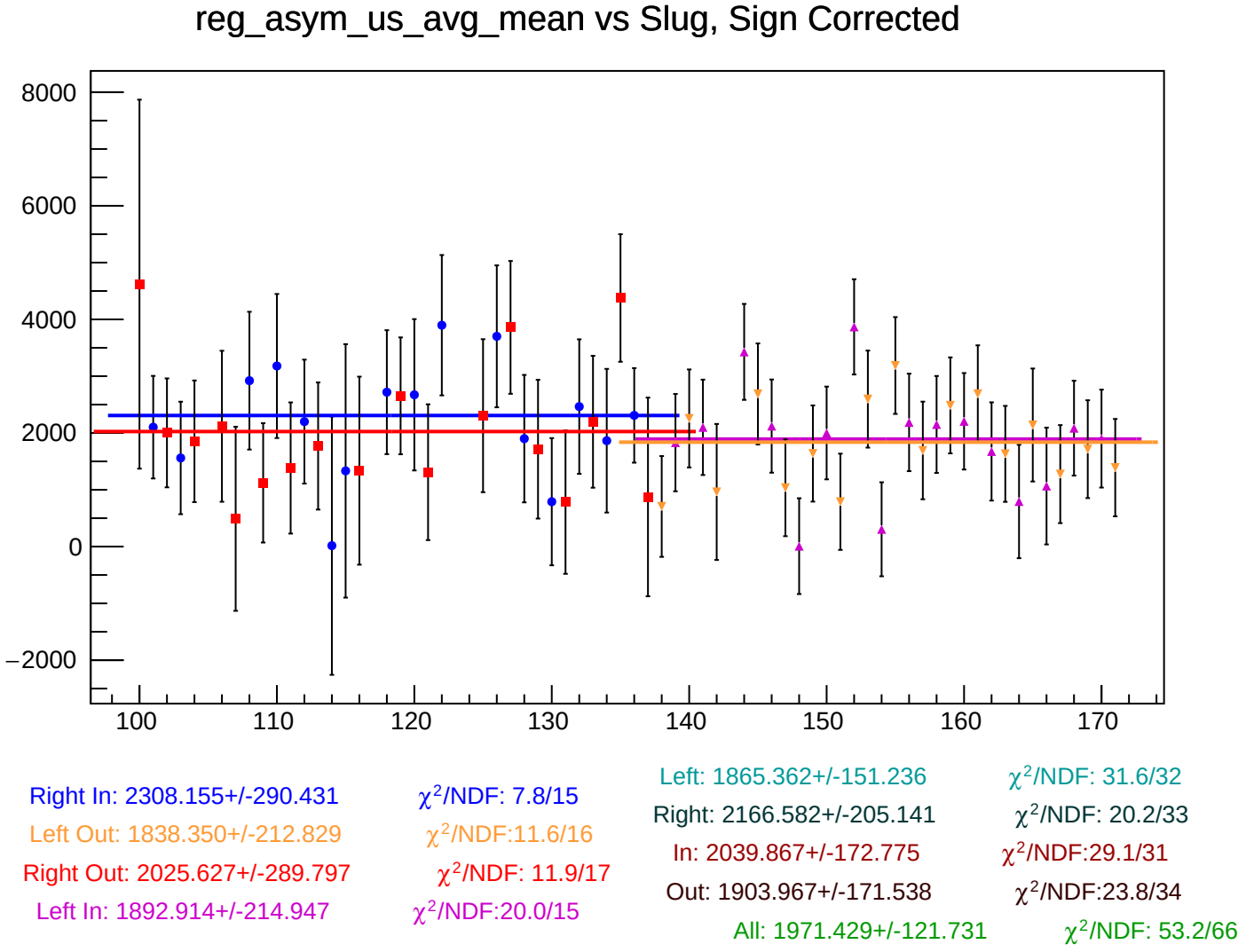
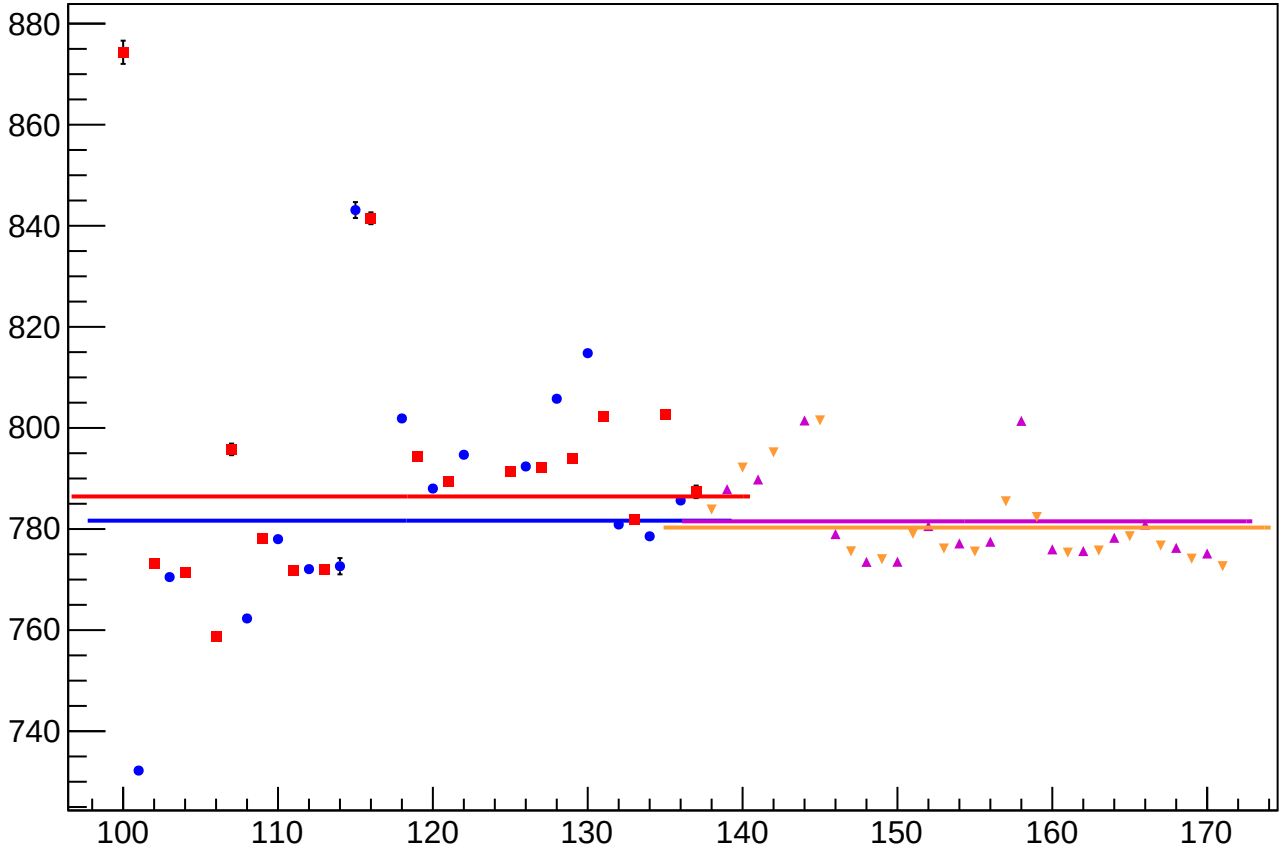

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2308.155+/-290.431
χ²/NDF: 7.8/15
Left Out: 1838.350+/-212.829
χ²/NDF:11.6/16
Right Out: 2025.627+/-289.797
χ²/NDF: 11.9/17
Left In: 1892.914+/-214.947
χ²/NDF:20.0/15
Left: 1865.362+/-151.236
χ²/NDF: 31.6/32
Right: 2166.582+/-205.141
χ²/NDF: 20.2/33
In: 2039.867+/-172.775
χ²/NDF:29.1/31
Out: 1903.967+/-171.538
χ²/NDF:23.8/34
All: 1971.429+/-121.731
χ²/NDF: 53.2/66

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: 781.527+/-0.152 χ^2/NDF:3388.3/15

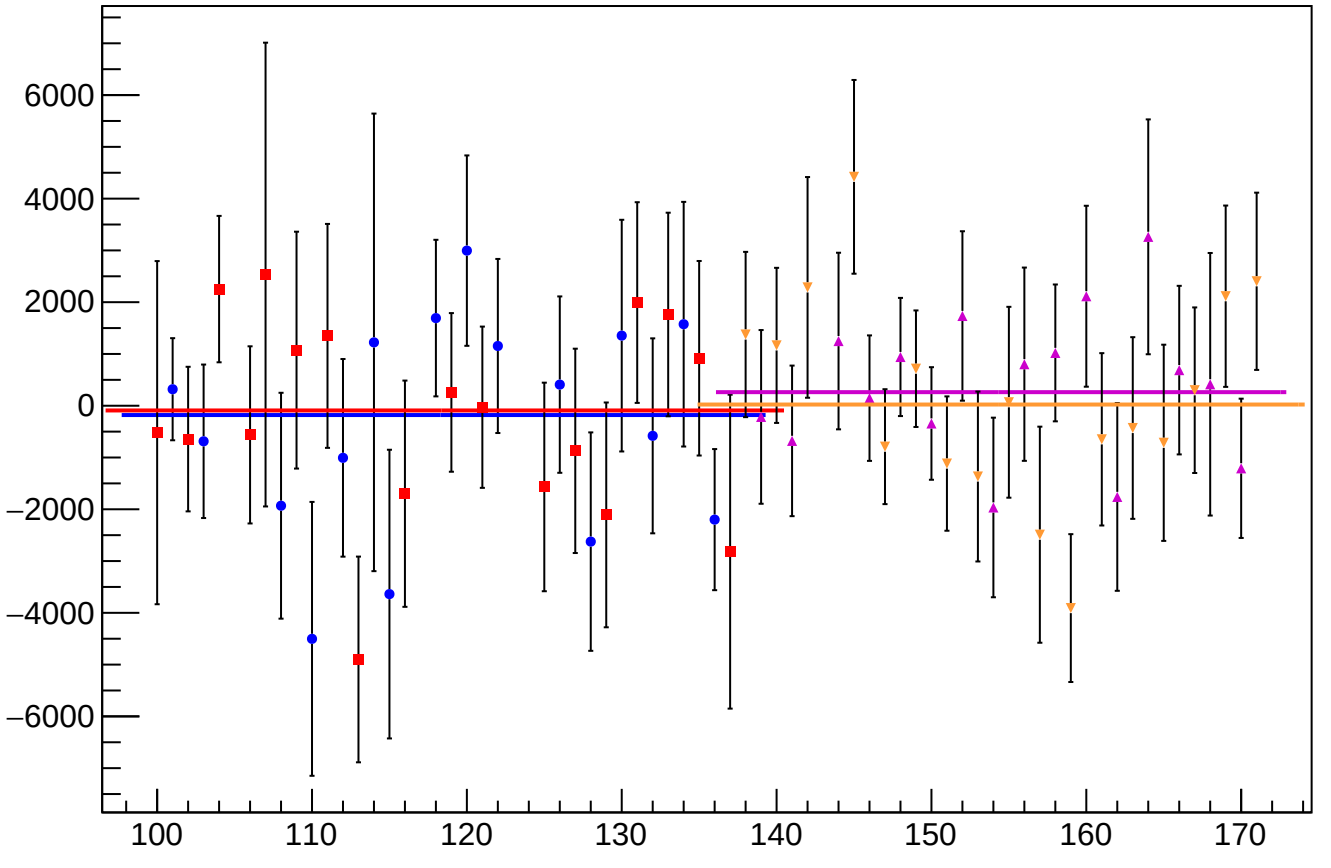
Left: 780.904+/-0.107 χ^2/NDF: 6073.4/32

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

In: 781.572+/-0.122 χ^2/NDF:15707.6/31

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

All: 782.013+/-0.086 χ^2/NDF: 26172.1/66



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: 262.172+/-379.486 χ^2/NDF:9.8/15

Left: 142.646+/-268.294 χ^2/NDF: 33.1/32

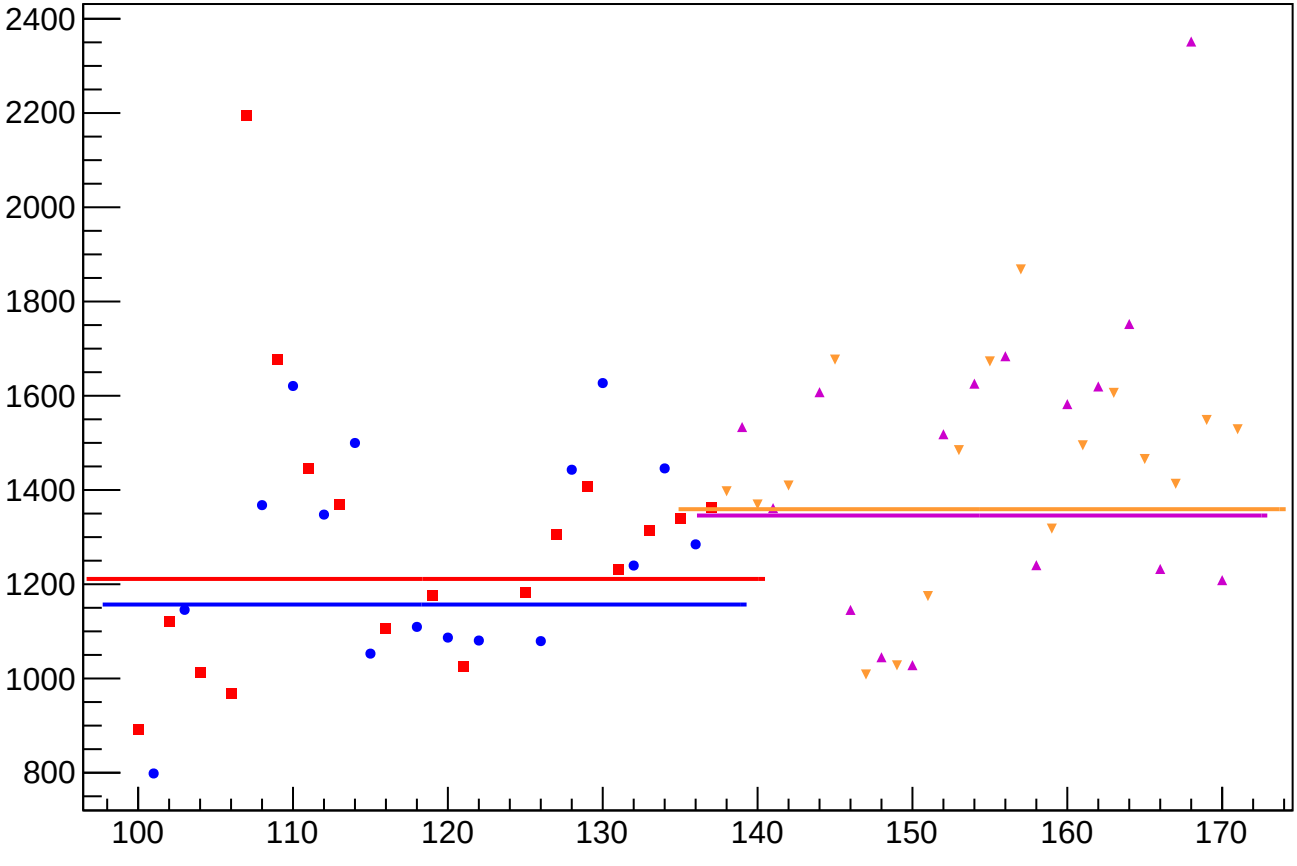
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 73.970+/-287.585 χ^2/NDF:25.7/31

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

All: 25.728+/-204.662 χ^2/NDF: 64.2/66

asym_us_avg_reg_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: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

Left: 1352.574+/-0.190 χ^2/NDF: 1850332.6/32

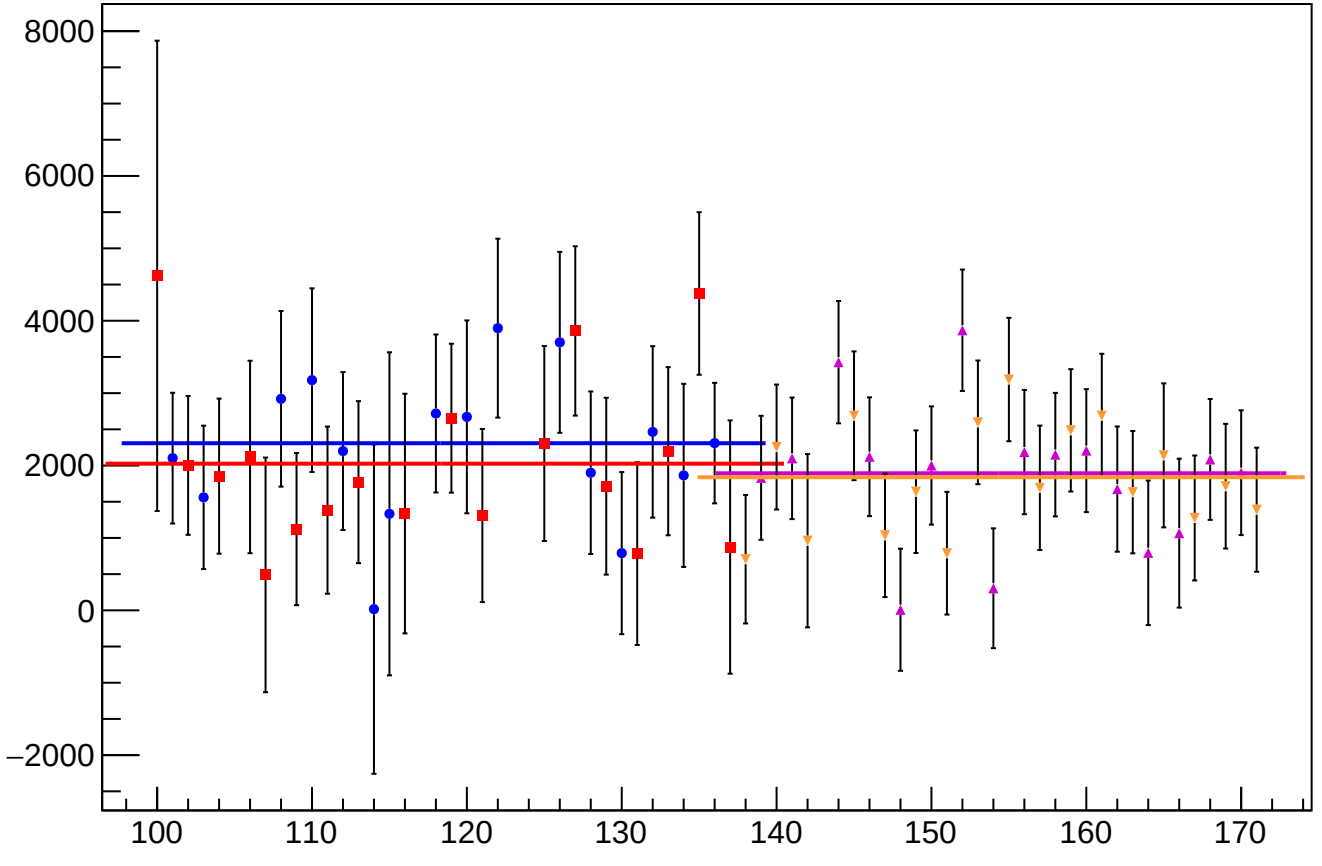
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1265.436+/-0.203 χ^2/NDF:1861017.0/31

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

All: 1281.783+/-0.145 χ^2/NDF: 3164915.2/66

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: 1892.914+/-214.947 χ^2/NDF:20.0/15

Left: 1865.362+/-151.236 χ^2/NDF: 31.6/32

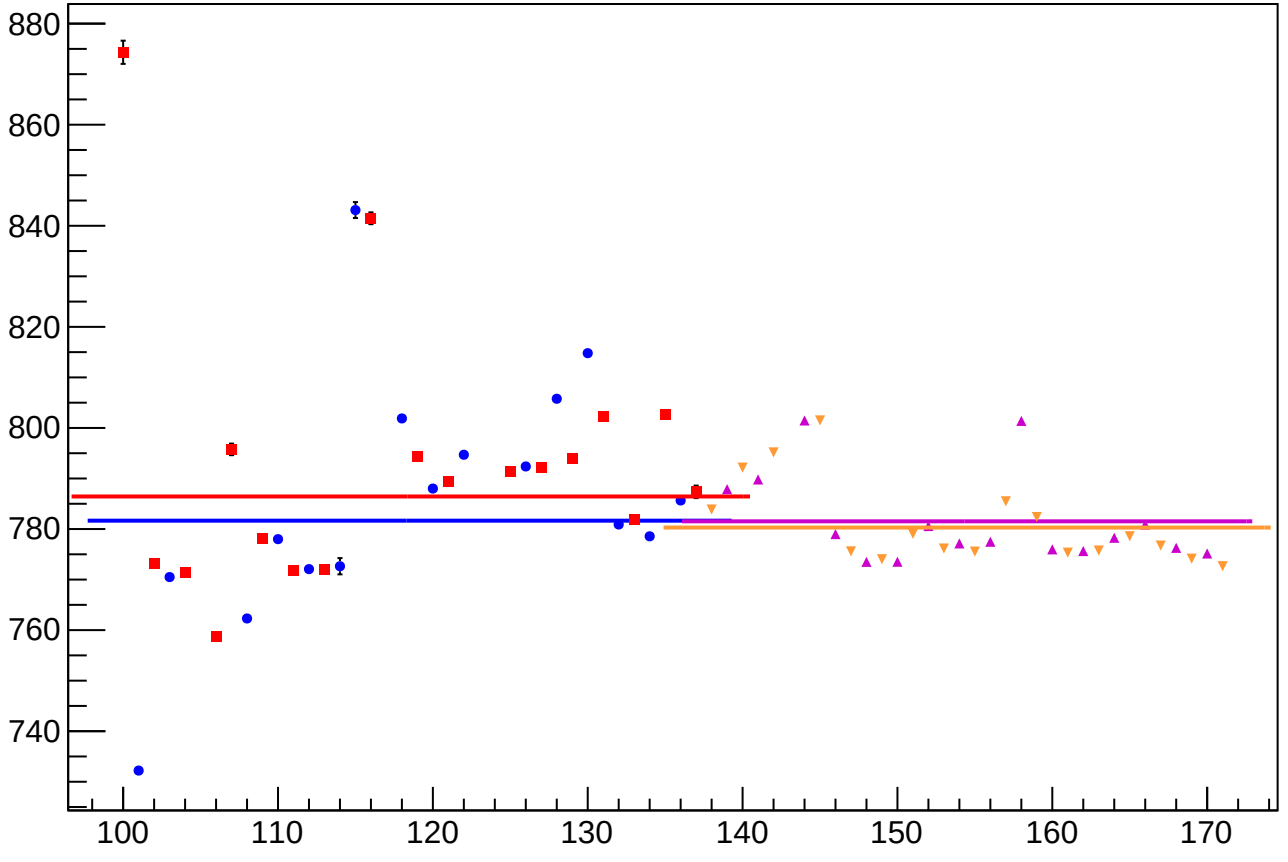
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2039.867+/-172.775 χ^2/NDF:29.1/31

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

All: 1971.429+/-121.731 χ^2/NDF: 53.2/66

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: 781.527+/-0.152 χ^2/NDF:3388.3/15

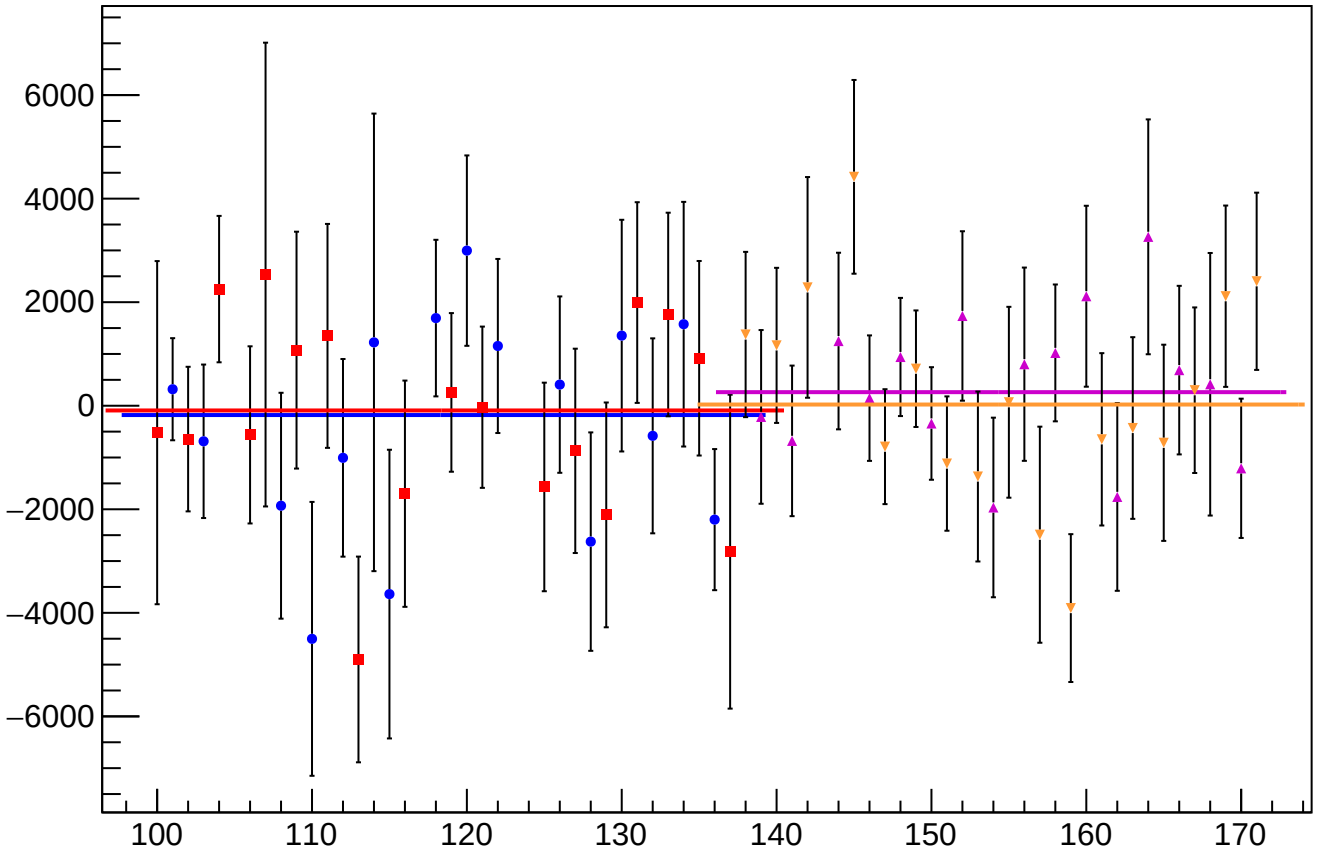
Left: 780.904+/-0.107 χ^2/NDF: 6073.4/32

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

In: 781.572+/-0.122 χ^2/NDF:15707.6/31

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

All: 782.013+/-0.086 χ^2/NDF: 26172.1/66



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: 262.172+/-379.486 χ^2/NDF:9.8/15

Left: 142.646+/-268.294 χ^2/NDF: 33.1/32

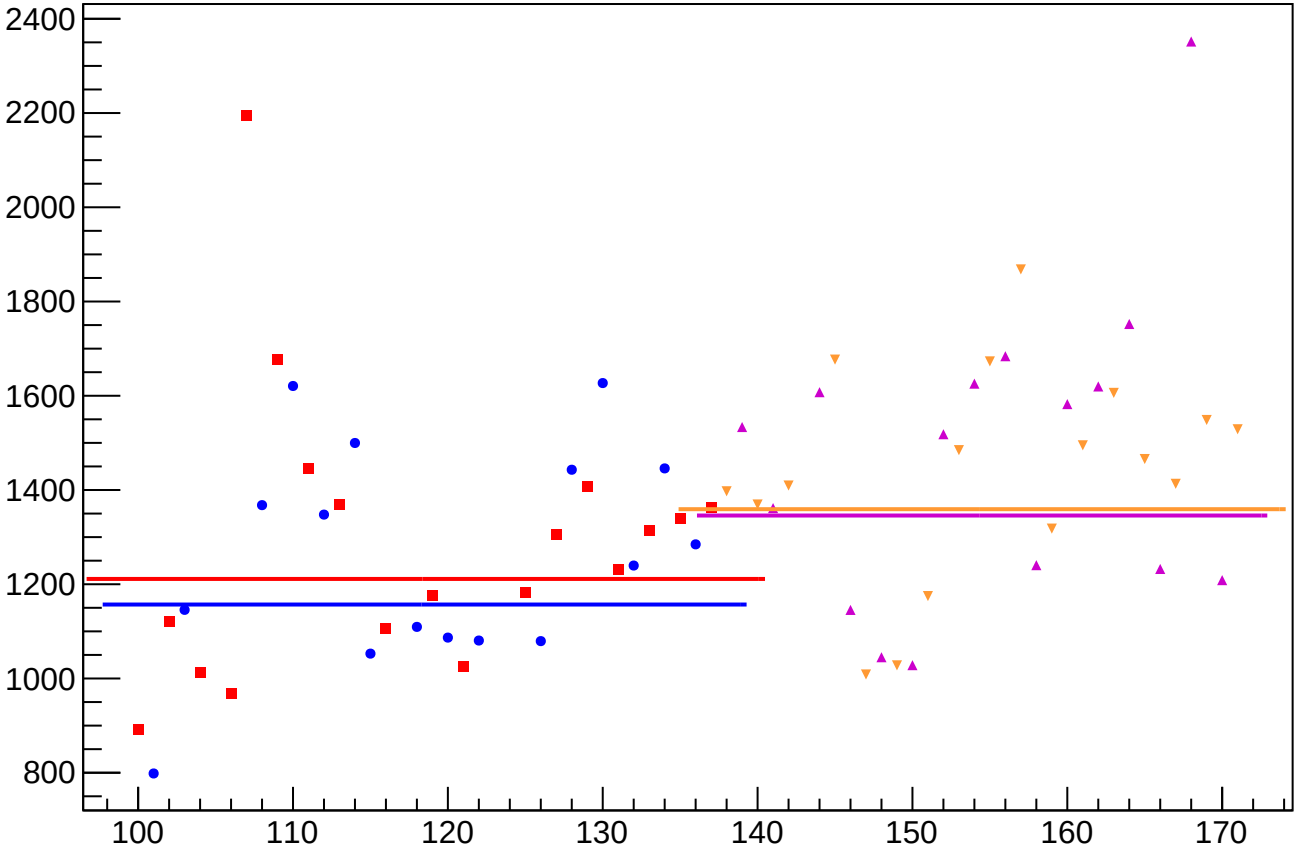
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: 73.970+/-287.585 χ^2/NDF:25.7/31

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

All: 25.728+/-204.662 χ^2/NDF: 64.2/66

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: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

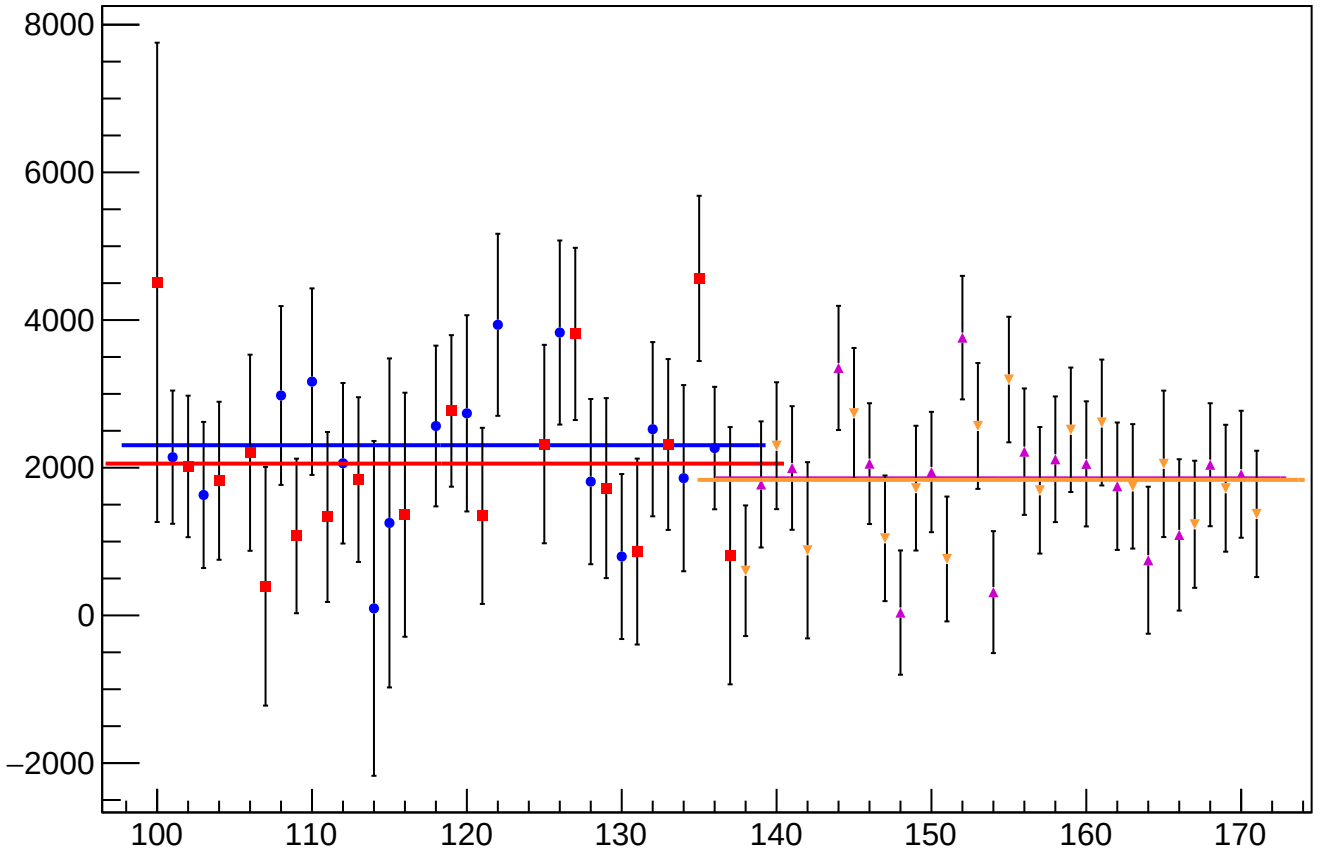
Left: 1352.574+/-0.190 χ^2/NDF: 1850332.6/32

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

In: 1265.436+/-0.203 χ^2/NDF:1861017.0/31

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

All: 1281.783+/-0.145 χ^2/NDF: 3164915.2/66



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

Left Out: 1835.738+/-212.272 χ^2/NDF:12.0/16

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

Left In: 1856.180+/-214.387 χ^2/NDF:18.8/15

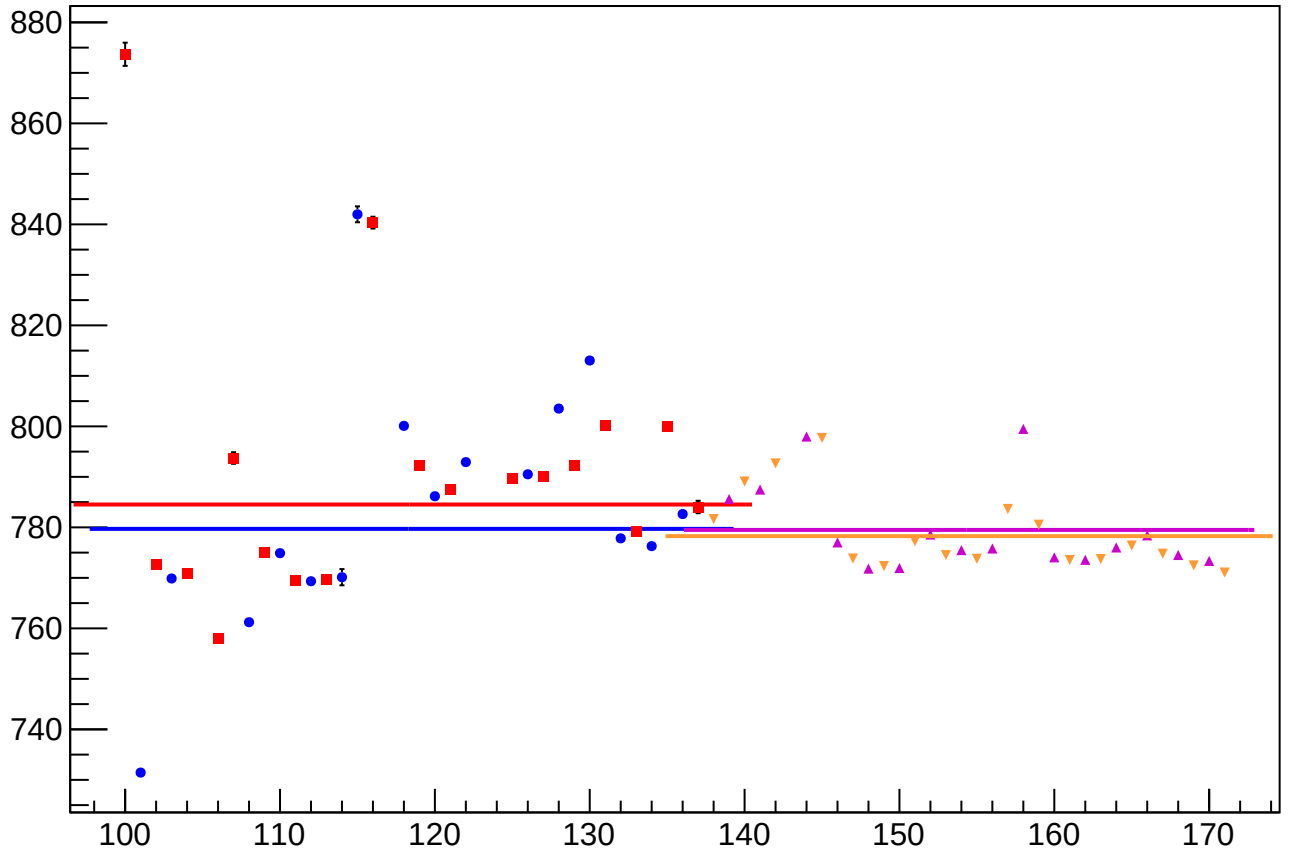
Left: 1845.858+/-150.841 χ^2/NDF: 30.8/32

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

In: 2014.944+/-172.331 χ^2/NDF:28.4/31

Out: 1912.778+/-171.100 χ^2/NDF:25.3/34

All: 1963.495+/-121.419 χ^2/NDF: 53.9/66



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: 779.495+/-0.152 χ^2/NDF:3174.1/15

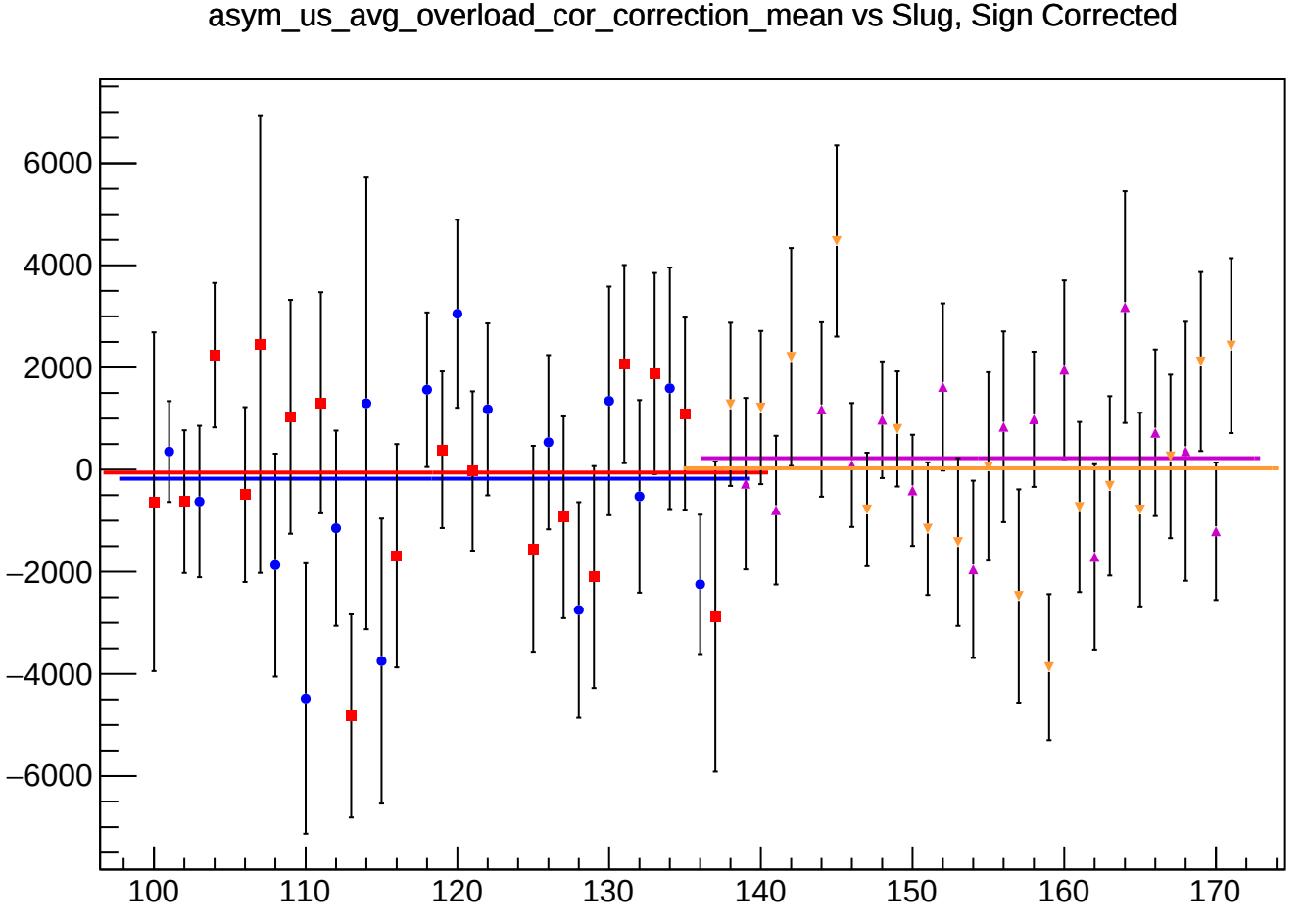
Left: 778.873+/-0.107 χ^2/NDF: 5546.4/32

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

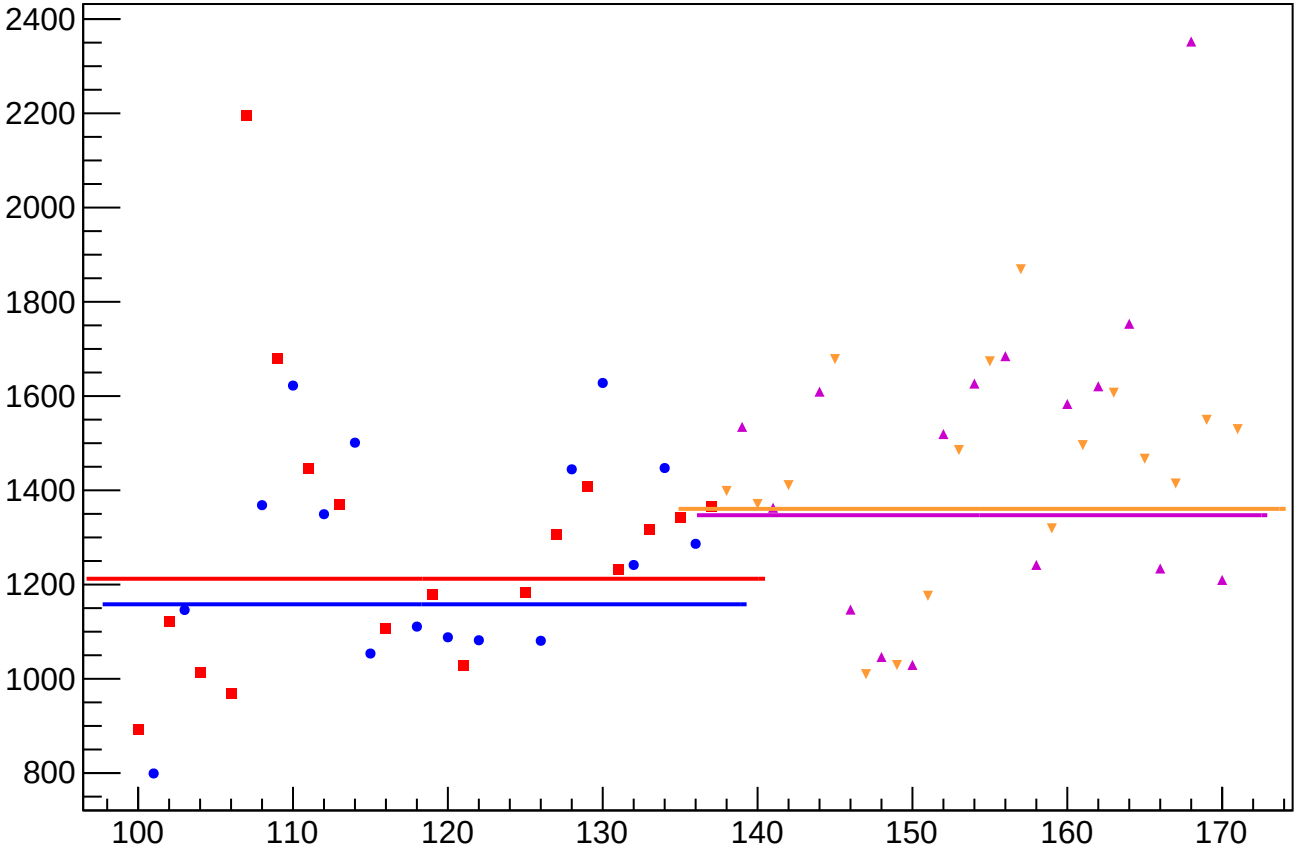
In: 779.569+/-0.122 χ^2/NDF:15234.9/31

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

All: 780.016+/-0.086 χ^2/NDF: 25370.2/66


asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: 25.071+/-379.715 χ²/NDF:23.2/16
Right Out: -58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 224.427+/-379.839 χ²/NDF:9.5/15
Left: 124.716+/-268.543 χ²/NDF: 32.8/32
Right: -120.128+/-316.821 χ²/NDF: 31.0/33
In: 52.935+/-287.862 χ²/NDF:25.6/31
Out: -9.030+/-291.589 χ²/NDF:38.5/34
All: 22.351+/-204.854 χ²/NDF: 64.2/66

asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected



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

Left Out: 1360.629+/-0.268 χ^2/NDF:765997.2/16

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

Left In: 1347.179+/-0.269 χ^2/NDF:1078525.7/15

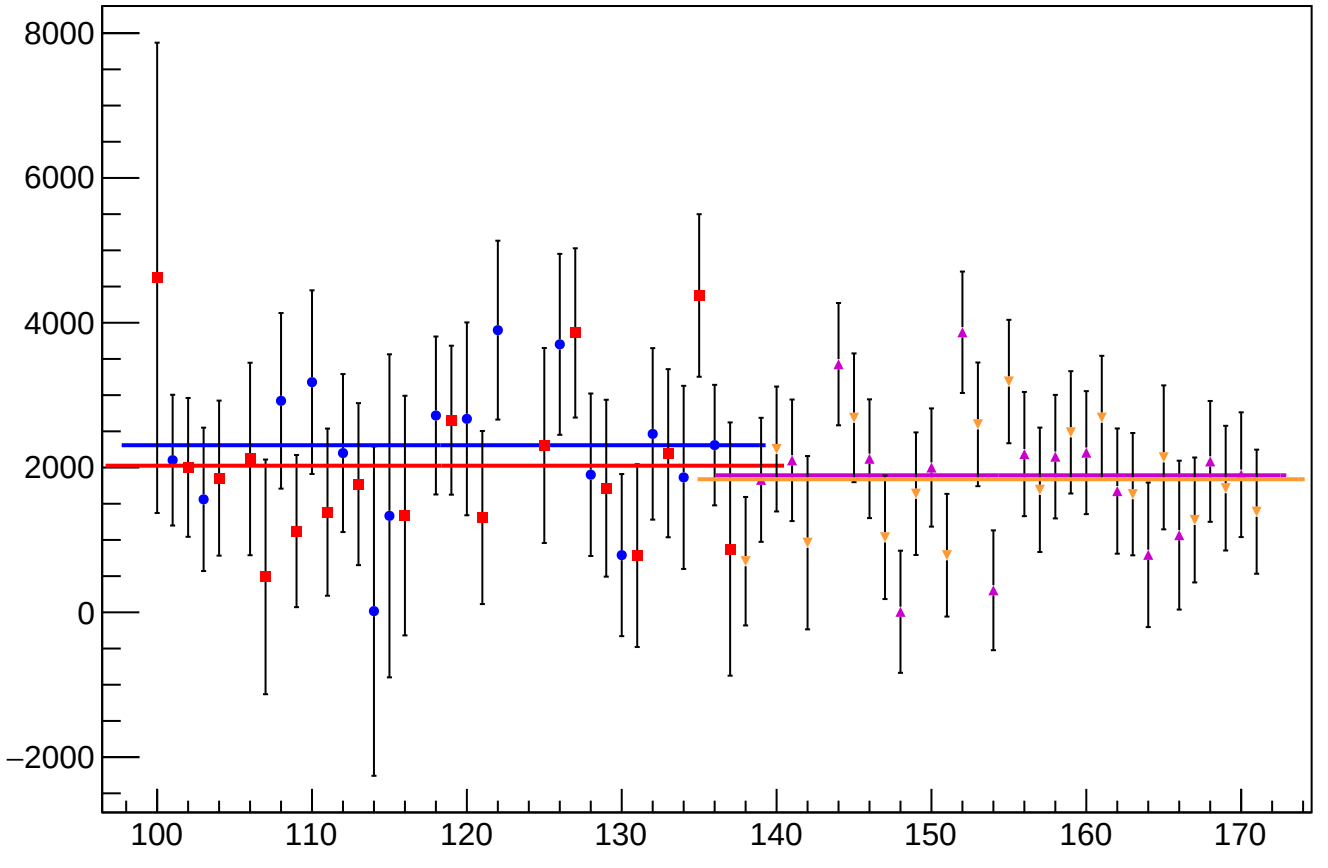
Left: 1353.906+/-0.190 χ^2/NDF: 1845777.0/32

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

In: 1266.710+/-0.204 χ^2/NDF:1858546.0/31

Out: 1299.788+/-0.206 χ^2/NDF:1289076.3/34

All: 1283.036+/-0.145 χ^2/NDF: 3160656.4/66



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: 1892.914+/-214.947 χ^2/NDF:20.0/15

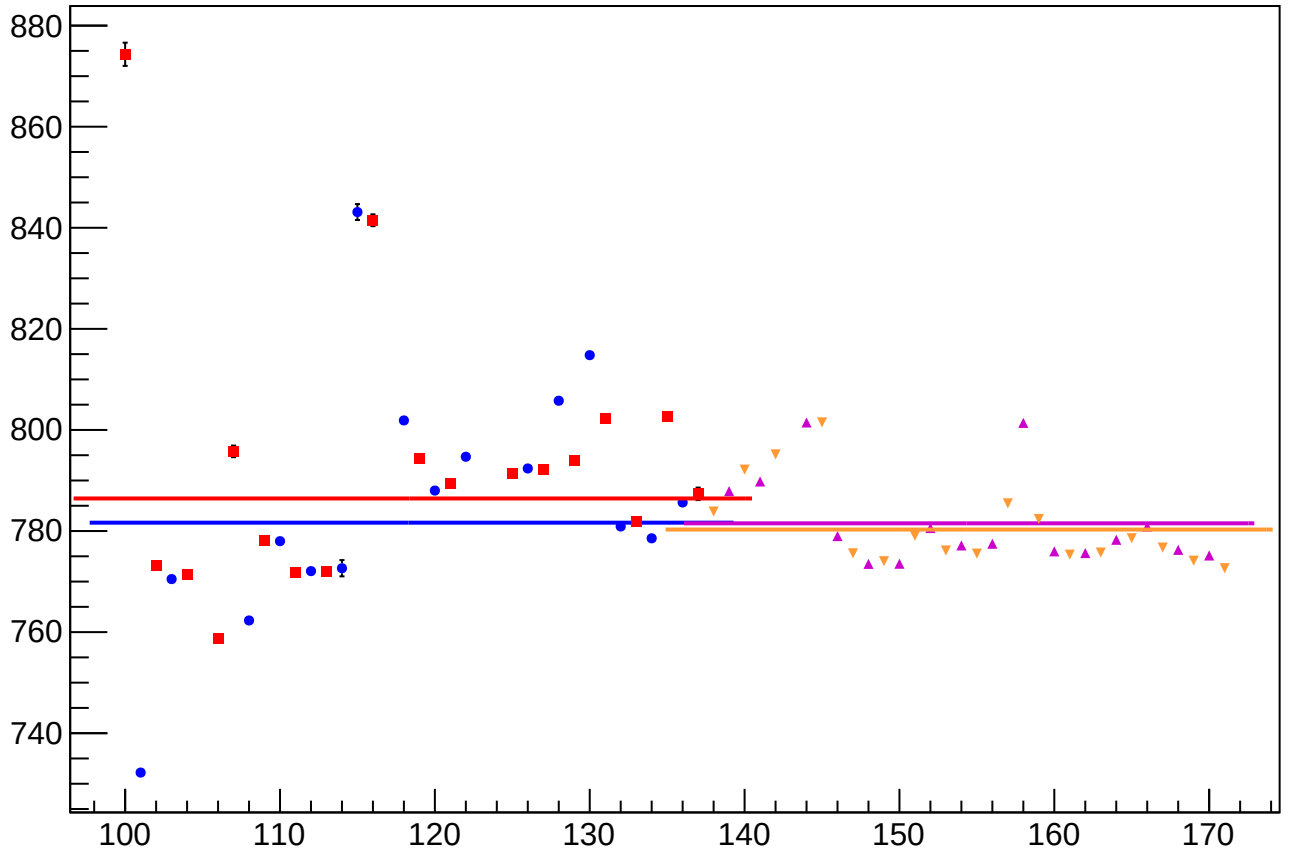
Left: 1865.362+/-151.236 χ^2/NDF: 31.6/32

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

In: 2039.867+/-172.775 χ^2/NDF:29.1/31

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

All: 1971.429+/-121.731 χ^2/NDF: 53.2/66



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: 781.527+/-0.152 χ^2/NDF:3388.3/15

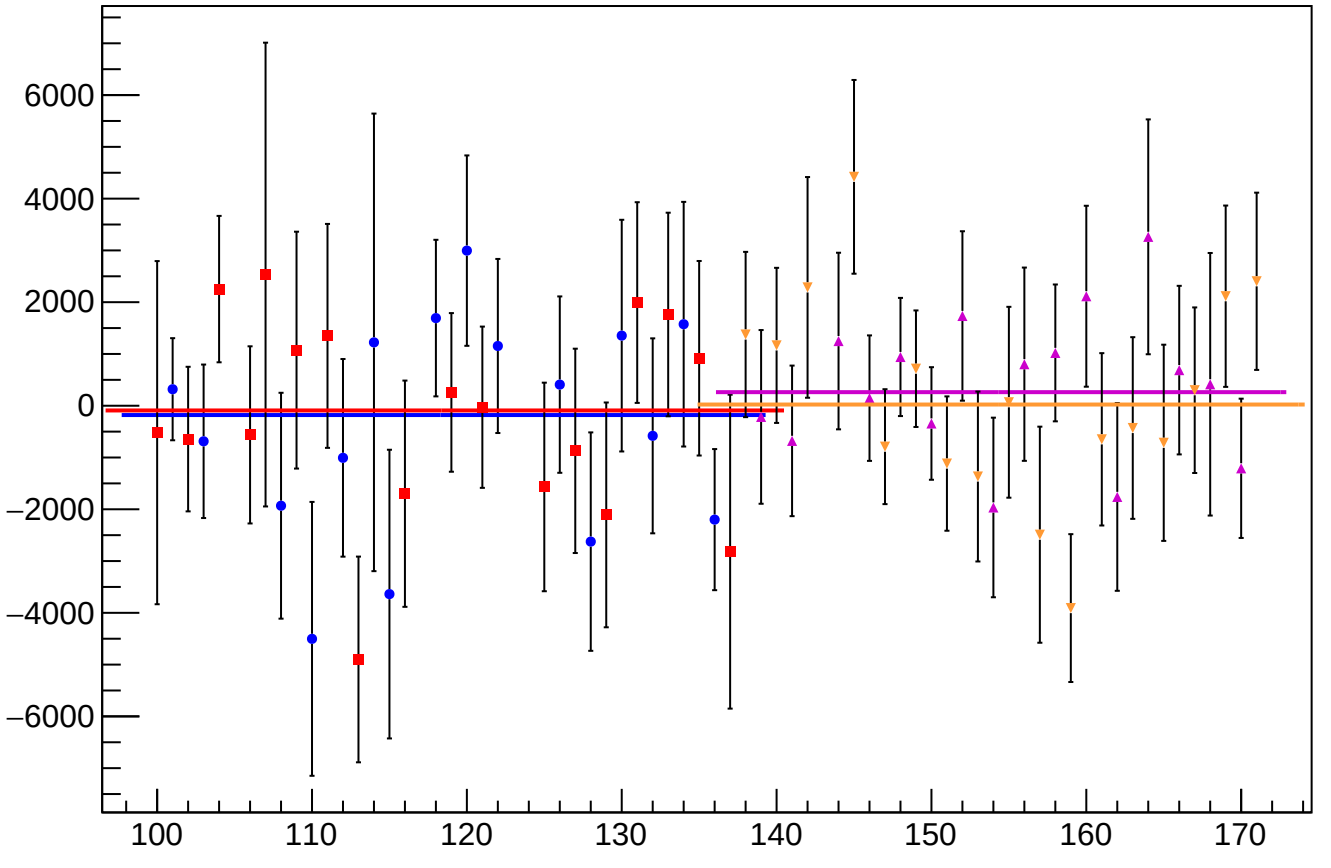
Left: 780.904+/-0.107 χ^2/NDF: 6073.4/32

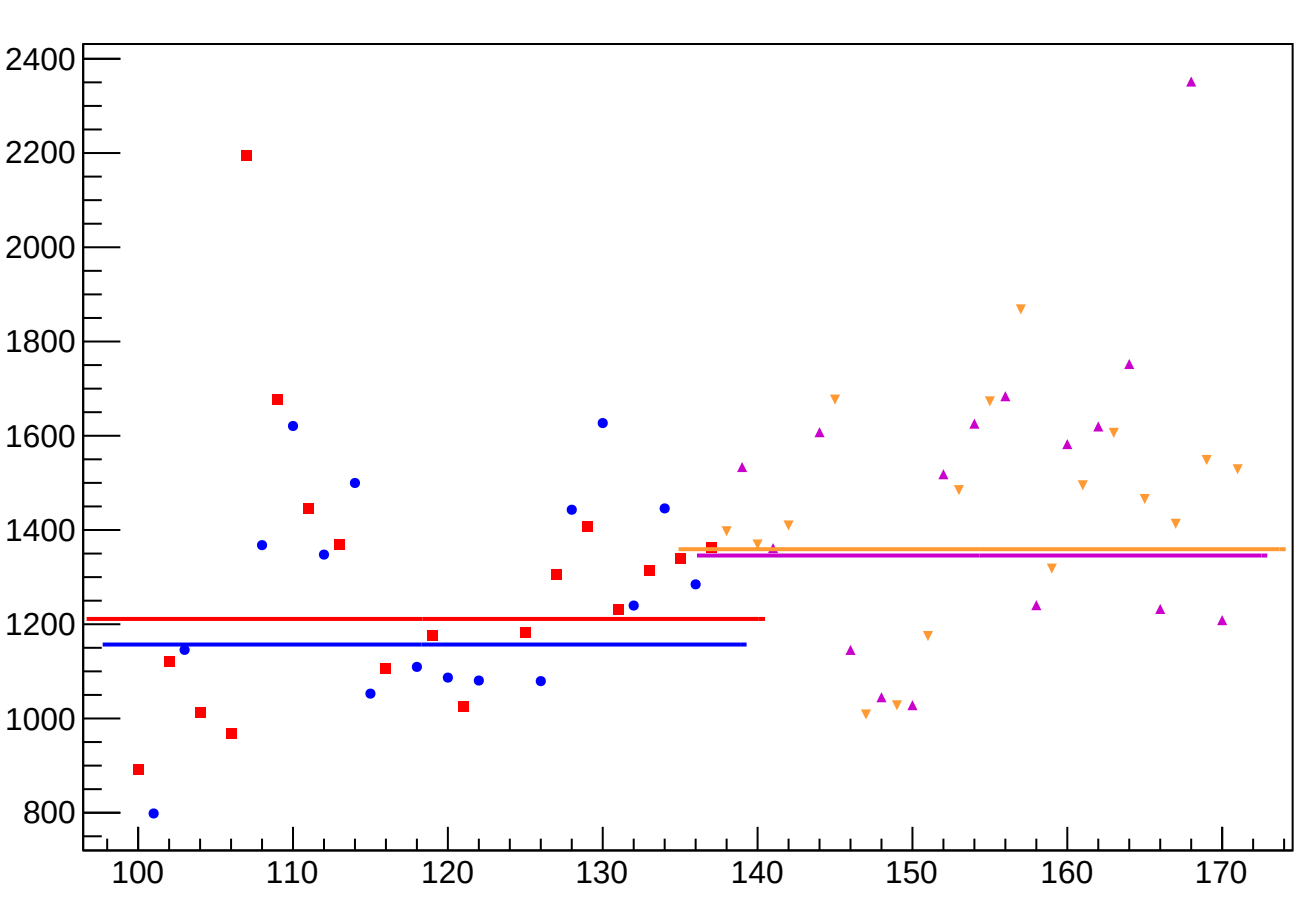
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 781.572+/-0.122 χ^2/NDF:15707.6/31

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

All: 782.013+/-0.086 χ^2/NDF: 26172.1/66


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: 23.196+/-379.365 χ²/NDF:23.2/16
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 262.172+/-379.486 χ²/NDF:9.8/15
Left: 142.646+/-268.294 χ²/NDF: 33.1/32
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: 73.970+/-287.585 χ²/NDF:25.7/31
Out: -23.776+/-291.324 χ²/NDF:38.4/34
All: 25.728+/-204.662 χ²/NDF: 64.2/66



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: 1345.853+/-0.268 χ^2/NDF:1080924.1/15

Left: 1352.574+/-0.190 χ^2/NDF: 1850332.6/32

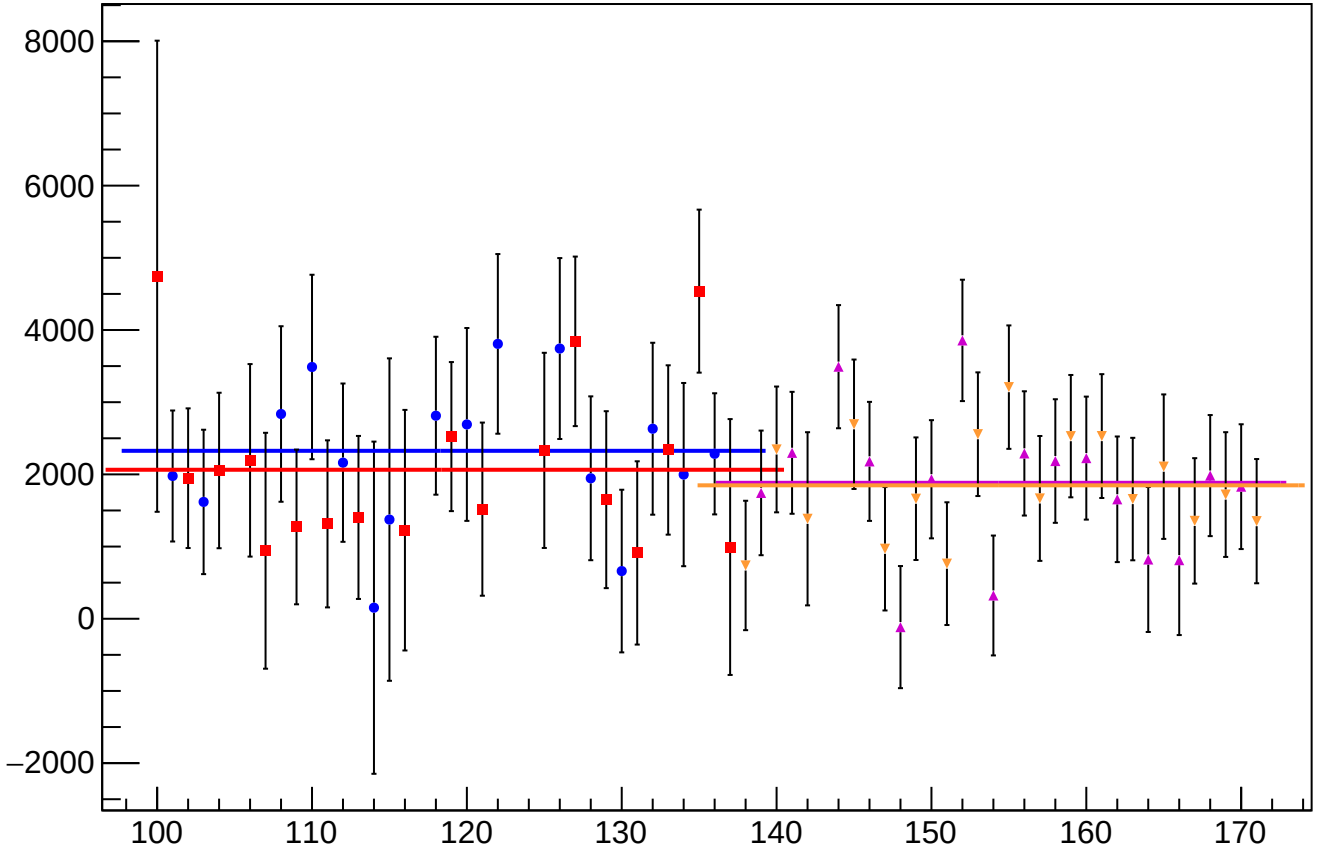
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1265.436+/-0.203 χ^2/NDF:1861017.0/31

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

All: 1281.783+/-0.145 χ^2/NDF: 3164915.2/66

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: 1883.298+/-215.971 χ^2/NDF:21.4/15

Left: 1865.677+/-151.964 χ^2/NDF: 32.3/32

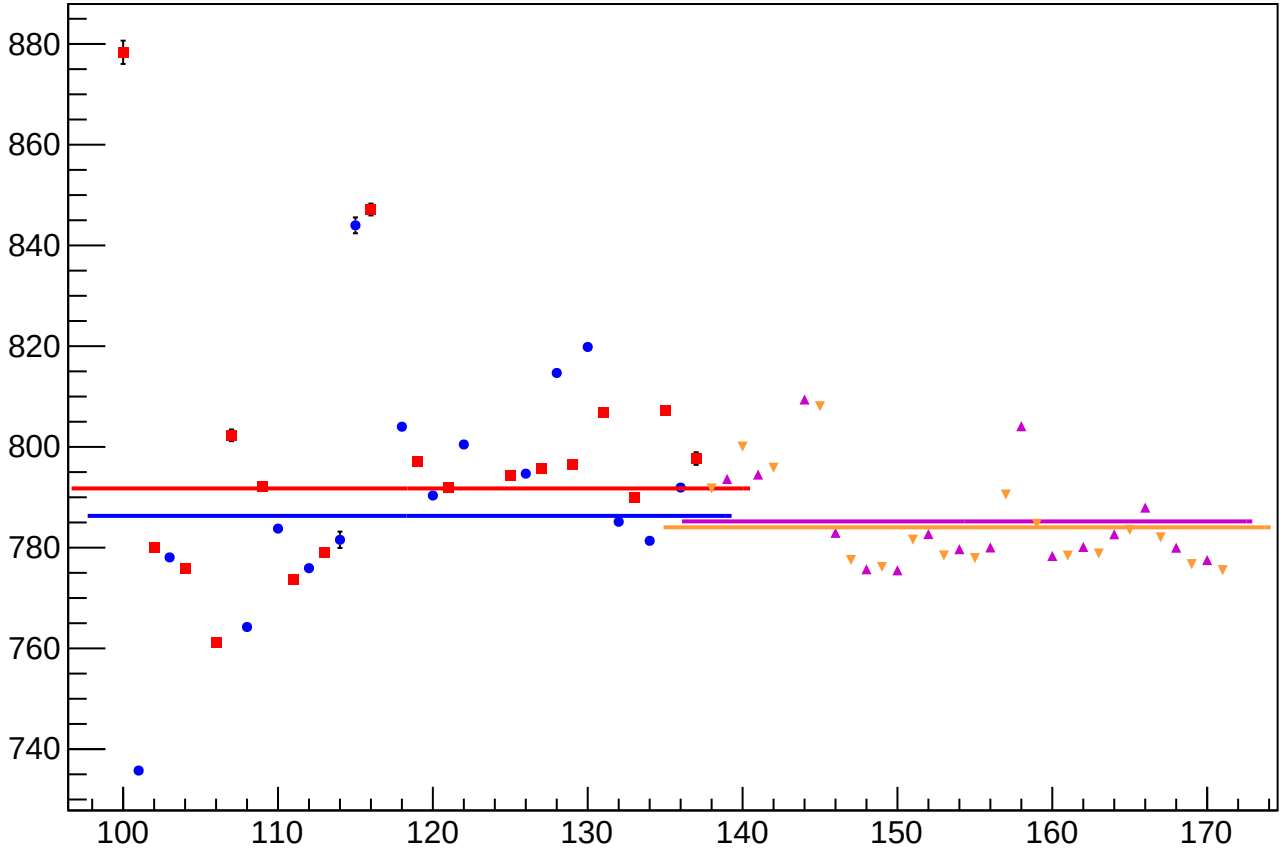
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2039.871+/-173.674 χ^2/NDF:31.0/31

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

All: 1981.407+/-122.387 χ^2/NDF: 54.2/66

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: 785.213+/-0.153 χ^2/NDF:4204.1/15

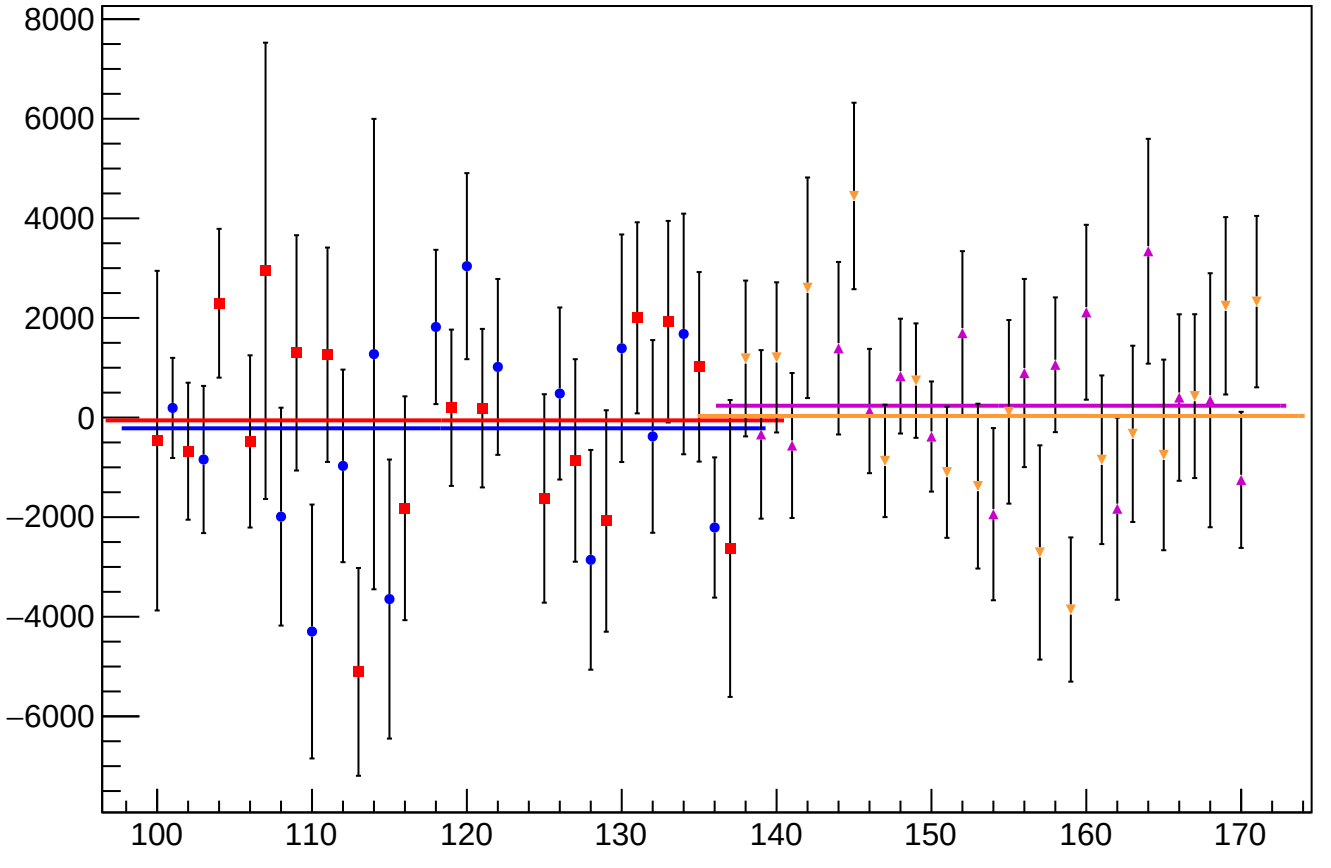
Left: 784.619+/-0.107 χ^2/NDF: 7805.5/32

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

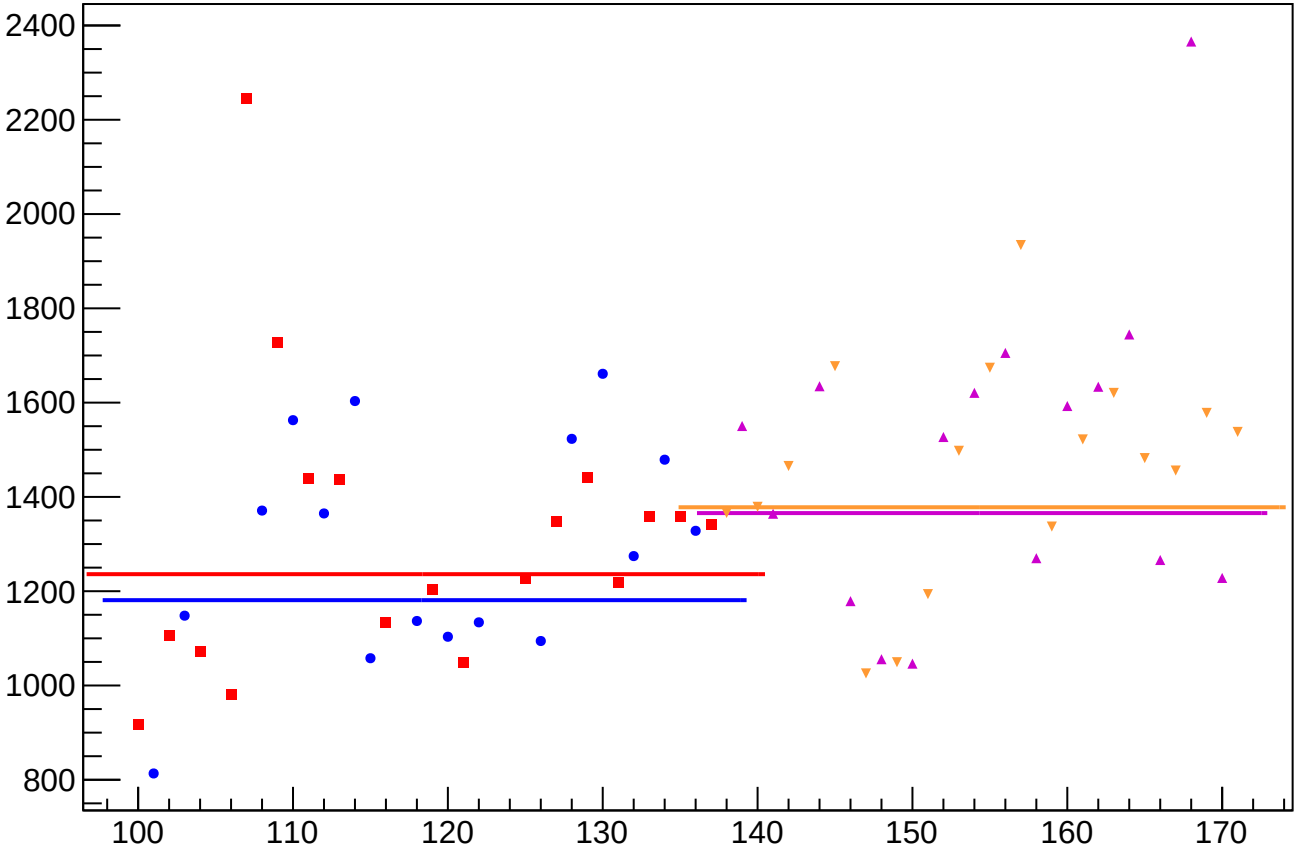
In: 785.601+/-0.123 χ^2/NDF:16793.4/31

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

All: 786.171+/-0.087 χ^2/NDF: 28333.6/66


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: 237.472+/-384.518 χ²/NDF:9.8/15
Left: 134.600+/-271.804 χ²/NDF: 33.2/32
Right: -139.003+/-322.855 χ²/NDF: 30.5/33
In: 45.795+/-292.204 χ²/NDF:25.7/31
Out: -4.200+/-295.945 χ²/NDF:38.4/34
All: 21.115+/-207.929 χ²/NDF: 64.1/66

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: 1365.697+/-0.272 χ^2/NDF:1033442.6/15

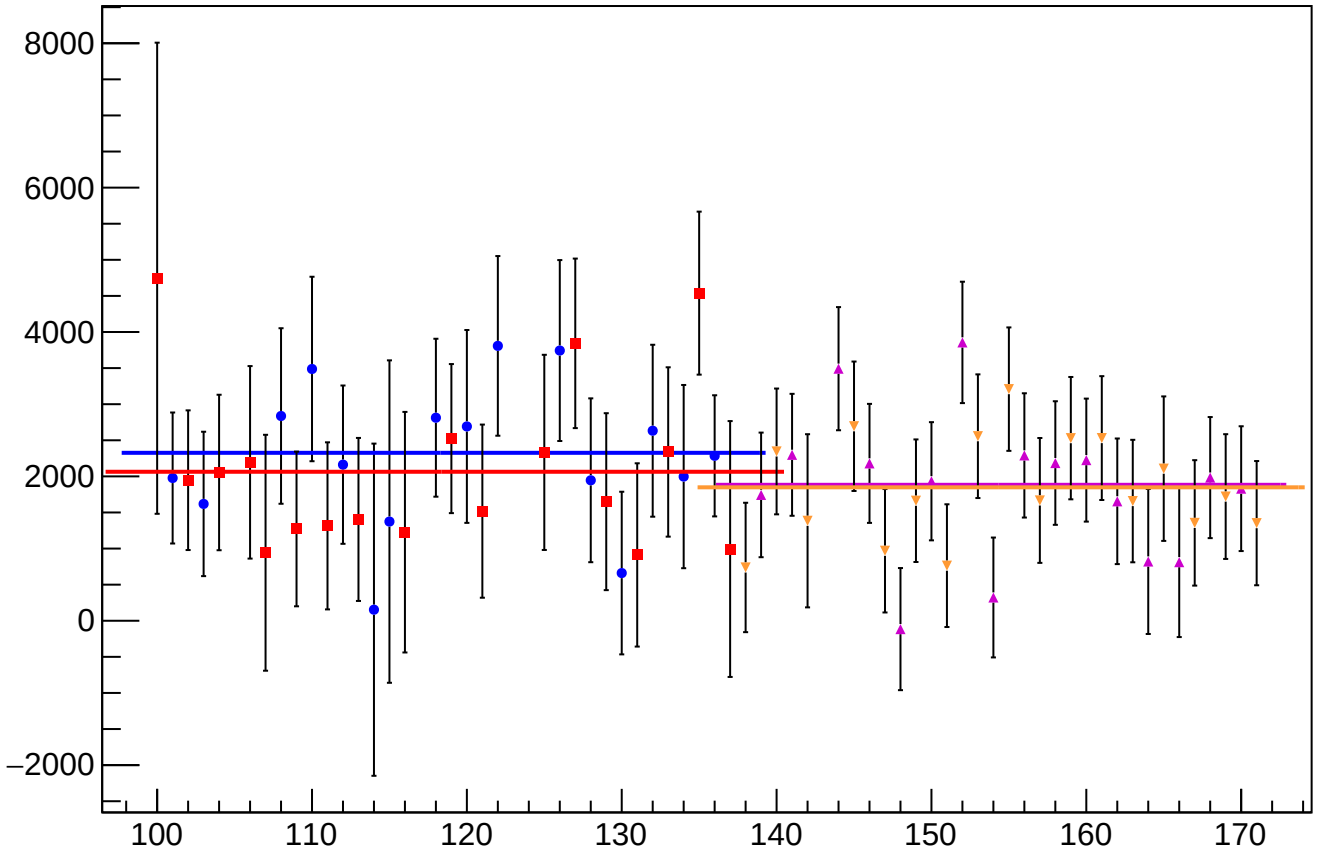
Left: 1371.885+/-0.192 χ^2/NDF: 1788971.2/32

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

In: 1287.658+/-0.207 χ^2/NDF:1799520.2/31

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

All: 1303.783+/-0.147 χ^2/NDF: 3074602.1/66



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: 1883.299+/-215.971 χ^2/NDF:21.4/15

Left: 1865.676+/-151.964 χ^2/NDF: 32.3/32

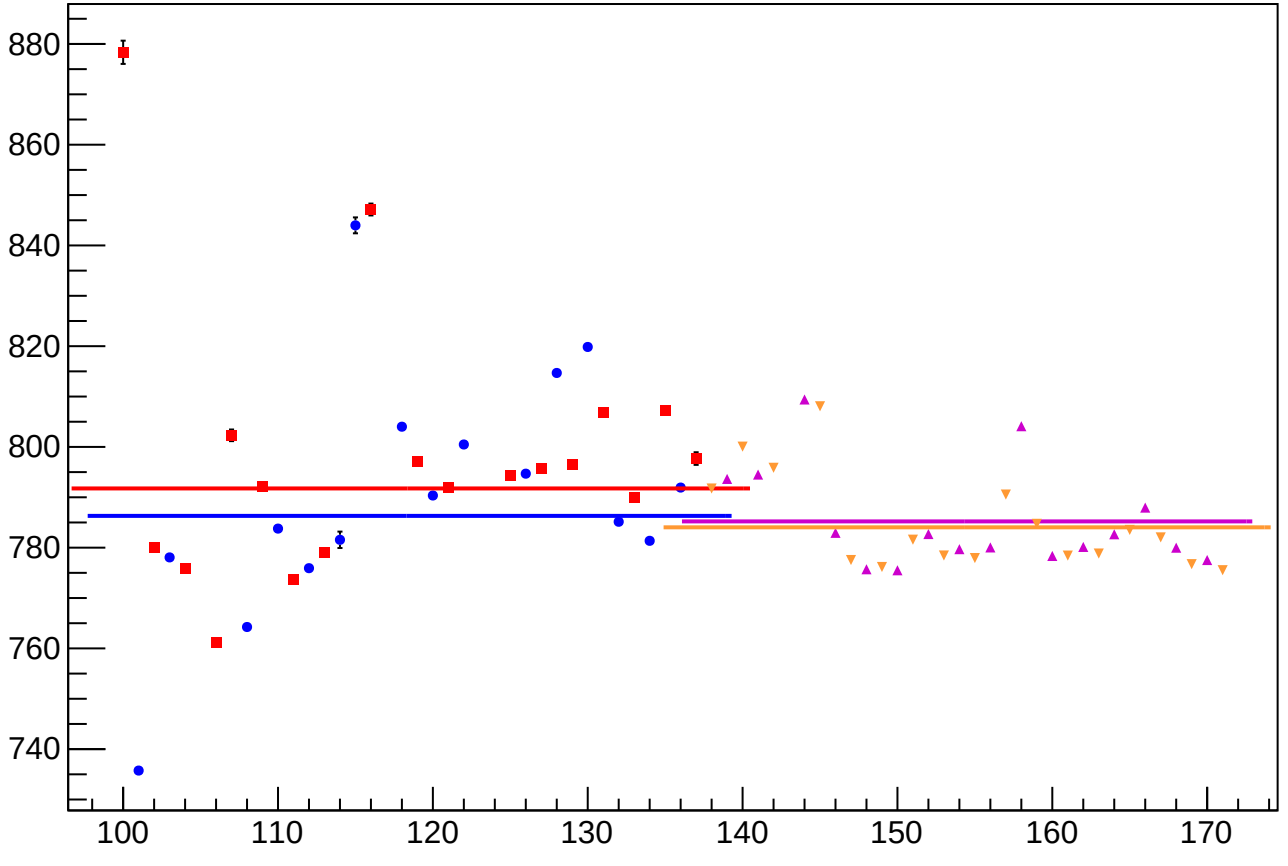
Right: 2195.029+/-206.463 χ^2/NDF: 20.2/33

In: 2039.872+/-173.674 χ^2/NDF:31.0/31

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

All: 1981.406+/-122.387 χ^2/NDF: 54.2/66

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: 785.213+/-0.153 χ^2/NDF:4204.1/15

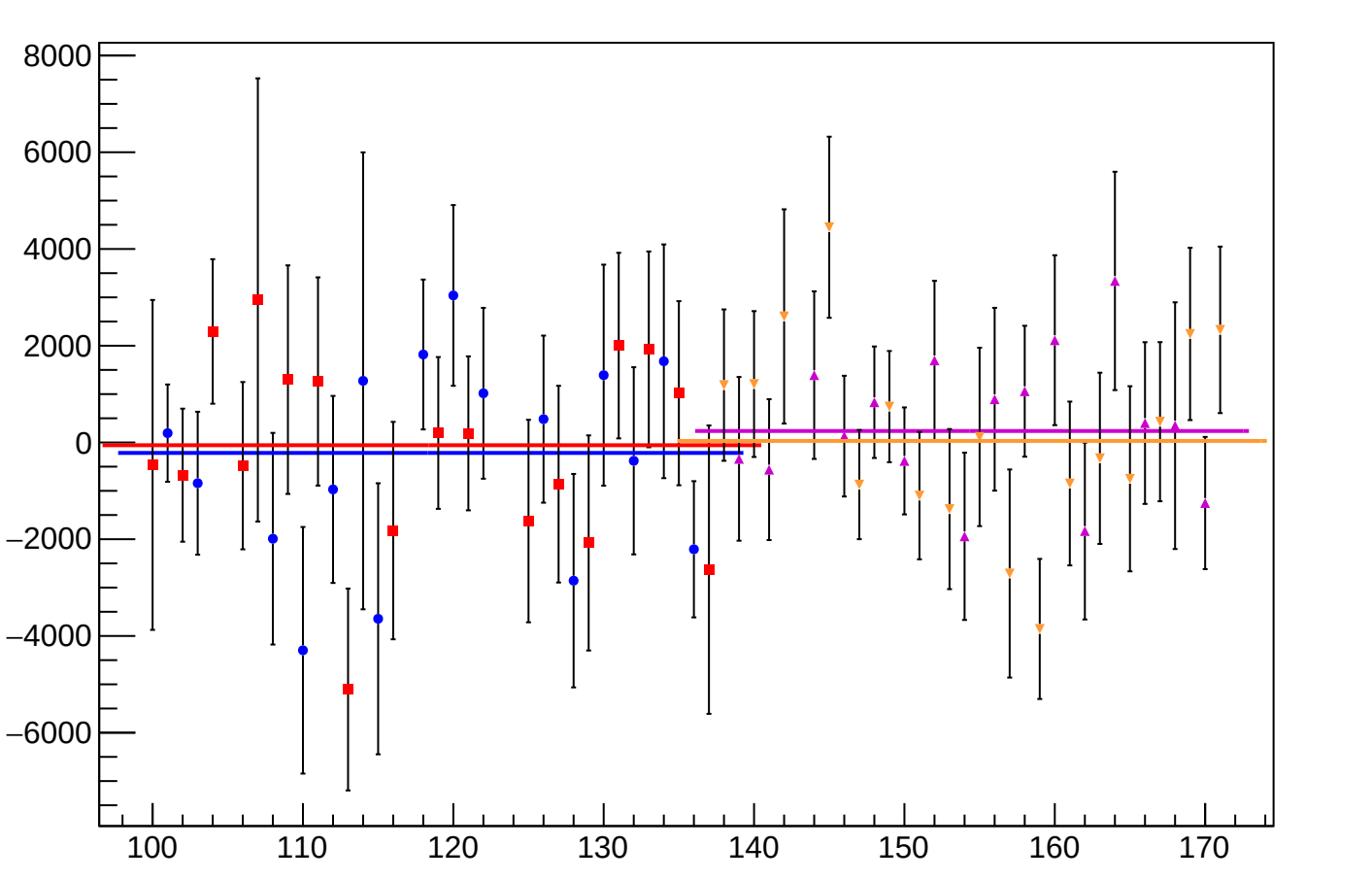
Left: 784.619+/-0.107 χ^2/NDF: 7805.5/32

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

In: 785.601+/-0.123 χ^2/NDF:16793.4/31

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

All: 786.171+/-0.087 χ^2/NDF: 28333.5/66



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: 237.473+/-384.519 χ^2/NDF:9.8/15

Left: 134.599+/-271.805 χ^2/NDF: 33.2/32

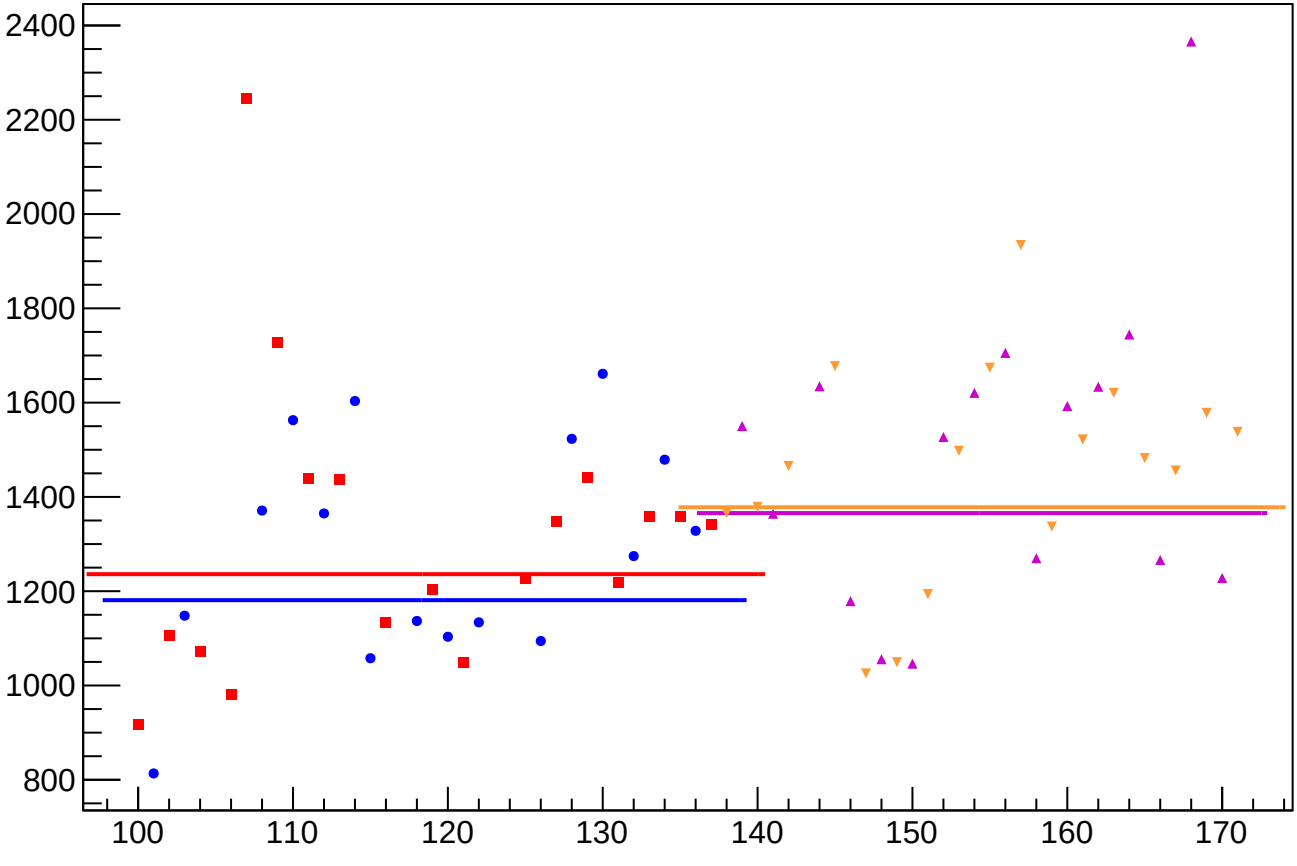
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: 45.795+/-292.204 χ^2/NDF:25.7/31

Out: -4.202+/-295.945 χ^2/NDF:38.4/34

All: 21.114+/-207.929 χ^2/NDF: 64.1/66

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: 1365.699+/-0.272 χ^2/NDF:1033443.4/15

Left: 1371.888+/-0.192 χ^2/NDF: 1788974.0/32

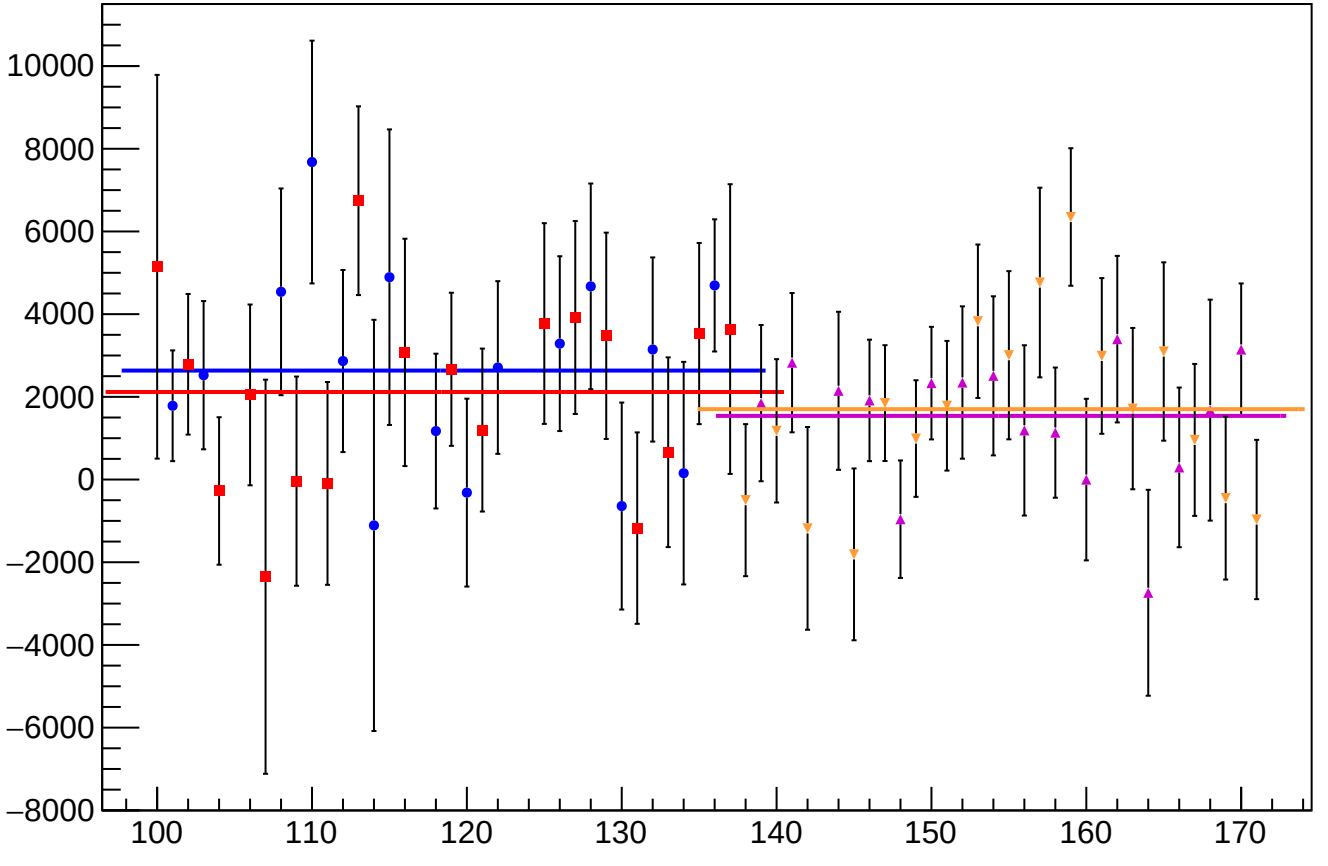
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1287.658+/-0.207 χ^2/NDF:1799530.7/31

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

All: 1303.782+/-0.147 χ^2/NDF: 3074622.5/66

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: 1539.645+/-443.786 χ^2/NDF:10.6/15

Left: 1621.227+/-313.263 χ^2/NDF: 32.2/32

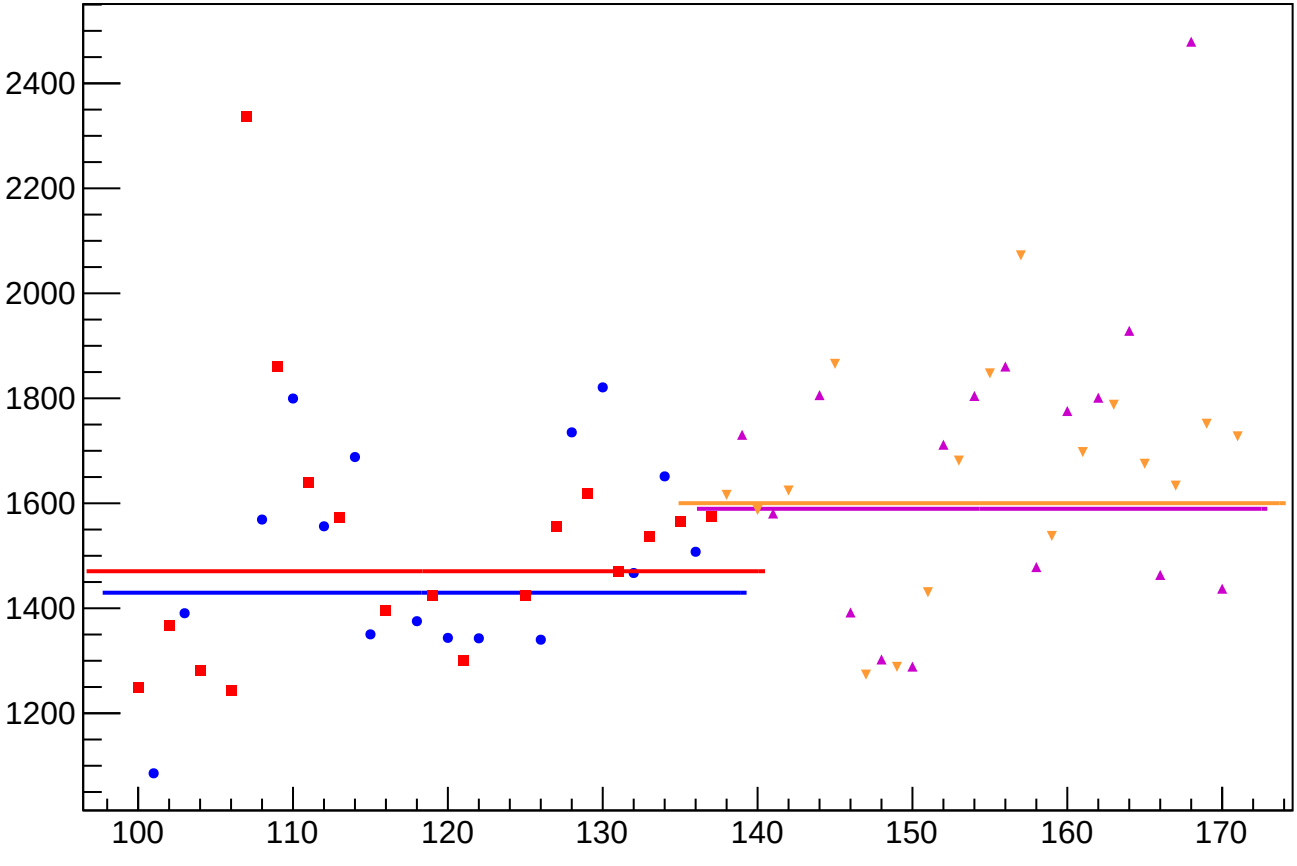
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 1983.297+/-342.354 χ^2/NDF:25.3/31

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

All: 1924.978+/-242.672 χ^2/NDF: 61.0/66

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: 1589.528+/-0.314 χ^2/NDF:656227.3/15

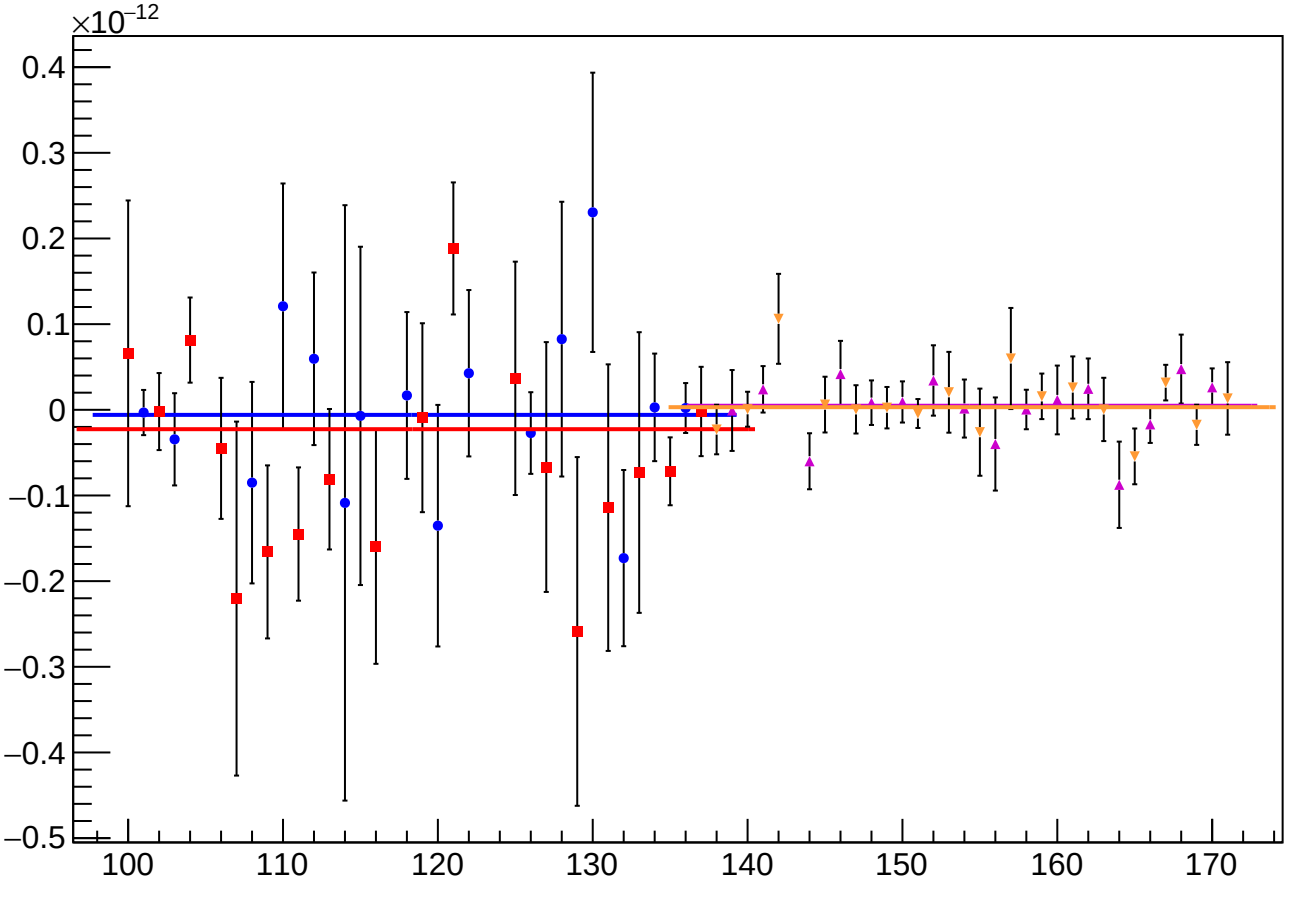
Left: 1594.889+/-0.222 χ^2/NDF: 1088255.1/32

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

In: 1524.798+/-0.242 χ^2/NDF:1054708.0/31

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

All: 1536.849+/-0.172 χ^2/NDF: 1777070.3/66



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:13.4/15

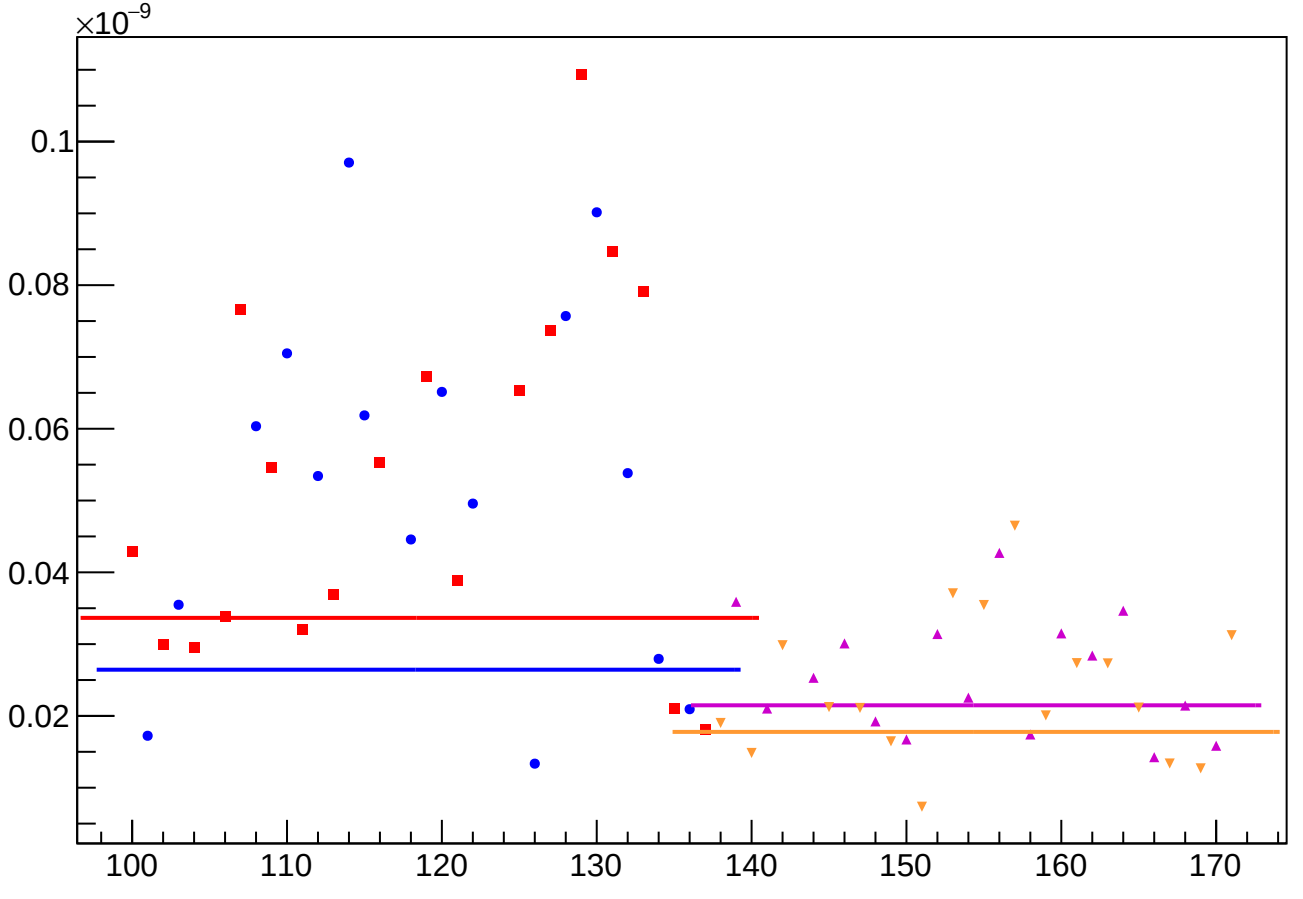
Left: 0.000+/-0.000 χ^2/NDF: 26.2/32

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

In: 0.000+/-0.000 χ^2/NDF:22.3/31

Out: -0.000+/-0.000 χ^2/NDF:37.6/34

All: 0.000+/-0.000 χ^2/NDF: 60.0/66



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:1583056.2/15

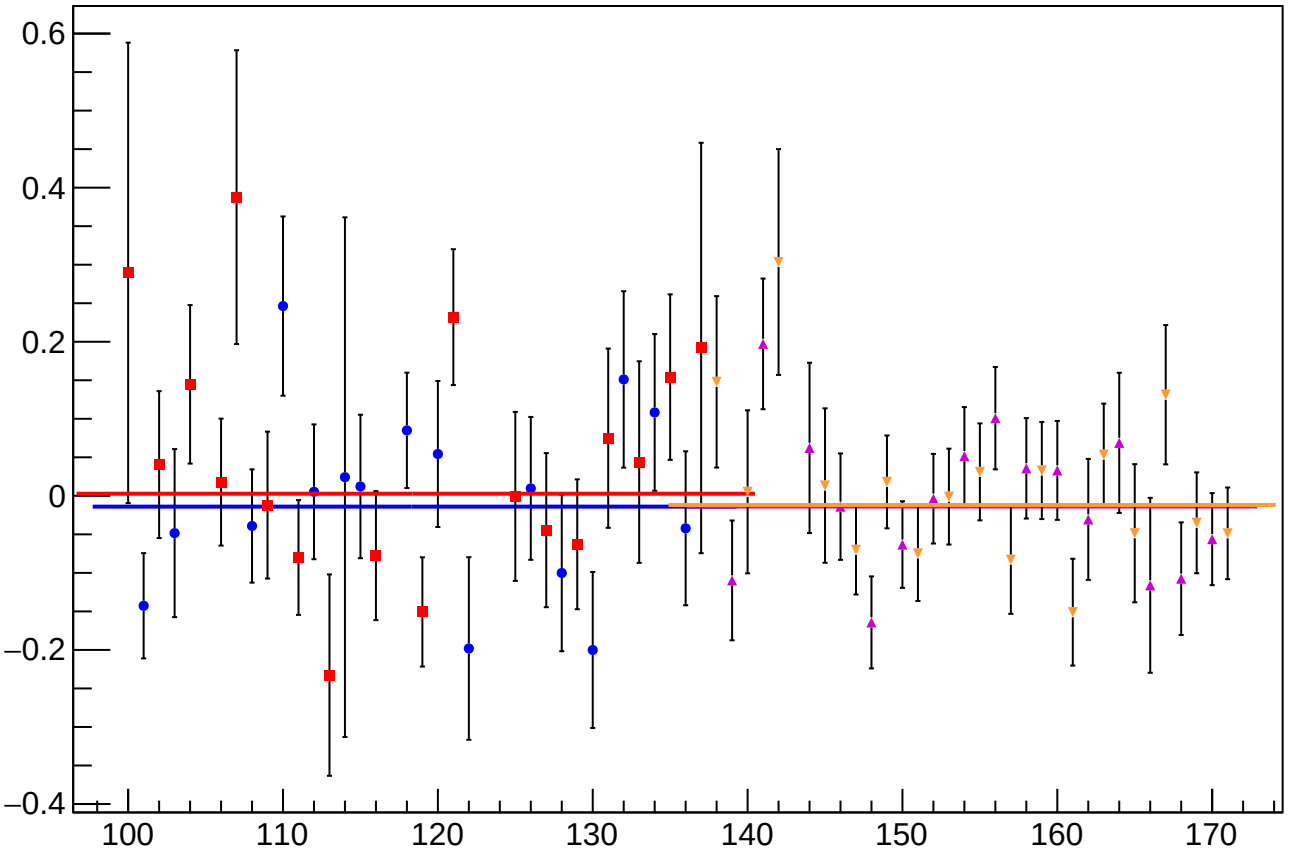
Left: 0.000+/-0.000 χ^2/NDF: 4554983.4/32

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

In: 0.000+/-0.000 χ^2/NDF:3891430.4/31

Out: 0.000+/-0.000 χ^2/NDF:5759179.7/34

All: 0.000+/-0.000 χ^2/NDF: 9818111.5/66



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: -0.014+/-0.017 χ^2/NDF:24.3/15

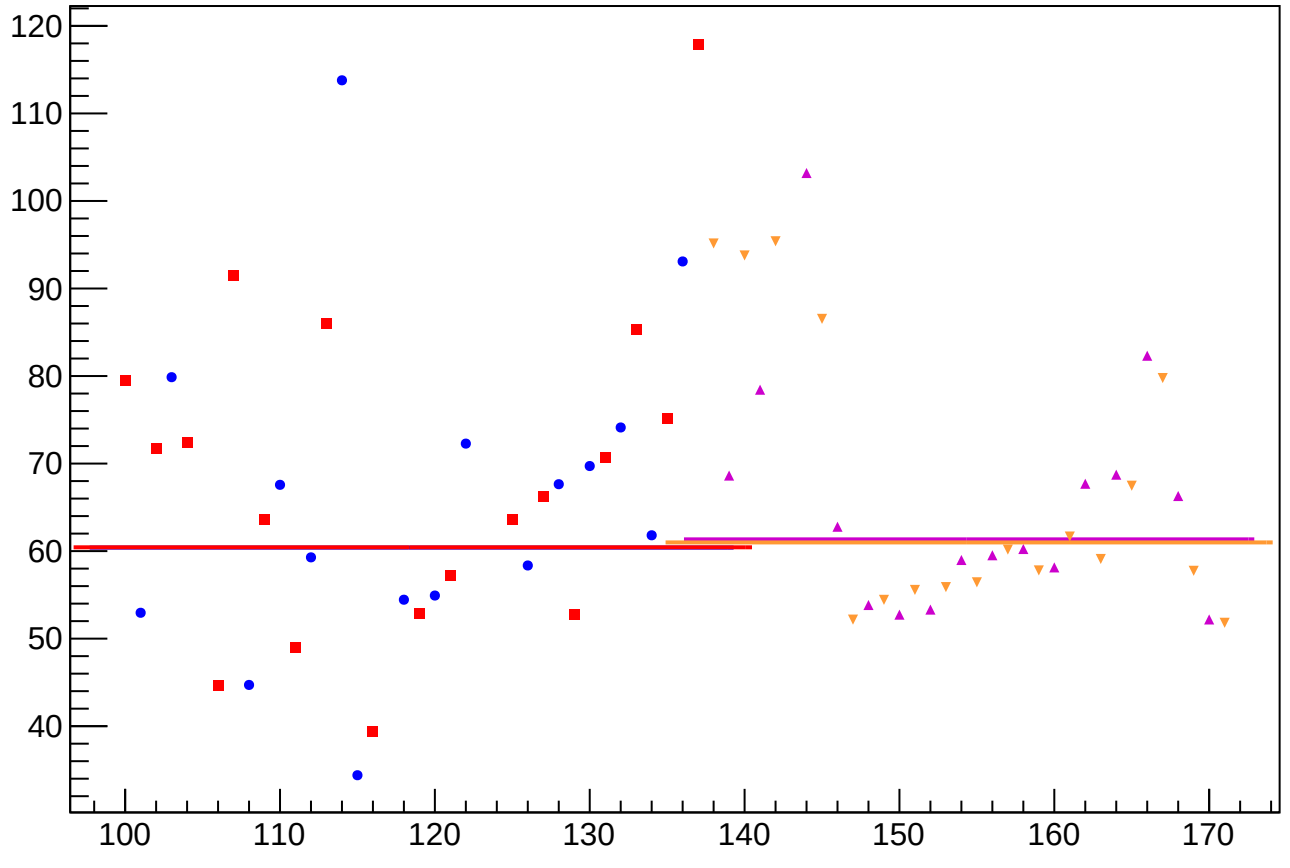
Left: -0.013+/-0.012 χ^2/NDF: 43.6/32

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

In: -0.014+/-0.014 χ^2/NDF:45.7/31

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.010+/-0.010 χ^2/NDF: 93.1/66



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: 61.341+/-0.012 χ^2/NDF:663461.0/15

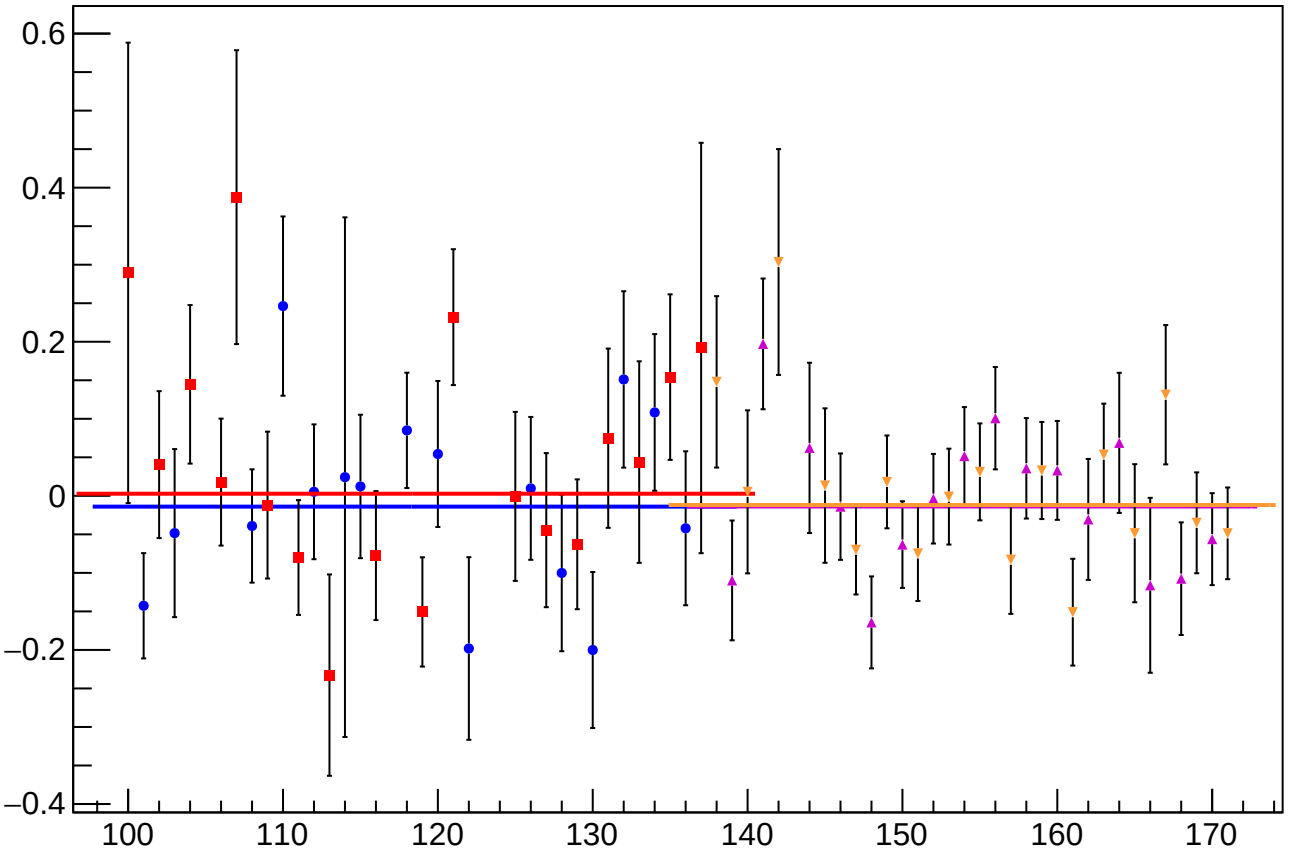
Left: 61.165+/-0.009 χ^2/NDF: 1550248.5/32

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

In: 61.012+/-0.010 χ^2/NDF:1368642.3/31

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

All: 60.904+/-0.007 χ^2/NDF: 2967071.4/66



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: -0.014+/-0.017 χ^2/NDF:24.3/15

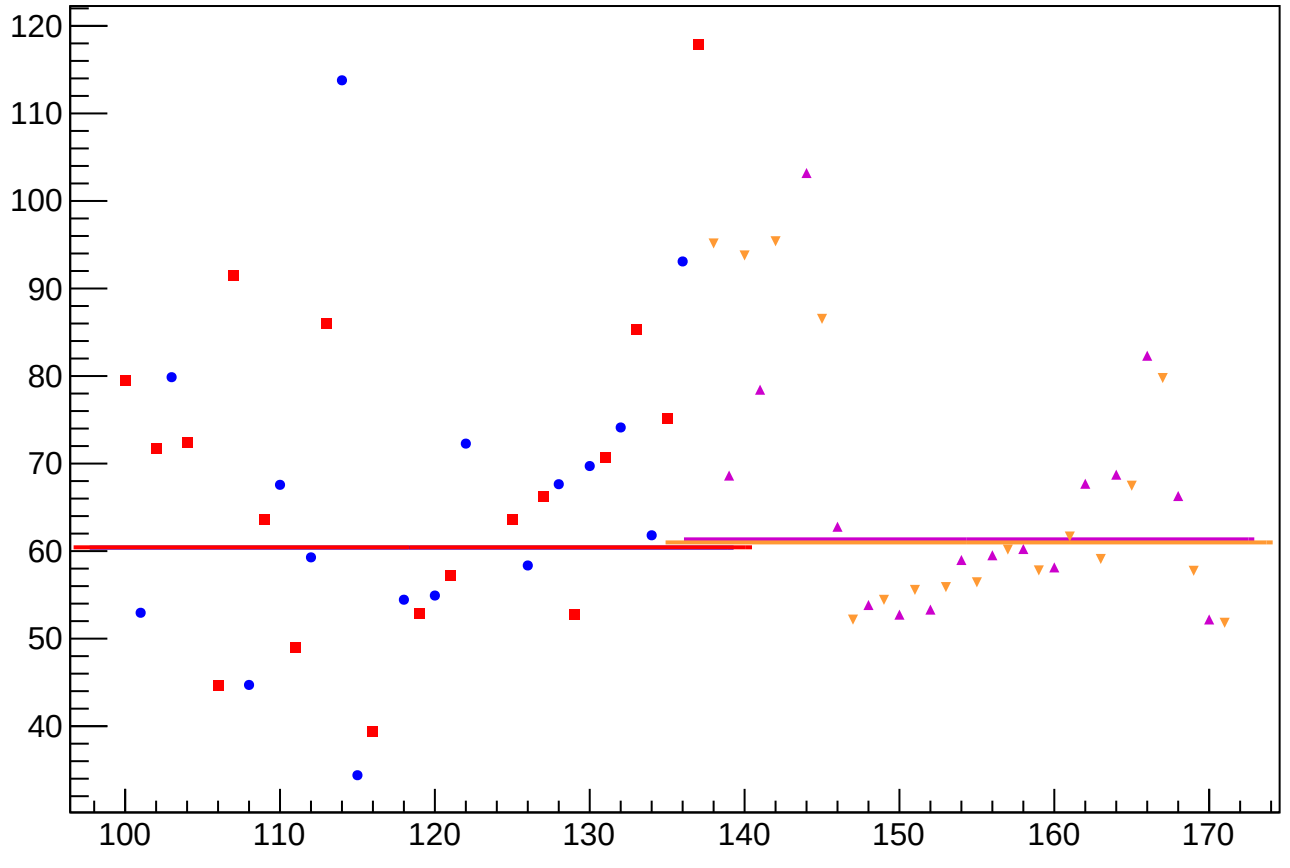
Left: -0.013+/-0.012 χ^2/NDF: 43.6/32

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

In: -0.014+/-0.014 χ^2/NDF:45.7/31

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.010+/-0.010 χ^2/NDF: 93.1/66



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: 61.341+/-0.012 χ^2/NDF:663461.0/15

Left: 61.165+/-0.009 χ^2/NDF: 1550248.5/32

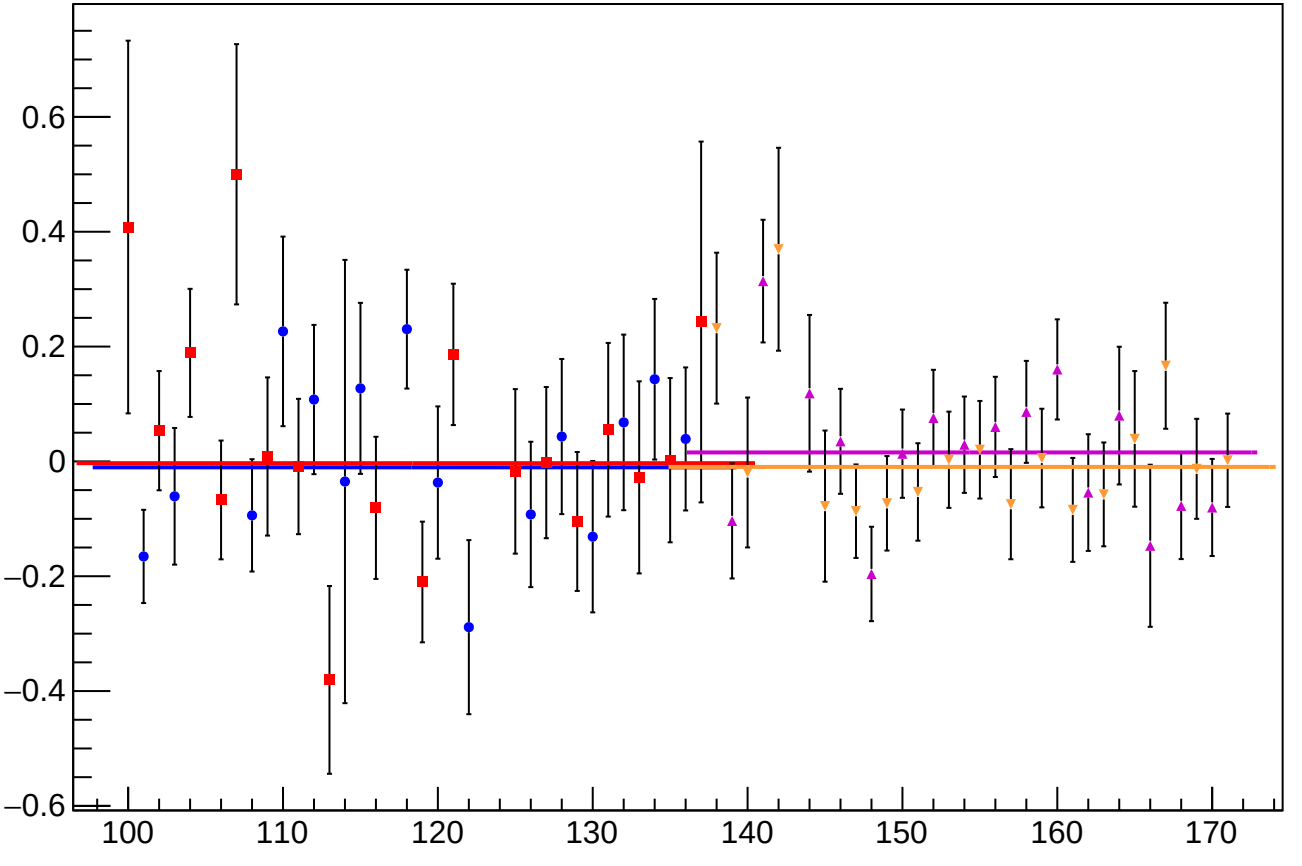
Right: 60.417+/-0.012 χ^2/NDF: 1414252.6/33

In: 61.012+/-0.010 χ^2/NDF:1368642.3/31

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

All: 60.904+/-0.007 χ^2/NDF: 2967071.4/66

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: 0.016+/-0.023 χ^2/NDF:25.0/15

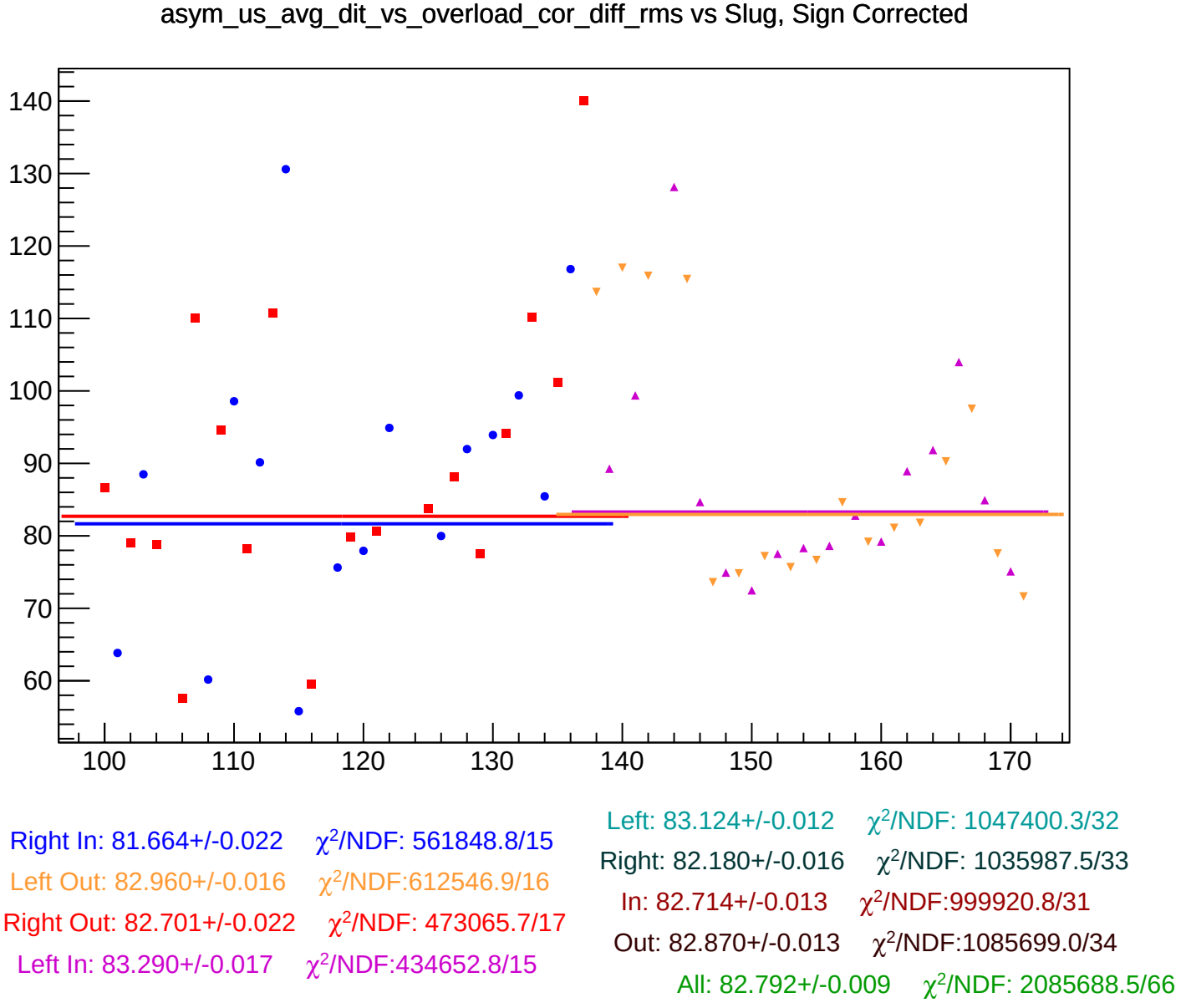
Left: 0.003+/-0.016 χ^2/NDF: 40.0/32

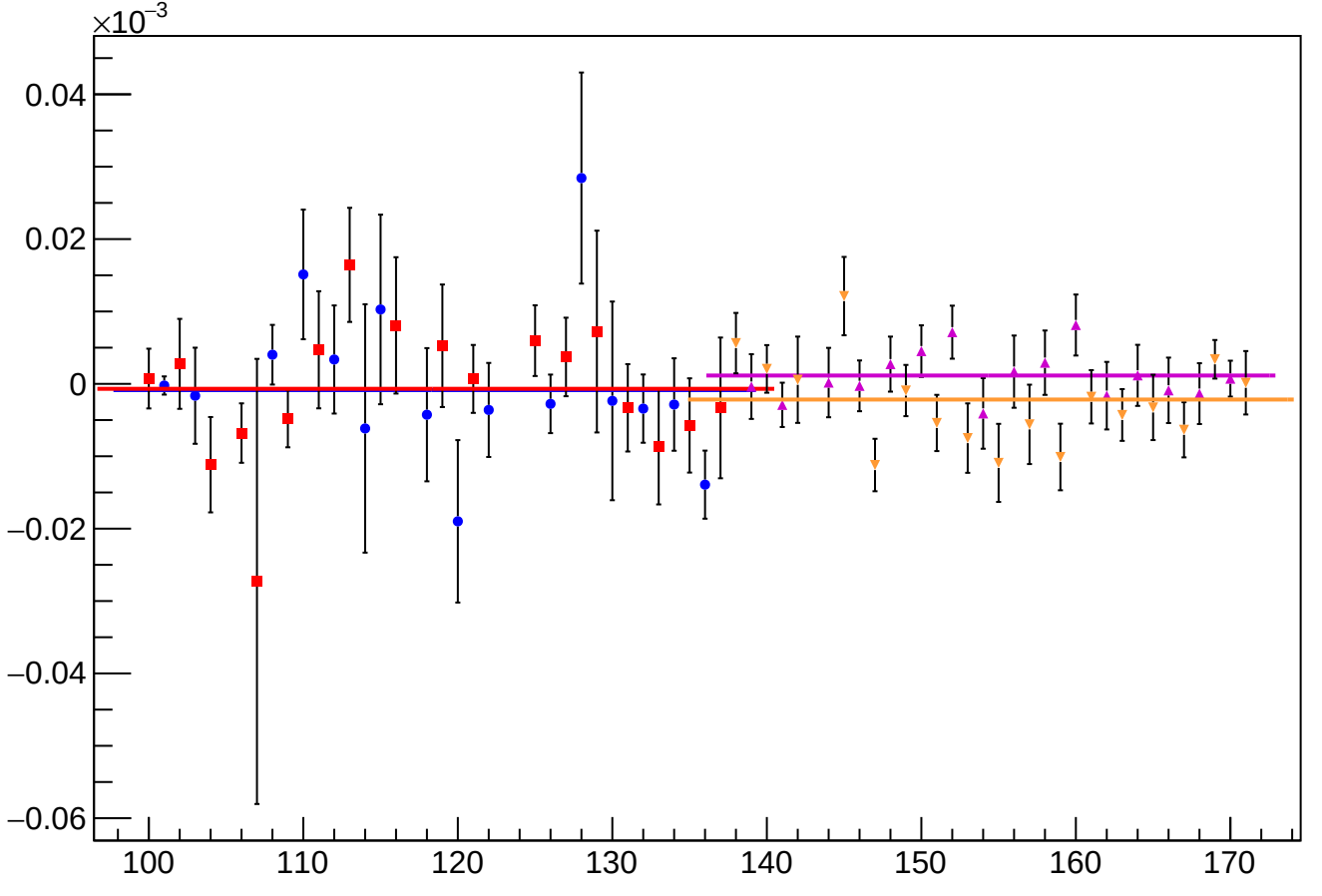
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.006+/-0.019 χ^2/NDF:45.6/31

Out: -0.007+/-0.019 χ^2/NDF:38.1/34

All: -0.000+/-0.013 χ^2/NDF: 84.0/66


asym_us_avg_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: 81.664+/-0.022 χ²/NDF: 561848.8/15
Left Out: 82.960+/-0.016 χ²/NDF:612546.9/16
Right Out: 82.701+/-0.022 χ²/NDF: 473065.7/17
Left In: 83.290+/-0.017 χ²/NDF:434652.8/15
Left: 83.124+/-0.012 χ²/NDF: 1047400.3/32
Right: 82.180+/-0.016 χ²/NDF: 1035987.5/33
In: 82.714+/-0.013 χ²/NDF:999920.8/31
Out: 82.870+/-0.013 χ²/NDF:1085699.0/34
All: 82.792+/-0.009 χ²/NDF: 2085688.5/66



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:10.8/15

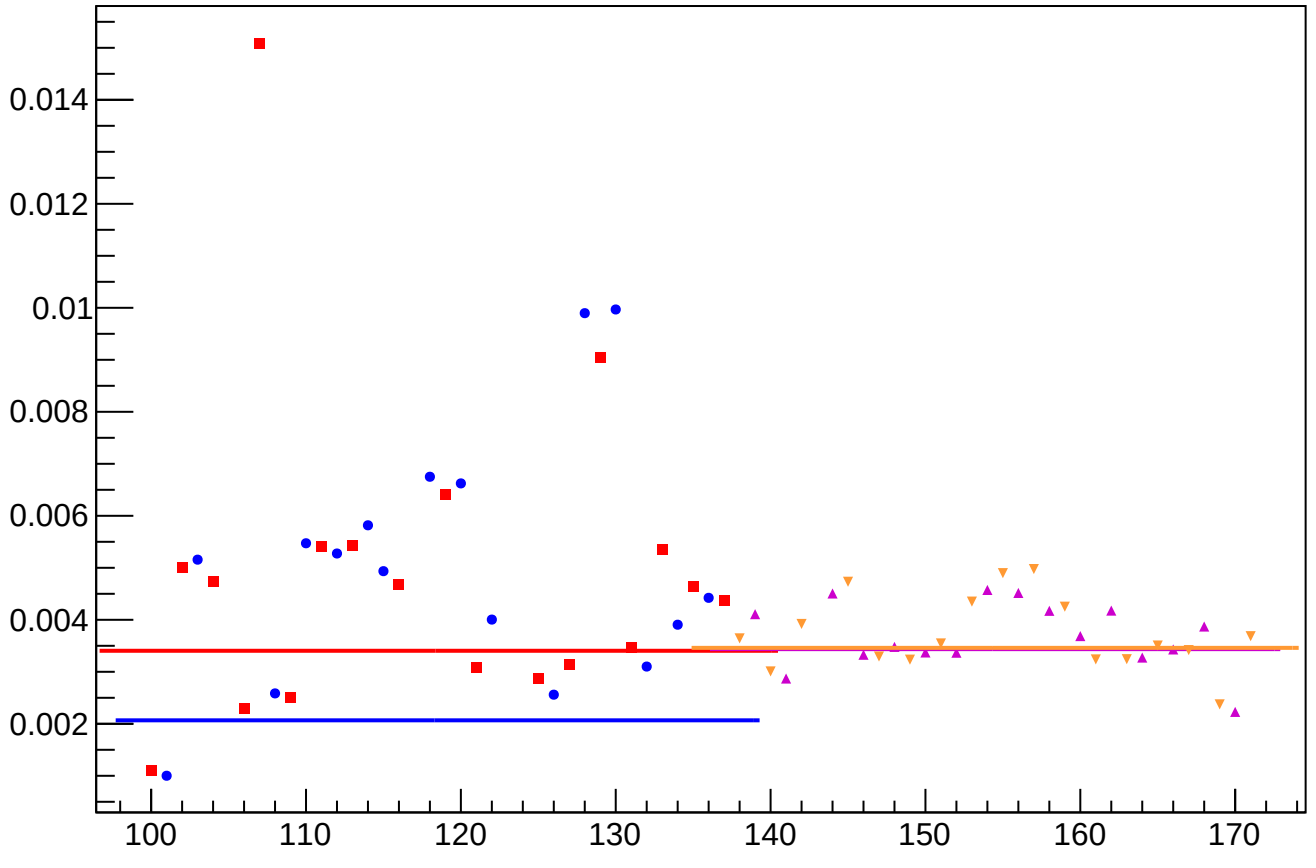
Left: -0.000+/-0.000 χ^2/NDF: 49.5/32

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

In: 0.000+/-0.000 χ^2/NDF:34.2/31

Out: -0.000+/-0.000 χ^2/NDF:52.0/34

All: -0.000+/-0.000 χ^2/NDF: 89.3/66



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:1029554.9/15

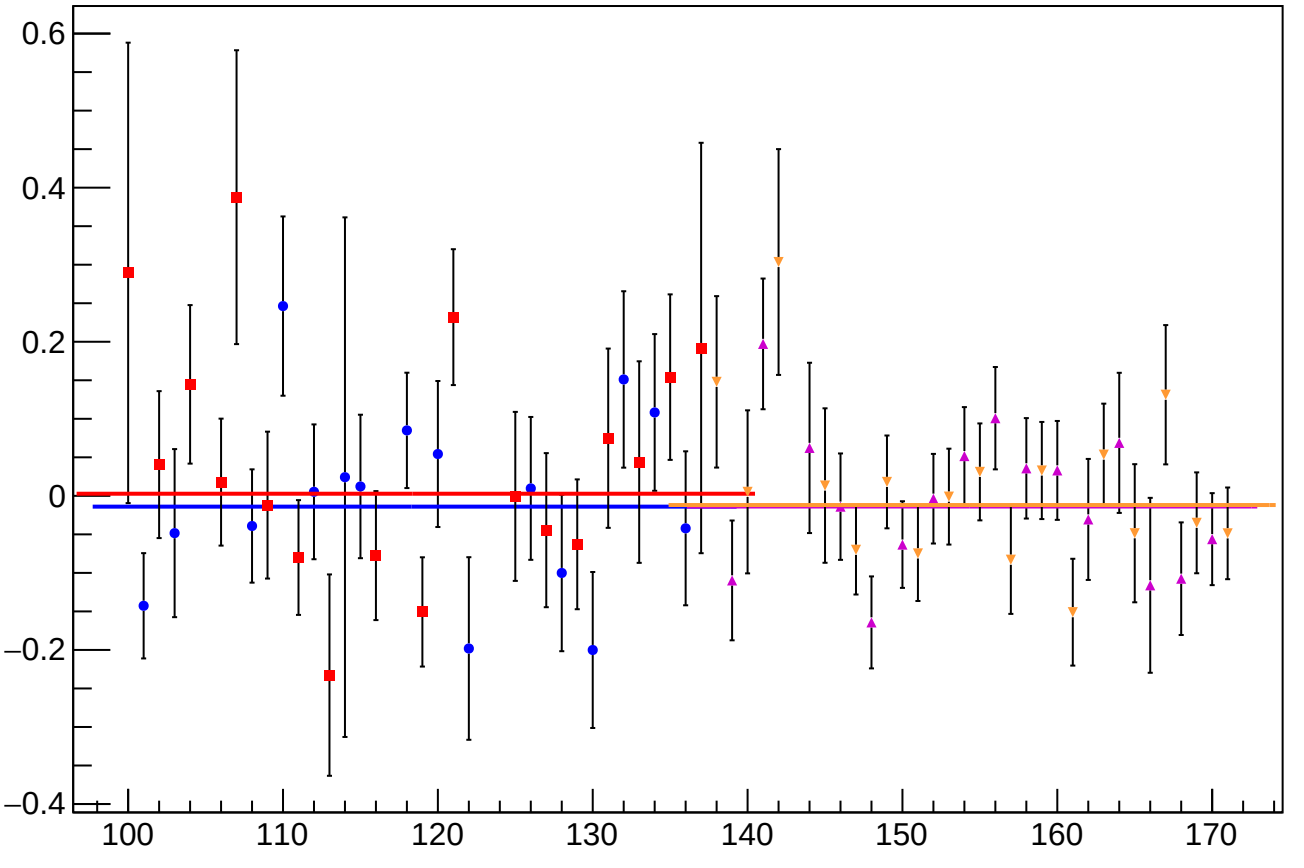
Left: 0.003+/-0.000 χ^2/NDF: 1983585.2/32

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

In: 0.003+/-0.000 χ^2/NDF:8758063.4/31

Out: 0.003+/-0.000 χ^2/NDF:3446805.4/34

All: 0.003+/-0.000 χ^2/NDF: 12983658.7/66



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: -0.014+/-0.017 χ^2/NDF:24.3/15

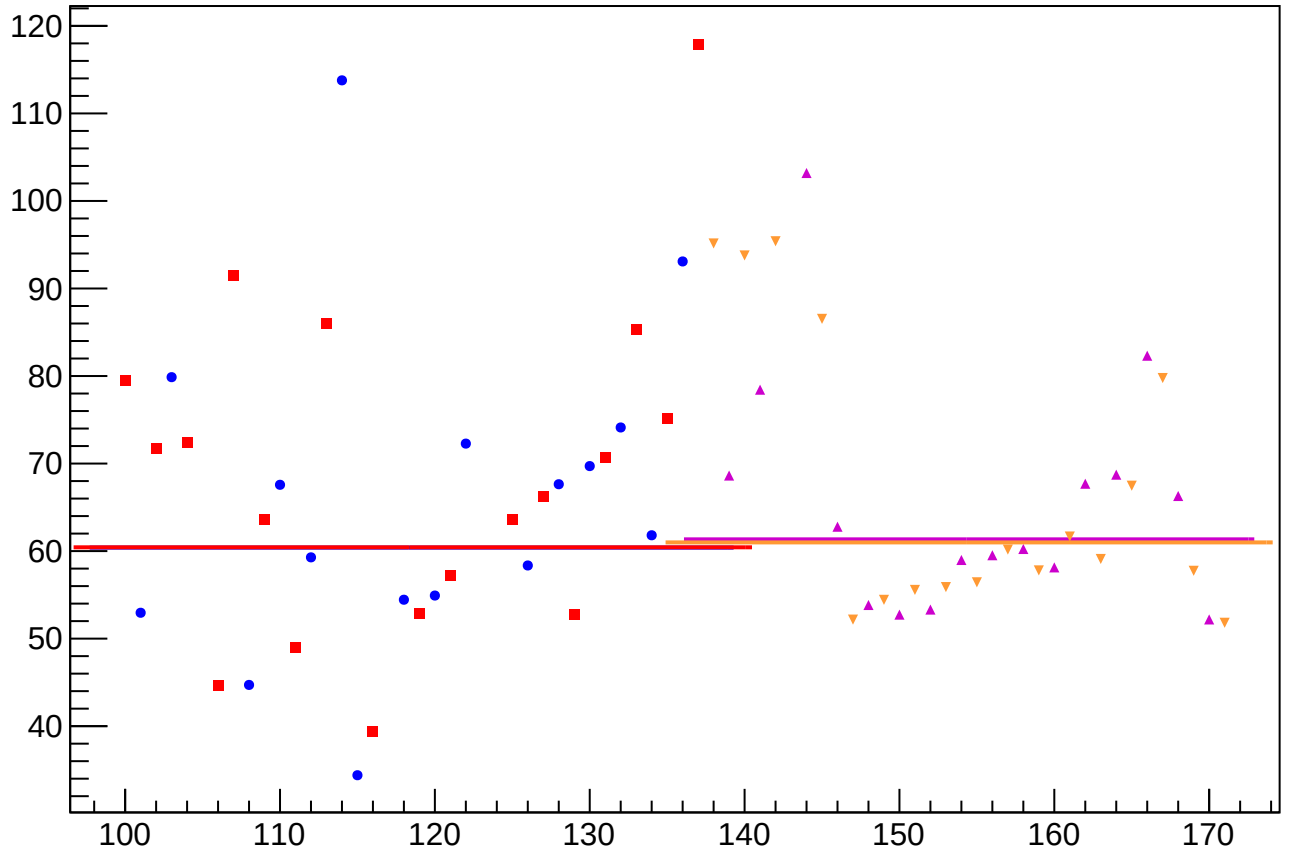
Left: -0.013+/-0.012 χ^2/NDF: 43.6/32

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

In: -0.014+/-0.014 χ^2/NDF:45.7/31

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.010+/-0.010 χ^2/NDF: 93.1/66



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: 61.341+/-0.012 χ^2/NDF:663457.2/15

Left: 61.165+/-0.009 χ^2/NDF: 1550240.7/32

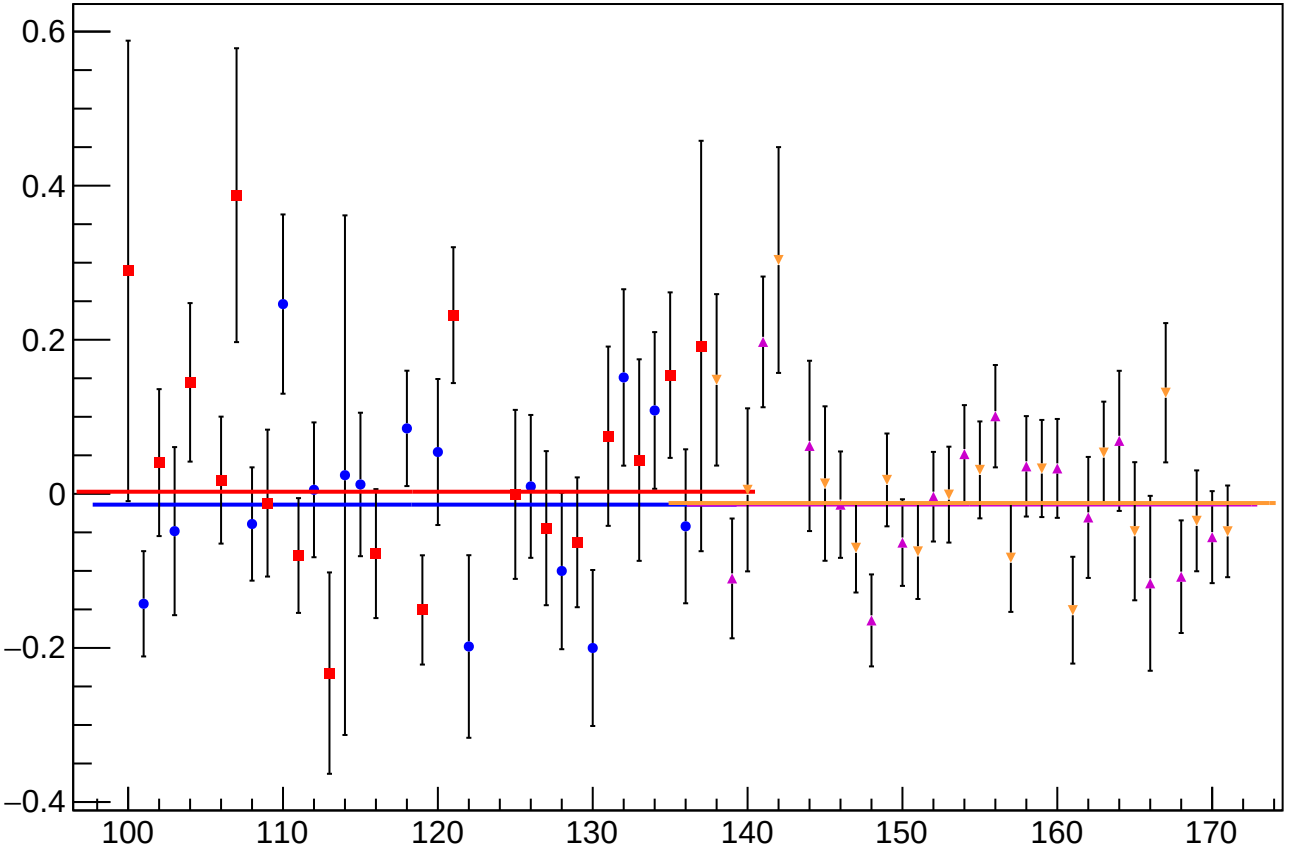
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 61.011+/-0.010 χ^2/NDF:1368657.7/31

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

All: 60.904+/-0.007 χ^2/NDF: 2967117.5/66

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: -0.014+/-0.017 χ^2/NDF:24.3/15

Left: -0.013+/-0.012 χ^2/NDF: 43.6/32

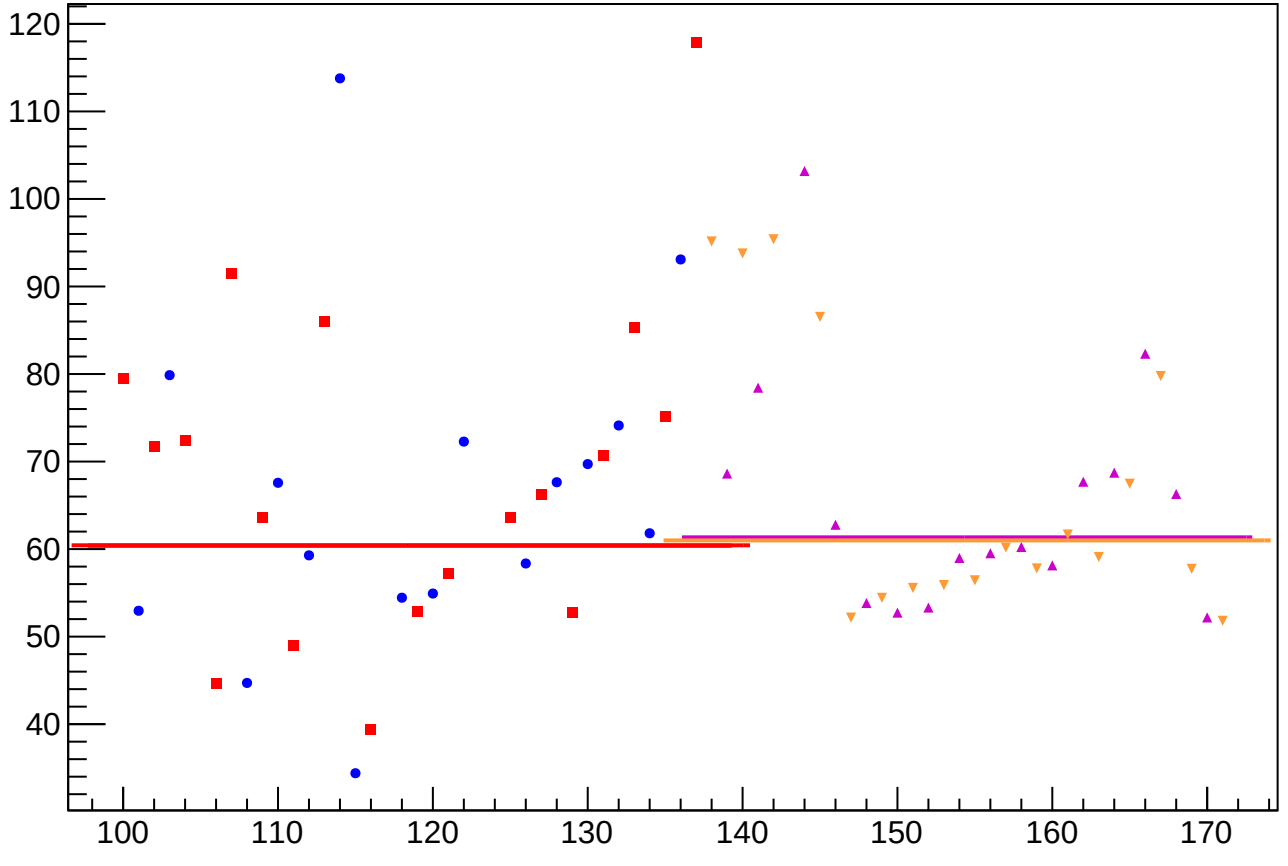
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.014+/-0.014 χ^2/NDF:45.7/31

Out: -0.007+/-0.014 χ^2/NDF:47.3/34

All: -0.010+/-0.010 χ^2/NDF: 93.1/66

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 61.341+/-0.012 χ^2/NDF:663457.2/15

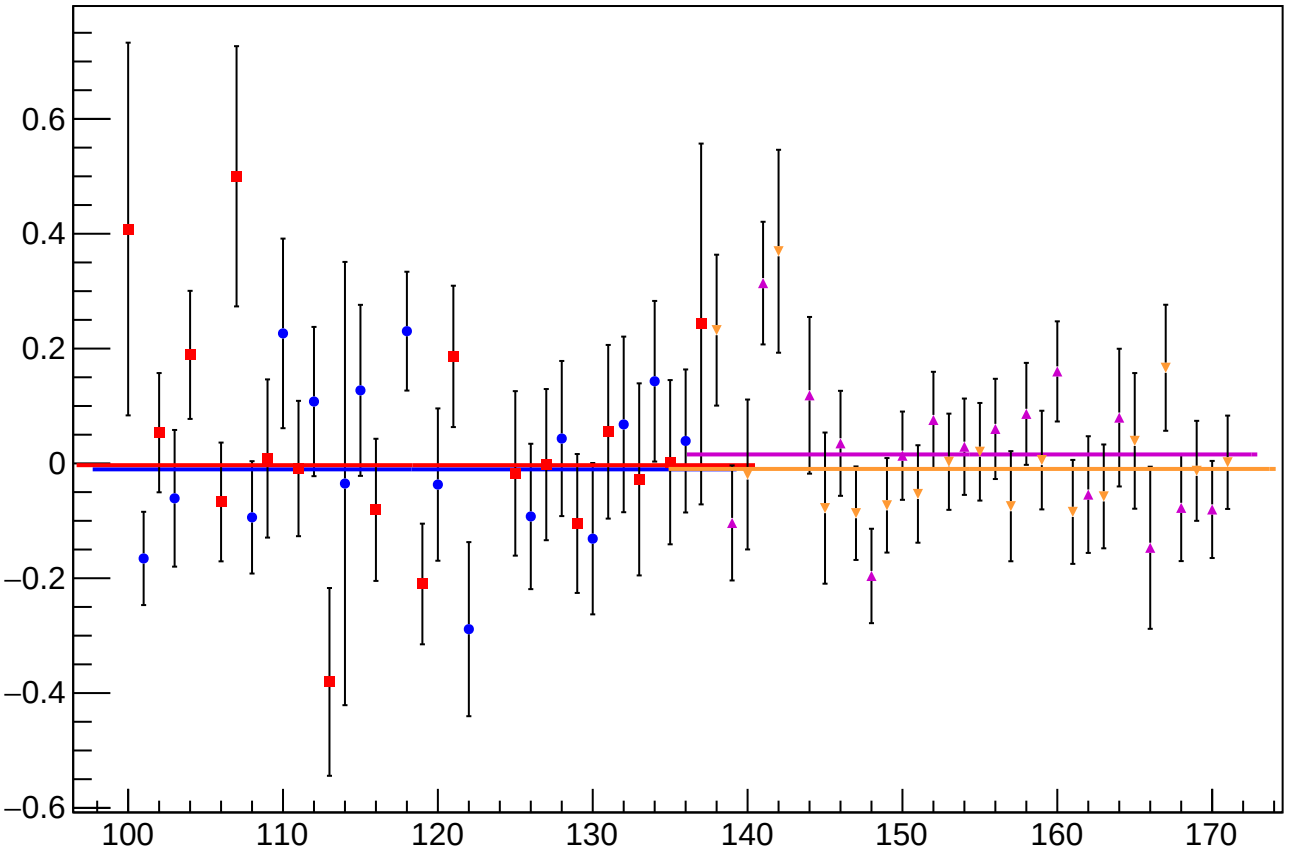
Left: 61.165+/-0.009 χ^2/NDF: 1550240.7/32

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

In: 61.011+/-0.010 χ^2/NDF:1368657.7/31

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

All: 60.904+/-0.007 χ^2/NDF: 2967117.5/66



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: 0.016+/-0.023 χ^2/NDF:25.0/15

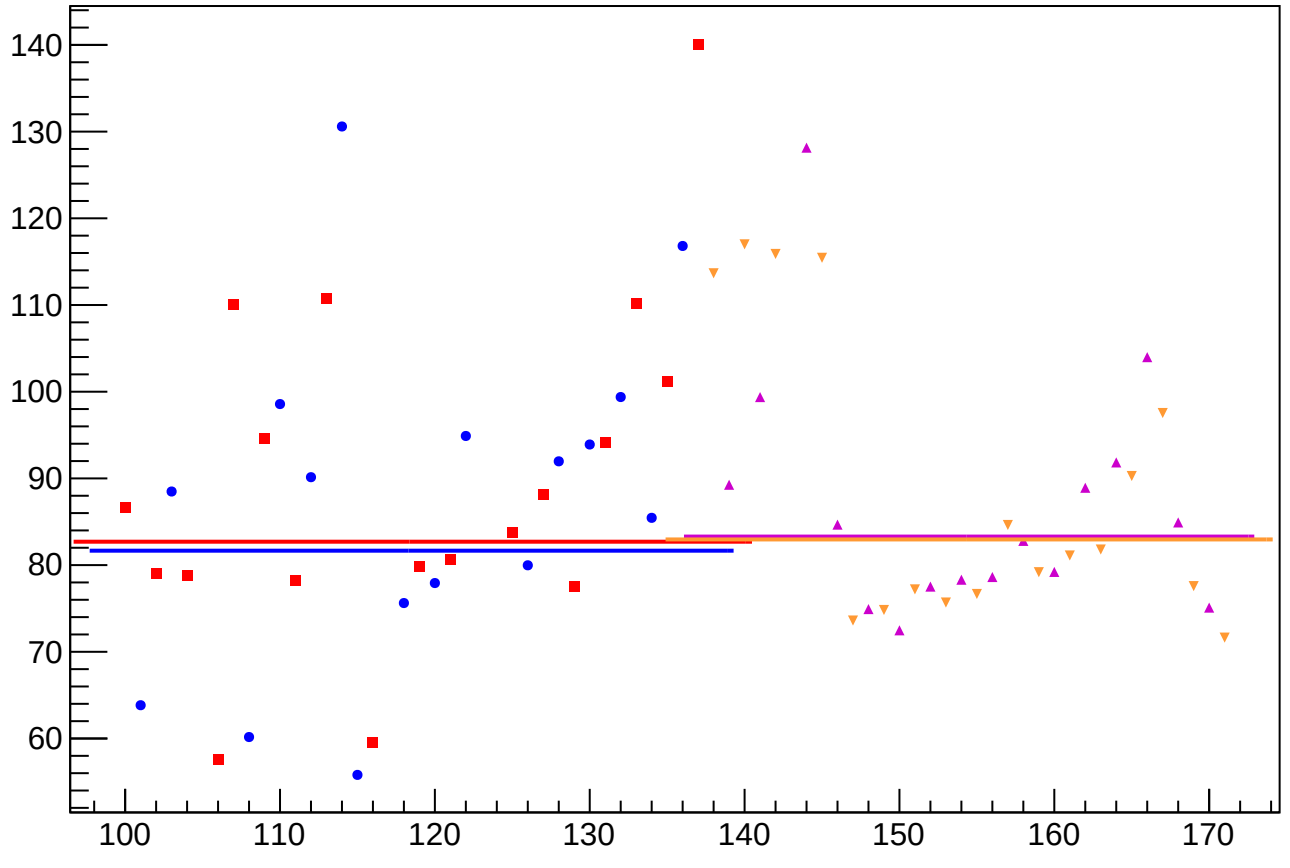
Left: 0.003+/-0.016 χ^2/NDF: 40.0/32

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

In: 0.006+/-0.019 χ^2/NDF:45.6/31

Out: -0.007+/-0.019 χ^2/NDF:38.1/34

All: -0.000+/-0.013 χ^2/NDF: 84.0/66



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

Left Out: 82.960+/-0.016 χ^2/NDF:612544.6/16

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

Left In: 83.290+/-0.017 χ^2/NDF:434652.3/15

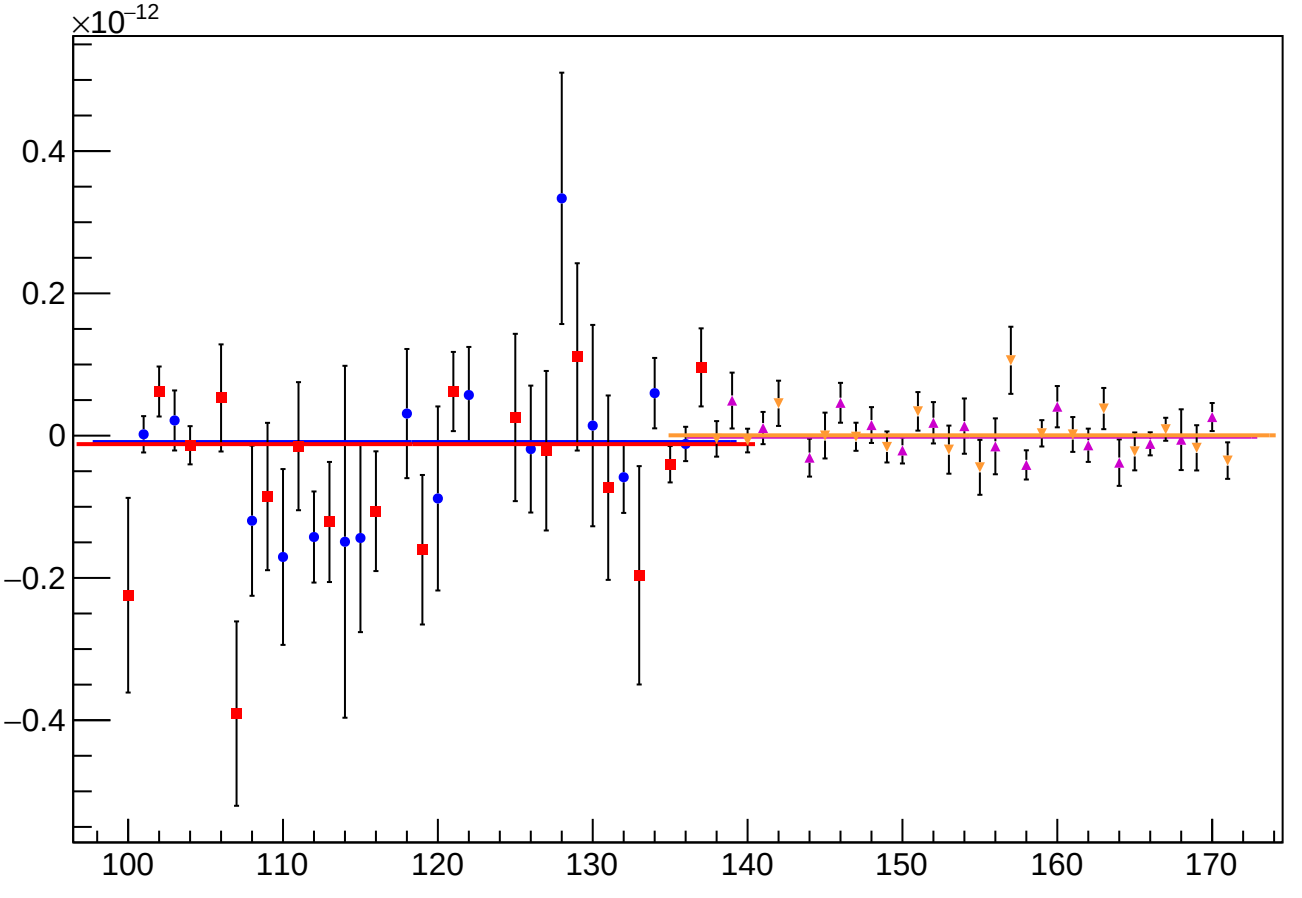
Left: 83.124+/-0.012 χ^2/NDF: 1047397.3/32

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

In: 82.714+/-0.013 χ^2/NDF:999912.3/31

Out: 82.869+/-0.013 χ^2/NDF:1085694.2/34

All: 82.792+/-0.009 χ^2/NDF: 2085675.1/66



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:18.0/15

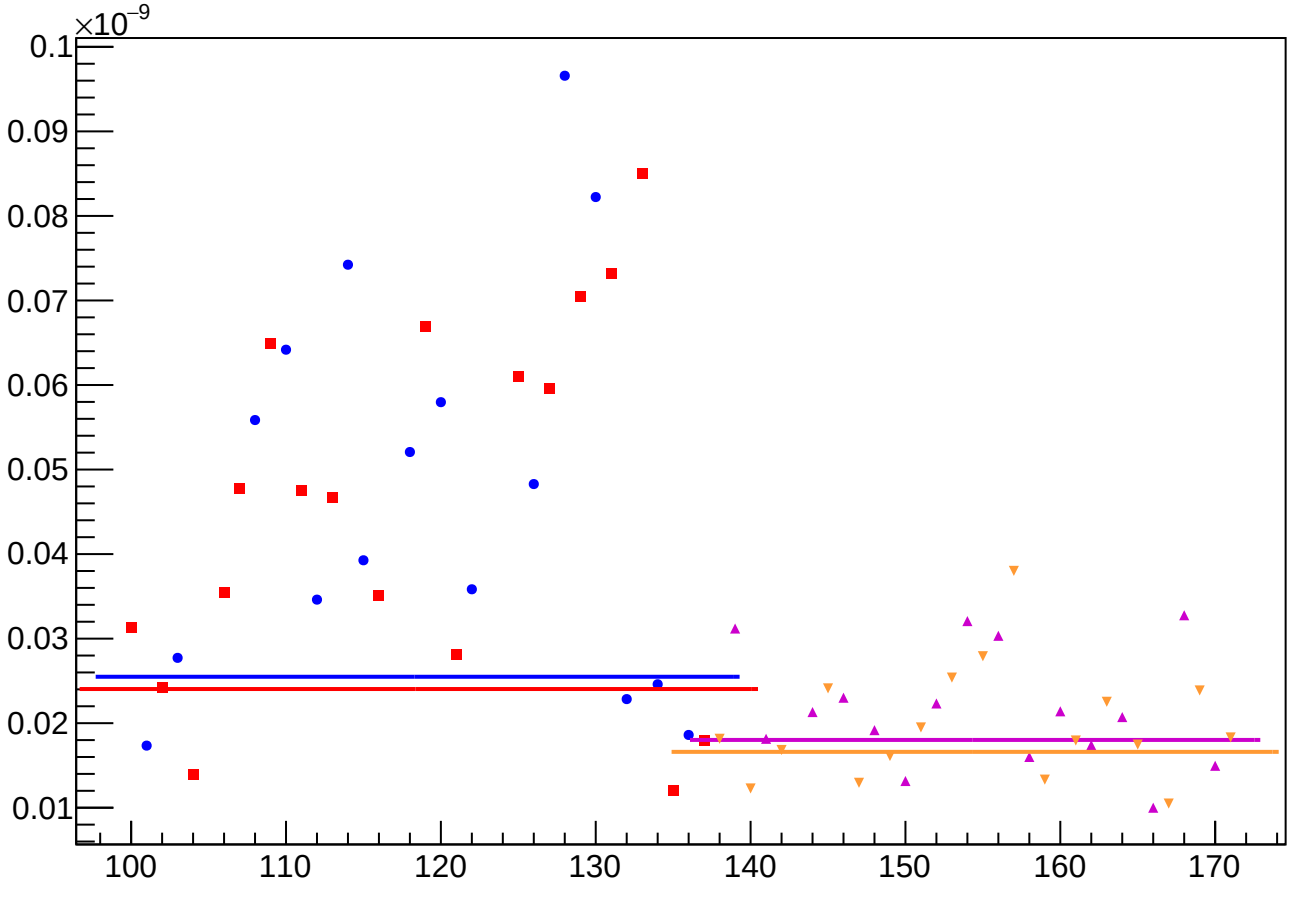
Left: -0.000+/-0.000 χ^2/NDF: 34.1/32

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

In: -0.000+/-0.000 χ^2/NDF:35.7/31

Out: -0.000+/-0.000 χ^2/NDF:47.8/34

All: -0.000+/-0.000 χ^2/NDF: 83.5/66



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:1803250.9/15

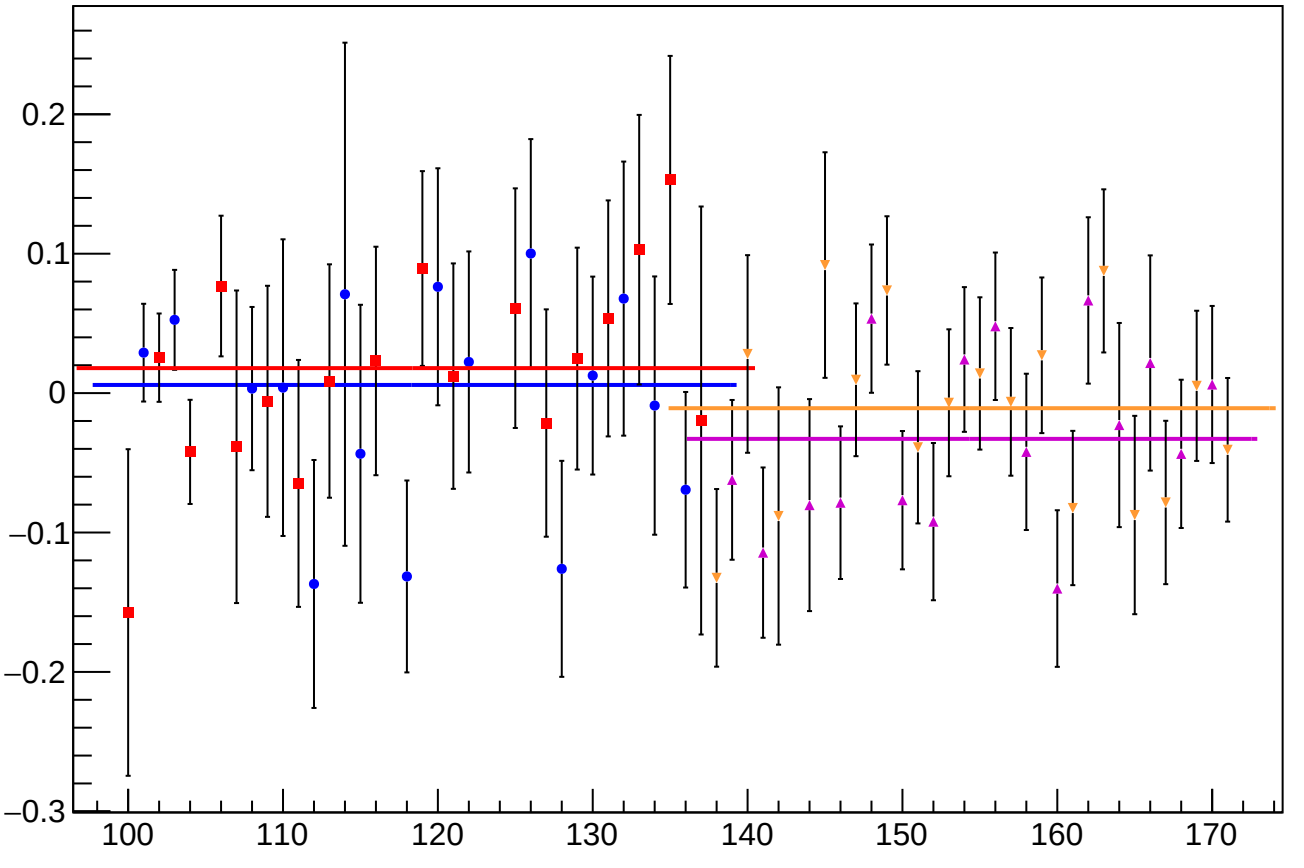
Left: 0.000+/-0.000 χ^2/NDF: 3473965.4/32

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

In: 0.000+/-0.000 χ^2/NDF:4323512.2/31

Out: 0.000+/-0.000 χ^2/NDF:5216980.2/34

All: 0.000+/-0.000 χ^2/NDF: 9620597.1/66



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:18.7/15

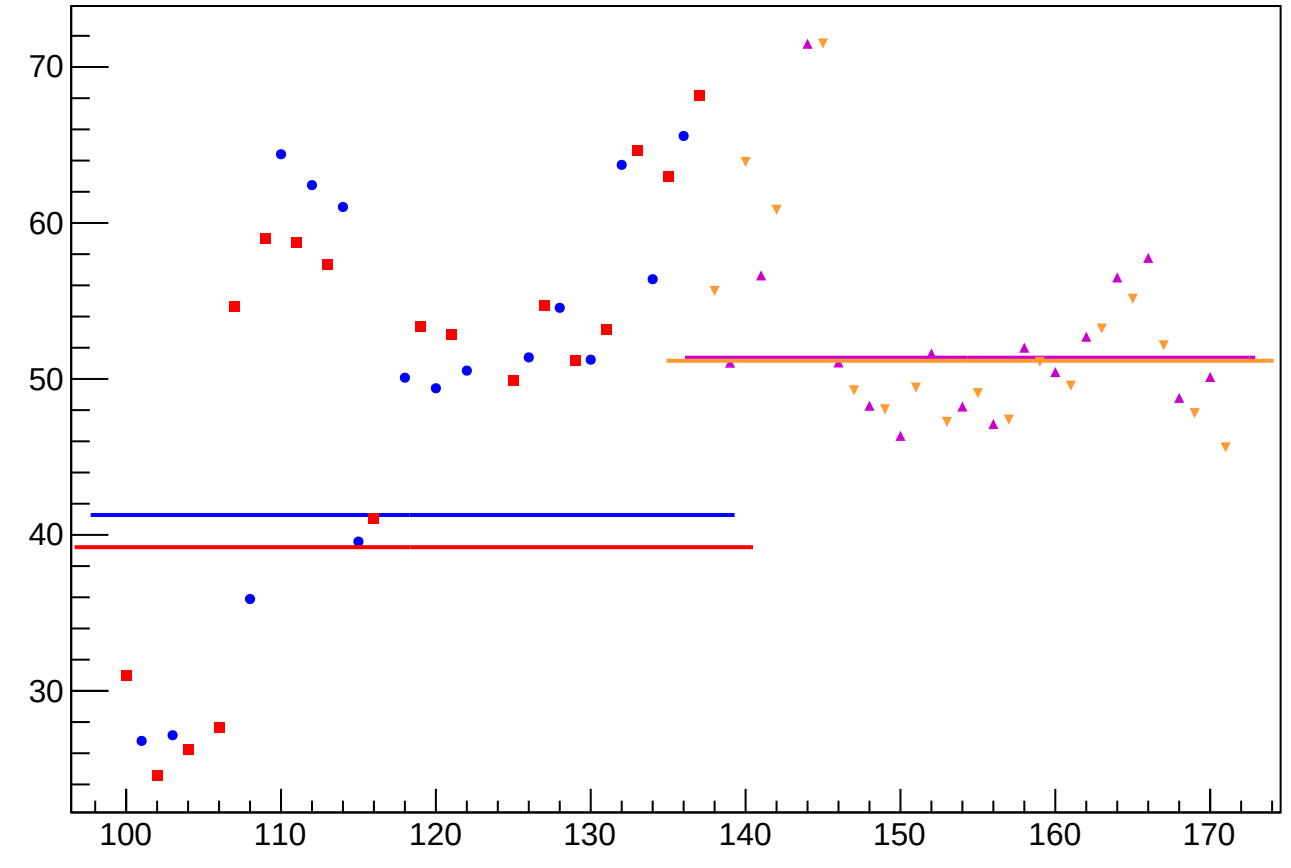
Left: -0.022+/-0.010 χ^2/NDF: 37.2/32

Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.011 χ^2/NDF:37.4/31

Out: 0.002+/-0.011 χ^2/NDF:31.4/34

All: -0.007+/-0.008 χ^2/NDF: 70.3/66



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: 51.363+/-0.010 χ^2/NDF:233682.3/15

Left: 51.264+/-0.007 χ^2/NDF: 534215.0/32

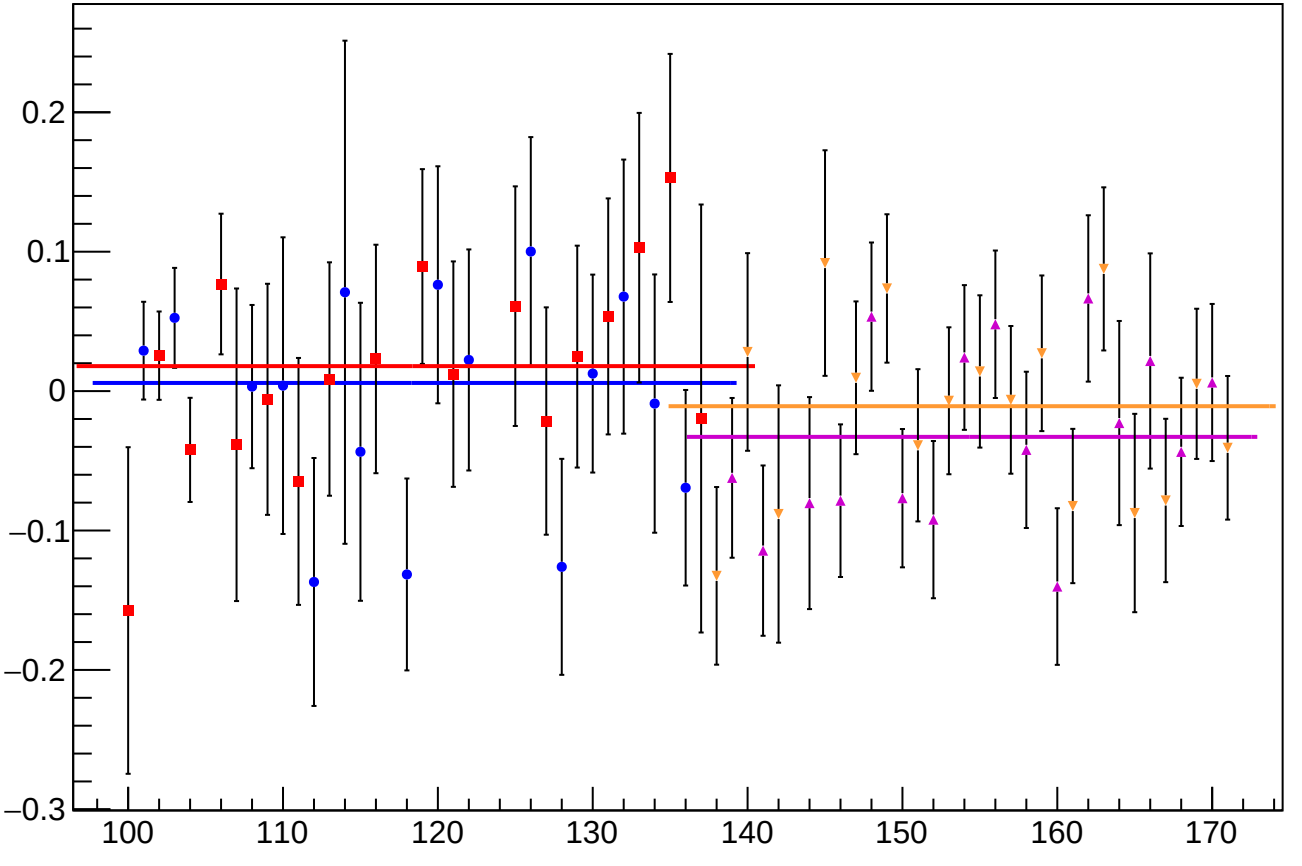
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.009+/-0.008 χ^2/NDF:2162370.3/31

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

All: 46.381+/-0.005 χ^2/NDF: 4930747.1/66

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:18.7/15

Left: -0.022+/-0.010 χ^2/NDF: 37.2/32

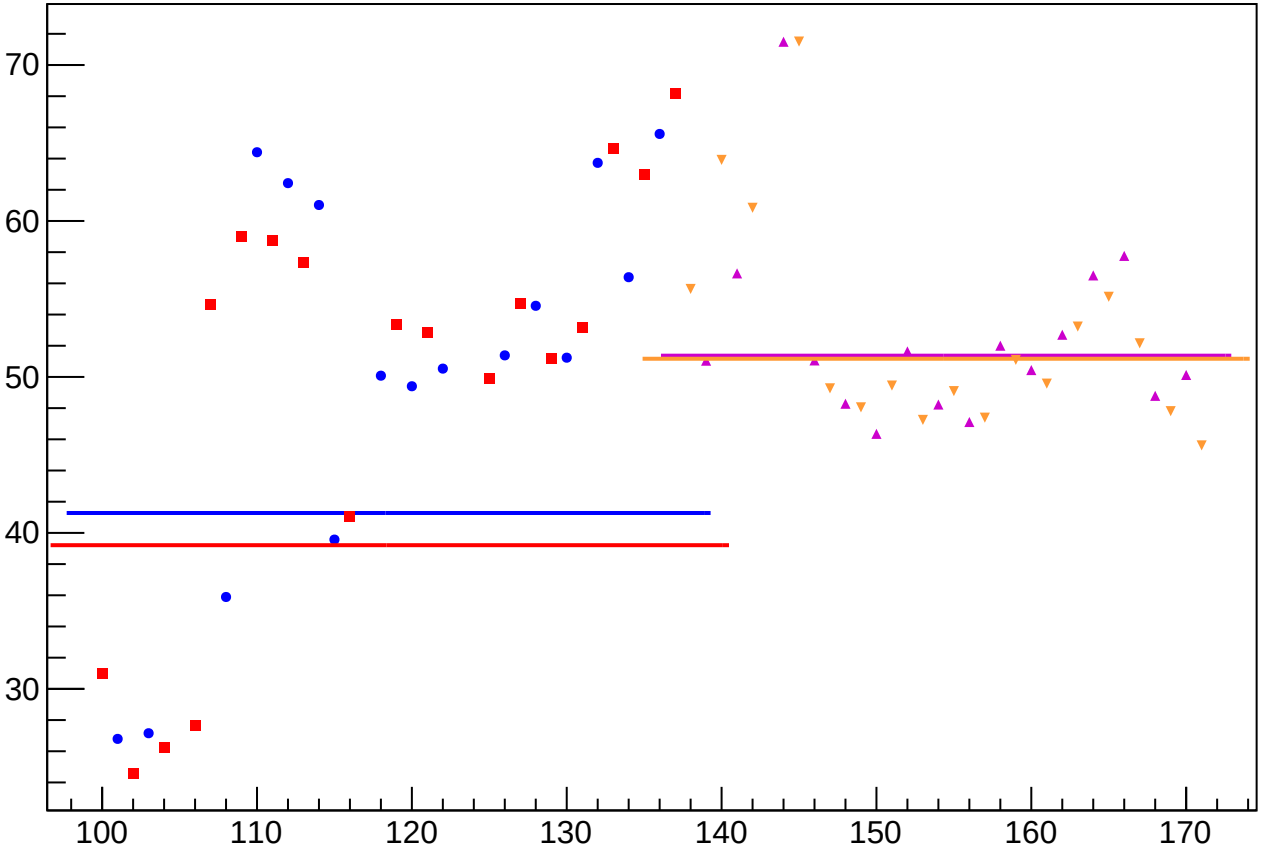
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.016+/-0.011 χ^2/NDF:37.4/31

Out: 0.002+/-0.011 χ^2/NDF:31.4/34

All: -0.007+/-0.008 χ^2/NDF: 70.3/66

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: 51.363+/-0.010 χ^2/NDF:233682.3/15

Left: 51.264+/-0.007 χ^2/NDF: 534215.0/32

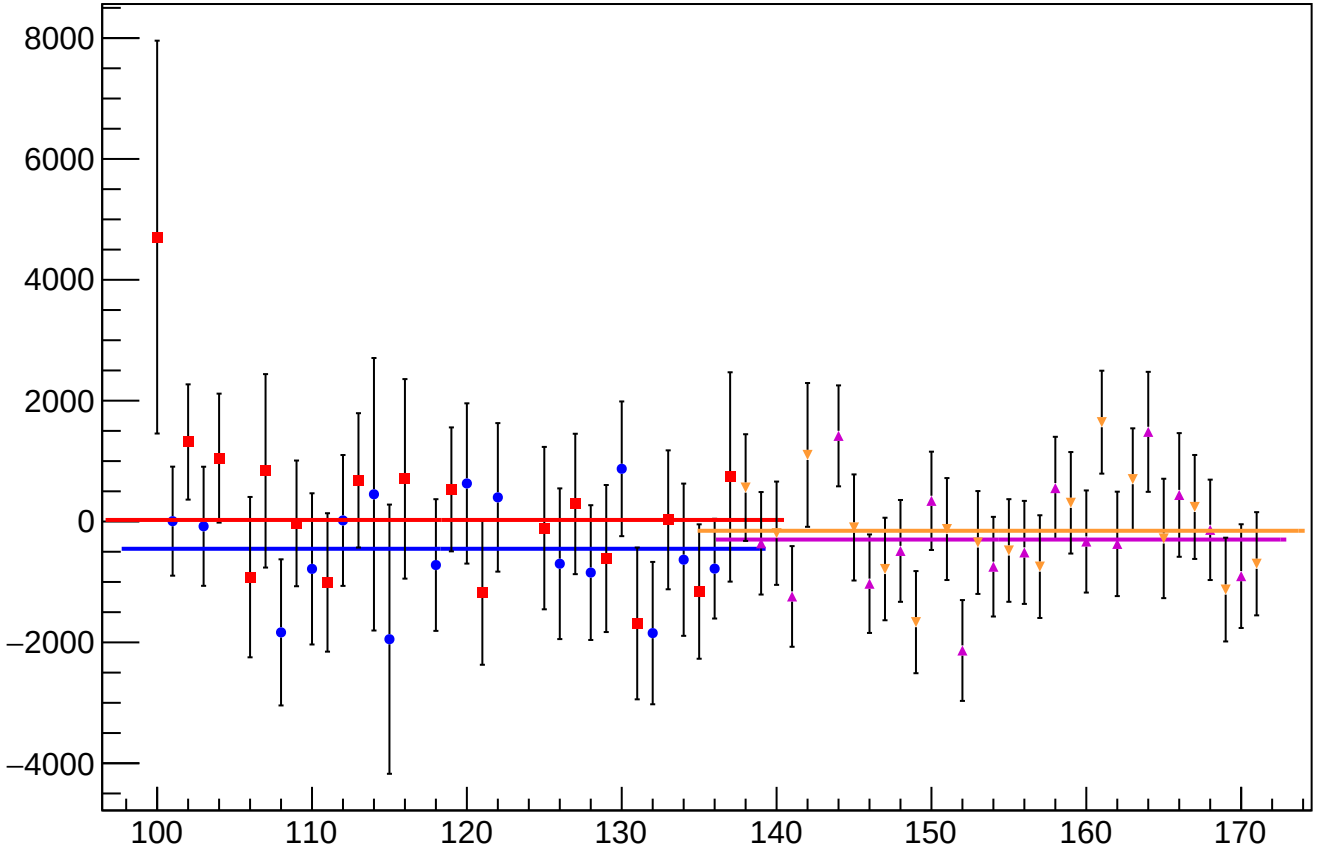
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.009+/-0.008 χ^2/NDF:2162370.3/31

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

All: 46.381+/-0.005 χ^2/NDF: 4930747.1/66

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: -298.365+/-213.793 χ^2/NDF:17.5/15

Left: -224.983+/-150.425 χ^2/NDF: 31.6/32

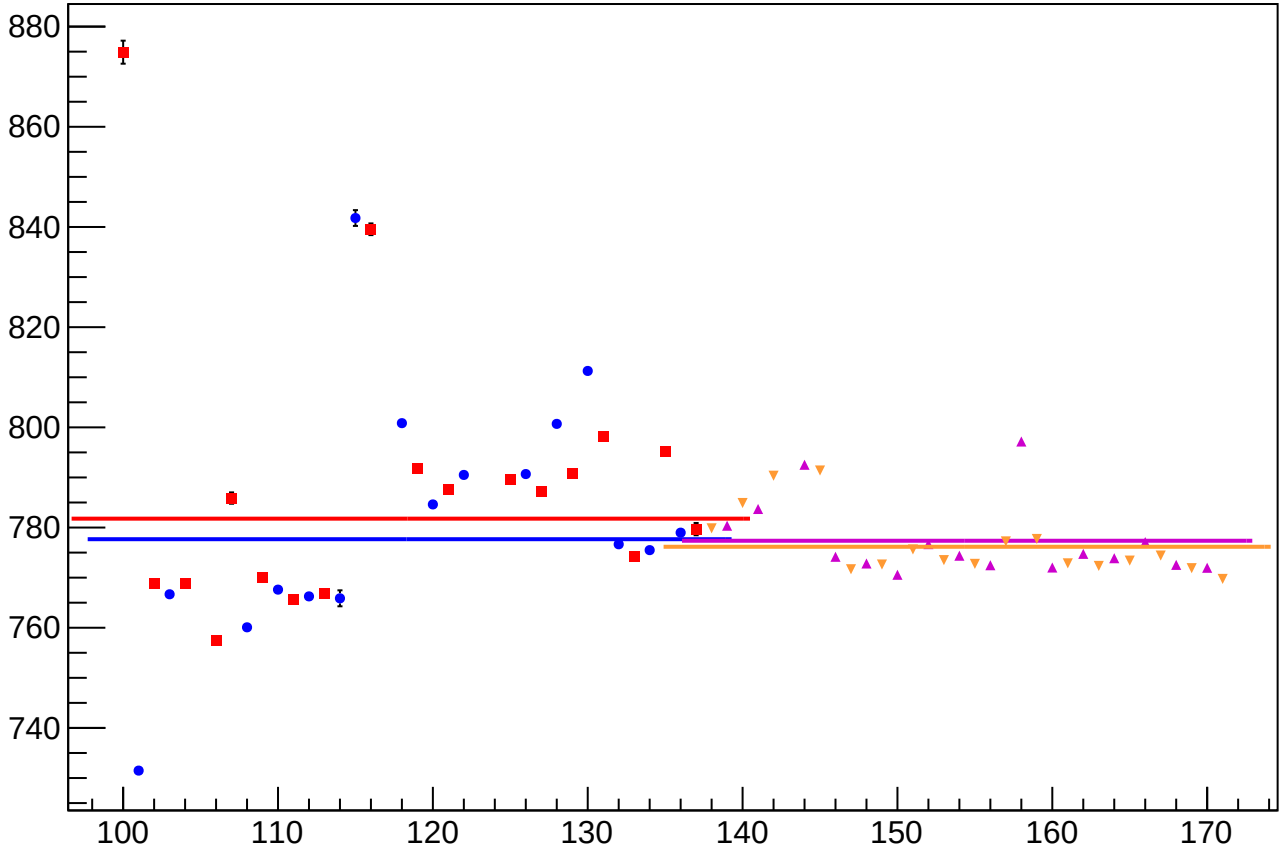
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -352.346+/-171.864 χ^2/NDF:24.6/31

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

All: -220.308+/-121.072 χ^2/NDF: 51.6/66

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: 777.365+/-0.151 χ^2/NDF:2481.4/15

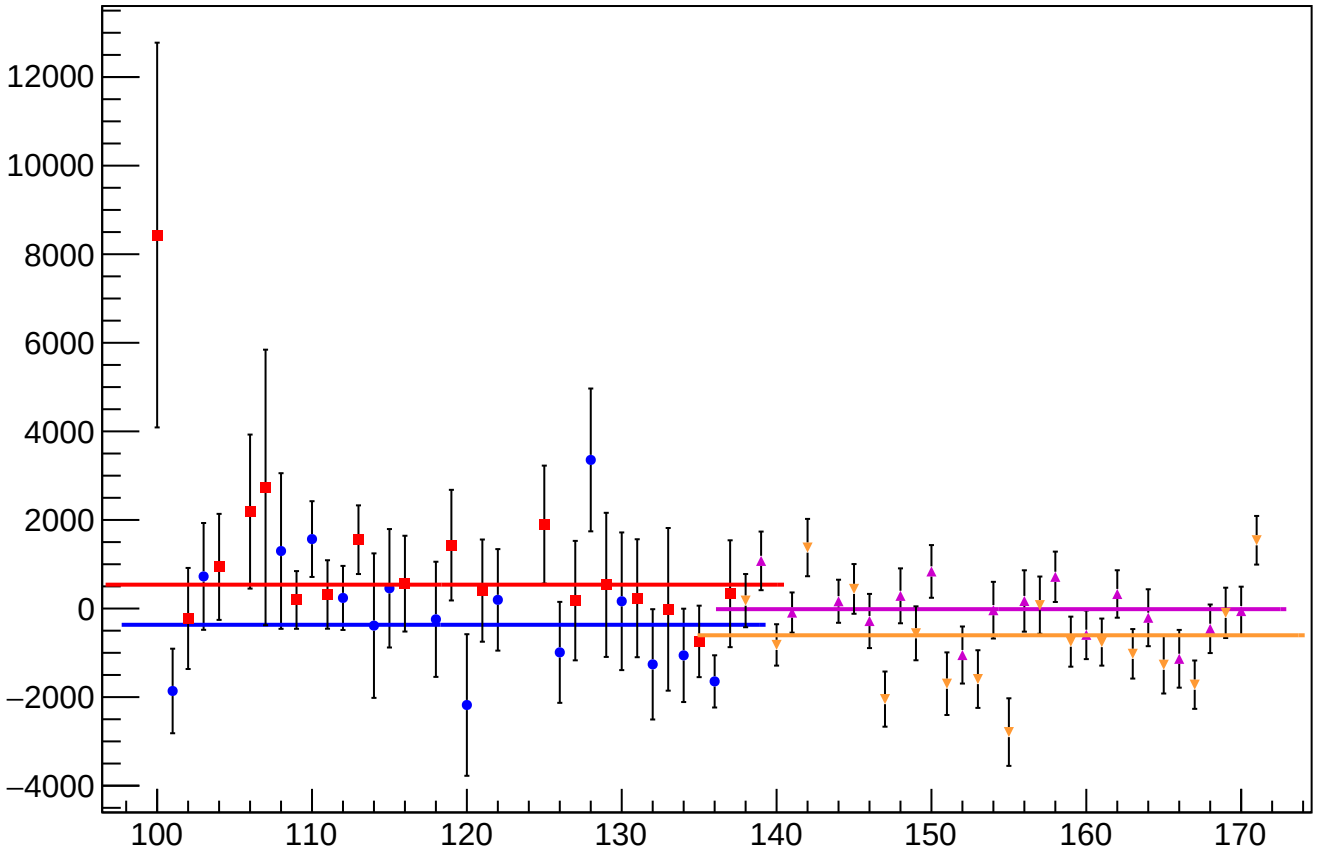
Left: 776.758+/-0.106 χ^2/NDF: 4054.6/32

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

In: 777.474+/-0.122 χ^2/NDF:14538.3/31

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

All: 777.805+/-0.086 χ^2/NDF: 24213.8/66



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: -14.183+/-144.785 χ^2/NDF:14.9/15

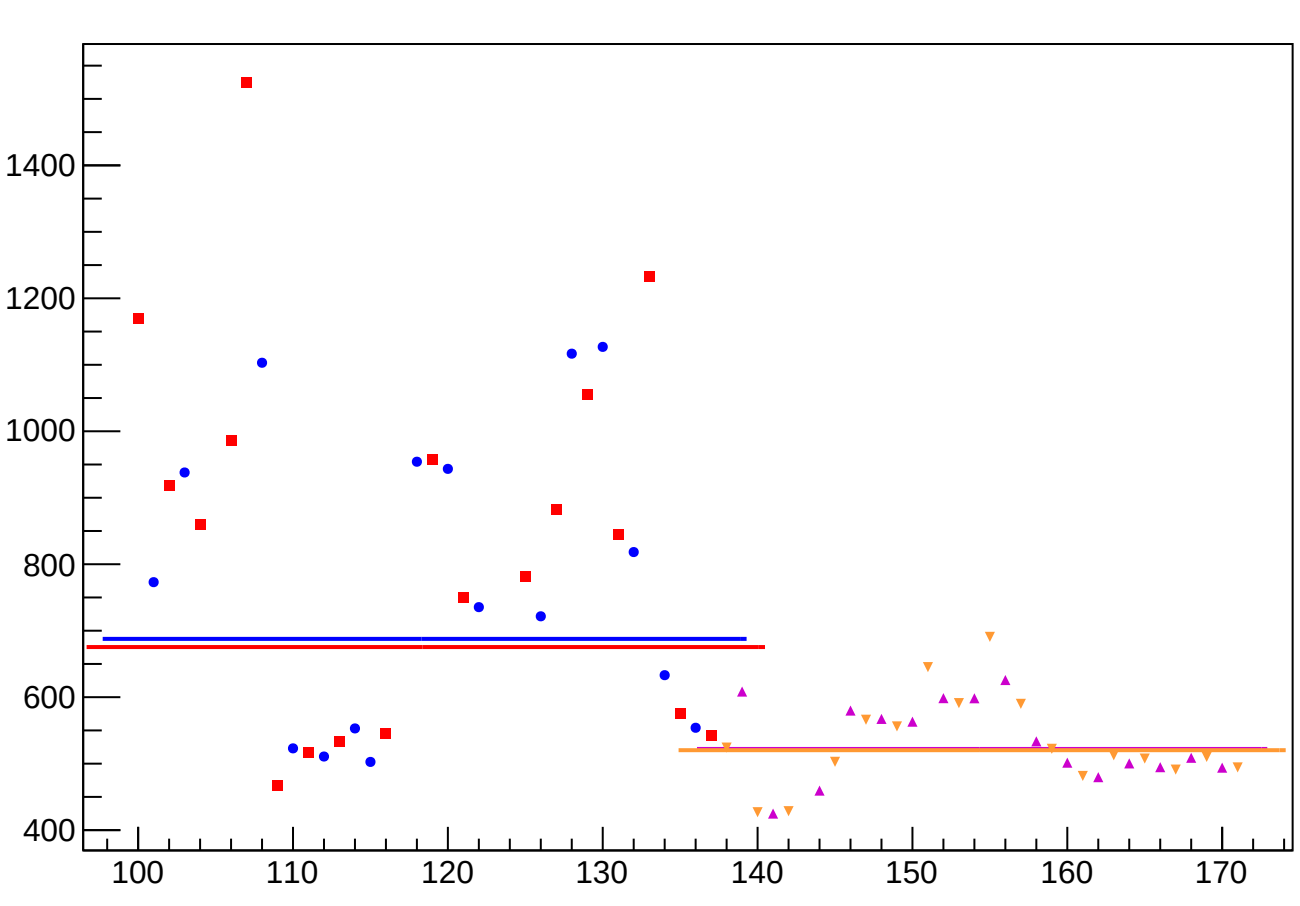
Left: -311.978+/-101.860 χ^2/NDF: 79.4/32

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

In: -94.497+/-127.244 χ^2/NDF:39.5/31

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

All: -219.619+/-89.476 χ^2/NDF: 123.8/66



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: 522.118+/-0.102 χ^2/NDF:326809.3/15

Left: 521.180+/-0.072 χ^2/NDF: 698581.5/32

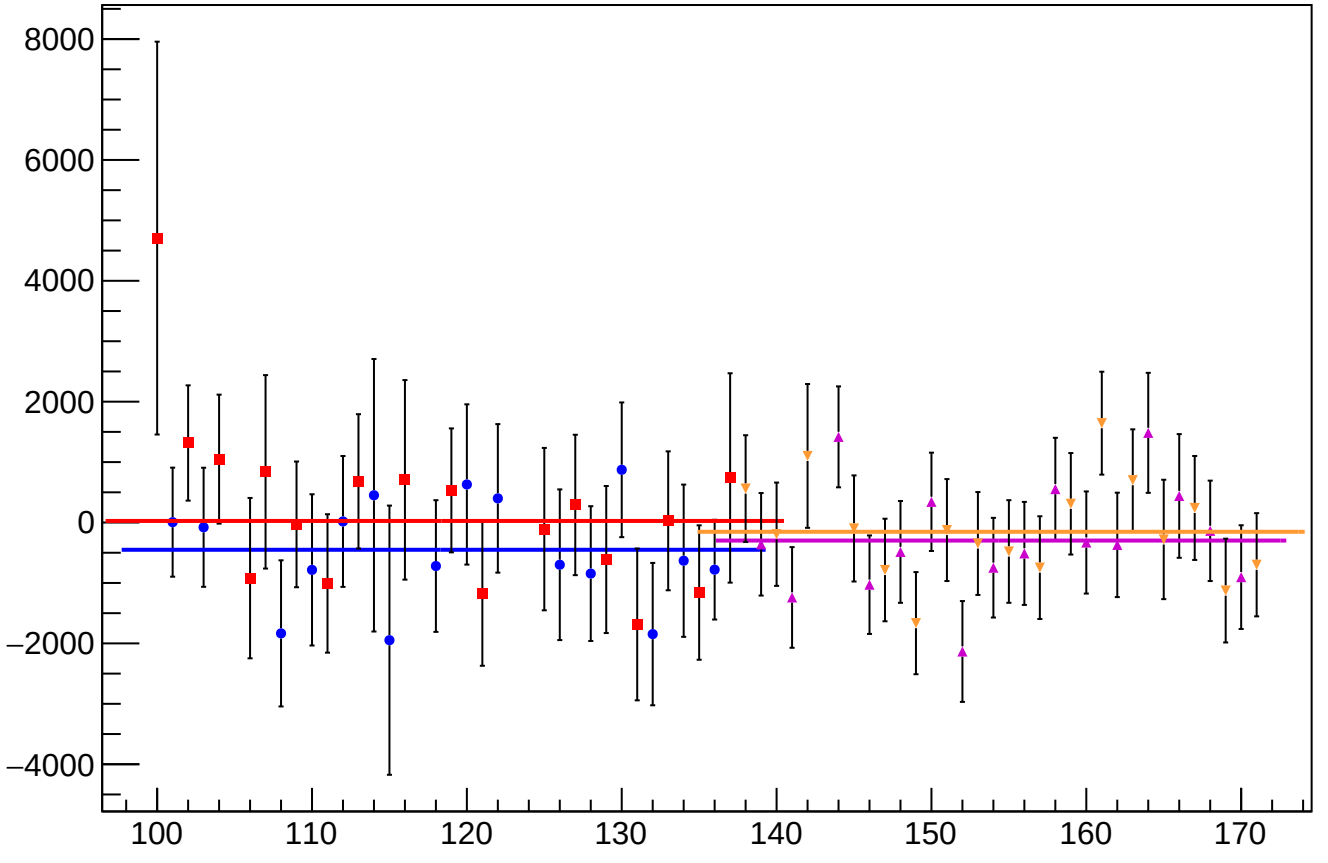
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 559.813+/-0.090 χ^2/NDF:1954282.1/31

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

All: 557.789+/-0.063 χ^2/NDF: 4176811.7/66

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: -298.365+/-213.793 χ^2/NDF:17.5/15

Left: -224.983+/-150.425 χ^2/NDF: 31.6/32

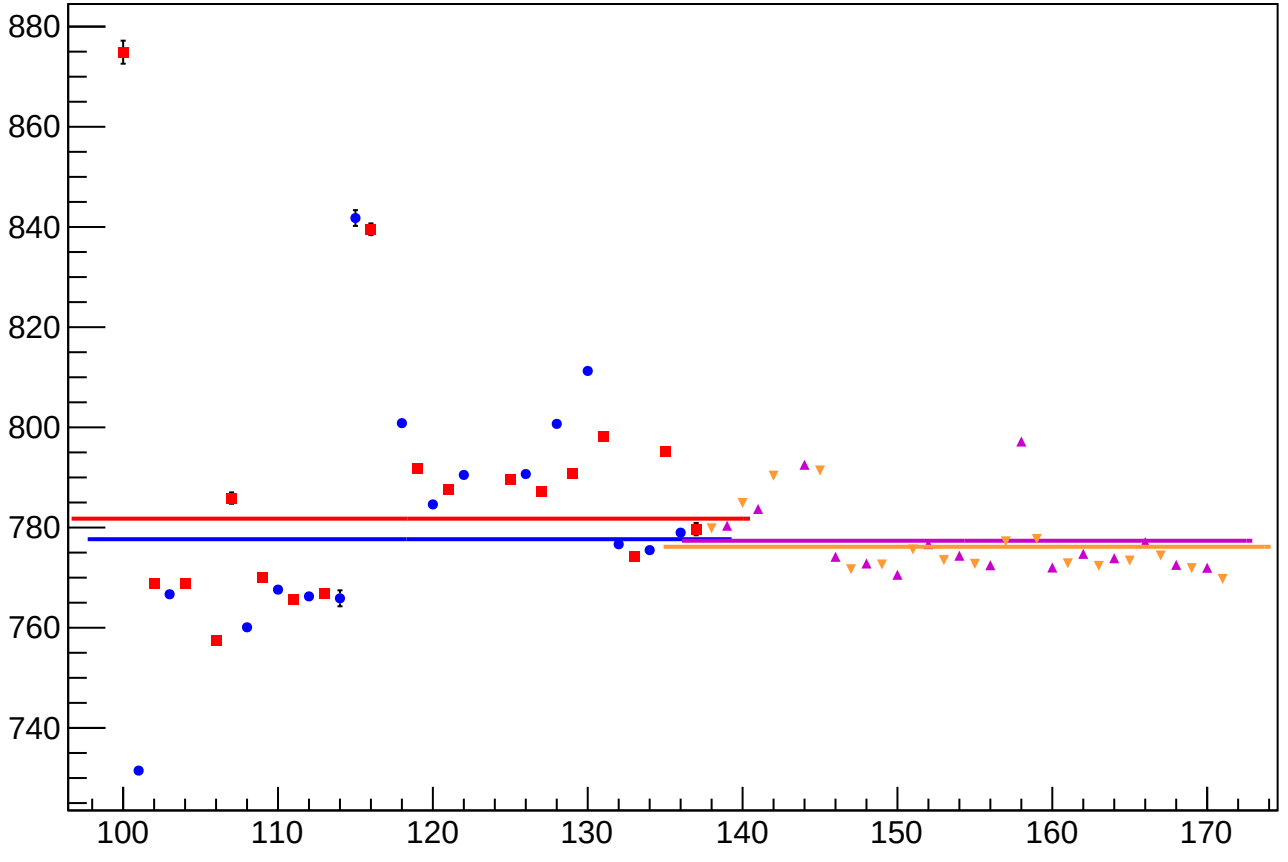
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -352.346+/-171.864 χ^2/NDF:24.6/31

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

All: -220.308+/-121.072 χ^2/NDF: 51.6/66

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: 777.365+/-0.151 χ^2/NDF:2481.4/15

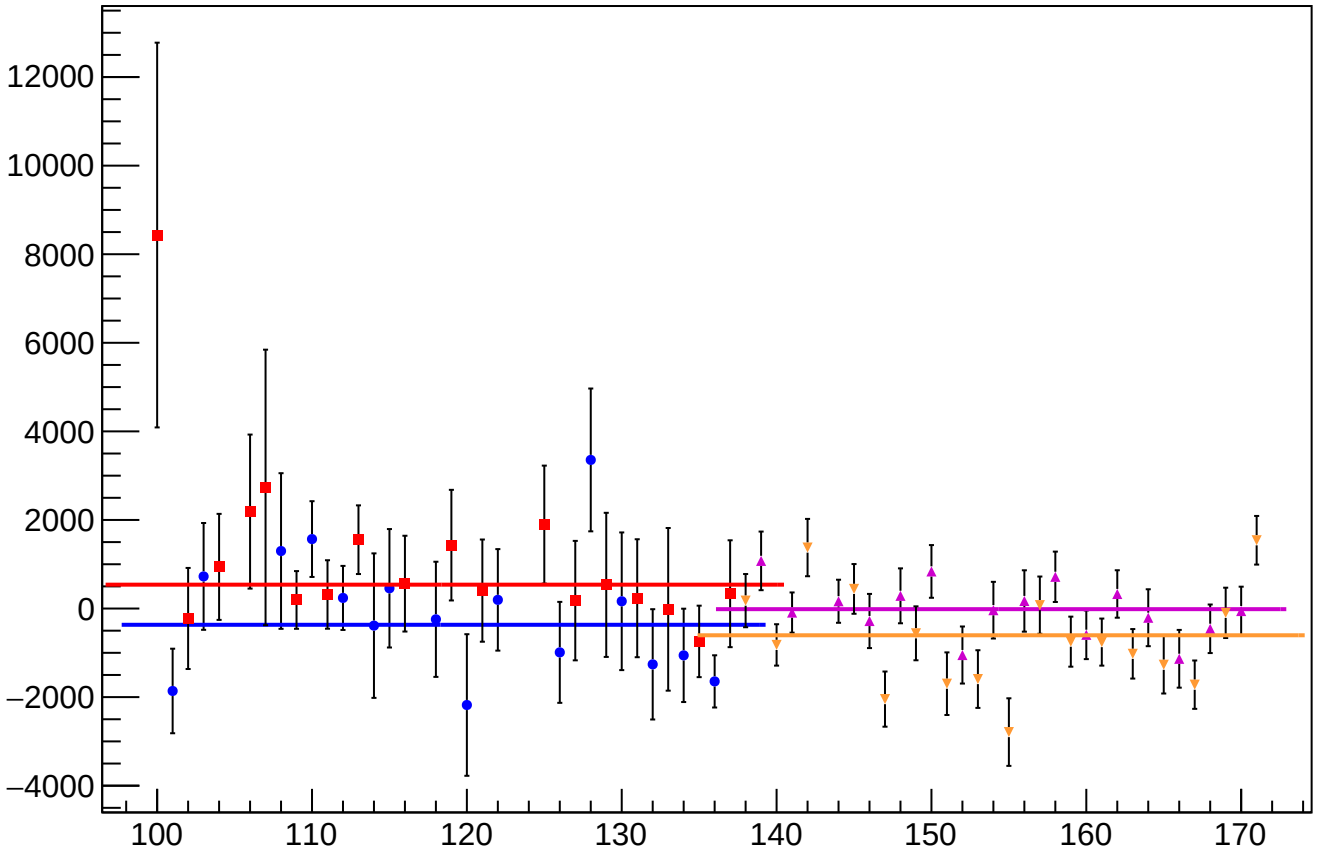
Left: 776.758+/-0.106 χ^2/NDF: 4054.6/32

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

In: 777.474+/-0.122 χ^2/NDF:14538.3/31

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

All: 777.805+/-0.086 χ^2/NDF: 24213.8/66



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: -14.183+/-144.785 χ^2/NDF:14.9/15

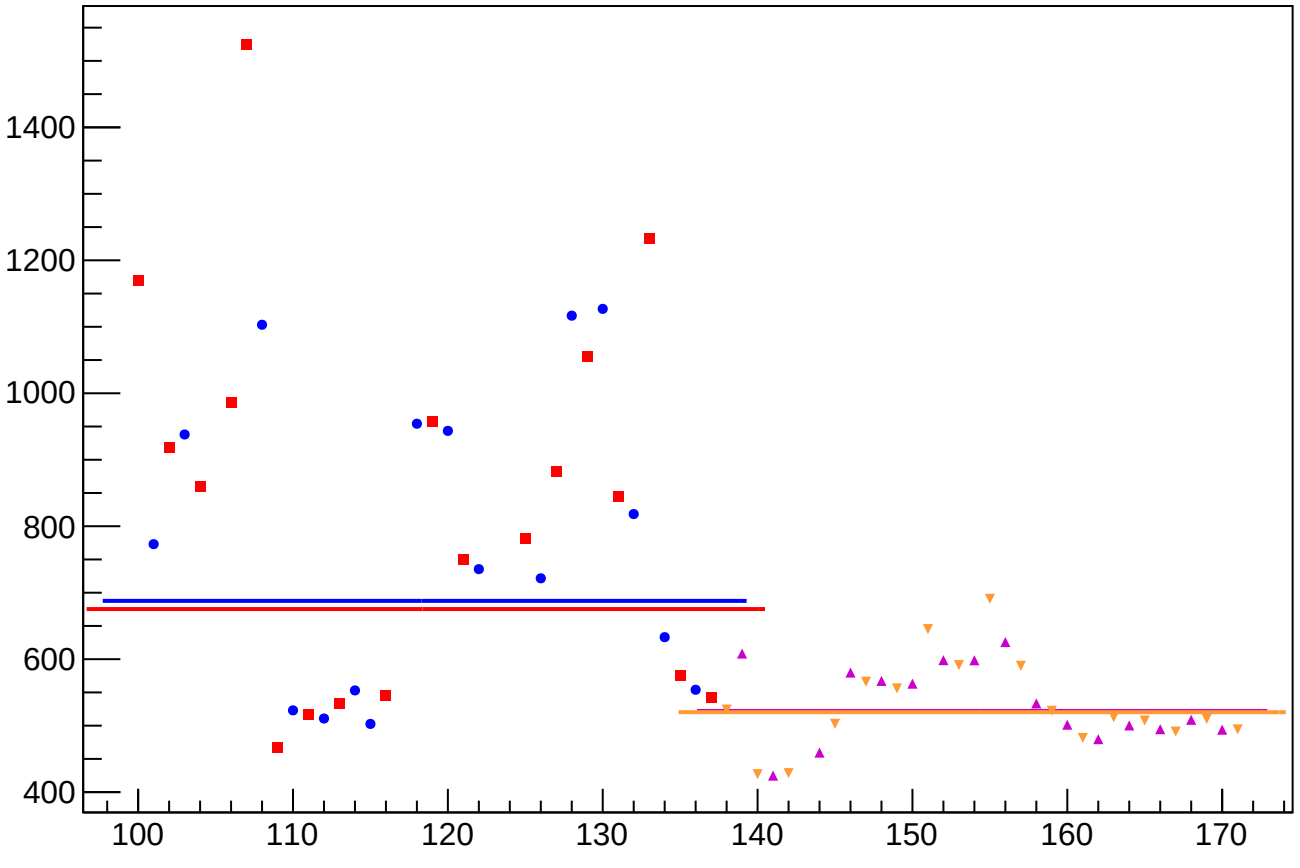
Left: -311.978+/-101.860 χ^2/NDF: 79.4/32

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

In: -94.497+/-127.244 χ^2/NDF:39.5/31

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

All: -219.619+/-89.476 χ^2/NDF: 123.8/66



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: 522.118+/-0.102 χ^2/NDF:326809.3/15

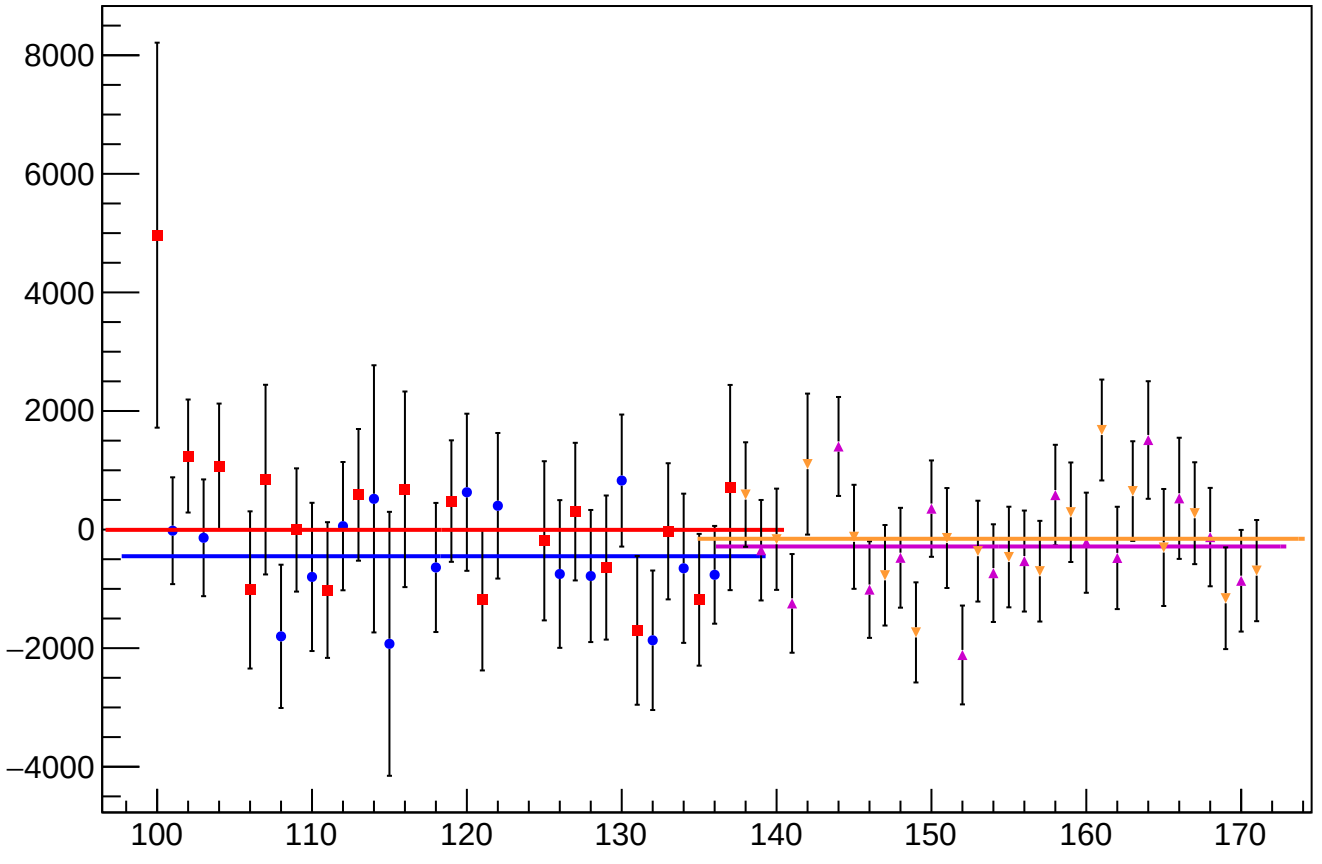
Left: 521.180+/-0.072 χ^2/NDF: 698581.5/32

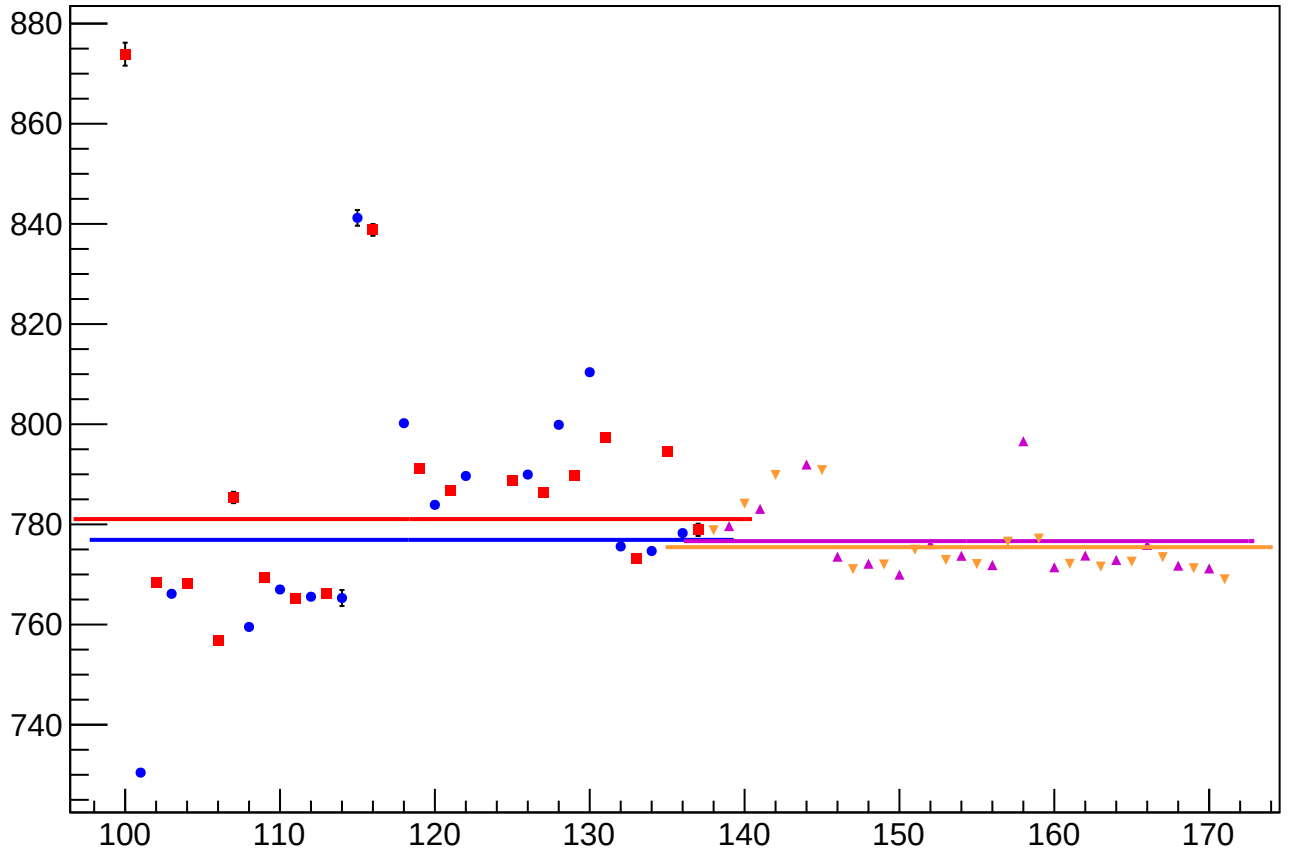
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 559.813+/-0.090 χ^2/NDF:1954282.1/31

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

All: 557.789+/-0.063 χ^2/NDF: 4176811.7/66


overload_cor_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: -449.430+/-288.668 χ²/NDF: 6.8/15
Left Out: -155.267+/-211.495 χ²/NDF:14.4/16
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -285.073+/-213.600 χ²/NDF:17.6/15
Left: -219.527+/-150.288 χ²/NDF: 32.1/32
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -343.224+/-171.705 χ²/NDF:24.6/31
Out: -102.453+/-170.429 χ²/NDF:26.4/34
All: -221.941+/-120.960 χ²/NDF: 51.9/66



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: 776.663+/-0.151 χ^2/NDF:2514.0/15

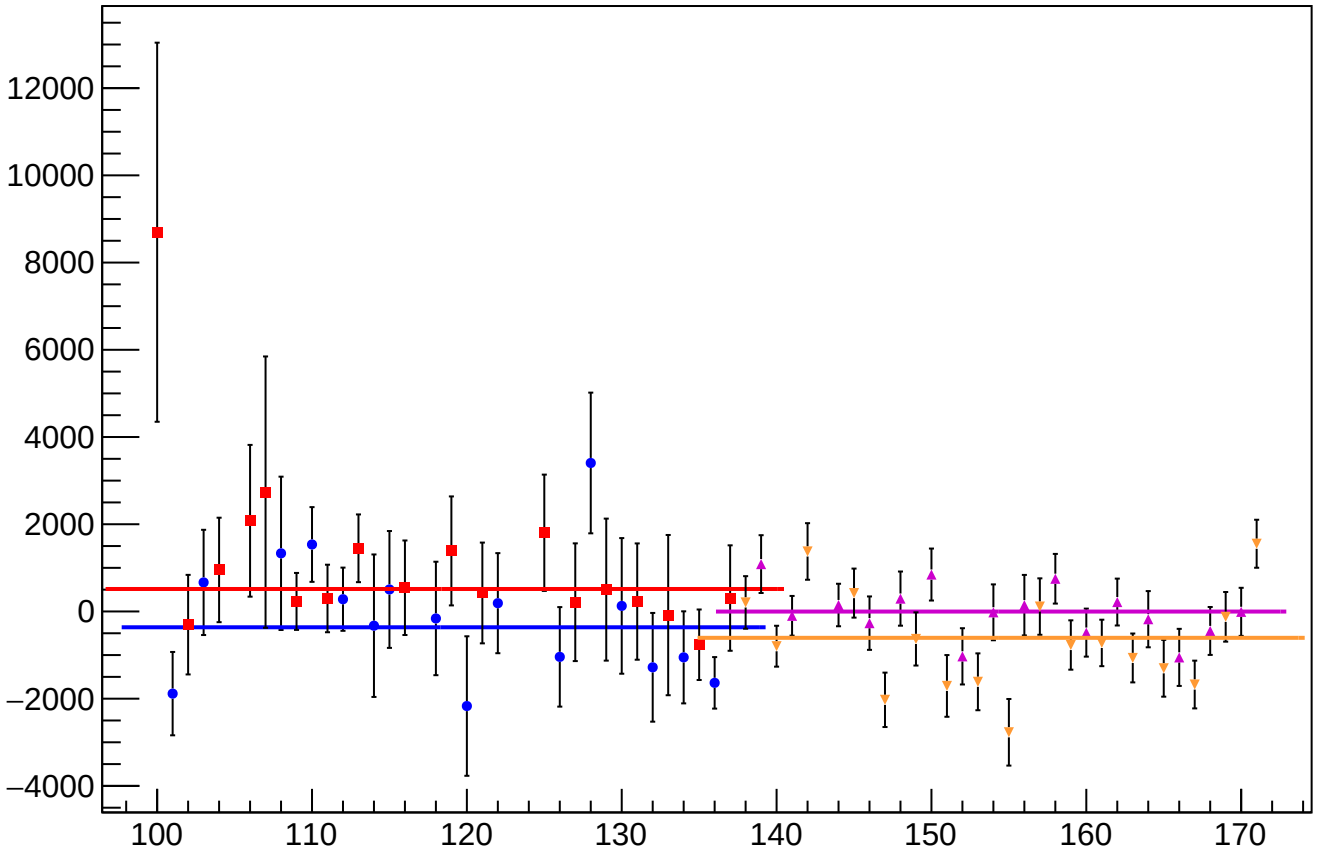
Left: 776.052+/-0.106 χ^2/NDF: 4102.9/32

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

In: 776.751+/-0.121 χ^2/NDF:14638.6/31

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

All: 777.088+/-0.086 χ^2/NDF: 24289.1/66



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: -2.365+/-145.094 χ^2/NDF:13.9/15

Left: -306.529+/-102.079 χ^2/NDF: 78.3/32

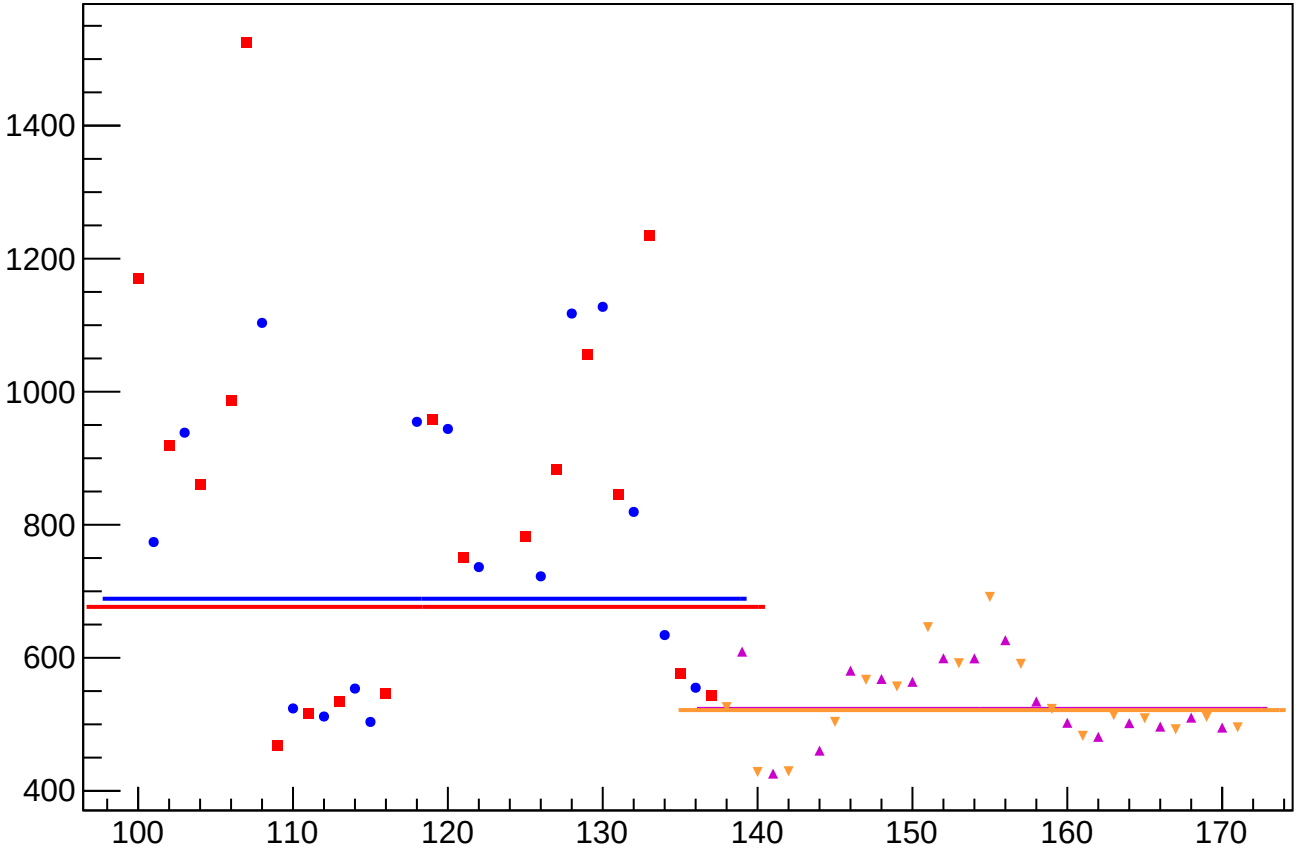
Right: 82.506+/-187.506 χ^2/NDF: 40.2/33

In: -84.500+/-127.495 χ^2/NDF:38.6/31

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

All: -217.588+/-89.655 χ^2/NDF: 121.9/66

asym_us_dd_overload_cor_correction_rms vs Slug, Sign Corrected



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: 523.270+/-0.103 χ^2/NDF:323790.3/15

Left: 522.342+/-0.072 χ^2/NDF: 692348.0/32

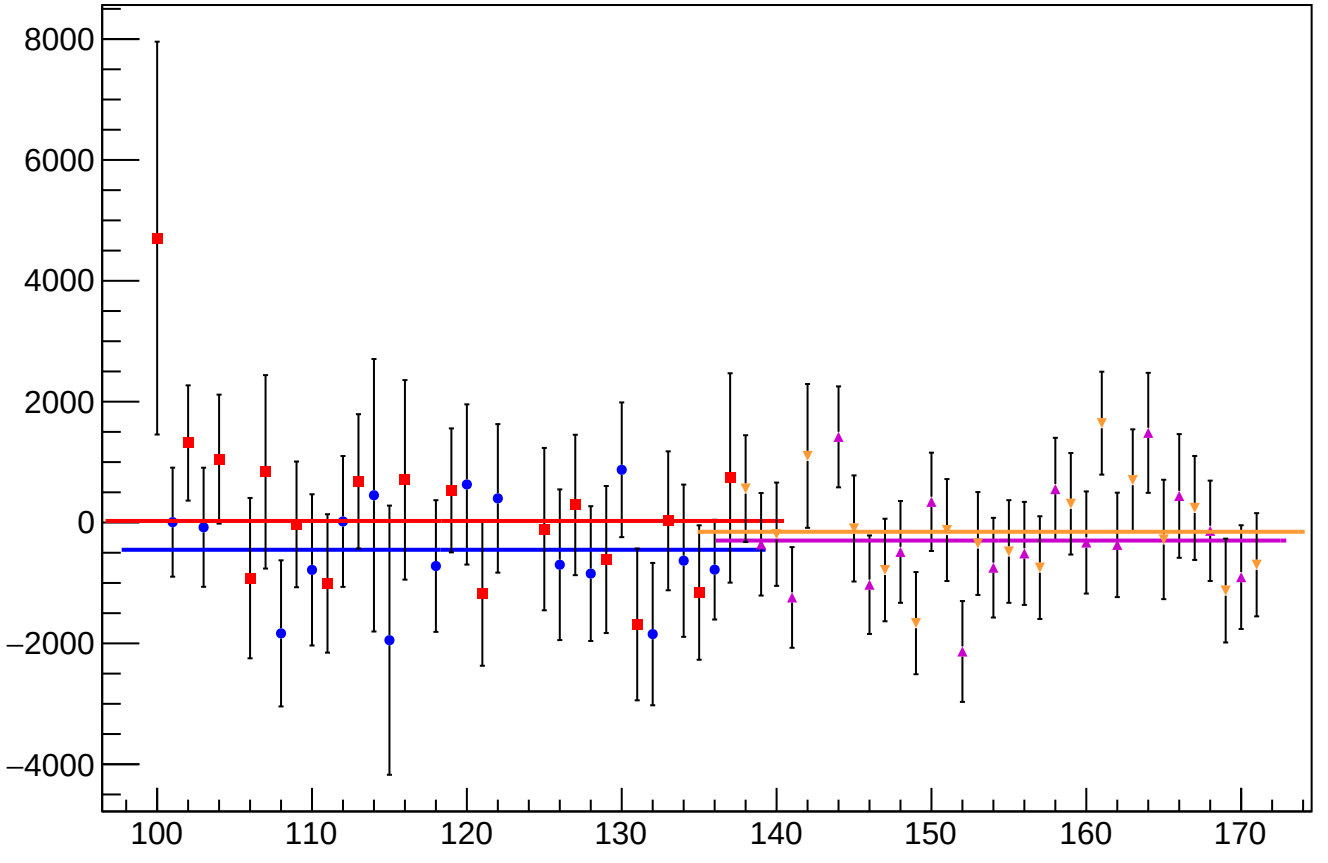
Right: 682.613+/-0.133 χ^2/NDF: 2338290.5/33

In: 560.996+/-0.090 χ^2/NDF:1945273.9/31

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

All: 558.983+/-0.063 χ^2/NDF: 4157771.0/66

eigen_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: -298.365+/-213.793 χ^2/NDF:17.5/15

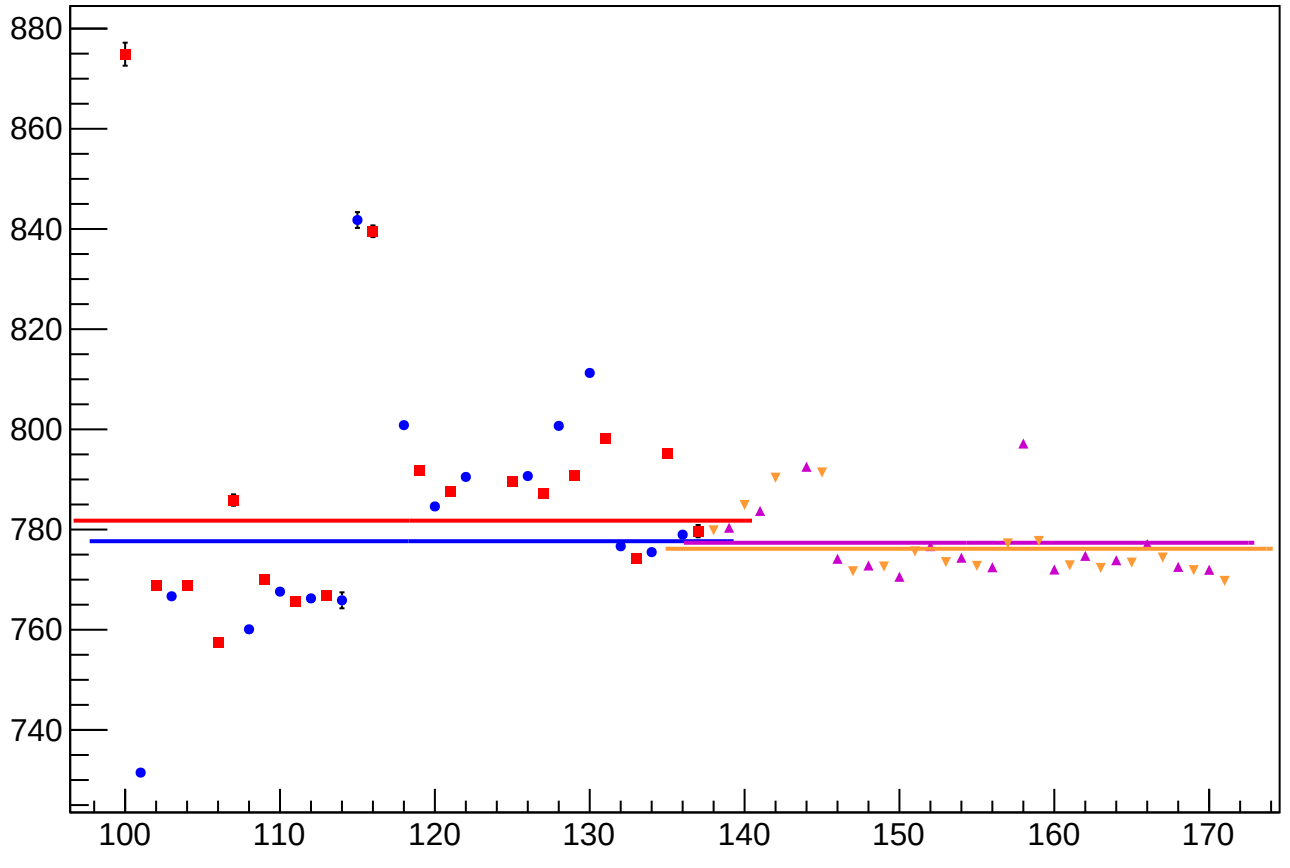
Left: -224.983+/-150.425 χ^2/NDF: 31.6/32

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

In: -352.346+/-171.864 χ^2/NDF:24.6/31

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

All: -220.308+/-121.072 χ^2/NDF: 51.6/66



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: 777.365+/-0.151 χ^2/NDF:2481.4/15

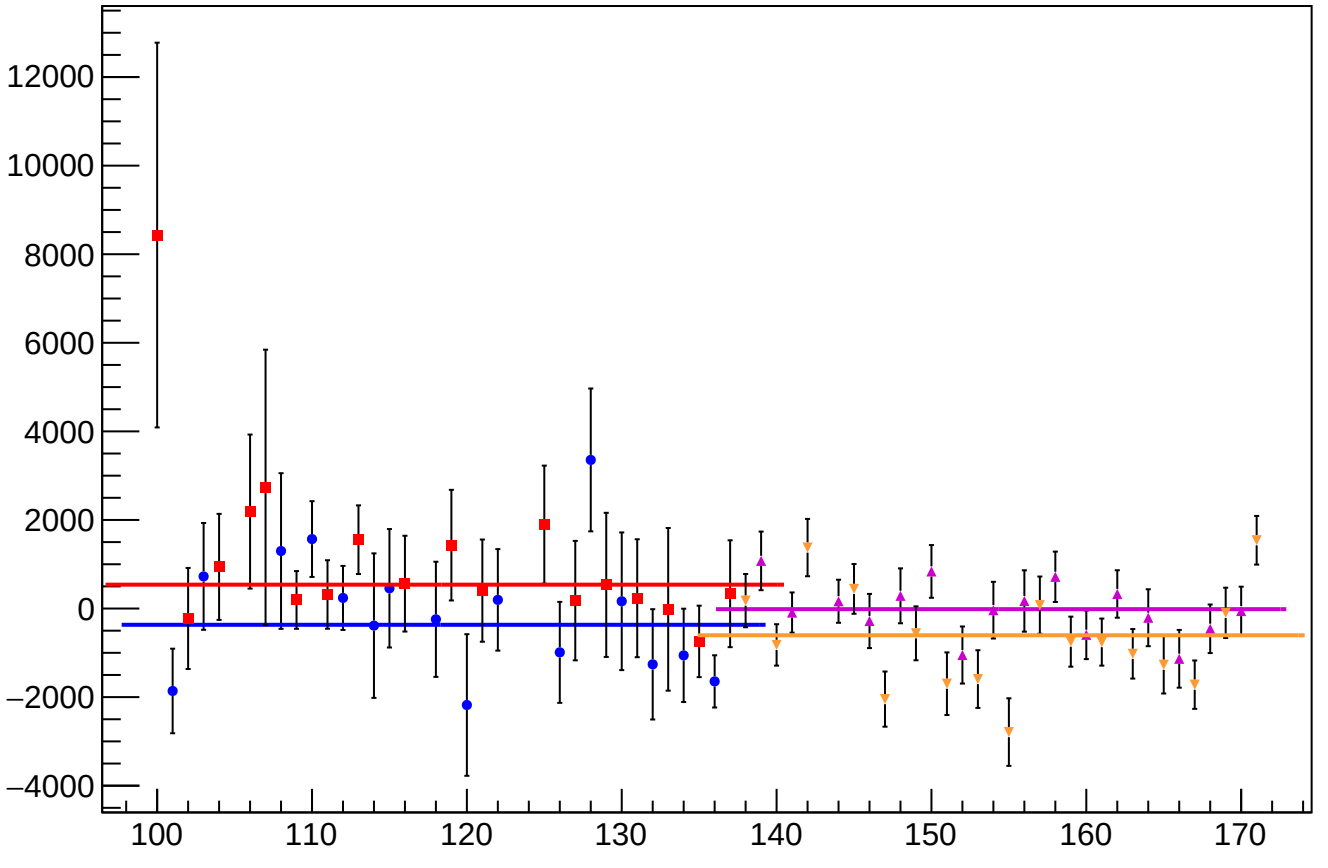
Left: 776.758+/-0.106 χ^2/NDF: 4054.6/32

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

In: 777.474+/-0.122 χ^2/NDF:14538.3/31

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

All: 777.805+/-0.086 χ^2/NDF: 24213.8/66



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: -14.183+/-144.785 χ^2/NDF:14.9/15

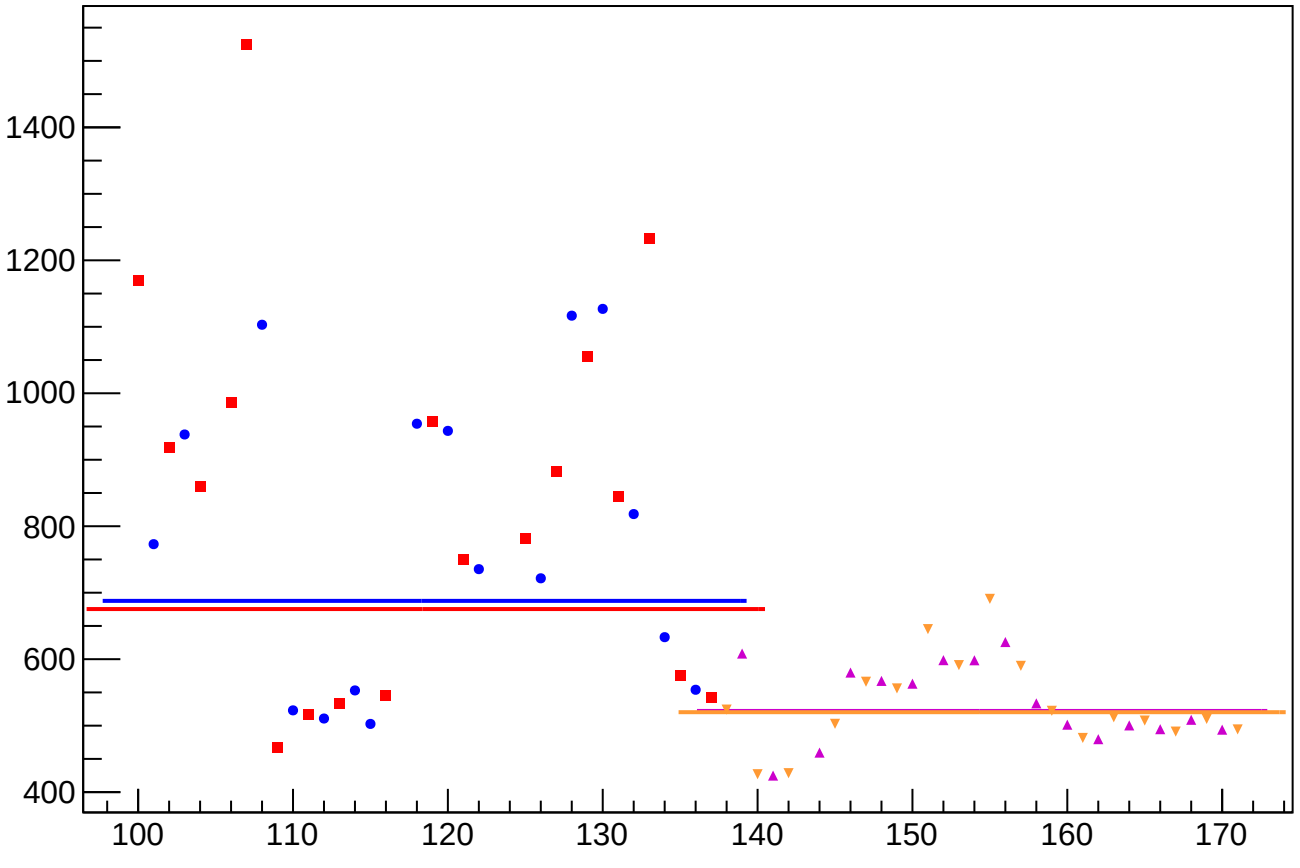
Left: -311.978+/-101.860 χ^2/NDF: 79.4/32

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

In: -94.497+/-127.244 χ^2/NDF:39.5/31

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

All: -219.619+/-89.476 χ^2/NDF: 123.8/66



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: 522.118+/-0.102 χ^2/NDF:326809.3/15

Left: 521.180+/-0.072 χ^2/NDF: 698581.5/32

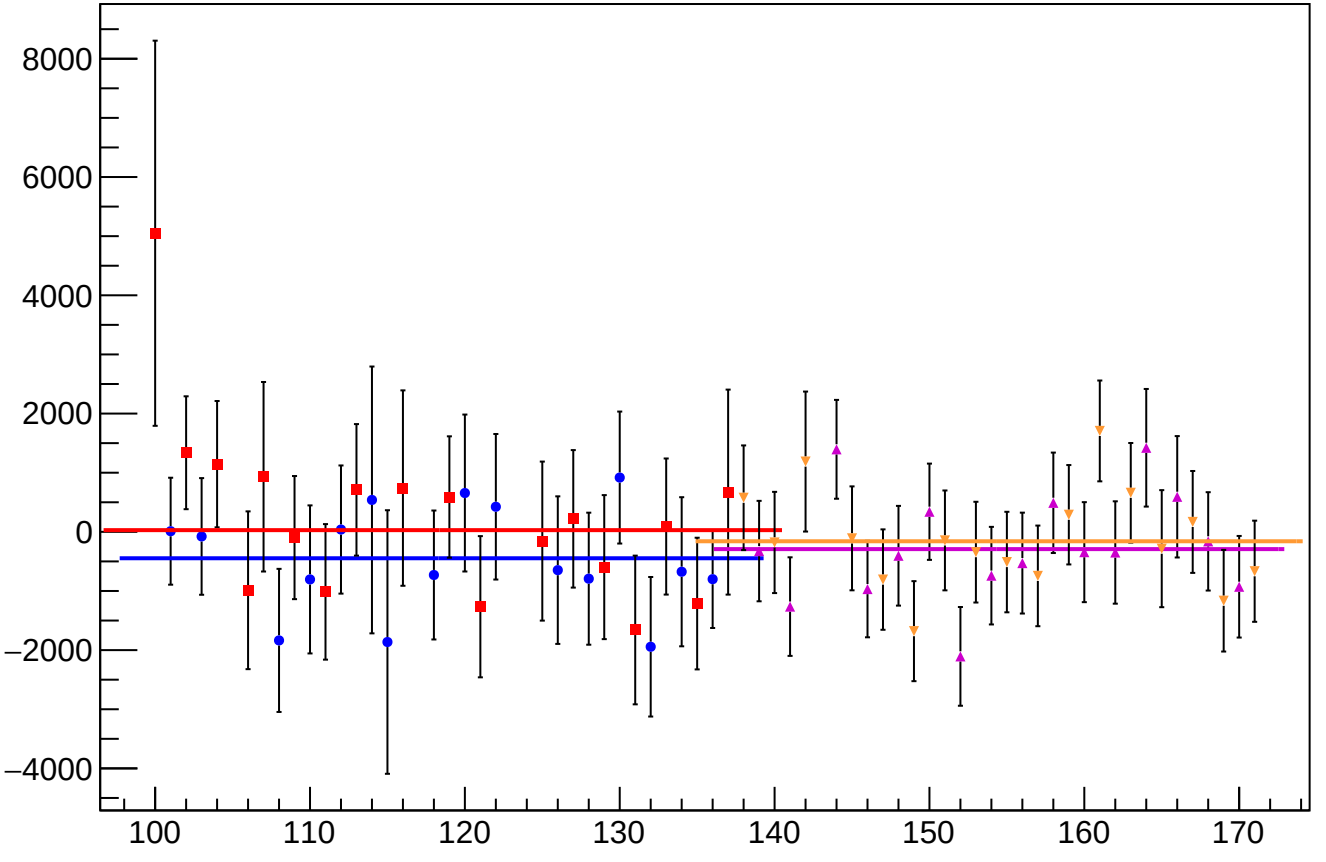
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 559.813+/-0.090 χ^2/NDF:1954282.1/31

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

All: 557.789+/-0.063 χ^2/NDF: 4176811.7/66

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -159.306+/-211.875 χ^2/NDF:14.4/16

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

Left In: -291.891+/-214.002 χ^2/NDF:17.0/15

Left: -224.936+/-150.565 χ^2/NDF: 31.6/32

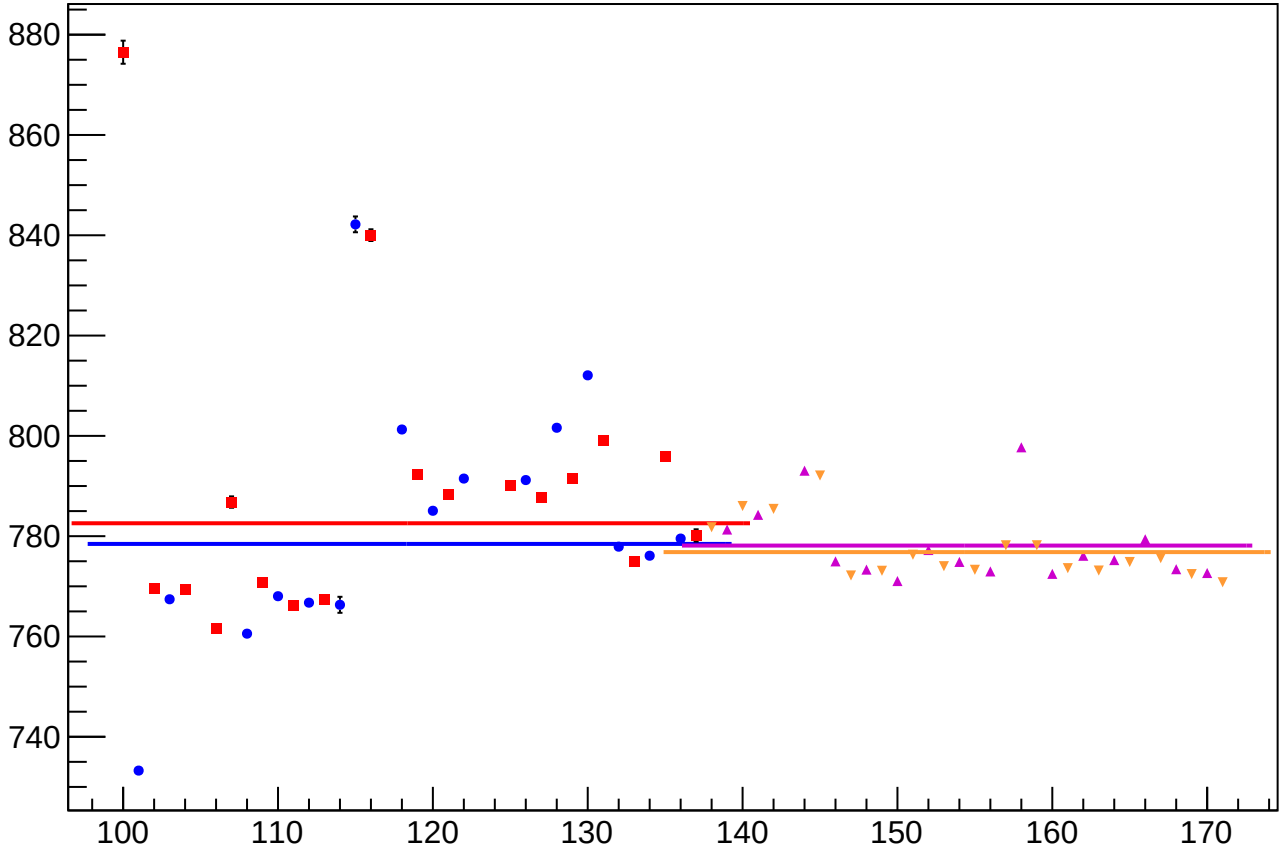
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -346.642+/-172.034 χ^2/NDF:24.5/31

Out: -93.365+/-170.744 χ^2/NDF:27.3/34

All: -219.050+/-121.188 χ^2/NDF: 52.9/66

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: 778.127+/-0.151 χ^2/NDF:2456.9/15

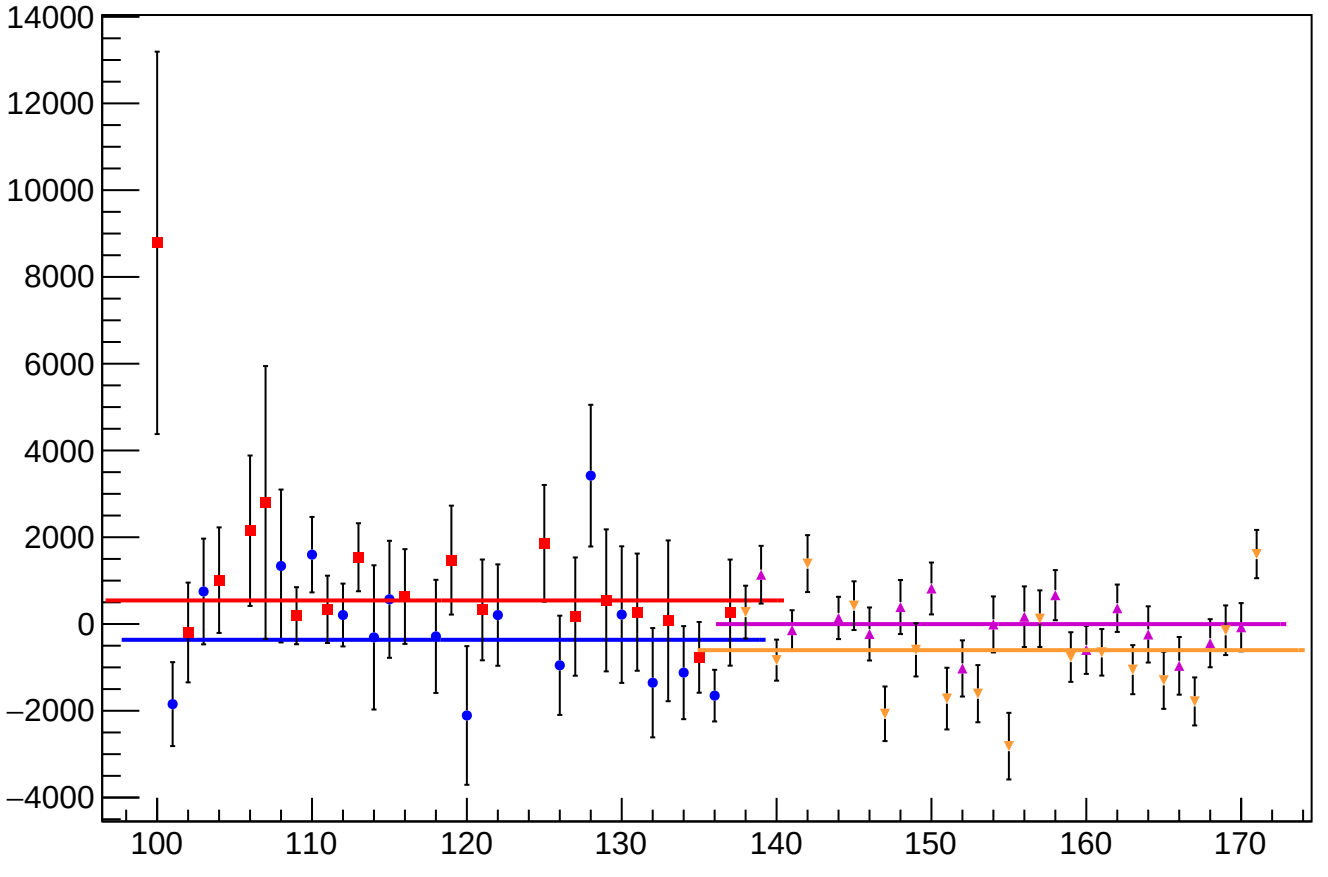
Left: 777.470+/-0.106 χ^2/NDF: 3893.6/32

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

In: 778.243+/-0.122 χ^2/NDF:14253.8/31

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

All: 778.544+/-0.086 χ^2/NDF: 23663.1/66



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: -2.400+/-146.122 χ^2/NDF:13.9/15

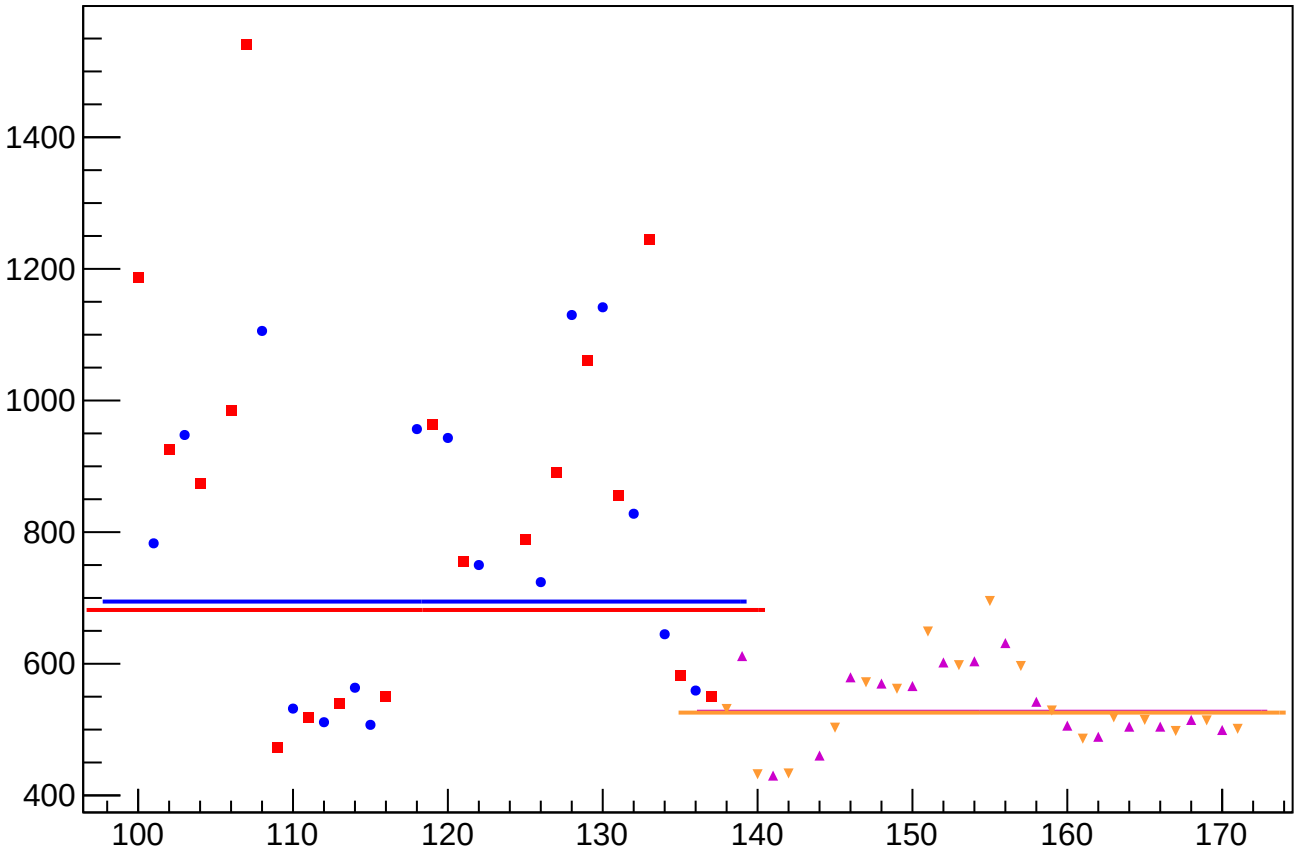
Left: -305.331+/-102.864 χ^2/NDF: 79.9/32

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

In: -84.634+/-128.435 χ^2/NDF:38.6/31

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

All: -213.541+/-90.348 χ^2/NDF: 124.2/66



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: 527.134+/-0.103 χ^2/NDF:315833.2/15

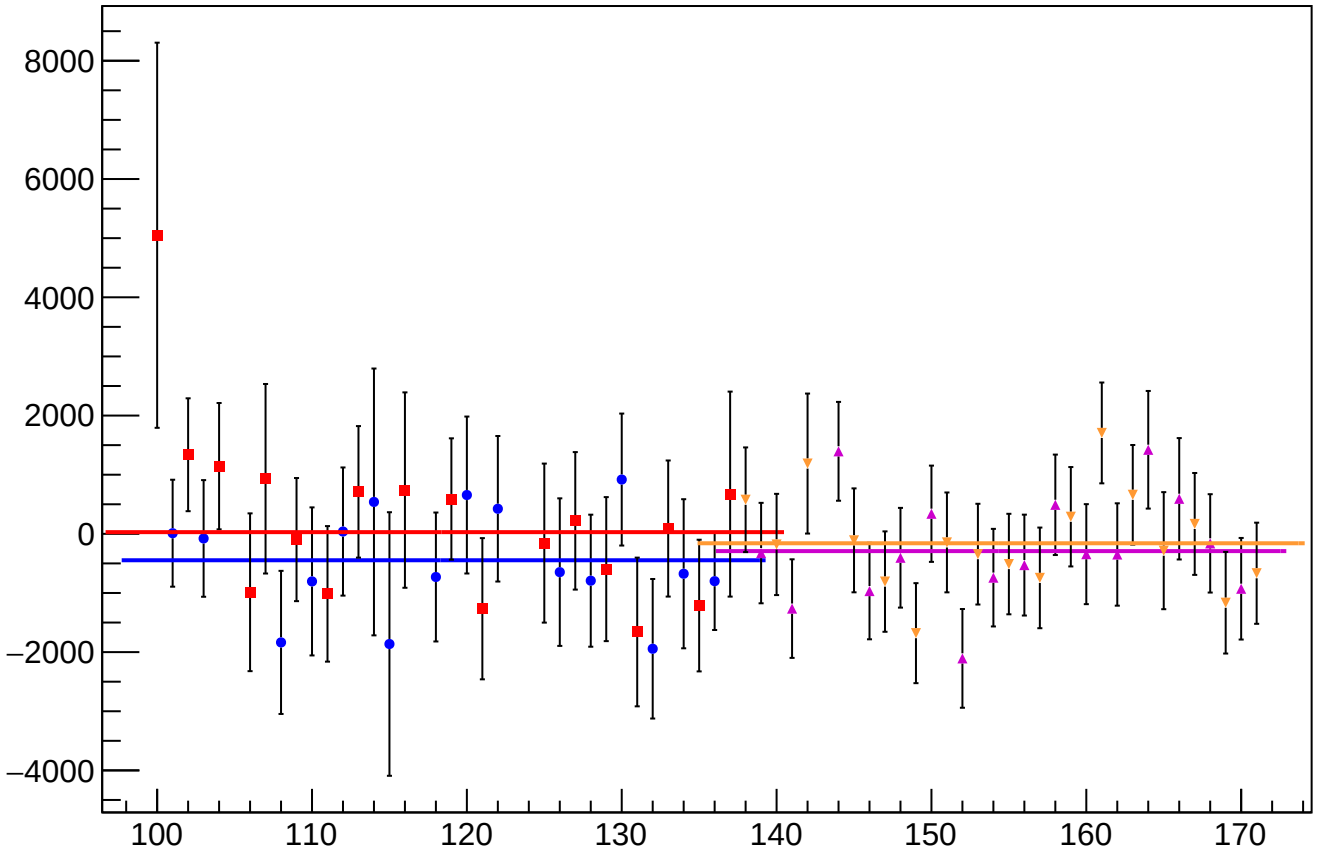
Left: 526.461+/-0.073 χ^2/NDF: 682101.9/32

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

In: 565.203+/-0.091 χ^2/NDF:1942612.5/31

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

All: 563.387+/-0.064 χ^2/NDF: 4153361.9/66



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: -291.890+/-214.002 χ^2/NDF:17.0/15

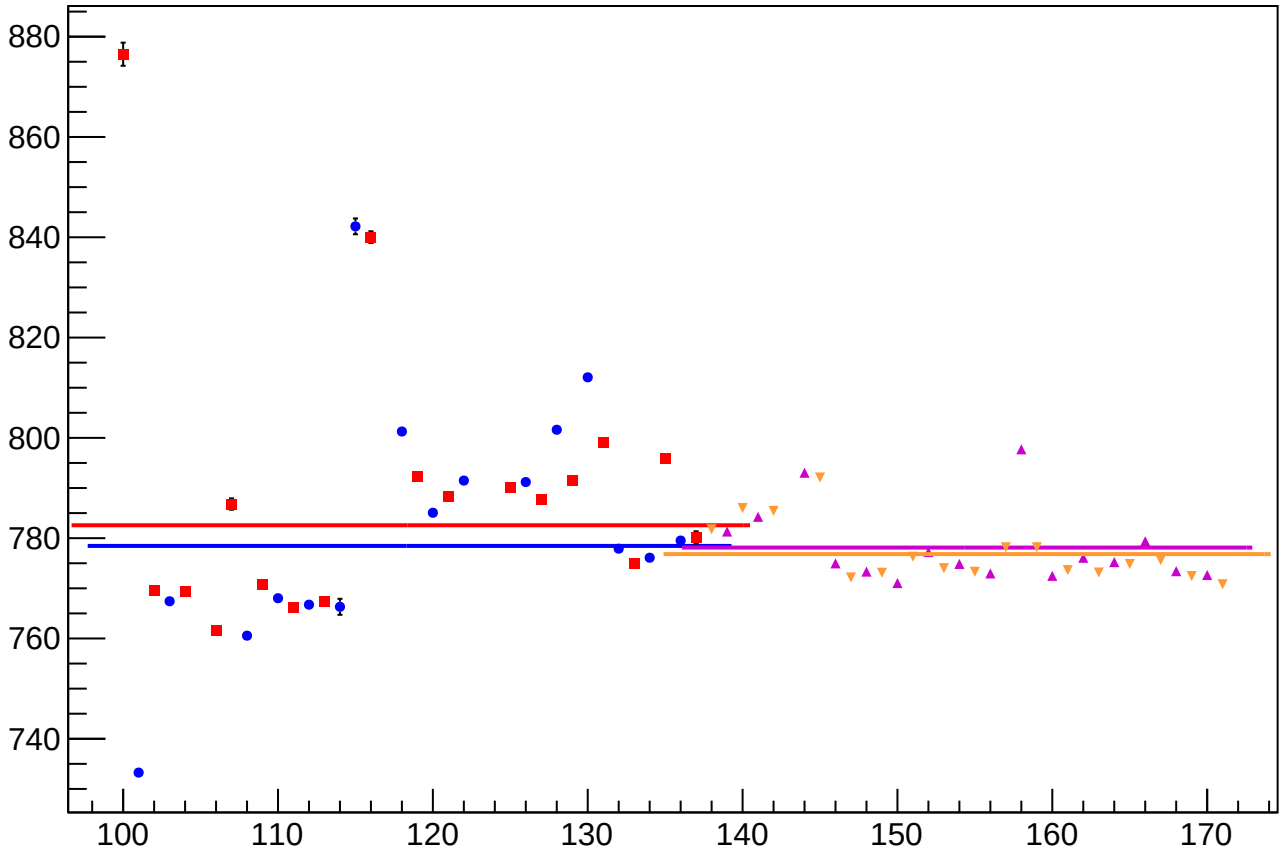
Left: -224.937+/-150.565 χ^2/NDF: 31.6/32

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

In: -346.642+/-172.034 χ^2/NDF:24.5/31

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

All: -219.051+/-121.188 χ^2/NDF: 52.9/66



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: 778.127+/-0.151 χ^2/NDF:2456.9/15

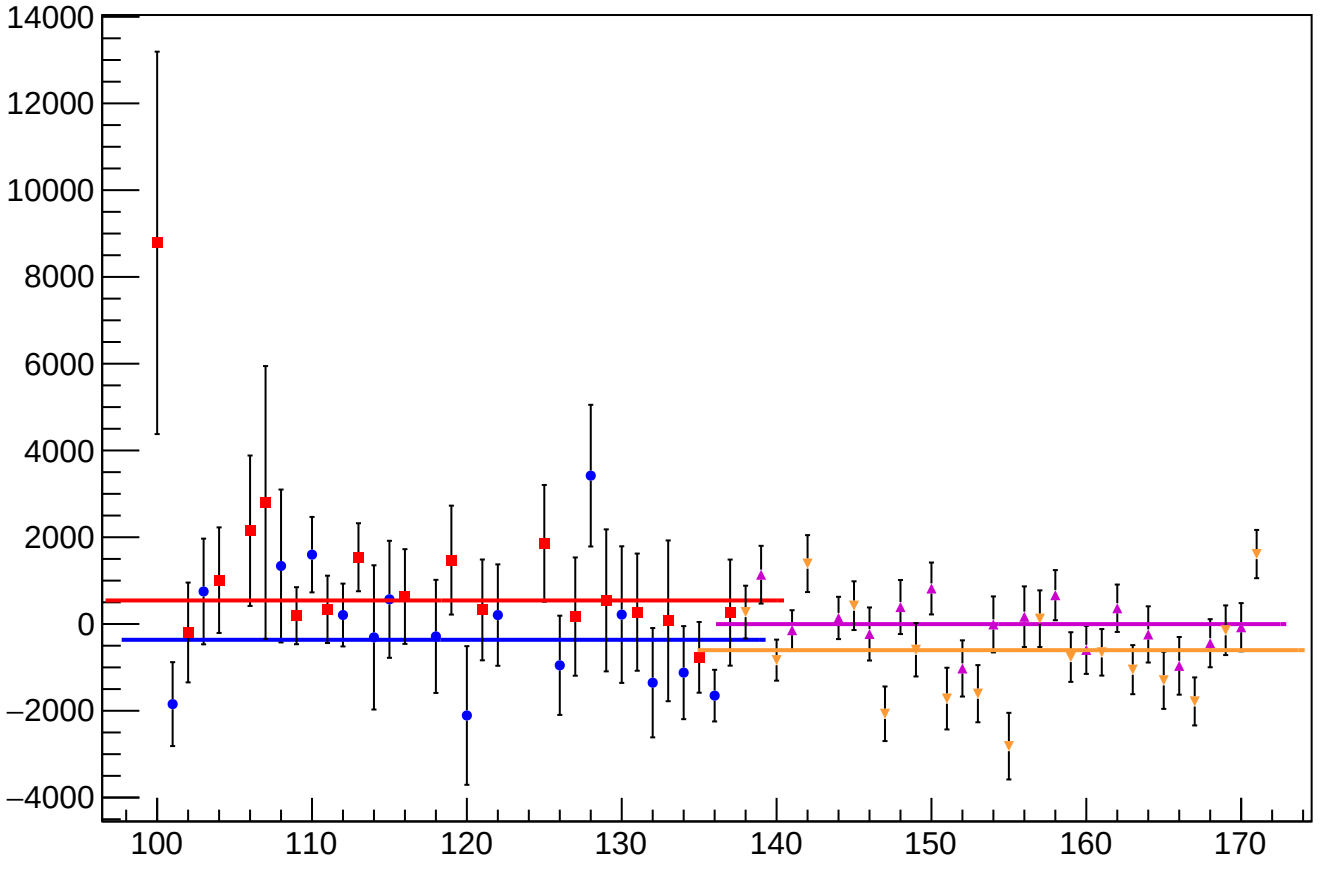
Left: 777.470+/-0.106 χ^2/NDF: 3893.6/32

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

In: 778.243+/-0.122 χ^2/NDF:14253.7/31

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

All: 778.544+/-0.086 χ^2/NDF: 23663.0/66



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: -2.401+/-146.122 χ^2/NDF:13.9/15

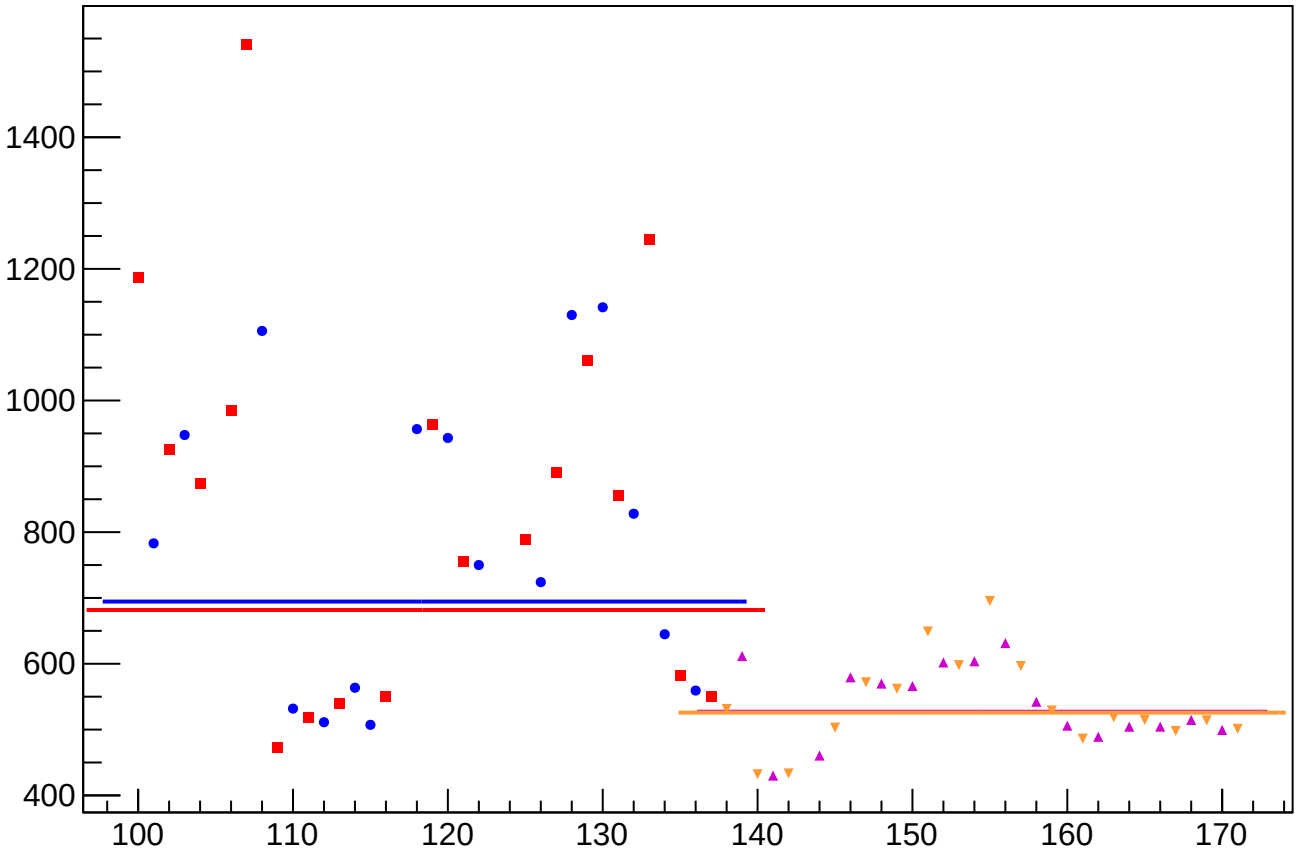
Left: -305.332+/-102.864 χ^2/NDF: 79.9/32

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

In: -84.634+/-128.435 χ^2/NDF:38.6/31

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

All: -213.540+/-90.348 χ^2/NDF: 124.2/66



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: 527.134+/-0.103 χ^2/NDF:315846.0/15

Left: 526.461+/-0.073 χ^2/NDF: 682127.1/32

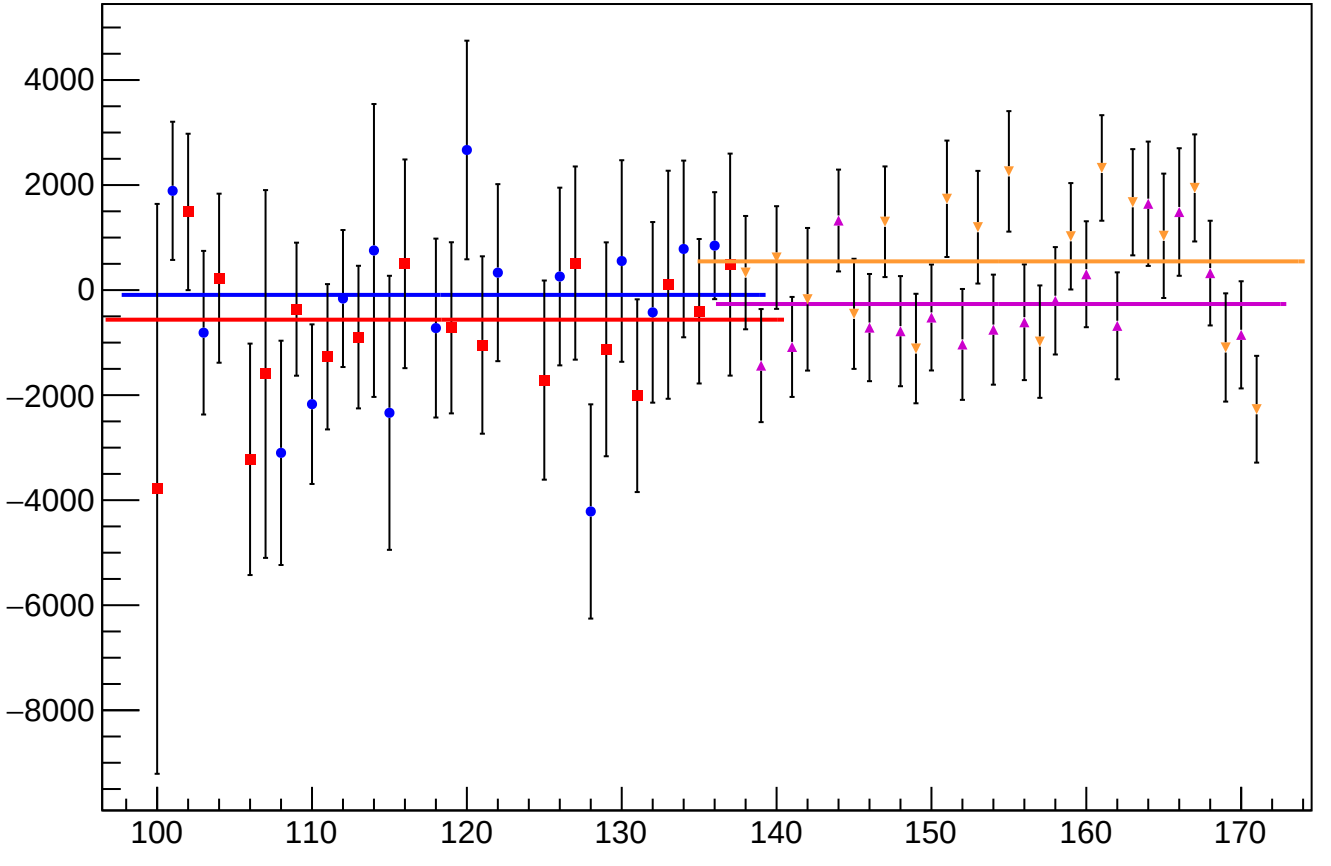
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 565.202+/-0.091 χ^2/NDF:1942615.7/31

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

All: 563.387+/-0.064 χ^2/NDF: 4153377.9/66

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: -265.116+/-260.140 χ^2/NDF:11.8/15

Left: 144.179+/-183.192 χ^2/NDF: 43.6/32

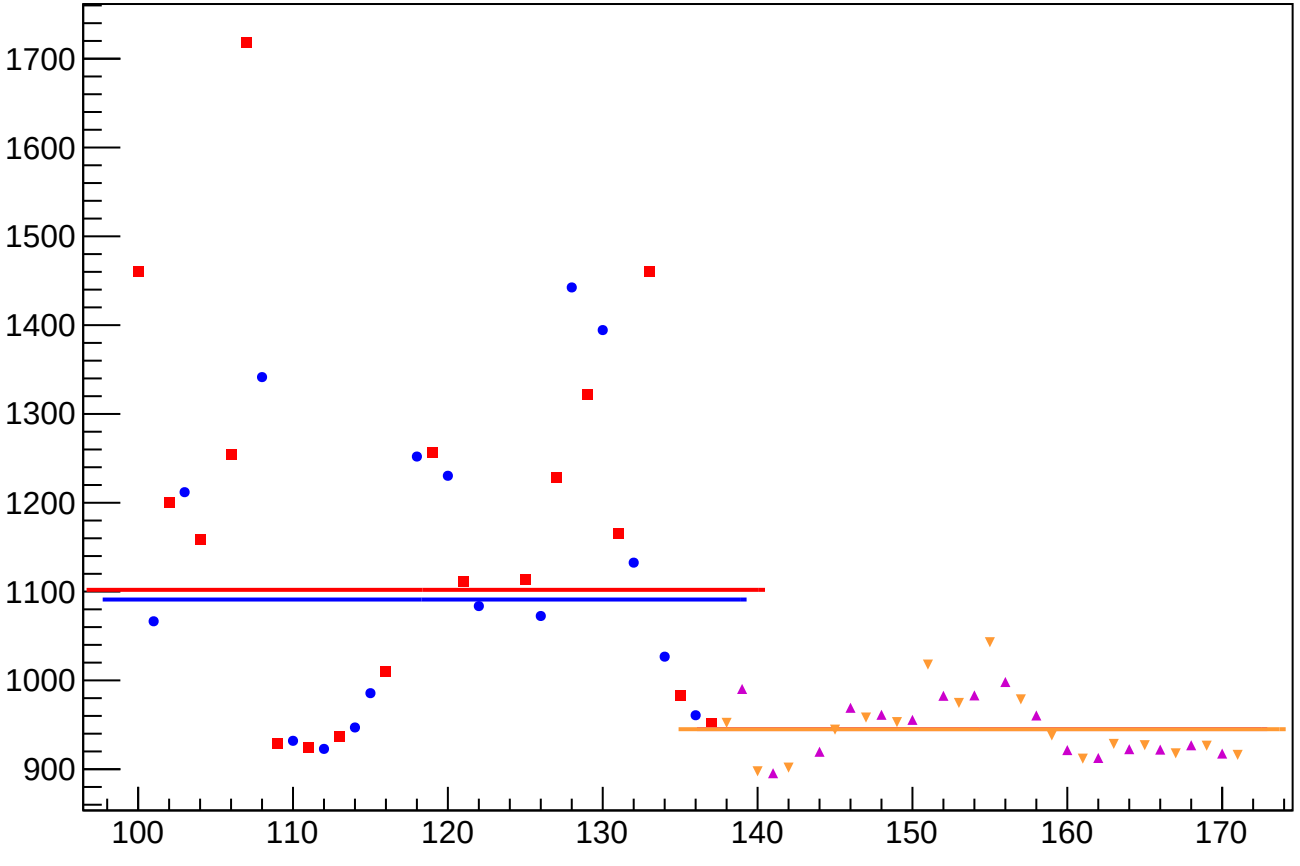
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -215.220+/-219.650 χ^2/NDF:26.5/31

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

All: 10.263+/-154.947 χ^2/NDF: 67.2/66

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: 945.202+/-0.184 χ^2/NDF:29090.4/15

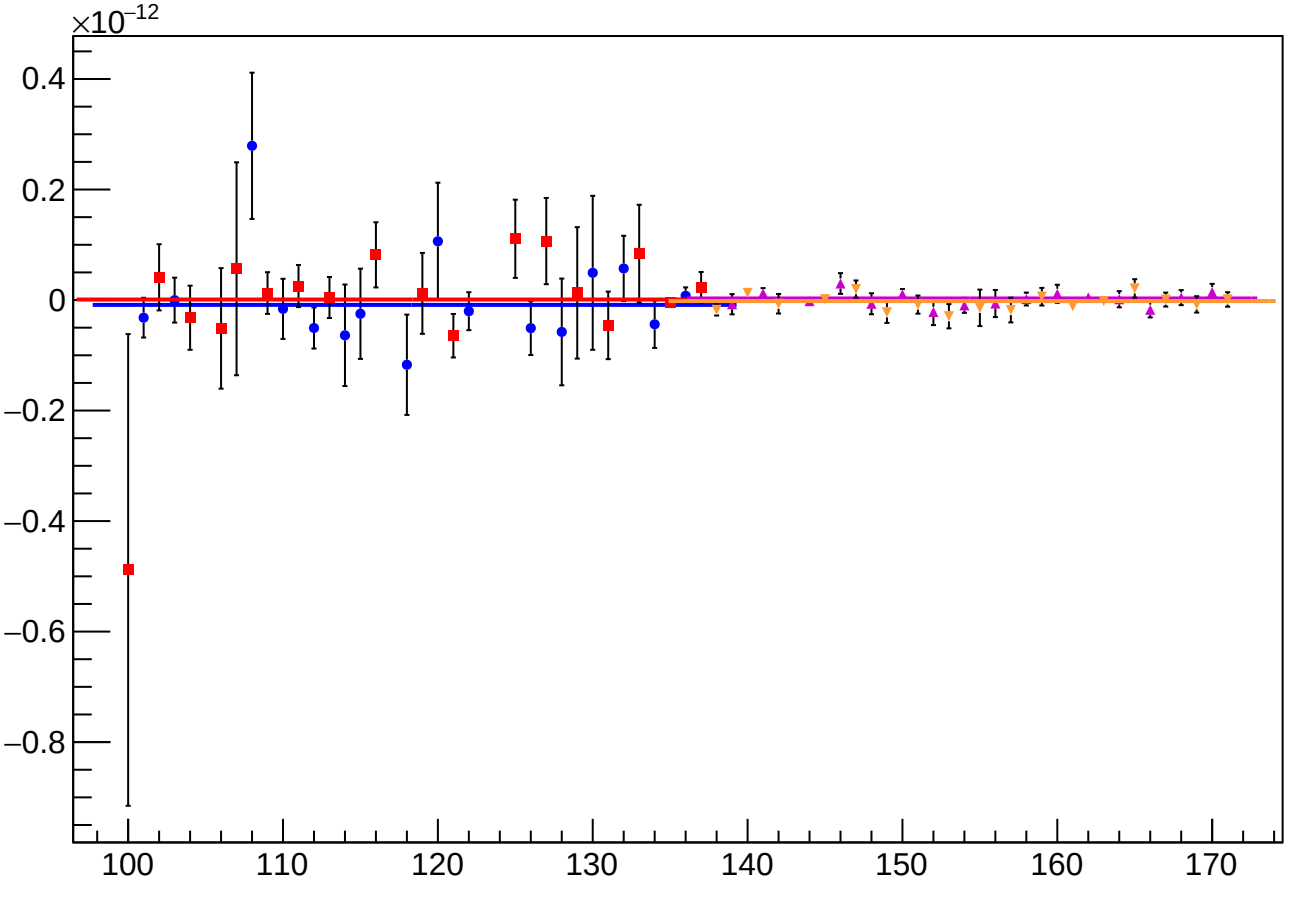
Left: 945.118+/-0.130 χ^2/NDF: 69976.8/32

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

In: 987.068+/-0.155 χ^2/NDF:486842.8/31

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

All: 988.193+/-0.110 χ^2/NDF: 1064648.0/66



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:9.7/15

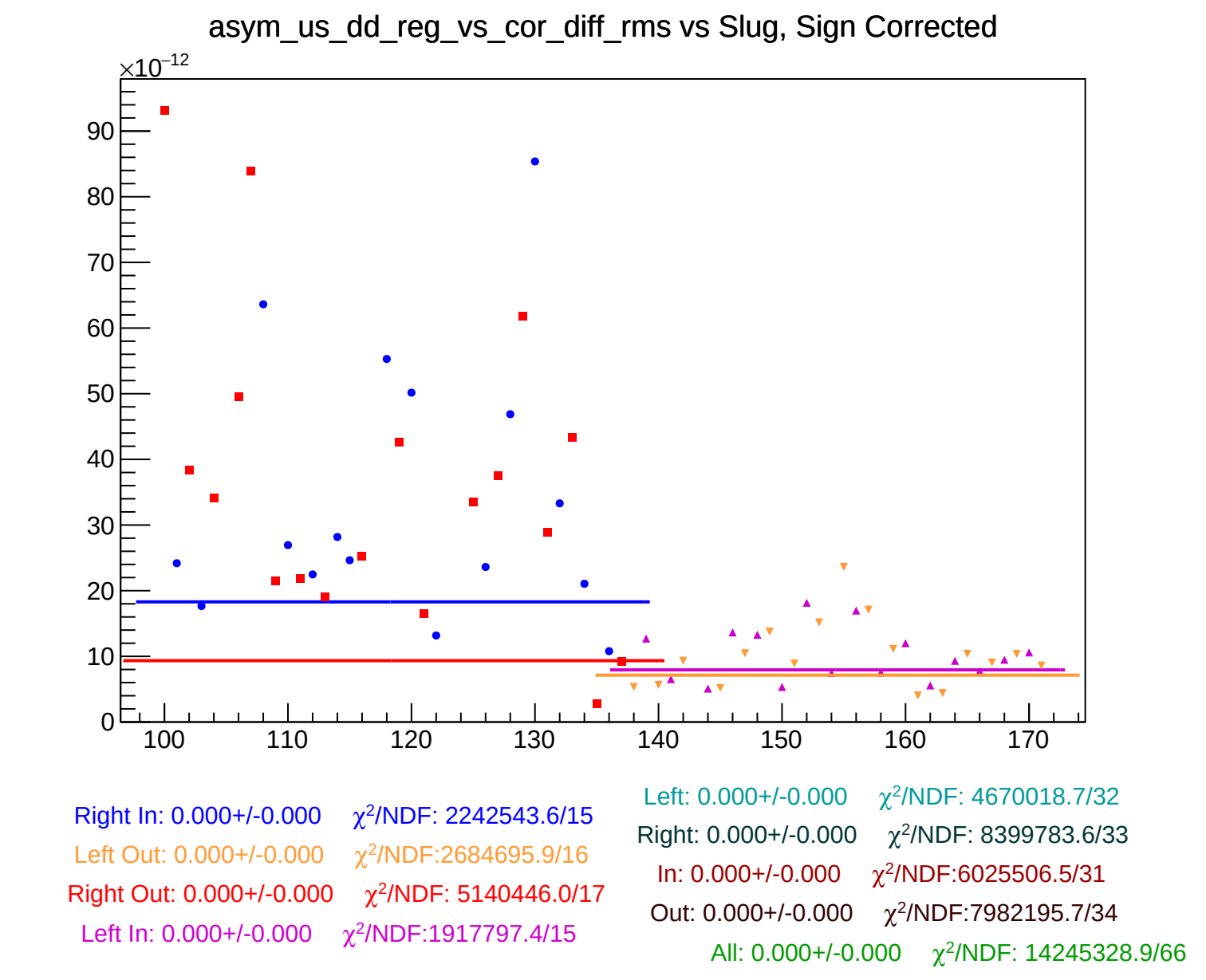
Left: 0.000+/-0.000 χ^2/NDF: 26.5/32

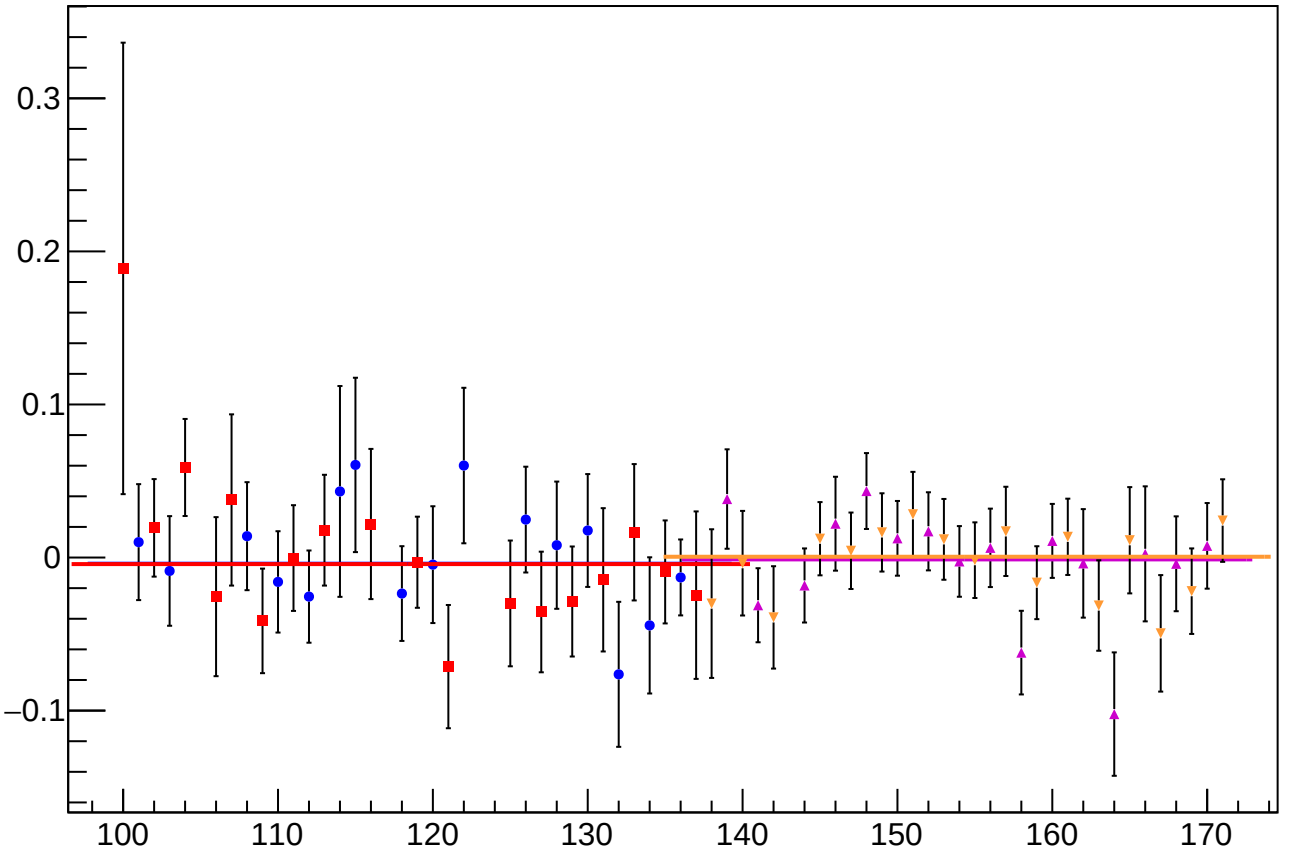
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: 0.000+/-0.000 χ^2/NDF:24.7/31

Out: -0.000+/-0.000 χ^2/NDF:30.1/34

All: -0.000+/-0.000 χ^2/NDF: 55.4/66


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:1917797.4/15
Left: 0.000+/-0.000 χ²/NDF: 4670018.7/32
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6025506.5/31
Out: 0.000+/-0.000 χ²/NDF:7982195.7/34
All: 0.000+/-0.000 χ²/NDF: 14245328.9/66



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: -0.001+/-0.007 χ^2/NDF:19.9/15

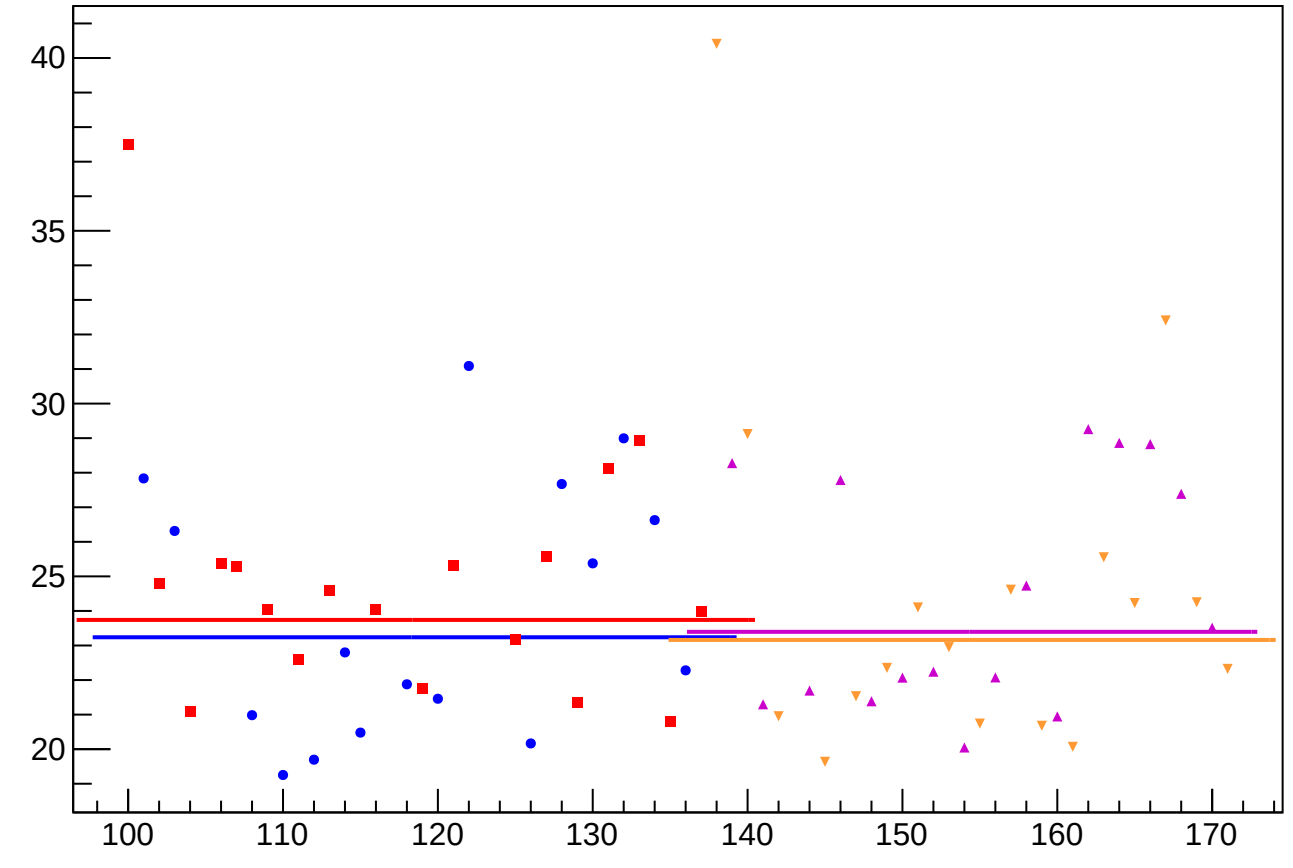
Left: -0.000+/-0.005 χ^2/NDF: 29.1/32

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

In: -0.002+/-0.006 χ^2/NDF:29.1/31

Out: -0.001+/-0.006 χ^2/NDF:22.8/34

All: -0.002+/-0.004 χ^2/NDF: 52.0/66



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: 23.396+/-0.005 χ^2/NDF:362013.8/15

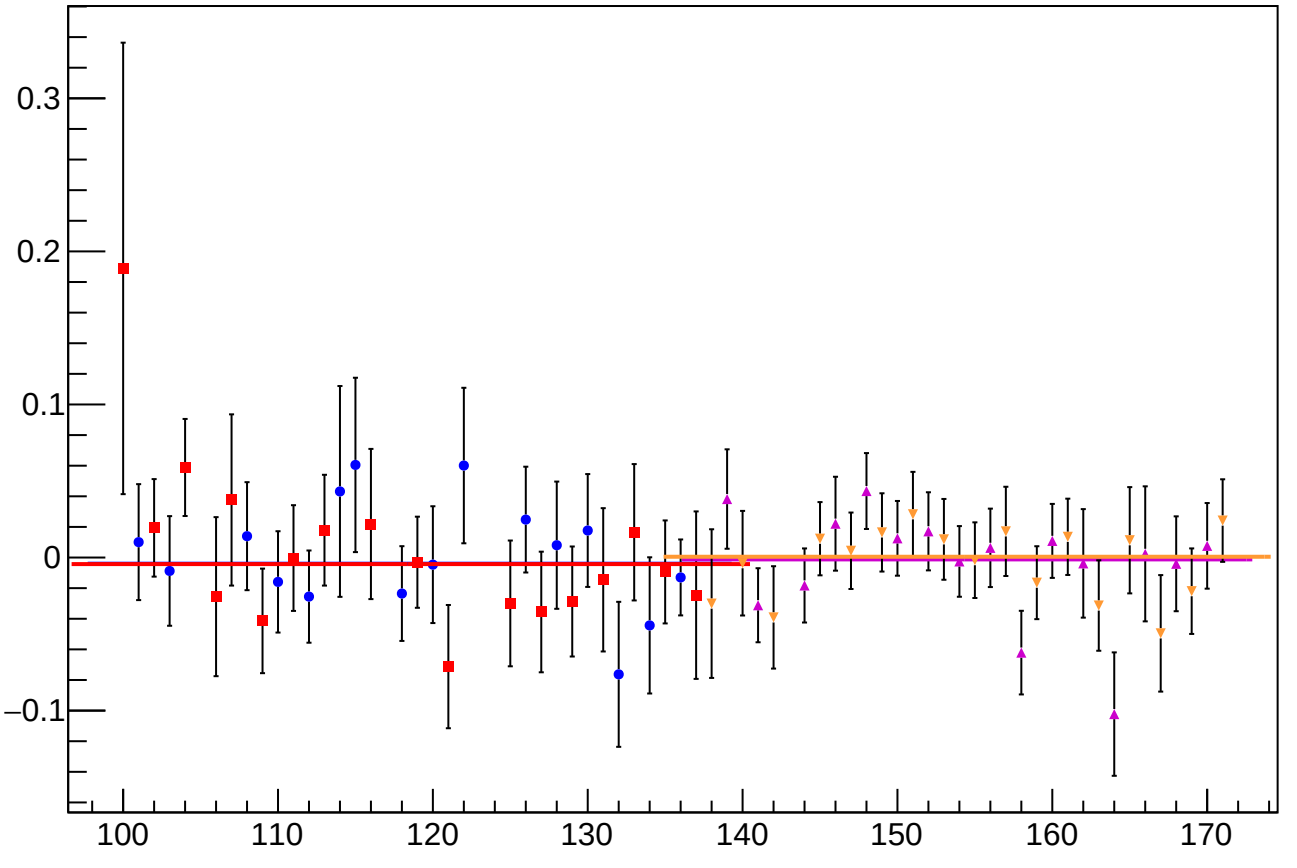
Left: 23.277+/-0.003 χ^2/NDF: 956117.1/32

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

In: 23.339+/-0.004 χ^2/NDF:621621.4/31

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

All: 23.352+/-0.003 χ^2/NDF: 1345786.9/66



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: -0.001+/-0.007 χ^2/NDF:19.9/15

Left: -0.000+/-0.005 χ^2/NDF: 29.1/32

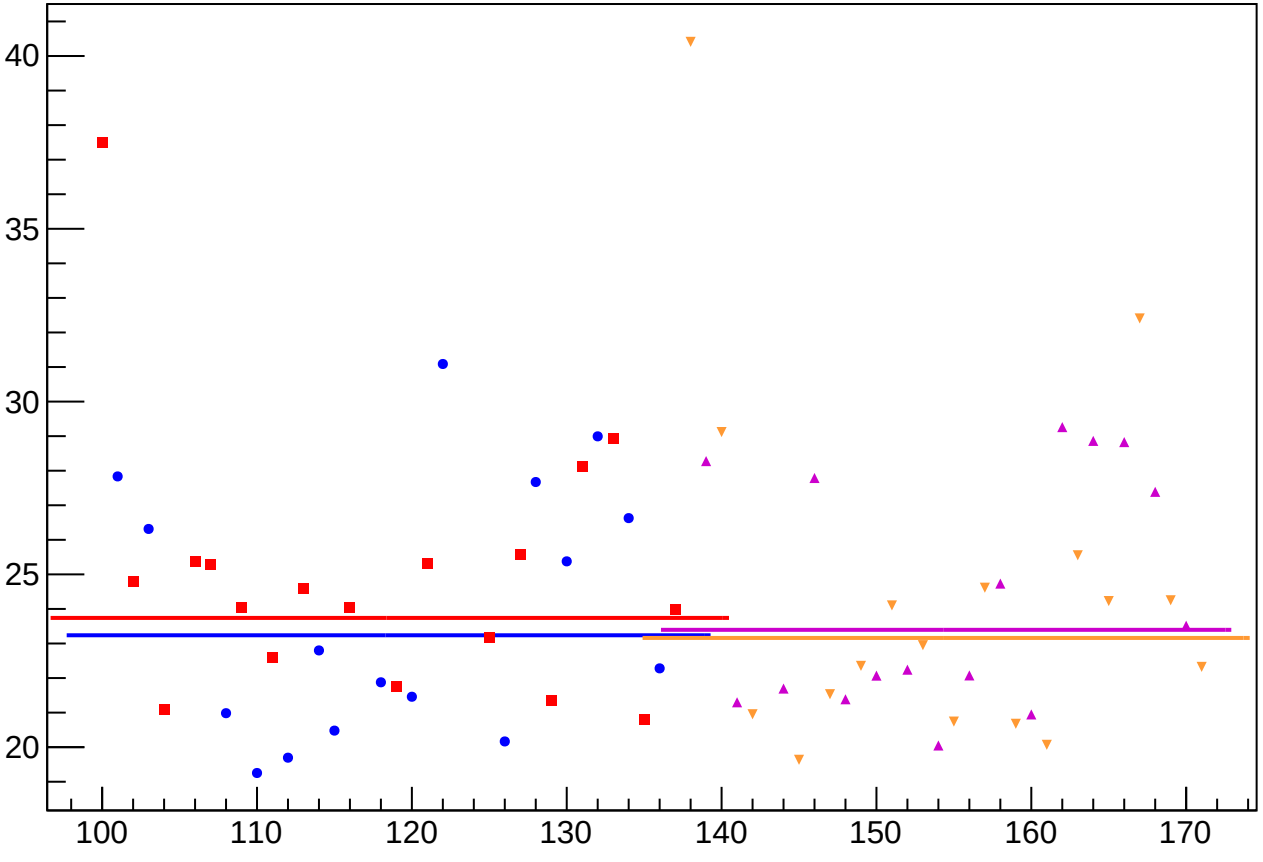
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.002+/-0.006 χ^2/NDF:29.1/31

Out: -0.001+/-0.006 χ^2/NDF:22.8/34

All: -0.002+/-0.004 χ^2/NDF: 52.0/66

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: 23.396+/-0.005 χ^2/NDF:362013.8/15

Left: 23.277+/-0.003 χ^2/NDF: 956117.1/32

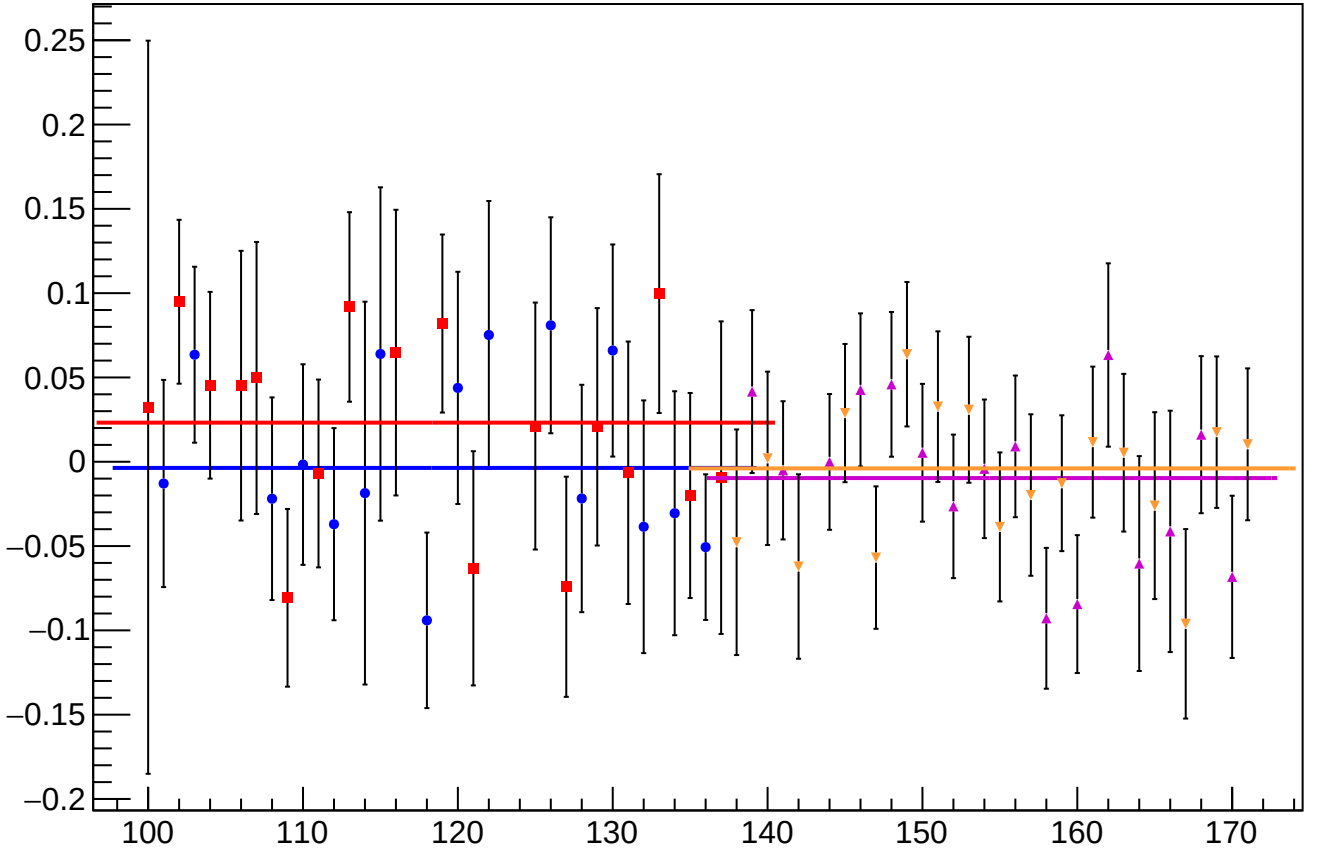
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.339+/-0.004 χ^2/NDF:621621.4/31

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

All: 23.352+/-0.003 χ^2/NDF: 1345786.9/66

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.010+/-0.011 χ^2/NDF:16.4/15

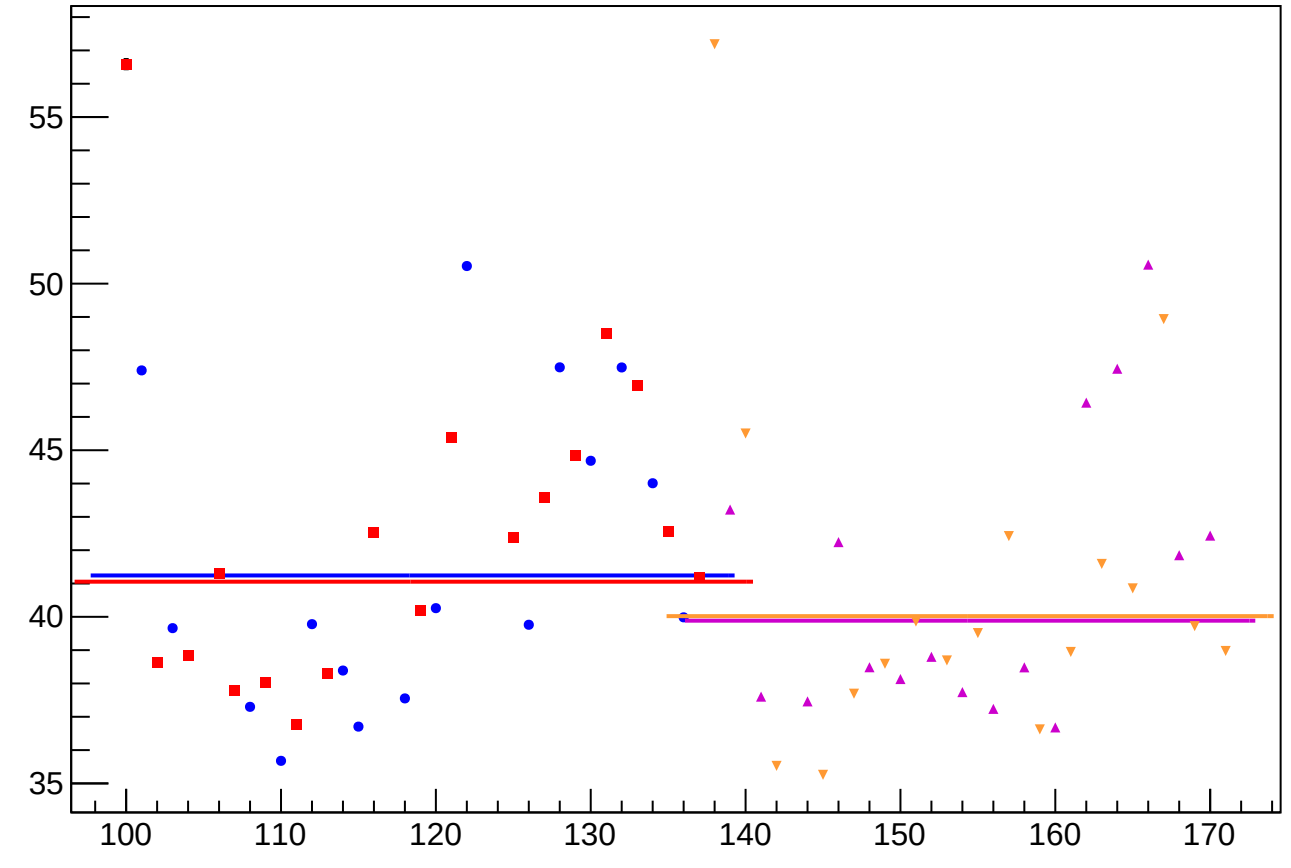
Left: -0.007+/-0.008 χ^2/NDF: 28.3/32

Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.008+/-0.009 χ^2/NDF:28.2/31

Out: 0.005+/-0.009 χ^2/NDF:29.1/34

All: -0.001+/-0.006 χ^2/NDF: 58.3/66



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: 39.885+/-0.008 χ^2/NDF:174266.3/15

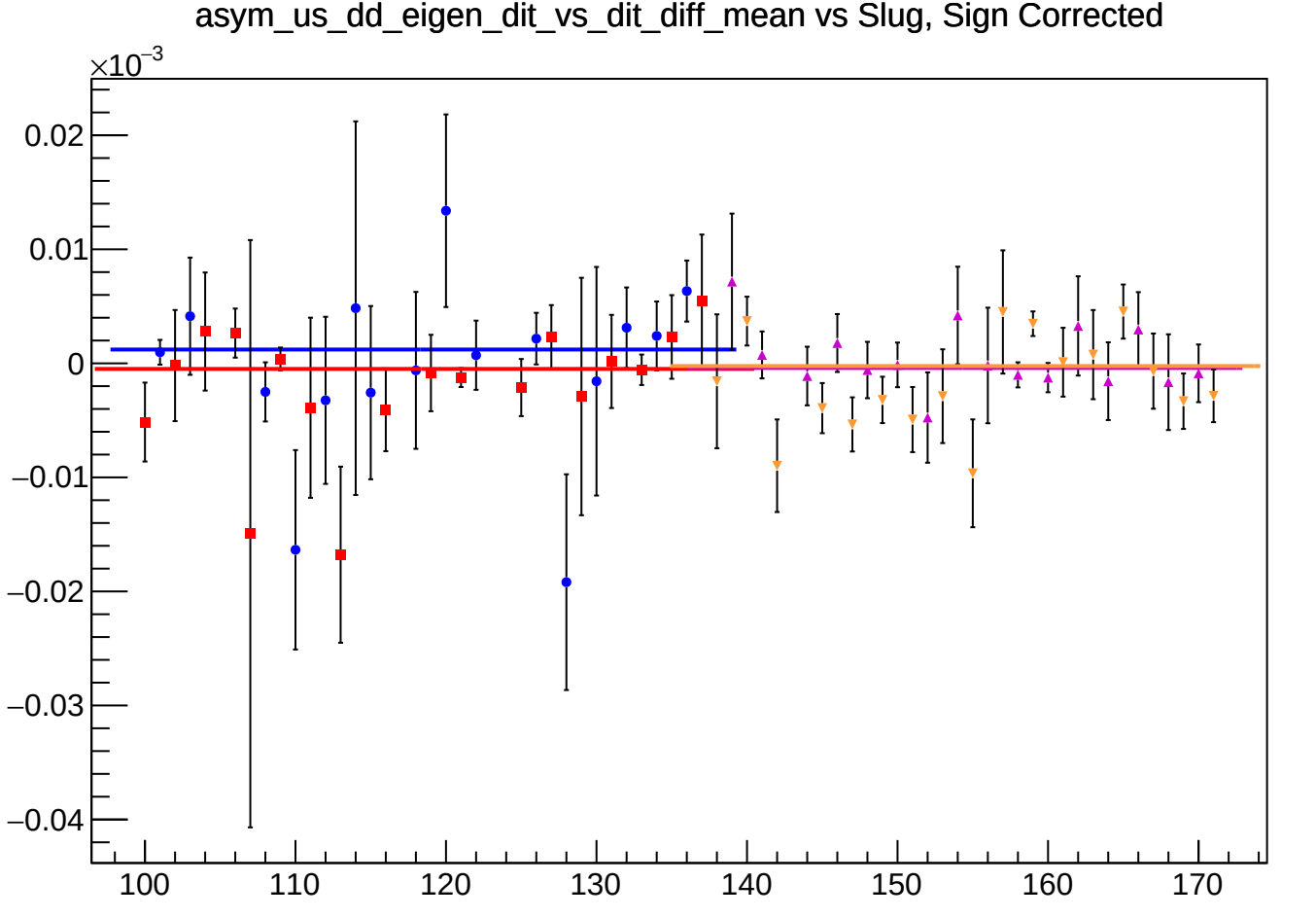
Left: 39.953+/-0.006 χ^2/NDF: 454381.4/32

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

In: 40.347+/-0.006 χ^2/NDF:319356.8/31

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

All: 40.363+/-0.005 χ^2/NDF: 701710.0/66



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

Left Out: -0.000+/-0.000 χ^2/NDF:44.4/16

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

Left In: -0.000+/-0.000 χ^2/NDF:7.9/15

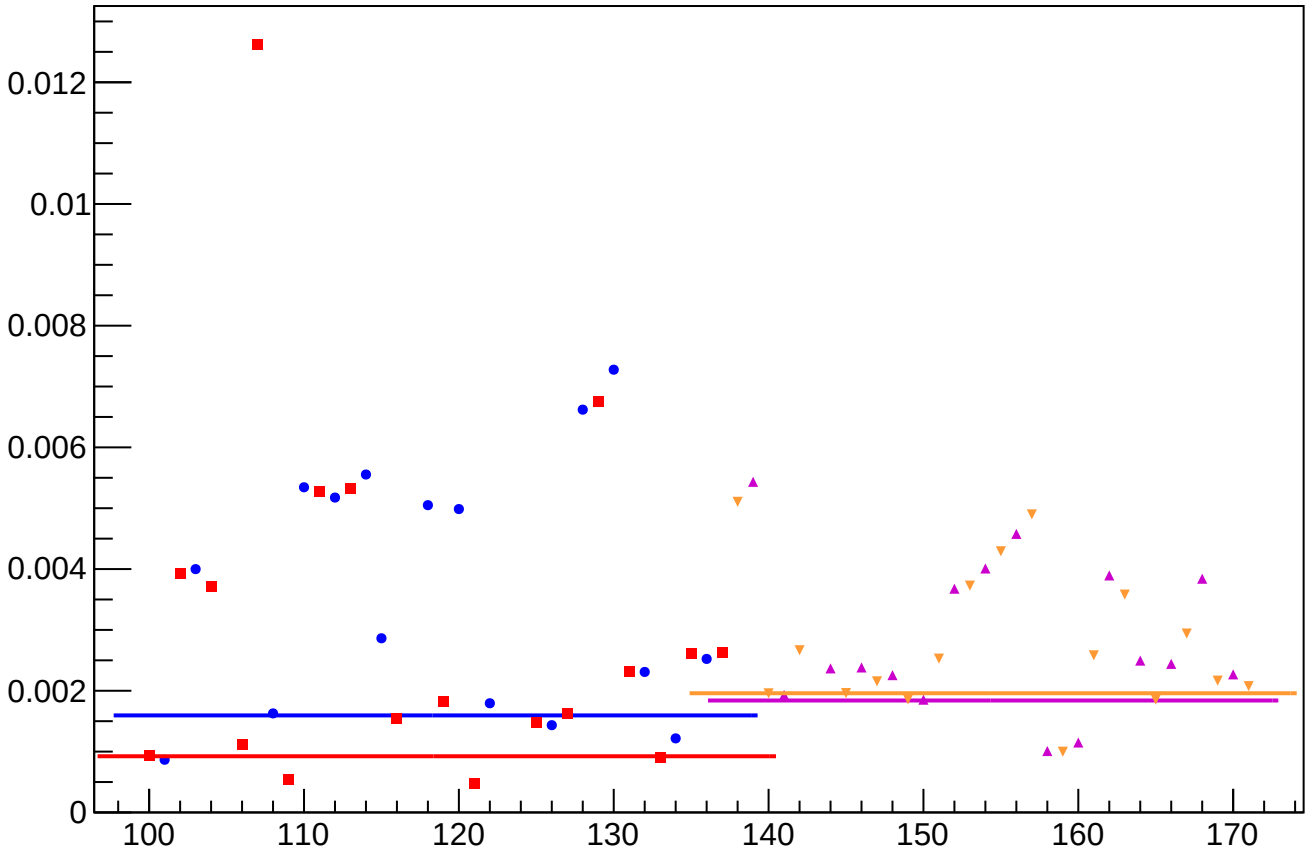
Left: -0.000+/-0.000 χ^2/NDF: 52.3/32

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:29.1/31

Out: -0.000+/-0.000 χ^2/NDF:59.5/34

All: -0.000+/-0.000 χ^2/NDF: 89.6/66



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:5305741.4/15

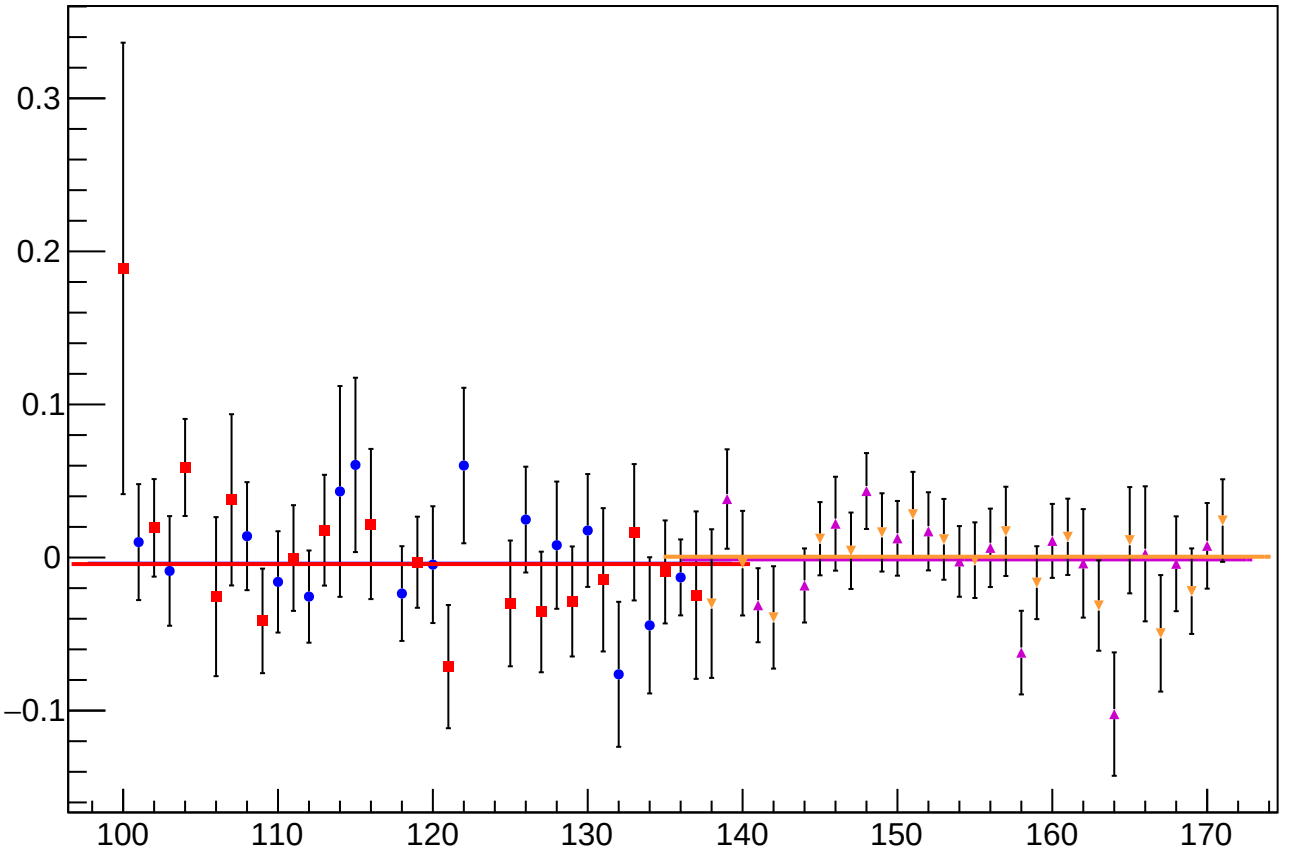
Left: 0.002+/-0.000 χ^2/NDF: 9747939.1/32

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

In: 0.002+/-0.000 χ^2/NDF:10202134.0/31

Out: 0.001+/-0.000 χ^2/NDF:13772778.2/34

All: 0.002+/-0.000 χ^2/NDF: 24868240.8/66



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: -0.001+/-0.007 χ^2/NDF:19.9/15

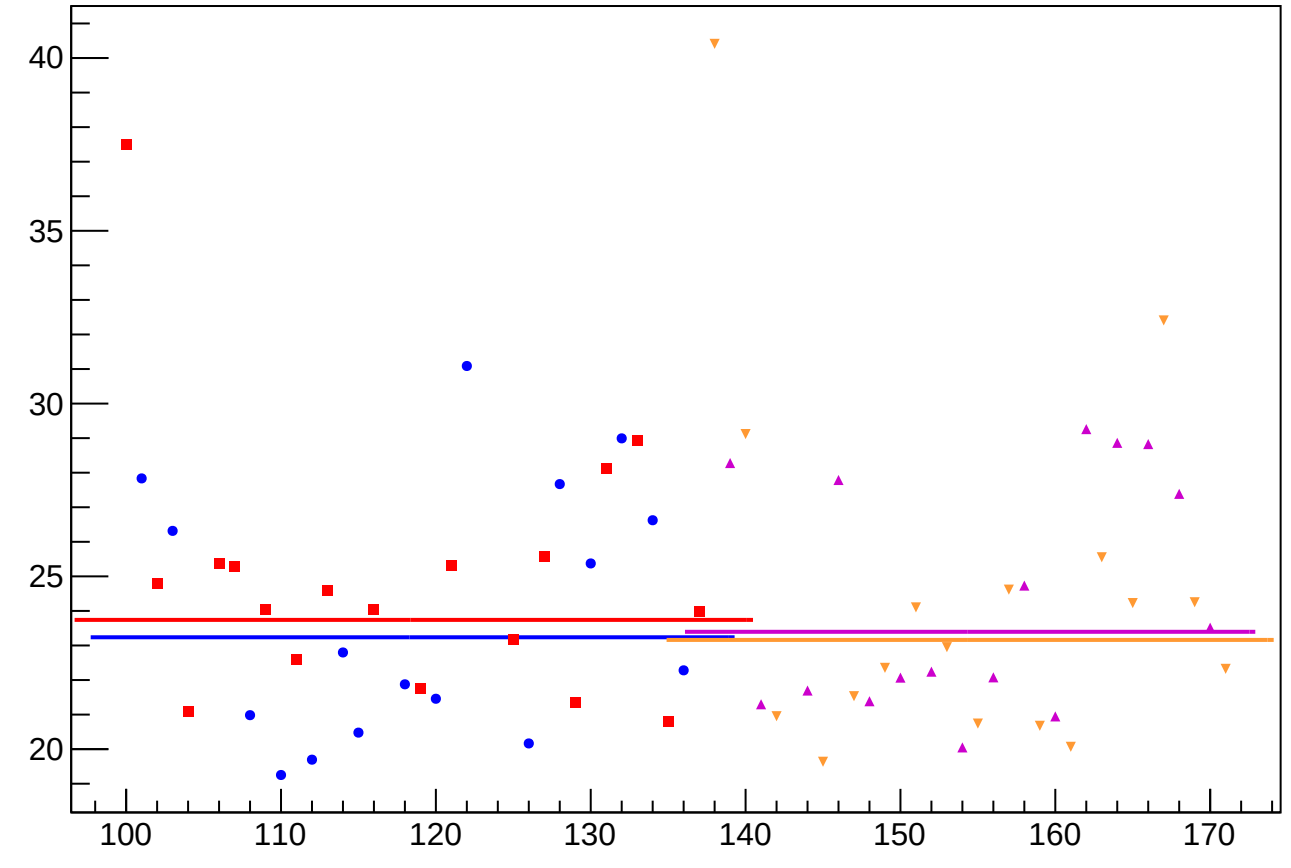
Left: -0.000+/-0.005 χ^2/NDF: 29.1/32

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

In: -0.002+/-0.006 χ^2/NDF:29.1/31

Out: -0.001+/-0.006 χ^2/NDF:22.8/34

All: -0.002+/-0.004 χ^2/NDF: 52.0/66



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: 23.396+/-0.005 χ^2/NDF:361965.2/15

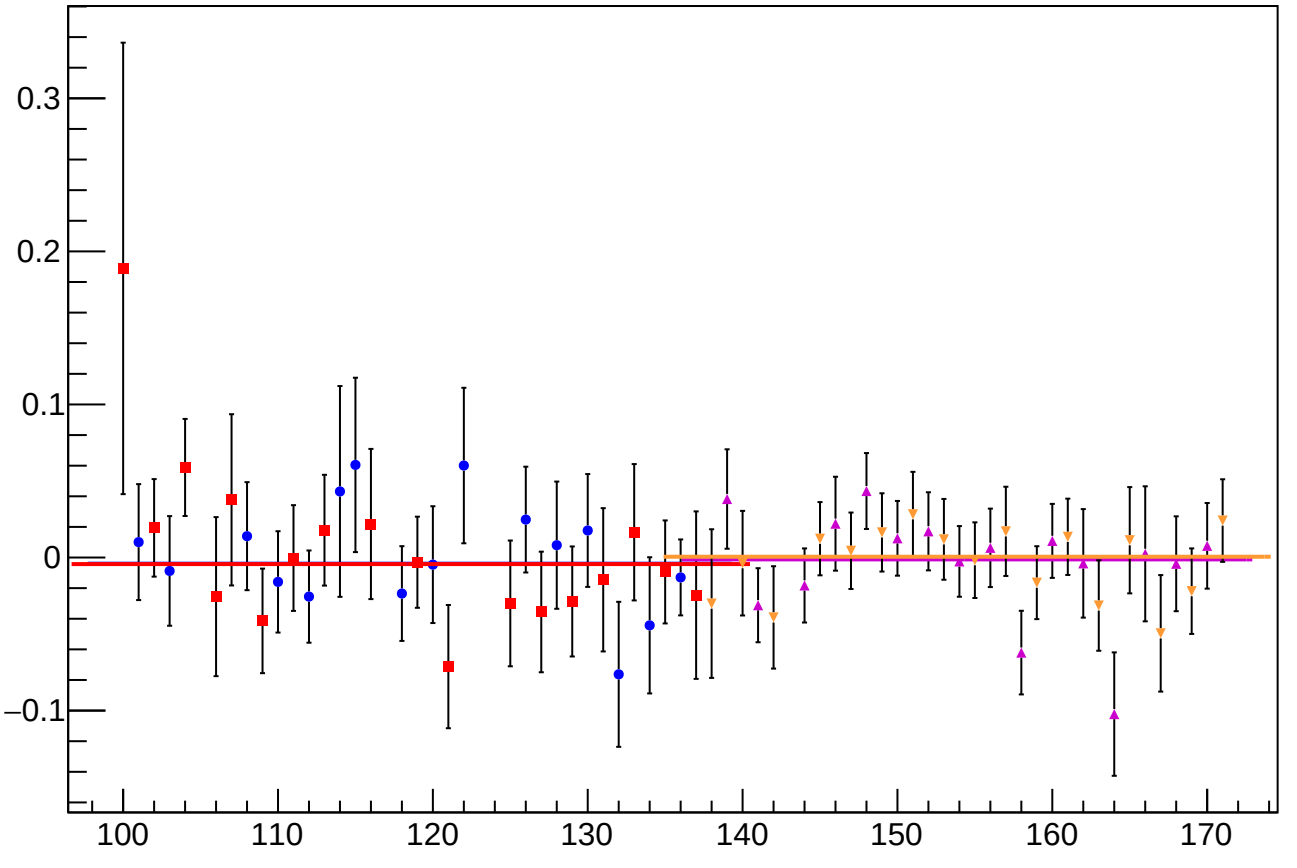
Left: 23.277+/-0.003 χ^2/NDF: 956091.4/32

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

In: 23.339+/-0.004 χ^2/NDF:621565.9/31

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

All: 23.352+/-0.003 χ^2/NDF: 1345704.6/66



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: -0.001+/-0.007 χ^2/NDF:19.9/15

Left: -0.000+/-0.005 χ^2/NDF: 29.1/32

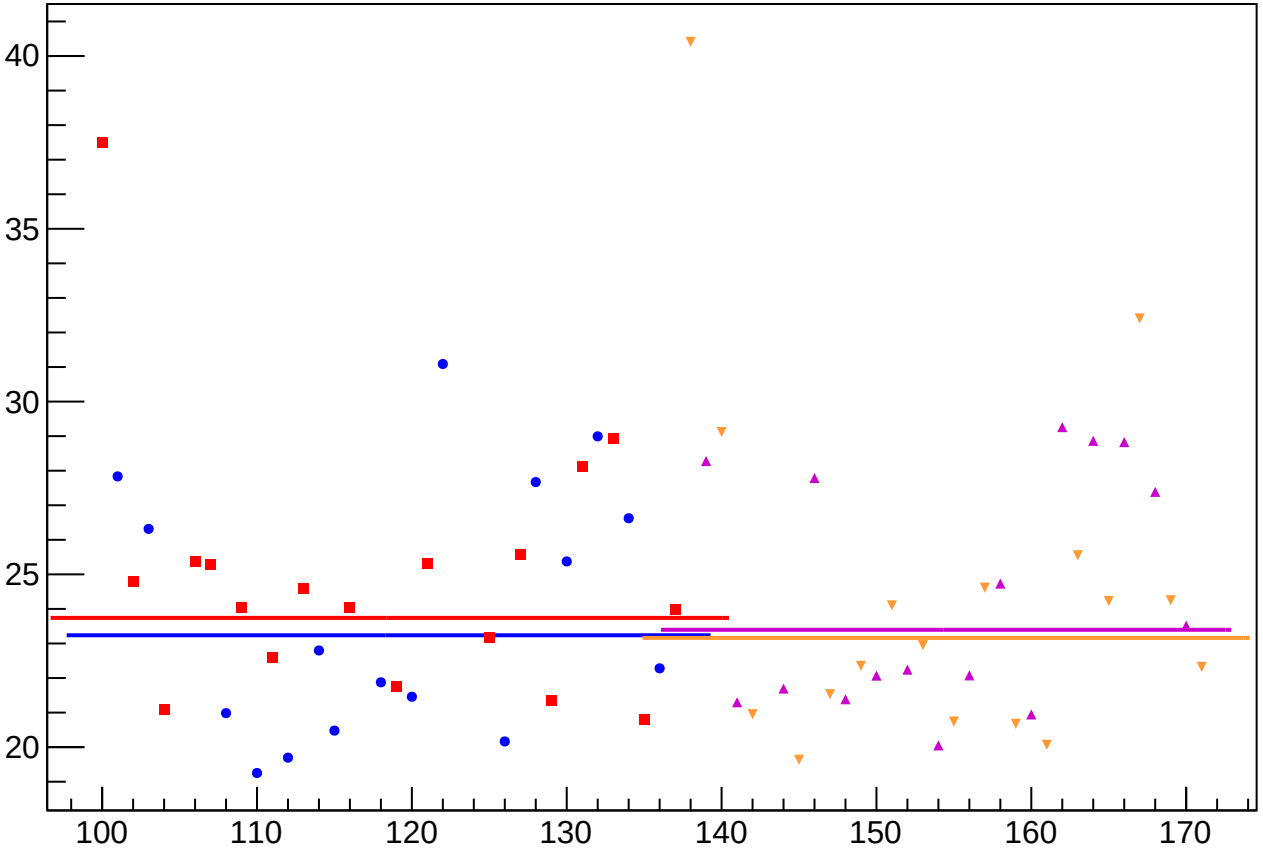
Right: -0.004+/-0.007 χ^2/NDF: 22.7/33

In: -0.002+/-0.006 χ^2/NDF:29.1/31

Out: -0.001+/-0.006 χ^2/NDF:22.8/34

All: -0.002+/-0.004 χ^2/NDF: 52.0/66

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: 23.396+/-0.005 χ^2/NDF:361965.2/15

Left: 23.277+/-0.003 χ^2/NDF: 956091.4/32

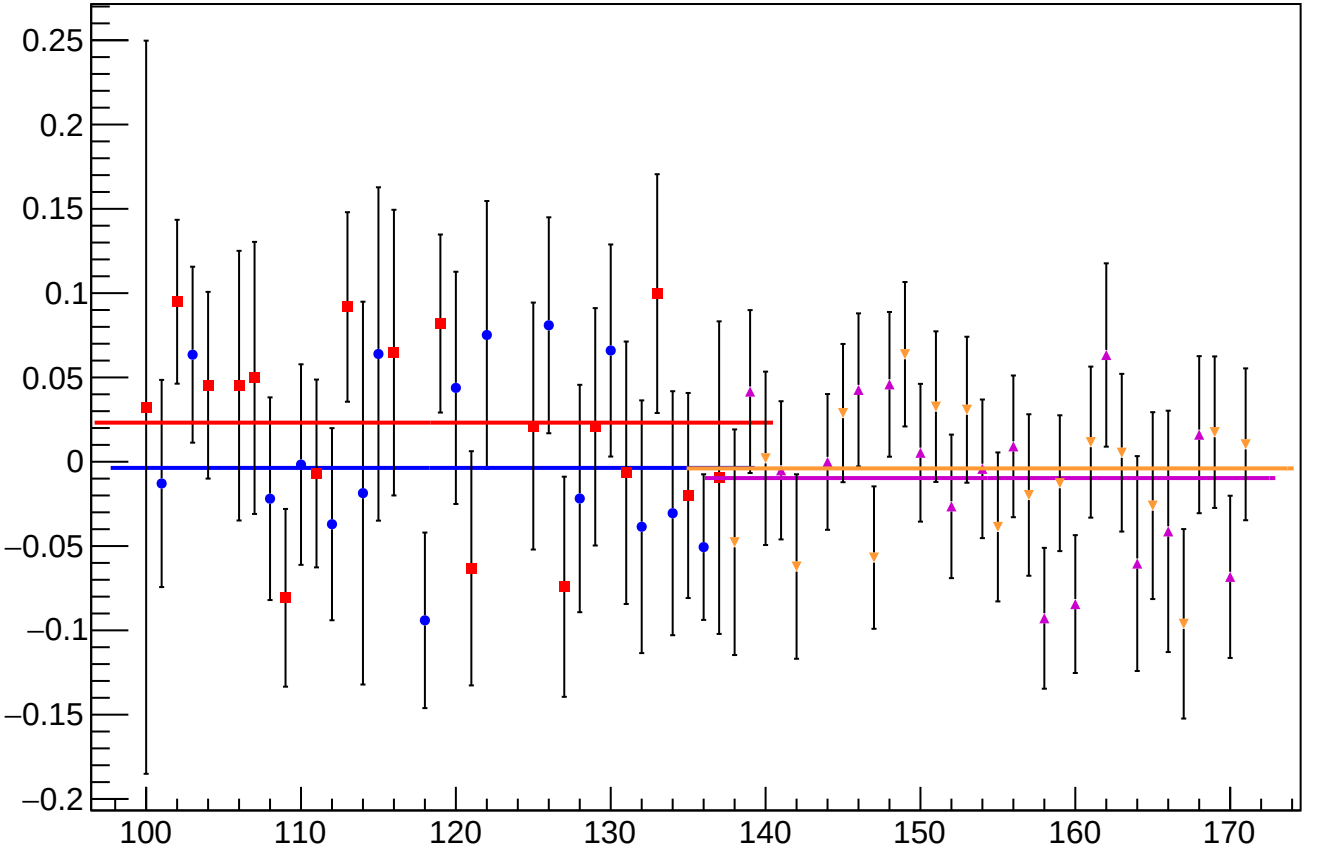
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.339+/-0.004 χ^2/NDF:621565.9/31

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

All: 23.352+/-0.003 χ^2/NDF: 1345704.6/66

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: -0.010+/-0.011 χ^2/NDF:16.4/15

Left: -0.007+/-0.008 χ^2/NDF: 28.3/32

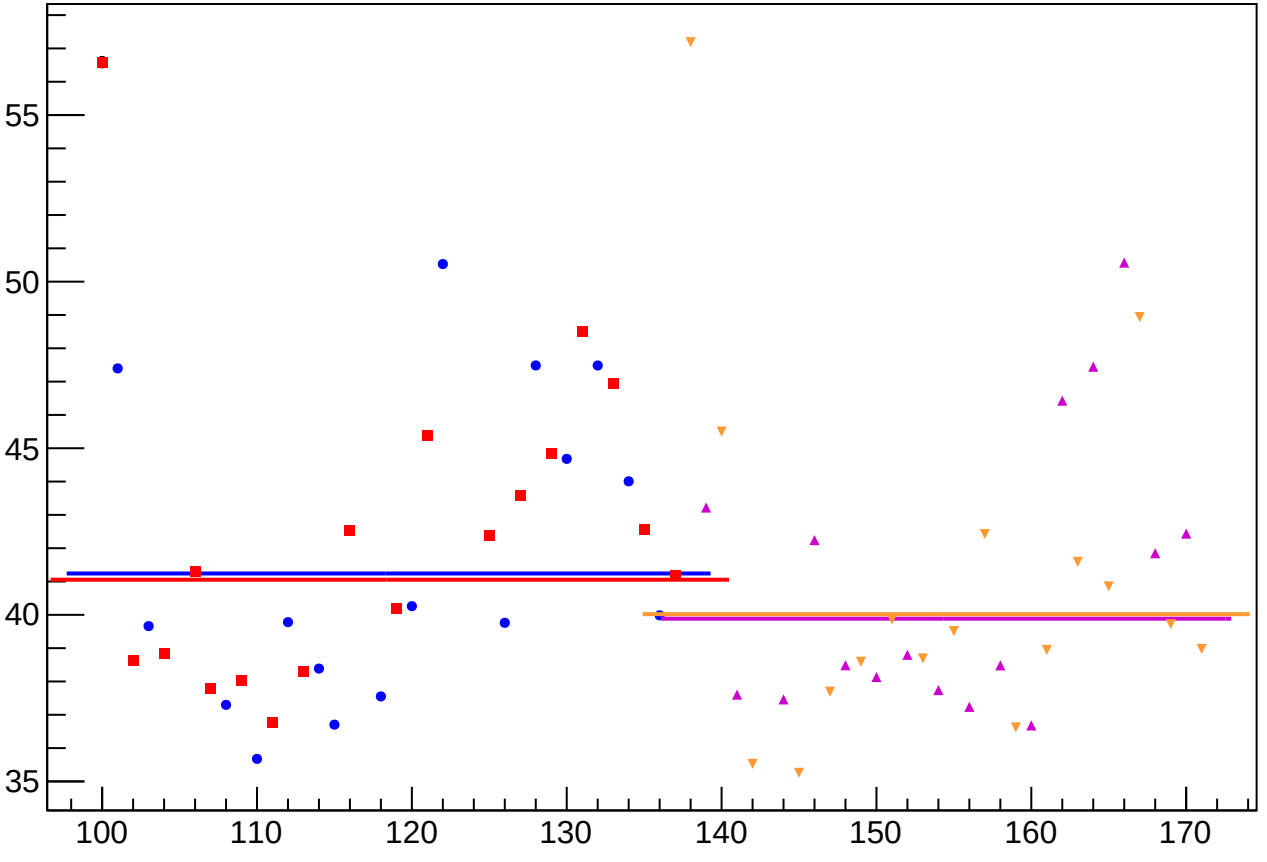
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.008+/-0.009 χ^2/NDF:28.2/31

Out: 0.005+/-0.009 χ^2/NDF:29.1/34

All: -0.001+/-0.006 χ^2/NDF: 58.3/66

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: 39.885+/-0.008 χ^2/NDF:174273.2/15

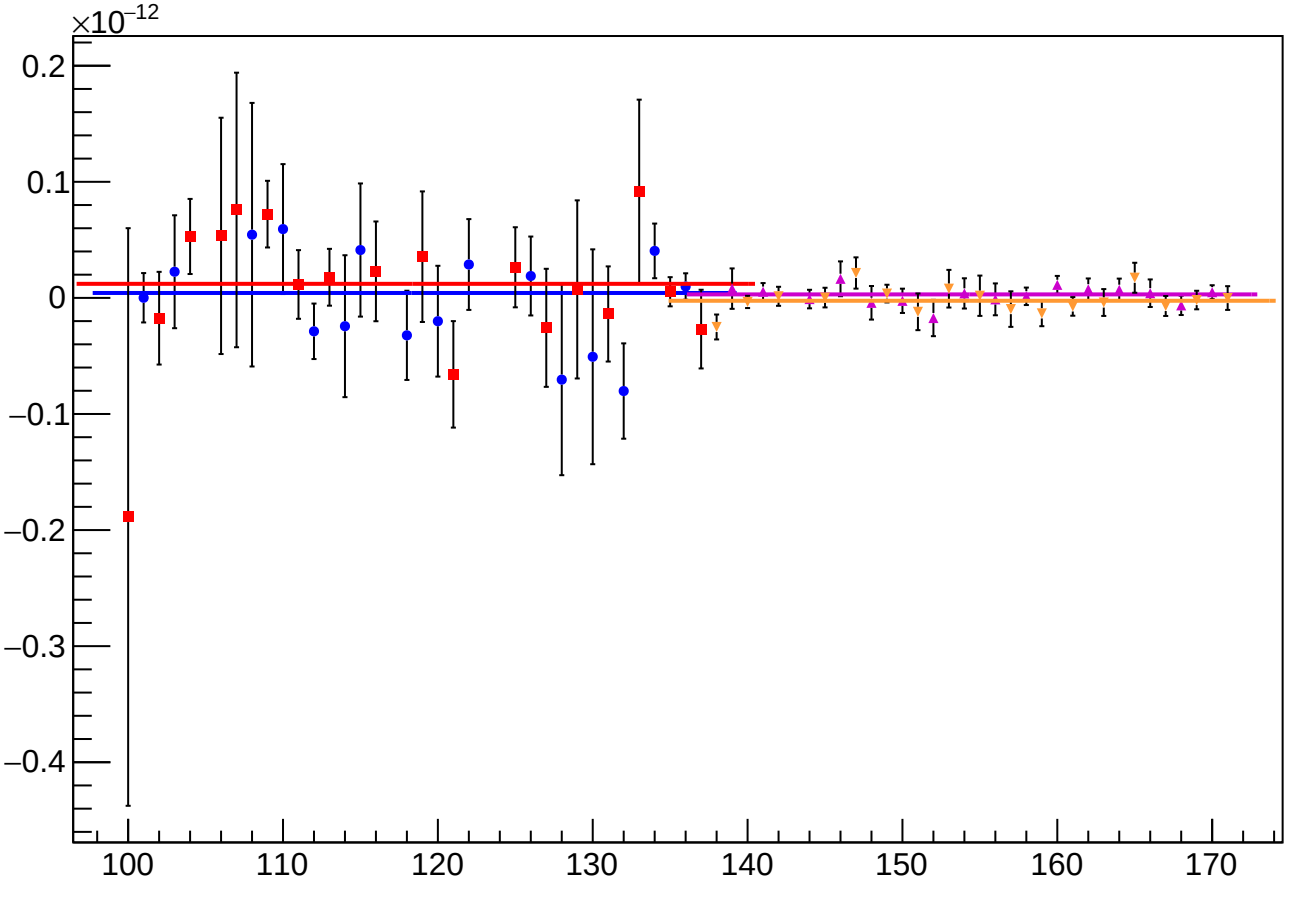
Left: 39.953+/-0.006 χ^2/NDF: 454391.9/32

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

In: 40.347+/-0.006 χ^2/NDF:319336.2/31

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

All: 40.363+/-0.005 χ^2/NDF: 701680.7/66



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:6.6/15

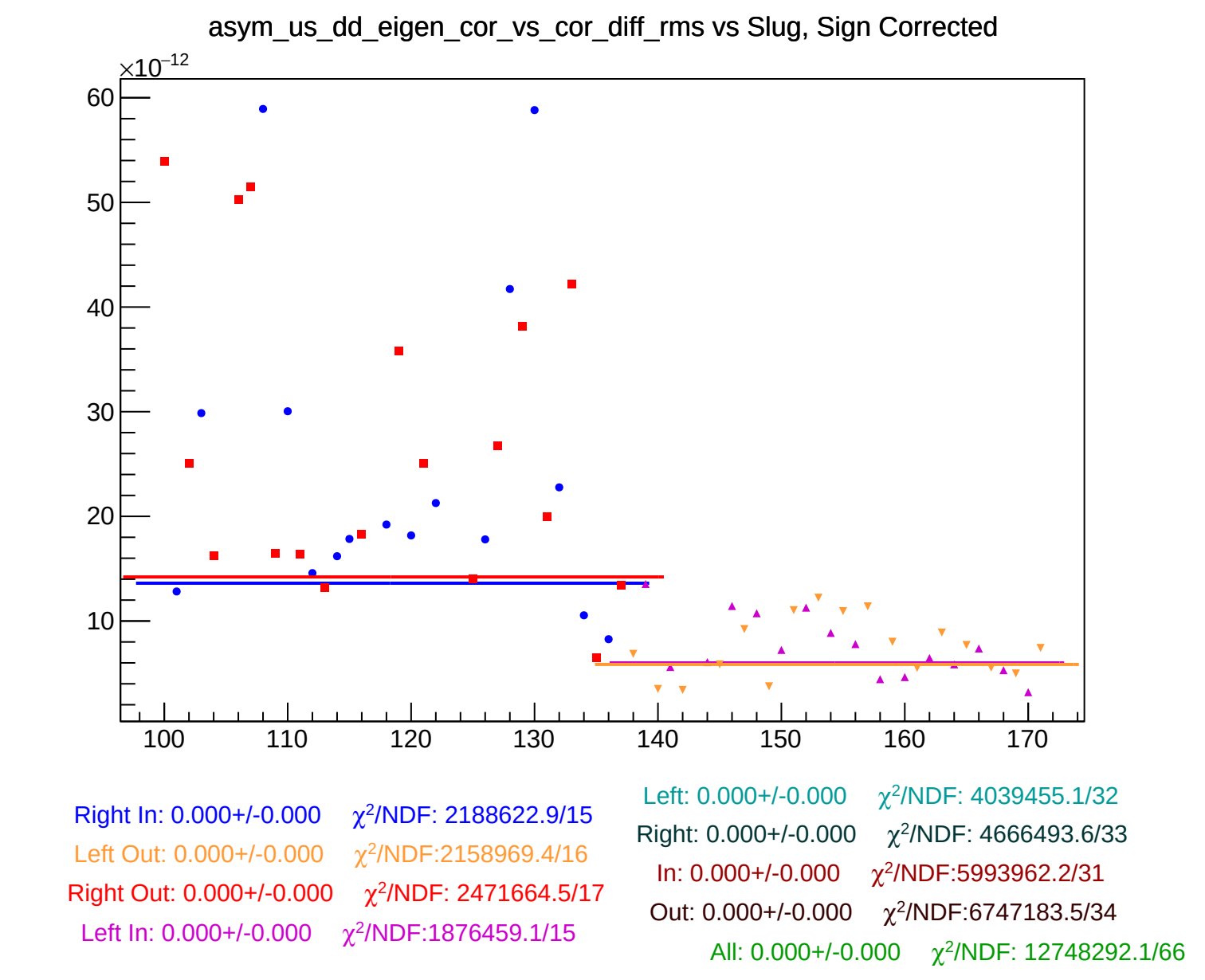
Left: 0.000+/-0.000 χ^2/NDF: 23.0/32

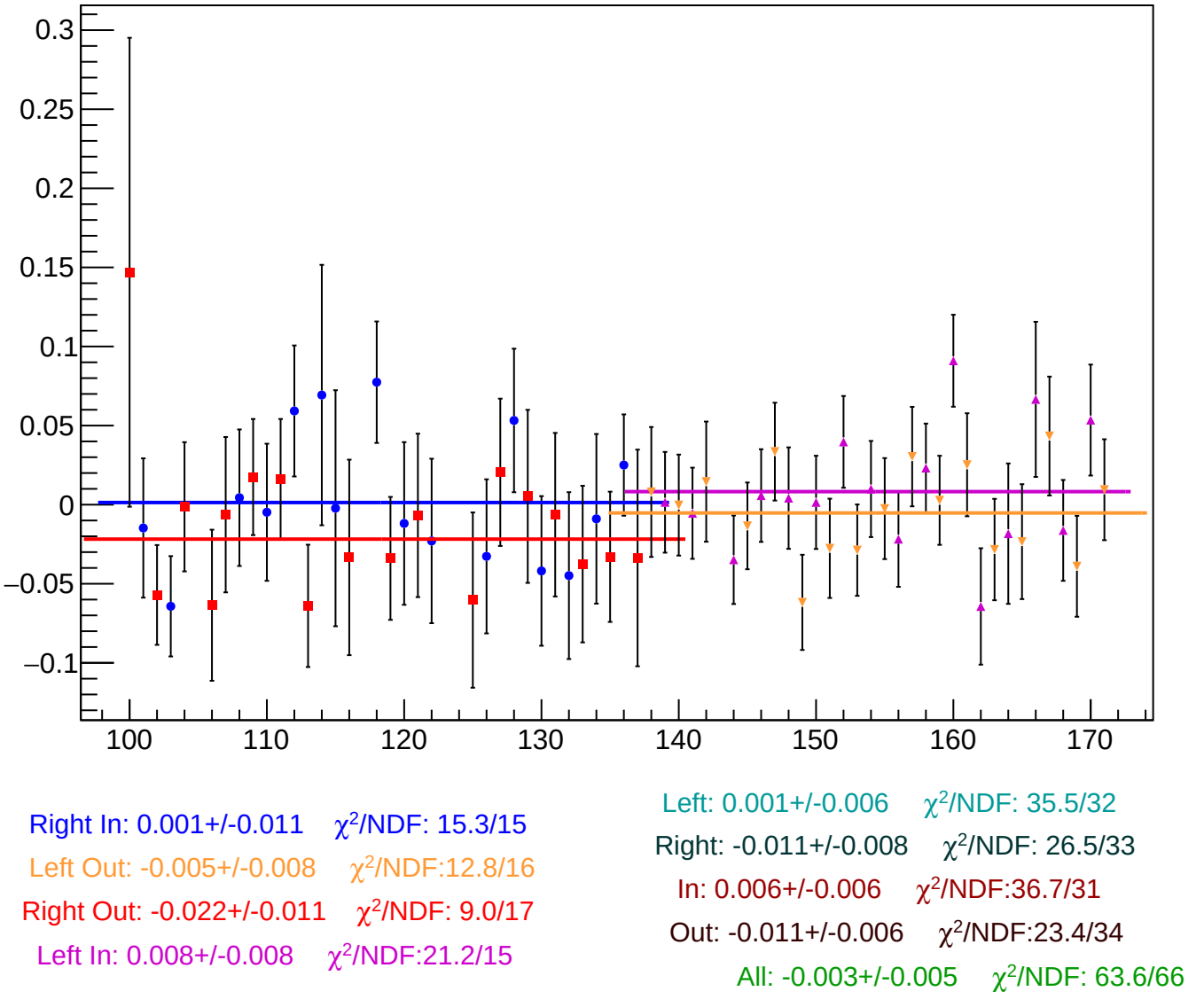
Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:20.2/31

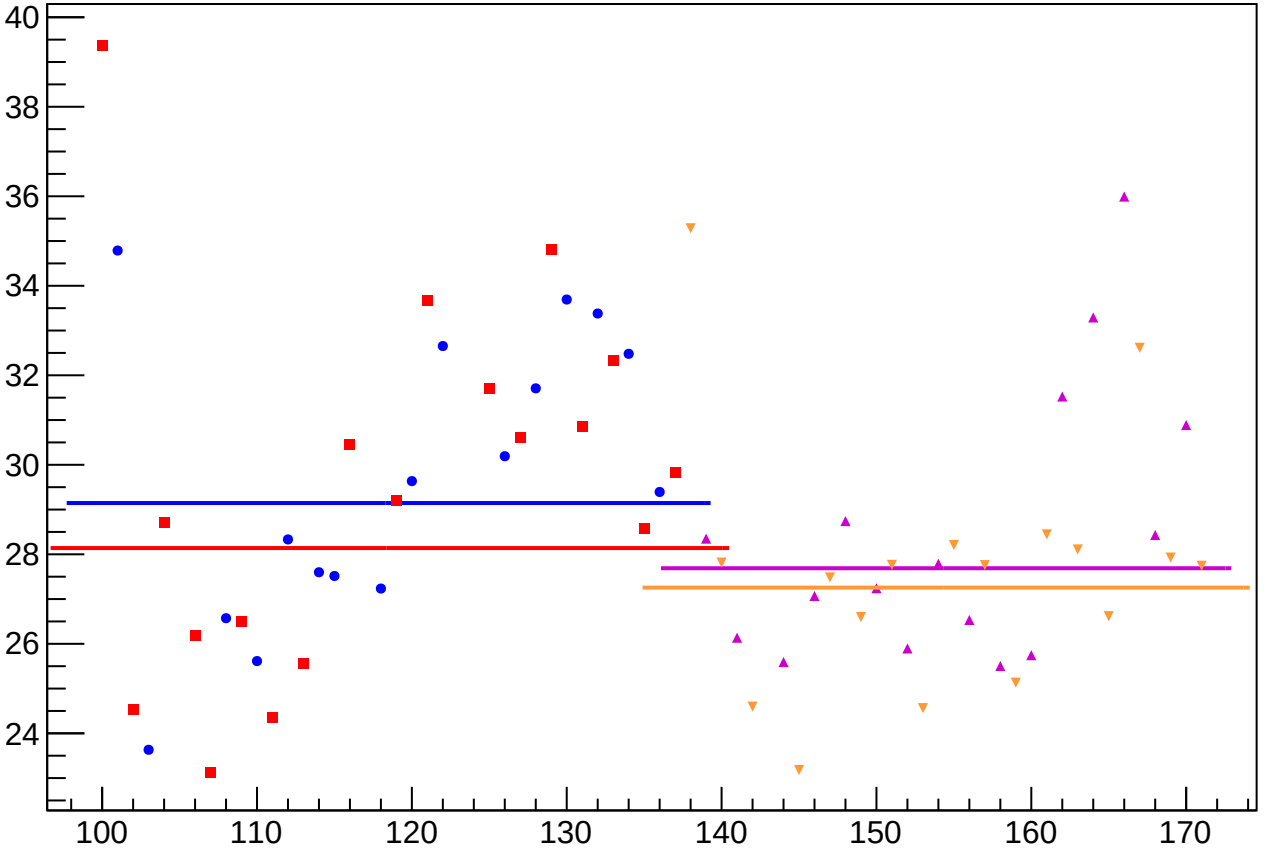
Out: -0.000+/-0.000 χ^2/NDF:31.5/34

All: 0.000+/-0.000 χ^2/NDF: 53.7/66


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:1876459.1/15
Left: 0.000+/-0.000 χ²/NDF: 4039455.1/32
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:5993962.2/31
Out: 0.000+/-0.000 χ²/NDF:6747183.5/34
All: 0.000+/-0.000 χ²/NDF: 12748292.1/66


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: 0.008+/-0.008 χ²/NDF:21.2/15
Left: 0.001+/-0.006 χ²/NDF: 35.5/32
Right: -0.011+/-0.008 χ²/NDF: 26.5/33
In: 0.006+/-0.006 χ²/NDF:36.7/31
Out: -0.011+/-0.006 χ²/NDF:23.4/34
All: -0.003+/-0.005 χ²/NDF: 63.6/66

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: 27.689+/-0.006 χ^2/NDF:181758.9/15

Left: 27.469+/-0.004 χ^2/NDF: 395238.9/32

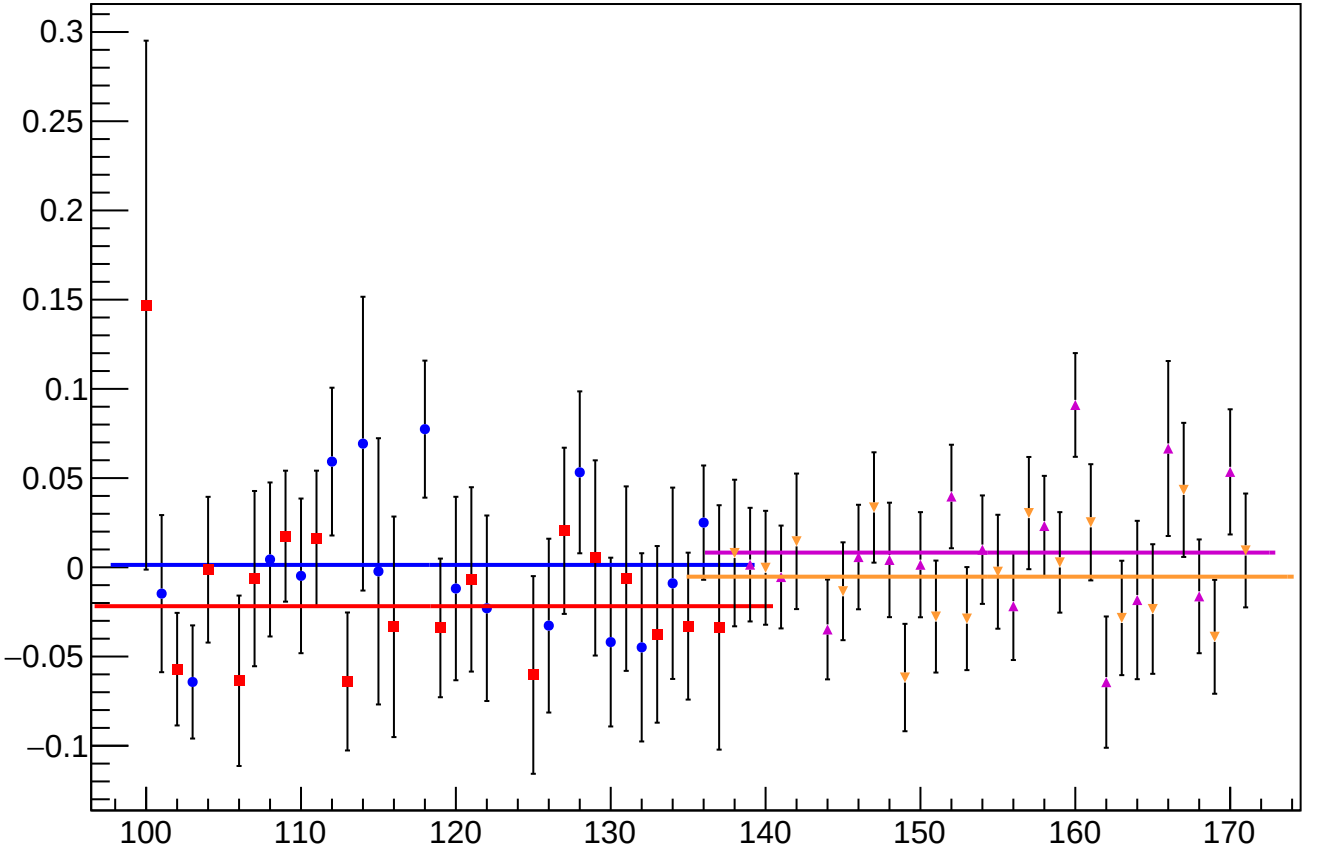
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.172+/-0.005 χ^2/NDF:381219.2/31

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

All: 27.858+/-0.003 χ^2/NDF: 796846.1/66

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.005+/-0.008 χ^2/NDF:12.8/16

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

Left In: 0.008+/-0.008 χ^2/NDF:21.2/15

Left: 0.001+/-0.006 χ^2/NDF: 35.5/32

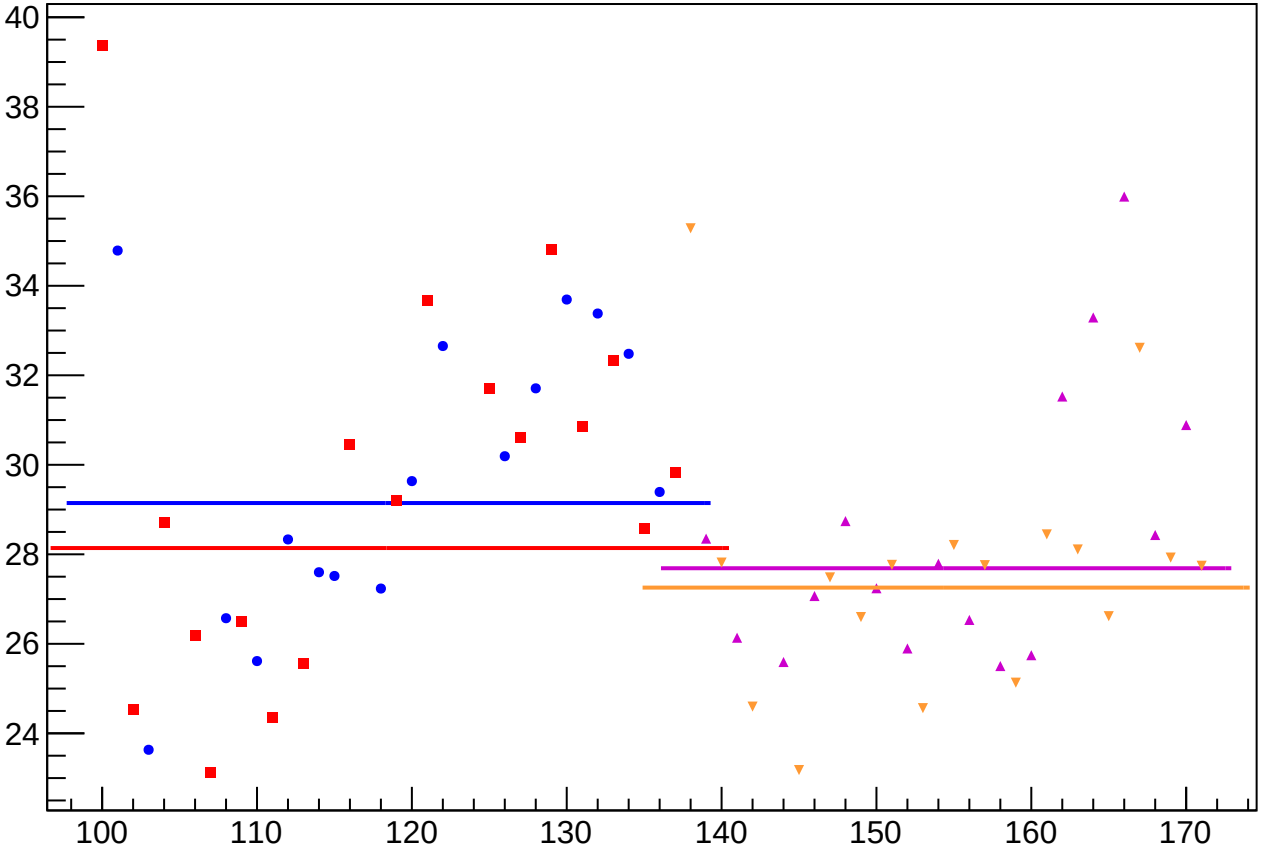
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.006+/-0.006 χ^2/NDF:36.7/31

Out: -0.011+/-0.006 χ^2/NDF:23.4/34

All: -0.003+/-0.005 χ^2/NDF: 63.6/66

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: 27.689+/-0.006 χ^2/NDF:181758.9/15

Left: 27.469+/-0.004 χ^2/NDF: 395238.9/32

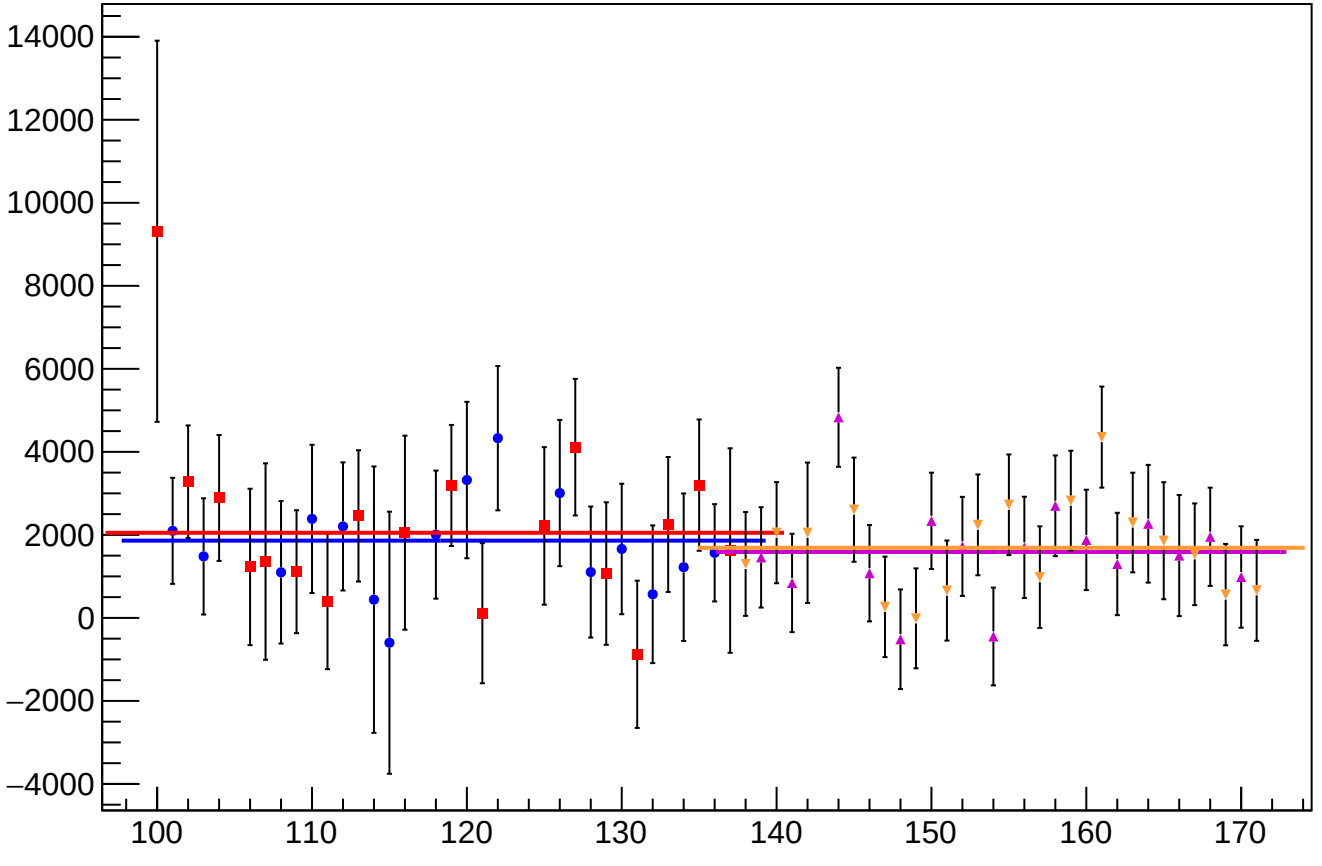
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.172+/-0.005 χ^2/NDF:381219.2/31

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

All: 27.858+/-0.003 χ^2/NDF: 796846.1/66

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: 1587.918+/-305.079 χ^2/NDF:16.0/15

Left: 1639.051+/-214.641 χ^2/NDF: 29.8/32

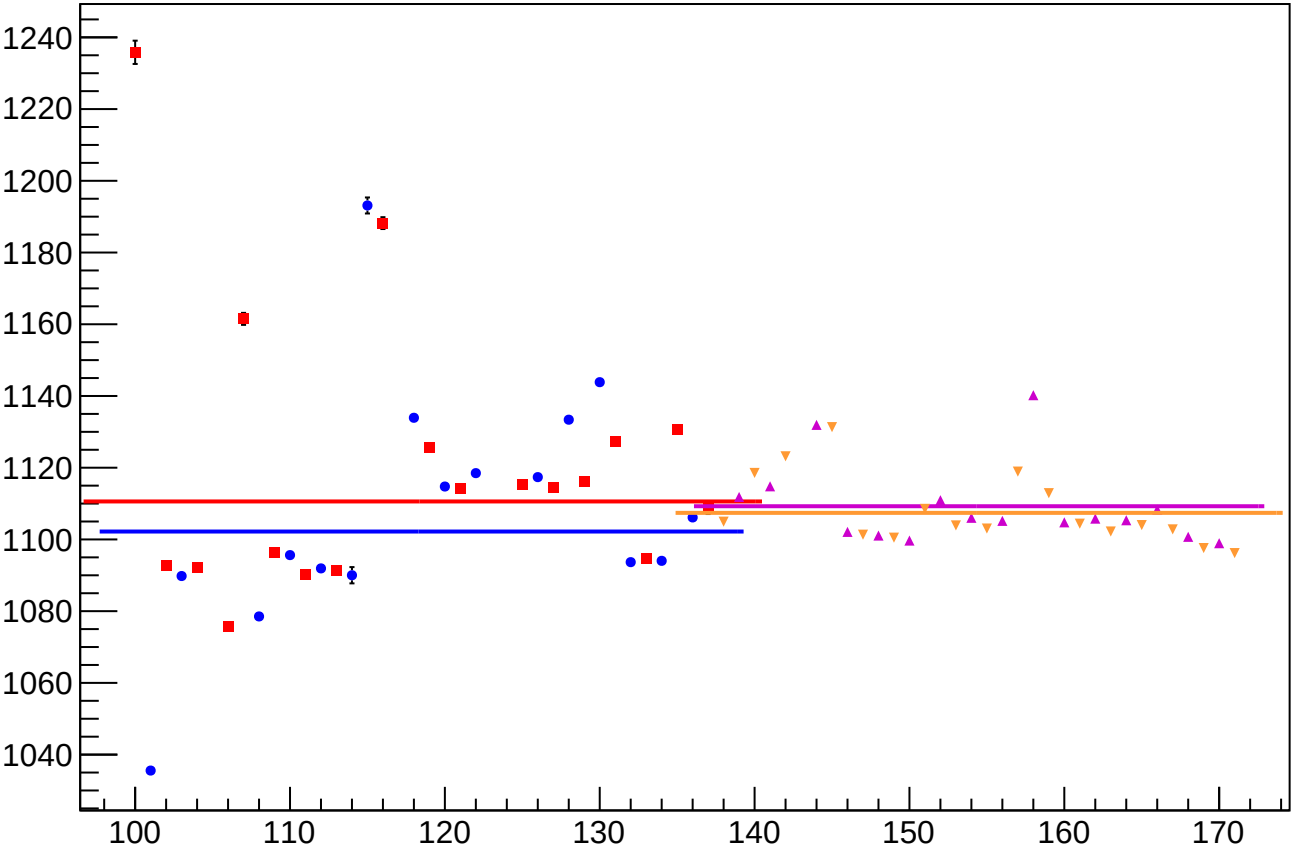
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1685.568+/-244.654 χ^2/NDF:21.6/31

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

All: 1751.575+/-172.416 χ^2/NDF: 48.5/66

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: 1109.258+/-0.216 χ^2/NDF:2729.6/15

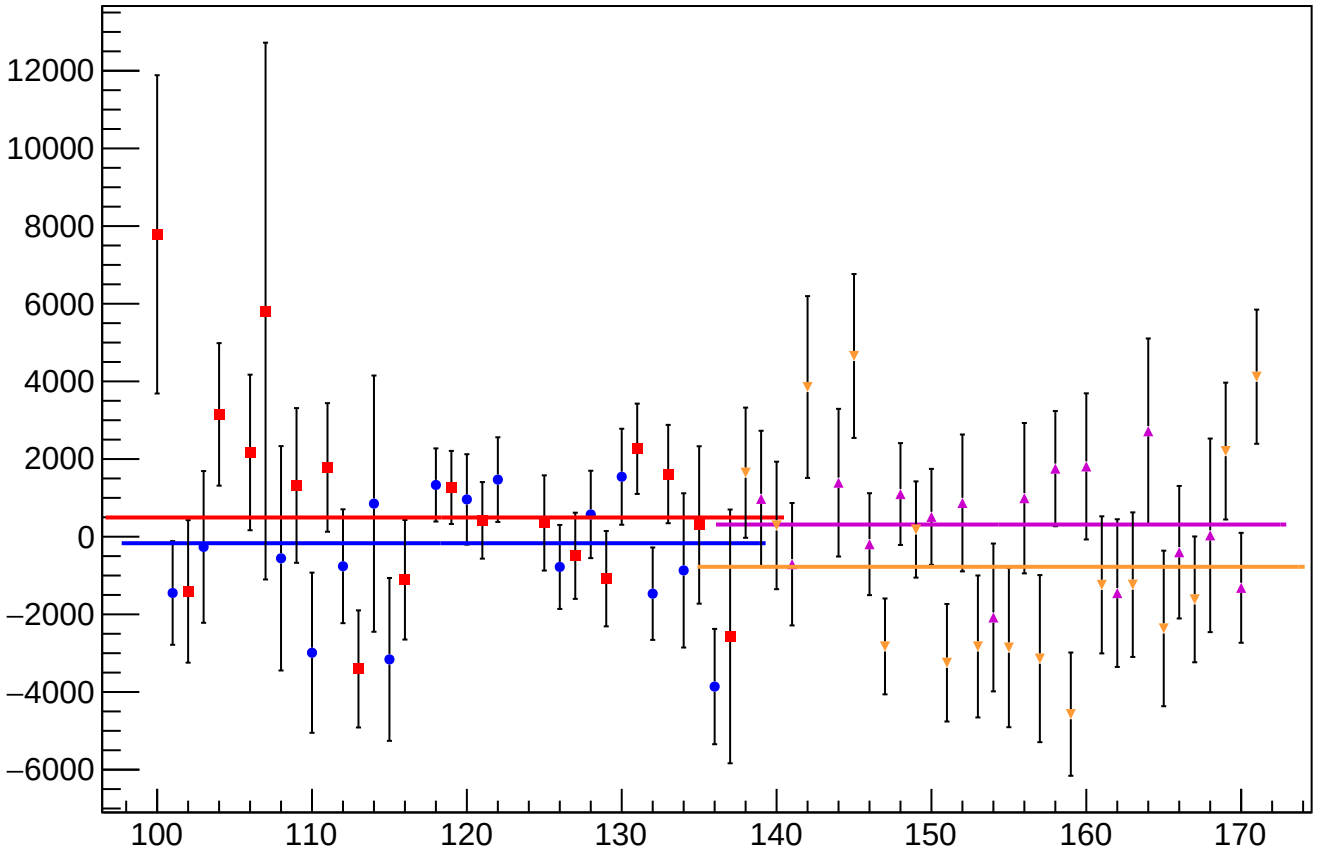
Left: 1108.325+/-0.152 χ^2/NDF: 4609.4/32

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

In: 1106.741+/-0.173 χ^2/NDF:14460.1/31

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

All: 1107.643+/-0.122 χ^2/NDF: 24131.0/66



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

Left Out: -775.345+/-410.854 χ^2/NDF:40.2/16

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

Left In: 313.565+/-412.509 χ^2/NDF:8.2/15

Left: -233.079+/-291.101 χ^2/NDF: 51.9/32

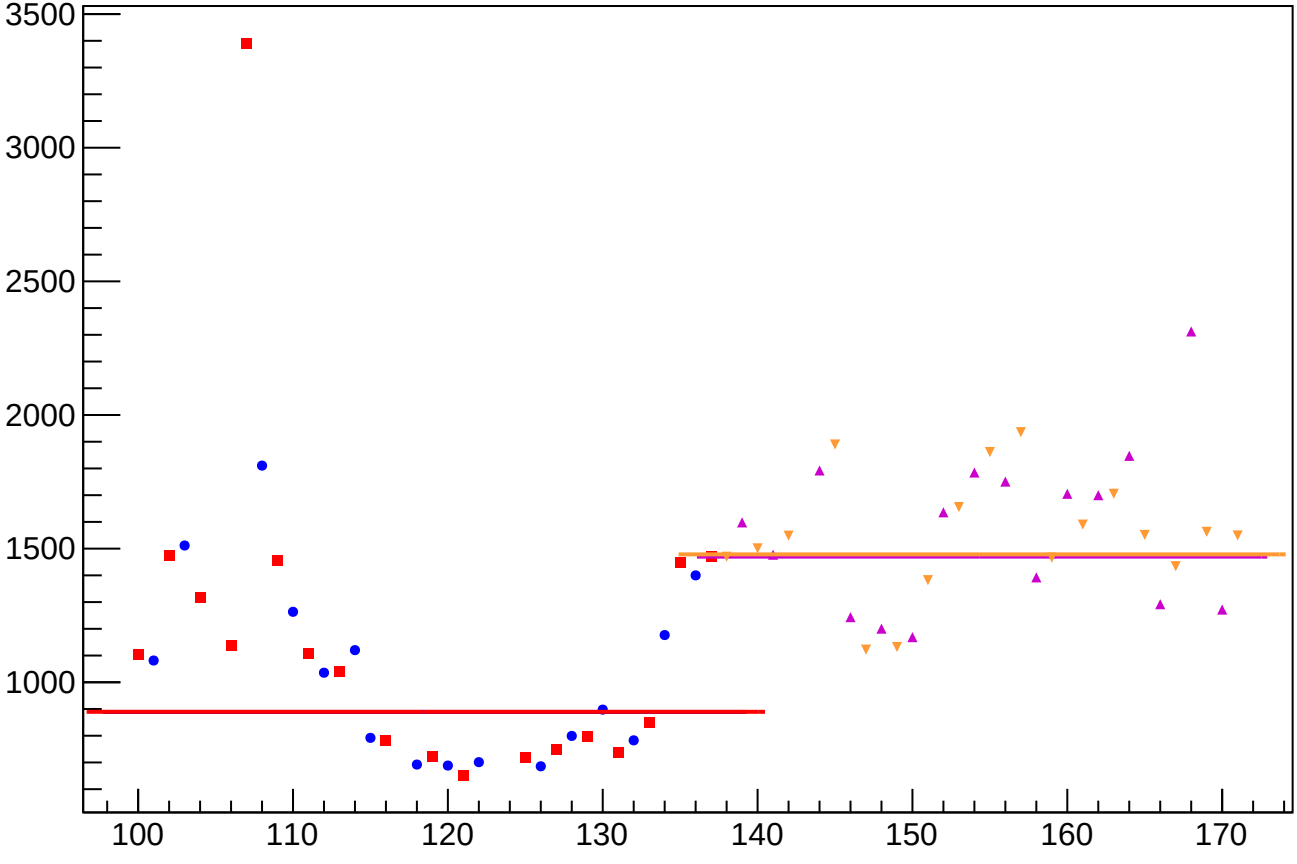
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 30.566+/-264.843 χ^2/NDF:30.0/31

Out: -30.323+/-264.230 χ^2/NDF:69.1/34

All: 0.051+/-187.055 χ^2/NDF: 99.1/66

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: 1470.074+/-0.292 χ^2/NDF:850518.8/15

Left: 1474.315+/-0.206 χ^2/NDF: 1488797.7/32

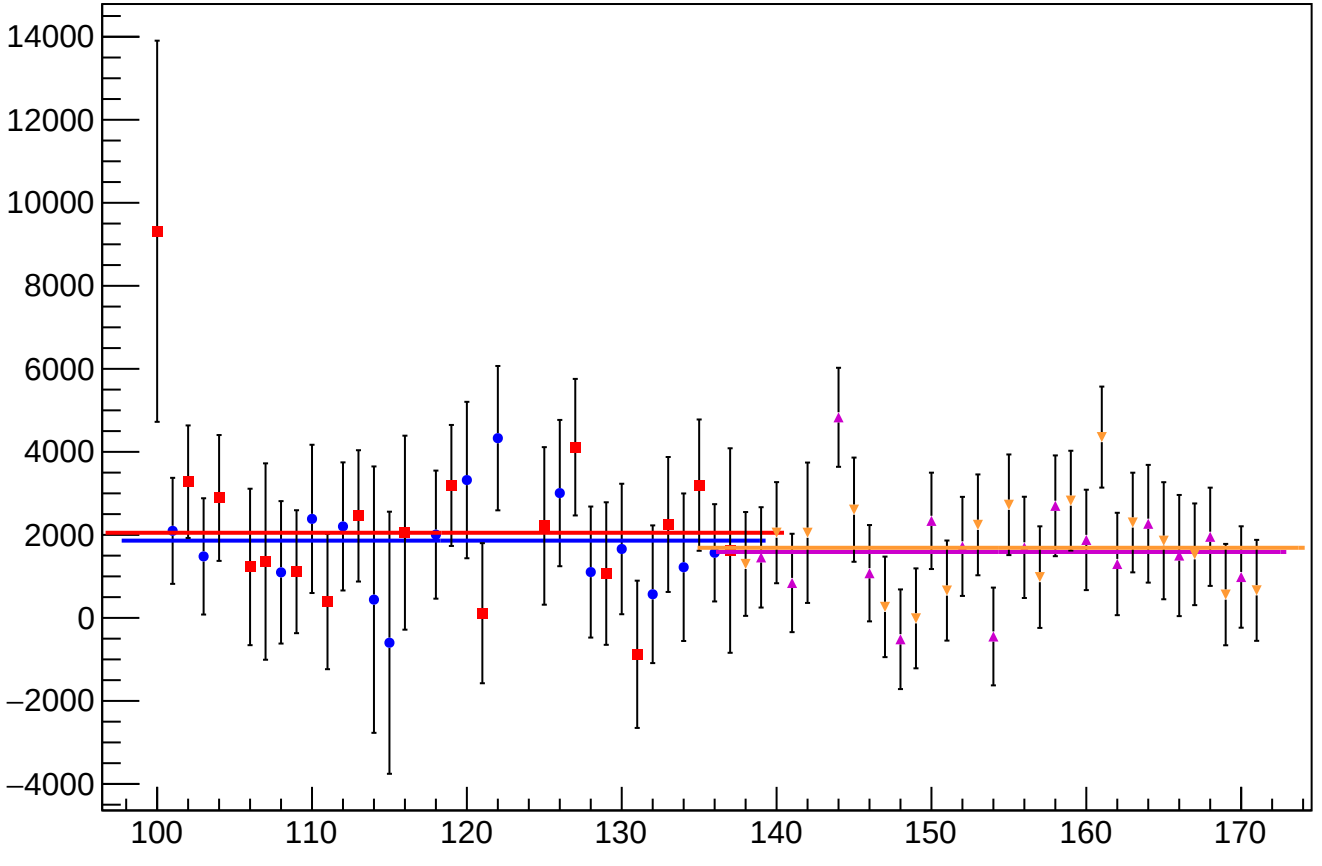
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1128.493+/-0.187 χ^2/NDF:4316309.4/31

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

All: 1130.808+/-0.132 χ^2/NDF: 8710906.0/66

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: 1587.918+/-305.079 χ^2/NDF:16.0/15

Left: 1639.051+/-214.641 χ^2/NDF: 29.8/32

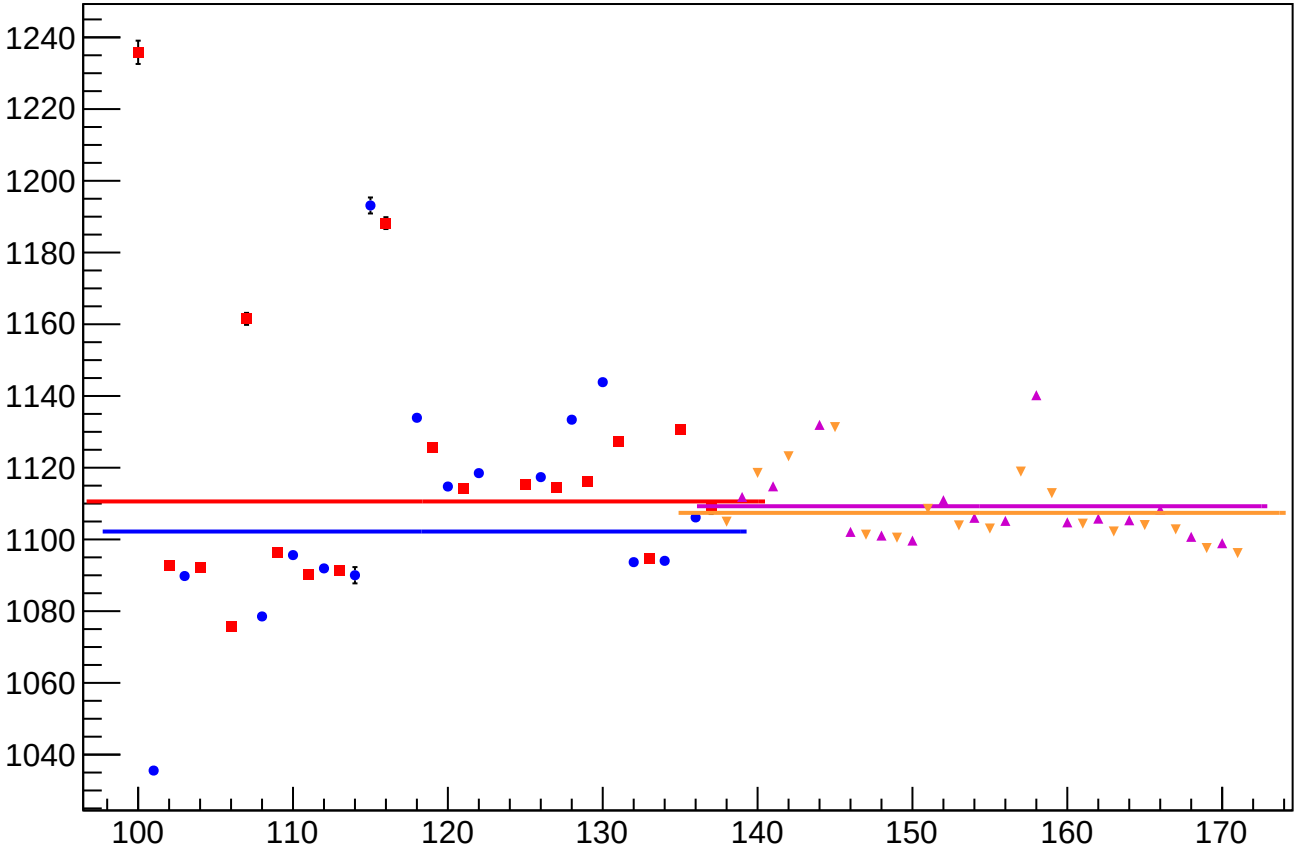
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1685.568+/-244.654 χ^2/NDF:21.6/31

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

All: 1751.575+/-172.416 χ^2/NDF: 48.5/66

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: 1109.258+/-0.216 χ^2/NDF:2729.6/15

Left: 1108.325+/-0.152 χ^2/NDF: 4609.4/32

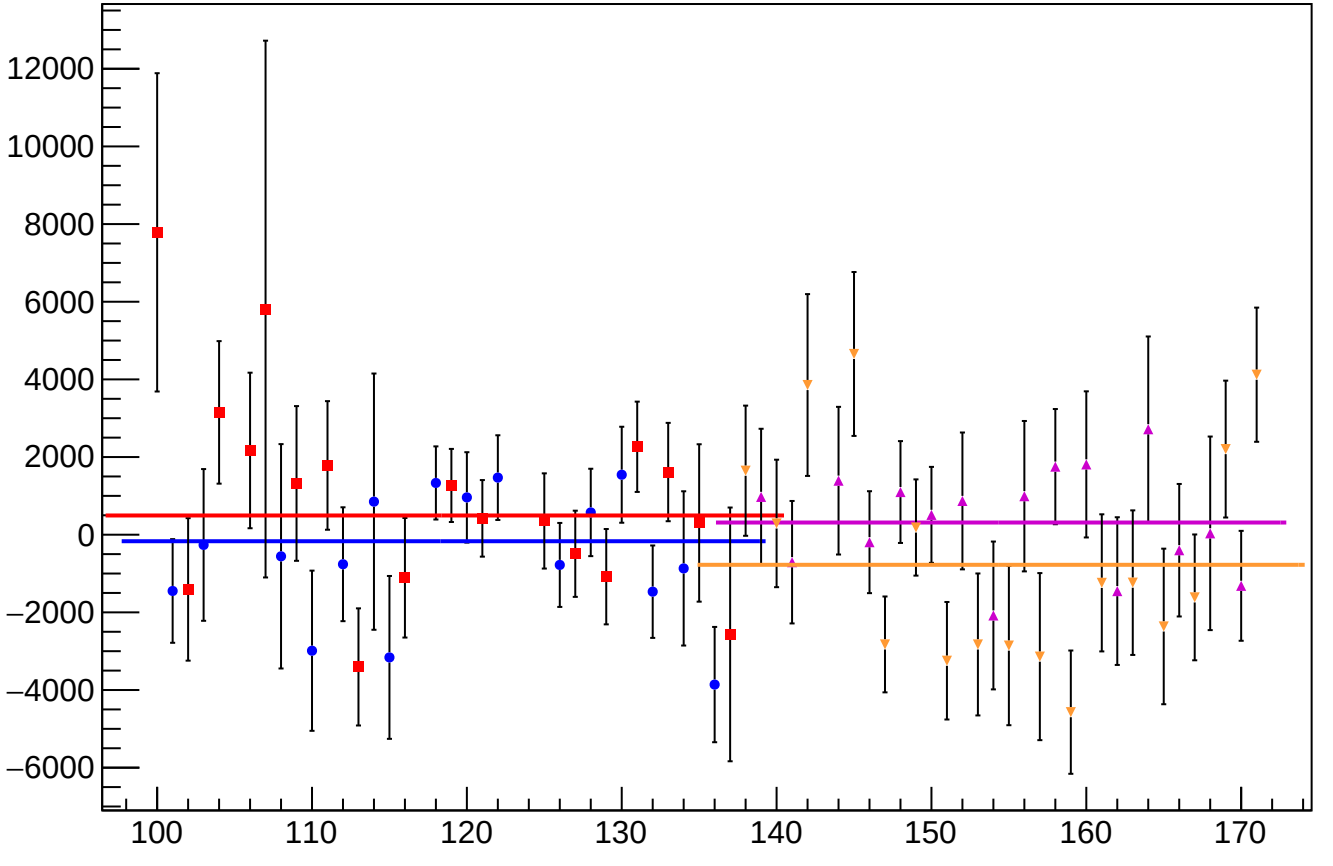
Right: 1106.401+/-0.205 χ^2/NDF: 19464.6/33

In: 1106.741+/-0.173 χ^2/NDF:14460.1/31

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

All: 1107.643+/-0.122 χ^2/NDF: 24131.0/66

asym_usl_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -775.345+/-410.854 χ^2/NDF:40.2/16

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

Left In: 313.565+/-412.509 χ^2/NDF:8.2/15

Left: -233.079+/-291.101 χ^2/NDF: 51.9/32

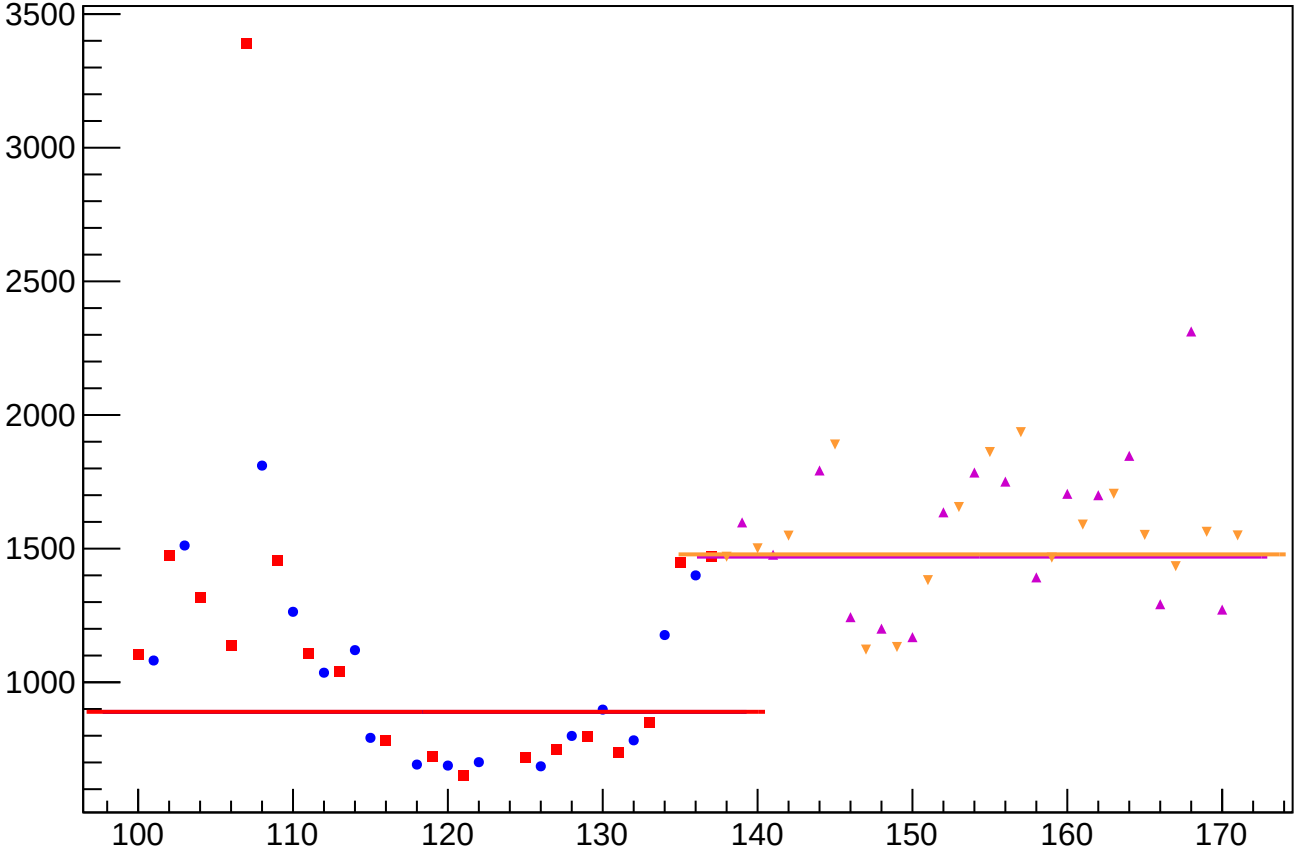
Right: 164.012+/-244.127 χ^2/NDF: 46.1/33

In: 30.566+/-264.843 χ^2/NDF:30.0/31

Out: -30.323+/-264.230 χ^2/NDF:69.1/34

All: 0.051+/-187.055 χ^2/NDF: 99.1/66

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: 1470.074+/-0.292 χ^2/NDF:850518.8/15

Left: 1474.315+/-0.206 χ^2/NDF: 1488797.7/32

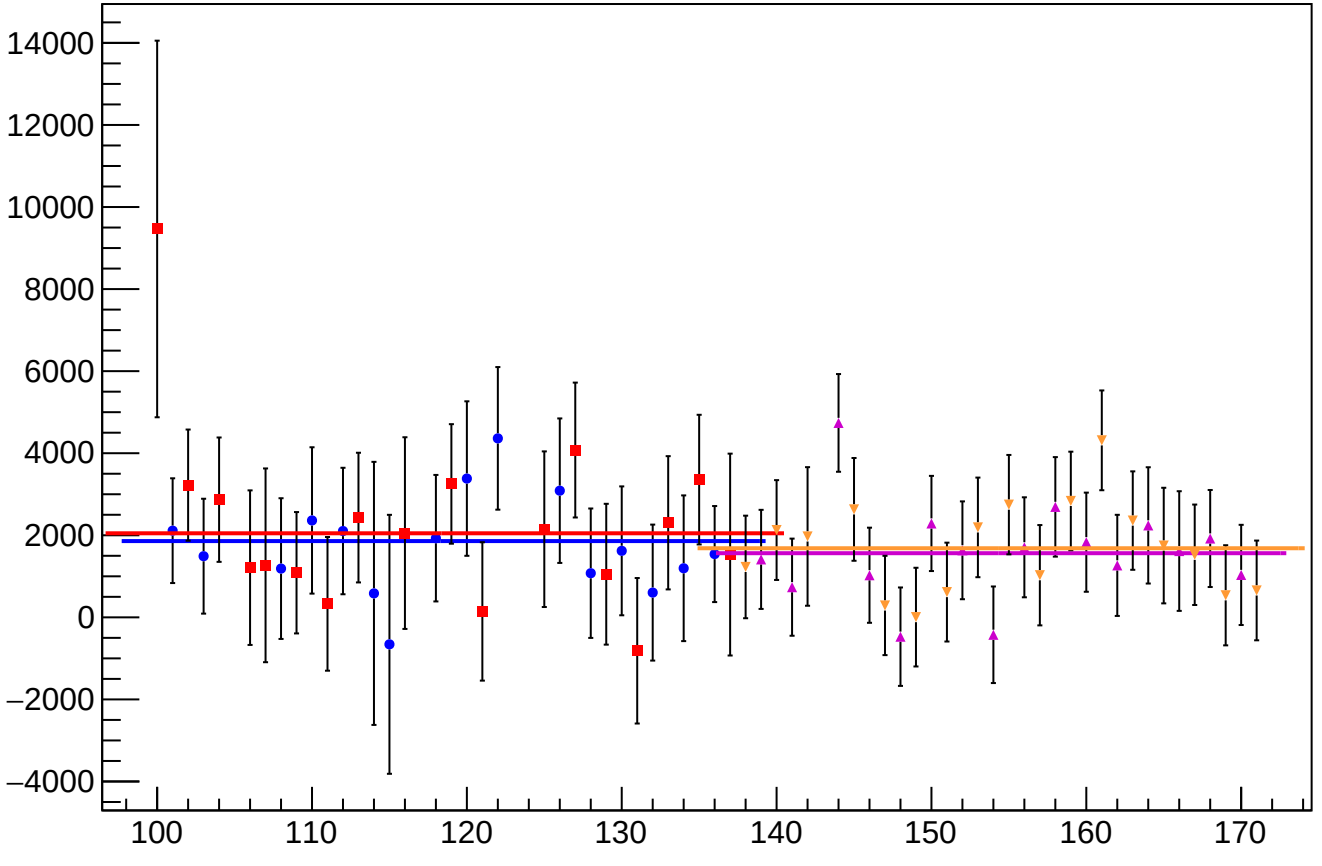
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1128.493+/-0.187 χ^2/NDF:4316309.4/31

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

All: 1130.808+/-0.132 χ^2/NDF: 8710906.0/66

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: 1563.403+/-304.776 χ^2/NDF:15.5/15

Left: 1624.336+/-214.427 χ^2/NDF: 29.2/32

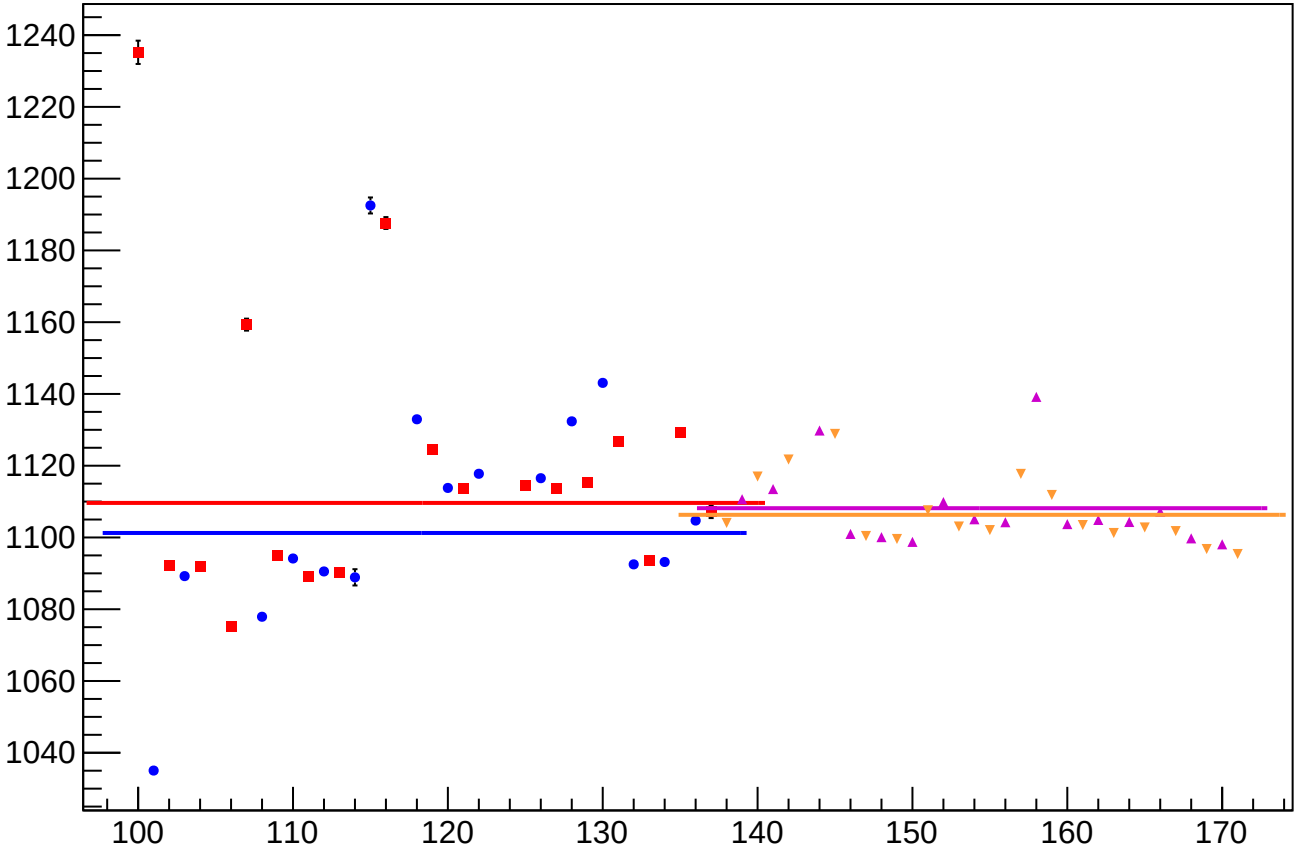
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1668.770+/-244.422 χ^2/NDF:21.2/31

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

All: 1741.173+/-172.252 χ^2/NDF: 48.4/66

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: 1108.158+/-0.216 χ^2/NDF:2649.6/15

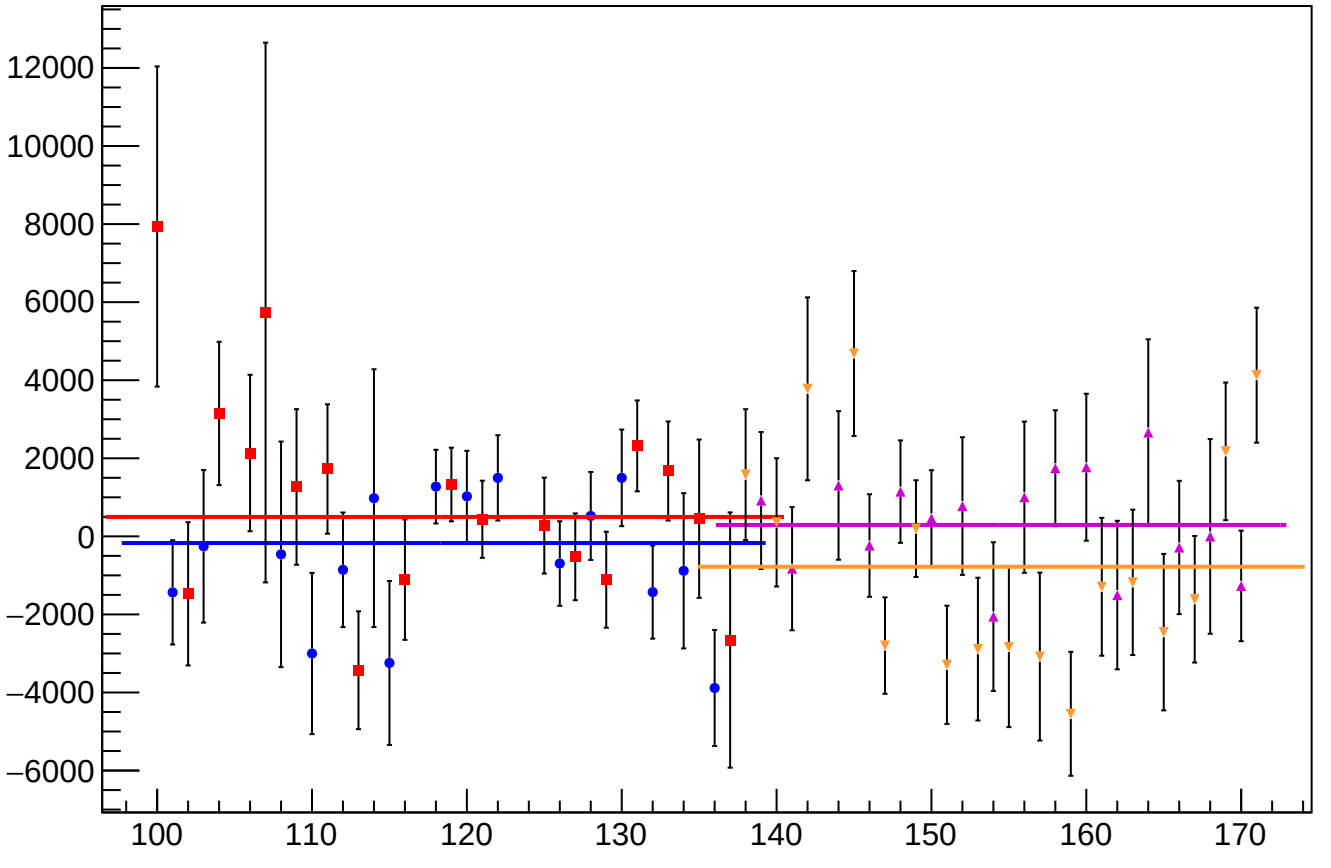
Left: 1107.227+/-0.152 χ^2/NDF: 4400.7/32

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

In: 1105.695+/-0.173 χ^2/NDF:14324.0/31

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

All: 1106.594+/-0.122 χ^2/NDF: 23850.2/66



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: 292.183+/-412.753 χ^2/NDF:8.0/15

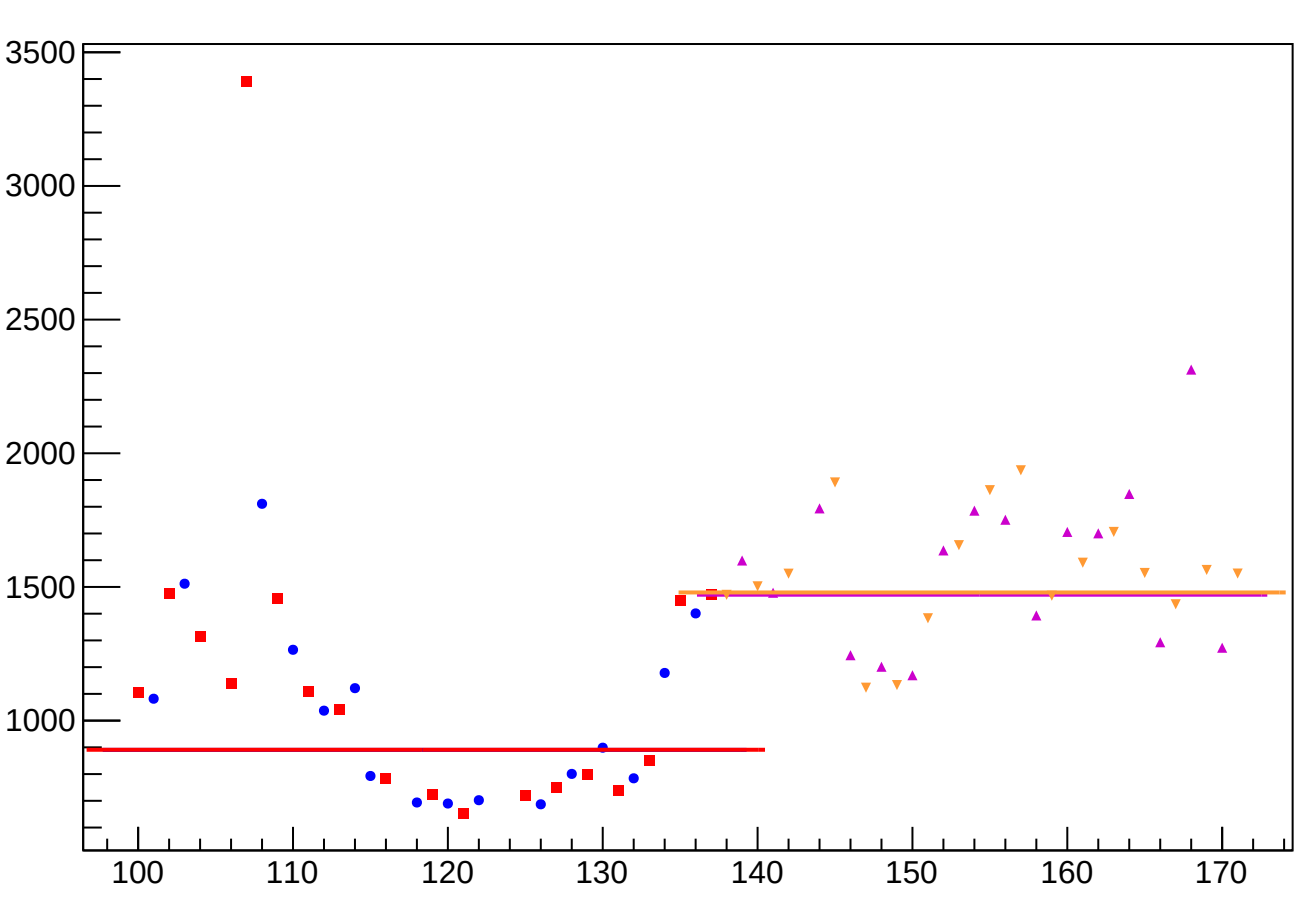
Left: -245.417+/-291.270 χ^2/NDF: 51.5/32

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

In: 20.183+/-265.150 χ^2/NDF:29.7/31

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

All: -5.287+/-187.267 χ^2/NDF: 99.3/66



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: 1470.987+/-0.292 χ^2/NDF:849220.0/15

Left: 1475.217+/-0.206 χ^2/NDF: 1486465.9/32

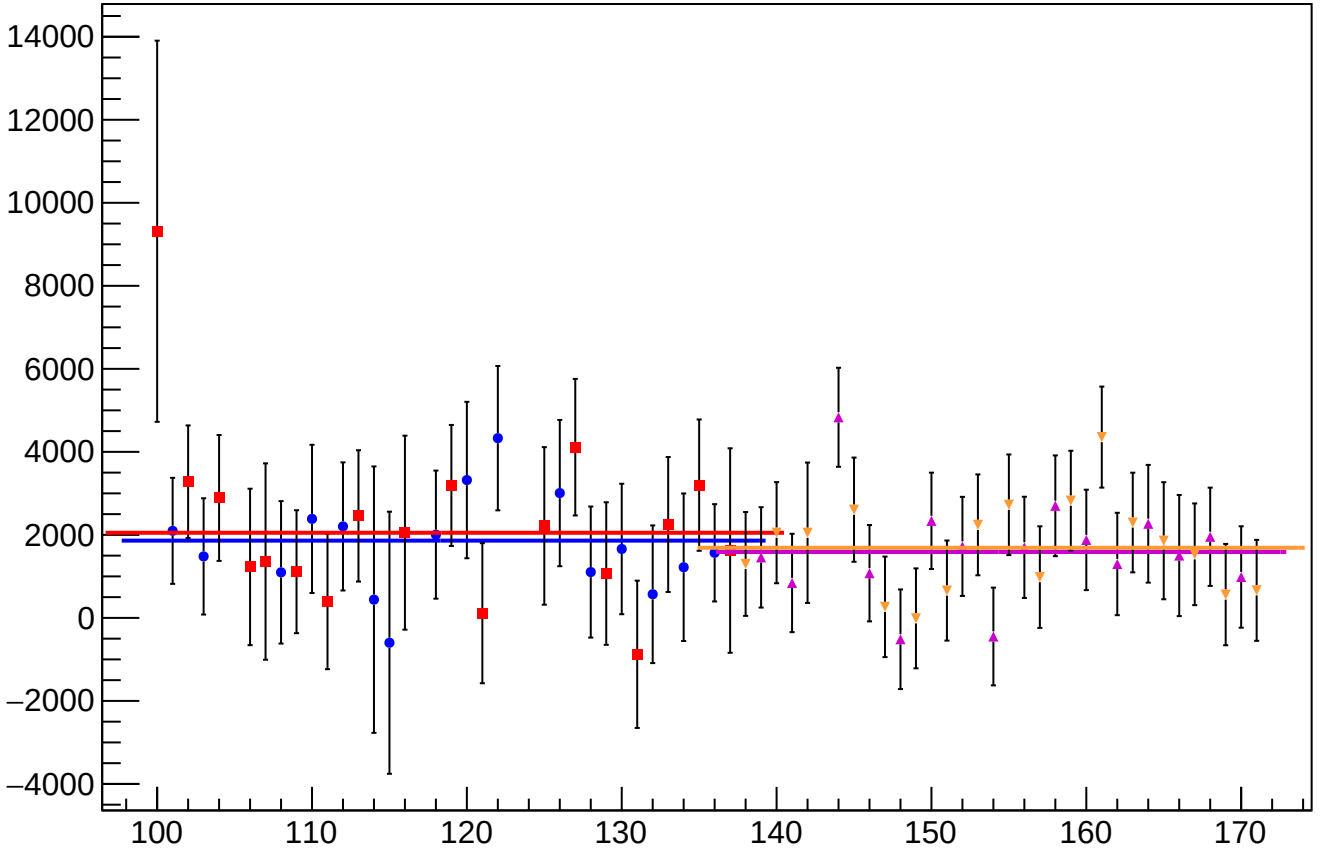
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1130.047+/-0.187 χ^2/NDF:4301363.4/31

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

All: 1132.326+/-0.132 χ^2/NDF: 8681752.6/66

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: 1587.918+/-305.079 χ^2/NDF:16.0/15

Left: 1639.051+/-214.641 χ^2/NDF: 29.8/32

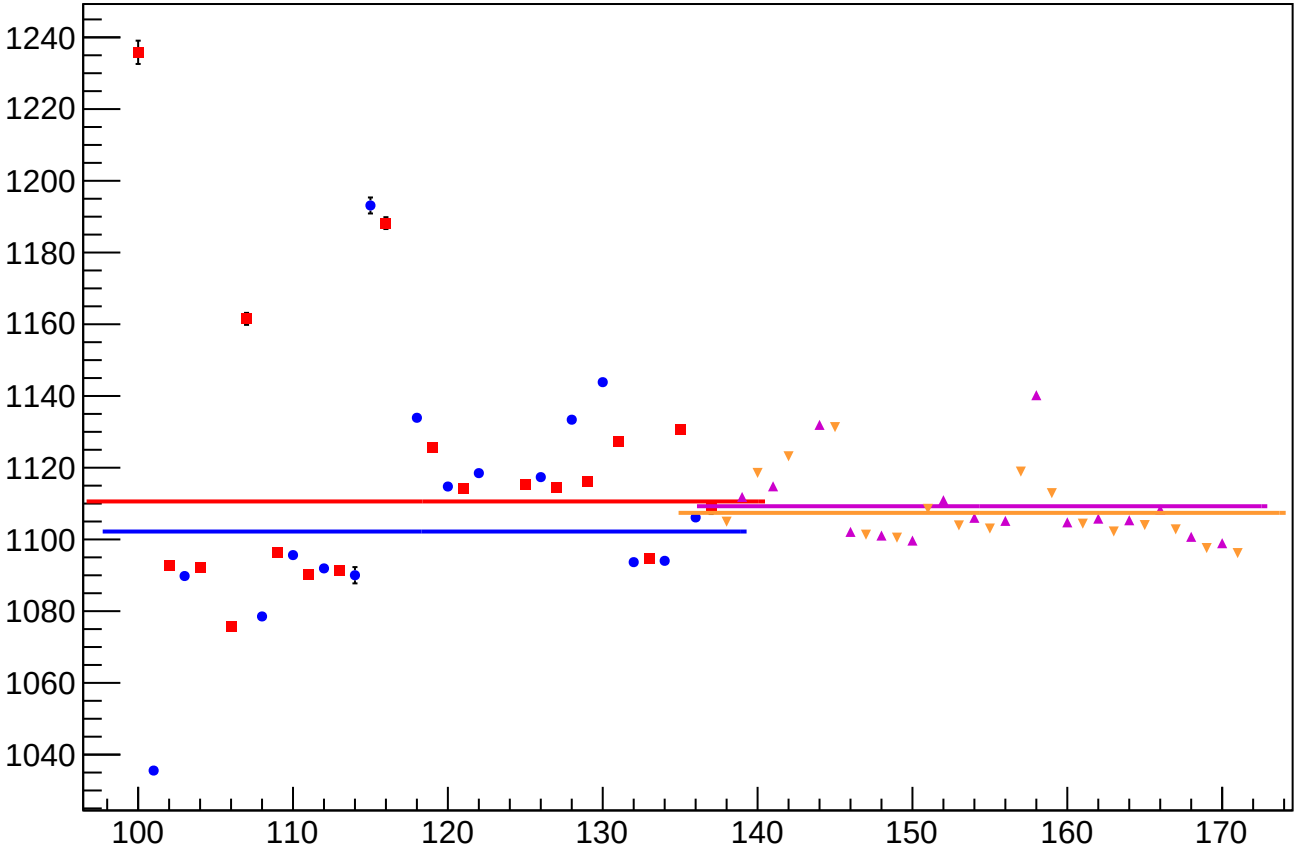
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1685.568+/-244.654 χ^2/NDF:21.6/31

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

All: 1751.575+/-172.416 χ^2/NDF: 48.5/66

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: 1109.258+/-0.216 χ^2/NDF:2729.6/15

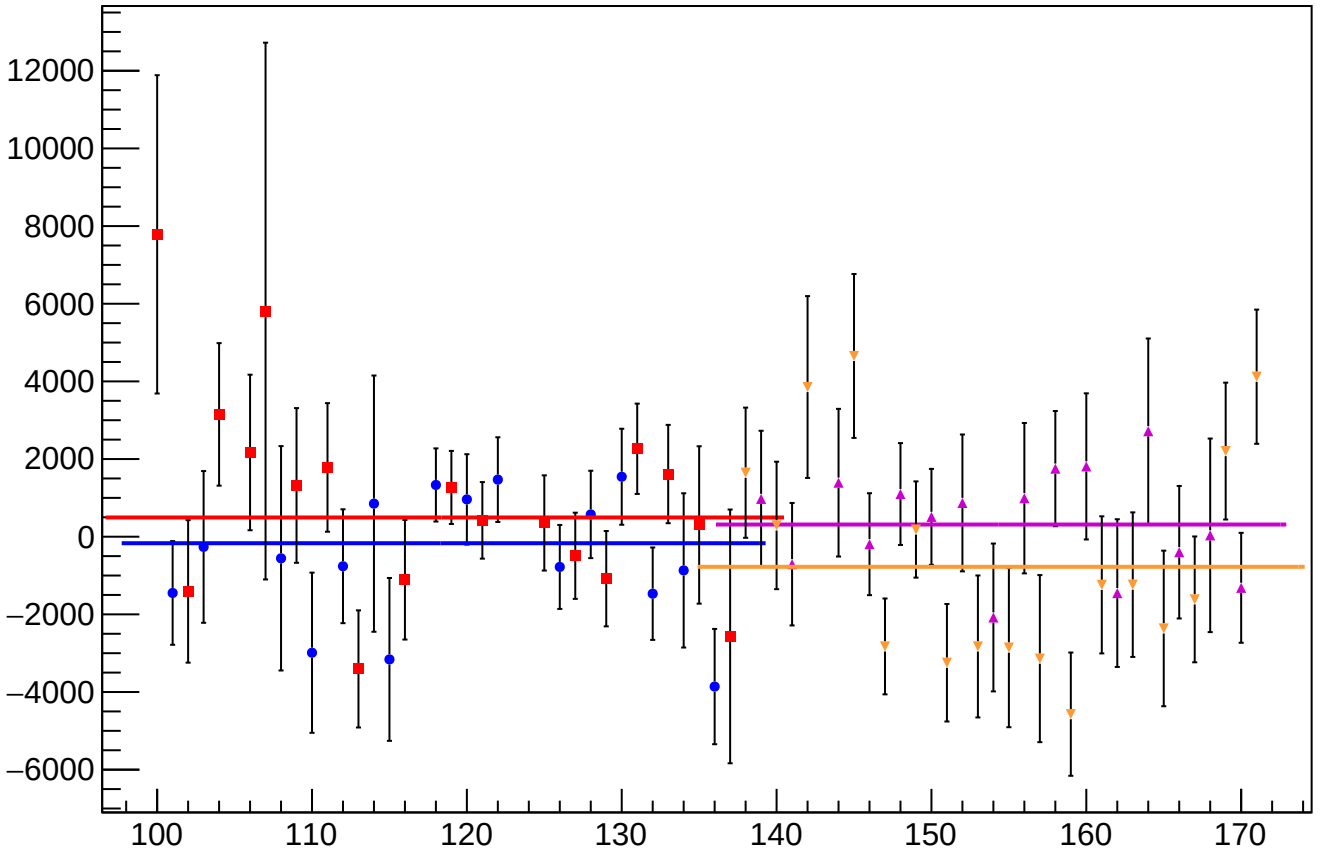
Left: 1108.325+/-0.152 χ^2/NDF: 4609.4/32

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

In: 1106.741+/-0.173 χ^2/NDF:14460.1/31

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

All: 1107.643+/-0.122 χ^2/NDF: 24131.0/66



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

Left Out: -775.345+/-410.854 χ^2/NDF:40.2/16

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

Left In: 313.565+/-412.509 χ^2/NDF:8.2/15

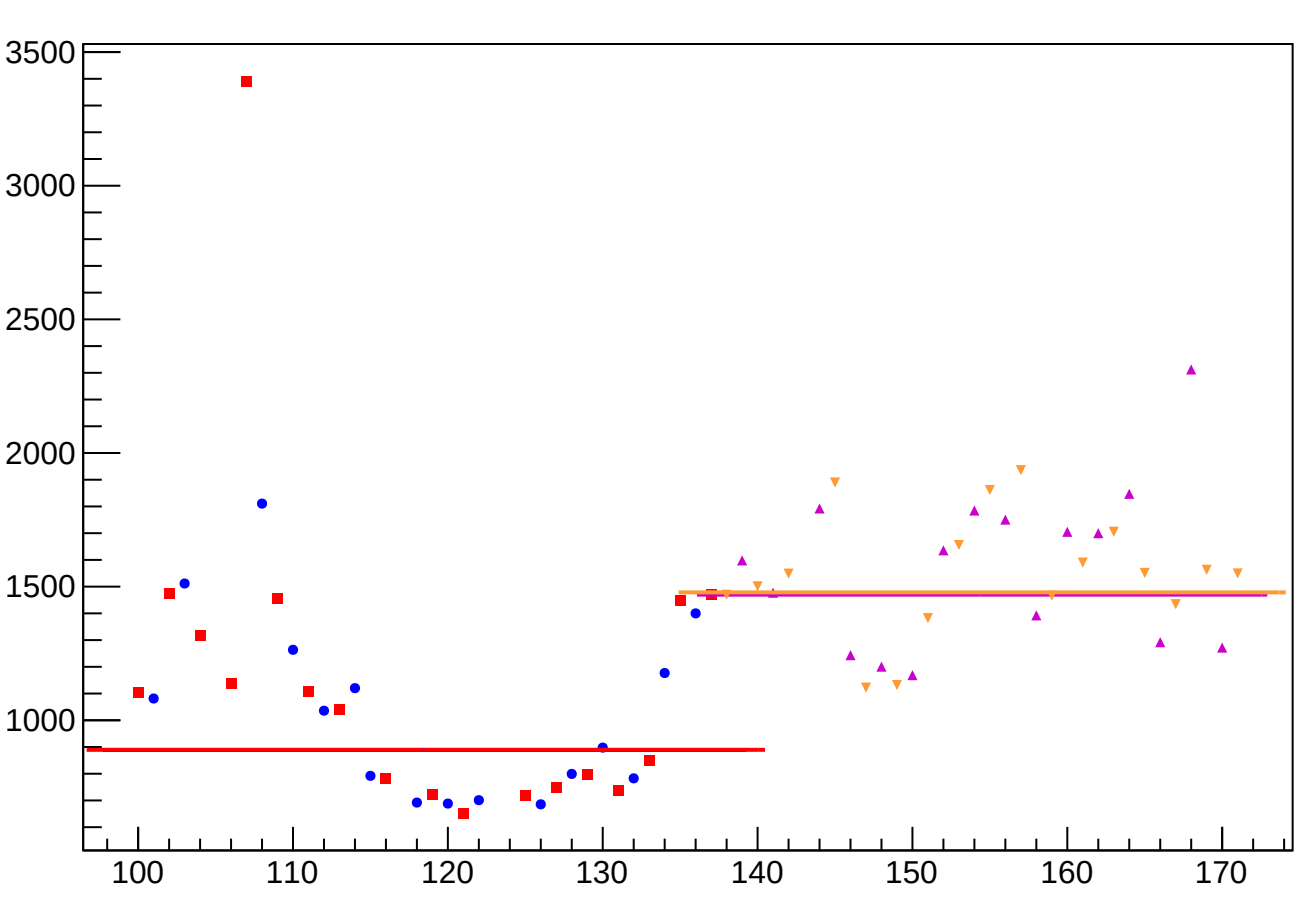
Left: -233.079+/-291.101 χ^2/NDF: 51.9/32

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

In: 30.566+/-264.843 χ^2/NDF:30.0/31

Out: -30.323+/-264.230 χ^2/NDF:69.1/34

All: 0.051+/-187.055 χ^2/NDF: 99.1/66



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: 1470.074+/-0.292 χ^2/NDF:850518.8/15

Left: 1474.315+/-0.206 χ^2/NDF: 1488797.7/32

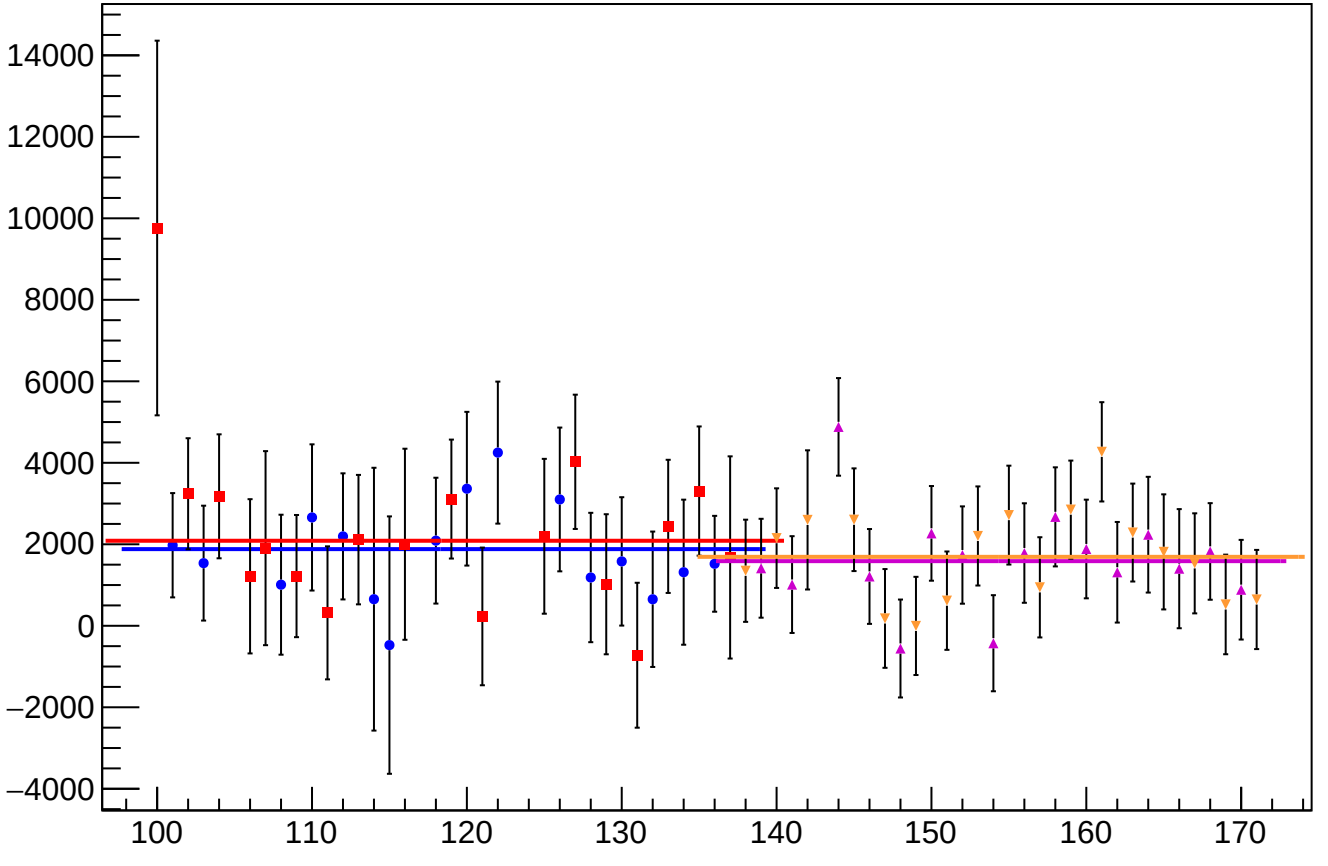
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1128.493+/-0.187 χ^2/NDF:4316309.4/31

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

All: 1130.808+/-0.132 χ^2/NDF: 8710906.0/66

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: 1586.352+/-305.615 χ^2/NDF:15.9/15

Left: 1639.783+/-215.047 χ^2/NDF: 29.9/32

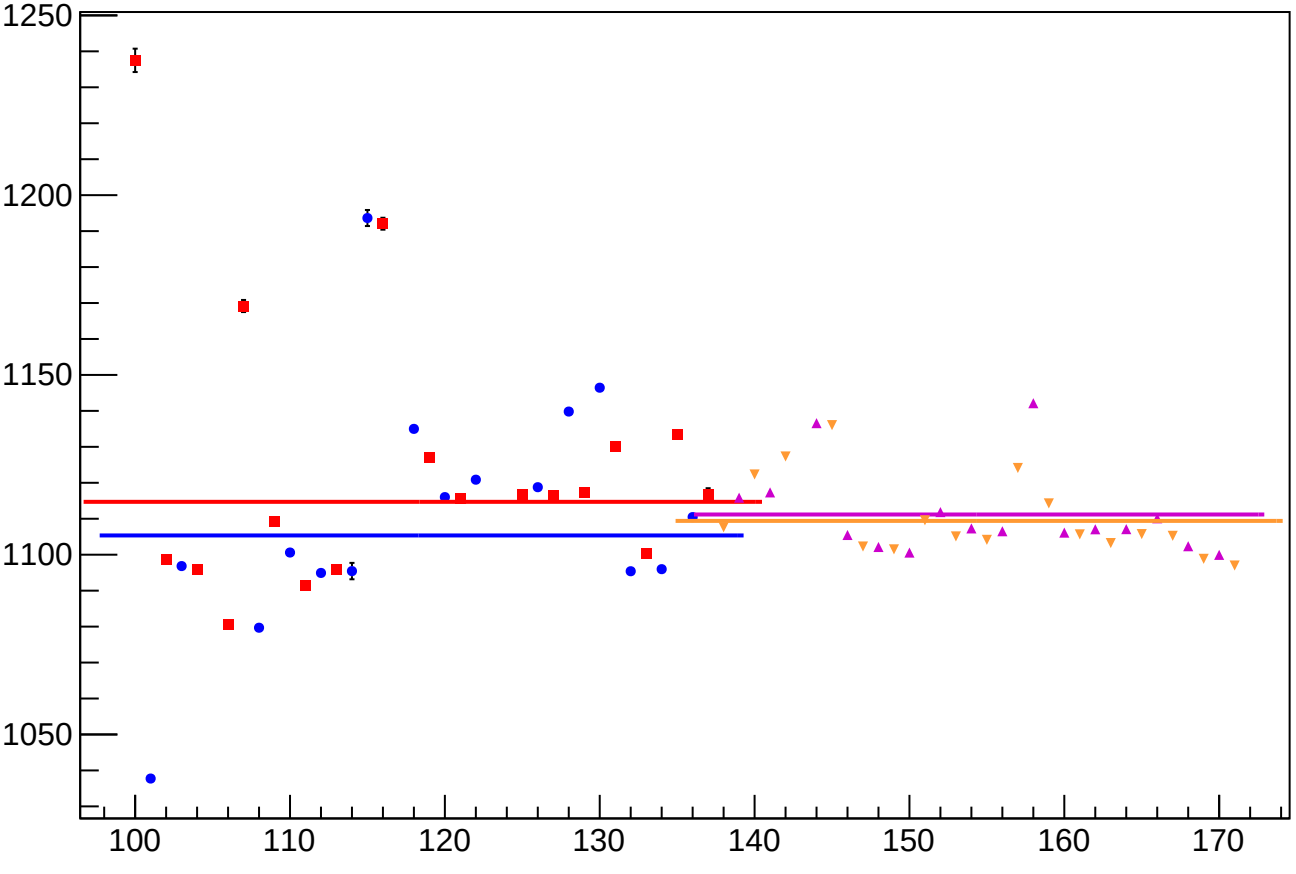
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1691.548+/-245.181 χ^2/NDF:21.4/31

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

All: 1761.735+/-172.829 χ^2/NDF: 48.5/66

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: 1111.183+/-0.216 χ^2/NDF:3011.3/15

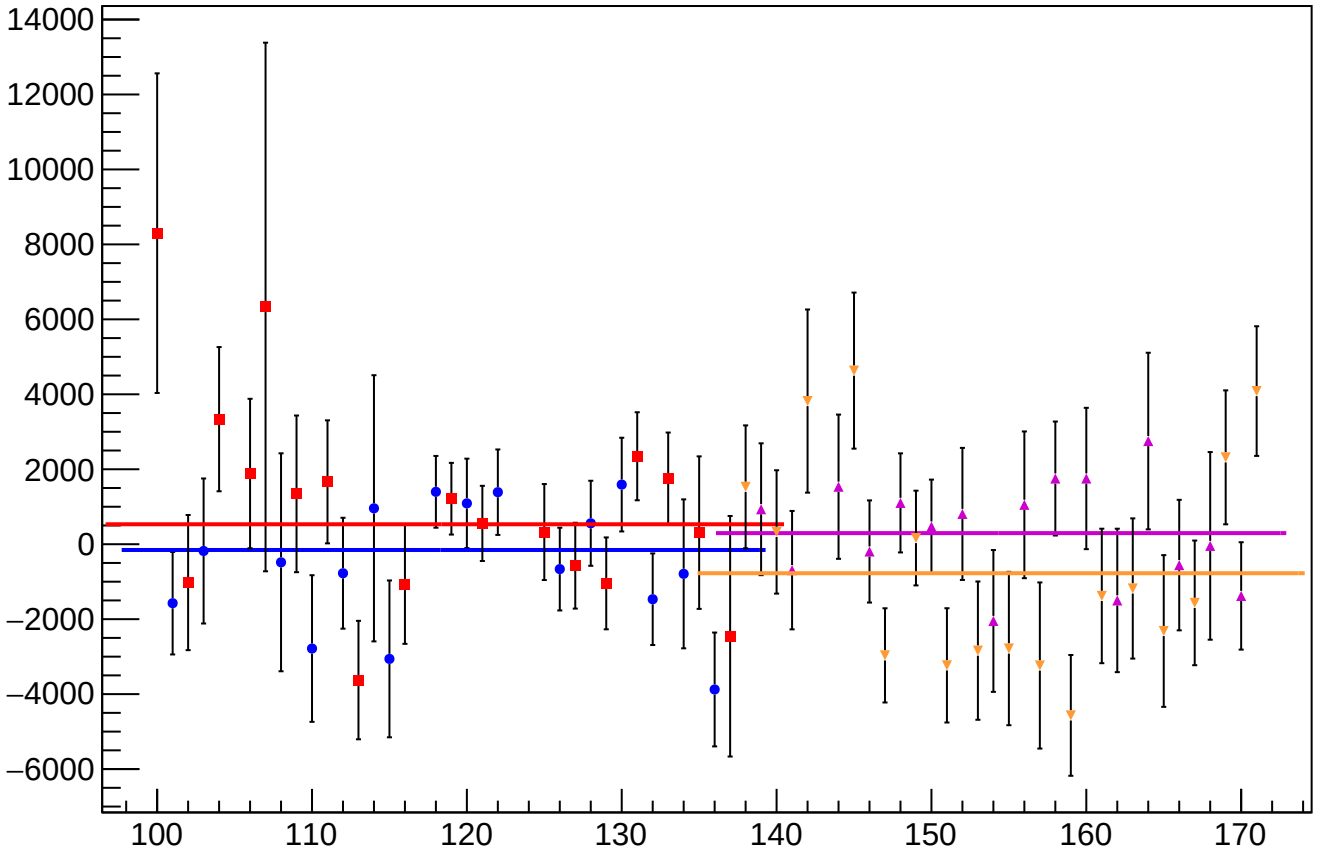
Left: 1110.284+/-0.152 χ^2/NDF: 5389.1/32

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

In: 1109.106+/-0.173 χ^2/NDF:14601.4/31

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

All: 1110.194+/-0.122 χ^2/NDF: 24569.4/66



Right In: -153.999+/-351.318 χ^2/NDF: 20.5/15

Left Out: -773.938+/-415.256 χ^2/NDF:39.7/16

Right Out: 532.155+/-350.407 χ^2/NDF: 23.2/17

Left In: 296.140+/-417.121 χ^2/NDF:8.3/15

Left: -241.297+/-294.287 χ^2/NDF: 51.4/32

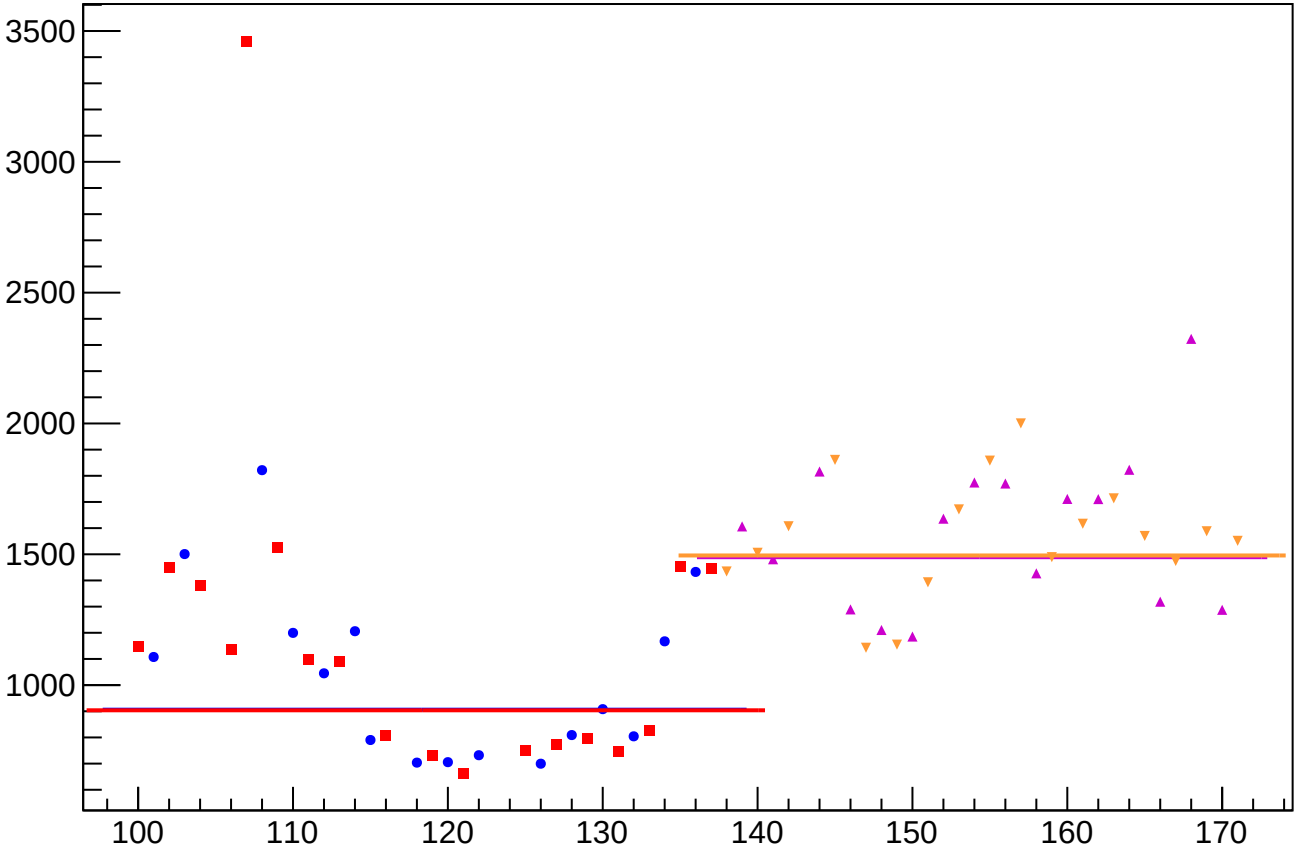
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 32.804+/-268.708 χ^2/NDF:29.5/31

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

All: 10.799+/-189.684 χ^2/NDF: 98.2/66

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: 1488.919+/-0.295 χ^2/NDF:795437.9/15

Left: 1492.229+/-0.208 χ^2/NDF: 1407828.5/32

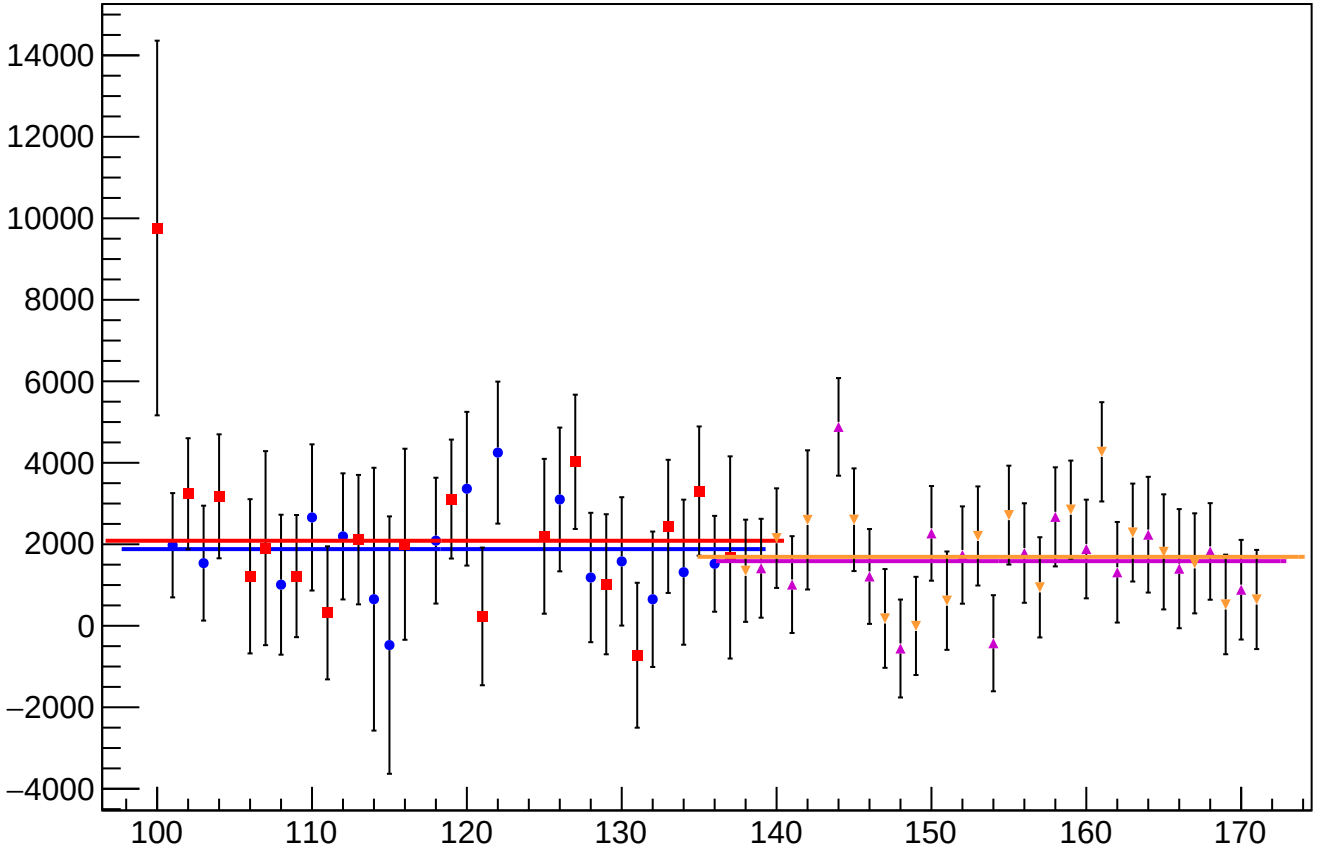
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1147.927+/-0.190 χ^2/NDF:4159589.5/31

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

All: 1148.901+/-0.134 χ^2/NDF: 8484041.9/66

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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: 1586.354+/-305.615 χ^2/NDF:15.9/15

Left: 1639.782+/-215.047 χ^2/NDF: 29.9/32

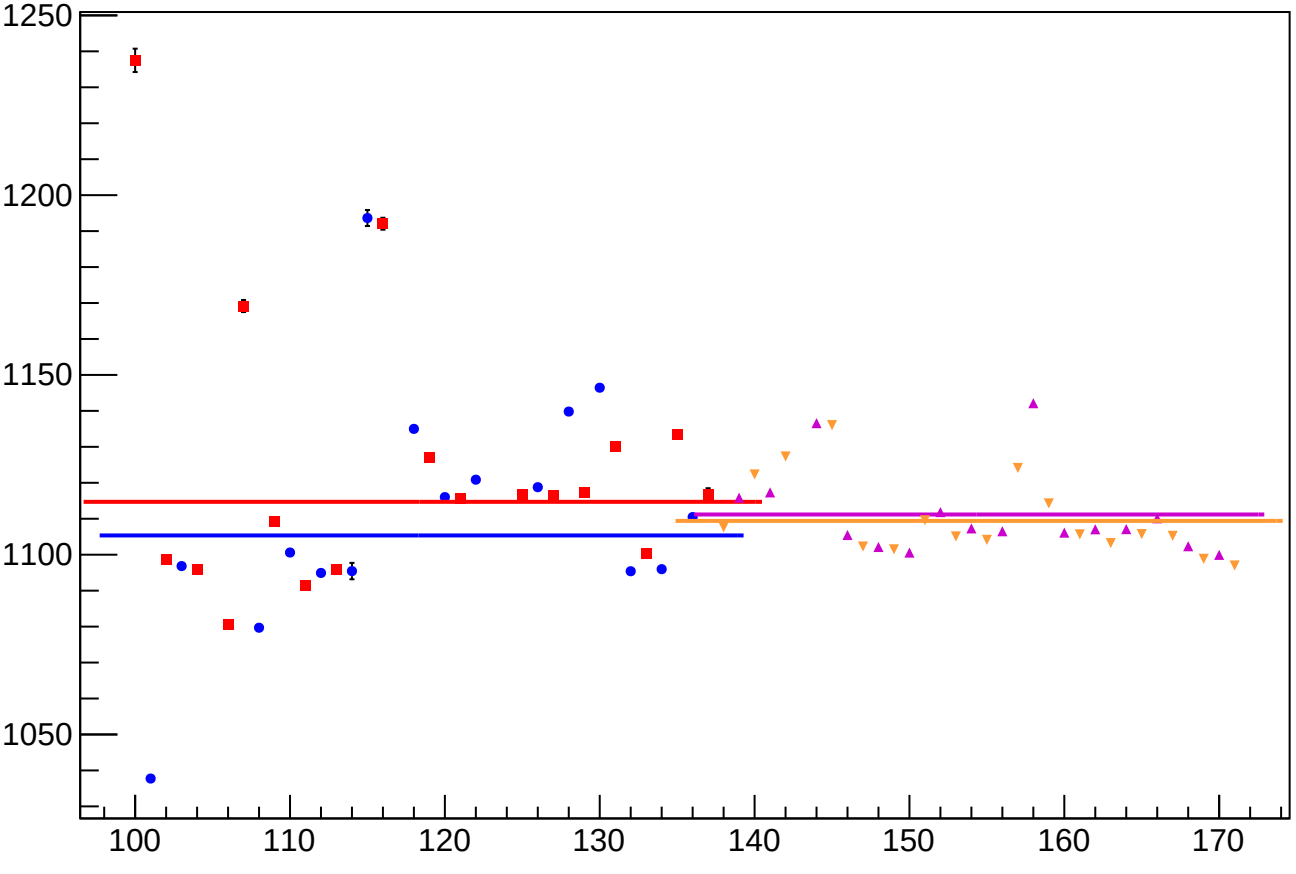
Right: 1984.182+/-290.439 χ^2/NDF: 17.7/33

In: 1691.549+/-245.181 χ^2/NDF:21.4/31

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

All: 1761.733+/-172.829 χ^2/NDF: 48.5/66

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: 1111.183+/-0.216 χ^2/NDF:3011.3/15

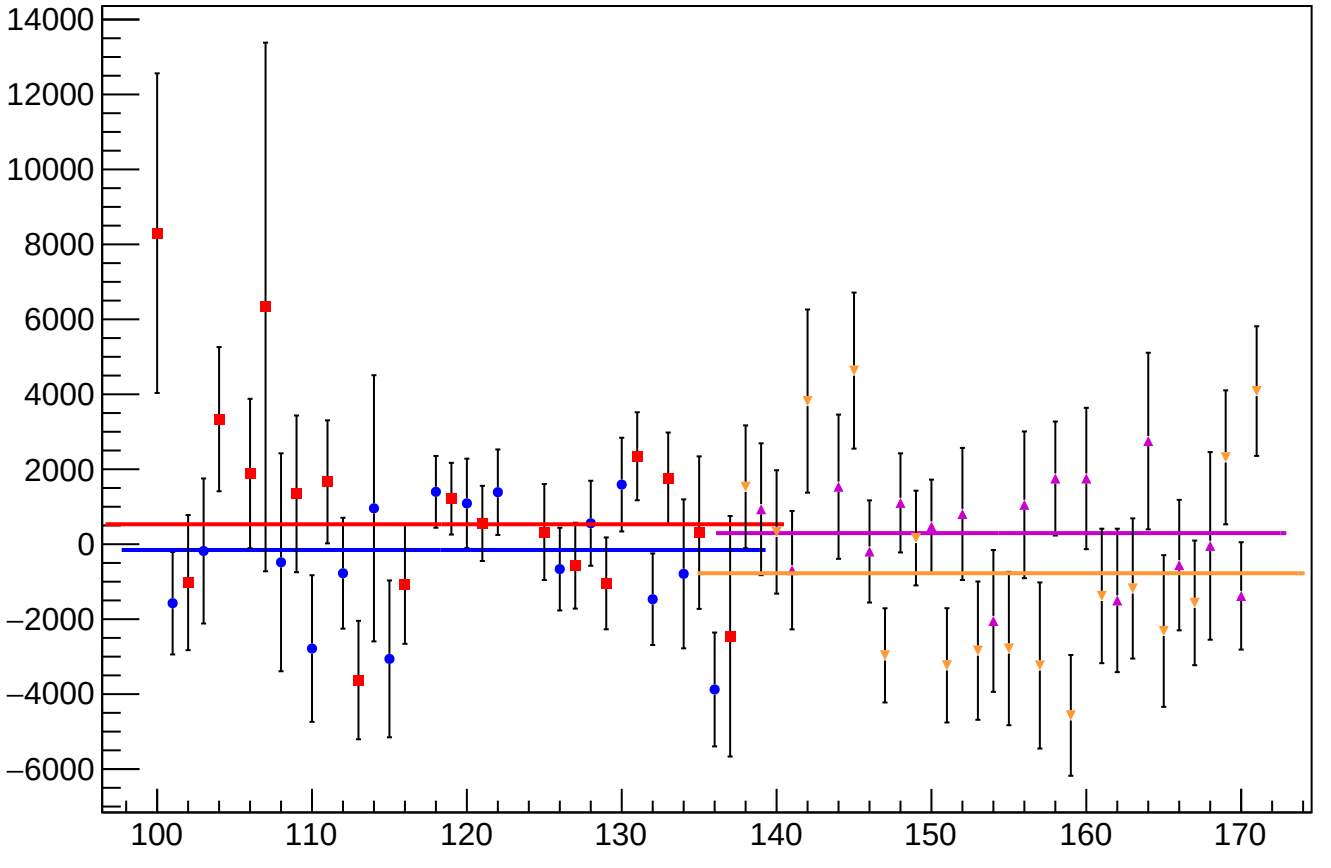
Left: 1110.284+/-0.152 χ^2/NDF: 5389.1/32

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

In: 1109.106+/-0.173 χ^2/NDF:14601.5/31

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

All: 1110.194+/-0.122 χ^2/NDF: 24569.4/66



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: 296.141+/-417.121 χ^2/NDF:8.3/15

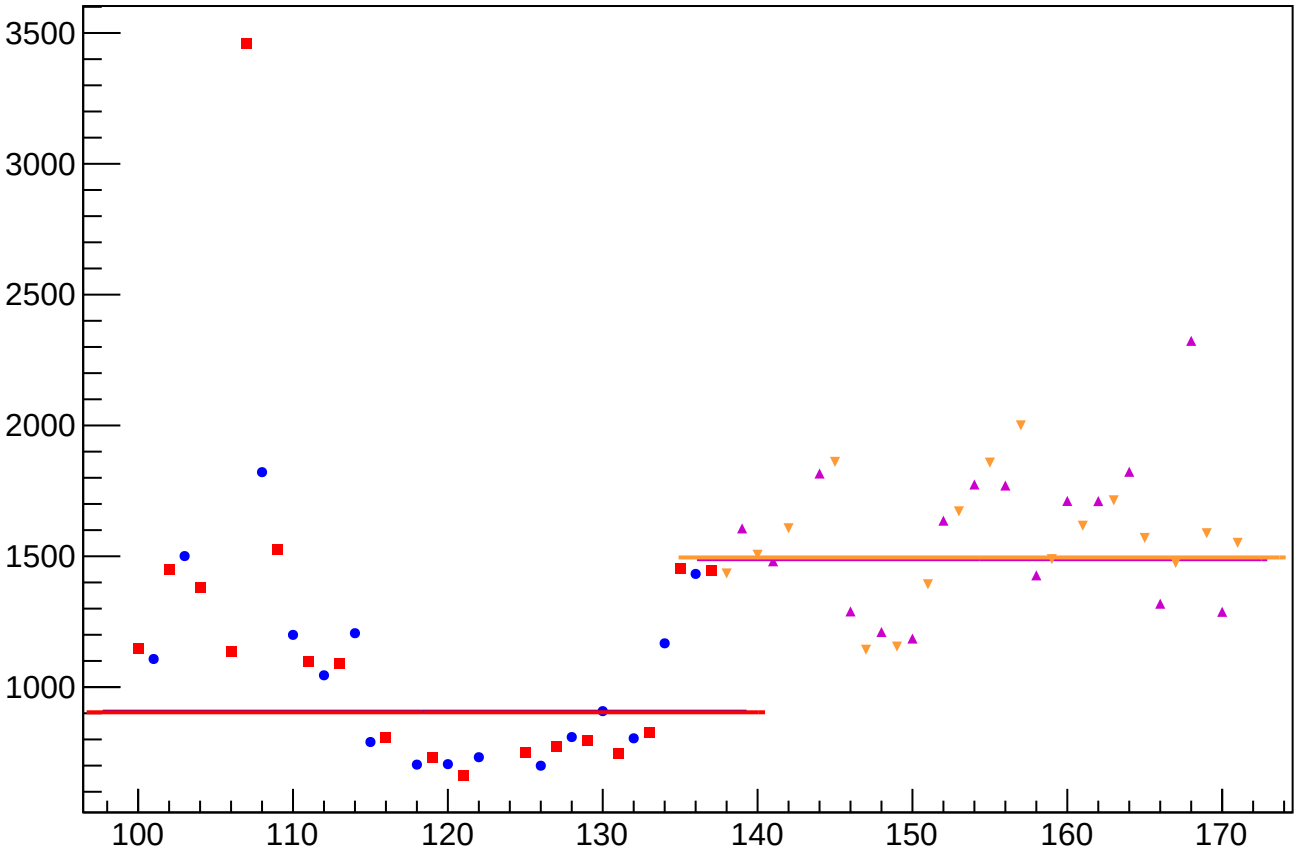
Left: -241.299+/-294.288 χ^2/NDF: 51.4/32

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

In: 32.805+/-268.708 χ^2/NDF:29.5/31

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

All: 10.799+/-189.684 χ^2/NDF: 98.2/66



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: 1488.921+/-0.295 χ^2/NDF:795434.7/15

Left: 1492.231+/-0.208 χ^2/NDF: 1407821.6/32

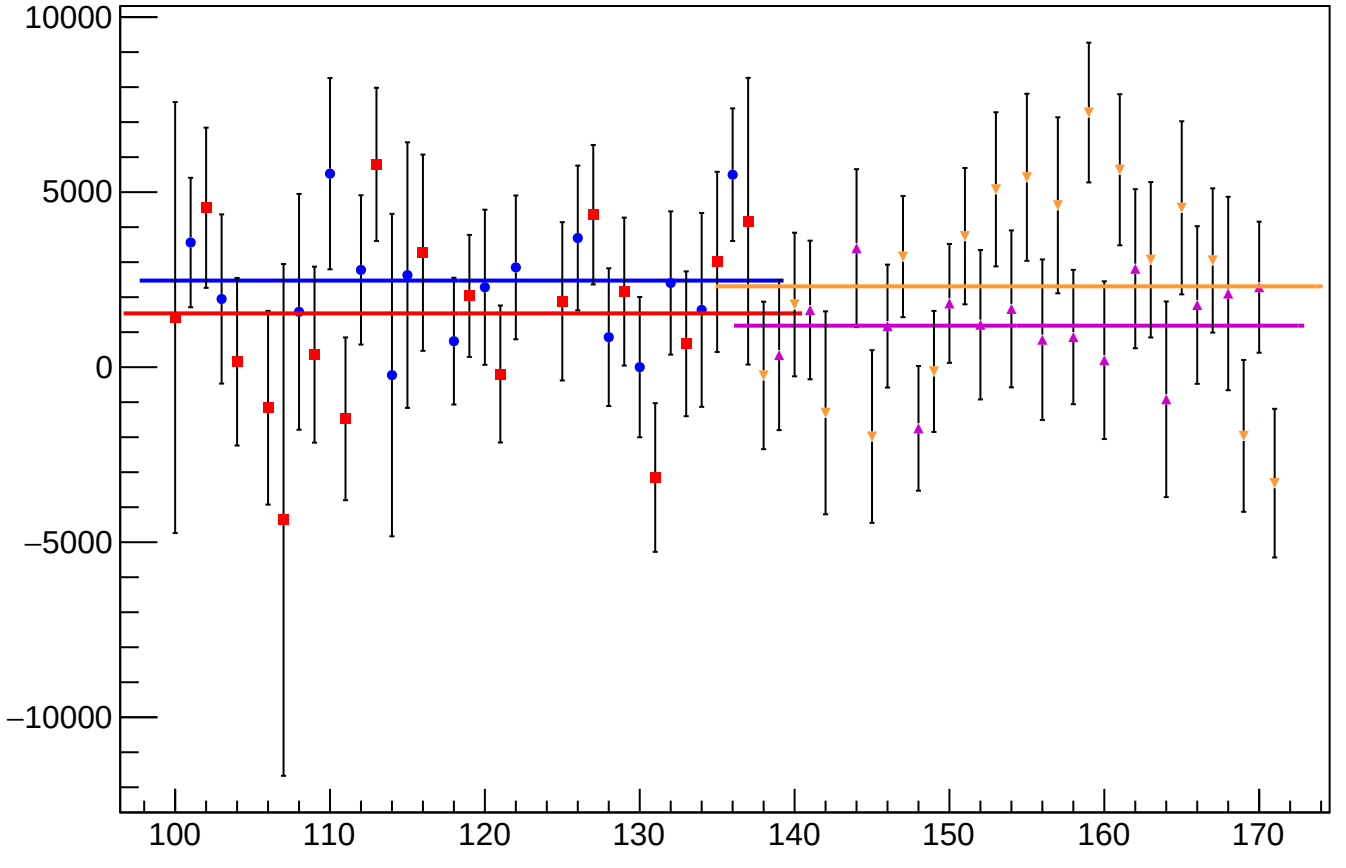
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1147.926+/-0.190 χ^2/NDF:4159619.8/31

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

All: 1148.900+/-0.134 χ^2/NDF: 8484104.2/66

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: 1185.533+/-522.137 χ^2/NDF:5.9/15

Left: 1751.773+/-367.879 χ^2/NDF: 41.8/32

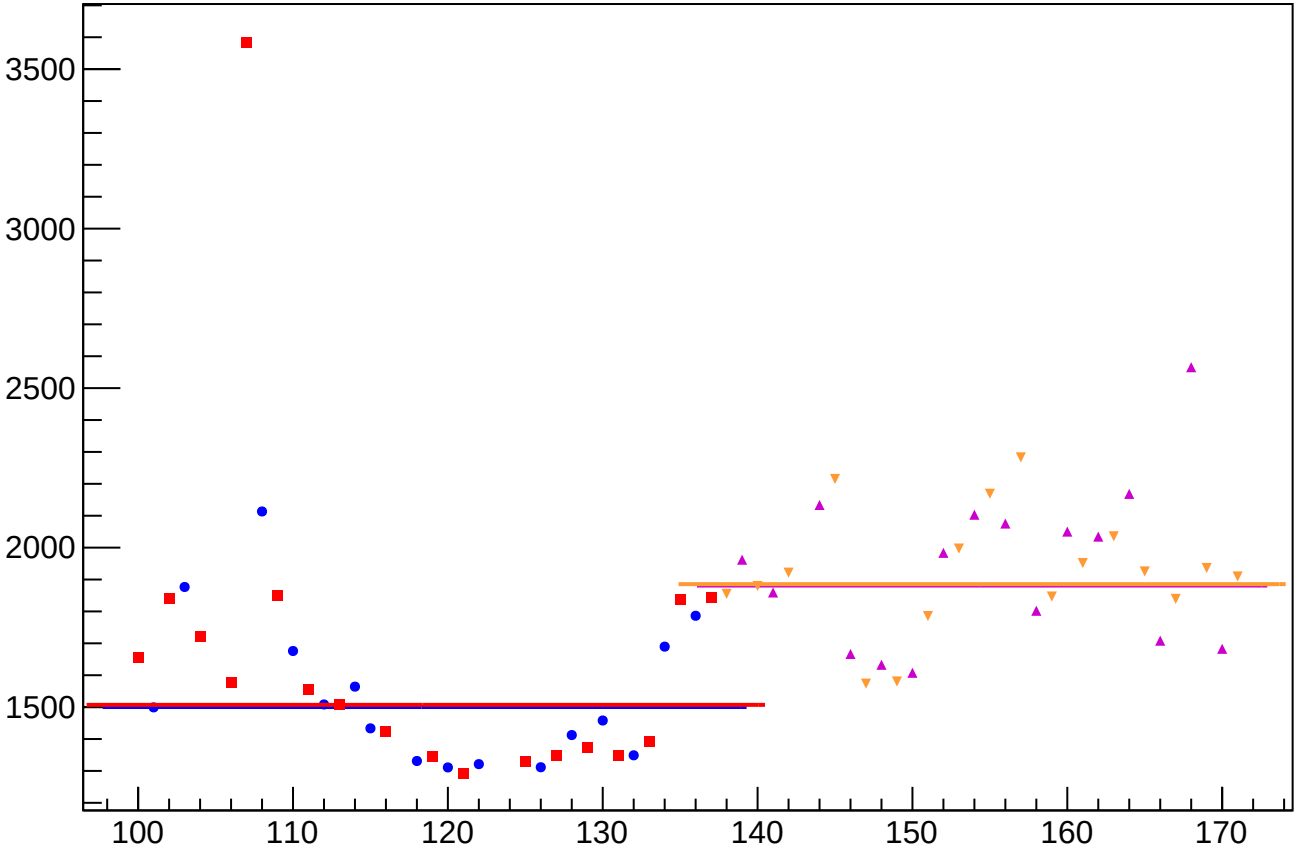
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1781.578+/-382.774 χ^2/NDF:17.0/31

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

All: 1869.008+/-270.222 χ^2/NDF: 70.1/66

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: 1881.175+/-0.369 χ^2/NDF:389237.3/15

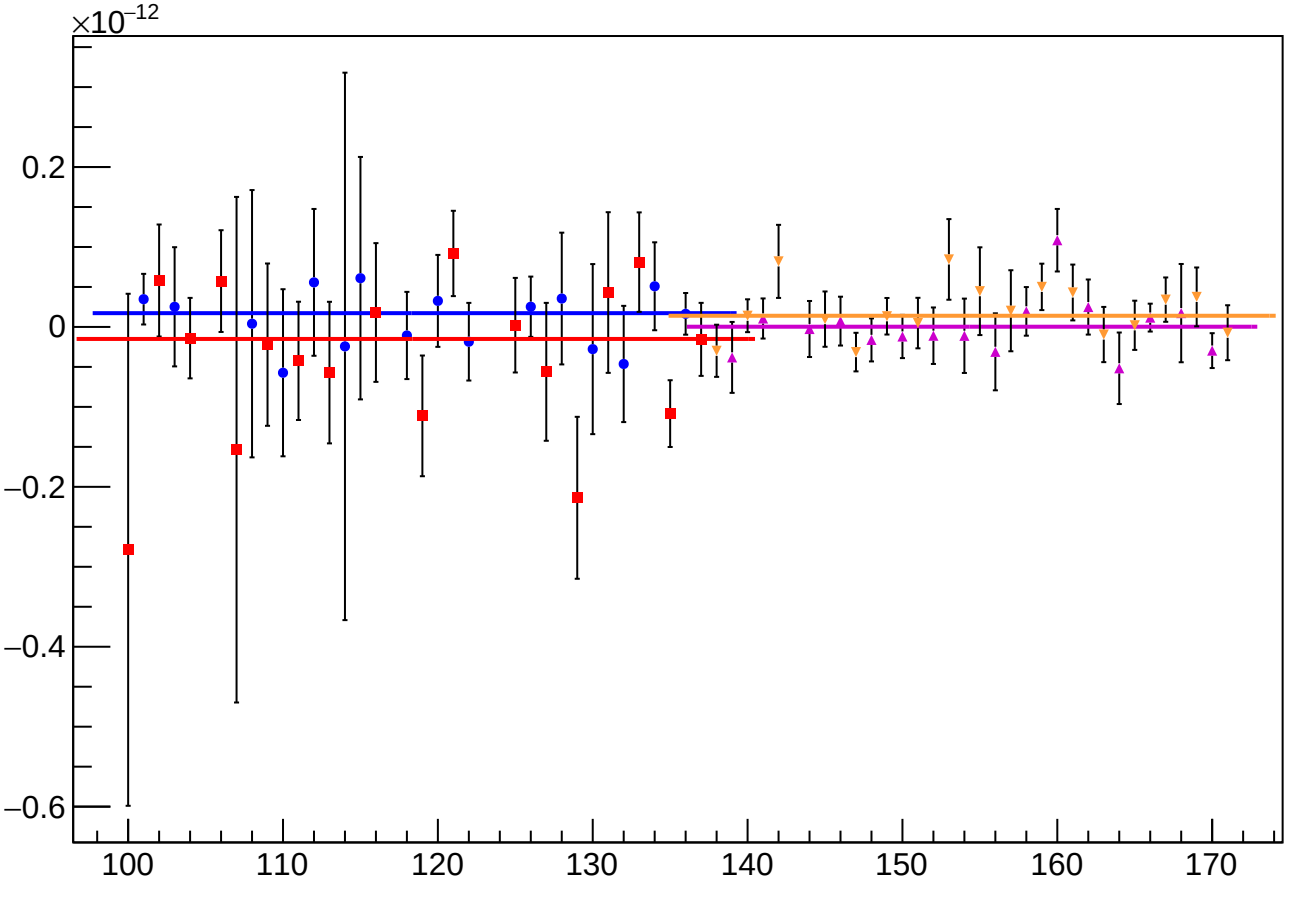
Left: 1883.342+/-0.260 χ^2/NDF: 656281.6/32

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

In: 1705.027+/-0.271 χ^2/NDF:1140108.2/31

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

All: 1708.551+/-0.191 χ^2/NDF: 2297009.9/66



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:14.4/15

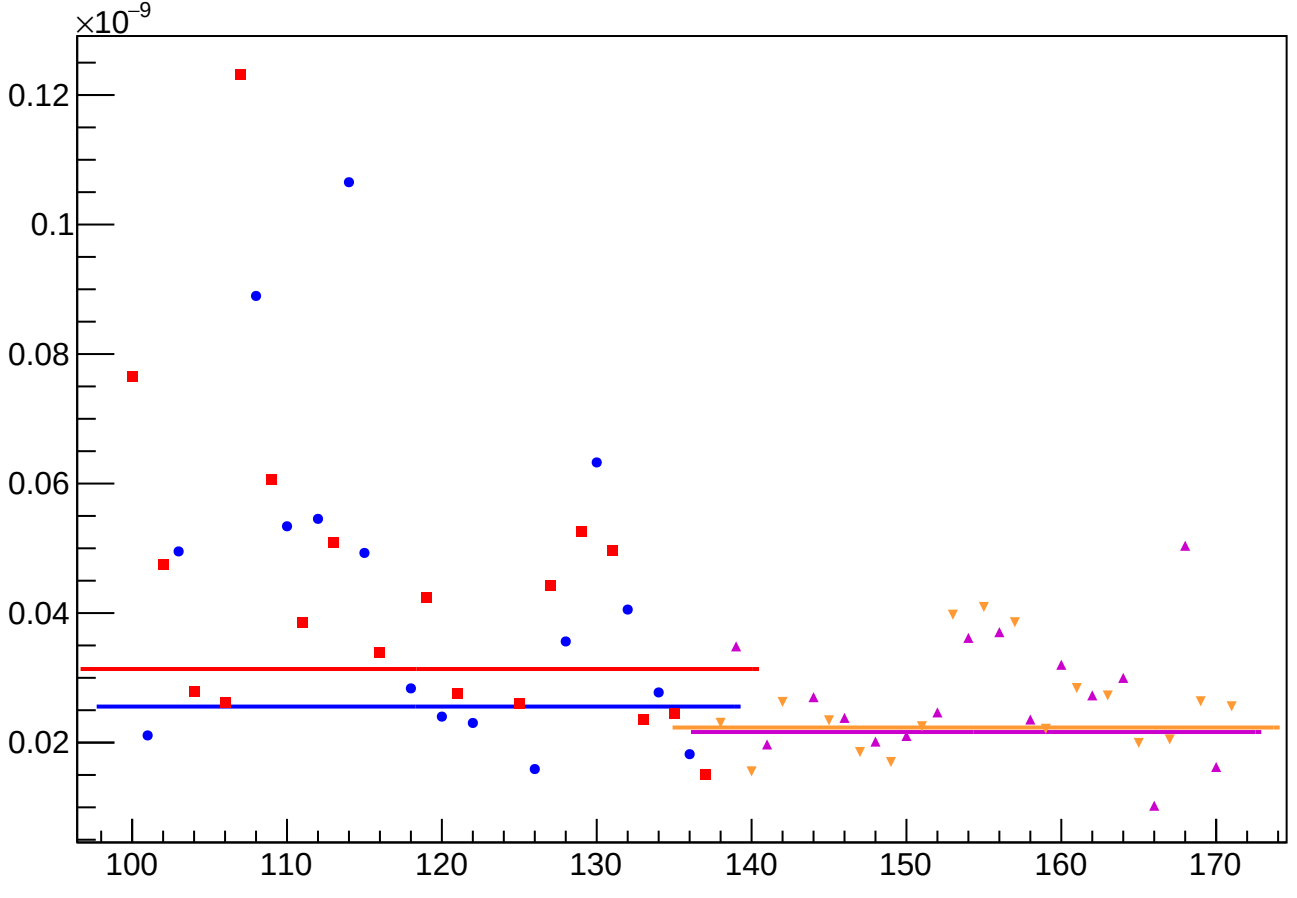
Left: 0.000+/-0.000 χ^2/NDF: 30.2/32

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:19.0/31

Out: 0.000+/-0.000 χ^2/NDF:38.1/34

All: 0.000+/-0.000 χ^2/NDF: 57.3/66



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:2355660.1/15

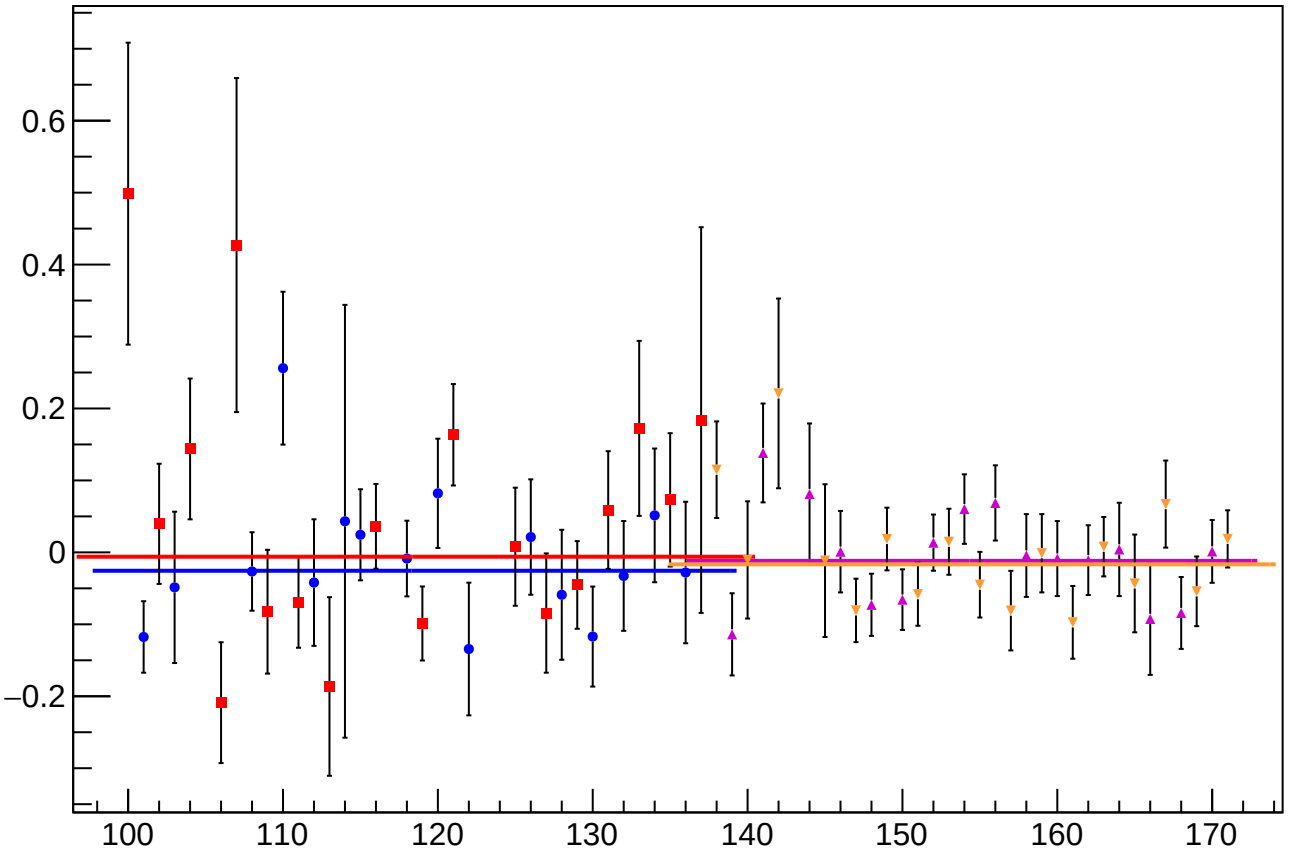
Left: 0.000+/-0.000 χ^2/NDF: 3596863.2/32

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

In: 0.000+/-0.000 χ^2/NDF:4191725.2/31

Out: 0.000+/-0.000 χ^2/NDF:2975007.7/34

All: 0.000+/-0.000 χ^2/NDF: 7210029.9/66



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: -0.012+/-0.013 χ^2/NDF:20.9/15

Left: -0.014+/-0.009 χ^2/NDF: 40.4/32

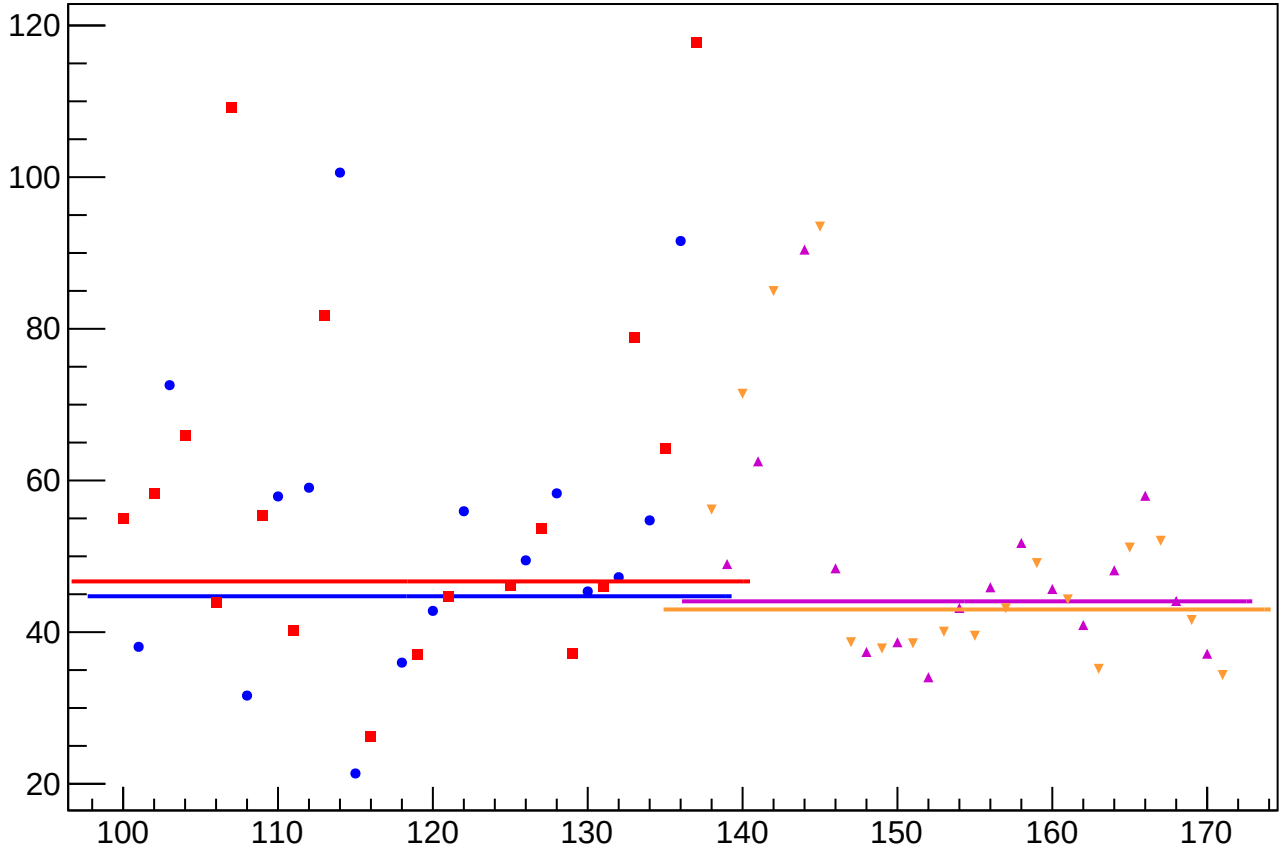
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.008 χ^2/NDF: 95.1/66

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: 44.064+/-0.009 χ^2/NDF:1002391.5/15

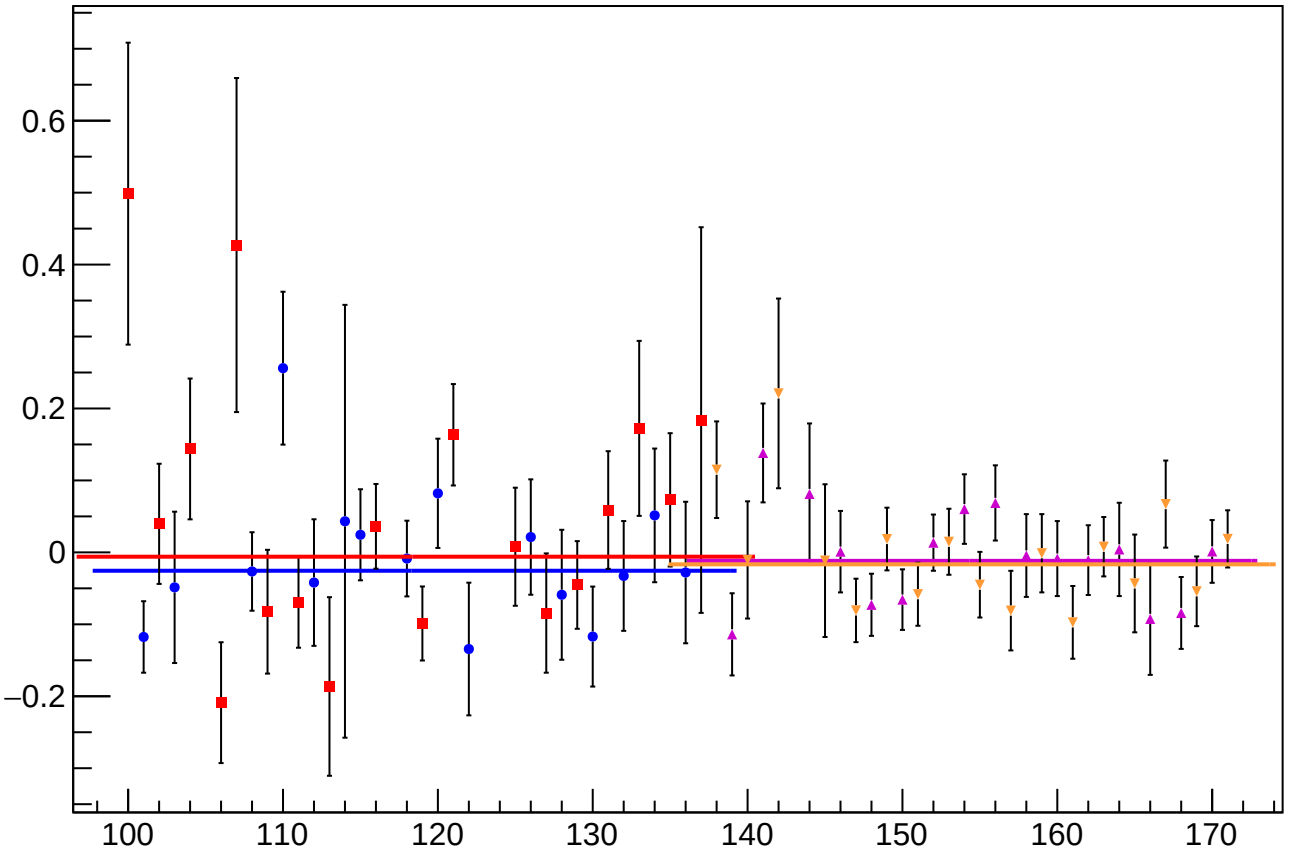
Left: 43.513+/-0.006 χ^2/NDF: 2341427.2/32

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

In: 44.281+/-0.008 χ^2/NDF:2338652.4/31

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

All: 44.189+/-0.005 χ^2/NDF: 4917475.5/66



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: -0.012+/-0.013 χ^2/NDF:20.9/15

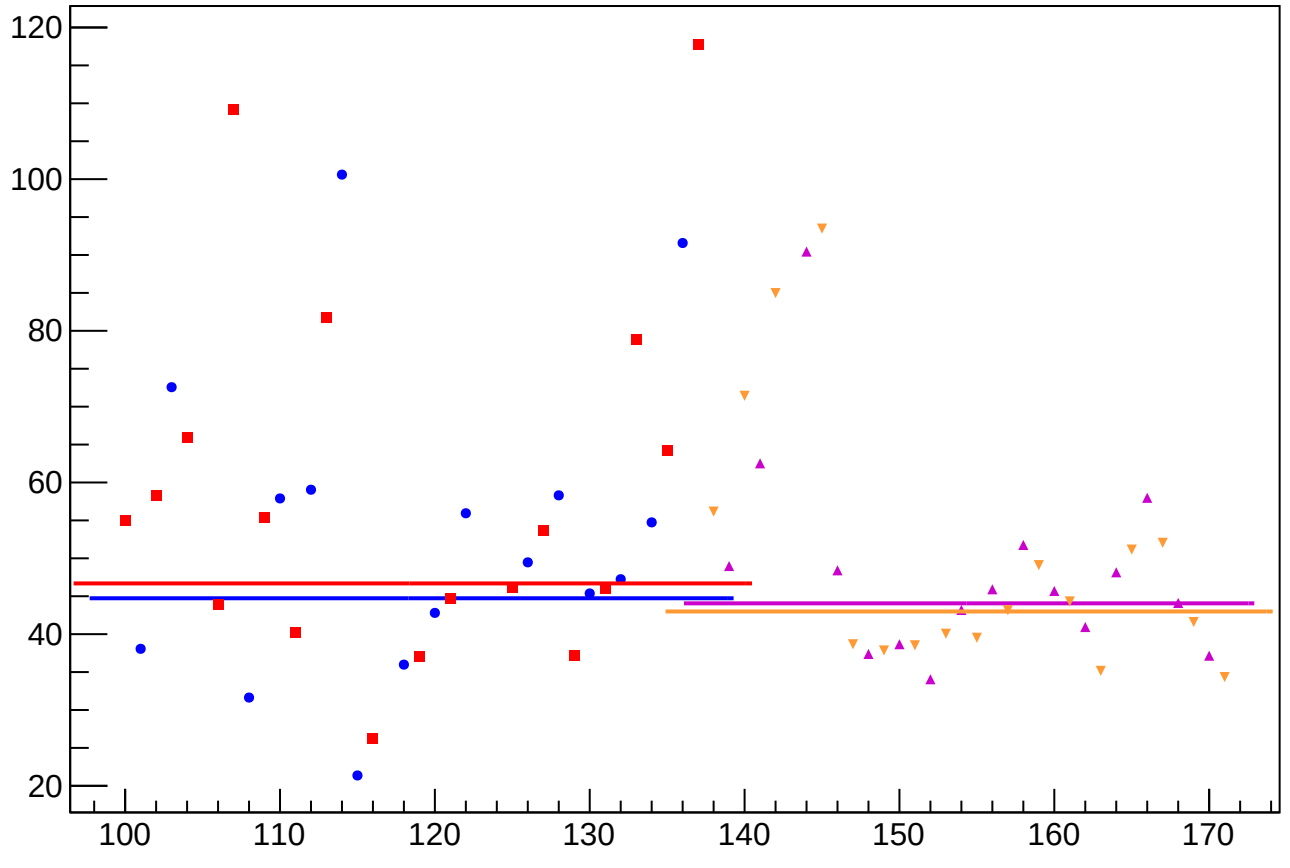
Left: -0.014+/-0.009 χ^2/NDF: 40.4/32

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

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.008 χ^2/NDF: 95.1/66



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: 44.064+/-0.009 χ^2/NDF:1002391.5/15

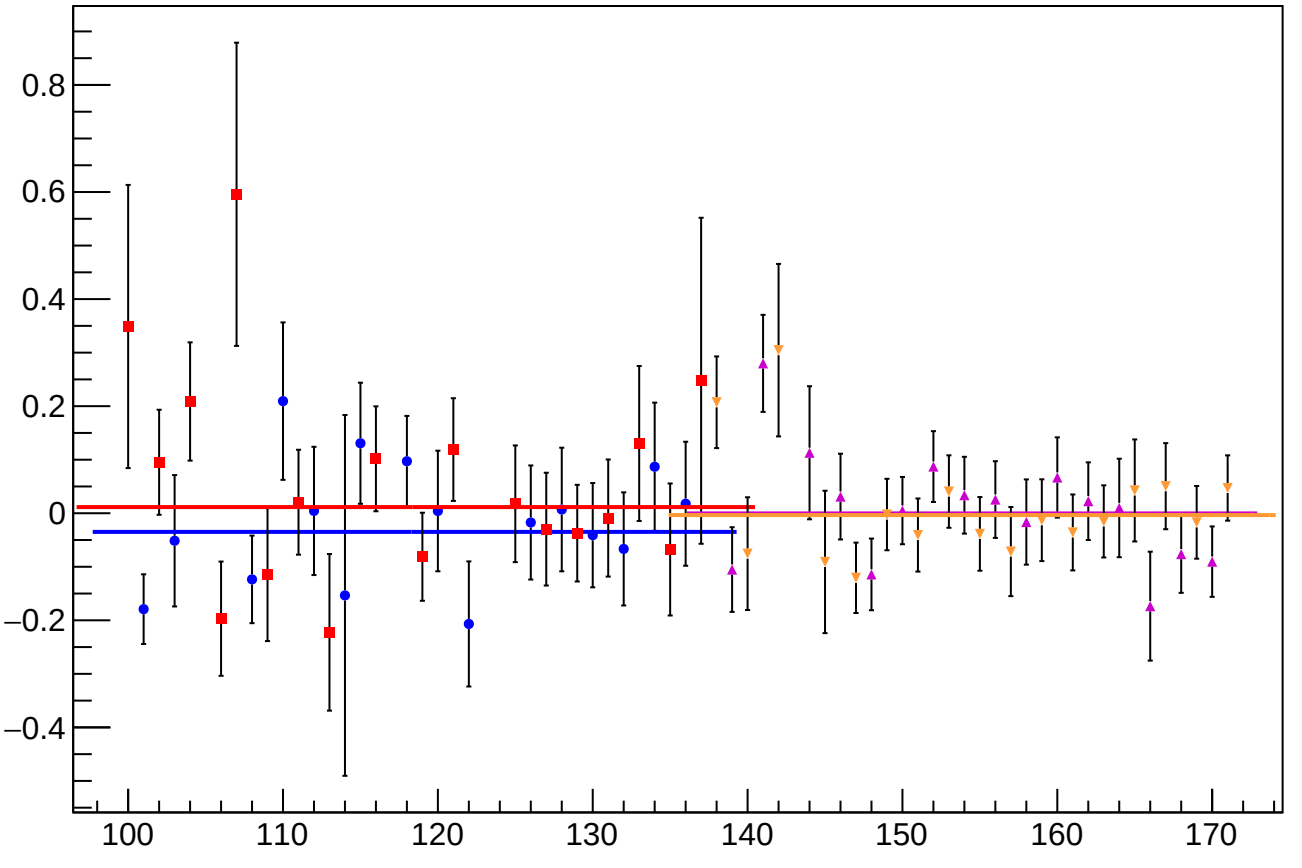
Left: 43.513+/-0.006 χ^2/NDF: 2341427.2/32

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

In: 44.281+/-0.008 χ^2/NDF:2338652.4/31

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

All: 44.189+/-0.005 χ^2/NDF: 4917475.5/66



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: -0.000+/-0.019 χ^2/NDF:24.1/15

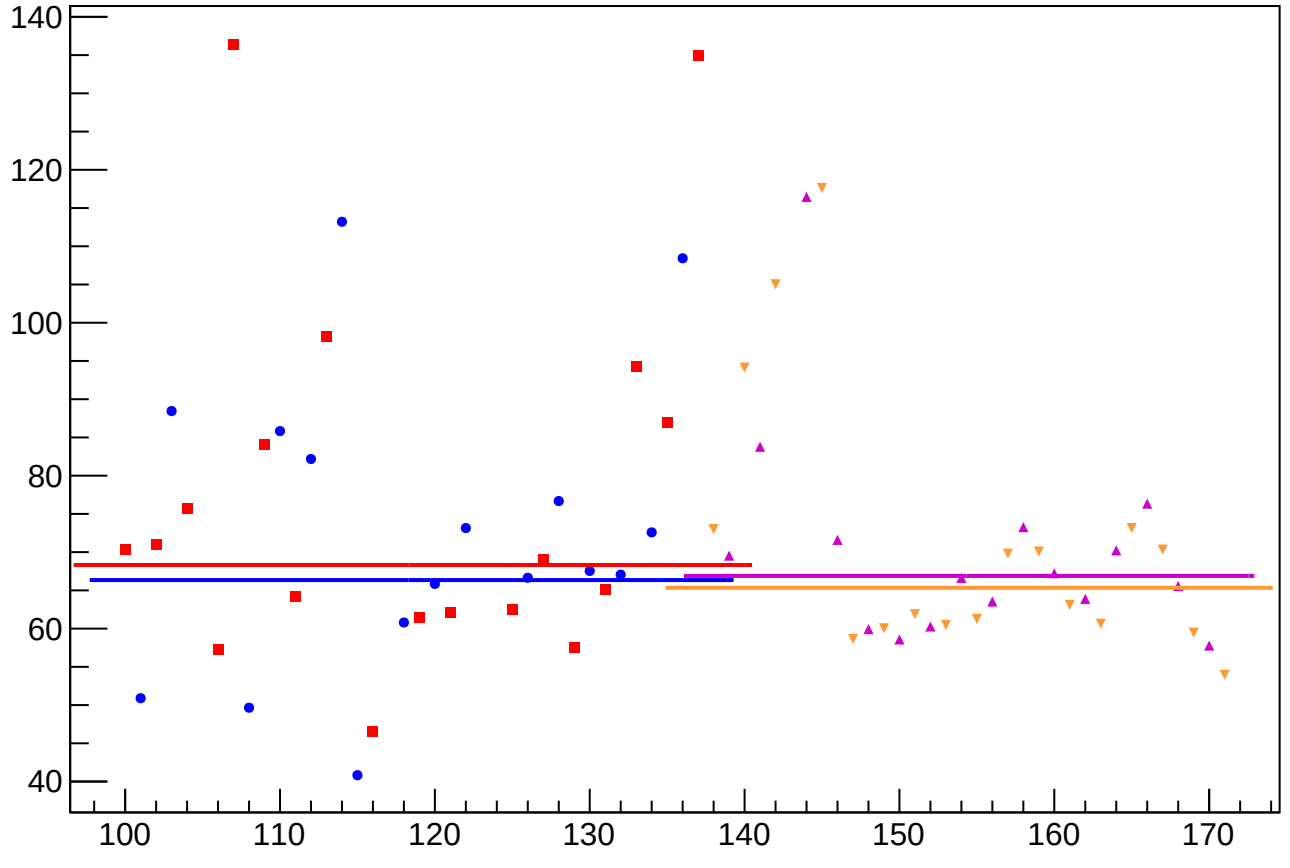
Left: -0.002+/-0.013 χ^2/NDF: 41.3/32

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

In: -0.012+/-0.015 χ^2/NDF:42.7/31

Out: 0.001+/-0.015 χ^2/NDF:40.1/34

All: -0.005+/-0.011 χ^2/NDF: 83.2/66



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: 66.890+/-0.013 χ^2/NDF:552875.0/15

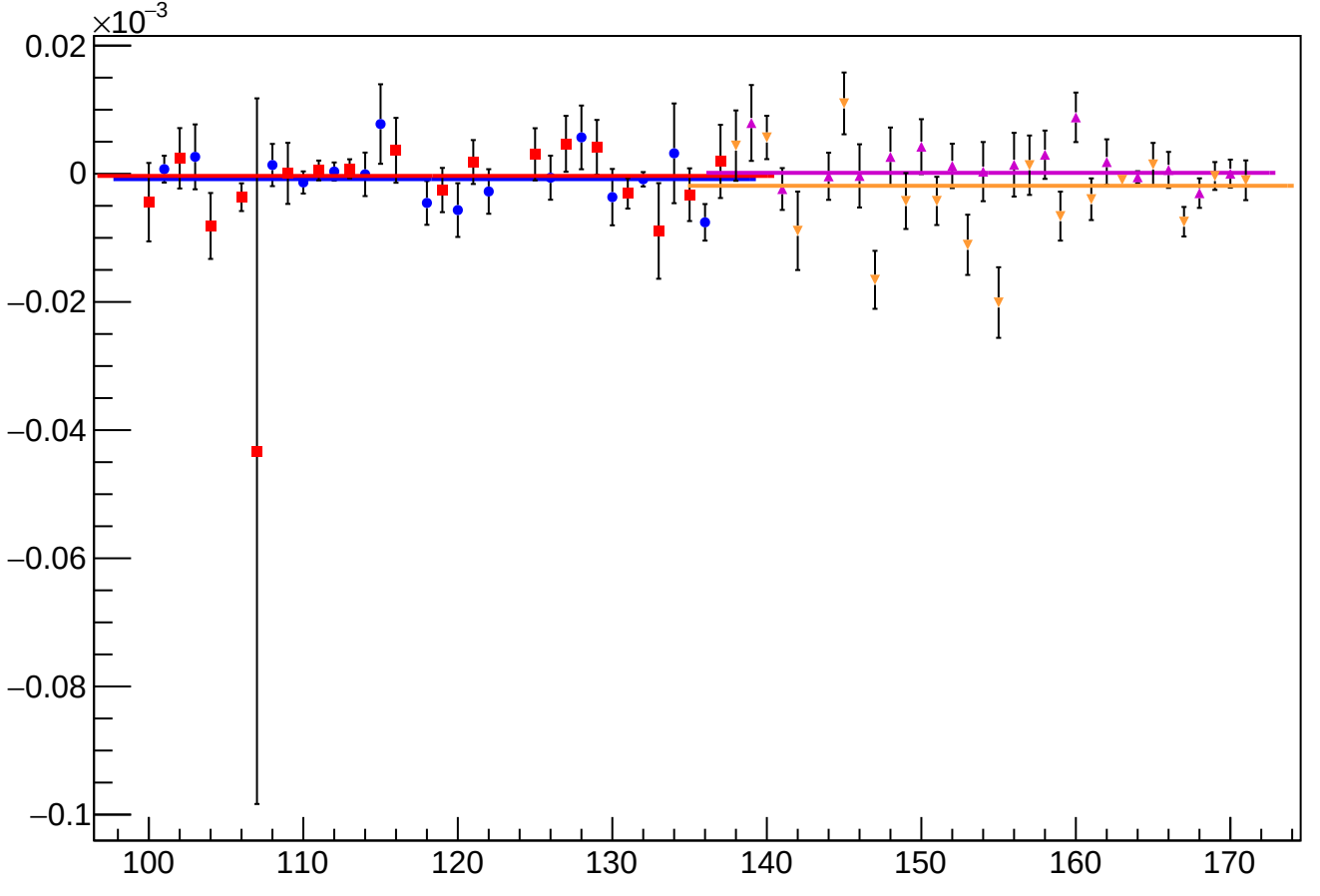
Left: 66.095+/-0.009 χ^2/NDF: 1342274.6/32

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

In: 66.703+/-0.011 χ^2/NDF:1326085.1/31

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

All: 66.500+/-0.008 χ^2/NDF: 2755698.7/66



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:52.0/16

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/17

Left In: 0.000+/-0.000 χ^2/NDF:12.0/15

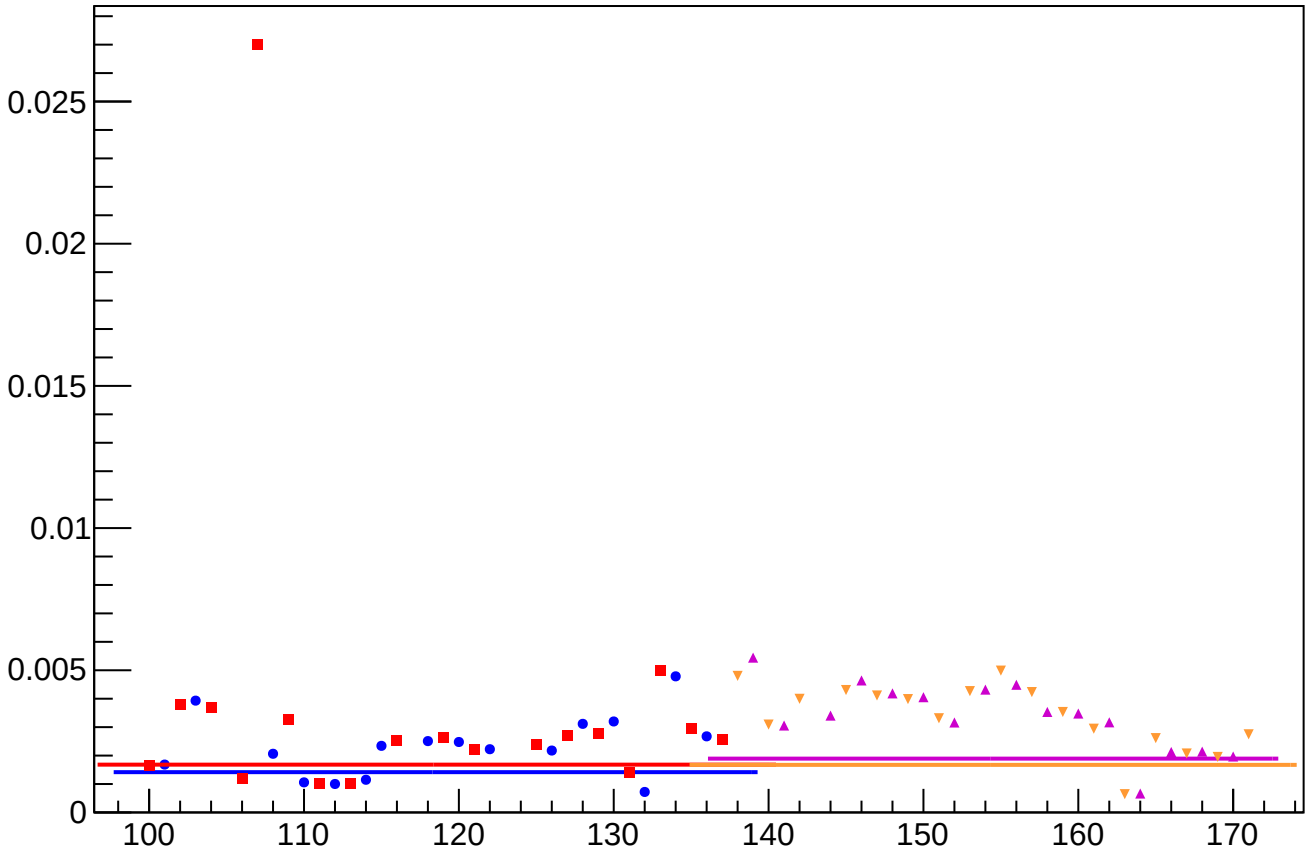
Left: -0.000+/-0.000 χ^2/NDF: 69.3/32

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

In: -0.000+/-0.000 χ^2/NDF:28.2/31

Out: -0.000+/-0.000 χ^2/NDF:69.5/34

All: -0.000+/-0.000 χ^2/NDF: 99.7/66



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: 0.002+/-0.000 χ^2/NDF:8774636.2/15

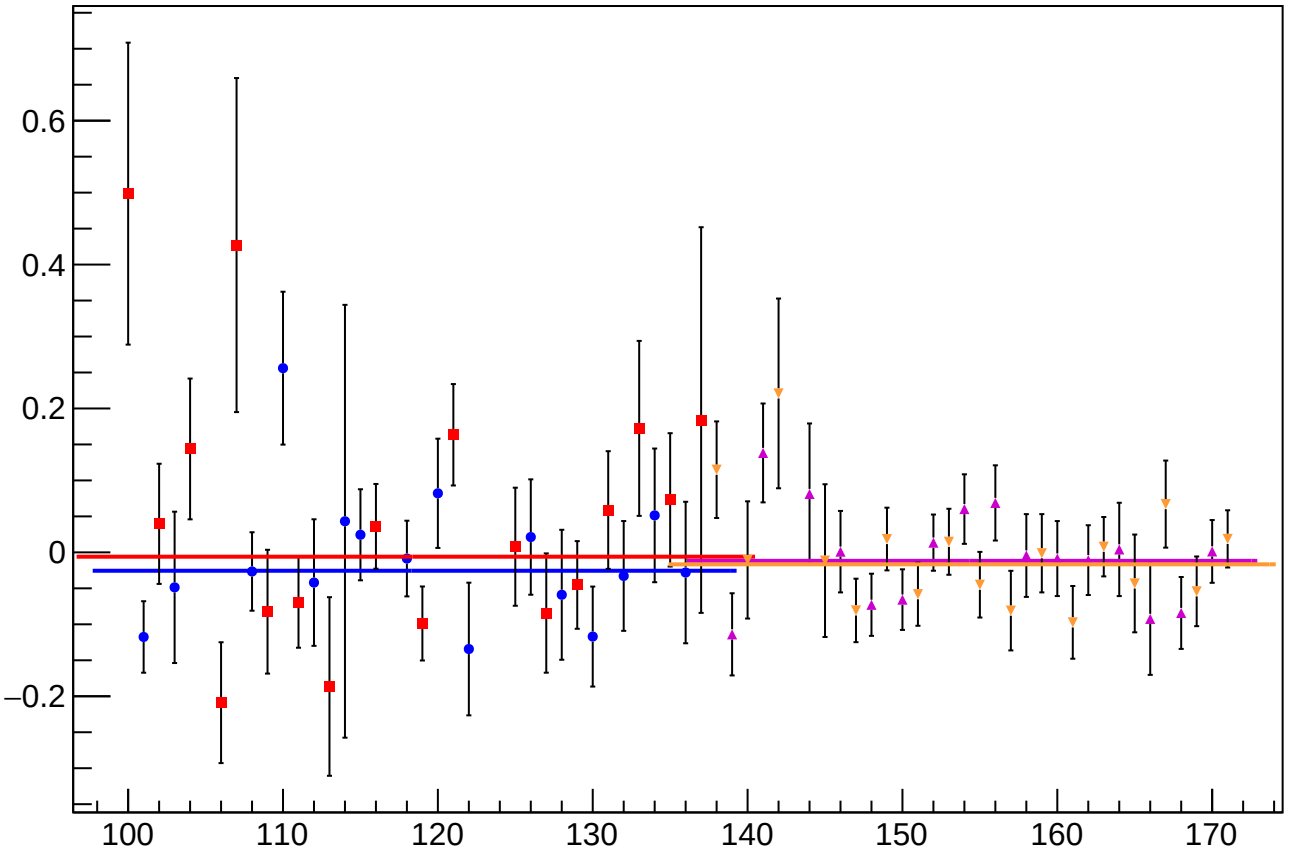
Left: 0.002+/-0.000 χ^2/NDF: 18987659.7/32

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

In: 0.002+/-0.000 χ^2/NDF:12889974.7/31

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

All: 0.002+/-0.000 χ^2/NDF: 26409648.5/66



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: -0.012+/-0.013 χ^2/NDF:20.9/15

Left: -0.014+/-0.009 χ^2/NDF: 40.4/32

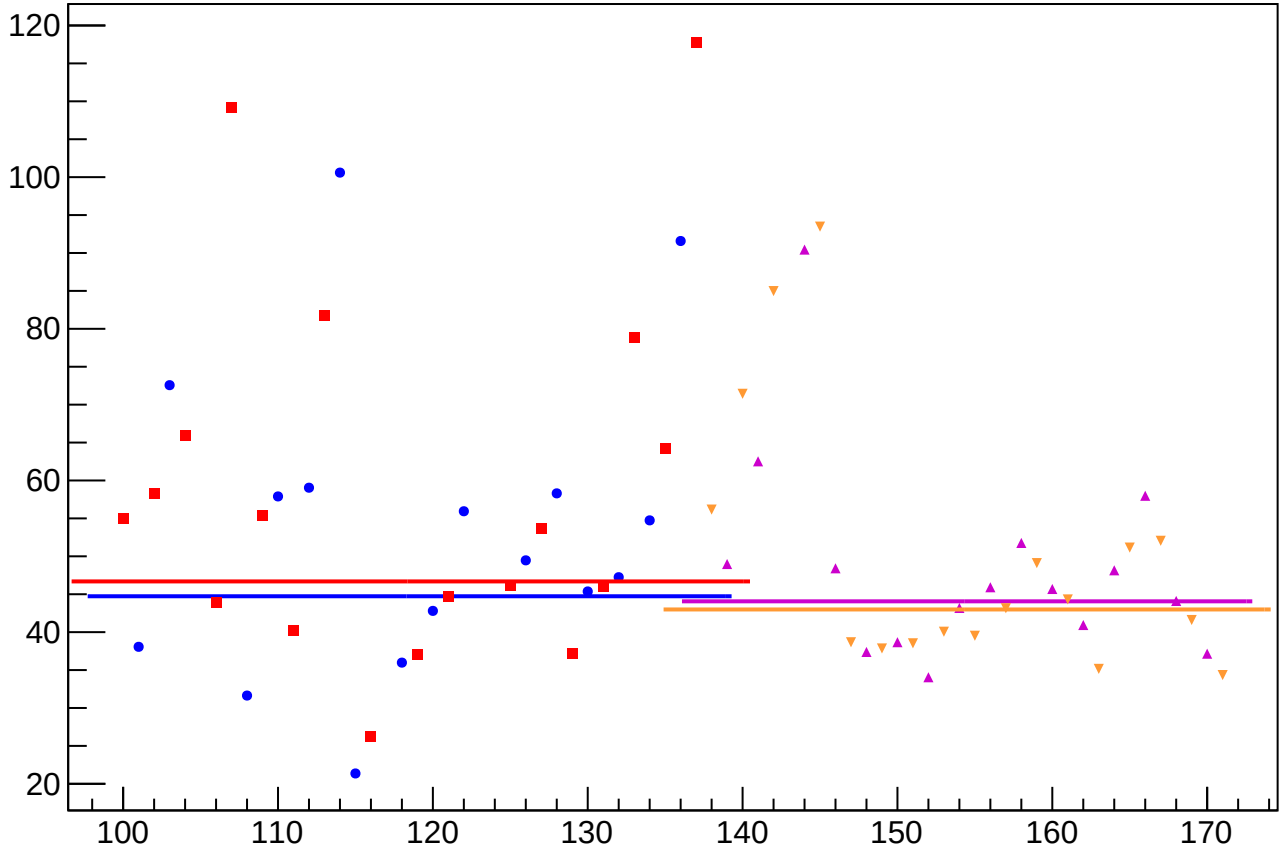
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.008 χ^2/NDF: 95.1/66

asym_usl_eigen_dit_vs_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: 44.064+/-0.009 χ^2/NDF:1002372.0/15

Left: 43.514+/-0.006 χ^2/NDF: 2341377.7/32

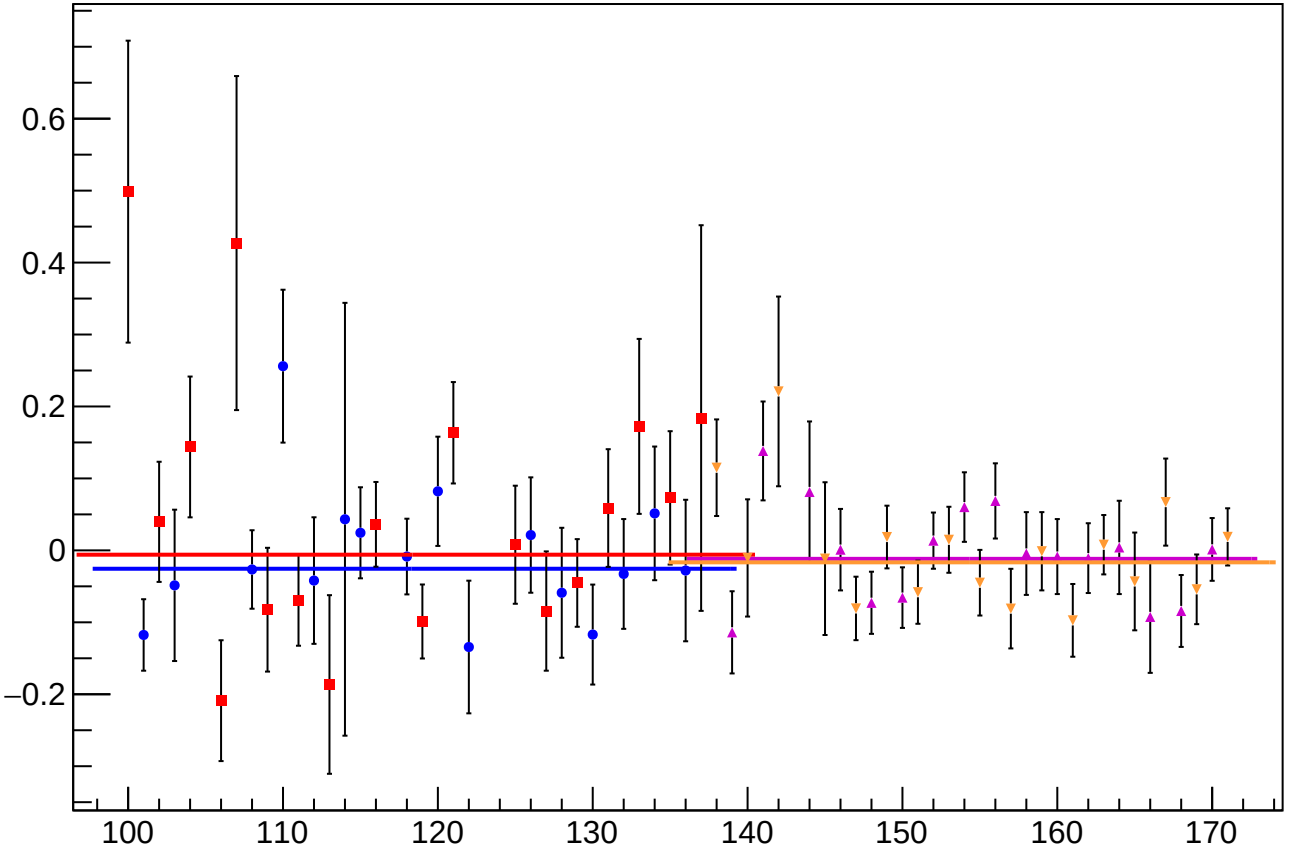
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

In: 44.281+/-0.008 χ^2/NDF:2338689.4/31

Out: 44.098+/-0.008 χ^2/NDF:2578508.9/34

All: 44.189+/-0.005 χ^2/NDF: 4917492.1/66

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.012+/-0.013 χ^2/NDF:20.9/15

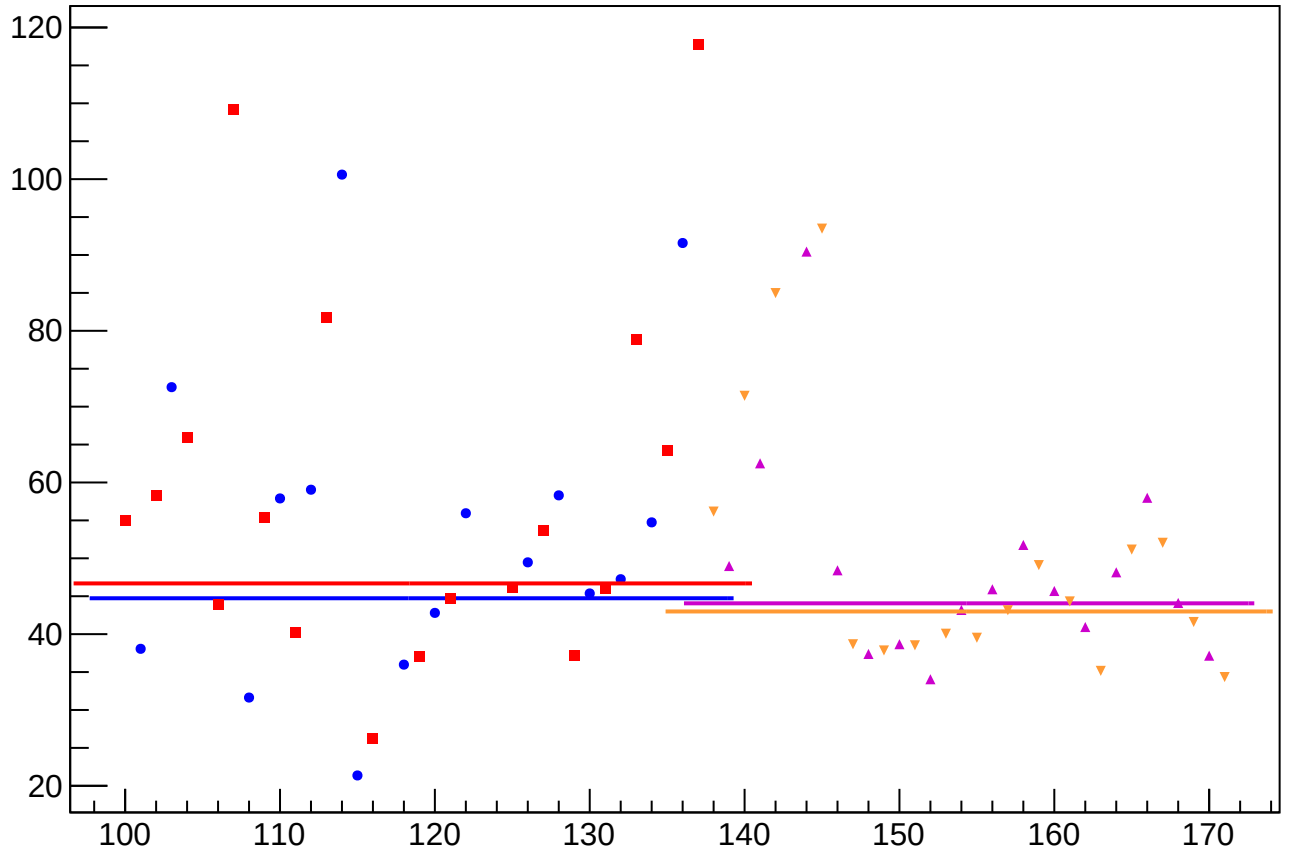
Left: -0.014+/-0.009 χ^2/NDF: 40.4/32

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

In: -0.016+/-0.011 χ^2/NDF:38.9/31

Out: -0.013+/-0.011 χ^2/NDF:56.1/34

All: -0.015+/-0.008 χ^2/NDF: 95.1/66



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: 44.064+/-0.009 χ^2/NDF:1002372.0/15

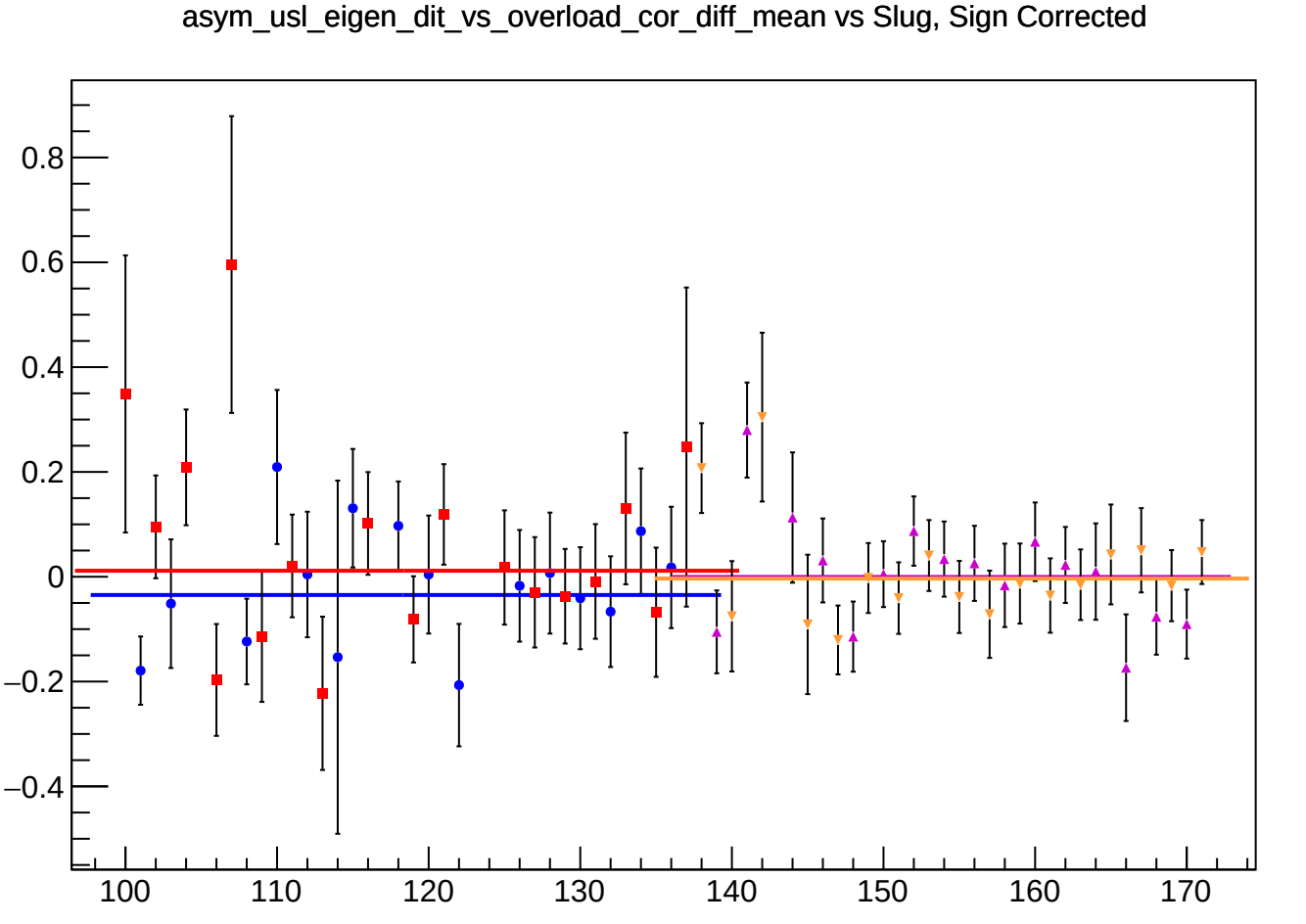
Left: 43.514+/-0.006 χ^2/NDF: 2341377.7/32

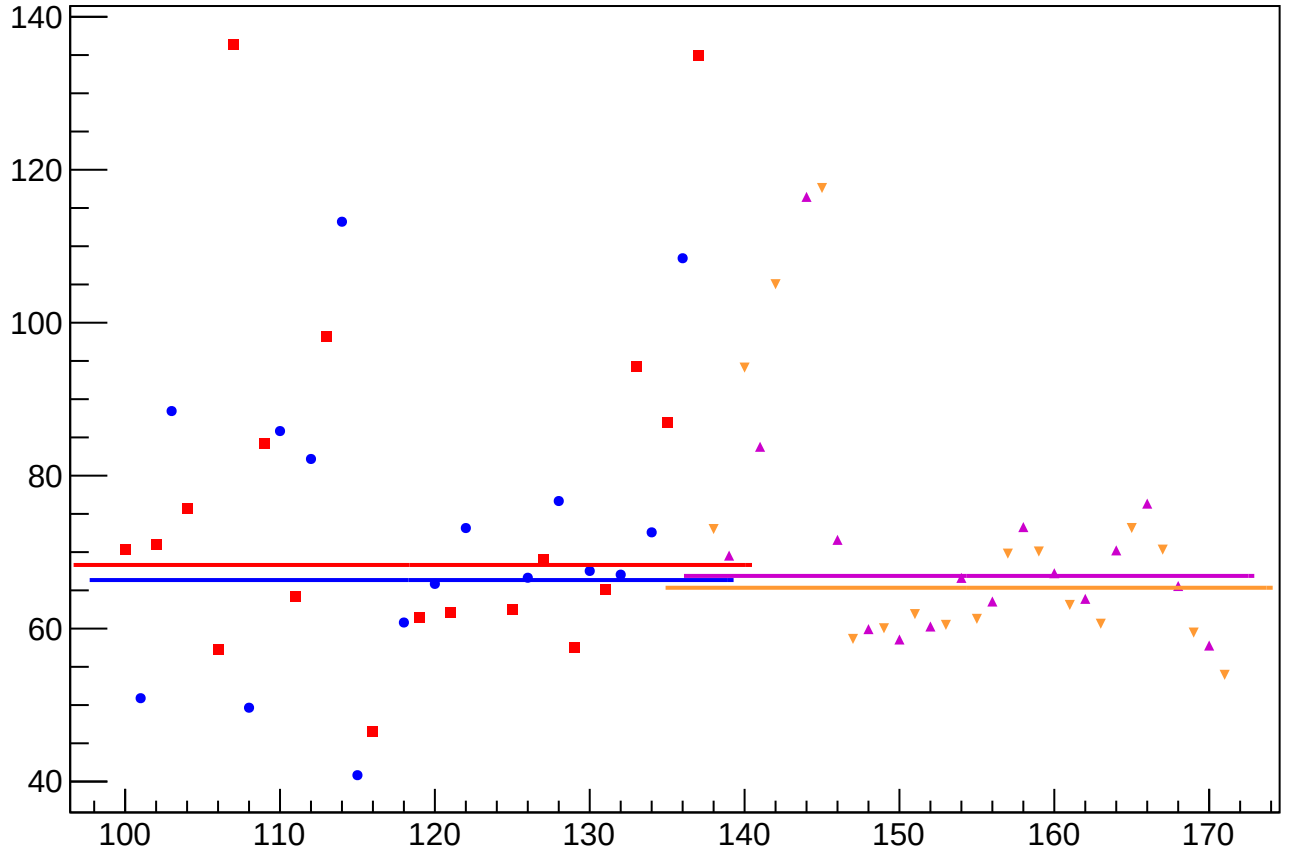
Right: 45.679+/-0.010 χ^2/NDF: 2540631.2/33

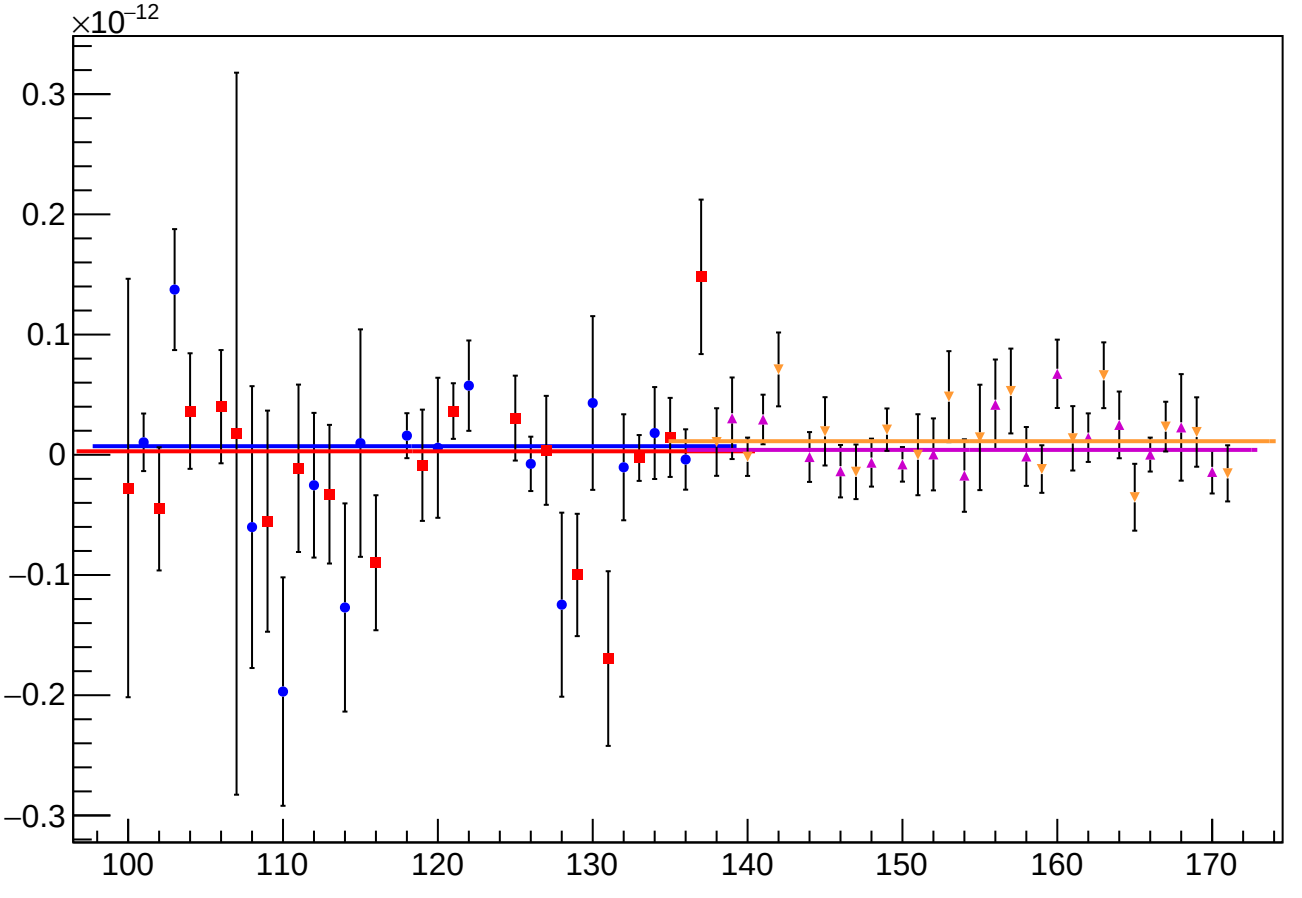
In: 44.281+/-0.008 χ^2/NDF:2338689.4/31

Out: 44.098+/-0.008 χ^2/NDF:2578508.9/34

All: 44.189+/-0.005 χ^2/NDF: 4917492.1/66


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.035+/-0.026 χ²/NDF: 17.4/15
Left Out: -0.003+/-0.019 χ²/NDF:17.1/16
Right Out: 0.012+/-0.027 χ²/NDF: 22.8/17
Left In: -0.000+/-0.019 χ²/NDF:24.1/15
Left: -0.002+/-0.013 χ²/NDF: 41.3/32
Right: -0.012+/-0.019 χ²/NDF: 41.7/33
In: -0.012+/-0.015 χ²/NDF:42.7/31
Out: 0.001+/-0.015 χ²/NDF:40.1/34
All: -0.005+/-0.011 χ²/NDF: 83.2/66


asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
120
100
80
60
40
100
110
120
130
140
150
160
170
Right In: 66.348+/-0.019 χ²/NDF: 772660.4/15
Left Out: 65.340+/-0.013 χ²/NDF:782590.4/16
Right Out: 68.321+/-0.019 χ²/NDF: 629665.7/17
Left In: 66.890+/-0.013 χ²/NDF:552866.9/15
Left: 66.095+/-0.009 χ²/NDF: 1342254.5/32
Right: 67.311+/-0.013 χ²/NDF: 1407834.9/33
In: 66.703+/-0.011 χ²/NDF:1326085.4/31
Out: 66.301+/-0.011 χ²/NDF:1428900.8/34
All: 66.500+/-0.008 χ²/NDF: 2755674.0/66



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:12.5/15

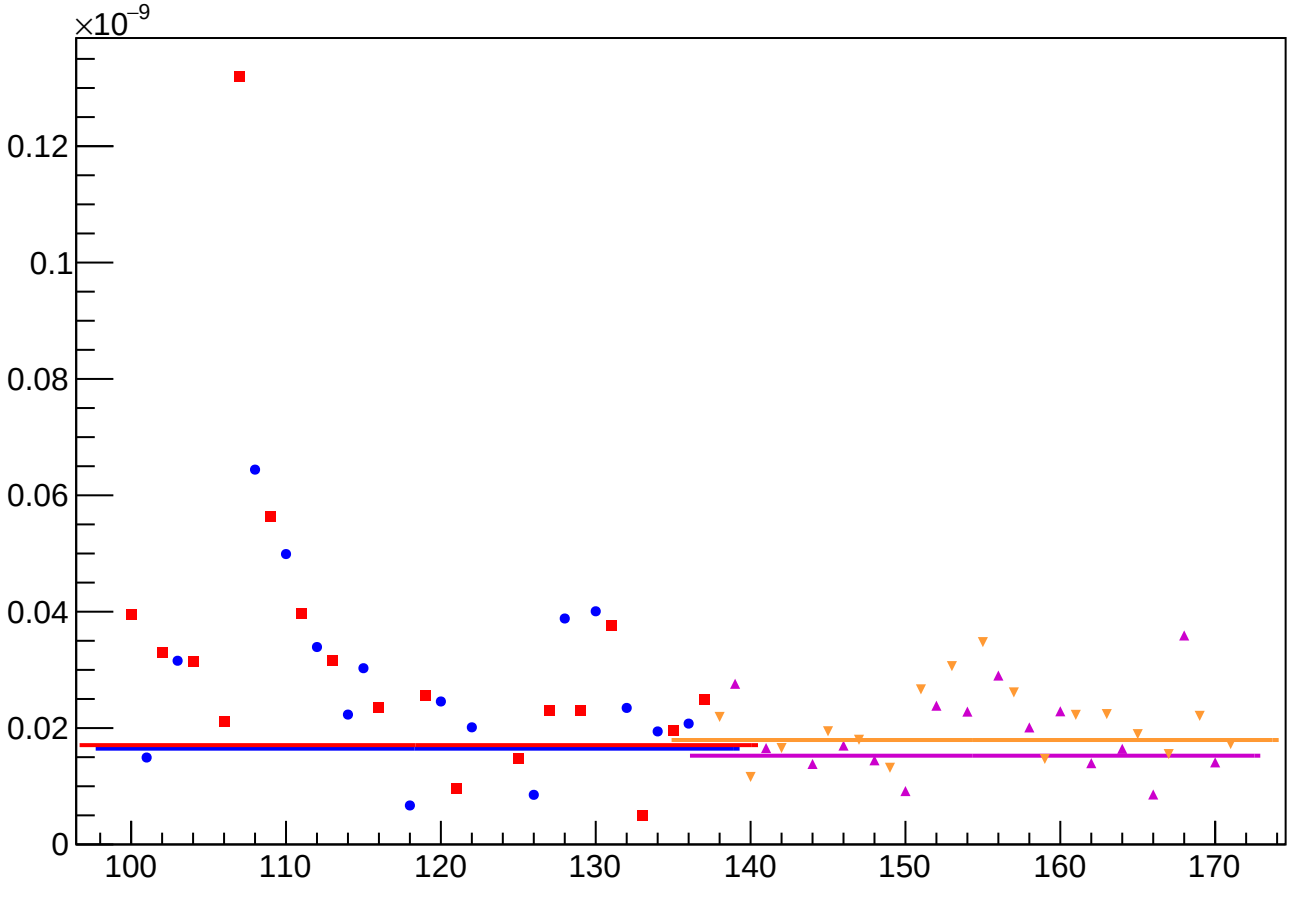
Left: 0.000+/-0.000 χ^2/NDF: 31.7/32

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:33.0/31

Out: 0.000+/-0.000 χ^2/NDF:42.4/34

All: 0.000+/-0.000 χ^2/NDF: 75.7/66



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:2338217.7/15

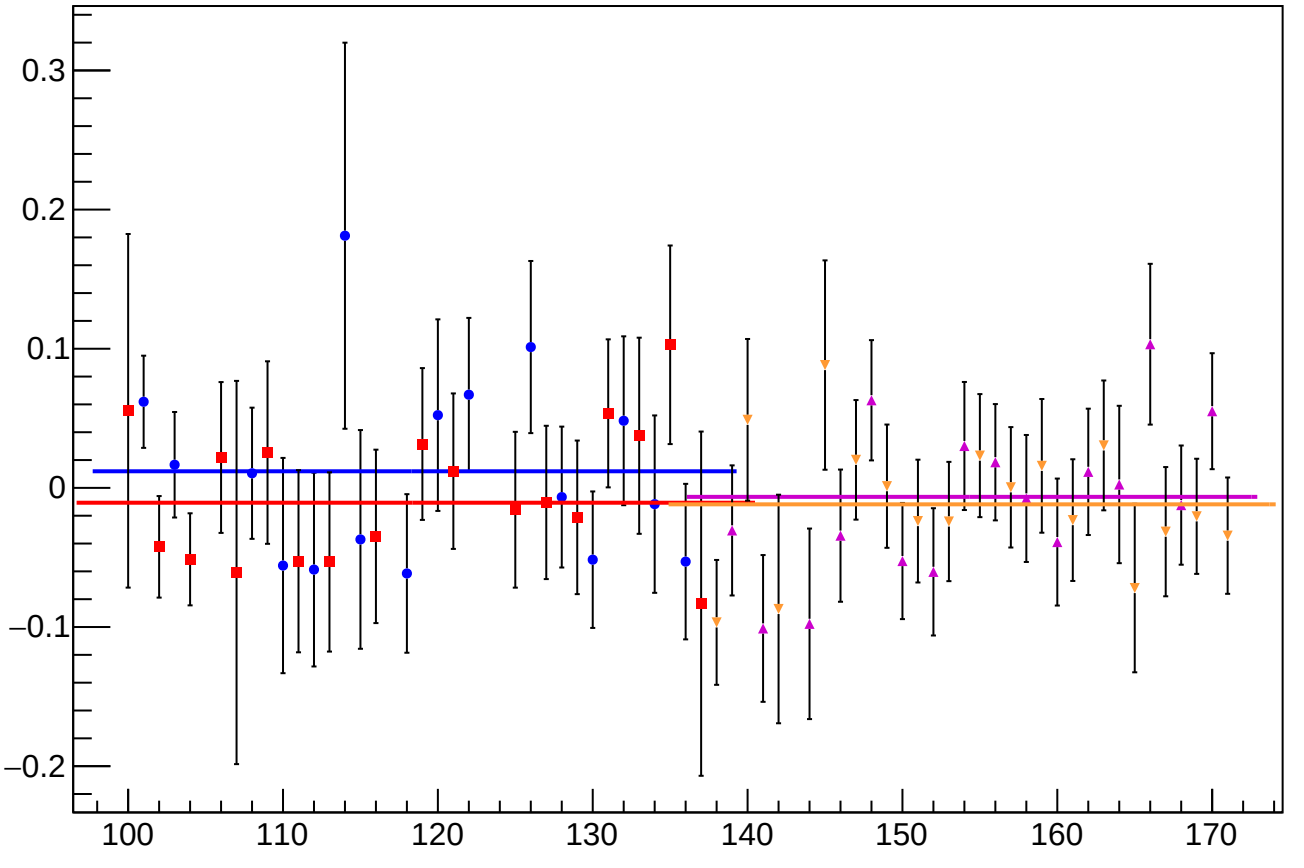
Left: 0.000+/-0.000 χ^2/NDF: 4062730.9/32

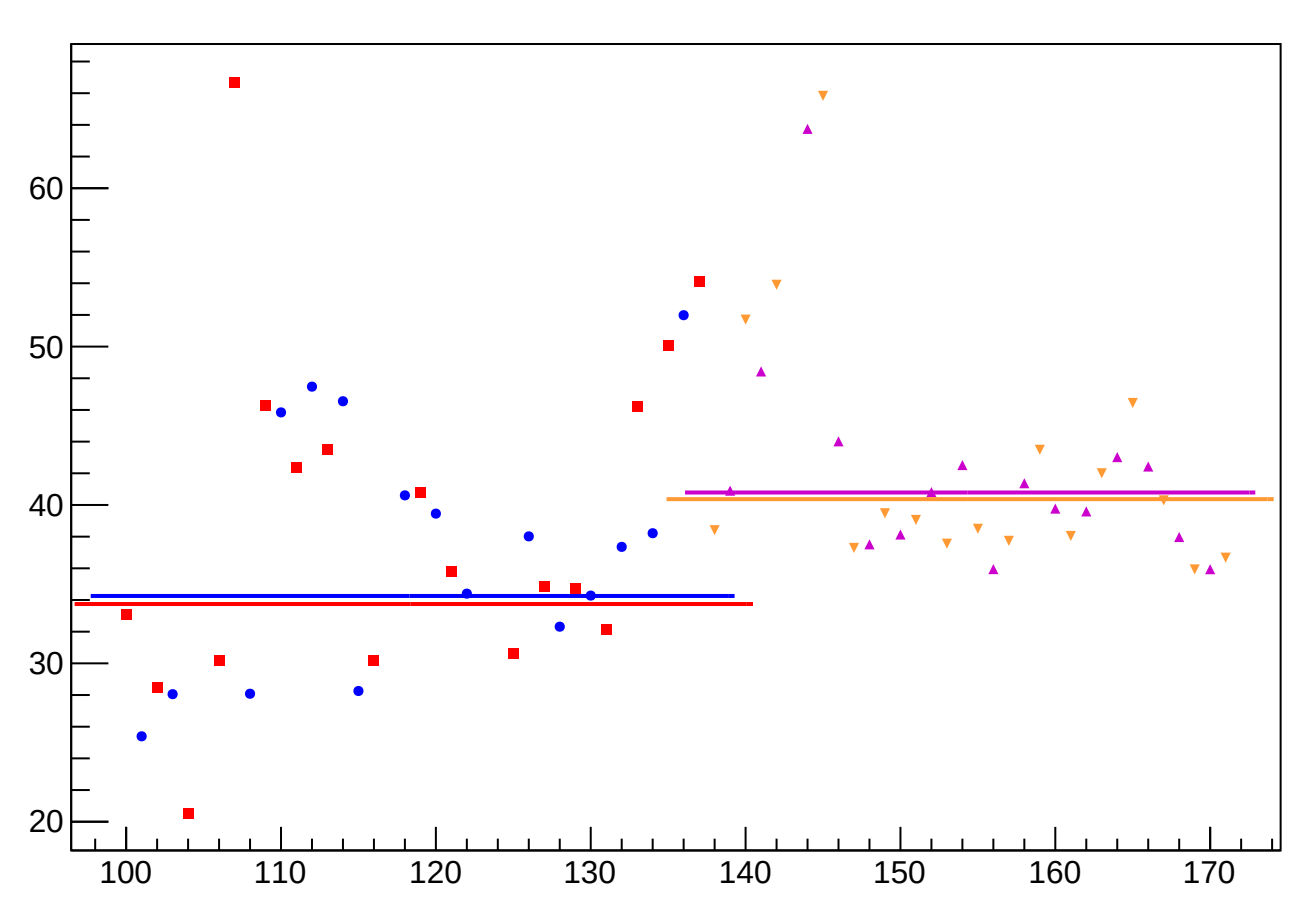
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:4709582.6/31

Out: 0.000+/-0.000 χ^2/NDF:4308786.9/34

All: 0.000+/-0.000 χ^2/NDF: 9206429.1/66


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: -0.006+/-0.012 χ²/NDF:18.3/15
Left: -0.009+/-0.008 χ²/NDF: 29.9/32
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: 0.001+/-0.009 χ²/NDF:34.0/31
Out: -0.011+/-0.009 χ²/NDF:21.4/34
All: -0.005+/-0.006 χ²/NDF: 56.5/66



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: 40.788+/-0.008 χ^2/NDF:368422.4/15

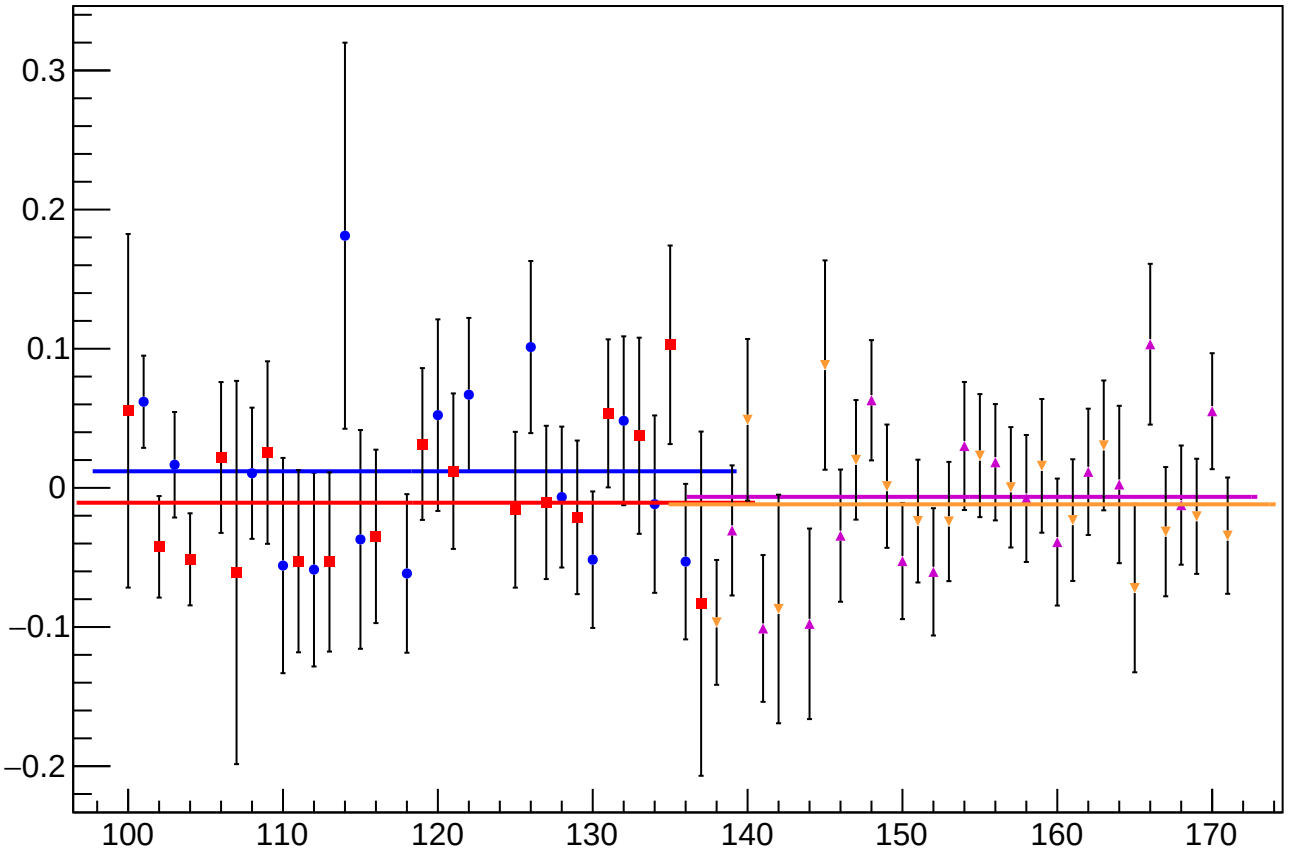
Left: 40.574+/-0.006 χ^2/NDF: 840884.7/32

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

In: 38.007+/-0.006 χ^2/NDF:1269075.8/31

Out: 37.574+/-0.006 χ^2/NDF:1663613.9/34

All: 37.787+/-0.004 χ^2/NDF: 2935117.0/66



Right In: 0.012+/-0.014 χ^2/NDF: 14.7/15

Left Out: -0.012+/-0.011 χ^2/NDF:11.5/16

Right Out: -0.011+/-0.013 χ^2/NDF: 9.9/17

Left In: -0.006+/-0.012 χ^2/NDF:18.3/15

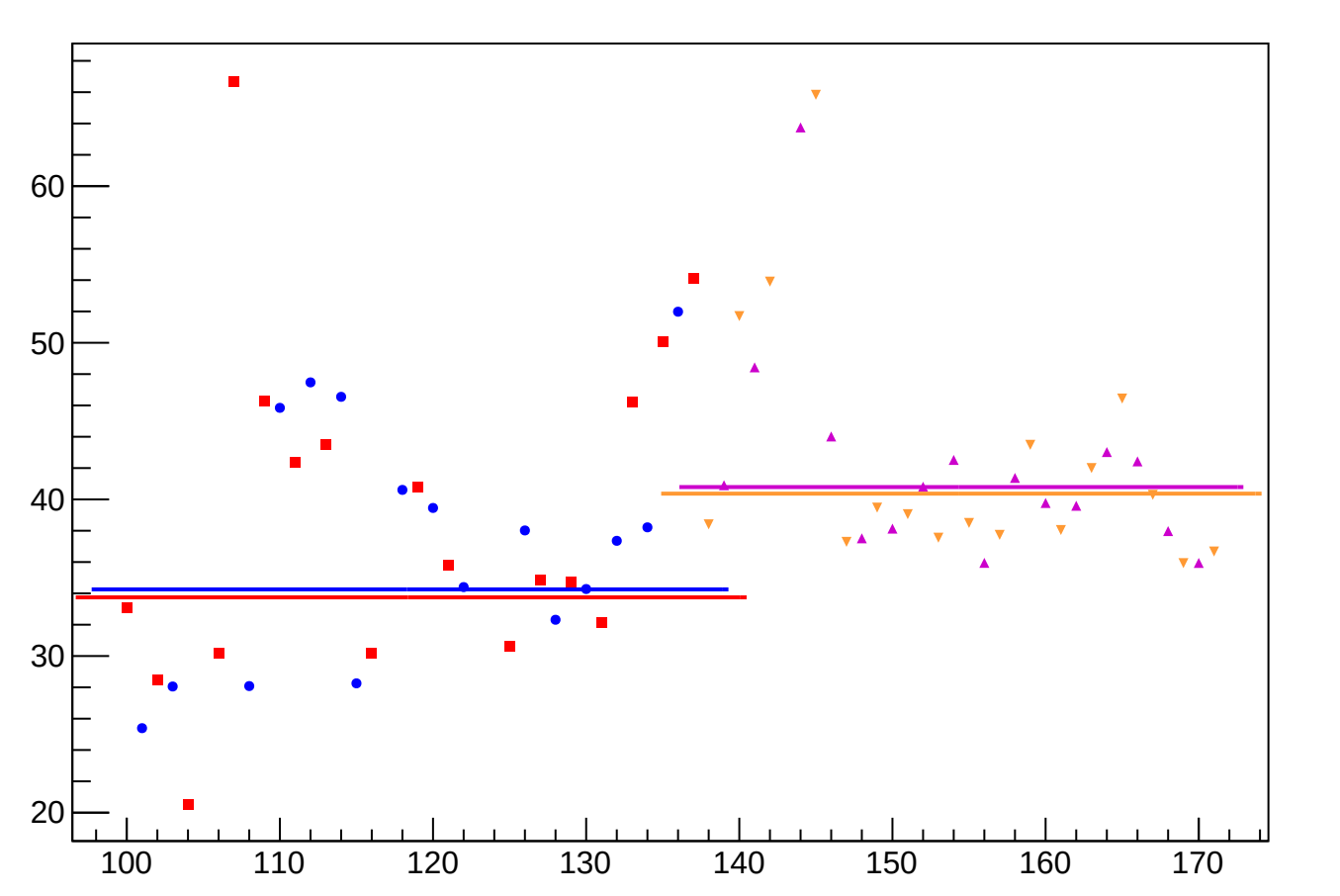
Left: -0.009+/-0.008 χ^2/NDF: 29.9/32

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.001+/-0.009 χ^2/NDF:34.0/31

Out: -0.011+/-0.009 χ^2/NDF:21.4/34

All: -0.005+/-0.006 χ^2/NDF: 56.5/66



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: 40.788+/-0.008 χ^2/NDF:368422.4/15

Left: 40.574+/-0.006 χ^2/NDF: 840884.7/32

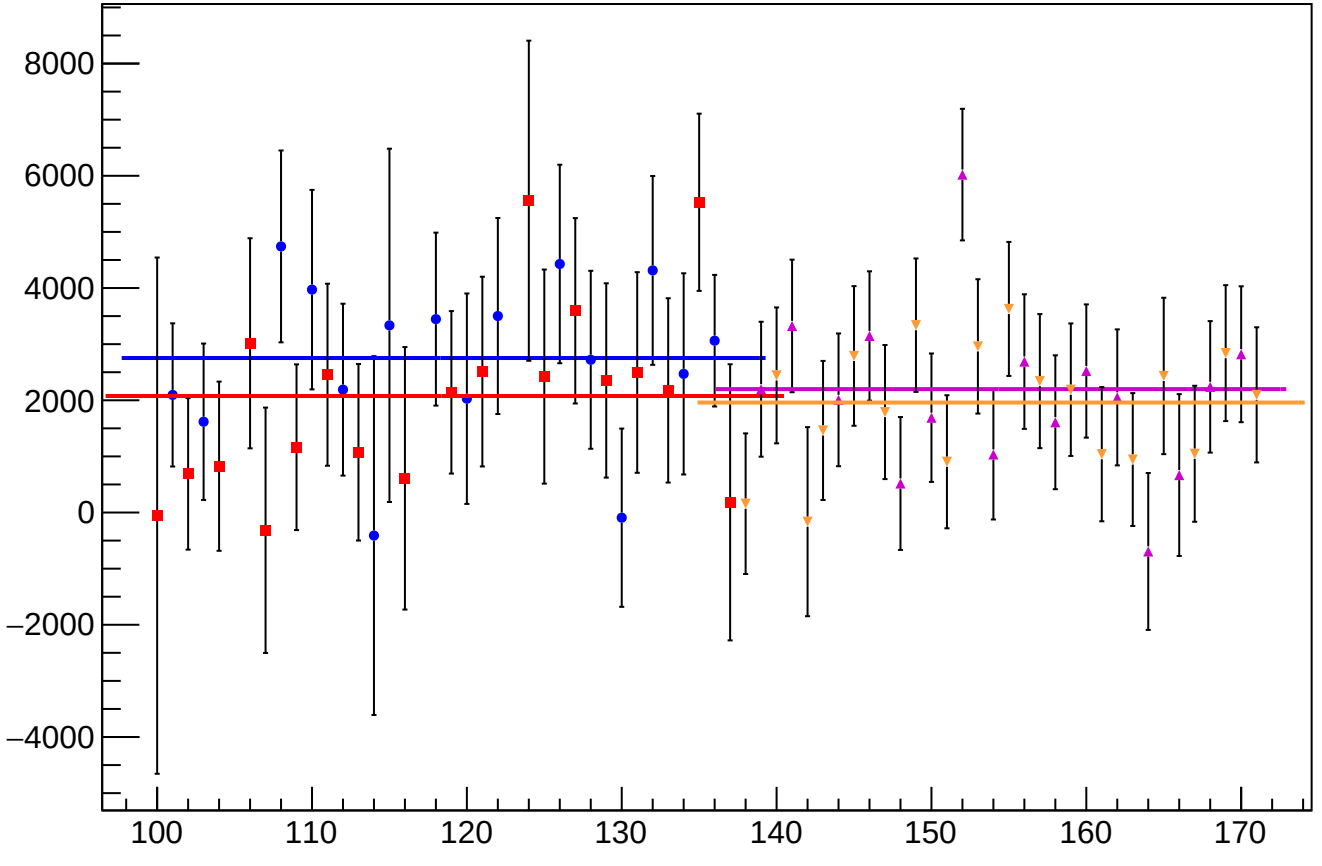
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 38.007+/-0.006 χ^2/NDF:1269075.8/31

Out: 37.574+/-0.006 χ^2/NDF:1663613.9/34

All: 37.787+/-0.004 χ^2/NDF: 2935117.0/66

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: 2198.880+/-301.238 χ^2/NDF:21.6/15

Left: 2074.833+/-208.933 χ^2/NDF: 33.9/33

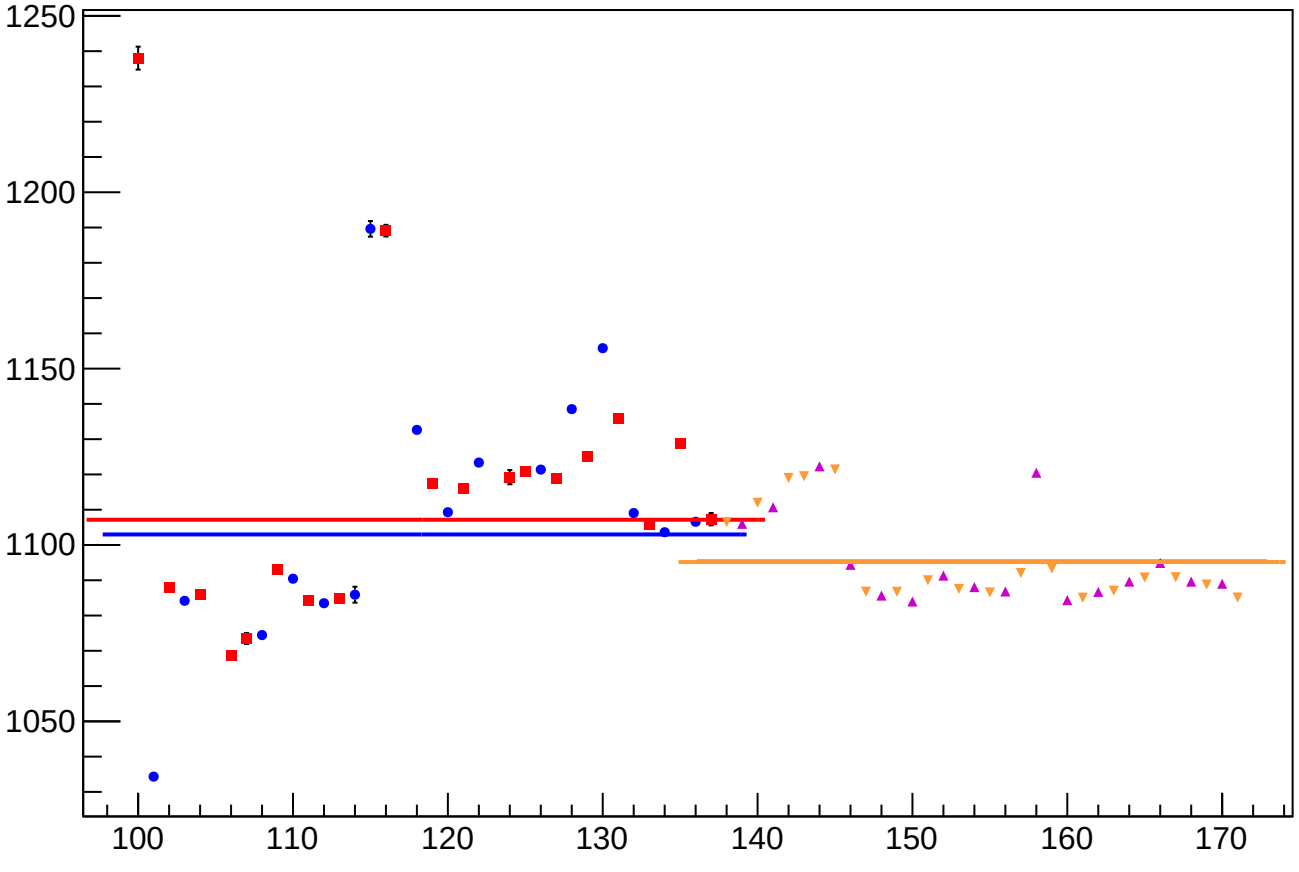
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2393.284+/-242.725 χ^2/NDF:32.3/31

Out: 1999.536+/-235.564 χ^2/NDF:24.5/36

All: 2190.516+/-169.044 χ^2/NDF: 58.2/68

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: 1095.298+/-0.213 χ^2/NDF:3368.2/15

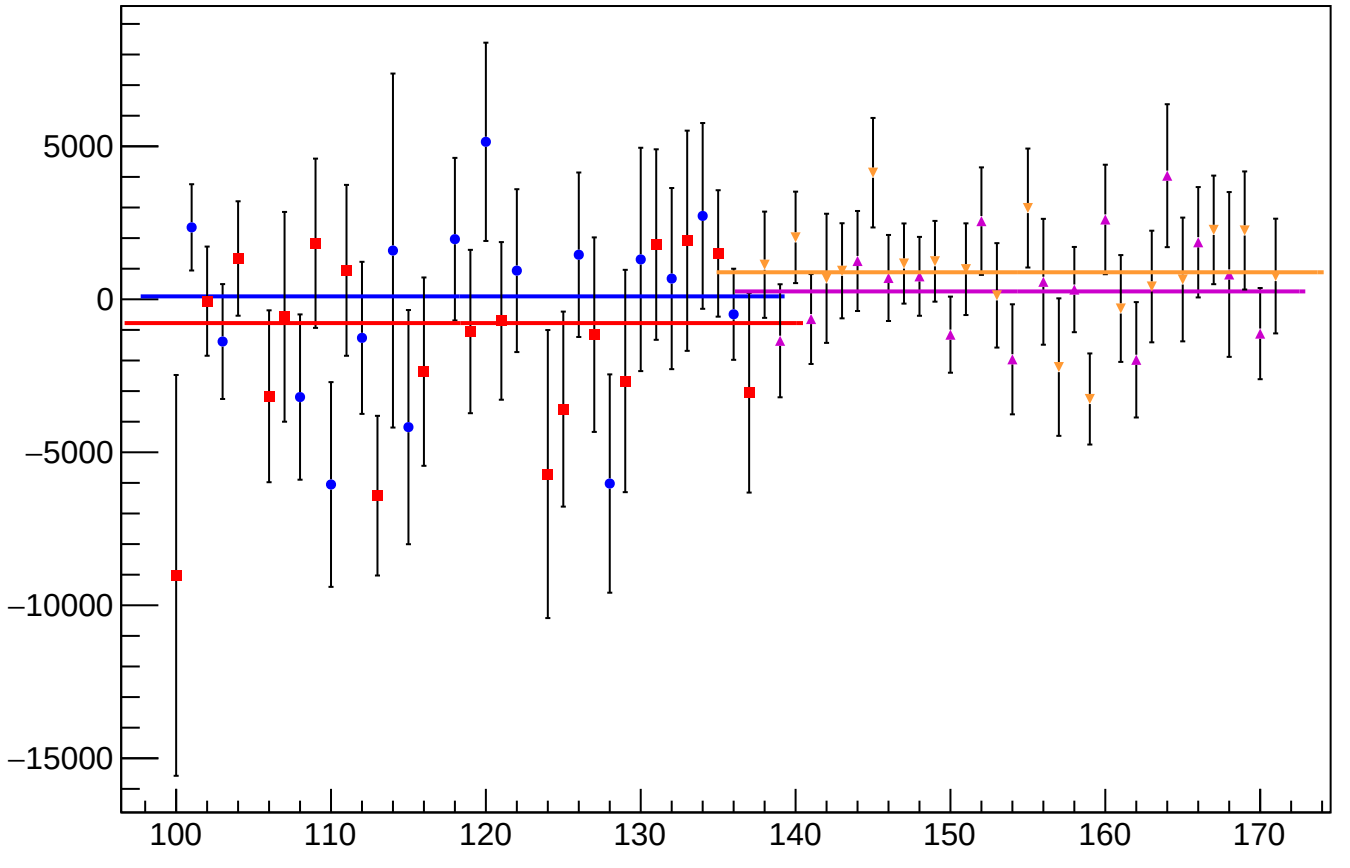
Left: 1095.230+/-0.148 χ^2/NDF: 6896.0/33

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

In: 1097.996+/-0.172 χ^2/NDF:17049.0/31

Out: 1099.248+/-0.167 χ^2/NDF:13374.6/36

All: 1098.641+/-0.120 χ^2/NDF: 30451.1/68



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: 257.666+/-410.230 χ^2/NDF:13.7/15

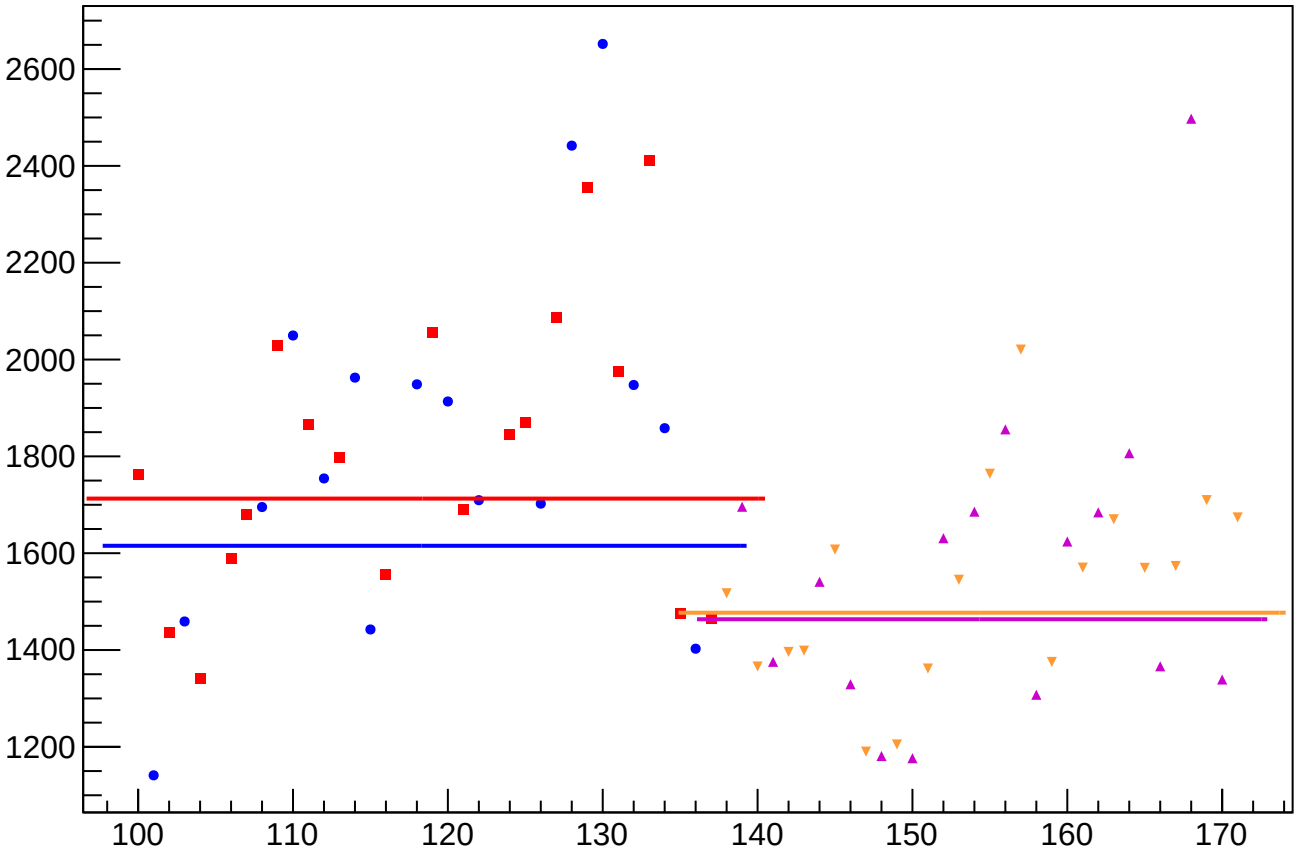
Left: 580.671+/-285.410 χ^2/NDF: 31.7/33

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

In: 208.216+/-341.799 χ^2/NDF:30.7/31

Out: 418.497+/-337.126 χ^2/NDF:36.7/36

All: 314.803+/-240.019 χ^2/NDF: 67.6/68



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: 1463.565+/-0.290 χ^2/NDF:811740.7/15

Left: 1470.552+/-0.202 χ^2/NDF: 1298914.6/33

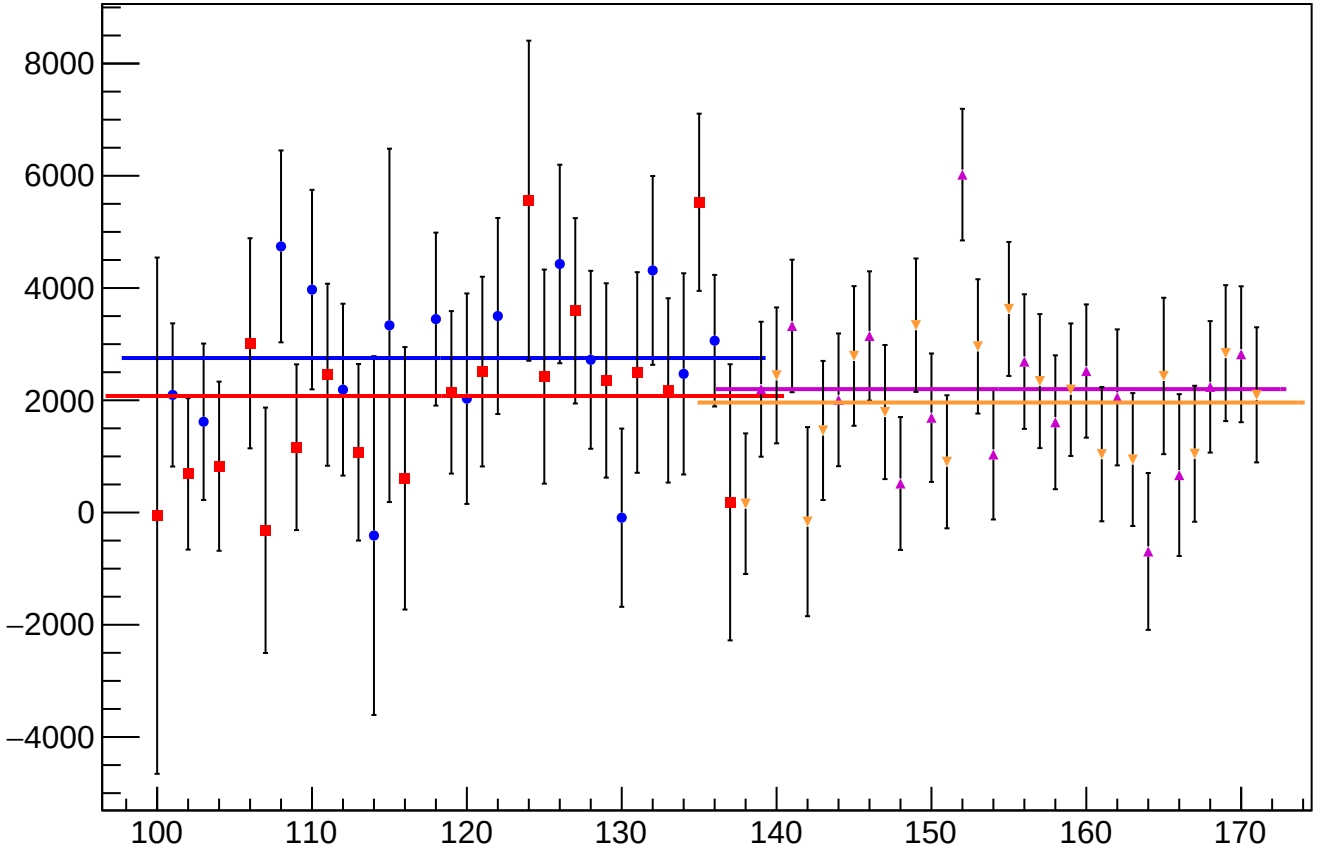
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1509.970+/-0.242 χ^2/NDF:1589059.0/31

Out: 1543.129+/-0.238 χ^2/NDF:1111240.6/36

All: 1526.778+/-0.170 χ^2/NDF: 2709840.8/68

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: 2198.880+/-301.238 χ^2/NDF:21.6/15

Left: 2074.833+/-208.933 χ^2/NDF: 33.9/33

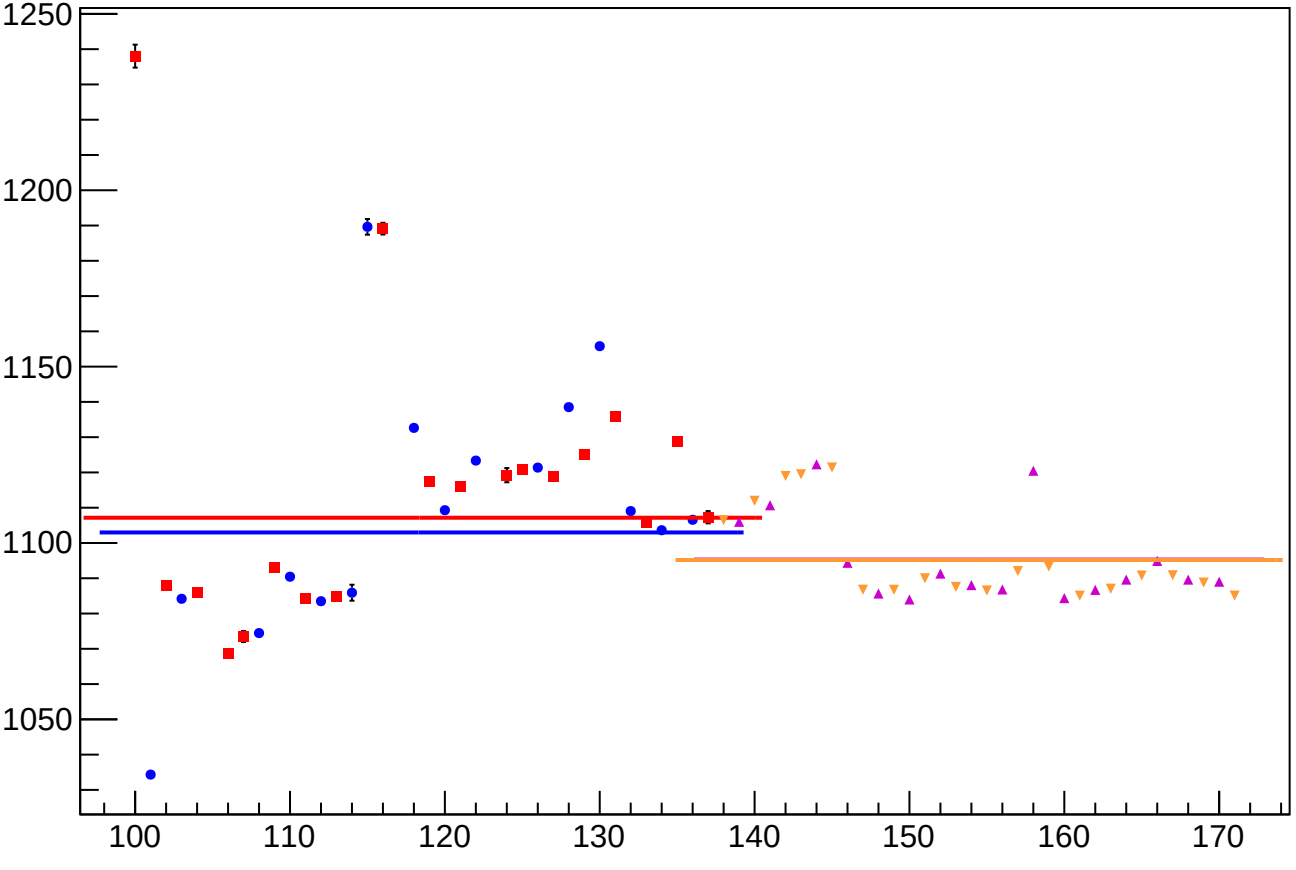
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2393.284+/-242.725 χ^2/NDF:32.3/31

Out: 1999.536+/-235.564 χ^2/NDF:24.5/36

All: 2190.516+/-169.044 χ^2/NDF: 58.2/68

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: 1095.298+/-0.213 χ^2/NDF:3368.2/15

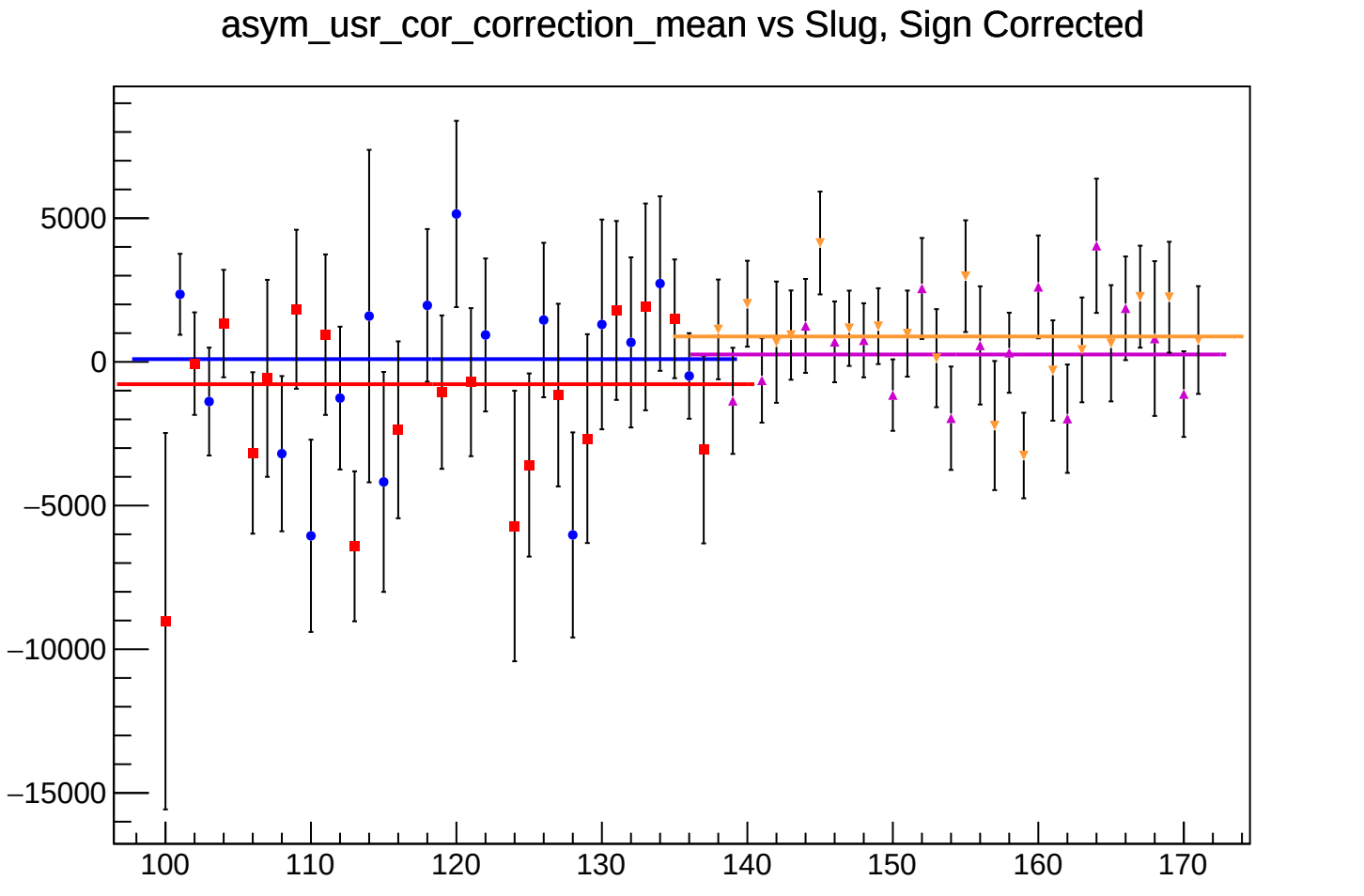
Left: 1095.230+/-0.148 χ^2/NDF: 6896.0/33

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

In: 1097.996+/-0.172 χ^2/NDF:17049.0/31

Out: 1099.248+/-0.167 χ^2/NDF:13374.6/36

All: 1098.641+/-0.120 χ^2/NDF: 30451.1/68



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: 257.666+/-410.230 χ^2/NDF:13.7/15

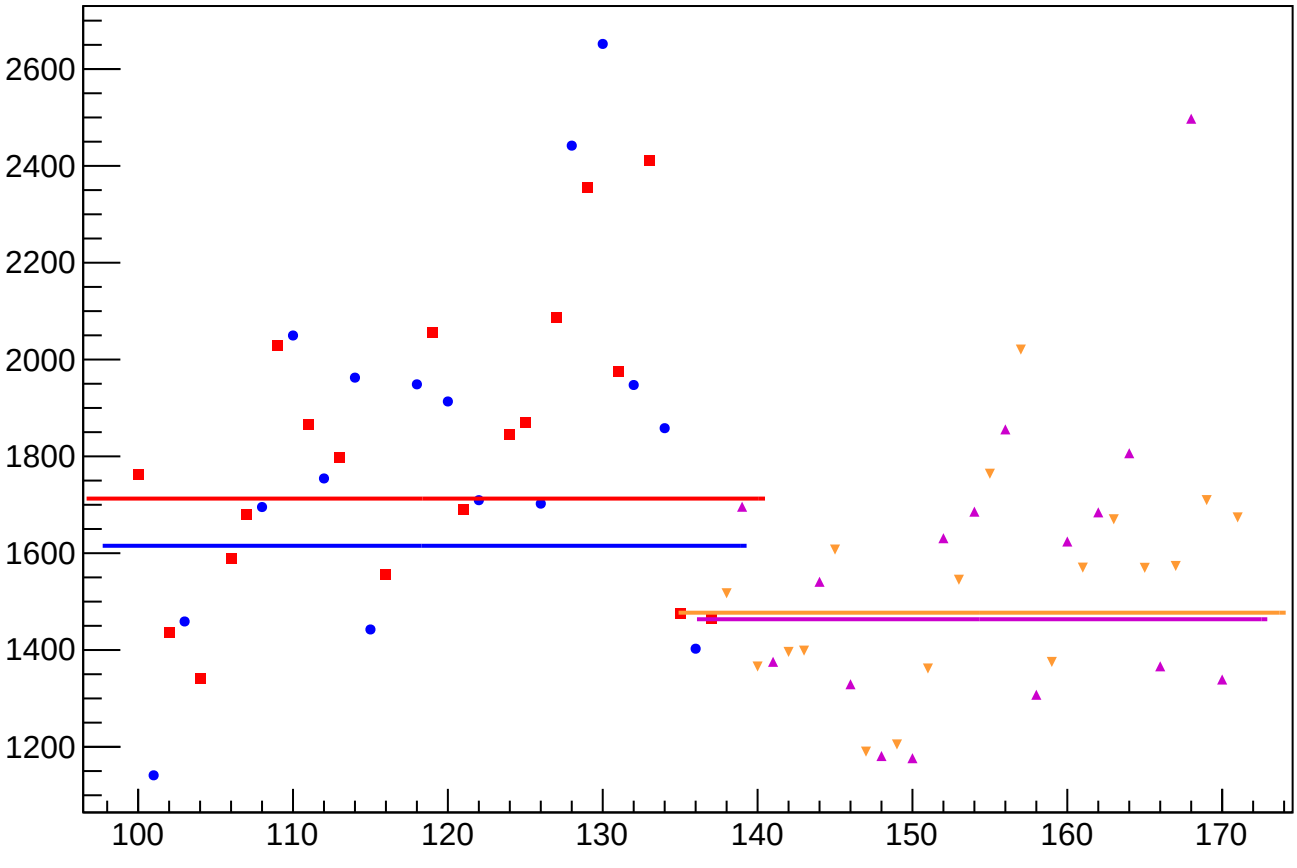
Left: 580.671+/-285.410 χ^2/NDF: 31.7/33

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

In: 208.216+/-341.799 χ^2/NDF:30.7/31

Out: 418.497+/-337.126 χ^2/NDF:36.7/36

All: 314.803+/-240.019 χ^2/NDF: 67.6/68



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: 1463.565+/-0.290 χ^2/NDF:811740.7/15

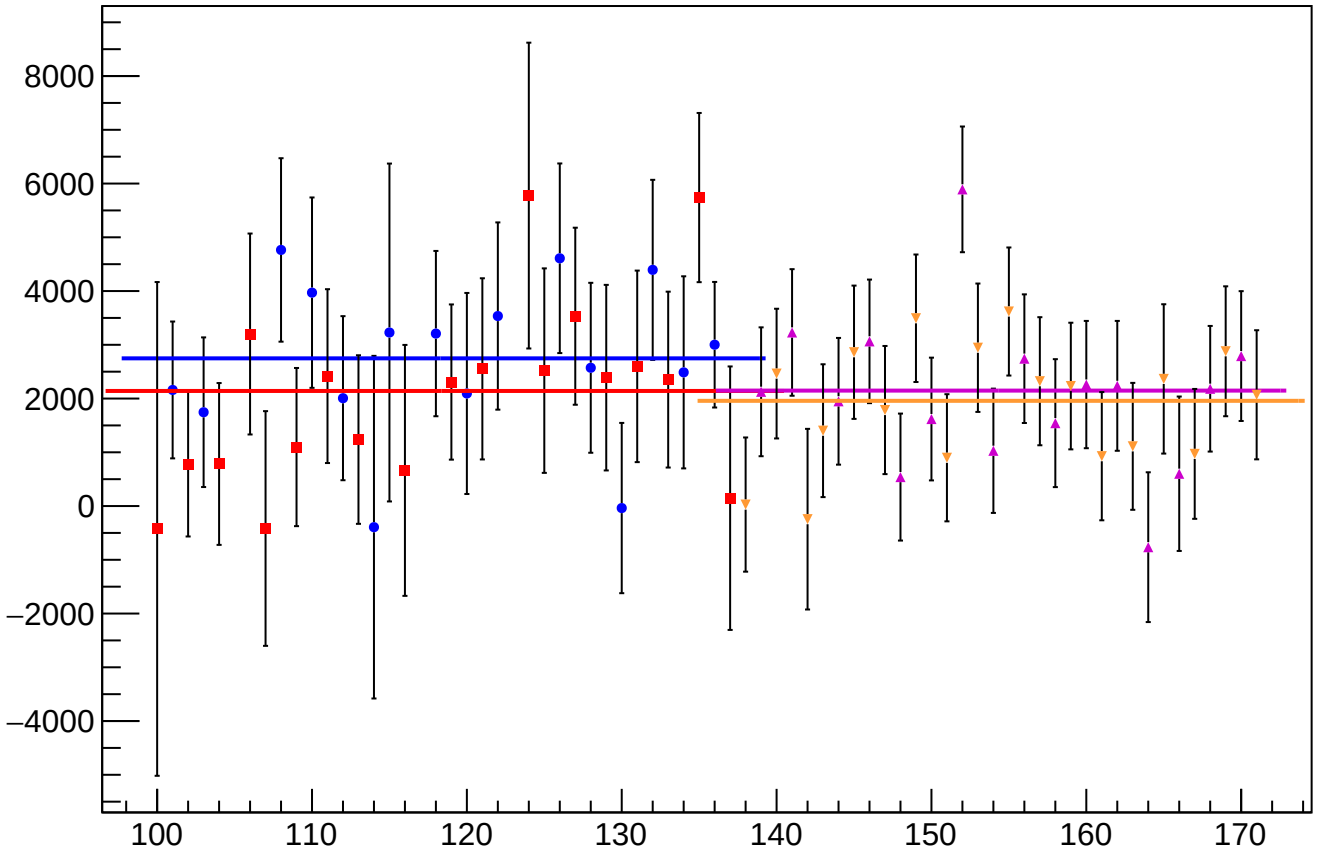
Left: 1470.552+/-0.202 χ^2/NDF: 1298914.6/33

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

In: 1509.970+/-0.242 χ^2/NDF:1589059.0/31

Out: 1543.129+/-0.238 χ^2/NDF:1111240.6/36

All: 1526.778+/-0.170 χ^2/NDF: 2709840.8/68



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: 2147.945+/-300.471 χ^2/NDF:21.1/15

Left: 2049.141+/-208.397 χ^2/NDF: 34.2/33

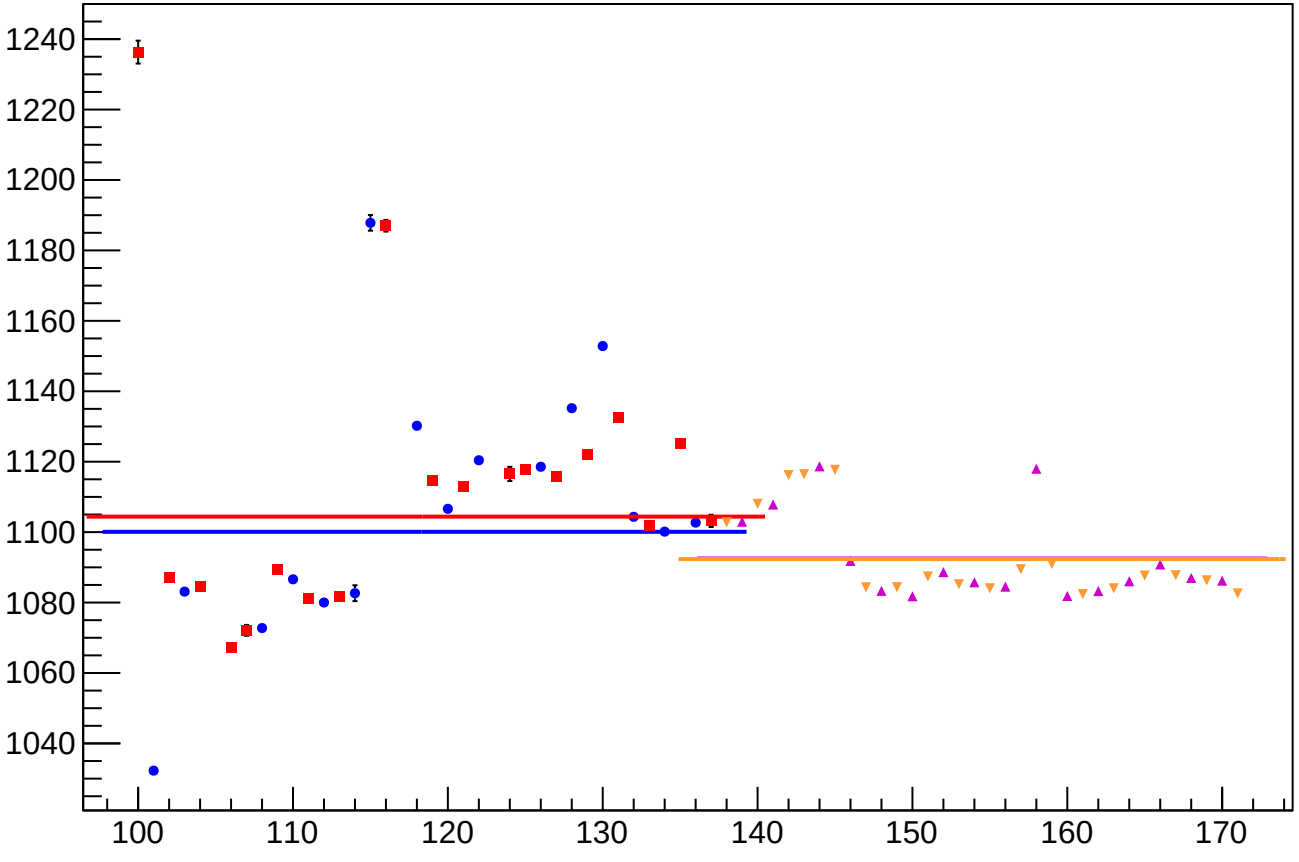
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2358.419+/-242.099 χ^2/NDF:32.0/31

Out: 2020.039+/-234.963 χ^2/NDF:26.6/36

All: 2184.169+/-168.611 χ^2/NDF: 59.6/68

overload_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.090+/-0.289 χ^2/NDF: 13077.1/15

Left Out: 1092.346+/-0.205 χ^2/NDF:3348.0/17

Right Out: 1104.403+/-0.285 χ^2/NDF: 8543.5/18

Left In: 1092.510+/-0.212 χ^2/NDF:3294.4/15

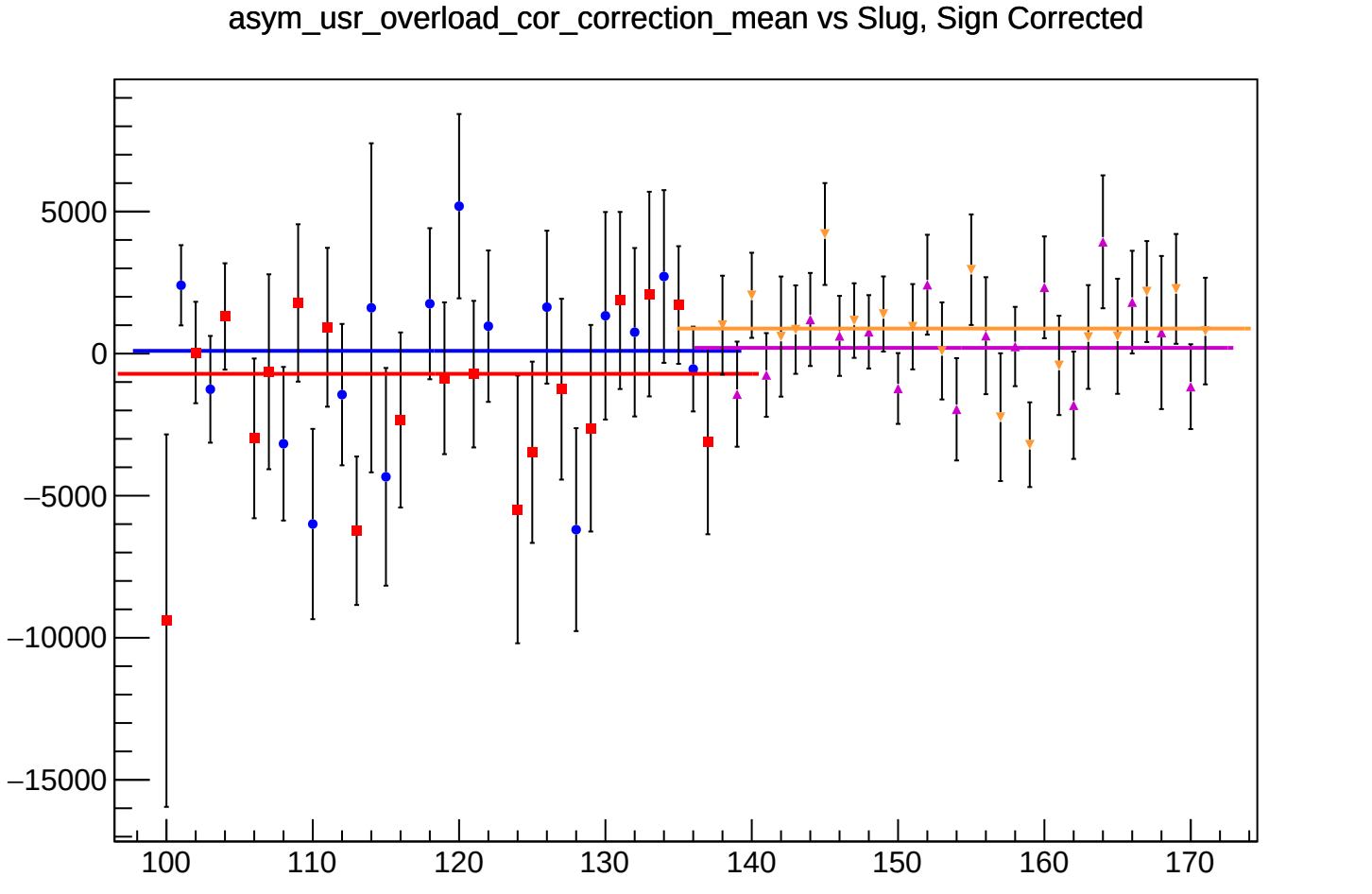
Left: 1092.425+/-0.147 χ^2/NDF: 6642.7/33

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

In: 1095.169+/-0.171 χ^2/NDF:16818.1/31

Out: 1096.449+/-0.166 χ^2/NDF:13073.6/36

All: 1095.828+/-0.119 χ^2/NDF: 29920.5/68



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: 201.706+/-410.846 χ^2/NDF:13.0/15

Left: 553.261+/-285.839 χ^2/NDF: 31.2/33

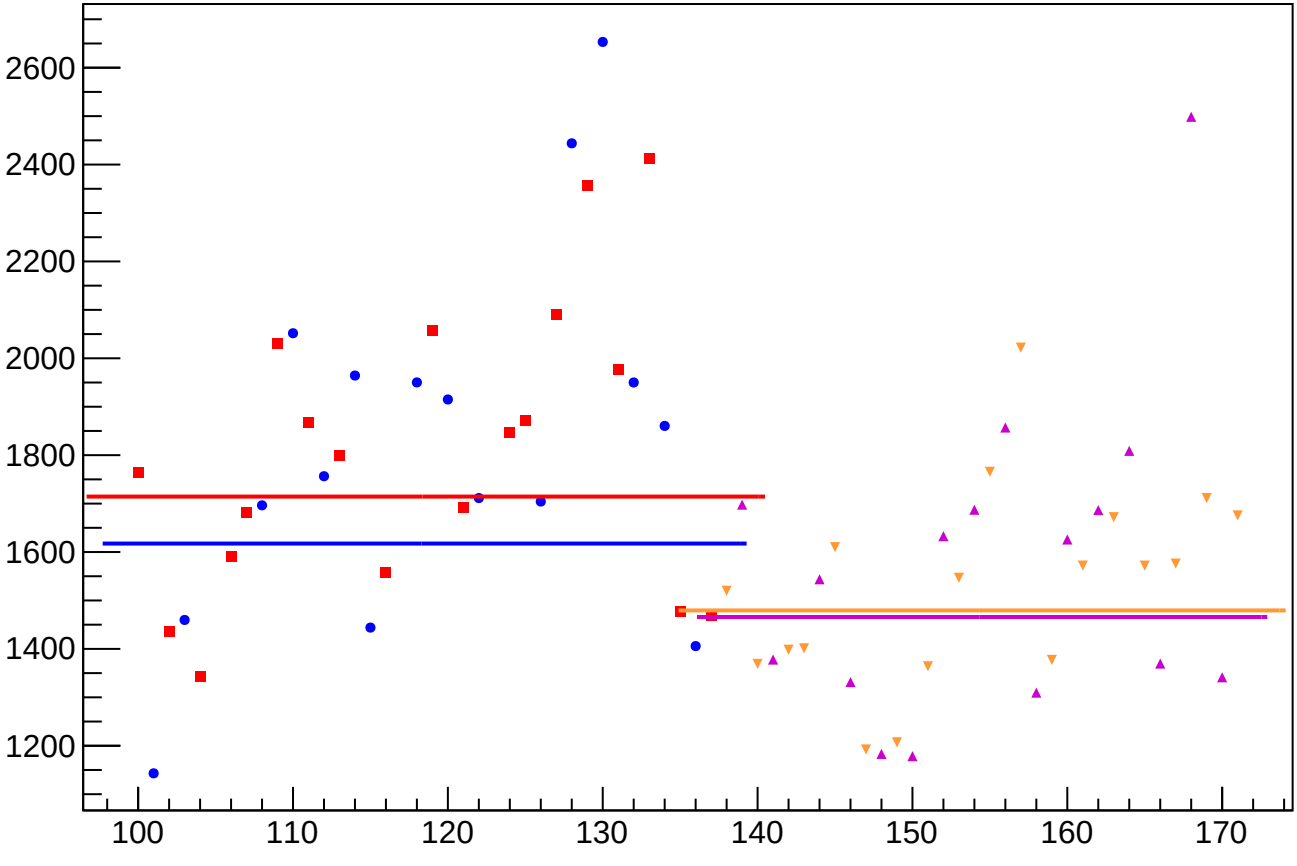
Right: -294.885+/-444.079 χ^2/NDF: 33.0/34

In: 169.810+/-342.288 χ^2/NDF:30.3/31

Out: 436.114+/-337.583 χ^2/NDF:36.1/36

All: 304.805+/-240.353 χ^2/NDF: 66.7/68

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: 1465.869+/-0.291 χ^2/NDF:808855.7/15

Left: 1472.864+/-0.202 χ^2/NDF: 1293862.5/33

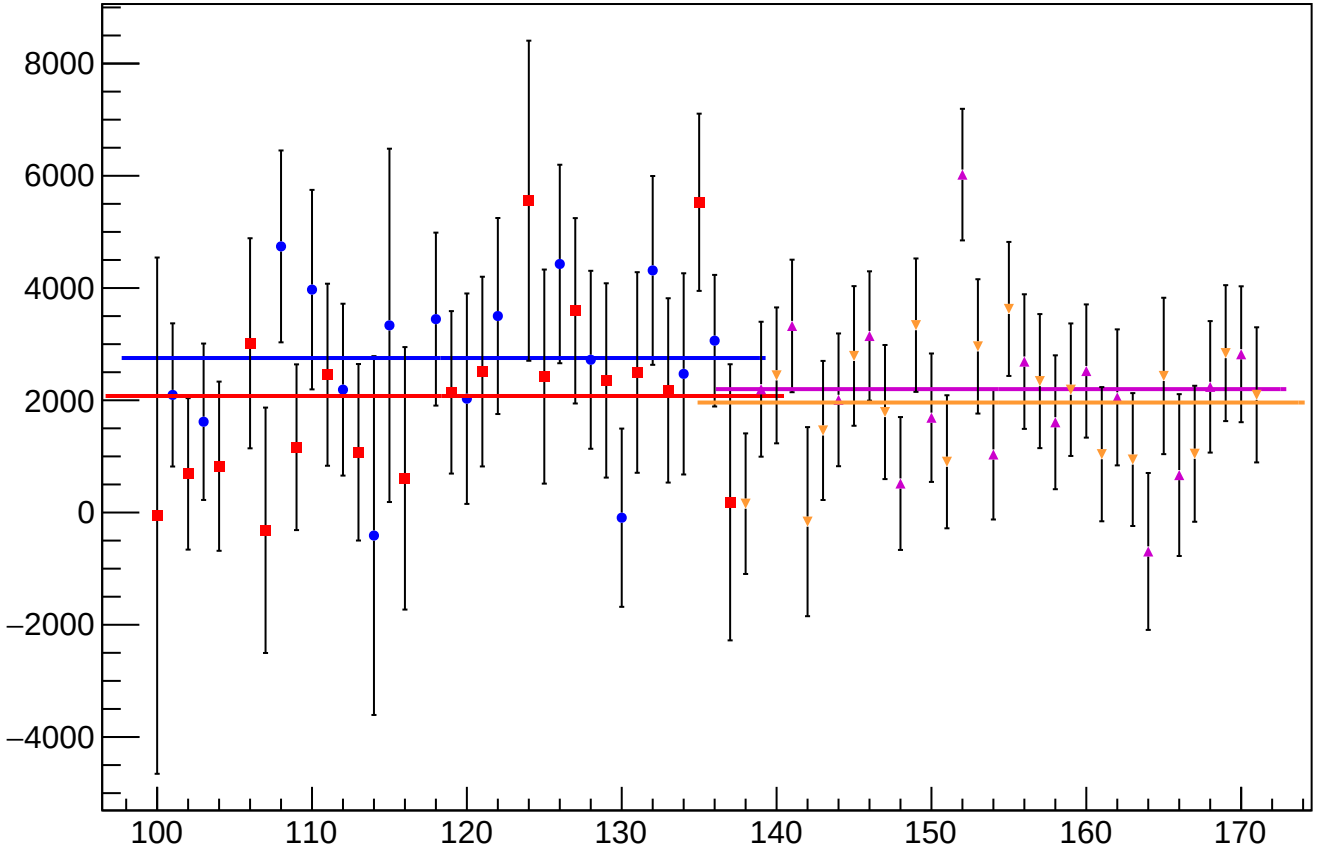
Right: 1664.555+/-0.314 χ^2/NDF: 1143278.0/34

In: 1512.250+/-0.242 χ^2/NDF:1583905.0/31

Out: 1545.329+/-0.239 χ^2/NDF:1107258.6/36

All: 1529.018+/-0.170 χ^2/NDF: 2700632.3/68

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: 2198.880+/-301.238 χ^2/NDF:21.6/15

Left: 2074.833+/-208.933 χ^2/NDF: 33.9/33

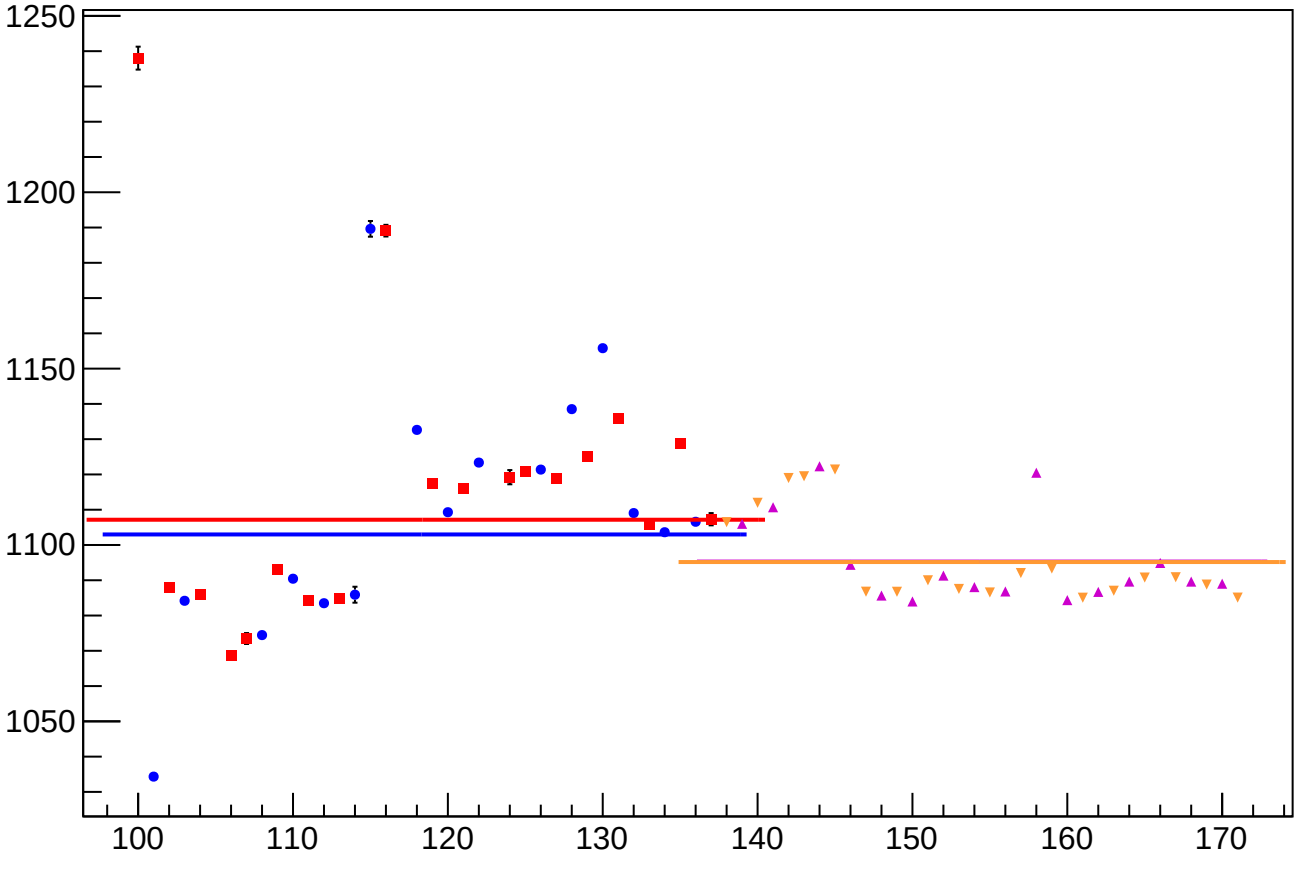
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2393.284+/-242.725 χ^2/NDF:32.3/31

Out: 1999.536+/-235.564 χ^2/NDF:24.5/36

All: 2190.516+/-169.044 χ^2/NDF: 58.2/68

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: 1095.298+/-0.213 χ^2/NDF:3368.2/15

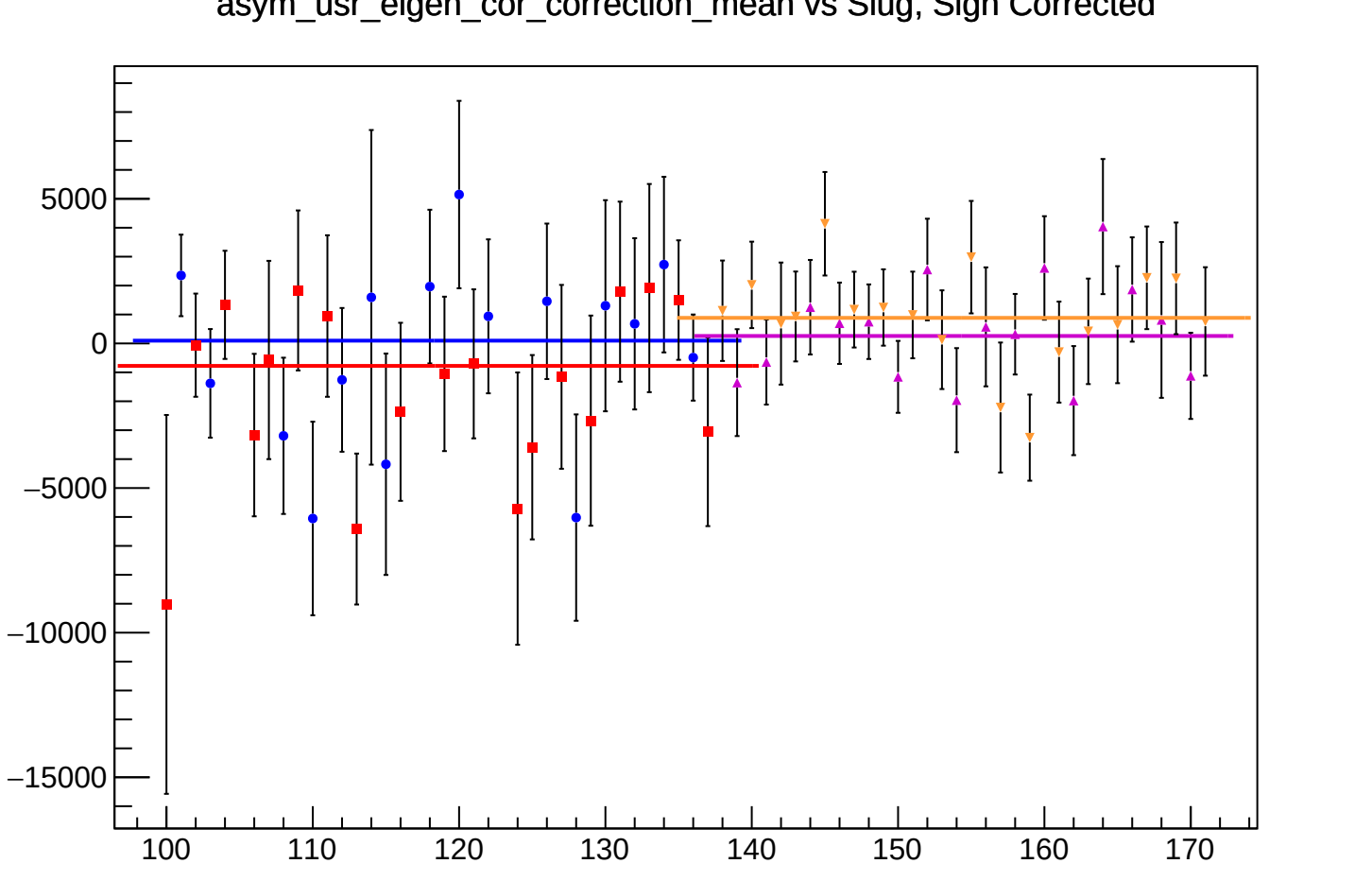
Left: 1095.230+/-0.148 χ^2/NDF: 6896.0/33

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

In: 1097.996+/-0.172 χ^2/NDF:17049.0/31

Out: 1099.248+/-0.167 χ^2/NDF:13374.6/36

All: 1098.641+/-0.120 χ^2/NDF: 30451.1/68



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: 257.666+/-410.230 χ^2/NDF:13.7/15

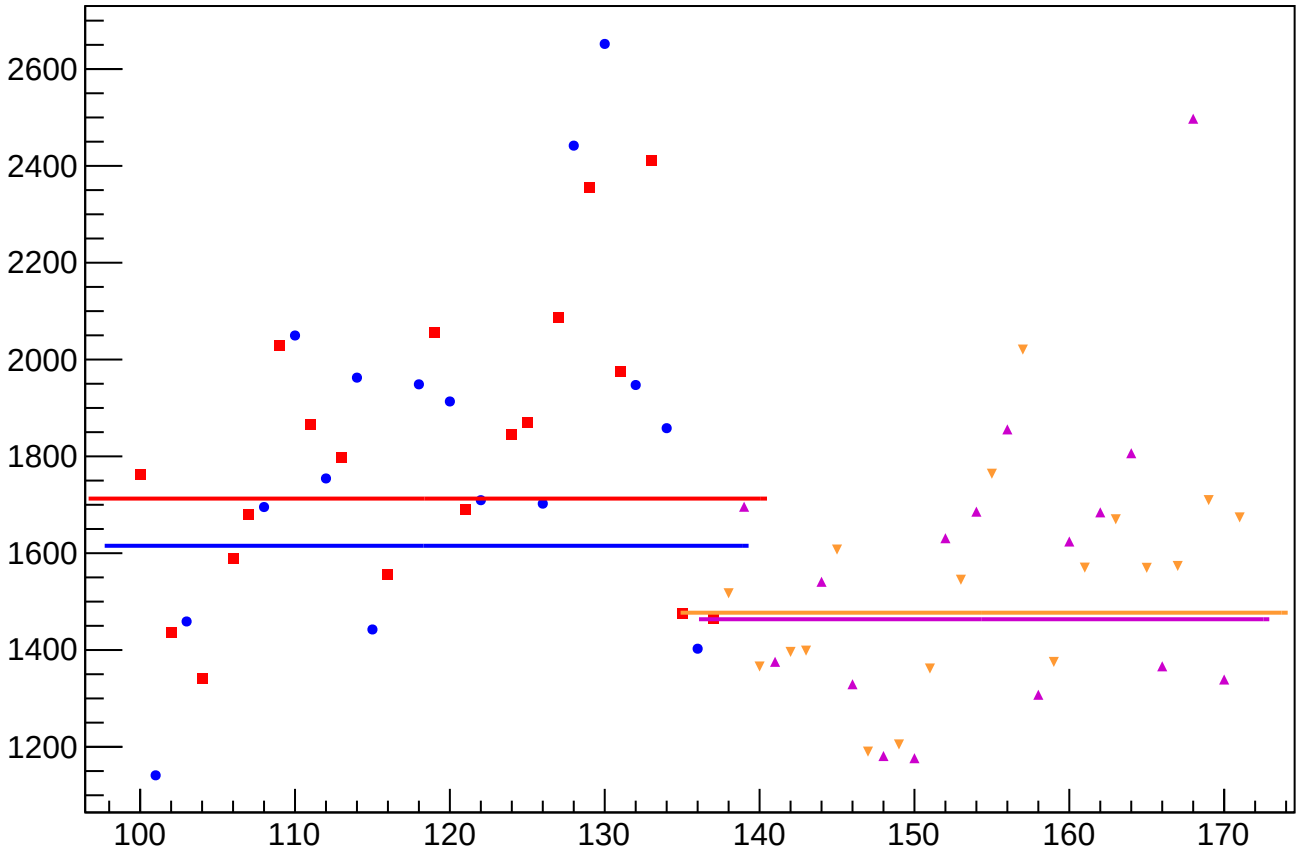
Left: 580.671+/-285.410 χ^2/NDF: 31.7/33

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

In: 208.216+/-341.799 χ^2/NDF:30.7/31

Out: 418.497+/-337.126 χ^2/NDF:36.7/36

All: 314.803+/-240.019 χ^2/NDF: 67.6/68



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: 1463.565+/-0.290 χ^2/NDF:811740.7/15

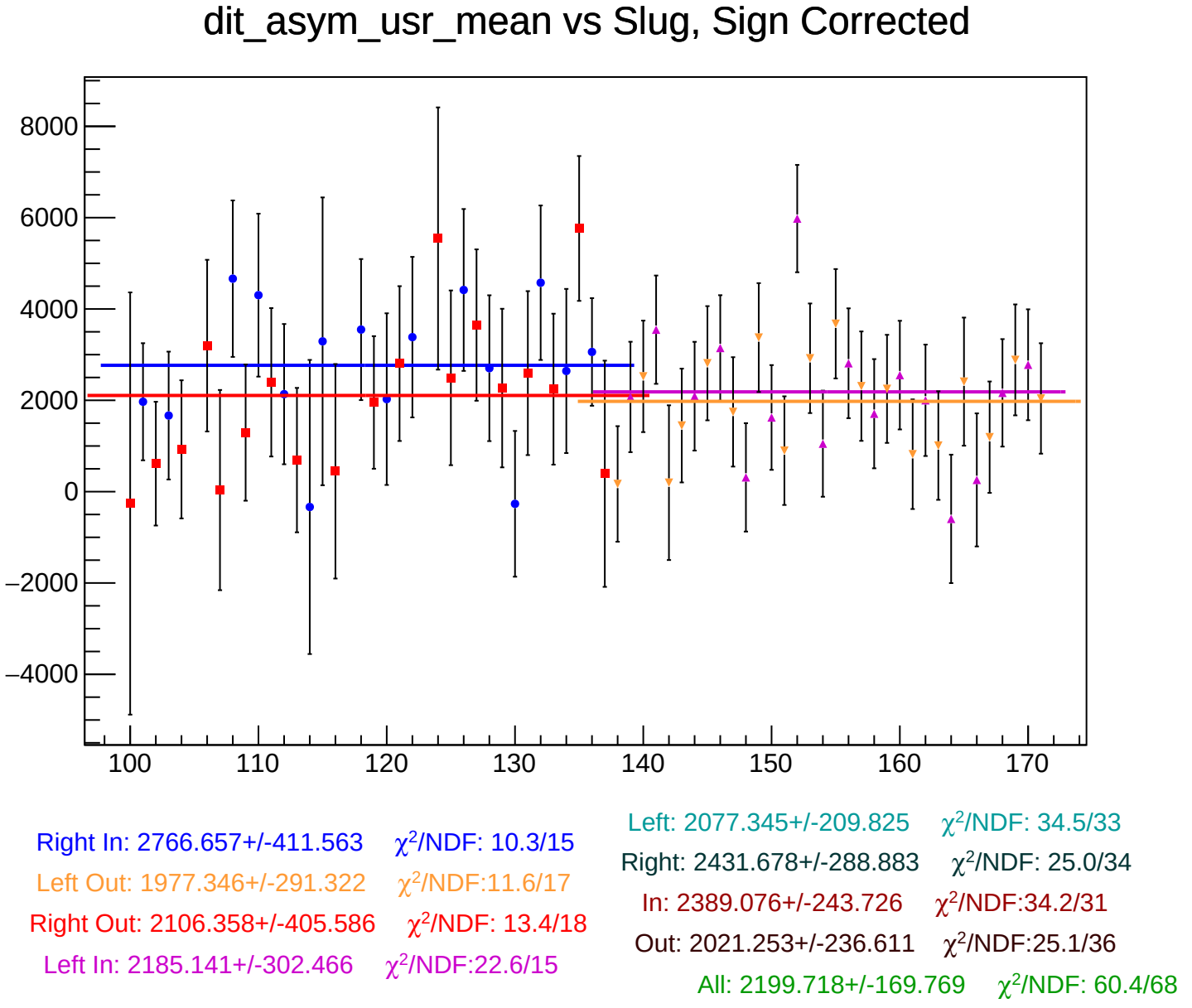
Left: 1470.552+/-0.202 χ^2/NDF: 1298914.6/33

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

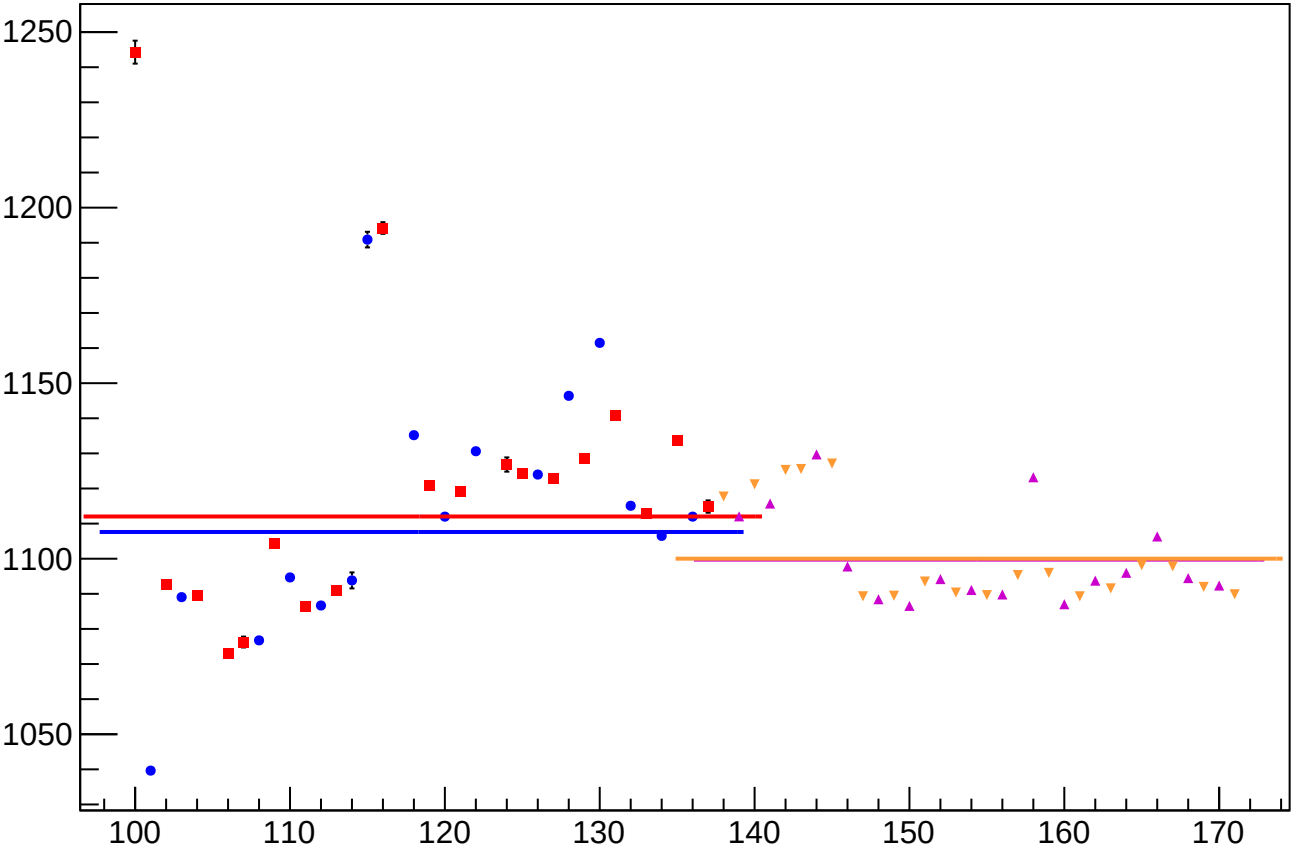
In: 1509.970+/-0.242 χ^2/NDF:1589059.0/31

Out: 1543.129+/-0.238 χ^2/NDF:1111240.6/36

All: 1526.778+/-0.170 χ^2/NDF: 2709840.8/68


dit_asym_usr_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 2766.657+/-411.563 χ²/NDF: 10.3/15
Left Out: 1977.346+/-291.322 χ²/NDF:11.6/17
Right Out: 2106.358+/-405.586 χ²/NDF: 13.4/18
Left In: 2185.141+/-302.466 χ²/NDF:22.6/15
Left: 2077.345+/-209.825 χ²/NDF: 34.5/33
Right: 2431.678+/-288.883 χ²/NDF: 25.0/34
In: 2389.076+/-243.726 χ²/NDF:34.2/31
Out: 2021.253+/-236.611 χ²/NDF:25.1/36
All: 2199.718+/-169.769 χ²/NDF: 60.4/68

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: 1099.743+/-0.214 χ^2/NDF:3795.4/15

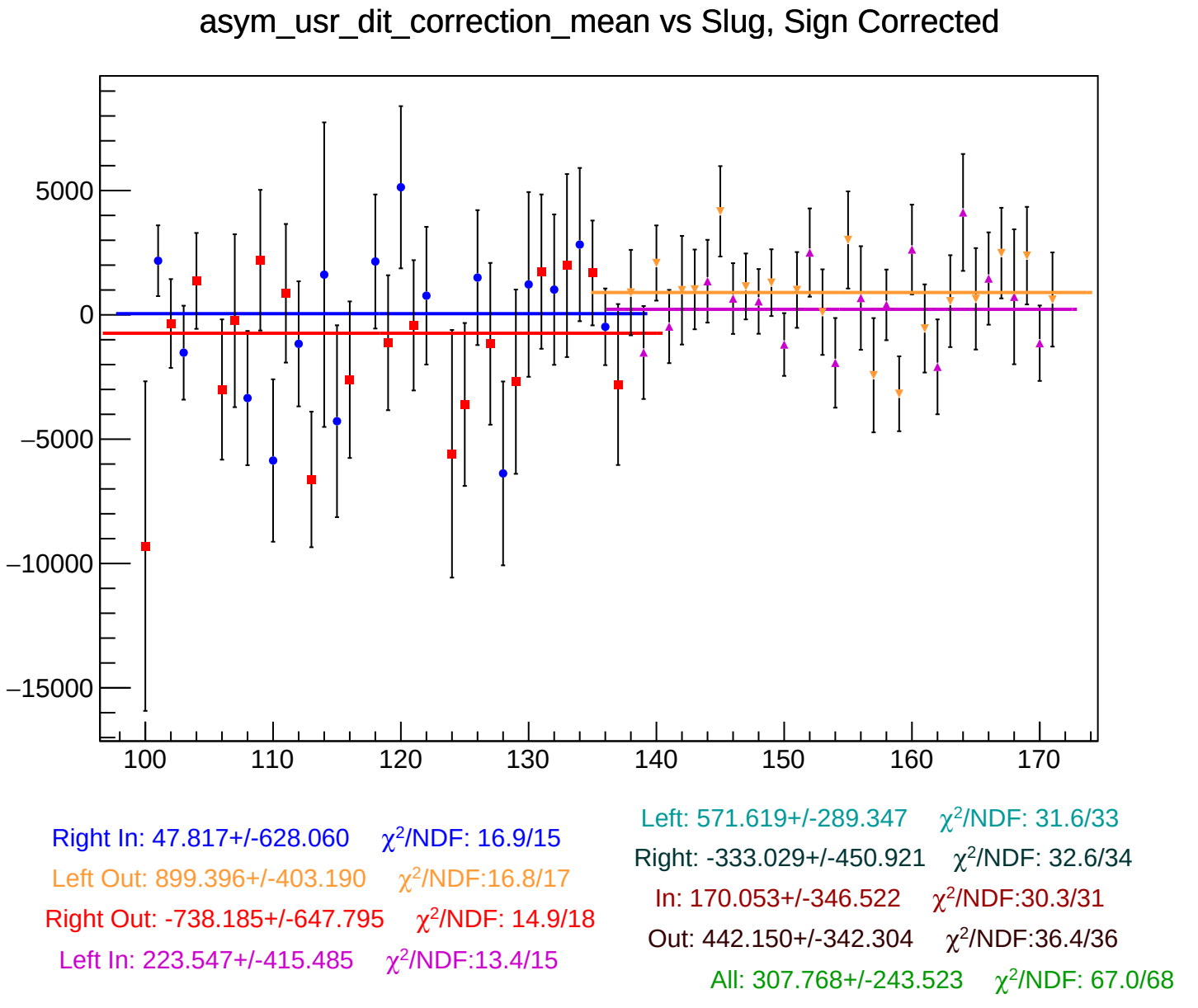
Left: 1099.883+/-0.148 χ^2/NDF: 8223.9/33

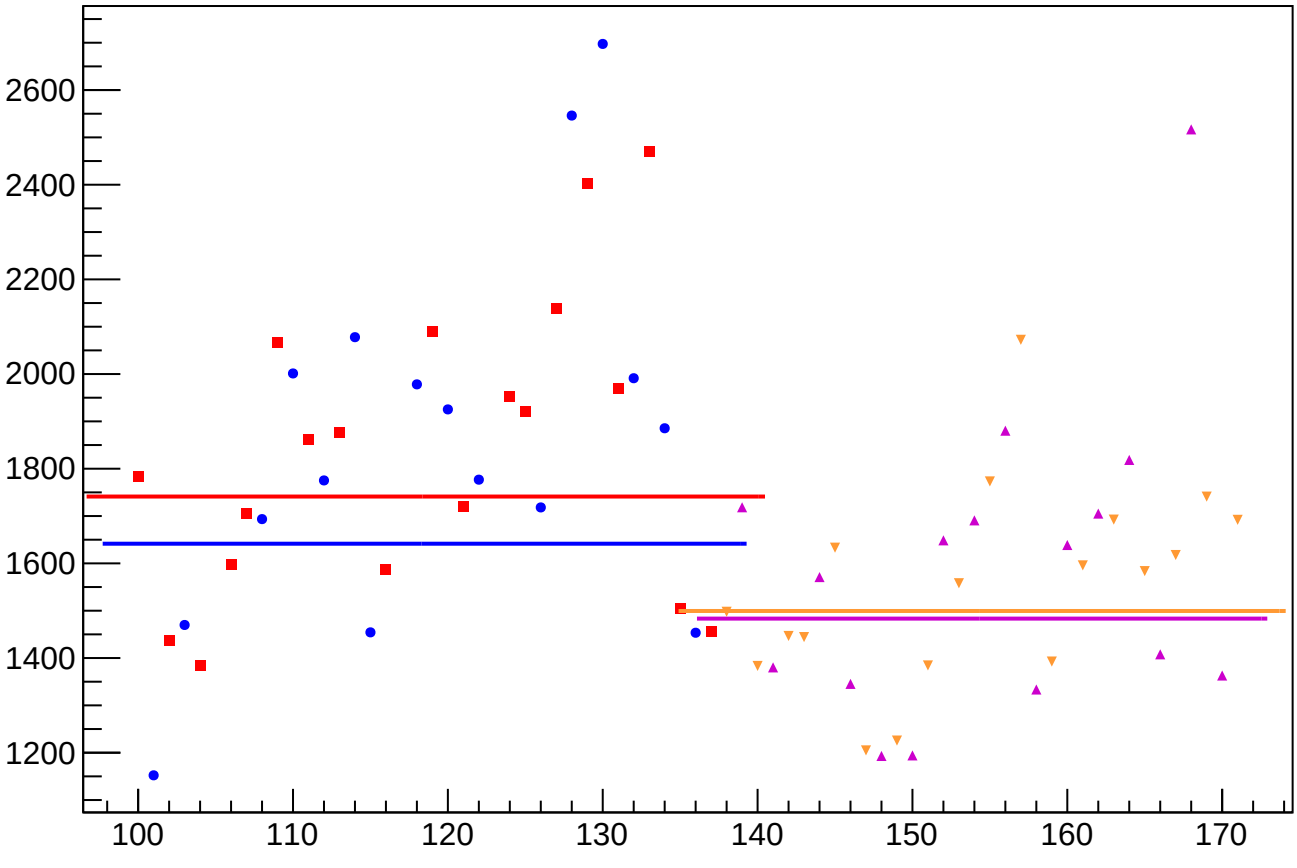
Right: 1109.854+/-0.204 χ^2/NDF: 21991.1/34

In: 1102.503+/-0.172 χ^2/NDF:17491.1/31

Out: 1104.103+/-0.167 χ^2/NDF:14239.1/36

All: 1103.327+/-0.120 χ^2/NDF: 31774.5/68


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: 223.547+/-415.485 χ²/NDF:13.4/15
Left: 571.619+/-289.347 χ²/NDF: 31.6/33
Right: -333.029+/-450.921 χ²/NDF: 32.6/34
In: 170.053+/-346.522 χ²/NDF:30.3/31
Out: 442.150+/-342.304 χ²/NDF:36.4/36
All: 307.768+/-243.523 χ²/NDF: 67.0/68



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: 1483.299+/-0.294 χ^2/NDF:797371.6/15

Left: 1491.599+/-0.205 χ^2/NDF: 1284875.3/33

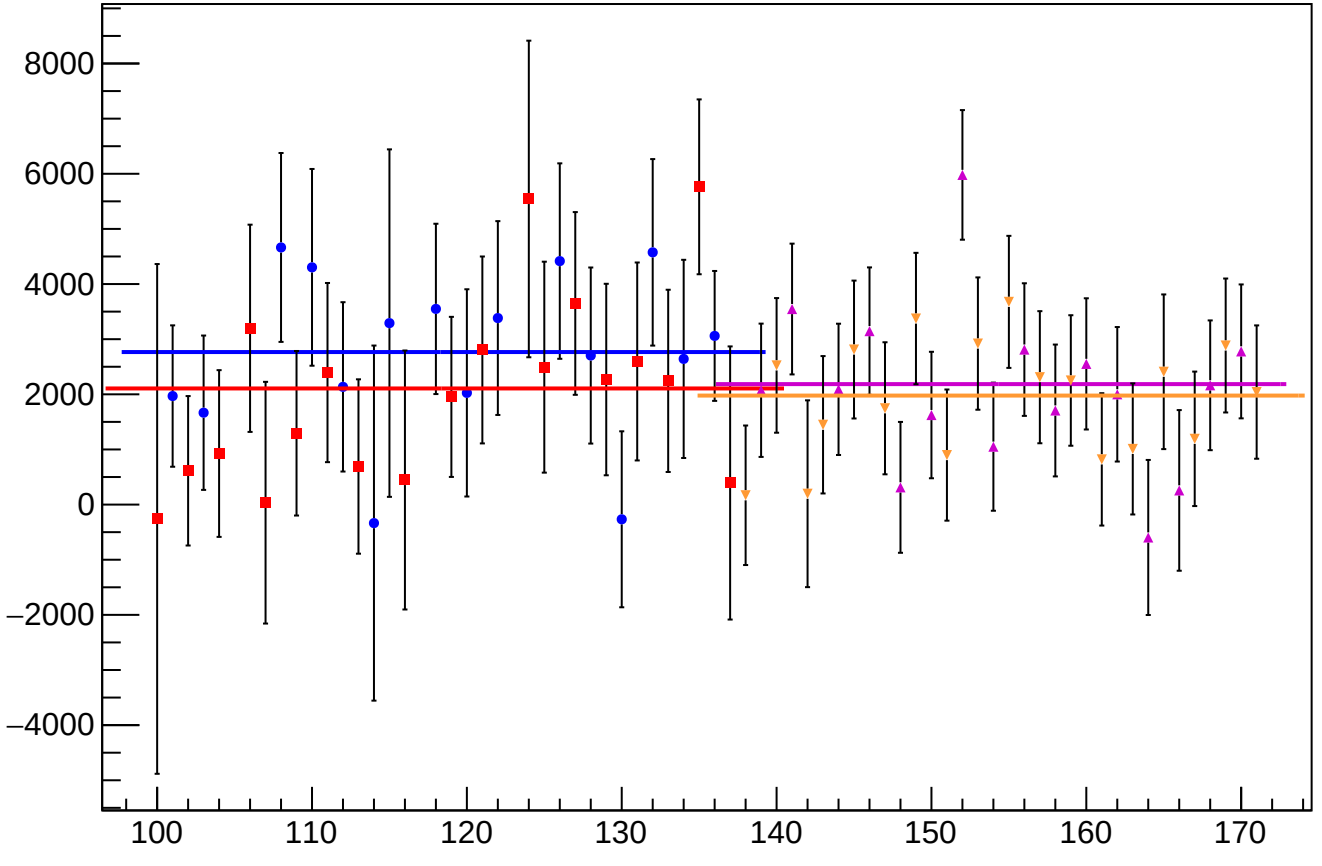
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1531.468+/-0.245 χ^2/NDF:1586992.6/31

Out: 1566.927+/-0.242 χ^2/NDF:1125113.4/36

All: 1549.415+/-0.172 χ^2/NDF: 2722704.9/68

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: 2185.142+/-302.466 χ^2/NDF:22.6/15

Left: 2077.344+/-209.825 χ^2/NDF: 34.5/33

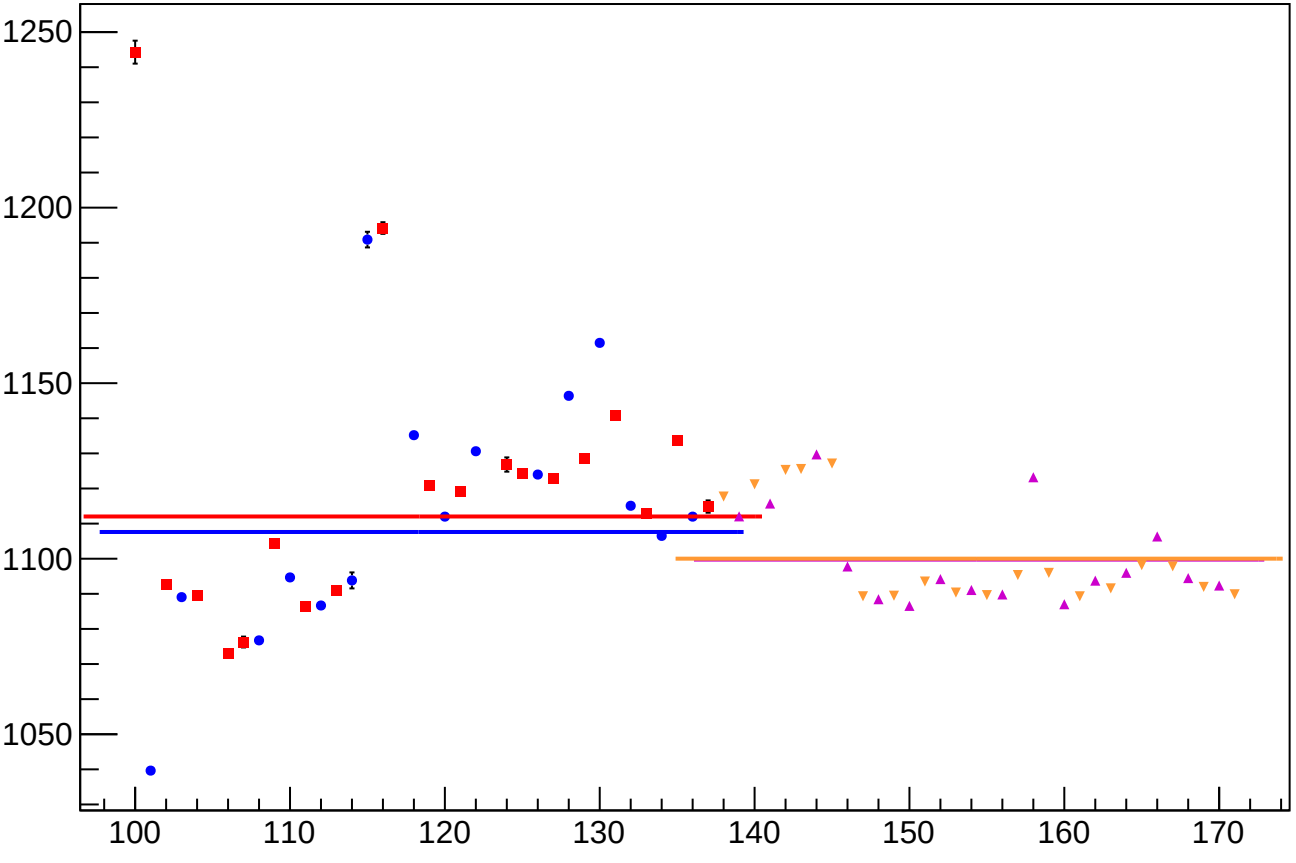
Right: 2431.678+/-288.882 χ^2/NDF: 25.0/34

In: 2389.076+/-243.726 χ^2/NDF:34.2/31

Out: 2021.253+/-236.611 χ^2/NDF:25.1/36

All: 2199.718+/-169.769 χ^2/NDF: 60.4/68

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: 1099.743+/-0.214 χ^2/NDF:3795.4/15

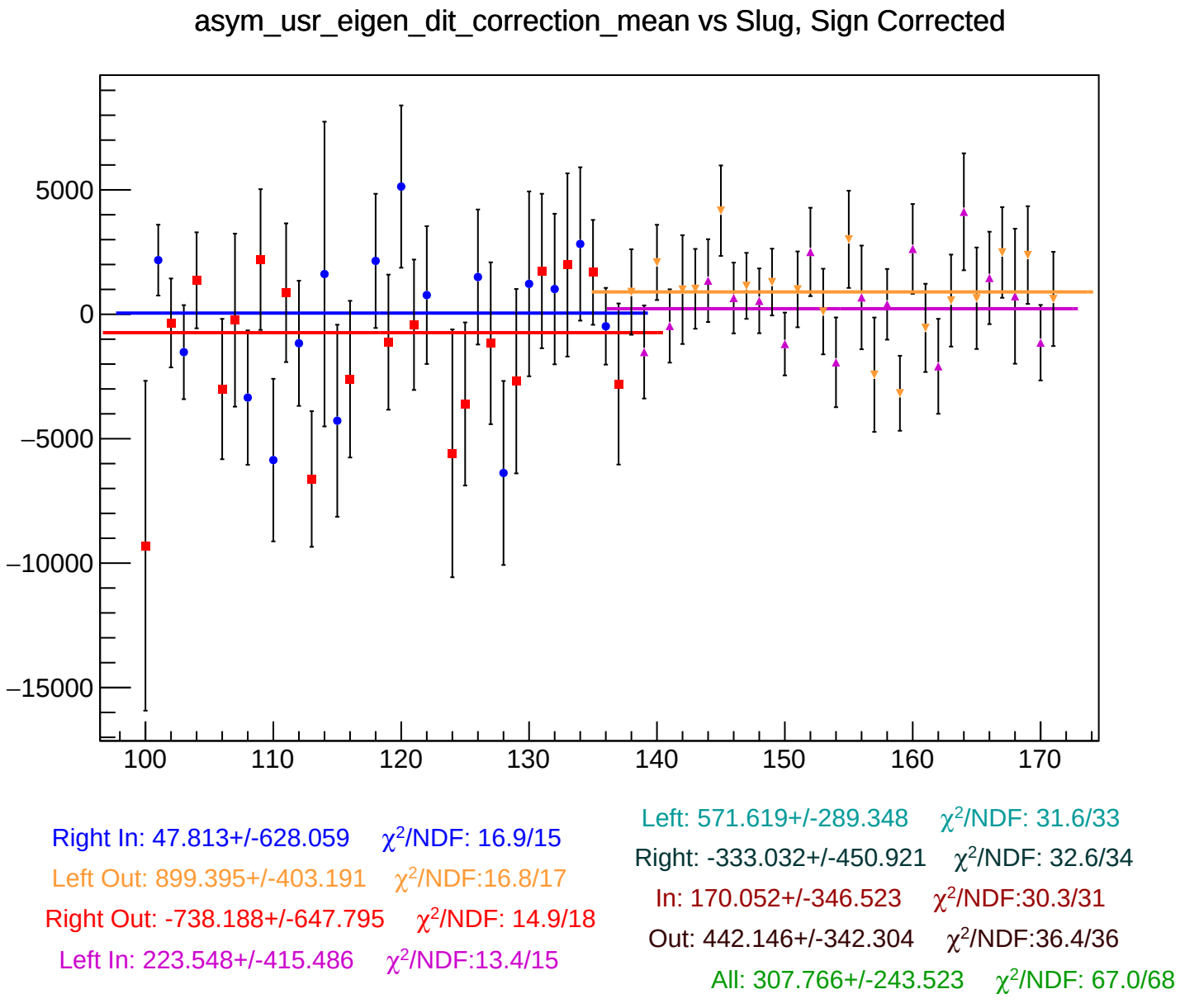
Left: 1099.884+/-0.148 χ^2/NDF: 8223.9/33

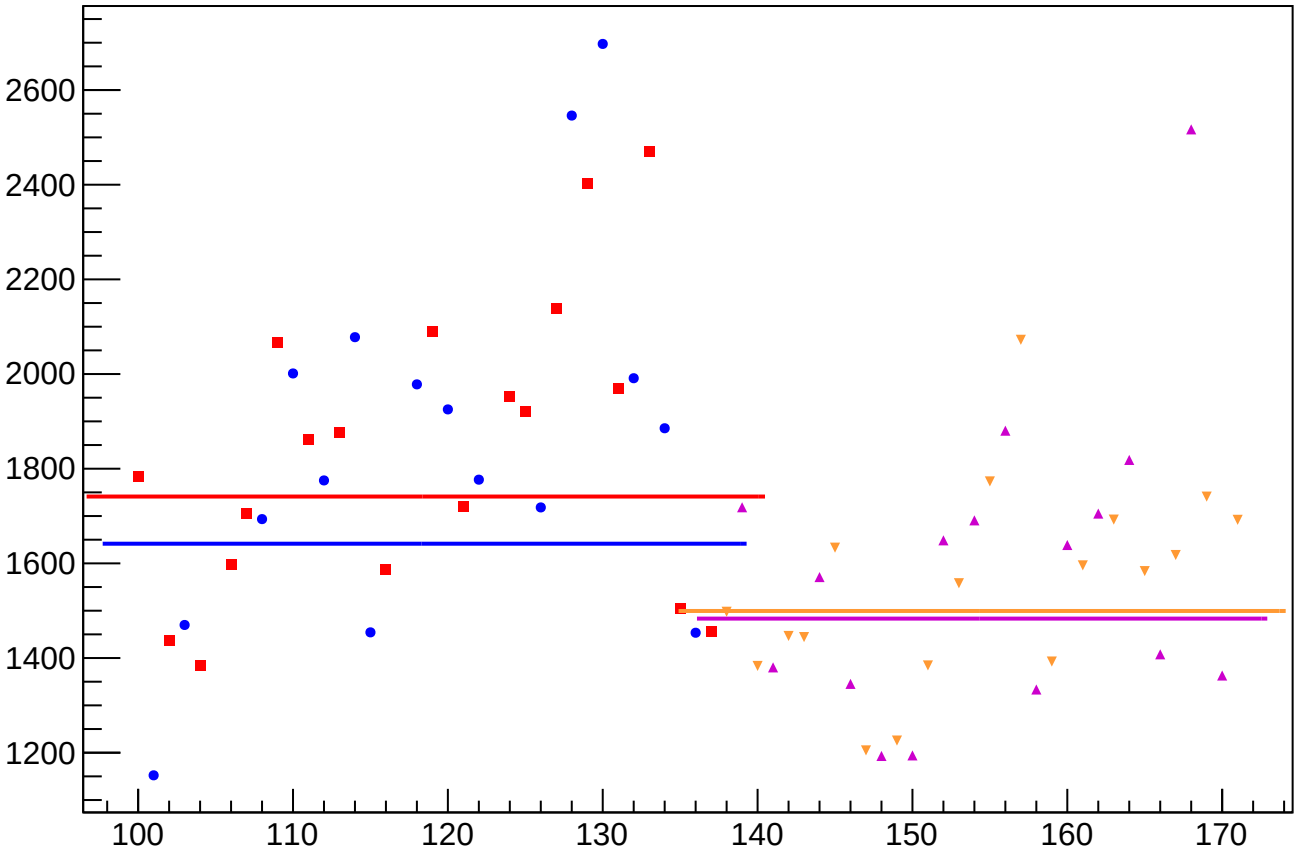
Right: 1109.853+/-0.204 χ^2/NDF: 21991.0/34

In: 1102.503+/-0.172 χ^2/NDF:17491.0/31

Out: 1104.103+/-0.167 χ^2/NDF:14239.1/36

All: 1103.327+/-0.120 χ^2/NDF: 31774.4/68


asym_usr_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 47.813+/-628.059 χ²/NDF: 16.9/15
Left Out: 899.395+/-403.191 χ²/NDF:16.8/17
Right Out: -738.188+/-647.795 χ²/NDF: 14.9/18
Left In: 223.548+/-415.486 χ²/NDF:13.4/15
Left: 571.619+/-289.348 χ²/NDF: 31.6/33
Right: -333.032+/-450.921 χ²/NDF: 32.6/34
In: 170.052+/-346.523 χ²/NDF:30.3/31
Out: 442.146+/-342.304 χ²/NDF:36.4/36
All: 307.766+/-243.523 χ²/NDF: 67.0/68



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: 1483.302+/-0.294 χ^2/NDF:797377.3/15

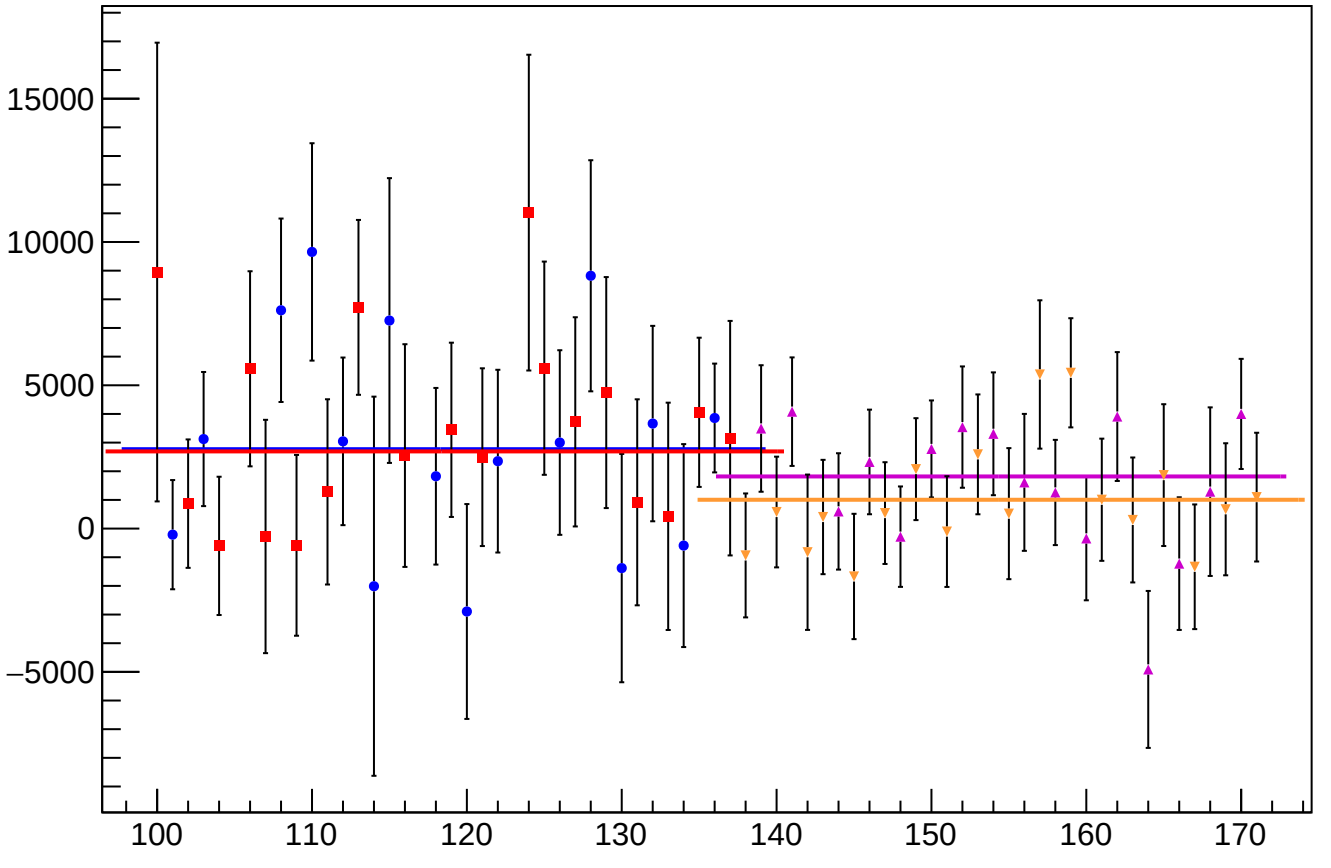
Left: 1491.603+/-0.205 χ^2/NDF: 1284885.7/33

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

In: 1531.471+/-0.245 χ^2/NDF:1586979.7/31

Out: 1566.929+/-0.242 χ^2/NDF:1125097.7/36

All: 1549.417+/-0.172 χ^2/NDF: 2722676.5/68



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: 1818.949+/-517.532 χ^2/NDF:16.4/15

Left: 1397.309+/-359.202 χ^2/NDF: 31.6/33

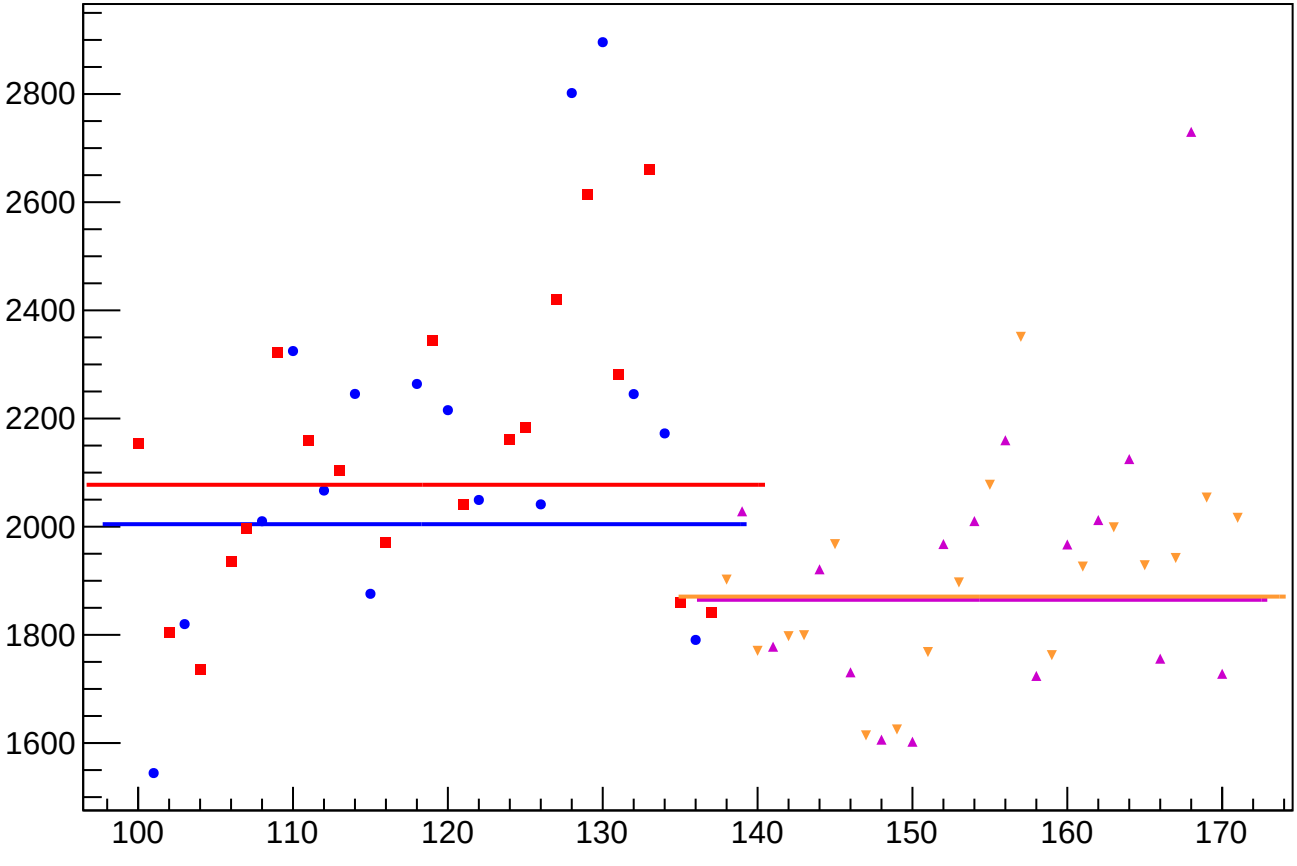
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2121.803+/-427.252 χ^2/NDF:33.9/31

Out: 1508.242+/-418.042 χ^2/NDF:29.9/36

All: 1808.338+/-298.803 χ^2/NDF: 64.9/68

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: 1864.865+/-0.366 χ^2/NDF:394167.3/15

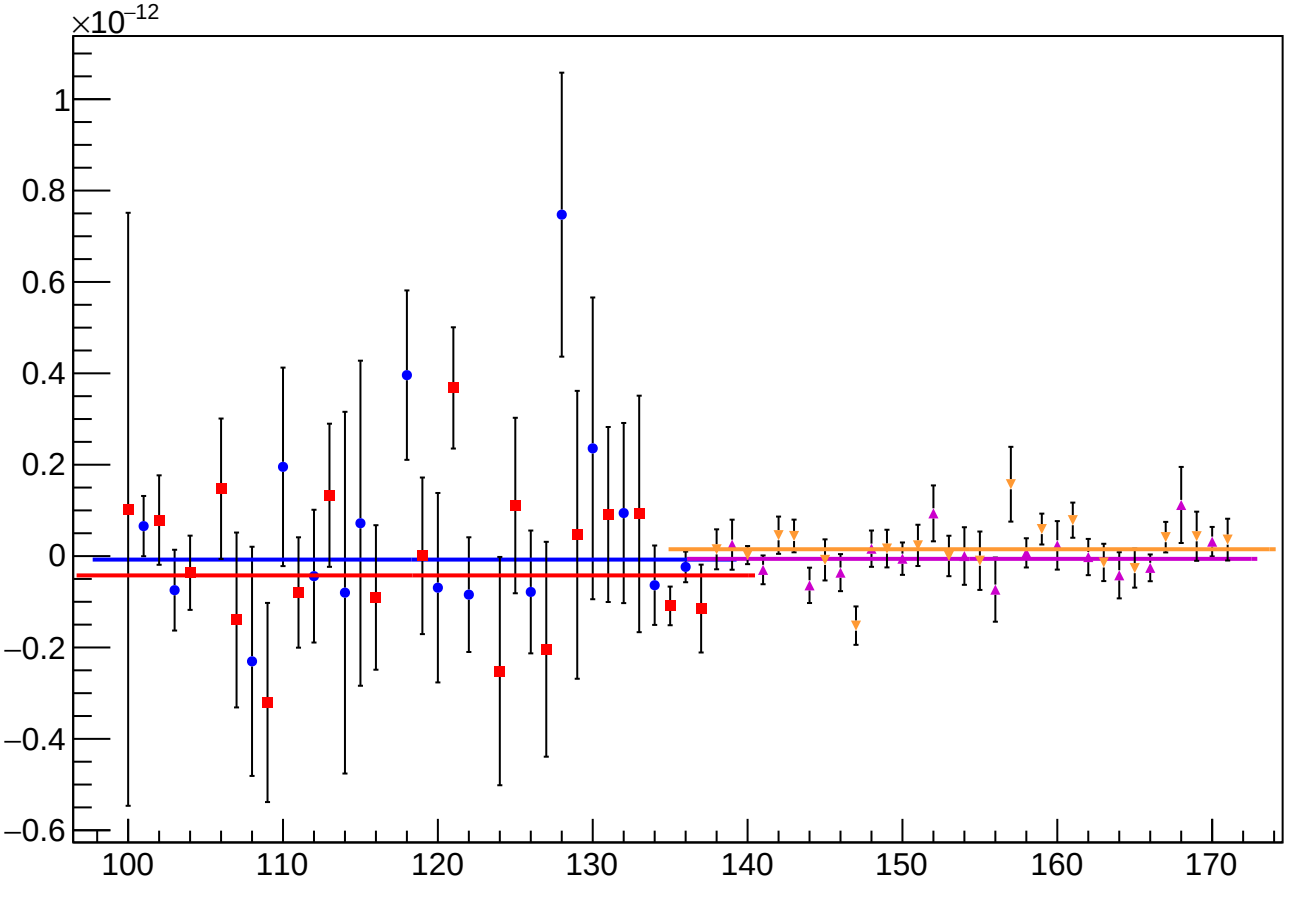
Left: 1867.917+/-0.254 χ^2/NDF: 618228.3/33

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

In: 1909.376+/-0.302 χ^2/NDF:828189.7/31

Out: 1932.370+/-0.296 χ^2/NDF:556749.2/36

All: 1921.124+/-0.211 χ^2/NDF: 1387898.5/68



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:12.4/15

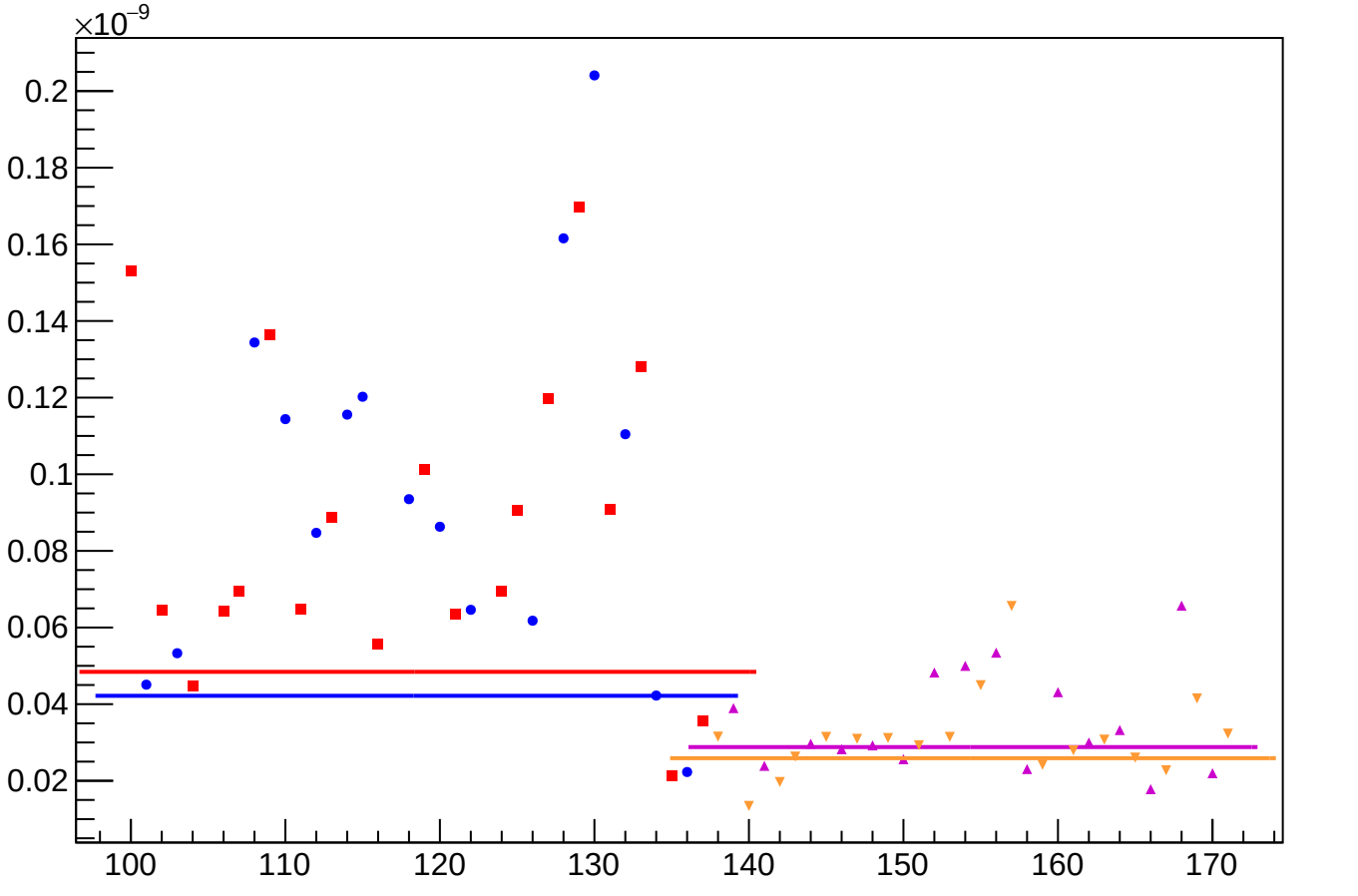
Left: 0.000+/-0.000 χ^2/NDF: 42.8/33

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

In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: 0.000+/-0.000 χ^2/NDF:53.9/36

All: 0.000+/-0.000 χ^2/NDF: 84.2/68



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:1800289.0/15

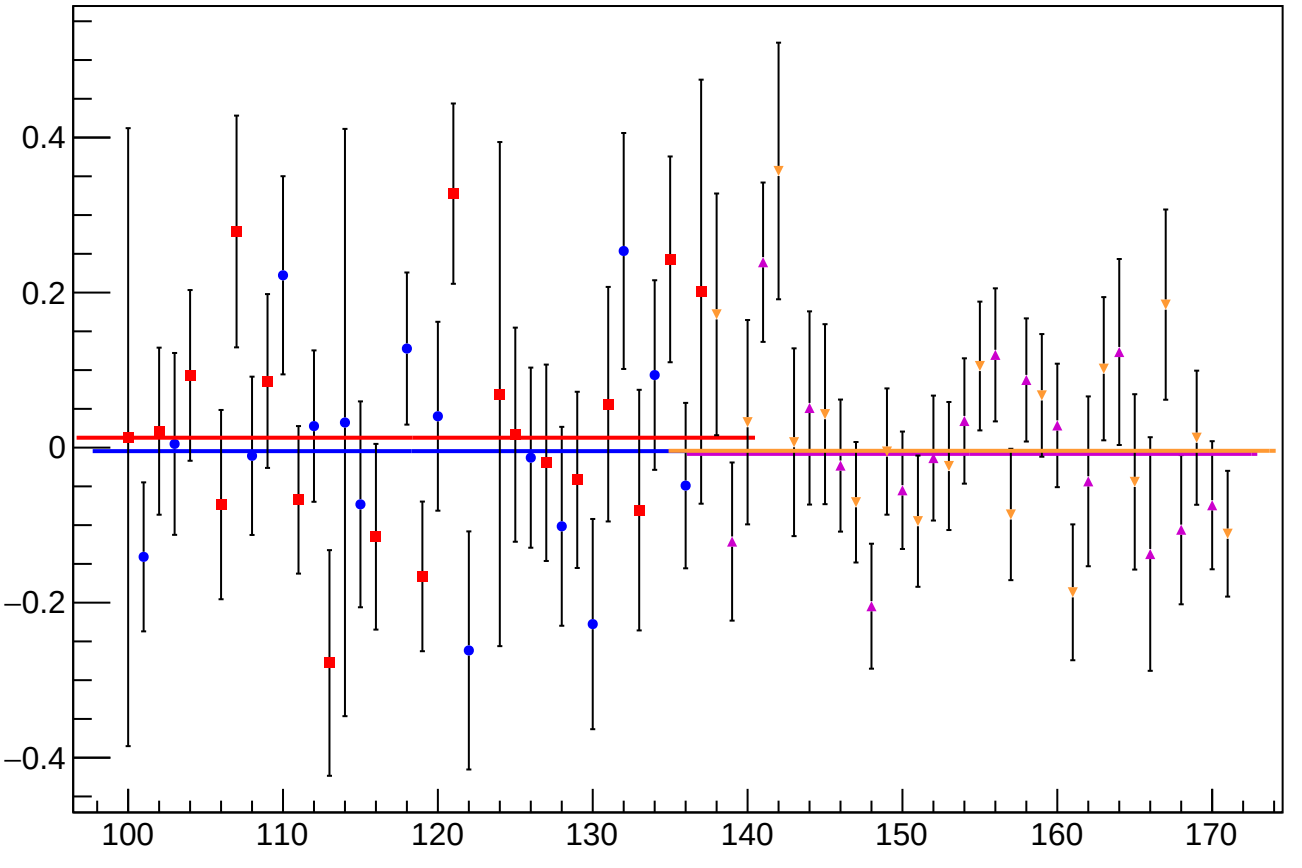
Left: 0.000+/-0.000 χ^2/NDF: 3808389.7/33

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

In: 0.000+/-0.000 χ^2/NDF:5248234.6/31

Out: 0.000+/-0.000 χ^2/NDF:5772366.1/36

All: 0.000+/-0.000 χ^2/NDF: 11103759.4/68



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: -0.008+/-0.023 χ^2/NDF:21.5/15

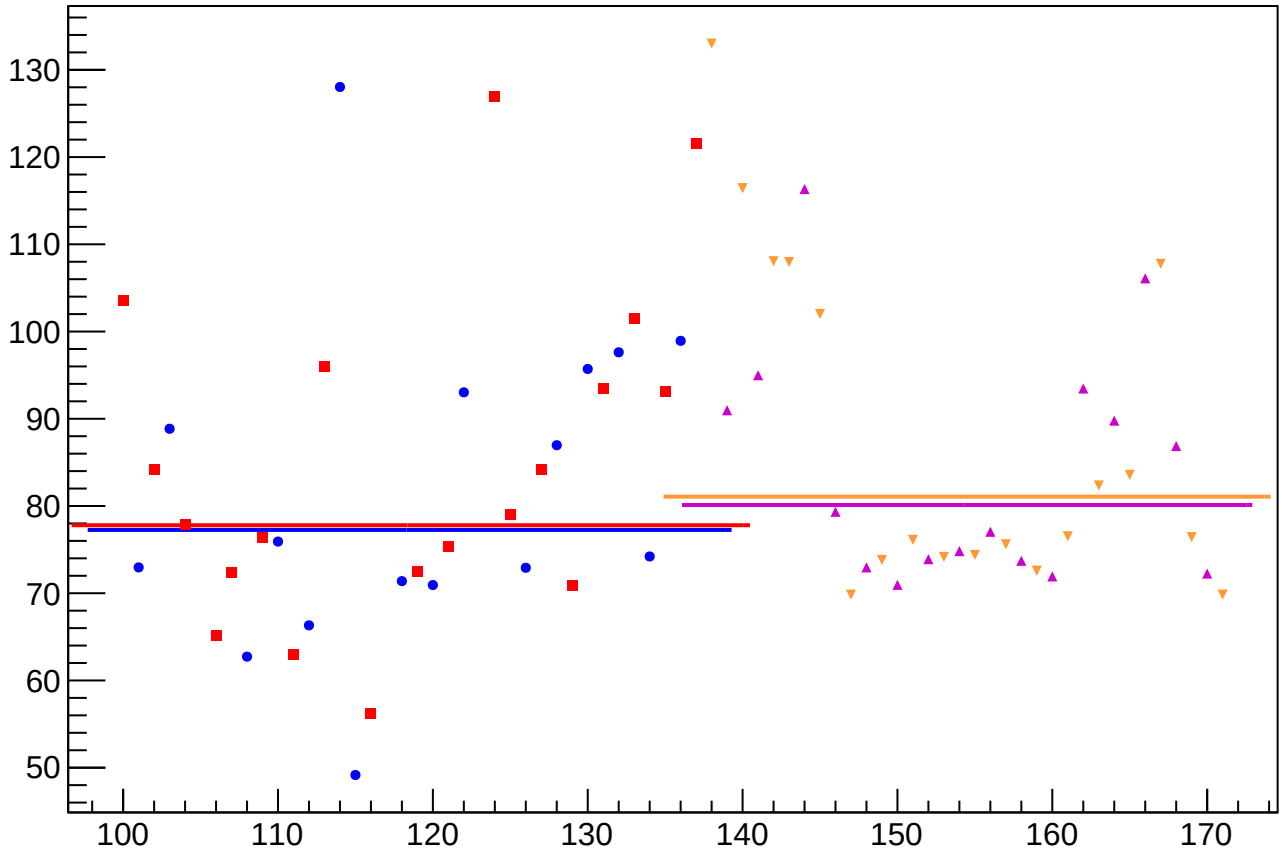
Left: -0.006+/-0.016 χ^2/NDF: 43.1/33

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.007+/-0.018 χ^2/NDF:38.8/31

Out: 0.002+/-0.018 χ^2/NDF:47.3/36

All: -0.002+/-0.013 χ^2/NDF: 86.2/68



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: 80.116+/-0.016 χ^2/NDF:465884.9/15

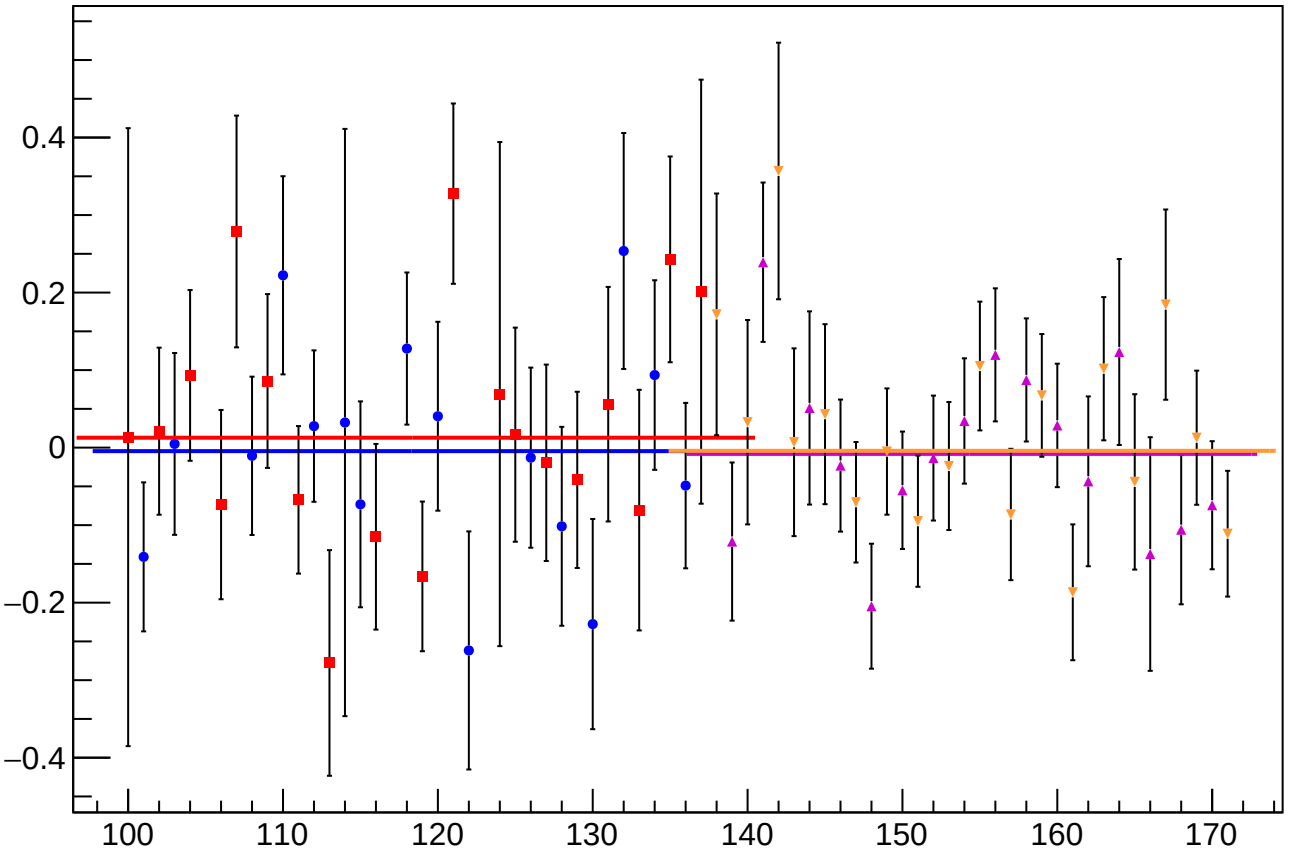
Left: 80.602+/-0.011 χ^2/NDF: 1318861.6/33

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

In: 79.075+/-0.013 χ^2/NDF:896671.2/31

Out: 79.888+/-0.013 χ^2/NDF:1263169.3/36

All: 79.488+/-0.009 χ^2/NDF: 2161879.7/68



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: -0.008+/-0.023 χ^2/NDF:21.5/15

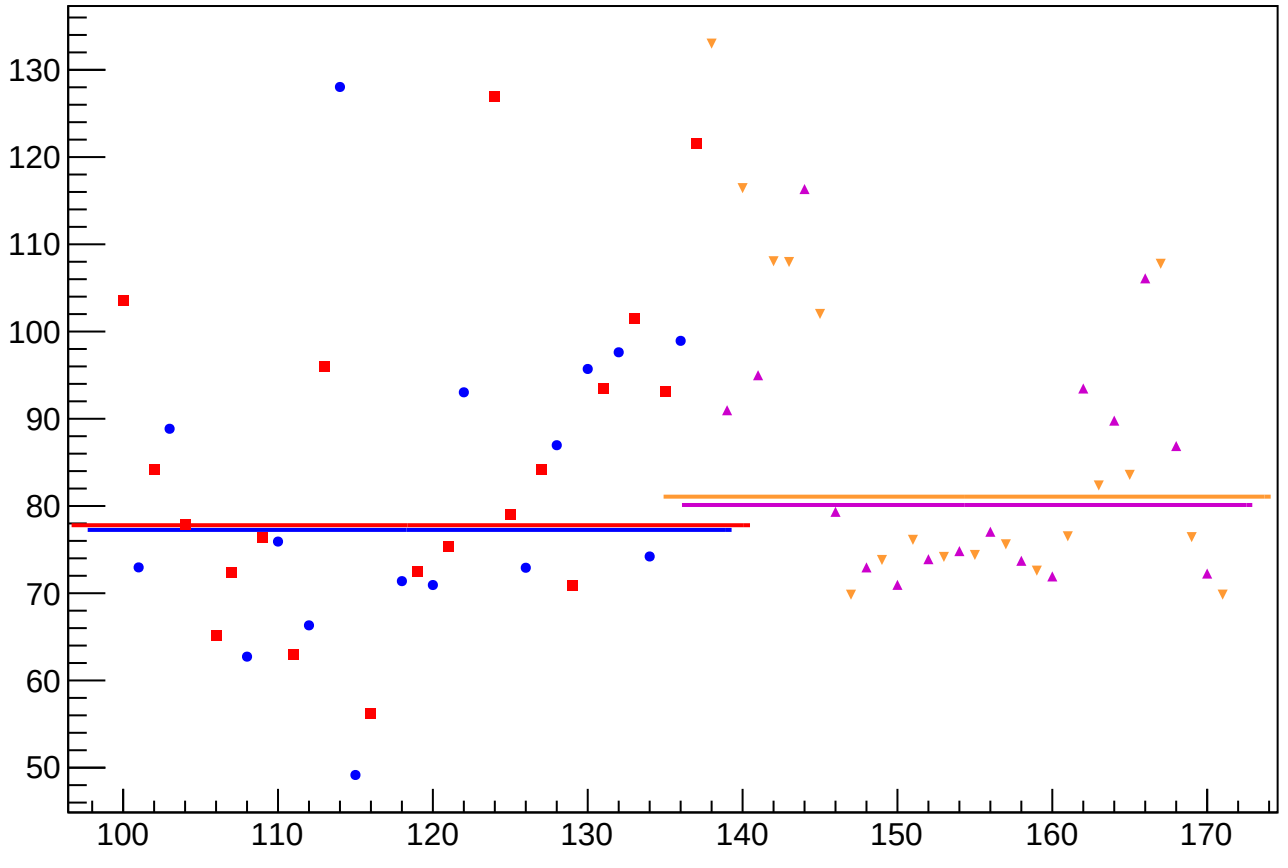
Left: -0.006+/-0.016 χ^2/NDF: 43.1/33

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.007+/-0.018 χ^2/NDF:38.8/31

Out: 0.002+/-0.018 χ^2/NDF:47.3/36

All: -0.002+/-0.013 χ^2/NDF: 86.2/68



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: 80.116+/-0.016 χ^2/NDF:465884.9/15

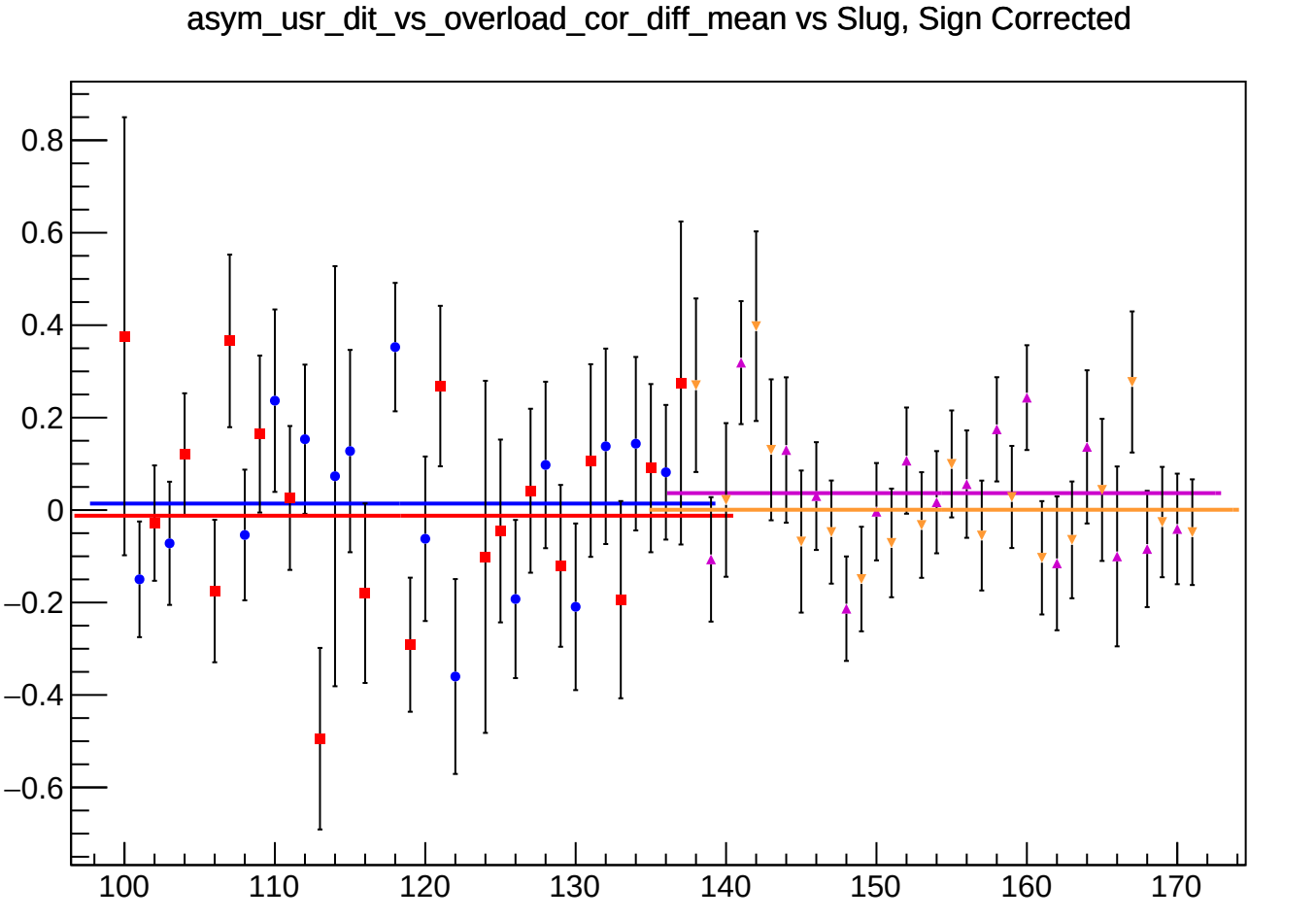
Left: 80.602+/-0.011 χ^2/NDF: 1318861.6/33

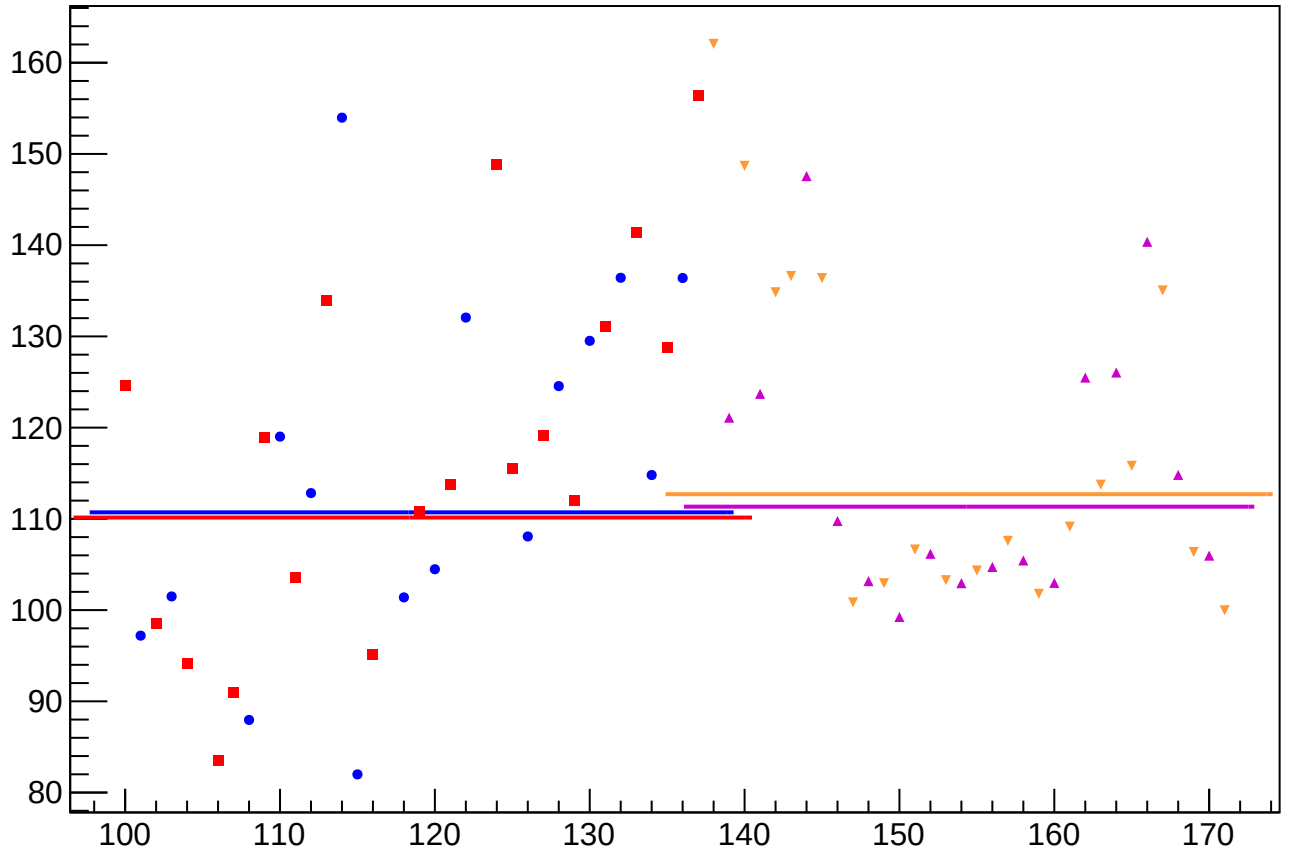
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 79.075+/-0.013 χ^2/NDF:896671.2/31

Out: 79.888+/-0.013 χ^2/NDF:1263169.3/36

All: 79.488+/-0.009 χ^2/NDF: 2161879.7/68


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: 0.001+/-0.031 χ²/NDF:14.7/17
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.037+/-0.031 χ²/NDF:19.6/15
Left: 0.018+/-0.022 χ²/NDF: 35.0/33
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.029+/-0.025 χ²/NDF:38.0/31
Out: -0.004+/-0.025 χ²/NDF:38.6/36
All: 0.012+/-0.018 χ²/NDF: 77.4/68



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: 111.336+/-0.022 χ^2/NDF:294452.0/15

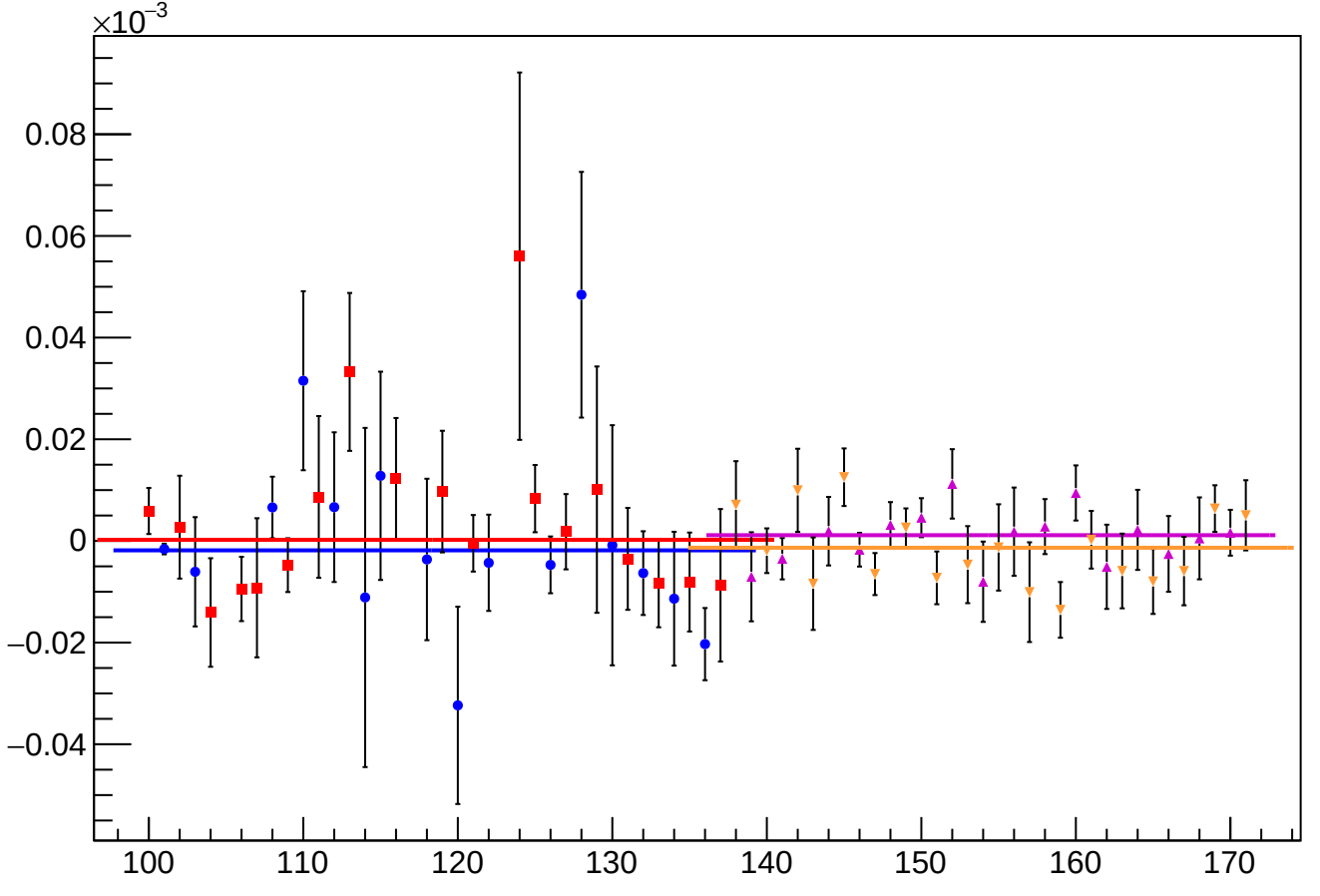
Left: 112.035+/-0.015 χ^2/NDF: 814608.5/33

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

In: 111.117+/-0.018 χ^2/NDF:594704.8/31

Out: 111.799+/-0.017 χ^2/NDF:849883.7/36

All: 111.465+/-0.012 χ^2/NDF: 1445342.8/68



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:10.8/15

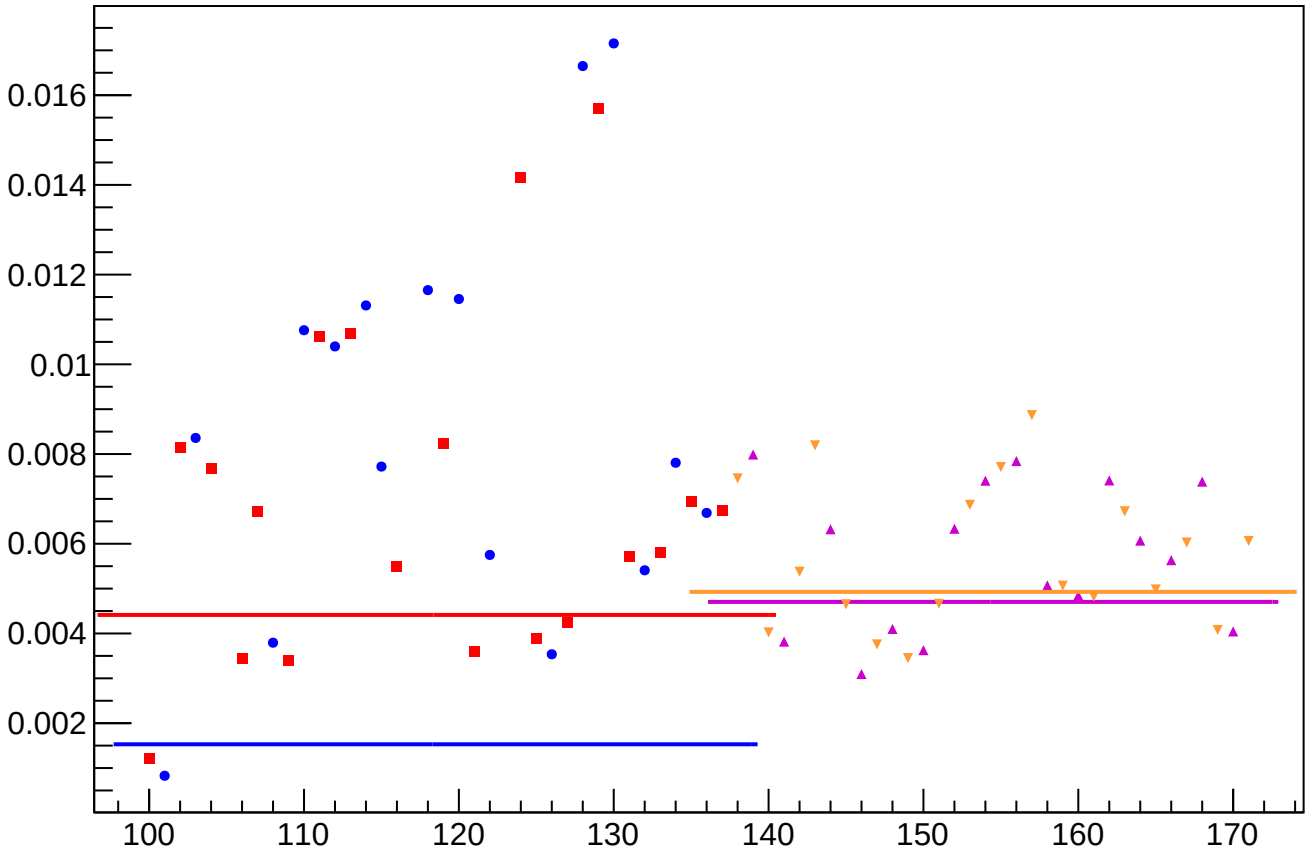
Left: -0.000+/-0.000 χ^2/NDF: 37.5/33

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

In: -0.000+/-0.000 χ^2/NDF:35.3/31

Out: -0.000+/-0.000 χ^2/NDF:45.4/36

All: -0.000+/-0.000 χ^2/NDF: 80.7/68



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:2345162.8/15

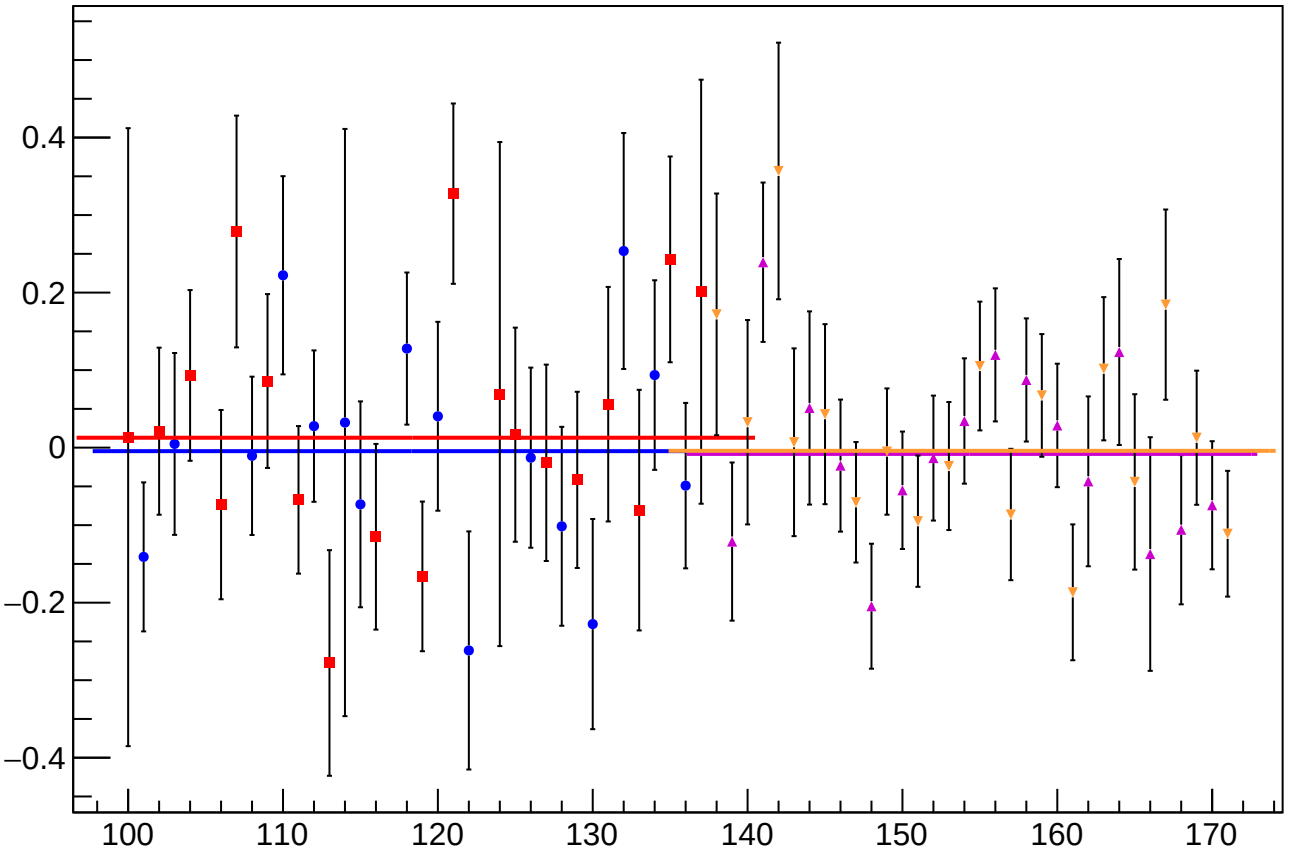
Left: 0.005+/-0.000 χ^2/NDF: 4337046.9/33

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

In: 0.003+/-0.000 χ^2/NDF:18737538.2/31

Out: 0.005+/-0.000 χ^2/NDF:5447664.4/36

All: 0.003+/-0.000 χ^2/NDF: 29128565.6/68



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: -0.008+/-0.023 χ^2/NDF:21.5/15

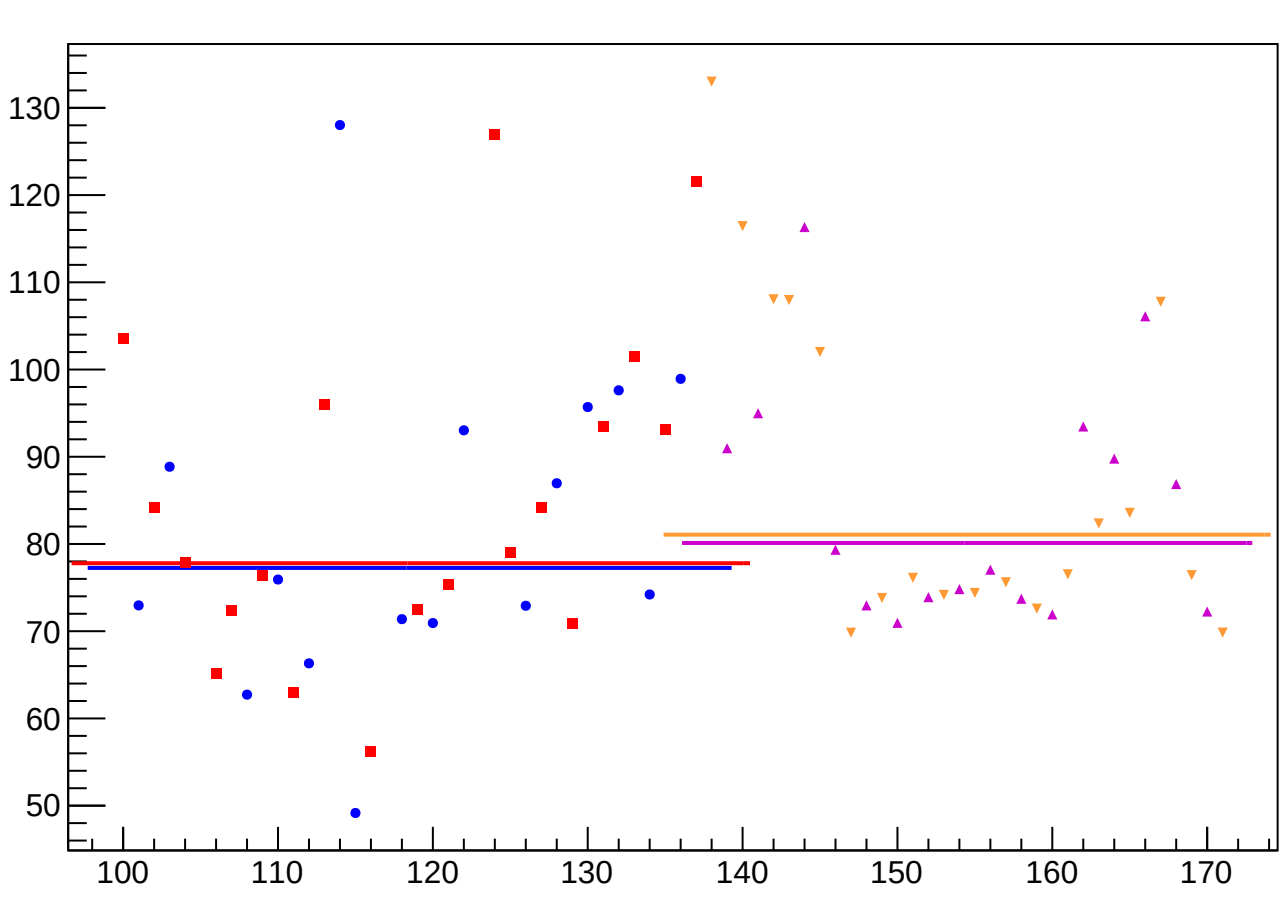
Left: -0.006+/-0.016 χ^2/NDF: 43.1/33

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.007+/-0.018 χ^2/NDF:38.8/31

Out: 0.002+/-0.018 χ^2/NDF:47.3/36

All: -0.002+/-0.013 χ^2/NDF: 86.2/68



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: 80.117+/-0.016 χ^2/NDF:465894.0/15

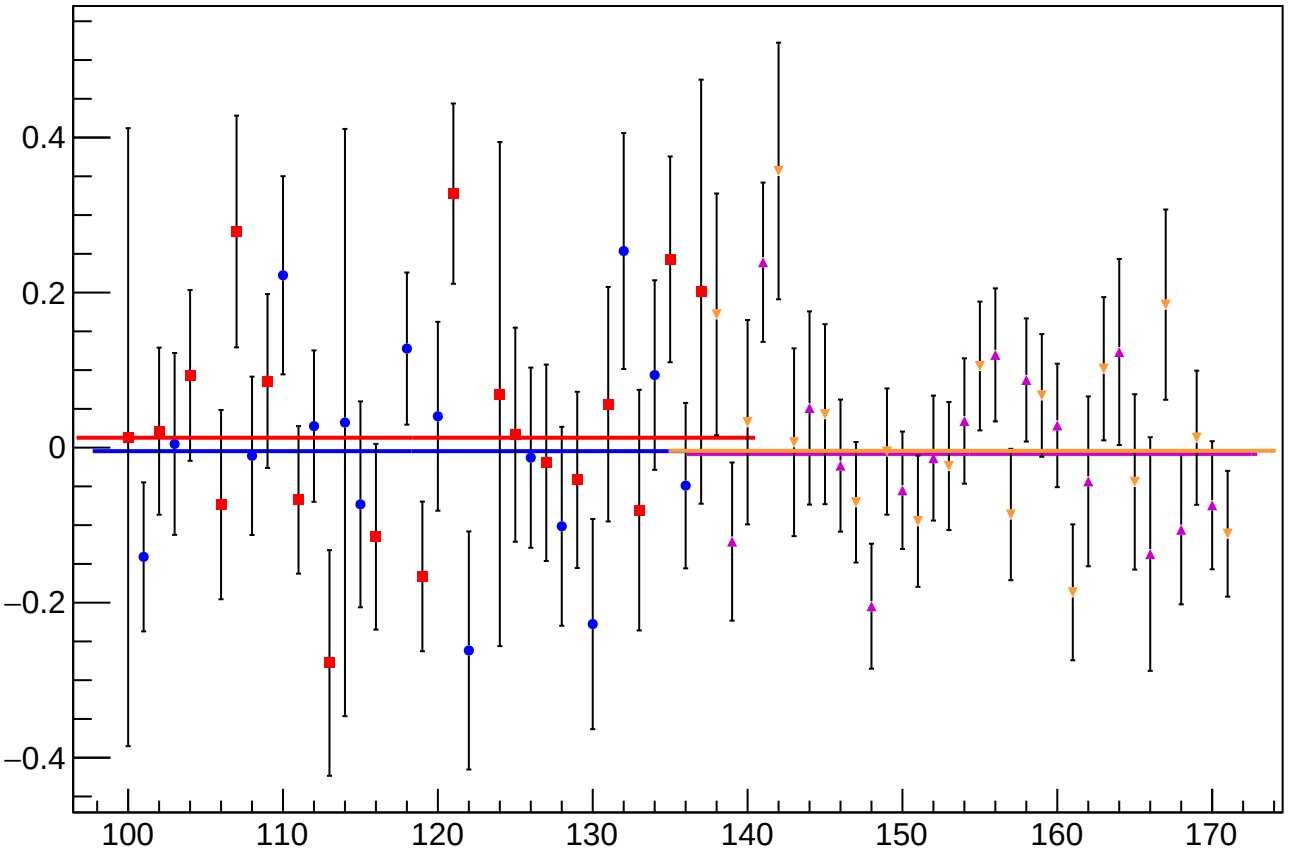
Left: 80.603+/-0.011 χ^2/NDF: 1318875.1/33

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

In: 79.075+/-0.013 χ^2/NDF:896683.0/31

Out: 79.888+/-0.013 χ^2/NDF:1263190.4/36

All: 79.487+/-0.009 χ^2/NDF: 2161912.9/68



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: -0.008+/-0.023 χ^2/NDF:21.5/15

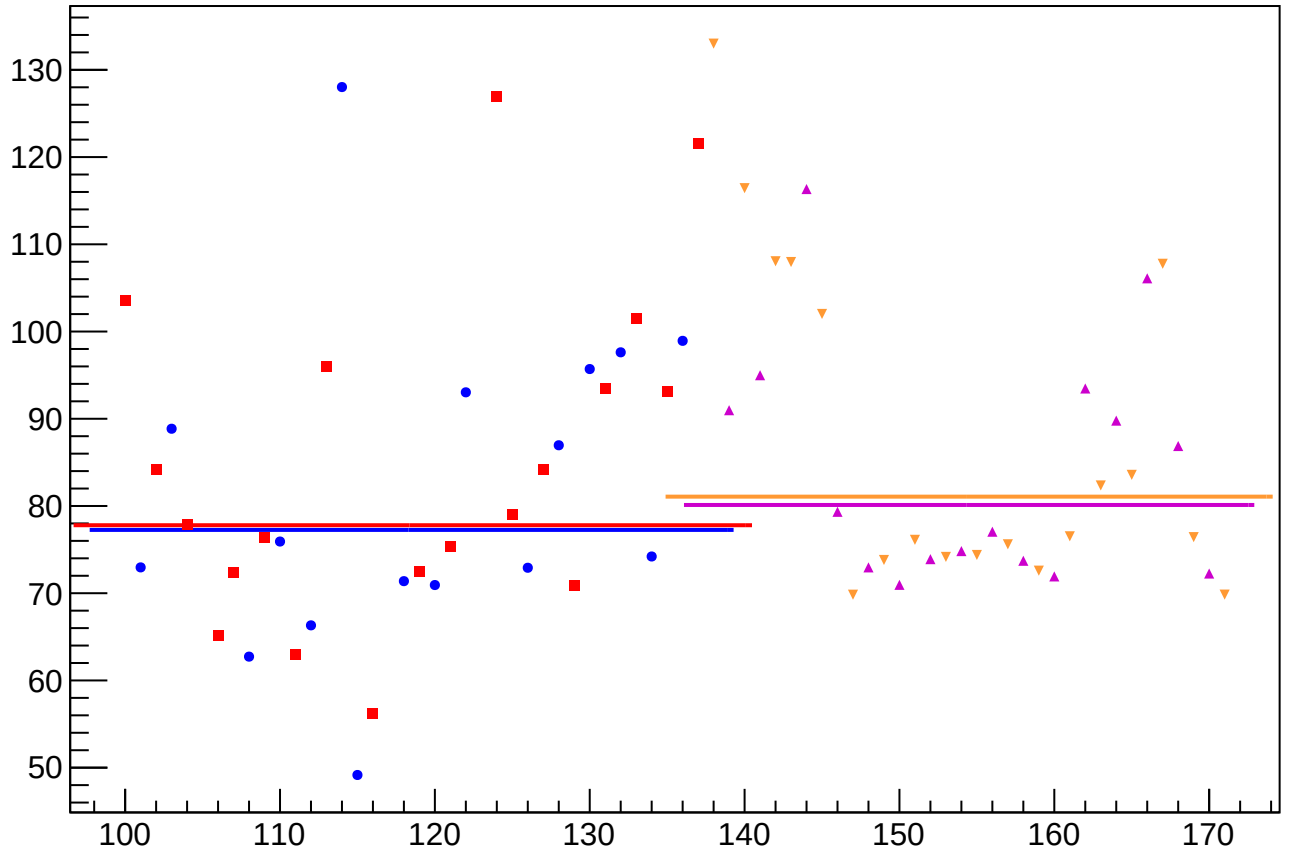
Left: -0.006+/-0.016 χ^2/NDF: 43.1/33

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.007+/-0.018 χ^2/NDF:38.8/31

Out: 0.002+/-0.018 χ^2/NDF:47.3/36

All: -0.002+/-0.013 χ^2/NDF: 86.2/68



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: 80.117+/-0.016 χ^2/NDF:465894.0/15

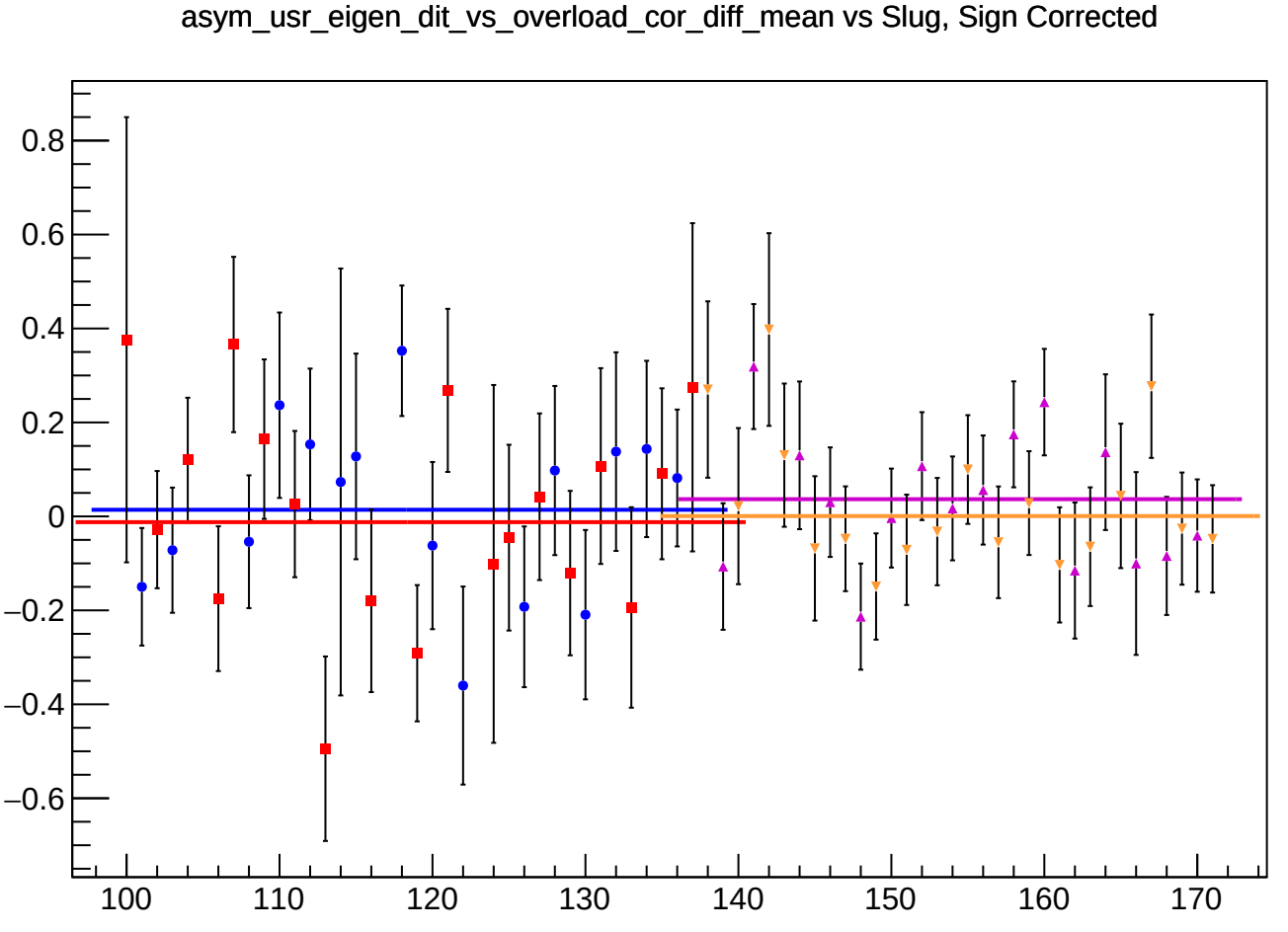
Left: 80.603+/-0.011 χ^2/NDF: 1318875.1/33

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

In: 79.075+/-0.013 χ^2/NDF:896683.0/31

Out: 79.888+/-0.013 χ^2/NDF:1263190.4/36

All: 79.487+/-0.009 χ^2/NDF: 2161912.9/68



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: 0.037+/-0.031 χ^2/NDF:19.6/15

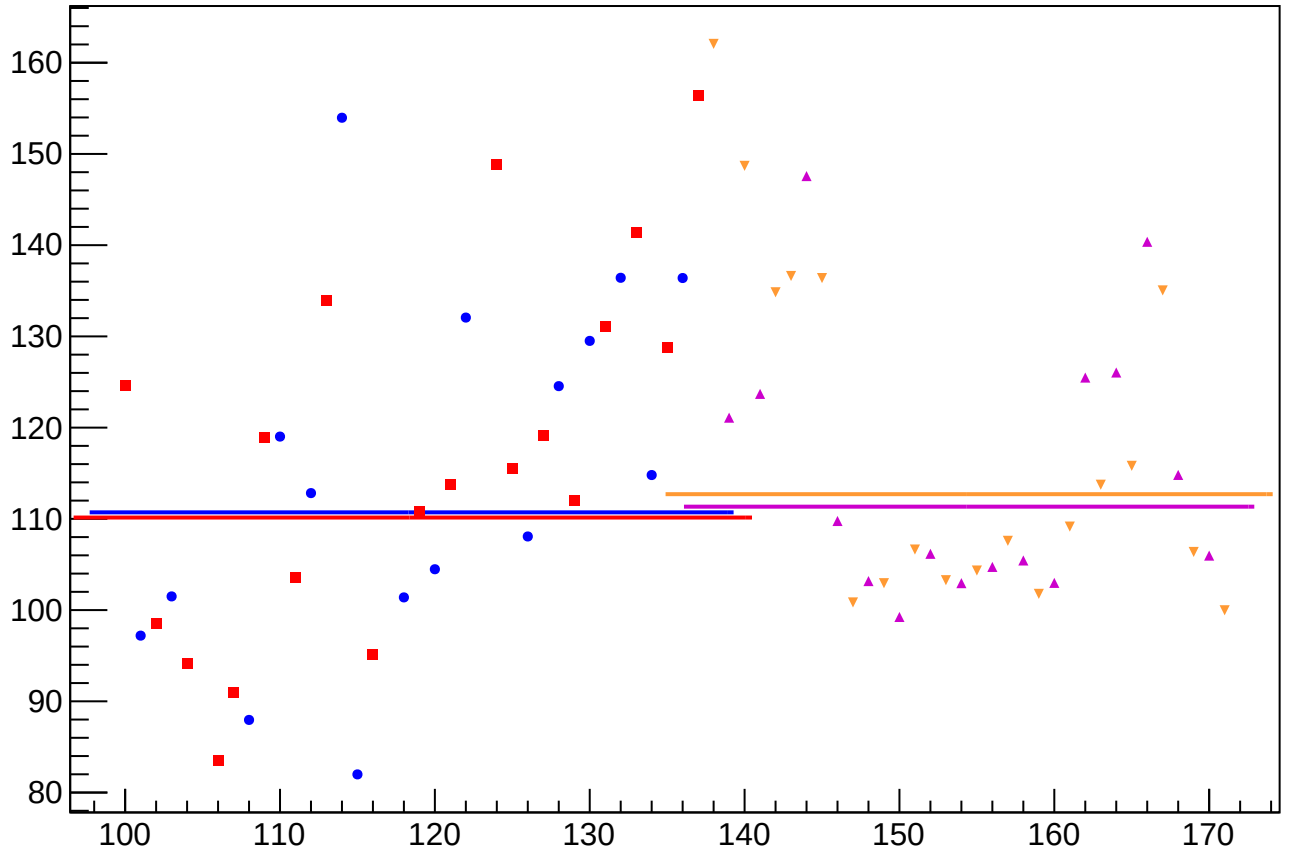
Left: 0.018+/-0.022 χ^2/NDF: 35.0/33

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.029+/-0.025 χ^2/NDF:38.0/31

Out: -0.004+/-0.025 χ^2/NDF:38.6/36

All: 0.012+/-0.018 χ^2/NDF: 77.4/68



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: 111.336+/-0.022 χ^2/NDF:294457.0/15

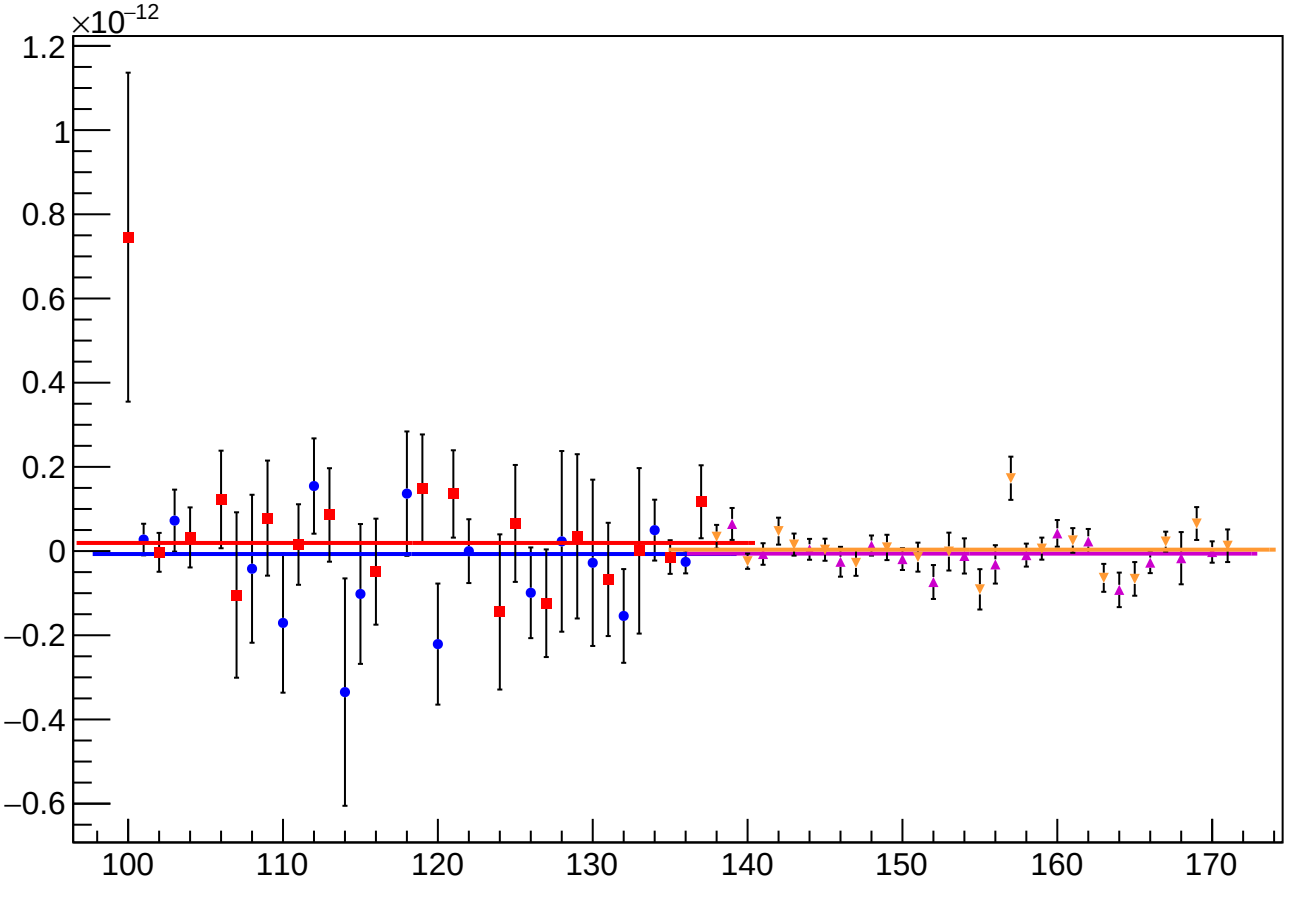
Left: 112.035+/-0.015 χ^2/NDF: 814614.8/33

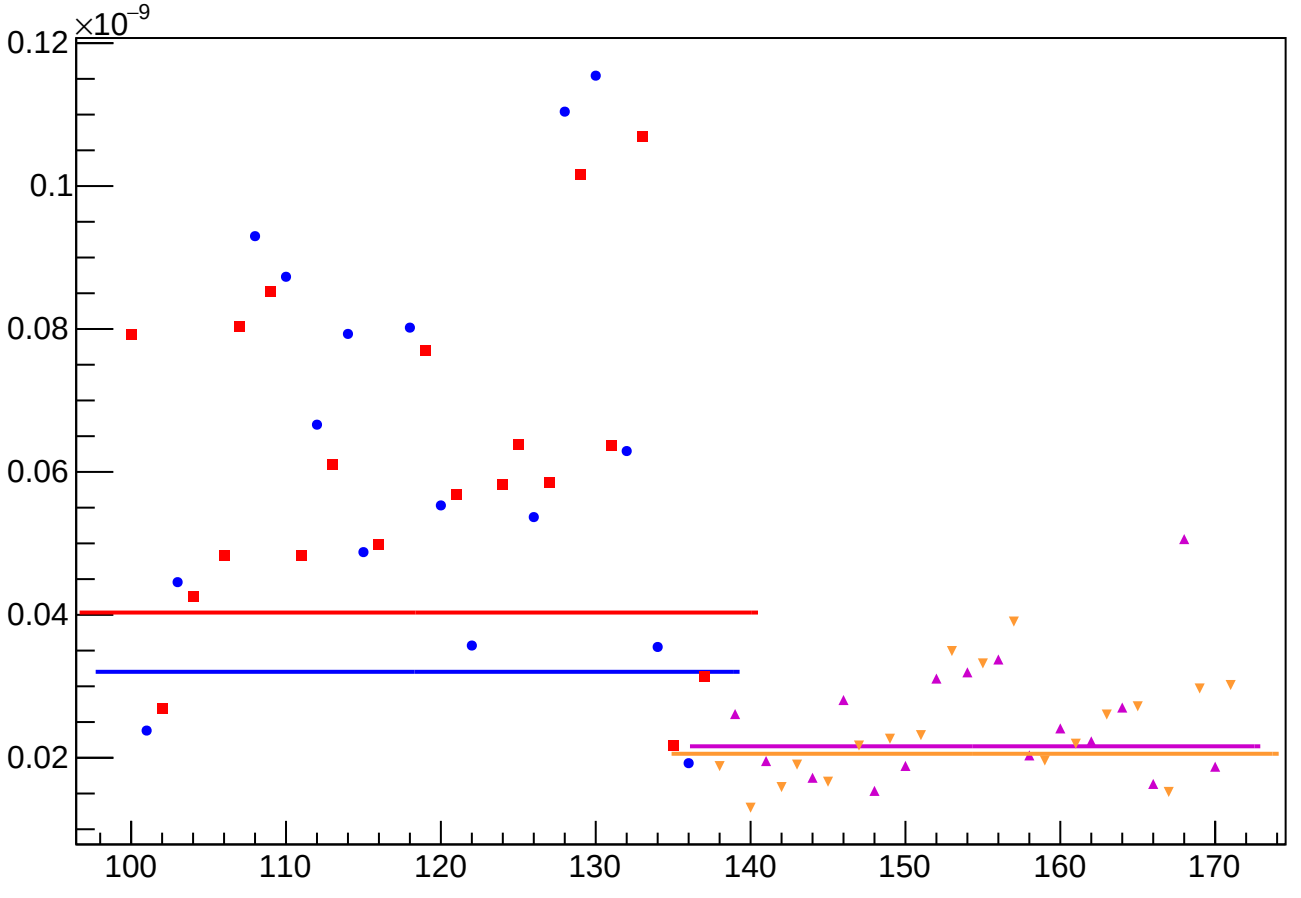
Right: 110.422+/-0.021 χ^2/NDF: 626830.6/34

In: 111.117+/-0.018 χ^2/NDF:594686.2/31

Out: 111.799+/-0.017 χ^2/NDF:849859.6/36

All: 111.465+/-0.012 χ^2/NDF: 1445300.5/68


asym_usr_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.6/15
Left Out: 0.000+/-0.000 χ²/NDF:32.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/18
Left In: -0.000+/-0.000 χ²/NDF:16.4/15
Left: -0.000+/-0.000 χ²/NDF: 49.9/33
Right: 0.000+/-0.000 χ²/NDF: 27.1/34
In: -0.000+/-0.000 χ²/NDF:30.1/31
Out: 0.000+/-0.000 χ²/NDF:45.7/36
All: -0.000+/-0.000 χ²/NDF: 77.1/68



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:1309751.0/15

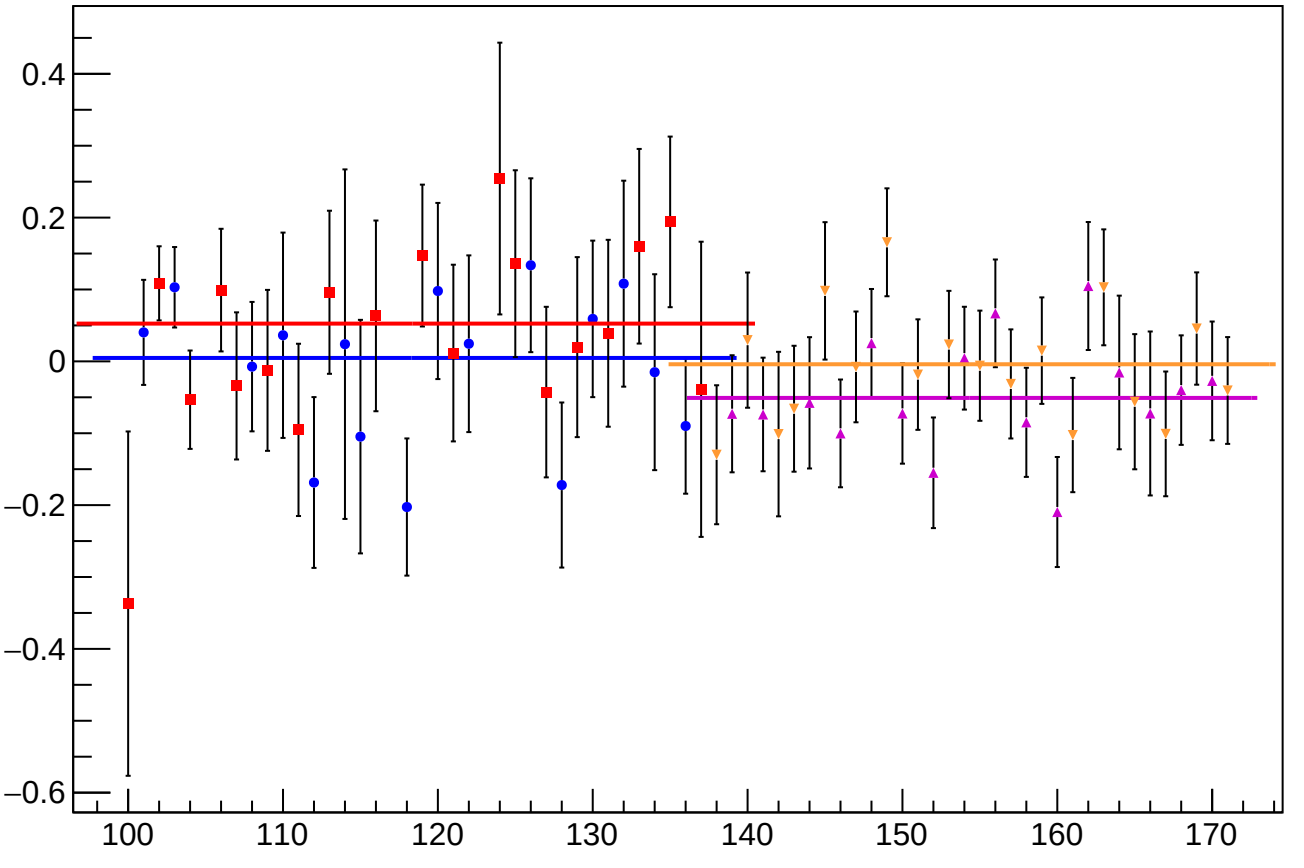
Left: 0.000+/-0.000 χ^2/NDF: 2857495.4/33

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

In: 0.000+/-0.000 χ^2/NDF:4341309.8/31

Out: 0.000+/-0.000 χ^2/NDF:4966782.5/36

All: 0.000+/-0.000 χ^2/NDF: 9316826.3/68



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: -0.051+/-0.020 χ^2/NDF:14.4/15

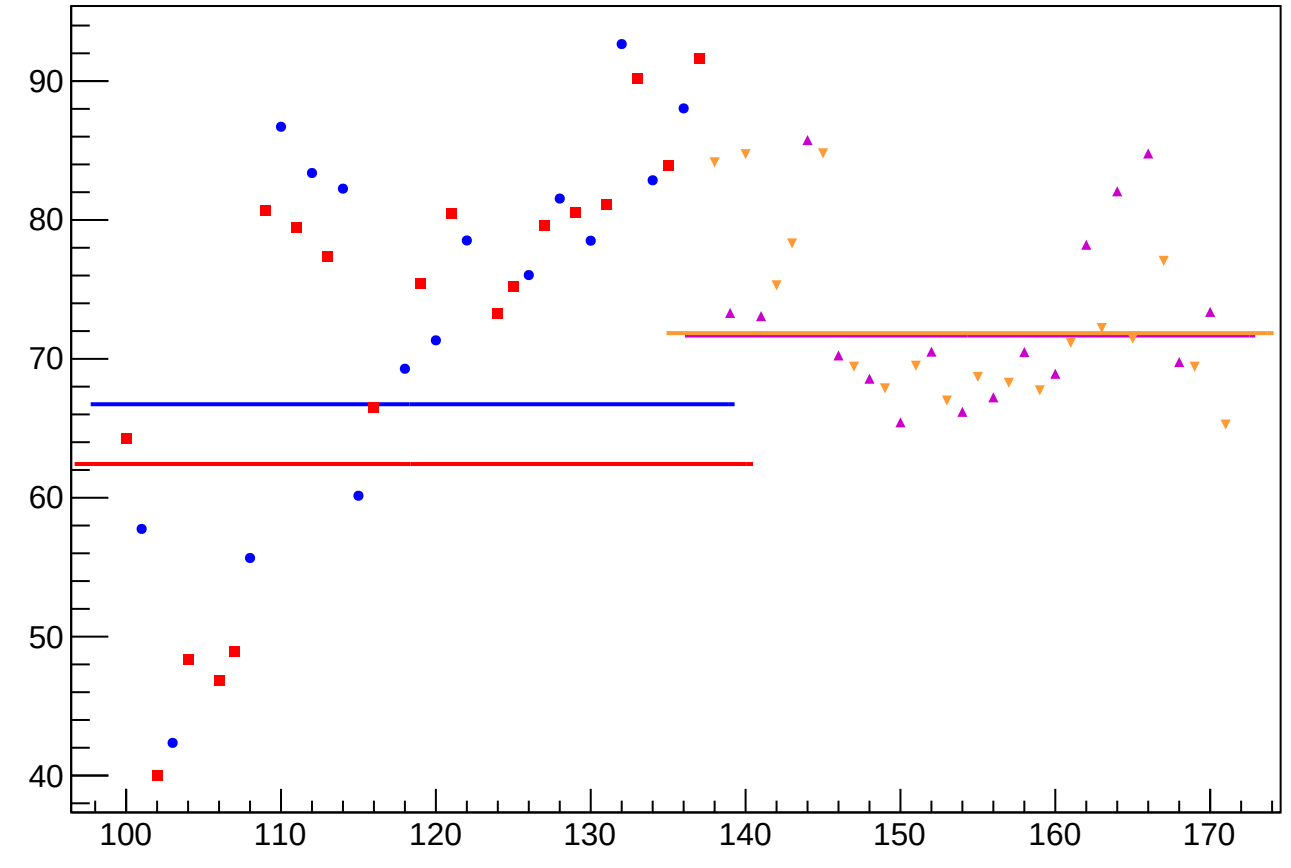
Left: -0.027+/-0.014 χ^2/NDF: 32.4/33

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.016 χ^2/NDF:33.9/31

Out: 0.018+/-0.015 χ^2/NDF:33.3/36

All: -0.005+/-0.011 χ^2/NDF: 72.1/68



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: 71.679+/-0.014 χ^2/NDF:149647.2/15

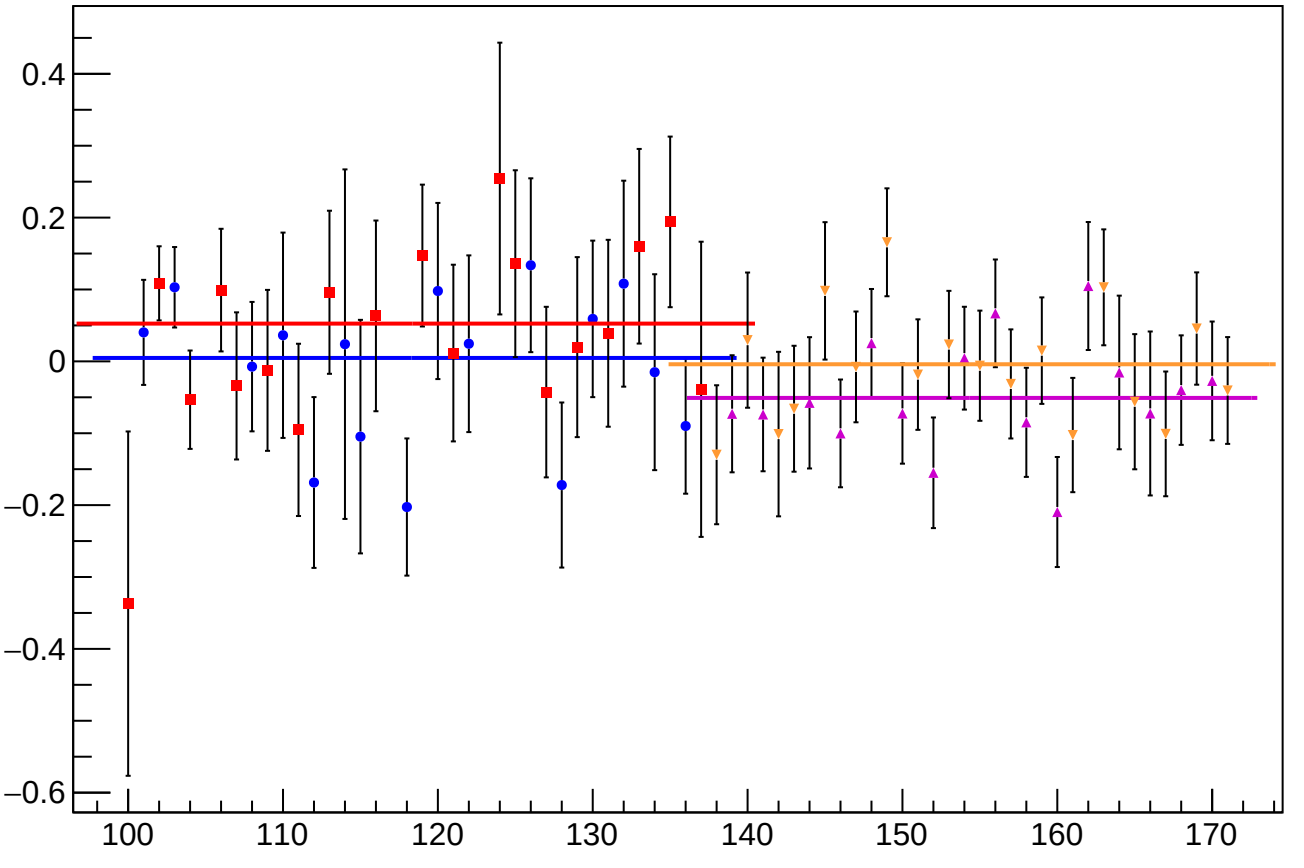
Left: 71.771+/-0.010 χ^2/NDF: 325946.7/33

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

In: 69.825+/-0.011 χ^2/NDF:1012021.4/31

Out: 68.149+/-0.011 χ^2/NDF:1476156.3/36

All: 68.946+/-0.008 χ^2/NDF: 2499890.2/68



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: -0.051+/-0.020 χ^2/NDF:14.4/15

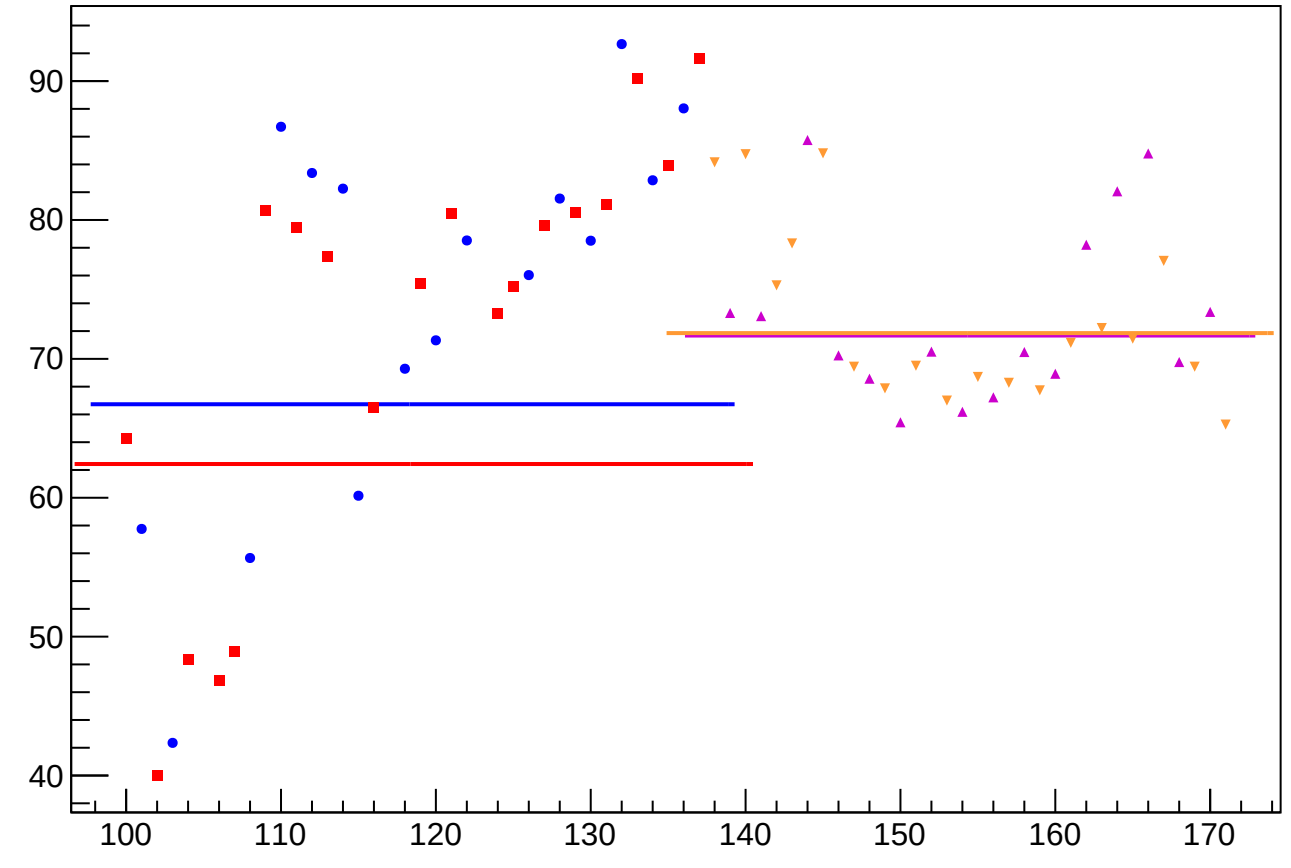
Left: -0.027+/-0.014 χ^2/NDF: 32.4/33

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.016 χ^2/NDF:33.9/31

Out: 0.018+/-0.015 χ^2/NDF:33.3/36

All: -0.005+/-0.011 χ^2/NDF: 72.1/68



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: 71.679+/-0.014 χ^2/NDF:149647.2/15

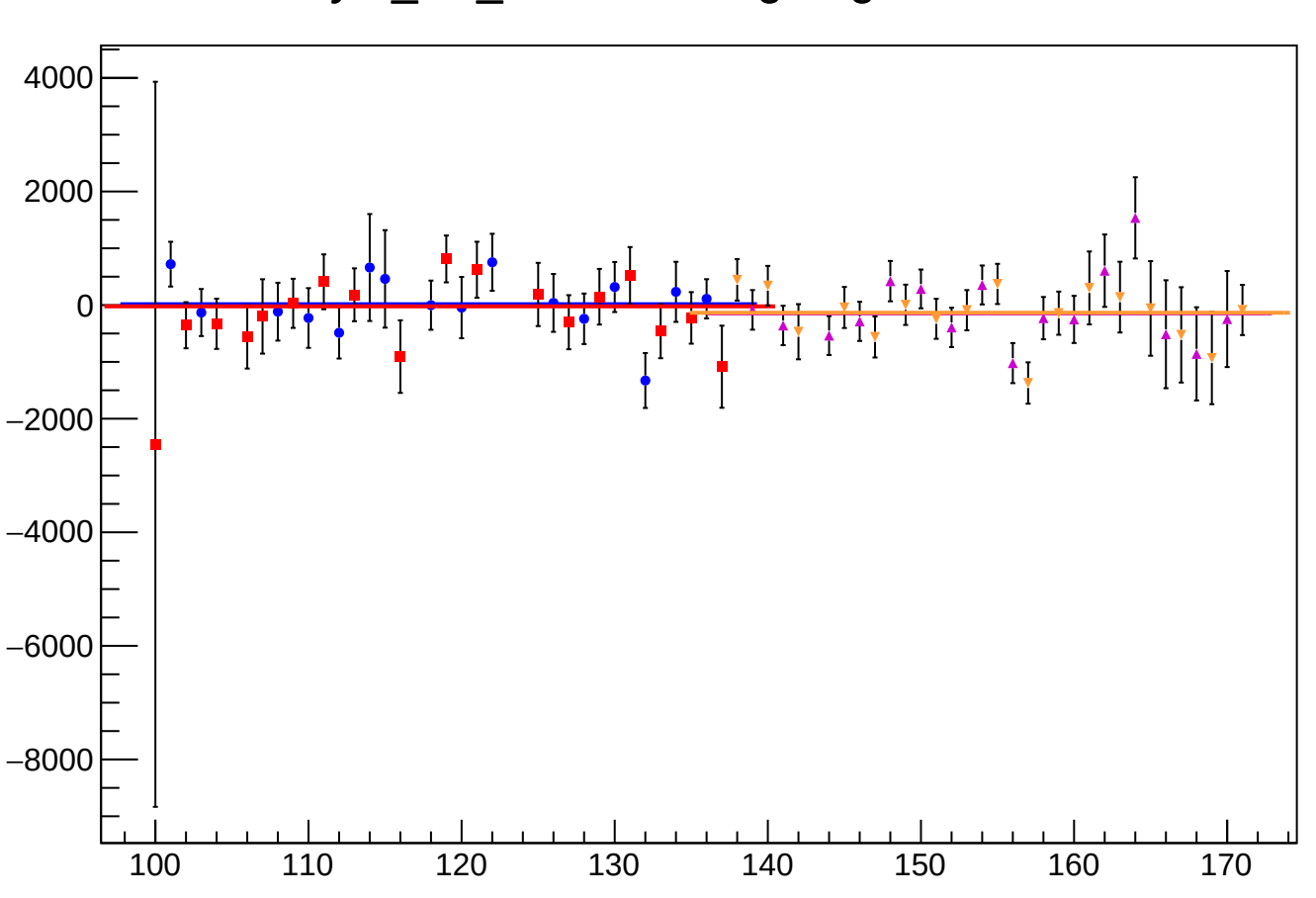
Left: 71.771+/-0.010 χ^2/NDF: 325946.7/33

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

In: 69.825+/-0.011 χ^2/NDF:1012021.4/31

Out: 68.149+/-0.011 χ^2/NDF:1476156.3/36

All: 68.946+/-0.008 χ^2/NDF: 2499890.2/68



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: -146.748+/-101.926 χ^2/NDF:22.8/15

Left: -140.938+/-72.074 χ^2/NDF: 44.8/32

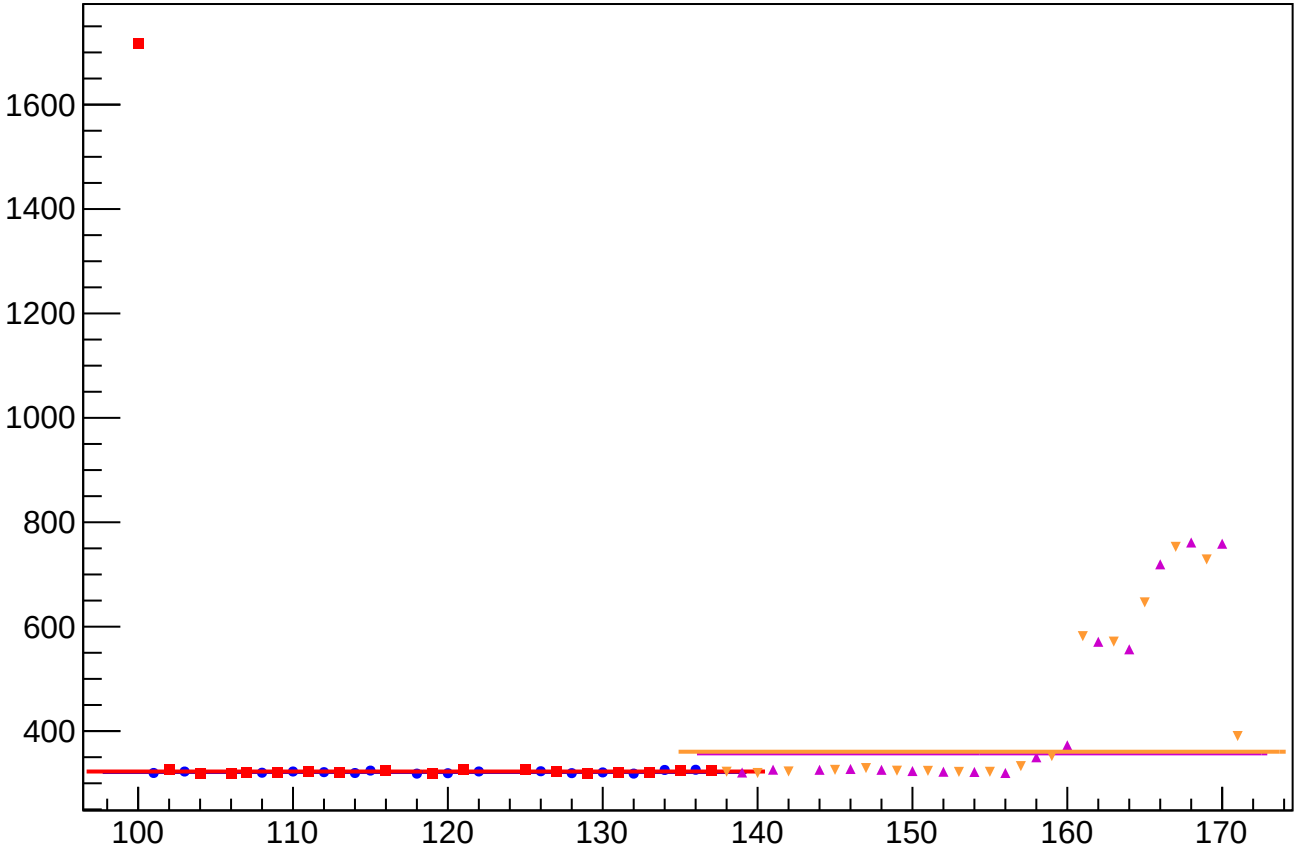
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -78.368+/-77.530 χ^2/NDF:40.4/31

Out: -87.411+/-77.472 χ^2/NDF:38.6/34

All: -82.893+/-54.802 χ^2/NDF: 78.9/66

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: 357.318+/-0.072 χ^2/NDF:1780447.6/15

Left: 358.901+/-0.051 χ^2/NDF: 3538945.0/32

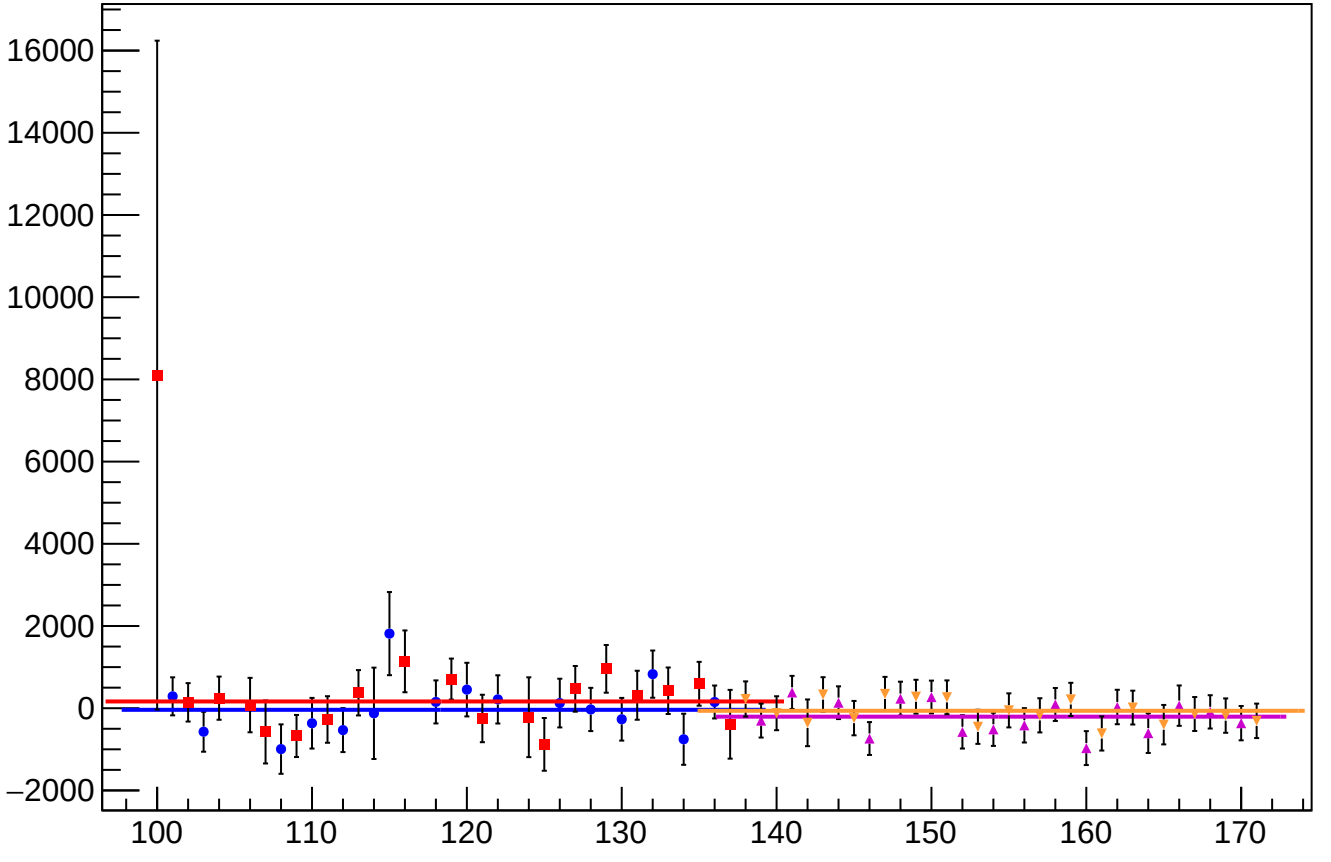
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 342.268+/-0.055 χ^2/NDF:1884750.5/31

Out: 344.465+/-0.055 χ^2/NDF:1971394.5/34

All: 343.367+/-0.039 χ^2/NDF: 3856948.3/66

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: -205.553+/-103.849 χ^2/NDF:14.4/15

Left: -131.327+/-71.994 χ^2/NDF: 23.7/33

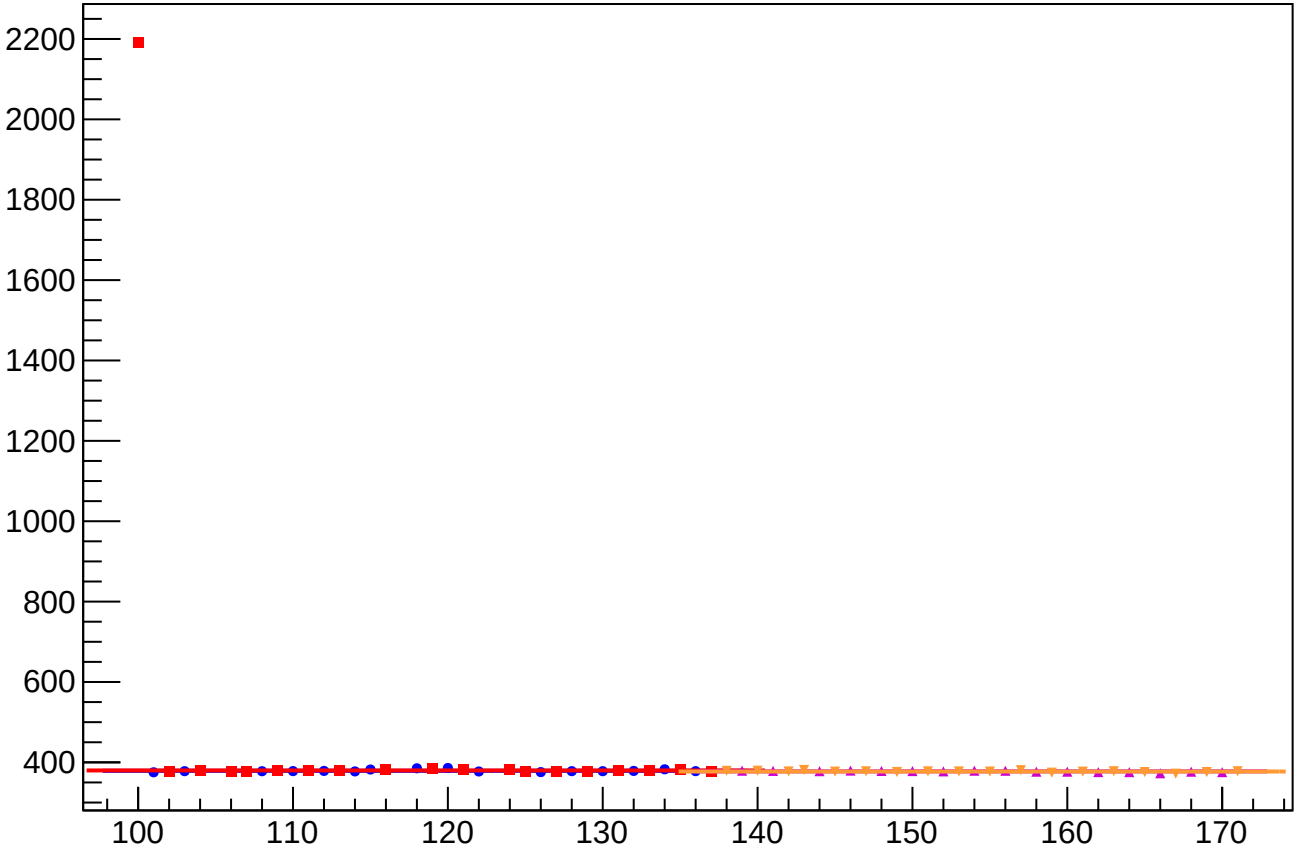
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -146.797+/-83.559 χ^2/NDF:29.1/31

Out: 14.791+/-81.112 χ^2/NDF:25.1/36

All: -63.603+/-58.201 χ^2/NDF: 56.1/68

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: 377.594+/-0.073 χ^2/NDF:503.5/15

Left: 377.398+/-0.051 χ^2/NDF: 1399.2/33

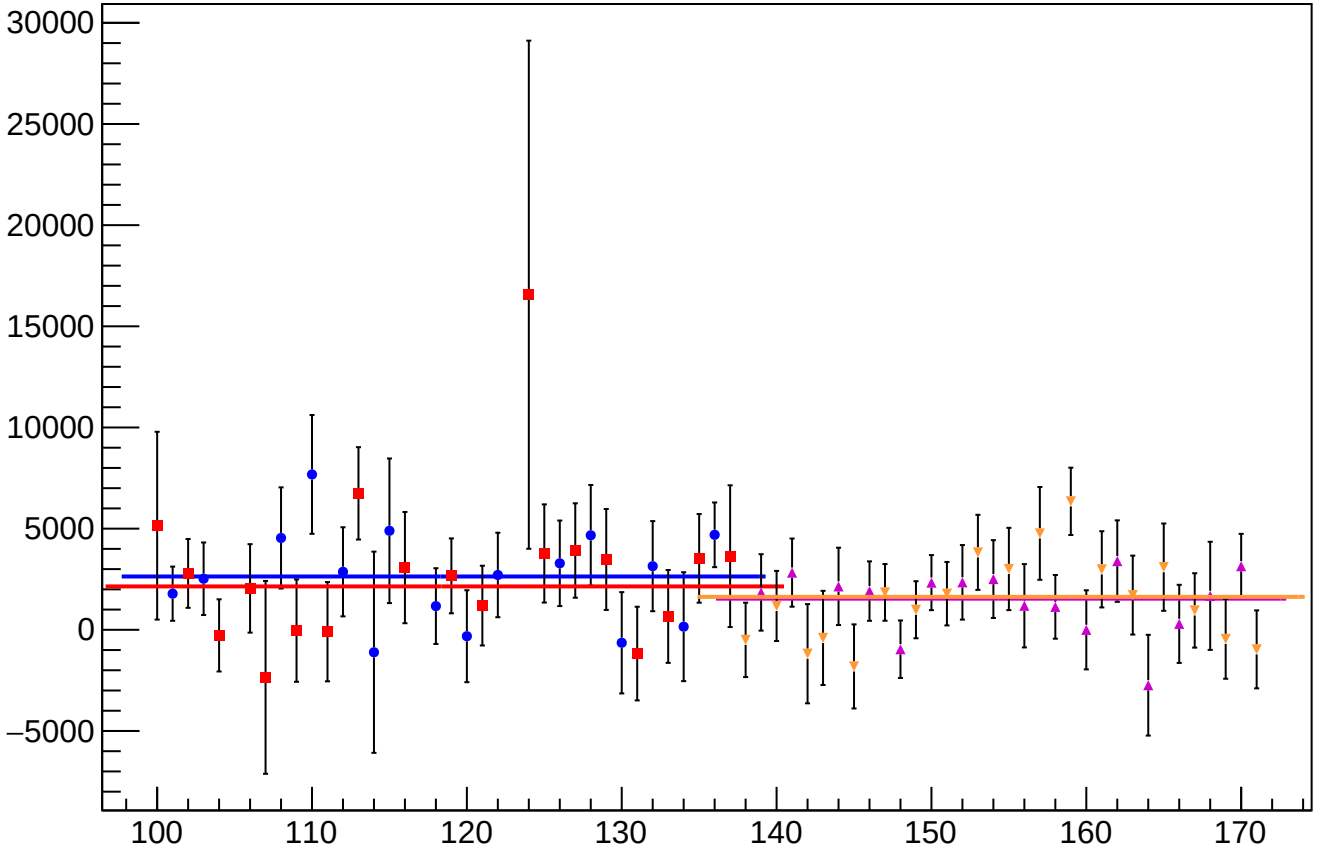
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 378.058+/-0.059 χ^2/NDF:1468.0/31

Out: 378.123+/-0.057 χ^2/NDF:100987.0/36

All: 378.092+/-0.041 χ^2/NDF: 102455.6/68

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1628.937+/-434.480 χ^2/NDF:22.3/17

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1539.645+/-443.786 χ^2/NDF:10.6/15

Left: 1585.237+/-310.462 χ^2/NDF: 32.9/33

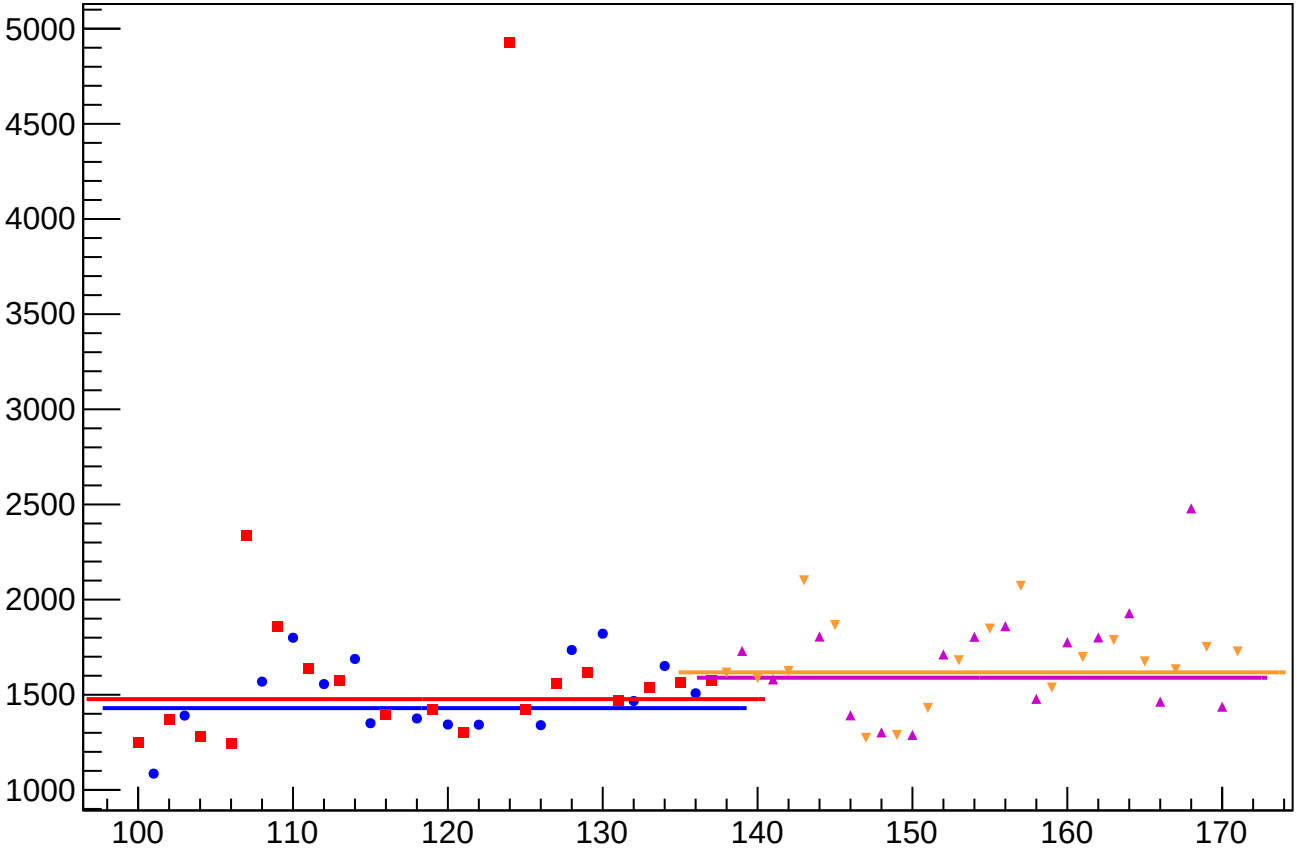
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 1983.297+/-342.354 χ^2/NDF:25.3/31

Out: 1828.422+/-340.207 χ^2/NDF:37.9/36

All: 1905.373+/-241.318 χ^2/NDF: 63.3/68

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: 1589.528+/-0.314 χ^2/NDF:656227.3/15

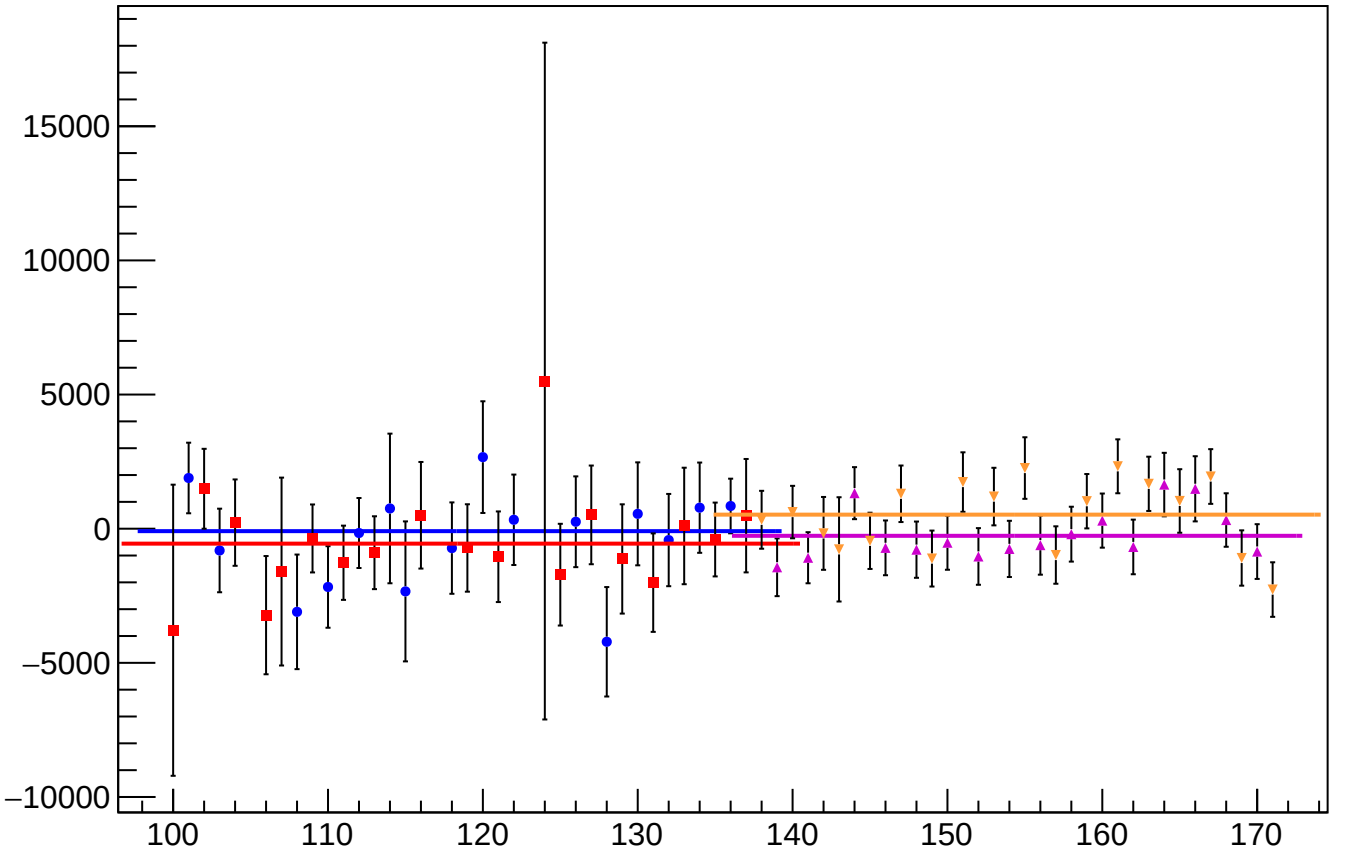
Left: 1603.902+/-0.220 χ^2/NDF: 1181253.8/33

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

In: 1524.798+/-0.242 χ^2/NDF:1054708.0/31

Out: 1563.303+/-0.241 χ^2/NDF:971322.6/36

All: 1544.171+/-0.171 χ^2/NDF: 2038760.1/68



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: -265.116+/-260.140 χ^2/NDF:11.8/15

Left: 136.120+/-182.384 χ^2/NDF: 43.9/33

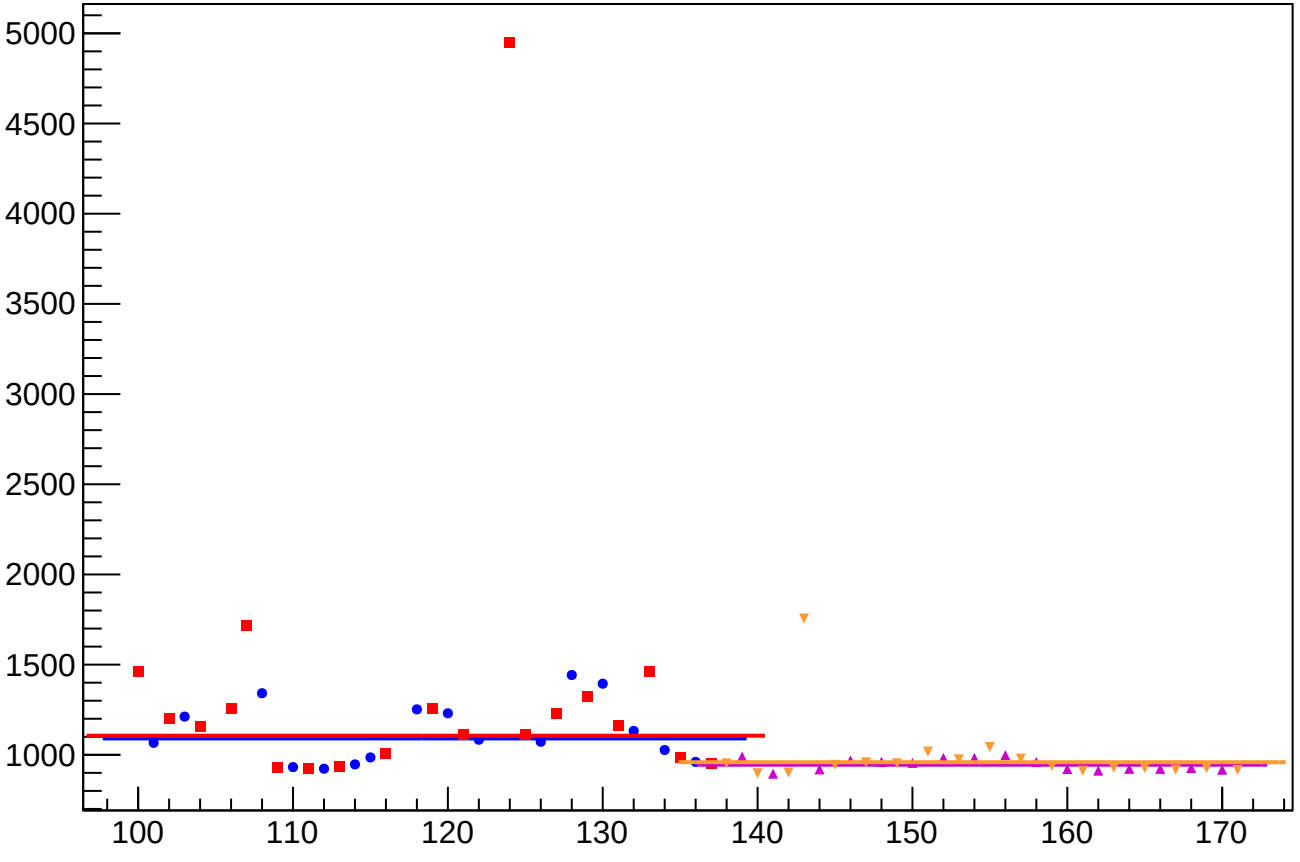
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -215.220+/-219.650 χ^2/NDF:26.5/31

Out: 222.633+/-217.209 χ^2/NDF:39.1/36

All: 6.153+/-154.445 χ^2/NDF: 67.6/68

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: 945.202+/-0.184 χ^2/NDF:29090.4/15

Left: 952.257+/-0.129 χ^2/NDF: 414783.5/33

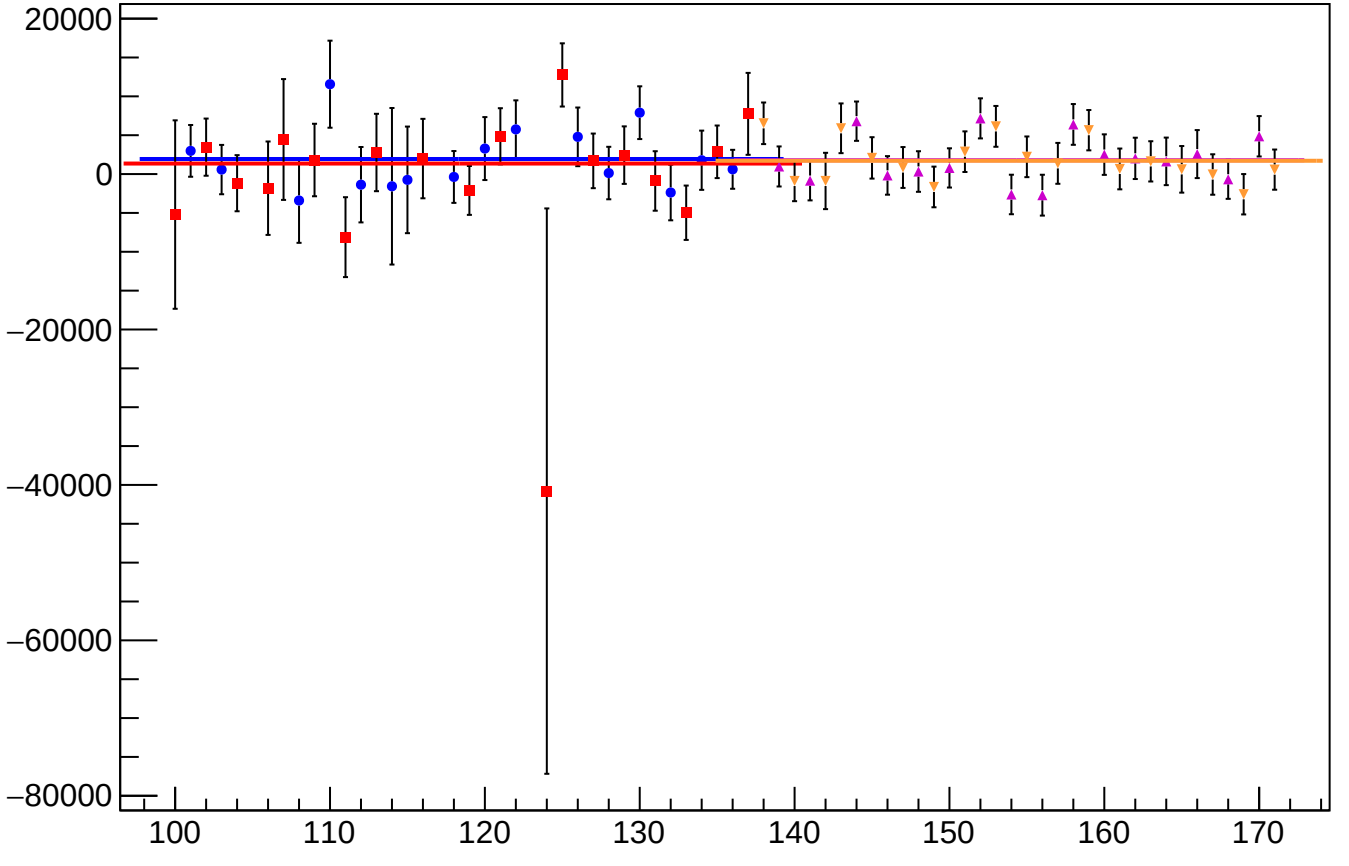
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 987.068+/-0.155 χ^2/NDF:486842.8/31

Out: 1000.057+/-0.154 χ^2/NDF:1081018.8/36

All: 993.635+/-0.109 χ^2/NDF: 1571397.7/68

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: 1778.713+/-655.288 χ^2/NDF:22.1/15

Left: 1743.866+/-456.280 χ^2/NDF: 39.4/33

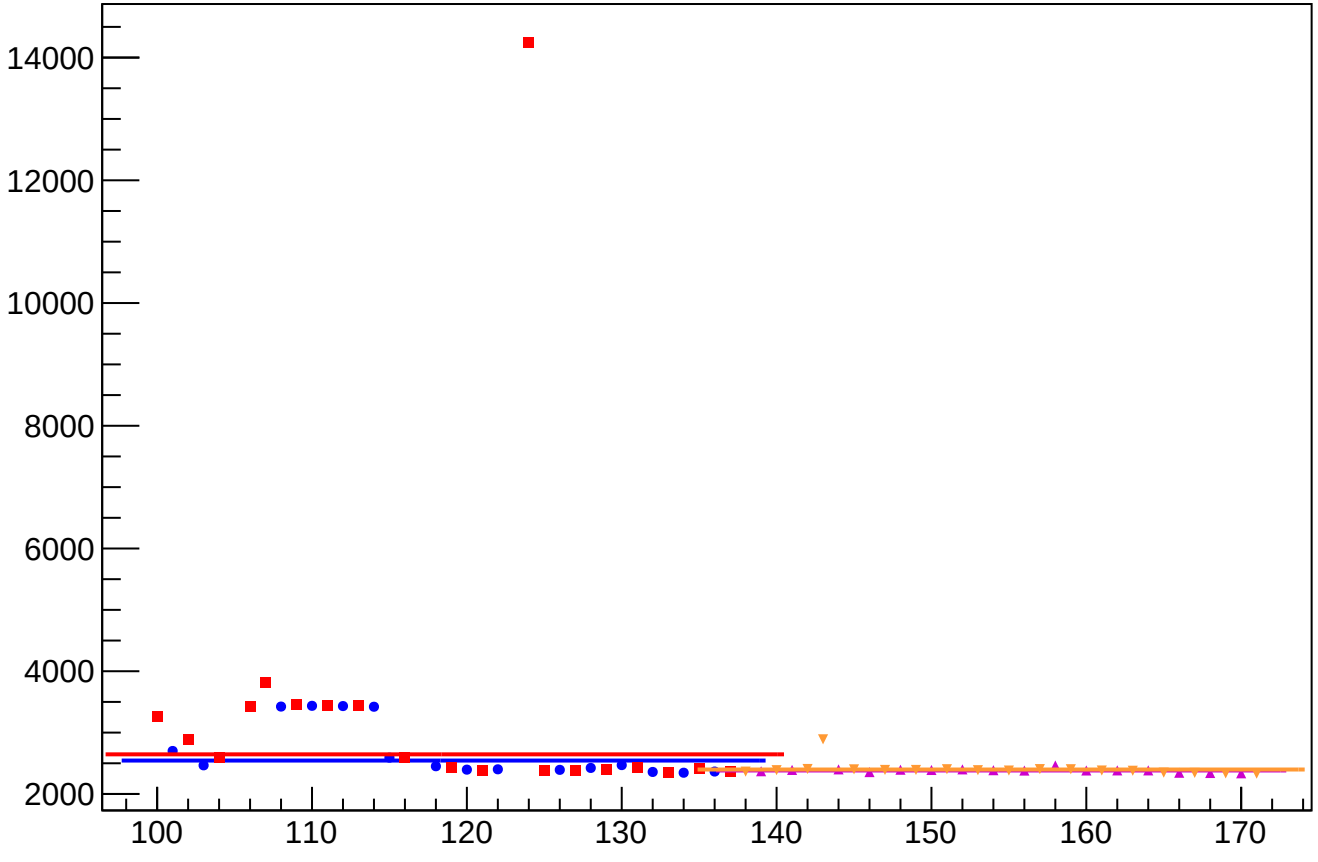
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1830.413+/-539.874 χ^2/NDF:34.3/31

Out: 1605.923+/-534.150 χ^2/NDF:39.2/36

All: 1716.972+/-379.709 χ^2/NDF: 73.7/68

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: 2382.594+/-0.463 χ^2/NDF:3927.6/15

Left: 2390.751+/-0.323 χ^2/NDF: 56614.0/33

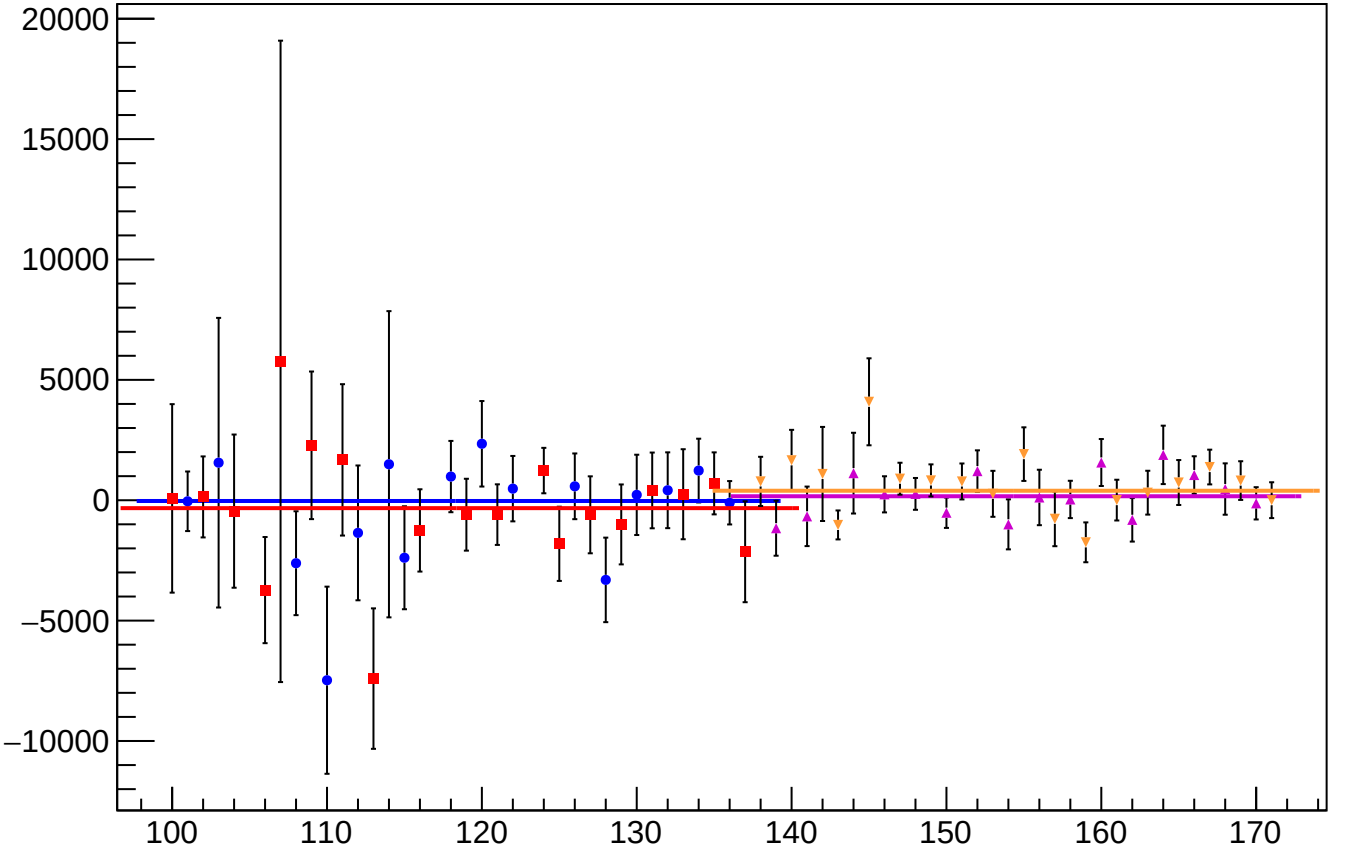
Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2434.577+/-0.382 χ^2/NDF:268721.3/31

Out: 2471.111+/-0.378 χ^2/NDF:677973.5/36

All: 2453.039+/-0.268 χ^2/NDF: 951323.1/68

asym_atl1_reg_correction_mean vs Slug, Sign Corrected



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: 165.484+/-219.563 χ^2/NDF:12.9/15

Left: 289.276+/-148.827 χ^2/NDF: 38.2/33

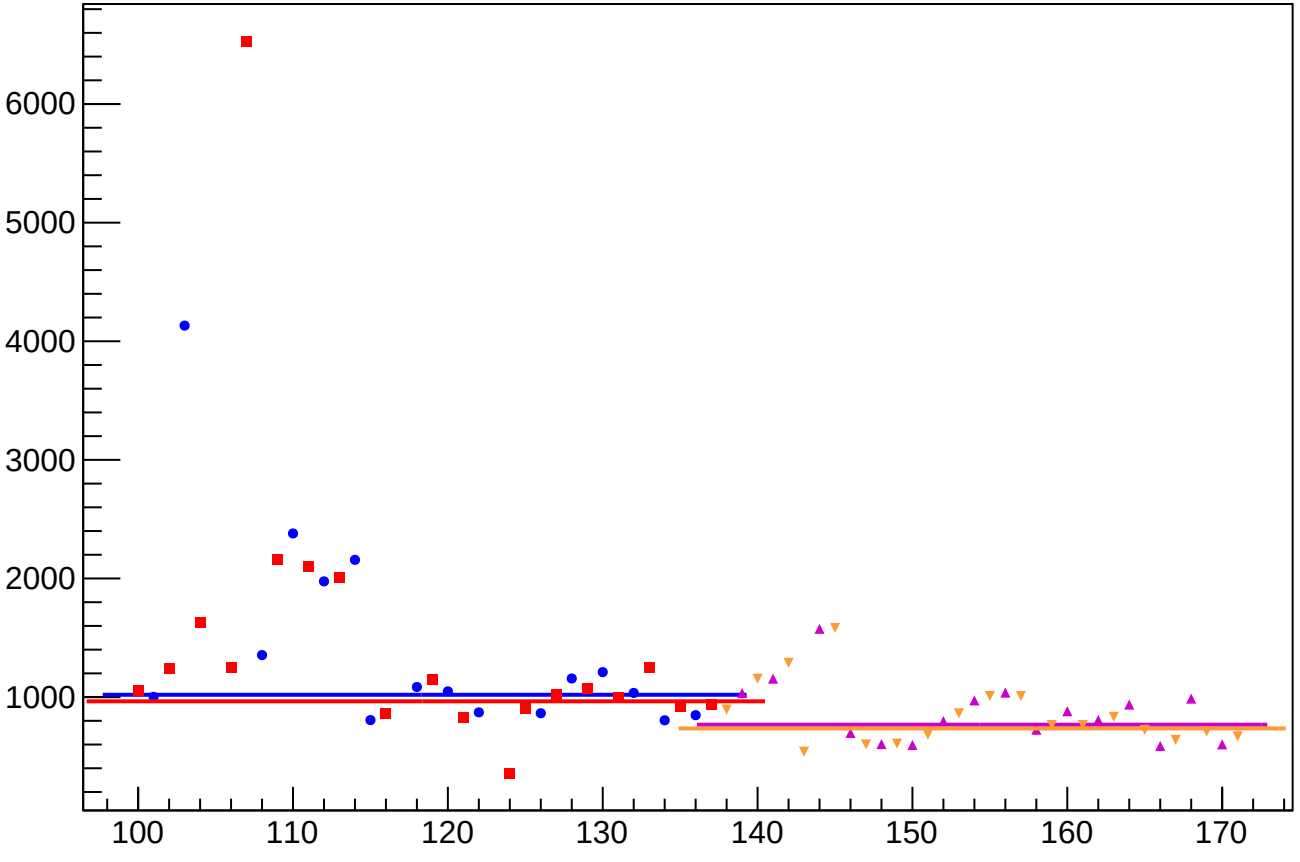
Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: 120.933+/-193.101 χ^2/NDF:26.9/31

Out: 246.250+/-180.483 χ^2/NDF:42.9/36

All: 187.819+/-131.856 χ^2/NDF: 70.0/68

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: 767.242+/-0.155 χ^2/NDF:1636185.2/15

Left: 750.185+/-0.105 χ^2/NDF: 3258157.8/33

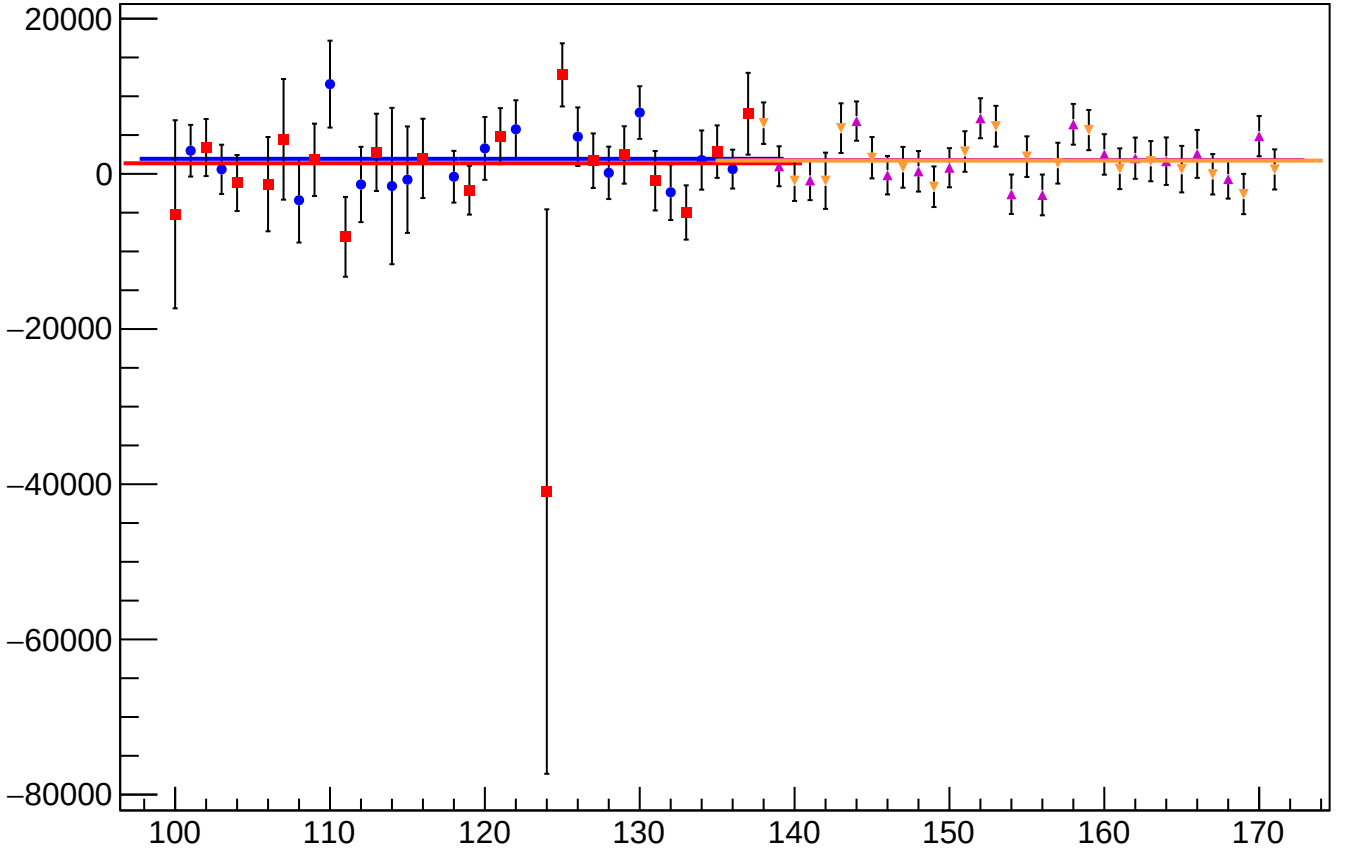
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 824.388+/-0.137 χ^2/NDF:3599042.8/31

Out: 782.581+/-0.128 χ^2/NDF:4432440.5/36

All: 802.074+/-0.093 χ^2/NDF: 8081519.8/68

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: 1778.751+/-655.288 χ^2/NDF:22.1/15

Left: 1743.871+/-456.280 χ^2/NDF: 39.4/33

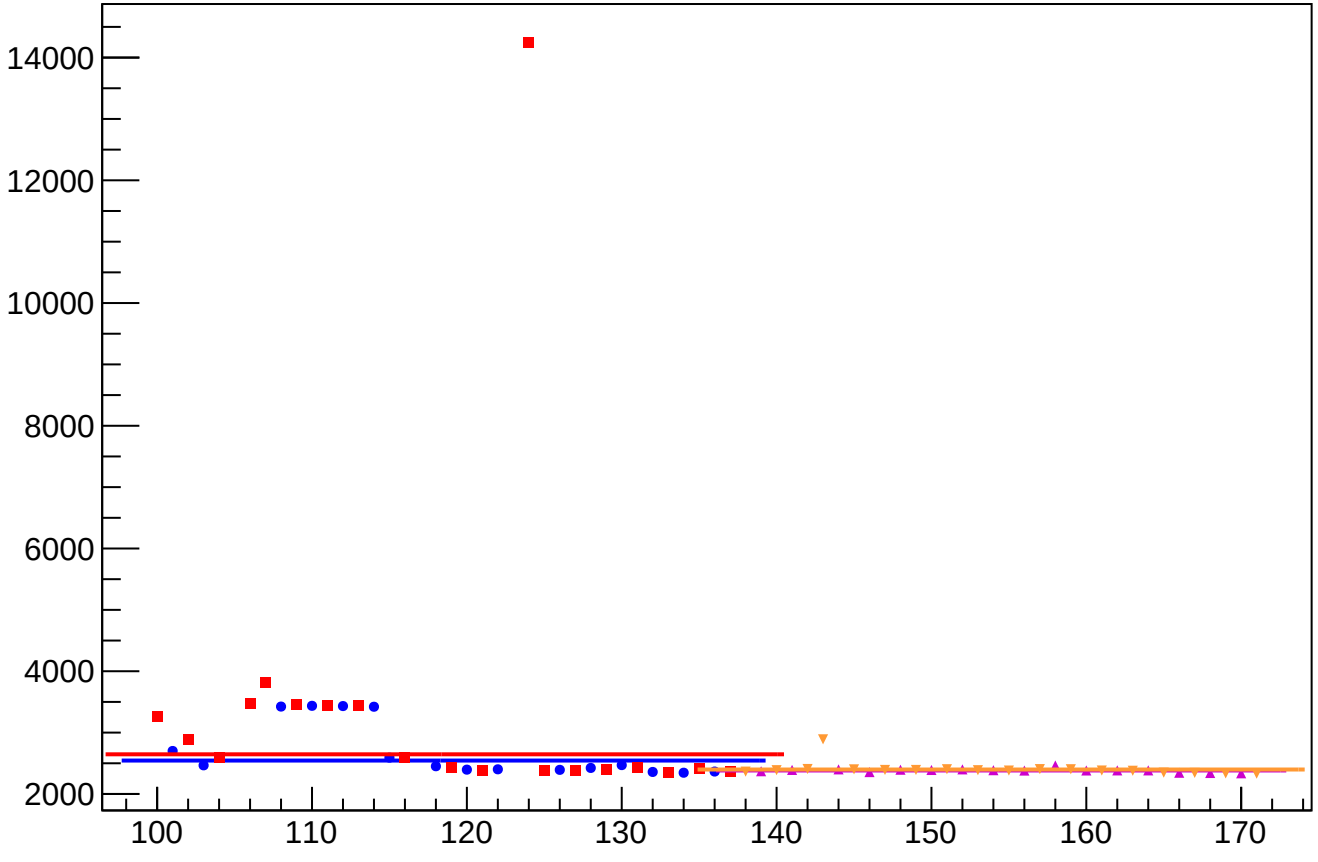
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1830.551+/-539.874 χ^2/NDF:34.3/31

Out: 1608.789+/-534.198 χ^2/NDF:39.1/36

All: 1718.498+/-379.726 χ^2/NDF: 73.6/68

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: 2382.594+/-0.463 χ^2/NDF:3927.6/15

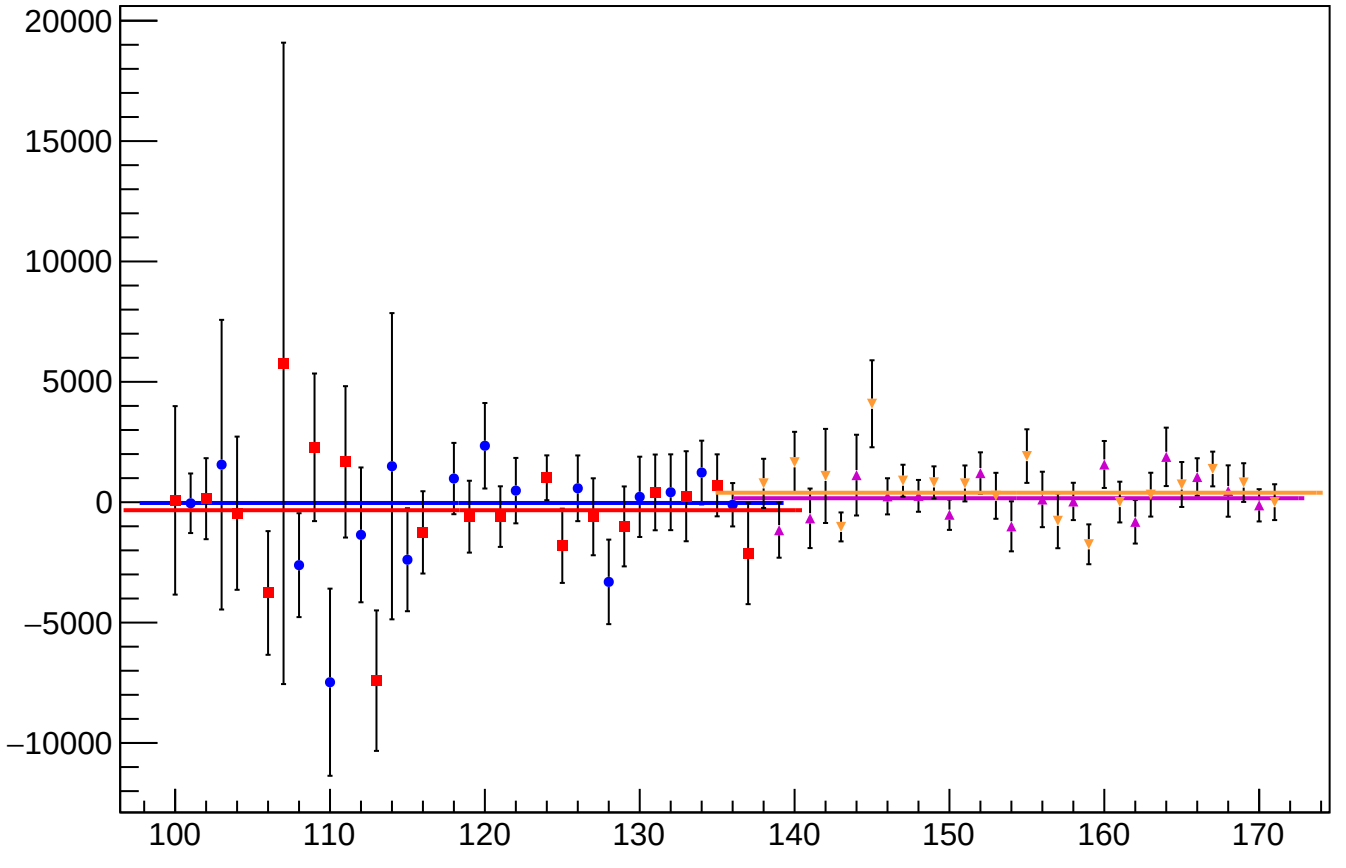
Left: 2390.751+/-0.323 χ^2/NDF: 56614.0/33

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2434.577+/-0.382 χ^2/NDF:268721.3/31

Out: 2471.243+/-0.378 χ^2/NDF:680917.2/36

All: 2453.104+/-0.269 χ^2/NDF: 954299.9/68



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: 165.479+/-219.563 χ^2/NDF:12.9/15

Left: 289.257+/-148.828 χ^2/NDF: 38.2/33

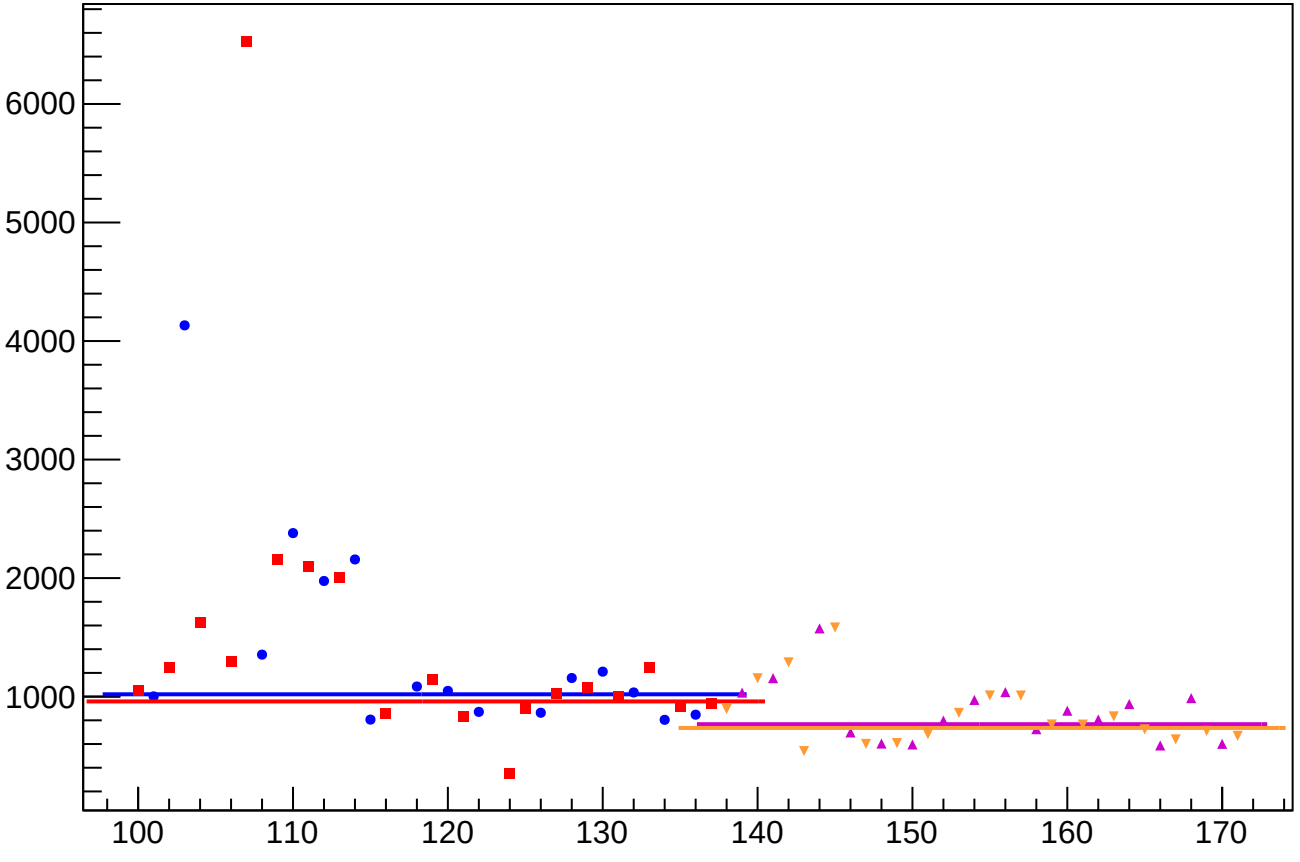
Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 120.915+/-193.100 χ^2/NDF:26.9/31

Out: 245.964+/-180.556 χ^2/NDF:41.7/36

All: 187.633+/-131.884 χ^2/NDF: 68.8/68

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: 767.239+/-0.155 χ^2/NDF:1636371.6/15

Left: 750.187+/-0.105 χ^2/NDF: 3258347.5/33

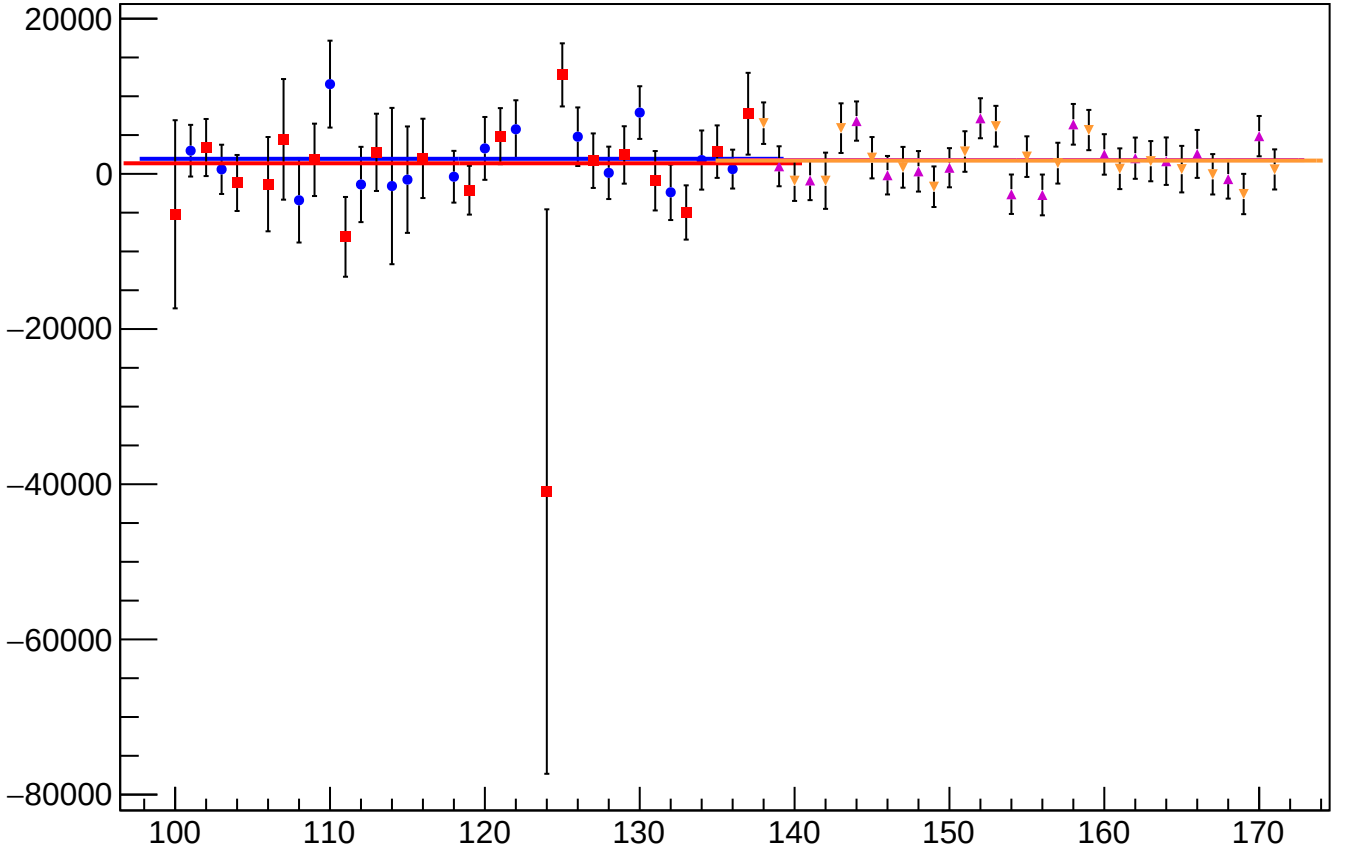
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 824.384+/-0.137 χ^2/NDF:3599206.5/31

Out: 781.415+/-0.128 χ^2/NDF:4443180.6/36

All: 801.458+/-0.093 χ^2/NDF: 8095224.9/68

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: 1778.751+/-655.288 χ^2/NDF:22.1/15

Left: 1743.871+/-456.280 χ^2/NDF: 39.4/33

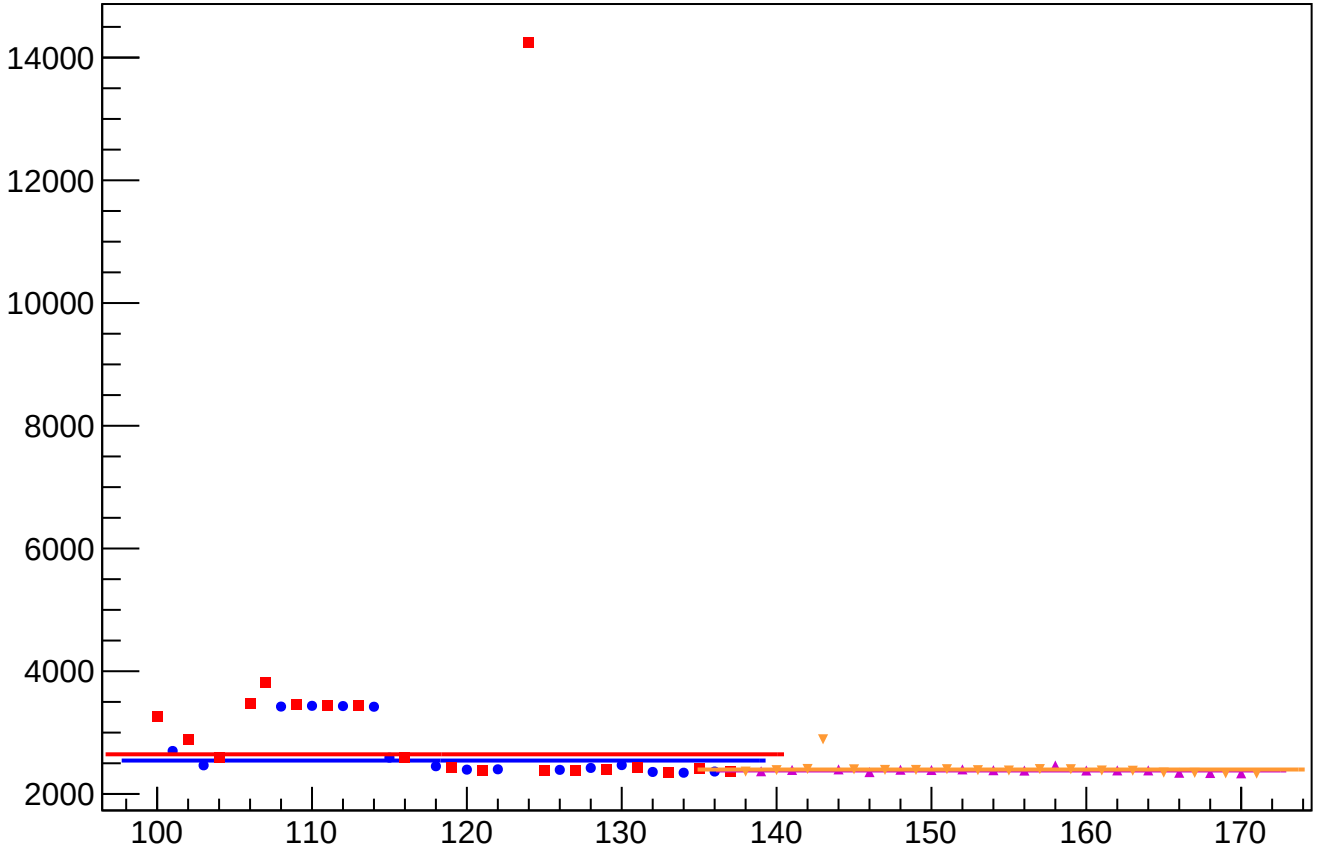
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1830.551+/-539.874 χ^2/NDF:34.3/31

Out: 1608.789+/-534.198 χ^2/NDF:39.1/36

All: 1718.498+/-379.726 χ^2/NDF: 73.6/68

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: 2382.594+/-0.463 χ^2/NDF:3927.6/15

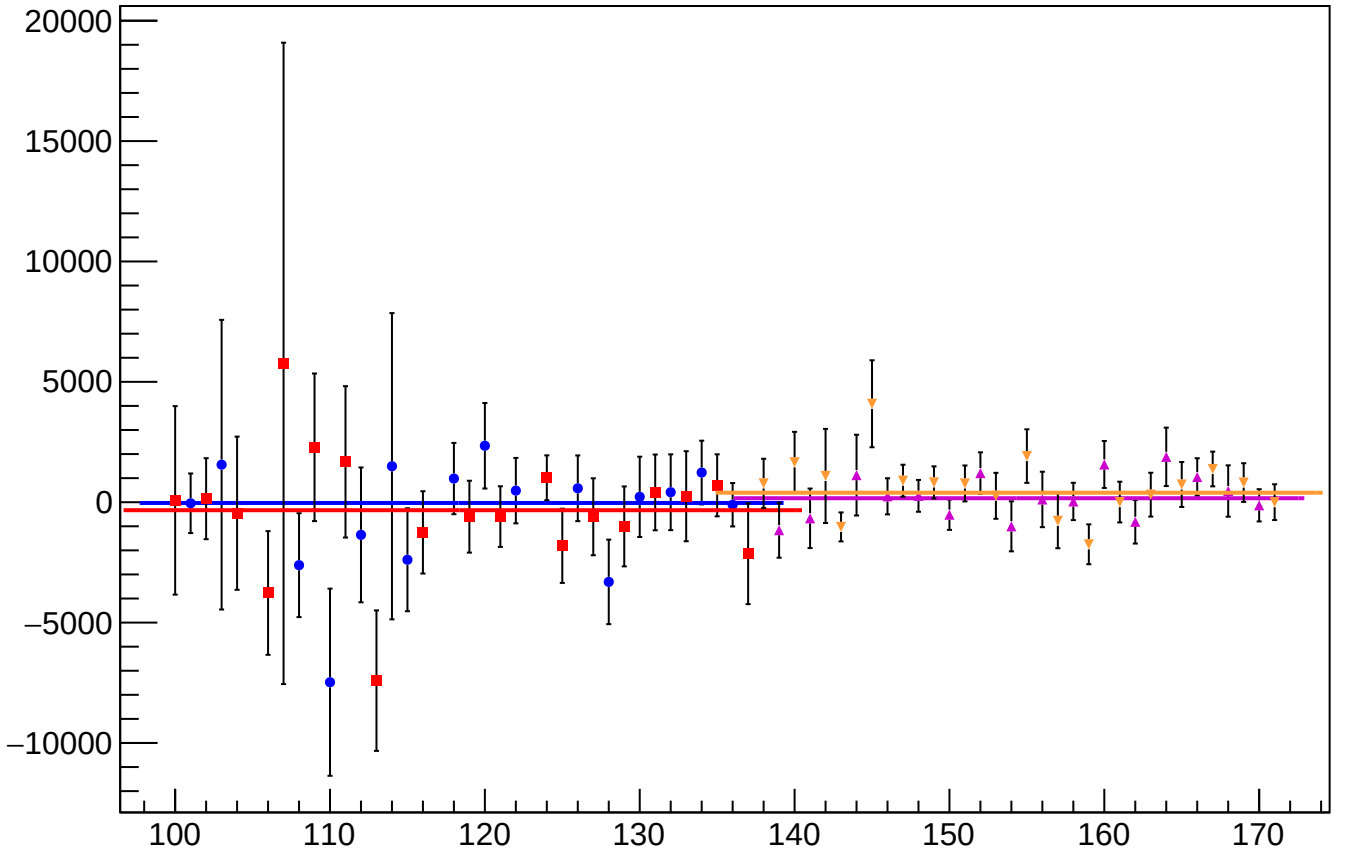
Left: 2390.751+/-0.323 χ^2/NDF: 56614.0/33

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2434.577+/-0.382 χ^2/NDF:268721.3/31

Out: 2471.243+/-0.378 χ^2/NDF:680917.2/36

All: 2453.104+/-0.269 χ^2/NDF: 954299.9/68



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: 165.479+/-219.563 χ^2/NDF:12.9/15

Left: 289.257+/-148.828 χ^2/NDF: 38.2/33

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: 120.915+/-193.100 χ^2/NDF:26.9/31

Out: 245.964+/-180.556 χ^2/NDF:41.7/36

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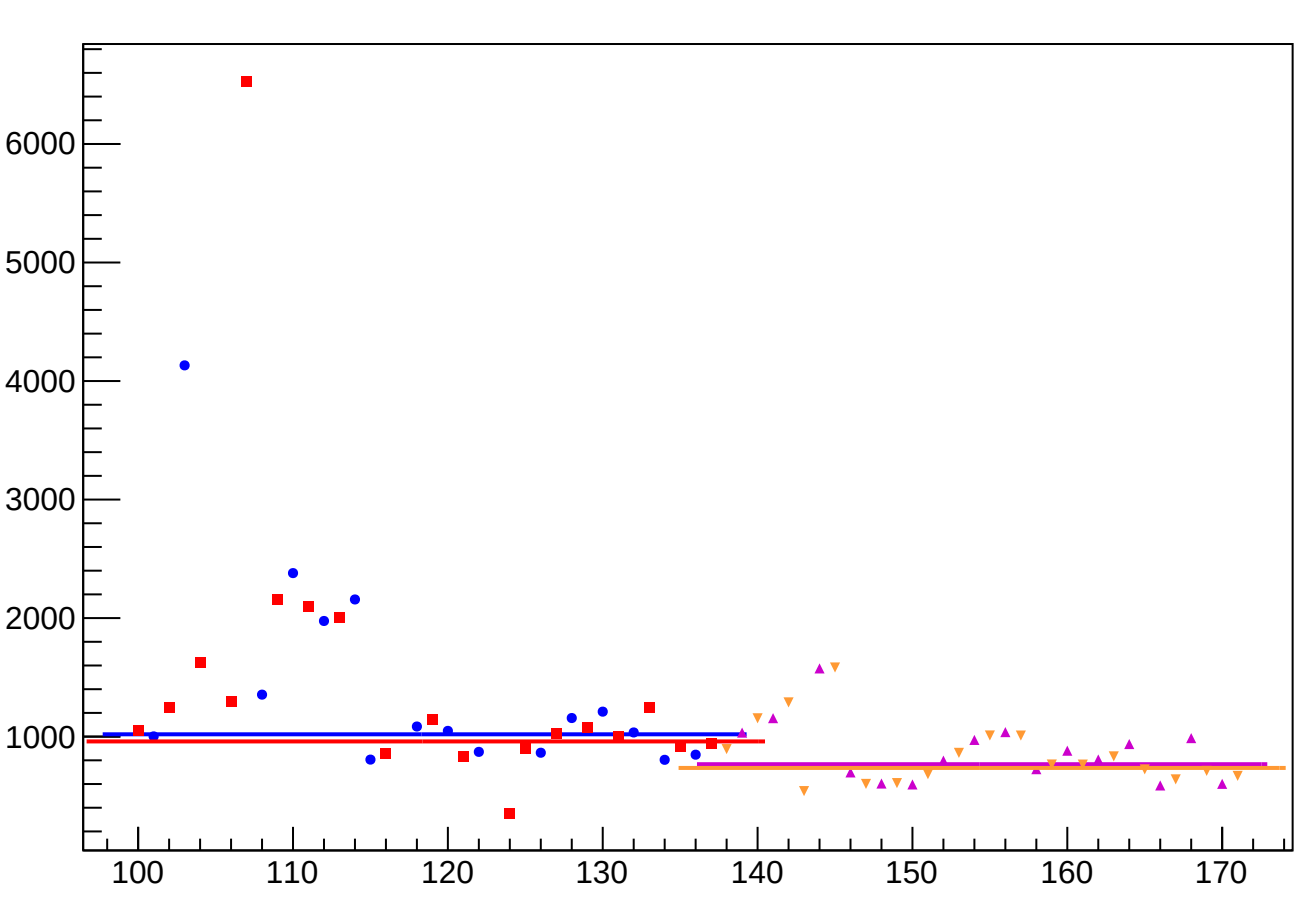


Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

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: 767.239+/-0.155 χ^2/NDF:1636371.6/15

Left: 750.187+/-0.105 χ^2/NDF: 3258347.5/33

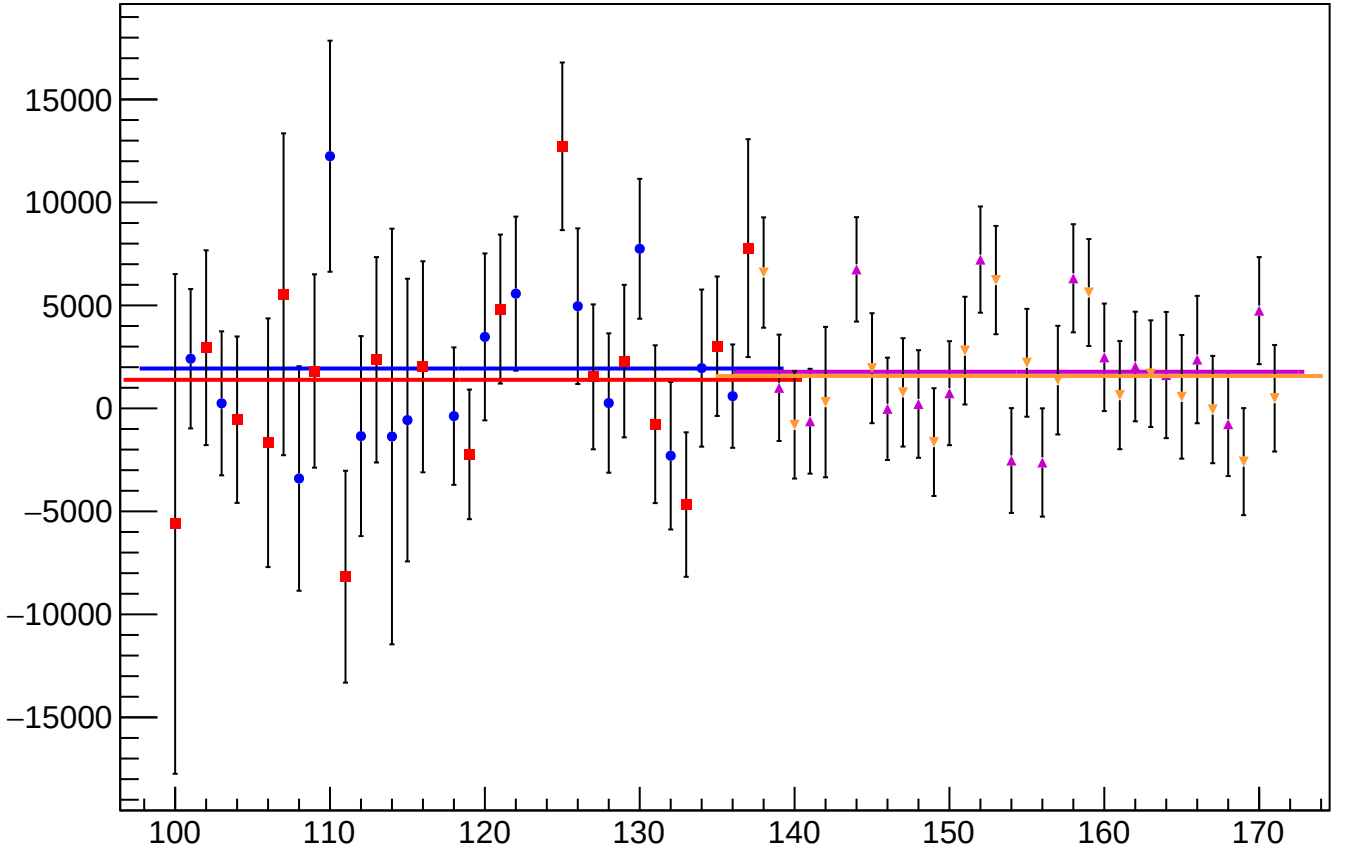
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 824.384+/-0.137 χ^2/NDF:3599206.5/31

Out: 781.415+/-0.128 χ^2/NDF:4443180.6/36

All: 801.458+/-0.093 χ^2/NDF: 8095224.9/68

dit_asym_atl1_mean vs Slug, Sign Corrected



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: 1778.112+/-655.883 χ^2/NDF:21.4/15

Left: 1673.631+/-461.471 χ^2/NDF: 36.8/32

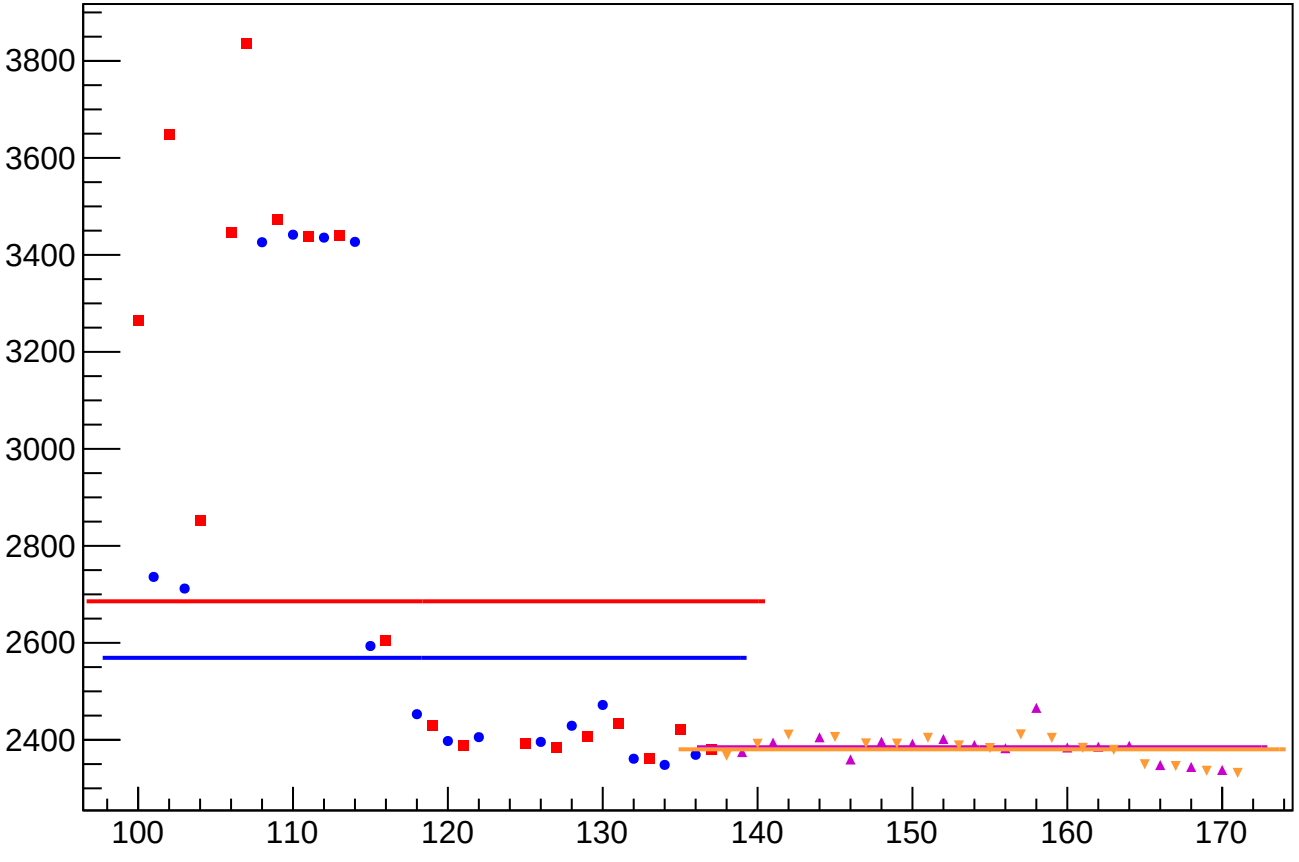
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1828.189+/-541.973 χ^2/NDF:33.8/31

Out: 1517.419+/-546.093 χ^2/NDF:35.1/34

All: 1673.981+/-384.681 χ^2/NDF: 69.1/66

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: 2384.748+/-0.464 χ^2/NDF:3912.8/15

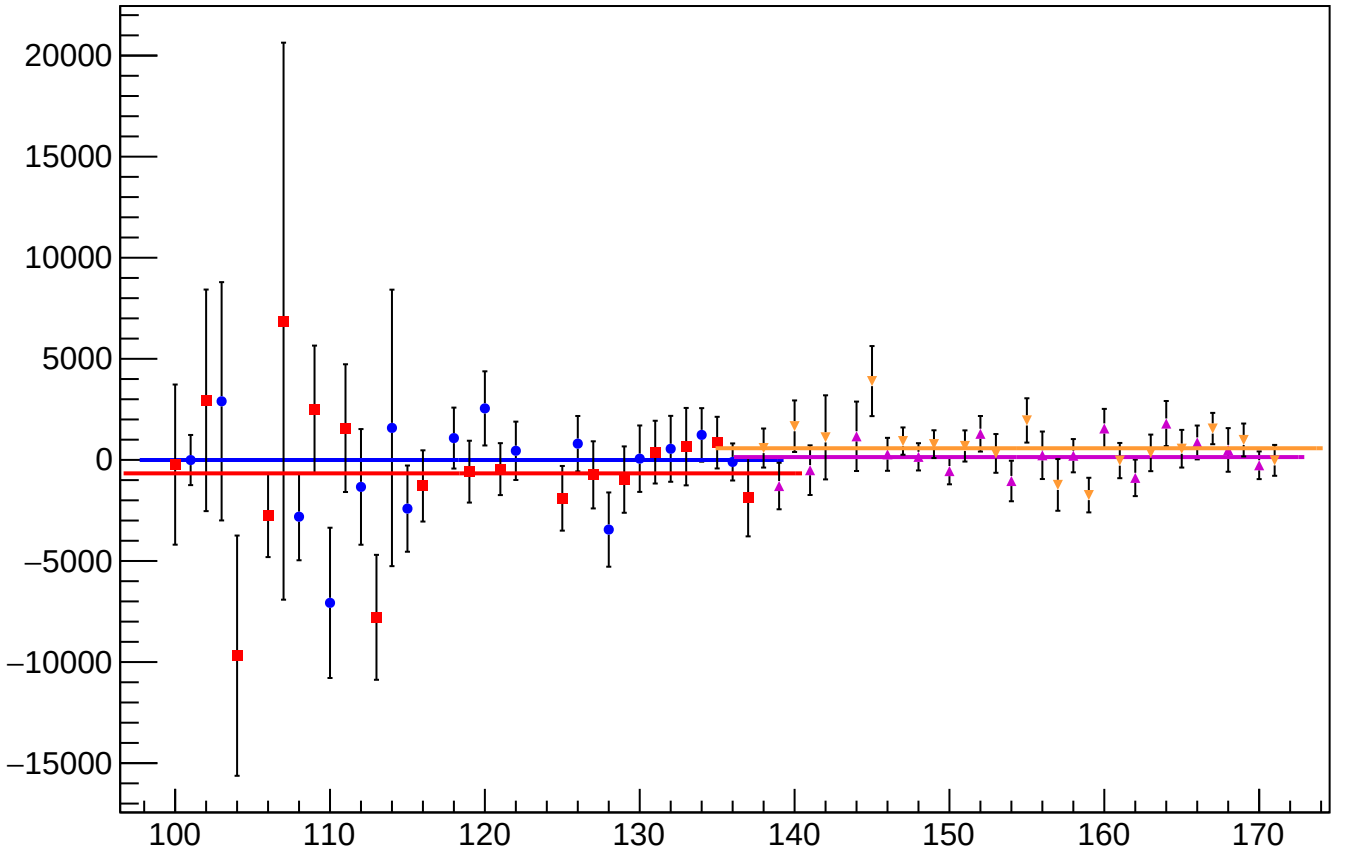
Left: 2382.589+/-0.326 χ^2/NDF: 6916.9/32

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2443.232+/-0.383 χ^2/NDF:283533.6/31

Out: 2469.854+/-0.386 χ^2/NDF:551597.8/34

All: 2456.442+/-0.272 χ^2/NDF: 837525.9/66



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 576.699+/-219.687 χ^2/NDF:18.8/16

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: 139.400+/-224.792 χ^2/NDF:13.3/15

Left: 363.071+/-157.116 χ^2/NDF: 34.1/32

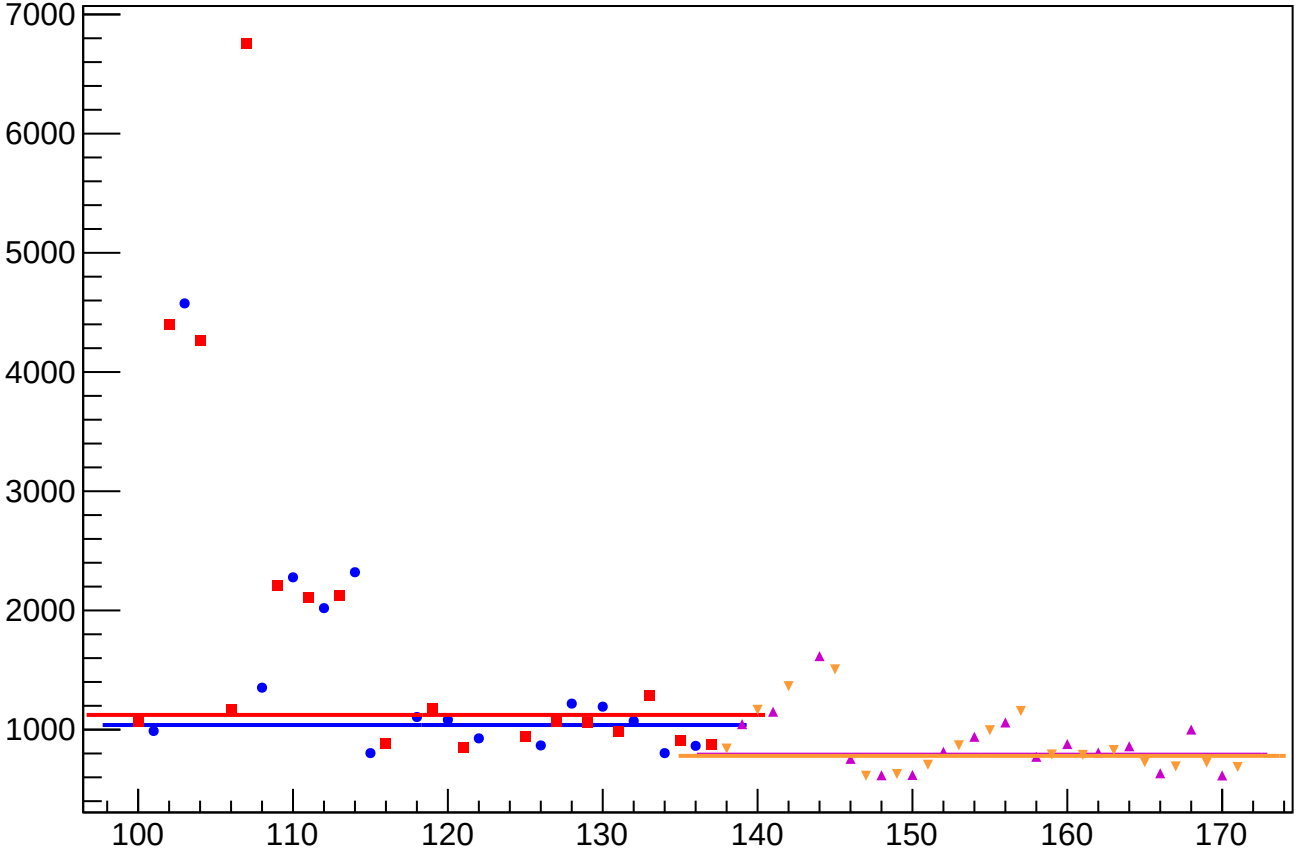
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: 106.266+/-197.358 χ^2/NDF:27.9/31

Out: 346.329+/-198.280 χ^2/NDF:39.1/34

All: 225.738+/-139.878 χ^2/NDF: 67.8/66

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: 790.008+/-0.159 χ^2/NDF:1458707.5/15

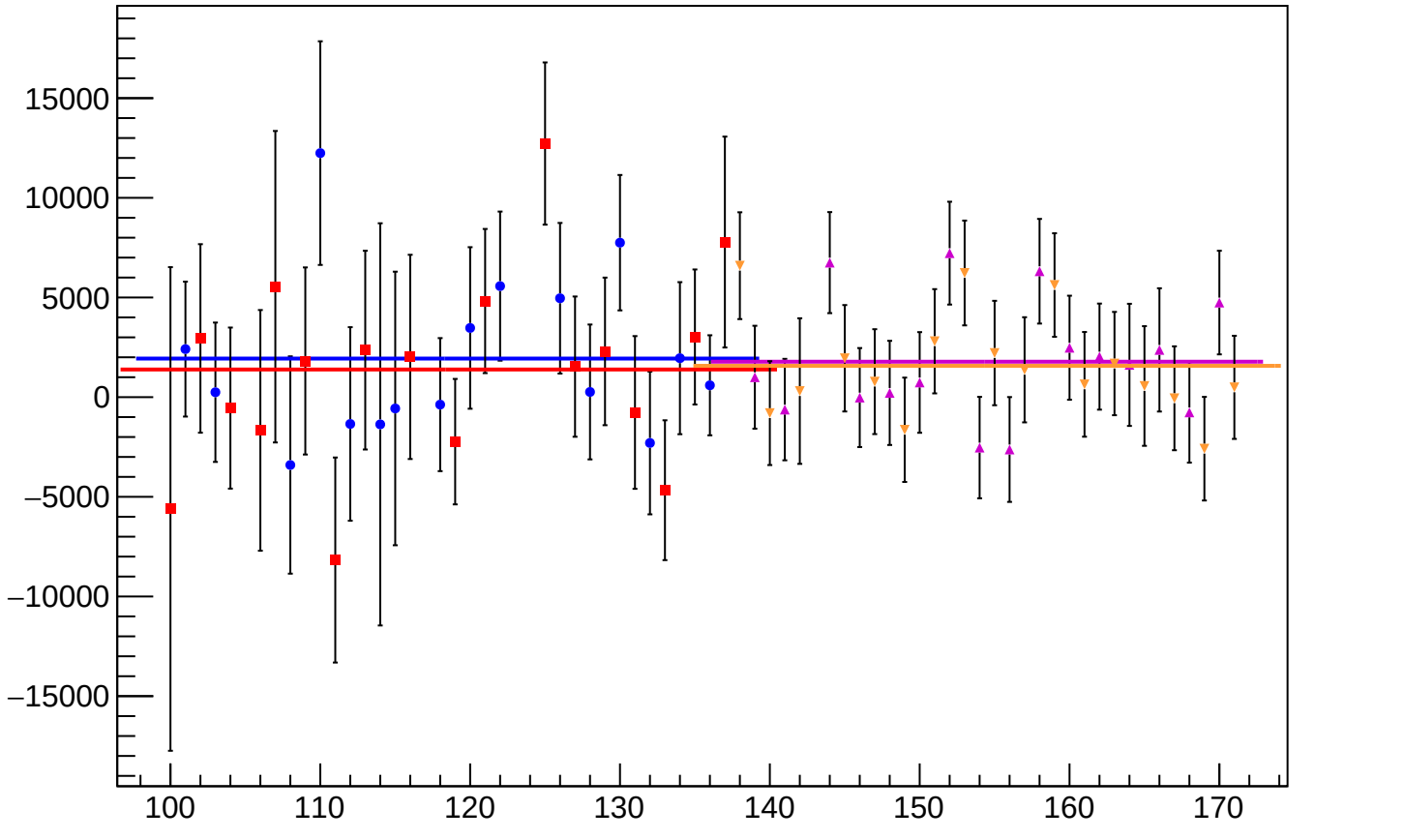
Left: 784.916+/-0.111 χ^2/NDF: 2745515.5/32

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 847.029+/-0.140 χ^2/NDF:3559929.0/31

Out: 843.719+/-0.140 χ^2/NDF:4726364.5/34

All: 845.382+/-0.099 χ^2/NDF: 8286573.6/66



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: 1778.112+/-655.883 χ^2/NDF:21.4/15

Left: 1673.632+/-461.471 χ^2/NDF: 36.8/32

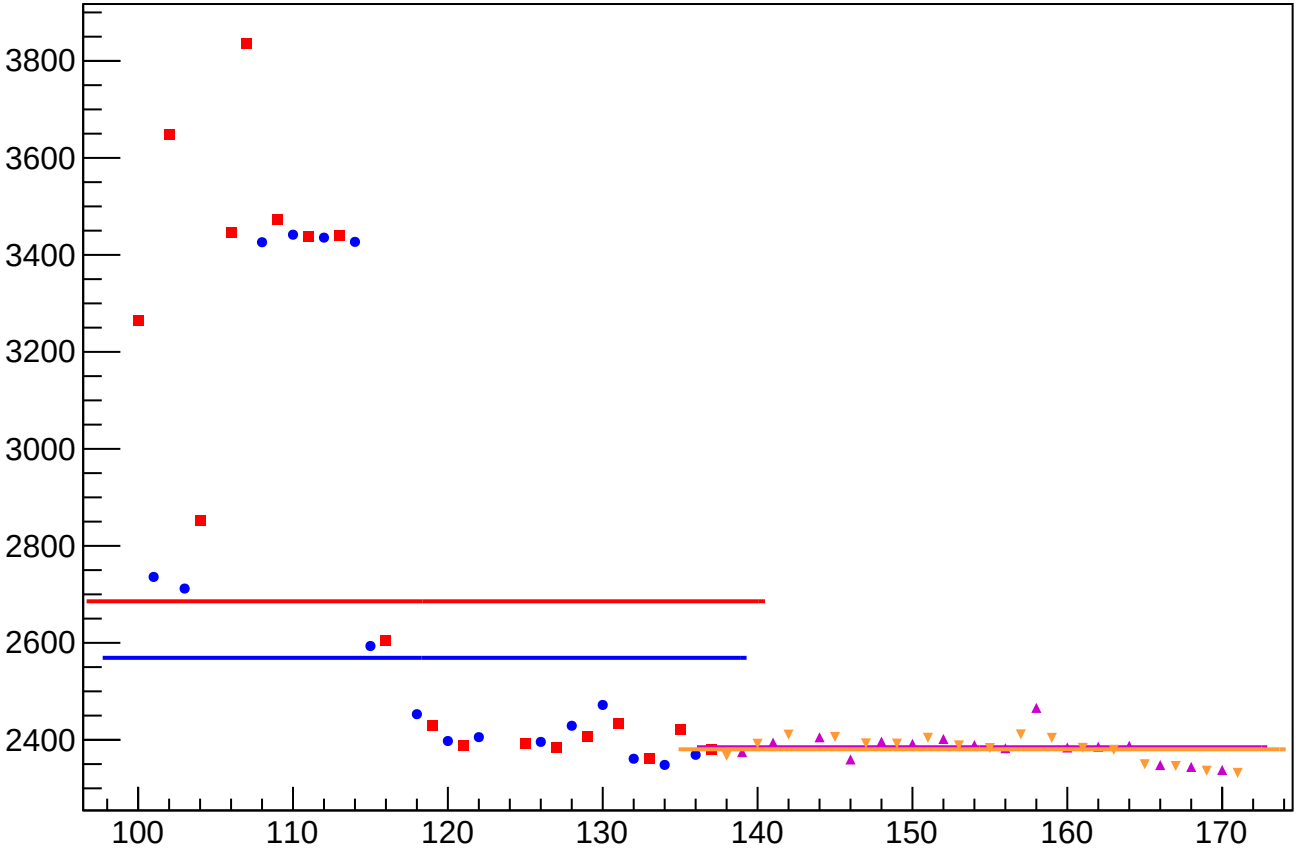
Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1828.189+/-541.973 χ^2/NDF:33.8/31

Out: 1517.419+/-546.093 χ^2/NDF:35.1/34

All: 1673.981+/-384.681 χ^2/NDF: 69.1/66

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: 2384.748+/-0.464 χ^2/NDF:3912.8/15

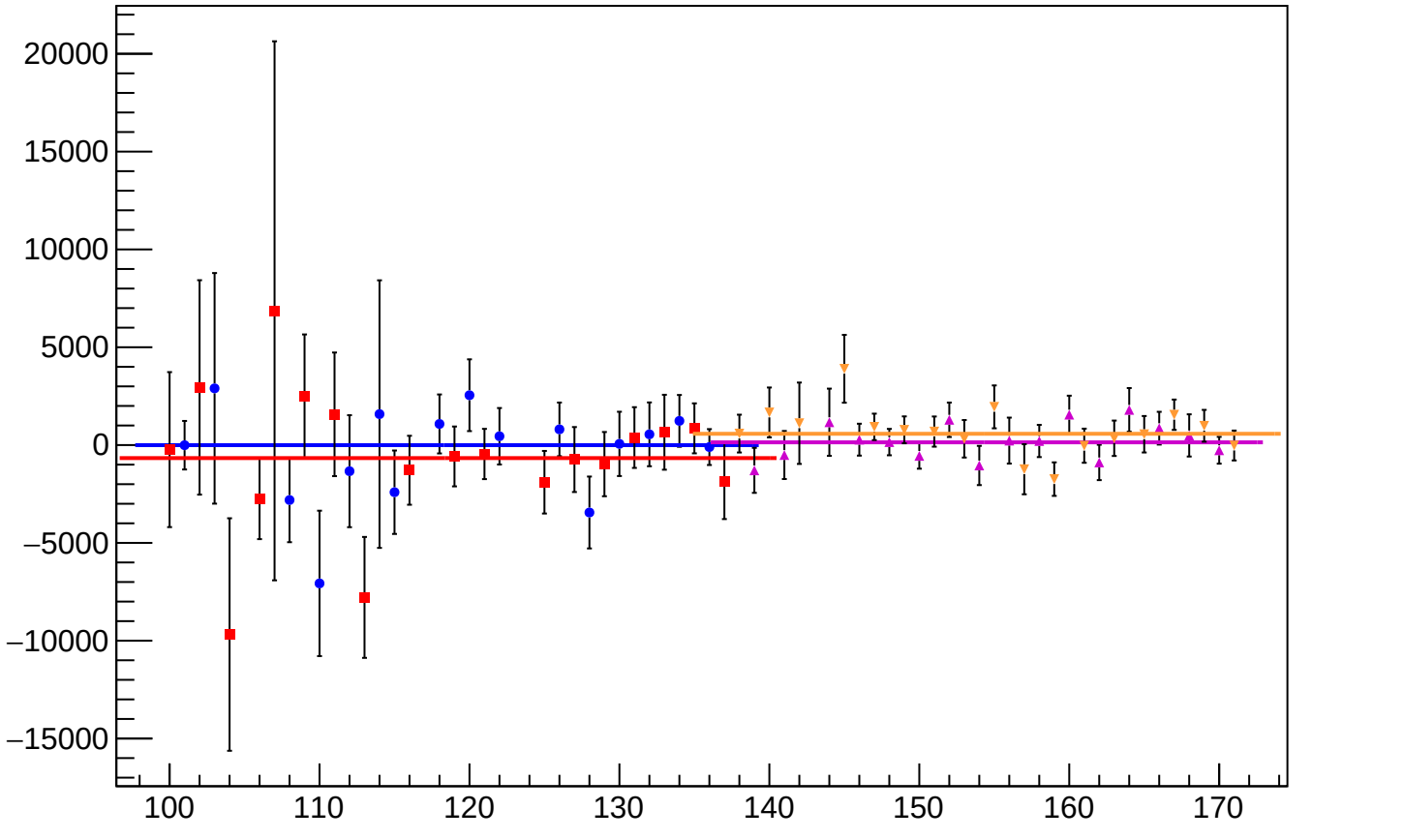
Left: 2382.589+/-0.326 χ^2/NDF: 6916.9/32

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2443.232+/-0.383 χ^2/NDF:283533.1/31

Out: 2469.853+/-0.386 χ^2/NDF:551596.9/34

All: 2456.442+/-0.272 χ^2/NDF: 837524.6/66



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: 139.400+/-224.792 χ^2/NDF:13.3/15

Left: 363.071+/-157.116 χ^2/NDF: 34.1/32

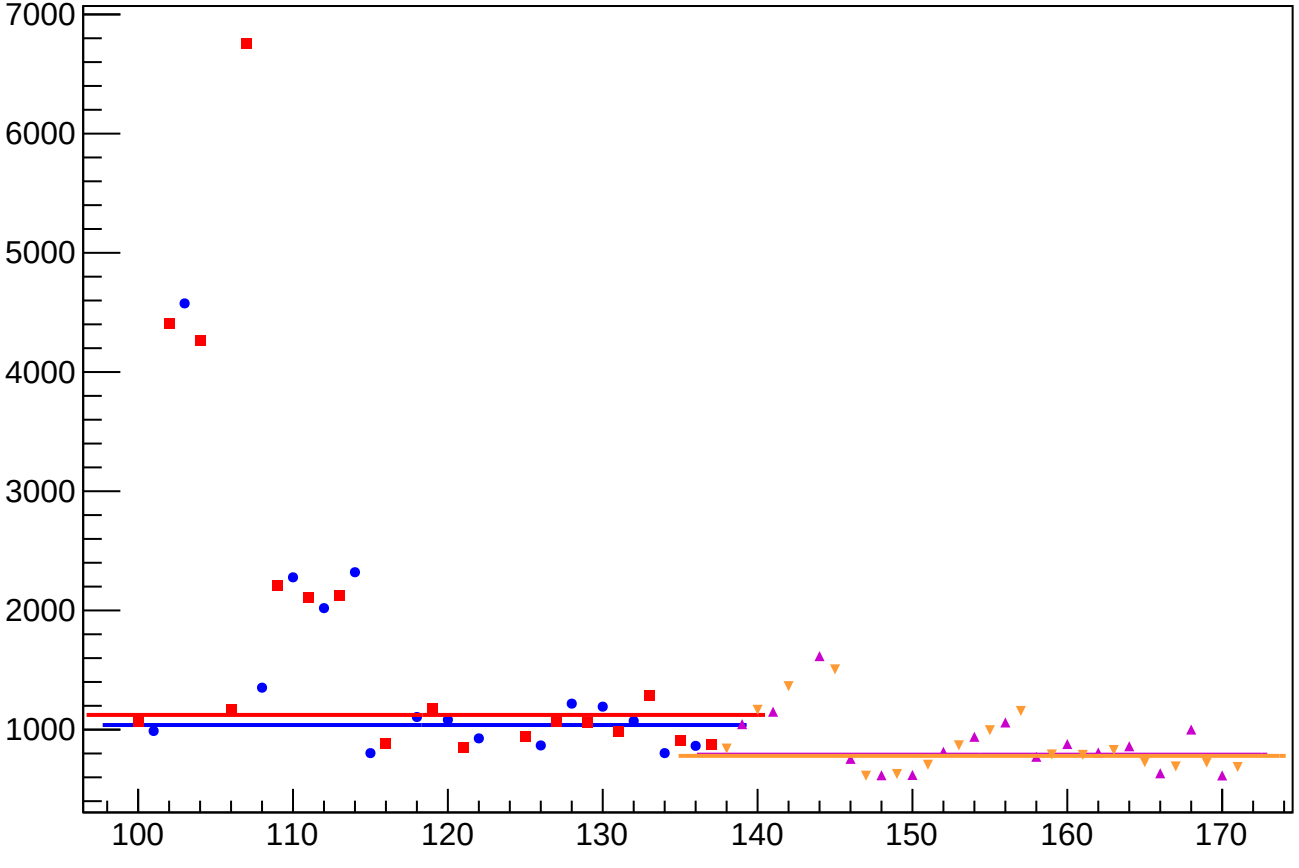
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: 106.265+/-197.358 χ^2/NDF:27.9/31

Out: 346.328+/-198.281 χ^2/NDF:39.1/34

All: 225.737+/-139.878 χ^2/NDF: 67.8/66

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 780.055+/-0.155 χ^2/NDF:1284798.6/16

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 790.010+/-0.159 χ^2/NDF:1458705.8/15

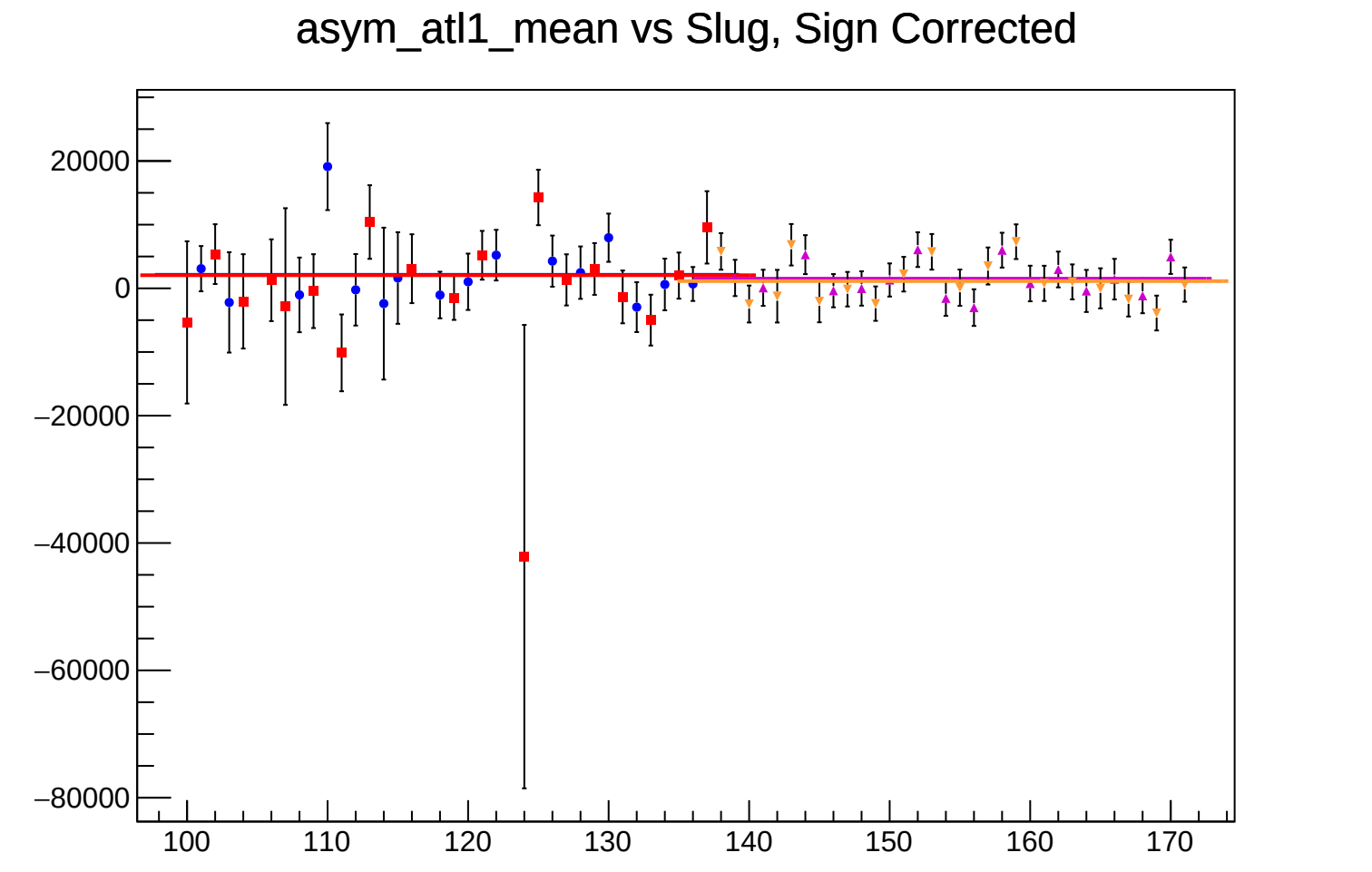
Left: 784.918+/-0.111 χ^2/NDF: 2745510.7/32

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 847.031+/-0.140 χ^2/NDF:3559916.8/31

Out: 843.720+/-0.140 χ^2/NDF:4726351.0/34

All: 845.383+/-0.099 χ^2/NDF: 8286547.8/66



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: 1513.424+/-703.148 χ^2/NDF:15.1/15

Left: 1316.239+/-488.574 χ^2/NDF: 39.1/33

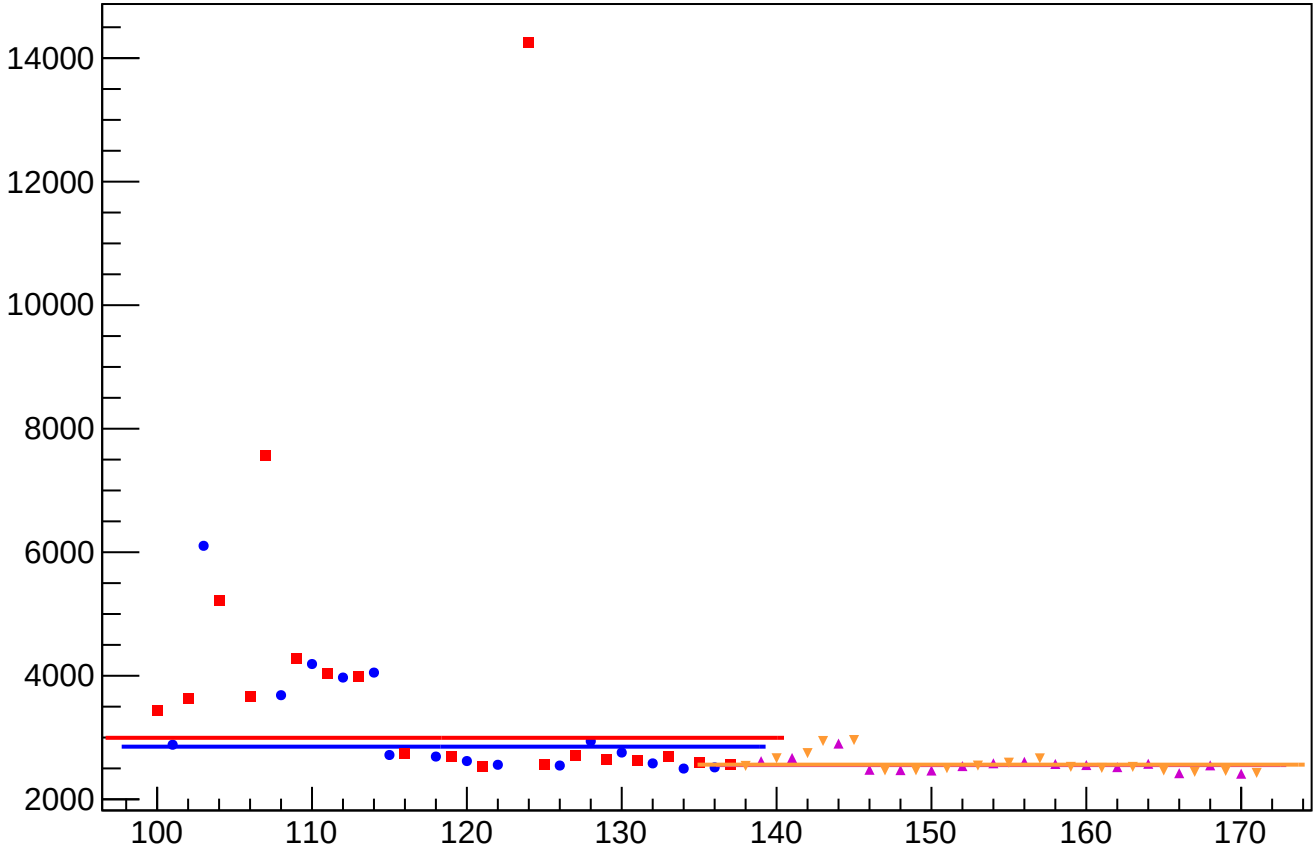
Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1693.489+/-590.023 χ^2/NDF:28.7/31

Out: 1376.261+/-583.163 χ^2/NDF:48.7/36

All: 1533.020+/-414.763 χ^2/NDF: 77.5/68

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: 2553.974+/-0.497 χ^2/NDF:46110.4/15

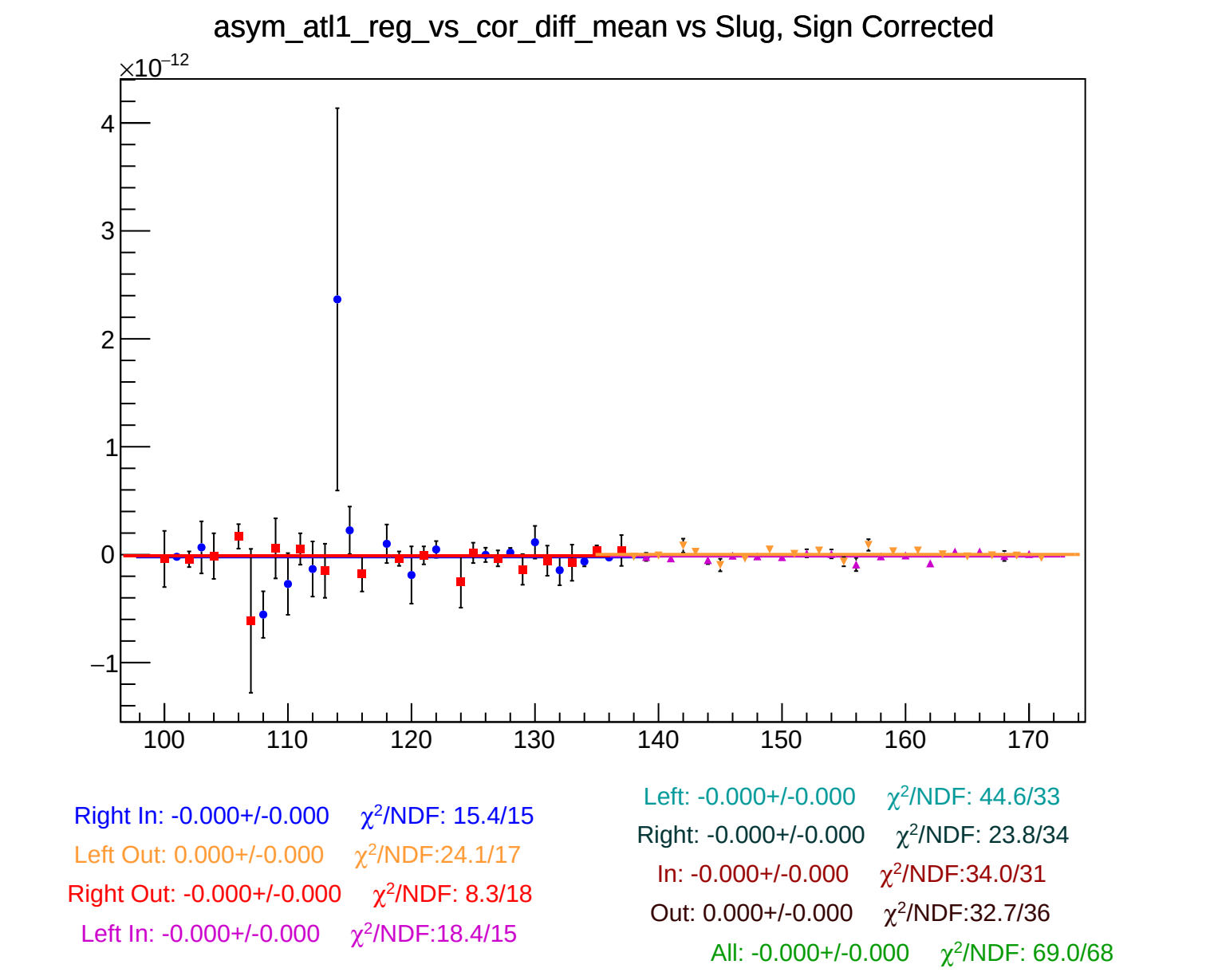
Left: 2557.544+/-0.345 χ^2/NDF: 132703.3/33

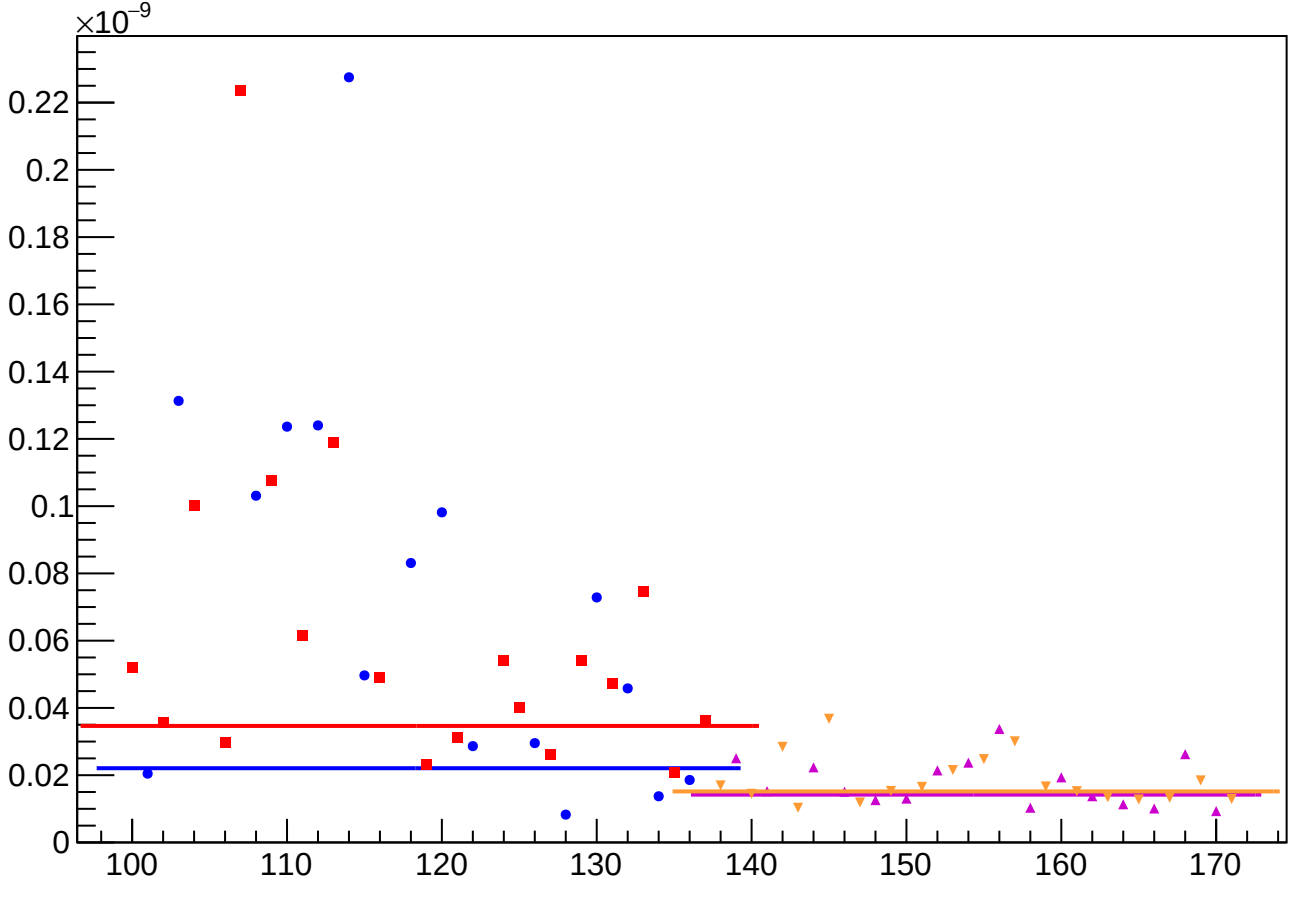
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2642.216+/-0.417 χ^2/NDF:801279.8/31

Out: 2675.255+/-0.412 χ^2/NDF:1281095.2/36

All: 2658.928+/-0.293 χ^2/NDF: 2085547.2/68


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.1/17
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:18.4/15
Left: -0.000+/-0.000 χ²/NDF: 44.6/33
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:34.0/31
Out: 0.000+/-0.000 χ²/NDF:32.7/36
All: -0.000+/-0.000 χ²/NDF: 69.0/68



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:1149455.7/15

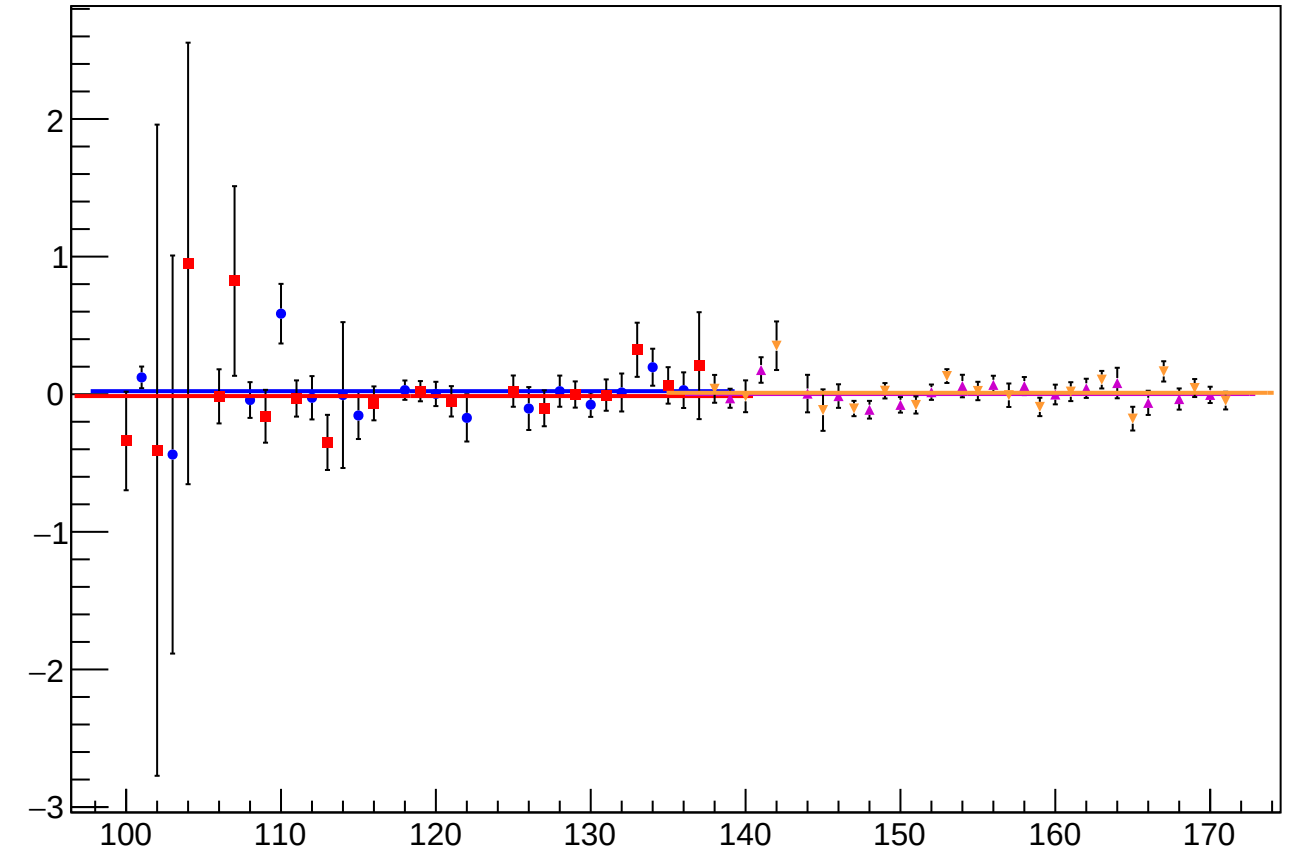
Left: 0.000+/-0.000 χ^2/NDF: 2115296.0/33

Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3854565.8/31

Out: 0.000+/-0.000 χ^2/NDF:3373721.5/36

All: 0.000+/-0.000 χ^2/NDF: 7261902.5/68



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: 0.001+/-0.018 χ^2/NDF:12.9/15

Left: 0.006+/-0.012 χ^2/NDF: 44.7/32

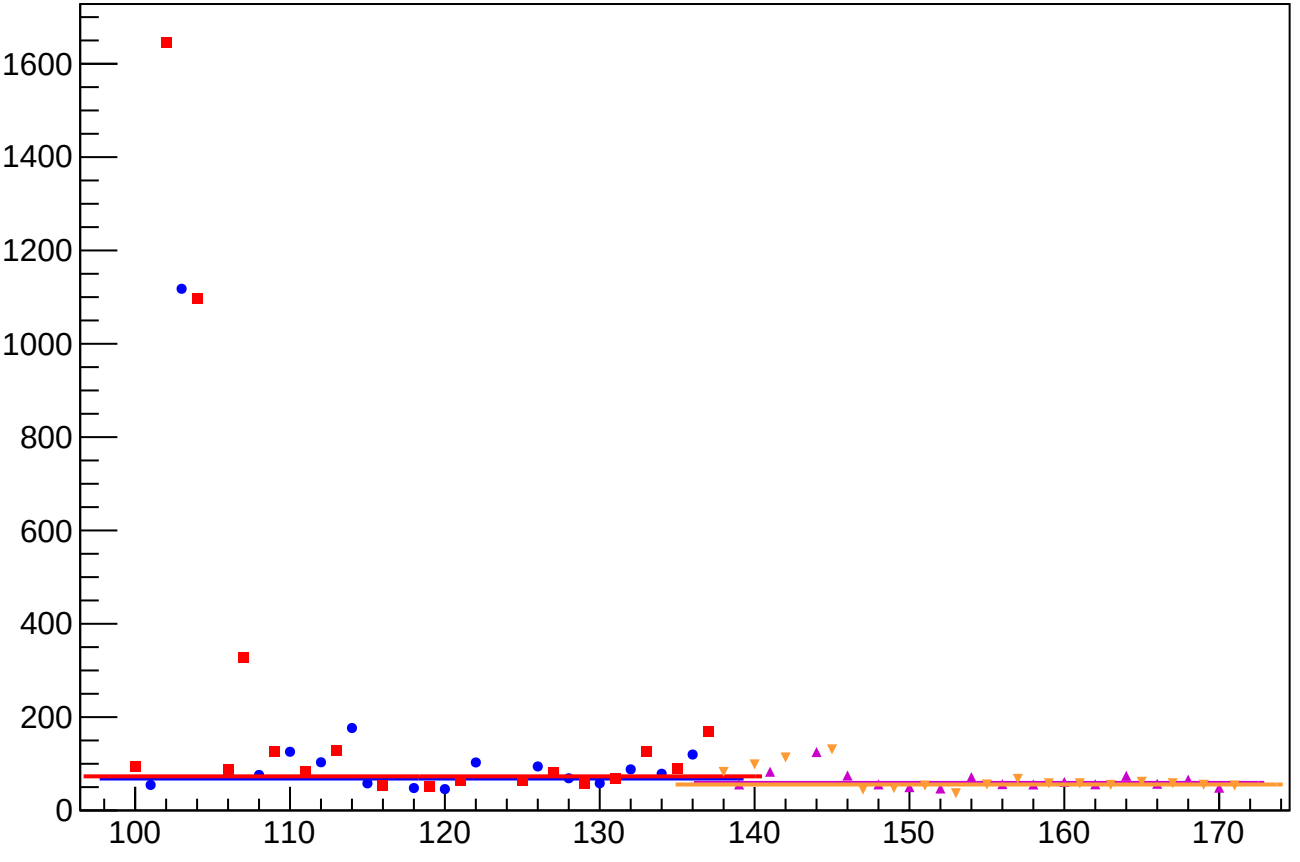
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.0/31

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.006+/-0.011 χ^2/NDF: 71.0/66

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.616+/-0.012 χ^2/NDF:1587633.9/16

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 59.021+/-0.013 χ^2/NDF:999973.8/15

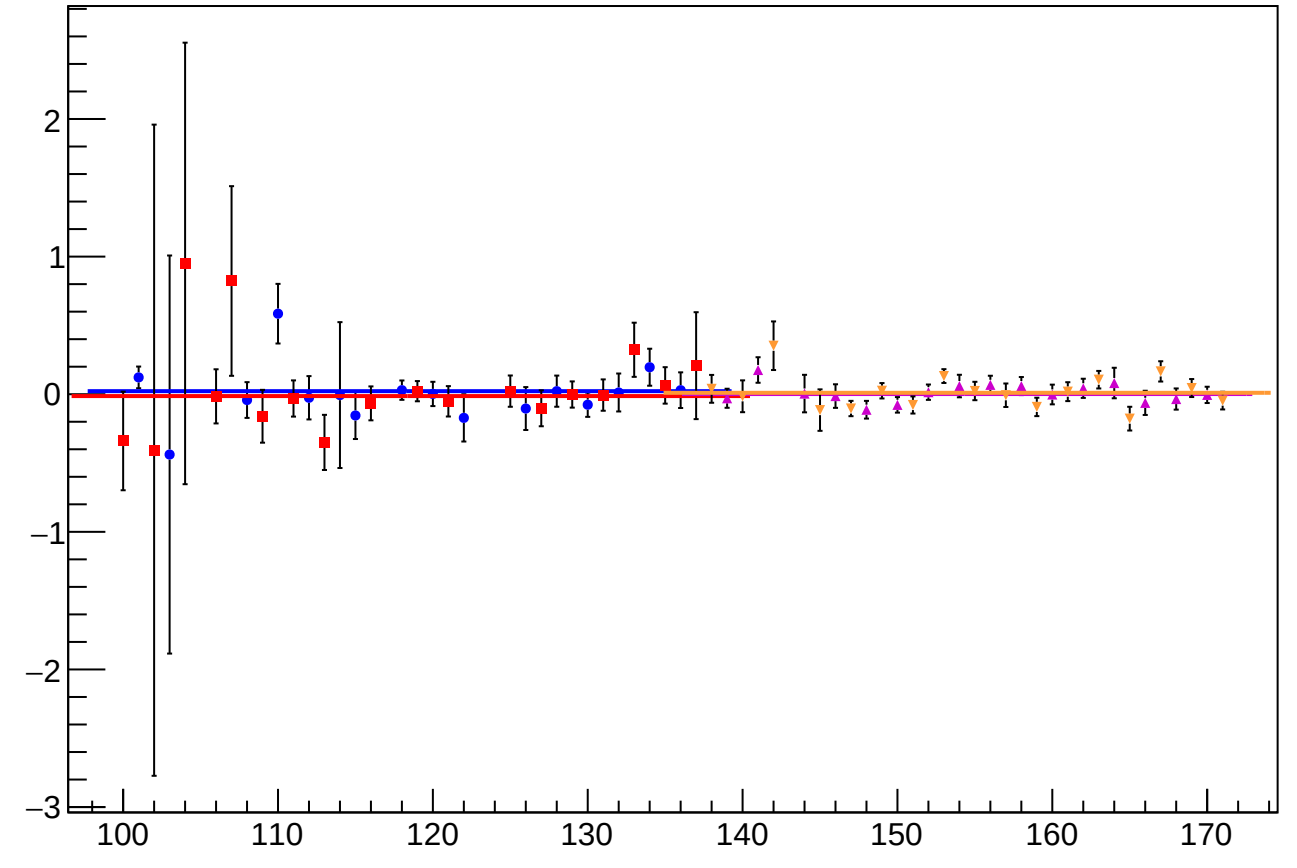
Left: 57.235+/-0.009 χ^2/NDF: 2624931.1/32

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.504+/-0.011 χ^2/NDF:3421417.3/31

Out: 59.257+/-0.011 χ^2/NDF:4931135.5/34

All: 60.366+/-0.008 χ^2/NDF: 8373868.0/66



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: 0.001+/-0.018 χ^2/NDF:12.9/15

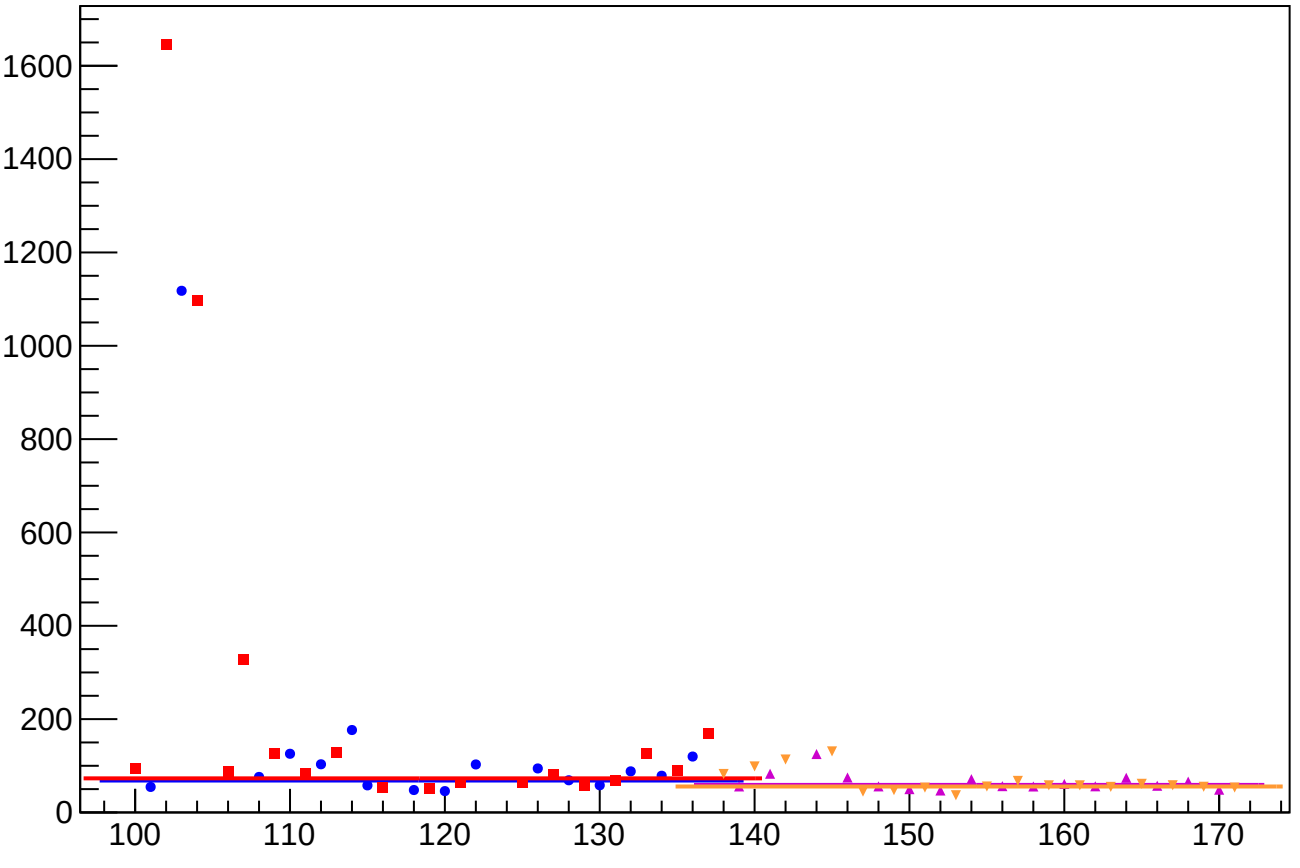
Left: 0.006+/-0.012 χ^2/NDF: 44.7/32

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.0/31

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.006+/-0.011 χ^2/NDF: 71.0/66



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: 59.021+/-0.013 χ^2/NDF:999973.8/15

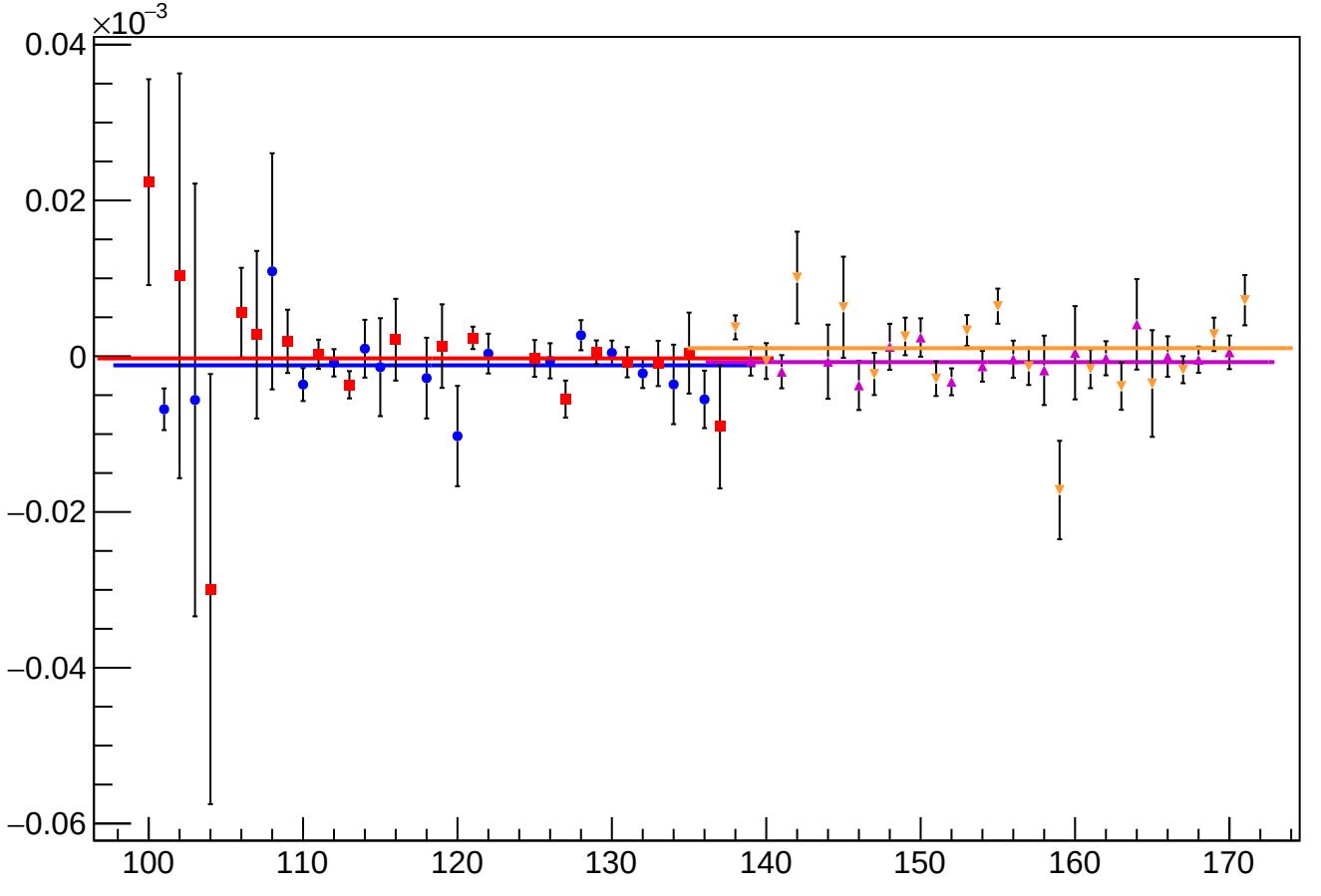
Left: 57.235+/-0.009 χ^2/NDF: 2624931.1/32

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 61.504+/-0.011 χ^2/NDF:3421417.3/31

Out: 59.257+/-0.011 χ^2/NDF:4931135.5/34

All: 60.366+/-0.008 χ^2/NDF: 8373868.0/66



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:6.9/15

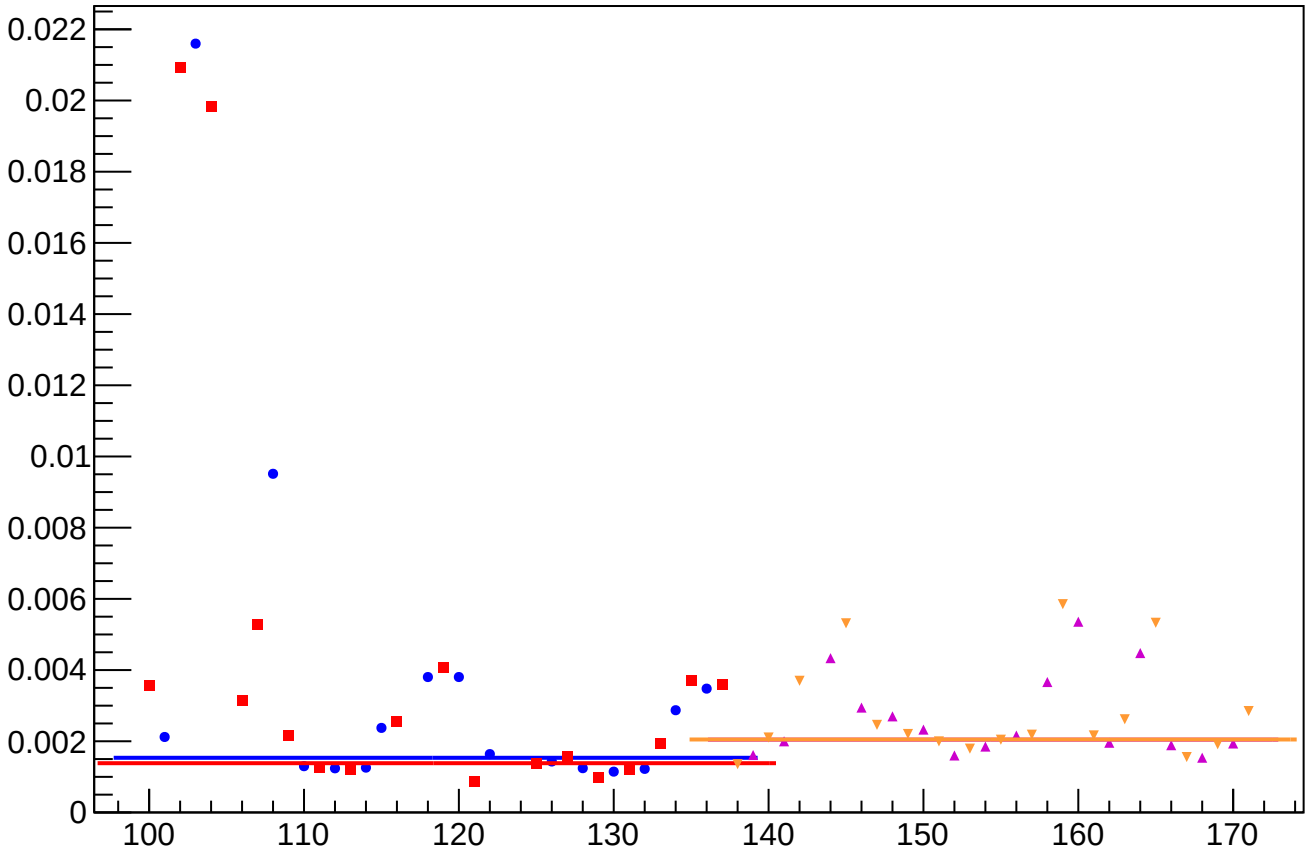
Left: 0.000+/-0.000 χ^2/NDF: 50.1/32

Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:23.4/31

Out: 0.000+/-0.000 χ^2/NDF:60.7/34

All: -0.000+/-0.000 χ^2/NDF: 88.8/66



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:2440913.5/15

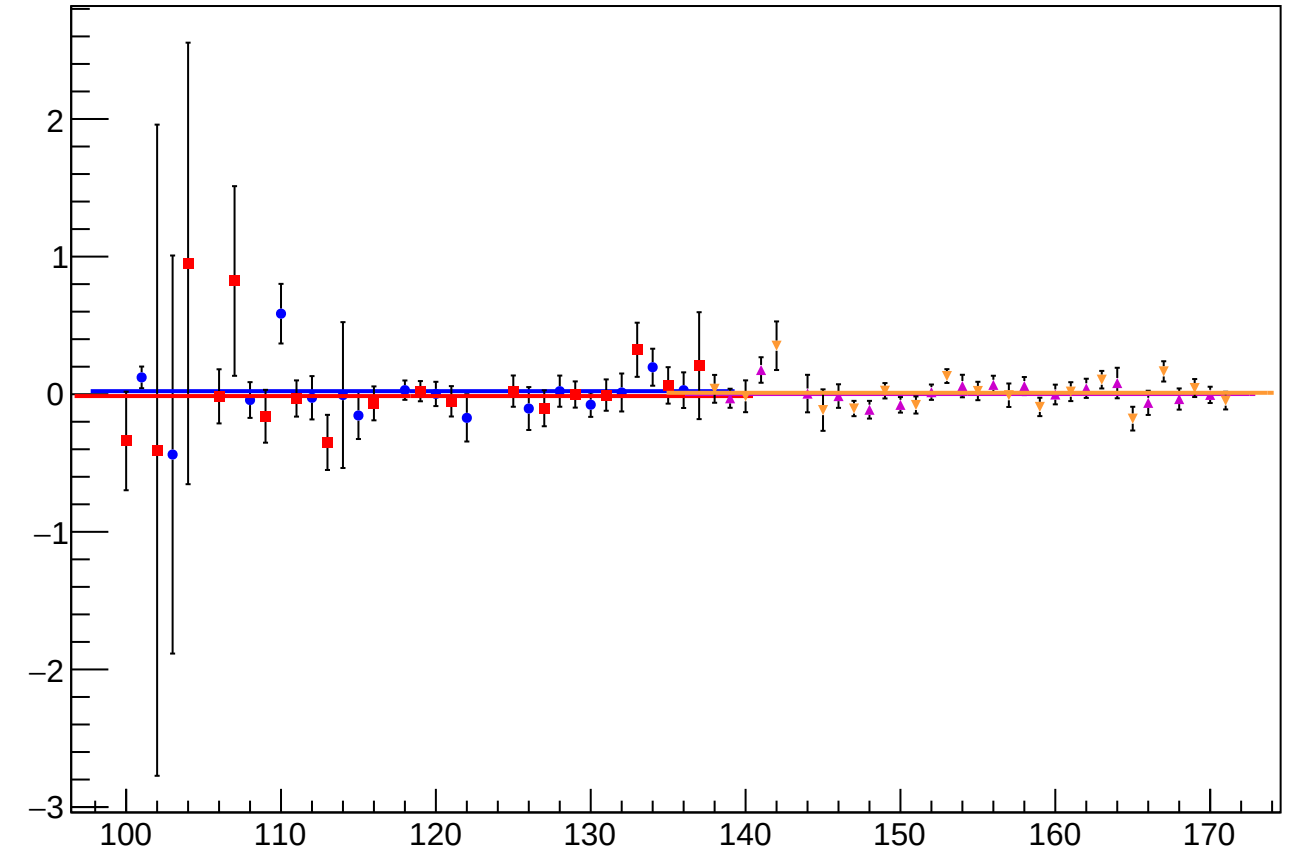
Left: 0.002+/-0.000 χ^2/NDF: 5152831.3/32

Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6458708.2/31

Out: 0.002+/-0.000 χ^2/NDF:8144866.2/34

All: 0.002+/-0.000 χ^2/NDF: 14636977.9/66



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: 0.001+/-0.018 χ^2/NDF:12.9/15

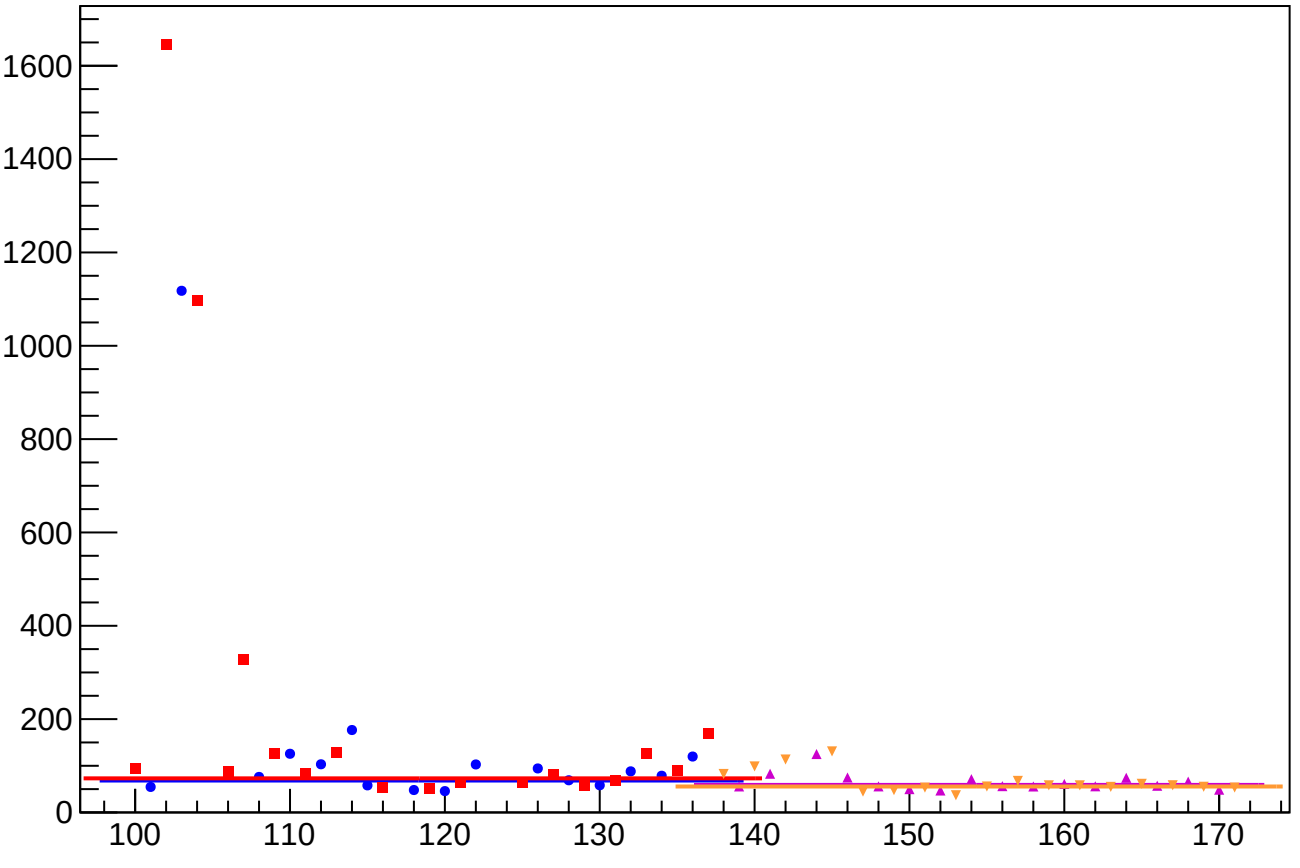
Left: 0.006+/-0.012 χ^2/NDF: 44.7/32

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.0/31

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.006+/-0.011 χ^2/NDF: 71.0/66



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: 59.021+/-0.013 χ^2/NDF:999944.7/15

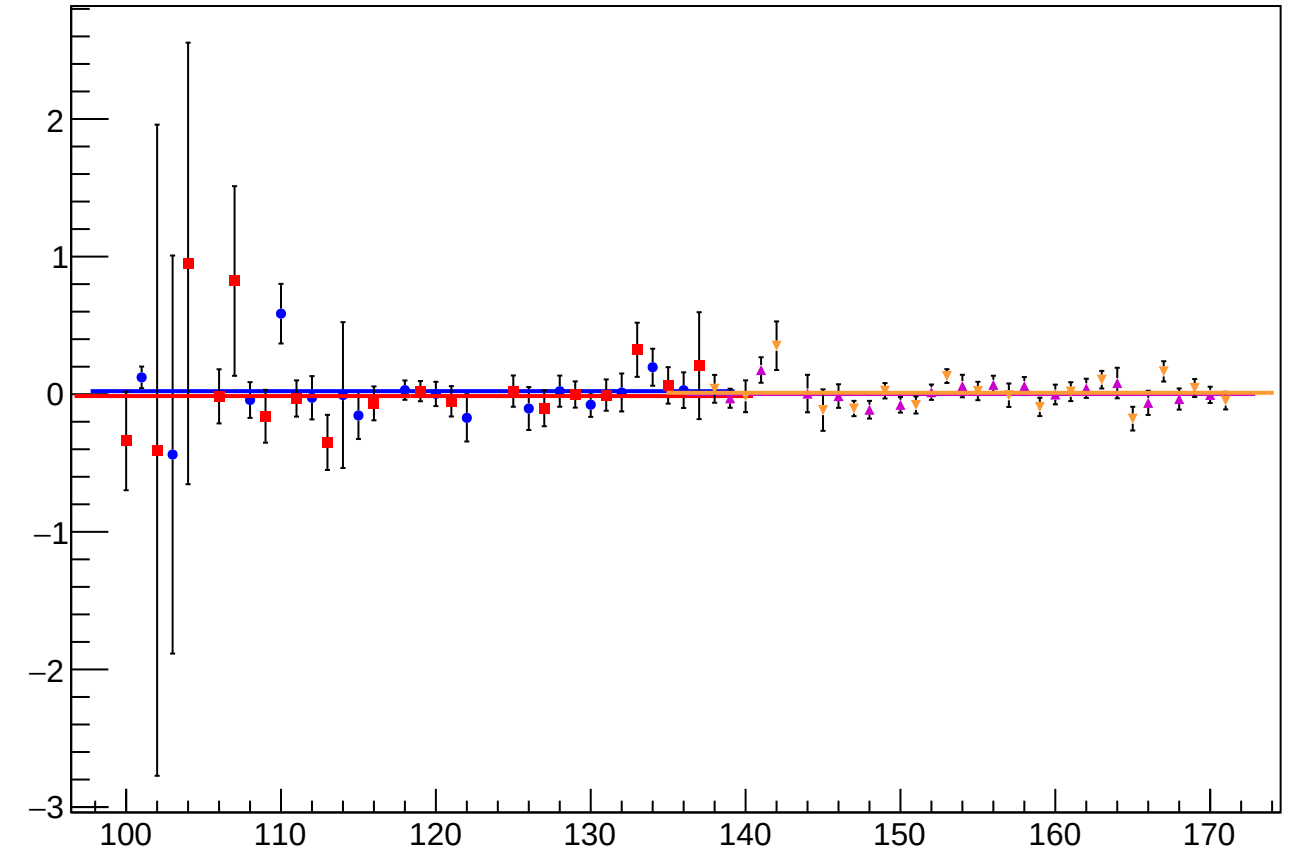
Left: 57.235+/-0.009 χ^2/NDF: 2624980.8/32

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.504+/-0.011 χ^2/NDF:3421437.6/31

Out: 59.257+/-0.011 χ^2/NDF:4931200.7/34

All: 60.366+/-0.008 χ^2/NDF: 8373954.8/66



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: 0.001+/-0.018 χ^2/NDF:12.9/15

Left: 0.006+/-0.012 χ^2/NDF: 44.7/32

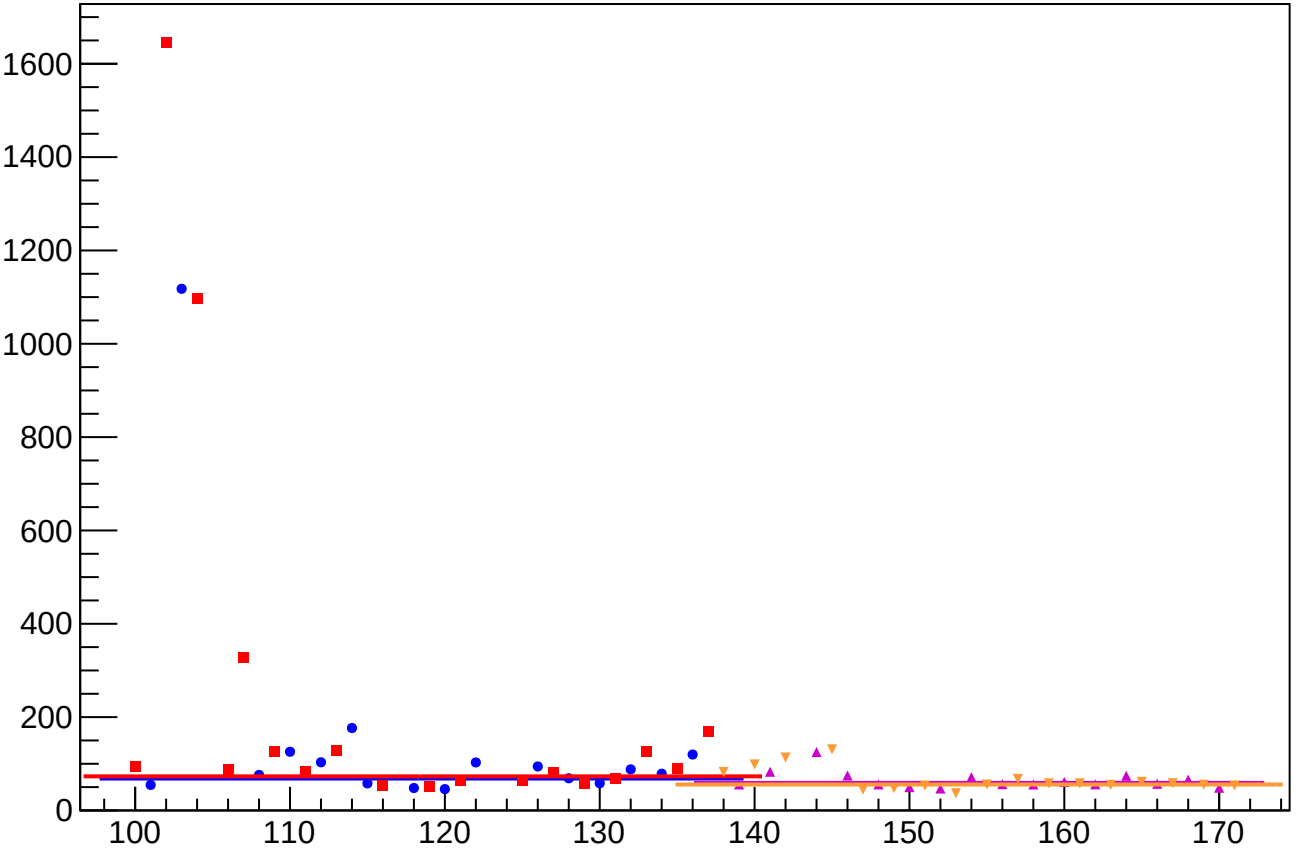
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.0/31

Out: 0.005+/-0.015 χ^2/NDF:42.9/34

All: 0.006+/-0.011 χ^2/NDF: 71.0/66

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: 59.021+/-0.013 χ^2/NDF:999944.7/15

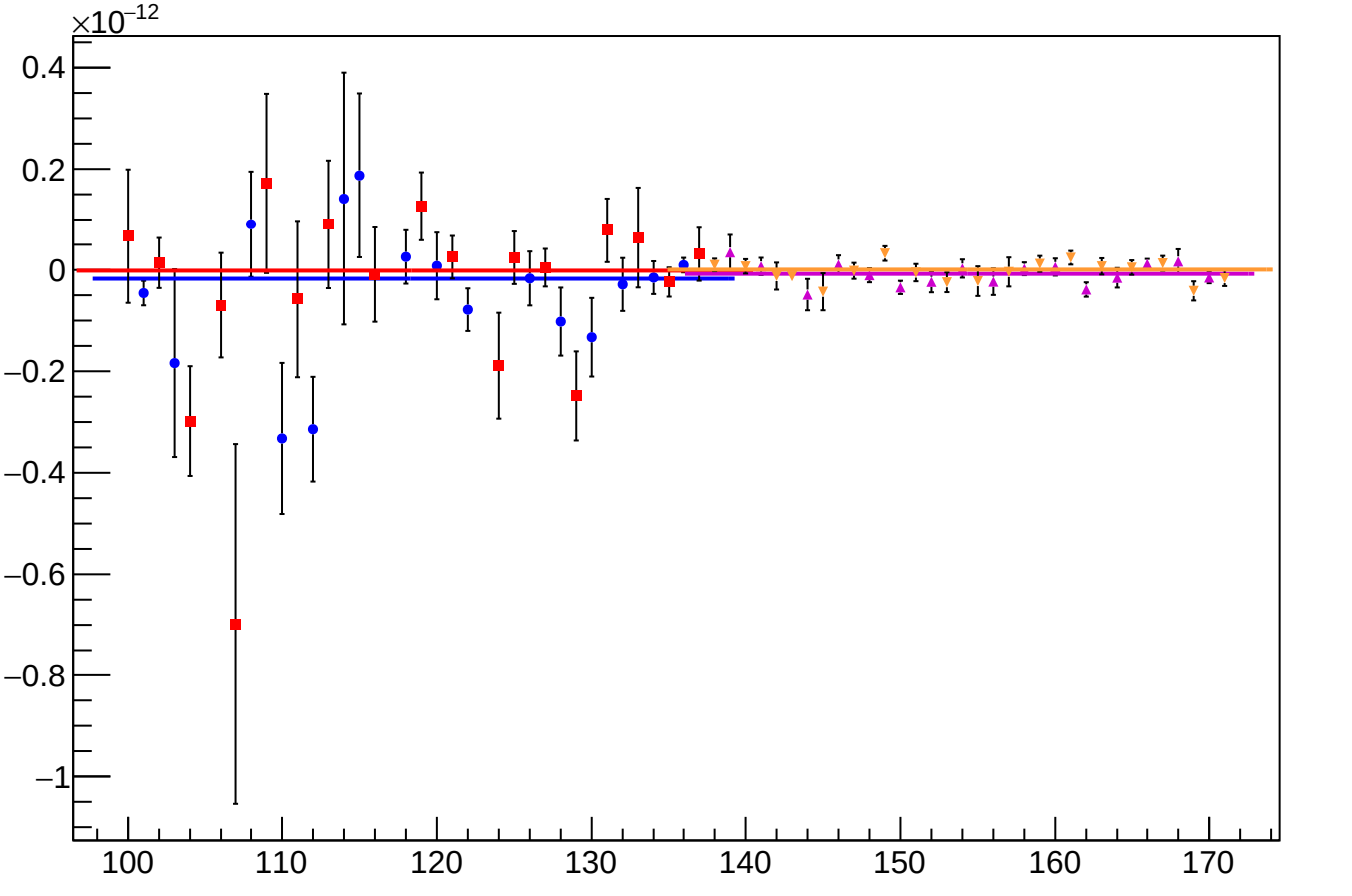
Left: 57.235+/-0.009 χ^2/NDF: 2624980.8/32

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 61.504+/-0.011 χ^2/NDF:3421437.6/31

Out: 59.257+/-0.011 χ^2/NDF:4931200.7/34

All: 60.366+/-0.008 χ^2/NDF: 8373954.8/66



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:21.8/15

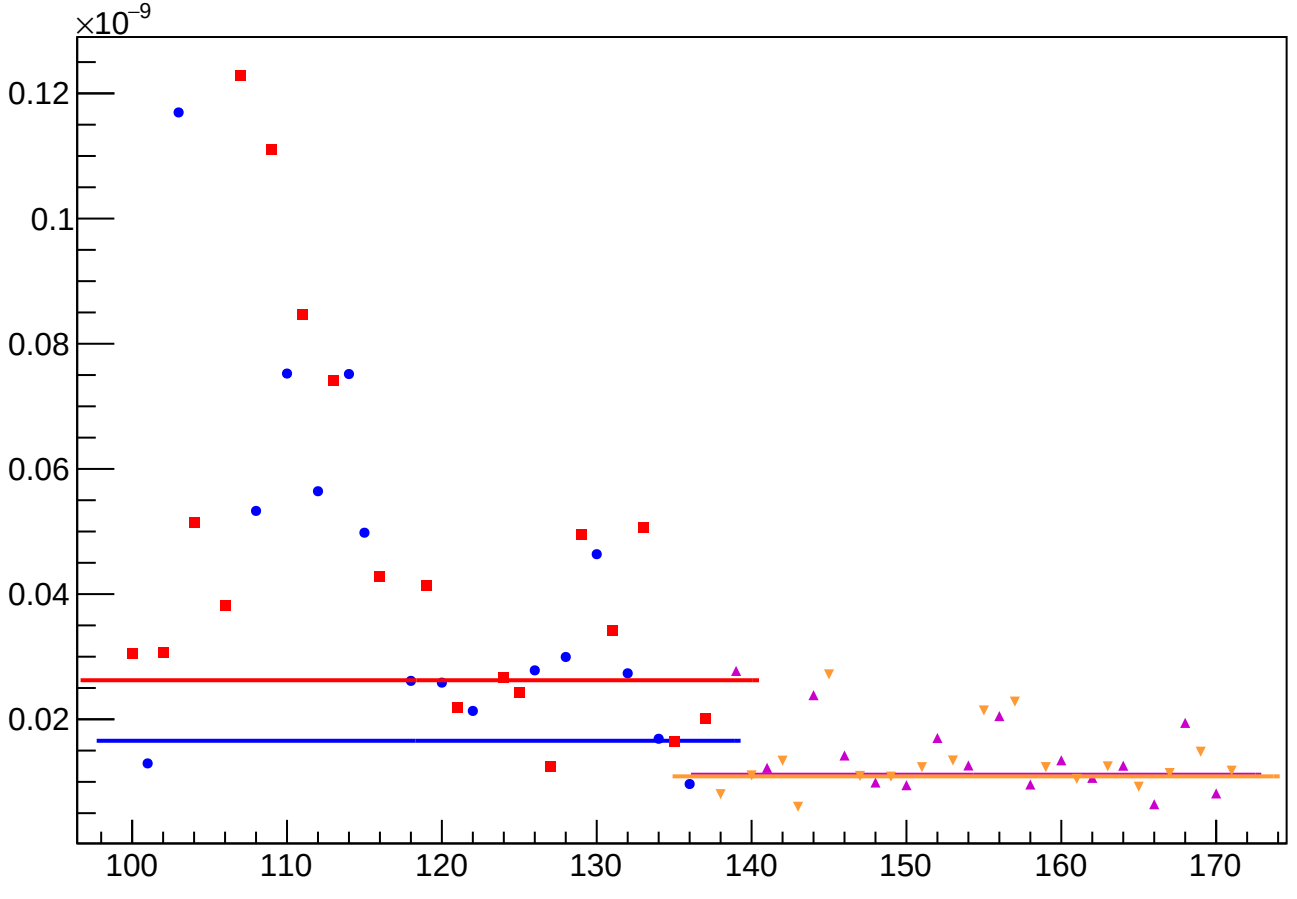
Left: -0.000+/-0.000 χ^2/NDF: 46.5/33

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:50.8/31

Out: 0.000+/-0.000 χ^2/NDF:54.7/36

All: -0.000+/-0.000 χ^2/NDF: 108.9/68



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:2216079.3/15

Left: 0.000+/-0.000 χ^2/NDF: 4093836.2/33

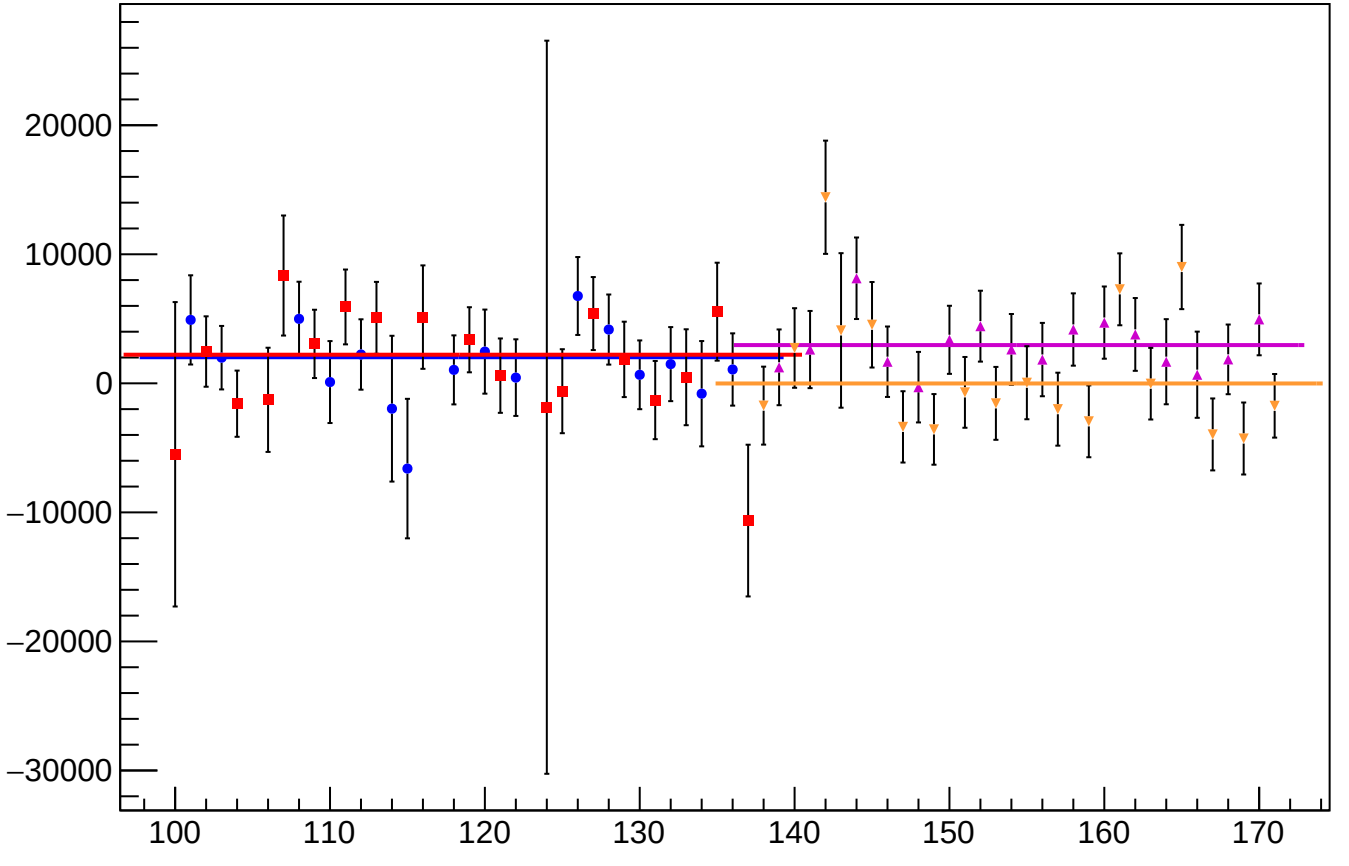
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5547526.8/31

Out: 0.000+/-0.000 χ^2/NDF:6390643.0/36

All: 0.000+/-0.000 χ^2/NDF: 11938223.1/68

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: 2963.697+/-714.697 χ^2/NDF:7.1/15

Left: 1437.680+/-498.761 χ^2/NDF: 54.8/33

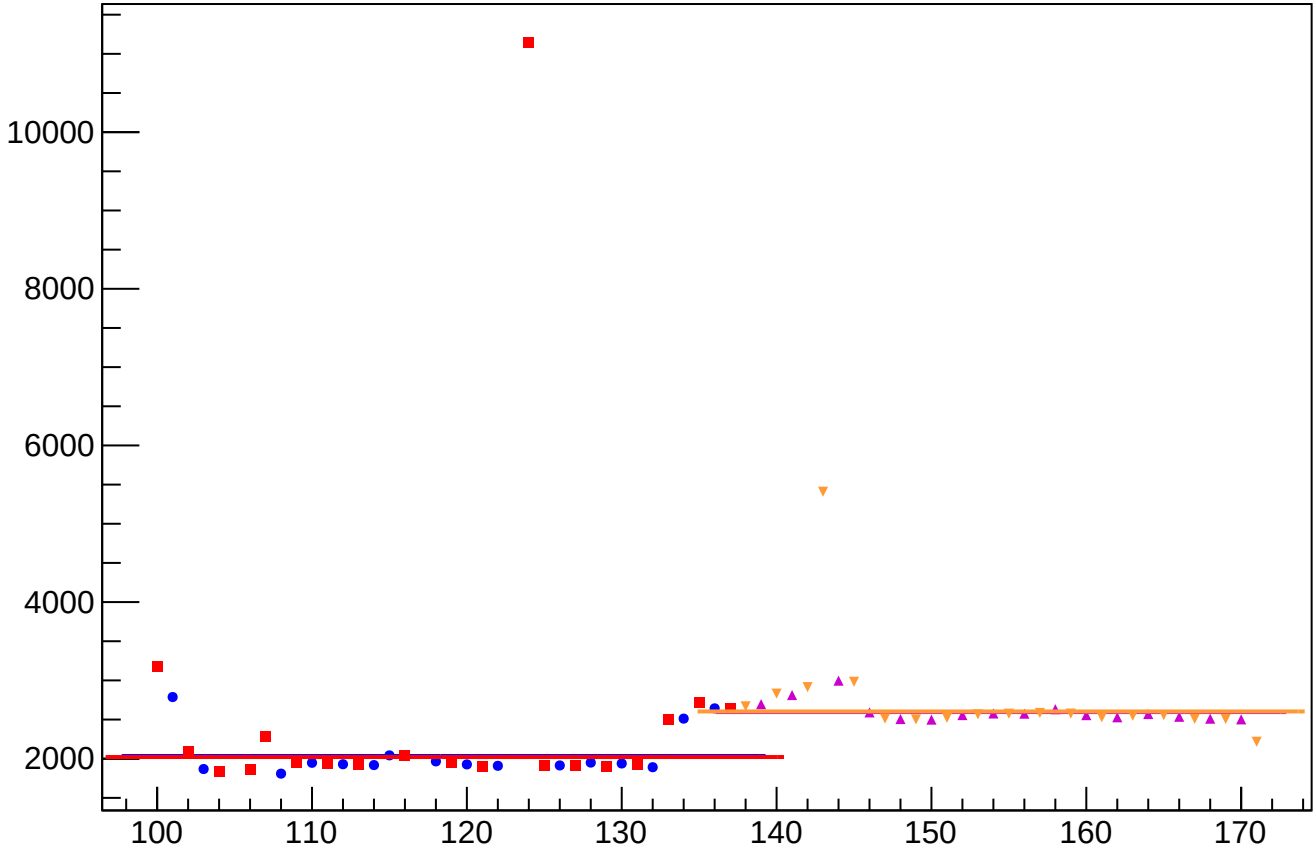
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2524.753+/-522.041 χ^2/NDF:17.6/31

Out: 1011.553+/-512.237 χ^2/NDF:61.6/36

All: 1753.810+/-365.623 χ^2/NDF: 83.4/68

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: 2595.611+/-0.505 χ^2/NDF:57381.9/15

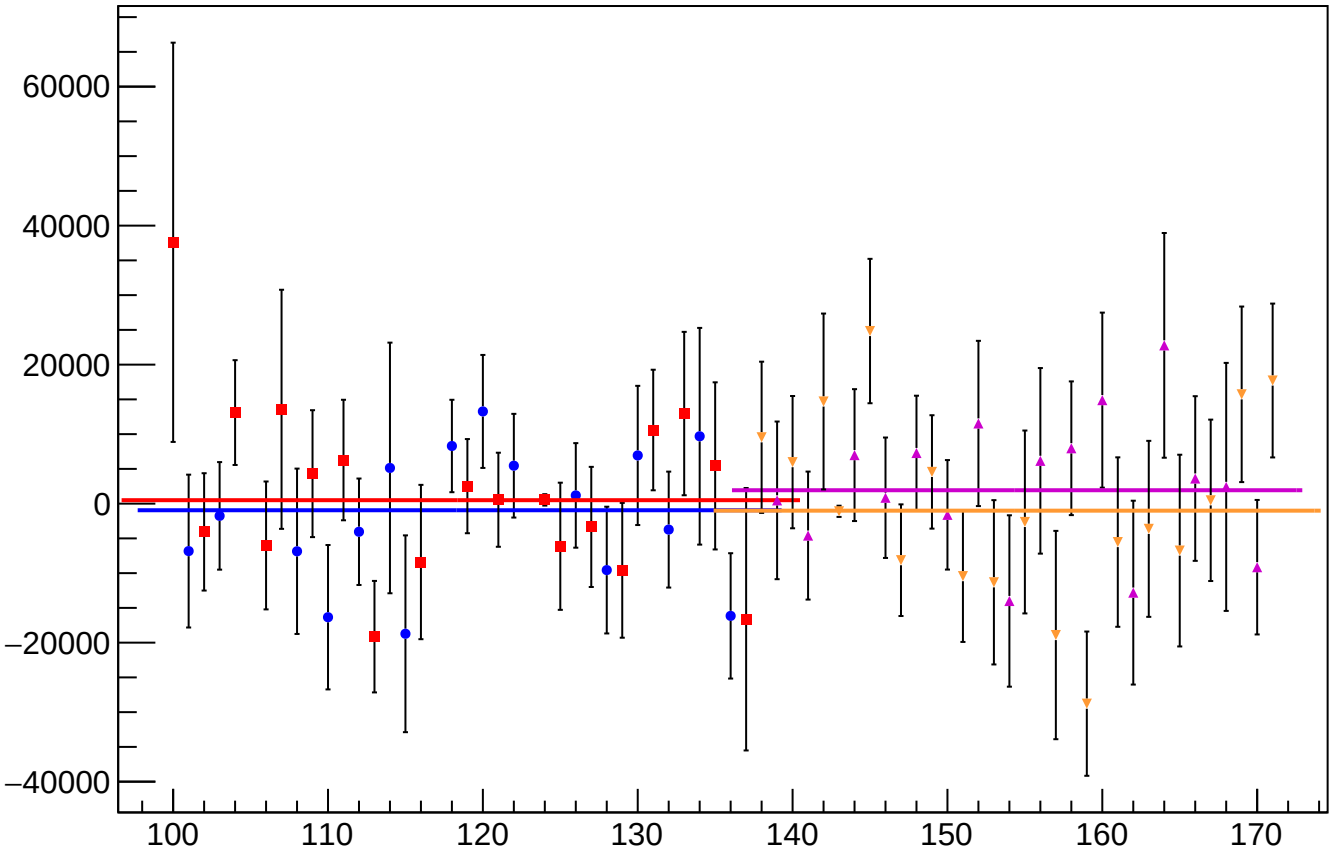
Left: 2599.678+/-0.353 χ^2/NDF: 608936.6/33

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2333.715+/-0.369 χ^2/NDF:896084.9/31

Out: 2336.450+/-0.362 χ^2/NDF:1582849.4/36

All: 2335.108+/-0.259 χ^2/NDF: 2478962.2/68



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: 1929.109+/-2656.579 χ^2/NDF:9.6/15

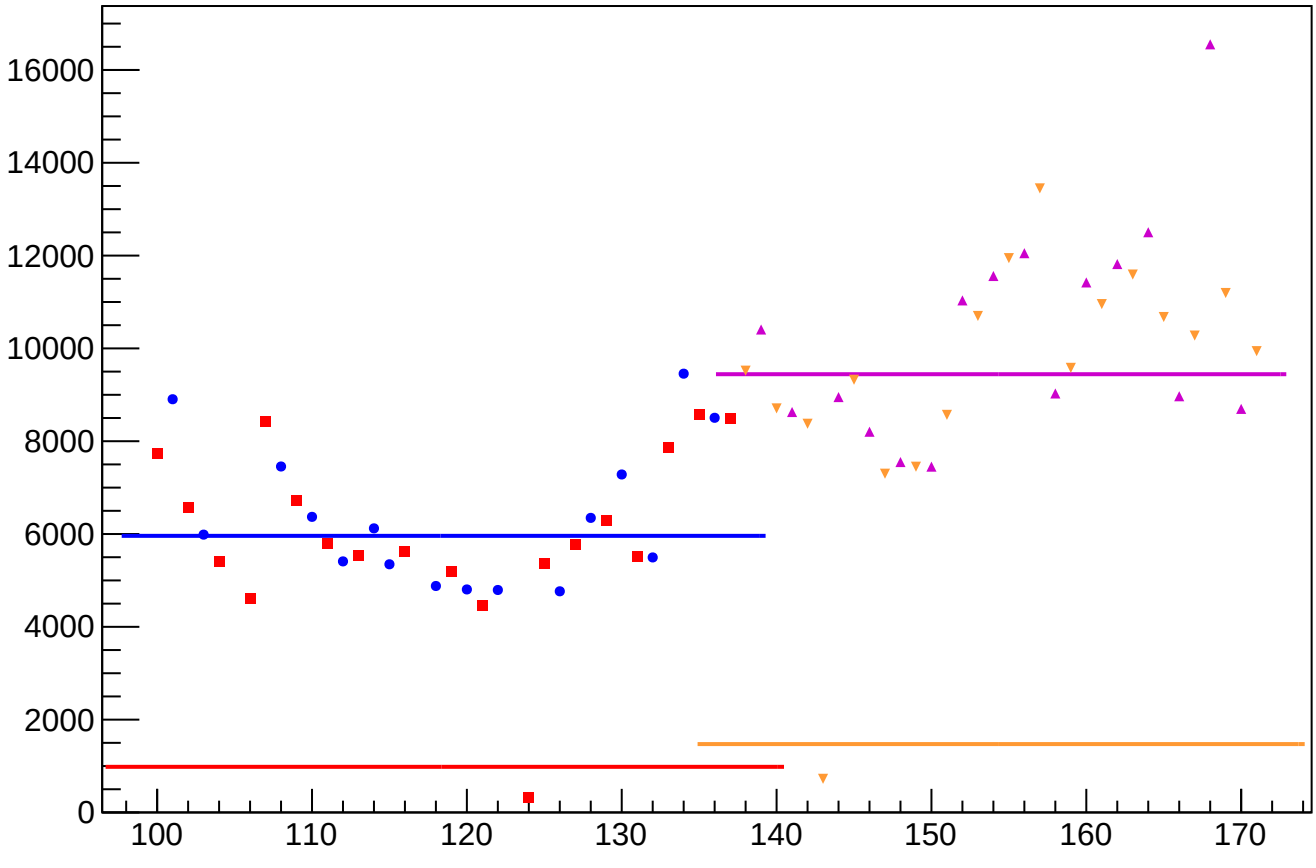
Left: -781.153+/-741.236 χ^2/NDF: 36.5/33

Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: 269.992+/-1729.519 χ^2/NDF:25.6/31

Out: -252.782+/-544.531 χ^2/NDF:46.2/36

All: -205.634+/-519.396 χ^2/NDF: 71.8/68



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: 9443.889+/-1.878 χ^2/NDF:1002529.5/15

Left: 2093.903+/-0.524 χ^2/NDF: 38425434.9/33

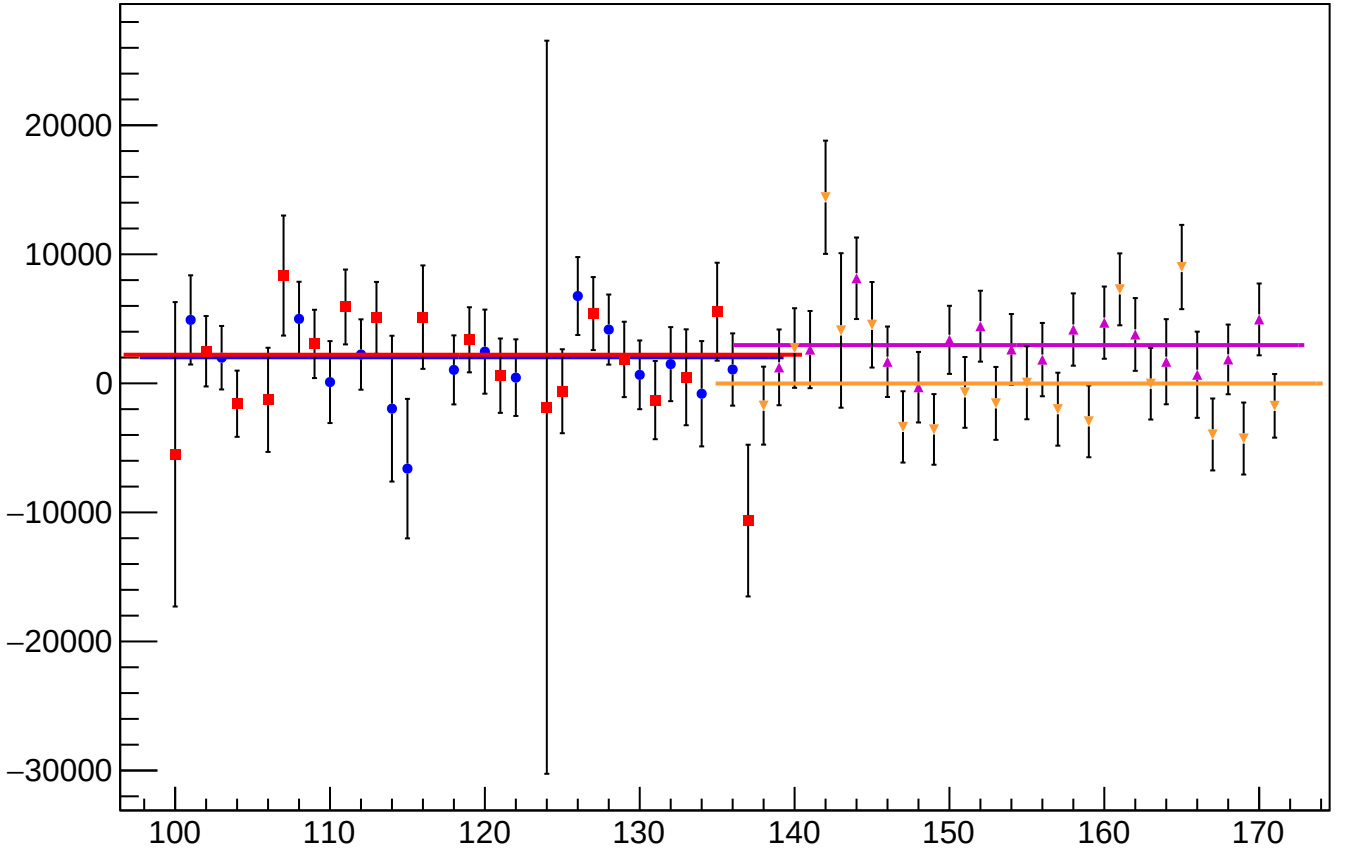
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7437.085+/-1.223 χ^2/NDF:3672656.7/31

Out: 1227.205+/-0.385 χ^2/NDF:32642722.2/36

All: 1787.257+/-0.367 χ^2/NDF: 59773733.3/6

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: 2963.809+/-714.697 χ^2/NDF:7.1/15

Left: 1437.747+/-498.761 χ^2/NDF: 54.8/33

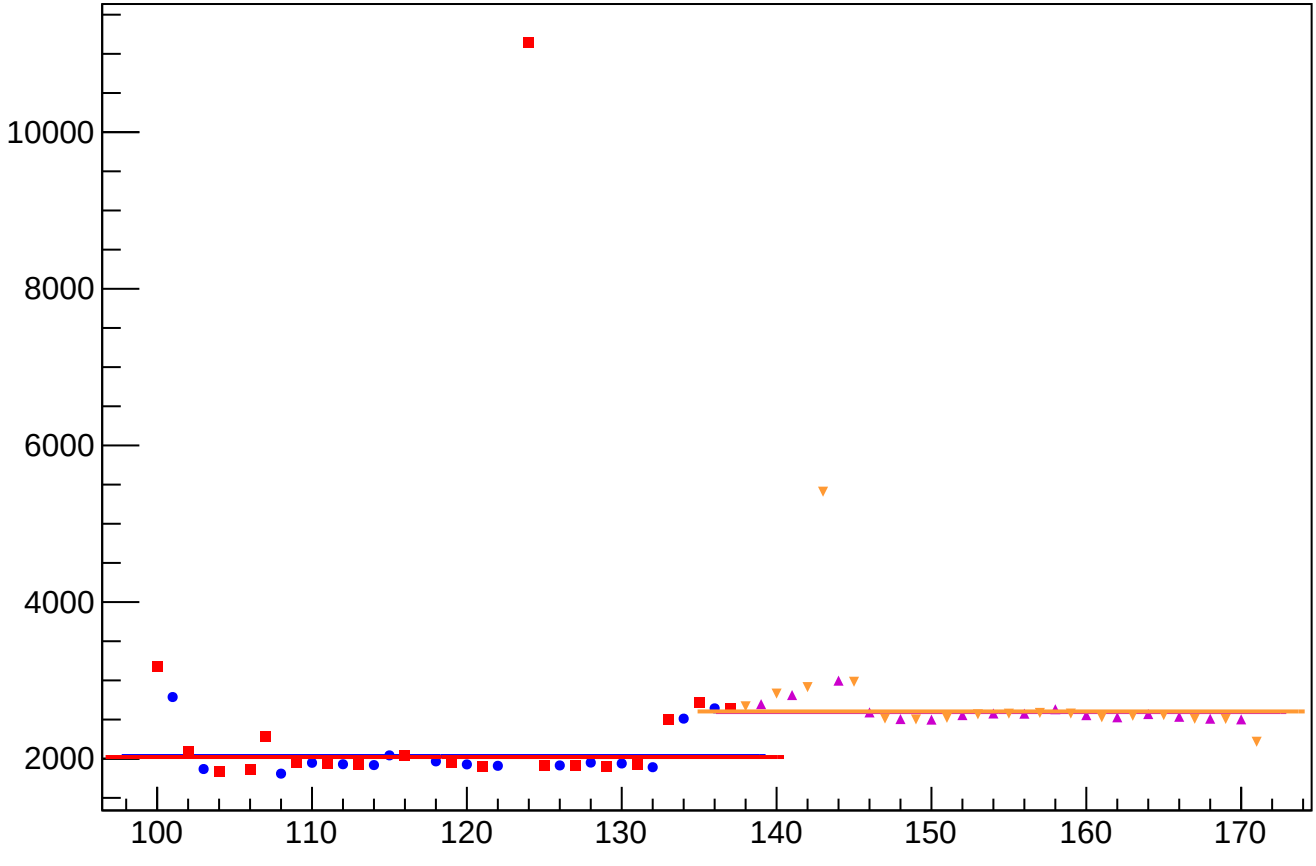
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2524.872+/-522.041 χ^2/NDF:17.6/31

Out: 1012.397+/-512.239 χ^2/NDF:61.6/36

All: 1754.302+/-365.624 χ^2/NDF: 83.4/68

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: 2595.611+/-0.505 χ^2/NDF:57381.9/15

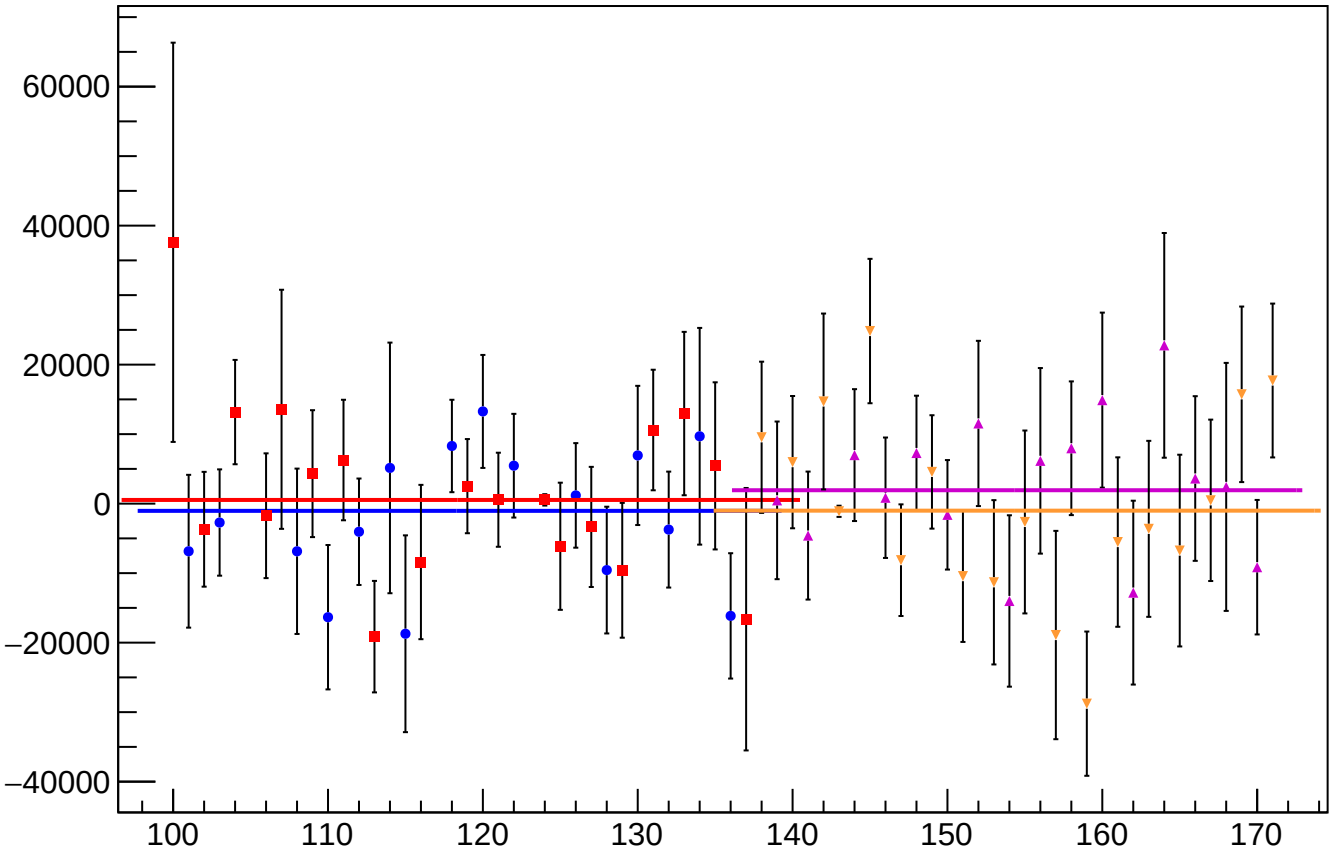
Left: 2599.678+/-0.353 χ^2/NDF: 608936.6/33

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2333.715+/-0.369 χ^2/NDF:896085.1/31

Out: 2336.463+/-0.362 χ^2/NDF:1582806.7/36

All: 2335.115+/-0.259 χ^2/NDF: 2478920.0/68



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: 1929.250+/-2656.576 χ^2/NDF:9.6/15

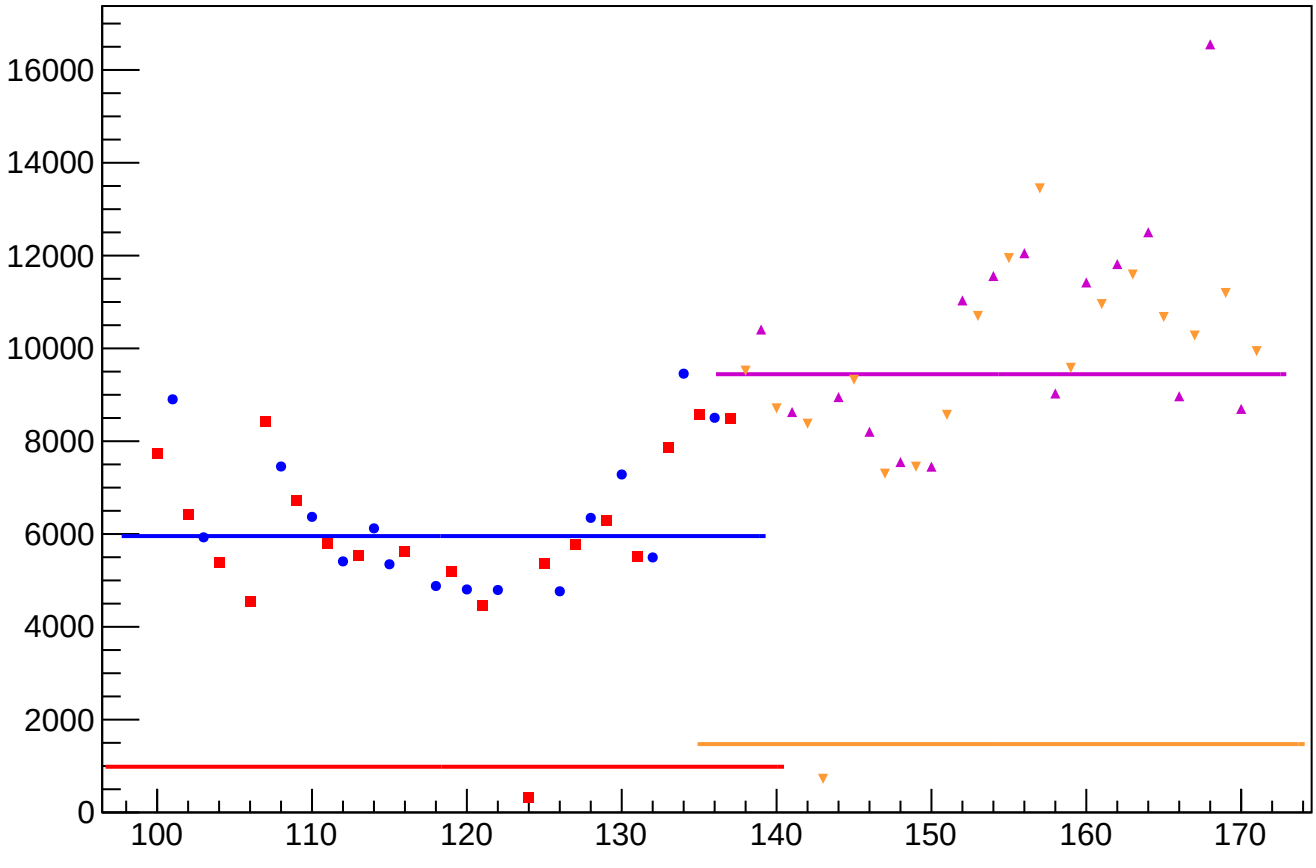
Left: -780.979+/-741.175 χ^2/NDF: 36.5/33

Right: 370.358+/-727.649 χ^2/NDF: 33.8/34

In: 218.188+/-1728.490 χ^2/NDF:25.6/31

Out: -235.666+/-544.386 χ^2/NDF:45.9/36

All: -194.709+/-519.242 χ^2/NDF: 71.6/68



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: 9443.877+/-1.878 χ^2/NDF:1002537.2/15

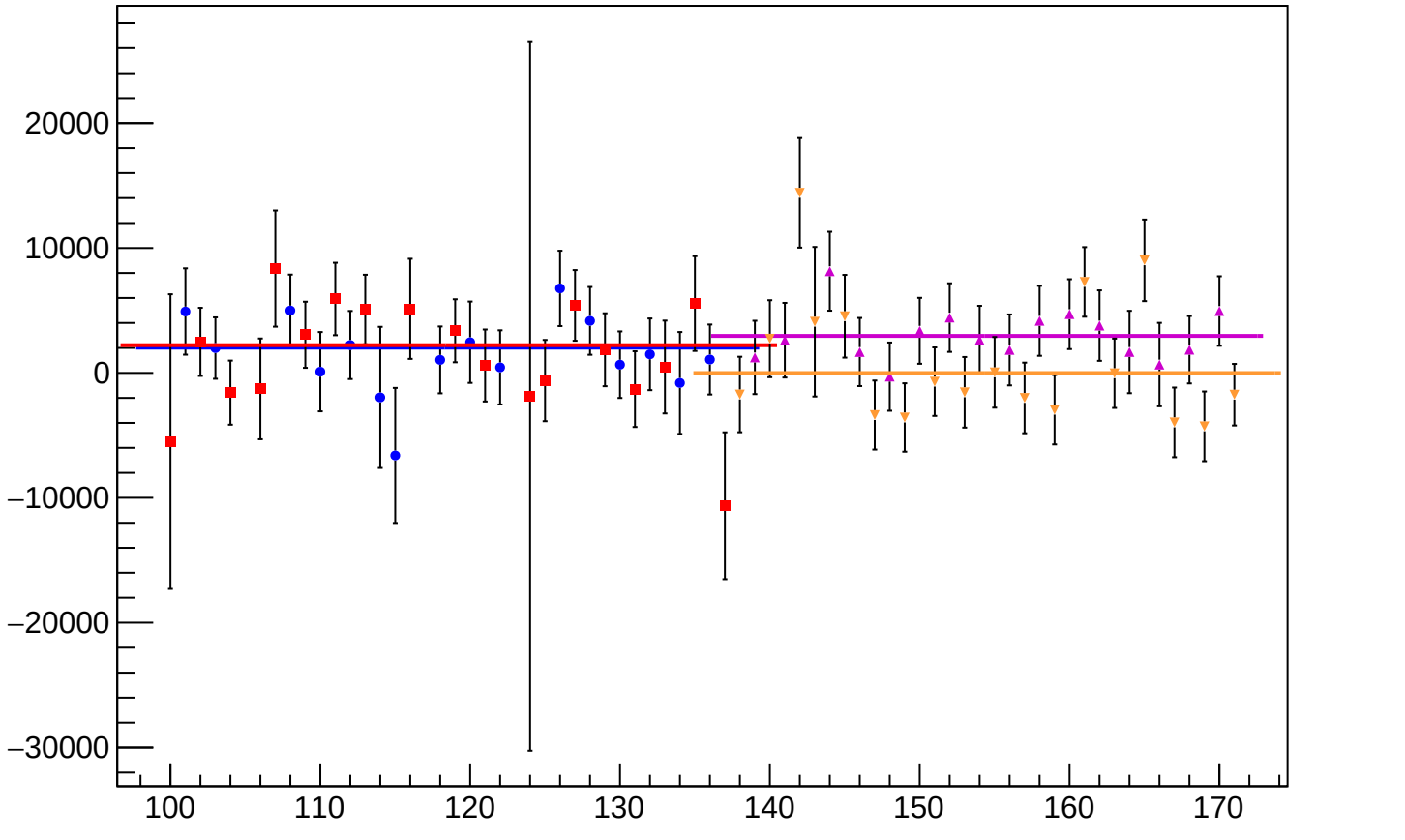
Left: 2093.622+/-0.524 χ^2/NDF: 38427119.6/33

Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7432.348+/-1.222 χ^2/NDF:3680143.9/31

Out: 1227.889+/-0.385 χ^2/NDF:32636562.1/36

All: 1787.789+/-0.367 χ^2/NDF: 59760637.0/6



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: 2963.809+/-714.697 χ^2/NDF:7.1/15

Left: 1437.747+/-498.761 χ^2/NDF: 54.8/33

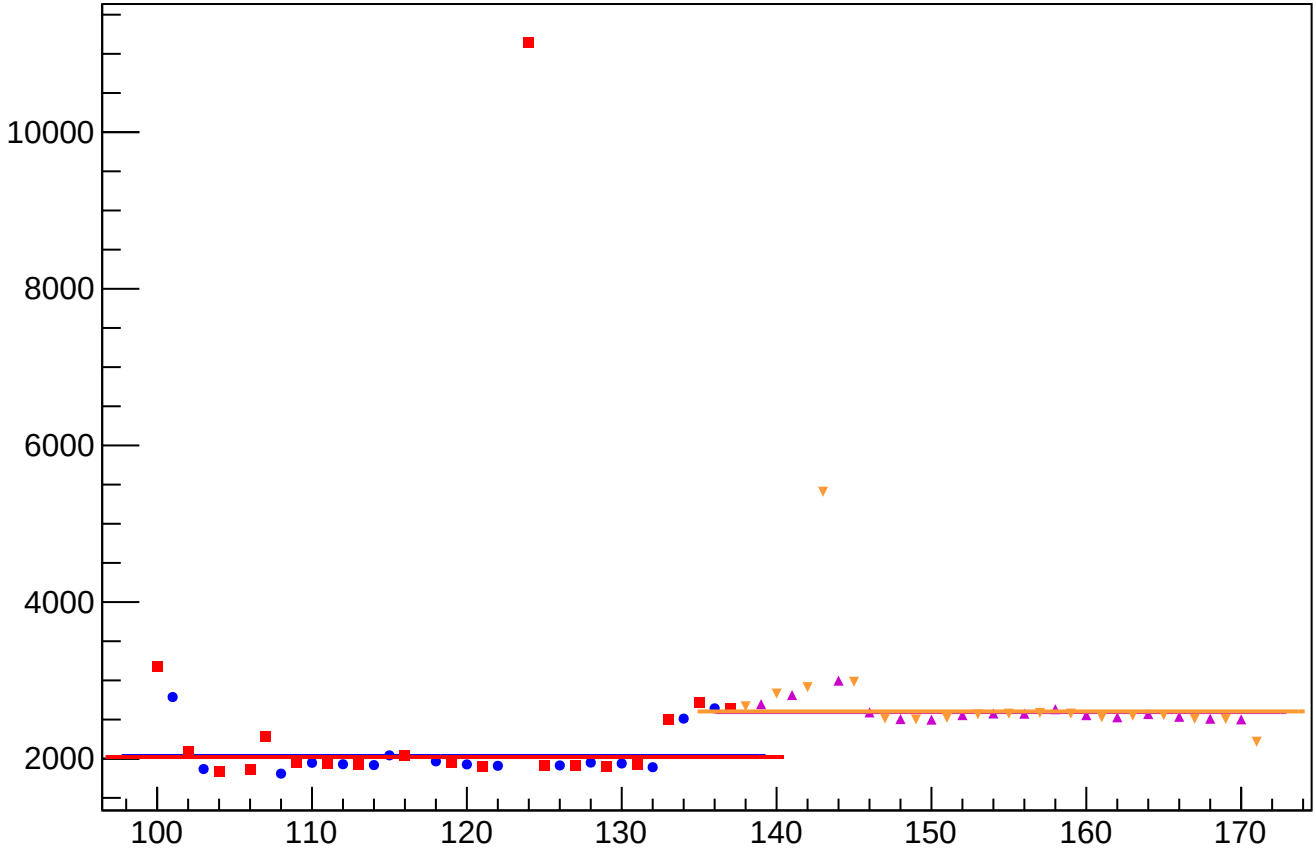
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2524.872+/-522.041 χ^2/NDF:17.6/31

Out: 1012.397+/-512.239 χ^2/NDF:61.6/36

All: 1754.302+/-365.624 χ^2/NDF: 83.4/68

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: 2595.611+/-0.505 χ^2/NDF:57381.9/15

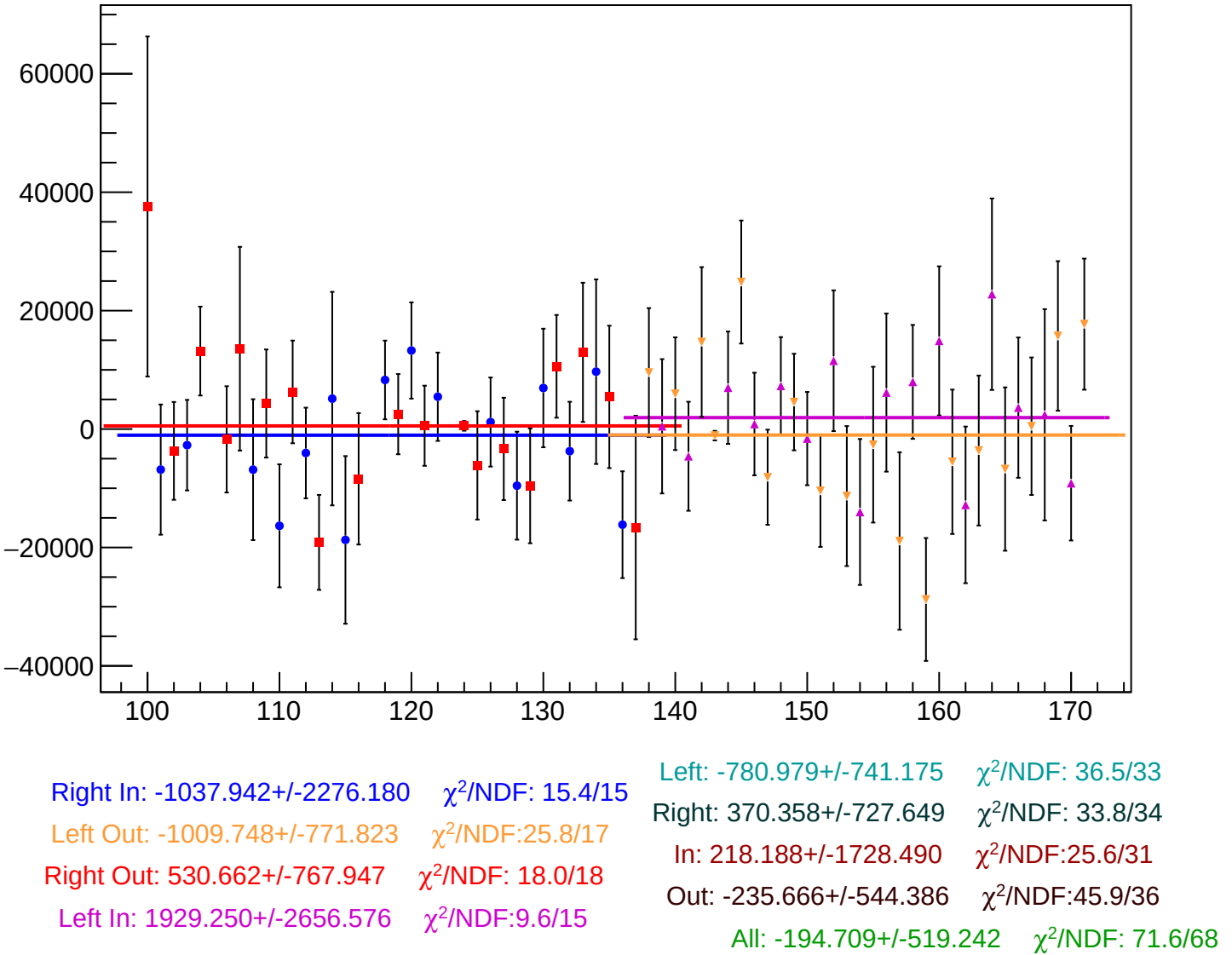
Left: 2599.678+/-0.353 χ^2/NDF: 608936.6/33

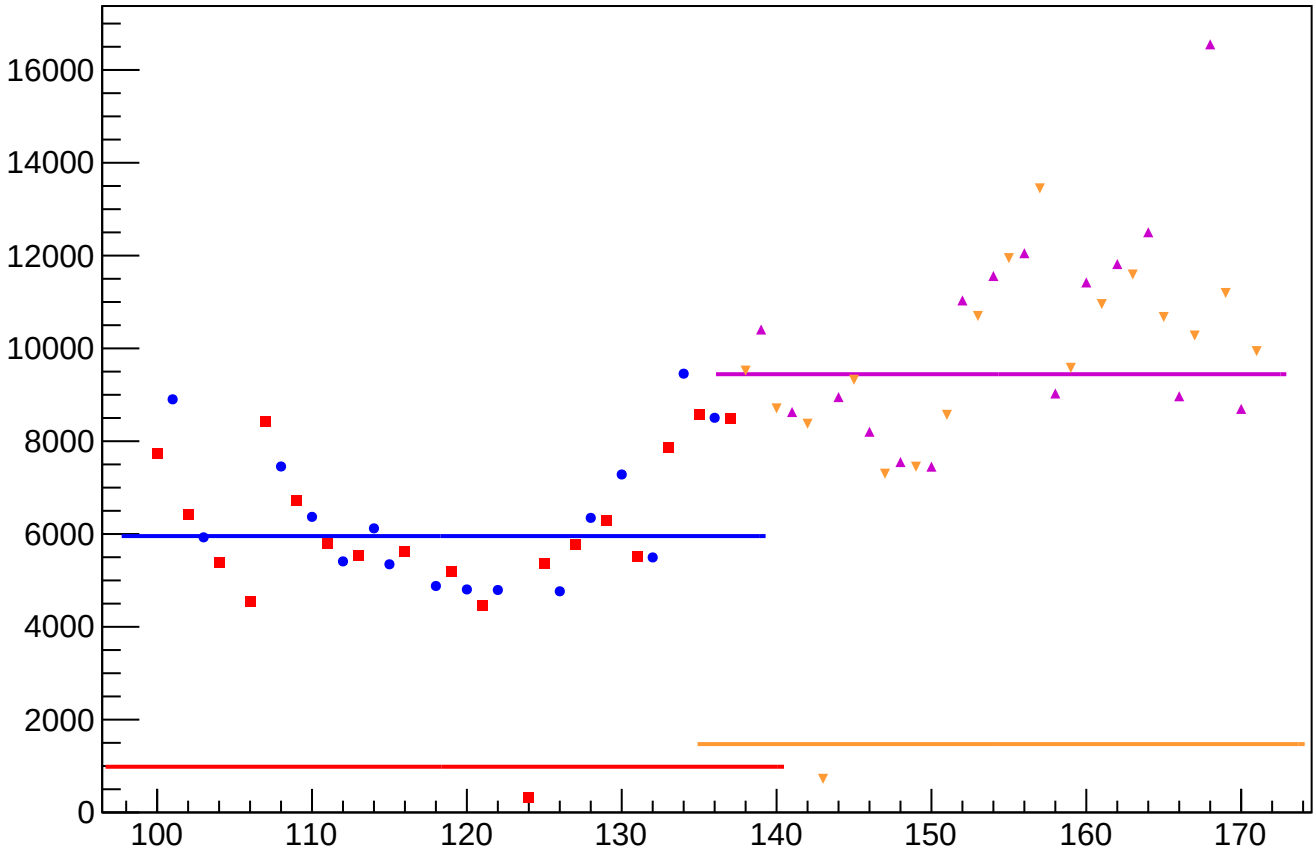
Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2333.715+/-0.369 χ^2/NDF:896085.1/31

Out: 2336.463+/-0.362 χ^2/NDF:1582806.7/36

All: 2335.115+/-0.259 χ^2/NDF: 2478920.0/68


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1009.748+/-771.823 χ²/NDF:25.8/17
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 1929.250+/-2656.576 χ²/NDF:9.6/15
Left: -780.979+/-741.175 χ²/NDF: 36.5/33
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: 218.188+/-1728.490 χ²/NDF:25.6/31
Out: -235.666+/-544.386 χ²/NDF:45.9/36
All: -194.709+/-519.242 χ²/NDF: 71.6/68



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: 9443.877+/-1.878 χ^2/NDF:1002537.2/15

Left: 2093.622+/-0.524 χ^2/NDF: 38427119.6/33

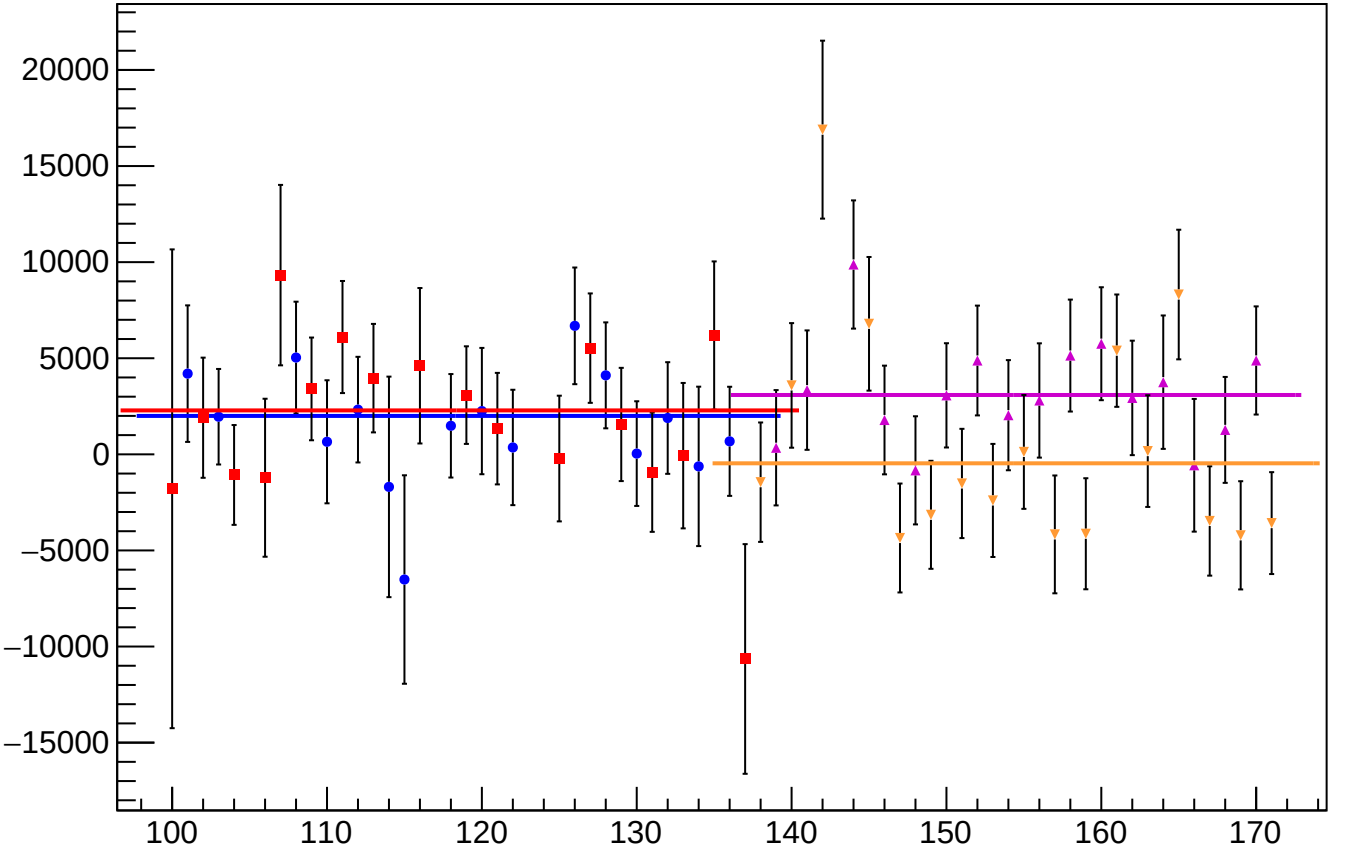
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7432.348+/-1.222 χ^2/NDF:3680143.9/31

Out: 1227.889+/-0.385 χ^2/NDF:32636562.1/36

All: 1787.789+/-0.367 χ^2/NDF: 59760637.0/6

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: 3088.172+/-741.114 χ^2/NDF:11.0/15

Left: 1284.820+/-520.223 χ^2/NDF: 64.3/32

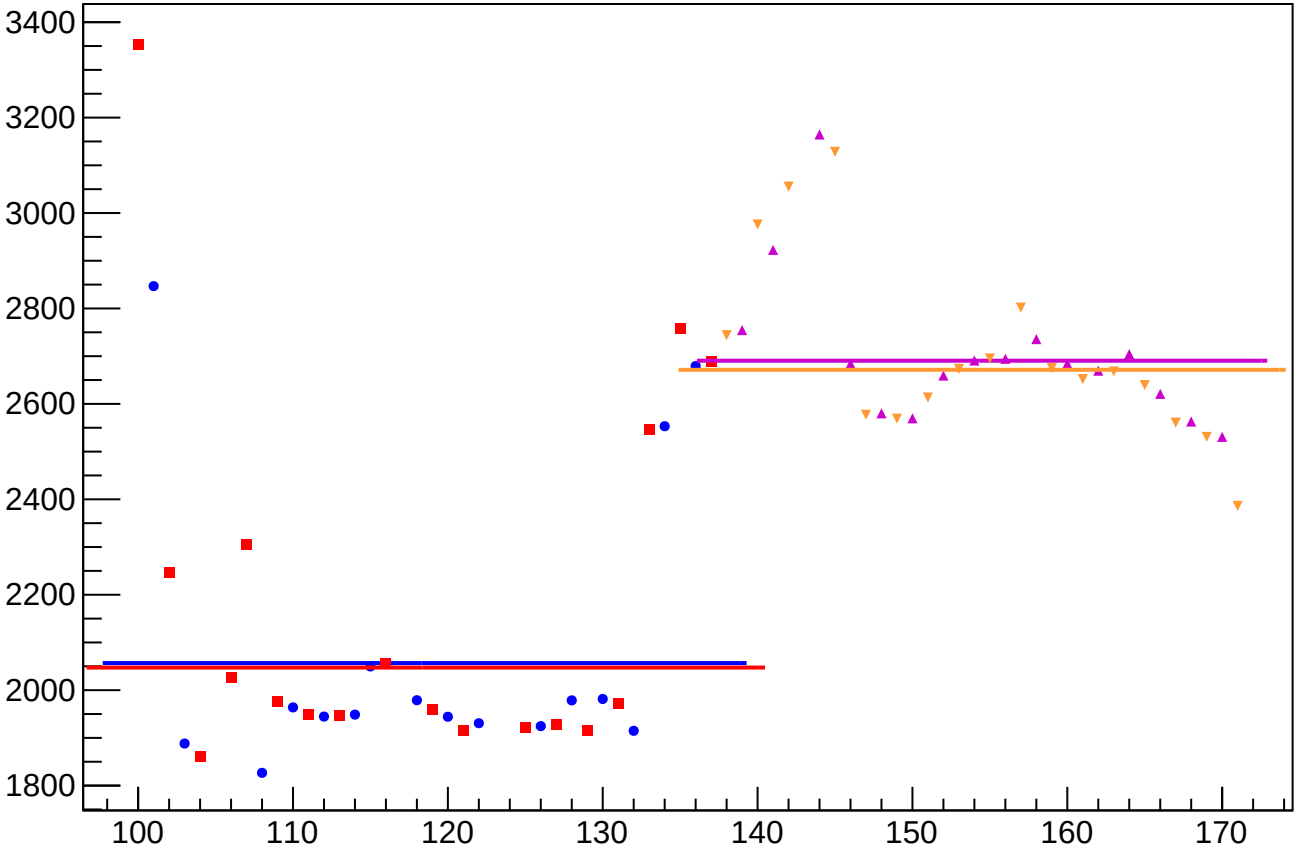
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2566.993+/-535.142 χ^2/NDF:21.0/31

Out: 834.642+/-530.347 χ^2/NDF:65.0/34

All: 1693.021+/-376.696 χ^2/NDF: 91.3/66

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: 2690.520+/-0.524 χ^2/NDF:71936.9/15

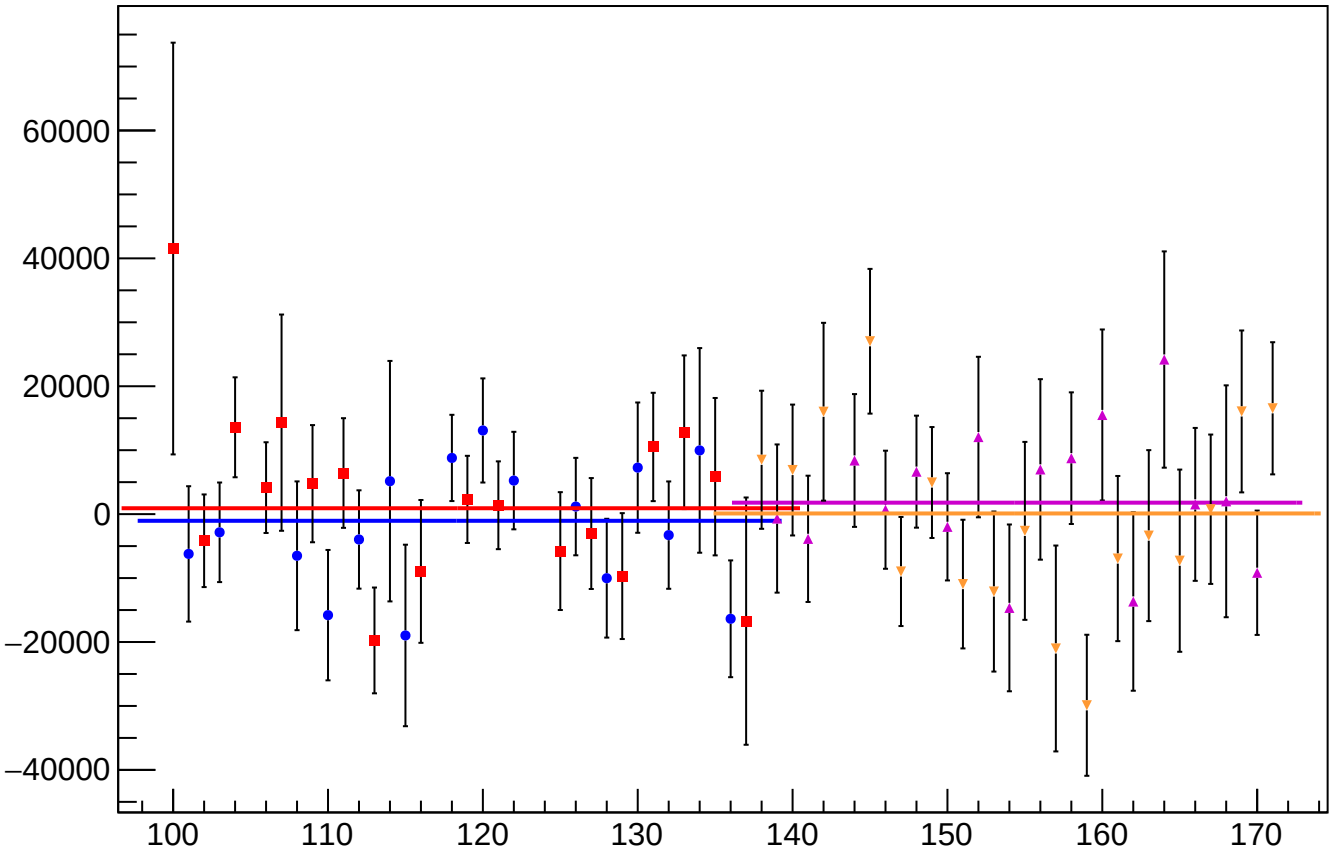
Left: 2680.828+/-0.368 χ^2/NDF: 180559.8/32

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2387.217+/-0.378 χ^2/NDF:1042291.7/31

Out: 2375.912+/-0.375 χ^2/NDF:995731.3/34

All: 2381.510+/-0.266 χ^2/NDF: 2038473.6/66



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: 1790.455+/-2800.796 χ^2/NDF:9.5/15

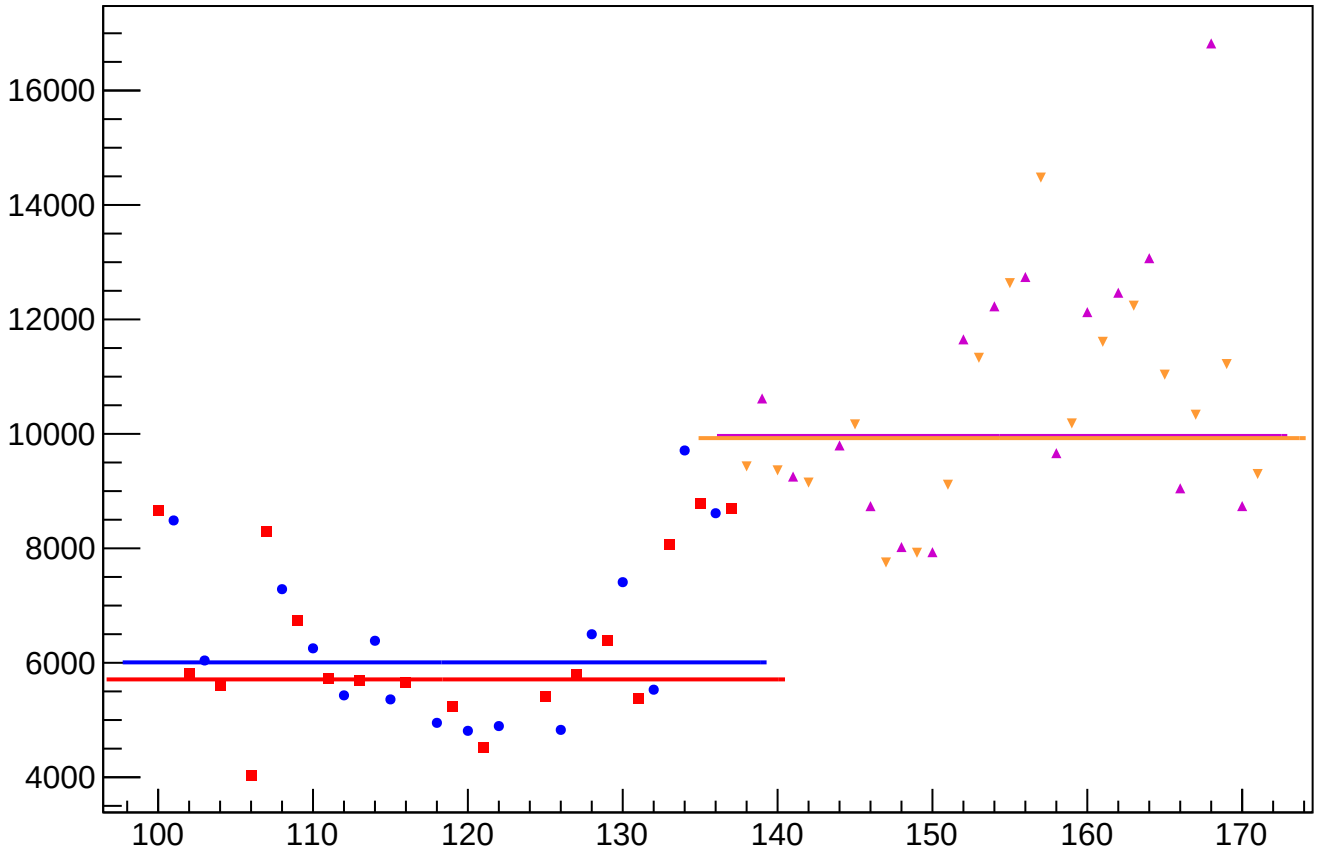
Left: 936.023+/-1966.579 χ^2/NDF: 35.2/32

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: 95.287+/-1774.981 χ^2/NDF:25.4/31

Out: 612.164+/-1697.003 χ^2/NDF:43.9/34

All: 365.328+/-1226.603 χ^2/NDF: 69.4/66



Right In: 6007.425+/-1.623 χ^2/NDF: 653996.7/15

Left Out: 9925.937+/-1.953 χ^2/NDF:665482.8/16

Right Out: 5709.903+/-1.521 χ^2/NDF: 535926.2/17

Left In: 9963.734+/-1.980 χ^2/NDF:957510.6/15

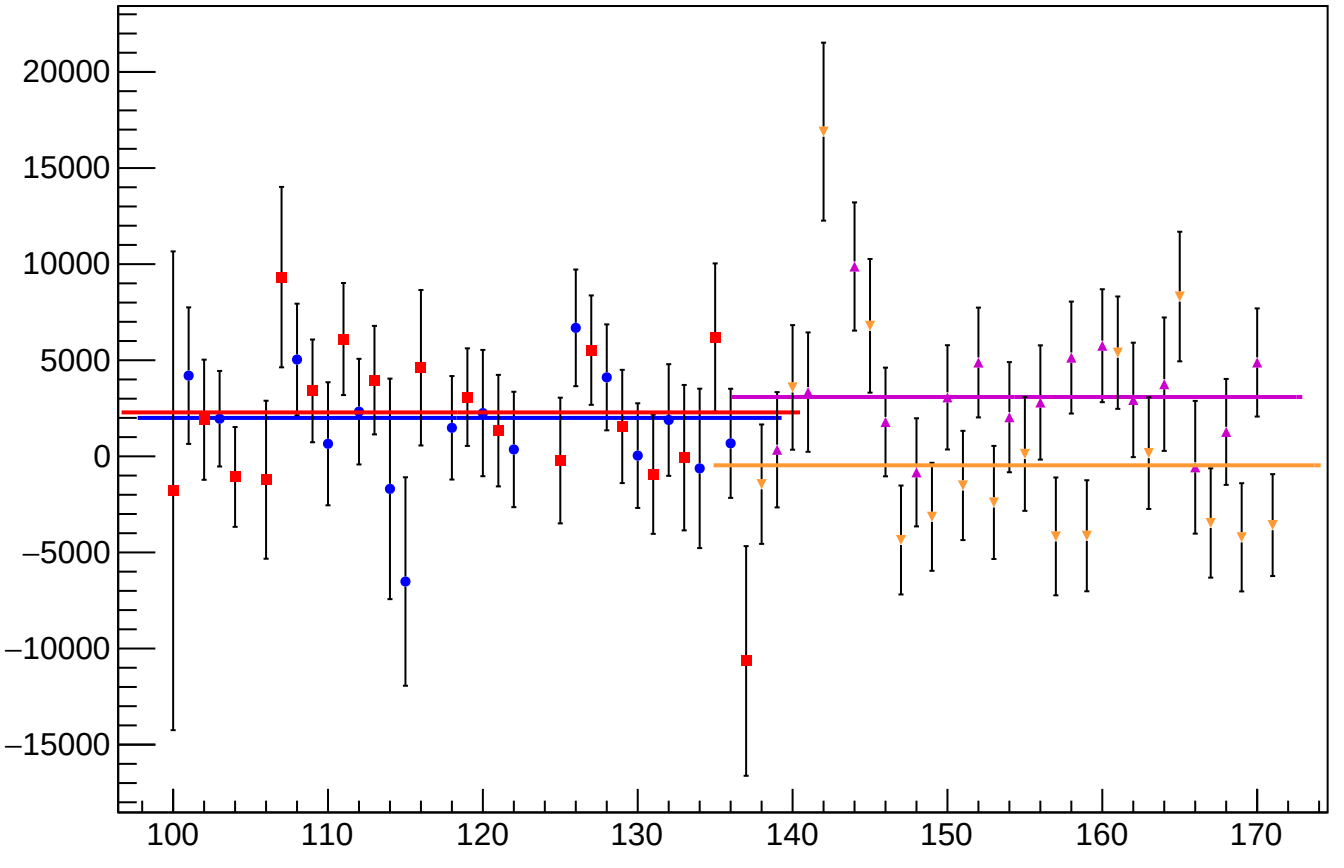
Left: 9944.571+/-1.391 χ^2/NDF: 1623178.1/32

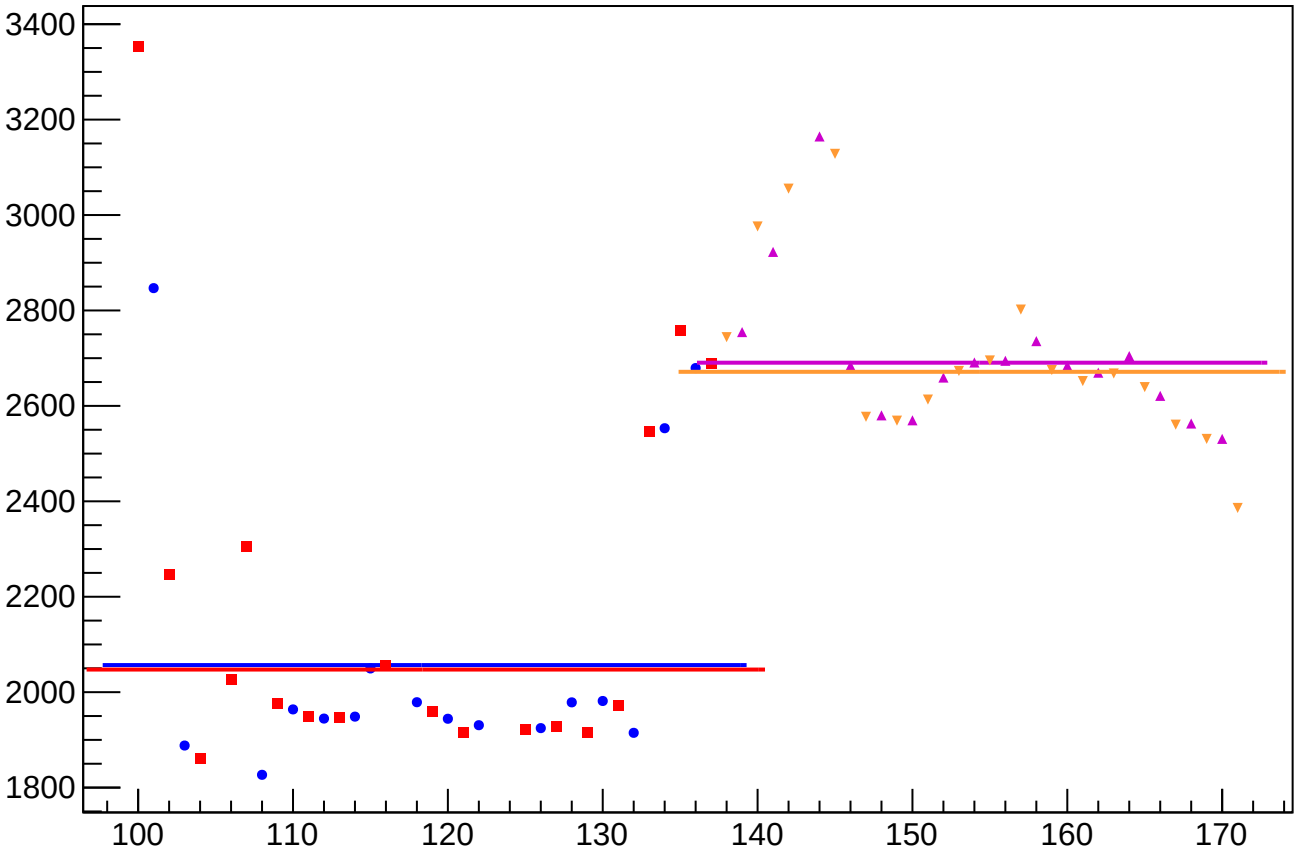
Right: 5849.056+/-1.110 χ^2/NDF: 1207820.8/33

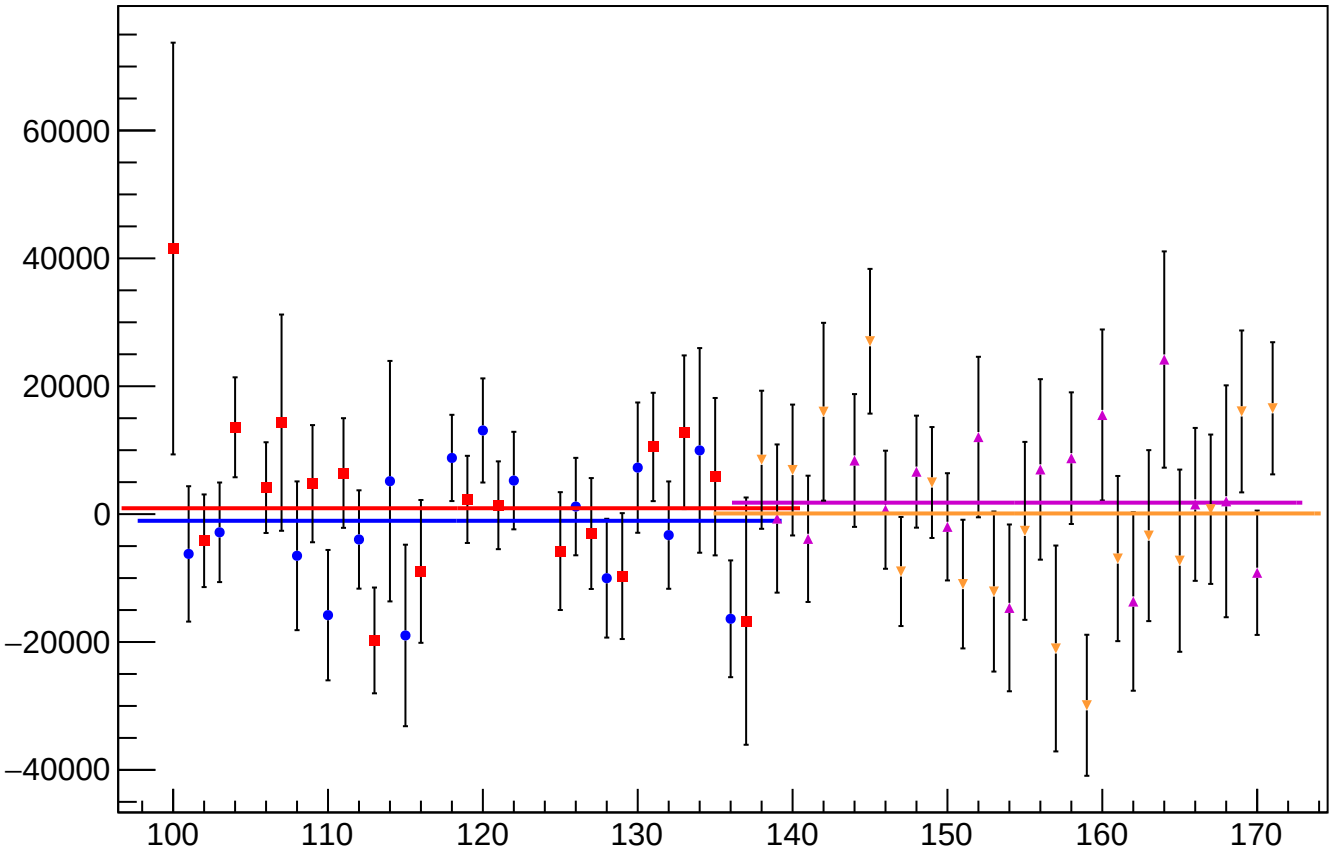
In: 7596.391+/-1.255 χ^2/NDF:3999419.7/31

Out: 7301.531+/-1.200 χ^2/NDF:4102339.9/34

All: 7442.342+/-0.867 χ^2/NDF: 8130594.6/66


eigen_dit_asym_atl2_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 1999.218+/-773.538 χ²/NDF: 9.0/15
Left Out: -466.856+/-730.417 χ²/NDF:41.7/16
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 3088.174+/-741.115 χ²/NDF:11.0/15
Left: 1284.816+/-520.224 χ²/NDF: 64.3/32
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2566.996+/-535.143 χ²/NDF:21.0/31
Out: 834.641+/-530.347 χ²/NDF:65.0/34
All: 1693.021+/-376.696 χ²/NDF: 91.3/66


eigen_dit_asym_atl2_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
100
110
120
130
140
150
160
170
Right In: 2056.796+/-0.547 χ²/NDF: 270454.5/15
Left Out: 2671.414+/-0.516 χ²/NDF:107953.0/16
Right Out: 2047.400+/-0.545 χ²/NDF: 196523.3/17
Left In: 2690.522+/-0.524 χ²/NDF:71937.8/15
Left: 2680.829+/-0.368 χ²/NDF: 180565.3/32
Right: 2052.077+/-0.386 χ²/NDF: 467125.9/33
In: 2387.218+/-0.378 χ²/NDF:1042297.4/31
Out: 2375.912+/-0.375 χ²/NDF:995738.5/34
All: 2381.510+/-0.266 χ²/NDF: 2038486.6/66



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: 1790.454+/-2800.799 χ^2/NDF:9.5/15

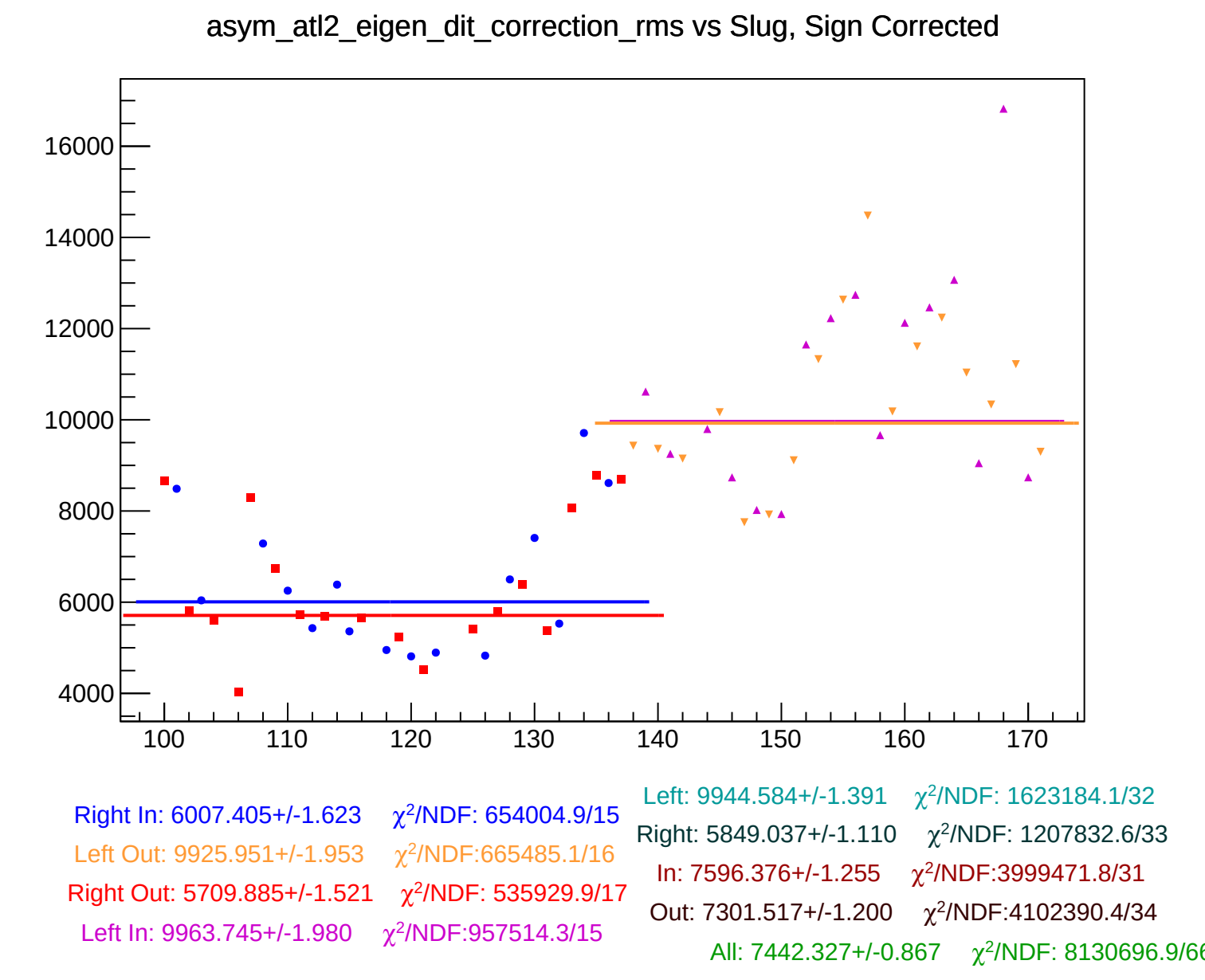
Left: 936.018+/-1966.582 χ^2/NDF: 35.2/32

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

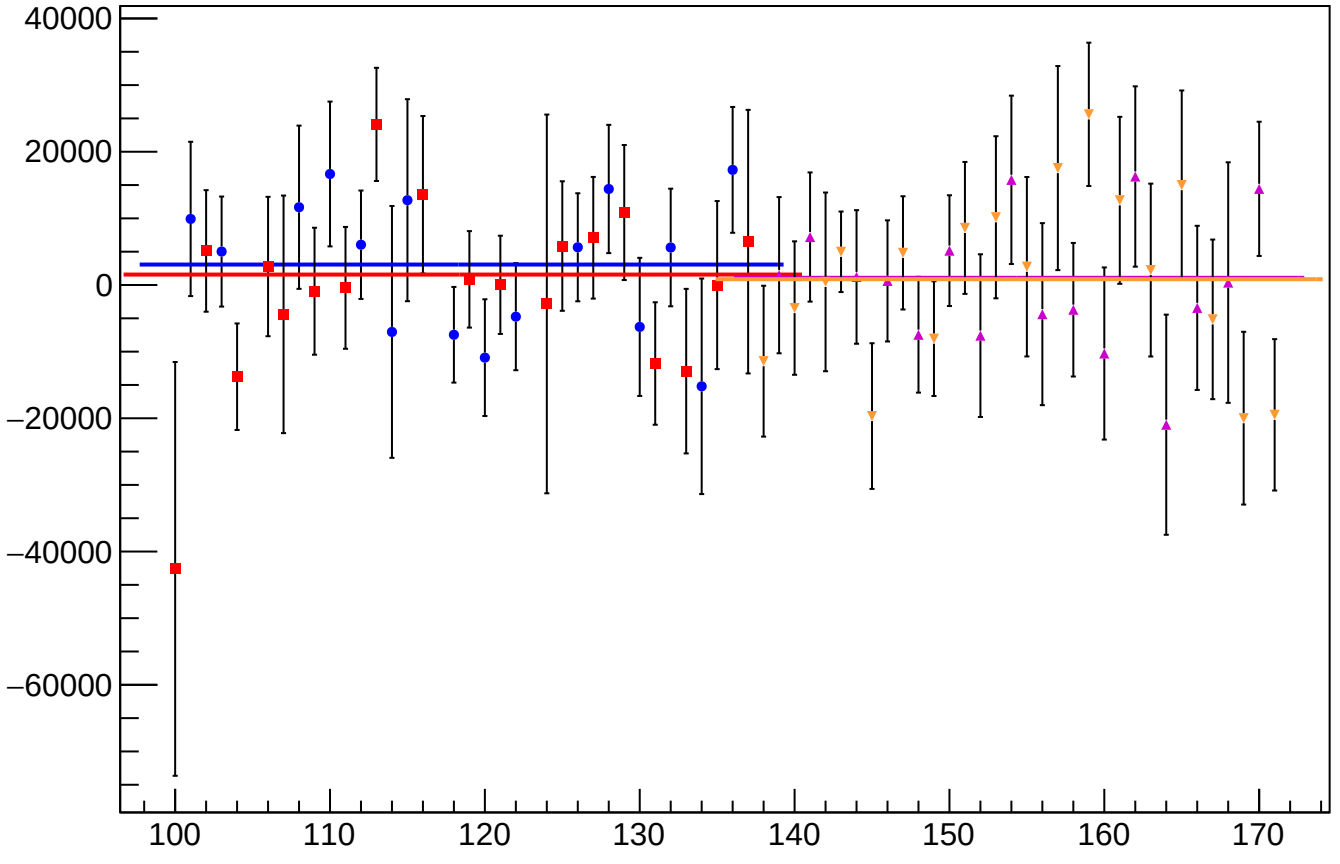
In: 95.288+/-1774.979 χ^2/NDF:25.4/31

Out: 612.165+/-1697.001 χ^2/NDF:43.9/34

All: 365.329+/-1226.602 χ^2/NDF: 69.4/66


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9925.951+/-1.953 χ²/NDF:665485.1/16
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9963.745+/-1.980 χ²/NDF:957514.3/15
Left: 9944.584+/-1.391 χ²/NDF: 1623184.1/32
Right: 5849.037+/-1.110 χ²/NDF: 1207832.6/33
In: 7596.376+/-1.255 χ²/NDF:3999471.8/31
Out: 7301.517+/-1.200 χ²/NDF:4102390.4/34
All: 7442.327+/-0.867 χ²/NDF: 8130696.9/66

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: 1082.592+/-2766.859 χ^2/NDF:9.6/15

Left: 966.586+/-1855.704 χ^2/NDF: 31.9/33

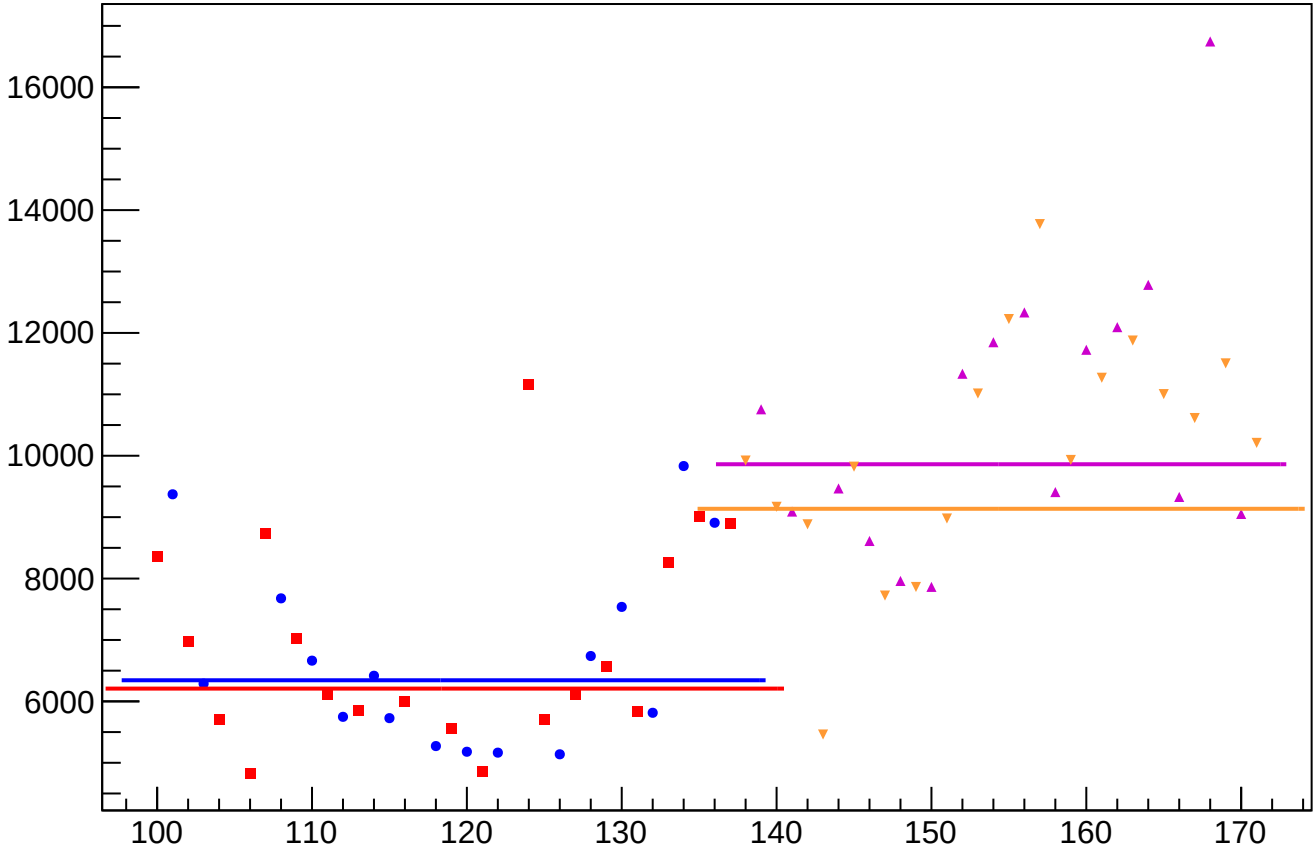
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2208.483+/-1821.870 χ^2/NDF:24.7/31

Out: 1243.238+/-1707.374 χ^2/NDF:41.5/36

All: 1694.579+/-1245.807 χ^2/NDF: 66.4/68

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: 9861.516+/-1.956 χ^2/NDF:890847.4/15

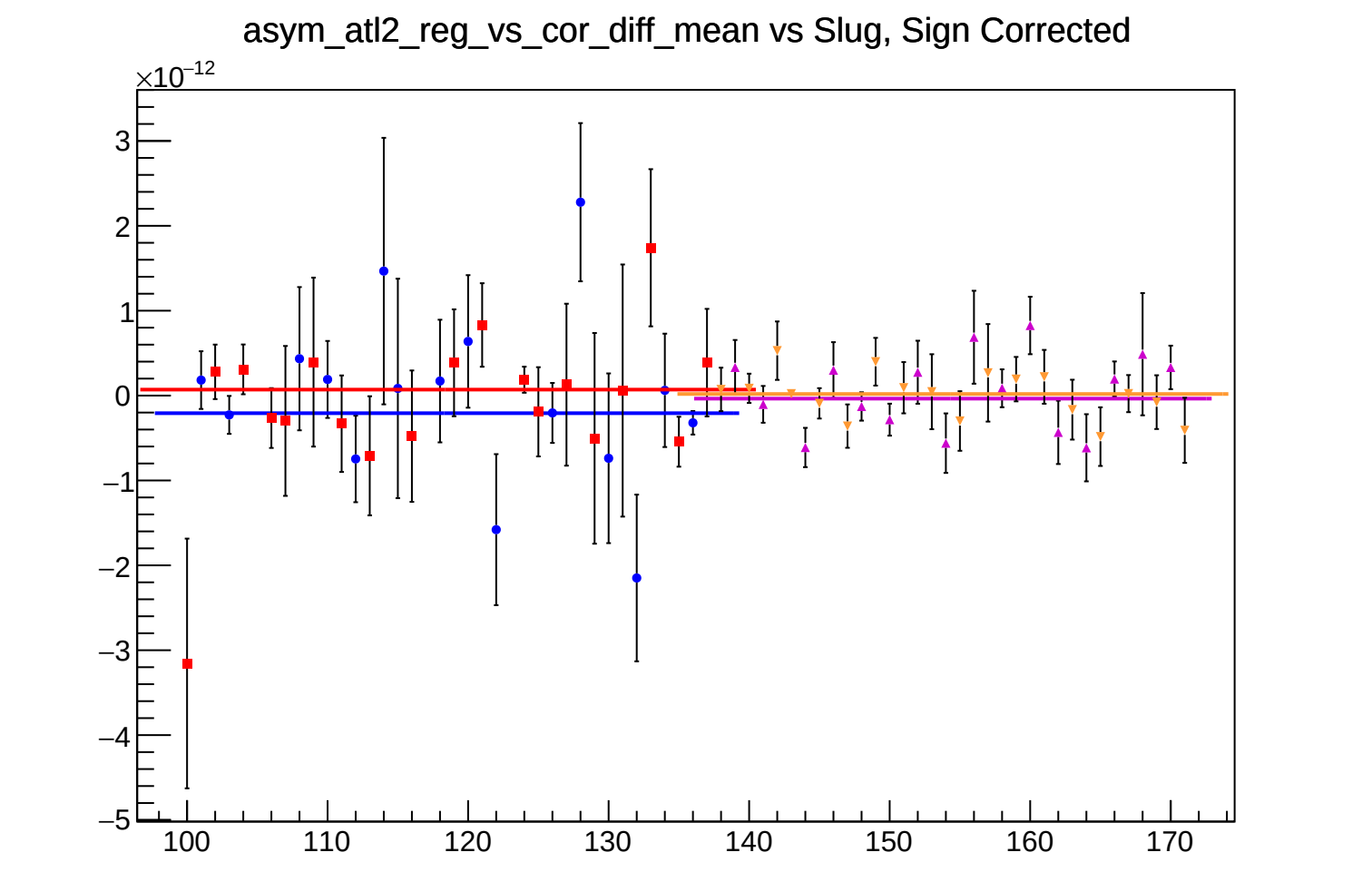
Left: 9462.467+/-1.312 χ^2/NDF: 2468158.6/33

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7868.976+/-1.288 χ^2/NDF:3343238.6/31

Out: 7571.824+/-1.207 χ^2/NDF:3437207.6/36

All: 7710.770+/-0.881 χ^2/NDF: 6808773.2/68



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:29.2/15

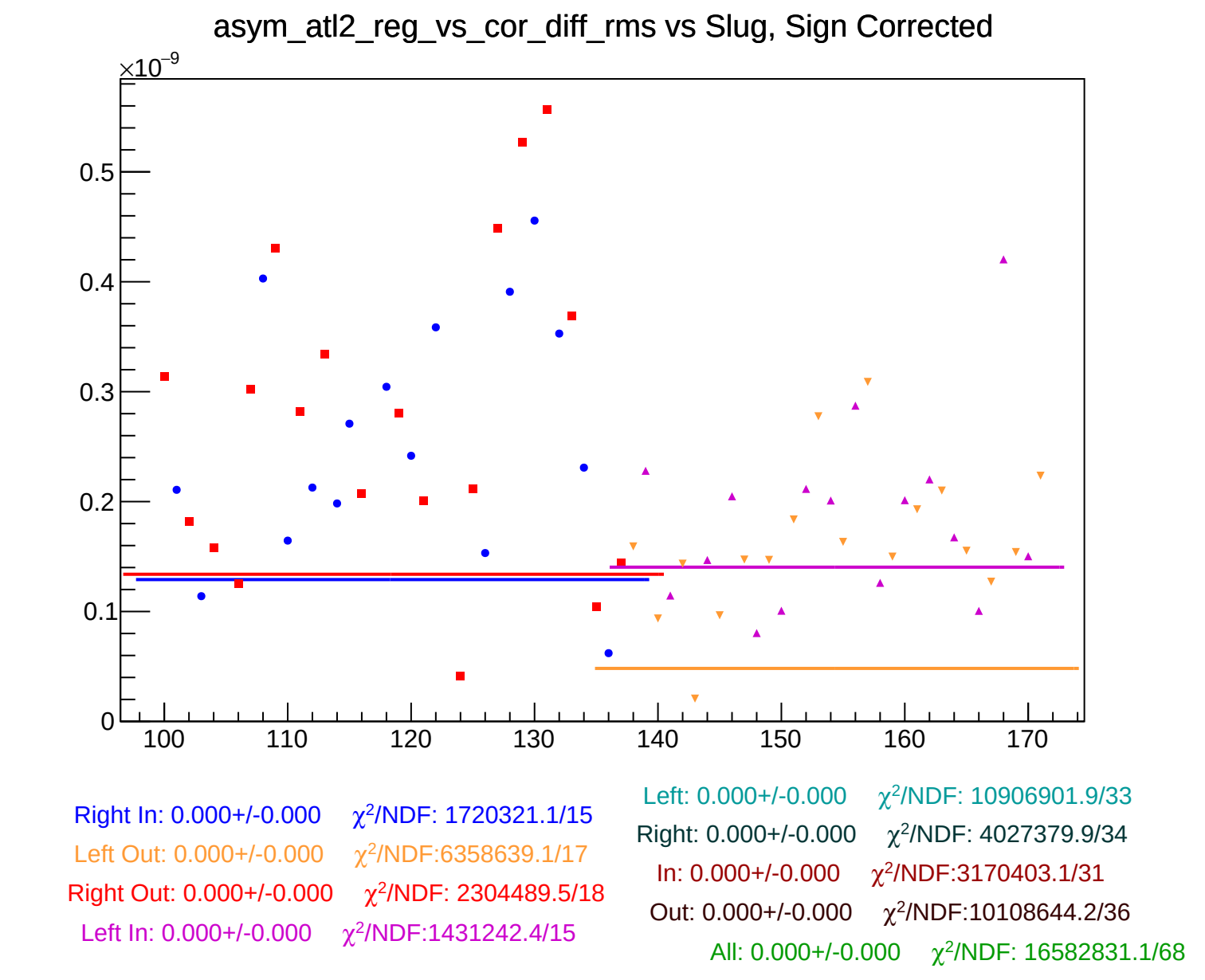
Left: 0.000+/-0.000 χ^2/NDF: 42.2/33

Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:52.3/31

Out: 0.000+/-0.000 χ^2/NDF:33.6/36

All: -0.000+/-0.000 χ^2/NDF: 89.4/68


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
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130
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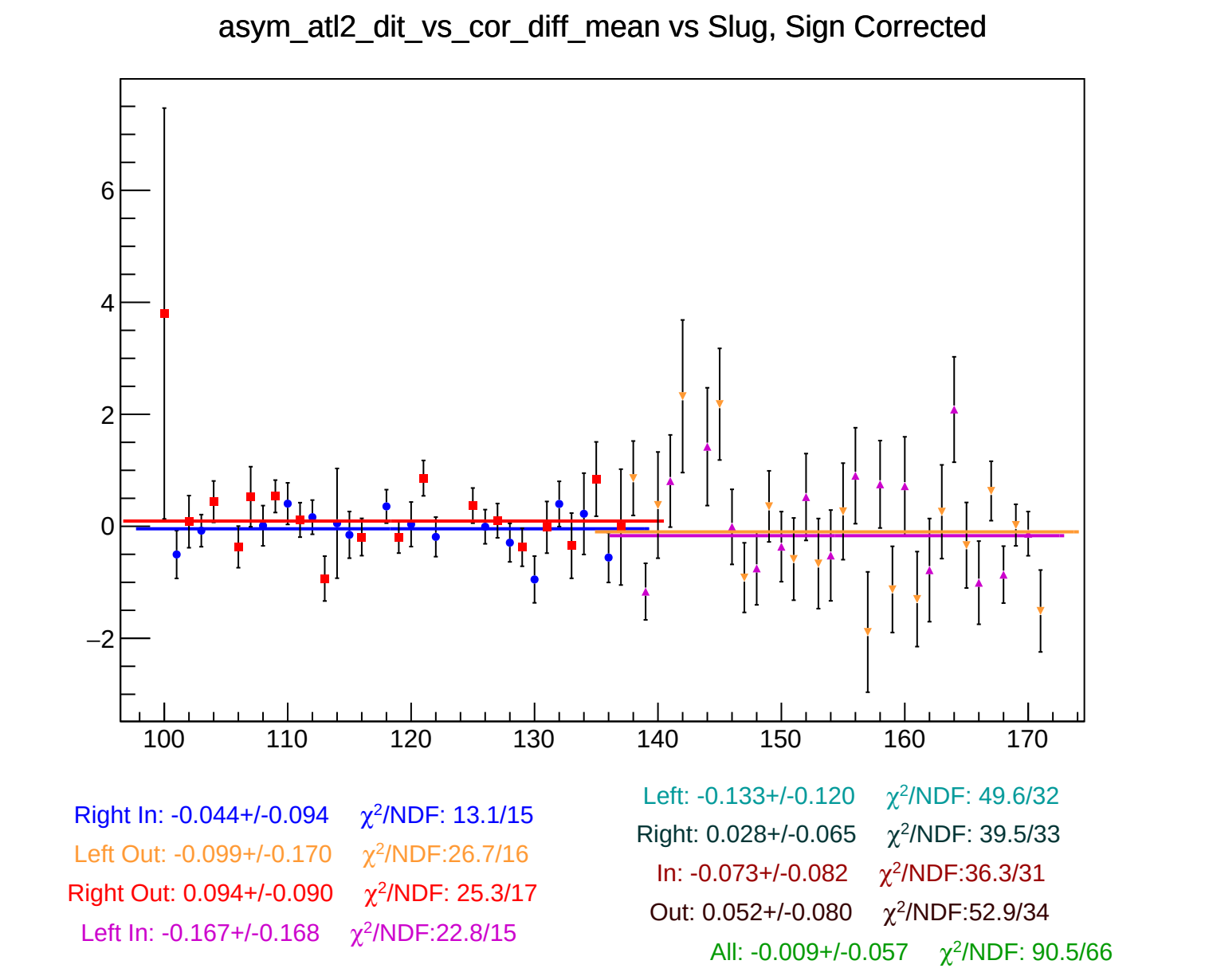
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6358639.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1431242.4/15
Left: 0.000+/-0.000 χ²/NDF: 10906901.9/33
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:3170403.1/31
Out: 0.000+/-0.000 χ²/NDF:10108644.2/36
All: 0.000+/-0.000 χ²/NDF: 16582831.1/68


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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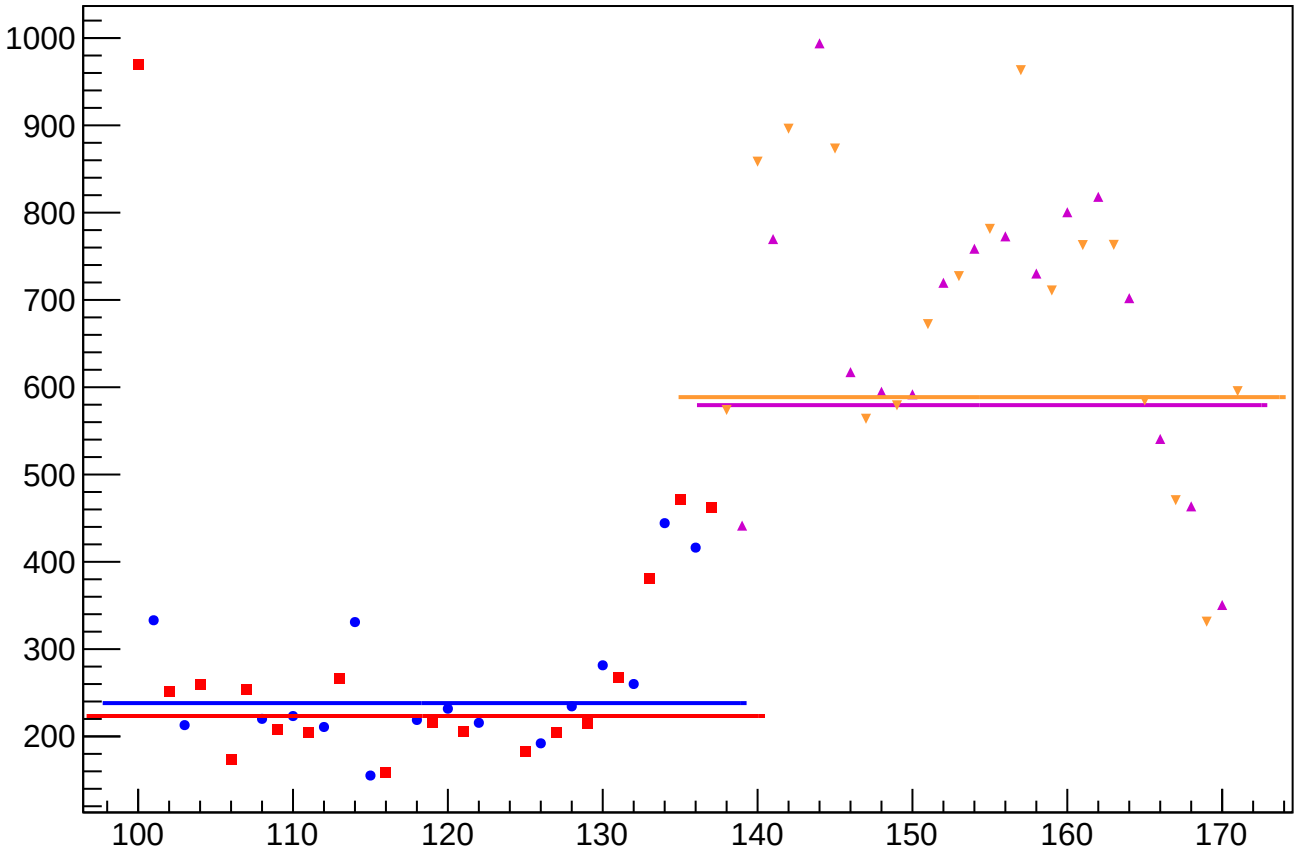
170
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.099+/-0.170 χ²/NDF:26.7/16
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.167+/-0.168 χ²/NDF:22.8/15
Left: -0.133+/-0.120 χ²/NDF: 49.6/32
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.073+/-0.082 χ²/NDF:36.3/31
Out: 0.052+/-0.080 χ²/NDF:52.9/34
All: -0.009+/-0.057 χ²/NDF: 90.5/66



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: 579.495+/-0.119 χ^2/NDF:1990028.4/15

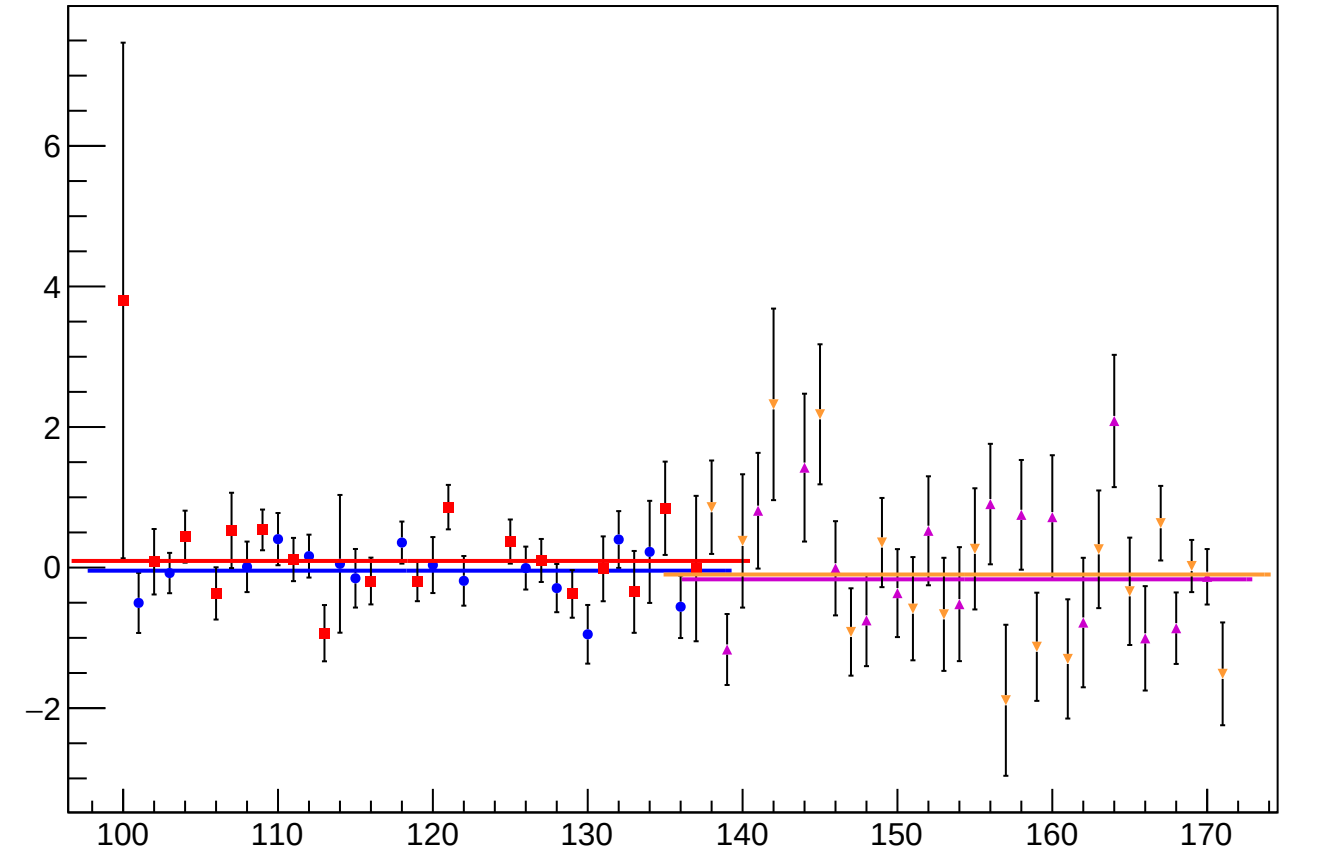
Left: 584.029+/-0.085 χ^2/NDF: 4133900.9/32

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 319.064+/-0.058 χ^2/NDF:9074217.1/31

Out: 303.216+/-0.056 χ^2/NDF:10197745.6/34

All: 310.910+/-0.040 χ^2/NDF: 19310461.0/66



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: -0.167+/-0.168 χ^2/NDF:22.8/15

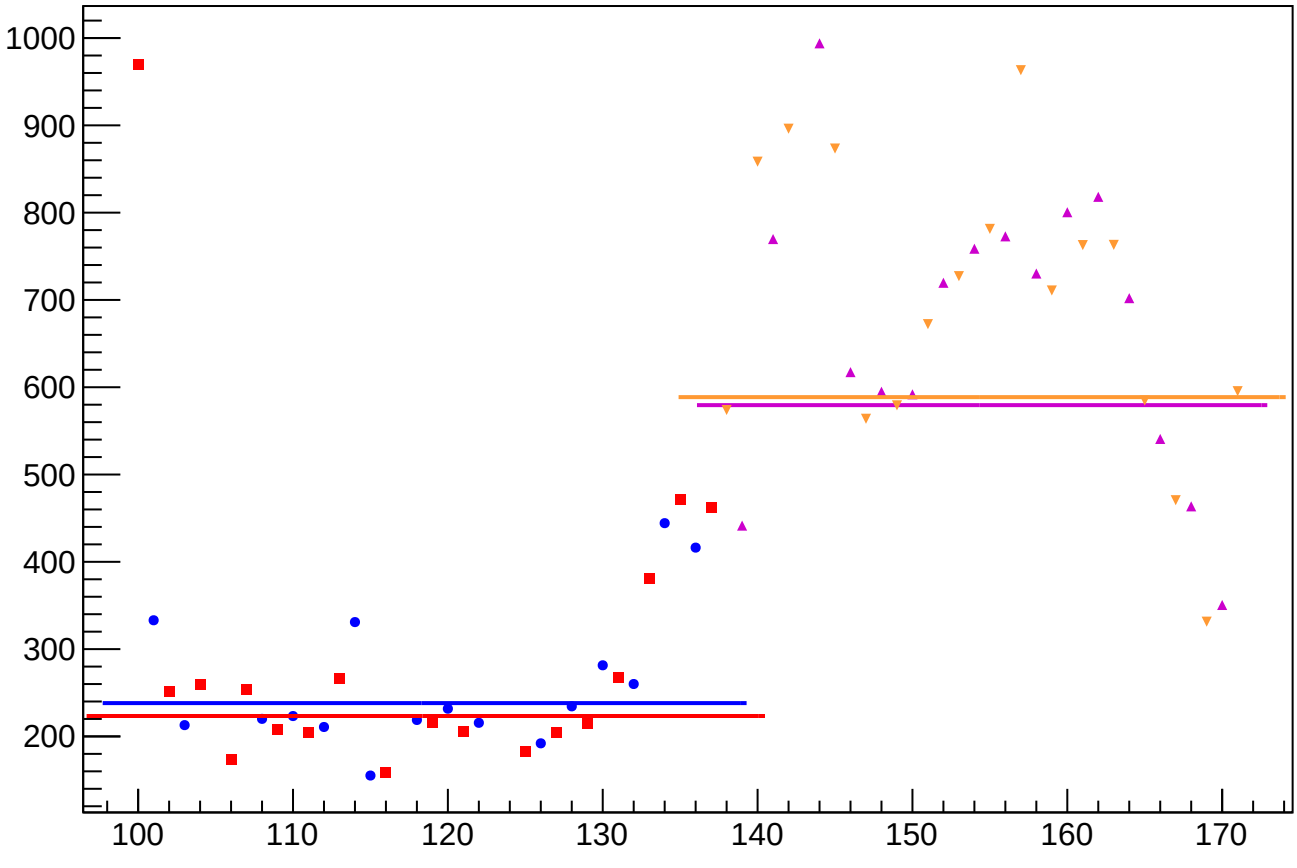
Left: -0.133+/-0.120 χ^2/NDF: 49.6/32

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.073+/-0.082 χ^2/NDF:36.3/31

Out: 0.052+/-0.080 χ^2/NDF:52.9/34

All: -0.009+/-0.057 χ^2/NDF: 90.5/66


asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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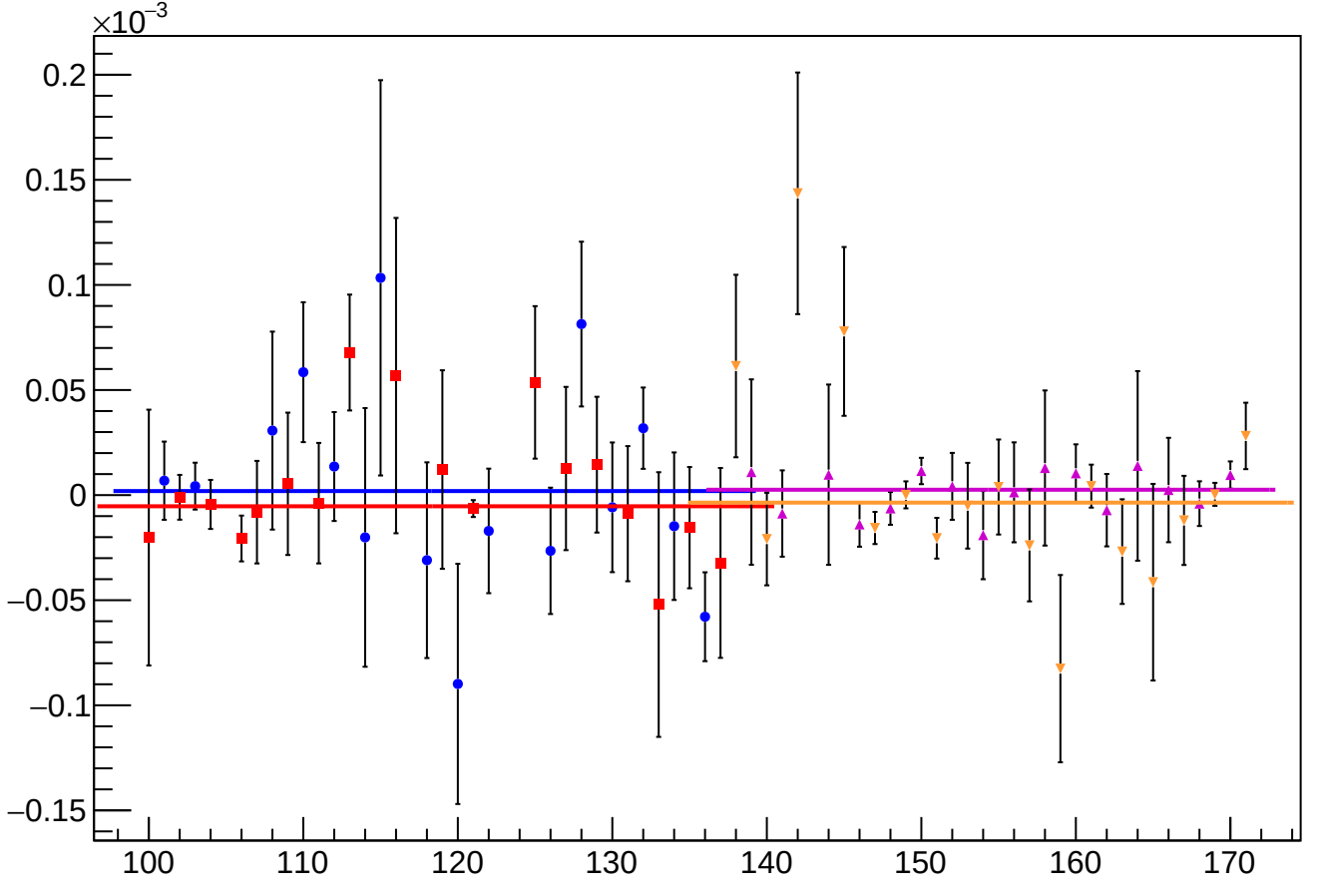
Right In: 238.165+/-0.066 χ²/NDF: 807205.2/15
Left Out: 588.668+/-0.120 χ²/NDF:2140936.0/16
Right Out: 223.388+/-0.064 χ²/NDF: 862425.5/17
Left In: 579.495+/-0.119 χ²/NDF:1990028.4/15
Left: 584.029+/-0.085 χ²/NDF: 4133900.9/32
Right: 230.474+/-0.046 χ²/NDF: 1695464.7/33
In: 319.064+/-0.058 χ²/NDF:9074217.1/31
Out: 303.216+/-0.056 χ²/NDF:10197745.6/34
All: 310.910+/-0.040 χ²/NDF: 19310461.0/66



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:9.5/15

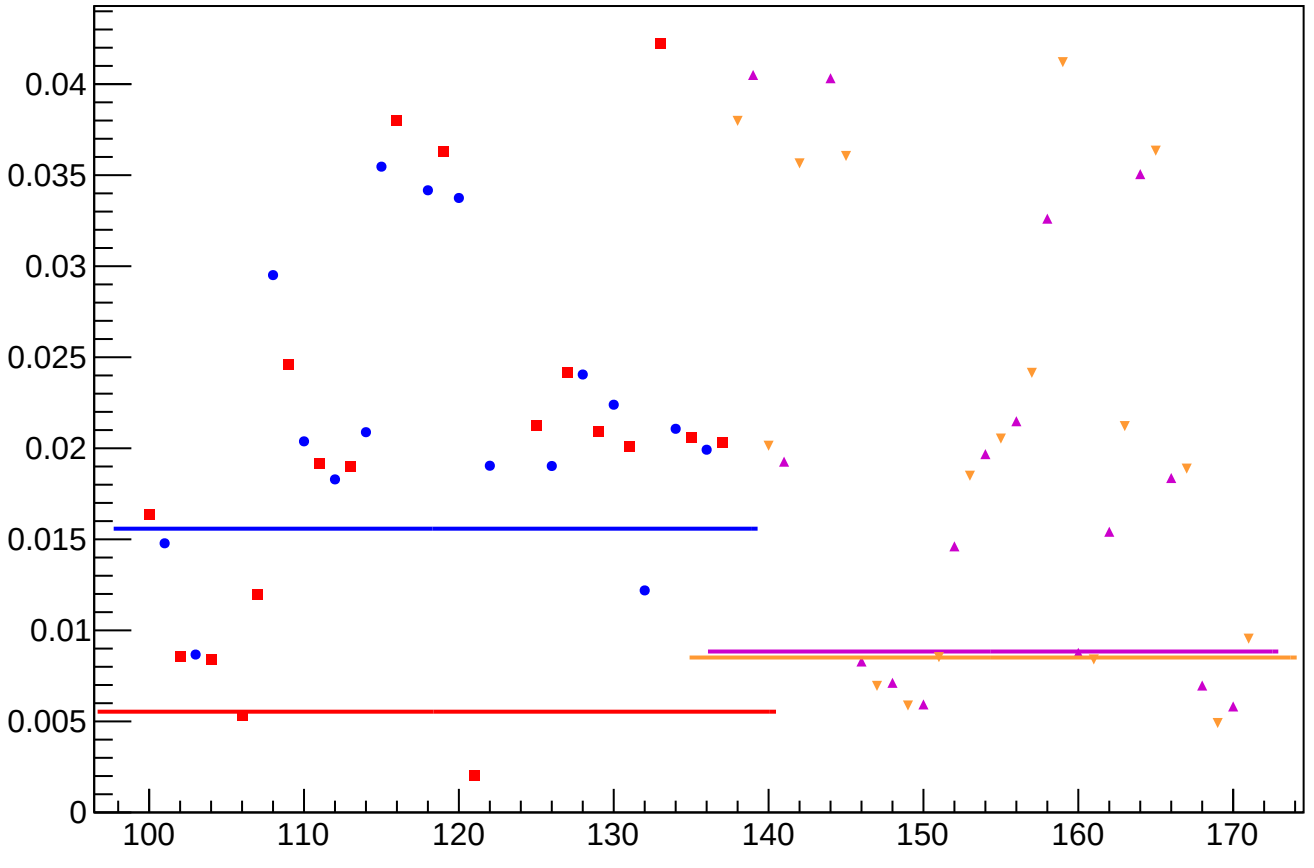
Left: -0.000+/-0.000 χ^2/NDF: 41.6/32

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:33.6/31

Out: -0.000+/-0.000 χ^2/NDF:44.8/34

All: -0.000+/-0.000 χ^2/NDF: 82.1/66



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:7105762.2/15

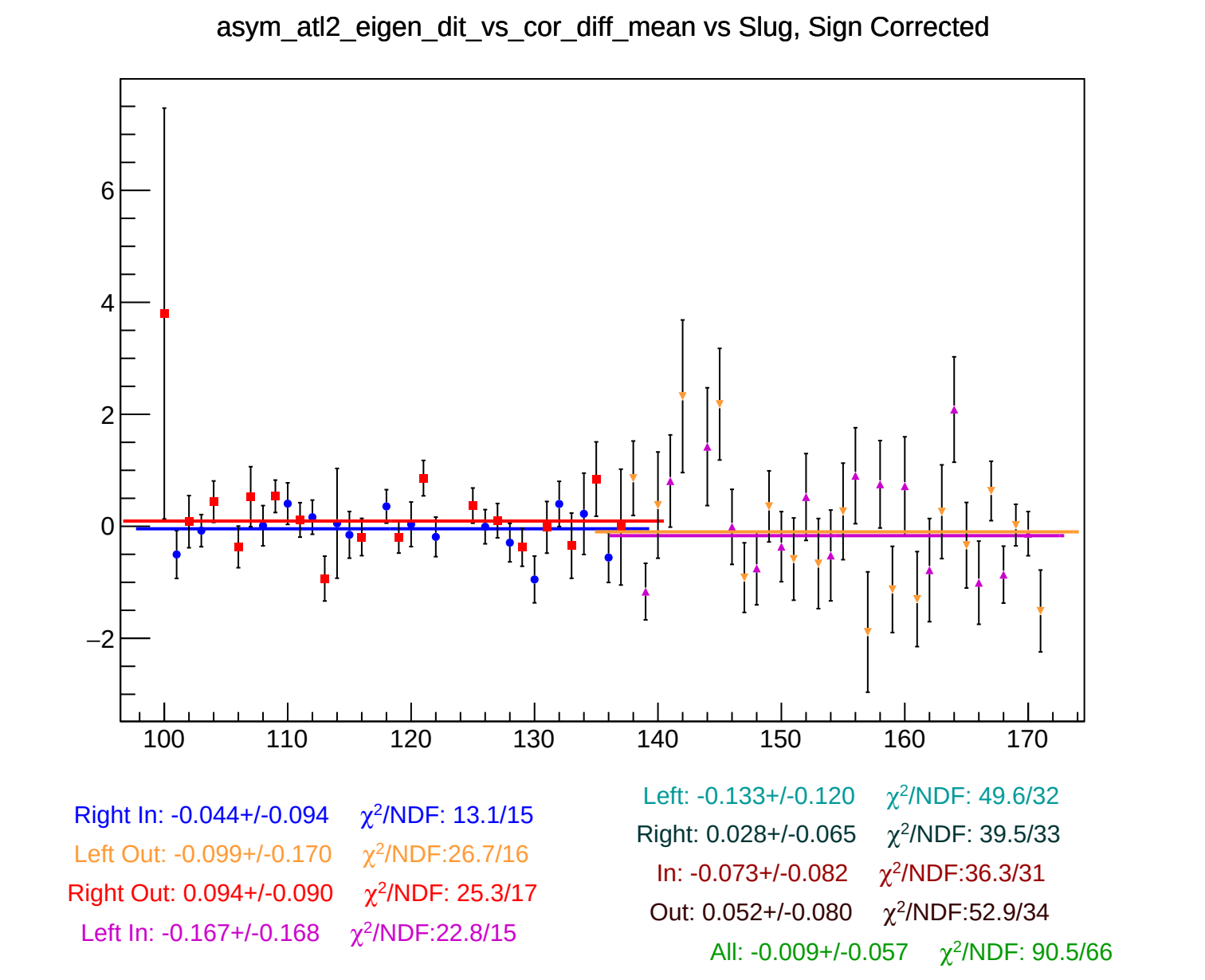
Left: 0.009+/-0.000 χ^2/NDF: 15796653.1/32

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.010+/-0.000 χ^2/NDF:10998295.6/31

Out: 0.007+/-0.000 χ^2/NDF:17561691.6/34

All: 0.008+/-0.000 χ^2/NDF: 29991289.4/66


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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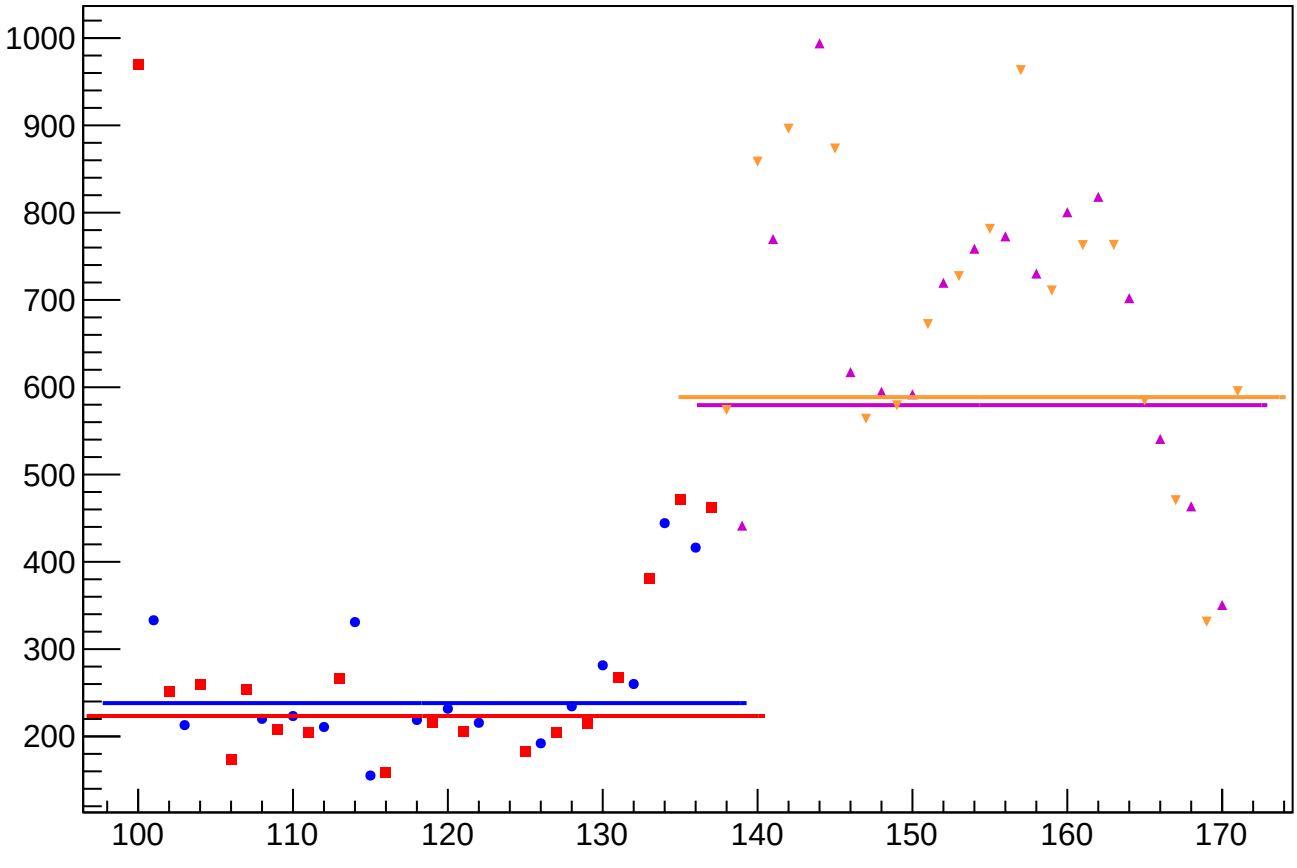
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.099+/-0.170 χ²/NDF:26.7/16
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.167+/-0.168 χ²/NDF:22.8/15
Left: -0.133+/-0.120 χ²/NDF: 49.6/32
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.073+/-0.082 χ²/NDF:36.3/31
Out: 0.052+/-0.080 χ²/NDF:52.9/34
All: -0.009+/-0.057 χ²/NDF: 90.5/66


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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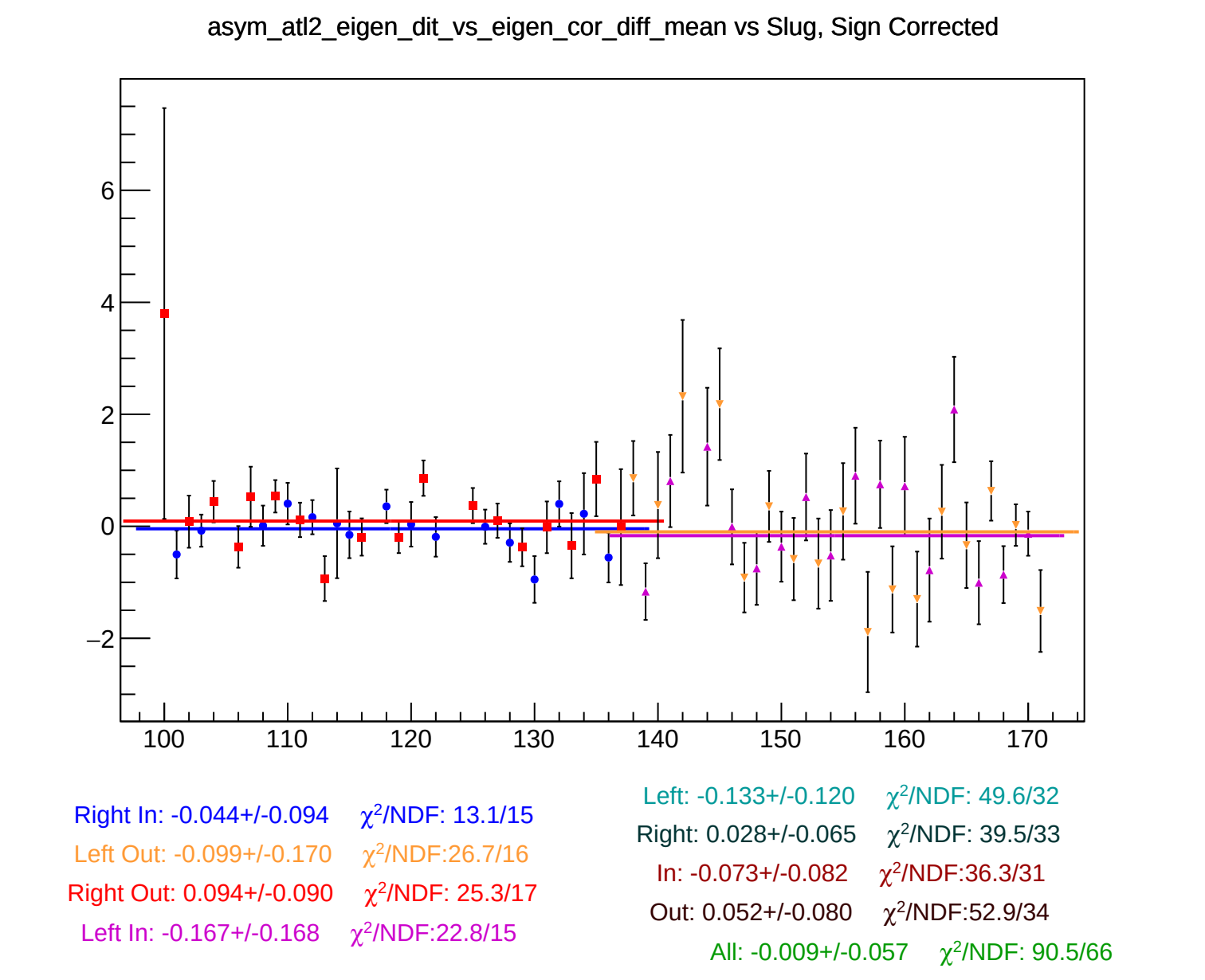
Right In: 238.165+/-0.066 χ²/NDF: 807170.1/15
Left Out: 588.673+/-0.120 χ²/NDF:2141021.5/16
Right Out: 223.390+/-0.064 χ²/NDF: 862366.3/17
Left In: 579.503+/-0.119 χ²/NDF:1990050.5/15
Left: 584.035+/-0.085 χ²/NDF: 4134006.7/32
Right: 230.475+/-0.046 χ²/NDF: 1695367.2/33
In: 319.065+/-0.058 χ²/NDF:9074319.1/31
Out: 303.217+/-0.056 χ²/NDF:10197785.0/34
All: 310.911+/-0.040 χ²/NDF: 19310598.8/66


asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
6
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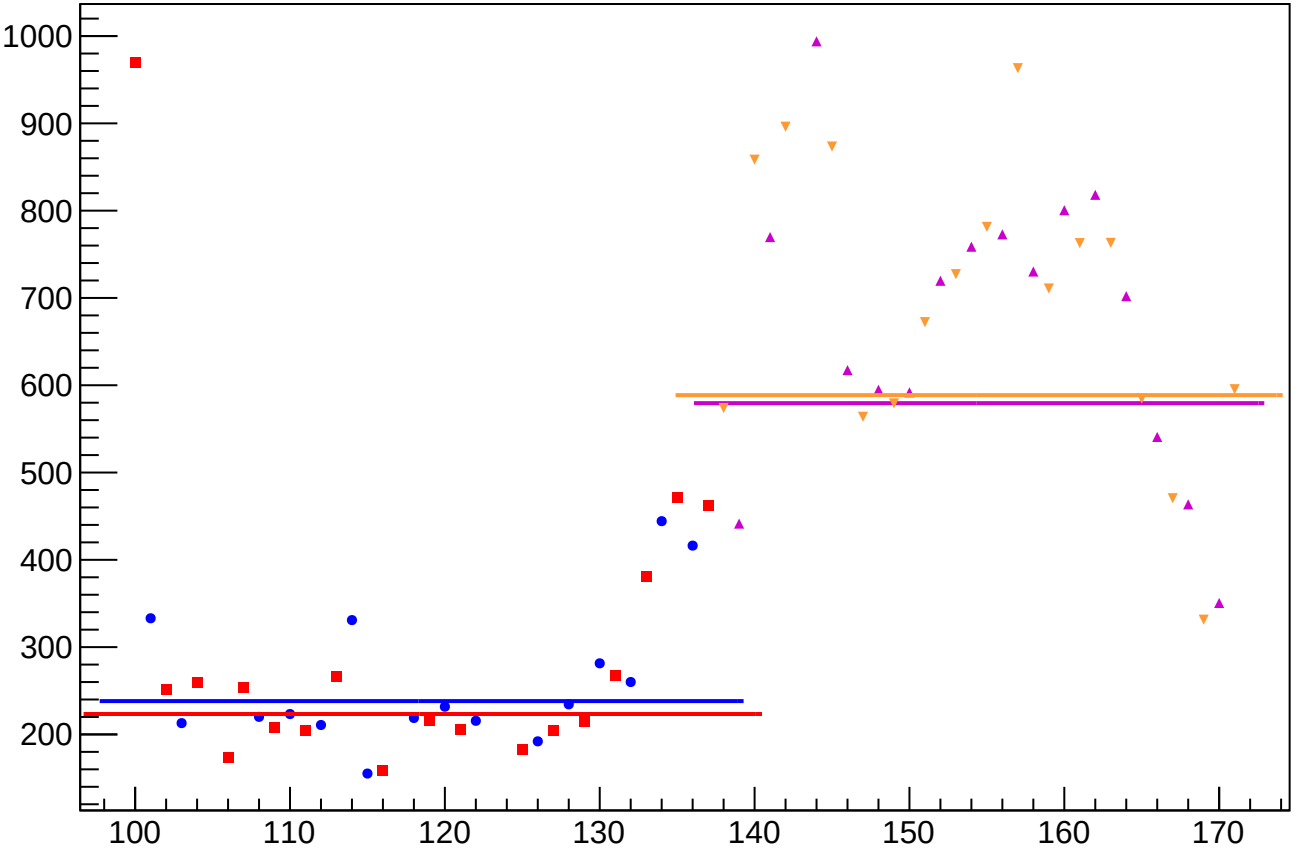
140
150
160
170
Right In: -0.044+/-0.094 χ²/NDF: 13.1/15
Left Out: -0.099+/-0.170 χ²/NDF:26.7/16
Right Out: 0.094+/-0.090 χ²/NDF: 25.3/17
Left In: -0.167+/-0.168 χ²/NDF:22.8/15
Left: -0.133+/-0.120 χ²/NDF: 49.6/32
Right: 0.028+/-0.065 χ²/NDF: 39.5/33
In: -0.073+/-0.082 χ²/NDF:36.3/31
Out: 0.052+/-0.080 χ²/NDF:52.9/34
All: -0.009+/-0.057 χ²/NDF: 90.5/66

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: 579.503+/-0.119 χ^2/NDF:1990050.5/15

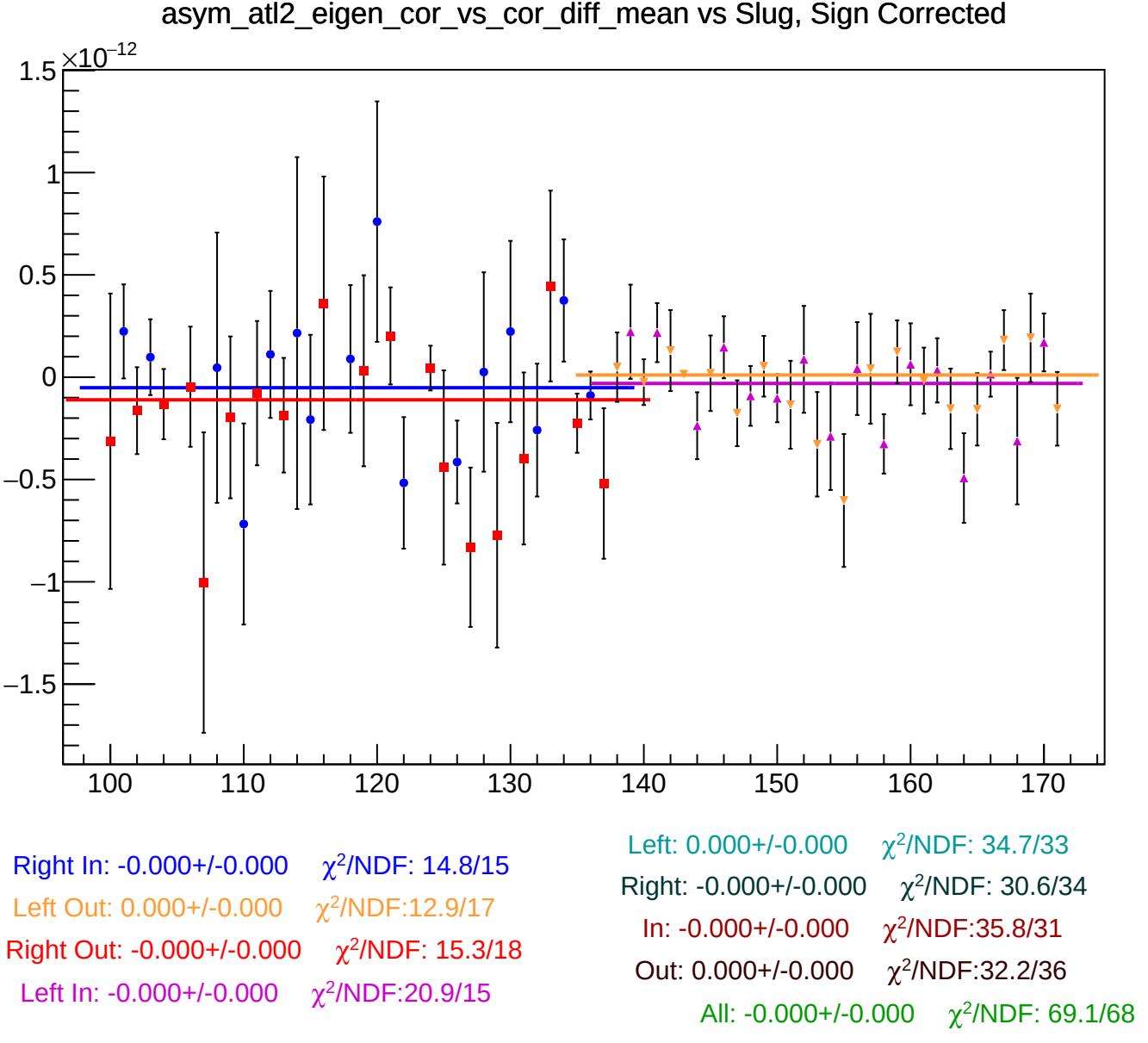
Left: 584.035+/-0.085 χ^2/NDF: 4134006.7/32

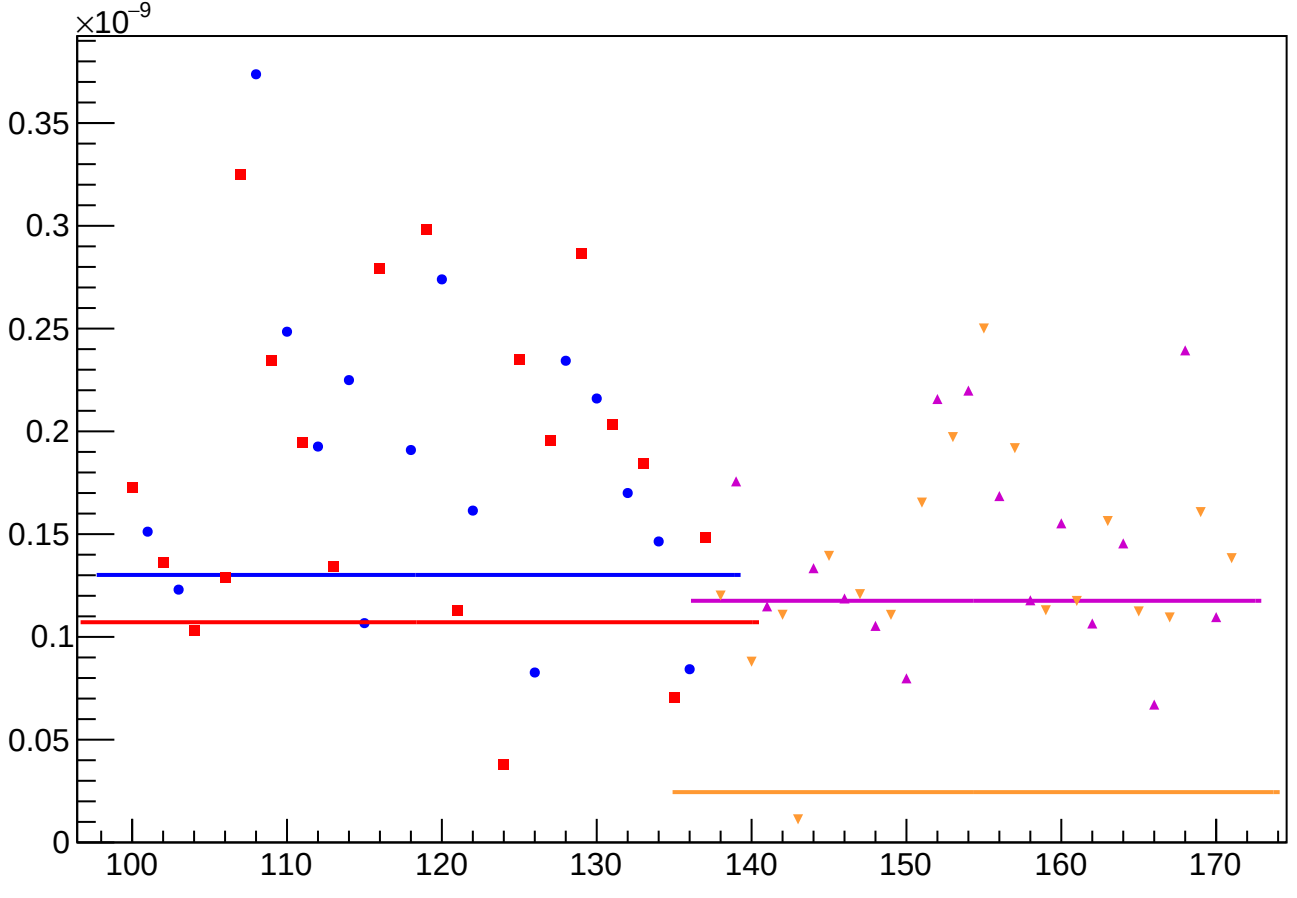
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 319.065+/-0.058 χ^2/NDF:9074319.1/31

Out: 303.217+/-0.056 χ^2/NDF:10197785.0/34

All: 310.911+/-0.040 χ^2/NDF: 19310598.8/66


asym_atl2_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: 14.8/15
Left Out: 0.000+/-0.000 χ²/NDF:12.9/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.3/18
Left In: -0.000+/-0.000 χ²/NDF:20.9/15
Left: 0.000+/-0.000 χ²/NDF: 34.7/33
Right: -0.000+/-0.000 χ²/NDF: 30.6/34
In: -0.000+/-0.000 χ²/NDF:35.8/31
Out: 0.000+/-0.000 χ²/NDF:32.2/36
All: -0.000+/-0.000 χ²/NDF: 69.1/68



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:1905847.8/15

Left: 0.000+/-0.000 χ^2/NDF: 24846584.7/33

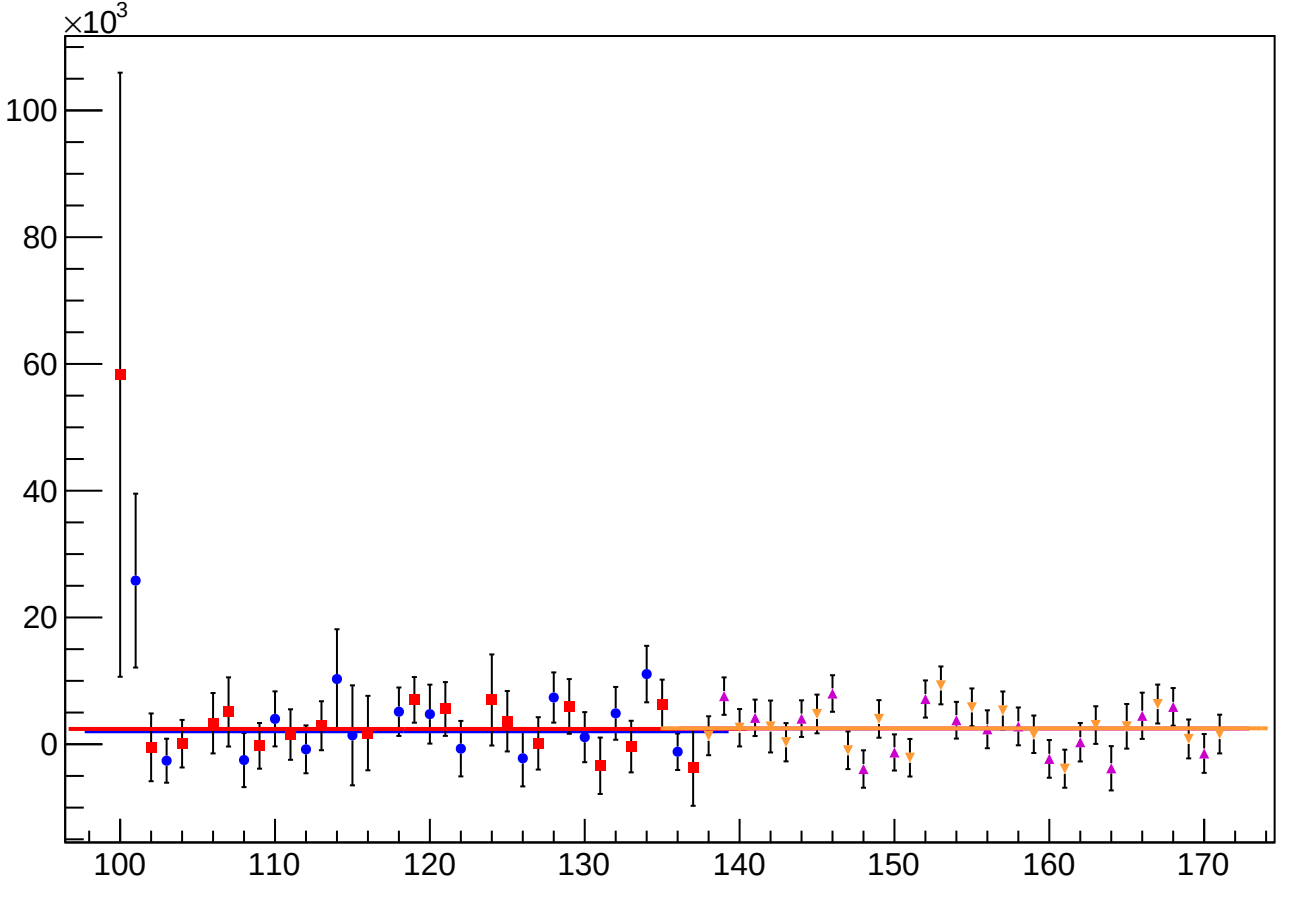
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3290833.2/31

Out: 0.000+/-0.000 χ^2/NDF:20165725.7/36

All: 0.000+/-0.000 χ^2/NDF: 35241317.9/68

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: 2477.175+/-751.473 χ^2/NDF:26.1/15

Left: 2495.122+/-520.986 χ^2/NDF: 45.2/33

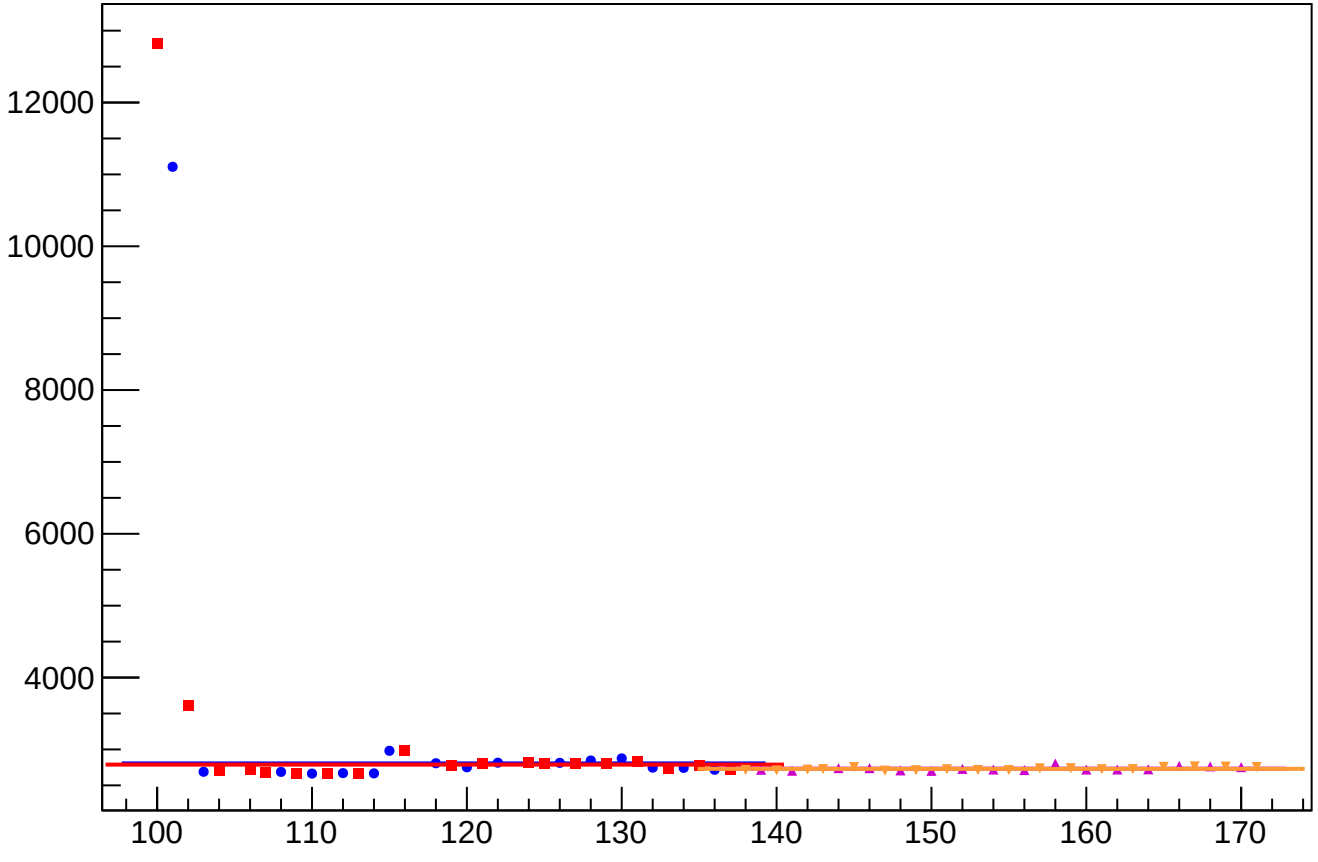
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2335.975+/-615.037 χ^2/NDF:44.0/31

Out: 2479.003+/-592.755 χ^2/NDF:29.9/36

All: 2410.127+/-426.801 χ^2/NDF: 73.9/68

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: 2732.408+/-0.531 χ^2/NDF:2504.6/15

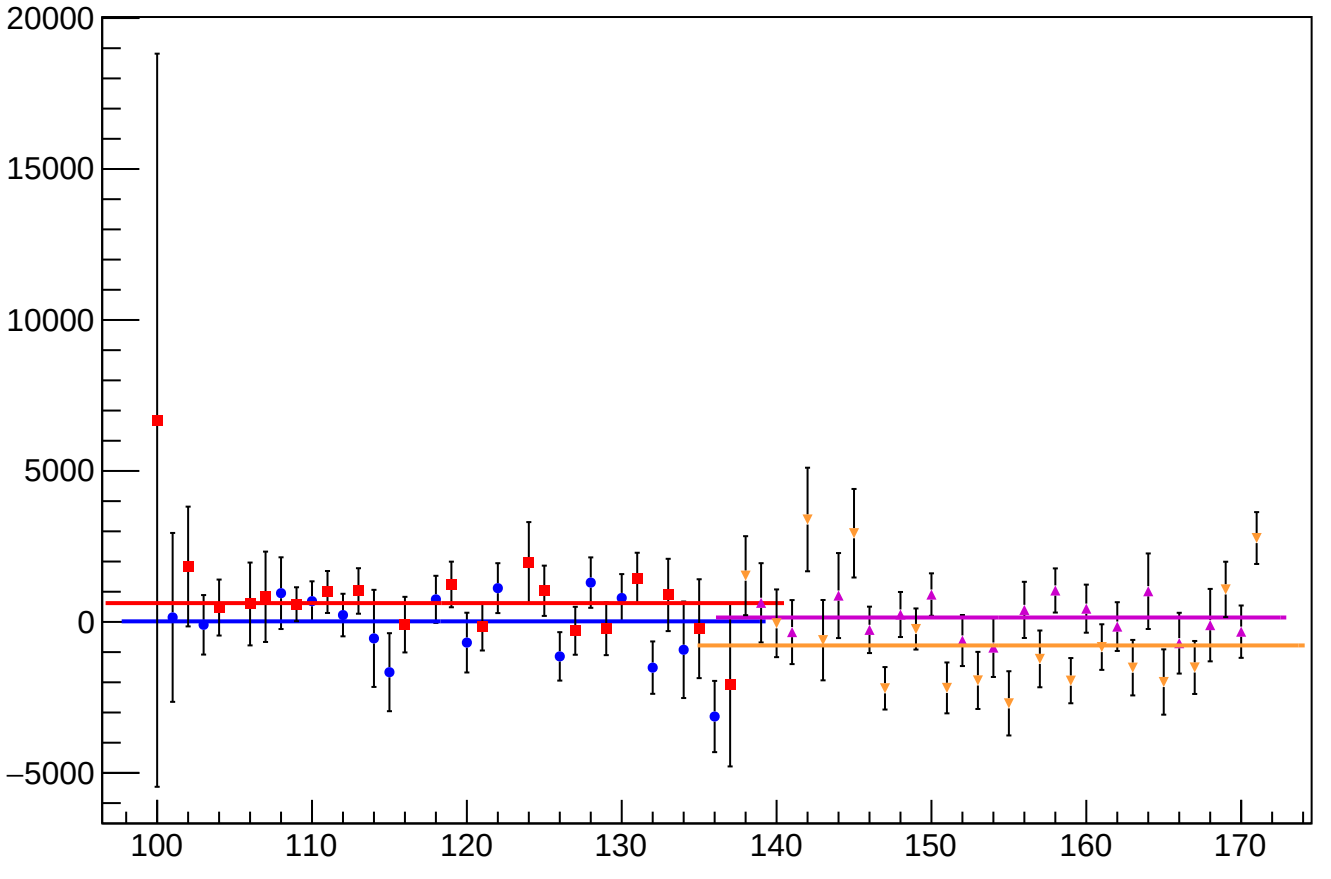
Left: 2731.117+/-0.368 χ^2/NDF: 3898.4/33

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.522+/-0.435 χ^2/NDF:754982.7/31

Out: 2749.223+/-0.419 χ^2/NDF:152731.2/36

All: 2752.738+/-0.302 χ^2/NDF: 907859.9/68



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: 146.733+/-225.133 χ^2/NDF:7.3/15

Left: -329.183+/-156.904 χ^2/NDF: 70.6/33

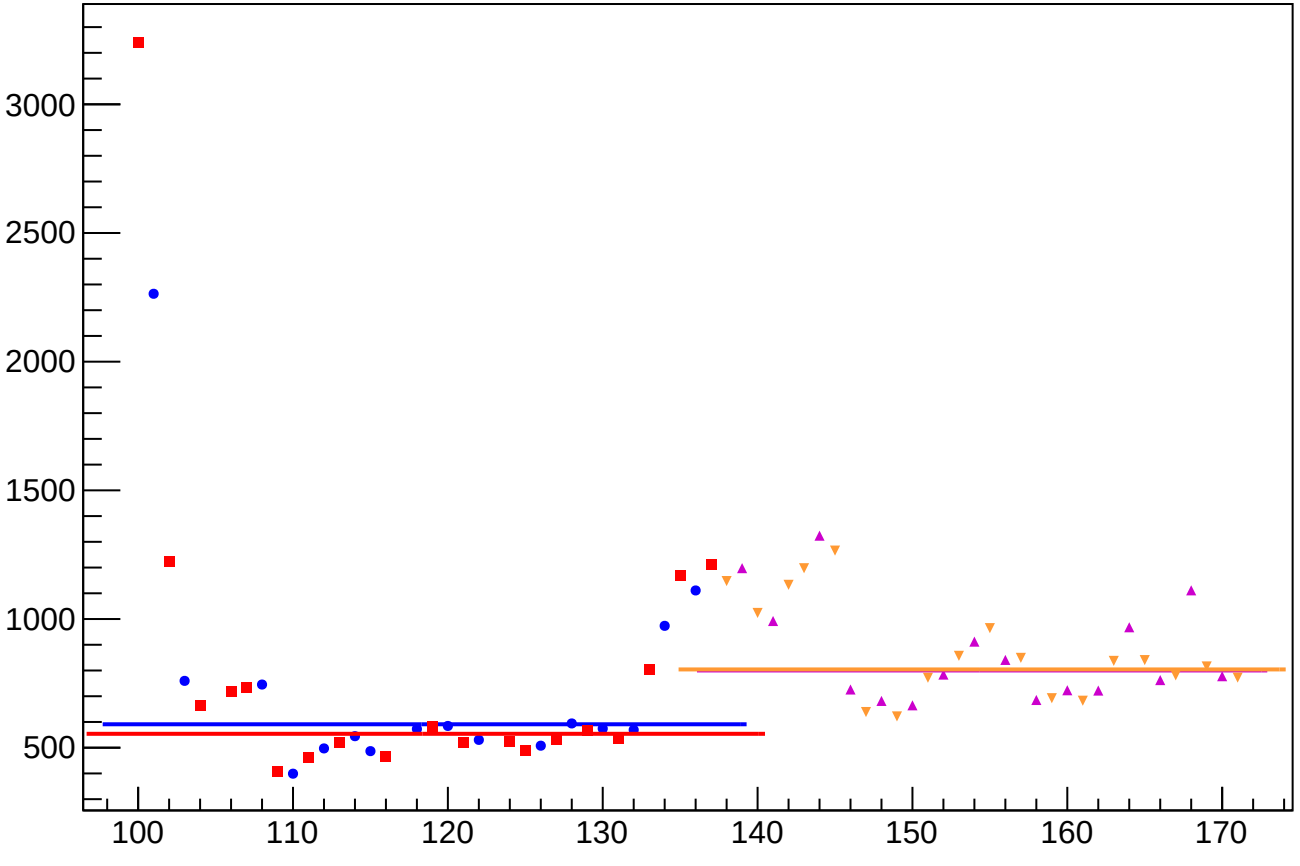
Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 85.182+/-162.065 χ^2/NDF:30.2/31

Out: -68.608+/-153.695 χ^2/NDF:84.7/36

All: 4.214+/-111.520 χ^2/NDF: 115.4/68

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: 800.113+/-0.159 χ^2/NDF:961519.1/15

Left: 802.181+/-0.111 χ^2/NDF: 2042327.8/33

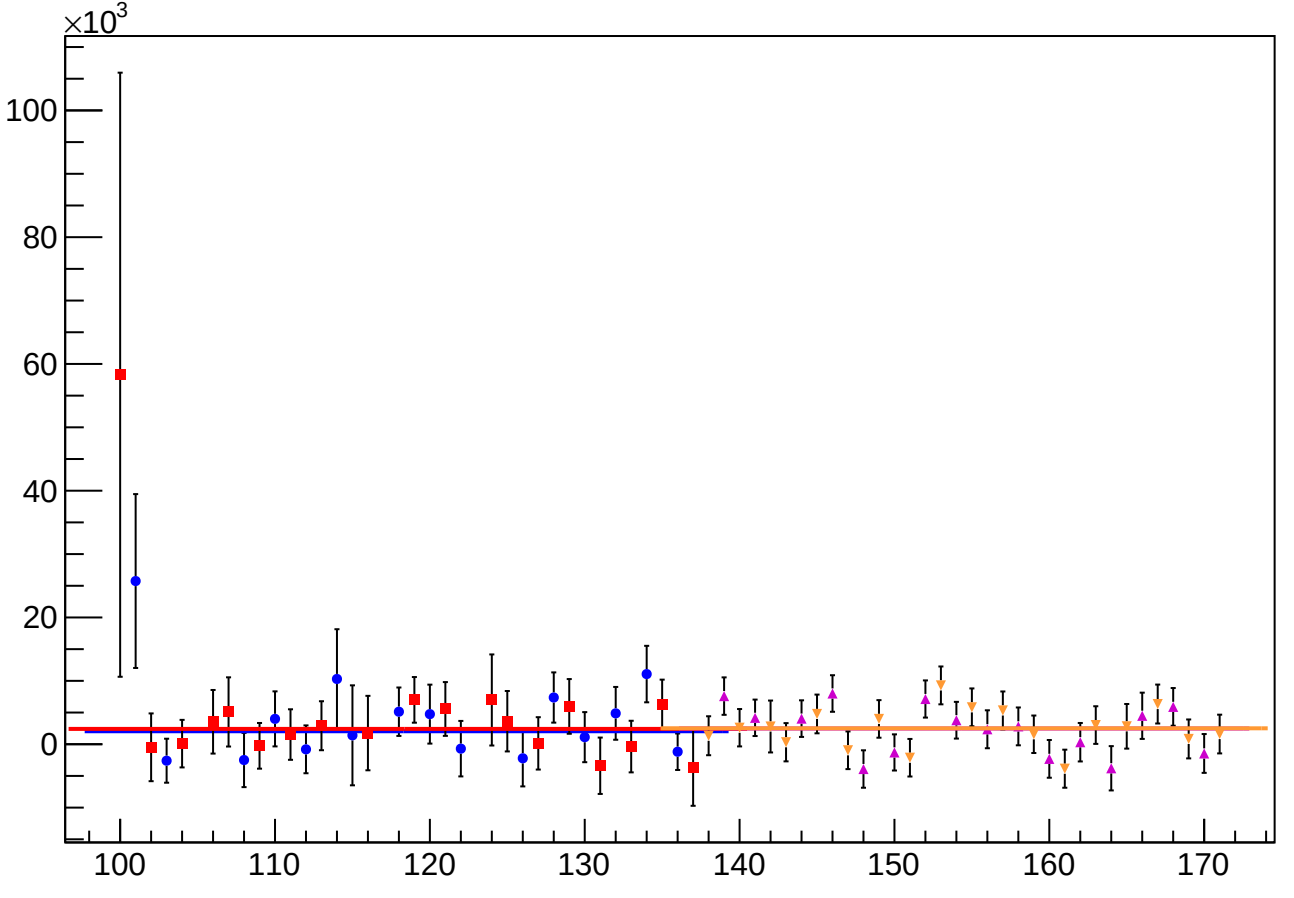
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.382+/-0.115 χ^2/NDF:3360198.7/31

Out: 677.421+/-0.109 χ^2/NDF:3521707.5/36

All: 687.820+/-0.079 χ^2/NDF: 6901242.1/68

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: 2477.231+/-751.473 χ^2/NDF:26.1/15

Left: 2495.146+/-520.986 χ^2/NDF: 45.2/33

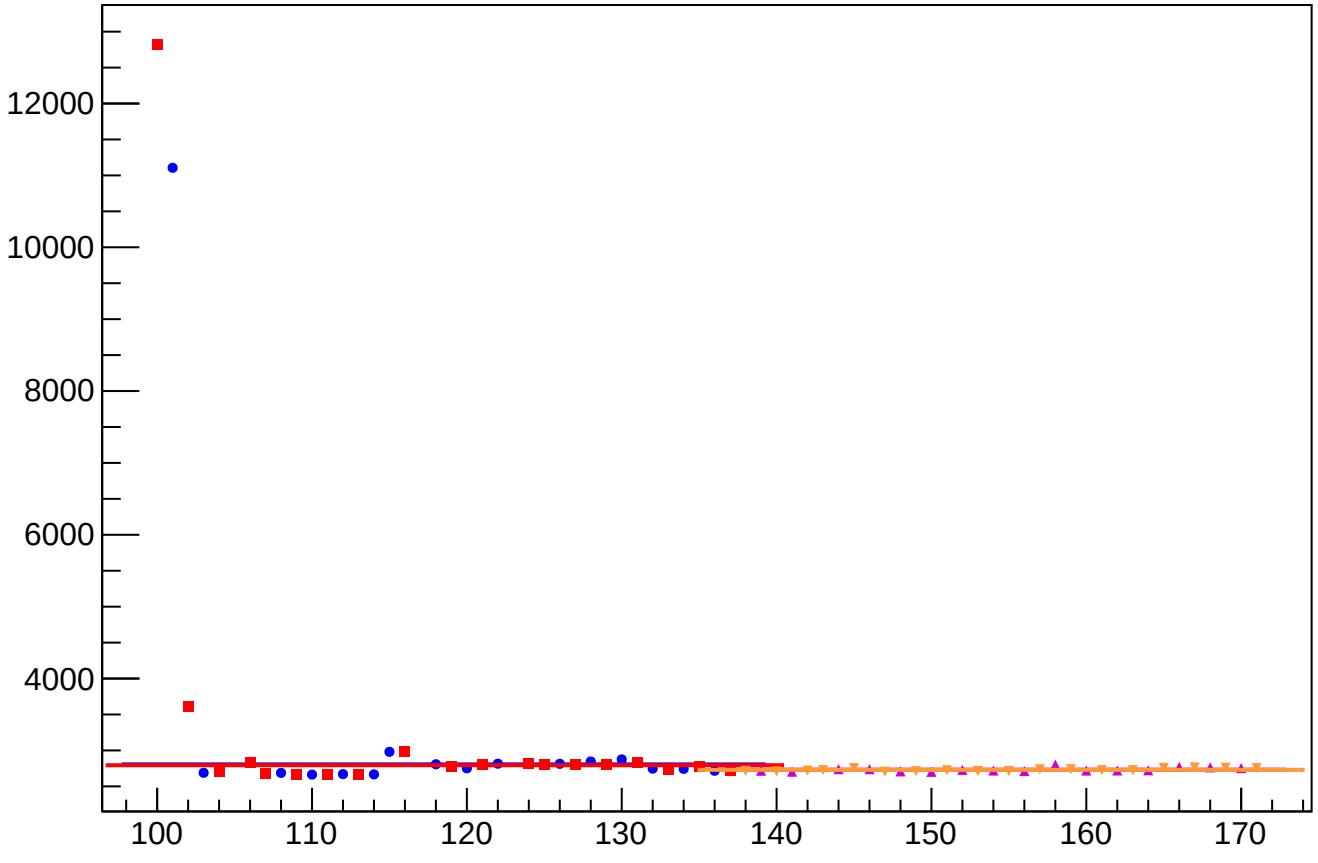
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2335.746+/-615.037 χ^2/NDF:44.0/31

Out: 2481.077+/-593.202 χ^2/NDF:29.9/36

All: 2411.037+/-426.968 χ^2/NDF: 73.9/68

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: 2732.408+/-0.531 χ^2/NDF:2504.6/15

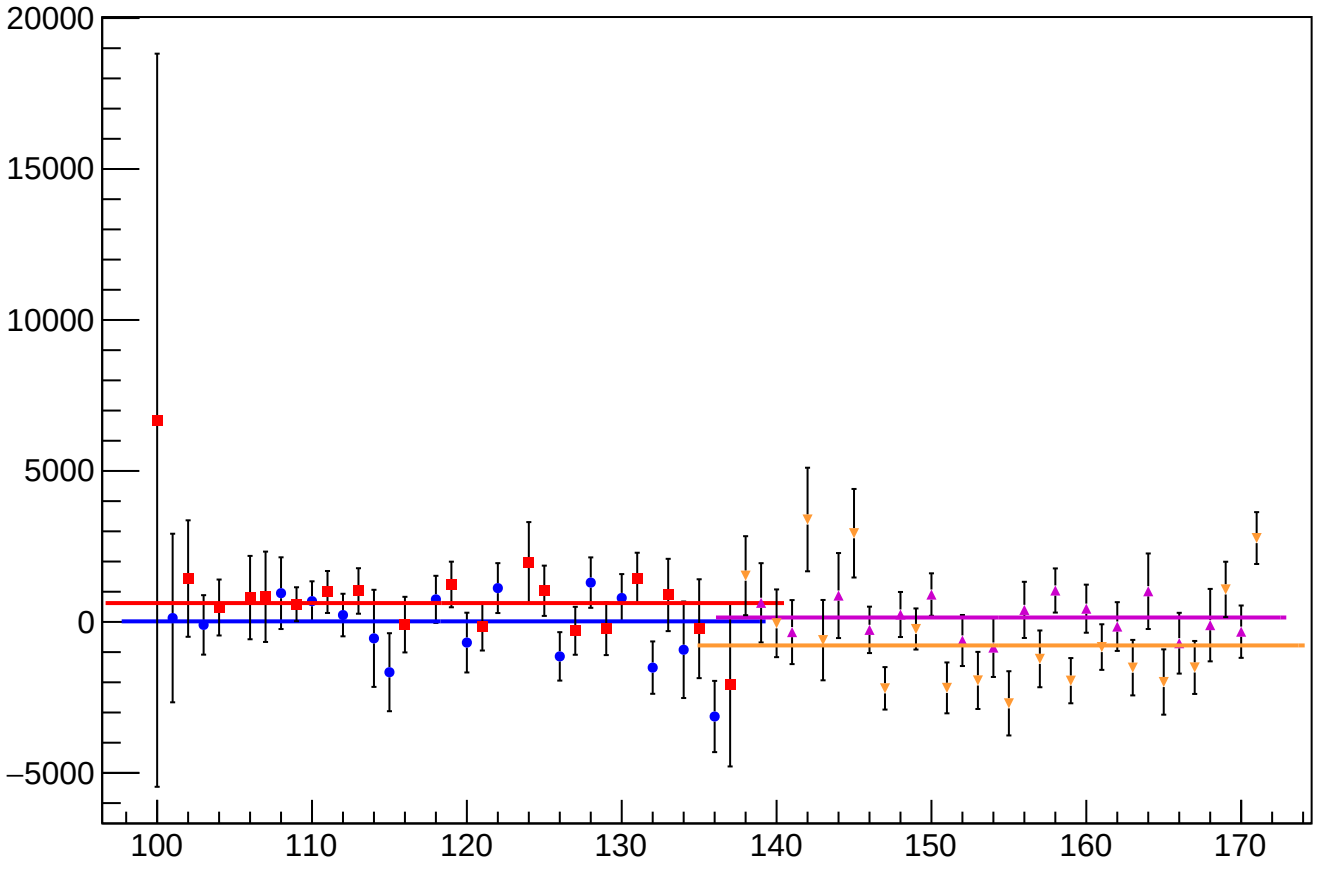
Left: 2731.117+/-0.368 χ^2/NDF: 3898.4/33

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.522+/-0.435 χ^2/NDF:754981.8/31

Out: 2750.906+/-0.419 χ^2/NDF:153285.2/36

All: 2753.613+/-0.302 χ^2/NDF: 908353.4/68



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: 146.790+/-225.132 χ^2/NDF:7.3/15

Left: -329.119+/-156.903 χ^2/NDF: 70.6/33

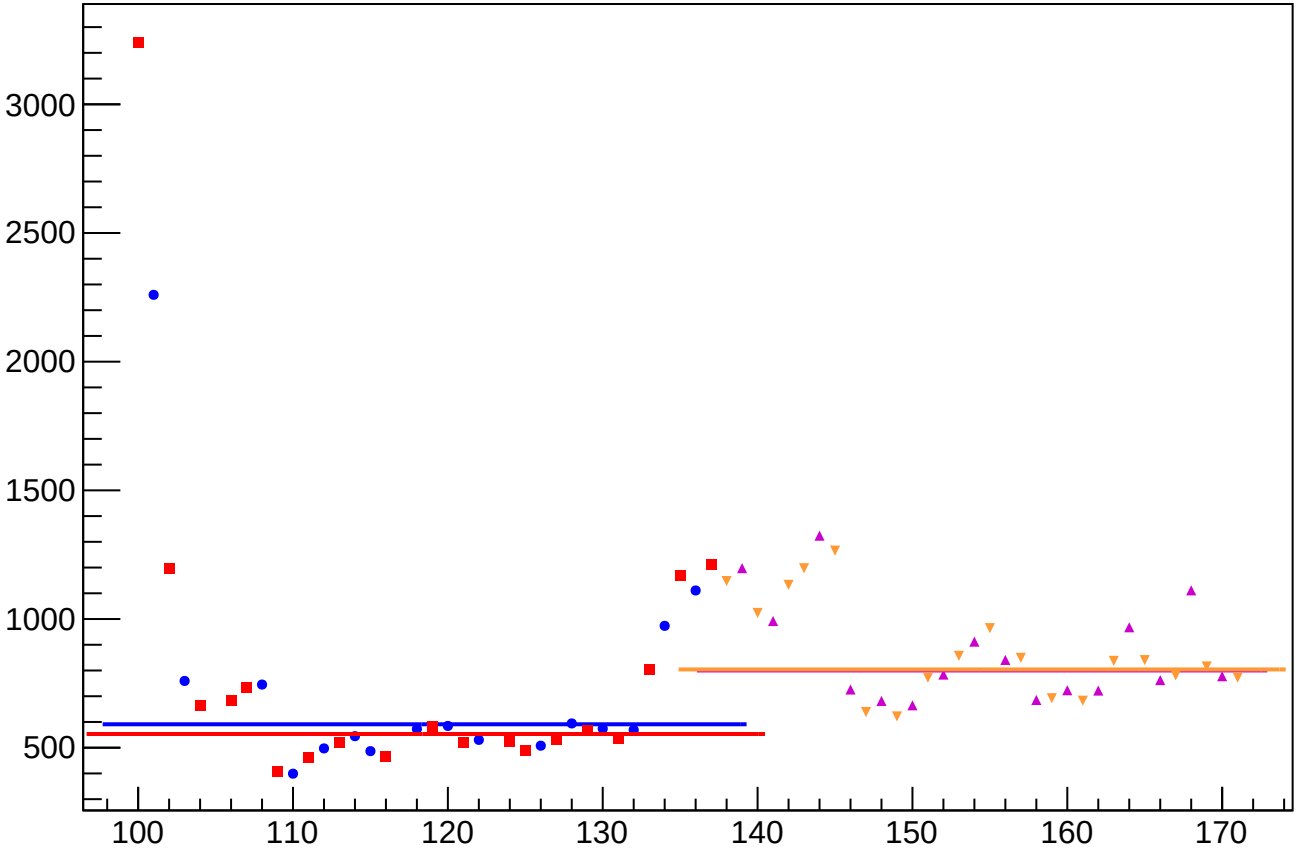
Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 85.189+/-162.060 χ^2/NDF:30.2/31

Out: -67.865+/-153.677 χ^2/NDF:84.6/36

All: 4.601+/-111.512 χ^2/NDF: 115.3/68

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: 800.108+/-0.159 χ^2/NDF:961506.7/15

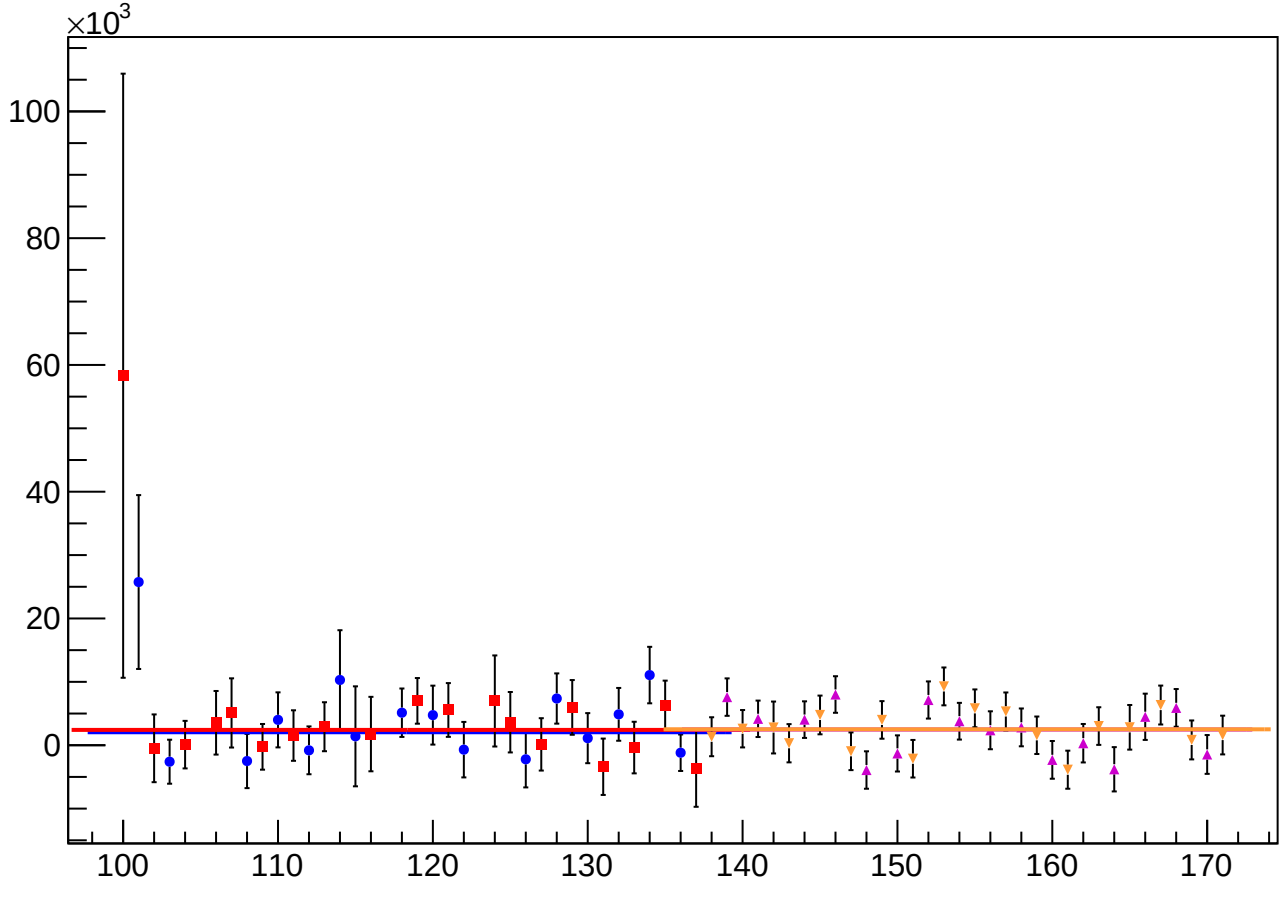
Left: 802.176+/-0.111 χ^2/NDF: 2042337.0/33

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.374+/-0.115 χ^2/NDF:3359181.4/31

Out: 677.012+/-0.109 χ^2/NDF:3514625.0/36

All: 687.600+/-0.079 χ^2/NDF: 6893857.5/68



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: 2477.231+/-751.473 χ^2/NDF:26.1/15

Left: 2495.146+/-520.986 χ^2/NDF: 45.2/33

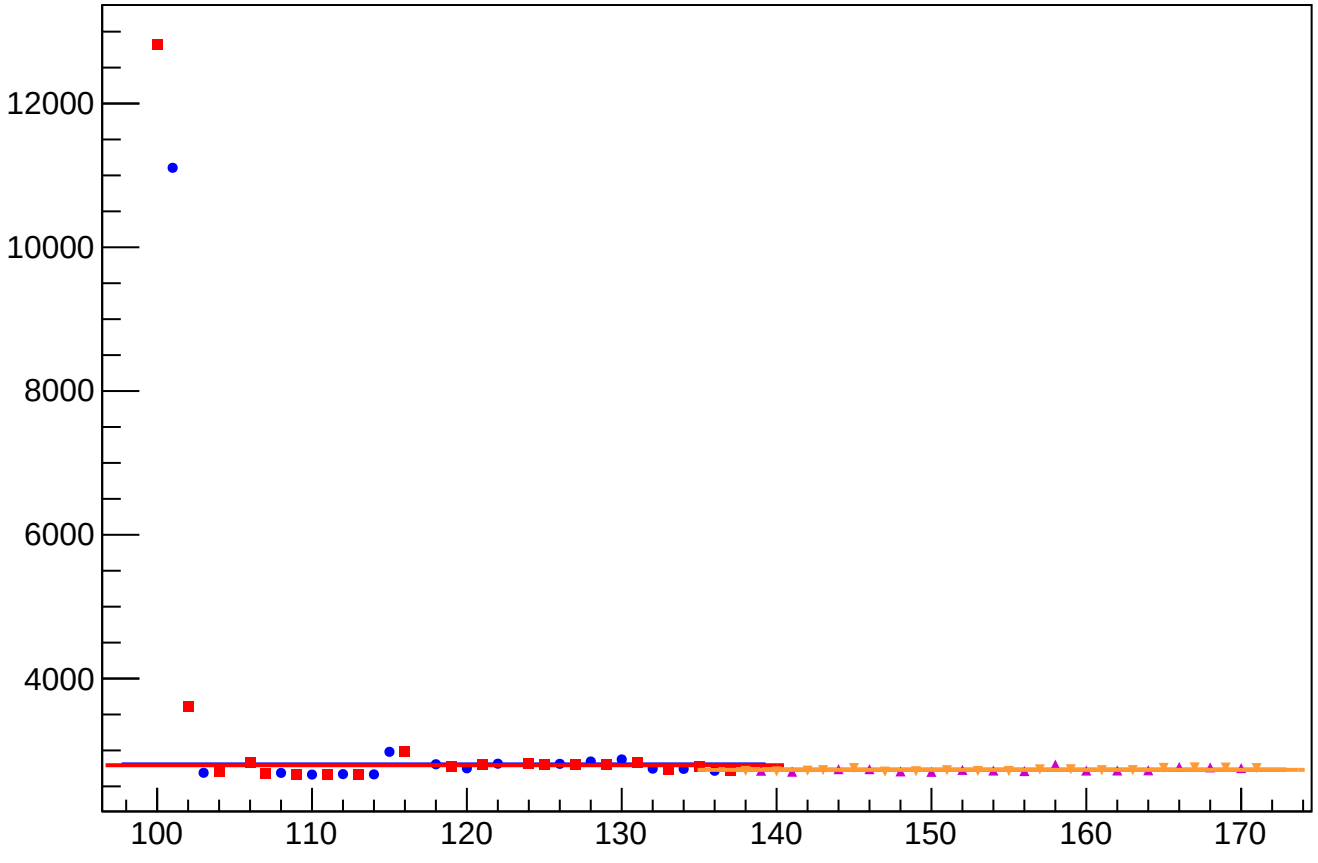
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2335.746+/-615.037 χ^2/NDF:44.0/31

Out: 2481.077+/-593.202 χ^2/NDF:29.9/36

All: 2411.037+/-426.968 χ^2/NDF: 73.9/68

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: 2732.408+/-0.531 χ^2/NDF:2504.6/15

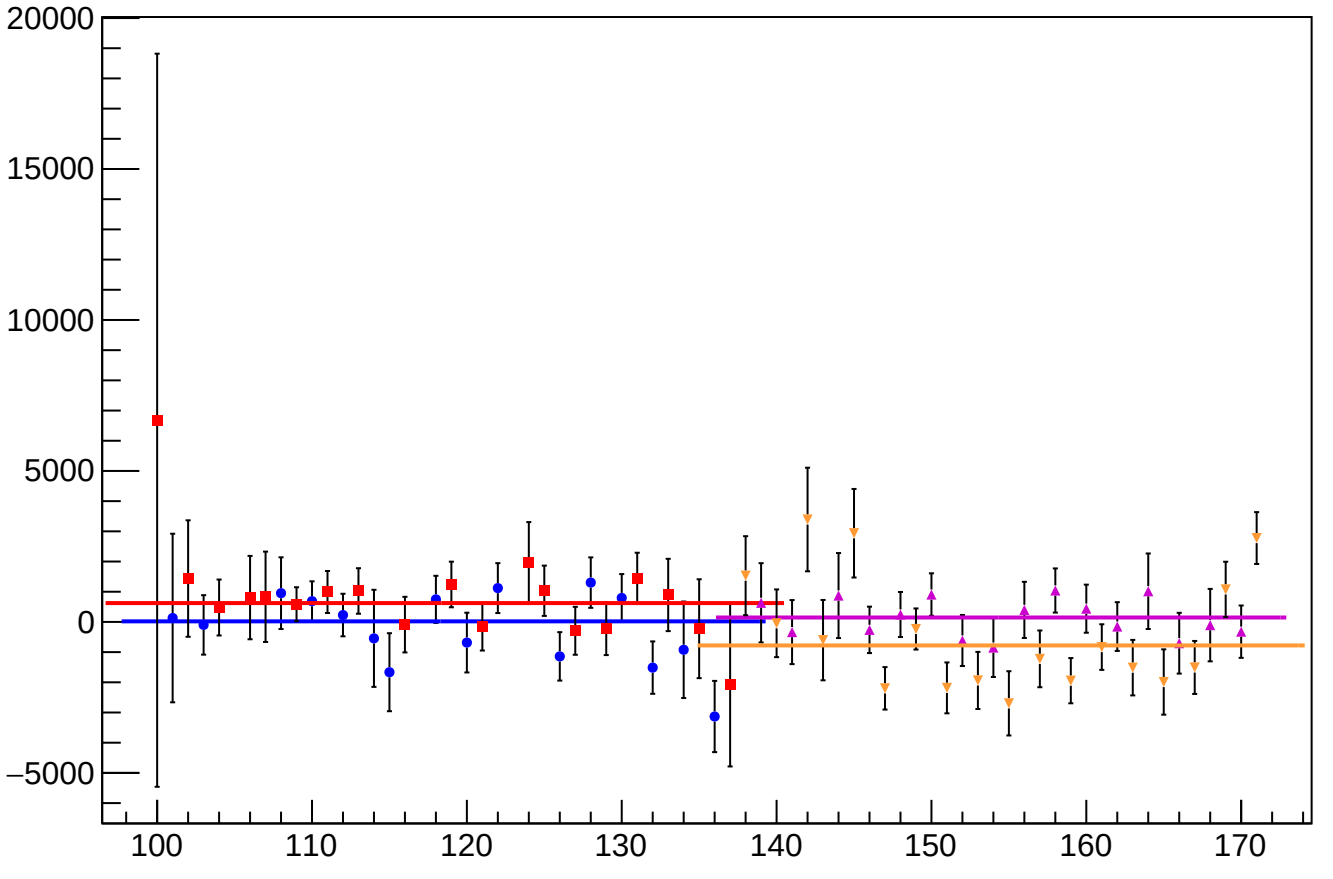
Left: 2731.117+/-0.368 χ^2/NDF: 3898.4/33

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.522+/-0.435 χ^2/NDF:754981.8/31

Out: 2750.906+/-0.419 χ^2/NDF:153285.2/36

All: 2753.613+/-0.302 χ^2/NDF: 908353.4/68



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: 146.790+/-225.132 χ^2/NDF:7.3/15

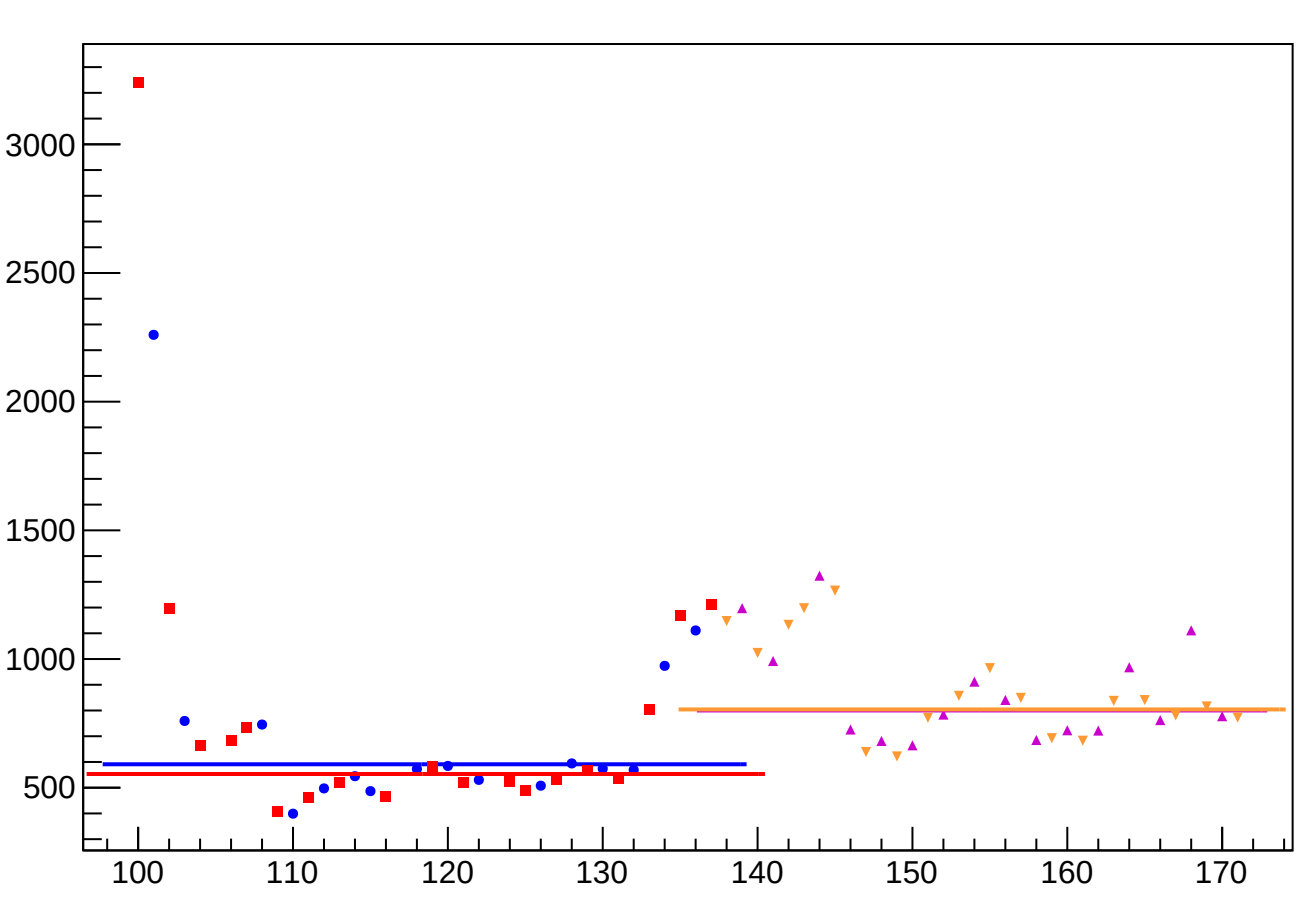
Left: -329.119+/-156.903 χ^2/NDF: 70.6/33

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

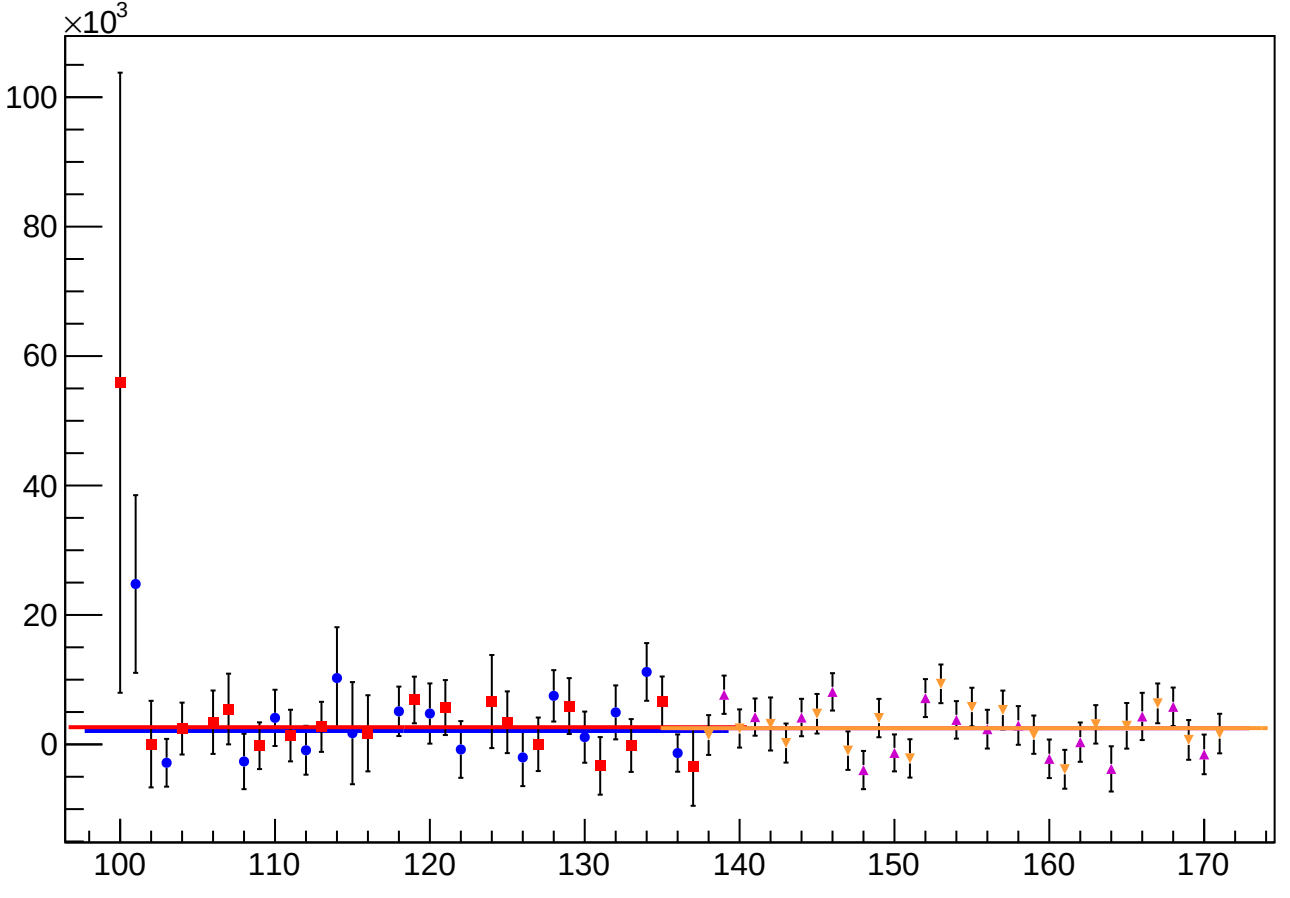
In: 85.189+/-162.060 χ^2/NDF:30.2/31

Out: -67.865+/-153.677 χ^2/NDF:84.6/36

All: 4.601+/-111.512 χ^2/NDF: 115.3/68


asym_atr1_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 591.039+/-0.165 χ²/NDF: 1566635.0/15
Left Out: 804.128+/-0.155 χ²/NDF:1080502.5/17
Right Out: 553.233+/-0.153 χ²/NDF: 1101651.0/18
Left In: 800.108+/-0.159 χ²/NDF:961506.7/15
Left: 802.176+/-0.111 χ²/NDF: 2042337.0/33
Right: 570.660+/-0.112 χ²/NDF: 2696555.4/34
In: 699.374+/-0.115 χ²/NDF:3359181.4/31
Out: 677.012+/-0.109 χ²/NDF:3514625.0/36
All: 687.600+/-0.079 χ²/NDF: 6893857.5/68

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: 2493.280+/-751.920 χ^2/NDF:26.3/15

Left: 2502.569+/-521.321 χ^2/NDF: 45.7/33

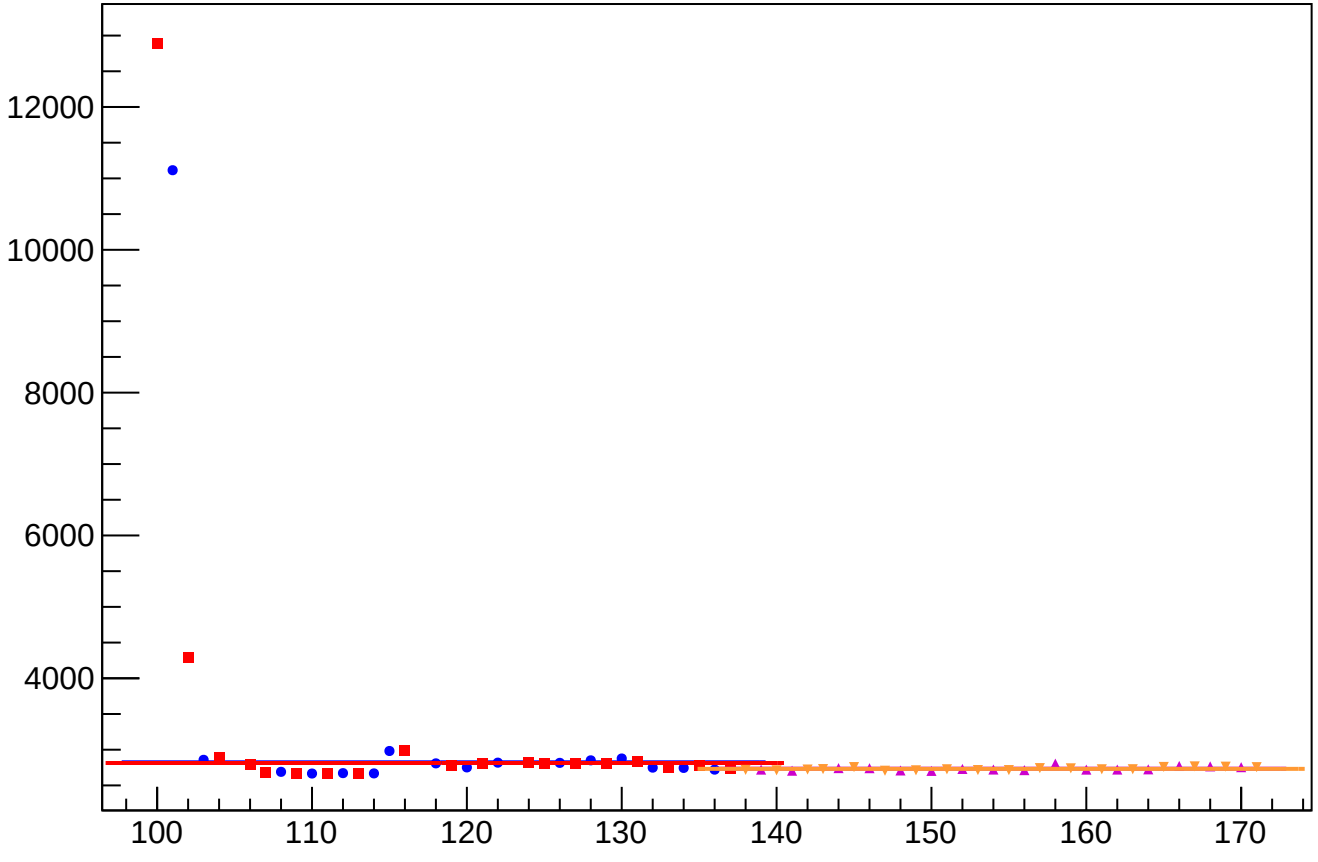
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2356.165+/-616.563 χ^2/NDF:44.3/31

Out: 2558.214+/-595.696 χ^2/NDF:29.3/36

All: 2460.666+/-428.408 χ^2/NDF: 73.6/68

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: 2734.025+/-0.532 χ^2/NDF:2520.4/15

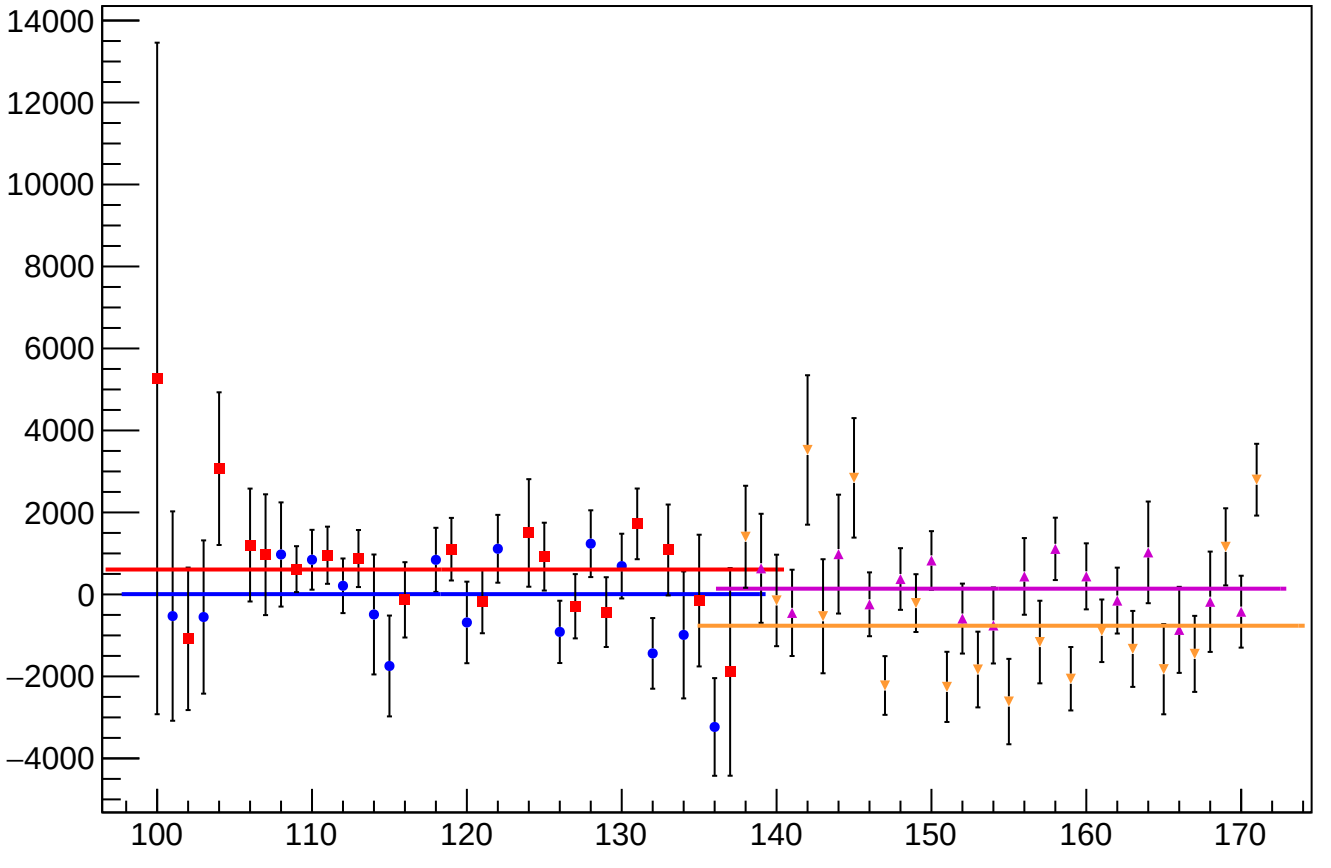
Left: 2732.865+/-0.369 χ^2/NDF: 3934.8/33

Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

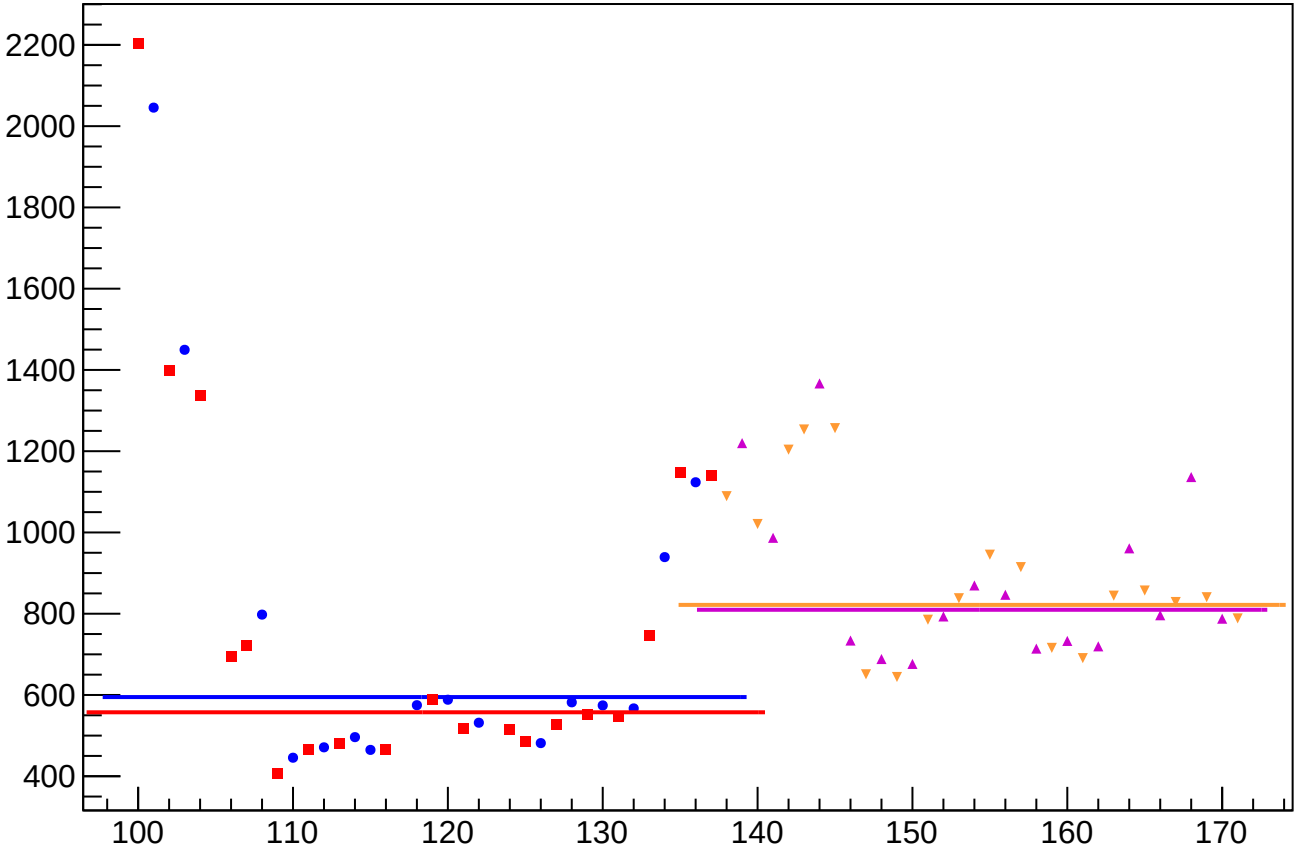
In: 2763.322+/-0.436 χ^2/NDF:755703.9/31

Out: 2758.200+/-0.421 χ^2/NDF:210196.2/36

All: 2760.673+/-0.303 χ^2/NDF: 965971.5/68


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: 139.935+/-227.391 χ²/NDF:7.6/15
Left: -320.702+/-159.194 χ²/NDF: 68.6/33
Right: 334.198+/-160.224 χ²/NDF: 38.5/34
In: 76.367+/-164.233 χ²/NDF:30.6/31
Out: -59.700+/-155.535 χ²/NDF:84.5/36
All: 4.635+/-112.929 χ²/NDF: 115.4/68

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: 809.679+/-0.161 χ^2/NDF:943178.6/15

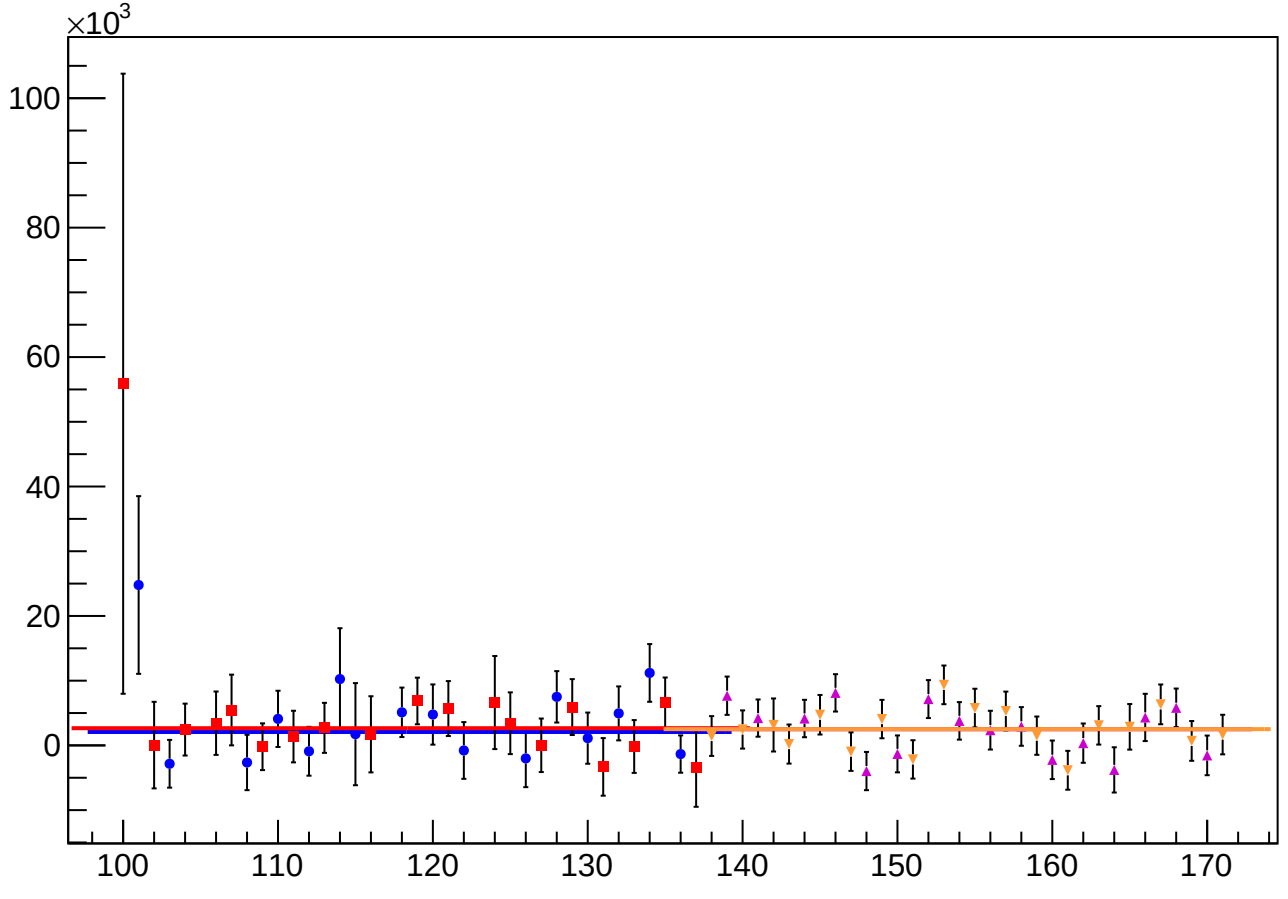
Left: 815.820+/-0.113 χ^2/NDF: 1954177.6/33

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 706.917+/-0.116 χ^2/NDF:3649702.3/31

Out: 686.048+/-0.110 χ^2/NDF:4082521.9/36

All: 695.915+/-0.080 χ^2/NDF: 7749249.1/68



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: 2493.280+/-751.920 χ^2/NDF:26.3/15

Left: 2502.570+/-521.321 χ^2/NDF: 45.7/33

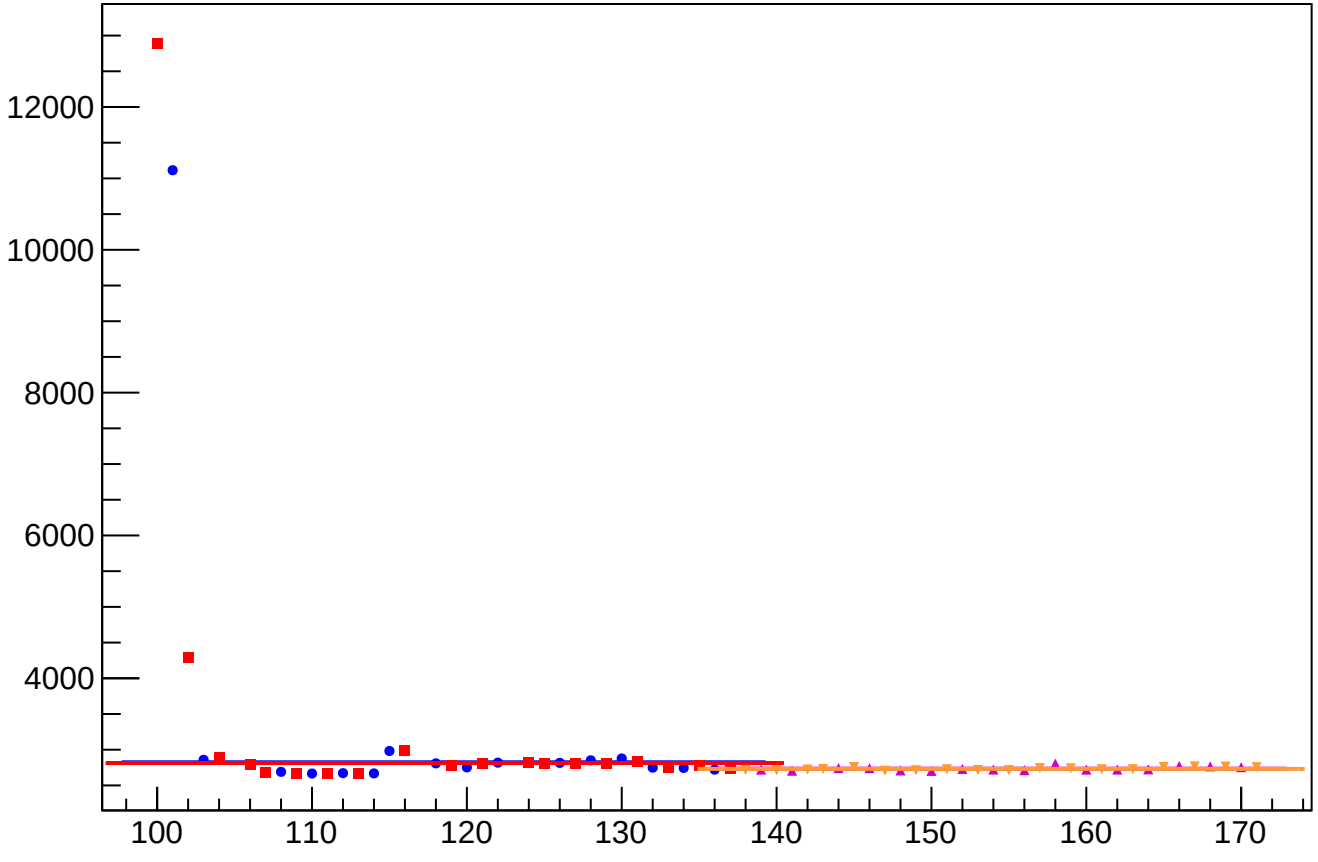
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2356.164+/-616.563 χ^2/NDF:44.3/31

Out: 2558.215+/-595.696 χ^2/NDF:29.3/36

All: 2460.666+/-428.408 χ^2/NDF: 73.6/68

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: 2734.025+/-0.532 χ^2/NDF:2520.4/15

Left: 2732.865+/-0.369 χ^2/NDF: 3934.8/33

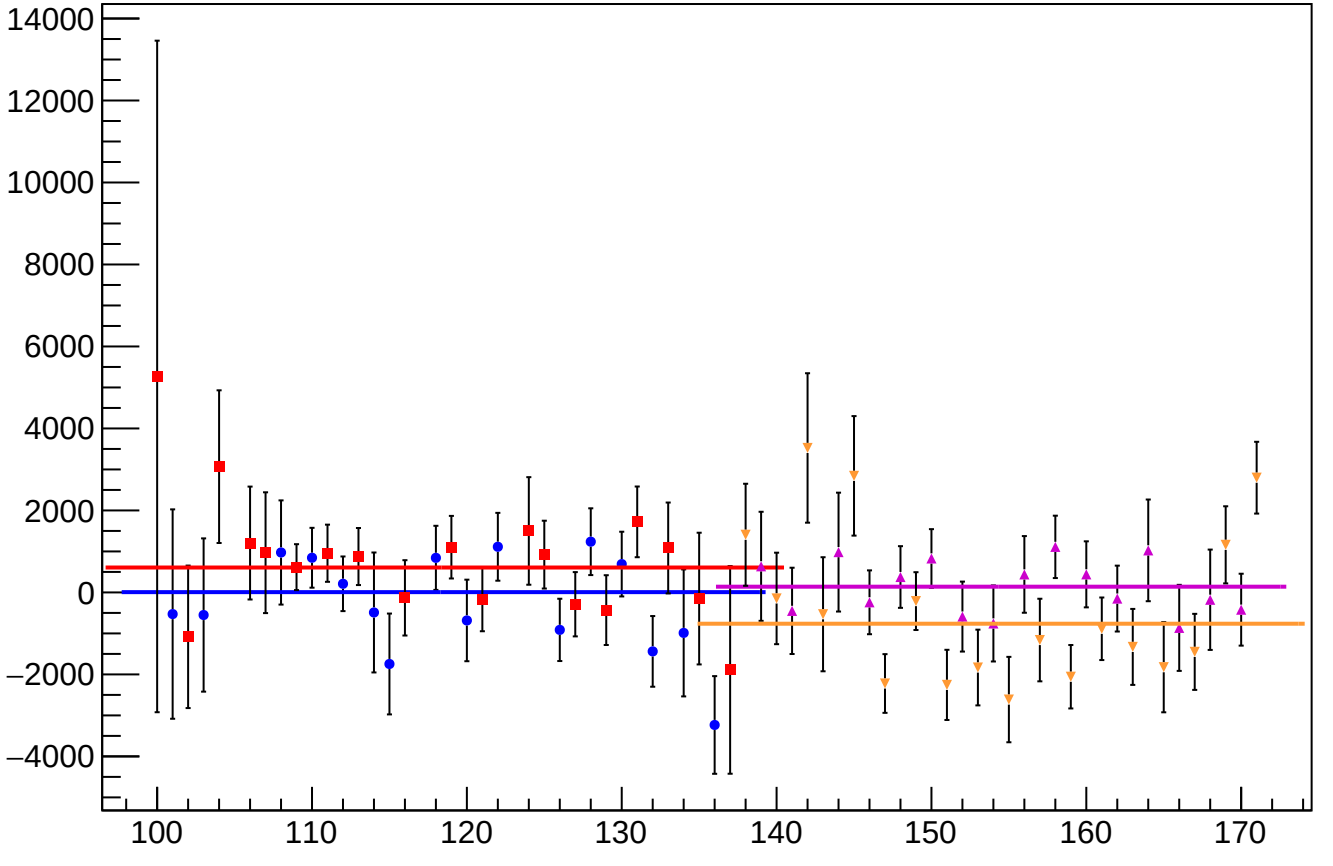
Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2763.322+/-0.436 χ^2/NDF:755703.8/31

Out: 2758.200+/-0.421 χ^2/NDF:210196.0/36

All: 2760.673+/-0.303 χ^2/NDF: 965971.2/68

asym_atr1_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 139.935+/-227.391 χ^2/NDF:7.6/15

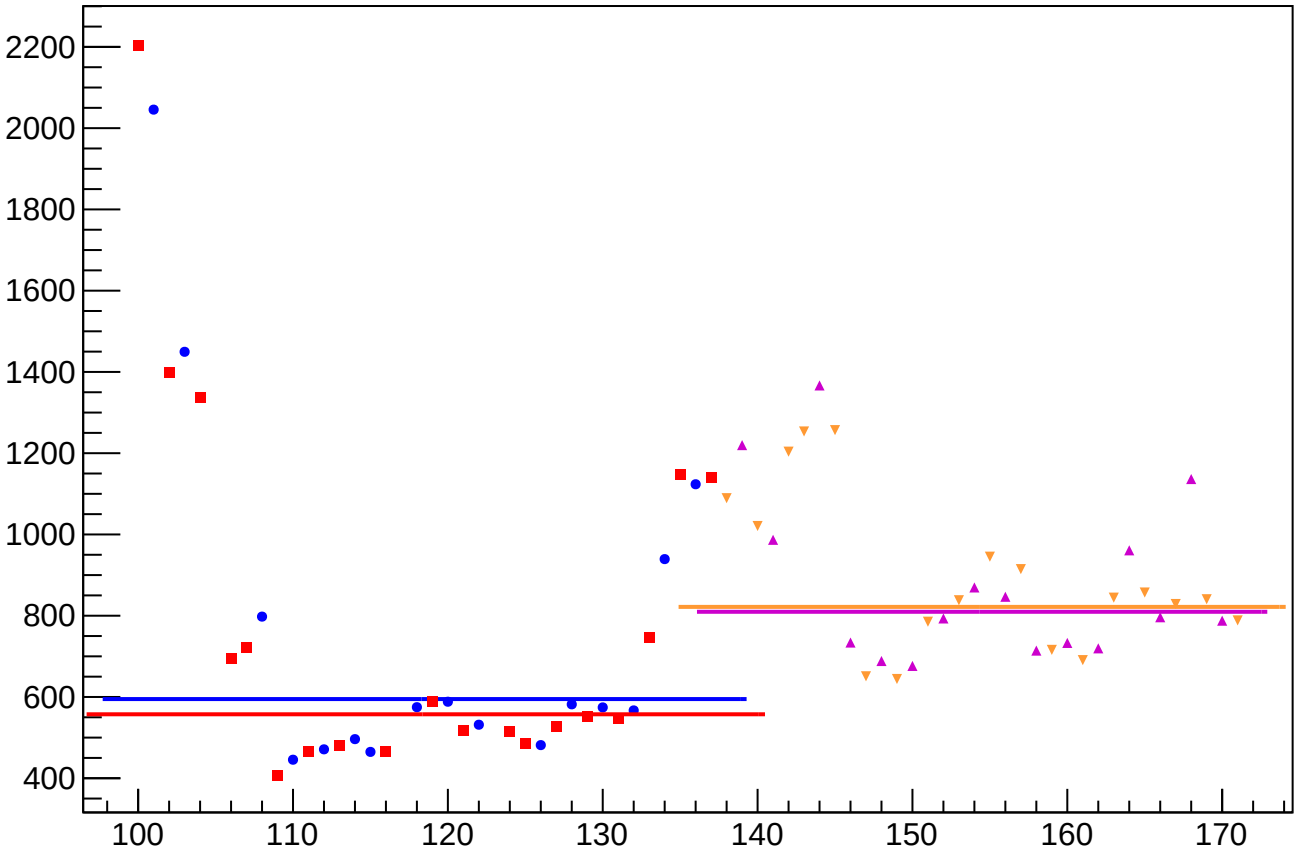
Left: -320.703+/-159.194 χ^2/NDF: 68.6/33

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 76.367+/-164.233 χ^2/NDF:30.6/31

Out: -59.701+/-155.535 χ^2/NDF:84.5/36

All: 4.635+/-112.929 χ^2/NDF: 115.4/68



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: 809.679+/-0.161 χ^2/NDF:943181.9/15

Left: 815.820+/-0.113 χ^2/NDF: 1954183.1/33

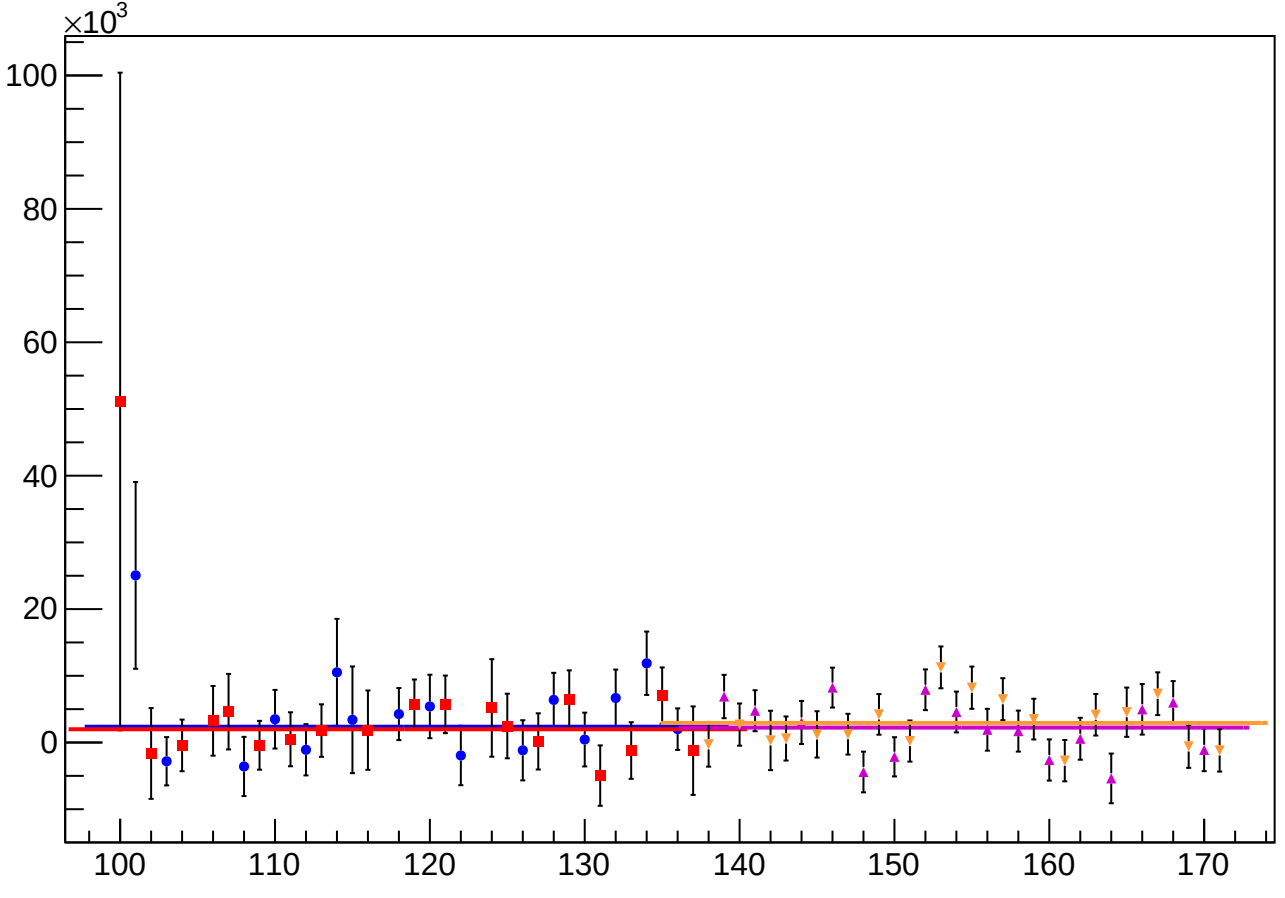
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 706.917+/-0.116 χ^2/NDF:3649696.3/31

Out: 686.048+/-0.110 χ^2/NDF:4082521.2/36

All: 695.915+/-0.080 χ^2/NDF: 7749242.4/68

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: 2234.098+/-791.292 χ^2/NDF:27.8/15

Left: 2596.727+/-549.305 χ^2/NDF: 51.1/33

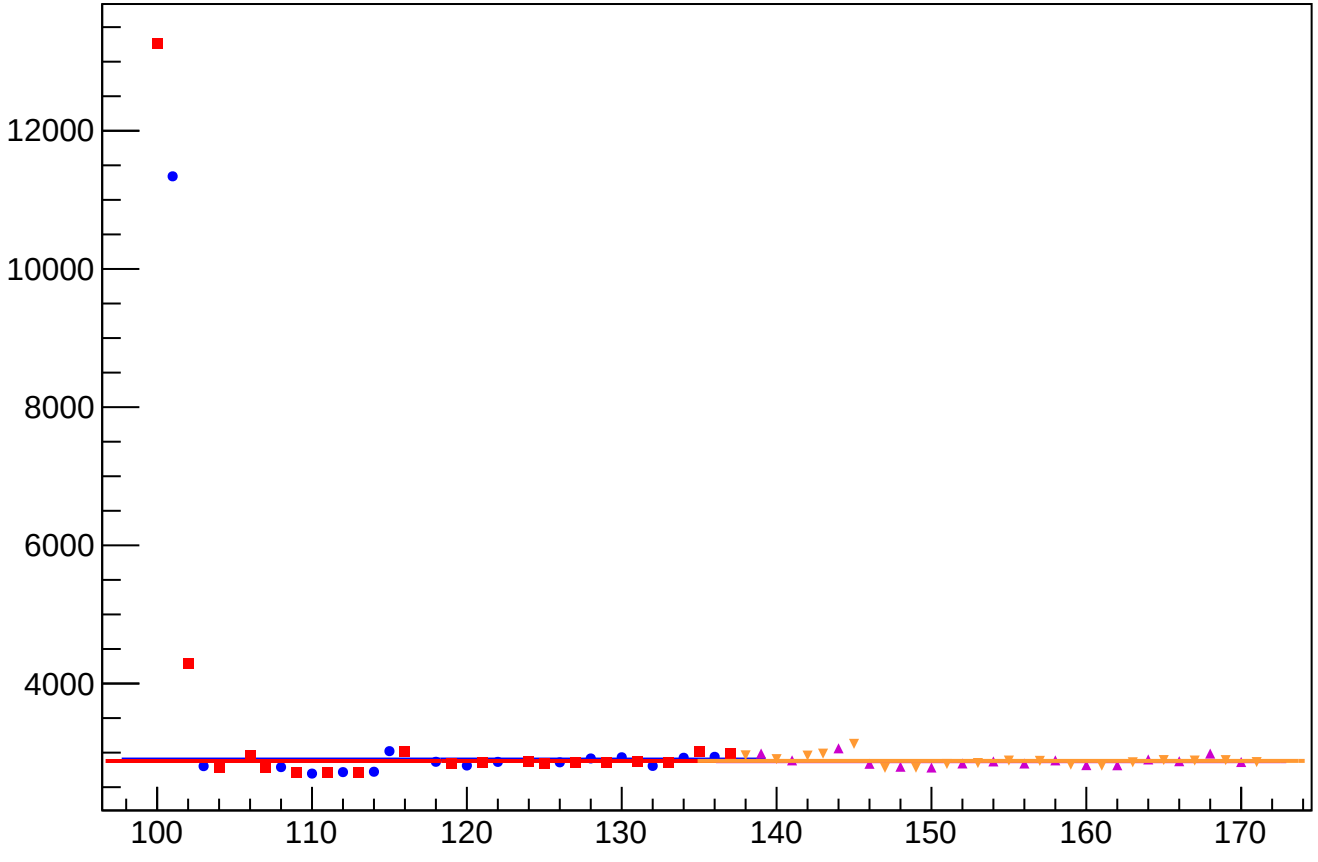
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2279.142+/-643.585 χ^2/NDF:44.7/31

Out: 2616.817+/-622.343 χ^2/NDF:33.6/36

All: 2453.644+/-447.384 χ^2/NDF: 78.5/68

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: 2876.151+/-0.560 χ^2/NDF:16980.3/15

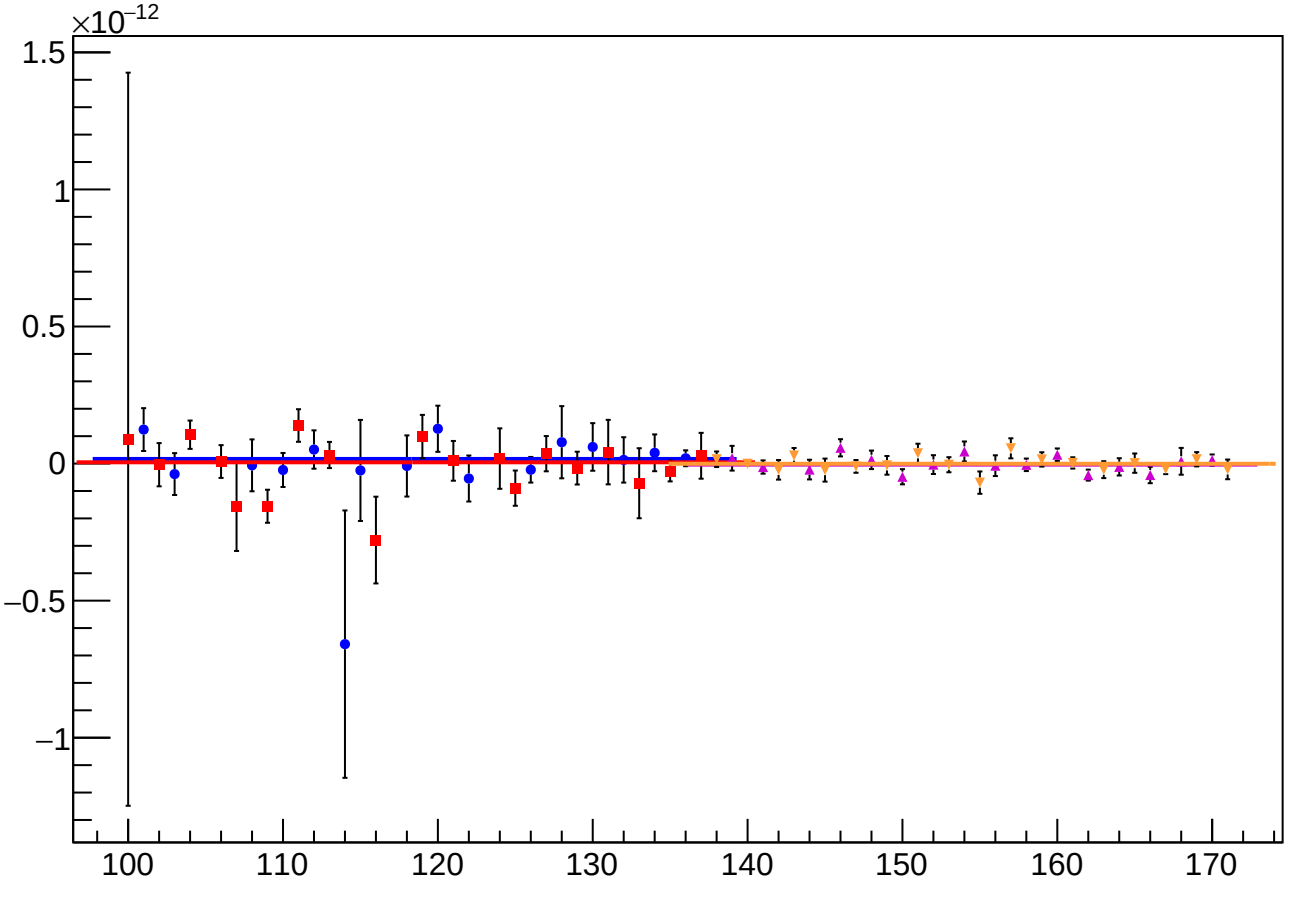
Left: 2878.334+/-0.388 χ^2/NDF: 37627.9/33

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2884.165+/-0.455 χ^2/NDF:759404.5/31

Out: 2879.893+/-0.440 χ^2/NDF:213902.9/36

All: 2881.958+/-0.316 χ^2/NDF: 973353.0/68



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:17.5/15

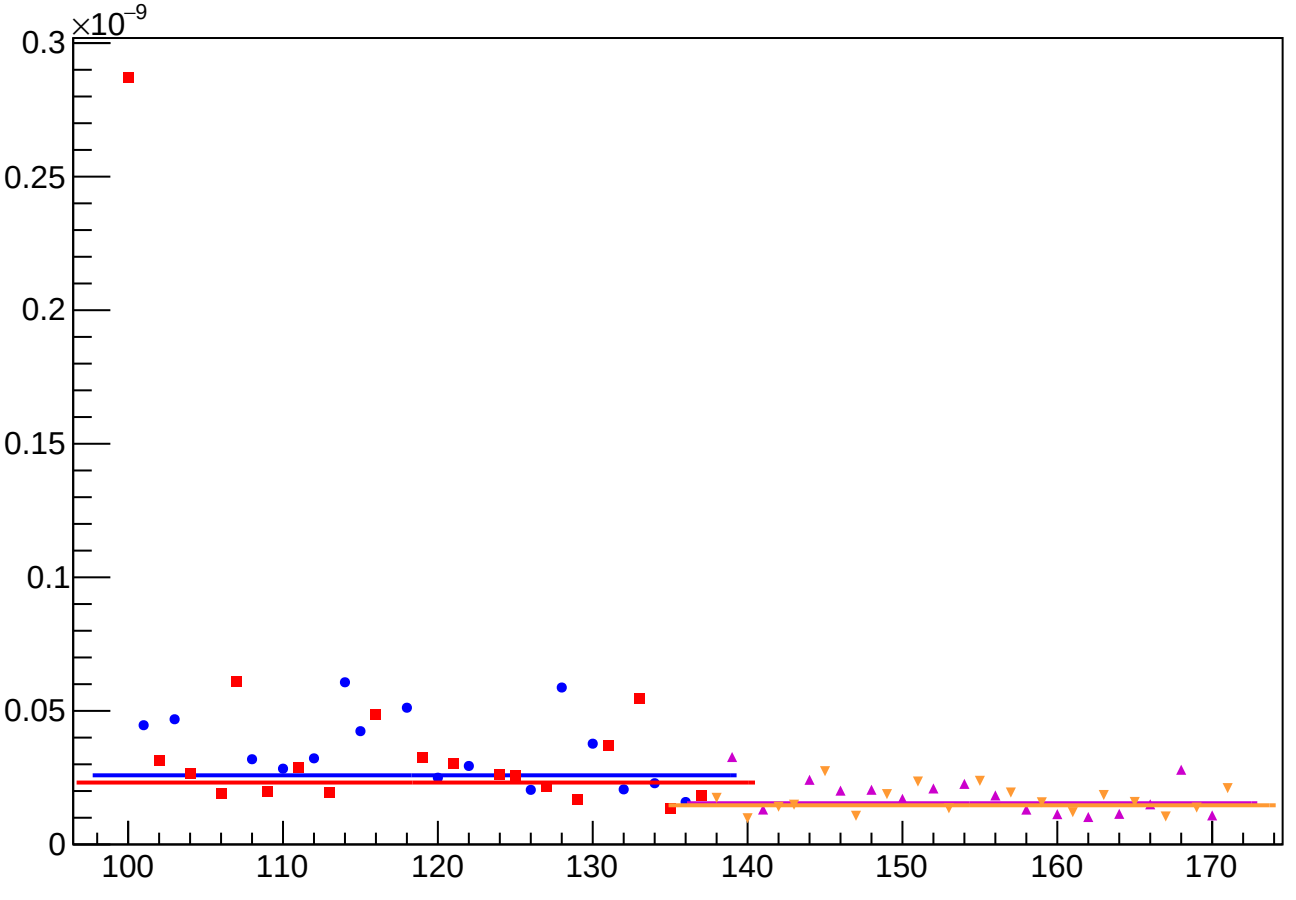
Left: -0.000+/-0.000 χ^2/NDF: 29.0/33

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:27.7/31

Out: 0.000+/-0.000 χ^2/NDF:37.2/36

All: -0.000+/-0.000 χ^2/NDF: 64.9/68



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:1150178.0/15

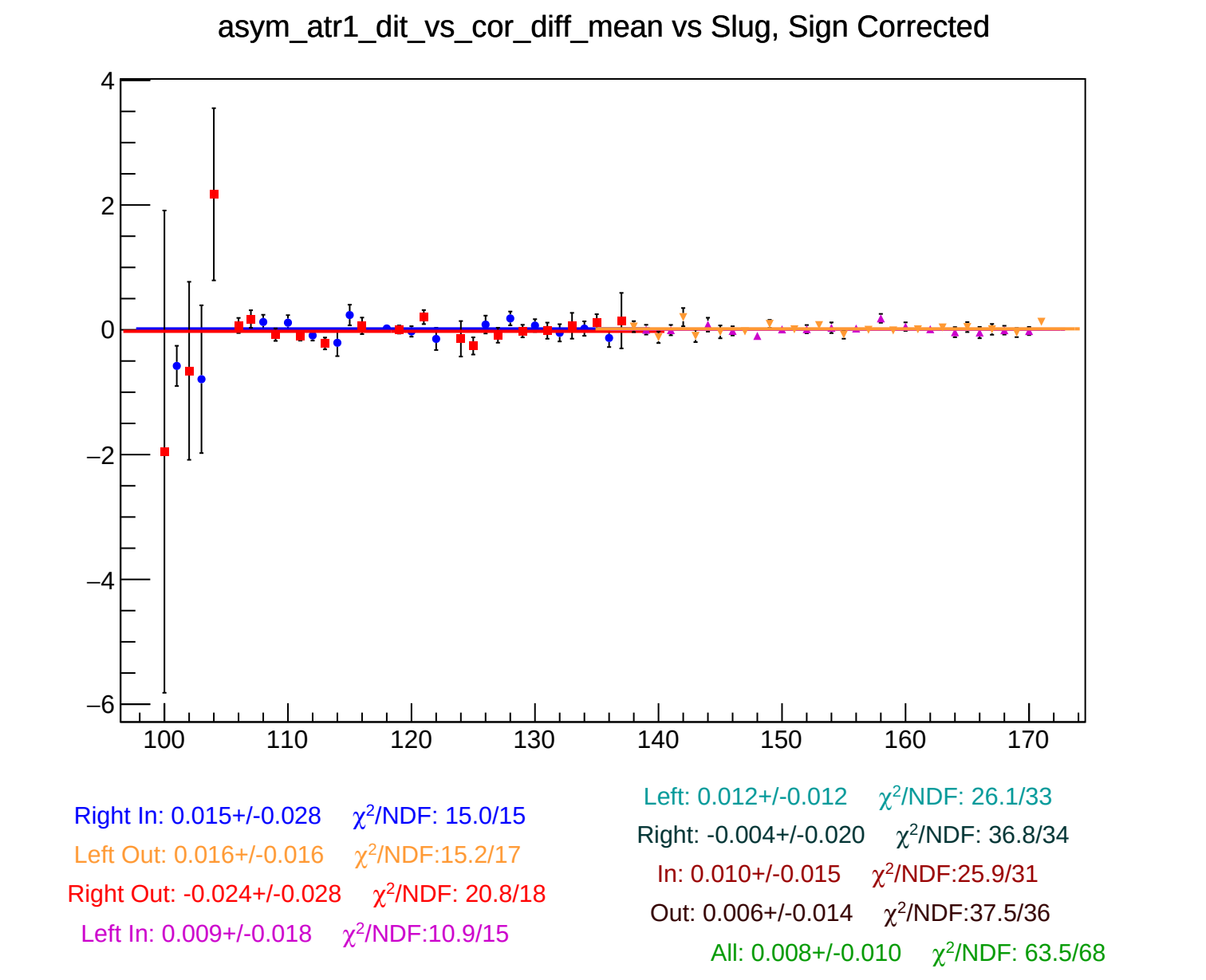
Left: 0.000+/-0.000 χ^2/NDF: 2091606.5/33

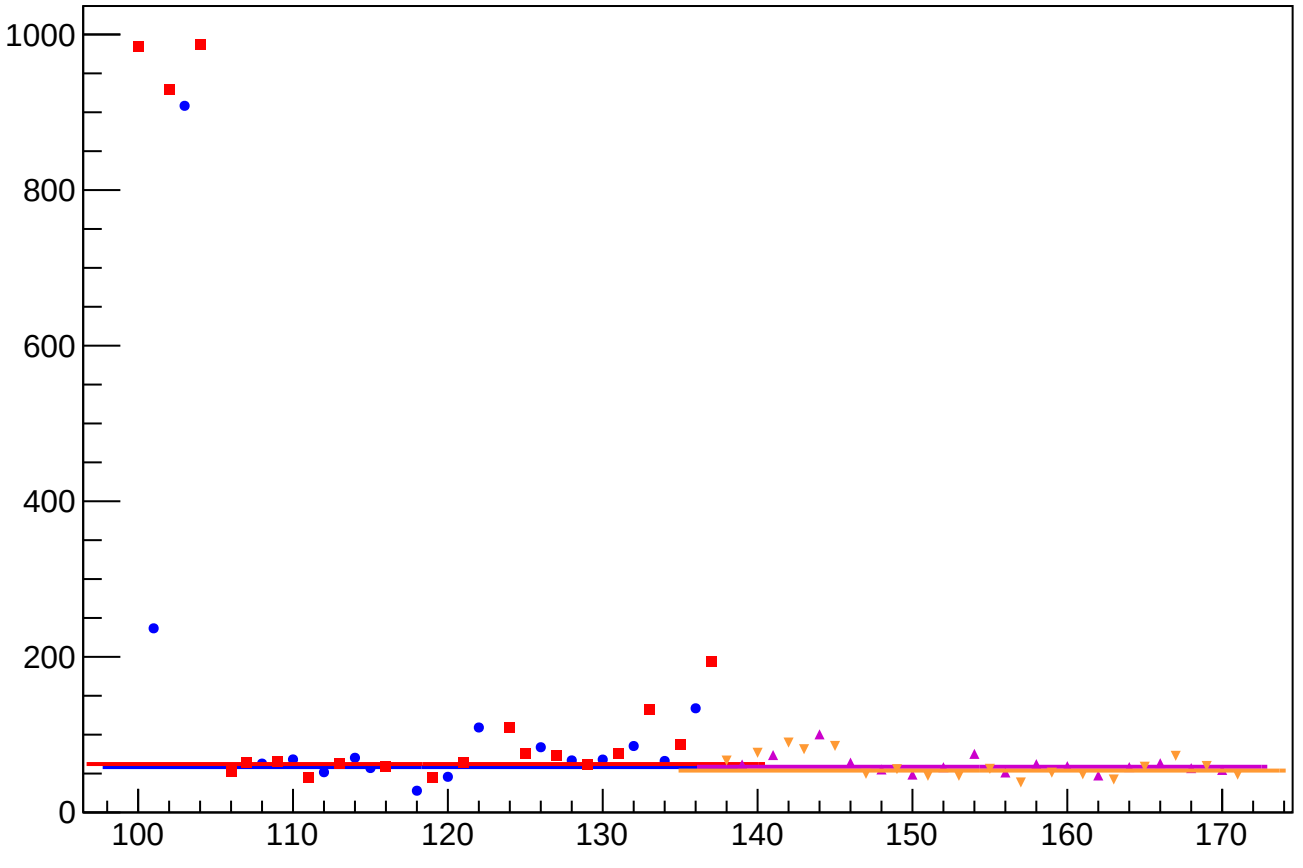
Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2667582.8/31

Out: 0.000+/-0.000 χ^2/NDF:2120426.6/36

All: 0.000+/-0.000 χ^2/NDF: 4818763.7/68


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.028 χ²/NDF: 15.0/15
Left Out: 0.016+/-0.016 χ²/NDF:15.2/17
Right Out: -0.024+/-0.028 χ²/NDF: 20.8/18
Left In: 0.009+/-0.018 χ²/NDF:10.9/15
Left: 0.012+/-0.012 χ²/NDF: 26.1/33
Right: -0.004+/-0.020 χ²/NDF: 36.8/34
In: 0.010+/-0.015 χ²/NDF:25.9/31
Out: 0.006+/-0.014 χ²/NDF:37.5/36
All: 0.008+/-0.010 χ²/NDF: 63.5/68



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: 58.720+/-0.013 χ^2/NDF:624563.3/15

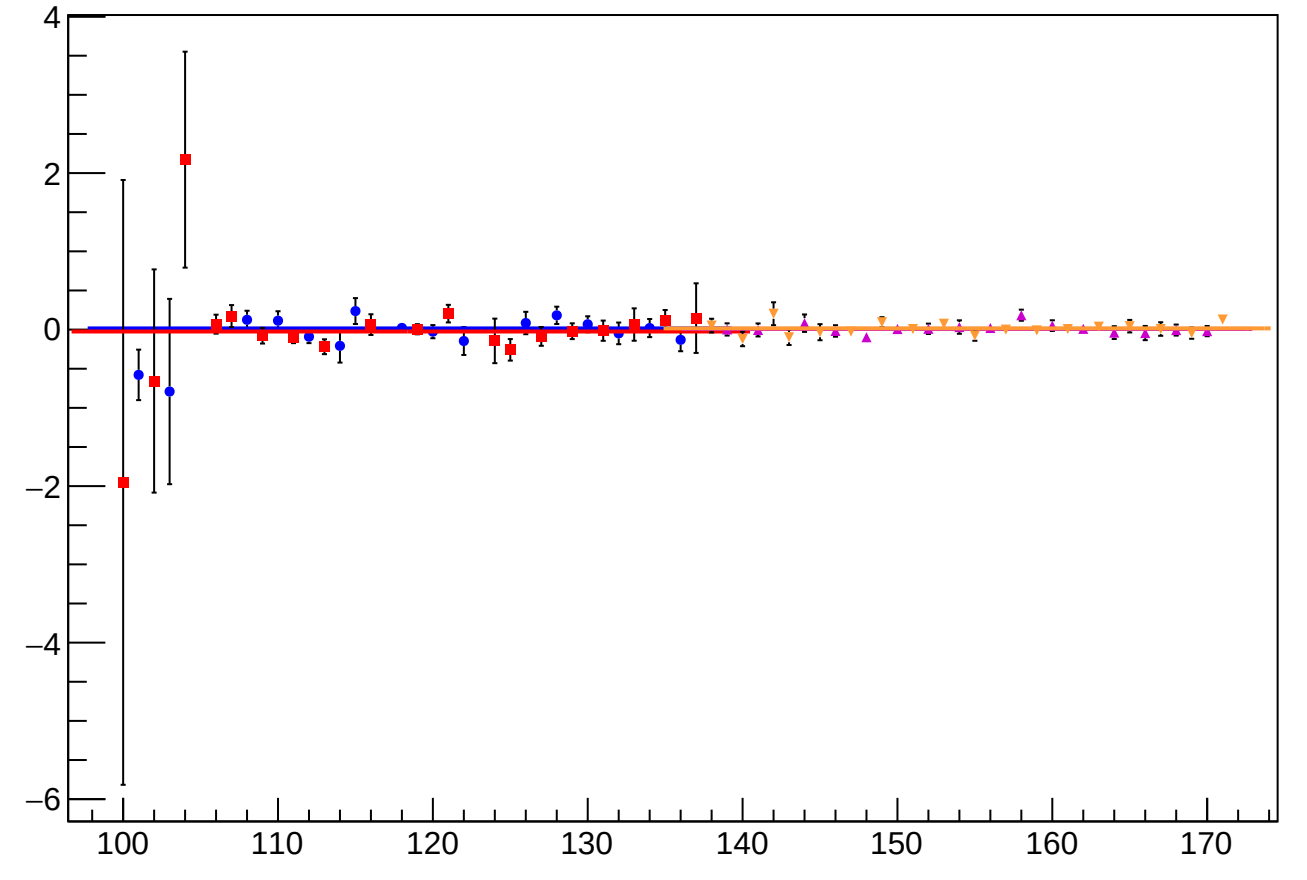
Left: 56.055+/-0.008 χ^2/NDF: 1781921.5/33

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.602+/-0.011 χ^2/NDF:3885271.7/31

Out: 55.933+/-0.010 χ^2/NDF:3836259.2/36

All: 57.185+/-0.007 χ^2/NDF: 7755382.9/68



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: 0.009+/-0.018 χ^2/NDF:10.9/15

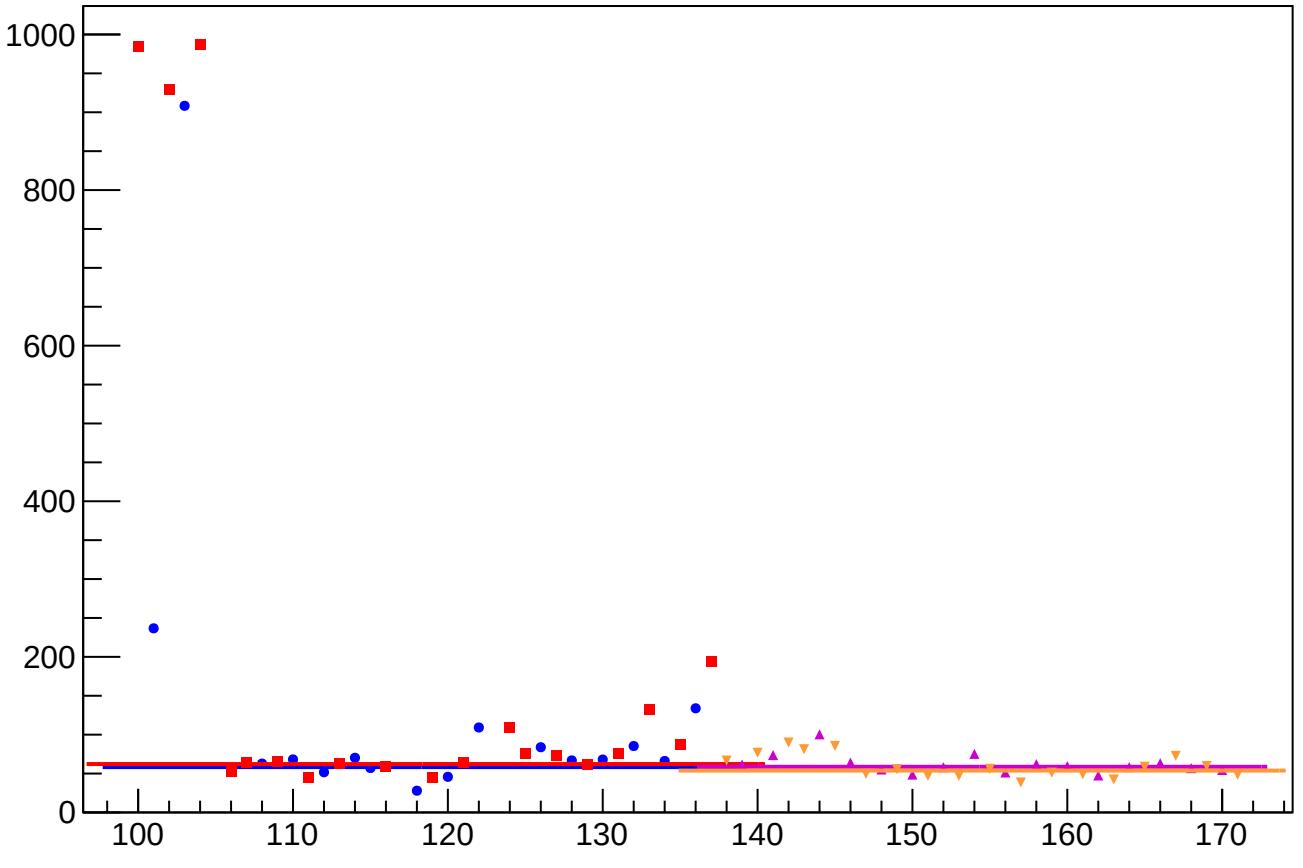
Left: 0.012+/-0.012 χ^2/NDF: 26.1/33

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.010+/-0.015 χ^2/NDF:25.9/31

Out: 0.006+/-0.014 χ^2/NDF:37.5/36

All: 0.008+/-0.010 χ^2/NDF: 63.5/68



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: 58.720+/-0.013 χ^2/NDF:624563.3/15

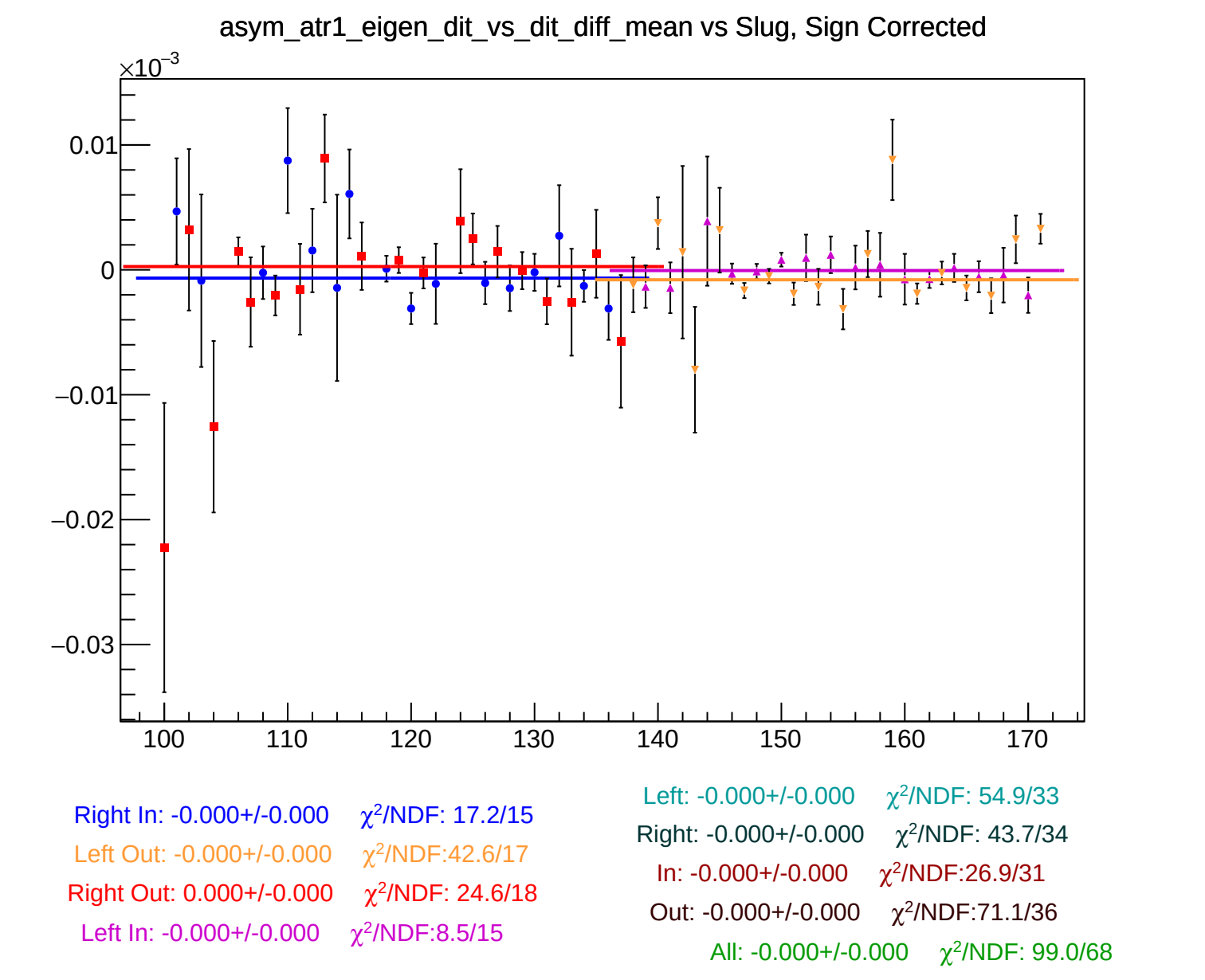
Left: 56.055+/-0.008 χ^2/NDF: 1781921.5/33

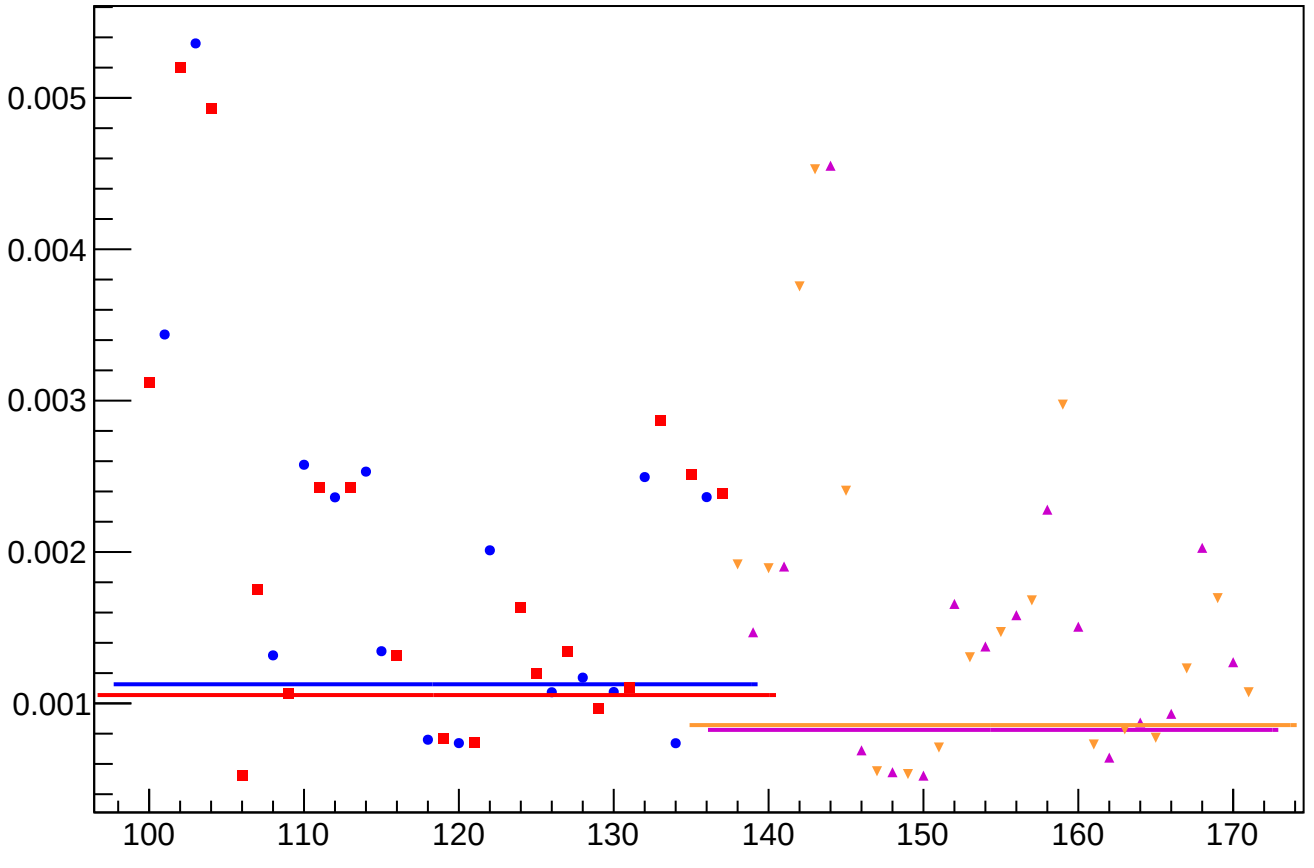
Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.602+/-0.011 χ^2/NDF:3885271.7/31

Out: 55.933+/-0.010 χ^2/NDF:3836259.2/36

All: 57.185+/-0.007 χ^2/NDF: 7755382.9/68


asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 17.2/15
Left Out: -0.000+/-0.000 χ²/NDF:42.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 24.6/18
Left In: -0.000+/-0.000 χ²/NDF:8.5/15
Left: -0.000+/-0.000 χ²/NDF: 54.9/33
Right: -0.000+/-0.000 χ²/NDF: 43.7/34
In: -0.000+/-0.000 χ²/NDF:26.9/31
Out: -0.000+/-0.000 χ²/NDF:71.1/36
All: -0.000+/-0.000 χ²/NDF: 99.0/68



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:5868200.6/15

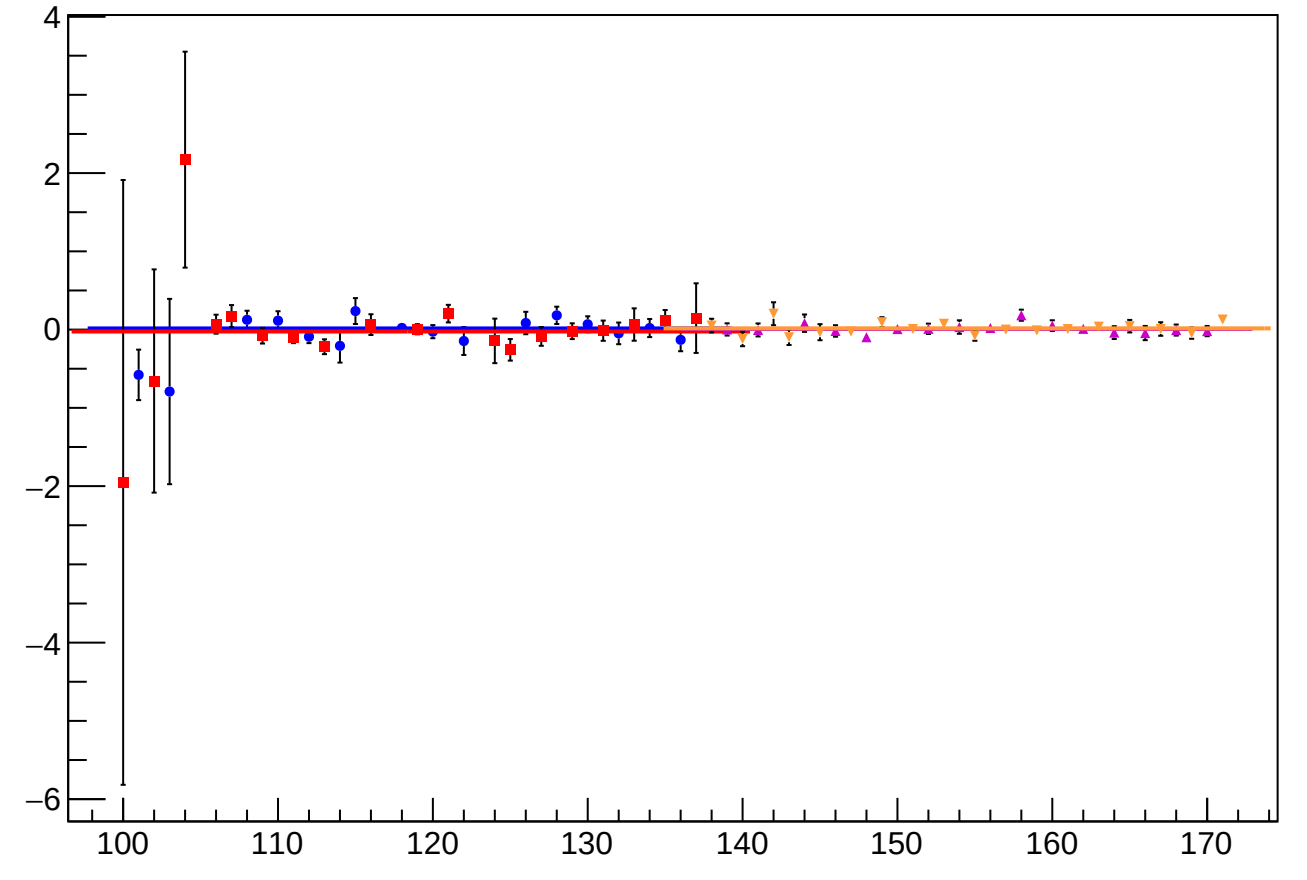
Left: 0.001+/-0.000 χ^2/NDF: 12265524.0/33

Right: 0.001+/-0.000 χ^2/NDF: 7323820.3/34

In: 0.001+/-0.000 χ^2/NDF:9902394.8/31

Out: 0.001+/-0.000 χ^2/NDF:10505389.5/36

All: 0.001+/-0.000 χ^2/NDF: 20410156.6/68



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: 0.009+/-0.018 χ^2/NDF:10.9/15

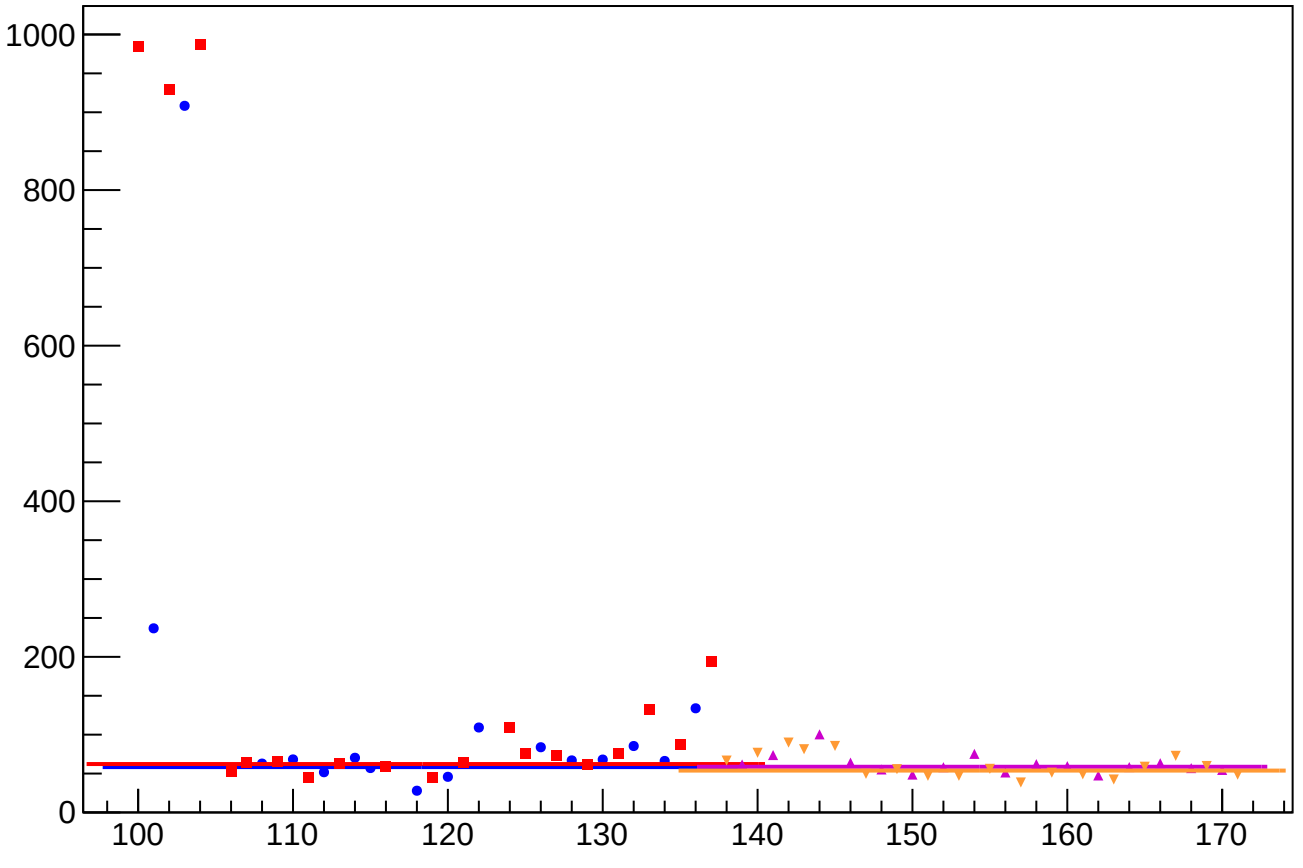
Left: 0.012+/-0.012 χ^2/NDF: 26.1/33

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.010+/-0.015 χ^2/NDF:25.9/31

Out: 0.006+/-0.014 χ^2/NDF:37.5/36

All: 0.008+/-0.010 χ^2/NDF: 63.5/68



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: 58.720+/-0.013 χ^2/NDF:624586.3/15

Left: 56.055+/-0.008 χ^2/NDF: 1782030.8/33

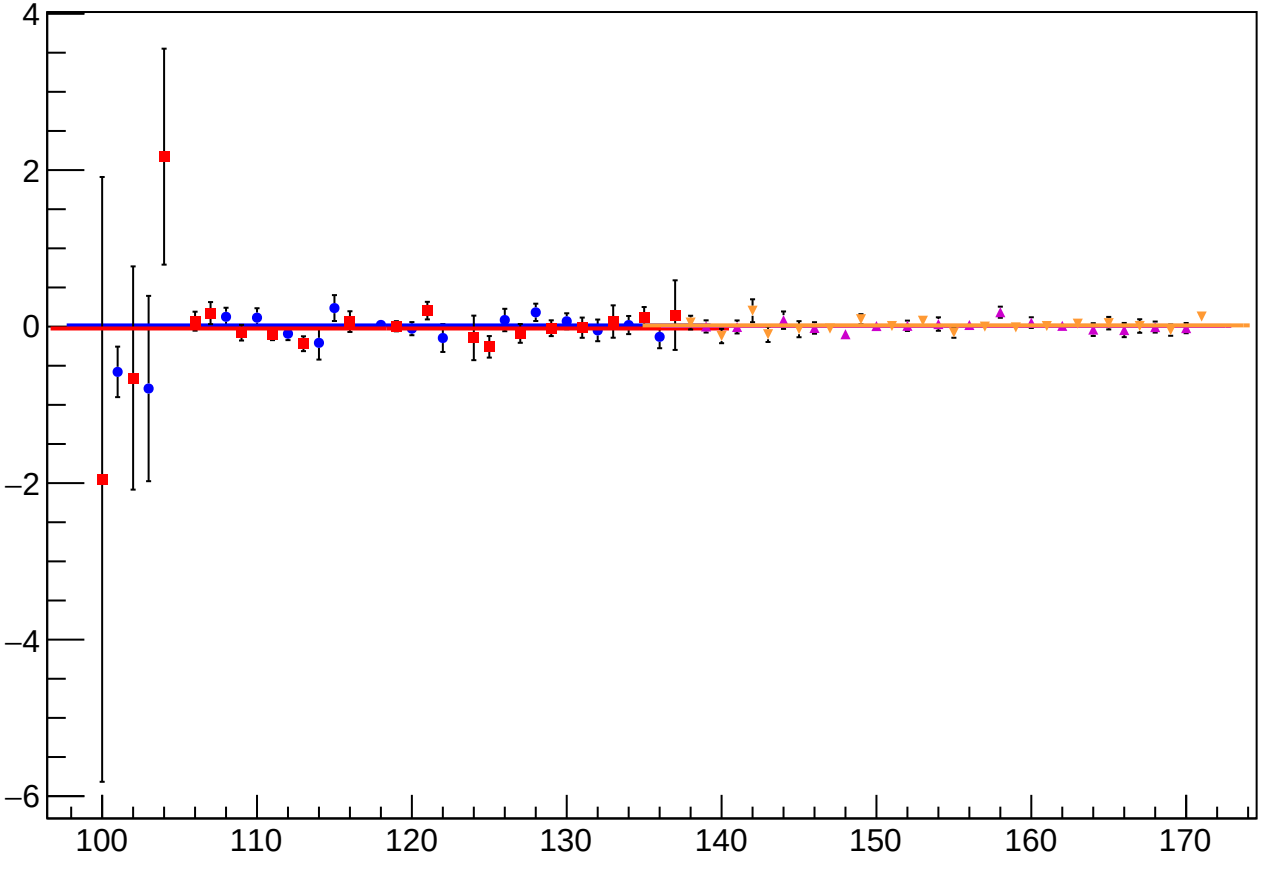
Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.602+/-0.011 χ^2/NDF:3885375.9/31

Out: 55.933+/-0.010 χ^2/NDF:3836330.4/36

All: 57.185+/-0.007 χ^2/NDF: 7755564.4/68

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: 0.009+/-0.018 χ^2/NDF:10.9/15

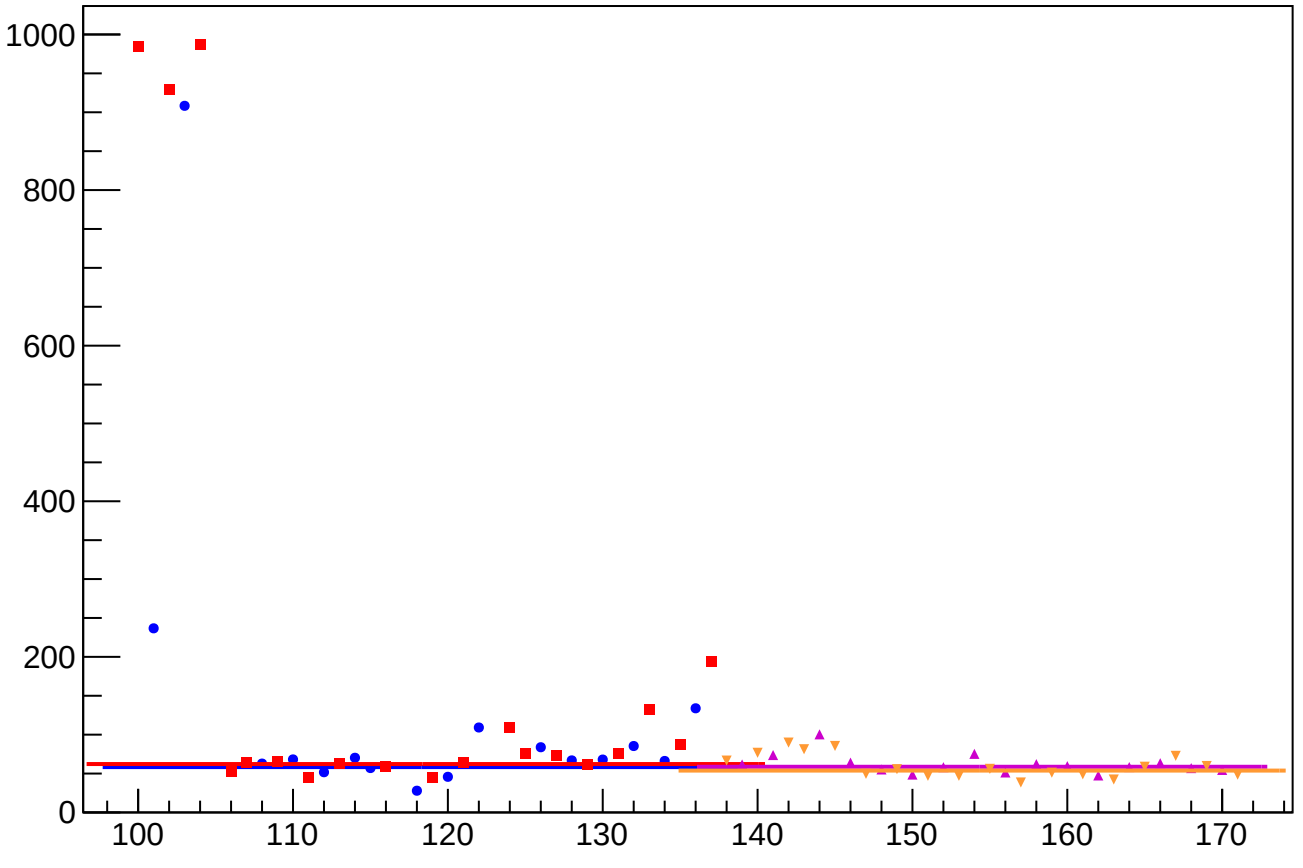
Left: 0.012+/-0.012 χ^2/NDF: 26.1/33

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.010+/-0.015 χ^2/NDF:25.9/31

Out: 0.006+/-0.014 χ^2/NDF:37.5/36

All: 0.008+/-0.010 χ^2/NDF: 63.5/68



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: 58.720+/-0.013 χ^2/NDF:624586.3/15

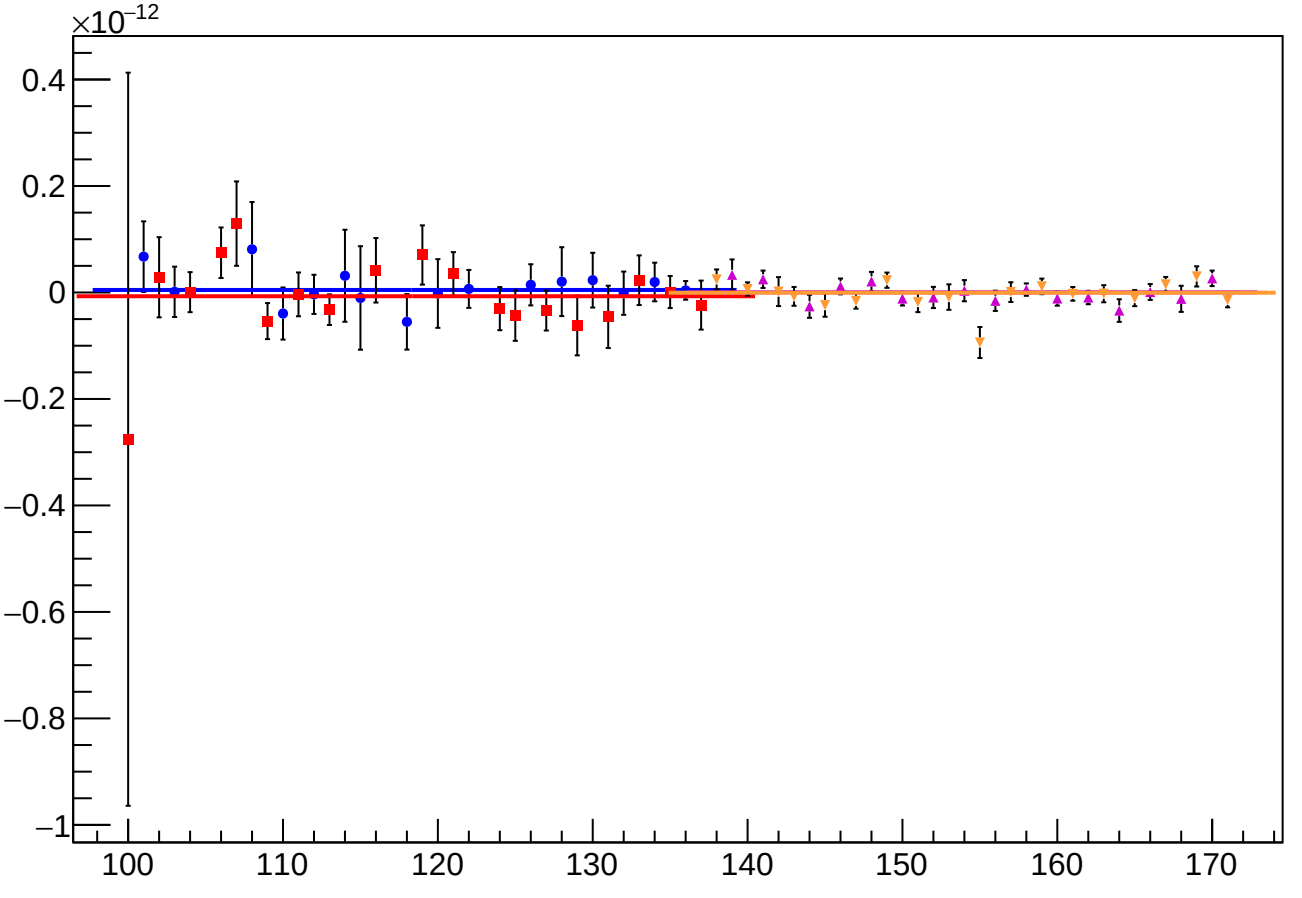
Left: 56.055+/-0.008 χ^2/NDF: 1782030.8/33

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.602+/-0.011 χ^2/NDF:3885375.9/31

Out: 55.933+/-0.010 χ^2/NDF:3836330.4/36

All: 57.185+/-0.007 χ^2/NDF: 7755564.4/68



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/15

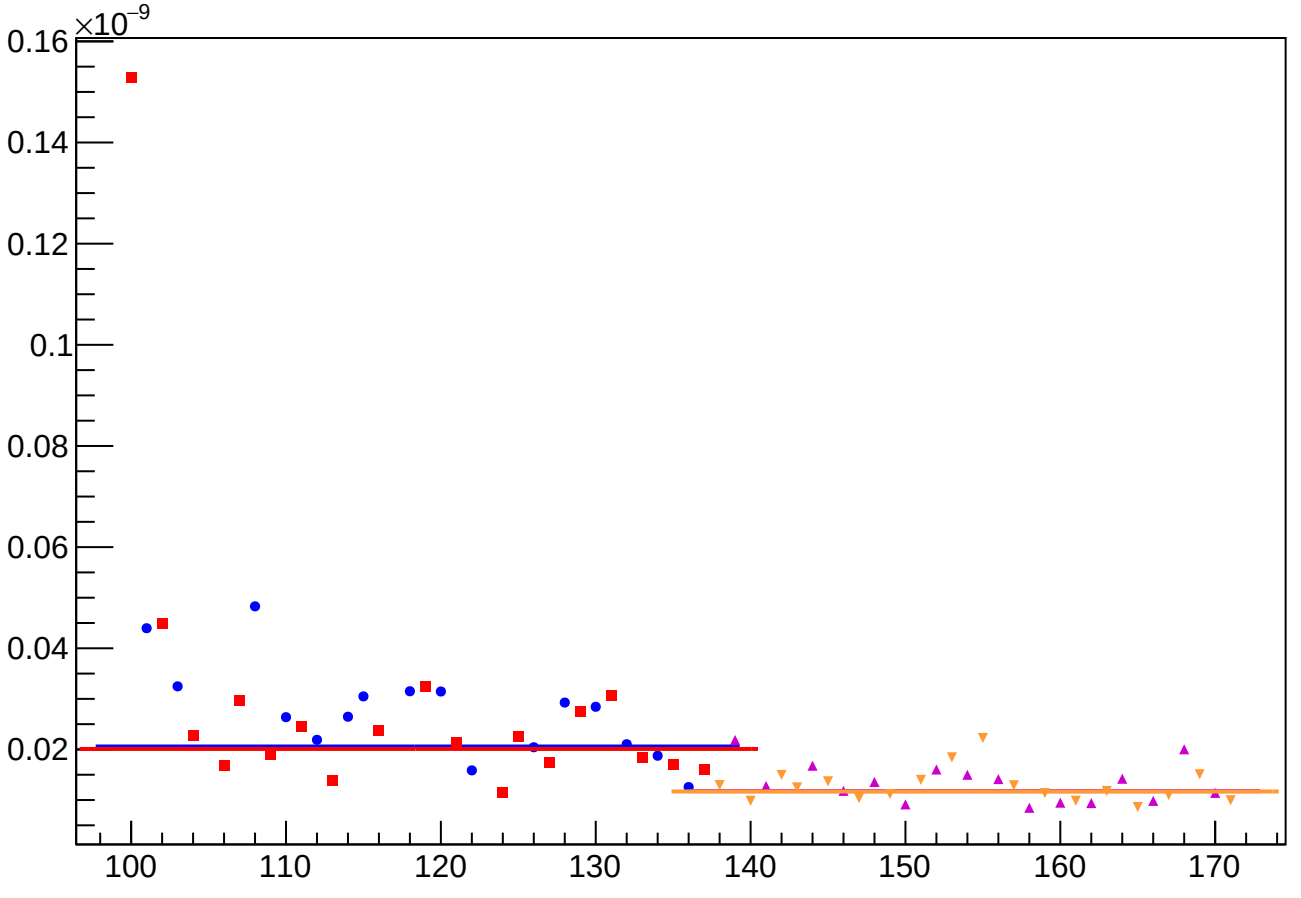
Left: -0.000+/-0.000 χ^2/NDF: 40.8/33

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: 0.000+/-0.000 χ^2/NDF:20.9/31

Out: -0.000+/-0.000 χ^2/NDF:41.0/36

All: -0.000+/-0.000 χ^2/NDF: 62.0/68



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:1214005.8/15

Left: 0.000+/-0.000 χ^2/NDF: 2020057.5/33

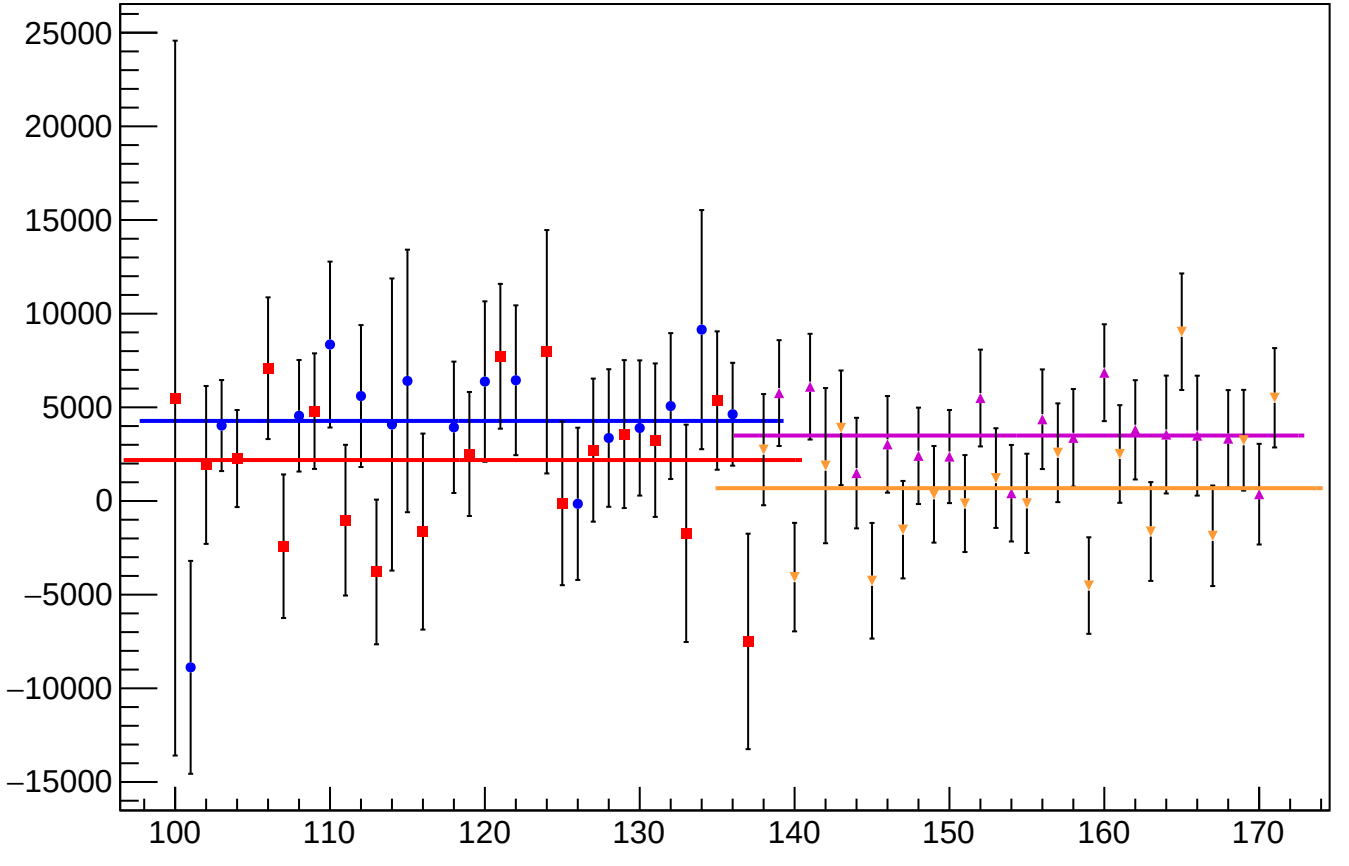
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3813485.1/31

Out: 0.000+/-0.000 χ^2/NDF:2821483.7/36

All: 0.000+/-0.000 χ^2/NDF: 6637386.1/68

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: 3493.944+/-674.833 χ^2/NDF:7.6/15

Left: 2043.997+/-469.441 χ^2/NDF: 42.6/33

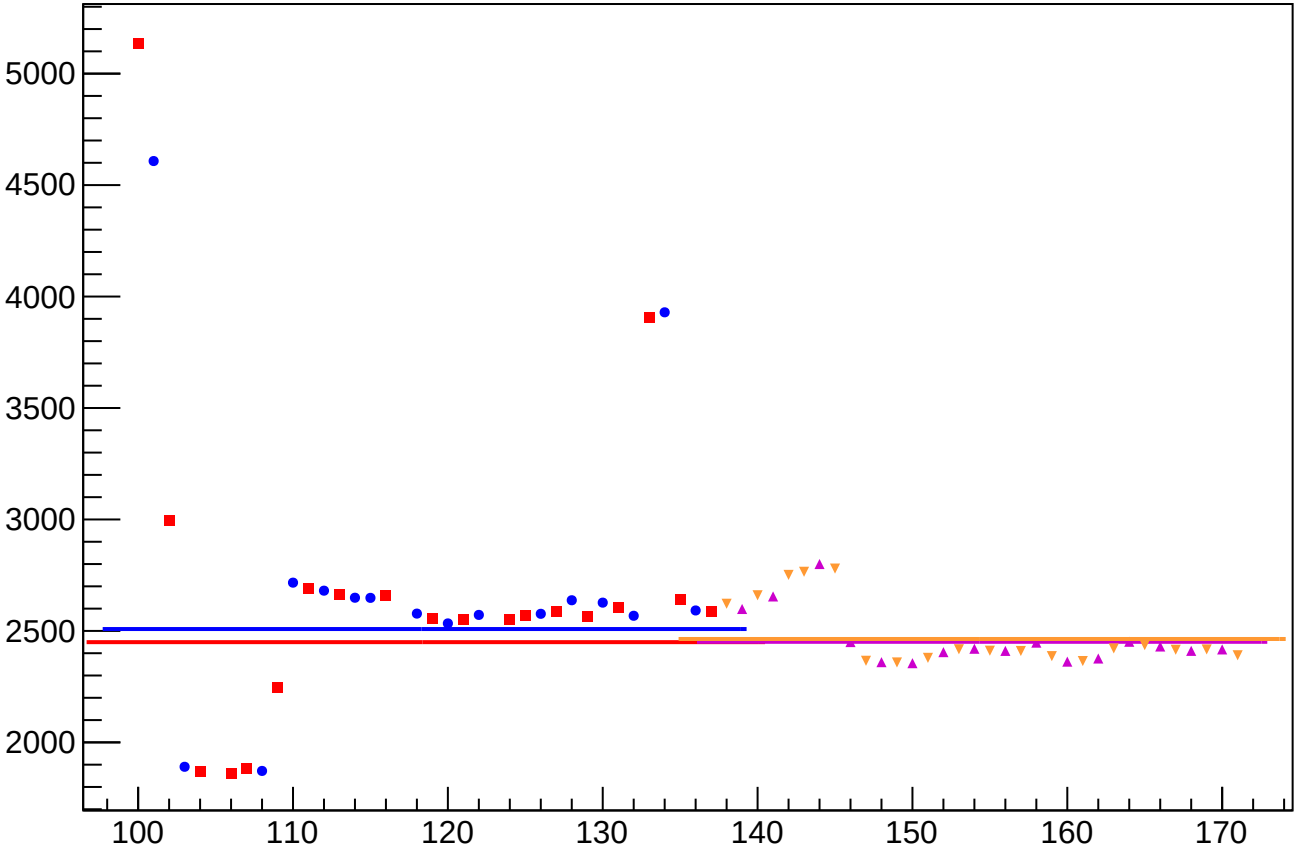
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3754.968+/-550.535 χ^2/NDF:16.9/31

Out: 1186.511+/-533.158 χ^2/NDF:42.6/36

All: 2429.564+/-382.996 χ^2/NDF: 70.8/68

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: 2451.169+/-0.477 χ^2/NDF:55560.6/15

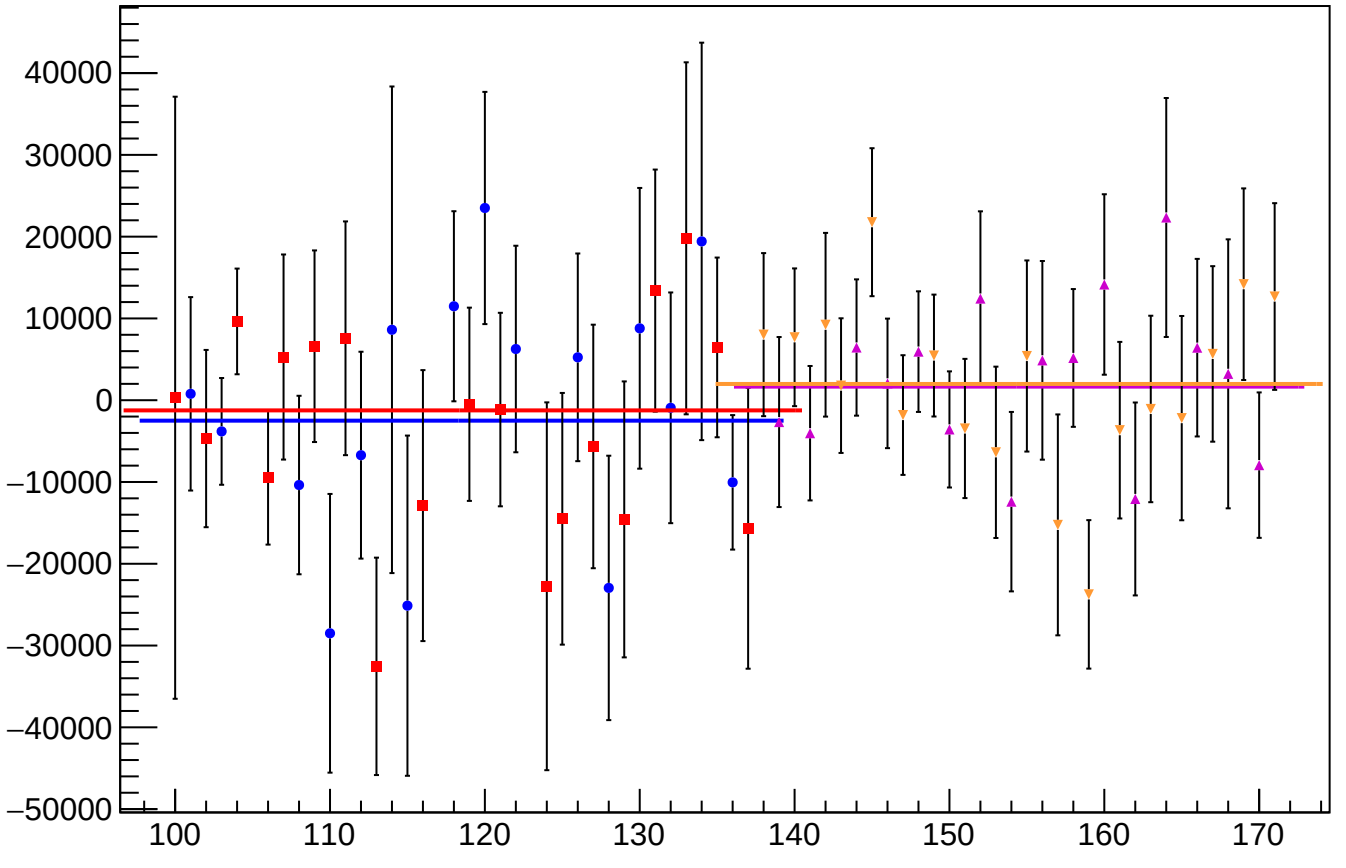
Left: 2457.704+/-0.332 χ^2/NDF: 139357.8/33

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2470.332+/-0.389 χ^2/NDF:671972.5/31

Out: 2459.081+/-0.377 χ^2/NDF:520651.0/36

All: 2464.526+/-0.271 χ^2/NDF: 1193054.5/68



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: 1661.961+/-2387.139 χ^2/NDF:10.8/15

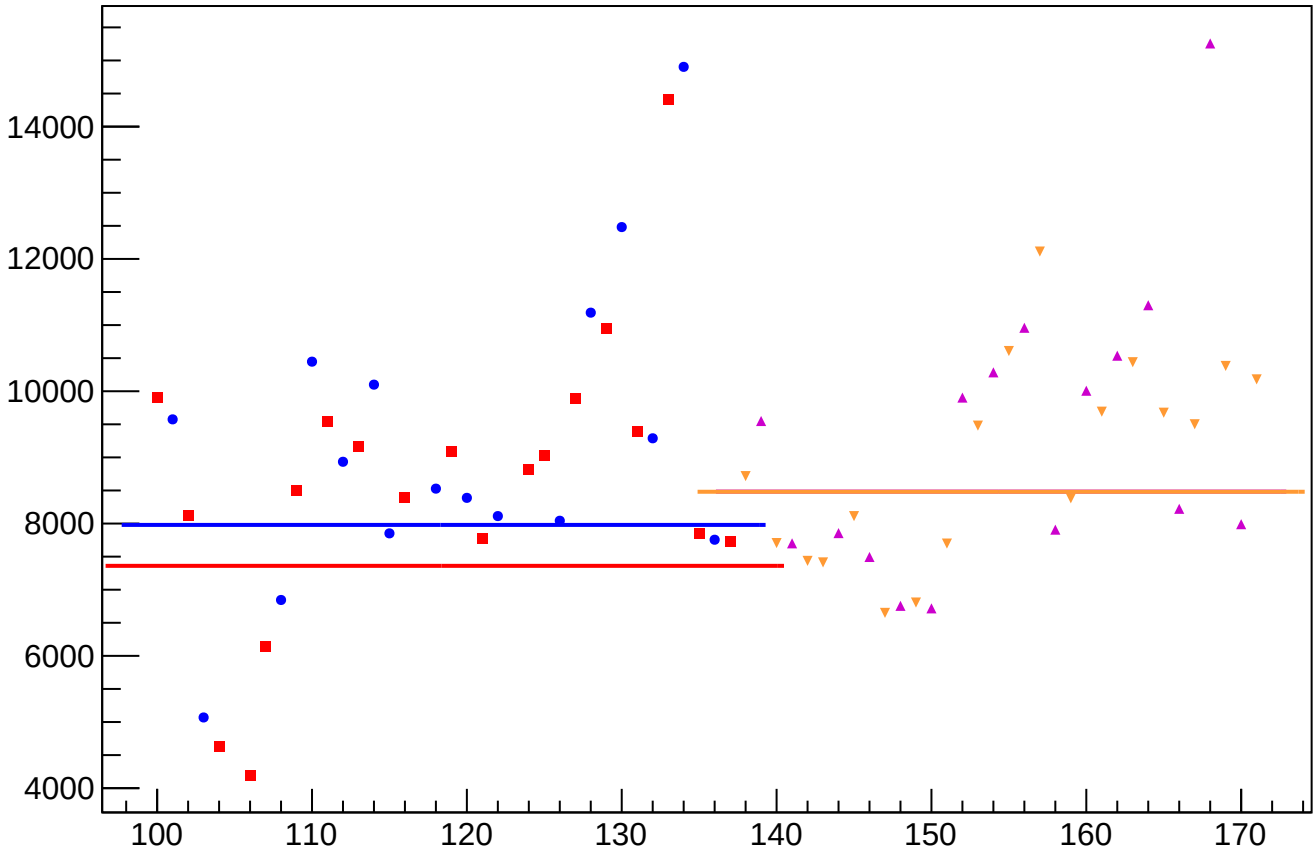
Left: 1830.607+/-1654.300 χ^2/NDF: 30.6/33

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

In: 97.067+/-1885.772 χ^2/NDF:25.7/31

Out: 717.250+/-1788.014 χ^2/NDF:37.2/36

All: 423.650+/-1297.500 χ^2/NDF: 62.9/68



Right In: 7979.488+/-2.175 χ^2/NDF: 923083.9/15

Left Out: 8480.640+/-1.623 χ^2/NDF:762255.8/17

Right Out: 7360.741+/-2.017 χ^2/NDF: 1286008.5/18

Left In: 8483.102+/-1.688 χ^2/NDF:1016581.3/15

Left: 8481.822+/-1.170 χ^2/NDF: 1778838.3/33

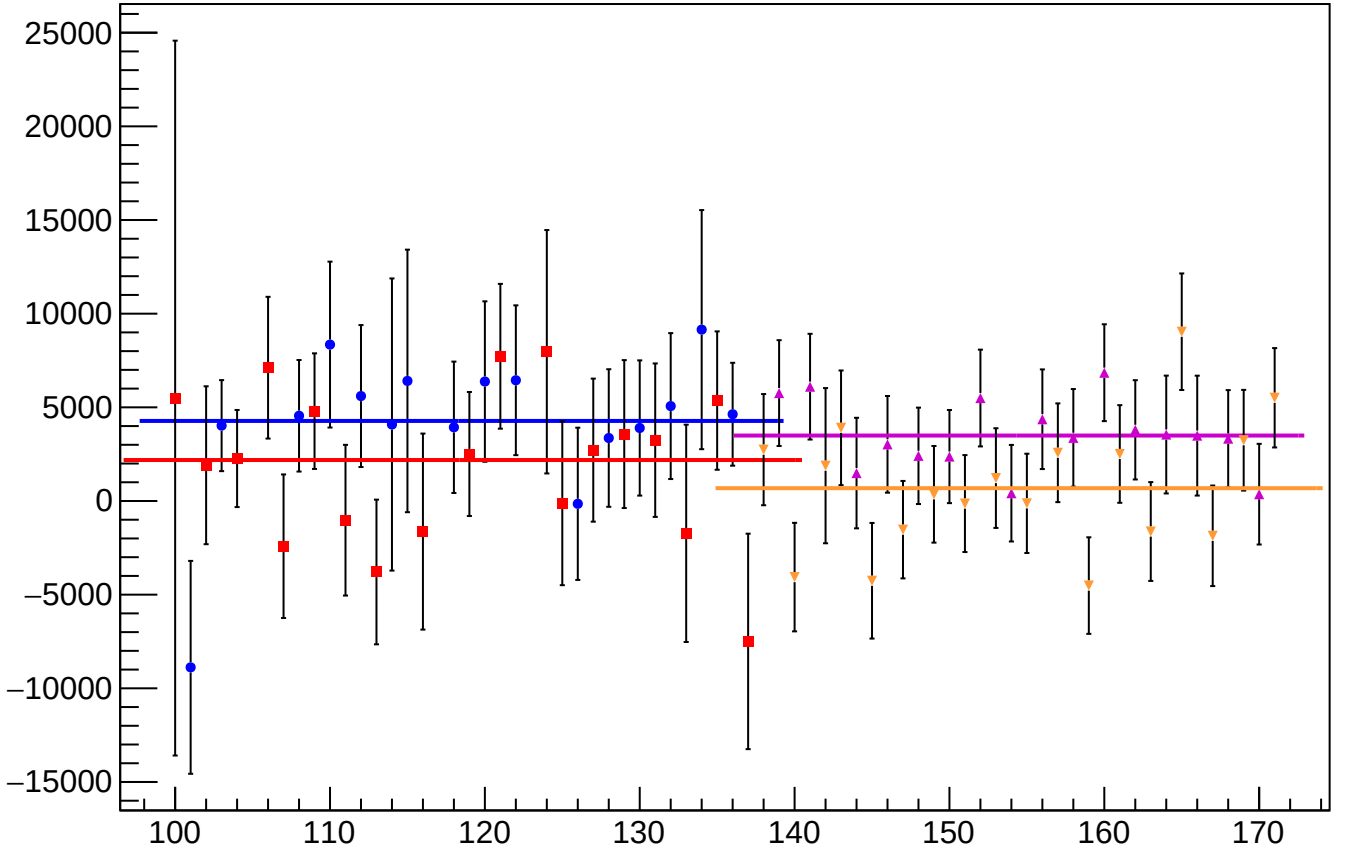
Right: 7646.889+/-1.479 χ^2/NDF: 2252604.4/34

In: 8293.771+/-1.333 χ^2/NDF:1973130.4/31

Out: 8040.697+/-1.264 χ^2/NDF:2235403.8/36

All: 8160.504+/-0.917 χ^2/NDF: 4227502.1/68

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: 3493.854+/-674.833 χ^2/NDF:7.6/15

Left: 2043.831+/-469.441 χ^2/NDF: 42.6/33

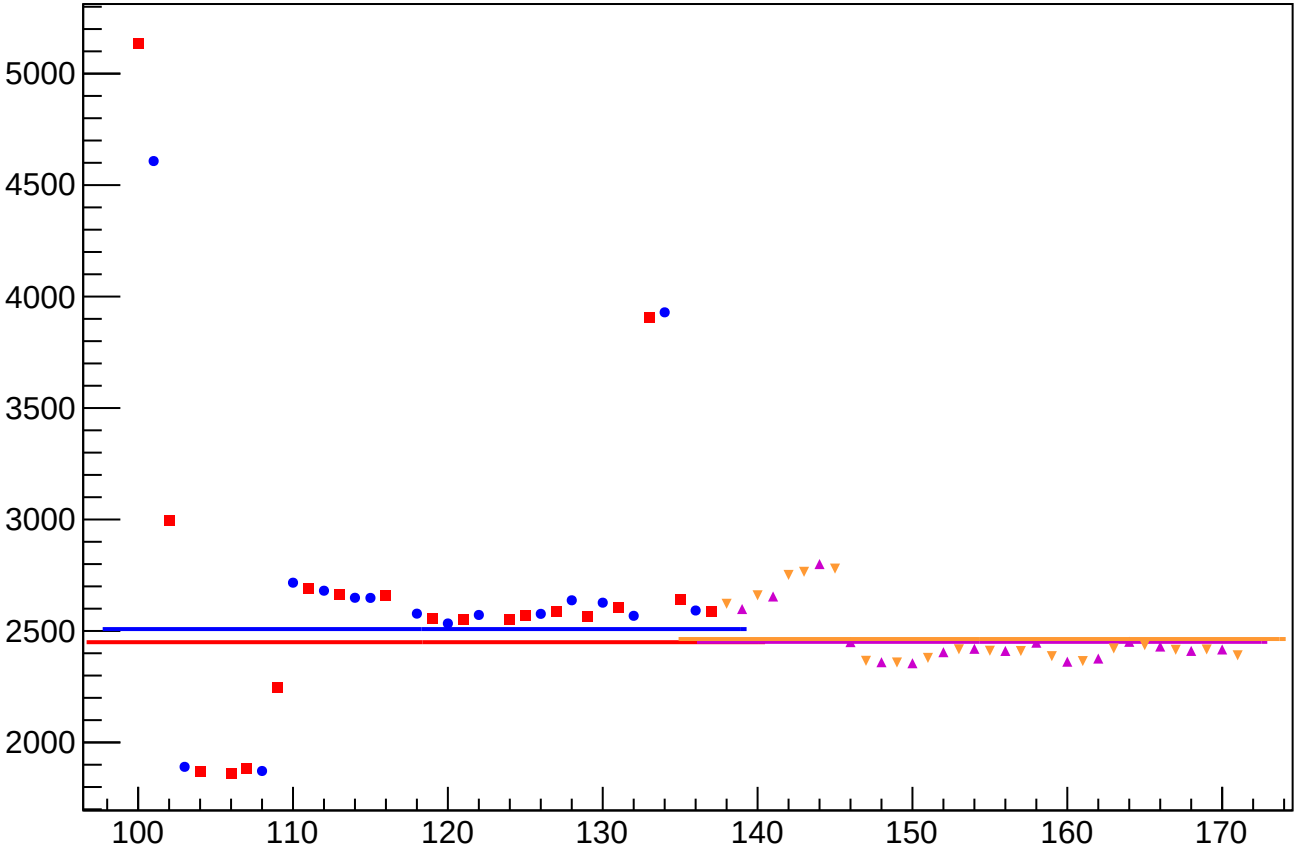
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3754.744+/-550.535 χ^2/NDF:16.9/31

Out: 1186.556+/-533.159 χ^2/NDF:42.7/36

All: 2429.482+/-382.996 χ^2/NDF: 70.8/68

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: 2451.169+/-0.477 χ^2/NDF:55560.6/15

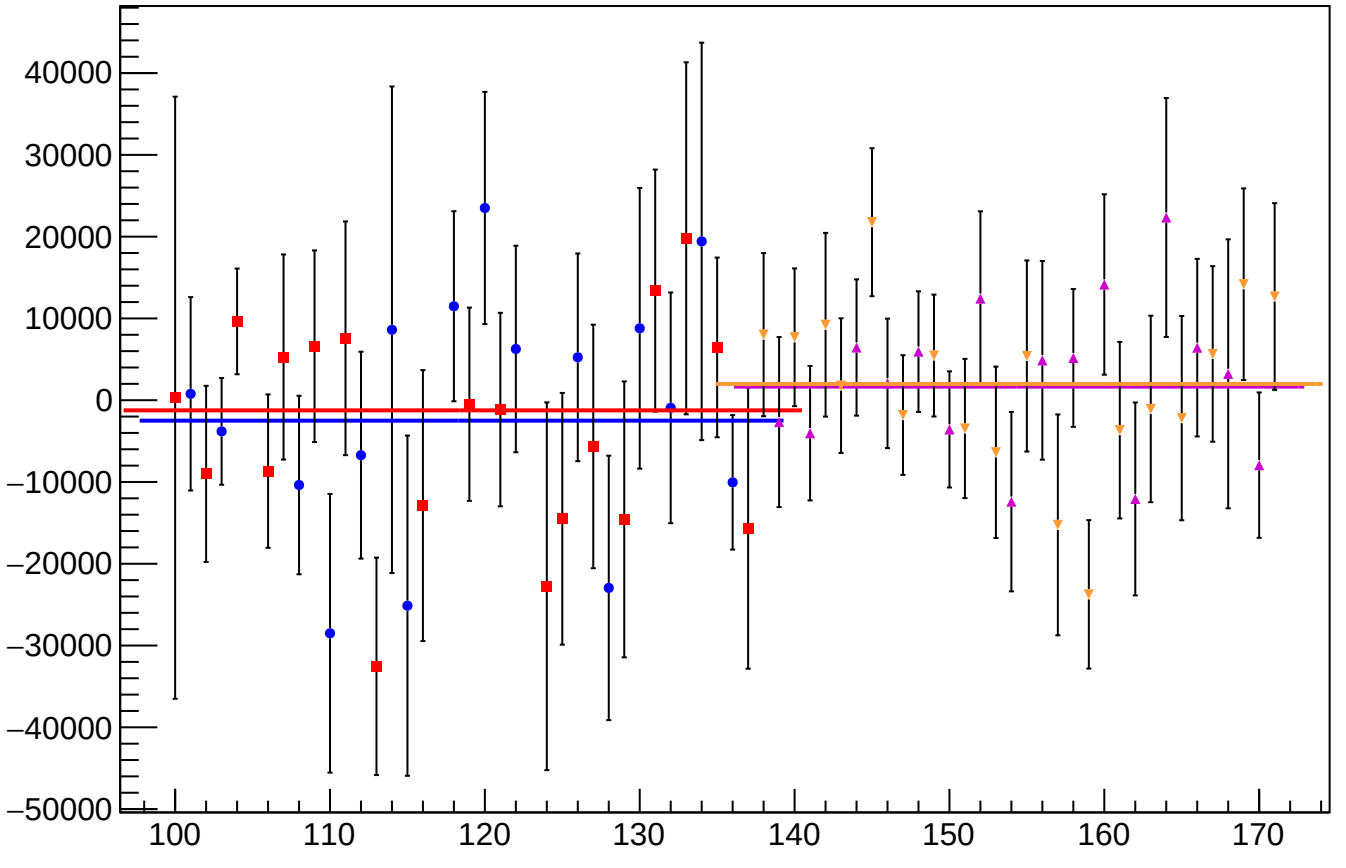
Left: 2457.704+/-0.332 χ^2/NDF: 139357.8/33

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2470.333+/-0.389 χ^2/NDF:671970.4/31

Out: 2459.089+/-0.377 χ^2/NDF:520595.5/36

All: 2464.531+/-0.271 χ^2/NDF: 1192996.4/68



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: 1662.033+/-2387.138 χ^2/NDF:10.8/15

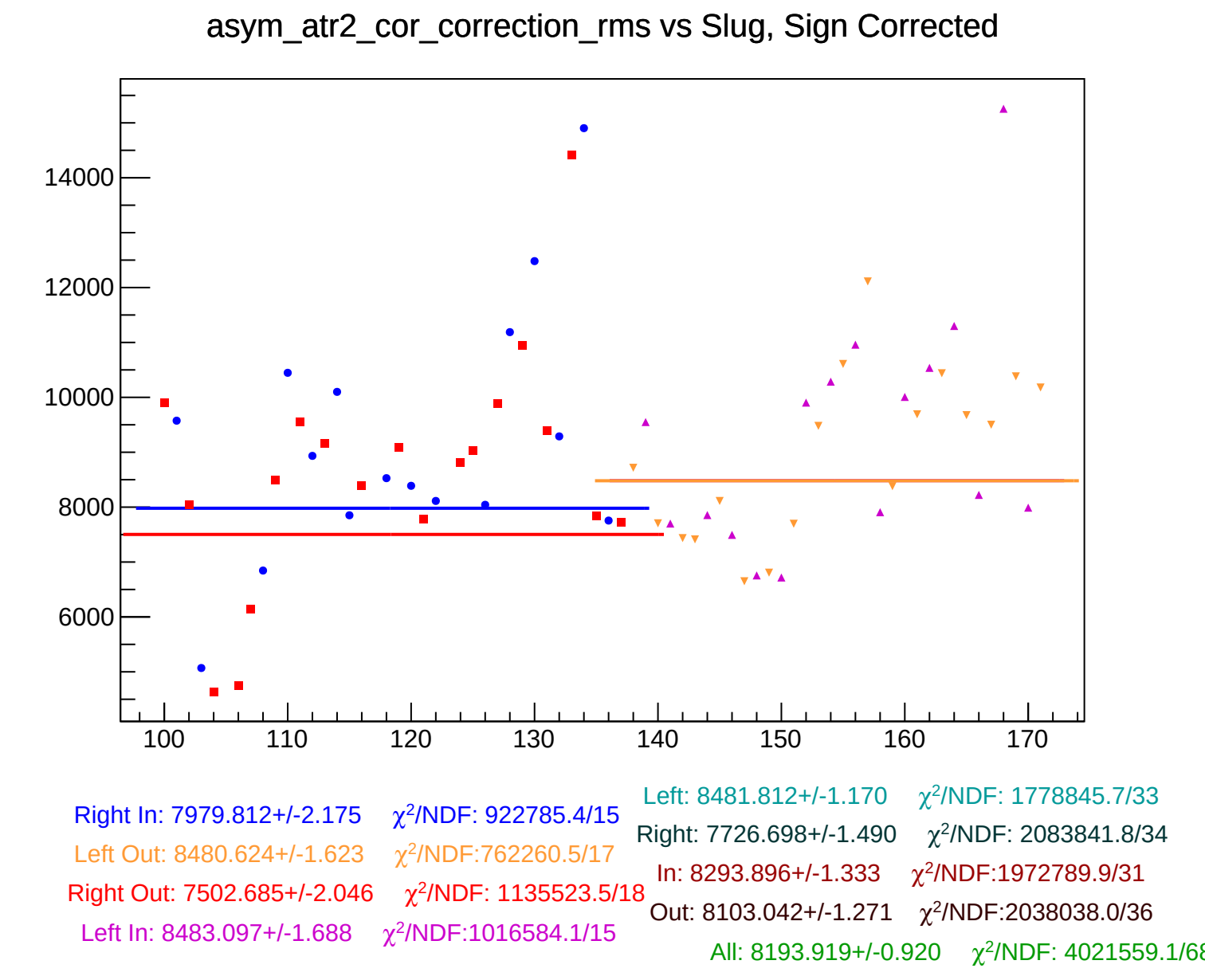
Left: 1830.632+/-1654.299 χ^2/NDF: 30.6/33

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

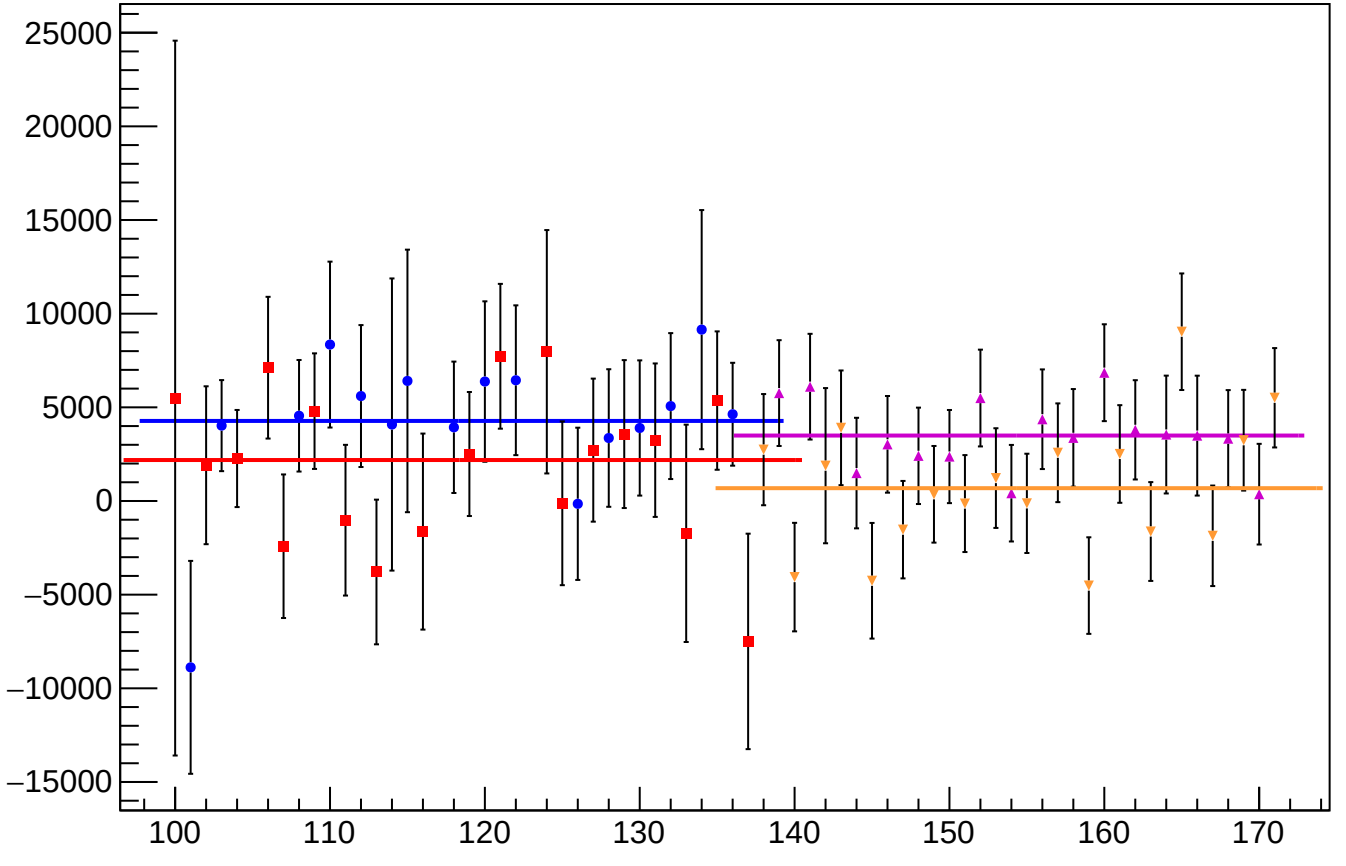
In: 97.252+/-1885.791 χ^2/NDF:25.7/31

Out: 740.741+/-1797.910 χ^2/NDF:37.2/36

All: 434.339+/-1301.274 χ^2/NDF: 63.0/68


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: 8483.097+/-1.688 χ²/NDF:1016584.1/15
Left: 8481.812+/-1.170 χ²/NDF: 1778845.7/33
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8293.896+/-1.333 χ²/NDF:1972789.9/31
Out: 8103.042+/-1.271 χ²/NDF:2038038.0/36
All: 8193.919+/-0.920 χ²/NDF: 4021559.1/68

eigen_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: 3493.854+/-674.833 χ^2/NDF:7.6/15

Left: 2043.831+/-469.441 χ^2/NDF: 42.6/33

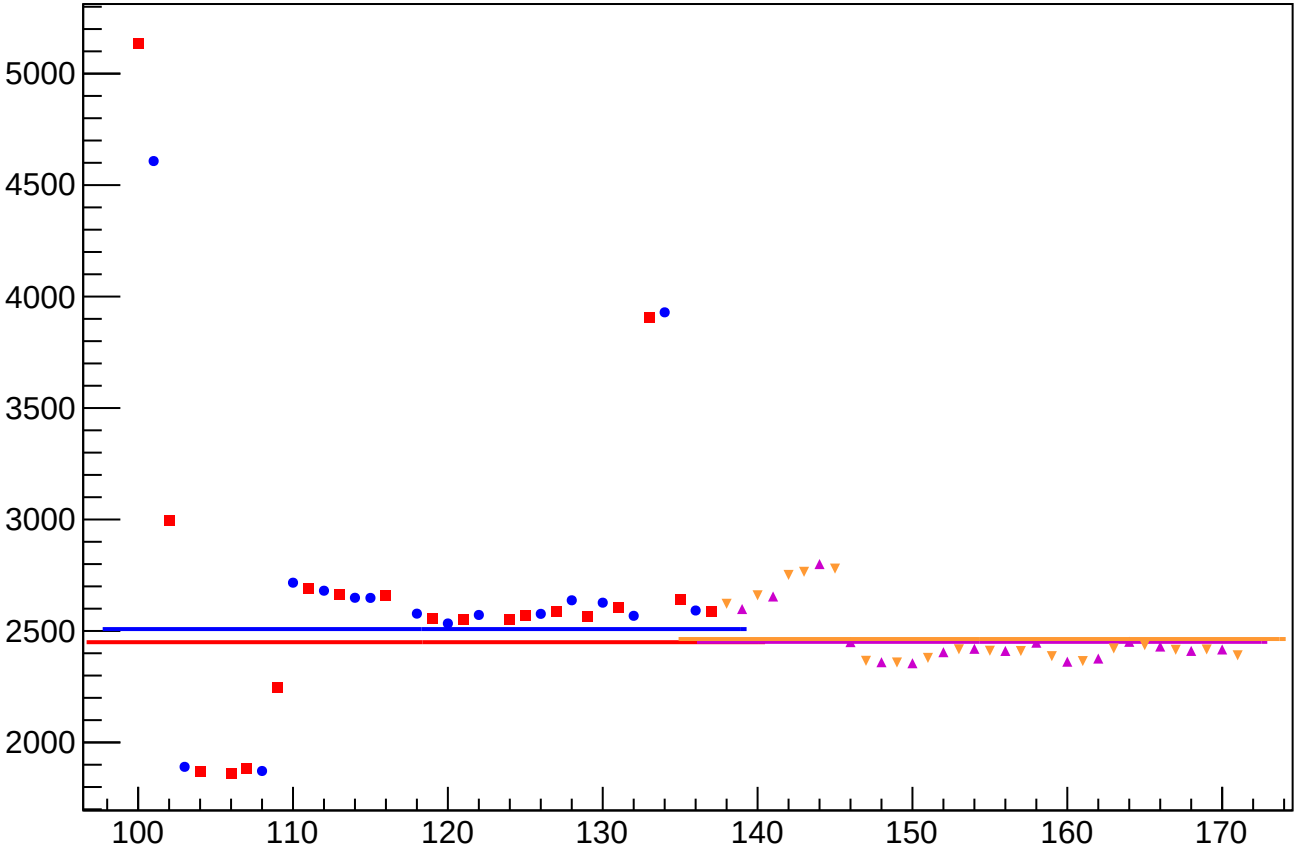
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3754.744+/-550.535 χ^2/NDF:16.9/31

Out: 1186.556+/-533.159 χ^2/NDF:42.7/36

All: 2429.482+/-382.996 χ^2/NDF: 70.8/68

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: 2451.169+/-0.477 χ^2/NDF:55560.6/15

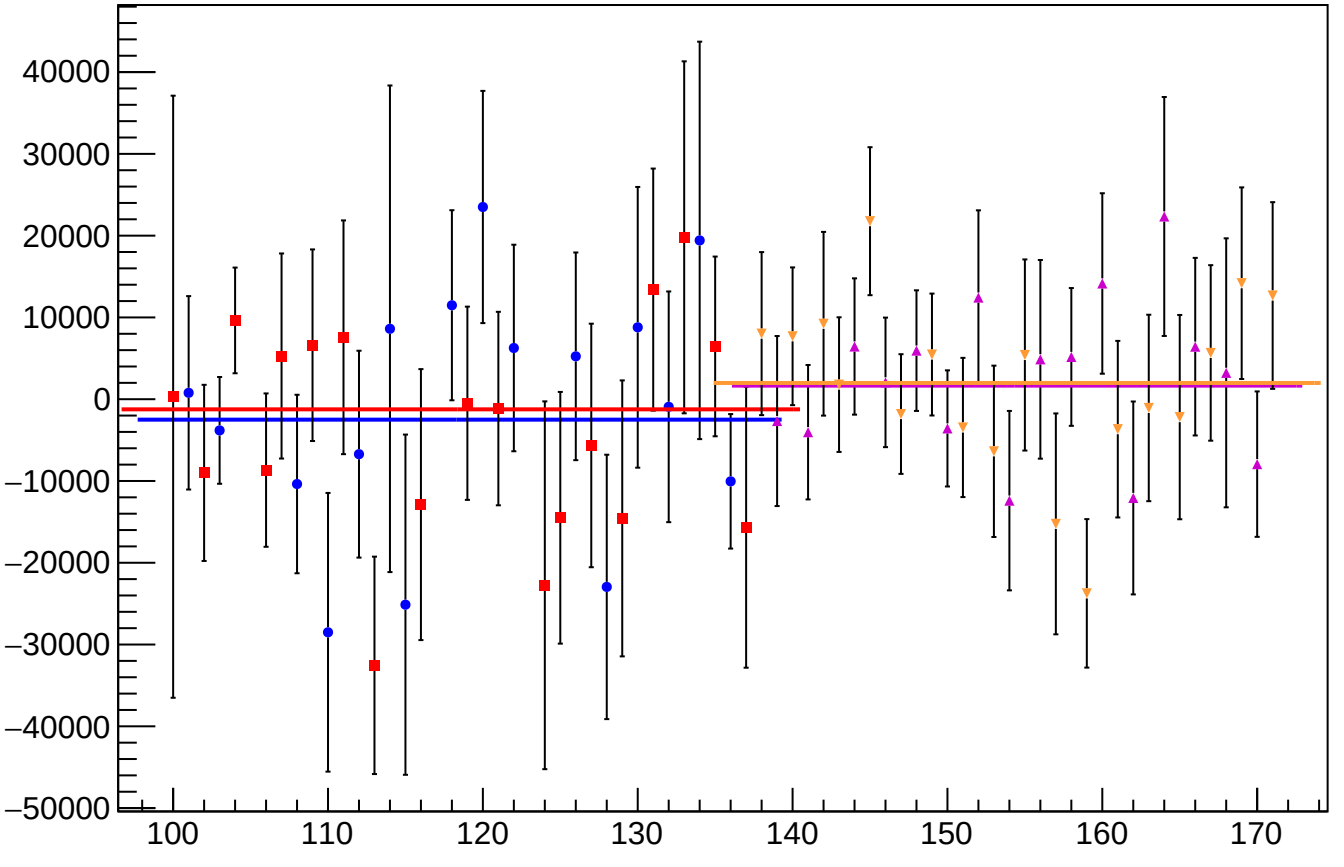
Left: 2457.704+/-0.332 χ^2/NDF: 139357.8/33

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2470.333+/-0.389 χ^2/NDF:671970.4/31

Out: 2459.089+/-0.377 χ^2/NDF:520595.5/36

All: 2464.531+/-0.271 χ^2/NDF: 1192996.4/68



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: 1662.033+/-2387.138 χ^2/NDF:10.8/15

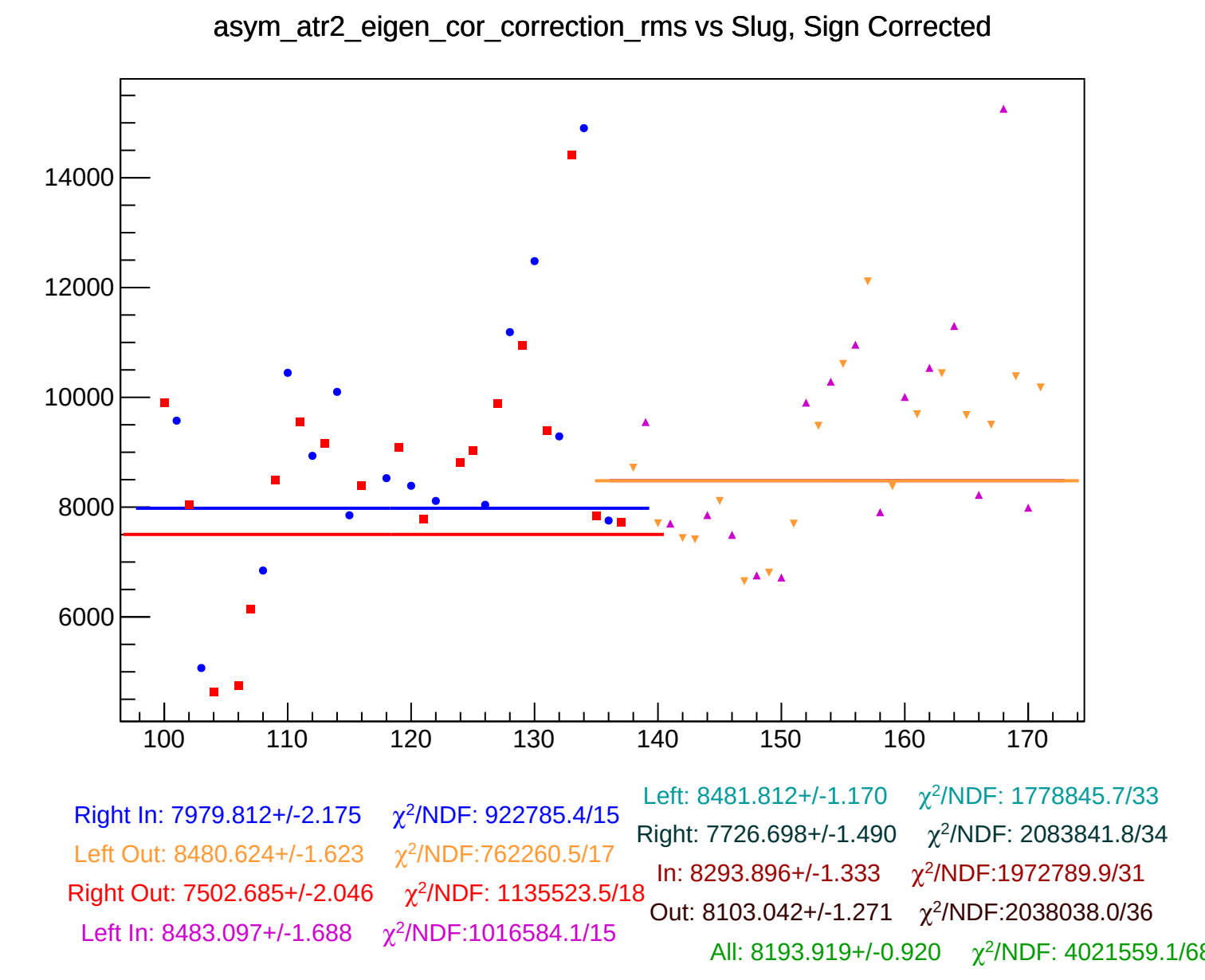
Left: 1830.632+/-1654.299 χ^2/NDF: 30.6/33

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

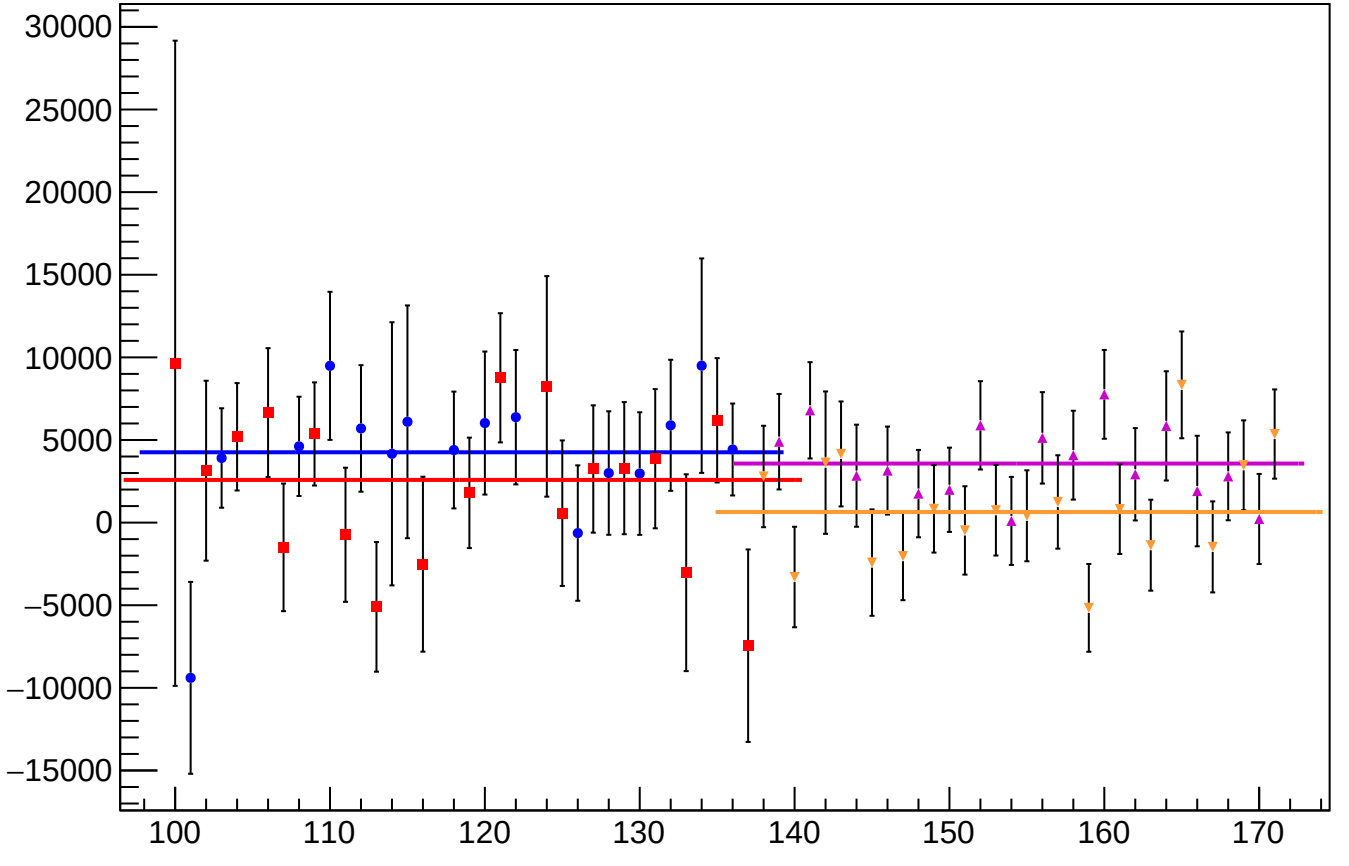
In: 97.252+/-1885.791 χ^2/NDF:25.7/31

Out: 740.741+/-1797.910 χ^2/NDF:37.2/36

All: 434.339+/-1301.274 χ^2/NDF: 63.0/68


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: 8483.097+/-1.688 χ²/NDF:1016584.1/15
Left: 8481.812+/-1.170 χ²/NDF: 1778845.7/33
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8293.896+/-1.333 χ²/NDF:1972789.9/31
Out: 8103.042+/-1.271 χ²/NDF:2038038.0/36
All: 8193.919+/-0.920 χ²/NDF: 4021559.1/68

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: 3574.104+/-697.899 χ^2/NDF:10.0/15

Left: 2061.441+/-485.691 χ^2/NDF: 40.8/33

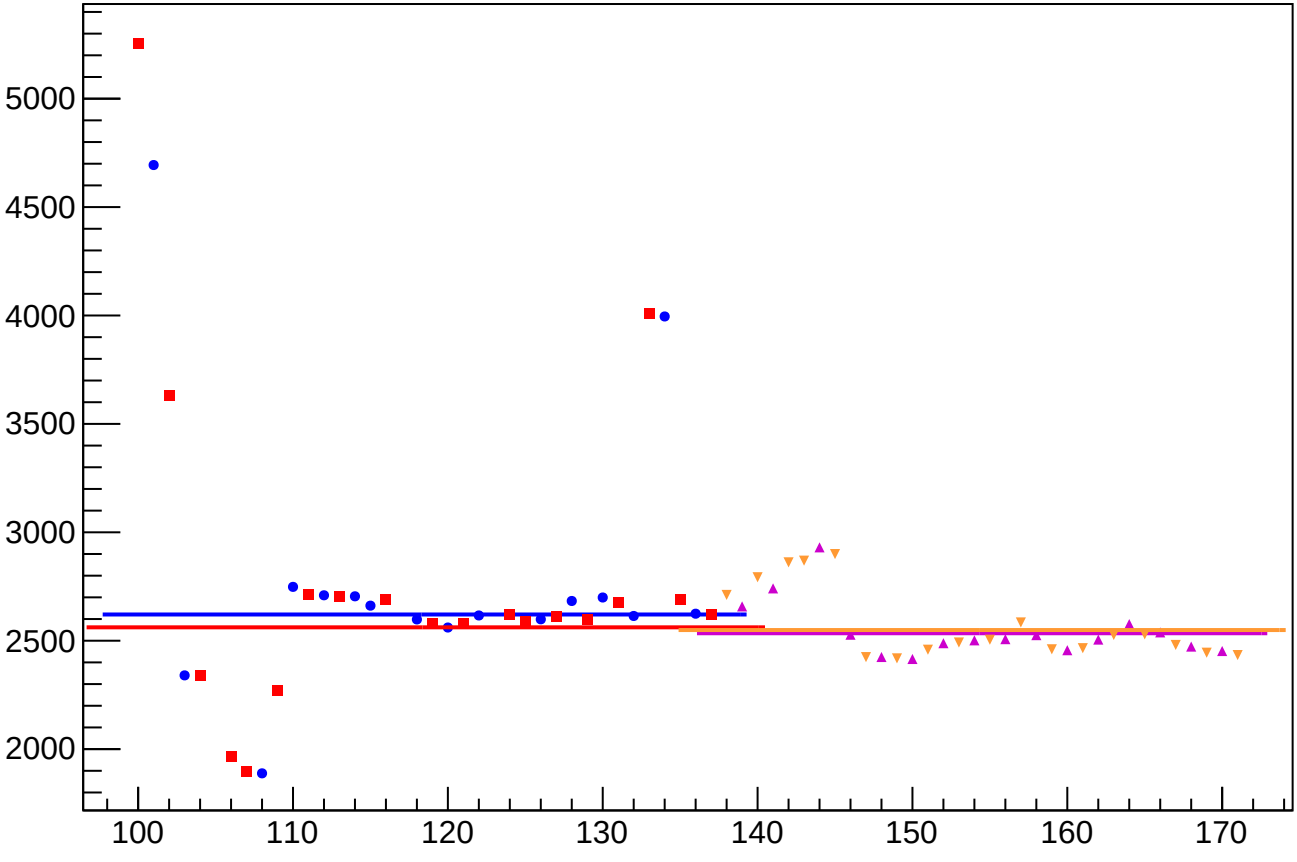
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3800.635+/-570.515 χ^2/NDF:20.3/31

Out: 1280.179+/-554.056 χ^2/NDF:42.1/36

All: 2503.525+/-397.468 χ^2/NDF: 72.4/68

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: 2534.458+/-0.493 χ^2/NDF:60661.7/15

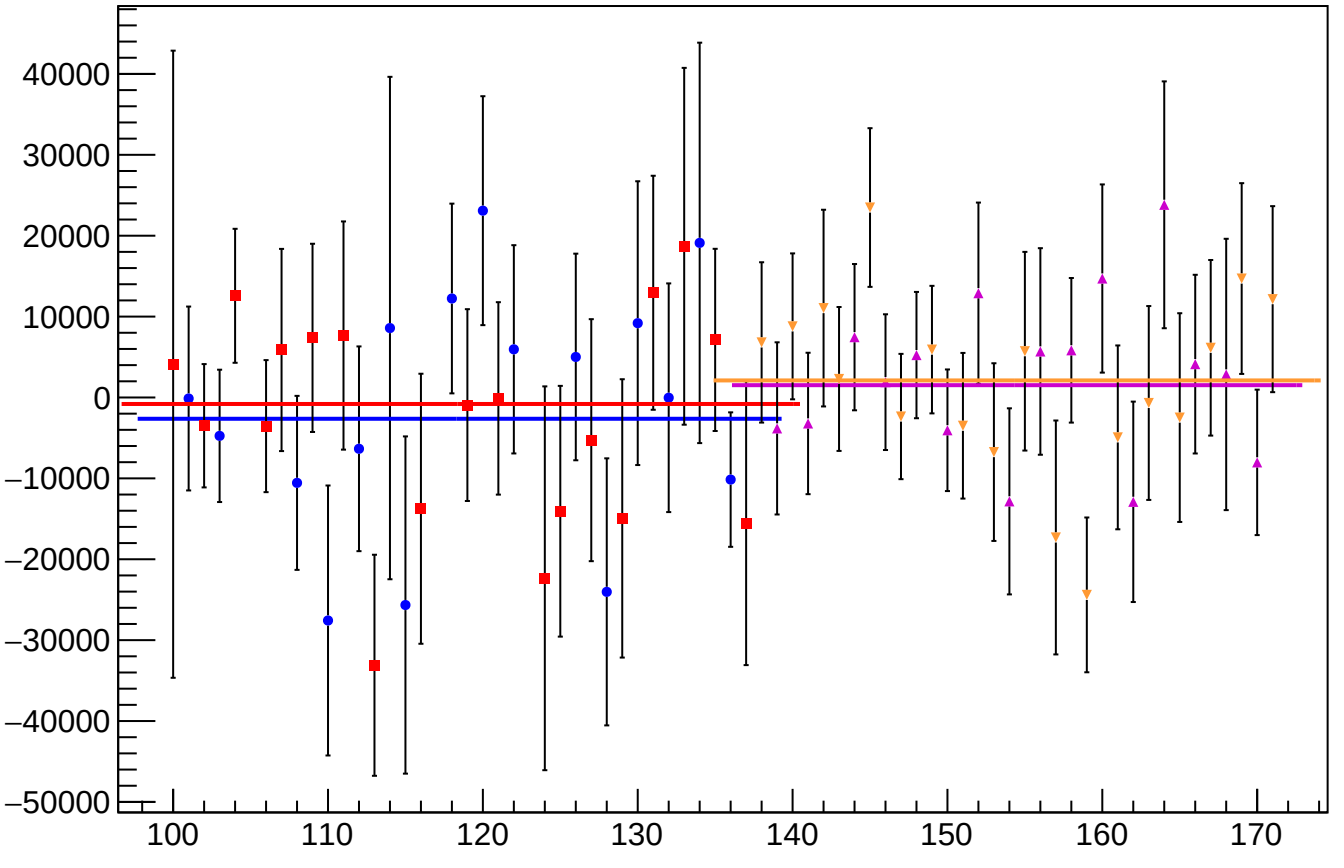
Left: 2542.054+/-0.343 χ^2/NDF: 159448.6/33

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2563.155+/-0.403 χ^2/NDF:556769.3/31

Out: 2553.313+/-0.392 χ^2/NDF:476813.0/36

All: 2558.089+/-0.281 χ^2/NDF: 1033888.6/68



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: 1521.036+/-2508.277 χ^2/NDF:10.6/15

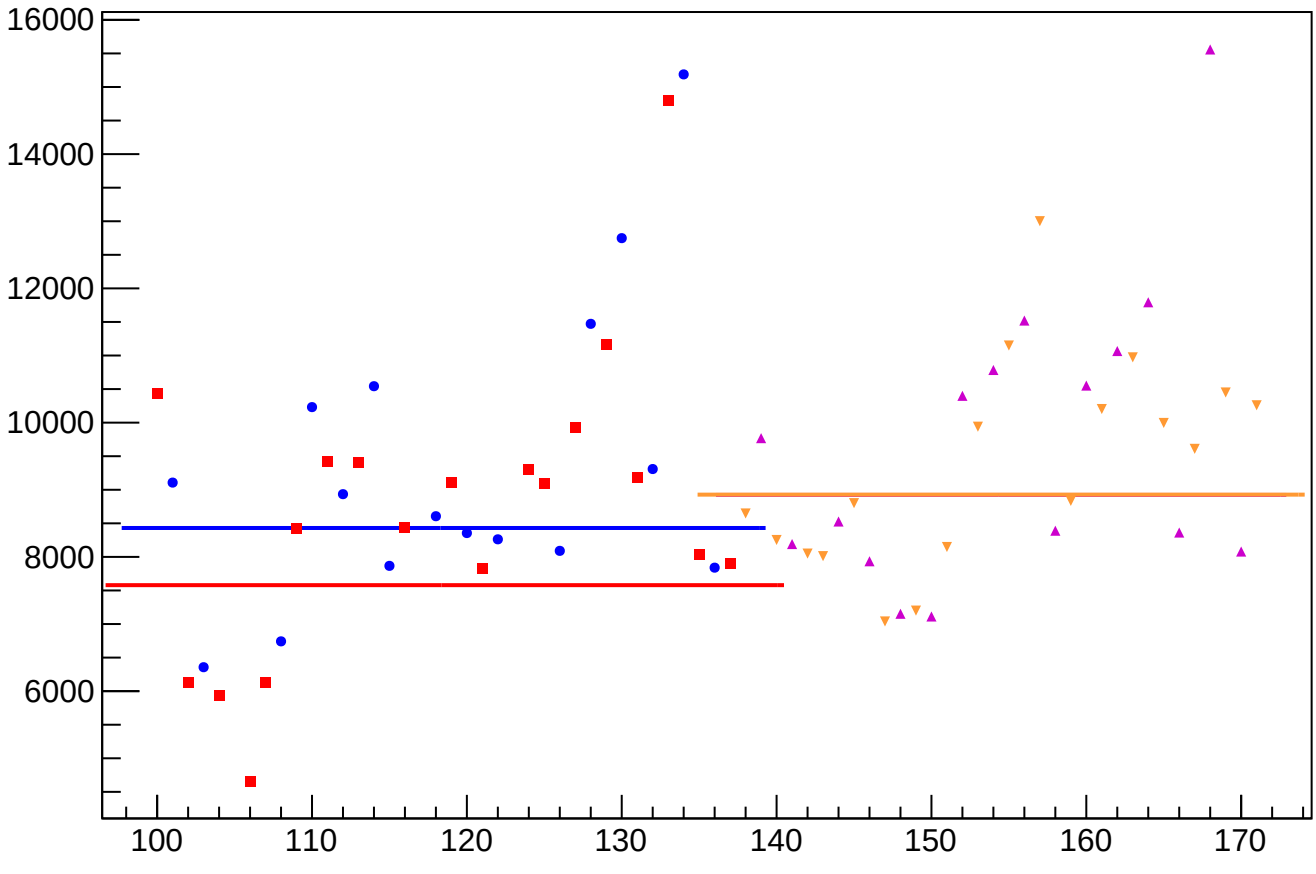
Left: 1826.245+/-1738.436 χ^2/NDF: 30.5/33

Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -52.452+/-1976.796 χ^2/NDF:25.5/31

Out: 904.973+/-1847.106 χ^2/NDF:35.8/36

All: 458.695+/-1349.622 χ^2/NDF: 61.5/68



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: 8922.771+/-1.774 χ^2/NDF:959702.8/15

Left: 8925.265+/-1.229 χ^2/NDF: 1641020.8/33

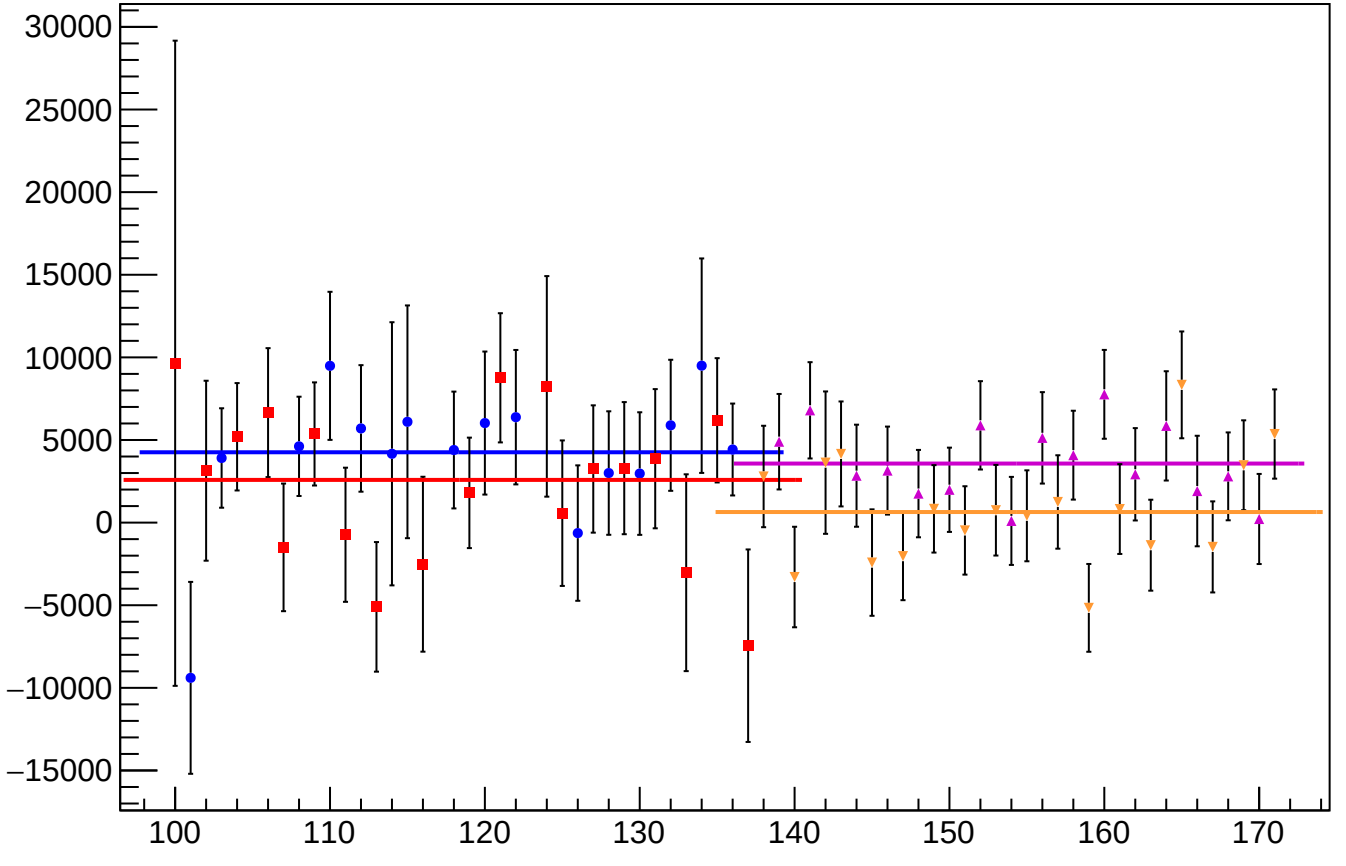
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8736.359+/-1.398 χ^2/NDF:1569153.4/31

Out: 8370.167+/-1.306 χ^2/NDF:1913918.5/36

All: 8540.858+/-0.954 χ^2/NDF: 3519712.7/68

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: 3574.109+/-697.899 χ^2/NDF:10.0/15

Left: 2061.437+/-485.691 χ^2/NDF: 40.8/33

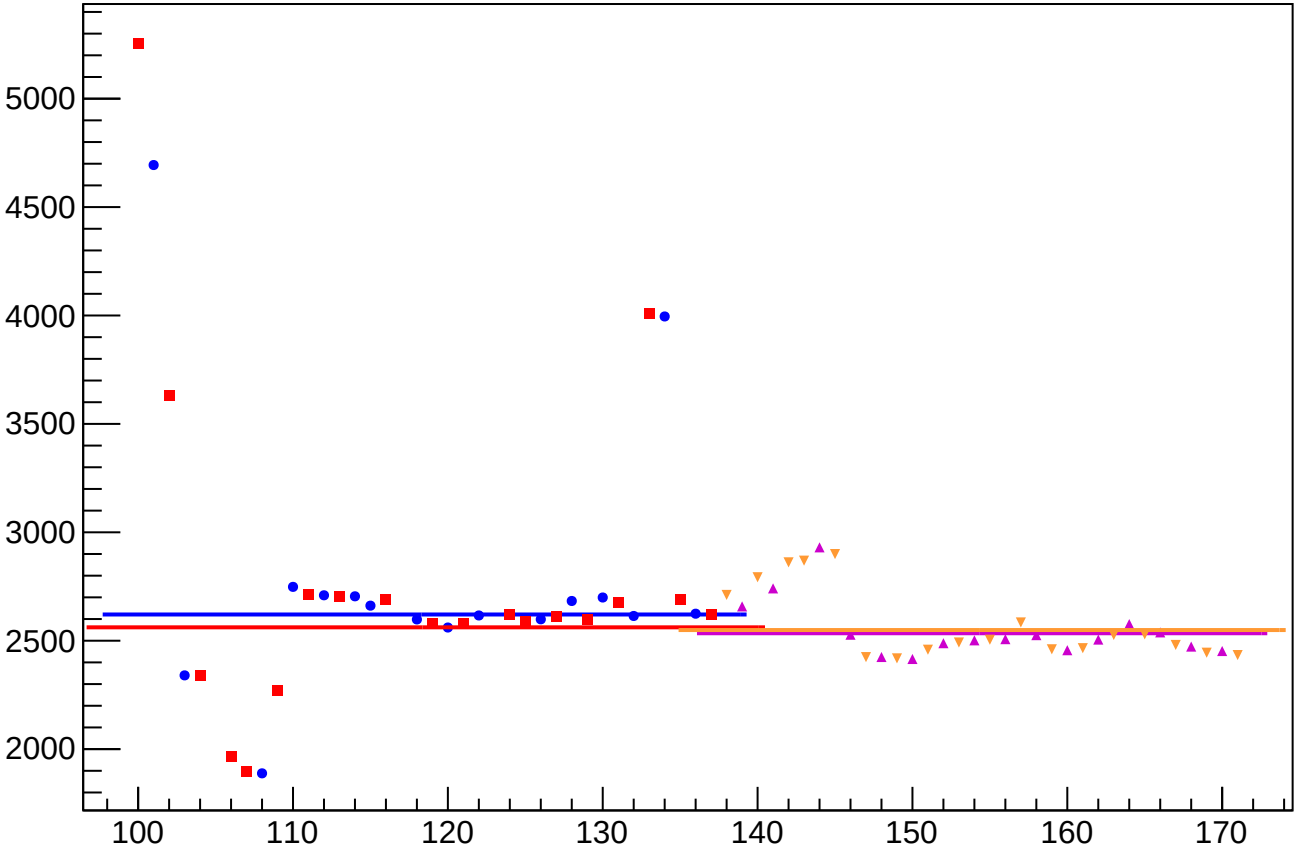
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3800.642+/-570.516 χ^2/NDF:20.3/31

Out: 1280.175+/-554.056 χ^2/NDF:42.1/36

All: 2503.526+/-397.468 χ^2/NDF: 72.4/68

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: 2534.461+/-0.493 χ^2/NDF:60661.4/15

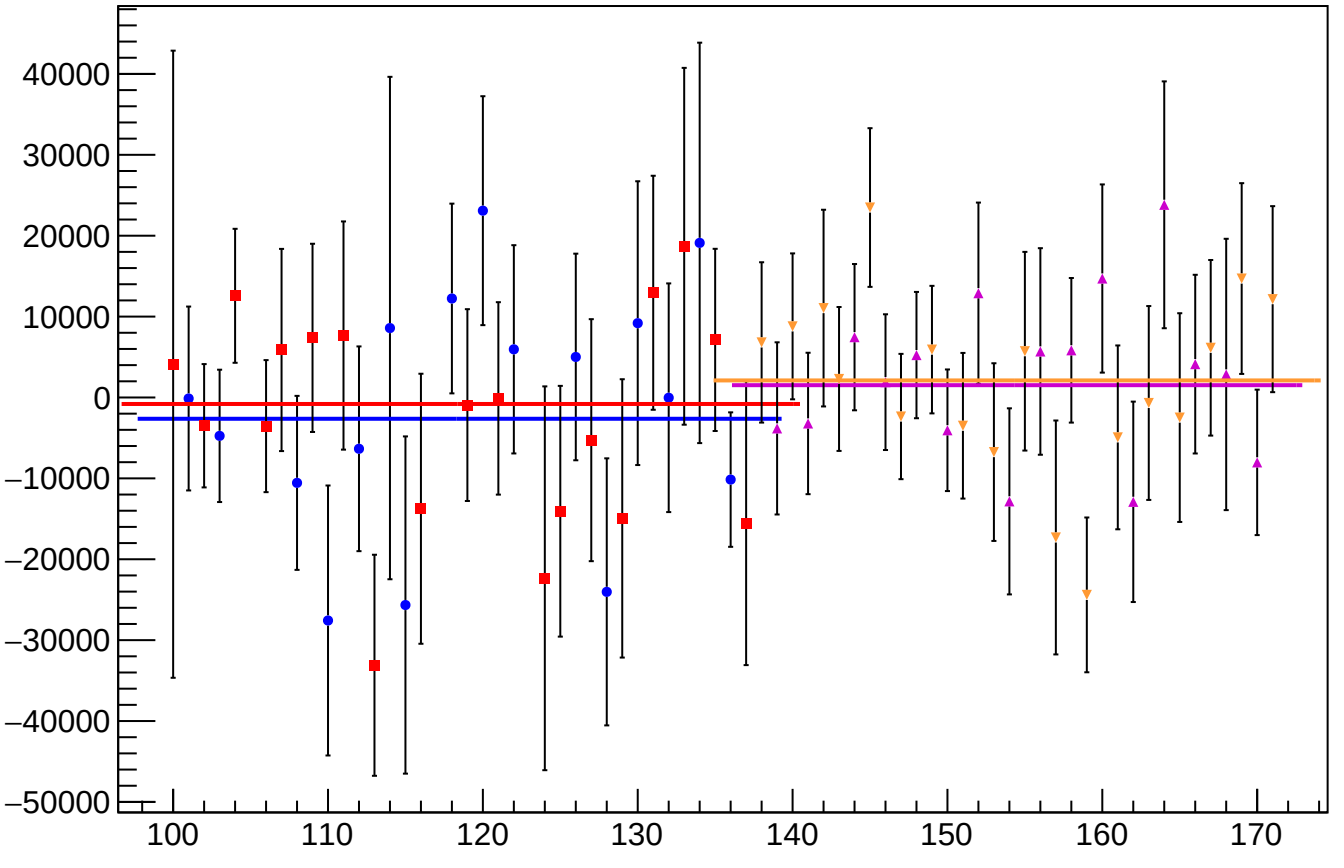
Left: 2542.056+/-0.343 χ^2/NDF: 159448.5/33

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2563.156+/-0.403 χ^2/NDF:556768.4/31

Out: 2553.314+/-0.392 χ^2/NDF:476812.5/36

All: 2558.090+/-0.281 χ^2/NDF: 1033887.3/68



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: 1521.032+/-2508.280 χ^2/NDF:10.6/15

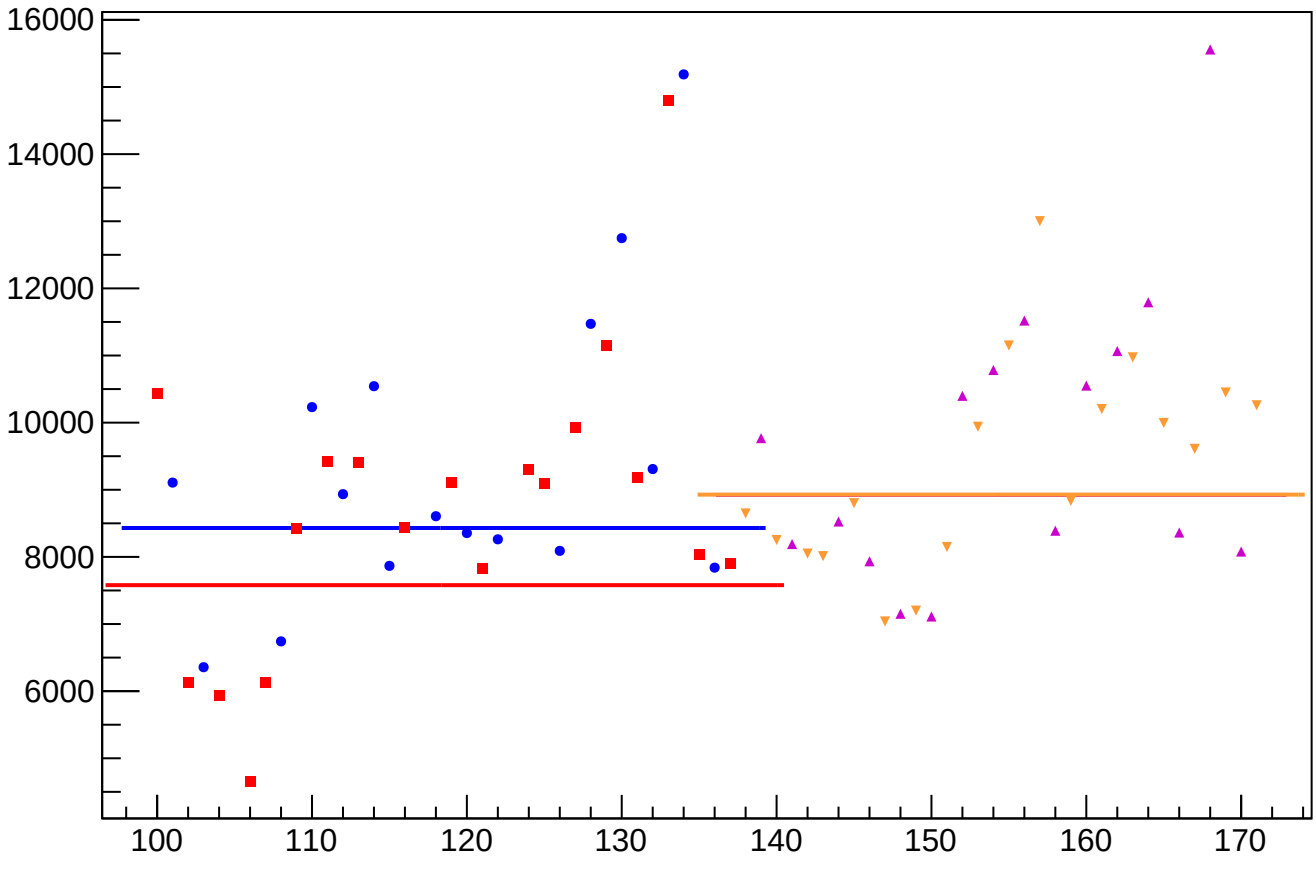
Left: 1826.242+/-1738.439 χ^2/NDF: 30.5/33

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -52.448+/-1976.797 χ^2/NDF:25.5/31

Out: 904.969+/-1847.106 χ^2/NDF:35.8/36

All: 458.695+/-1349.623 χ^2/NDF: 61.5/68



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: 8922.784+/-1.774 χ^2/NDF:959703.9/15

Left: 8925.278+/-1.229 χ^2/NDF: 1641021.7/33

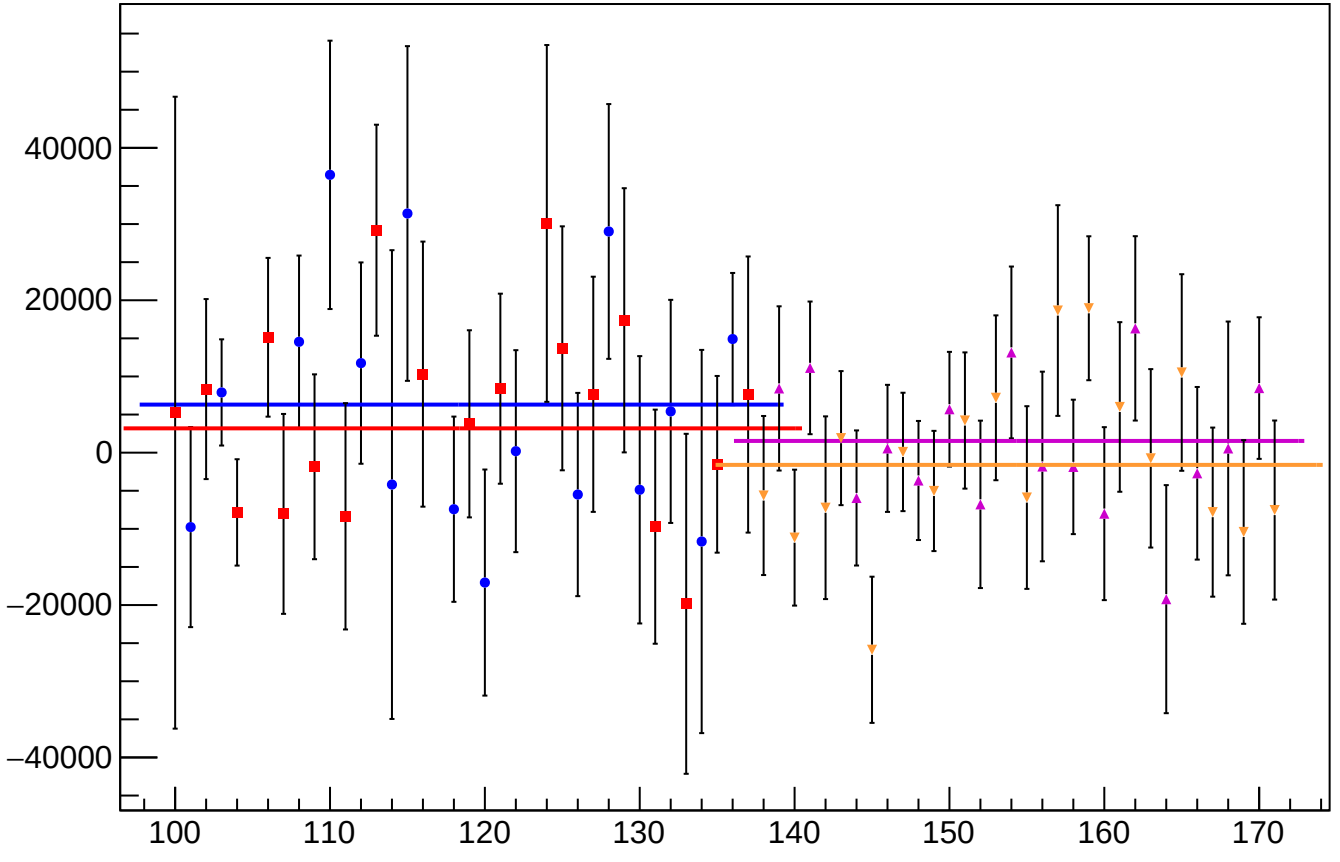
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8736.363+/-1.398 χ^2/NDF:1569151.5/31

Out: 8370.168+/-1.306 χ^2/NDF:1913924.7/36

All: 8540.860+/-0.954 χ^2/NDF: 3519717.5/68

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: 1538.046+/-2496.504 χ^2/NDF:9.8/15

Left: -93.293+/-1731.188 χ^2/NDF: 29.5/33

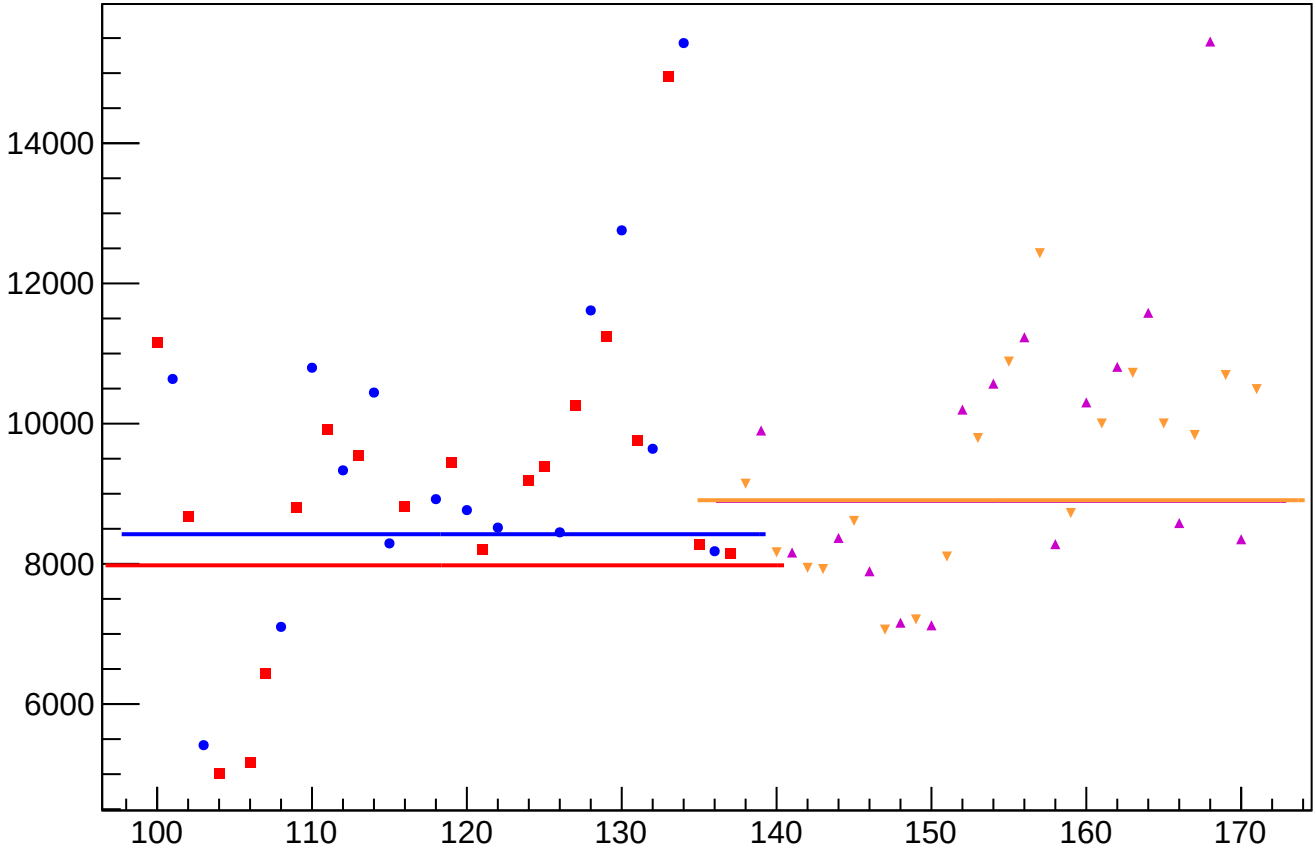
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3314.858+/-1977.483 χ^2/NDF:26.2/31

Out: 217.563+/-1891.807 χ^2/NDF:34.3/36

All: 1697.662+/-1366.995 χ^2/NDF: 61.8/68

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: 8897.461+/-1.765 χ^2/NDF:893186.8/15

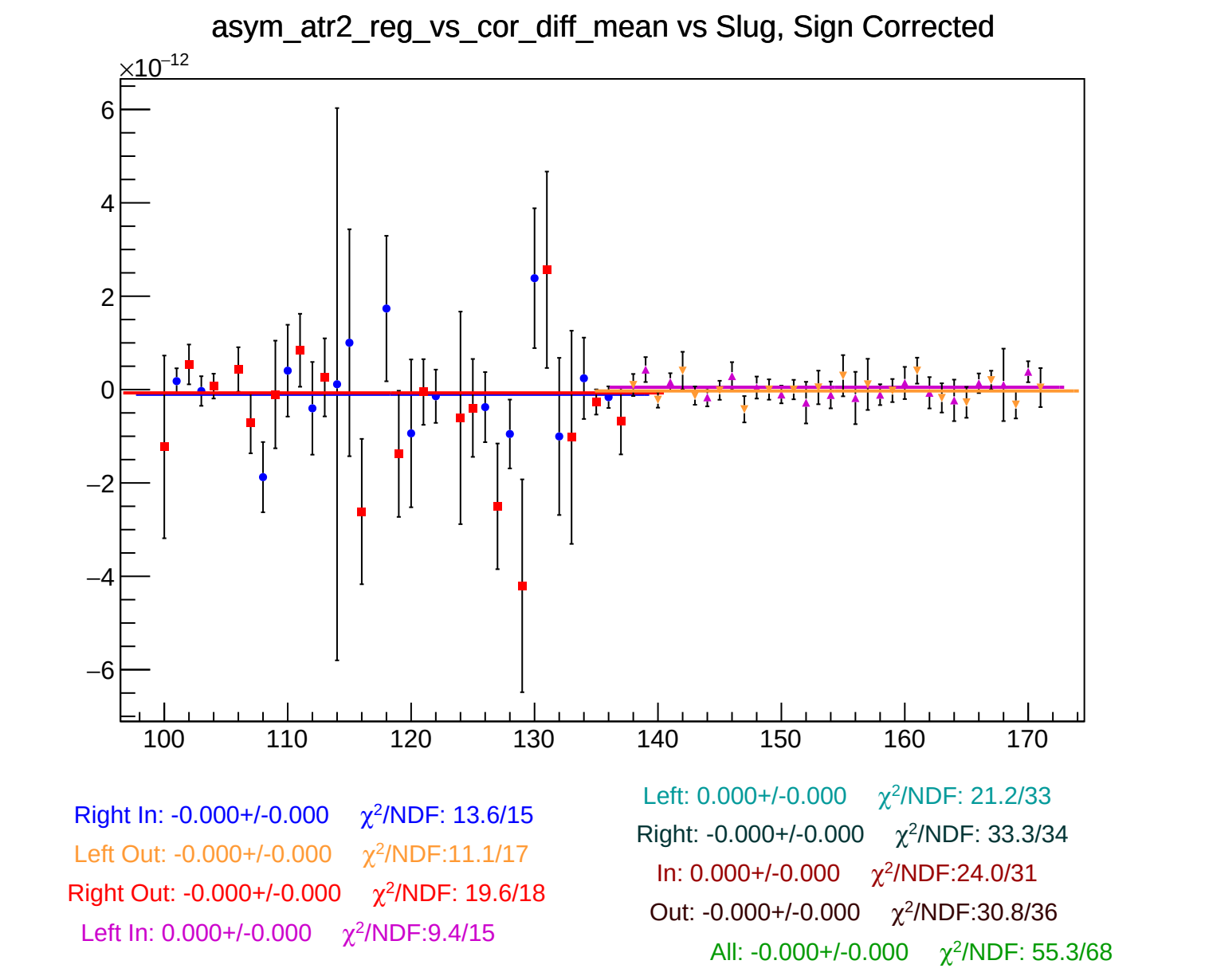
Left: 8902.604+/-1.224 χ^2/NDF: 1544633.8/33

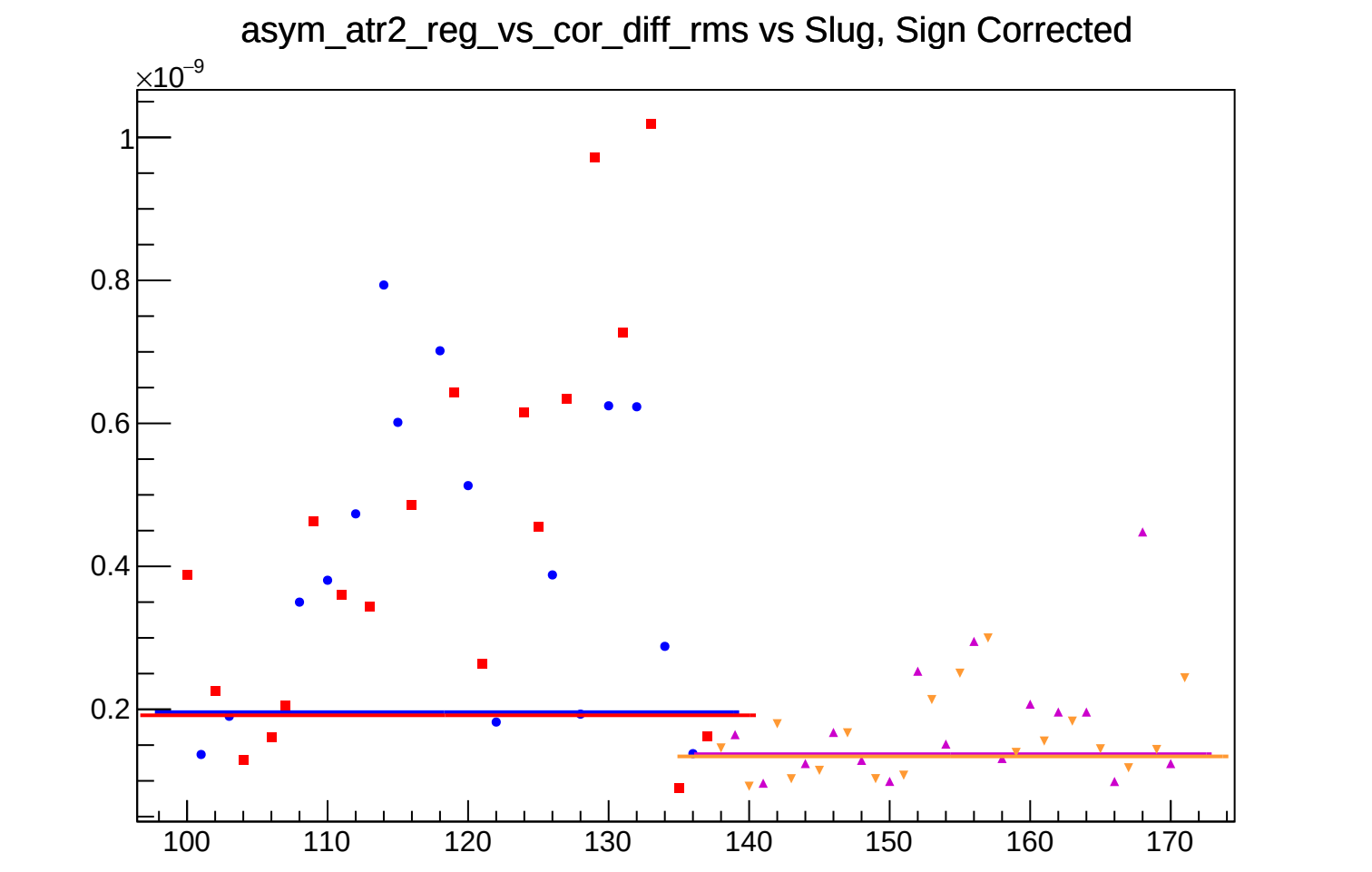
Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8720.583+/-1.398 χ^2/NDF:1801967.0/31

Out: 8554.517+/-1.338 χ^2/NDF:1780933.7/36

All: 8633.874+/-0.967 χ^2/NDF: 3590265.3/68


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:9.4/15
Left: 0.000+/-0.000 χ²/NDF: 21.2/33
Right: -0.000+/-0.000 χ²/NDF: 33.3/34
In: 0.000+/-0.000 χ²/NDF:24.0/31
Out: -0.000+/-0.000 χ²/NDF:30.8/36
All: -0.000+/-0.000 χ²/NDF: 55.3/68



Right In: 0.000+/-0.000 χ^2/NDF: 1342263.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:957935.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2066454.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1097535.8/15

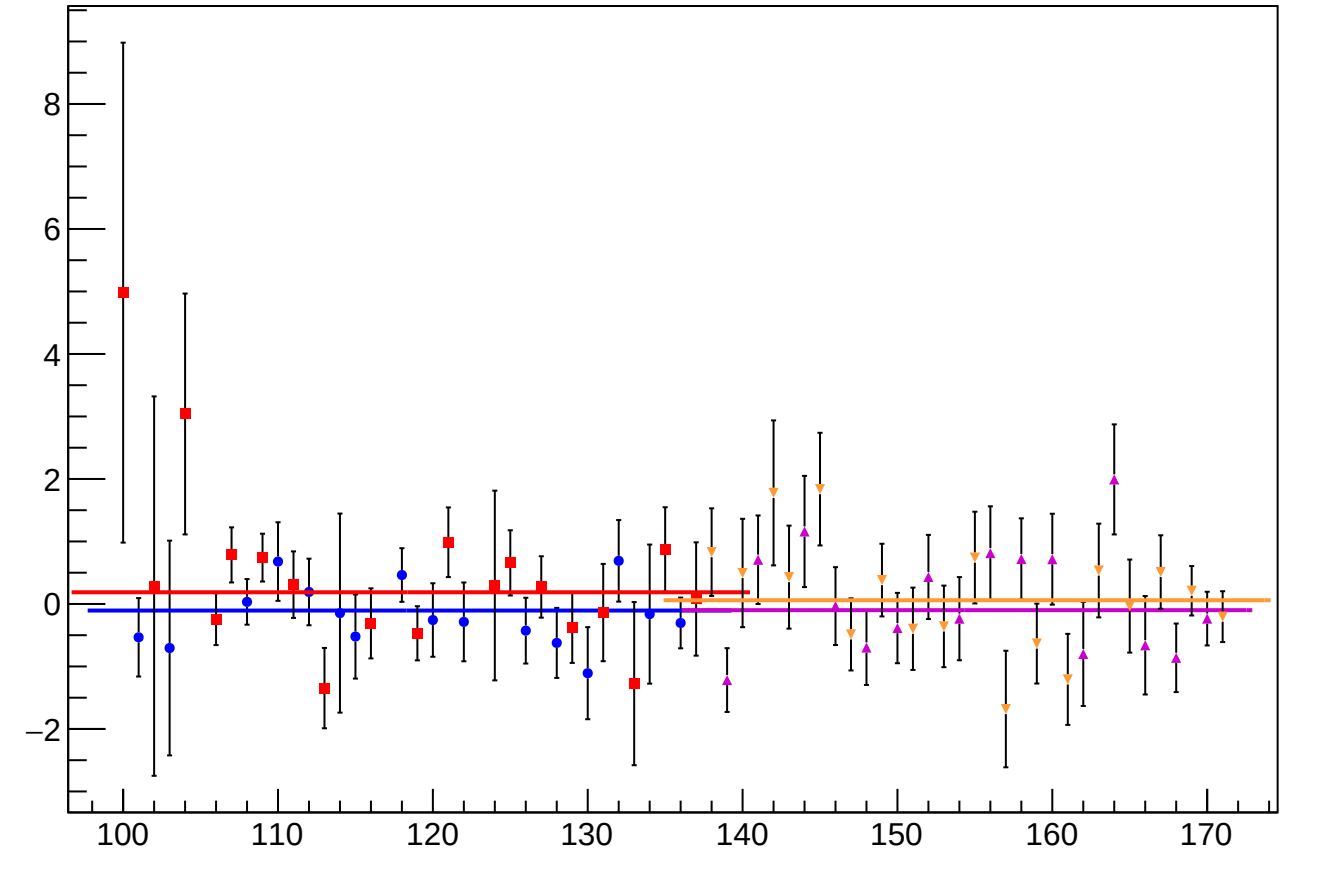
Left: 0.000+/-0.000 χ^2/NDF: 2057901.5/33

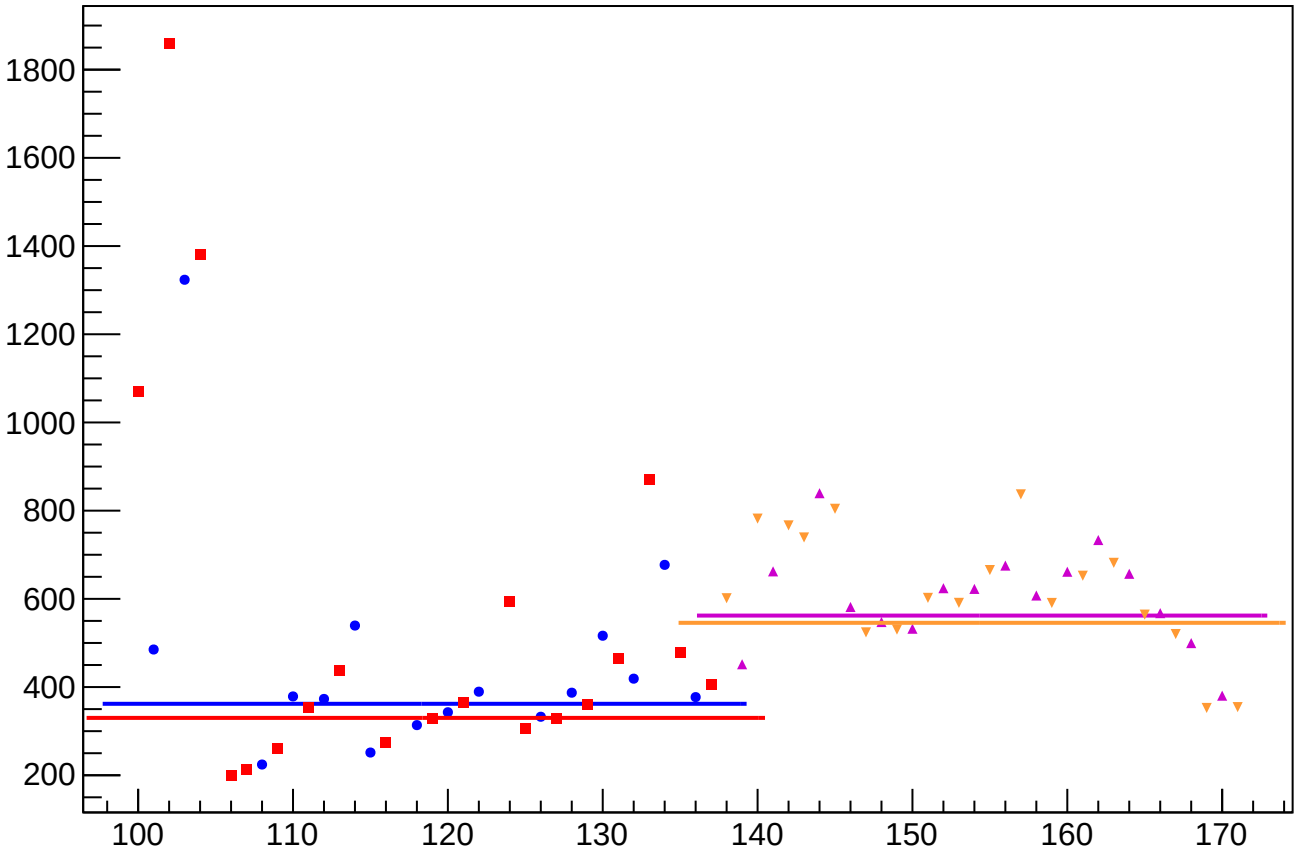
Right: 0.000+/-0.000 χ^2/NDF: 3409753.0/34

In: 0.000+/-0.000 χ^2/NDF:2748870.9/31

Out: 0.000+/-0.000 χ^2/NDF:3310722.9/36

All: 0.000+/-0.000 χ^2/NDF: 6068151.9/68


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: -0.100+/-0.160 χ²/NDF:23.3/15
Left: -0.016+/-0.110 χ²/NDF: 43.7/33
Right: 0.048+/-0.100 χ²/NDF: 35.7/34
In: -0.103+/-0.107 χ²/NDF:33.0/31
Out: 0.129+/-0.102 χ²/NDF:44.2/36
All: 0.019+/-0.074 χ²/NDF: 79.6/68



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: 562.098+/-0.113 χ^2/NDF:955221.6/15

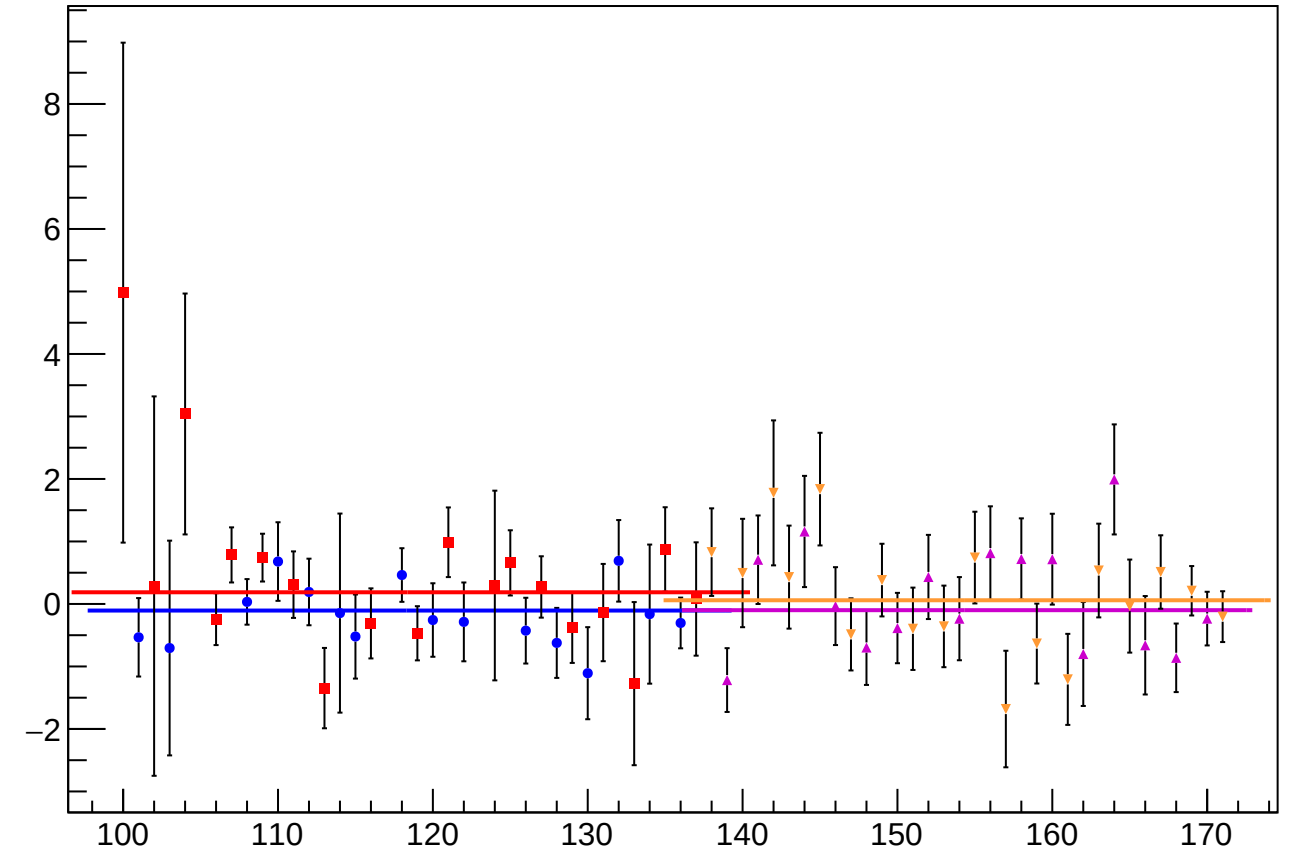
Left: 553.447+/-0.078 χ^2/NDF: 2794610.2/33

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.230+/-0.076 χ^2/NDF:4056480.8/31

Out: 427.547+/-0.072 χ^2/NDF:6300455.0/36

All: 439.239+/-0.052 χ^2/NDF: 10412722.5/68



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: -0.100+/-0.160 χ^2/NDF:23.3/15

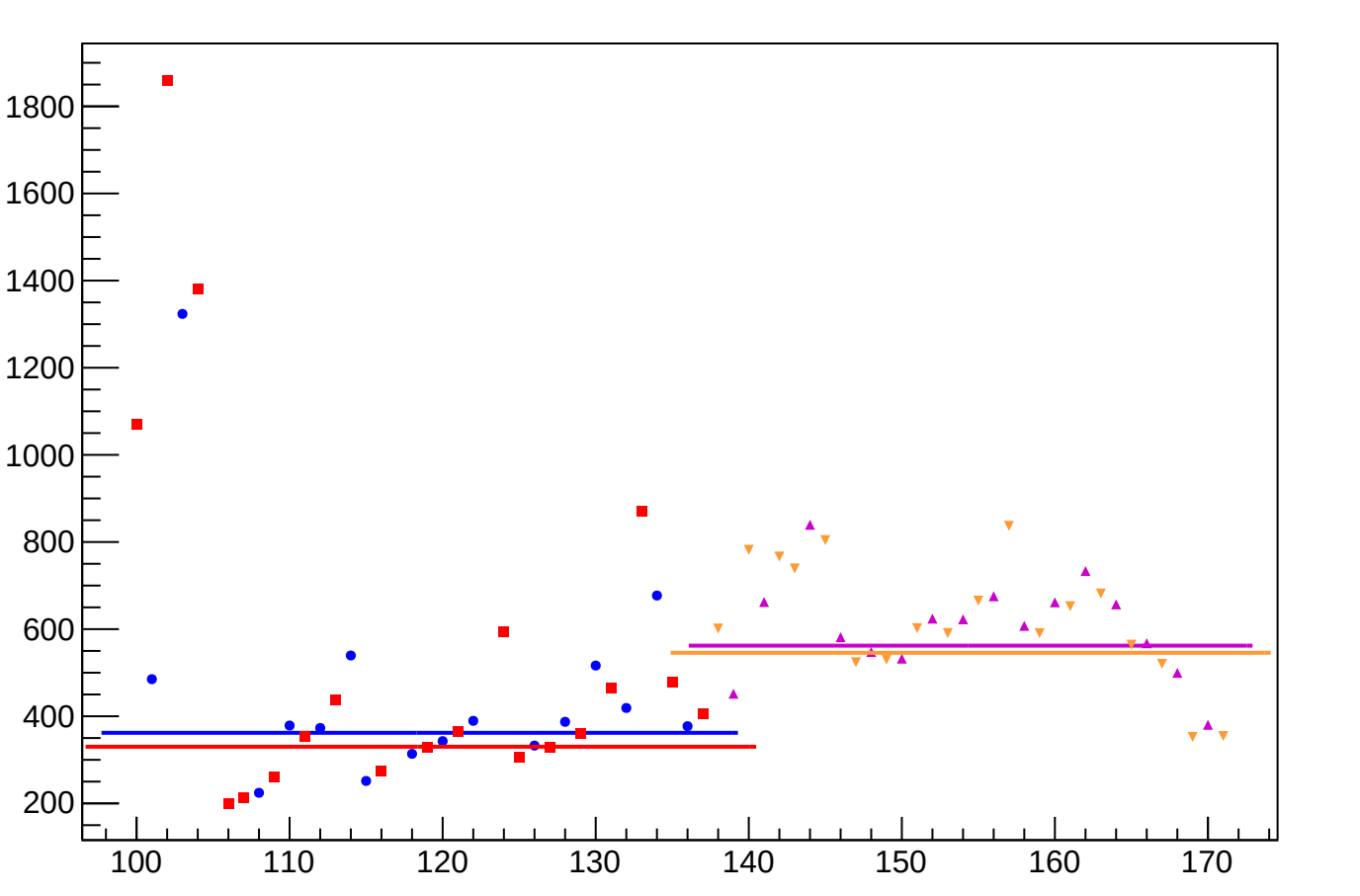
Left: -0.016+/-0.110 χ^2/NDF: 43.7/33

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.103+/-0.107 χ^2/NDF:33.0/31

Out: 0.129+/-0.102 χ^2/NDF:44.2/36

All: 0.019+/-0.074 χ^2/NDF: 79.6/68



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: 562.098+/-0.113 χ^2/NDF:955221.6/15

Left: 553.447+/-0.078 χ^2/NDF: 2794610.2/33

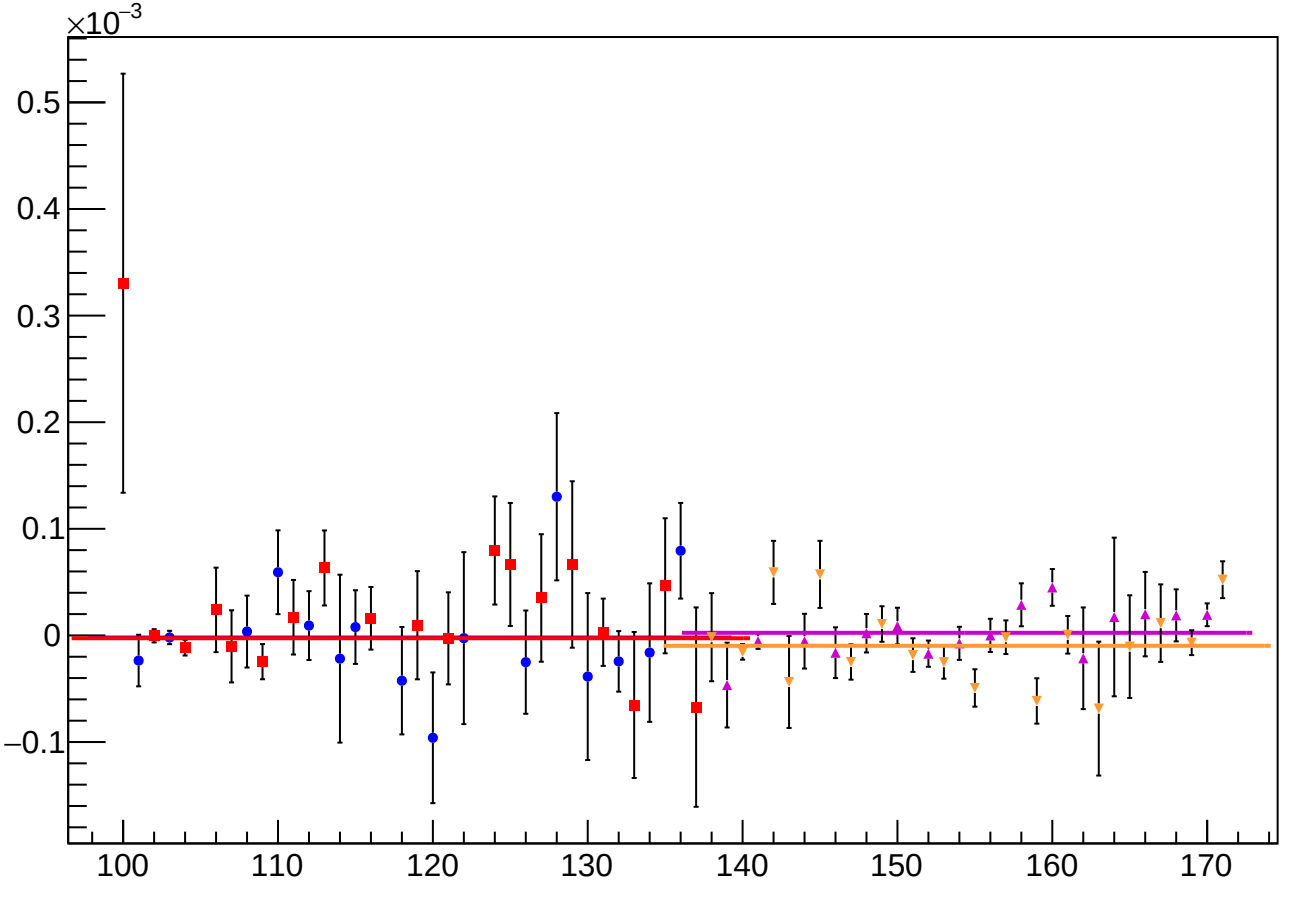
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 452.230+/-0.076 χ^2/NDF:4056480.8/31

Out: 427.547+/-0.072 χ^2/NDF:6300455.0/36

All: 439.239+/-0.052 χ^2/NDF: 10412722.5/68

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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:17.7/15

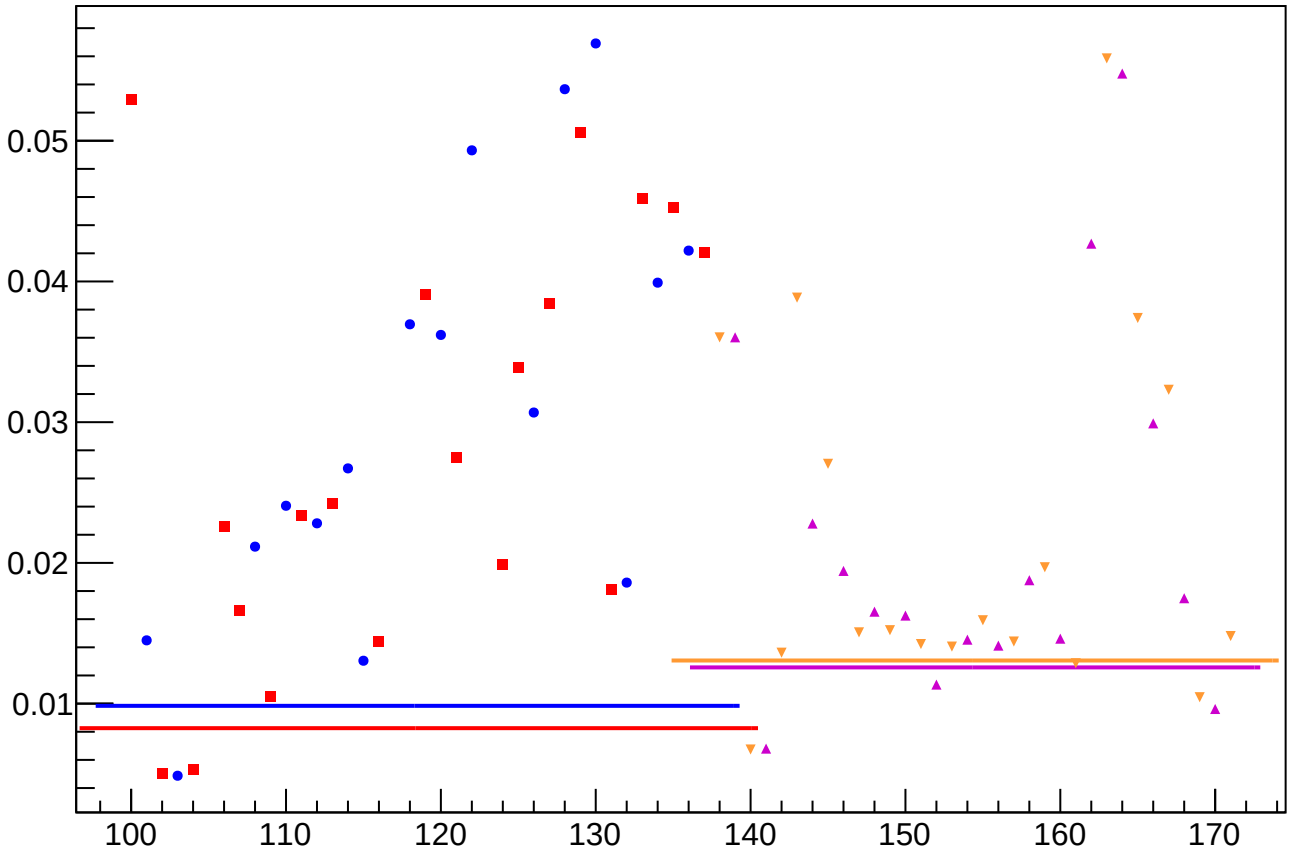
Left: -0.000+/-0.000 χ^2/NDF: 62.9/33

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:31.9/31

Out: -0.000+/-0.000 χ^2/NDF:60.3/36

All: -0.000+/-0.000 χ^2/NDF: 95.0/68



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: 0.013+/-0.000 χ^2/NDF:4983216.3/15

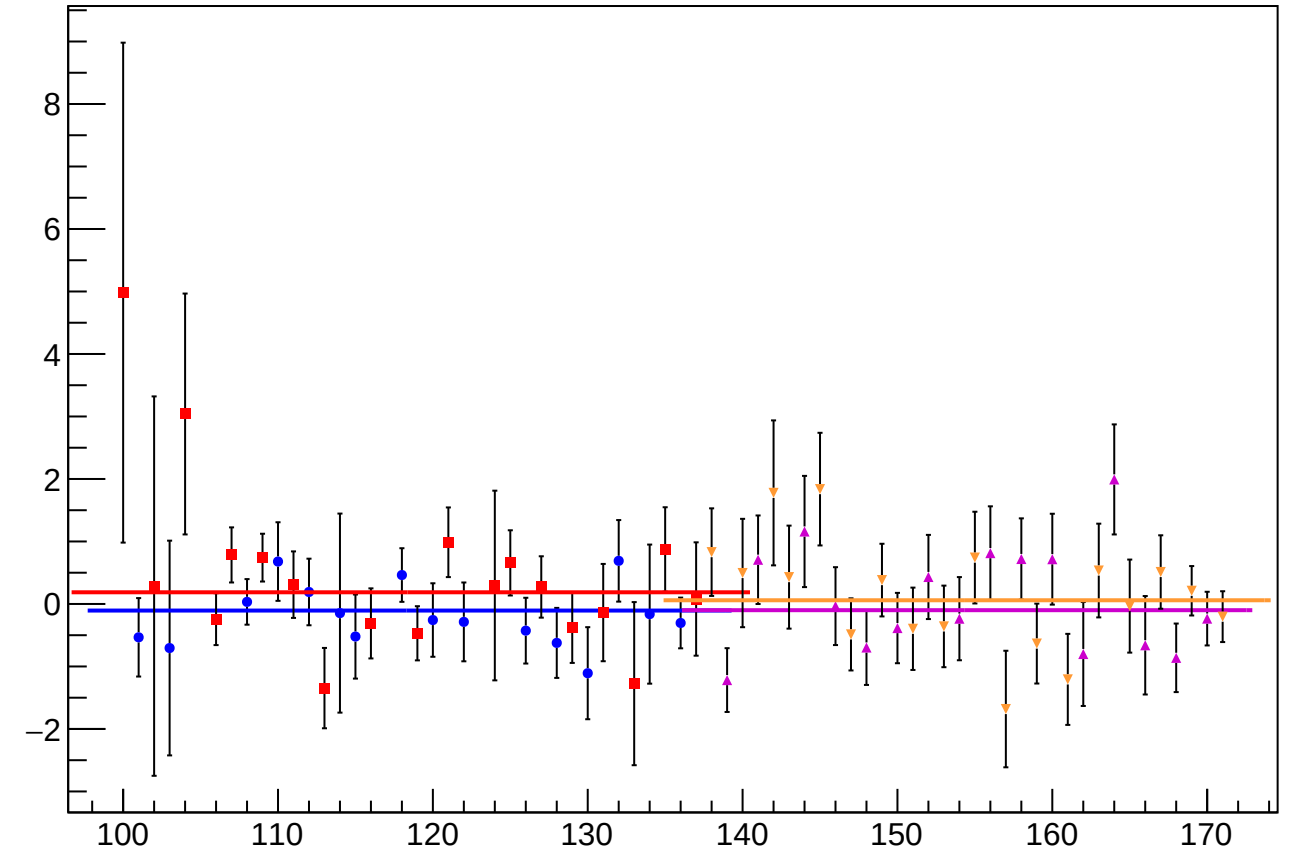
Left: 0.013+/-0.000 χ^2/NDF: 10670983.0/33

Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:12363865.3/31

Out: 0.011+/-0.000 χ^2/NDF:13775213.8/36

All: 0.011+/-0.000 χ^2/NDF: 26209606.7/68



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: -0.100+/-0.160 χ^2/NDF:23.3/15

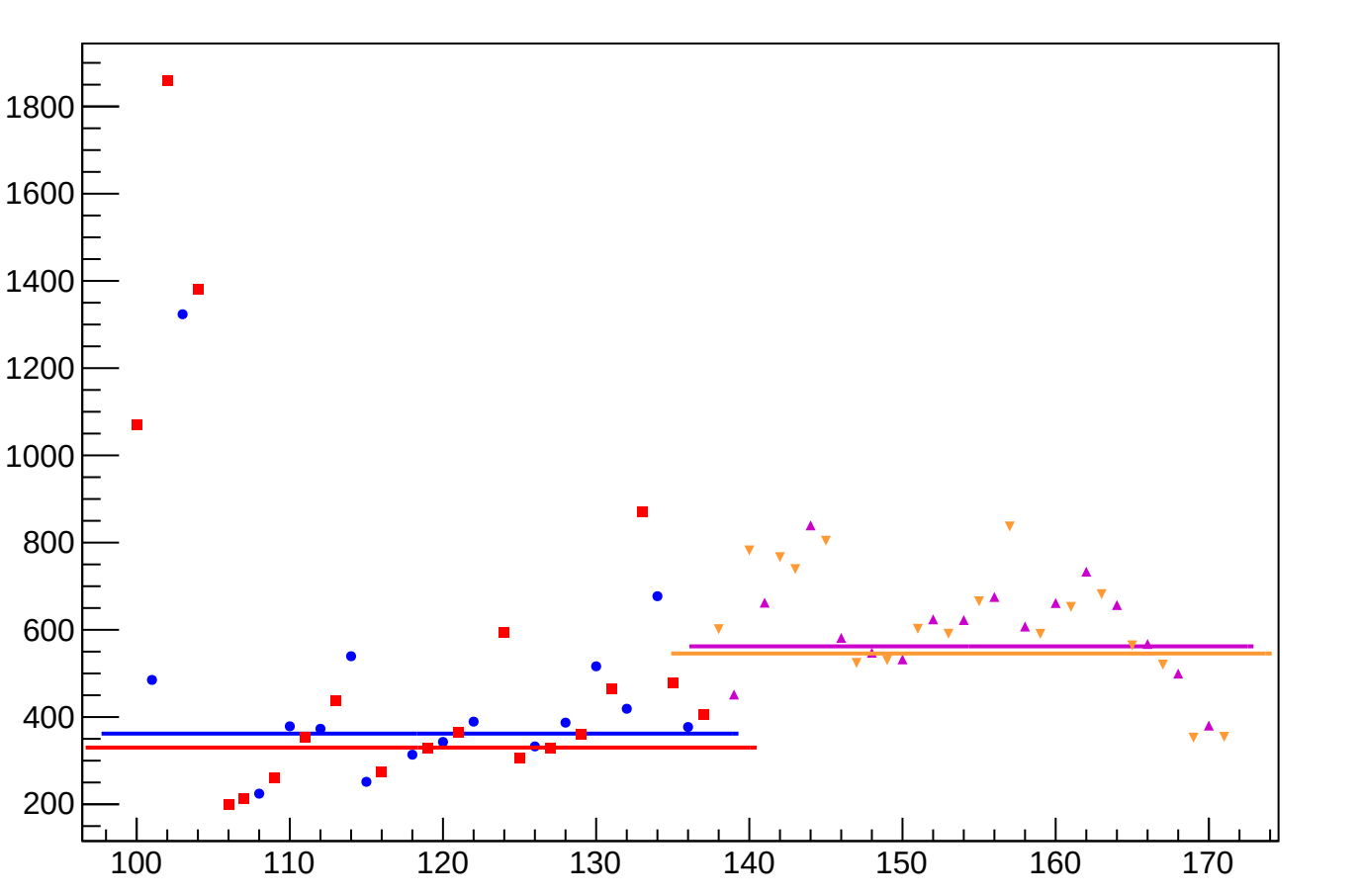
Left: -0.016+/-0.110 χ^2/NDF: 43.7/33

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.103+/-0.107 χ^2/NDF:33.0/31

Out: 0.129+/-0.102 χ^2/NDF:44.2/36

All: 0.019+/-0.074 χ^2/NDF: 79.6/68



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: 562.106+/-0.113 χ^2/NDF:955244.8/15

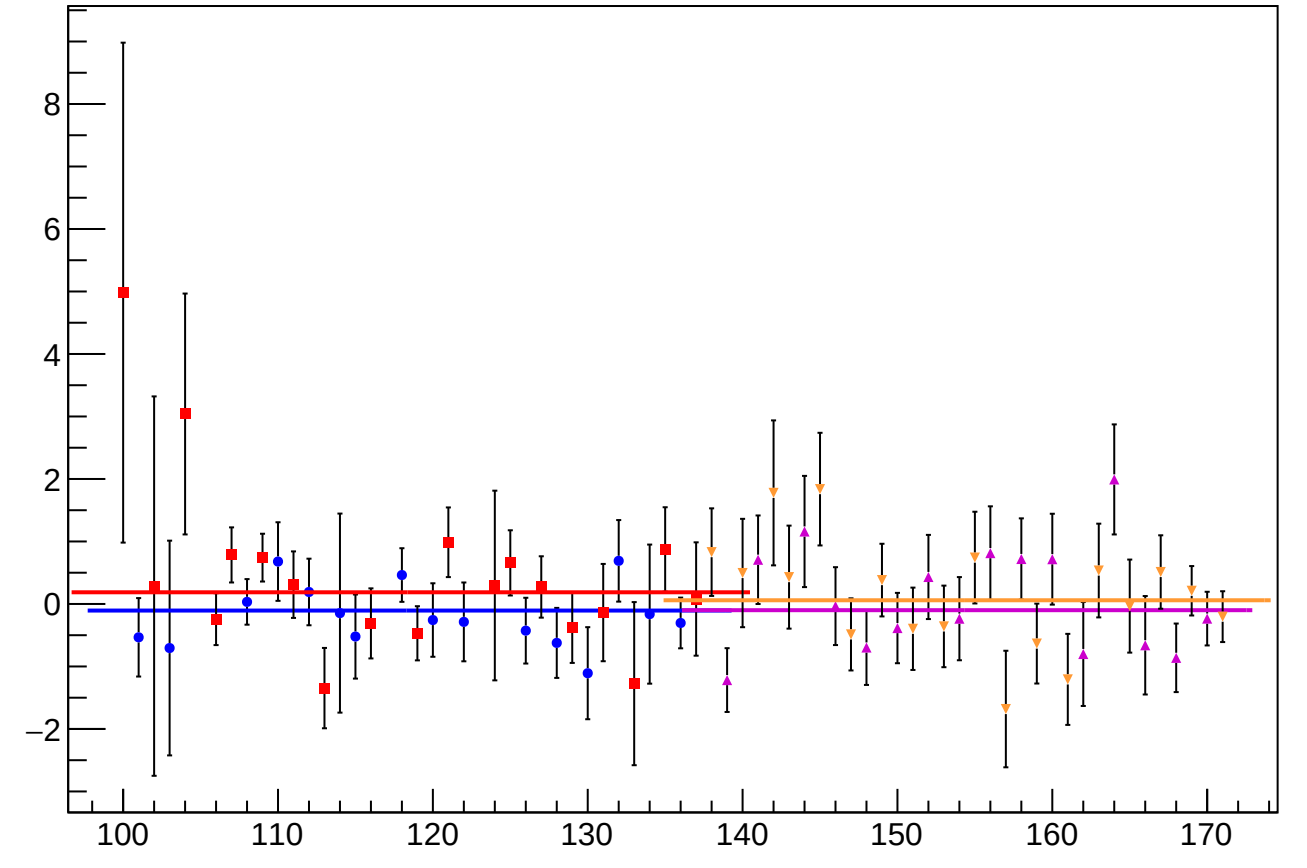
Left: 553.453+/-0.078 χ^2/NDF: 2794747.6/33

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.230+/-0.076 χ^2/NDF:4056666.9/31

Out: 427.546+/-0.072 χ^2/NDF:6300654.8/36

All: 439.238+/-0.052 χ^2/NDF: 10413108.8/68



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: -0.100+/-0.160 χ^2/NDF:23.3/15

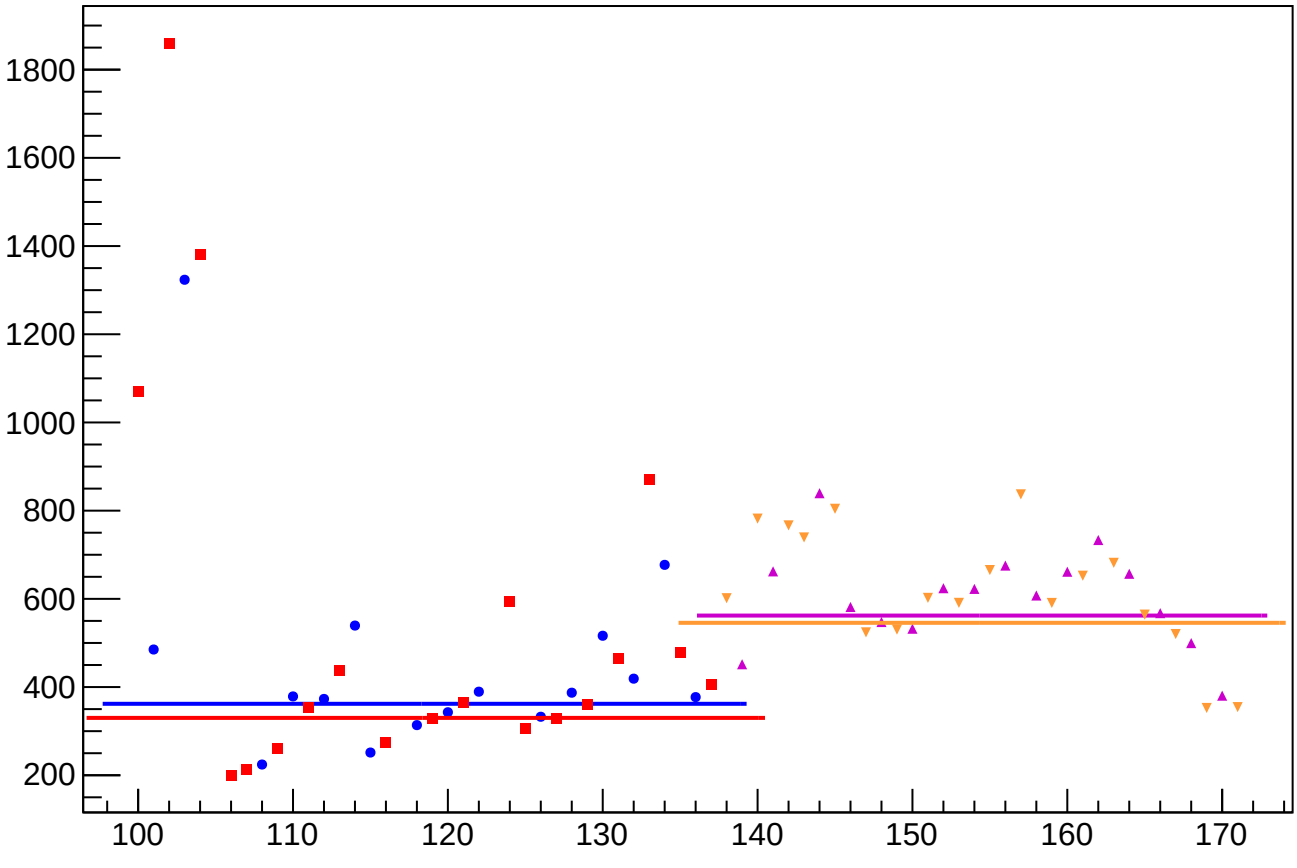
Left: -0.016+/-0.110 χ^2/NDF: 43.7/33

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.103+/-0.107 χ^2/NDF:33.0/31

Out: 0.129+/-0.102 χ^2/NDF:44.2/36

All: 0.019+/-0.074 χ^2/NDF: 79.6/68



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: 562.106+/-0.113 χ^2/NDF:955244.8/15

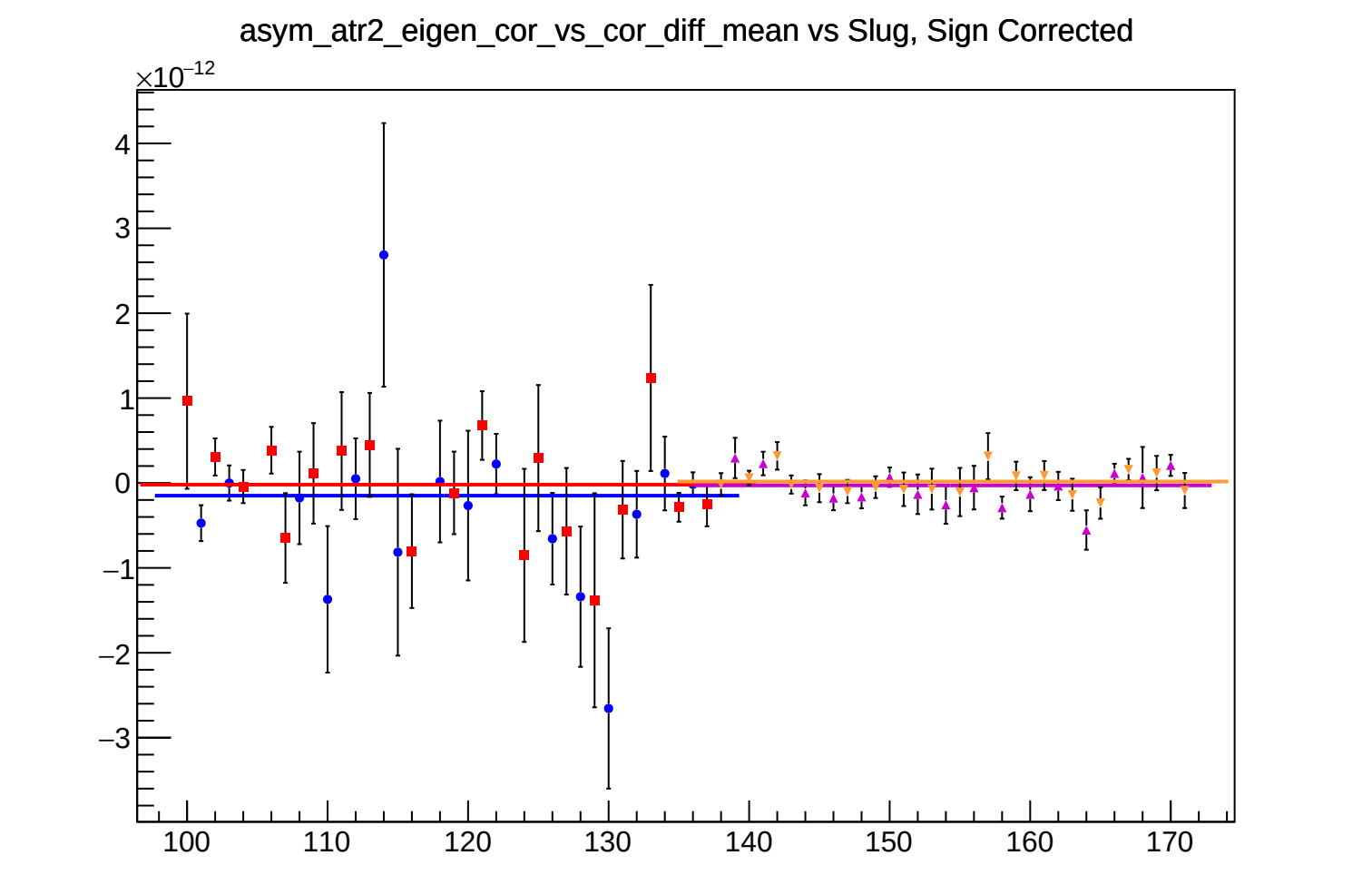
Left: 553.453+/-0.078 χ^2/NDF: 2794747.6/33

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 452.230+/-0.076 χ^2/NDF:4056666.9/31

Out: 427.546+/-0.072 χ^2/NDF:6300654.8/36

All: 439.238+/-0.052 χ^2/NDF: 10413108.8/68



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:24.5/15

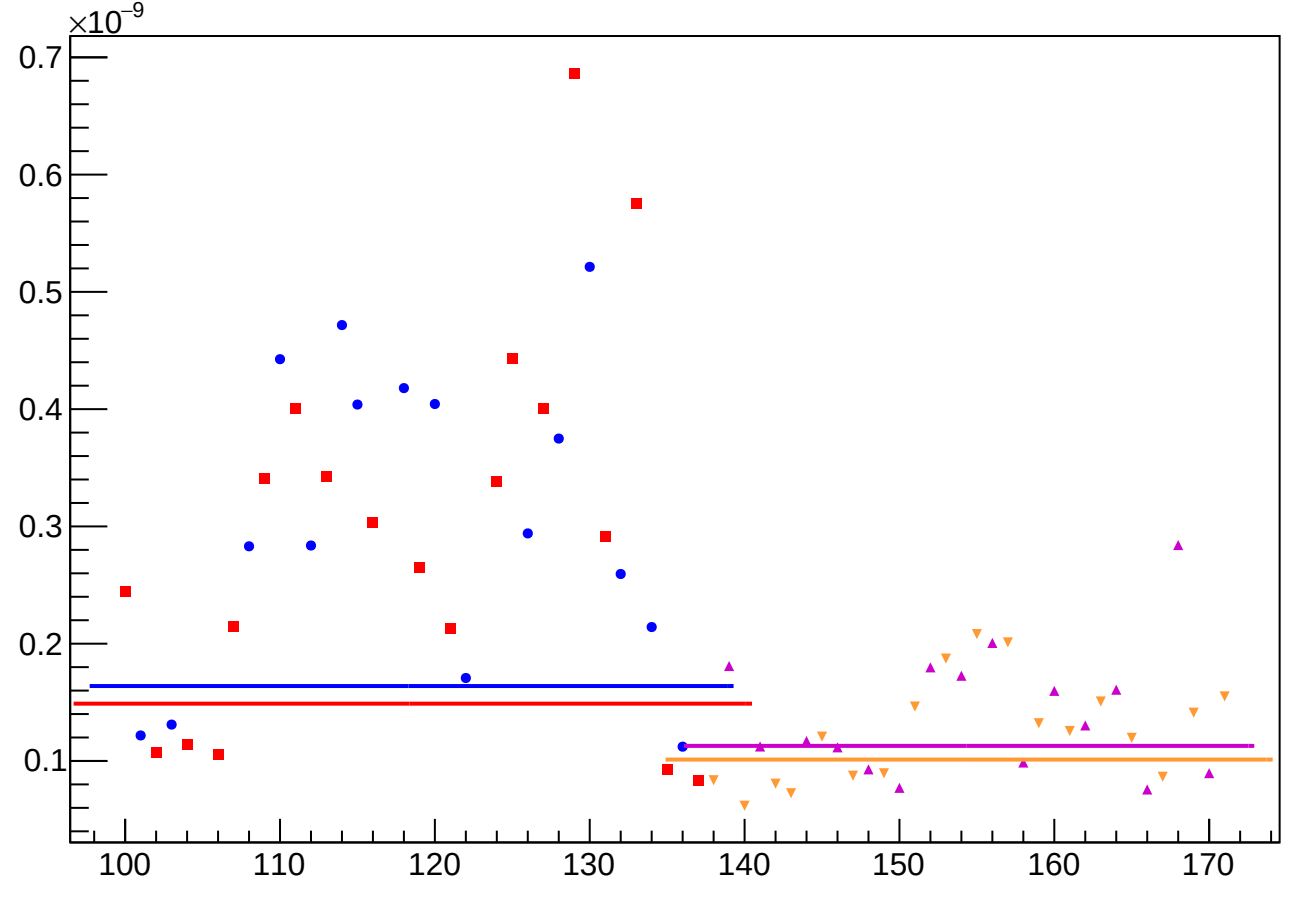
Left: -0.000+/-0.000 χ^2/NDF: 36.7/33

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:47.3/31

Out: 0.000+/-0.000 χ^2/NDF:31.1/36

All: -0.000+/-0.000 χ^2/NDF: 79.9/68



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:1927724.7/15

Left: 0.000+/-0.000 χ^2/NDF: 4148462.8/33

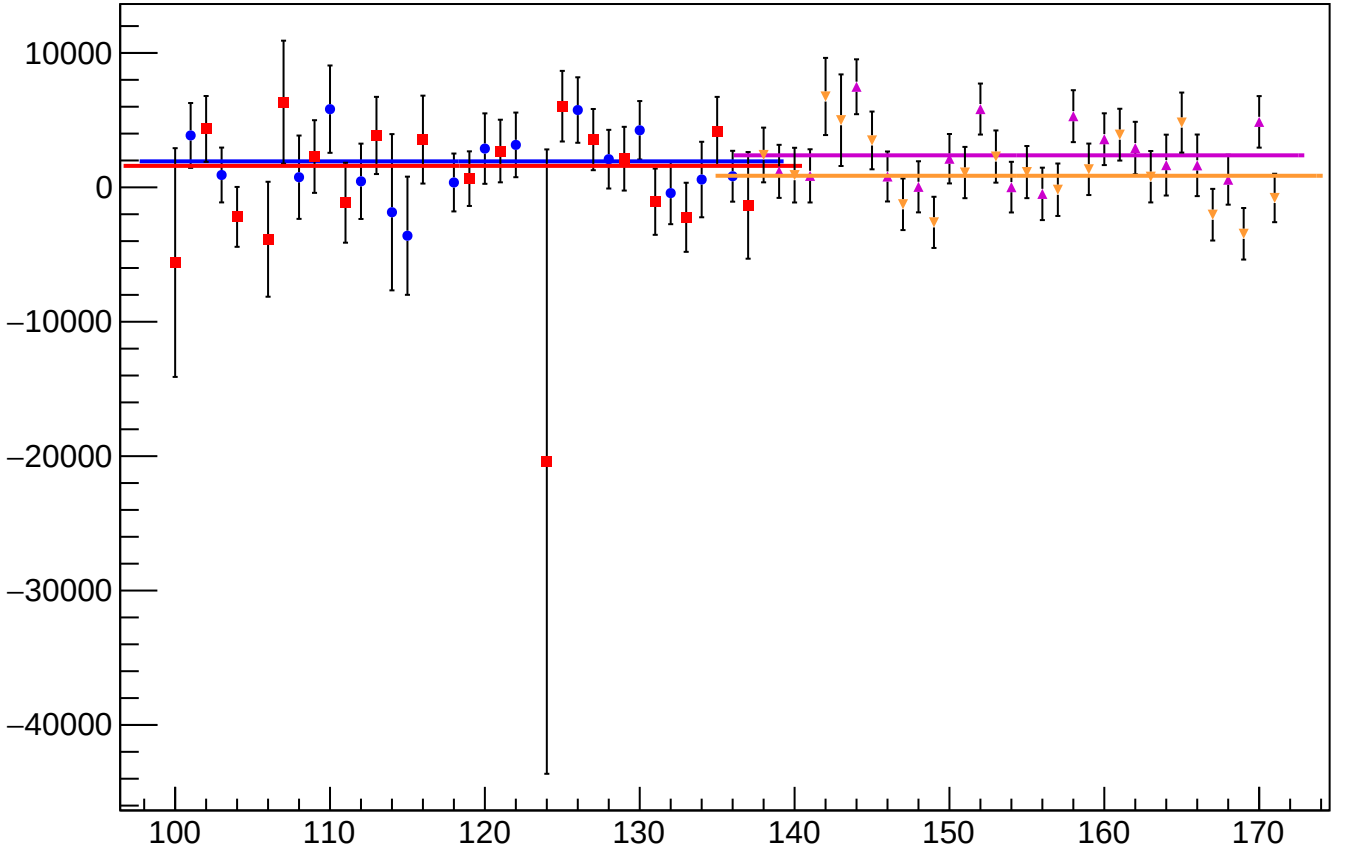
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4506327.9/31

Out: 0.000+/-0.000 χ^2/NDF:5521694.7/36

All: 0.000+/-0.000 χ^2/NDF: 10168776.2/68

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: 2383.083+/-488.989 χ^2/NDF:22.1/15

Left: 1604.376+/-341.567 χ^2/NDF: 54.1/33

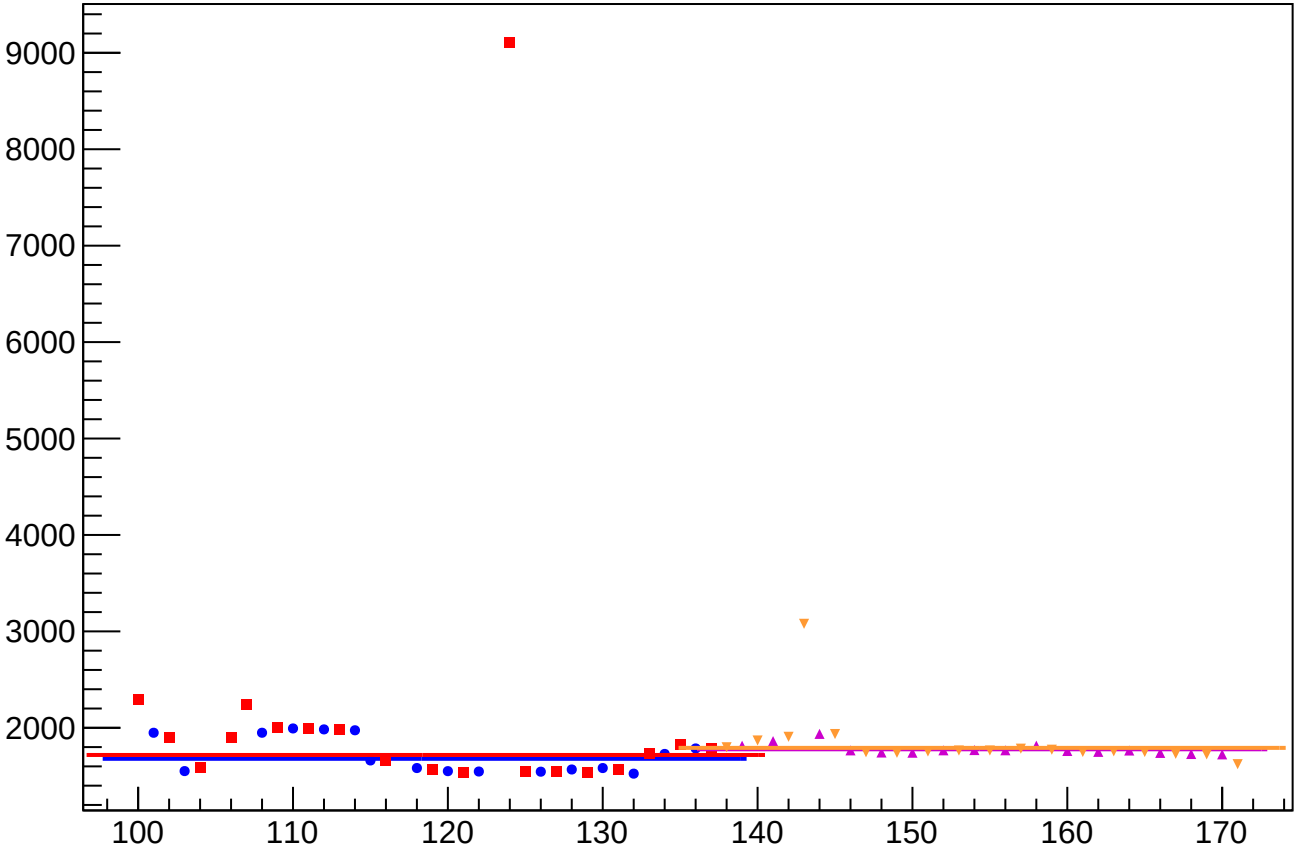
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2213.821+/-385.793 χ^2/NDF:33.3/31

Out: 1124.140+/-383.093 χ^2/NDF:47.3/36

All: 1665.154+/-271.838 χ^2/NDF: 84.6/68

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: 1777.148+/-0.346 χ^2/NDF:22937.7/15

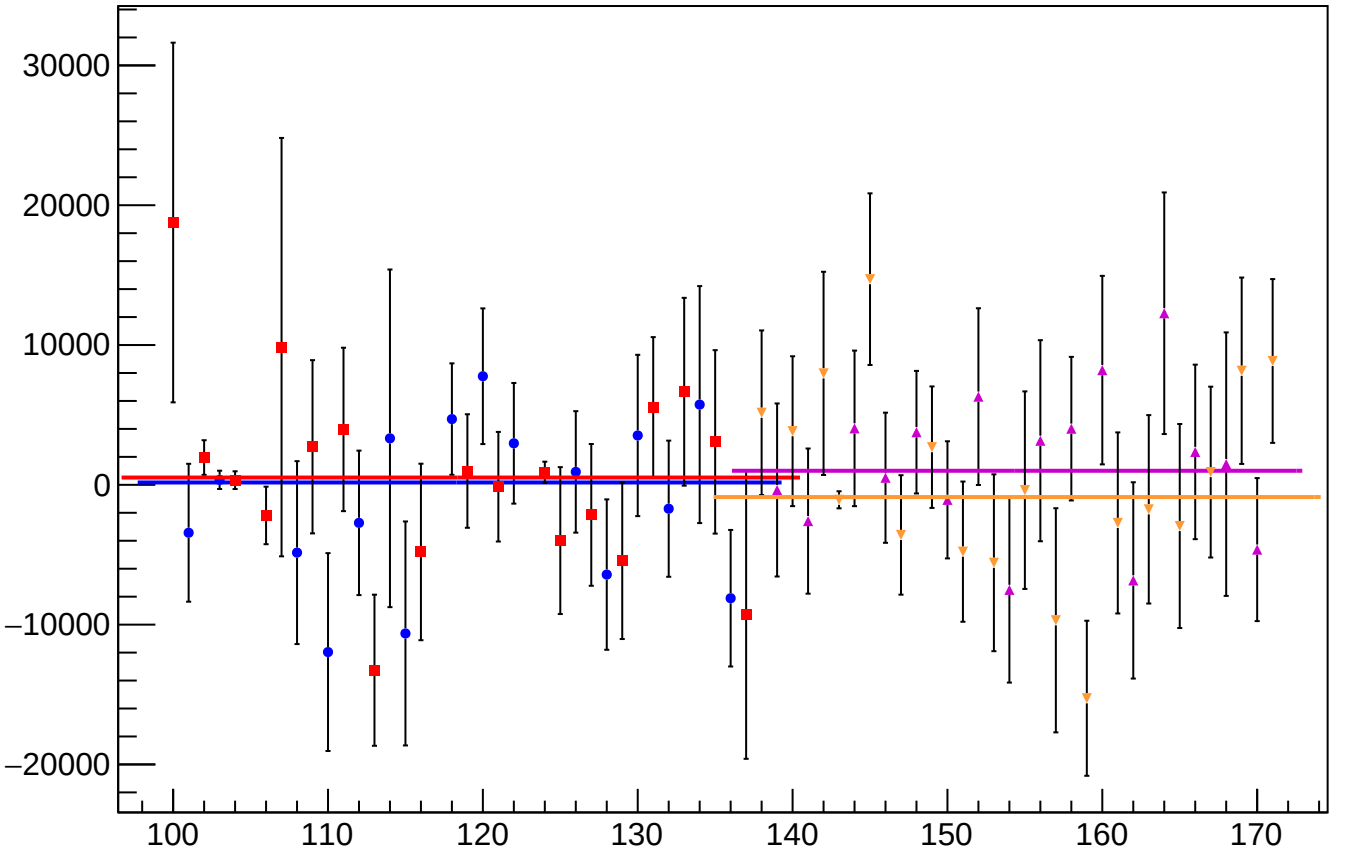
Left: 1784.695+/-0.242 χ^2/NDF: 352969.9/33

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1739.921+/-0.273 χ^2/NDF:195124.6/31

Out: 1765.545+/-0.270 χ^2/NDF:729293.2/36

All: 1752.844+/-0.192 χ^2/NDF: 928867.7/68



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: 1006.020+/-1433.587 χ^2/NDF:9.6/15

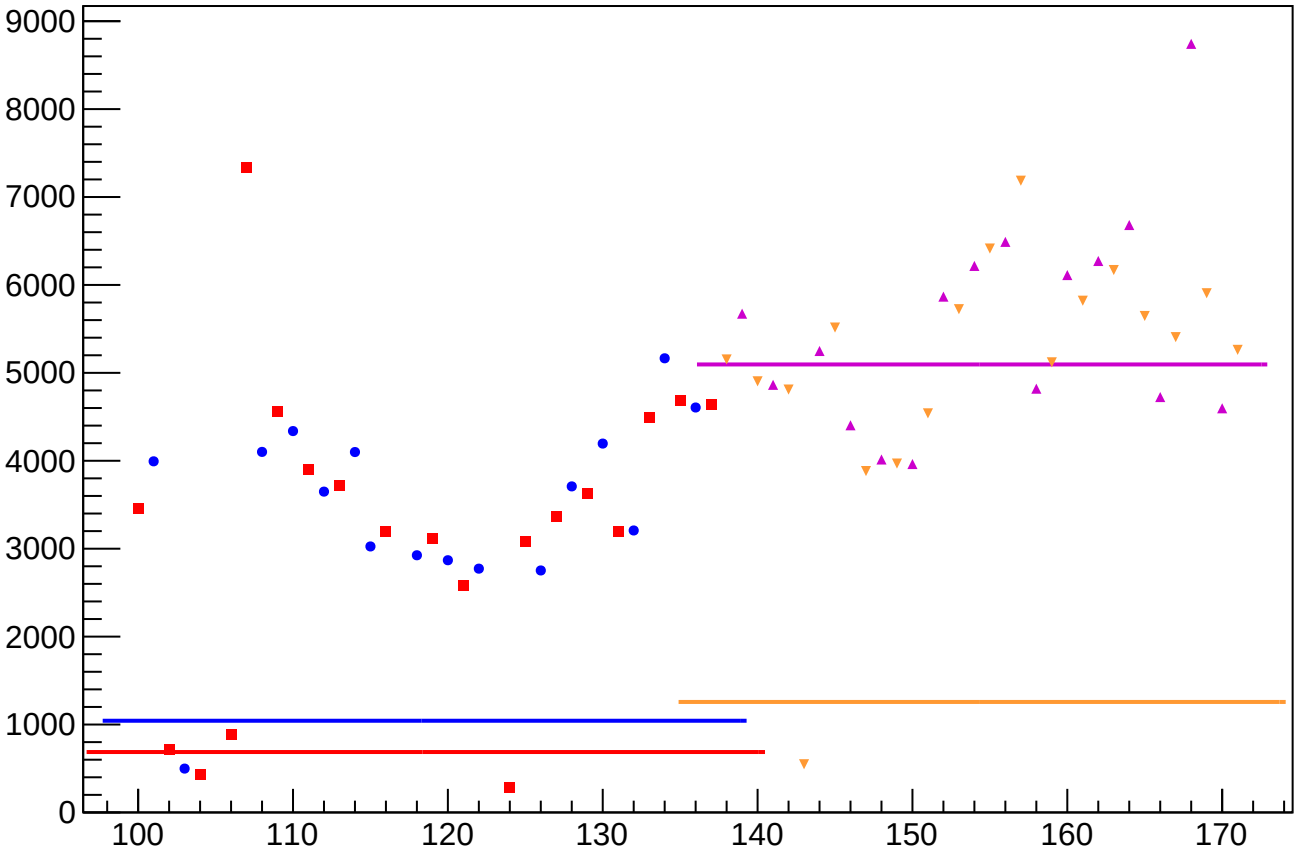
Left: -624.635+/-522.466 χ^2/NDF: 36.0/33

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 290.189+/-546.870 χ^2/NDF:25.7/31

Out: 12.620+/-338.666 χ^2/NDF:47.4/36

All: 89.562+/-287.926 χ^2/NDF: 73.3/68



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: 5095.661+/-1.014 χ^2/NDF:997418.2/15

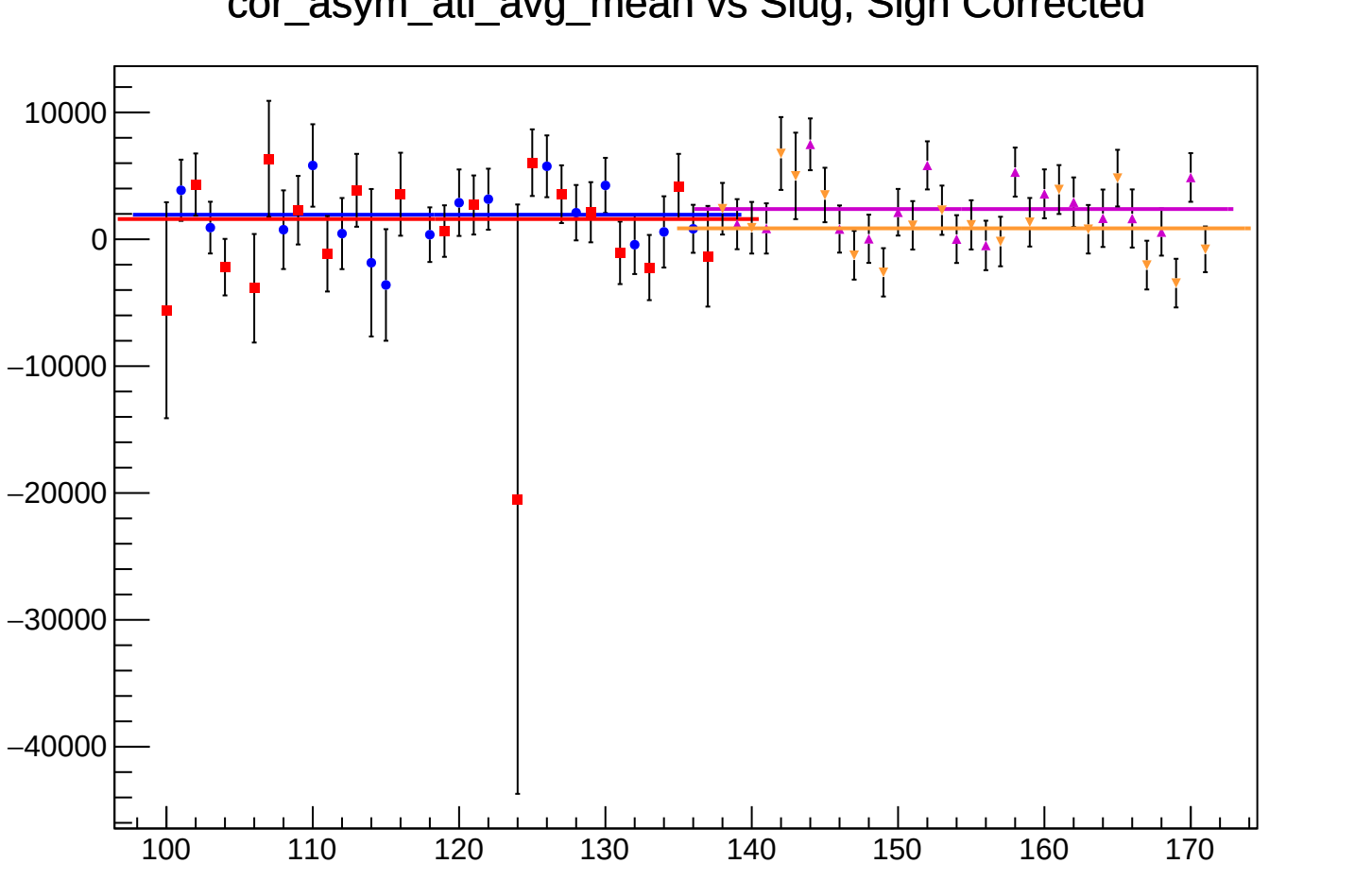
Left: 1766.796+/-0.369 χ^2/NDF: 31499671.8/33

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1632.840+/-0.387 χ^2/NDF:22765824.7/31

Out: 894.872+/-0.239 χ^2/NDF:28008523.5/36

All: 1099.436+/-0.204 χ^2/NDF: 53406771.3/6



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: 2383.159+/-488.989 χ^2/NDF:22.1/15

Left: 1604.411+/-341.567 χ^2/NDF: 54.1/33

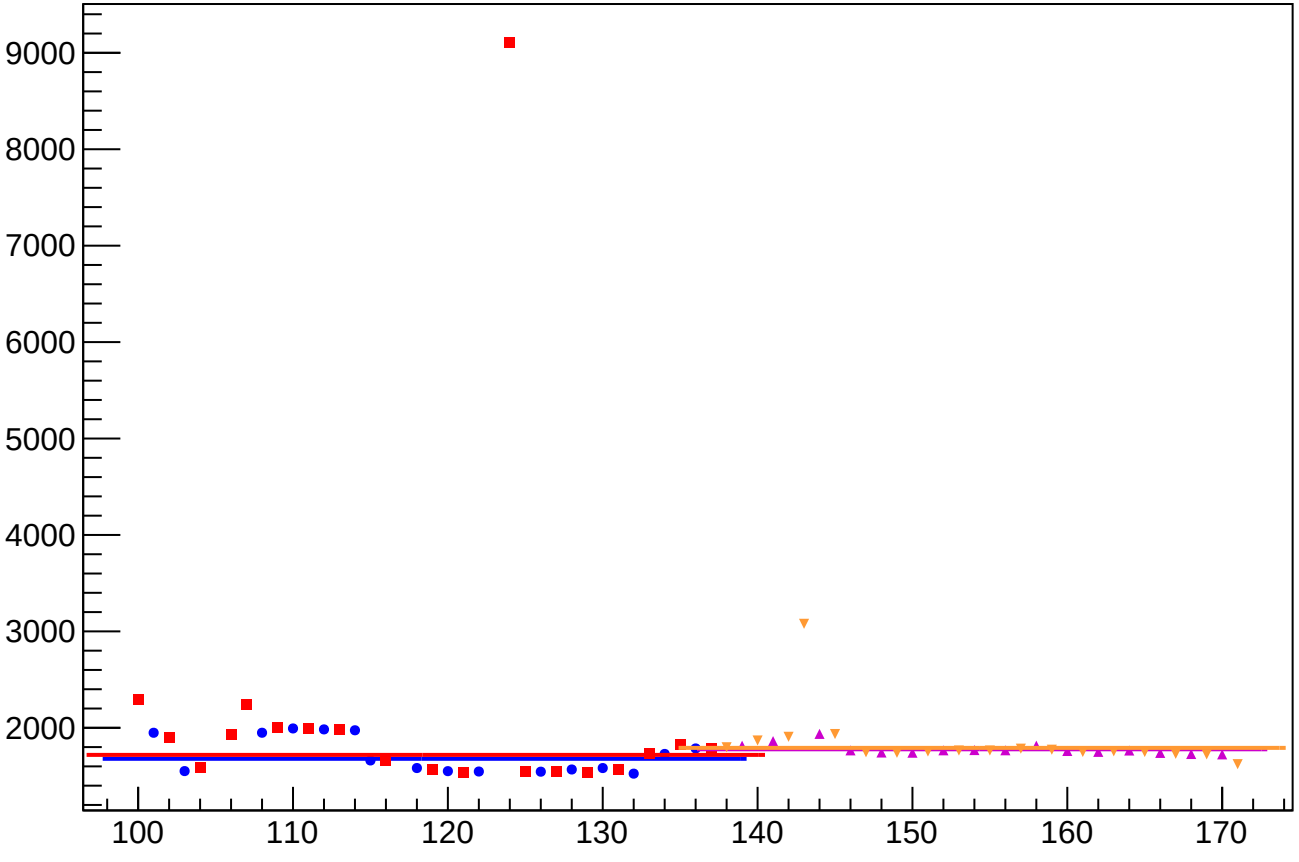
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2213.912+/-385.793 χ^2/NDF:33.3/31

Out: 1123.267+/-383.095 χ^2/NDF:47.3/36

All: 1664.761+/-271.838 χ^2/NDF: 84.6/68

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: 1777.148+/-0.346 χ^2/NDF:22937.7/15

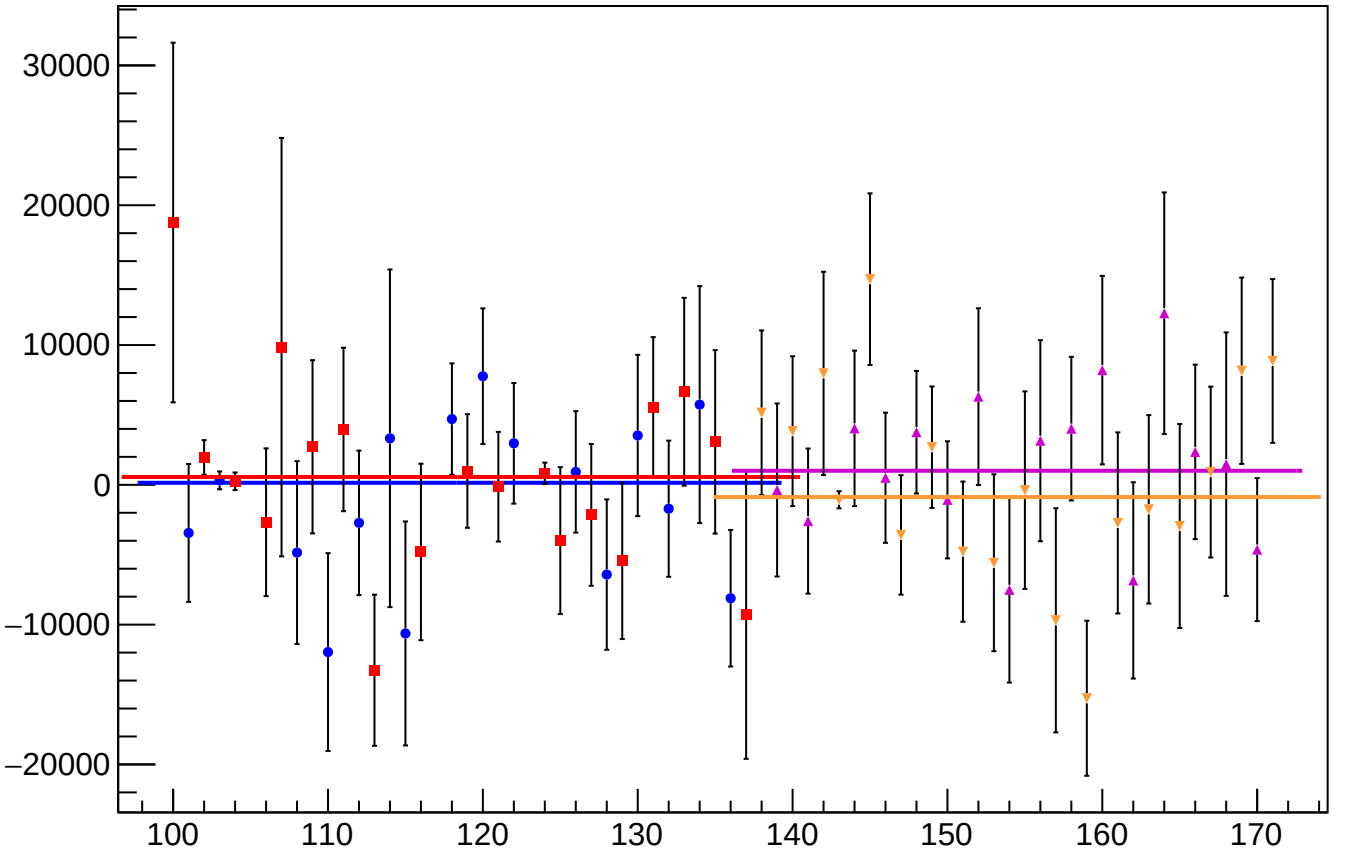
Left: 1784.695+/-0.242 χ^2/NDF: 352969.9/33

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.921+/-0.273 χ^2/NDF:195124.7/31

Out: 1765.860+/-0.270 χ^2/NDF:730642.1/36

All: 1753.001+/-0.192 χ^2/NDF: 930326.2/68



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: 1006.115+/-1433.586 χ^2/NDF:9.6/15

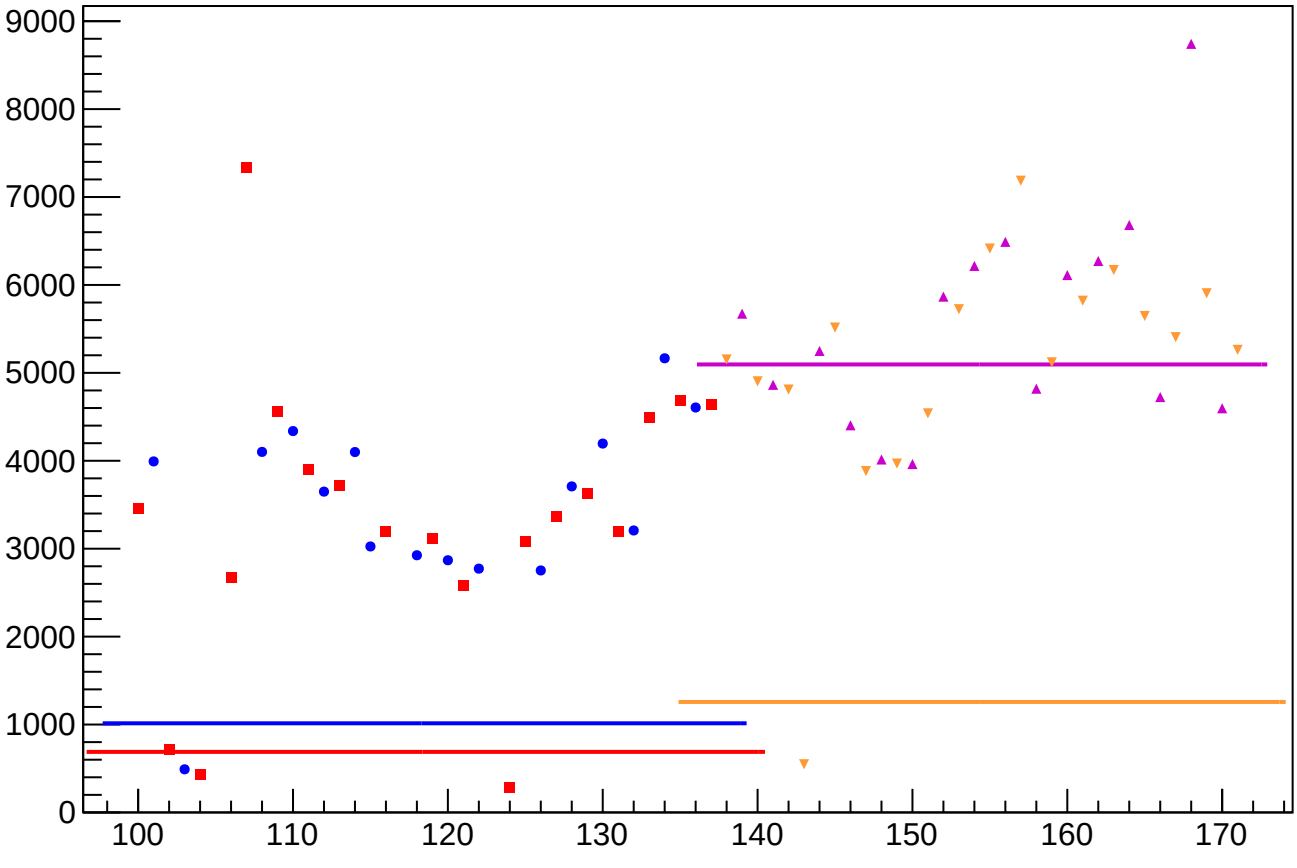
Left: -624.348+/-522.450 χ^2/NDF: 36.0/33

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 267.225+/-537.150 χ^2/NDF:25.7/31

Out: 29.271+/-341.598 χ^2/NDF:46.2/36

All: 97.793+/-288.248 χ^2/NDF: 72.1/68



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: 5095.655+/-1.014 χ^2/NDF:997438.3/15

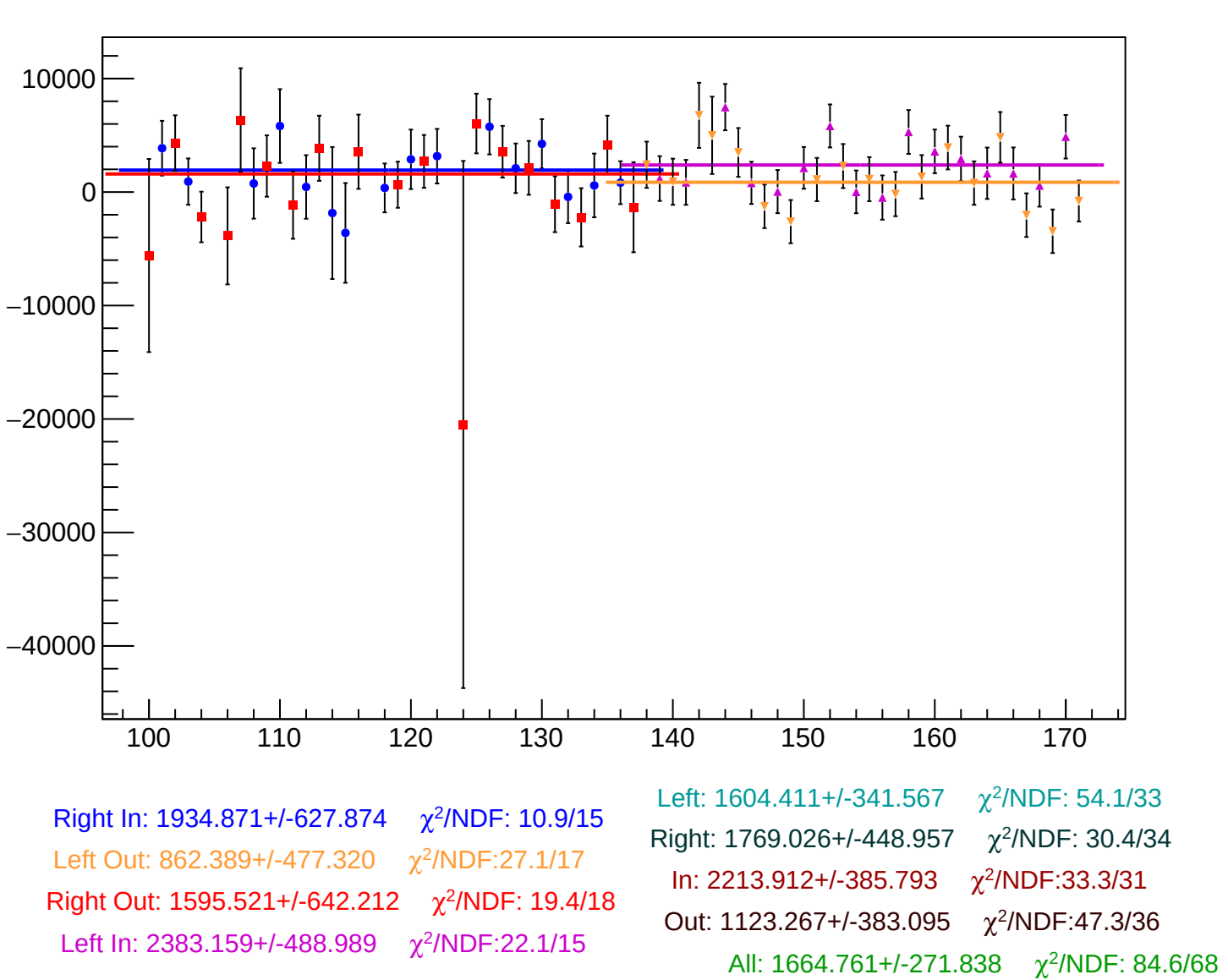
Left: 1766.706+/-0.369 χ^2/NDF: 31500625.8/33

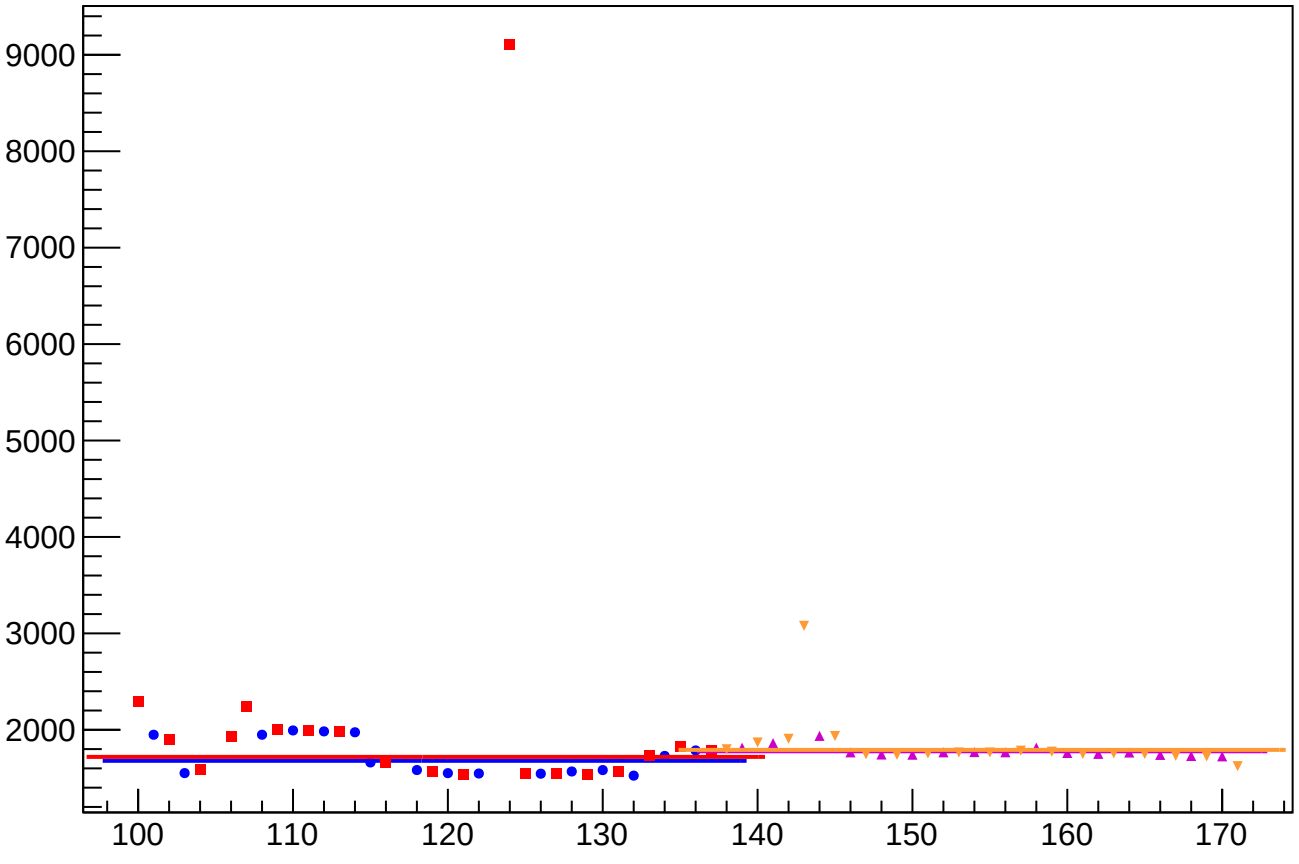
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1587.115+/-0.380 χ^2/NDF:23156365.6/31

Out: 899.556+/-0.242 χ^2/NDF:28266574.1/36

All: 1097.549+/-0.204 χ^2/NDF: 53756180.7/6


eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 1934.871+/-627.874 χ²/NDF: 10.9/15
Left Out: 862.389+/-477.320 χ²/NDF:27.1/17
Right Out: 1595.521+/-642.212 χ²/NDF: 19.4/18
Left In: 2383.159+/-488.989 χ²/NDF:22.1/15
Left: 1604.411+/-341.567 χ²/NDF: 54.1/33
Right: 1769.026+/-448.957 χ²/NDF: 30.4/34
In: 2213.912+/-385.793 χ²/NDF:33.3/31
Out: 1123.267+/-383.095 χ²/NDF:47.3/36
All: 1664.761+/-271.838 χ²/NDF: 84.6/68



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: 1777.148+/-0.346 χ^2/NDF:22937.7/15

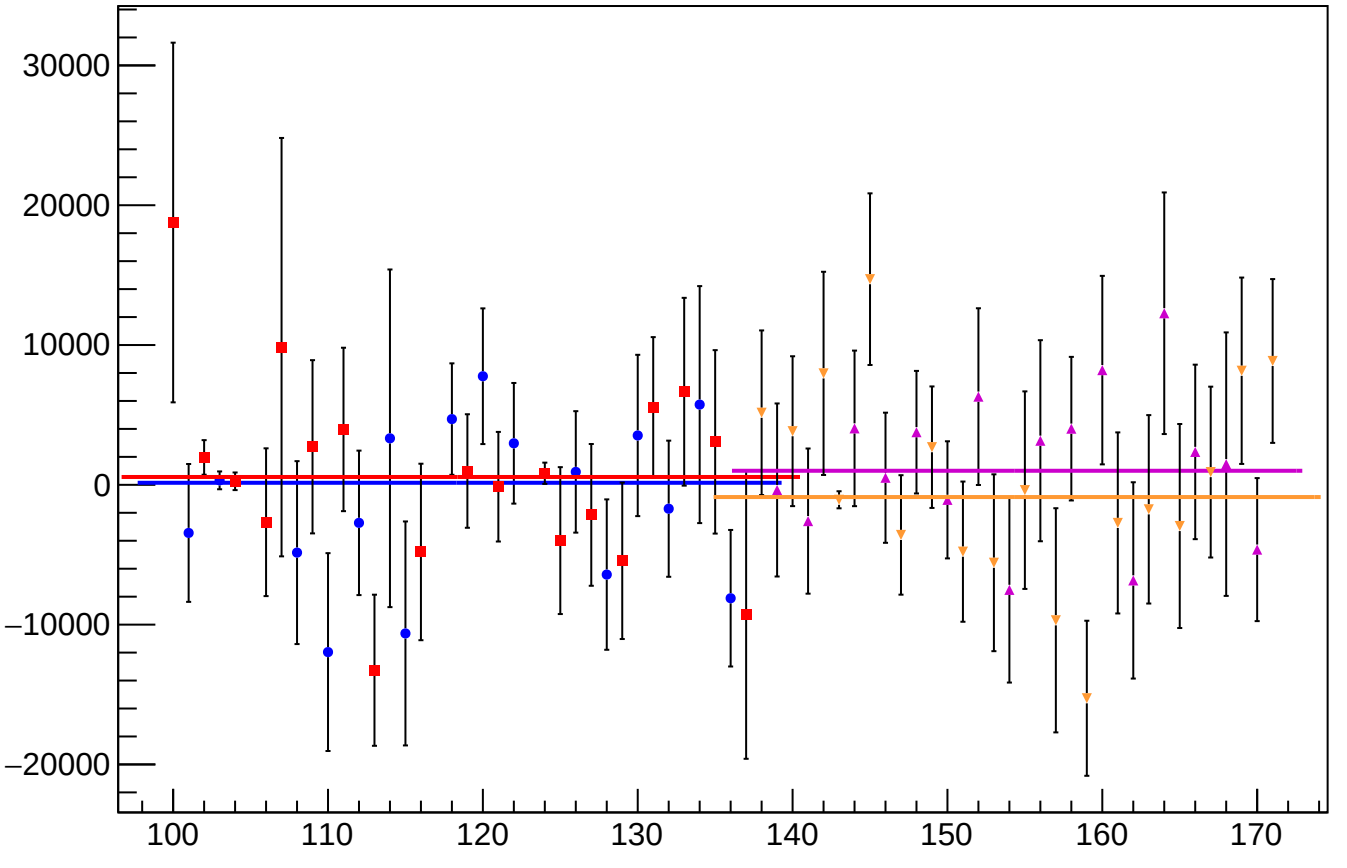
Left: 1784.695+/-0.242 χ^2/NDF: 352969.9/33

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1739.921+/-0.273 χ^2/NDF:195124.7/31

Out: 1765.860+/-0.270 χ^2/NDF:730642.1/36

All: 1753.001+/-0.192 χ^2/NDF: 930326.2/68



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: 1006.115+/-1433.586 χ^2/NDF:9.6/15

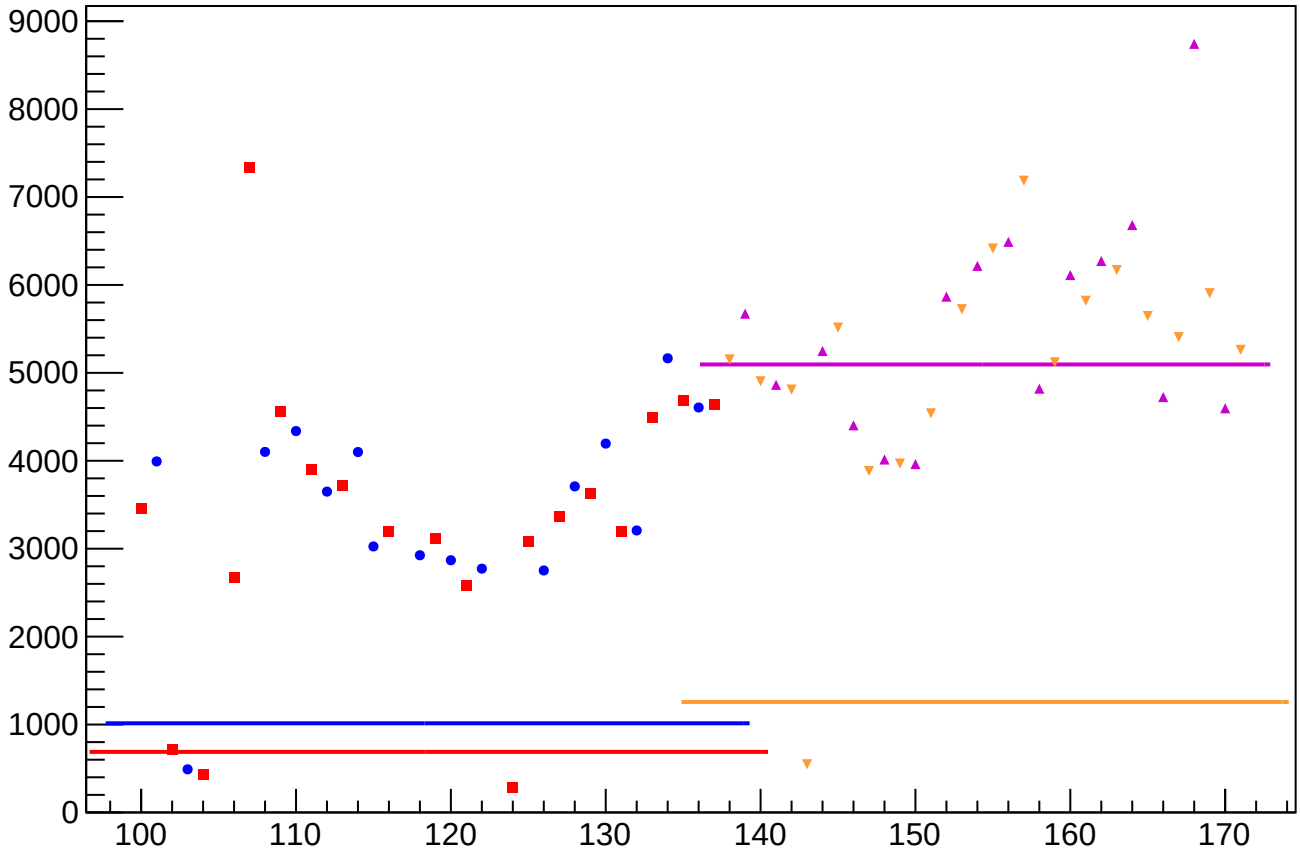
Left: -624.348+/-522.450 χ^2/NDF: 36.0/33

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 267.225+/-537.150 χ^2/NDF:25.7/31

Out: 29.271+/-341.598 χ^2/NDF:46.2/36

All: 97.793+/-288.248 χ^2/NDF: 72.1/68



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: 5095.655+/-1.014 χ^2/NDF:997438.3/15

Left: 1766.706+/-0.369 χ^2/NDF: 31500625.8/33

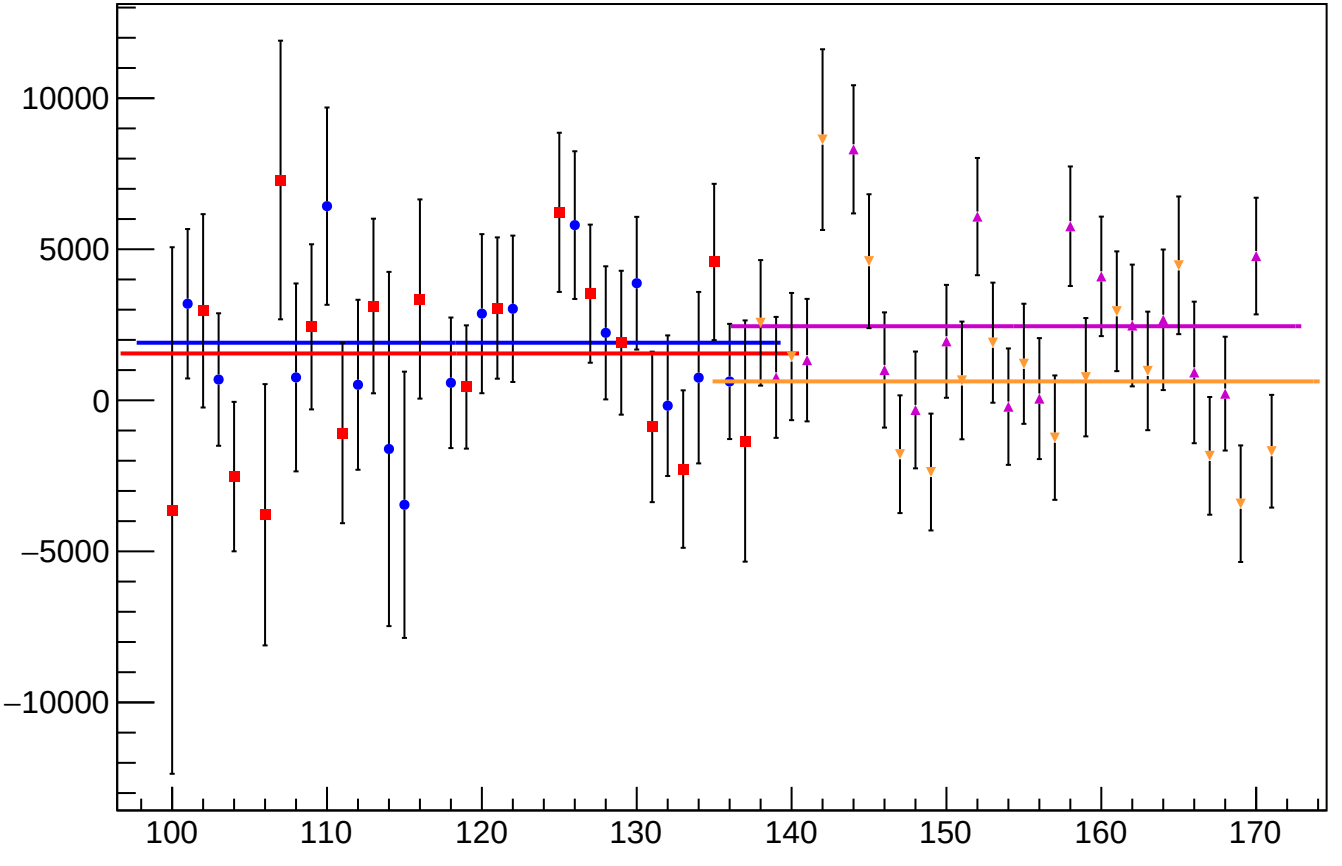
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1587.115+/-0.380 χ^2/NDF:23156365.6/31

Out: 899.556+/-0.242 χ^2/NDF:28266574.1/36

All: 1097.549+/-0.204 χ^2/NDF: 53756180.7/6

dit_asym_atl_avg_mean vs Slug, Sign Corrected



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: 2451.859+/-499.847 χ^2/NDF:25.0/15

Left: 1528.320+/-351.395 χ^2/NDF: 60.2/32

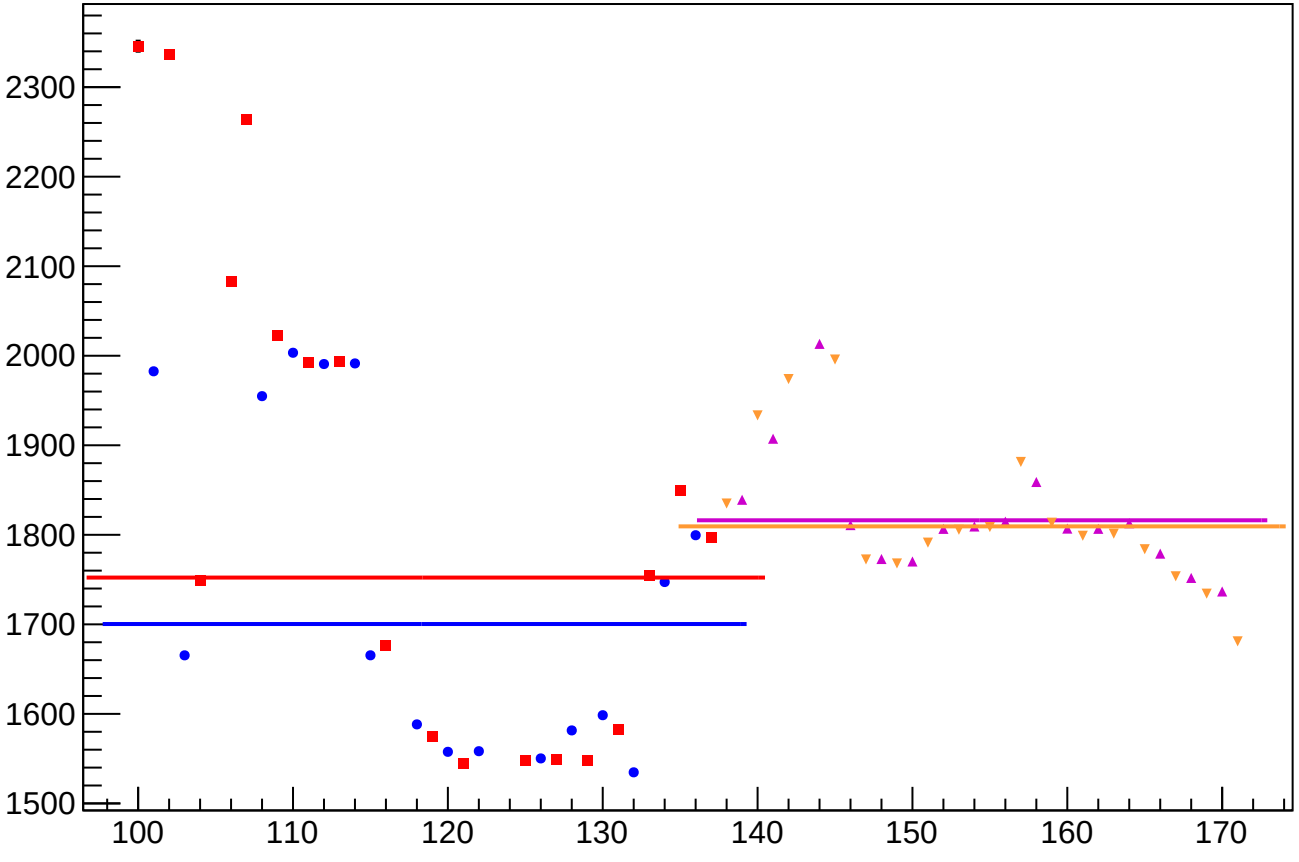
Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2243.688+/-393.101 χ^2/NDF:35.6/31

Out: 957.478+/-395.764 χ^2/NDF:47.2/34

All: 1604.924+/-278.901 χ^2/NDF: 88.1/66

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: 1816.224+/-0.353 χ^2/NDF:31113.4/15

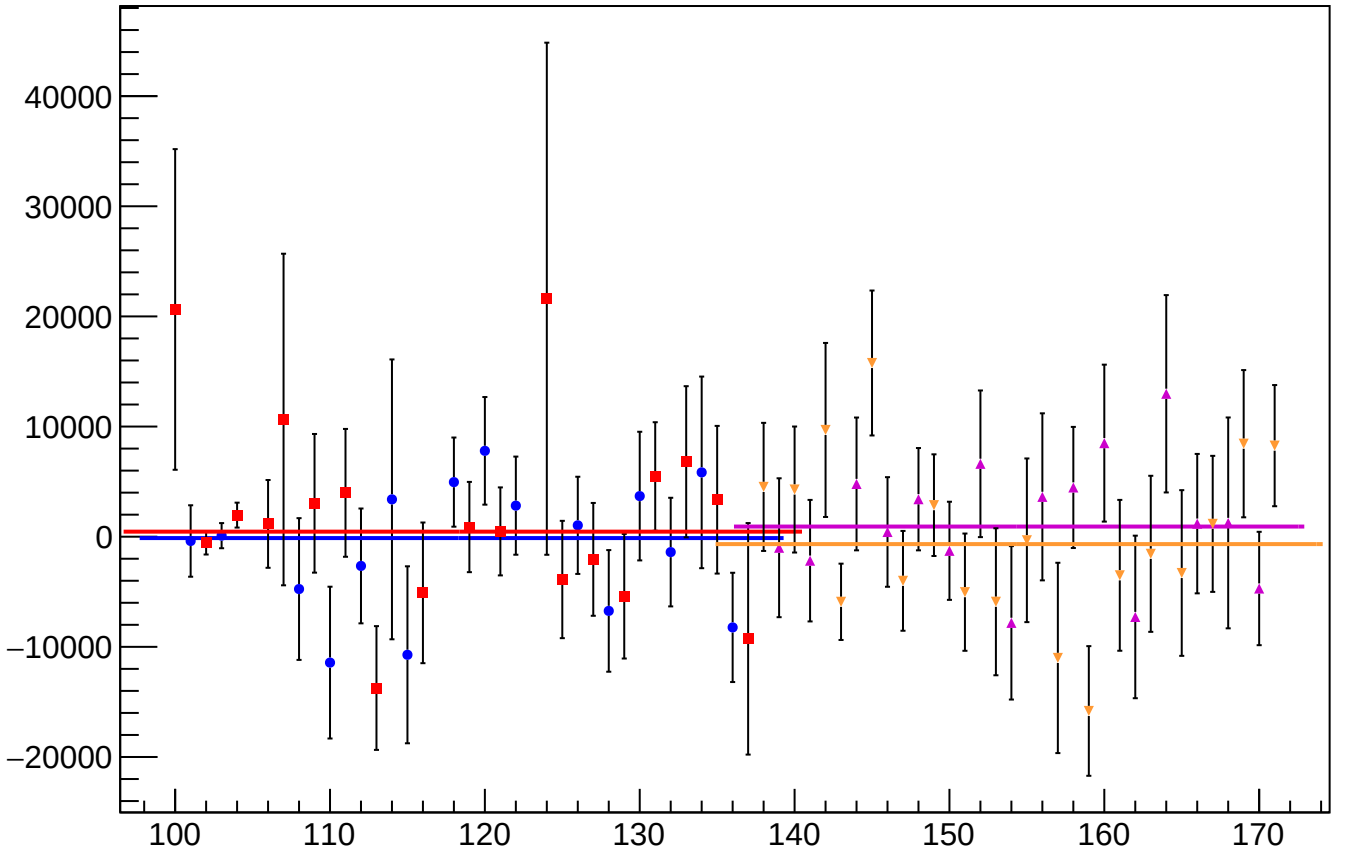
Left: 1812.786+/-0.248 χ^2/NDF: 77492.6/32

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1772.020+/-0.278 χ^2/NDF:207532.0/31

Out: 1788.869+/-0.280 χ^2/NDF:303776.2/34

All: 1780.394+/-0.197 χ^2/NDF: 513134.5/66



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -672.020+/-1364.646 χ^2/NDF:27.2/17

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 921.064+/-1506.710 χ^2/NDF:9.6/15

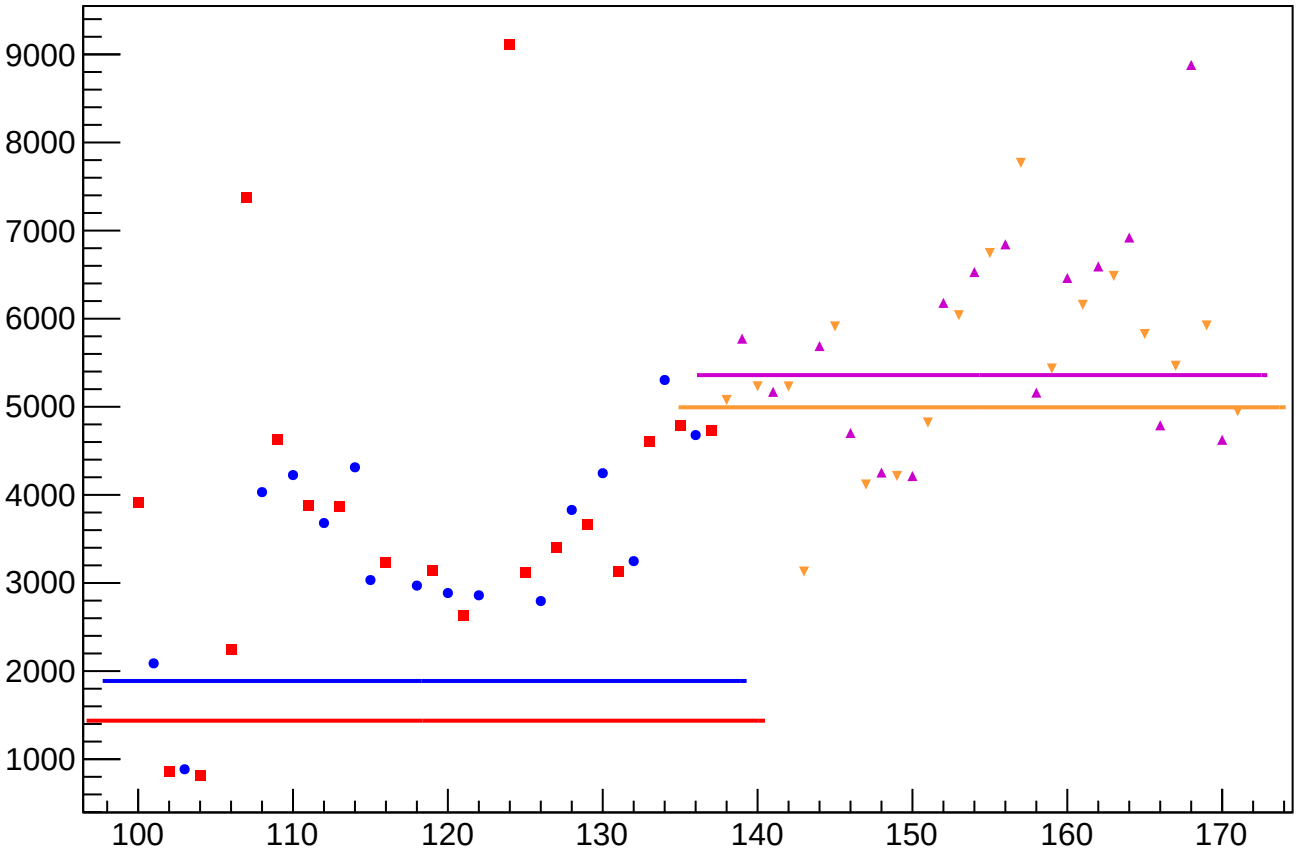
Left: 45.894+/-1011.455 χ^2/NDF: 37.4/33

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: 135.148+/-751.889 χ^2/NDF:25.0/31

Out: 234.820+/-608.020 χ^2/NDF:46.2/36

All: 195.412+/-472.781 χ^2/NDF: 71.3/68



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: 5359.534+/-1.065 χ^2/NDF:955515.6/15

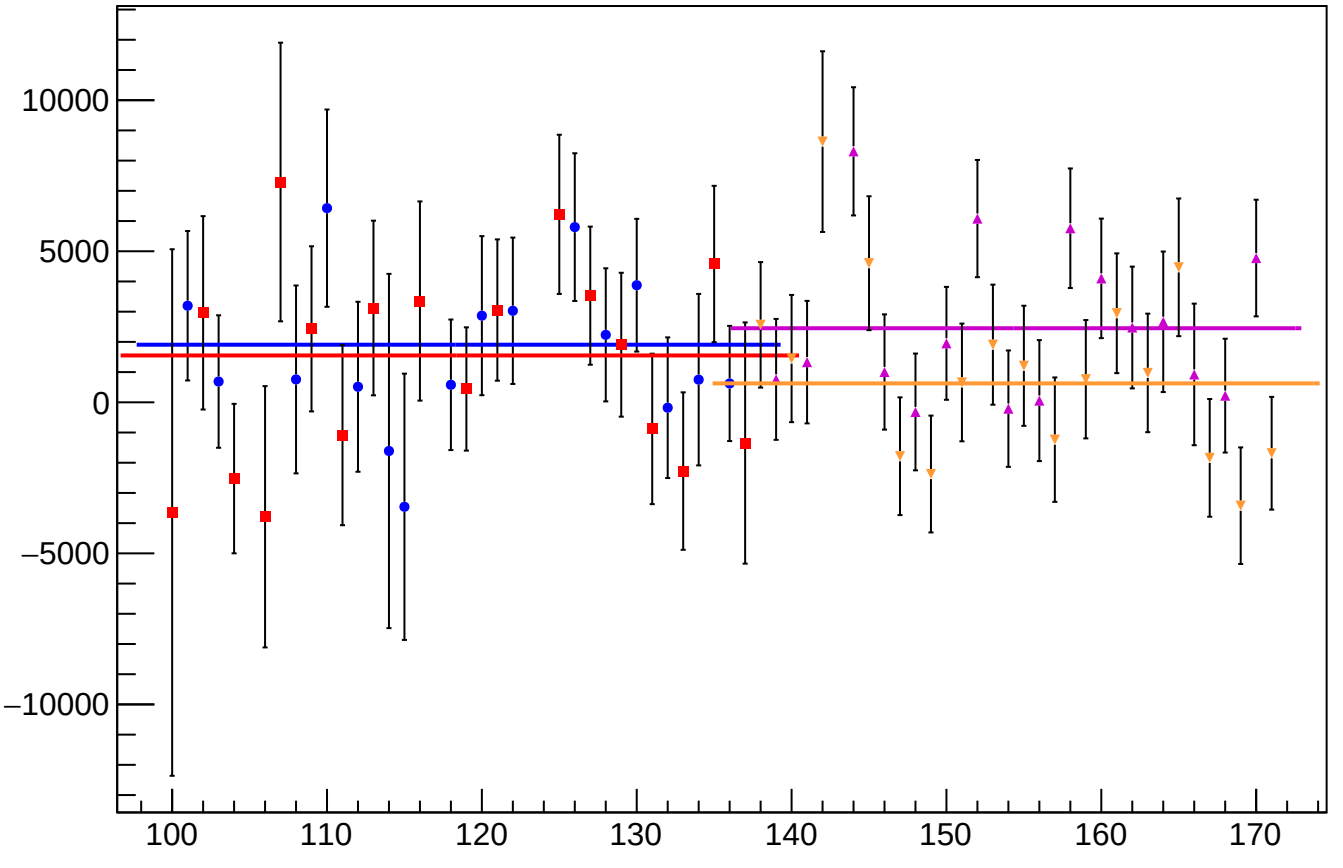
Left: 5158.790+/-0.715 χ^2/NDF: 2376962.4/33

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2752.509+/-0.532 χ^2/NDF:13354497.4/31

Out: 2143.231+/-0.430 χ^2/NDF:18211691.3/36

All: 2384.125+/-0.334 χ^2/NDF: 32360221.6/6



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: 2451.860+/-499.848 χ^2/NDF:25.0/15

Left: 1528.319+/-351.395 χ^2/NDF: 60.2/32

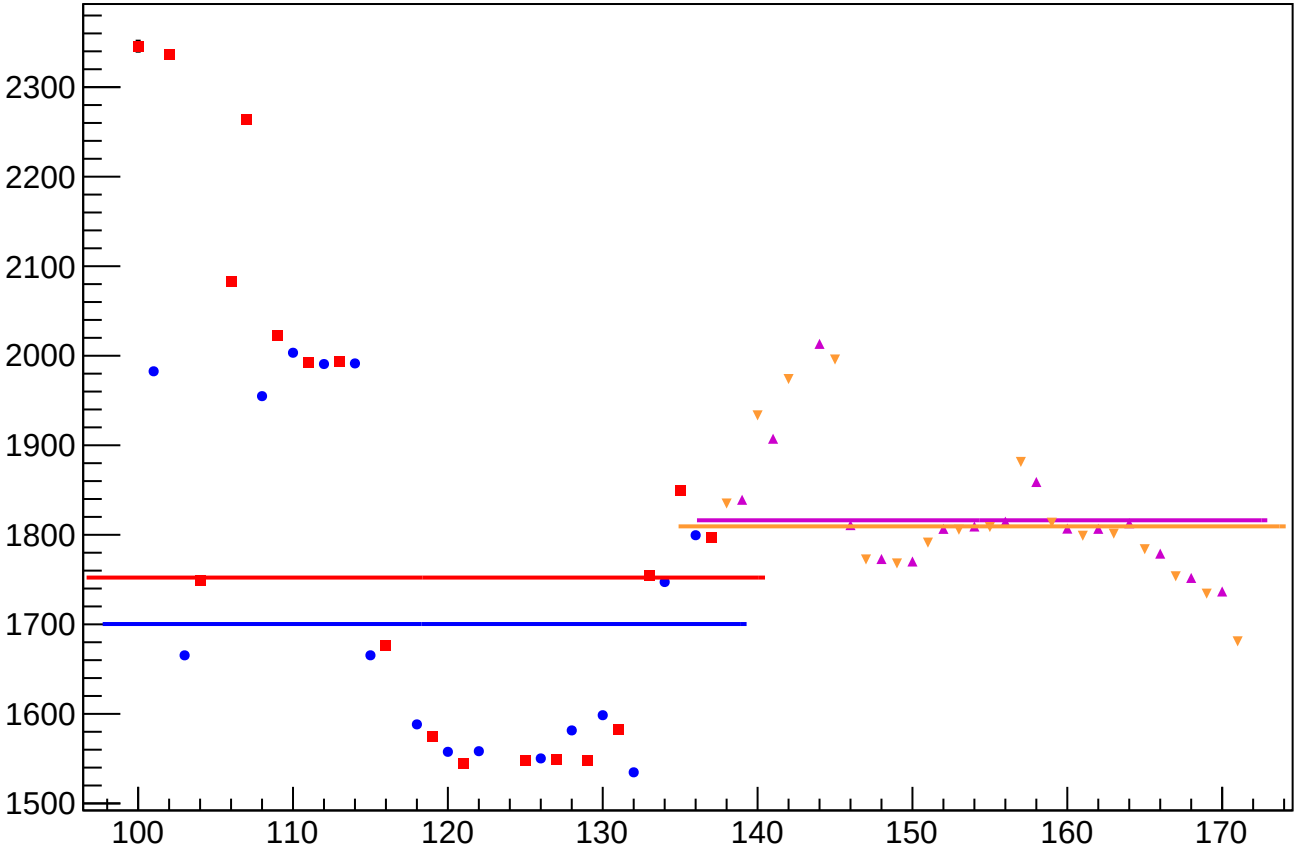
Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2243.688+/-393.102 χ^2/NDF:35.6/31

Out: 957.475+/-395.764 χ^2/NDF:47.2/34

All: 1604.923+/-278.901 χ^2/NDF: 88.1/66

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: 1816.225+/-0.353 χ^2/NDF:31113.8/15

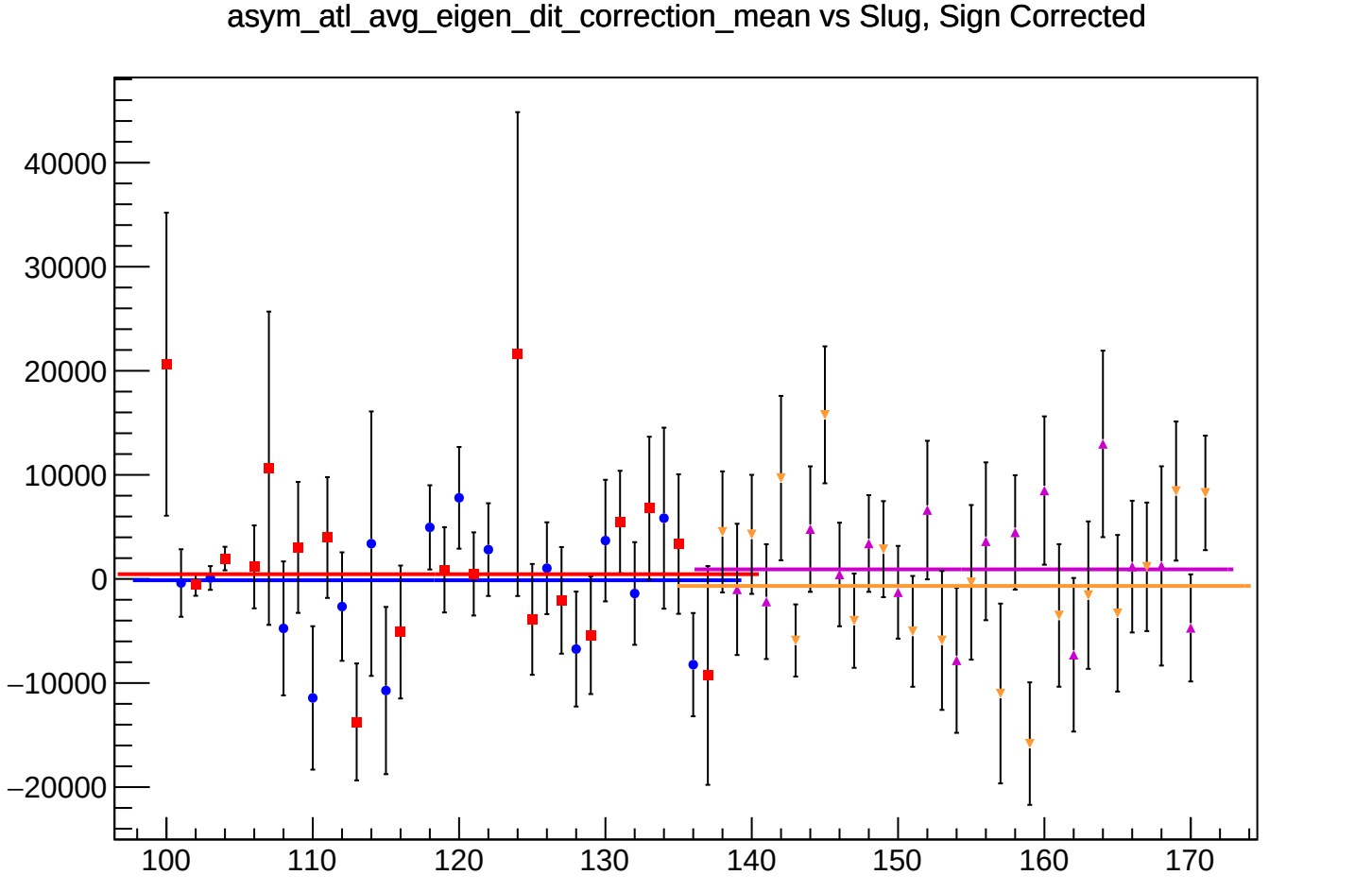
Left: 1812.787+/-0.248 χ^2/NDF: 77494.7/32

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

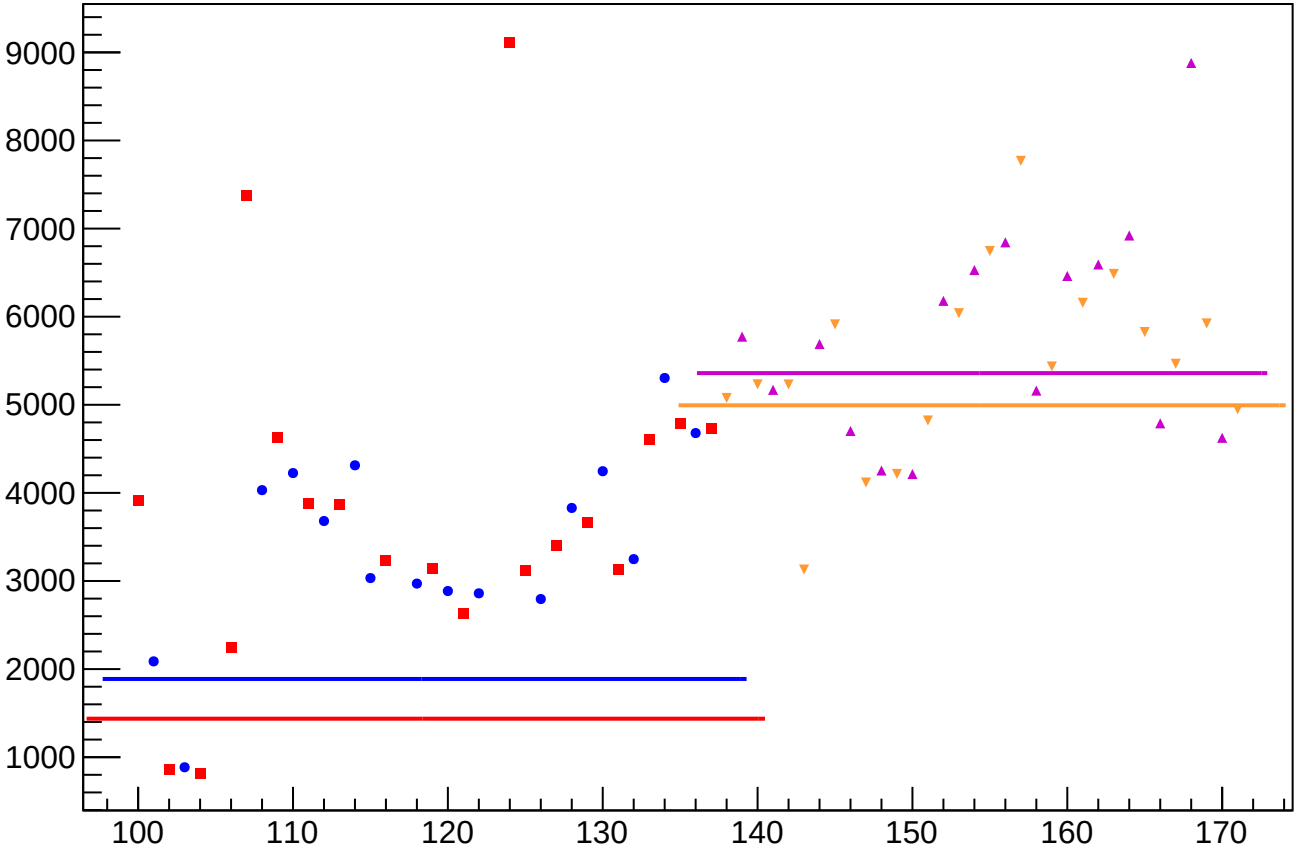
In: 1772.020+/-0.278 χ^2/NDF:207533.7/31

Out: 1788.869+/-0.280 χ^2/NDF:303777.8/34

All: 1780.395+/-0.197 χ^2/NDF: 513137.7/66


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -125.464+/-867.639 χ²/NDF: 15.1/15
Left Out: -672.026+/-1364.647 χ²/NDF:27.2/17
Right Out: 459.430+/-679.152 χ²/NDF: 18.5/18
Left In: 921.063+/-1506.712 χ²/NDF:9.6/15
Left: 45.891+/-1011.456 χ²/NDF: 37.4/33
Right: 237.214+/-534.797 χ²/NDF: 33.9/34
In: 135.148+/-751.886 χ²/NDF:25.0/31
Out: 234.821+/-608.016 χ²/NDF:46.2/36
All: 195.413+/-472.778 χ²/NDF: 71.3/68

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: 5359.540+/-1.065 χ^2/NDF:955519.5/15

Left: 5158.796+/-0.715 χ^2/NDF: 2376973.8/33

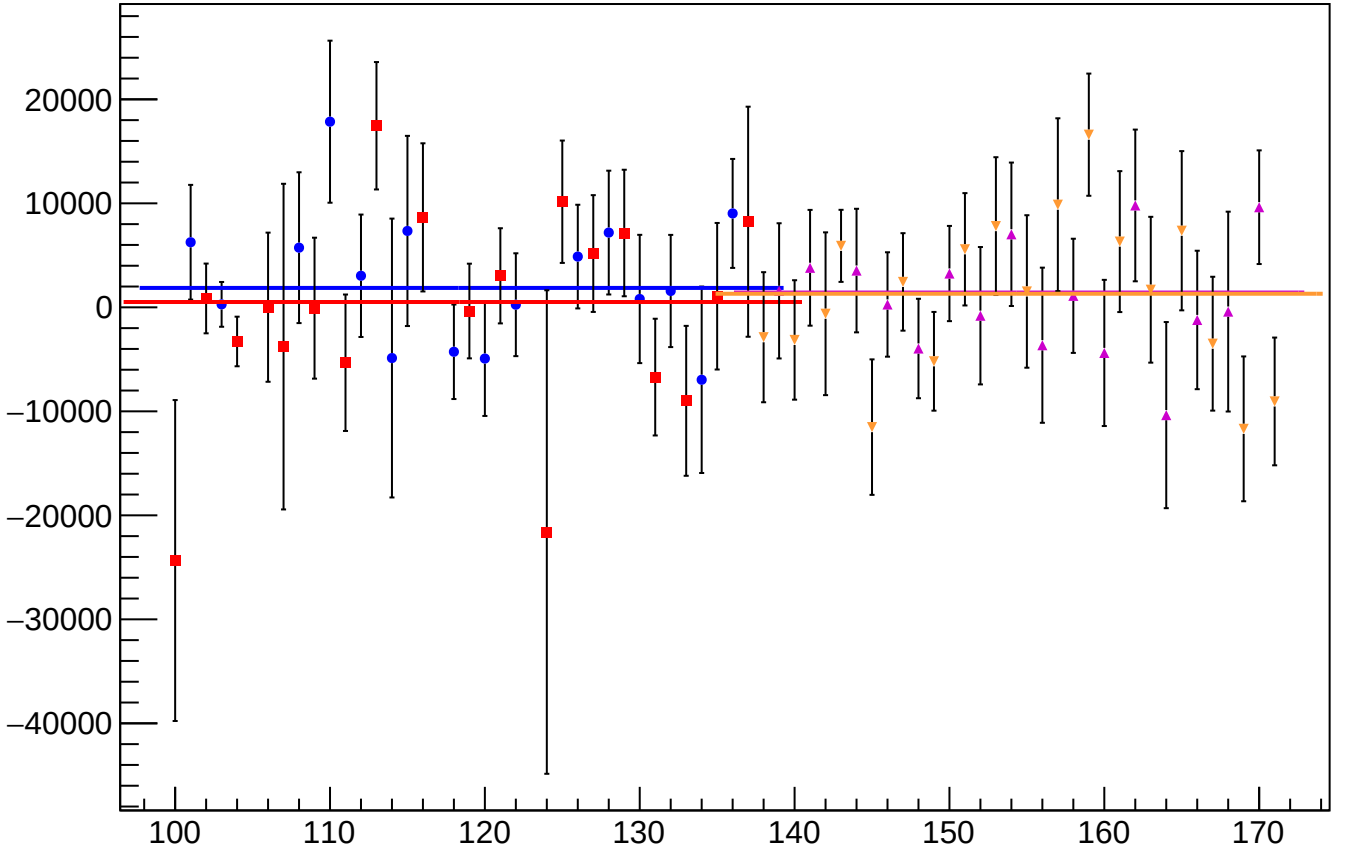
Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2752.488+/-0.532 χ^2/NDF:13354654.2/31

Out: 2143.211+/-0.430 χ^2/NDF:18211861.5/36

All: 2384.105+/-0.334 χ^2/NDF: 32360553.1/6

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: 1422.664+/-1526.899 χ^2/NDF:9.2/15

Left: 1359.292+/-1027.301 χ^2/NDF: 35.4/33

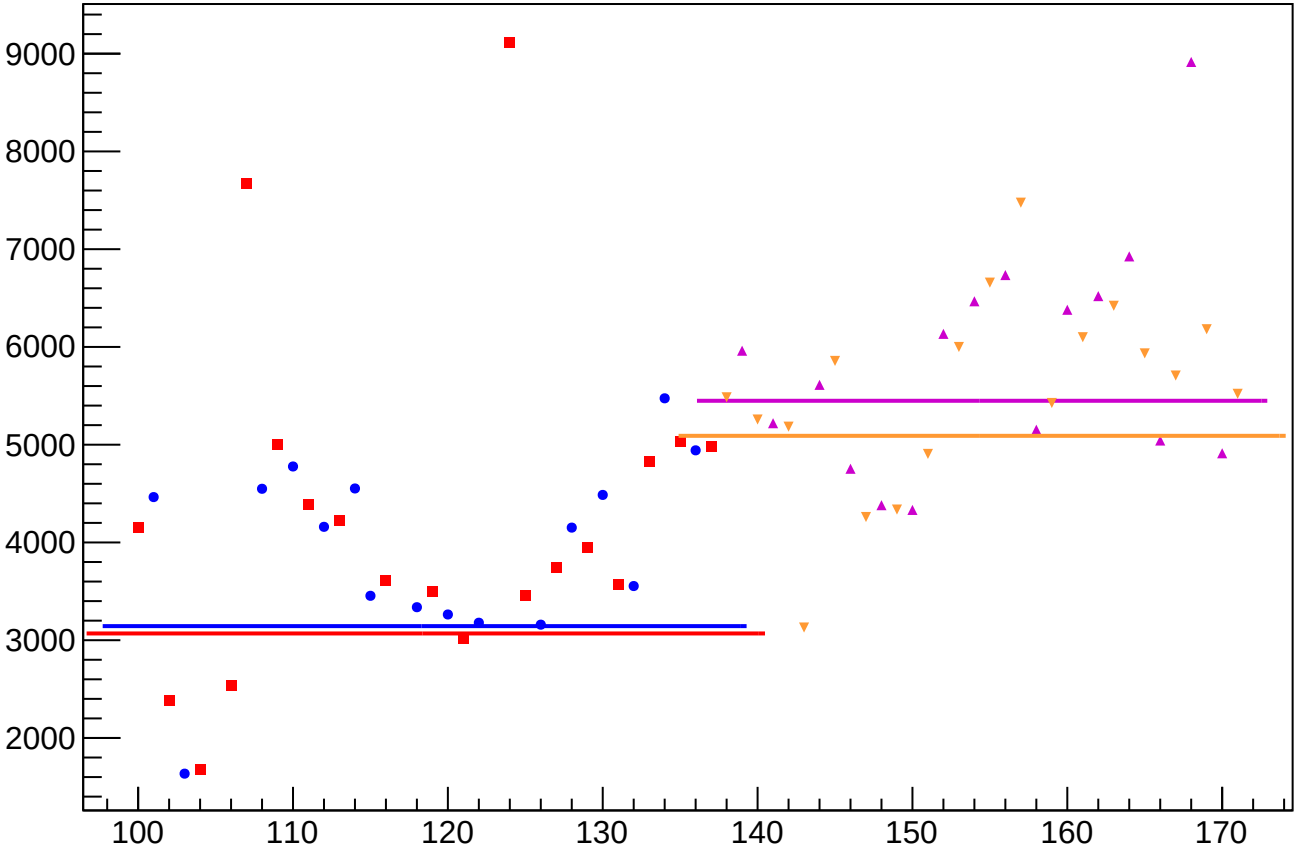
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1686.910+/-971.461 χ^2/NDF:23.1/31

Out: 865.426+/-925.524 χ^2/NDF:51.0/36

All: 1256.287+/-670.096 χ^2/NDF: 74.5/68

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: 5449.230+/-1.080 χ^2/NDF:824386.9/15

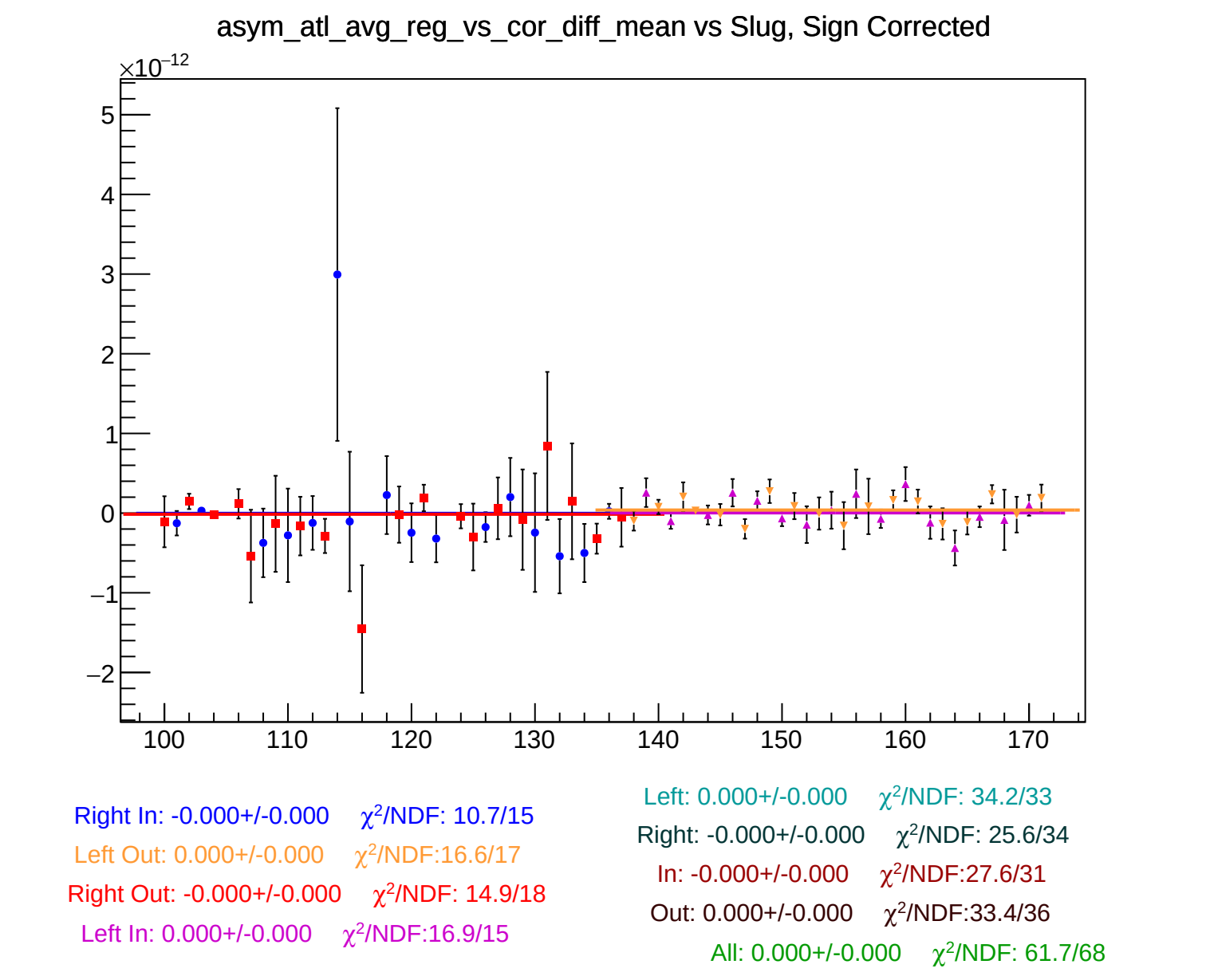
Left: 5253.055+/-0.726 χ^2/NDF: 2196952.1/33

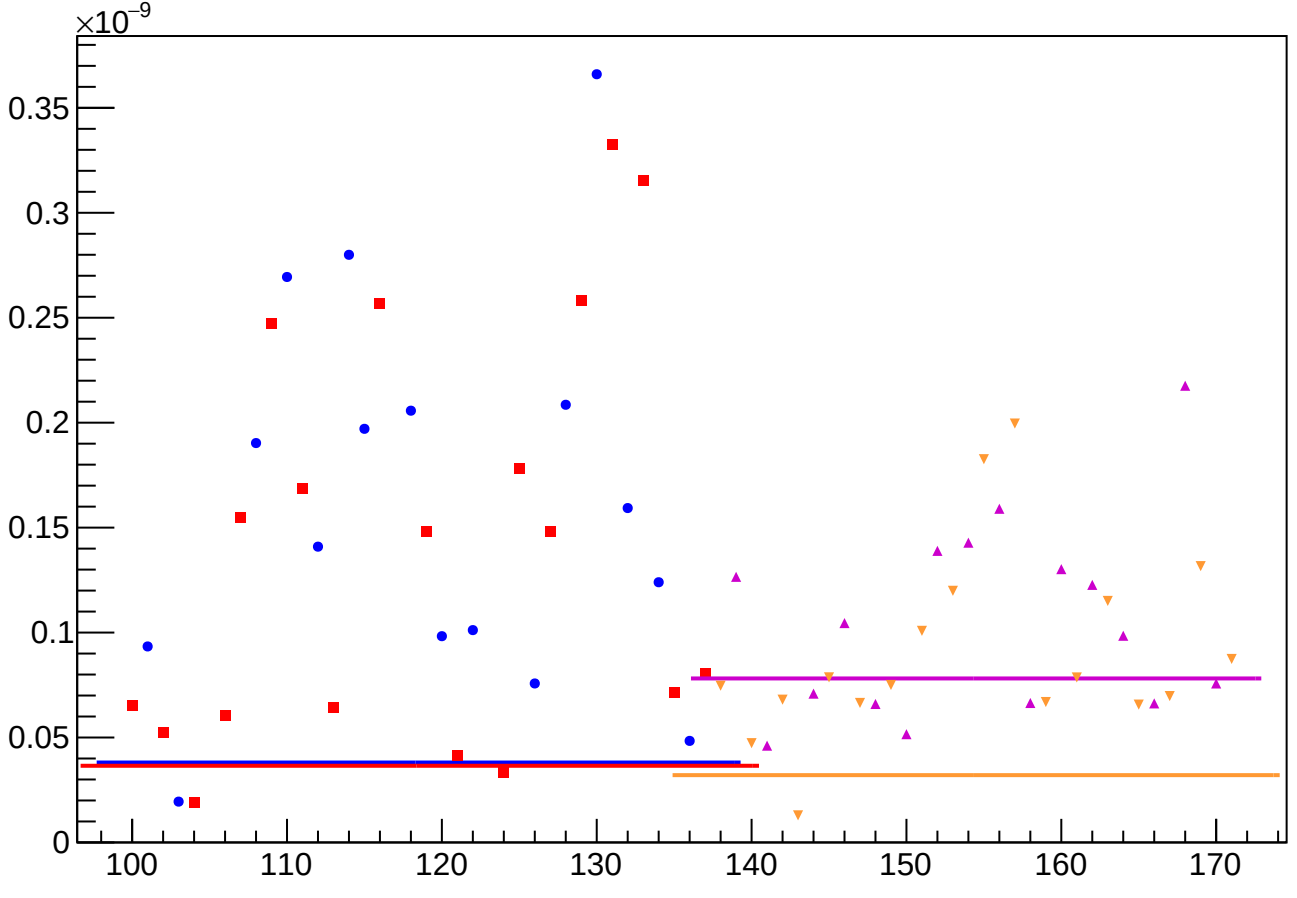
Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4077.214+/-0.687 χ^2/NDF:5420574.2/31

Out: 3951.614+/-0.649 χ^2/NDF:5582856.9/36

All: 4010.824+/-0.472 χ^2/NDF: 11021102.7/6


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:16.9/15
Left: 0.000+/-0.000 χ²/NDF: 34.2/33
Right: -0.000+/-0.000 χ²/NDF: 25.6/34
In: -0.000+/-0.000 χ²/NDF:27.6/31
Out: 0.000+/-0.000 χ²/NDF:33.4/36
All: 0.000+/-0.000 χ²/NDF: 61.7/68



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:1560148.9/15

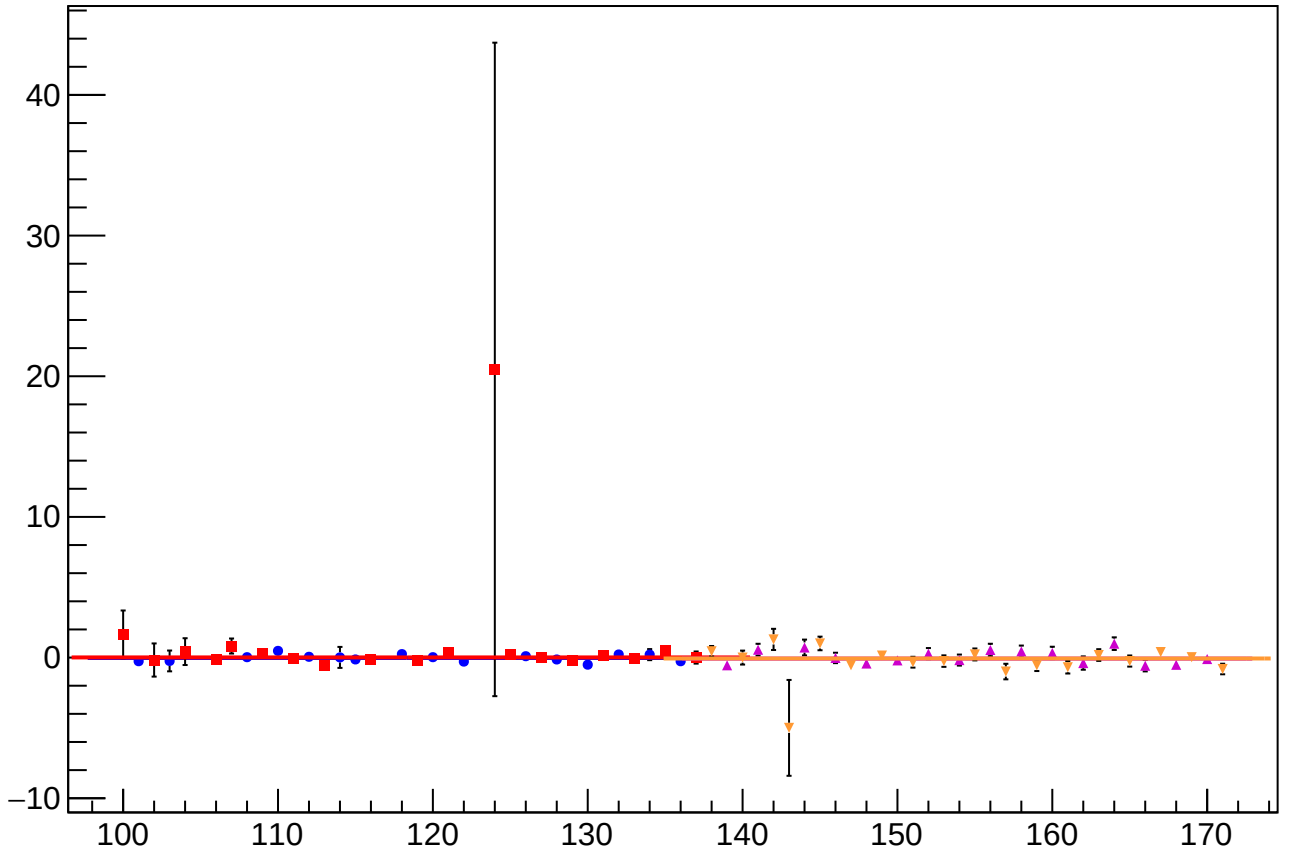
Left: 0.000+/-0.000 χ^2/NDF: 9615119.8/33

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5719862.2/31

Out: 0.000+/-0.000 χ^2/NDF:8343689.6/36

All: 0.000+/-0.000 χ^2/NDF: 15244624.8/68



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: -0.074+/-0.088 χ^2/NDF:23.8/15

Left: -0.069+/-0.063 χ^2/NDF: 53.0/33

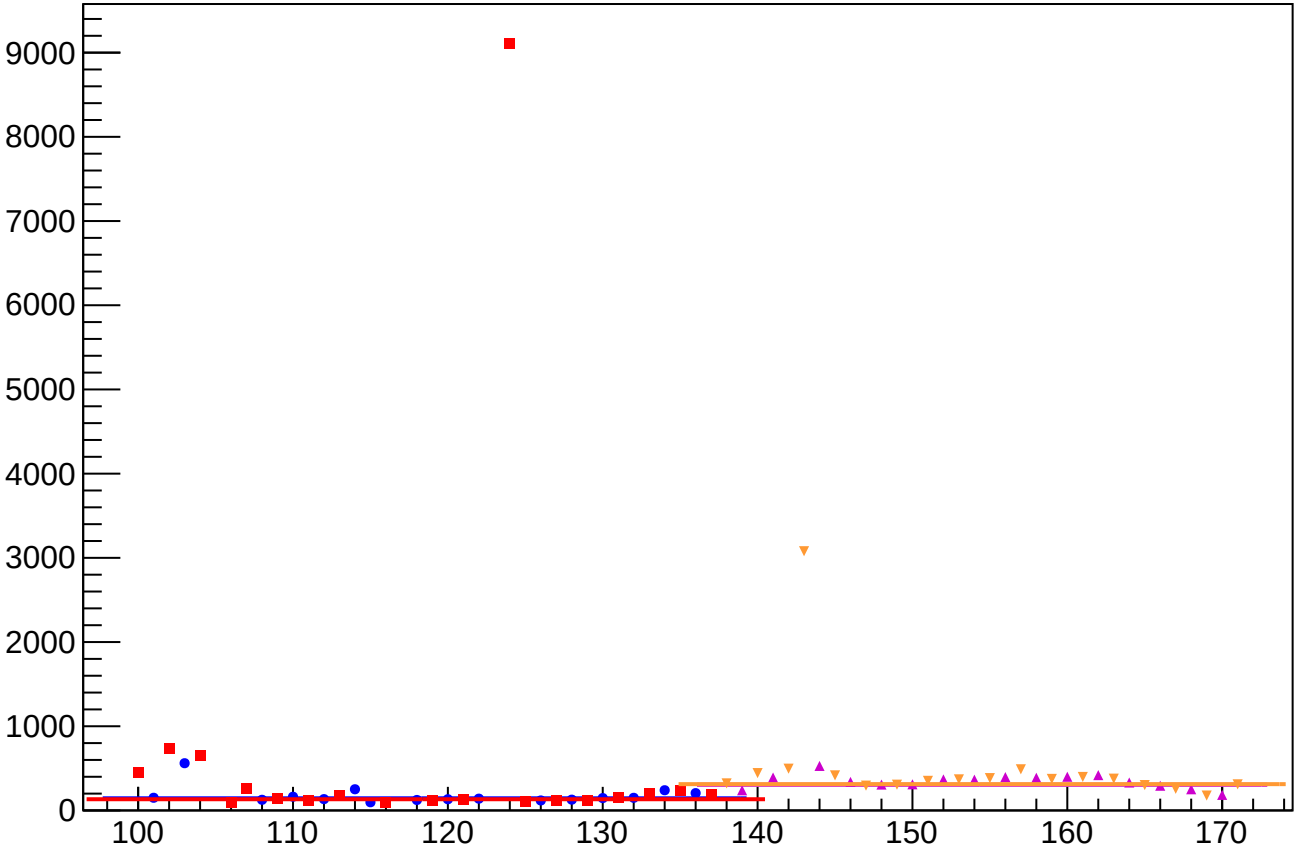
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.026+/-0.034 χ^2/NDF: 93.0/68

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: 305.182+/-0.063 χ^2/NDF:1750851.6/15

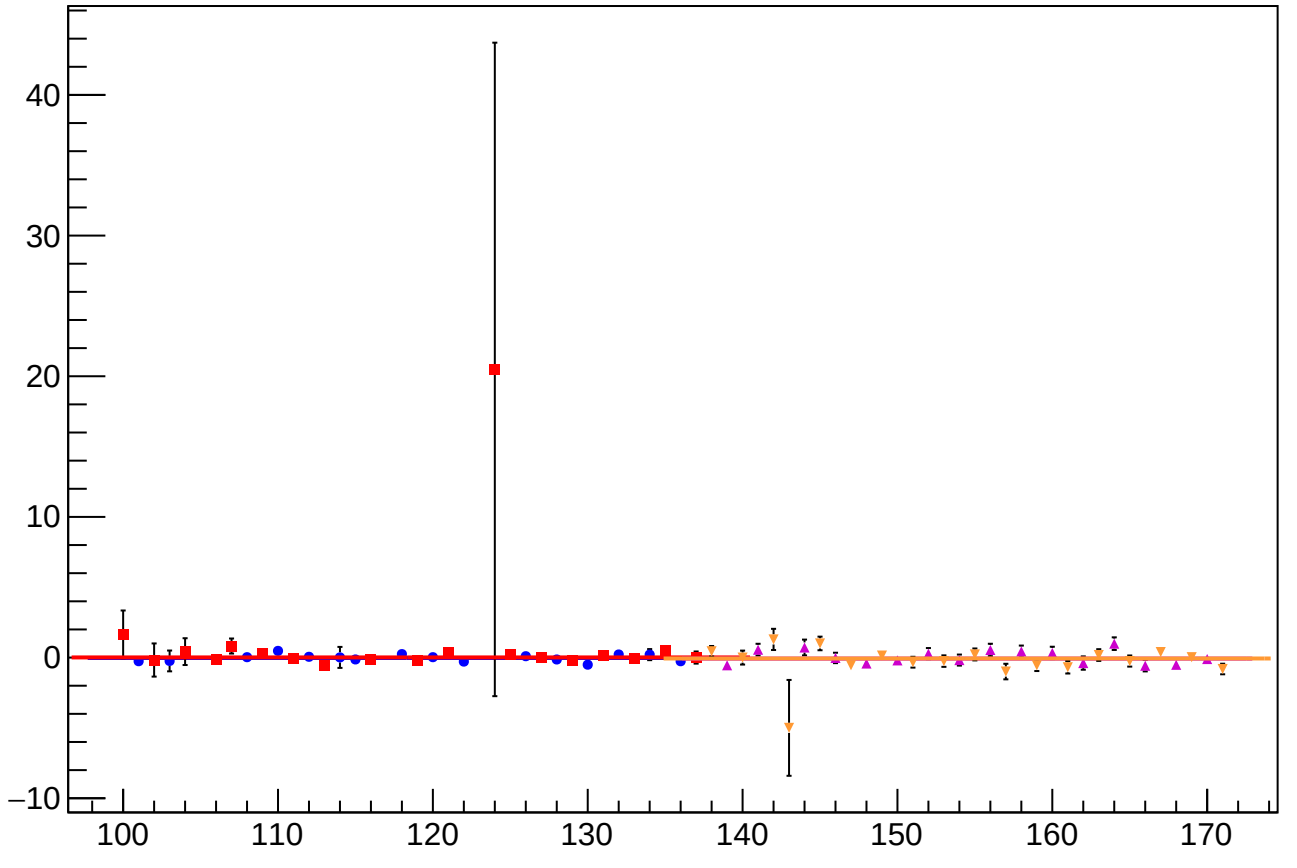
Left: 308.763+/-0.045 χ^2/NDF: 4921345.3/33

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 192.486+/-0.034 χ^2/NDF:7517340.7/31

Out: 184.238+/-0.034 χ^2/NDF:11105820.9/36

All: 188.311+/-0.024 χ^2/NDF: 18652567.3/68



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: -0.074+/-0.088 χ^2/NDF:23.8/15

Left: -0.069+/-0.063 χ^2/NDF: 53.0/33

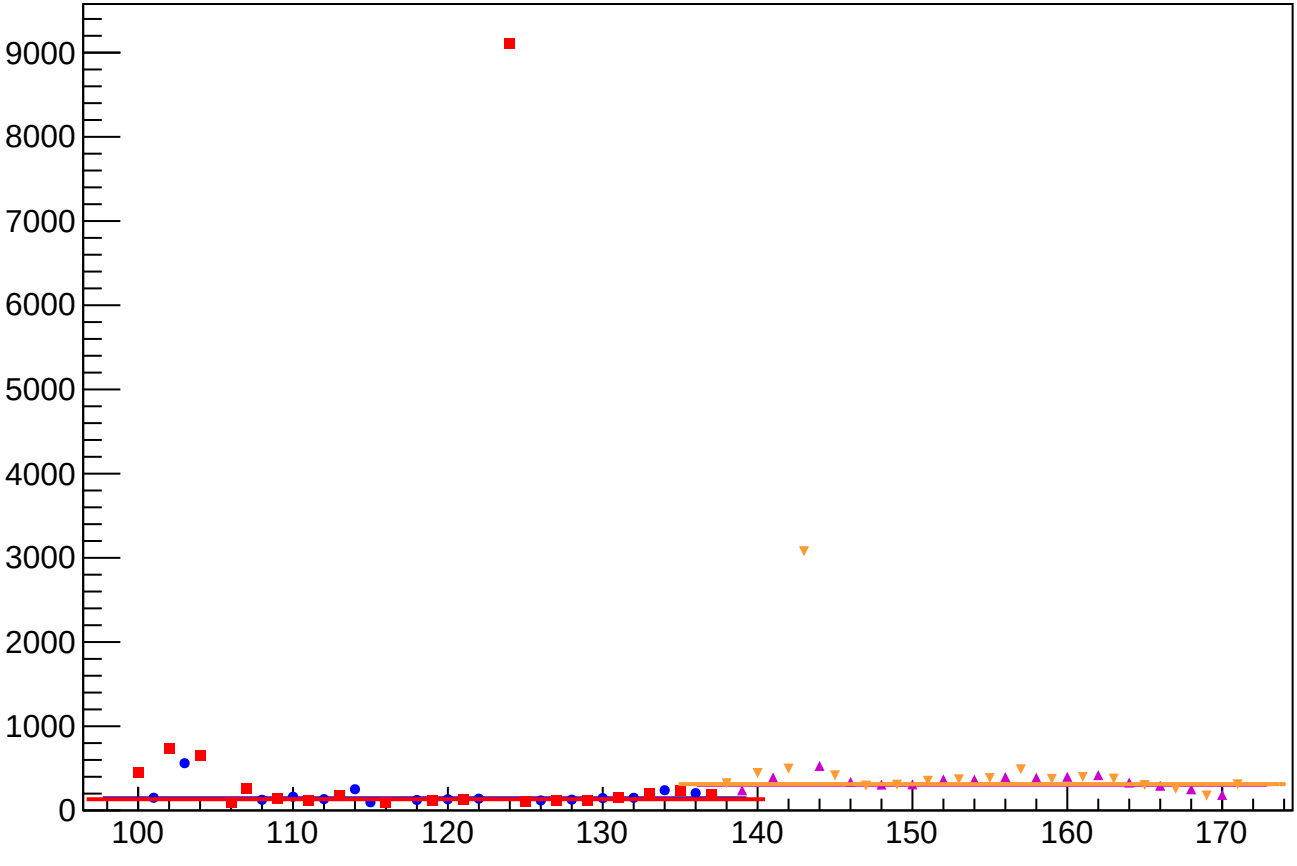
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.026+/-0.034 χ^2/NDF: 93.0/68

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 312.440+/-0.063 χ^2/NDF:3163846.2/17

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 305.182+/-0.063 χ^2/NDF:1750851.6/15

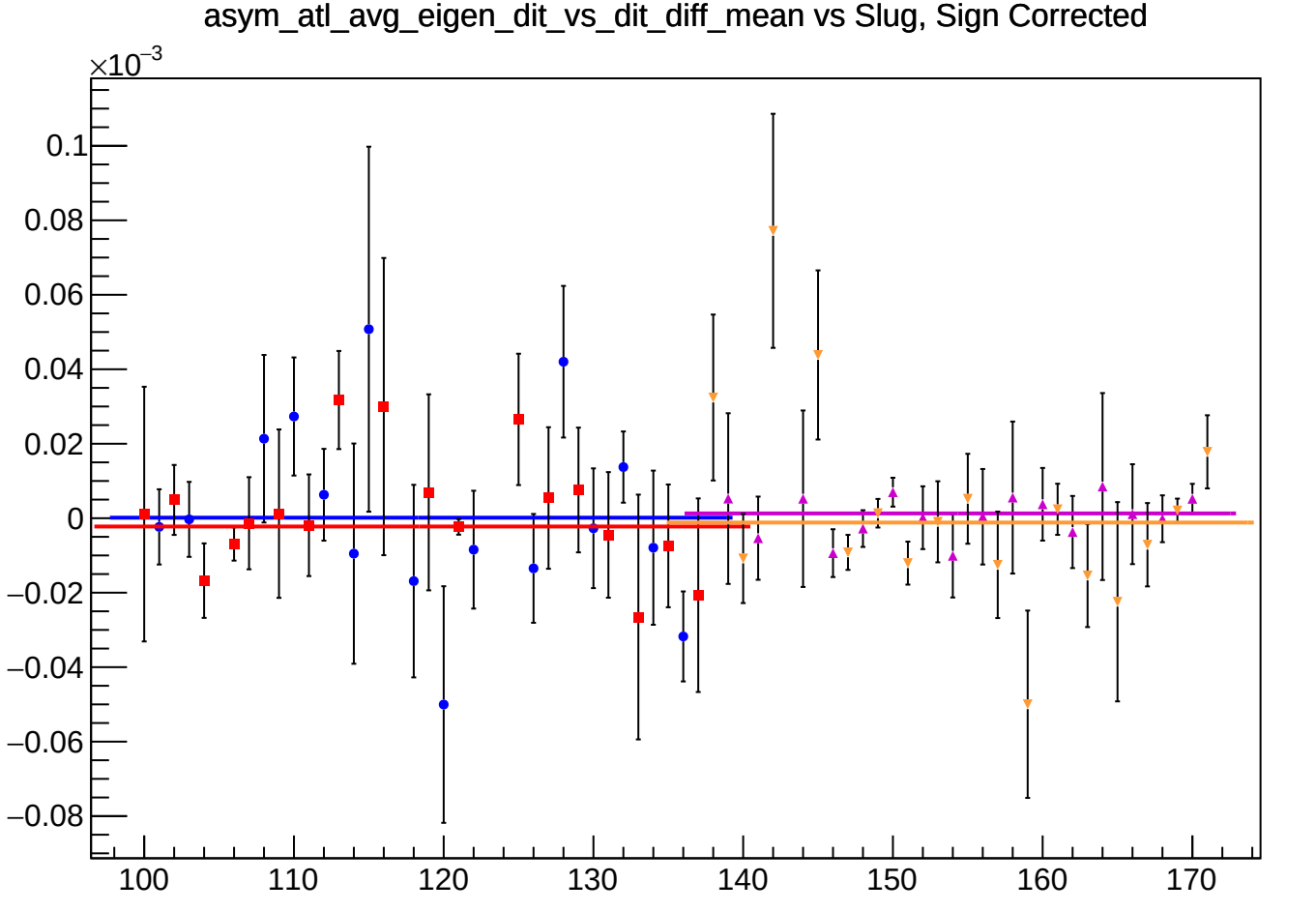
Left: 308.763+/-0.045 χ^2/NDF: 4921345.3/33

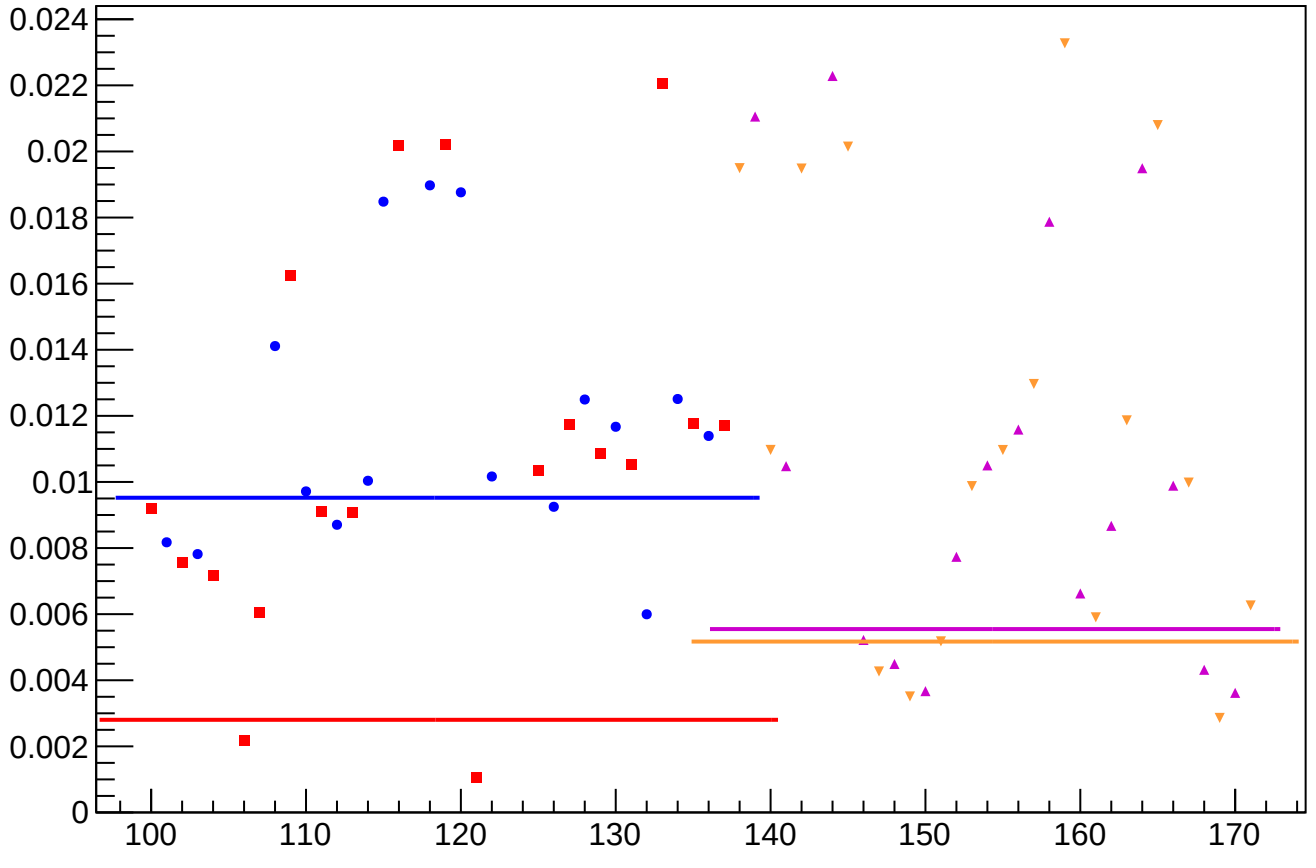
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 192.486+/-0.034 χ^2/NDF:7517340.7/31

Out: 184.238+/-0.034 χ^2/NDF:11105820.9/36

All: 188.311+/-0.024 χ^2/NDF: 18652567.3/68


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:31.6/16
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:8.5/15
Left: -0.000+/-0.000 χ²/NDF: 41.1/32
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:31.4/31
Out: -0.000+/-0.000 χ²/NDF:47.4/34
All: -0.000+/-0.000 χ²/NDF: 80.6/66



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:6160746.4/15

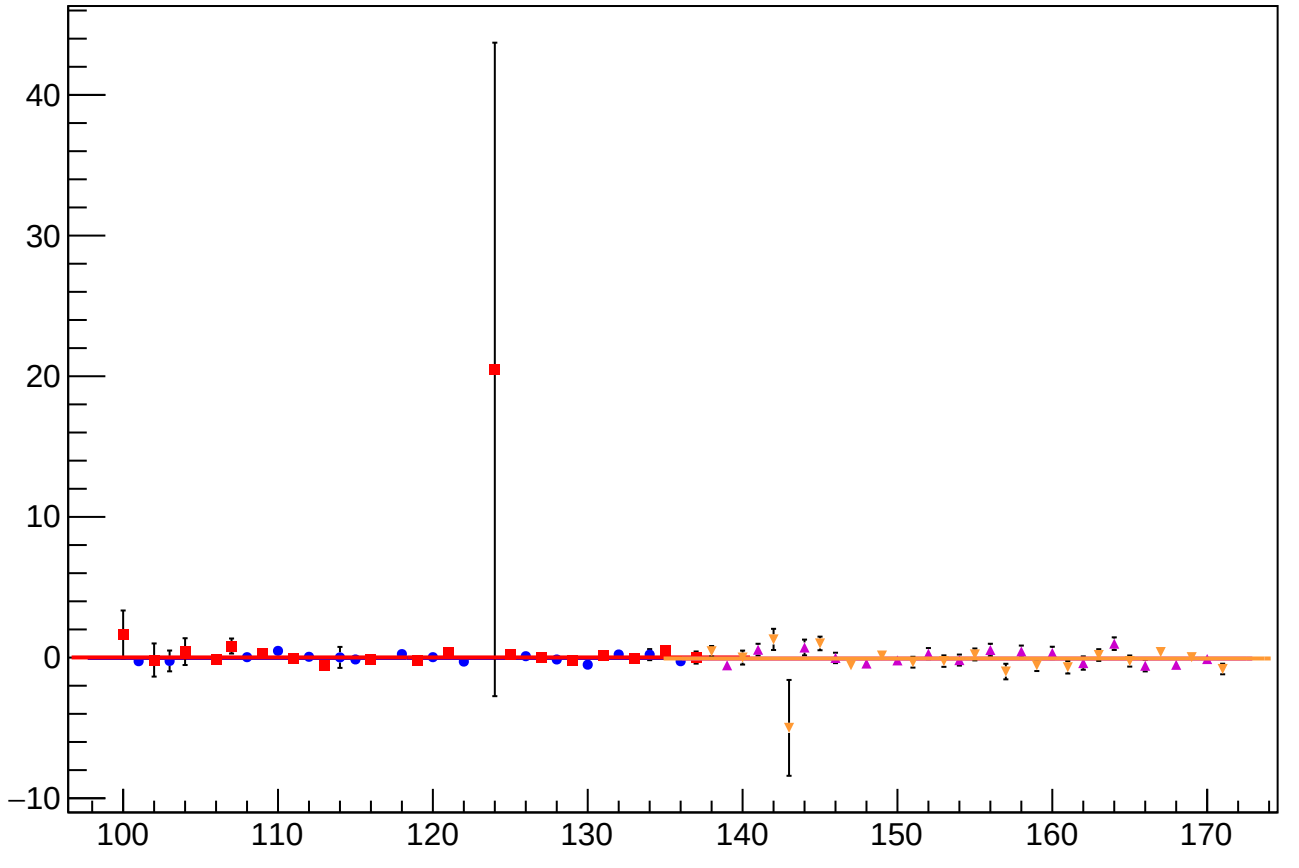
Left: 0.005+/-0.000 χ^2/NDF: 14311061.6/32

Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.006+/-0.000 χ^2/NDF:9100578.3/31

Out: 0.004+/-0.000 χ^2/NDF:18522522.9/34

All: 0.005+/-0.000 χ^2/NDF: 30259229.9/66



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: -0.074+/-0.088 χ^2/NDF:23.8/15

Left: -0.069+/-0.063 χ^2/NDF: 53.1/33

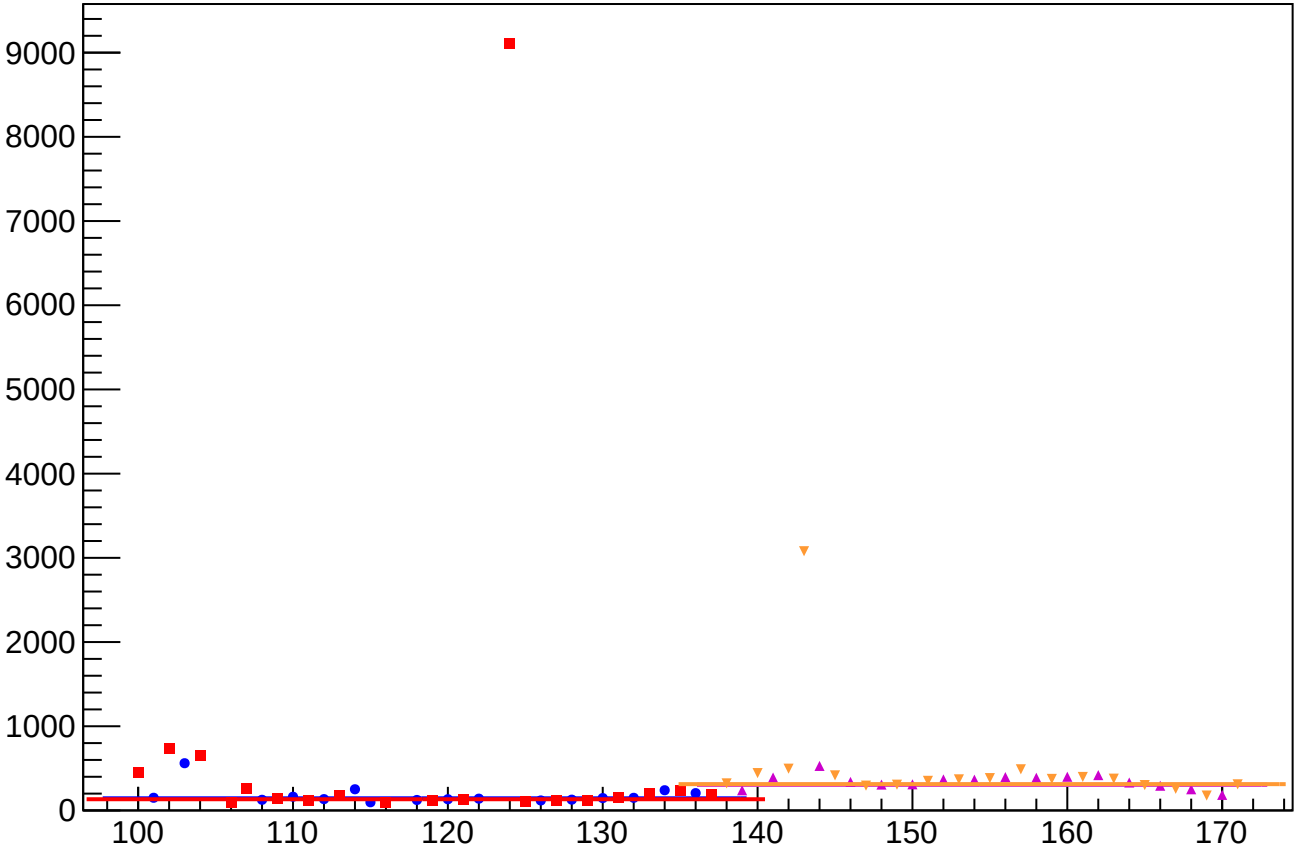
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.026+/-0.034 χ^2/NDF: 93.0/68

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 312.443+/-0.063 χ^2/NDF:3163926.3/17

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 305.186+/-0.063 χ^2/NDF:1750887.9/15

Left: 308.766+/-0.045 χ^2/NDF: 4921459.7/33

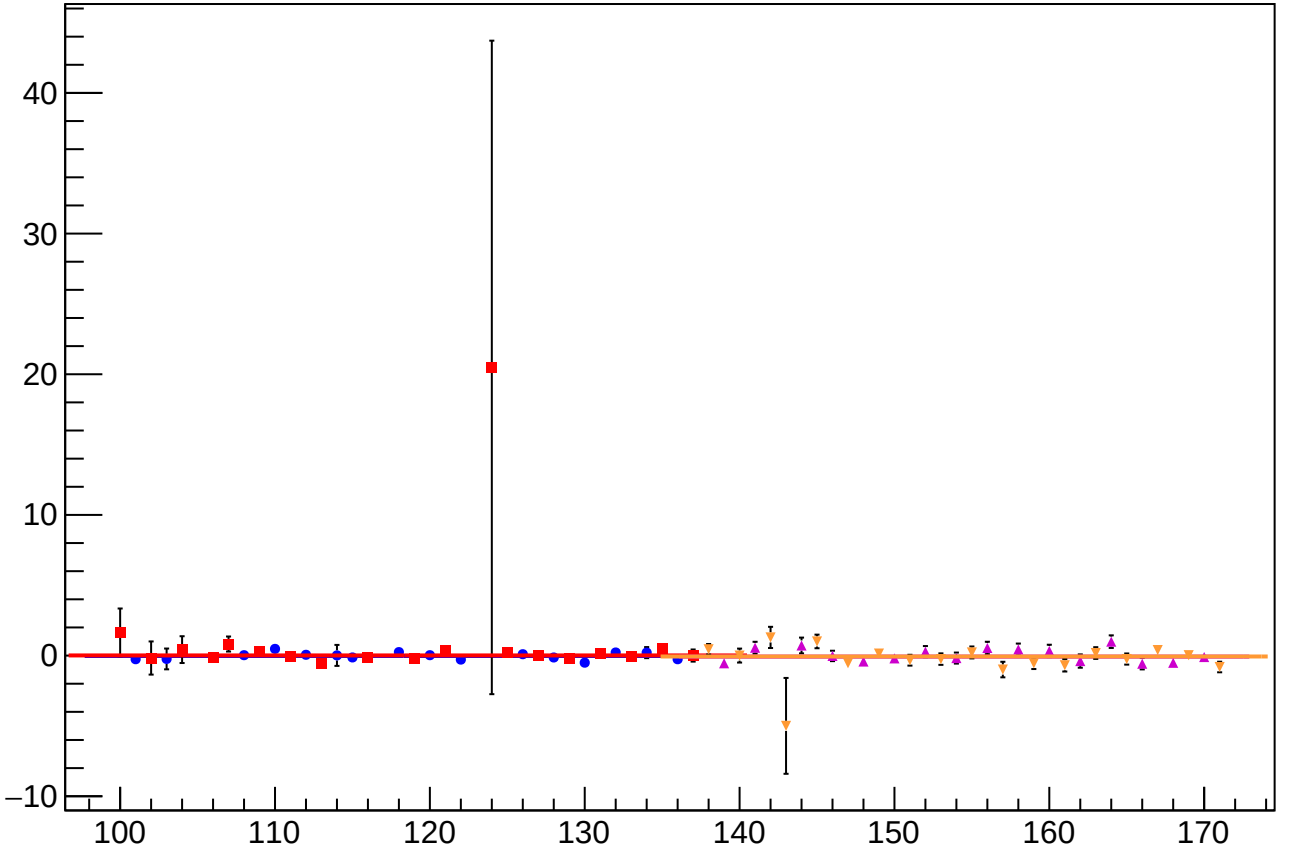
Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 192.485+/-0.034 χ^2/NDF:7517640.0/31

Out: 184.237+/-0.034 χ^2/NDF:11106018.5/36

All: 188.310+/-0.024 χ^2/NDF: 18653060.3/68

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: -0.074+/-0.088 χ^2/NDF:23.8/15

Left: -0.069+/-0.063 χ^2/NDF: 53.1/33

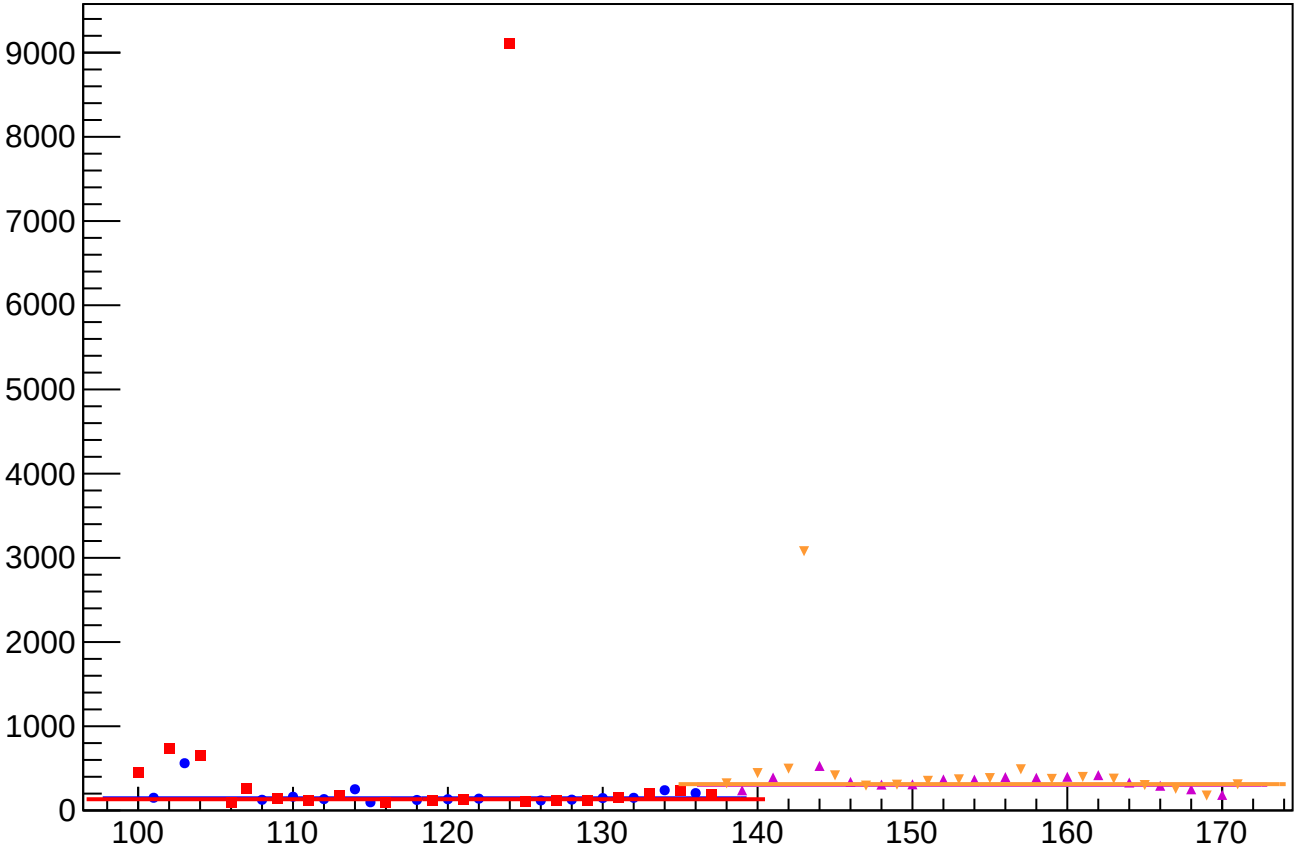
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.042+/-0.048 χ^2/NDF:41.2/31

Out: -0.011+/-0.048 χ^2/NDF:51.5/36

All: -0.026+/-0.034 χ^2/NDF: 93.0/68

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: 305.186+/-0.063 χ^2/NDF:1750887.9/15

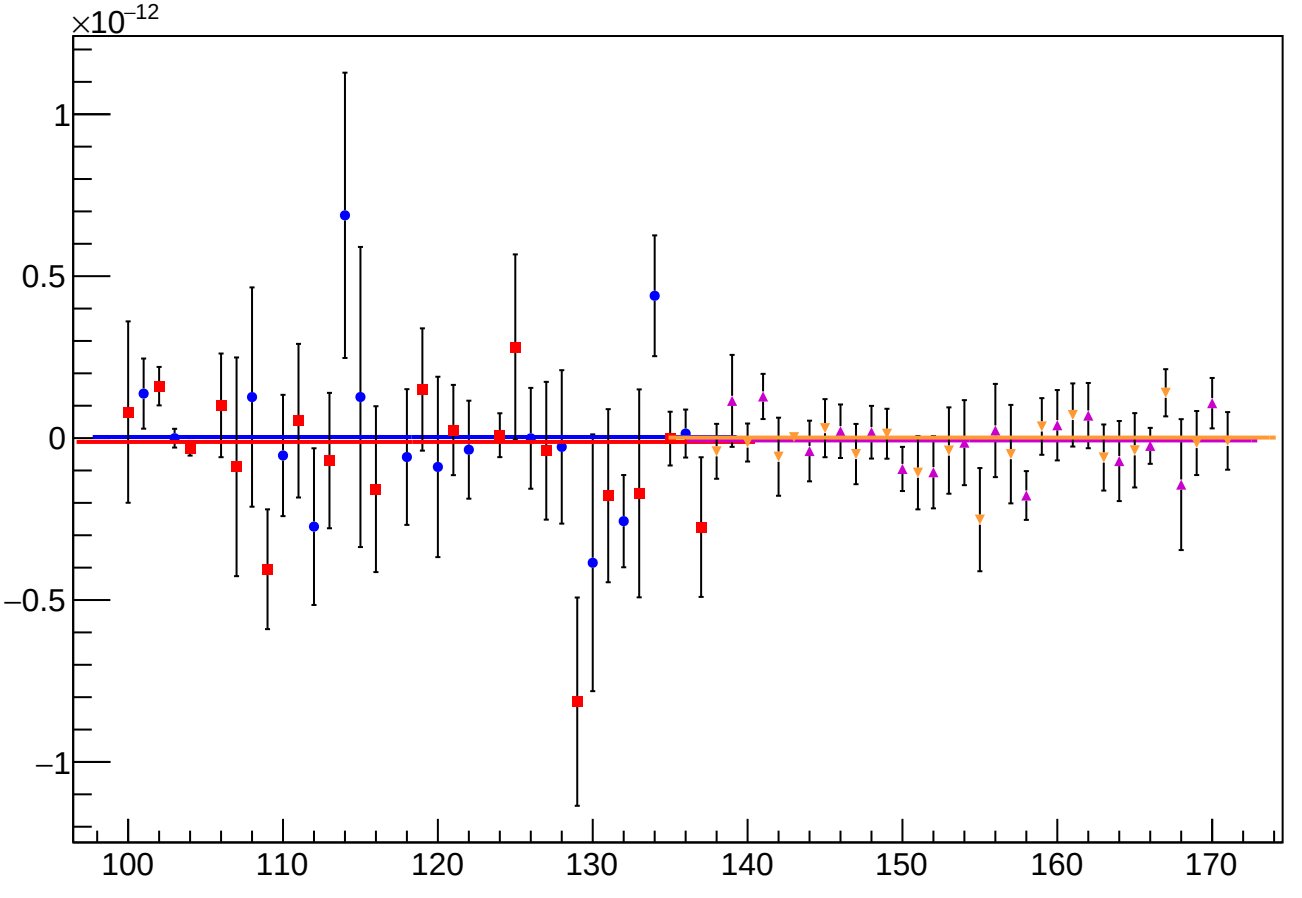
Left: 308.766+/-0.045 χ^2/NDF: 4921459.7/33

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 192.485+/-0.034 χ^2/NDF:7517640.0/31

Out: 184.237+/-0.034 χ^2/NDF:11106018.5/36

All: 188.310+/-0.024 χ^2/NDF: 18653060.3/68



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:16.2/15

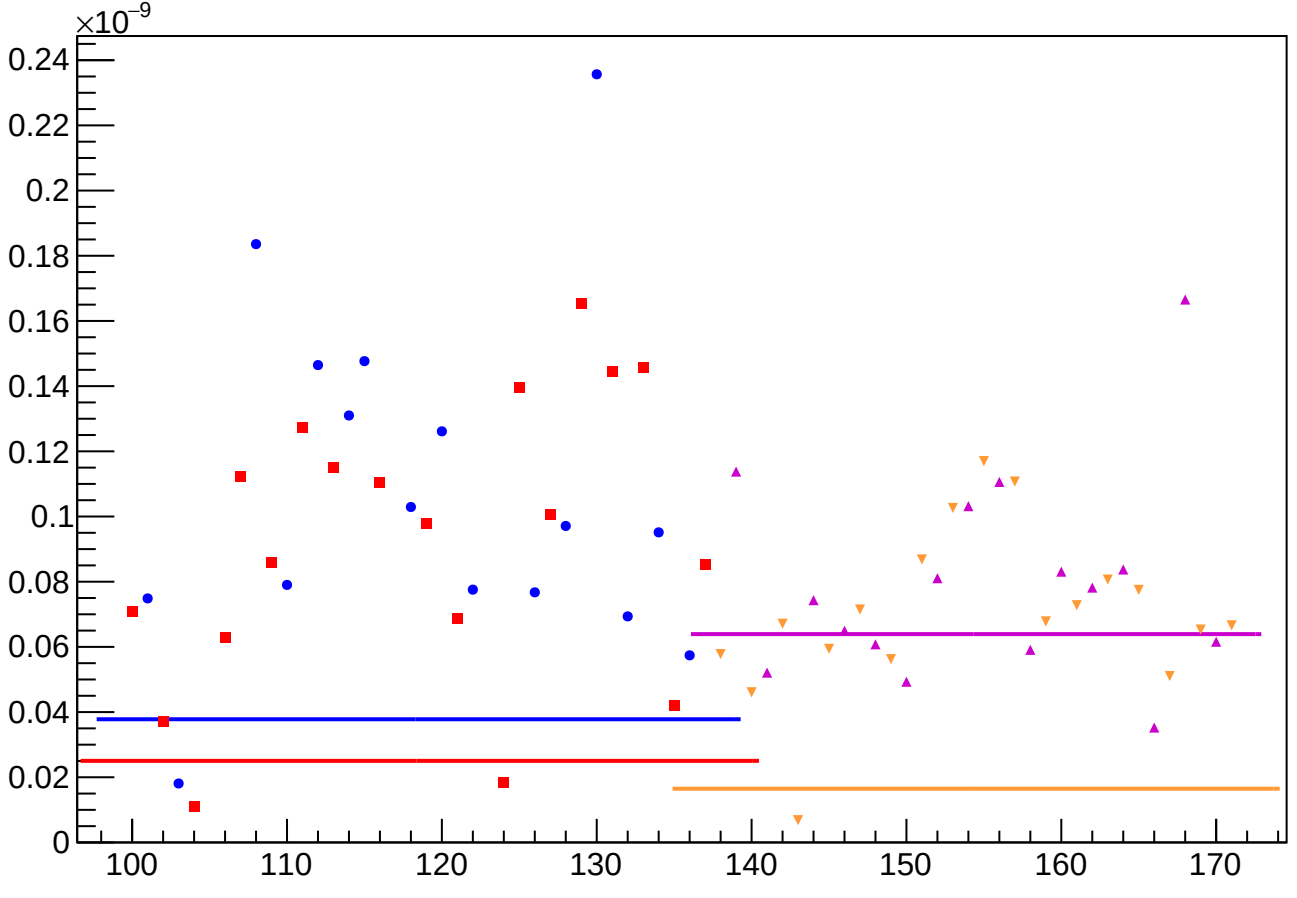
Left: 0.000+/-0.000 χ^2/NDF: 25.8/33

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.9/31

Out: -0.000+/-0.000 χ^2/NDF:35.0/36

All: -0.000+/-0.000 χ^2/NDF: 66.9/68



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:2073094.6/15

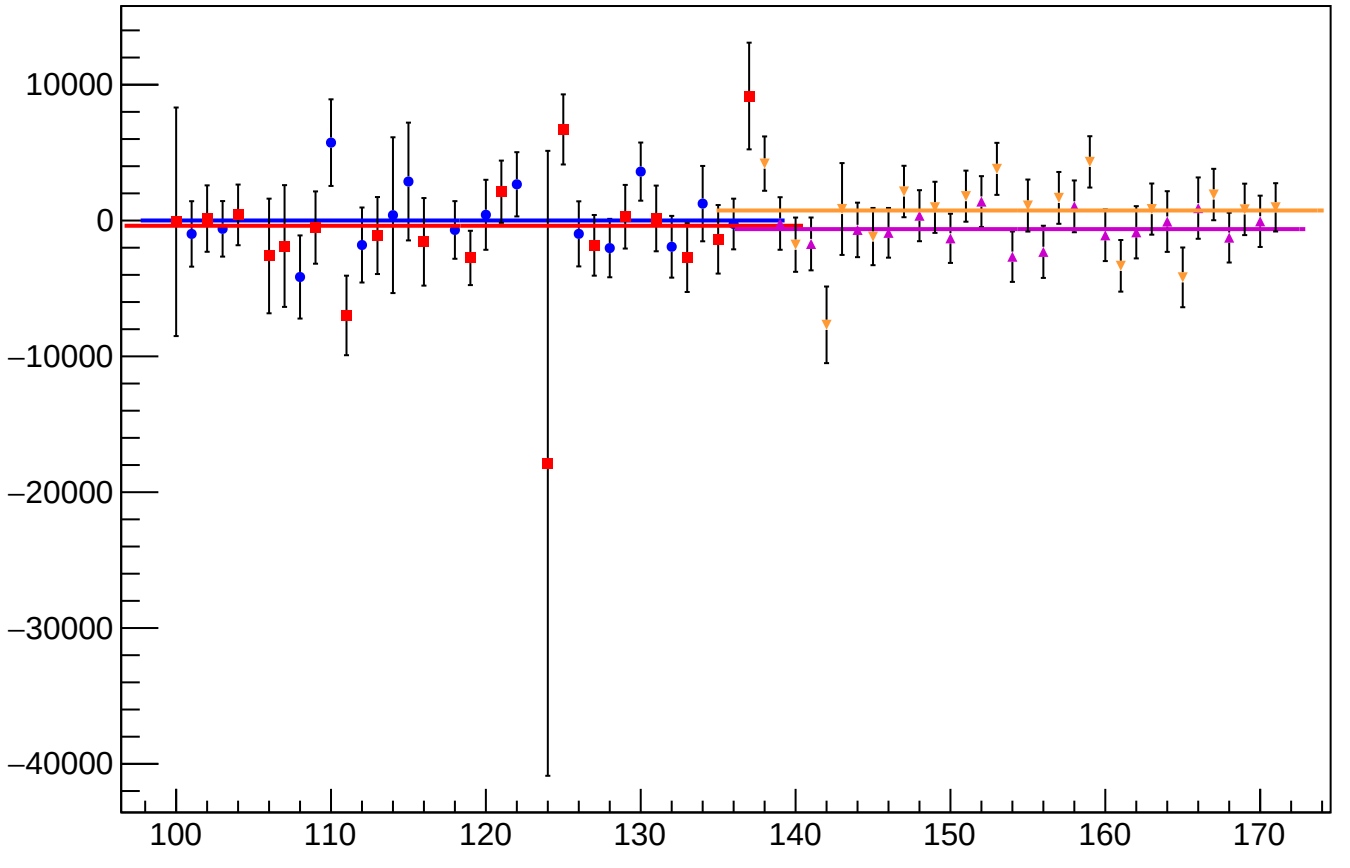
Left: 0.000+/-0.000 χ^2/NDF: 22121889.7/33

Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:7290039.1/31

Out: 0.000+/-0.000 χ^2/NDF:17371292.7/36

All: 0.000+/-0.000 χ^2/NDF: 31413962.1/68



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 740.684+/-470.203 χ^2/NDF:31.6/17

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -631.184+/-481.649 χ^2/NDF:5.5/15

Left: 71.244+/-336.458 χ^2/NDF: 41.3/33

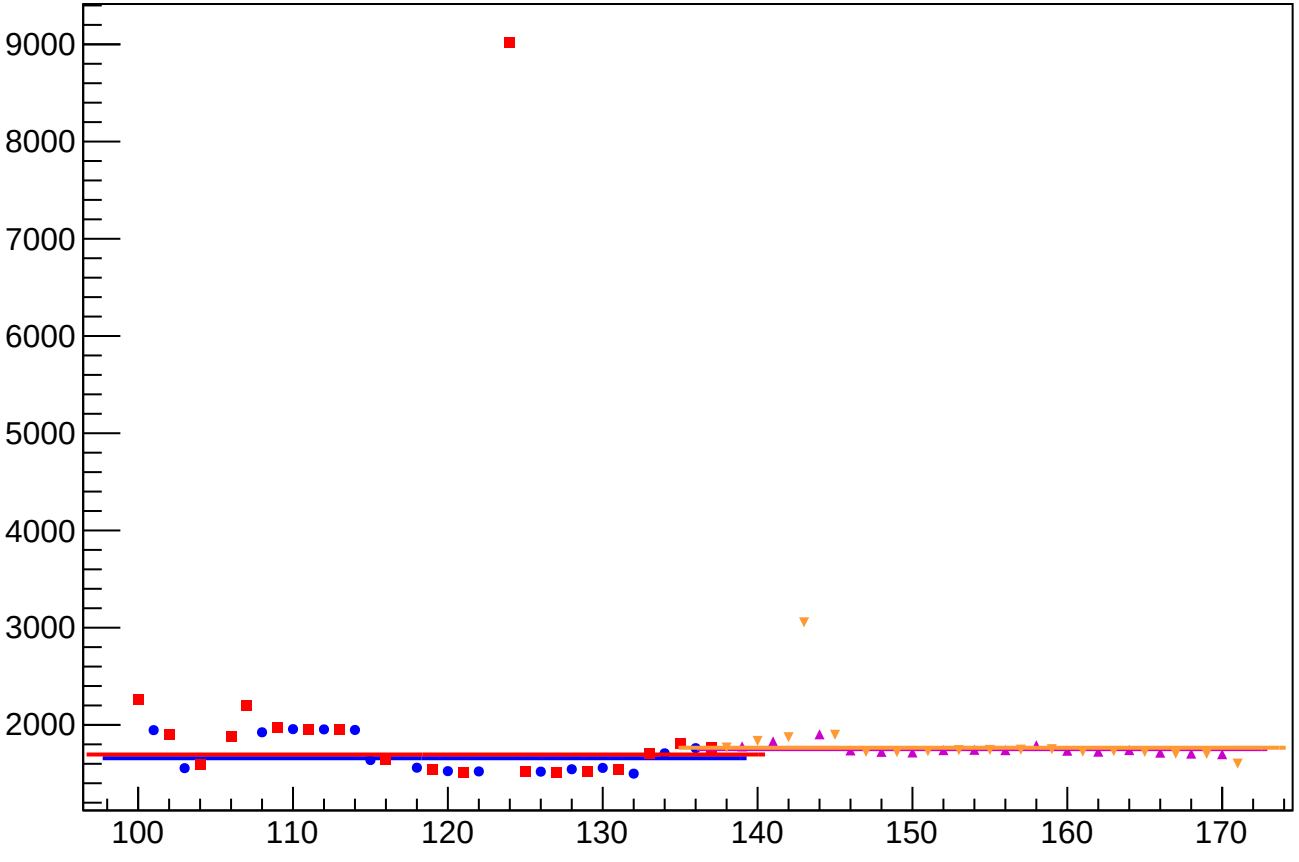
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -391.937+/-380.339 χ^2/NDF:18.6/31

Out: 341.057+/-377.604 χ^2/NDF:57.7/36

All: -22.795+/-267.968 χ^2/NDF: 78.2/68

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: 1750.607+/-0.341 χ^2/NDF:21399.1/15

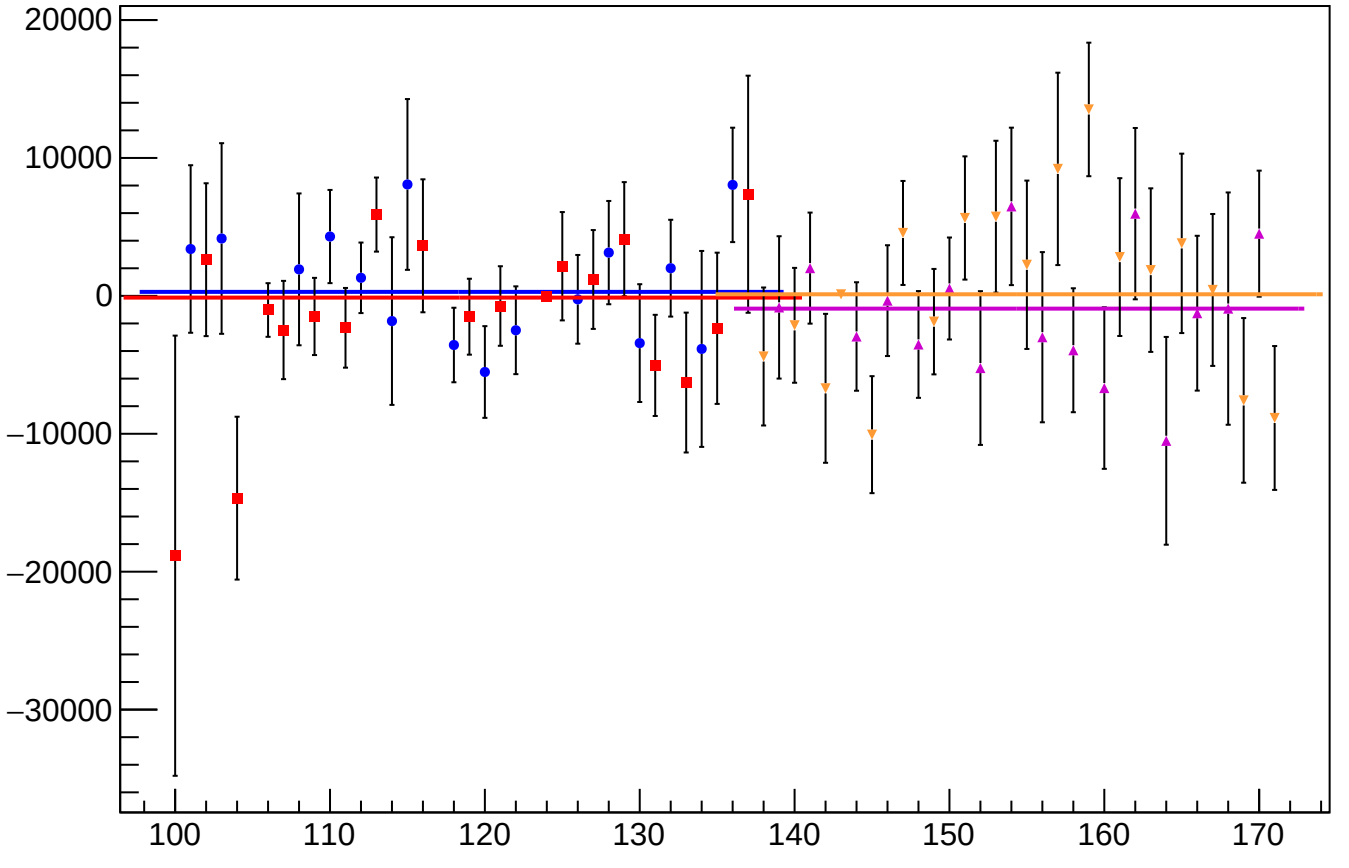
Left: 1758.054+/-0.238 χ^2/NDF: 354084.1/33

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1715.414+/-0.269 χ^2/NDF:193745.6/31

Out: 1740.325+/-0.267 χ^2/NDF:733576.3/36

All: 1727.980+/-0.189 χ^2/NDF: 931649.6/68



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: -925.824+/-1220.993 χ^2/NDF:9.5/15

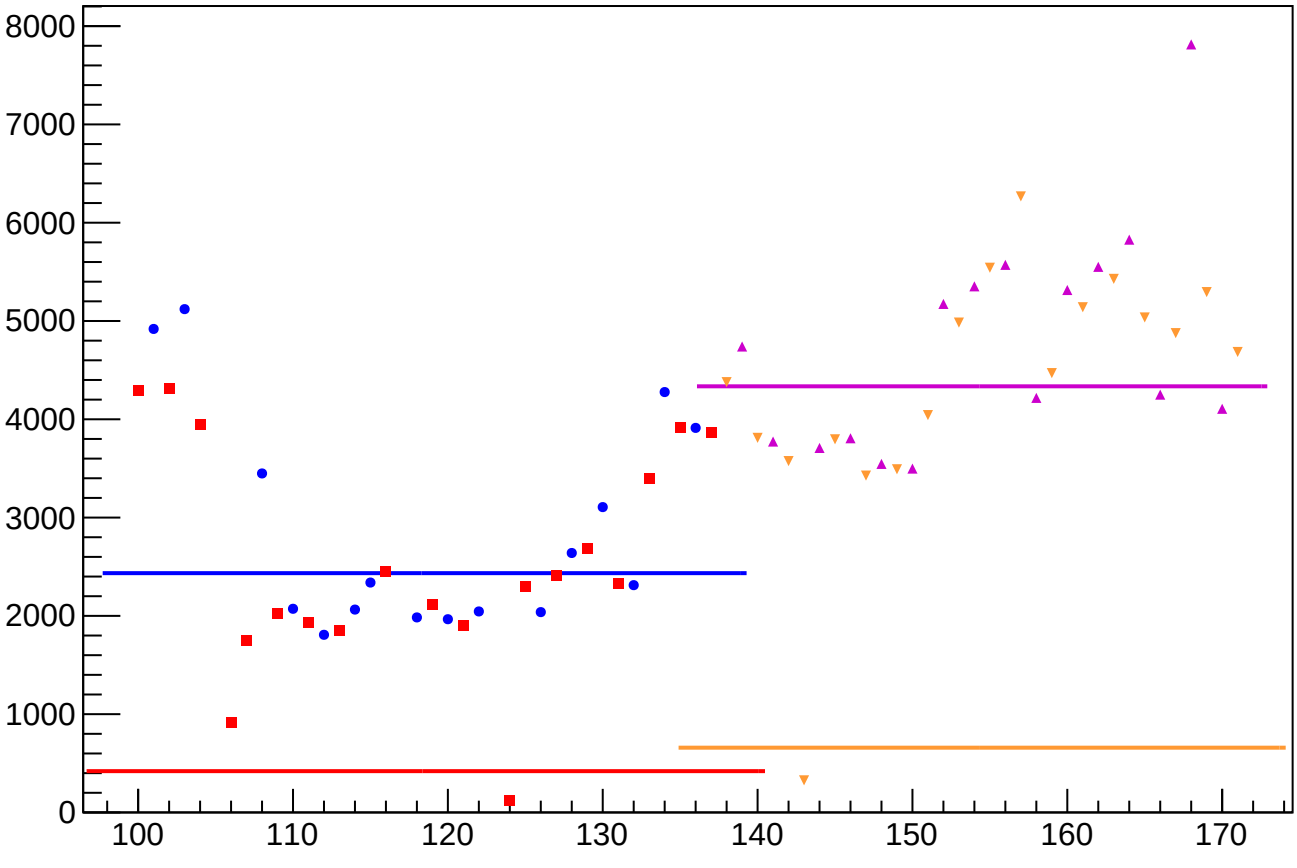
Left: 36.231+/-335.337 χ^2/NDF: 37.6/33

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -175.568+/-755.191 χ^2/NDF:25.3/31

Out: -14.367+/-237.257 χ^2/NDF:48.5/36

All: -28.849+/-226.350 χ^2/NDF: 73.9/68



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: 4335.459+/-0.863 χ^2/NDF:1070258.7/15

Left: 936.346+/-0.237 χ^2/NDF: 38794479.4/33

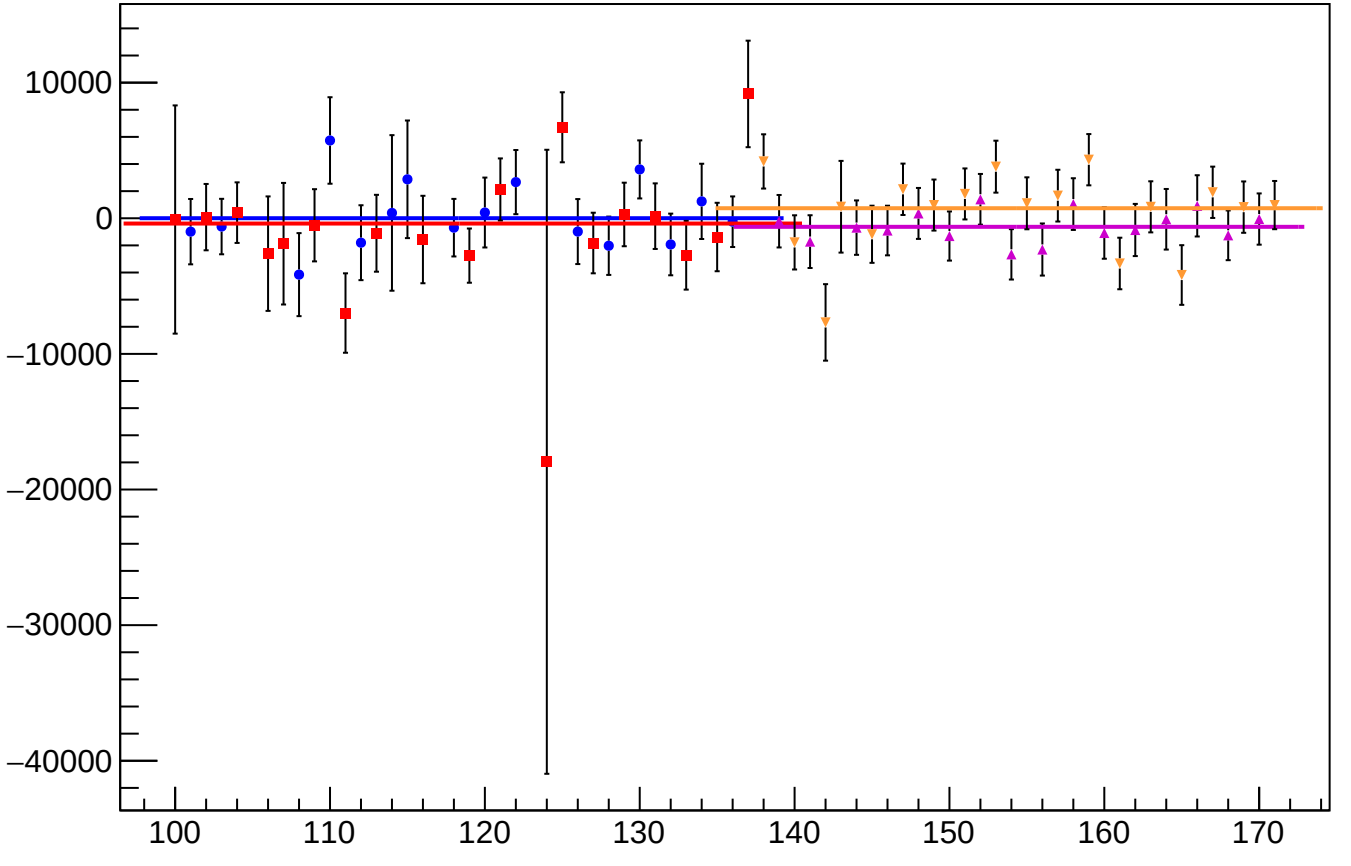
Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

In: 3161.767+/-0.534 χ^2/NDF:5520997.9/31

Out: 530.790+/-0.168 χ^2/NDF:32527049.3/36

All: 767.145+/-0.160 χ^2/NDF: 60141866.2/68

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: -631.224+/-481.649 χ^2/NDF:5.5/15

Left: 71.209+/-336.458 χ^2/NDF: 41.3/33

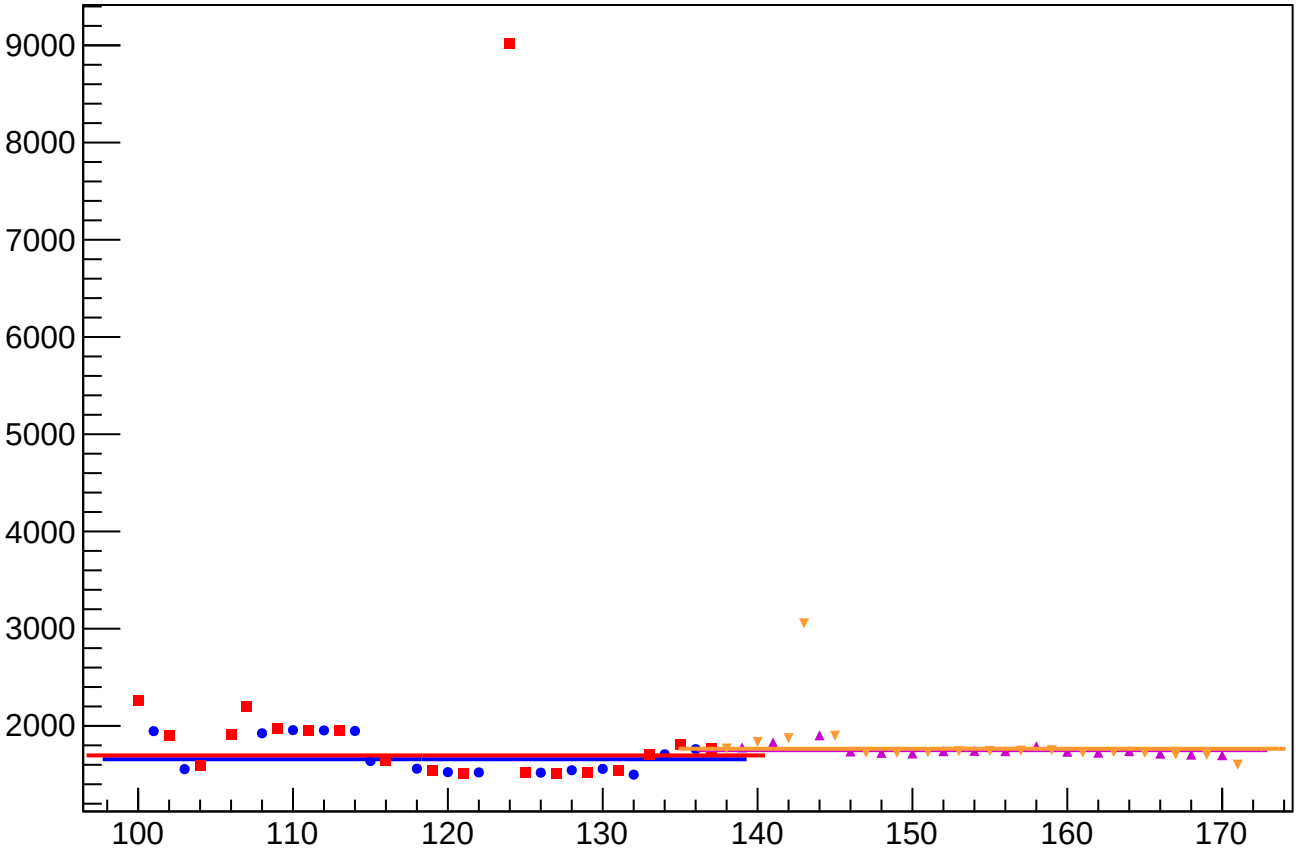
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -391.992+/-380.339 χ^2/NDF:18.6/31

Out: 339.517+/-377.606 χ^2/NDF:57.7/36

All: -23.599+/-267.969 χ^2/NDF: 78.2/68

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: 1750.607+/-0.341 χ^2/NDF:21399.1/15

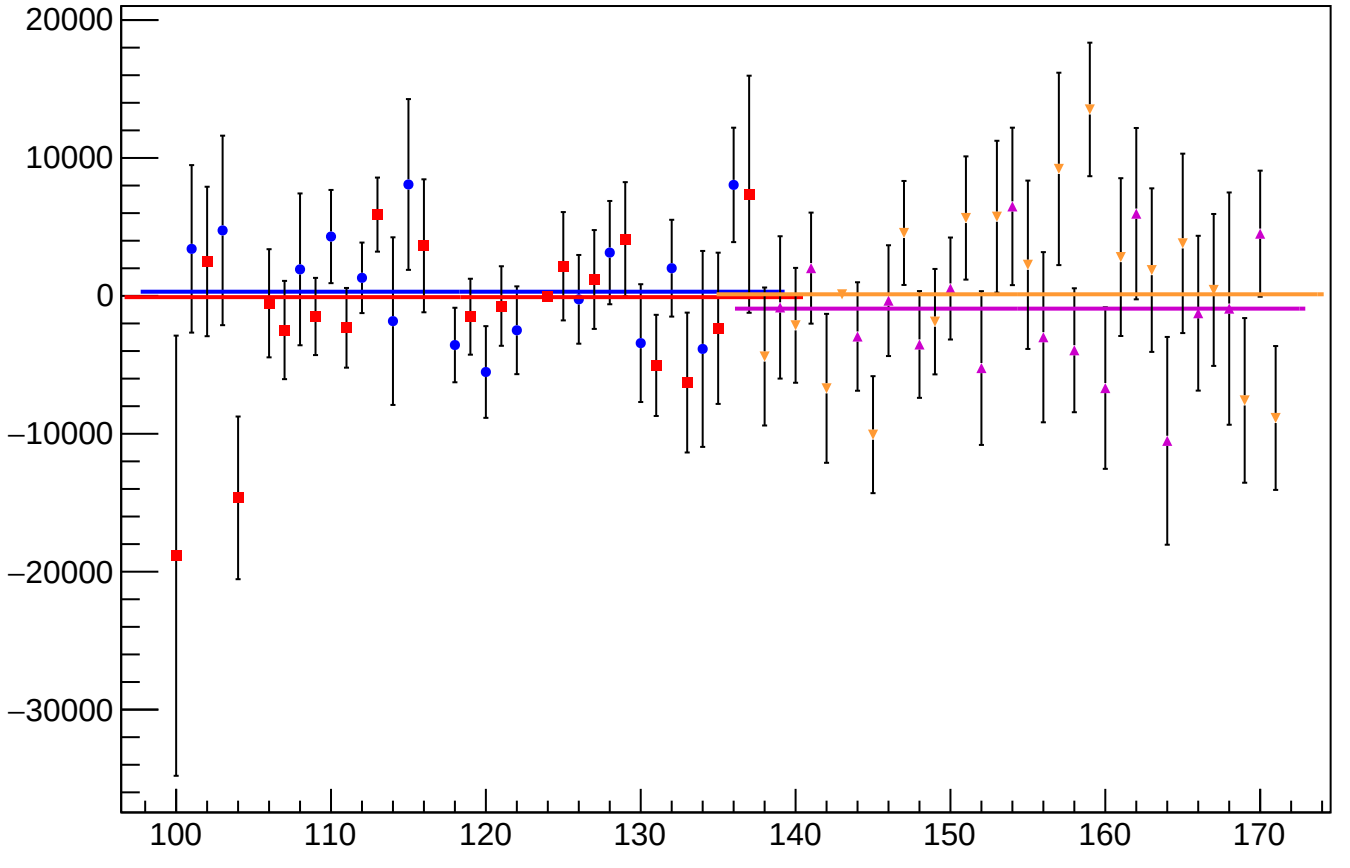
Left: 1758.054+/-0.238 χ^2/NDF: 354084.1/33

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.414+/-0.269 χ^2/NDF:193745.7/31

Out: 1740.624+/-0.267 χ^2/NDF:734970.7/36

All: 1728.129+/-0.189 χ^2/NDF: 933147.8/68



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: -925.867+/-1220.992 χ^2/NDF:9.5/15

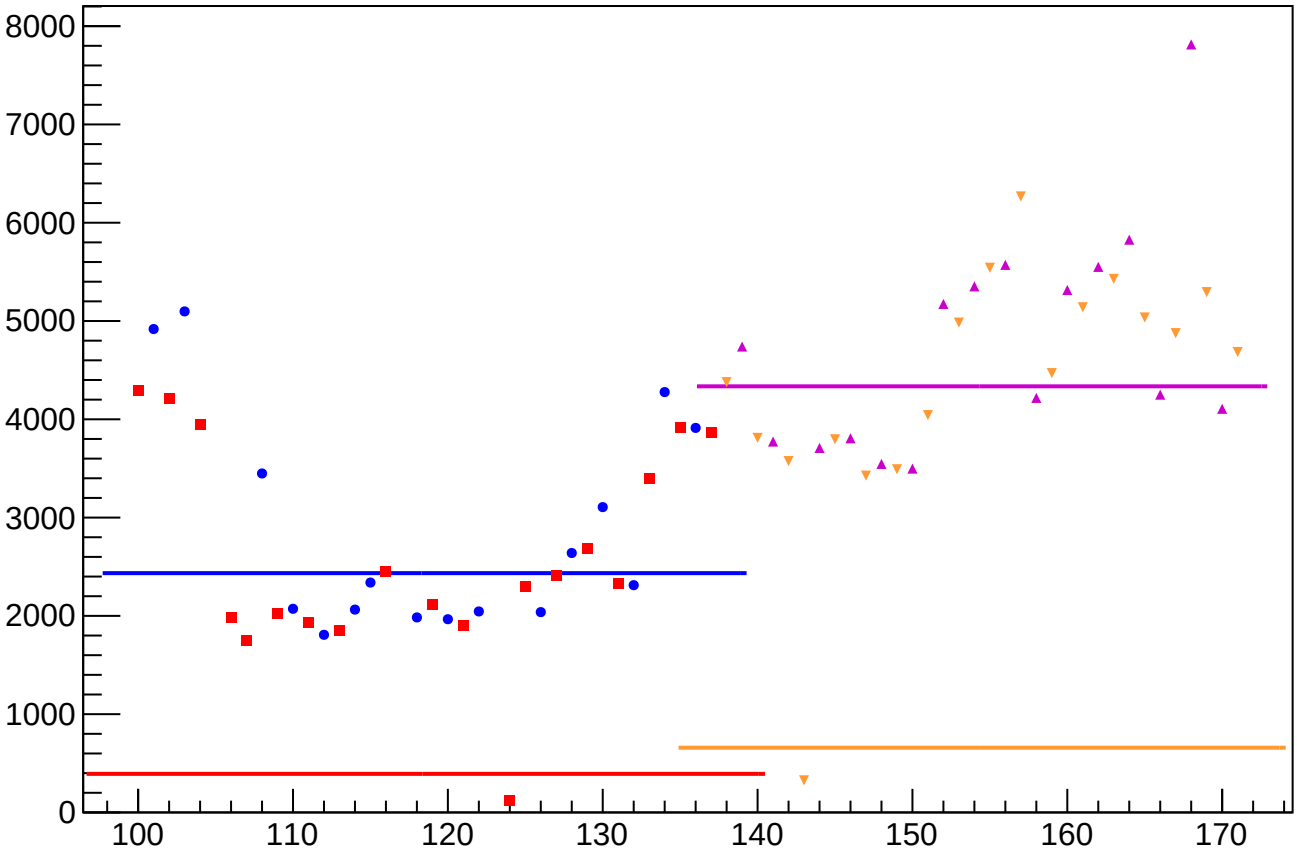
Left: 36.642+/-335.314 χ^2/NDF: 37.6/33

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -167.748+/-755.133 χ^2/NDF:25.5/31

Out: 1.192+/-234.063 χ^2/NDF:48.3/36

All: -13.617+/-223.569 χ^2/NDF: 73.8/68



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: 4335.455+/-0.863 χ^2/NDF:1070250.8/15

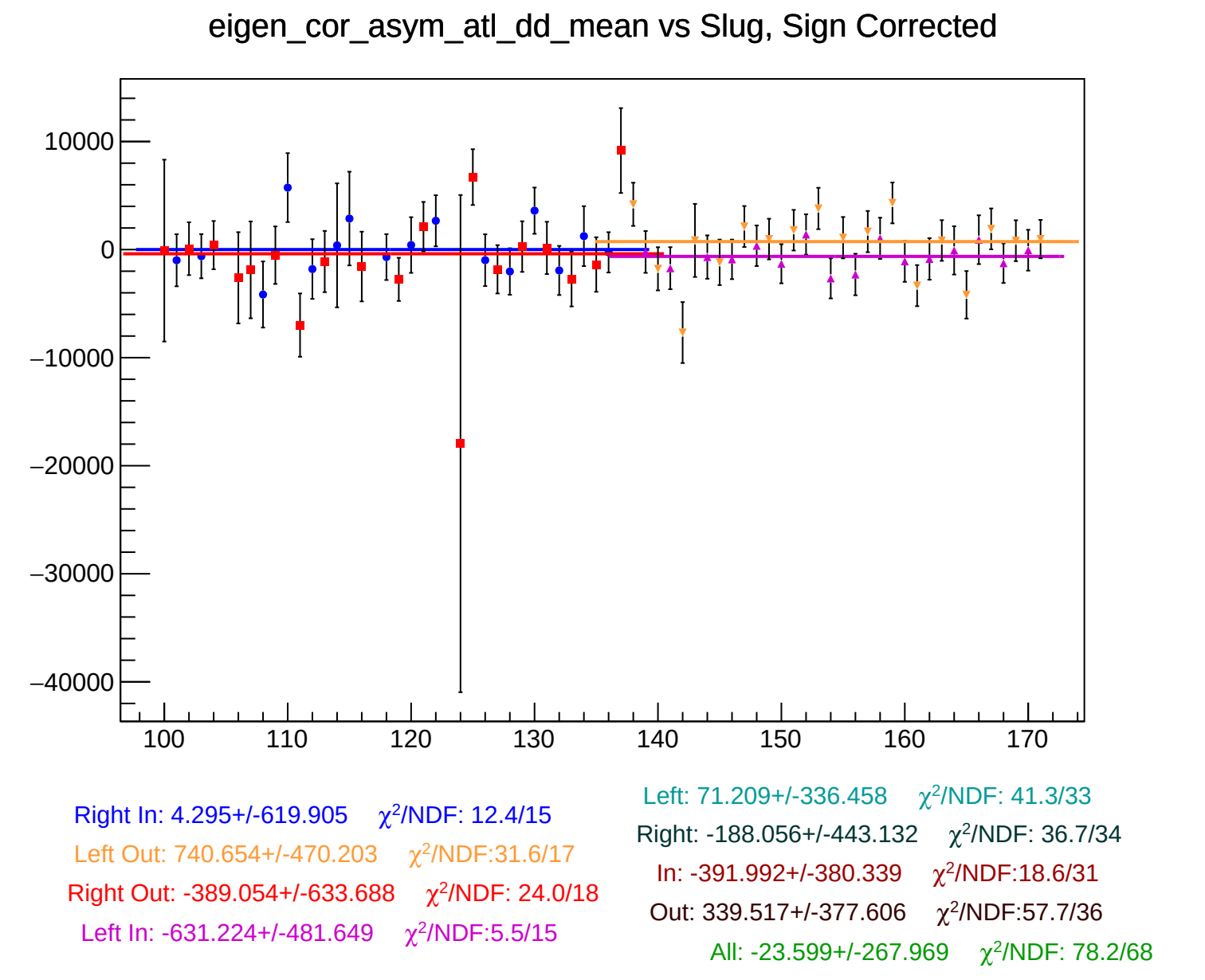
Left: 936.240+/-0.237 χ^2/NDF: 38795877.7/33

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

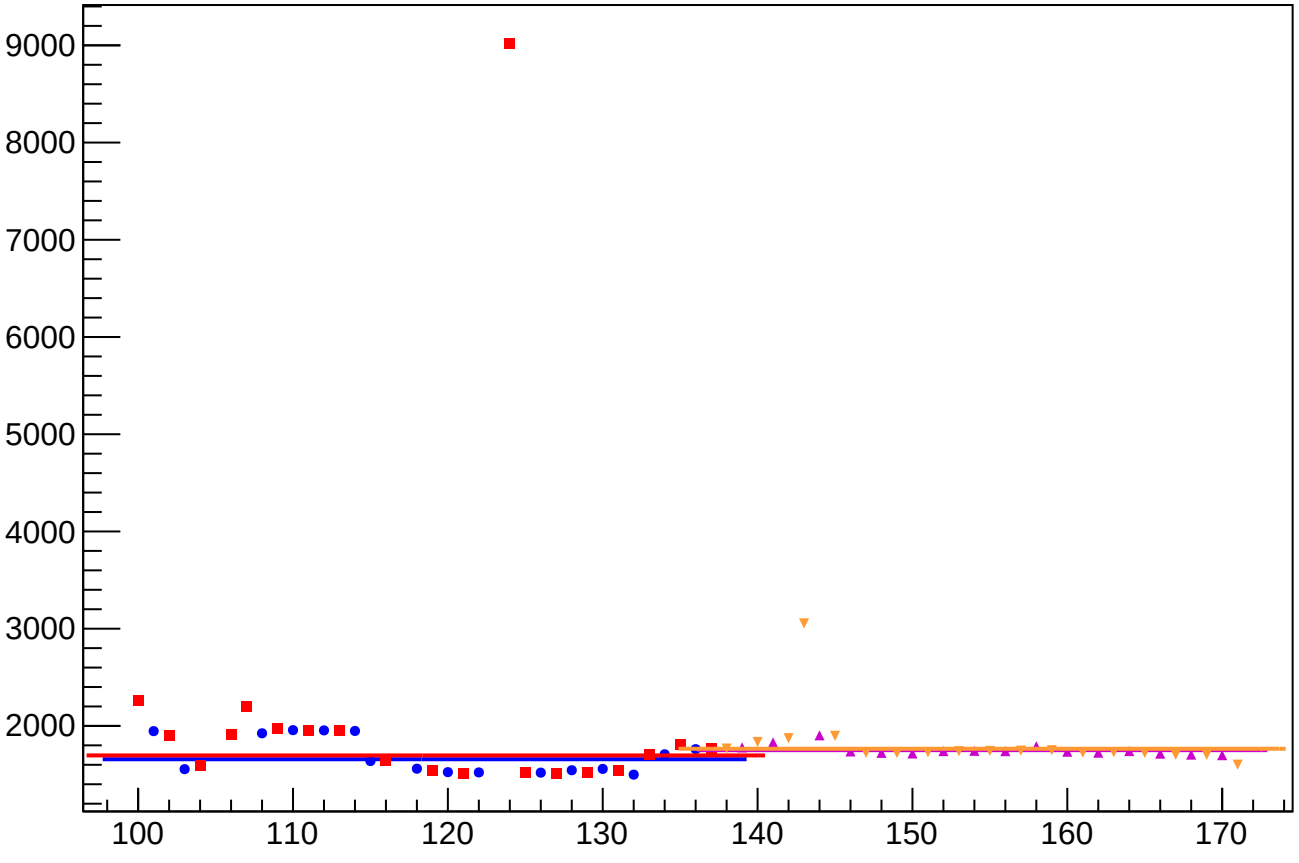
In: 3161.758+/-0.534 χ^2/NDF:5519048.1/31

Out: 512.636+/-0.166 χ^2/NDF:33008994.1/36

All: 744.845+/-0.158 χ^2/NDF: 60984749.0/68


eigen_cor_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 4.295+/-619.905 χ²/NDF: 12.4/15
Left Out: 740.654+/-470.203 χ²/NDF:31.6/17
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -631.224+/-481.649 χ²/NDF:5.5/15
Left: 71.209+/-336.458 χ²/NDF: 41.3/33
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -391.992+/-380.339 χ²/NDF:18.6/31
Out: 339.517+/-377.606 χ²/NDF:57.7/36
All: -23.599+/-267.969 χ²/NDF: 78.2/68

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: 1750.607+/-0.341 χ^2/NDF:21399.1/15

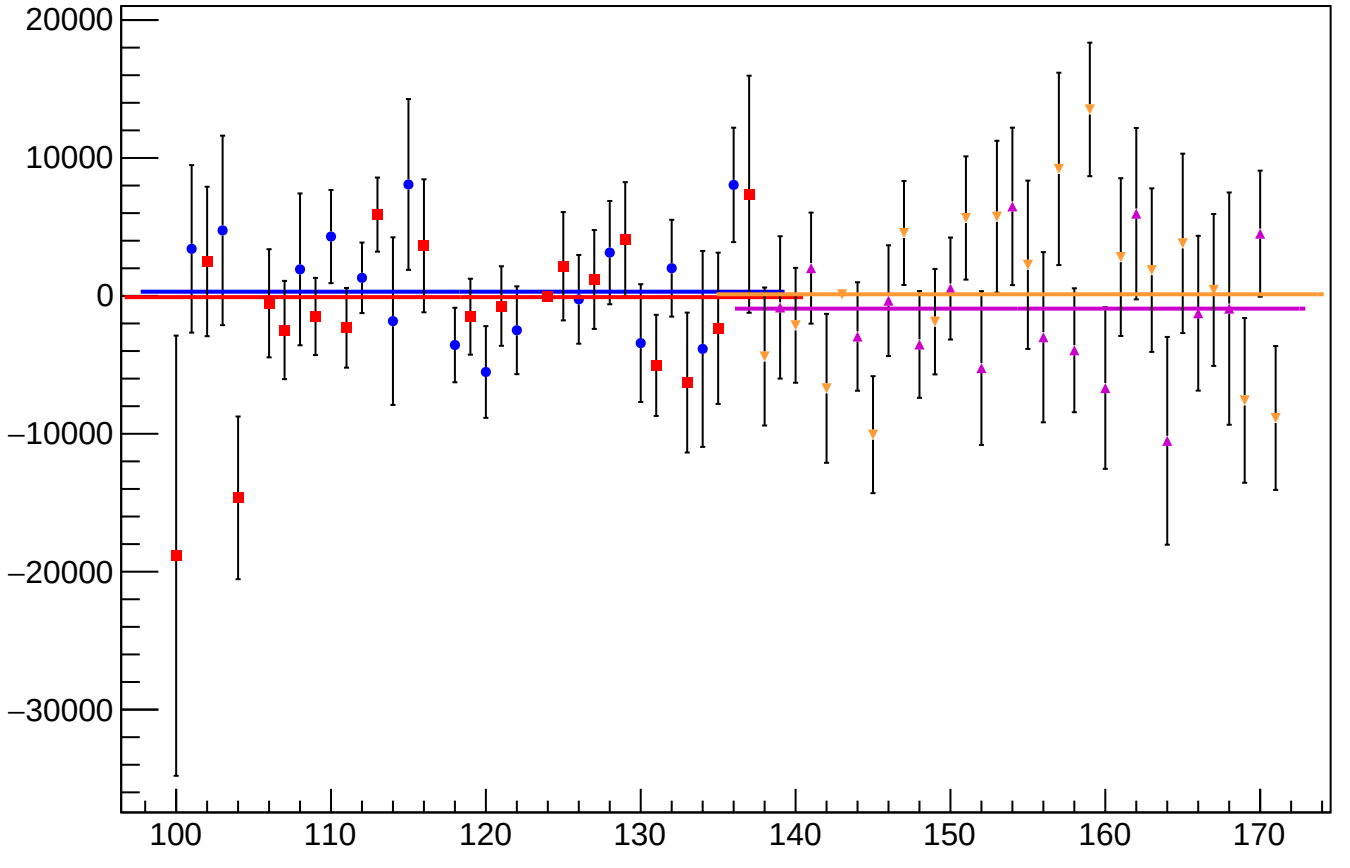
Left: 1758.054+/-0.238 χ^2/NDF: 354084.1/33

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1715.414+/-0.269 χ^2/NDF:193745.7/31

Out: 1740.624+/-0.267 χ^2/NDF:734970.7/36

All: 1728.129+/-0.189 χ^2/NDF: 933147.8/68



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: -925.867+/-1220.992 χ^2/NDF:9.5/15

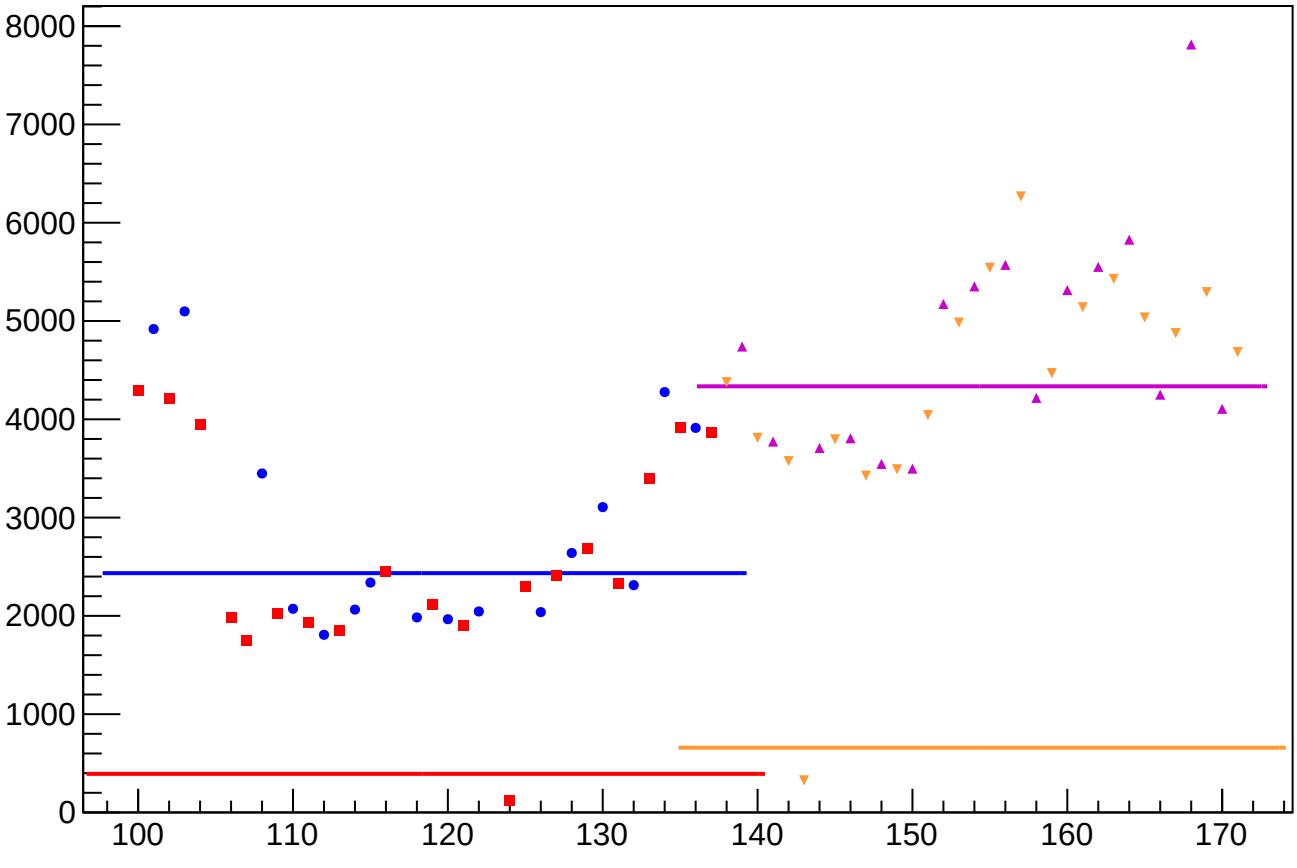
Left: 36.642+/-335.314 χ^2/NDF: 37.6/33

Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -167.748+/-755.133 χ^2/NDF:25.5/31

Out: 1.192+/-234.063 χ^2/NDF:48.3/36

All: -13.617+/-223.569 χ^2/NDF: 73.8/68



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: 4335.455+/-0.863 χ^2/NDF:1070250.8/15

Left: 936.240+/-0.237 χ^2/NDF: 38795877.7/33

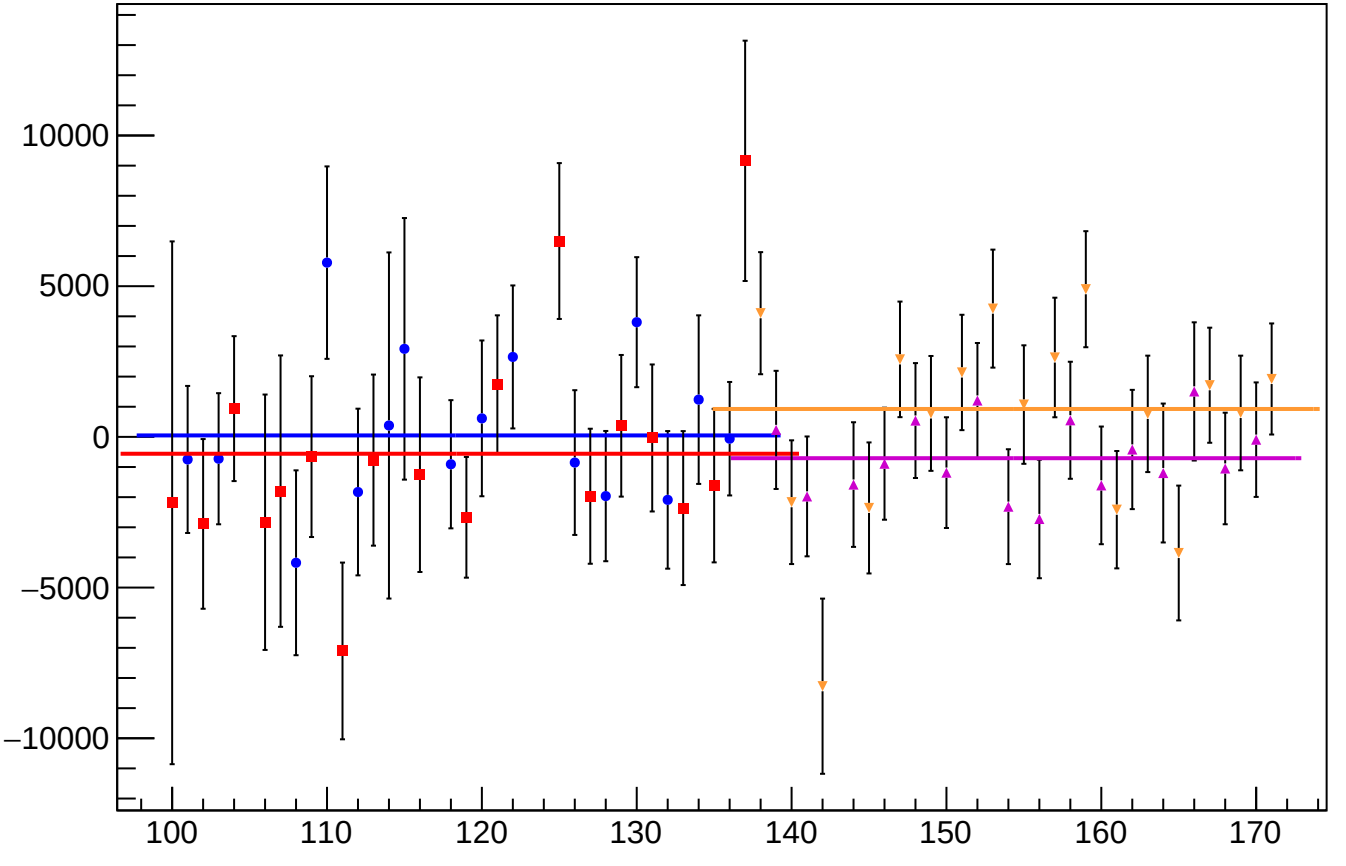
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3161.758+/-0.534 χ^2/NDF:5519048.1/31

Out: 512.636+/-0.166 χ^2/NDF:33008994.1/36

All: 744.845+/-0.158 χ^2/NDF: 60984749.0/68

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: -707.399+/-491.064 χ^2/NDF:5.9/15

Left: 119.449+/-345.063 χ^2/NDF: 45.5/32

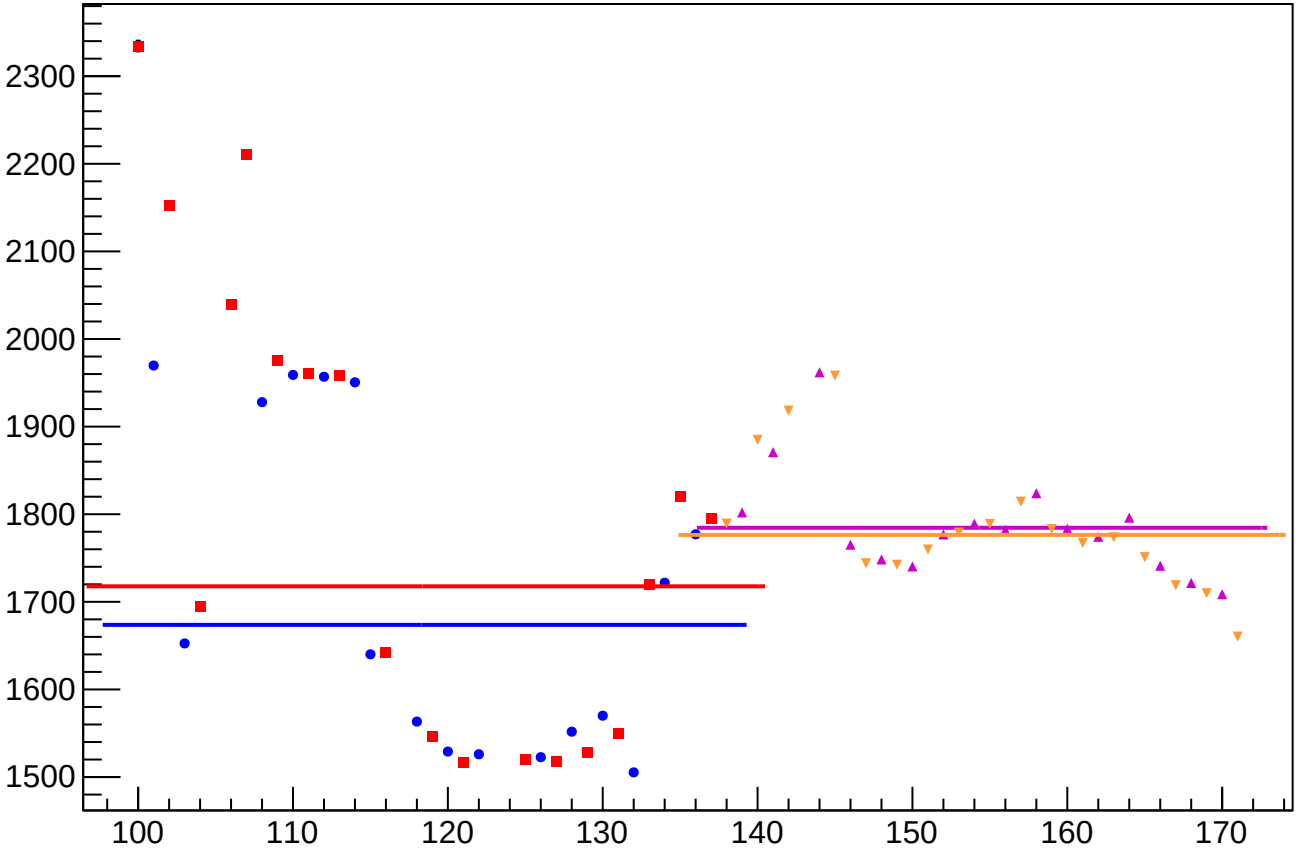
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -419.596+/-386.406 χ^2/NDF:19.6/31

Out: 389.712+/-387.691 χ^2/NDF:60.7/34

All: -16.286+/-273.683 χ^2/NDF: 82.5/66

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: 1784.532+/-0.347 χ^2/NDF:27930.7/15

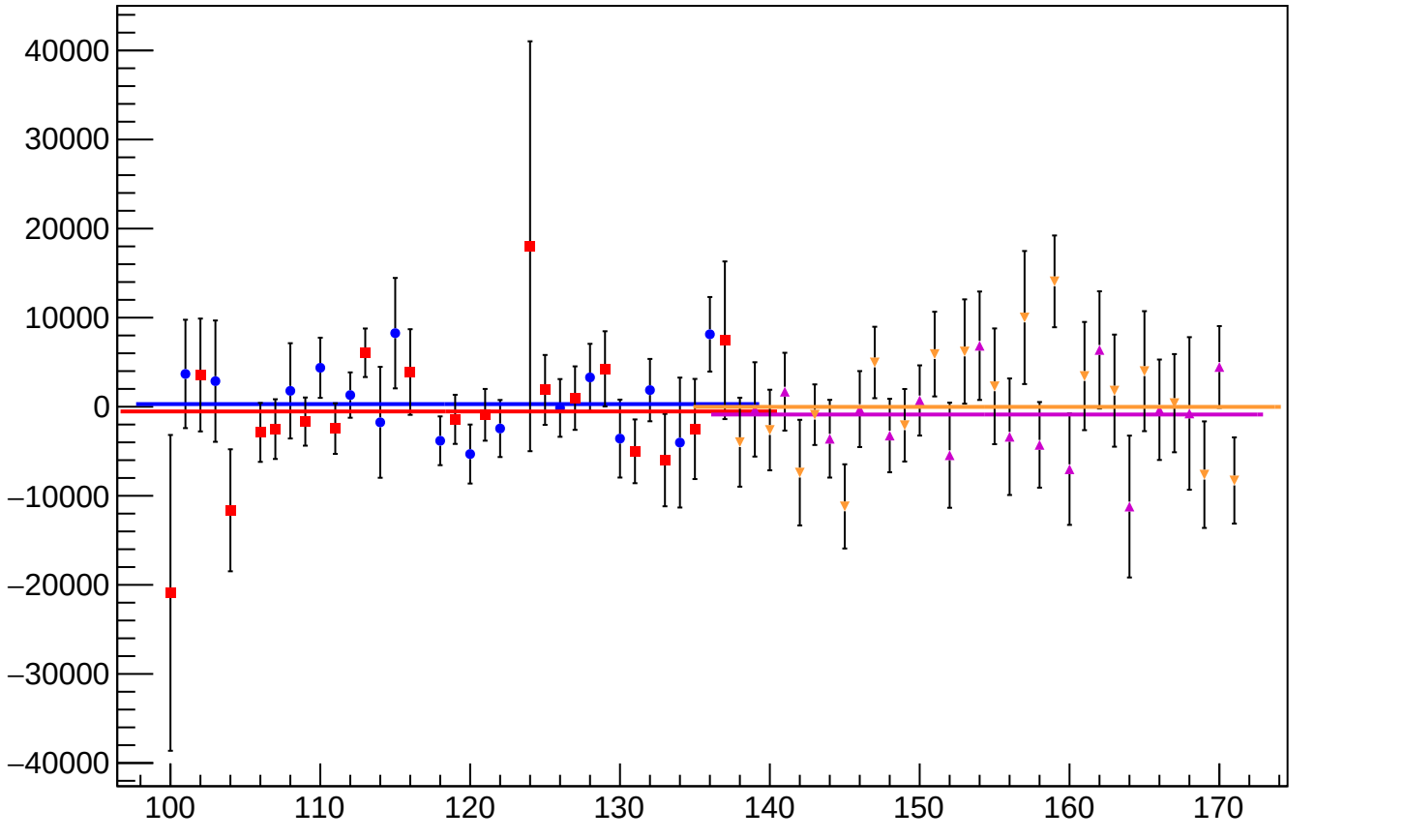
Left: 1780.428+/-0.244 χ^2/NDF: 67336.9/32

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1742.335+/-0.273 χ^2/NDF:207581.9/31

Out: 1755.170+/-0.274 χ^2/NDF:277383.8/34

All: 1748.736+/-0.193 χ^2/NDF: 486066.3/66



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: -874.294+/-1292.989 χ^2/NDF:9.3/15

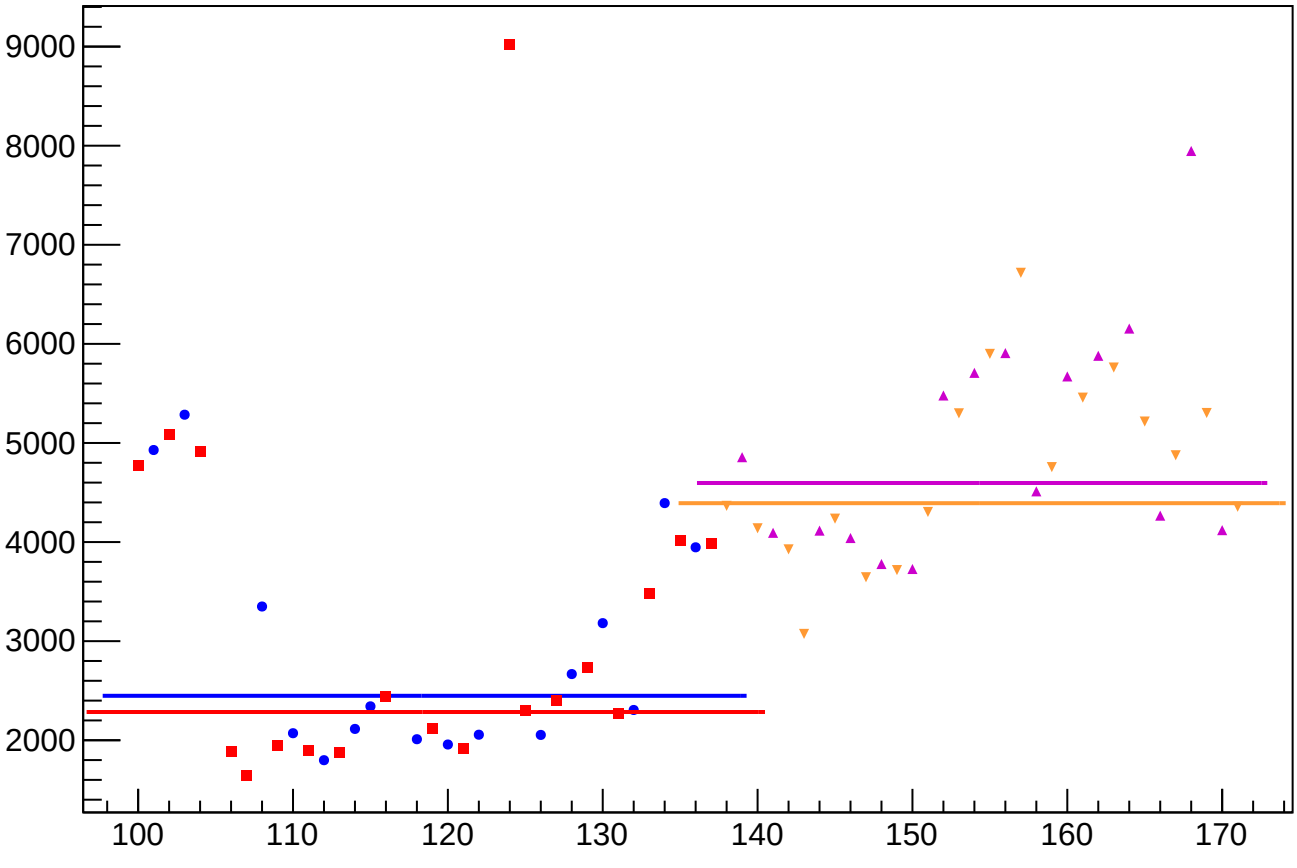
Left: -411.773+/-877.079 χ^2/NDF: 36.9/33

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: -122.154+/-773.193 χ^2/NDF:25.1/31

Out: -349.161+/-710.393 χ^2/NDF:46.2/36

All: -245.250+/-523.118 χ^2/NDF: 71.4/68



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: 4596.111+/-0.914 χ^2/NDF:1003735.2/15

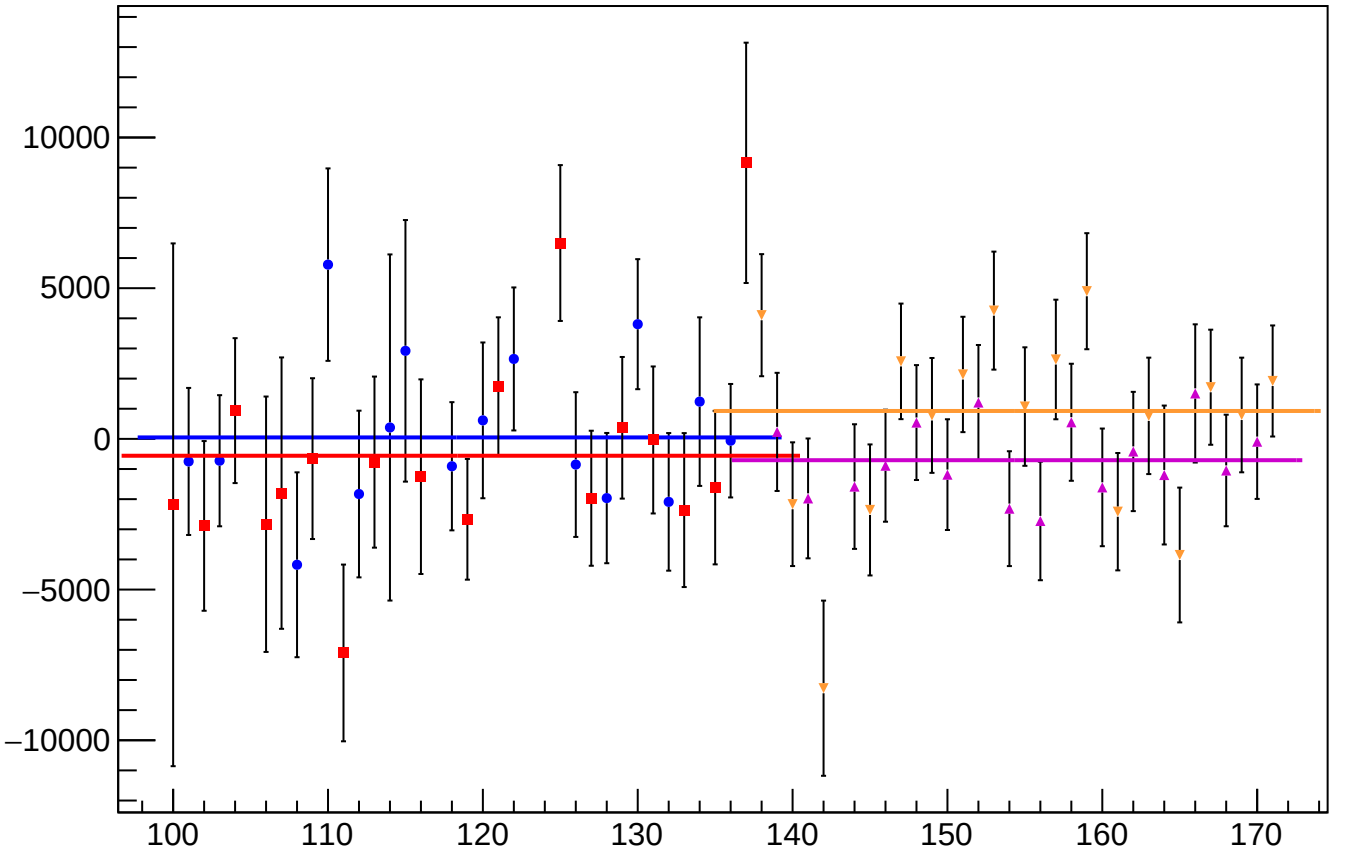
Left: 4486.127+/-0.620 χ^2/NDF: 2084612.6/33

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3216.529+/-0.547 χ^2/NDF:6065564.8/31

Out: 3031.405+/-0.502 χ^2/NDF:6628352.8/36

All: 3116.145+/-0.370 χ^2/NDF: 12756087.4/6



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: -707.400+/-491.064 χ^2/NDF:5.9/15

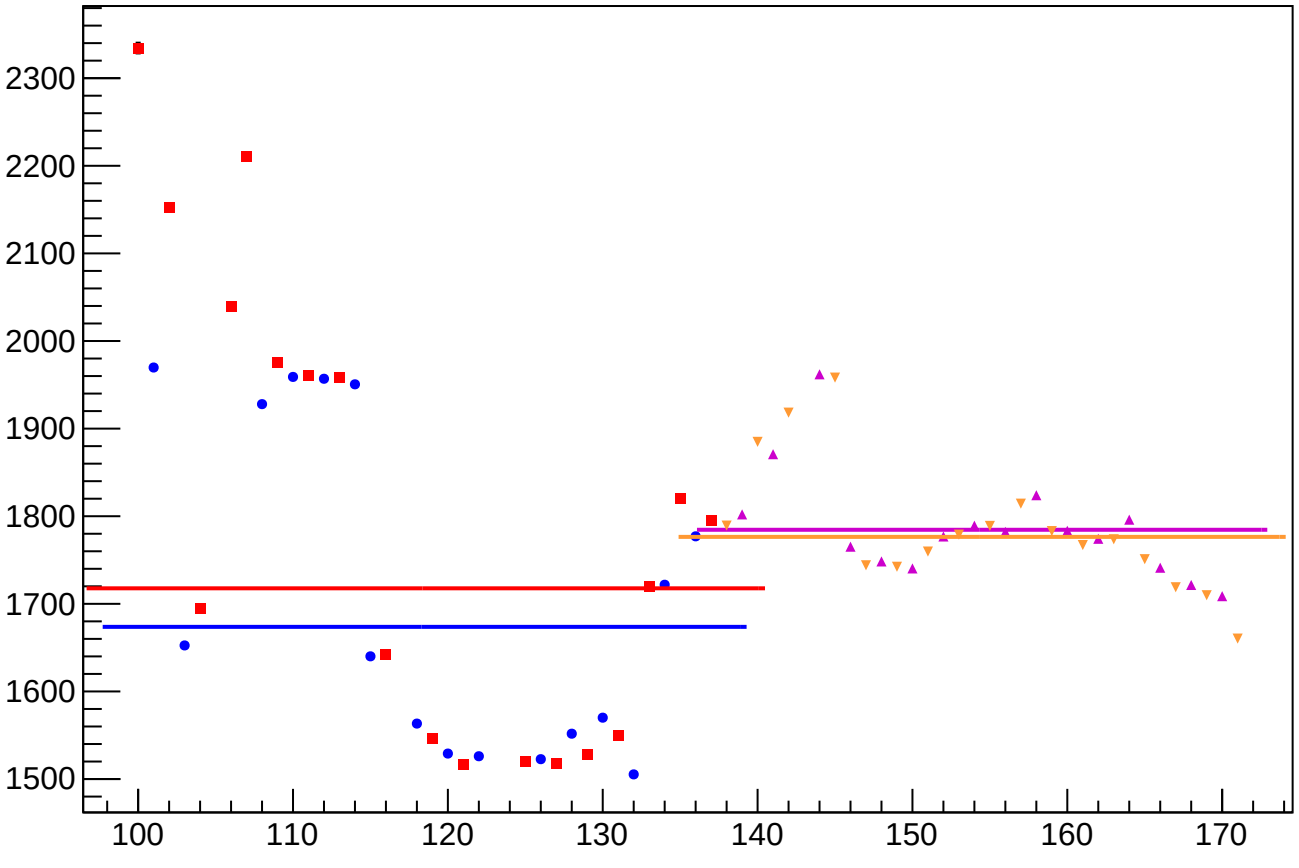
Left: 119.449+/-345.063 χ^2/NDF: 45.5/32

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -419.597+/-386.406 χ^2/NDF:19.6/31

Out: 389.711+/-387.691 χ^2/NDF:60.7/34

All: -16.287+/-273.683 χ^2/NDF: 82.5/66



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: 1784.532+/-0.347 χ^2/NDF:27931.1/15

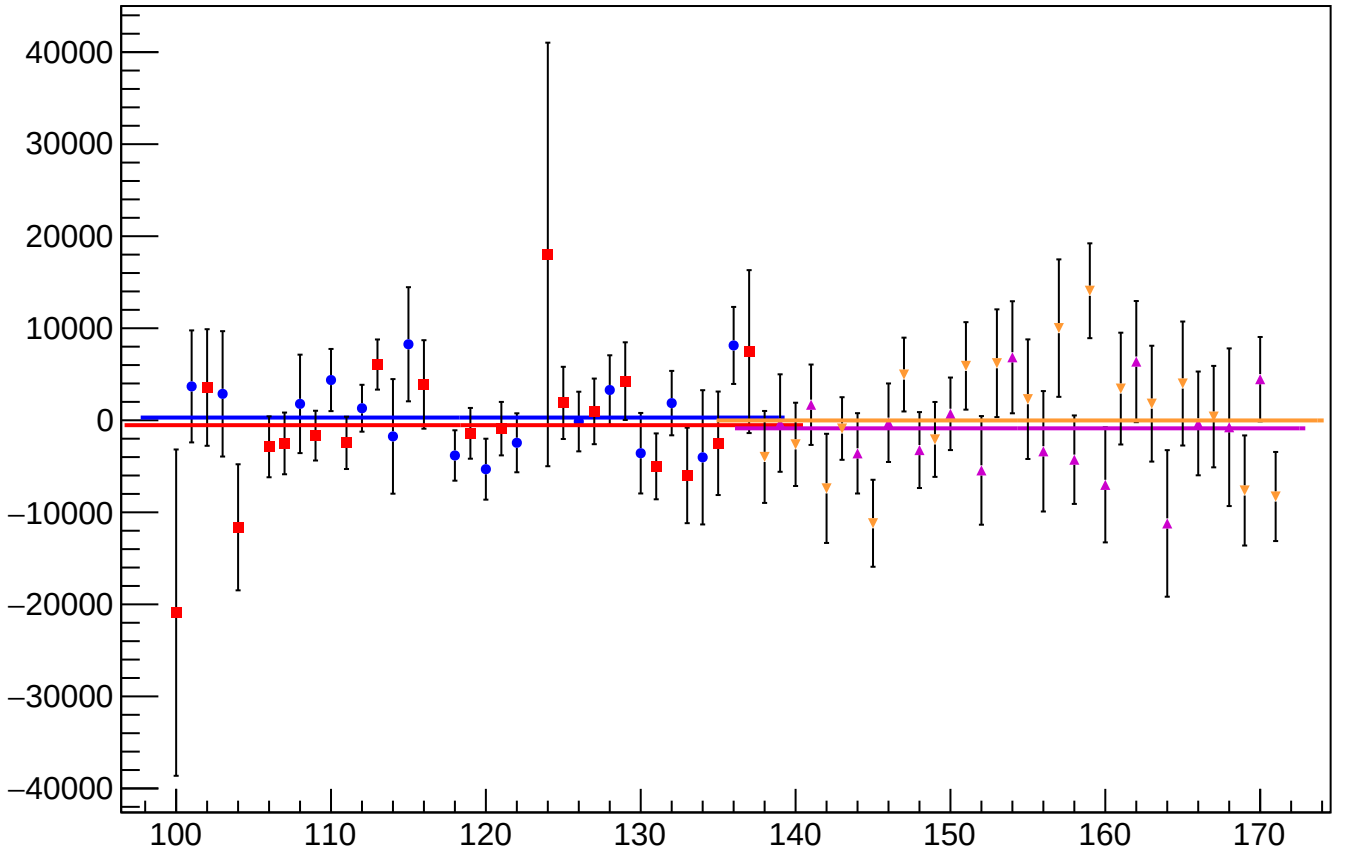
Left: 1780.428+/-0.244 χ^2/NDF: 67338.7/32

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1742.335+/-0.273 χ^2/NDF:207583.0/31

Out: 1755.170+/-0.274 χ^2/NDF:277384.7/34

All: 1748.737+/-0.193 χ^2/NDF: 486068.3/66



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: -874.294+/-1292.991 χ^2/NDF:9.3/15

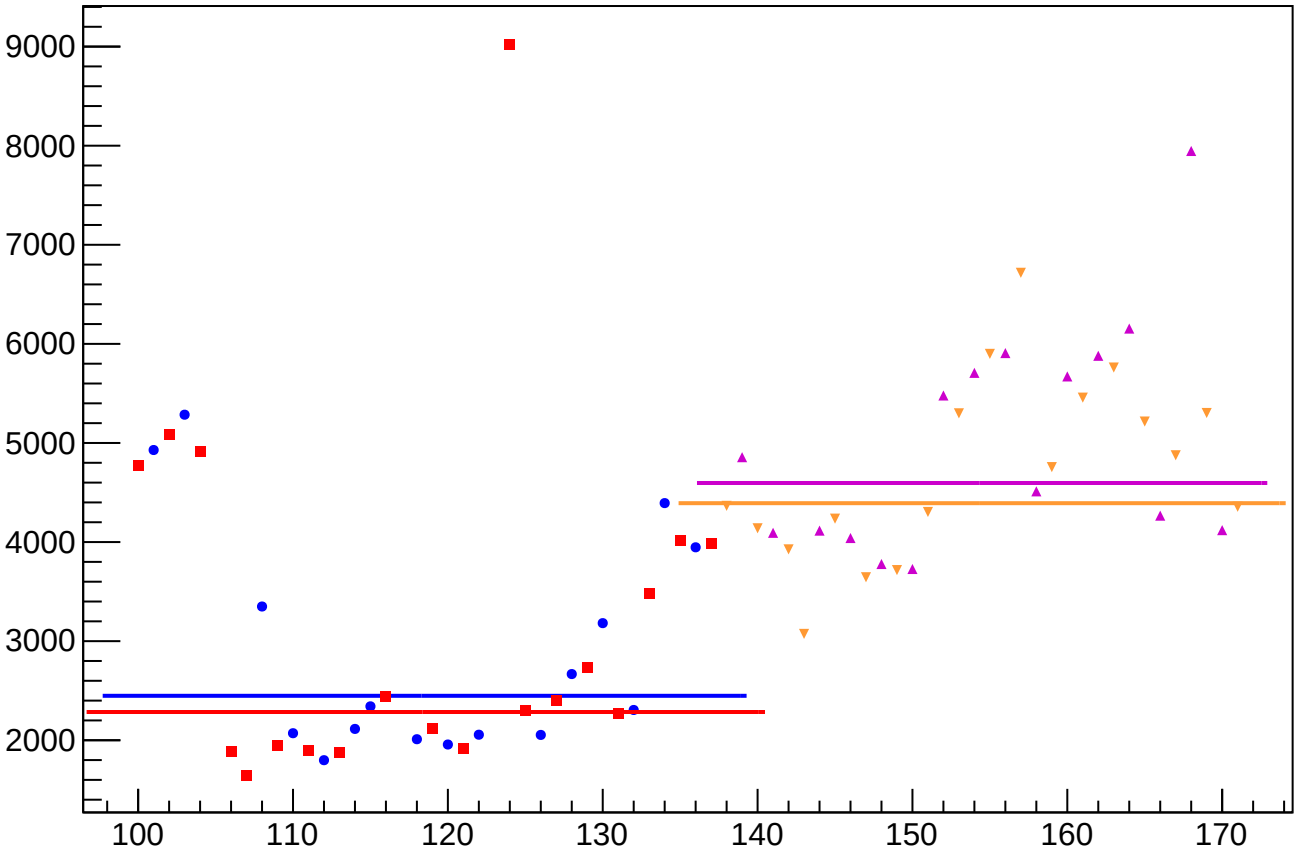
Left: -411.770+/-877.080 χ^2/NDF: 36.9/33

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: -122.155+/-773.191 χ^2/NDF:25.1/31

Out: -349.162+/-710.391 χ^2/NDF:46.2/36

All: -245.251+/-523.117 χ^2/NDF: 71.4/68



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: 4596.116+/-0.914 χ^2/NDF:1003738.3/15

Left: 4486.132+/-0.620 χ^2/NDF: 2084619.7/33

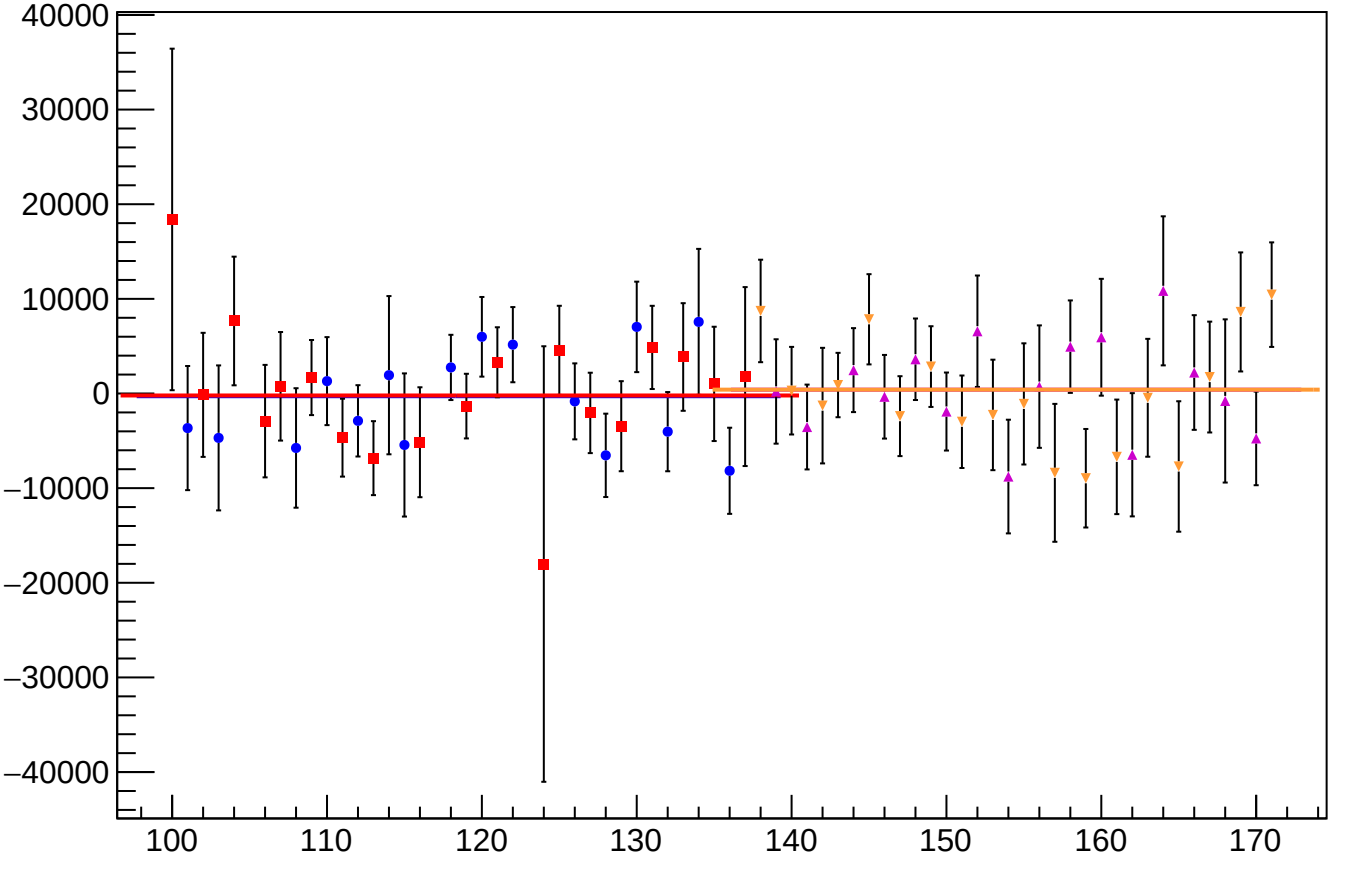
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3216.518+/-0.547 χ^2/NDF:6065638.1/31

Out: 3031.397+/-0.502 χ^2/NDF:6628422.1/36

All: 3116.135+/-0.370 χ^2/NDF: 12756228.9/6

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: 400.202+/-1327.561 χ^2/NDF:11.1/15

Left: 403.439+/-901.917 χ^2/NDF: 30.0/33

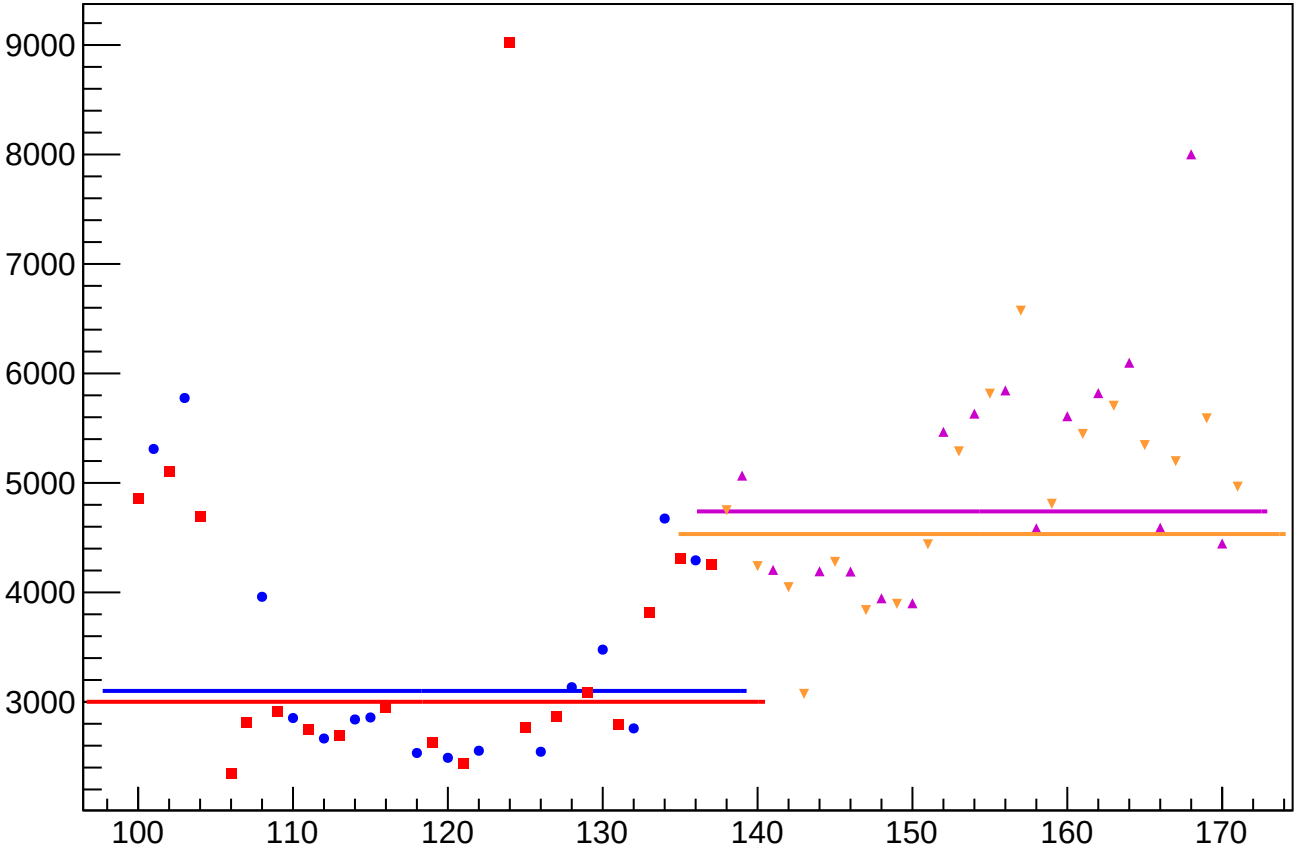
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: 21.100+/-889.131 χ^2/NDF:27.8/31

Out: 78.912+/-841.207 χ^2/NDF:31.9/36

All: 51.606+/-611.063 χ^2/NDF: 59.7/68

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: 4739.667+/-0.939 χ^2/NDF:831263.7/15

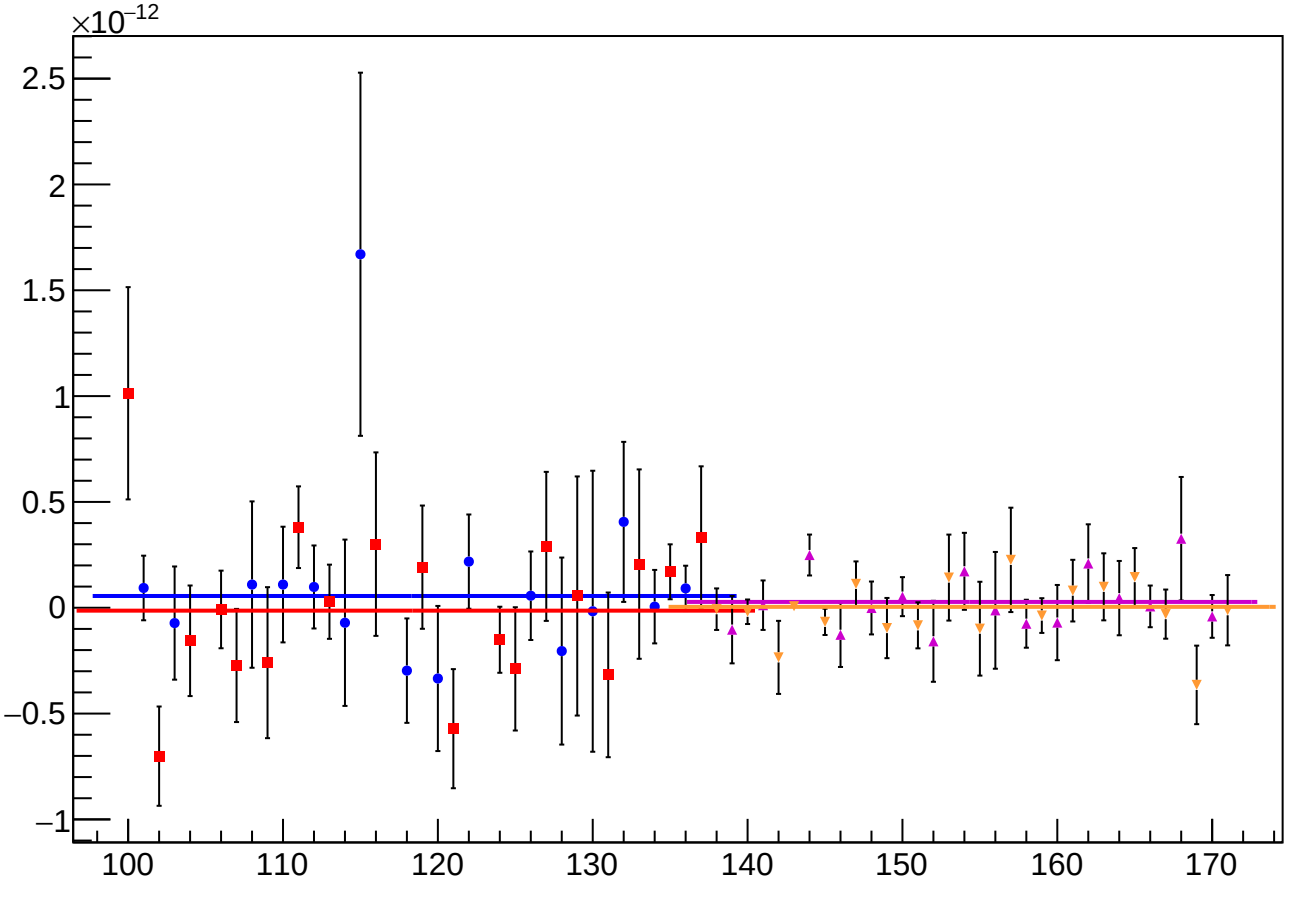
Left: 4628.360+/-0.638 χ^2/NDF: 1869833.4/33

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3835.565+/-0.629 χ^2/NDF:3477059.6/31

Out: 3708.064+/-0.591 χ^2/NDF:3492246.6/36

All: 3767.824+/-0.430 χ^2/NDF: 6991156.6/68



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:12.4/15

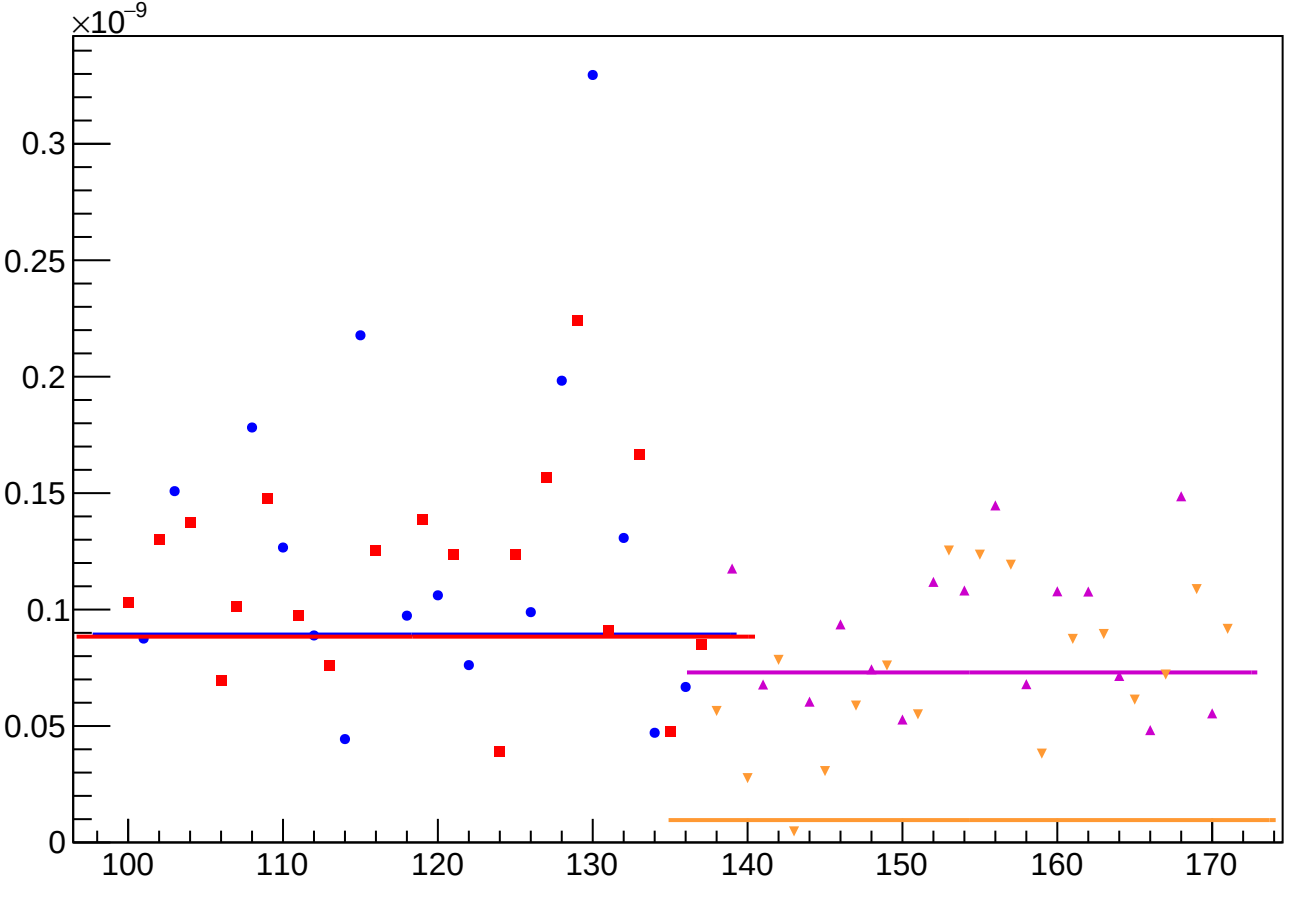
Left: 0.000+/-0.000 χ^2/NDF: 26.0/33

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:21.9/31

Out: 0.000+/-0.000 χ^2/NDF:43.3/36

All: 0.000+/-0.000 χ^2/NDF: 66.2/68



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:1093029.7/15

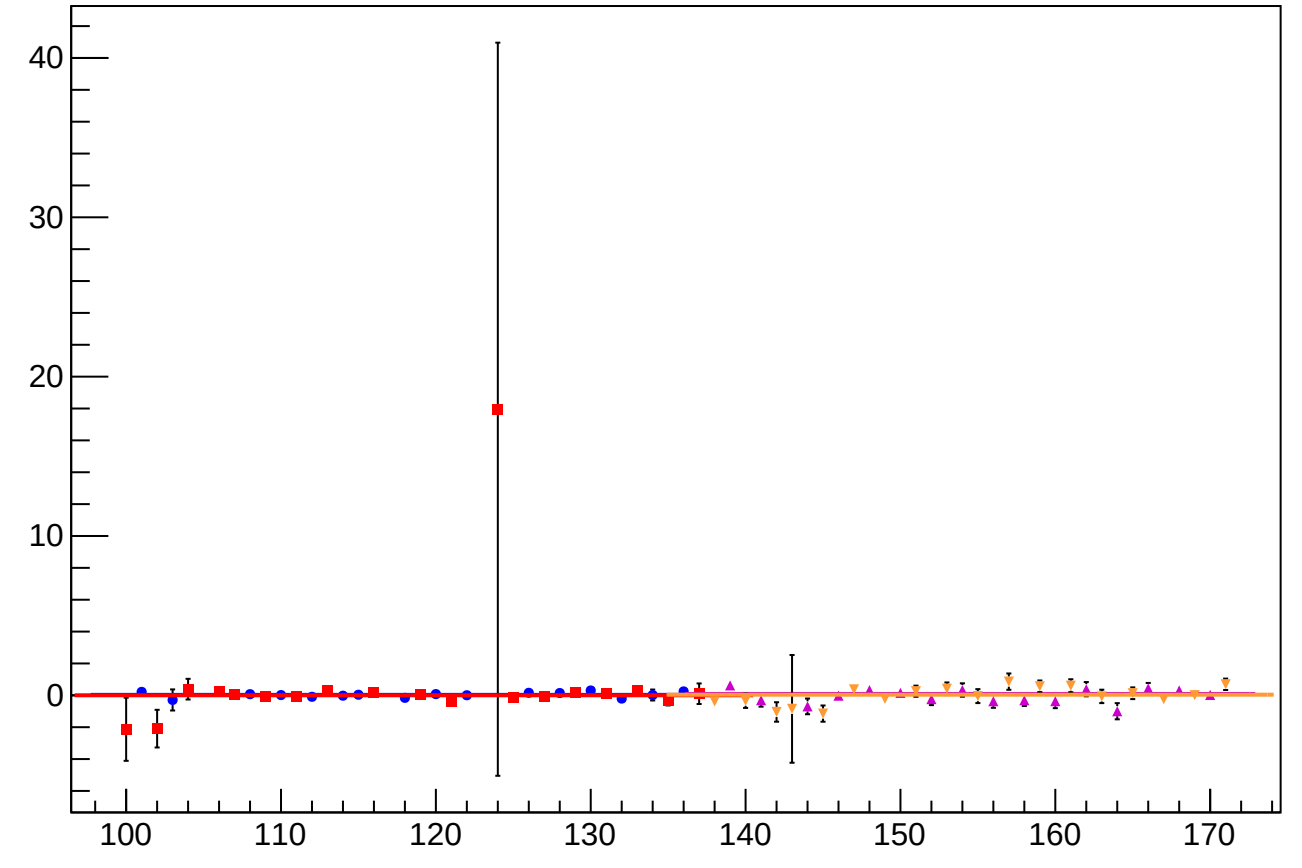
Left: 0.000+/-0.000 χ^2/NDF: 15703248.5/33

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2165641.1/31

Out: 0.000+/-0.000 χ^2/NDF:12734741.2/36

All: 0.000+/-0.000 χ^2/NDF: 24583169.3/68



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: 0.086+/-0.080 χ^2/NDF:21.1/15

Left: 0.063+/-0.057 χ^2/NDF: 47.5/33

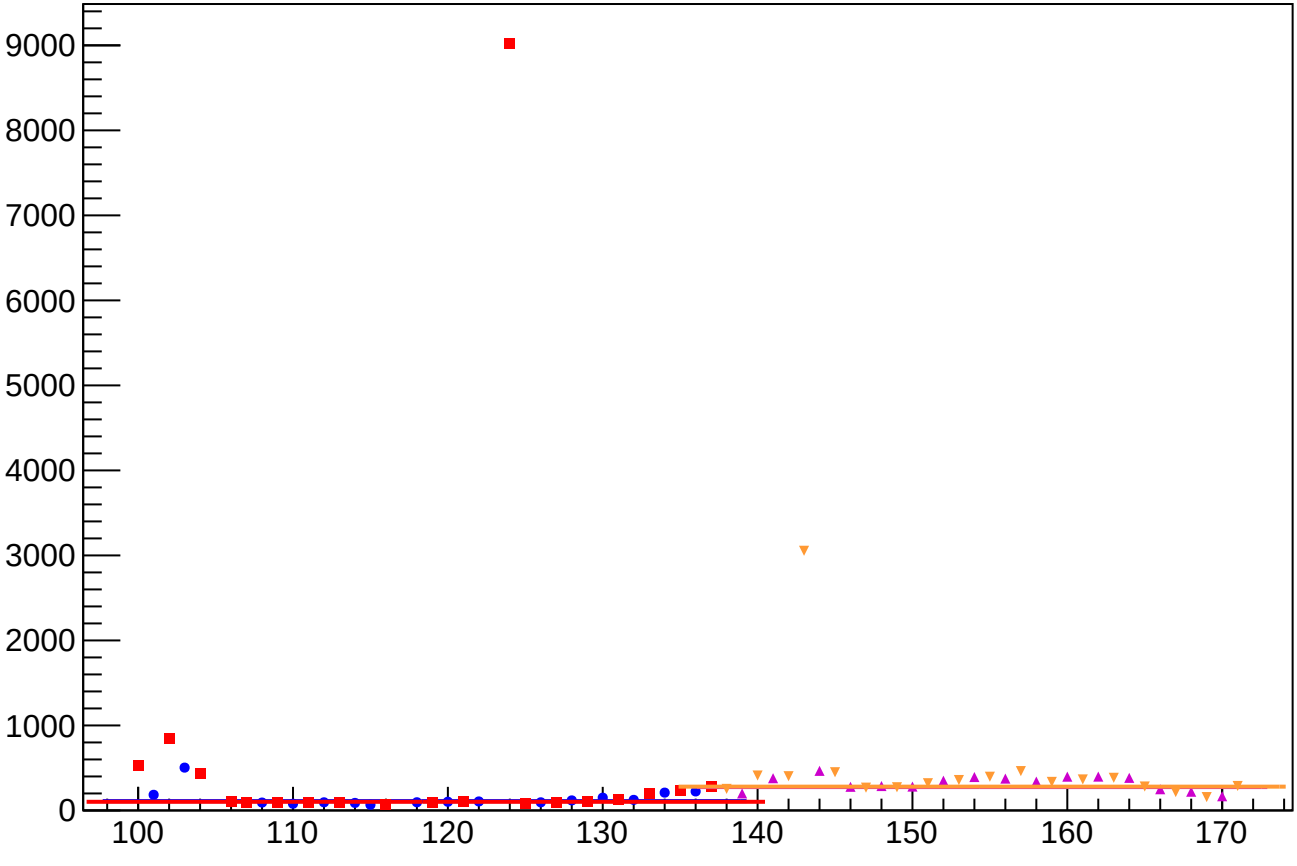
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/68

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: 275.115+/-0.057 χ^2/NDF:2225464.1/15

Left: 277.591+/-0.040 χ^2/NDF: 5940513.5/33

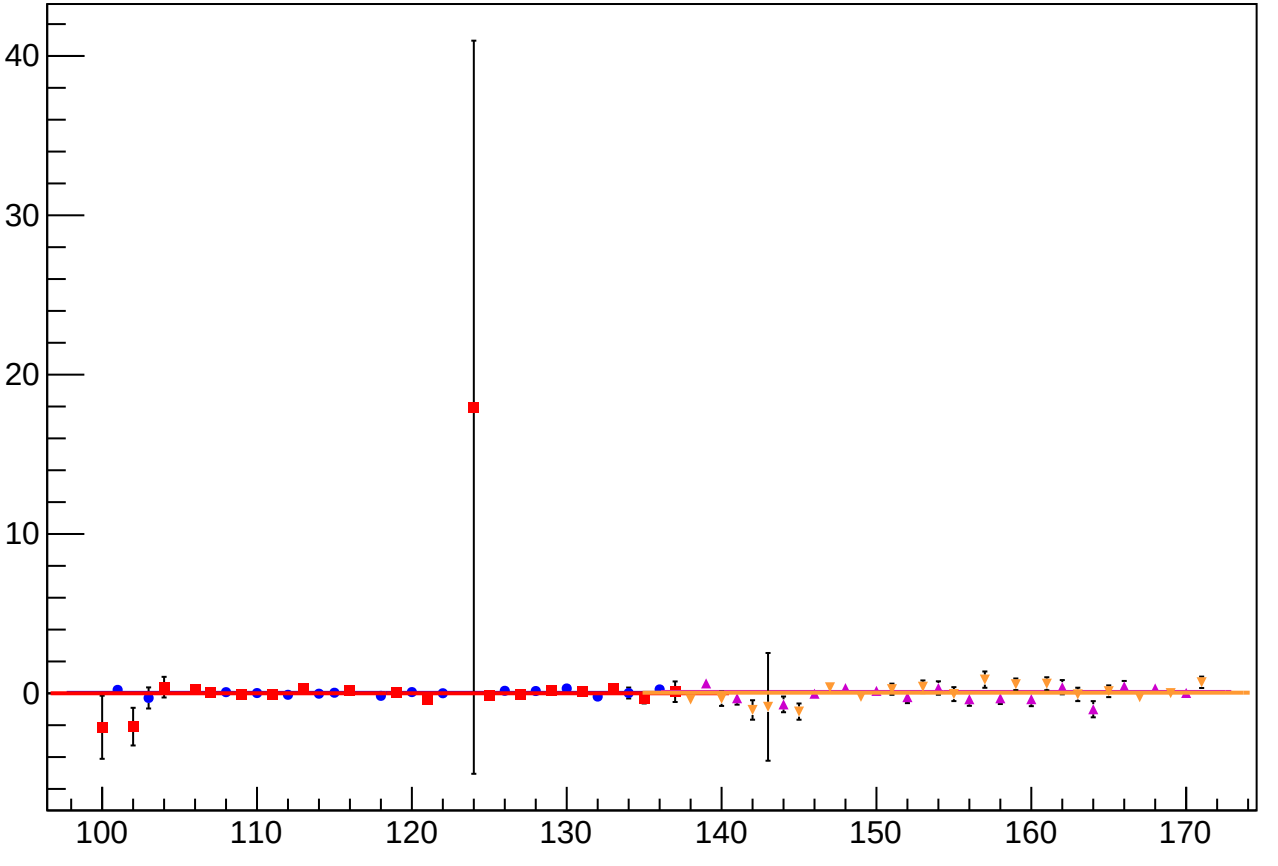
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 149.883+/-0.028 χ^2/NDF:10576289.6/31

Out: 141.696+/-0.027 χ^2/NDF:13852364.2/36

All: 145.660+/-0.019 χ^2/NDF: 24473086.0/68

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: 0.086+/-0.080 χ^2/NDF:21.1/15

Left: 0.063+/-0.057 χ^2/NDF: 47.5/33

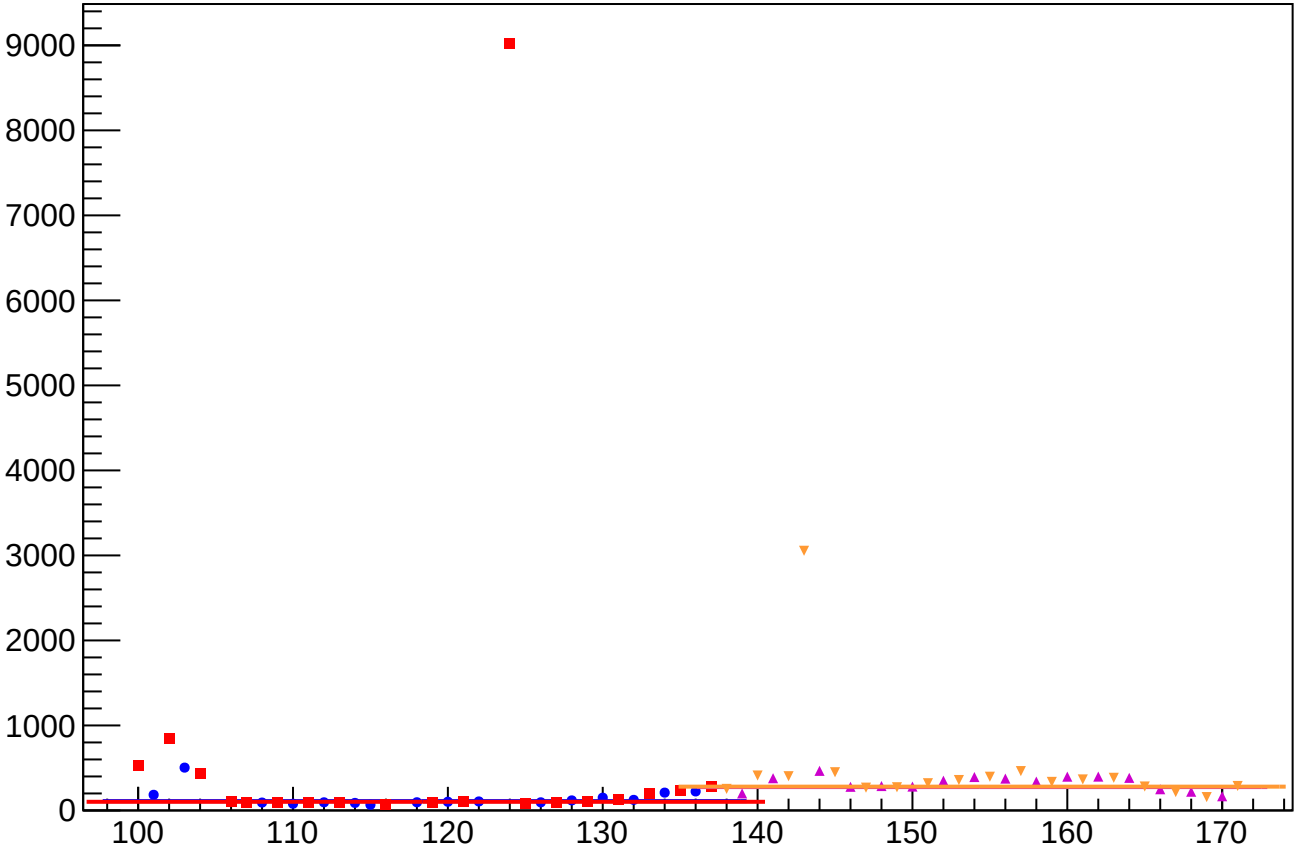
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/68

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: 275.115+/-0.057 χ^2/NDF:2225464.1/15

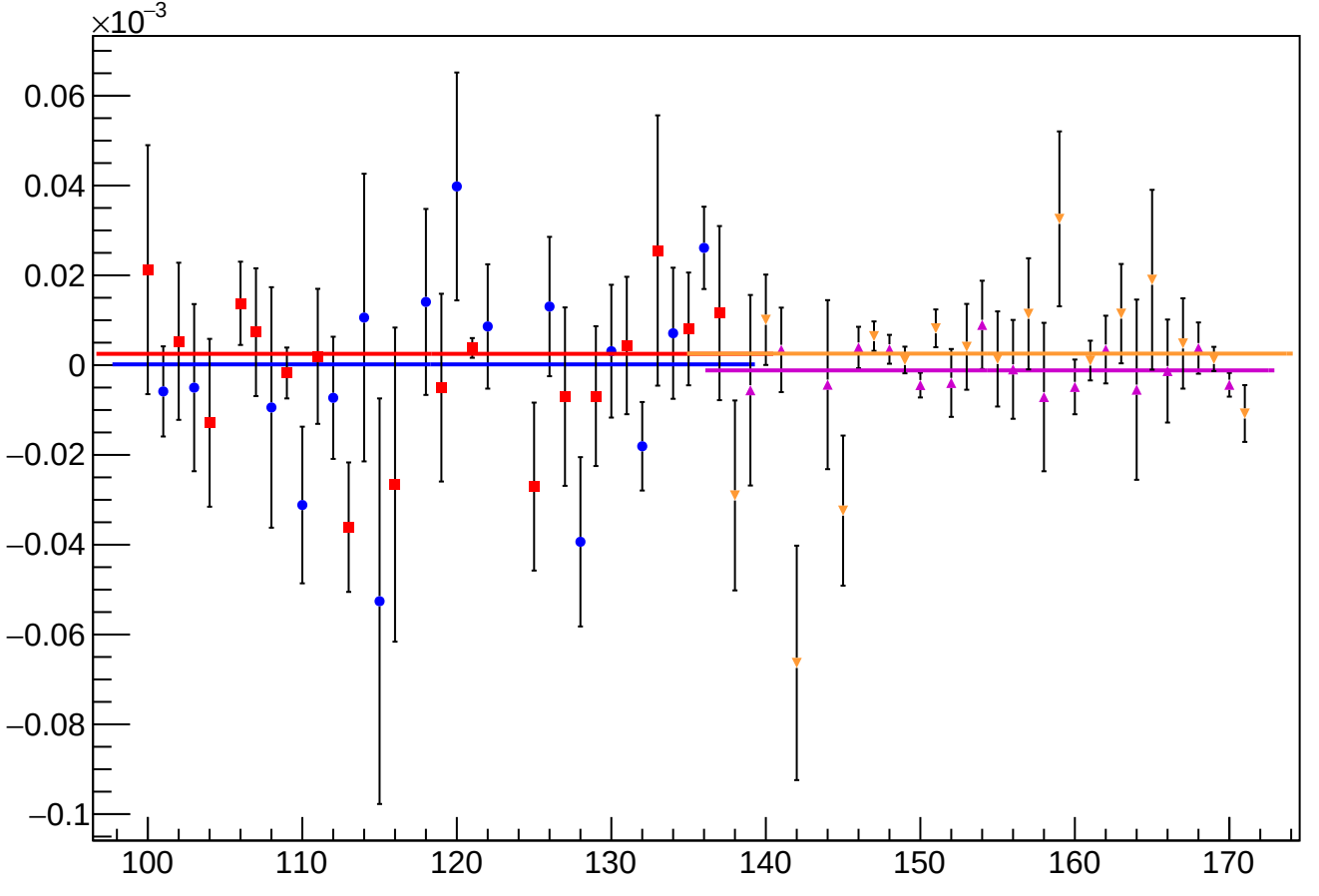
Left: 277.591+/-0.040 χ^2/NDF: 5940513.5/33

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 149.883+/-0.028 χ^2/NDF:10576289.6/31

Out: 141.696+/-0.027 χ^2/NDF:13852364.2/36

All: 145.660+/-0.019 χ^2/NDF: 24473086.0/68



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:9.4/15

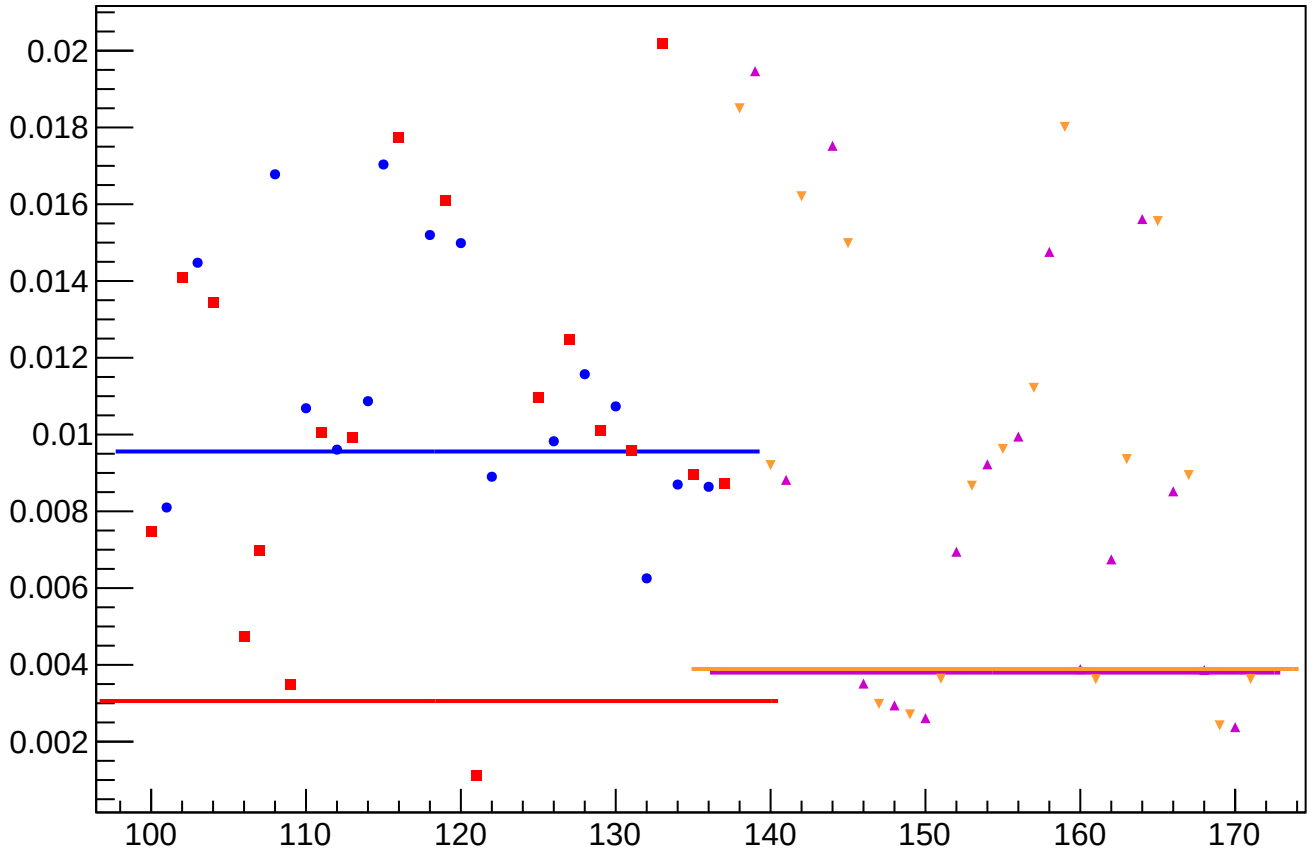
Left: 0.000+/-0.000 χ^2/NDF: 39.9/32

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

In: -0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:42.4/34

All: 0.000+/-0.000 χ^2/NDF: 82.1/66



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:7616166.4/15

Left: 0.004+/-0.000 χ^2/NDF: 16048667.6/32

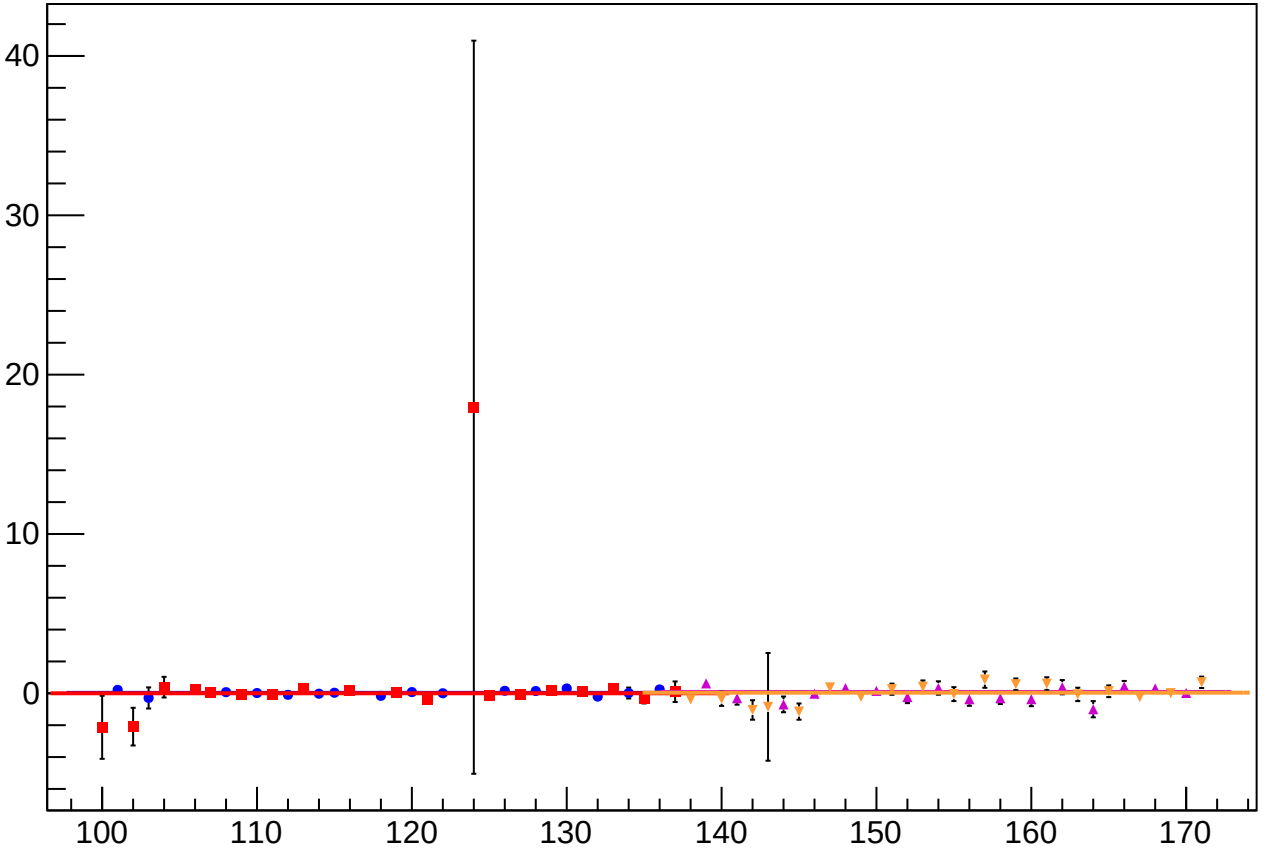
Right: 0.004+/-0.000 χ^2/NDF: 13944710.4/33

In: 0.004+/-0.000 χ^2/NDF:12768000.0/31

Out: 0.004+/-0.000 χ^2/NDF:16818250.1/34

All: 0.004+/-0.000 χ^2/NDF: 30117685.3/66

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: 0.086+/-0.080 χ^2/NDF:21.1/15

Left: 0.063+/-0.057 χ^2/NDF: 47.5/33

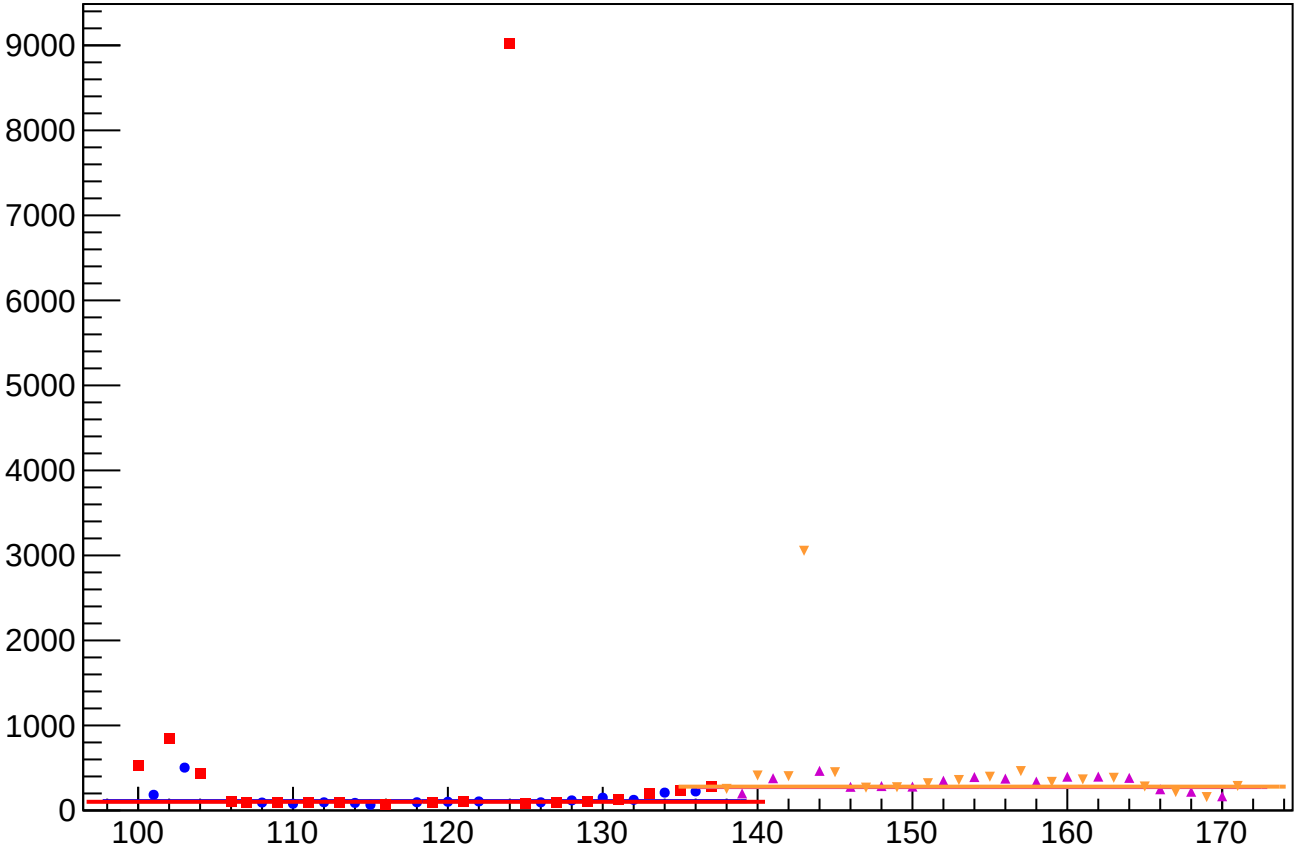
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/68

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: 275.118+/-0.057 χ^2/NDF:2225466.1/15

Left: 277.594+/-0.040 χ^2/NDF: 5940594.5/33

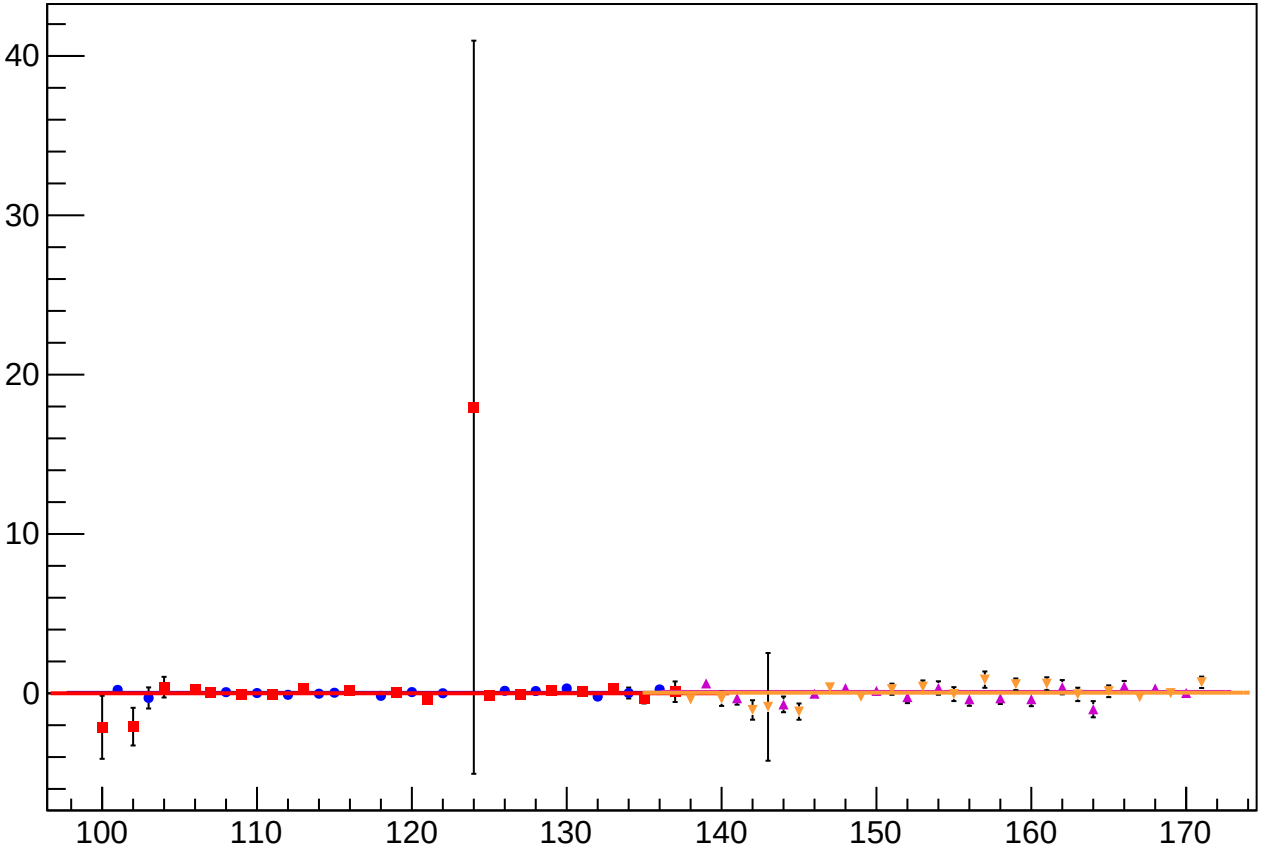
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 149.884+/-0.028 χ^2/NDF:10576288.4/31

Out: 141.698+/-0.027 χ^2/NDF:13852303.5/36

All: 145.661+/-0.019 χ^2/NDF: 24473019.5/68

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: 0.086+/-0.080 χ^2/NDF:21.1/15

Left: 0.063+/-0.057 χ^2/NDF: 47.5/33

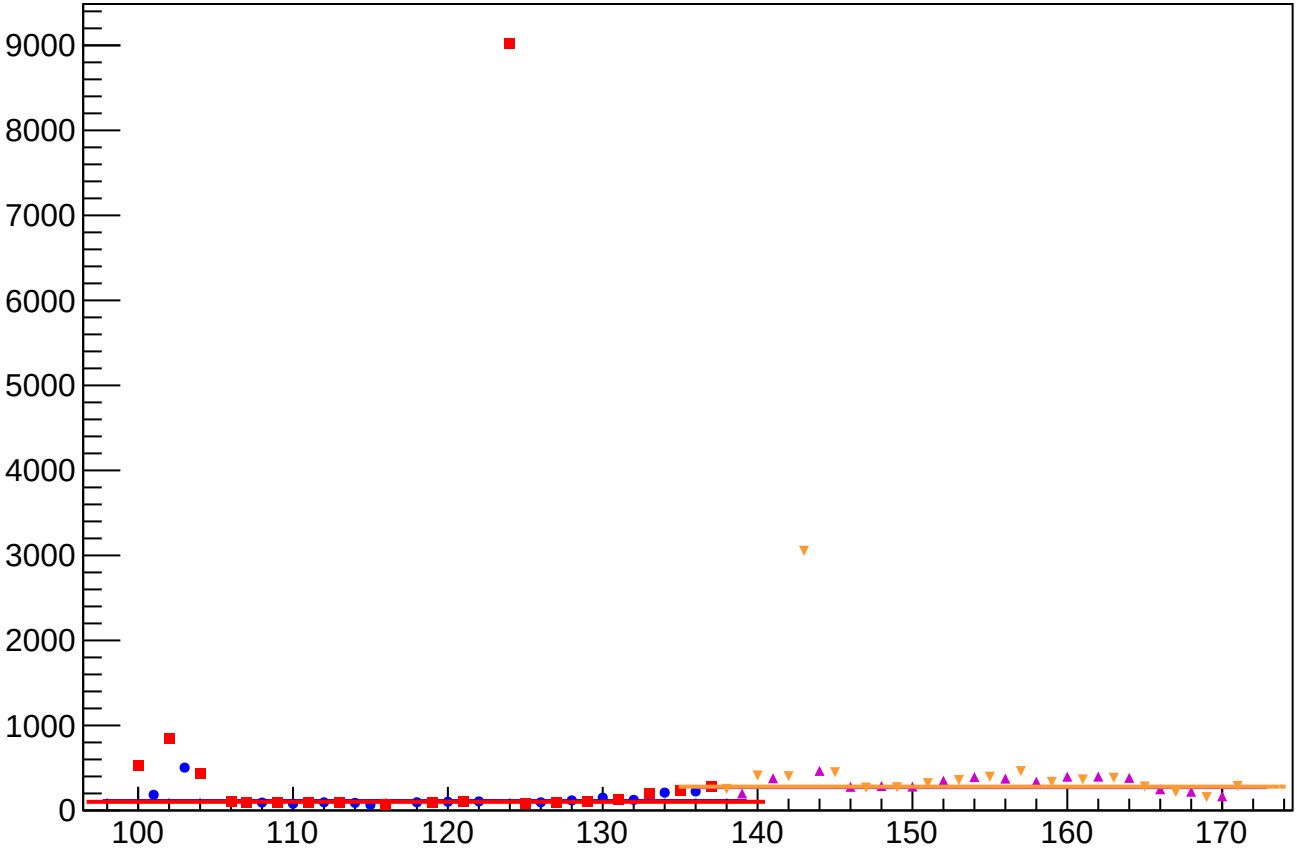
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.042+/-0.039 χ^2/NDF:30.3/31

Out: 0.012+/-0.038 χ^2/NDF:48.8/36

All: 0.026+/-0.027 χ^2/NDF: 79.5/68

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: 275.118+/-0.057 χ^2/NDF:2225466.1/15

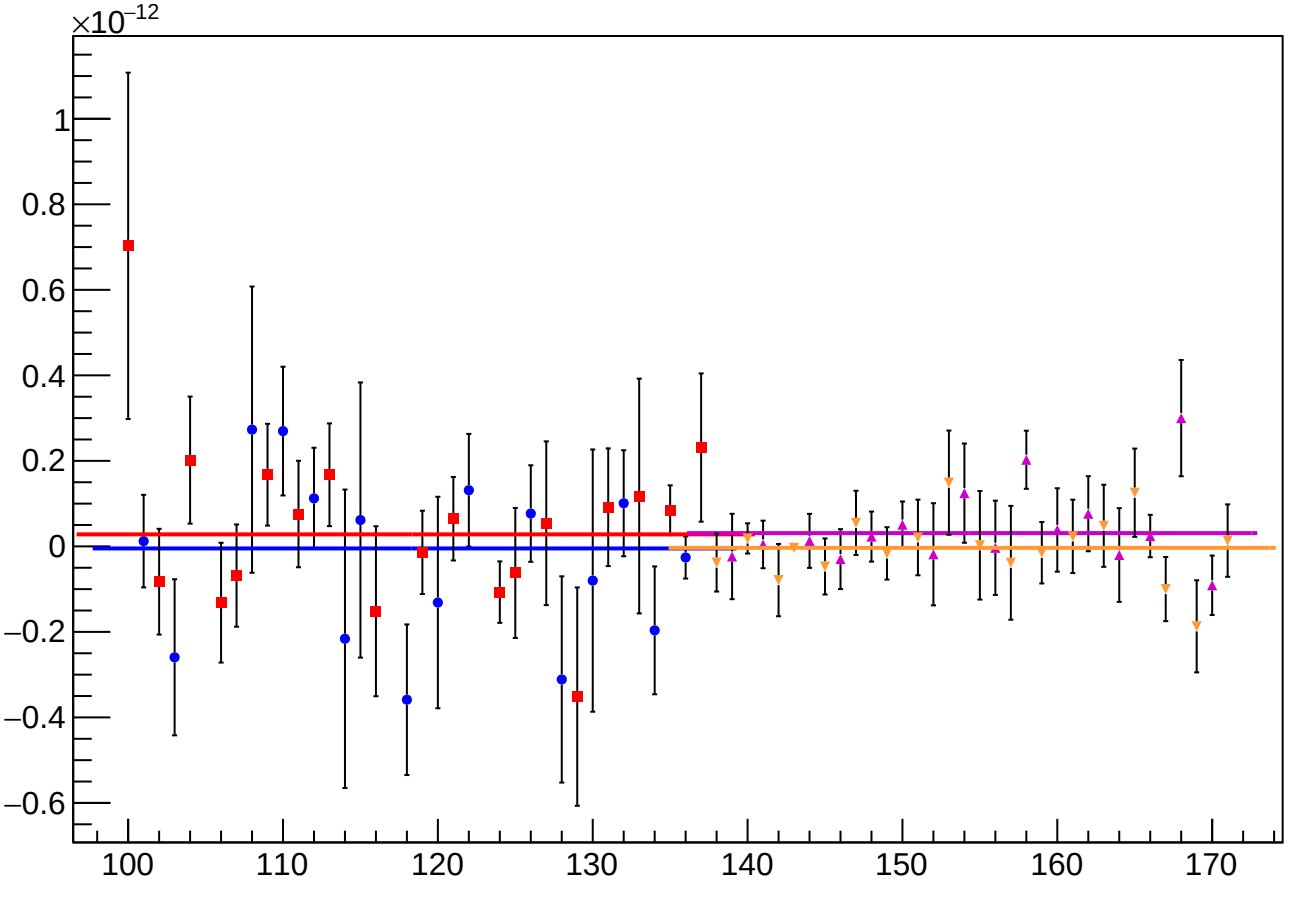
Left: 277.594+/-0.040 χ^2/NDF: 5940594.5/33

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 149.884+/-0.028 χ^2/NDF:10576288.4/31

Out: 141.698+/-0.027 χ^2/NDF:13852303.5/36

All: 145.661+/-0.019 χ^2/NDF: 24473019.5/68



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:16.3/15

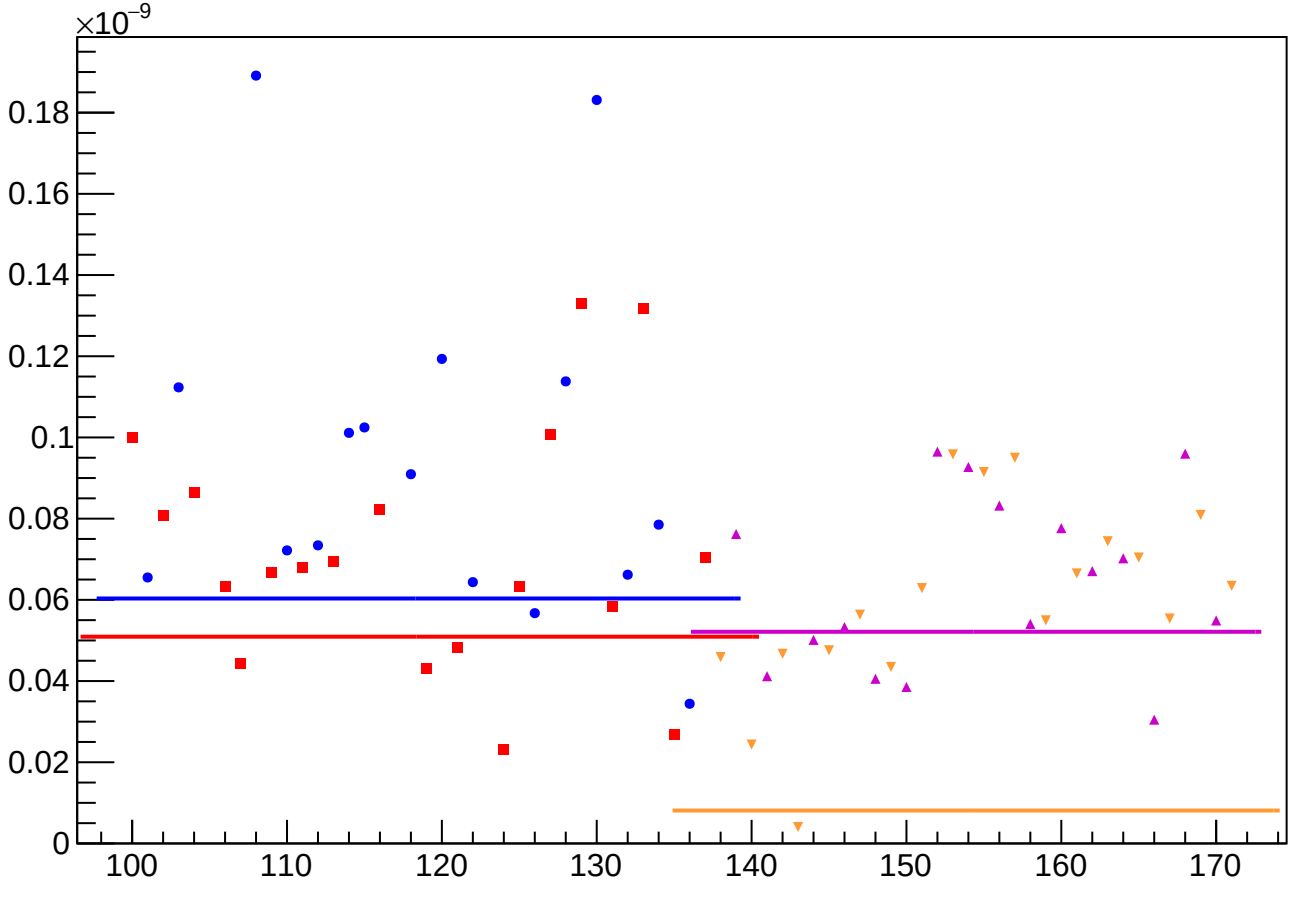
Left: -0.000+/-0.000 χ^2/NDF: 30.4/33

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:34.8/31

Out: -0.000+/-0.000 χ^2/NDF:31.8/36

All: 0.000+/-0.000 χ^2/NDF: 68.6/68



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:1923009.2/15

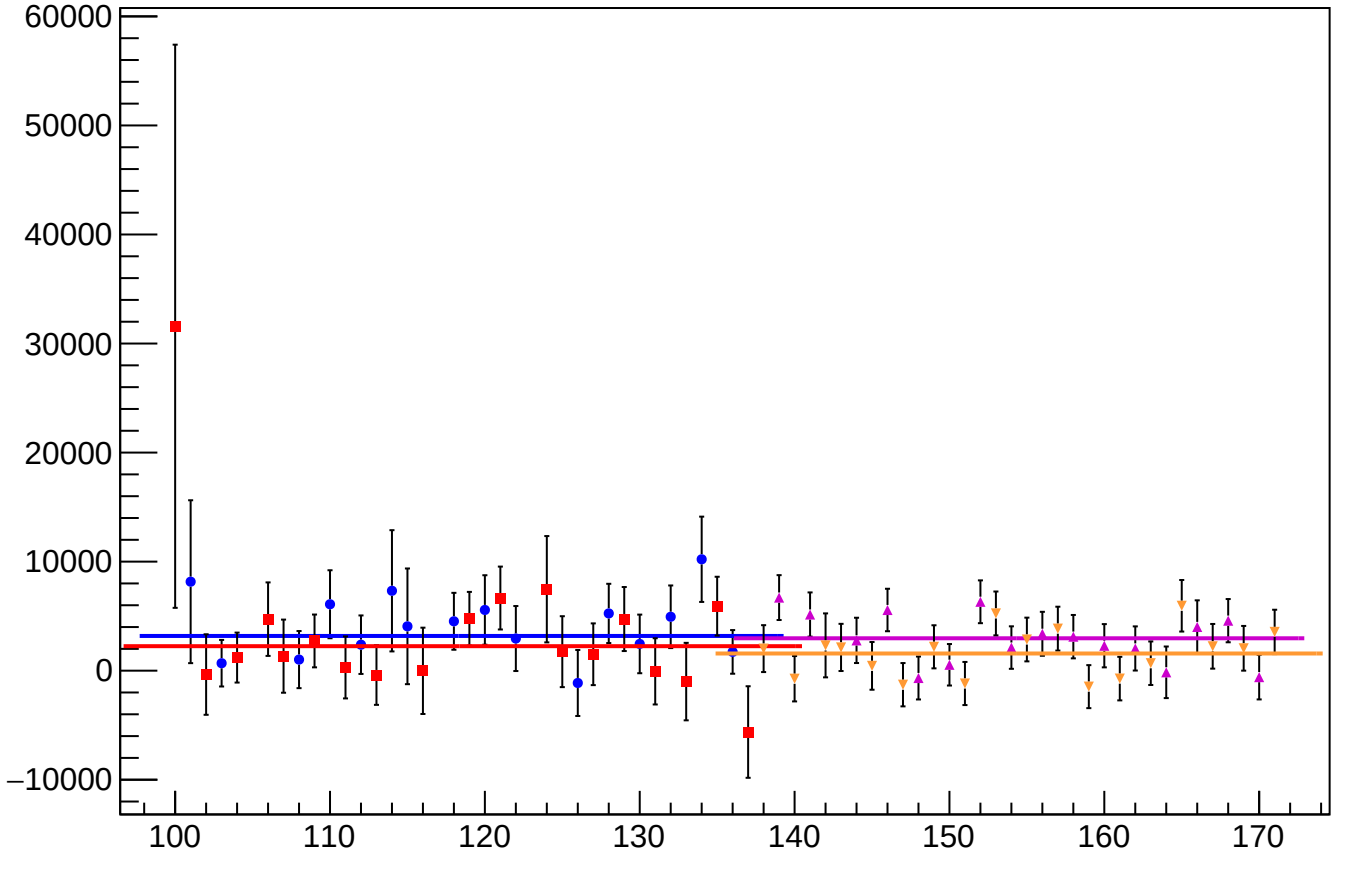
Left: 0.000+/-0.000 χ^2/NDF: 26694081.5/33

Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3768844.5/31

Out: 0.000+/-0.000 χ^2/NDF:20706153.0/36

All: 0.000+/-0.000 χ^2/NDF: 38506883.7/68



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: 2970.267+/-508.356 χ^2/NDF:20.4/15

Left: 2248.188+/-353.088 χ^2/NDF: 43.5/33

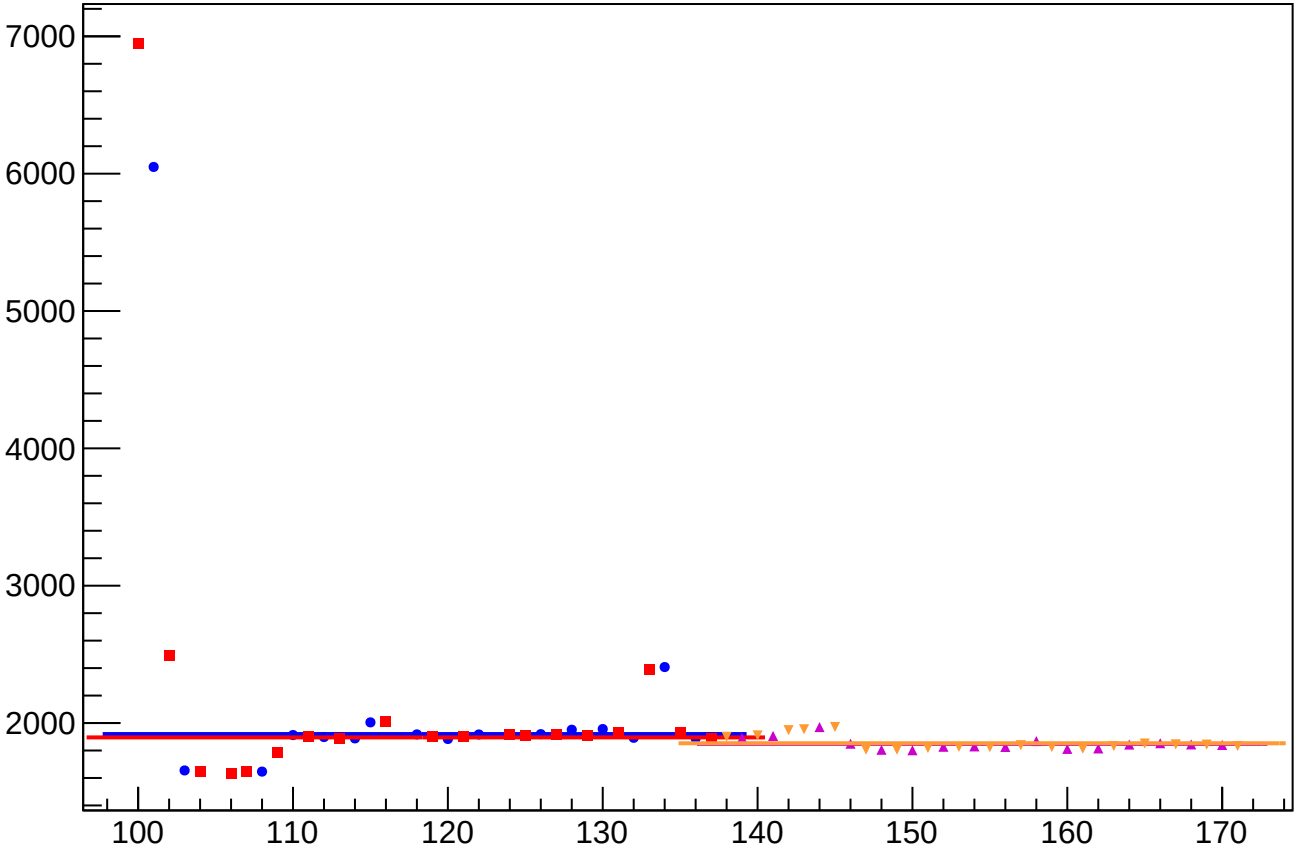
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3039.825+/-417.381 χ^2/NDF:32.1/31

Out: 1791.697+/-403.891 χ^2/NDF:36.4/36

All: 2395.265+/-290.246 χ^2/NDF: 73.1/68

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: 1847.989+/-0.359 χ^2/NDF:13754.9/15

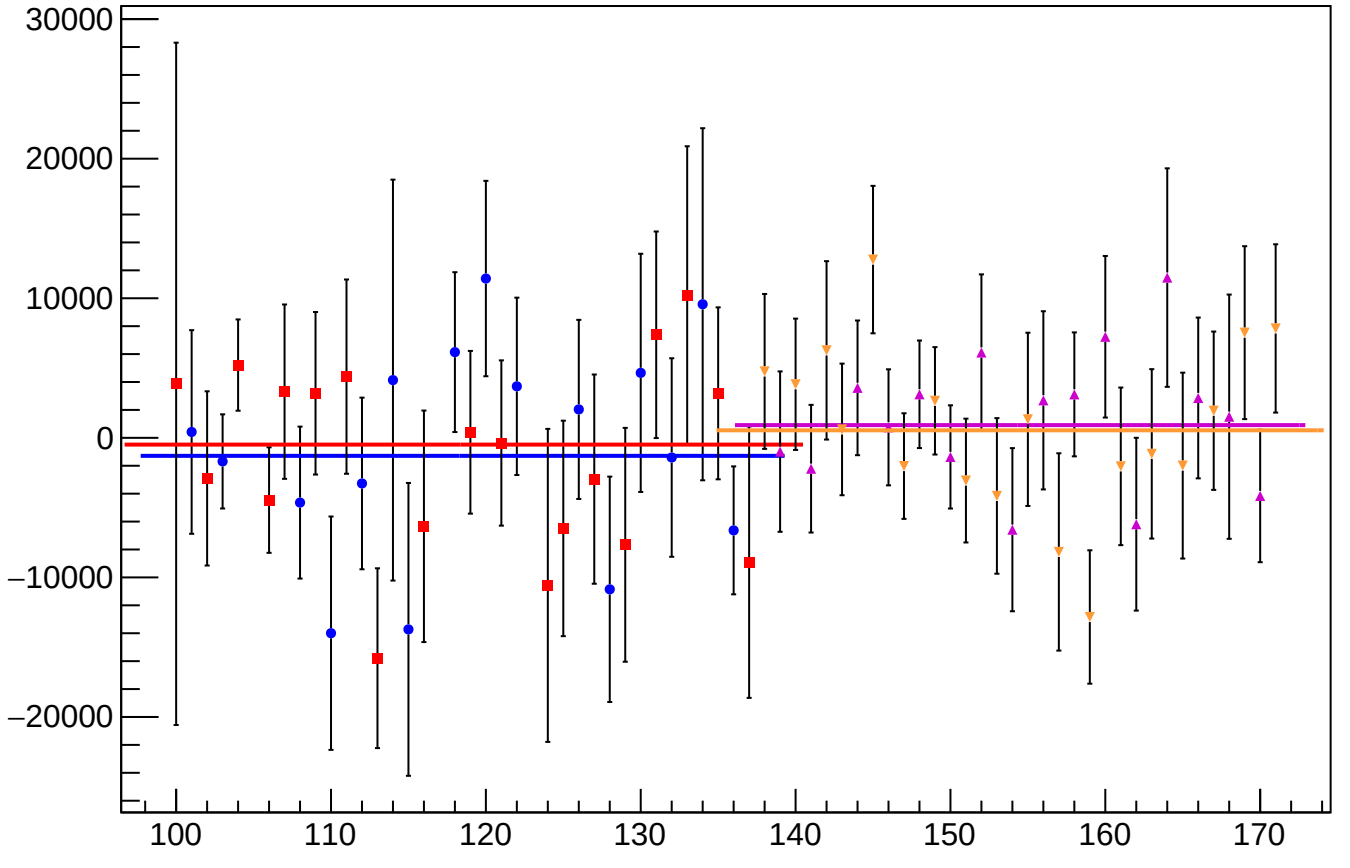
Left: 1850.401+/-0.250 χ^2/NDF: 34026.7/33

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1871.400+/-0.295 χ^2/NDF:724102.5/31

Out: 1866.501+/-0.285 χ^2/NDF:247370.6/36

All: 1868.867+/-0.205 χ^2/NDF: 971615.6/68



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: 911.610+/-1274.400 χ^2/NDF:10.0/15

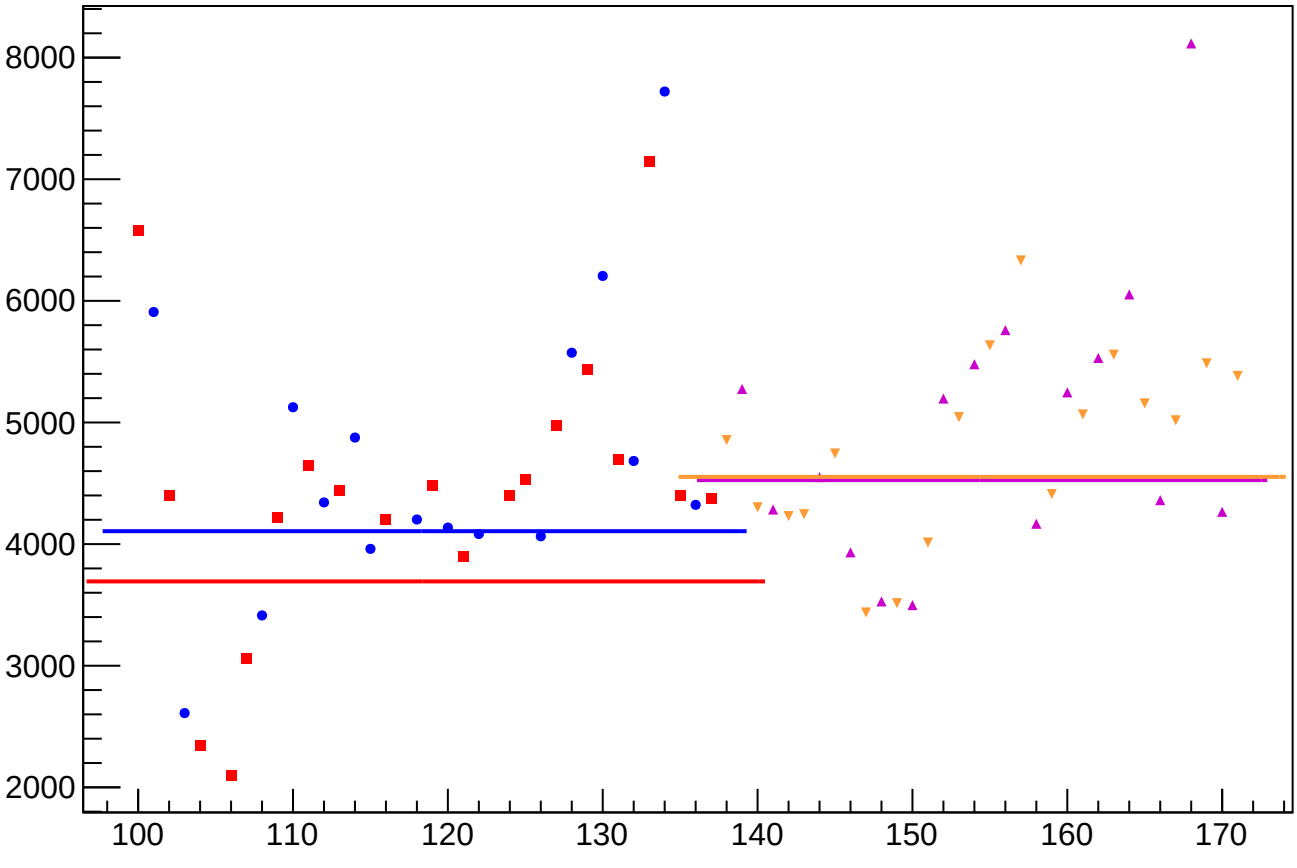
Left: 719.136+/-885.729 χ^2/NDF: 32.0/33

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: 47.256+/-993.287 χ^2/NDF:25.4/31

Out: 105.466+/-935.397 χ^2/NDF:39.5/36

All: 78.107+/-680.972 χ^2/NDF: 65.0/68



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4552.905+/-0.871 χ^2/NDF:766160.5/17

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4525.994+/-0.901 χ^2/NDF:1042782.3/15

Left: 4539.906+/-0.626 χ^2/NDF: 1809403.8/33

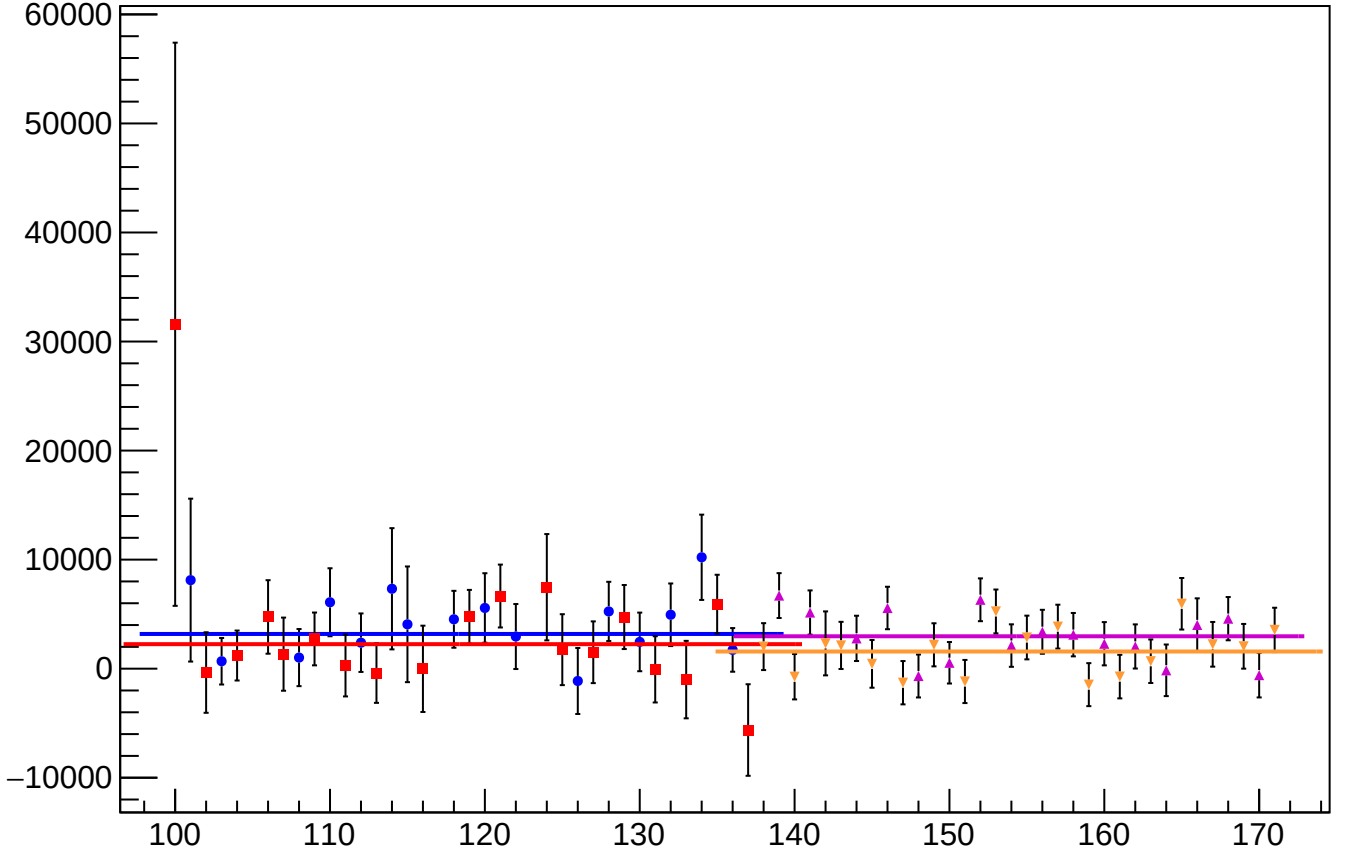
Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

In: 4361.197+/-0.702 χ^2/NDF:2084117.9/31

Out: 4188.895+/-0.661 χ^2/NDF:2535193.1/36

All: 4269.879+/-0.482 χ^2/NDF: 4651206.3/68

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: 2970.252+/-508.356 χ^2/NDF:20.4/15

Left: 2248.115+/-353.088 χ^2/NDF: 43.5/33

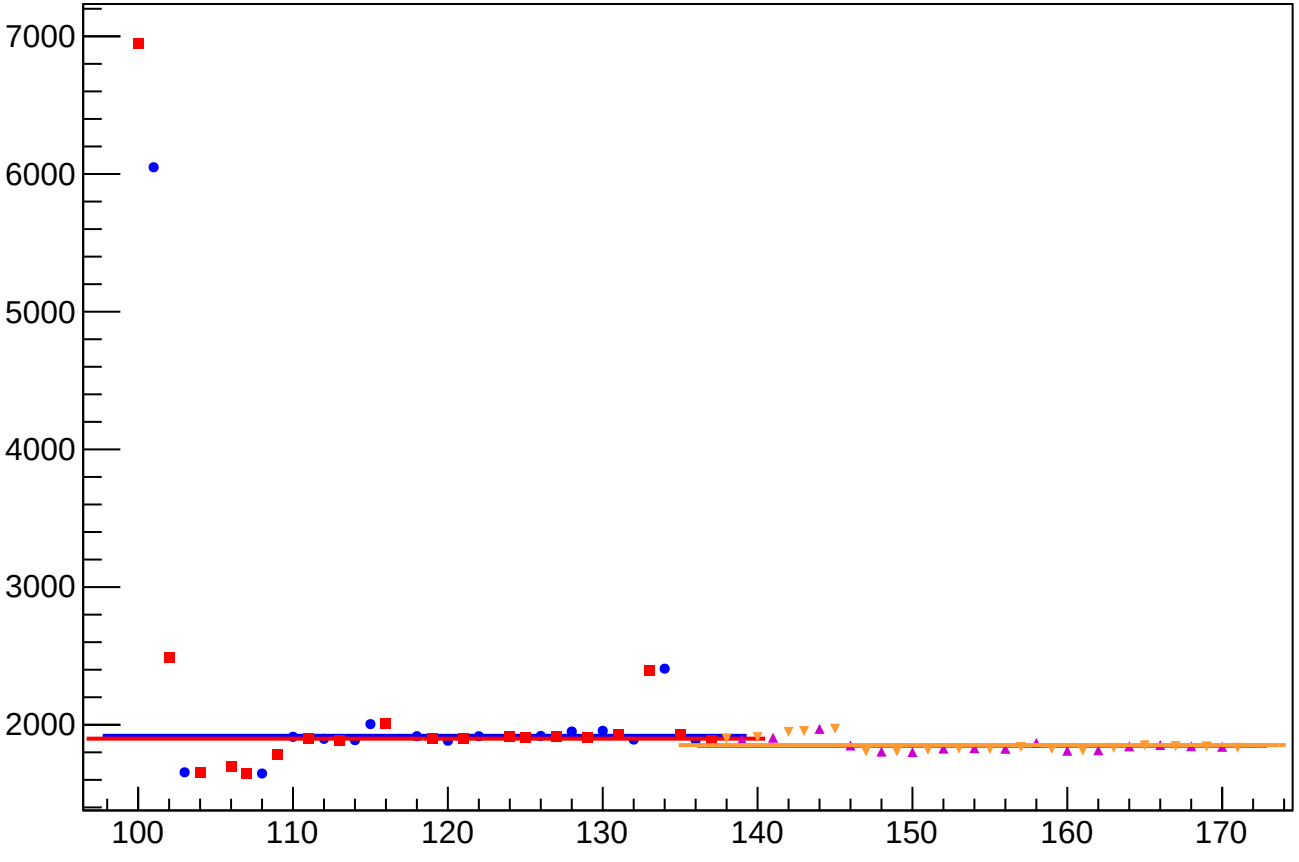
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3039.576+/-417.381 χ^2/NDF:32.1/31

Out: 1791.976+/-403.892 χ^2/NDF:36.4/36

All: 2395.290+/-290.246 χ^2/NDF: 73.1/68

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: 1847.989+/-0.359 χ^2/NDF:13754.9/15

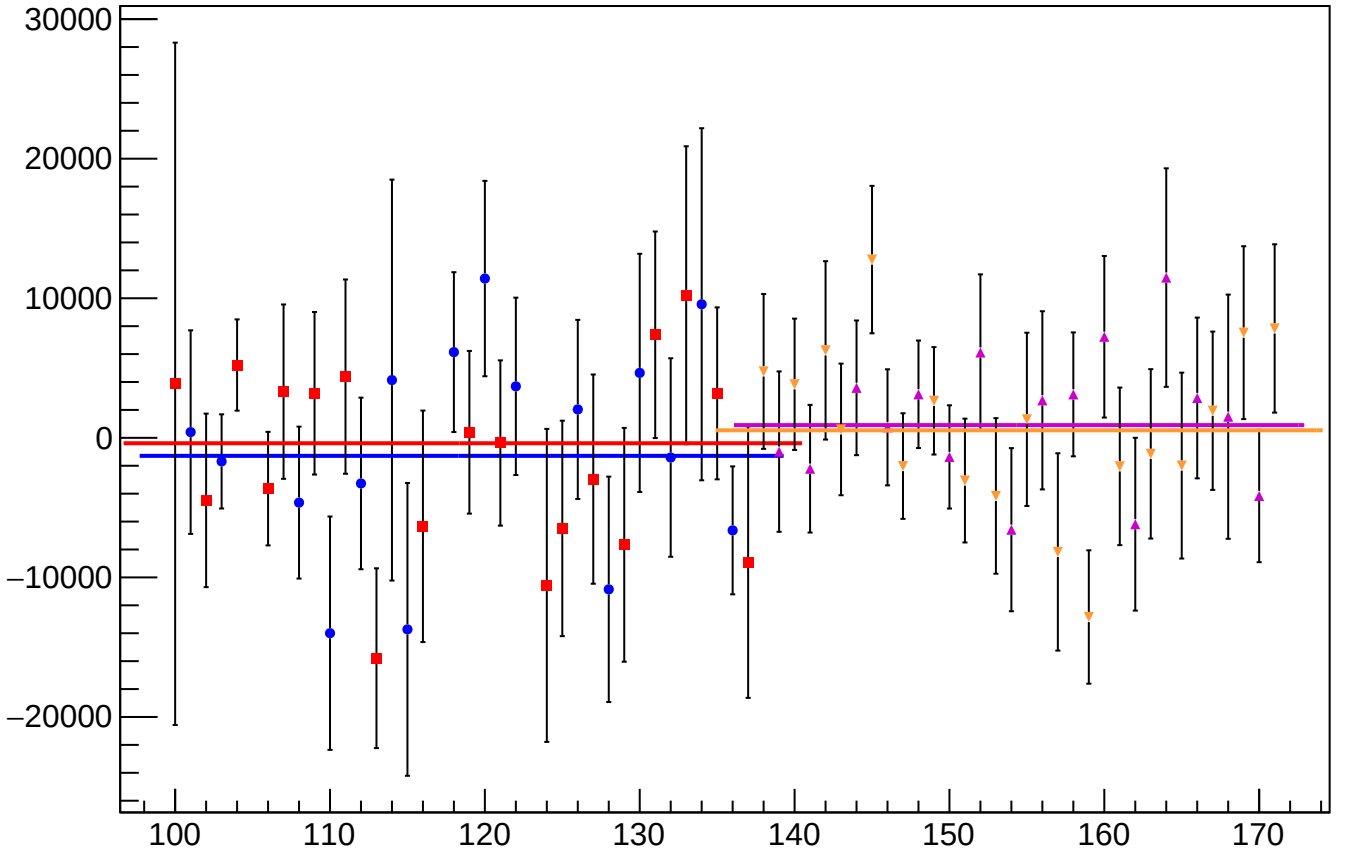
Left: 1850.401+/-0.250 χ^2/NDF: 34026.7/33

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1871.400+/-0.295 χ^2/NDF:724101.8/31

Out: 1867.760+/-0.285 χ^2/NDF:241699.5/36

All: 1869.520+/-0.205 χ^2/NDF: 965879.9/68



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 539.253+/-1231.898 χ^2/NDF:22.0/17

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 911.632+/-1274.401 χ^2/NDF:10.0/15

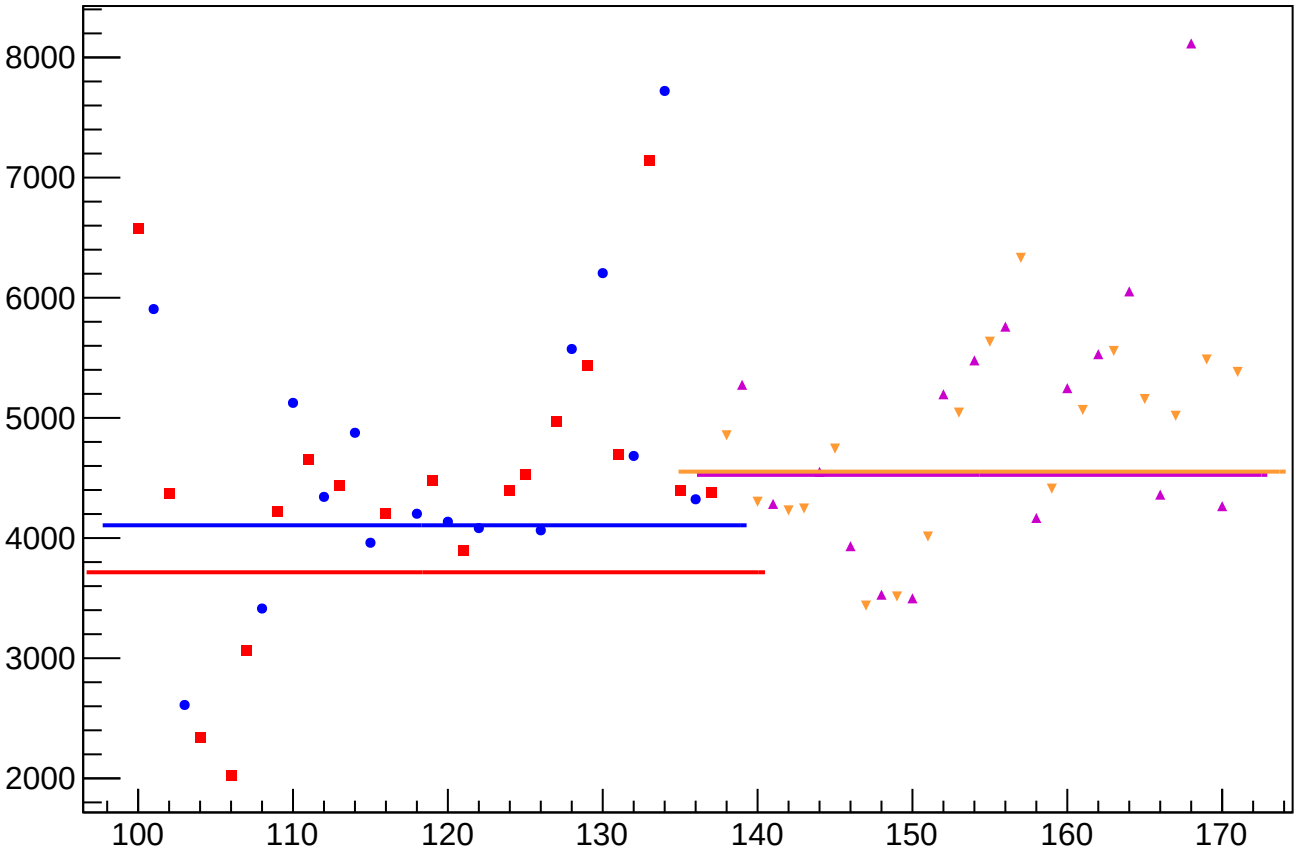
Left: 719.129+/-885.728 χ^2/NDF: 32.0/33

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: 47.127+/-993.287 χ^2/NDF:25.4/31

Out: 151.172+/-939.239 χ^2/NDF:39.2/36

All: 102.057+/-682.450 χ^2/NDF: 64.7/68



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: 4525.995+/-0.901 χ^2/NDF:1042776.1/15

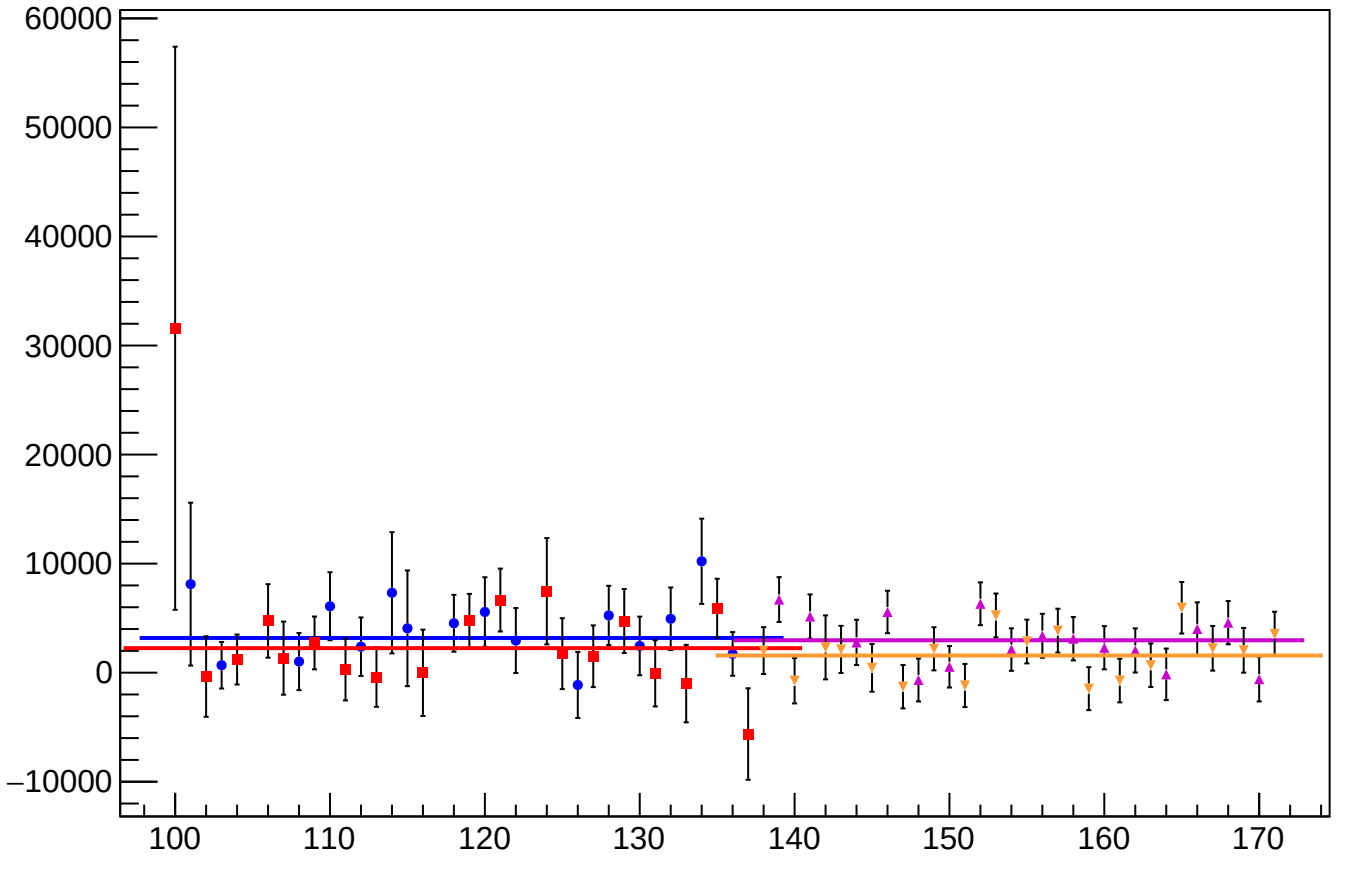
Left: 4539.900+/-0.626 χ^2/NDF: 1809413.4/33

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4361.234+/-0.702 χ^2/NDF:2083575.1/31

Out: 4202.154+/-0.664 χ^2/NDF:2488488.2/36

All: 4277.249+/-0.483 χ^2/NDF: 4599146.4/68



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: 2970.252+/-508.356 χ^2/NDF:20.4/15

Left: 2248.115+/-353.088 χ^2/NDF: 43.5/33

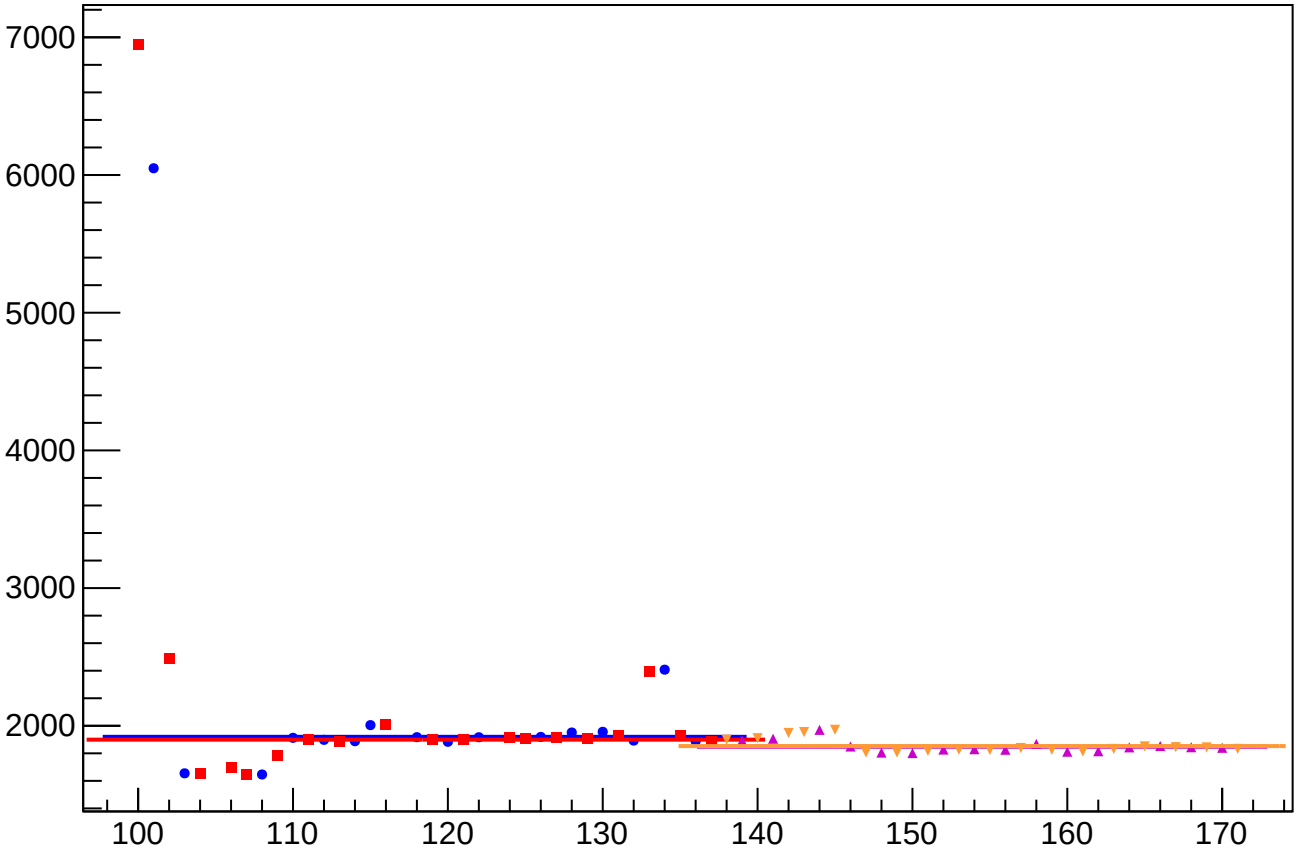
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

In: 3039.576+/-417.381 χ^2/NDF:32.1/31

Out: 1791.976+/-403.892 χ^2/NDF:36.4/36

All: 2395.290+/-290.246 χ^2/NDF: 73.1/68

eigen_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: 1847.989+/-0.359 χ^2/NDF:13754.9/15

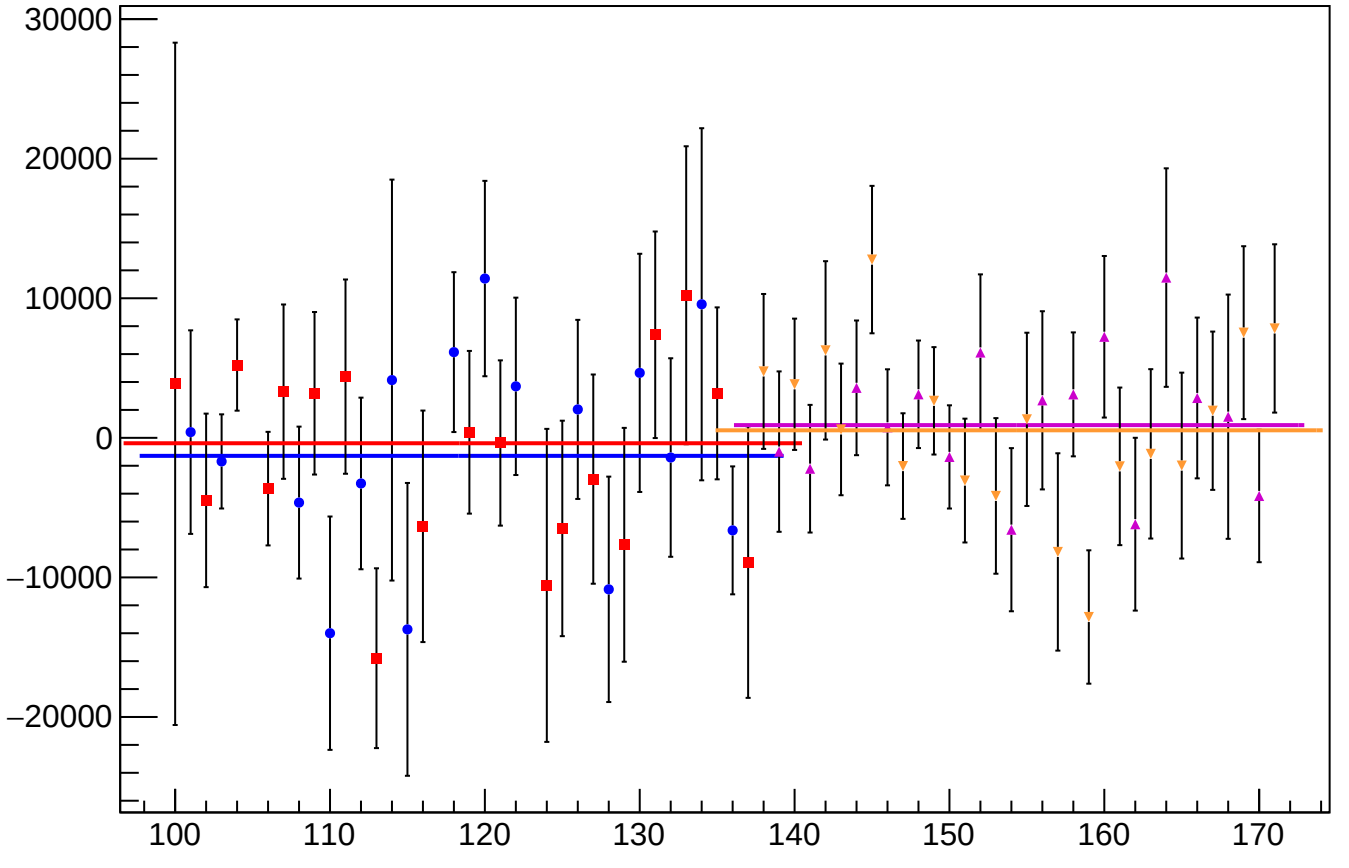
Left: 1850.401+/-0.250 χ^2/NDF: 34026.7/33

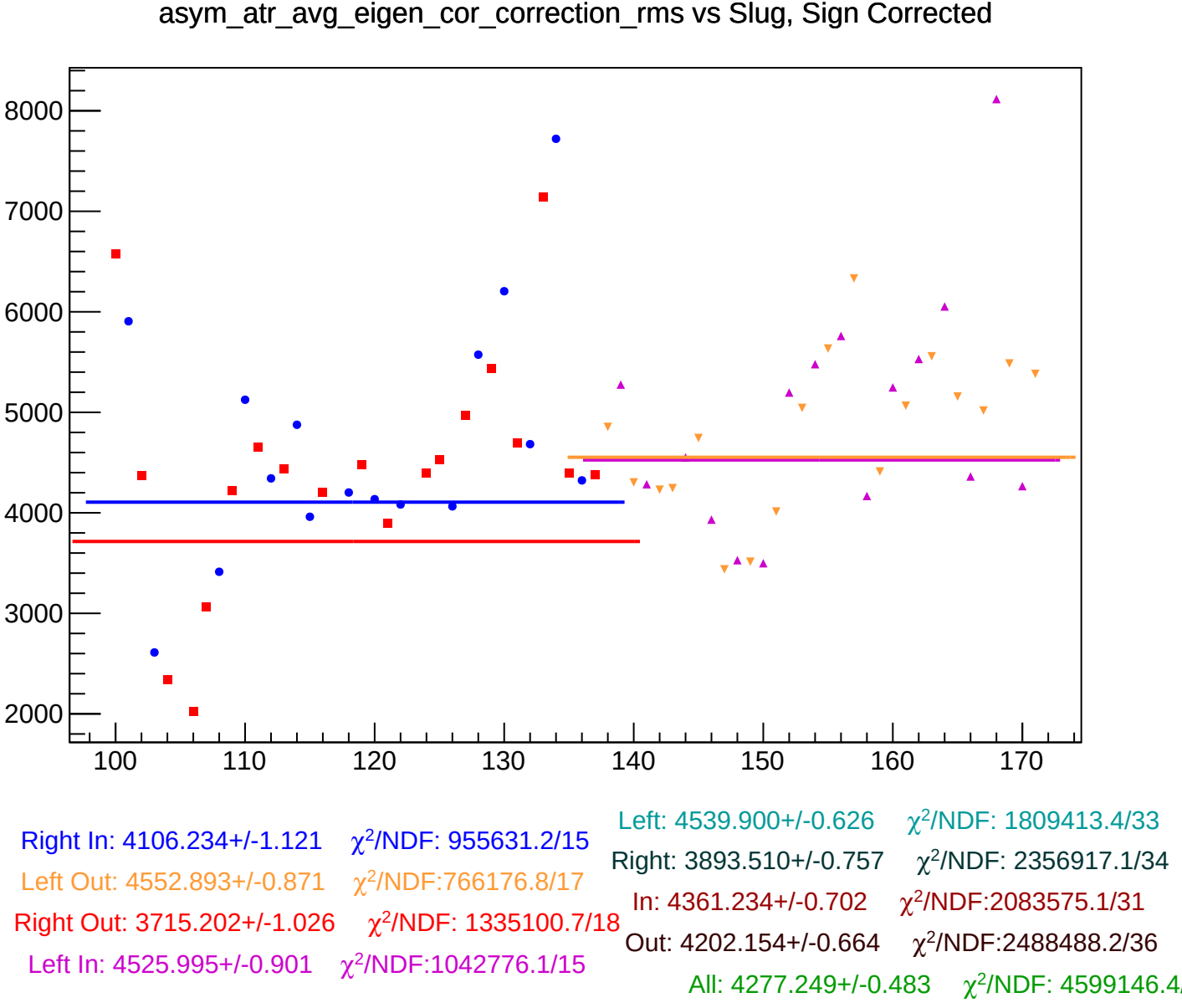
Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1871.400+/-0.295 χ^2/NDF:724101.8/31

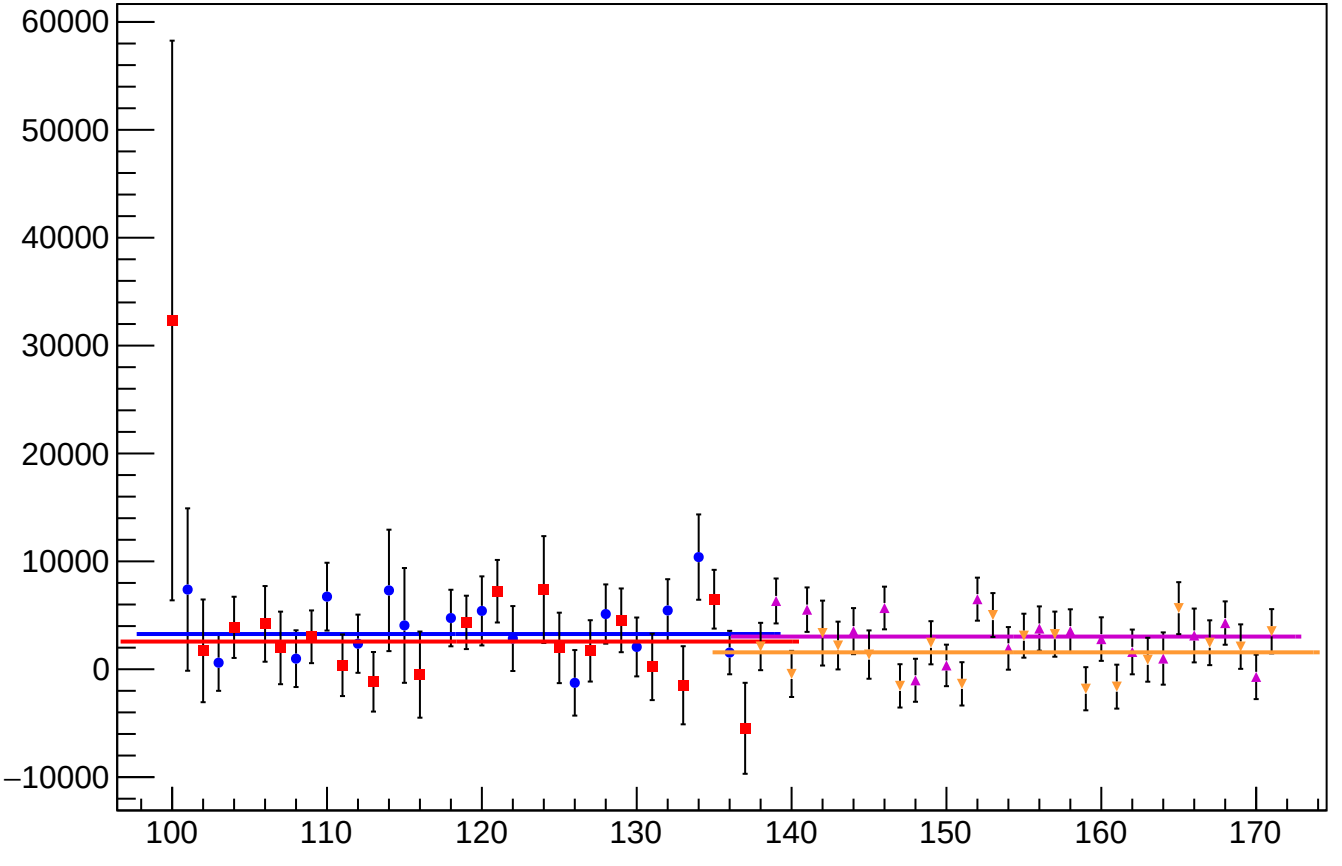
Out: 1867.760+/-0.285 χ^2/NDF:241699.5/36

All: 1869.520+/-0.205 χ^2/NDF: 965879.9/68


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: 911.632+/-1274.401 χ²/NDF:10.0/15
Left: 719.129+/-885.728 χ²/NDF: 32.0/33
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: 47.127+/-993.287 χ²/NDF:25.4/31
Out: 151.172+/-939.239 χ²/NDF:39.2/36
All: 102.057+/-682.450 χ²/NDF: 64.7/68


asym_atr_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 4106.234+/-1.121 χ²/NDF: 955631.2/15
Left Out: 4552.893+/-0.871 χ²/NDF:766176.8/17
Right Out: 3715.202+/-1.026 χ²/NDF: 1335100.7/18
Left In: 4525.995+/-0.901 χ²/NDF:1042776.1/15
Left: 4539.900+/-0.626 χ²/NDF: 1809413.4/33
Right: 3893.510+/-0.757 χ²/NDF: 2356917.1/34
In: 4361.234+/-0.702 χ²/NDF:2083575.1/31
Out: 4202.154+/-0.664 χ²/NDF:2488488.2/36
All: 4277.249+/-0.483 χ²/NDF: 4599146.4/68

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: 3027.881+/-516.766 χ^2/NDF:20.3/15

Left: 2272.992+/-359.187 χ^2/NDF: 44.1/33

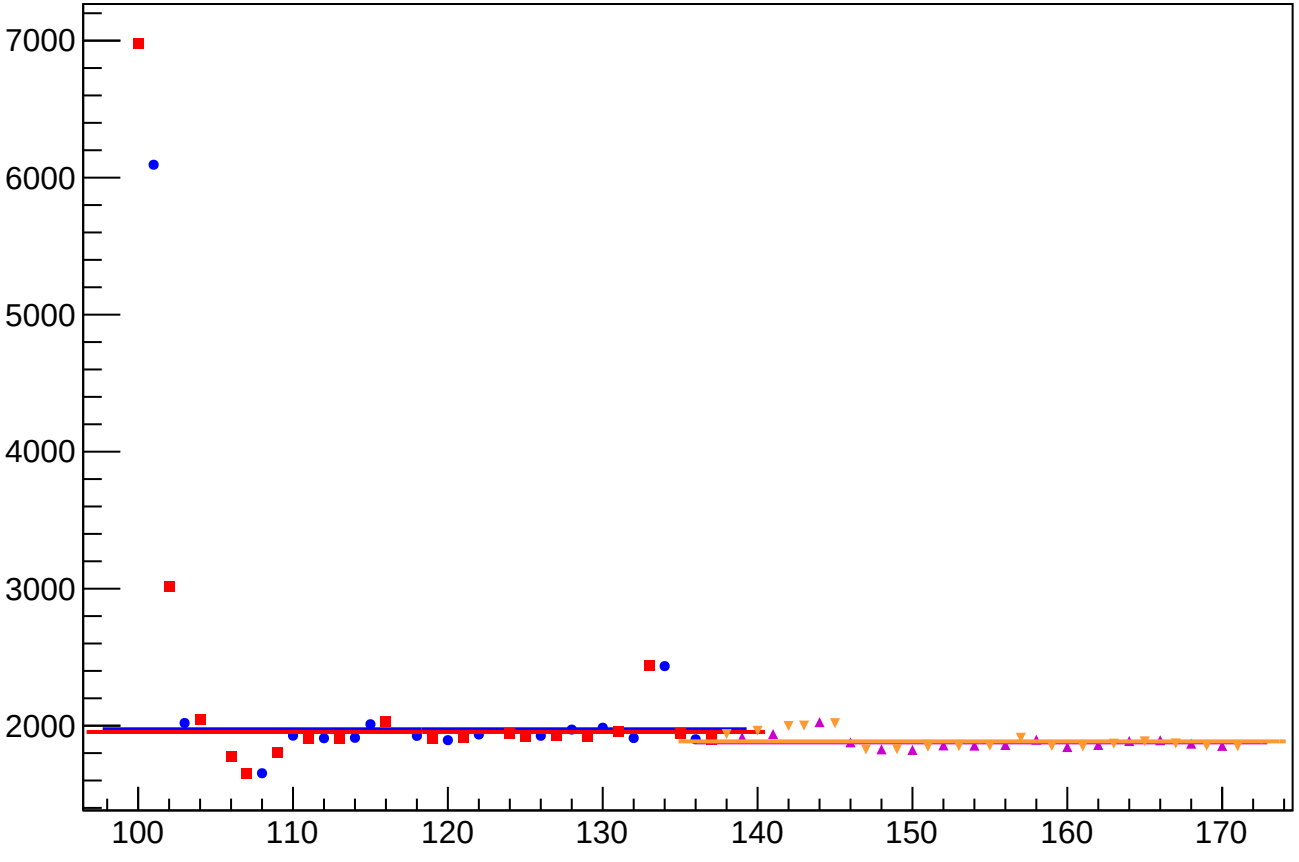
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3103.979+/-425.692 χ^2/NDF:32.5/31

Out: 1883.279+/-413.164 χ^2/NDF:37.9/36

All: 2475.402+/-296.481 χ^2/NDF: 74.7/68

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: 1878.392+/-0.365 χ^2/NDF:16918.1/15

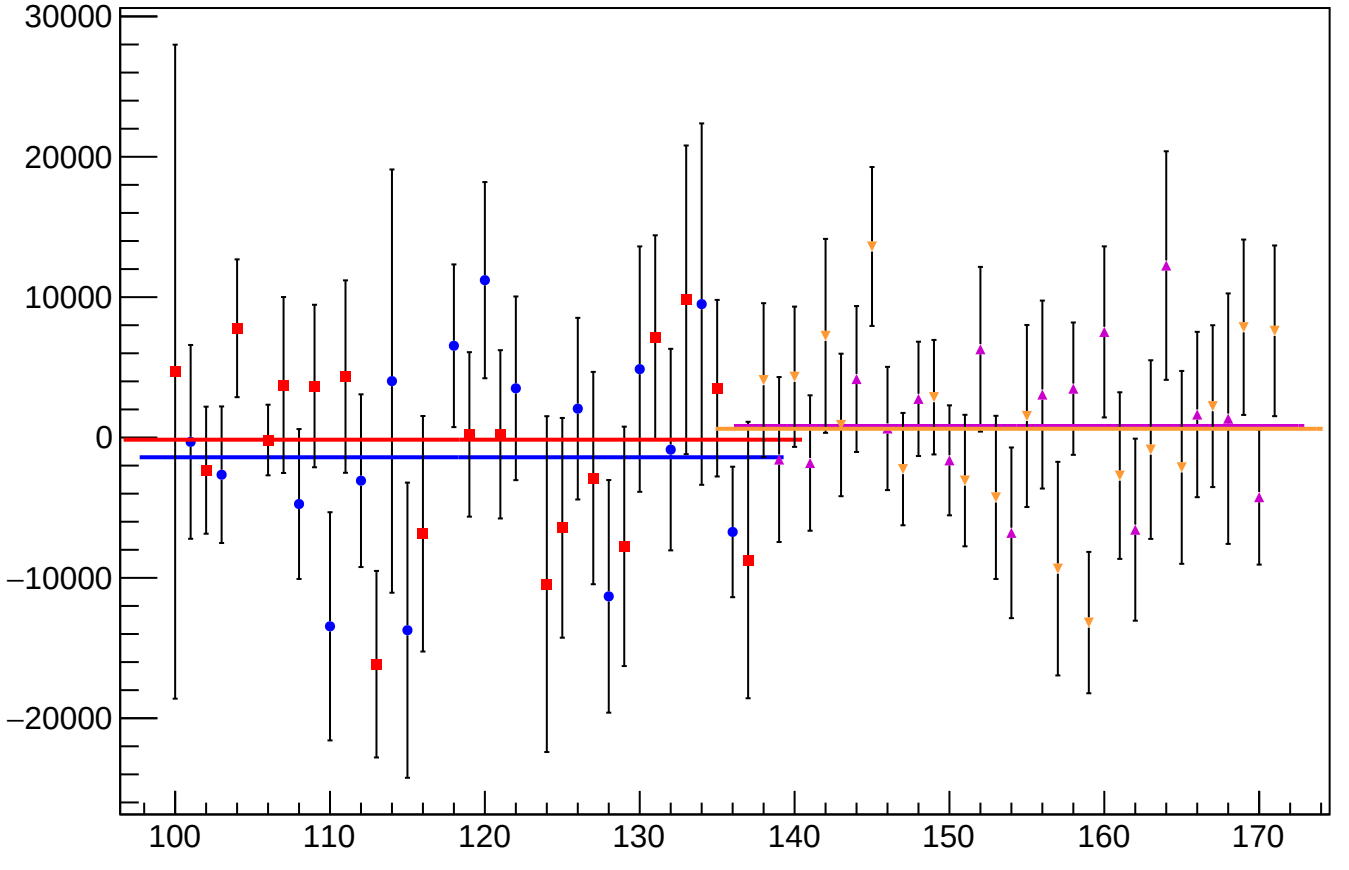
Left: 1882.117+/-0.254 χ^2/NDF: 44176.2/33

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1909.041+/-0.301 χ^2/NDF:703930.4/31

Out: 1907.354+/-0.292 χ^2/NDF:285250.3/36

All: 1908.172+/-0.210 χ^2/NDF: 989196.9/68



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: 820.339+/-1336.257 χ^2/NDF:10.0/15

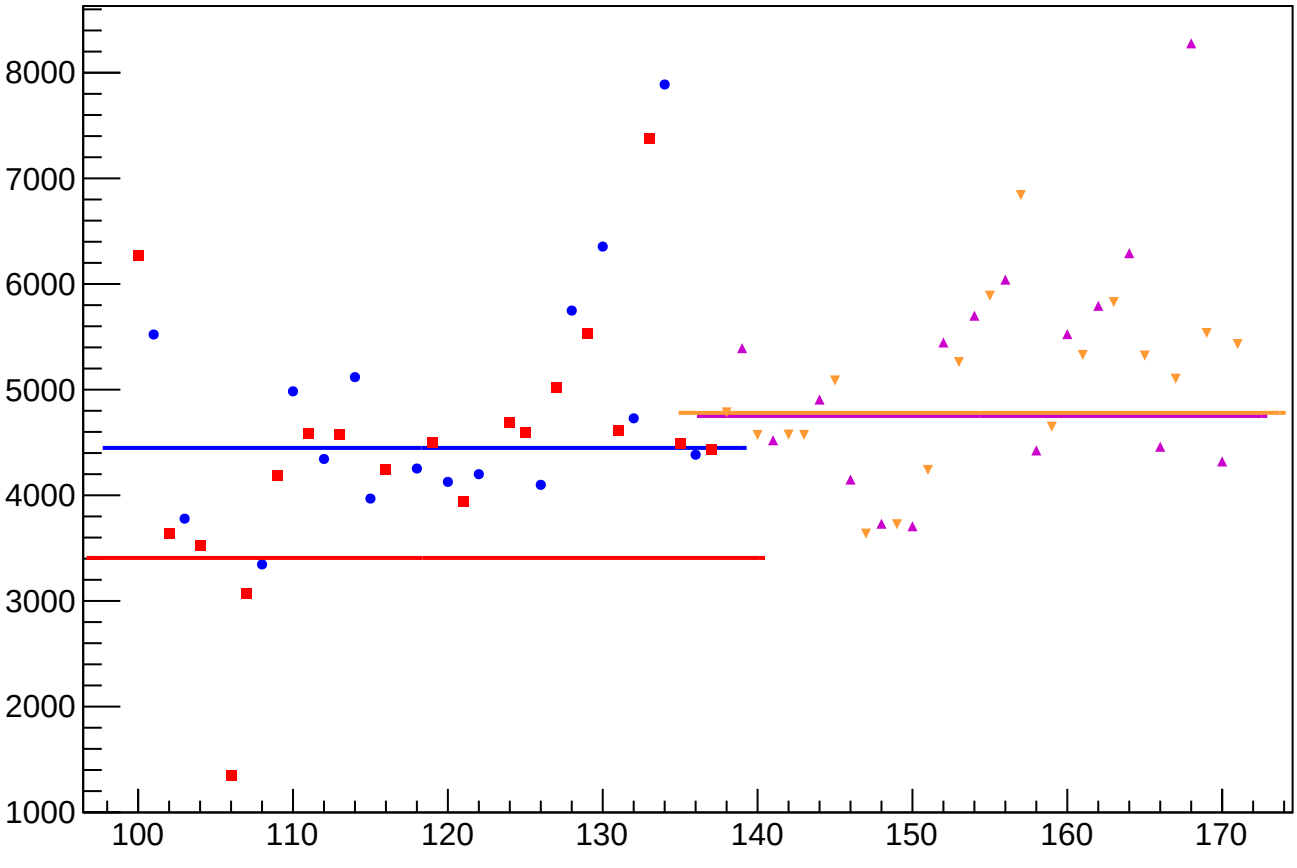
Left: 717.544+/-928.686 χ^2/NDF: 31.8/33

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -36.637+/-1048.185 χ^2/NDF:25.3/31

Out: 254.176+/-937.735 χ^2/NDF:37.8/36

All: 124.894+/-698.877 χ^2/NDF: 63.1/68



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: 4751.021+/-0.945 χ^2/NDF:984855.8/15

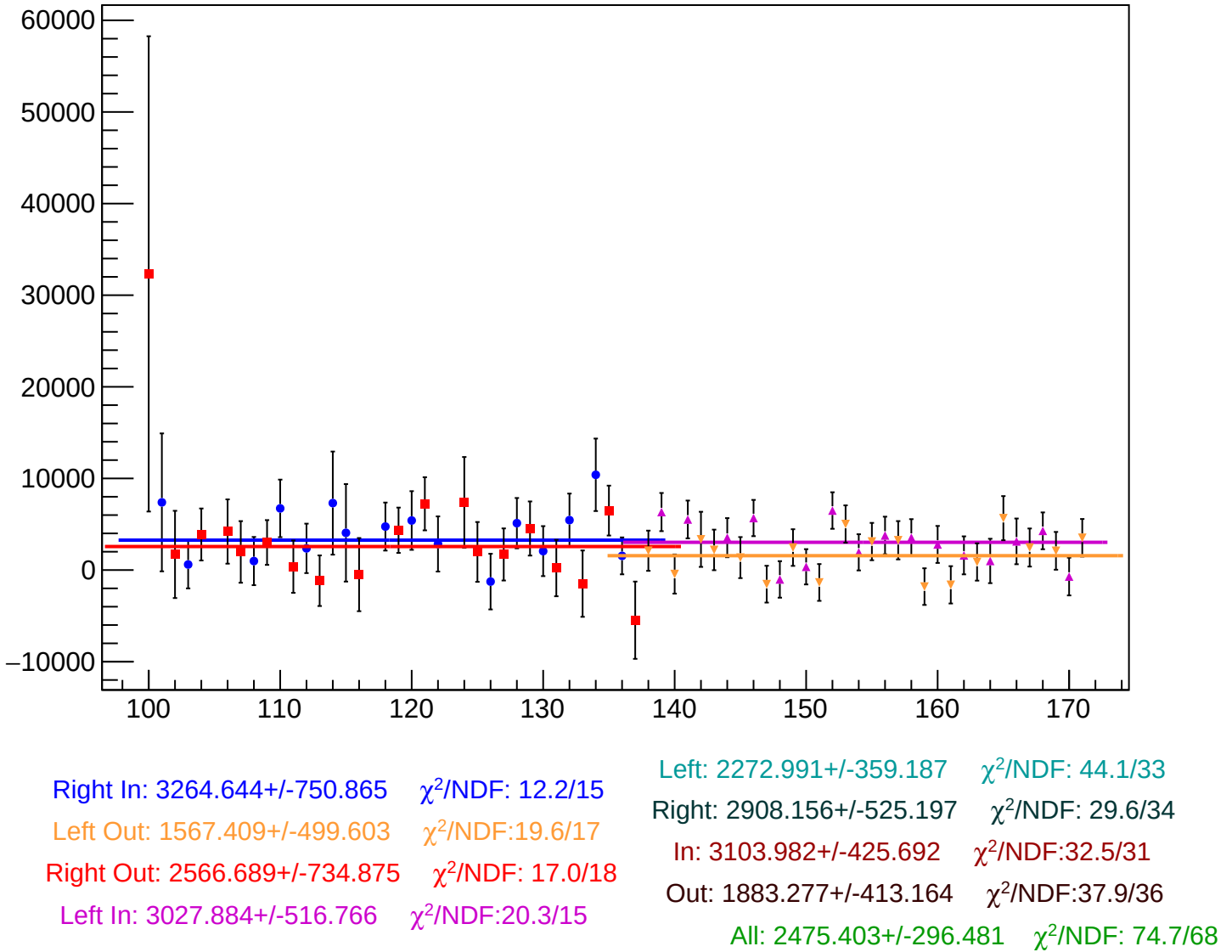
Left: 4766.361+/-0.657 χ^2/NDF: 1685939.5/33

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4634.726+/-0.741 χ^2/NDF:1518848.3/31

Out: 4131.150+/-0.663 χ^2/NDF:4096255.6/36

All: 4355.017+/-0.494 χ^2/NDF: 5871509.0/68


eigen_dit_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
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−10000
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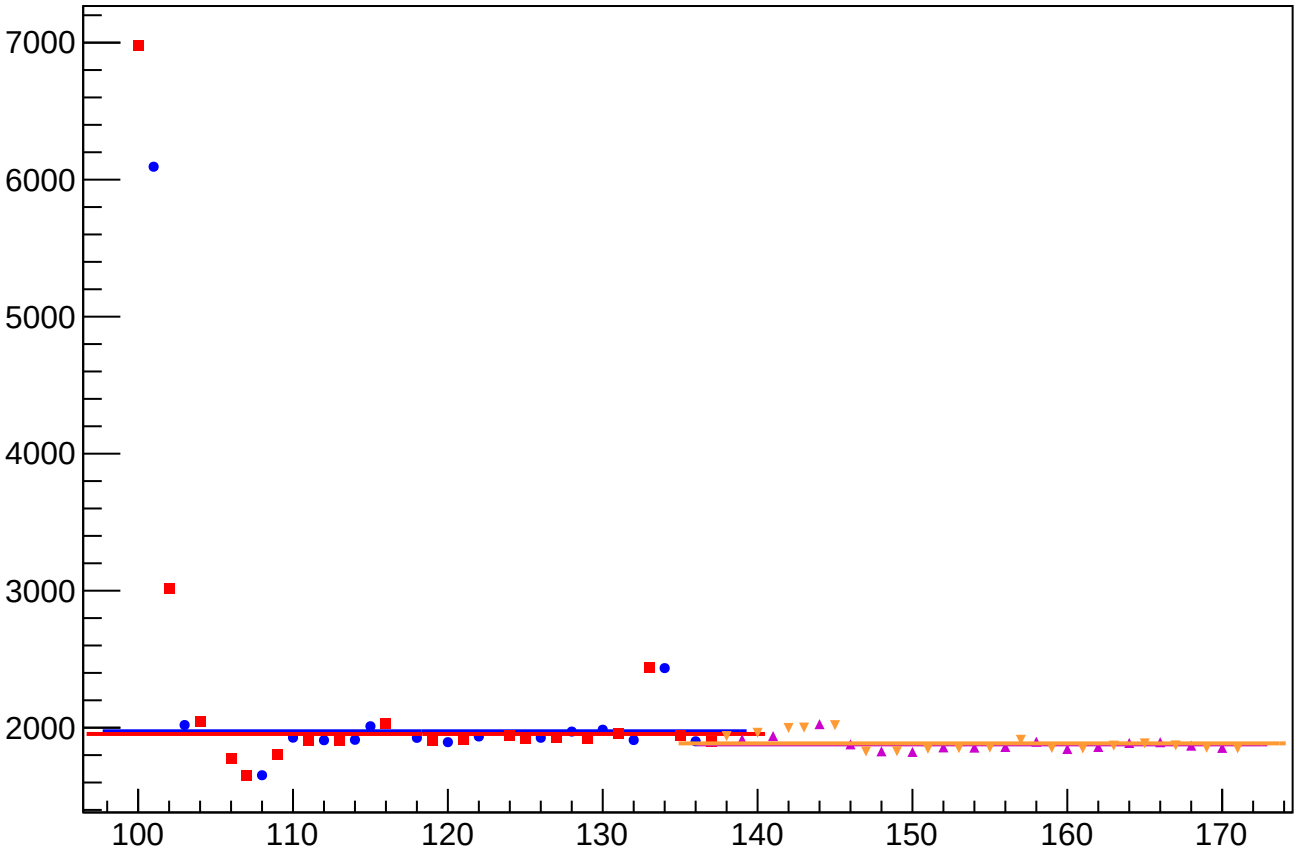
170
Right In: 3264.644+/-750.865 χ²/NDF: 12.2/15
Left Out: 1567.409+/-499.603 χ²/NDF:19.6/17
Right Out: 2566.689+/-734.875 χ²/NDF: 17.0/18
Left In: 3027.884+/-516.766 χ²/NDF:20.3/15
Left: 2272.991+/-359.187 χ²/NDF: 44.1/33
Right: 2908.156+/-525.197 χ²/NDF: 29.6/34
In: 3103.982+/-425.692 χ²/NDF:32.5/31
Out: 1883.277+/-413.164 χ²/NDF:37.9/36
All: 2475.403+/-296.481 χ²/NDF: 74.7/68



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1885.600+/-0.353 χ^2/NDF:27057.1/17

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1878.393+/-0.365 χ^2/NDF:16918.1/15

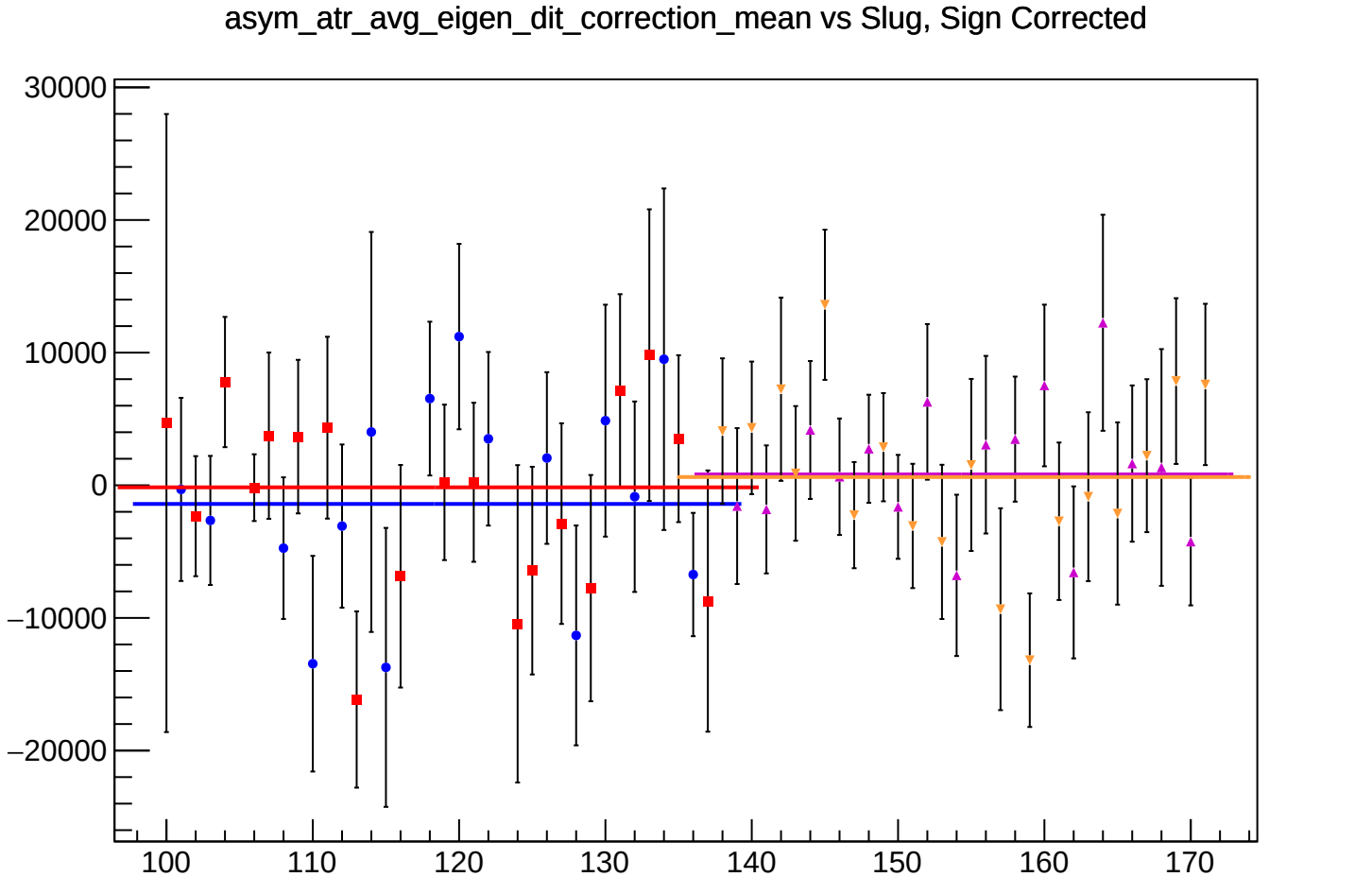
Left: 1882.118+/-0.254 χ^2/NDF: 44176.3/33

Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1909.042+/-0.301 χ^2/NDF:703929.8/31

Out: 1907.354+/-0.292 χ^2/NDF:285249.5/36

All: 1908.172+/-0.210 χ^2/NDF: 989195.5/68


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
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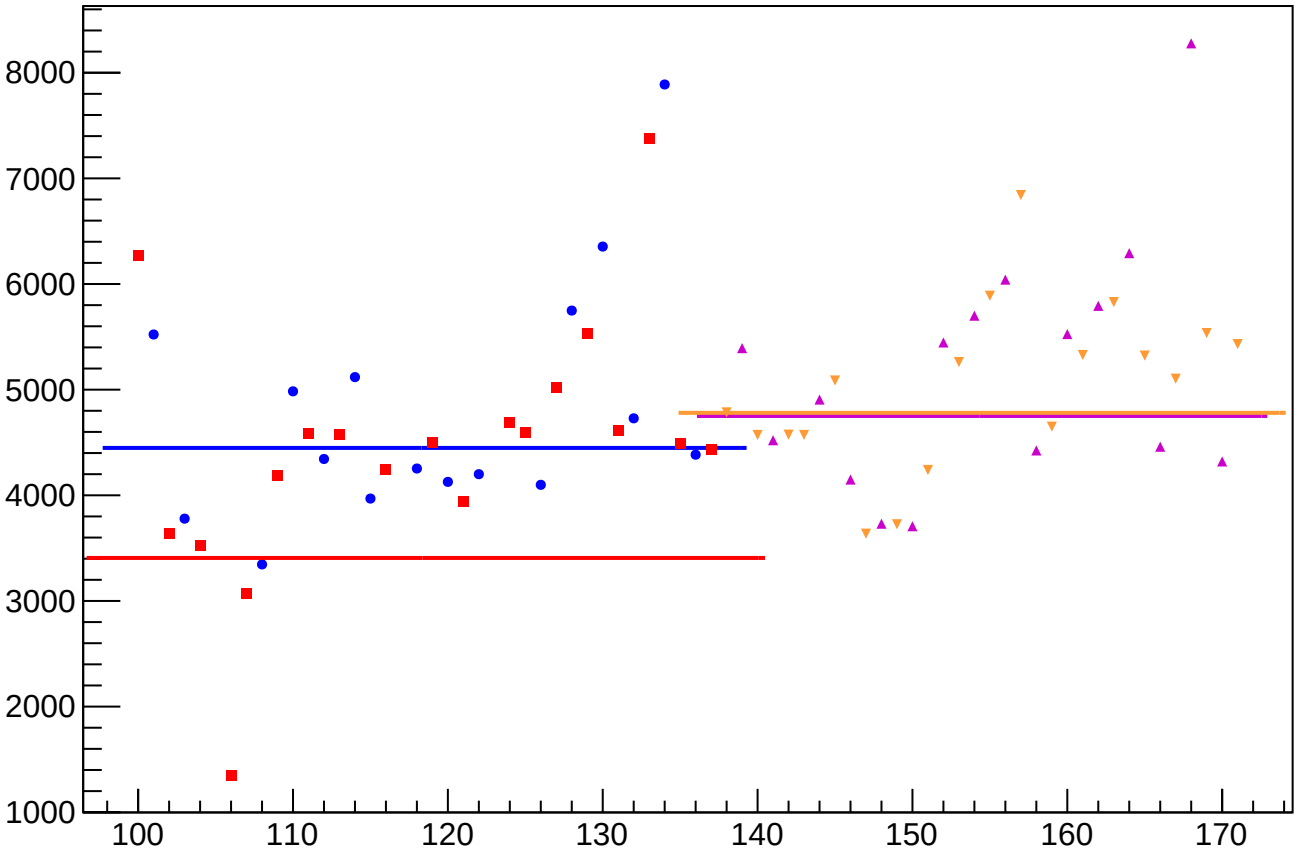
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 621.503+/-1291.604 χ²/NDF:21.8/17
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 820.337+/-1336.258 χ²/NDF:10.0/15
Left: 717.542+/-928.687 χ²/NDF: 31.8/33
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -36.634+/-1048.185 χ²/NDF:25.3/31
Out: 254.173+/-937.734 χ²/NDF:37.8/36
All: 124.893+/-698.877 χ²/NDF: 63.1/68



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: 4751.028+/-0.945 χ^2/NDF:984856.0/15

Left: 4766.368+/-0.657 χ^2/NDF: 1685939.5/33

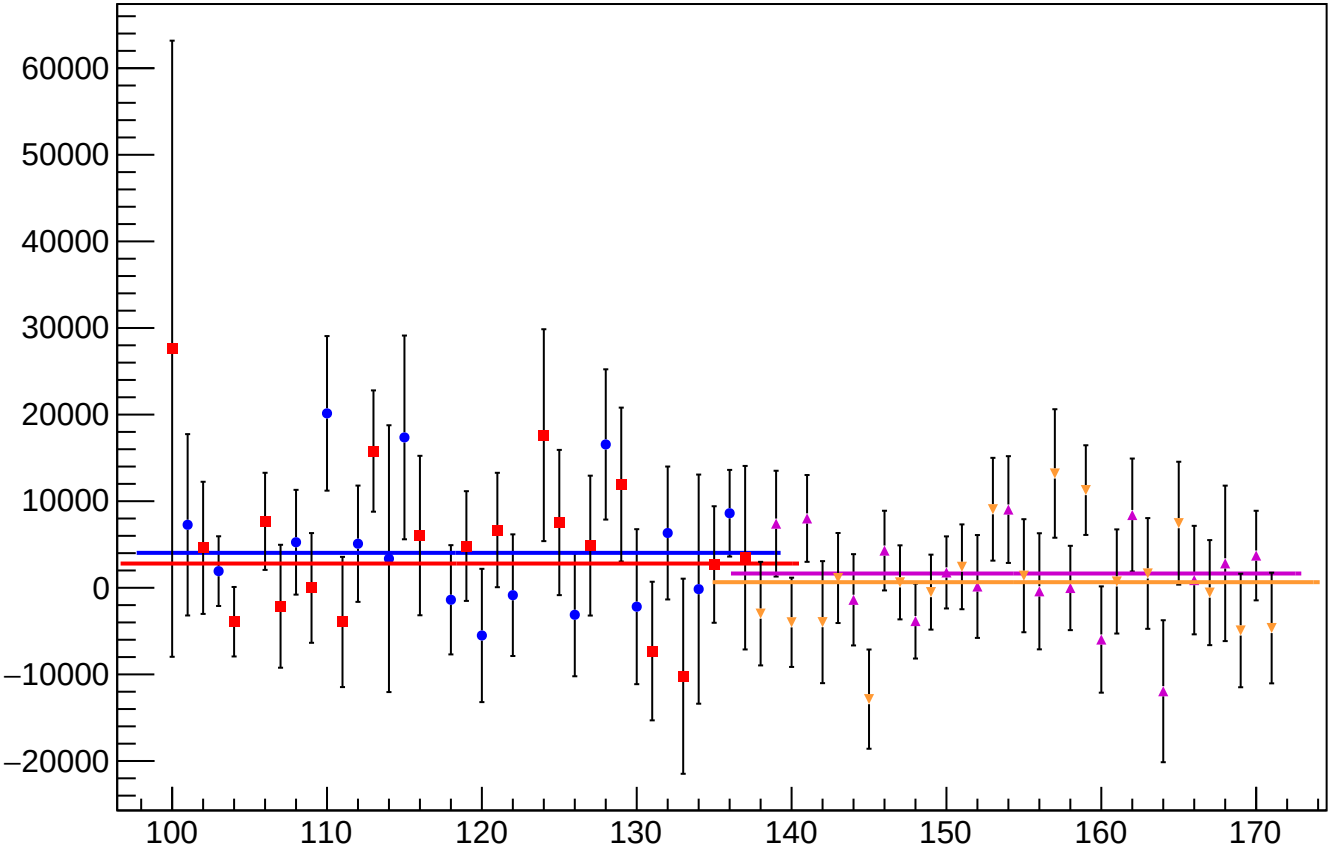
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4634.727+/-0.741 χ^2/NDF:1518849.3/31

Out: 4131.147+/-0.663 χ^2/NDF:4096284.3/36

All: 4355.016+/-0.494 χ^2/NDF: 5871542.4/68

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: 1649.874+/-1386.416 χ^2/NDF:12.0/15

Left: 1132.032+/-963.357 χ^2/NDF: 31.2/33

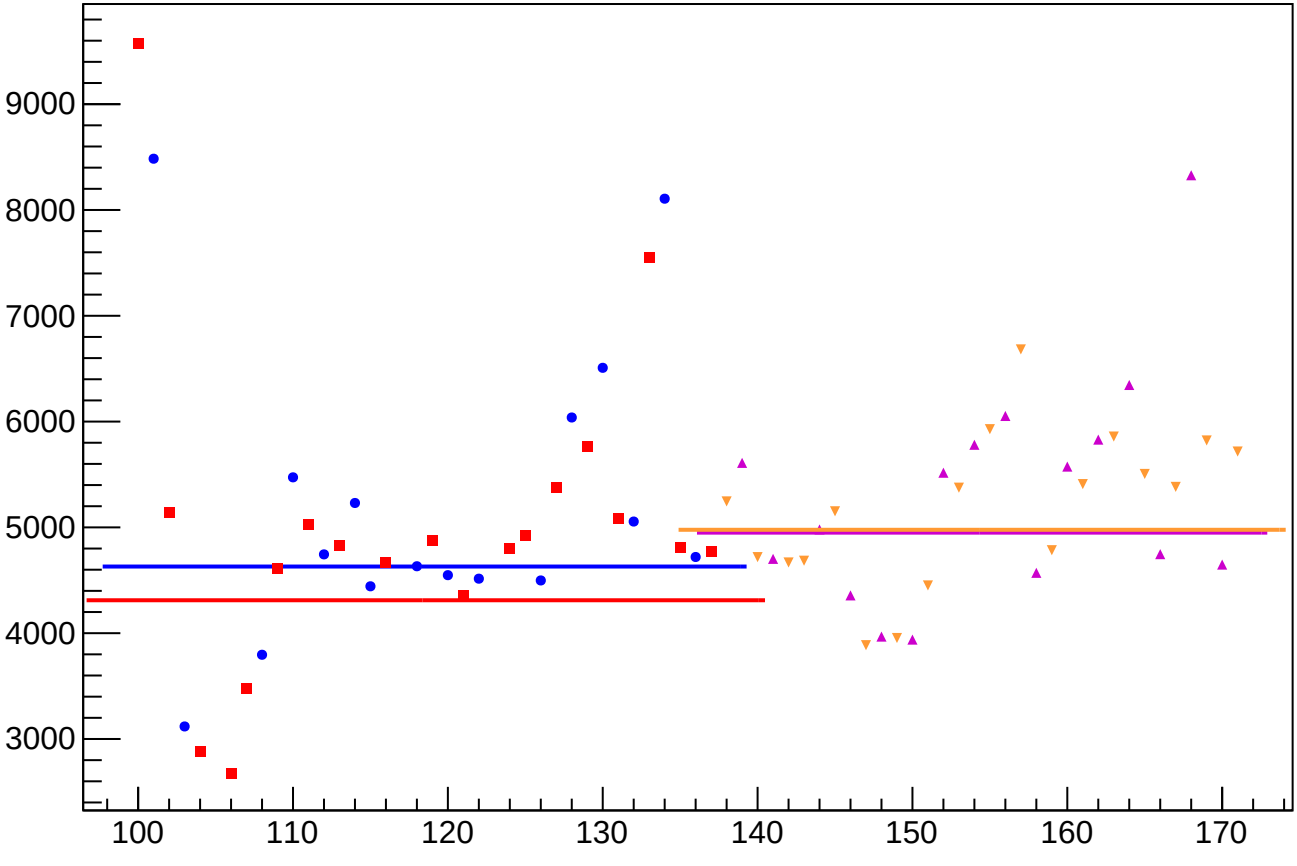
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2549.039+/-1094.254 χ^2/NDF:25.5/31

Out: 1489.965+/-1045.401 χ^2/NDF:35.3/36

All: 1995.334+/-755.891 χ^2/NDF: 61.3/68

asym_atr_avg_rms vs Slug, Sign Corrected



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: 4950.421+/-0.980 χ^2/NDF:810481.9/15

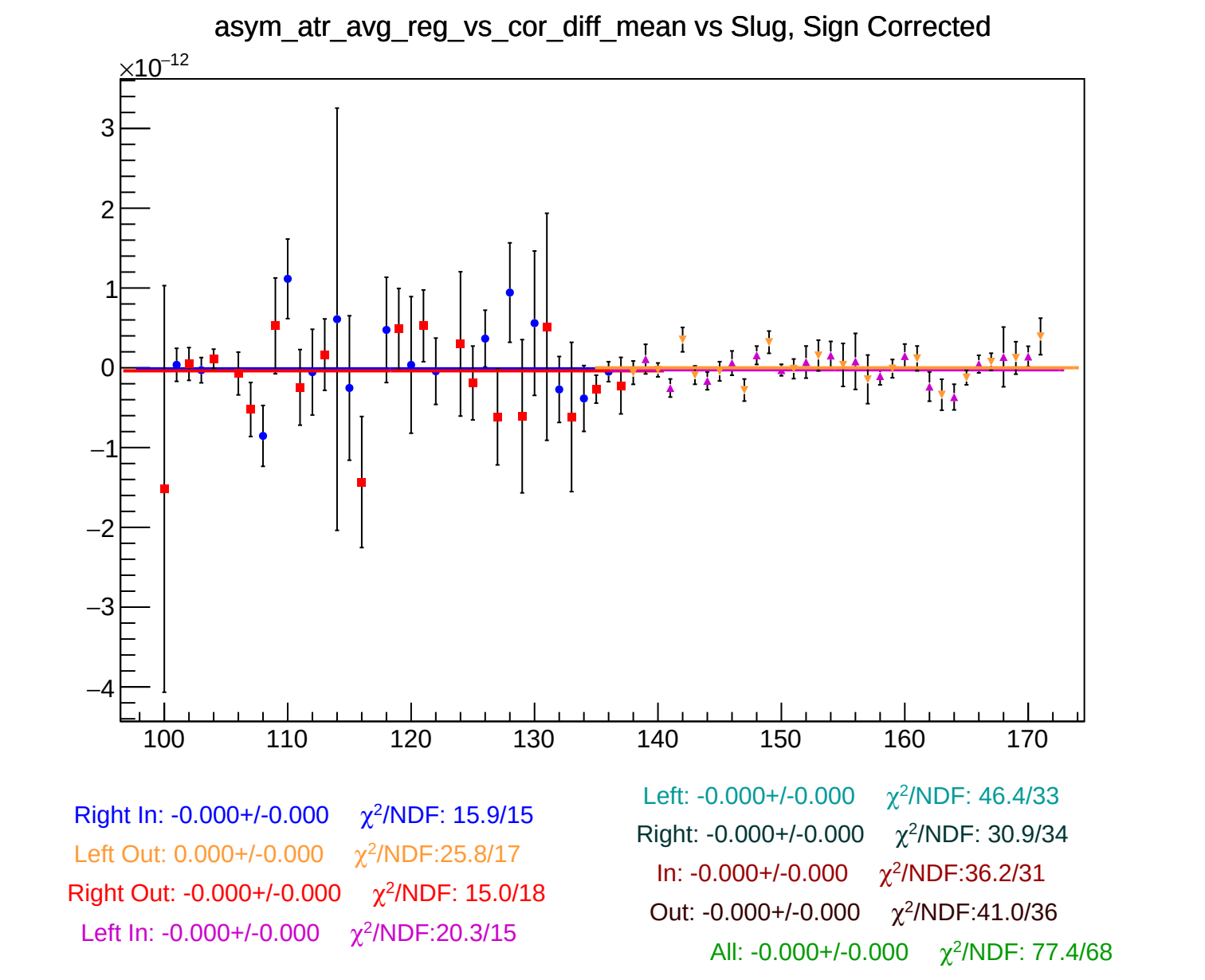
Left: 4964.316+/-0.681 χ^2/NDF: 1384947.5/33

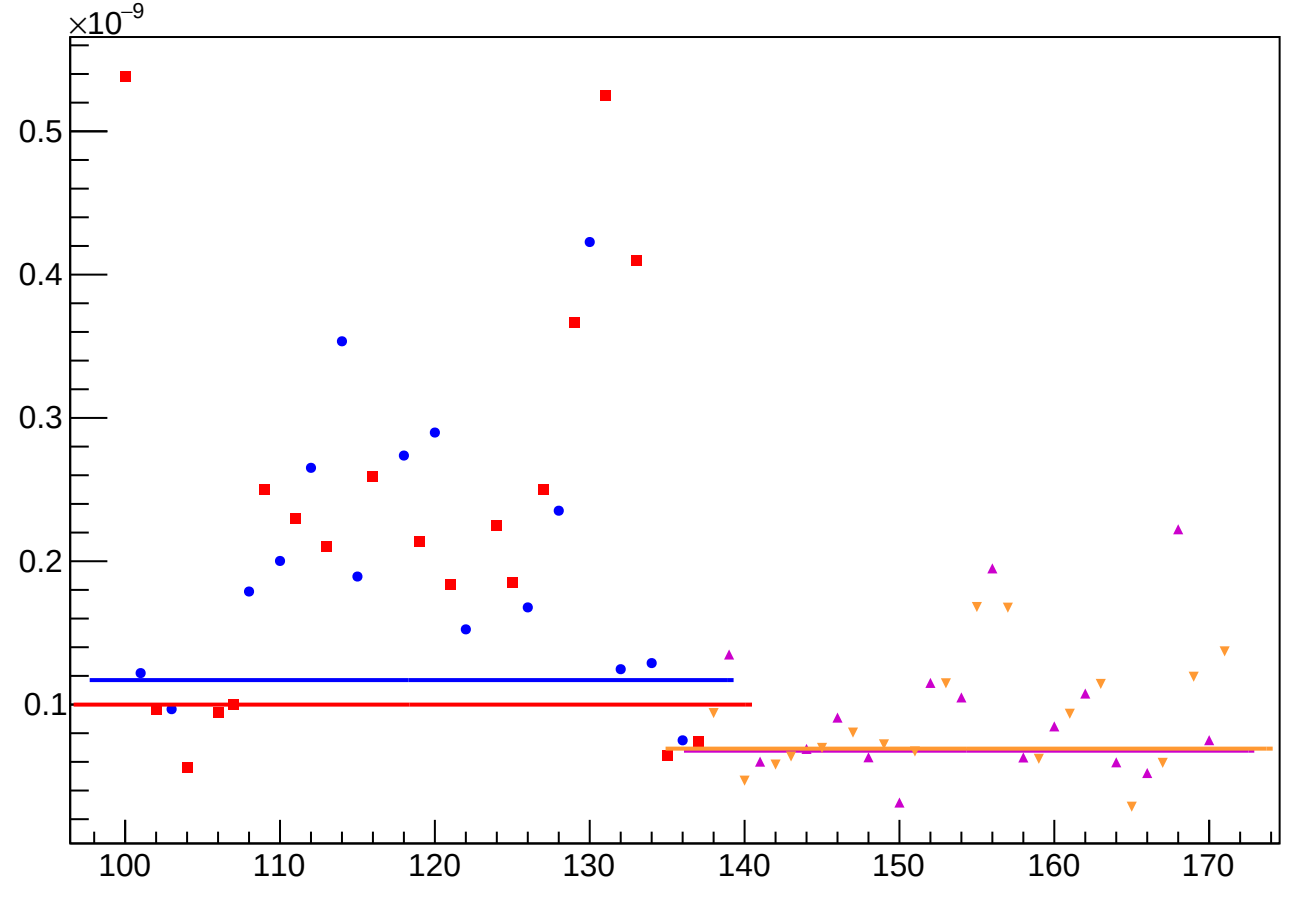
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4829.592+/-0.774 χ^2/NDF:1751016.7/31

Out: 4714.104+/-0.737 χ^2/NDF:1674190.1/36

All: 4769.016+/-0.534 χ^2/NDF: 3436891.9/68


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: 0.000+/-0.000 χ²/NDF:25.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:20.3/15
Left: -0.000+/-0.000 χ²/NDF: 46.4/33
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:36.2/31
Out: -0.000+/-0.000 χ²/NDF:41.0/36
All: -0.000+/-0.000 χ²/NDF: 77.4/68



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:1804325.1/15

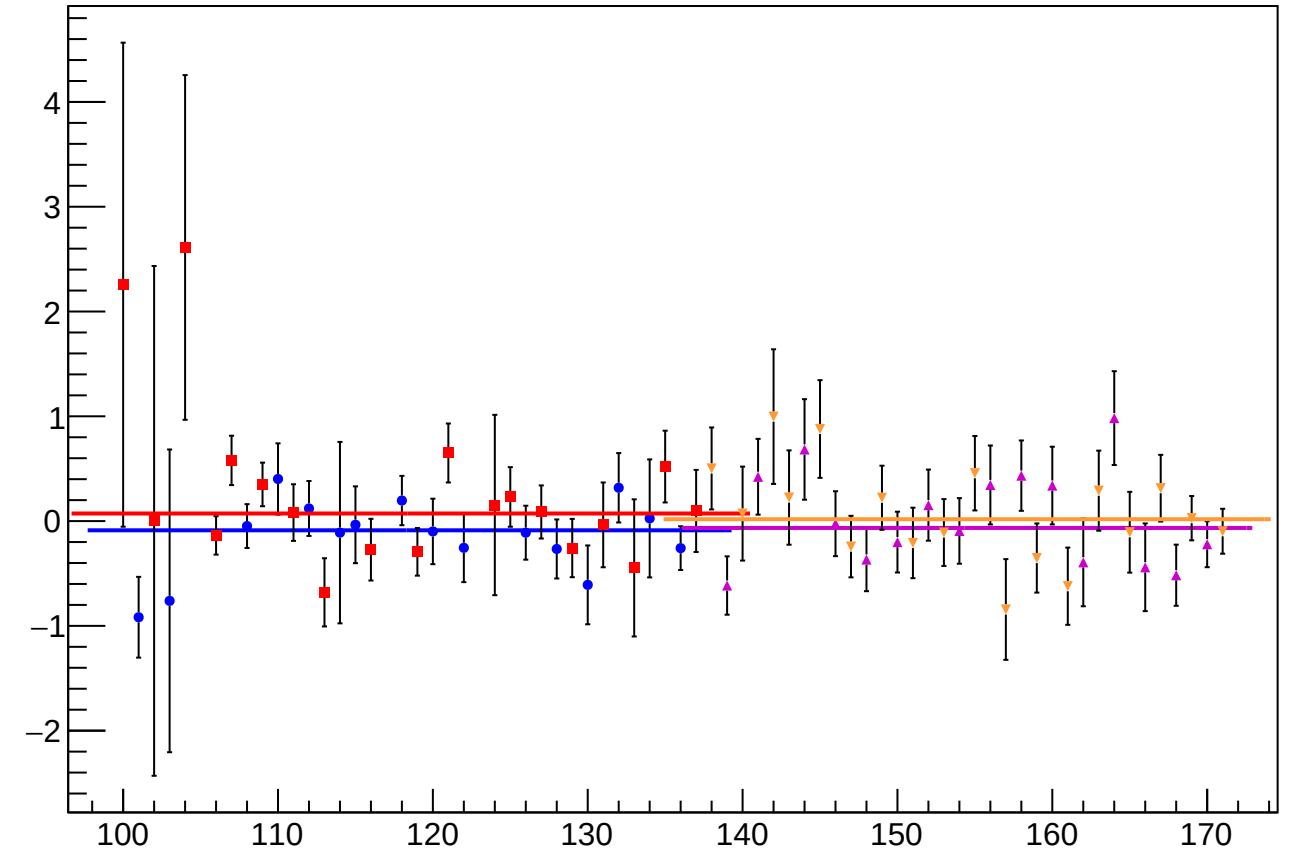
Left: 0.000+/-0.000 χ^2/NDF: 3490241.2/33

Right: 0.000+/-0.000 χ^2/NDF: 2997940.6/34

In: 0.000+/-0.000 χ^2/NDF:3619806.9/31

Out: 0.000+/-0.000 χ^2/NDF:3827651.9/36

All: 0.000+/-0.000 χ^2/NDF: 7450252.3/68



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: -0.066+/-0.082 χ^2/NDF:24.2/15

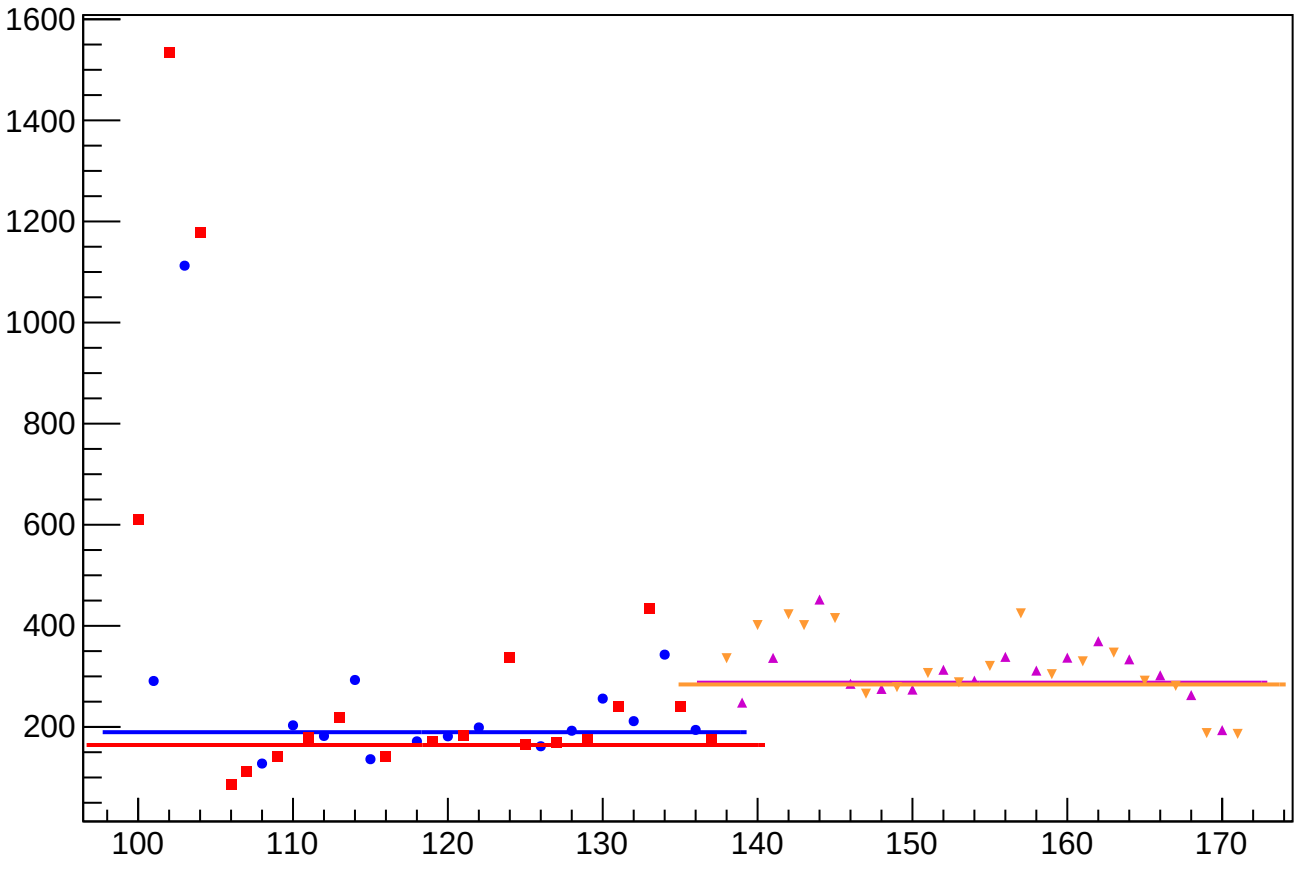
Left: -0.022+/-0.057 χ^2/NDF: 44.8/33

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.078+/-0.056 χ^2/NDF:38.1/31

Out: 0.048+/-0.052 χ^2/NDF:49.0/36

All: -0.010+/-0.038 χ^2/NDF: 89.8/68



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: 287.574+/-0.058 χ^2/NDF:894687.3/15

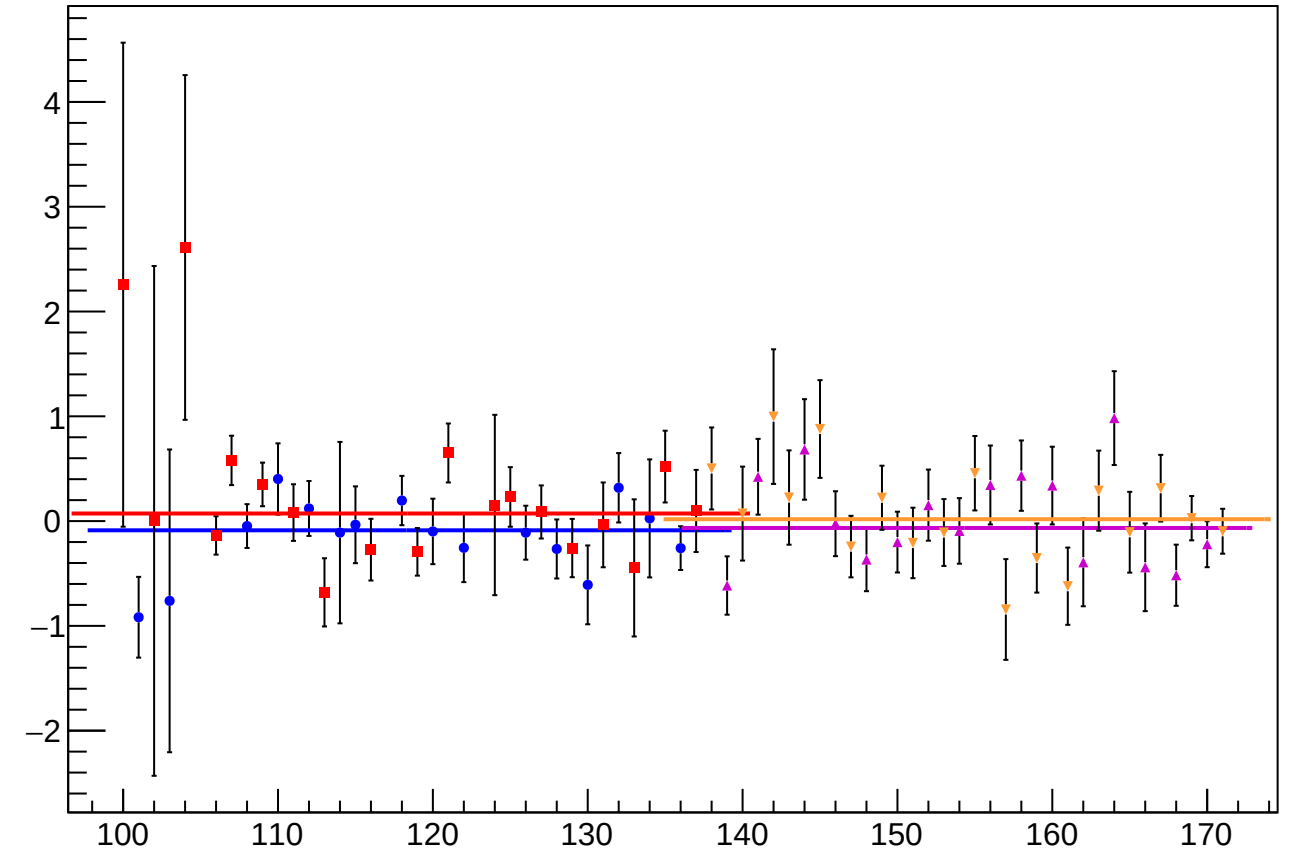
Left: 285.754+/-0.040 χ^2/NDF: 2592391.7/33

Right: 175.794+/-0.037 χ^2/NDF: 4227942.3/34

In: 235.448+/-0.040 χ^2/NDF:3883172.1/31

Out: 217.092+/-0.037 χ^2/NDF:6919927.8/36

All: 225.653+/-0.027 χ^2/NDF: 10917756.1/68



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: -0.066+/-0.082 χ^2/NDF:24.2/15

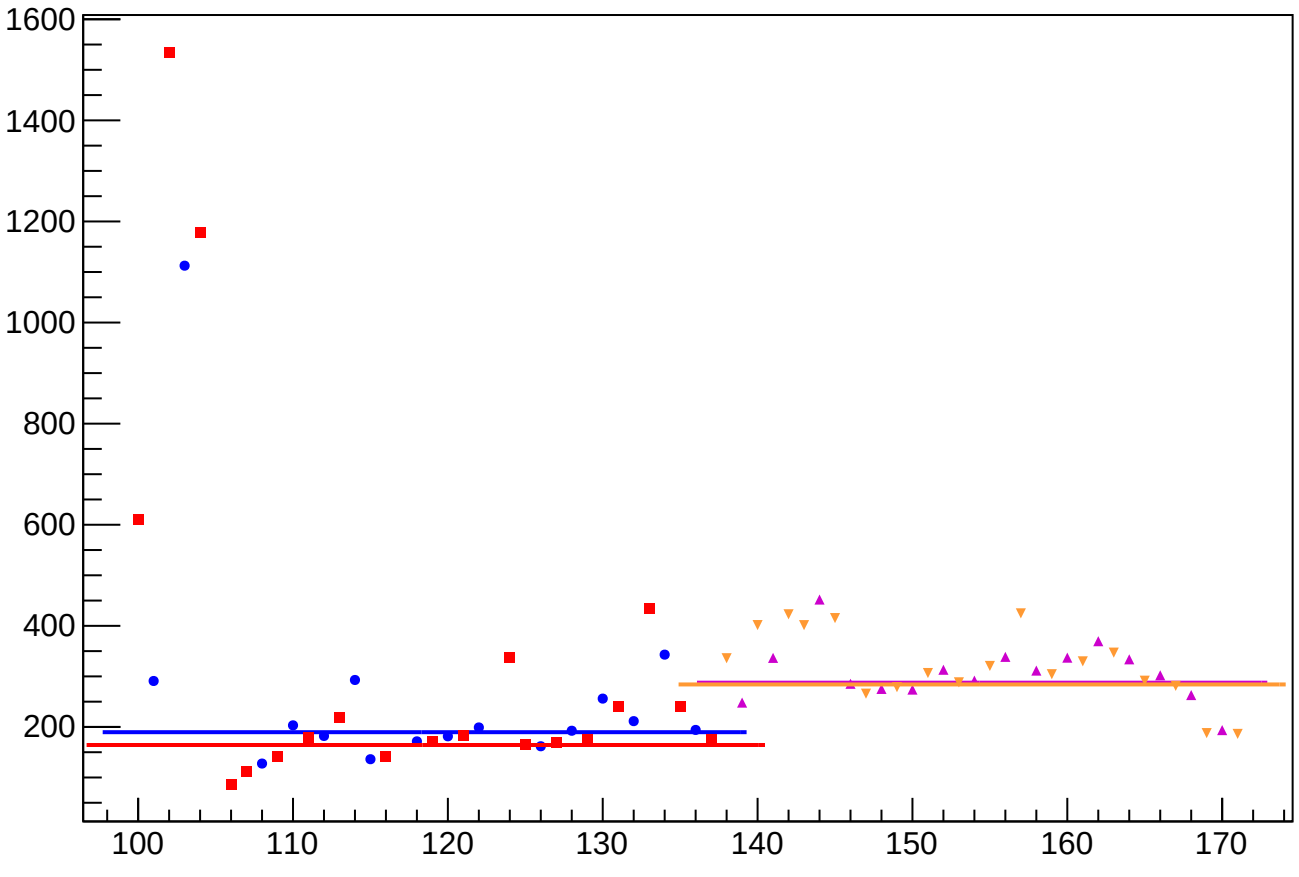
Left: -0.022+/-0.057 χ^2/NDF: 44.8/33

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.078+/-0.056 χ^2/NDF:38.1/31

Out: 0.048+/-0.052 χ^2/NDF:49.0/36

All: -0.010+/-0.038 χ^2/NDF: 89.8/68


asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1600
1400
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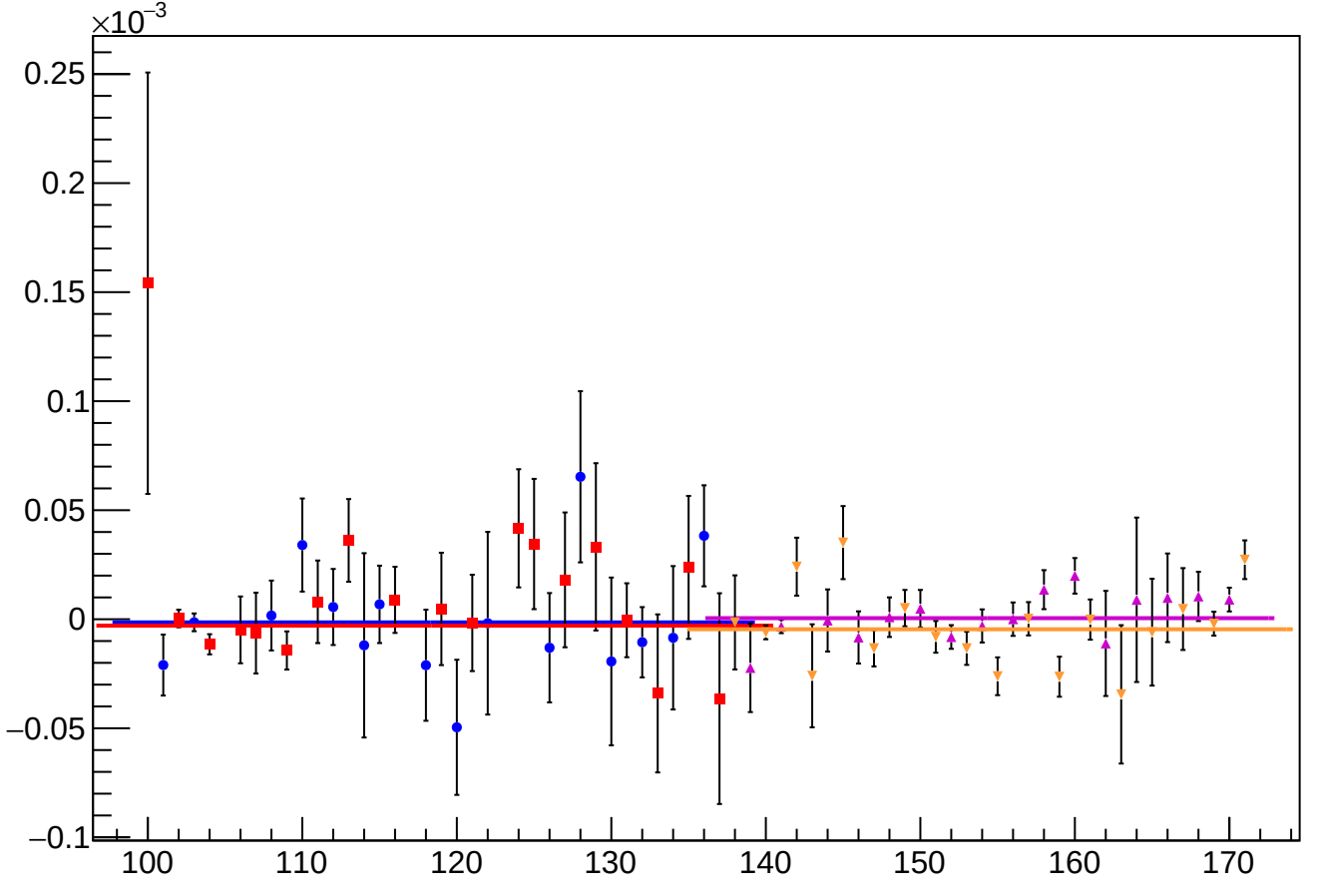
160
170
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 284.067+/-0.056 χ²/NDF:1695800.9/17
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 287.574+/-0.058 χ²/NDF:894687.3/15
Left: 285.754+/-0.040 χ²/NDF: 2592391.7/33
Right: 175.794+/-0.037 χ²/NDF: 4227942.3/34
In: 235.448+/-0.040 χ²/NDF:3883172.1/31
Out: 217.092+/-0.037 χ²/NDF:6919927.8/36
All: 225.653+/-0.027 χ²/NDF: 10917756.1/68



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:17.9/15

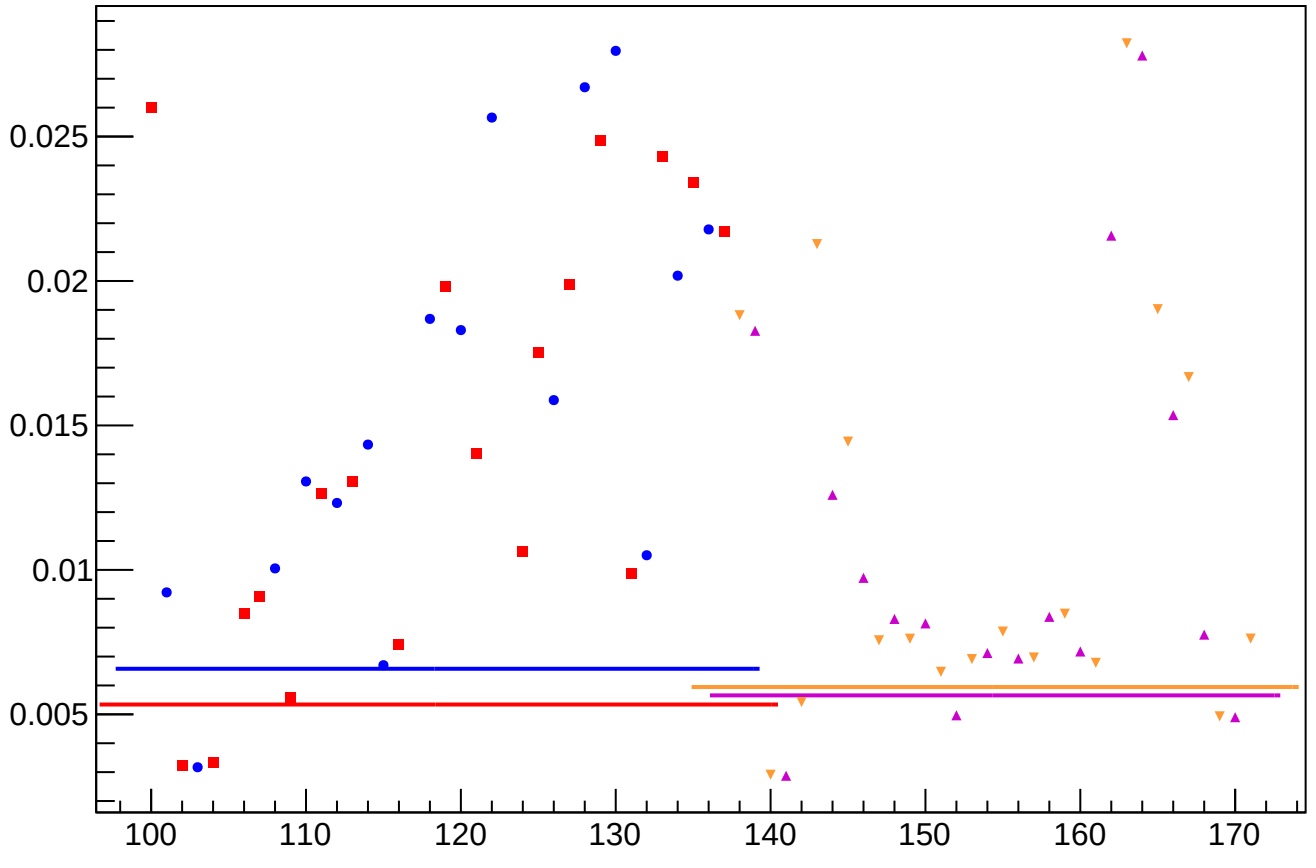
Left: -0.000+/-0.000 χ^2/NDF: 63.6/33

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:33.0/31

Out: -0.000+/-0.000 χ^2/NDF:63.6/36

All: -0.000+/-0.000 χ^2/NDF: 99.9/68



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:6014291.5/15

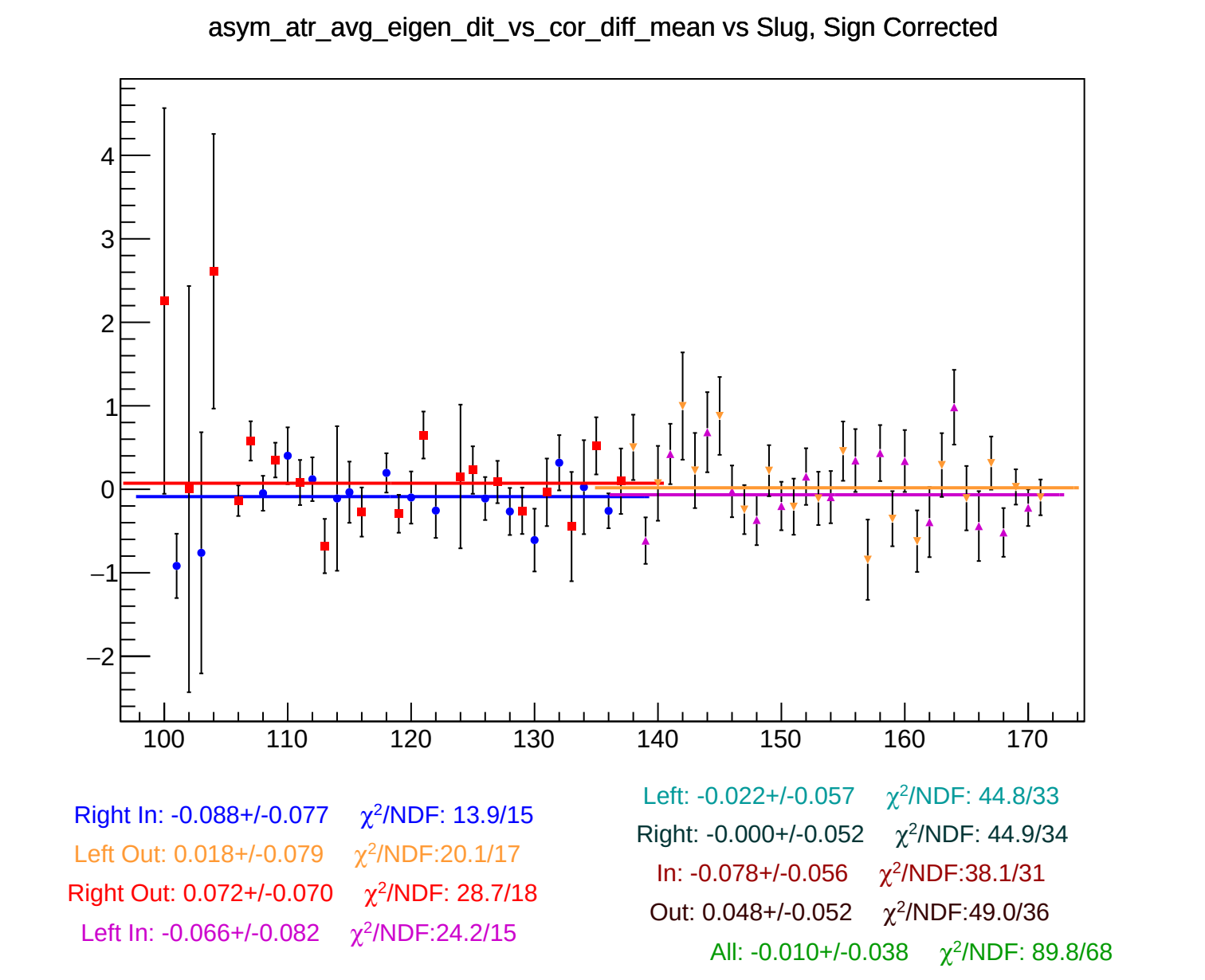
Left: 0.006+/-0.000 χ^2/NDF: 12790749.6/33

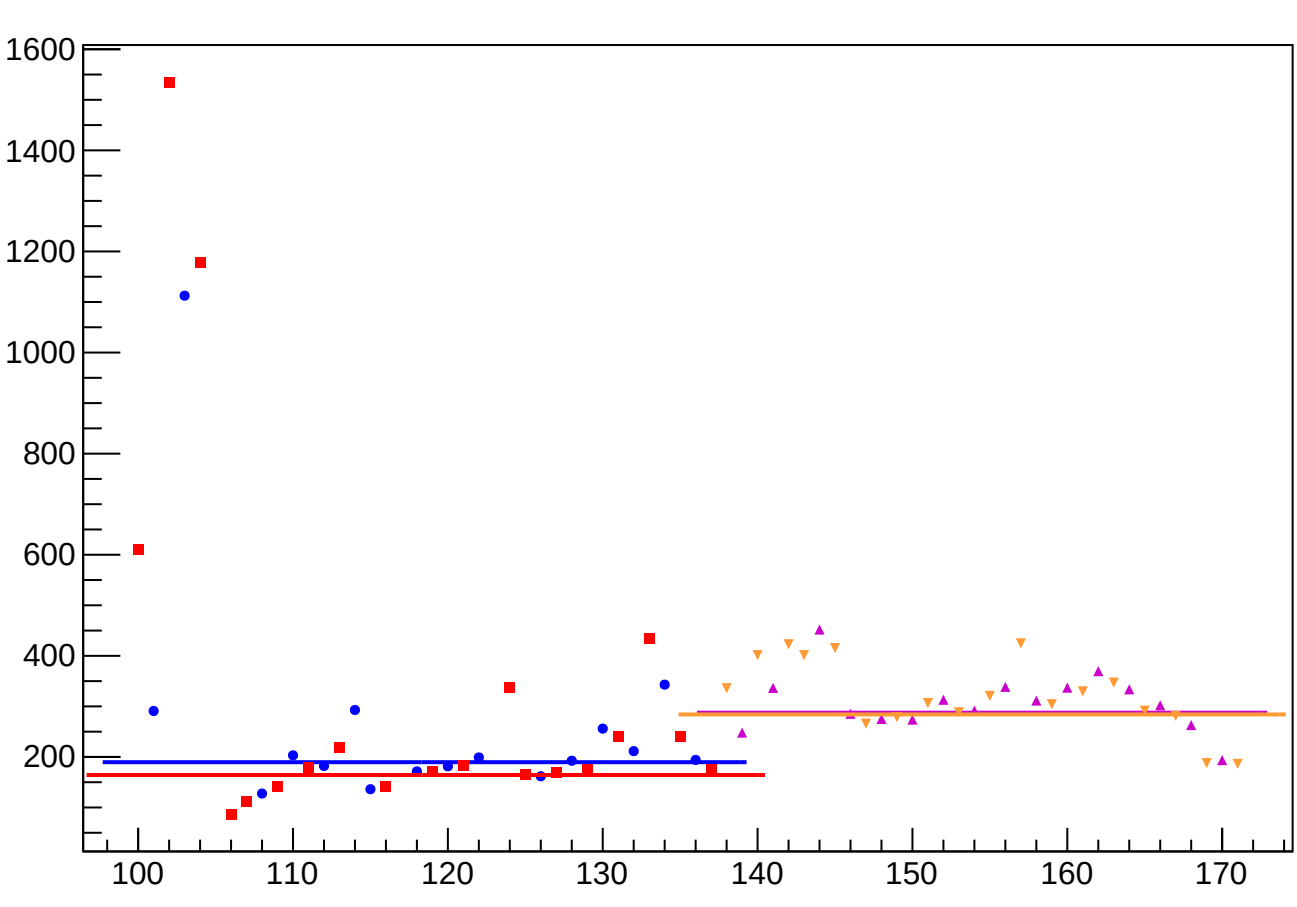
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:12059856.0/31

Out: 0.006+/-0.000 χ^2/NDF:12511012.7/36

All: 0.006+/-0.000 χ^2/NDF: 24579137.8/68


asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
110
120
130
140
150
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: -0.066+/-0.082 χ²/NDF:24.2/15
Left: -0.022+/-0.057 χ²/NDF: 44.8/33
Right: -0.000+/-0.052 χ²/NDF: 44.9/34
In: -0.078+/-0.056 χ²/NDF:38.1/31
Out: 0.048+/-0.052 χ²/NDF:49.0/36
All: -0.010+/-0.038 χ²/NDF: 89.8/68



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: 287.577+/-0.058 χ^2/NDF:894720.2/15

Left: 285.757+/-0.040 χ^2/NDF: 2592515.0/33

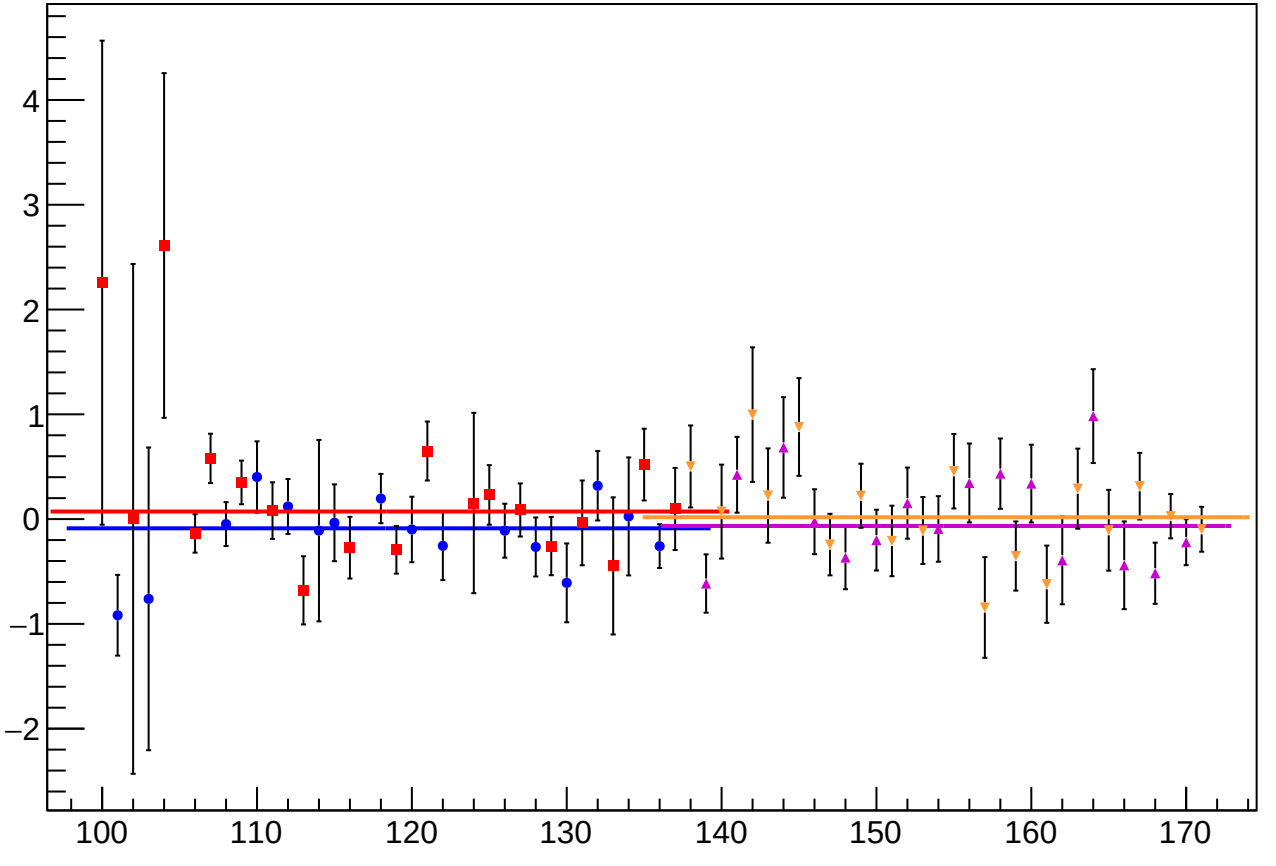
Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 235.449+/-0.040 χ^2/NDF:3883307.6/31

Out: 217.092+/-0.037 χ^2/NDF:6920112.8/36

All: 225.653+/-0.027 χ^2/NDF: 10918084.7/68

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.018+/-0.079 χ^2/NDF:20.1/17

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.066+/-0.082 χ^2/NDF:24.2/15

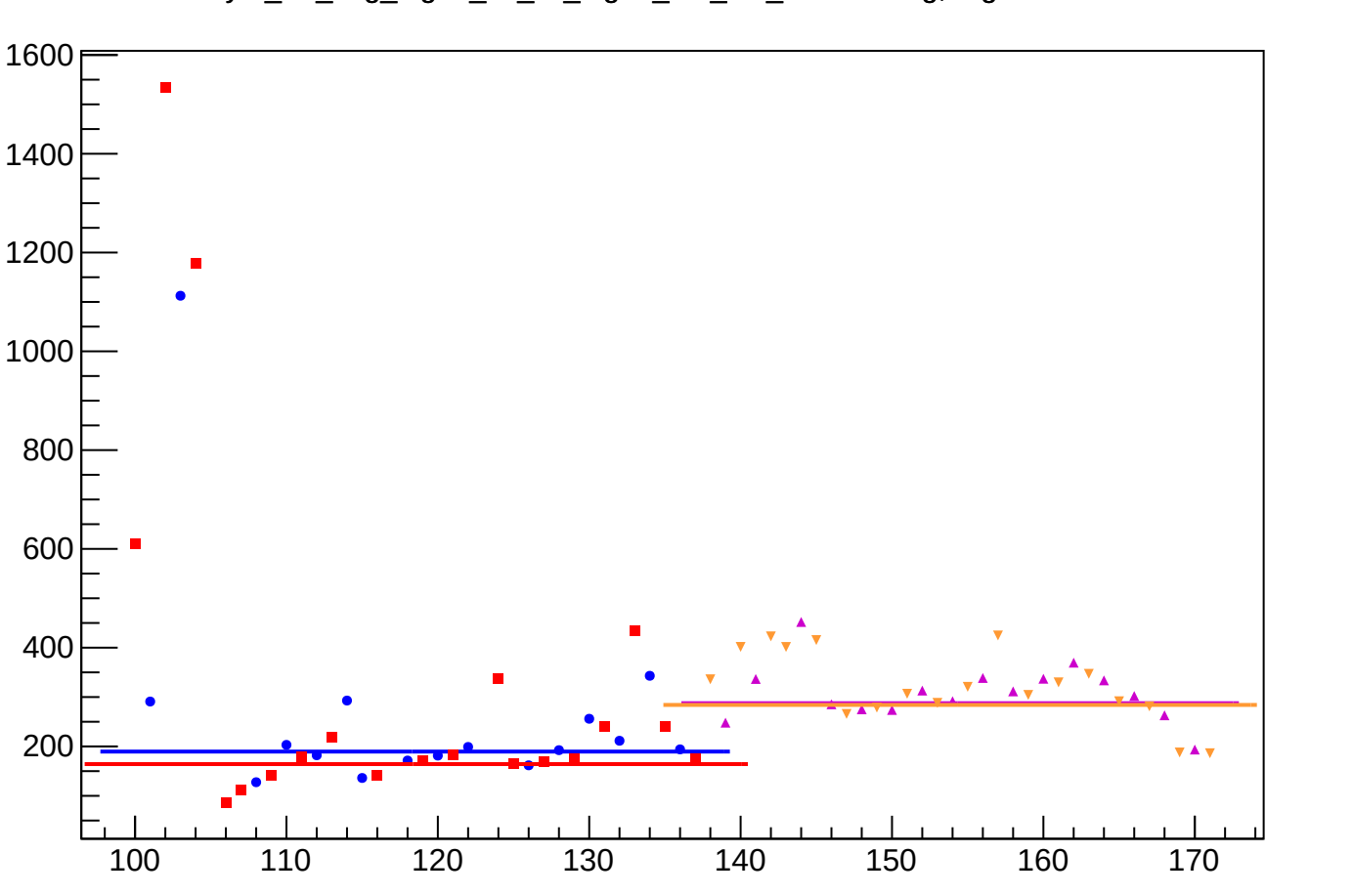
Left: -0.022+/-0.057 χ^2/NDF: 44.8/33

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.078+/-0.056 χ^2/NDF:38.1/31

Out: 0.048+/-0.052 χ^2/NDF:49.0/36

All: -0.010+/-0.038 χ^2/NDF: 89.8/68



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: 287.577+/-0.058 χ^2/NDF:894720.2/15

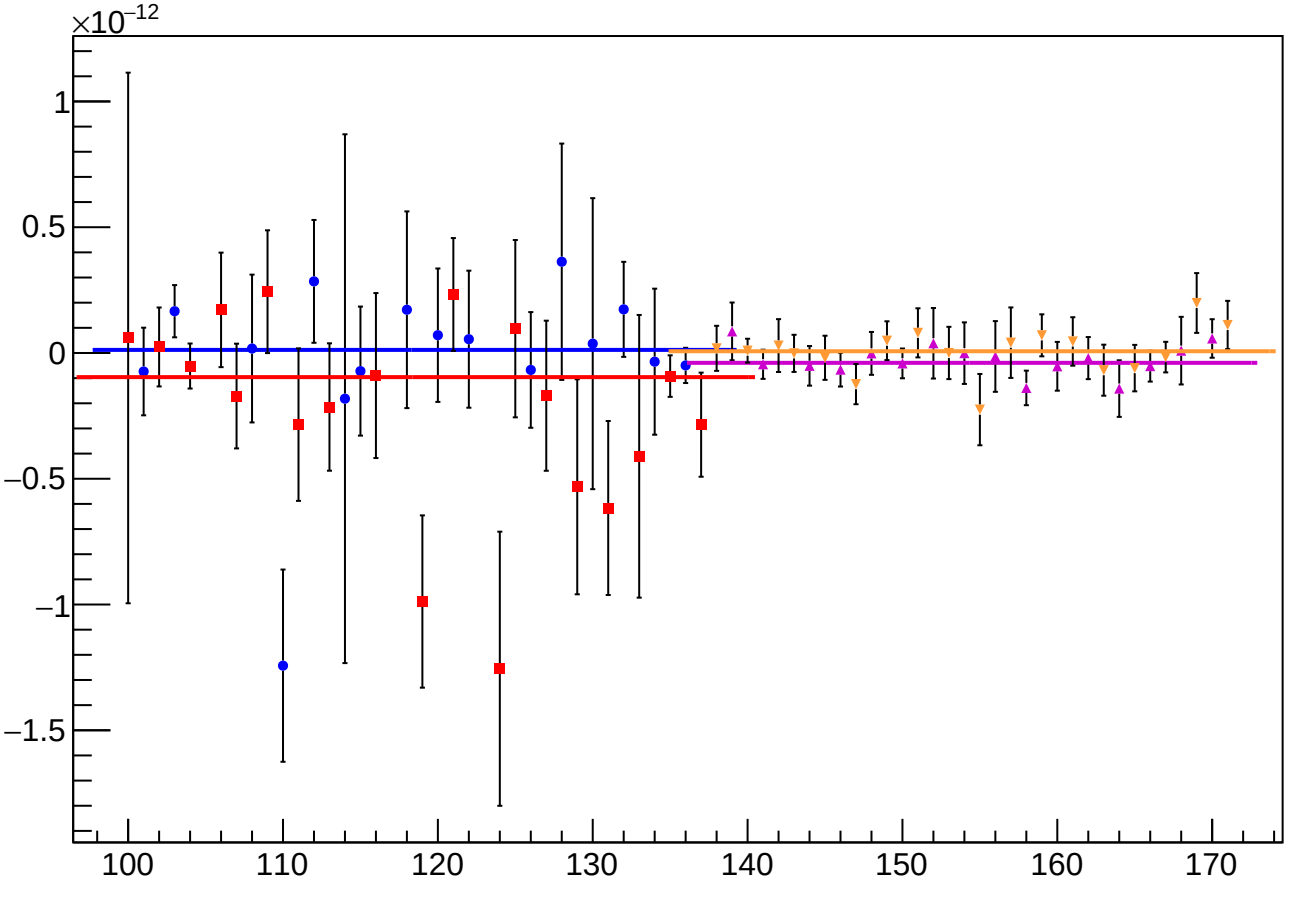
Left: 285.757+/-0.040 χ^2/NDF: 2592515.0/33

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 235.449+/-0.040 χ^2/NDF:3883307.6/31

Out: 217.092+/-0.037 χ^2/NDF:6920112.8/36

All: 225.653+/-0.027 χ^2/NDF: 10918084.7/68



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:6.8/15

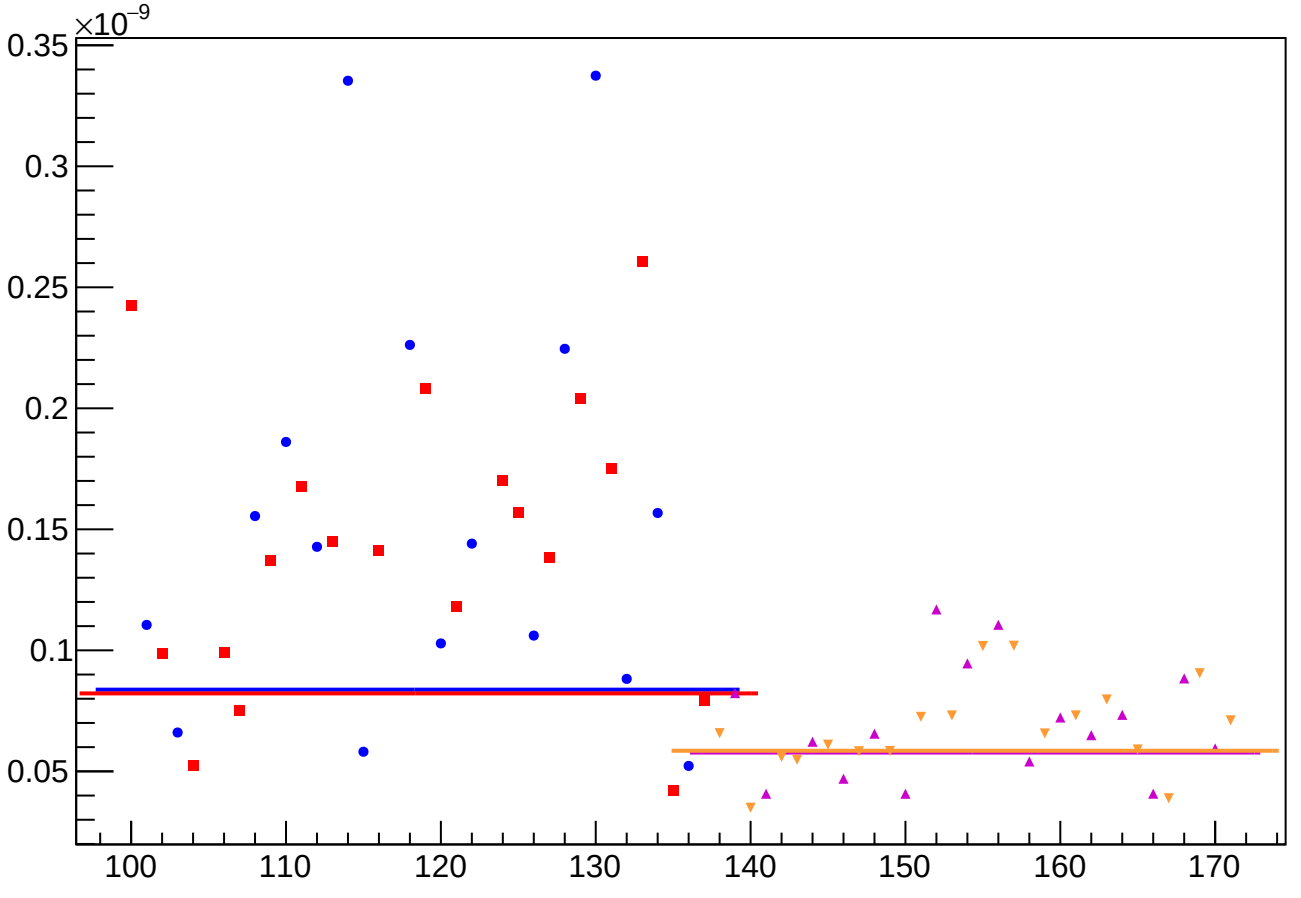
Left: -0.000+/-0.000 χ^2/NDF: 21.6/33

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:24.9/31

Out: -0.000+/-0.000 χ^2/NDF:39.8/36

All: -0.000+/-0.000 χ^2/NDF: 65.3/68



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:1684317.5/15

Left: 0.000+/-0.000 χ^2/NDF: 3195152.9/33

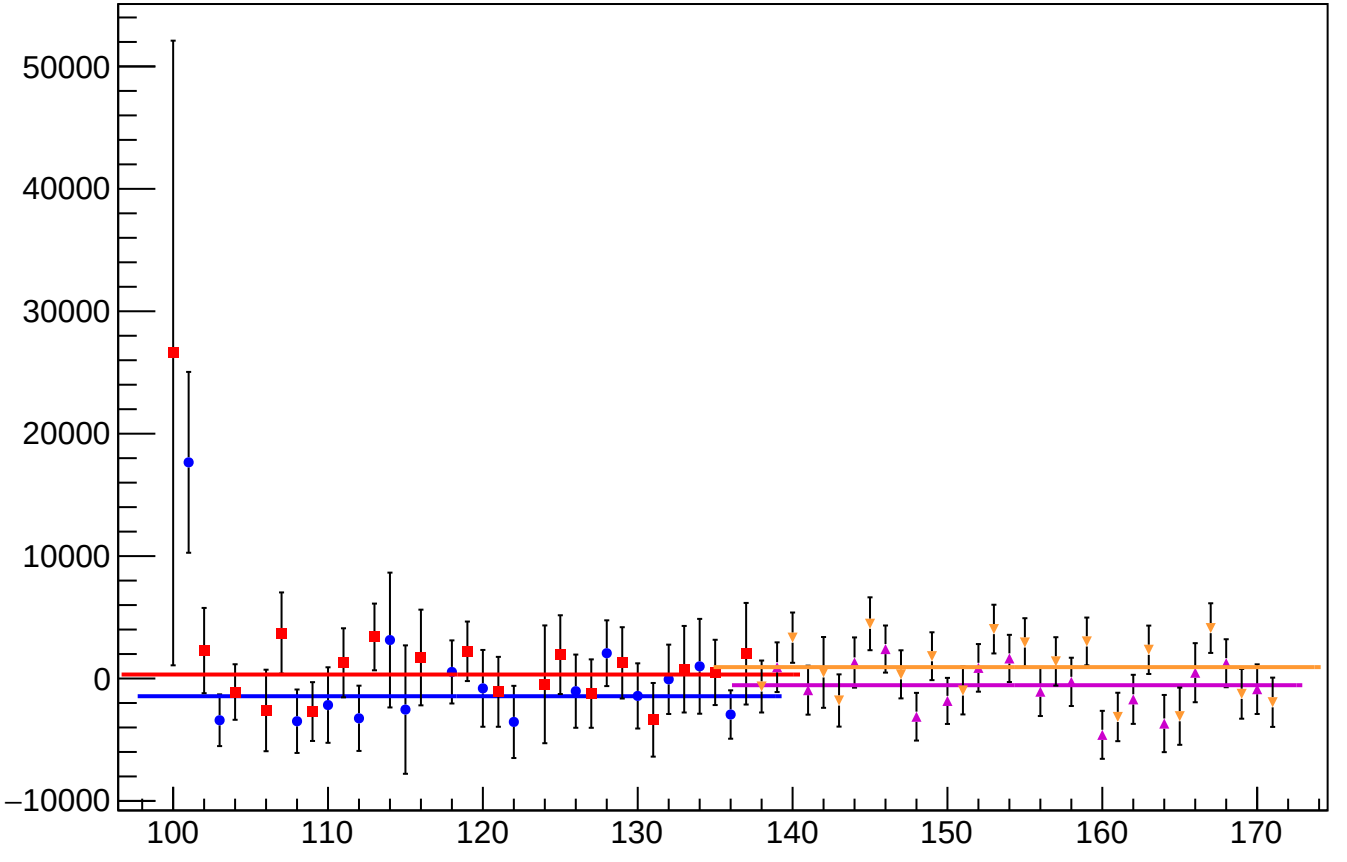
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4334204.2/31

Out: 0.000+/-0.000 χ^2/NDF:4249111.2/36

All: 0.000+/-0.000 χ^2/NDF: 8583574.4/68

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: -546.605+/-502.766 χ^2/NDF:15.3/15

Left: 218.364+/-349.133 χ^2/NDF: 45.3/33

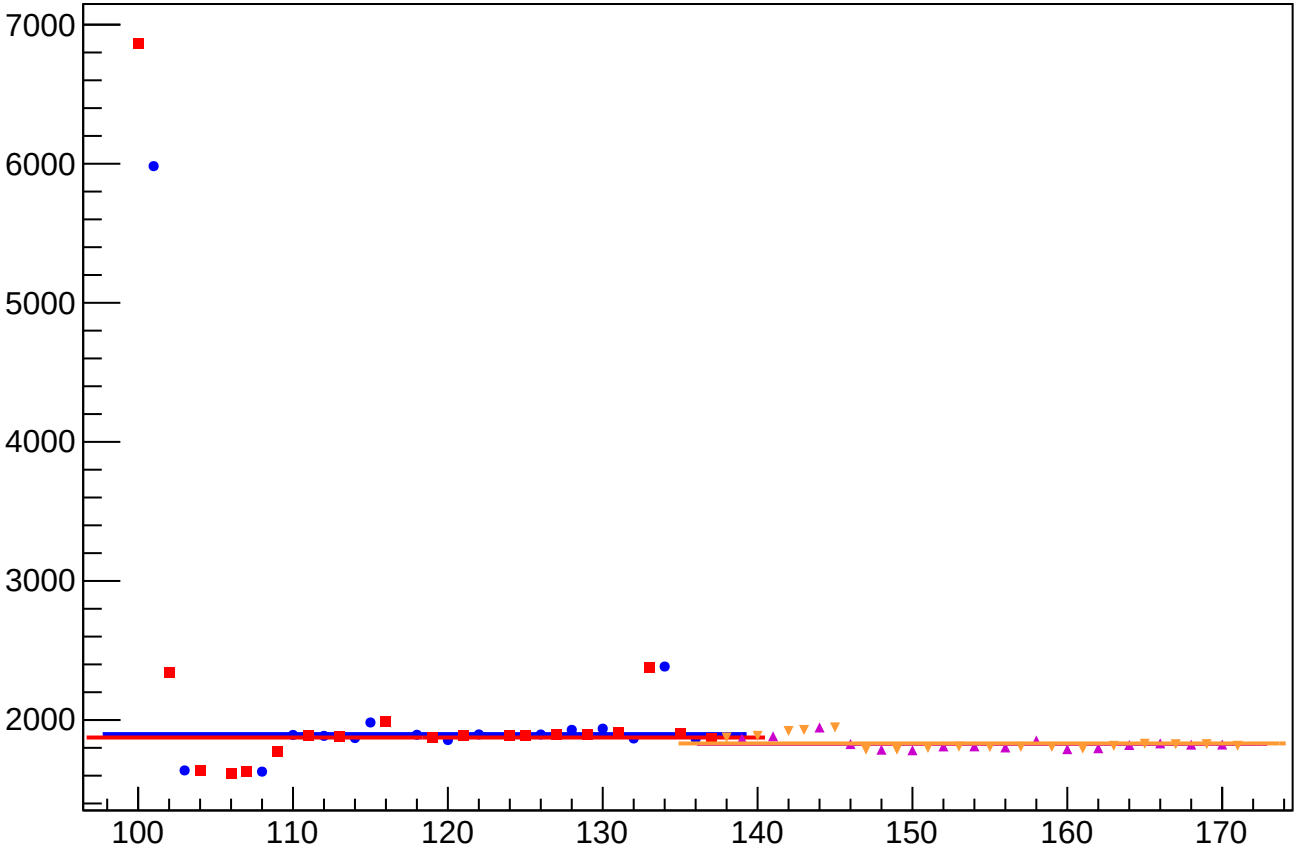
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -839.863+/-412.801 χ^2/NDF:29.9/31

Out: 735.501+/-399.259 χ^2/NDF:36.0/36

All: -25.917+/-286.986 χ^2/NDF: 73.4/68

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: 1827.717+/-0.356 χ^2/NDF:13160.1/15

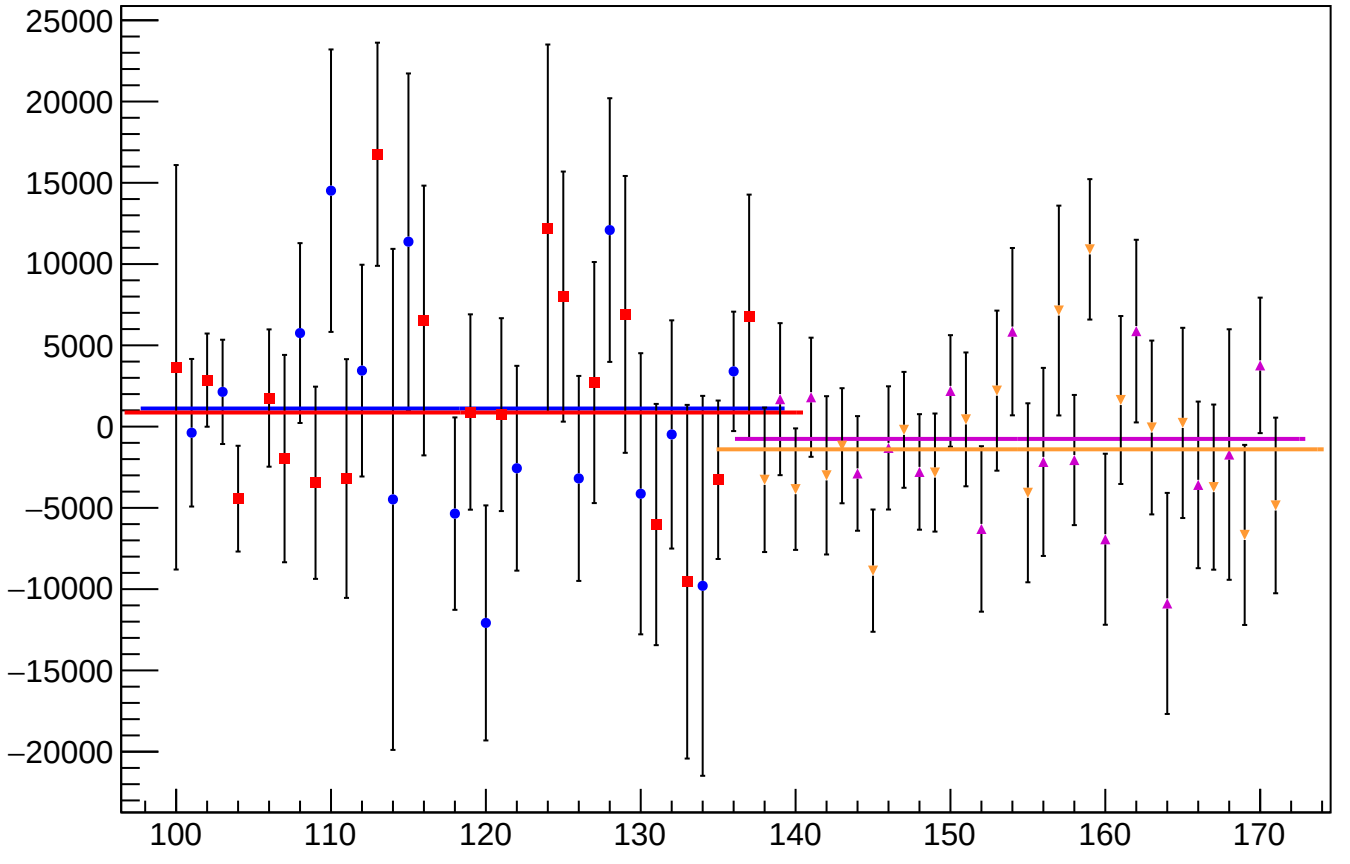
Left: 1829.738+/-0.247 χ^2/NDF: 32033.8/33

Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1850.889+/-0.292 χ^2/NDF:723711.5/31

Out: 1845.448+/-0.282 χ^2/NDF:231476.7/36

All: 1848.075+/-0.203 χ^2/NDF: 955367.9/68



Right In: 1112.704+/-1479.265 χ^2/NDF: 13.4/15

Left Out: -1397.929+/-1061.593 χ^2/NDF:17.8/17

Right Out: 866.976+/-1307.223 χ^2/NDF: 15.6/18

Left In: -757.298+/-1114.788 χ^2/NDF:11.7/15

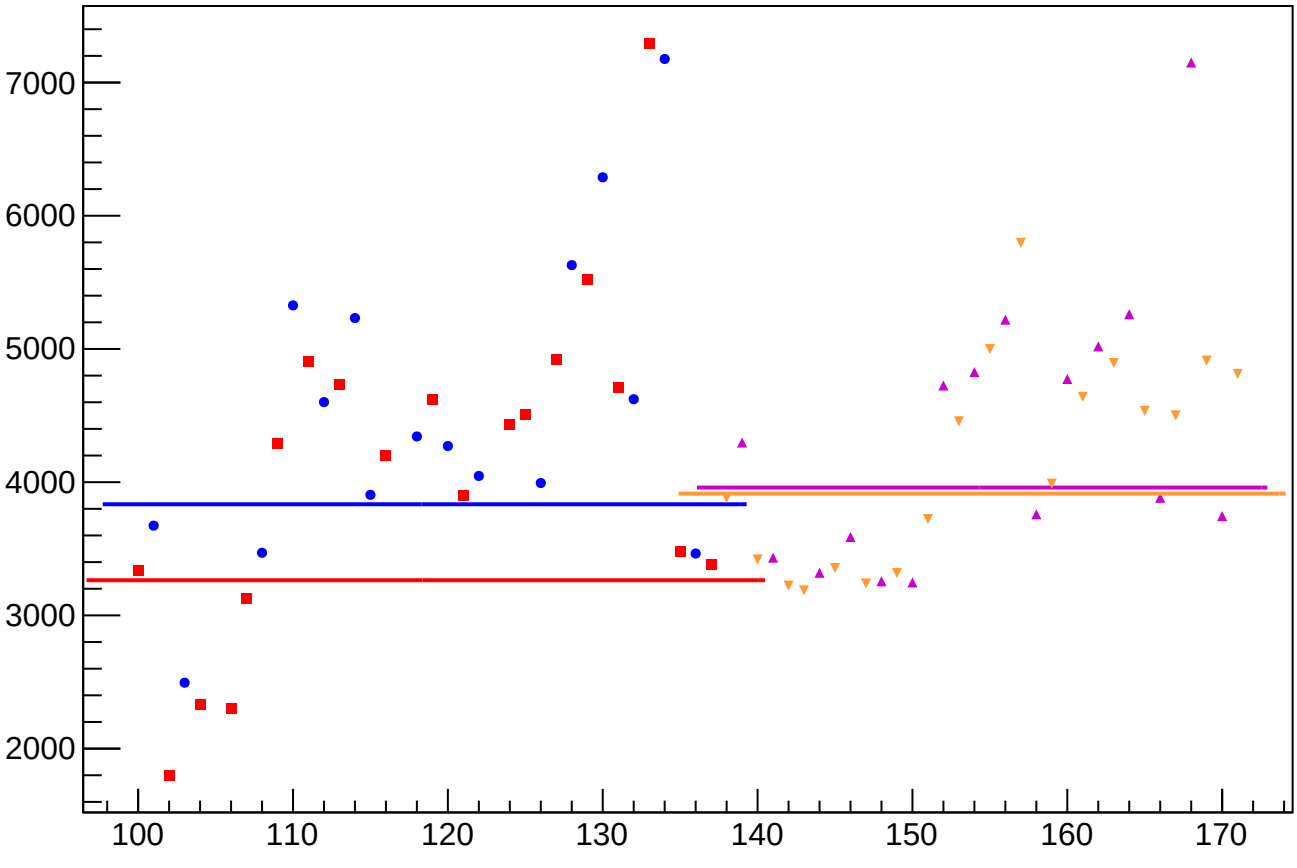
Left: -1093.262+/-768.778 χ^2/NDF: 29.6/33

Right: 974.726+/-979.552 χ^2/NDF: 29.0/34

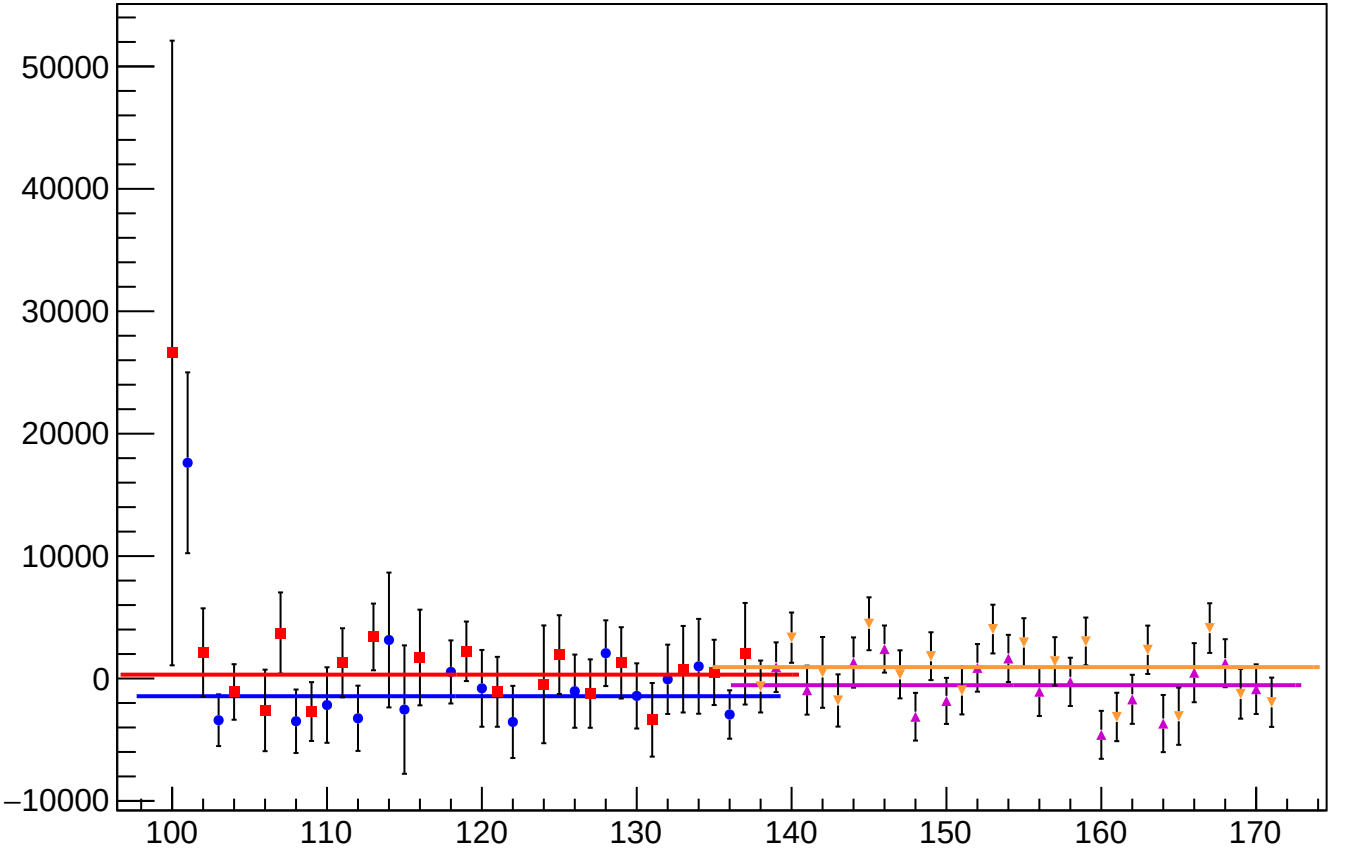
In: -79.955+/-890.286 χ^2/NDF:26.1/31

Out: -497.833+/-824.080 χ^2/NDF:35.2/36

All: -305.008+/-604.765 χ^2/NDF: 61.4/68


asym_atr_dd_reg_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3834.164+/-1.046 χ²/NDF: 956775.6/15
Left Out: 3913.968+/-0.751 χ²/NDF:882229.5/17
Right Out: 3264.110+/-0.924 χ²/NDF: 1864241.4/18
Left In: 3959.632+/-0.788 χ²/NDF:1043867.2/15
Left: 3935.684+/-0.544 χ²/NDF: 1927856.5/33
Right: 3514.075+/-0.693 χ²/NDF: 2987789.5/34
In: 3914.185+/-0.630 χ²/NDF:2009819.3/31
Out: 3655.708+/-0.583 χ²/NDF:3044314.9/36
All: 3774.979+/-0.428 χ²/NDF: 5144926.9/68

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: -546.539+/-502.766 χ^2/NDF:15.3/15

Left: 218.452+/-349.133 χ^2/NDF: 45.3/33

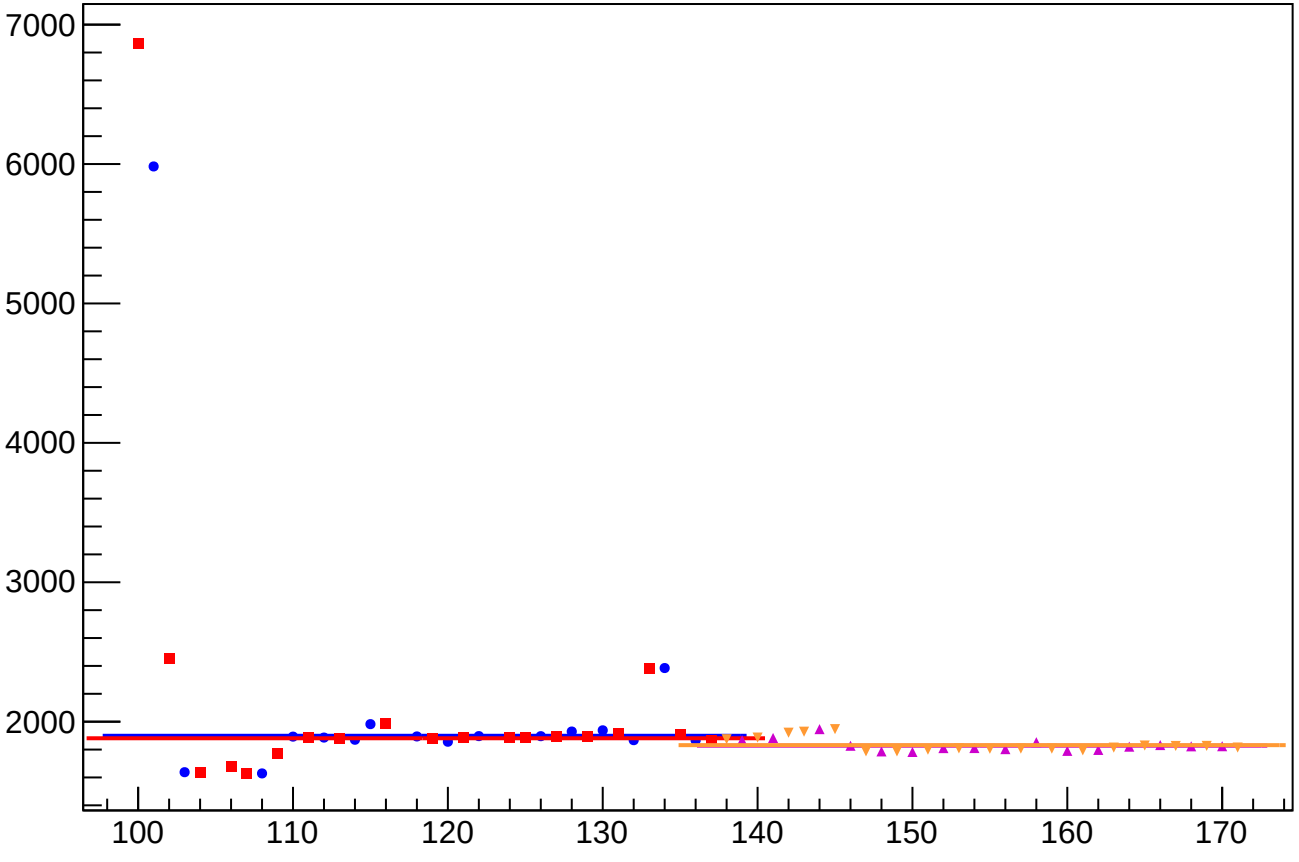
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -839.944+/-412.801 χ^2/NDF:29.8/31

Out: 732.564+/-399.432 χ^2/NDF:36.0/36

All: -27.815+/-287.051 χ^2/NDF: 73.3/68

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: 1827.717+/-0.356 χ^2/NDF:13160.1/15

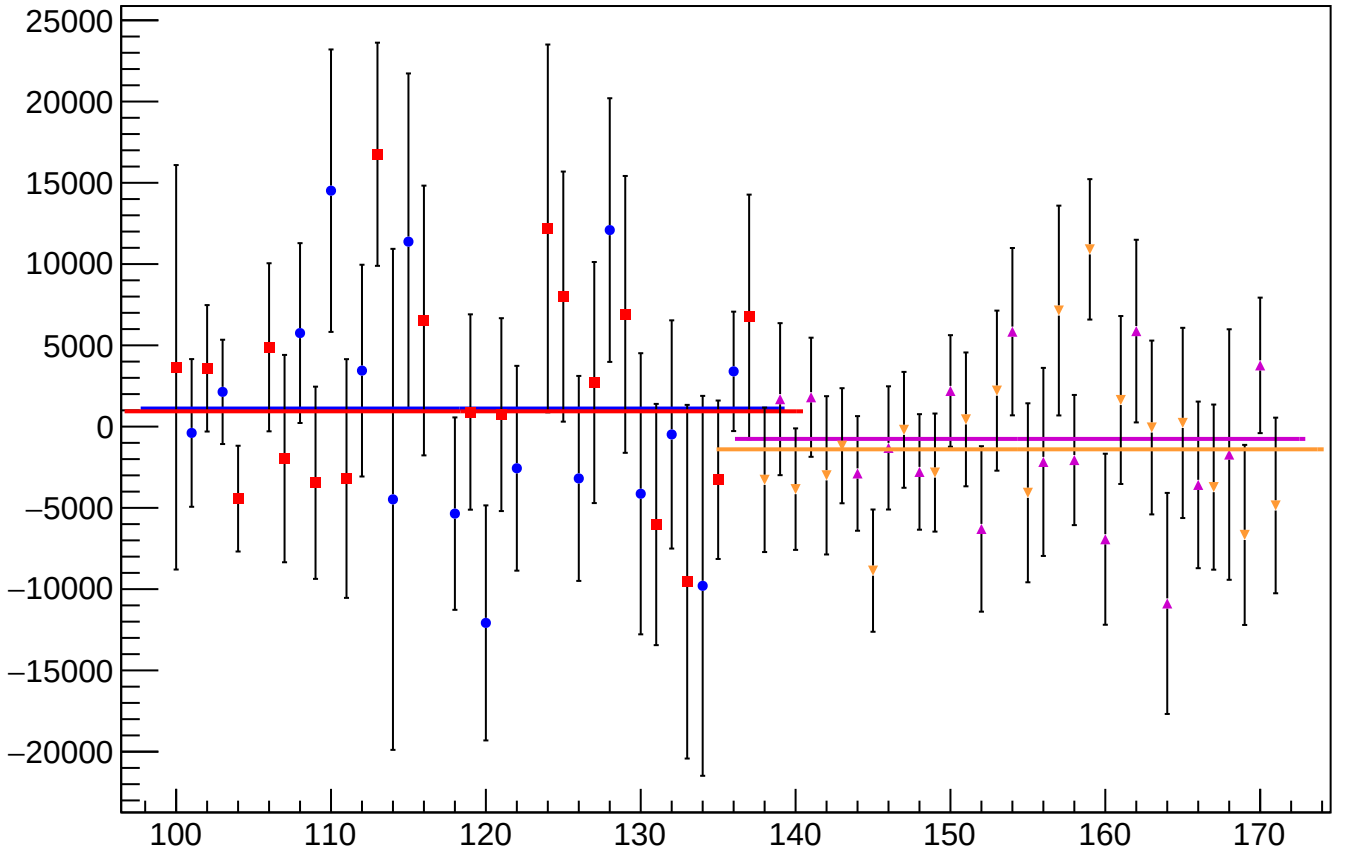
Left: 1829.738+/-0.247 χ^2/NDF: 32033.8/33

Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1850.889+/-0.292 χ^2/NDF:723711.6/31

Out: 1847.571+/-0.282 χ^2/NDF:242067.4/36

All: 1849.174+/-0.203 χ^2/NDF: 965845.8/68



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1397.912+/-1061.592 χ^2/NDF:17.8/17

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -757.351+/-1114.787 χ^2/NDF:11.7/15

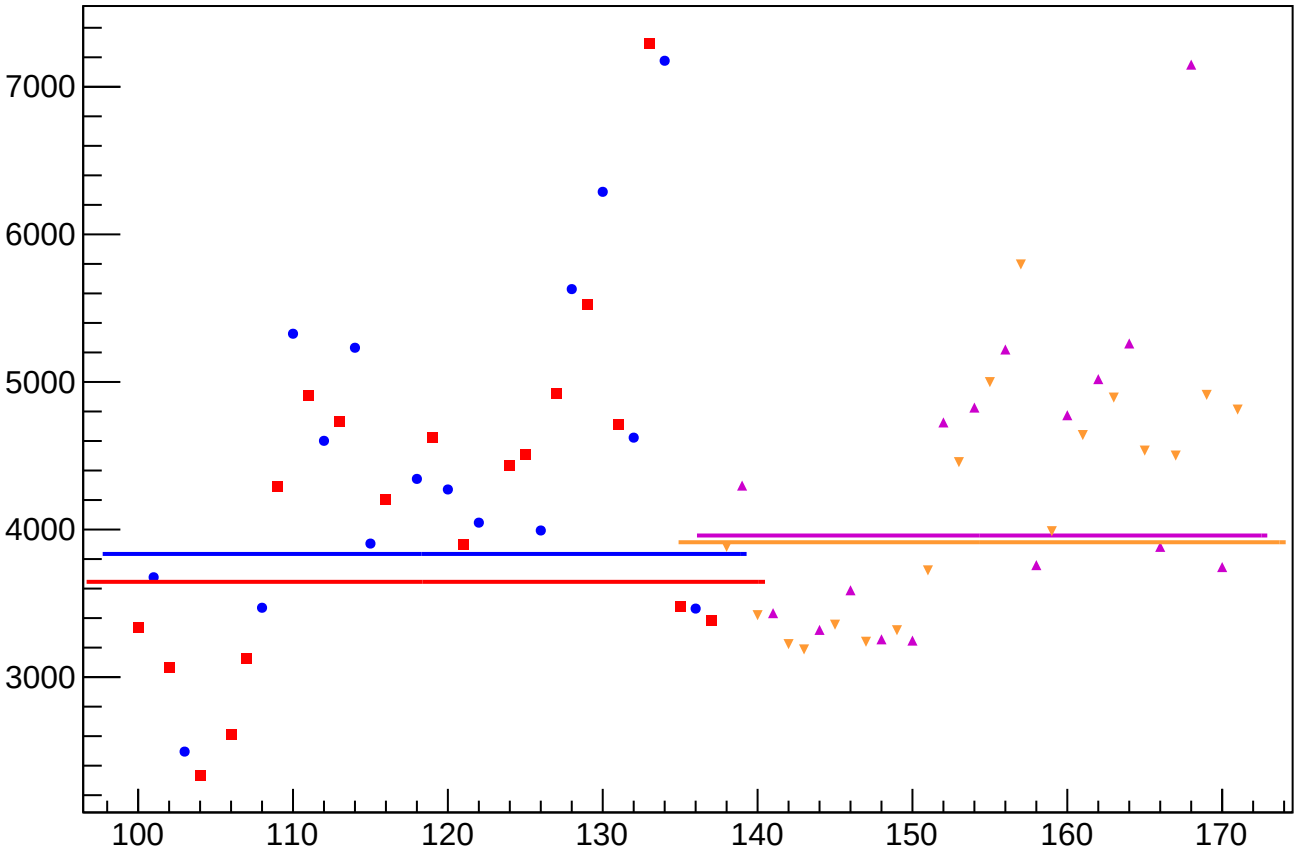
Left: -1093.279+/-768.777 χ^2/NDF: 29.6/33

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: -80.515+/-890.323 χ^2/NDF:26.1/31

Out: -543.359+/-845.677 χ^2/NDF:35.7/36

All: -323.832+/-613.160 χ^2/NDF: 61.9/68



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: 3959.625+/-0.788 χ^2/NDF:1043881.7/15

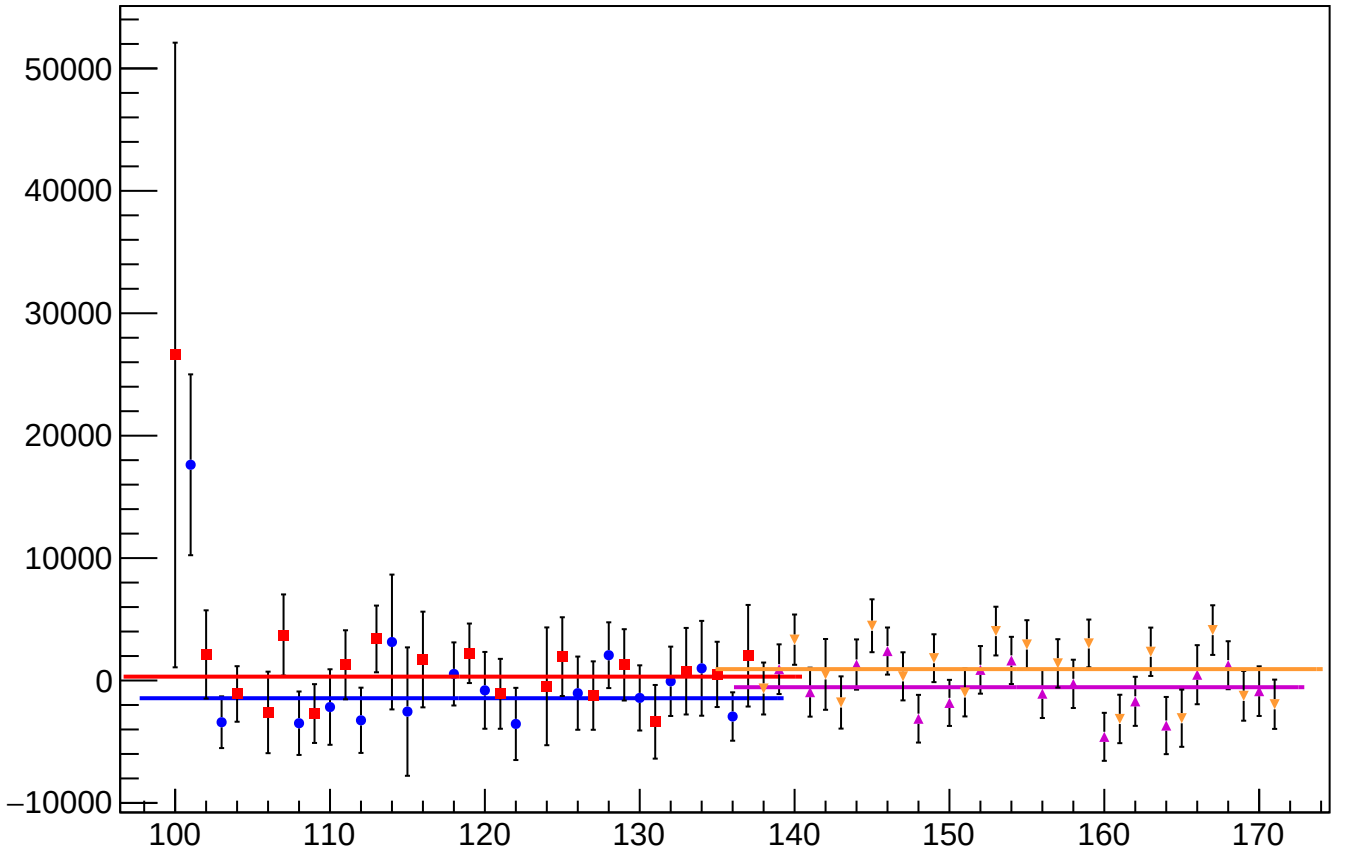
Left: 3935.679+/-0.544 χ^2/NDF: 1927863.1/33

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3914.378+/-0.630 χ^2/NDF:2009291.3/31

Out: 3815.934+/-0.598 χ^2/NDF:2053874.7/36

All: 3862.626+/-0.434 χ^2/NDF: 4076020.5/68



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: -546.539+/-502.766 χ^2/NDF:15.3/15

Left: 218.452+/-349.133 χ^2/NDF: 45.3/33

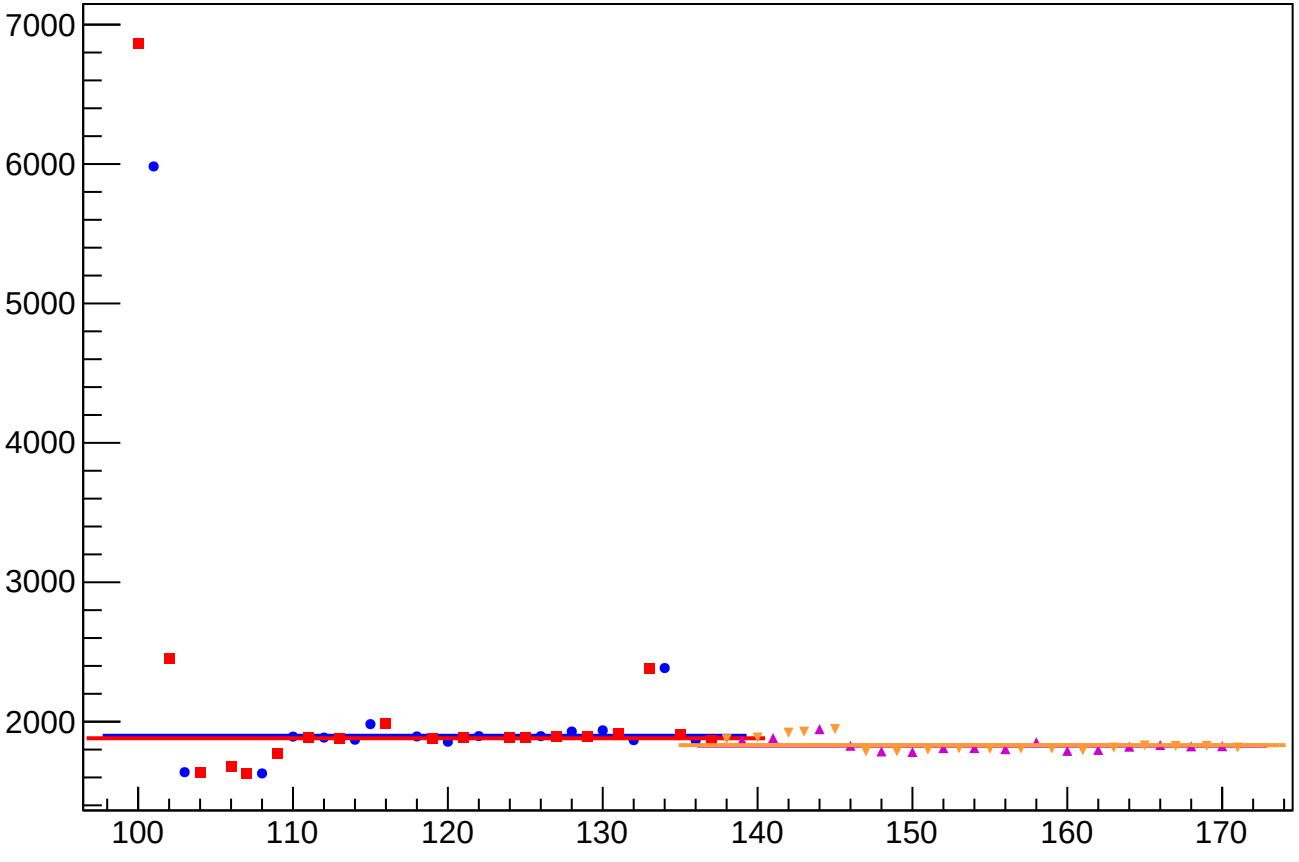
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -839.944+/-412.801 χ^2/NDF:29.8/31

Out: 732.564+/-399.432 χ^2/NDF:36.0/36

All: -27.815+/-287.051 χ^2/NDF: 73.3/68

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.621+/-0.343 χ^2/NDF:18811.2/17

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1827.717+/-0.356 χ^2/NDF:13160.1/15

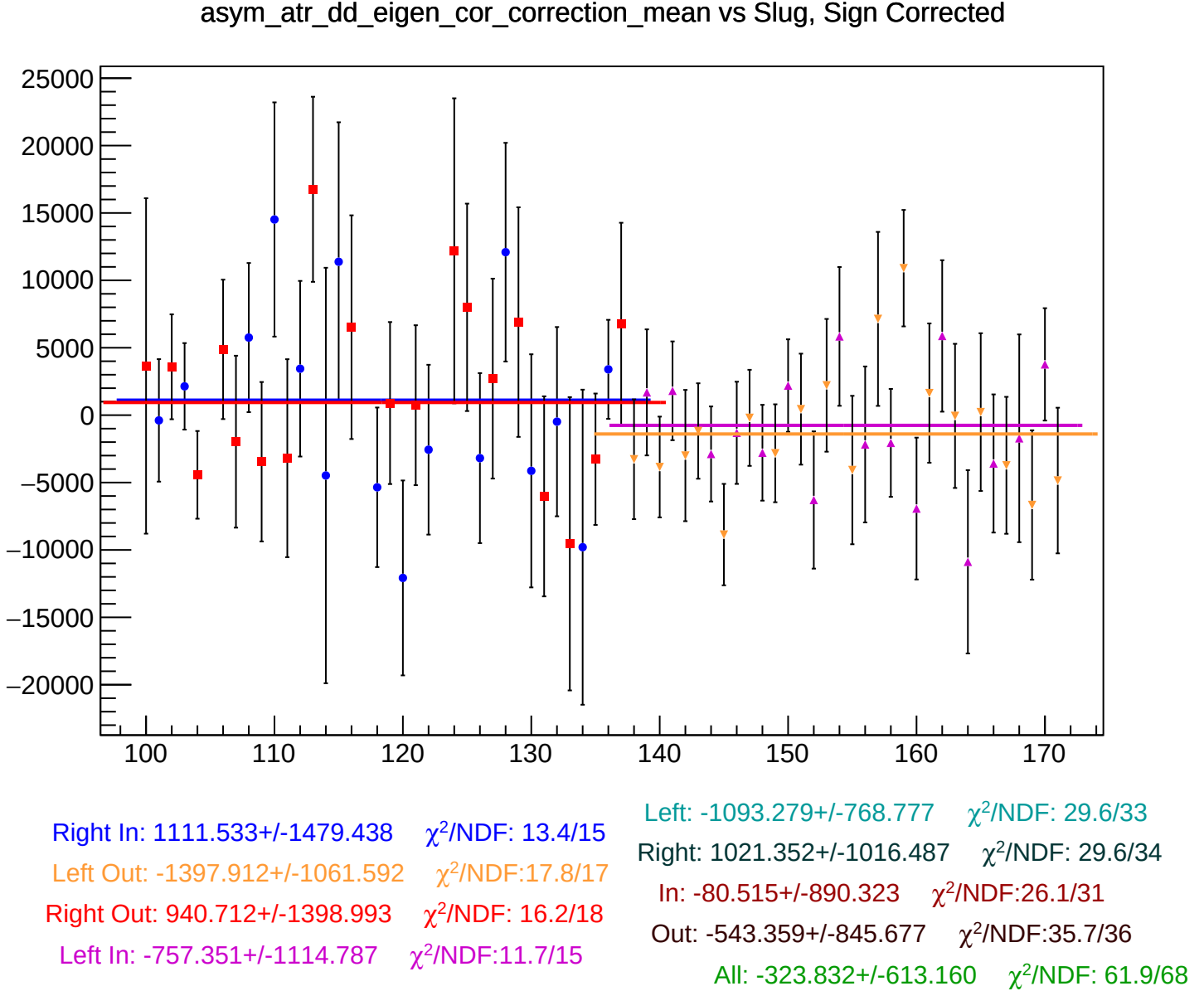
Left: 1829.738+/-0.247 χ^2/NDF: 32033.8/33

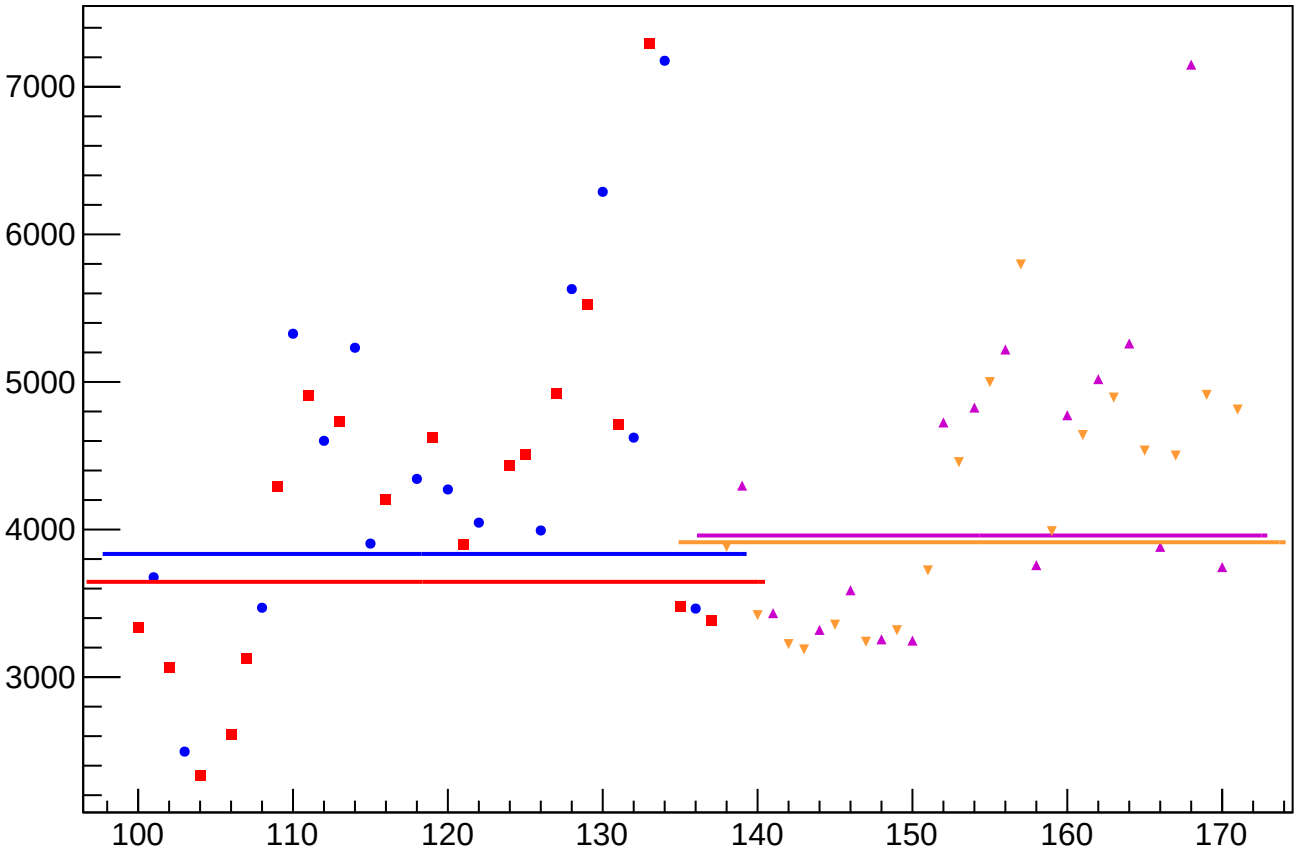
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1850.889+/-0.292 χ^2/NDF:723711.6/31

Out: 1847.571+/-0.282 χ^2/NDF:242067.4/36

All: 1849.174+/-0.203 χ^2/NDF: 965845.8/68


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: -757.351+/-1114.787 χ²/NDF:11.7/15
Left: -1093.279+/-768.777 χ²/NDF: 29.6/33
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: -80.515+/-890.323 χ²/NDF:26.1/31
Out: -543.359+/-845.677 χ²/NDF:35.7/36
All: -323.832+/-613.160 χ²/NDF: 61.9/68



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: 3959.625+/-0.788 χ^2/NDF:1043881.7/15

Left: 3935.679+/-0.544 χ^2/NDF: 1927863.1/33

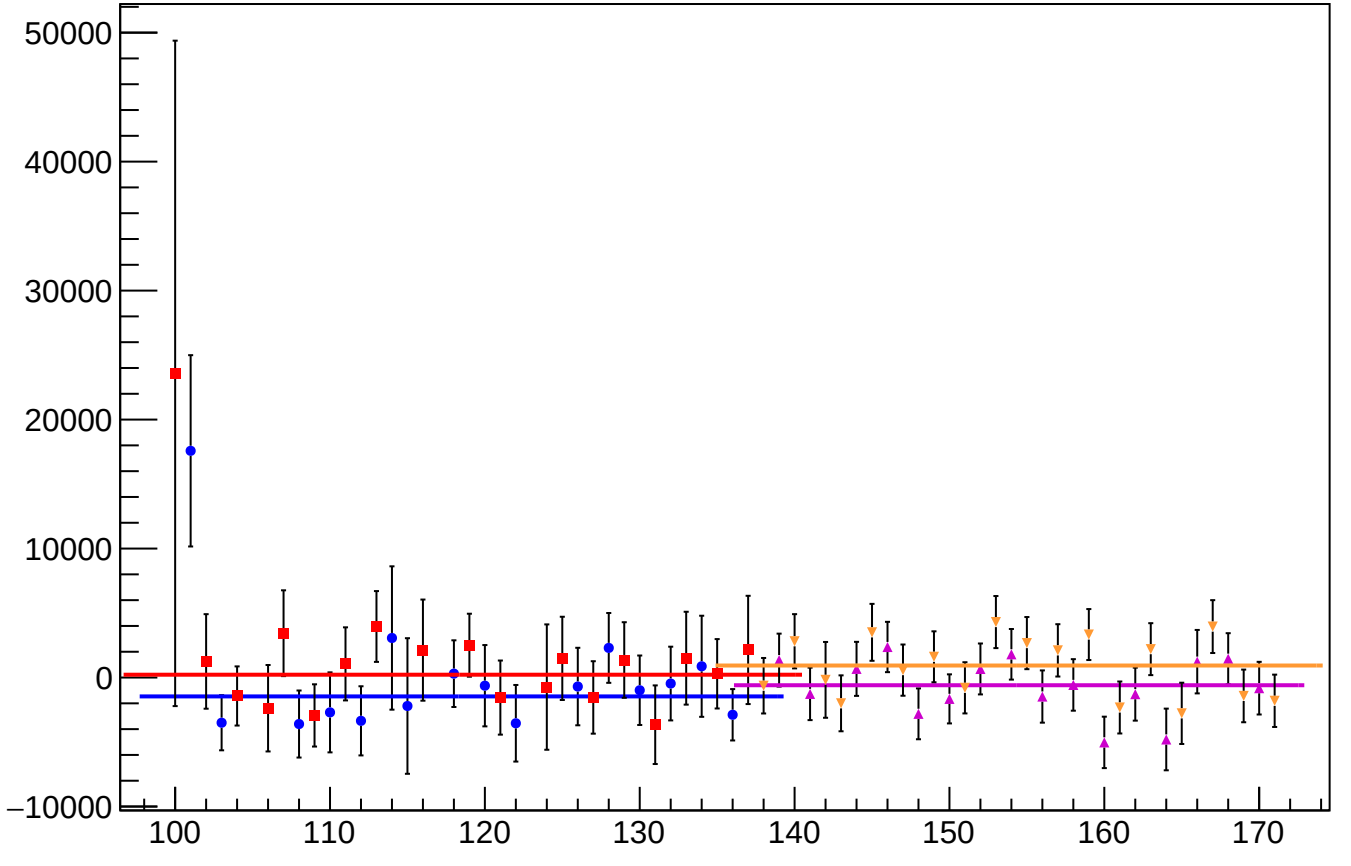
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3914.378+/-0.630 χ^2/NDF:2009291.3/31

Out: 3815.934+/-0.598 χ^2/NDF:2053874.7/36

All: 3862.626+/-0.434 χ^2/NDF: 4076020.5/68

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: -595.893+/-510.441 χ^2/NDF:17.1/15

Left: 195.644+/-354.456 χ^2/NDF: 43.5/33

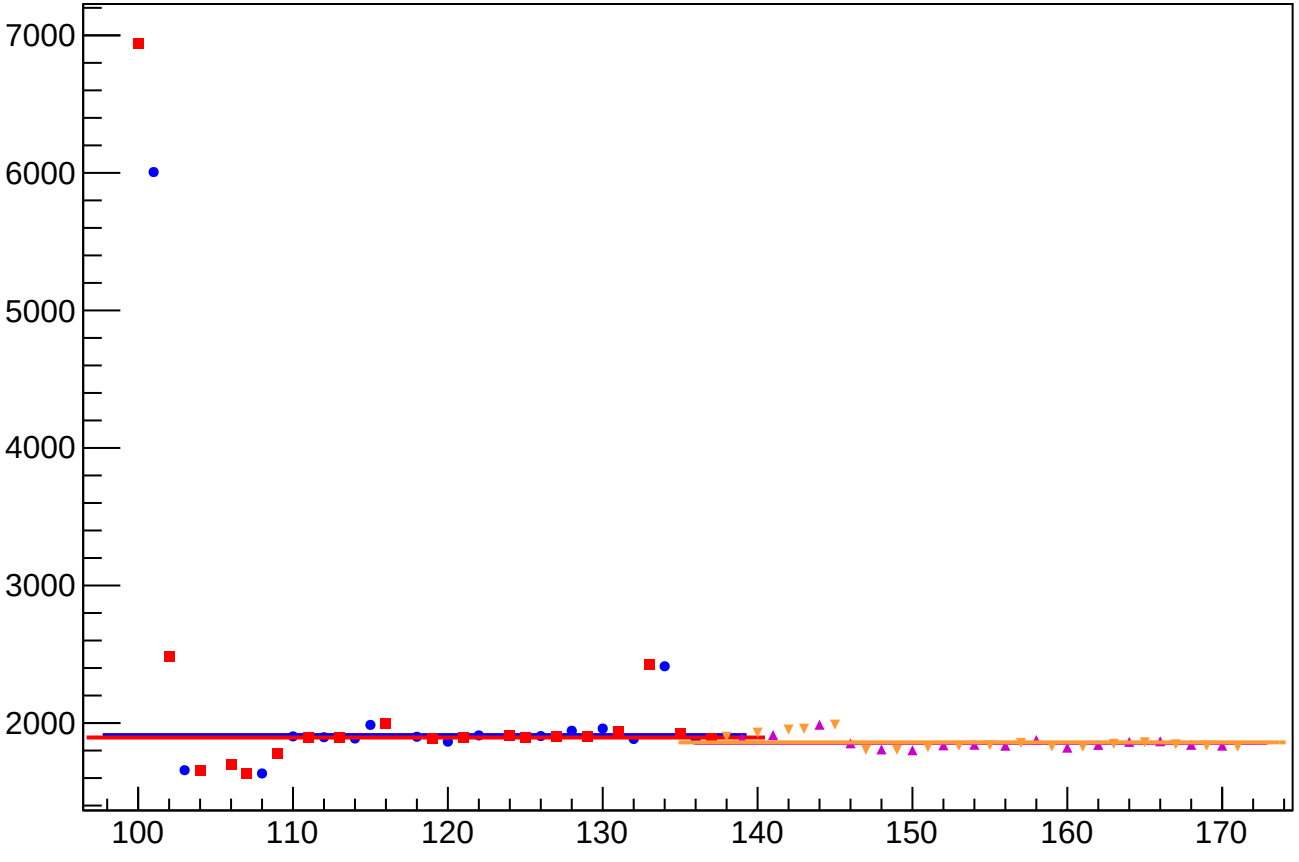
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -881.418+/-417.994 χ^2/NDF:31.7/31

Out: 700.580+/-404.510 χ^2/NDF:33.2/36

All: -64.490+/-290.682 χ^2/NDF: 72.2/68

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: 1855.528+/-0.361 χ^2/NDF:14516.3/15

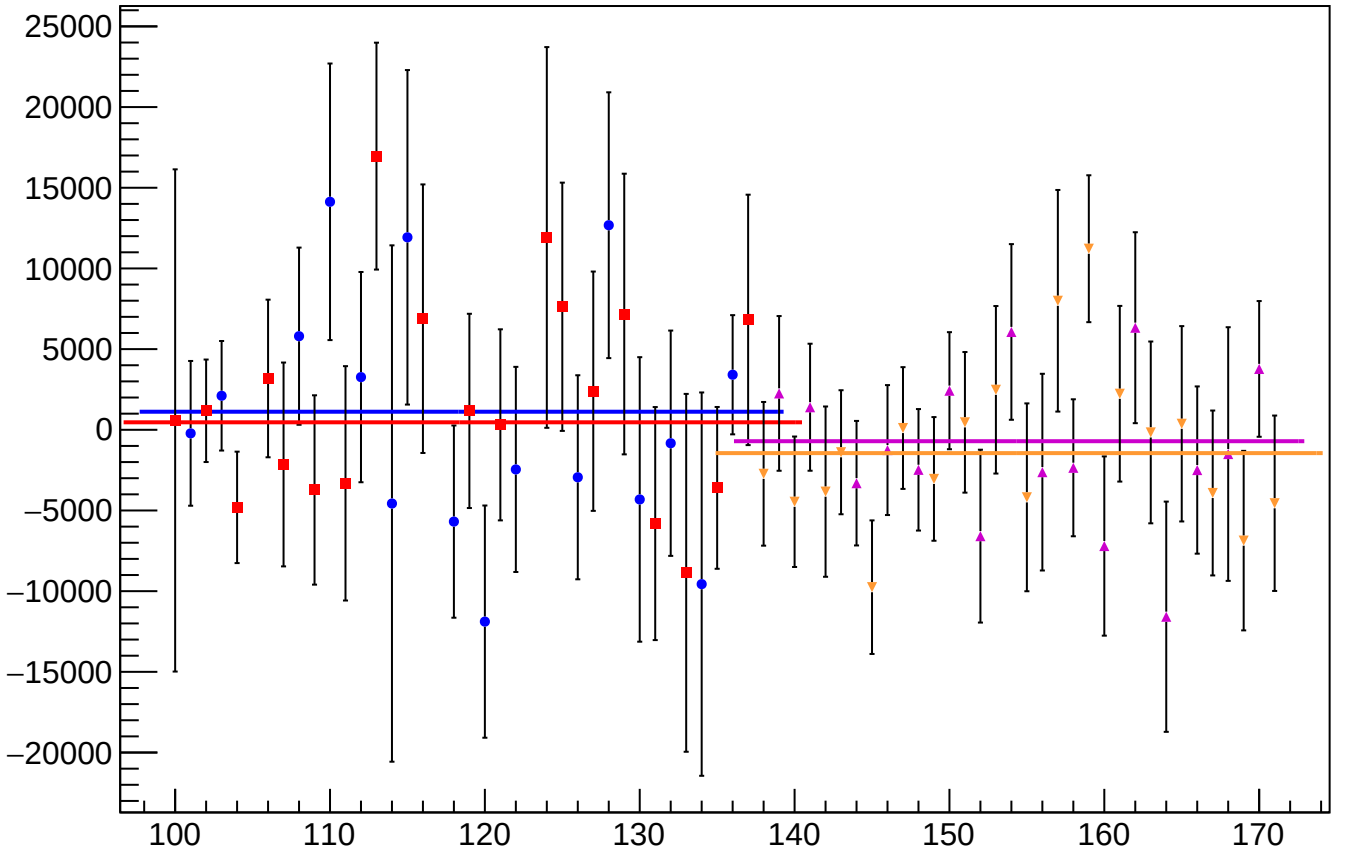
Left: 1857.523+/-0.251 χ^2/NDF: 36509.8/33

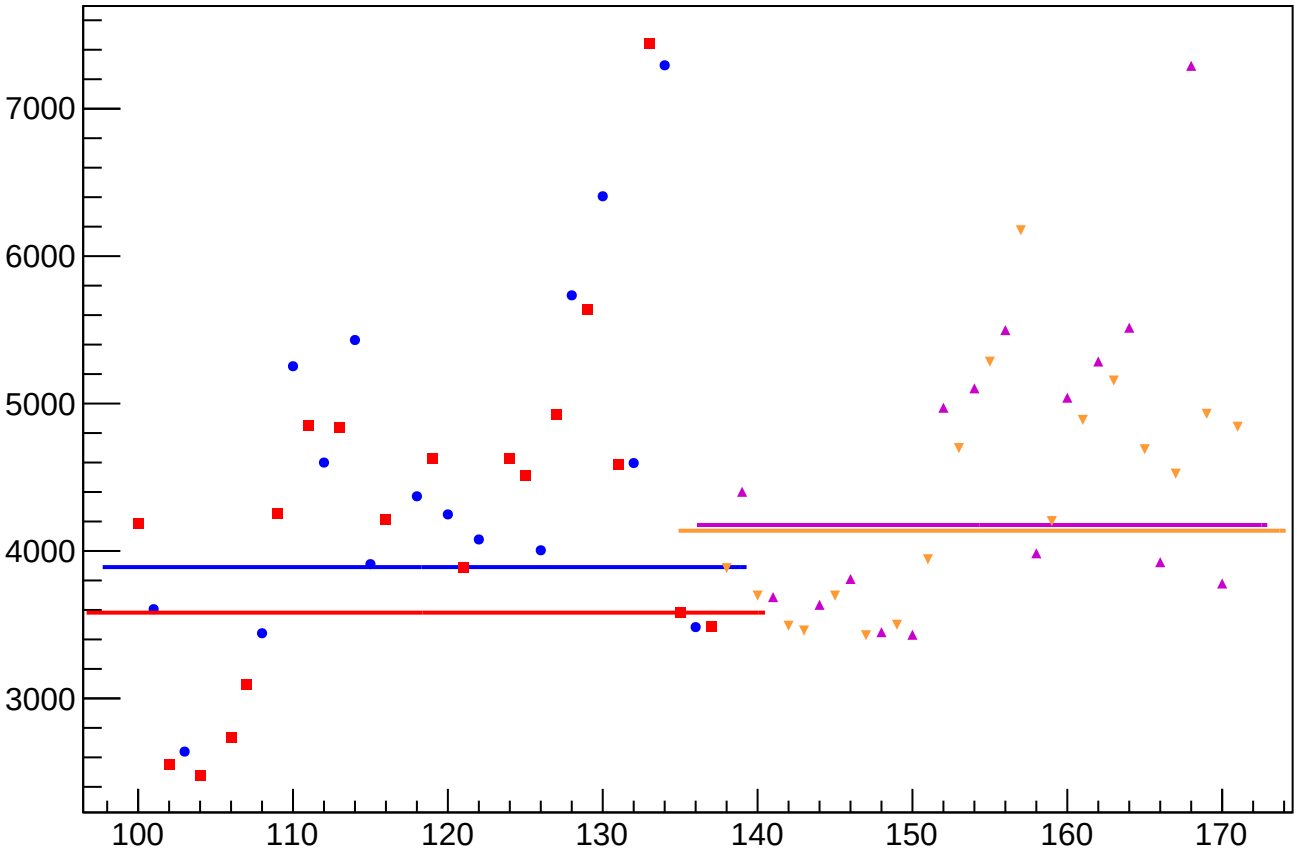
Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1874.256+/-0.296 χ^2/NDF:718909.1/31

Out: 1870.920+/-0.286 χ^2/NDF:245081.6/36

All: 1872.532+/-0.206 χ^2/NDF: 964056.5/68


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: -706.898+/-1174.371 χ²/NDF:11.5/15
Left: -1093.576+/-810.336 χ²/NDF: 29.6/33
Right: 763.326+/-1011.192 χ²/NDF: 28.6/34
In: -11.237+/-924.139 χ²/NDF:25.9/31
Out: -681.011+/-867.121 χ²/NDF:34.1/36
All: -367.422+/-632.344 χ²/NDF: 60.3/68



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: 4176.274+/-0.830 χ^2/NDF:976034.6/15

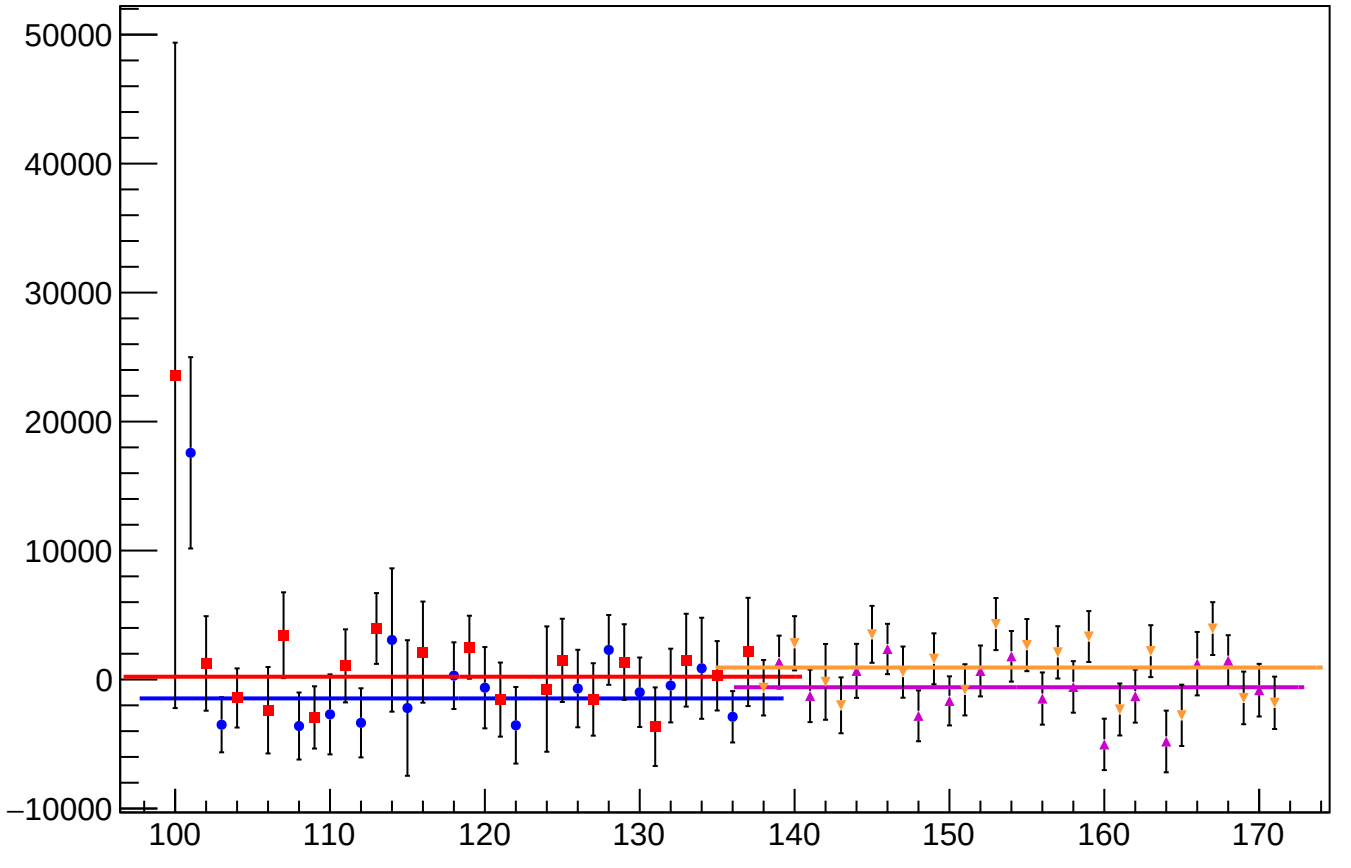
Left: 4155.919+/-0.573 χ^2/NDF: 1735331.8/33

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

In: 4067.544+/-0.653 χ^2/NDF:1899480.0/31

Out: 3915.092+/-0.613 χ^2/NDF:2177117.8/36

All: 3986.470+/-0.447 χ^2/NDF: 4105542.5/68



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: -595.896+/-510.441 χ^2/NDF:17.1/15

Left: 195.646+/-354.457 χ^2/NDF: 43.5/33

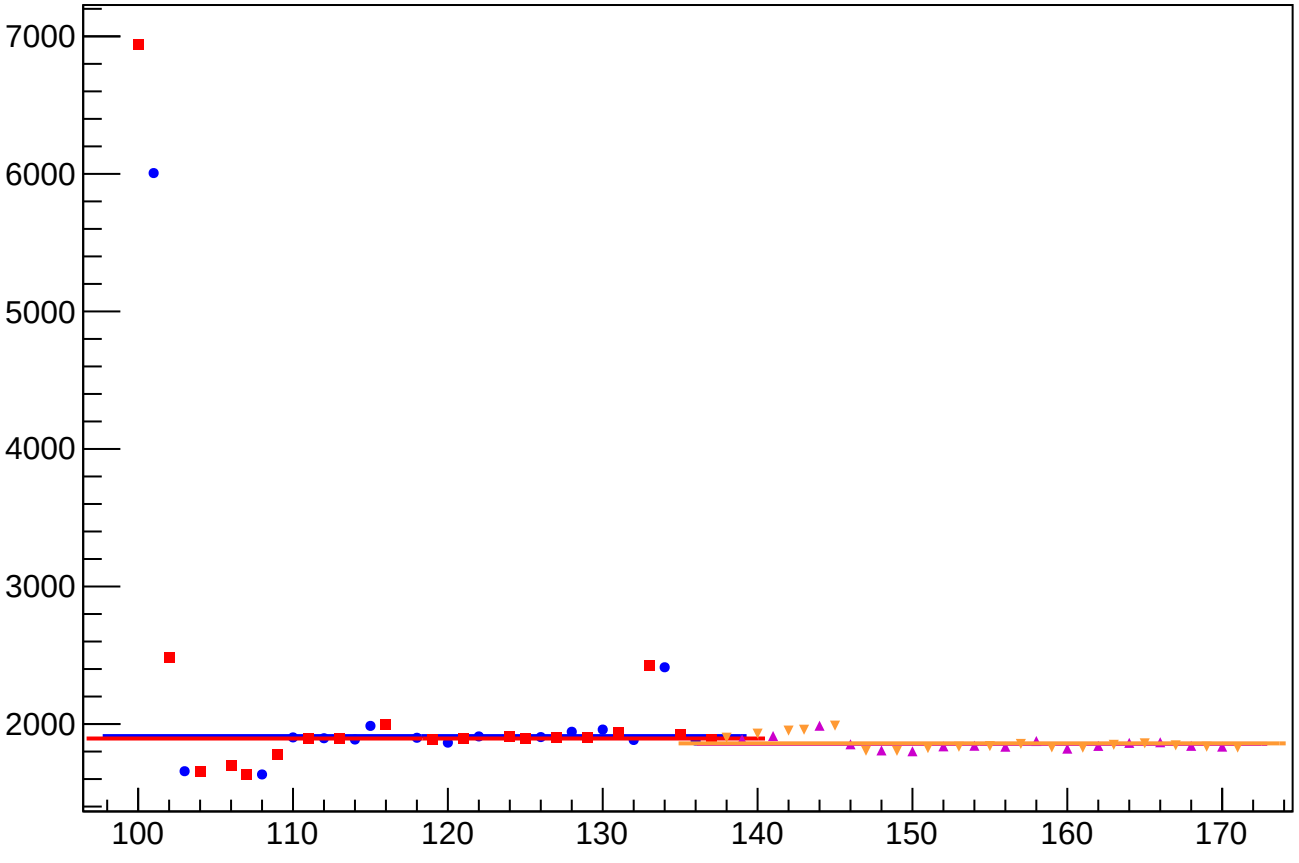
Right: -598.730+/-507.962 χ^2/NDF: 27.1/34

In: -881.422+/-417.995 χ^2/NDF:31.7/31

Out: 700.582+/-404.510 χ^2/NDF:33.2/36

All: -64.490+/-290.682 χ^2/NDF: 72.2/68

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: 1855.529+/-0.361 χ^2/NDF:14516.2/15

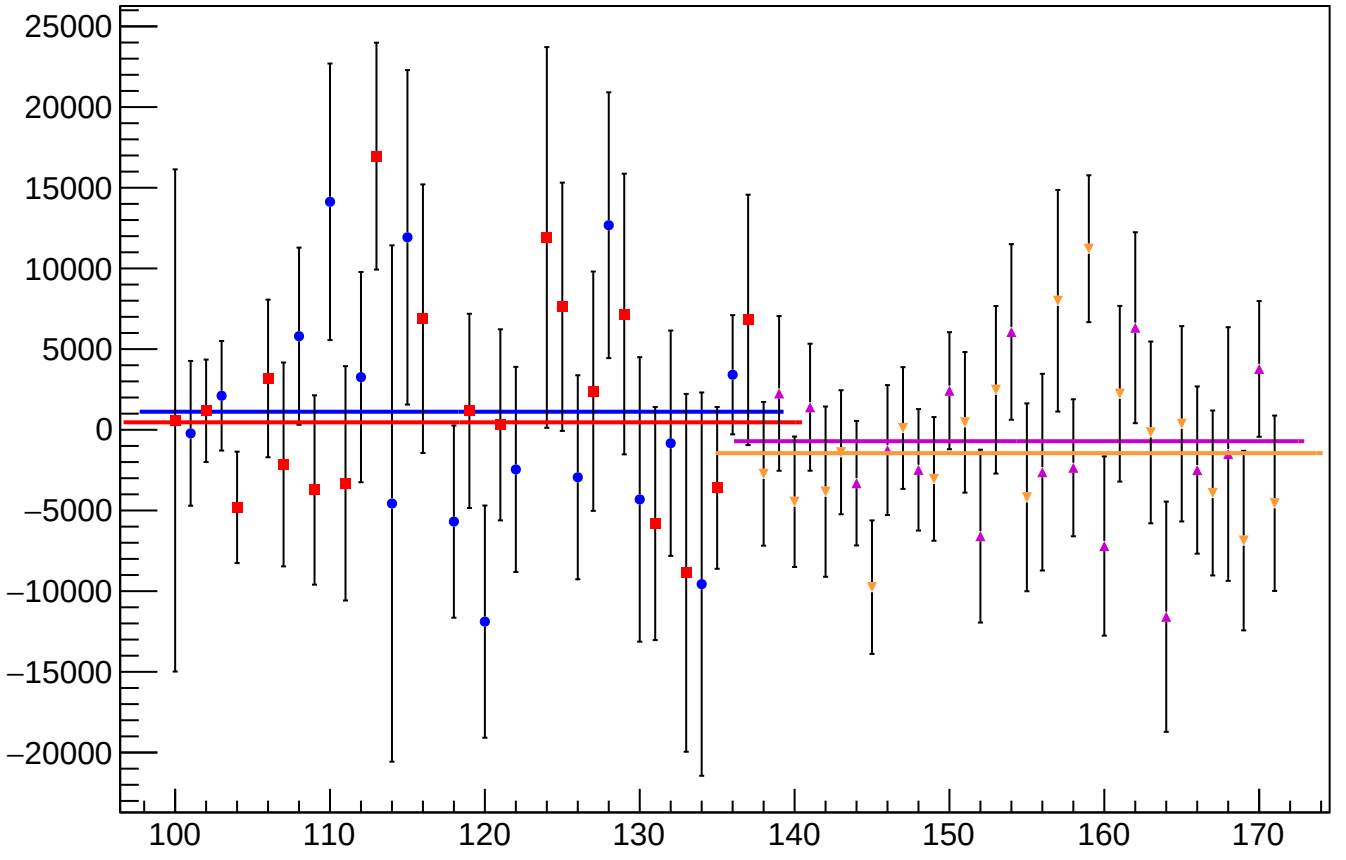
Left: 1857.523+/-0.251 χ^2/NDF: 36509.7/33

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1874.256+/-0.296 χ^2/NDF:718908.6/31

Out: 1870.920+/-0.286 χ^2/NDF:245081.4/36

All: 1872.533+/-0.206 χ^2/NDF: 964055.9/68



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1445.006+/-1119.570 χ^2/NDF:17.9/17

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -706.896+/-1174.373 χ^2/NDF:11.5/15

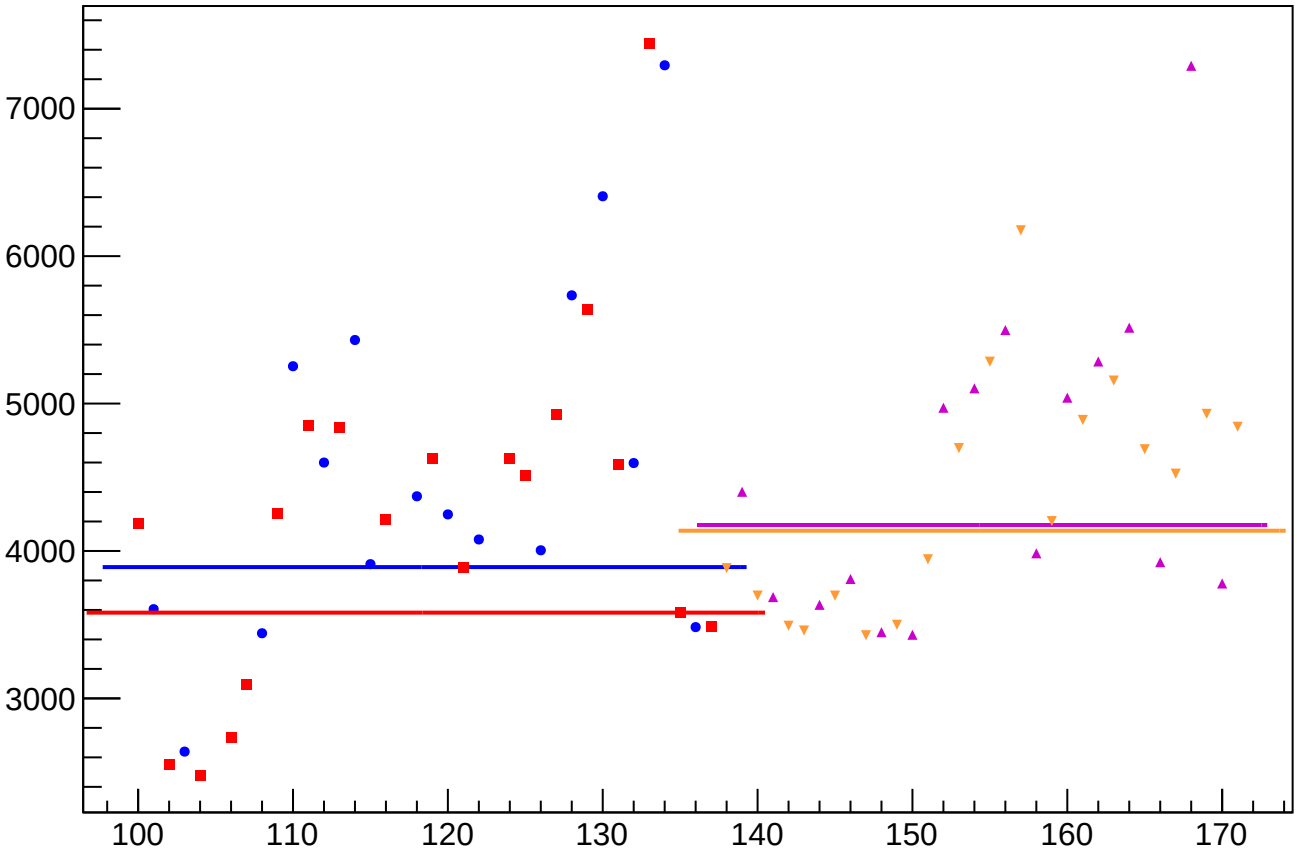
Left: -1093.574+/-810.337 χ^2/NDF: 29.6/33

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

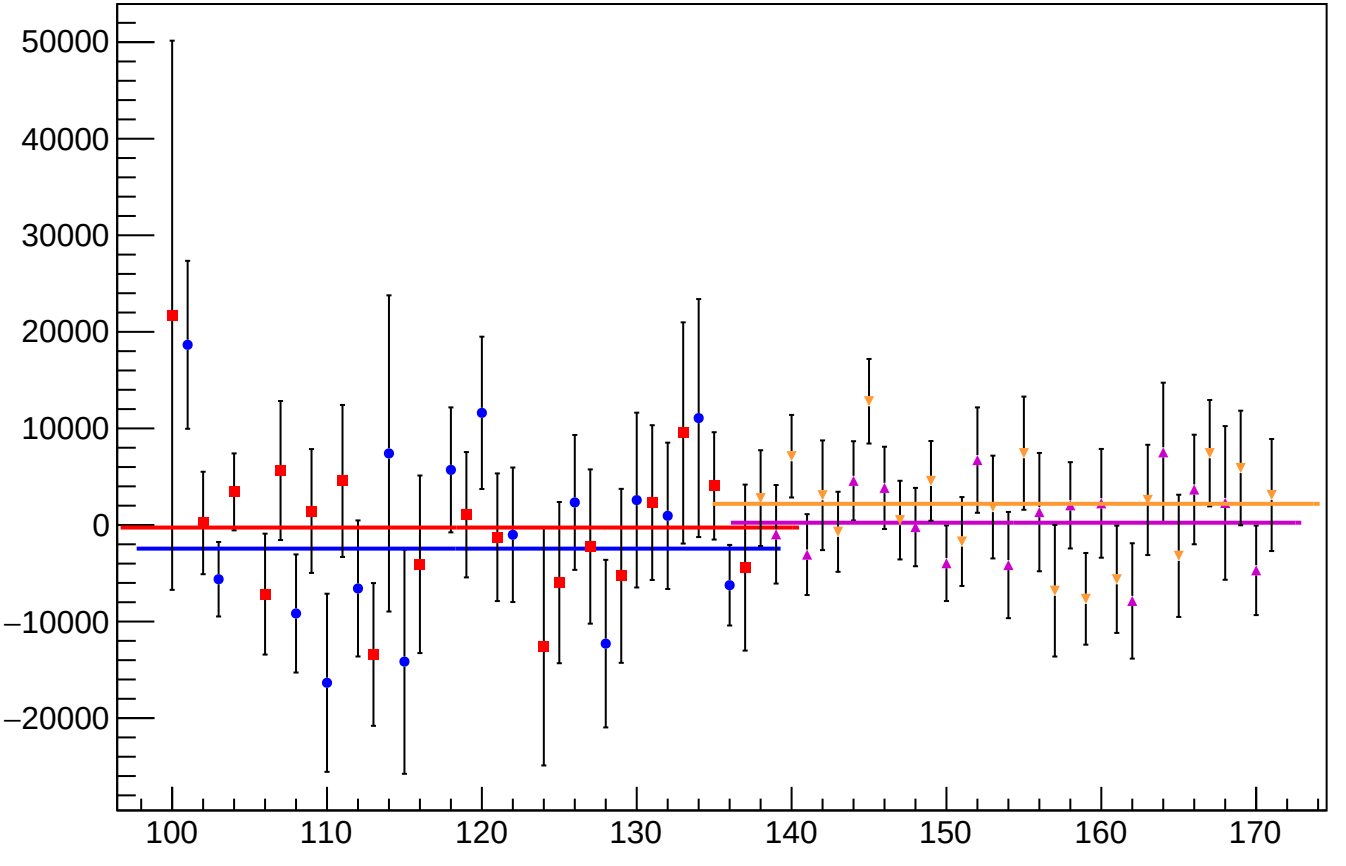
In: -11.238+/-924.140 χ^2/NDF:25.9/31

Out: -681.008+/-867.121 χ^2/NDF:34.1/36

All: -367.421+/-632.345 χ^2/NDF: 60.3/68


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: 4176.280+/-0.830 χ²/NDF:976037.1/15
Left: 4155.925+/-0.573 χ²/NDF: 1735334.6/33
Right: 3722.606+/-0.715 χ²/NDF: 2146560.1/34
In: 4067.546+/-0.653 χ²/NDF:1899476.2/31
Out: 3915.094+/-0.613 χ²/NDF:2177116.2/36
All: 3986.472+/-0.447 χ²/NDF: 4105537.2/68

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: 235.053+/-1239.105 χ^2/NDF:10.5/15

Left: 1257.745+/-856.346 χ^2/NDF: 31.6/33

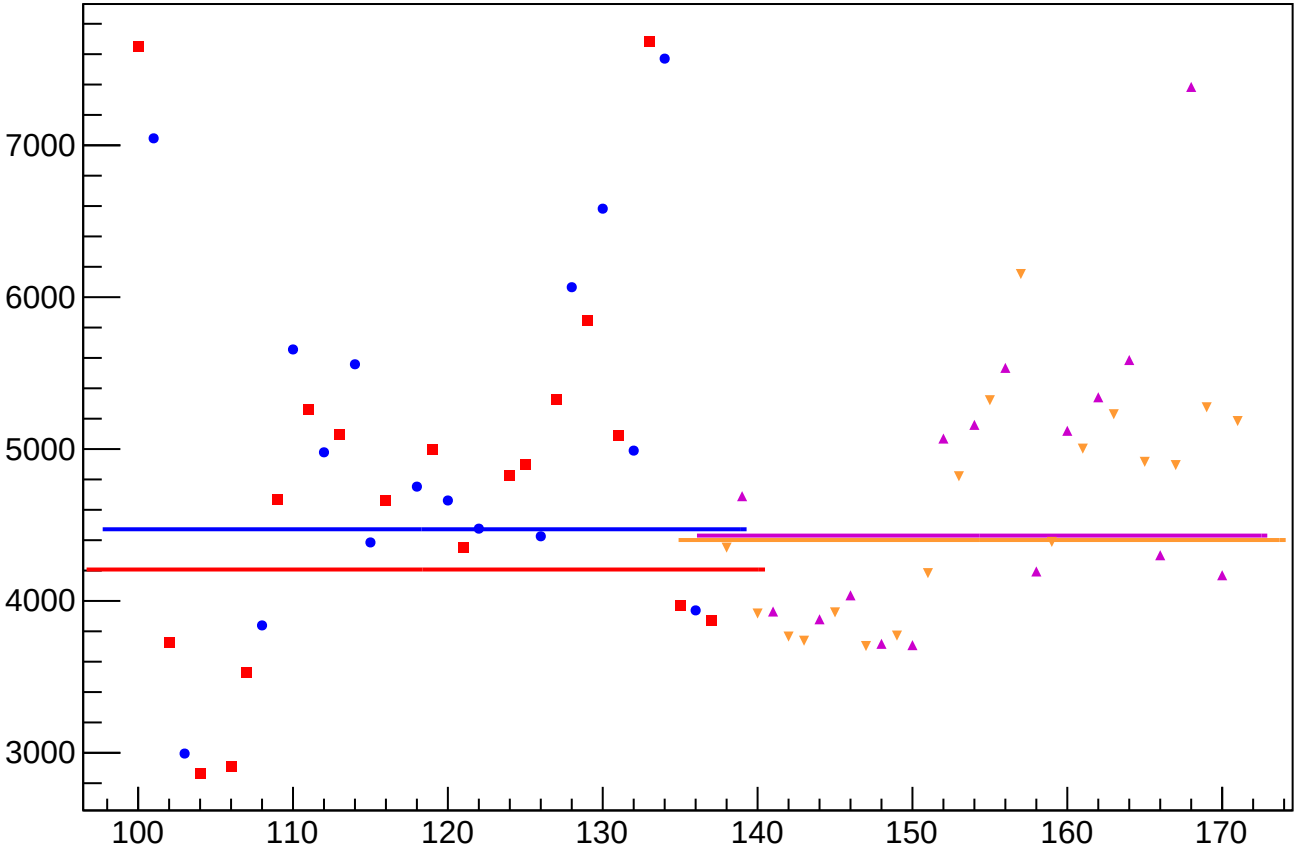
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -681.965+/-1005.320 χ^2/NDF:32.9/31

Out: 1337.733+/-956.873 χ^2/NDF:32.0/36

All: 377.720+/-693.106 χ^2/NDF: 67.1/68

asym_atr_dd_rms vs Slug, Sign Corrected



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: 4430.240+/-0.876 χ^2/NDF:760222.5/15

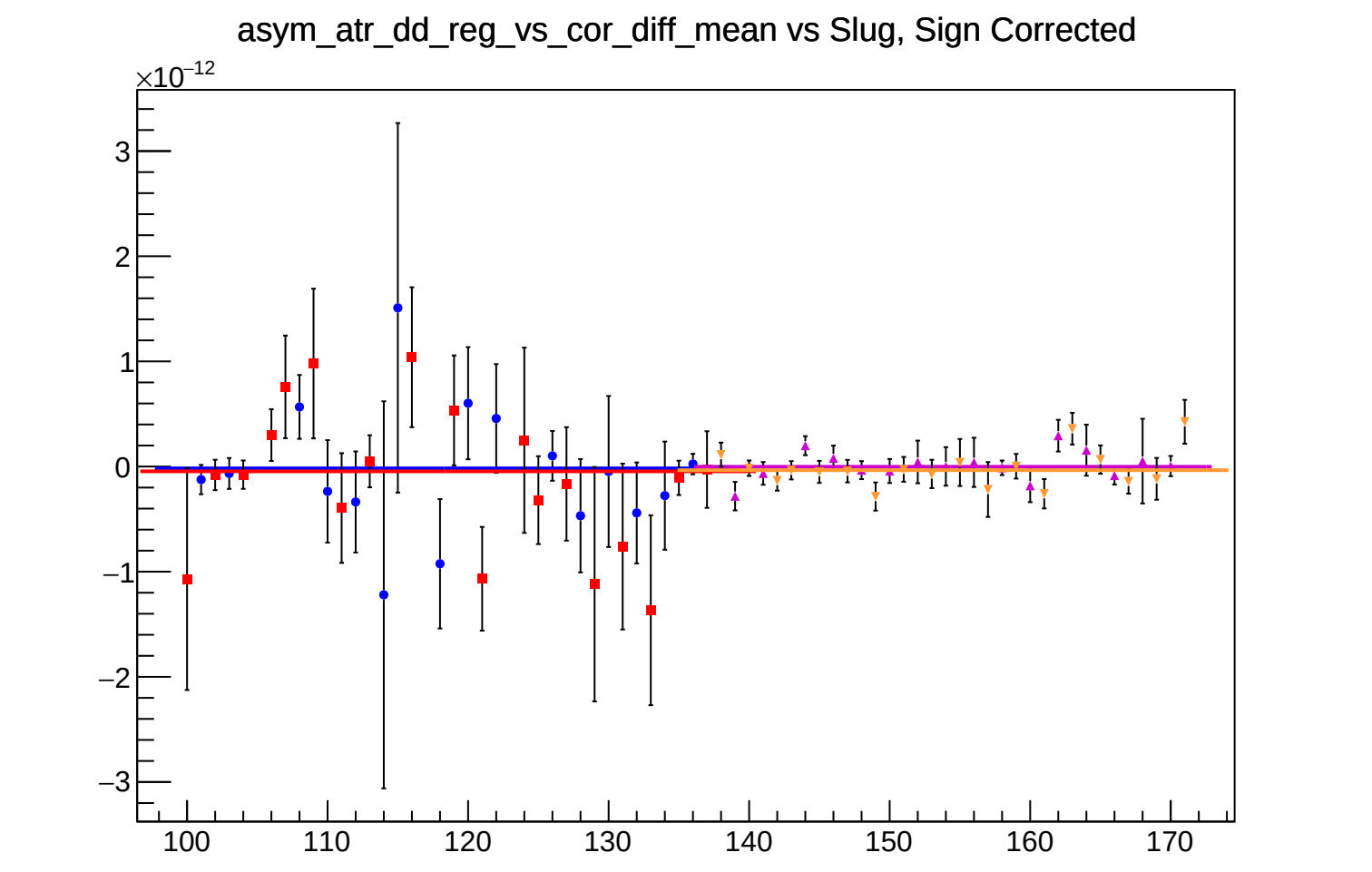
Left: 4415.004+/-0.606 χ^2/NDF: 1364753.7/33

Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4444.479+/-0.711 χ^2/NDF:1652673.7/31

Out: 4332.824+/-0.675 χ^2/NDF:1469357.3/36

All: 4385.737+/-0.489 χ^2/NDF: 3135010.1/68



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:16.9/15

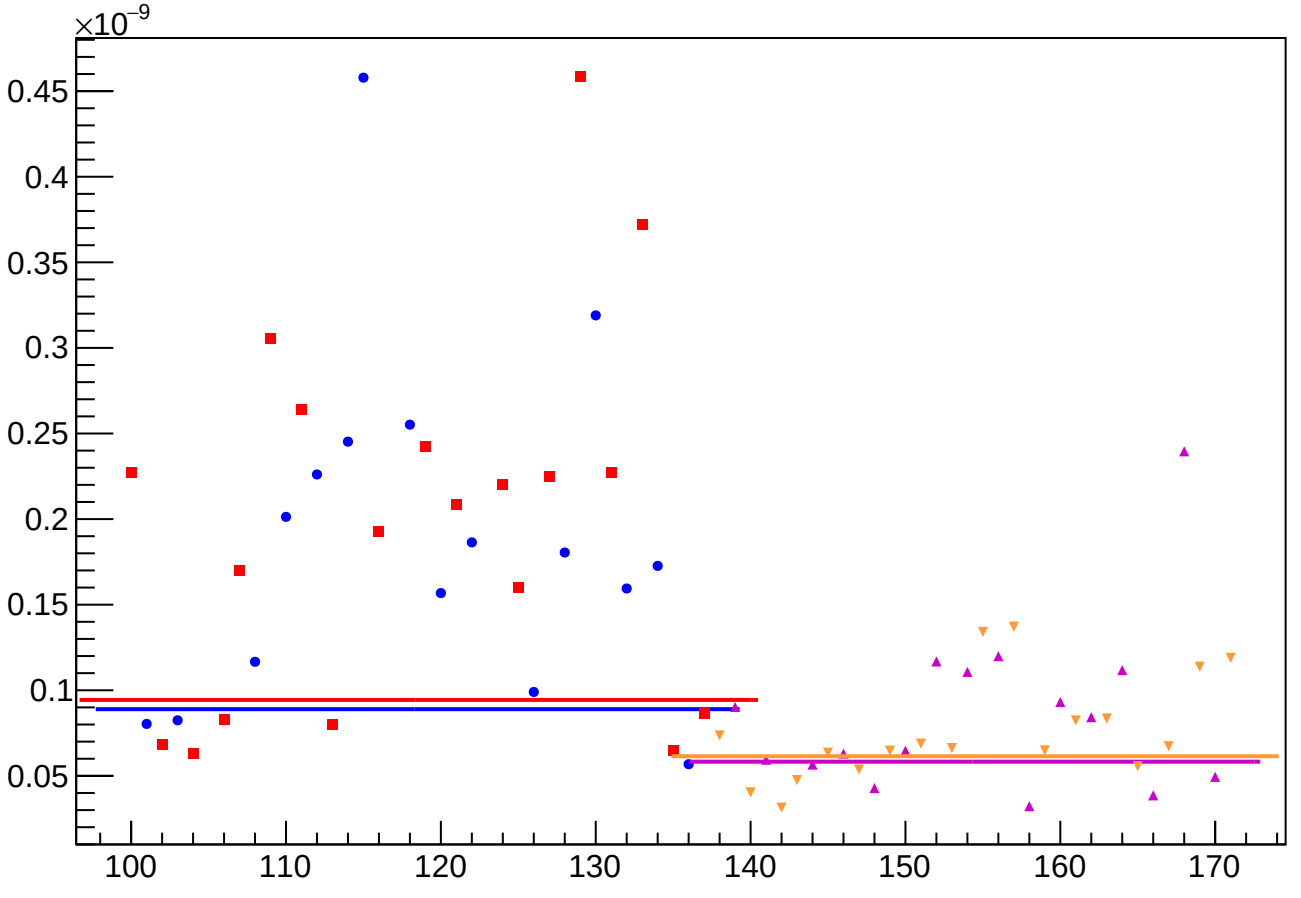
Left: -0.000+/-0.000 χ^2/NDF: 40.5/33

Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: -0.000+/-0.000 χ^2/NDF:29.7/31

Out: -0.000+/-0.000 χ^2/NDF:44.2/36

All: -0.000+/-0.000 χ^2/NDF: 74.6/68



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:1724158.0/15

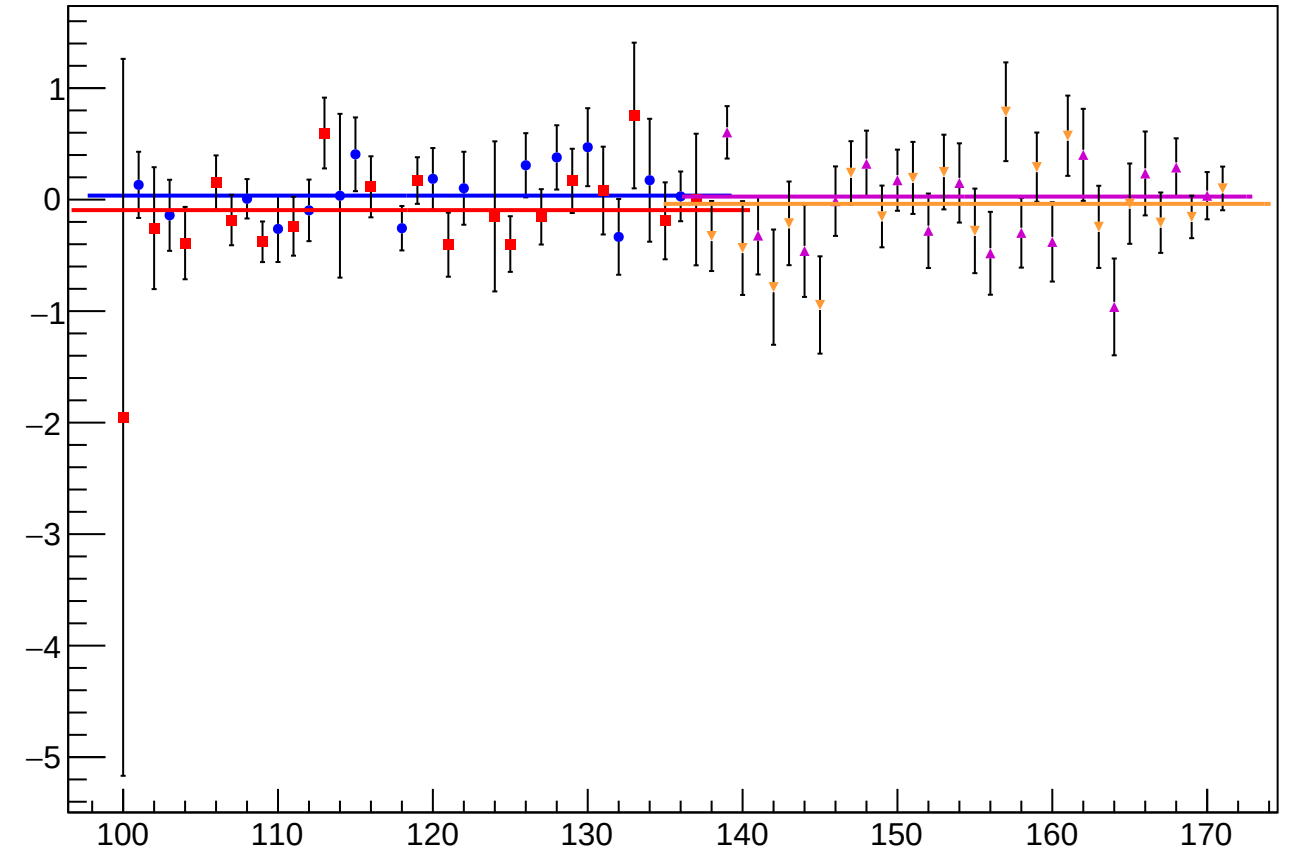
Left: 0.000+/-0.000 χ^2/NDF: 2962540.3/33

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3361070.0/31

Out: 0.000+/-0.000 χ^2/NDF:3318743.2/36

All: 0.000+/-0.000 χ^2/NDF: 6688340.0/68



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: 0.027+/-0.078 χ^2/NDF:22.2/15

Left: -0.008+/-0.053 χ^2/NDF: 42.8/33

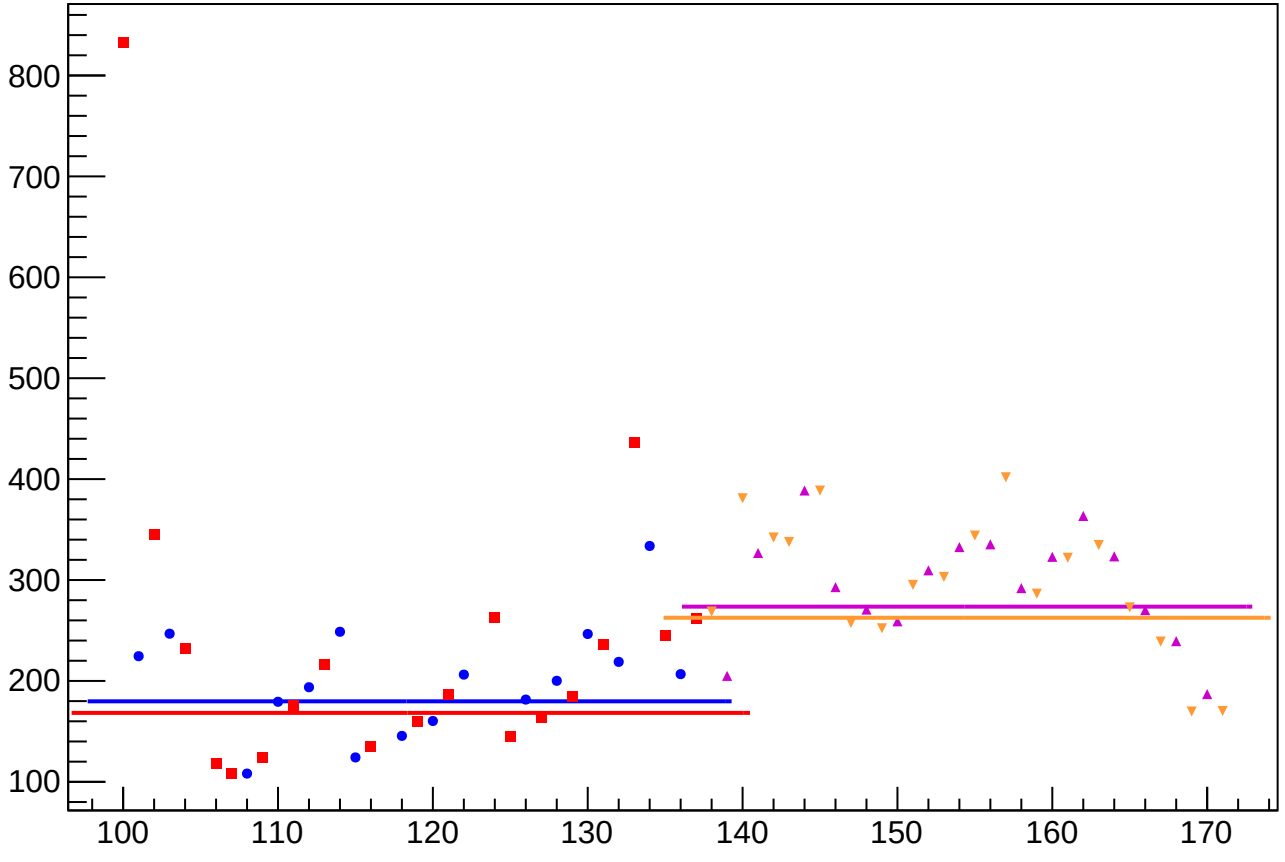
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.021+/-0.036 χ^2/NDF: 72.9/68

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: 273.625+/-0.055 χ^2/NDF:1054523.2/15

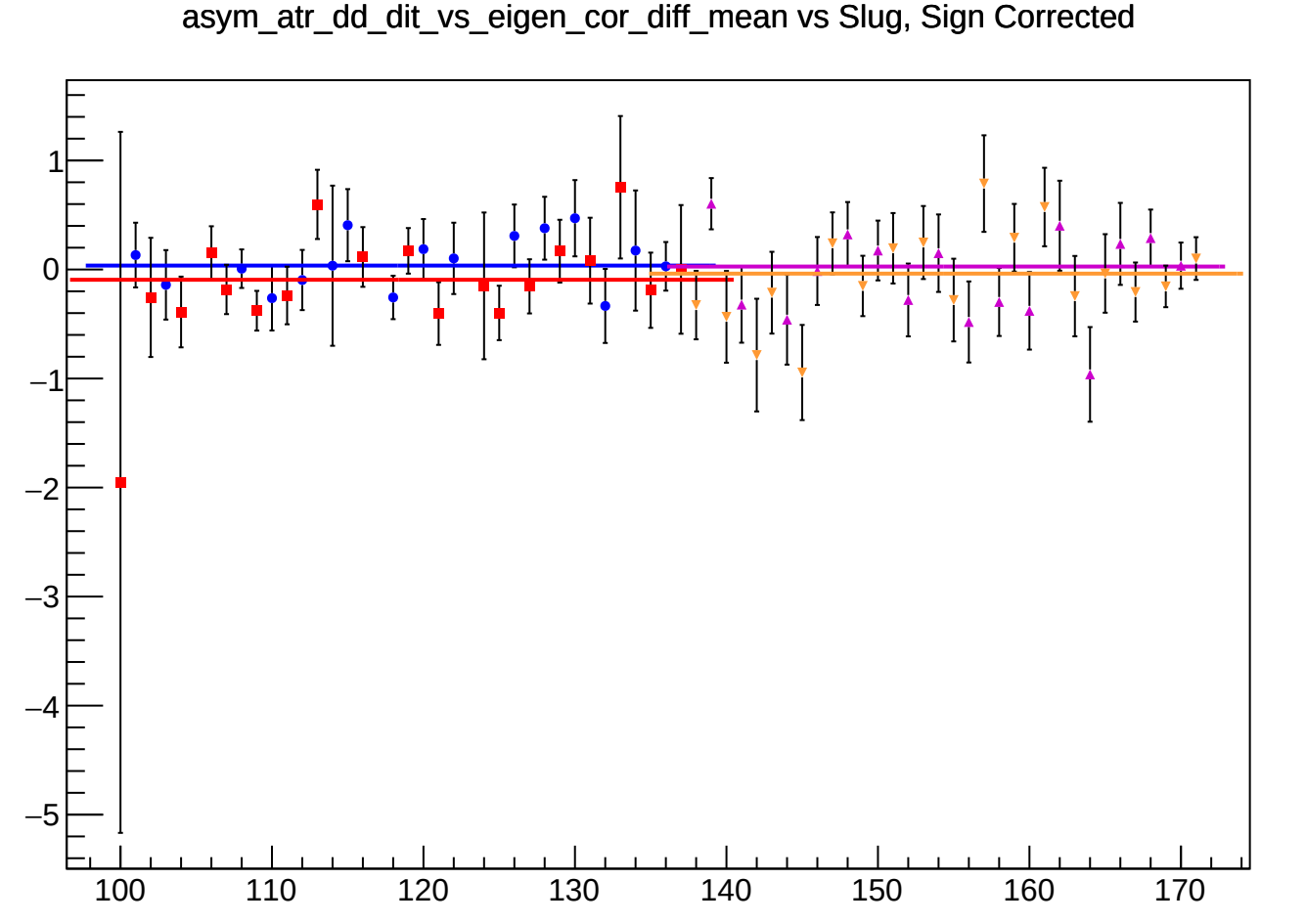
Left: 267.739+/-0.038 χ^2/NDF: 2953013.8/33

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.063+/-0.037 χ^2/NDF:3565323.0/31

Out: 211.957+/-0.035 χ^2/NDF:5084267.0/36

All: 216.738+/-0.025 χ^2/NDF: 8688910.0/68



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: 0.027+/-0.078 χ^2/NDF:22.2/15

Left: -0.008+/-0.053 χ^2/NDF: 42.8/33

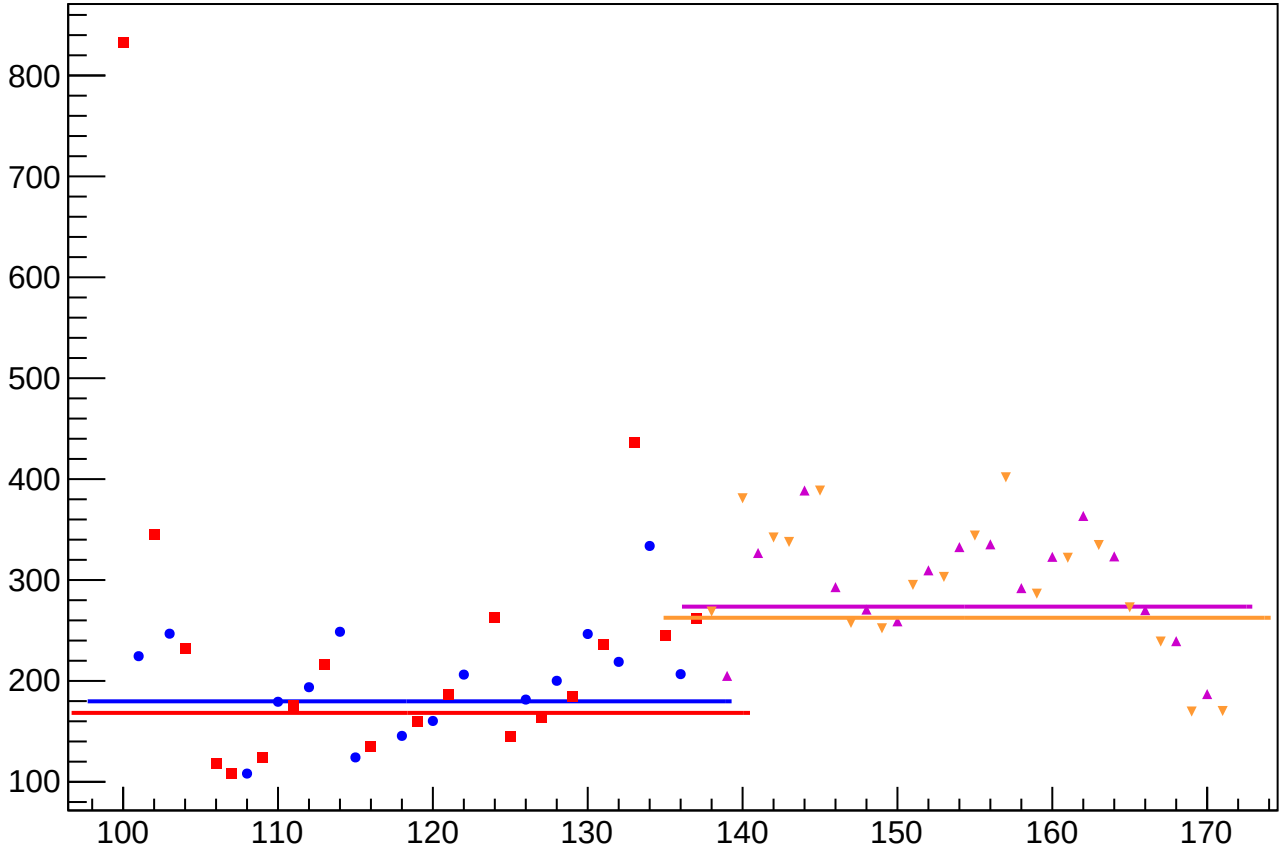
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.021+/-0.036 χ^2/NDF: 72.9/68

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: 273.625+/-0.055 χ^2/NDF:1054523.2/15

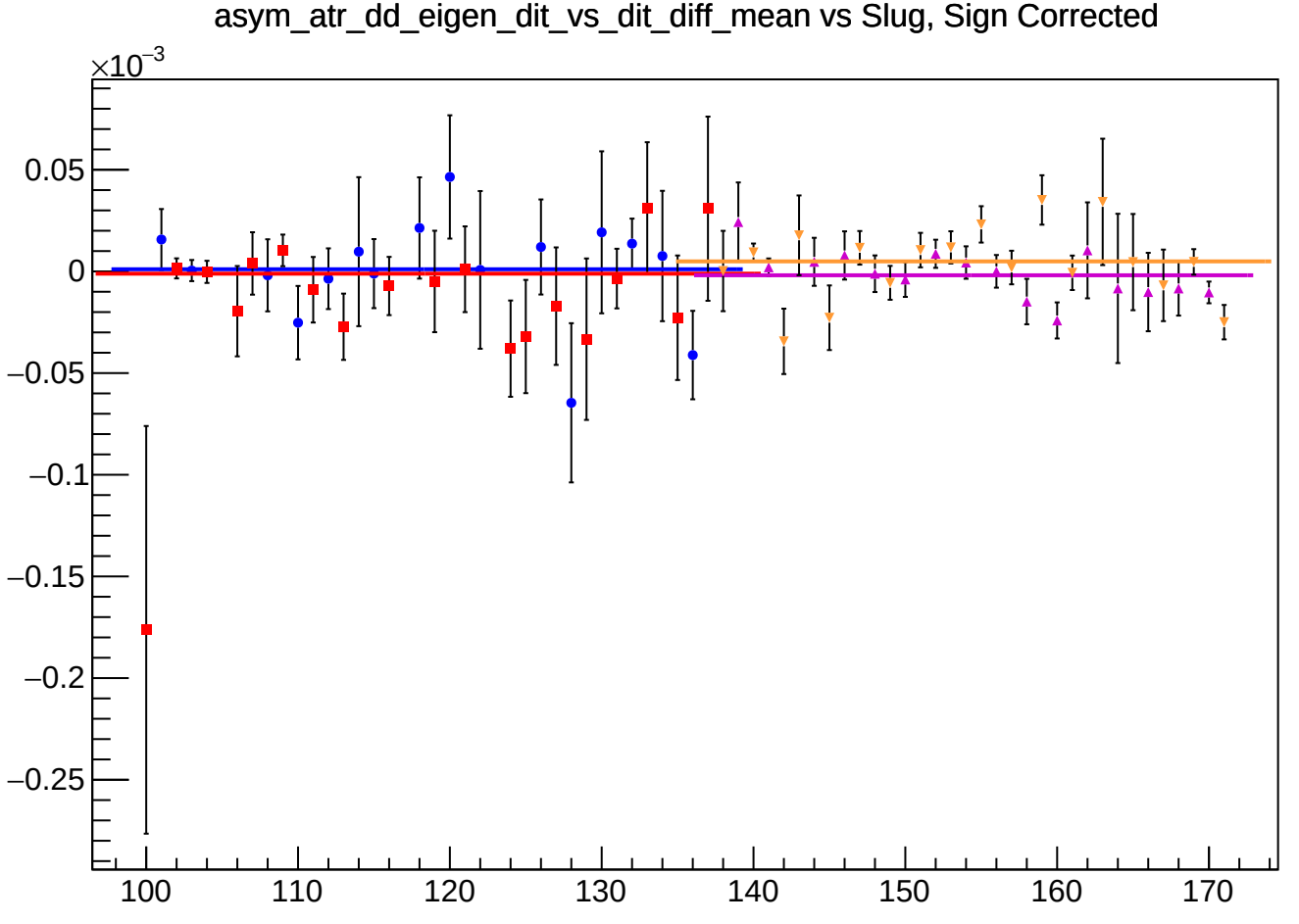
Left: 267.739+/-0.038 χ^2/NDF: 2953013.8/33

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 222.063+/-0.037 χ^2/NDF:3565323.0/31

Out: 211.957+/-0.035 χ^2/NDF:5084267.0/36

All: 216.738+/-0.025 χ^2/NDF: 8688910.0/68



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:17.5/15

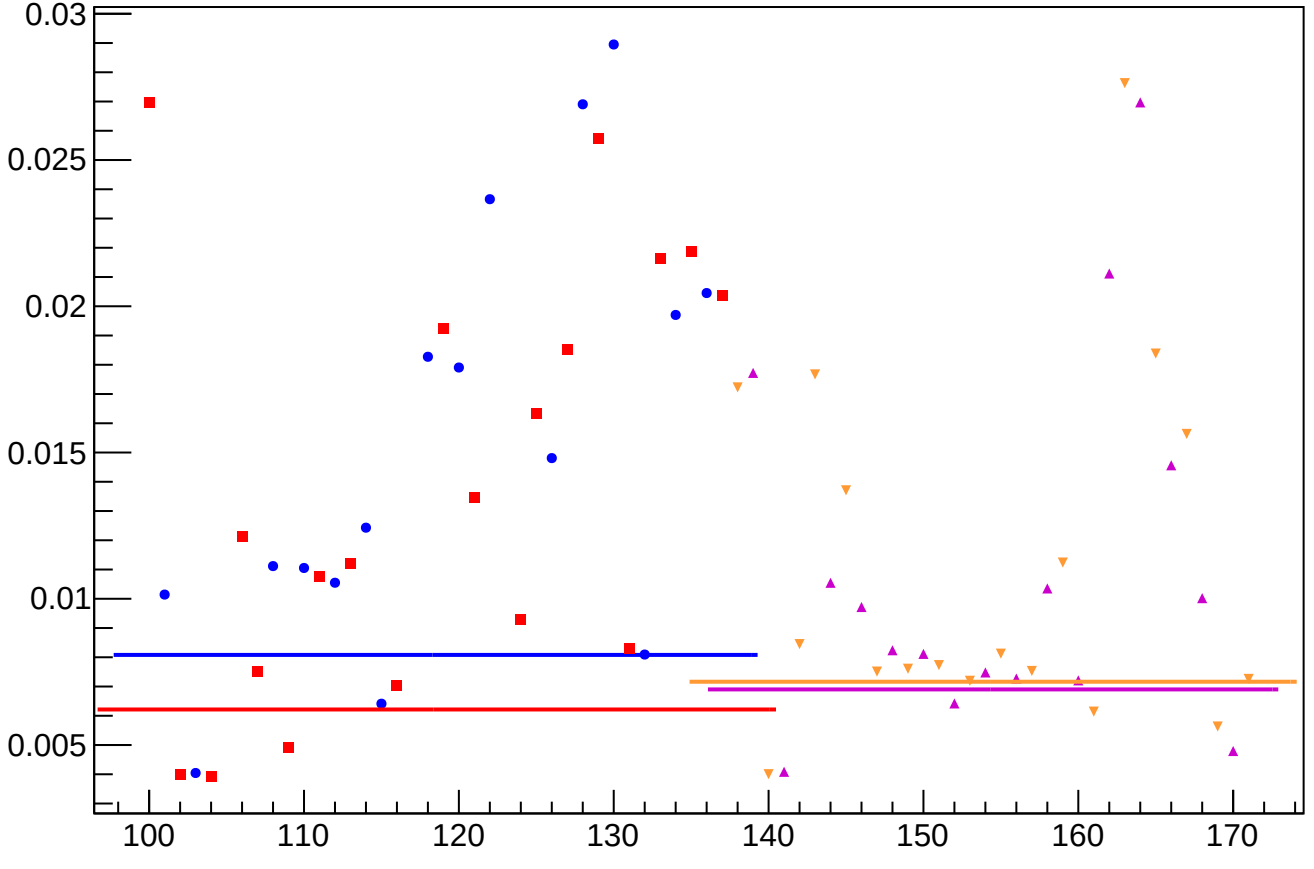
Left: 0.000+/-0.000 χ^2/NDF: 61.2/33

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:32.3/31

Out: 0.000+/-0.000 χ^2/NDF:57.6/36

All: 0.000+/-0.000 χ^2/NDF: 92.2/68



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:4121408.3/15

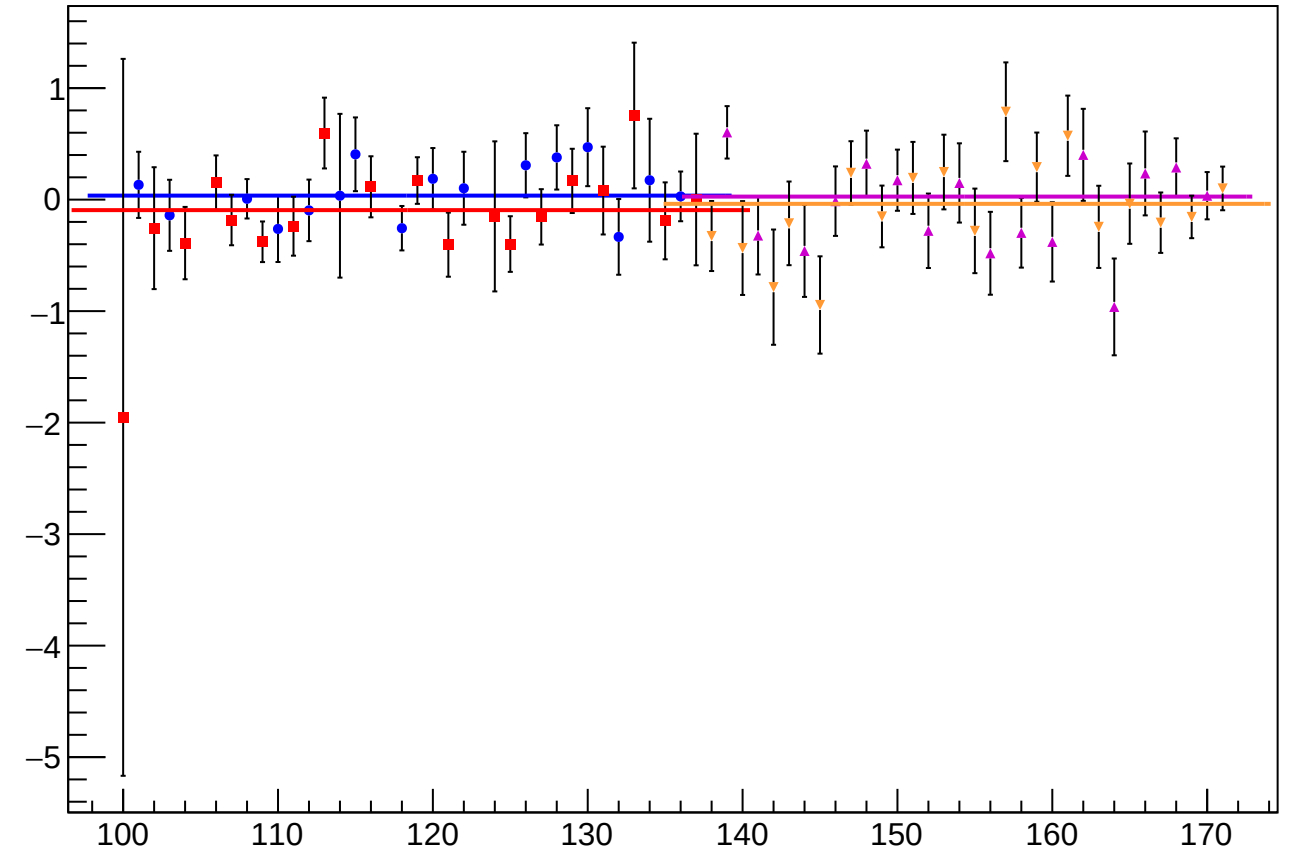
Left: 0.007+/-0.000 χ^2/NDF: 8827490.4/33

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:8685808.3/31

Out: 0.007+/-0.000 χ^2/NDF:9395849.8/36

All: 0.007+/-0.000 χ^2/NDF: 18127648.5/68



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: 0.027+/-0.078 χ^2/NDF:22.2/15

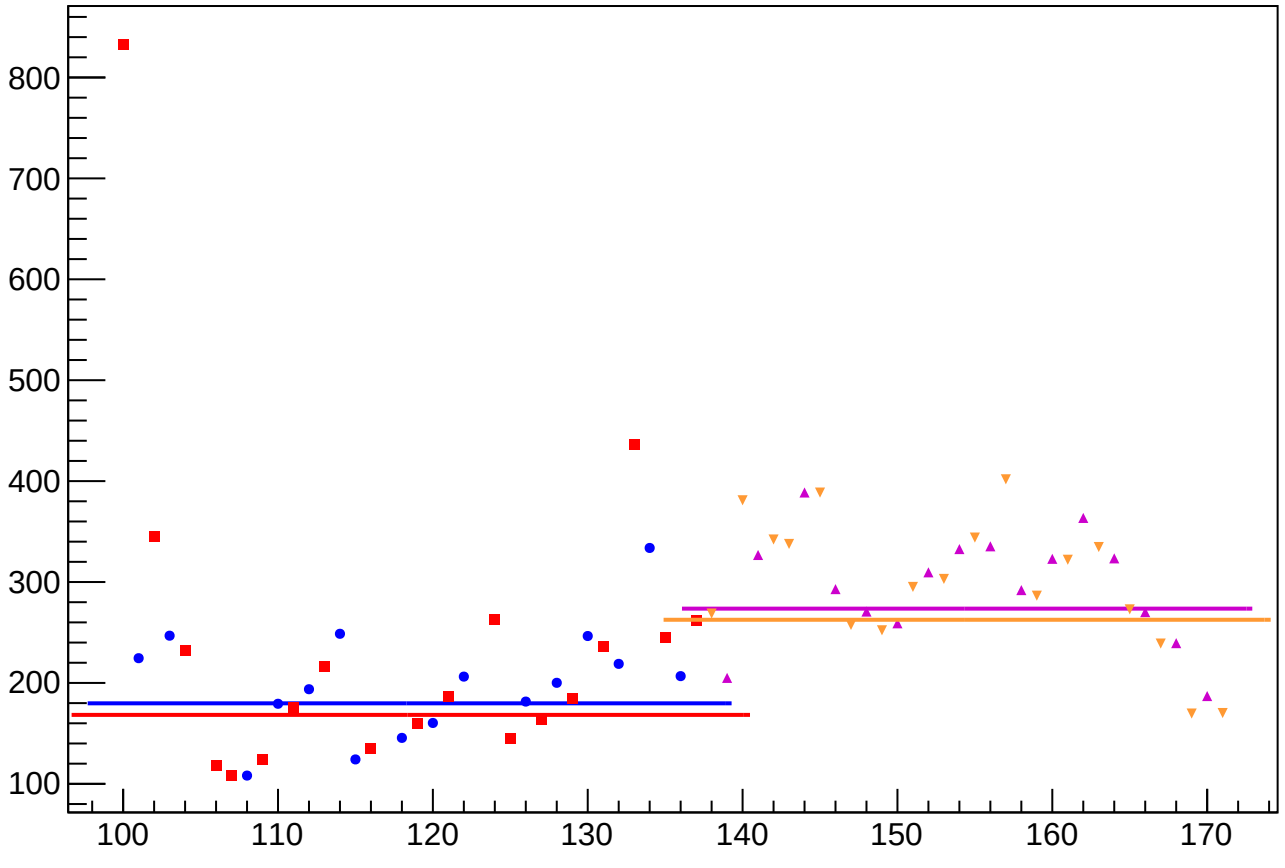
Left: -0.008+/-0.053 χ^2/NDF: 42.8/33

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.021+/-0.036 χ^2/NDF: 72.9/68



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: 273.629+/-0.055 χ^2/NDF:1054538.2/15

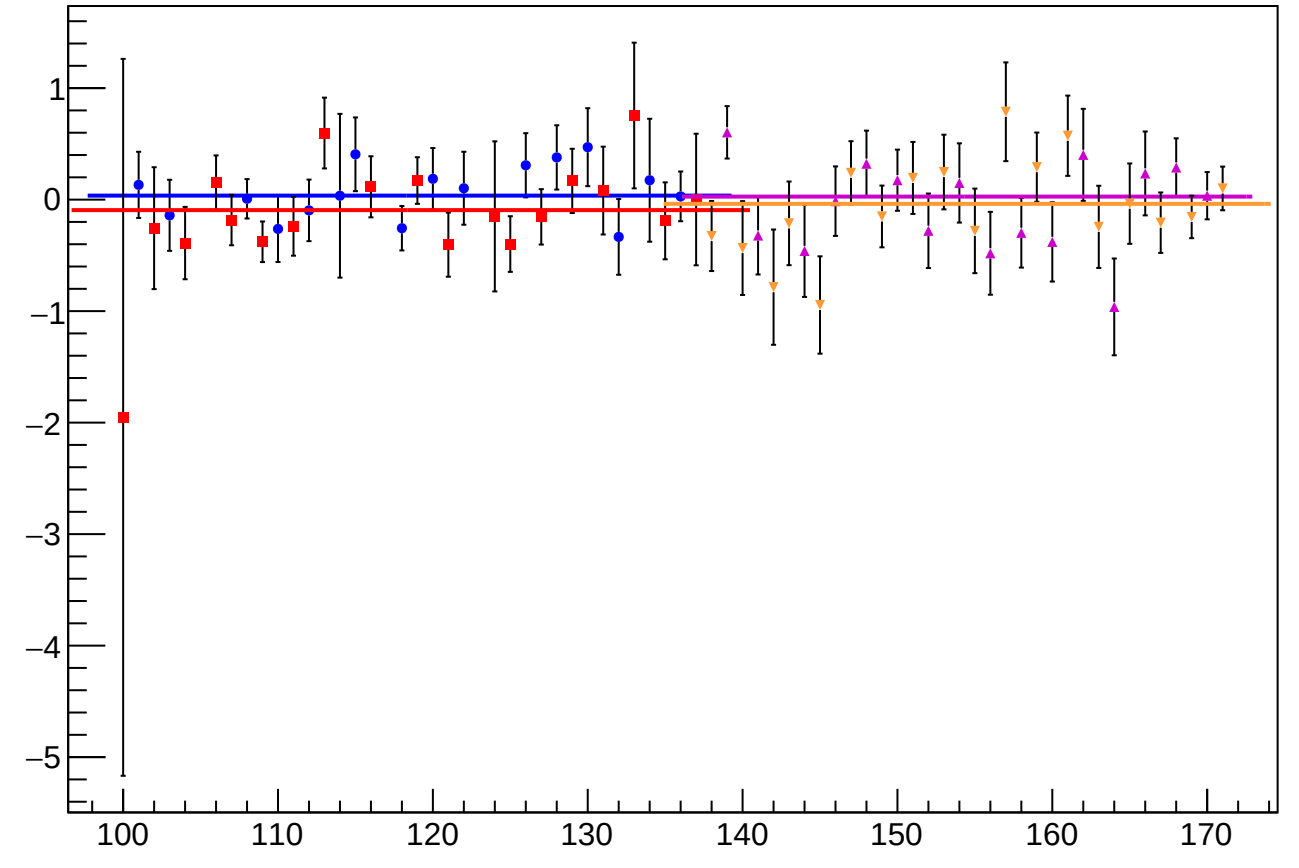
Left: 267.742+/-0.038 χ^2/NDF: 2953159.1/33

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.062+/-0.037 χ^2/NDF:3565595.3/31

Out: 211.957+/-0.035 χ^2/NDF:5084446.6/36

All: 216.737+/-0.025 χ^2/NDF: 8689352.5/68



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: 0.027+/-0.078 χ^2/NDF:22.2/15

Left: -0.008+/-0.053 χ^2/NDF: 42.8/33

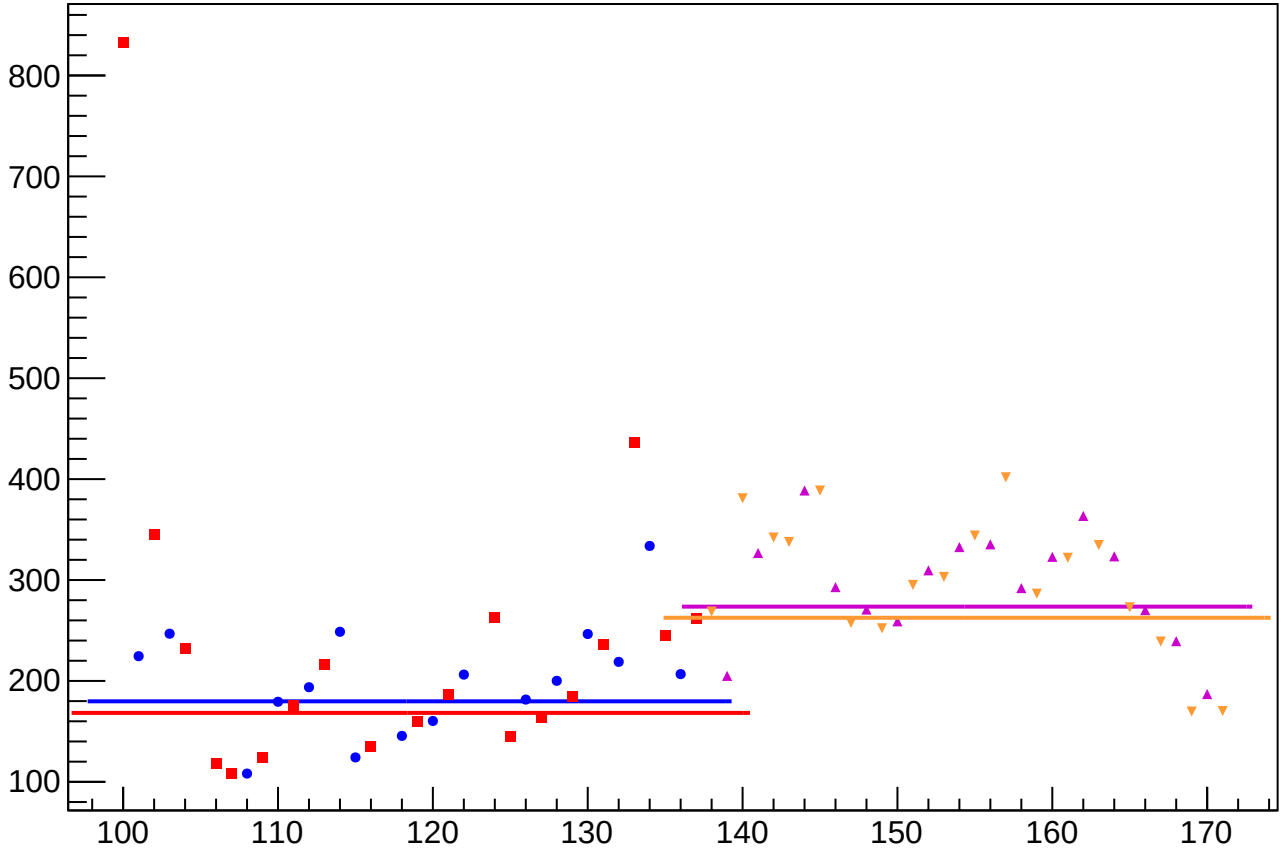
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.032+/-0.052 χ^2/NDF:32.8/31

Out: -0.068+/-0.050 χ^2/NDF:38.1/36

All: -0.021+/-0.036 χ^2/NDF: 72.9/68

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: 273.629+/-0.055 χ^2/NDF:1054538.2/15

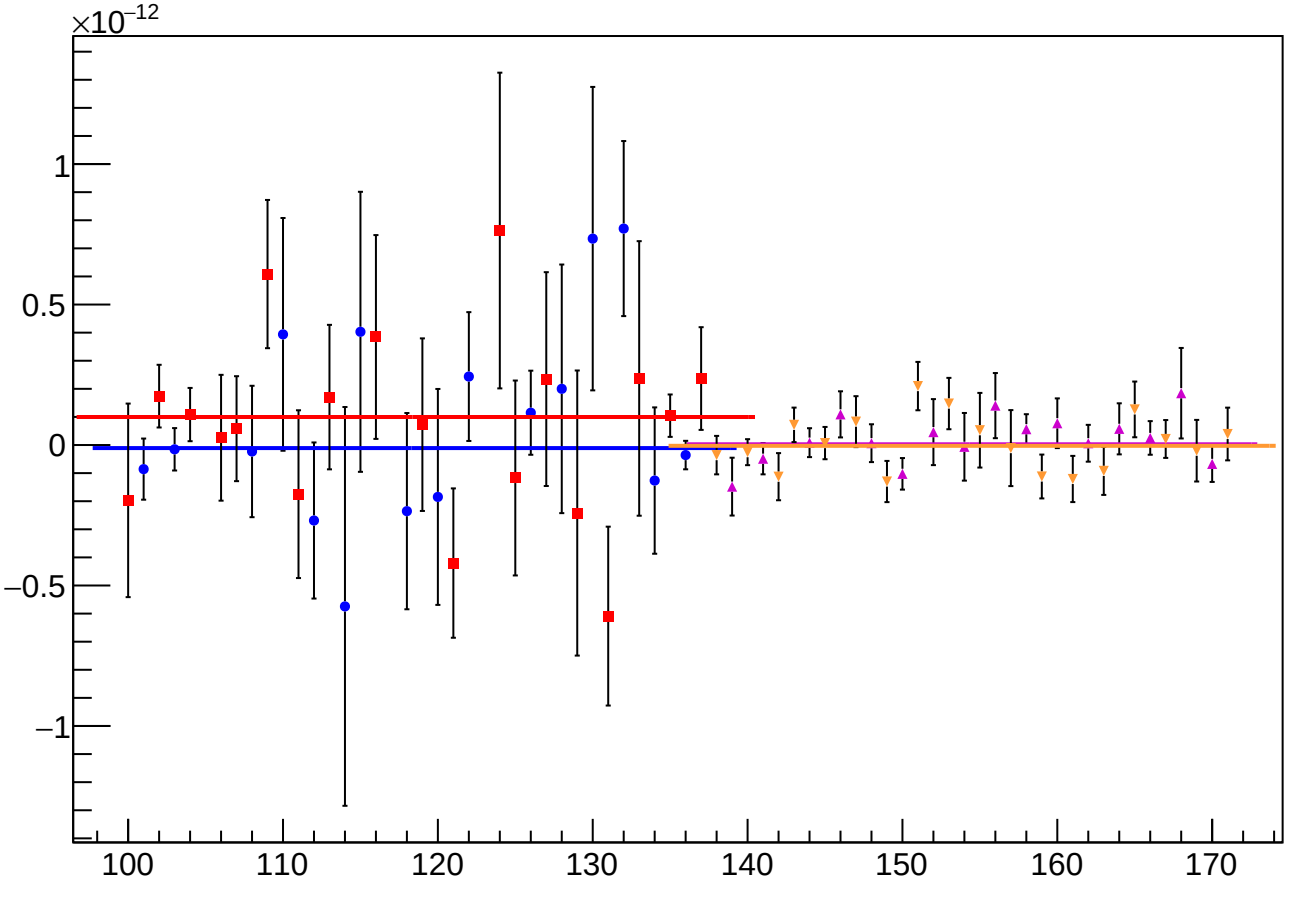
Left: 267.742+/-0.038 χ^2/NDF: 2953159.1/33

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 222.062+/-0.037 χ^2/NDF:3565595.3/31

Out: 211.957+/-0.035 χ^2/NDF:5084446.6/36

All: 216.737+/-0.025 χ^2/NDF: 8689352.5/68



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:14.5/15

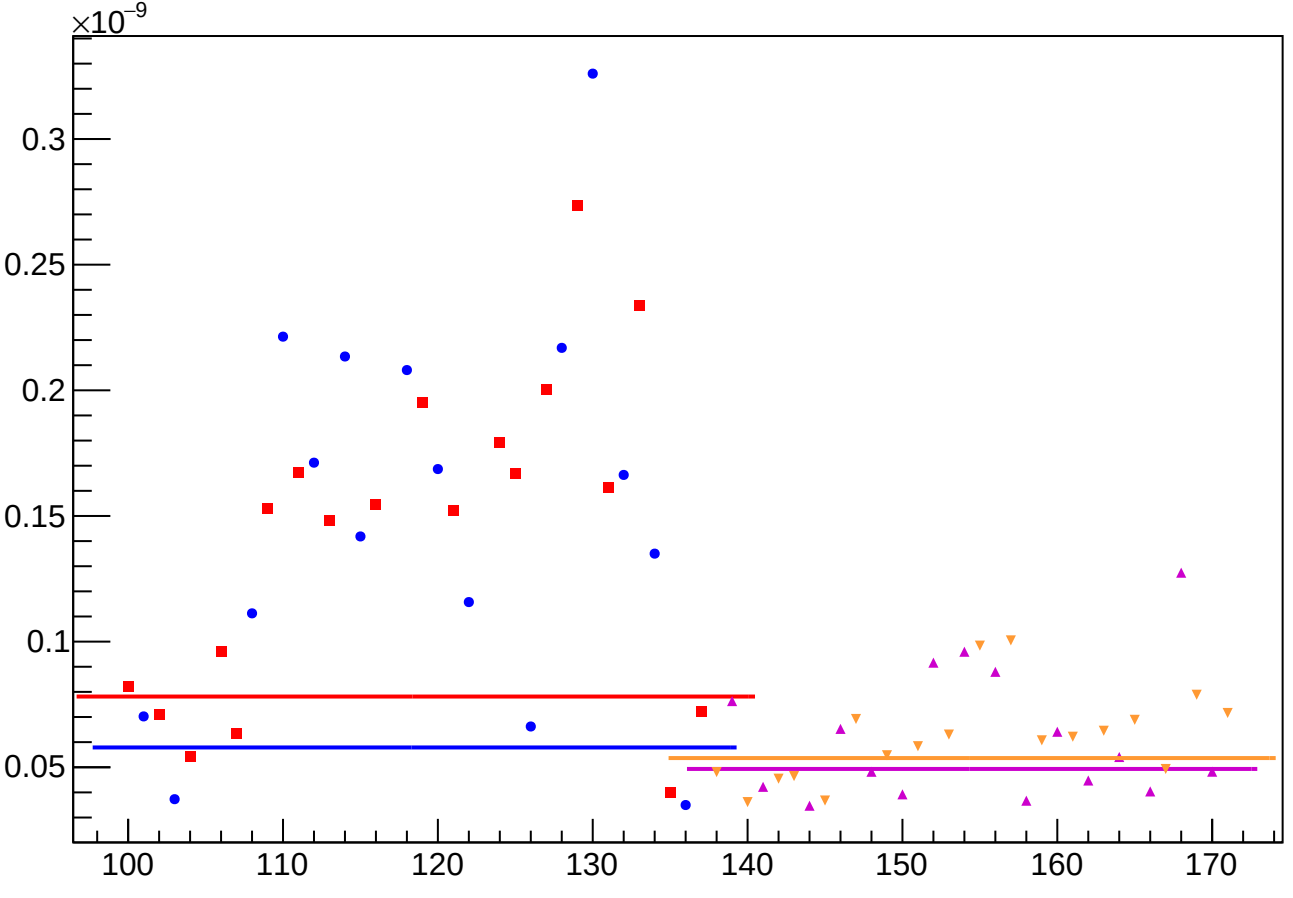
Left: -0.000+/-0.000 χ^2/NDF: 38.3/33

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:29.6/31

Out: 0.000+/-0.000 χ^2/NDF:47.2/36

All: 0.000+/-0.000 χ^2/NDF: 77.1/68



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:1953469.0/15

Left: 0.000+/-0.000 χ^2/NDF: 3387580.1/33

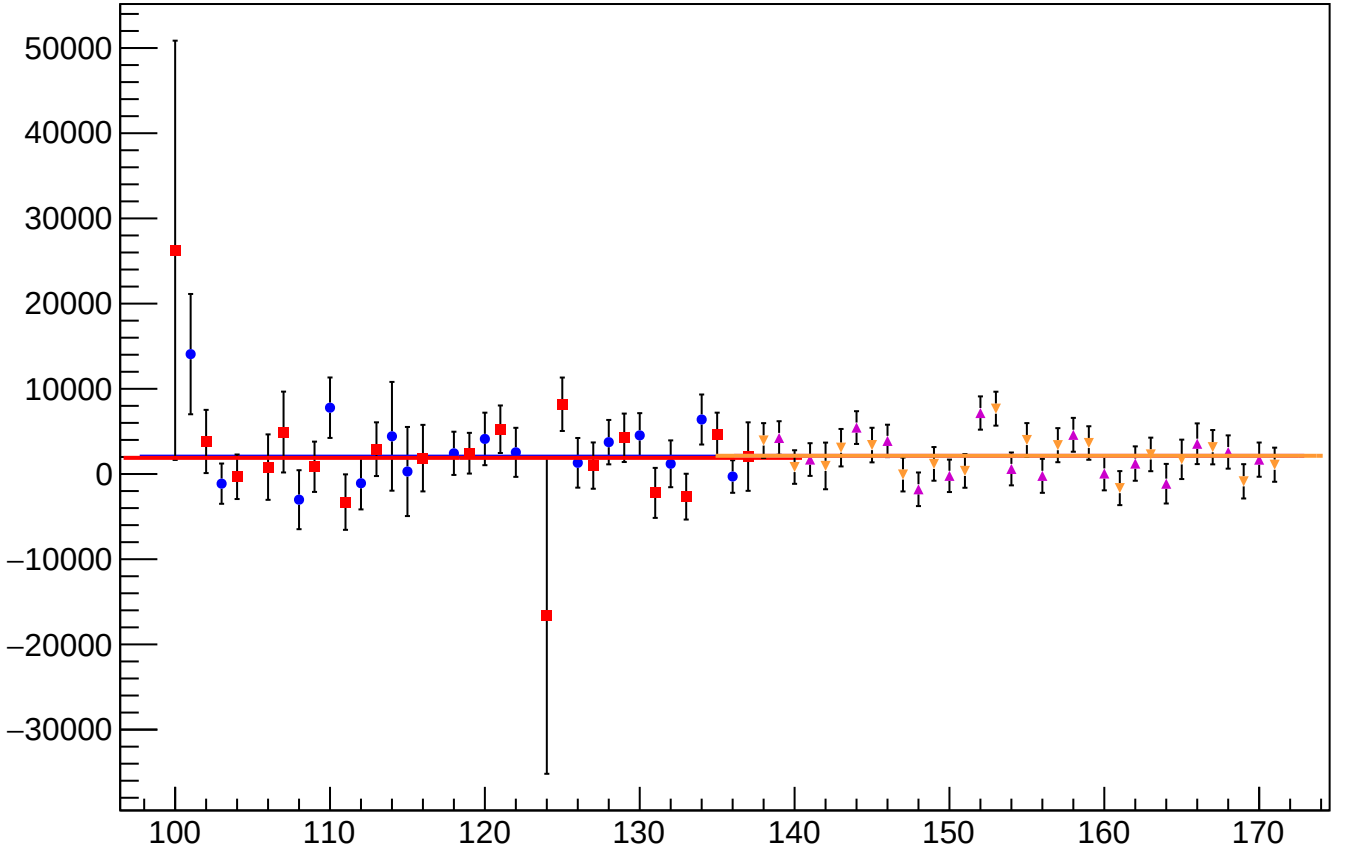
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5369822.1/31

Out: 0.000+/-0.000 χ^2/NDF:4678711.1/36

All: 0.000+/-0.000 χ^2/NDF: 10201753.8/68

reg_asym_at1_avg_mean vs Slug, Sign Corrected



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: 2130.315+/-498.950 χ^2/NDF:24.4/15

Left: 2135.021+/-346.765 χ^2/NDF: 44.6/33

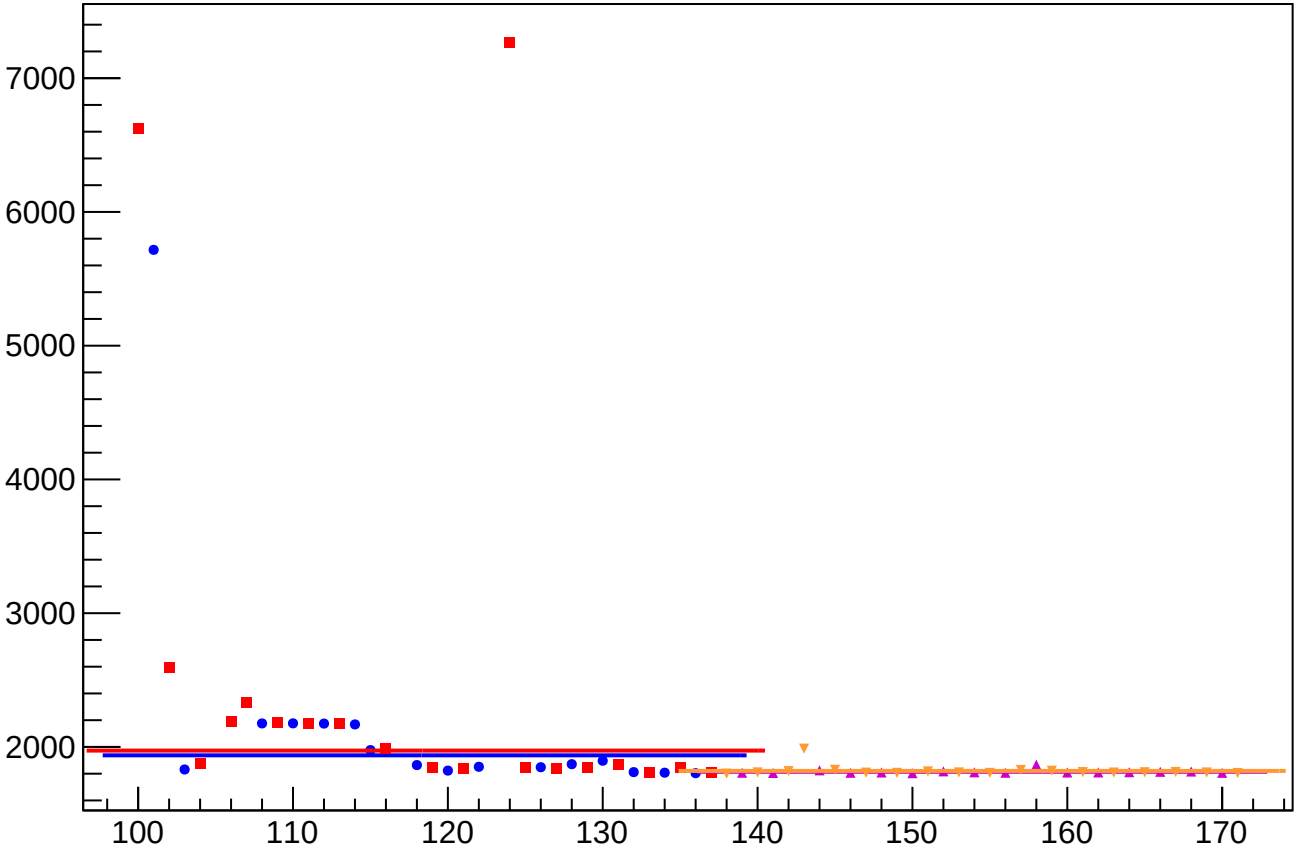
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2101.640+/-413.031 χ^2/NDF:40.9/31

Out: 2066.176+/-403.513 χ^2/NDF:38.8/36

All: 2083.495+/-288.633 χ^2/NDF: 79.6/68

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: 1814.228+/-0.353 χ^2/NDF:1752.3/15

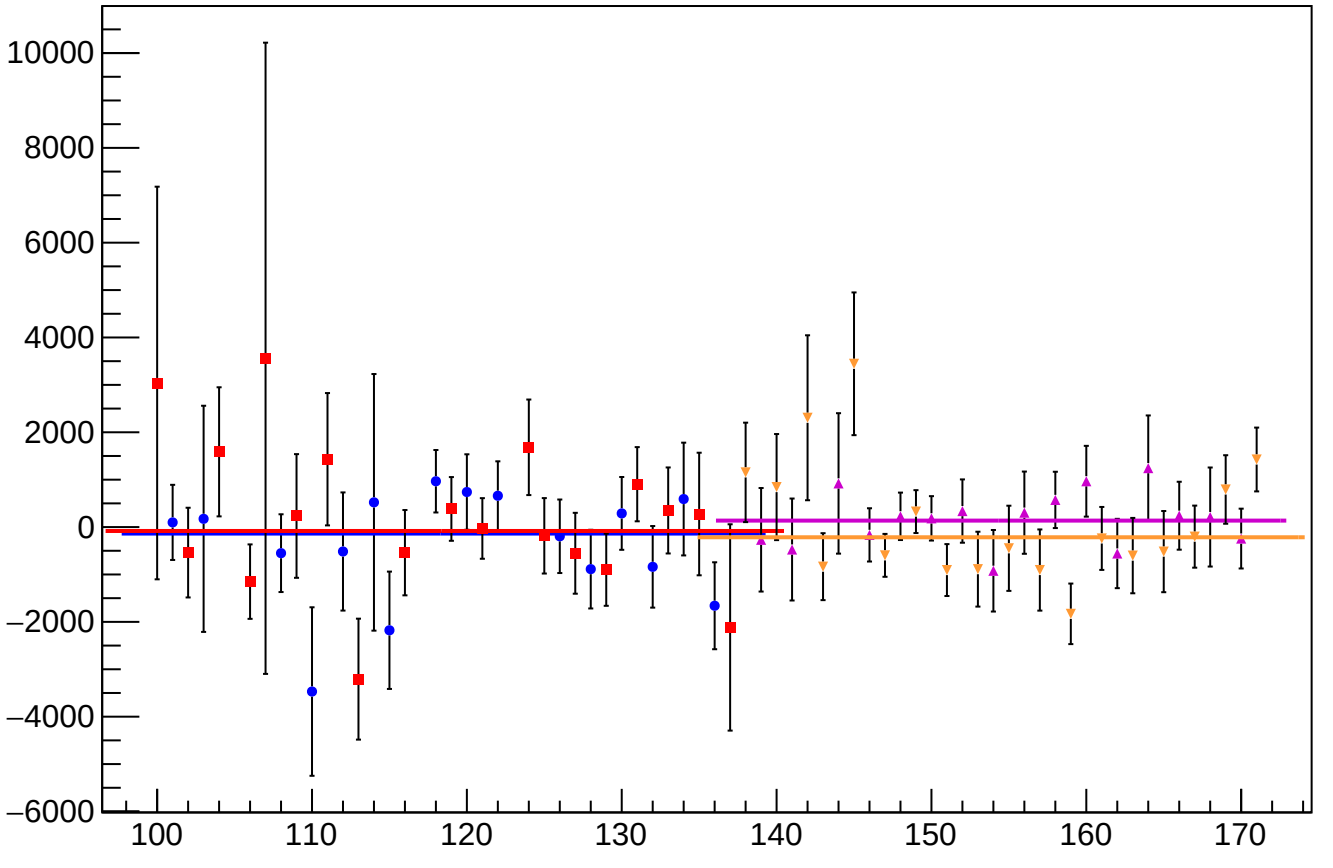
Left: 1817.618+/-0.245 χ^2/NDF: 14412.1/33

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1852.949+/-0.292 χ^2/NDF:678114.1/31

Out: 1866.371+/-0.285 χ^2/NDF:449590.9/36

All: 1859.817+/-0.204 χ^2/NDF: 1128785.6/68



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: 136.618+/-178.209 χ^2/NDF:6.8/15

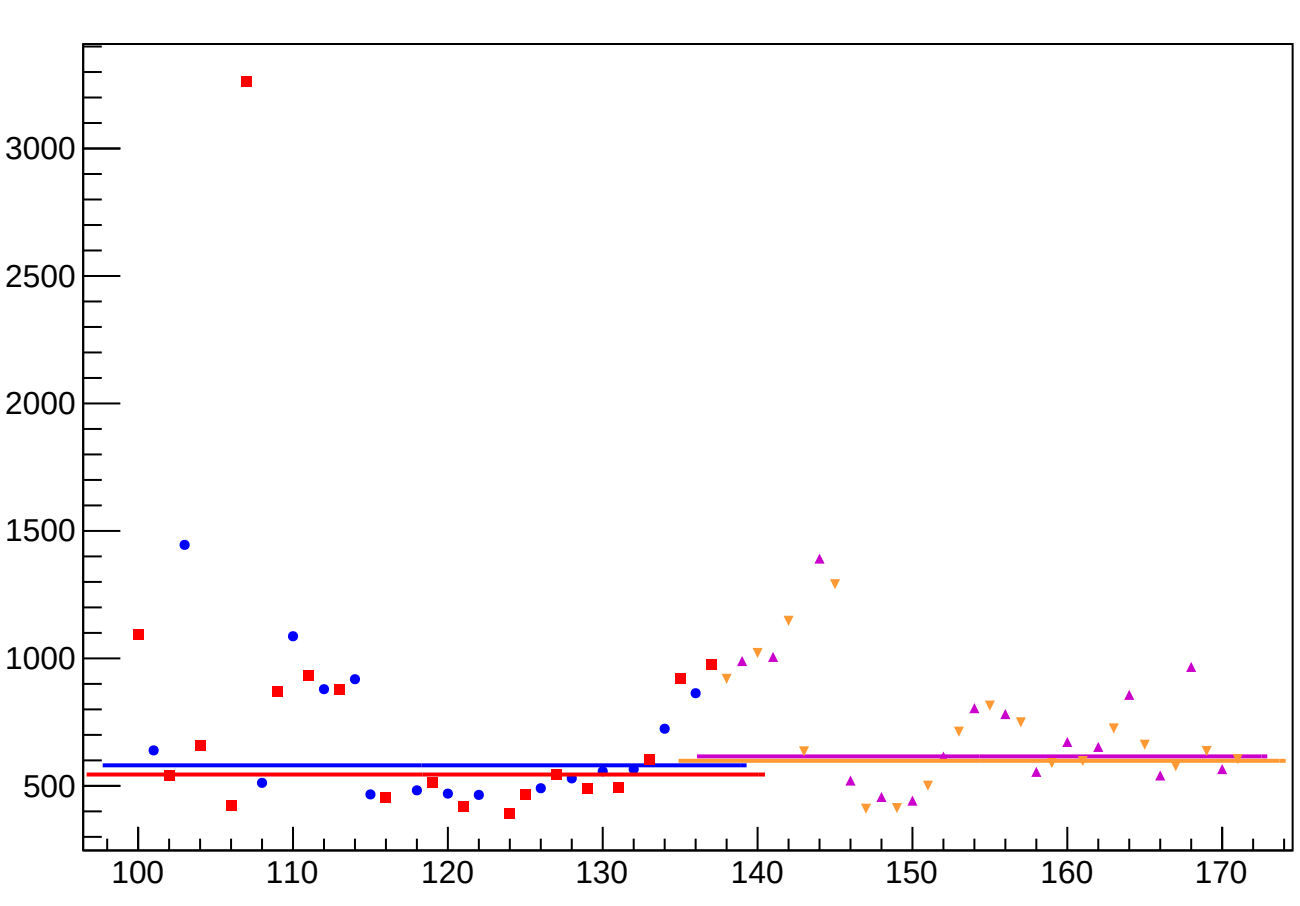
Left: -50.763+/-121.803 χ^2/NDF: 40.1/33

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

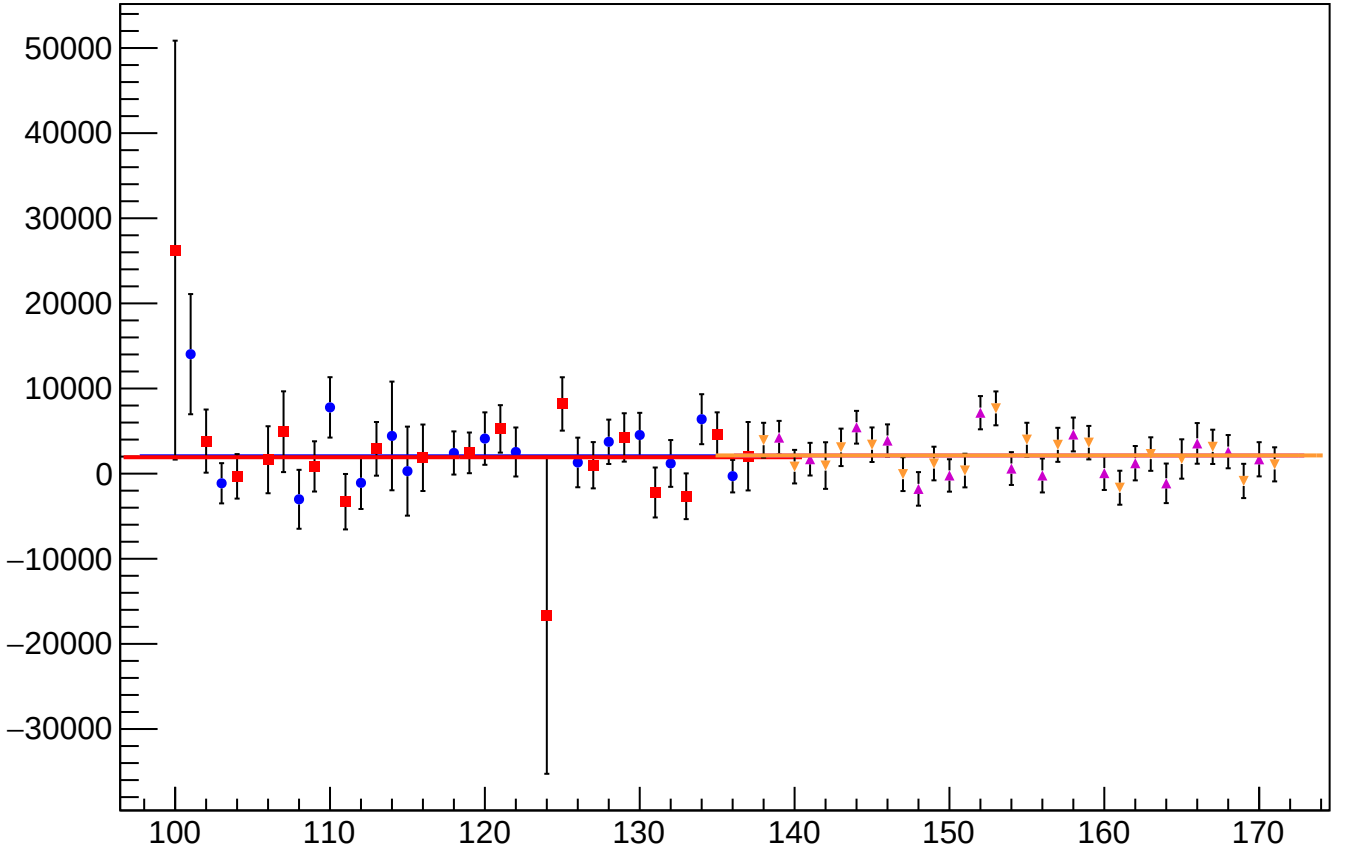
In: 34.347+/-140.970 χ^2/NDF:24.5/31

Out: -167.125+/-133.389 χ^2/NDF:51.2/36

All: -71.952+/-96.890 χ^2/NDF: 76.8/68


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 580.611+/-0.163 χ²/NDF: 1003410.8/15
Left Out: 598.327+/-0.118 χ²/NDF:2136278.0/17
Right Out: 544.530+/-0.157 χ²/NDF: 1287643.0/18
Left In: 615.612+/-0.126 χ²/NDF:2142366.2/15
Left: 606.402+/-0.086 χ²/NDF: 4288669.3/33
Right: 561.900+/-0.113 χ²/NDF: 2316481.8/34
In: 602.512+/-0.100 χ²/NDF:3174650.9/31
Out: 578.909+/-0.094 χ²/NDF:3498961.0/36
All: 590.059+/-0.069 χ²/NDF: 6703195.5/68

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: 2130.364+/-498.950 χ^2/NDF:24.4/15

Left: 2135.033+/-346.765 χ^2/NDF: 44.6/33

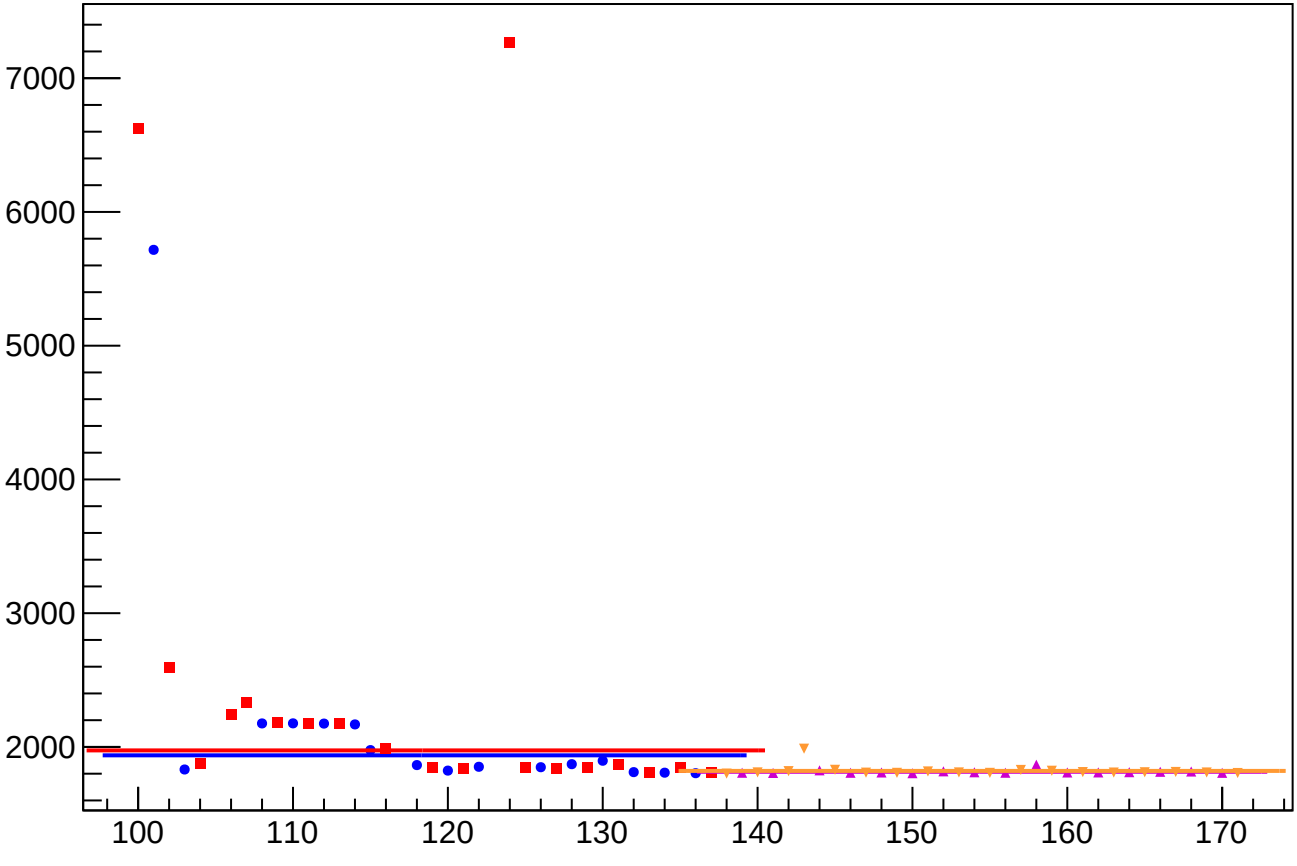
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2101.557+/-413.031 χ^2/NDF:40.8/31

Out: 2075.544+/-403.619 χ^2/NDF:38.7/36

All: 2088.251+/-288.672 χ^2/NDF: 79.5/68

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: 1814.228+/-0.353 χ^2/NDF:1752.3/15

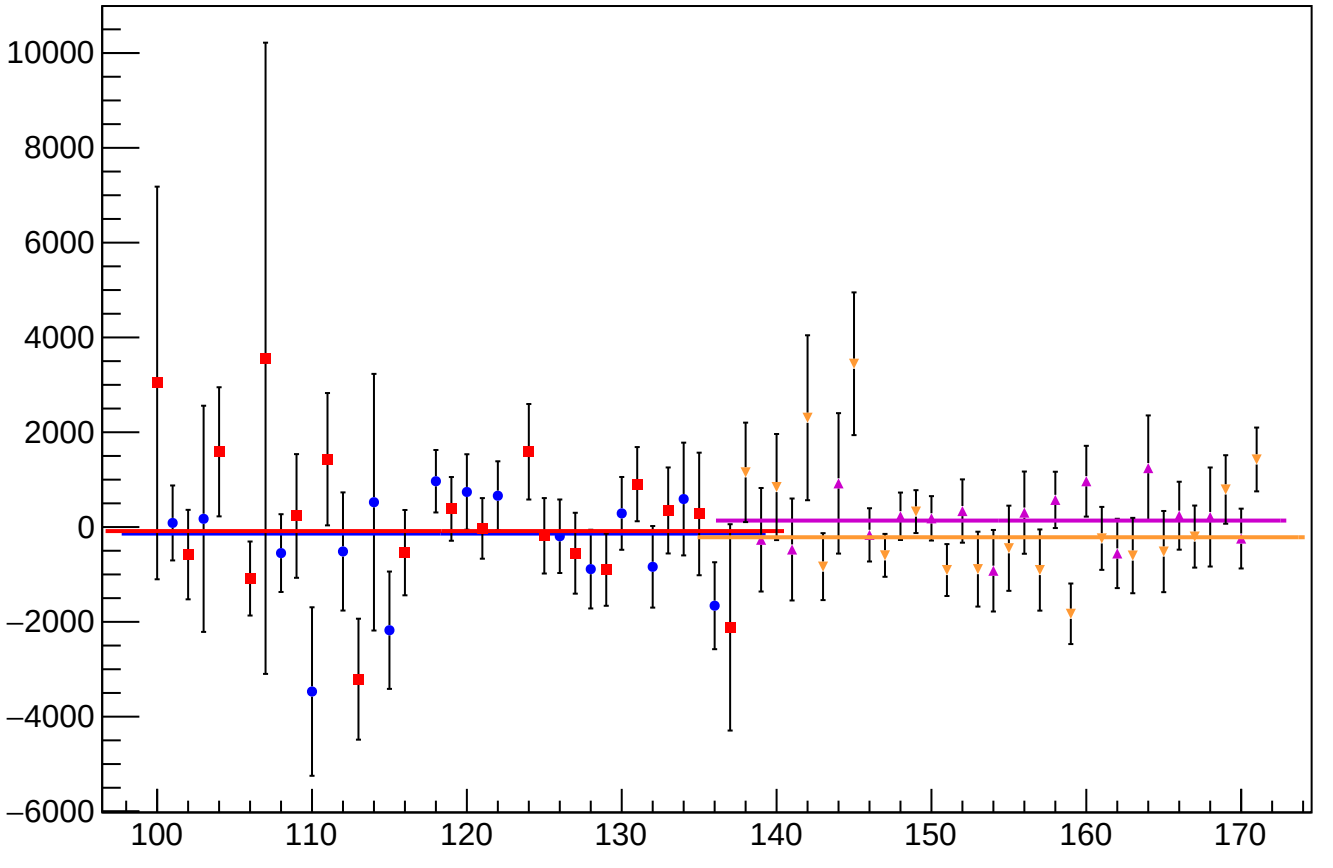
Left: 1817.618+/-0.245 χ^2/NDF: 14412.1/33

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1852.949+/-0.292 χ^2/NDF:678114.0/31

Out: 1866.733+/-0.285 χ^2/NDF:453508.1/36

All: 1860.000+/-0.204 χ^2/NDF: 1132761.5/68



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: 136.609+/-178.210 χ^2/NDF:6.8/15

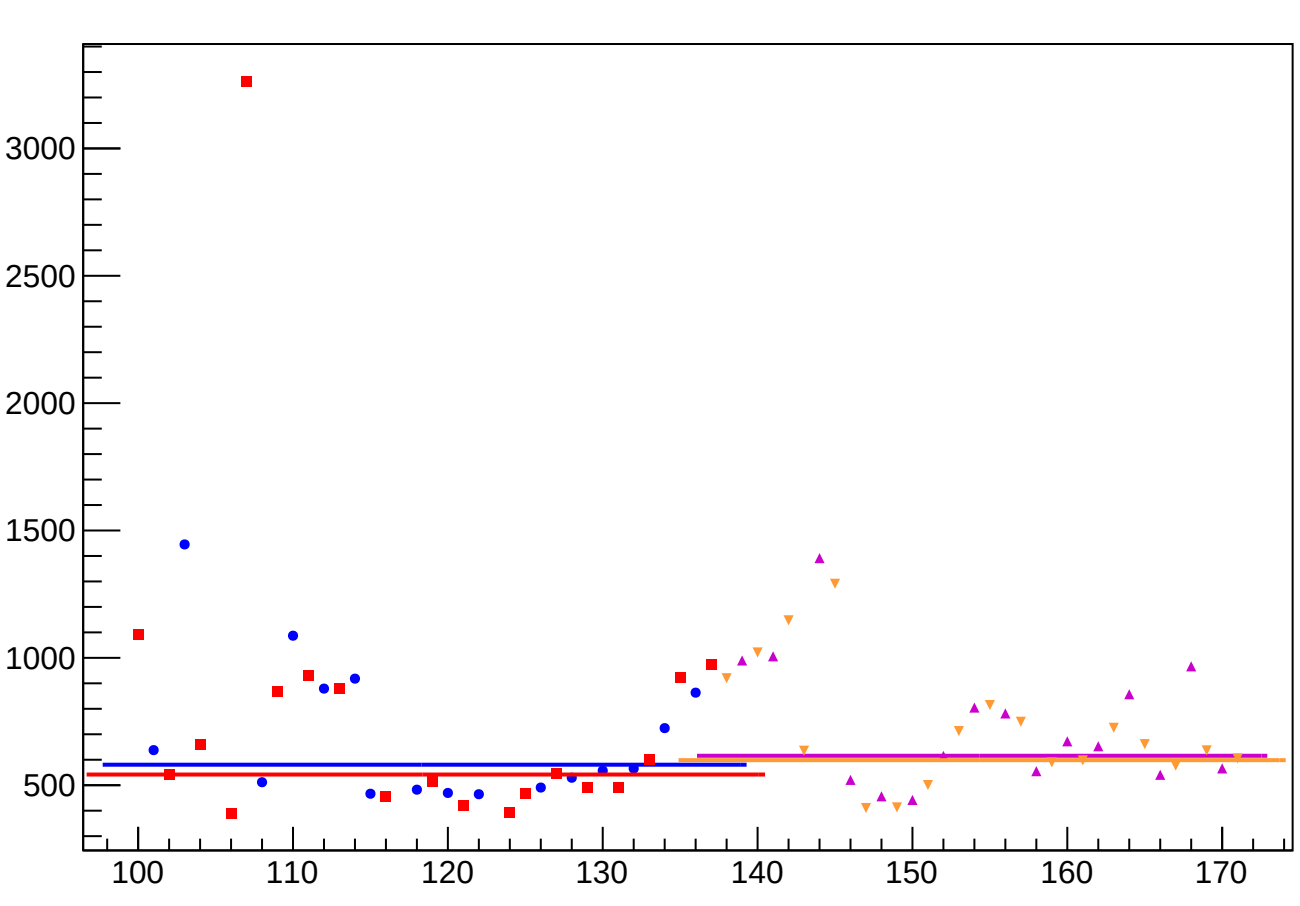
Left: -50.795+/-121.803 χ^2/NDF: 40.0/33

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 33.997+/-140.959 χ^2/NDF:24.5/31

Out: -168.077+/-133.359 χ^2/NDF:50.7/36

All: -72.634+/-96.875 χ^2/NDF: 76.3/68



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: 615.614+/-0.126 χ^2/NDF:2142428.7/15

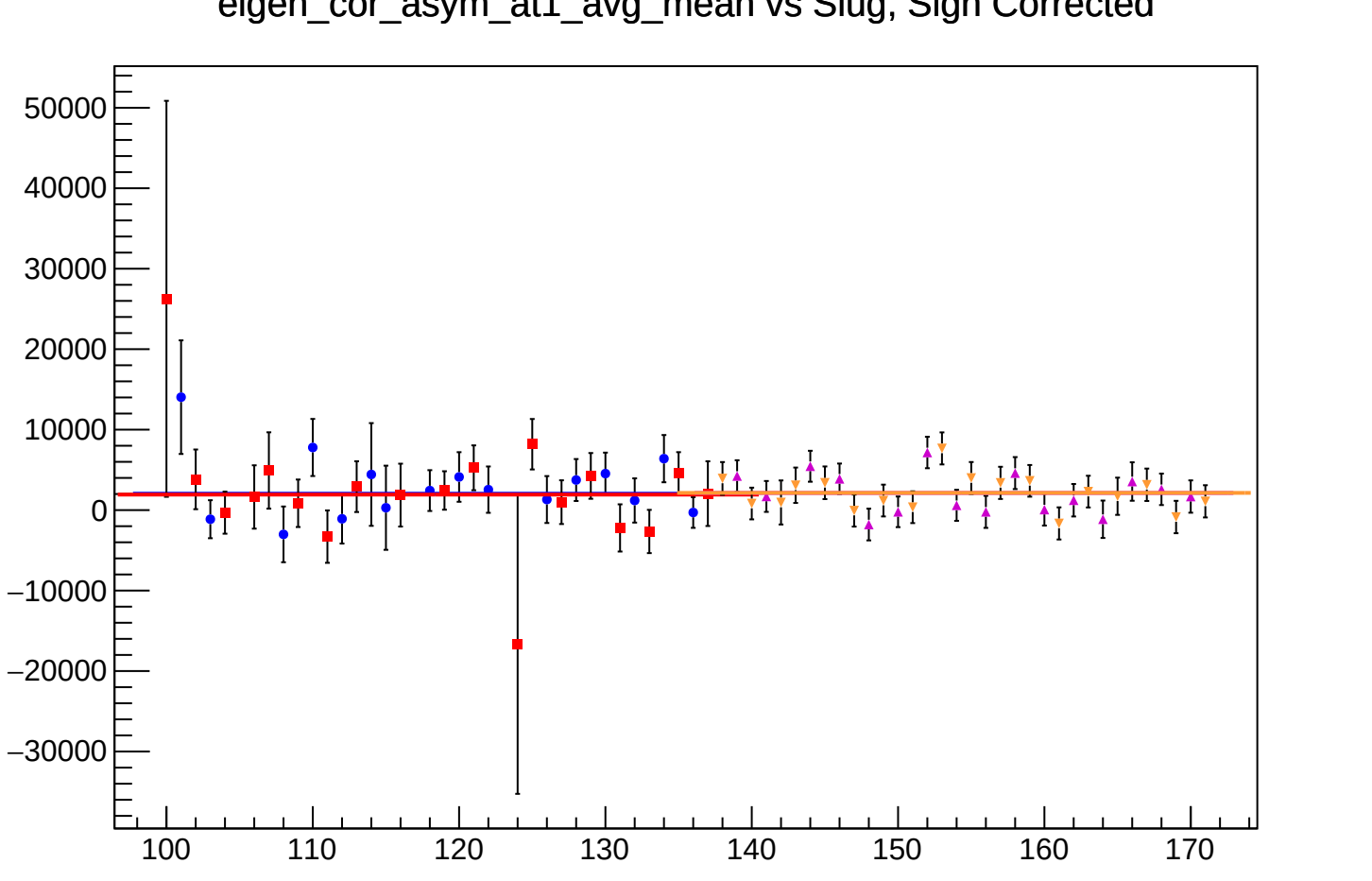
Left: 606.402+/-0.086 χ^2/NDF: 4288858.5/33

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 602.476+/-0.100 χ^2/NDF:3174366.6/31

Out: 577.956+/-0.094 χ^2/NDF:3537754.8/36

All: 589.537+/-0.069 χ^2/NDF: 6744055.7/68



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: 2130.364+/-498.950 χ^2/NDF:24.4/15

Left: 2135.033+/-346.765 χ^2/NDF: 44.6/33

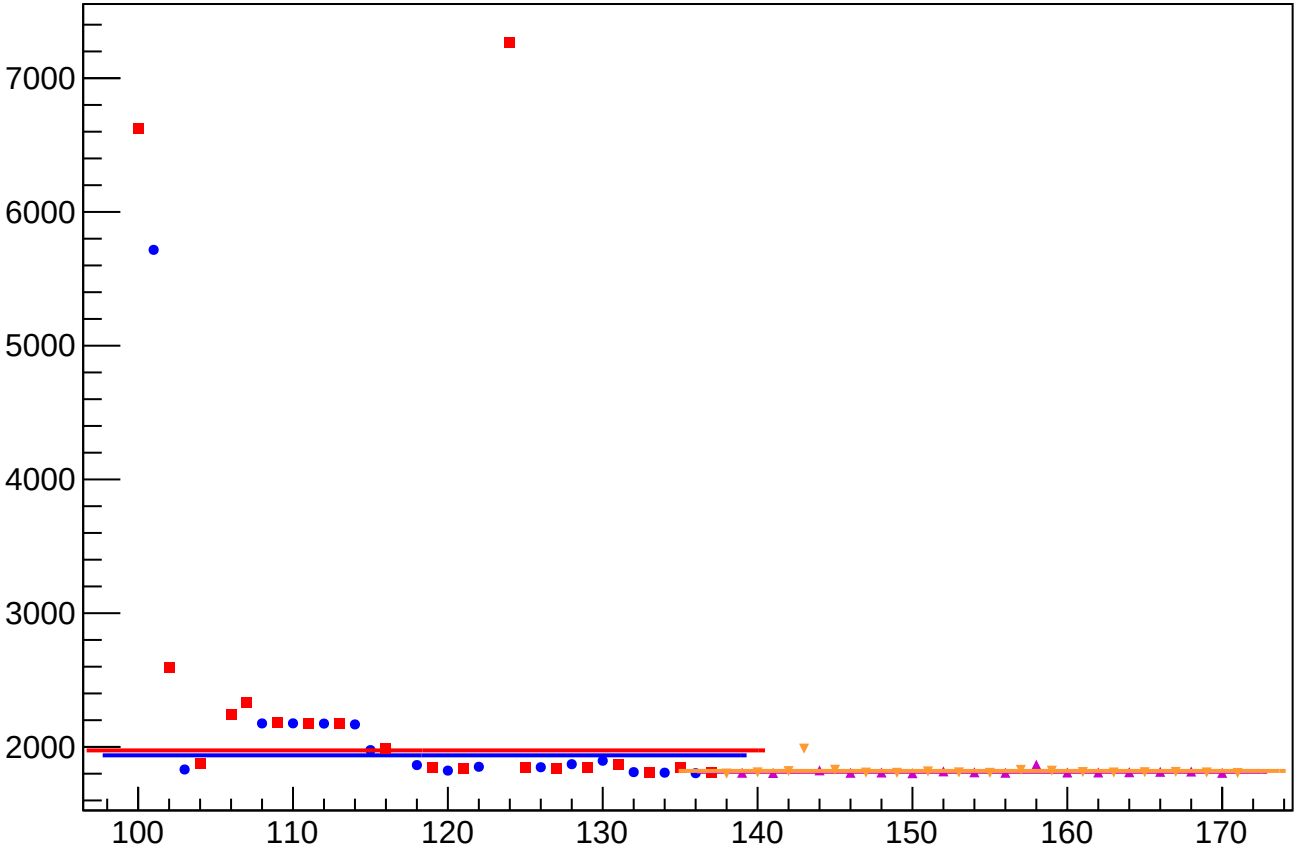
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2101.557+/-413.031 χ^2/NDF:40.8/31

Out: 2075.544+/-403.619 χ^2/NDF:38.7/36

All: 2088.251+/-288.672 χ^2/NDF: 79.5/68

eigen_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: 1814.228+/-0.353 χ^2/NDF:1752.3/15

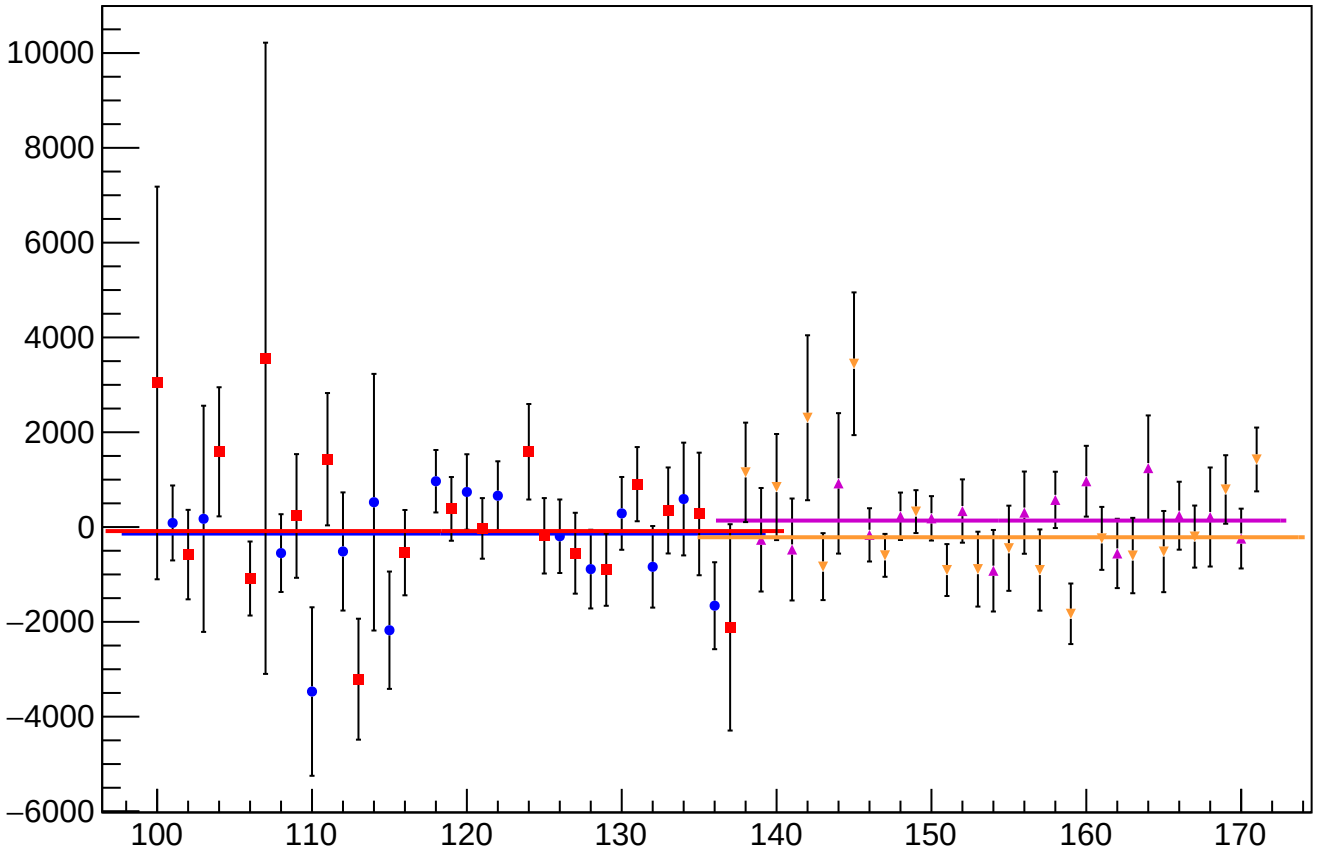
Left: 1817.618+/-0.245 χ^2/NDF: 14412.1/33

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1852.949+/-0.292 χ^2/NDF:678114.0/31

Out: 1866.733+/-0.285 χ^2/NDF:453508.1/36

All: 1860.000+/-0.204 χ^2/NDF: 1132761.5/68



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: 136.609+/-178.210 χ^2/NDF:6.8/15

Left: -50.795+/-121.803 χ^2/NDF: 40.0/33

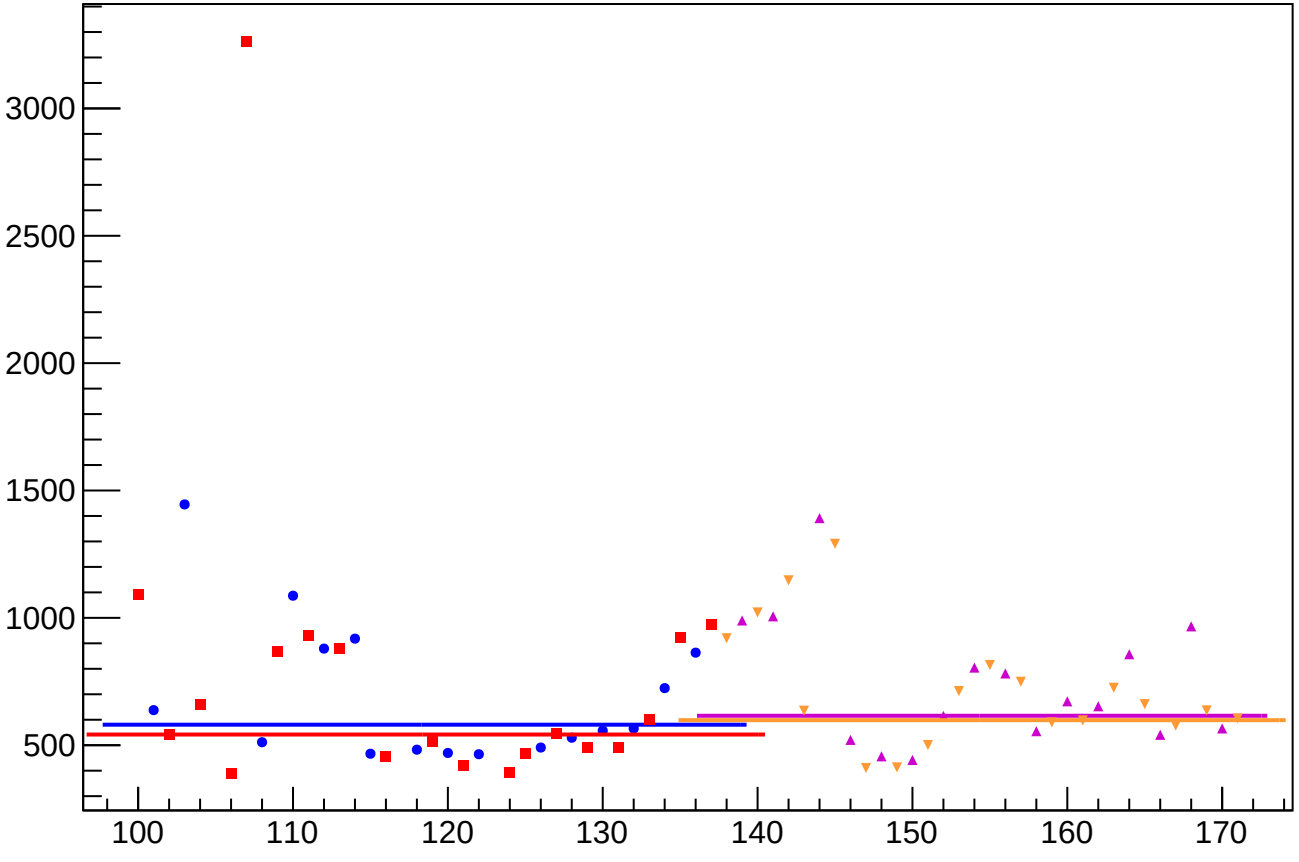
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 33.997+/-140.959 χ^2/NDF:24.5/31

Out: -168.077+/-133.359 χ^2/NDF:50.7/36

All: -72.634+/-96.875 χ^2/NDF: 76.3/68

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: 615.614+/-0.126 χ^2/NDF:2142428.7/15

Left: 606.402+/-0.086 χ^2/NDF: 4288858.5/33

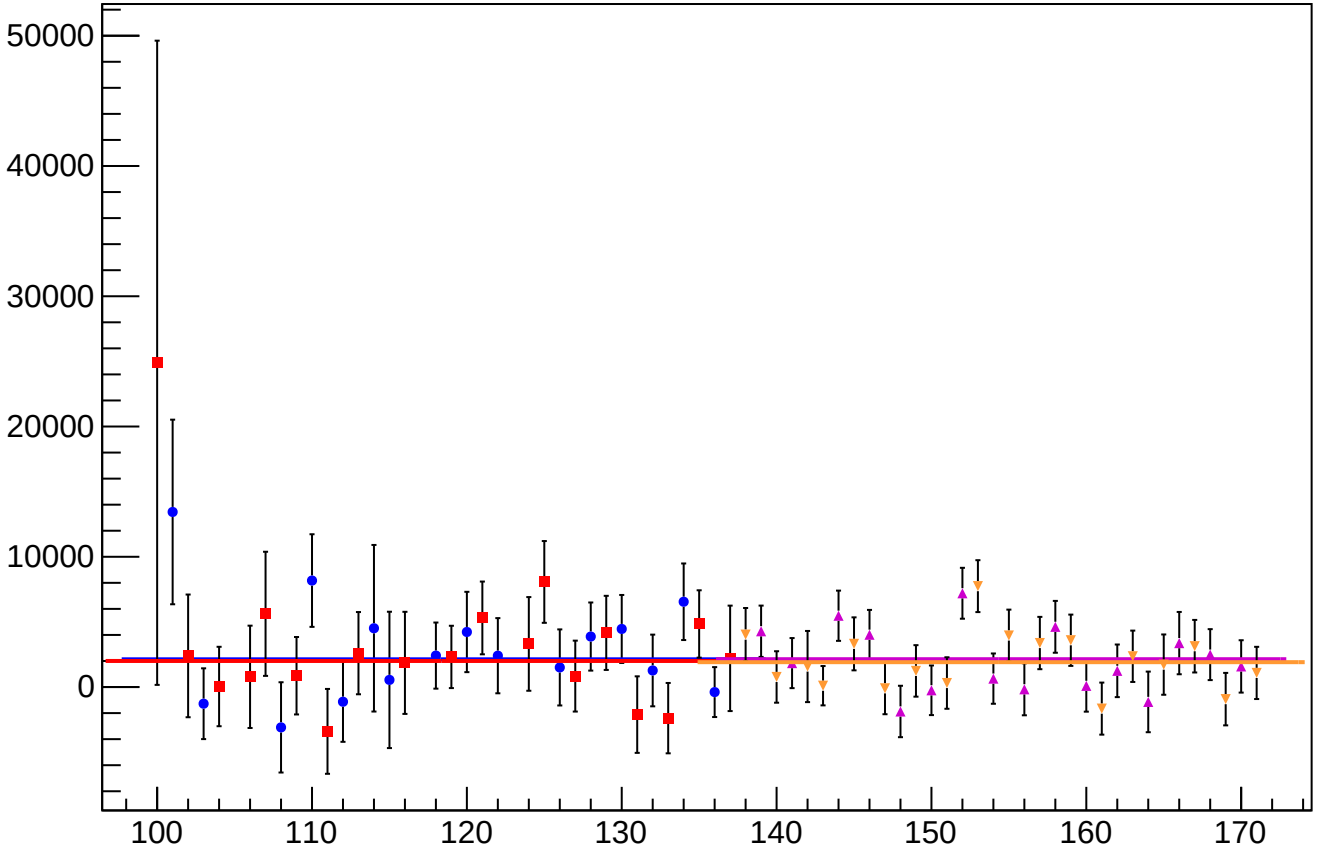
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 602.476+/-0.100 χ^2/NDF:3174366.6/31

Out: 577.956+/-0.094 χ^2/NDF:3537754.8/36

All: 589.537+/-0.069 χ^2/NDF: 6744055.7/68

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: 2137.125+/-499.500 χ^2/NDF:24.7/15

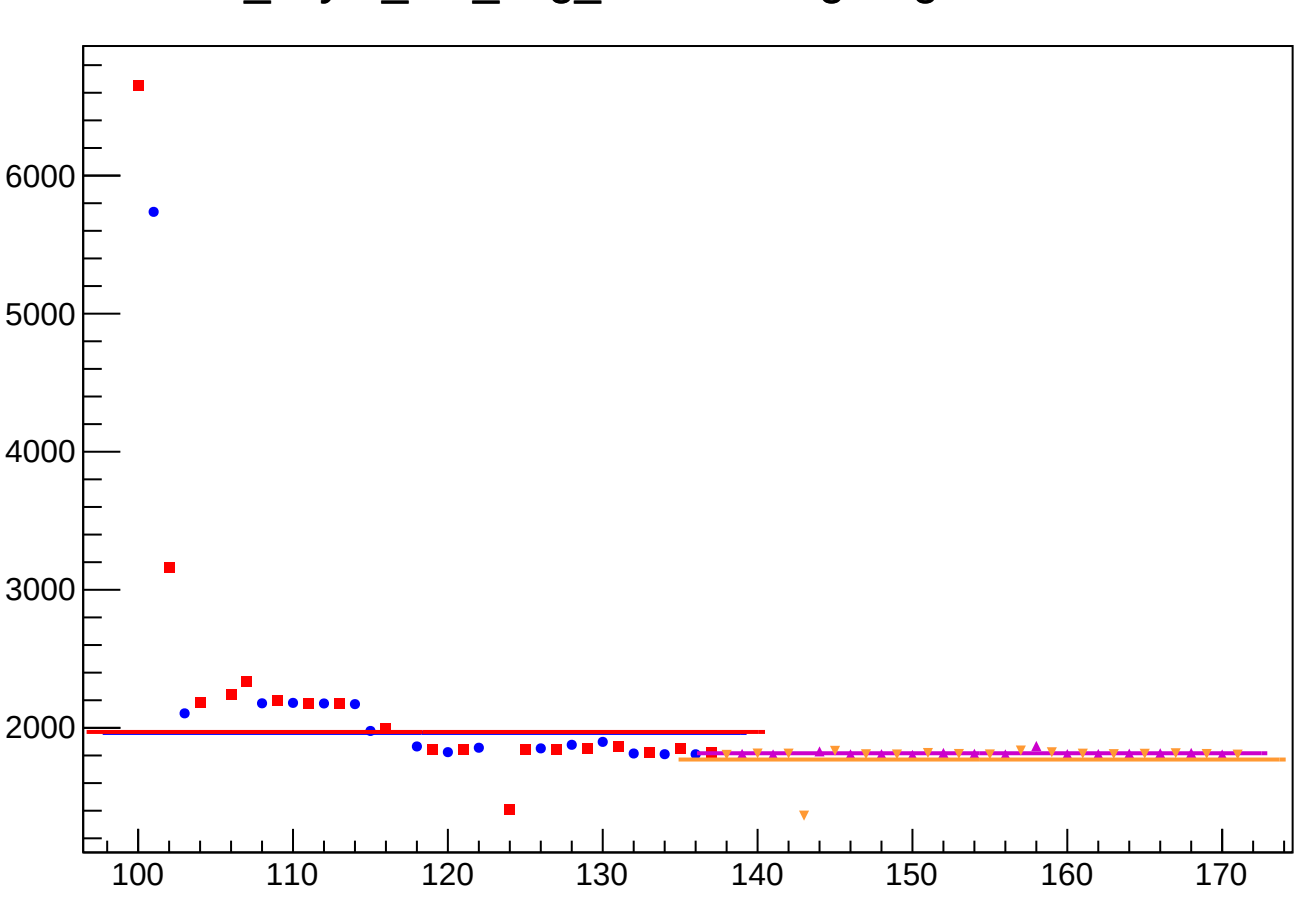
Left: 2016.660+/-342.387 χ^2/NDF: 46.6/33

Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2134.533+/-415.094 χ^2/NDF:41.2/31

Out: 1936.597+/-396.451 χ^2/NDF:38.5/36

All: 2031.021+/-286.697 χ^2/NDF: 79.9/68



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: 1816.208+/-0.353 χ^2/NDF:1797.8/15

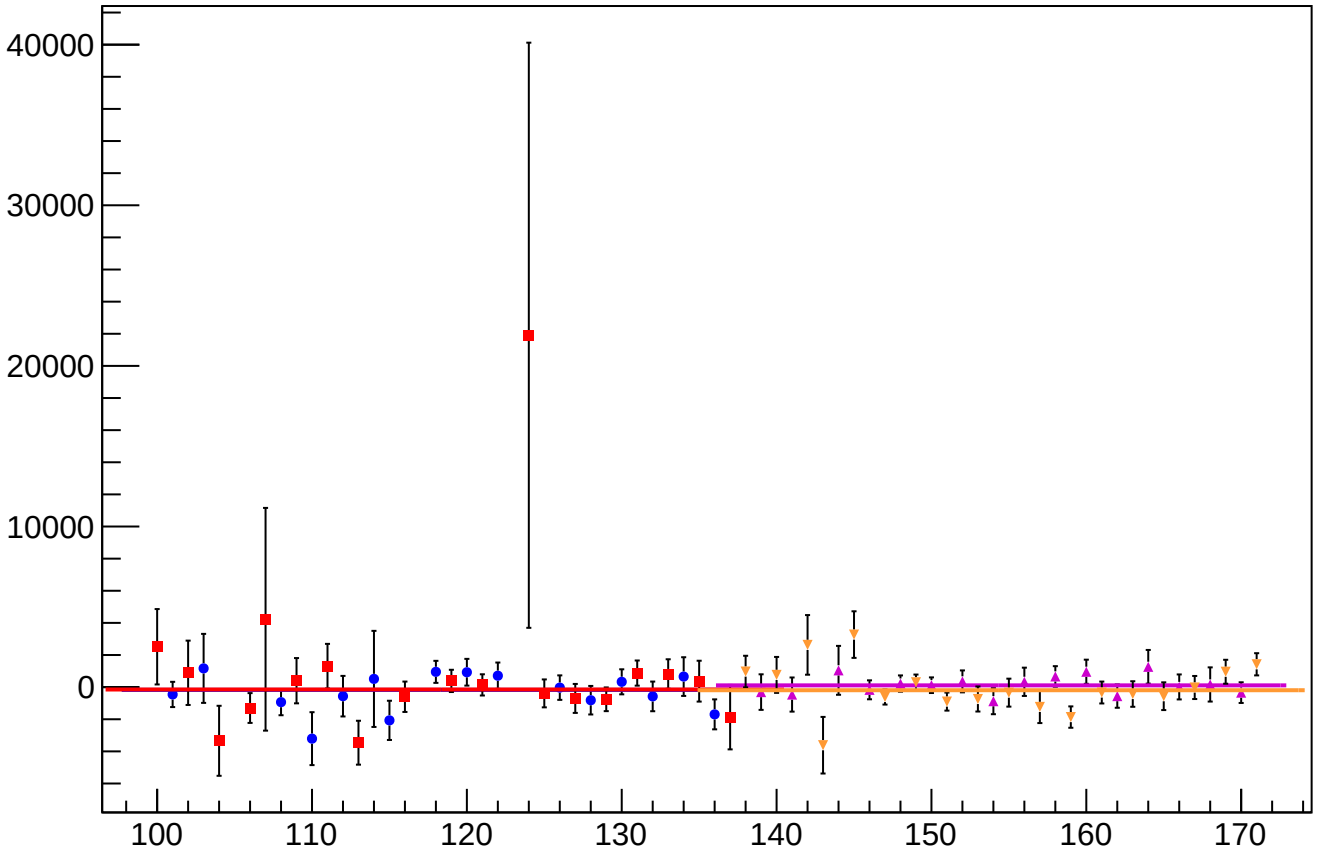
Left: 1792.062+/-0.242 χ^2/NDF: 171705.6/33

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1861.755+/-0.294 χ^2/NDF:695797.9/31

Out: 1828.445+/-0.280 χ^2/NDF:610646.0/36

All: 1844.336+/-0.203 χ^2/NDF: 1313179.2/68



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: 110.578+/-182.408 χ^2/NDF:7.3/15

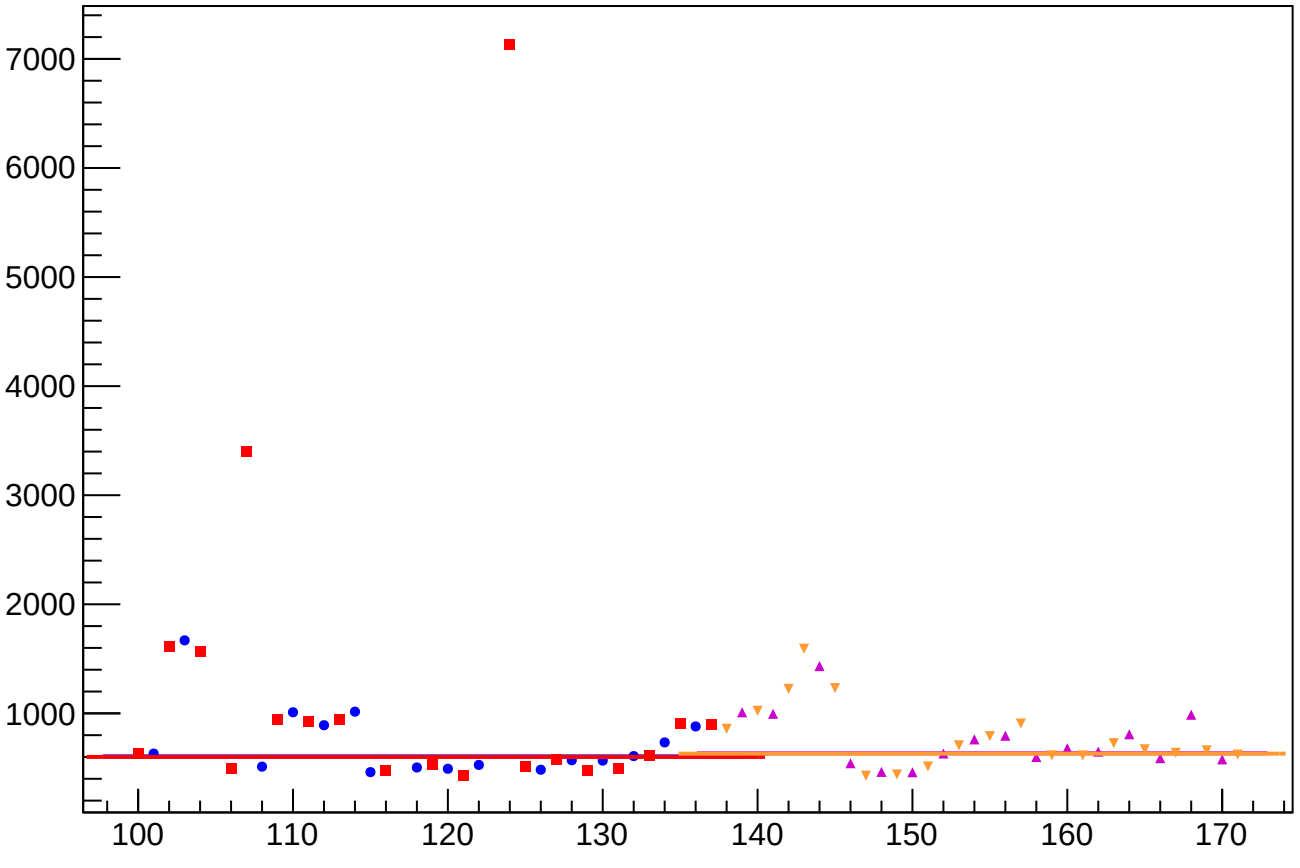
Left: -45.620+/-126.891 χ^2/NDF: 42.3/33

Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: 5.865+/-144.532 χ^2/NDF:25.5/31

Out: -176.655+/-142.845 χ^2/NDF:53.6/36

All: -86.466+/-101.598 χ^2/NDF: 79.9/68



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 630.593+/-0.125 χ^2/NDF:2546496.8/17

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 633.971+/-0.129 χ^2/NDF:1972006.2/15

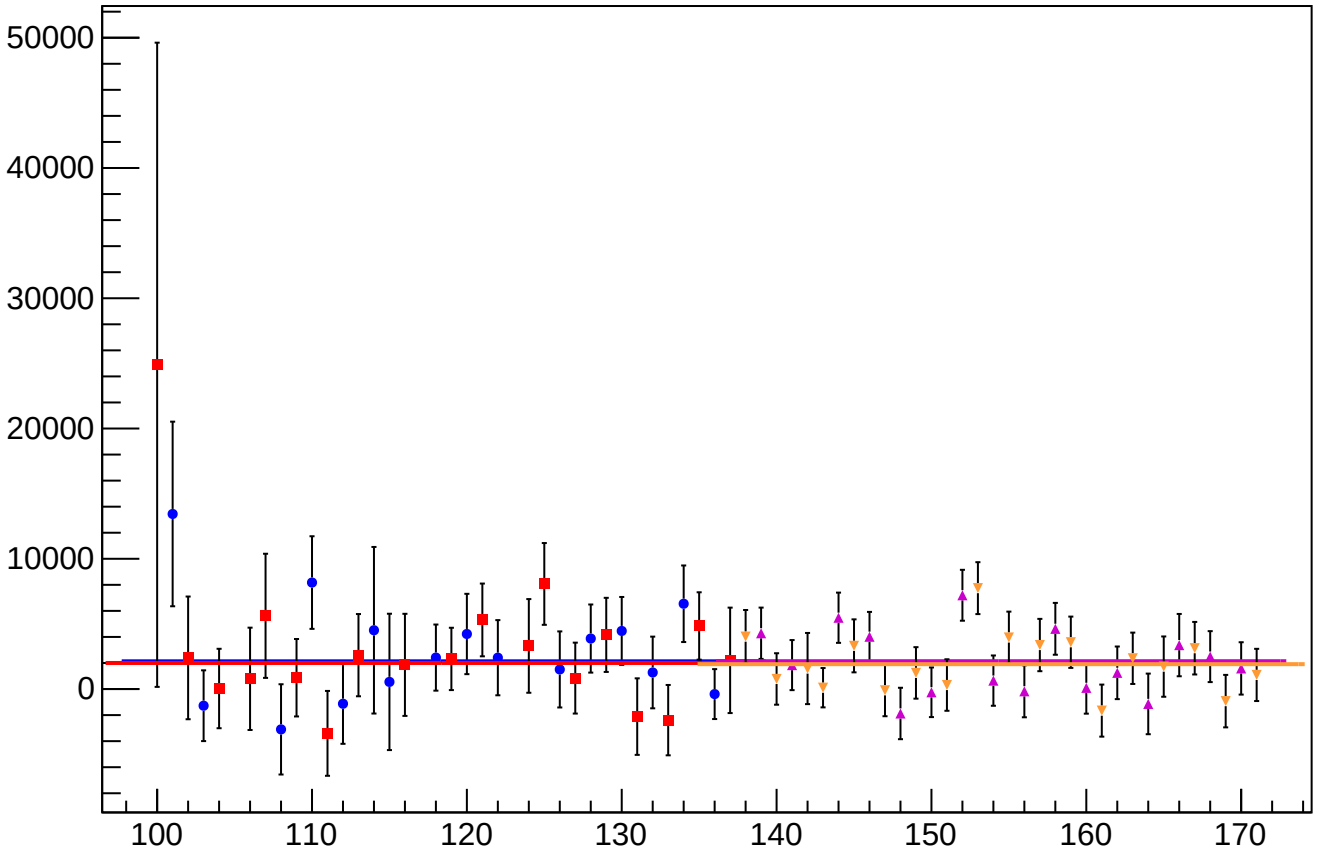
Left: 632.227+/-0.090 χ^2/NDF: 4518857.0/33

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 623.348+/-0.102 χ^2/NDF:3152684.4/31

Out: 620.163+/-0.101 χ^2/NDF:4895177.0/36

All: 621.737+/-0.072 χ^2/NDF: 8048352.9/68



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: 2137.125+/-499.500 χ^2/NDF:24.7/15

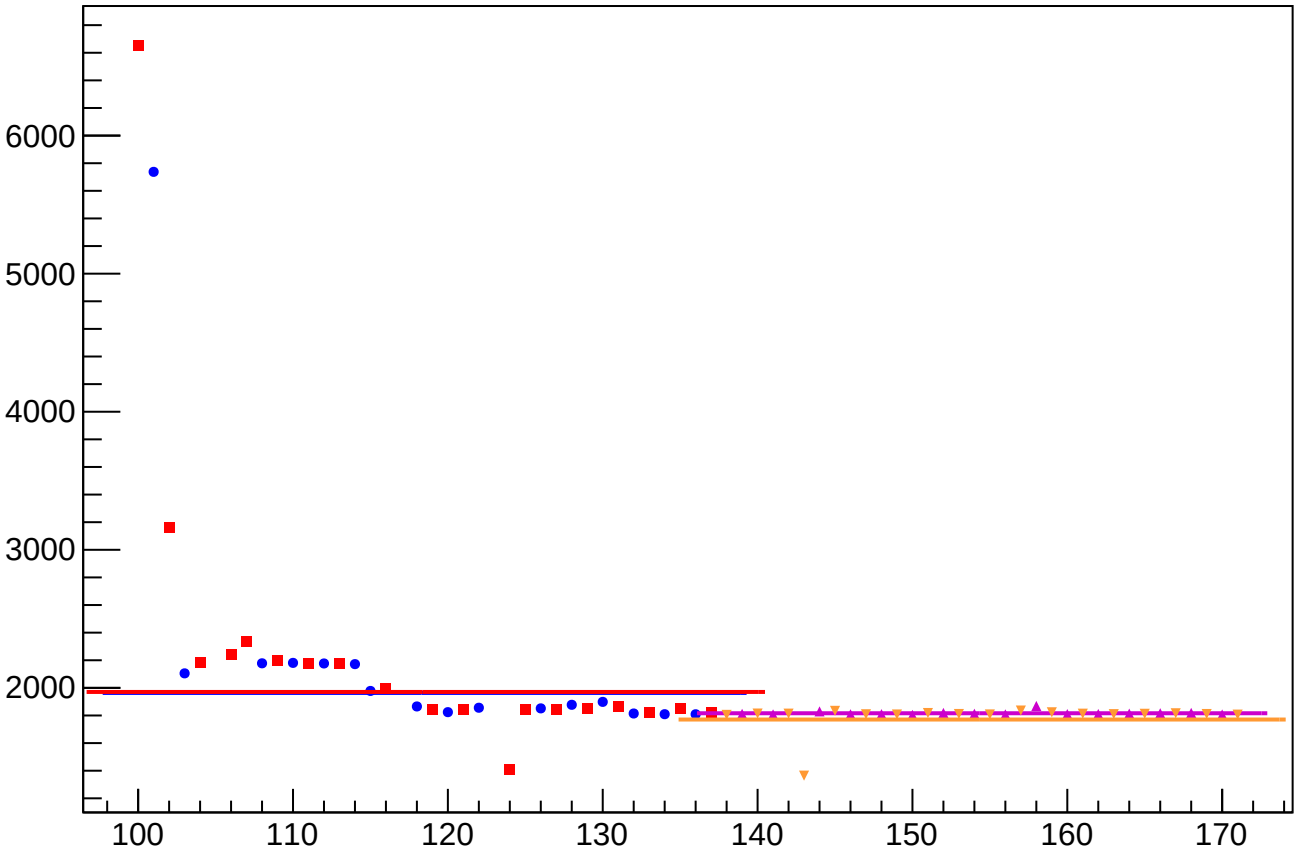
Left: 2016.661+/-342.387 χ^2/NDF: 46.6/33

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2134.533+/-415.094 χ^2/NDF:41.2/31

Out: 1936.597+/-396.451 χ^2/NDF:38.5/36

All: 2031.020+/-286.697 χ^2/NDF: 79.9/68



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: 1816.208+/-0.353 χ^2/NDF:1797.8/15

Left: 1792.062+/-0.242 χ^2/NDF: 171705.6/33

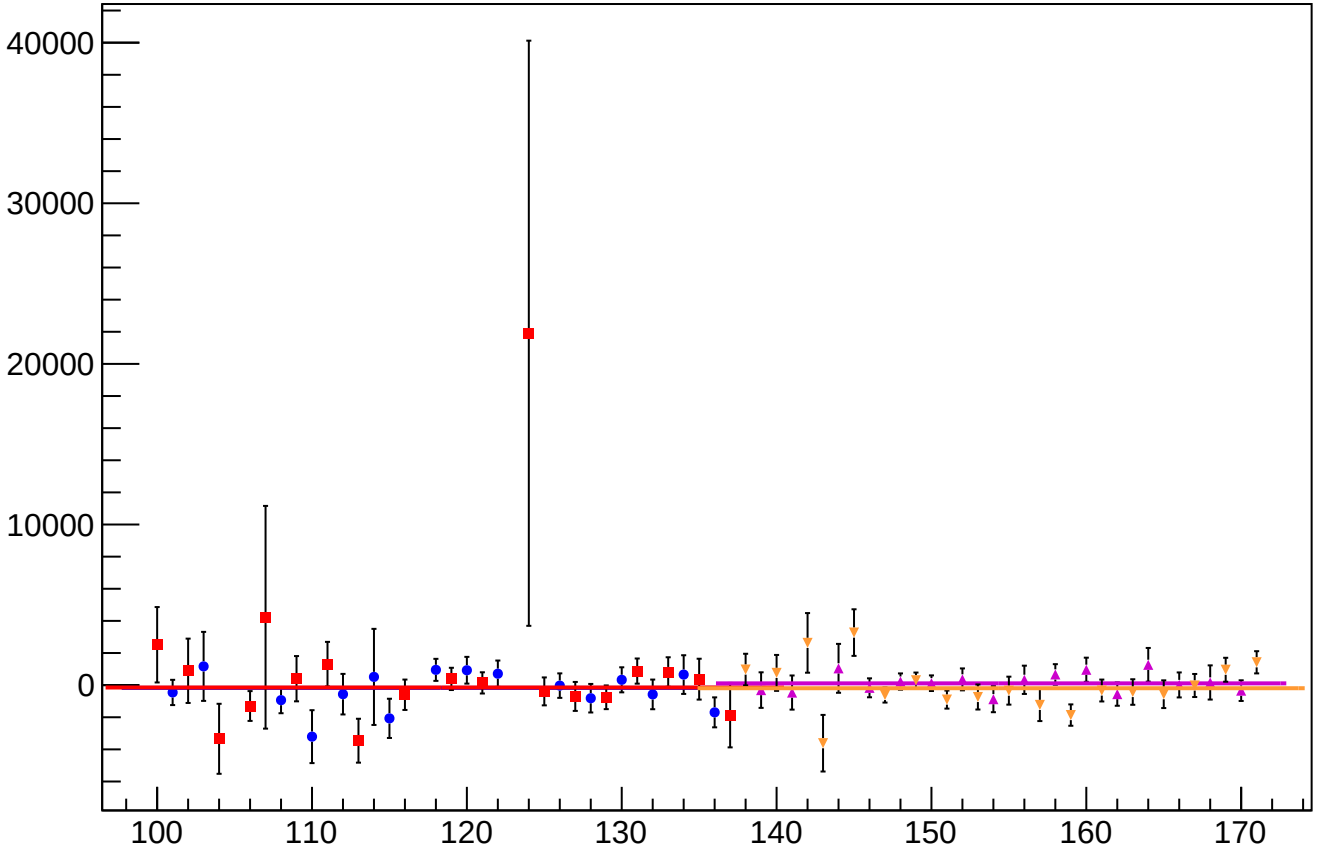
Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1861.755+/-0.294 χ^2/NDF:695797.4/31

Out: 1828.445+/-0.280 χ^2/NDF:610644.4/36

All: 1844.335+/-0.203 χ^2/NDF: 1313177.2/68

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: 110.577+/-182.409 χ^2/NDF:7.3/15

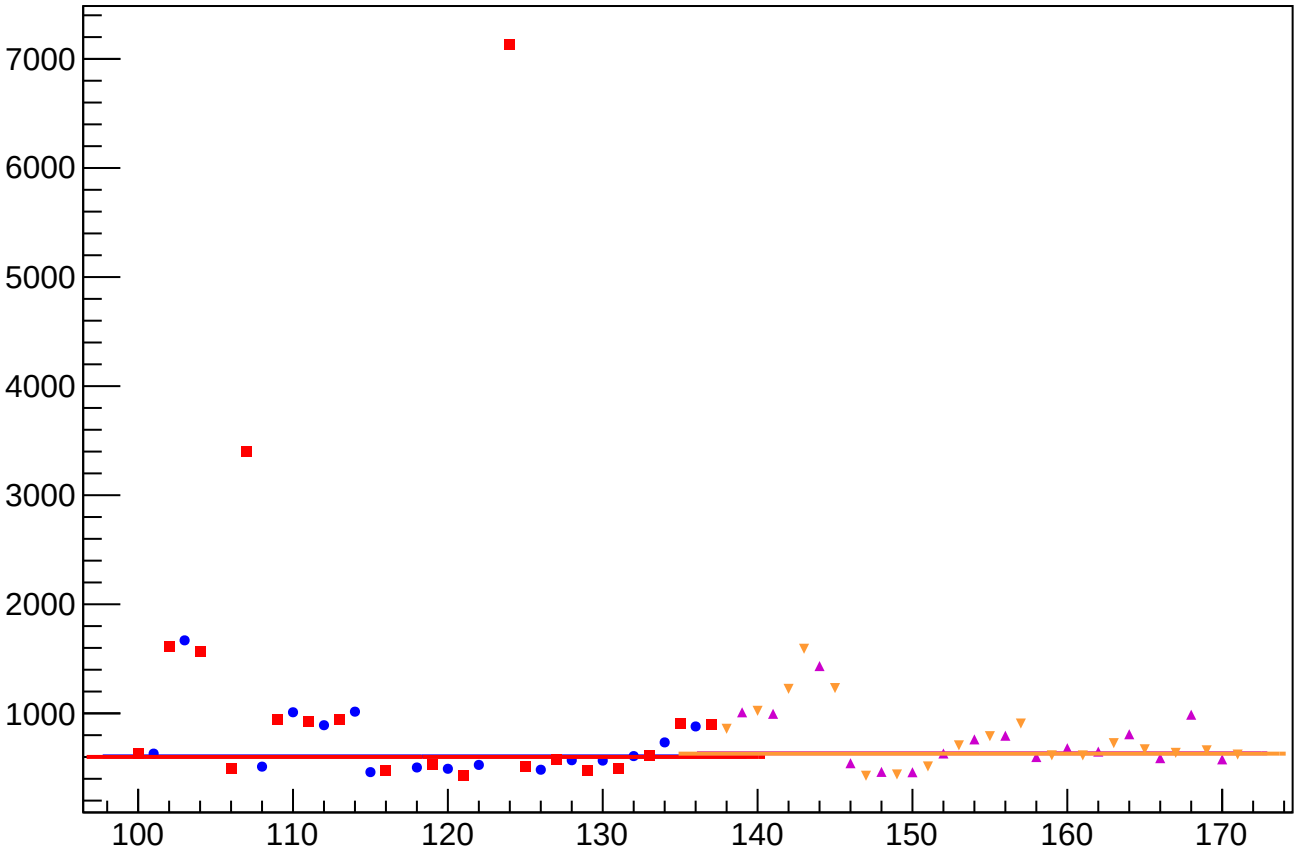
Left: -45.621+/-126.891 χ^2/NDF: 42.3/33

Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: 5.864+/-144.532 χ^2/NDF:25.5/31

Out: -176.655+/-142.845 χ^2/NDF:53.6/36

All: -86.466+/-101.598 χ^2/NDF: 79.9/68



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: 633.972+/-0.129 χ^2/NDF:1972000.9/15

Left: 632.229+/-0.090 χ^2/NDF: 4518843.8/33

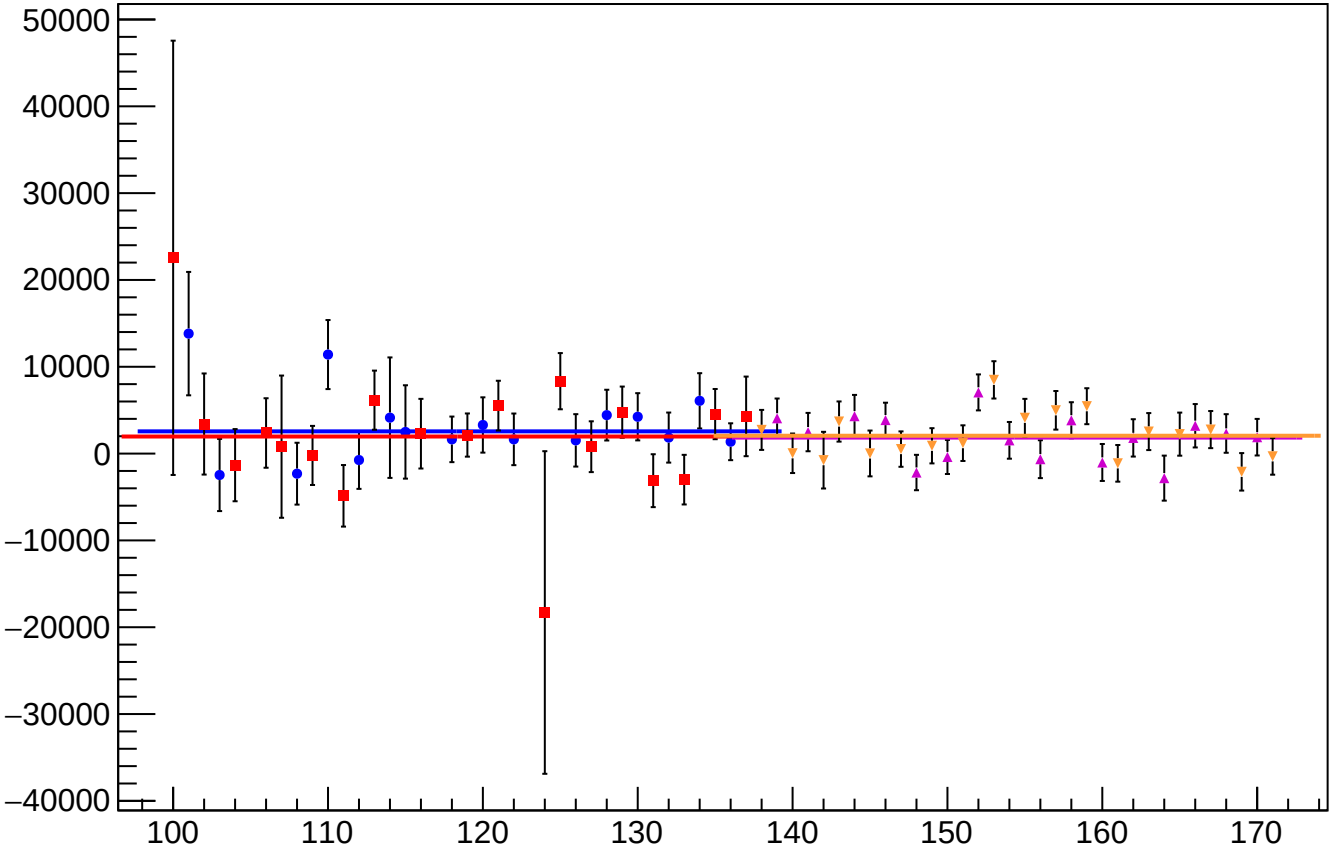
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 623.349+/-0.102 χ^2/NDF:3152689.9/31

Out: 620.163+/-0.101 χ^2/NDF:4895179.8/36

All: 621.737+/-0.072 χ^2/NDF: 8048361.1/68

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: 1842.811+/-543.348 χ^2/NDF:22.2/15

Left: 1953.291+/-376.892 χ^2/NDF: 47.8/33

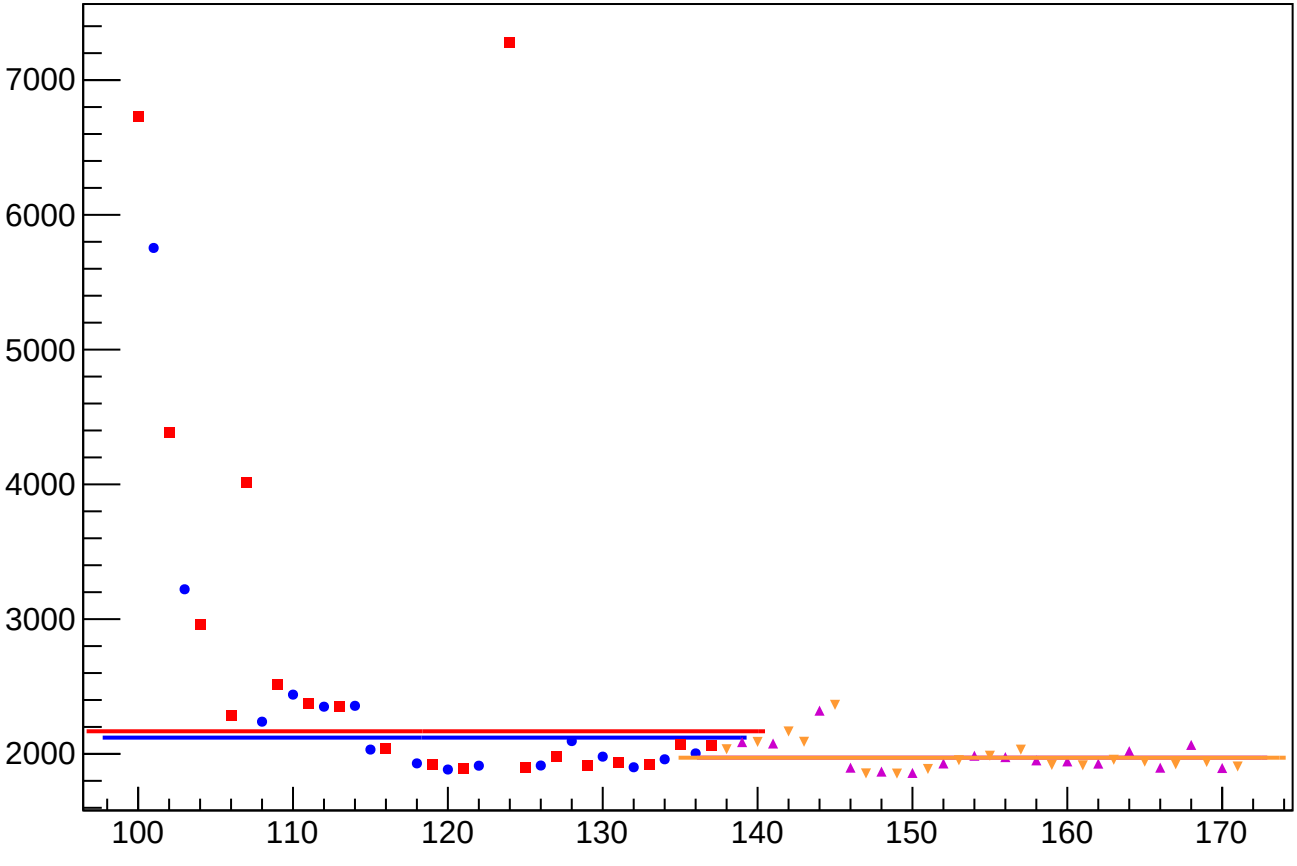
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2065.809+/-451.171 χ^2/NDF:37.4/31

Out: 2029.934+/-440.905 χ^2/NDF:47.1/36

All: 2047.459+/-315.334 χ^2/NDF: 84.4/68

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: 1972.173+/-0.384 χ^2/NDF:75847.5/15

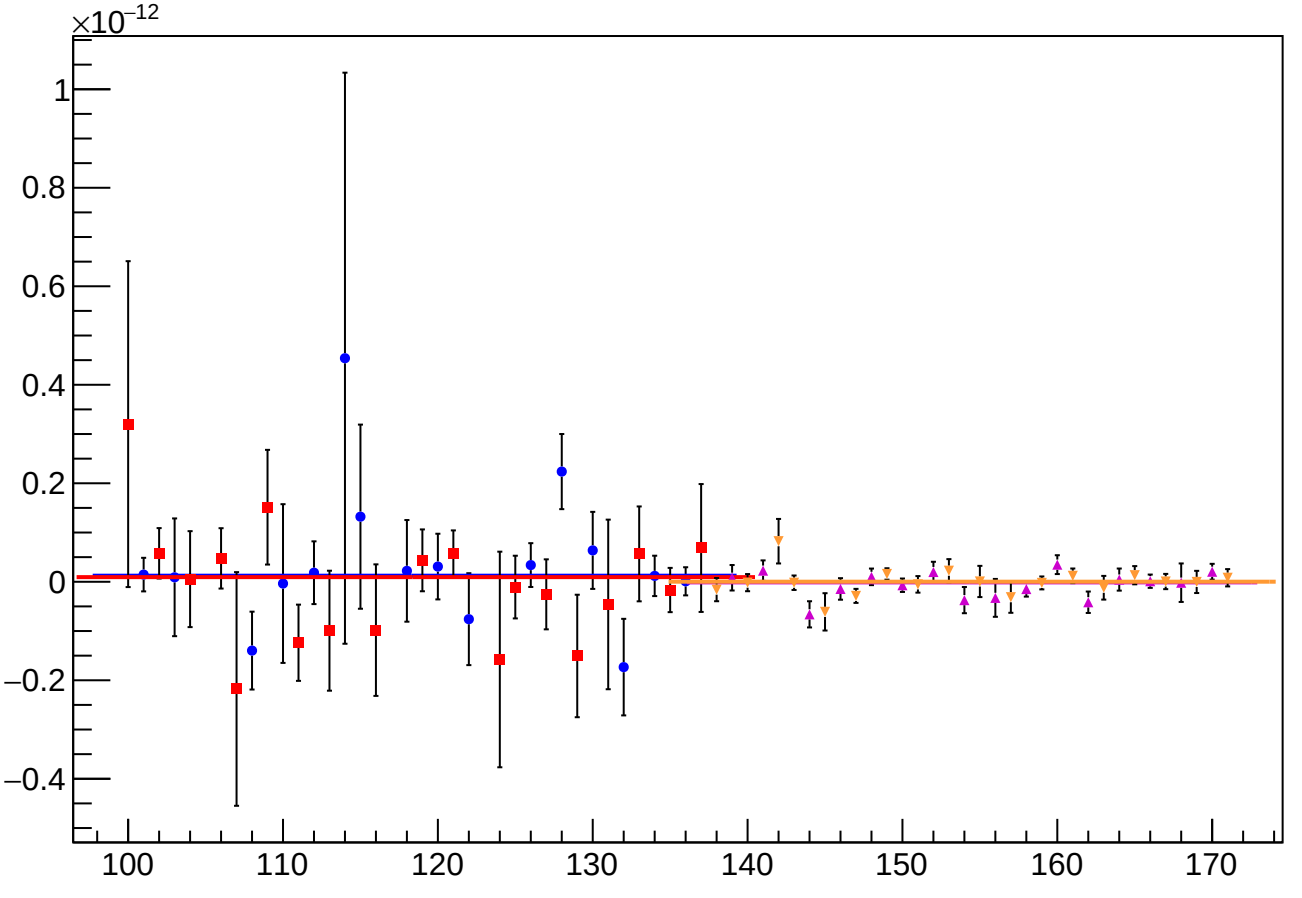
Left: 1971.918+/-0.267 χ^2/NDF: 164080.7/33

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2018.317+/-0.319 χ^2/NDF:882269.8/31

Out: 2028.553+/-0.312 χ^2/NDF:993657.3/36

All: 2023.553+/-0.223 χ^2/NDF: 1876453.7/68



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:21.6/15

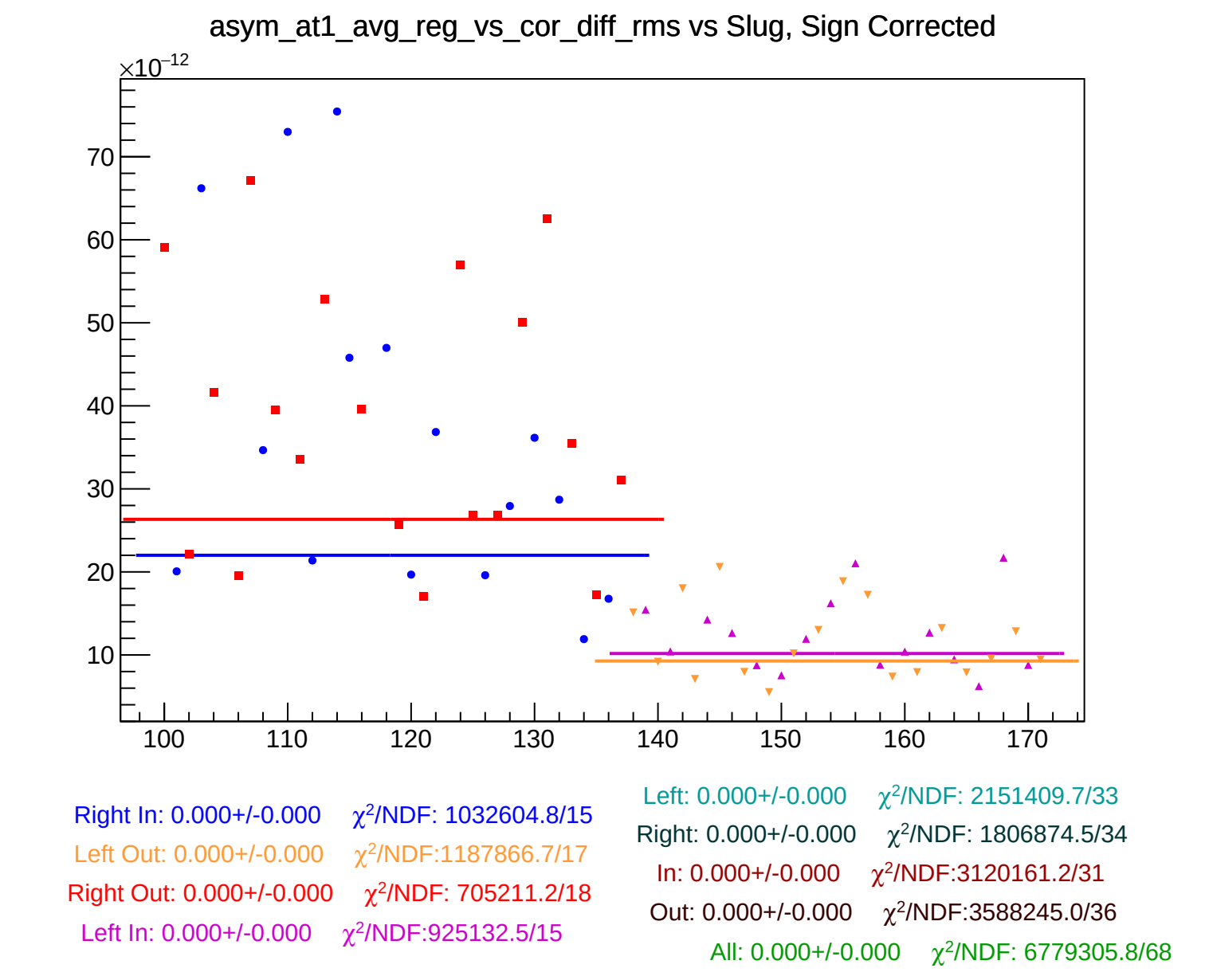
Left: -0.000+/-0.000 χ^2/NDF: 37.7/33

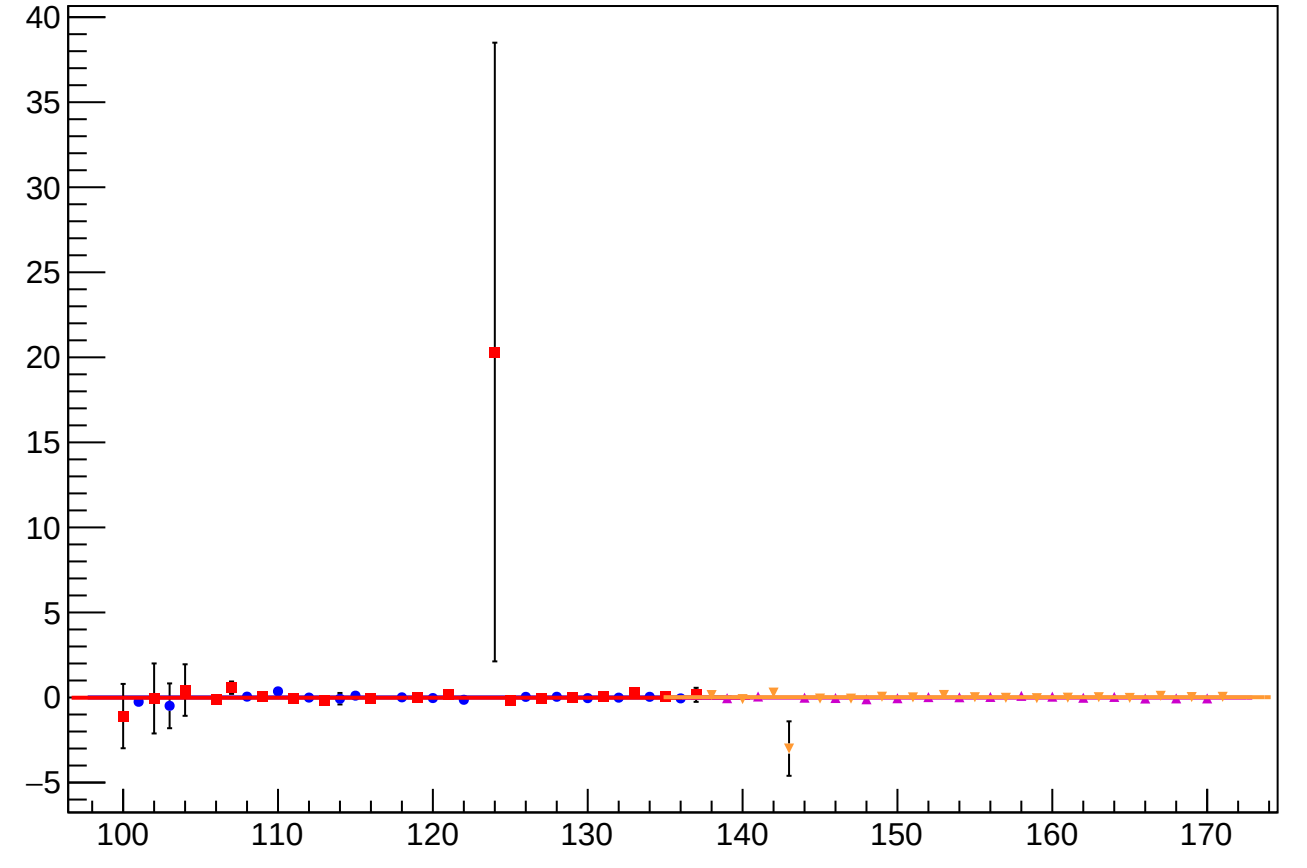
Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

In: 0.000+/-0.000 χ^2/NDF:40.2/31

Out: 0.000+/-0.000 χ^2/NDF:30.0/36

All: 0.000+/-0.000 χ^2/NDF: 70.2/68


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:925132.5/15
Left: 0.000+/-0.000 χ²/NDF: 2151409.7/33
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3120161.2/31
Out: 0.000+/-0.000 χ²/NDF:3588245.0/36
All: 0.000+/-0.000 χ²/NDF: 6779305.8/68



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:14.4/15

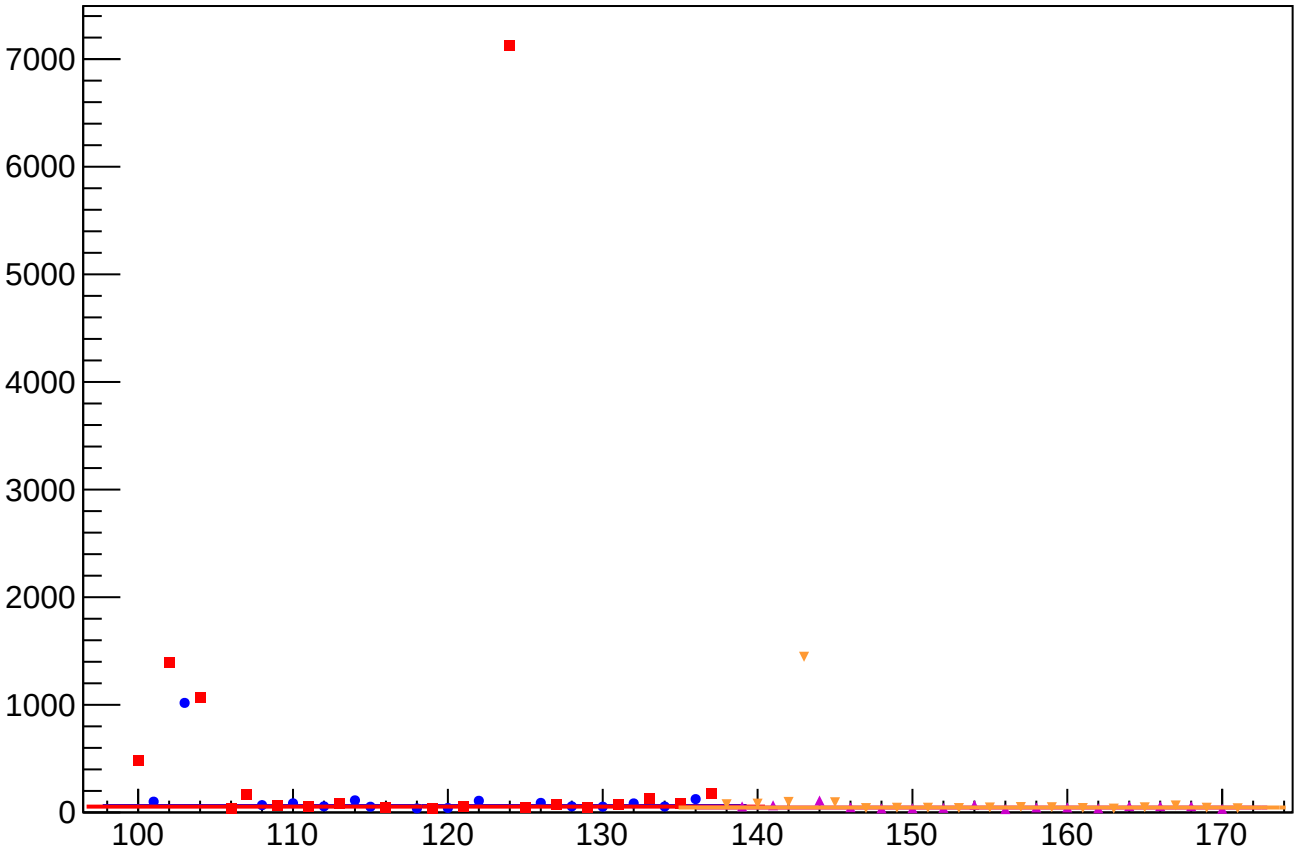
Left: 0.005+/-0.010 χ^2/NDF: 40.6/33

Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.011+/-0.012 χ^2/NDF:43.2/36

All: 0.003+/-0.009 χ^2/NDF: 70.0/68



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: 45.347+/-0.010 χ^2/NDF:1676528.5/15

Left: 45.689+/-0.007 χ^2/NDF: 4667097.4/33

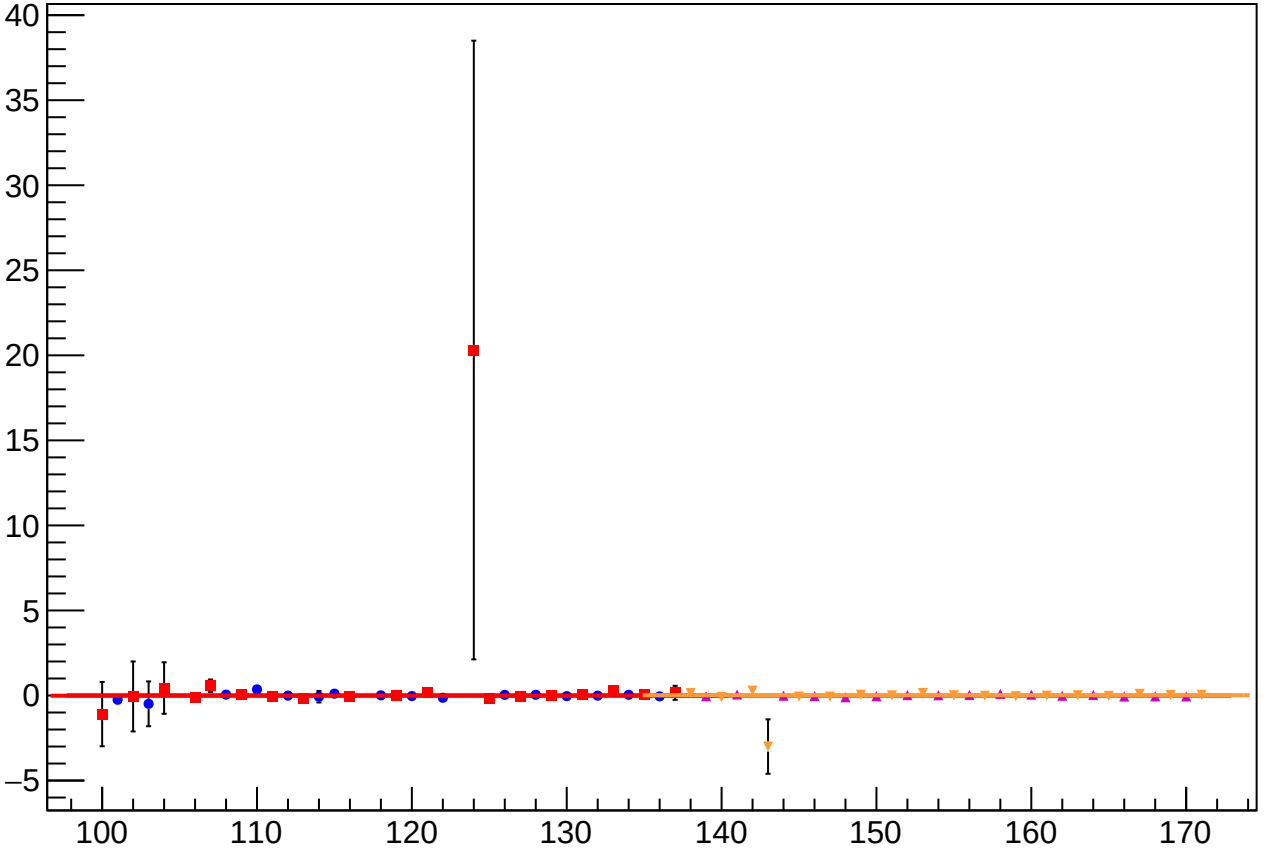
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.525+/-0.009 χ^2/NDF:4674820.7/31

Out: 47.917+/-0.009 χ^2/NDF:6666095.9/36

All: 48.218+/-0.006 χ^2/NDF: 11343304.7/68

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:14.4/15

Left: 0.005+/-0.010 χ^2/NDF: 40.6/33

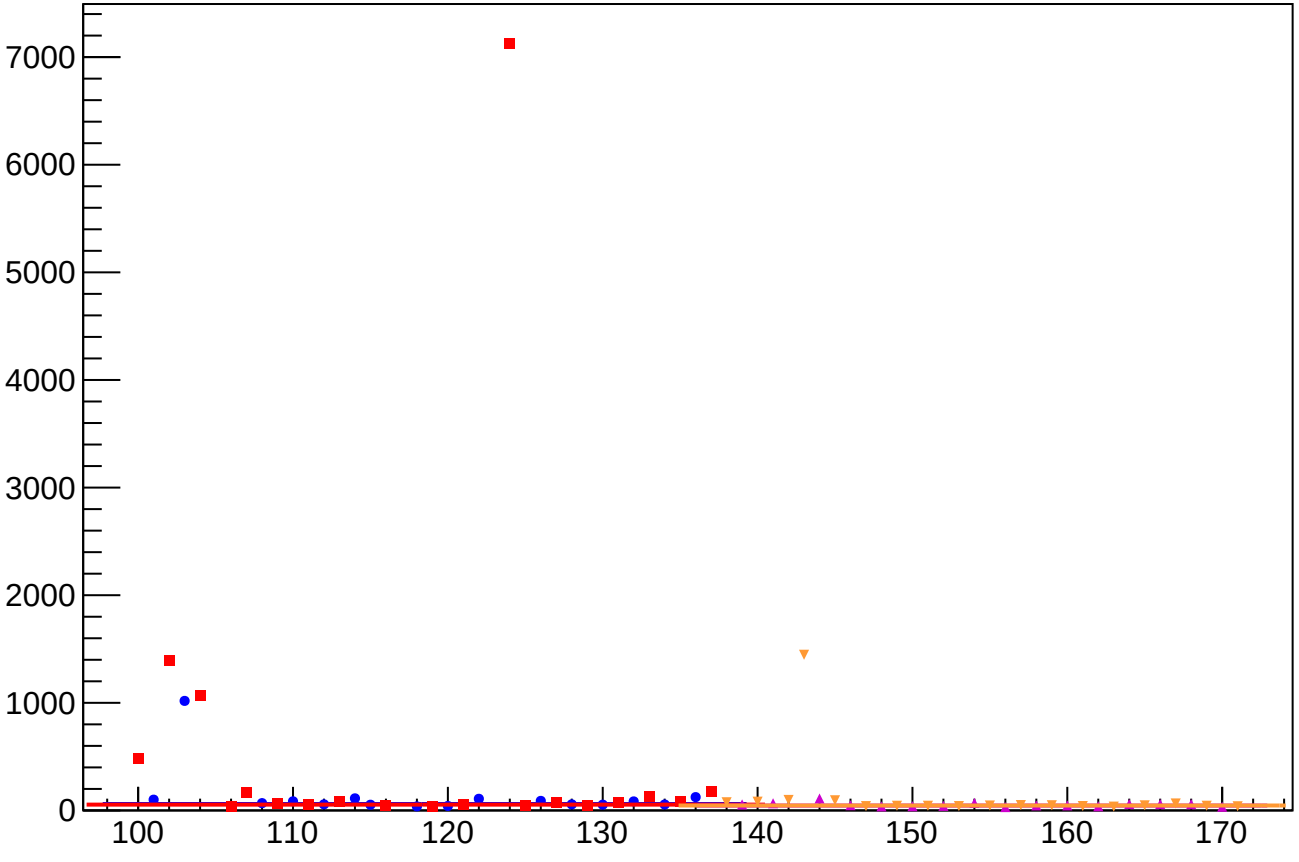
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.011+/-0.012 χ^2/NDF:43.2/36

All: 0.003+/-0.009 χ^2/NDF: 70.0/68

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: 45.347+/-0.010 χ^2/NDF:1676528.5/15

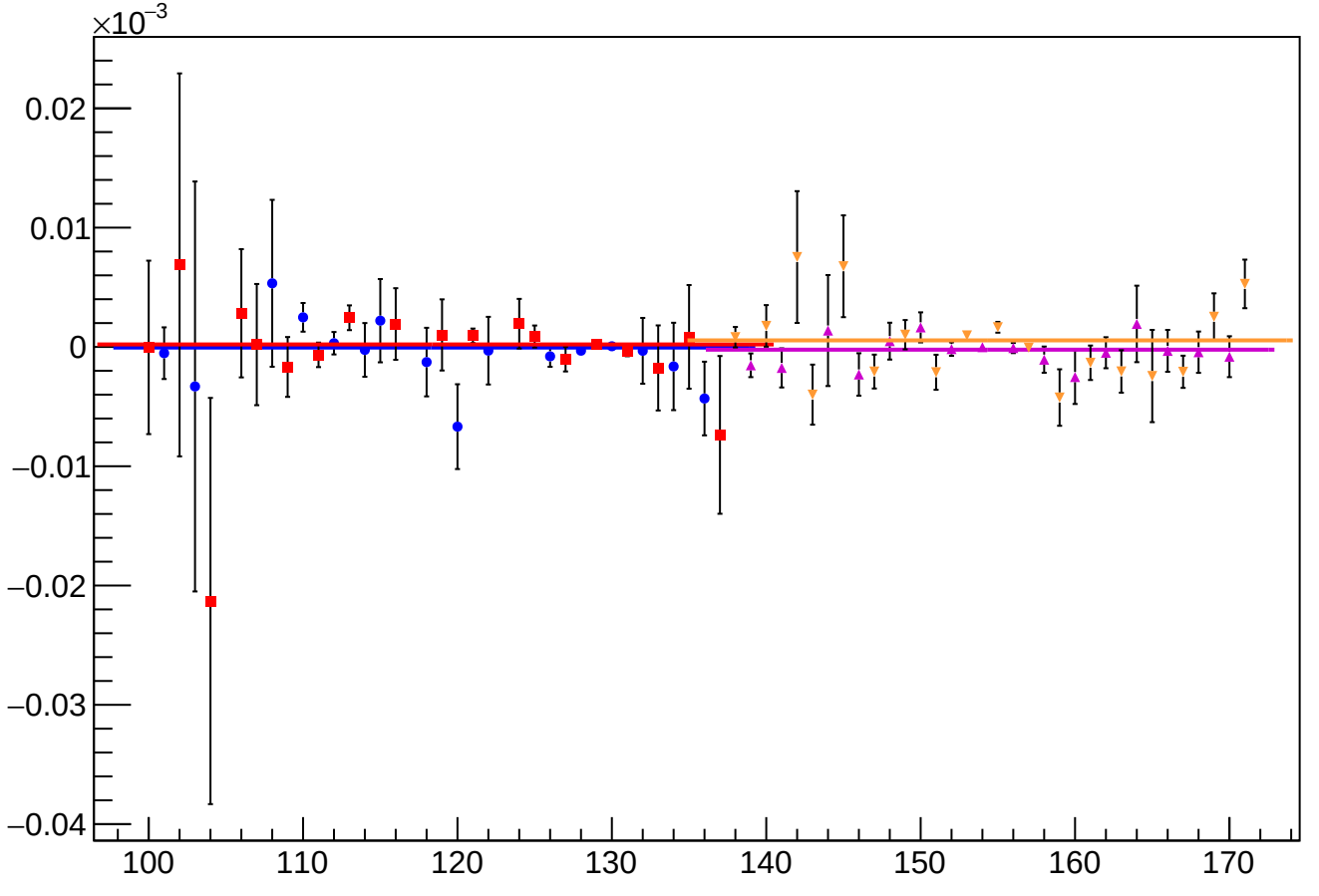
Left: 45.689+/-0.007 χ^2/NDF: 4667097.4/33

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.525+/-0.009 χ^2/NDF:4674820.7/31

Out: 47.917+/-0.009 χ^2/NDF:6666095.9/36

All: 48.218+/-0.006 χ^2/NDF: 11343304.7/68



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:9.2/15

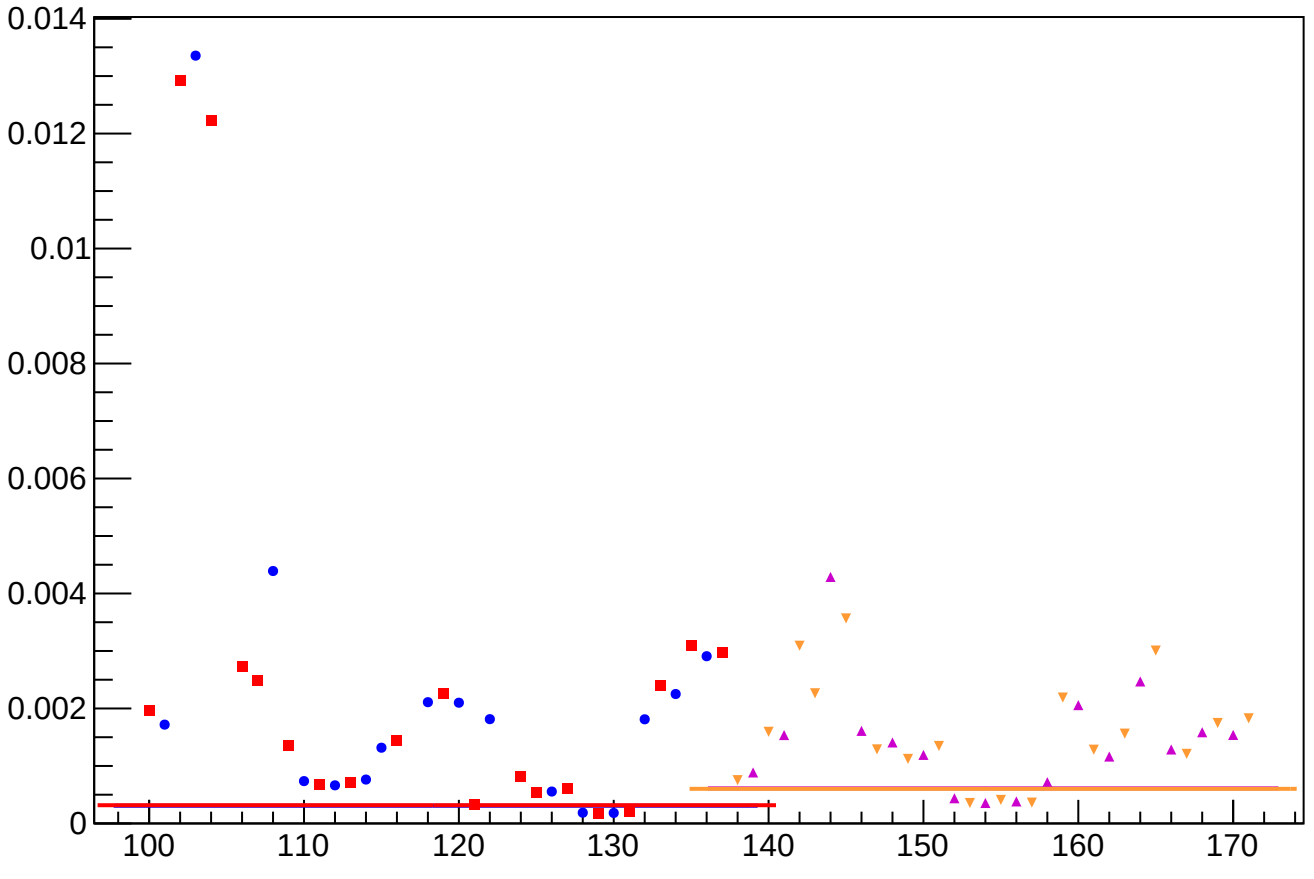
Left: 0.000+/-0.000 χ^2/NDF: 58.5/33

Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:22.4/31

Out: 0.000+/-0.000 χ^2/NDF:59.7/36

All: 0.000+/-0.000 χ^2/NDF: 88.1/68



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:8682875.3/15

Left: 0.001+/-0.000 χ^2/NDF: 19373094.9/33

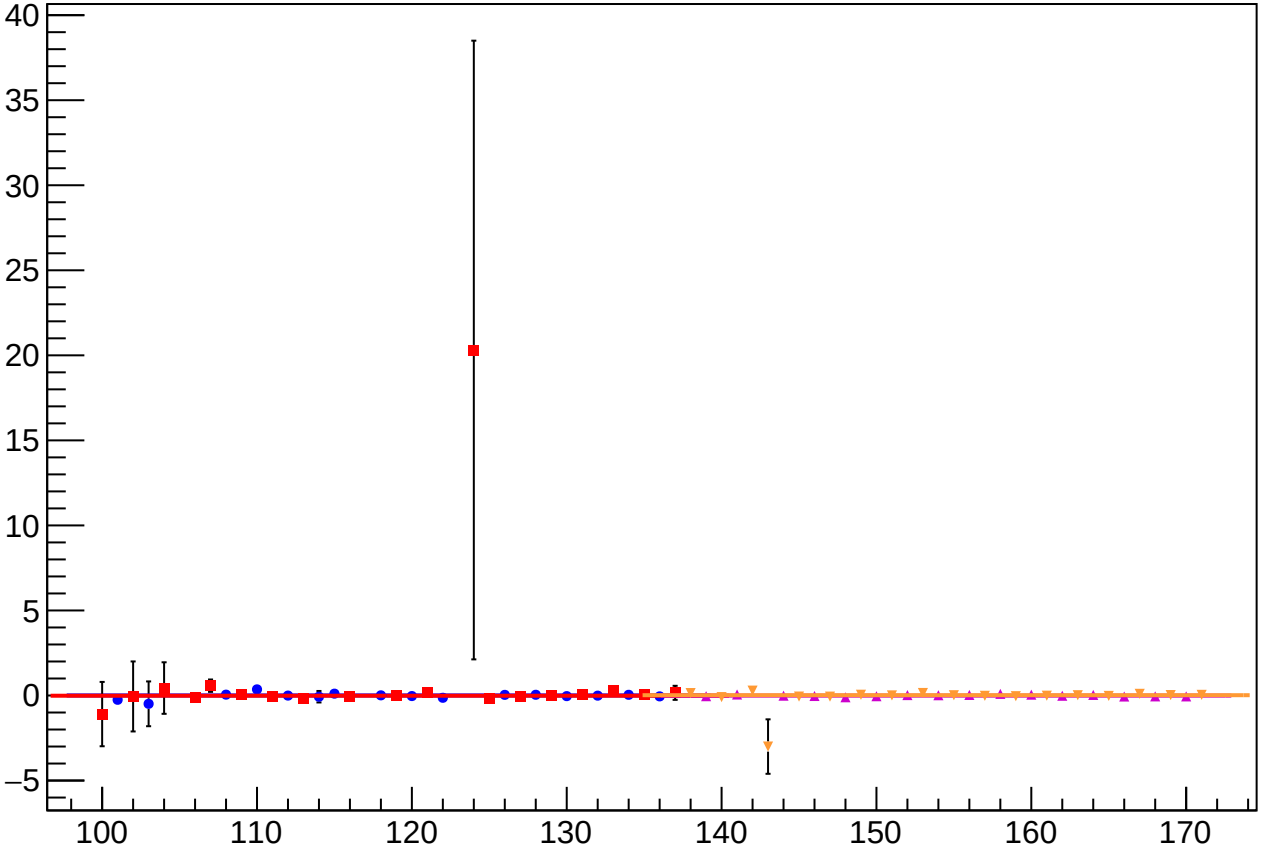
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:19593173.4/31

Out: 0.000+/-0.000 χ^2/NDF:20738460.7/36

All: 0.000+/-0.000 χ^2/NDF: 40334843.6/68

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:14.4/15

Left: 0.005+/-0.010 χ^2/NDF: 40.6/33

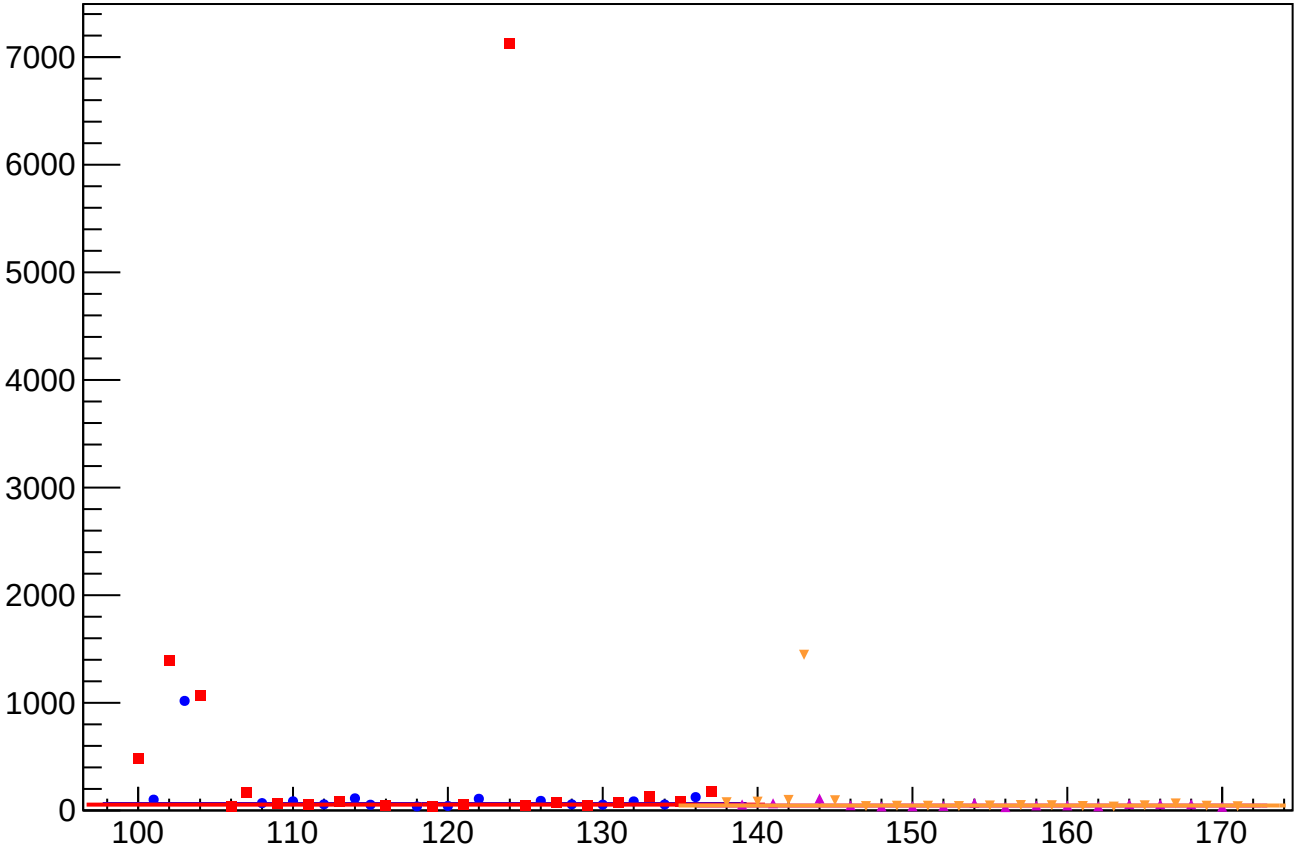
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.011+/-0.012 χ^2/NDF:43.2/36

All: 0.003+/-0.009 χ^2/NDF: 70.0/68

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: 45.347+/-0.010 χ^2/NDF:1676531.0/15

Left: 45.689+/-0.007 χ^2/NDF: 4667085.2/33

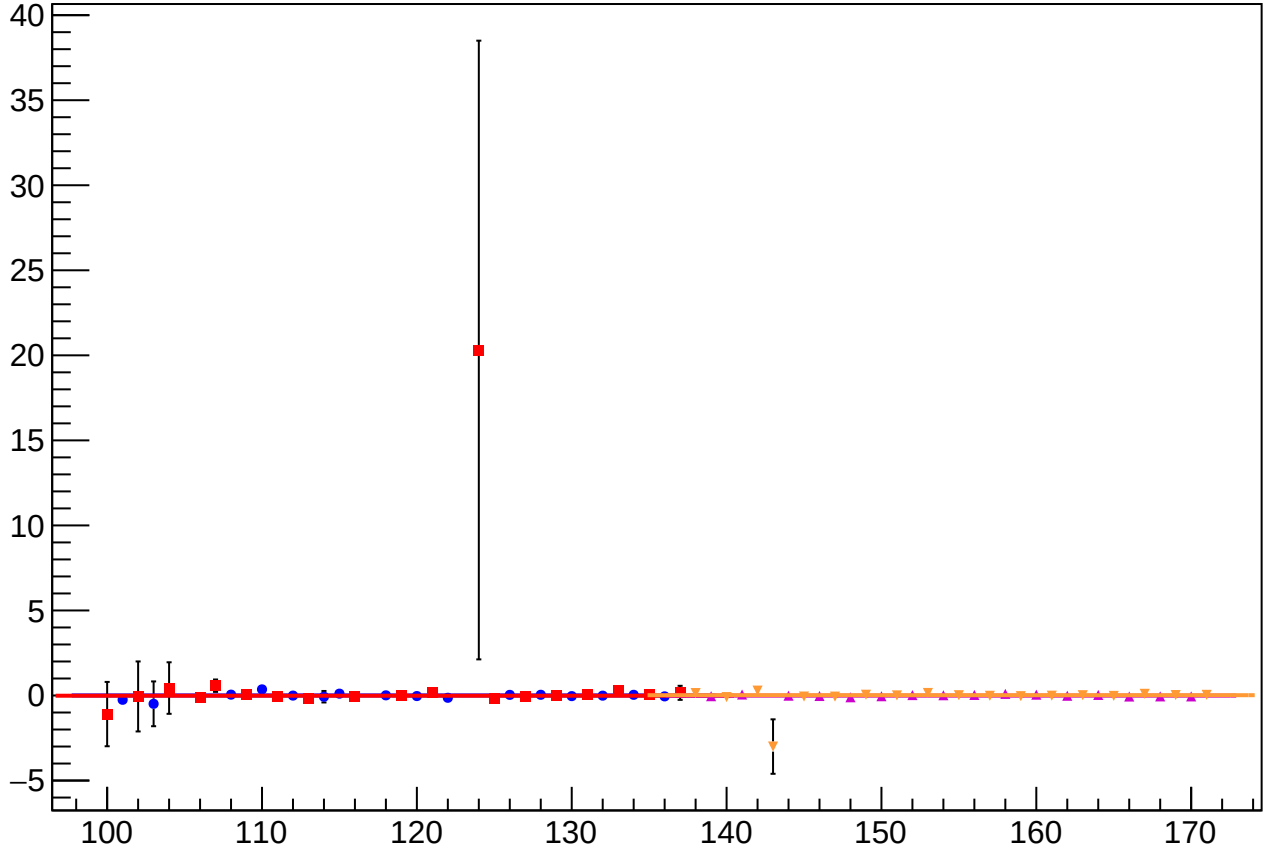
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.525+/-0.009 χ^2/NDF:4674825.9/31

Out: 47.917+/-0.009 χ^2/NDF:6666092.8/36

All: 48.218+/-0.006 χ^2/NDF: 11343306.4/68

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:14.4/15

Left: 0.005+/-0.010 χ^2/NDF: 40.6/33

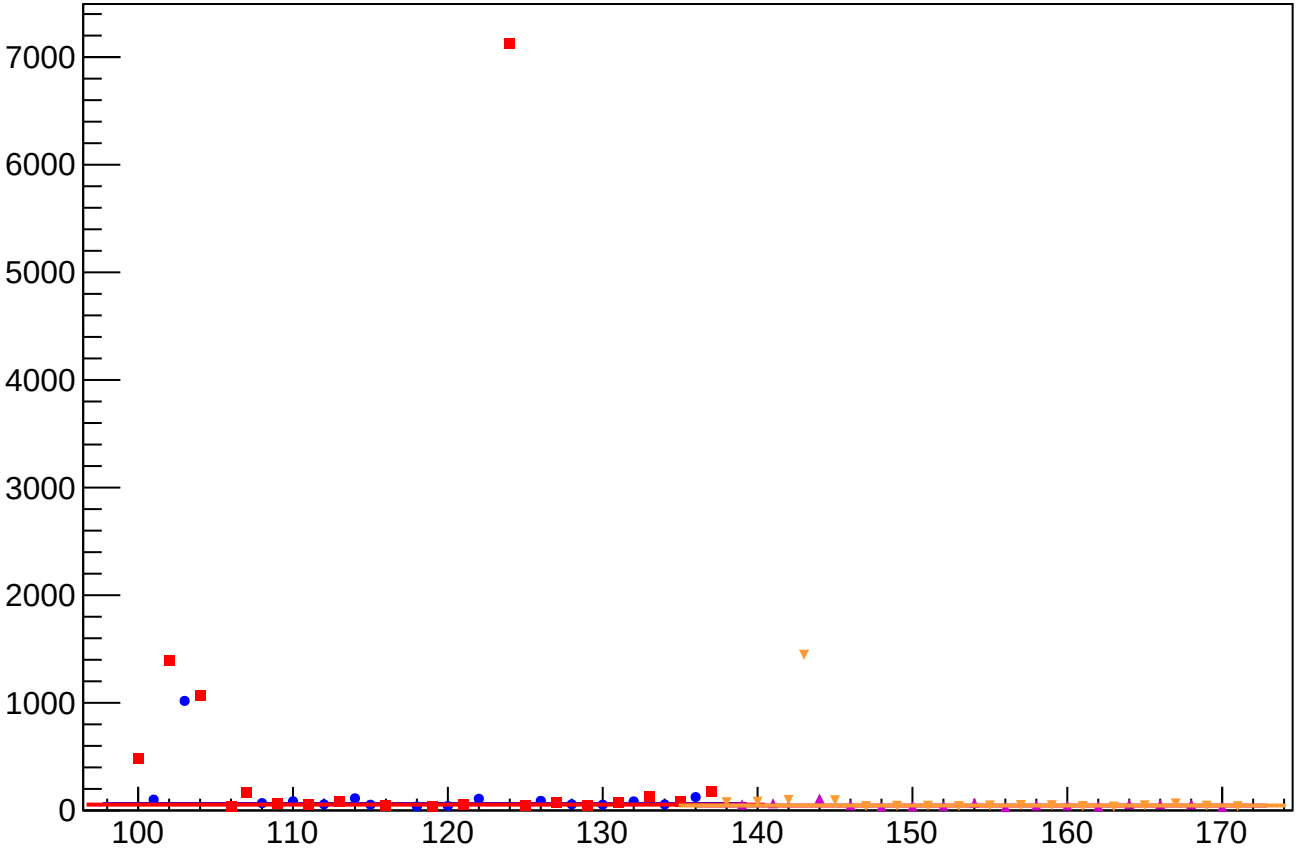
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.006+/-0.013 χ^2/NDF:26.0/31

Out: 0.011+/-0.012 χ^2/NDF:43.2/36

All: 0.003+/-0.009 χ^2/NDF: 70.0/68

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: 45.347+/-0.010 χ^2/NDF:1676531.0/15

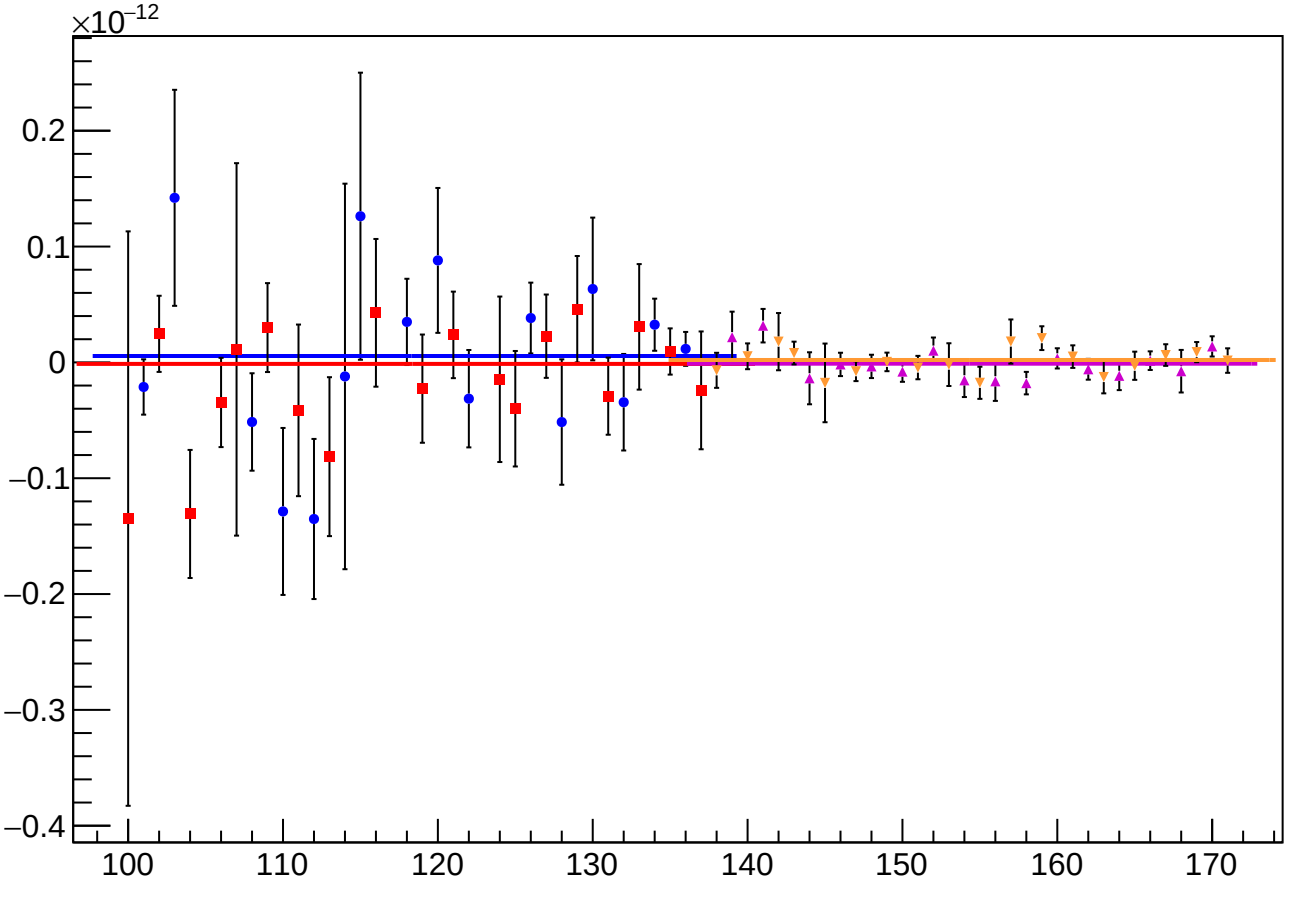
Left: 45.689+/-0.007 χ^2/NDF: 4667085.2/33

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.525+/-0.009 χ^2/NDF:4674825.9/31

Out: 47.917+/-0.009 χ^2/NDF:6666092.8/36

All: 48.218+/-0.006 χ^2/NDF: 11343306.4/68



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:17.4/15

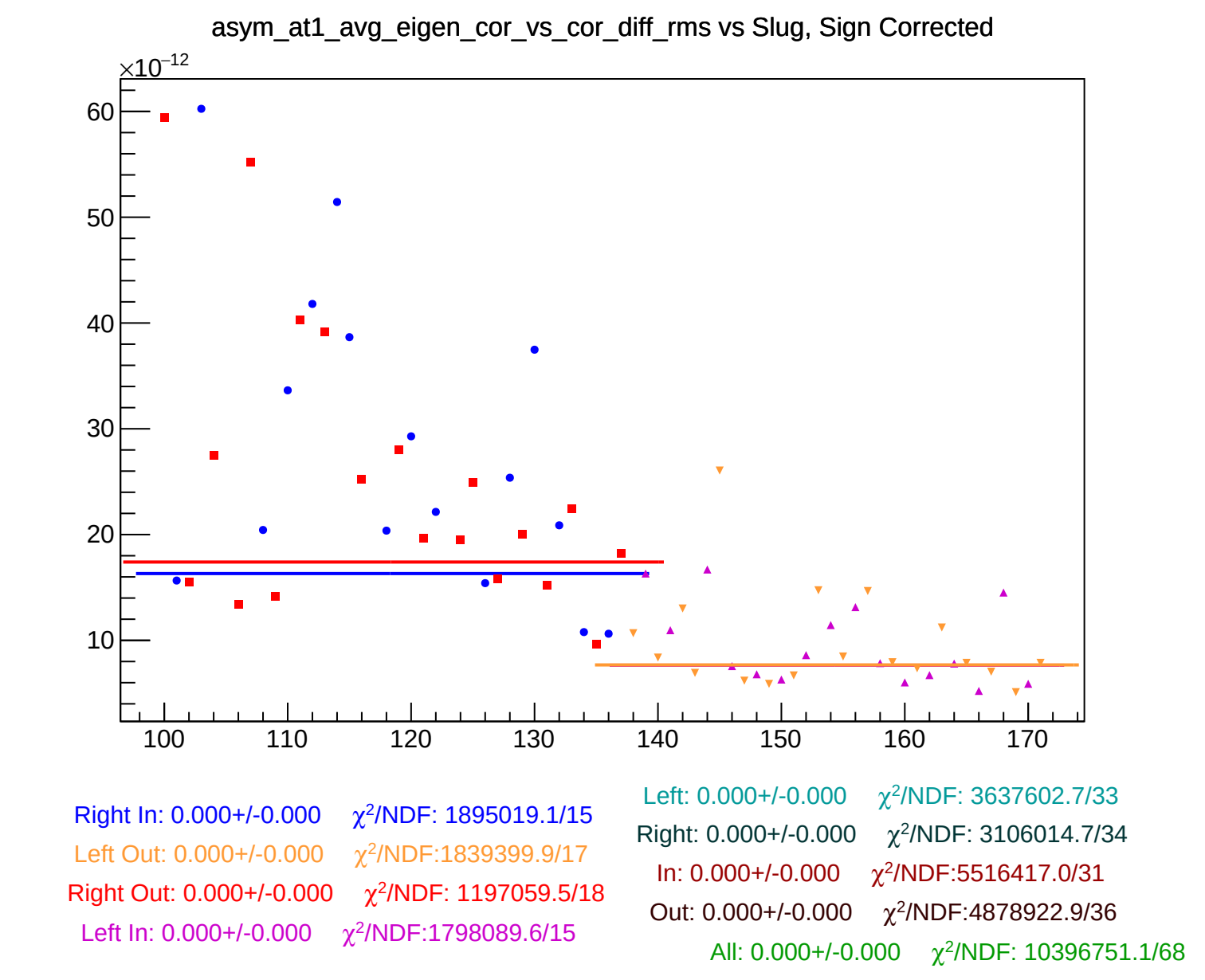
Left: 0.000+/-0.000 χ^2/NDF: 29.7/33

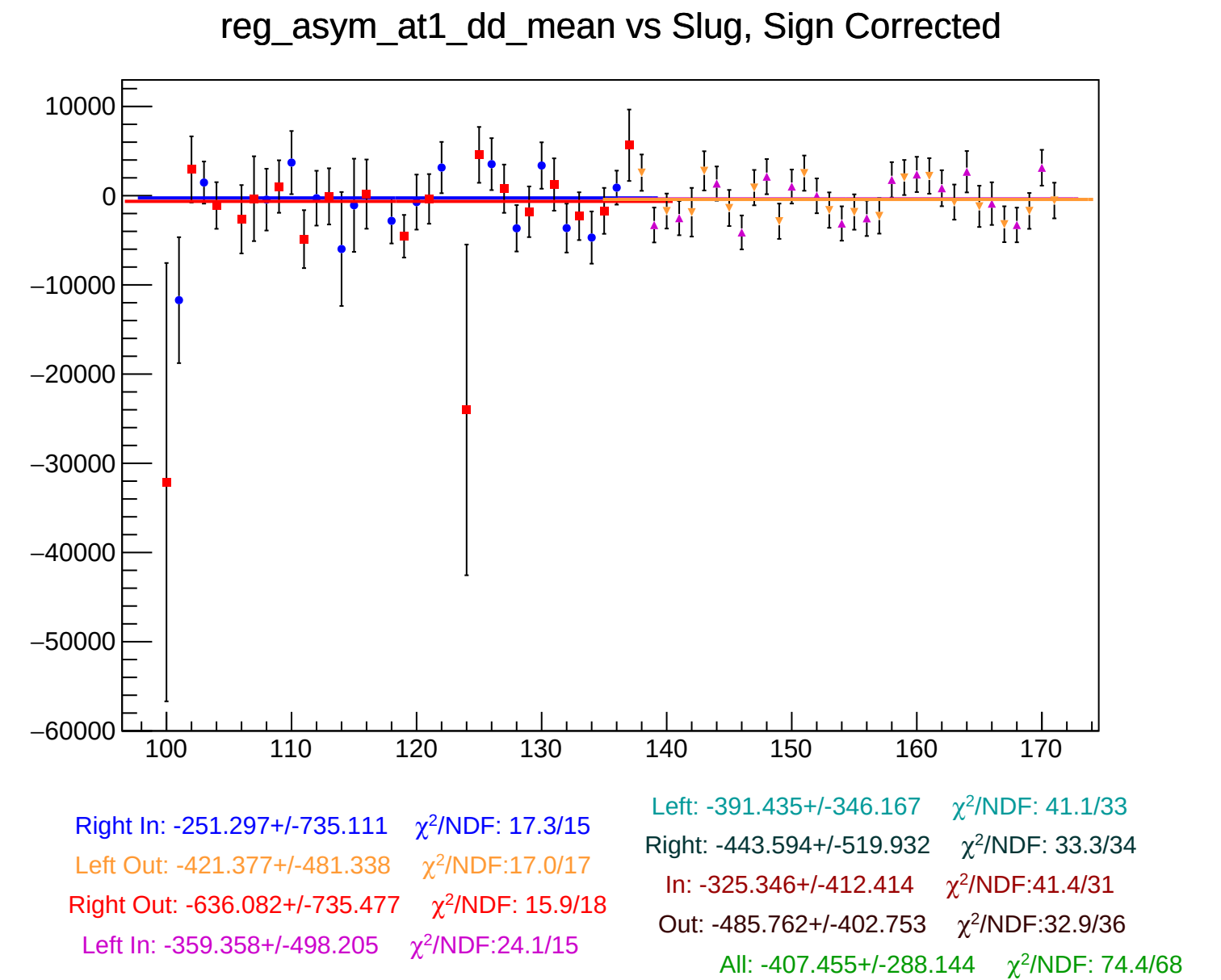
Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

In: -0.000+/-0.000 χ^2/NDF:40.5/31

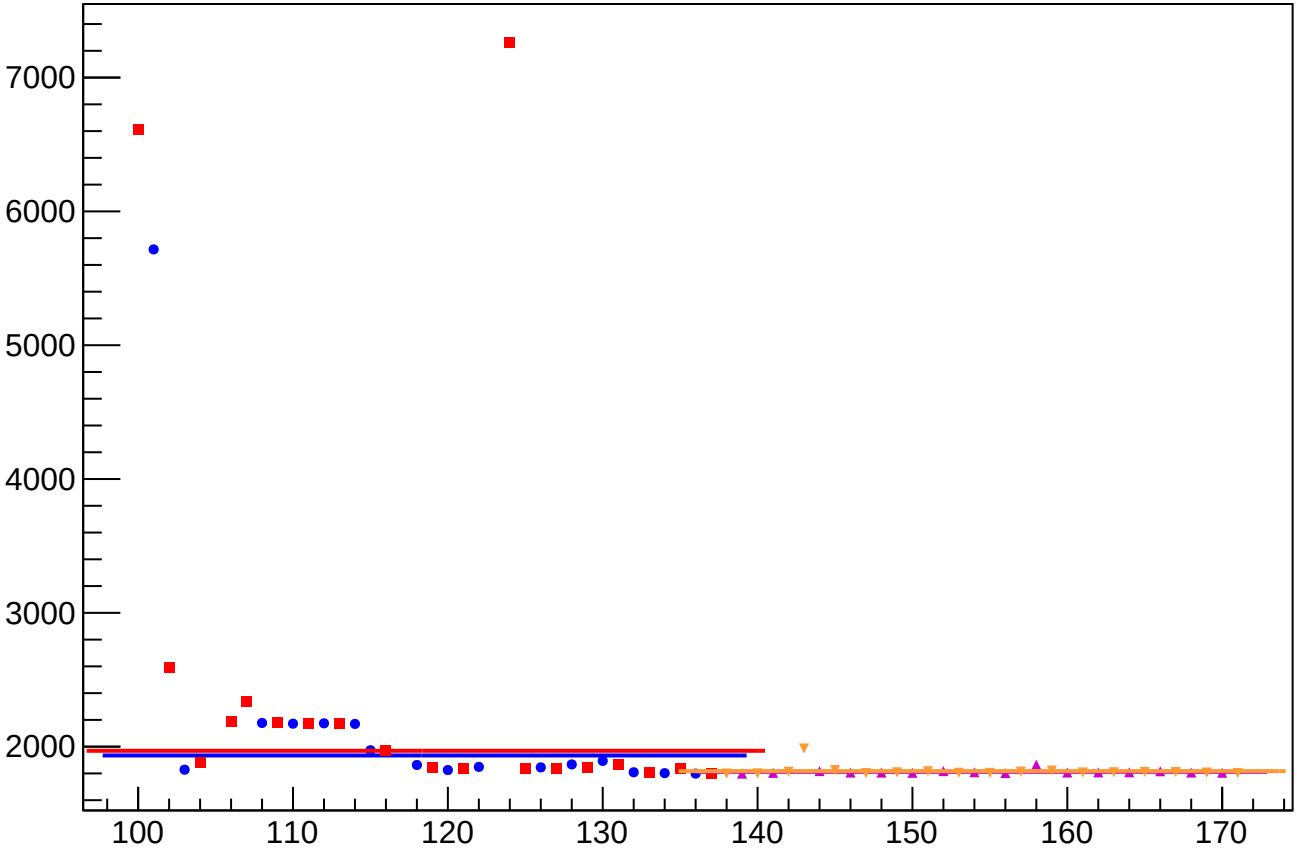
Out: 0.000+/-0.000 χ^2/NDF:26.0/36

All: 0.000+/-0.000 χ^2/NDF: 67.0/68


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1839399.9/17
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:1798089.6/15
Left: 0.000+/-0.000 χ²/NDF: 3637602.7/33
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:5516417.0/31
Out: 0.000+/-0.000 χ²/NDF:4878922.9/36
All: 0.000+/-0.000 χ²/NDF: 10396751.1/68


reg_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
Right In: -251.297+/-735.111 χ²/NDF: 17.3/15
Left Out: -421.377+/-481.338 χ²/NDF:17.0/17
Right Out: -636.082+/-735.477 χ²/NDF: 15.9/18
Left In: -359.358+/-498.205 χ²/NDF:24.1/15
Left: -391.435+/-346.167 χ²/NDF: 41.1/33
Right: -443.594+/-519.932 χ²/NDF: 33.3/34
In: -325.346+/-412.414 χ²/NDF:41.4/31
Out: -485.762+/-402.753 χ²/NDF:32.9/36
All: -407.455+/-288.144 χ²/NDF: 74.4/68

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: 1811.539+/-0.352 χ^2/NDF:1770.8/15

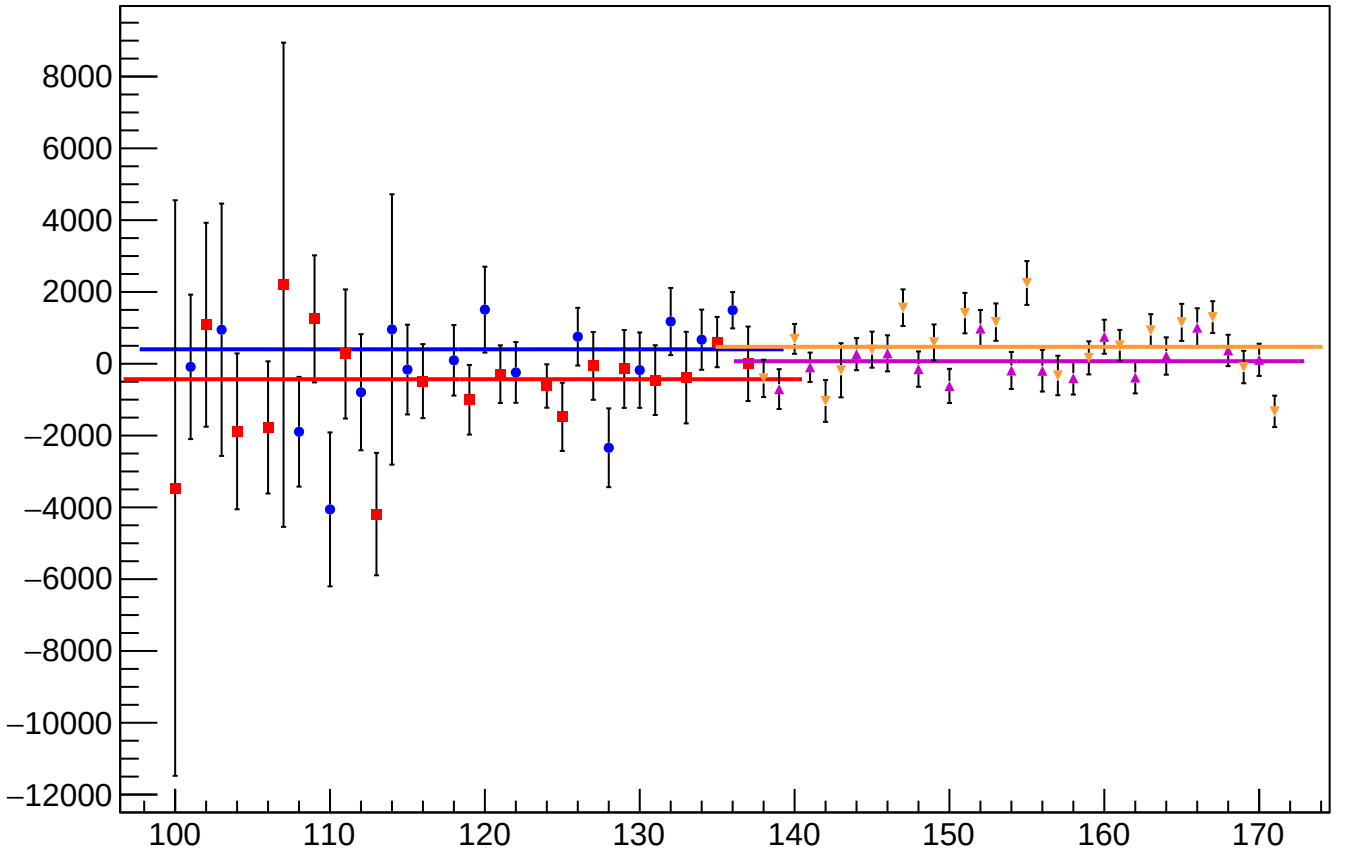
Left: 1814.510+/-0.245 χ^2/NDF: 14643.1/33

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1850.151+/-0.292 χ^2/NDF:679859.5/31

Out: 1862.840+/-0.285 χ^2/NDF:450859.3/36

All: 1856.646+/-0.204 χ^2/NDF: 1131687.9/68



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: 71.038+/-120.559 χ^2/NDF:16.1/15

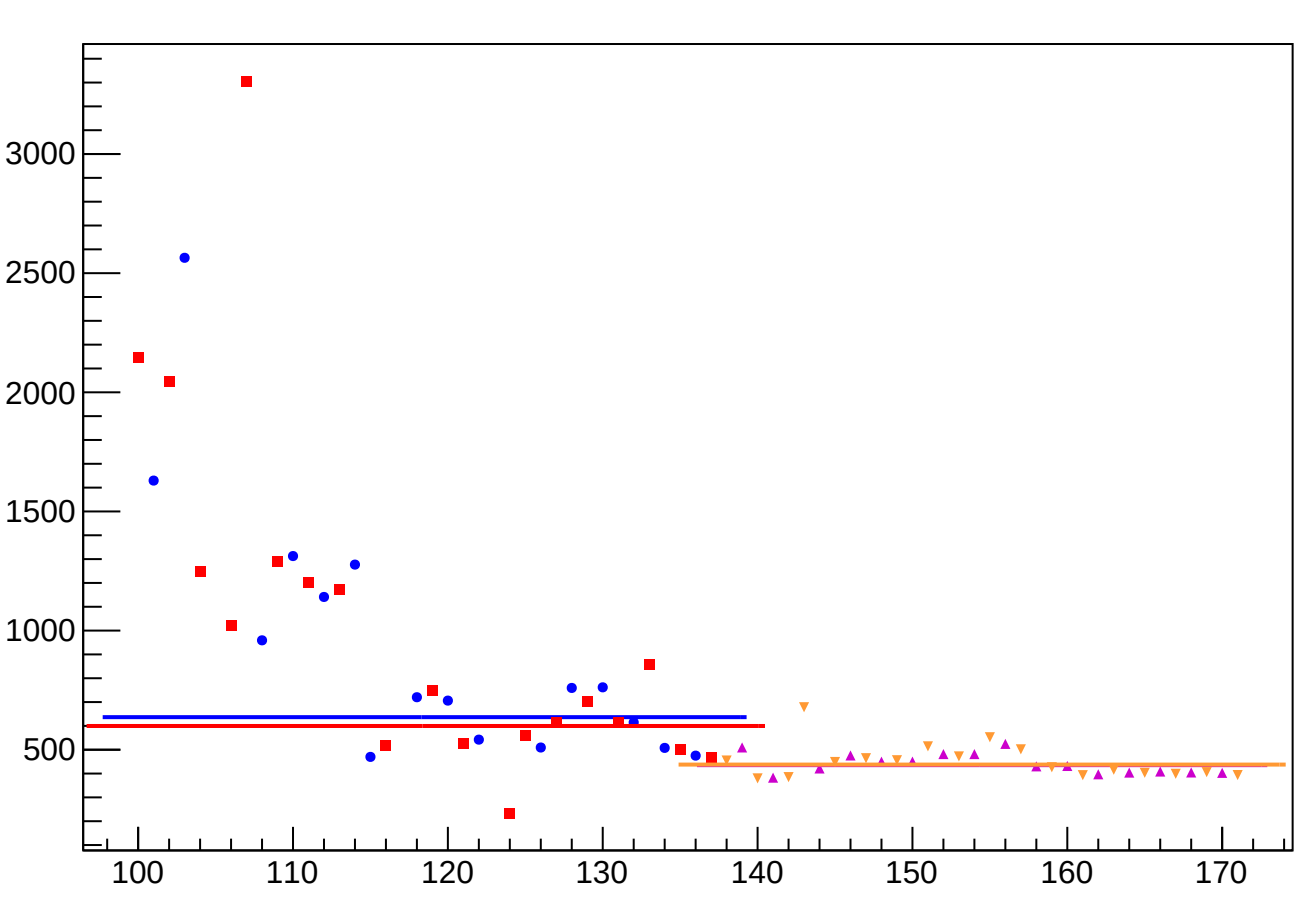
Left: 276.767+/-84.109 χ^2/NDF: 77.1/33

Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 130.248+/-109.266 χ^2/NDF:38.6/31

Out: 311.875+/-106.481 χ^2/NDF:77.6/36

All: 223.406+/-76.259 χ^2/NDF: 117.6/68



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: 435.231+/-0.085 χ^2/NDF:214789.9/15

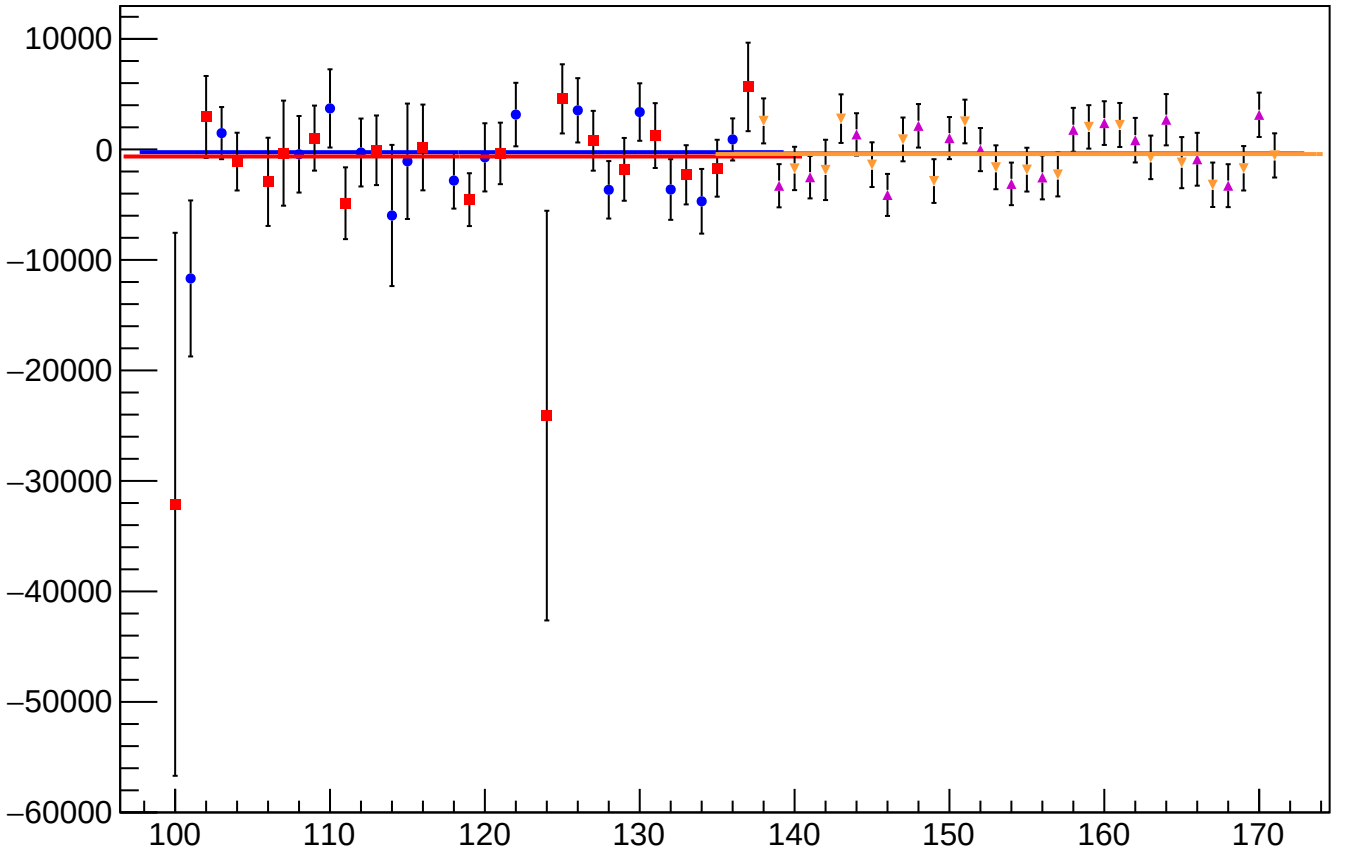
Left: 436.466+/-0.059 χ^2/NDF: 709064.9/33

Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 471.206+/-0.077 χ^2/NDF:3279037.9/31

Out: 466.372+/-0.075 χ^2/NDF:4113415.8/36

All: 468.727+/-0.054 χ^2/NDF: 7394461.8/68



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: -359.366+/-498.205 χ^2/NDF:24.1/15

Left: -391.444+/-346.167 χ^2/NDF: 41.1/33

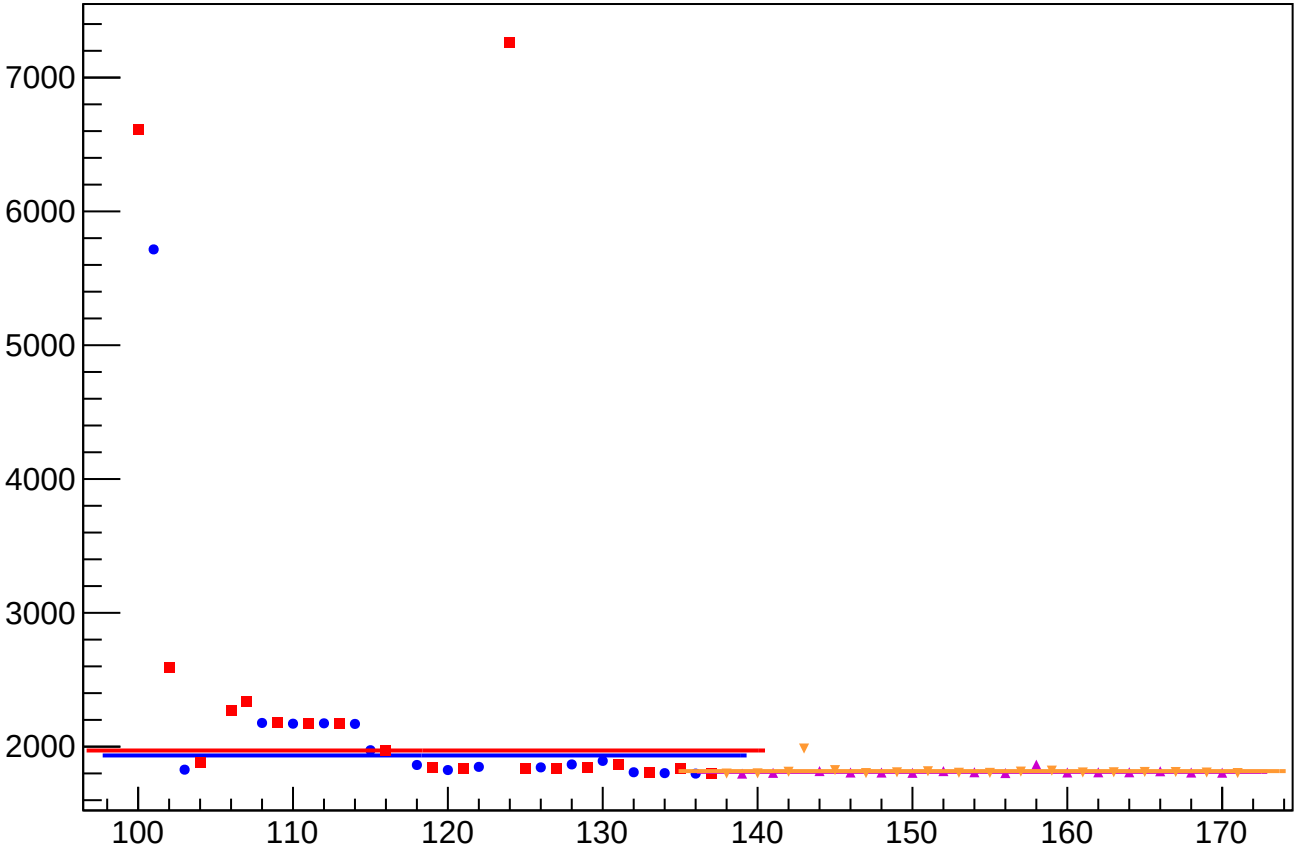
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -325.097+/-412.414 χ^2/NDF:41.4/31

Out: -487.068+/-402.929 χ^2/NDF:33.0/36

All: -407.967+/-288.209 χ^2/NDF: 74.4/68

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: 1811.539+/-0.352 χ^2/NDF:1770.8/15

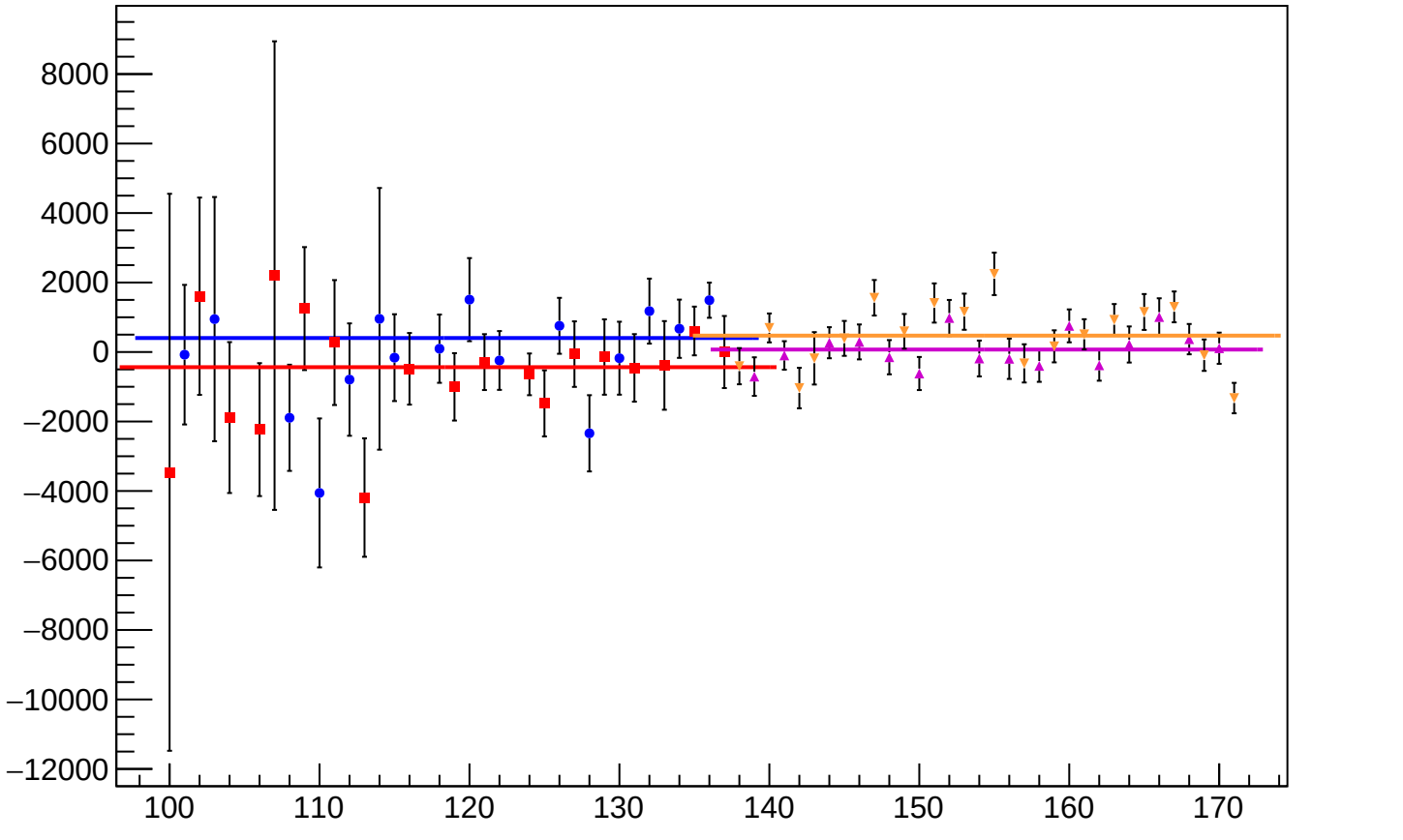
Left: 1814.510+/-0.245 χ^2/NDF: 14643.1/33

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1850.151+/-0.292 χ^2/NDF:679859.4/31

Out: 1863.392+/-0.285 χ^2/NDF:457237.1/36

All: 1856.925+/-0.204 χ^2/NDF: 1138151.2/68



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 471.837+/-117.401 χ^2/NDF:55.4/17

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 71.059+/-120.558 χ^2/NDF:16.1/15

Left: 276.763+/-84.109 χ^2/NDF: 77.1/33

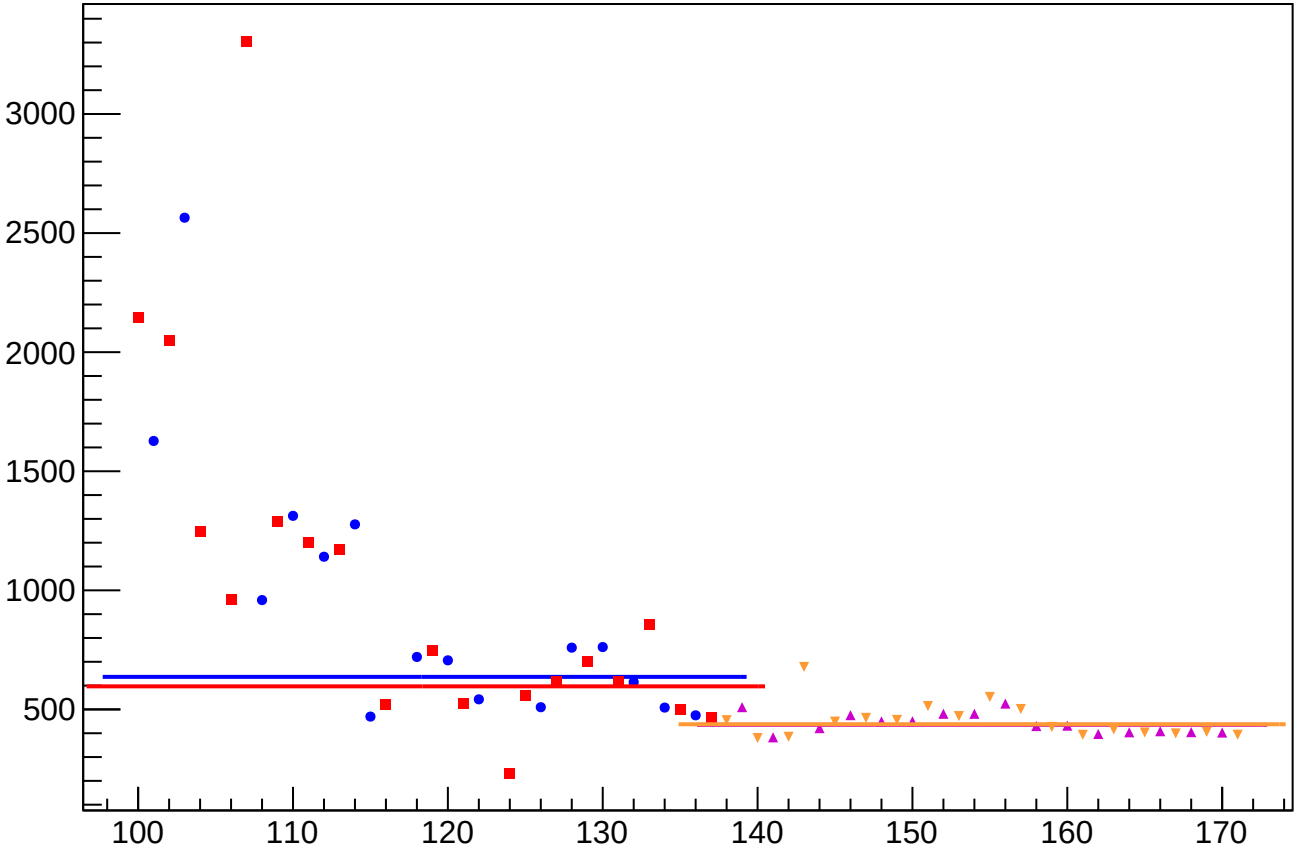
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.283+/-109.264 χ^2/NDF:38.6/31

Out: 310.522+/-106.470 χ^2/NDF:78.4/36

All: 222.737+/-76.254 χ^2/NDF: 118.3/68

asym_at1_dd_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: 435.227+/-0.085 χ^2/NDF:214790.2/15

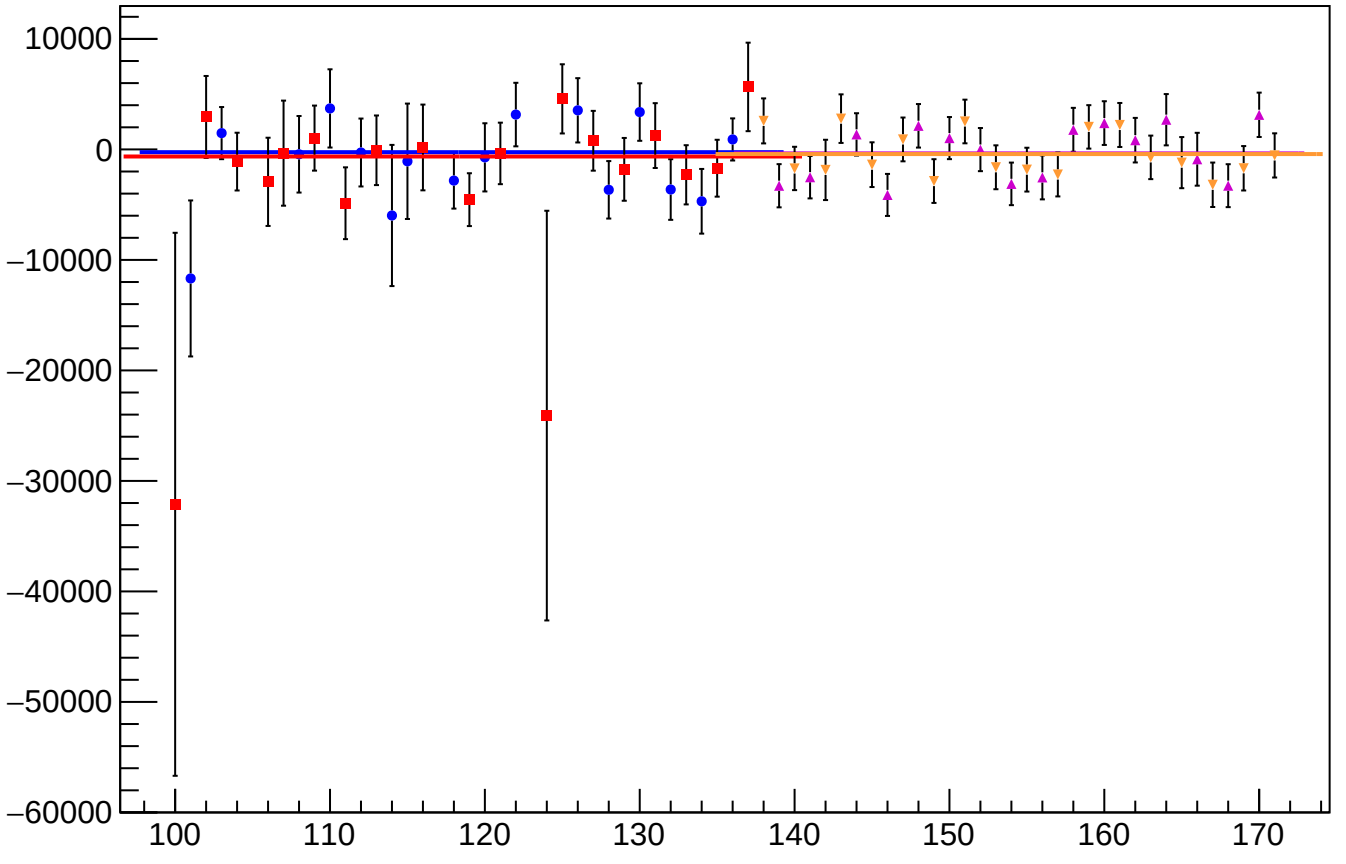
Left: 436.464+/-0.059 χ^2/NDF: 709040.4/33

Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 471.205+/-0.077 χ^2/NDF:3278257.4/31

Out: 465.909+/-0.075 χ^2/NDF:4077475.8/36

All: 468.488+/-0.054 χ^2/NDF: 7358143.5/68



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: -359.366+/-498.205 χ^2/NDF:24.1/15

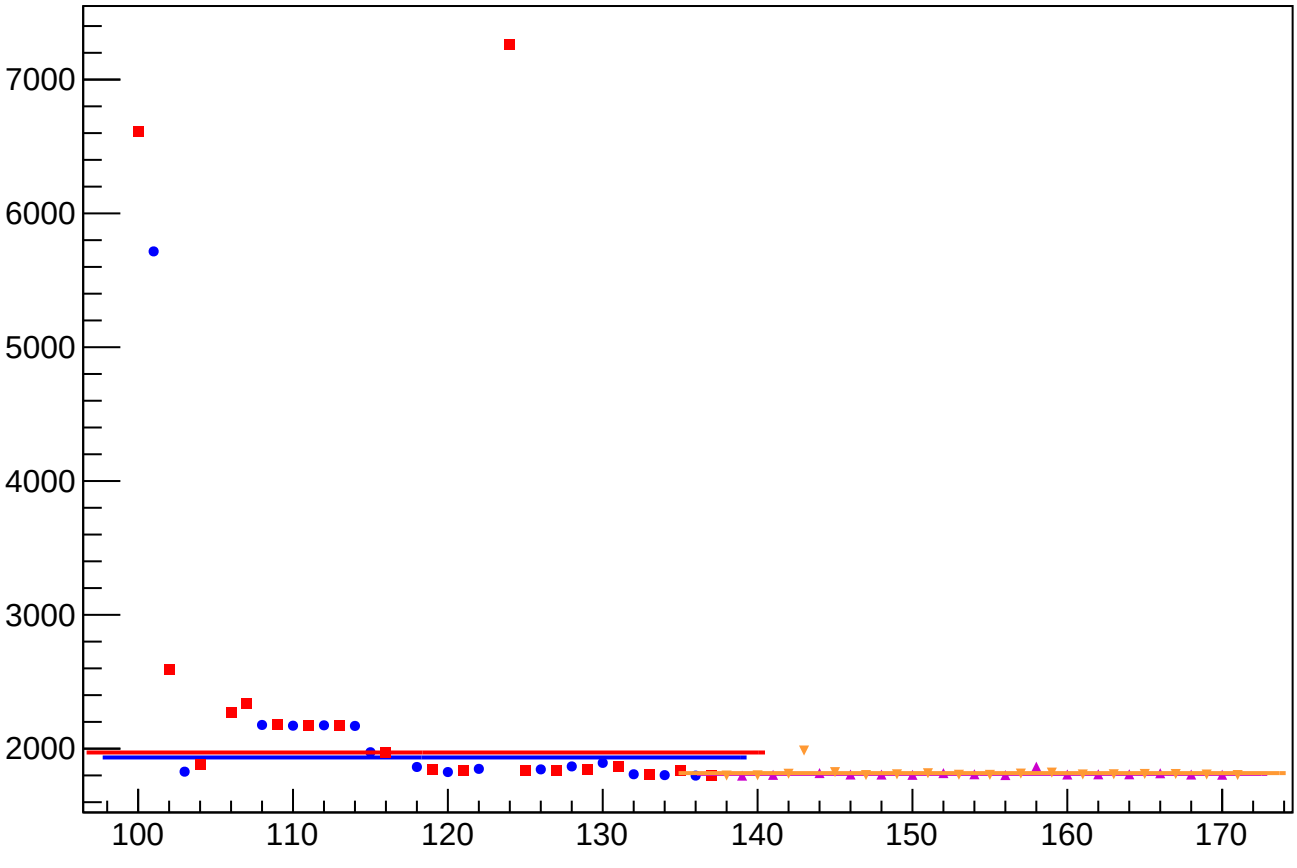
Left: -391.444+/-346.167 χ^2/NDF: 41.1/33

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -325.097+/-412.414 χ^2/NDF:41.4/31

Out: -487.068+/-402.929 χ^2/NDF:33.0/36

All: -407.967+/-288.209 χ^2/NDF: 74.4/68



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: 1811.539+/-0.352 χ^2/NDF:1770.8/15

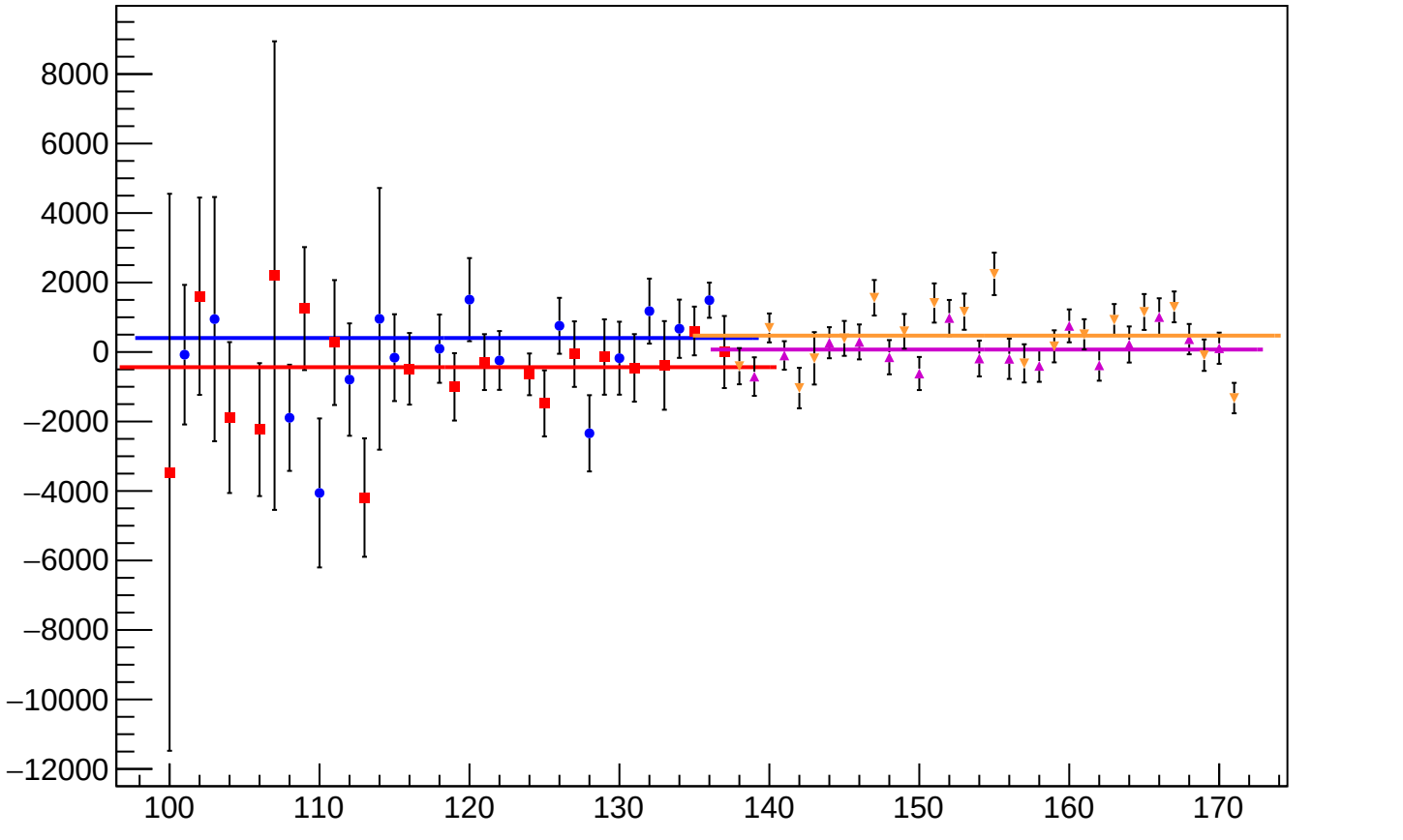
Left: 1814.510+/-0.245 χ^2/NDF: 14643.1/33

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1850.151+/-0.292 χ^2/NDF:679859.4/31

Out: 1863.392+/-0.285 χ^2/NDF:457237.1/36

All: 1856.925+/-0.204 χ^2/NDF: 1138151.2/68



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 471.837+/-117.401 χ^2/NDF:55.4/17

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: 71.059+/-120.558 χ^2/NDF:16.1/15

Left: 276.763+/-84.109 χ^2/NDF: 77.1/33

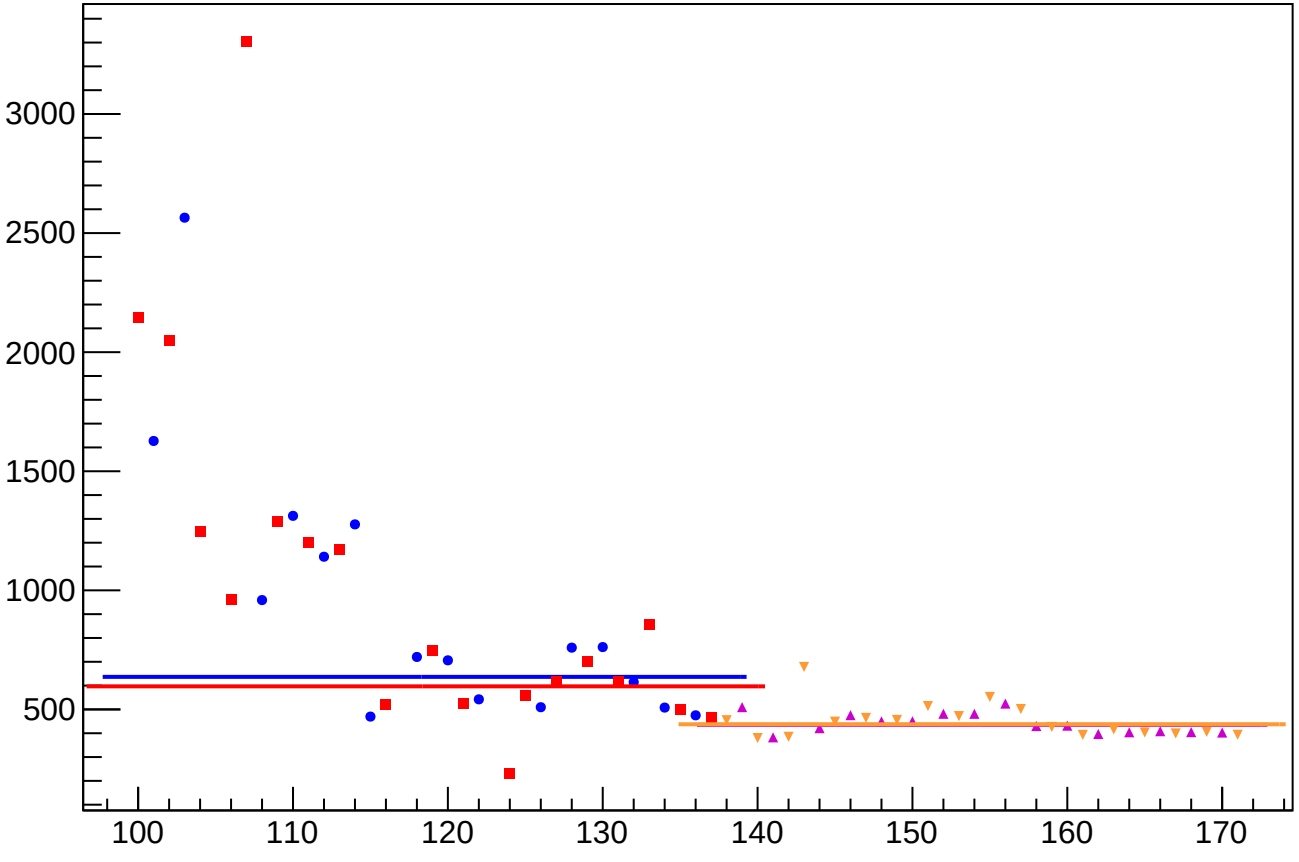
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 130.283+/-109.264 χ^2/NDF:38.6/31

Out: 310.522+/-106.470 χ^2/NDF:78.4/36

All: 222.737+/-76.254 χ^2/NDF: 118.3/68

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: 435.227+/-0.085 χ^2/NDF:214790.2/15

Left: 436.464+/-0.059 χ^2/NDF: 709040.4/33

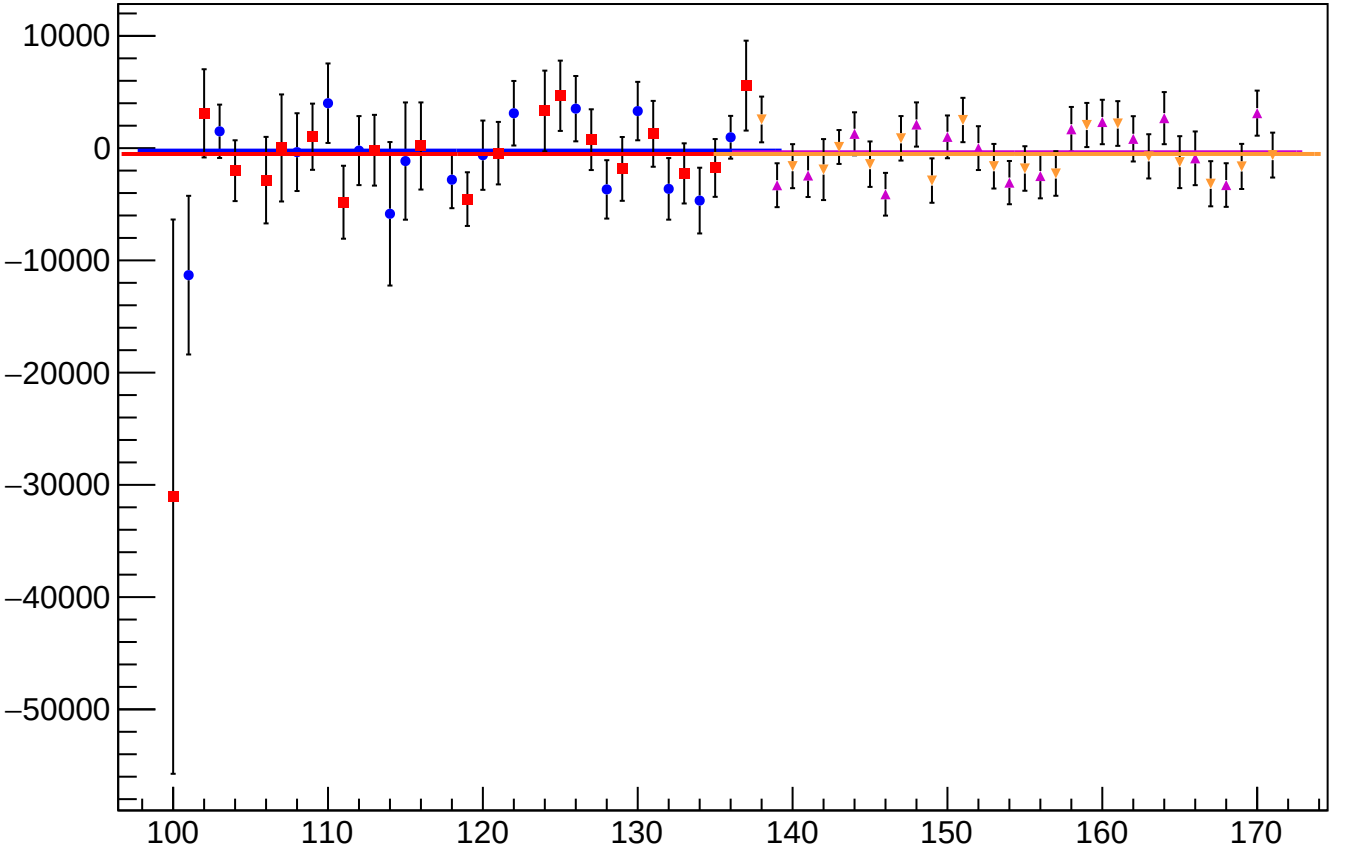
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 471.205+/-0.077 χ^2/NDF:3278257.4/31

Out: 465.909+/-0.075 χ^2/NDF:4077475.8/36

All: 468.488+/-0.054 χ^2/NDF: 7358143.5/68

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -518.478+/-468.993 χ^2/NDF:14.7/17

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -367.353+/-498.372 χ^2/NDF:23.6/15

Left: -447.501+/-341.542 χ^2/NDF: 38.3/33

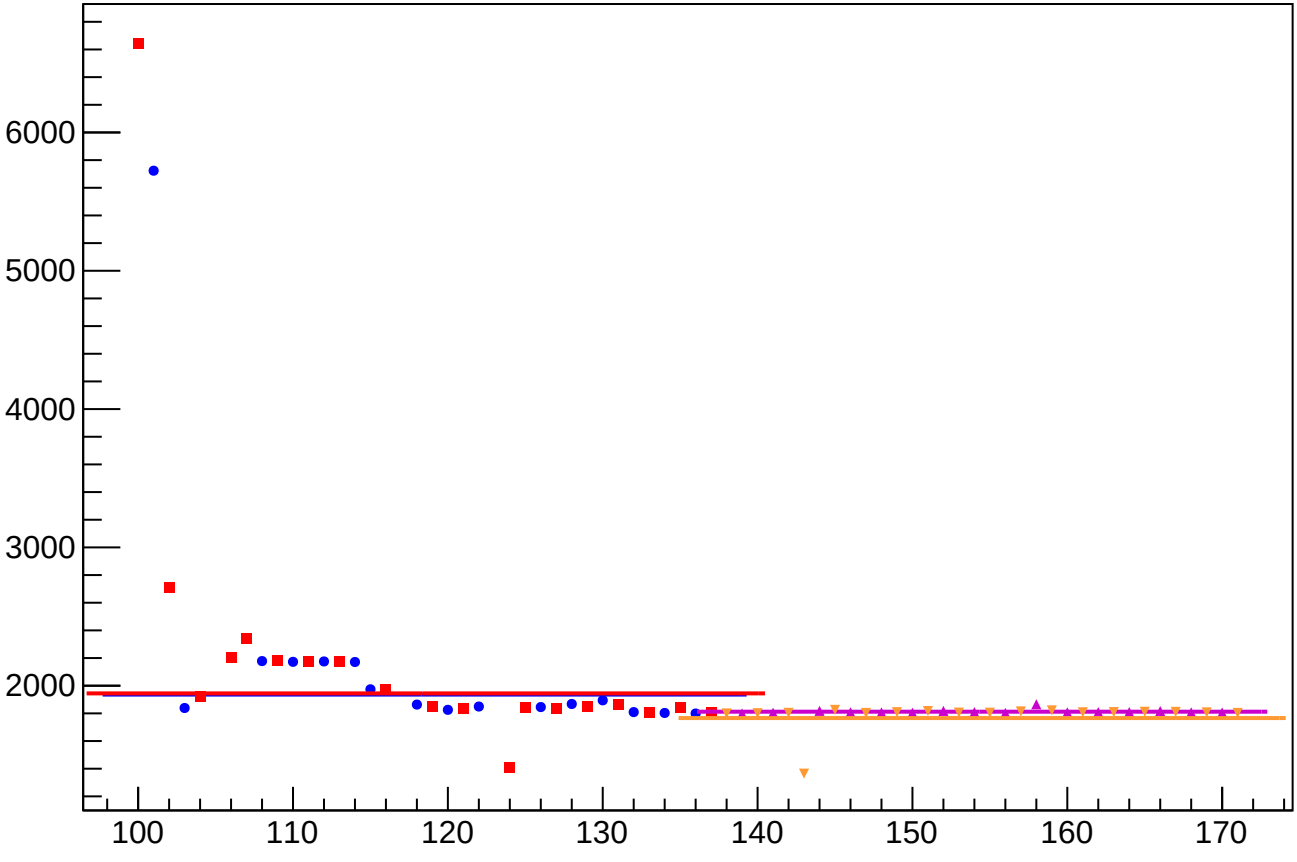
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.144+/-412.646 χ^2/NDF:40.7/31

Out: -519.005+/-393.780 χ^2/NDF:30.3/36

All: -424.701+/-284.881 χ^2/NDF: 71.2/68

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: 1812.148+/-0.352 χ^2/NDF:1766.3/15

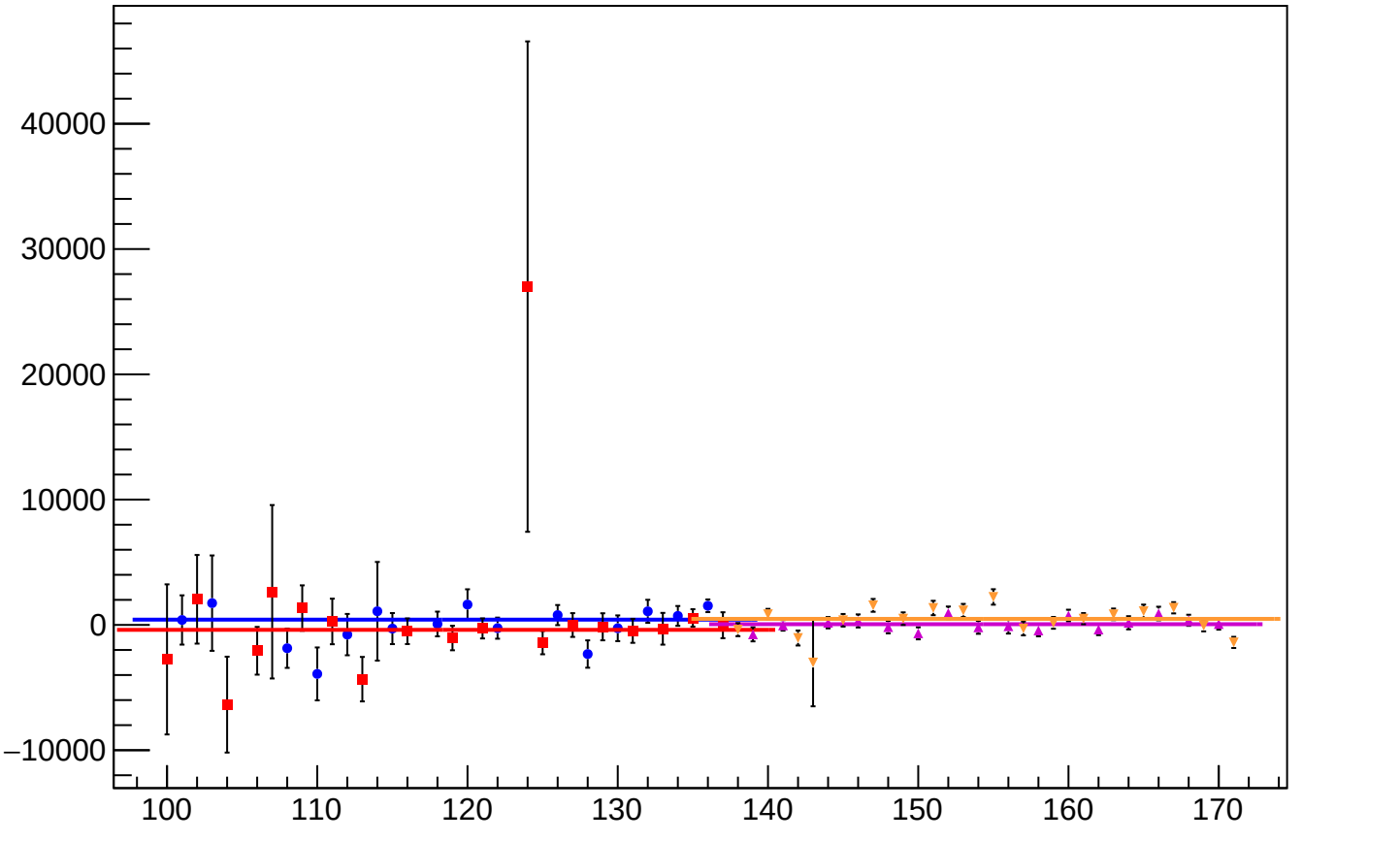
Left: 1787.751+/-0.242 χ^2/NDF: 168027.2/33

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1851.084+/-0.292 χ^2/NDF:680396.2/31

Out: 1818.763+/-0.278 χ^2/NDF:518776.0/36

All: 1834.168+/-0.201 χ^2/NDF: 1205594.1/68



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 483.111+/-120.492 χ^2/NDF:54.8/17

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: 56.667+/-122.304 χ^2/NDF:15.2/15

Left: 273.072+/-85.834 χ^2/NDF: 76.2/33

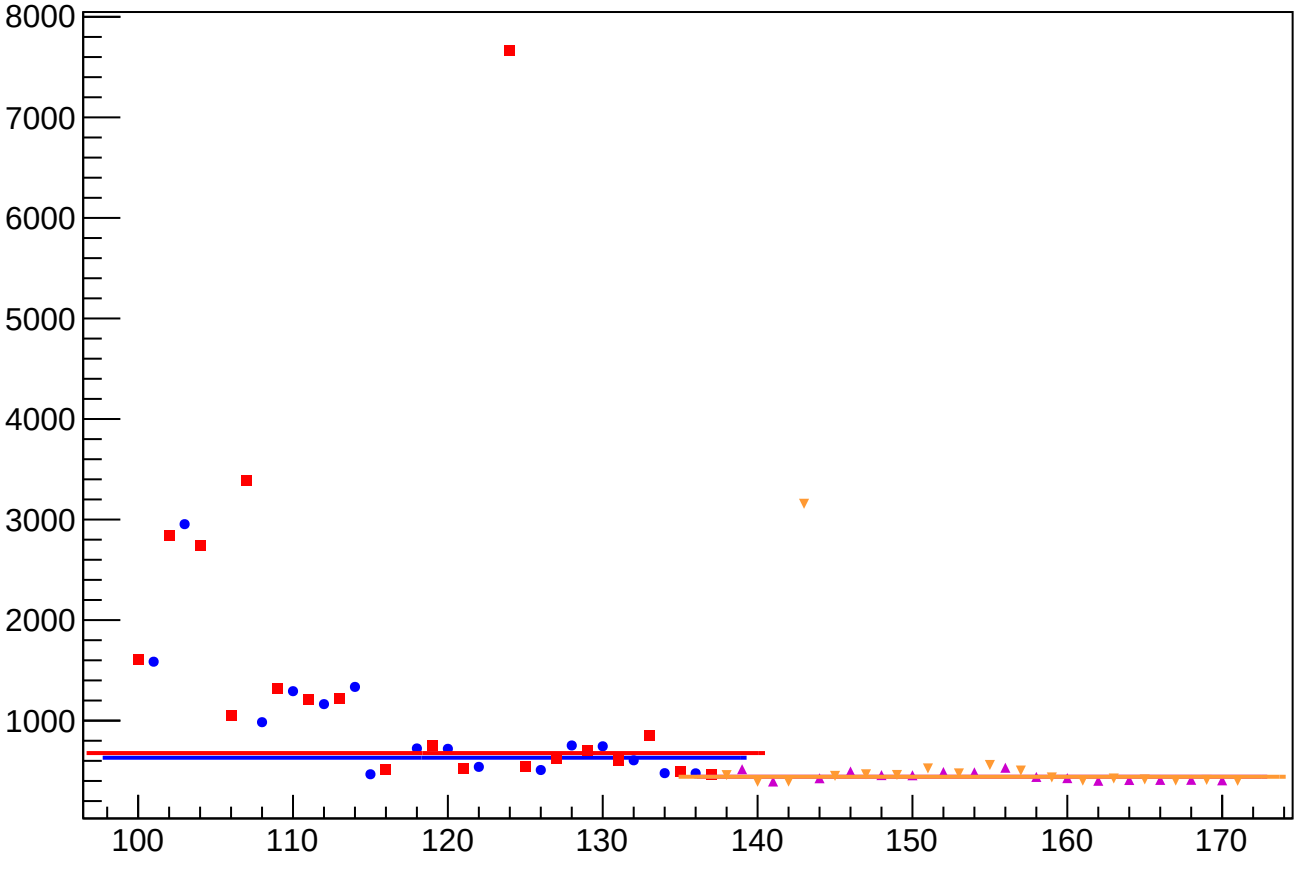
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 124.076+/-110.416 χ^2/NDF:38.4/31

Out: 345.767+/-110.652 χ^2/NDF:78.9/36

All: 234.685+/-78.159 χ^2/NDF: 119.3/68

asym_at1_dd_dit_correction_rms vs Slug, Sign Corrected



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: 441.960+/-0.086 χ^2/NDF:216531.4/15

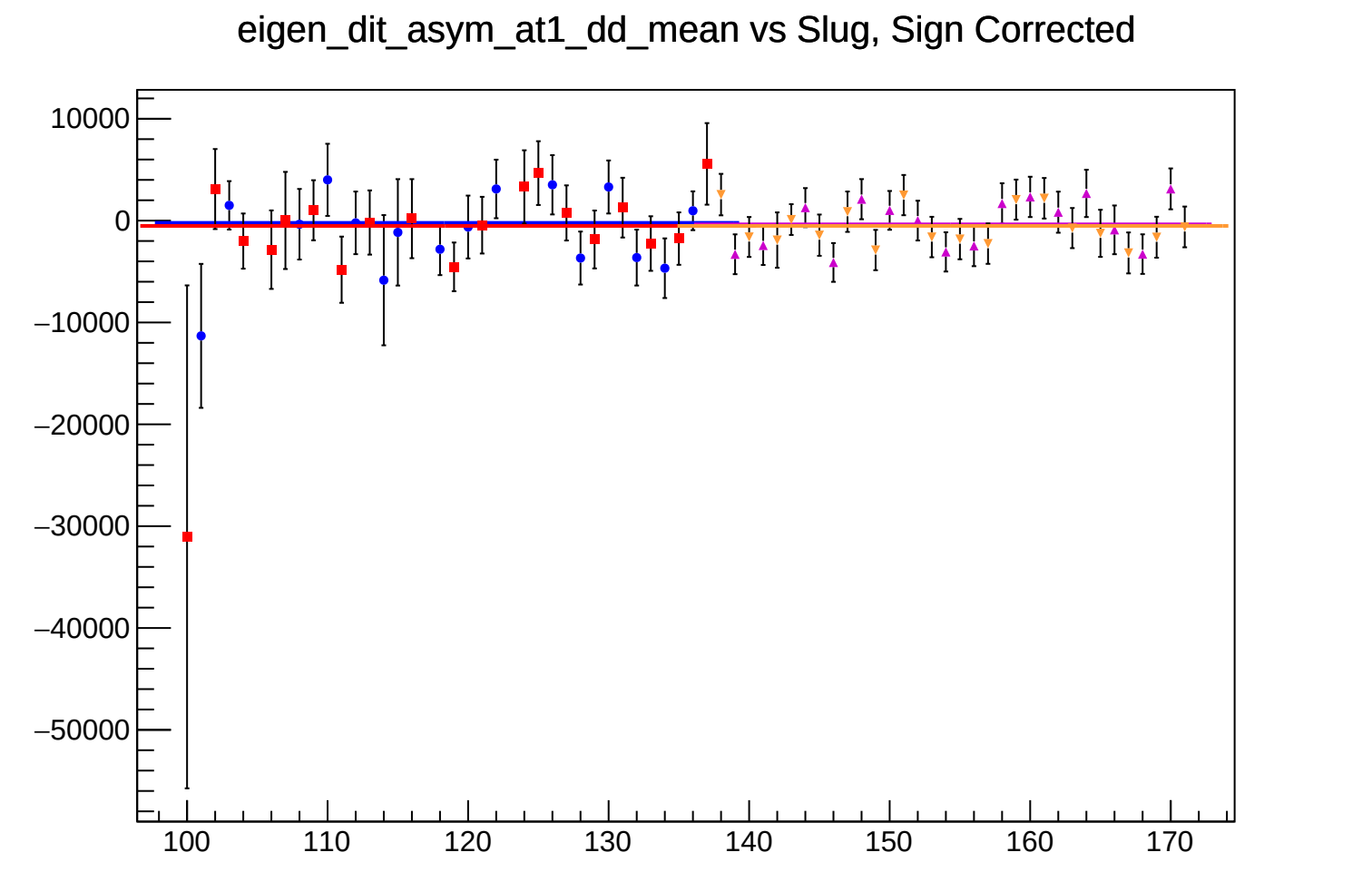
Left: 441.877+/-0.061 χ^2/NDF: 1683336.6/33

Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 476.949+/-0.078 χ^2/NDF:3336014.4/31

Out: 478.712+/-0.078 χ^2/NDF:5746707.7/36

All: 477.828+/-0.055 χ^2/NDF: 9082976.7/68



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: -367.353+/-498.372 χ^2/NDF:23.6/15

Left: -447.501+/-341.542 χ^2/NDF: 38.3/33

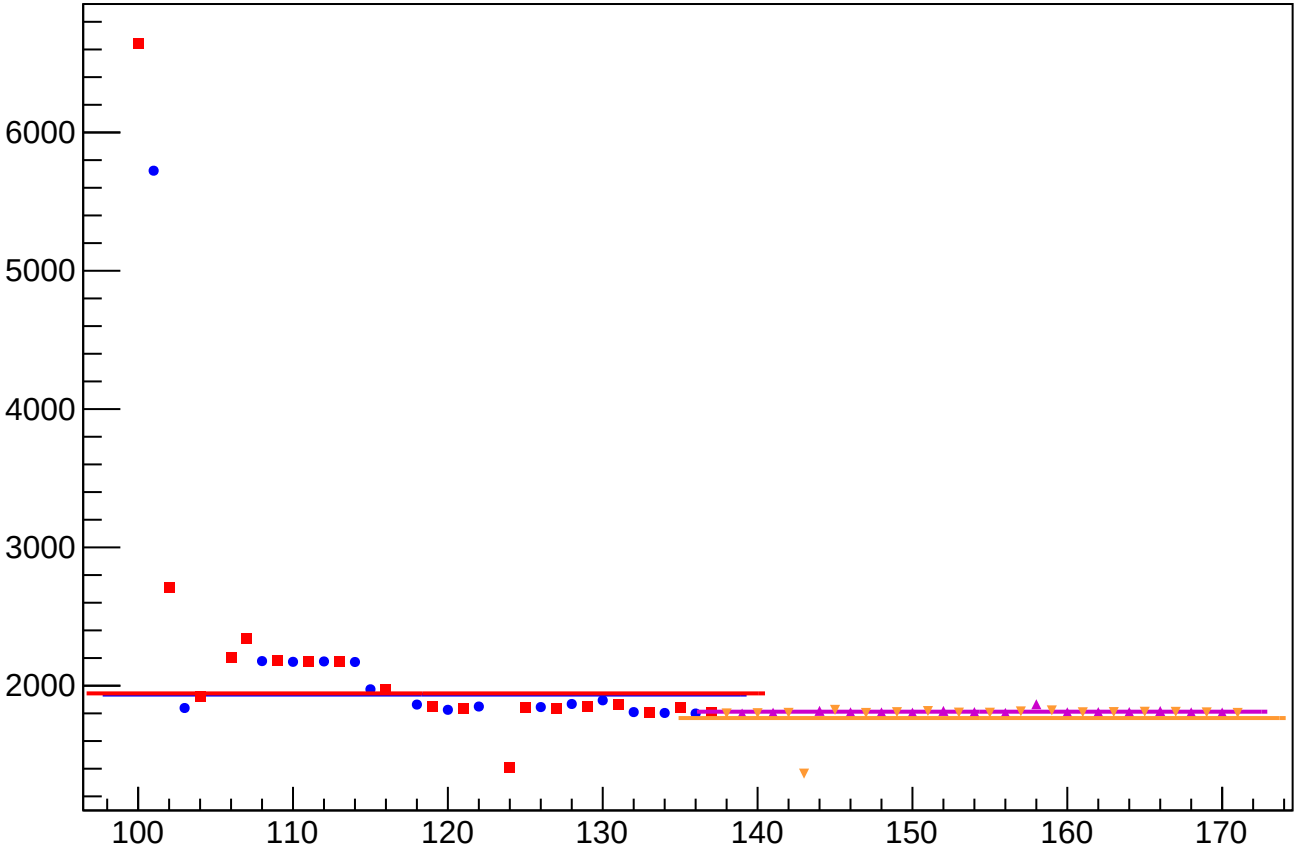
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -321.143+/-412.646 χ^2/NDF:40.7/31

Out: -519.006+/-393.780 χ^2/NDF:30.3/36

All: -424.701+/-284.881 χ^2/NDF: 71.2/68

eigen_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: 276223.5/18

Left In: 1812.148+/-0.352 χ^2/NDF:1766.3/15

Left: 1787.751+/-0.242 χ^2/NDF: 168027.2/33

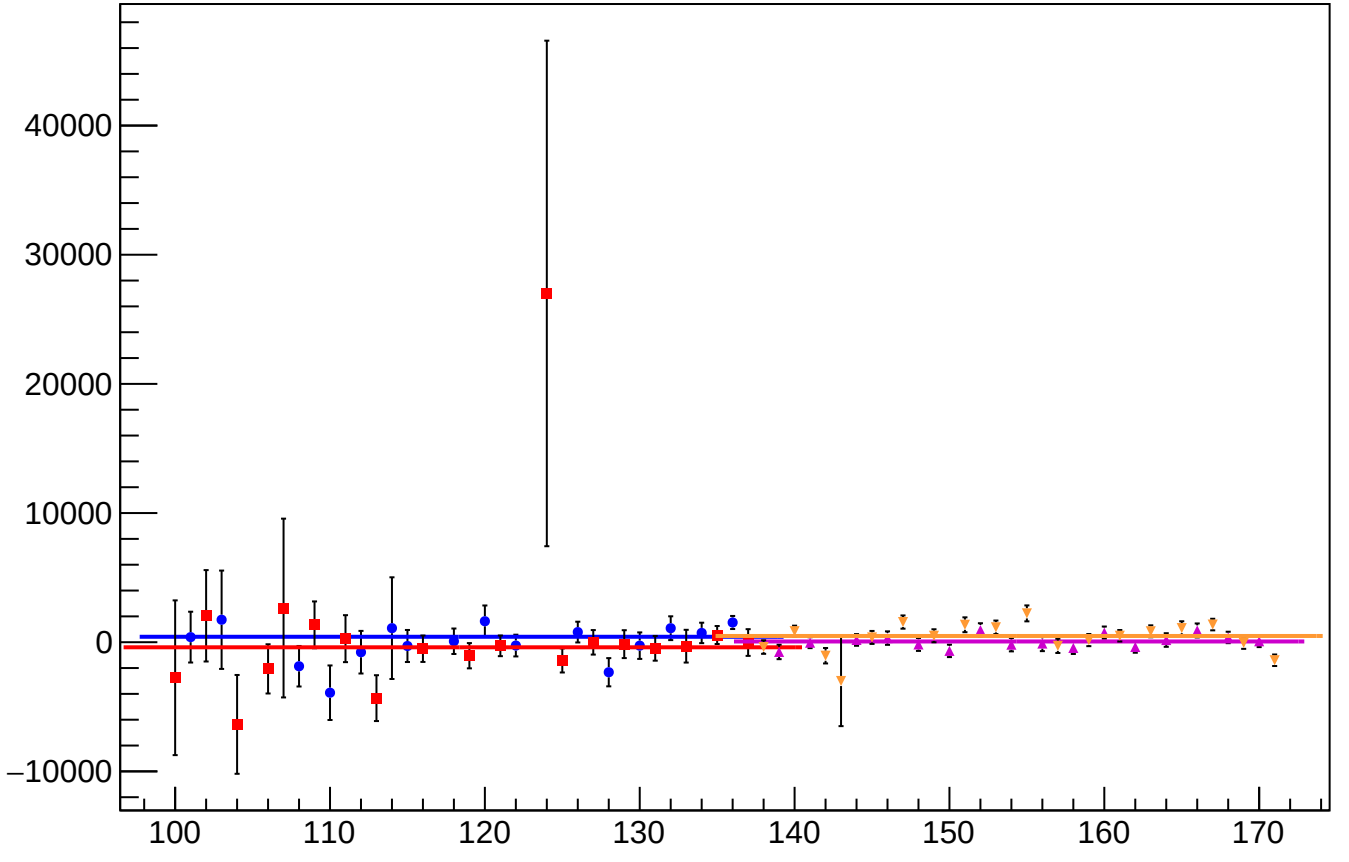
Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1851.084+/-0.292 χ^2/NDF:680396.2/31

Out: 1818.763+/-0.278 χ^2/NDF:518775.8/36

All: 1834.167+/-0.201 χ^2/NDF: 1205593.8/68

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: 56.668+/-122.304 χ^2/NDF:15.2/15

Left: 273.072+/-85.834 χ^2/NDF: 76.2/33

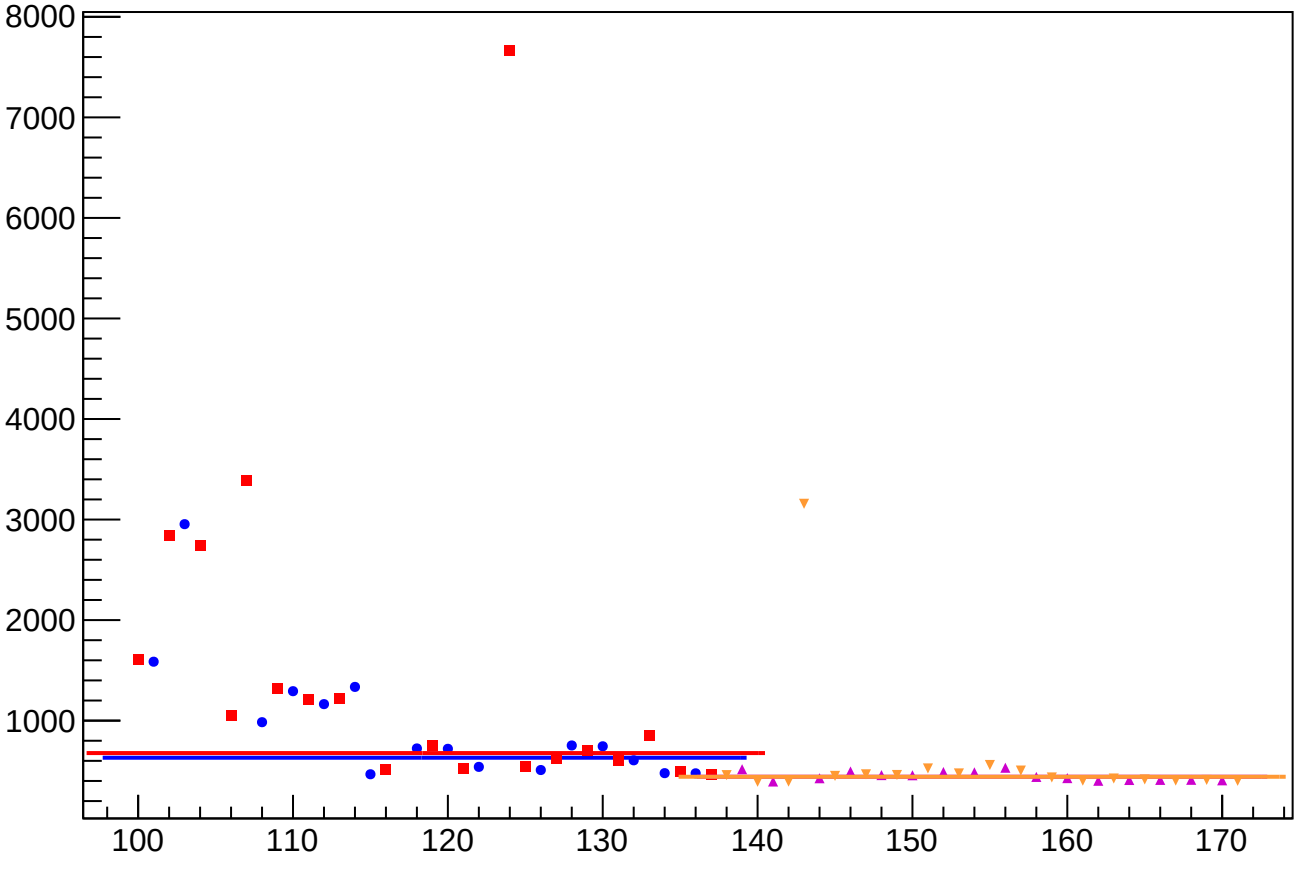
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 124.077+/-110.416 χ^2/NDF:38.4/31

Out: 345.766+/-110.652 χ^2/NDF:78.9/36

All: 234.685+/-78.159 χ^2/NDF: 119.3/68

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: 441.960+/-0.086 χ^2/NDF:216534.1/15

Left: 441.877+/-0.061 χ^2/NDF: 1683341.0/33

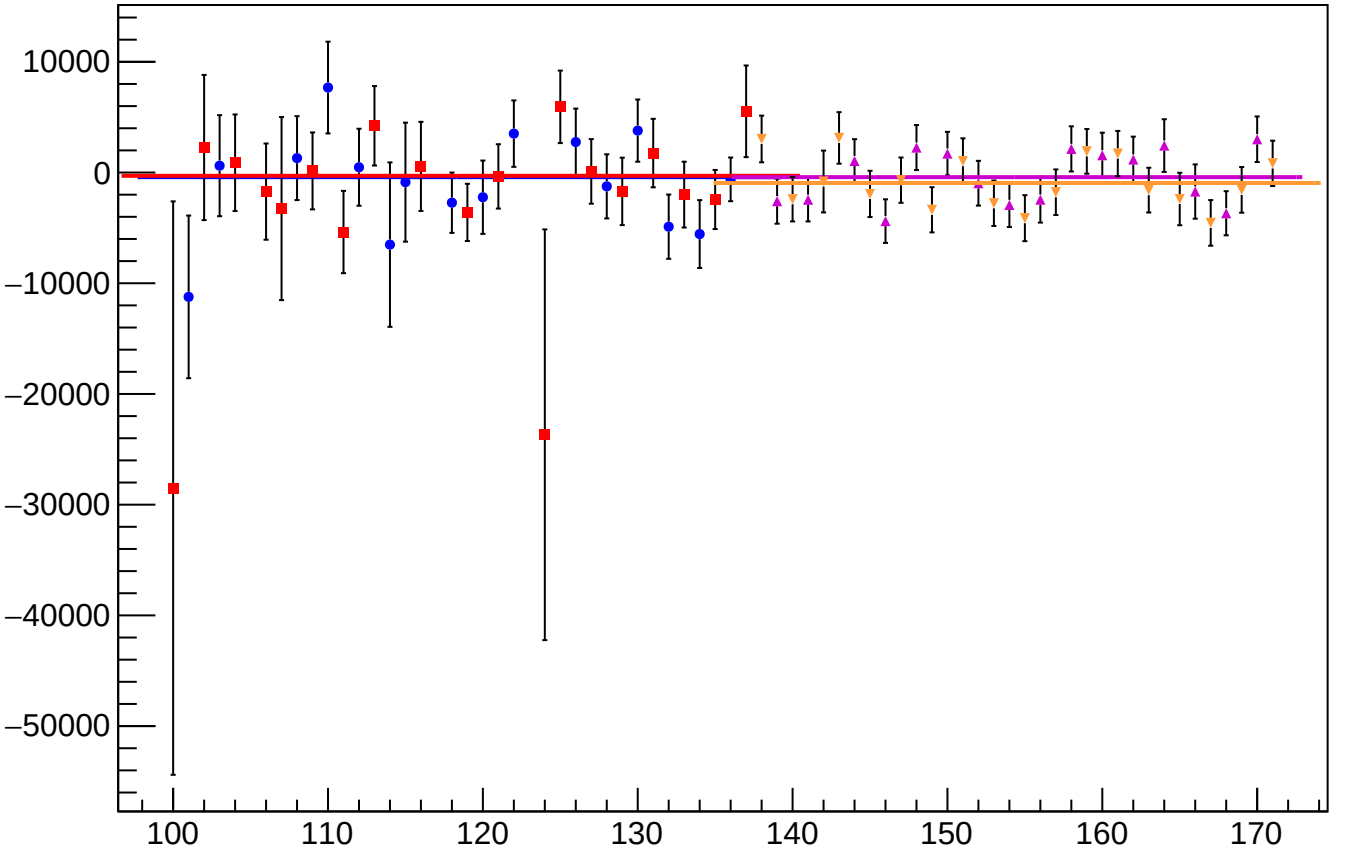
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 476.948+/-0.078 χ^2/NDF:3336016.6/31

Out: 478.712+/-0.078 χ^2/NDF:5746711.5/36

All: 477.828+/-0.055 χ^2/NDF: 9082982.5/68

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: -416.544+/-513.411 χ^2/NDF:22.6/15

Left: -688.605+/-357.026 χ^2/NDF: 44.3/33

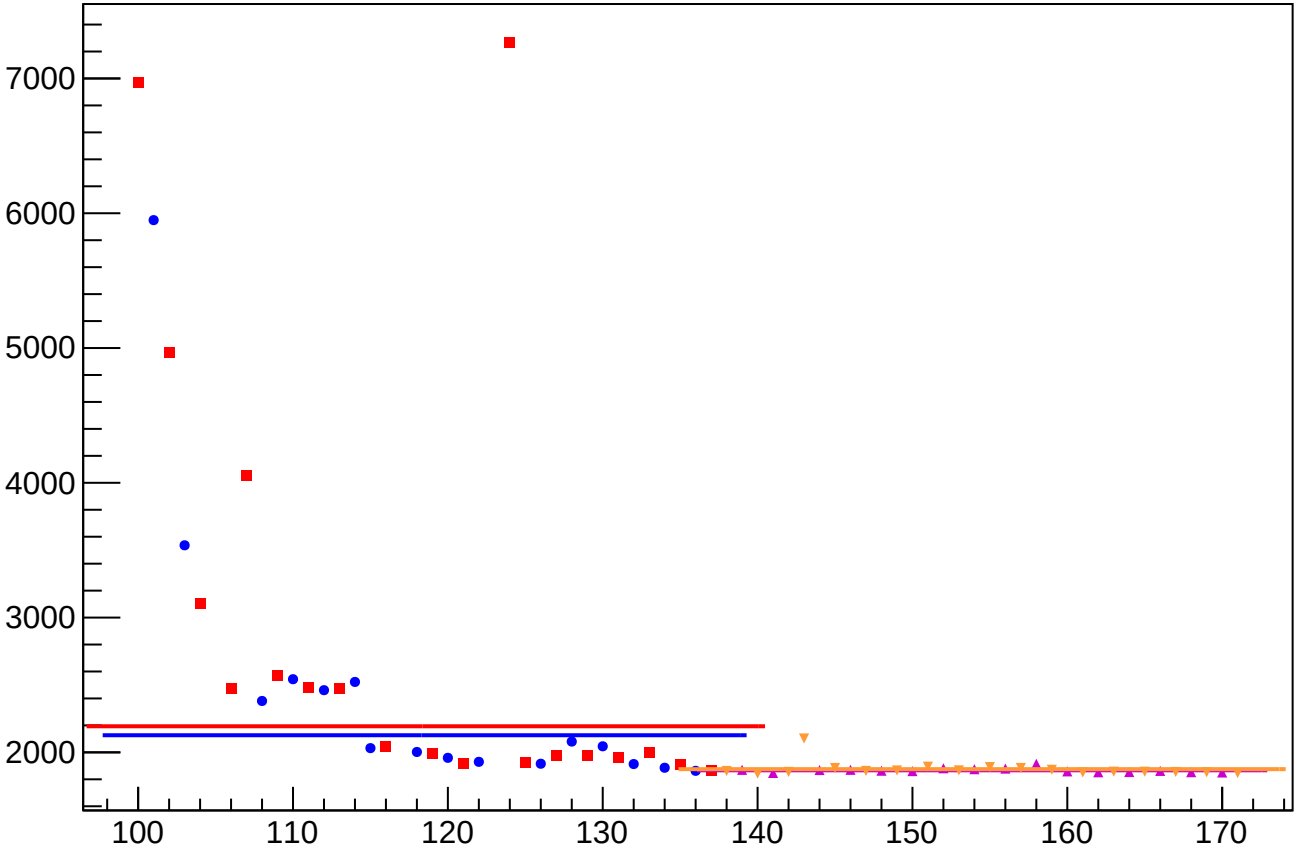
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -416.861+/-434.458 χ^2/NDF:41.0/31

Out: -772.700+/-426.503 χ^2/NDF:37.2/36

All: -598.068+/-304.357 χ^2/NDF: 78.5/68

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: 1866.809+/-0.363 χ^2/NDF:1995.8/15

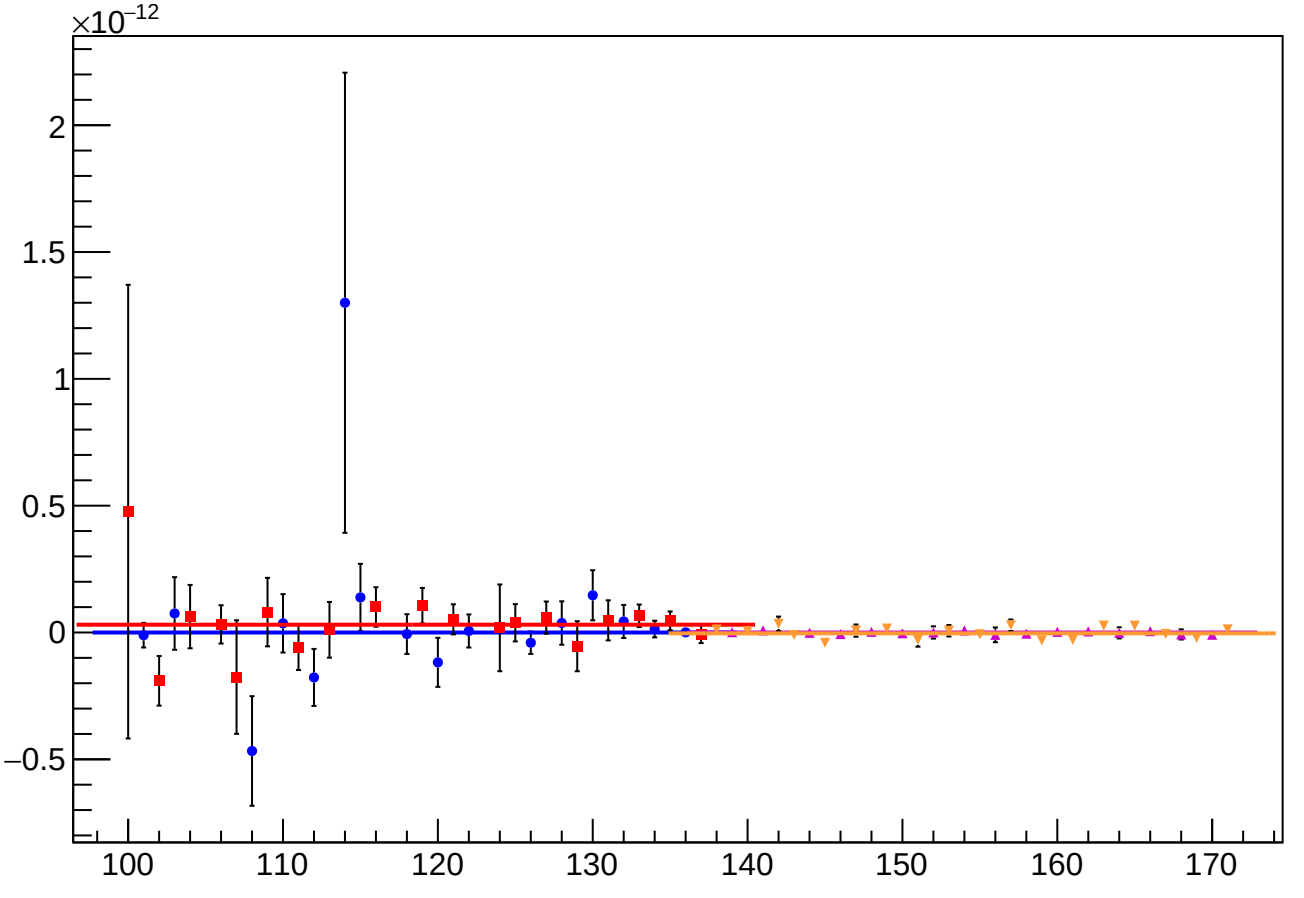
Left: 1871.251+/-0.252 χ^2/NDF: 24072.8/33

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1940.693+/-0.307 χ^2/NDF:1022957.8/31

Out: 1959.094+/-0.302 χ^2/NDF:1180094.9/36

All: 1950.063+/-0.215 χ^2/NDF: 2204879.7/68



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:2.1/15

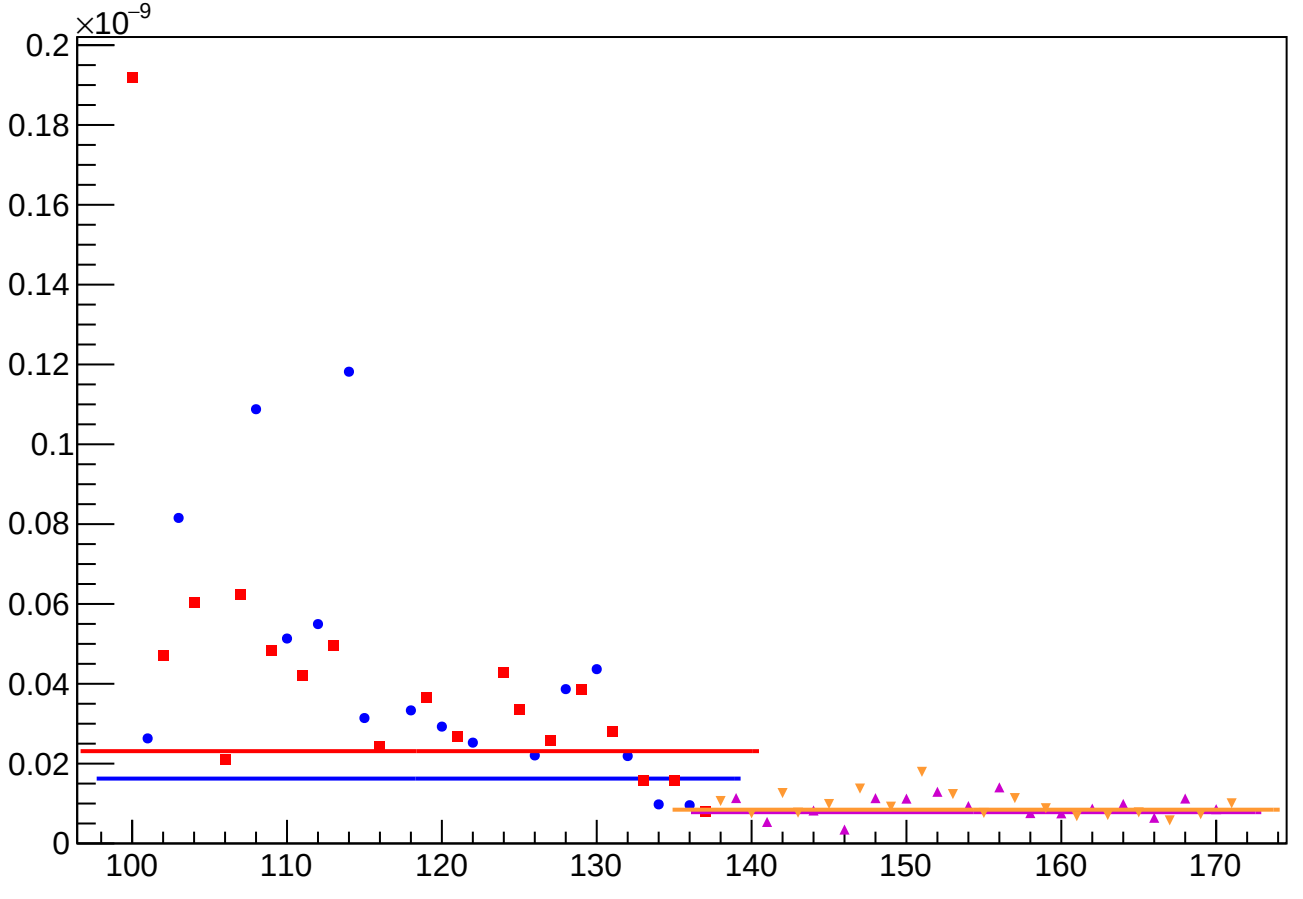
Left: -0.000+/-0.000 χ^2/NDF: 32.3/33

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:18.2/31

Out: -0.000+/-0.000 χ^2/NDF:46.7/36

All: -0.000+/-0.000 χ^2/NDF: 65.0/68



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:984223.3/15

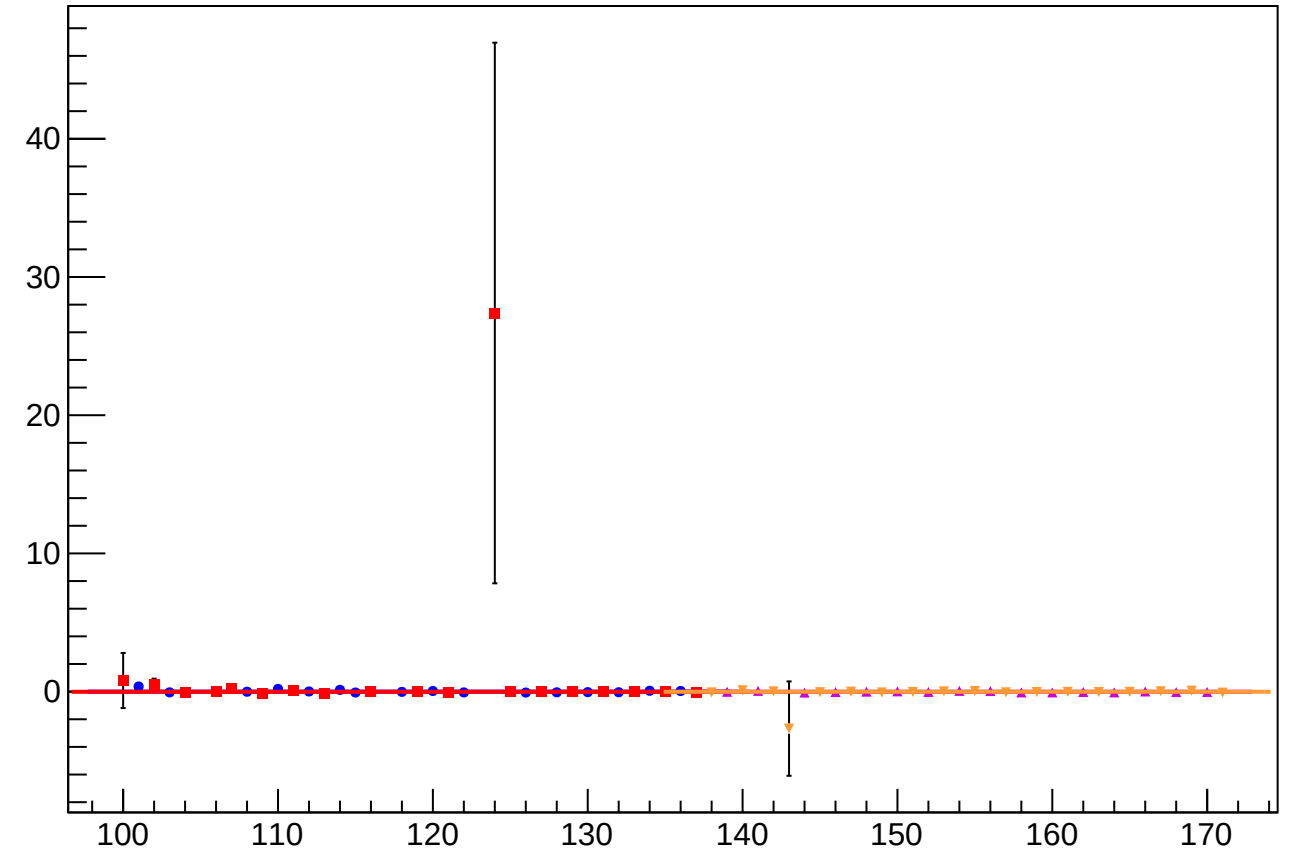
Left: 0.000+/-0.000 χ^2/NDF: 1777513.4/33

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4179629.3/31

Out: 0.000+/-0.000 χ^2/NDF:3820922.8/36

All: 0.000+/-0.000 χ^2/NDF: 8029140.5/68



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: -0.008+/-0.010 χ^2/NDF:17.2/15

Left: -0.009+/-0.007 χ^2/NDF: 41.8/33

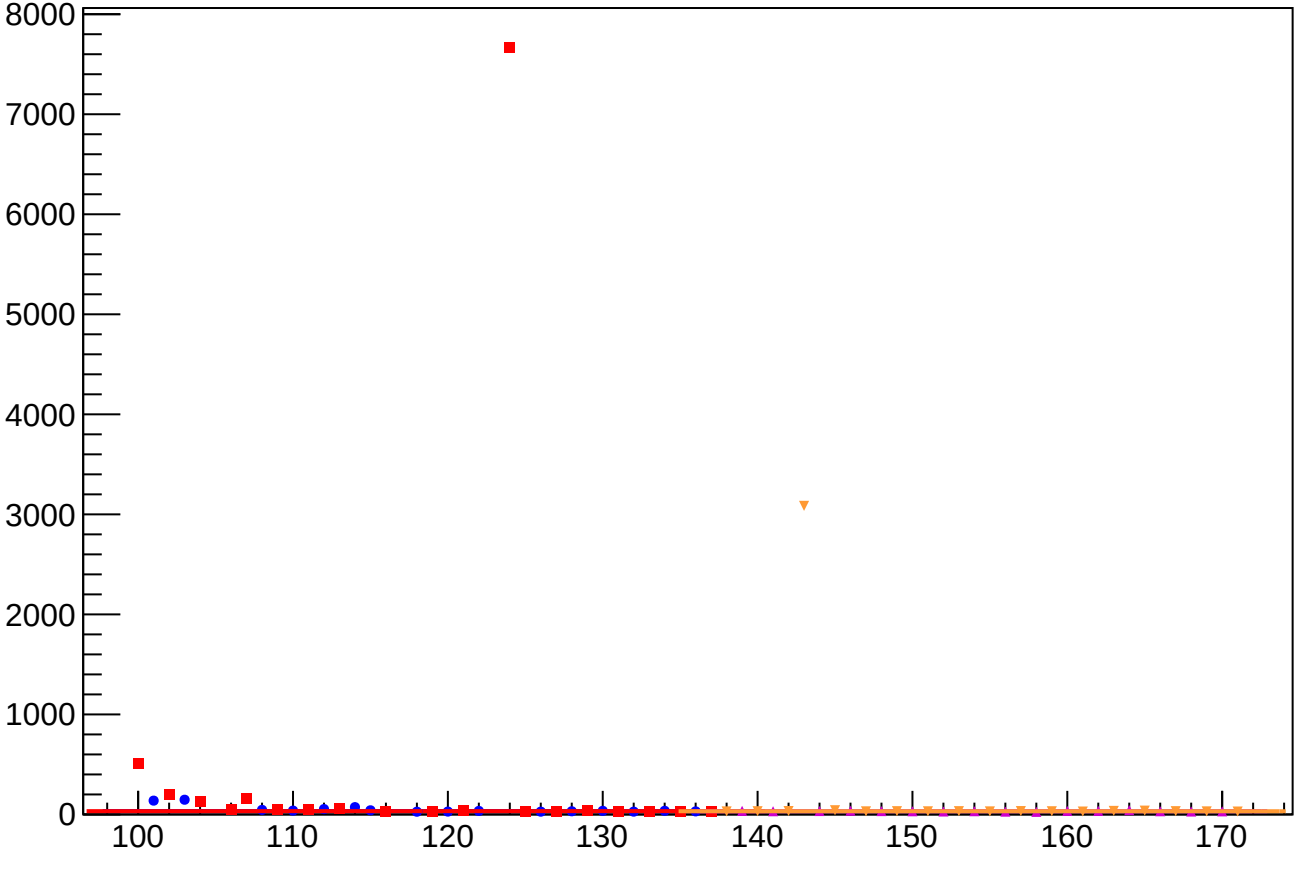
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.008+/-0.006 χ^2/NDF: 77.6/68

asym_at1_dd_dit_vs_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: 32.284+/-0.007 χ^2/NDF:266839.0/15

Left: 32.226+/-0.005 χ^2/NDF: 2040062.5/33

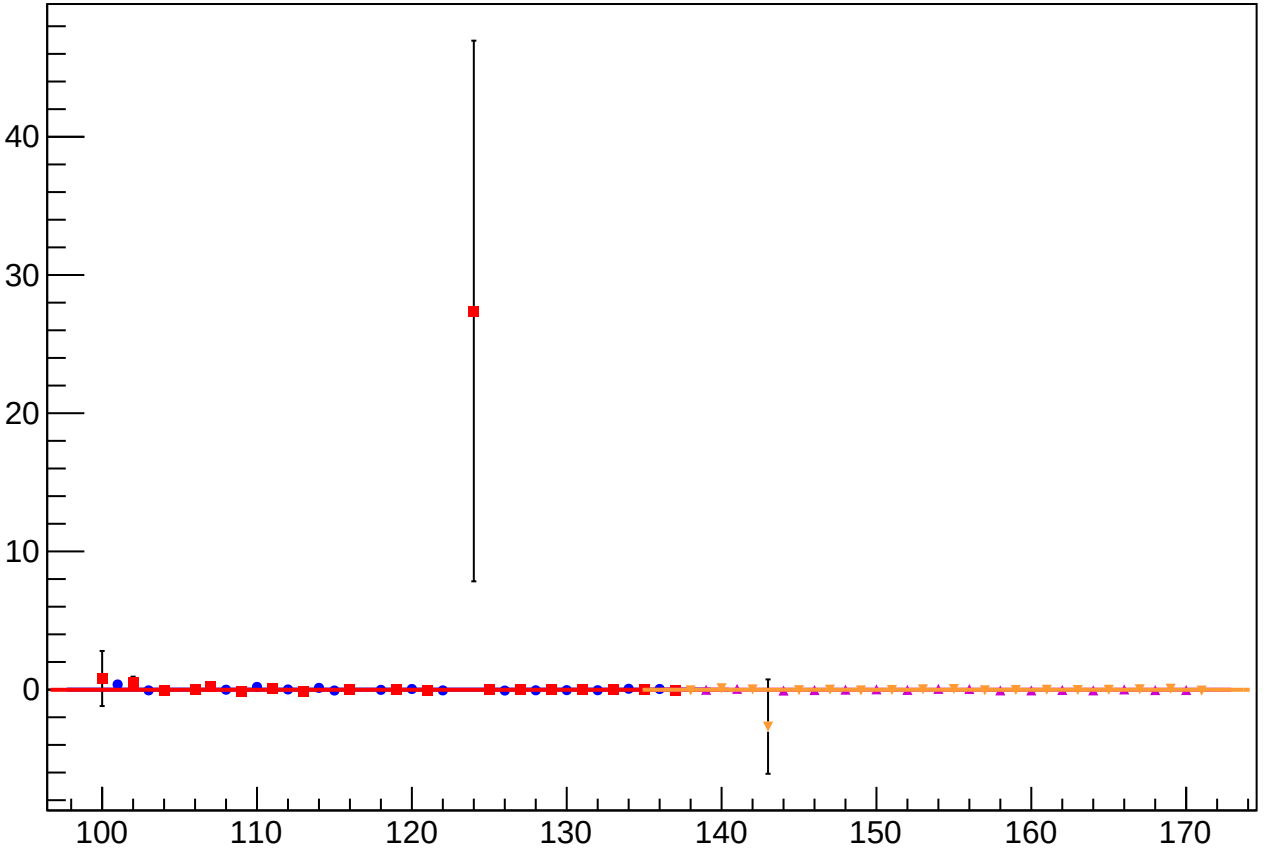
Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.818+/-0.006 χ^2/NDF:2004247.1/31

Out: 32.436+/-0.006 χ^2/NDF:3853563.2/36

All: 32.625+/-0.004 χ^2/NDF: 5860060.4/68

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: -0.008+/-0.010 χ^2/NDF:17.2/15

Left: -0.009+/-0.007 χ^2/NDF: 41.8/33

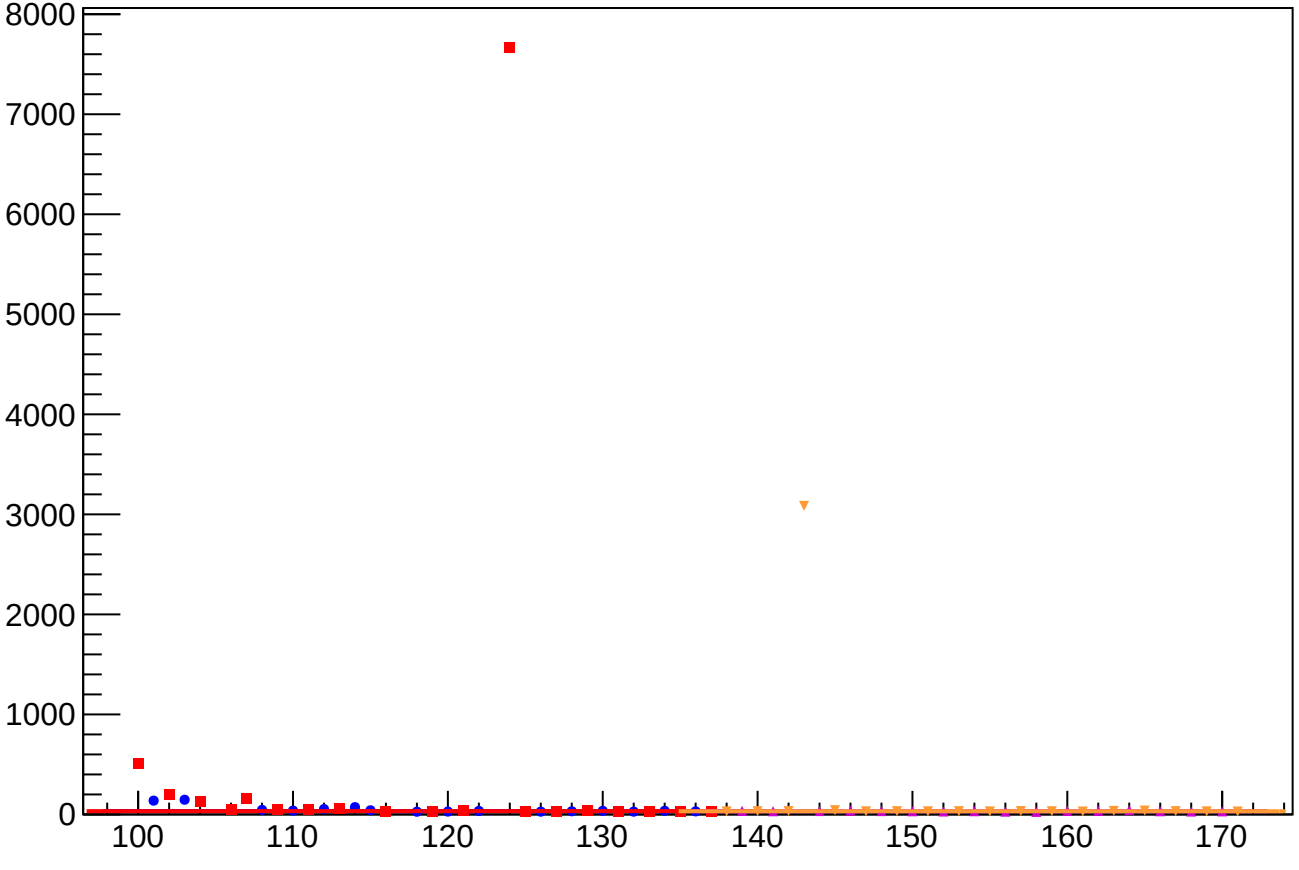
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.008+/-0.006 χ^2/NDF: 77.6/68

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: 32.284+/-0.007 χ^2/NDF:266839.0/15

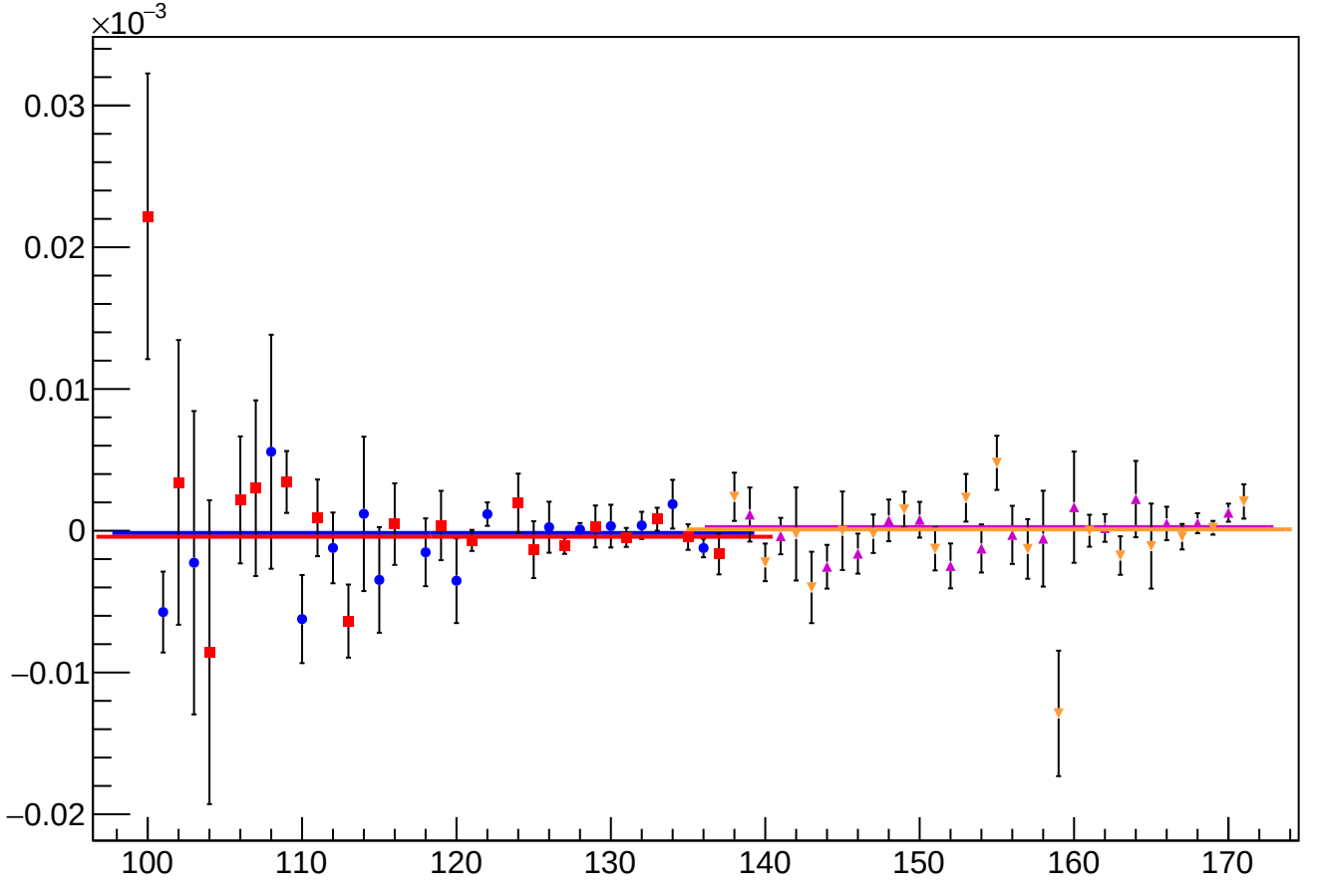
Left: 32.226+/-0.005 χ^2/NDF: 2040062.5/33

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.818+/-0.006 χ^2/NDF:2004247.1/31

Out: 32.436+/-0.006 χ^2/NDF:3853563.2/36

All: 32.625+/-0.004 χ^2/NDF: 5860060.4/68



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:13.1/15

Left: 0.000+/-0.000 χ^2/NDF: 44.8/33

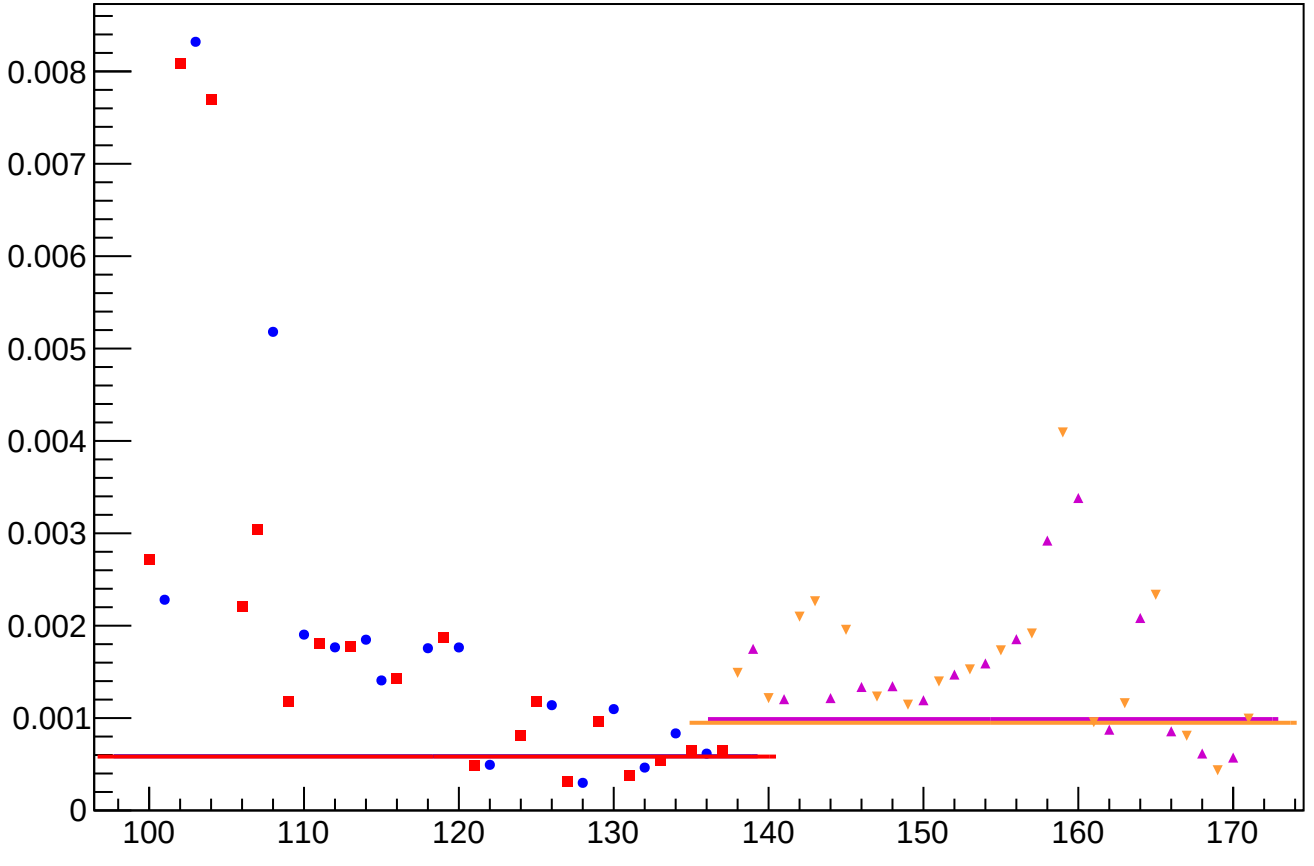
Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.2/31

Out: -0.000+/-0.000 χ^2/NDF:54.7/36

All: -0.000+/-0.000 χ^2/NDF: 87.5/68

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:4690996.3/15

Left: 0.001+/-0.000 χ^2/NDF: 11130036.4/33

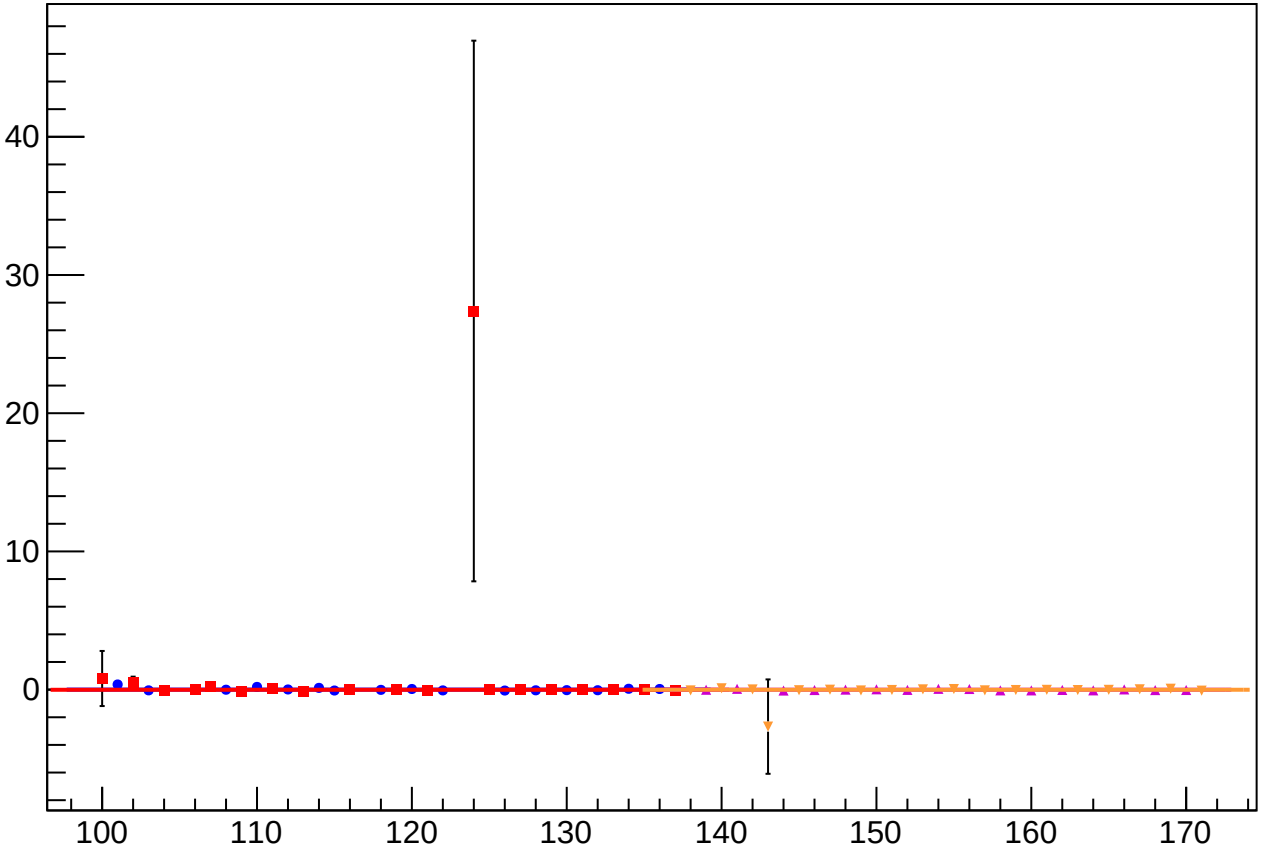
Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:11952263.4/31

Out: 0.001+/-0.000 χ^2/NDF:13440590.9/36

All: 0.001+/-0.000 χ^2/NDF: 25400051.6/68

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.009+/-0.010 χ^2/NDF:24.6/17

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.008+/-0.010 χ^2/NDF:17.2/15

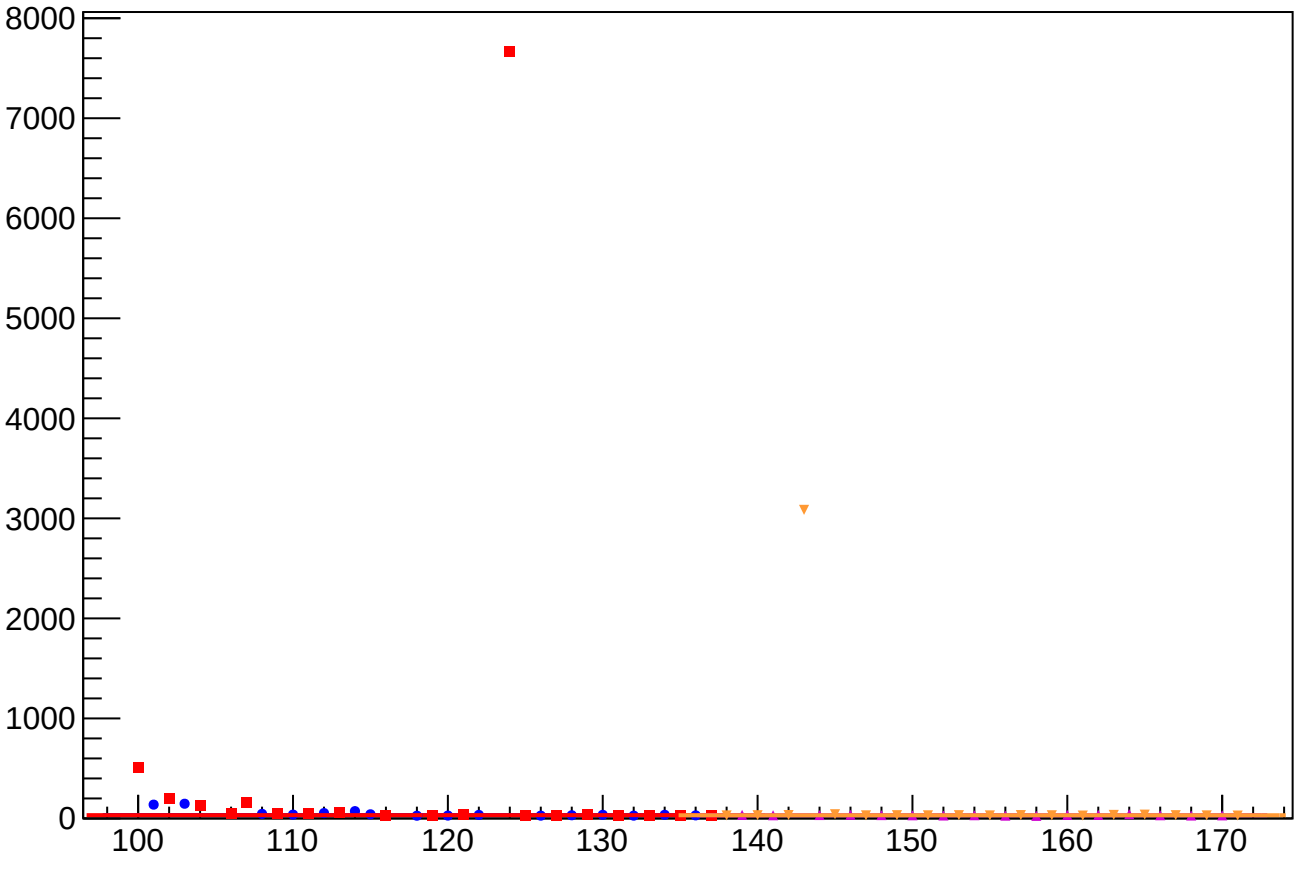
Left: -0.009+/-0.007 χ^2/NDF: 41.8/33

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.008+/-0.006 χ^2/NDF: 77.6/68



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: 32.284+/-0.007 χ^2/NDF:266763.0/15

Left: 32.226+/-0.005 χ^2/NDF: 2039982.4/33

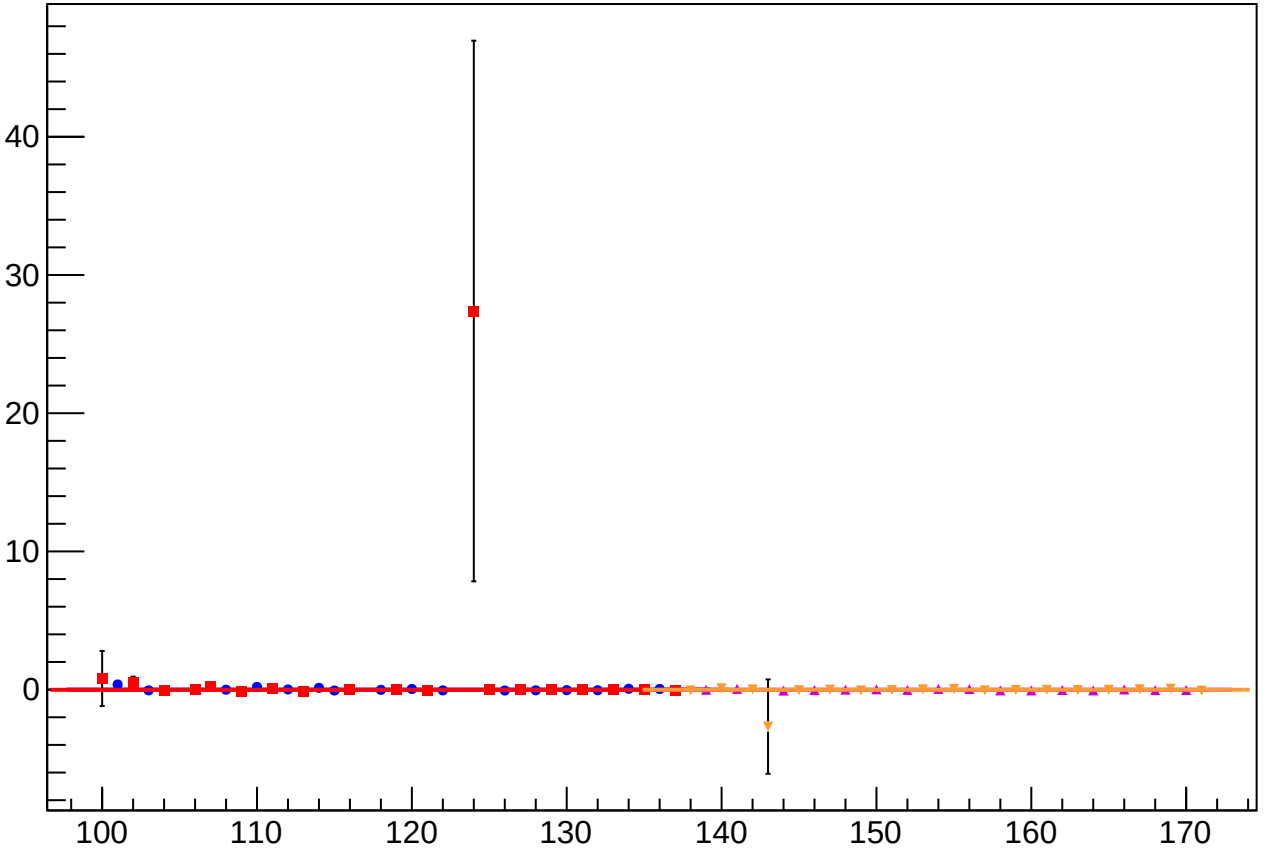
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.818+/-0.006 χ^2/NDF:2004154.1/31

Out: 32.436+/-0.006 χ^2/NDF:3853538.2/36

All: 32.625+/-0.004 χ^2/NDF: 5859944.8/68

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: -0.008+/-0.010 χ^2/NDF:17.2/15

Left: -0.009+/-0.007 χ^2/NDF: 41.8/33

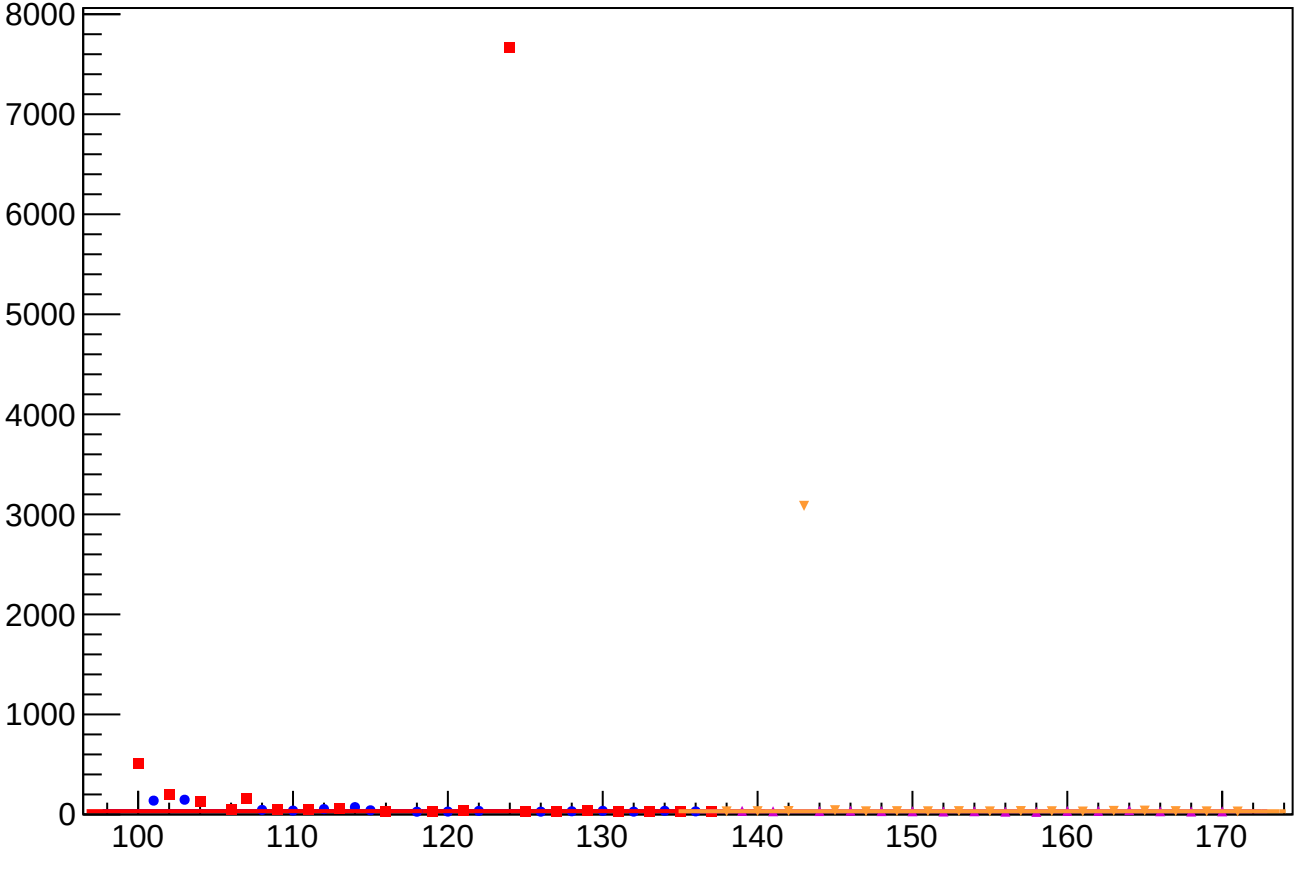
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:38.6/31

Out: -0.010+/-0.008 χ^2/NDF:38.8/36

All: -0.008+/-0.006 χ^2/NDF: 77.6/68

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: 32.284+/-0.007 χ^2/NDF:266763.0/15

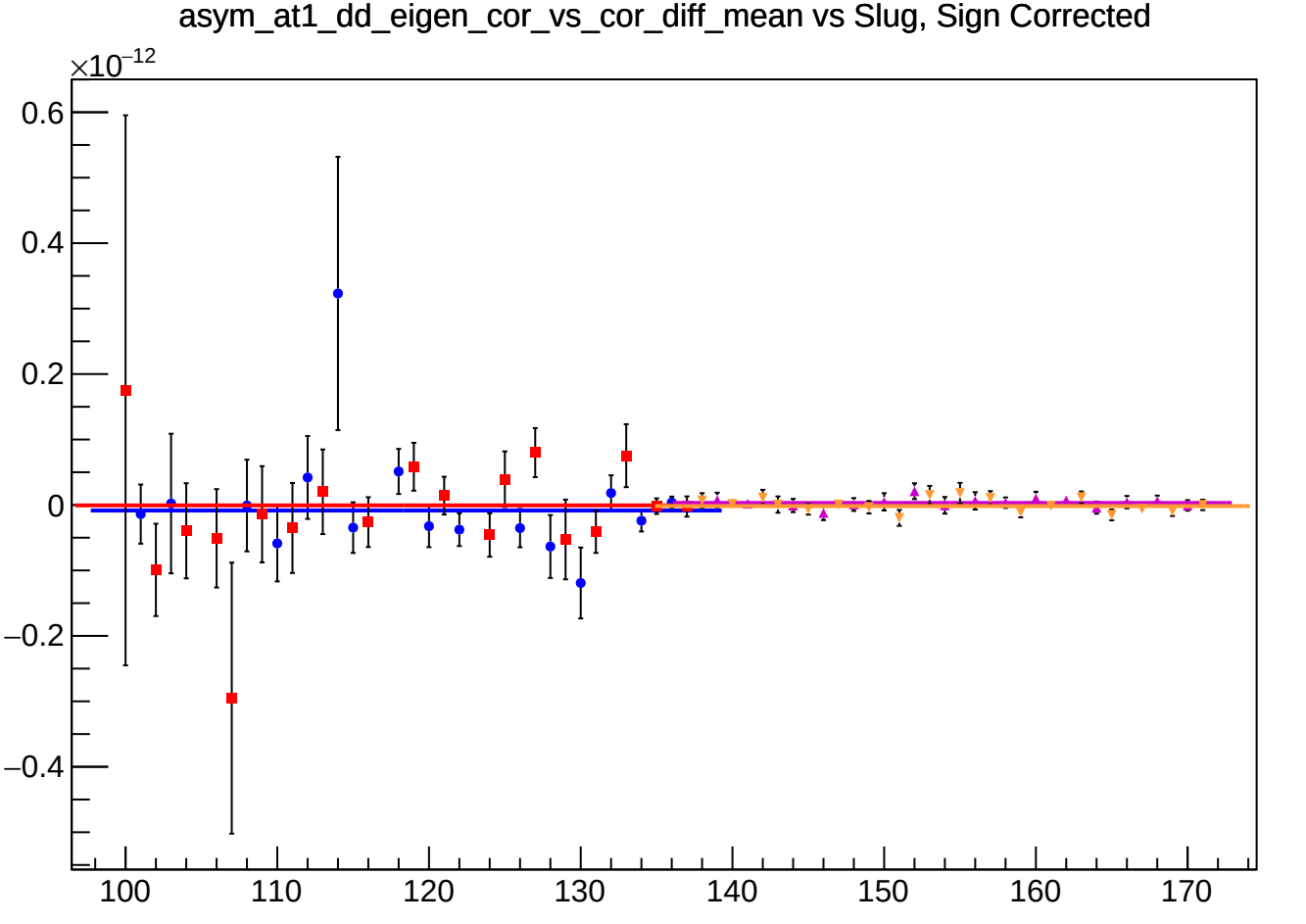
Left: 32.226+/-0.005 χ^2/NDF: 2039982.4/33

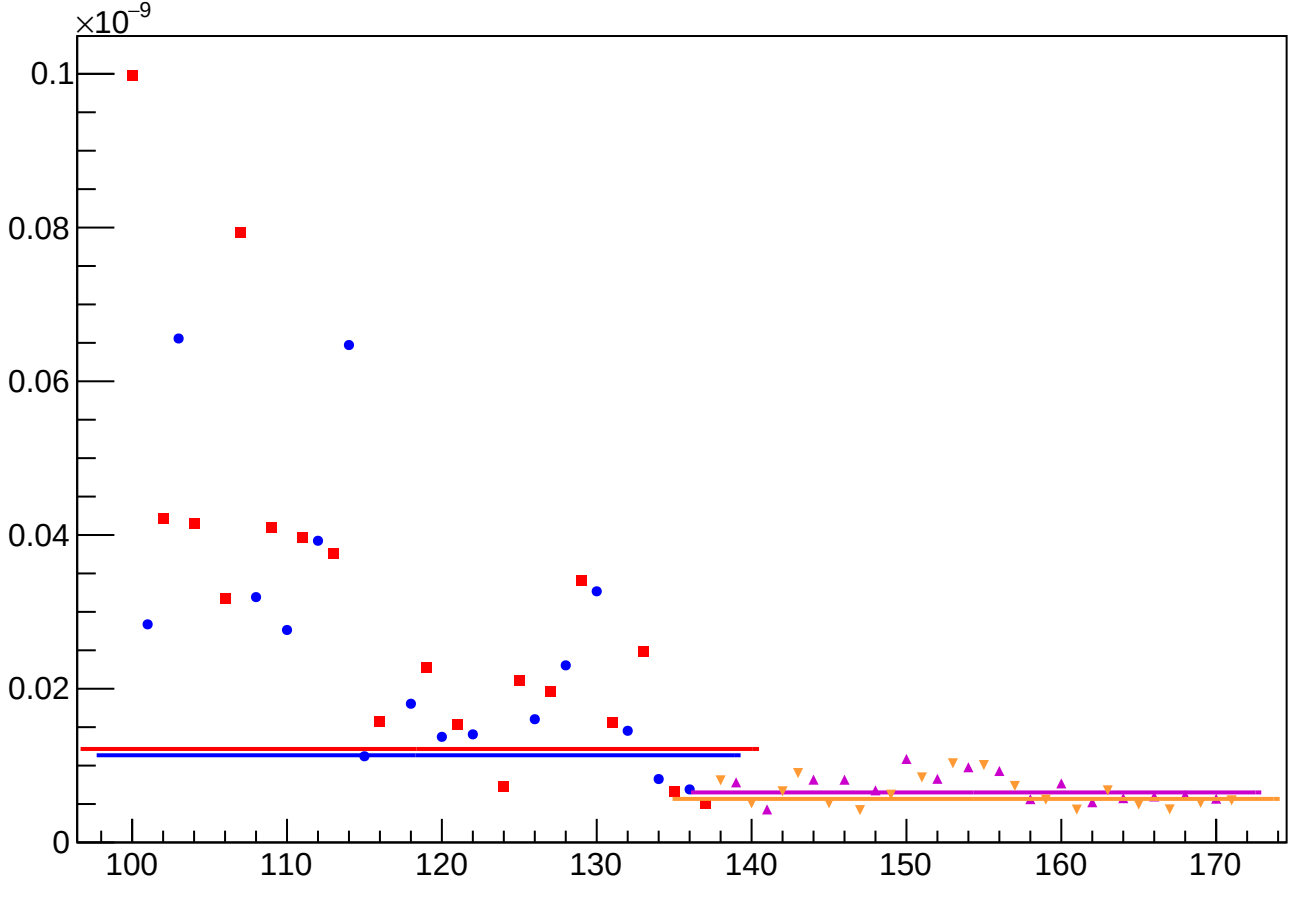
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.818+/-0.006 χ^2/NDF:2004154.1/31

Out: 32.436+/-0.006 χ^2/NDF:3853538.2/36

All: 32.625+/-0.004 χ^2/NDF: 5859944.8/68


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 19.3/15
Left Out: -0.000+/-0.000 χ²/NDF:16.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/18
Left In: 0.000+/-0.000 χ²/NDF:6.5/15
Left: 0.000+/-0.000 χ²/NDF: 25.7/33
Right: -0.000+/-0.000 χ²/NDF: 40.7/34
In: 0.000+/-0.000 χ²/NDF:28.6/31
Out: -0.000+/-0.000 χ²/NDF:37.6/36
All: -0.000+/-0.000 χ²/NDF: 67.6/68



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:1024682.9/15

Left: 0.000+/-0.000 χ^2/NDF: 2321304.8/33

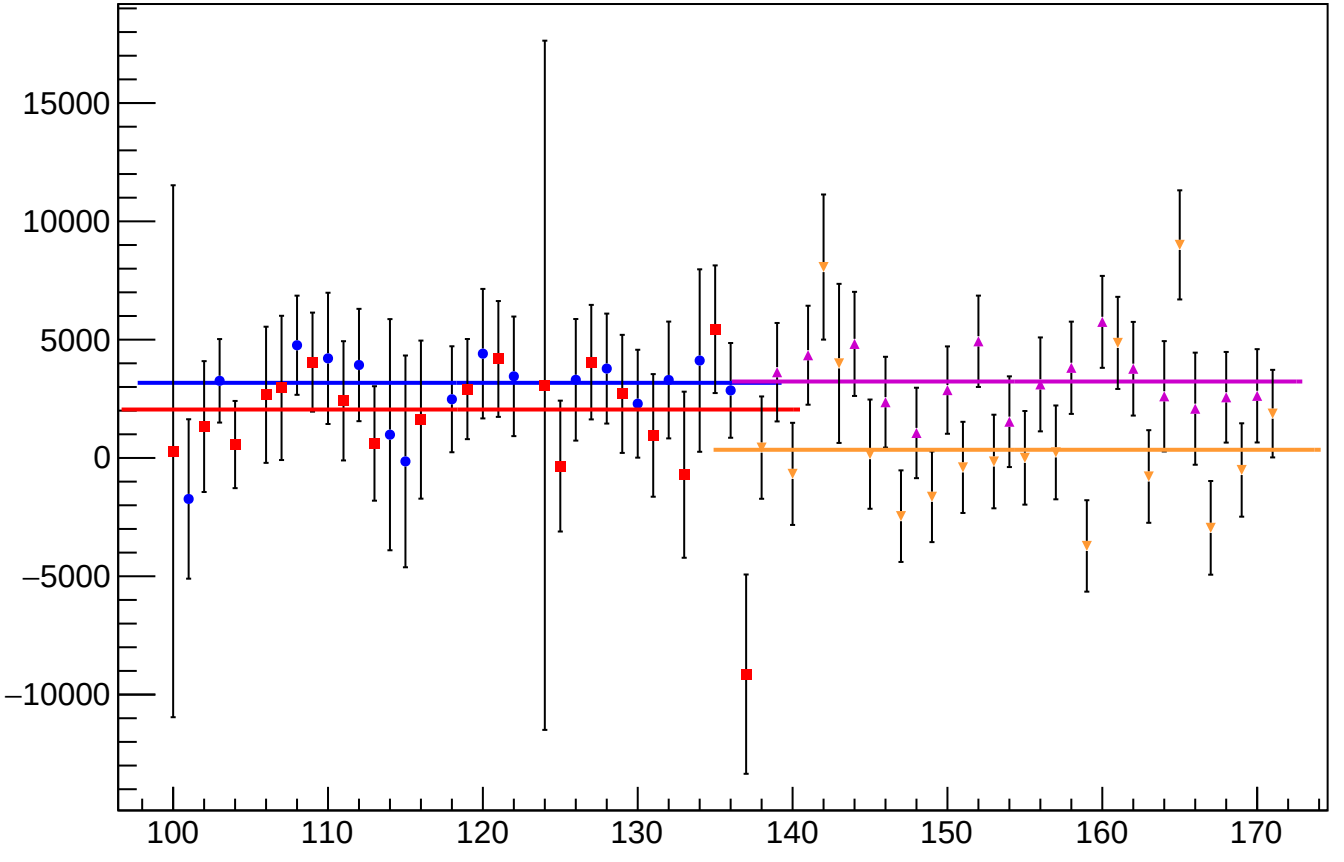
Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:4846168.5/31

Out: 0.000+/-0.000 χ^2/NDF:6393732.8/36

All: 0.000+/-0.000 χ^2/NDF: 11441680.2/68

reg_asym_at2_avg_mean vs Slug, Sign Corrected



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: 3230.804+/-501.629 χ^2/NDF:6.3/15

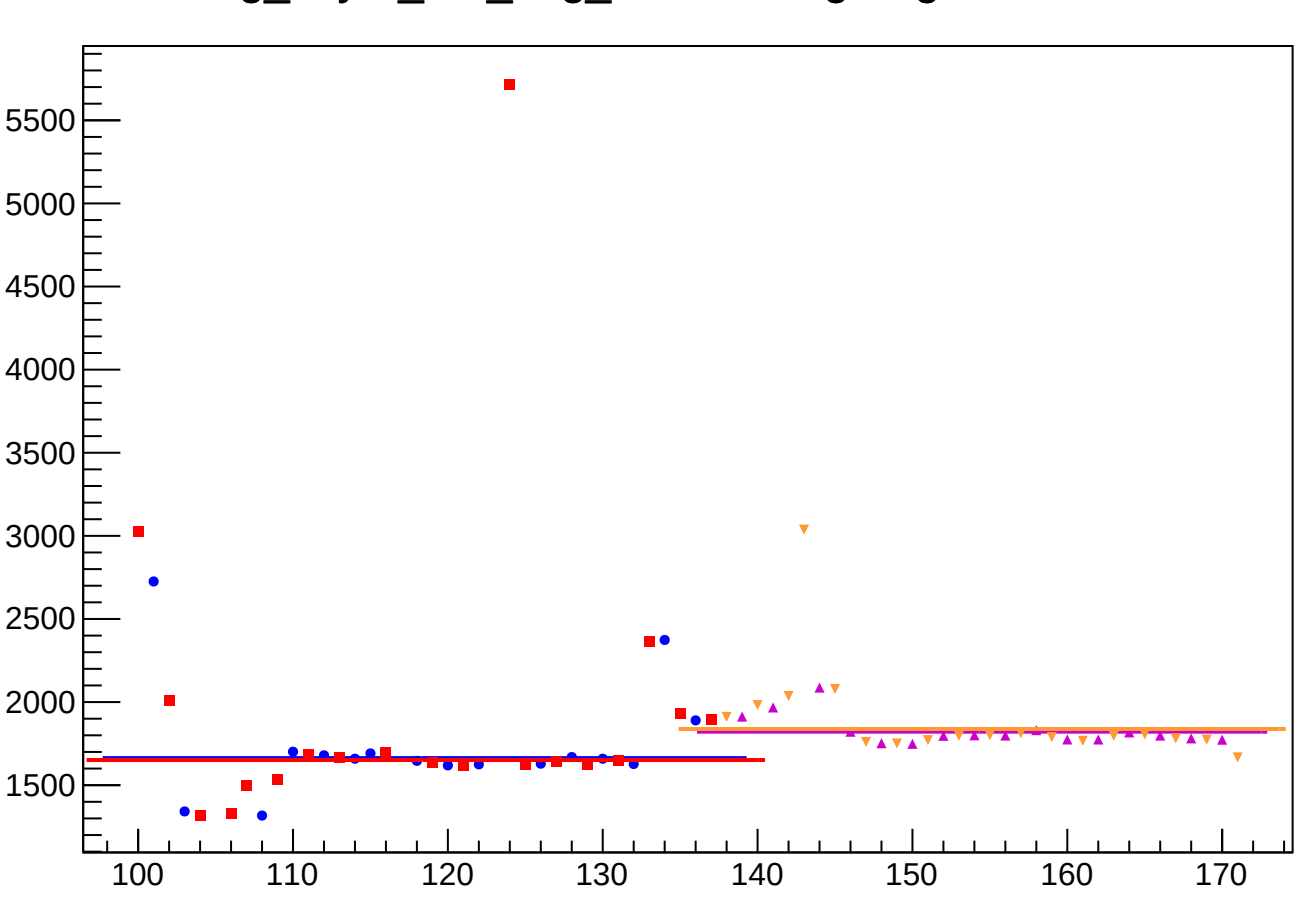
Left: 1753.497+/-350.407 χ^2/NDF: 62.3/33

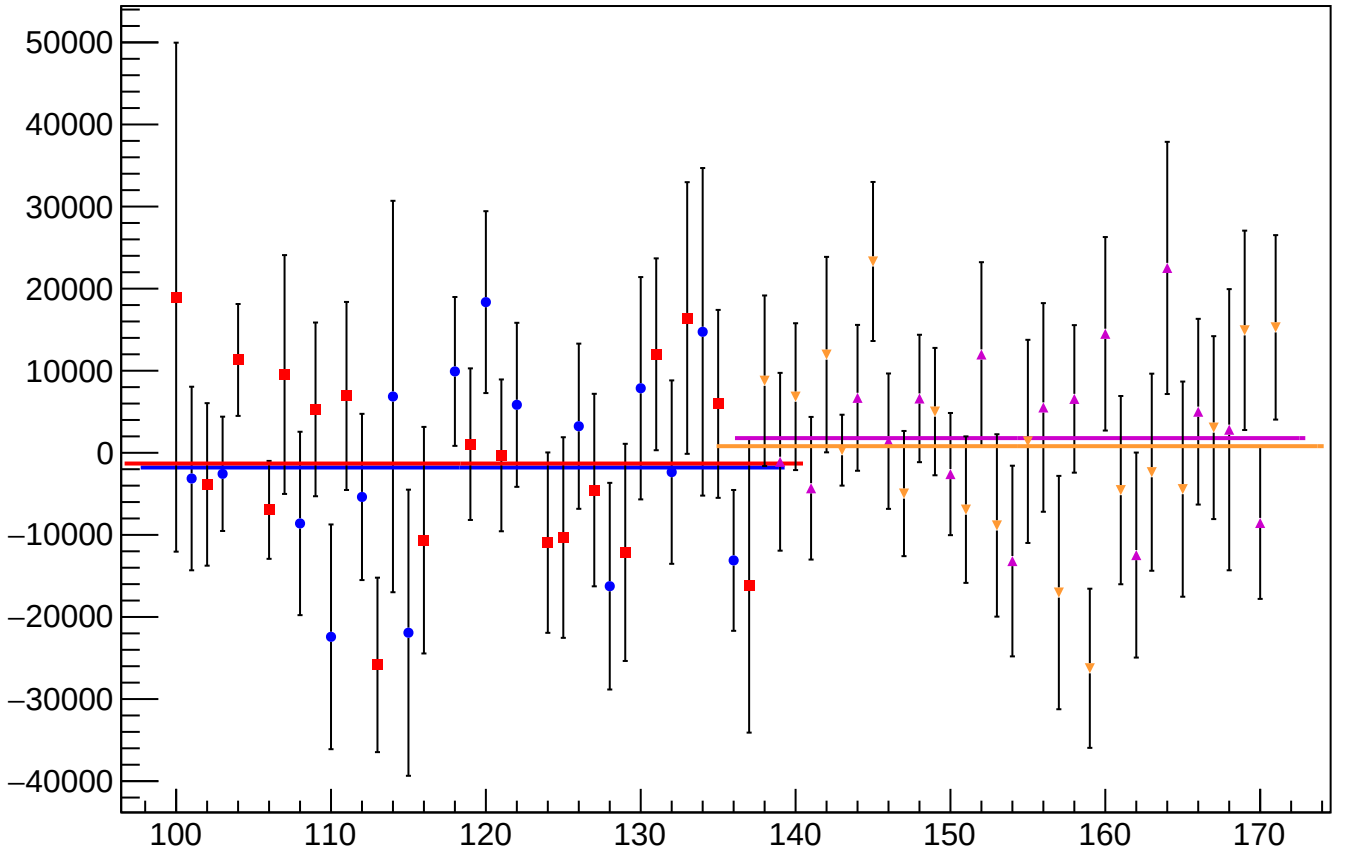
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3209.300+/-391.939 χ^2/NDF:10.6/31

Out: 997.485+/-384.639 χ^2/NDF:57.7/36

All: 2082.604+/-274.526 χ^2/NDF: 84.6/68


reg_asym_at2_avg_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 1662.901+/-0.444 χ²/NDF: 415630.7/15
Left Out: 1838.094+/-0.346 χ²/NDF:333425.5/17
Right Out: 1651.322+/-0.439 χ²/NDF: 431965.1/18
Left In: 1821.985+/-0.355 χ²/NDF:53854.7/15
Left: 1830.234+/-0.248 χ²/NDF: 388336.3/33
Right: 1657.052+/-0.312 χ²/NDF: 847939.4/34
In: 1760.019+/-0.277 χ²/NDF:547836.9/31
Out: 1766.555+/-0.272 χ²/NDF:876831.0/36
All: 1763.349+/-0.194 χ²/NDF: 1424951.3/68



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: 1790.384+/-2512.286 χ^2/NDF:10.1/15

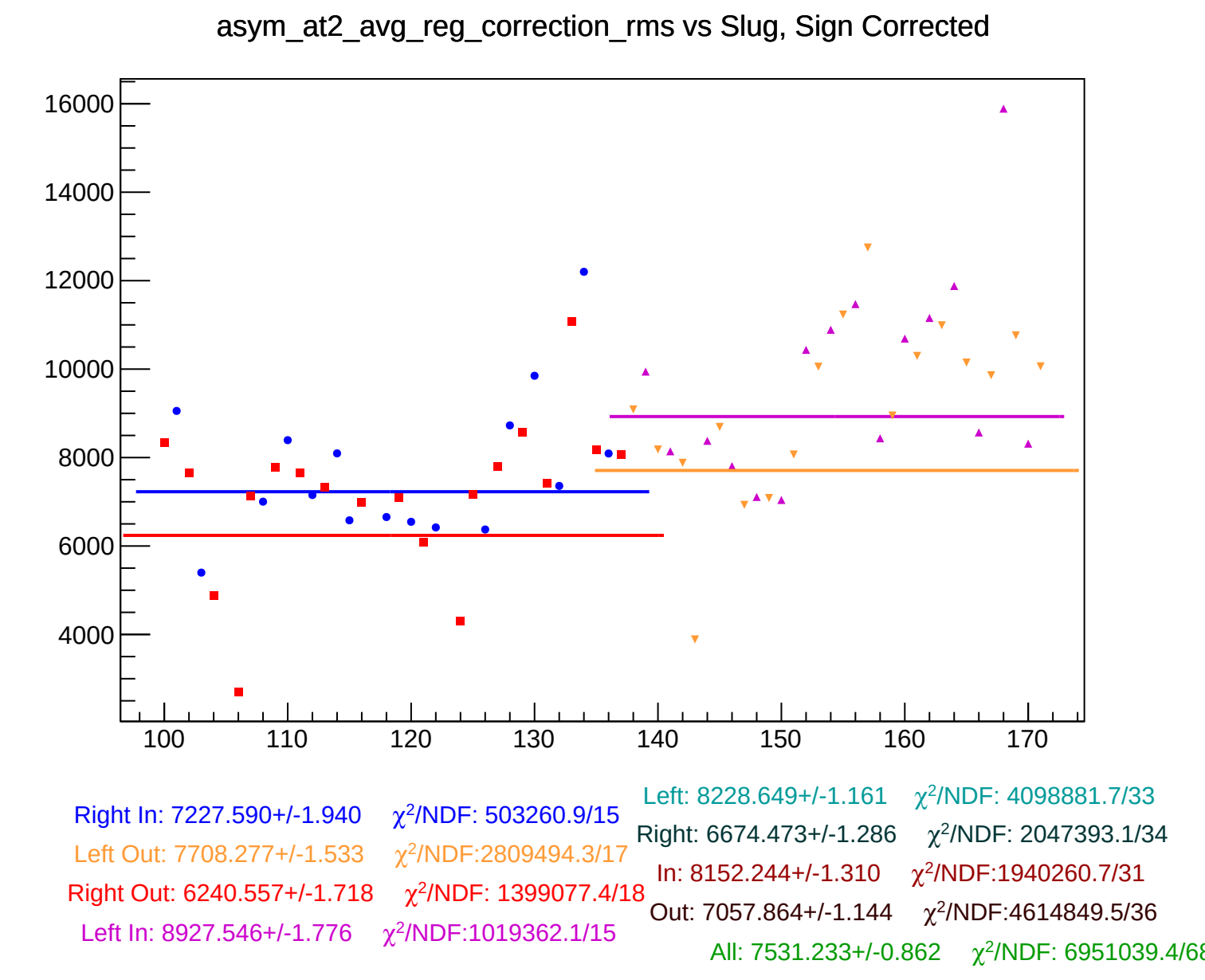
Left: 1226.975+/-1641.256 χ^2/NDF: 32.7/33

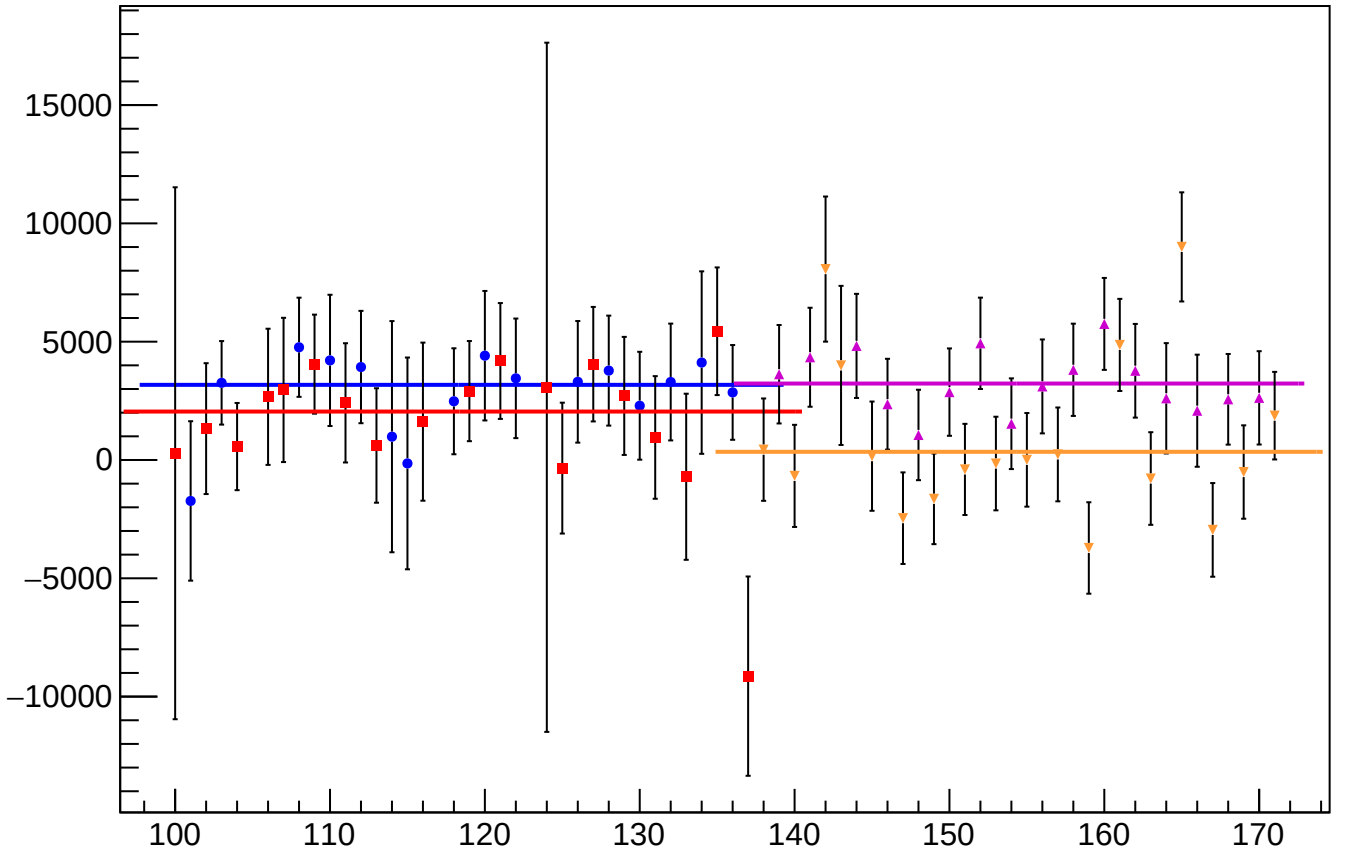
Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

In: 157.003+/-1852.849 χ^2/NDF:25.3/31

Out: -129.235+/-1617.672 χ^2/NDF:40.7/36

All: -5.424+/-1218.586 χ^2/NDF: 66.1/68


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: 8927.546+/-1.776 χ²/NDF:1019362.1/15
Left: 8228.649+/-1.161 χ²/NDF: 4098881.7/33
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8152.244+/-1.310 χ²/NDF:1940260.7/31
Out: 7057.864+/-1.144 χ²/NDF:4614849.5/36
All: 7531.233+/-0.862 χ²/NDF: 6951039.4/68



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: 3230.815+/-501.629 χ^2/NDF:6.3/15

Left: 1753.447+/-350.407 χ^2/NDF: 62.3/33

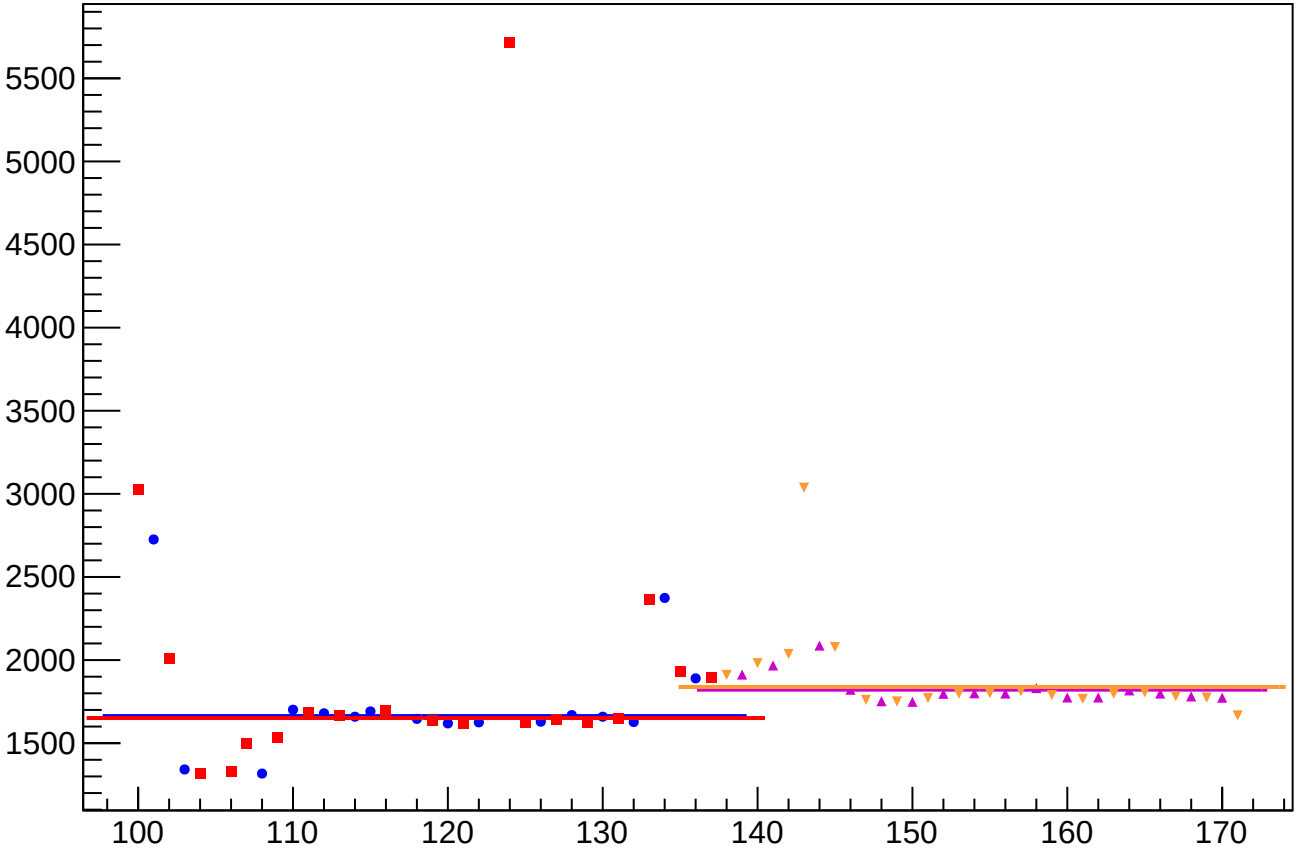
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3209.342+/-391.939 χ^2/NDF:10.6/31

Out: 997.343+/-384.639 χ^2/NDF:57.7/36

All: 2082.552+/-274.526 χ^2/NDF: 84.6/68

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: 1821.985+/-0.355 χ^2/NDF:53854.7/15

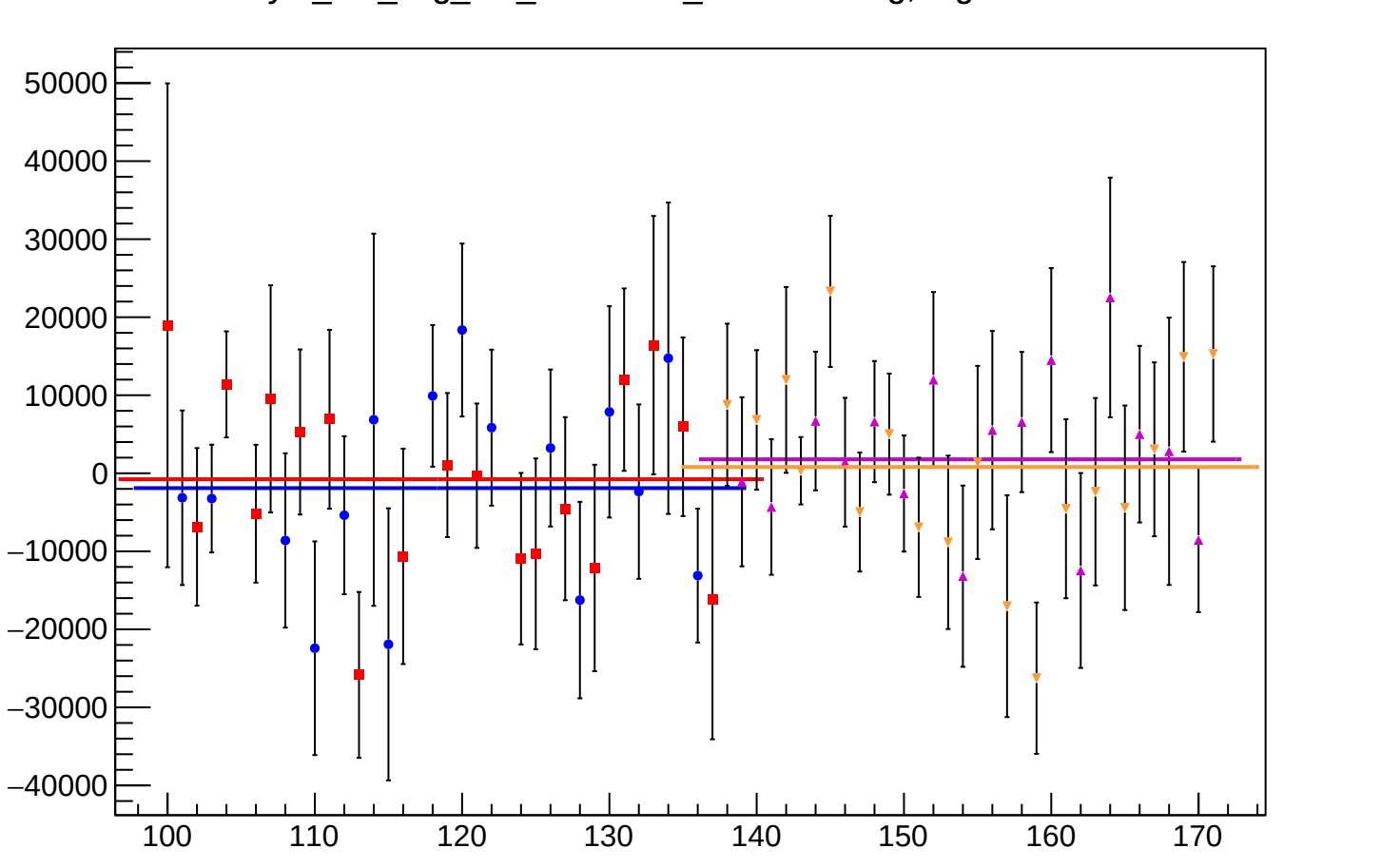
Left: 1830.234+/-0.248 χ^2/NDF: 388336.3/33

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1760.019+/-0.277 χ^2/NDF:547837.4/31

Out: 1766.555+/-0.272 χ^2/NDF:876831.4/36

All: 1763.349+/-0.194 χ^2/NDF: 1424952.1/68



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: 1790.489+/-2512.284 χ^2/NDF:10.1/15

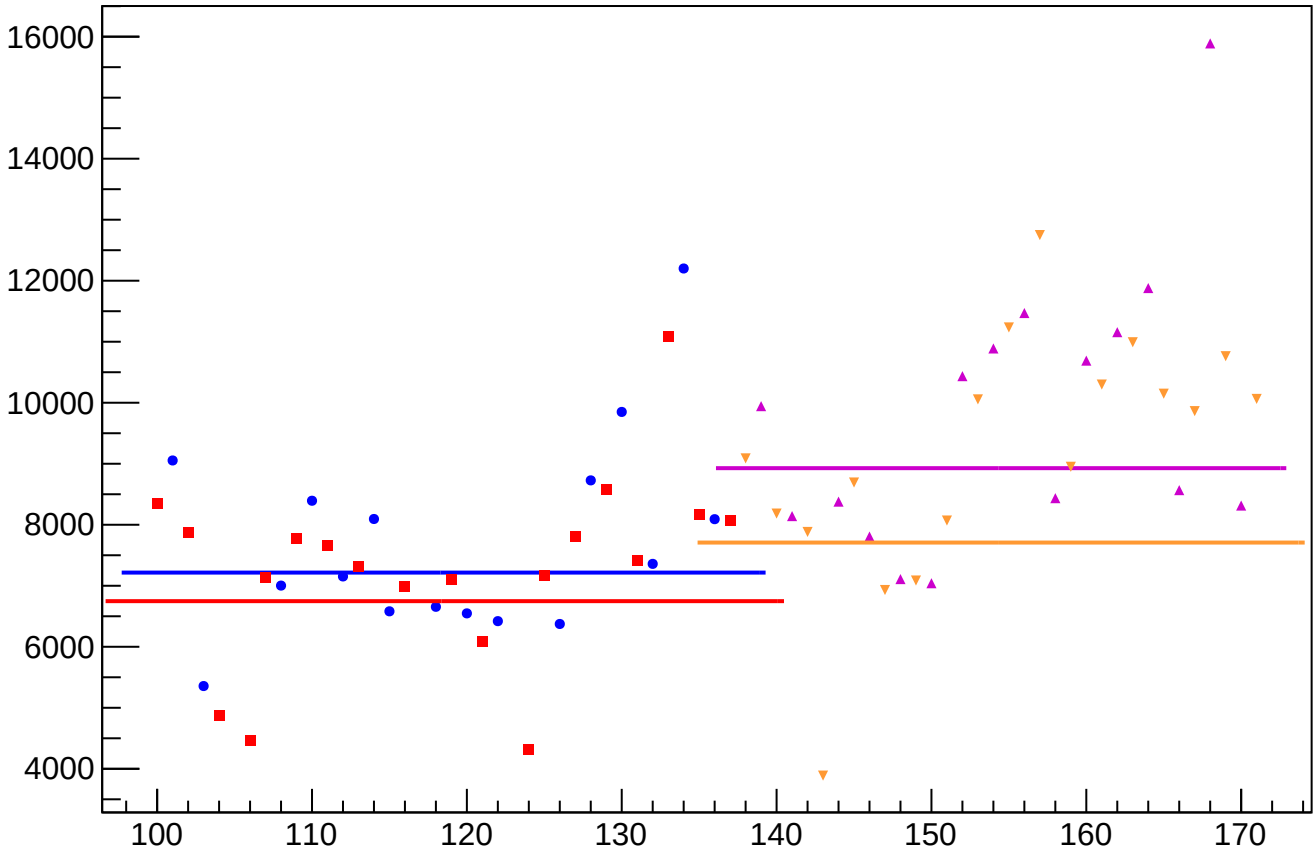
Left: 1226.965+/-1641.252 χ^2/NDF: 32.7/33

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 104.860+/-1851.719 χ^2/NDF:25.4/31

Out: 148.775+/-1651.618 χ^2/NDF:40.1/36

All: 129.318+/-1232.567 χ^2/NDF: 65.5/68



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: 8927.538+/-1.776 χ^2/NDF:1019367.0/15

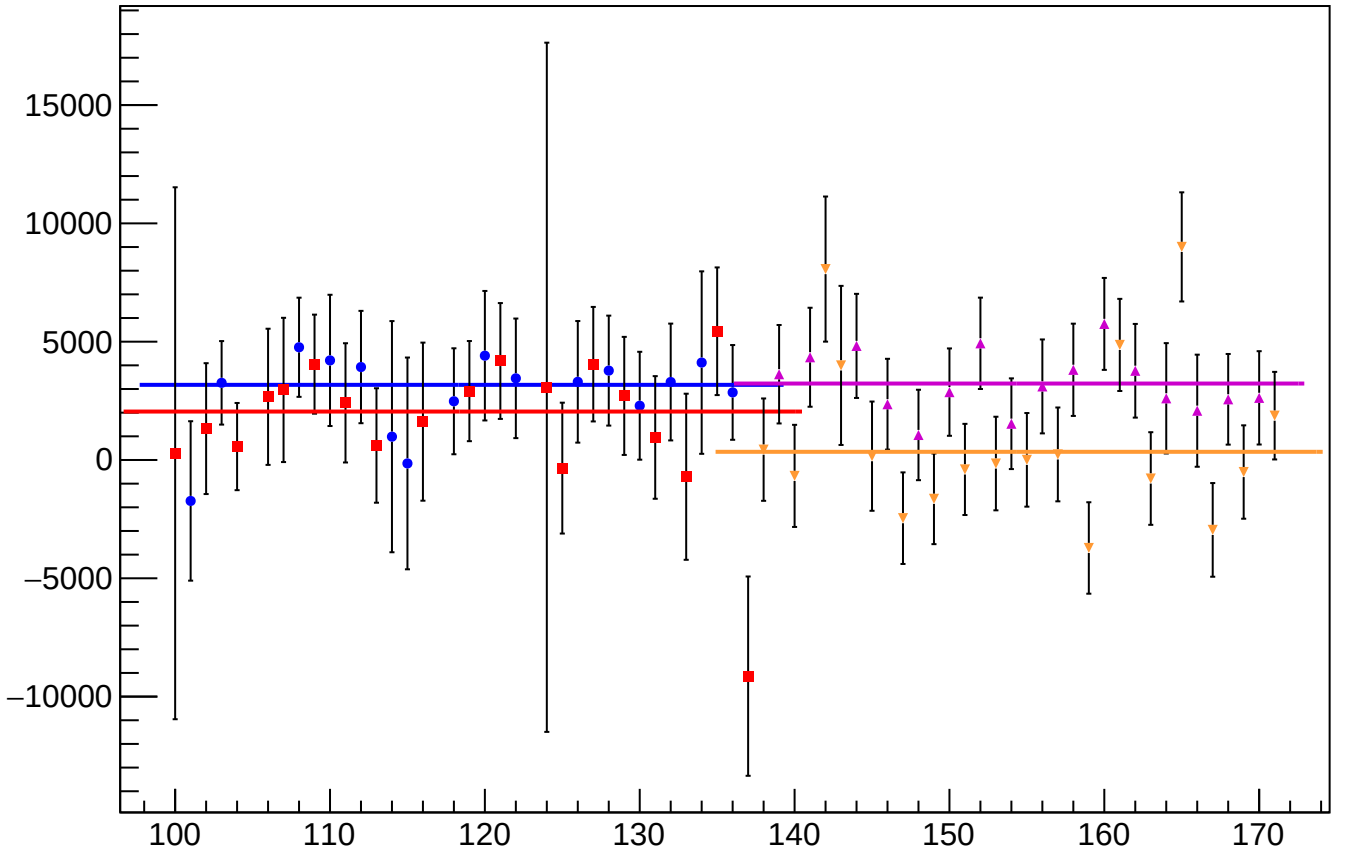
Left: 8228.624+/-1.161 χ^2/NDF: 4098963.1/33

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8145.834+/-1.309 χ^2/NDF:1955442.8/31

Out: 7305.286+/-1.168 χ^2/NDF:3683073.5/36

All: 7677.706+/-0.872 χ^2/NDF: 5868029.1/68



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: 3230.815+/-501.629 χ^2/NDF:6.3/15

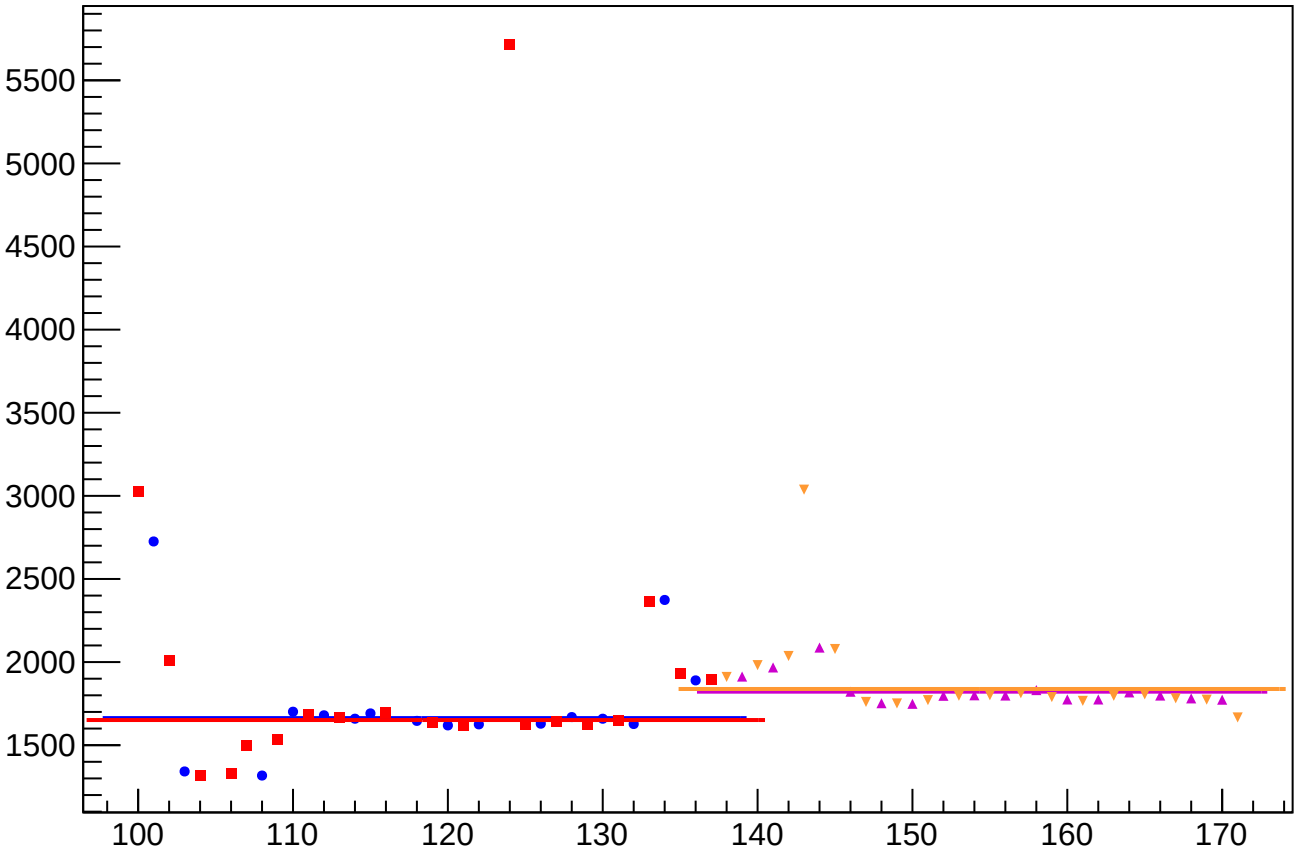
Left: 1753.447+/-350.407 χ^2/NDF: 62.3/33

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3209.342+/-391.939 χ^2/NDF:10.6/31

Out: 997.343+/-384.639 χ^2/NDF:57.7/36

All: 2082.552+/-274.526 χ^2/NDF: 84.6/68



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: 1821.985+/-0.355 χ^2/NDF:53854.7/15

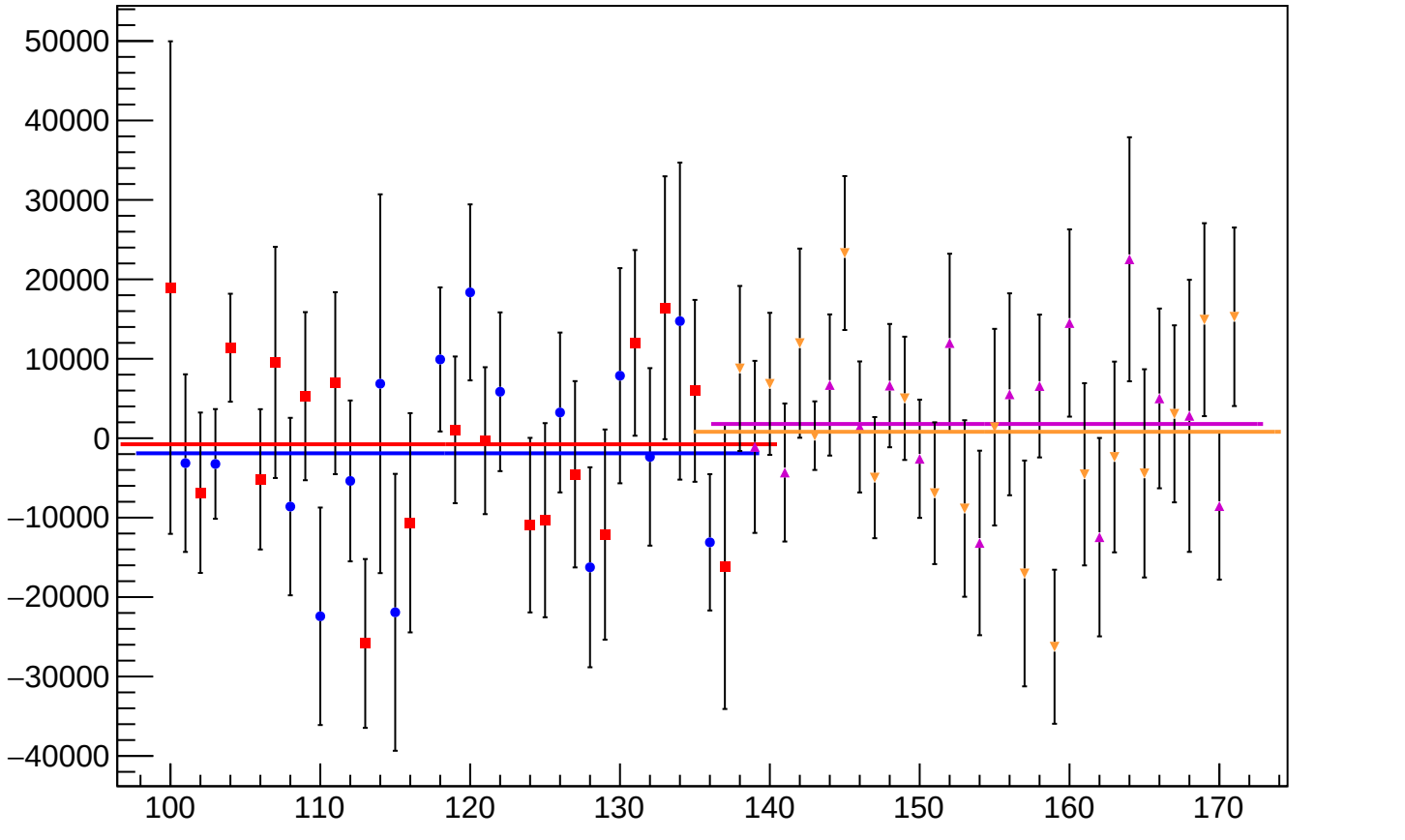
Left: 1830.234+/-0.248 χ^2/NDF: 388336.3/33

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1760.019+/-0.277 χ^2/NDF:547837.4/31

Out: 1766.555+/-0.272 χ^2/NDF:876831.4/36

All: 1763.349+/-0.194 χ^2/NDF: 1424952.1/68



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: 1790.489+/-2512.284 χ^2/NDF:10.1/15

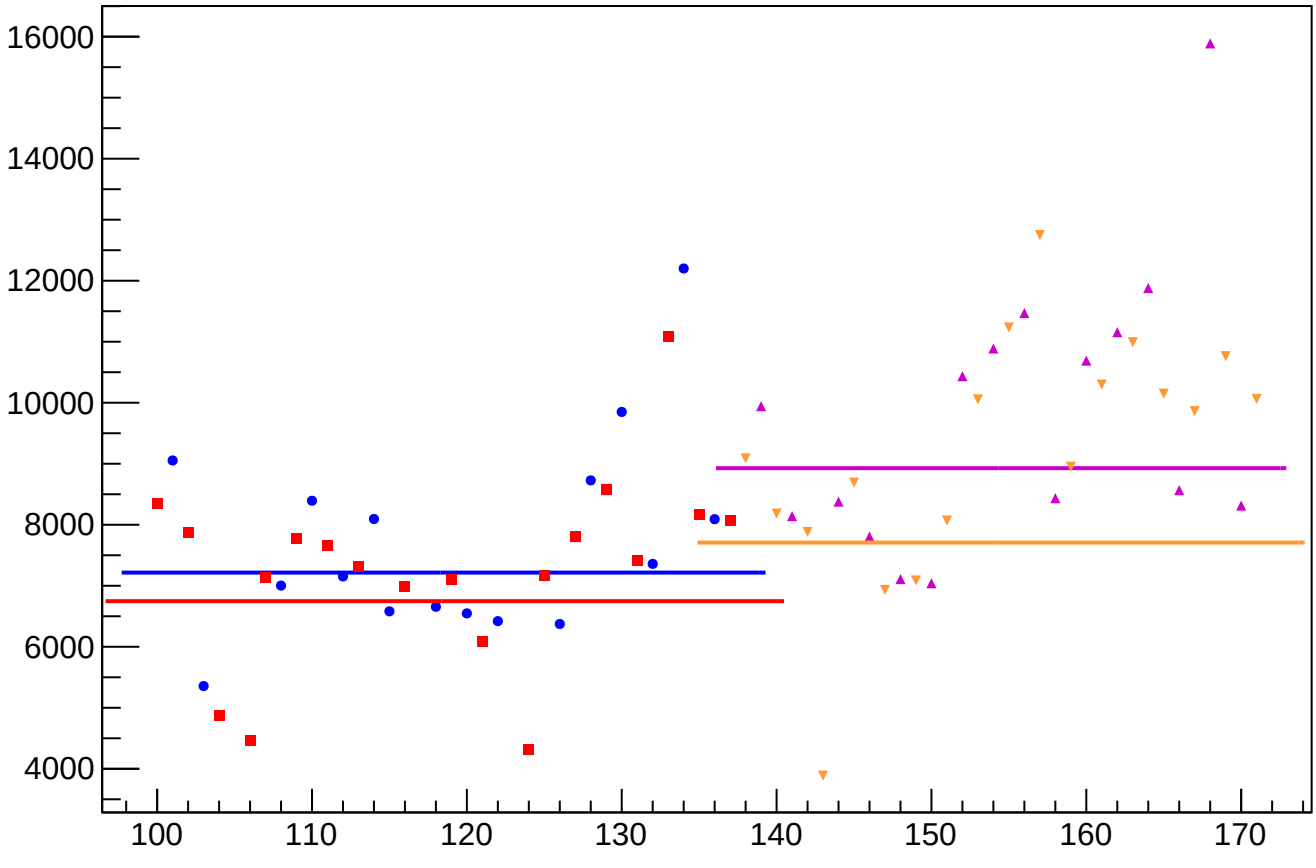
Left: 1226.965+/-1641.252 χ^2/NDF: 32.7/33

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: 104.860+/-1851.719 χ^2/NDF:25.4/31

Out: 148.775+/-1651.618 χ^2/NDF:40.1/36

All: 129.318+/-1232.567 χ^2/NDF: 65.5/68



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: 8927.538+/-1.776 χ^2/NDF:1019367.0/15

Left: 8228.624+/-1.161 χ^2/NDF: 4098963.1/33

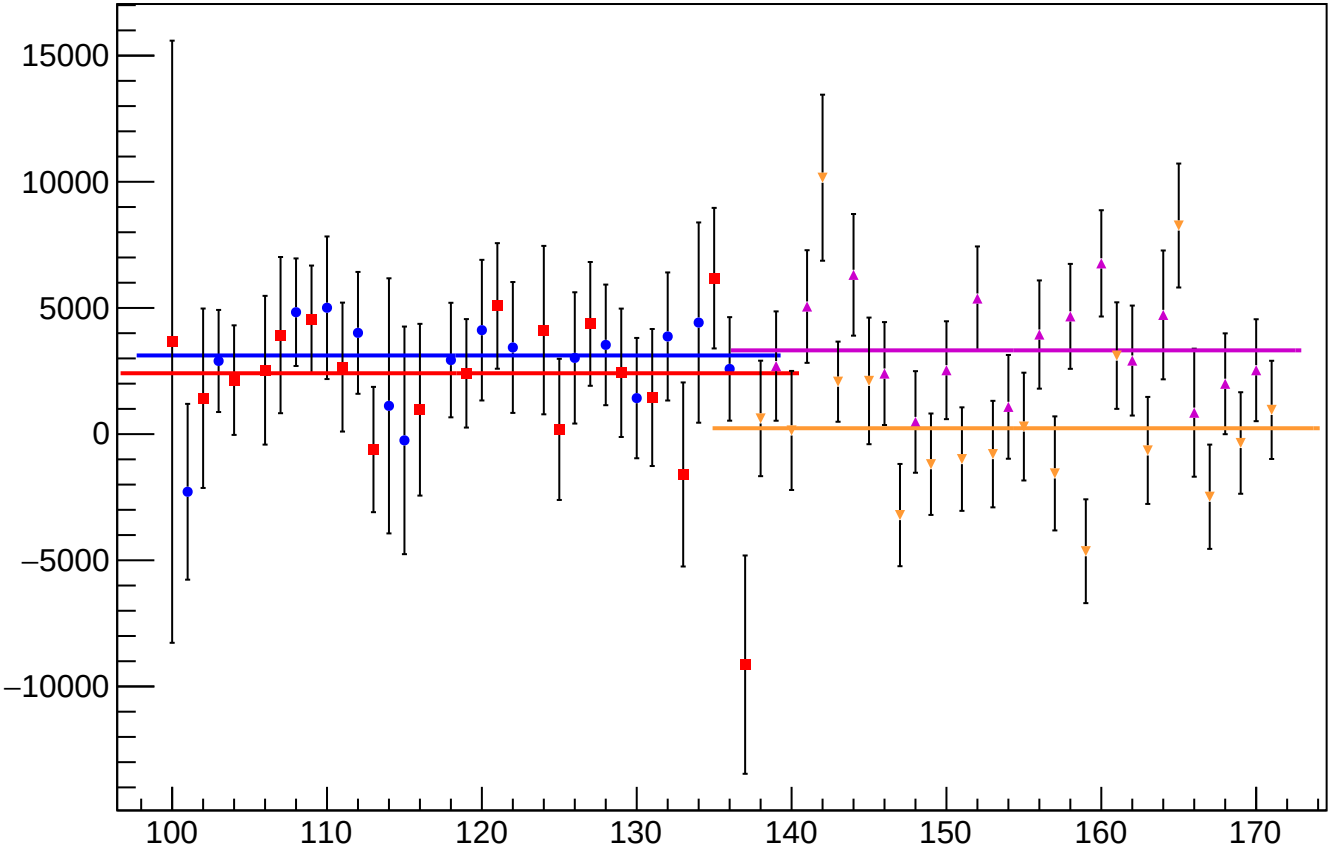
Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8145.834+/-1.309 χ^2/NDF:1955442.8/31

Out: 7305.286+/-1.168 χ^2/NDF:3683073.5/36

All: 7677.706+/-0.872 χ^2/NDF: 5868029.1/68

dit_asym_at2_avg_mean vs Slug, Sign Corrected



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: 3319.792+/-534.589 χ^2/NDF:11.8/15

Left: 1677.099+/-365.634 χ^2/NDF: 65.5/33

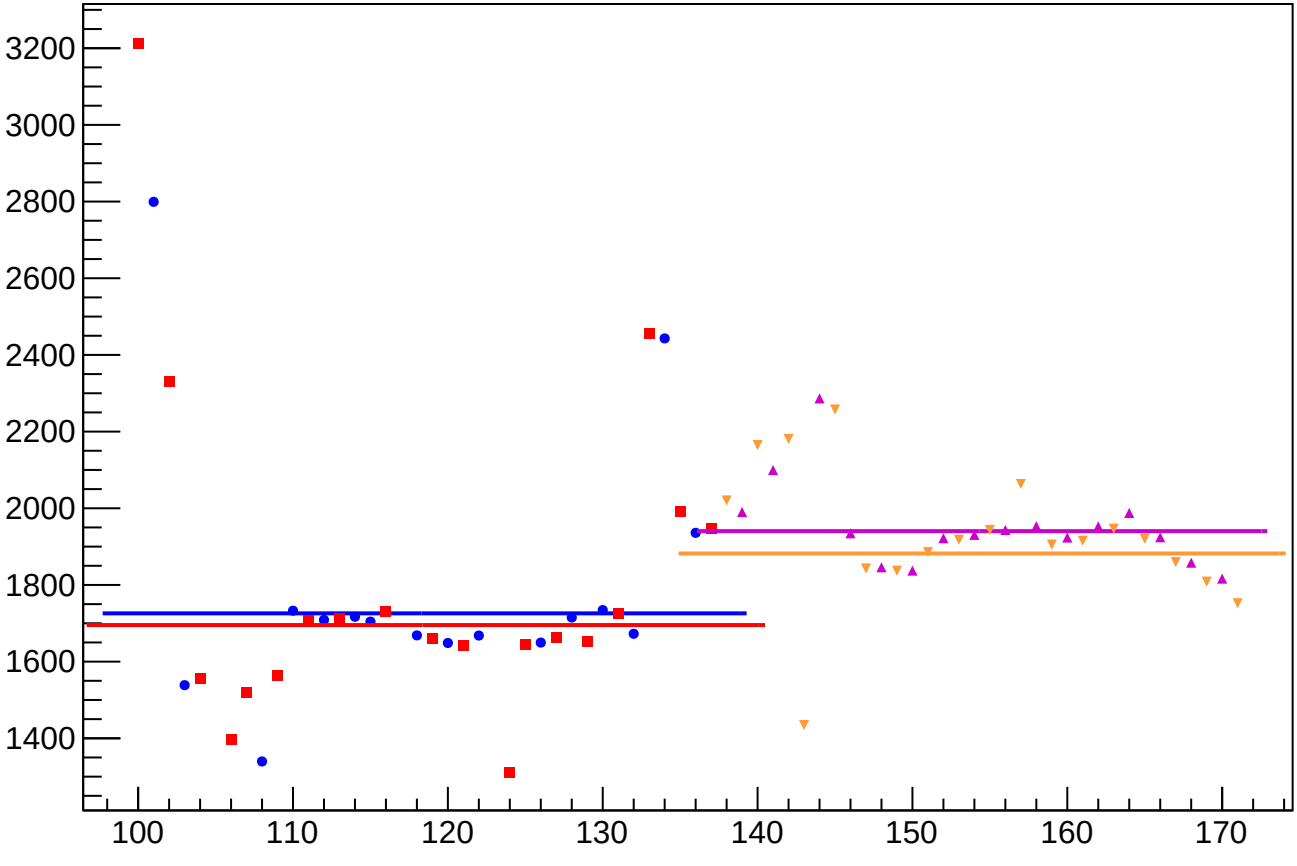
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3238.489+/-413.171 χ^2/NDF:17.2/31

Out: 1063.228+/-394.365 χ^2/NDF:59.1/36

All: 2100.227+/-285.275 χ^2/NDF: 90.8/68

dit_asym_at2_avg_rms vs Slug, Sign Corrected



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: 1940.381+/-0.378 χ^2/NDF:74708.4/15

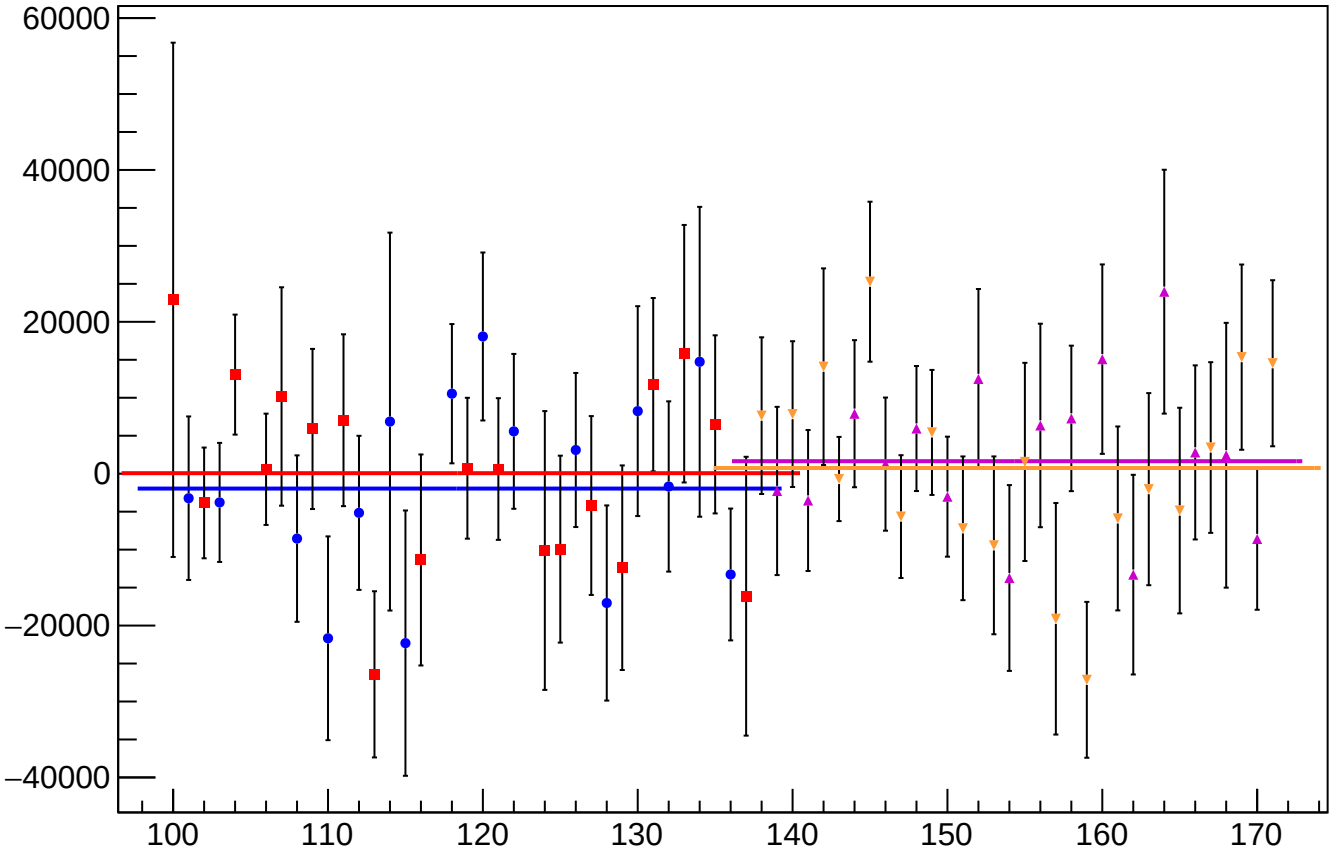
Left: 1909.362+/-0.259 χ^2/NDF: 375232.7/33

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1854.022+/-0.292 χ^2/NDF:569964.9/31

Out: 1810.953+/-0.279 χ^2/NDF:679254.4/36

All: 1831.482+/-0.202 χ^2/NDF: 1260592.6/68



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 748.306+/-2373.753 χ^2/NDF:22.6/17

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 1650.056+/-2644.699 χ^2/NDF:10.0/15

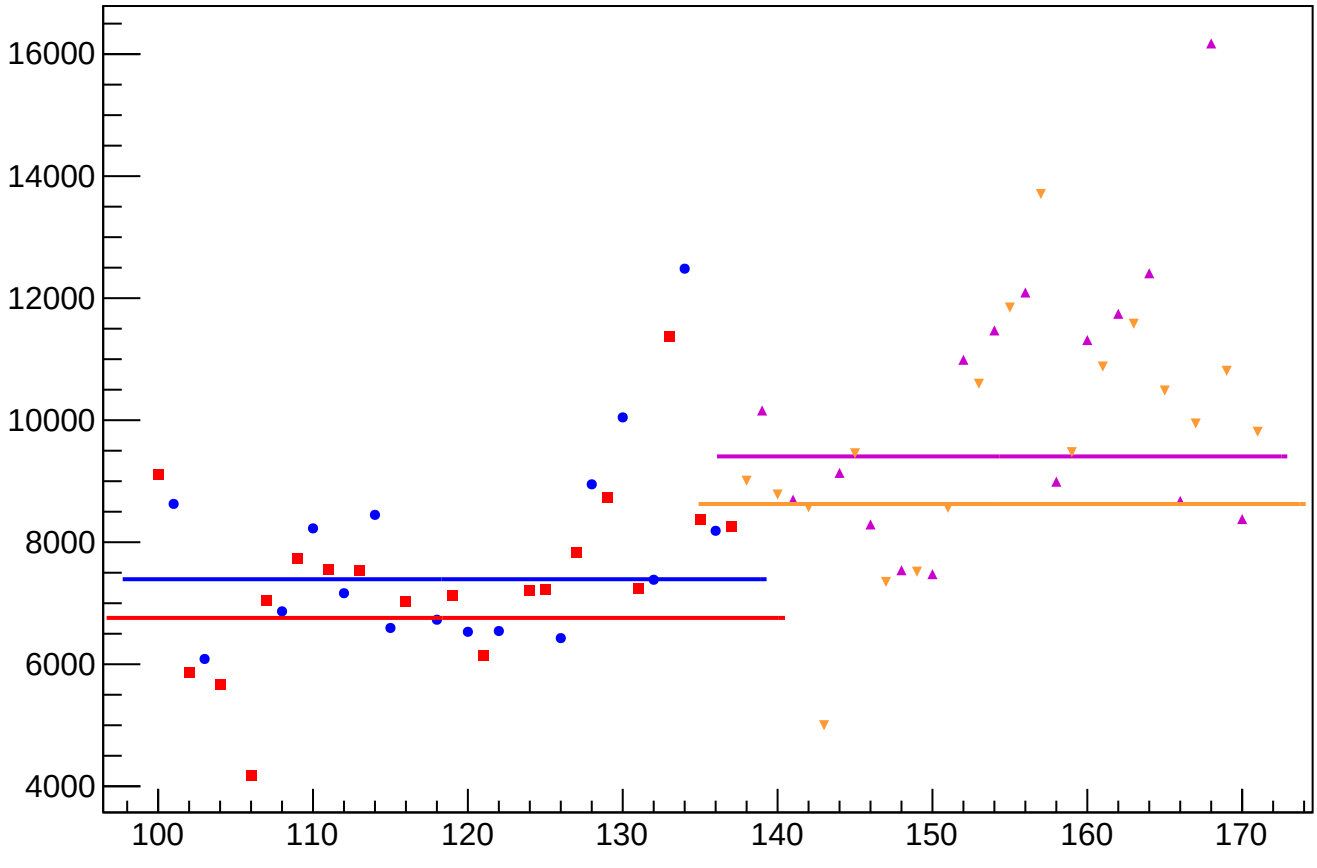
Left: 1150.637+/-1766.546 χ^2/NDF: 32.7/33

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -52.492+/-1922.096 χ^2/NDF:25.2/31

Out: 429.817+/-1730.948 χ^2/NDF:38.8/36

All: 213.831+/-1286.250 χ^2/NDF: 64.1/68



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: 9406.484+/-1.870 χ^2/NDF:967287.3/15

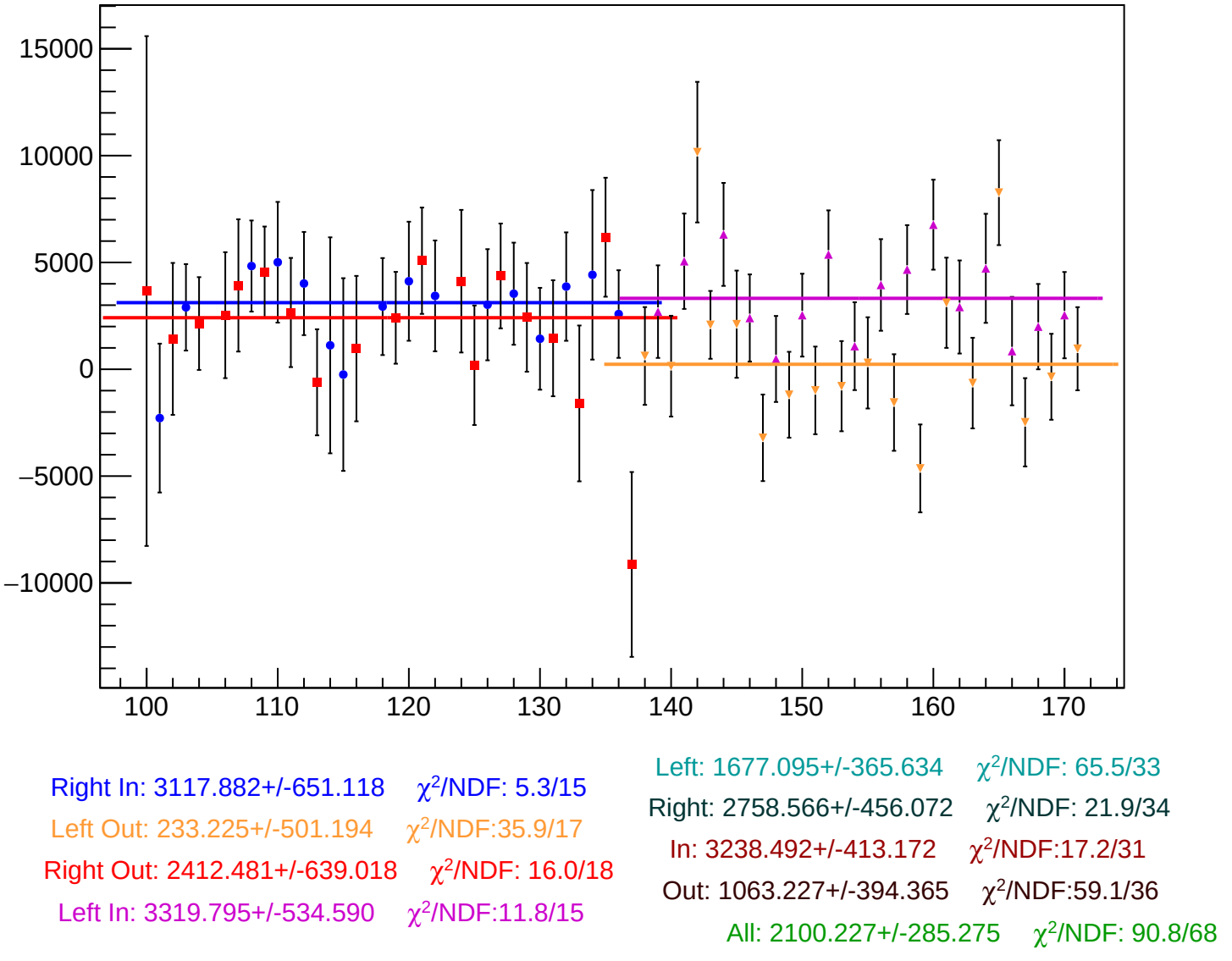
Left: 8974.444+/-1.249 χ^2/NDF: 2766727.6/33

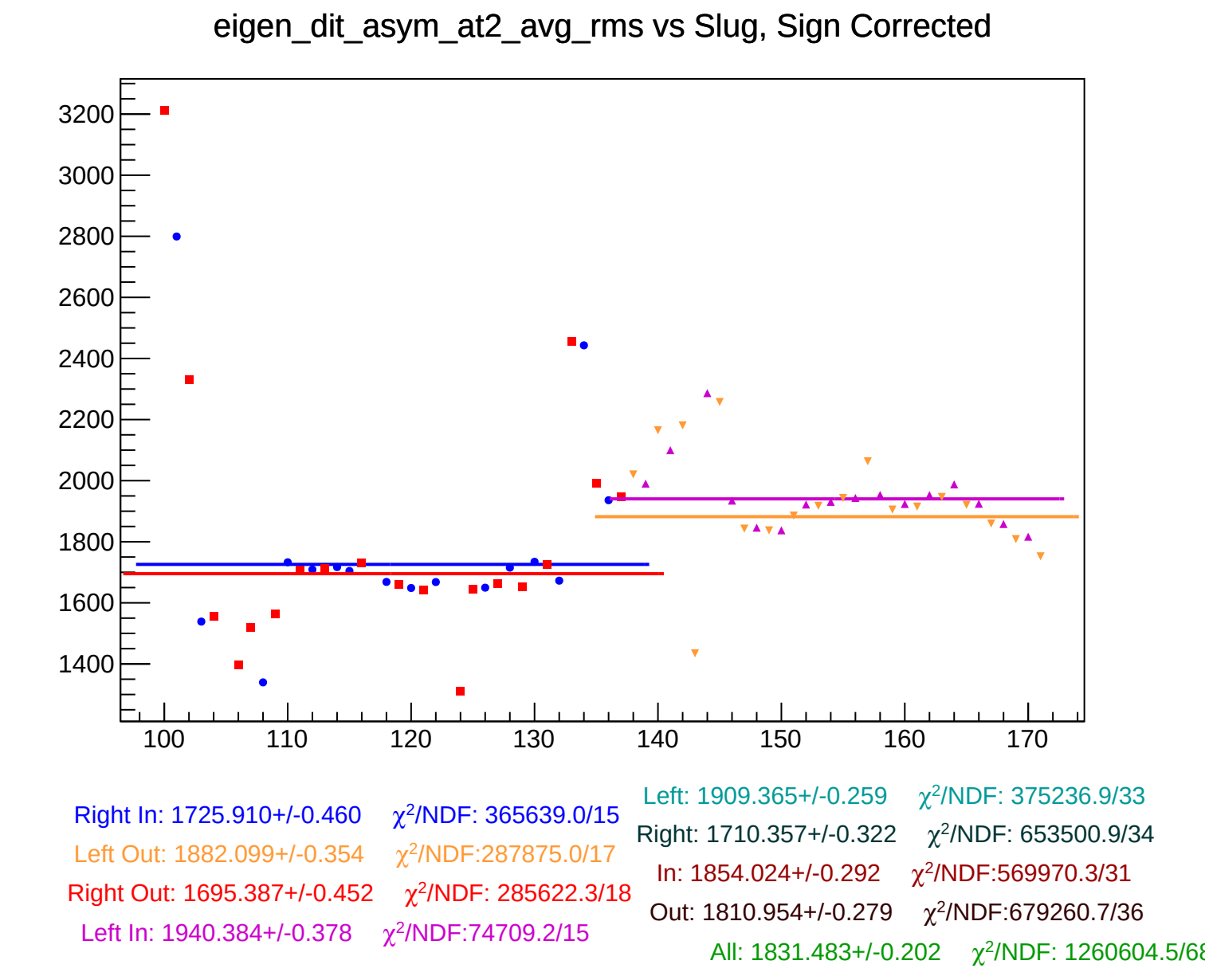
Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

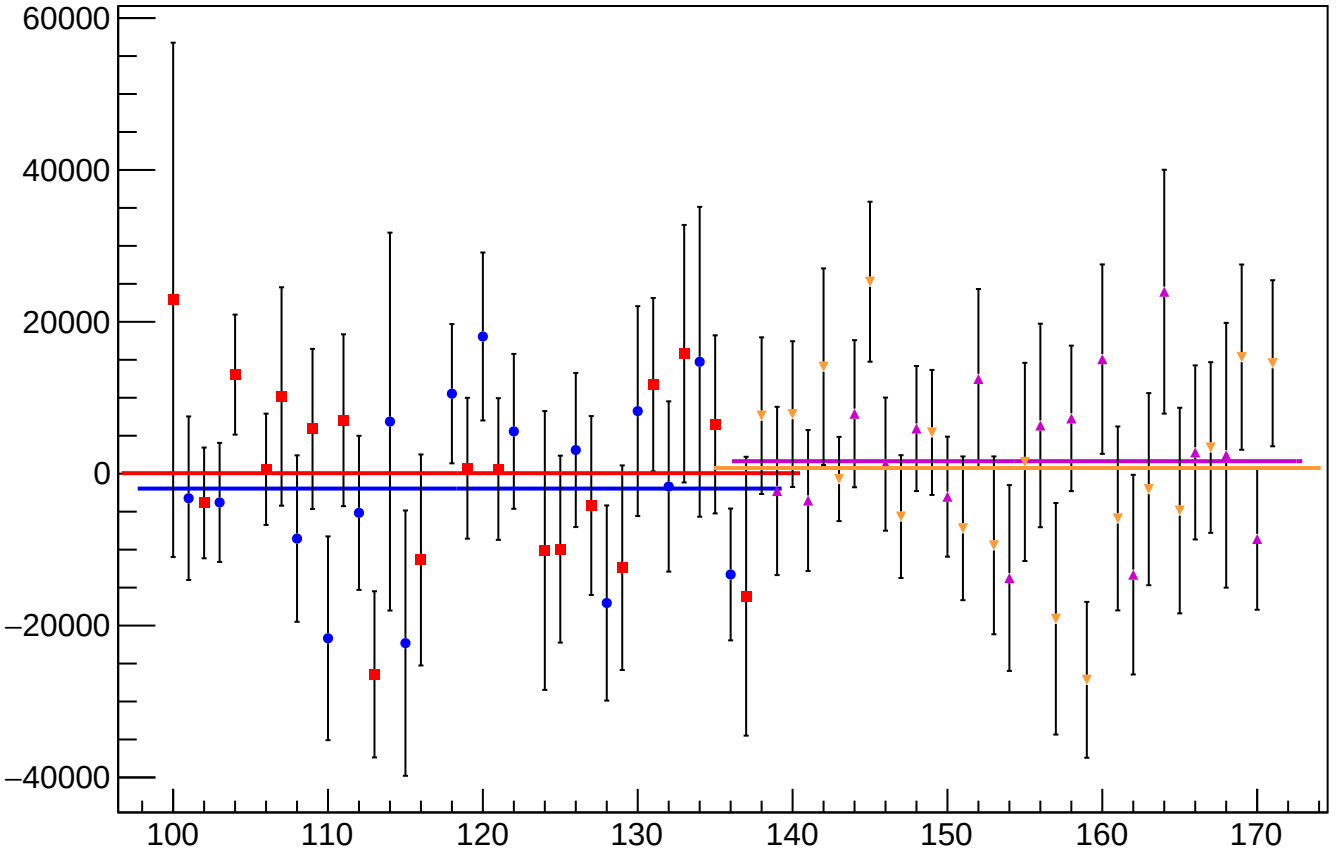
In: 8456.814+/-1.359 χ^2/NDF:1915707.0/31

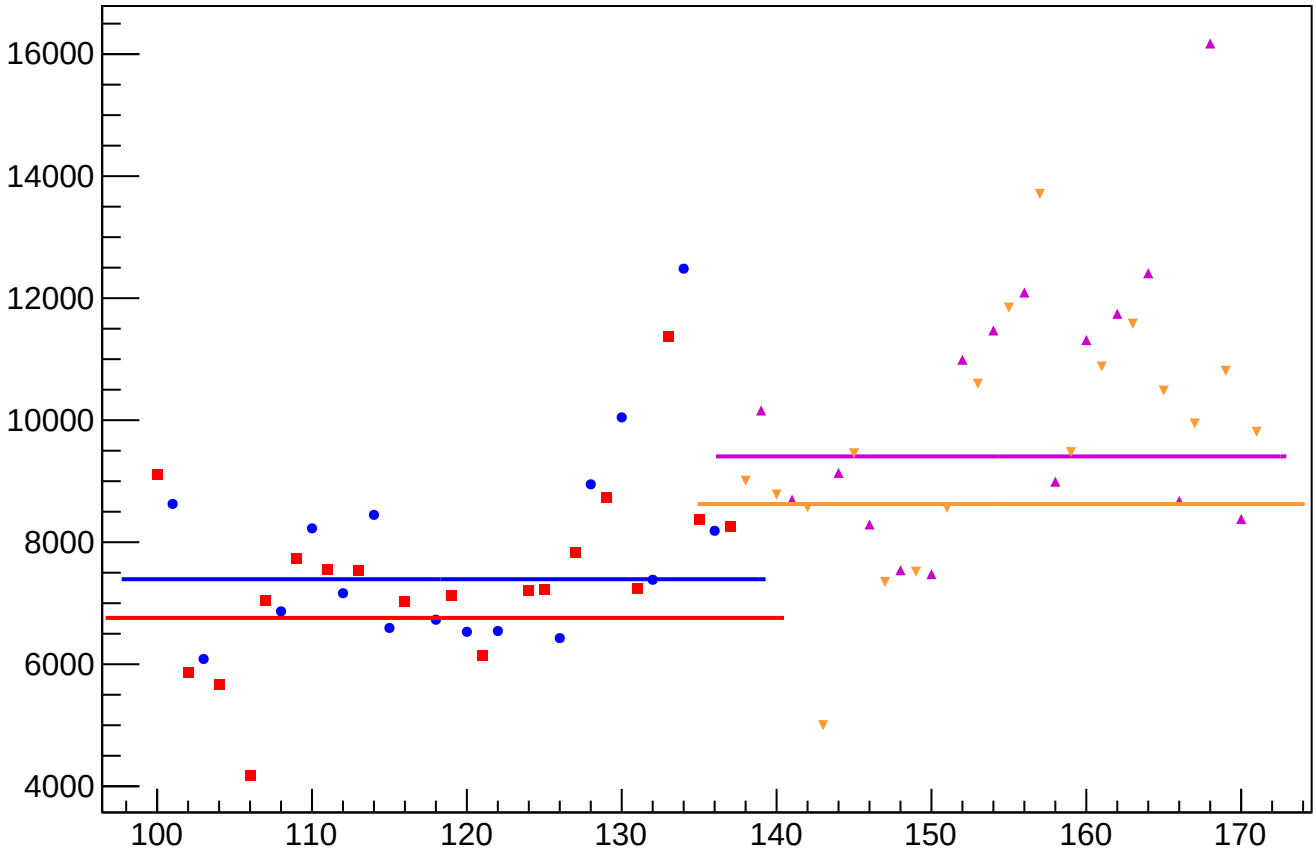
Out: 7752.163+/-1.224 χ^2/NDF:2926683.8/36

All: 8067.718+/-0.910 χ^2/NDF: 4990817.0/68


eigen_dit_asym_at2_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 3117.882+/-651.118 χ²/NDF: 5.3/15
Left Out: 233.225+/-501.194 χ²/NDF:35.9/17
Right Out: 2412.481+/-639.018 χ²/NDF: 16.0/18
Left In: 3319.795+/-534.590 χ²/NDF:11.8/15
Left: 1677.095+/-365.634 χ²/NDF: 65.5/33
Right: 2758.566+/-456.072 χ²/NDF: 21.9/34
In: 3238.492+/-413.172 χ²/NDF:17.2/31
Out: 1063.227+/-394.365 χ²/NDF:59.1/36
All: 2100.227+/-285.275 χ²/NDF: 90.8/68


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1882.099+/-0.354 χ²/NDF:287875.0/17
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1940.384+/-0.378 χ²/NDF:74709.2/15
Left: 1909.365+/-0.259 χ²/NDF: 375236.9/33
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1854.024+/-0.292 χ²/NDF:569970.3/31
Out: 1810.954+/-0.279 χ²/NDF:679260.7/36
All: 1831.483+/-0.202 χ²/NDF: 1260604.5/68


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: 748.300+/-2373.757 χ²/NDF:22.6/17
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 1650.053+/-2644.703 χ²/NDF:10.0/15
Left: 1150.632+/-1766.549 χ²/NDF: 32.7/33
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -52.490+/-1922.095 χ²/NDF:25.2/31
Out: 429.816+/-1730.948 χ²/NDF:38.8/36
All: 213.831+/-1286.250 χ²/NDF: 64.1/68



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: 9406.496+/-1.870 χ^2/NDF:967289.6/15

Left: 8974.457+/-1.249 χ^2/NDF: 2766729.7/33

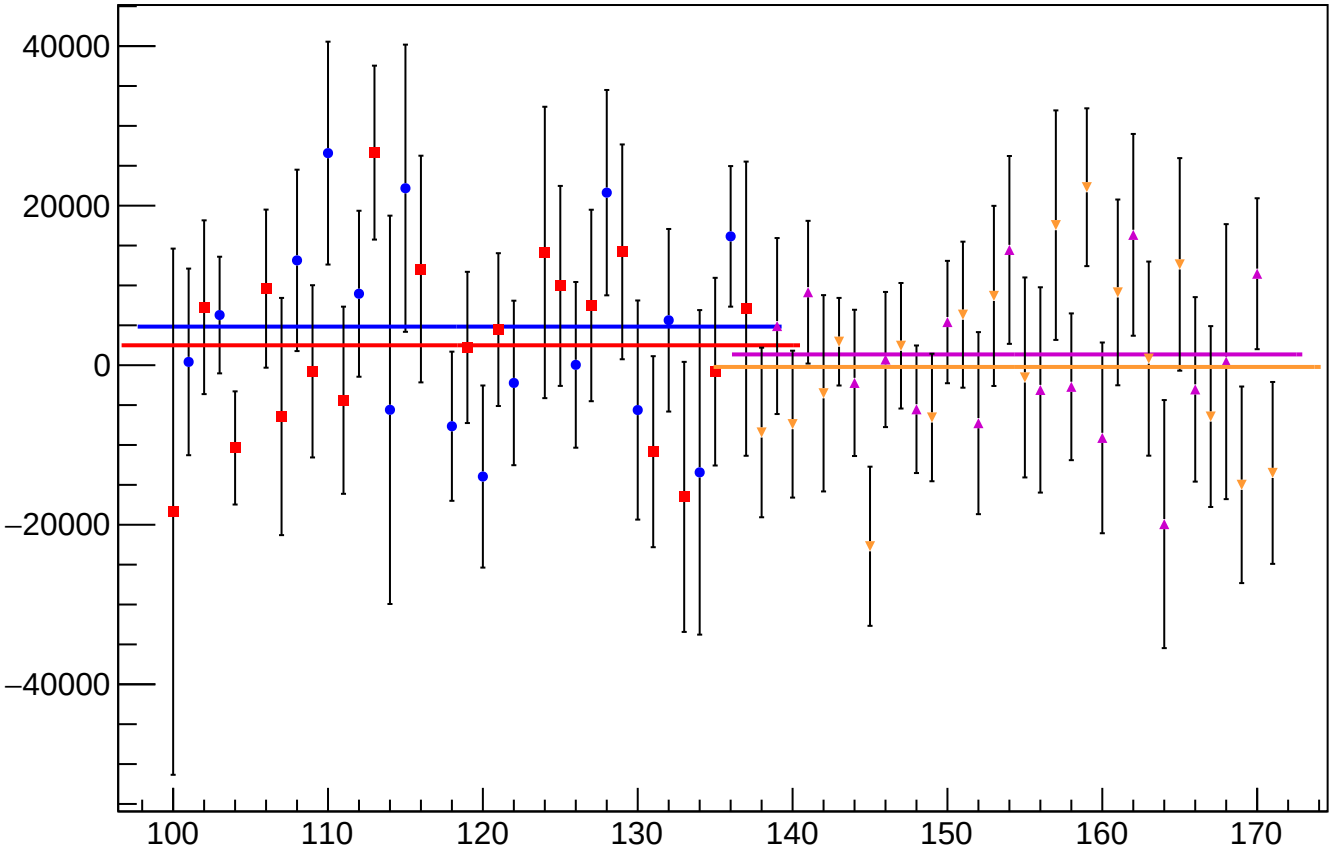
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8456.808+/-1.359 χ^2/NDF:1915728.4/31

Out: 7752.160+/-1.224 χ^2/NDF:2926700.5/36

All: 8067.714+/-0.910 χ^2/NDF: 4990854.3/68

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: 1351.736+/-2570.511 χ^2/NDF:9.5/15

Left: 487.549+/-1723.529 χ^2/NDF: 29.7/33

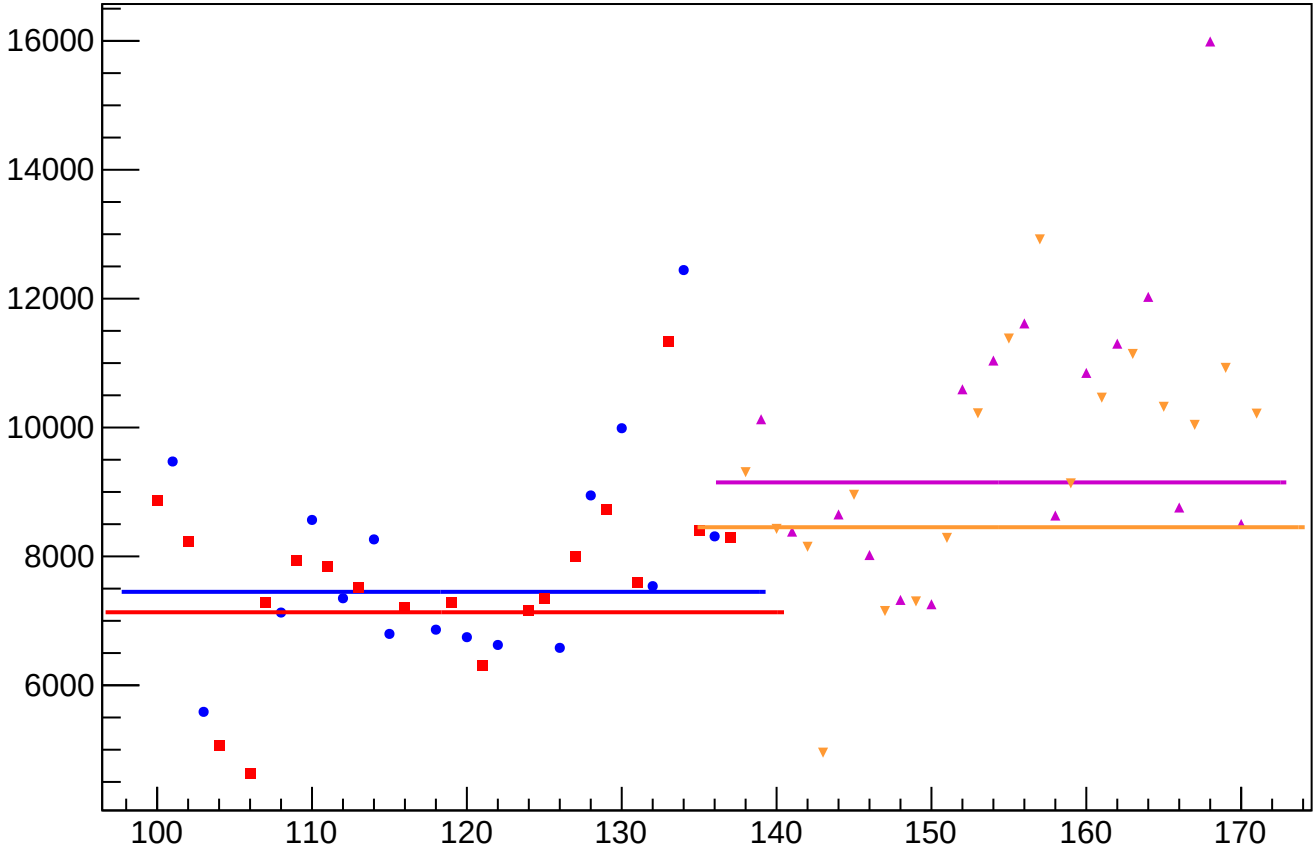
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 2928.322+/-1902.437 χ^2/NDF:24.7/31

Out: 938.466+/-1759.743 χ^2/NDF:35.5/36

All: 1855.979+/-1291.830 χ^2/NDF: 60.7/68

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: 9148.326+/-1.818 χ^2/NDF:954442.4/15

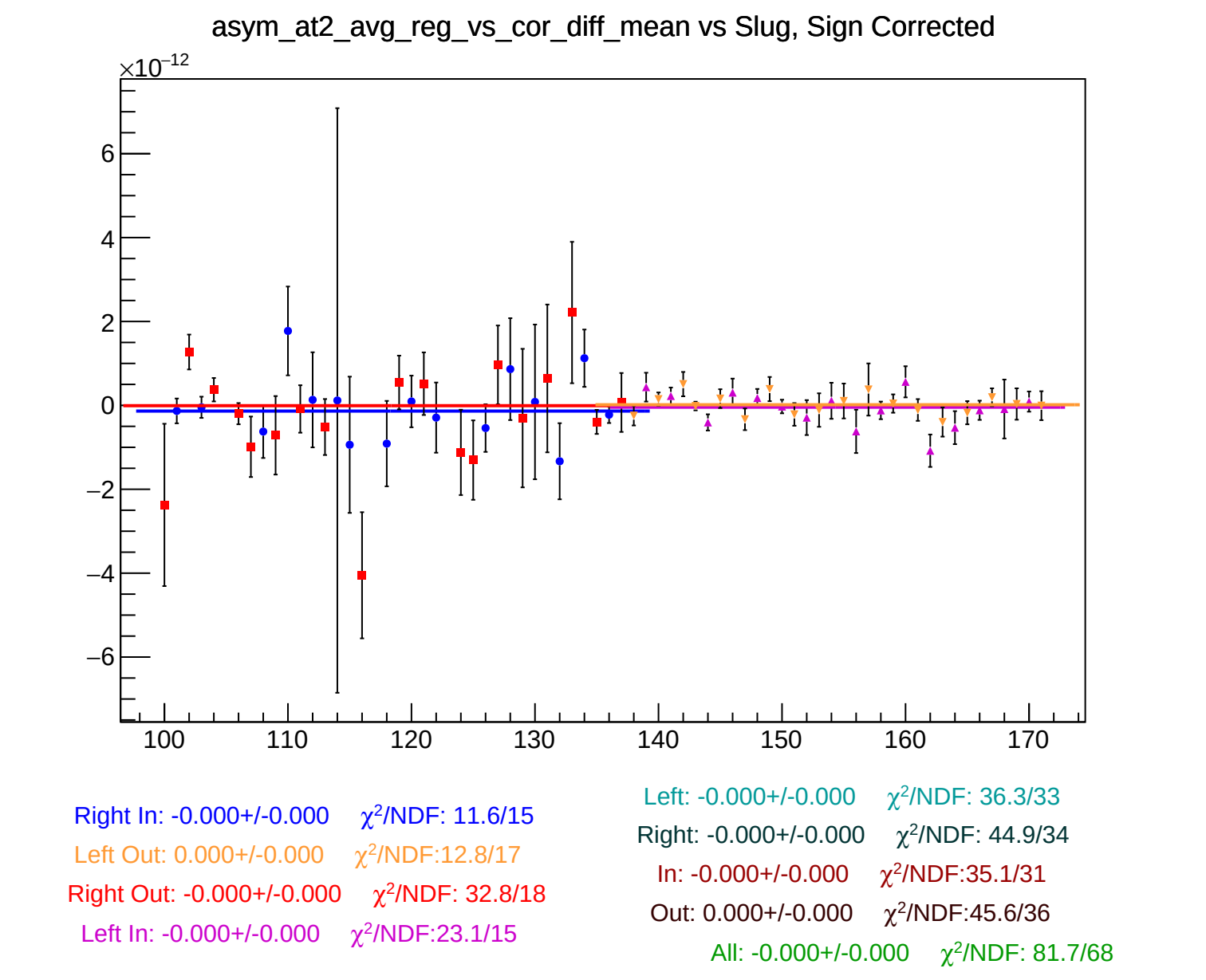
Left: 8765.486+/-1.219 χ^2/NDF: 2687798.2/33

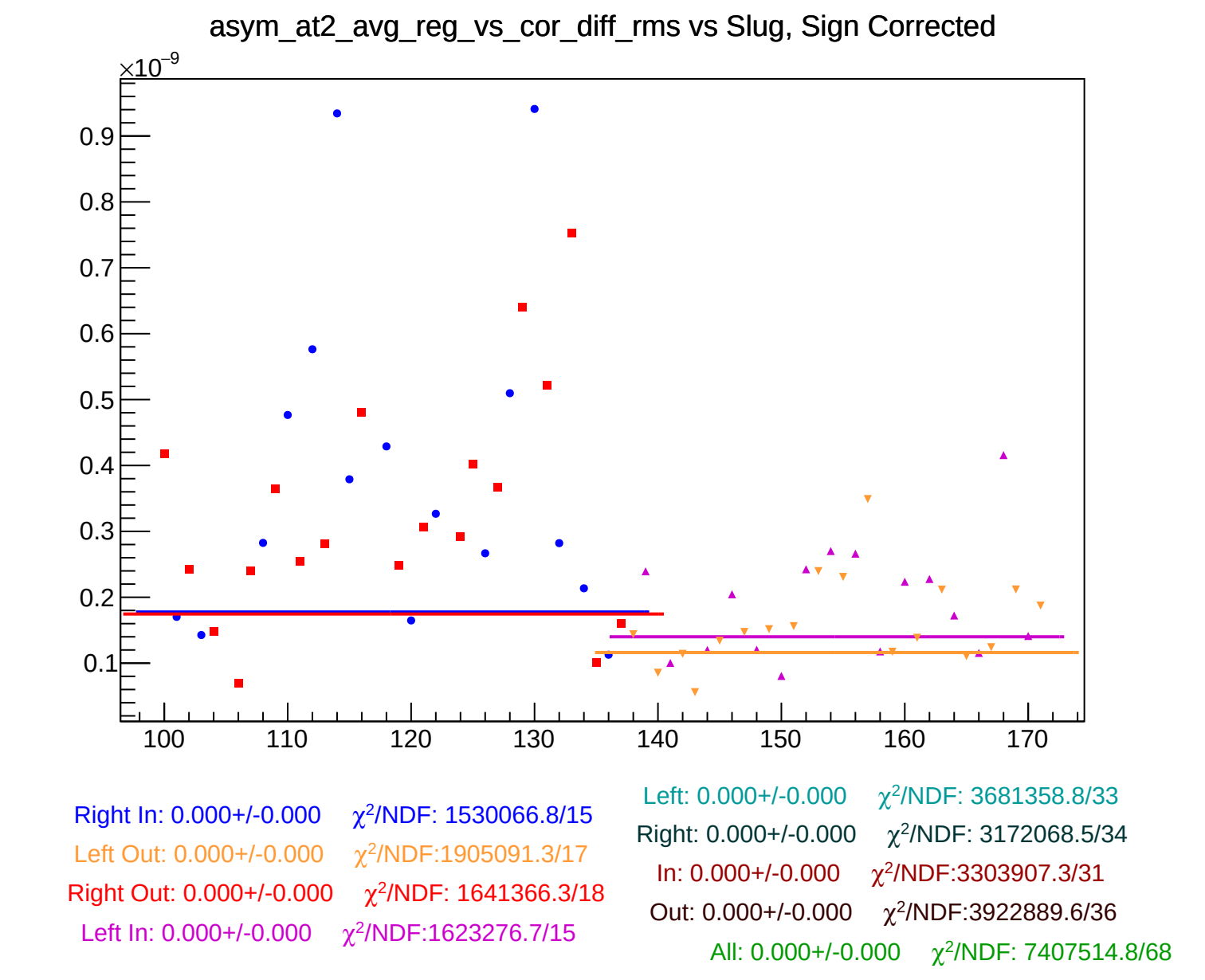
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8380.242+/-1.345 χ^2/NDF:1835713.1/31

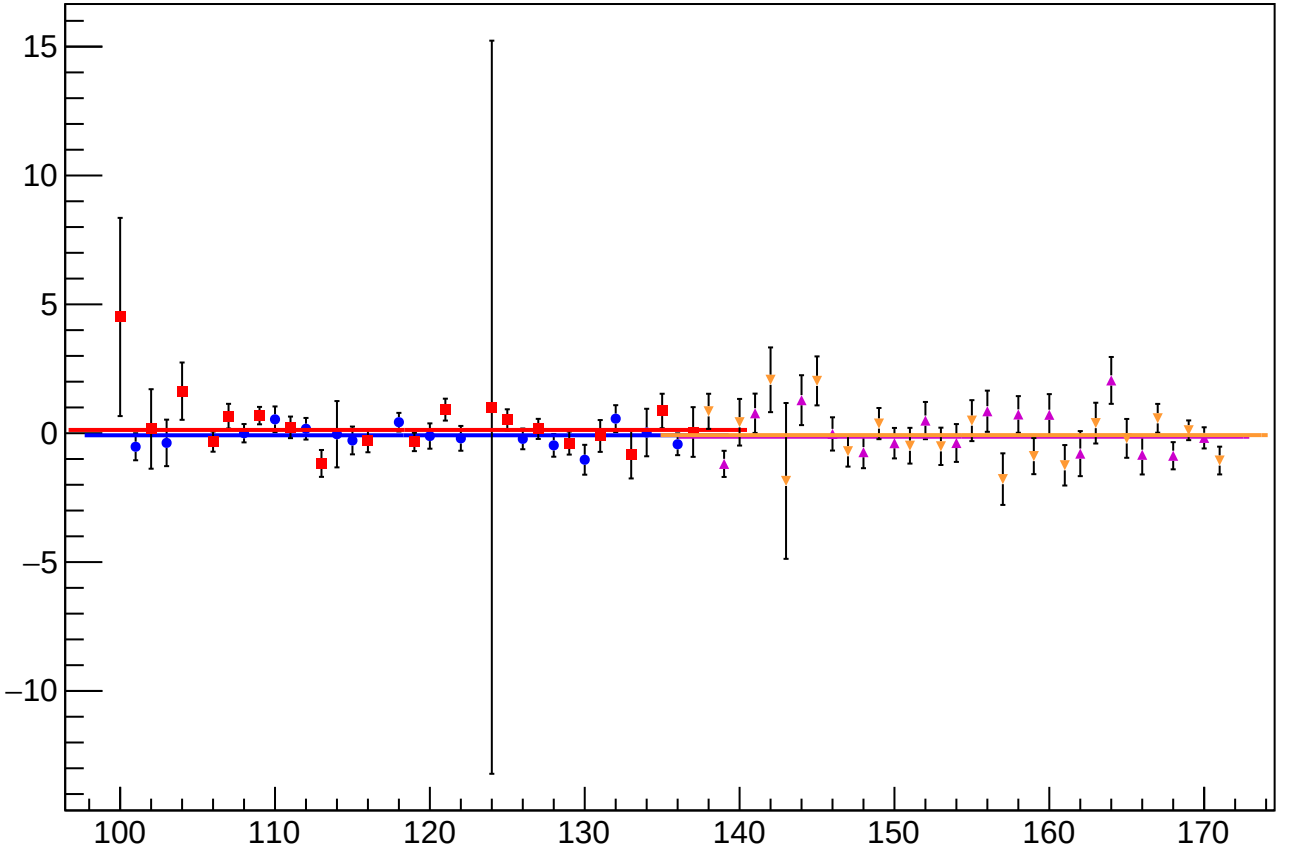
Out: 7890.306+/-1.244 χ^2/NDF:2484842.2/36

All: 8116.207+/-0.913 χ^2/NDF: 4392040.1/68


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: 0.000+/-0.000 χ²/NDF:12.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:23.1/15
Left: -0.000+/-0.000 χ²/NDF: 36.3/33
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:35.1/31
Out: 0.000+/-0.000 χ²/NDF:45.6/36
All: -0.000+/-0.000 χ²/NDF: 81.7/68


asym_at2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1530066.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1905091.3/17
Right Out: 0.000+/-0.000 χ²/NDF: 1641366.3/18
Left In: 0.000+/-0.000 χ²/NDF:1623276.7/15
Left: 0.000+/-0.000 χ²/NDF: 3681358.8/33
Right: 0.000+/-0.000 χ²/NDF: 3172068.5/34
In: 0.000+/-0.000 χ²/NDF:3303907.3/31
Out: 0.000+/-0.000 χ²/NDF:3922889.6/36
All: 0.000+/-0.000 χ²/NDF: 7407514.8/68

asym_at2_avg_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: -0.136+/-0.164 χ^2/NDF:23.2/15

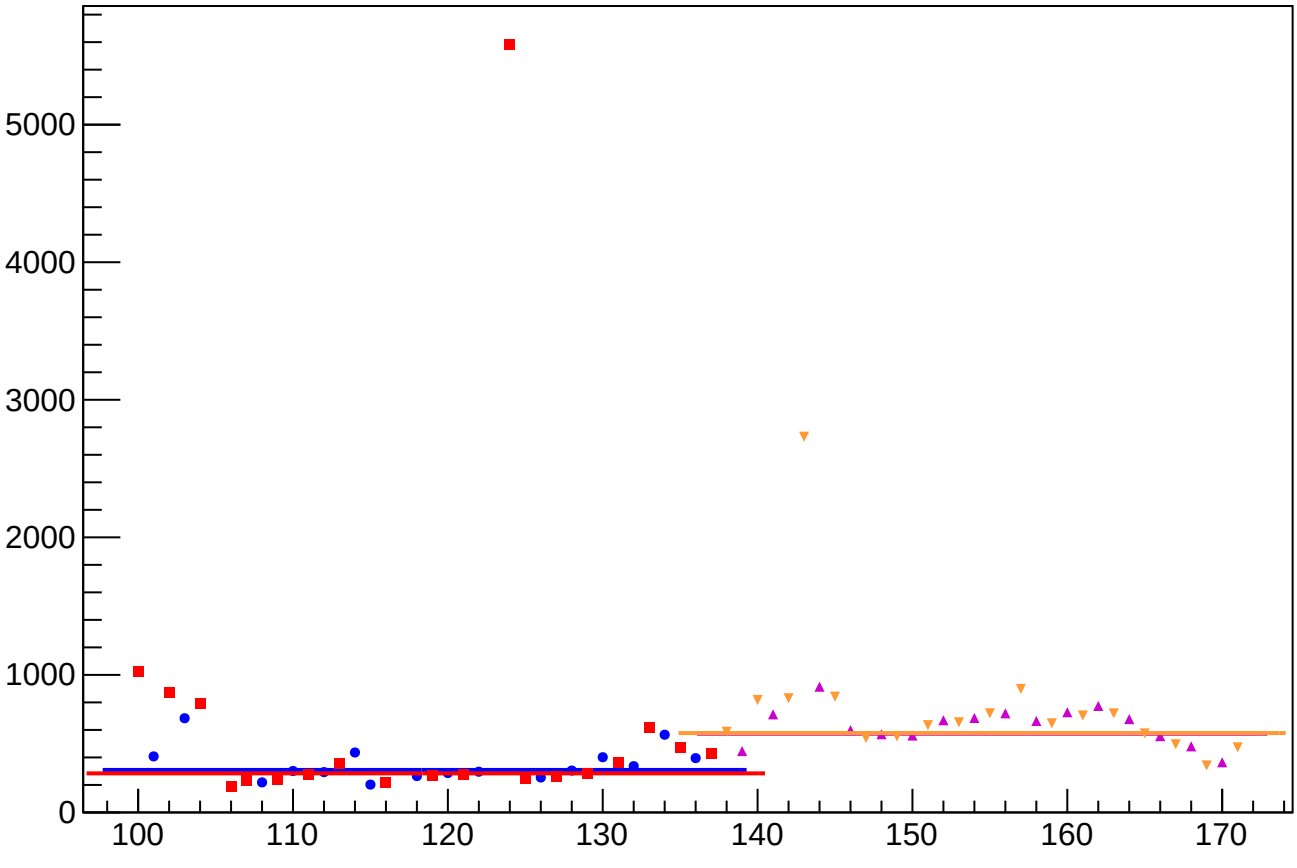
Left: -0.104+/-0.115 χ^2/NDF: 48.2/33

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.018+/-0.068 χ^2/NDF: 86.6/68



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: 572.358+/-0.116 χ^2/NDF:1416561.5/15

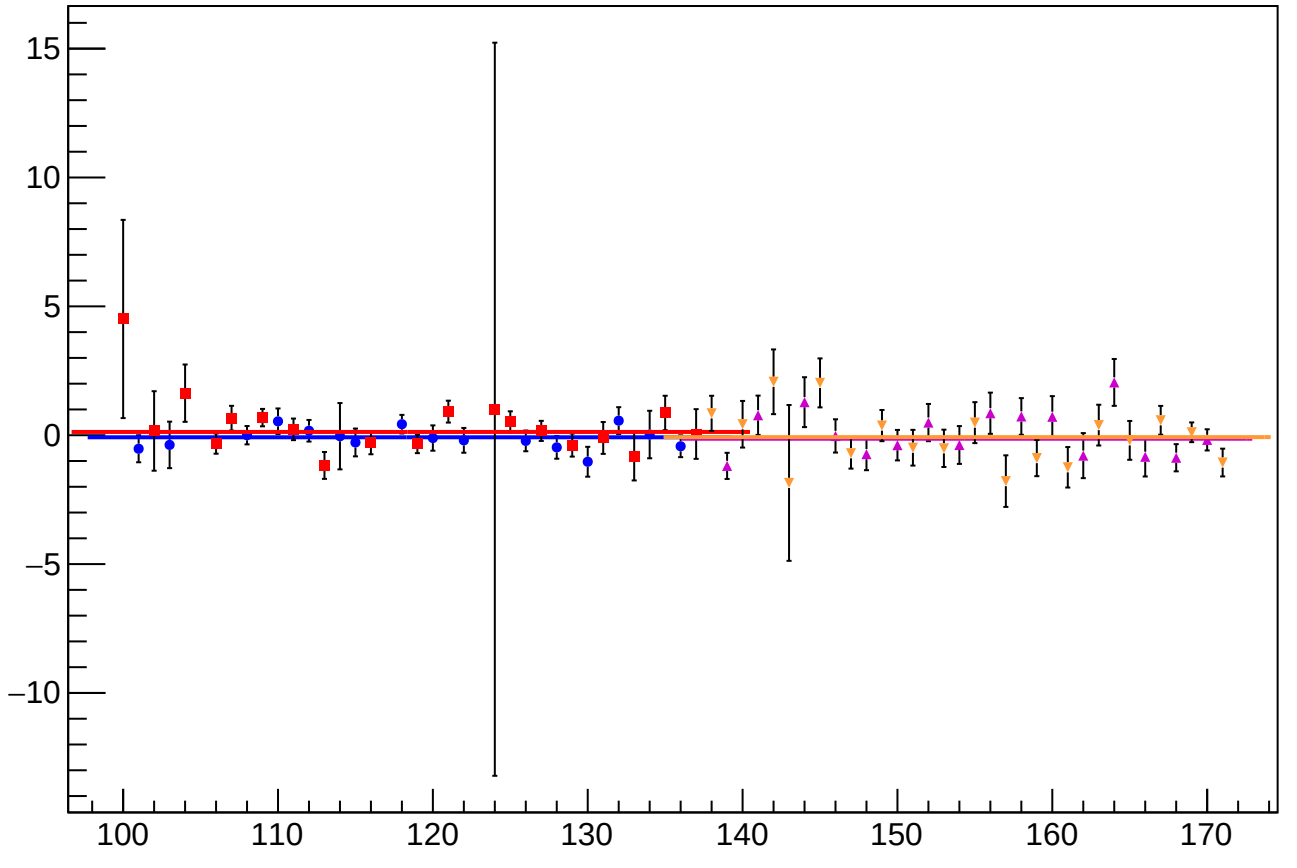
Left: 574.750+/-0.082 χ^2/NDF: 4140974.4/33

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.674+/-0.069 χ^2/NDF:5748911.9/31

Out: 384.044+/-0.067 χ^2/NDF:8859832.2/36

All: 393.076+/-0.048 χ^2/NDF: 14646104.4/68



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: -0.136+/-0.164 χ^2/NDF:23.2/15

Left: -0.104+/-0.115 χ^2/NDF: 48.2/33

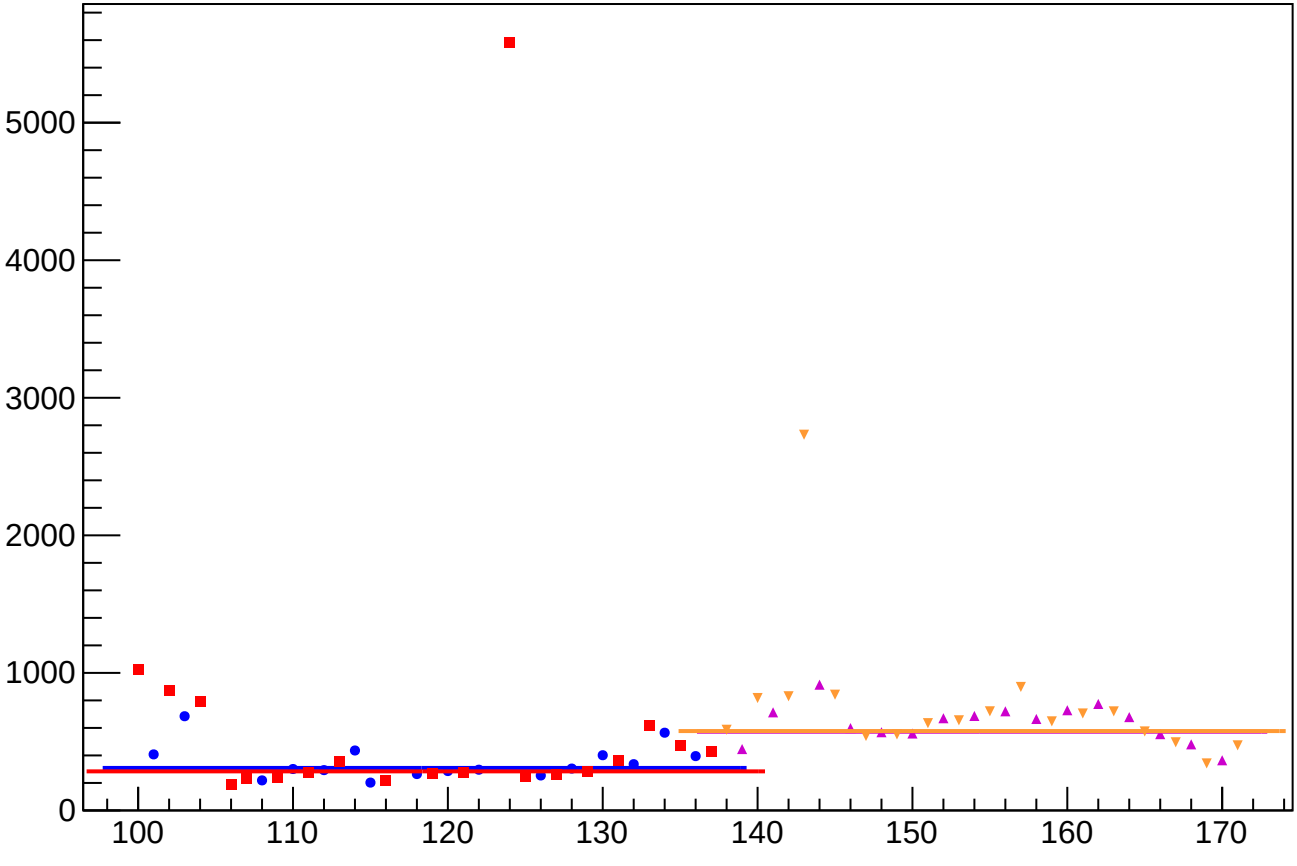
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.018+/-0.068 χ^2/NDF: 86.6/68

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 572.358+/-0.116 χ^2/NDF:1416561.5/15

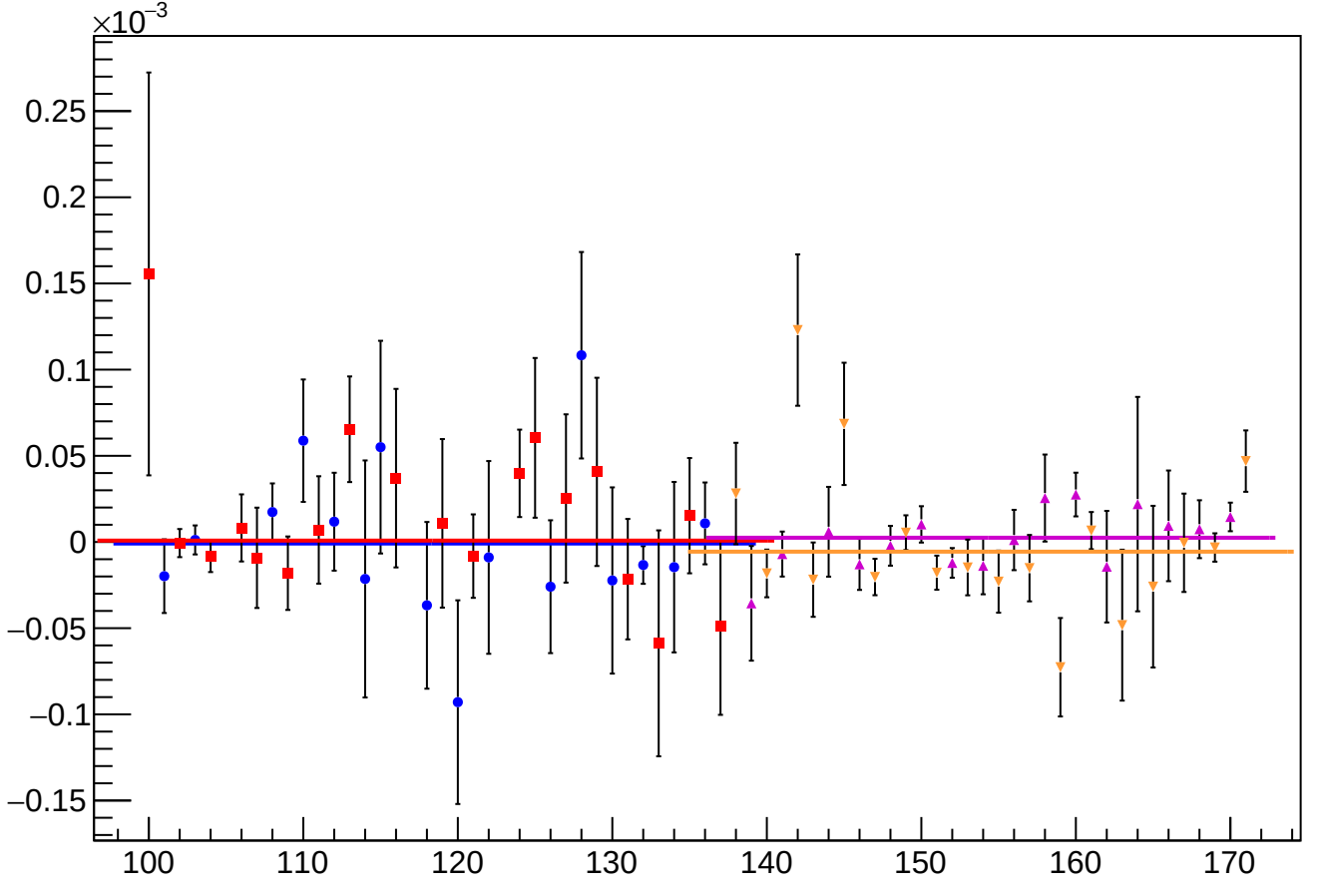
Left: 574.750+/-0.082 χ^2/NDF: 4140974.4/33

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 402.674+/-0.069 χ^2/NDF:5748911.9/31

Out: 384.044+/-0.067 χ^2/NDF:8859832.2/36

All: 393.076+/-0.048 χ^2/NDF: 14646104.4/68



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:14.8/15

Left: -0.000+/-0.000 χ^2/NDF: 55.9/33

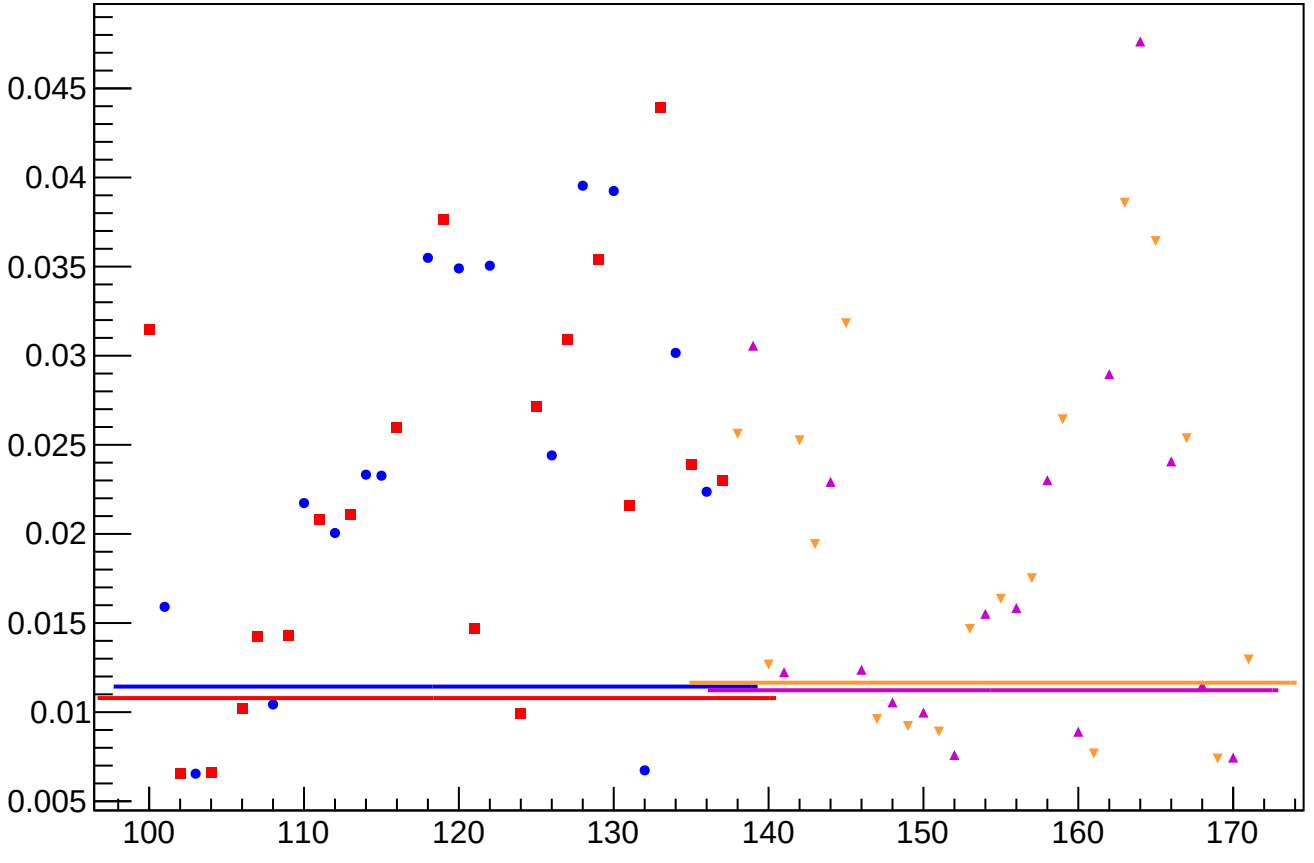
Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:29.6/31

Out: -0.000+/-0.000 χ^2/NDF:55.8/36

All: -0.000+/-0.000 χ^2/NDF: 86.8/68

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:4293091.0/15

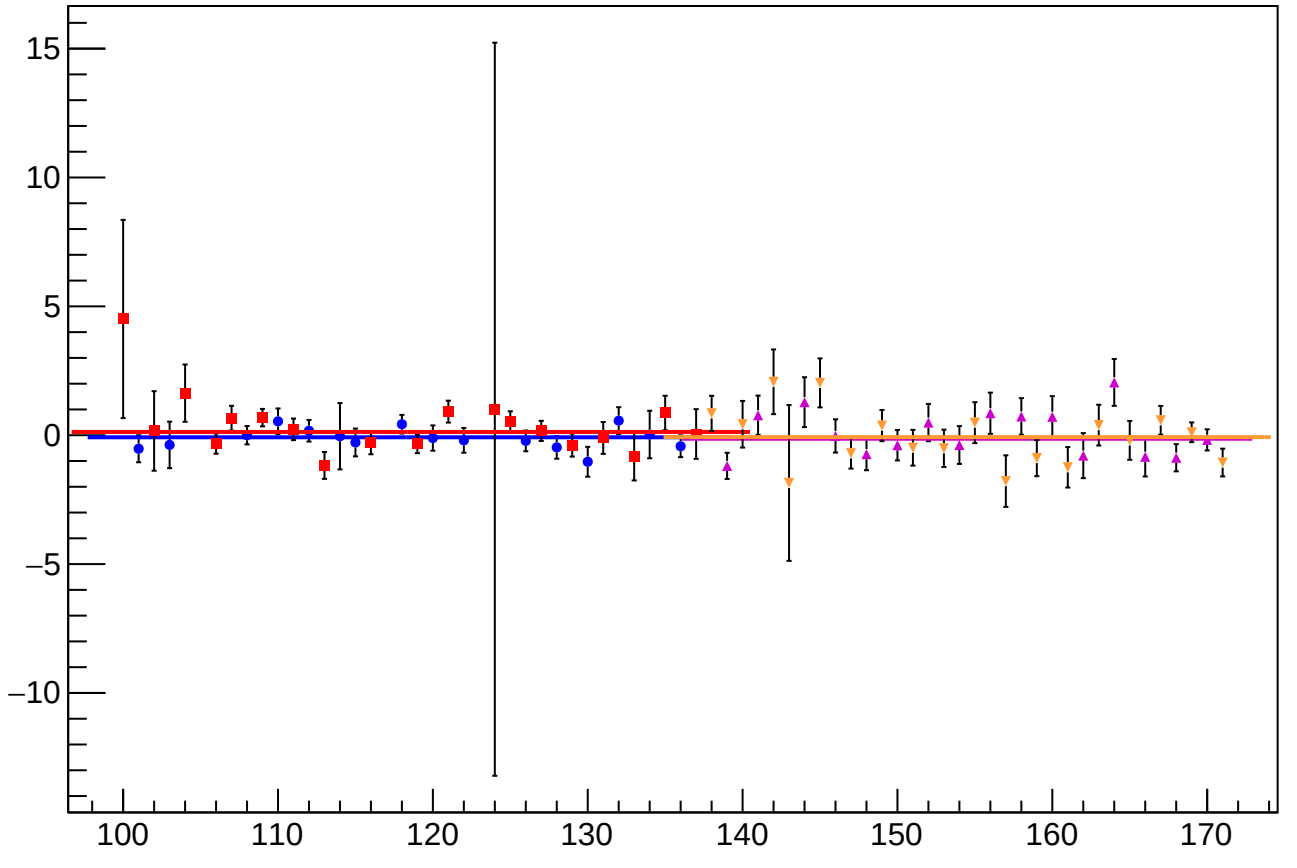
Left: 0.011+/-0.000 χ^2/NDF: 9733409.1/33

Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.011+/-0.000 χ^2/NDF:8995084.3/31

Out: 0.011+/-0.000 χ^2/NDF:9941168.3/36

All: 0.011+/-0.000 χ^2/NDF: 18936607.8/68



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: -0.136+/-0.164 χ^2/NDF:23.2/15

Left: -0.104+/-0.115 χ^2/NDF: 48.2/33

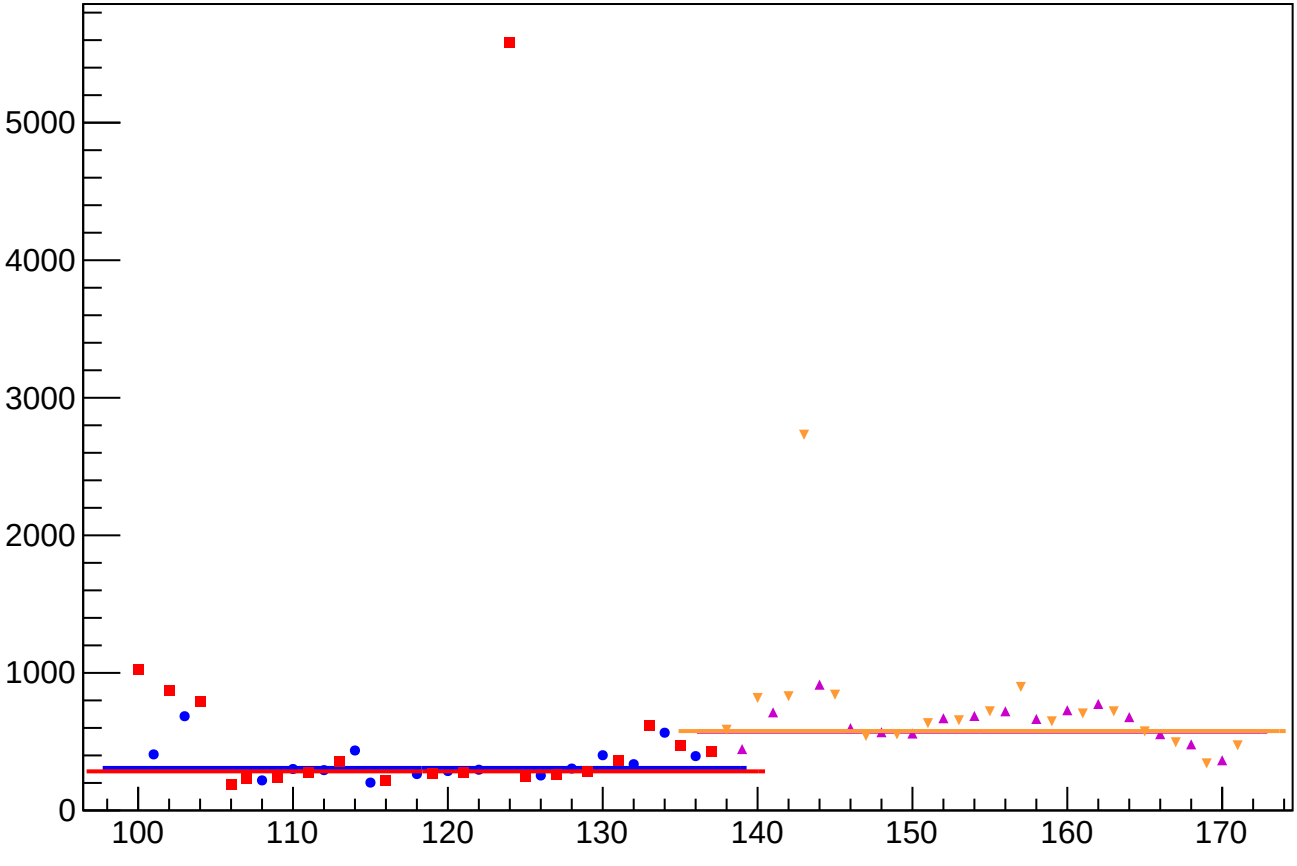
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.018+/-0.068 χ^2/NDF: 86.6/68

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 577.101+/-0.115 χ^2/NDF:2723678.3/17

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 572.365+/-0.116 χ^2/NDF:1416586.3/15

Left: 574.755+/-0.082 χ^2/NDF: 4141105.1/33

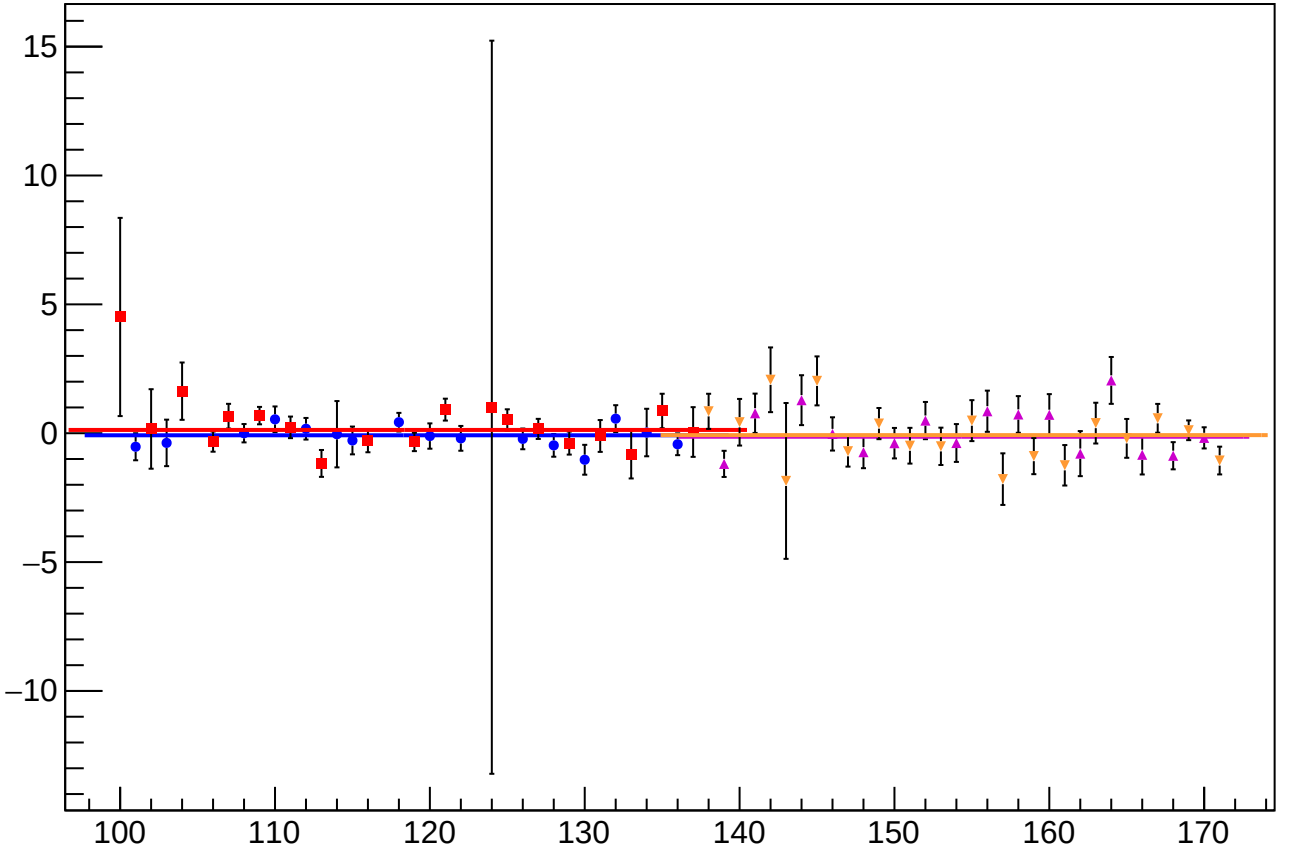
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.674+/-0.069 χ^2/NDF:5749061.9/31

Out: 384.043+/-0.067 χ^2/NDF:8859996.0/36

All: 393.076+/-0.048 χ^2/NDF: 14646421.5/68

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: -0.136+/-0.164 χ^2/NDF:23.2/15

Left: -0.104+/-0.115 χ^2/NDF: 48.2/33

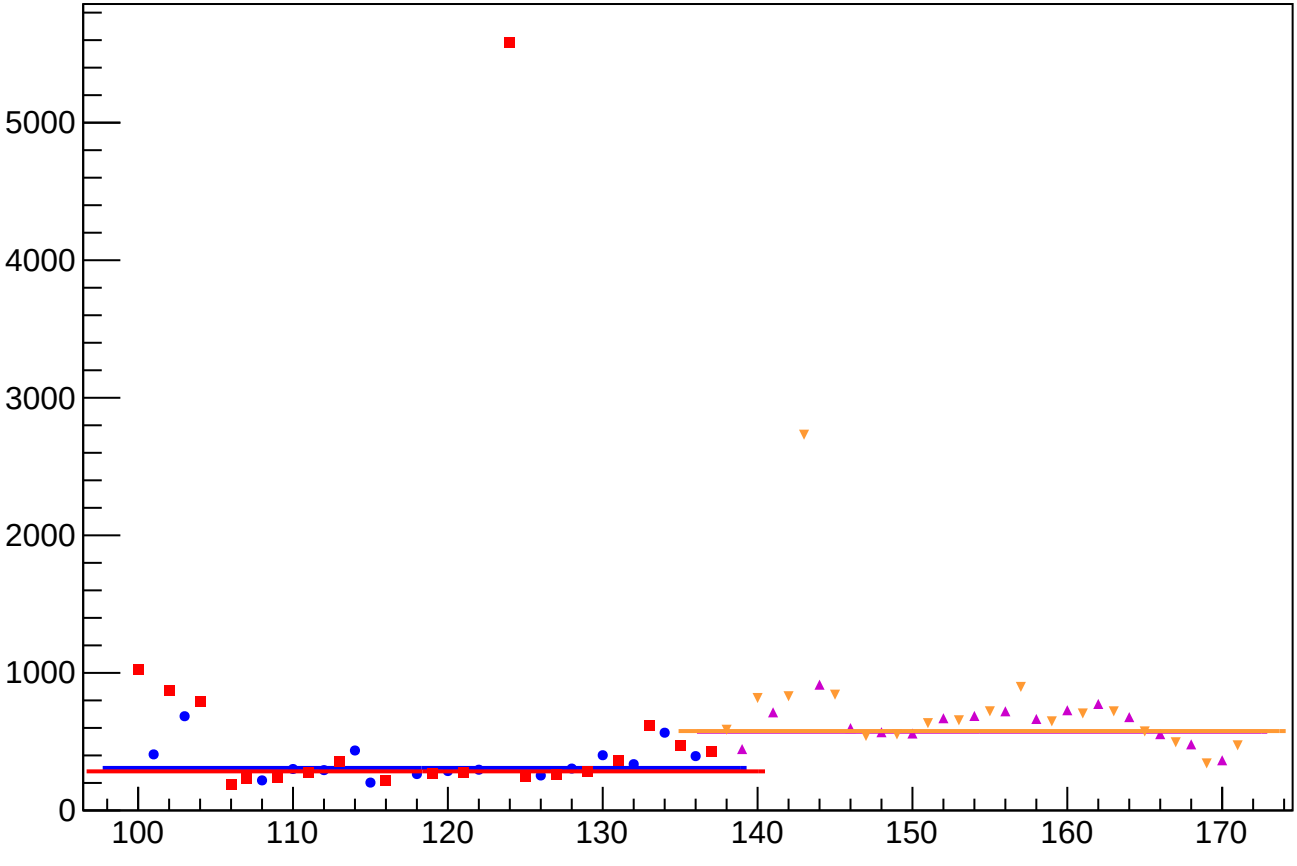
Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.100+/-0.098 χ^2/NDF:34.0/31

Out: 0.059+/-0.095 χ^2/NDF:51.3/36

All: -0.018+/-0.068 χ^2/NDF: 86.6/68

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 577.101+/-0.115 χ^2/NDF:2723678.3/17

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 572.365+/-0.116 χ^2/NDF:1416586.3/15

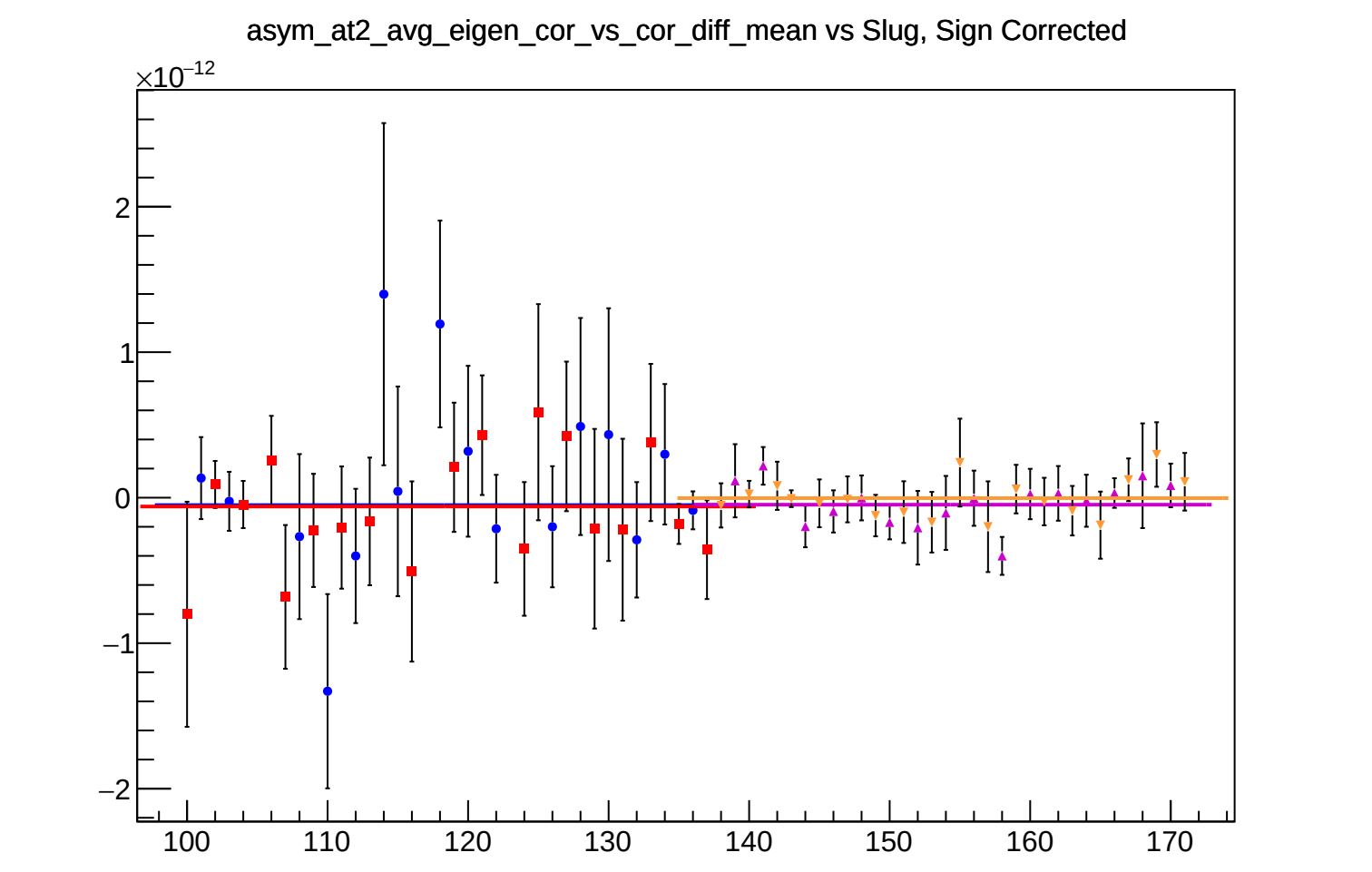
Left: 574.755+/-0.082 χ^2/NDF: 4141105.1/33

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 402.674+/-0.069 χ^2/NDF:5749061.9/31

Out: 384.043+/-0.067 χ^2/NDF:8859996.0/36

All: 393.076+/-0.048 χ^2/NDF: 14646421.5/68



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:16.9/15

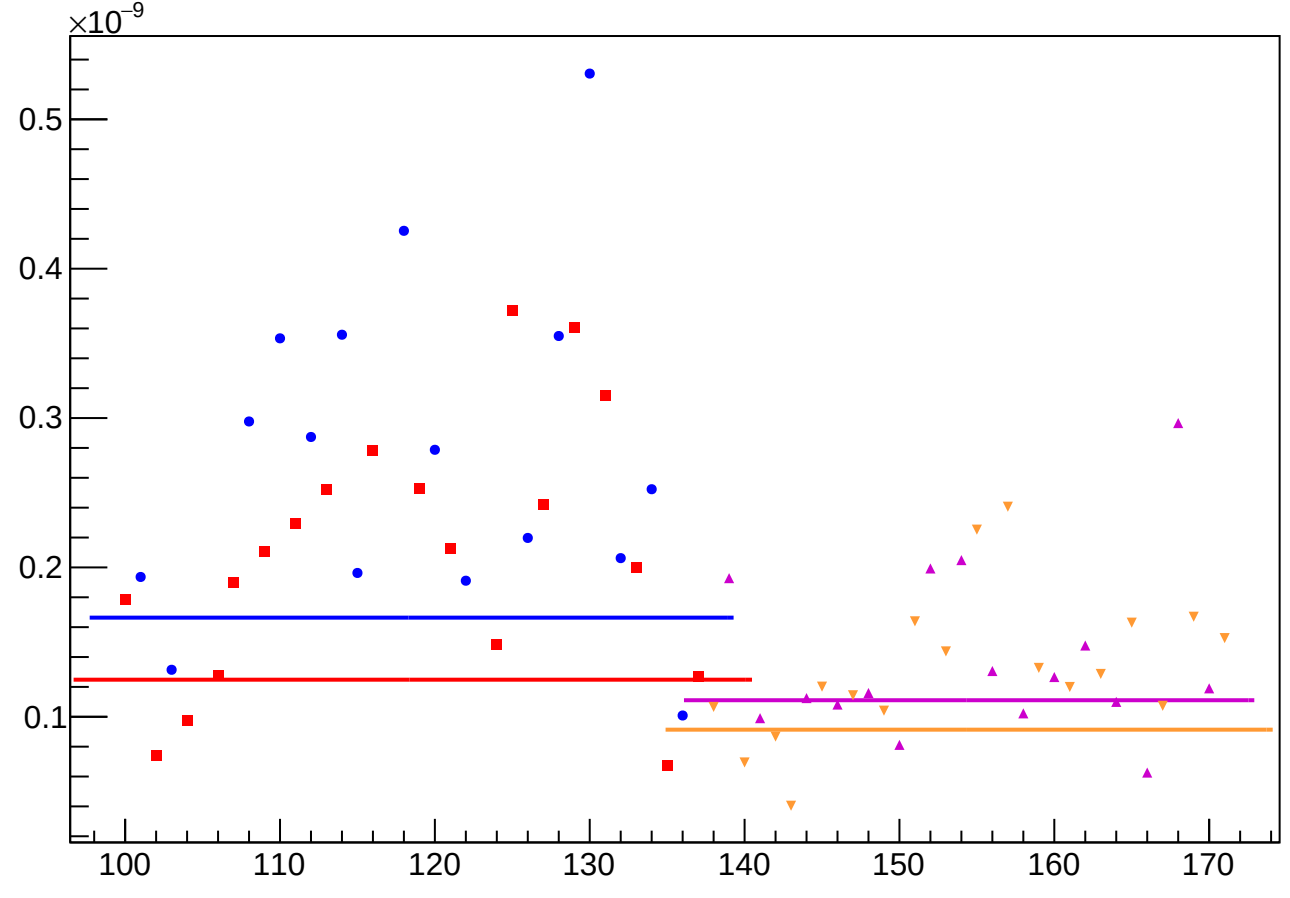
Left: -0.000+/-0.000 χ^2/NDF: 24.7/33

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: -0.000+/-0.000 χ^2/NDF:19.1/36

All: -0.000+/-0.000 χ^2/NDF: 48.5/68



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:1991397.4/15

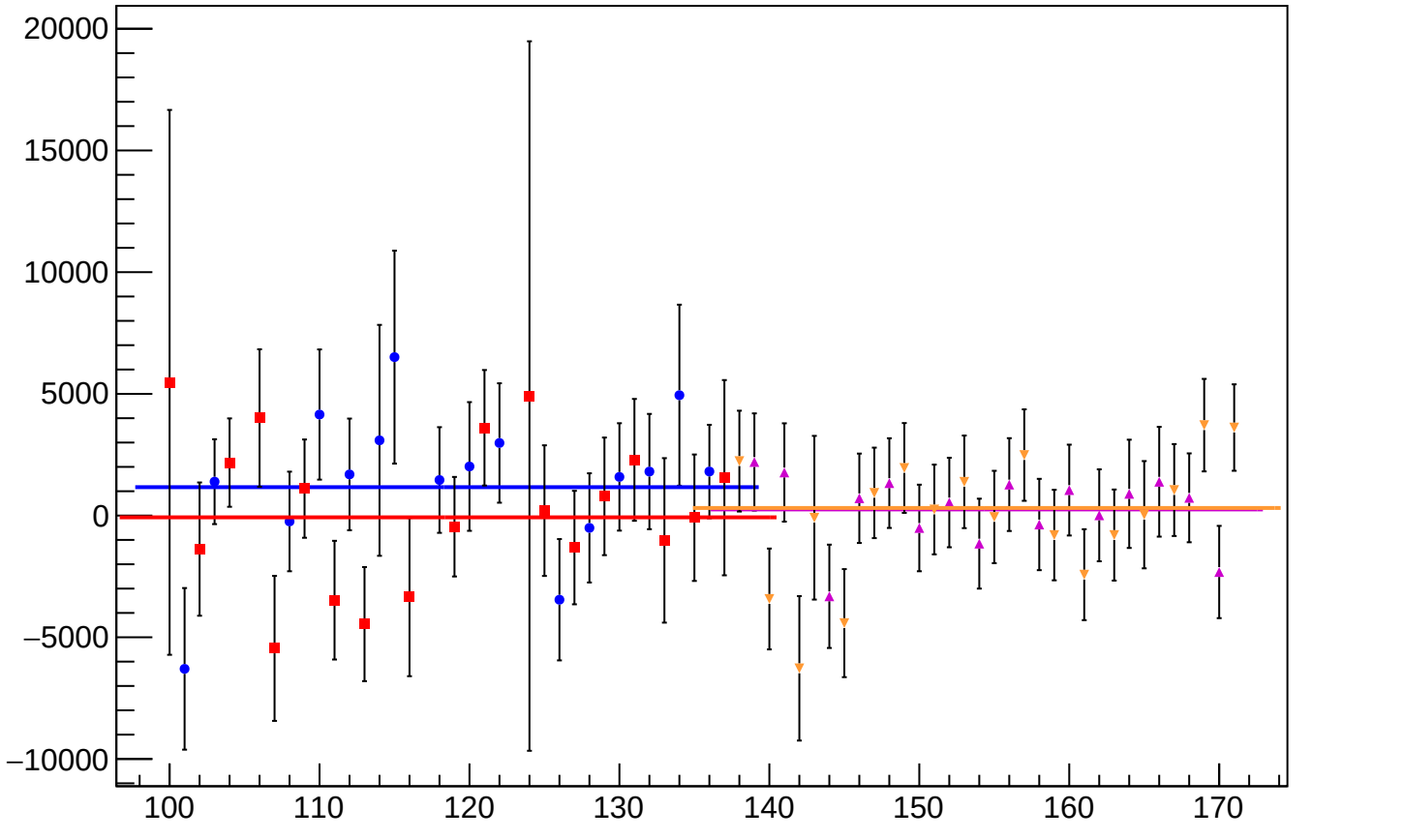
Left: 0.000+/-0.000 χ^2/NDF: 6236334.7/33

Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4680002.5/31

Out: 0.000+/-0.000 χ^2/NDF:6533548.2/36

All: 0.000+/-0.000 χ^2/NDF: 11721340.0/68



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: 252.596+/-481.223 χ^2/NDF:8.4/15

Left: 283.134+/-336.202 χ^2/NDF: 34.3/33

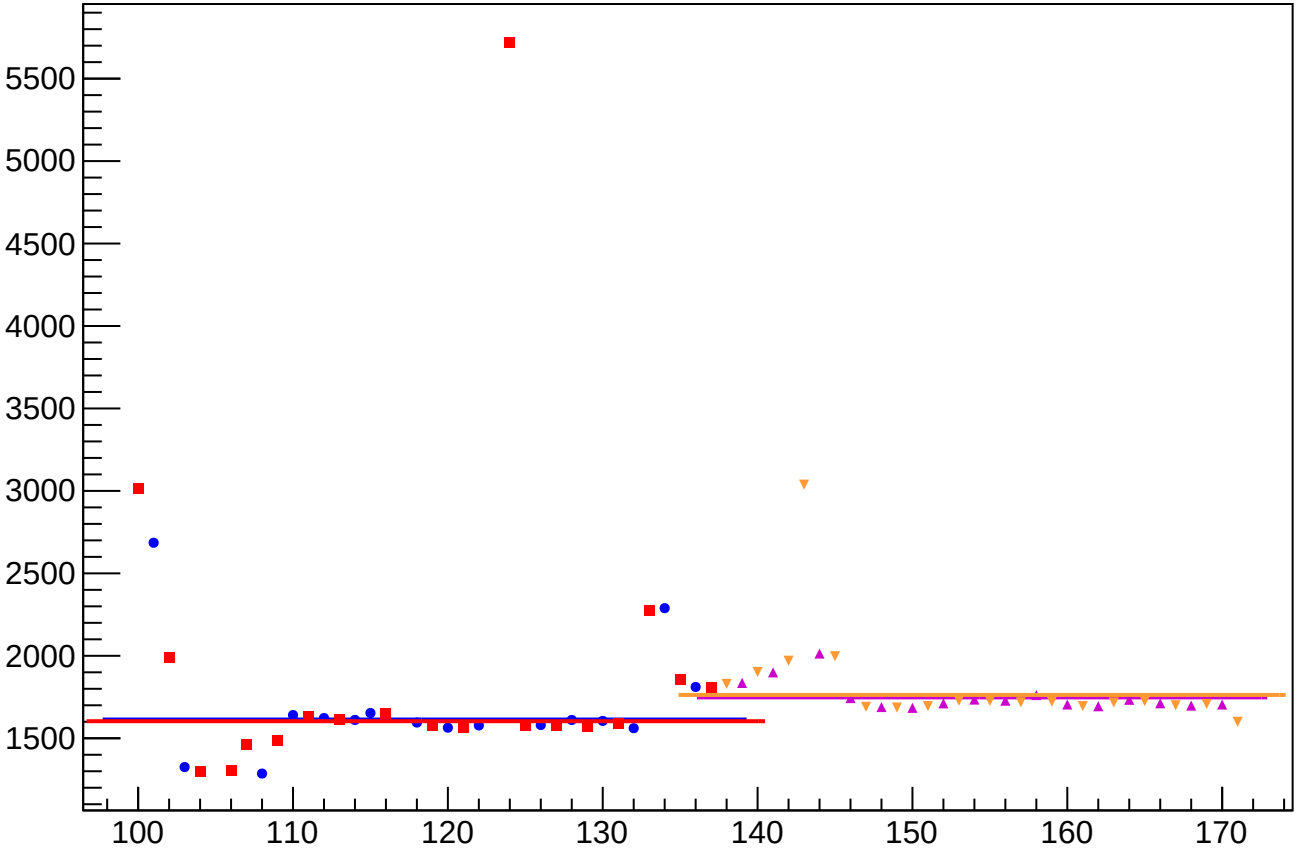
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 603.905+/-377.614 χ^2/NDF:24.2/31

Out: 167.112+/-370.733 χ^2/NDF:44.5/36

All: 381.493+/-264.547 χ^2/NDF: 69.3/68

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: 1747.796+/-0.340 χ^2/NDF:58055.5/15

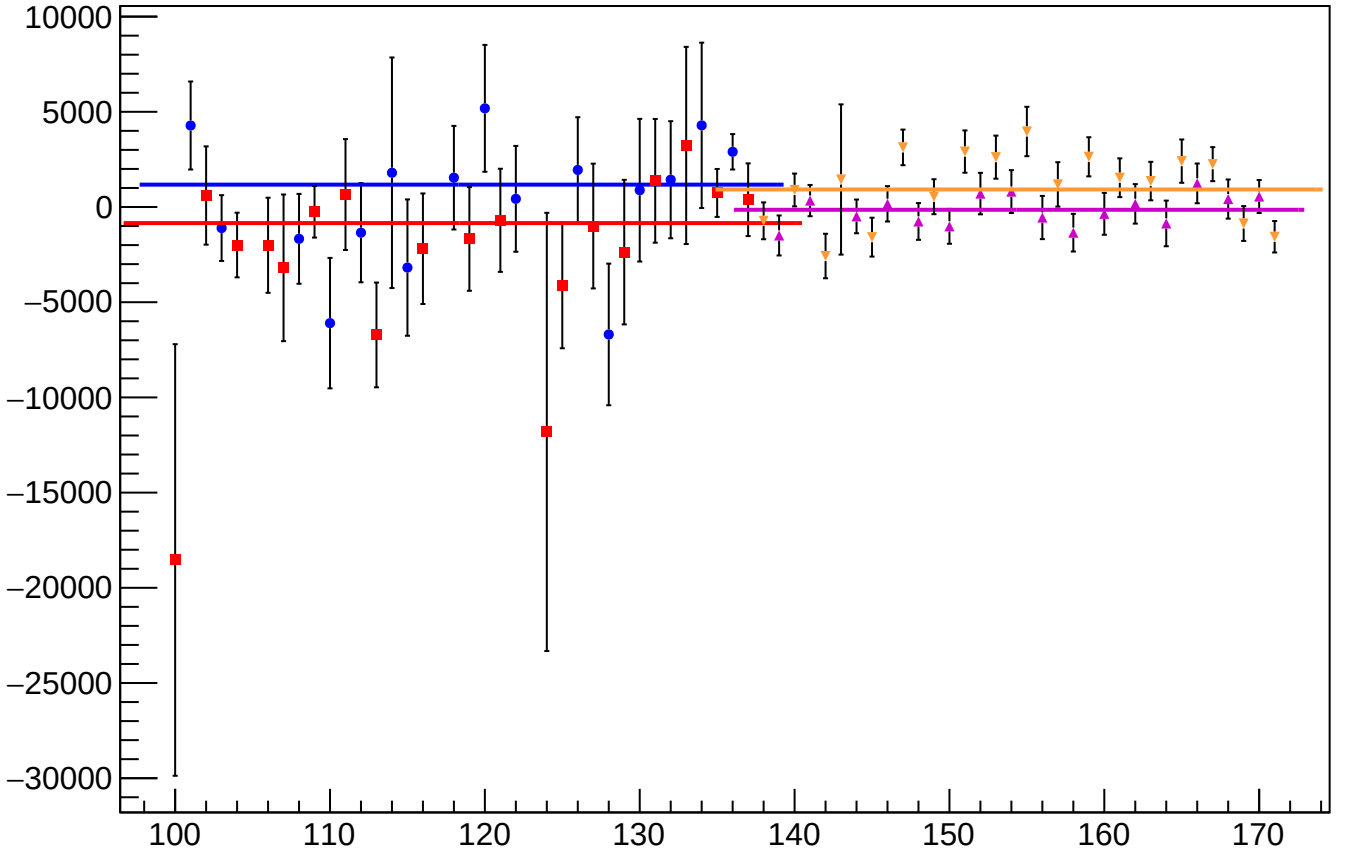
Left: 1755.446+/-0.238 χ^2/NDF: 427680.8/33

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1696.259+/-0.267 χ^2/NDF:522441.9/31

Out: 1702.606+/-0.262 χ^2/NDF:881184.6/36

All: 1699.491+/-0.187 χ^2/NDF: 1403914.2/68



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: -145.500+/-248.711 χ^2/NDF:9.7/15

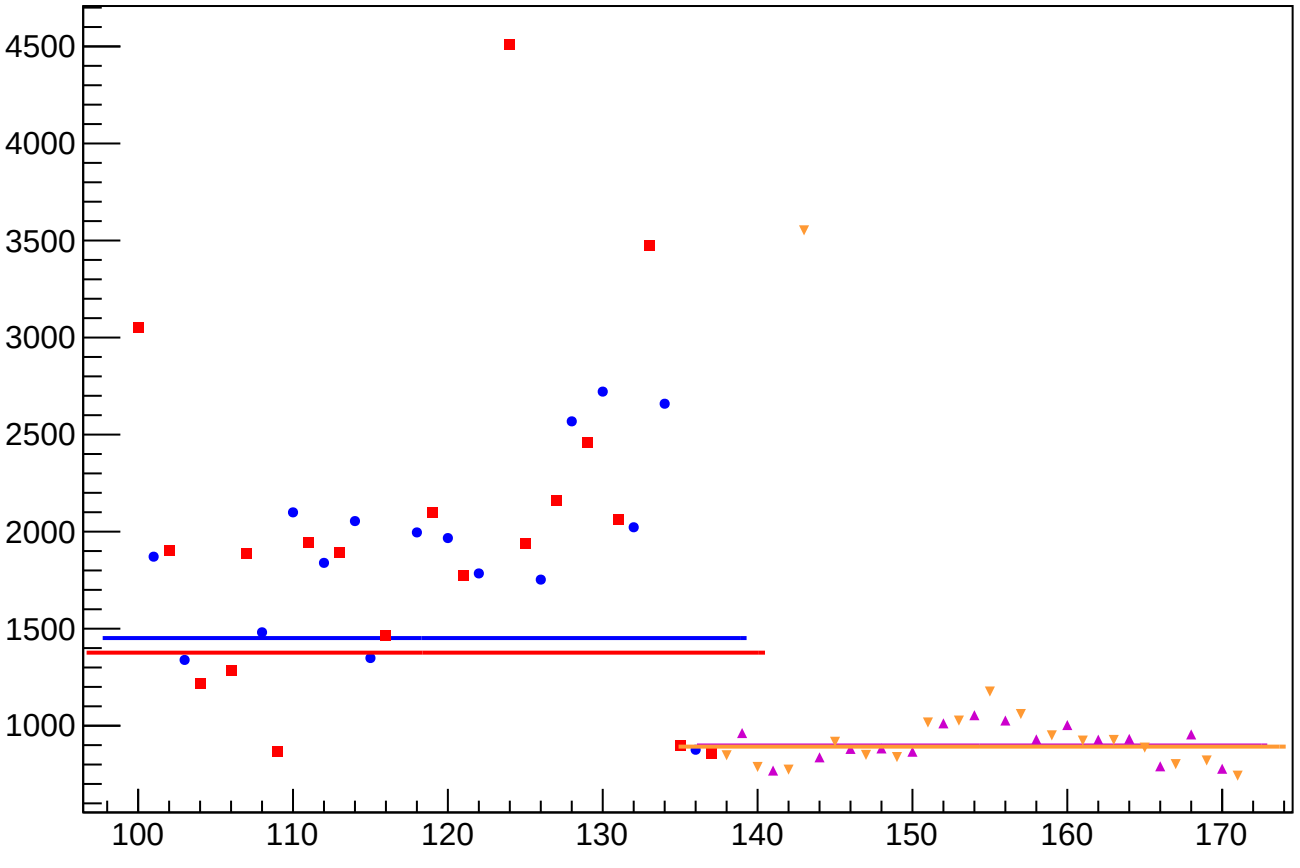
Left: 400.921+/-173.633 χ^2/NDF: 73.9/33

Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: 60.235+/-228.524 χ^2/NDF:36.1/31

Out: 639.666+/-222.380 χ^2/NDF:77.5/36

All: 357.844+/-159.374 χ^2/NDF: 116.9/68



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: 898.181+/-0.176 χ^2/NDF:245365.6/15

Left: 895.180+/-0.123 χ^2/NDF: 1521189.6/33

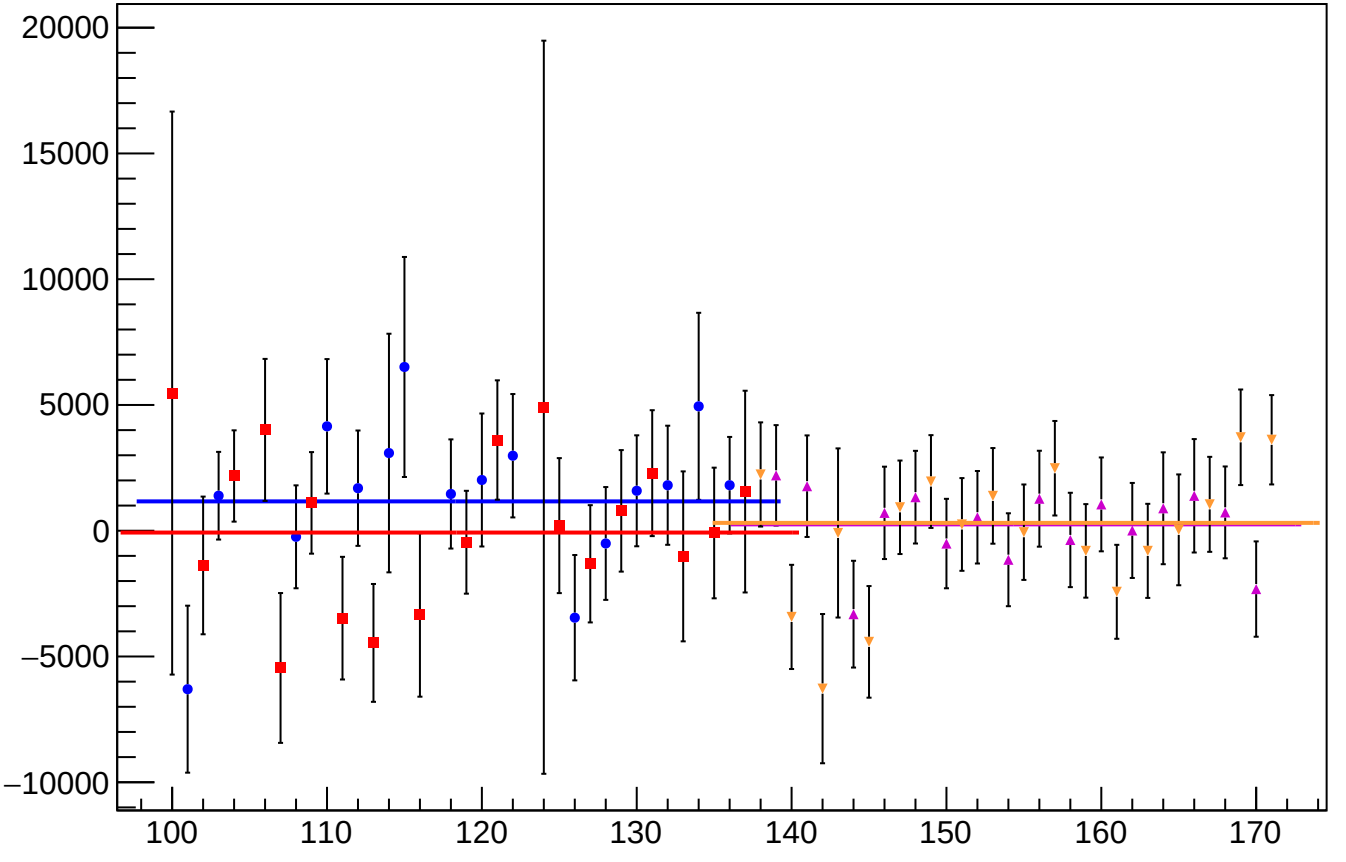
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 984.378+/-0.162 χ^2/NDF:3578651.6/31

Out: 969.377+/-0.157 χ^2/NDF:4675845.4/36

All: 976.673+/-0.113 χ^2/NDF: 8258923.5/68

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: 252.493+/-481.223 χ^2/NDF:8.4/15

Left: 283.017+/-336.202 χ^2/NDF: 34.3/33

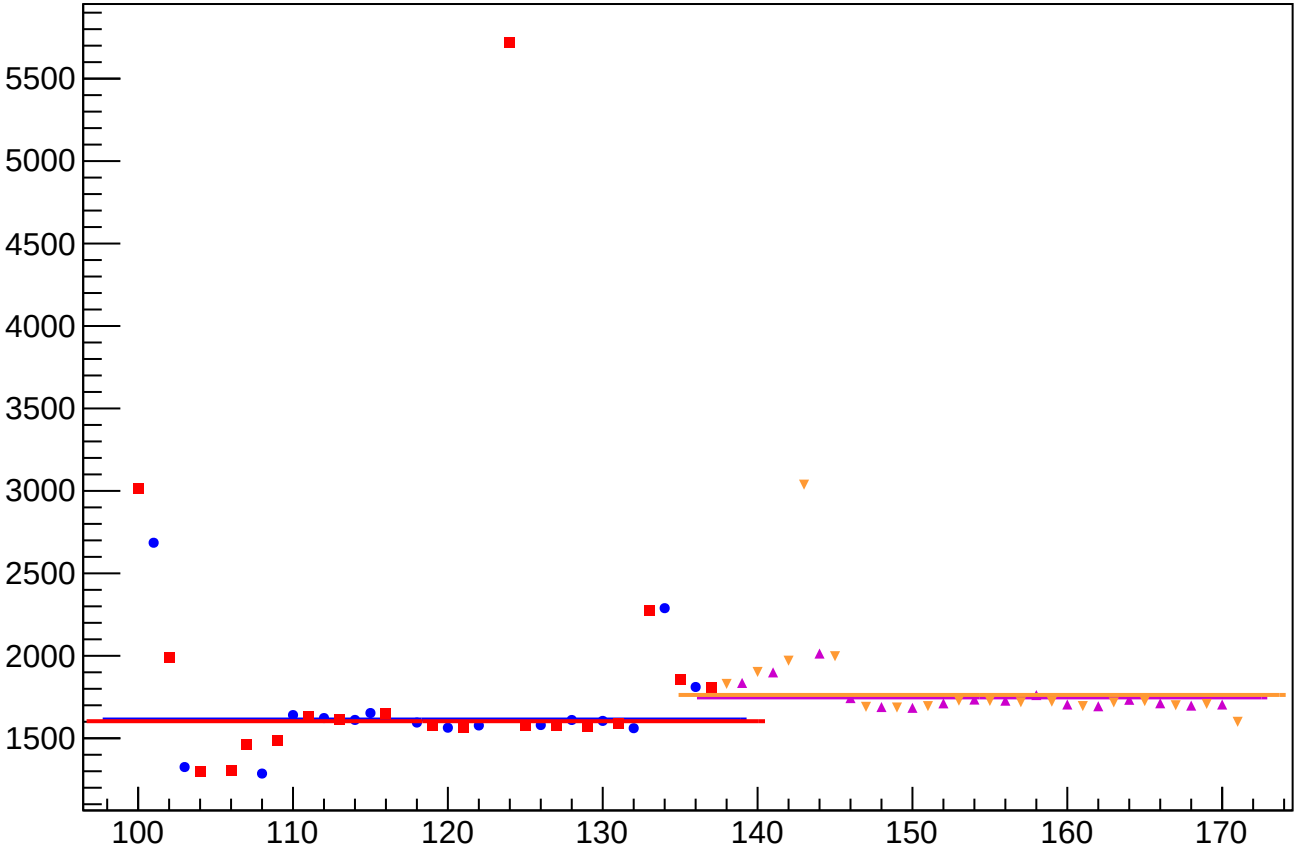
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 603.806+/-377.614 χ^2/NDF:24.2/31

Out: 166.910+/-370.733 χ^2/NDF:44.5/36

All: 381.341+/-264.547 χ^2/NDF: 69.3/68

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: 1747.797+/-0.340 χ^2/NDF:58055.5/15

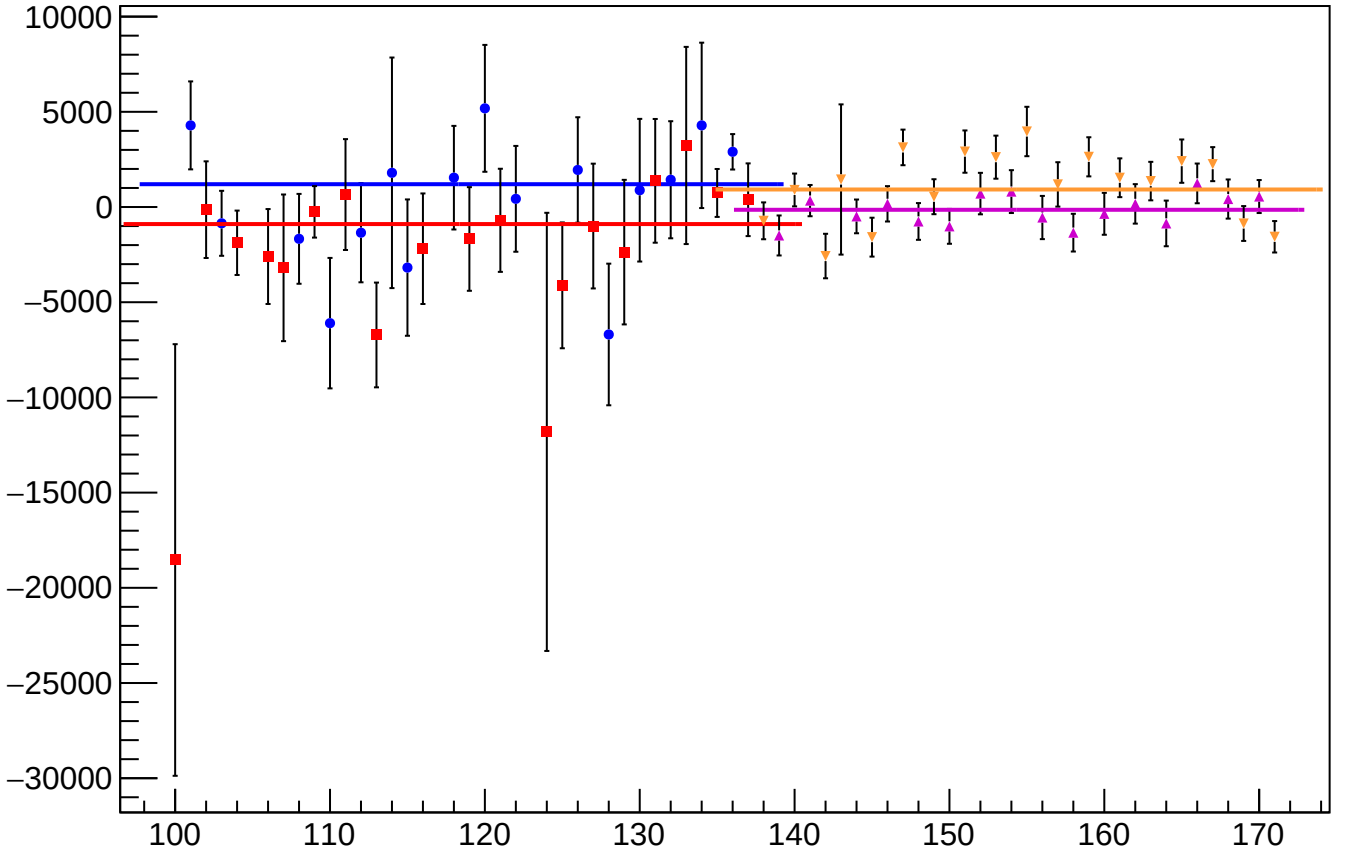
Left: 1755.446+/-0.238 χ^2/NDF: 427680.8/33

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1696.259+/-0.267 χ^2/NDF:522442.3/31

Out: 1702.606+/-0.262 χ^2/NDF:881184.8/36

All: 1699.491+/-0.187 χ^2/NDF: 1403914.8/68



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: -145.437+/-248.710 χ^2/NDF:9.7/15

Left: 400.959+/-173.633 χ^2/NDF: 73.9/33

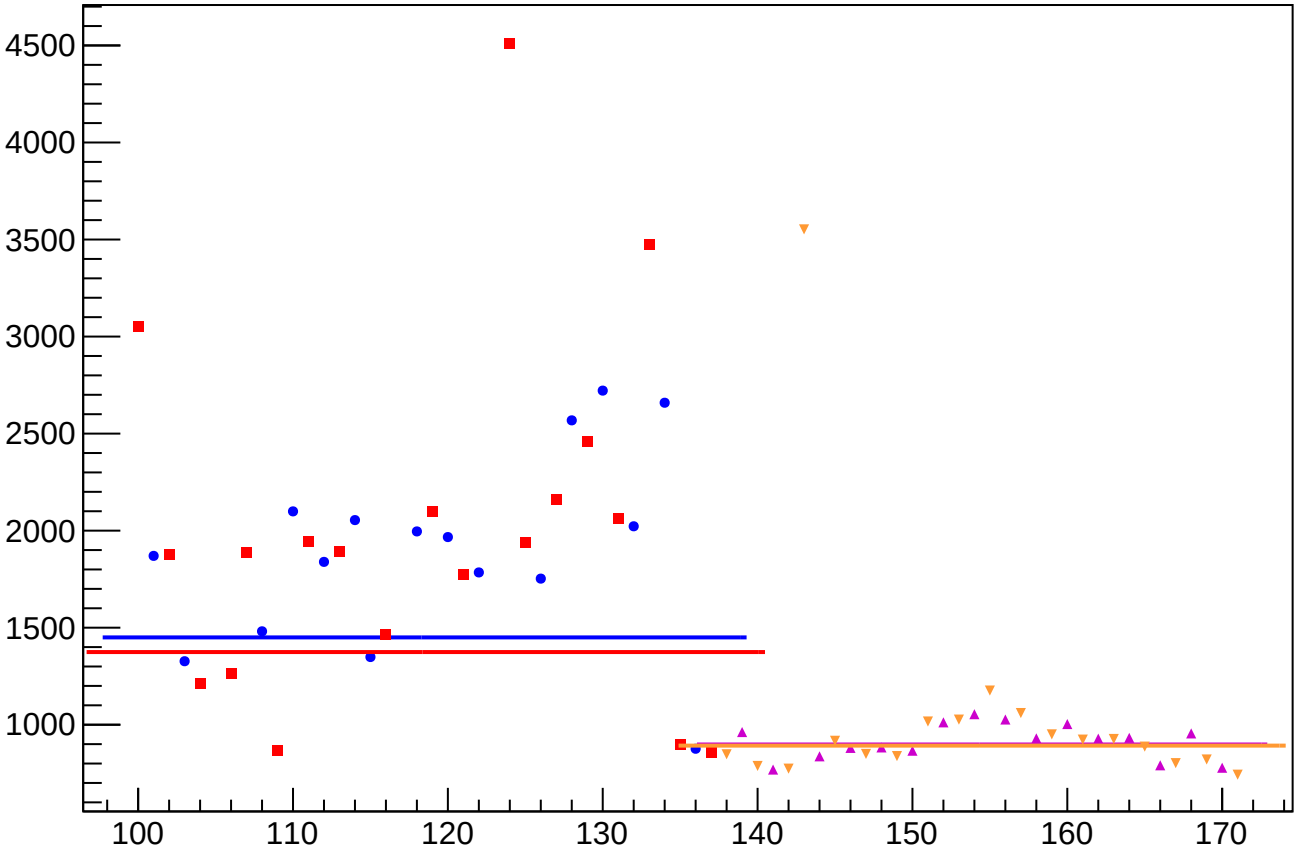
Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 64.350+/-228.473 χ^2/NDF:35.9/31

Out: 630.798+/-222.333 χ^2/NDF:78.0/36

All: 355.286+/-159.340 χ^2/NDF: 117.0/68

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: 898.177+/-0.176 χ^2/NDF:245434.6/15

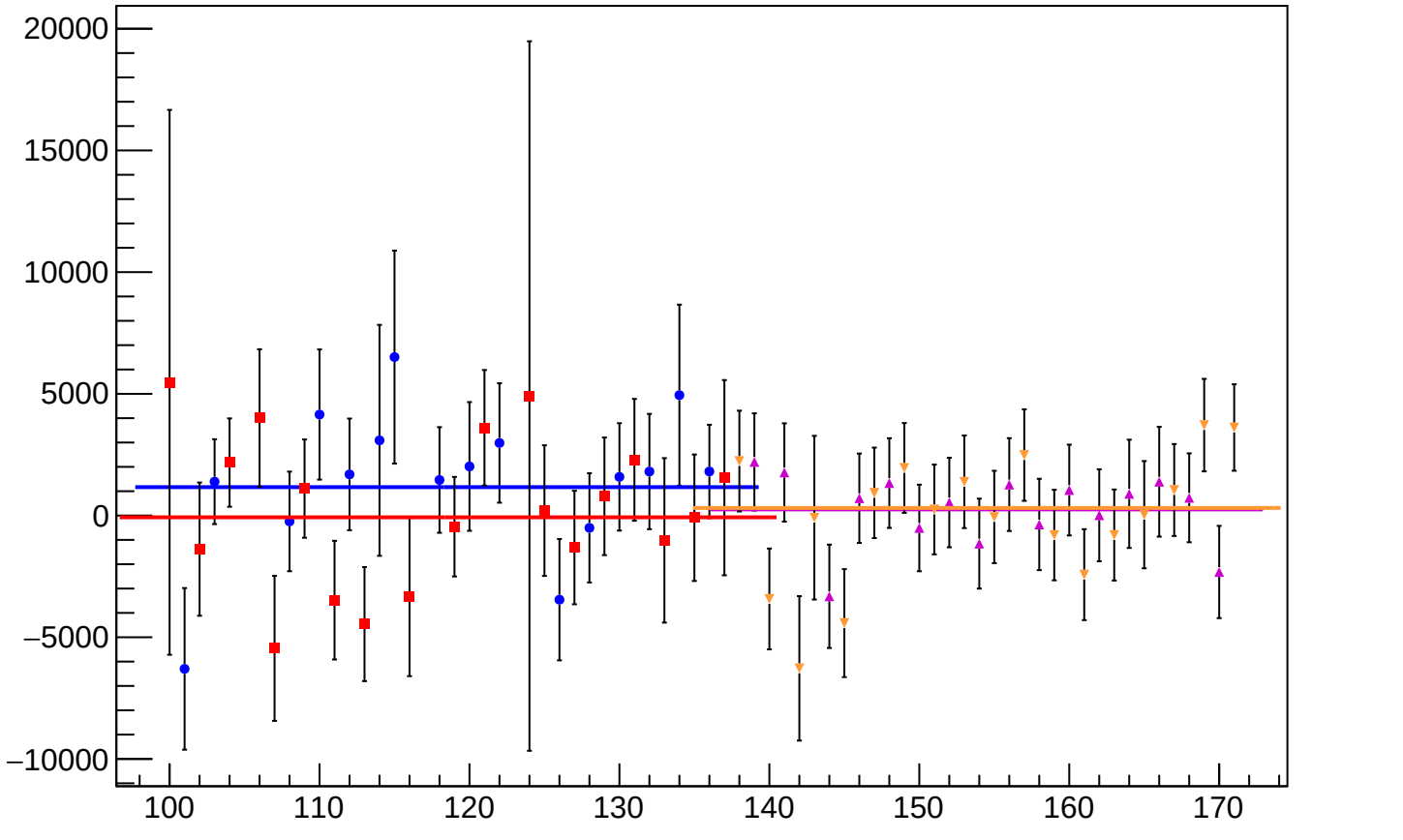
Left: 895.185+/-0.123 χ^2/NDF: 1521155.8/33

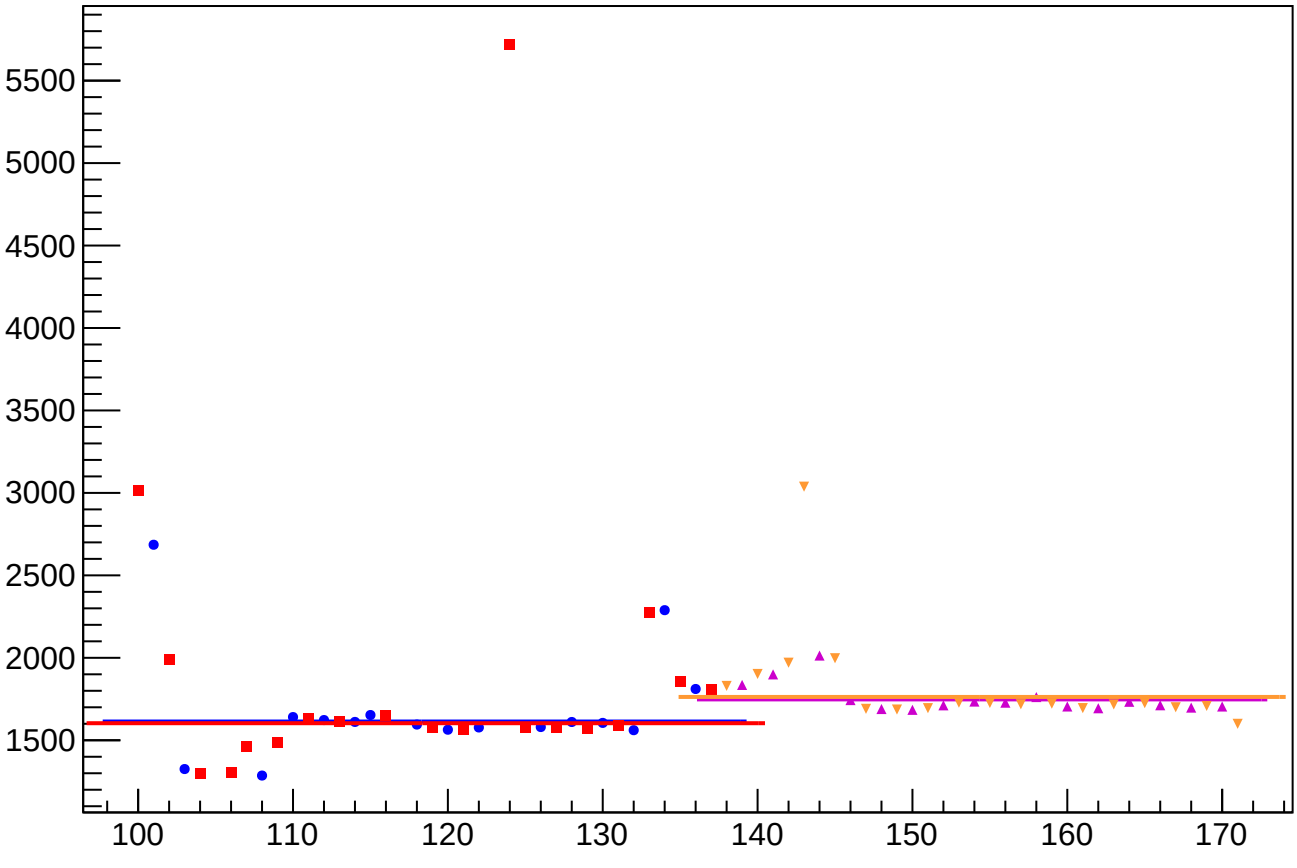
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 984.316+/-0.162 χ^2/NDF:3574841.1/31

Out: 969.245+/-0.157 χ^2/NDF:4663625.0/36

All: 976.575+/-0.113 χ^2/NDF: 8242936.2/68


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: 252.493+/-481.223 χ²/NDF:8.4/15
Left: 283.017+/-336.202 χ²/NDF: 34.3/33
Right: 541.197+/-428.680 χ²/NDF: 34.8/34
In: 603.806+/-377.614 χ²/NDF:24.2/31
Out: 166.910+/-370.733 χ²/NDF:44.5/36
All: 381.341+/-264.547 χ²/NDF: 69.3/68



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: 1747.797+/-0.340 χ^2/NDF:58055.5/15

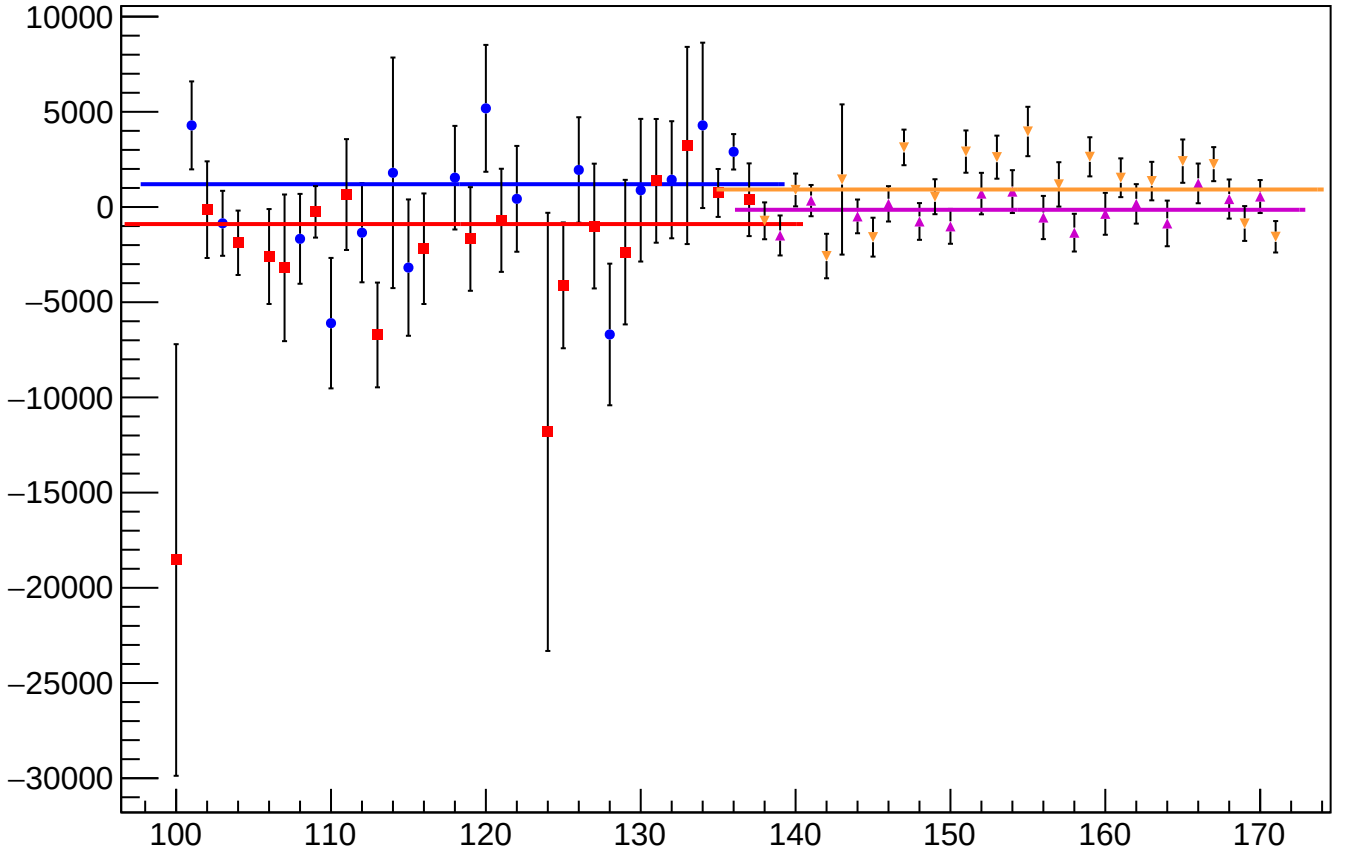
Left: 1755.446+/-0.238 χ^2/NDF: 427680.8/33

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1696.259+/-0.267 χ^2/NDF:522442.3/31

Out: 1702.606+/-0.262 χ^2/NDF:881184.8/36

All: 1699.491+/-0.187 χ^2/NDF: 1403914.8/68



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: -145.437+/-248.710 χ^2/NDF:9.7/15

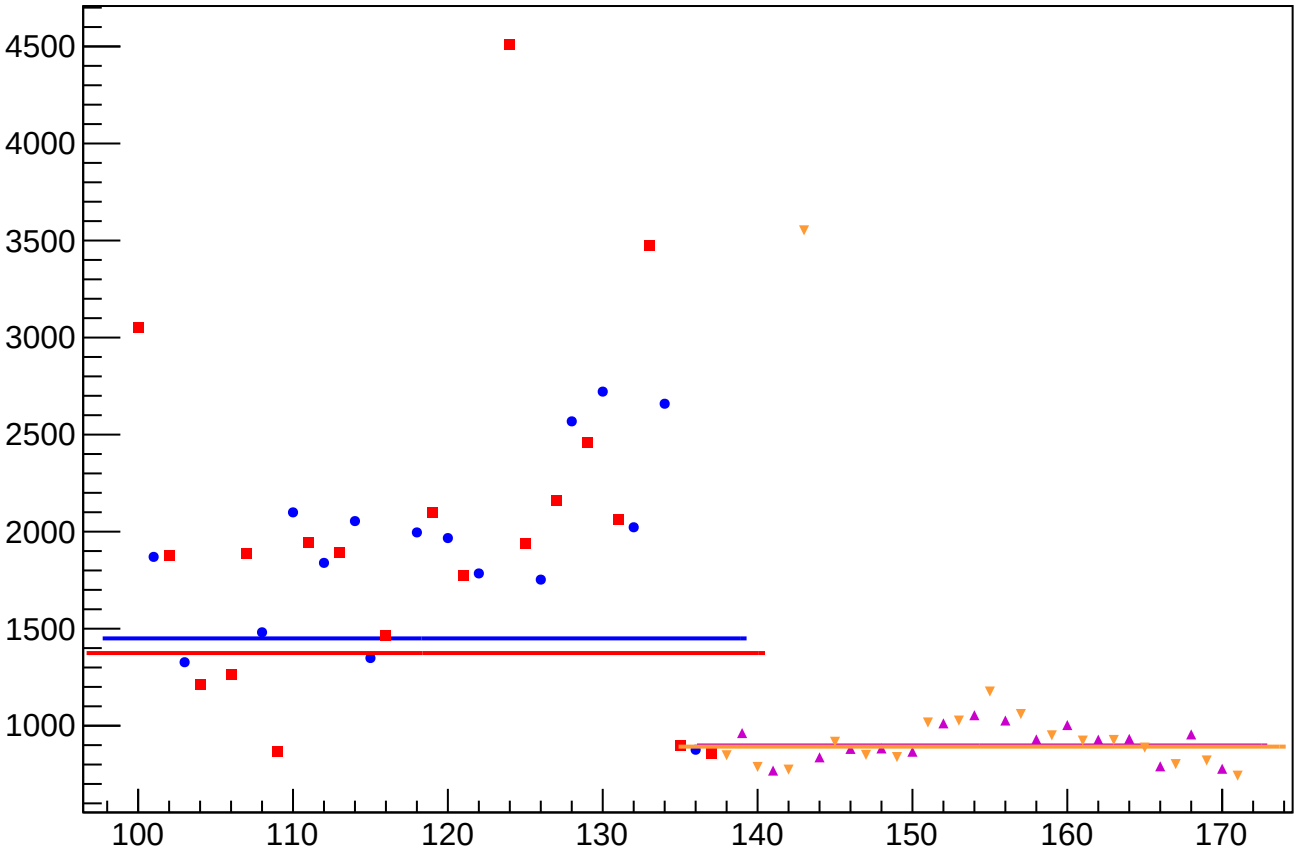
Left: 400.959+/-173.633 χ^2/NDF: 73.9/33

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: 64.350+/-228.473 χ^2/NDF:35.9/31

Out: 630.798+/-222.333 χ^2/NDF:78.0/36

All: 355.286+/-159.340 χ^2/NDF: 117.0/68



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: 898.177+/-0.176 χ^2/NDF:245434.6/15

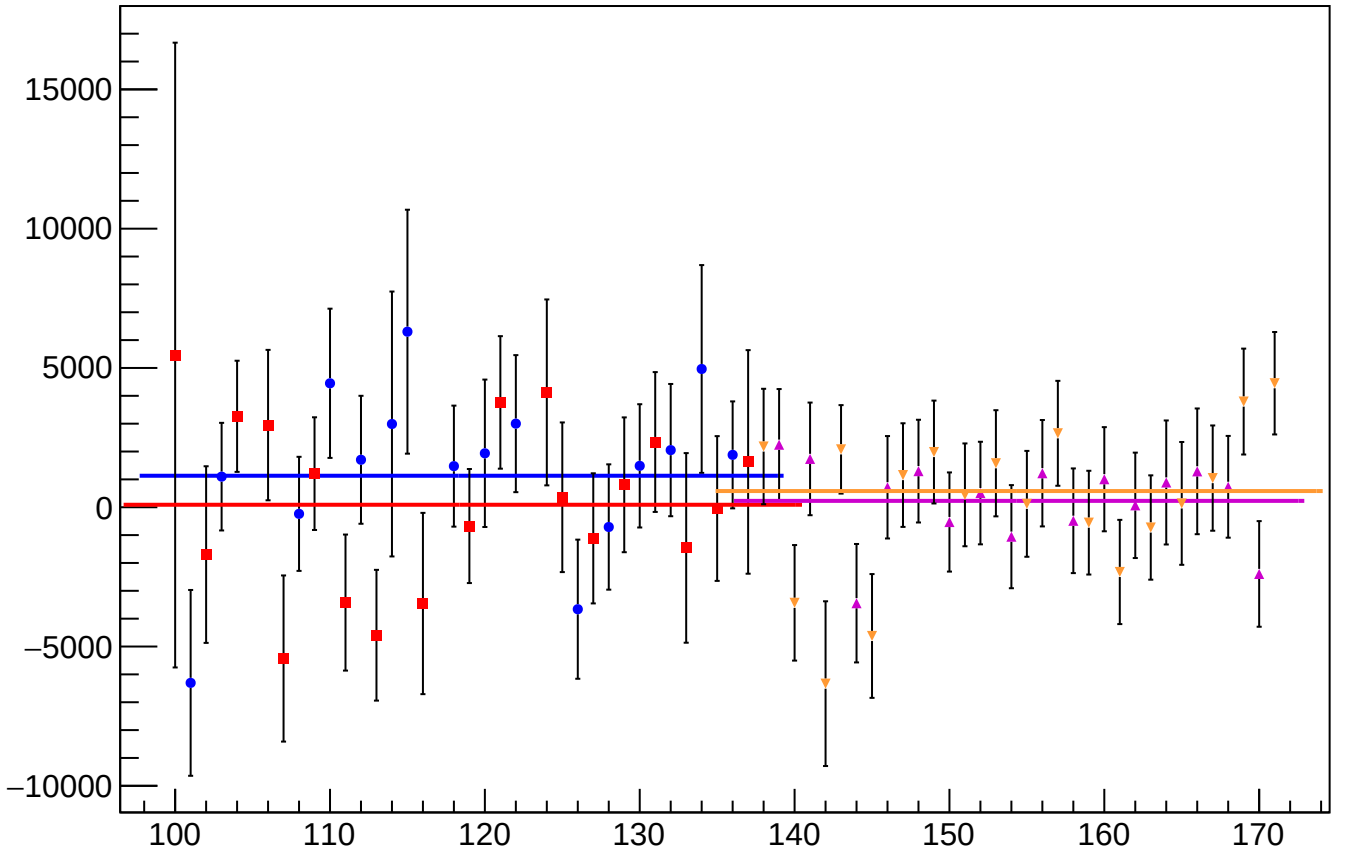
Left: 895.185+/-0.123 χ^2/NDF: 1521155.8/33

Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

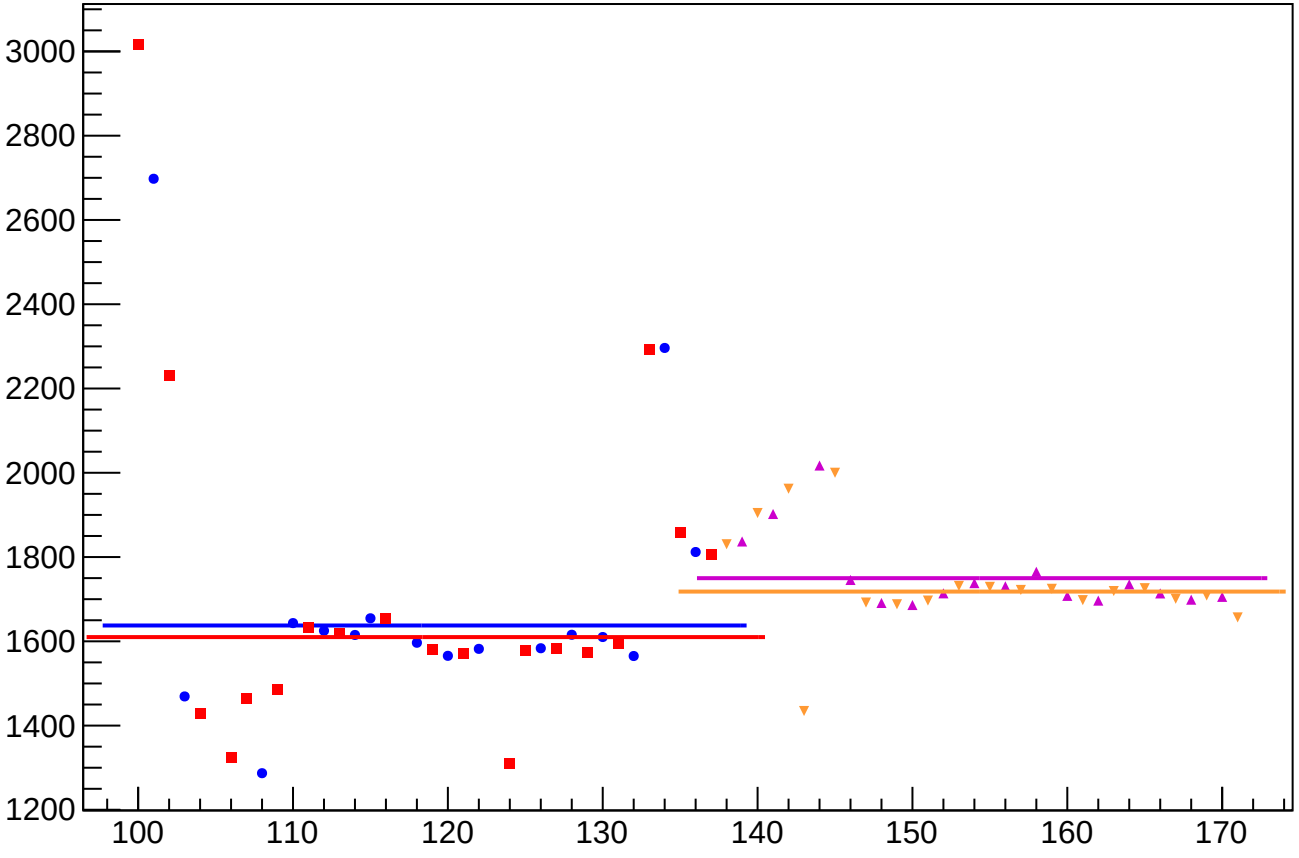
In: 984.316+/-0.162 χ^2/NDF:3574841.1/31

Out: 969.245+/-0.157 χ^2/NDF:4663625.0/36

All: 976.575+/-0.113 χ^2/NDF: 8242936.2/68


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: 1130.726+/-617.236 χ²/NDF: 15.0/15
Left Out: 581.217+/-456.108 χ²/NDF:29.1/17
Right Out: 89.220+/-603.072 χ²/NDF: 20.7/18
Left In: 228.459+/-481.799 χ²/NDF:8.5/15
Left: 414.493+/-331.227 χ²/NDF: 37.9/33
Right: 597.886+/-431.357 χ²/NDF: 37.1/34
In: 570.067+/-379.794 χ²/NDF:24.9/31
Out: 402.195+/-363.782 χ²/NDF:50.2/36
All: 482.518+/-262.711 χ²/NDF: 75.1/68

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: 1749.868+/-0.341 χ^2/NDF:58415.5/15

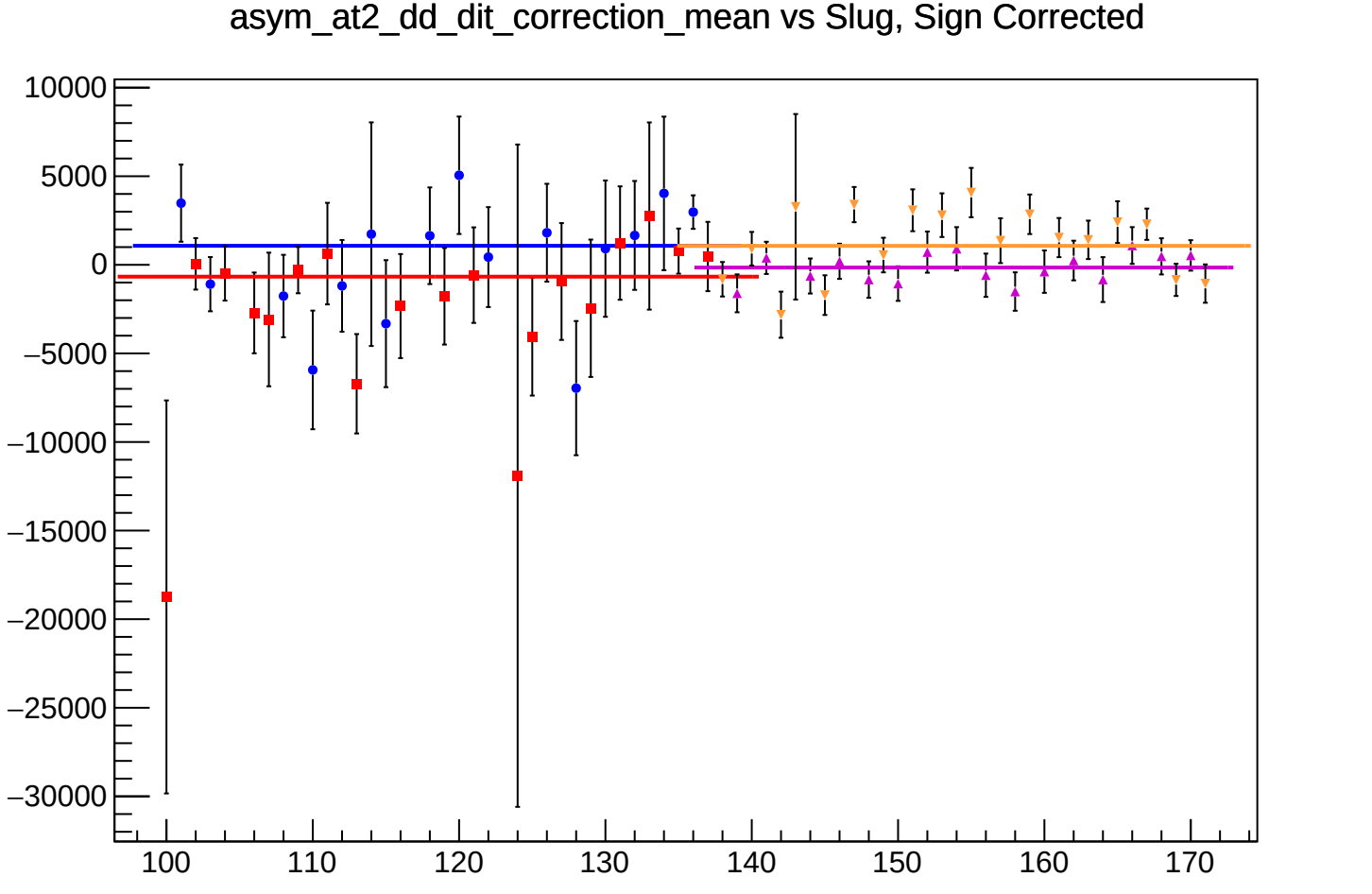
Left: 1733.087+/-0.234 χ^2/NDF: 198723.1/33

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.352+/-0.269 χ^2/NDF:460966.6/31

Out: 1678.749+/-0.257 χ^2/NDF:457327.0/36

All: 1692.435+/-0.186 χ^2/NDF: 924209.6/68



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: -154.158+/-263.400 χ^2/NDF:9.8/15

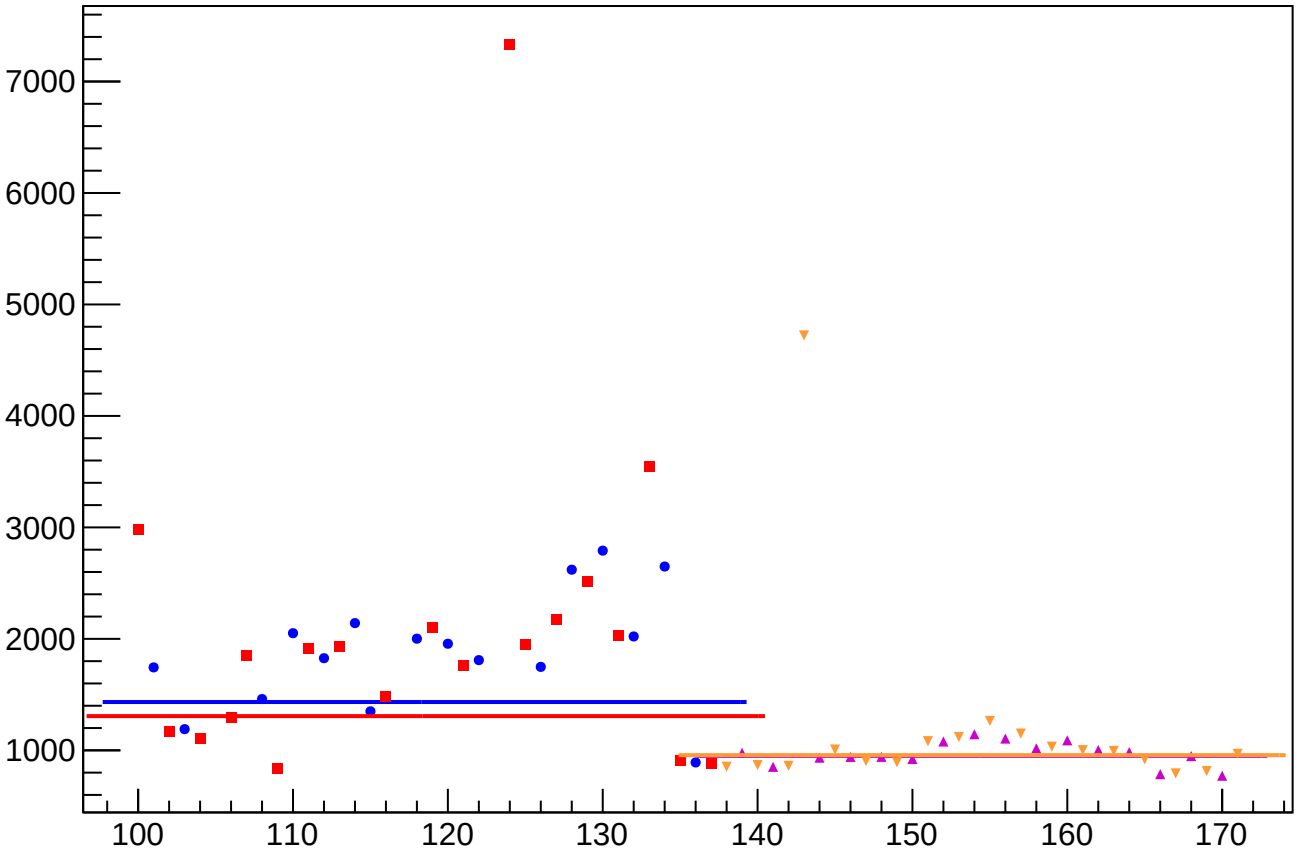
Left: 464.343+/-185.319 χ^2/NDF: 69.5/33

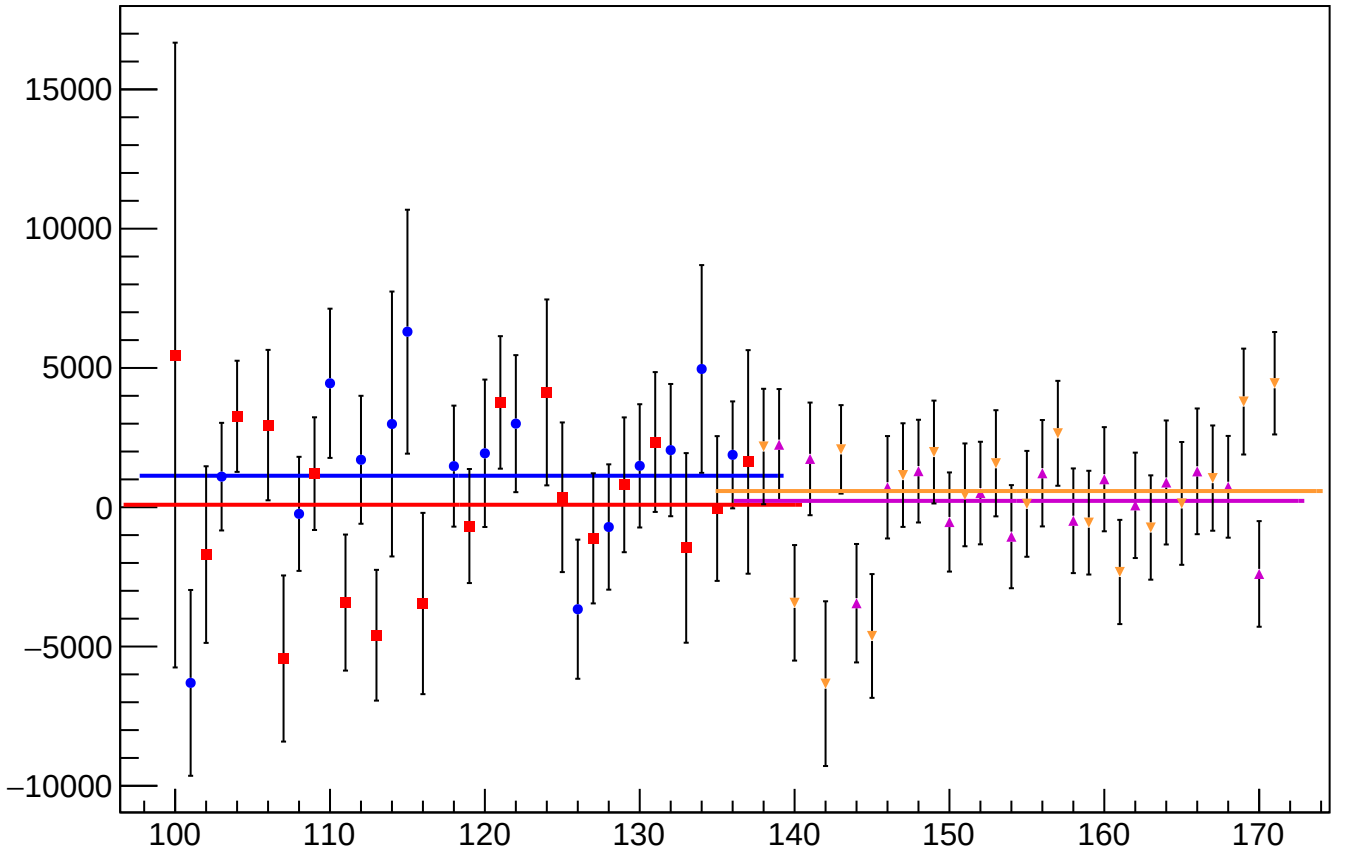
Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: 60.883+/-239.223 χ^2/NDF:35.6/31

Out: 724.961+/-233.420 χ^2/NDF:71.2/36

All: 401.076+/-167.067 χ^2/NDF: 110.7/68


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: 950.086+/-0.186 χ²/NDF:311373.1/15
Left: 953.423+/-0.131 χ²/NDF: 1752648.0/33
Right: 1364.618+/-0.273 χ²/NDF: 4000764.0/34
In: 1034.752+/-0.169 χ²/NDF:3254653.7/31
Out: 1026.318+/-0.165 χ²/NDF:4341553.9/36
All: 1030.431+/-0.118 χ²/NDF: 7597480.9/68



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 581.211+/-456.108 χ^2/NDF:29.1/17

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 228.461+/-481.799 χ^2/NDF:8.5/15

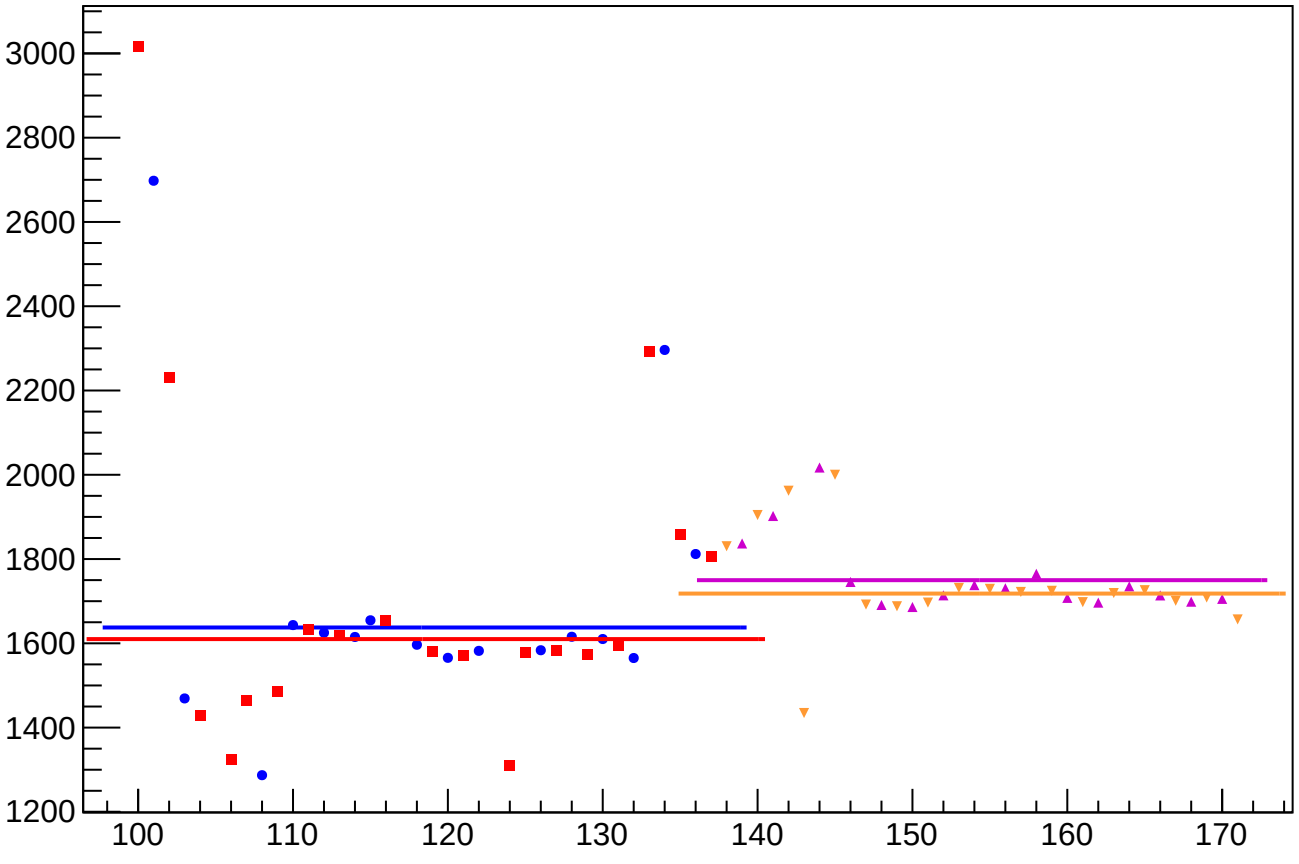
Left: 414.491+/-331.227 χ^2/NDF: 37.9/33

Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 570.069+/-379.794 χ^2/NDF:24.9/31

Out: 402.193+/-363.782 χ^2/NDF:50.2/36

All: 482.518+/-262.711 χ^2/NDF: 75.1/68



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: 1749.868+/-0.341 χ^2/NDF:58415.6/15

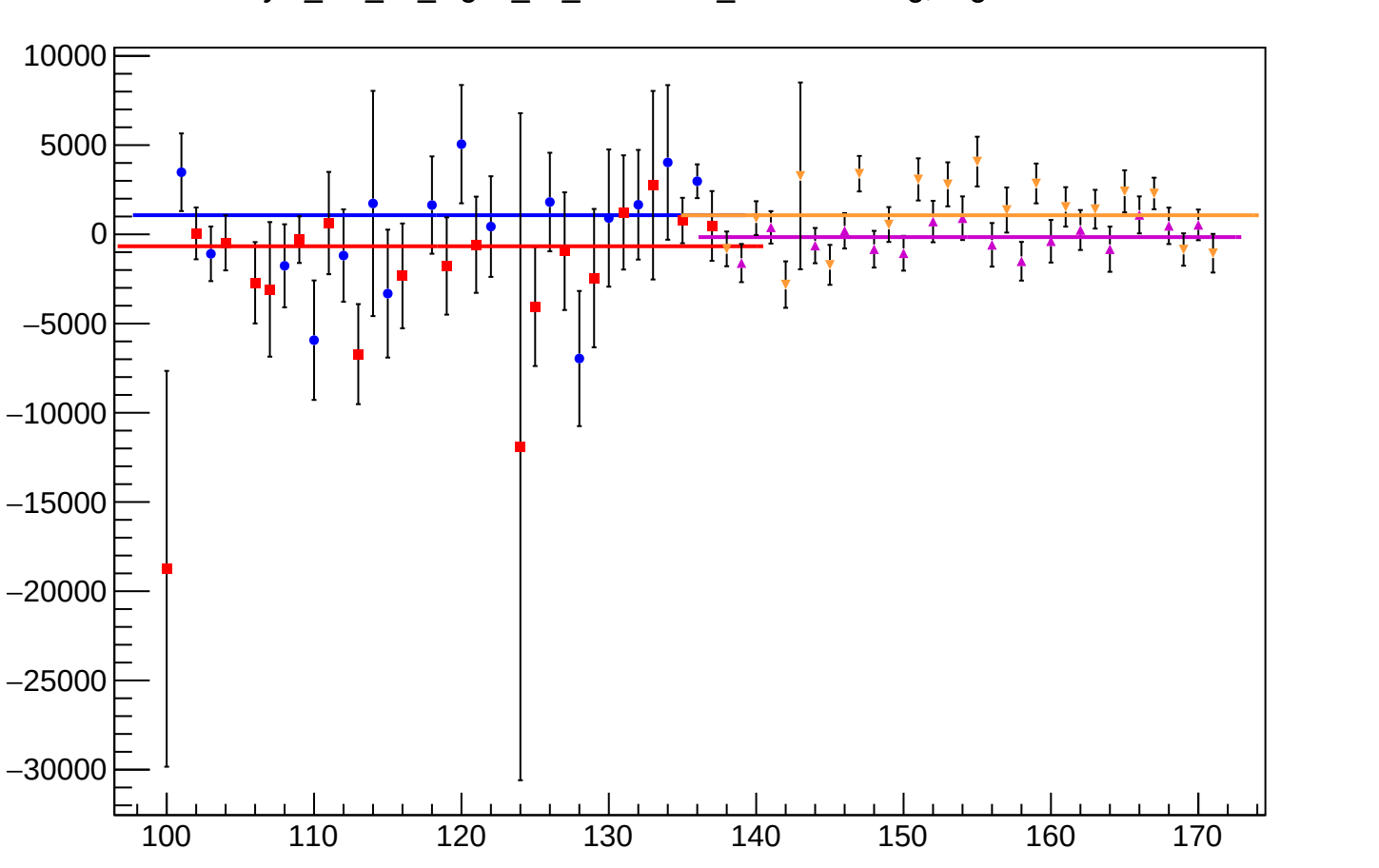
Left: 1733.087+/-0.234 χ^2/NDF: 198722.4/33

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1707.352+/-0.269 χ^2/NDF:460966.6/31

Out: 1678.749+/-0.257 χ^2/NDF:457326.5/36

All: 1692.435+/-0.186 χ^2/NDF: 924209.1/68



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: -154.154+/-263.400 χ^2/NDF:9.8/15

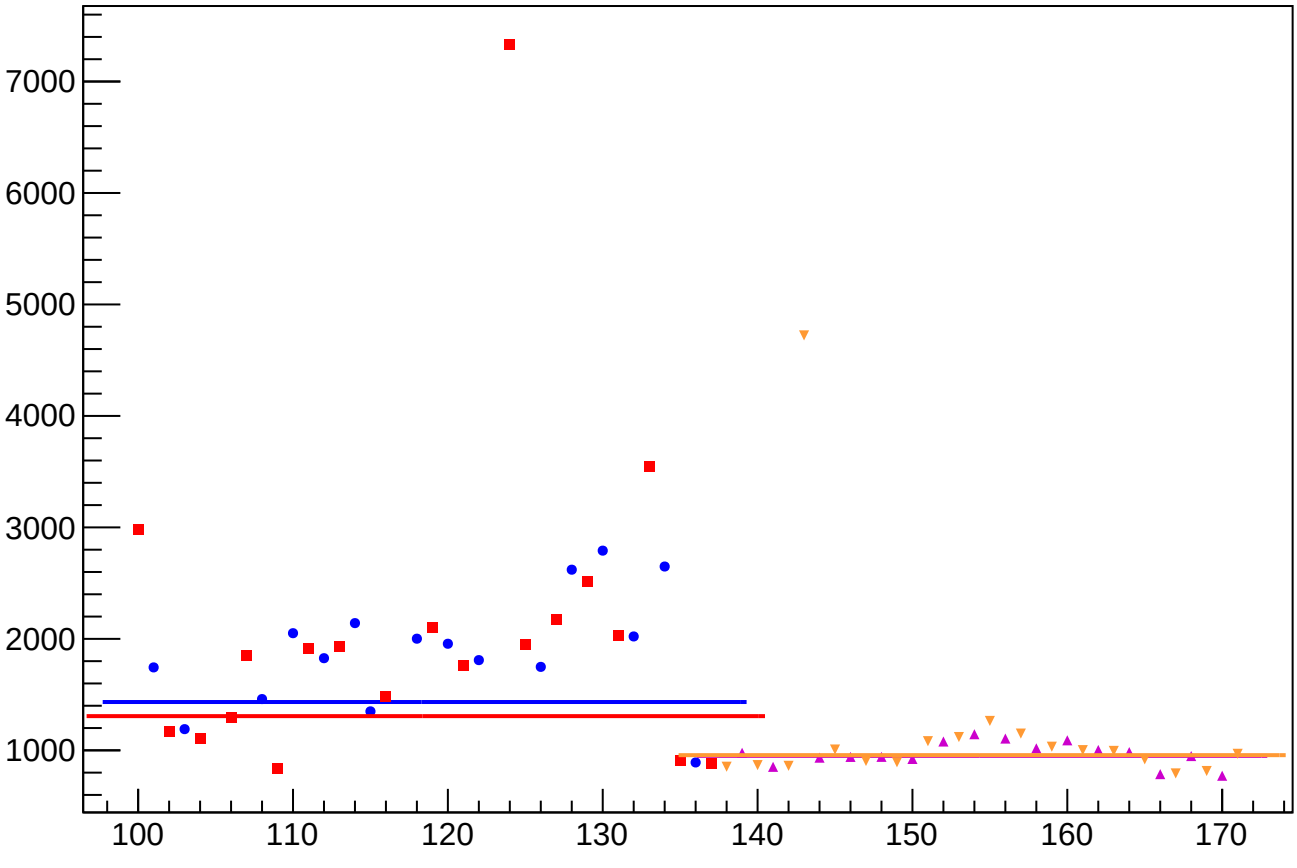
Left: 464.347+/-185.319 χ^2/NDF: 69.5/33

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

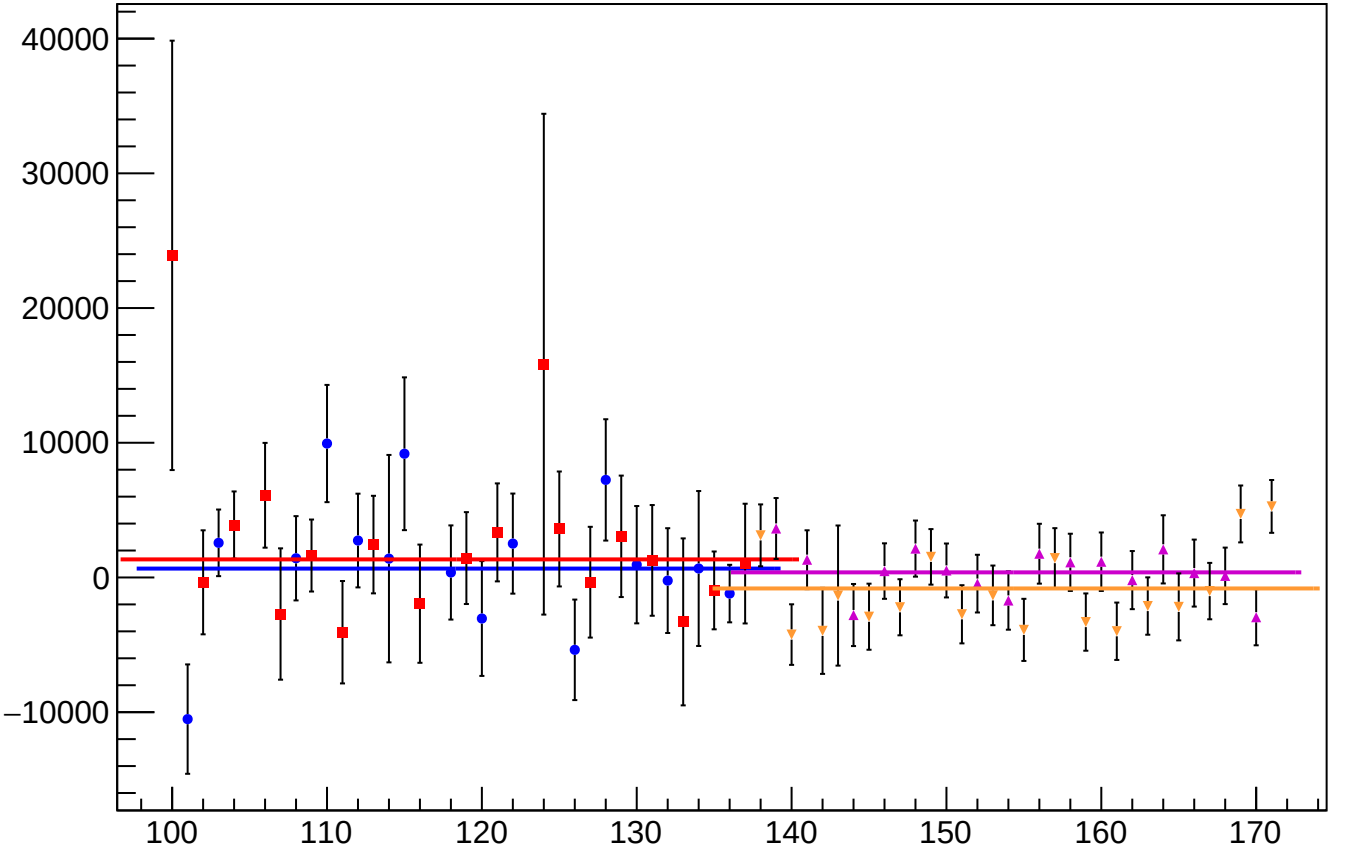
In: 60.883+/-239.224 χ^2/NDF:35.6/31

Out: 724.967+/-233.420 χ^2/NDF:71.2/36

All: 401.078+/-167.067 χ^2/NDF: 110.7/68


asym_at2_dd_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: 1433.492+/-0.404 χ²/NDF: 1763397.4/15
Left Out: 956.695+/-0.184 χ²/NDF:1440623.4/17
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 950.086+/-0.186 χ²/NDF:311376.1/15
Left: 953.424+/-0.131 χ²/NDF: 1752635.5/33
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1034.753+/-0.169 χ²/NDF:3254625.0/31
Out: 1026.321+/-0.165 χ²/NDF:4341506.9/36
All: 1030.434+/-0.118 χ²/NDF: 7597404.7/68

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: 378.439+/-545.001 χ^2/NDF:9.7/15

Left: -230.224+/-381.618 χ^2/NDF: 45.3/33

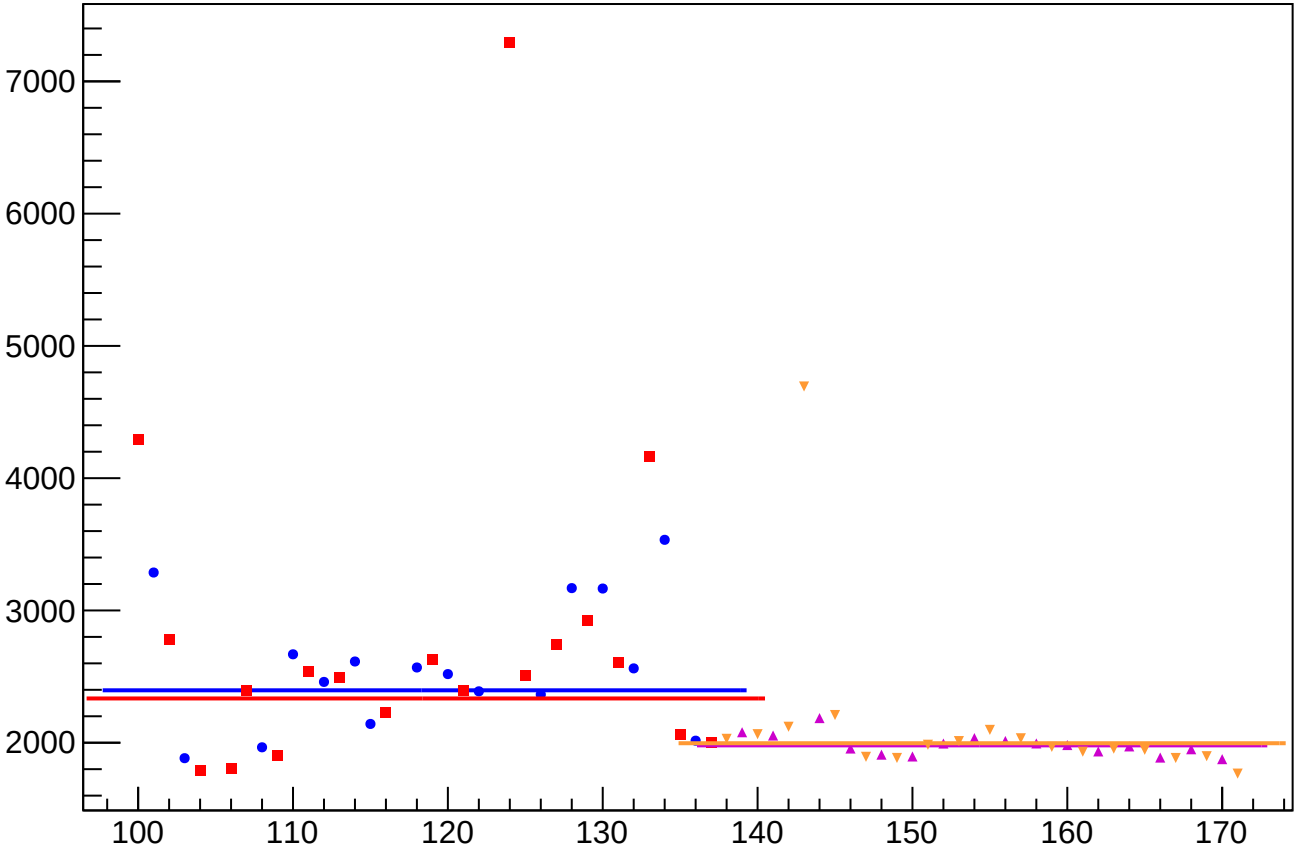
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 452.678+/-467.503 χ^2/NDF:31.7/31

Out: -244.271+/-458.313 χ^2/NDF:48.3/36

All: 97.286+/-327.277 χ^2/NDF: 81.2/68

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: 1979.973+/-0.385 χ^2/NDF:39219.7/15

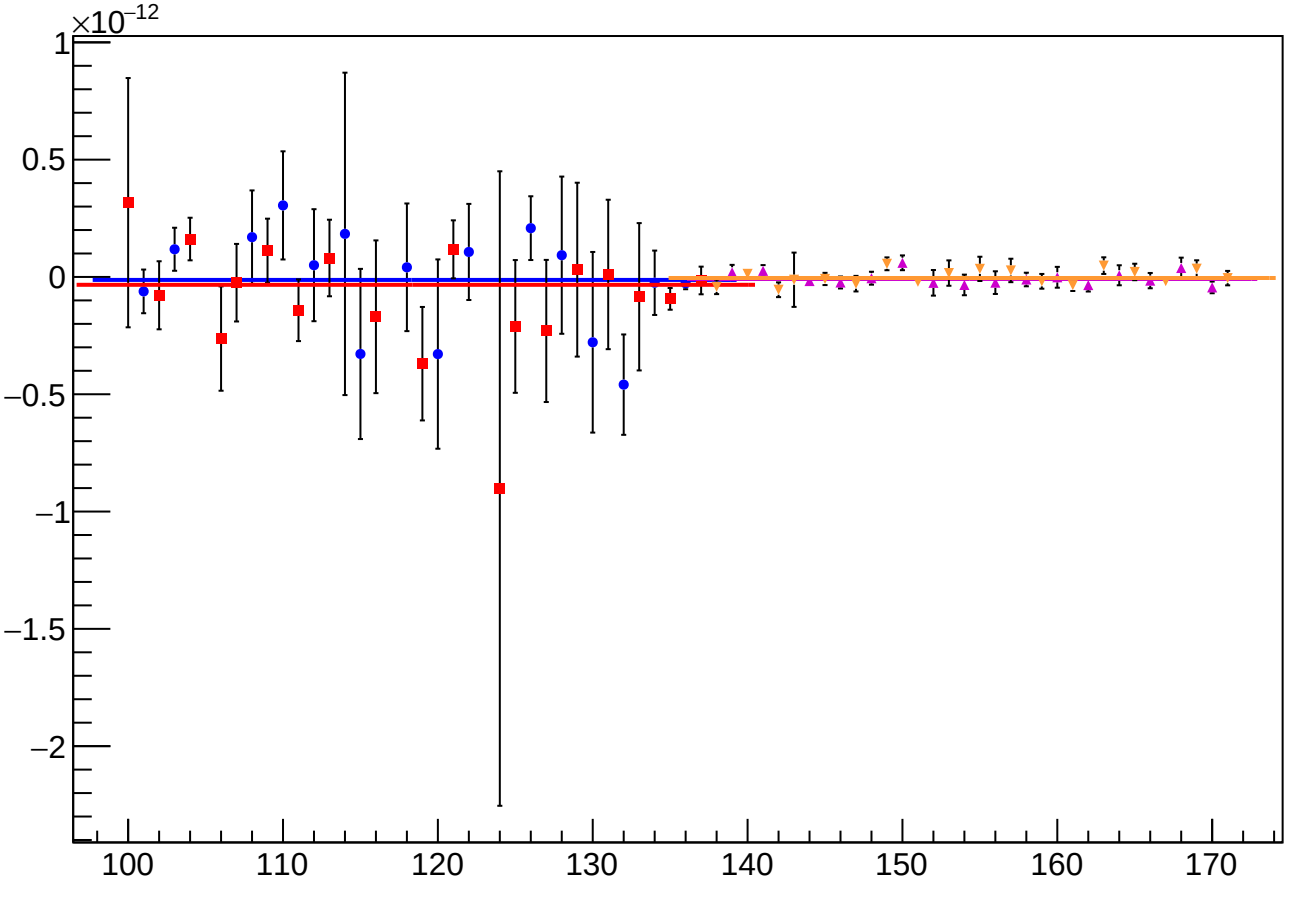
Left: 1988.217+/-0.270 χ^2/NDF: 654781.7/33

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2089.951+/-0.331 χ^2/NDF:855400.3/31

Out: 2085.782+/-0.324 χ^2/NDF:1508581.7/36

All: 2087.825+/-0.231 χ^2/NDF: 2364063.2/68



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:13.2/15

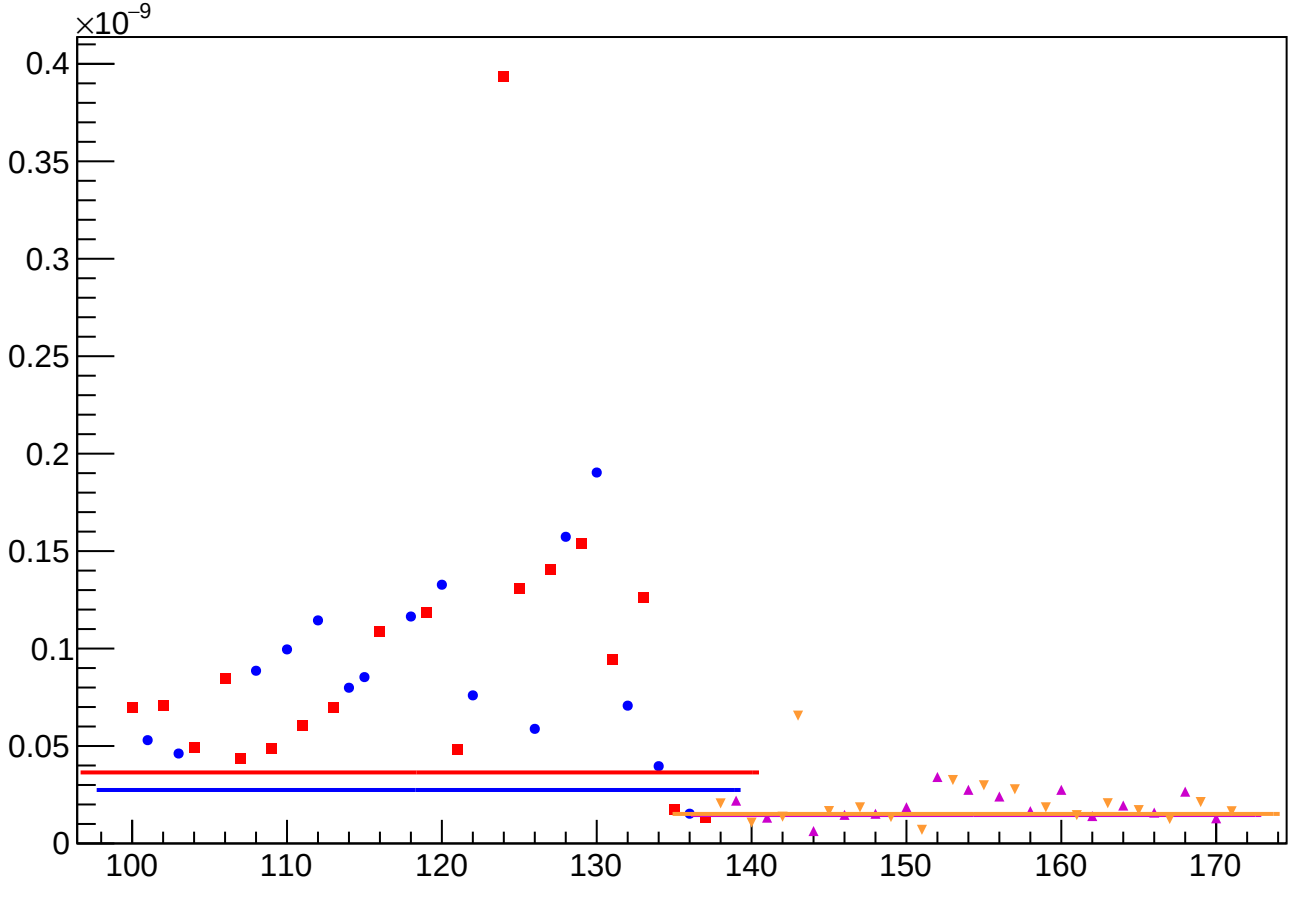
Left: -0.000+/-0.000 χ^2/NDF: 31.6/33

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:28.1/31

Out: -0.000+/-0.000 χ^2/NDF:34.5/36

All: -0.000+/-0.000 χ^2/NDF: 62.6/68



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:1729553.5/15

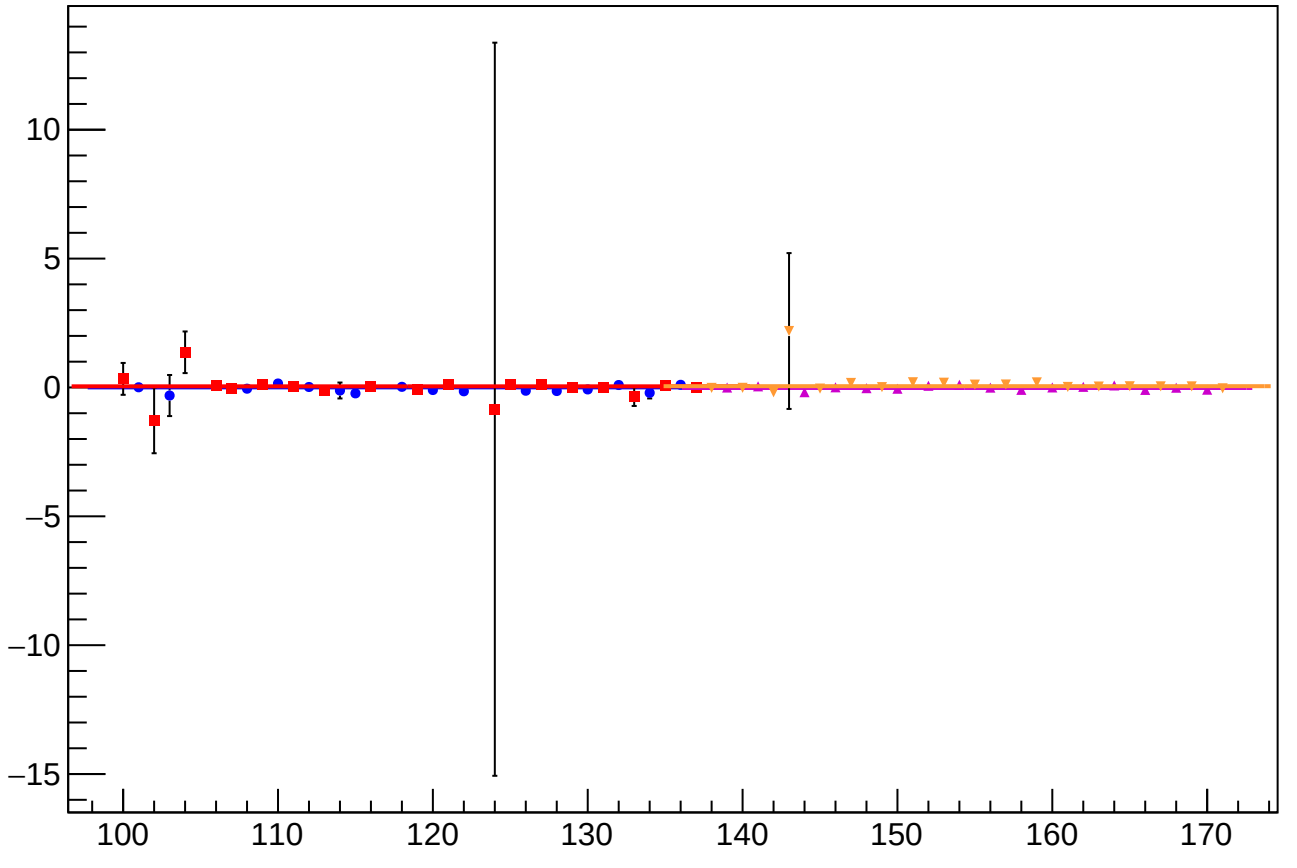
Left: 0.000+/-0.000 χ^2/NDF: 3378835.8/33

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5066443.0/31

Out: 0.000+/-0.000 χ^2/NDF:5175089.9/36

All: 0.000+/-0.000 χ^2/NDF: 10249352.3/68



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: -0.019+/-0.017 χ^2/NDF:11.8/15

Left: 0.015+/-0.012 χ^2/NDF: 39.5/33

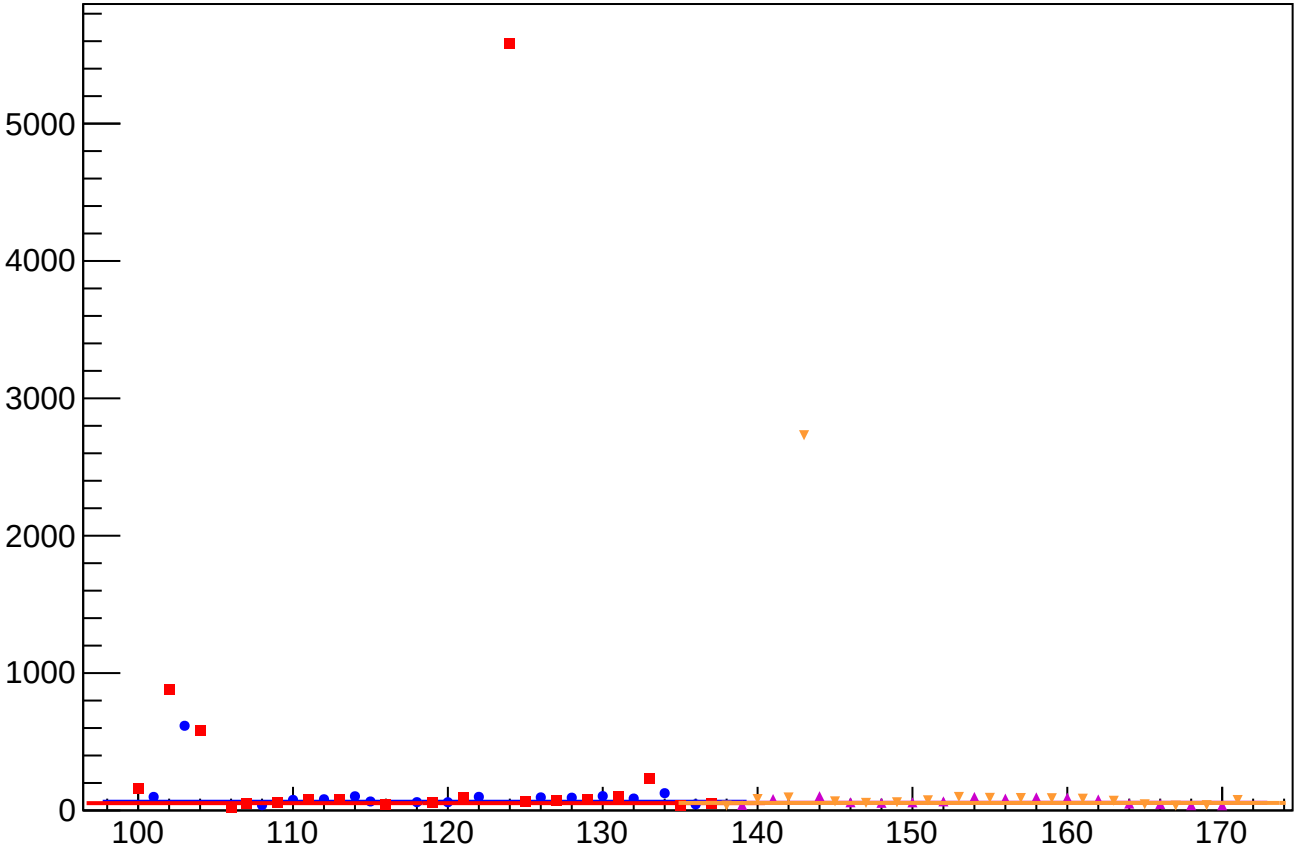
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.047+/-0.014 χ^2/NDF:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 66.9/68

asym_at2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 55.974+/-0.012 χ^2/NDF:2652111.3/15

Left: 55.407+/-0.009 χ^2/NDF: 7203803.1/33

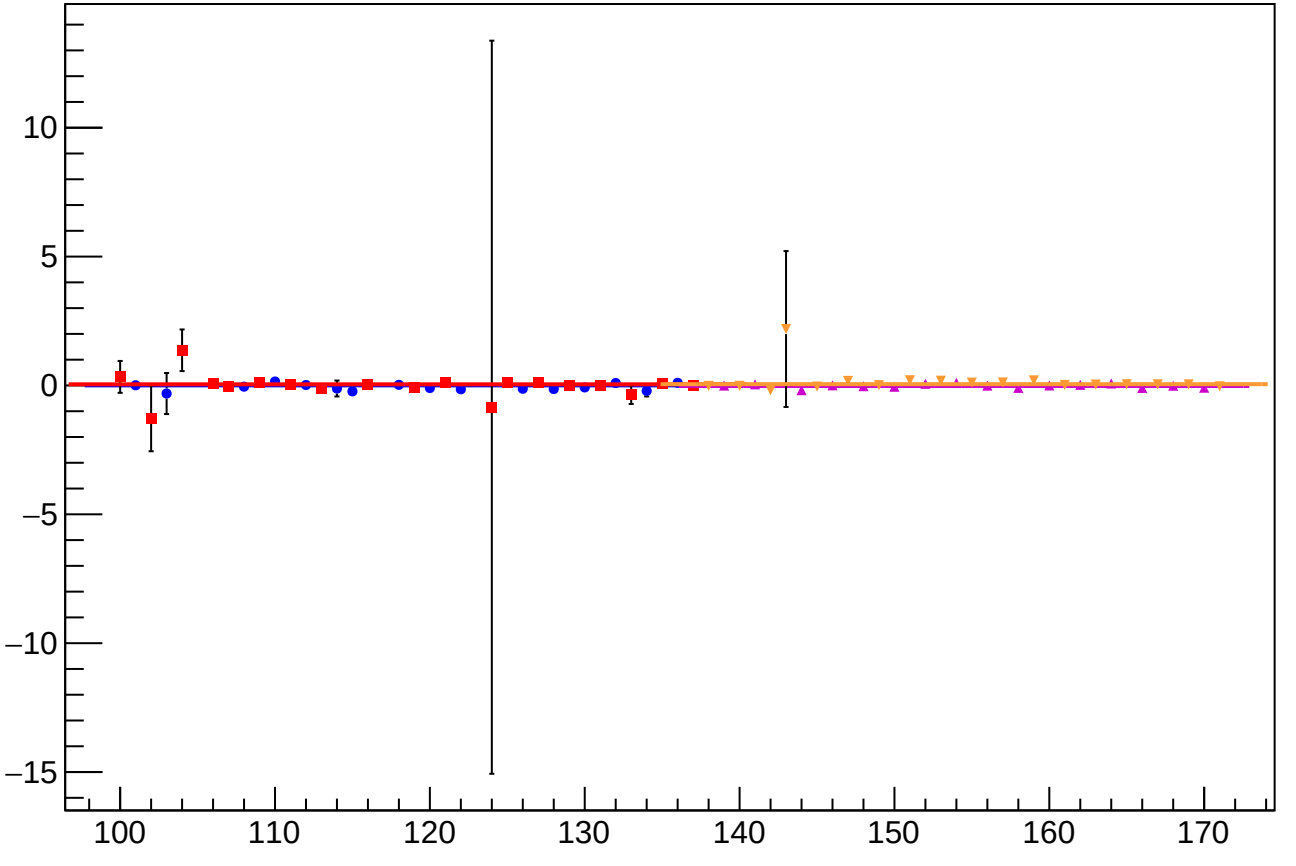
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.107+/-0.010 χ^2/NDF:5205370.2/31

Out: 54.320+/-0.010 χ^2/NDF:8499071.9/36

All: 56.153+/-0.007 χ^2/NDF: 13774526.4/68

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: -0.019+/-0.017 χ^2/NDF:11.8/15

Left: 0.015+/-0.012 χ^2/NDF: 39.5/33

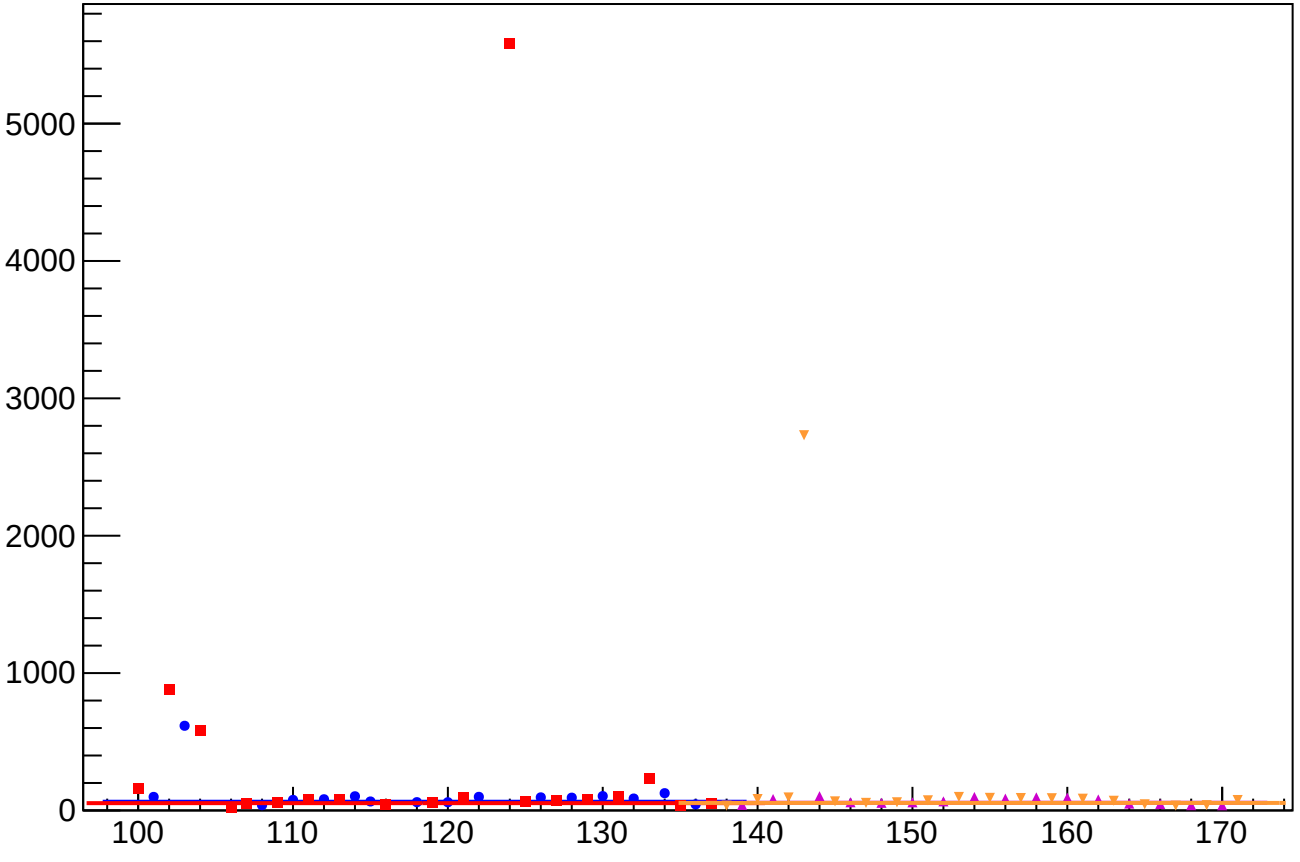
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.047+/-0.014 χ^2/NDF:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 66.9/68

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 54.847+/-0.012 χ^2/NDF:4547365.6/17

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 55.974+/-0.012 χ^2/NDF:2652111.3/15

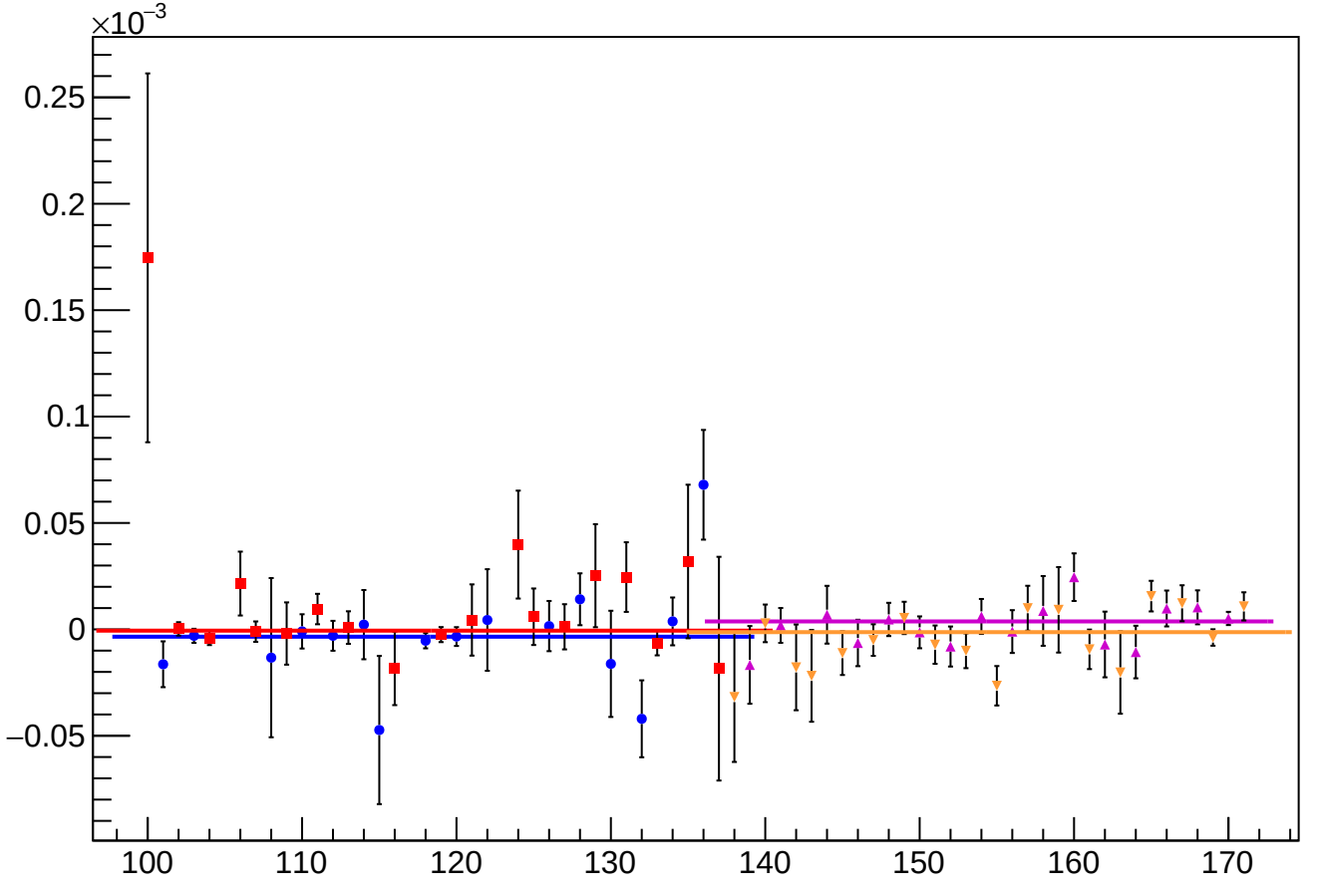
Left: 55.407+/-0.009 χ^2/NDF: 7203803.1/33

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.107+/-0.010 χ^2/NDF:5205370.2/31

Out: 54.320+/-0.010 χ^2/NDF:8499071.9/36

All: 56.153+/-0.007 χ^2/NDF: 13774526.4/68



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:11.4/15

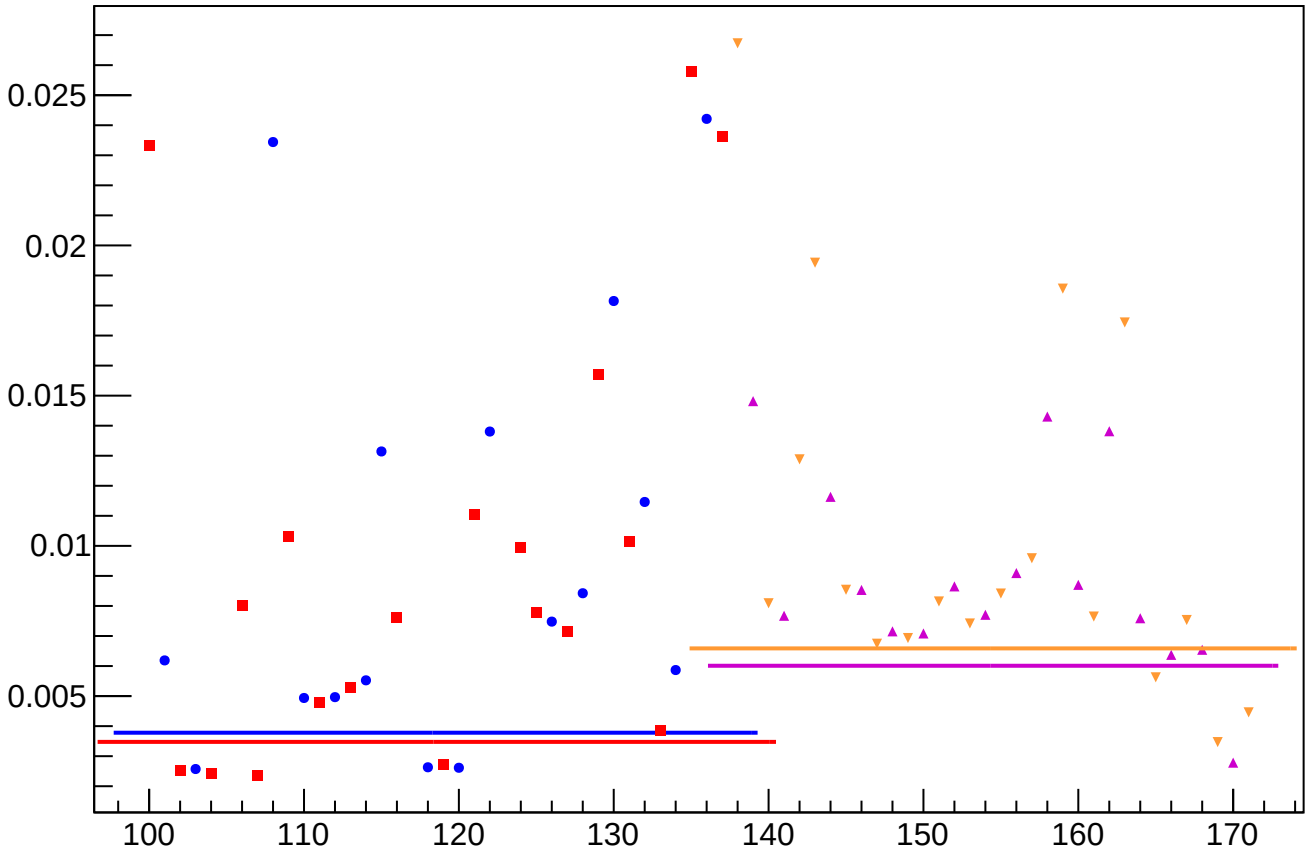
Left: 0.000+/-0.000 χ^2/NDF: 43.3/33

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:37.4/31

Out: -0.000+/-0.000 χ^2/NDF:47.9/36

All: -0.000+/-0.000 χ^2/NDF: 85.5/68



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:4860814.8/15

Left: 0.006+/-0.000 χ^2/NDF: 10107418.5/33

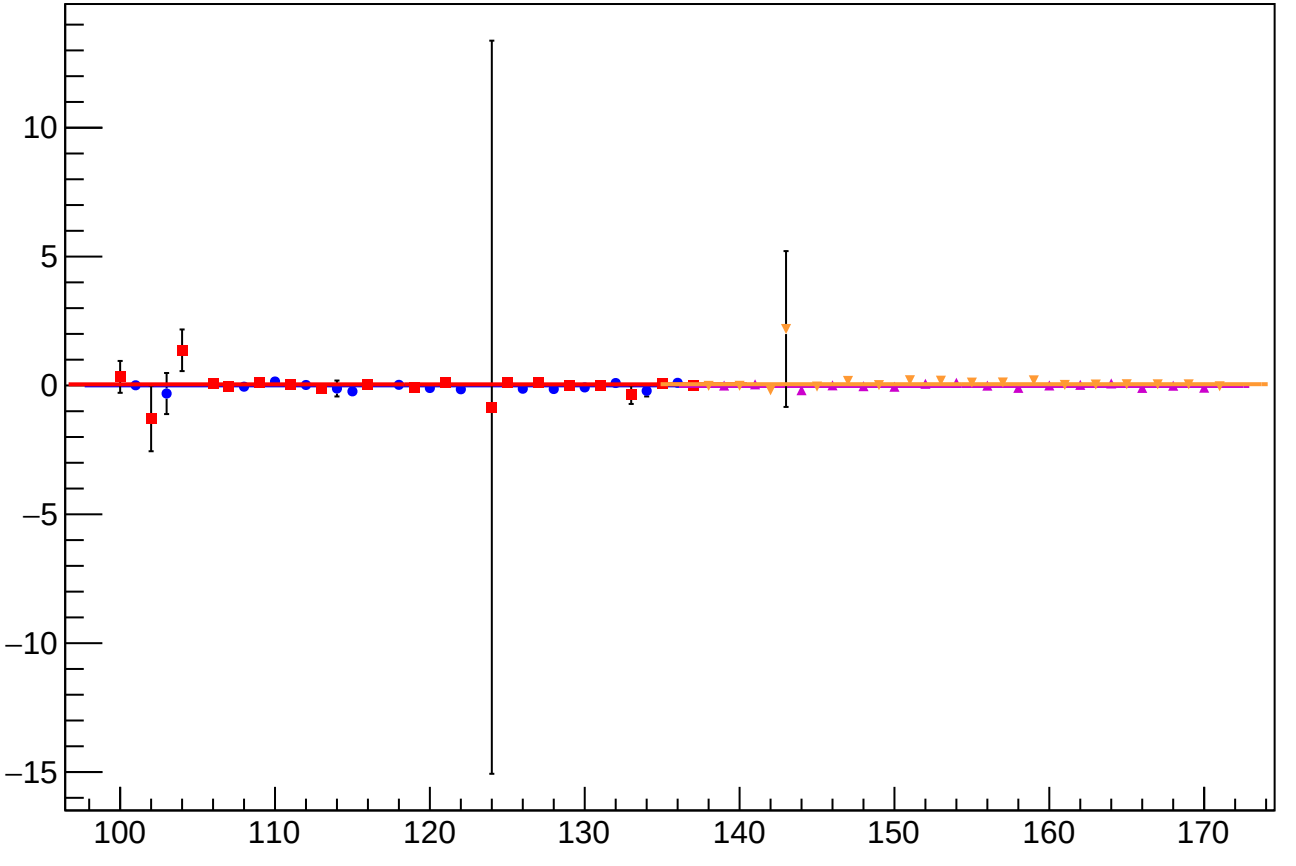
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.005+/-0.000 χ^2/NDF:10958686.1/31

Out: 0.005+/-0.000 χ^2/NDF:12697370.9/36

All: 0.005+/-0.000 χ^2/NDF: 23673794.8/68

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: -0.019+/-0.017 χ^2/NDF:11.8/15

Left: 0.015+/-0.012 χ^2/NDF: 39.5/33

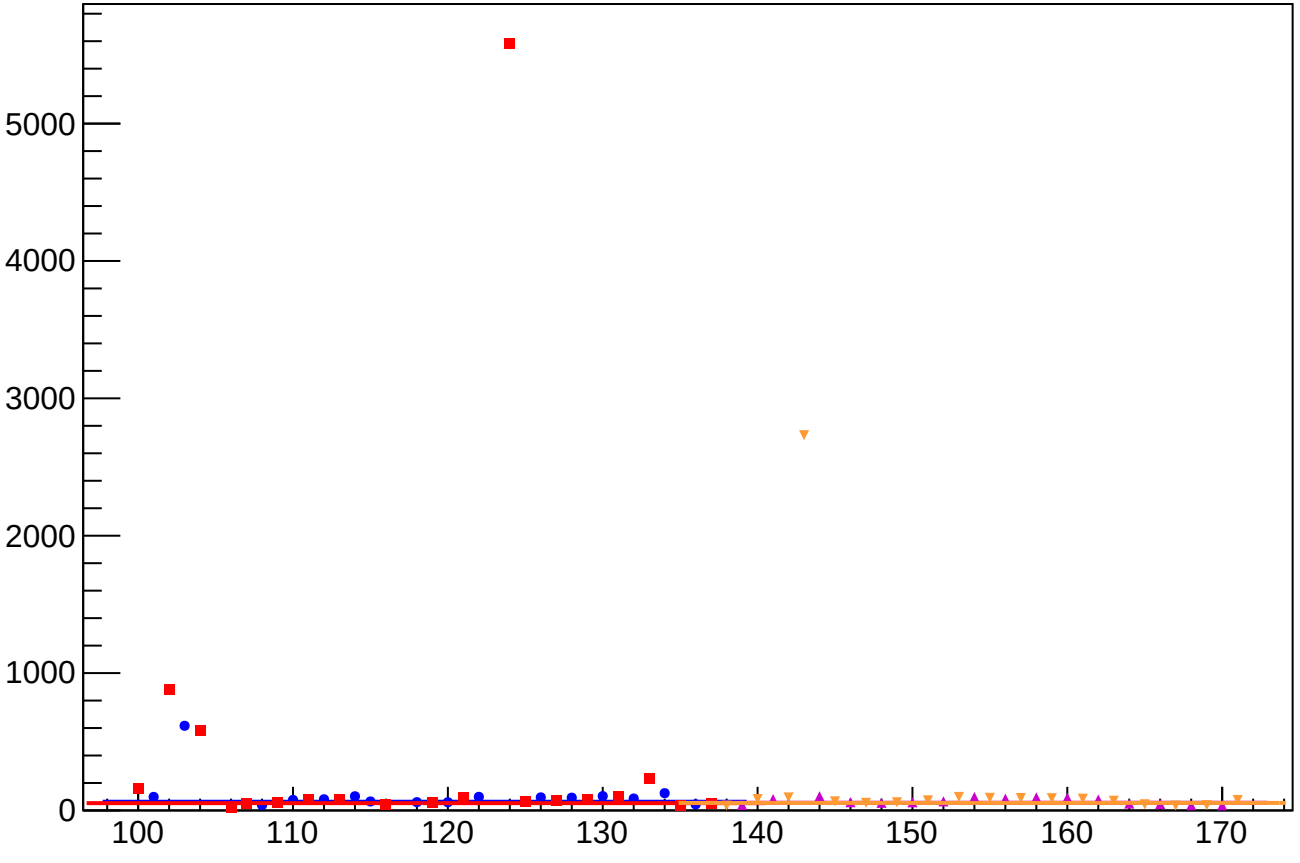
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.047+/-0.014 χ^2/NDF:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 66.9/68

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: 55.977+/-0.012 χ^2/NDF:2651697.5/15

Left: 55.408+/-0.009 χ^2/NDF: 7203132.3/33

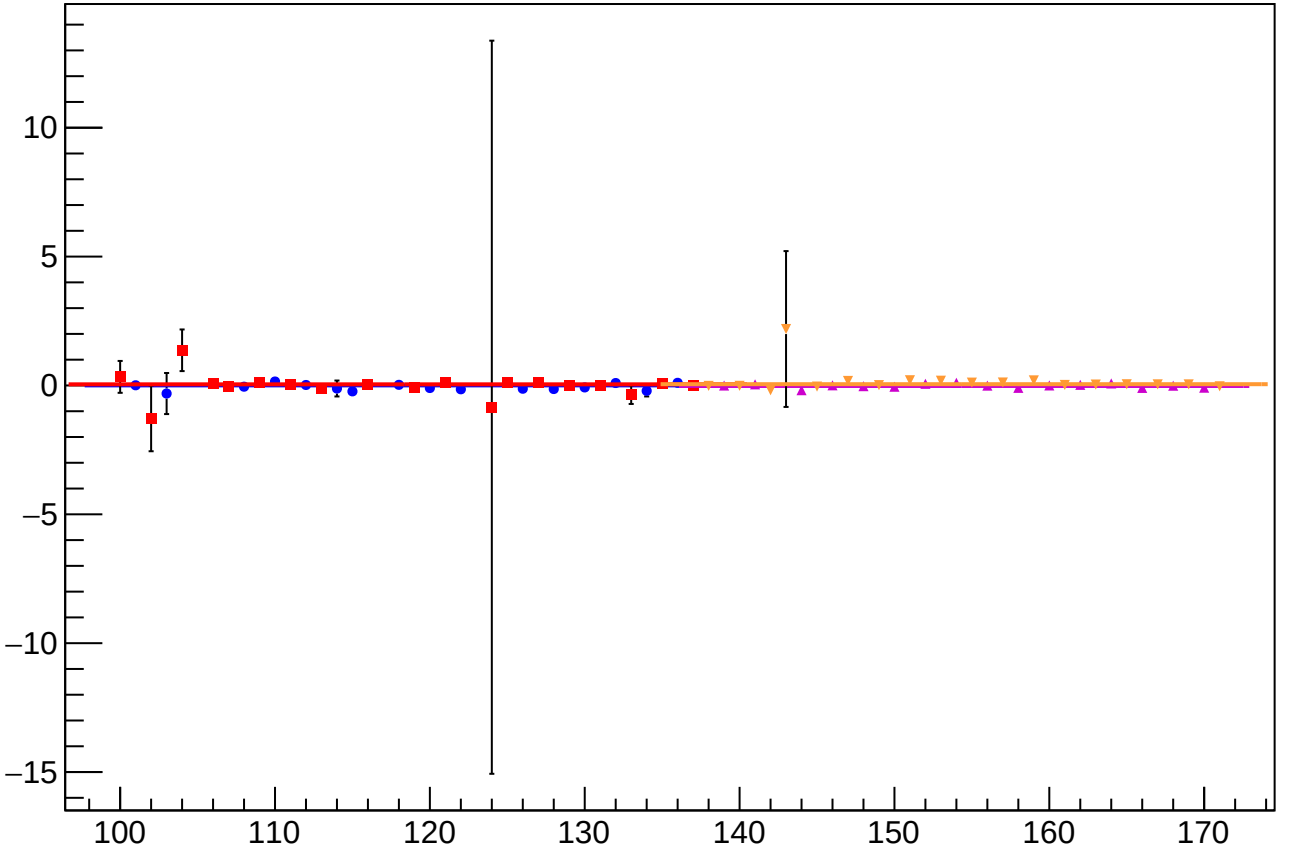
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.111+/-0.010 χ^2/NDF:5204234.6/31

Out: 54.318+/-0.010 χ^2/NDF:8499368.1/36

All: 56.154+/-0.007 χ^2/NDF: 13773920.6/68

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: -0.019+/-0.017 χ^2/NDF:11.8/15

Left: 0.015+/-0.012 χ^2/NDF: 39.5/33

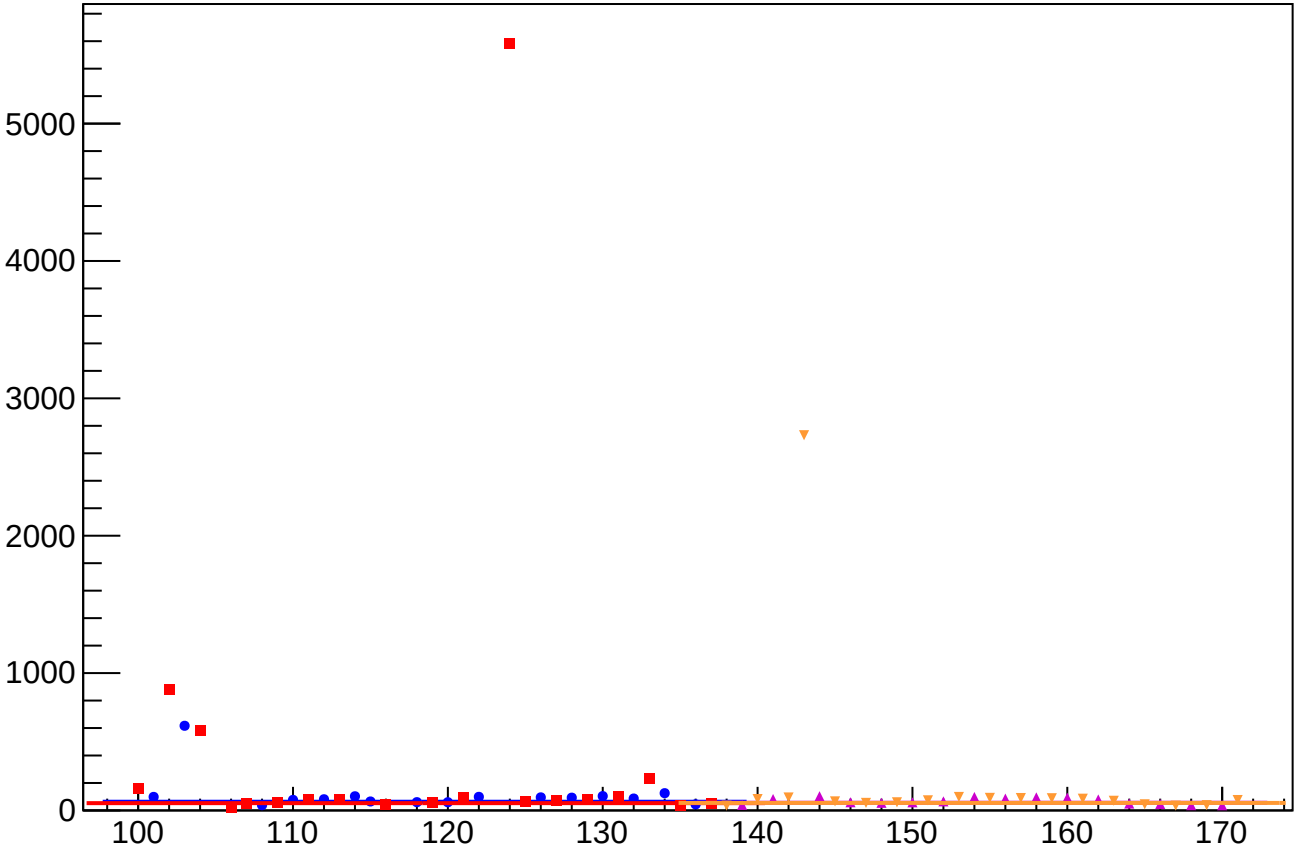
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:25.5/31

Out: 0.047+/-0.014 χ^2/NDF:32.5/36

All: 0.018+/-0.010 χ^2/NDF: 66.9/68

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: 55.977+/-0.012 χ^2/NDF:2651697.5/15

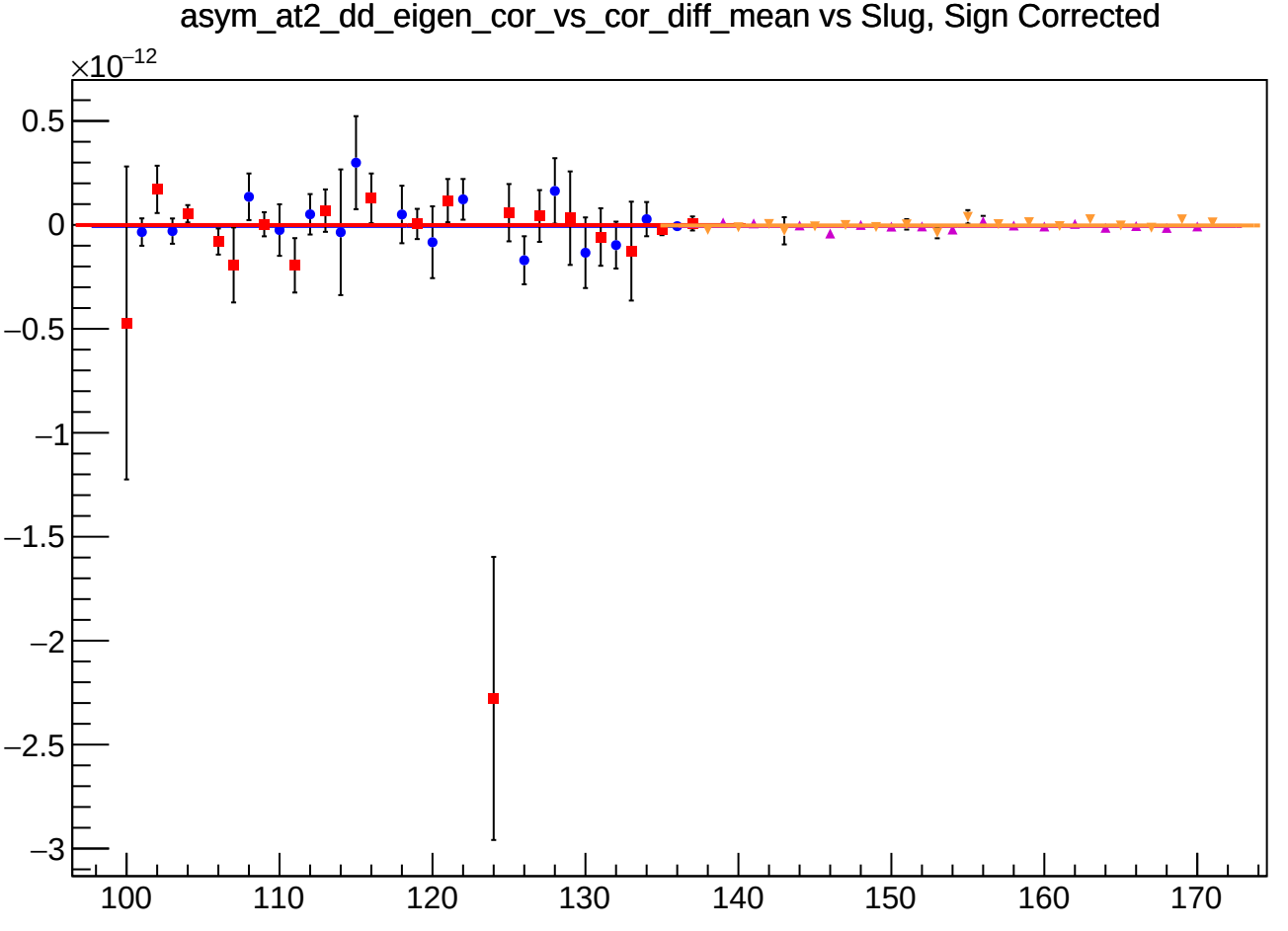
Left: 55.408+/-0.009 χ^2/NDF: 7203132.3/33

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.111+/-0.010 χ^2/NDF:5204234.6/31

Out: 54.318+/-0.010 χ^2/NDF:8499368.1/36

All: 56.154+/-0.007 χ^2/NDF: 13773920.6/68



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:9.3/15

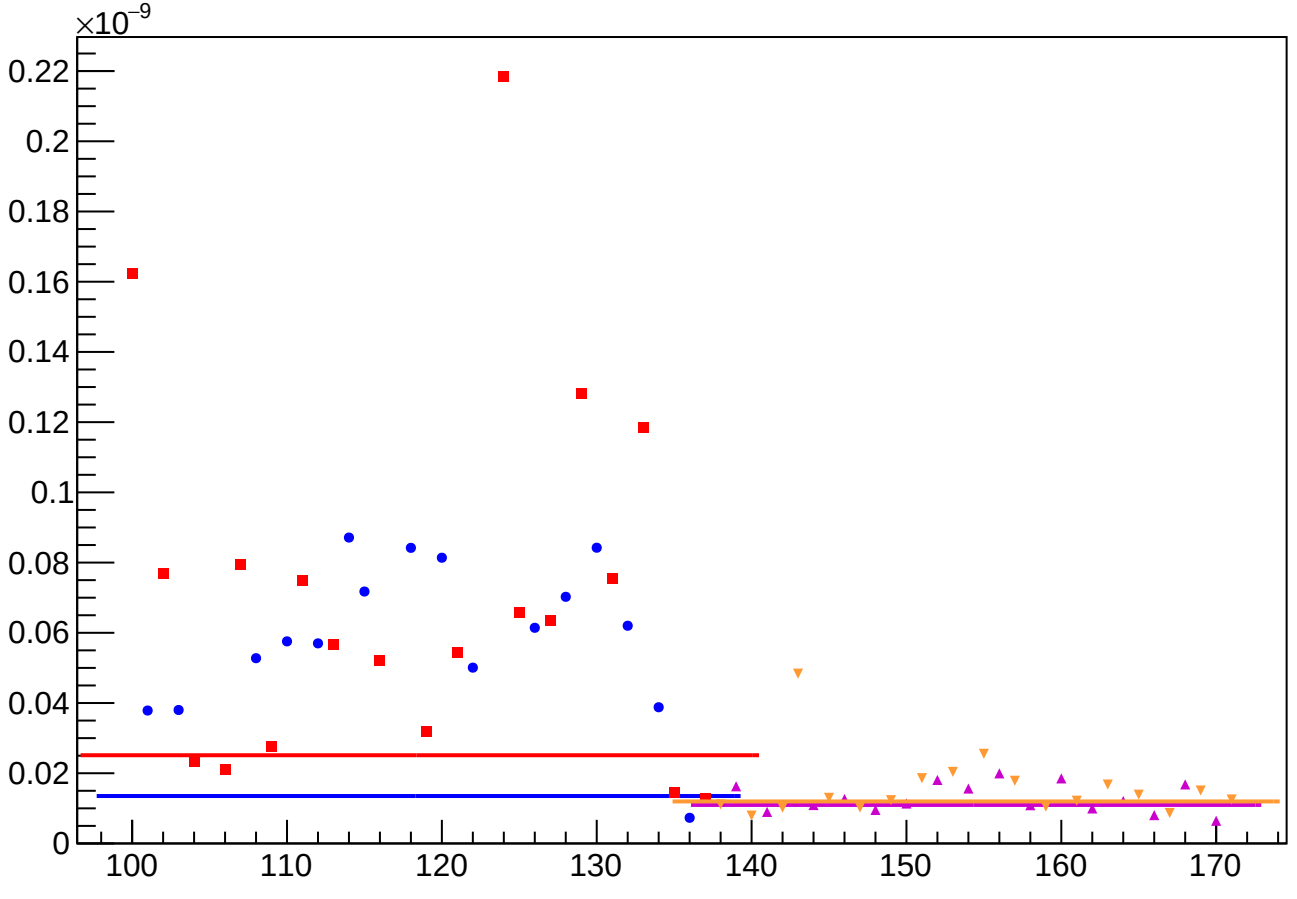
Left: -0.000+/-0.000 χ^2/NDF: 23.0/33

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:20.2/31

Out: -0.000+/-0.000 χ^2/NDF:38.6/36

All: -0.000+/-0.000 χ^2/NDF: 59.0/68



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:1614599.2/15

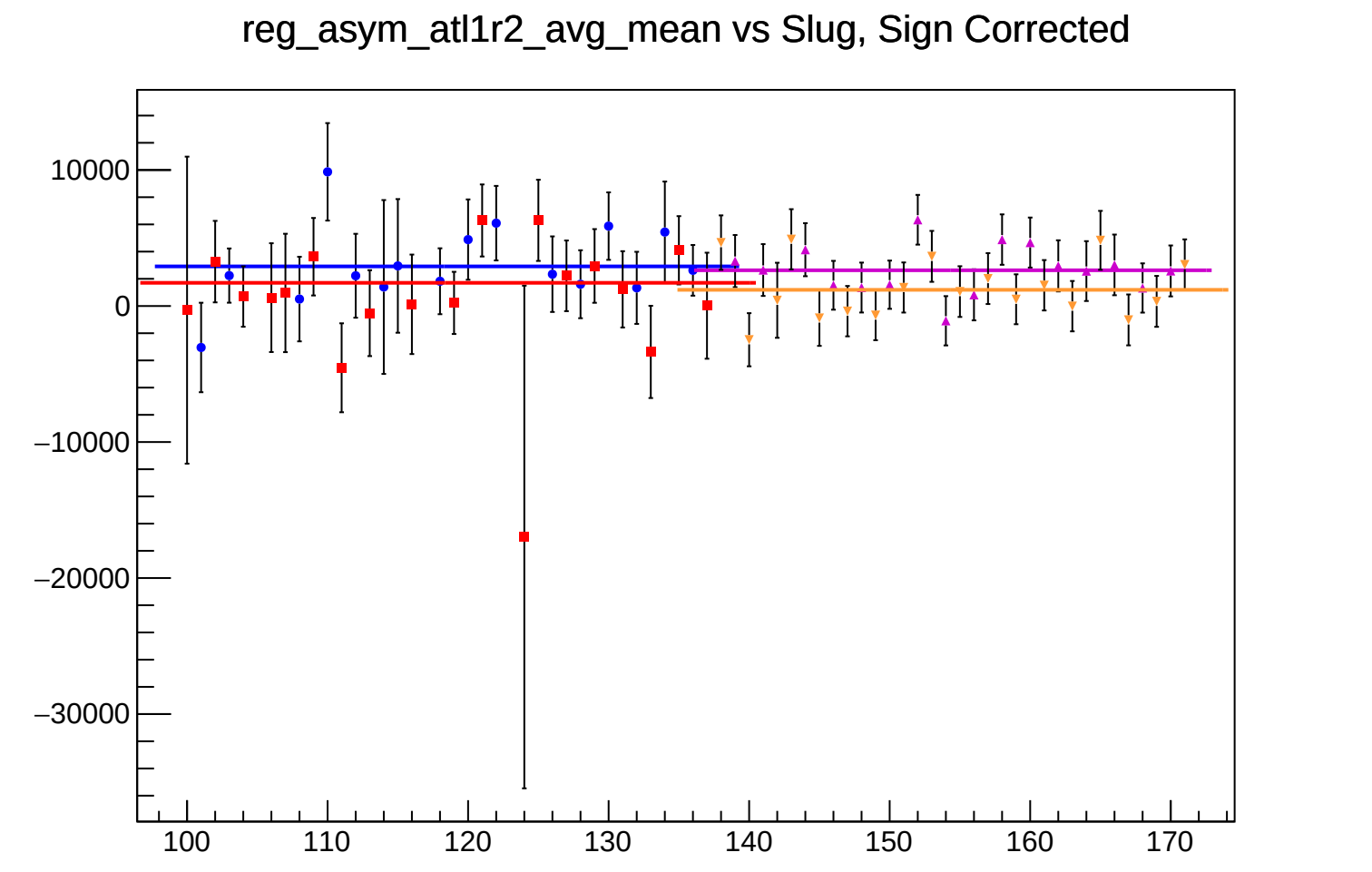
Left: 0.000+/-0.000 χ^2/NDF: 3811942.3/33

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6714718.7/31

Out: 0.000+/-0.000 χ^2/NDF:7140094.6/36

All: 0.000+/-0.000 χ^2/NDF: 14025103.2/68



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: 2628.467+/-471.834 χ^2/NDF:14.5/15

Left: 1886.406+/-328.369 χ^2/NDF: 39.4/33

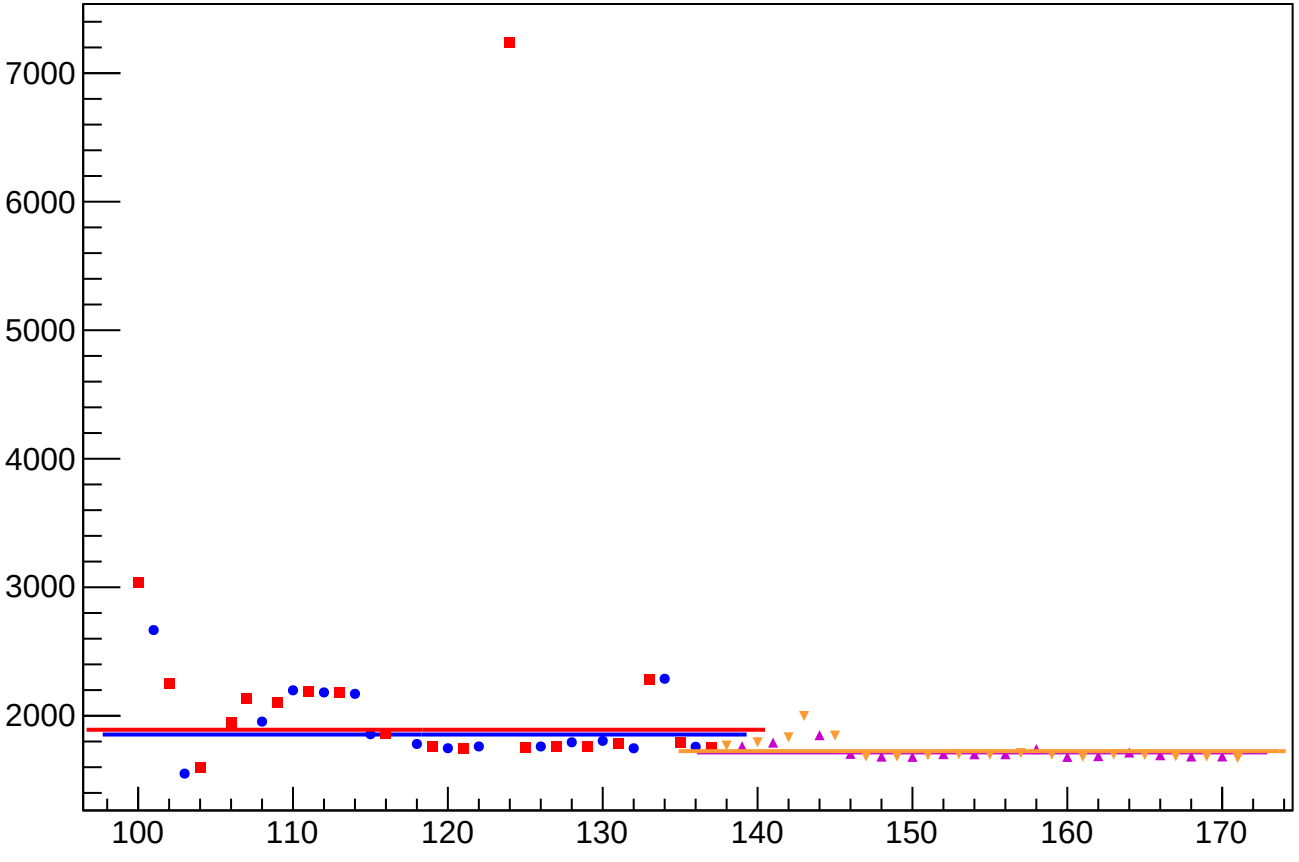
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2718.221+/-390.383 χ^2/NDF:27.0/31

Out: 1341.513+/-383.939 χ^2/NDF:36.4/36

All: 2018.411+/-273.736 χ^2/NDF: 69.7/68

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: 1715.059+/-0.334 χ^2/NDF:18661.7/15

Left: 1720.238+/-0.232 χ^2/NDF: 72622.6/33

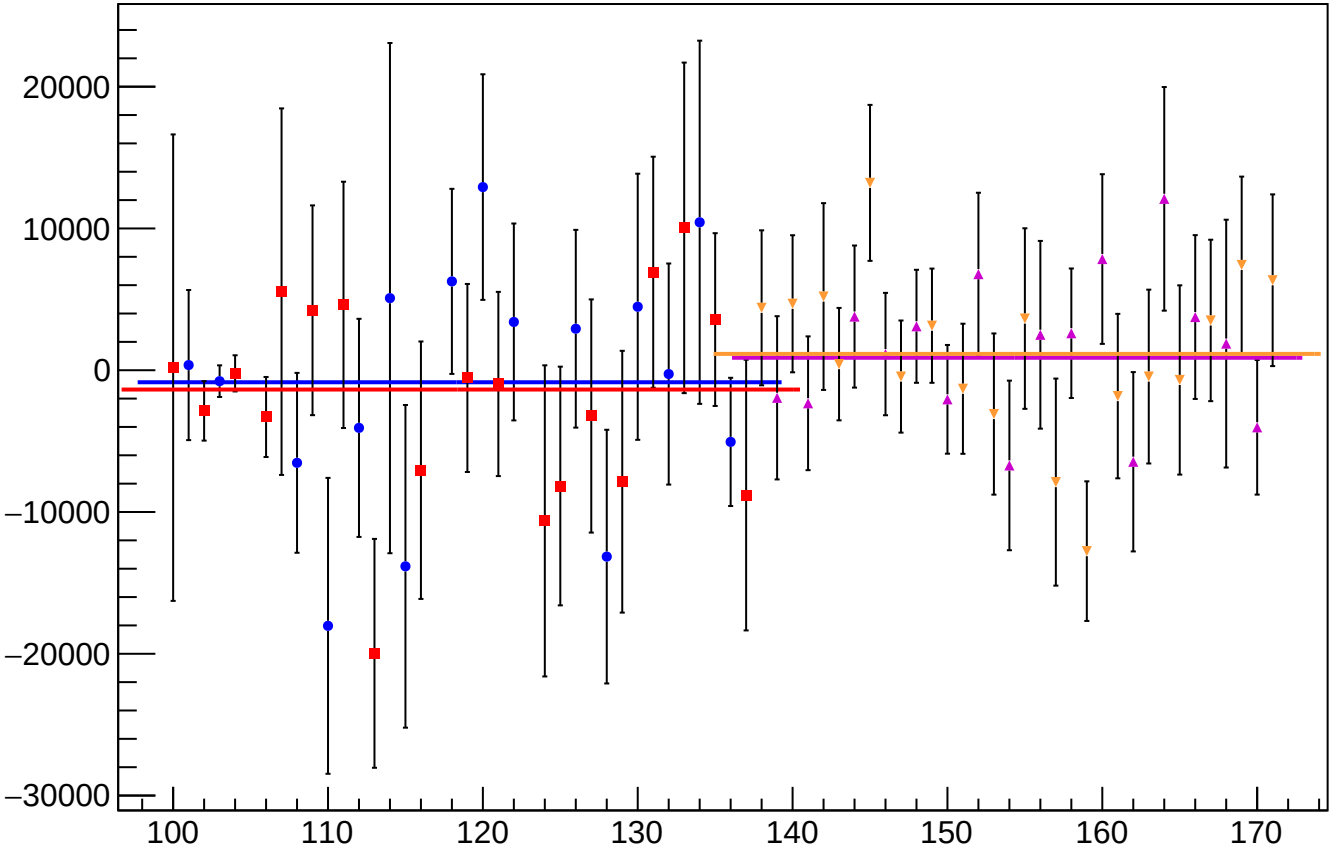
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1758.987+/-0.276 χ^2/NDF:336938.9/31

Out: 1774.346+/-0.271 χ^2/NDF:495906.1/36

All: 1766.800+/-0.193 χ^2/NDF: 834419.8/68

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



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: 879.610+/-1307.448 χ^2/NDF:10.9/15

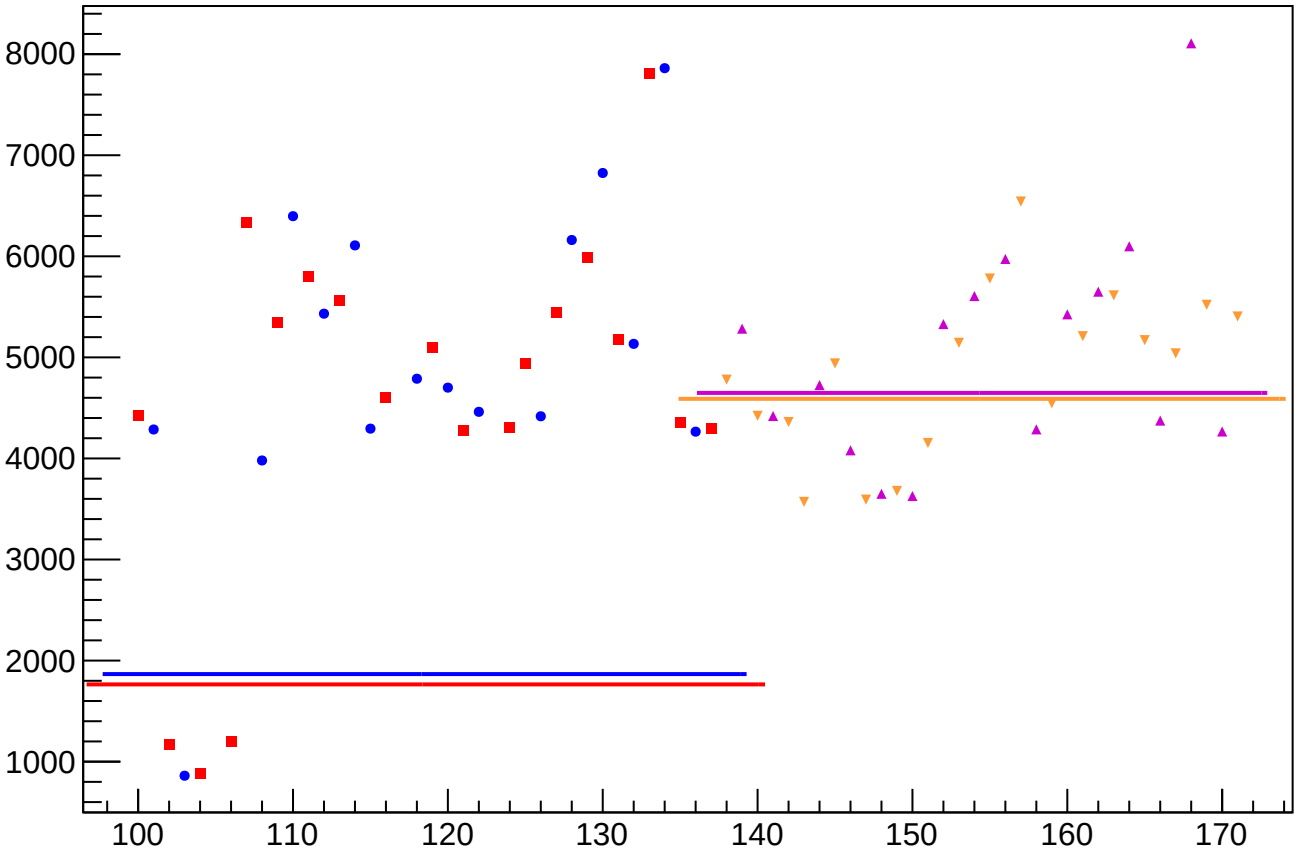
Left: 1022.874+/-900.830 χ^2/NDF: 30.2/33

Right: -1117.587+/-663.649 χ^2/NDF: 28.0/34

In: -240.444+/-775.335 χ^2/NDF:25.9/31

Out: -476.827+/-737.347 χ^2/NDF:36.0/36

All: -364.568+/-534.308 χ^2/NDF: 61.9/68



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: 4648.328+/-0.925 χ^2/NDF:985414.7/15

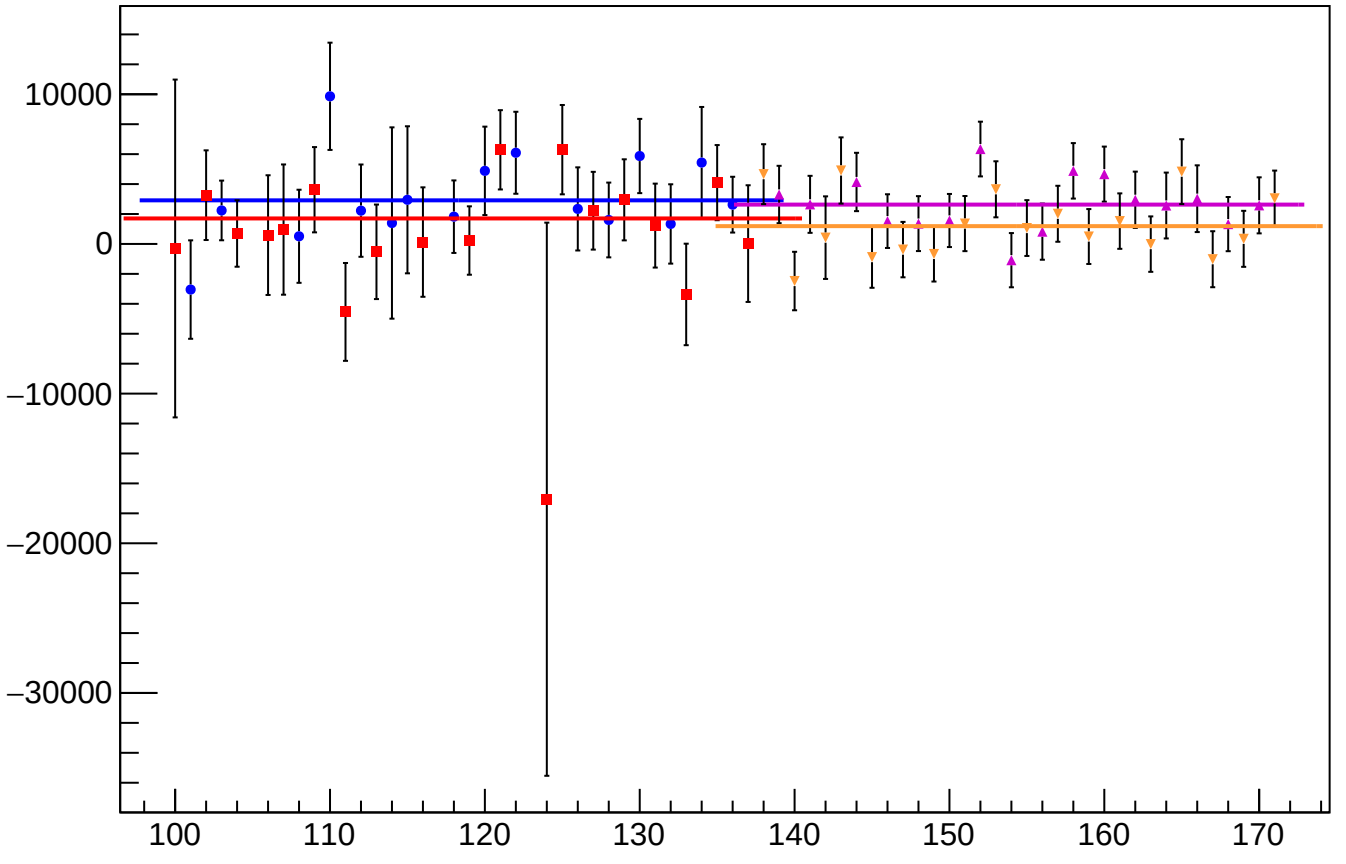
Left: 4617.648+/-0.637 χ^2/NDF: 1801728.4/33

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2844.712+/-0.548 χ^2/NDF:13705489.7/31

Out: 2758.697+/-0.521 χ^2/NDF:13947793.3/36

All: 2799.546+/-0.378 χ^2/NDF: 27666208.5/6



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: 2628.445+/-471.834 χ^2/NDF:14.5/15

Left: 1886.327+/-328.369 χ^2/NDF: 39.4/33

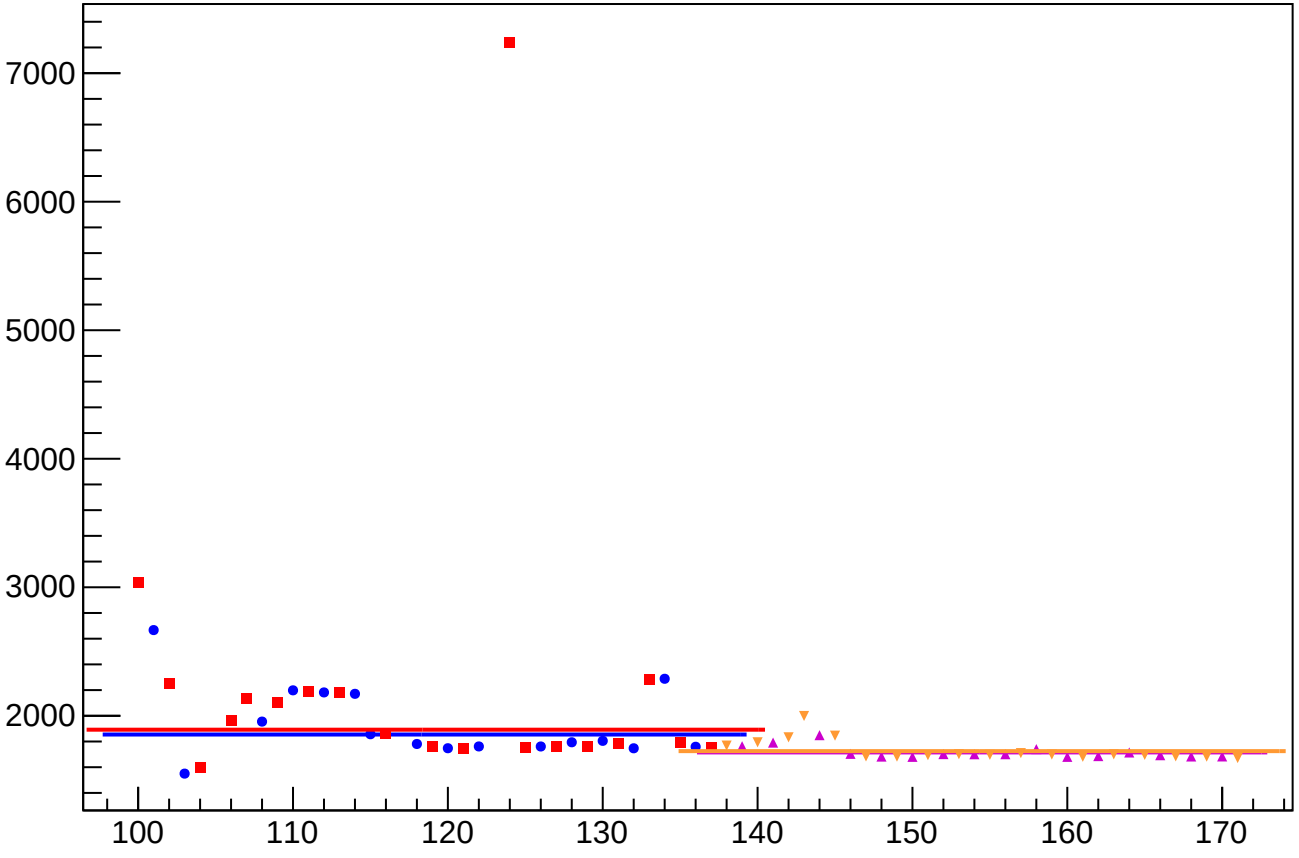
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2718.237+/-390.383 χ^2/NDF:27.0/31

Out: 1341.011+/-383.939 χ^2/NDF:36.4/36

All: 2018.164+/-273.736 χ^2/NDF: 69.7/68

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: 1715.059+/-0.334 χ^2/NDF:18661.7/15

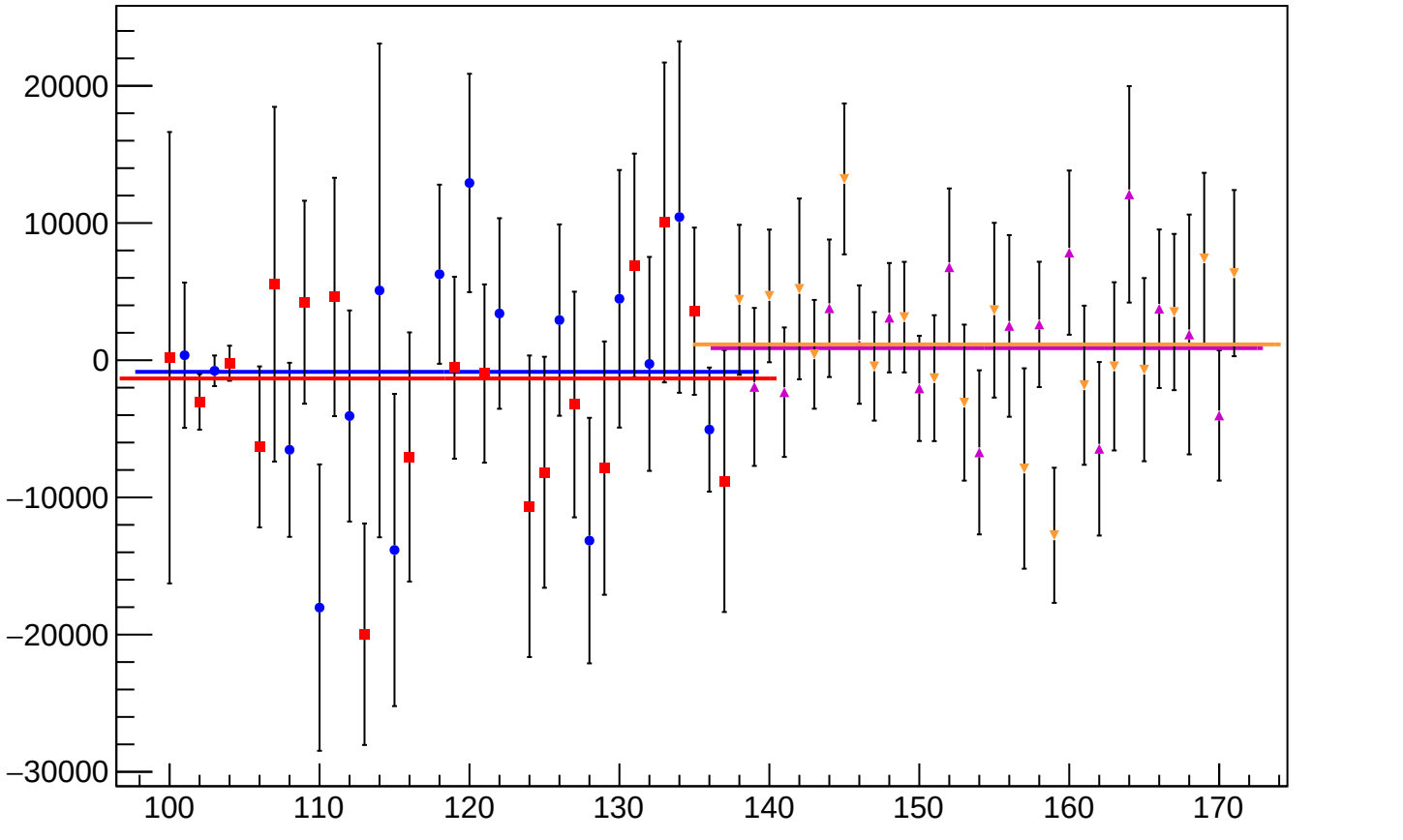
Left: 1720.238+/-0.232 χ^2/NDF: 72622.6/33

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1758.987+/-0.276 χ^2/NDF:336938.8/31

Out: 1774.466+/-0.271 χ^2/NDF:496554.9/36

All: 1766.861+/-0.193 χ^2/NDF: 835093.0/68



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: 879.669+/-1307.448 χ^2/NDF:10.9/15

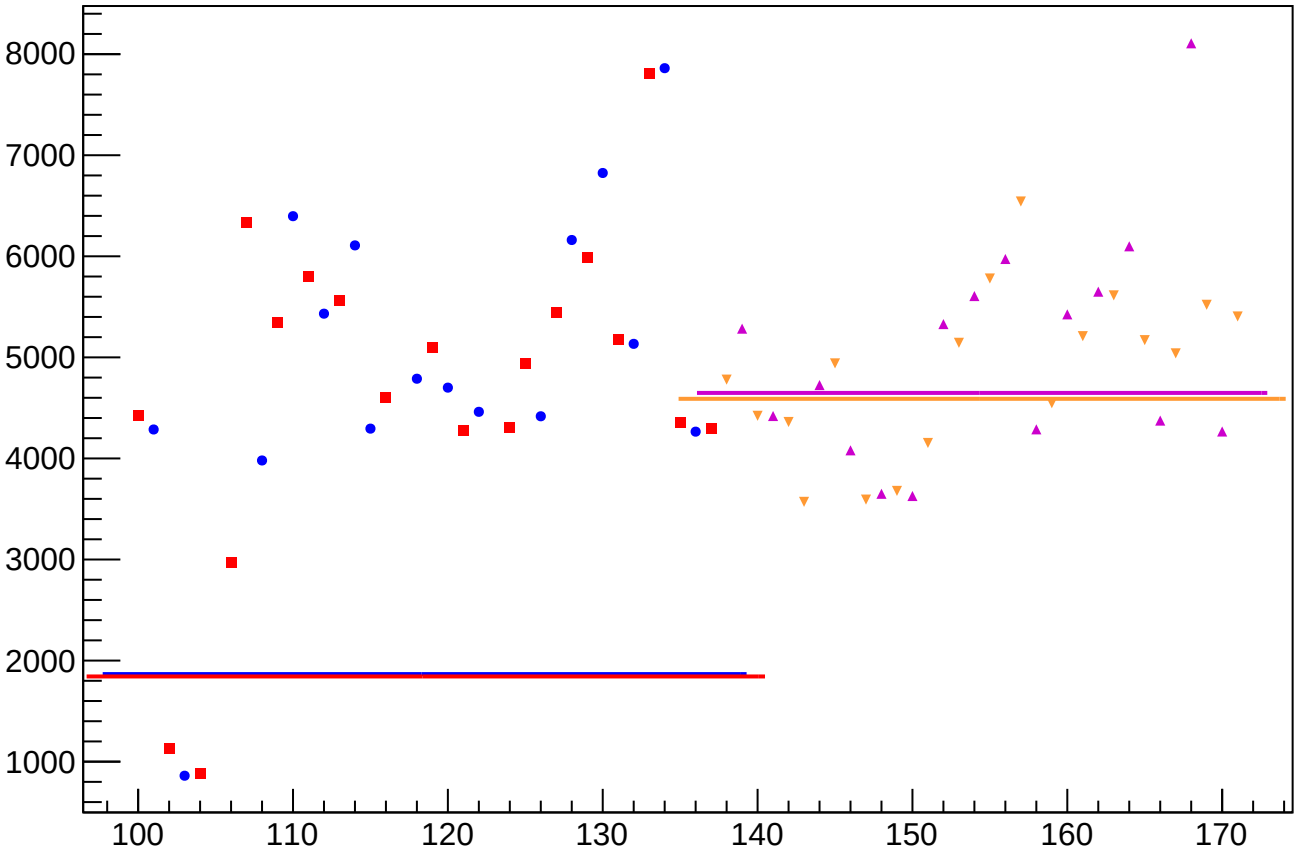
Left: 1022.896+/-900.829 χ^2/NDF: 30.2/33

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -240.159+/-775.307 χ^2/NDF:25.9/31

Out: -417.708+/-753.857 χ^2/NDF:36.3/36

All: -331.424+/-540.482 χ^2/NDF: 62.2/68



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: 4648.325+/-0.925 χ^2/NDF:985430.5/15

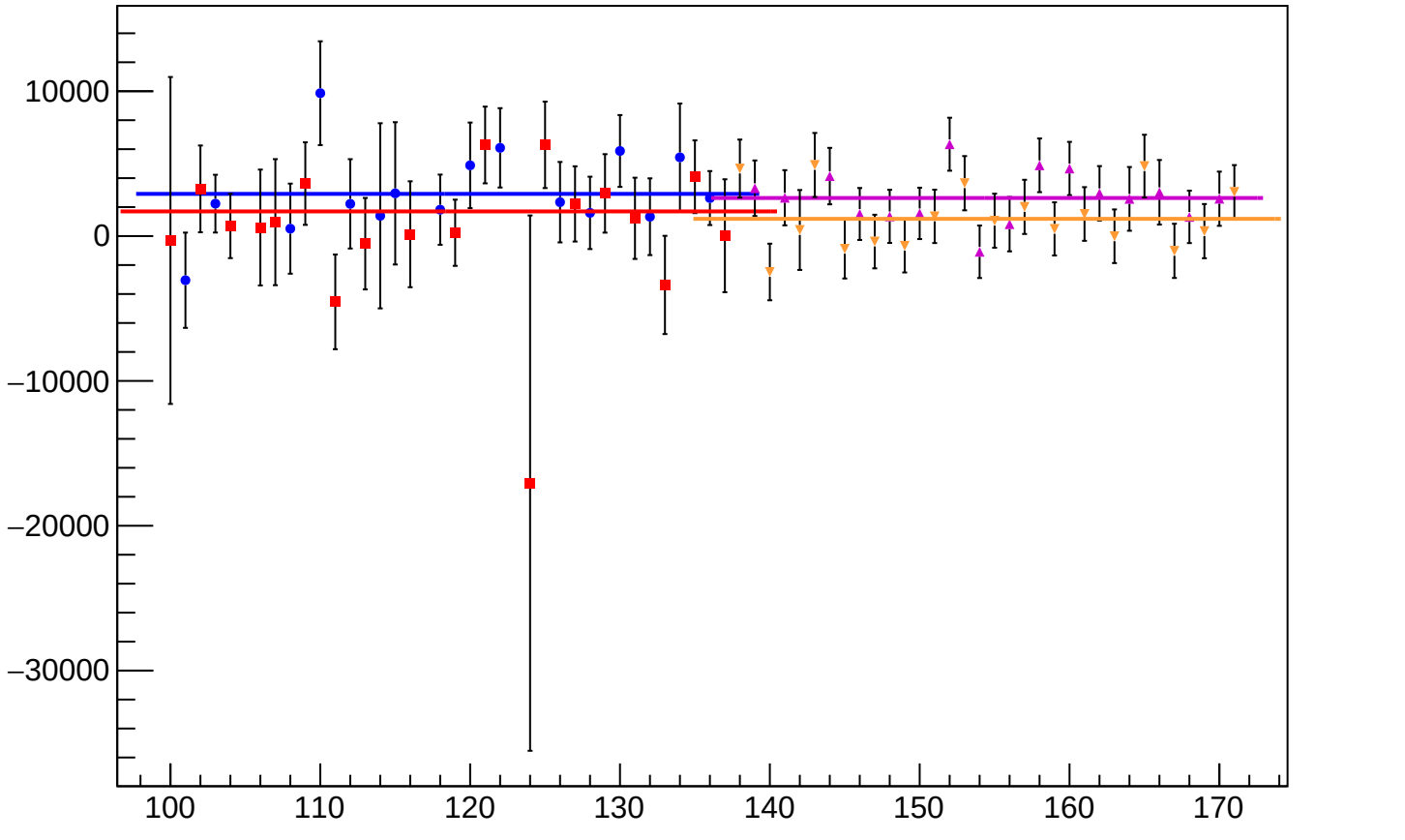
Left: 4617.643+/-0.637 χ^2/NDF: 1801755.0/33

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2844.542+/-0.548 χ^2/NDF:13706795.0/31

Out: 2853.412+/-0.533 χ^2/NDF:13448253.8/36

All: 2849.101+/-0.382 χ^2/NDF: 27155183.3/6



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: 2628.445+/-471.834 χ^2/NDF:14.5/15

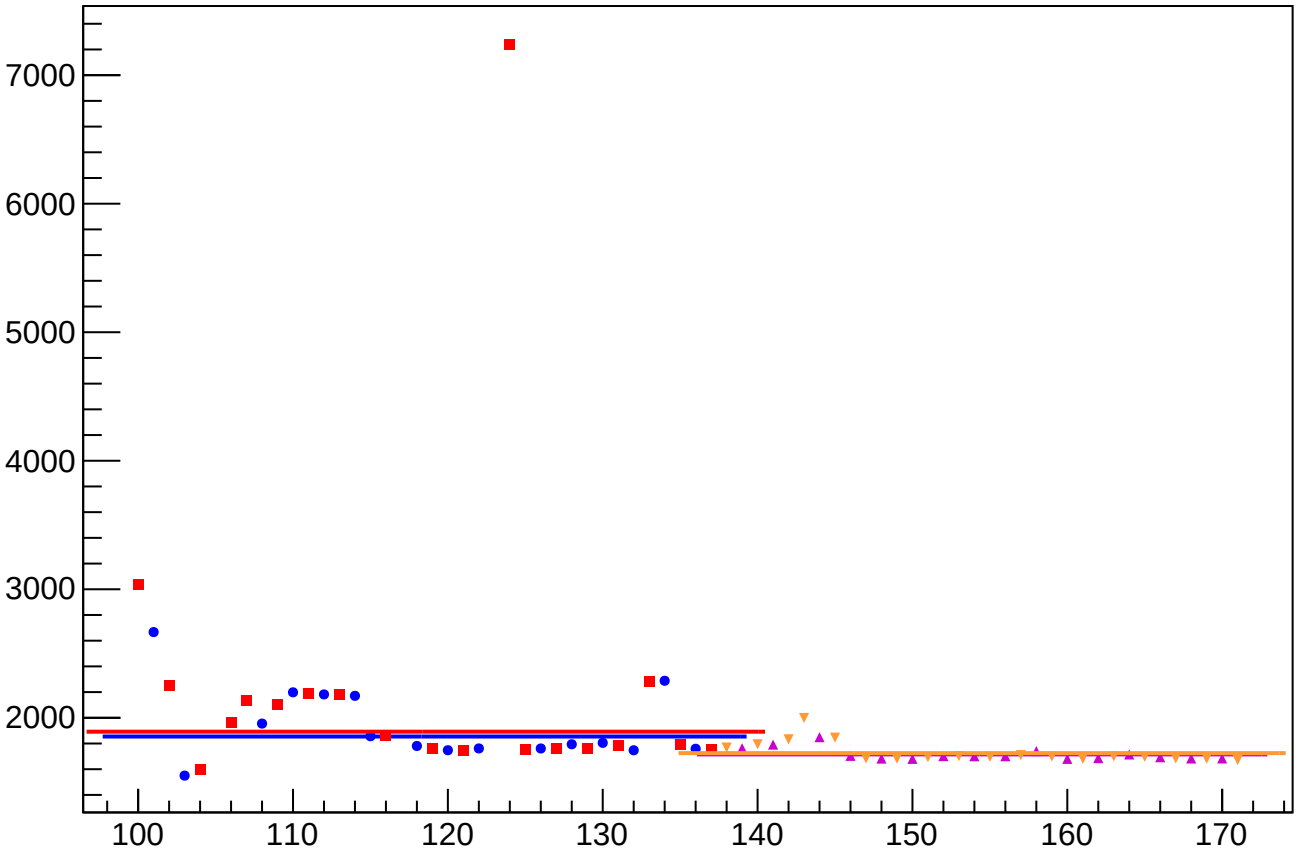
Left: 1886.327+/-328.369 χ^2/NDF: 39.4/33

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2718.237+/-390.383 χ^2/NDF:27.0/31

Out: 1341.011+/-383.939 χ^2/NDF:36.4/36

All: 2018.164+/-273.736 χ^2/NDF: 69.7/68



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: 1715.059+/-0.334 χ^2/NDF:18661.7/15

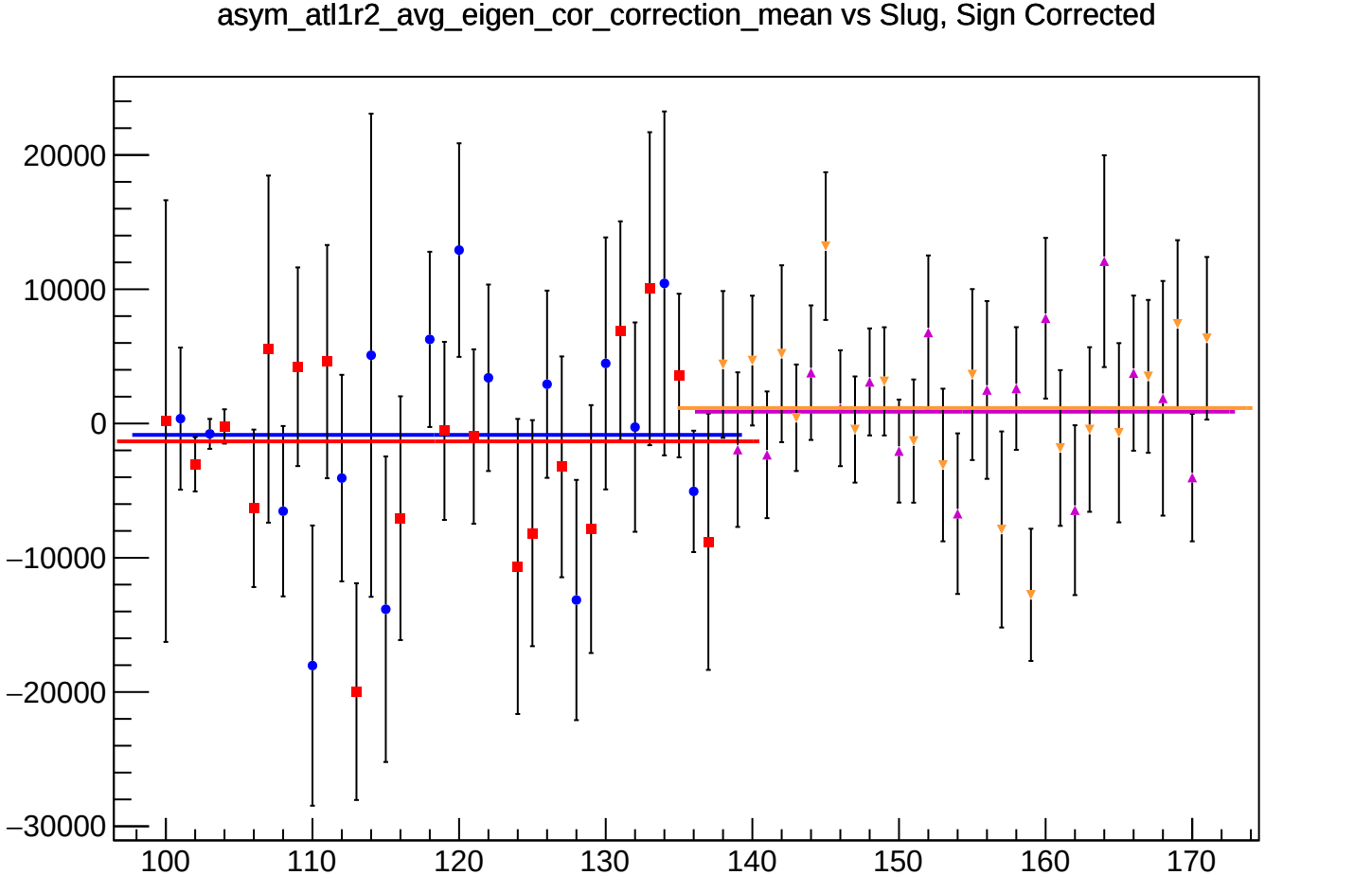
Left: 1720.238+/-0.232 χ^2/NDF: 72622.6/33

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

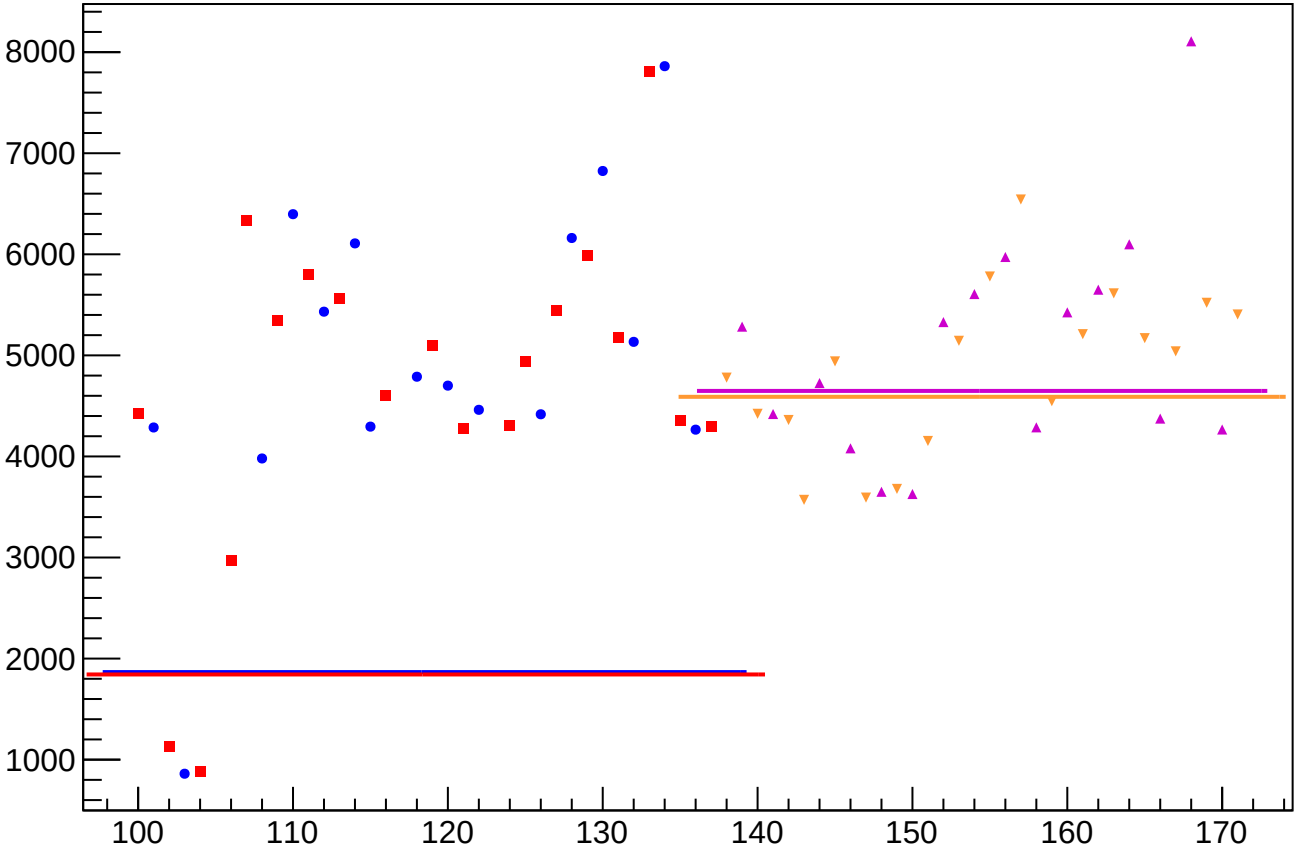
In: 1758.987+/-0.276 χ^2/NDF:336938.8/31

Out: 1774.466+/-0.271 χ^2/NDF:496554.9/36

All: 1766.861+/-0.193 χ^2/NDF: 835093.0/68


asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -847.504+/-962.866 χ²/NDF: 13.9/15
Left Out: 1152.337+/-1242.928 χ²/NDF:19.4/17
Right Out: -1331.371+/-948.163 χ²/NDF: 14.4/18
Left In: 879.669+/-1307.448 χ²/NDF:10.9/15
Left: 1022.896+/-900.829 χ²/NDF: 30.2/33
Right: -1093.160+/-675.591 χ²/NDF: 28.4/34
In: -240.159+/-775.307 χ²/NDF:25.9/31
Out: -417.708+/-753.857 χ²/NDF:36.3/36
All: -331.424+/-540.482 χ²/NDF: 62.2/68

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4589.914+/-0.879 χ^2/NDF:814227.7/17

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4648.325+/-0.925 χ^2/NDF:985430.5/15

Left: 4617.643+/-0.637 χ^2/NDF: 1801755.0/33

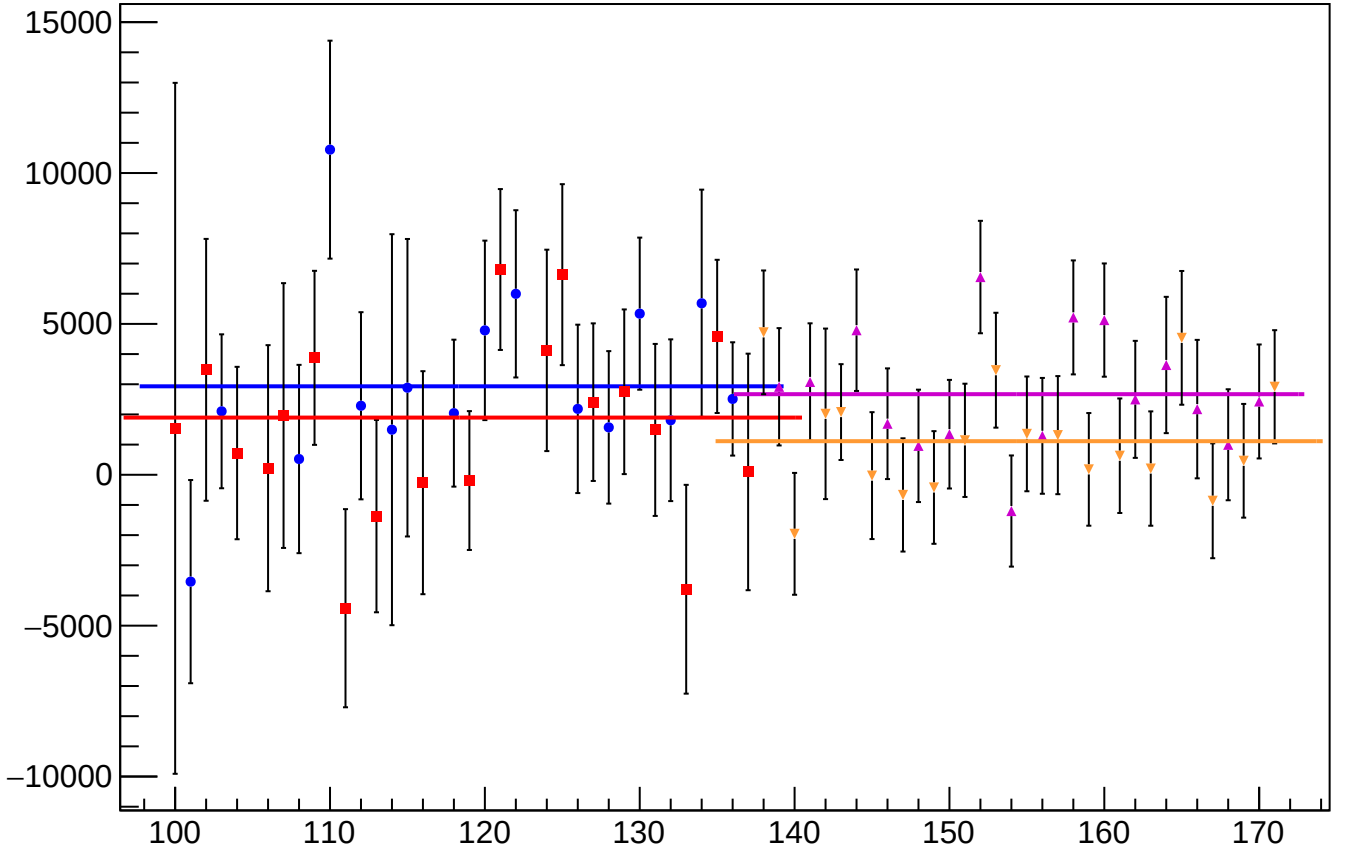
Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2844.542+/-0.548 χ^2/NDF:13706795.0/31

Out: 2853.412+/-0.533 χ^2/NDF:13448253.8/36

All: 2849.101+/-0.382 χ^2/NDF: 27155183.3/6

dit_asym_atl1r2_avg_mean vs Slug, Sign Corrected



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: 2671.129+/-481.287 χ^2/NDF:16.7/15

Left: 1851.914+/-331.400 χ^2/NDF: 36.6/33

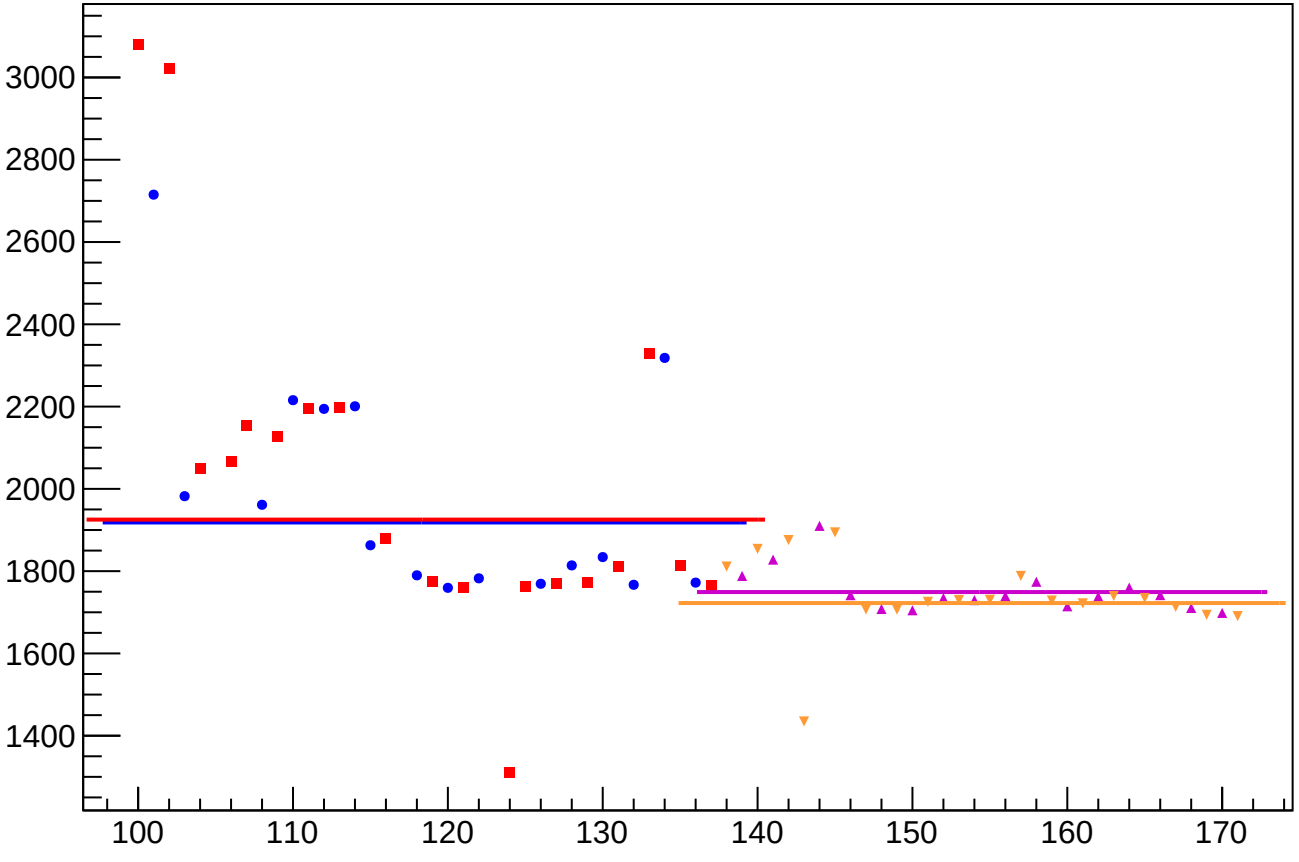
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2751.862+/-399.833 χ^2/NDF:29.8/31

Out: 1337.066+/-386.137 χ^2/NDF:32.6/36

All: 2019.818+/-277.756 χ^2/NDF: 68.9/68

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: 1749.185+/-0.340 χ^2/NDF:22978.2/15

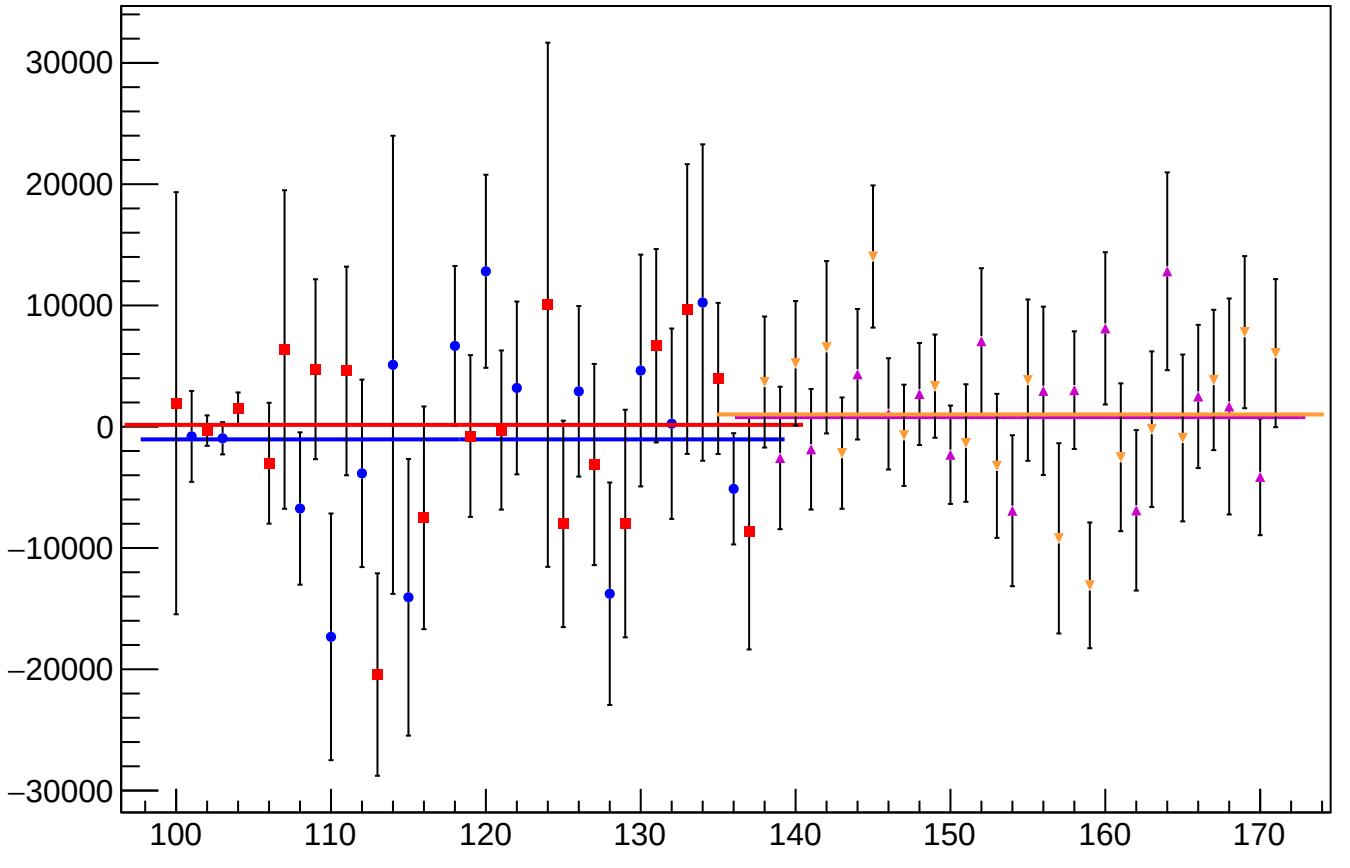
Left: 1735.126+/-0.234 χ^2/NDF: 127365.5/33

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1801.605+/-0.283 χ^2/NDF:315142.7/31

Out: 1780.535+/-0.273 χ^2/NDF:553049.3/36

All: 1790.700+/-0.196 χ^2/NDF: 871066.3/68



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: 793.398+/-1369.367 χ^2/NDF:10.8/15

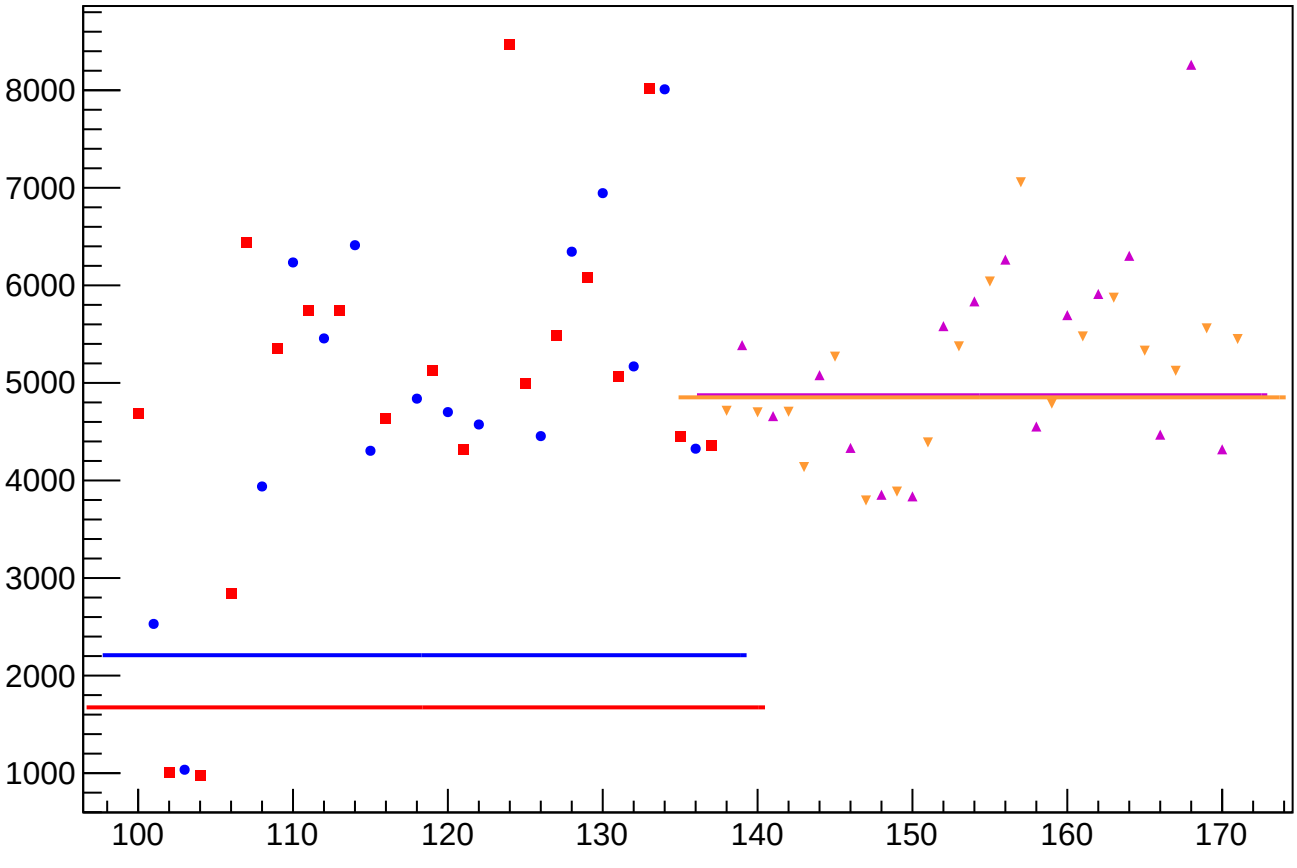
Left: 907.422+/-946.697 χ^2/NDF: 30.8/33

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -344.206+/-844.307 χ^2/NDF:25.8/31

Out: 401.766+/-704.557 χ^2/NDF:34.0/36

All: 95.544+/-540.951 χ^2/NDF: 60.2/68



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: 4873.469+/-0.968 χ^2/NDF:932558.2/15

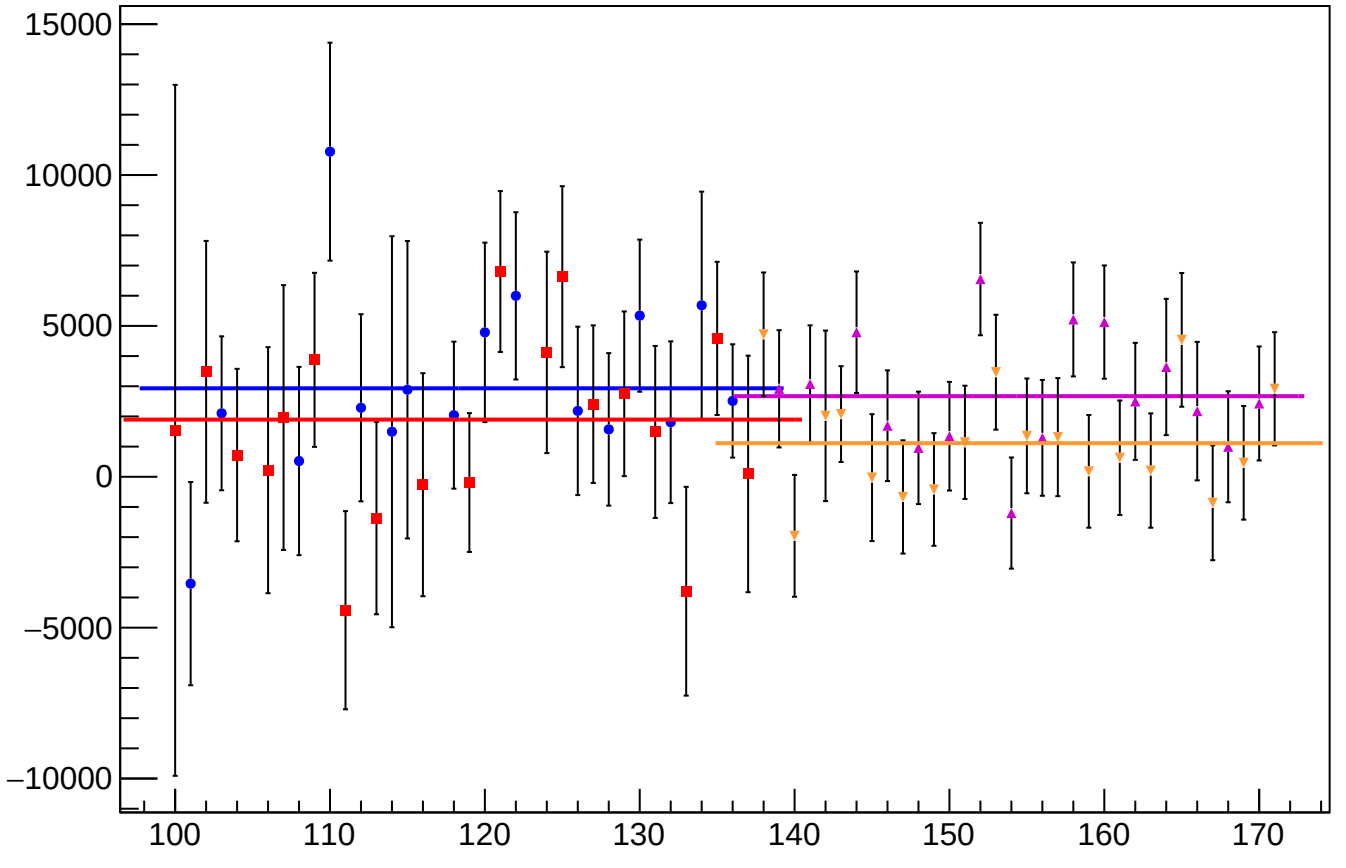
Left: 4862.287+/-0.669 χ^2/NDF: 1612548.1/33

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3221.859+/-0.597 χ^2/NDF:11125353.3/31

Out: 2593.047+/-0.498 χ^2/NDF:15896198.0/36

All: 2851.175+/-0.383 χ^2/NDF: 27675514.2/6



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: 2671.133+/-481.288 χ^2/NDF:16.7/15

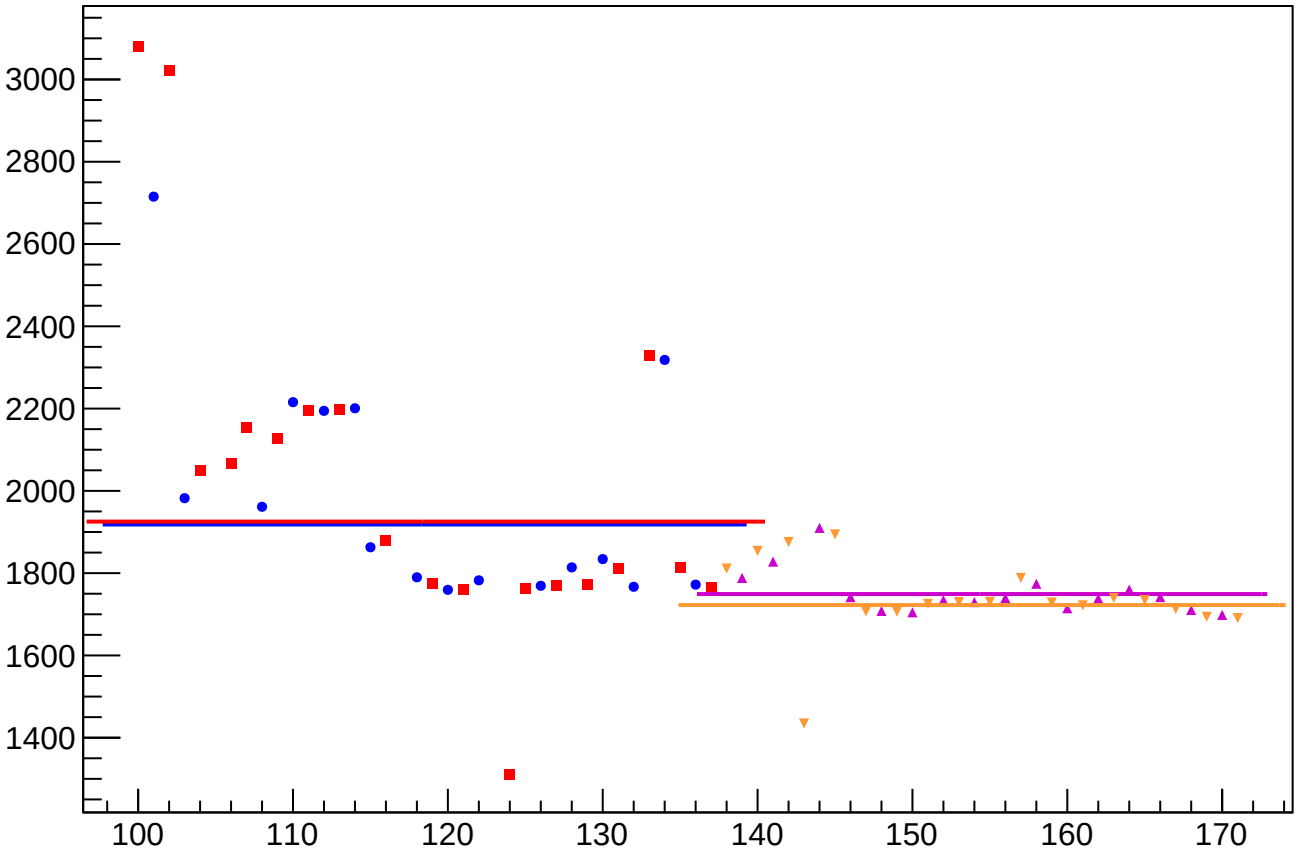
Left: 1851.913+/-331.400 χ^2/NDF: 36.6/33

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2751.865+/-399.833 χ^2/NDF:29.8/31

Out: 1337.063+/-386.137 χ^2/NDF:32.6/36

All: 2019.818+/-277.756 χ^2/NDF: 68.9/68



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: 1749.186+/-0.340 χ^2/NDF:22978.2/15

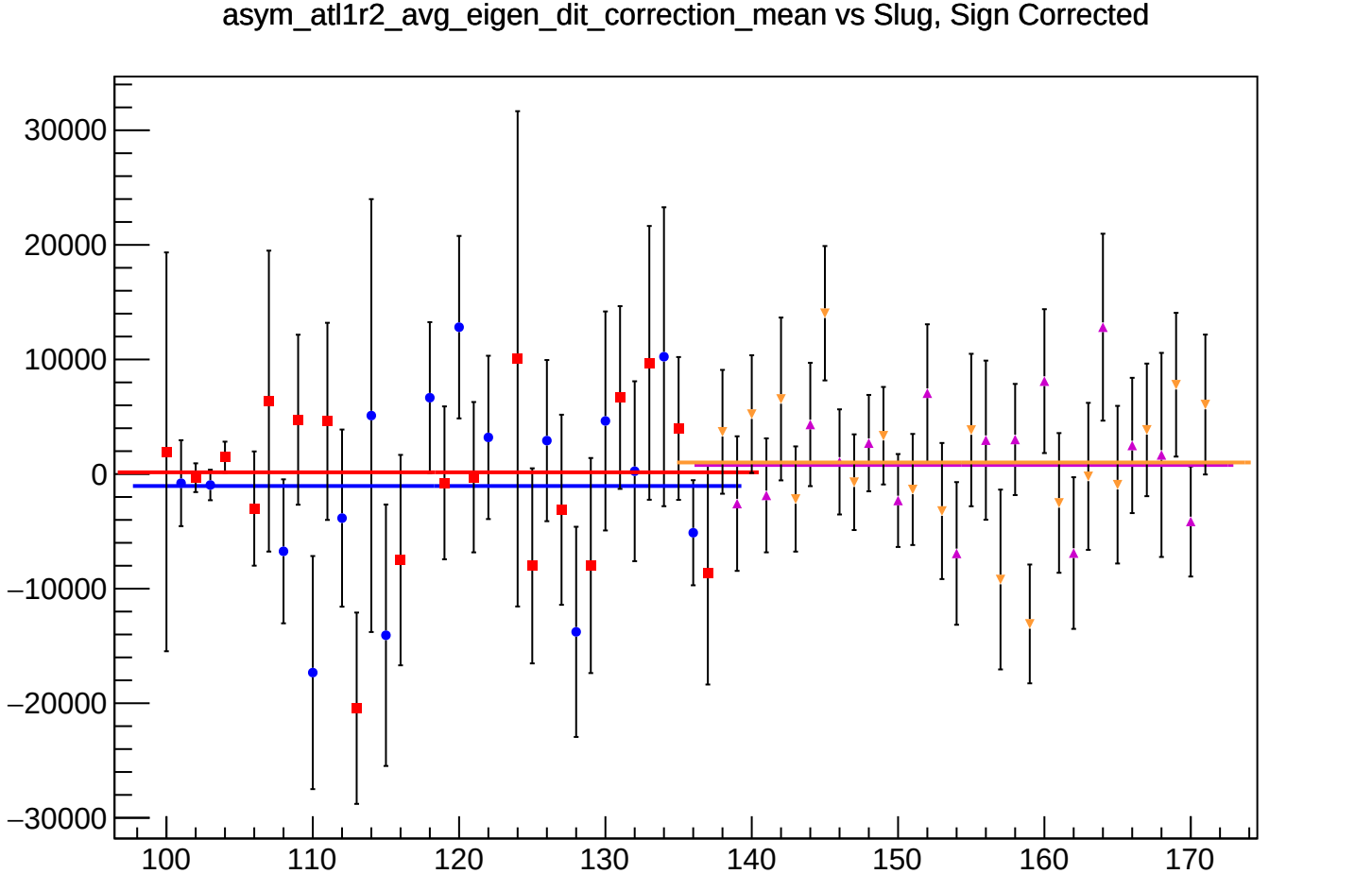
Left: 1735.127+/-0.234 χ^2/NDF: 127364.7/33

Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1801.605+/-0.283 χ^2/NDF:315141.2/31

Out: 1780.536+/-0.273 χ^2/NDF:553045.7/36

All: 1790.701+/-0.196 χ^2/NDF: 871061.2/68



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: 793.396+/-1369.369 χ^2/NDF:10.8/15

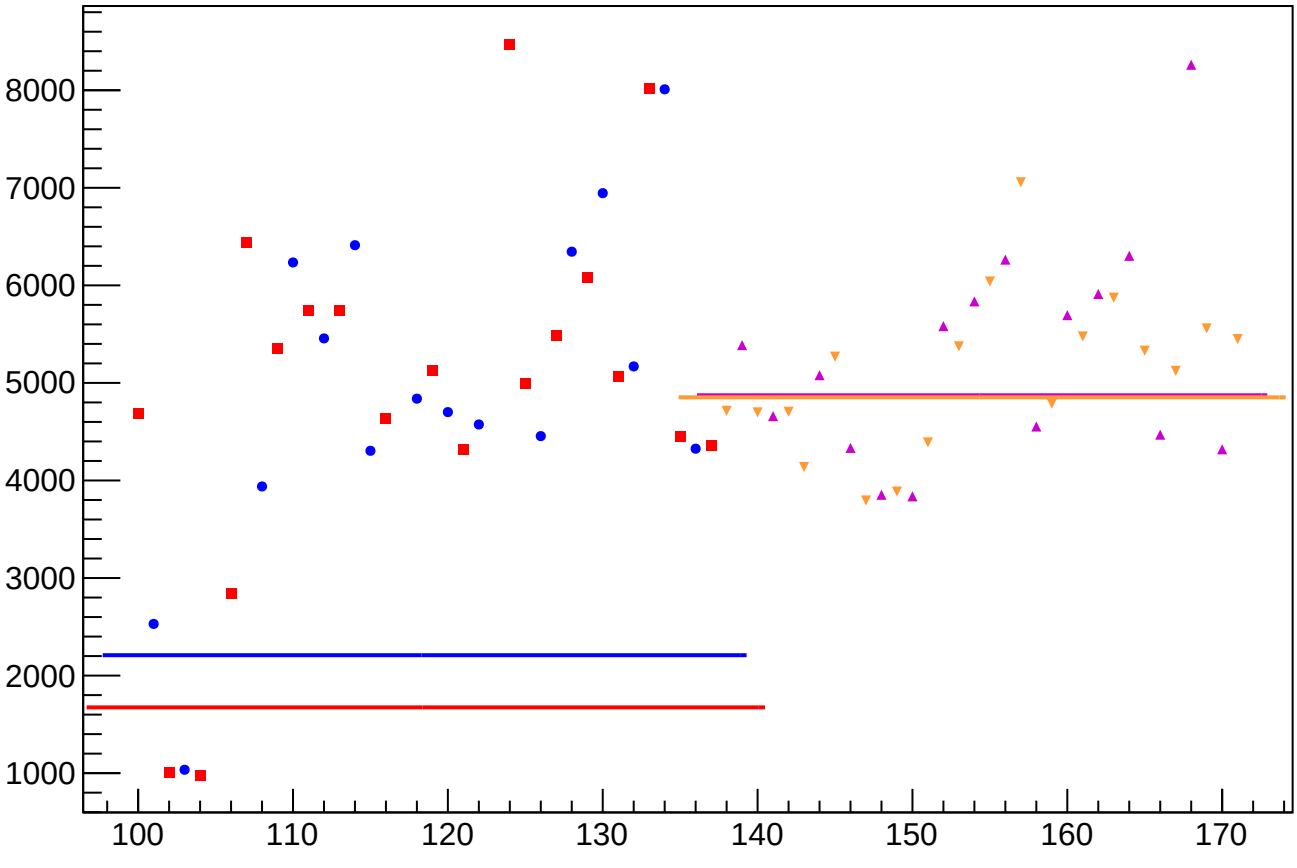
Left: 907.420+/-946.699 χ^2/NDF: 30.8/33

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -344.207+/-844.307 χ^2/NDF:25.8/31

Out: 401.761+/-704.557 χ^2/NDF:34.0/36

All: 95.540+/-540.951 χ^2/NDF: 60.2/68



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: 4873.477+/-0.968 χ^2/NDF:932558.6/15

Left: 4862.295+/-0.669 χ^2/NDF: 1612547.9/33

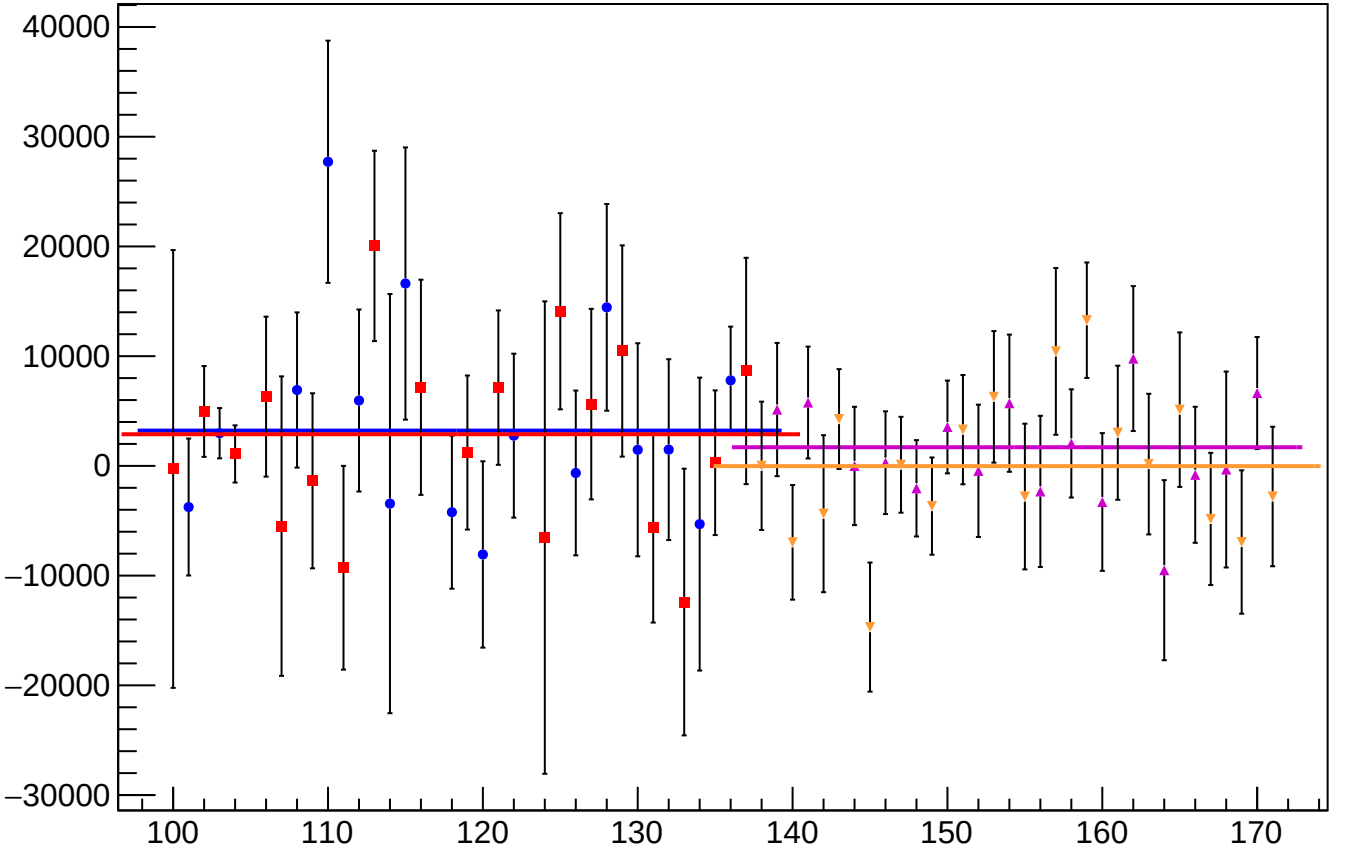
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3221.858+/-0.597 χ^2/NDF:11125369.2/31

Out: 2593.046+/-0.498 χ^2/NDF:15896216.0/36

All: 2851.174+/-0.383 χ^2/NDF: 27675548.6/6

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: 1699.412+/-1402.093 χ^2/NDF:8.1/15

Left: 800.051+/-968.577 χ^2/NDF: 31.5/33

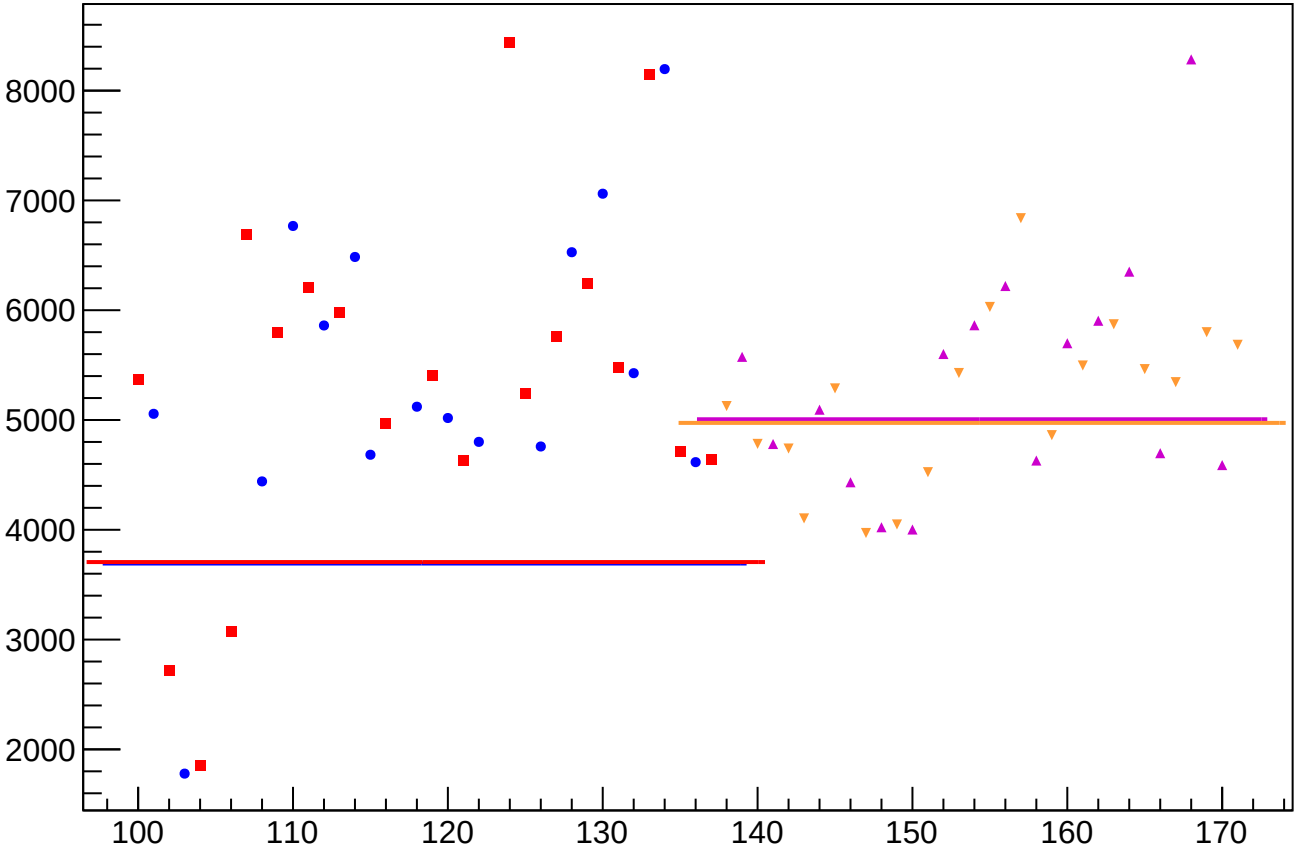
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2386.995+/-1036.538 χ^2/NDF:22.4/31

Out: 1218.939+/-1014.117 χ^2/NDF:38.1/36

All: 1790.198+/-724.886 χ^2/NDF: 61.1/68

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4973.658+/-0.947 χ^2/NDF:605355.3/17

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5006.686+/-0.991 χ^2/NDF:798555.7/15

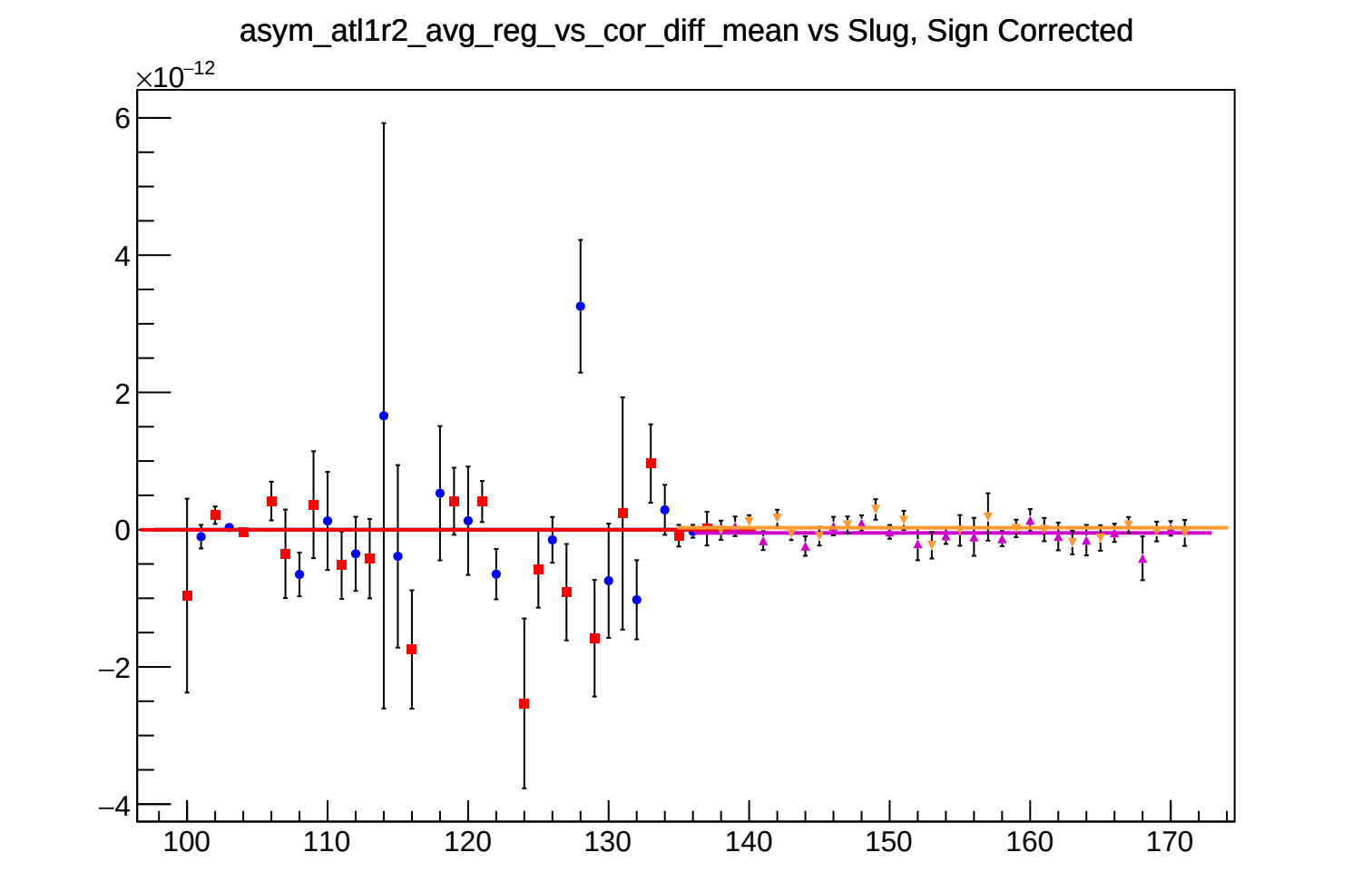
Left: 4989.419+/-0.685 χ^2/NDF: 1404491.2/33

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4410.889+/-0.733 χ^2/NDF:4480605.9/31

Out: 4426.299+/-0.714 χ^2/NDF:4063152.7/36

All: 4418.796+/-0.511 χ^2/NDF: 8543985.4/68



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:9.5/15

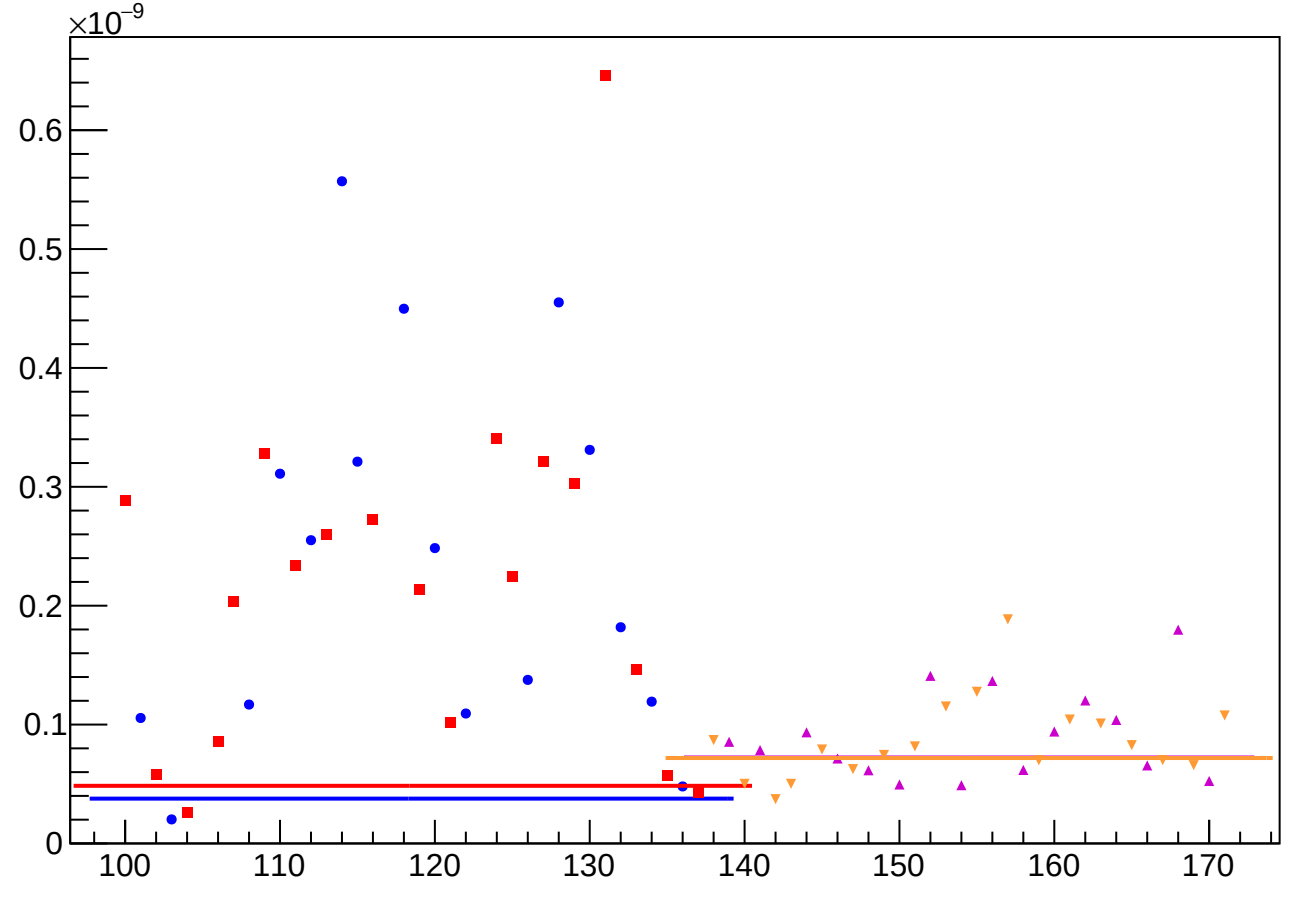
Left: -0.000+/-0.000 χ^2/NDF: 24.6/33

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:35.8/31

Out: 0.000+/-0.000 χ^2/NDF:41.1/36

All: -0.000+/-0.000 χ^2/NDF: 78.2/68



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:1041507.5/15

Left: 0.000+/-0.000 χ^2/NDF: 2137857.9/33

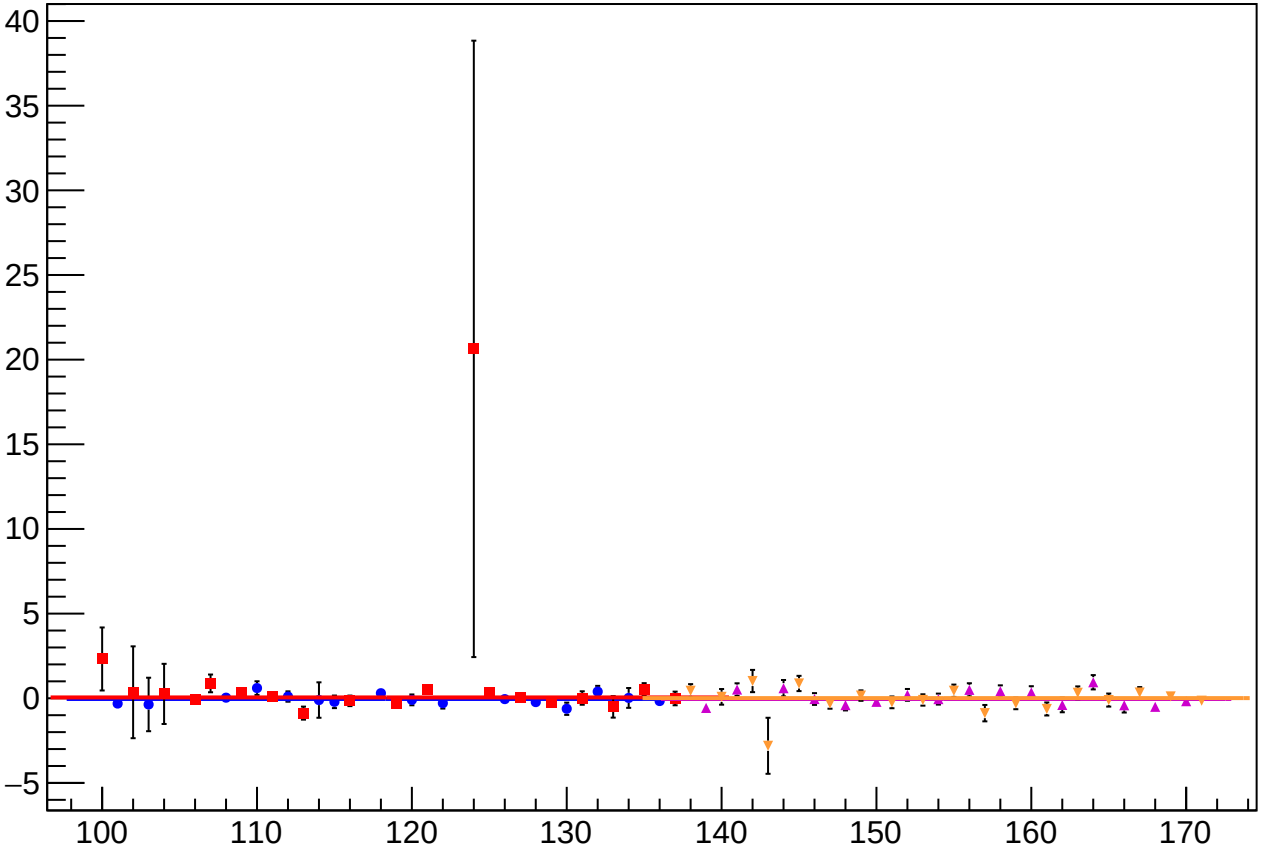
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5115954.4/31

Out: 0.000+/-0.000 χ^2/NDF:4346063.2/36

All: 0.000+/-0.000 χ^2/NDF: 9563078.0/68

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: -0.043+/-0.084 χ^2/NDF:24.3/15

Left: -0.017+/-0.058 χ^2/NDF: 47.6/33

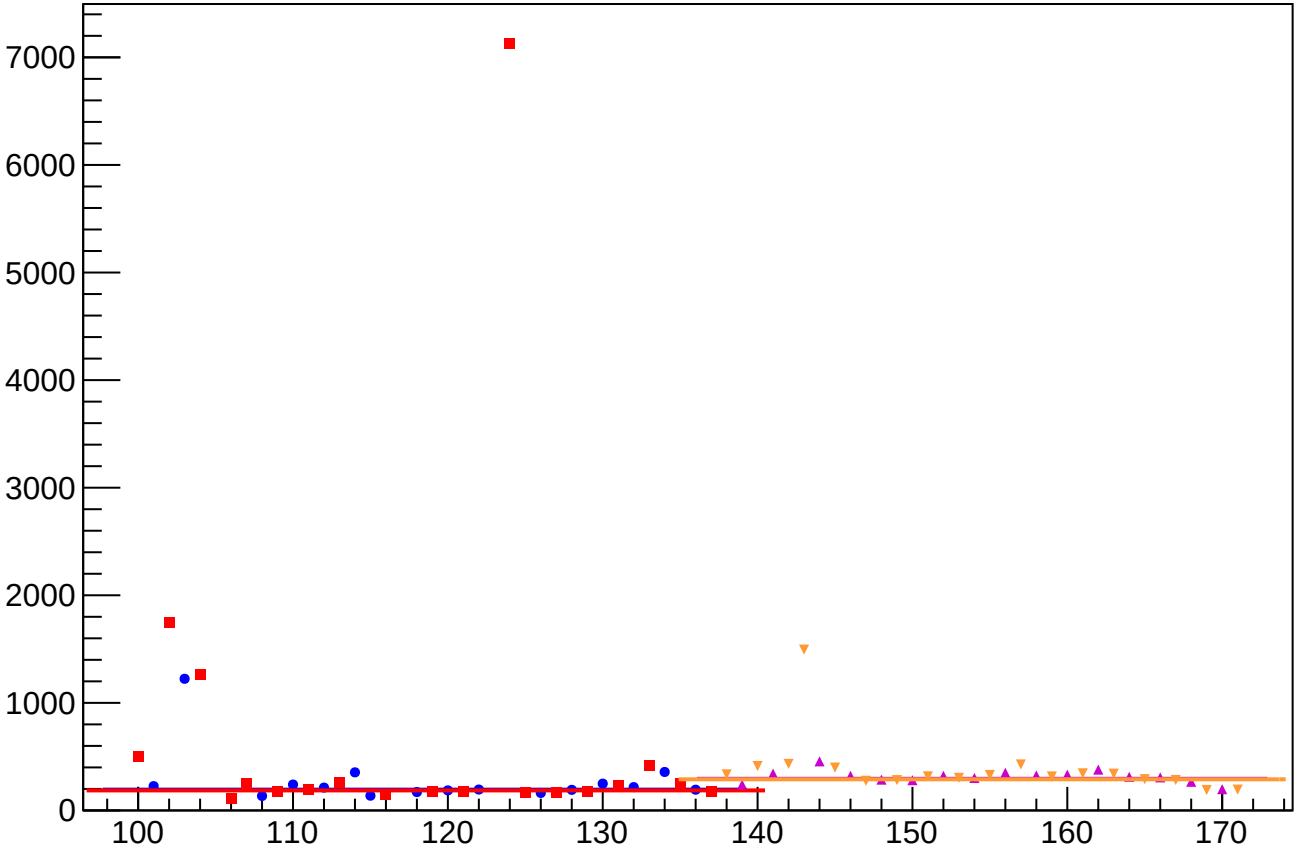
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.006+/-0.040 χ^2/NDF: 83.1/68

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: 294.029+/-0.059 χ^2/NDF:916324.6/15

Left: 291.705+/-0.041 χ^2/NDF: 3463547.7/33

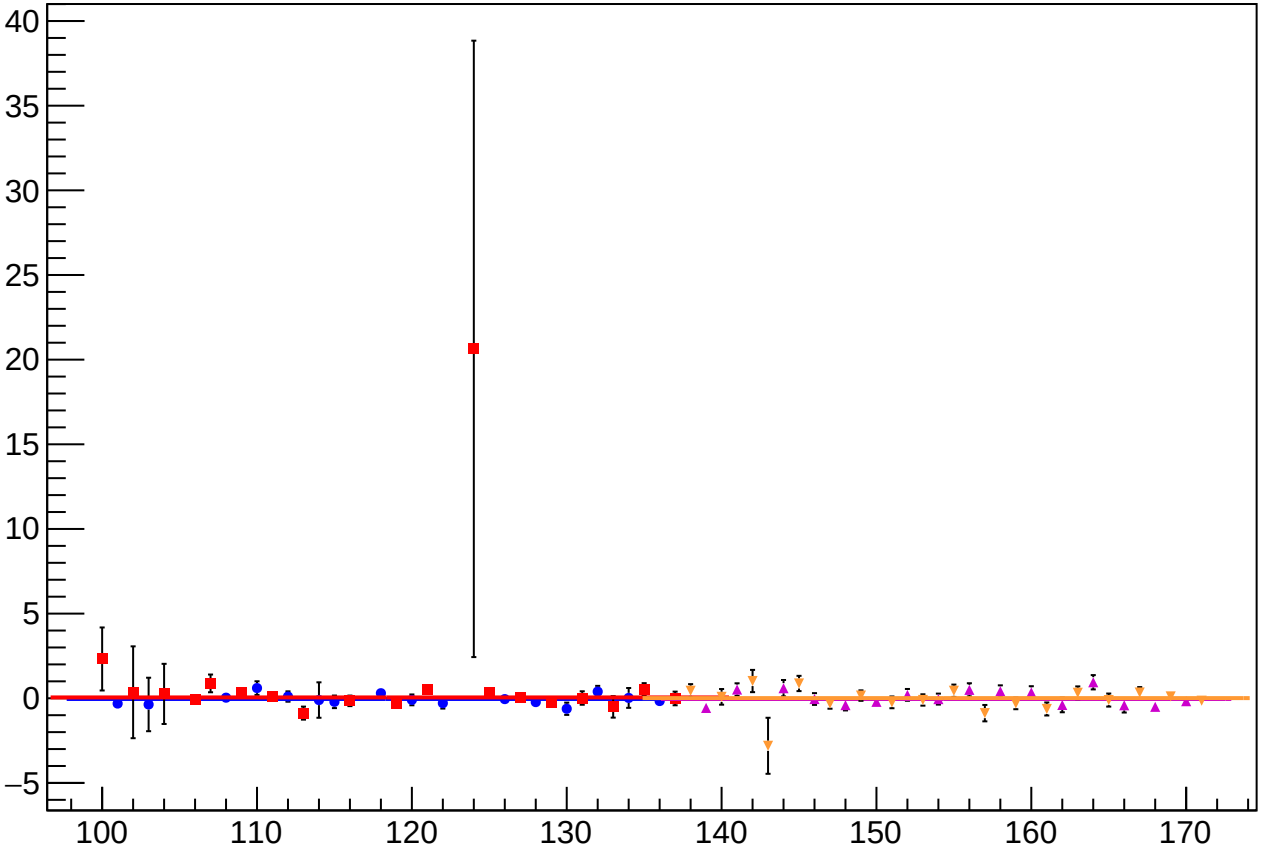
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.902+/-0.040 χ^2/NDF:3880119.9/31

Out: 236.064+/-0.040 χ^2/NDF:6673849.3/36

All: 237.974+/-0.028 χ^2/NDF: 10558525.9/68

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: -0.043+/-0.084 χ^2/NDF:24.3/15

Left: -0.017+/-0.058 χ^2/NDF: 47.6/33

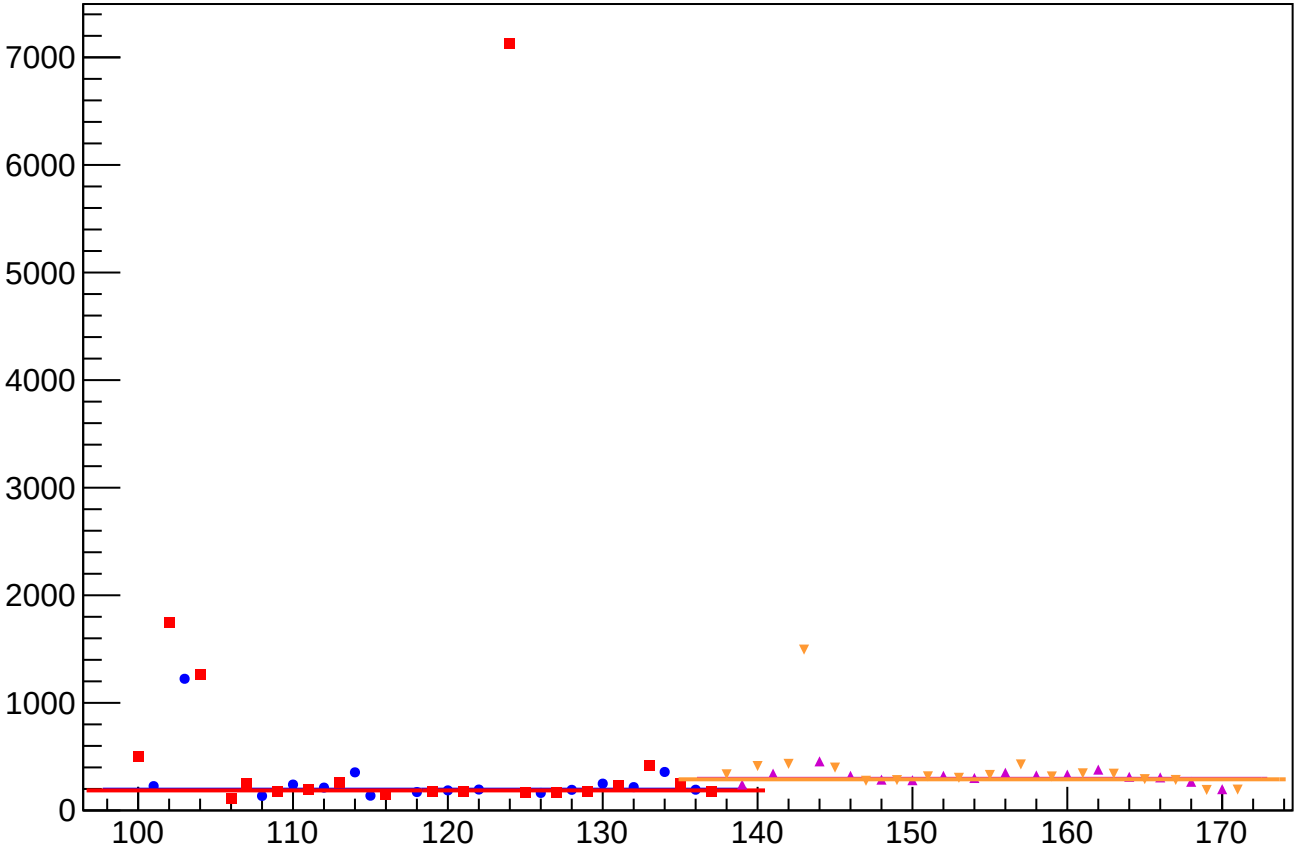
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.006+/-0.040 χ^2/NDF: 83.1/68

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: 294.029+/-0.059 χ^2/NDF:916324.6/15

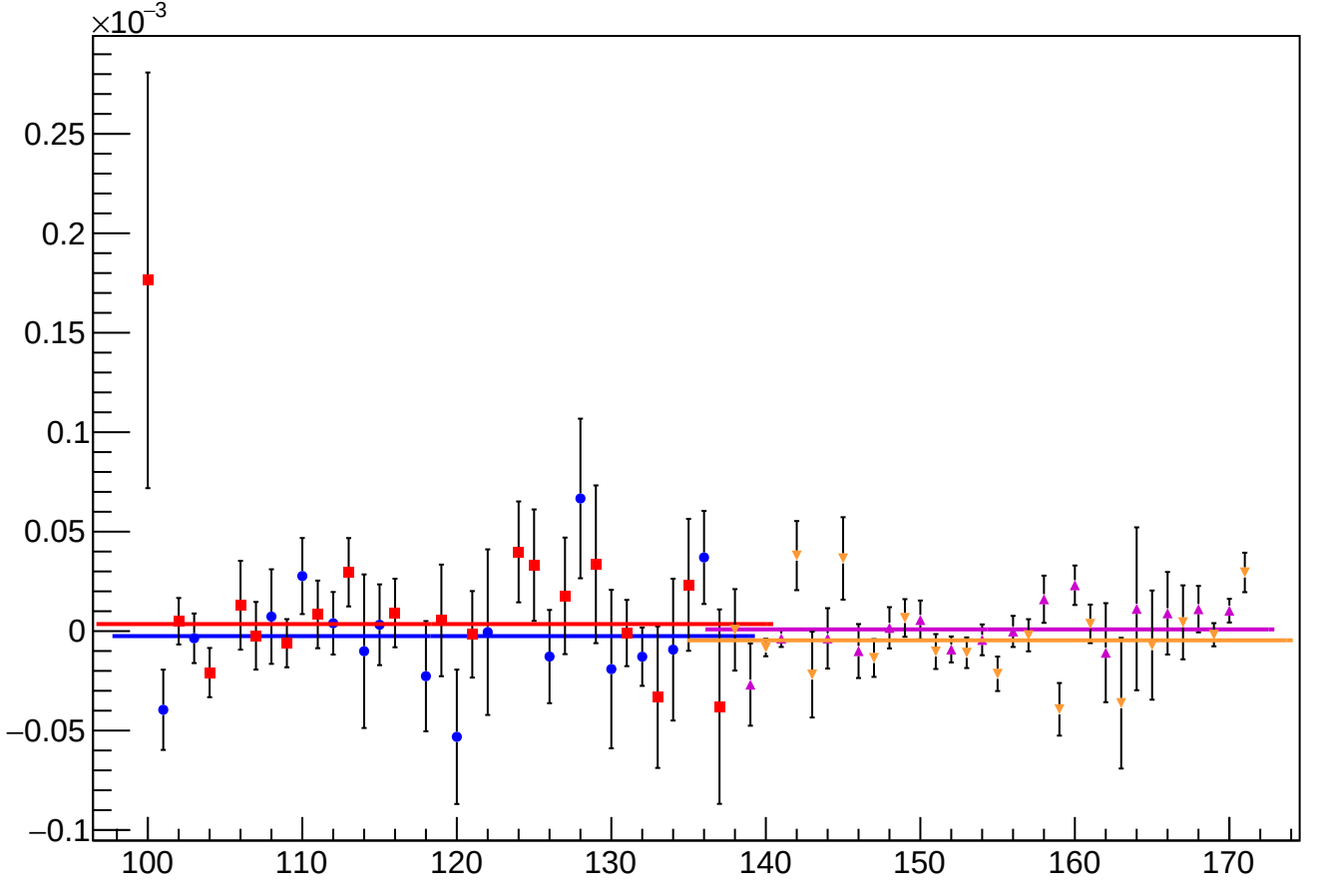
Left: 291.705+/-0.041 χ^2/NDF: 3463547.7/33

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 239.902+/-0.040 χ^2/NDF:3880119.9/31

Out: 236.064+/-0.040 χ^2/NDF:6673849.3/36

All: 237.974+/-0.028 χ^2/NDF: 10558525.9/68



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:17.1/15

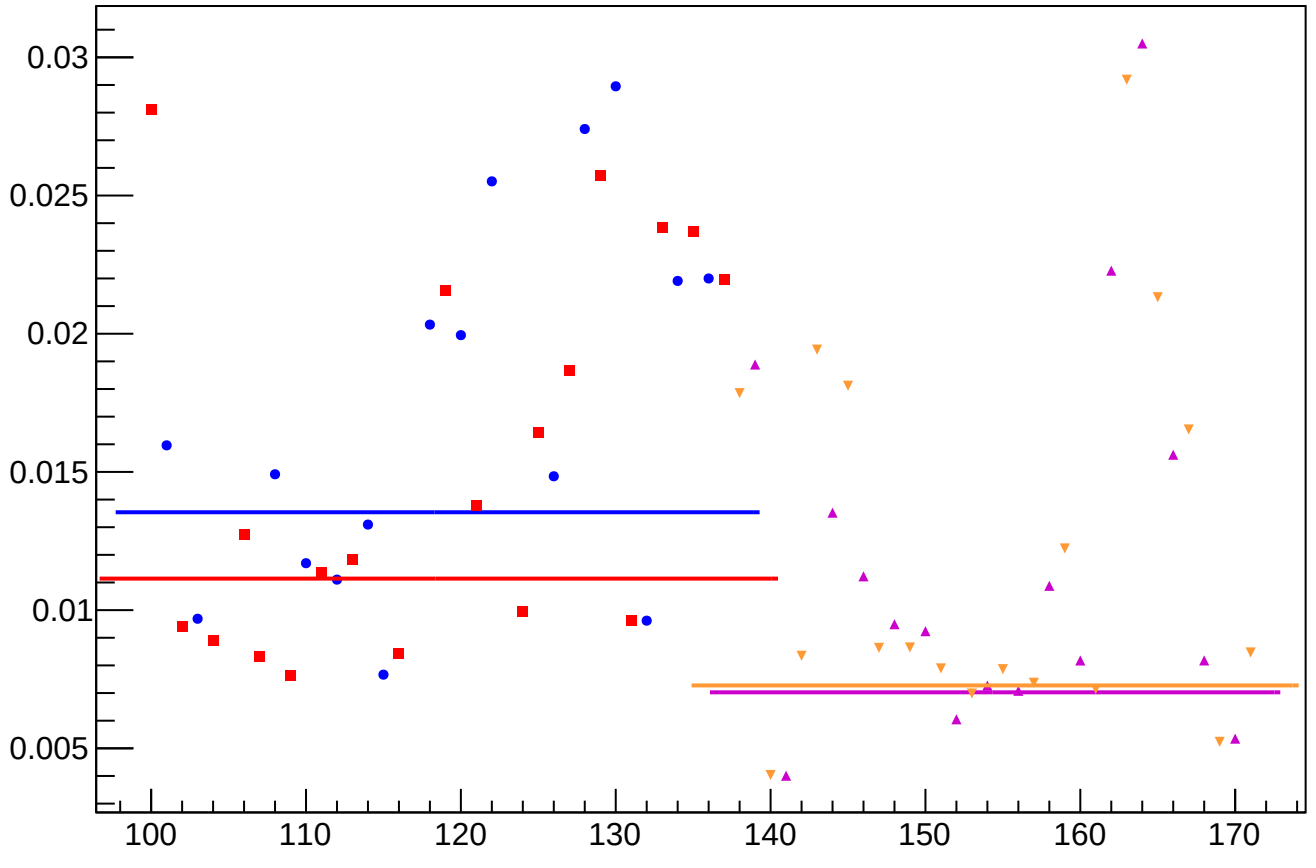
Left: -0.000+/-0.000 χ^2/NDF: 59.6/33

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:33.3/31

Out: -0.000+/-0.000 χ^2/NDF:58.4/36

All: -0.000+/-0.000 χ^2/NDF: 93.1/68



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:4646949.6/15

Left: 0.007+/-0.000 χ^2/NDF: 10040036.6/33

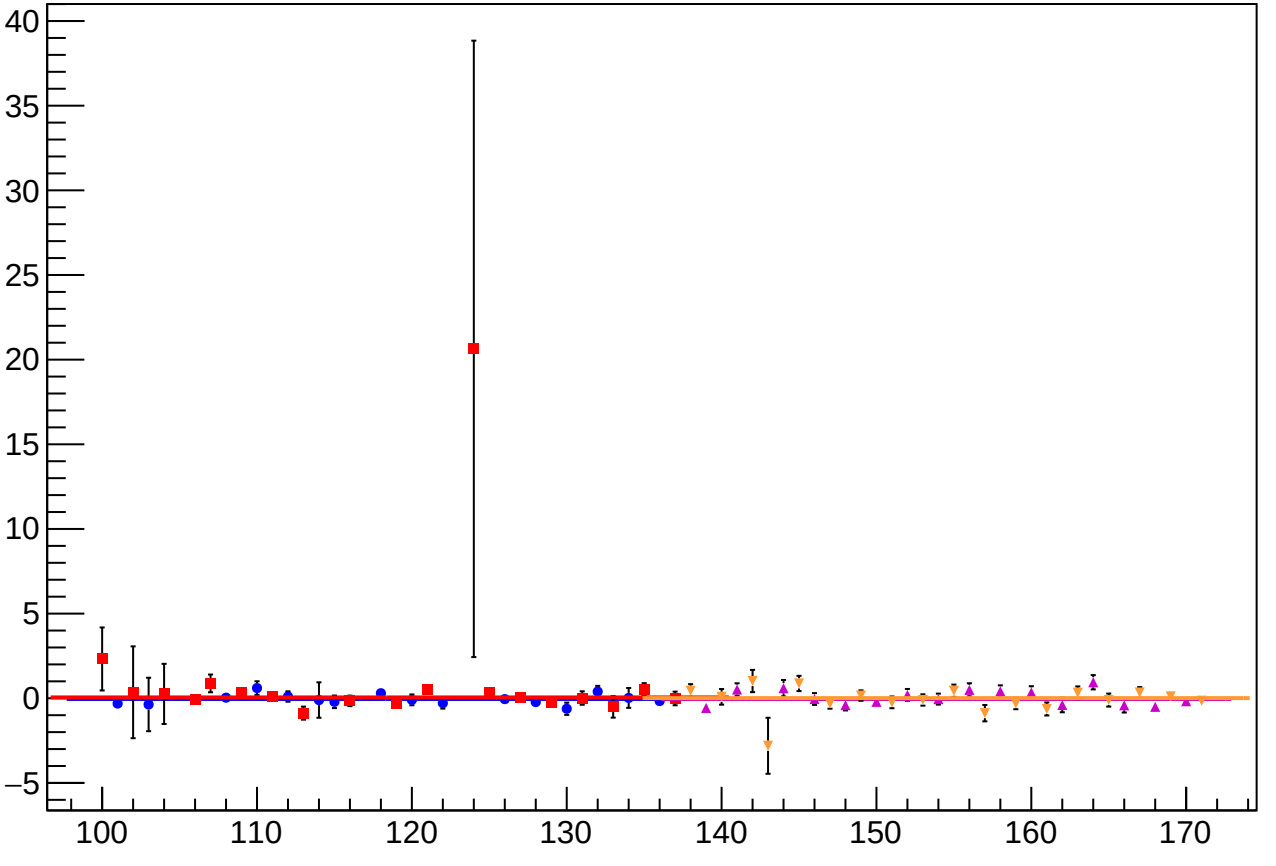
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:8969755.6/31

Out: 0.008+/-0.000 χ^2/NDF:8471482.2/36

All: 0.008+/-0.000 χ^2/NDF: 17442726.7/68

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: -0.043+/-0.084 χ^2/NDF:24.3/15

Left: -0.017+/-0.058 χ^2/NDF: 47.6/33

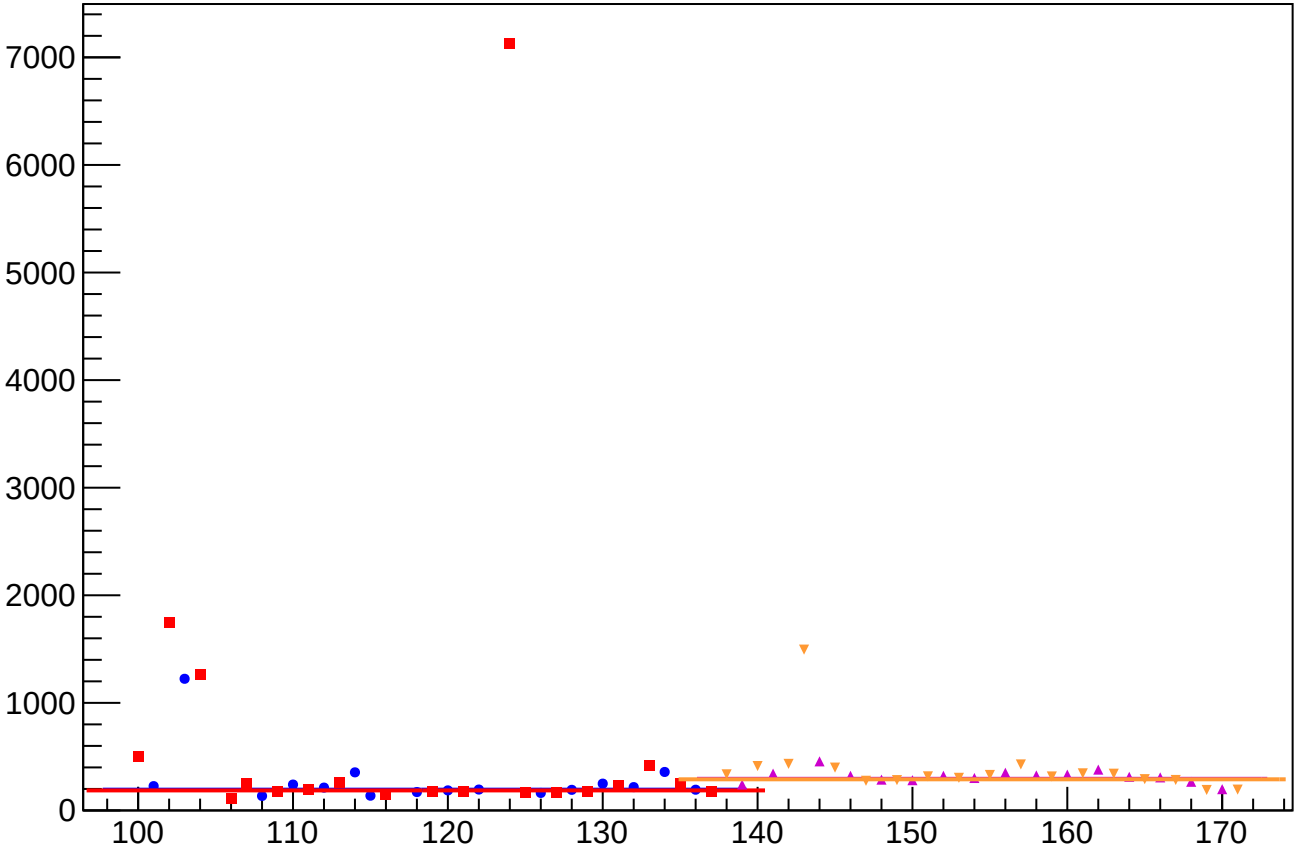
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.006+/-0.040 χ^2/NDF: 83.1/68

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: 294.033+/-0.059 χ^2/NDF:916354.0/15

Left: 291.708+/-0.041 χ^2/NDF: 3463648.9/33

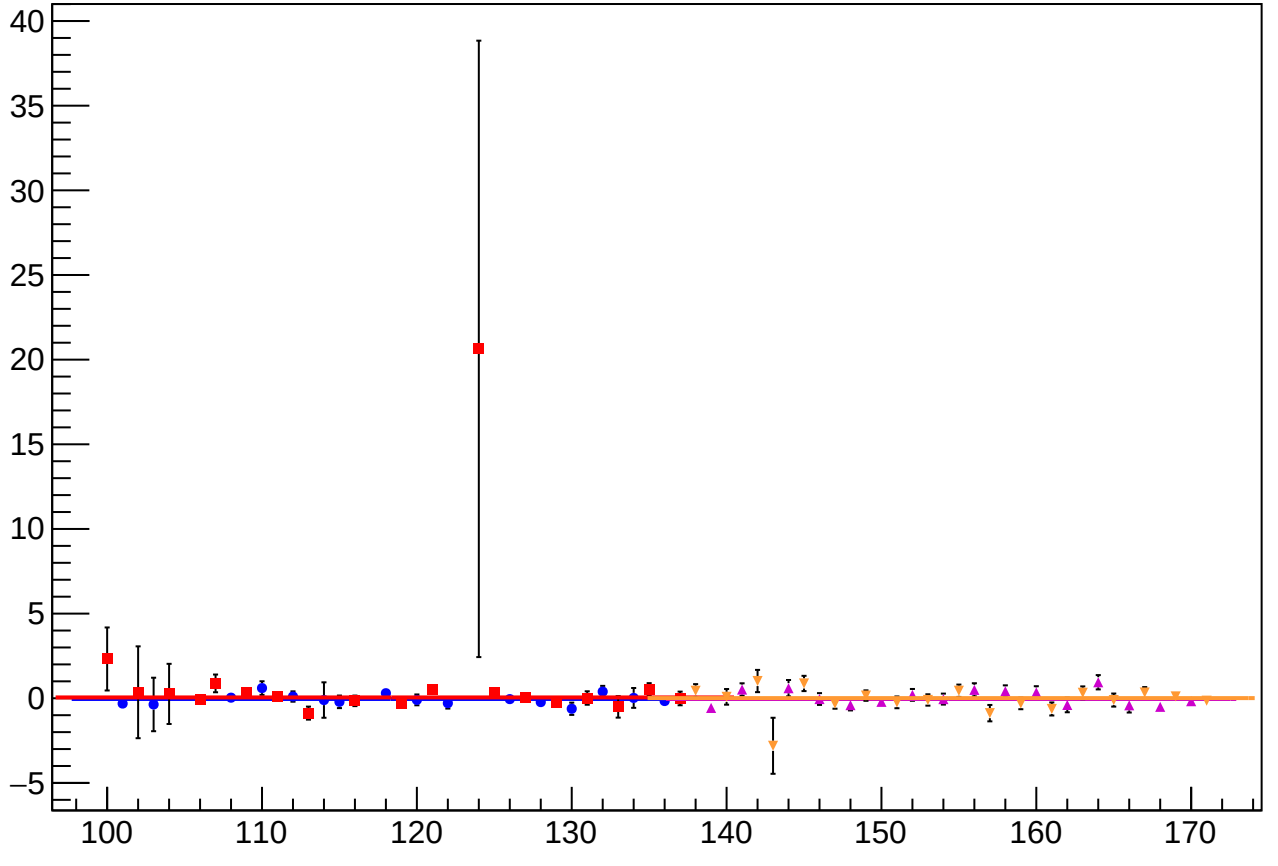
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.902+/-0.040 χ^2/NDF:3880291.8/31

Out: 236.063+/-0.040 χ^2/NDF:6674099.6/36

All: 237.973+/-0.028 χ^2/NDF: 10558950.2/68

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: -0.043+/-0.084 χ^2/NDF:24.3/15

Left: -0.017+/-0.058 χ^2/NDF: 47.6/33

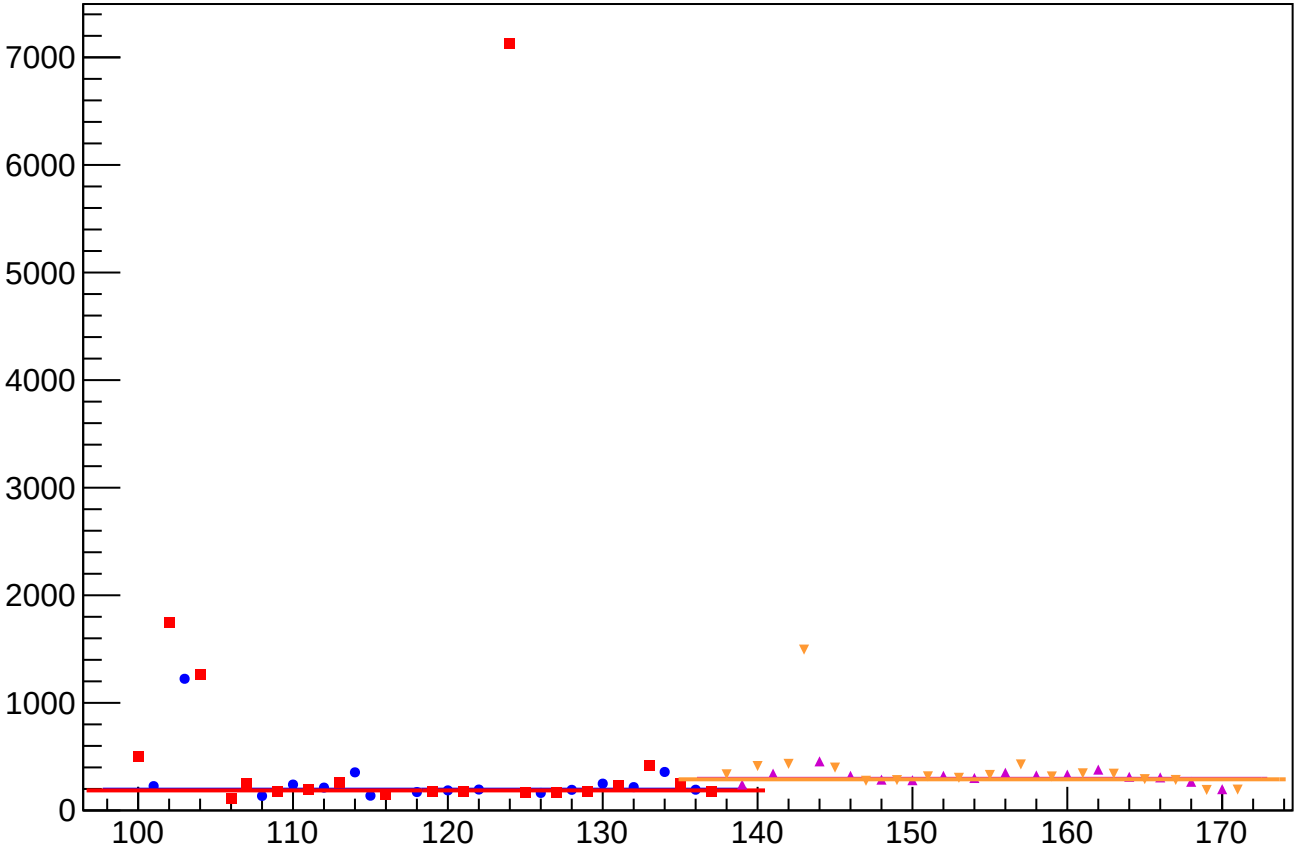
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.042+/-0.057 χ^2/NDF:36.1/31

Out: 0.030+/-0.057 χ^2/NDF:46.2/36

All: -0.006+/-0.040 χ^2/NDF: 83.1/68

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: 294.033+/-0.059 χ^2/NDF:916354.0/15

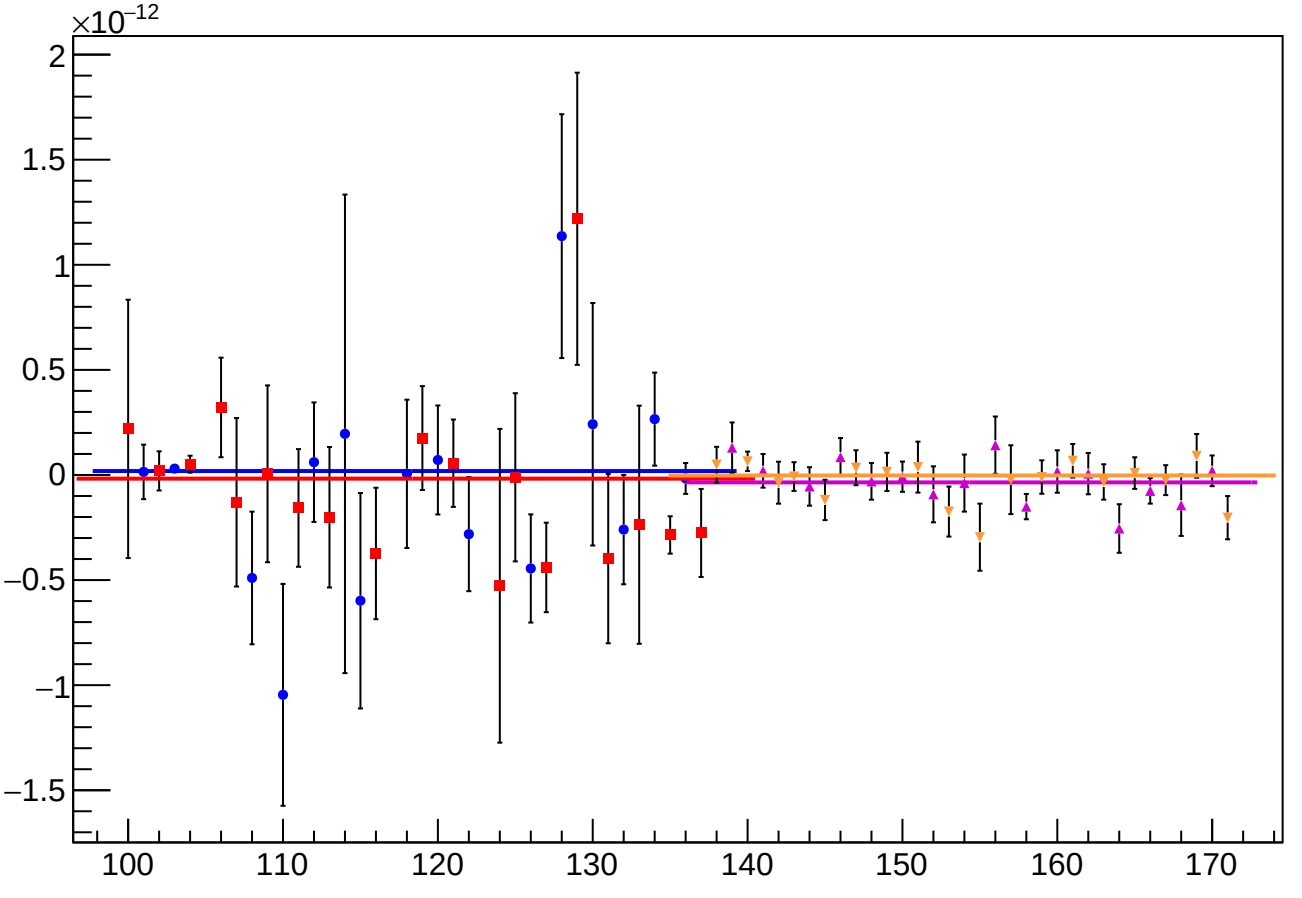
Left: 291.708+/-0.041 χ^2/NDF: 3463648.9/33

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 239.902+/-0.040 χ^2/NDF:3880291.8/31

Out: 236.063+/-0.040 χ^2/NDF:6674099.6/36

All: 237.973+/-0.028 χ^2/NDF: 10558950.2/68



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:15.5/15

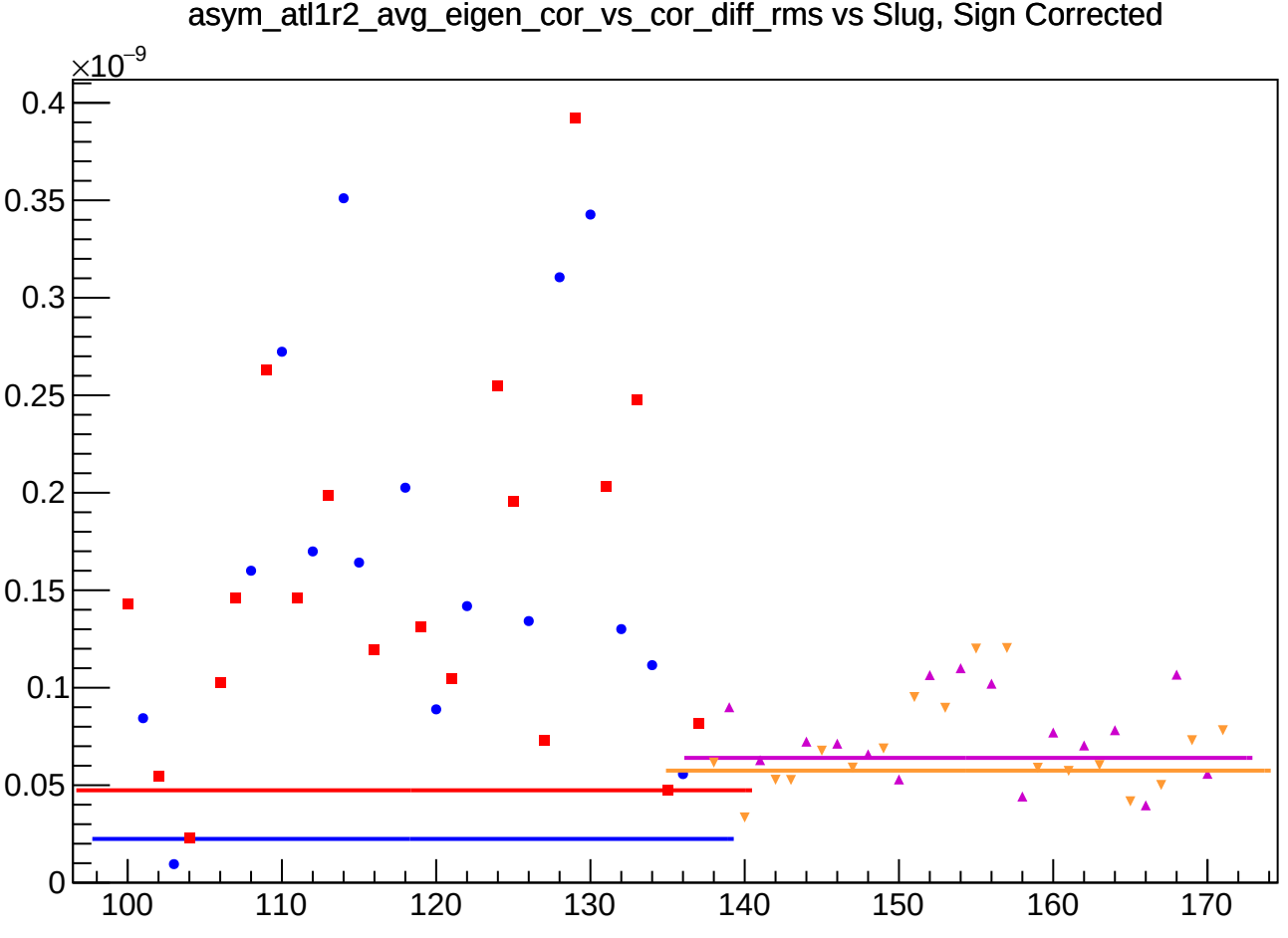
Left: -0.000+/-0.000 χ^2/NDF: 32.2/33

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:38.0/31

Out: -0.000+/-0.000 χ^2/NDF:42.8/36

All: -0.000+/-0.000 χ^2/NDF: 80.9/68



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1790481.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1565523.8/15

Left: 0.000+/-0.000 χ^2/NDF: 3451195.7/33

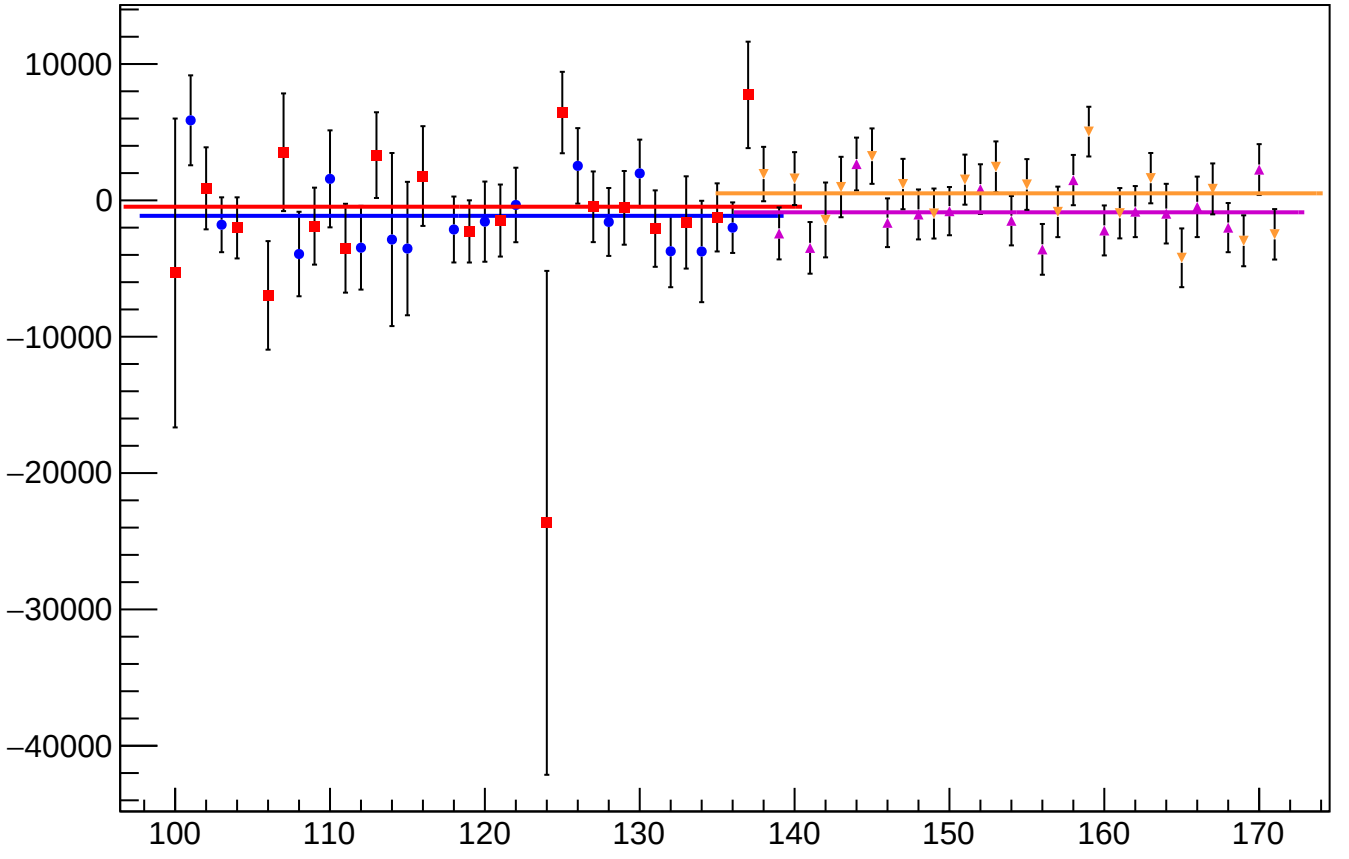
Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

In: 0.000+/-0.000 χ^2/NDF:11726231.1/31

Out: 0.000+/-0.000 χ^2/NDF:6175421.2/36

All: 0.000+/-0.000 χ^2/NDF: 18561486.1/68

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



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: -875.487+/-469.832 χ^2/NDF:14.6/15

Left: -158.043+/-327.050 χ^2/NDF: 43.2/33

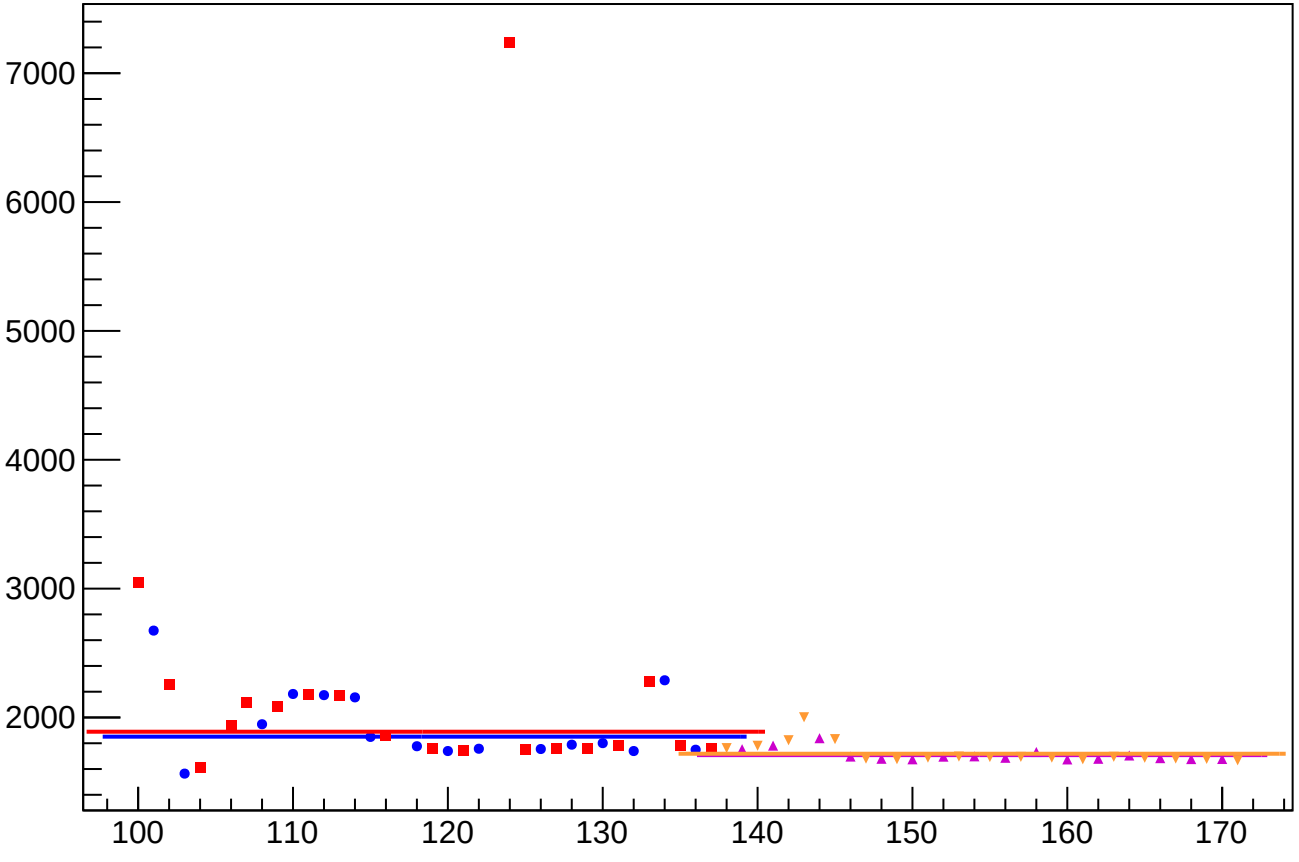
Right: -805.879+/-494.815 χ^2/NDF: 32.7/34

In: -956.965+/-389.021 χ^2/NDF:27.0/31

Out: 227.729+/-382.762 χ^2/NDF:45.5/36

All: -355.010+/-272.840 χ^2/NDF: 77.1/68

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: 1707.834+/-0.332 χ^2/NDF:17766.4/15

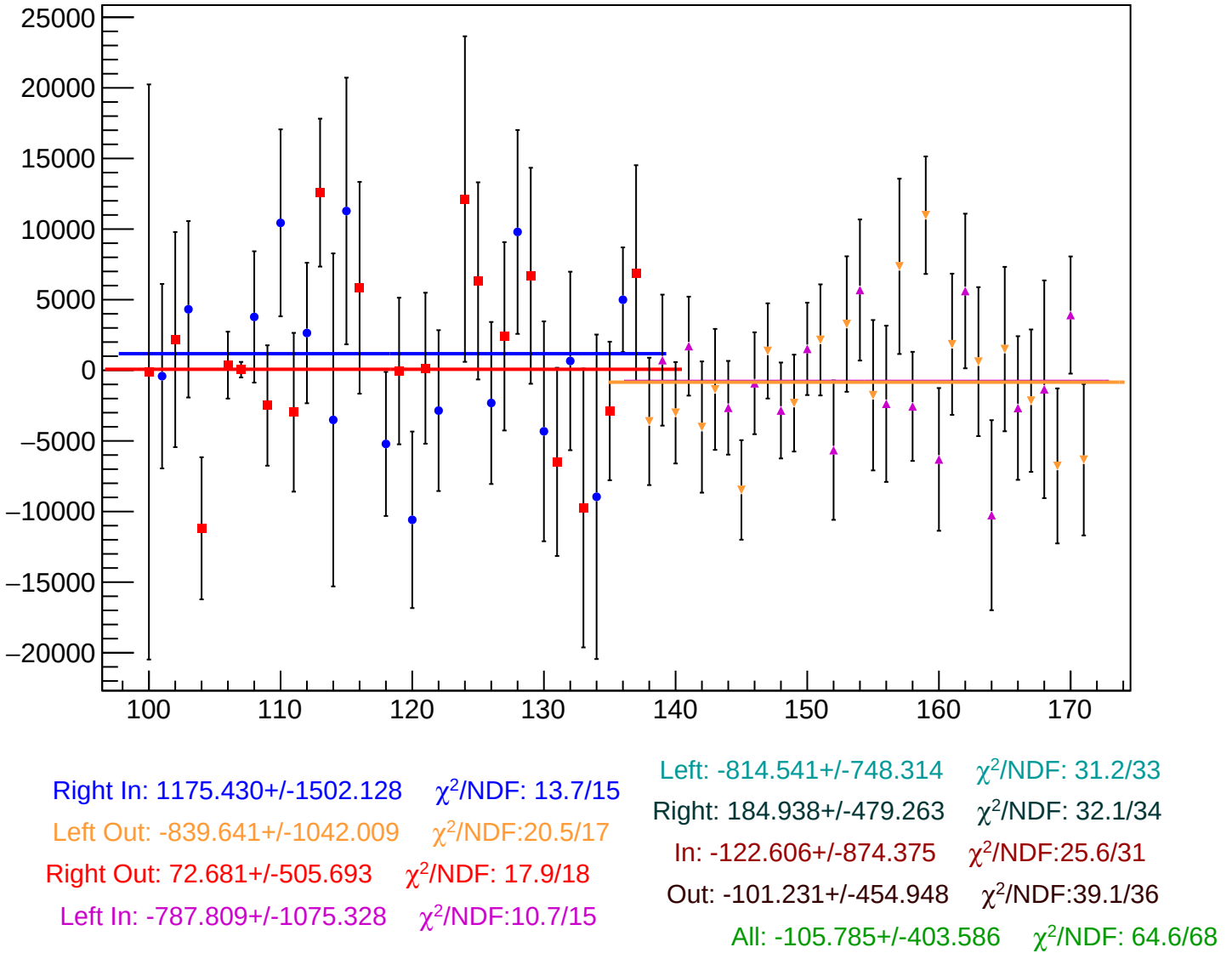
Left: 1713.371+/-0.231 χ^2/NDF: 72185.0/33

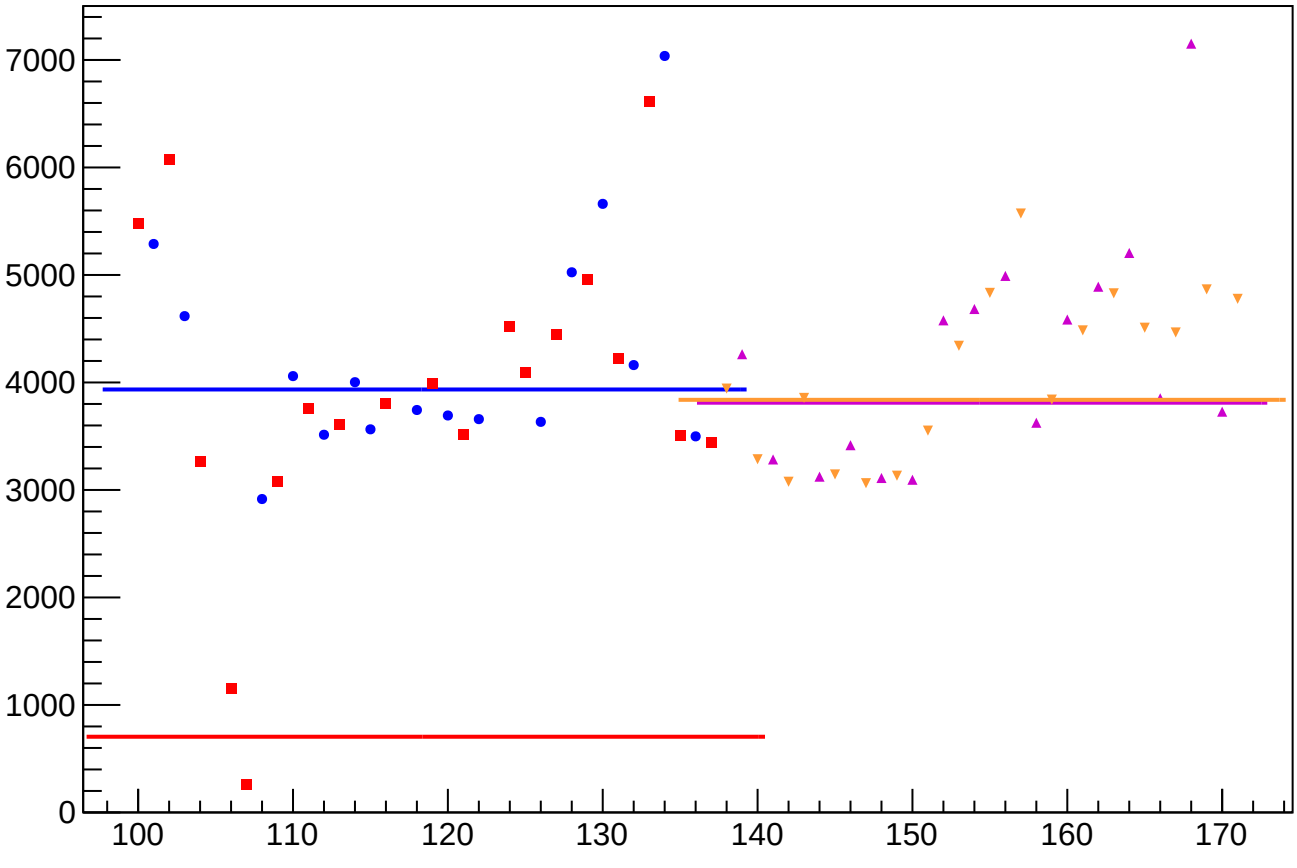
Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1752.889+/-0.275 χ^2/NDF:336242.4/31

Out: 1769.000+/-0.270 χ^2/NDF:495860.4/36

All: 1761.080+/-0.193 χ^2/NDF: 833846.9/68


asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1175.430+/-1502.128 χ²/NDF: 13.7/15
Left Out: -839.641+/-1042.009 χ²/NDF:20.5/17
Right Out: 72.681+/-505.693 χ²/NDF: 17.9/18
Left In: -787.809+/-1075.328 χ²/NDF:10.7/15
Left: -814.541+/-748.314 χ²/NDF: 31.2/33
Right: 184.938+/-479.263 χ²/NDF: 32.1/34
In: -122.606+/-874.375 χ²/NDF:25.6/31
Out: -101.231+/-454.948 χ²/NDF:39.1/36
All: -105.785+/-403.586 χ²/NDF: 64.6/68



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: 3811.735+/-0.760 χ^2/NDF:1146818.9/15

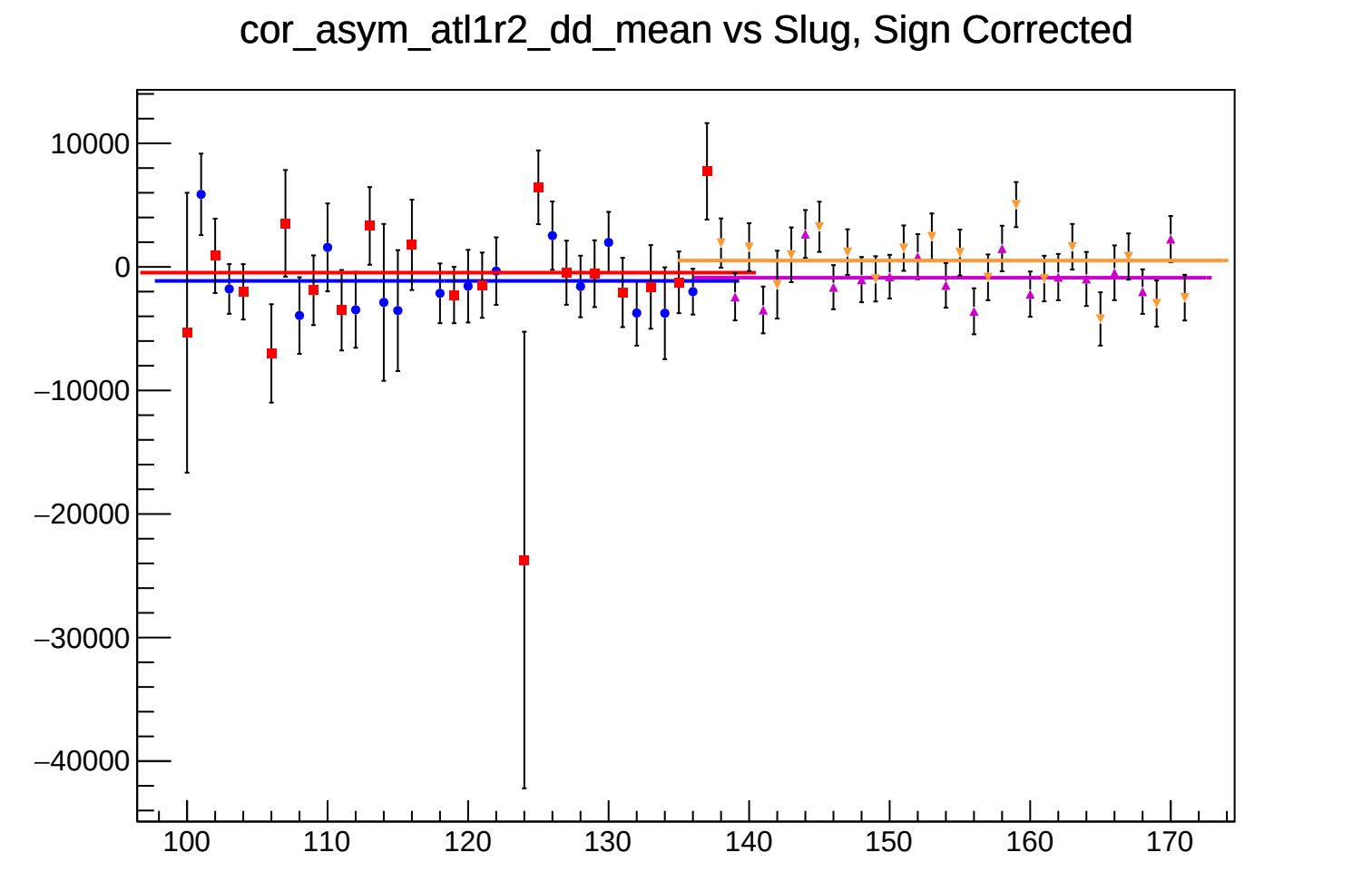
Left: 3825.537+/-0.529 χ^2/NDF: 2069166.2/33

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3853.405+/-0.618 χ^2/NDF:1715808.3/31

Out: 1301.826+/-0.322 χ^2/NDF:26184540.4/36

All: 1845.434+/-0.285 χ^2/NDF: 41303324.0/6



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: -875.425+/-469.832 χ^2/NDF:14.6/15

Left: -157.960+/-327.051 χ^2/NDF: 43.2/33

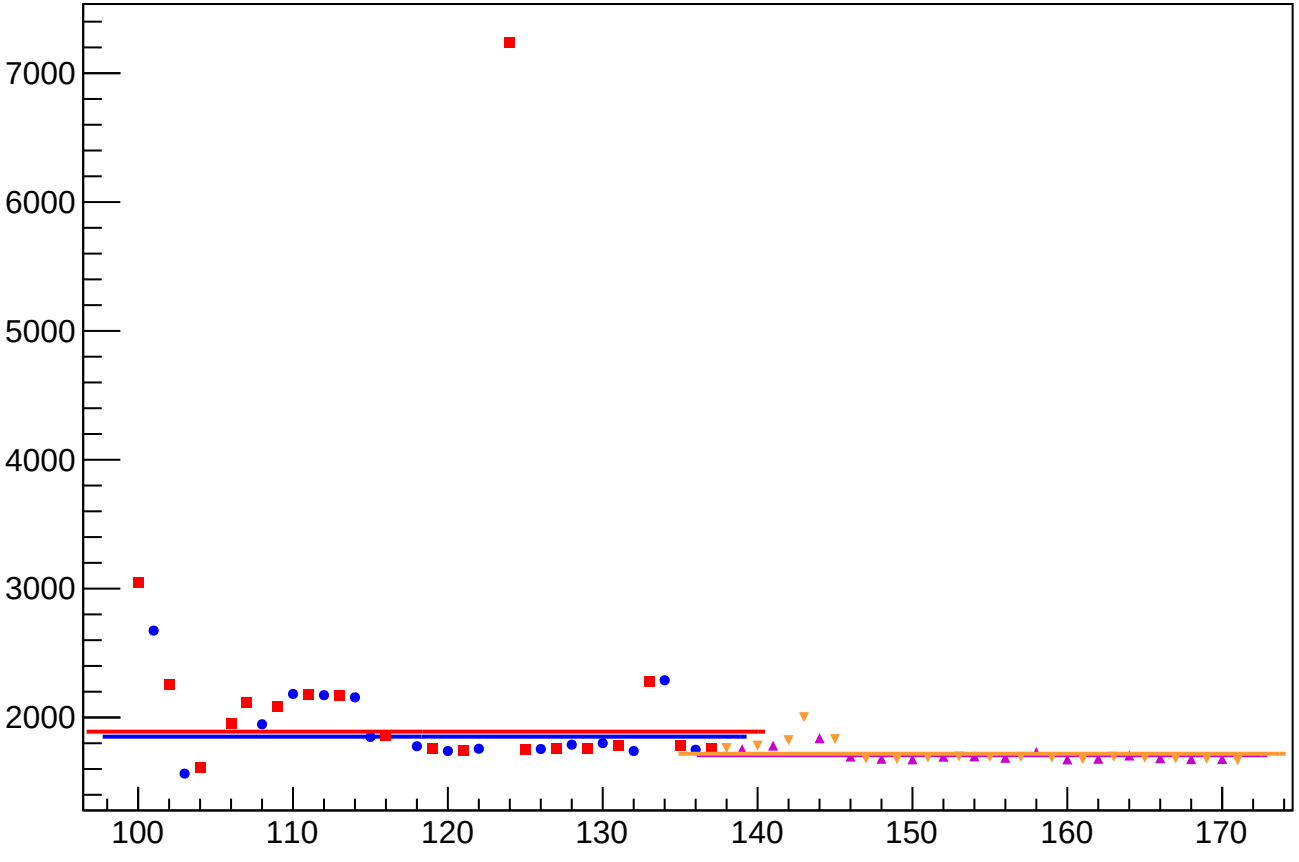
Right: -805.849+/-494.816 χ^2/NDF: 32.7/34

In: -956.788+/-389.022 χ^2/NDF:27.0/31

Out: 227.690+/-382.762 χ^2/NDF:45.5/36

All: -354.943+/-272.840 χ^2/NDF: 77.2/68

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: 1707.834+/-0.332 χ^2/NDF:17766.4/15

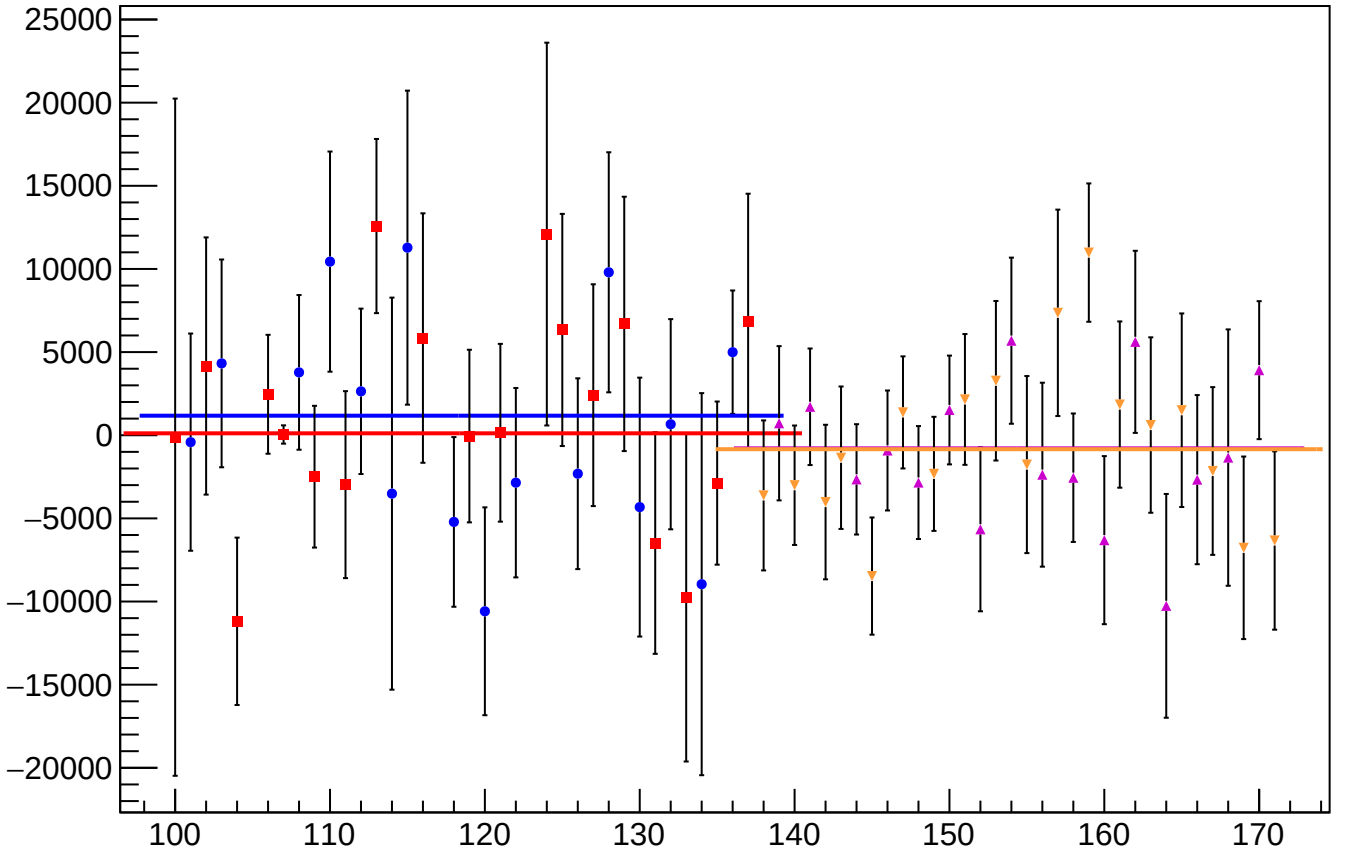
Left: 1713.371+/-0.231 χ^2/NDF: 72185.0/33

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1752.889+/-0.275 χ^2/NDF:336241.9/31

Out: 1769.119+/-0.270 χ^2/NDF:496499.3/36

All: 1761.140+/-0.193 χ^2/NDF: 834511.0/68



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: -787.817+/-1075.327 χ^2/NDF:10.7/15

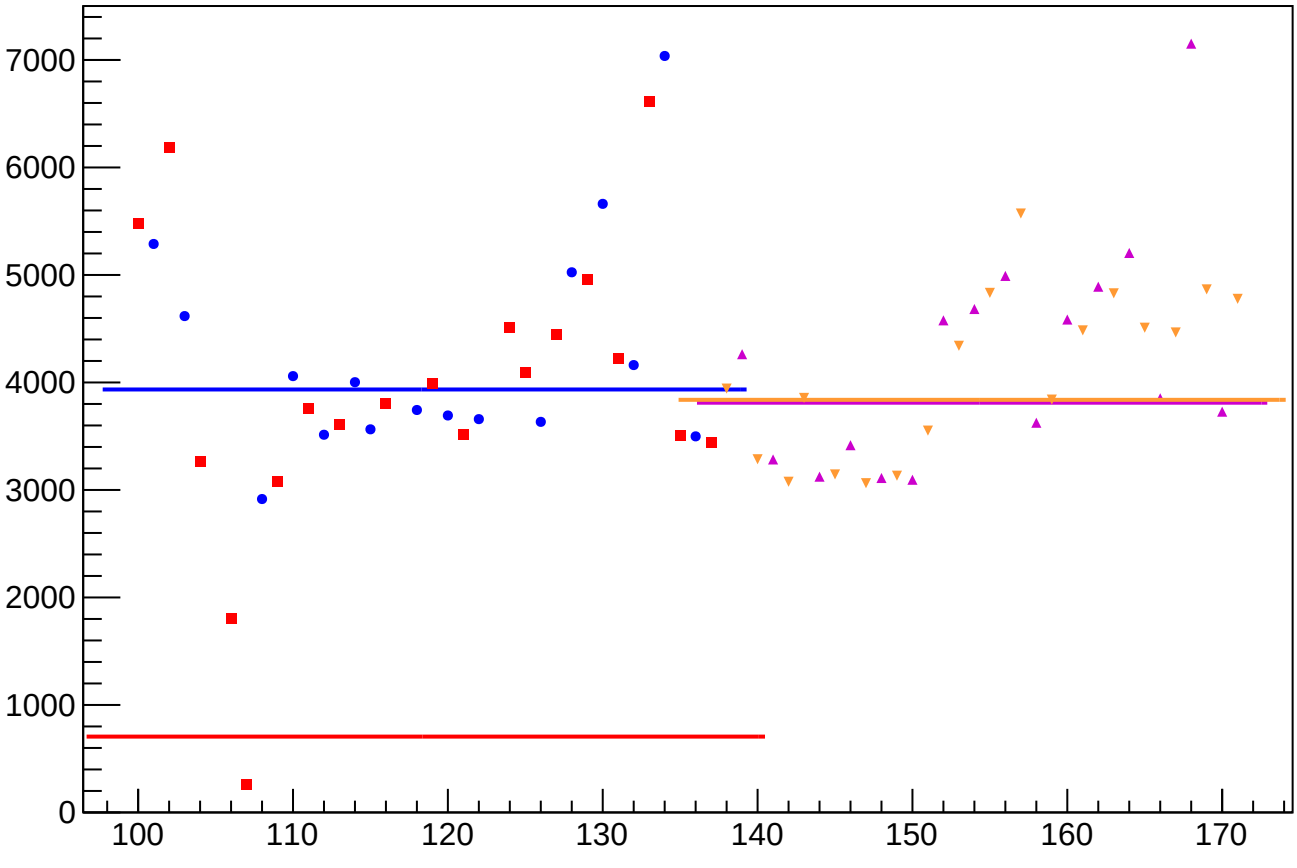
Left: -814.538+/-748.312 χ^2/NDF: 31.2/33

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -122.623+/-874.376 χ^2/NDF:25.6/31

Out: -70.087+/-459.733 χ^2/NDF:39.7/36

All: -81.465+/-406.915 χ^2/NDF: 65.3/68



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: 3811.734+/-0.760 χ^2/NDF:1146804.8/15

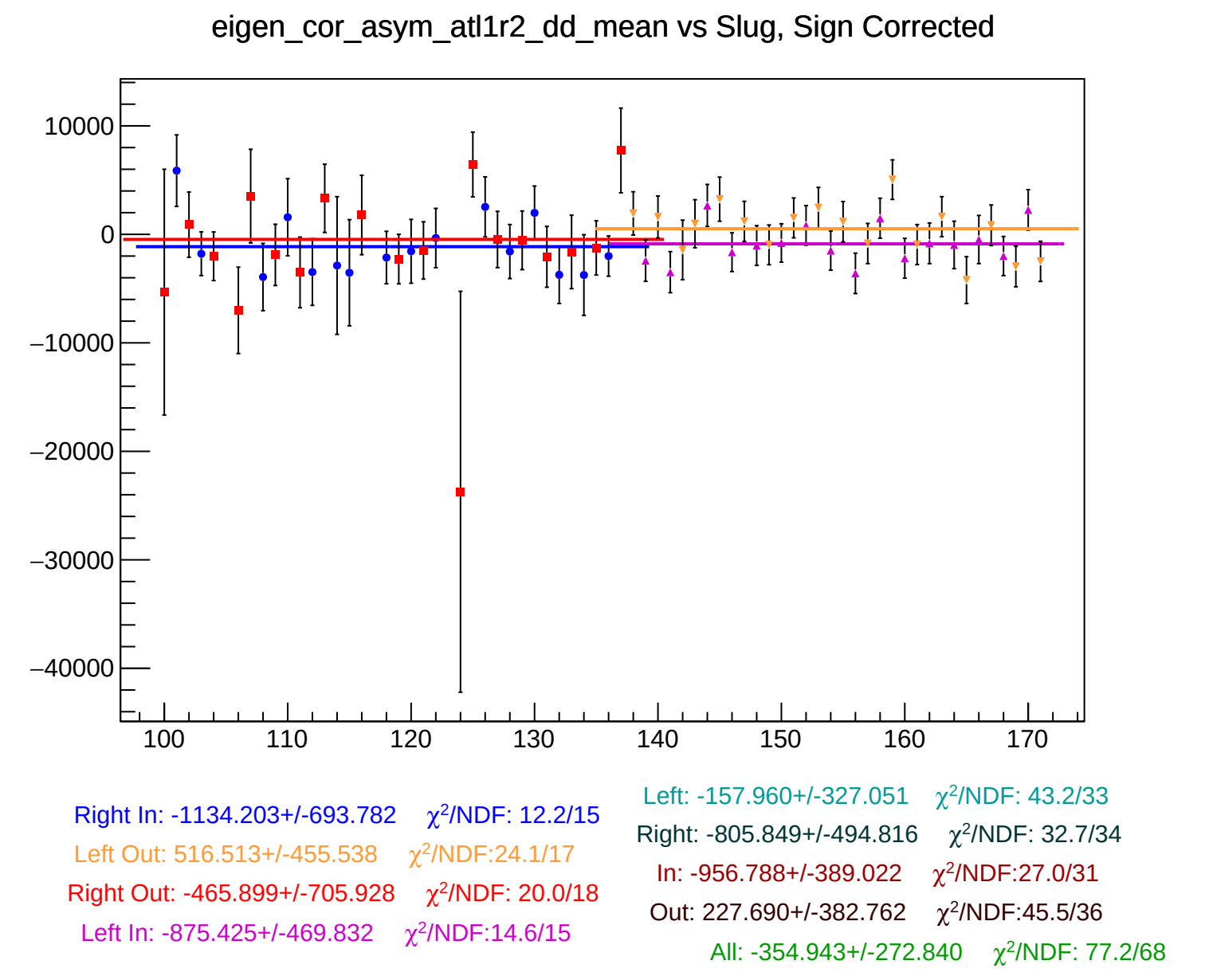
Left: 3825.531+/-0.529 χ^2/NDF: 2069159.4/33

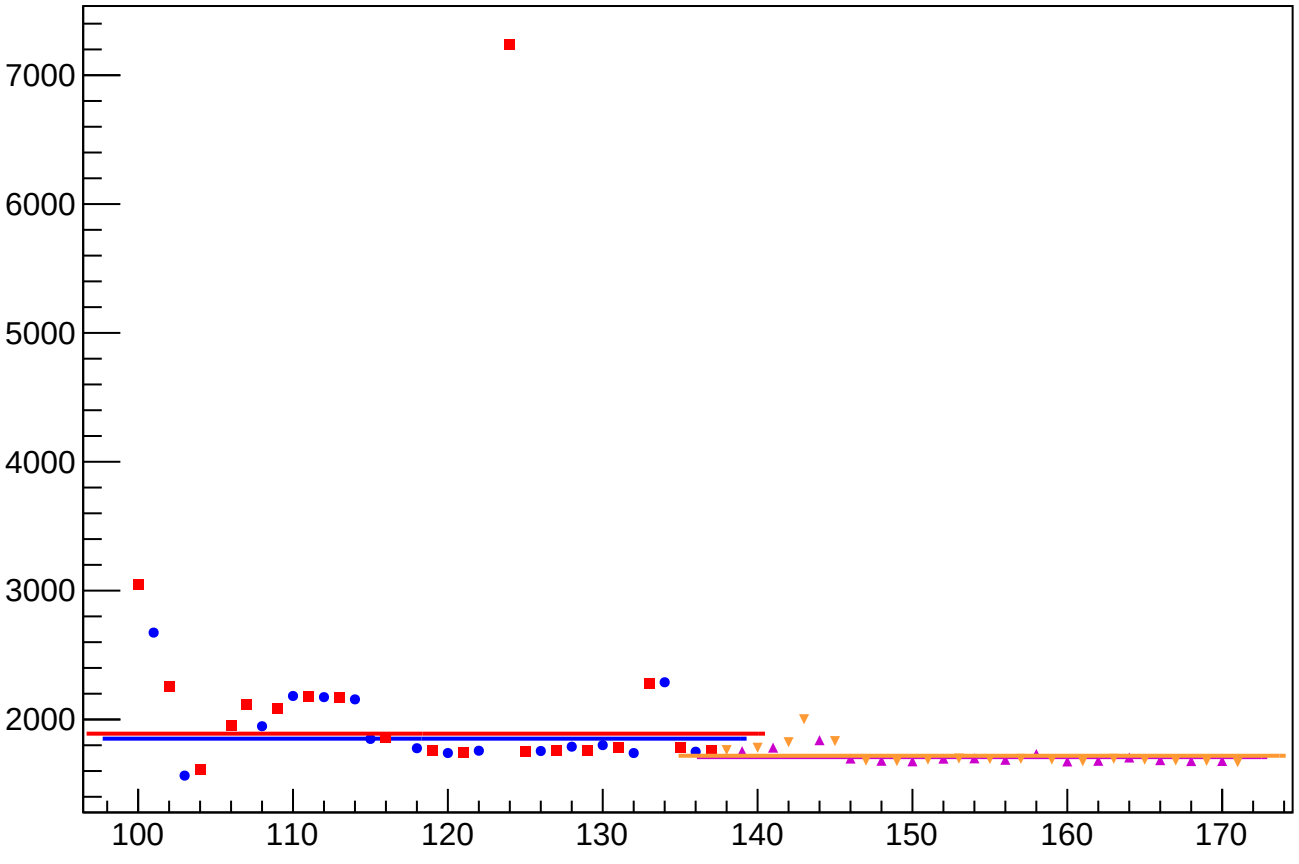
Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3853.407+/-0.618 χ^2/NDF:1715819.8/31

Out: 1315.454+/-0.325 χ^2/NDF:26228659.6/36

All: 1865.116+/-0.288 χ^2/NDF: 41145198.8/6


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 516.513+/-455.538 χ²/NDF:24.1/17
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -875.425+/-469.832 χ²/NDF:14.6/15
Left: -157.960+/-327.051 χ²/NDF: 43.2/33
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -956.788+/-389.022 χ²/NDF:27.0/31
Out: 227.690+/-382.762 χ²/NDF:45.5/36
All: -354.943+/-272.840 χ²/NDF: 77.2/68



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: 1707.834+/-0.332 χ^2/NDF:17766.4/15

Left: 1713.371+/-0.231 χ^2/NDF: 72185.0/33

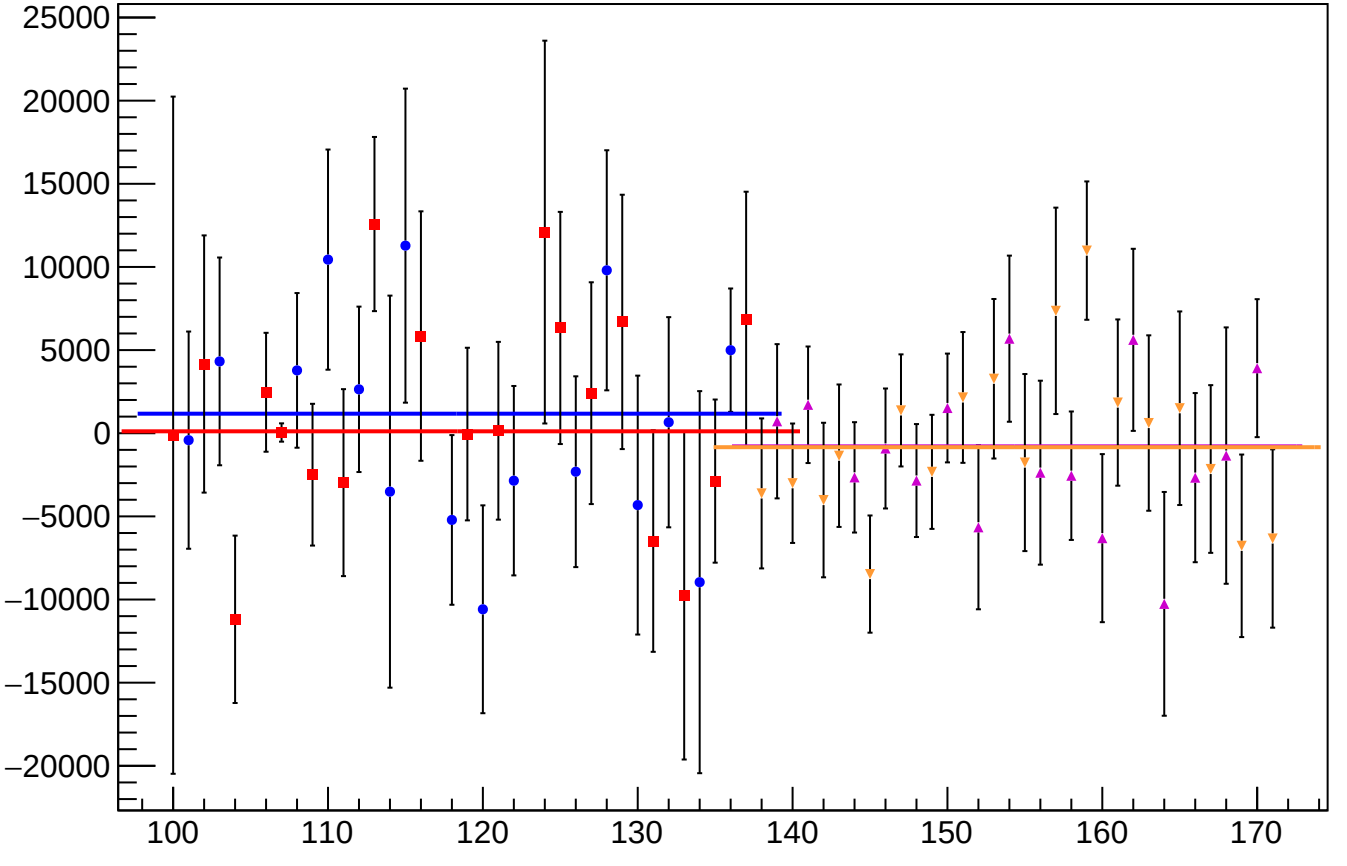
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1752.889+/-0.275 χ^2/NDF:336241.9/31

Out: 1769.119+/-0.270 χ^2/NDF:496499.3/36

All: 1761.140+/-0.193 χ^2/NDF: 834511.0/68

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: -787.817+/-1075.327 χ^2/NDF:10.7/15

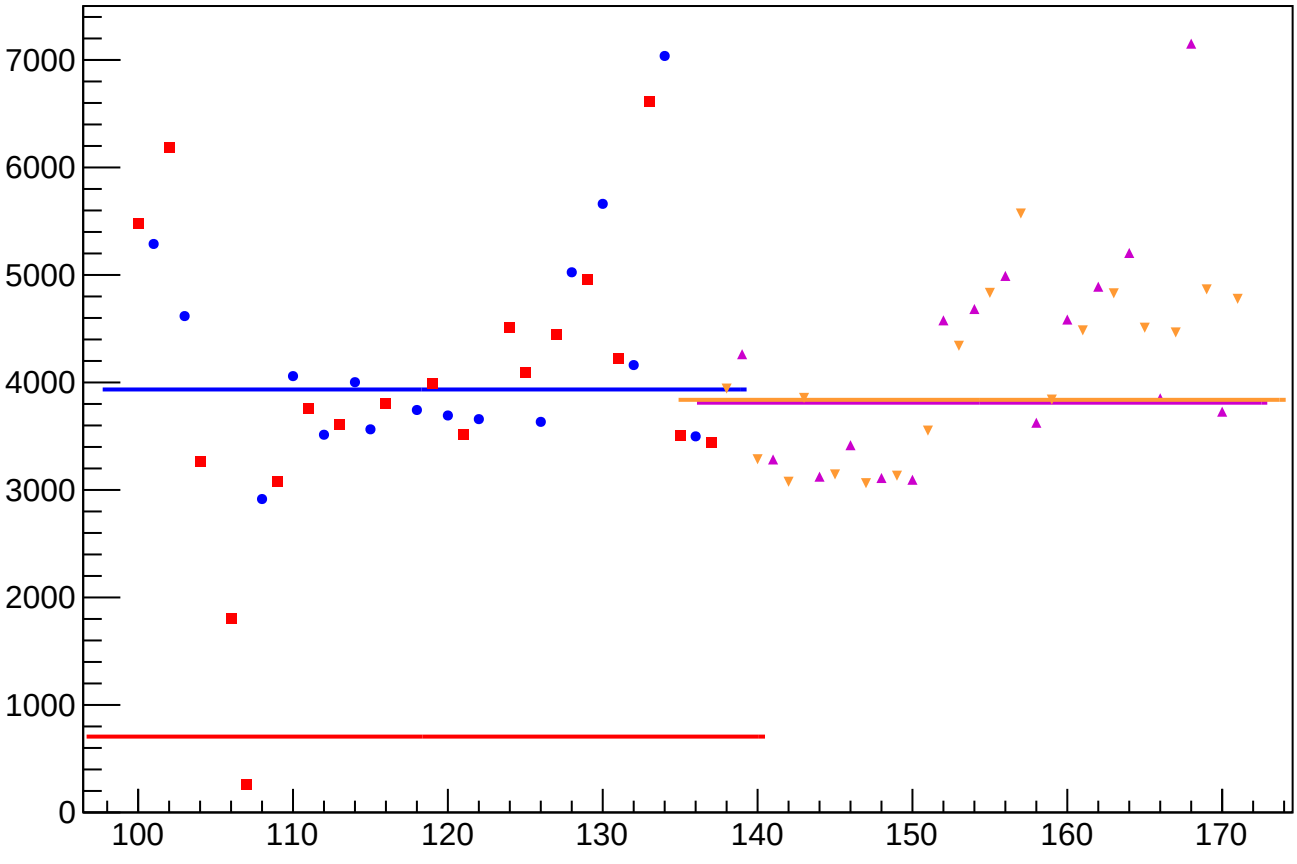
Left: -814.538+/-748.312 χ^2/NDF: 31.2/33

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: -122.623+/-874.376 χ^2/NDF:25.6/31

Out: -70.087+/-459.733 χ^2/NDF:39.7/36

All: -81.465+/-406.915 χ^2/NDF: 65.3/68



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: 3811.734+/-0.760 χ^2/NDF:1146804.8/15

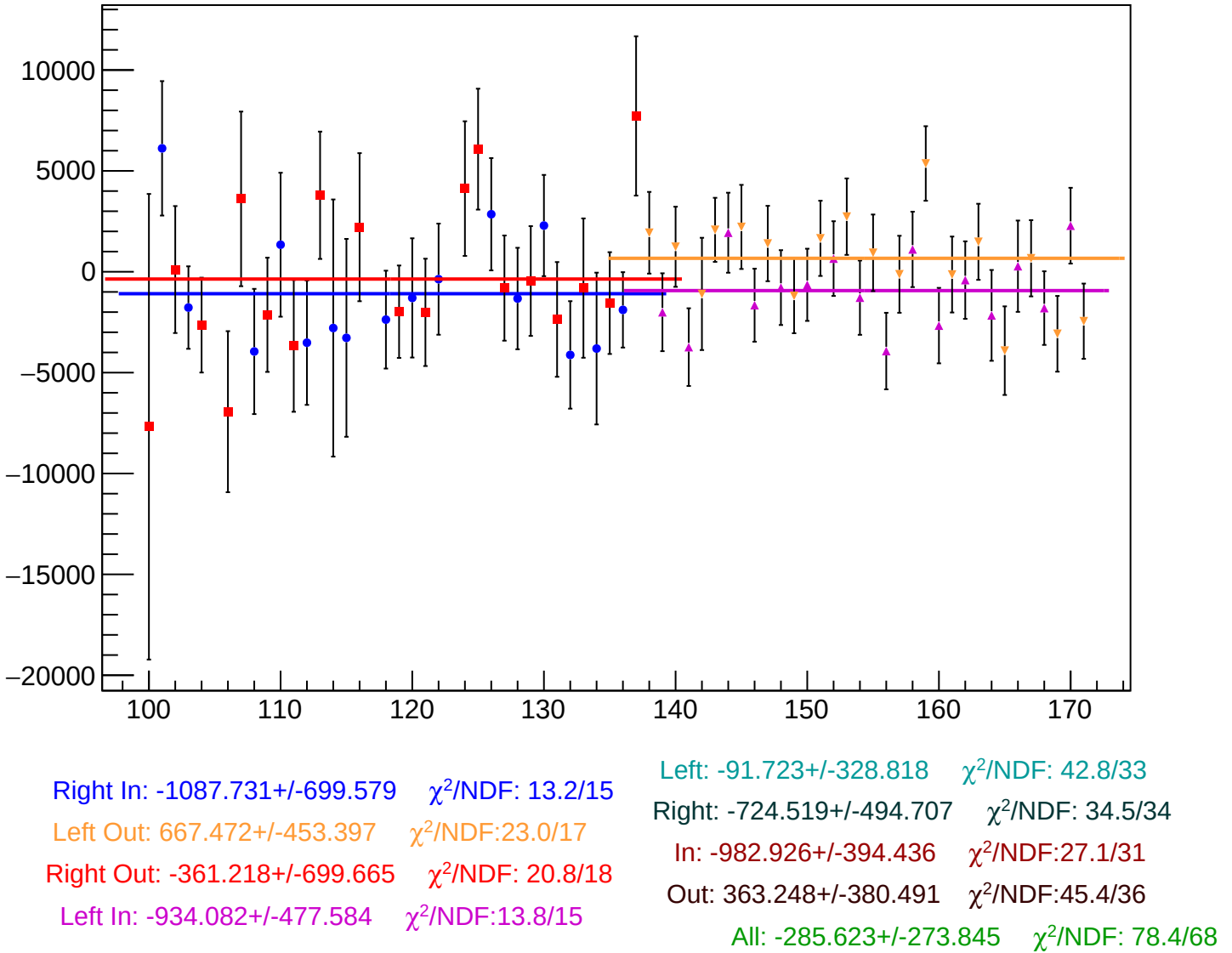
Left: 3825.531+/-0.529 χ^2/NDF: 2069159.4/33

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

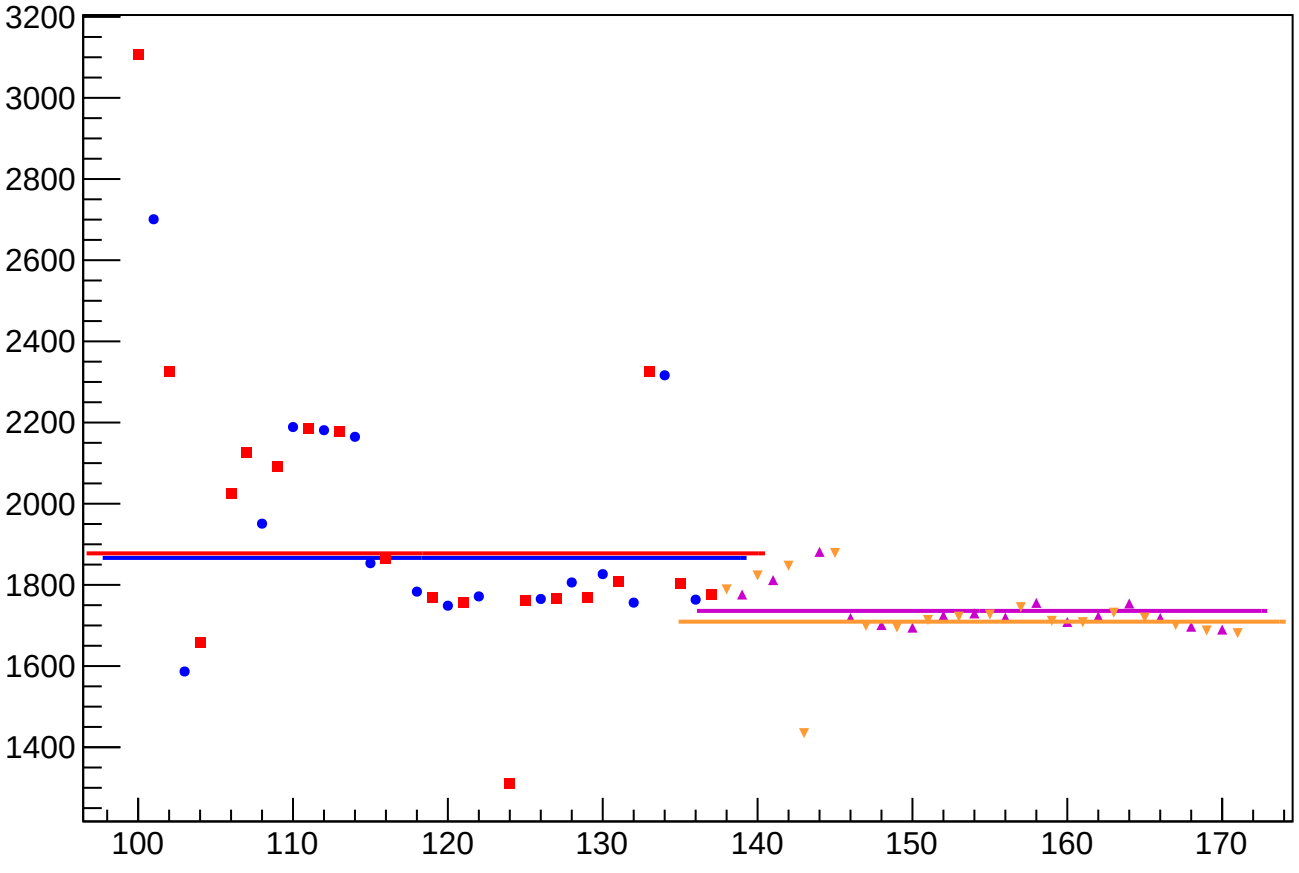
In: 3853.407+/-0.618 χ^2/NDF:1715819.8/31

Out: 1315.454+/-0.325 χ^2/NDF:26228659.6/36

All: 1865.116+/-0.288 χ^2/NDF: 41145198.8/6


dit_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
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: -934.082+/-477.584 χ²/NDF:13.8/15
Left: -91.723+/-328.818 χ²/NDF: 42.8/33
Right: -724.519+/-494.707 χ²/NDF: 34.5/34
In: -982.926+/-394.436 χ²/NDF:27.1/31
Out: 363.248+/-380.491 χ²/NDF:45.4/36
All: -285.623+/-273.845 χ²/NDF: 78.4/68

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: 1735.899+/-0.338 χ^2/NDF:20070.2/15

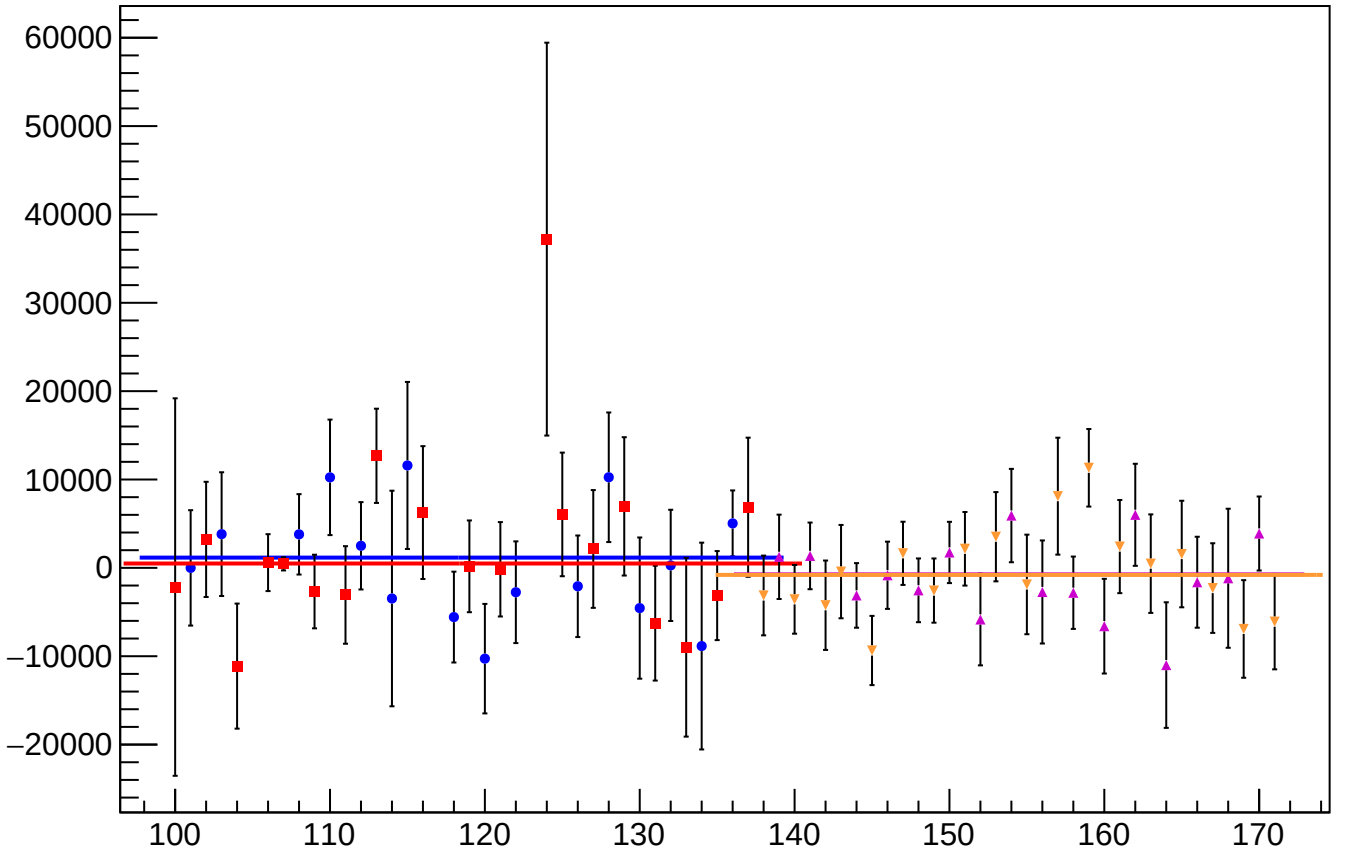
Left: 1721.938+/-0.233 χ^2/NDF: 113162.9/33

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1777.402+/-0.279 χ^2/NDF:323845.4/31

Out: 1759.187+/-0.269 χ^2/NDF:423291.3/36

All: 1767.965+/-0.194 χ^2/NDF: 749346.4/68



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: -735.430+/-1135.564 χ^2/NDF:10.5/15

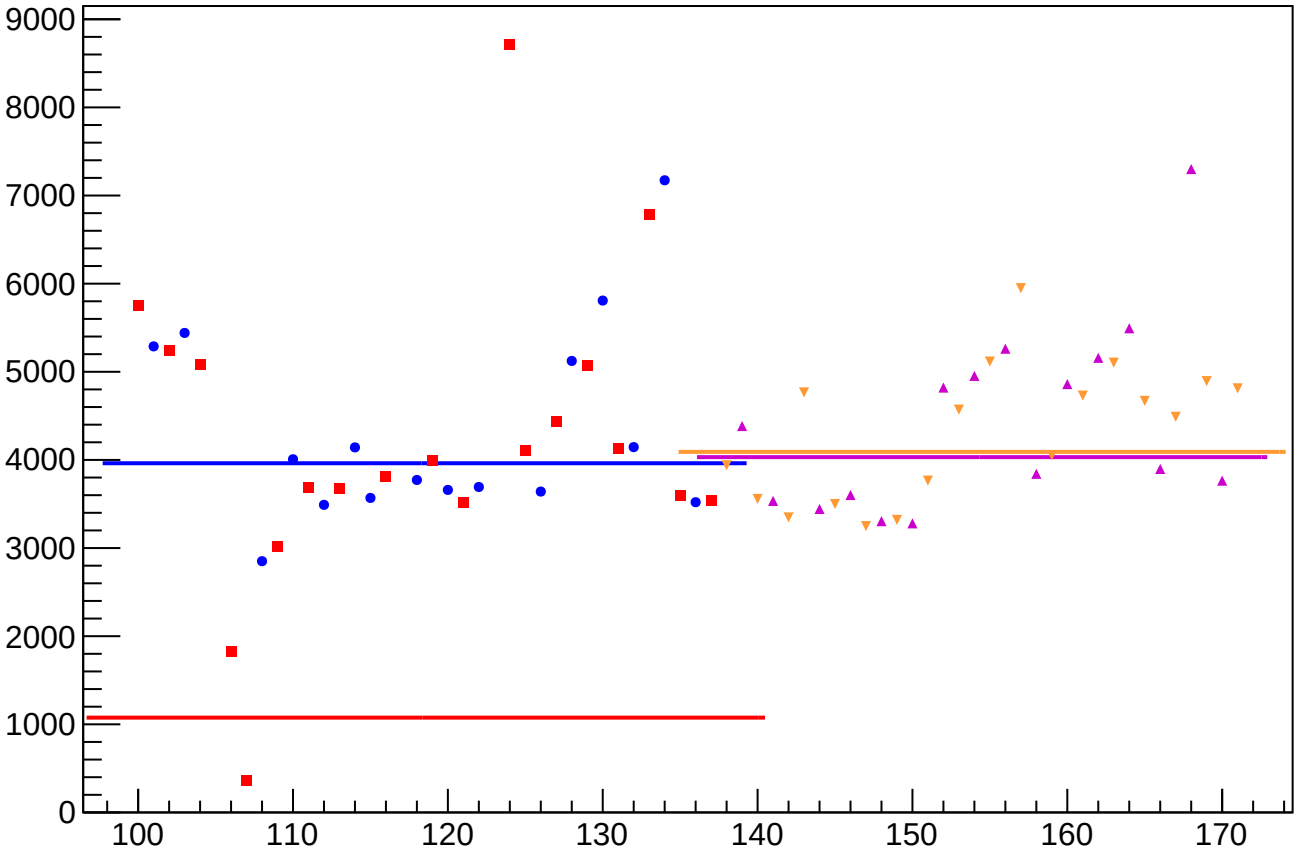
Left: -765.952+/-793.179 χ^2/NDF: 30.8/33

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: -51.596+/-908.049 χ^2/NDF:25.2/31

Out: 156.897+/-566.131 χ^2/NDF:38.2/36

All: 98.539+/-480.411 χ^2/NDF: 63.4/68



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: 4031.547+/-0.803 χ^2/NDF:1061484.7/15

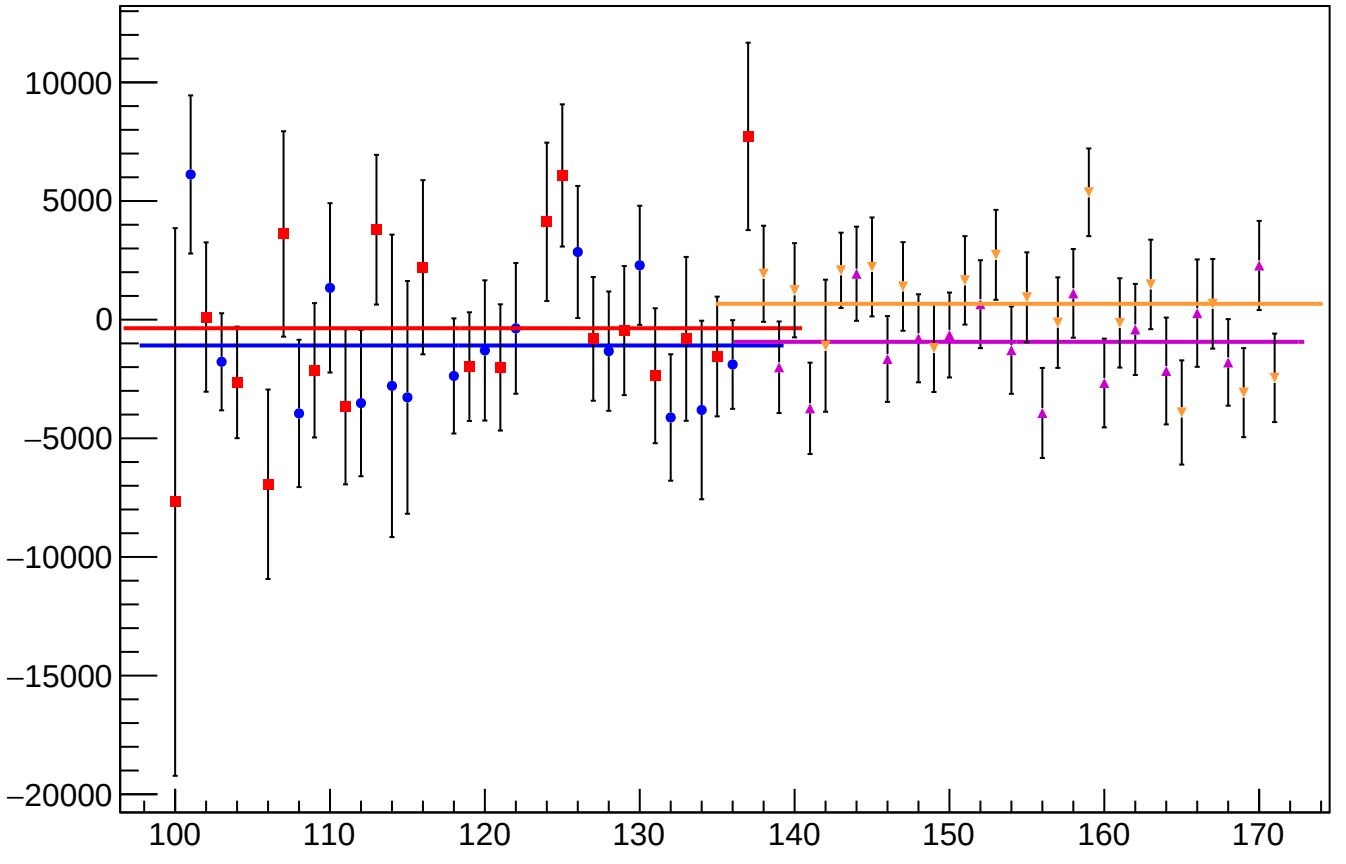
Left: 4062.153+/-0.561 χ^2/NDF: 1885143.3/33

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4006.604+/-0.642 χ^2/NDF:1732500.7/31

Out: 1862.633+/-0.400 χ^2/NDF:21319728.3/36

All: 2462.736+/-0.340 χ^2/NDF: 31080844.6/6



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: -934.084+/-477.585 χ^2/NDF:13.8/15

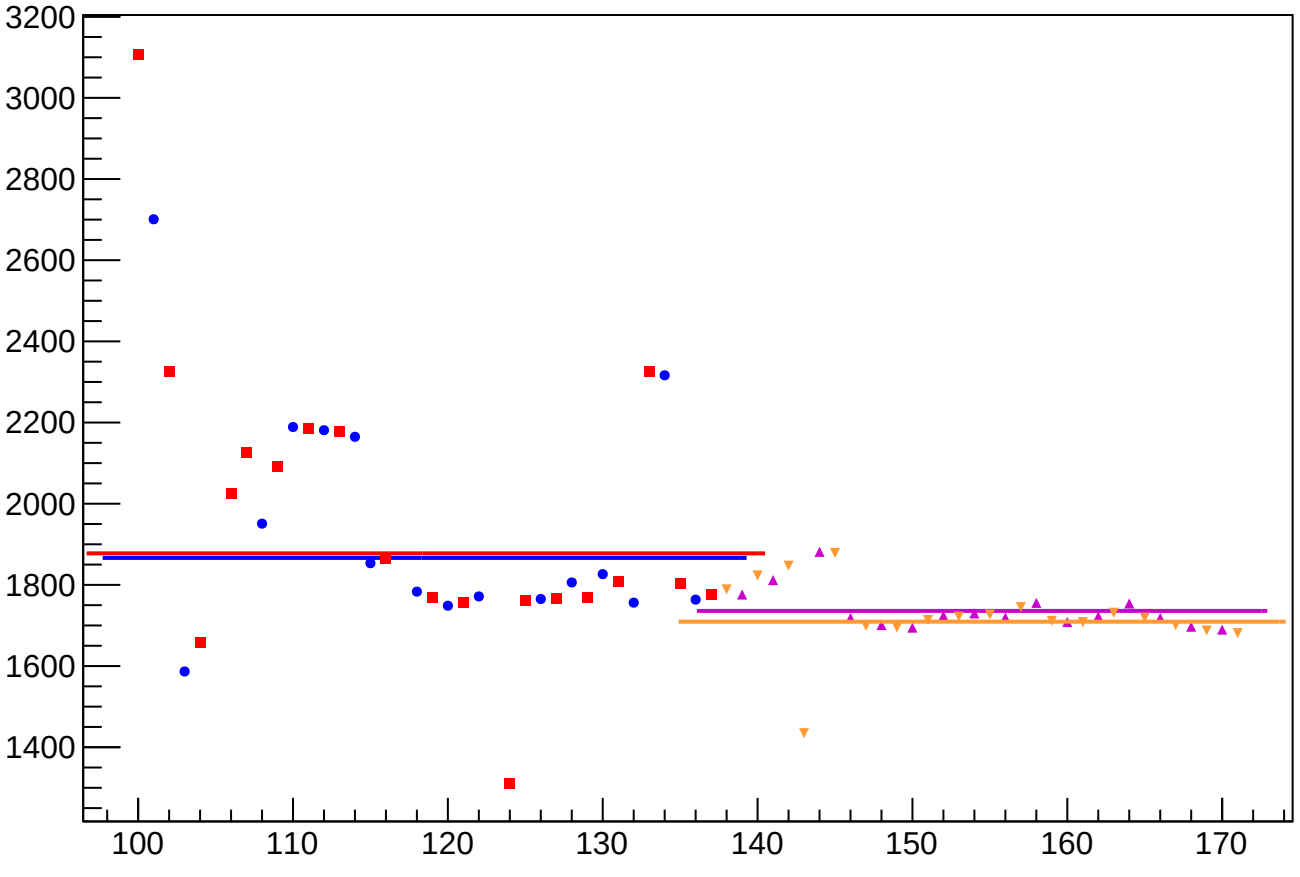
Left: -91.722+/-328.819 χ^2/NDF: 42.8/33

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -982.929+/-394.436 χ^2/NDF:27.1/31

Out: 363.248+/-380.492 χ^2/NDF:45.4/36

All: -285.624+/-273.845 χ^2/NDF: 78.4/68



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: 1735.900+/-0.338 χ^2/NDF:20070.1/15

Left: 1721.938+/-0.233 χ^2/NDF: 113162.0/33

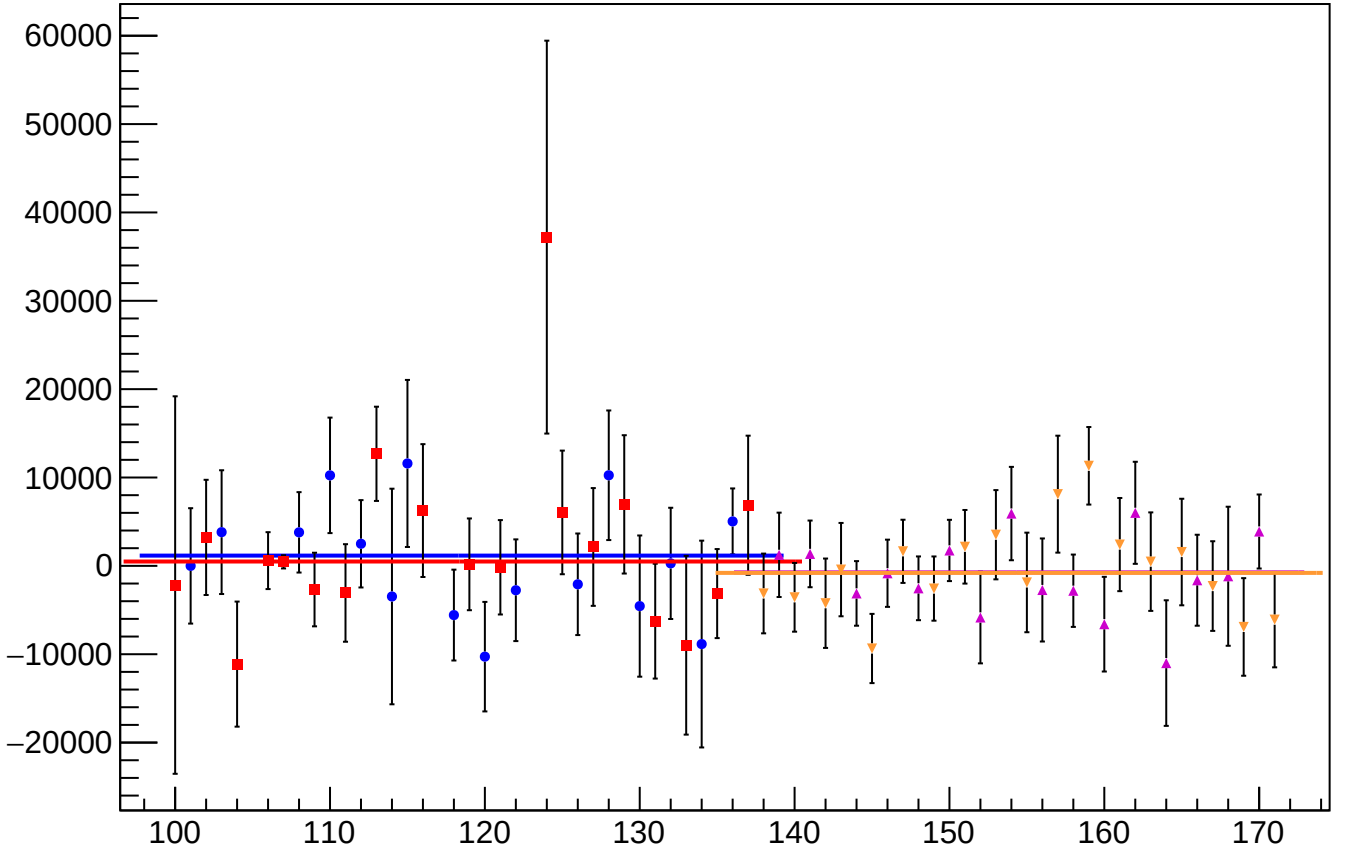
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1777.402+/-0.279 χ^2/NDF:323844.4/31

Out: 1759.188+/-0.269 χ^2/NDF:423289.9/36

All: 1767.965+/-0.194 χ^2/NDF: 749344.1/68

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1161.104+/-1512.222 χ^2/NDF: 13.7/15

Left Out: -795.031+/-1108.381 χ^2/NDF:20.3/17

Right Out: 492.914+/-658.521 χ^2/NDF: 16.9/18

Left In: -735.428+/-1135.565 χ^2/NDF:10.5/15

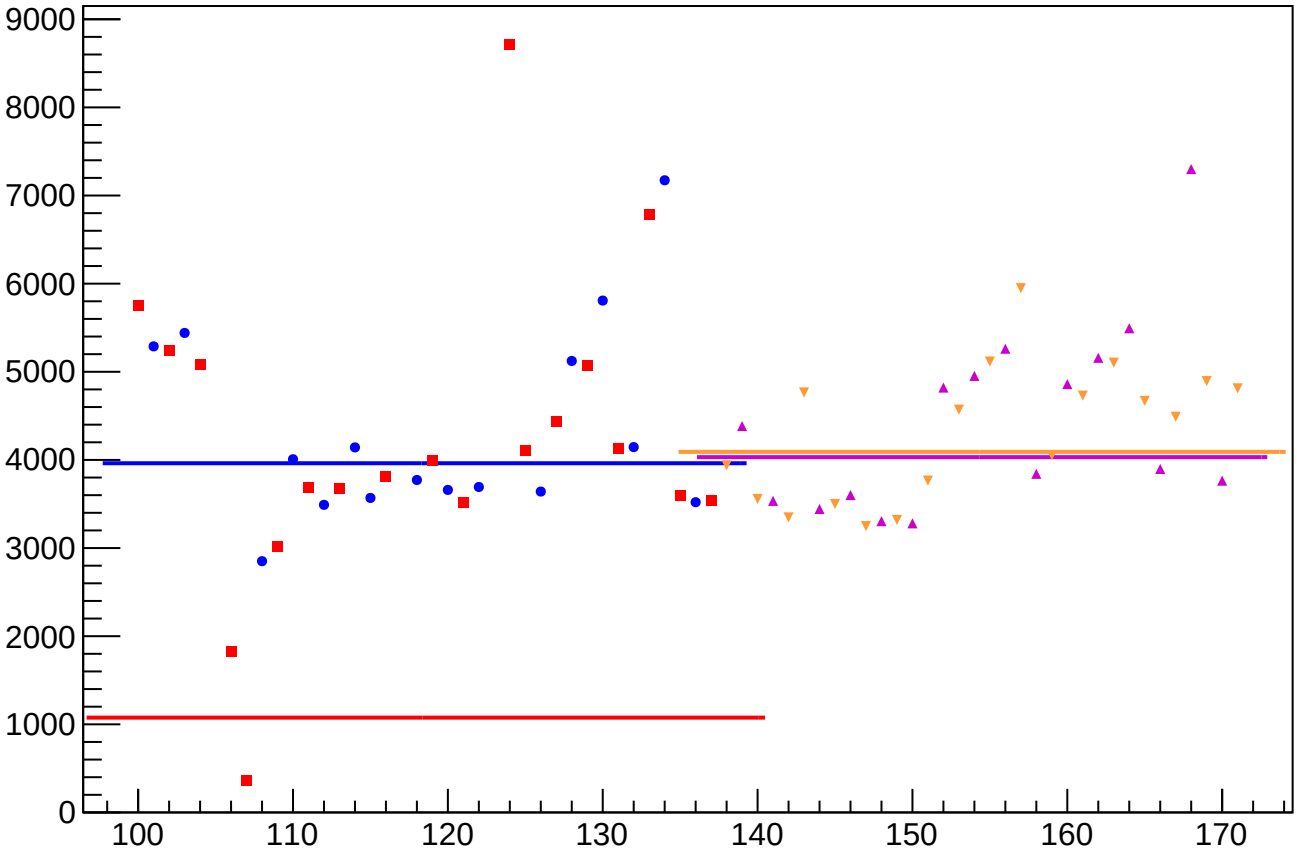
Left: -765.952+/-793.180 χ^2/NDF: 30.8/33

Right: 599.426+/-603.759 χ^2/NDF: 30.8/34

In: -51.599+/-908.049 χ^2/NDF:25.2/31

Out: 156.895+/-566.138 χ^2/NDF:38.2/36

All: 98.536+/-480.415 χ^2/NDF: 63.4/68



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: 4031.553+/-0.803 χ^2/NDF:1061486.7/15

Left: 4062.158+/-0.561 χ^2/NDF: 1885145.0/33

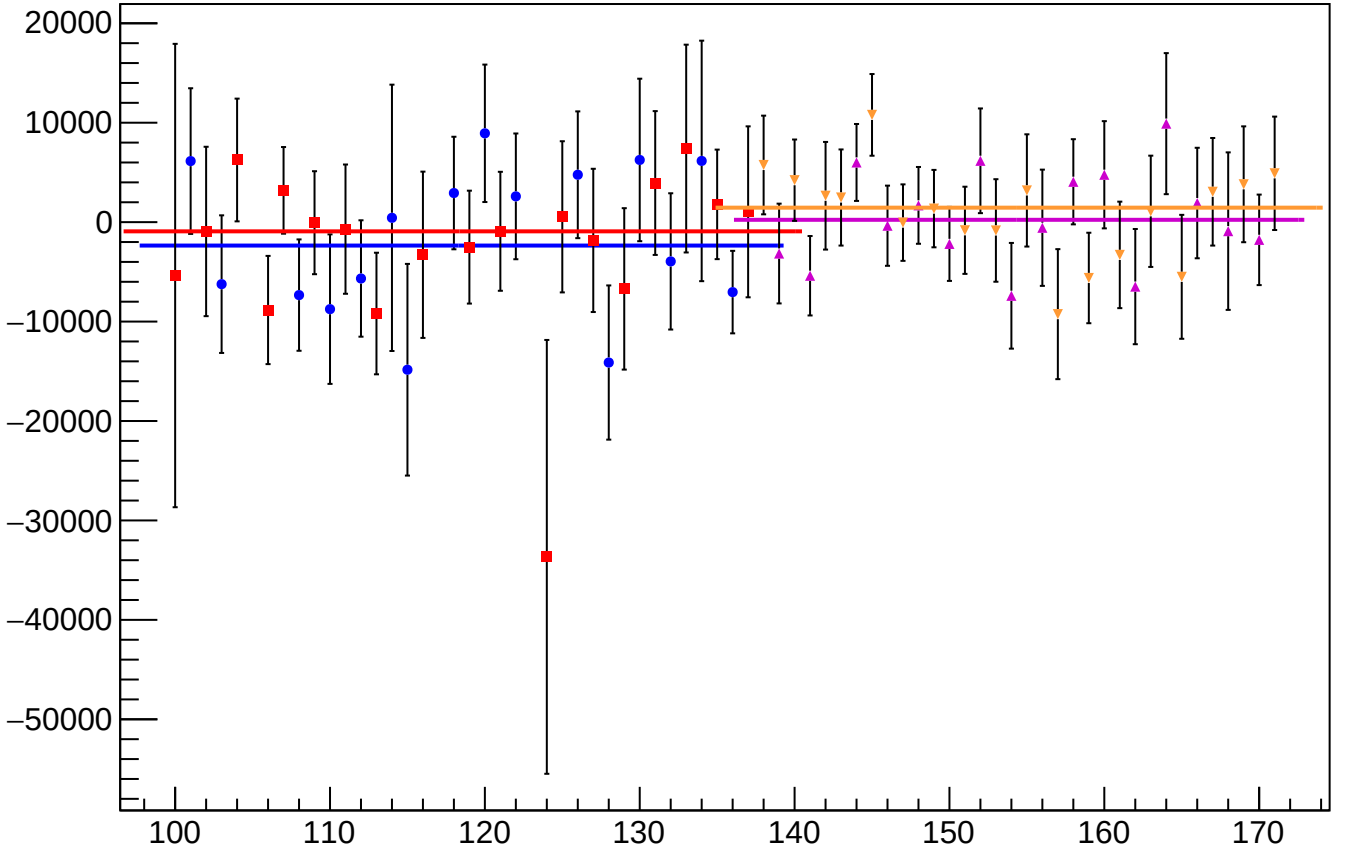
Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

In: 4006.605+/-0.642 χ^2/NDF:1732500.0/31

Out: 1862.674+/-0.400 χ^2/NDF:21319298.9/36

All: 2462.777+/-0.340 χ^2/NDF: 31080051.5/6

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: 235.007+/-1190.263 χ^2/NDF:13.6/15

Left: 864.451+/-828.825 χ^2/NDF: 29.1/33

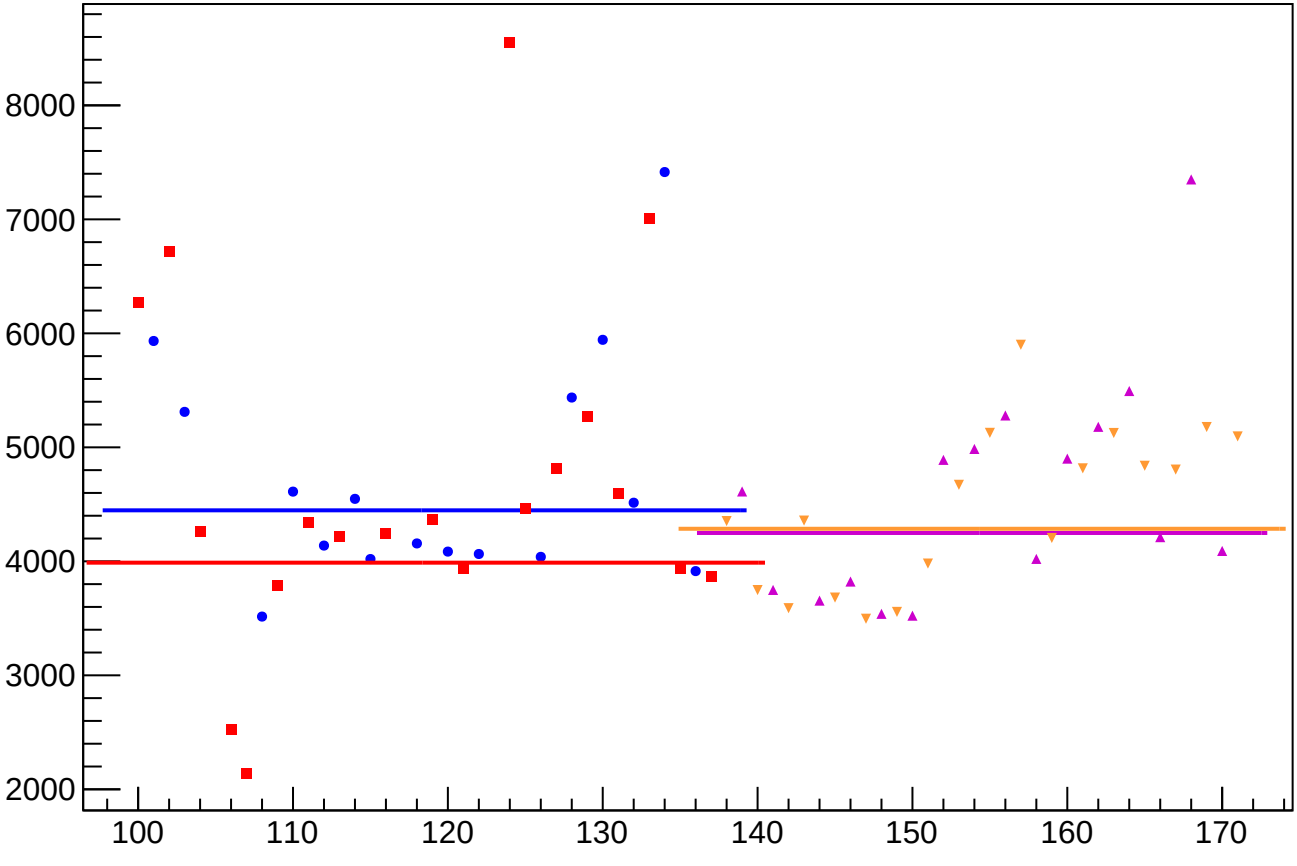
Right: -1578.969+/-1139.452 χ^2/NDF: 26.5/34

In: -627.255+/-972.134 χ^2/NDF:30.7/31

Out: 604.562+/-925.385 χ^2/NDF:27.1/36

All: 18.983+/-670.264 χ^2/NDF: 58.6/68

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: 4248.687+/-0.842 χ^2/NDF:842303.5/15

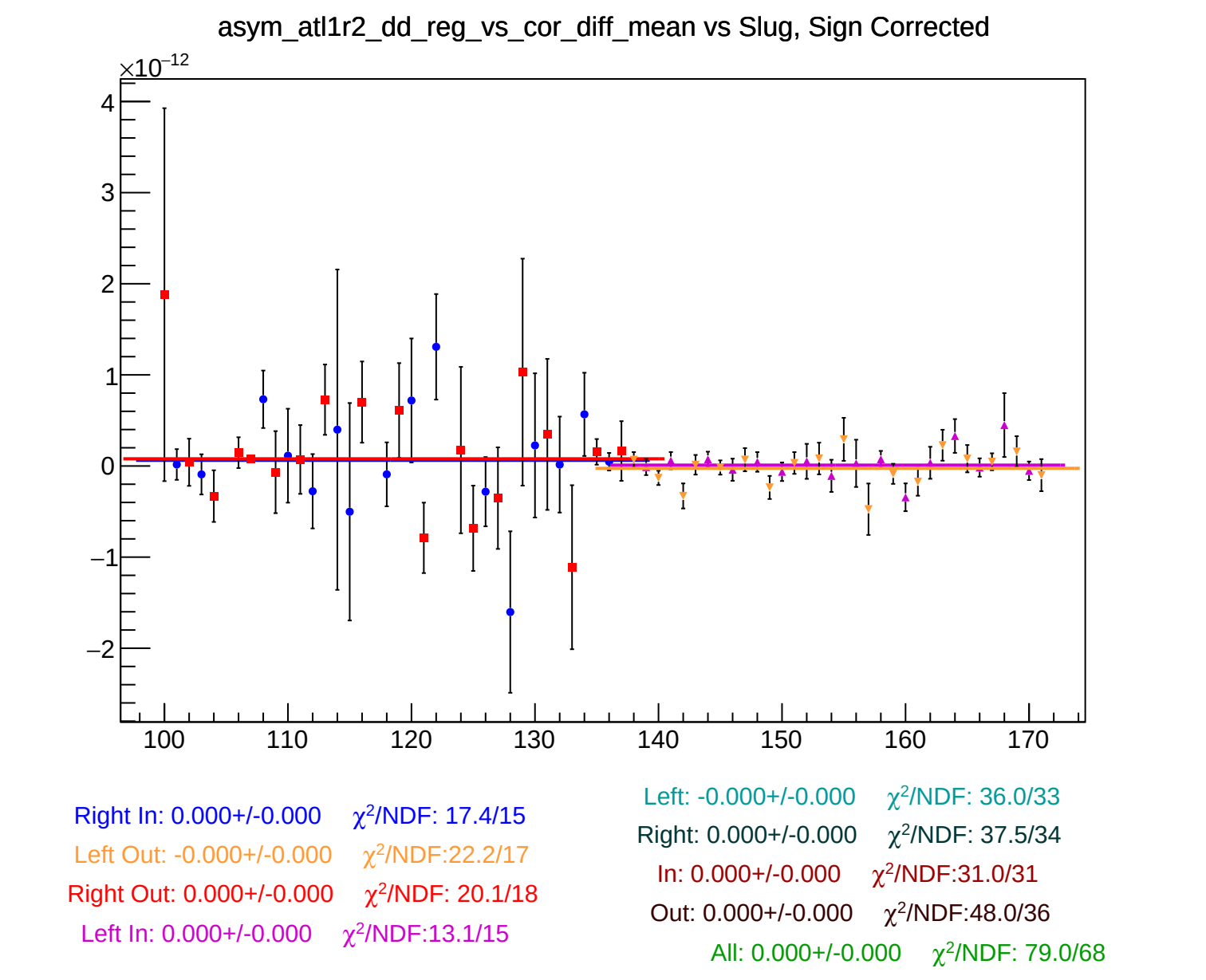
Left: 4267.732+/-0.586 χ^2/NDF: 1483461.9/33

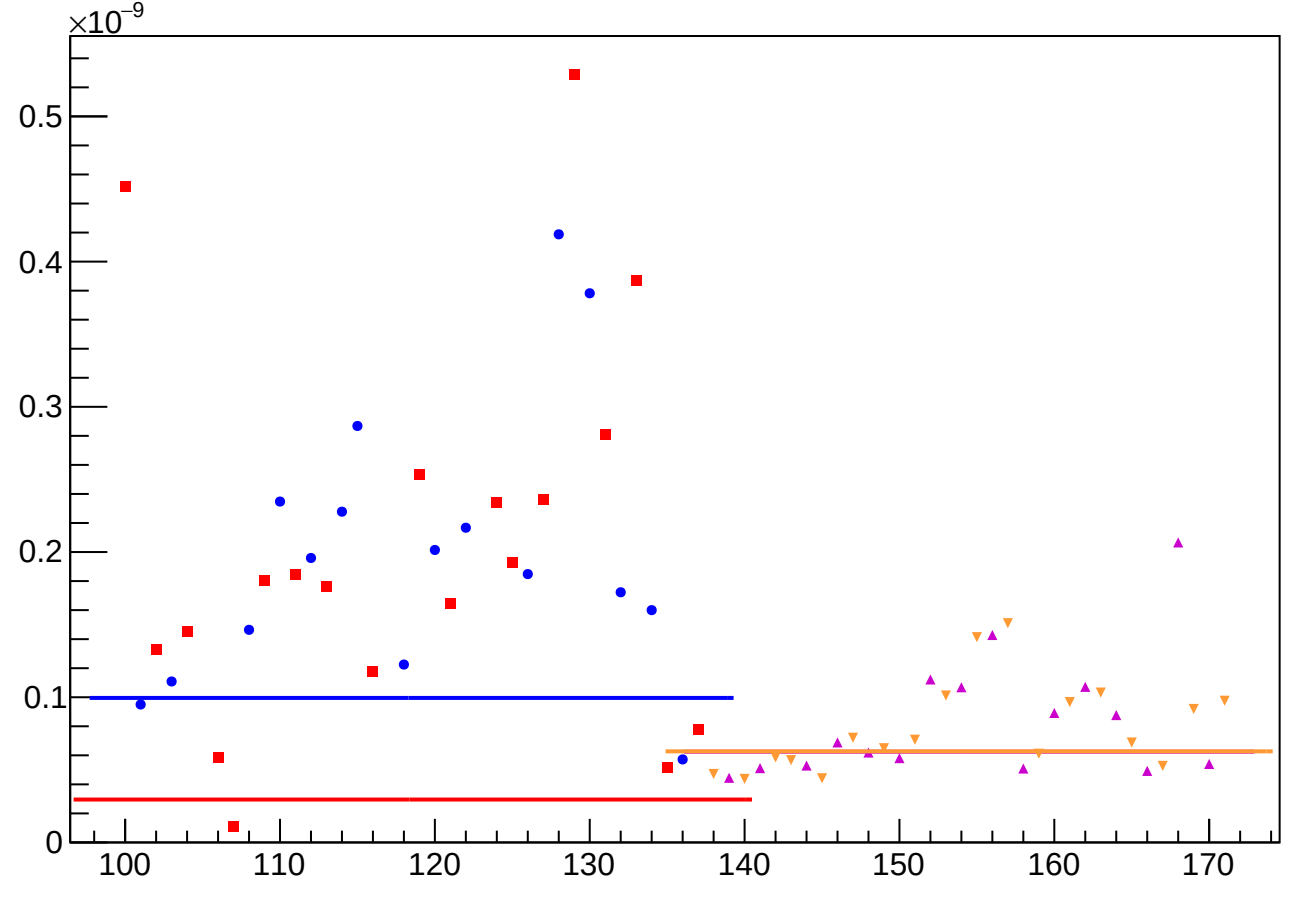
Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4314.854+/-0.687 χ^2/NDF:1319118.3/31

Out: 4177.859+/-0.652 χ^2/NDF:1832179.2/36

All: 4242.738+/-0.473 χ^2/NDF: 3172205.6/68


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:13.1/15
Left: -0.000+/-0.000 χ²/NDF: 36.0/33
Right: 0.000+/-0.000 χ²/NDF: 37.5/34
In: 0.000+/-0.000 χ²/NDF:31.0/31
Out: 0.000+/-0.000 χ²/NDF:48.0/36
All: 0.000+/-0.000 χ²/NDF: 79.0/68



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:1246112.0/15

Left: 0.000+/-0.000 χ^2/NDF: 2464361.3/33

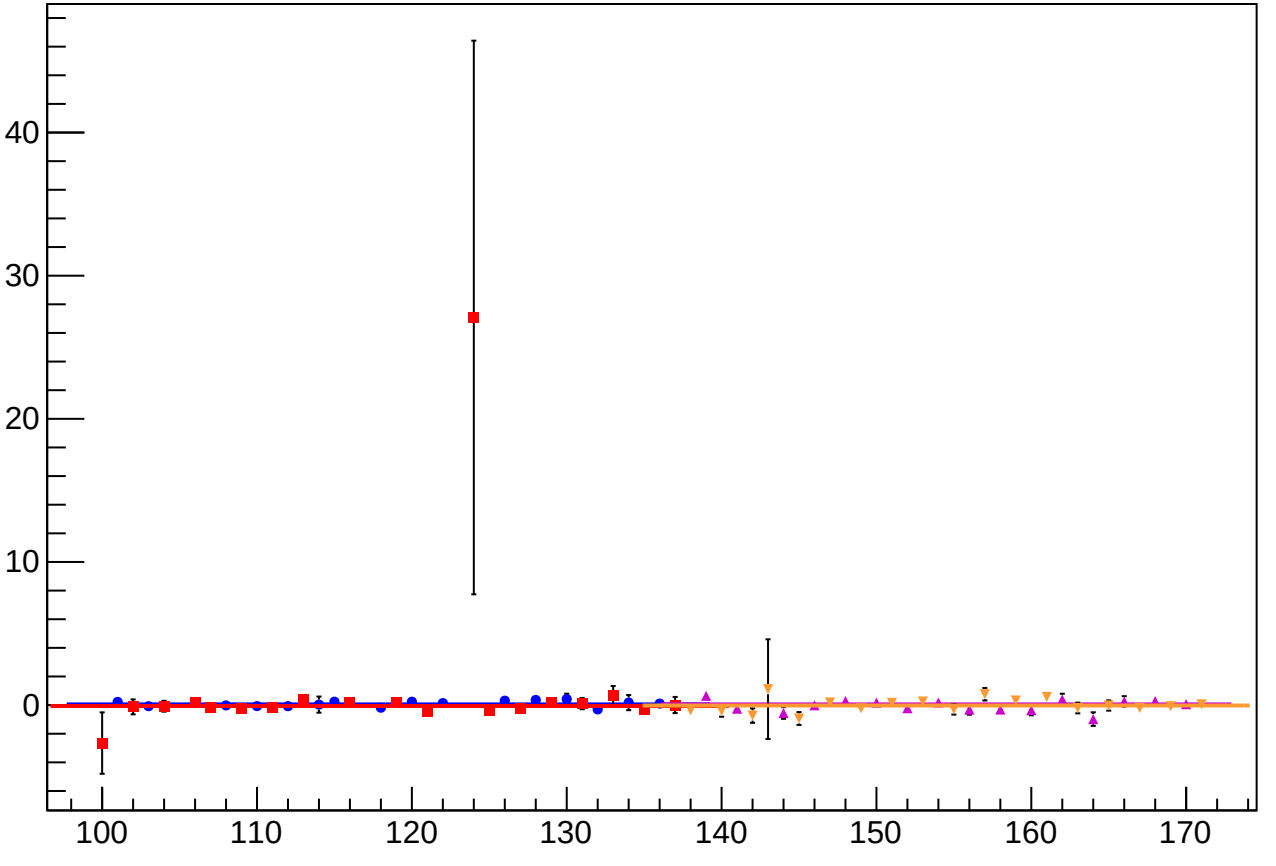
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3306138.1/31

Out: 0.000+/-0.000 χ^2/NDF:6736990.6/36

All: 0.000+/-0.000 χ^2/NDF: 10680401.8/68

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: 0.048+/-0.076 χ^2/NDF:21.3/15

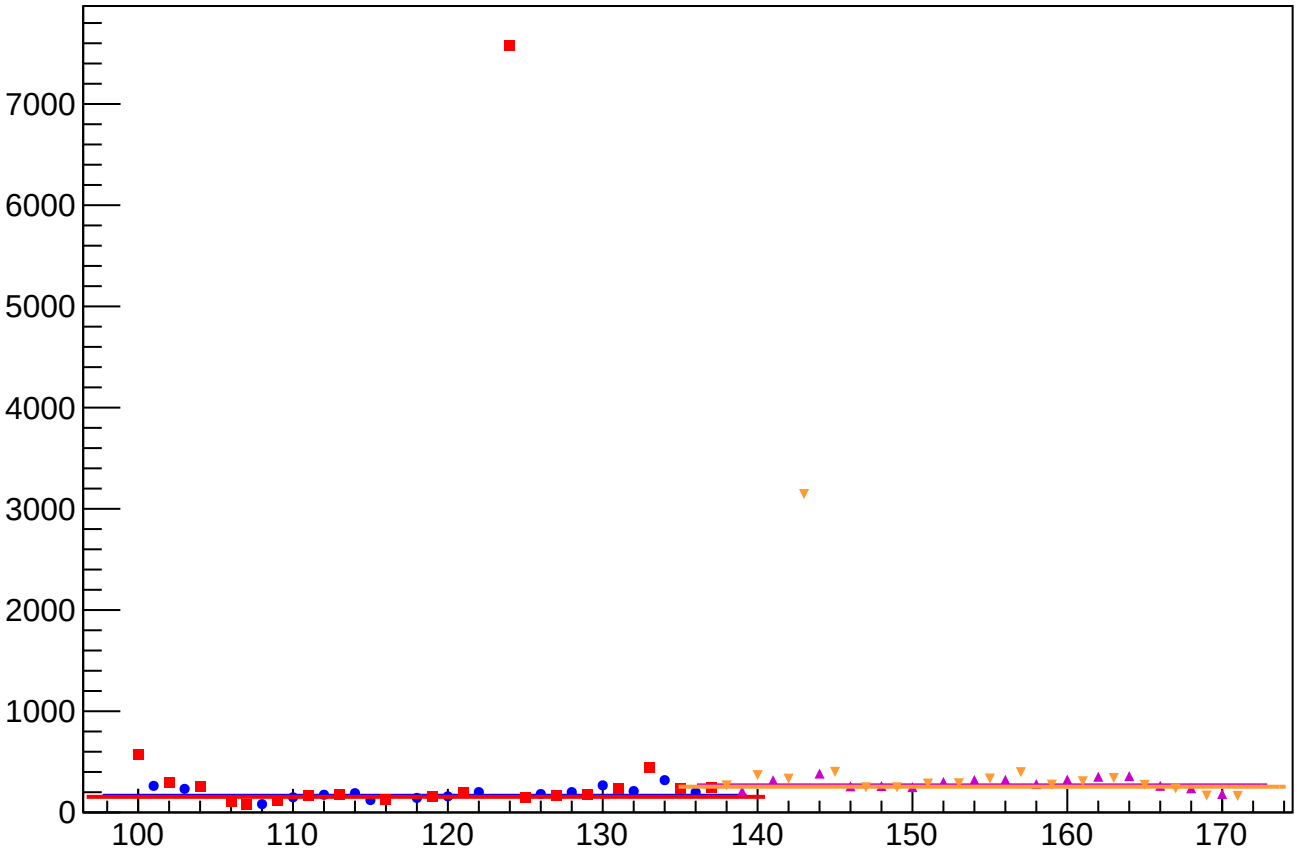
Left: 0.009+/-0.052 χ^2/NDF: 41.2/33

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: -0.001+/-0.035 χ^2/NDF: 68.7/68



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: 267.773+/-0.054 χ^2/NDF:1034376.0/15

Left: 260.724+/-0.037 χ^2/NDF: 4314069.5/33

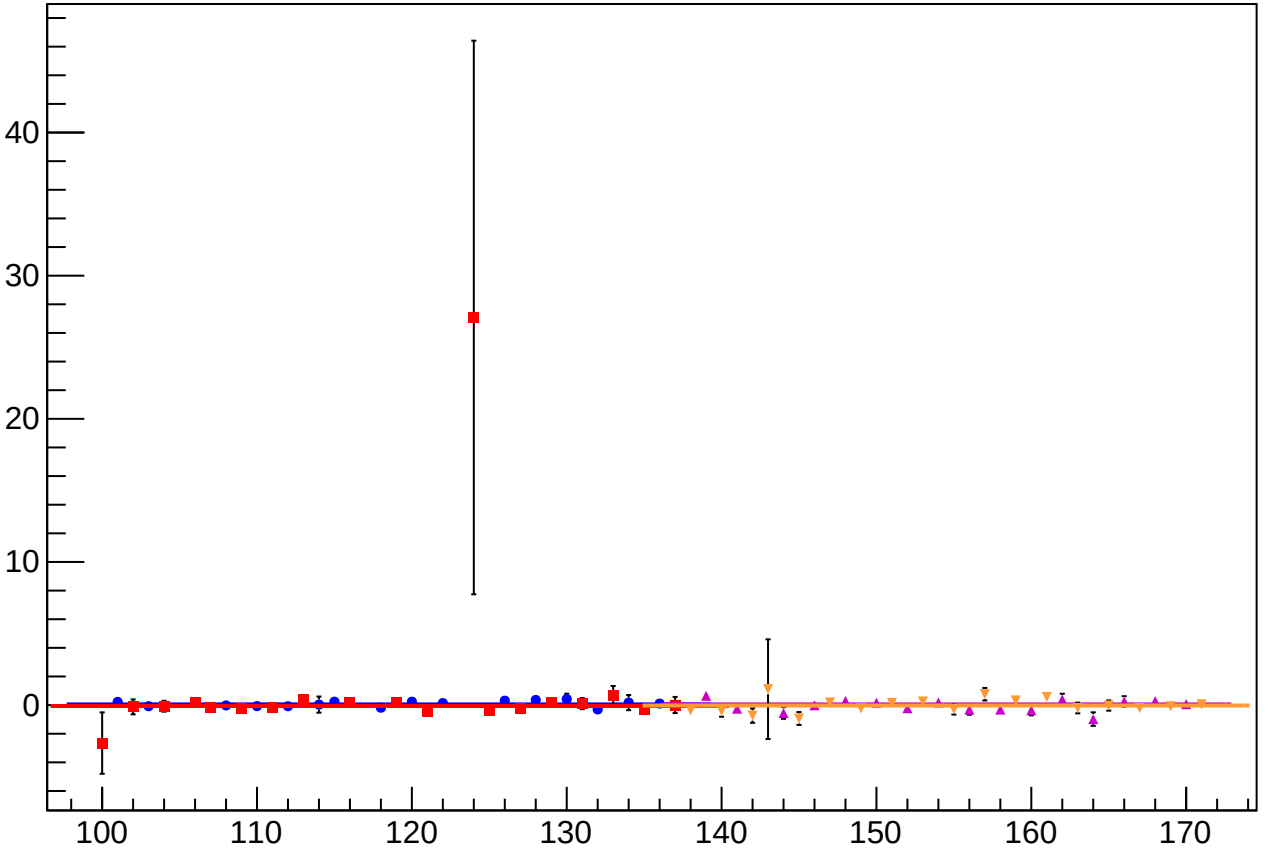
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.311+/-0.035 χ^2/NDF:4583663.7/31

Out: 198.510+/-0.034 χ^2/NDF:7294983.2/36

All: 203.700+/-0.025 χ^2/NDF: 11927028.8/68

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: 0.048+/-0.076 χ^2/NDF:21.3/15

Left: 0.009+/-0.052 χ^2/NDF: 41.2/33

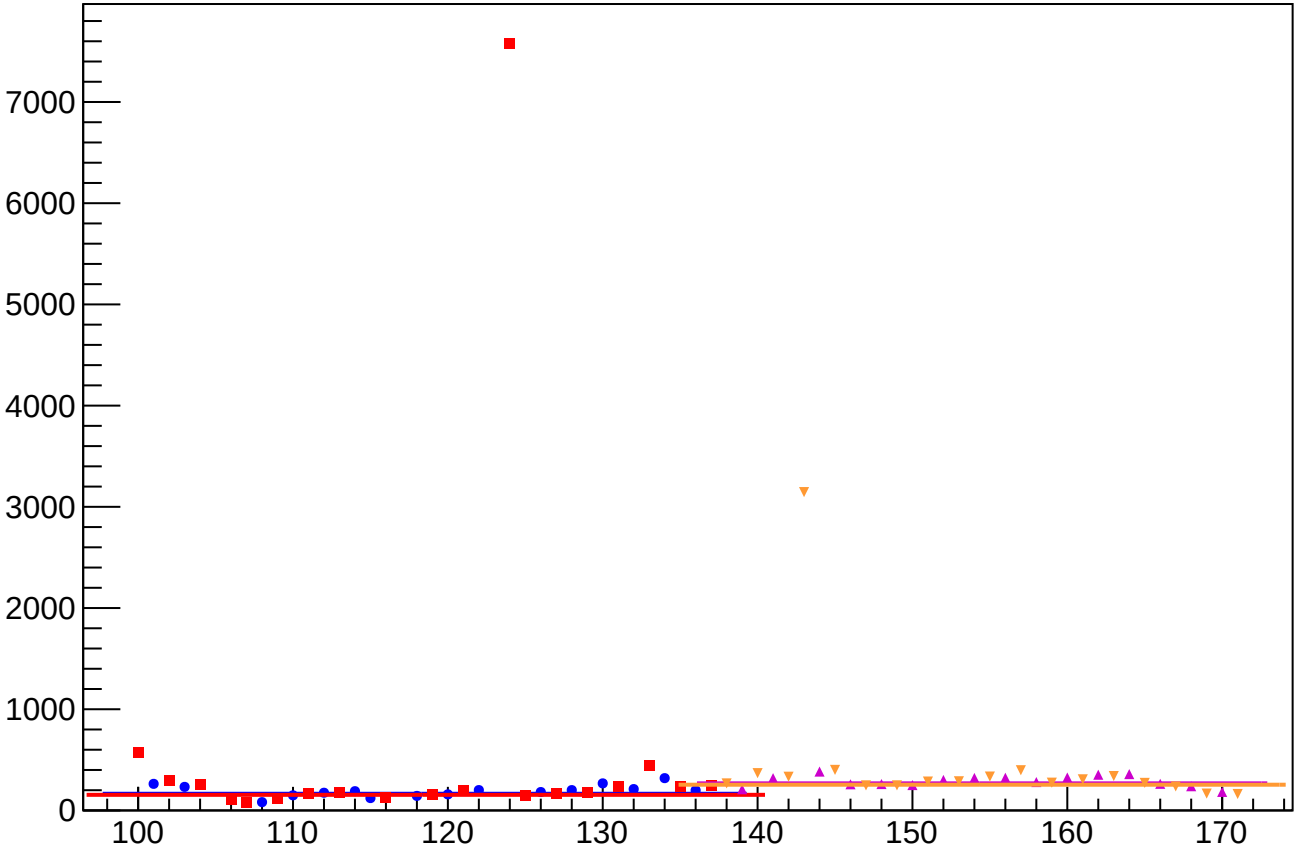
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: -0.001+/-0.035 χ^2/NDF: 68.7/68

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 254.346+/-0.051 χ^2/NDF:3247057.9/17

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 267.773+/-0.054 χ^2/NDF:1034376.0/15

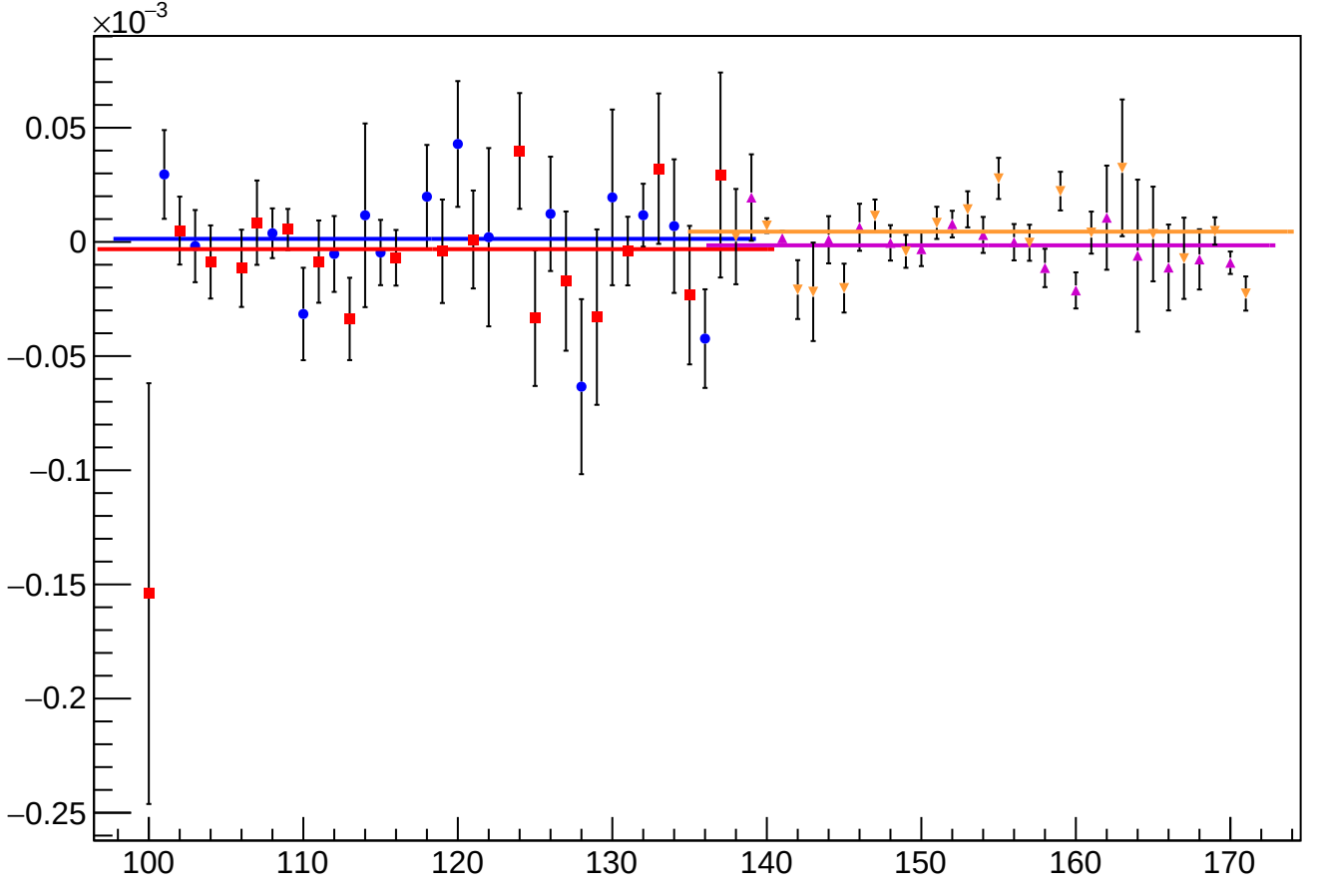
Left: 260.724+/-0.037 χ^2/NDF: 4314069.5/33

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 209.311+/-0.035 χ^2/NDF:4583663.7/31

Out: 198.510+/-0.034 χ^2/NDF:7294983.2/36

All: 203.700+/-0.025 χ^2/NDF: 11927028.8/68



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:16.6/15

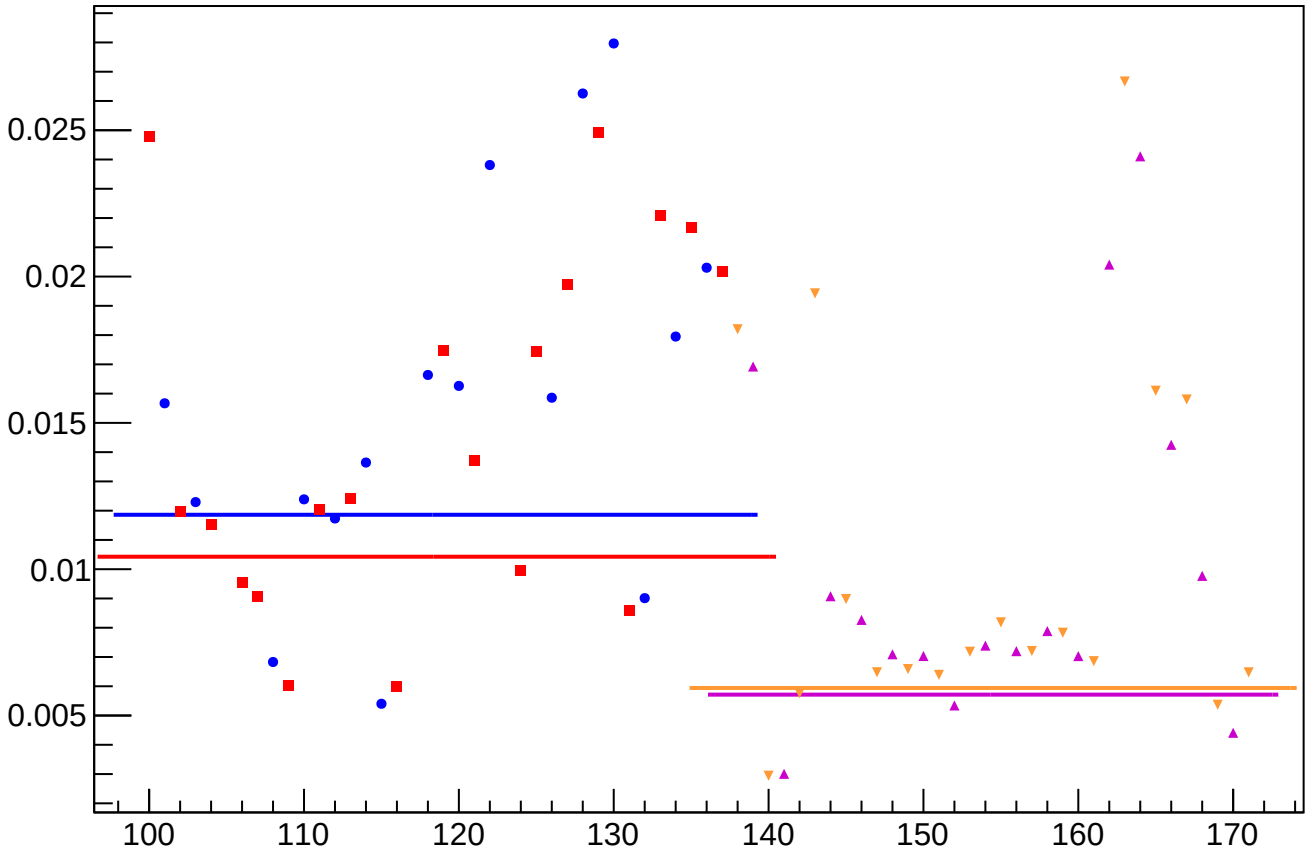
Left: 0.000+/-0.000 χ^2/NDF: 63.5/33

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

In: -0.000+/-0.000 χ^2/NDF:33.1/31

Out: 0.000+/-0.000 χ^2/NDF:58.8/36

All: 0.000+/-0.000 χ^2/NDF: 95.3/68



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:5129036.3/15

Left: 0.006+/-0.000 χ^2/NDF: 10980032.4/33

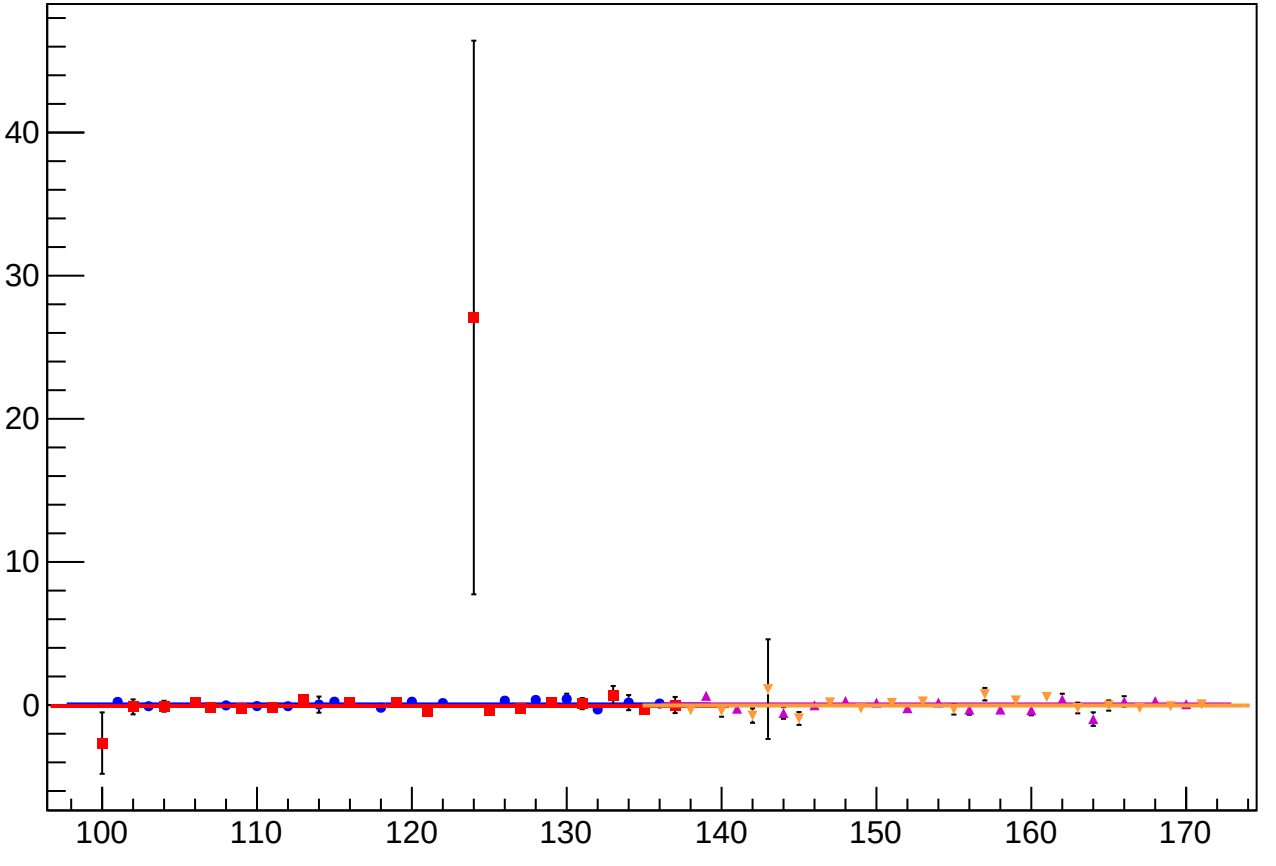
Right: 0.011+/-0.000 χ^2/NDF: 4860752.3/34

In: 0.006+/-0.000 χ^2/NDF:10322988.6/31

Out: 0.007+/-0.000 χ^2/NDF:10077674.9/36

All: 0.007+/-0.000 χ^2/NDF: 20411166.7/68

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: 0.048+/-0.076 χ^2/NDF:21.3/15

Left: 0.009+/-0.052 χ^2/NDF: 41.2/33

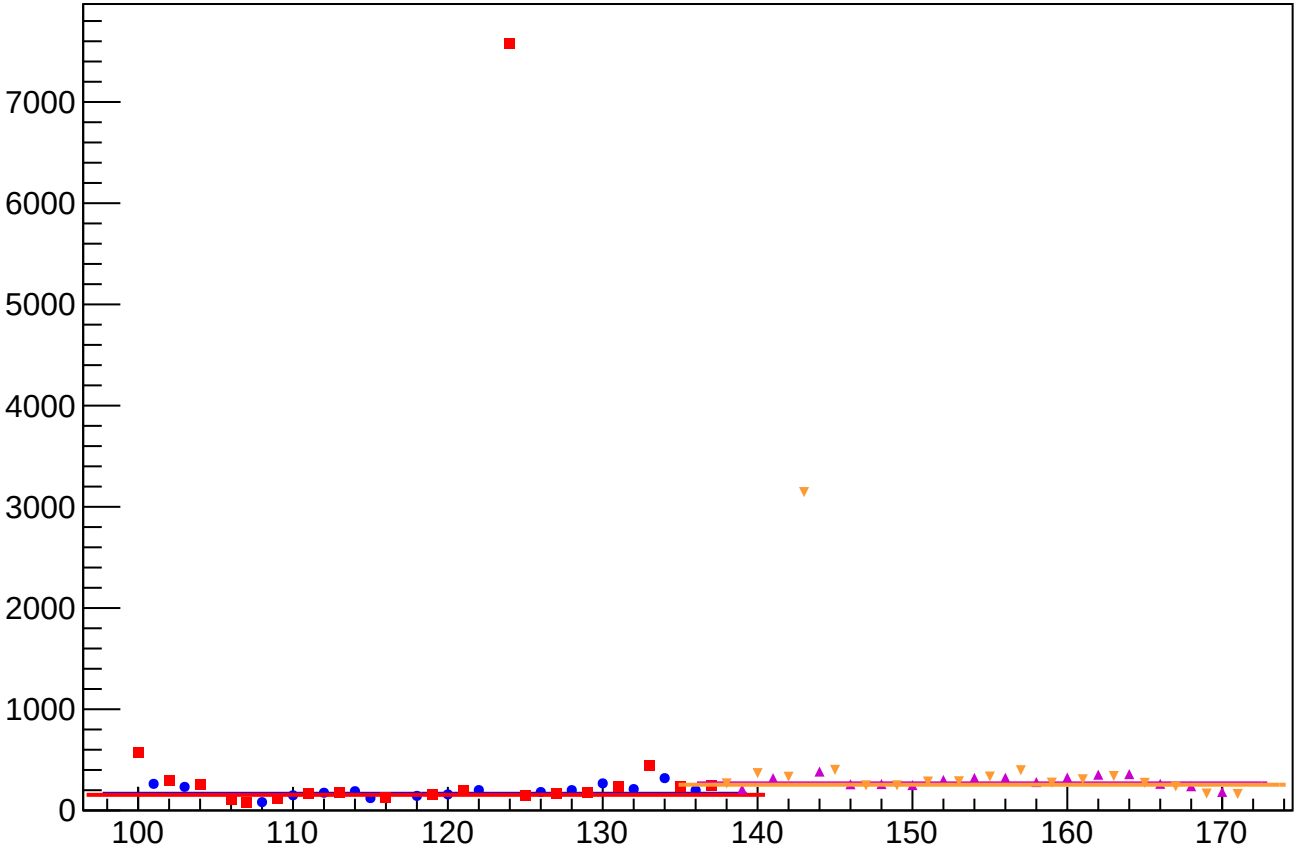
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: -0.001+/-0.035 χ^2/NDF: 68.7/68

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 254.347+/-0.051 χ^2/NDF:3247174.3/17

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.777+/-0.054 χ^2/NDF:1034392.4/15

Left: 260.727+/-0.037 χ^2/NDF: 4314212.0/33

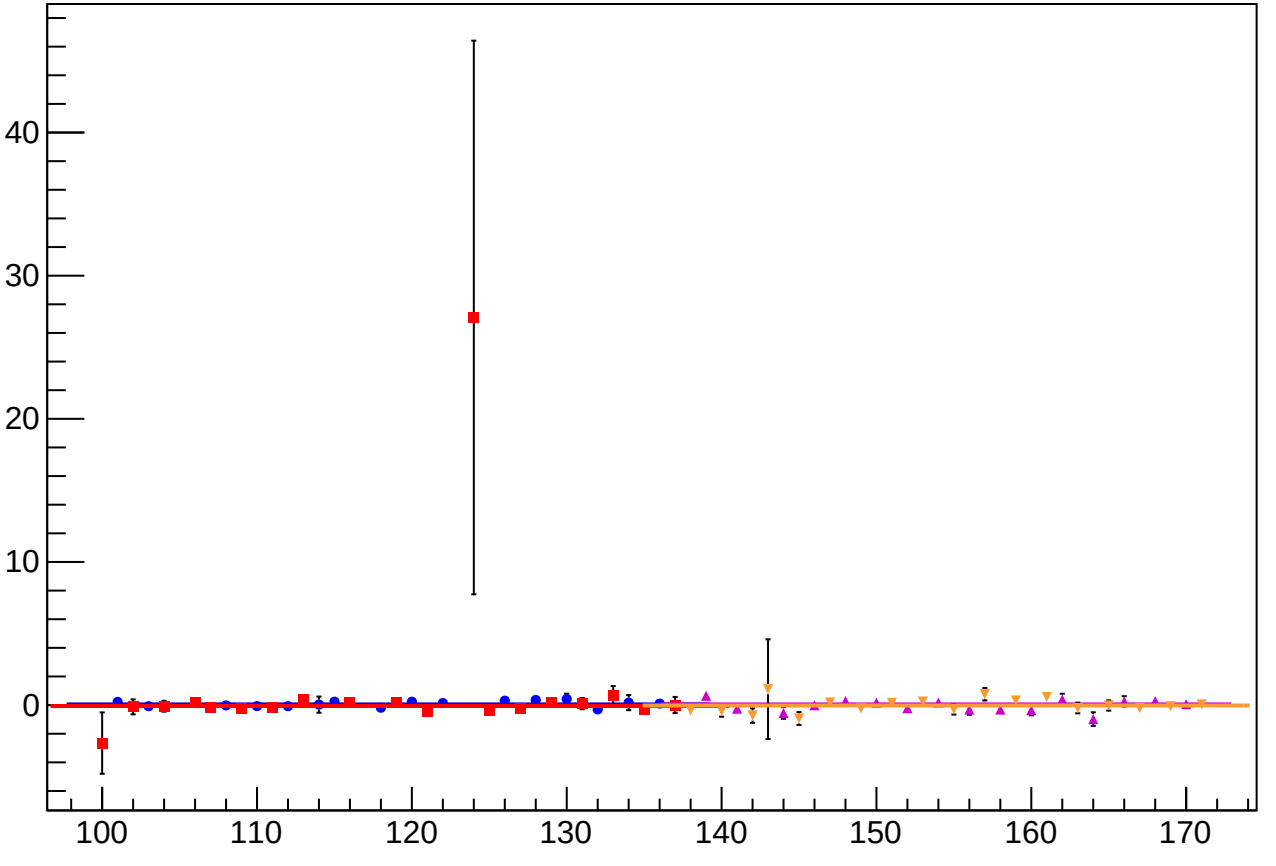
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.311+/-0.035 χ^2/NDF:4583775.7/31

Out: 198.510+/-0.034 χ^2/NDF:7295176.4/36

All: 203.700+/-0.025 χ^2/NDF: 11927338.5/68

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: 0.048+/-0.076 χ^2/NDF:21.3/15

Left: 0.009+/-0.052 χ^2/NDF: 41.2/33

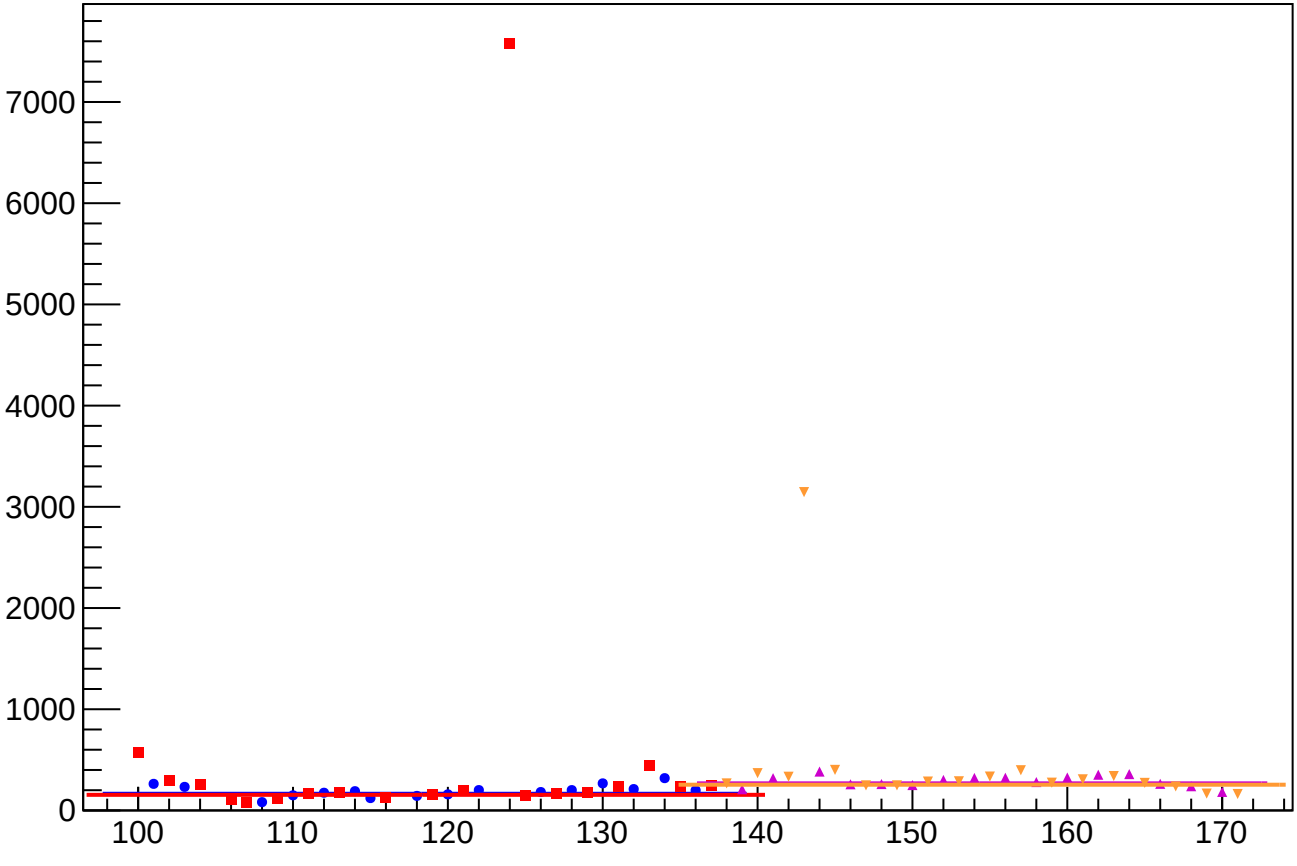
Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.048+/-0.050 χ^2/NDF:28.9/31

Out: -0.046+/-0.048 χ^2/NDF:38.0/36

All: -0.001+/-0.035 χ^2/NDF: 68.7/68

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 254.347+/-0.051 χ^2/NDF:3247174.3/17

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 267.777+/-0.054 χ^2/NDF:1034392.4/15

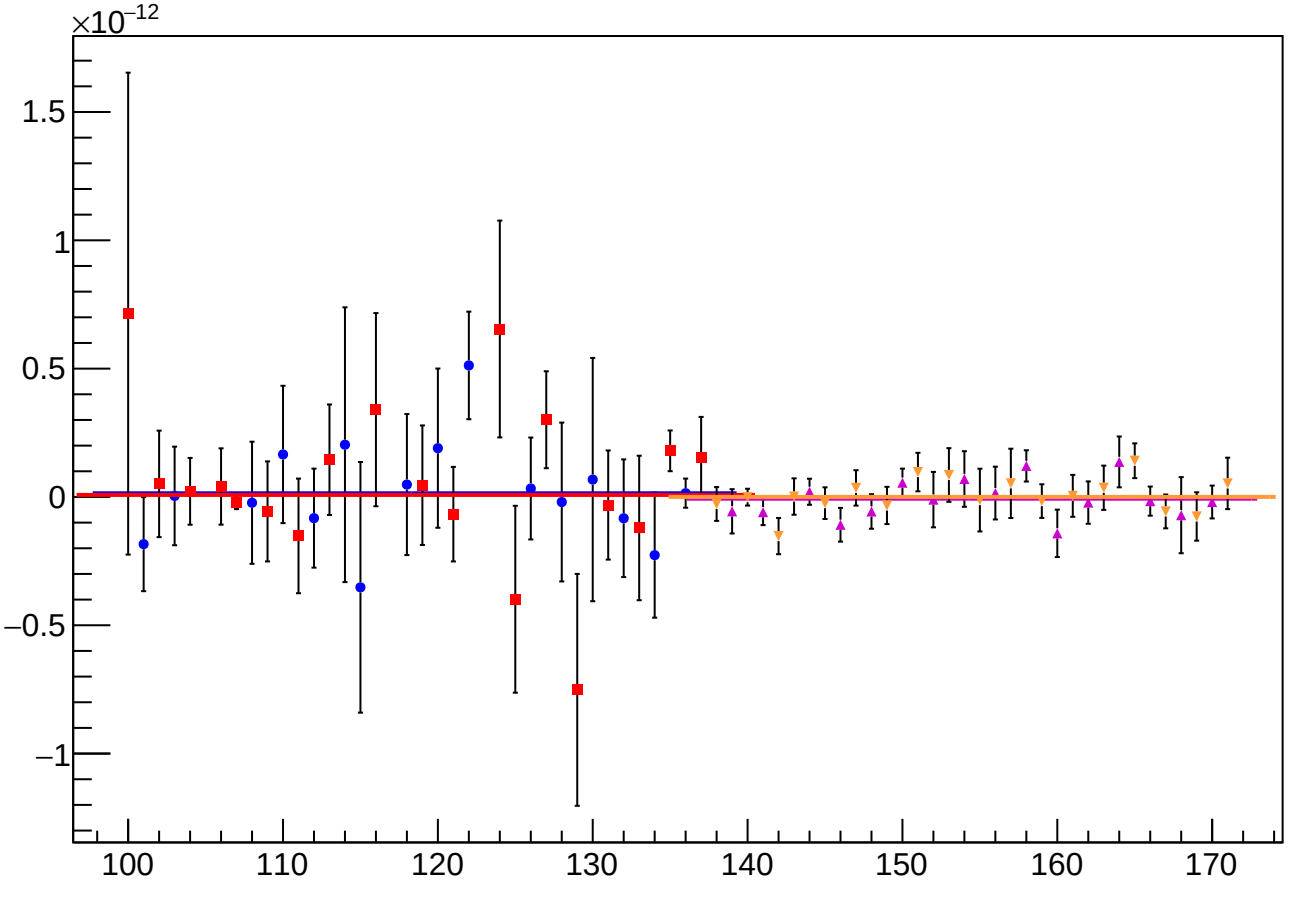
Left: 260.727+/-0.037 χ^2/NDF: 4314212.0/33

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 209.311+/-0.035 χ^2/NDF:4583775.7/31

Out: 198.510+/-0.034 χ^2/NDF:7295176.4/36

All: 203.700+/-0.025 χ^2/NDF: 11927338.5/68



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:15.4/15

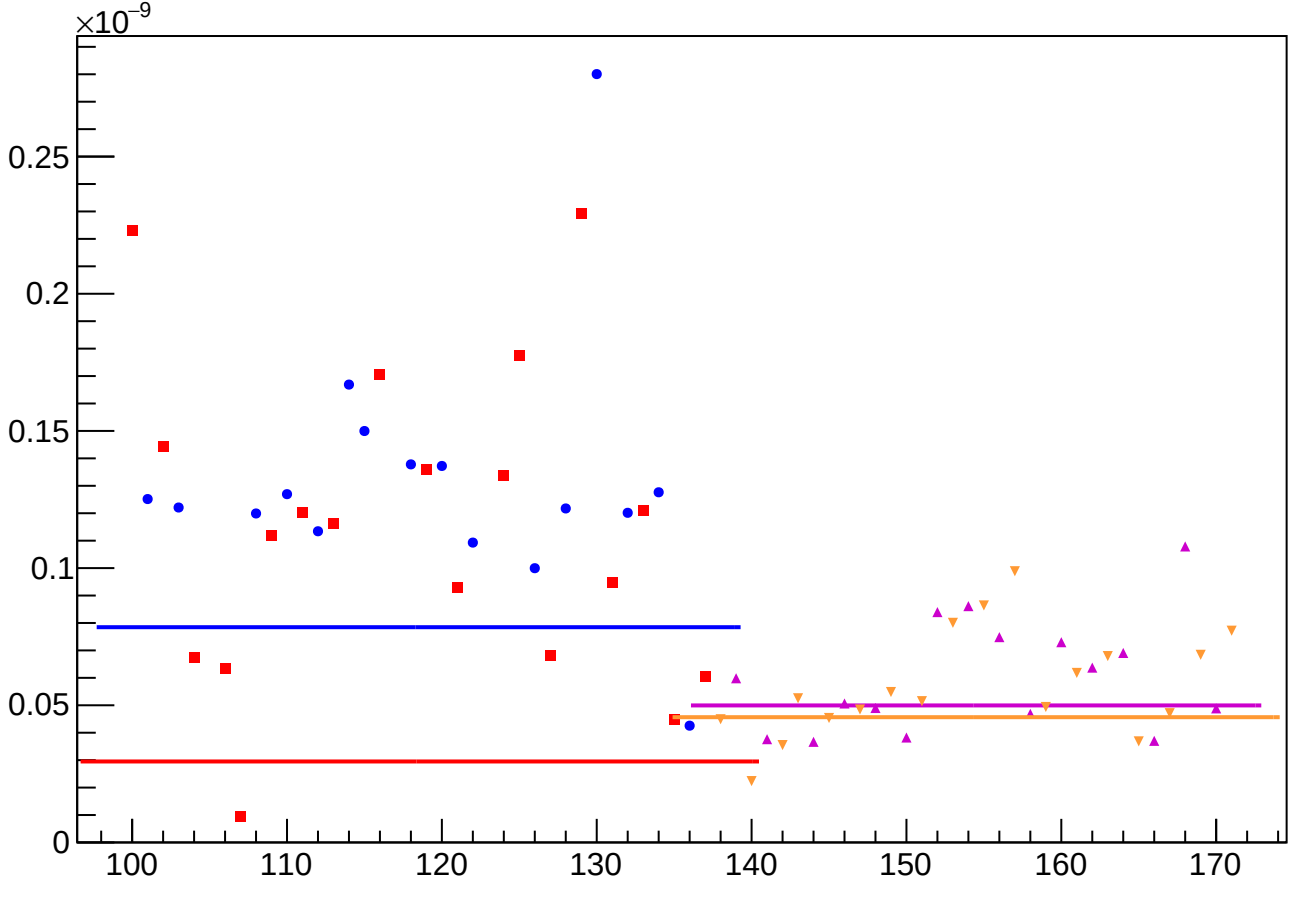
Left: -0.000+/-0.000 χ^2/NDF: 29.7/33

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: -0.000+/-0.000 χ^2/NDF:25.2/31

Out: 0.000+/-0.000 χ^2/NDF:32.6/36

All: 0.000+/-0.000 χ^2/NDF: 57.9/68



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:1581524.8/15

Left: 0.000+/-0.000 χ^2/NDF: 4076697.0/33

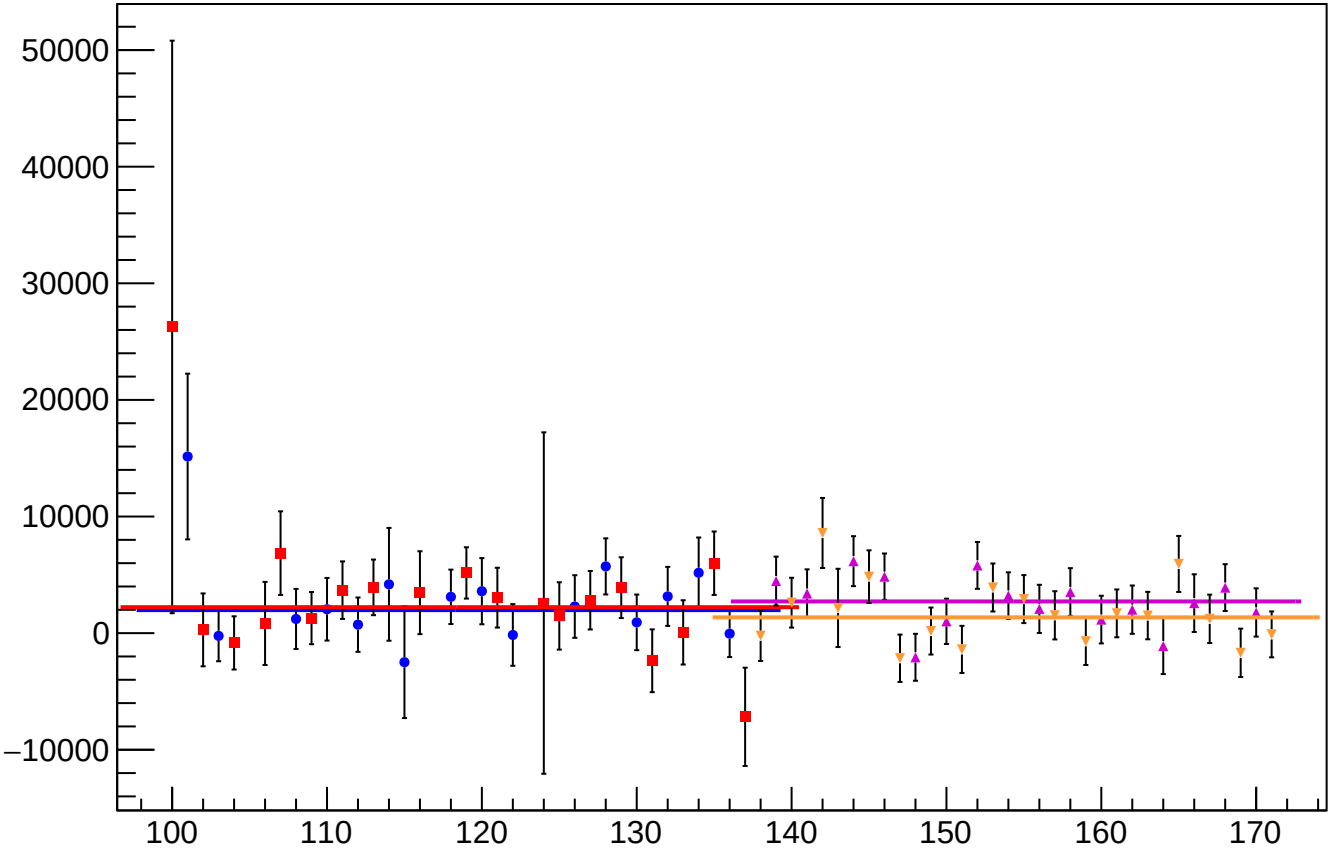
Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4454901.0/31

Out: 0.000+/-0.000 χ^2/NDF:8578199.9/36

All: 0.000+/-0.000 χ^2/NDF: 13907531.6/68

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: 2717.860+/-519.647 χ^2/NDF:17.4/15

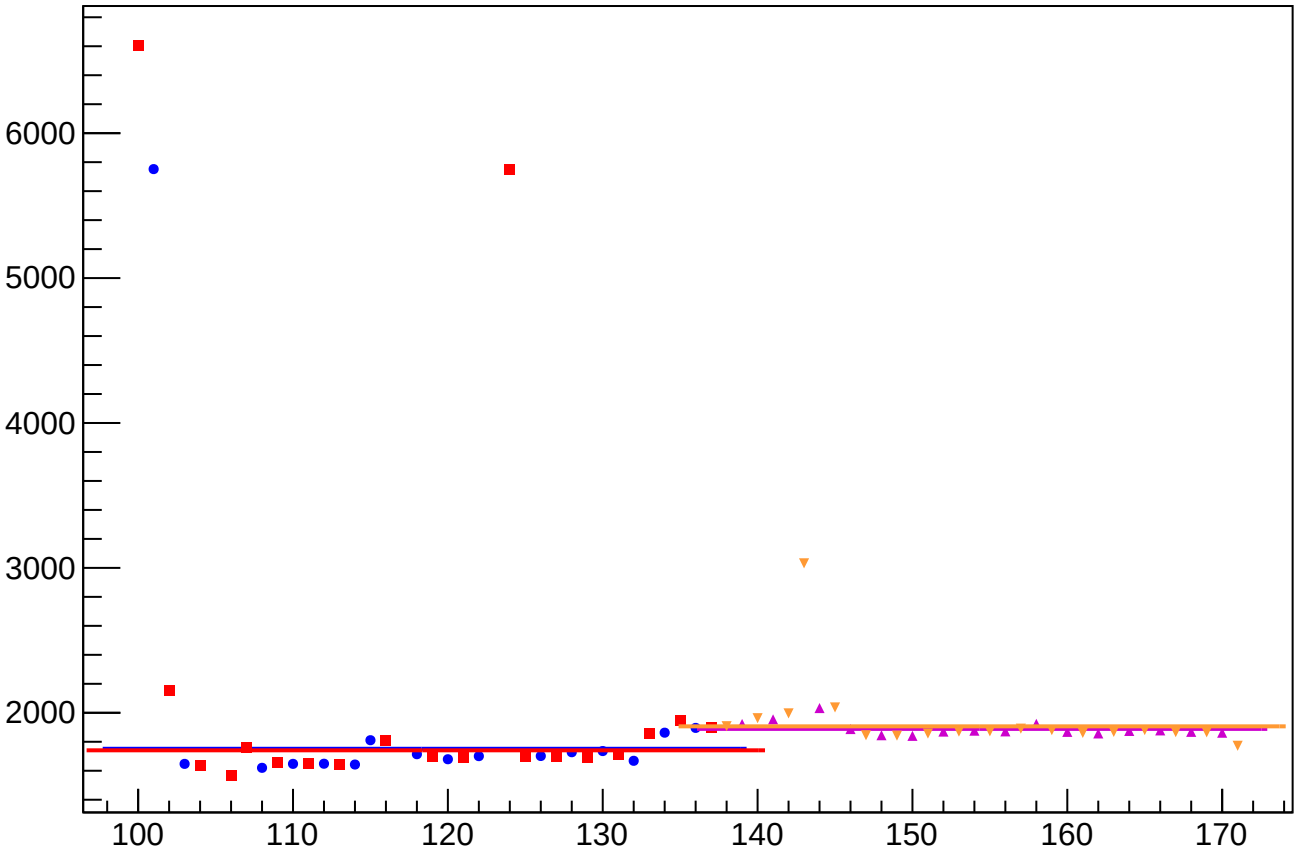
Left: 2018.335+/-362.947 χ^2/NDF: 44.8/33

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2438.136+/-410.090 χ^2/NDF:30.3/31

Out: 1678.871+/-401.295 χ^2/NDF:43.9/36

All: 2050.274+/-286.817 χ^2/NDF: 76.0/68



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: 1888.874+/-0.367 χ^2/NDF:15943.2/15

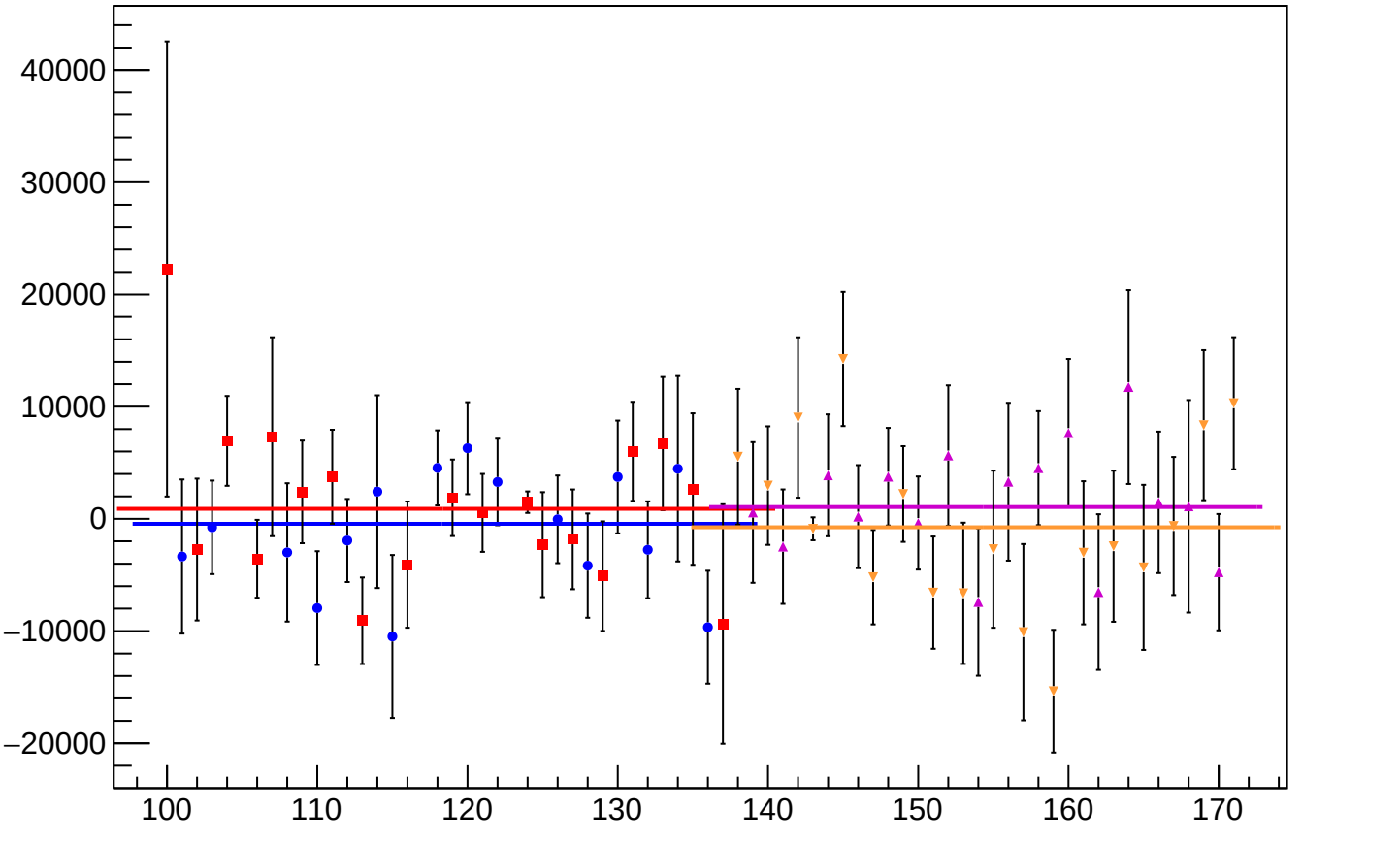
Left: 1897.884+/-0.257 χ^2/NDF: 271209.3/33

Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1837.095+/-0.290 χ^2/NDF:739236.4/31

Out: 1844.047+/-0.283 χ^2/NDF:639034.1/36

All: 1840.656+/-0.203 χ^2/NDF: 1378564.9/68



Right In: -444.273+/-1174.448 χ^2/NDF: 15.9/15

Left Out: -750.570+/-828.471 χ^2/NDF:28.0/17

Right Out: 892.237+/-725.737 χ^2/NDF: 20.1/18

Left In: 1051.658+/-1422.084 χ^2/NDF:9.0/15

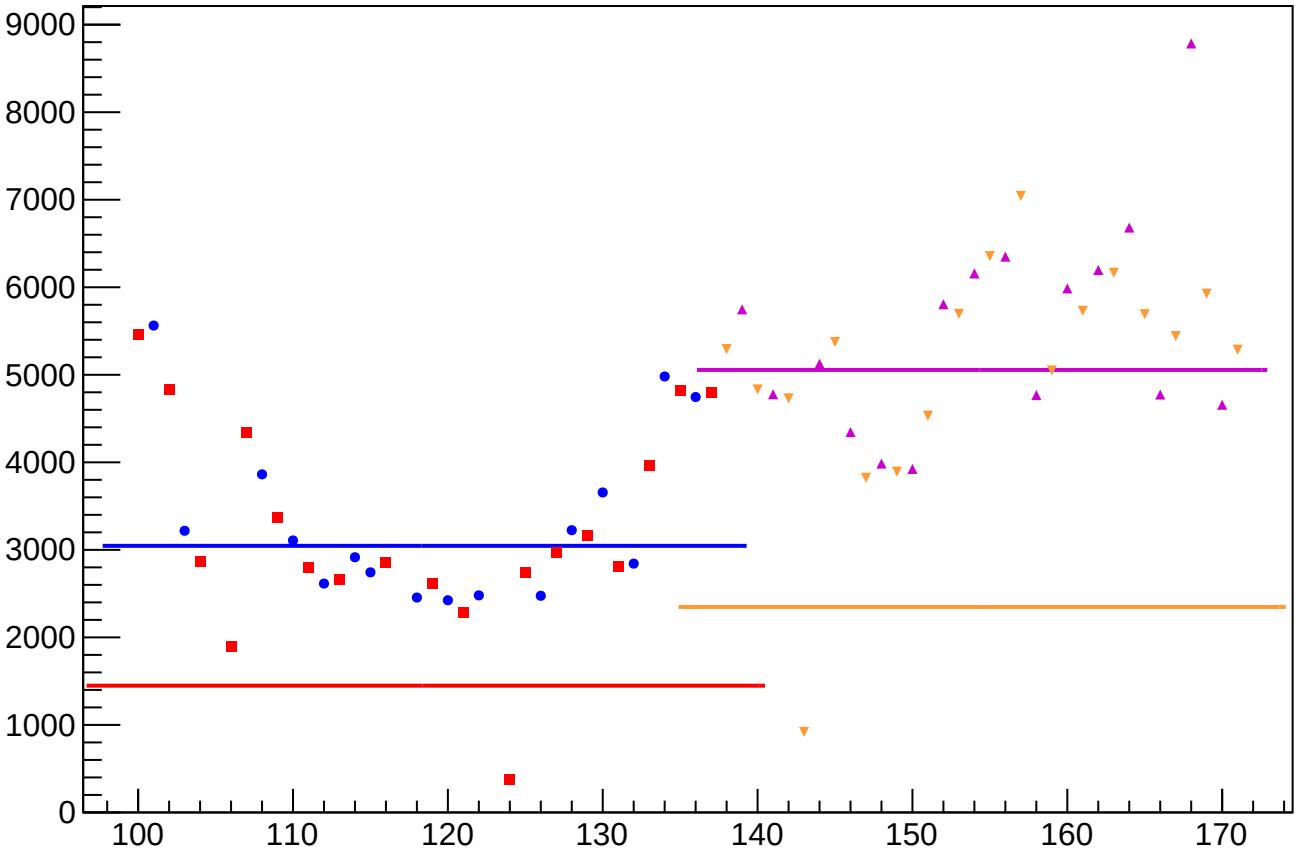
Left: -293.897+/-715.852 χ^2/NDF: 38.3/33

Right: 522.917+/-617.375 χ^2/NDF: 36.9/34

In: 162.309+/-905.554 χ^2/NDF:25.6/31

Out: 178.952+/-545.903 χ^2/NDF:50.3/36

All: 174.515+/-467.522 χ^2/NDF: 76.0/68



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: 5055.520+/-1.006 χ^2/NDF:998057.3/15

Left: 3033.808+/-0.506 χ^2/NDF: 18475812.2/33

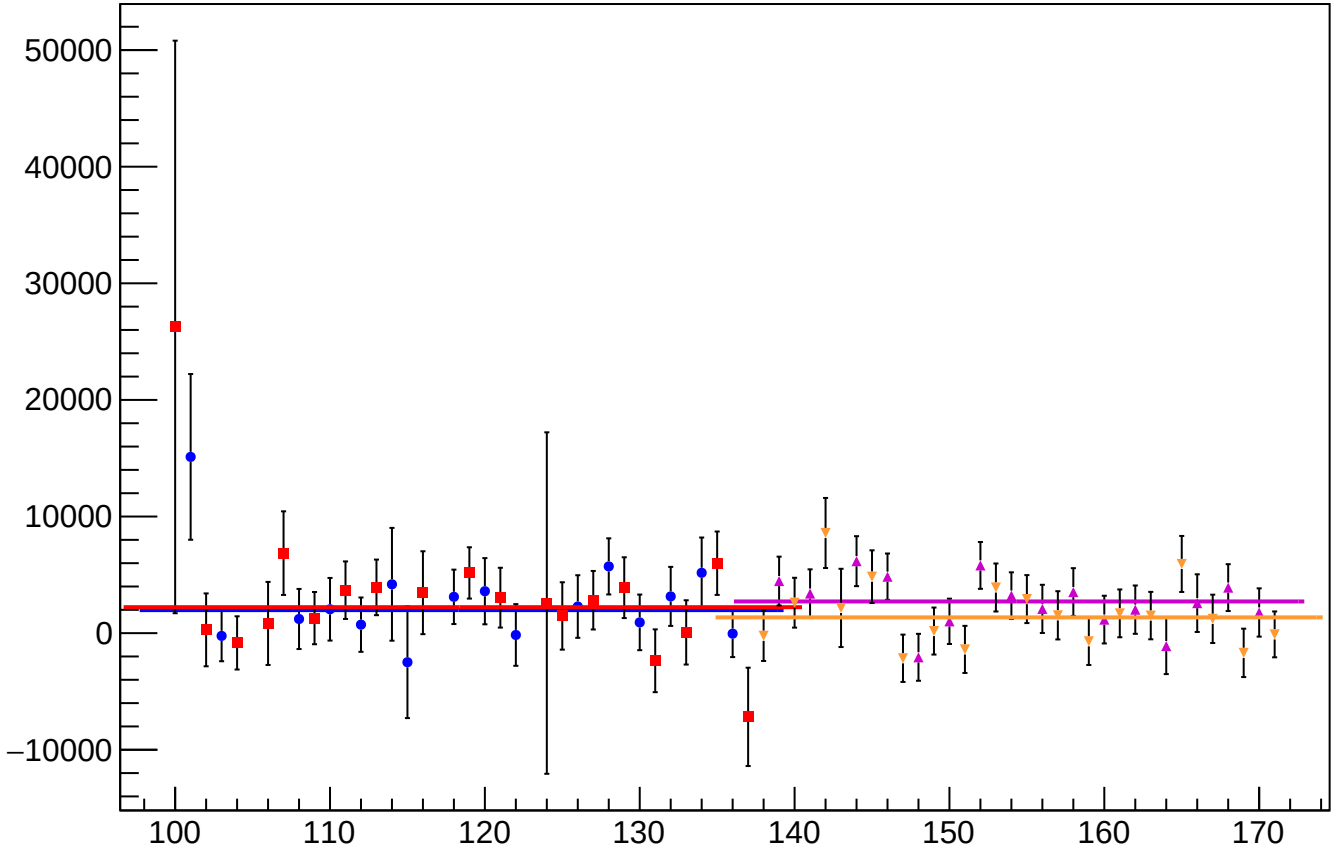
Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3860.787+/-0.640 χ^2/NDF:4279879.3/31

Out: 1838.911+/-0.386 χ^2/NDF:20183473.5/36

All: 2377.837+/-0.331 χ^2/NDF: 31776134.0/6

cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 2717.943+/-519.647 χ^2/NDF:17.4/15

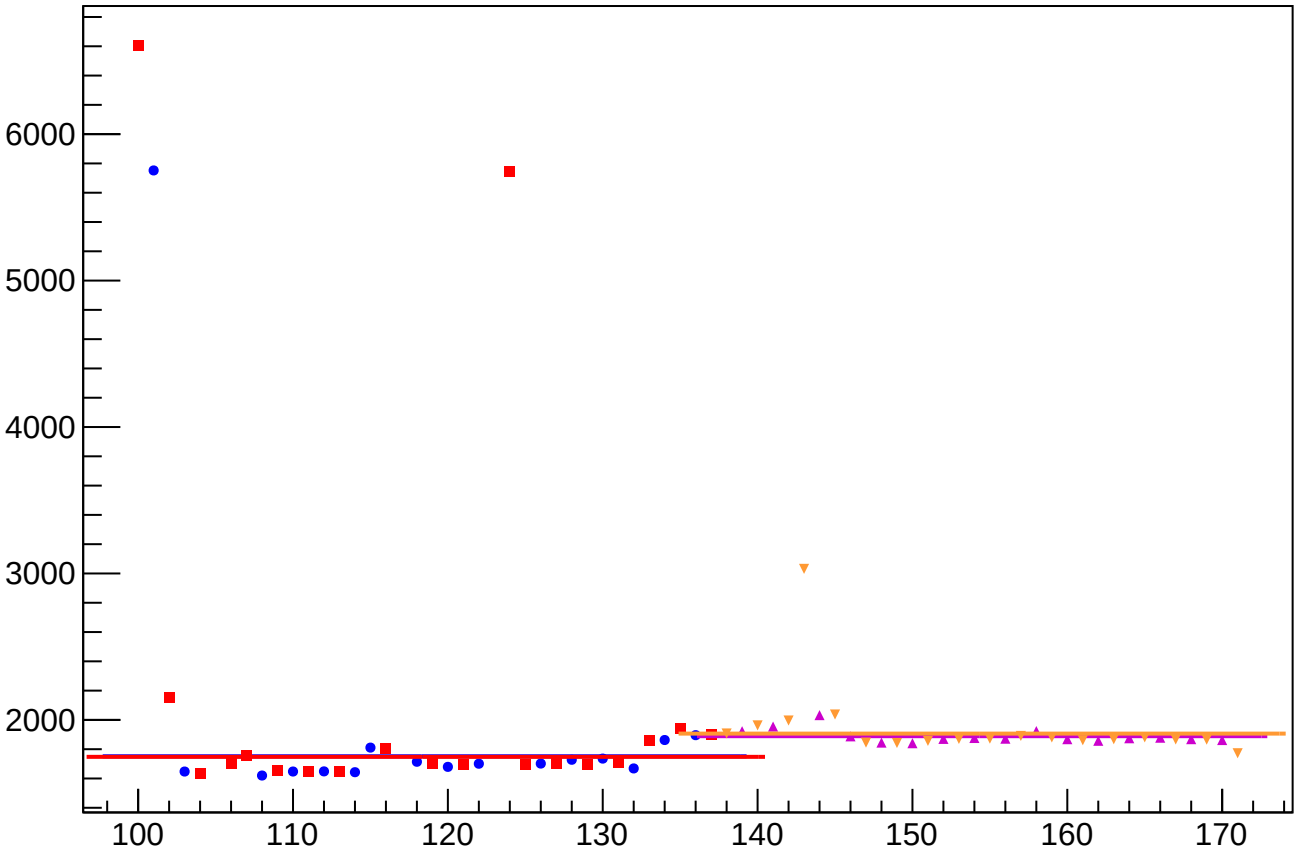
Left: 2018.370+/-362.947 χ^2/NDF: 44.8/33

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2438.054+/-410.090 χ^2/NDF:30.3/31

Out: 1678.900+/-401.295 χ^2/NDF:43.9/36

All: 2050.250+/-286.817 χ^2/NDF: 76.0/68



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: 1888.874+/-0.367 χ^2/NDF:15943.2/15

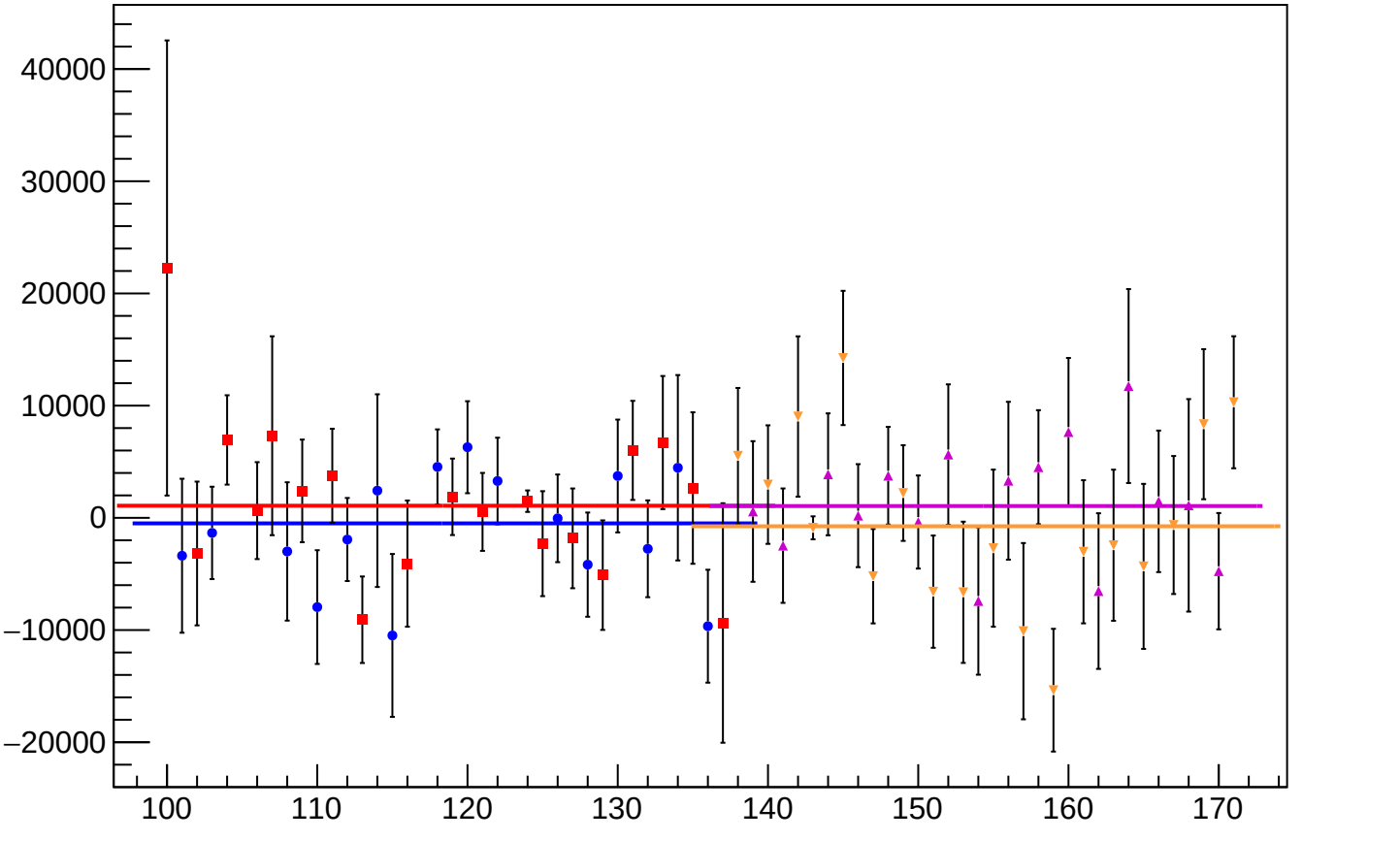
Left: 1897.884+/-0.257 χ^2/NDF: 271209.3/33

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1837.095+/-0.290 χ^2/NDF:739236.9/31

Out: 1846.859+/-0.283 χ^2/NDF:625559.0/36

All: 1842.090+/-0.203 χ^2/NDF: 1365375.8/68



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: 1051.721+/-1422.083 χ^2/NDF:9.0/15

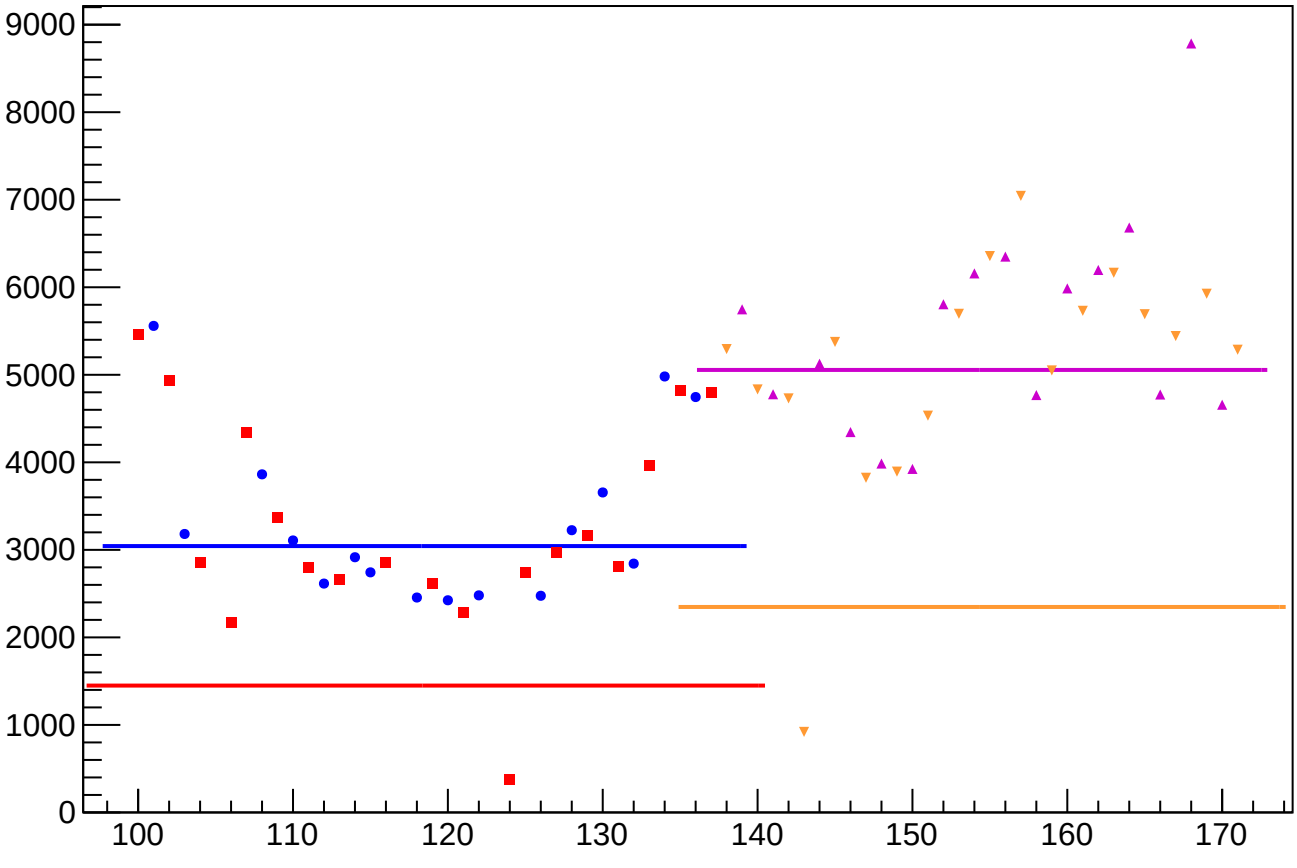
Left: -293.783+/-715.837 χ^2/NDF: 38.3/33

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 132.649+/-904.999 χ^2/NDF:25.7/31

Out: 278.684+/-548.319 χ^2/NDF:49.2/36

All: 239.471+/-468.959 χ^2/NDF: 75.0/68



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: 5055.516+/-1.006 χ^2/NDF:998058.7/15

Left: 3033.704+/-0.506 χ^2/NDF: 18476807.5/33

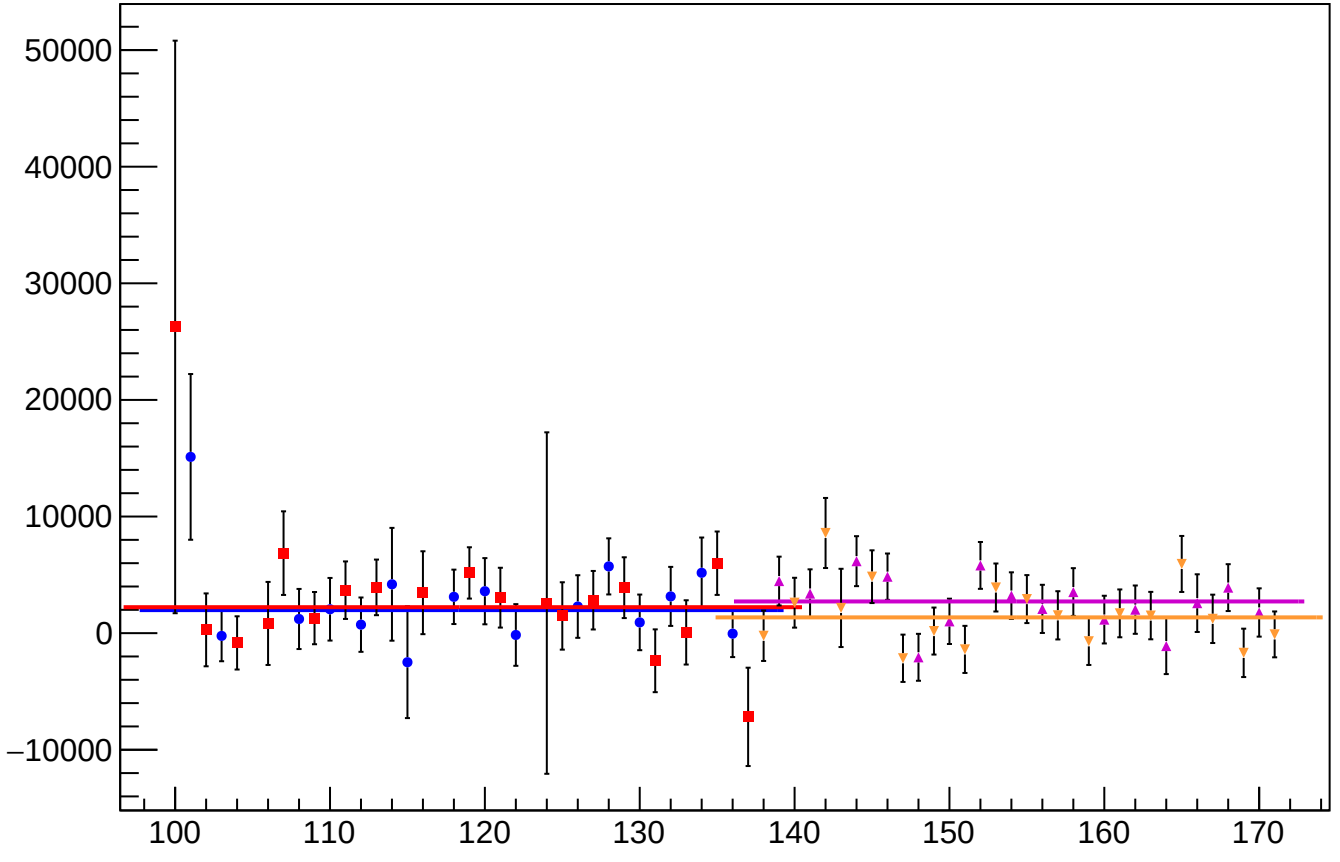
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3858.213+/-0.640 χ^2/NDF:4286396.5/31

Out: 1842.911+/-0.388 χ^2/NDF:20210496.7/36

All: 2384.057+/-0.332 χ^2/NDF: 31751564.8/6

eigen_cor_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 2717.943+/-519.647 χ^2/NDF:17.4/15

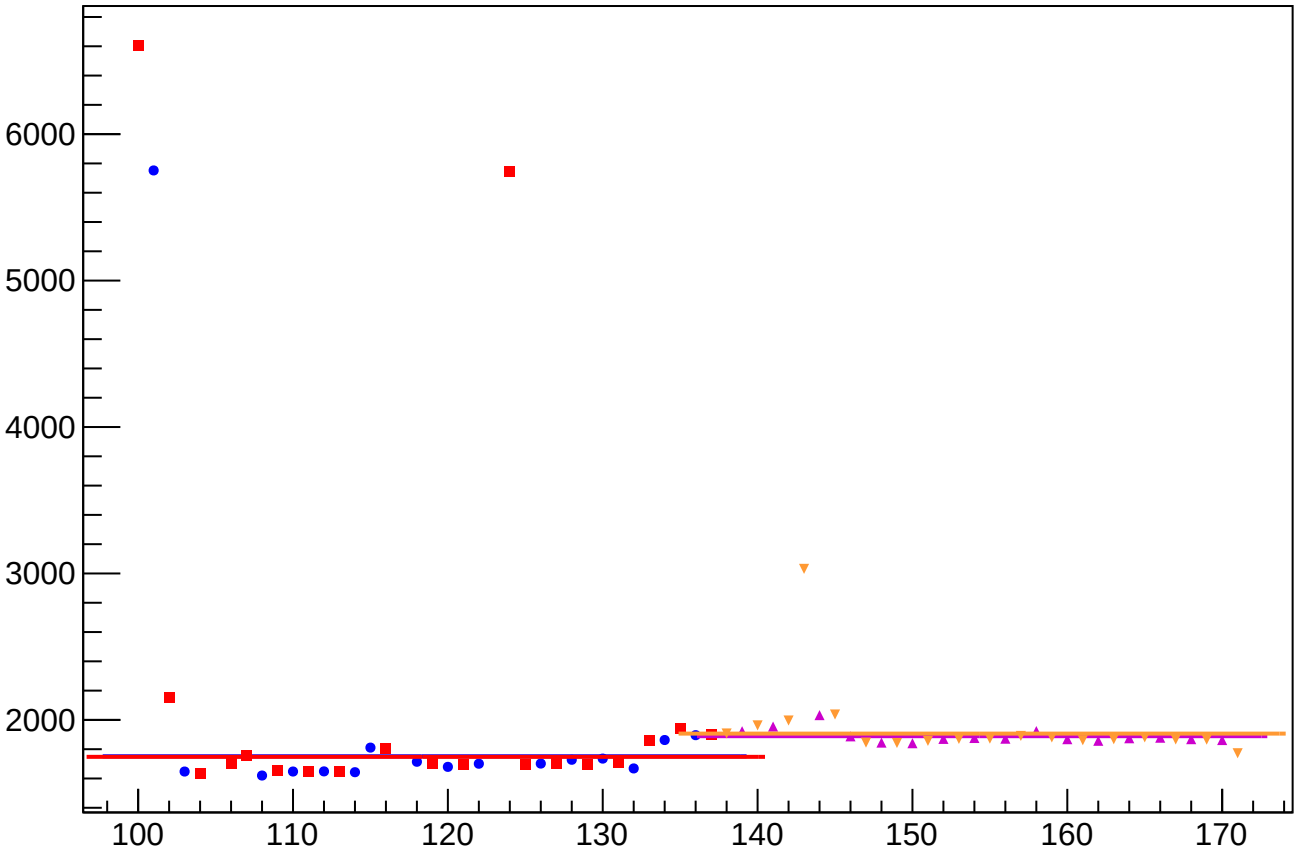
Left: 2018.370+/-362.947 χ^2/NDF: 44.8/33

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2438.054+/-410.090 χ^2/NDF:30.3/31

Out: 1678.900+/-401.295 χ^2/NDF:43.9/36

All: 2050.250+/-286.817 χ^2/NDF: 76.0/68



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: 1888.874+/-0.367 χ^2/NDF:15943.2/15

Left: 1897.884+/-0.257 χ^2/NDF: 271209.3/33

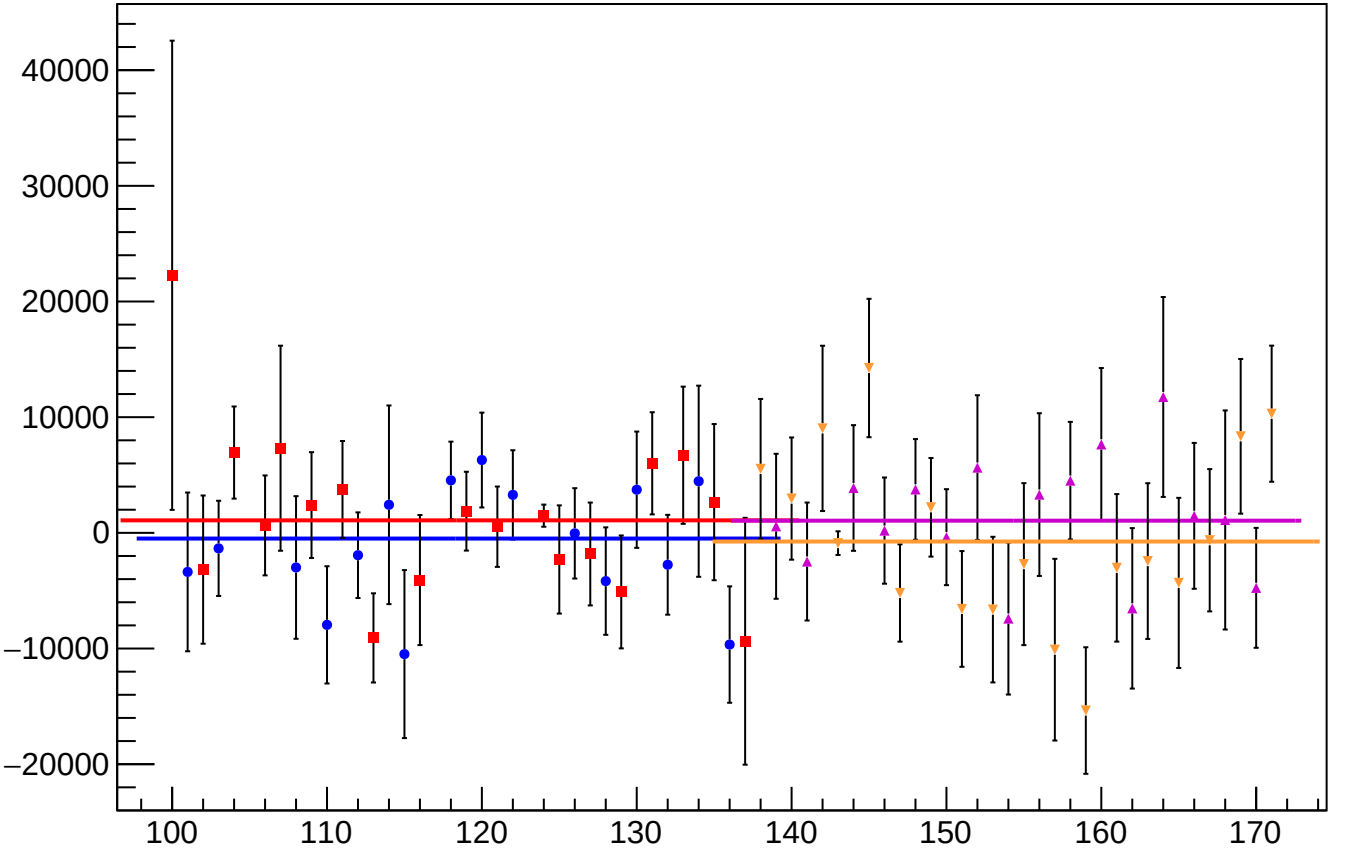
Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1837.095+/-0.290 χ^2/NDF:739236.9/31

Out: 1846.859+/-0.283 χ^2/NDF:625559.0/36

All: 1842.090+/-0.203 χ^2/NDF: 1365375.8/68

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -750.414+/-828.449 χ^2/NDF:28.0/17

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 1051.721+/-1422.083 χ^2/NDF:9.0/15

Left: -293.783+/-715.837 χ^2/NDF: 38.3/33

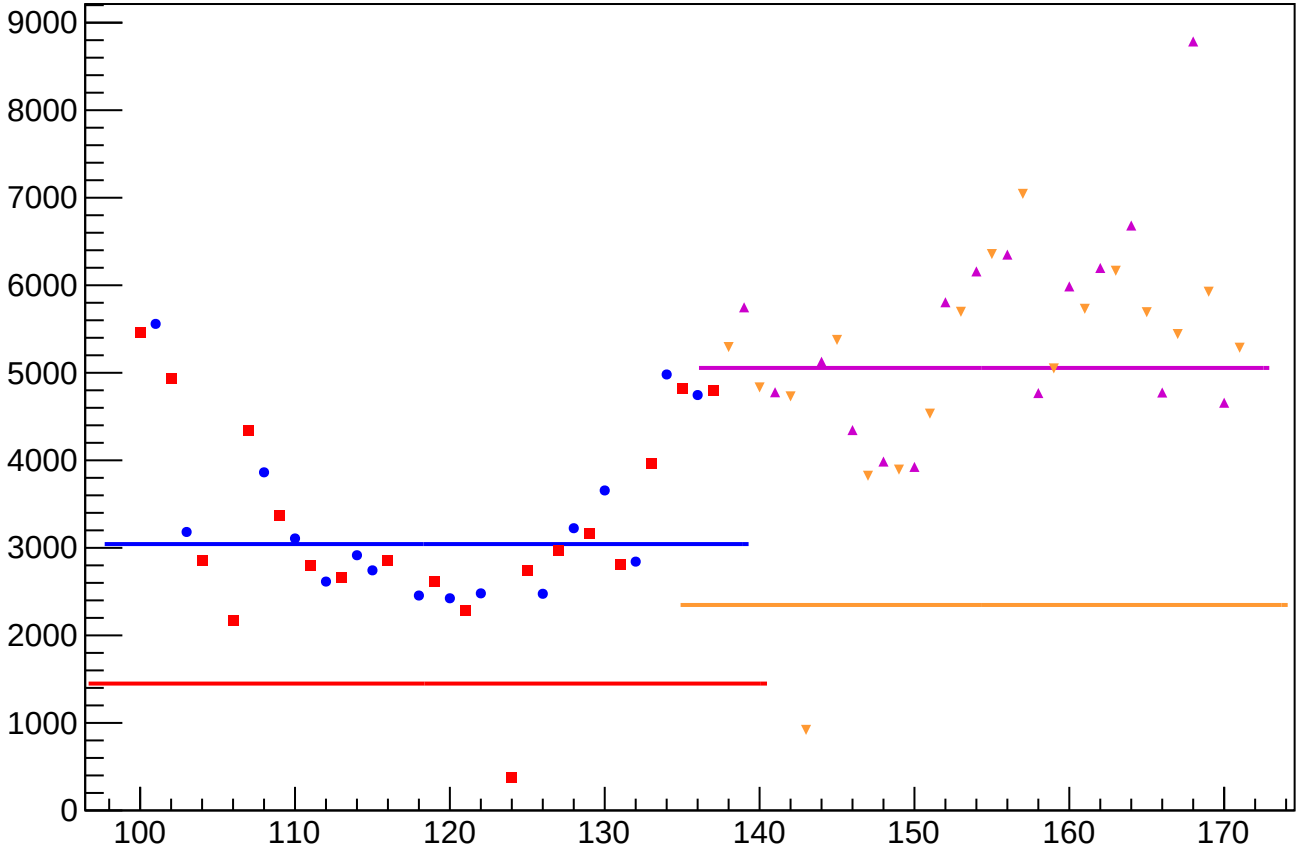
Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: 132.649+/-904.999 χ^2/NDF:25.7/31

Out: 278.684+/-548.319 χ^2/NDF:49.2/36

All: 239.471+/-468.959 χ^2/NDF: 75.0/68

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: 5055.516+/-1.006 χ^2/NDF:998058.7/15

Left: 3033.704+/-0.506 χ^2/NDF: 18476807.5/33

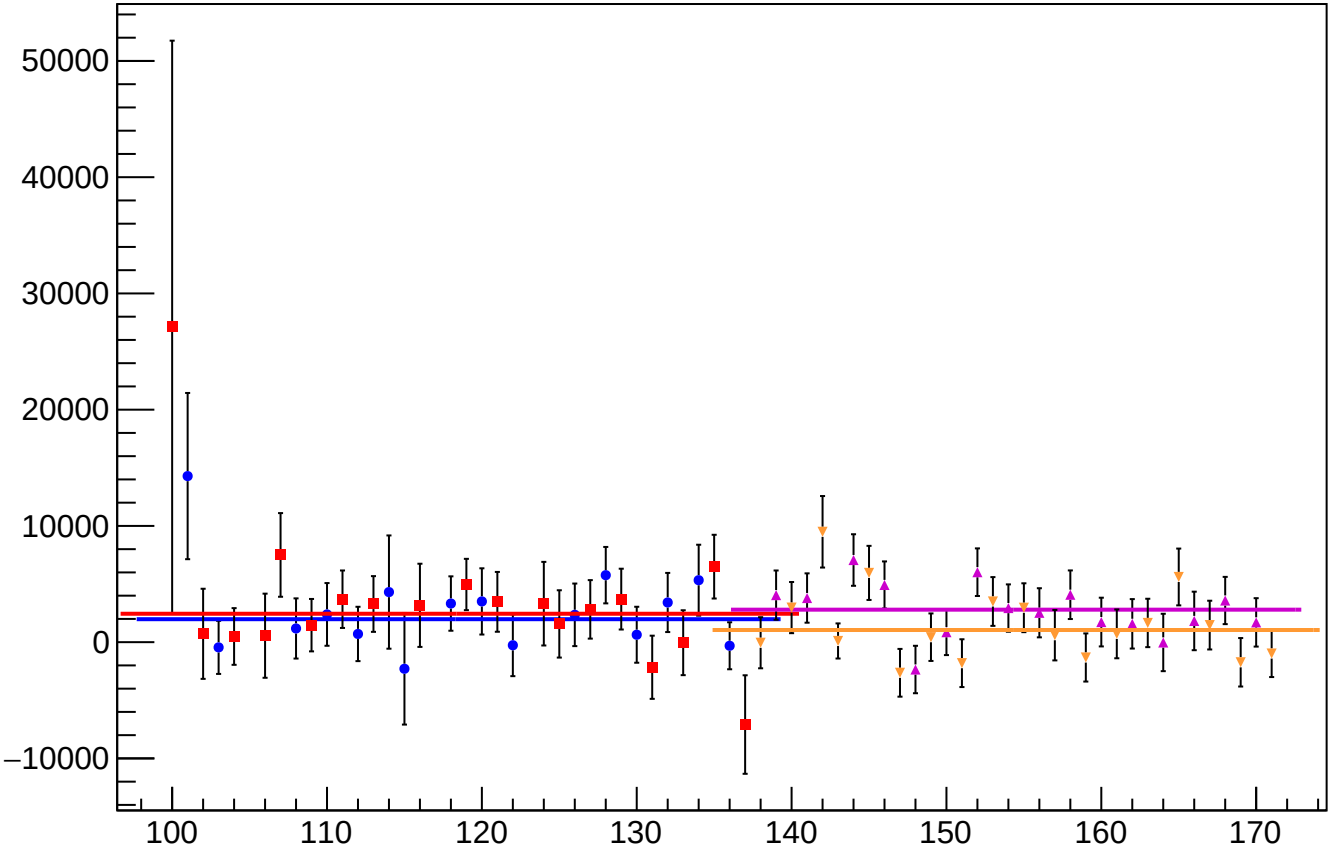
Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3858.213+/-0.640 χ^2/NDF:4286396.5/31

Out: 1842.911+/-0.388 χ^2/NDF:20210496.7/36

All: 2384.057+/-0.332 χ^2/NDF: 31751564.8/6

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: 2795.124+/-529.595 χ^2/NDF:18.1/15

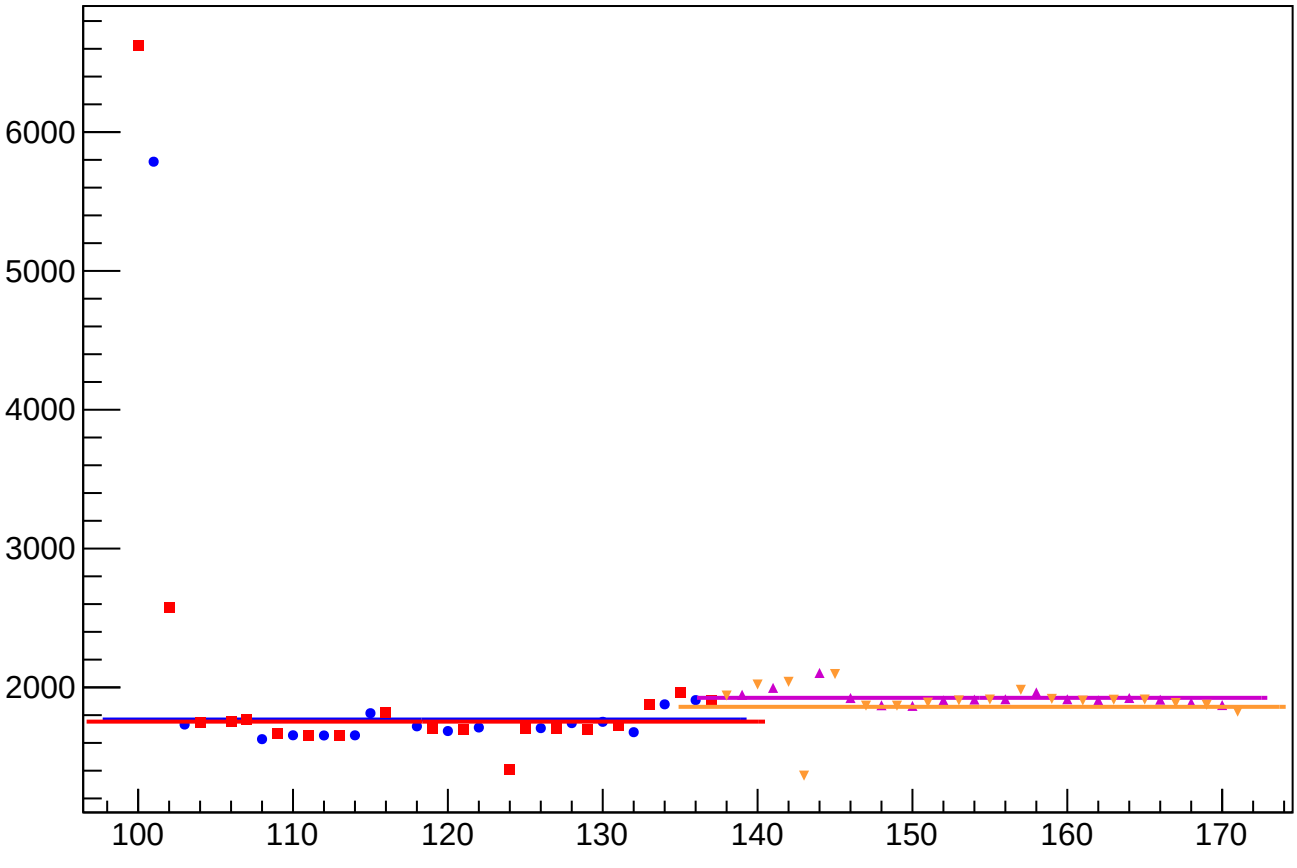
Left: 1861.634+/-361.619 χ^2/NDF: 52.5/33

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2482.419+/-416.444 χ^2/NDF:31.4/31

Out: 1551.718+/-395.483 χ^2/NDF:49.0/36

All: 1993.058+/-286.773 χ^2/NDF: 83.0/68



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: 1924.755+/-0.374 χ^2/NDF:21692.3/15

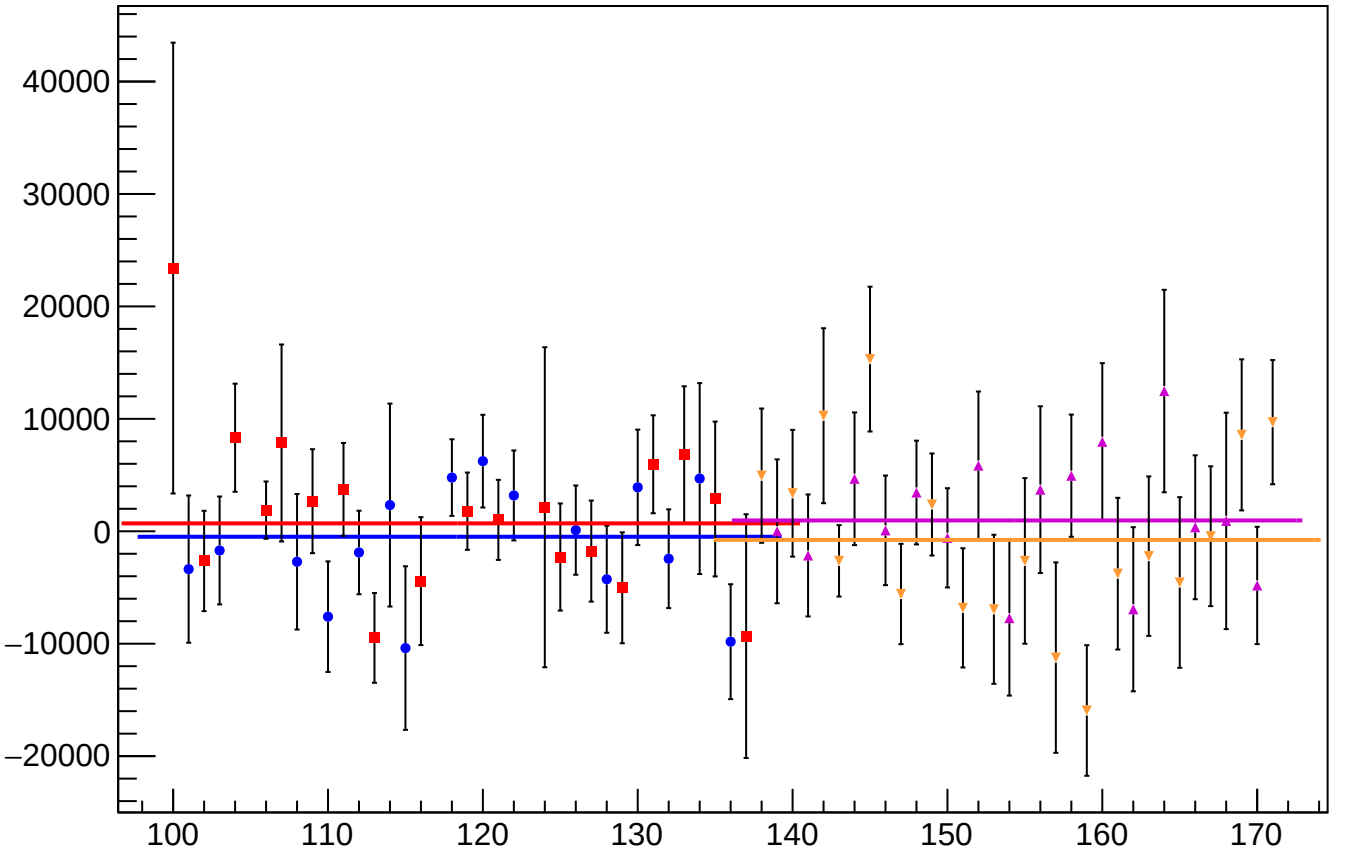
Left: 1890.158+/-0.256 χ^2/NDF: 308768.3/33

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1865.110+/-0.294 χ^2/NDF:755525.8/31

Out: 1821.276+/-0.279 χ^2/NDF:523578.0/36

All: 1842.041+/-0.203 χ^2/NDF: 1290765.2/68



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: 963.062+/-1495.601 χ^2/NDF:9.0/15

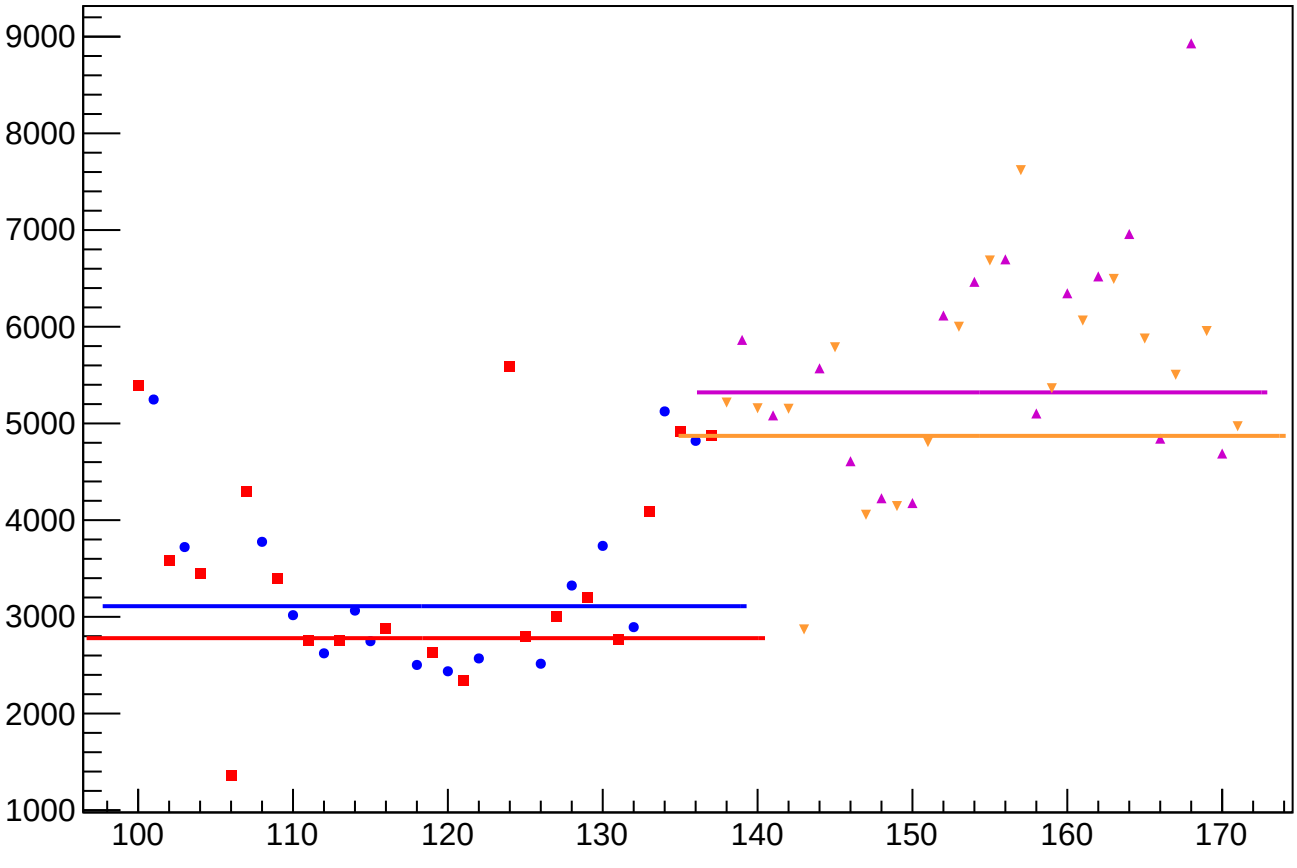
Left: 2.154+/-997.272 χ^2/NDF: 38.1/33

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: 79.372+/-935.258 χ^2/NDF:25.4/31

Out: 130.199+/-835.446 χ^2/NDF:47.9/36

All: 107.641+/-623.060 χ^2/NDF: 73.2/68



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: 5321.184+/-1.058 χ^2/NDF:952490.2/15

Left: 5071.454+/-0.705 χ^2/NDF: 2700400.2/33

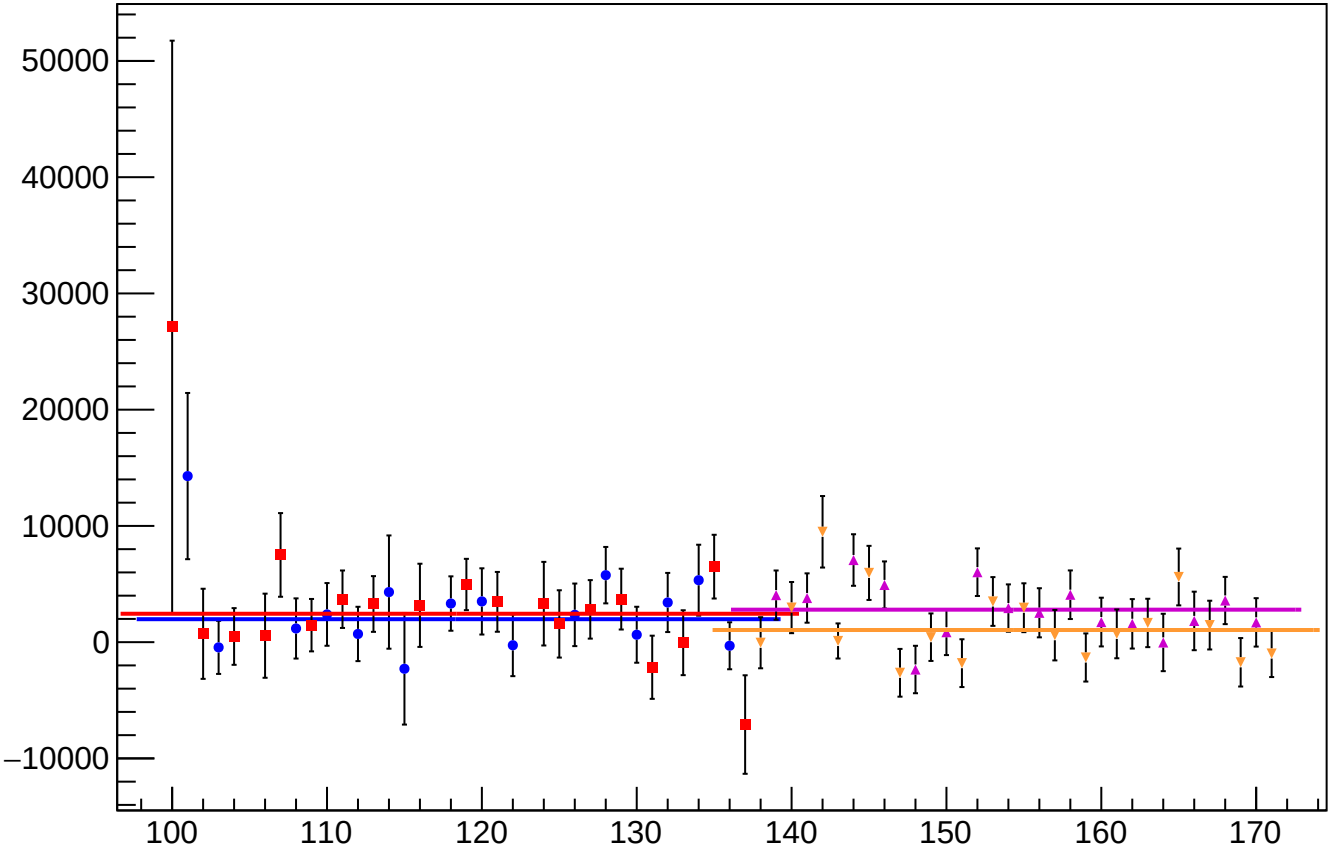
Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3974.762+/-0.661 χ^2/NDF:4497571.6/31

Out: 3594.962+/-0.591 χ^2/NDF:5978067.0/36

All: 3763.521+/-0.441 χ^2/NDF: 10659081.1/6

eigen_dit_asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 2795.124+/-529.596 χ^2/NDF:18.1/15

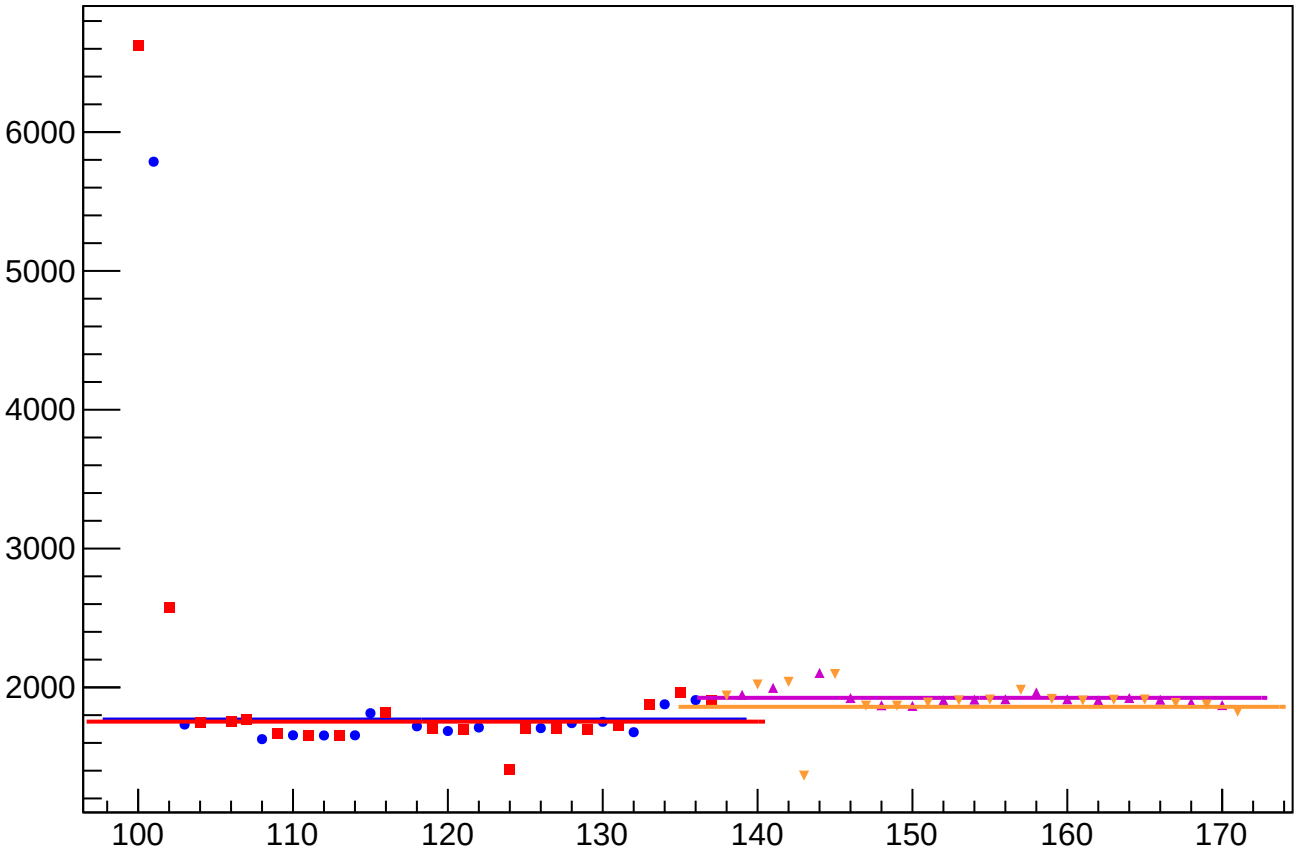
Left: 1861.632+/-361.619 χ^2/NDF: 52.5/33

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2482.419+/-416.444 χ^2/NDF:31.4/31

Out: 1551.717+/-395.483 χ^2/NDF:49.0/36

All: 1993.057+/-286.773 χ^2/NDF: 83.0/68



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: 1924.756+/-0.374 χ^2/NDF:21692.6/15

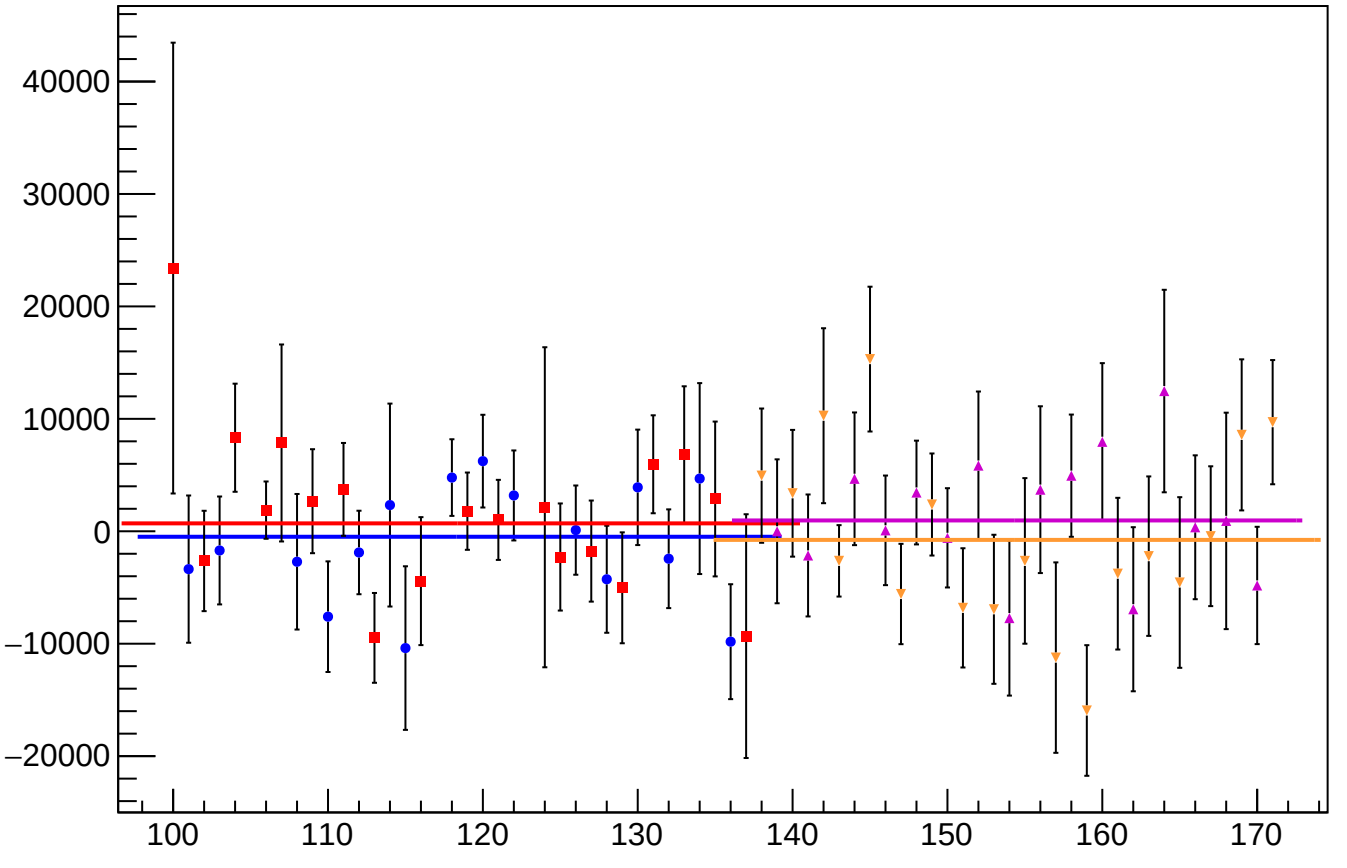
Left: 1890.159+/-0.256 χ^2/NDF: 308770.4/33

Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1865.111+/-0.294 χ^2/NDF:755527.0/31

Out: 1821.277+/-0.279 χ^2/NDF:523580.0/36

All: 1842.042+/-0.203 χ^2/NDF: 1290768.5/68



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: 963.061+/-1495.603 χ^2/NDF:9.0/15

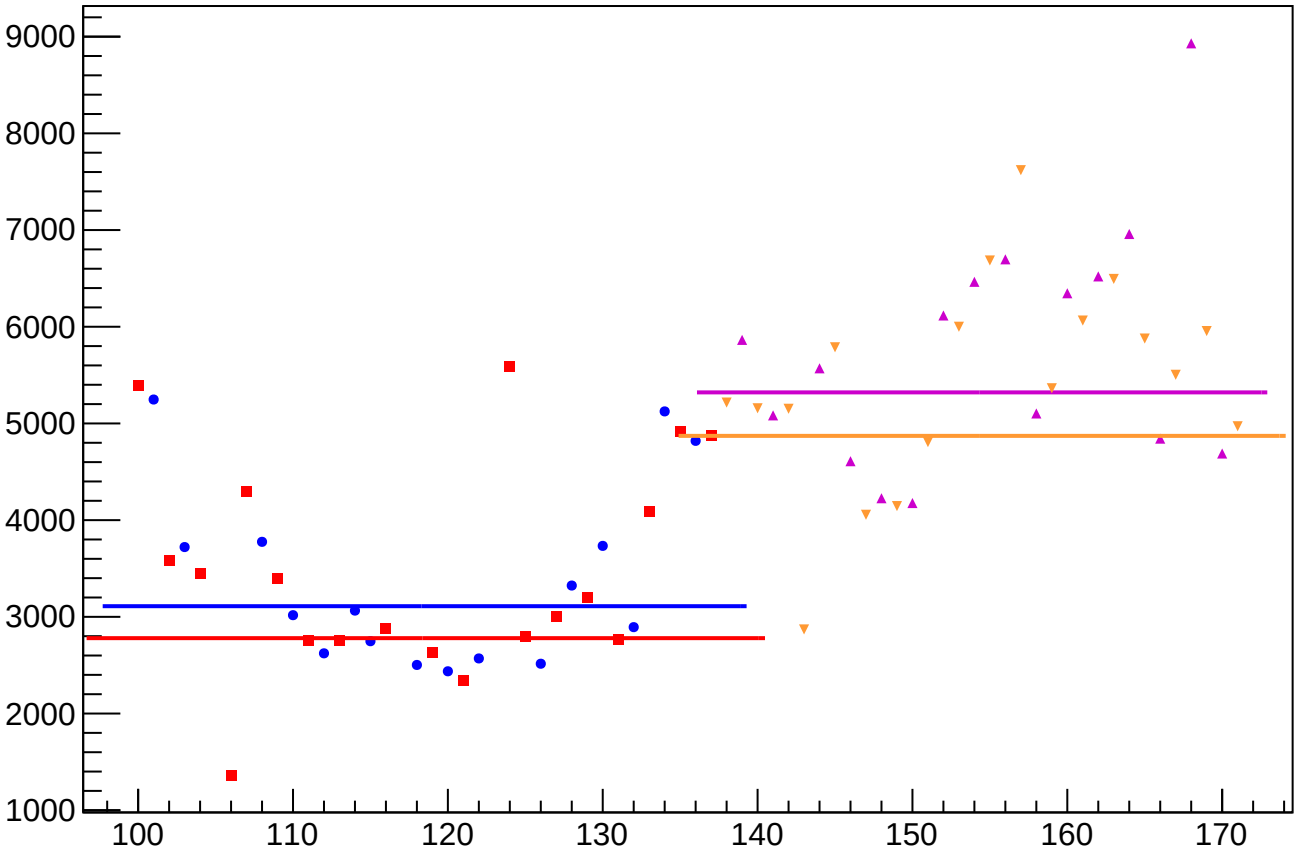
Left: 2.150+/-997.273 χ^2/NDF: 38.1/33

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: 79.373+/-935.256 χ^2/NDF:25.4/31

Out: 130.201+/-835.445 χ^2/NDF:47.9/36

All: 107.643+/-623.059 χ^2/NDF: 73.2/68



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: 5321.189+/-1.058 χ^2/NDF:952494.2/15

Left: 5071.459+/-0.705 χ^2/NDF: 2700412.2/33

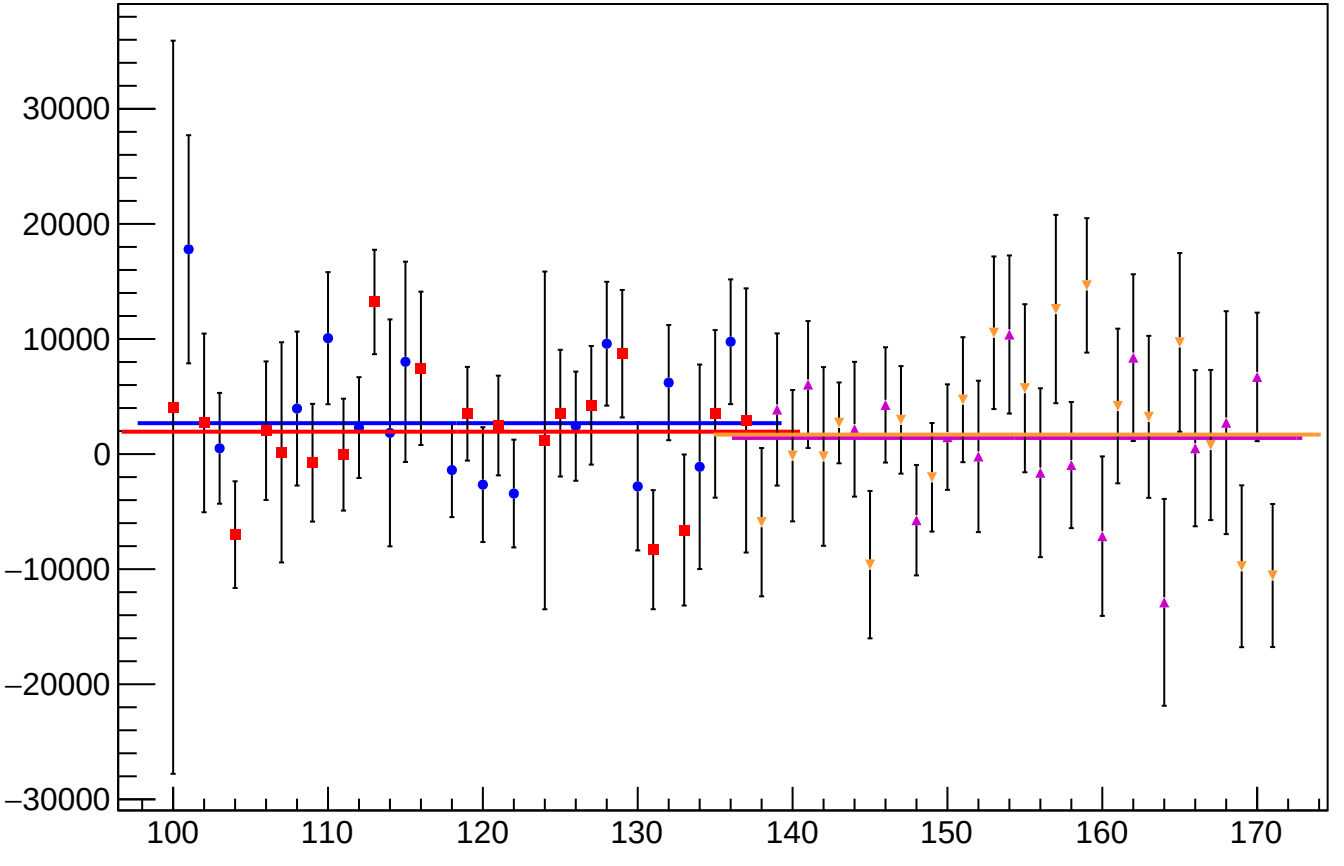
Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3974.752+/-0.661 χ^2/NDF:4497629.2/31

Out: 3594.951+/-0.591 χ^2/NDF:5978149.7/36

All: 3763.511+/-0.441 χ^2/NDF: 10659223.7/6

asym_atr1l2_avg_mean vs Slug, Sign Corrected



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: 1403.932+/-1527.405 χ^2/NDF:11.4/15

Left: 1561.915+/-1029.077 χ^2/NDF: 33.8/33

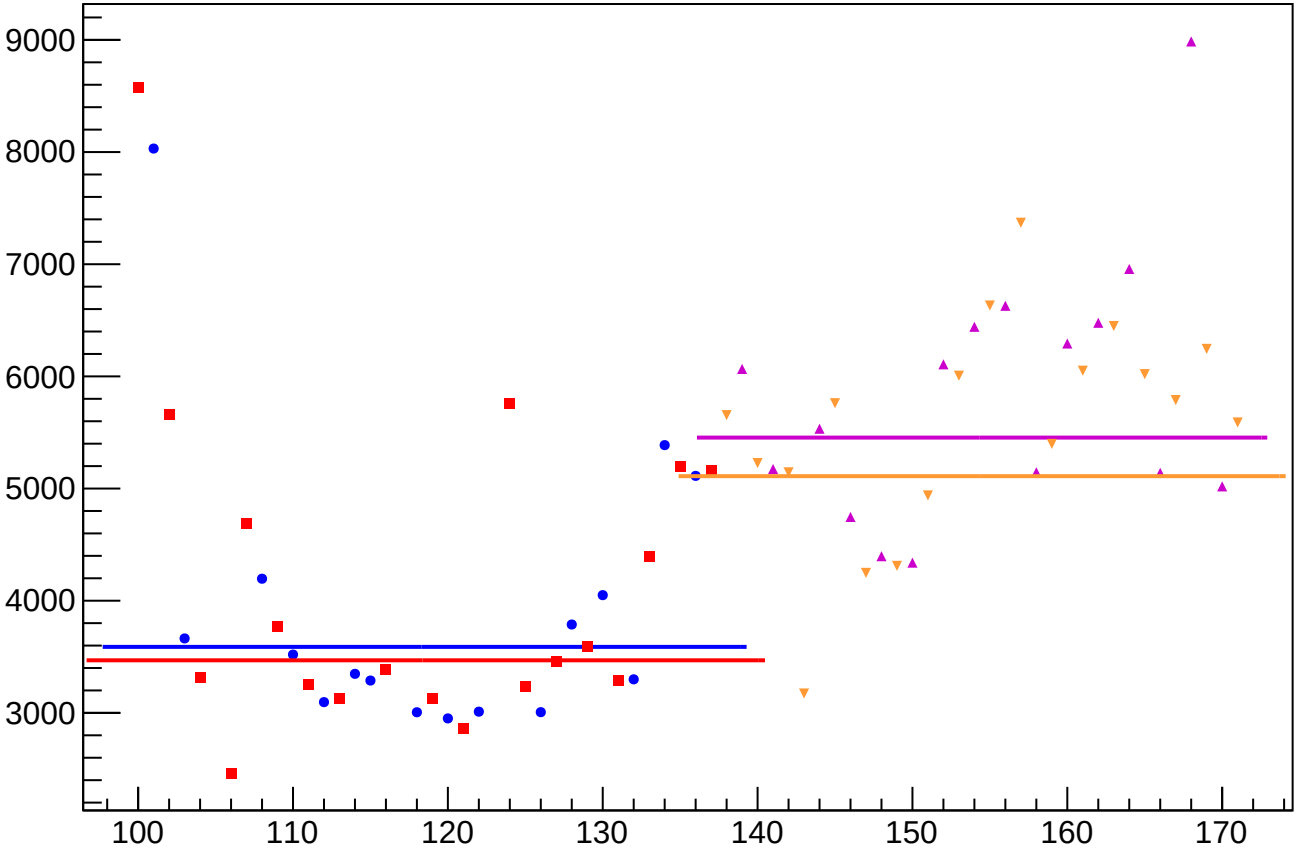
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2109.520+/-1023.927 χ^2/NDF:25.3/31

Out: 1824.981+/-962.945 χ^2/NDF:41.1/36

All: 1958.526+/-701.473 χ^2/NDF: 66.4/68

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: 5454.308+/-1.080 χ^2/NDF:804319.5/15

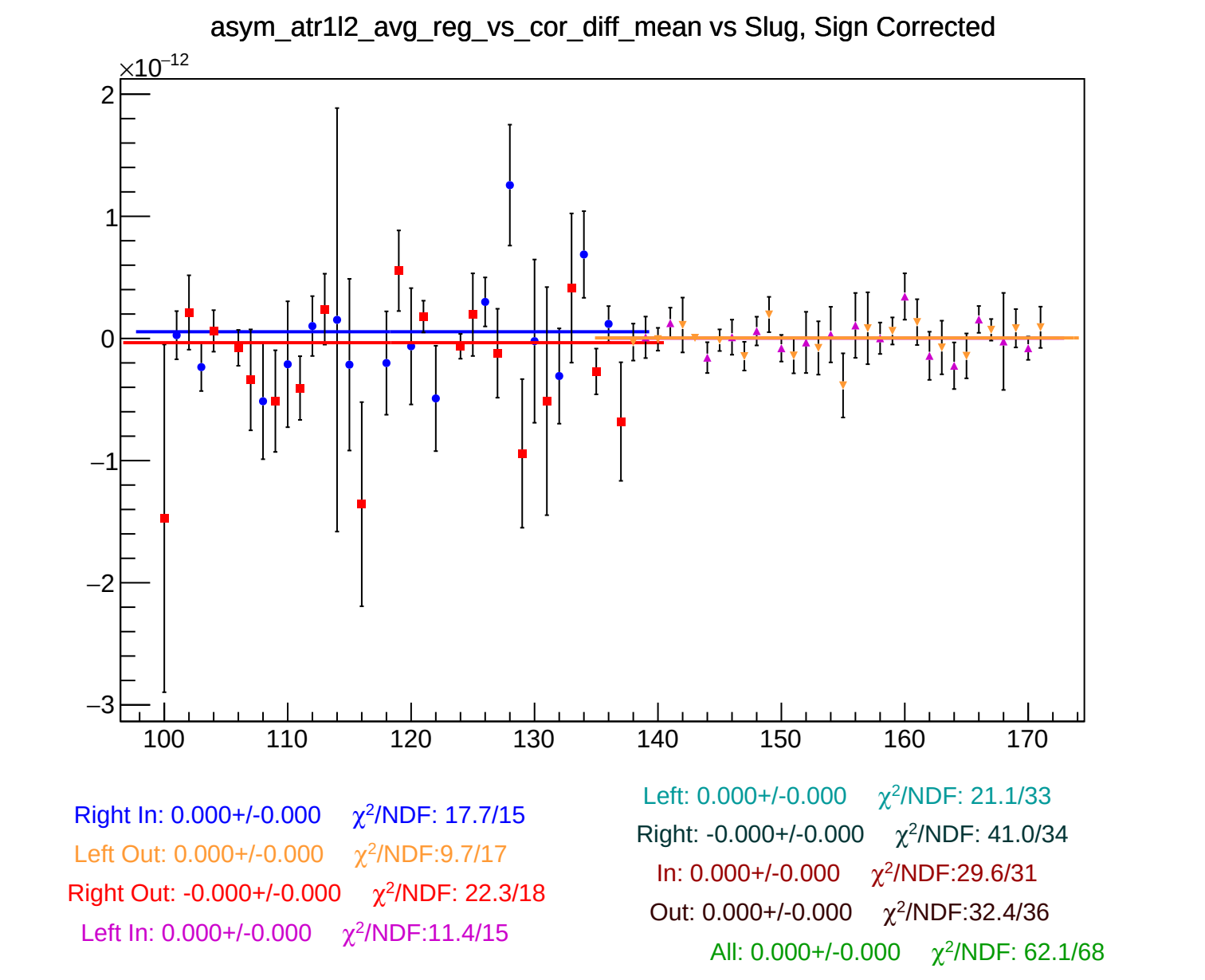
Left: 5266.511+/-0.728 χ^2/NDF: 2136979.2/33

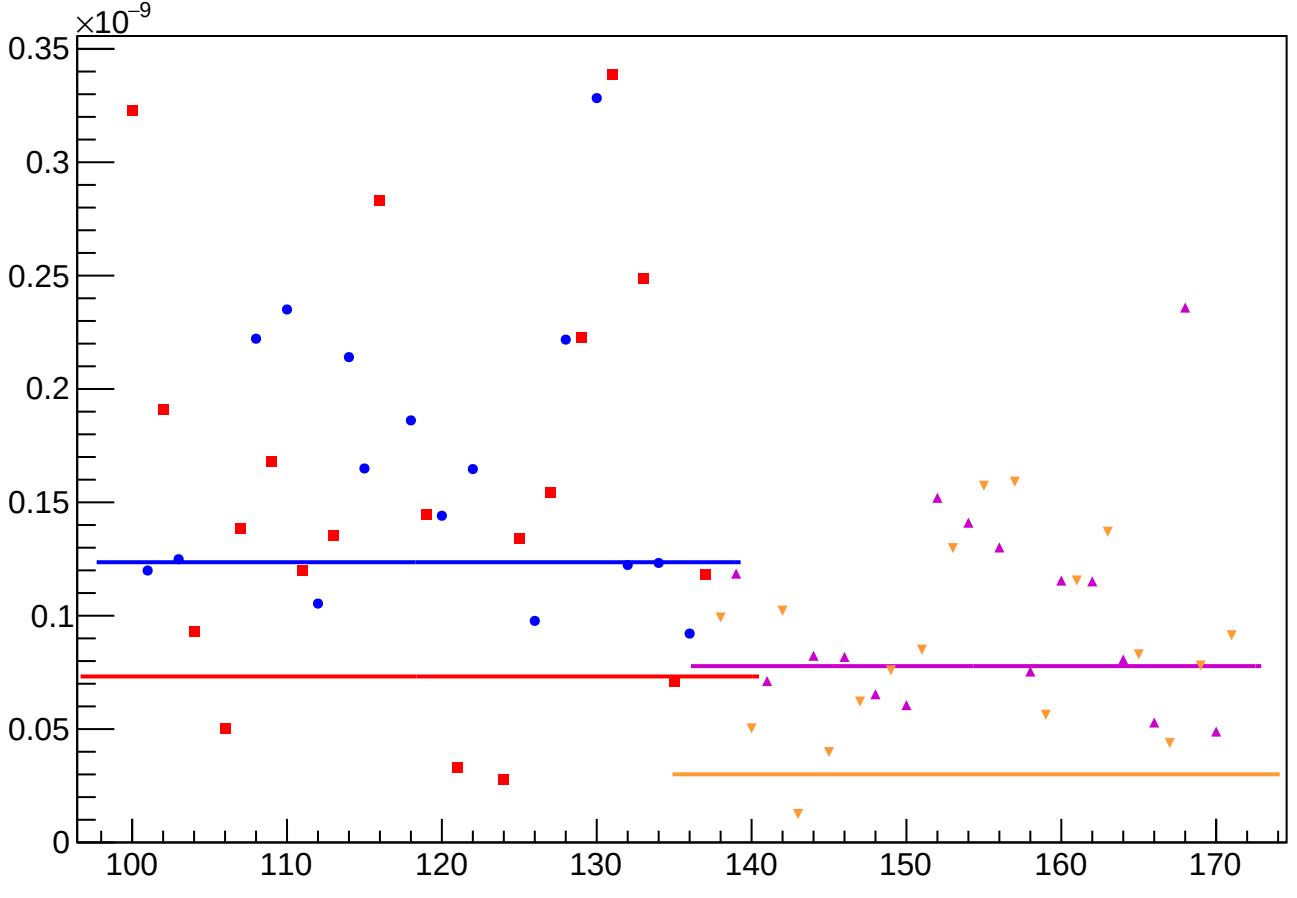
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4426.948+/-0.724 χ^2/NDF:3292879.0/31

Out: 4241.099+/-0.675 χ^2/NDF:3415704.4/36

All: 4327.581+/-0.494 χ^2/NDF: 6743812.2/68


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:11.4/15
Left: 0.000+/-0.000 χ²/NDF: 21.1/33
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:29.6/31
Out: 0.000+/-0.000 χ²/NDF:32.4/36
All: 0.000+/-0.000 χ²/NDF: 62.1/68



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:1360046.3/15

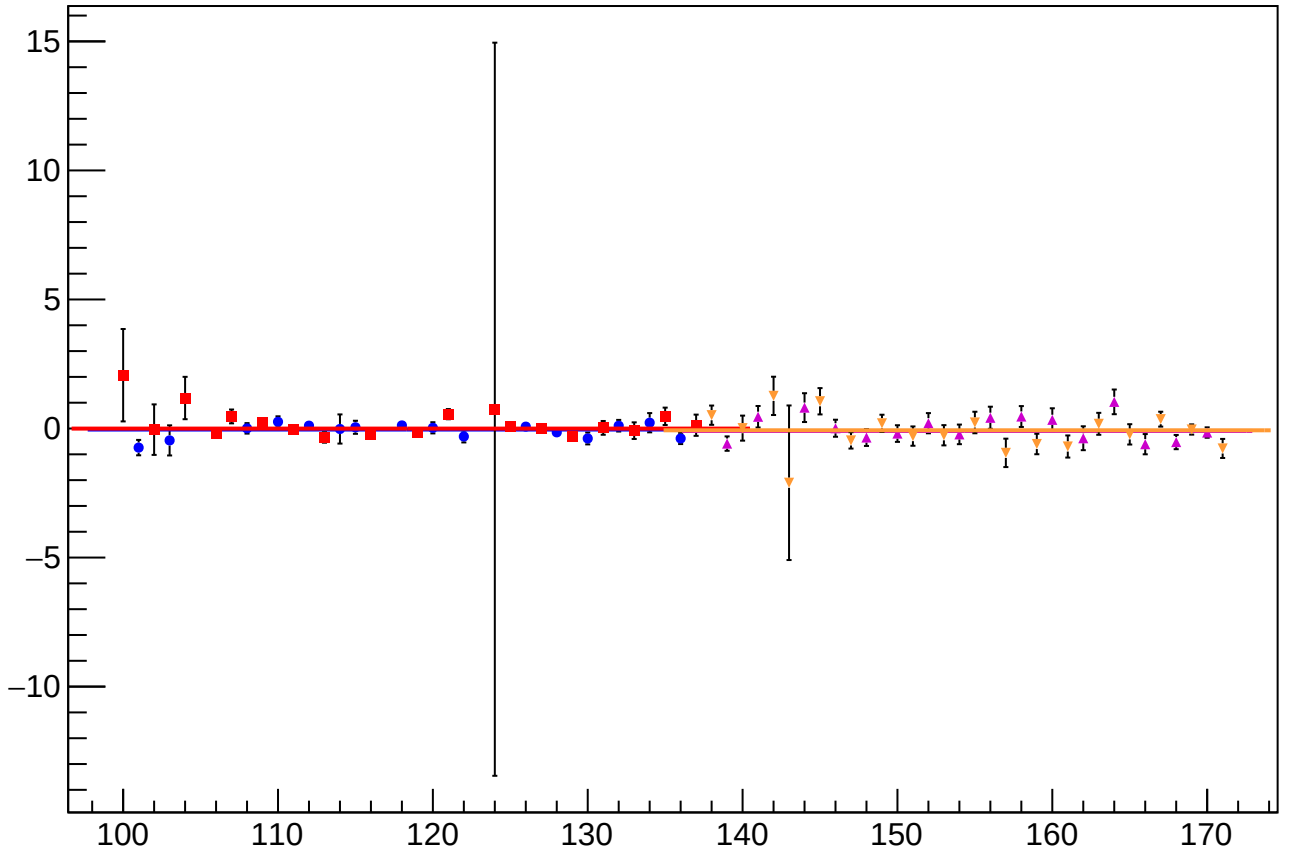
Left: 0.000+/-0.000 χ^2/NDF: 9621497.7/33

Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2651127.2/31

Out: 0.000+/-0.000 χ^2/NDF:8896618.2/36

All: 0.000+/-0.000 χ^2/NDF: 15503751.4/68



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+/-0.087 χ^2/NDF:23.4/15

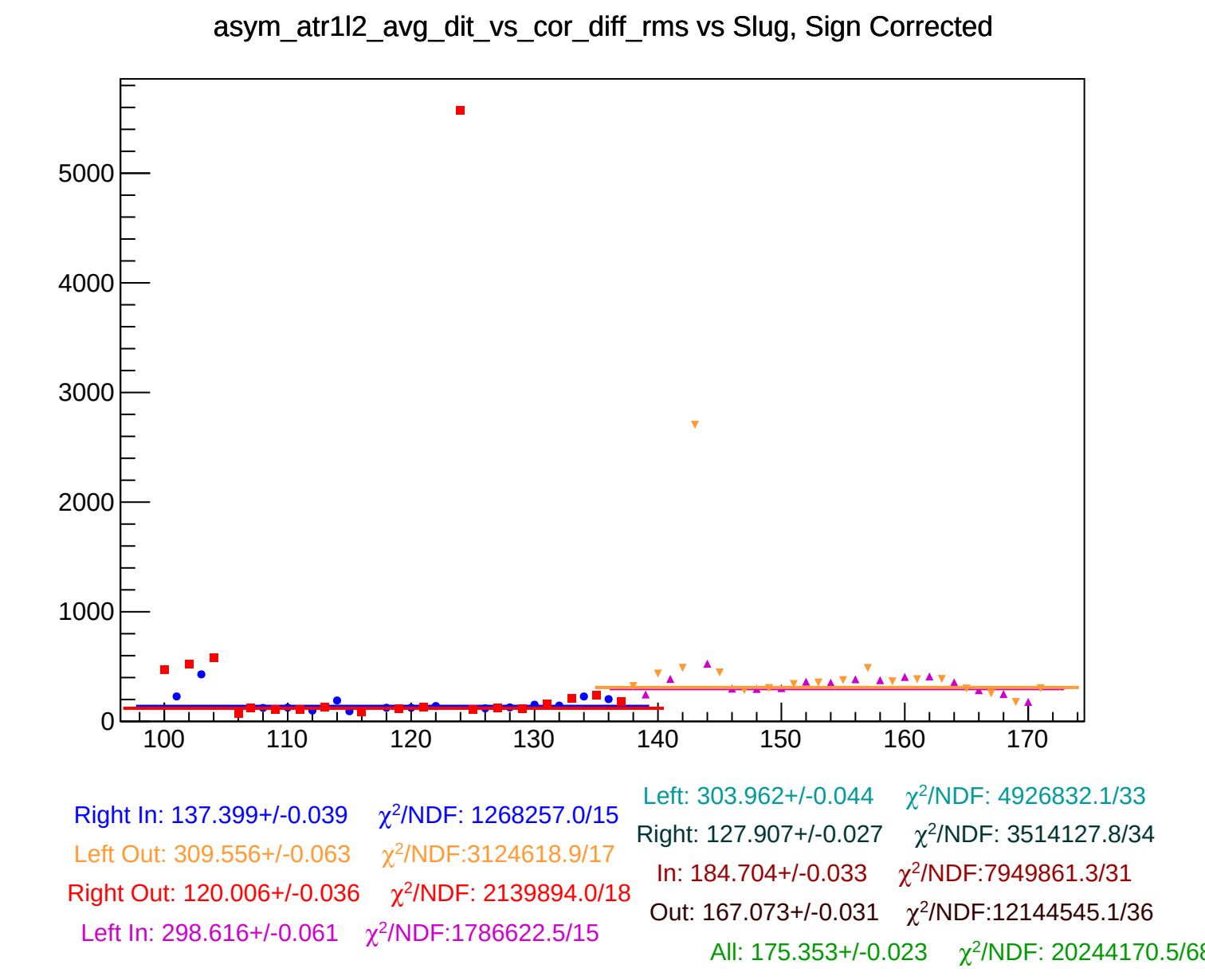
Left: -0.082+/-0.062 χ^2/NDF: 50.7/33

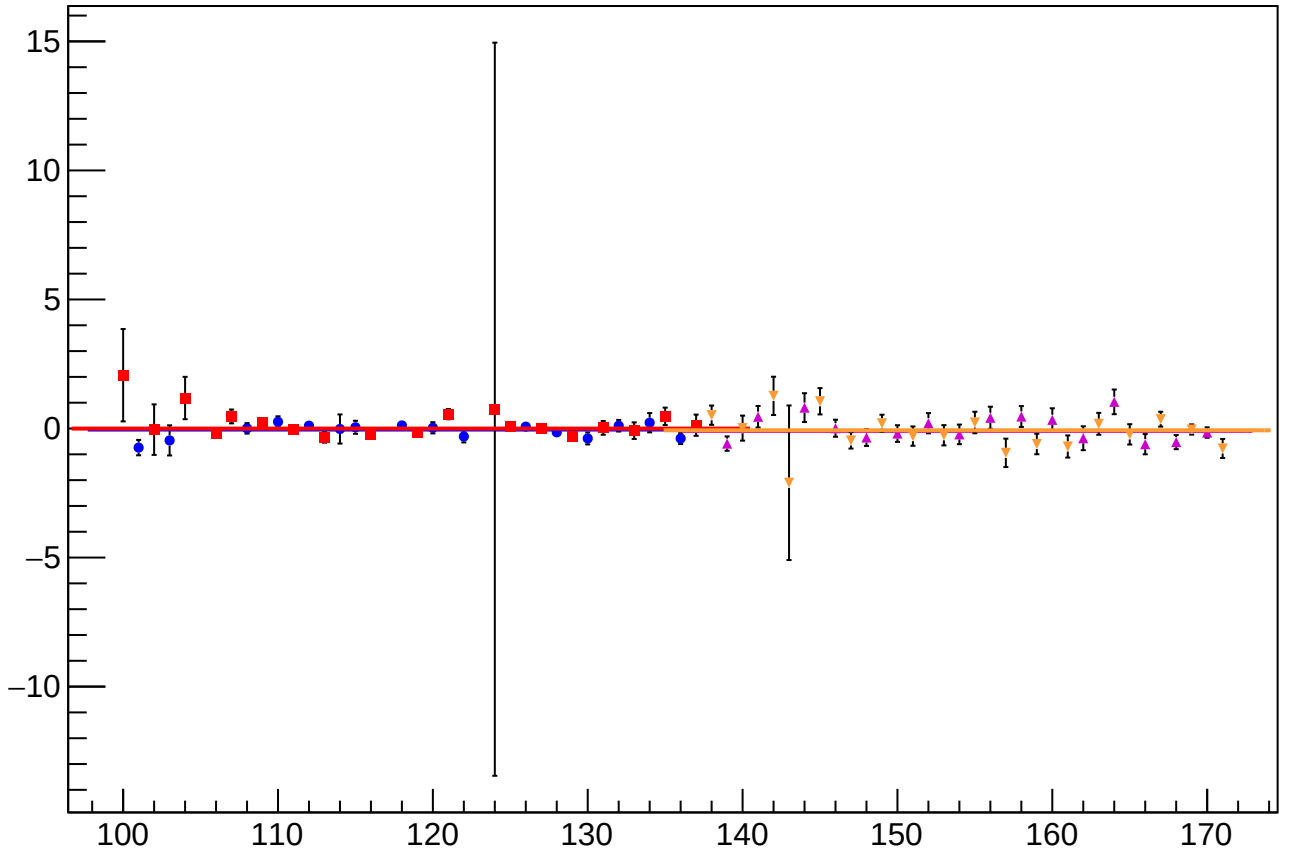
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/68


asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 137.399+/-0.039 χ2/NDF: 1268257.0/15
Left Out: 309.556+/-0.063 χ2/NDF:3124618.9/17
Right Out: 120.006+/-0.036 χ2/NDF: 2139894.0/18
Left In: 298.616+/-0.061 χ2/NDF:1786622.5/15
Left: 303.962+/-0.044 χ2/NDF: 4926832.1/33
Right: 127.907+/-0.027 χ2/NDF: 3514127.8/34
In: 184.704+/-0.033 χ2/NDF:7949861.3/31
Out: 167.073+/-0.031 χ2/NDF:12144545.1/36
All: 175.353+/-0.023 χ2/NDF: 20244170.5/68



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+/-0.087 χ^2/NDF:23.4/15

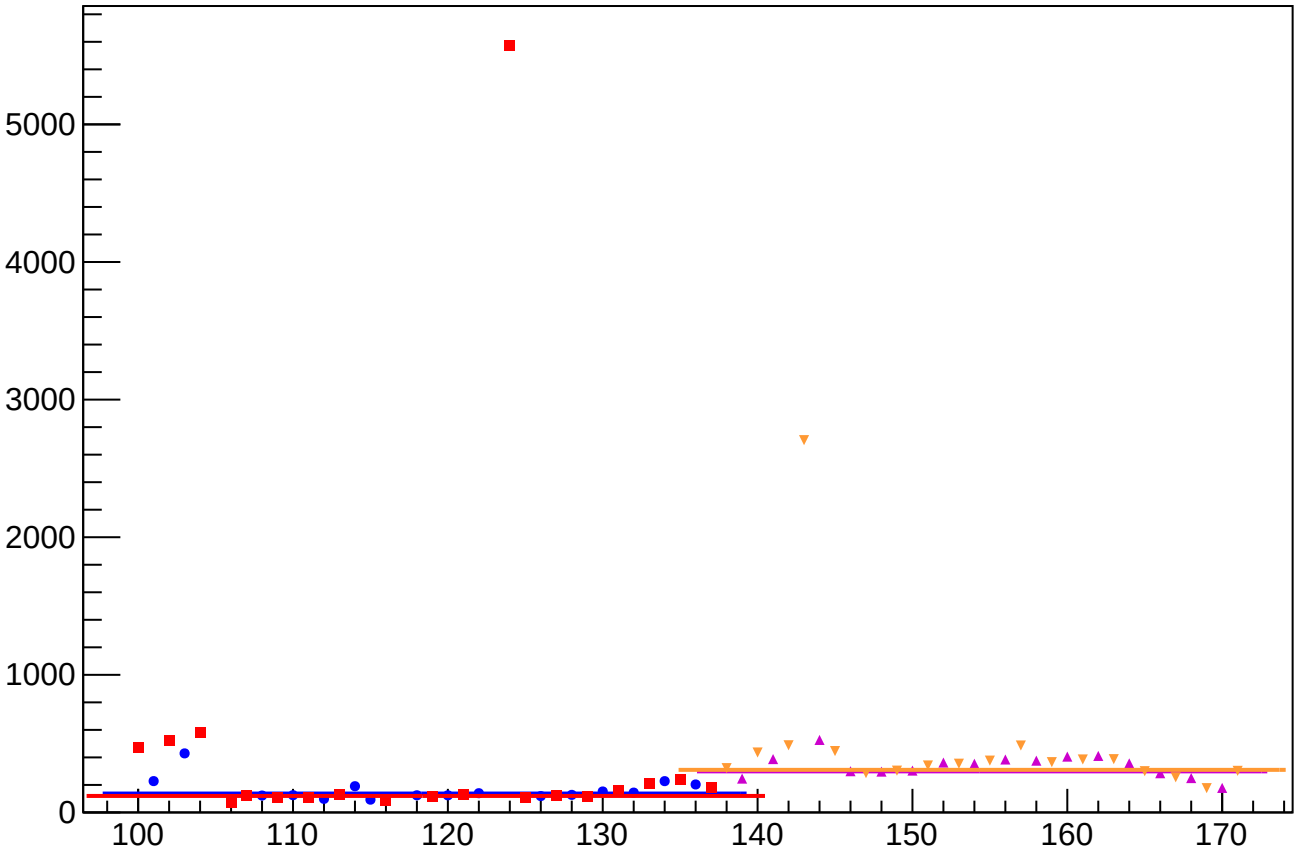
Left: -0.082+/-0.062 χ^2/NDF: 50.7/33

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/68



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: 298.616+/-0.061 χ^2/NDF:1786622.5/15

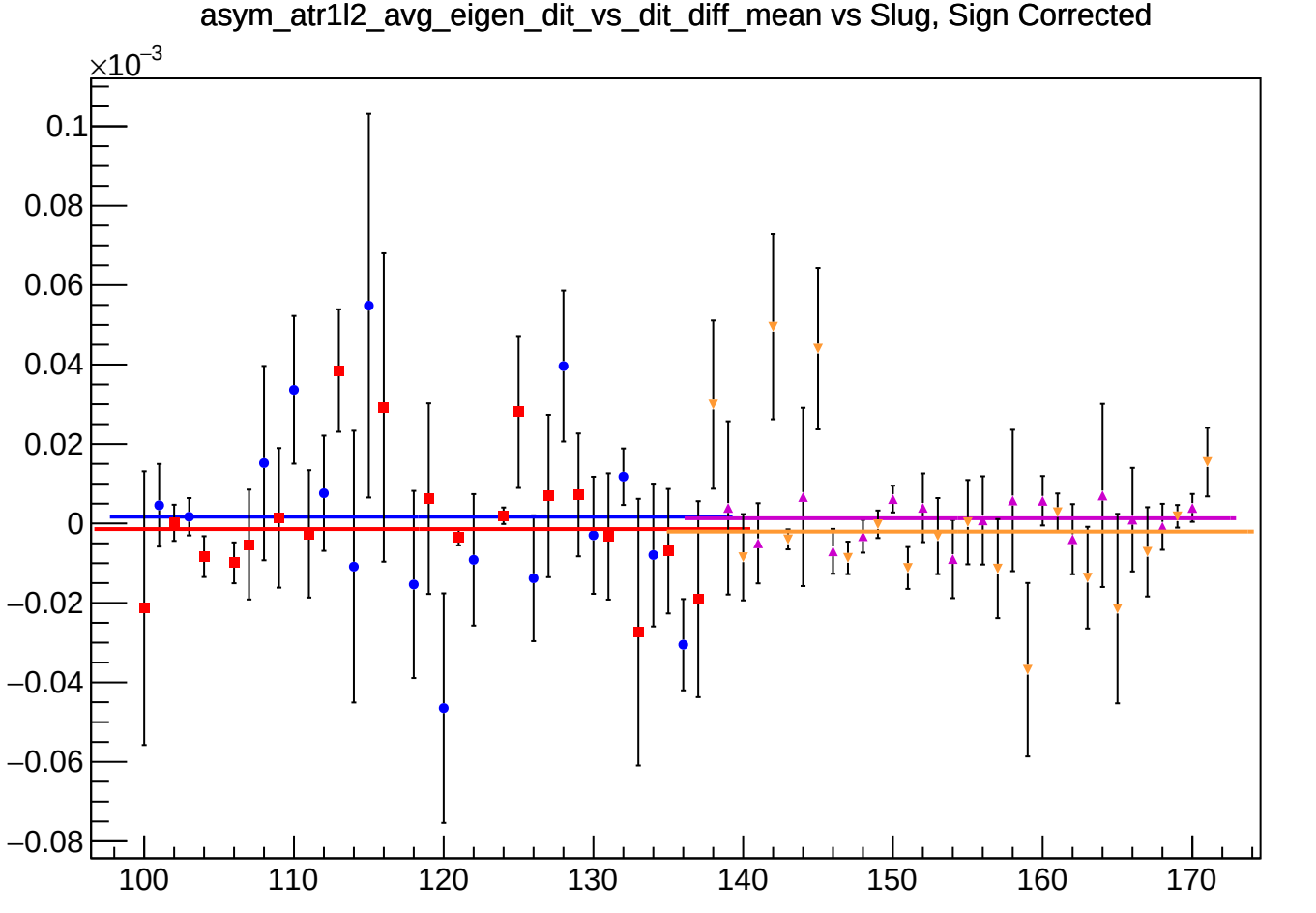
Left: 303.962+/-0.044 χ^2/NDF: 4926832.1/33

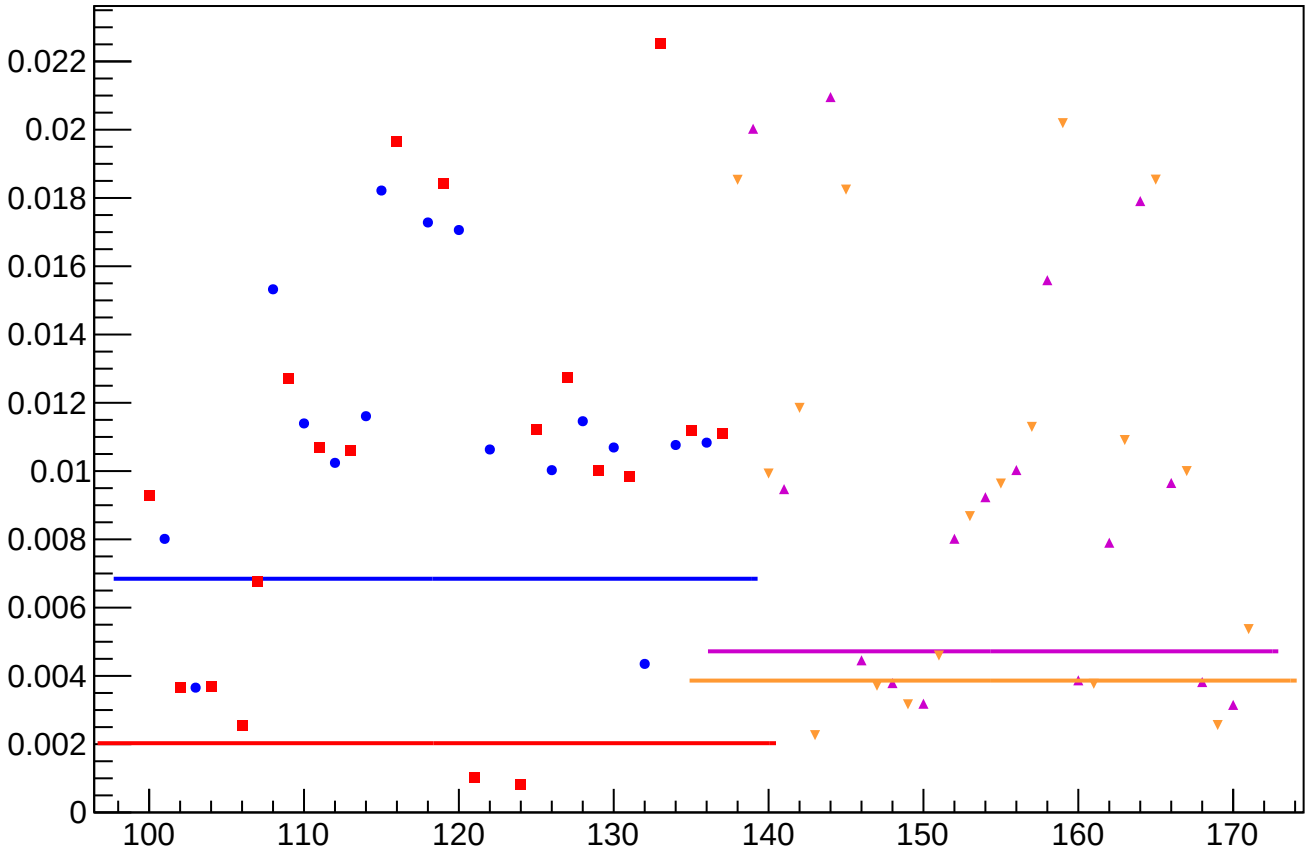
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 184.704+/-0.033 χ^2/NDF:7949861.3/31

Out: 167.073+/-0.031 χ^2/NDF:12144545.1/36

All: 175.353+/-0.023 χ^2/NDF: 20244170.5/68


asym_atr1l2_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: 23.8/15
Left Out: -0.000+/-0.000 χ²/NDF:31.0/17
Right Out: -0.000+/-0.000 χ²/NDF: 20.3/18
Left In: 0.000+/-0.000 χ²/NDF:8.7/15
Left: -0.000+/-0.000 χ²/NDF: 42.4/33
Right: -0.000+/-0.000 χ²/NDF: 45.0/34
In: 0.000+/-0.000 χ²/NDF:32.5/31
Out: -0.000+/-0.000 χ²/NDF:51.4/36
All: -0.000+/-0.000 χ²/NDF: 87.4/68



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:6601154.3/15

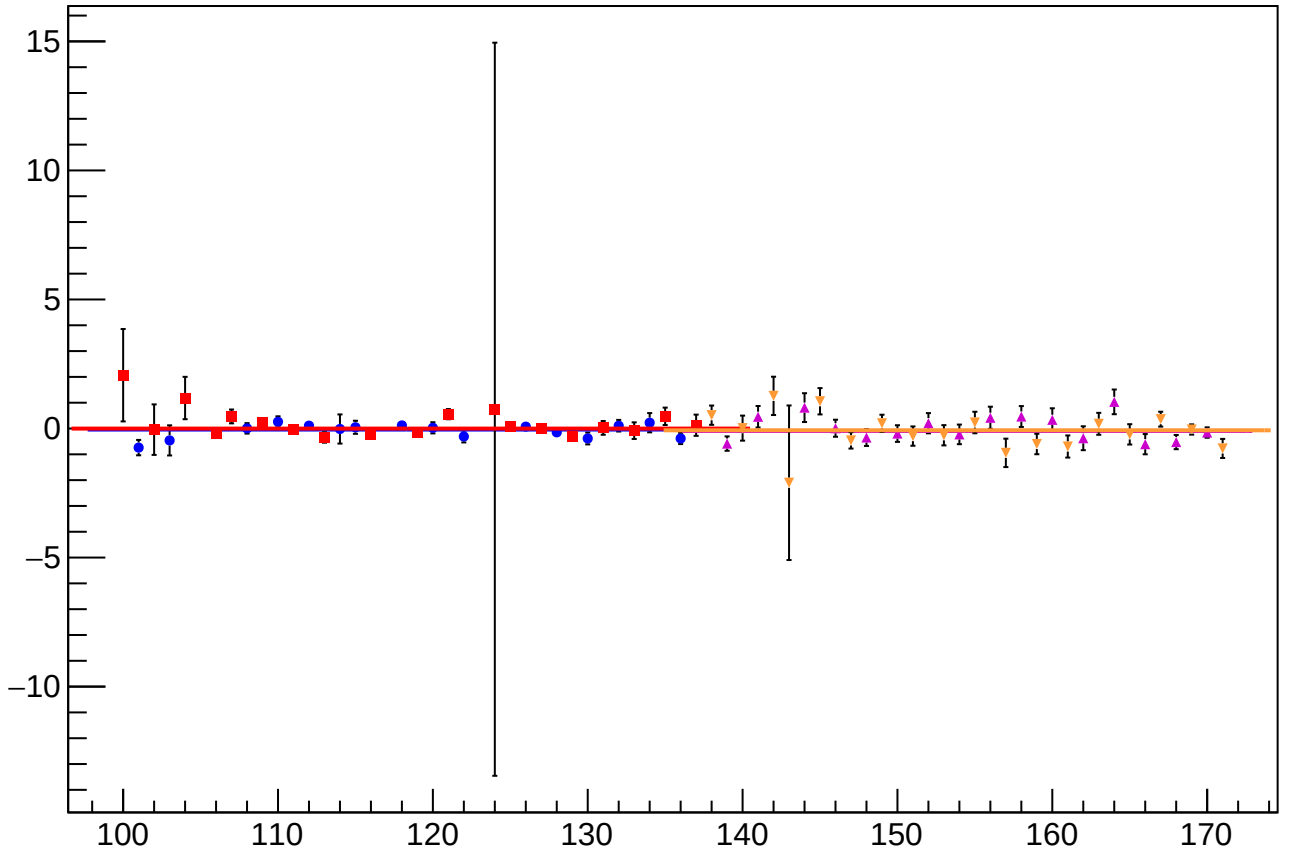
Left: 0.004+/-0.000 χ^2/NDF: 16056384.2/33

Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:10623725.7/31

Out: 0.003+/-0.000 χ^2/NDF:20156177.4/36

All: 0.004+/-0.000 χ^2/NDF: 34516893.6/68



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+/-0.087 χ^2/NDF:23.4/15

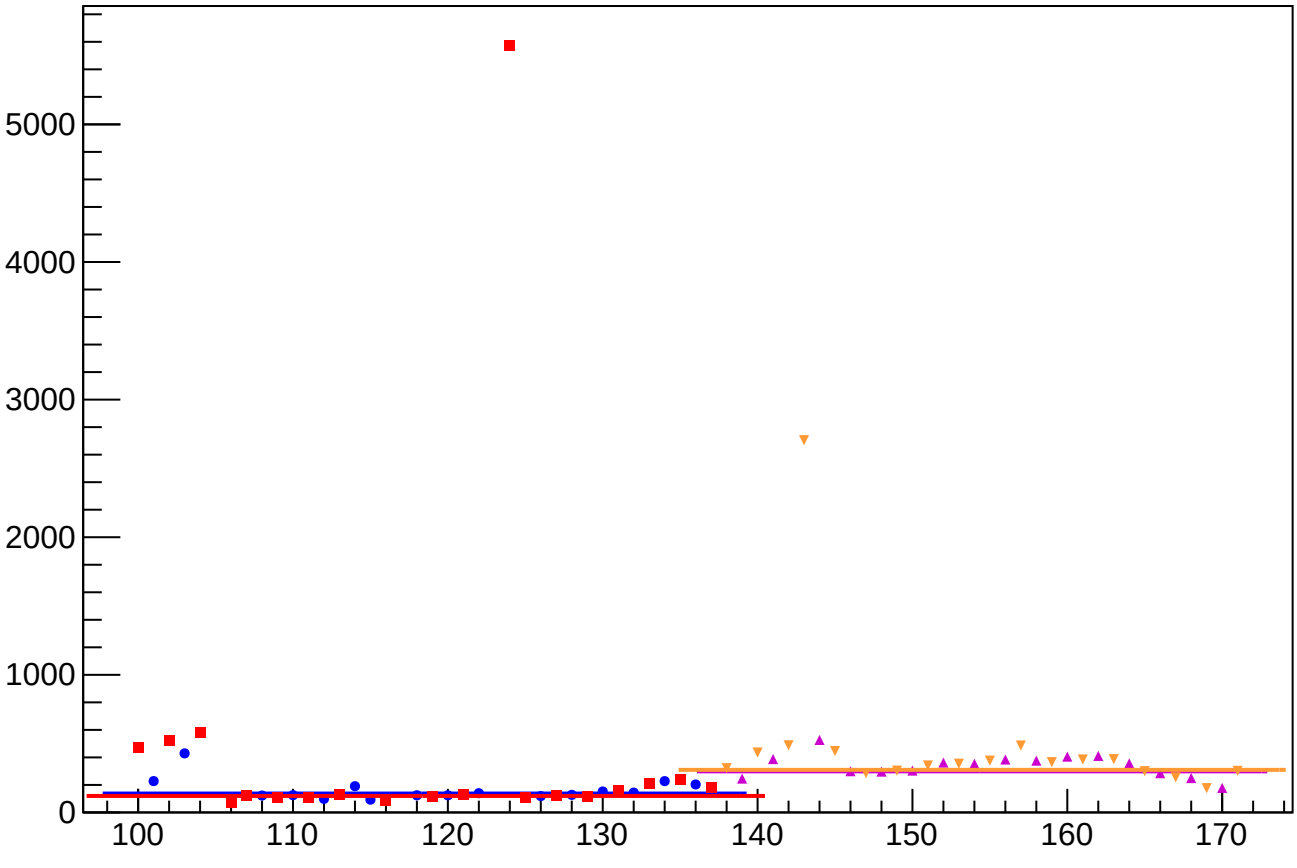
Left: -0.082+/-0.062 χ^2/NDF: 50.7/33

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/68



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: 298.619+/-0.061 χ^2/NDF:1786653.1/15

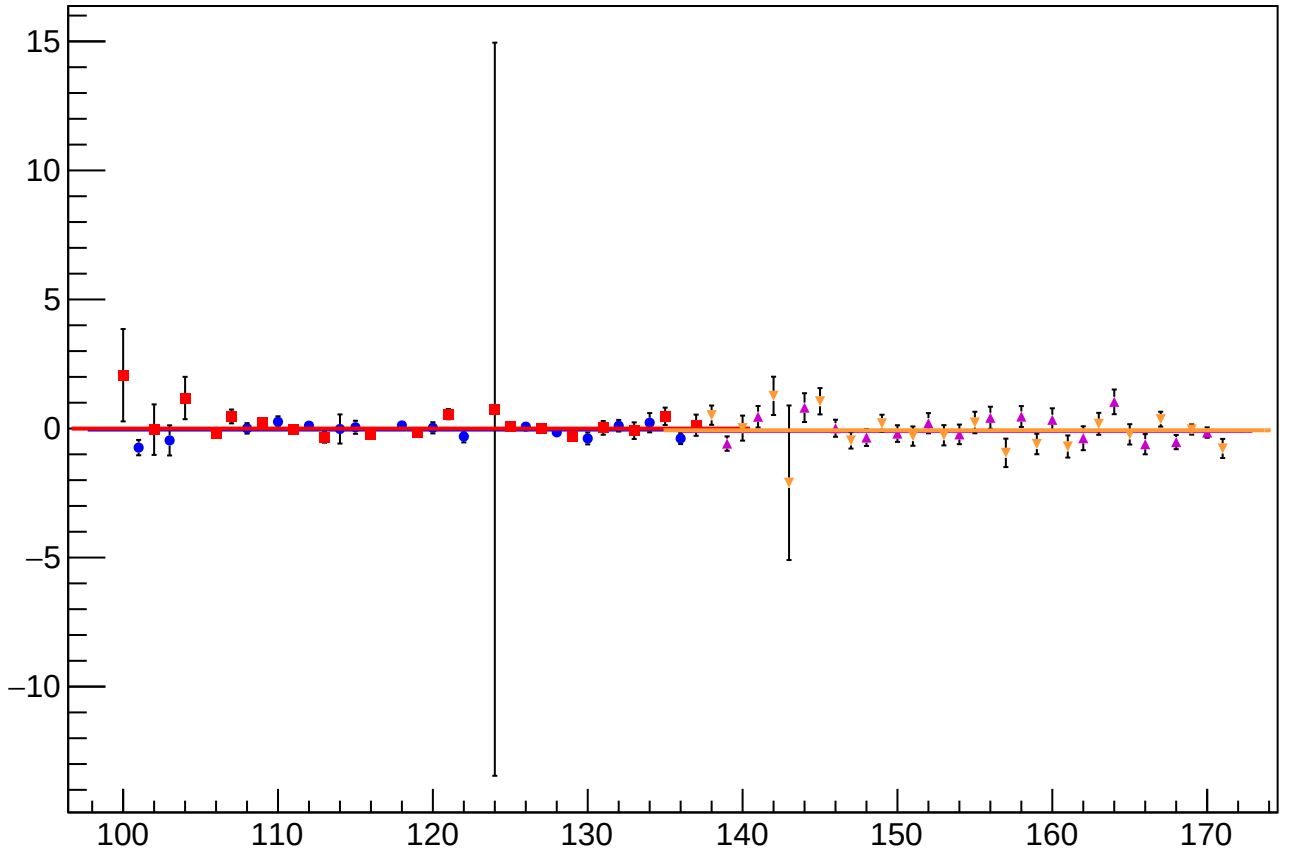
Left: 303.965+/-0.044 χ^2/NDF: 4926929.1/33

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 184.705+/-0.033 χ^2/NDF:7949890.6/31

Out: 167.073+/-0.031 χ^2/NDF:12144639.5/36

All: 175.353+/-0.023 χ^2/NDF: 20244314.7/68



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+/-0.087 χ^2/NDF:23.4/15

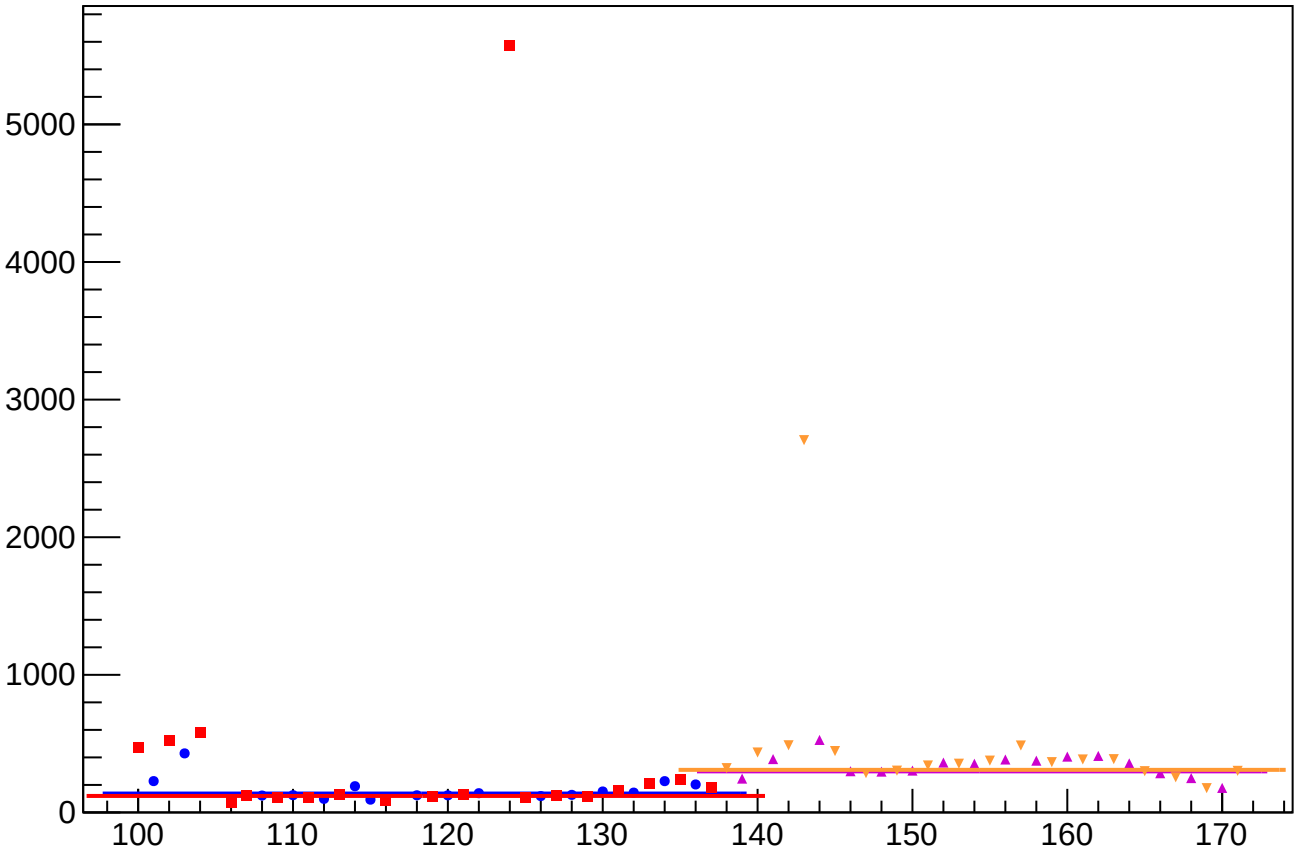
Left: -0.082+/-0.062 χ^2/NDF: 50.7/33

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.056+/-0.047 χ^2/NDF:41.6/31

Out: -0.019+/-0.044 χ^2/NDF:56.4/36

All: -0.037+/-0.032 χ^2/NDF: 98.3/68



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: 298.619+/-0.061 χ^2/NDF:1786653.1/15

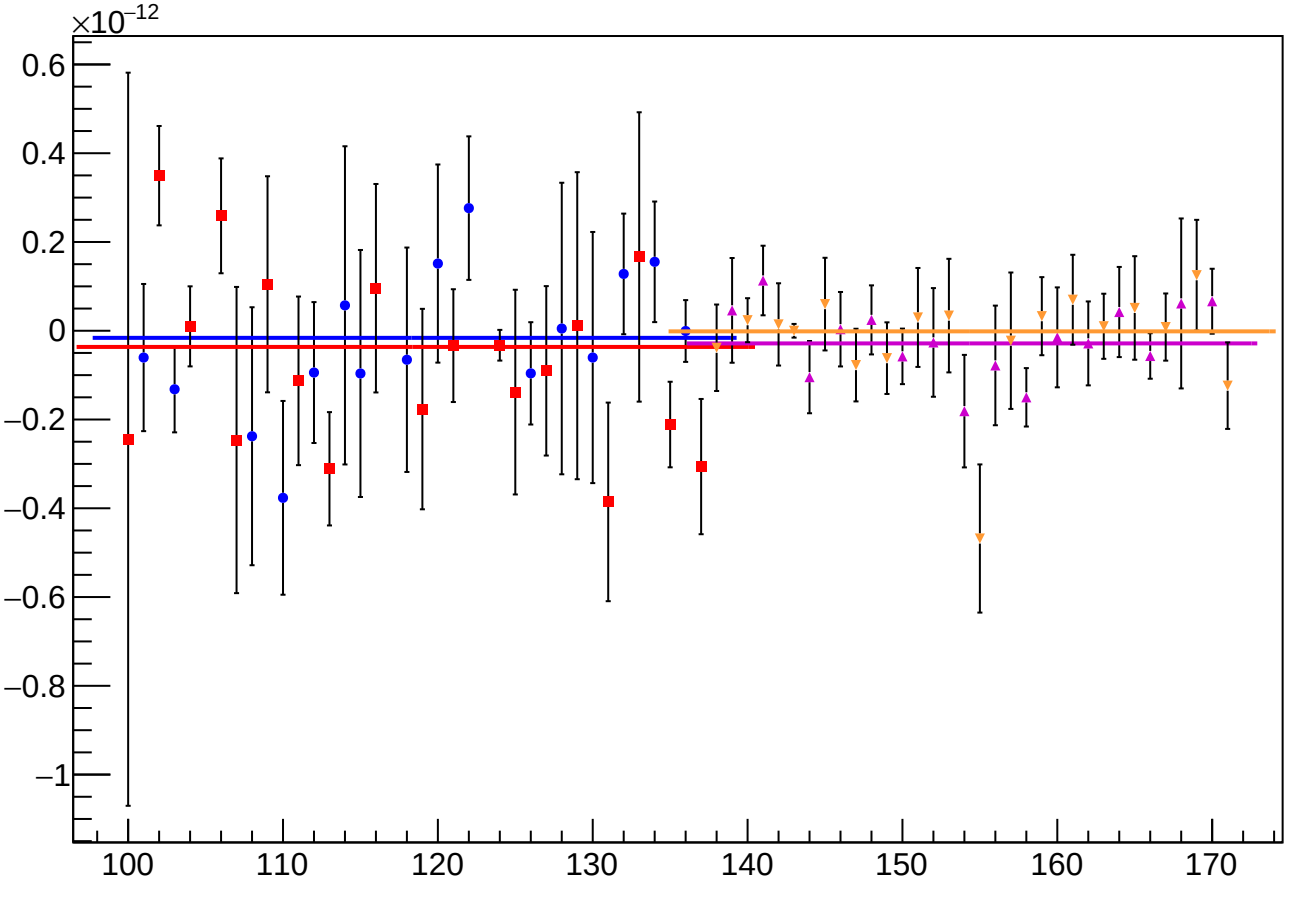
Left: 303.965+/-0.044 χ^2/NDF: 4926929.1/33

Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 184.705+/-0.033 χ^2/NDF:7949890.6/31

Out: 167.073+/-0.031 χ^2/NDF:12144639.5/36

All: 175.353+/-0.023 χ^2/NDF: 20244314.7/68



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.1/15

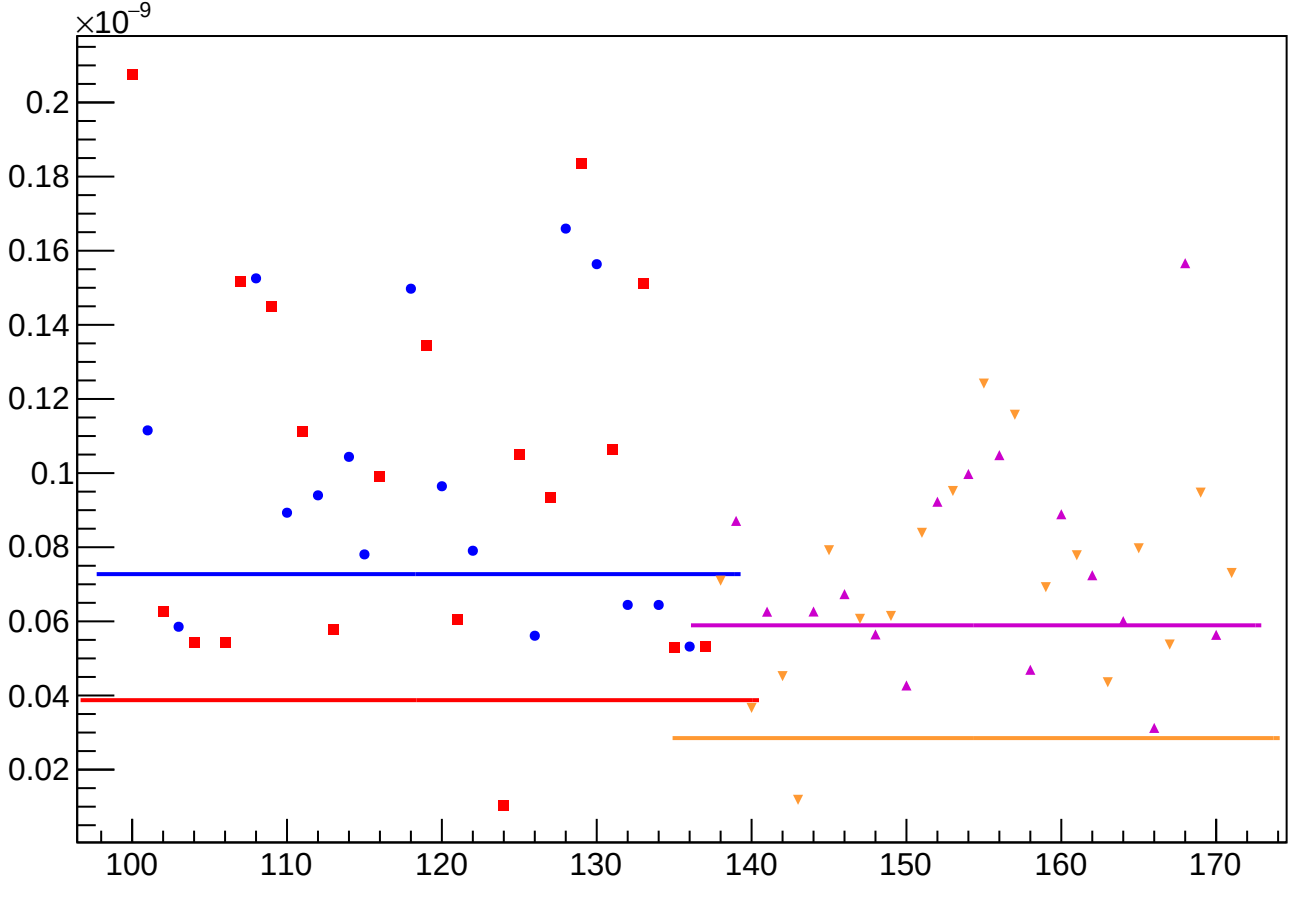
Left: -0.000+/-0.000 χ^2/NDF: 28.0/33

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: -0.000+/-0.000 χ^2/NDF:48.4/36

All: -0.000+/-0.000 χ^2/NDF: 74.5/68



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:2222778.2/15

Left: 0.000+/-0.000 χ^2/NDF: 14139681.4/33

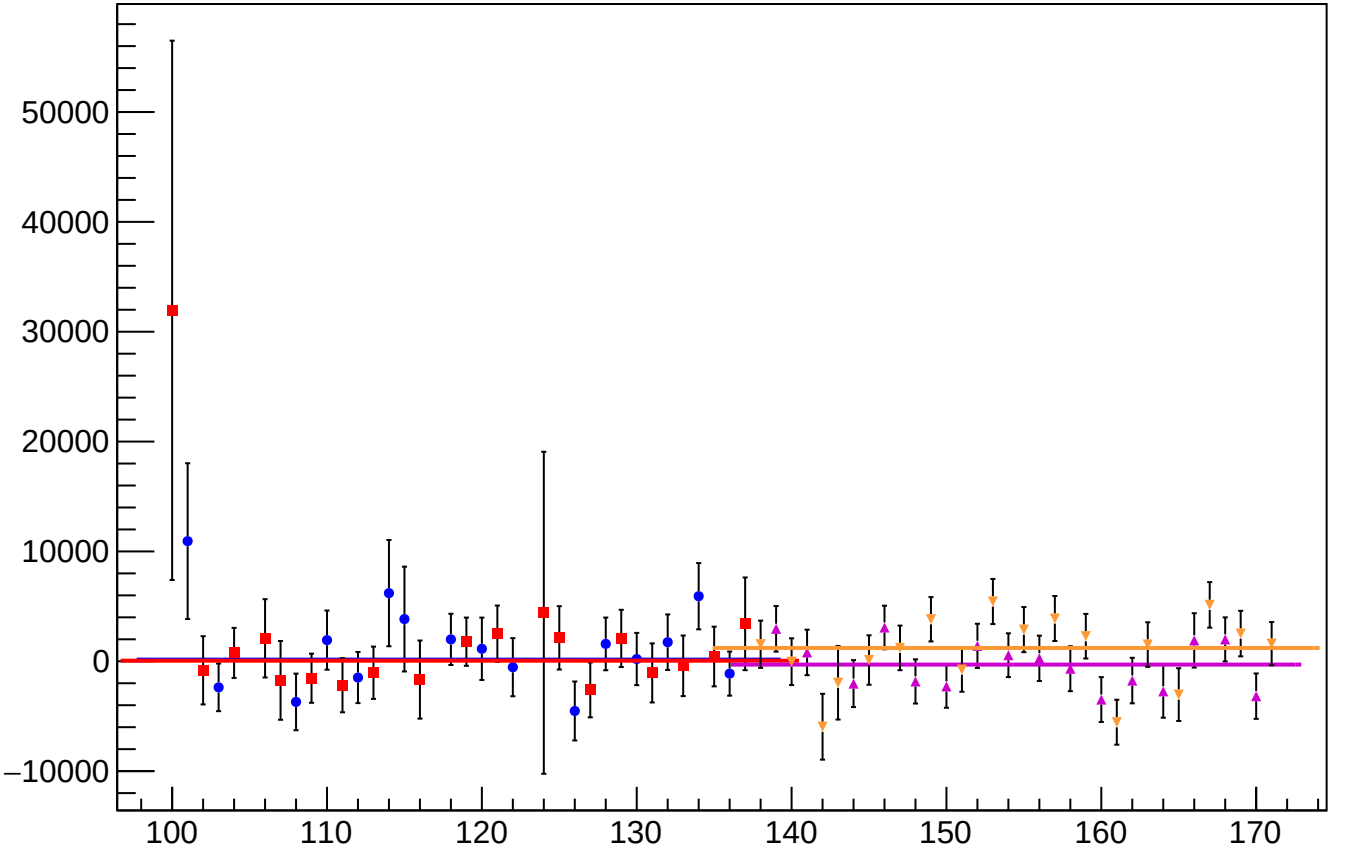
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3559113.9/31

Out: 0.000+/-0.000 χ^2/NDF:13381685.5/36

All: 0.000+/-0.000 χ^2/NDF: 21279271.1/68

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: -301.482+/-518.731 χ^2/NDF:16.9/15

Left: 473.740+/-362.274 χ^2/NDF: 56.1/33

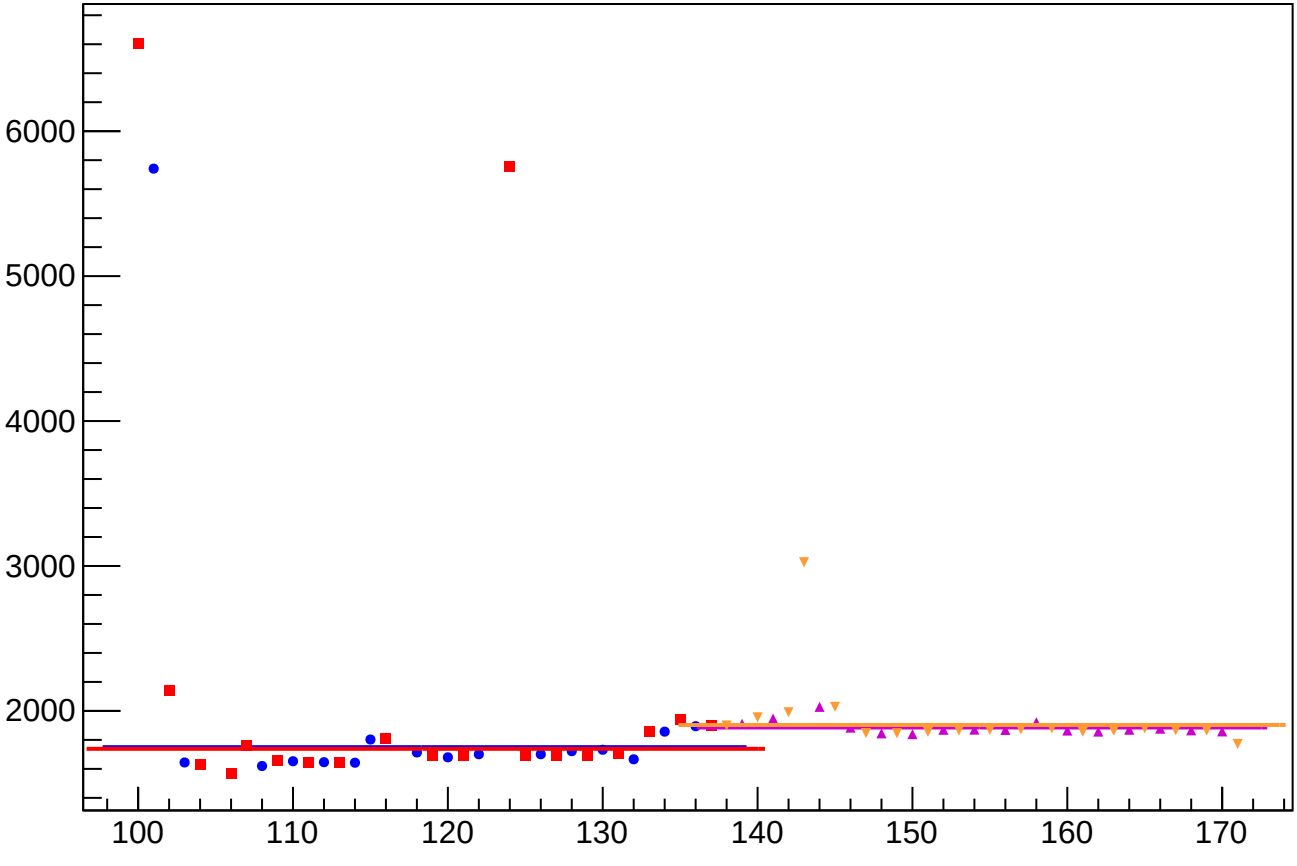
Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -131.064+/-409.482 χ^2/NDF:34.9/31

Out: 779.201+/-400.573 χ^2/NDF:45.8/36

All: 334.078+/-286.346 χ^2/NDF: 83.1/68

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



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: 1885.615+/-0.367 χ^2/NDF:15061.1/15

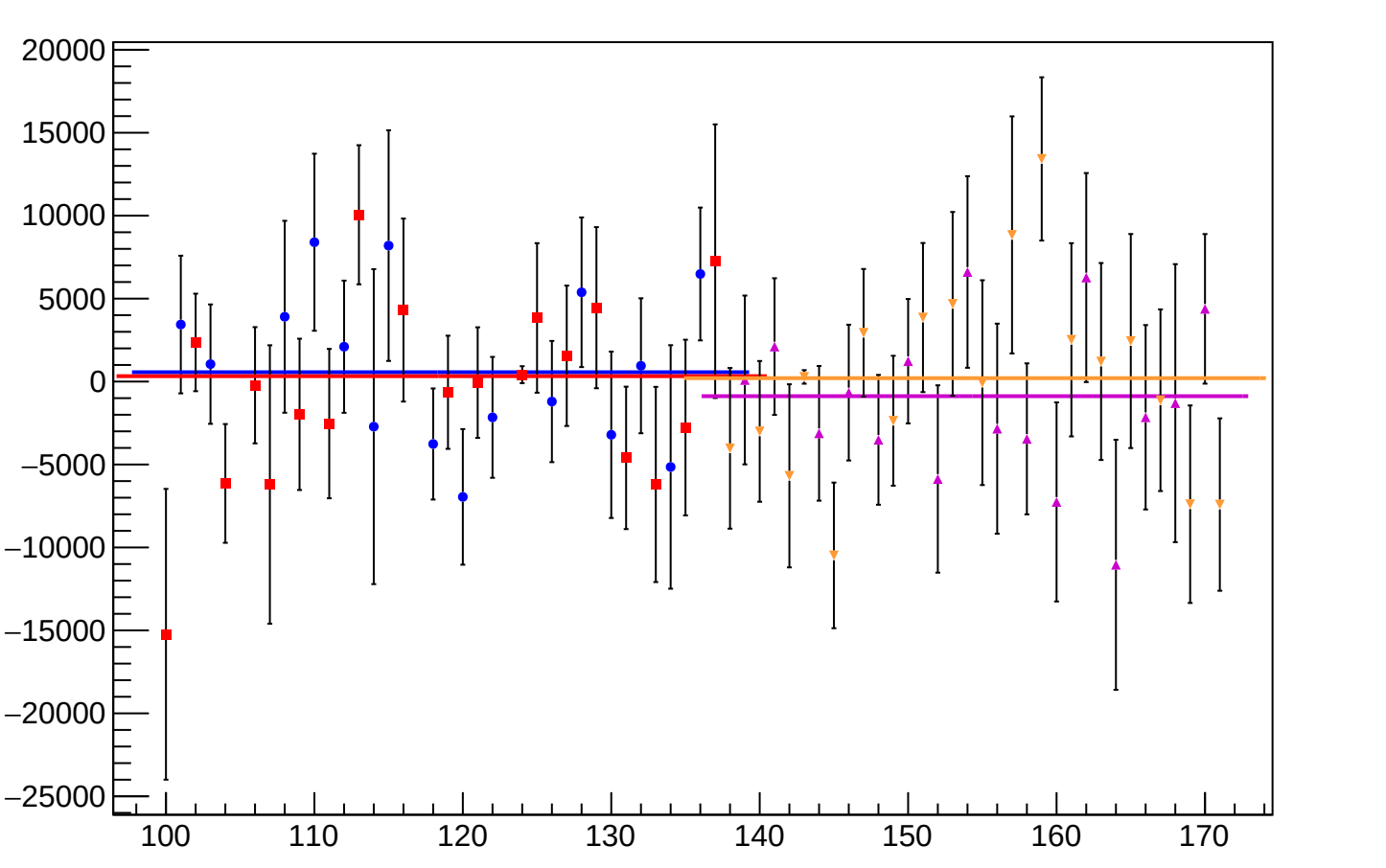
Left: 1894.454+/-0.256 χ^2/NDF: 268462.2/33

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1834.456+/-0.290 χ^2/NDF:736256.1/31

Out: 1840.875+/-0.282 χ^2/NDF:636312.8/36

All: 1837.745+/-0.202 χ^2/NDF: 1372820.7/68



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: -880.667+/-1235.309 χ^2/NDF:10.2/15

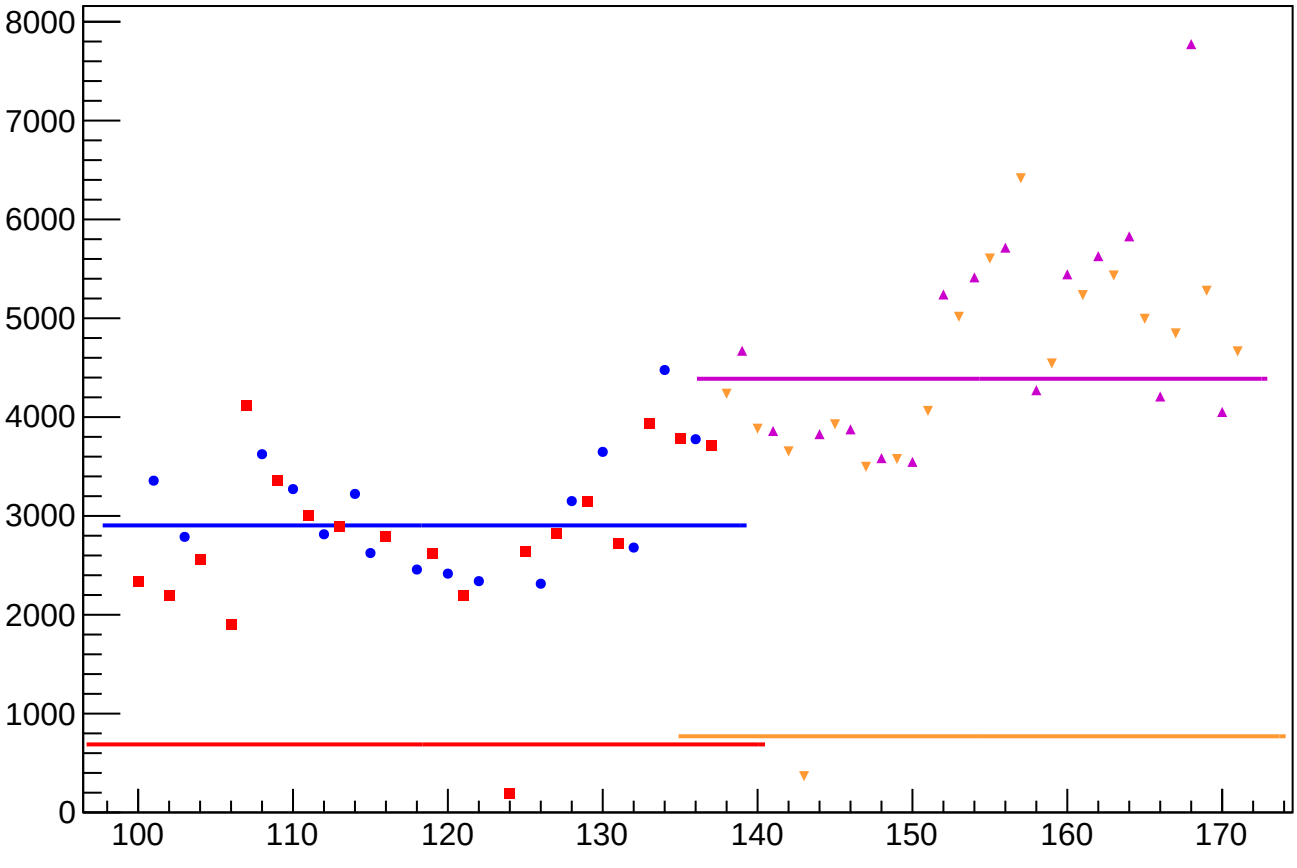
Left: 108.840+/-370.222 χ^2/NDF: 34.4/33

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: -76.587+/-821.991 χ^2/NDF:25.7/31

Out: 256.257+/-296.059 χ^2/NDF:42.8/36

All: 218.037+/-278.543 χ^2/NDF: 68.6/68



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: 4387.934+/-0.873 χ^2/NDF:1043594.1/15

Left: 1095.562+/-0.262 χ^2/NDF: 36851950.9/33

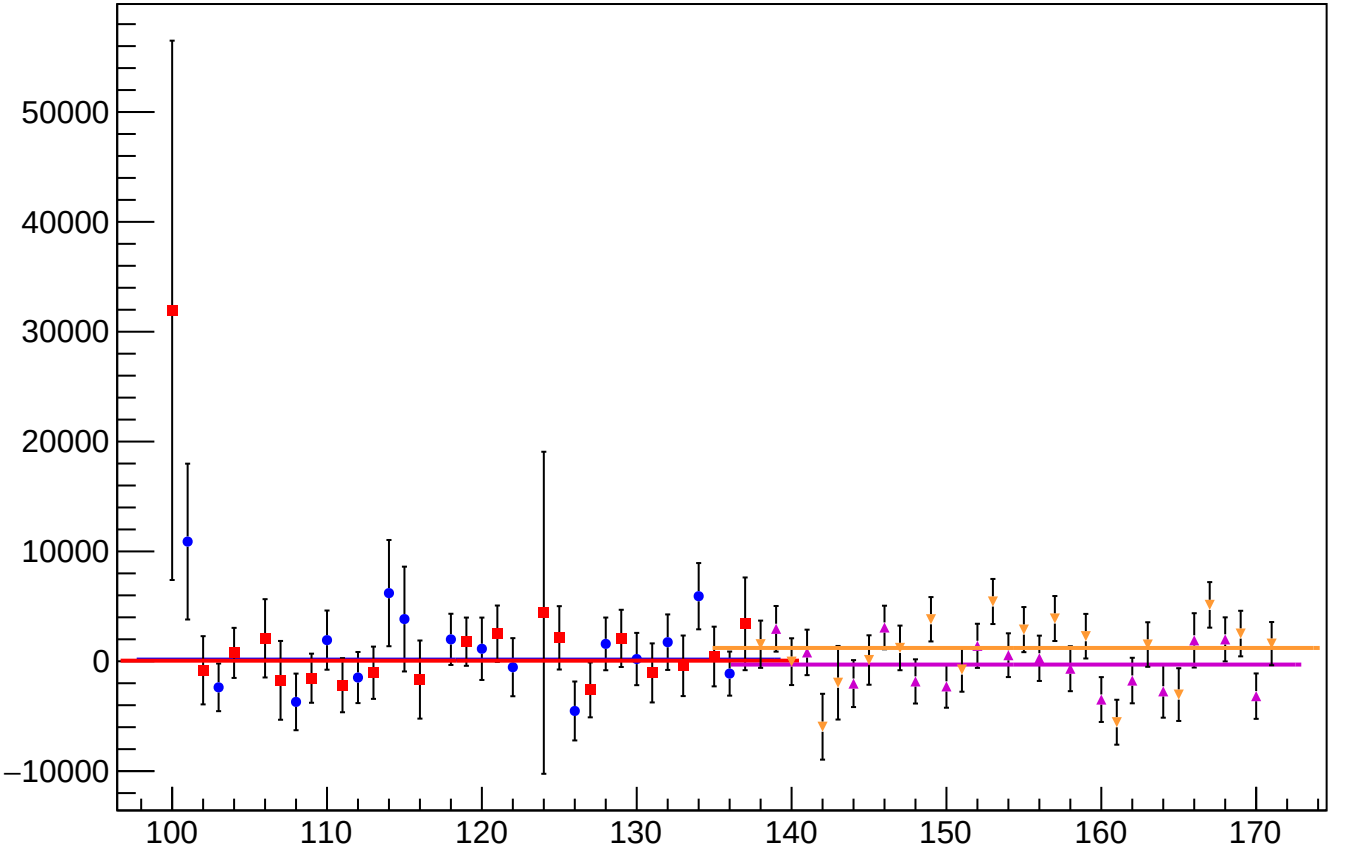
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3561.081+/-0.581 χ^2/NDF:3131434.9/31

Out: 736.245+/-0.209 χ^2/NDF:30386128.5/36

All: 1060.617+/-0.197 χ^2/NDF: 54425433.8/6

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: -301.513+/-518.731 χ^2/NDF:16.9/15

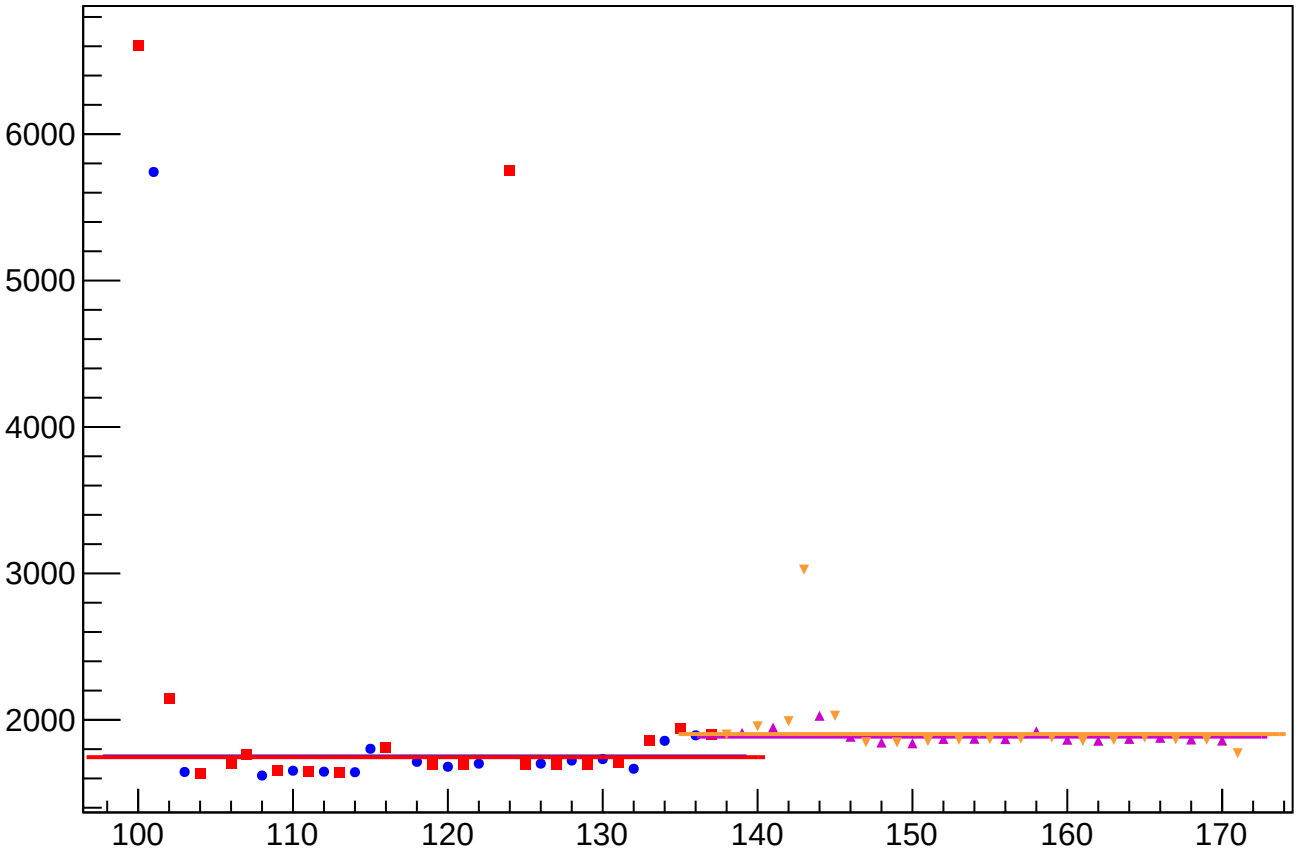
Left: 473.707+/-362.274 χ^2/NDF: 56.1/33

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -131.260+/-409.482 χ^2/NDF:34.9/31

Out: 779.199+/-400.573 χ^2/NDF:45.8/36

All: 333.982+/-286.346 χ^2/NDF: 83.1/68



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: 1885.615+/-0.367 χ^2/NDF:15061.1/15

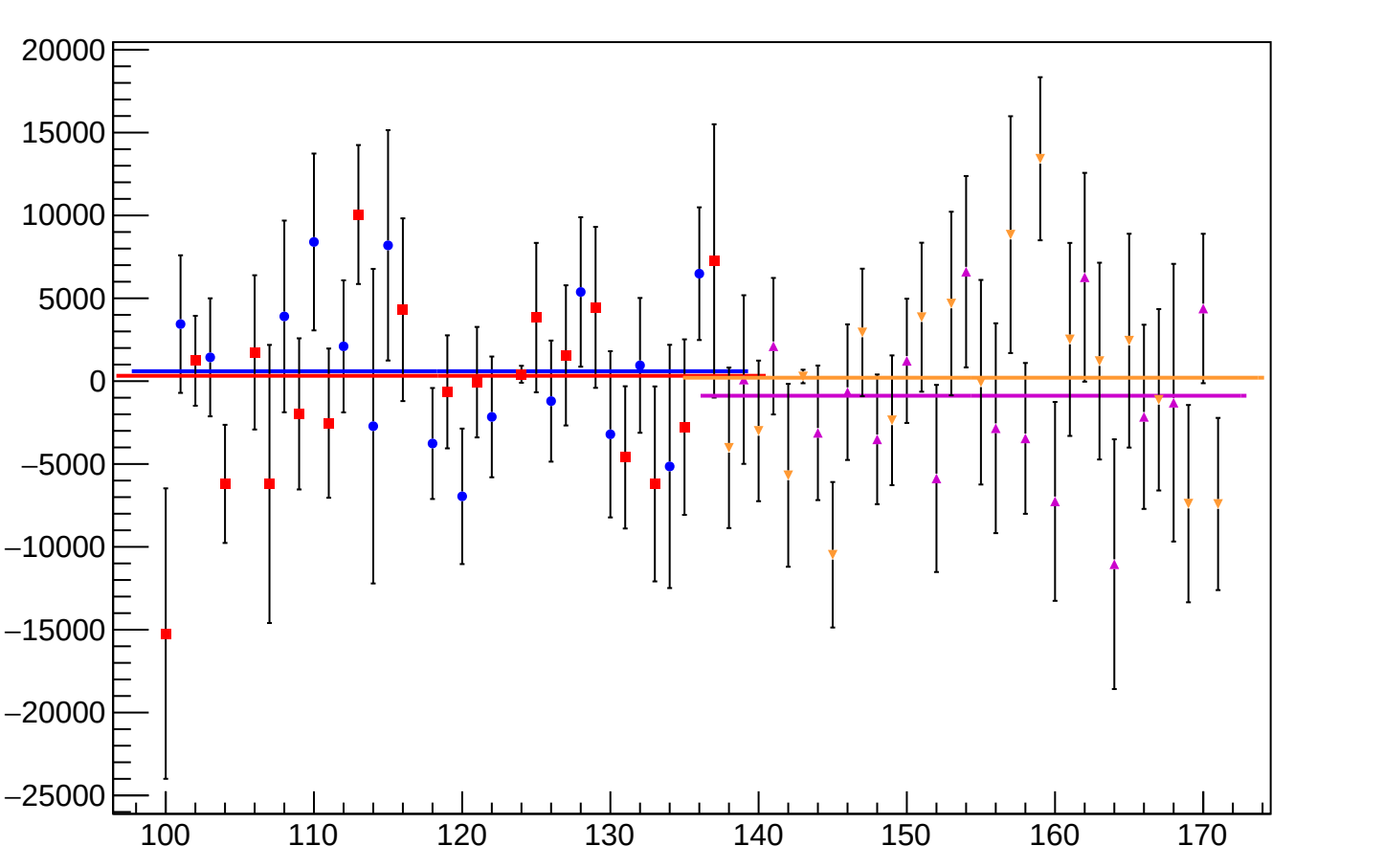
Left: 1894.454+/-0.256 χ^2/NDF: 268462.2/33

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1834.456+/-0.290 χ^2/NDF:736256.6/31

Out: 1843.667+/-0.283 χ^2/NDF:623120.7/36

All: 1839.169+/-0.202 χ^2/NDF: 1359895.2/68



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: -880.746+/-1235.307 χ^2/NDF:10.2/15

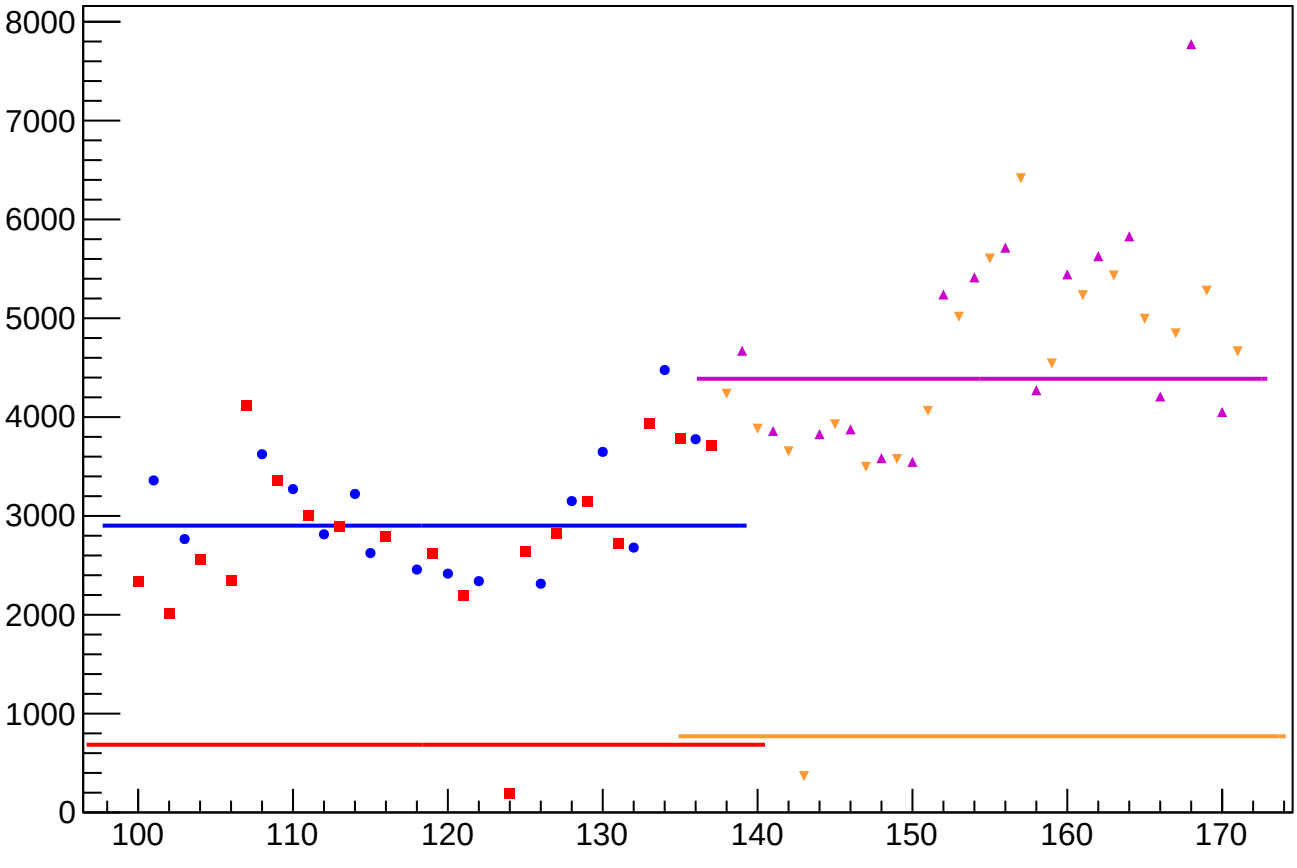
Left: 109.667+/-370.249 χ^2/NDF: 34.4/33

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -54.837+/-821.559 χ^2/NDF:25.8/31

Out: 255.688+/-296.319 χ^2/NDF:42.5/36

All: 219.942+/-278.743 χ^2/NDF: 68.5/68



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: 4387.926+/-0.873 χ^2/NDF:1043609.7/15

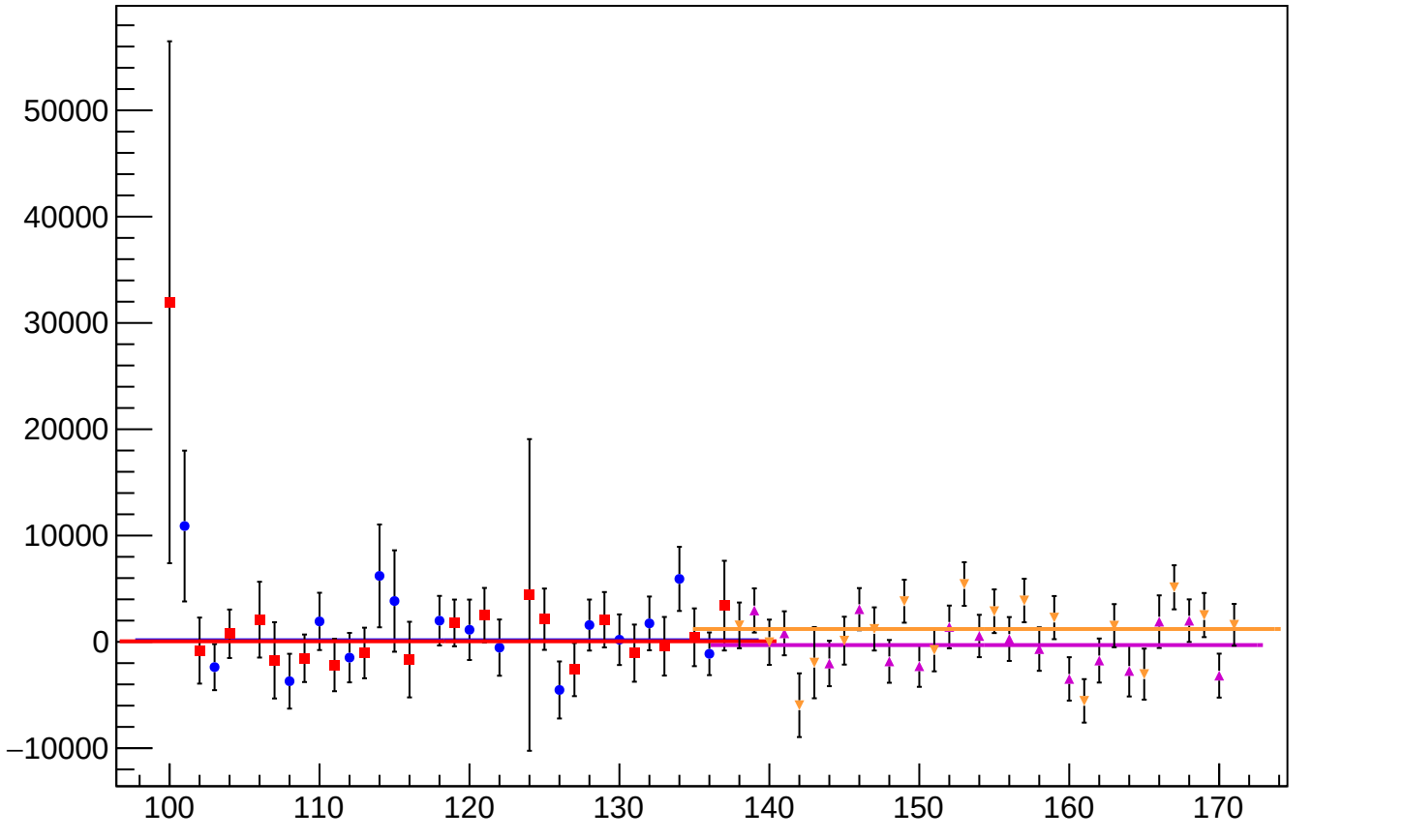
Left: 1095.702+/-0.262 χ^2/NDF: 36850100.8/33

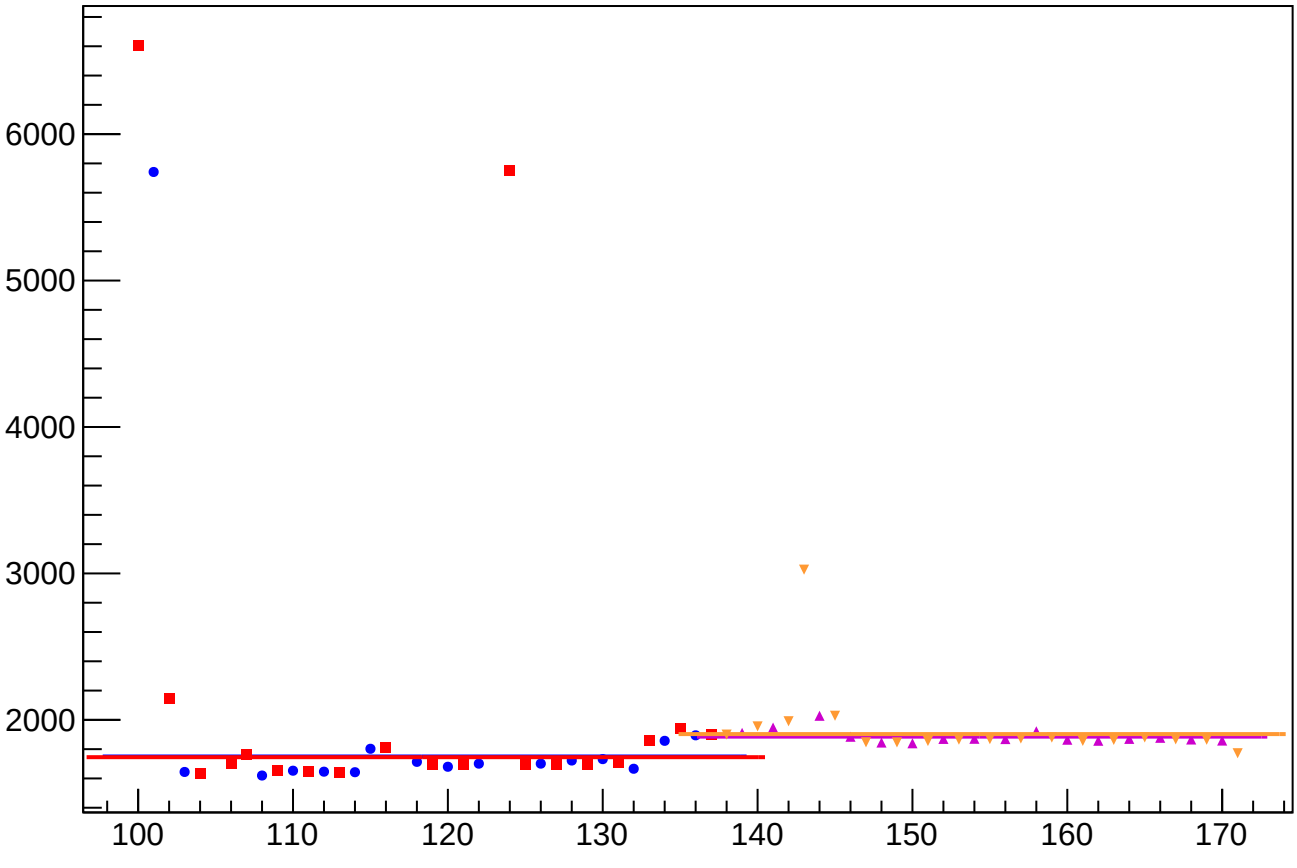
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3559.163+/-0.581 χ^2/NDF:3138708.8/31

Out: 735.104+/-0.210 χ^2/NDF:30345121.4/36

All: 1060.194+/-0.197 χ^2/NDF: 54395439.1/6


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: -301.513+/-518.731 χ²/NDF:16.9/15
Left: 473.707+/-362.274 χ²/NDF: 56.1/33
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -131.260+/-409.482 χ²/NDF:34.9/31
Out: 779.199+/-400.573 χ²/NDF:45.8/36
All: 333.982+/-286.346 χ²/NDF: 83.1/68



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: 1885.615+/-0.367 χ^2/NDF:15061.1/15

Left: 1894.454+/-0.256 χ^2/NDF: 268462.2/33

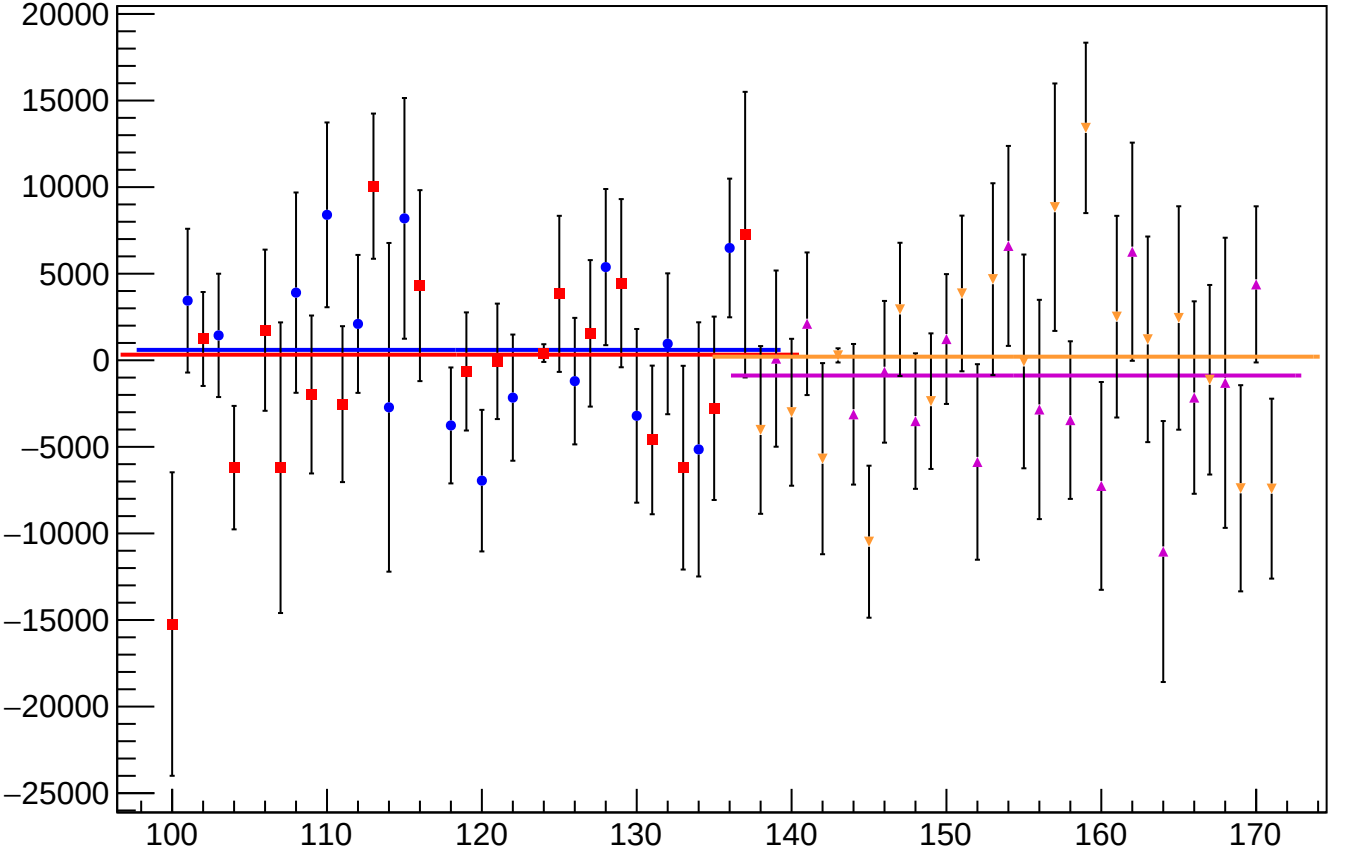
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1834.456+/-0.290 χ^2/NDF:736256.6/31

Out: 1843.667+/-0.283 χ^2/NDF:623120.7/36

All: 1839.169+/-0.202 χ^2/NDF: 1359895.2/68

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: -880.746+/-1235.307 χ^2/NDF:10.2/15

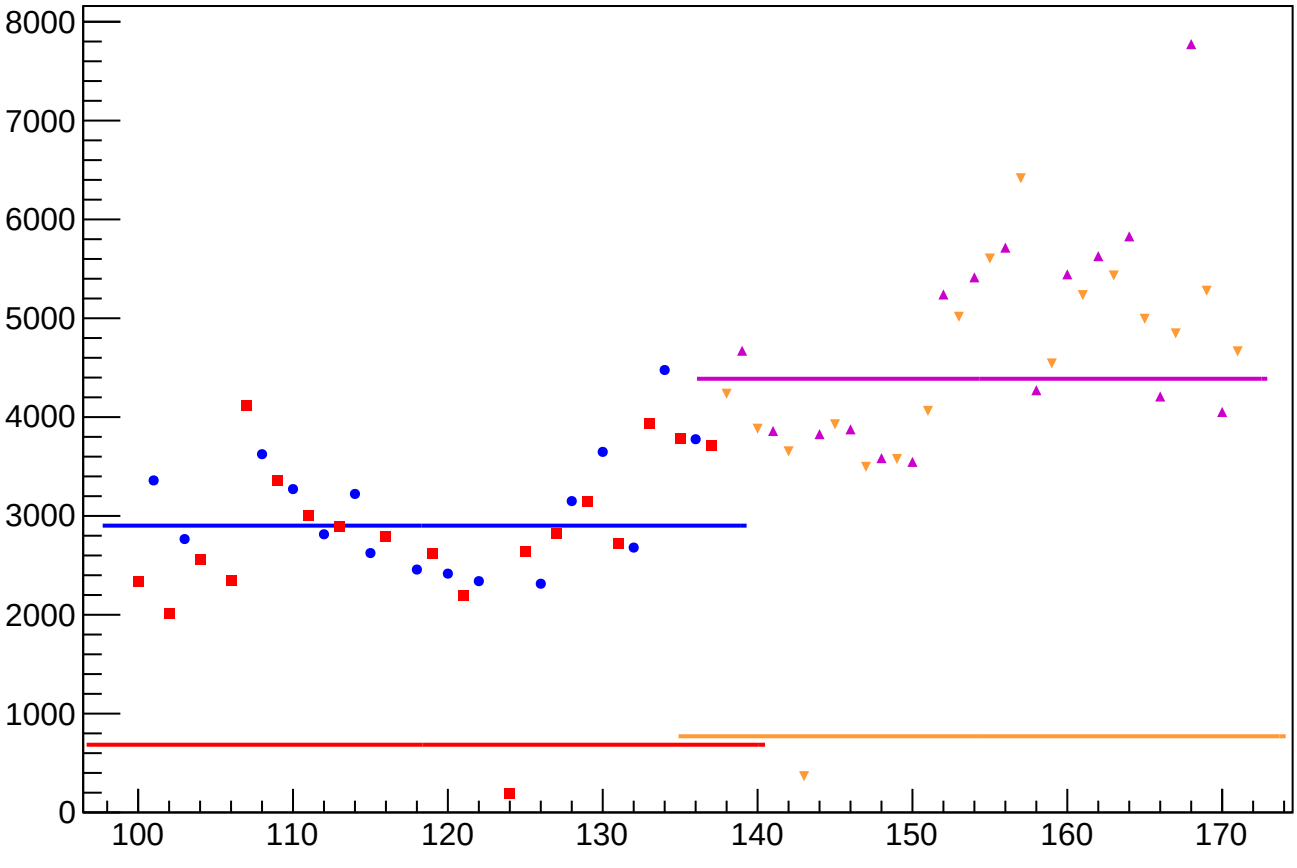
Left: 109.667+/-370.249 χ^2/NDF: 34.4/33

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: -54.837+/-821.559 χ^2/NDF:25.8/31

Out: 255.688+/-296.319 χ^2/NDF:42.5/36

All: 219.942+/-278.743 χ^2/NDF: 68.5/68



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: 4387.926+/-0.873 χ^2/NDF:1043609.7/15

Left: 1095.702+/-0.262 χ^2/NDF: 36850100.8/33

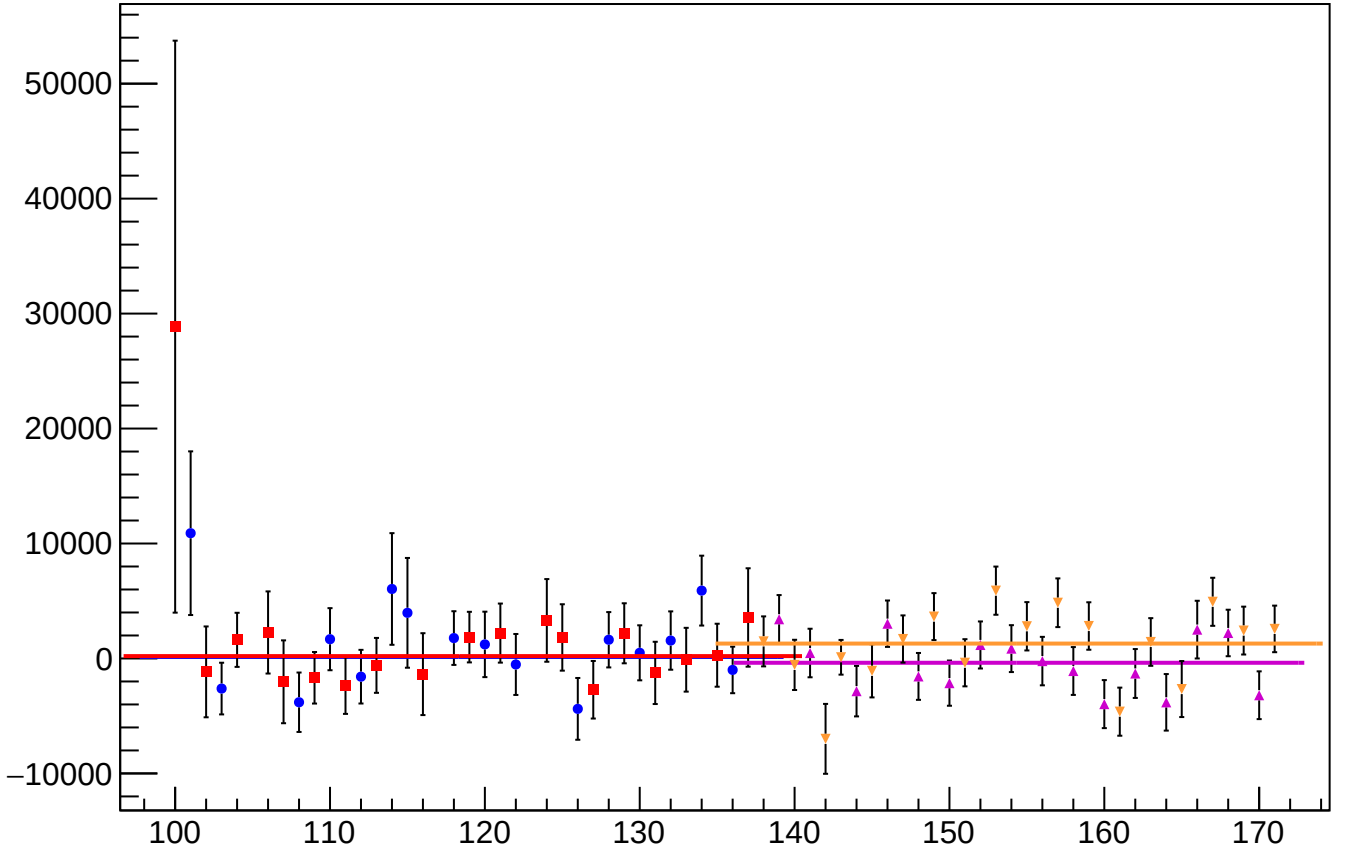
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3559.163+/-0.581 χ^2/NDF:3138708.8/31

Out: 735.104+/-0.210 χ^2/NDF:30345121.4/36

All: 1060.194+/-0.197 χ^2/NDF: 54395439.1/6

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: -374.579+/-527.905 χ^2/NDF:19.6/15

Left: 517.795+/-360.321 χ^2/NDF: 59.9/33

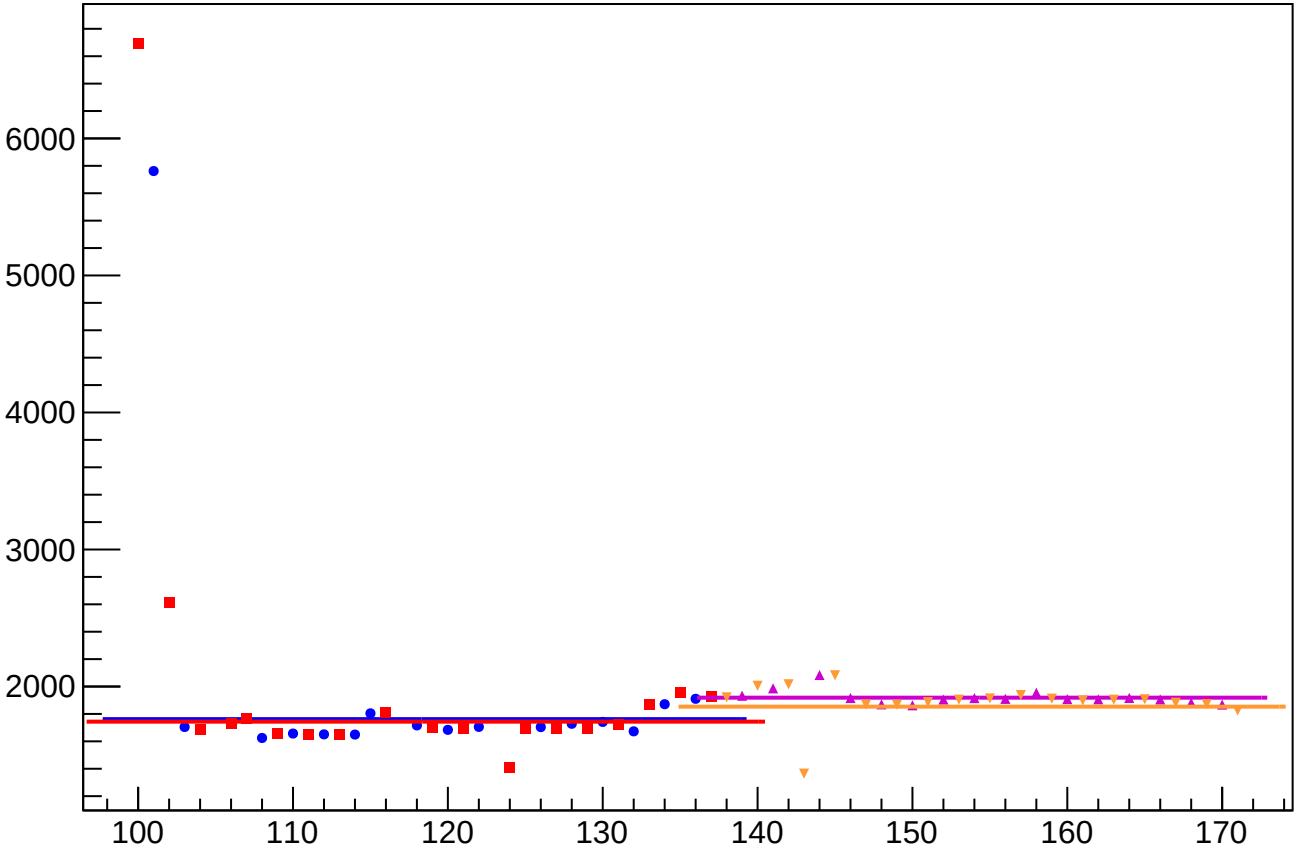
Right: 170.558+/-468.717 χ^2/NDF: 27.0/34

In: -180.422+/-415.040 χ^2/NDF:37.3/31

Out: 901.240+/-393.785 χ^2/NDF:46.4/36

All: 388.814+/-285.667 χ^2/NDF: 87.3/68

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: 1918.755+/-0.373 χ^2/NDF:18974.3/15

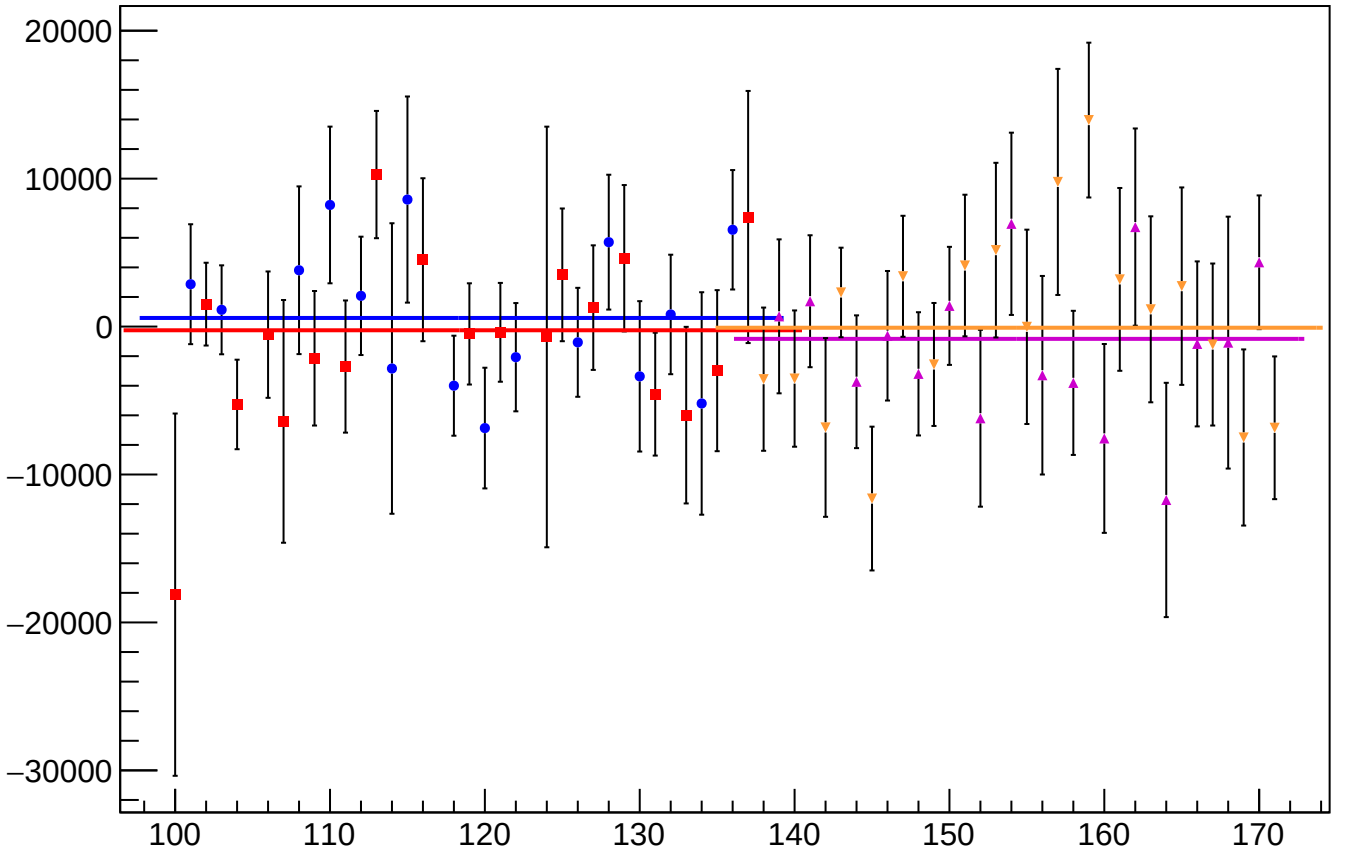
Left: 1883.704+/-0.255 χ^2/NDF: 294559.4/33

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1858.913+/-0.293 χ^2/NDF:753969.7/31

Out: 1813.375+/-0.278 χ^2/NDF:522631.3/36

All: 1834.924+/-0.202 χ^2/NDF: 1289284.1/68



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: -831.091+/-1306.264 χ^2/NDF:10.0/15

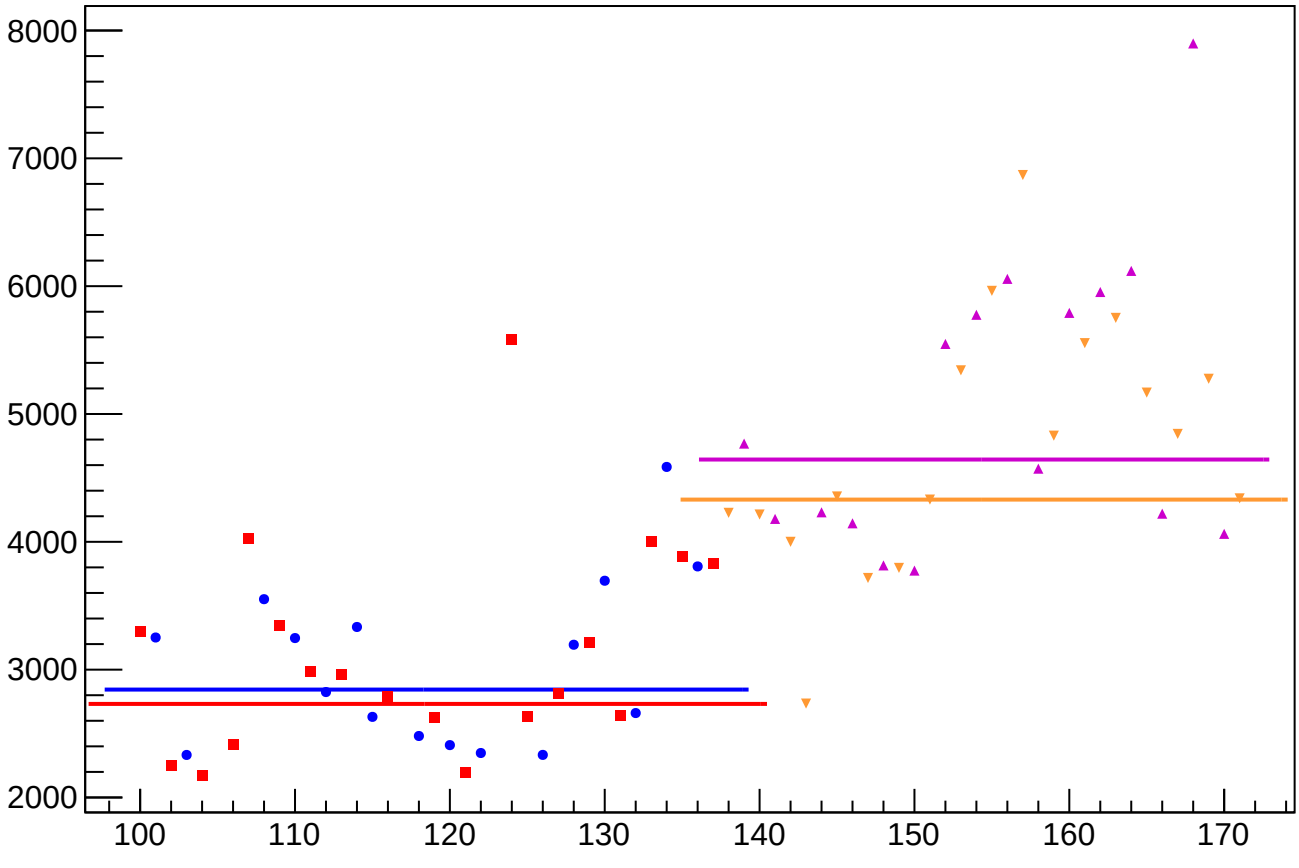
Left: -417.711+/-877.025 χ^2/NDF: 34.3/33

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 7.447+/-833.031 χ^2/NDF:25.5/31

Out: -176.914+/-773.058 χ^2/NDF:42.1/36

All: -91.608+/-566.652 χ^2/NDF: 67.6/68



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: 4643.755+/-0.924 χ^2/NDF:990476.8/15

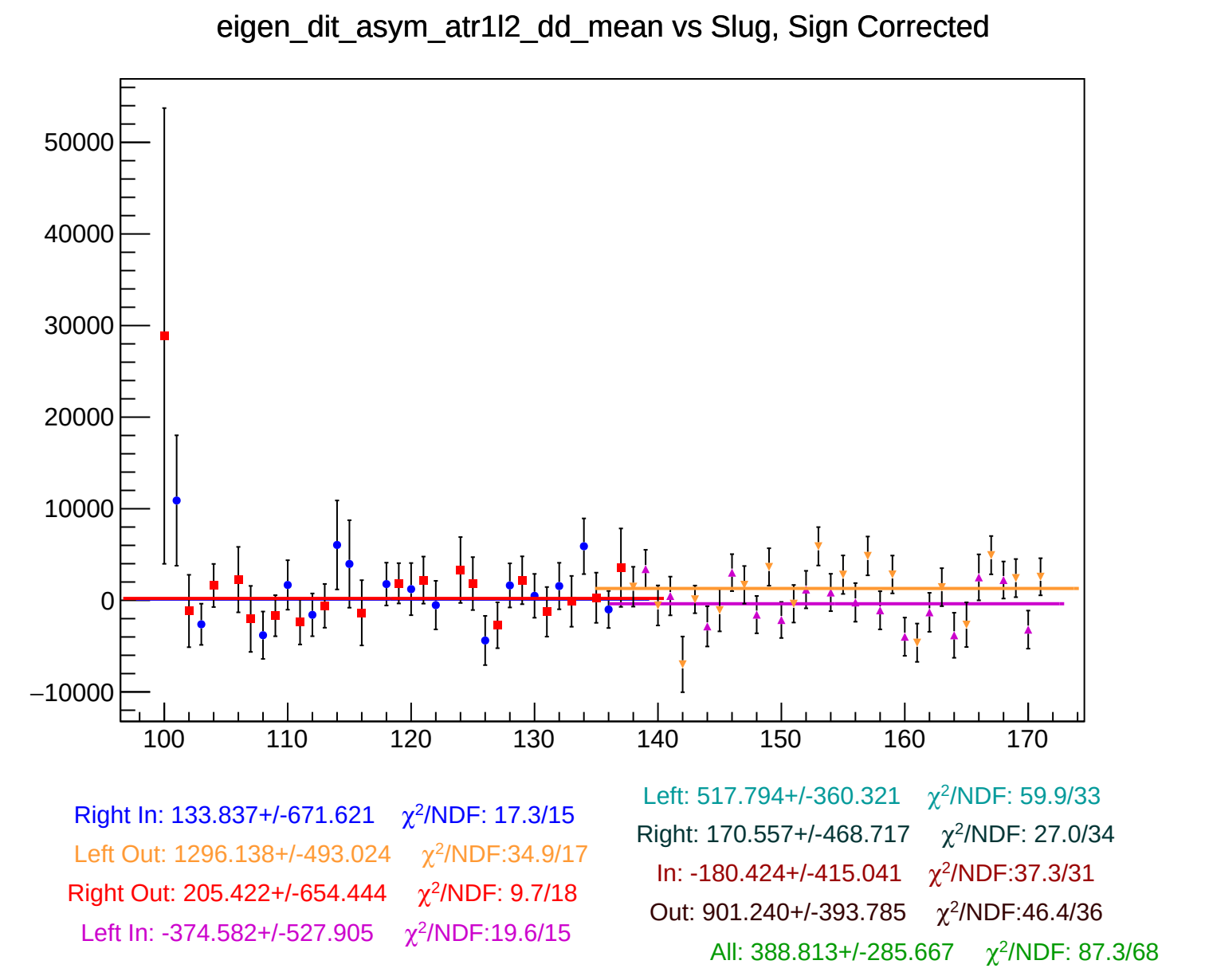
Left: 4471.629+/-0.620 χ^2/NDF: 2397479.6/33

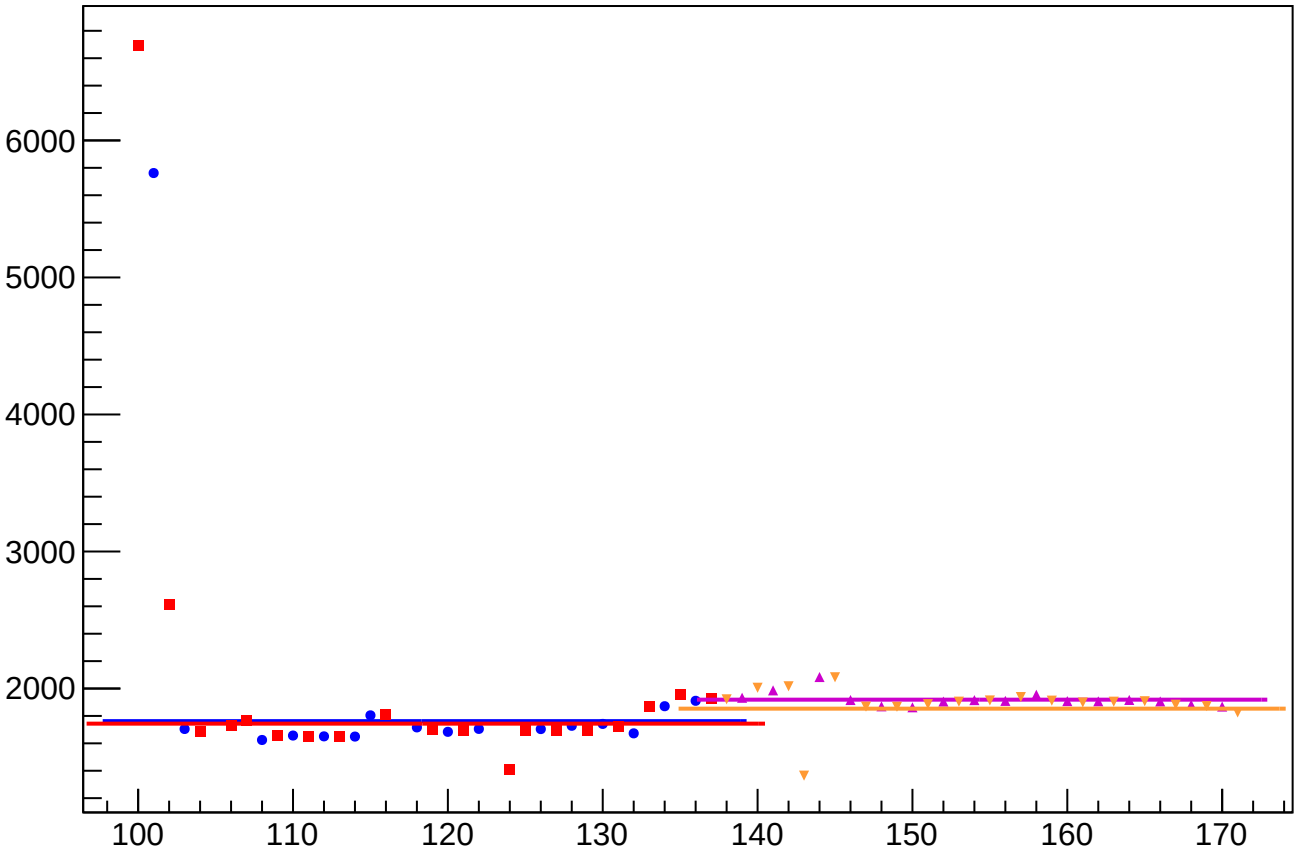
Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3576.027+/-0.589 χ^2/NDF:3784699.3/31

Out: 3414.047+/-0.547 χ^2/NDF:4046637.1/36

All: 3488.997+/-0.401 χ^2/NDF: 7871965.5/68


eigen_dit_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: 133.837+/-671.621 χ²/NDF: 17.3/15
Left Out: 1296.138+/-493.024 χ²/NDF:34.9/17
Right Out: 205.422+/-654.444 χ²/NDF: 9.7/18
Left In: -374.582+/-527.905 χ²/NDF:19.6/15
Left: 517.794+/-360.321 χ²/NDF: 59.9/33
Right: 170.557+/-468.717 χ²/NDF: 27.0/34
In: -180.424+/-415.041 χ²/NDF:37.3/31
Out: 901.240+/-393.785 χ²/NDF:46.4/36
All: 388.813+/-285.667 χ²/NDF: 87.3/68



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: 1918.756+/-0.373 χ^2/NDF:18974.5/15

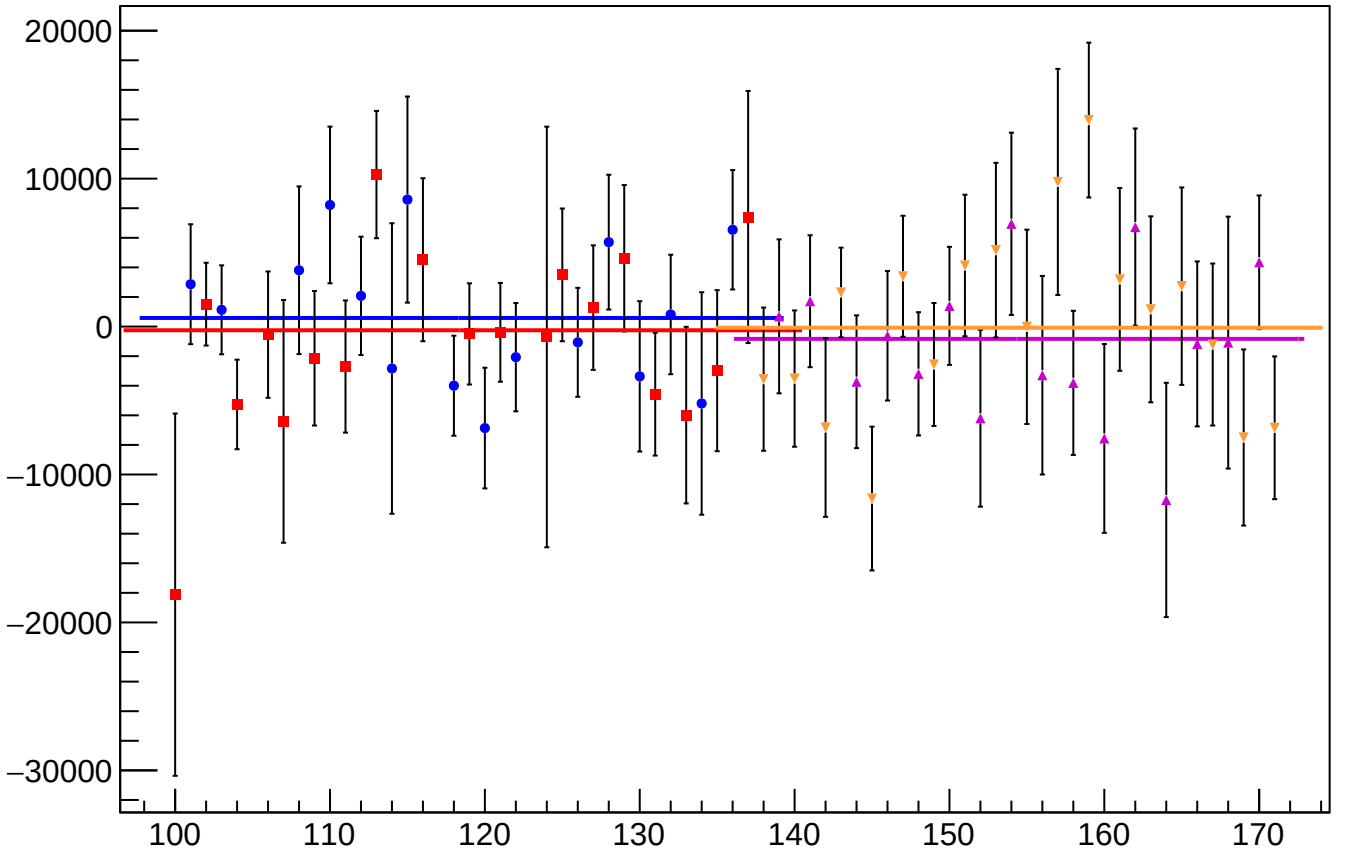
Left: 1883.705+/-0.255 χ^2/NDF: 294561.3/33

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1858.913+/-0.293 χ^2/NDF:753970.7/31

Out: 1813.375+/-0.278 χ^2/NDF:522633.0/36

All: 1834.924+/-0.202 χ^2/NDF: 1289287.1/68



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: -831.090+/-1306.266 χ^2/NDF:10.0/15

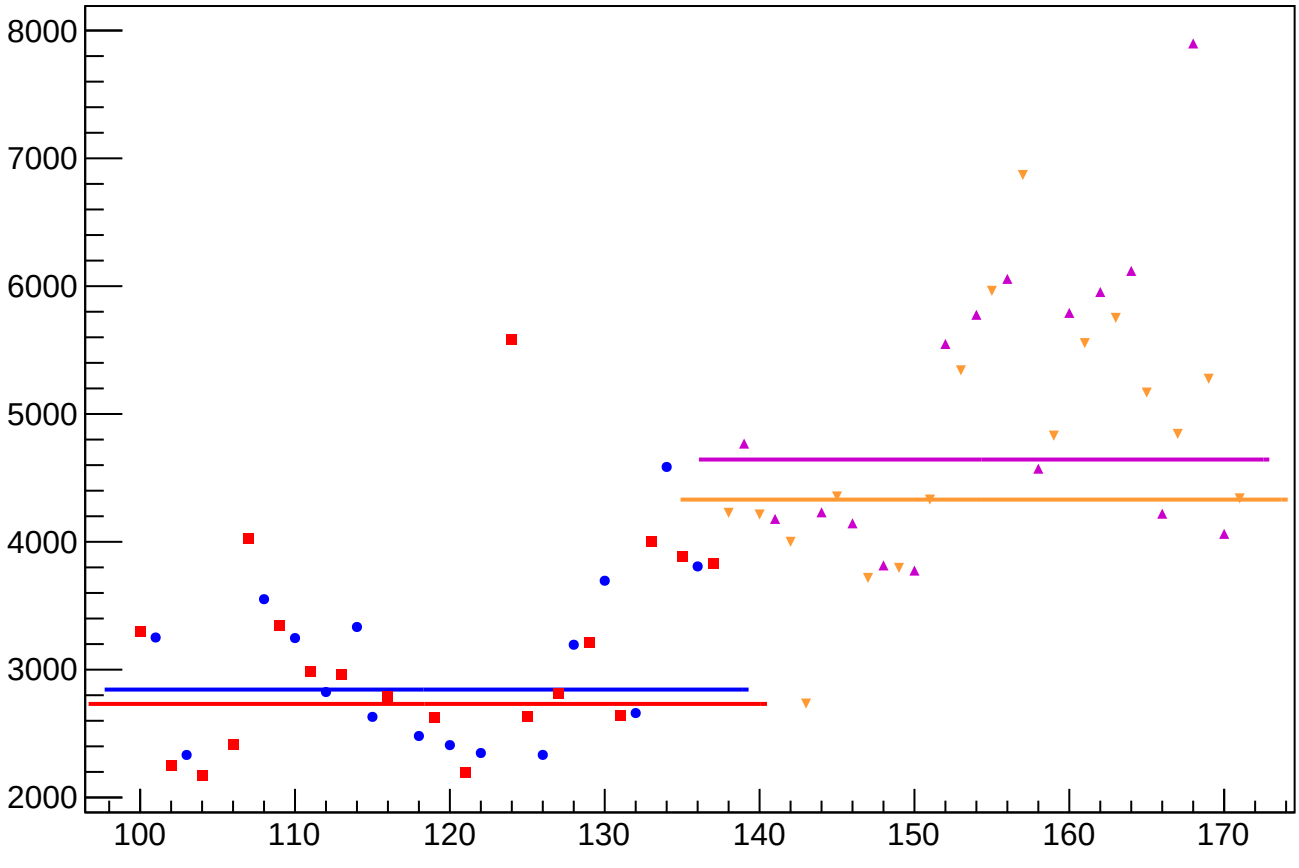
Left: -417.709+/-877.026 χ^2/NDF: 34.3/33

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 7.448+/-833.030 χ^2/NDF:25.5/31

Out: -176.914+/-773.058 χ^2/NDF:42.1/36

All: -91.608+/-566.651 χ^2/NDF: 67.6/68



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: 4643.760+/-0.924 χ^2/NDF:990479.9/15

Left: 4471.635+/-0.620 χ^2/NDF: 2397488.5/33

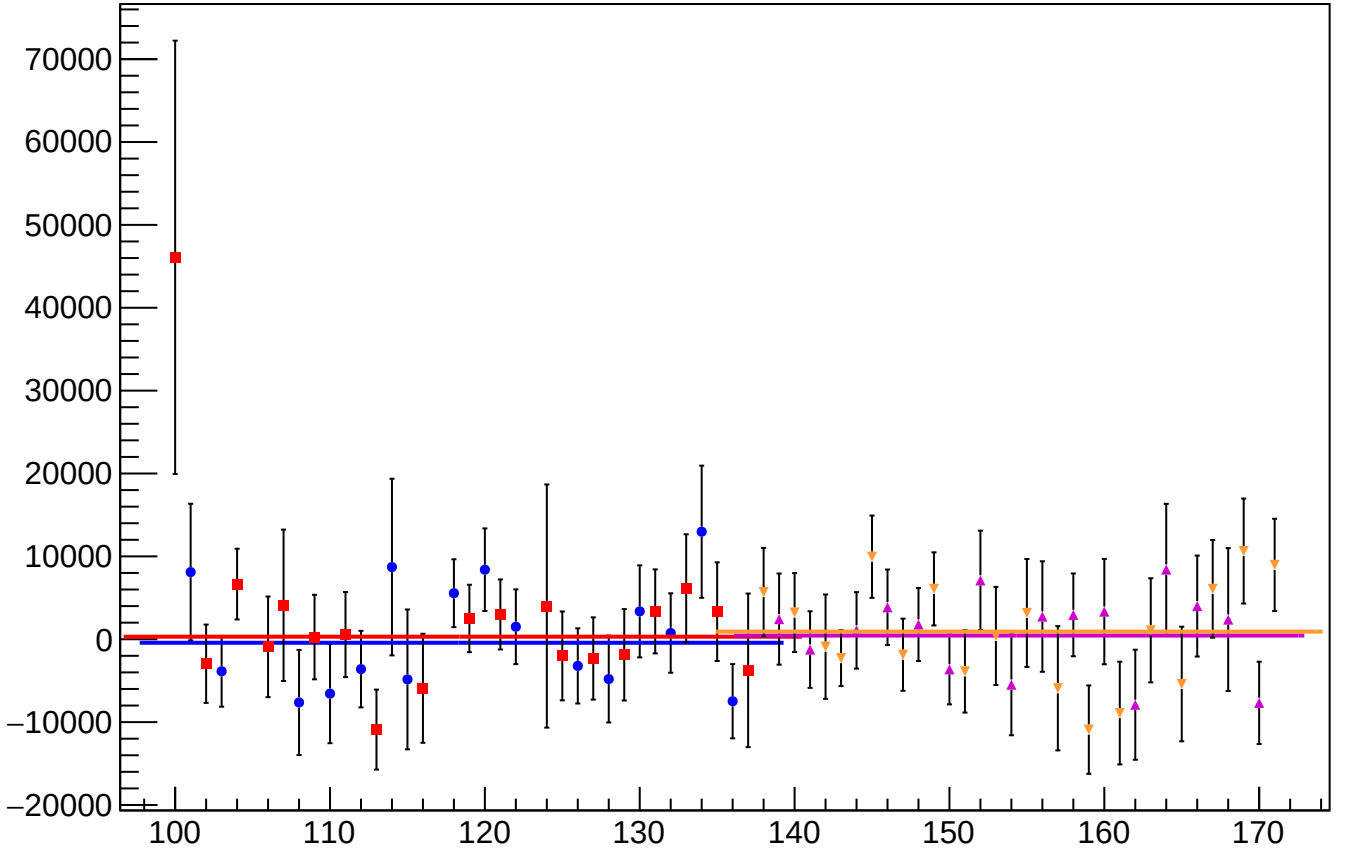
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3576.021+/-0.589 χ^2/NDF:3784741.0/31

Out: 3414.043+/-0.547 χ^2/NDF:4046669.9/36

All: 3488.992+/-0.401 χ^2/NDF: 7872039.1/68

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: 446.037+/-1355.663 χ^2/NDF:10.3/15

Left: 702.742+/-918.608 χ^2/NDF: 32.8/33

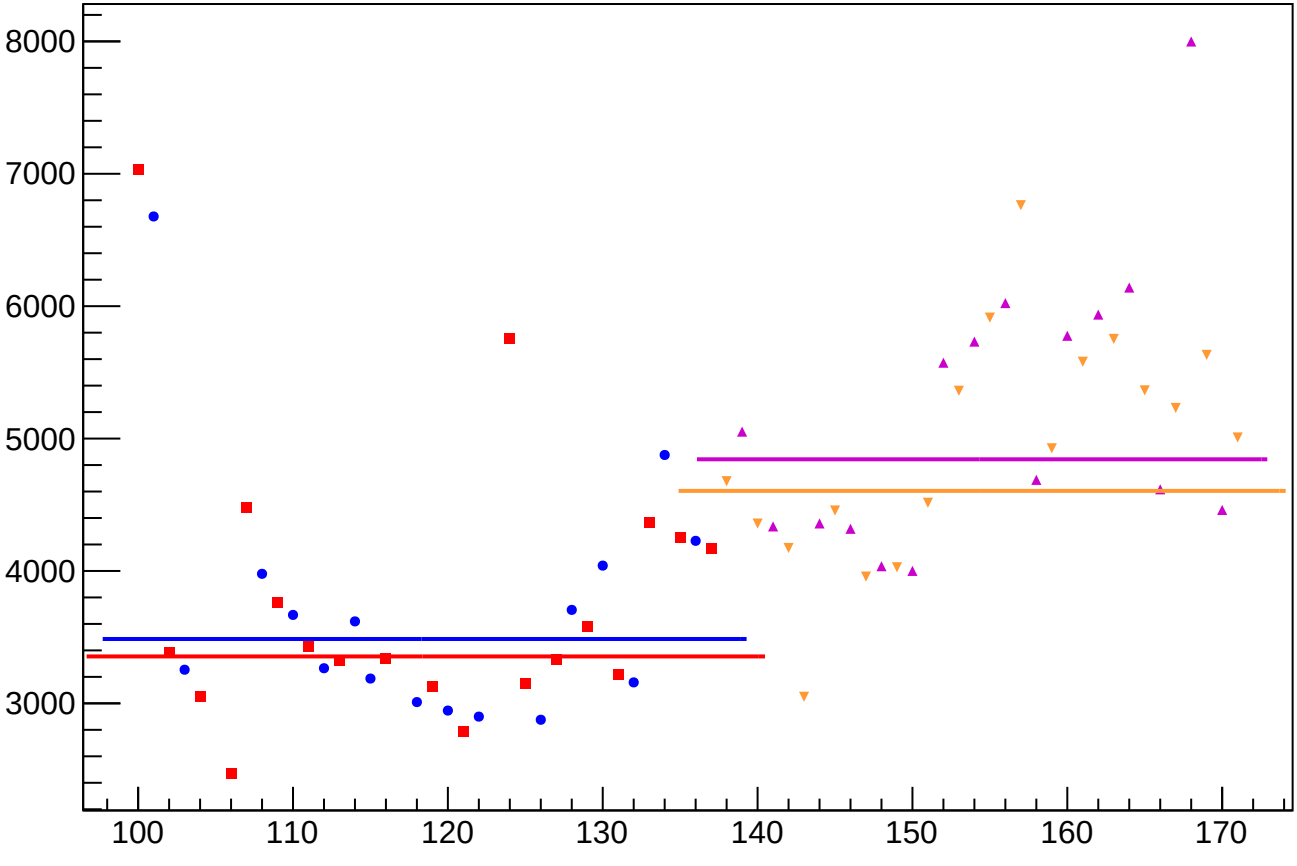
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: 2.252+/-948.396 χ^2/NDF:28.4/31

Out: 620.711+/-892.504 χ^2/NDF:37.9/36

All: 330.241+/-649.957 χ^2/NDF: 66.5/68

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: 4843.452+/-0.959 χ^2/NDF:792403.6/15

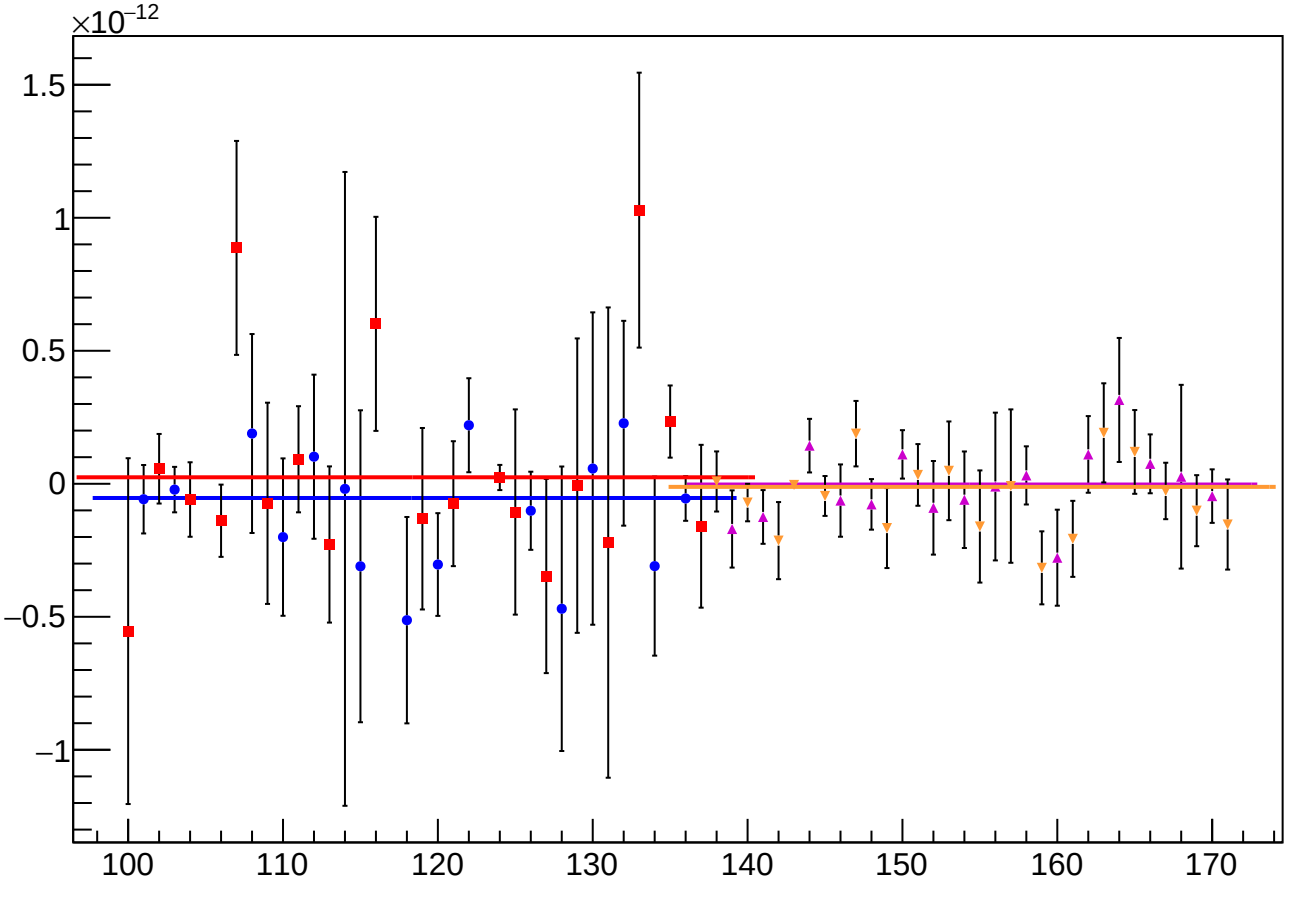
Left: 4714.440+/-0.650 χ^2/NDF: 1859036.6/33

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4150.440+/-0.671 χ^2/NDF:2411814.2/31

Out: 3984.083+/-0.627 χ^2/NDF:2404740.1/36

All: 4061.642+/-0.458 χ^2/NDF: 4849401.2/68



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:13.2/15

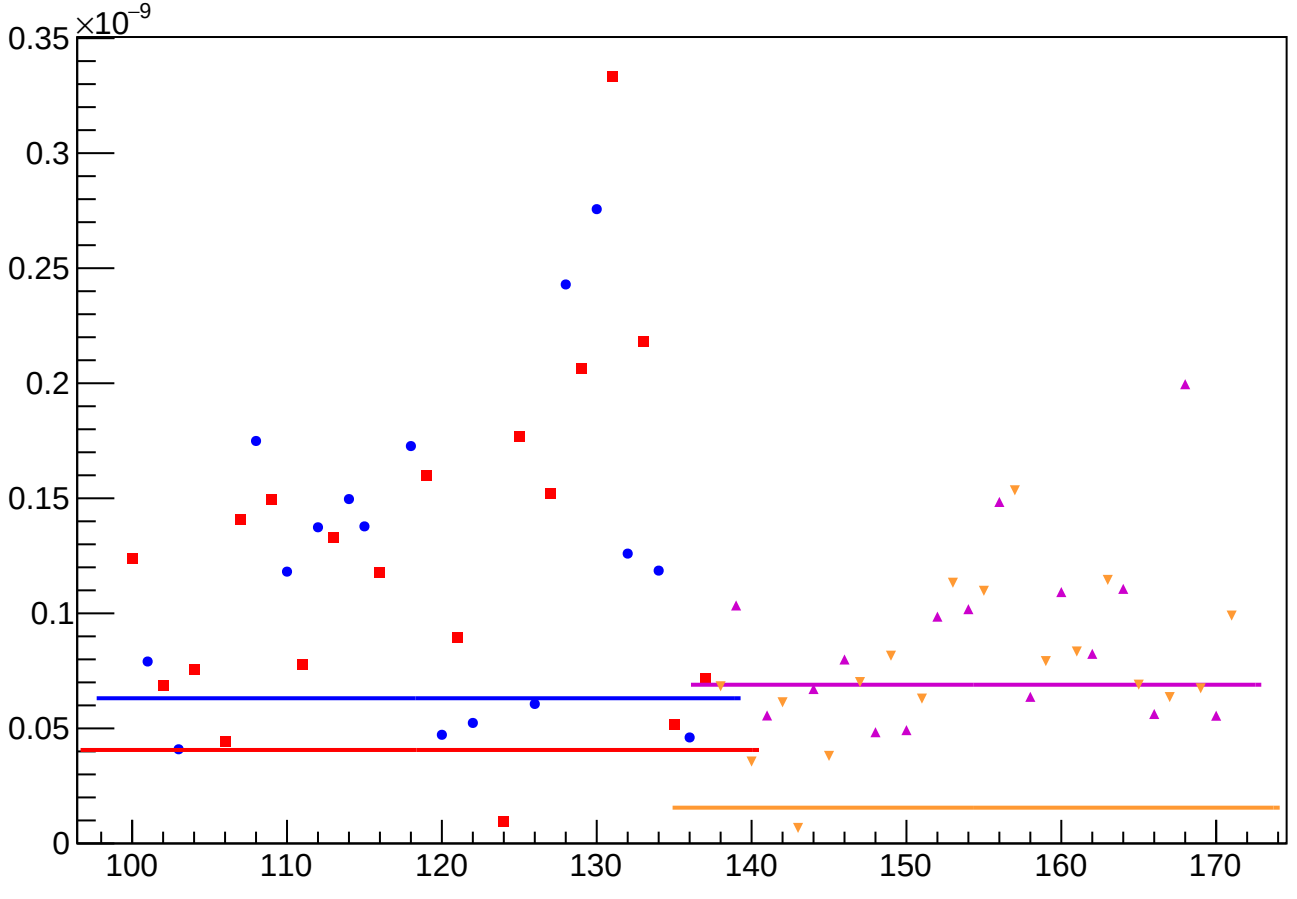
Left: -0.000+/-0.000 χ^2/NDF: 30.8/33

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:22.6/31

Out: -0.000+/-0.000 χ^2/NDF:36.8/36

All: -0.000+/-0.000 χ^2/NDF: 59.6/68



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:1168849.0/15

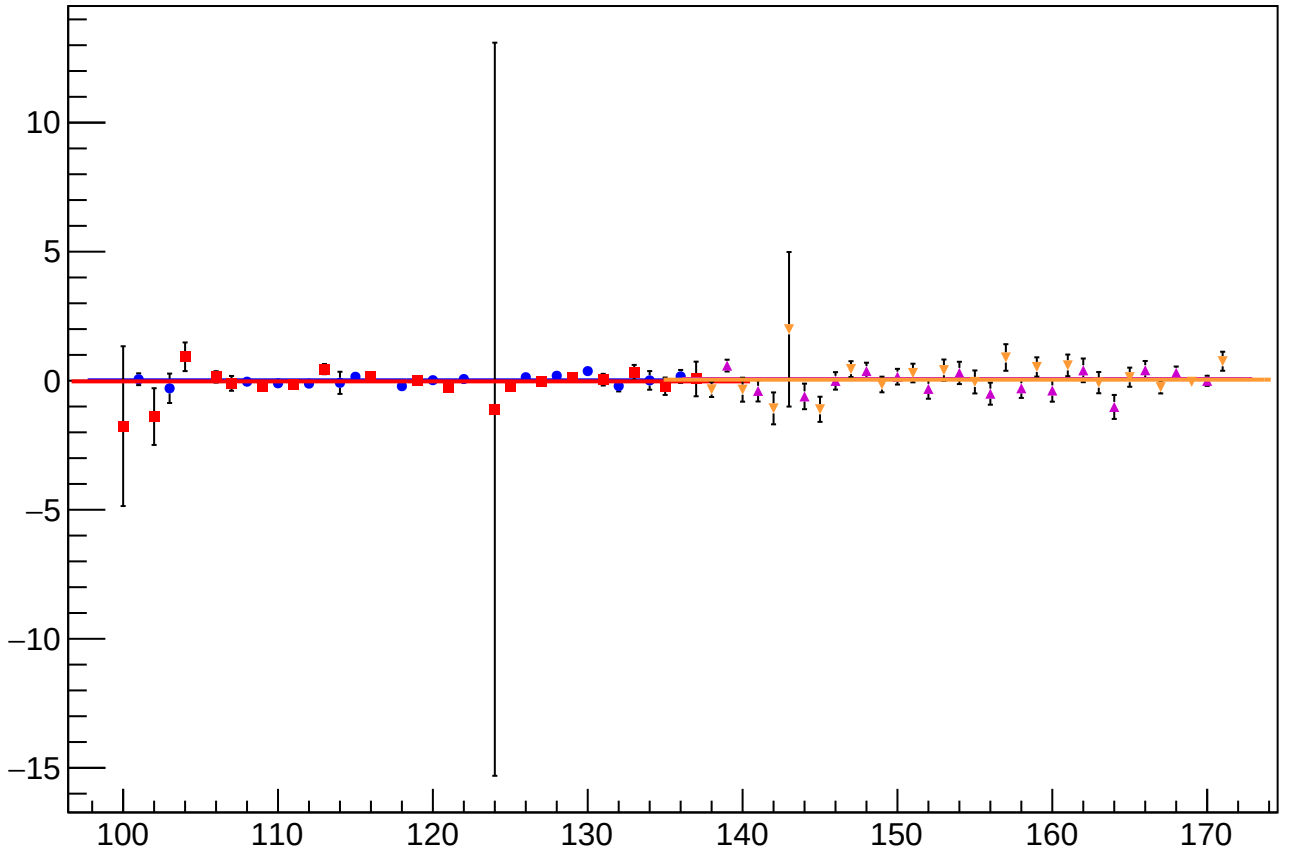
Left: 0.000+/-0.000 χ^2/NDF: 13370671.1/33

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2623830.4/31

Out: 0.000+/-0.000 χ^2/NDF:11367868.5/36

All: 0.000+/-0.000 χ^2/NDF: 19960524.1/68



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: 0.065+/-0.082 χ^2/NDF:22.4/15

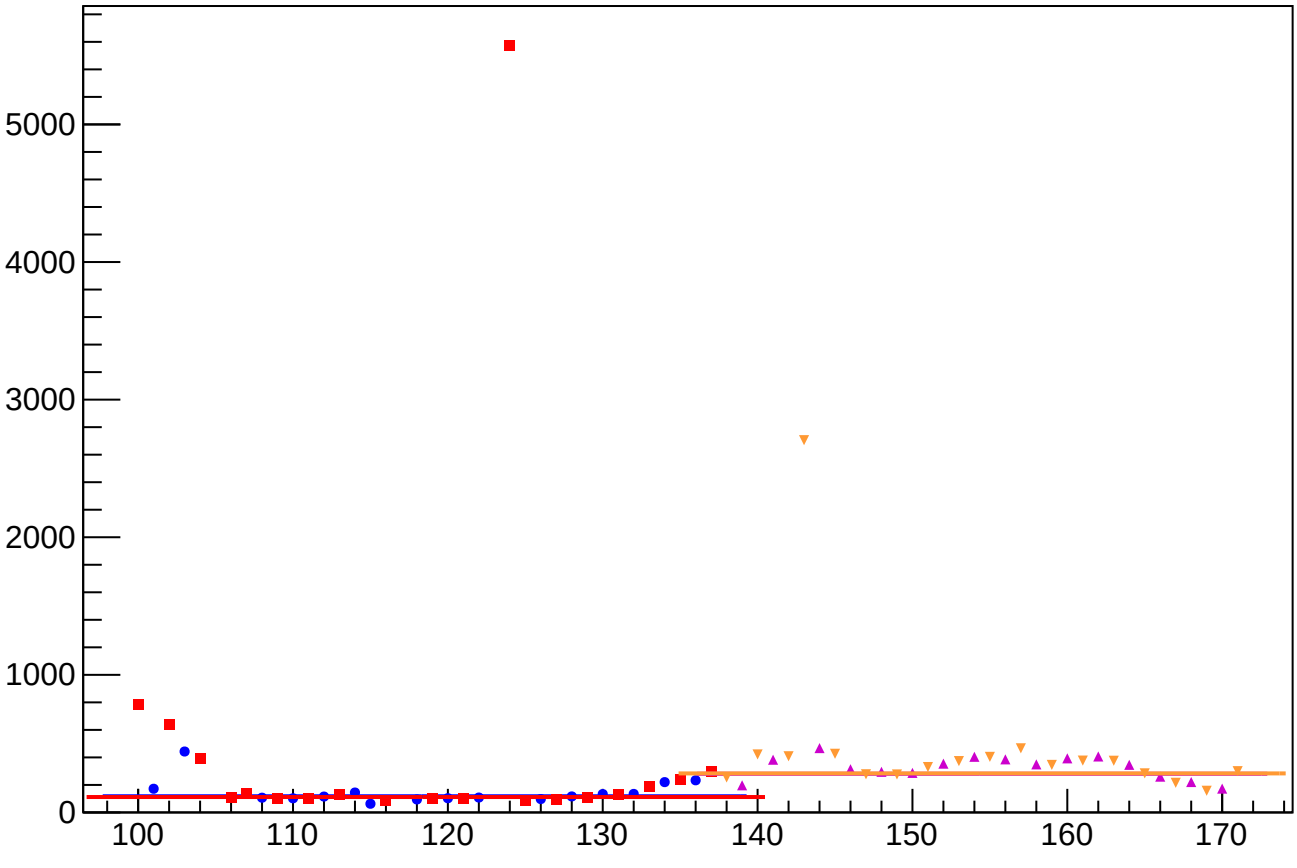
Left: 0.053+/-0.058 χ^2/NDF: 49.2/33

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/68



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: 281.040+/-0.058 χ^2/NDF:2183824.2/15

Left: 282.389+/-0.041 χ^2/NDF: 5890219.0/33

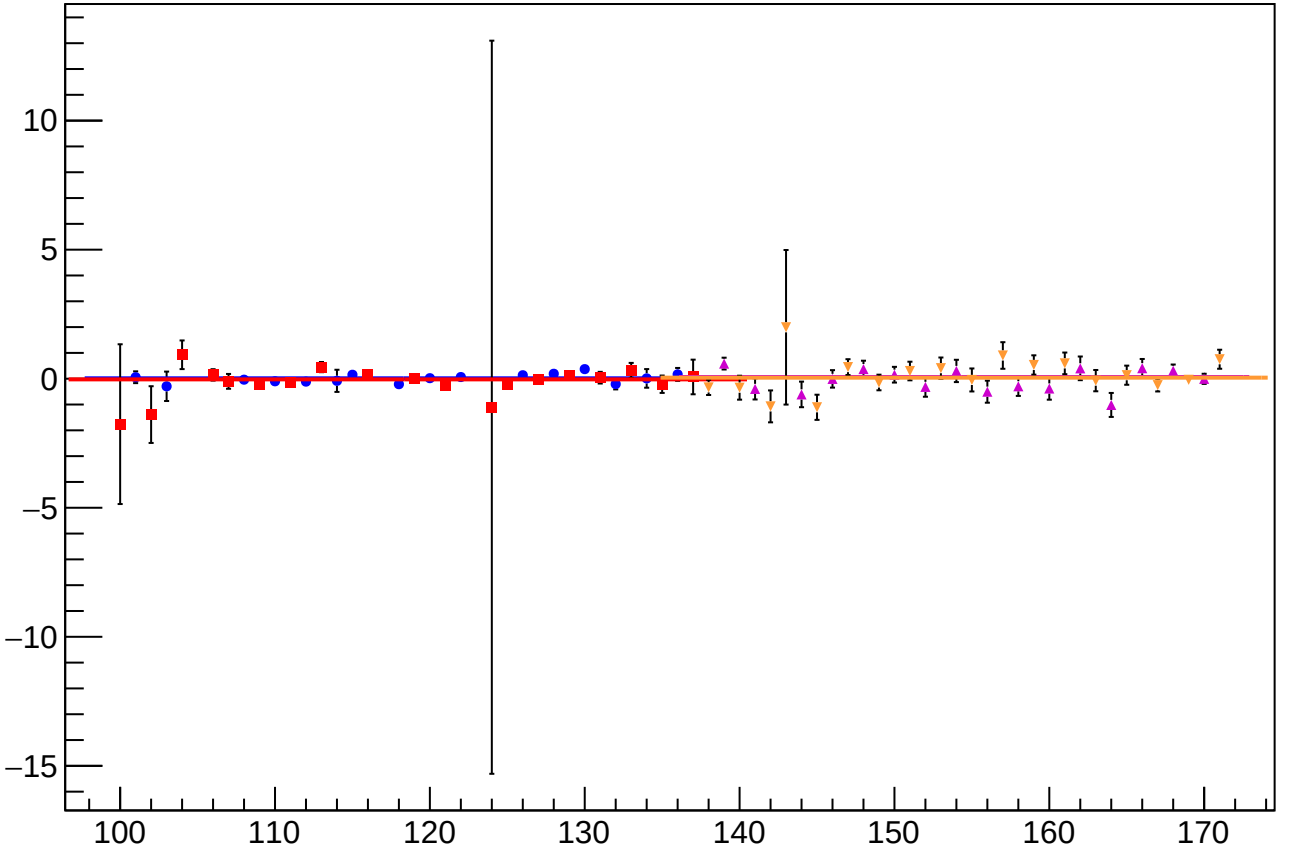
Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 159.216+/-0.029 χ^2/NDF:9828036.6/31

Out: 154.387+/-0.029 χ^2/NDF:12502556.5/36

All: 156.761+/-0.021 χ^2/NDF: 22344458.5/68

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: 0.065+/-0.082 χ^2/NDF:22.4/15

Left: 0.053+/-0.058 χ^2/NDF: 49.2/33

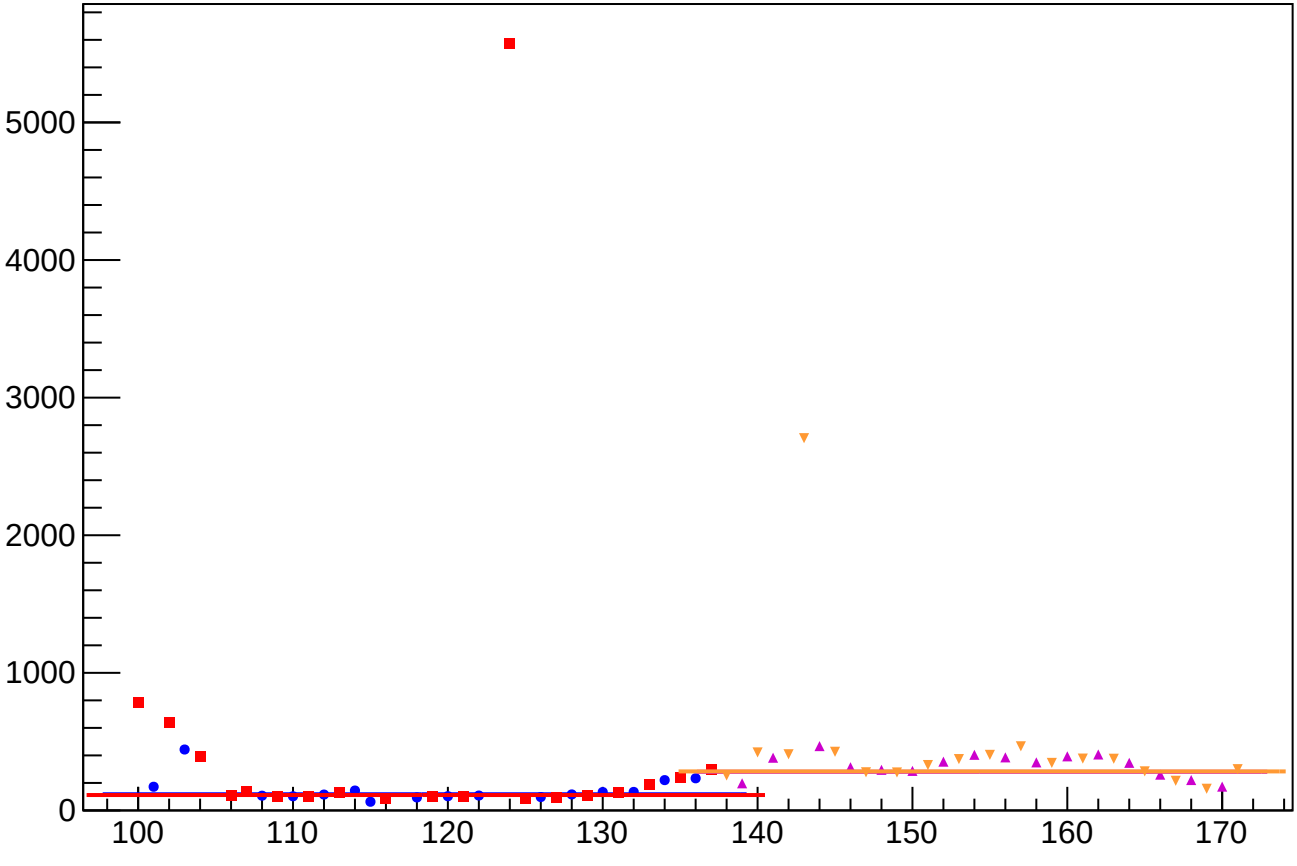
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/68

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: 281.040+/-0.058 χ^2/NDF:2183824.2/15

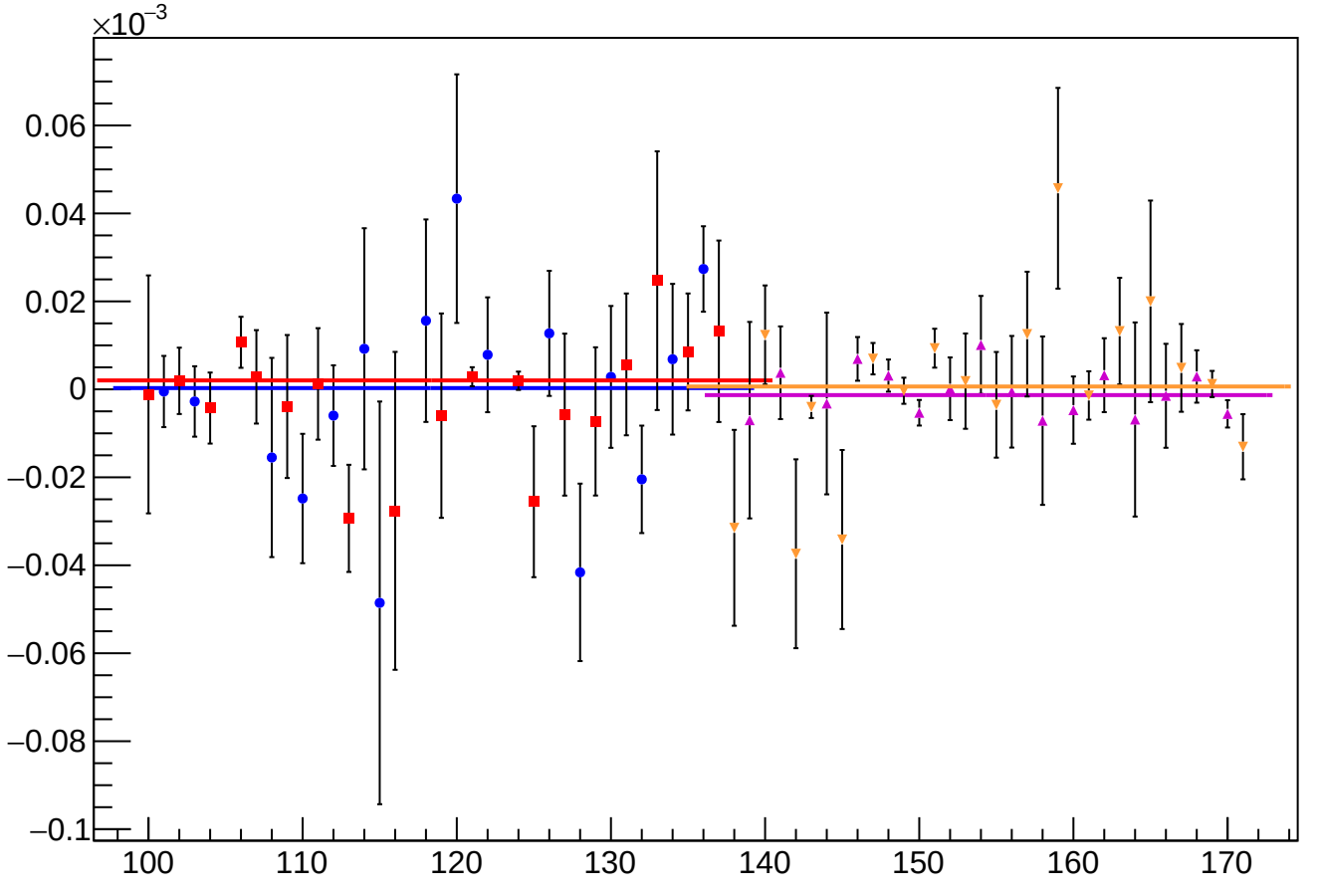
Left: 282.389+/-0.041 χ^2/NDF: 5890219.0/33

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 159.216+/-0.029 χ^2/NDF:9828036.6/31

Out: 154.387+/-0.029 χ^2/NDF:12502556.5/36

All: 156.761+/-0.021 χ^2/NDF: 22344458.5/68



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:10.6/15

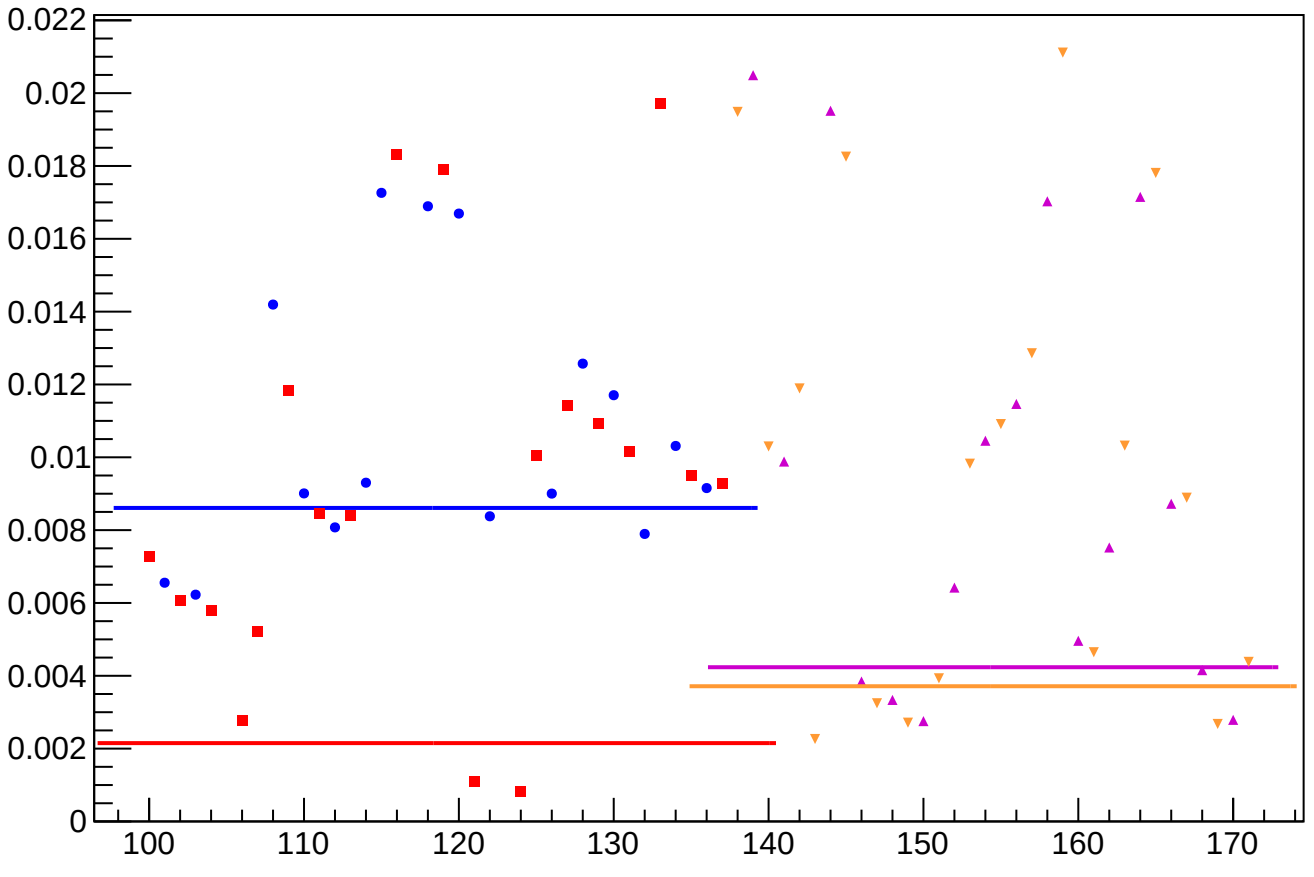
Left: -0.000+/-0.000 χ^2/NDF: 41.6/33

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:34.8/31

Out: 0.000+/-0.000 χ^2/NDF:45.4/36

All: 0.000+/-0.000 χ^2/NDF: 82.3/68



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:7462980.3/15

Left: 0.004+/-0.000 χ^2/NDF: 17087208.2/33

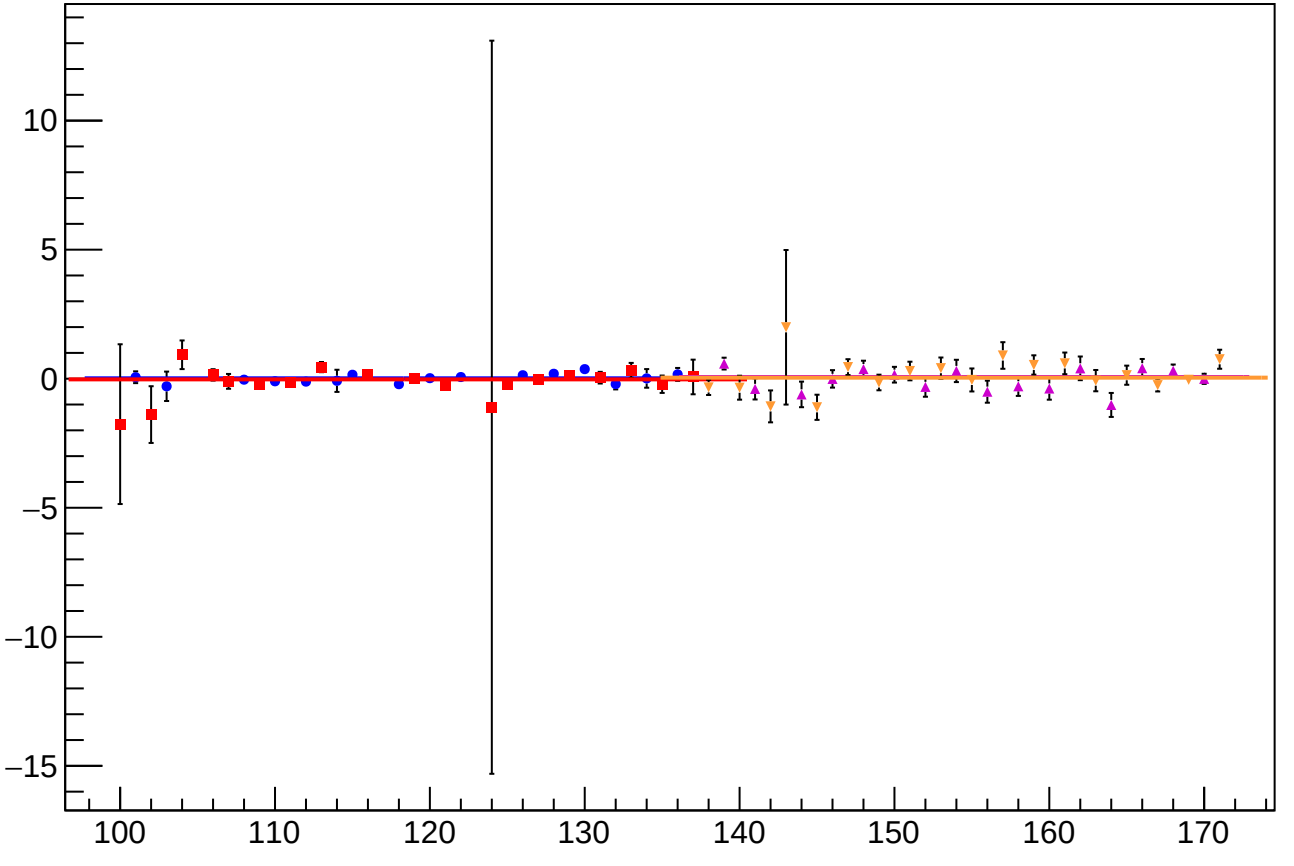
Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:11395046.7/31

Out: 0.003+/-0.000 χ^2/NDF:20002111.8/36

All: 0.004+/-0.000 χ^2/NDF: 34284377.1/68

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: 0.065+/-0.082 χ^2/NDF:22.4/15

Left: 0.053+/-0.058 χ^2/NDF: 49.2/33

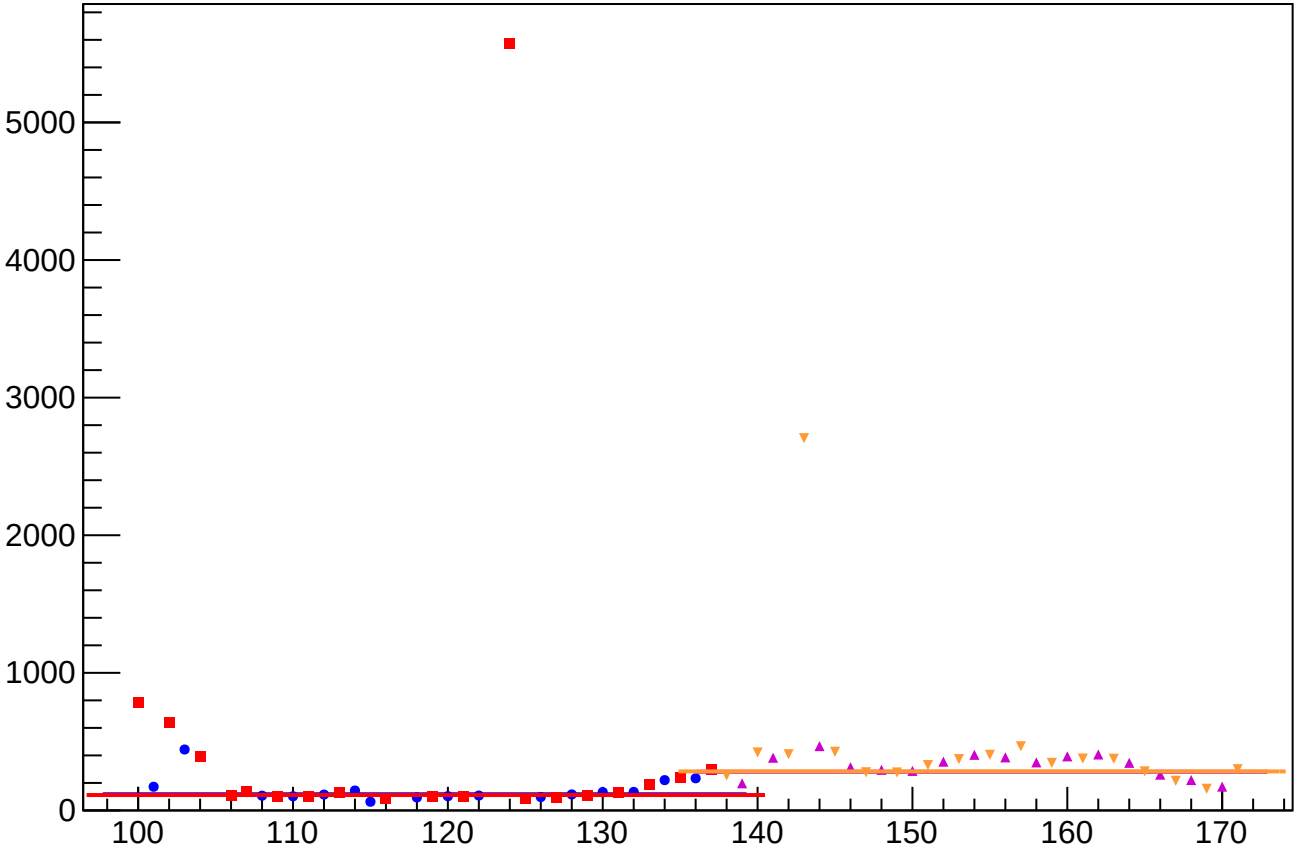
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/68

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: 281.044+/-0.058 χ^2/NDF:2183851.1/15

Left: 282.392+/-0.041 χ^2/NDF: 5890338.7/33

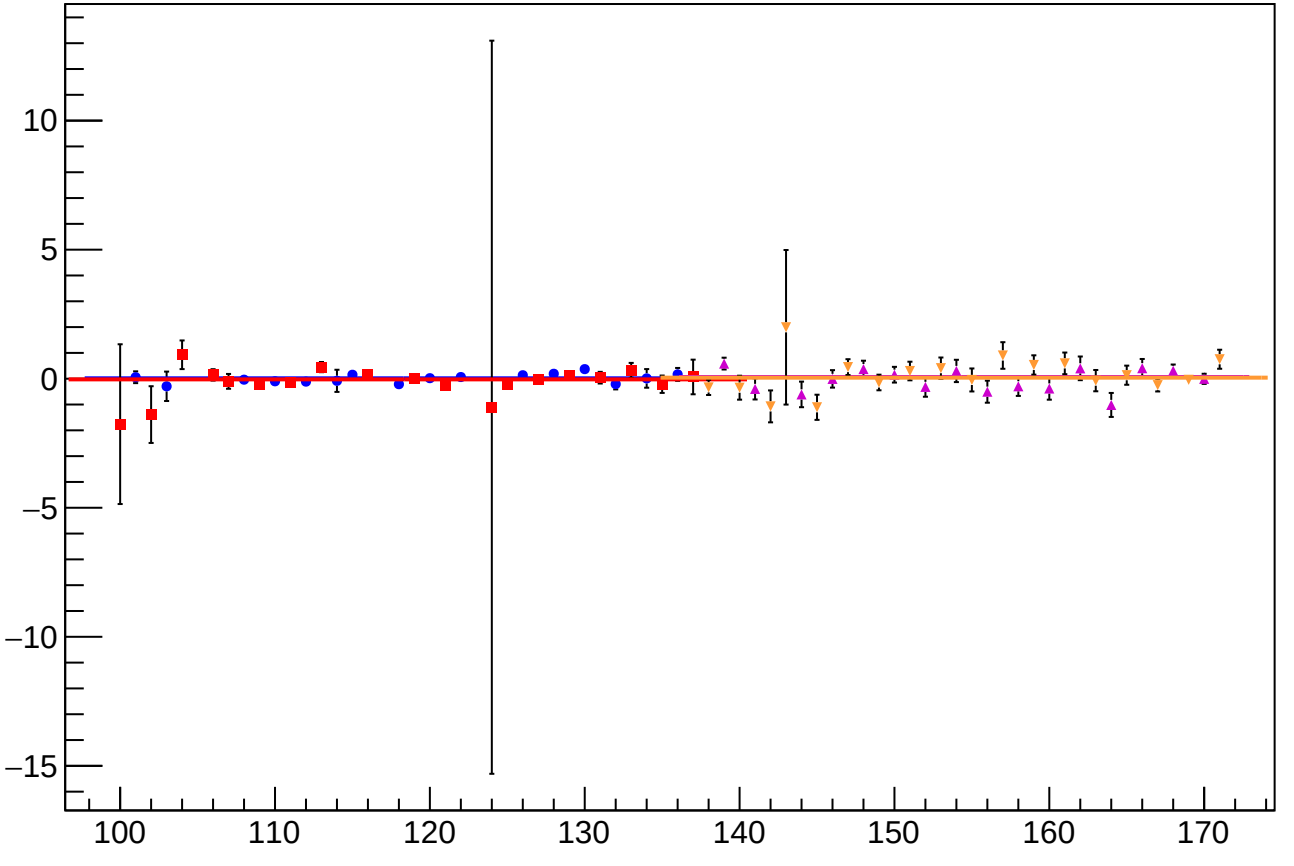
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 159.216+/-0.029 χ^2/NDF:9828164.9/31

Out: 154.389+/-0.029 χ^2/NDF:12502496.4/36

All: 156.762+/-0.021 χ^2/NDF: 22344516.1/68

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: 0.065+/-0.082 χ^2/NDF:22.4/15

Left: 0.053+/-0.058 χ^2/NDF: 49.2/33

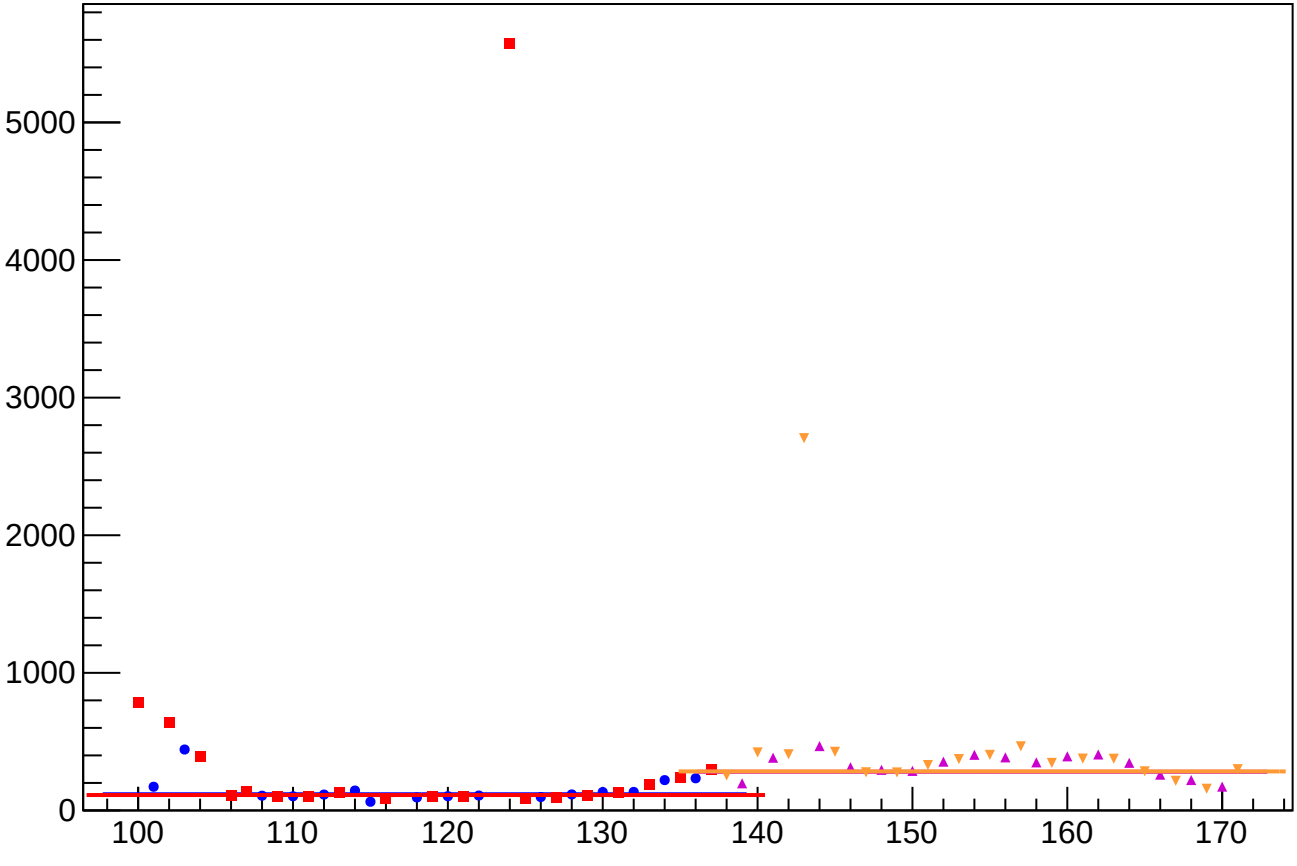
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.028+/-0.041 χ^2/NDF:34.4/31

Out: -0.009+/-0.041 χ^2/NDF:49.4/36

All: 0.009+/-0.029 χ^2/NDF: 84.3/68

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: 281.044+/-0.058 χ^2/NDF:2183851.1/15

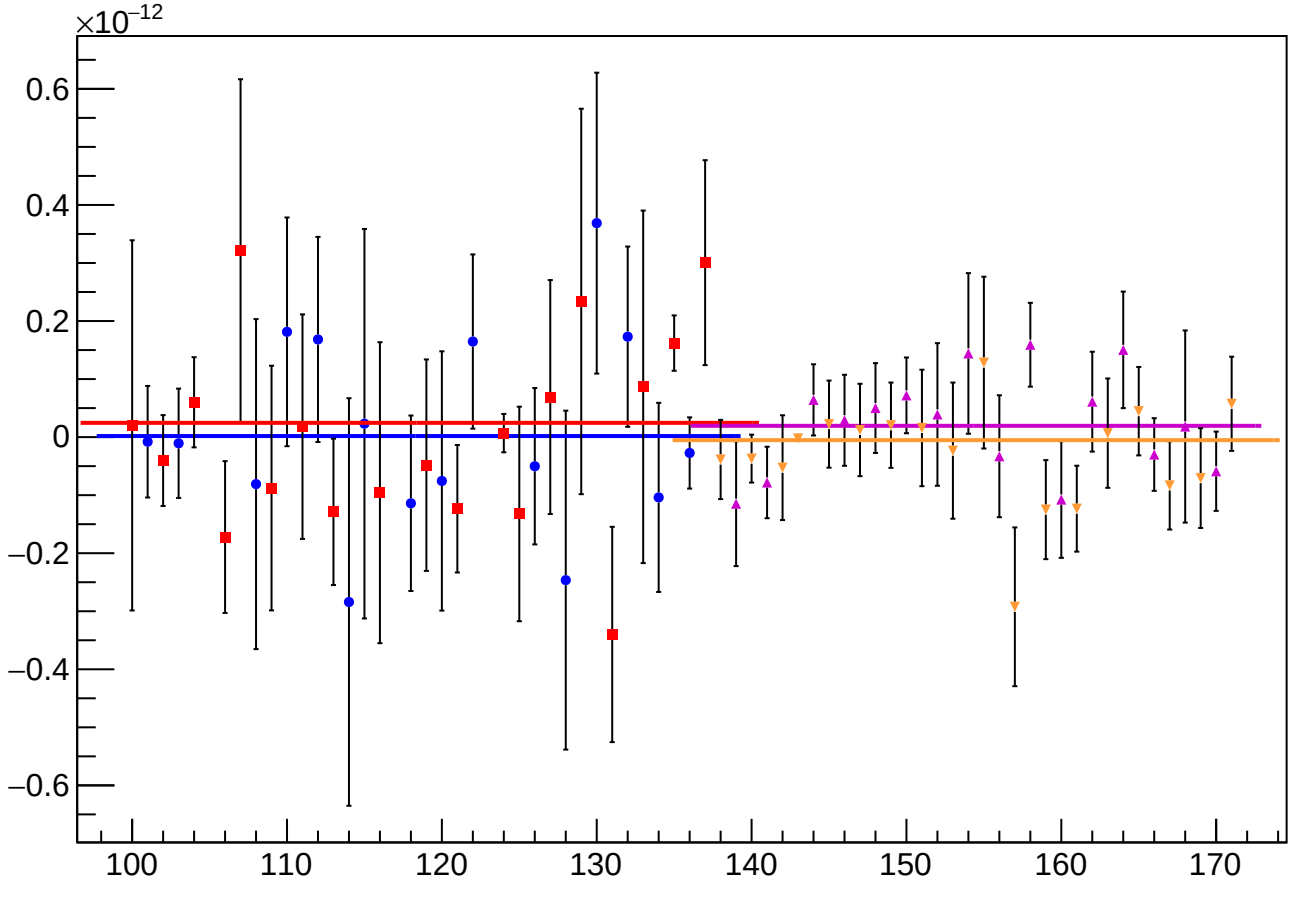
Left: 282.392+/-0.041 χ^2/NDF: 5890338.7/33

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 159.216+/-0.029 χ^2/NDF:9828164.9/31

Out: 154.389+/-0.029 χ^2/NDF:12502496.4/36

All: 156.762+/-0.021 χ^2/NDF: 22344516.1/68



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:15.7/15

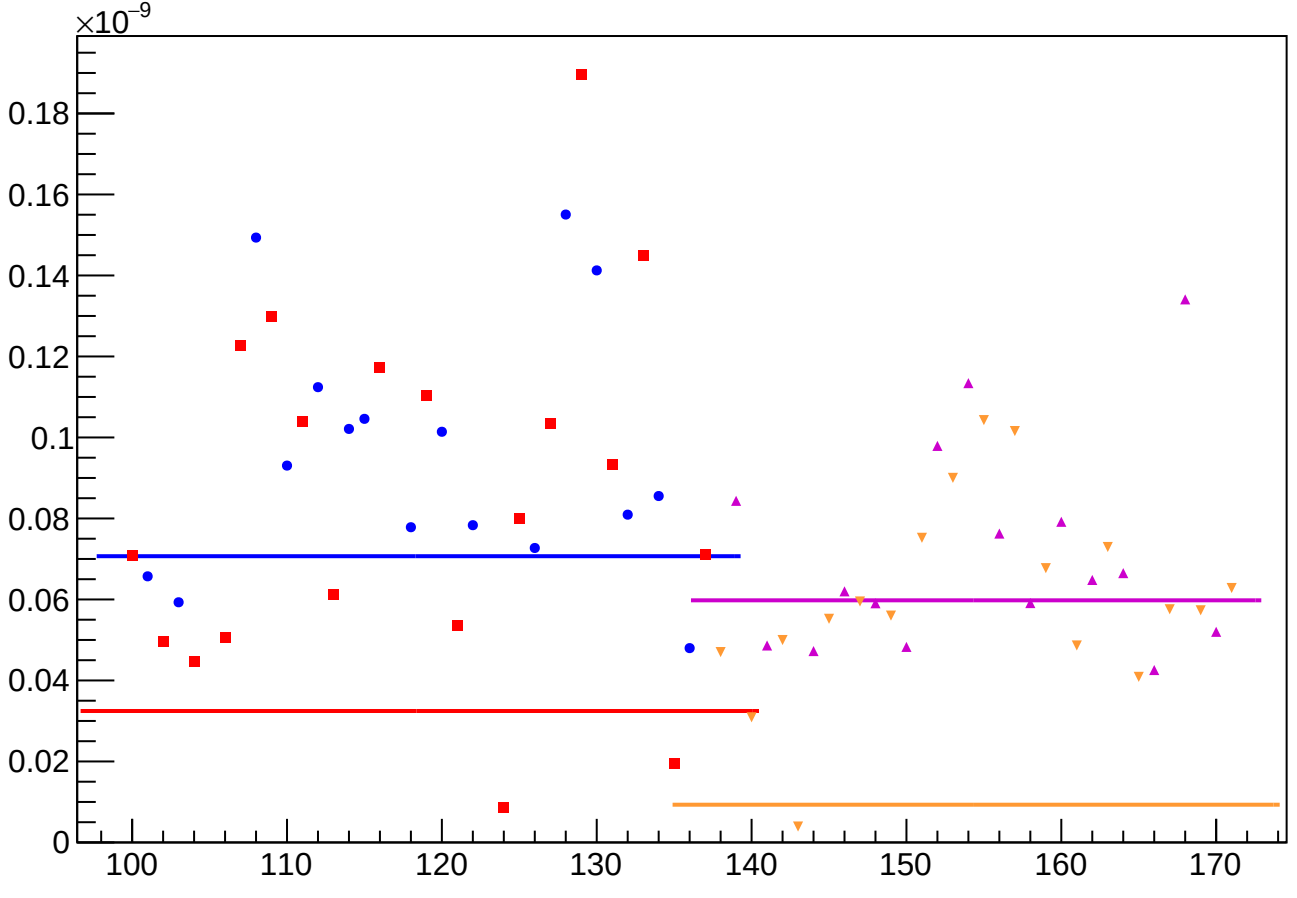
Left: -0.000+/-0.000 χ^2/NDF: 31.2/33

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.0/31

Out: -0.000+/-0.000 χ^2/NDF:40.1/36

All: -0.000+/-0.000 χ^2/NDF: 66.0/68



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:1530593.9/15

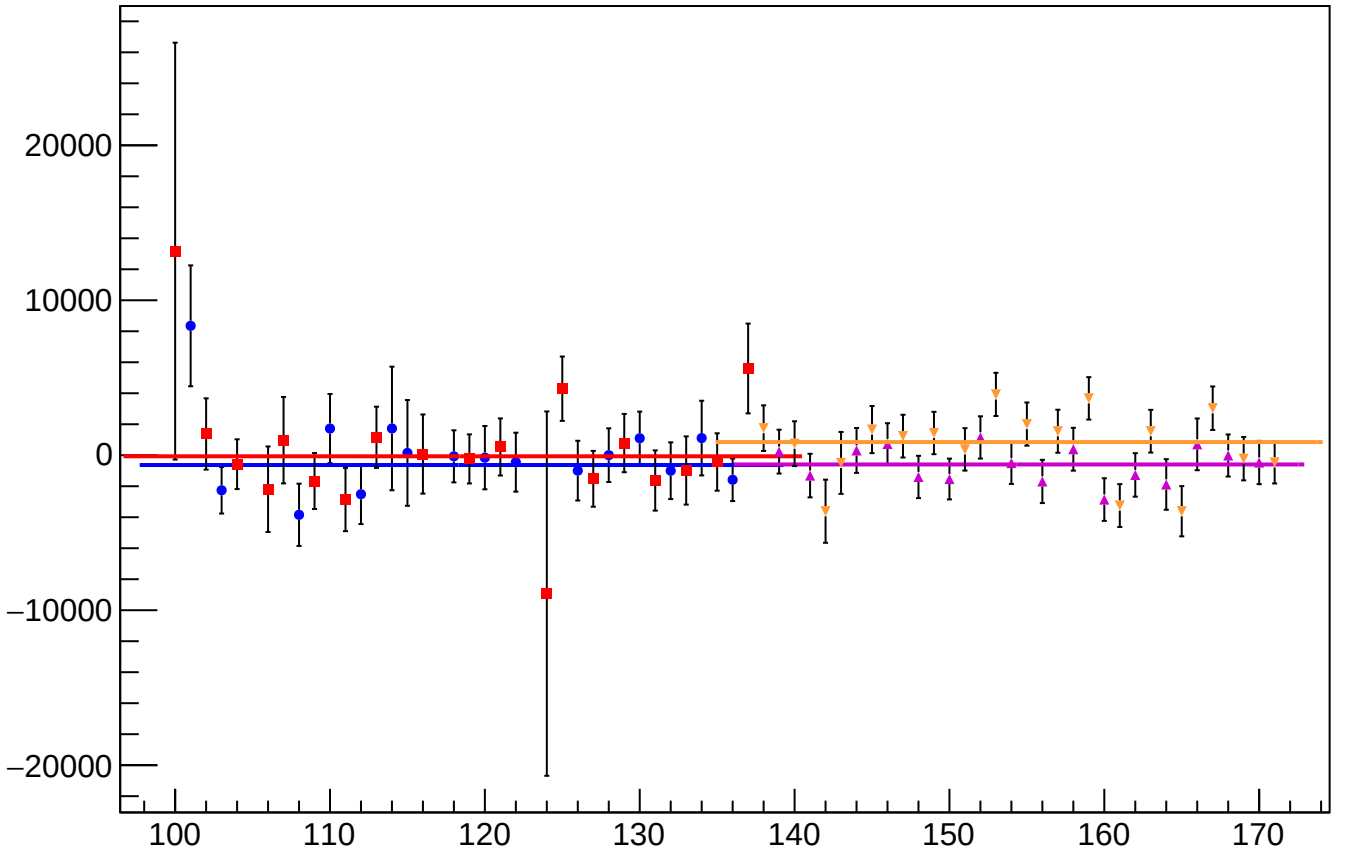
Left: 0.000+/-0.000 χ^2/NDF: 26638542.3/33

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2702719.2/31

Out: 0.000+/-0.000 χ^2/NDF:20402622.1/36

All: 0.000+/-0.000 χ^2/NDF: 38594811.1/68



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: -594.475+/-351.364 χ^2/NDF:9.9/15

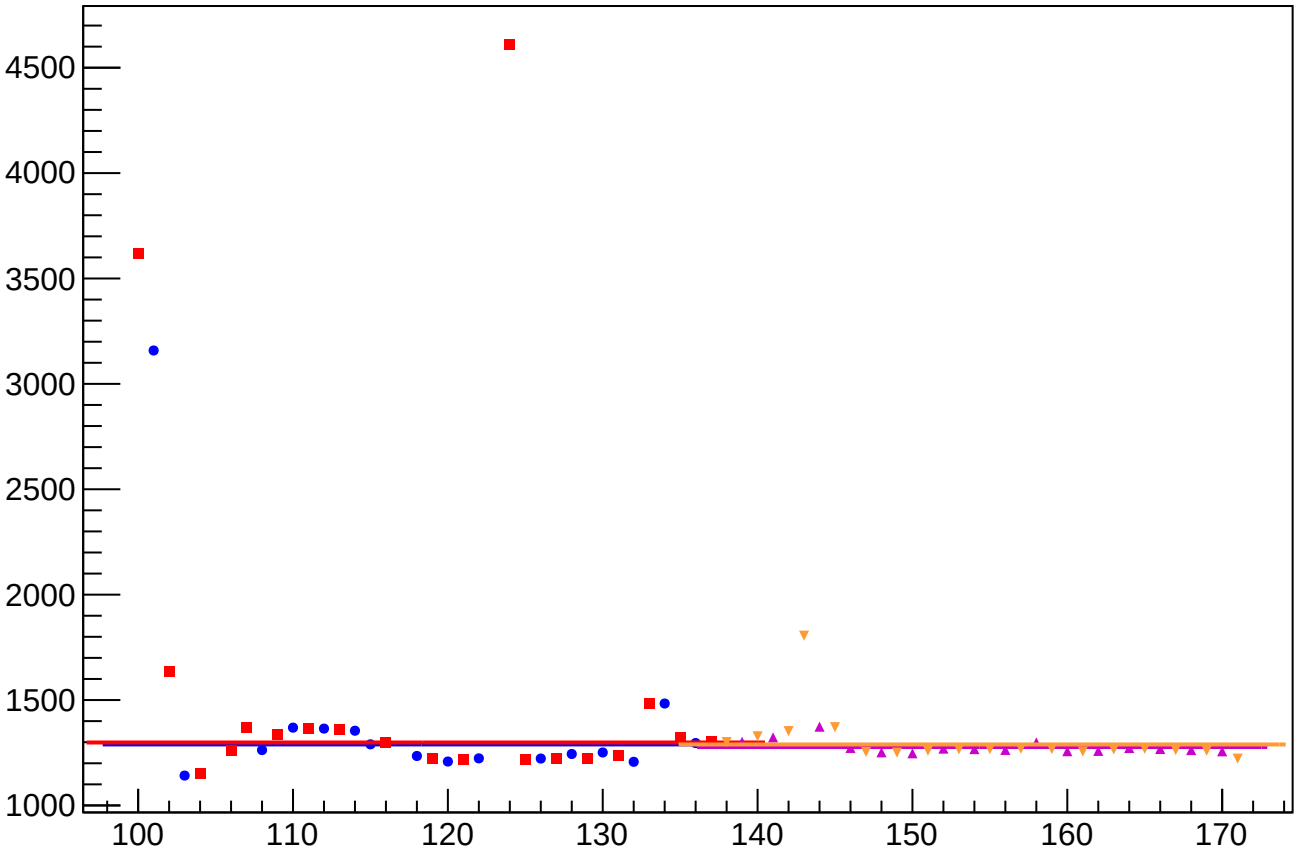
Left: 146.314+/-245.203 χ^2/NDF: 55.5/33

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -606.937+/-285.275 χ^2/NDF:23.9/31

Out: 546.856+/-280.216 χ^2/NDF:55.2/36

All: -19.720+/-199.907 χ^2/NDF: 87.3/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

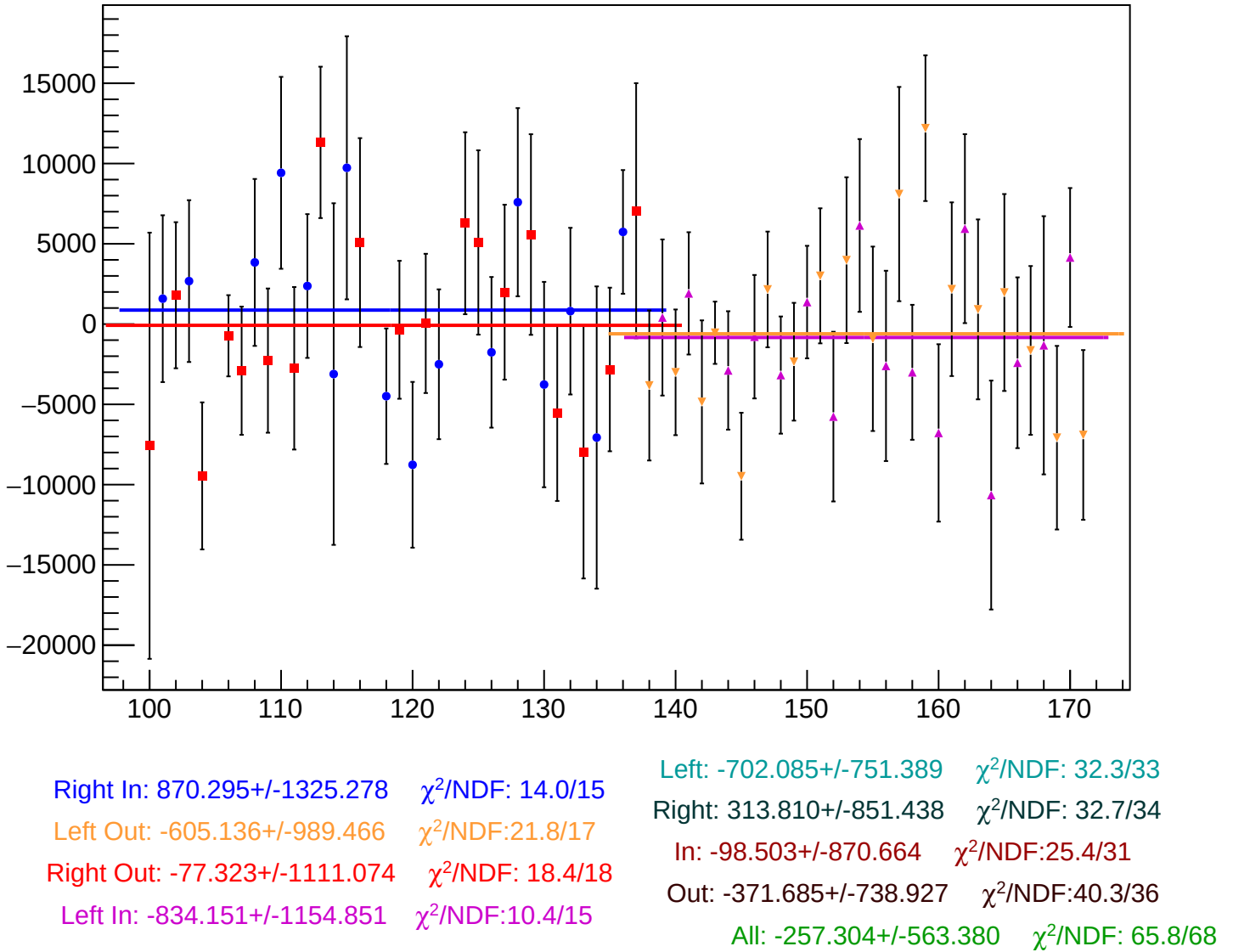
Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

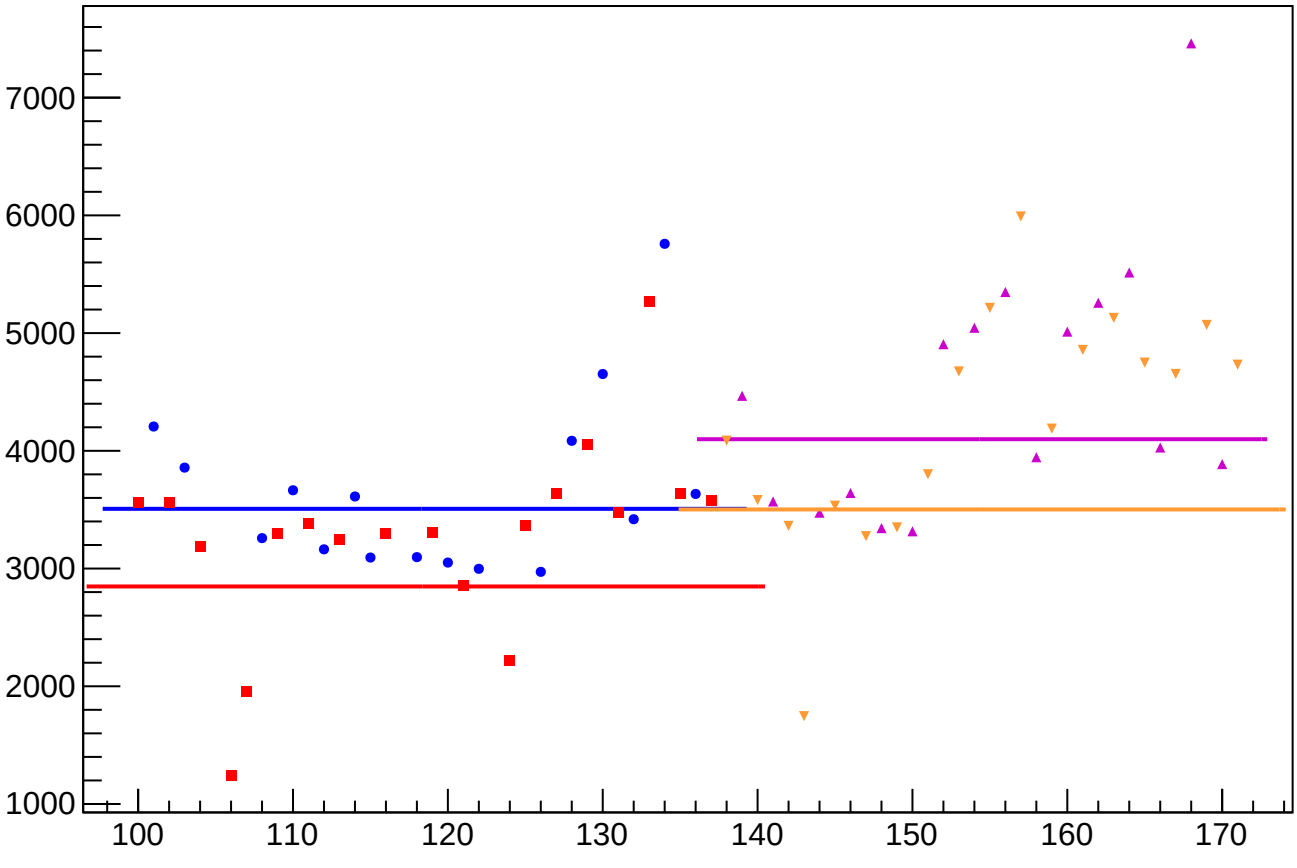
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1281.407+/-0.202 χ^2/NDF:531162.9/31

Out: 1292.337+/-0.198 χ^2/NDF:477024.2/36

All: 1286.974+/-0.141 χ^2/NDF: 1009682.7/68


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: -834.151+/-1154.851 χ²/NDF:10.4/15
Left: -702.085+/-751.389 χ²/NDF: 32.3/33
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -98.503+/-870.664 χ²/NDF:25.4/31
Out: -371.685+/-738.927 χ²/NDF:40.3/36
All: -257.304+/-563.380 χ²/NDF: 65.8/68



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: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

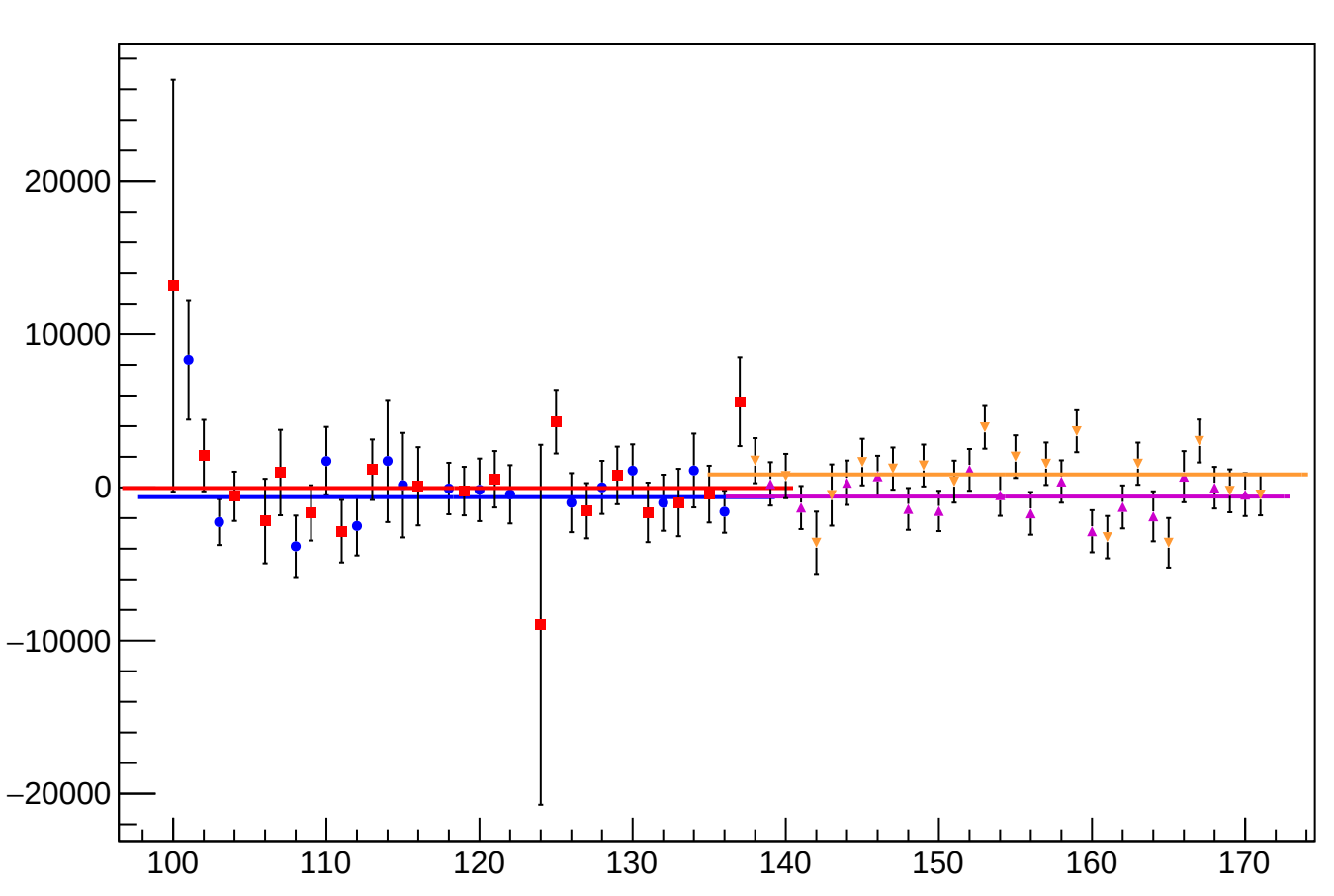
Left: 3754.570+/-0.531 χ^2/NDF: 4425535.3/33

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3843.454+/-0.616 χ^2/NDF:1667247.0/31

Out: 3212.659+/-0.523 χ^2/NDF:4916693.7/36

All: 3476.772+/-0.398 χ^2/NDF: 7194188.4/68



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: -594.460+/-351.364 χ^2/NDF:9.9/15

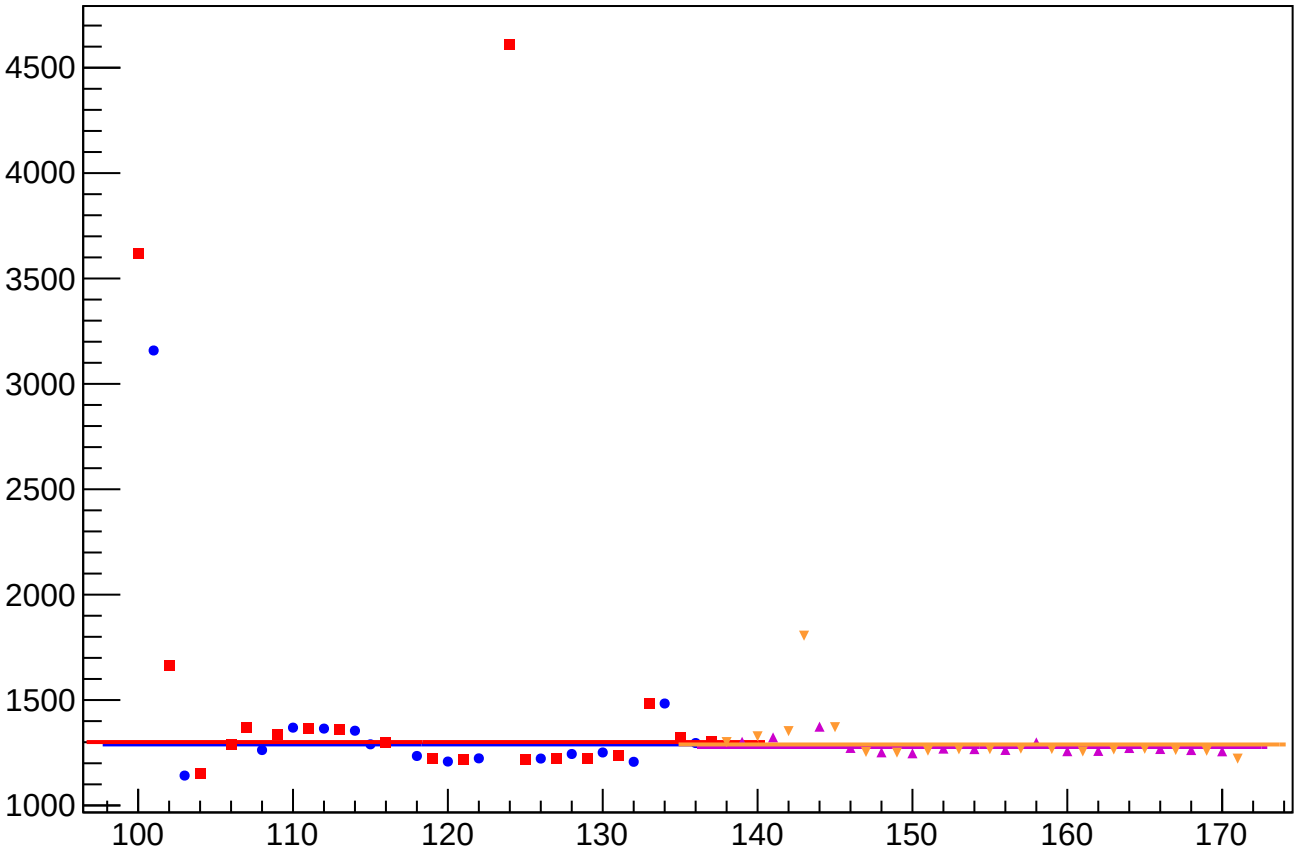
Left: 146.339+/-245.203 χ^2/NDF: 55.5/33

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -14.888+/-199.930 χ^2/NDF: 87.8/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

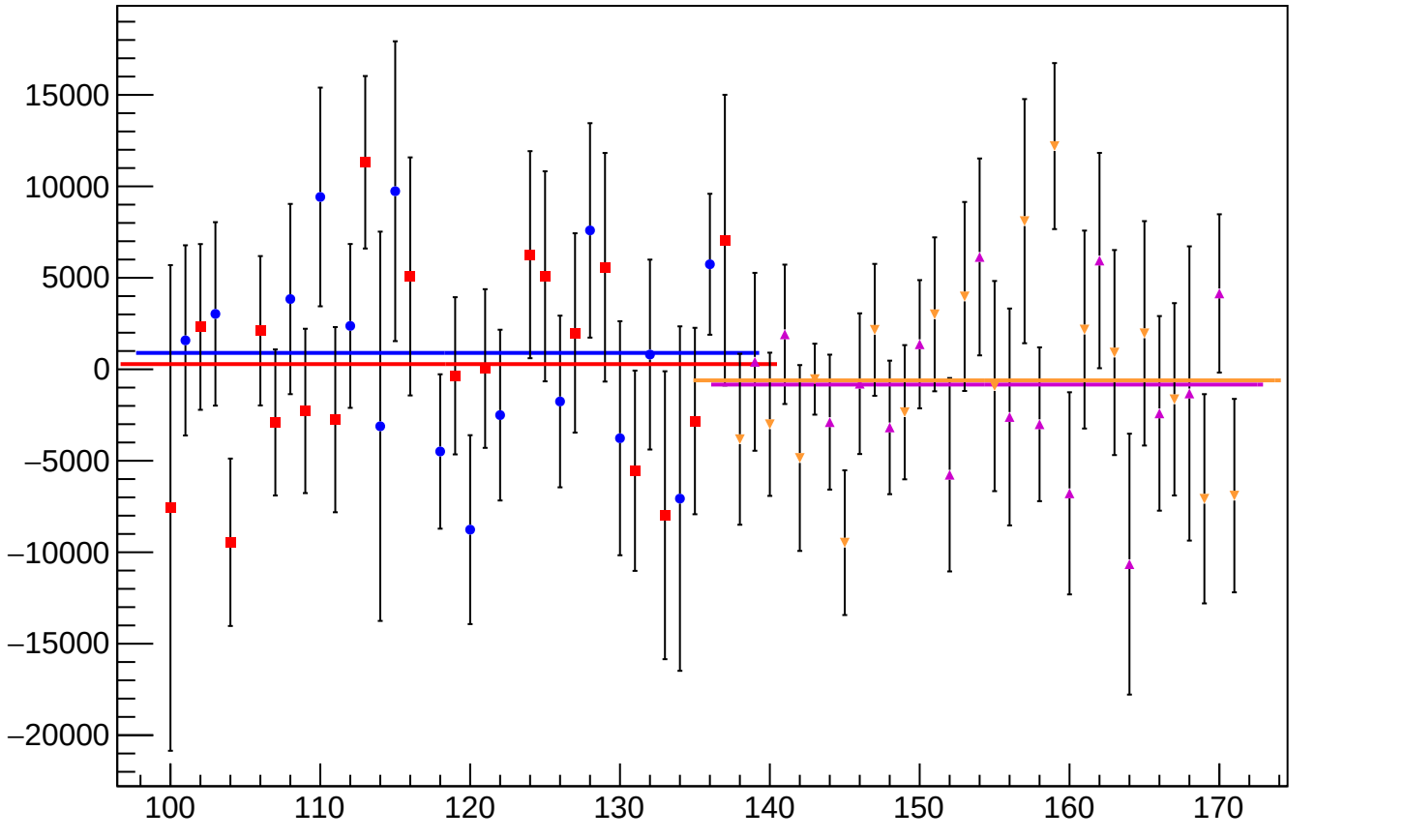
Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68



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: -834.195+/-1154.849 χ^2/NDF:10.4/15

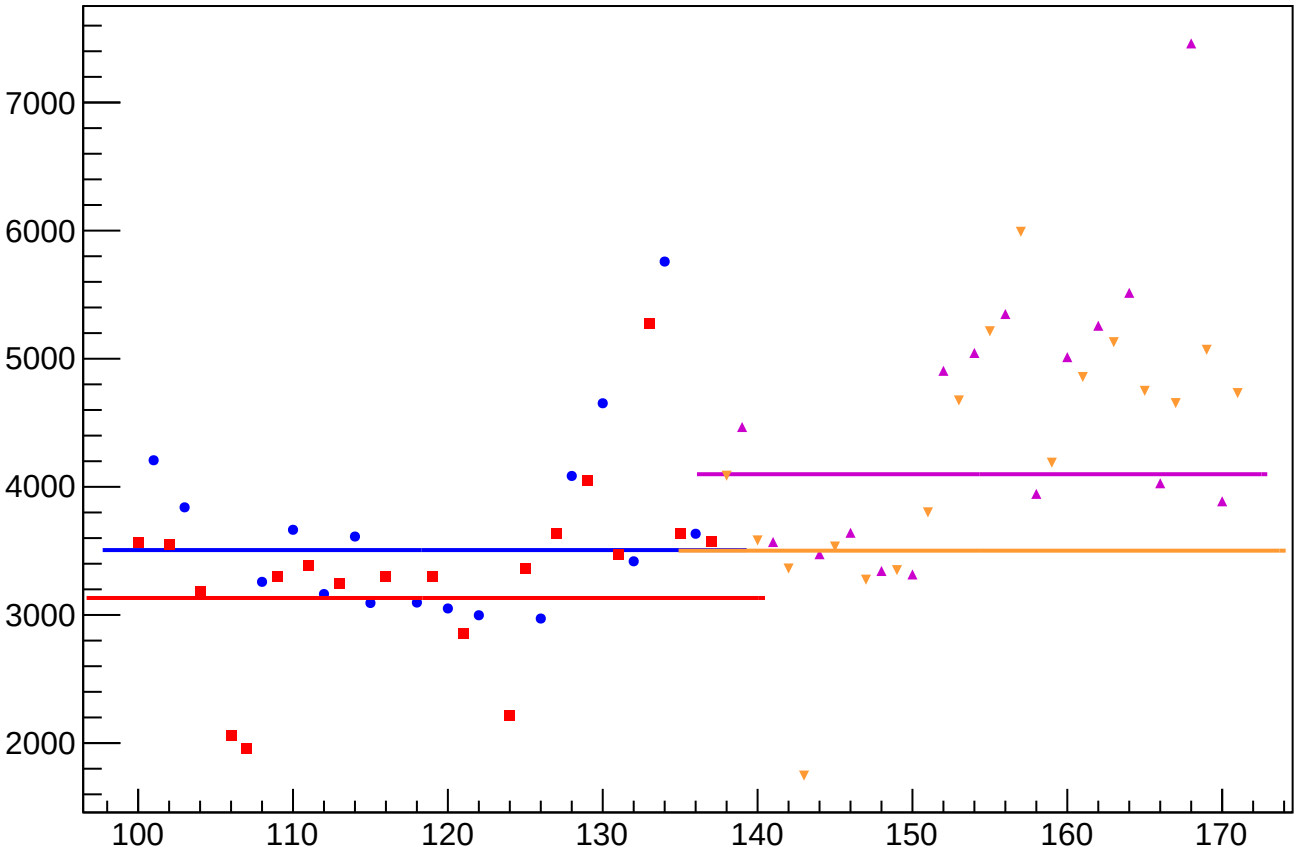
Left: -702.051+/-751.388 χ^2/NDF: 32.3/33

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -173.512+/-572.101 χ^2/NDF: 66.3/68



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: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

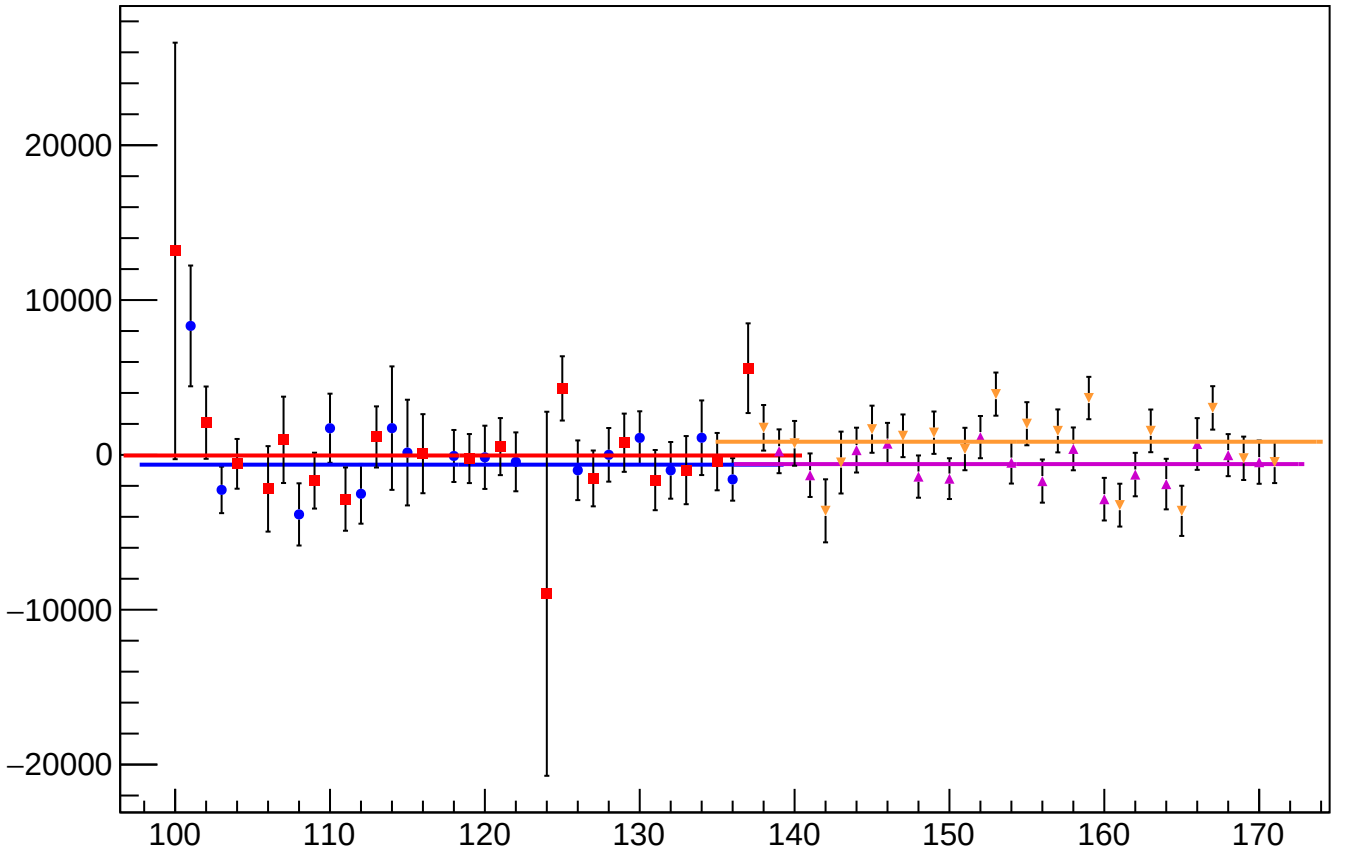
Left: 3754.562+/-0.531 χ^2/NDF: 4425573.0/33

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68



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: -594.460+/-351.364 χ^2/NDF:9.9/15

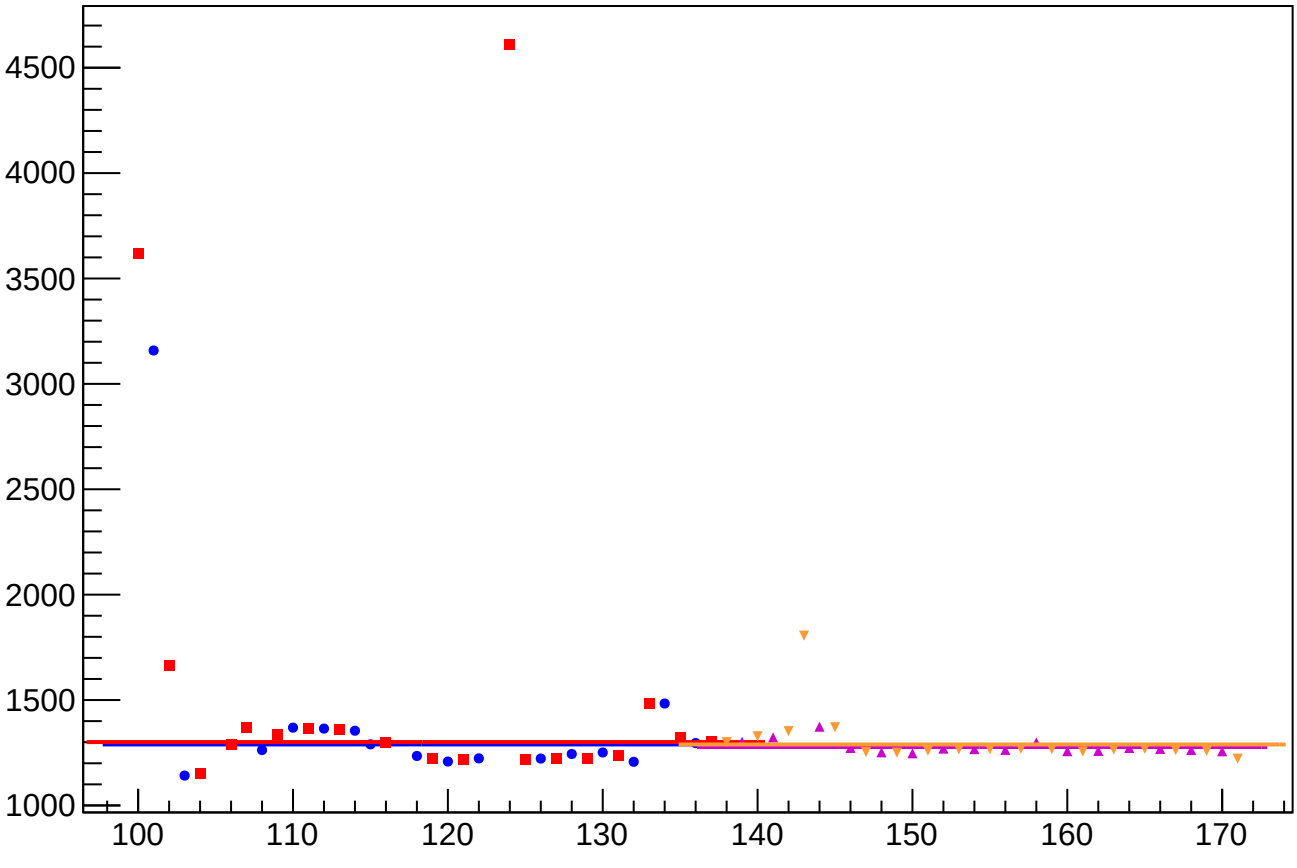
Left: 146.339+/-245.203 χ^2/NDF: 55.5/33

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -14.888+/-199.930 χ^2/NDF: 87.8/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

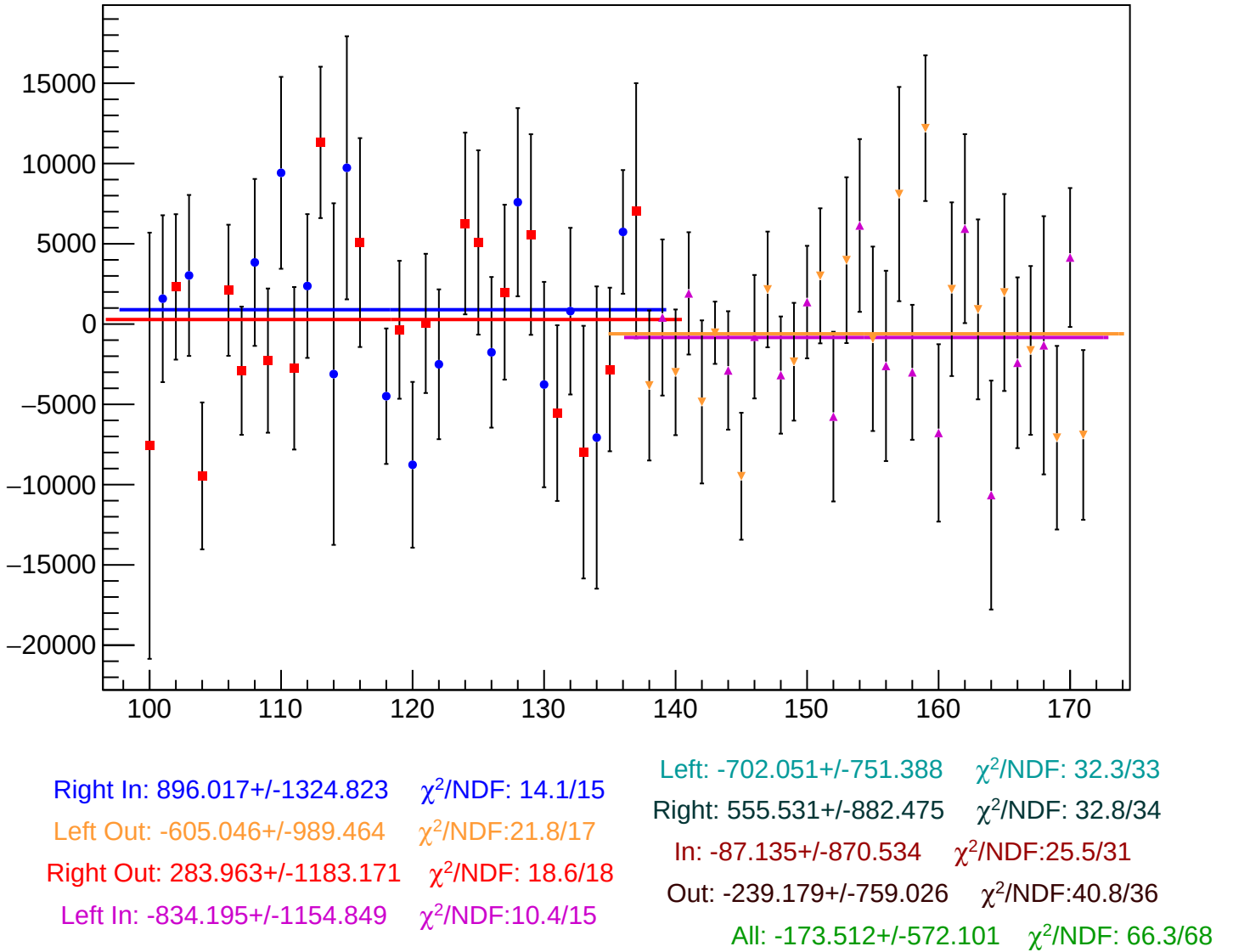
Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

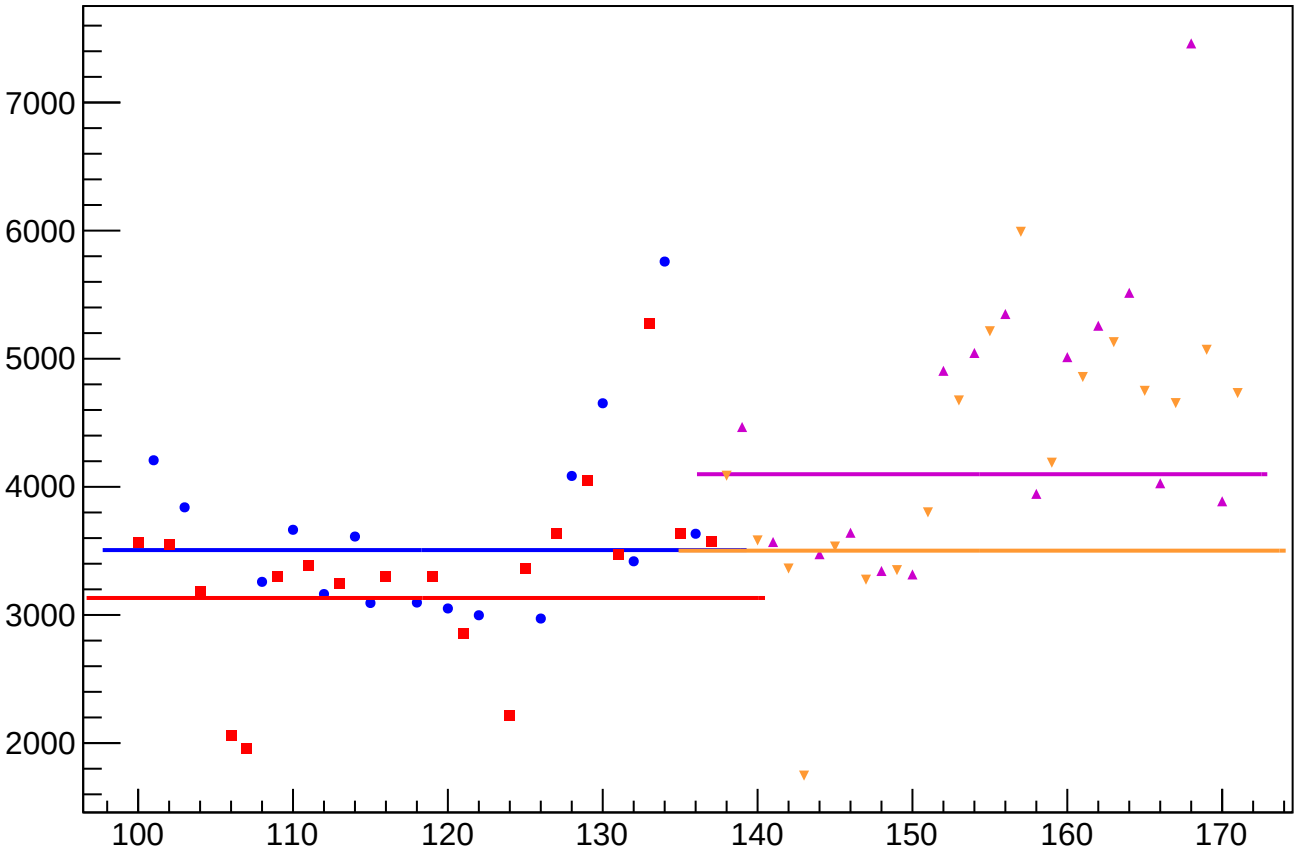
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68


asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
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: -834.195+/-1154.849 χ²/NDF:10.4/15
Left: -702.051+/-751.388 χ²/NDF: 32.3/33
Right: 555.531+/-882.475 χ²/NDF: 32.8/34
In: -87.135+/-870.534 χ²/NDF:25.5/31
Out: -239.179+/-759.026 χ²/NDF:40.8/36
All: -173.512+/-572.101 χ²/NDF: 66.3/68



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: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

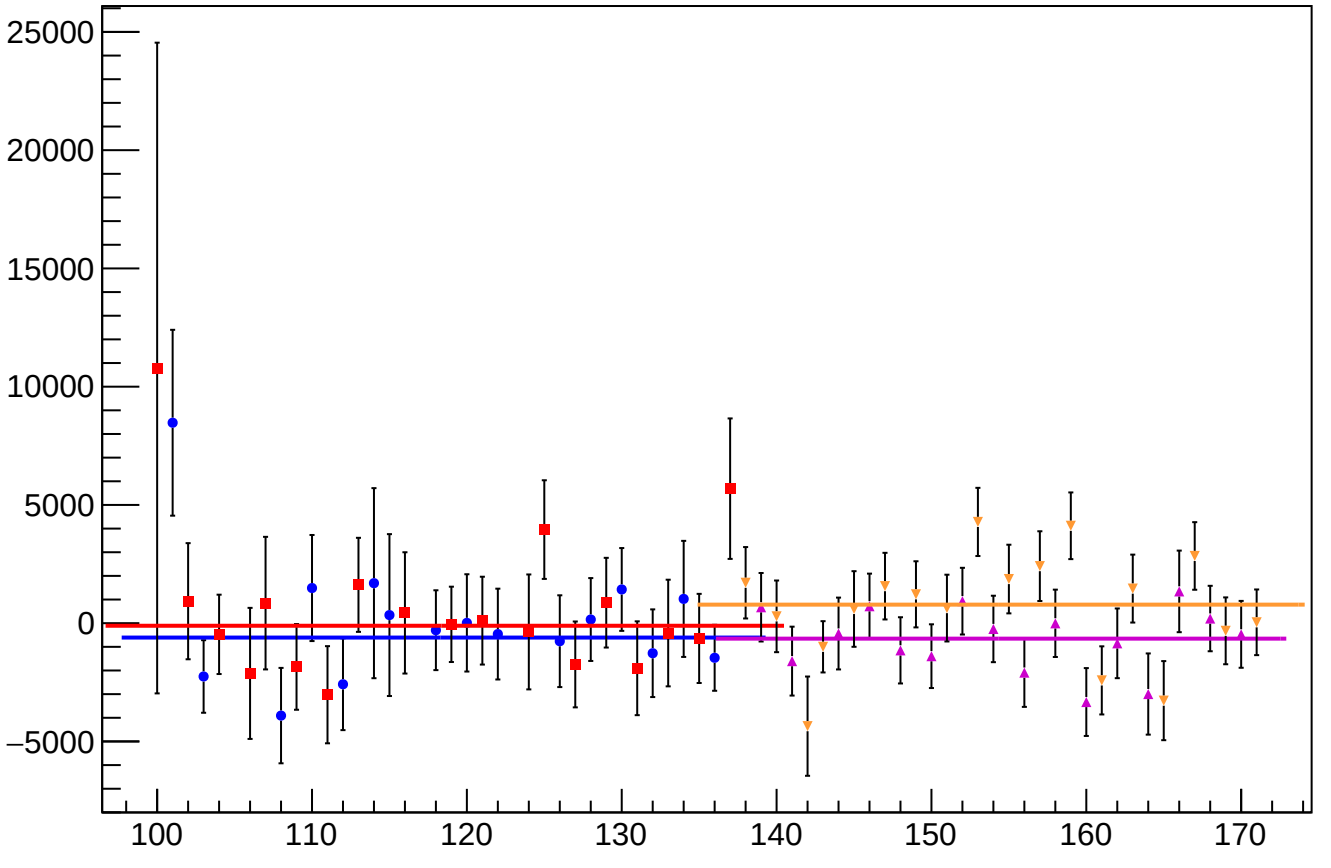
Left: 3754.562+/-0.531 χ^2/NDF: 4425573.0/33

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68



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: -653.590+/-362.908 χ^2/NDF:12.3/15

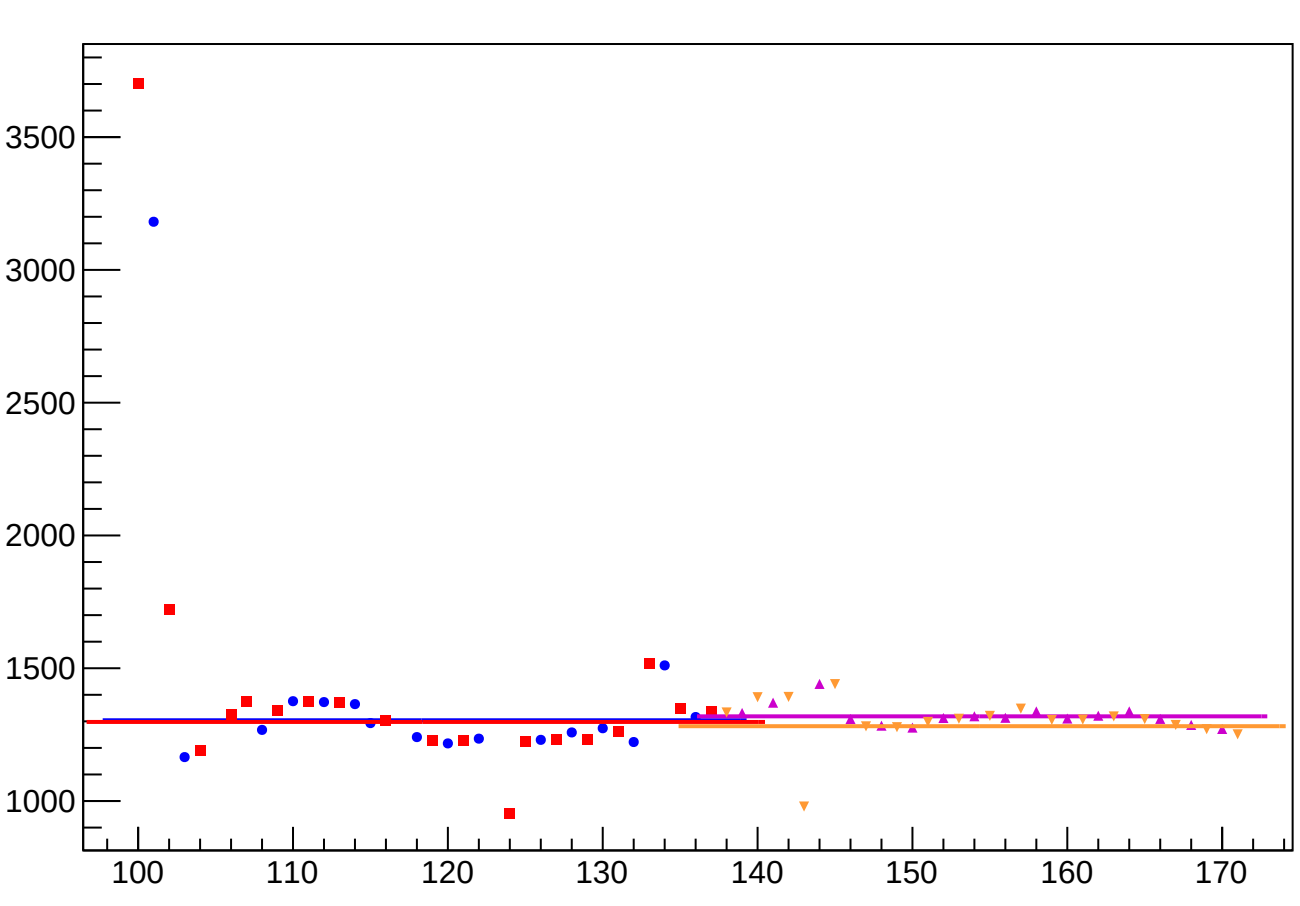
Left: 110.688+/-248.392 χ^2/NDF: 57.6/33

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -637.558+/-292.507 χ^2/NDF:26.5/31

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -47.082+/-201.849 χ^2/NDF: 88.3/68



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: 1318.907+/-0.257 χ^2/NDF:23031.0/15

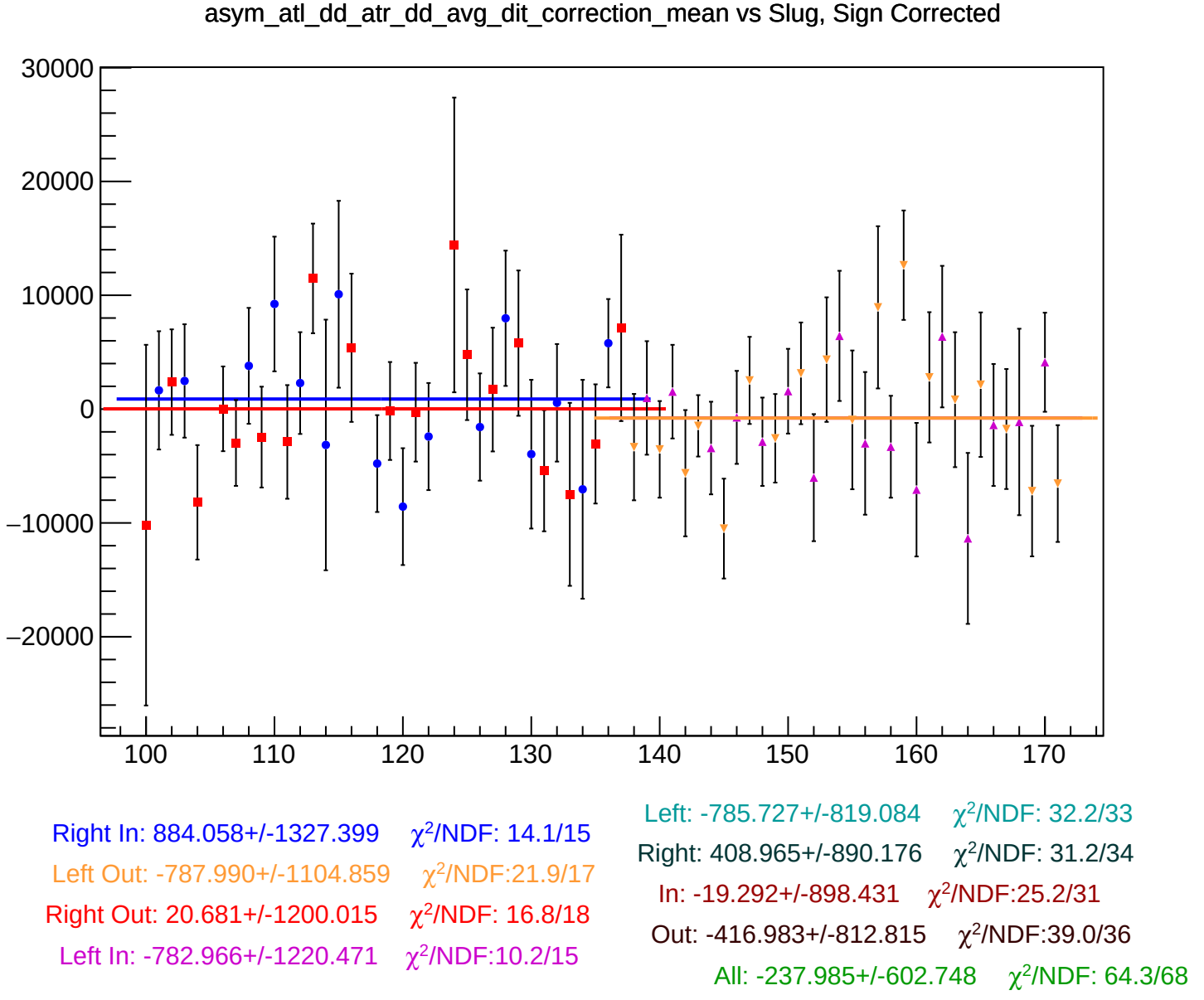
Left: 1299.173+/-0.176 χ^2/NDF: 238432.8/33

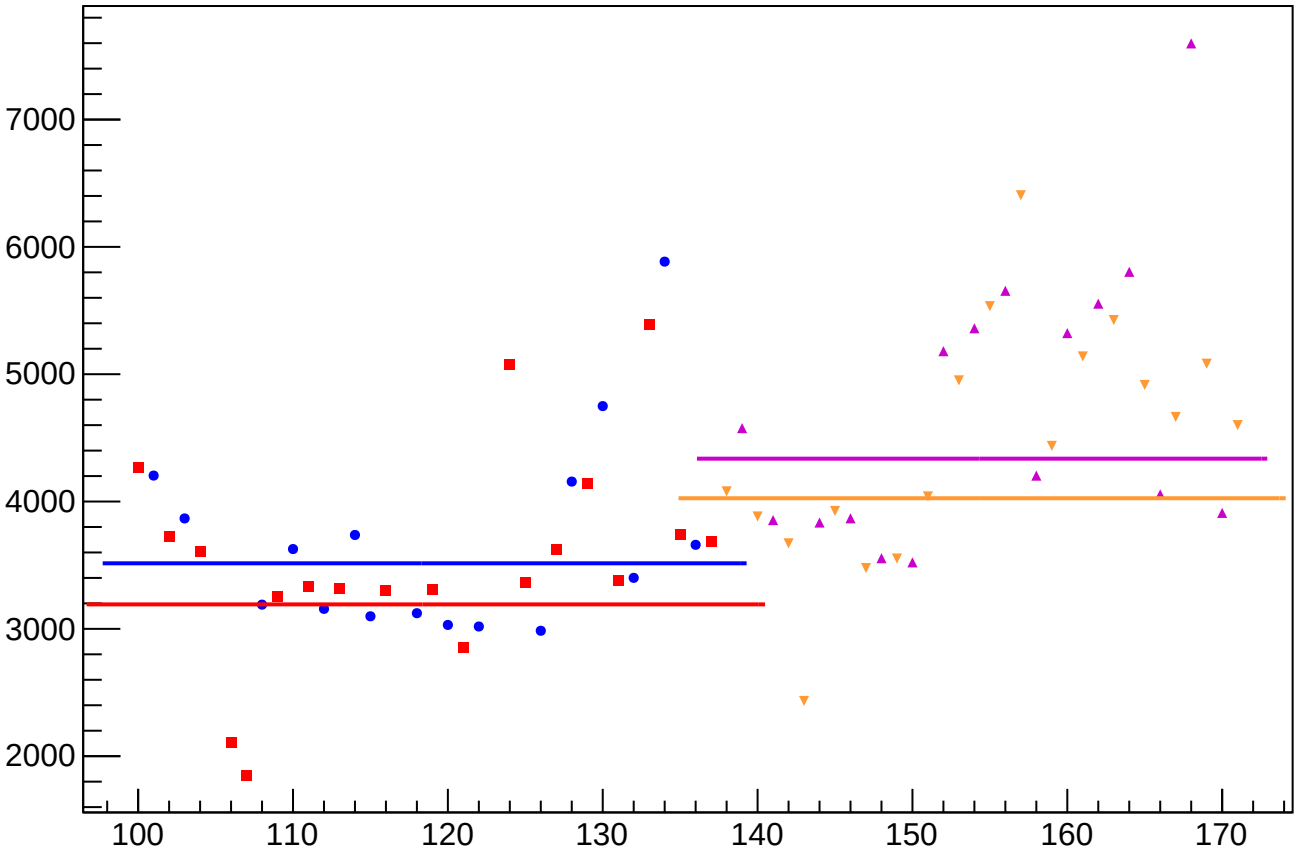
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1313.720+/-0.207 χ^2/NDF:534786.4/31

Out: 1287.070+/-0.197 χ^2/NDF:418833.0/36

All: 1299.757+/-0.143 χ^2/NDF: 962317.5/68


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: -782.966+/-1220.471 χ²/NDF:10.2/15
Left: -785.727+/-819.084 χ²/NDF: 32.2/33
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -19.292+/-898.431 χ²/NDF:25.2/31
Out: -416.983+/-812.815 χ²/NDF:39.0/36
All: -237.985+/-602.748 χ²/NDF: 64.3/68



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: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

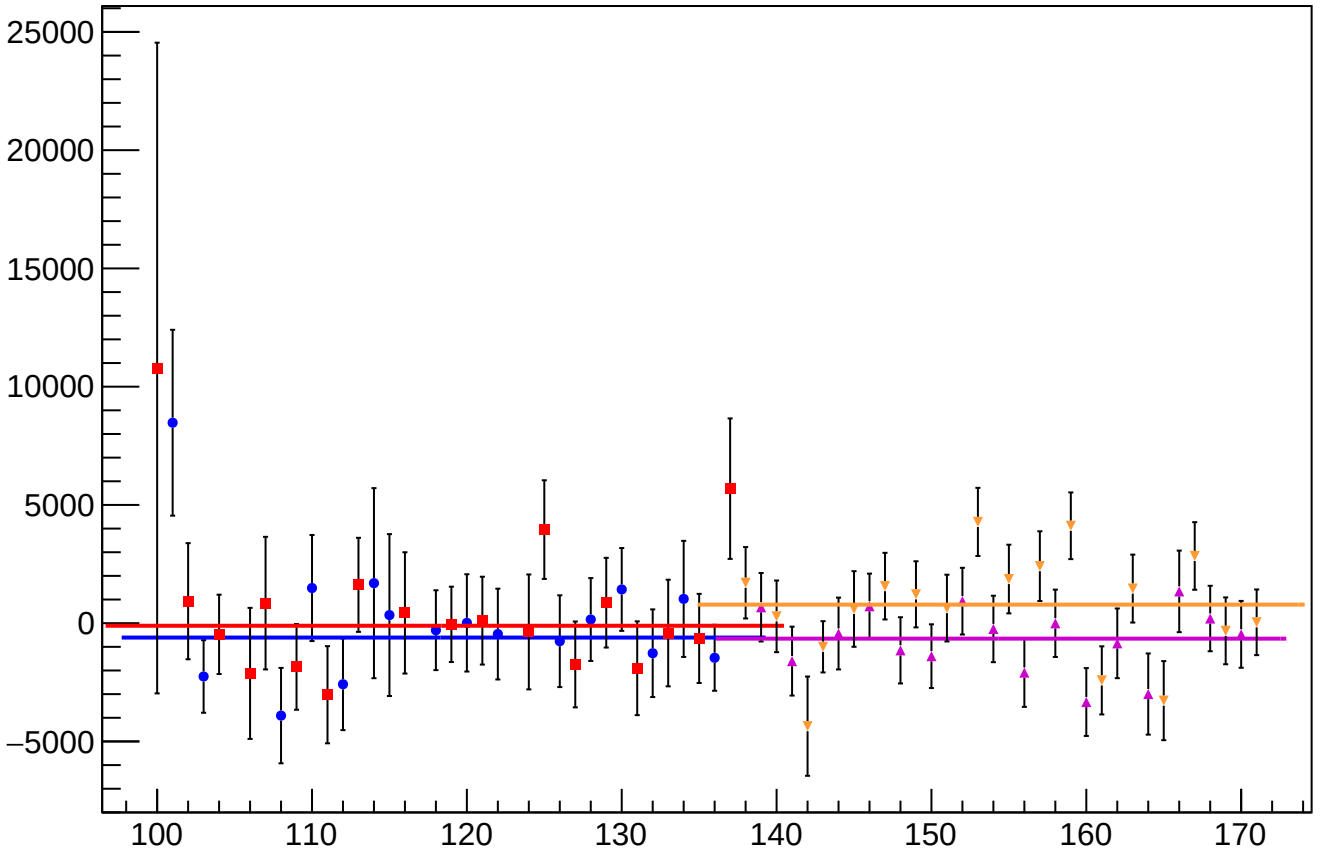
Left: 4165.887+/-0.579 χ^2/NDF: 2633595.6/33

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3960.152+/-0.635 χ^2/NDF:1807793.2/31

Out: 3643.419+/-0.575 χ^2/NDF:2840119.1/36

All: 3785.978+/-0.426 χ^2/NDF: 4784602.2/68



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: -653.591+/-362.908 χ^2/NDF:12.3/15

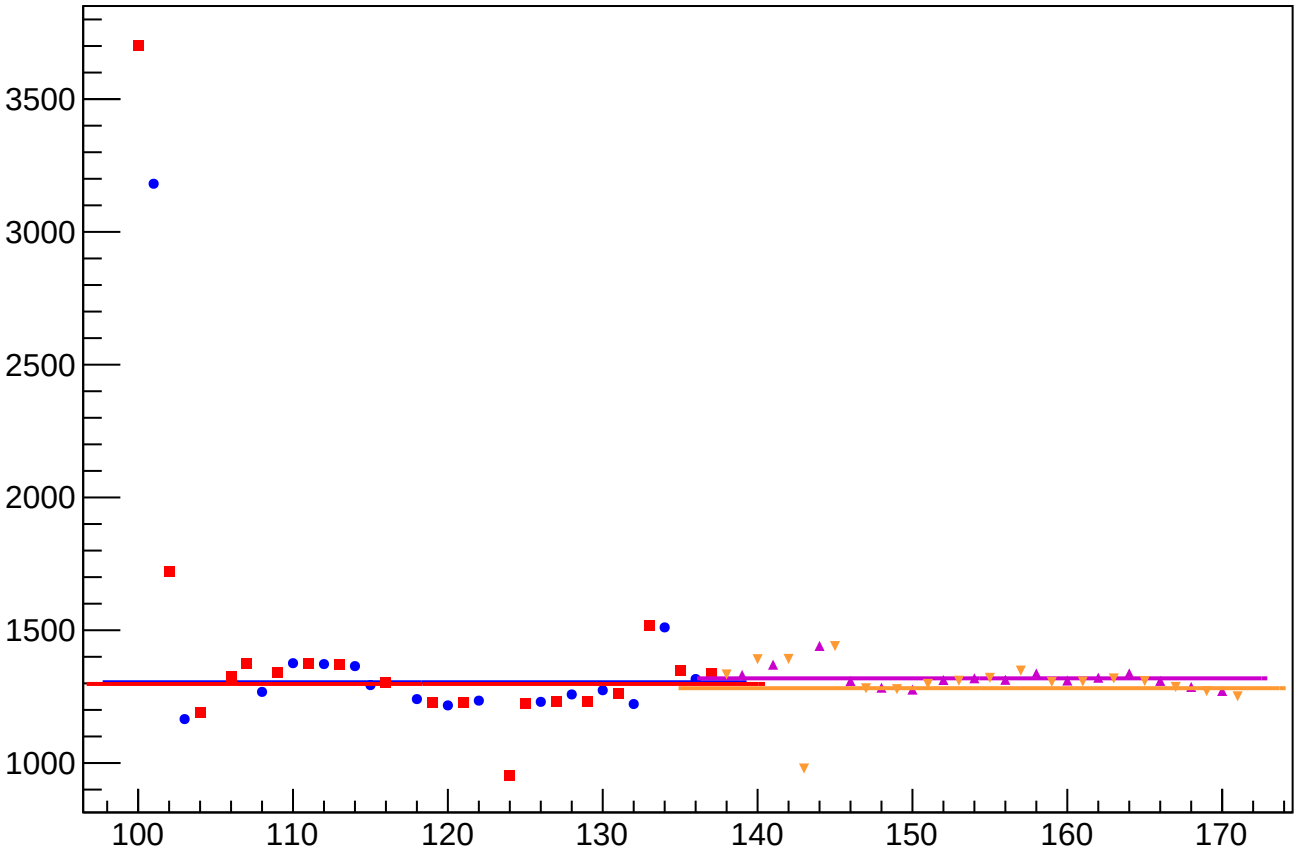
Left: 110.689+/-248.392 χ^2/NDF: 57.6/33

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -637.560+/-292.507 χ^2/NDF:26.5/31

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -47.083+/-201.849 χ^2/NDF: 88.3/68



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: 1318.908+/-0.257 χ^2/NDF:23031.2/15

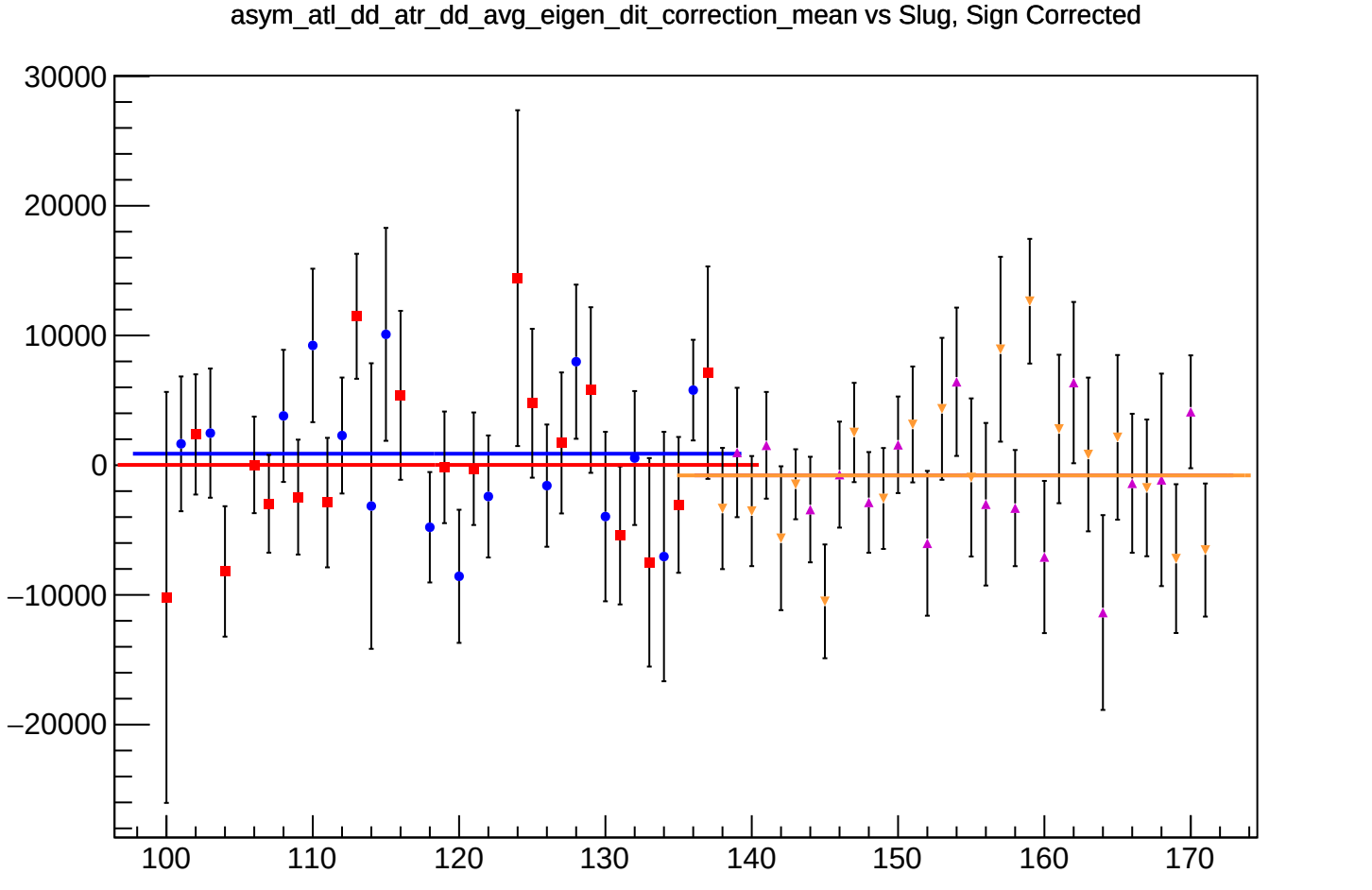
Left: 1299.175+/-0.176 χ^2/NDF: 238434.2/33

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1313.721+/-0.207 χ^2/NDF:534787.1/31

Out: 1287.071+/-0.197 χ^2/NDF:418833.8/36

All: 1299.758+/-0.143 χ^2/NDF: 962319.0/68



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: -782.965+/-1220.473 χ^2/NDF:10.2/15

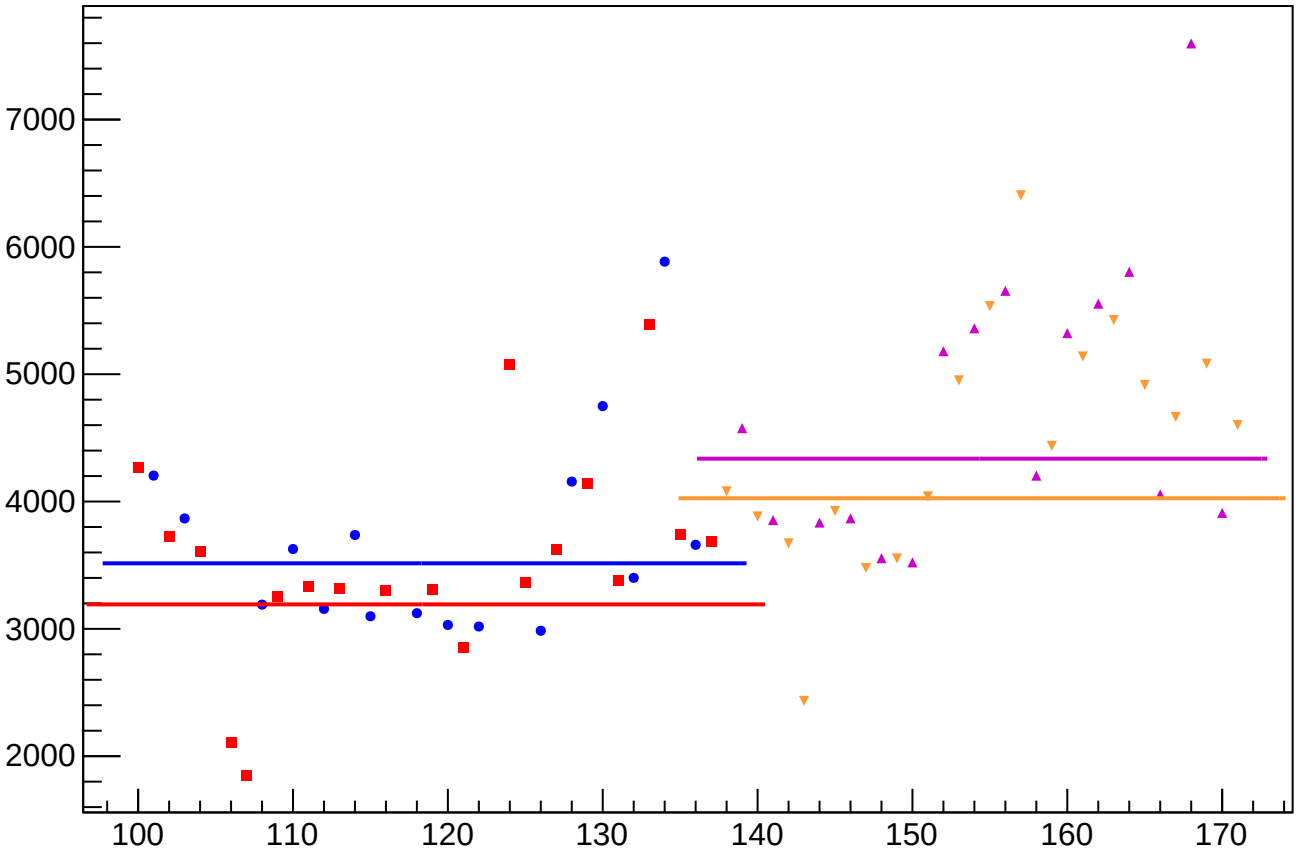
Left: -785.725+/-819.086 χ^2/NDF: 32.2/33

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -19.293+/-898.430 χ^2/NDF:25.2/31

Out: -416.982+/-812.814 χ^2/NDF:39.0/36

All: -237.985+/-602.748 χ^2/NDF: 64.3/68



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: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

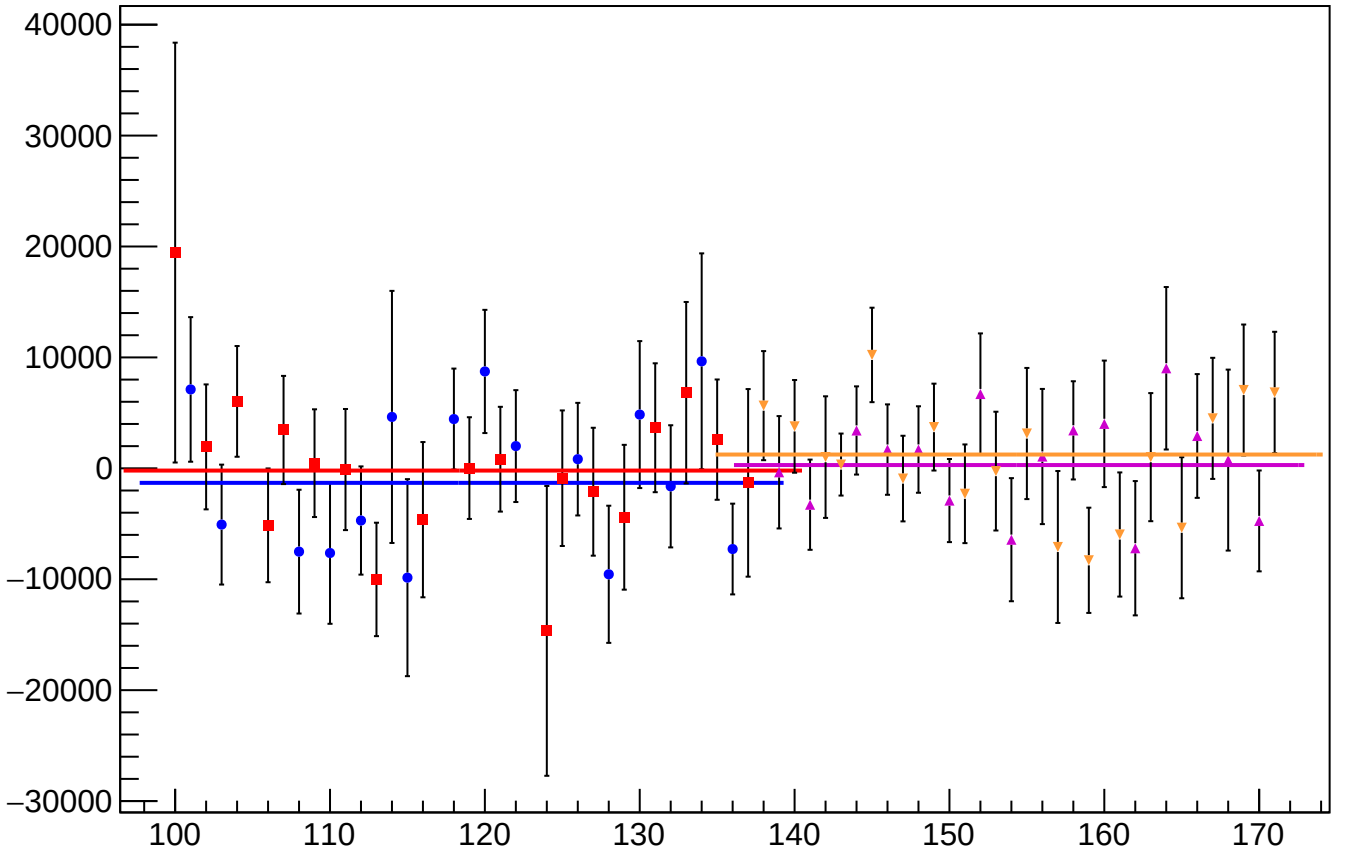
Left: 4165.893+/-0.579 χ^2/NDF: 2633599.1/33

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3960.149+/-0.635 χ^2/NDF:1807815.4/31

Out: 3643.417+/-0.575 χ^2/NDF:2840140.4/36

All: 3785.976+/-0.426 χ^2/NDF: 4784645.3/68



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: 295.262+/-1216.245 χ^2/NDF:10.6/15

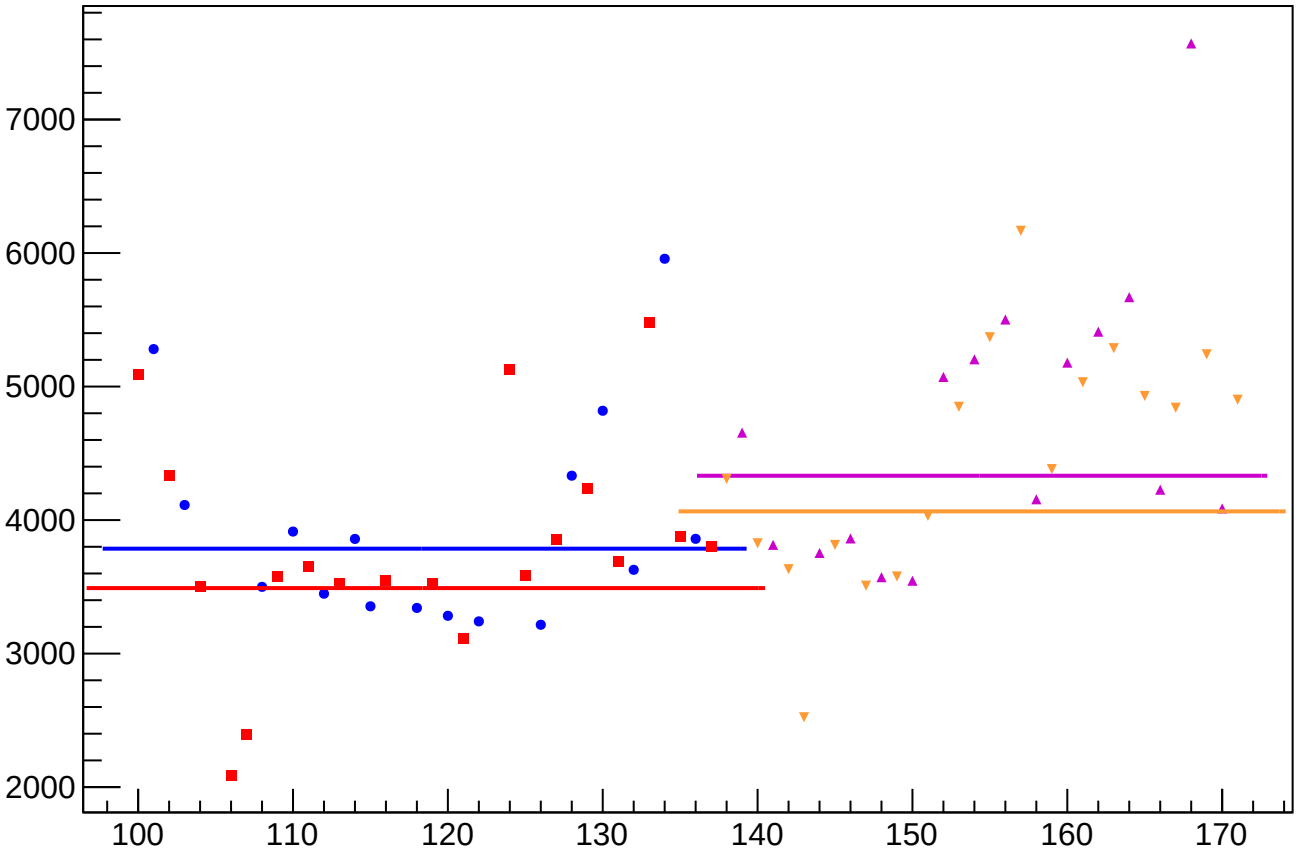
Left: 812.133+/-820.488 χ^2/NDF: 28.8/33

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -377.382+/-926.908 χ^2/NDF:28.9/31

Out: 652.615+/-854.473 χ^2/NDF:30.2/36

All: 179.430+/-628.253 χ^2/NDF: 59.8/68



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: 4332.000+/-0.860 χ^2/NDF:932259.8/15

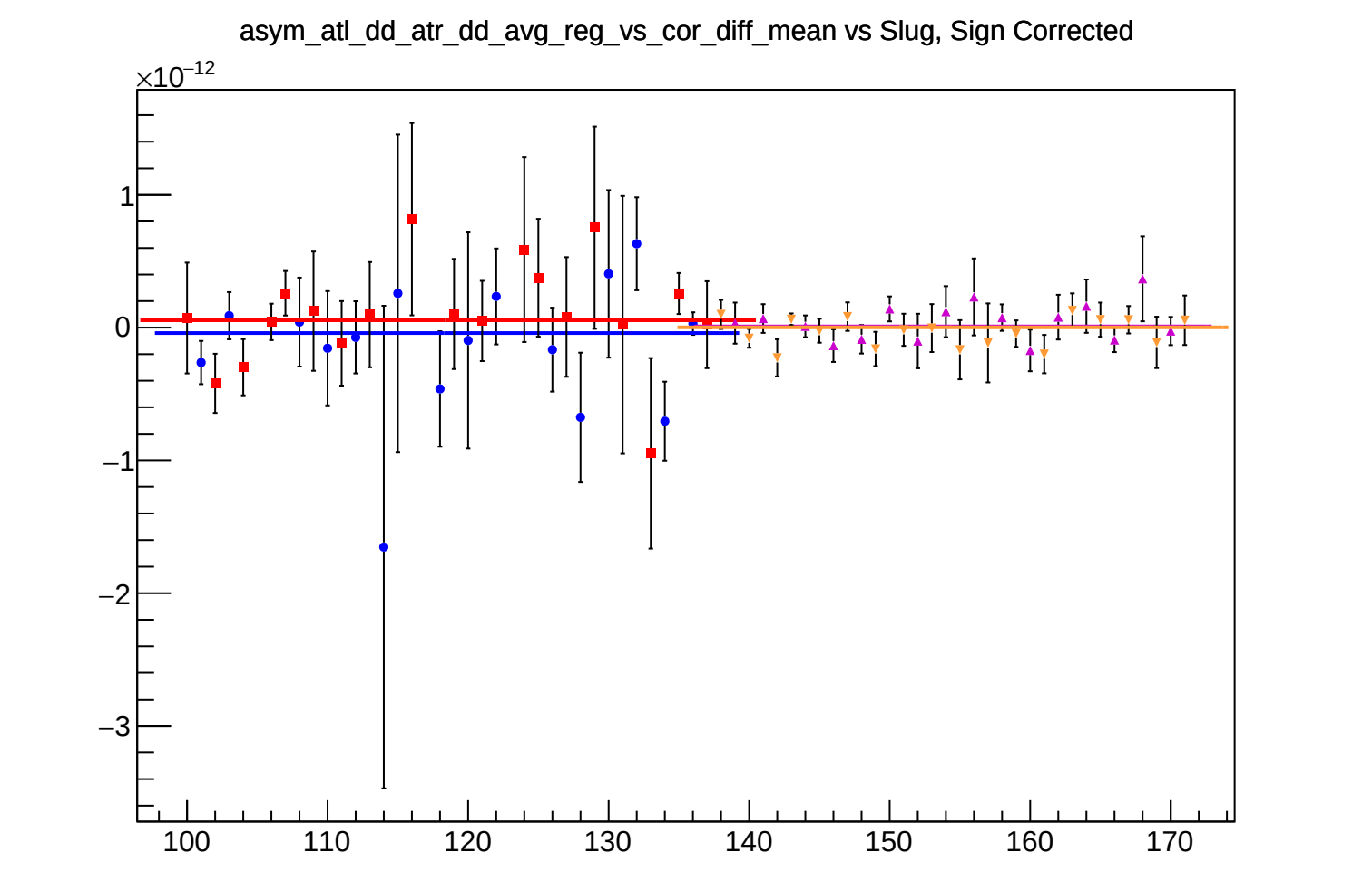
Left: 4186.595+/-0.580 χ^2/NDF: 2387166.1/33

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.023+/-0.655 χ^2/NDF:1484356.4/31

Out: 3826.335+/-0.601 χ^2/NDF:2211287.7/36

All: 3952.670+/-0.443 χ^2/NDF: 3792486.1/68



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:10.8/15

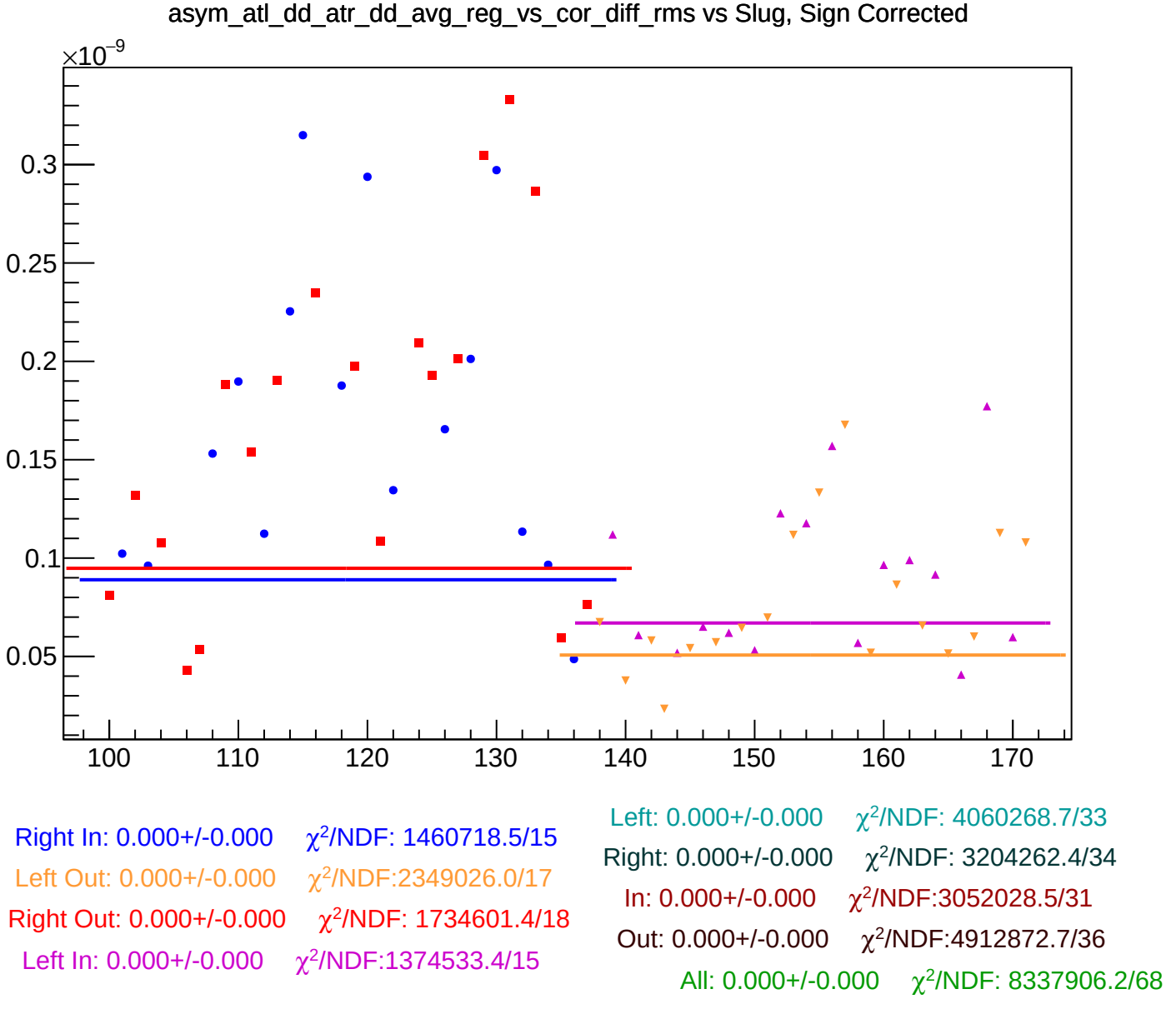
Left: 0.000+/-0.000 χ^2/NDF: 24.6/33

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

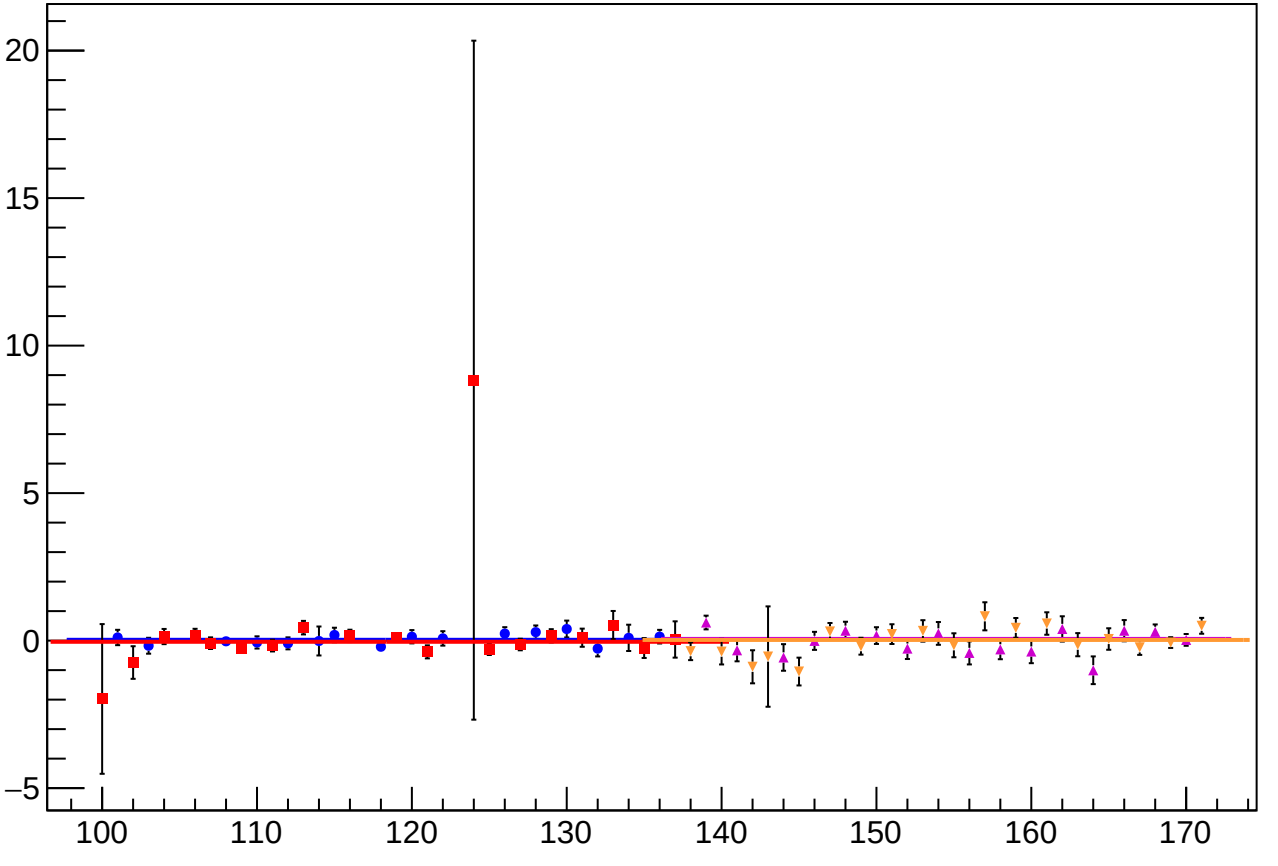
In: -0.000+/-0.000 χ^2/NDF:28.0/31

Out: 0.000+/-0.000 χ^2/NDF:30.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.4/68


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1460718.5/15
Left Out: 0.000+/-0.000 χ²/NDF:2349026.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 1734601.4/18
Left In: 0.000+/-0.000 χ²/NDF:1374533.4/15
Left: 0.000+/-0.000 χ²/NDF: 4060268.7/33
Right: 0.000+/-0.000 χ²/NDF: 3204262.4/34
In: 0.000+/-0.000 χ²/NDF:3052028.5/31
Out: 0.000+/-0.000 χ²/NDF:4912872.7/36
All: 0.000+/-0.000 χ²/NDF: 8337906.2/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

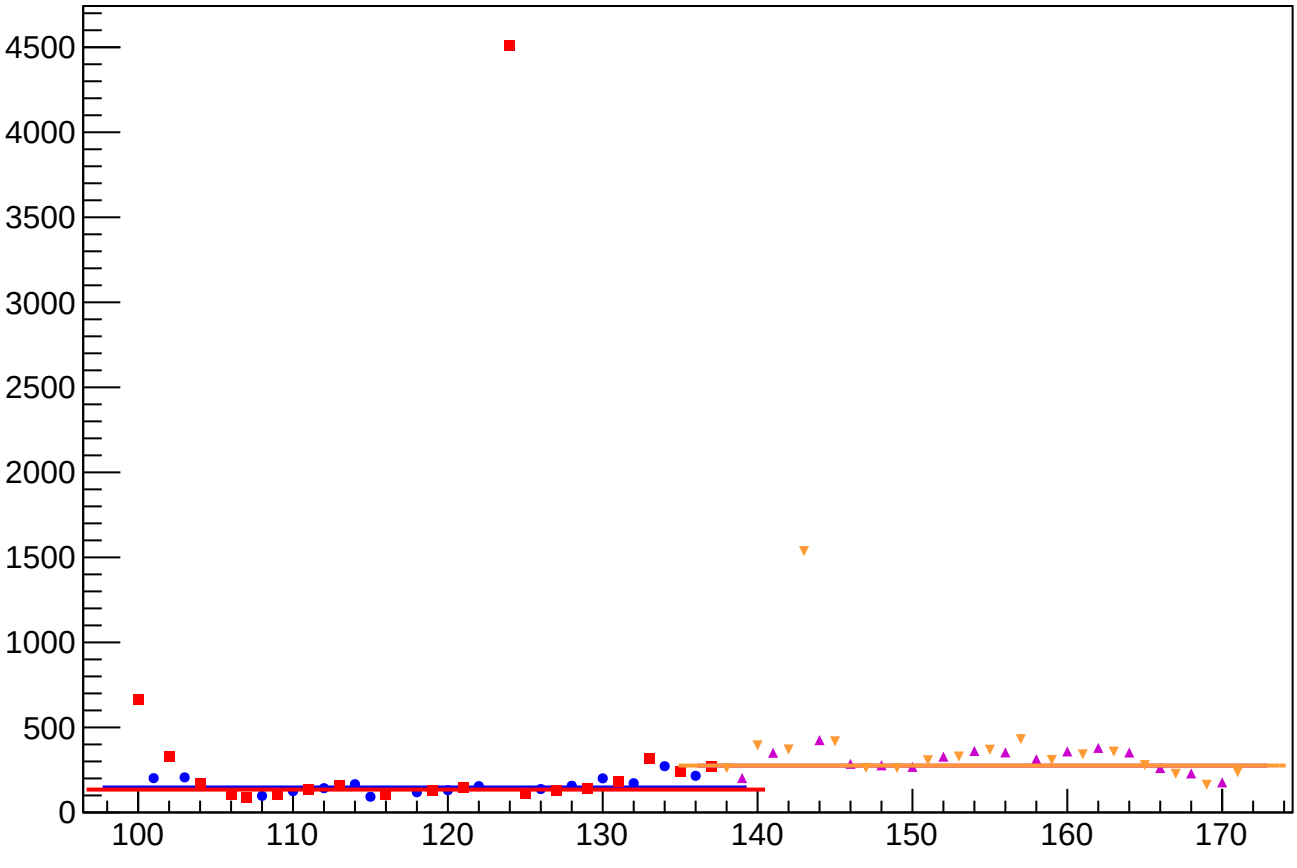
Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68



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: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 275.564+/-0.039 χ^2/NDF: 4503413.6/33

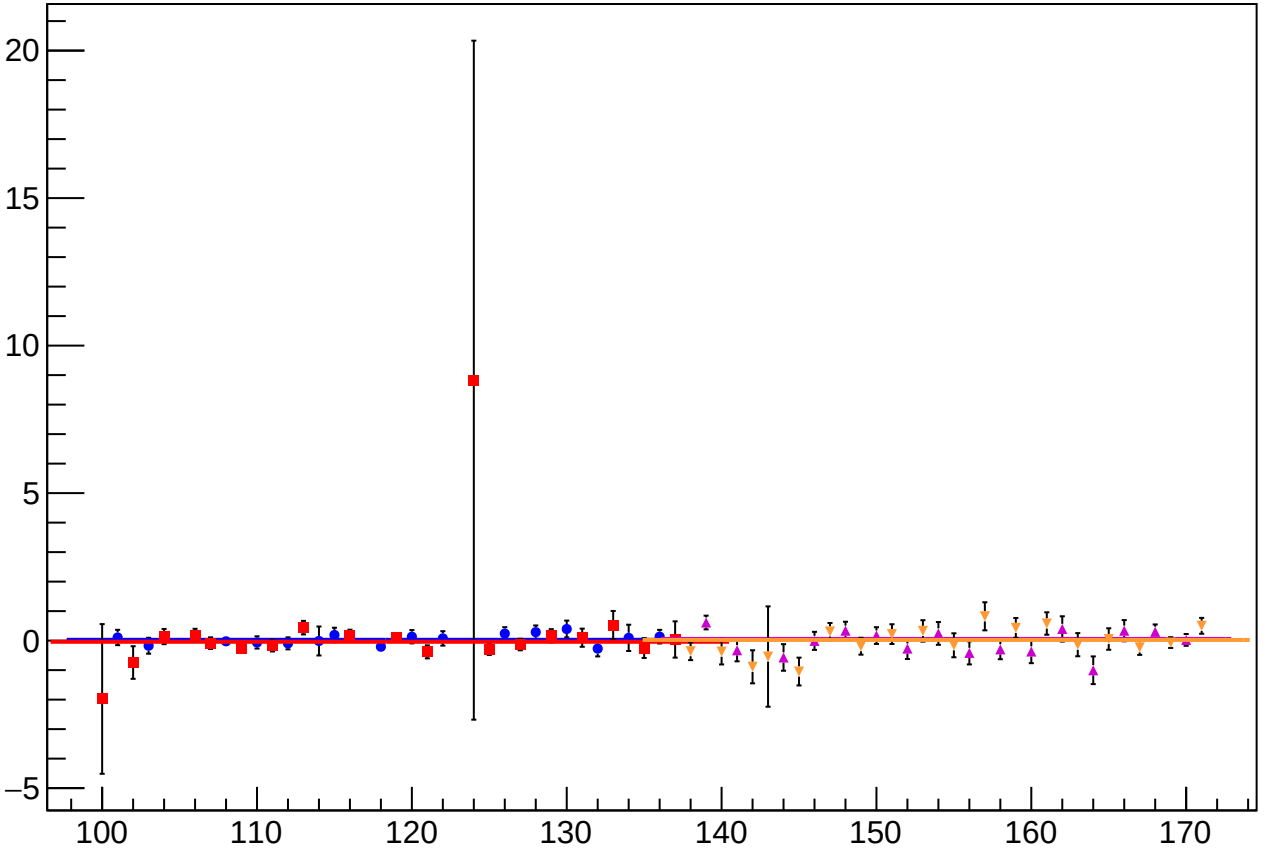
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

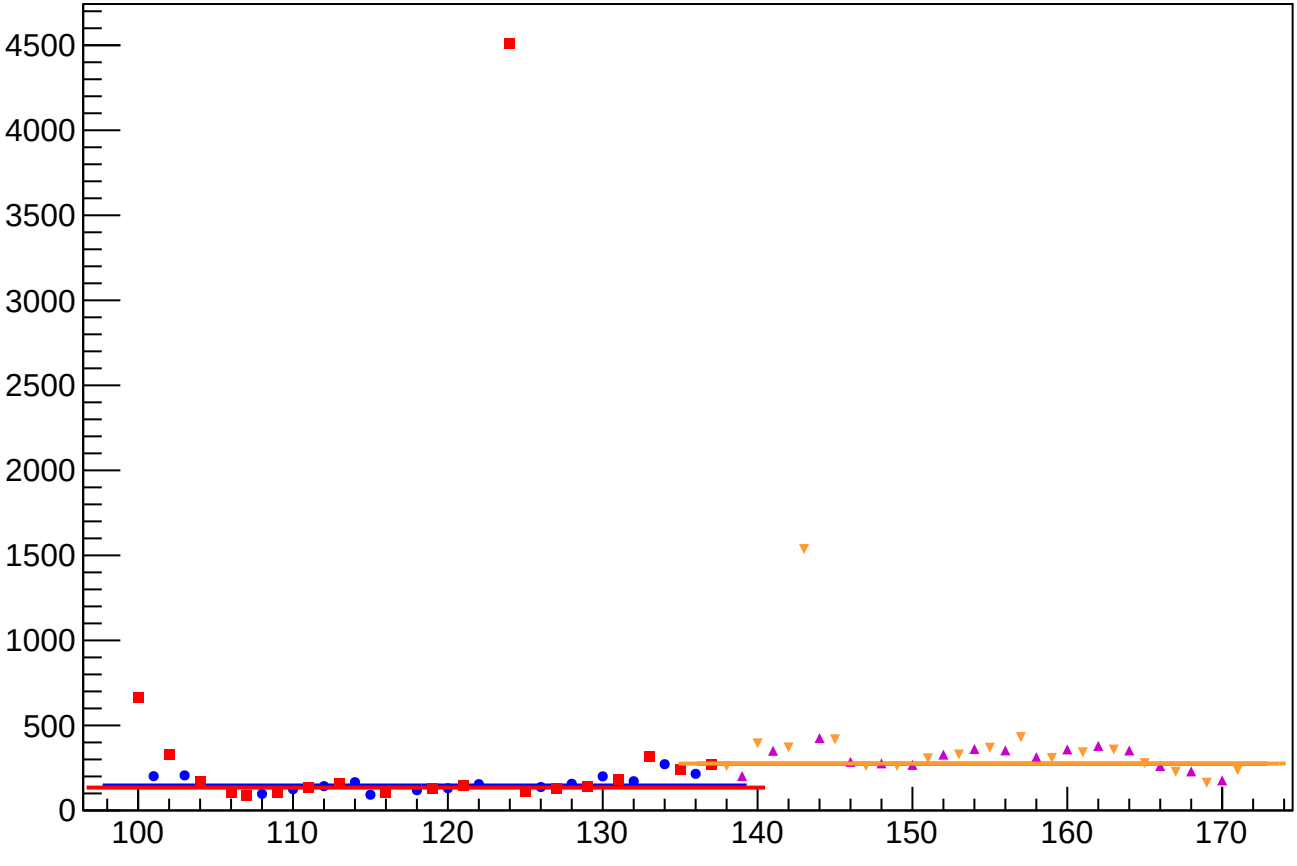
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 275.564+/-0.039 χ^2/NDF: 4503413.6/33

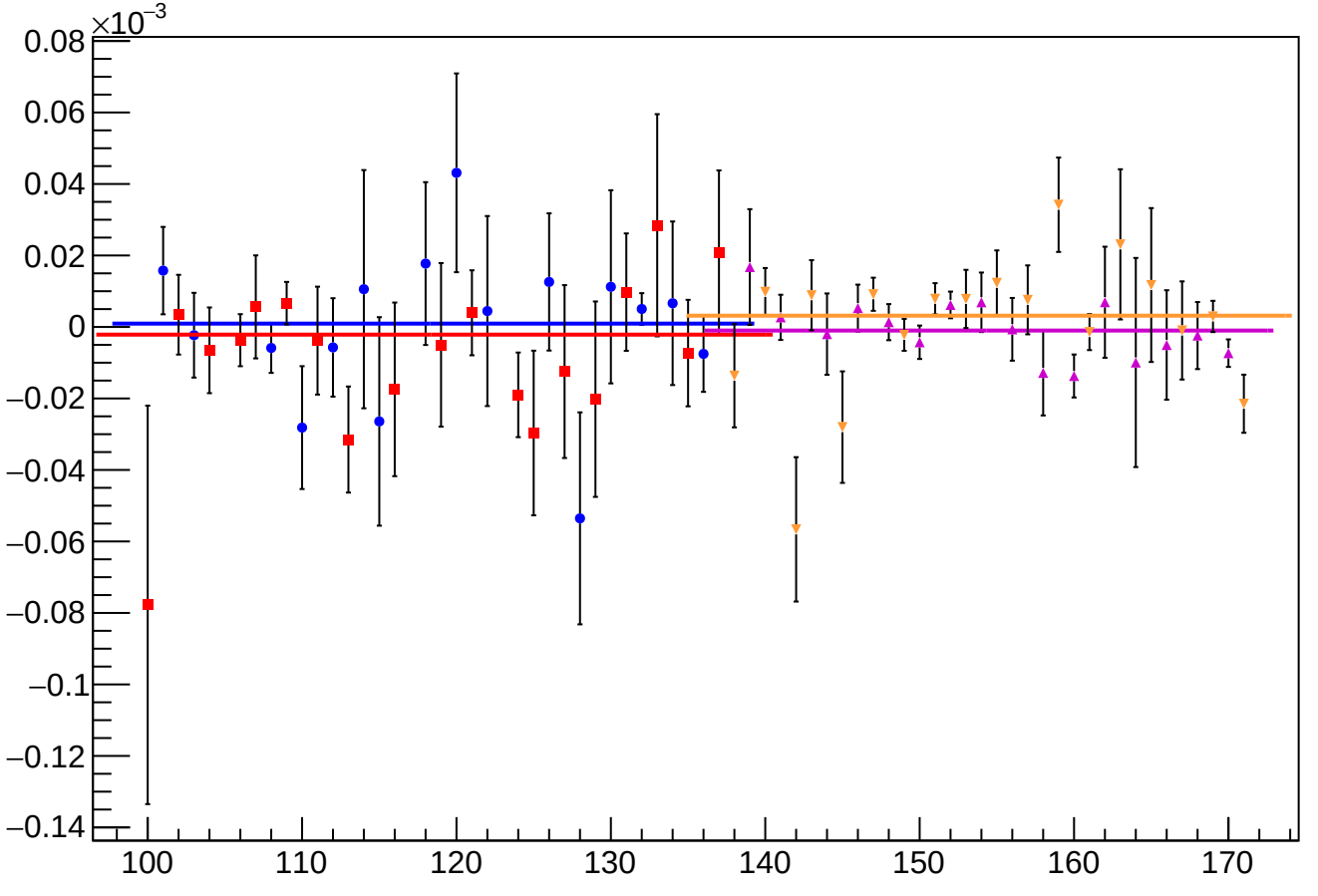
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

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:16.4/15

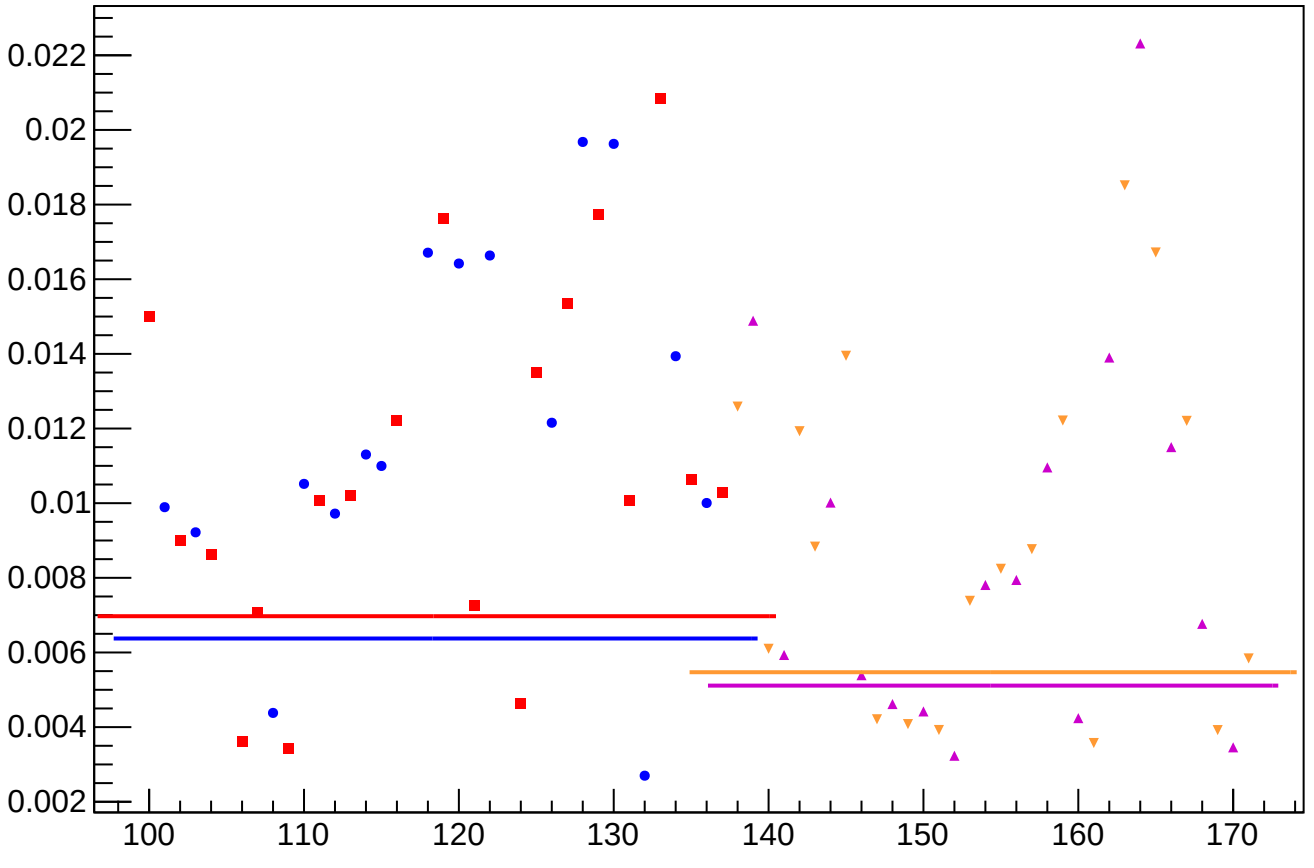
Left: 0.000+/-0.000 χ^2/NDF: 57.5/33

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:31.6/31

Out: 0.000+/-0.000 χ^2/NDF:56.4/36

All: 0.000+/-0.000 χ^2/NDF: 89.4/68



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:4760884.8/15

Left: 0.005+/-0.000 χ^2/NDF: 10324005.9/33

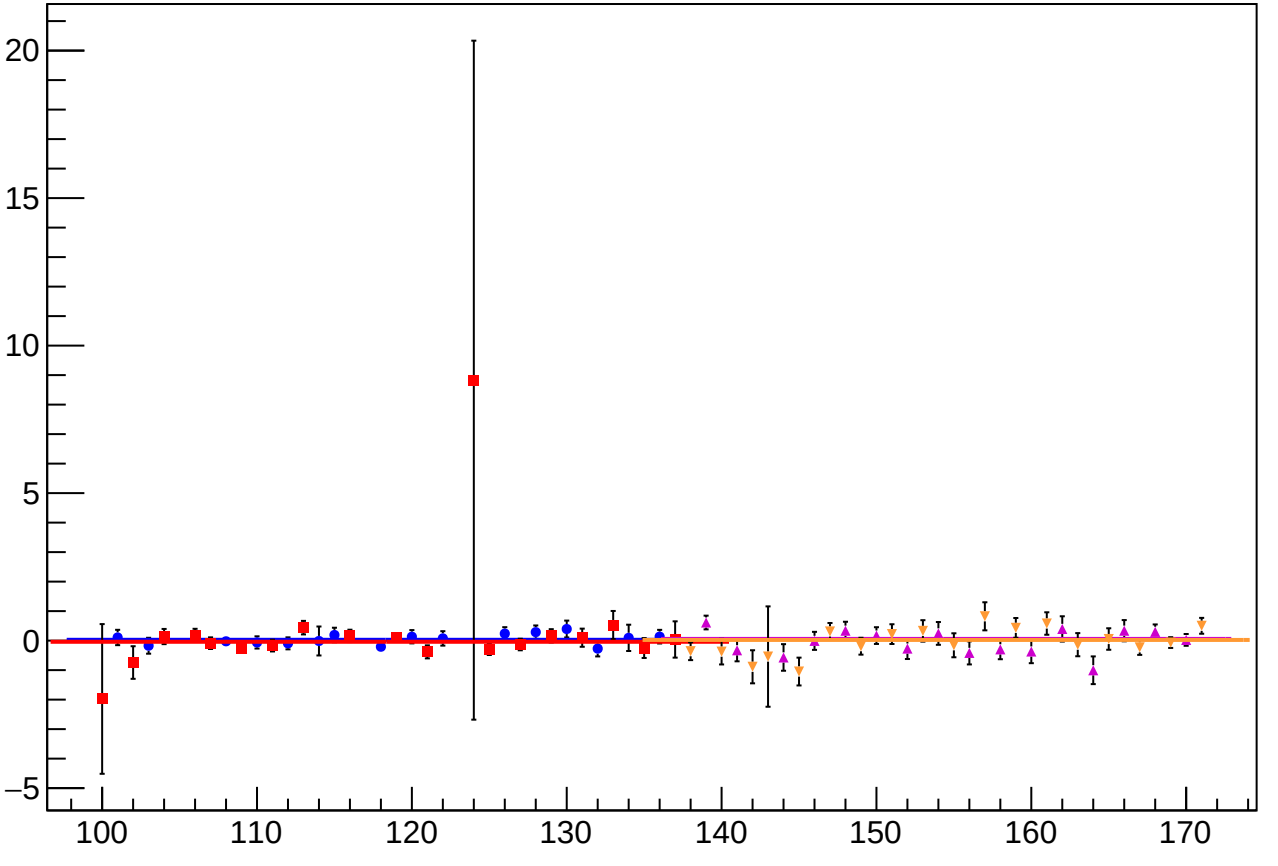
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9682821.9/31

Out: 0.006+/-0.000 χ^2/NDF:9304892.8/36

All: 0.006+/-0.000 χ^2/NDF: 19067544.1/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

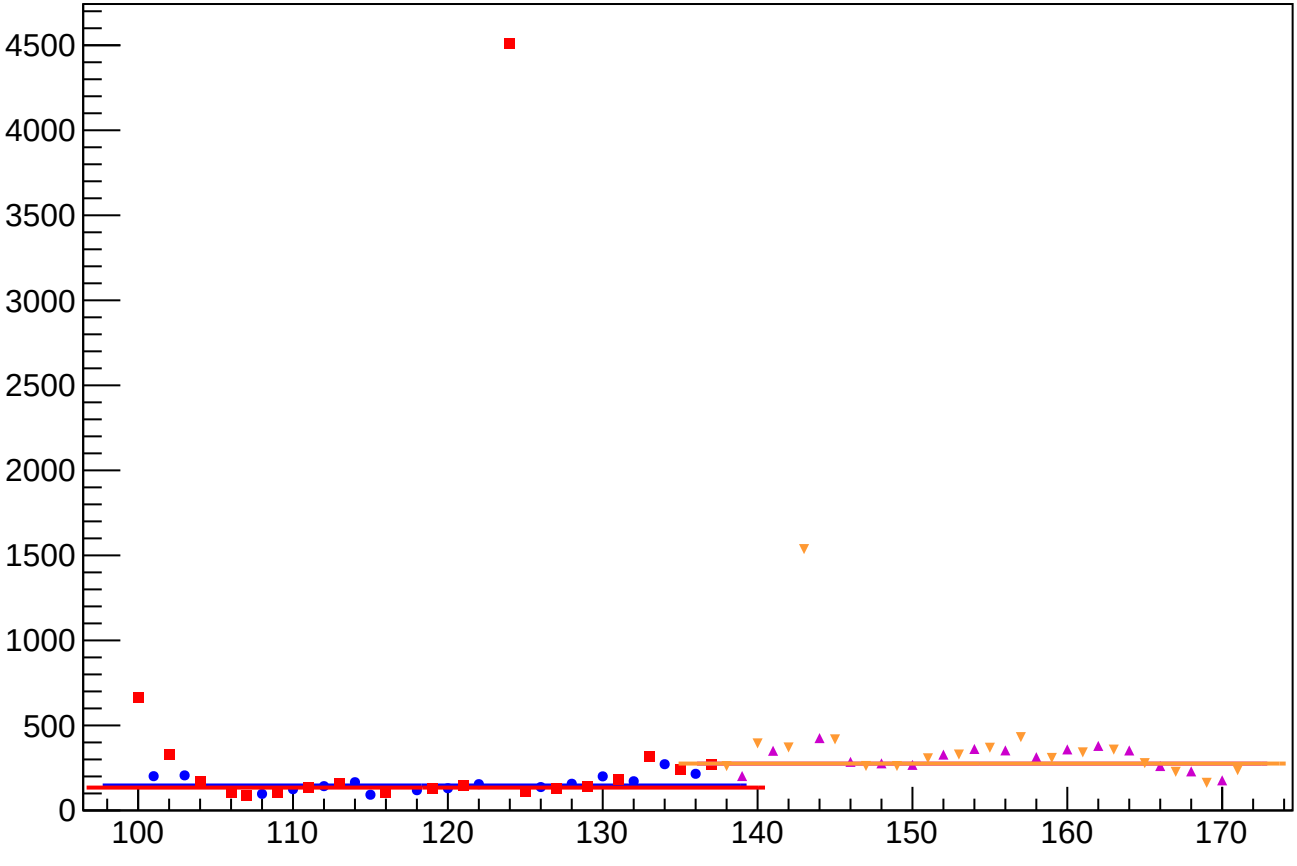
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.317+/-0.056 χ^2/NDF:1567670.2/15

Left: 275.566+/-0.039 χ^2/NDF: 4503535.3/33

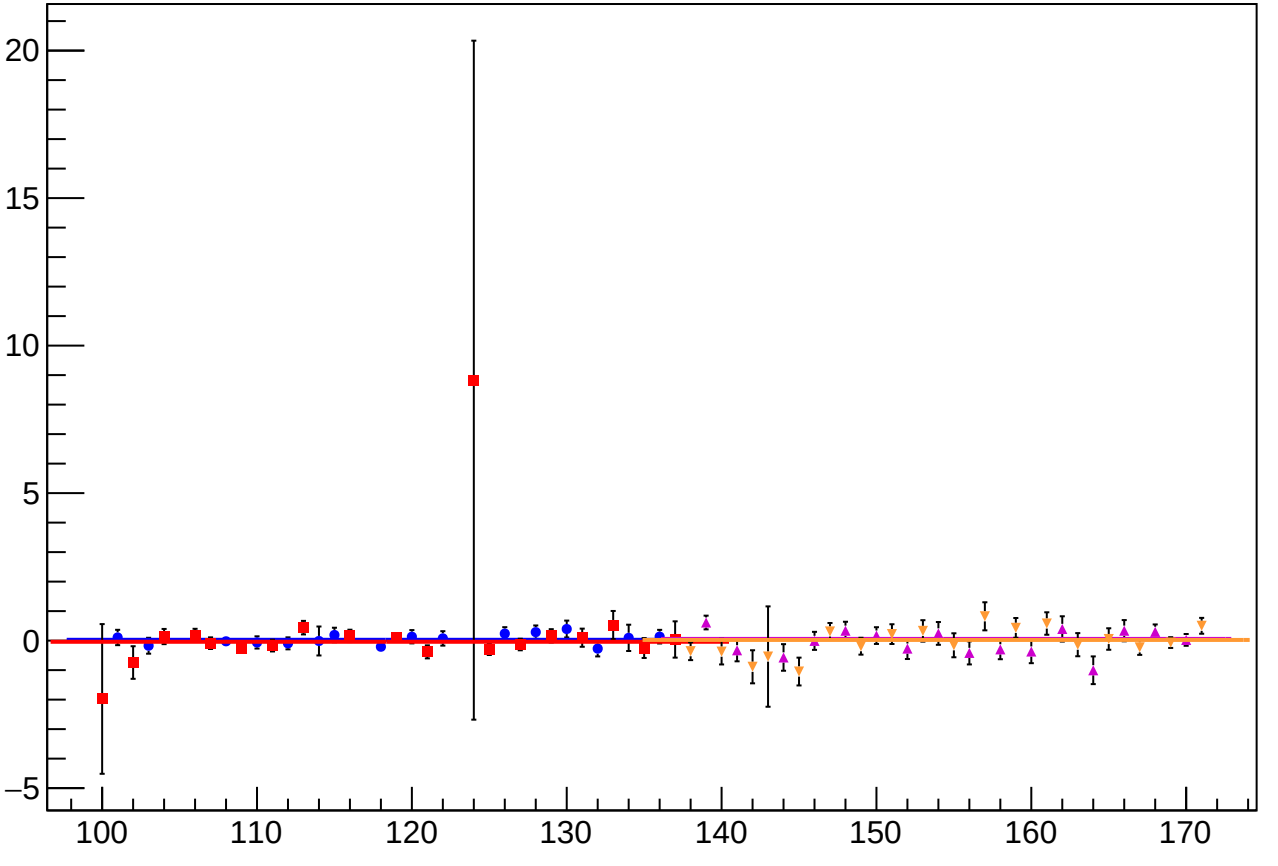
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

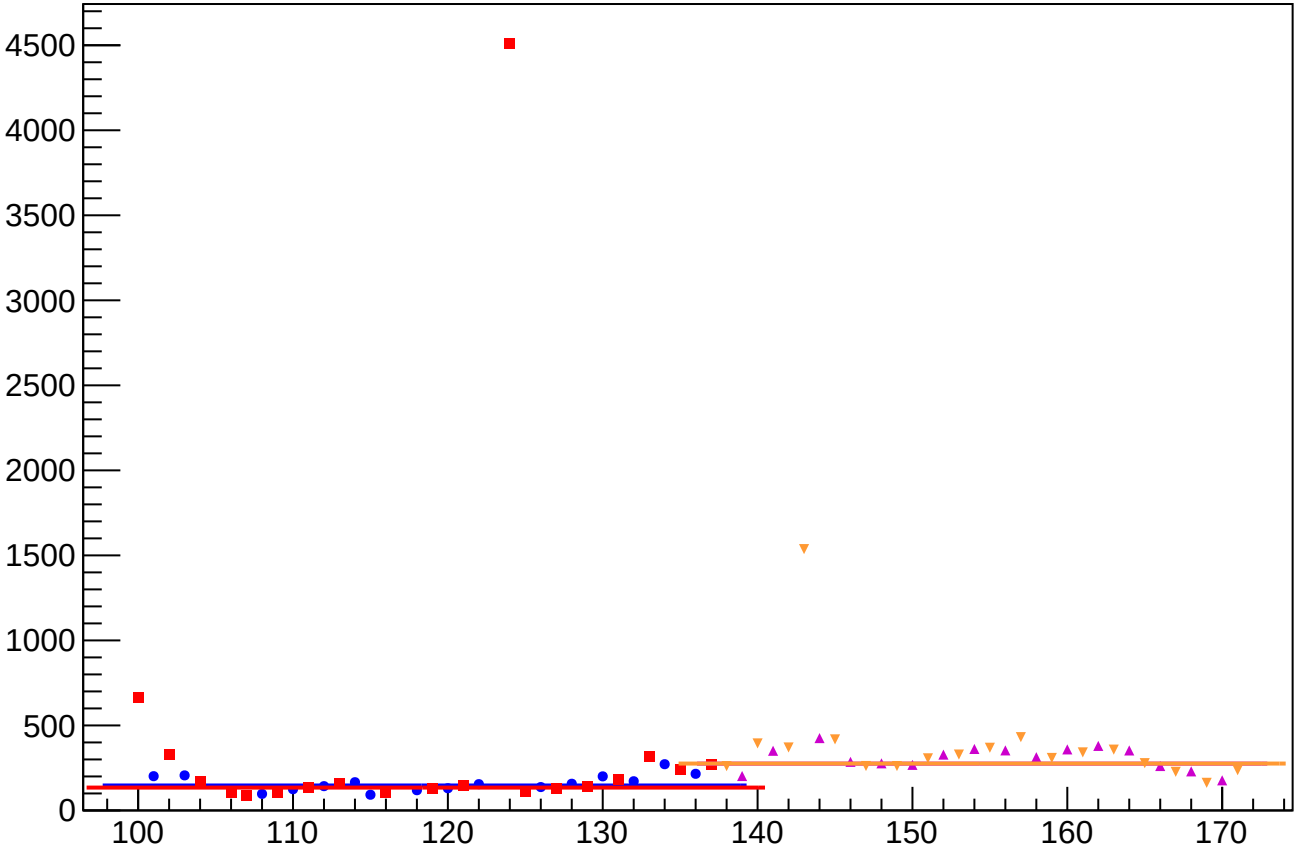
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.317+/-0.056 χ^2/NDF:1567670.2/15

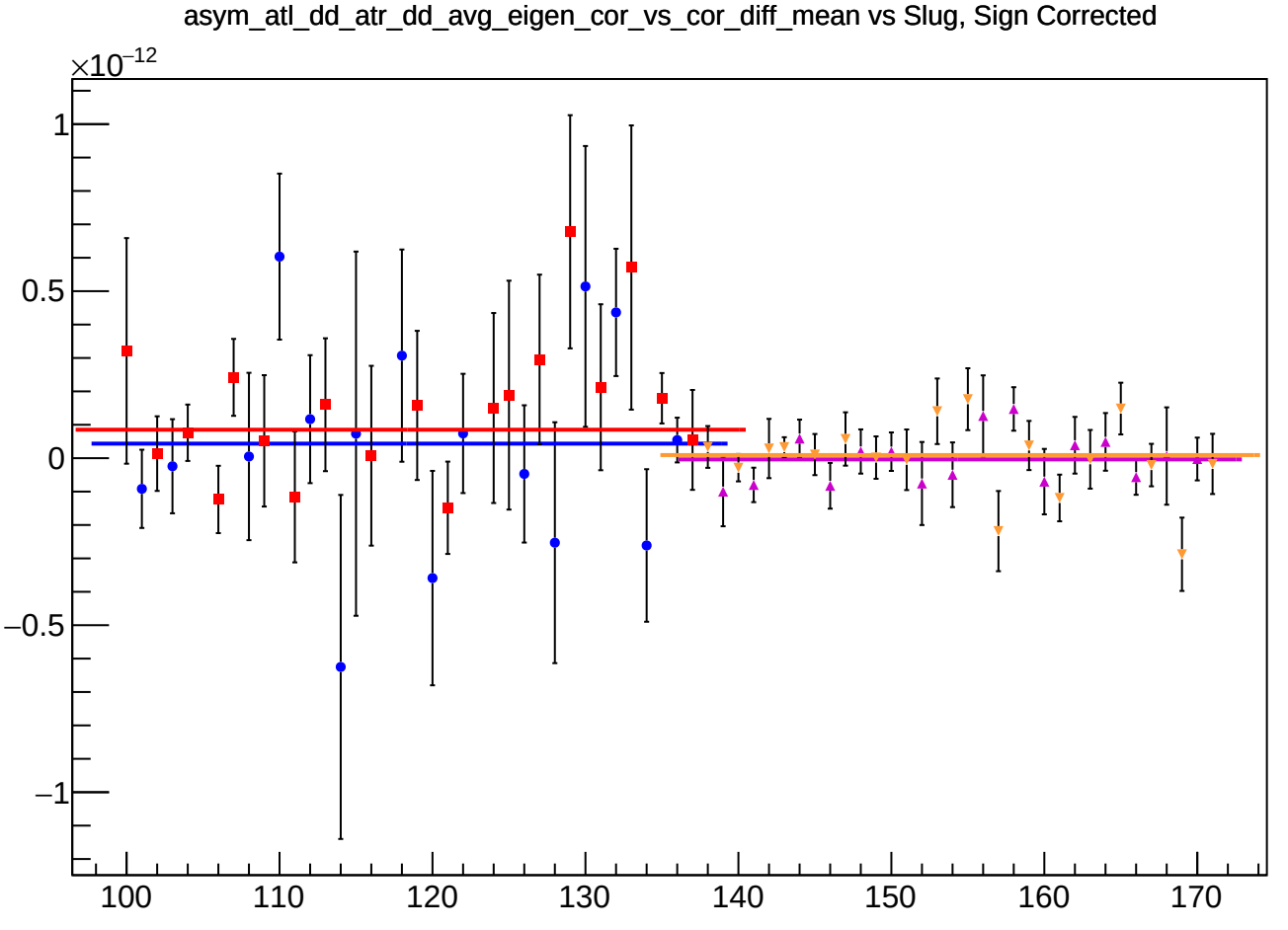
Left: 275.566+/-0.039 χ^2/NDF: 4503535.3/33

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68



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:15.1/15

Left: 0.000+/-0.000 χ^2/NDF: 40.5/33

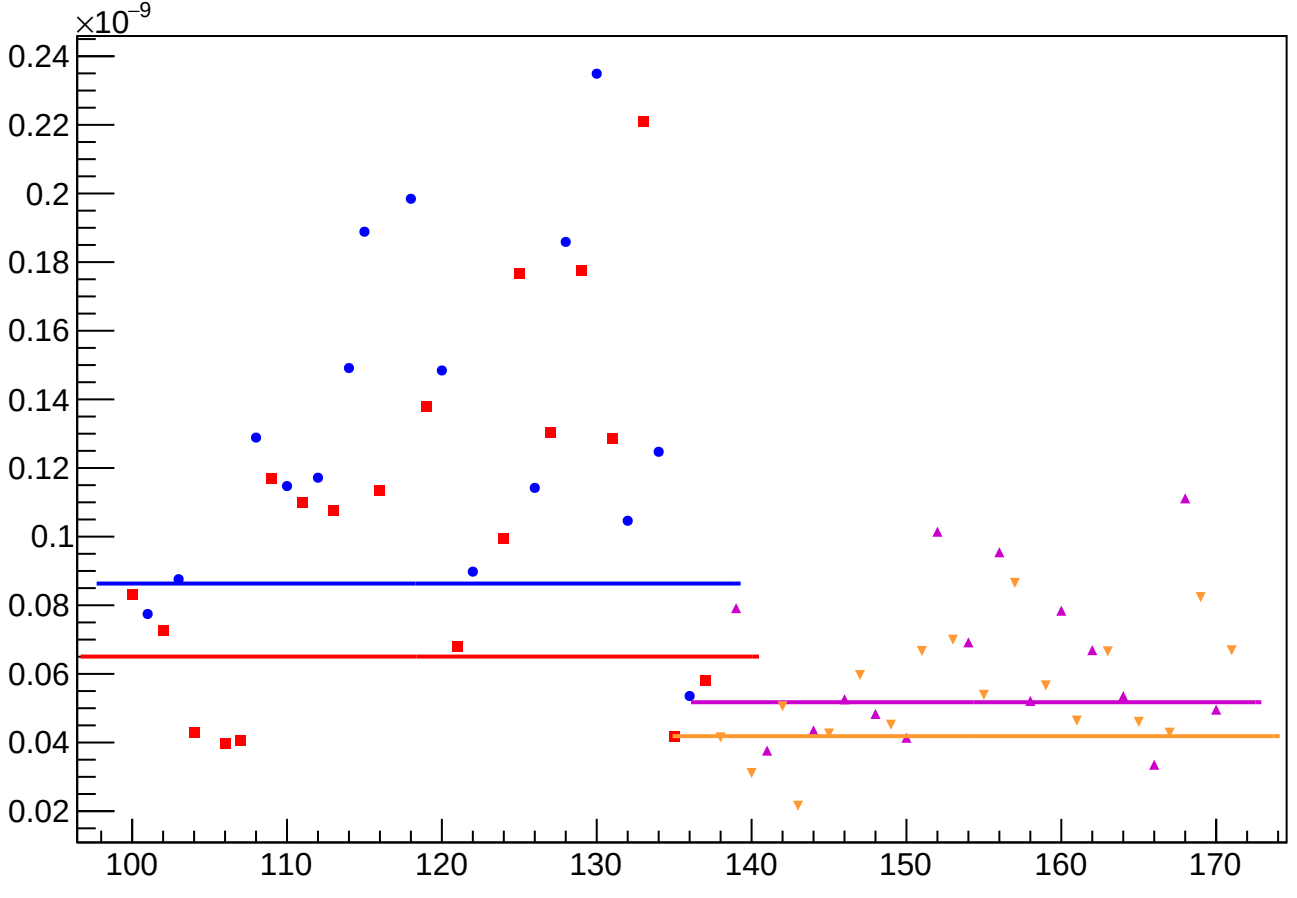
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 83.2/68

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:1829490.2/15

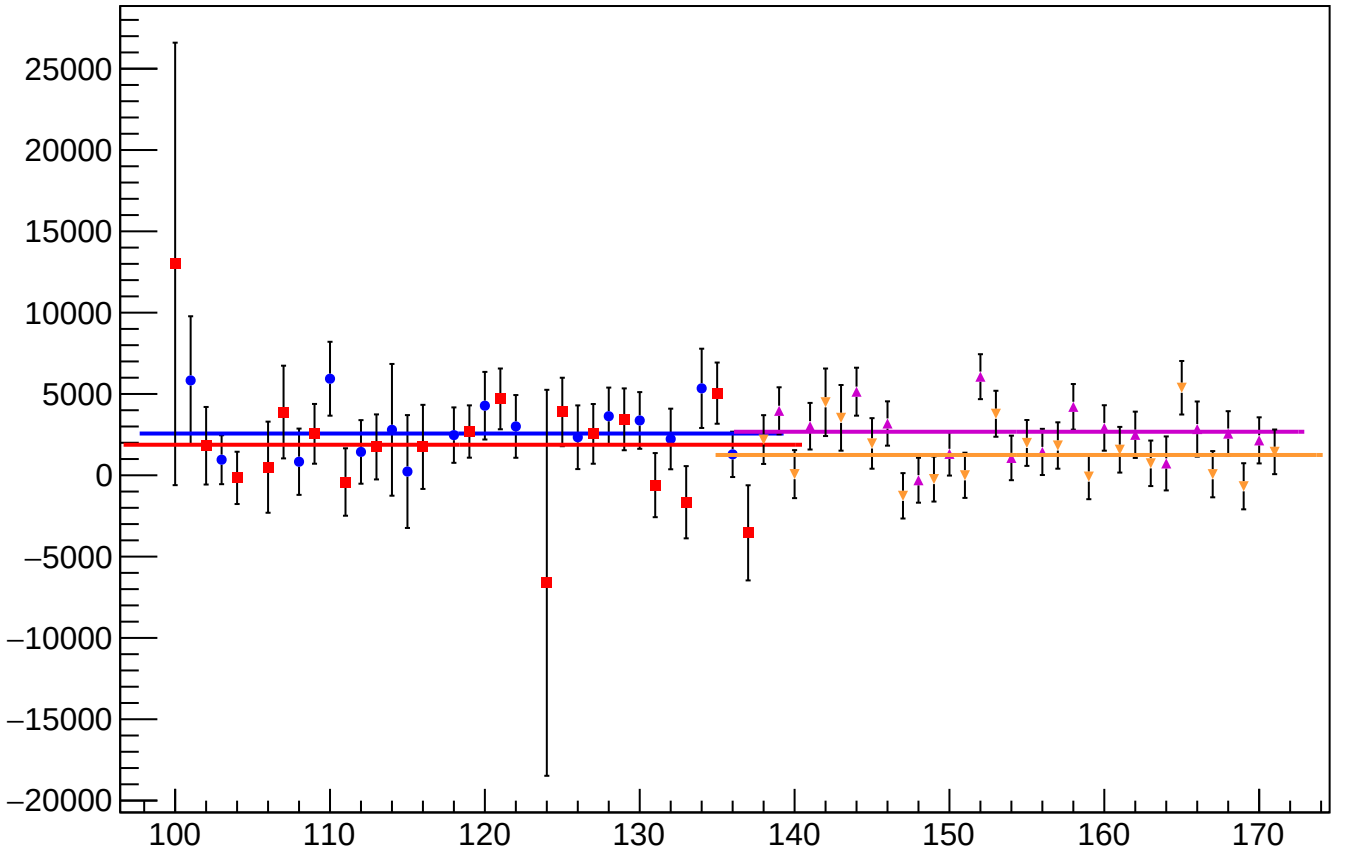
Left: 0.000+/-0.000 χ^2/NDF: 4680335.8/33

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4504215.3/31

Out: 0.000+/-0.000 χ^2/NDF:5428790.5/36

All: 0.000+/-0.000 χ^2/NDF: 10479966.1/68



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: 2676.656+/-356.864 χ^2/NDF:20.4/15

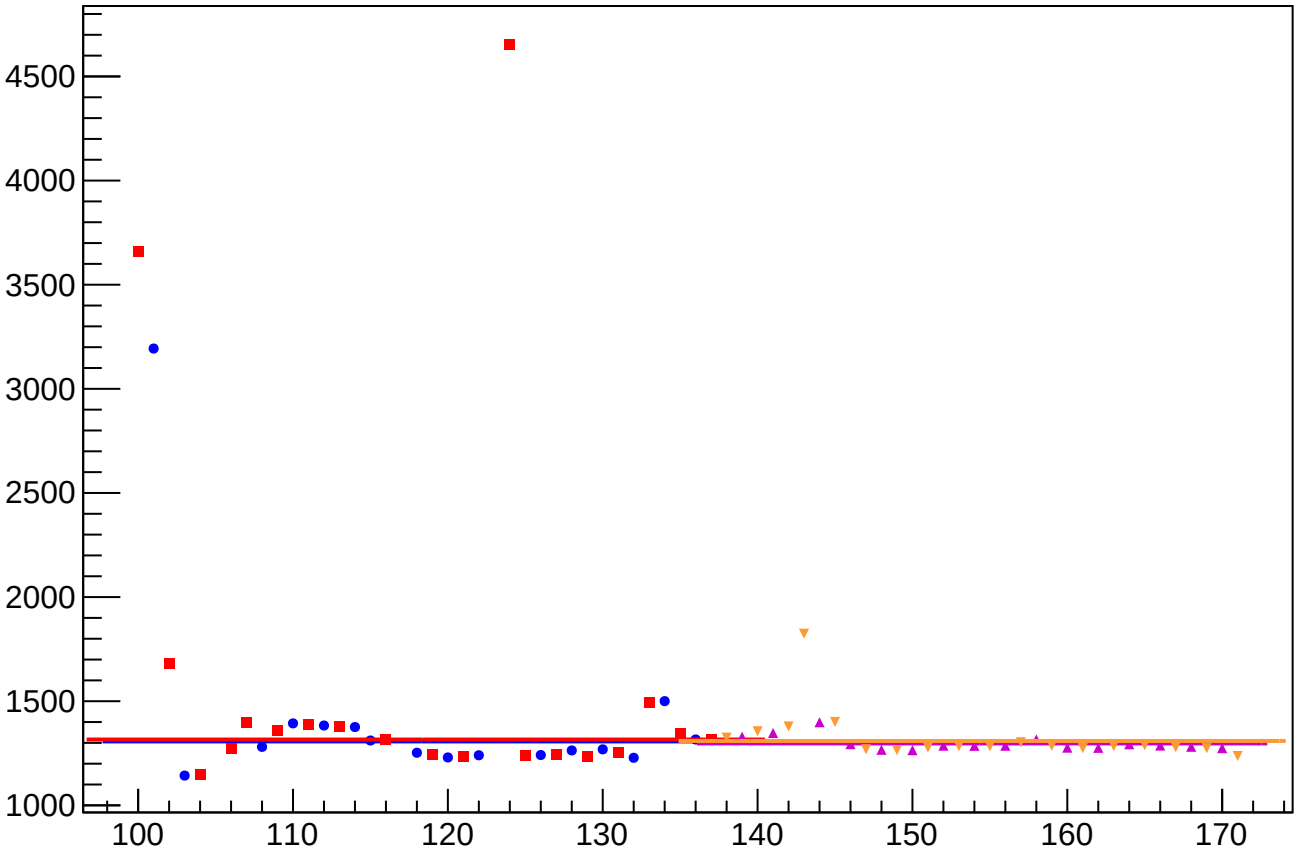
Left: 1944.306+/-249.029 χ^2/NDF: 52.4/33

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2639.348+/-289.551 χ^2/NDF:29.5/31

Out: 1457.083+/-284.456 χ^2/NDF:44.4/36

All: 2037.722+/-202.918 χ^2/NDF: 82.4/68



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: 1297.114+/-0.252 χ^2/NDF:17623.9/15

Left: 1303.297+/-0.176 χ^2/NDF: 176548.0/33

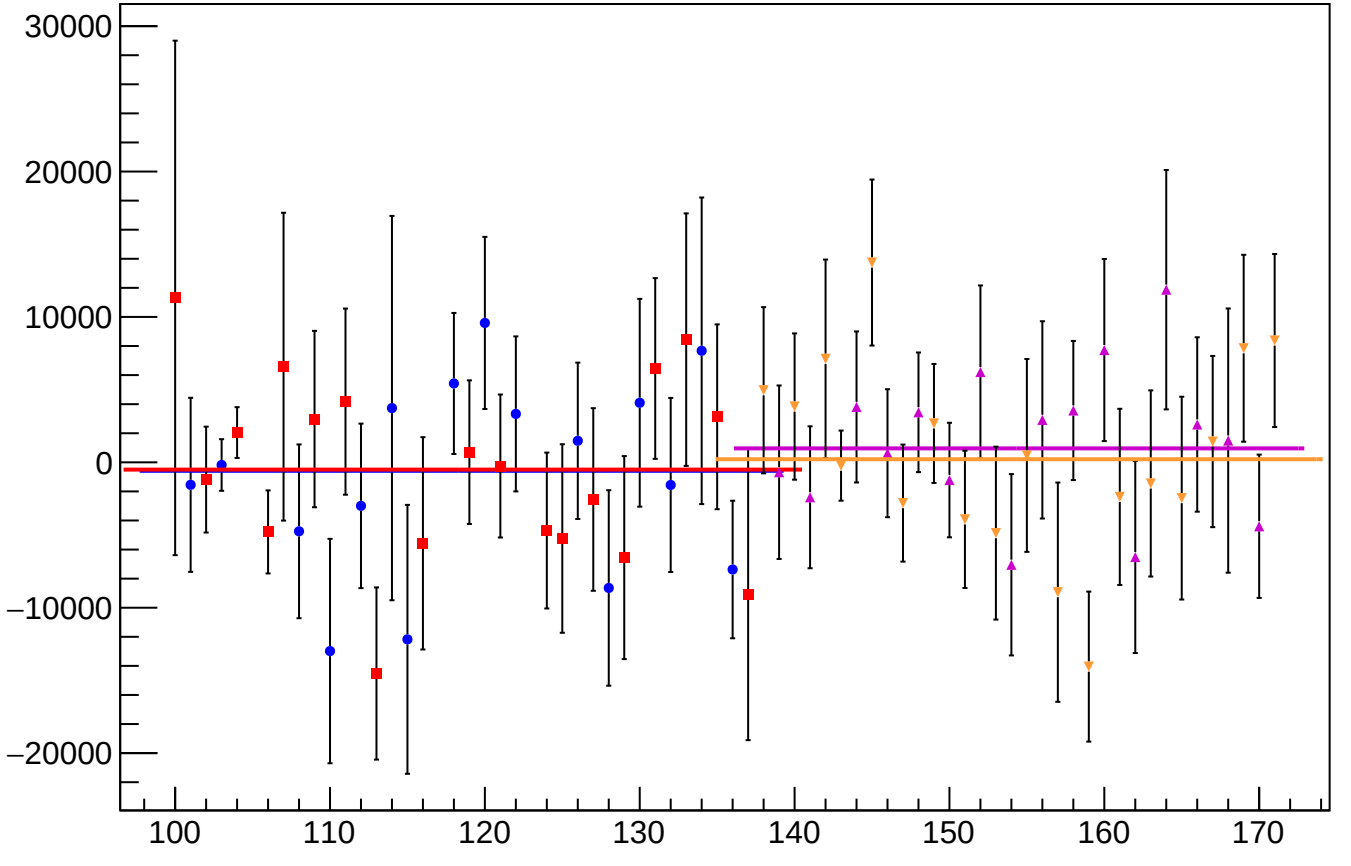
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1300.515+/-0.205 χ^2/NDF:534404.7/31

Out: 1311.433+/-0.201 χ^2/NDF:484429.9/36

All: 1306.076+/-0.143 χ^2/NDF: 1020283.0/68

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: 958.872+/-1353.474 χ^2/NDF:9.8/15

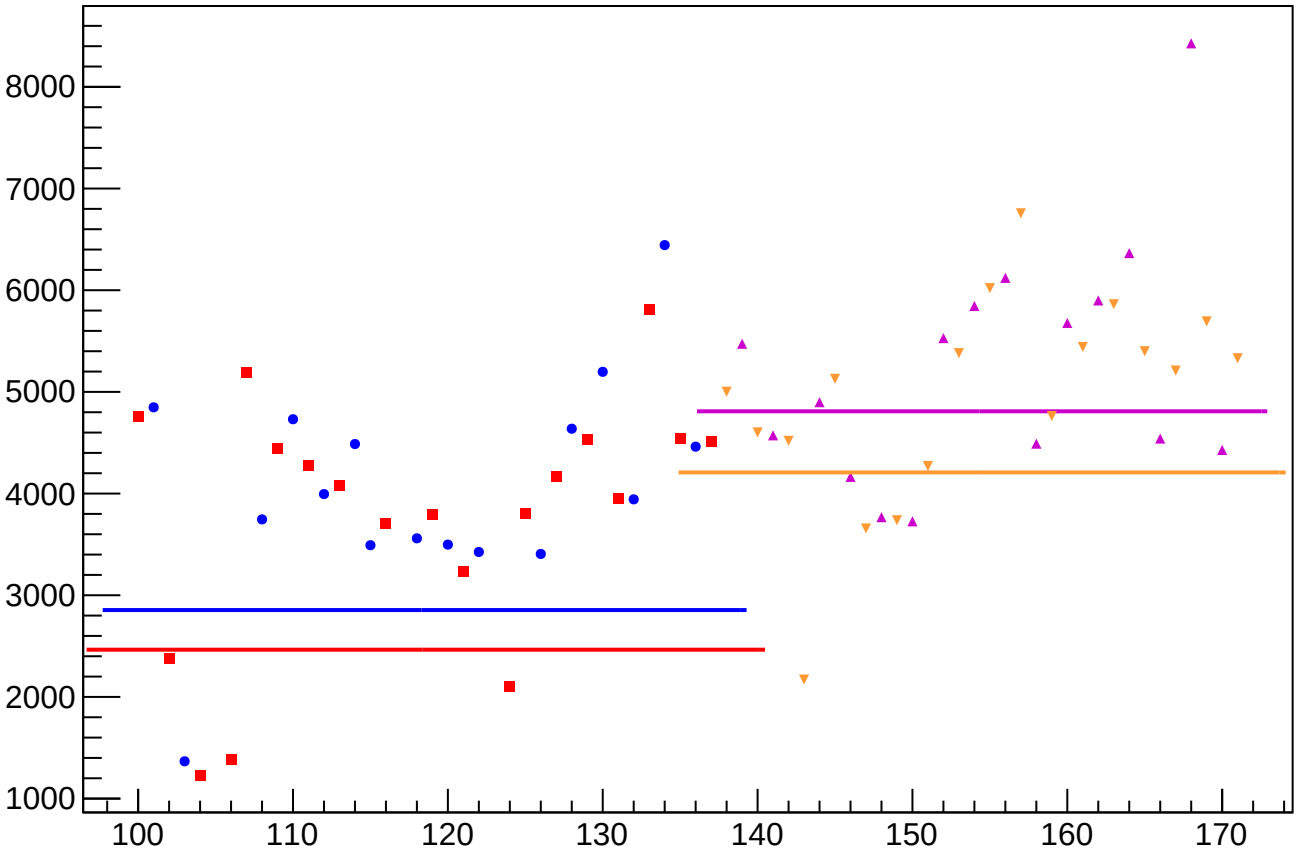
Left: 535.198+/-888.660 χ^2/NDF: 33.1/33

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: 91.748+/-894.905 χ^2/NDF:25.3/31

Out: -182.107+/-786.134 χ^2/NDF:41.1/36

All: -62.826+/-590.614 χ^2/NDF: 66.4/68



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: 4809.099+/-0.957 χ^2/NDF:1017939.5/15

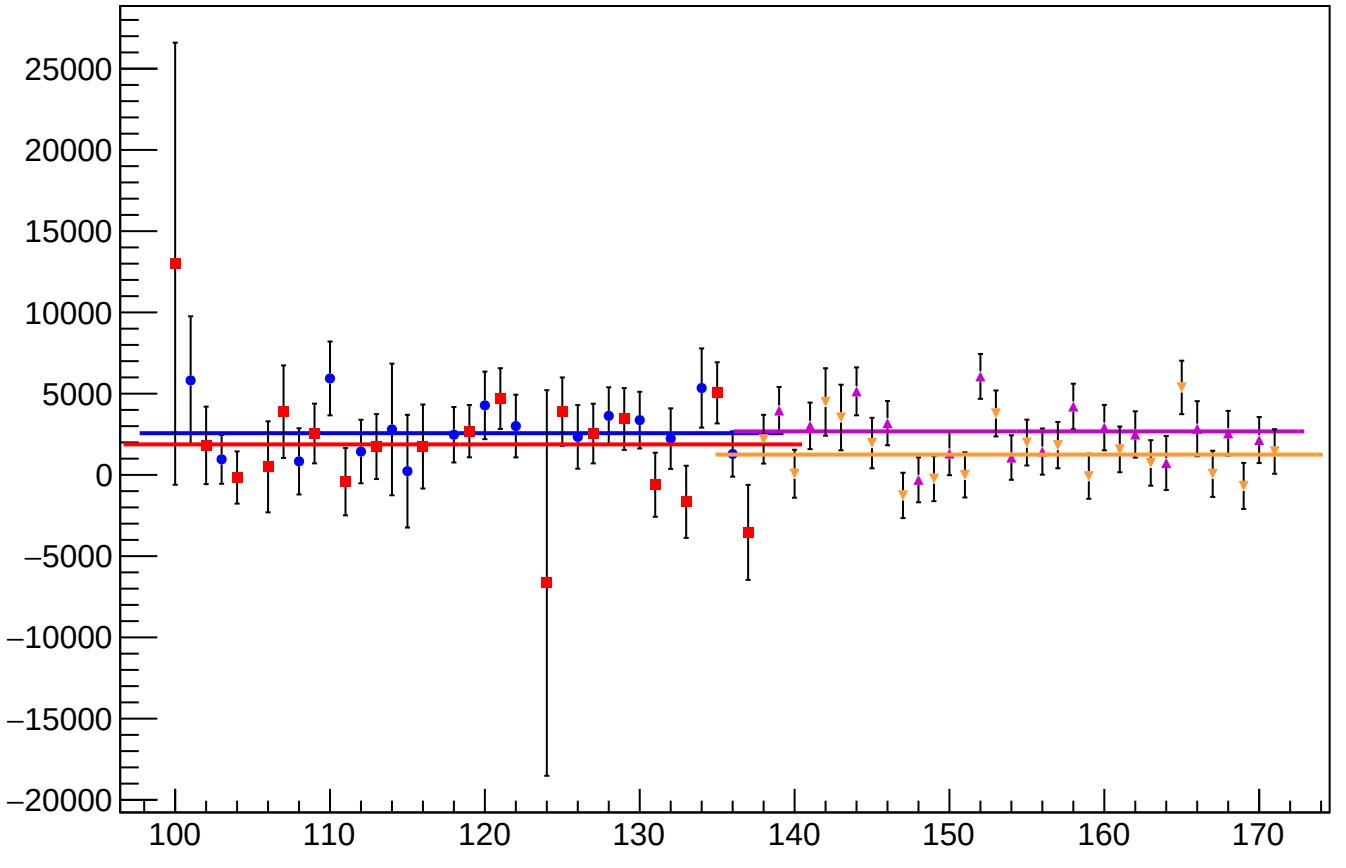
Left: 4467.085+/-0.628 χ^2/NDF: 3831688.0/33

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3708.888+/-0.633 χ^2/NDF:6270818.5/31

Out: 3240.736+/-0.556 χ^2/NDF:8374558.8/36

All: 3444.646+/-0.418 χ^2/NDF: 14954309.9/6



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: 2676.687+/-356.864 χ^2/NDF:20.4/15

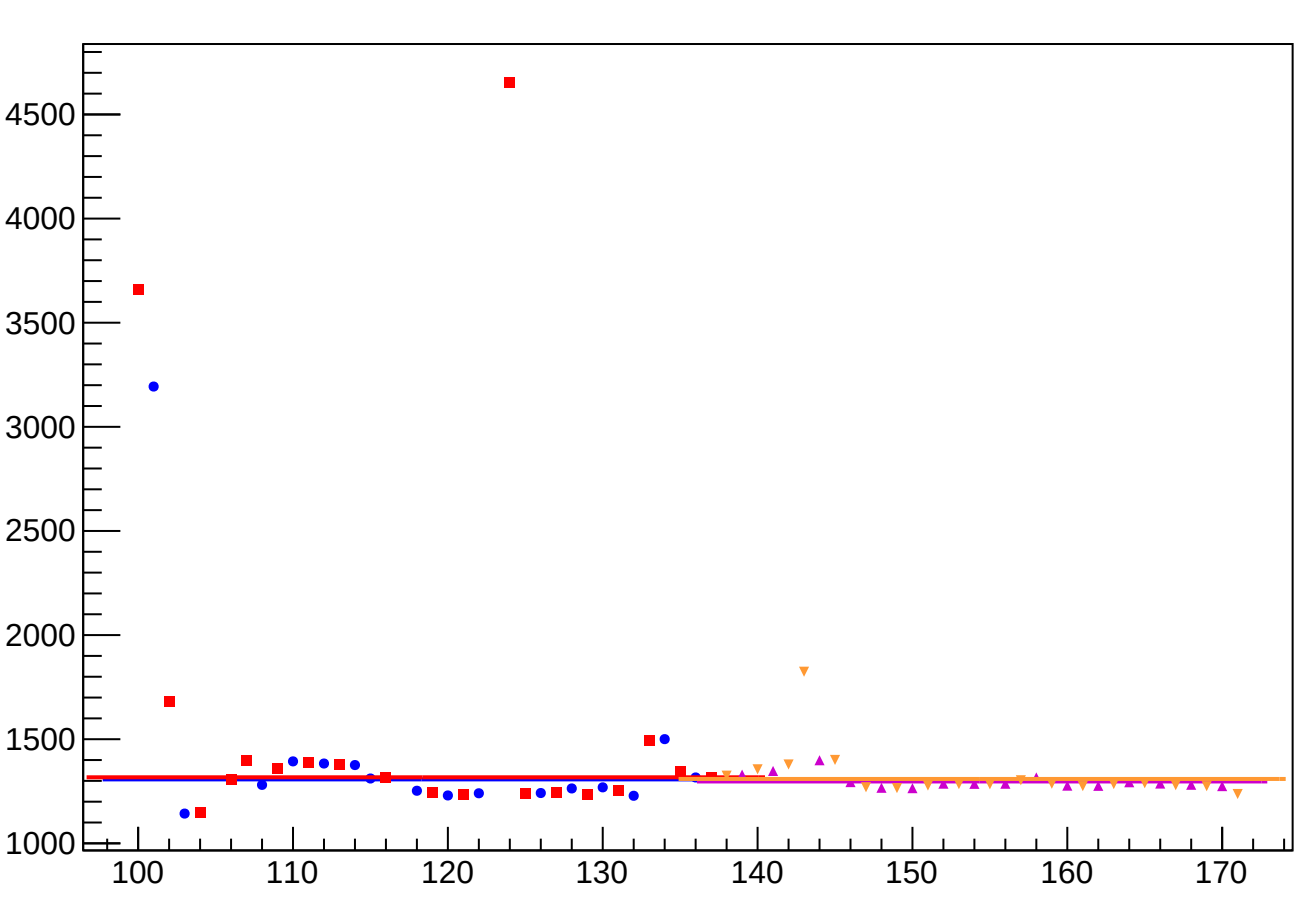
Left: 1944.284+/-249.029 χ^2/NDF: 52.4/33

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2639.272+/-289.551 χ^2/NDF:29.5/31

Out: 1456.949+/-284.456 χ^2/NDF:44.4/36

All: 2037.617+/-202.918 χ^2/NDF: 82.4/68



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: 1297.114+/-0.252 χ^2/NDF:17623.9/15

Left: 1303.297+/-0.176 χ^2/NDF: 176548.0/33

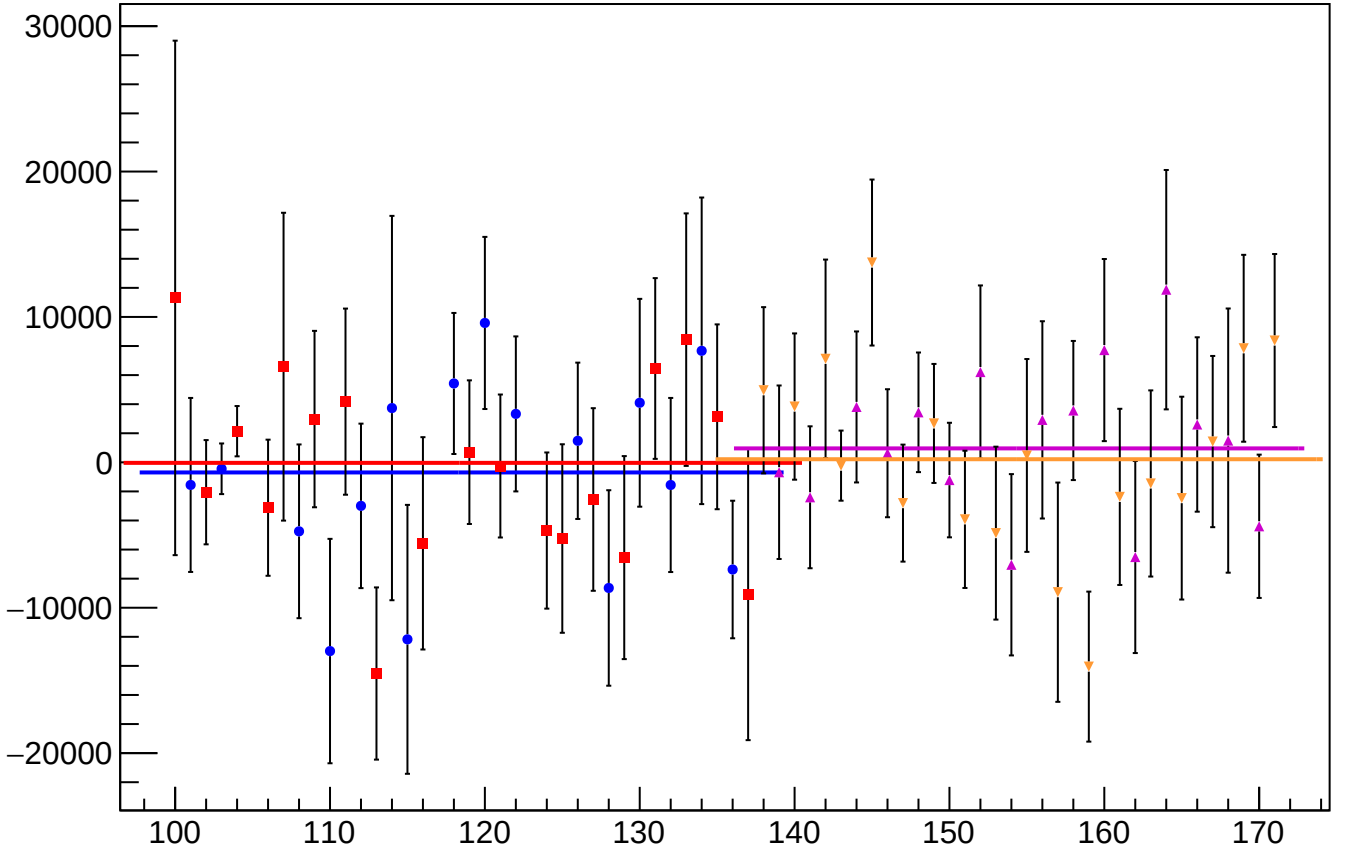
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1300.515+/-0.205 χ^2/NDF:534406.2/31

Out: 1311.805+/-0.201 χ^2/NDF:484028.0/36

All: 1306.264+/-0.143 χ^2/NDF: 1019982.6/68

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: 958.931+/-1353.473 χ^2/NDF:9.8/15

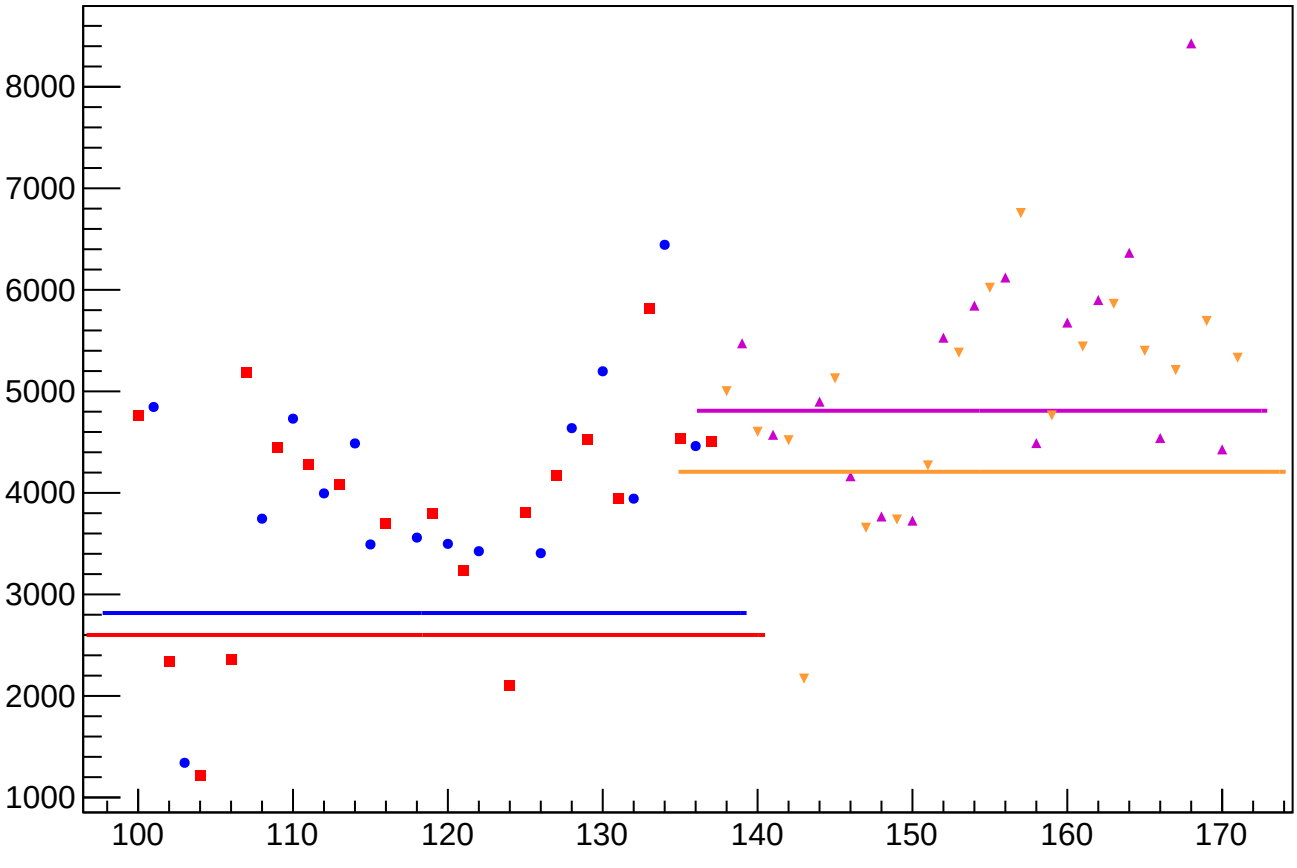
Left: 535.212+/-888.658 χ^2/NDF: 33.1/33

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 20.776+/-890.476 χ^2/NDF:25.3/31

Out: 80.230+/-803.337 χ^2/NDF:39.1/36

All: 53.553+/-596.480 χ^2/NDF: 64.4/68



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: 4809.096+/-0.957 χ^2/NDF:1017947.3/15

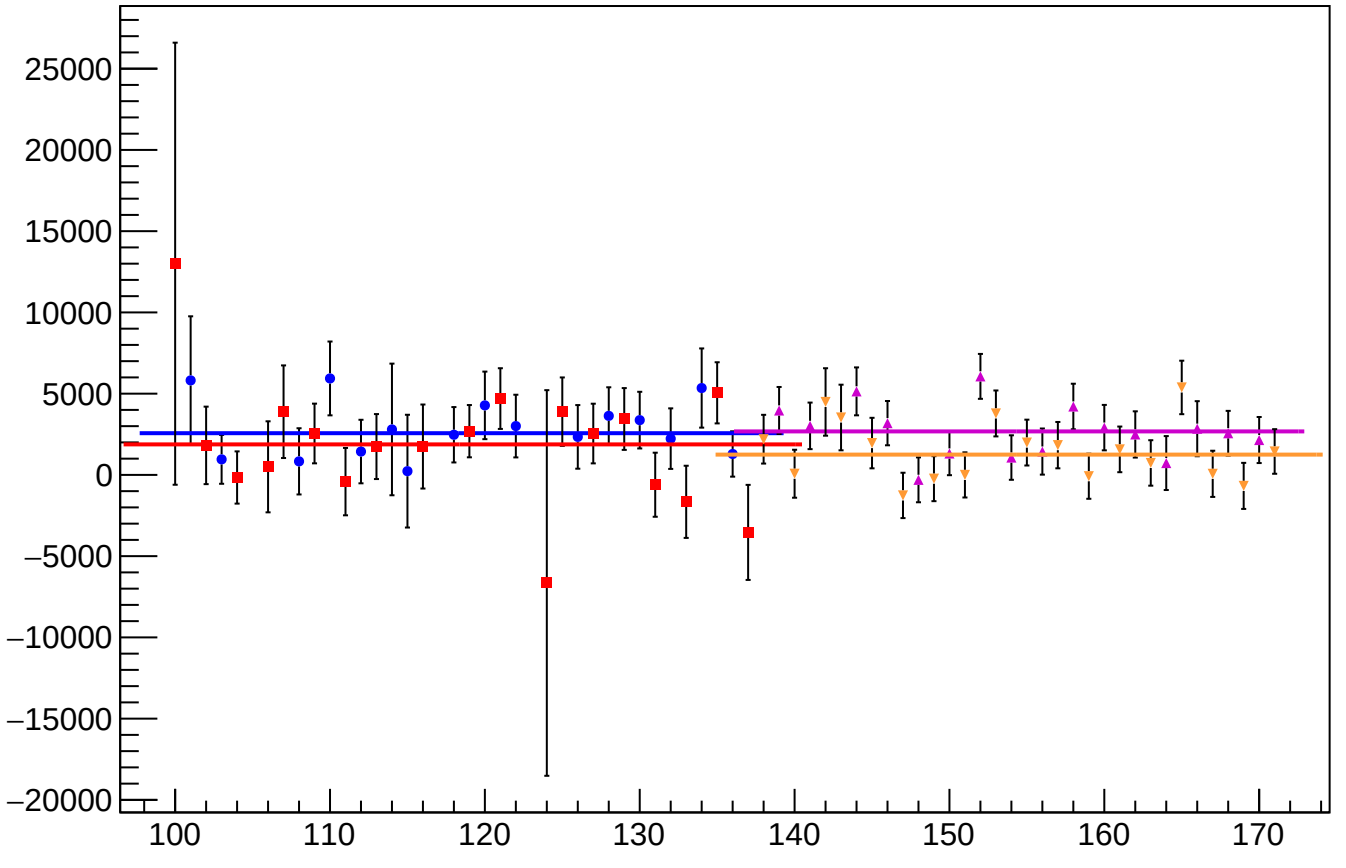
Left: 4467.071+/-0.628 χ^2/NDF: 3831790.4/33

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3679.172+/-0.630 χ^2/NDF:6483266.0/31

Out: 3347.808+/-0.568 χ^2/NDF:7662008.7/36

All: 3496.488+/-0.422 χ^2/NDF: 14297957.9/6



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: 2676.687+/-356.864 χ^2/NDF:20.4/15

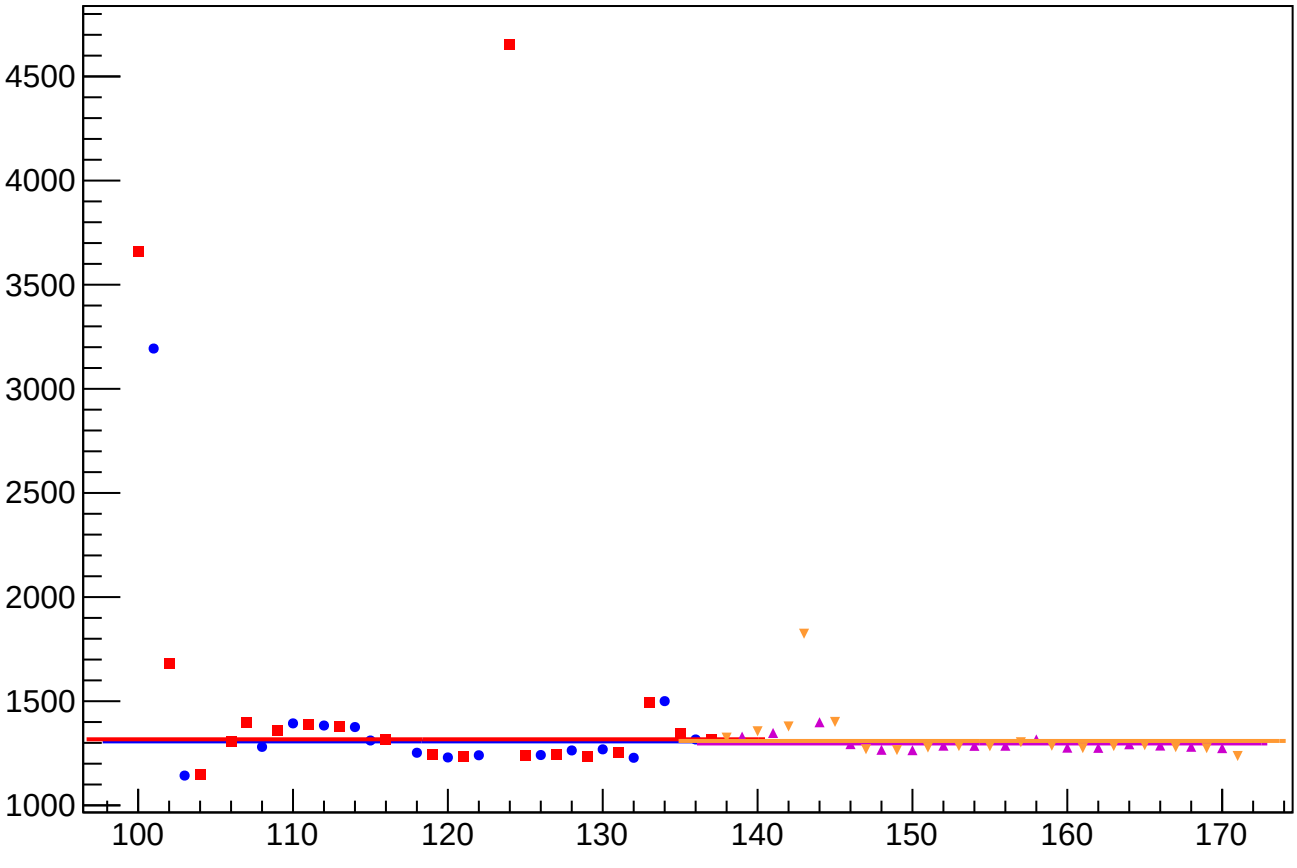
Left: 1944.284+/-249.029 χ^2/NDF: 52.4/33

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2639.272+/-289.551 χ^2/NDF:29.5/31

Out: 1456.949+/-284.456 χ^2/NDF:44.4/36

All: 2037.617+/-202.918 χ^2/NDF: 82.4/68



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: 1297.114+/-0.252 χ^2/NDF:17623.9/15

Left: 1303.297+/-0.176 χ^2/NDF: 176548.0/33

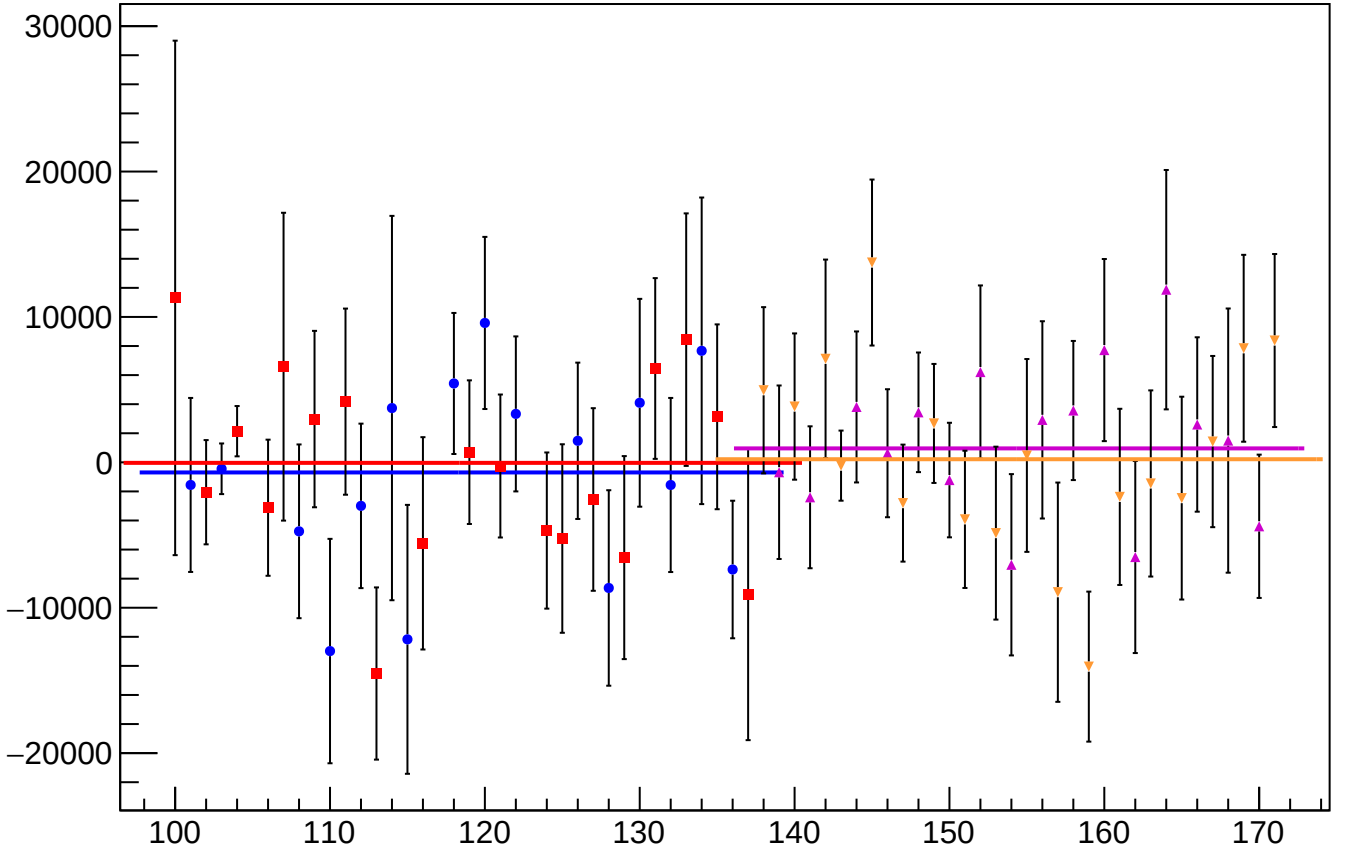
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1300.515+/-0.205 χ^2/NDF:534406.2/31

Out: 1311.805+/-0.201 χ^2/NDF:484028.0/36

All: 1306.264+/-0.143 χ^2/NDF: 1019982.6/68

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: 958.931+/-1353.473 χ^2/NDF:9.8/15

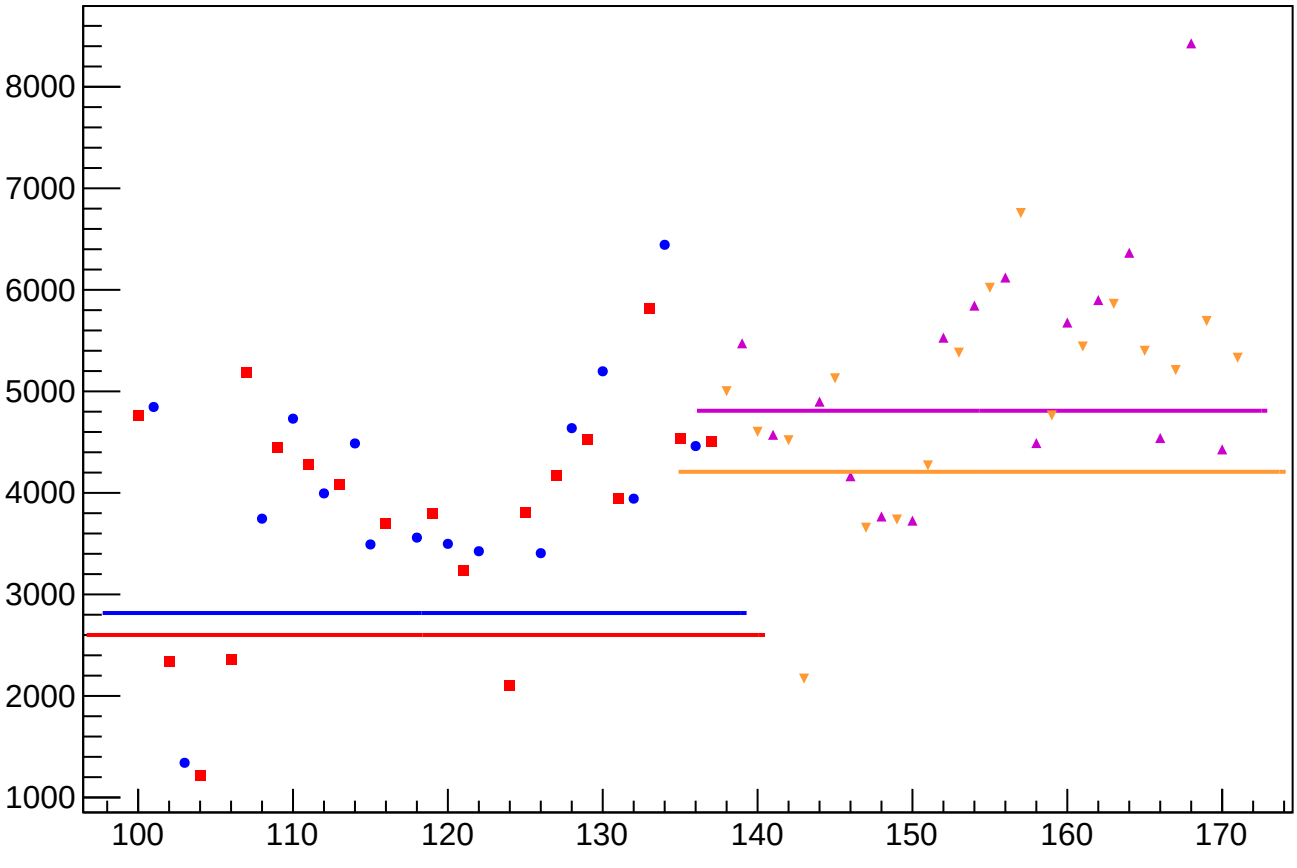
Left: 535.212+/-888.658 χ^2/NDF: 33.1/33

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: 20.776+/-890.476 χ^2/NDF:25.3/31

Out: 80.230+/-803.337 χ^2/NDF:39.1/36

All: 53.553+/-596.480 χ^2/NDF: 64.4/68



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: 4809.096+/-0.957 χ^2/NDF:1017947.3/15

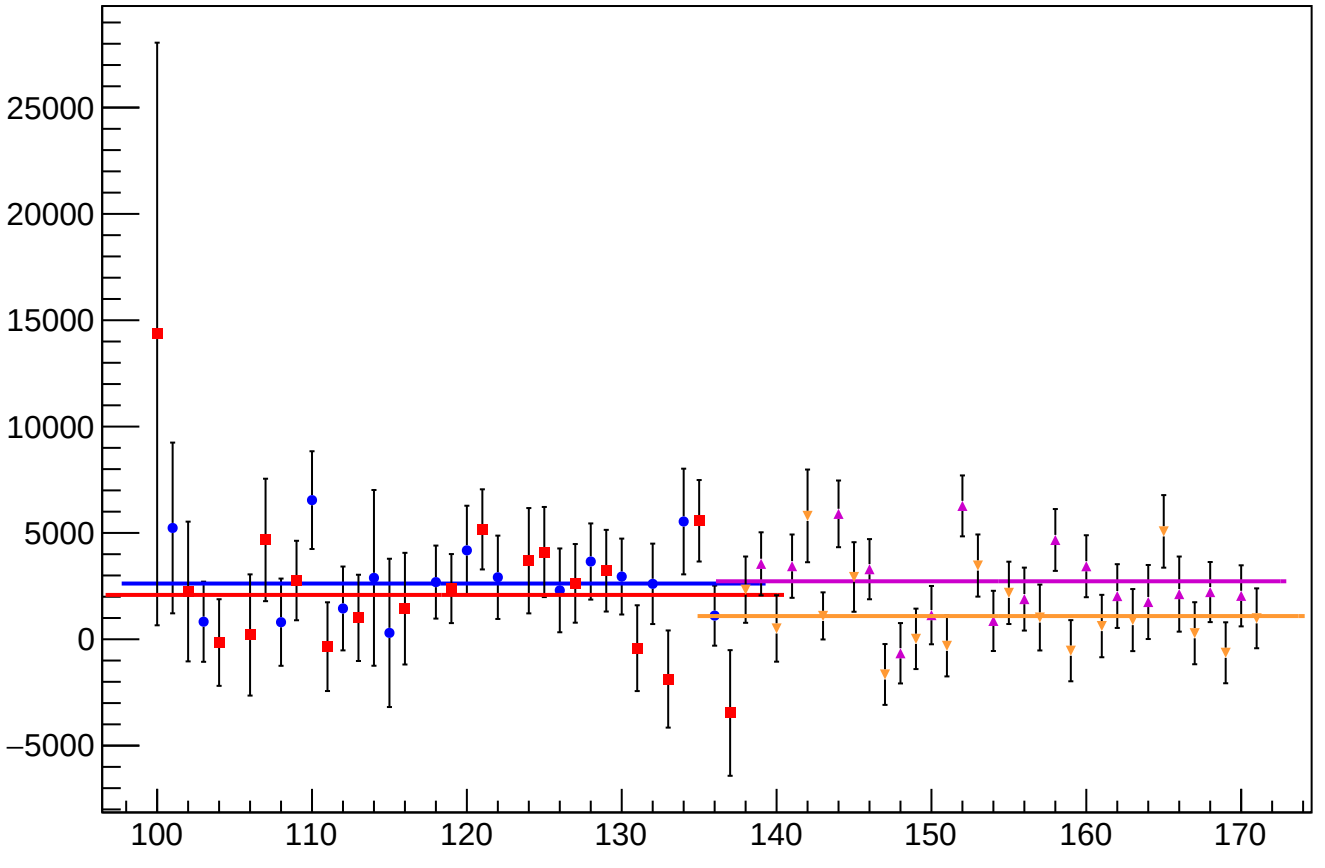
Left: 4467.071+/-0.628 χ^2/NDF: 3831790.4/33

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3679.172+/-0.630 χ^2/NDF:6483266.0/31

Out: 3347.808+/-0.568 χ^2/NDF:7662008.7/36

All: 3496.488+/-0.422 χ^2/NDF: 14297957.9/6



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: 2726.645+/-369.856 χ^2/NDF:23.0/15

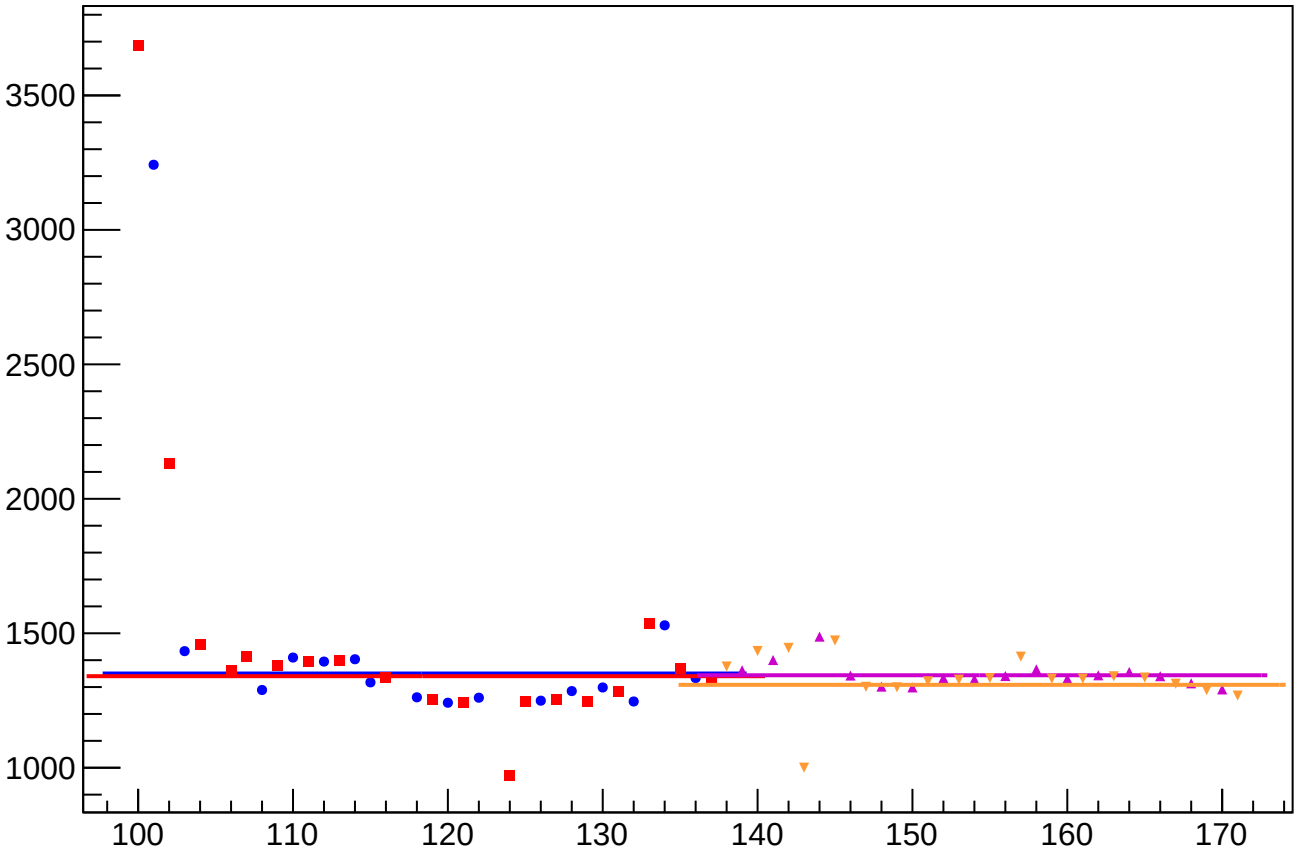
Left: 1858.853+/-253.396 χ^2/NDF: 57.1/33

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2690.214+/-299.714 χ^2/NDF:32.4/31

Out: 1411.305+/-286.453 χ^2/NDF:47.3/36

All: 2021.841+/-207.082 χ^2/NDF: 89.2/68



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: 1343.884+/-0.262 χ^2/NDF:28556.0/15

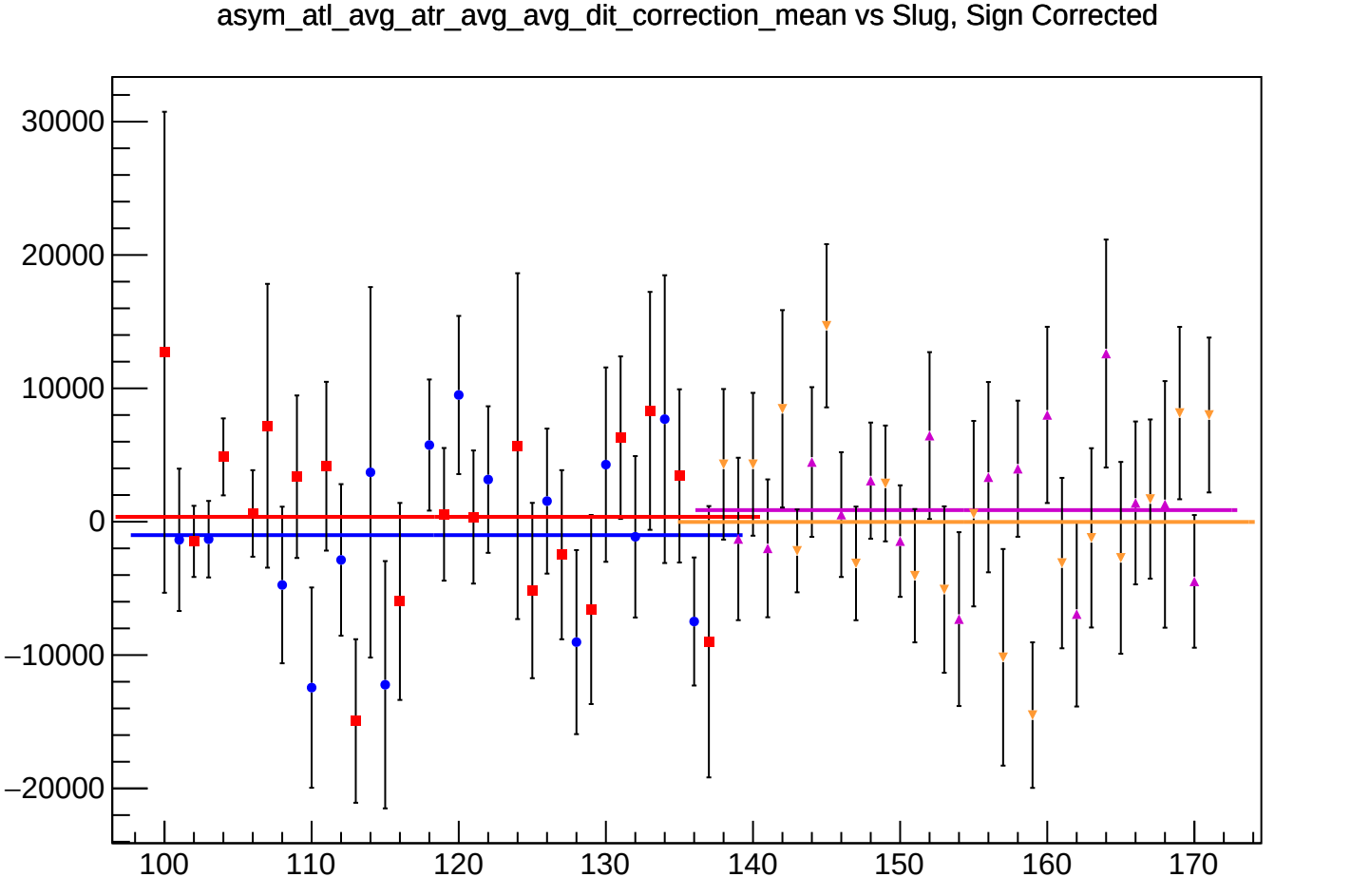
Left: 1324.989+/-0.179 χ^2/NDF: 253092.2/33

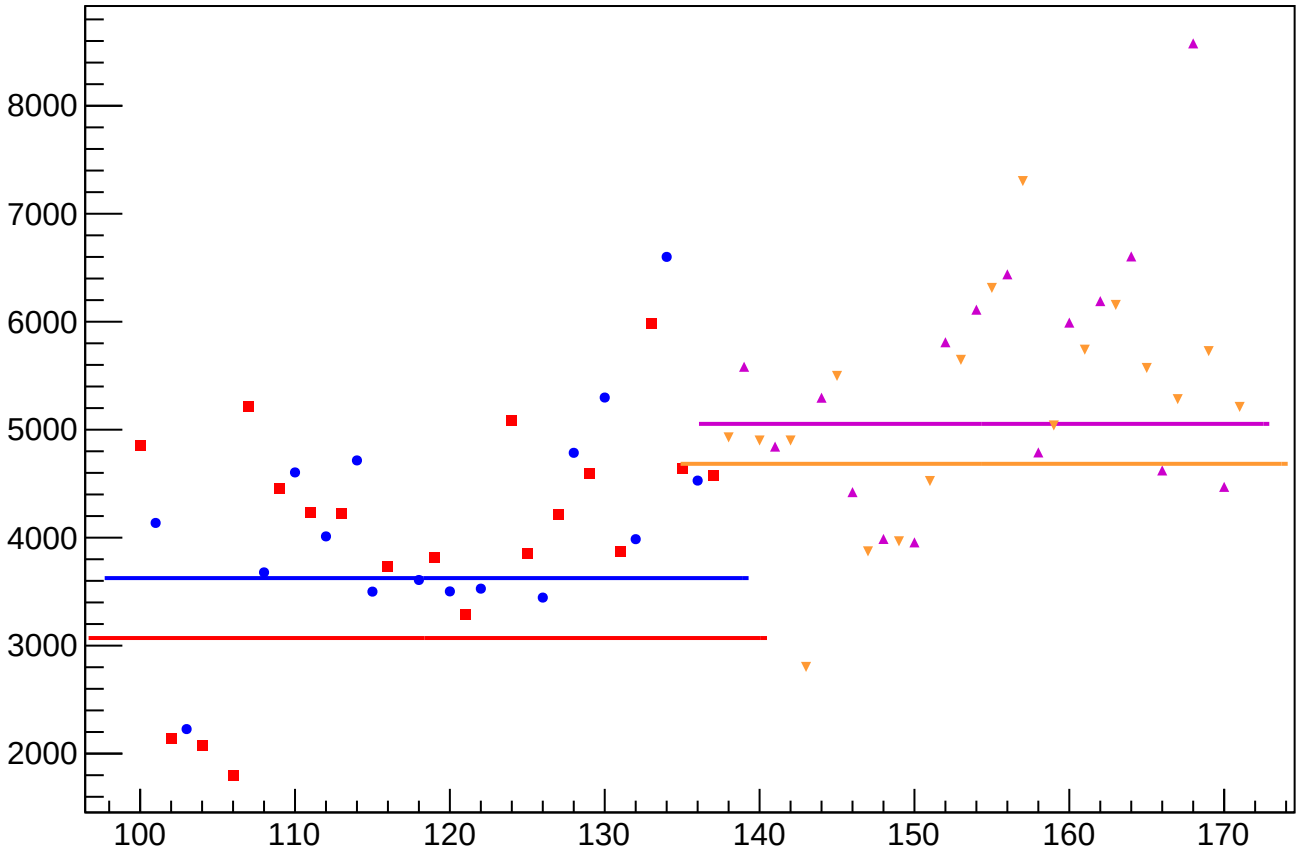
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1346.111+/-0.212 χ^2/NDF:522818.2/31

Out: 1318.634+/-0.203 χ^2/NDF:492387.8/36

All: 1331.748+/-0.146 χ^2/NDF: 1023992.2/68


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: 870.881+/-1421.005 χ²/NDF:9.8/15
Left: 381.559+/-953.075 χ²/NDF: 33.7/33
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -78.931+/-998.901 χ²/NDF:25.2/31
Out: 185.657+/-877.995 χ²/NDF:40.0/36
All: 70.336+/-659.463 χ²/NDF: 65.3/68



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: 5053.863+/-1.005 χ^2/NDF:966794.7/15

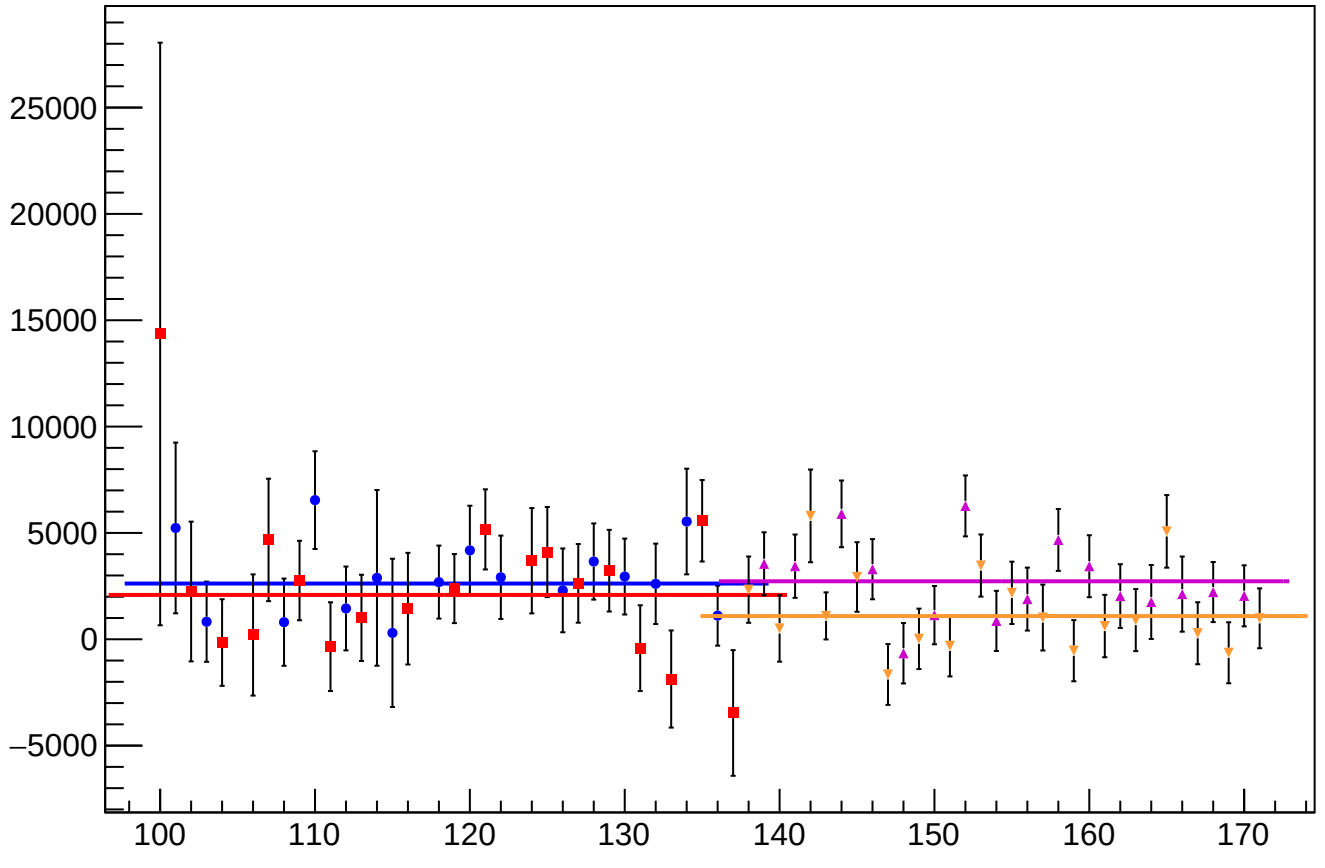
Left: 4850.331+/-0.674 χ^2/NDF: 2591215.0/33

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4331.323+/-0.706 χ^2/NDF:2933899.9/31

Out: 3823.756+/-0.621 χ^2/NDF:5069614.3/36

All: 4044.978+/-0.466 χ^2/NDF: 8294831.7/68



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: 2726.646+/-369.856 χ^2/NDF:23.0/15

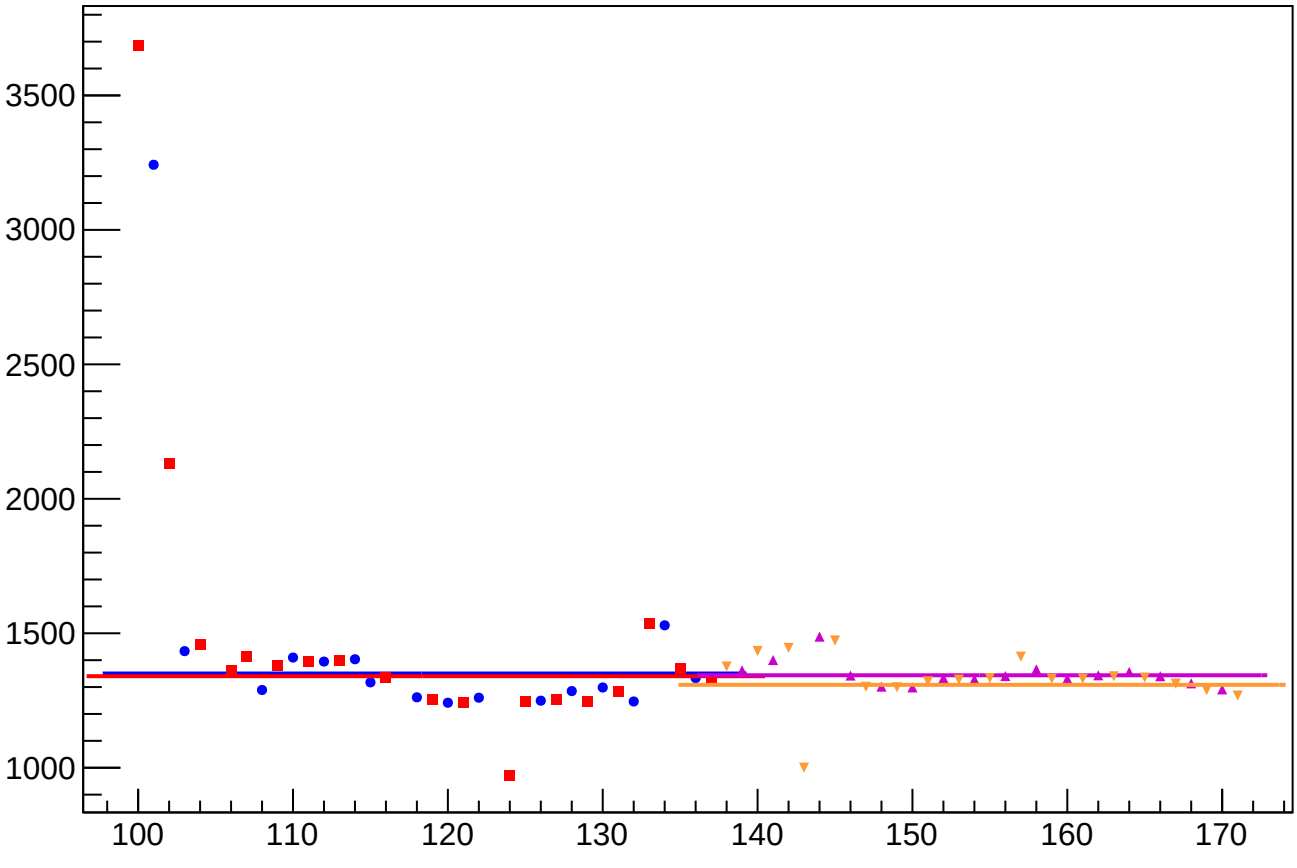
Left: 1858.851+/-253.396 χ^2/NDF: 57.1/33

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2690.216+/-299.714 χ^2/NDF:32.4/31

Out: 1411.303+/-286.453 χ^2/NDF:47.3/36

All: 2021.840+/-207.082 χ^2/NDF: 89.2/68



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: 1343.885+/-0.262 χ^2/NDF:28556.4/15

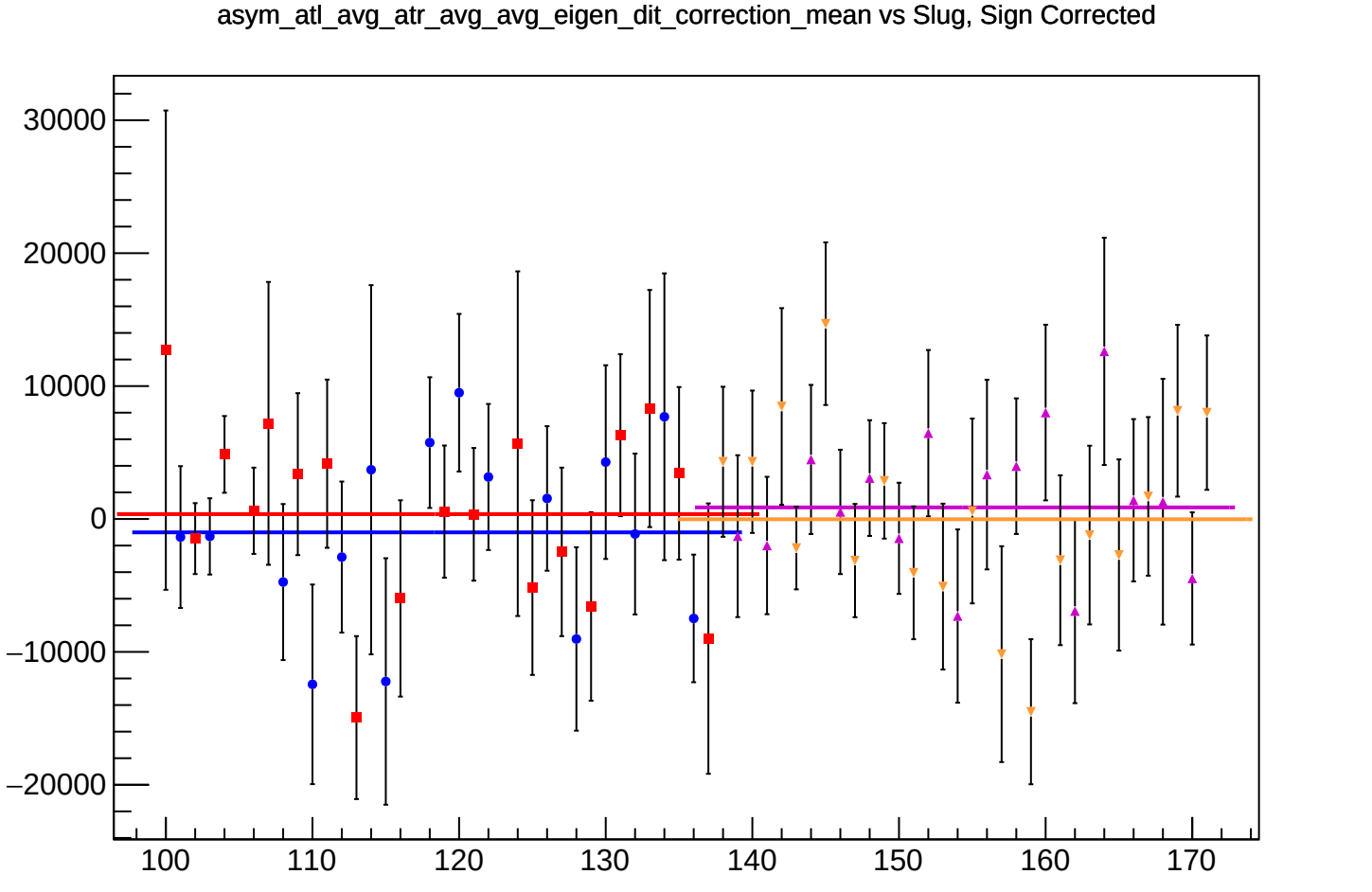
Left: 1324.990+/-0.179 χ^2/NDF: 253093.8/33

Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

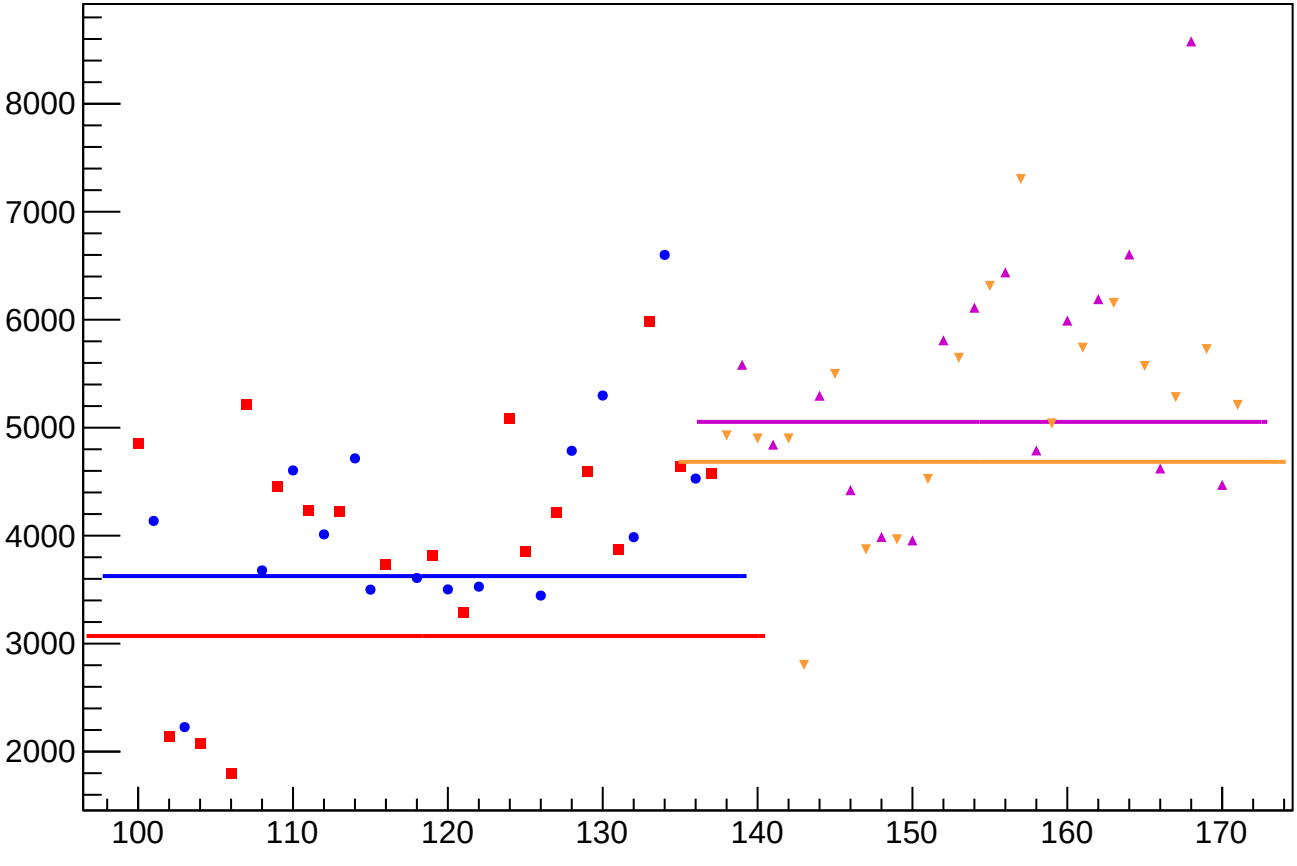
In: 1346.111+/-0.212 χ^2/NDF:522818.6/31

Out: 1318.635+/-0.203 χ^2/NDF:492387.3/36

All: 1331.749+/-0.146 χ^2/NDF: 1023992.2/68


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: 870.879+/-1421.007 χ²/NDF:9.8/15
Left: 381.557+/-953.076 χ²/NDF: 33.7/33
Right: -215.528+/-913.428 χ²/NDF: 31.4/34
In: -78.931+/-998.900 χ²/NDF:25.2/31
Out: 185.657+/-877.995 χ²/NDF:40.0/36
All: 70.336+/-659.462 χ²/NDF: 65.3/68

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3625.503+/-0.993 χ^2/NDF: 944907.6/15

Left Out: 4683.916+/-0.909 χ^2/NDF:1549841.2/17

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 5053.870+/-1.005 χ^2/NDF:966796.8/15

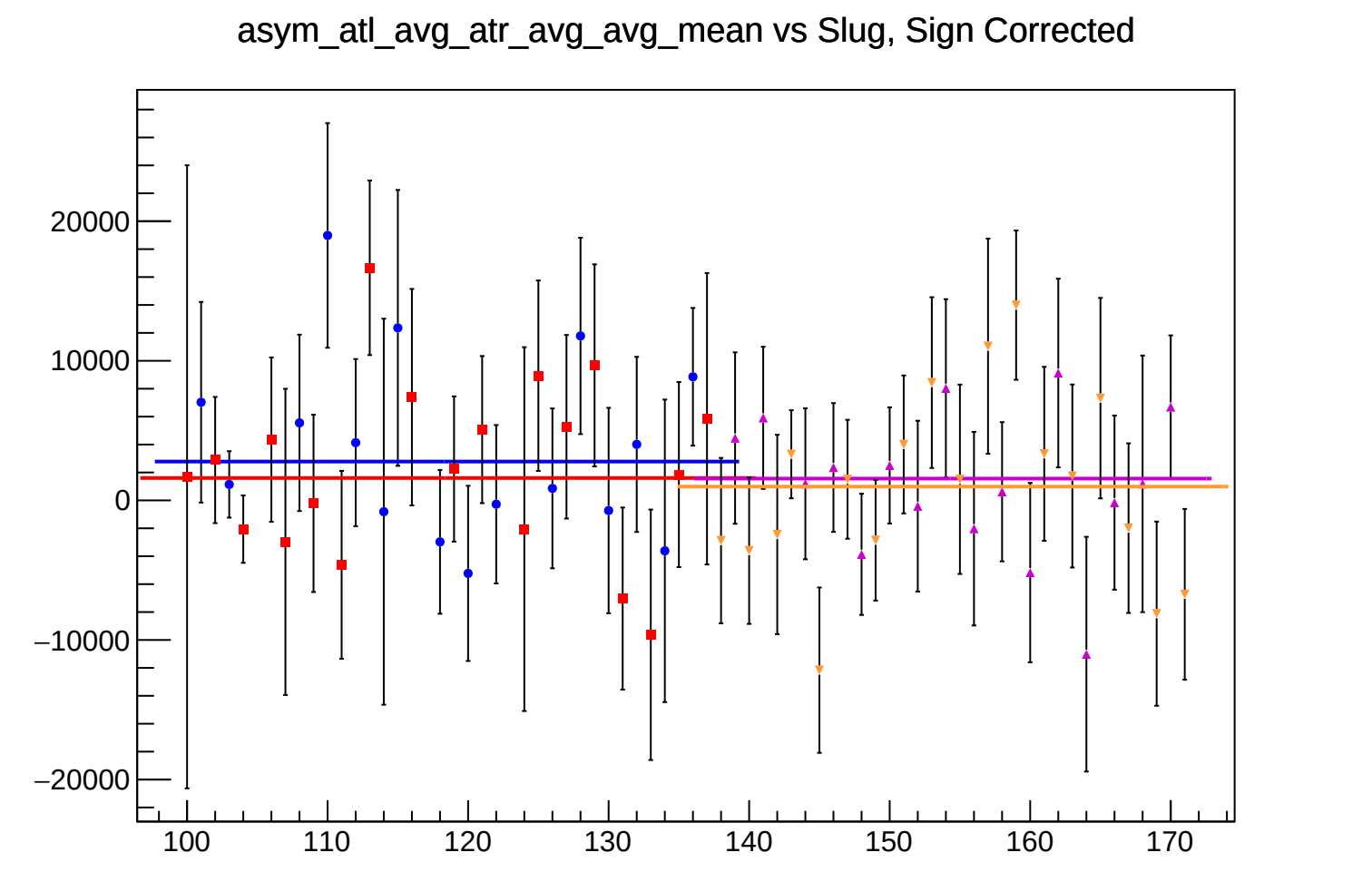
Left: 4850.338+/-0.674 χ^2/NDF: 2591217.2/33

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4331.319+/-0.706 χ^2/NDF:2933927.7/31

Out: 3823.752+/-0.621 χ^2/NDF:5069651.9/36

All: 4044.974+/-0.466 χ^2/NDF: 8294898.2/68



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: 1561.721+/-1407.050 χ^2/NDF:9.7/15

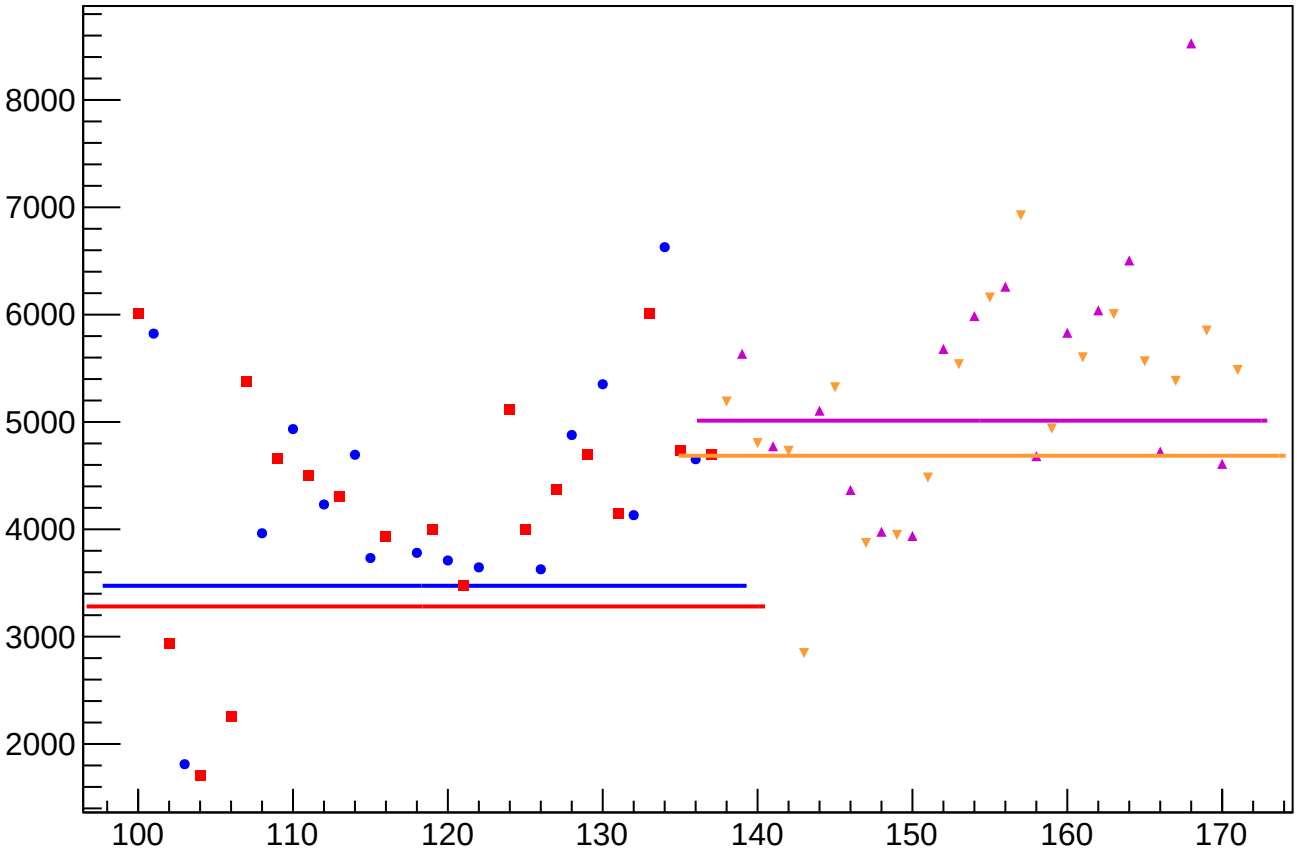
Left: 1248.196+/-947.639 χ^2/NDF: 31.6/33

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2178.977+/-988.649 χ^2/NDF:23.3/31

Out: 1282.366+/-925.347 χ^2/NDF:38.8/36

All: 1701.050+/-675.590 χ^2/NDF: 62.4/68



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: 5012.439+/-0.995 χ^2/NDF:906497.6/15

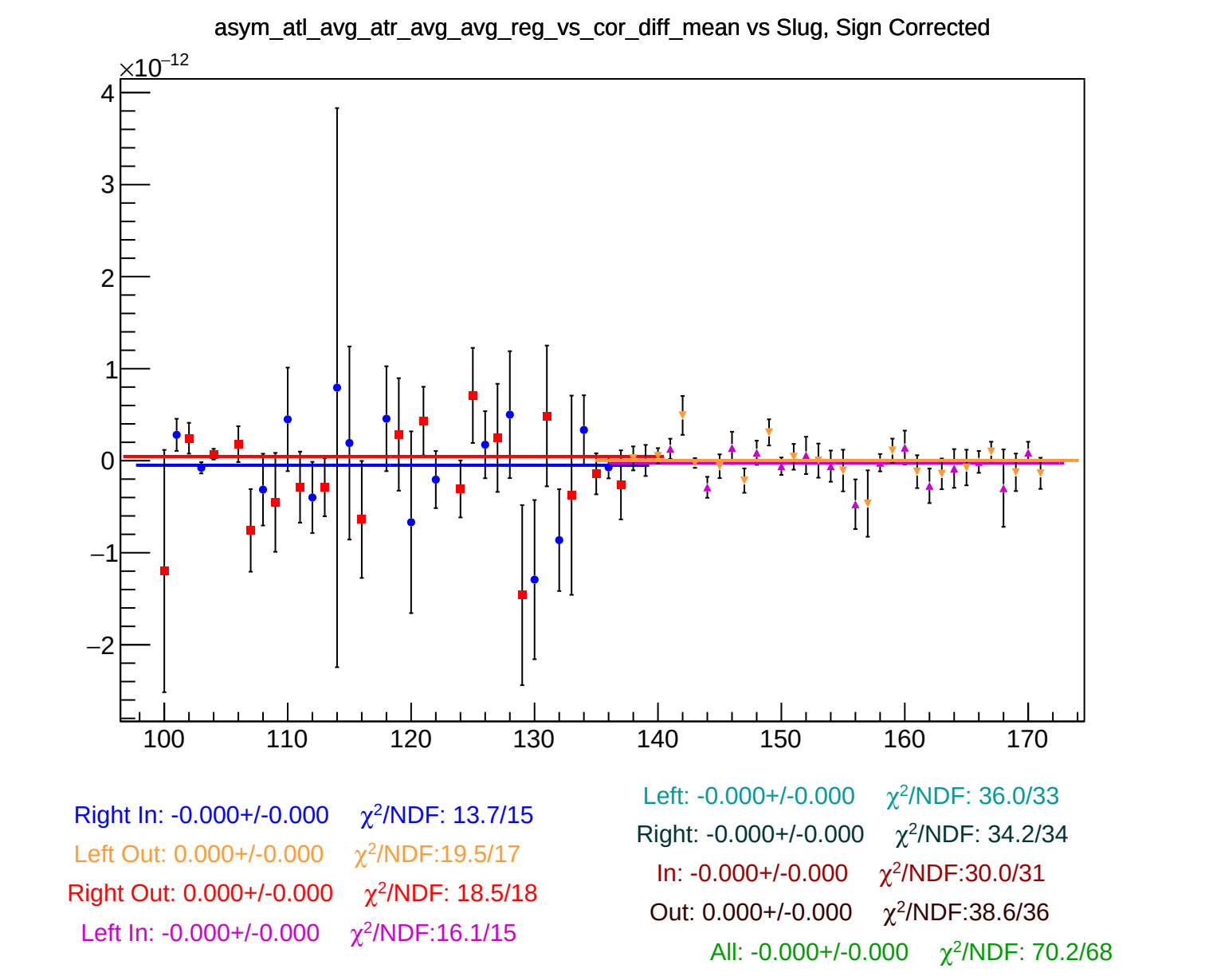
Left: 4833.852+/-0.670 χ^2/NDF: 2401653.6/33

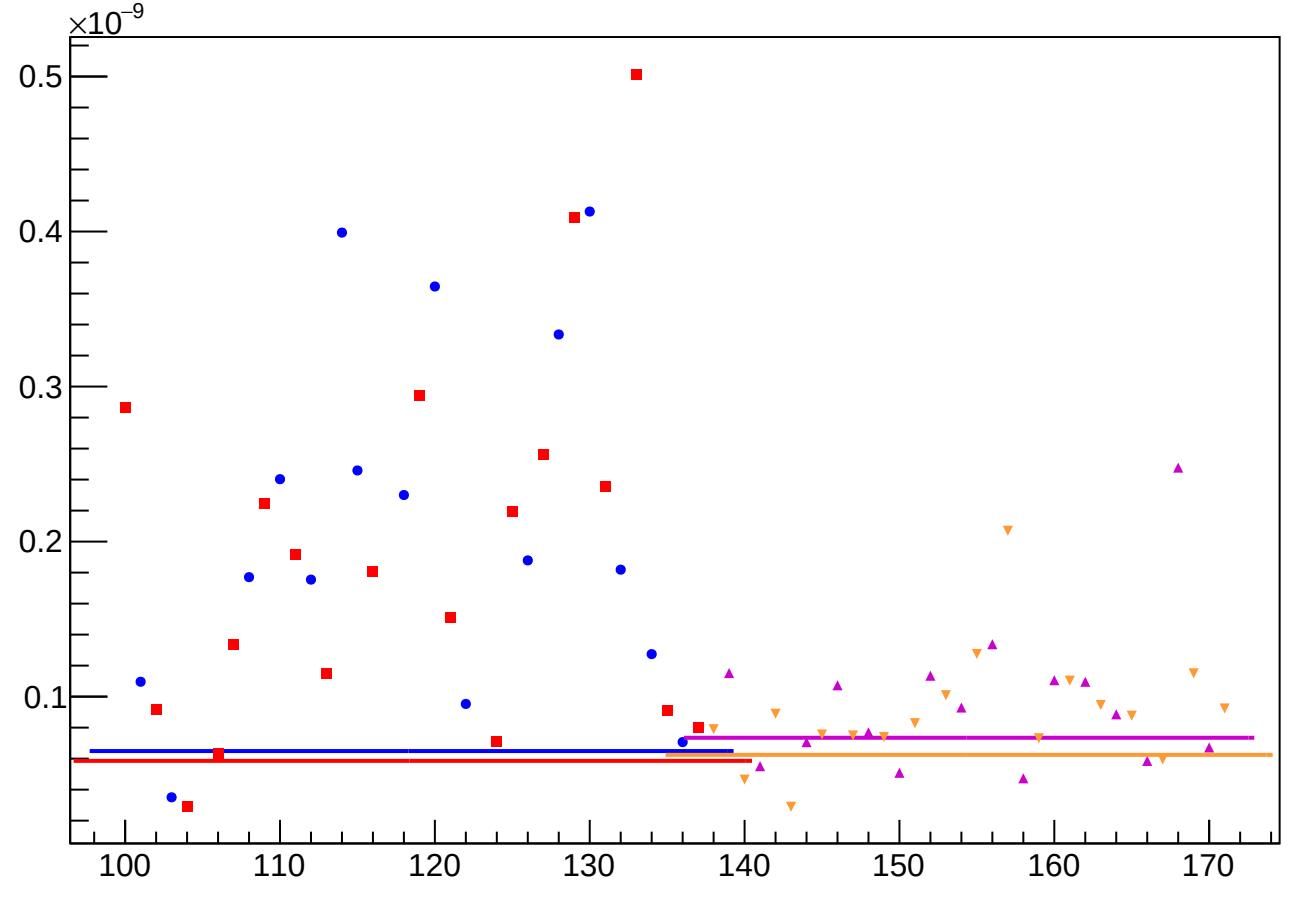
Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4233.474+/-0.699 χ^2/NDF:3961165.7/31

Out: 4003.379+/-0.650 χ^2/NDF:4477394.6/36

All: 4110.065+/-0.476 χ^2/NDF: 8496663.9/68


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:16.1/15
Left: -0.000+/-0.000 χ²/NDF: 36.0/33
Right: -0.000+/-0.000 χ²/NDF: 34.2/34
In: -0.000+/-0.000 χ²/NDF:30.0/31
Out: 0.000+/-0.000 χ²/NDF:38.6/36
All: -0.000+/-0.000 χ²/NDF: 70.2/68



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:1272588.9/15

Left: 0.000+/-0.000 χ^2/NDF: 3453382.8/33

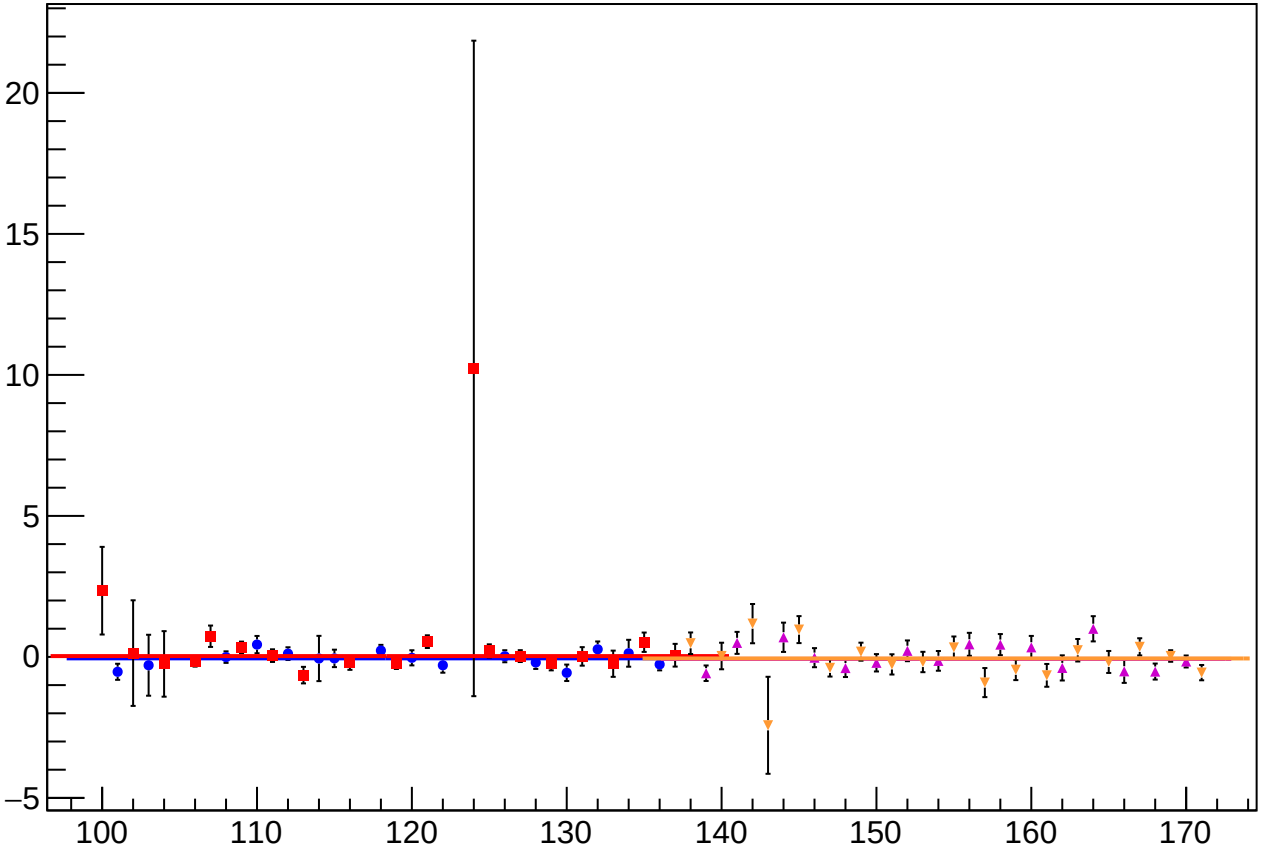
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3906521.7/31

Out: 0.000+/-0.000 χ^2/NDF:4929877.2/36

All: 0.000+/-0.000 χ^2/NDF: 8952904.4/68

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: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.063+/-0.060 χ^2/NDF: 51.2/33

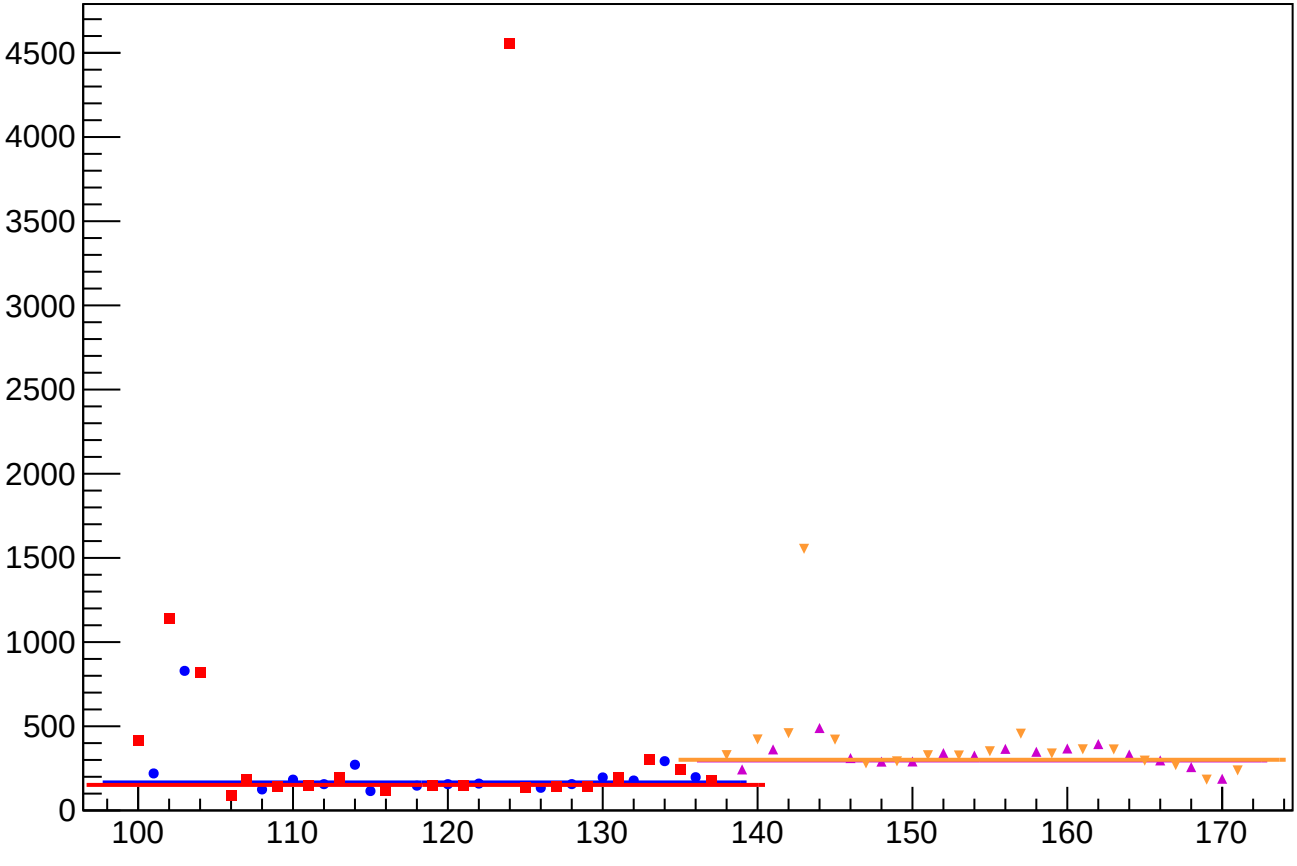
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.029+/-0.037 χ^2/NDF: 94.9/68

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: 297.047+/-0.060 χ^2/NDF:1278508.3/15

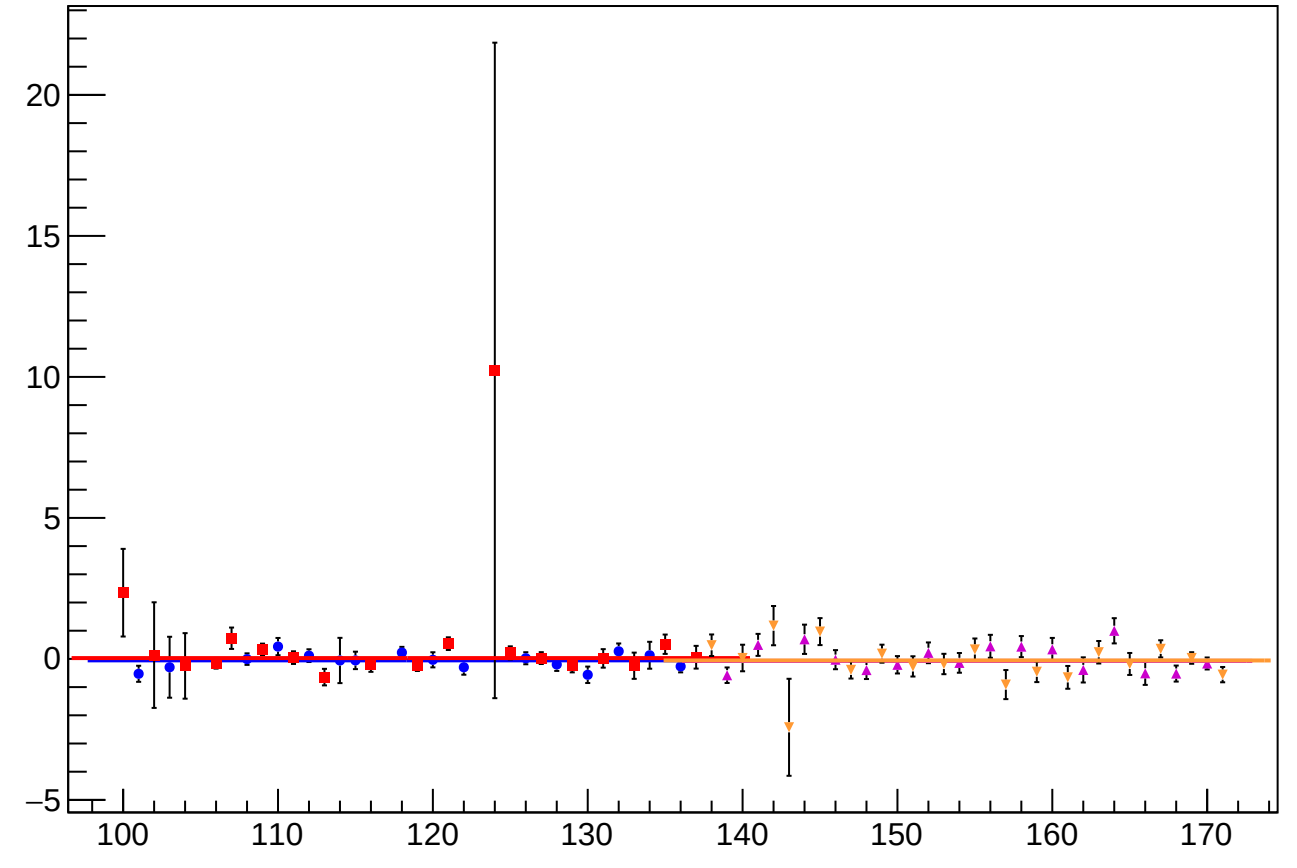
Left: 299.048+/-0.043 χ^2/NDF: 3866935.2/33

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.077+/-0.037 χ^2/NDF:5479684.4/31

Out: 205.913+/-0.036 χ^2/NDF:8843119.8/36

All: 210.857+/-0.026 χ^2/NDF: 14361272.9/68



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: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.063+/-0.060 χ^2/NDF: 51.2/33

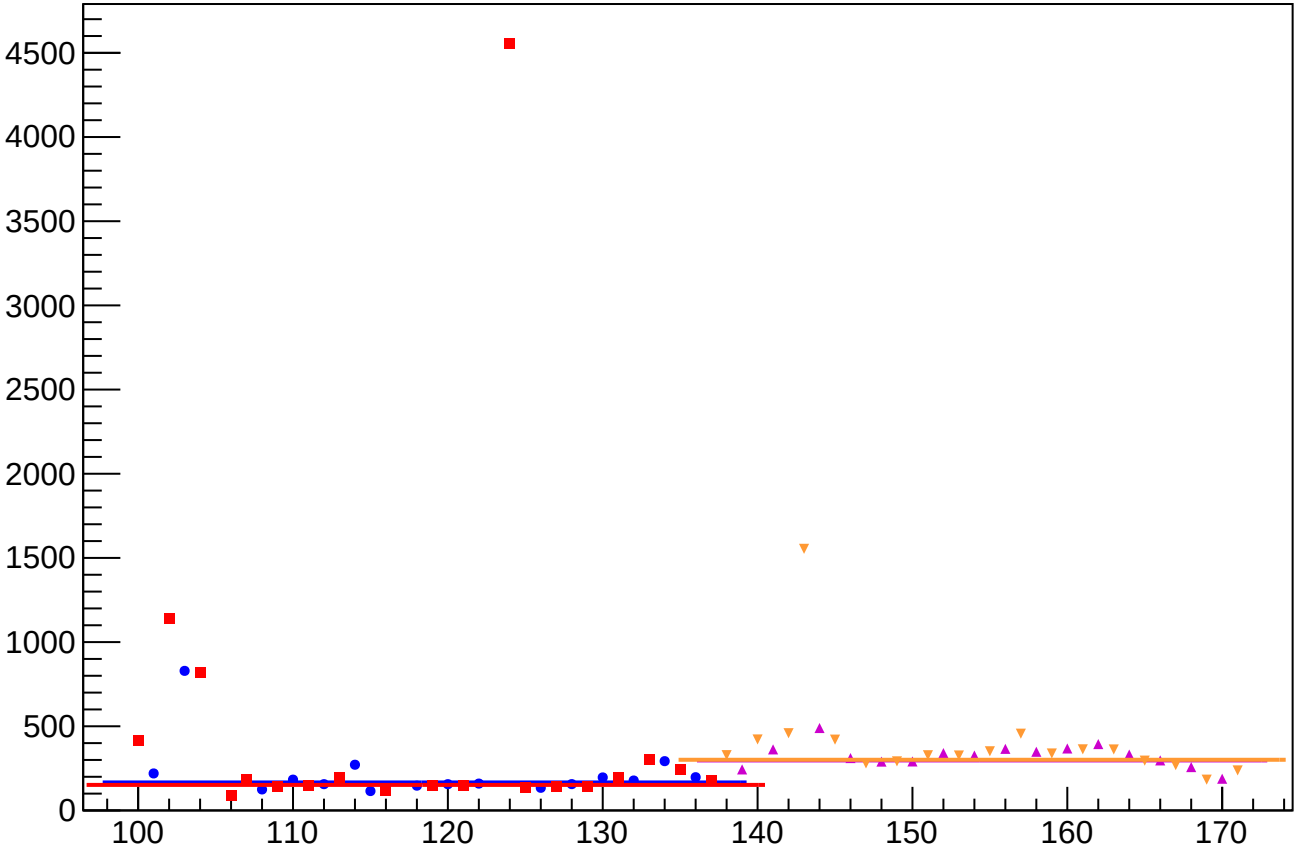
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.029+/-0.037 χ^2/NDF: 94.9/68

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: 297.047+/-0.060 χ^2/NDF:1278508.3/15

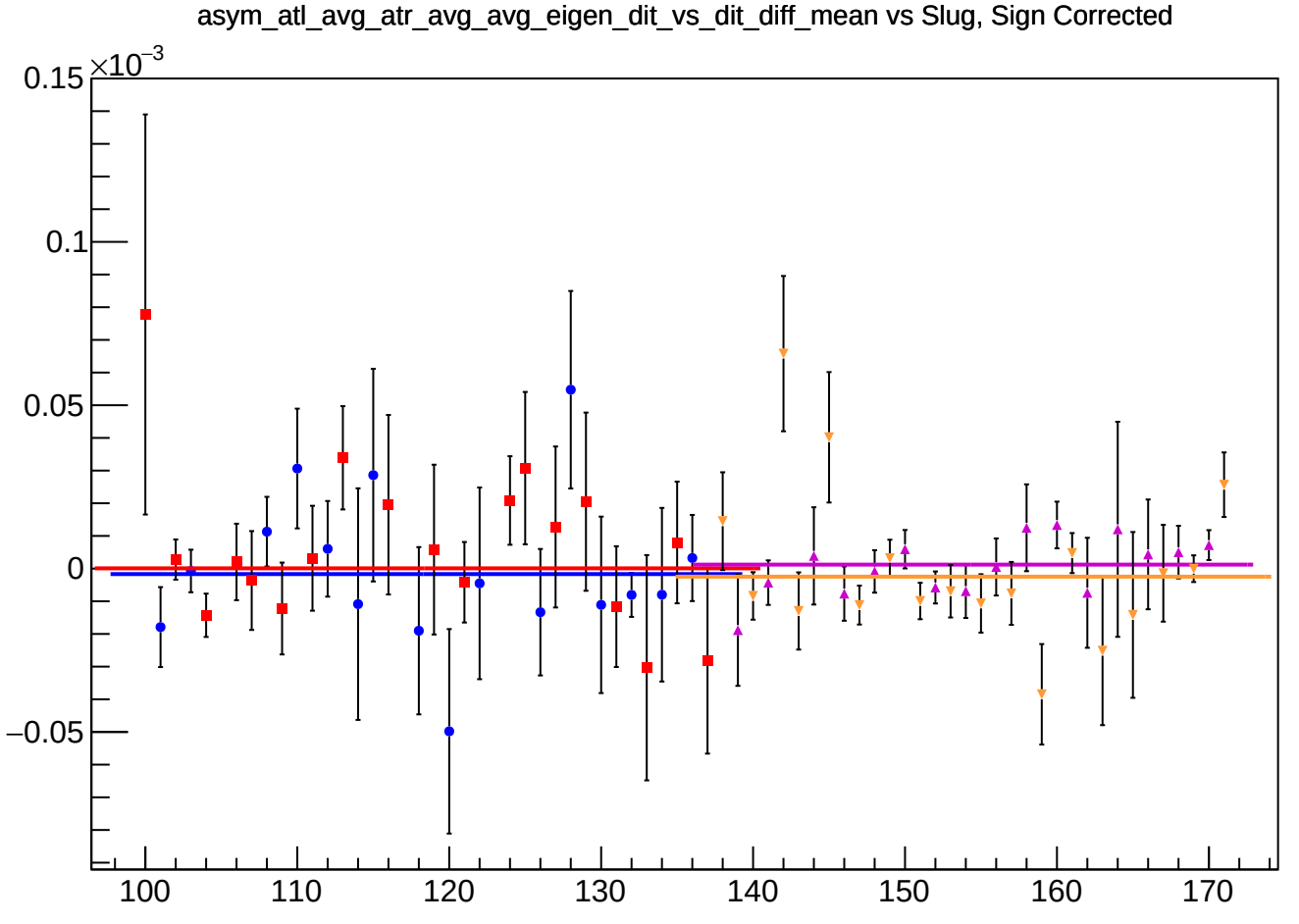
Left: 299.048+/-0.043 χ^2/NDF: 3866935.2/33

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 216.077+/-0.037 χ^2/NDF:5479684.4/31

Out: 205.913+/-0.036 χ^2/NDF:8843119.8/36

All: 210.857+/-0.026 χ^2/NDF: 14361272.9/68



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:12.9/15

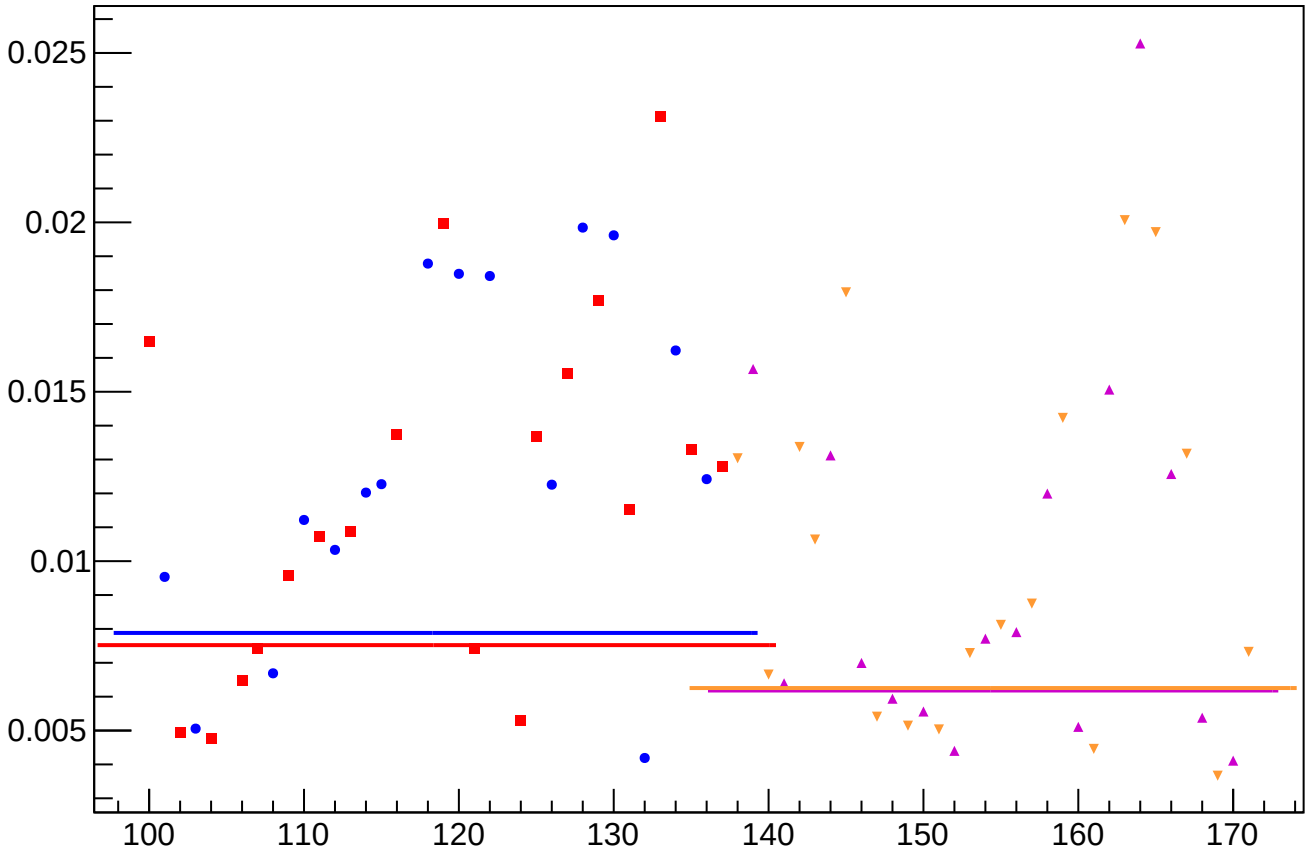
Left: -0.000+/-0.000 χ^2/NDF: 53.2/33

Right: -0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:28.9/31

Out: -0.000+/-0.000 χ^2/NDF:58.8/36

All: -0.000+/-0.000 χ^2/NDF: 88.7/68



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:3887828.6/15

Left: 0.006+/-0.000 χ^2/NDF: 9183715.8/33

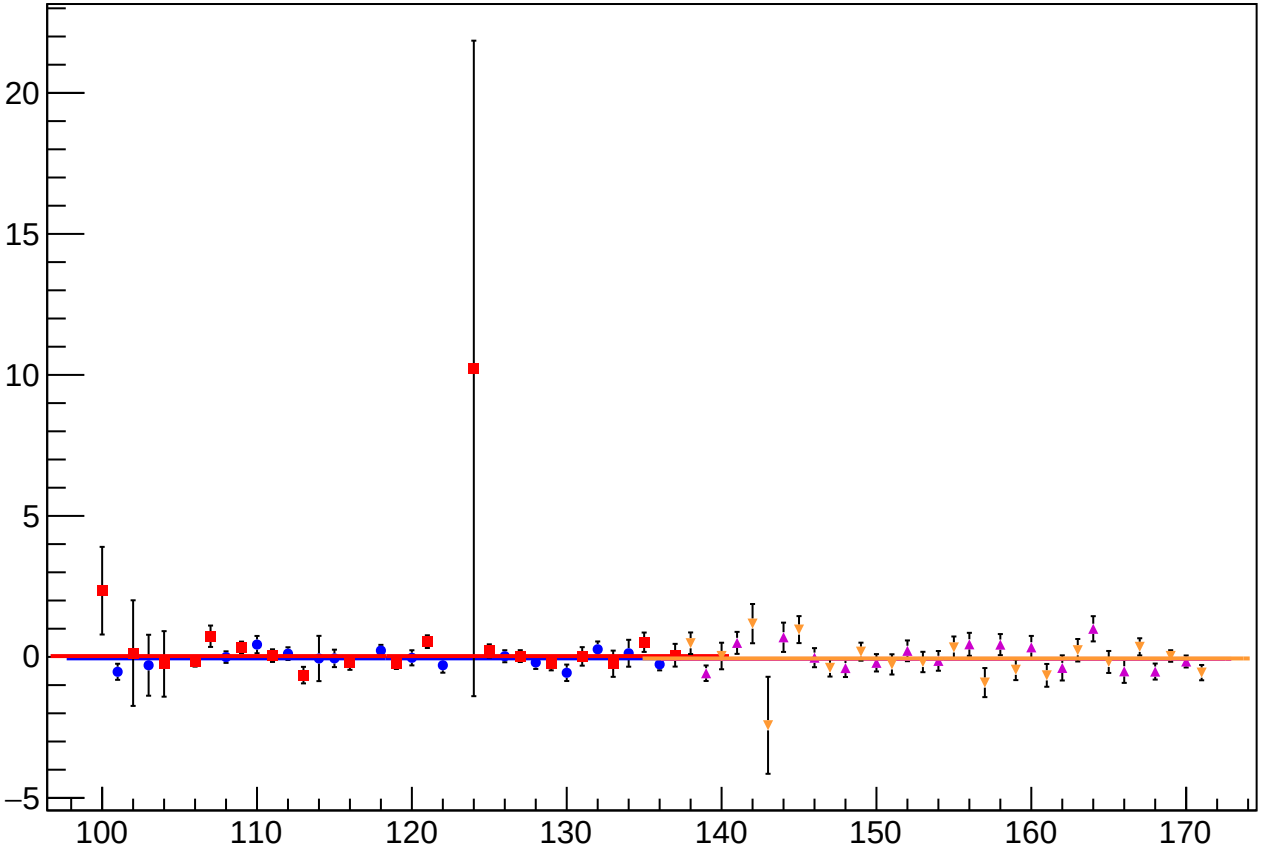
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:7565063.4/31

Out: 0.007+/-0.000 χ^2/NDF:8508088.8/36

All: 0.007+/-0.000 χ^2/NDF: 16073169.6/68

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.055+/-0.085 χ^2/NDF:27.1/17

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.063+/-0.060 χ^2/NDF: 51.2/33

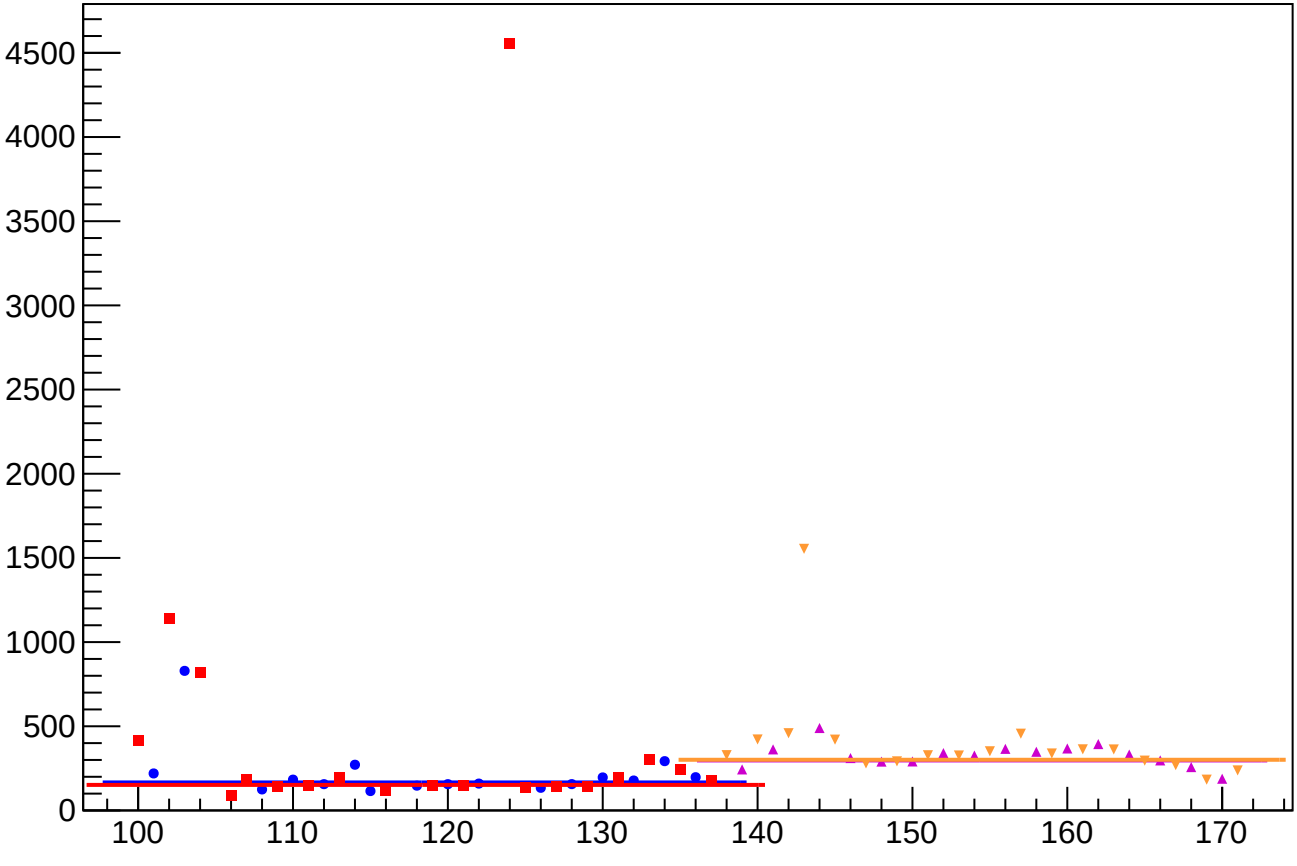
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.029+/-0.037 χ^2/NDF: 94.9/68

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: 297.050+/-0.060 χ^2/NDF:1278542.0/15

Left: 299.050+/-0.043 χ^2/NDF: 3867074.4/33

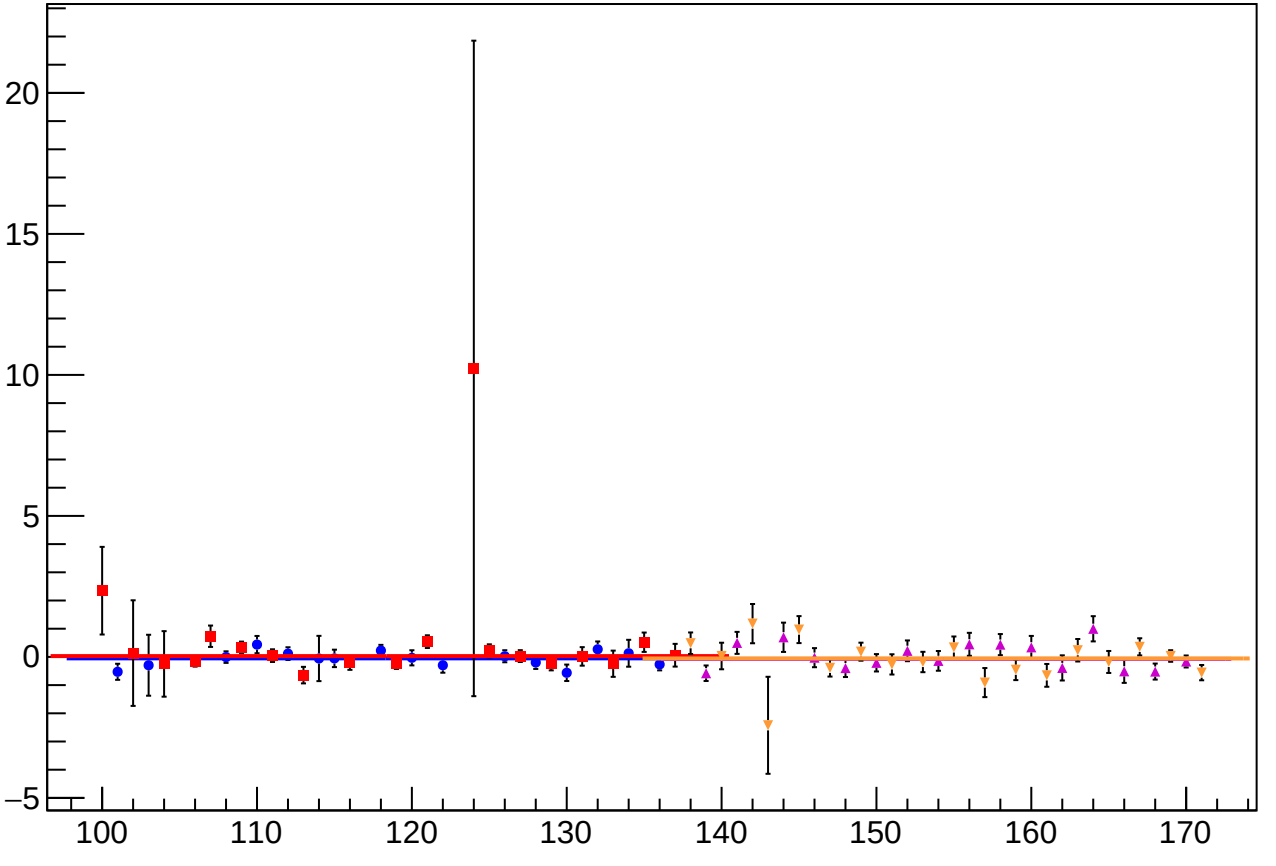
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.077+/-0.037 χ^2/NDF:5479874.2/31

Out: 205.912+/-0.036 χ^2/NDF:8843368.9/36

All: 210.856+/-0.026 χ^2/NDF: 14361720.7/68

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: -0.071+/-0.085 χ^2/NDF:24.1/15

Left: -0.063+/-0.060 χ^2/NDF: 51.2/33

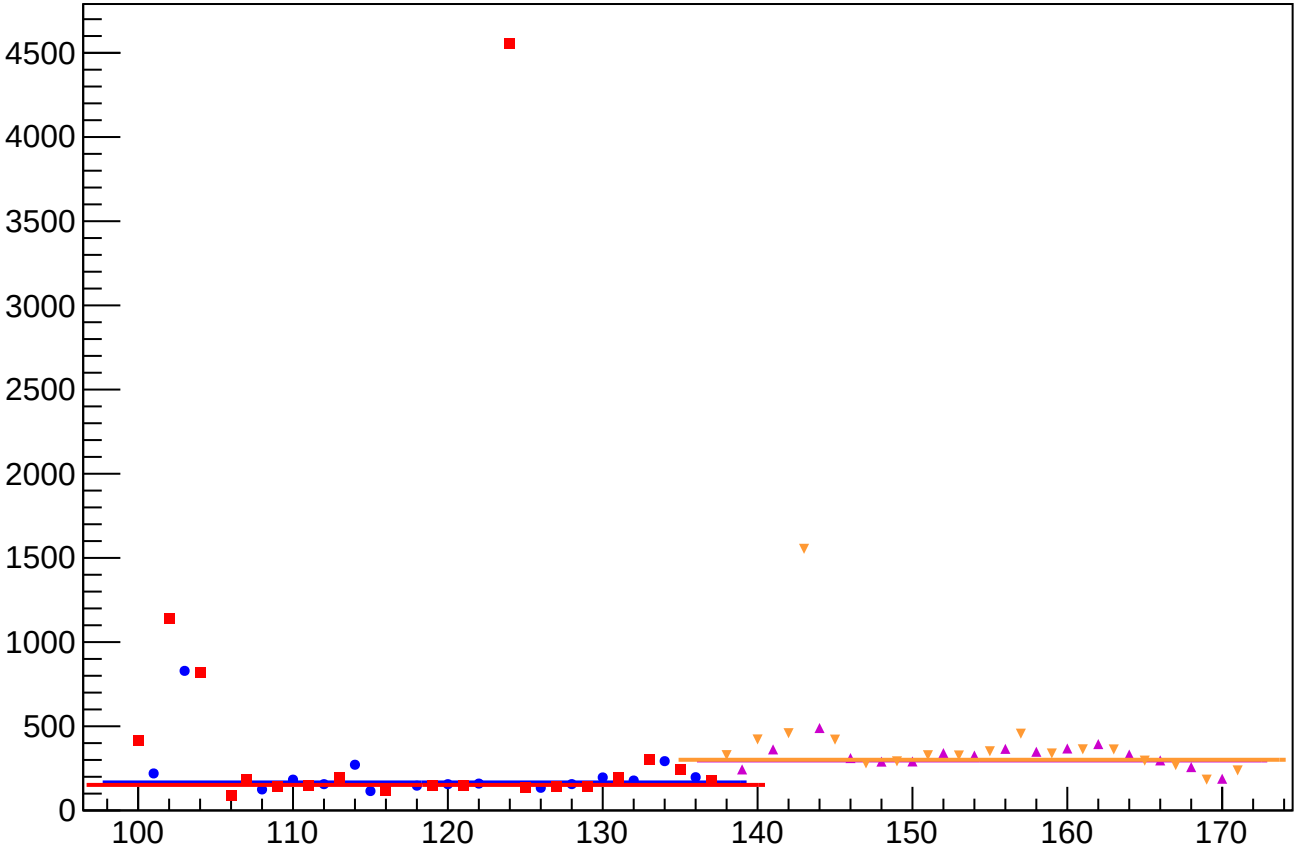
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.059+/-0.053 χ^2/NDF:39.0/31

Out: -0.001+/-0.051 χ^2/NDF:55.3/36

All: -0.029+/-0.037 χ^2/NDF: 94.9/68

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: 297.050+/-0.060 χ^2/NDF:1278542.0/15

Left: 299.050+/-0.043 χ^2/NDF: 3867074.4/33

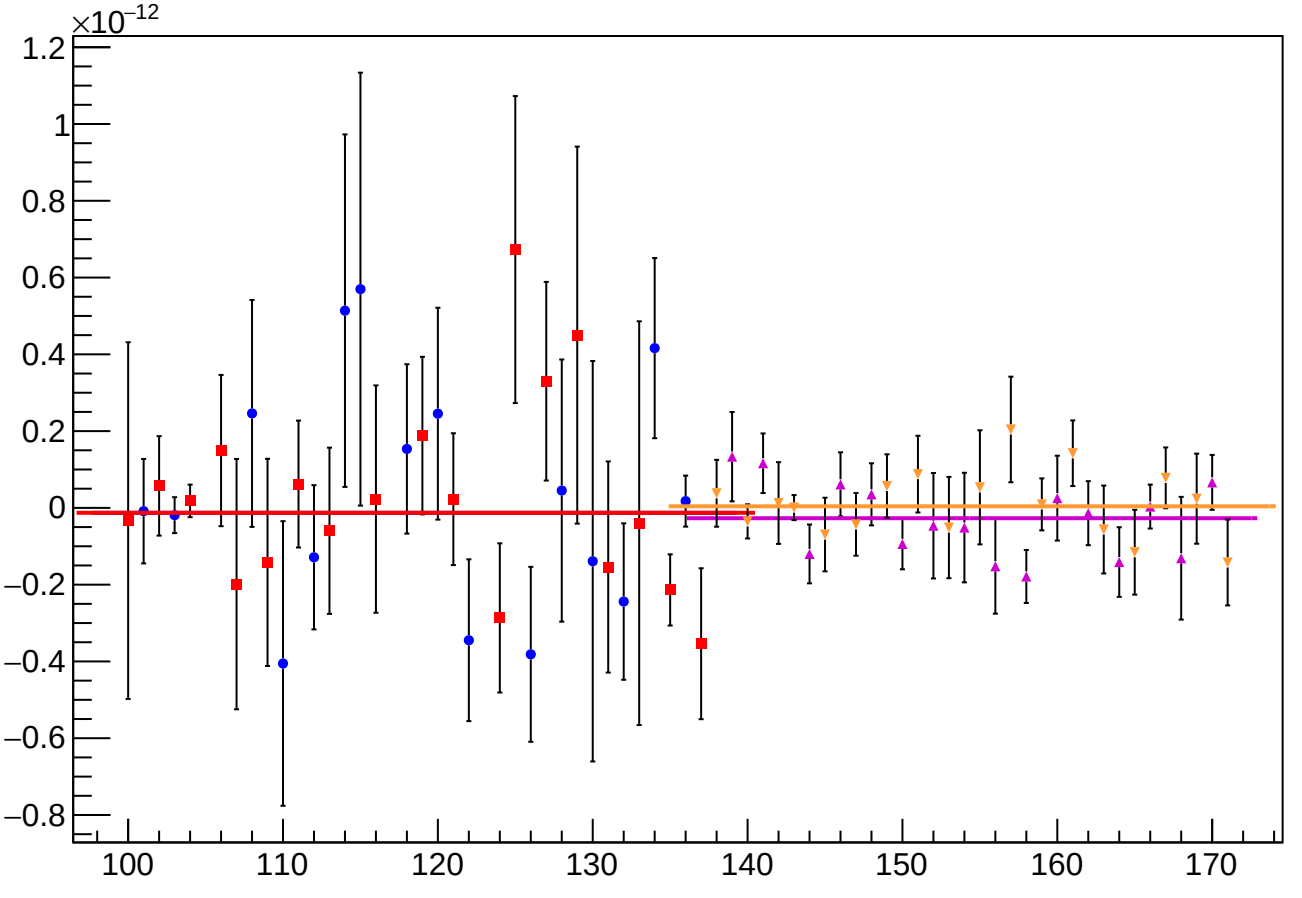
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 216.077+/-0.037 χ^2/NDF:5479874.2/31

Out: 205.912+/-0.036 χ^2/NDF:8843368.9/36

All: 210.856+/-0.026 χ^2/NDF: 14361720.7/68

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/15

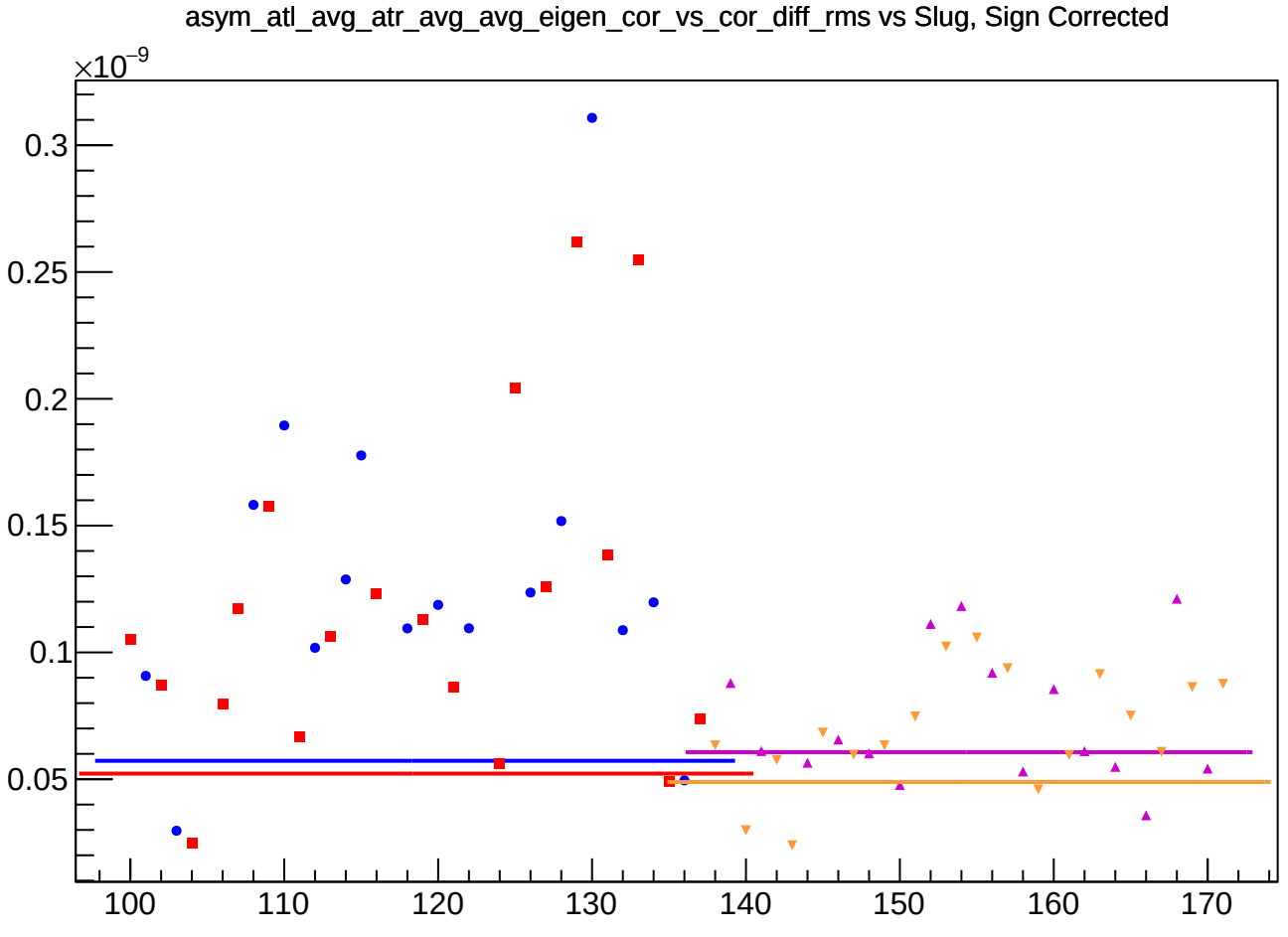
Left: -0.000+/-0.000 χ^2/NDF: 33.0/33

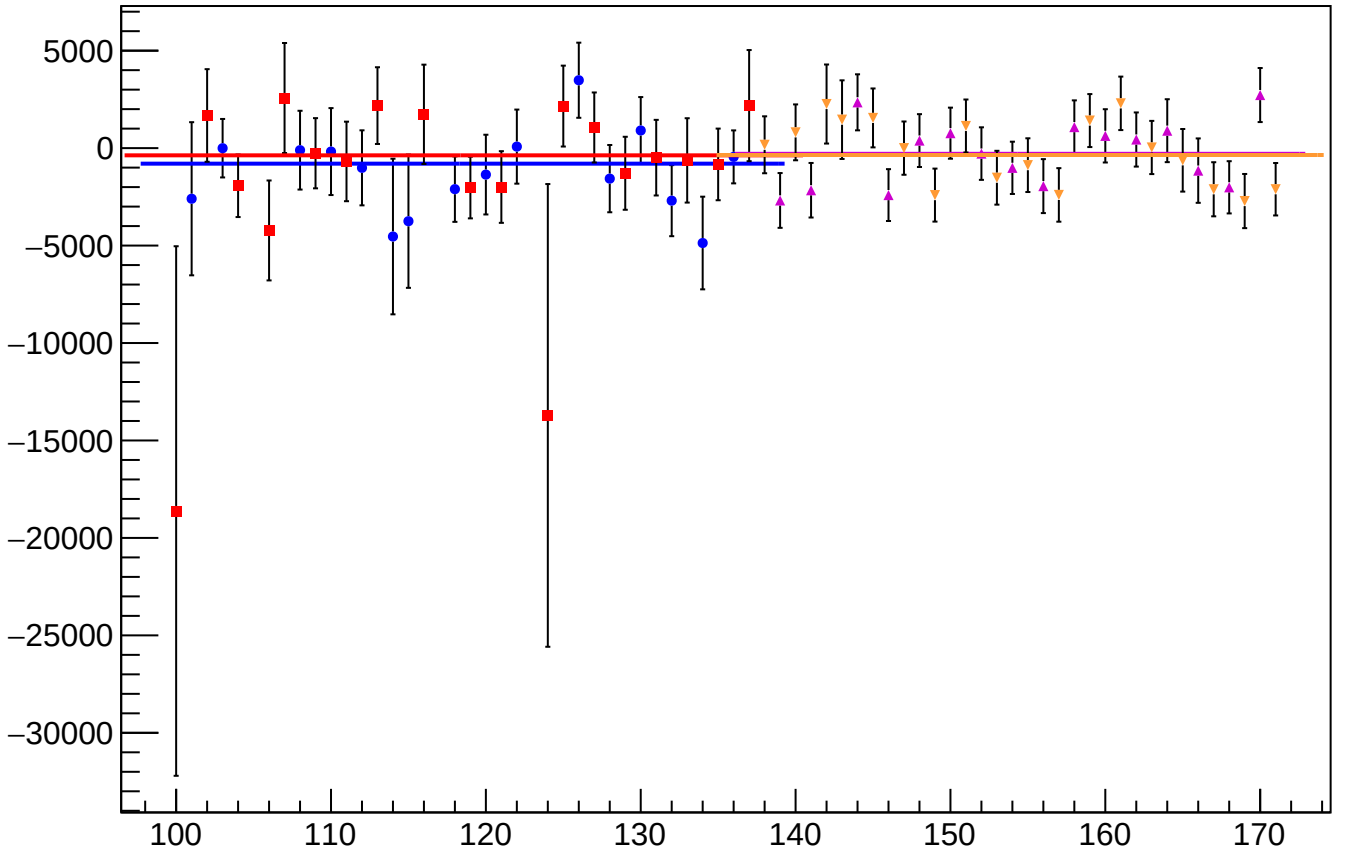
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:35.9/31

Out: 0.000+/-0.000 χ^2/NDF:31.2/36

All: -0.000+/-0.000 χ^2/NDF: 68.0/68


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2983121.7/15
Left Out: 0.000+/-0.000 χ²/NDF:3660915.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:1741040.1/15
Left: 0.000+/-0.000 χ²/NDF: 5759773.3/33
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:4739027.1/31
Out: 0.000+/-0.000 χ²/NDF:6965556.9/36
All: 0.000+/-0.000 χ²/NDF: 12057580.1/68



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: -292.459+/-348.528 χ^2/NDF:22.1/15

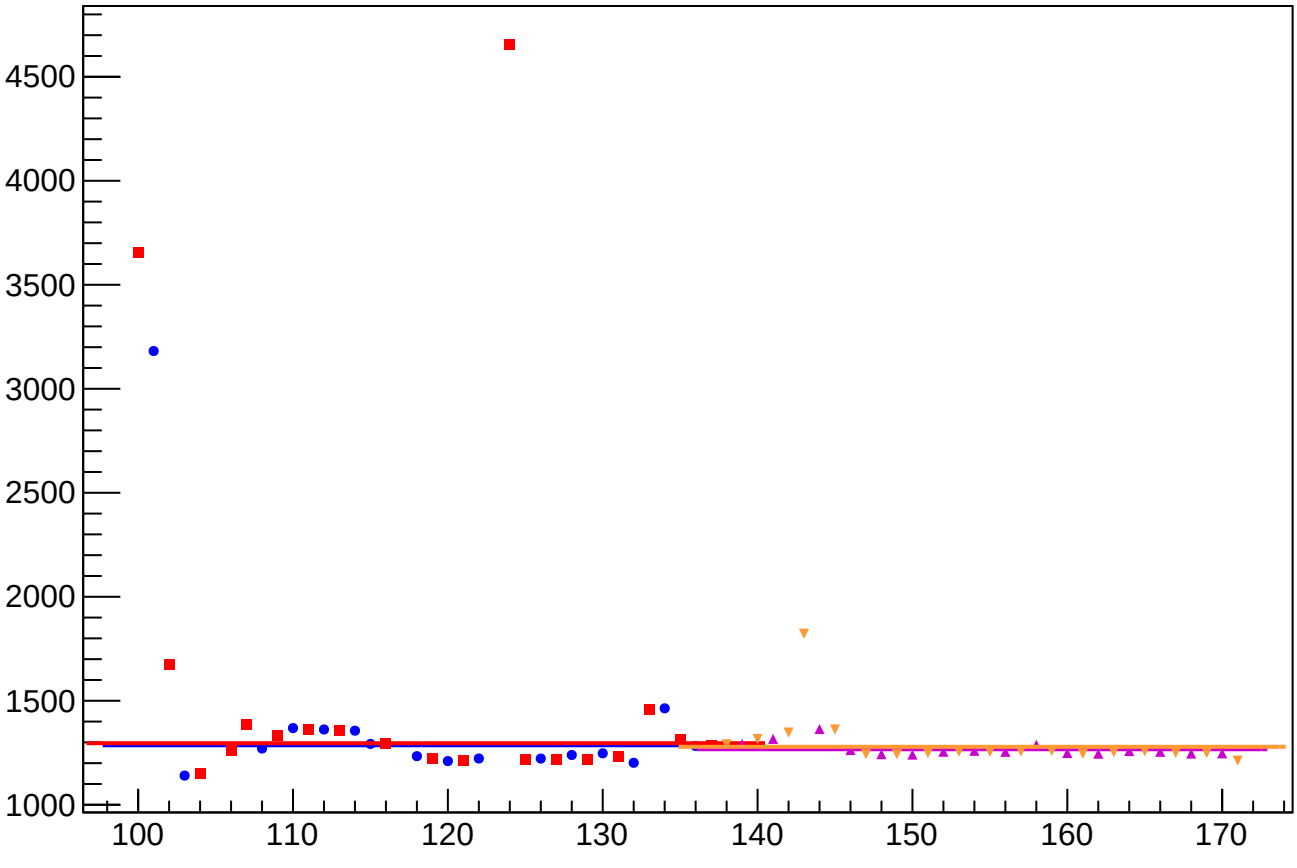
Left: -323.665+/-243.246 χ^2/NDF: 45.4/33

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -463.233+/-283.513 χ^2/NDF:36.3/31

Out: -358.787+/-278.365 χ^2/NDF:38.8/36

All: -410.053+/-198.629 χ^2/NDF: 75.1/68



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: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1272.970+/-0.172 χ^2/NDF: 187700.4/33

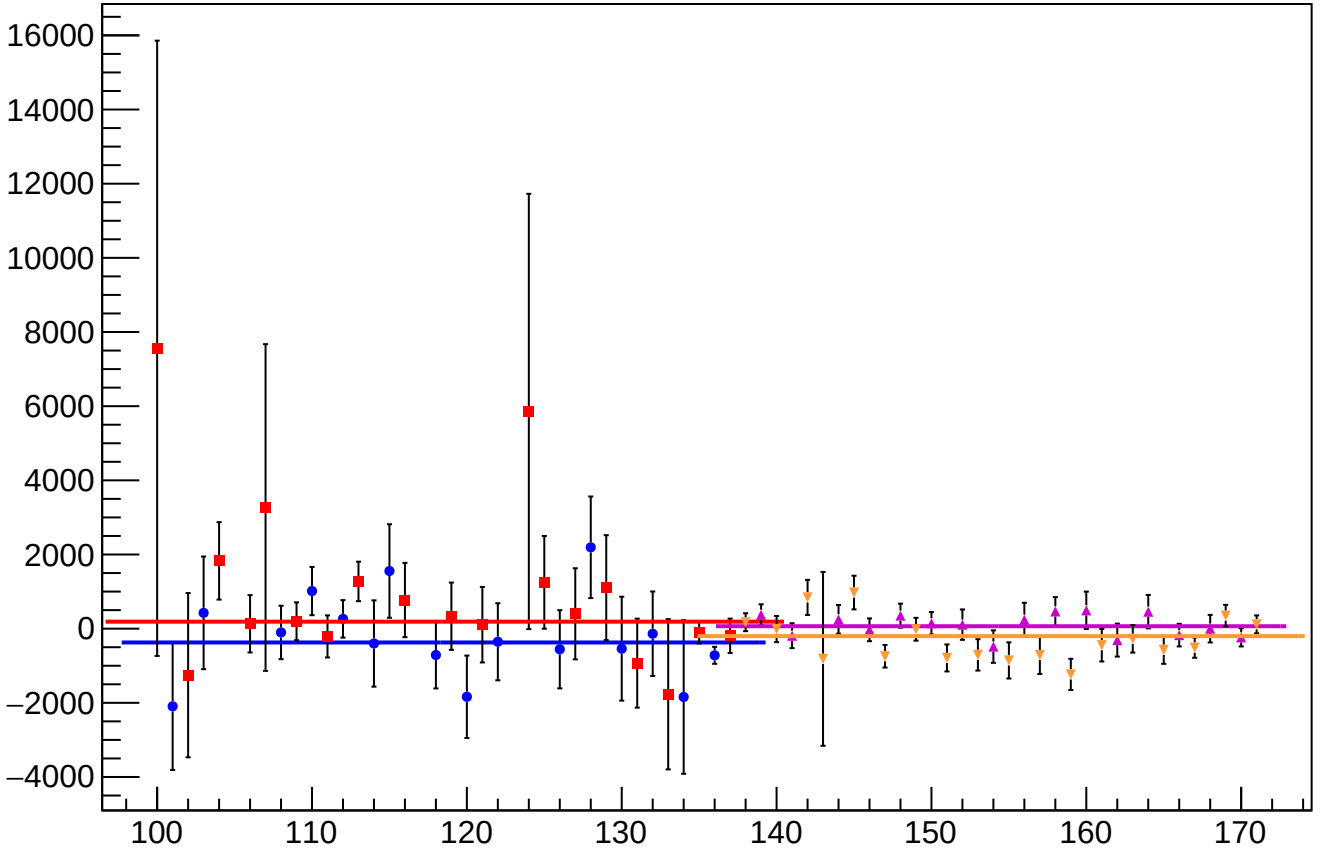
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1273.395+/-0.200 χ^2/NDF:536690.5/31

Out: 1284.383+/-0.197 χ^2/NDF:499762.6/36

All: 1278.990+/-0.140 χ^2/NDF: 1037982.6/68

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: 65.682+/-87.584 χ^2/NDF:10.1/15

Left: -74.549+/-60.319 χ^2/NDF: 53.6/33

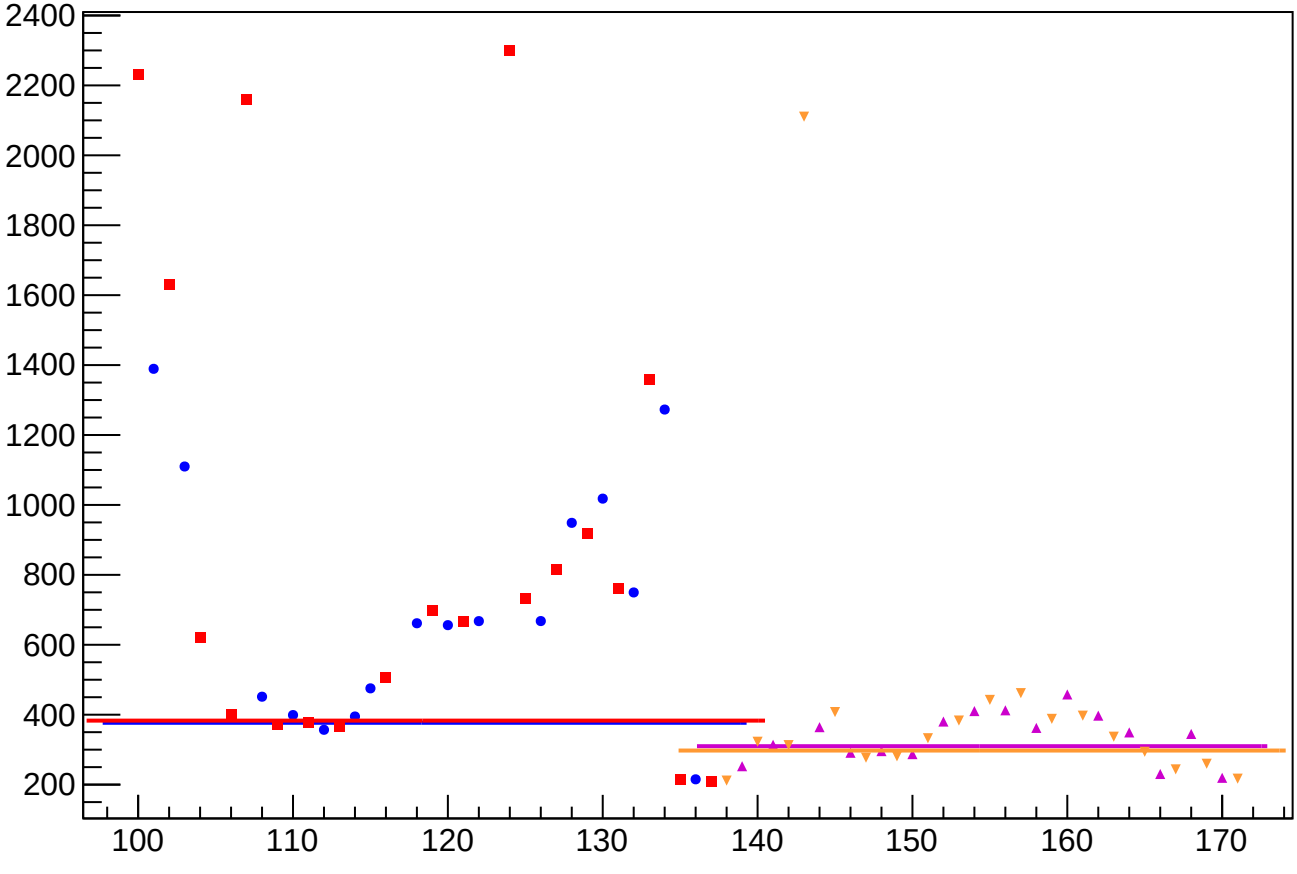
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -27.745+/-77.684 χ^2/NDF:33.6/31

Out: -125.410+/-74.689 χ^2/NDF:57.6/36

All: -78.496+/-53.841 χ^2/NDF: 92.0/68

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: 309.914+/-0.062 χ^2/NDF:1138157.2/15

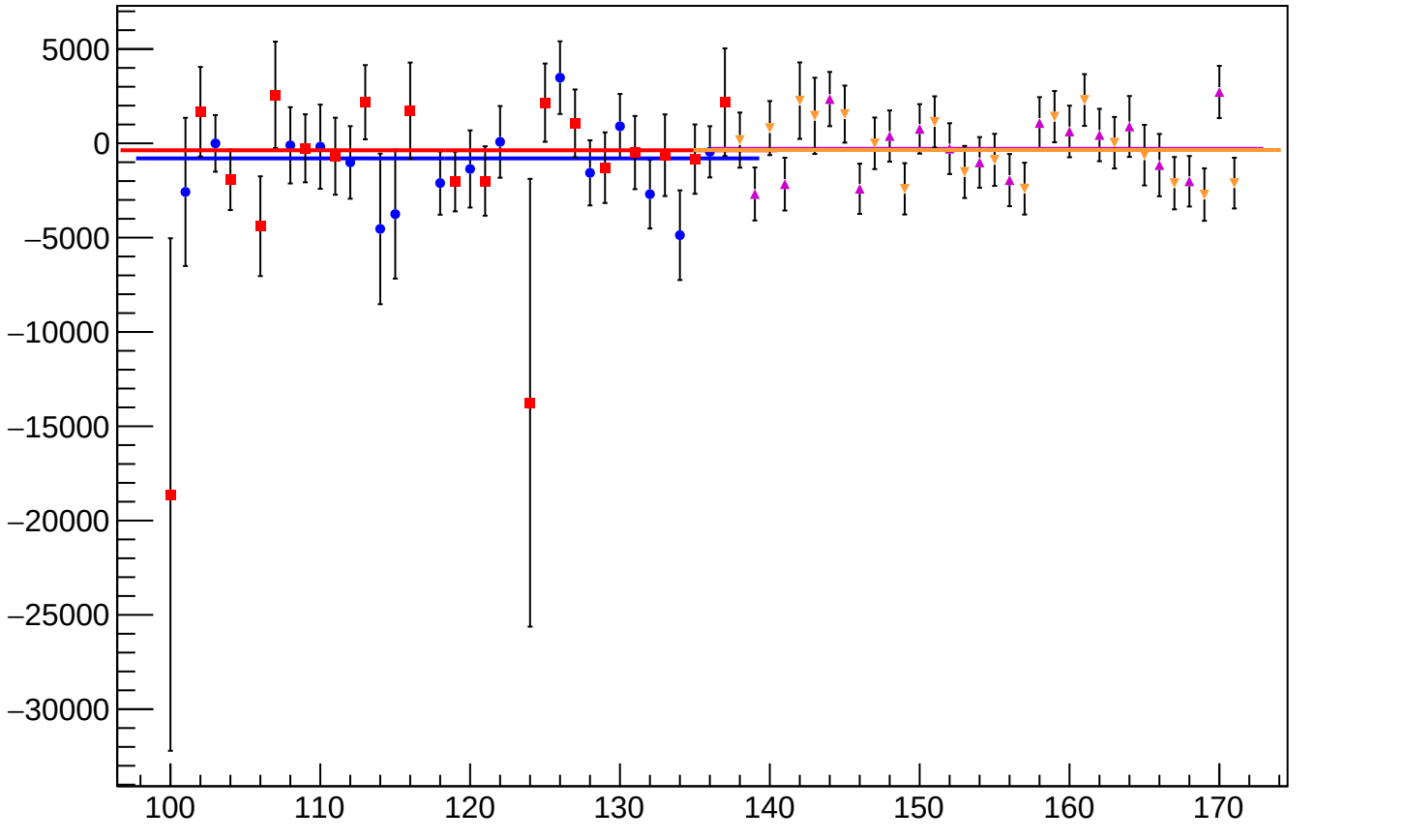
Left: 303.381+/-0.043 χ^2/NDF: 3789415.4/33

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 324.200+/-0.055 χ^2/NDF:5577837.0/31

Out: 314.090+/-0.053 χ^2/NDF:7094849.1/36

All: 318.947+/-0.038 χ^2/NDF: 12690288.4/68



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: -292.412+/-348.528 χ^2/NDF:22.1/15

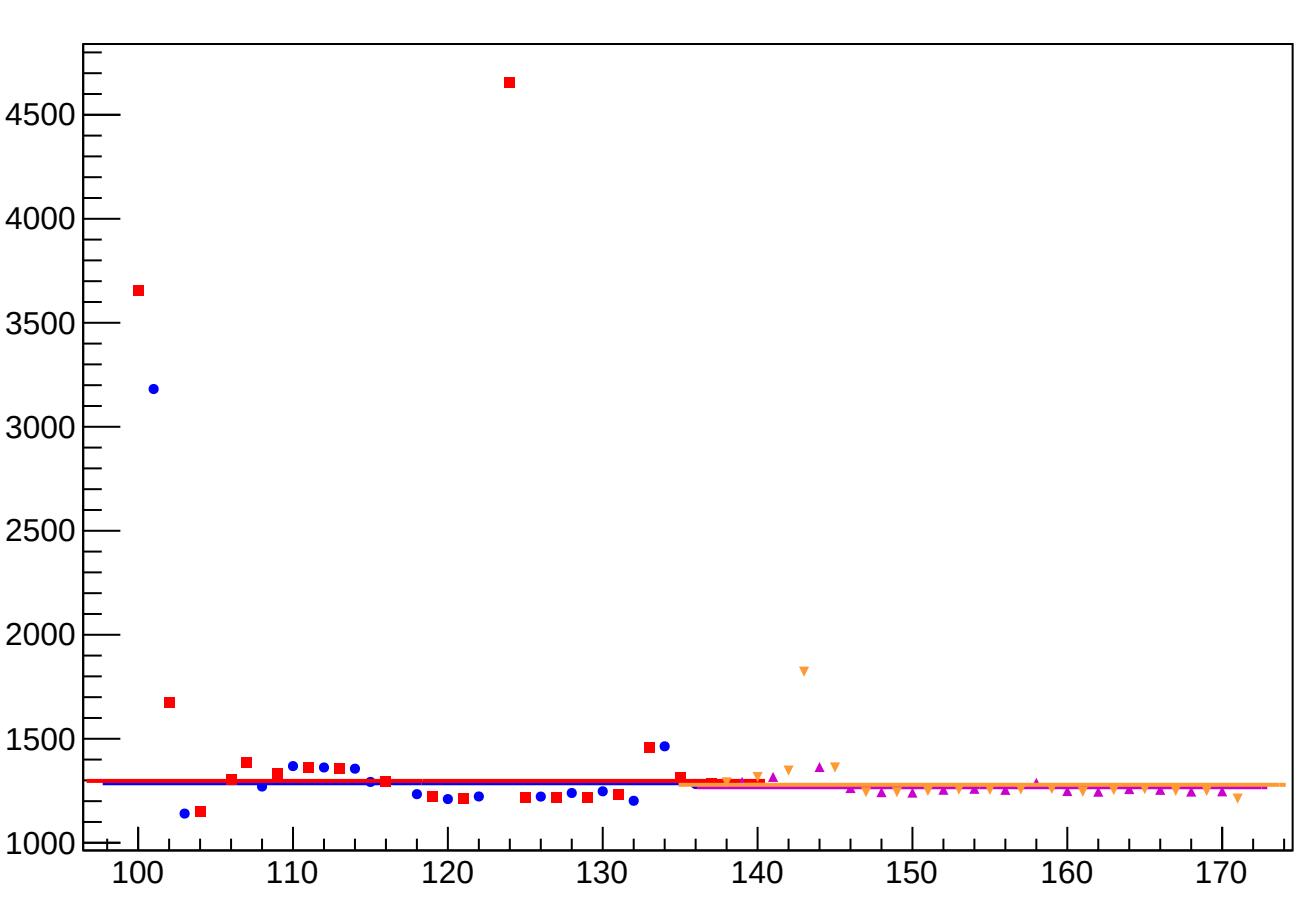
Left: -323.608+/-243.246 χ^2/NDF: 45.4/33

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -463.066+/-283.513 χ^2/NDF:36.3/31

Out: -357.904+/-278.463 χ^2/NDF:38.9/36

All: -409.540+/-198.665 χ^2/NDF: 75.2/68



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: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1272.970+/-0.172 χ^2/NDF: 187700.4/33

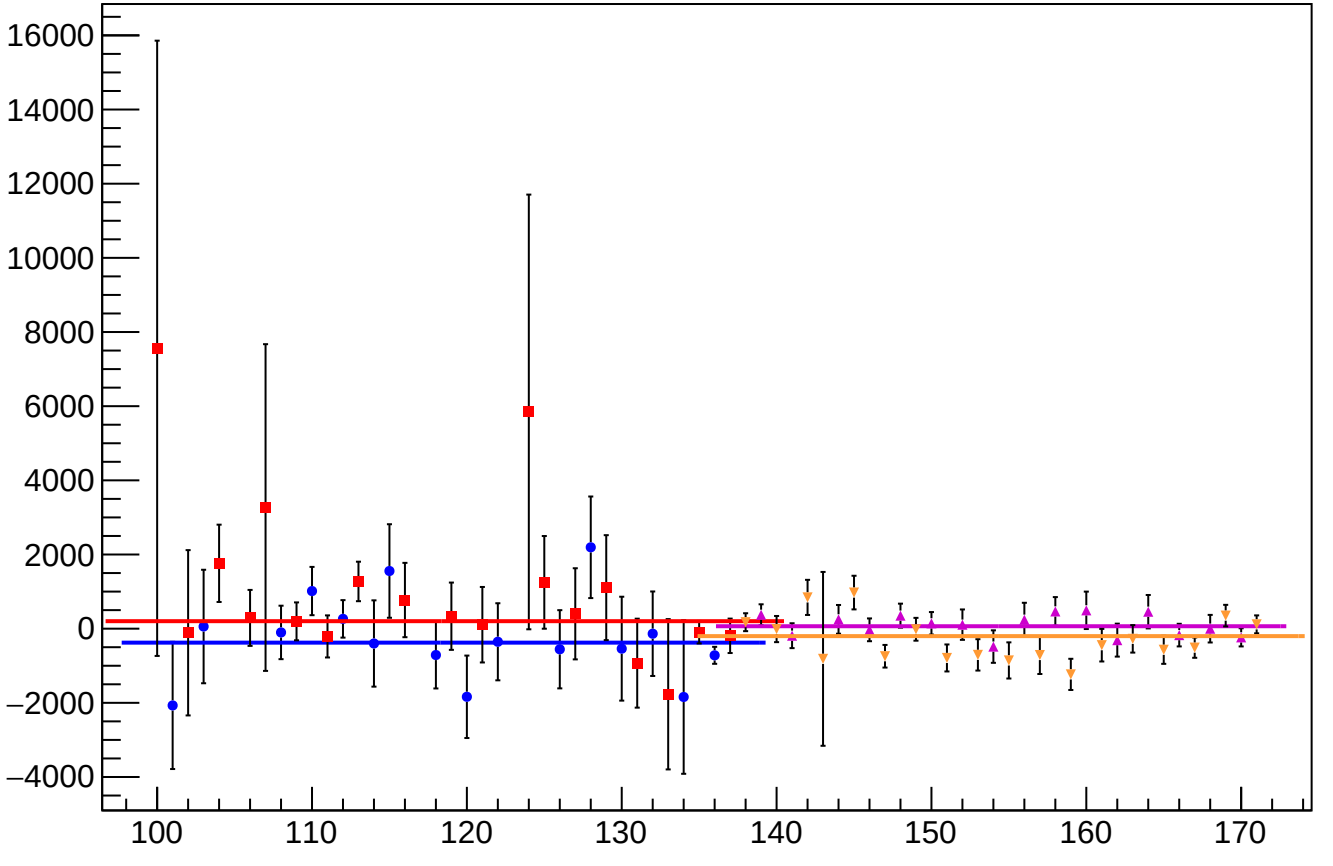
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

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: 65.696+/-87.584 χ^2/NDF:10.1/15

Left: -74.534+/-60.320 χ^2/NDF: 53.6/33

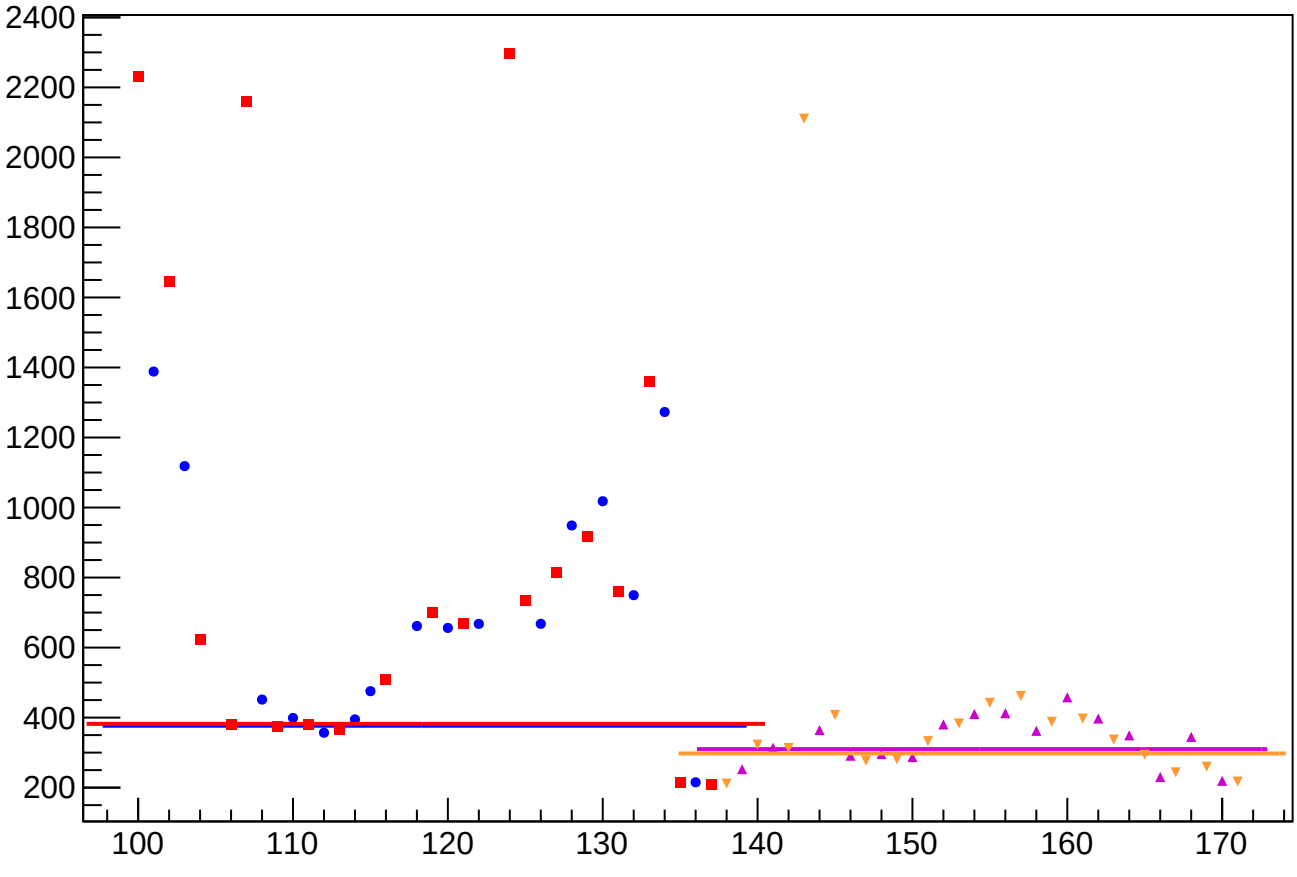
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -77.536+/-53.835 χ^2/NDF: 91.5/68

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 297.496+/-0.059 χ^2/NDF:2629938.3/17

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 309.914+/-0.062 χ^2/NDF:1138288.9/15

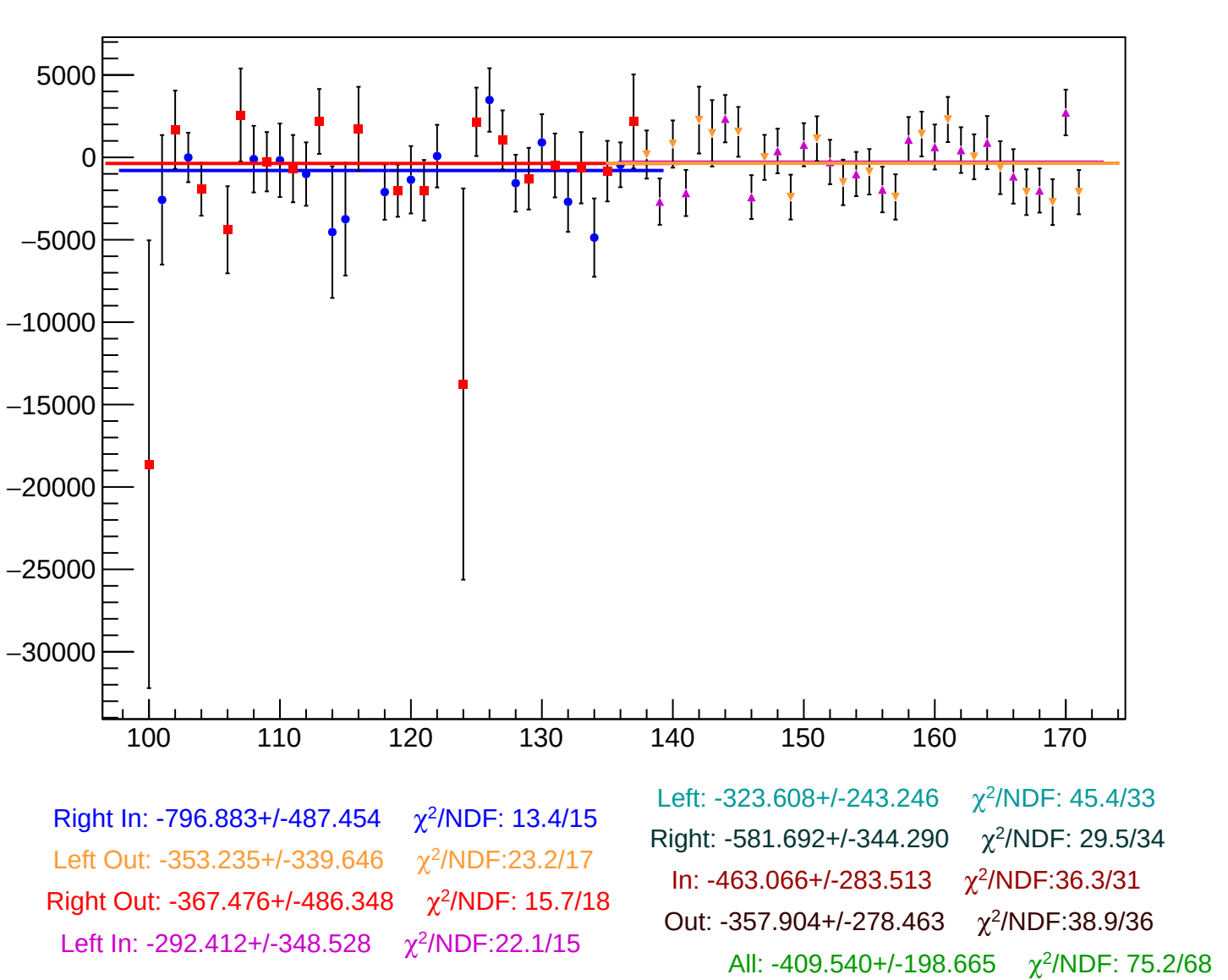
Left: 303.386+/-0.043 χ^2/NDF: 3789361.0/33

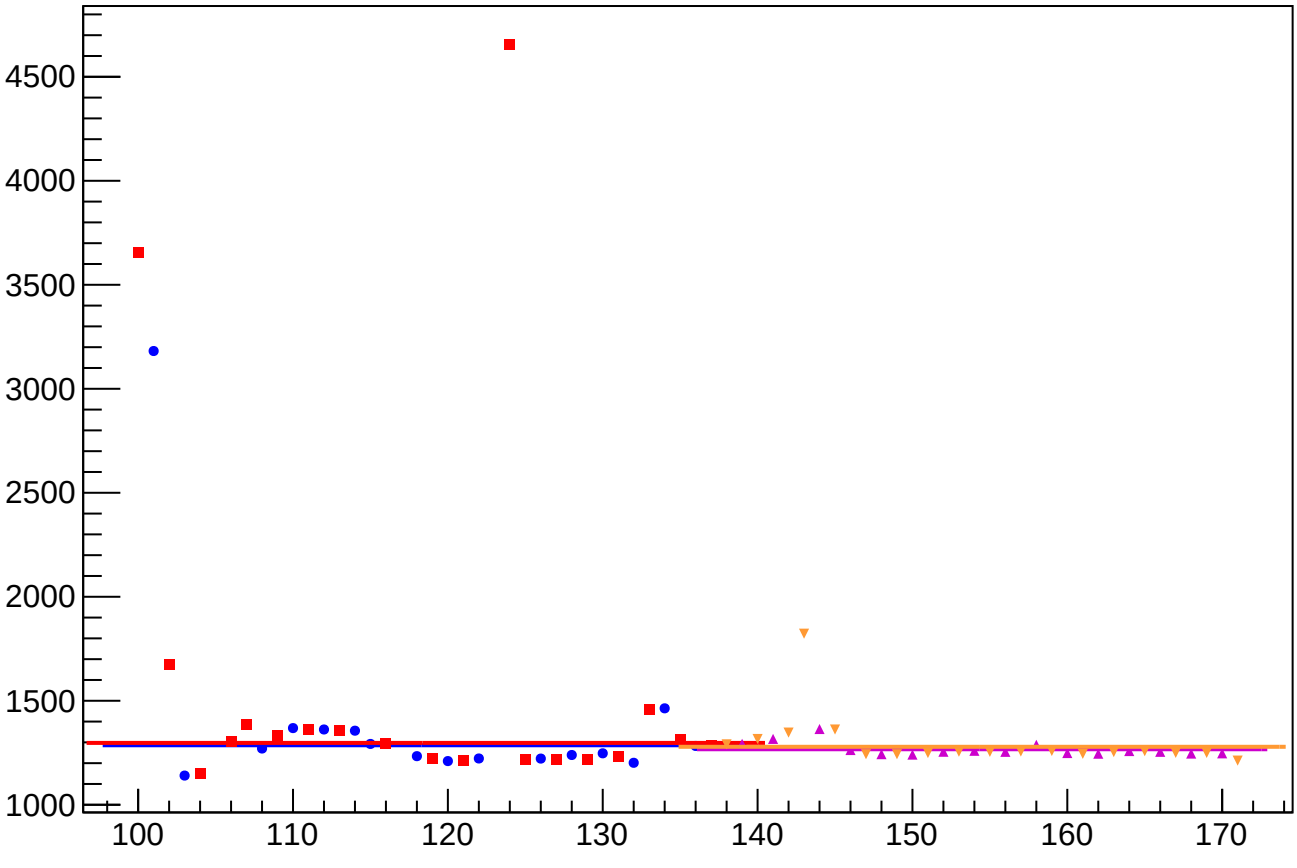
Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -353.235+/-339.646 χ²/NDF:23.2/17
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -292.412+/-348.528 χ²/NDF:22.1/15
Left: -323.608+/-243.246 χ²/NDF: 45.4/33
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -463.066+/-283.513 χ²/NDF:36.3/31
Out: -357.904+/-278.463 χ²/NDF:38.9/36
All: -409.540+/-198.665 χ²/NDF: 75.2/68



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: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1272.970+/-0.172 χ^2/NDF: 187700.4/33

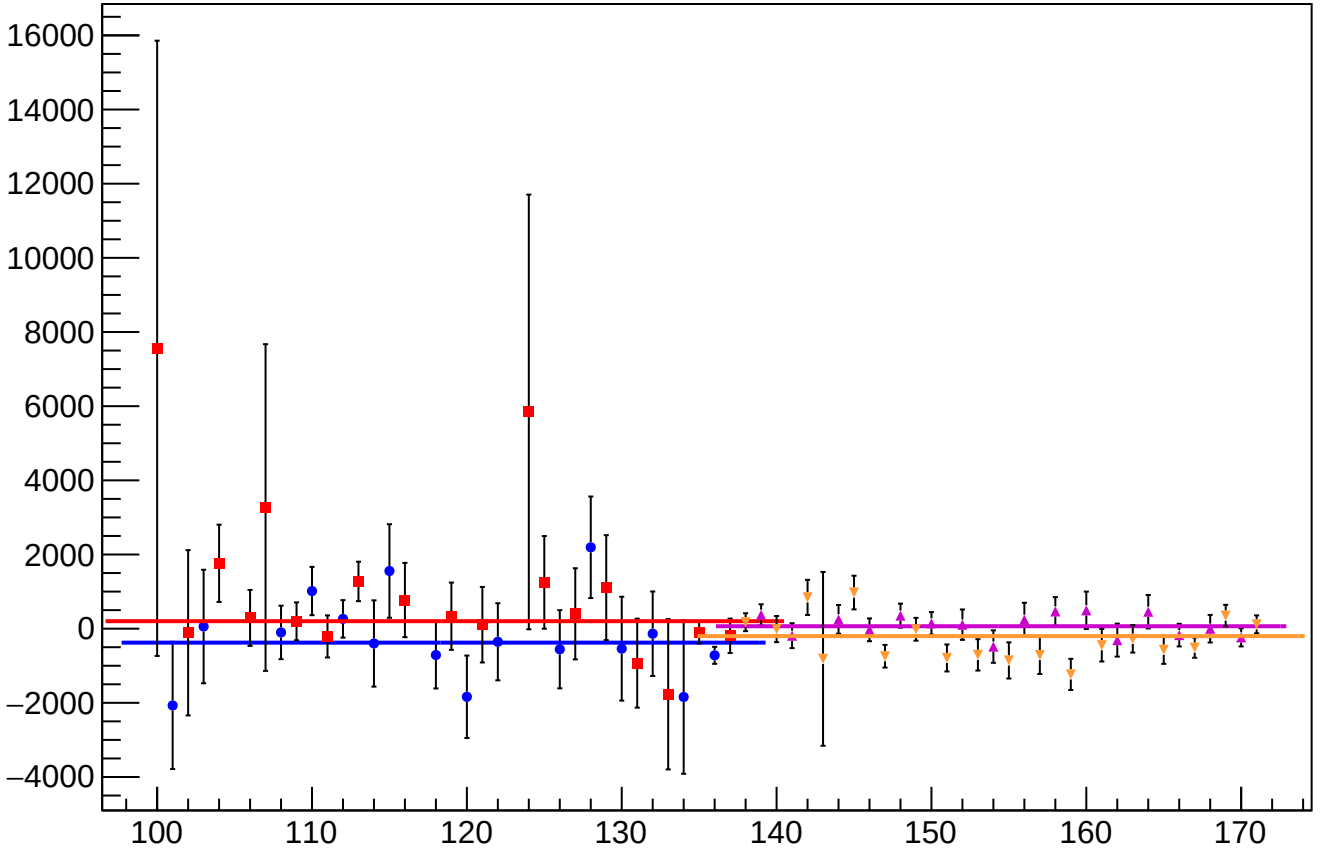
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

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: 65.696+/-87.584 χ^2/NDF:10.1/15

Left: -74.534+/-60.320 χ^2/NDF: 53.6/33

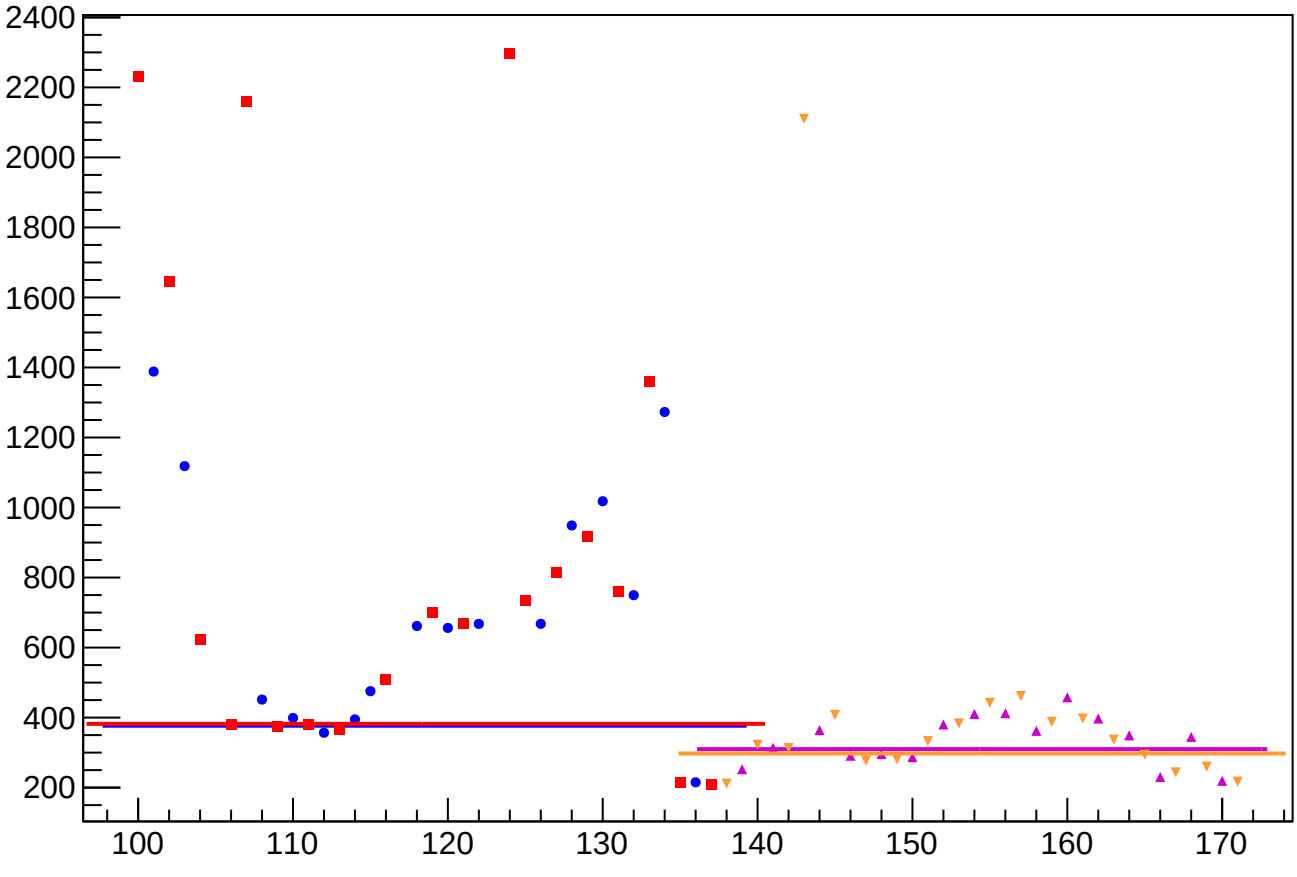
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -77.536+/-53.835 χ^2/NDF: 91.5/68

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: 309.914+/-0.062 χ^2/NDF:1138288.9/15

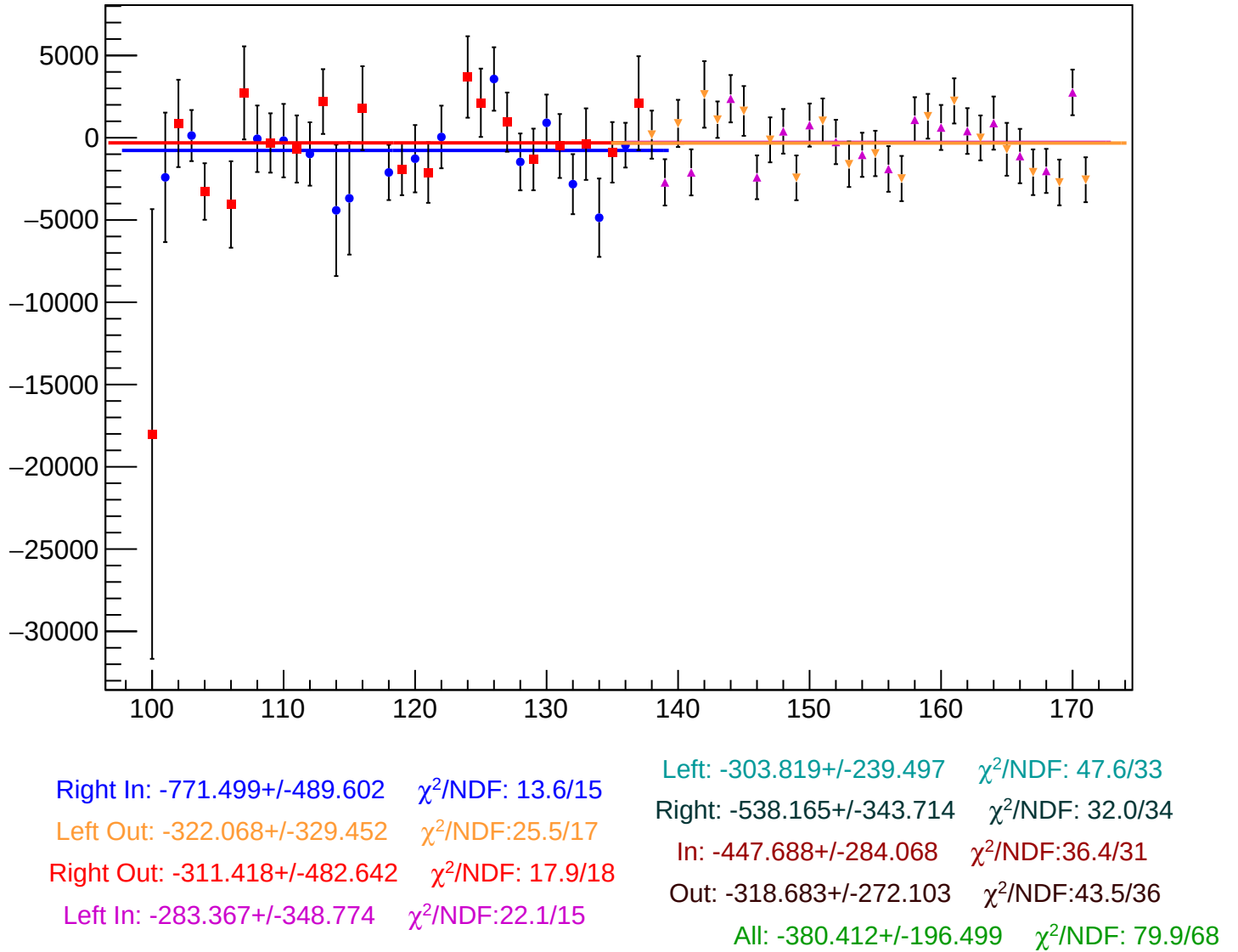
Left: 303.386+/-0.043 χ^2/NDF: 3789361.0/33

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68


dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−5000
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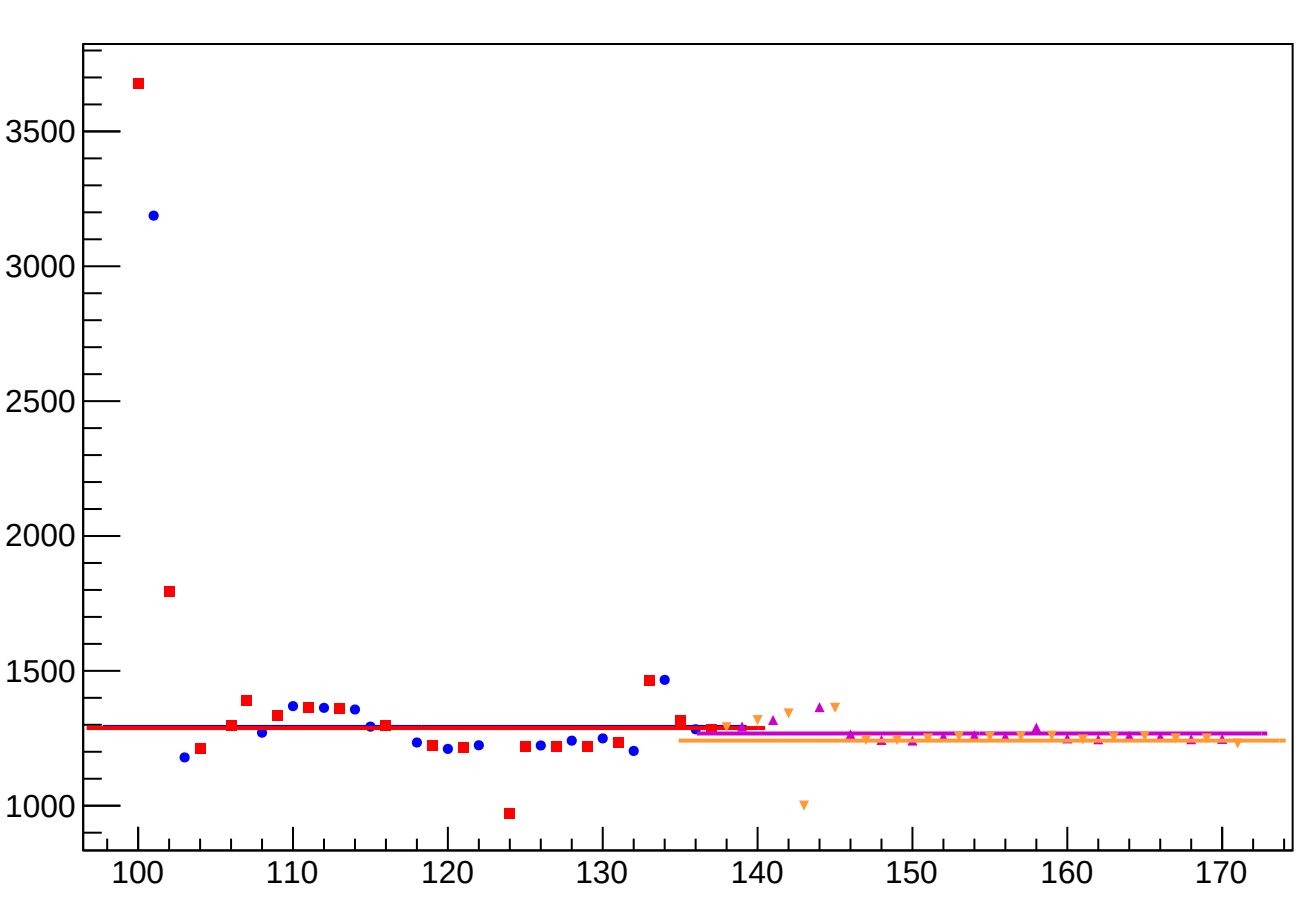
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -322.068+/-329.452 χ²/NDF:25.5/17
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -283.367+/-348.774 χ²/NDF:22.1/15
Left: -303.819+/-239.497 χ²/NDF: 47.6/33
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -447.688+/-284.068 χ²/NDF:36.4/31
Out: -318.683+/-272.103 χ²/NDF:43.5/36
All: -380.412+/-196.499 χ²/NDF: 79.9/68



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: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1253.831+/-0.169 χ^2/NDF: 145140.5/33

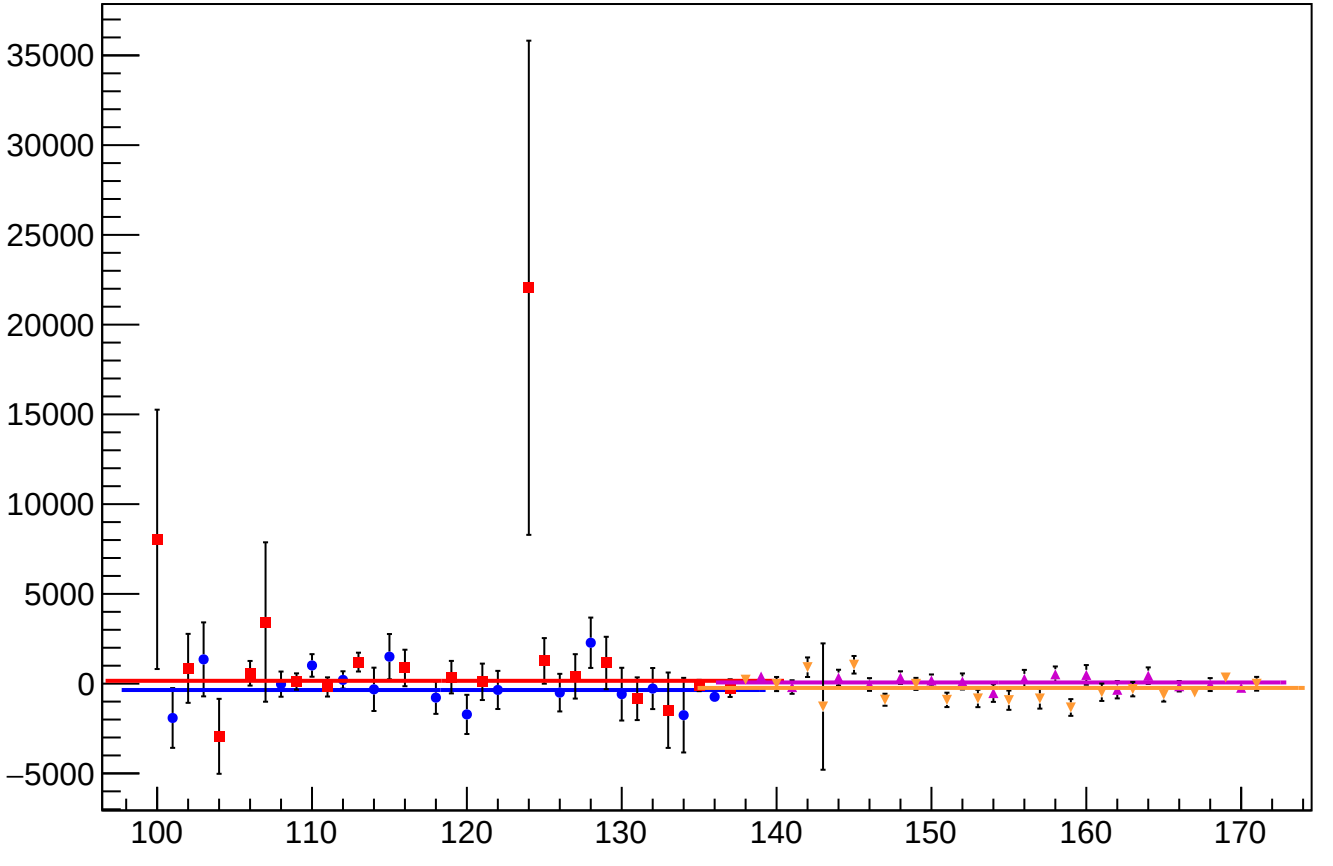
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1275.954+/-0.201 χ^2/NDF:529314.0/31

Out: 1256.190+/-0.192 χ^2/NDF:344357.5/36

All: 1265.647+/-0.139 χ^2/NDF: 878720.4/68

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: 66.045+/-91.826 χ^2/NDF:9.9/15

Left: -88.474+/-64.469 χ^2/NDF: 54.4/33

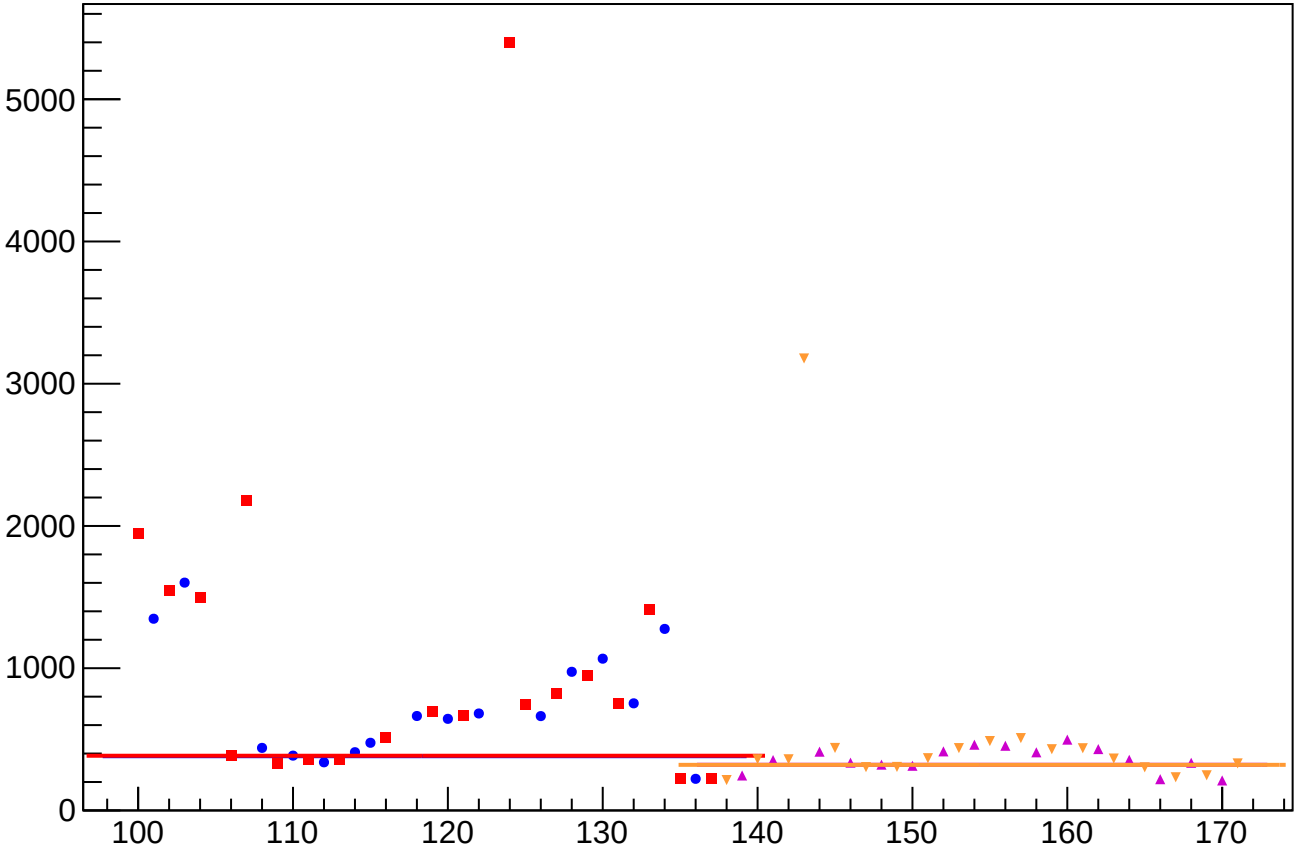
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -29.132+/-80.790 χ^2/NDF:33.1/31

Out: -150.776+/-79.873 χ^2/NDF:59.0/36

All: -90.648+/-56.800 χ^2/NDF: 93.3/68

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: 321.050+/-0.065 χ^2/NDF:1739700.2/15

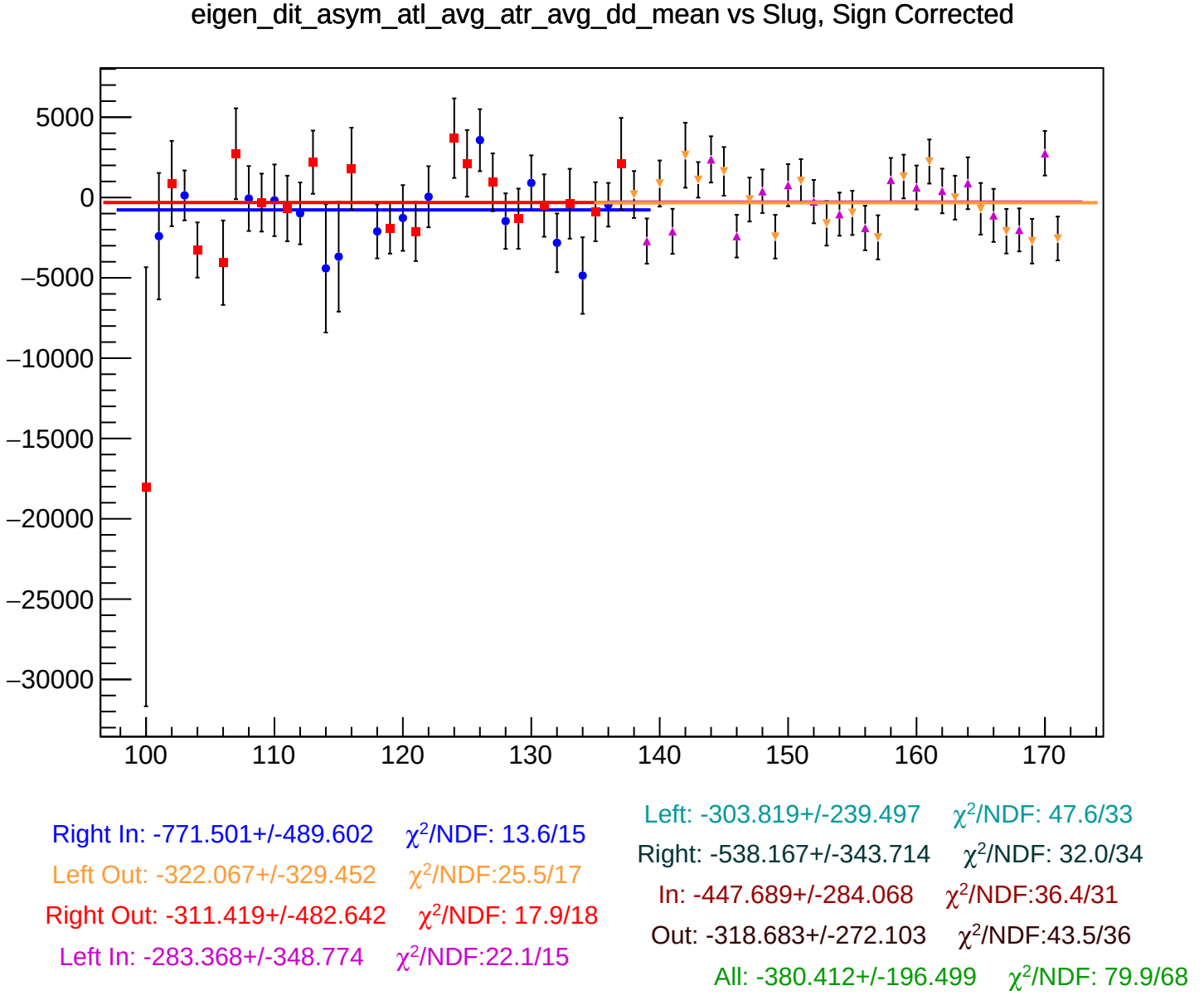
Left: 320.841+/-0.046 χ^2/NDF: 4784240.3/33

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 334.674+/-0.057 χ^2/NDF:6252463.1/31

Out: 334.824+/-0.056 χ^2/NDF:7826337.0/36

All: 334.750+/-0.040 χ^2/NDF: 14078803.6/68


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
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−20000
−25000
−30000
100
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130
140
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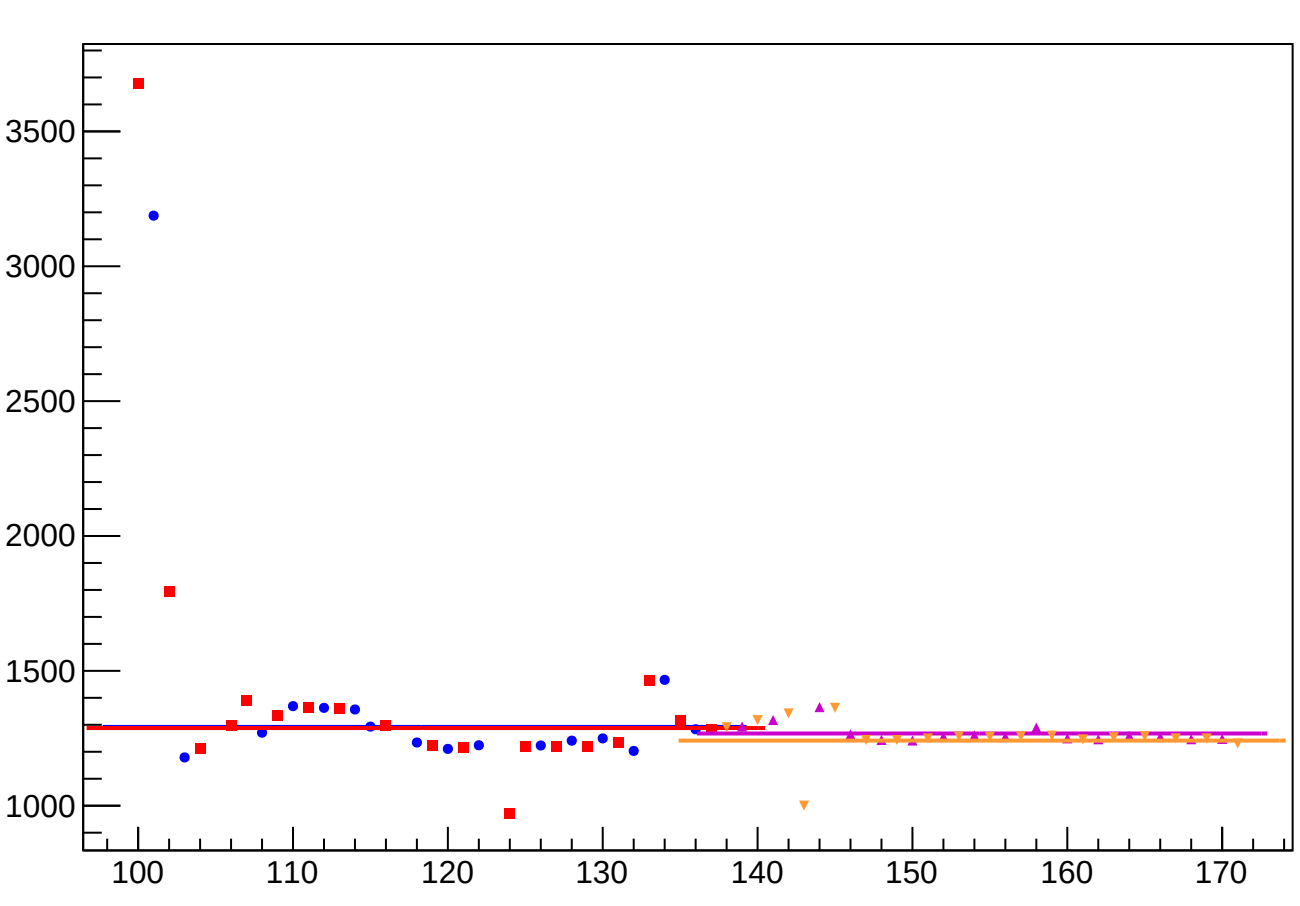
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -322.067+/-329.452 χ²/NDF:25.5/17
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -283.368+/-348.774 χ²/NDF:22.1/15
Left: -303.819+/-239.497 χ²/NDF: 47.6/33
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -447.689+/-284.068 χ²/NDF:36.4/31
Out: -318.683+/-272.103 χ²/NDF:43.5/36
All: -380.412+/-196.499 χ²/NDF: 79.9/68



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: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1253.831+/-0.169 χ^2/NDF: 145139.7/33

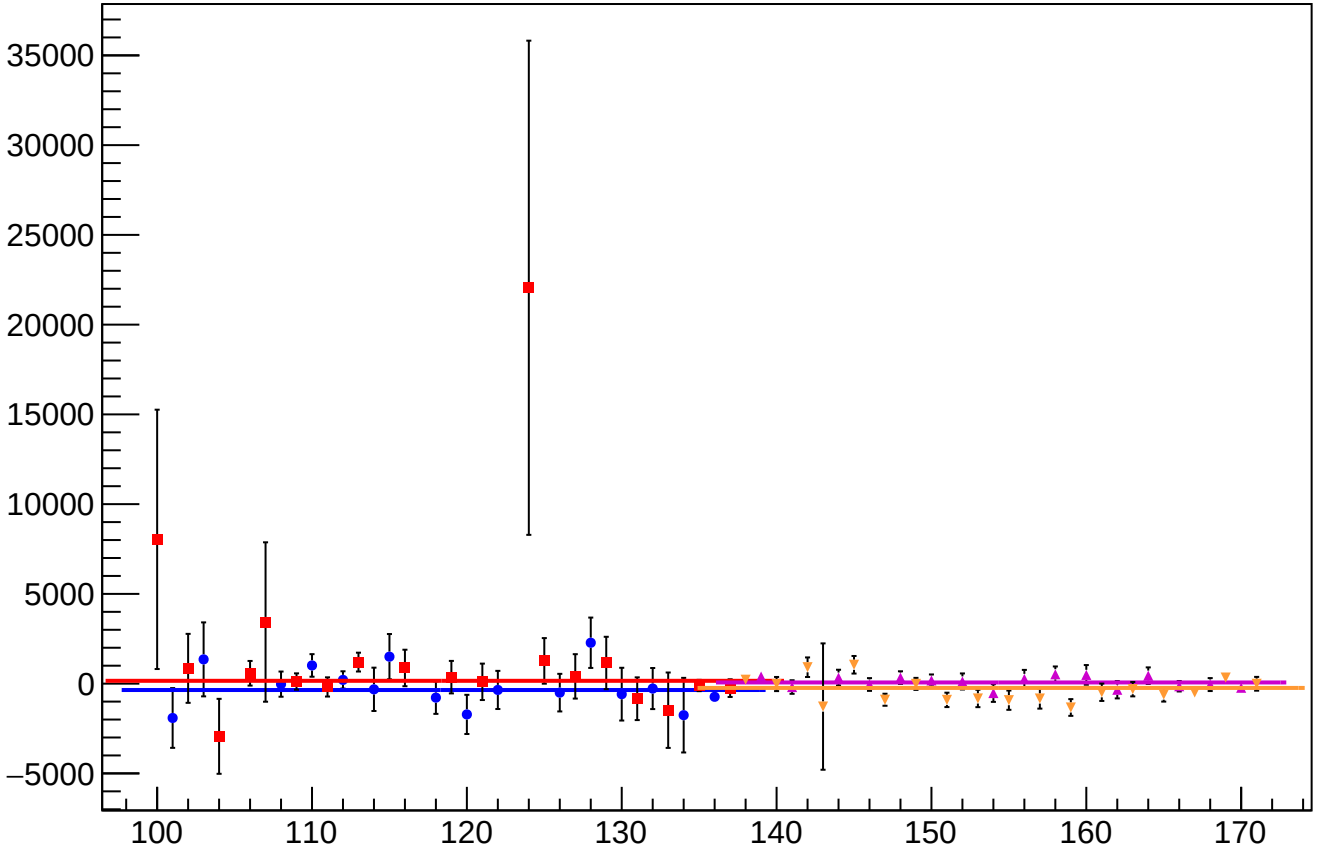
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1275.954+/-0.201 χ^2/NDF:529314.1/31

Out: 1256.190+/-0.192 χ^2/NDF:344357.0/36

All: 1265.647+/-0.139 χ^2/NDF: 878719.8/68

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: 66.042+/-91.827 χ^2/NDF:9.9/15

Left: -88.479+/-64.469 χ^2/NDF: 54.4/33

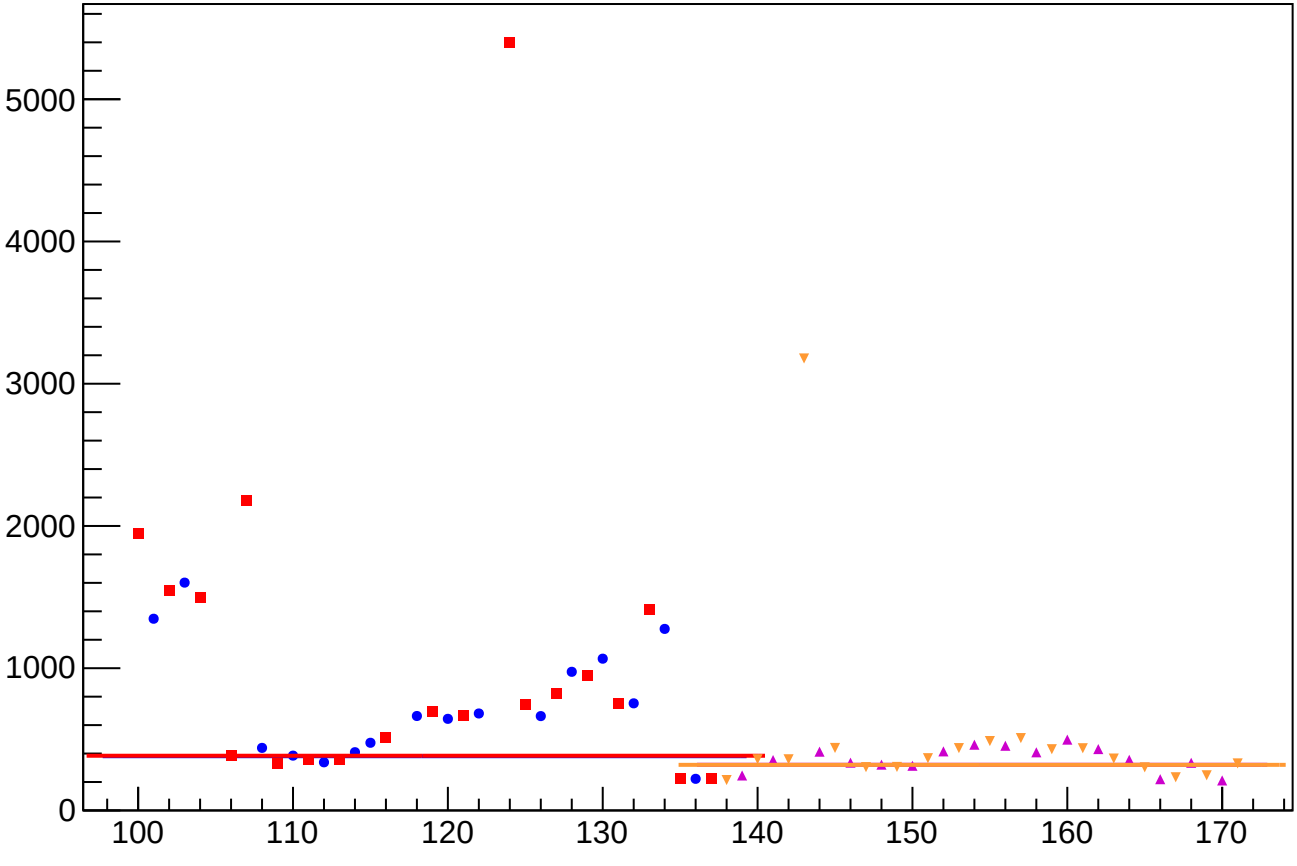
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -29.132+/-80.791 χ^2/NDF:33.1/31

Out: -150.782+/-79.874 χ^2/NDF:59.0/36

All: -90.651+/-56.801 χ^2/NDF: 93.3/68

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: 321.052+/-0.065 χ^2/NDF:1739642.4/15

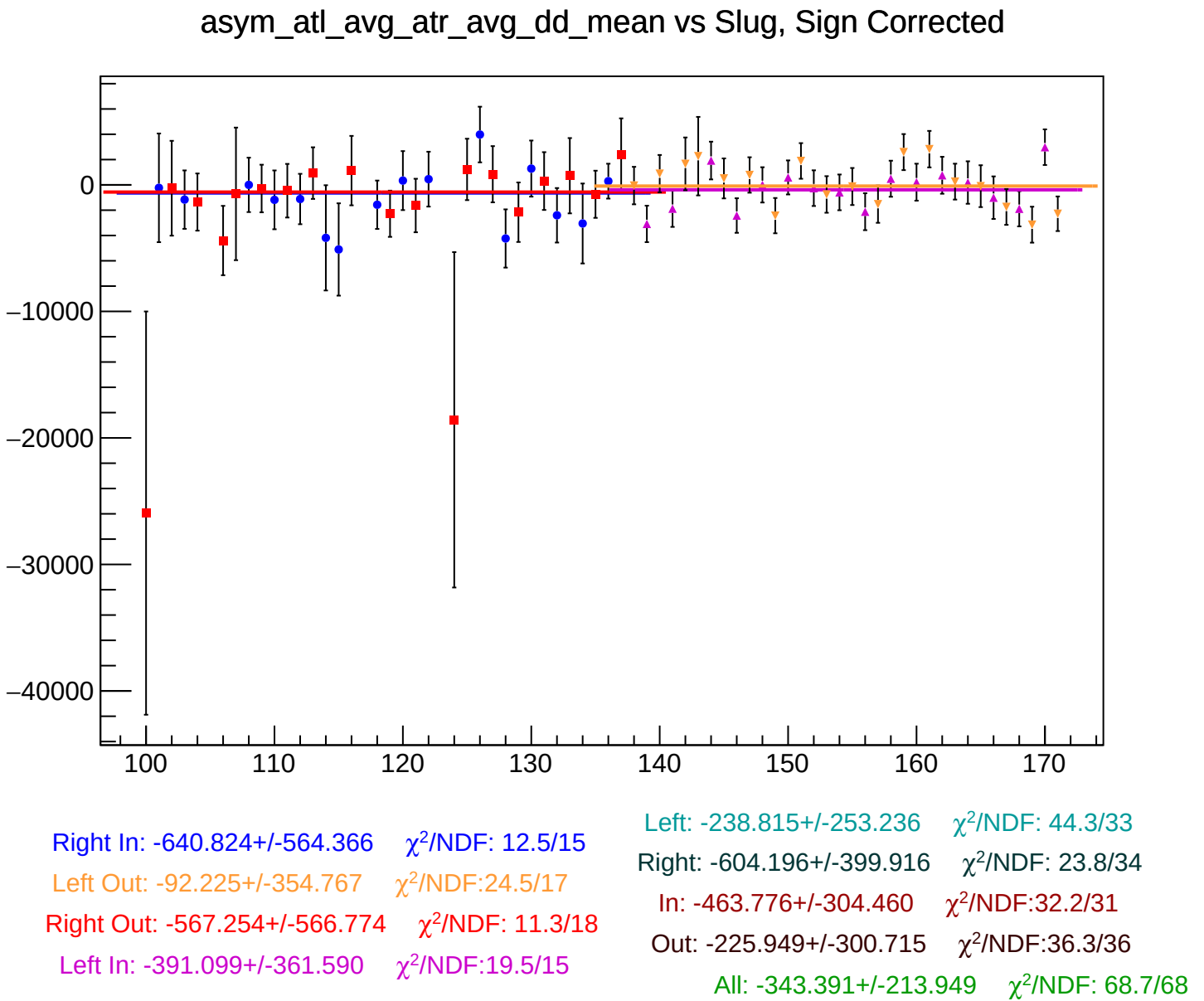
Left: 320.843+/-0.046 χ^2/NDF: 4784057.9/33

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

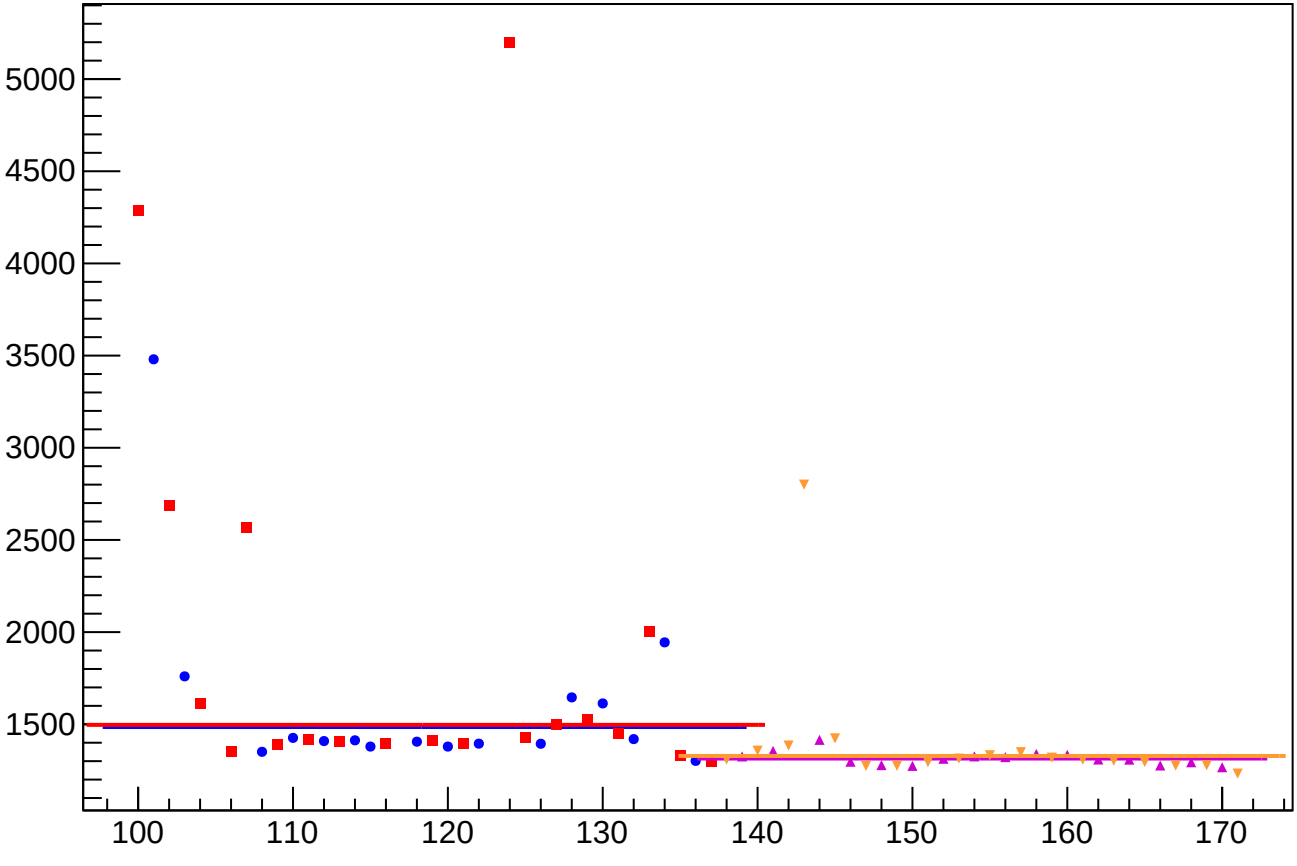
In: 334.677+/-0.057 χ^2/NDF:6252267.9/31

Out: 334.828+/-0.056 χ^2/NDF:7826101.6/36

All: 334.753+/-0.040 χ^2/NDF: 14078373.1/68


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: -391.099+/-361.590 χ²/NDF:19.5/15
Left: -238.815+/-253.236 χ²/NDF: 44.3/33
Right: -604.196+/-399.916 χ²/NDF: 23.8/34
In: -463.776+/-304.460 χ²/NDF:32.2/31
Out: -225.949+/-300.715 χ²/NDF:36.3/36
All: -343.391+/-213.949 χ²/NDF: 68.7/68

asym_atl_avg_atr_avg_dd_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: 1314.277+/-0.256 χ^2/NDF:19225.9/15

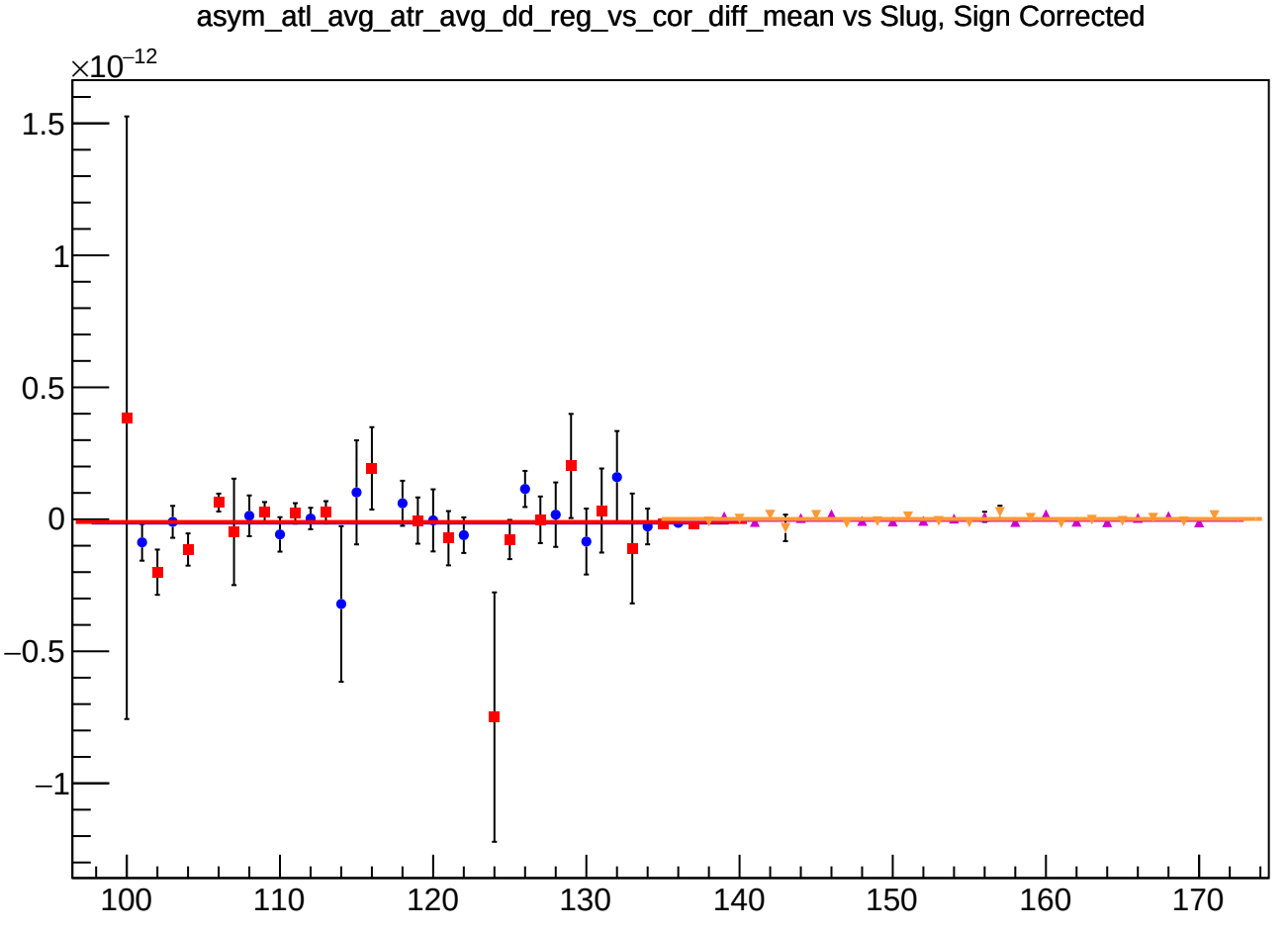
Left: 1321.336+/-0.179 χ^2/NDF: 505146.1/33

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1364.070+/-0.215 χ^2/NDF:734013.7/31

Out: 1375.632+/-0.213 χ^2/NDF:1235078.1/36

All: 1369.923+/-0.151 χ^2/NDF: 1970551.7/68



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:17.8/15

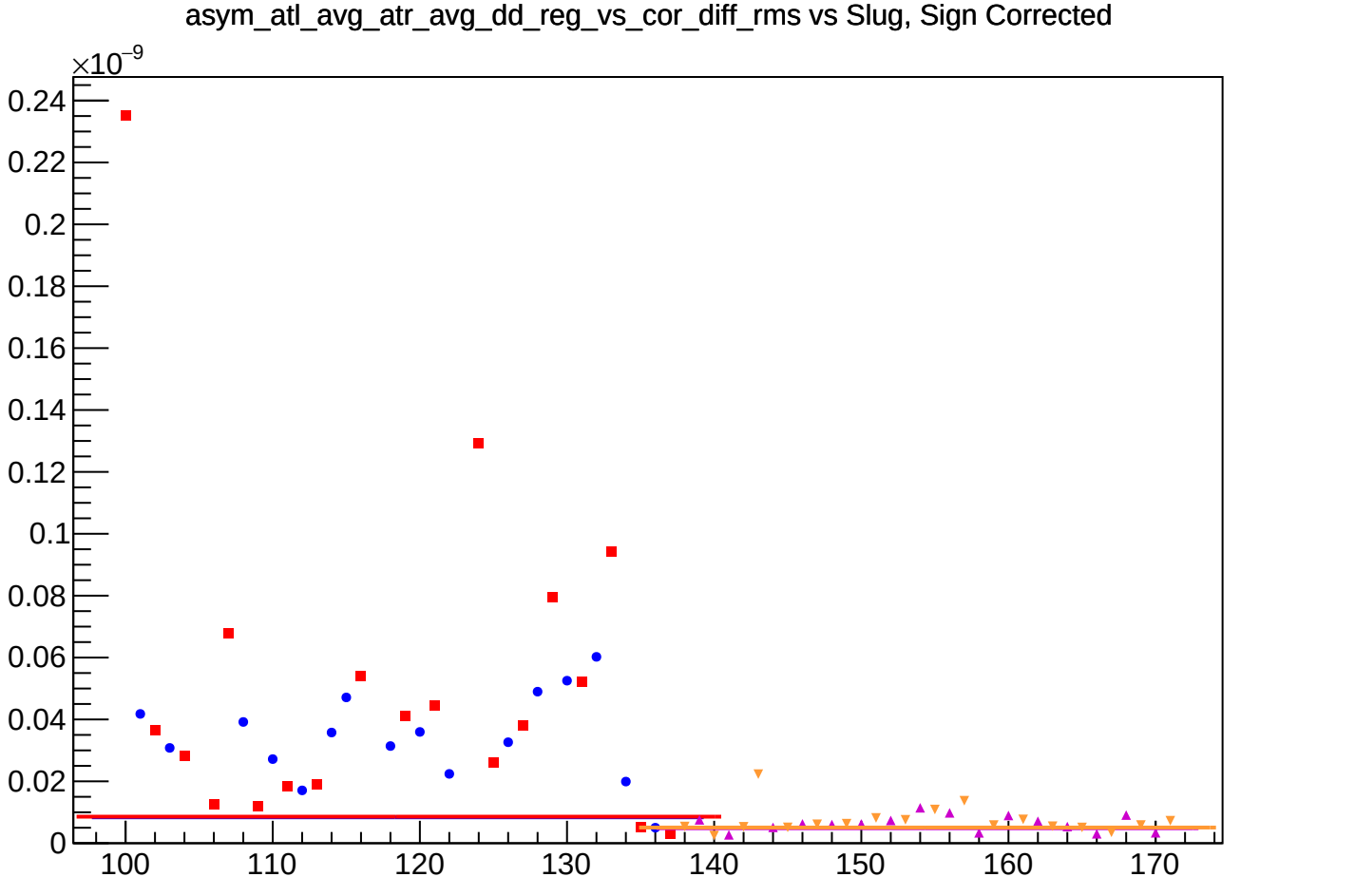
Left: -0.000+/-0.000 χ^2/NDF: 35.8/33

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

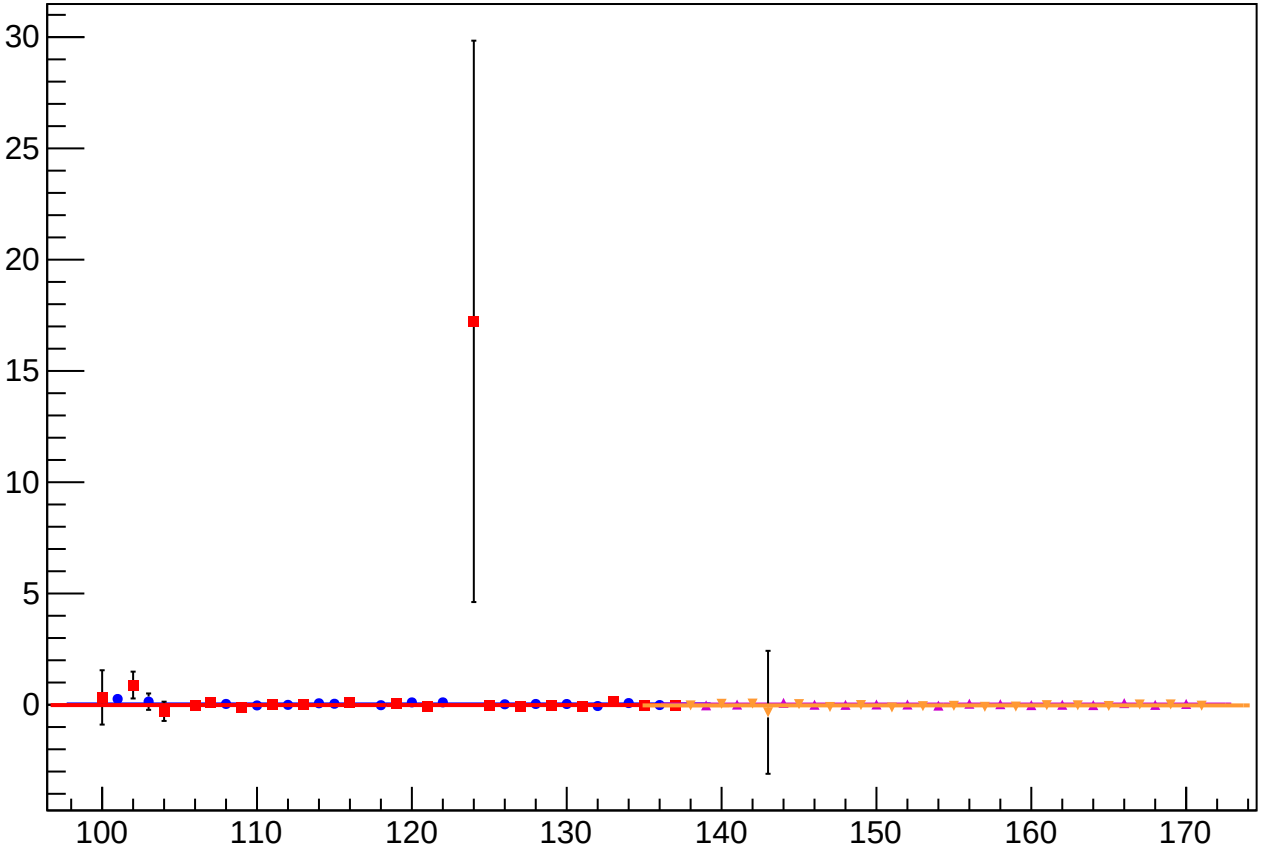
In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: 0.000+/-0.000 χ^2/NDF:41.0/36

All: -0.000+/-0.000 χ^2/NDF: 71.3/68


asym_atl_avg_atr_avg_dd_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
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3059657.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1835857.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 3348571.5/18
Left In: 0.000+/-0.000 χ²/NDF:1687671.3/15
Left: 0.000+/-0.000 χ²/NDF: 3533355.2/33
Right: 0.000+/-0.000 χ²/NDF: 6408892.5/34
In: 0.000+/-0.000 χ²/NDF:5159743.8/31
Out: 0.000+/-0.000 χ²/NDF:5537997.6/36
All: 0.000+/-0.000 χ²/NDF: 10704031.6/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

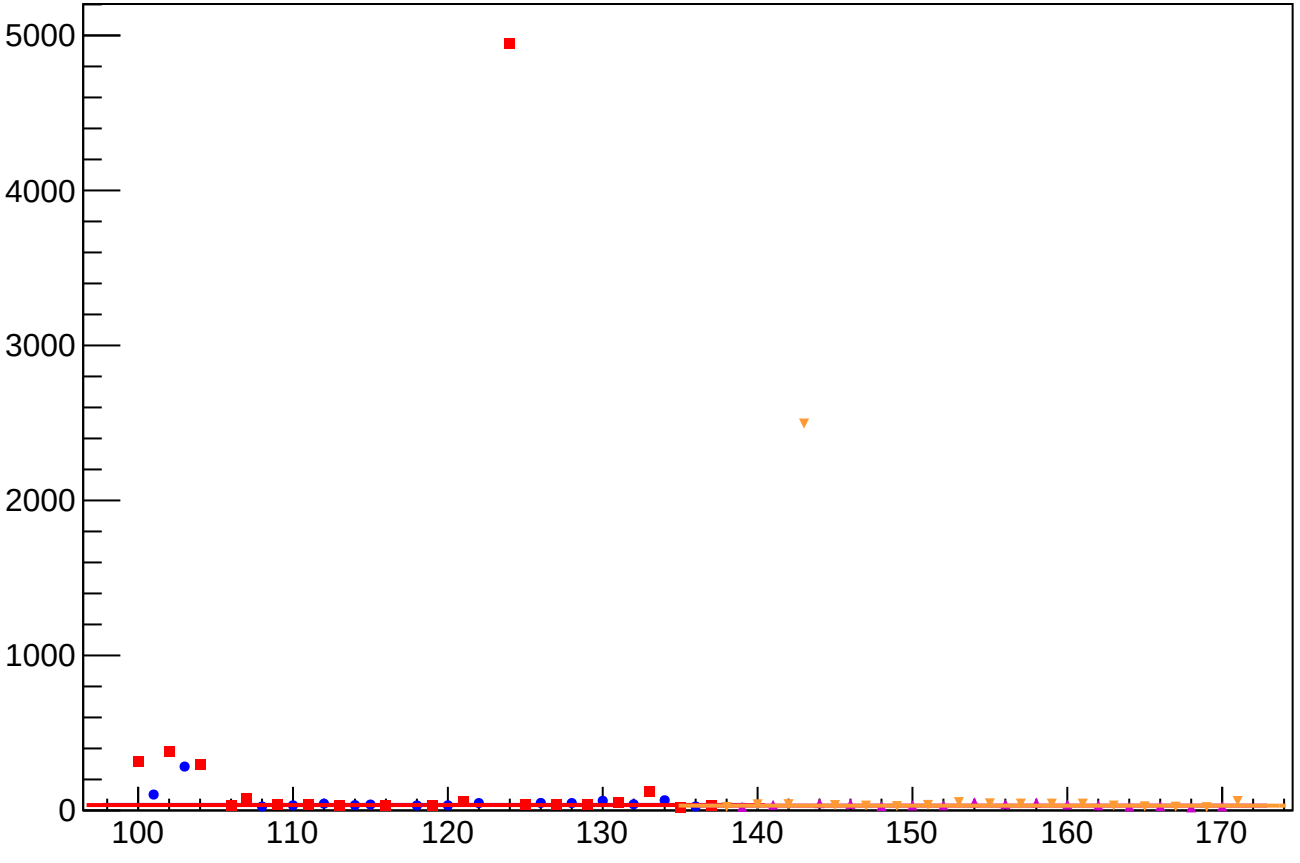
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.158+/-0.007 χ^2/NDF:1662854.0/15

Left: 31.102+/-0.005 χ^2/NDF: 5051961.2/33

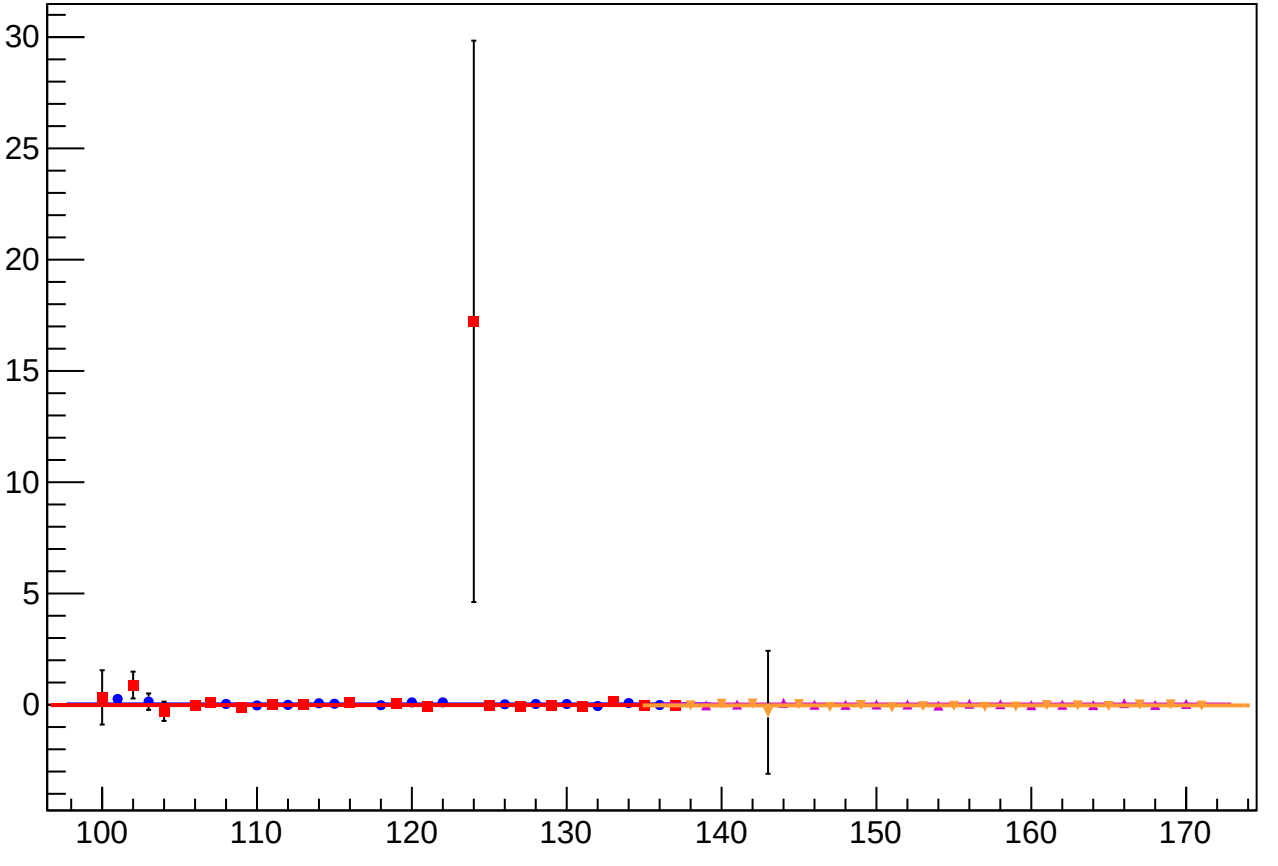
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

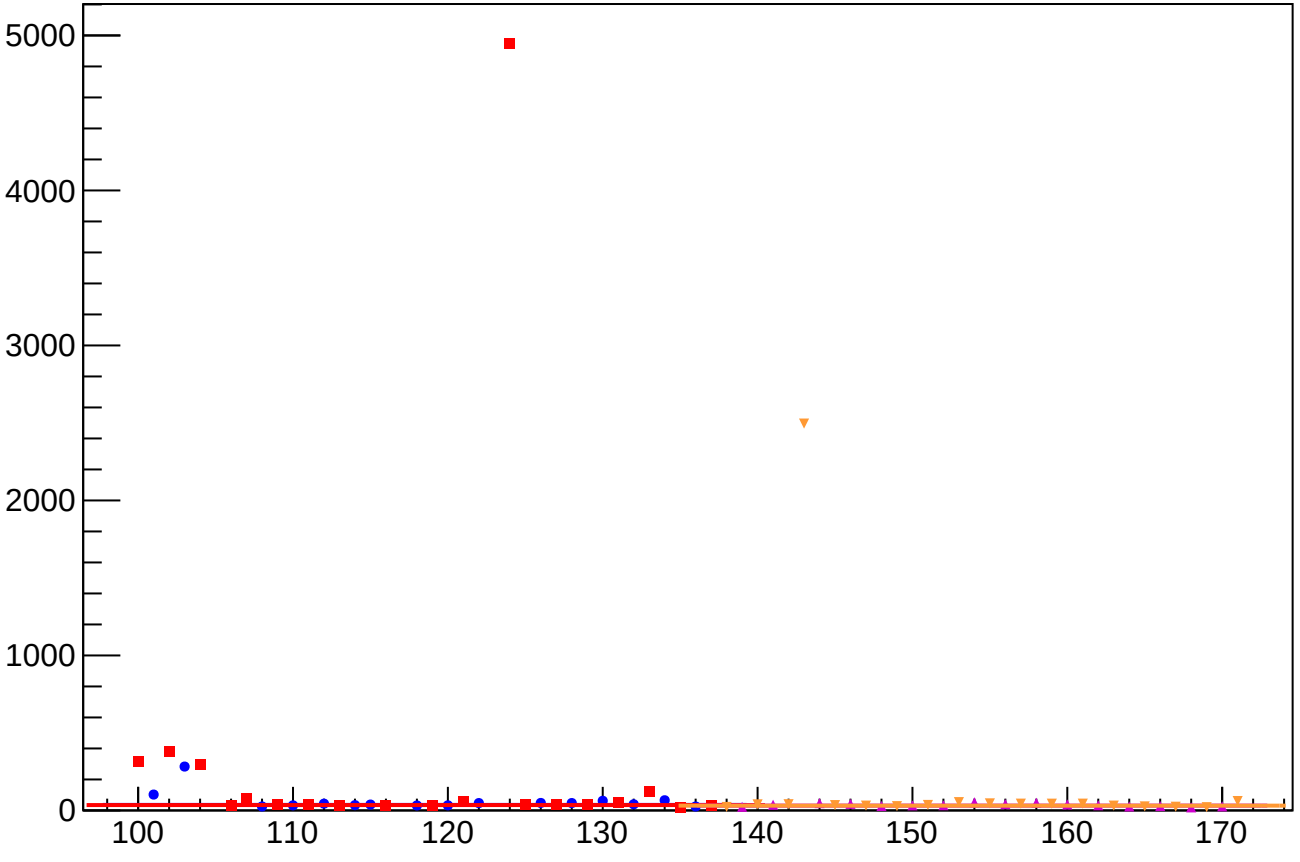
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.158+/-0.007 χ^2/NDF:1662854.0/15

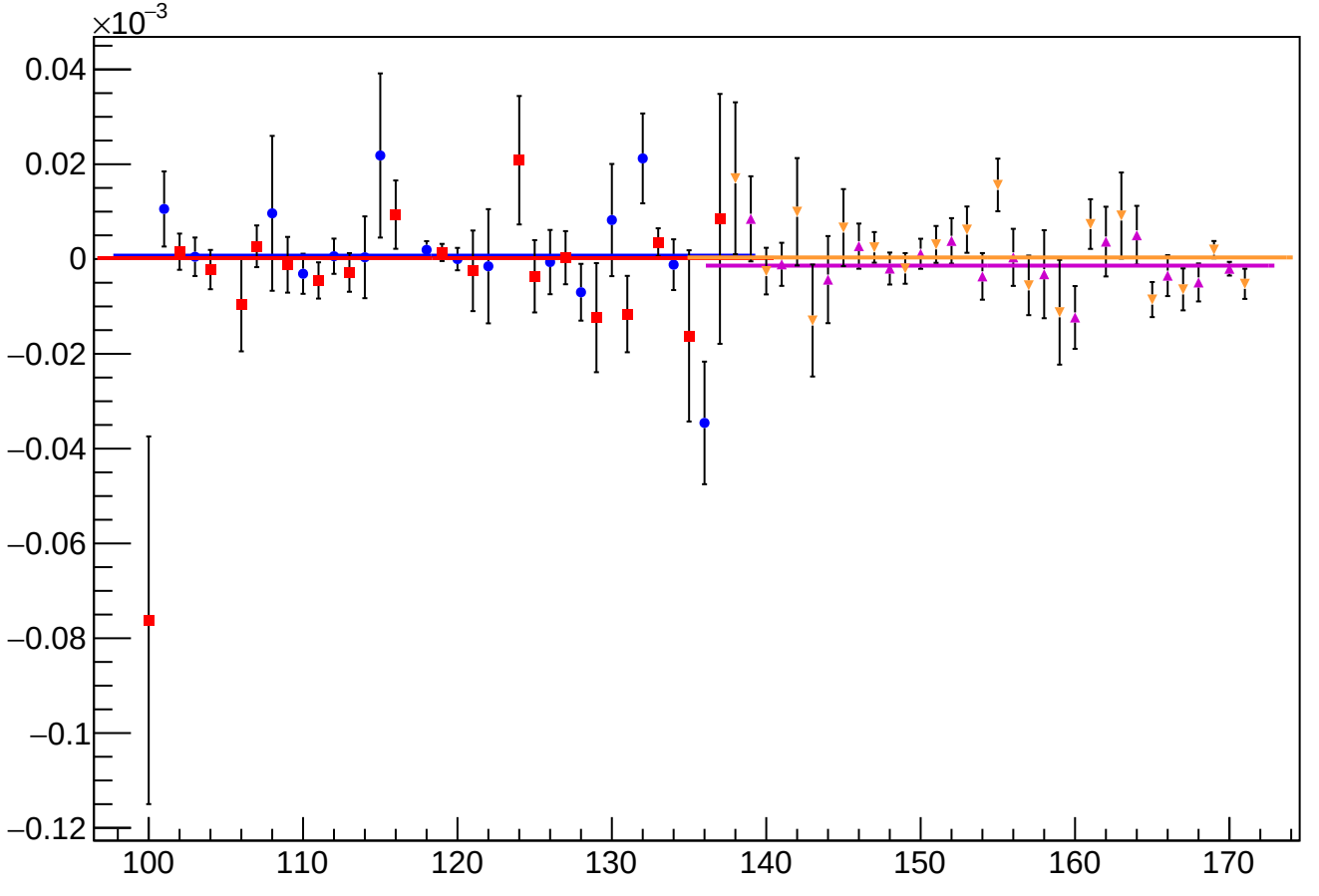
Left: 31.102+/-0.005 χ^2/NDF: 5051961.2/33

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68



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:9.7/15

Left: -0.000+/-0.000 χ^2/NDF: 42.5/33

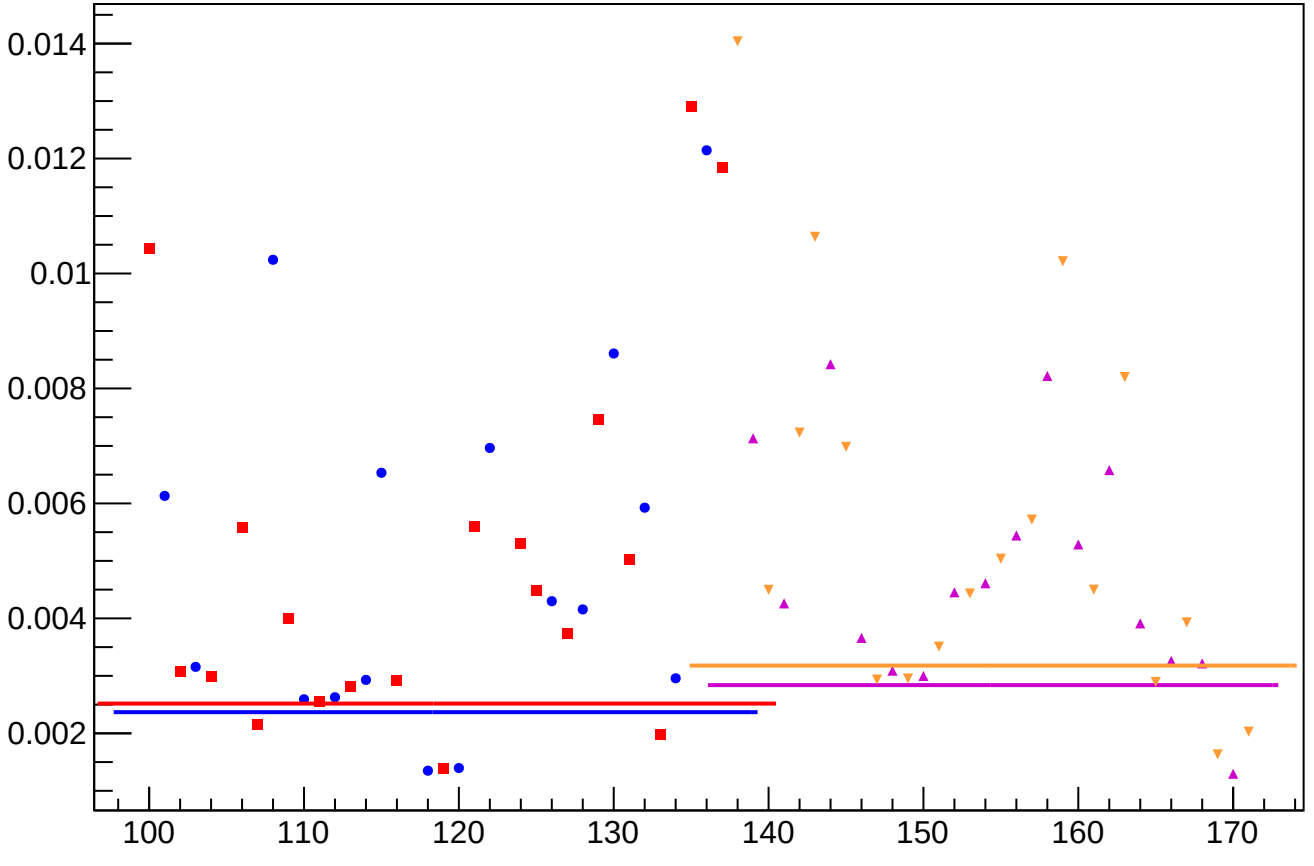
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:30.9/31

Out: 0.000+/-0.000 χ^2/NDF:49.3/36

All: -0.000+/-0.000 χ^2/NDF: 80.7/68

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-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:6167921.6/15

Left: 0.003+/-0.000 χ^2/NDF: 12877022.0/33

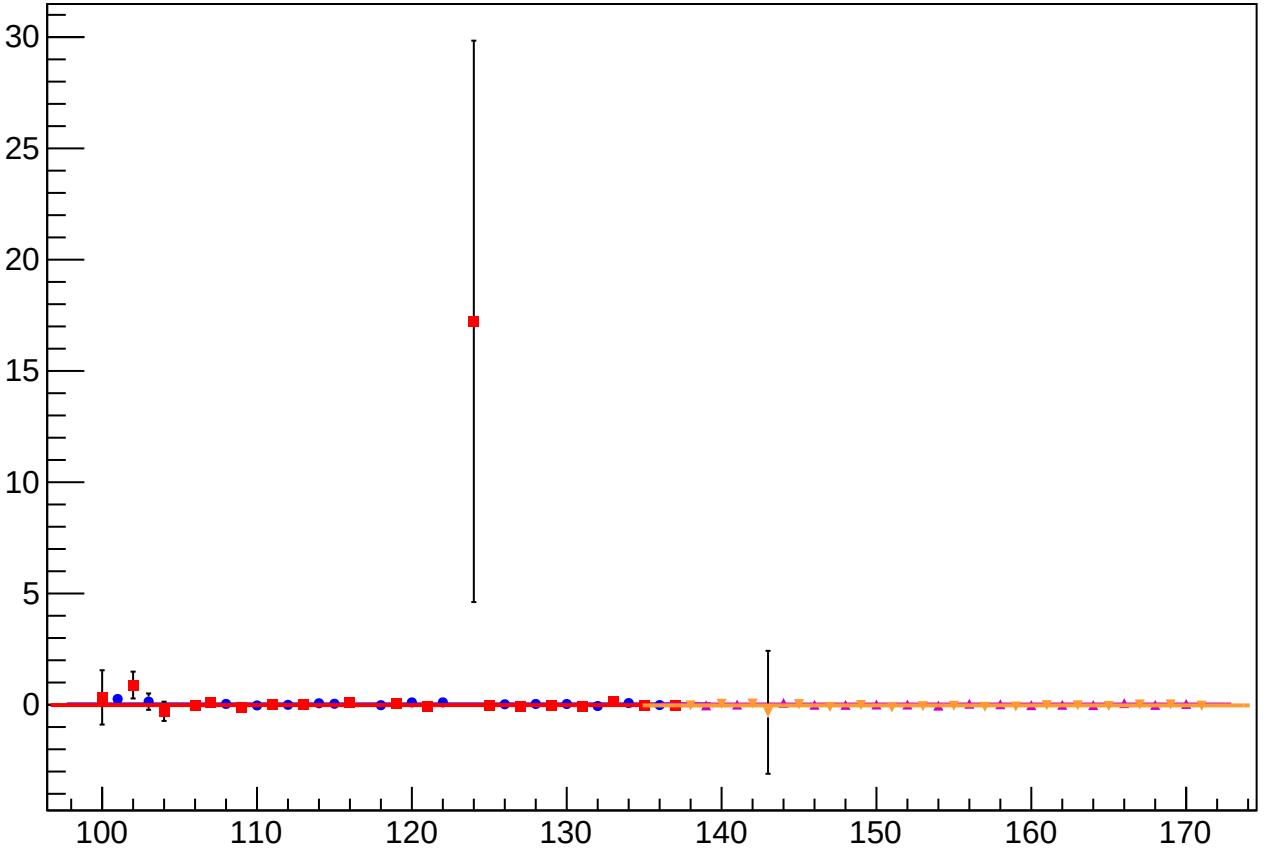
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11096704.6/31

Out: 0.003+/-0.000 χ^2/NDF:10398152.6/36

All: 0.003+/-0.000 χ^2/NDF: 21598379.3/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

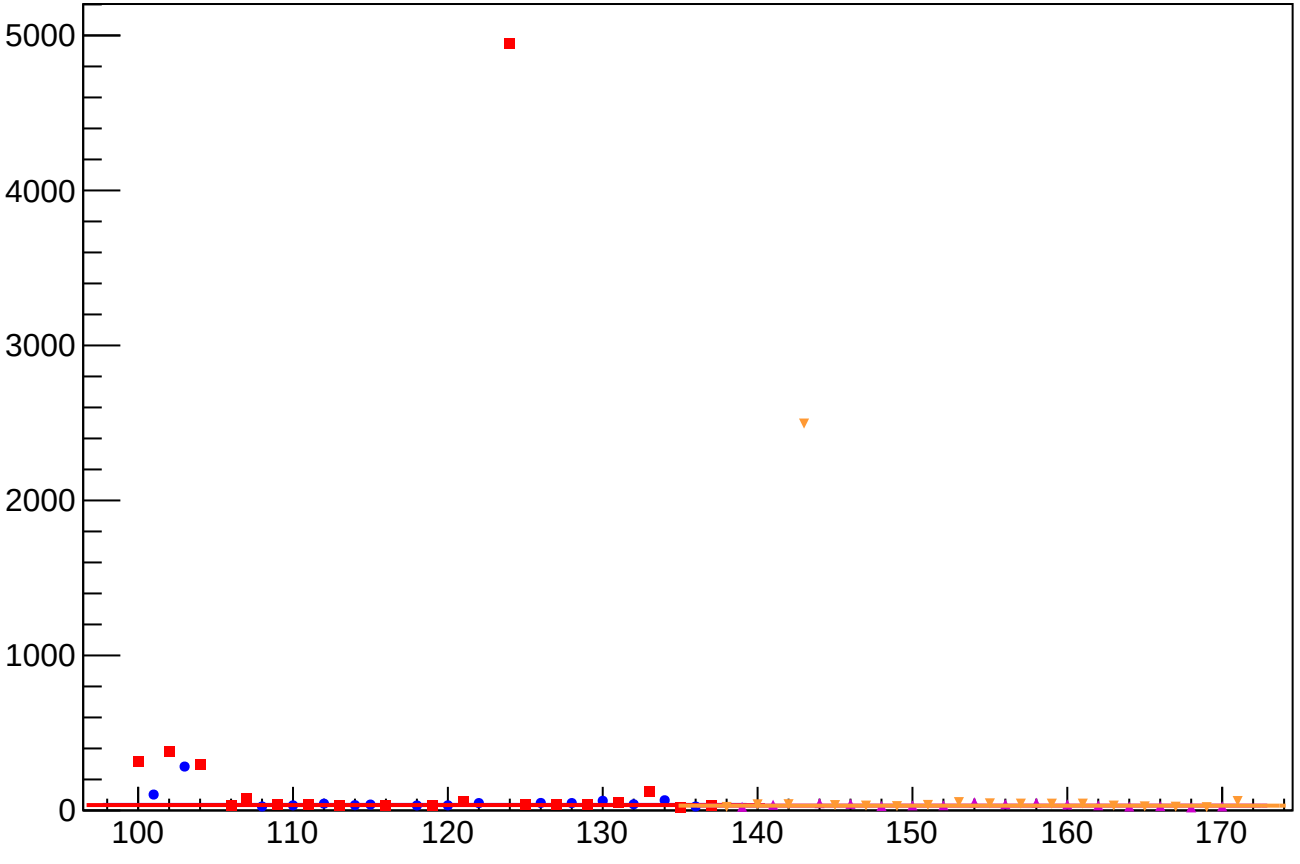
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.157+/-0.007 χ^2/NDF:1663416.5/15

Left: 31.102+/-0.005 χ^2/NDF: 5052782.6/33

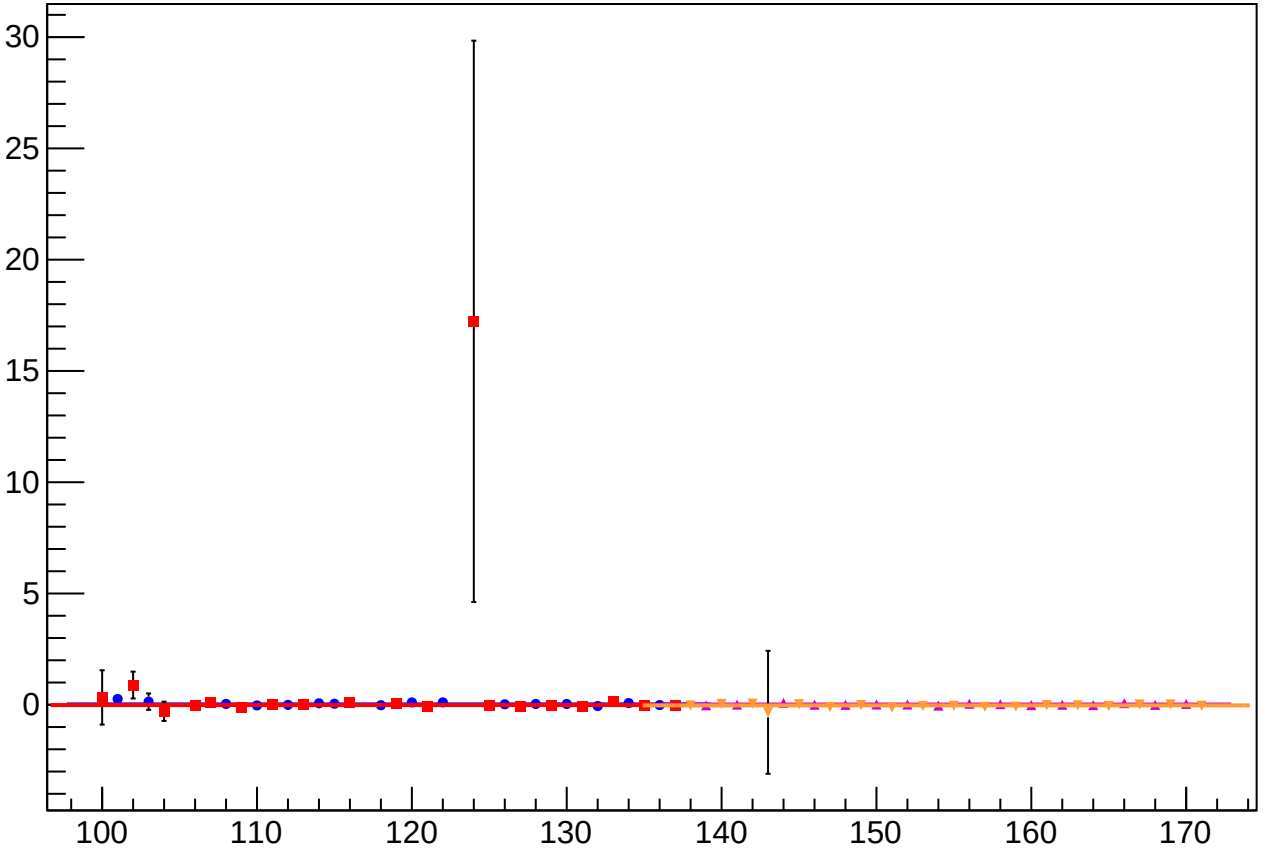
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

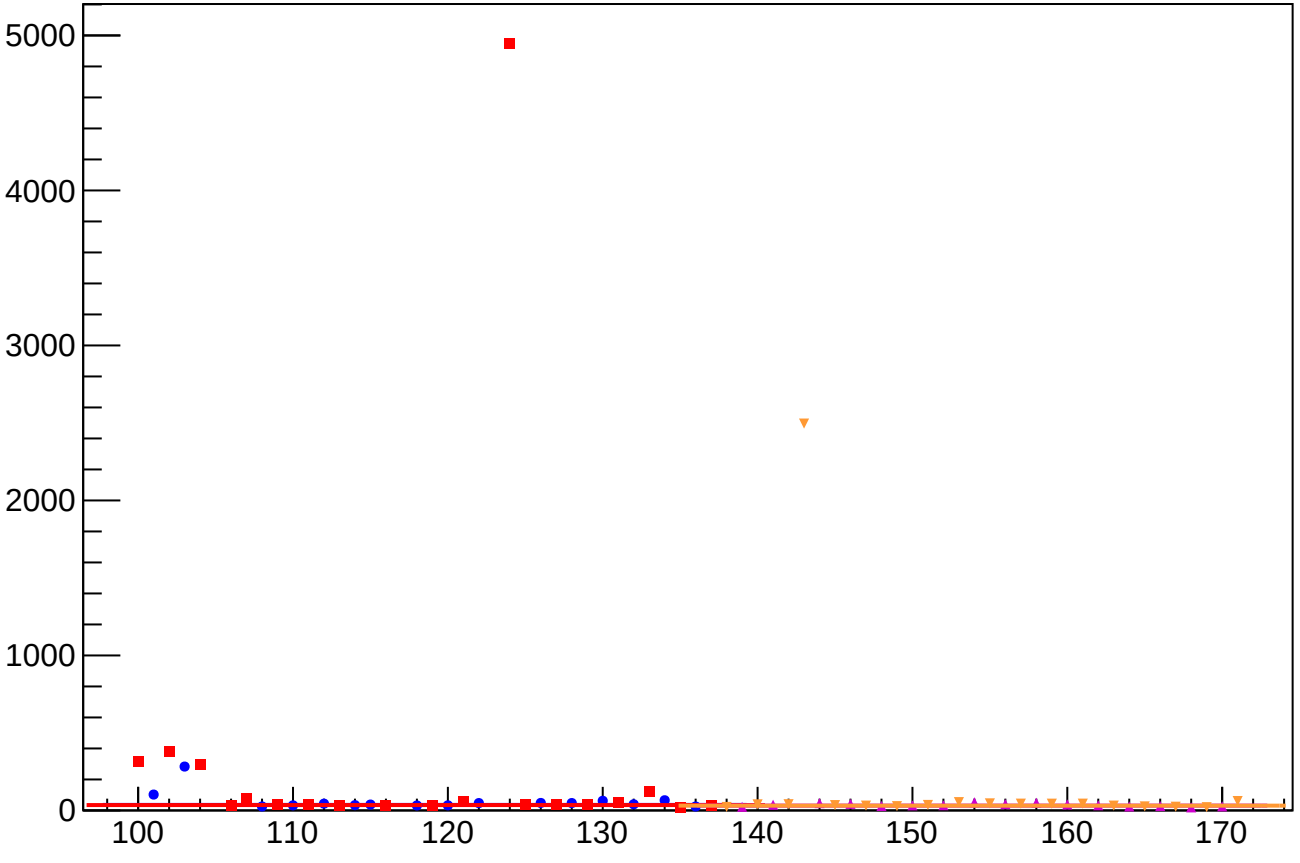
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.157+/-0.007 χ^2/NDF:1663416.5/15

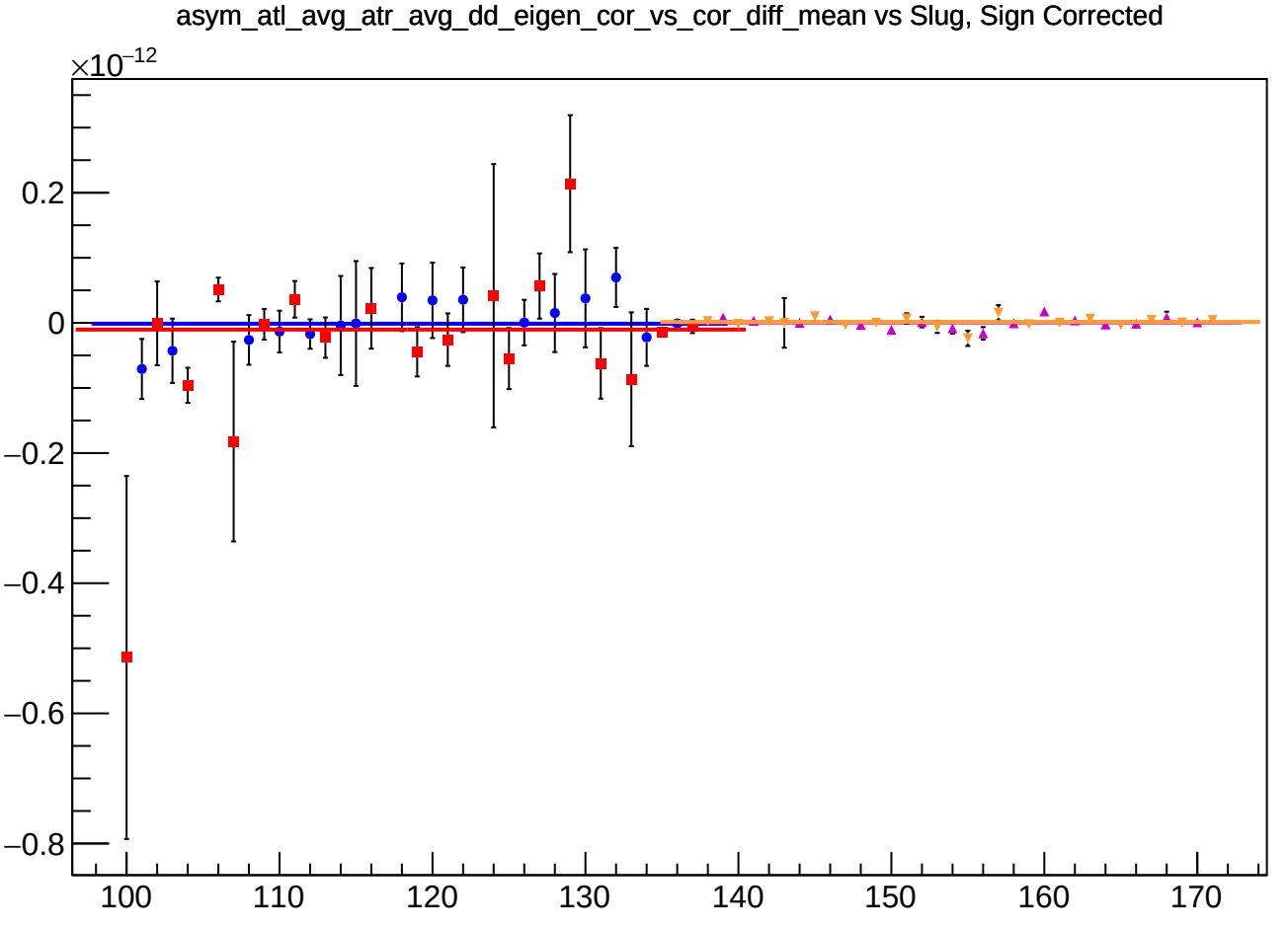
Left: 31.102+/-0.005 χ^2/NDF: 5052782.6/33

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68



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:18.3/15

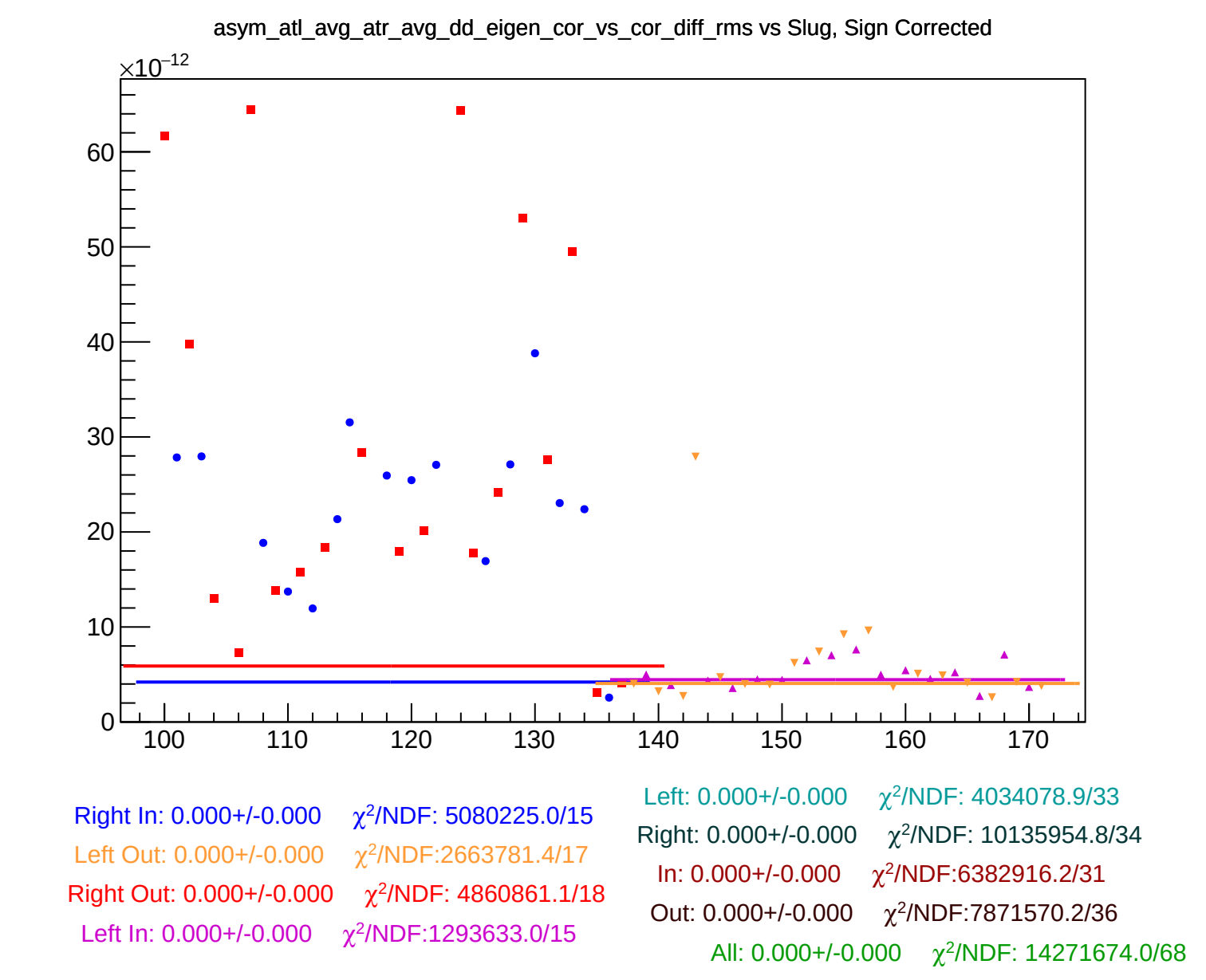
Left: 0.000+/-0.000 χ^2/NDF: 31.5/33

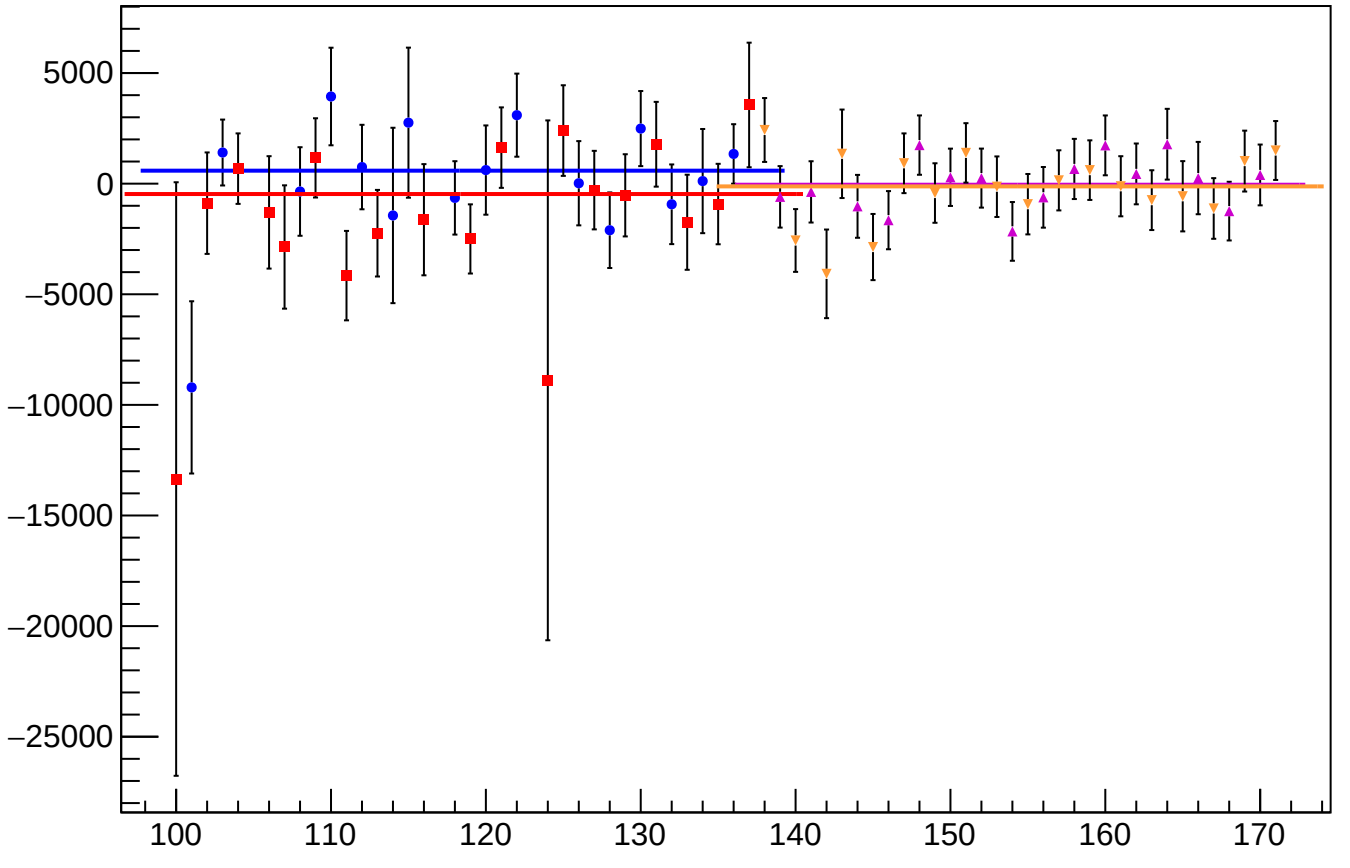
Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:27.2/31

Out: 0.000+/-0.000 χ^2/NDF:60.0/36

All: 0.000+/-0.000 χ^2/NDF: 87.2/68


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5080225.0/15
Left Out: 0.000+/-0.000 χ²/NDF:2663781.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 4860861.1/18
Left In: 0.000+/-0.000 χ²/NDF:1293633.0/15
Left: 0.000+/-0.000 χ²/NDF: 4034078.9/33
Right: 0.000+/-0.000 χ²/NDF: 10135954.8/34
In: 0.000+/-0.000 χ²/NDF:6382916.2/31
Out: 0.000+/-0.000 χ²/NDF:7871570.2/36
All: 0.000+/-0.000 χ²/NDF: 14271674.0/68



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: -48.296+/-344.934 χ^2/NDF:11.2/15

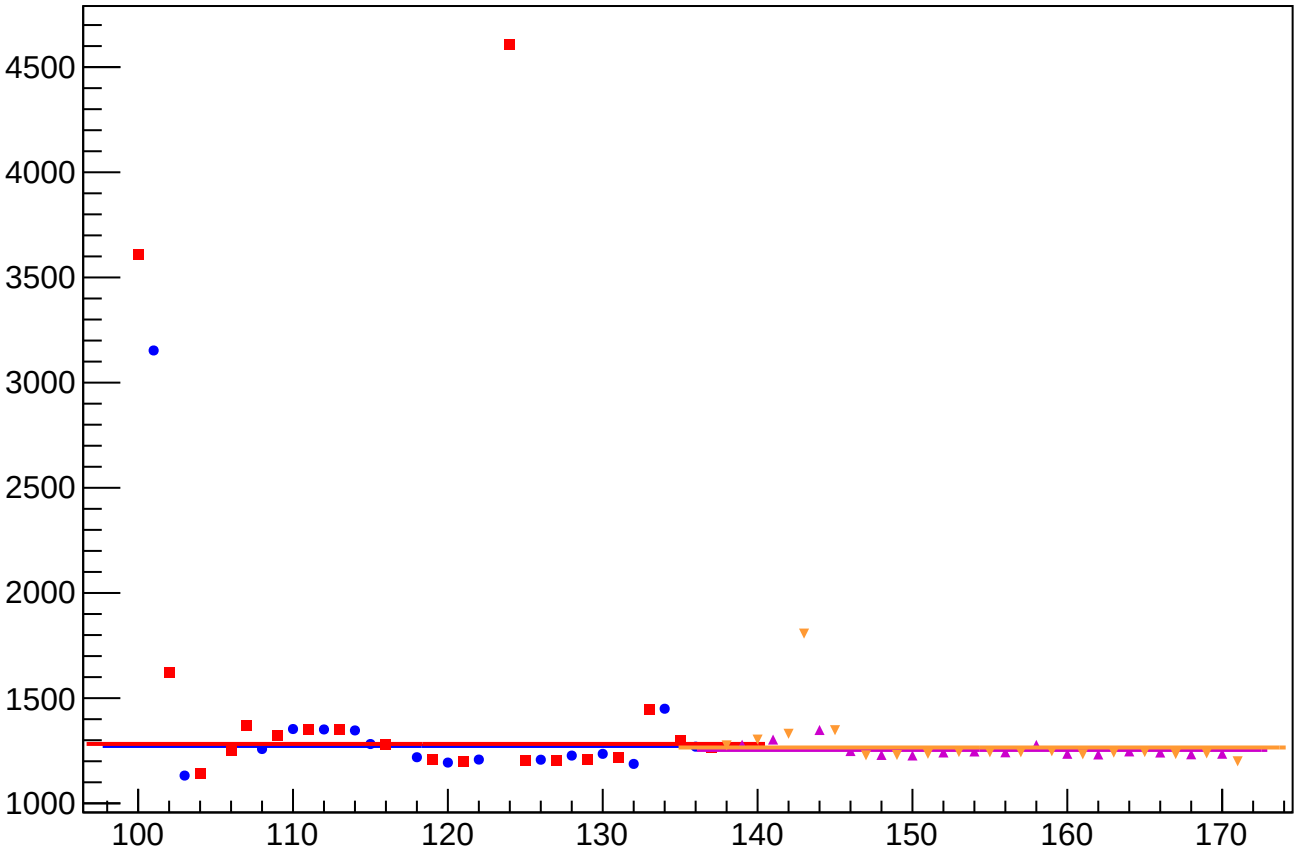
Left: -86.925+/-240.726 χ^2/NDF: 30.7/33

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 166.588+/-280.591 χ^2/NDF:29.4/31

Out: -237.081+/-275.421 χ^2/NDF:36.7/36

All: -39.000+/-196.554 χ^2/NDF: 67.1/68



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: 1253.860+/-0.244 χ^2/NDF:16342.5/15

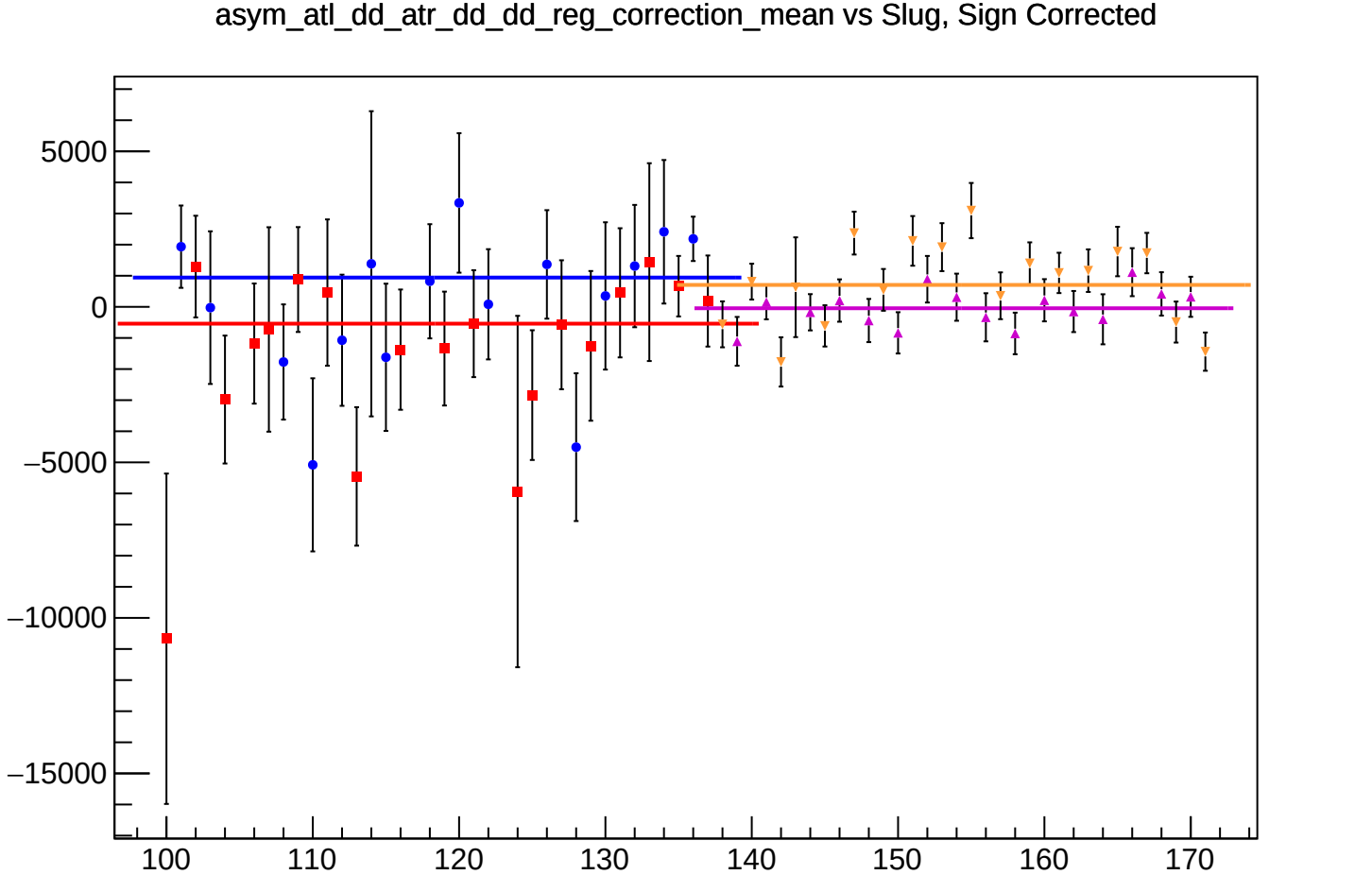
Left: 1259.782+/-0.170 χ^2/NDF: 188598.7/33

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1260.268+/-0.198 χ^2/NDF:537681.5/31

Out: 1270.977+/-0.195 χ^2/NDF:494858.5/36

All: 1265.722+/-0.139 χ^2/NDF: 1034023.5/68



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 704.776+/-168.260 χ^2/NDF:57.3/17

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -45.247+/-171.719 χ^2/NDF:10.7/15

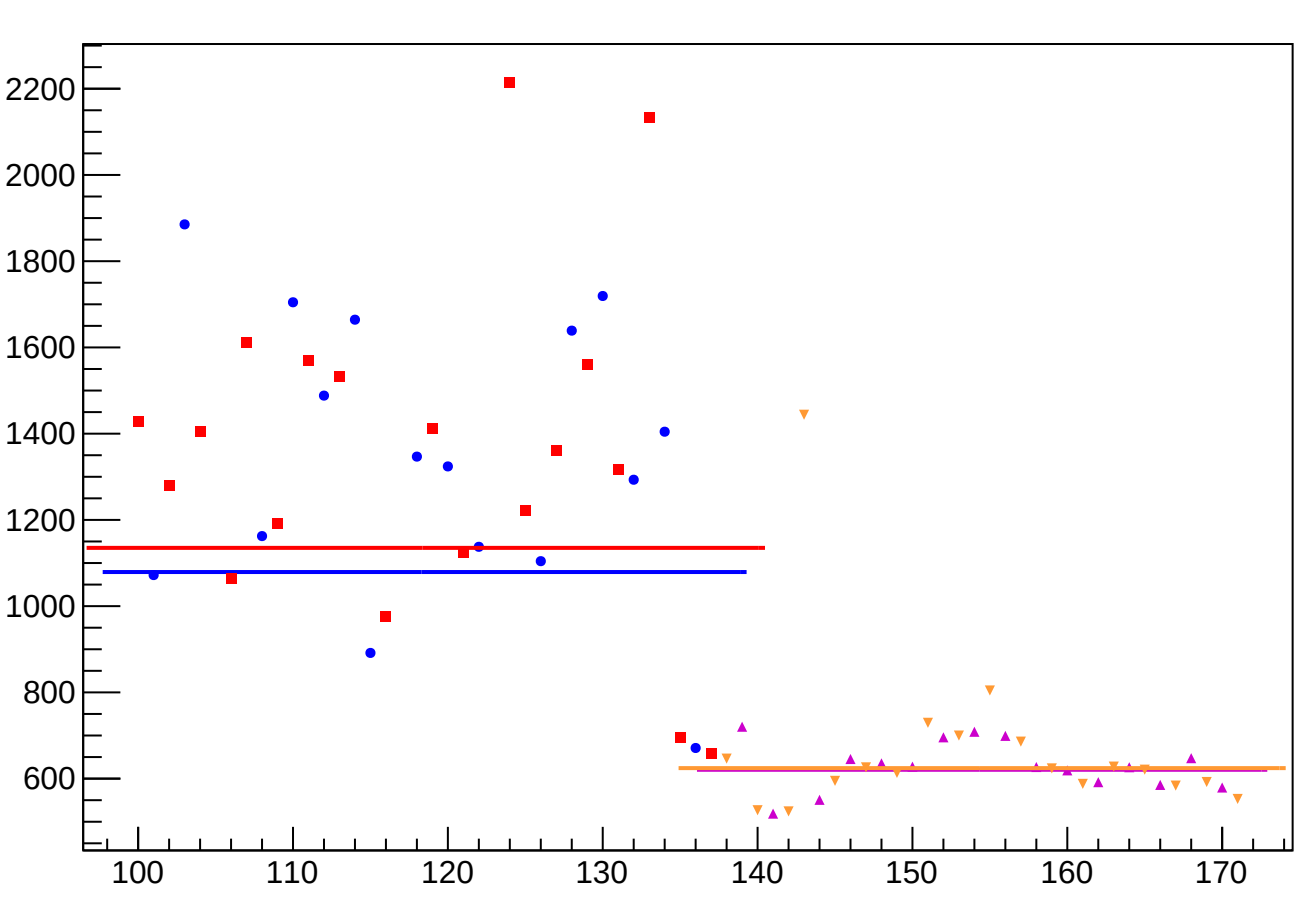
Left: 337.394+/-120.182 χ^2/NDF: 77.7/33

Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 92.803+/-159.258 χ^2/NDF:35.2/31

Out: 545.828+/-157.157 χ^2/NDF:81.5/36

All: 322.324+/-111.862 χ^2/NDF: 120.8/68



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: 620.511+/-0.121 χ^2/NDF:219548.1/15

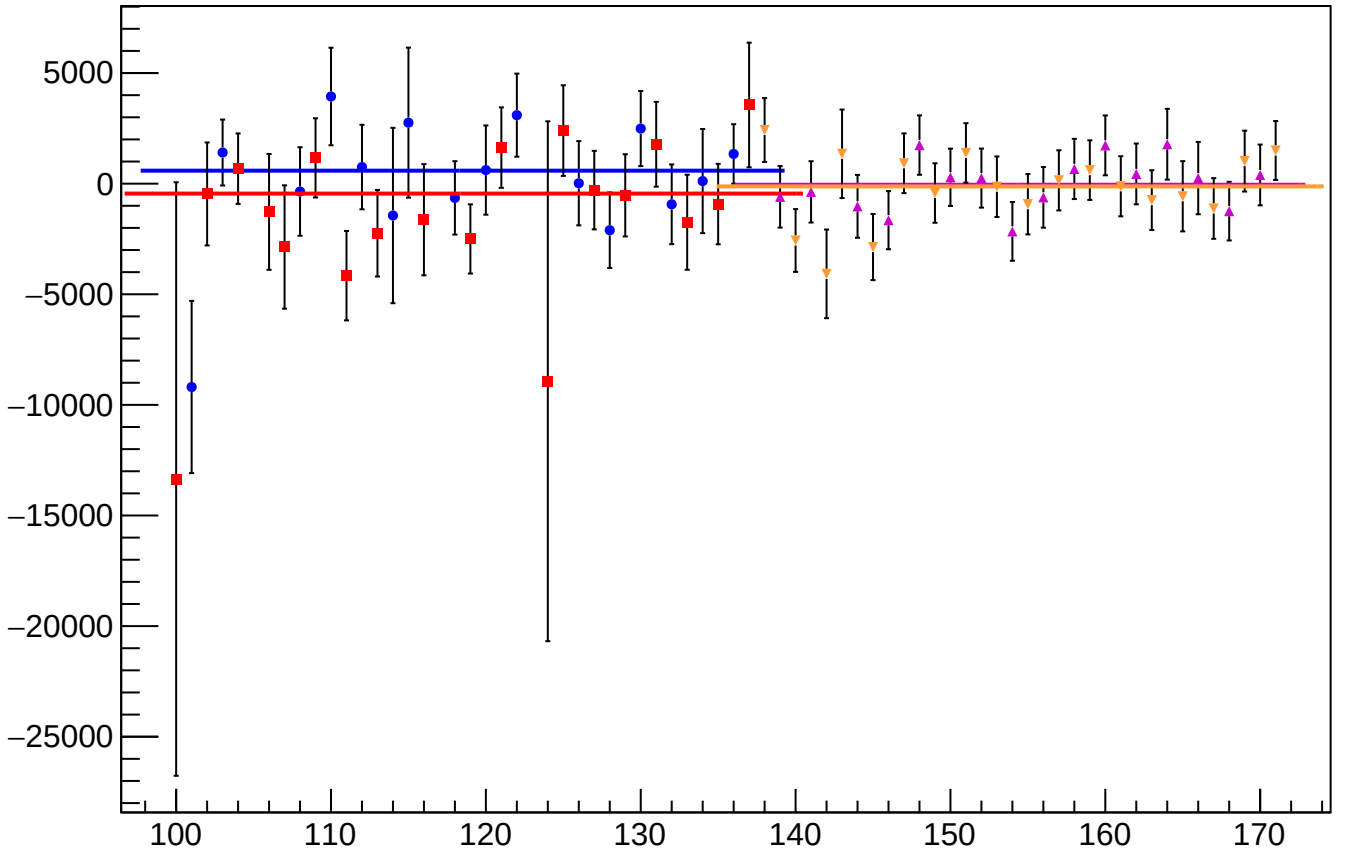
Left: 622.480+/-0.085 χ^2/NDF: 1033779.7/33

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 684.655+/-0.113 χ^2/NDF:3697012.4/31

Out: 689.561+/-0.111 χ^2/NDF:4459142.8/36

All: 687.141+/-0.079 χ^2/NDF: 8157116.6/68



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: -48.349+/-344.934 χ^2/NDF:11.2/15

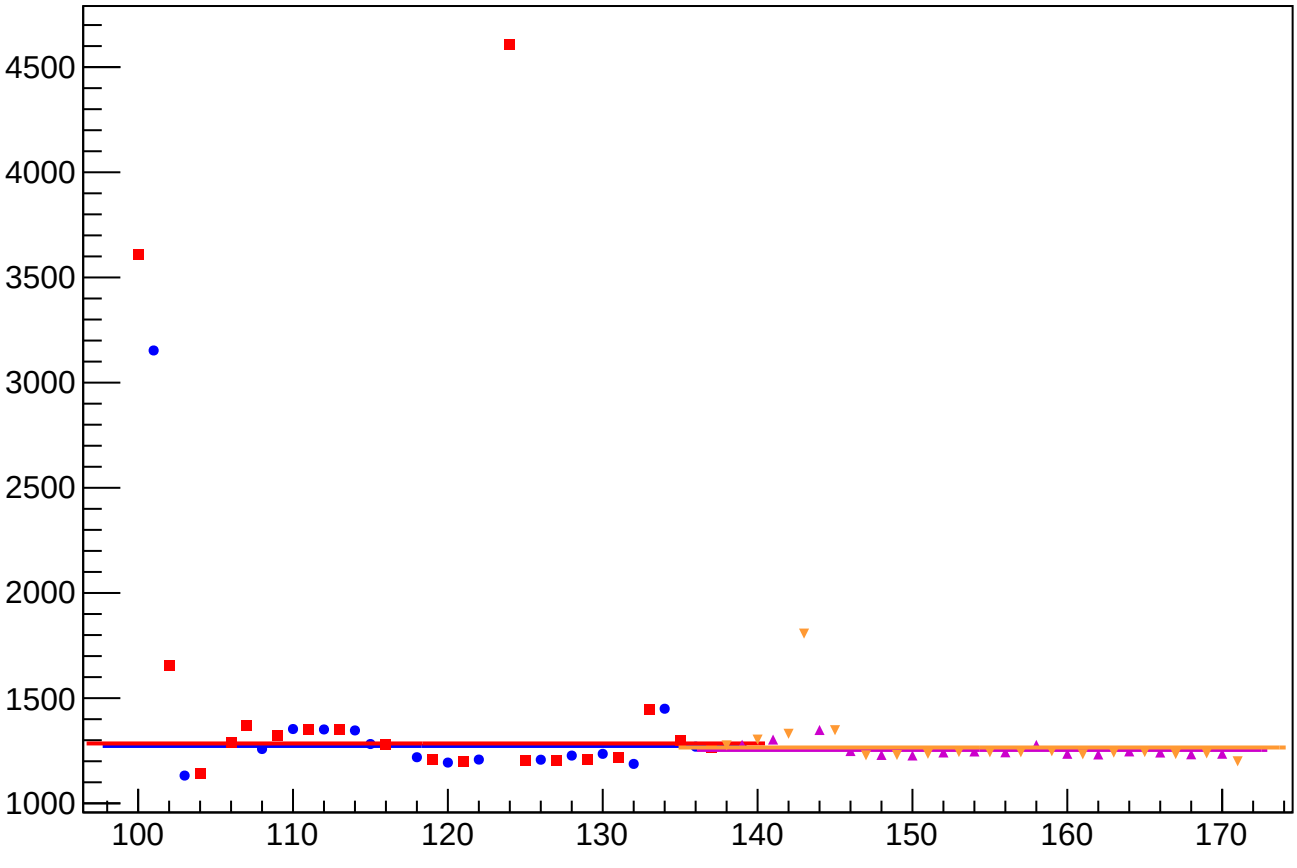
Left: -86.984+/-240.726 χ^2/NDF: 30.7/33

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -35.305+/-196.610 χ^2/NDF: 67.0/68



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: 1253.860+/-0.244 χ^2/NDF:16342.5/15

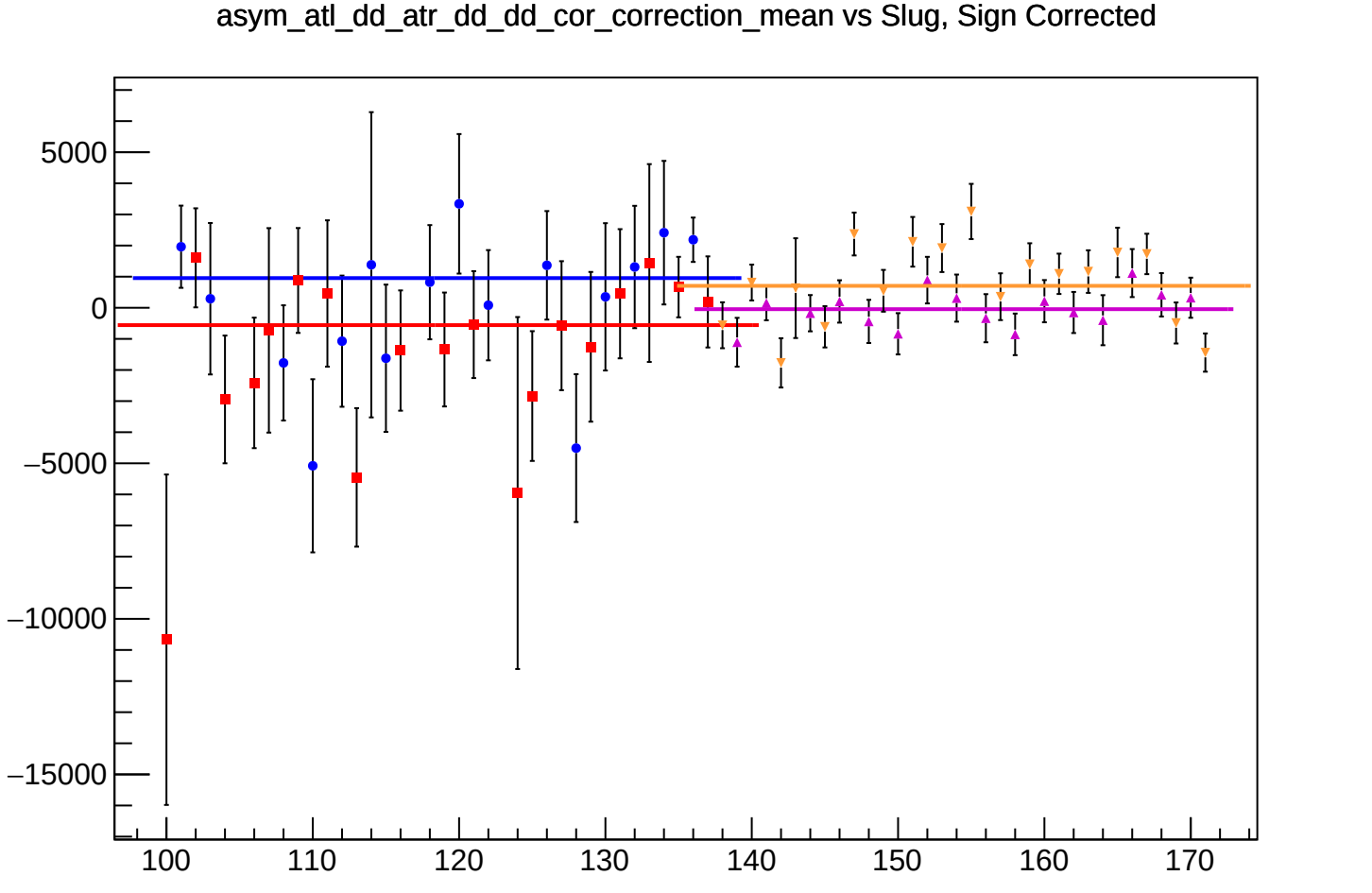
Left: 1259.782+/-0.170 χ^2/NDF: 188598.7/33

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

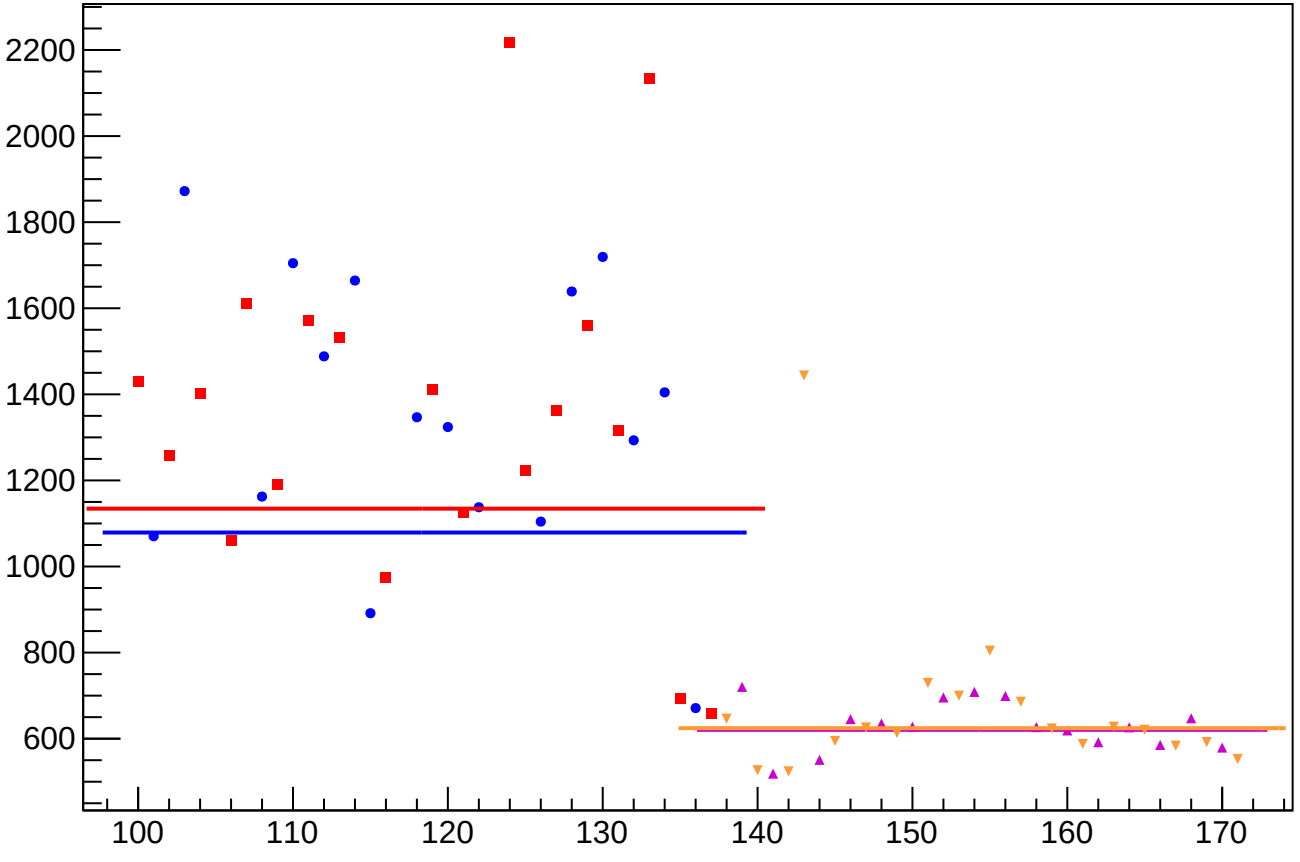
In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68


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: -45.226+/-171.718 χ²/NDF:10.7/15
Left: 337.396+/-120.182 χ²/NDF: 77.7/33
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: 94.652+/-159.248 χ²/NDF:35.3/31
Out: 544.154+/-157.196 χ²/NDF:82.9/36
All: 322.317+/-111.873 χ²/NDF: 122.2/68

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: 620.506+/-0.121 χ^2/NDF:219582.8/15

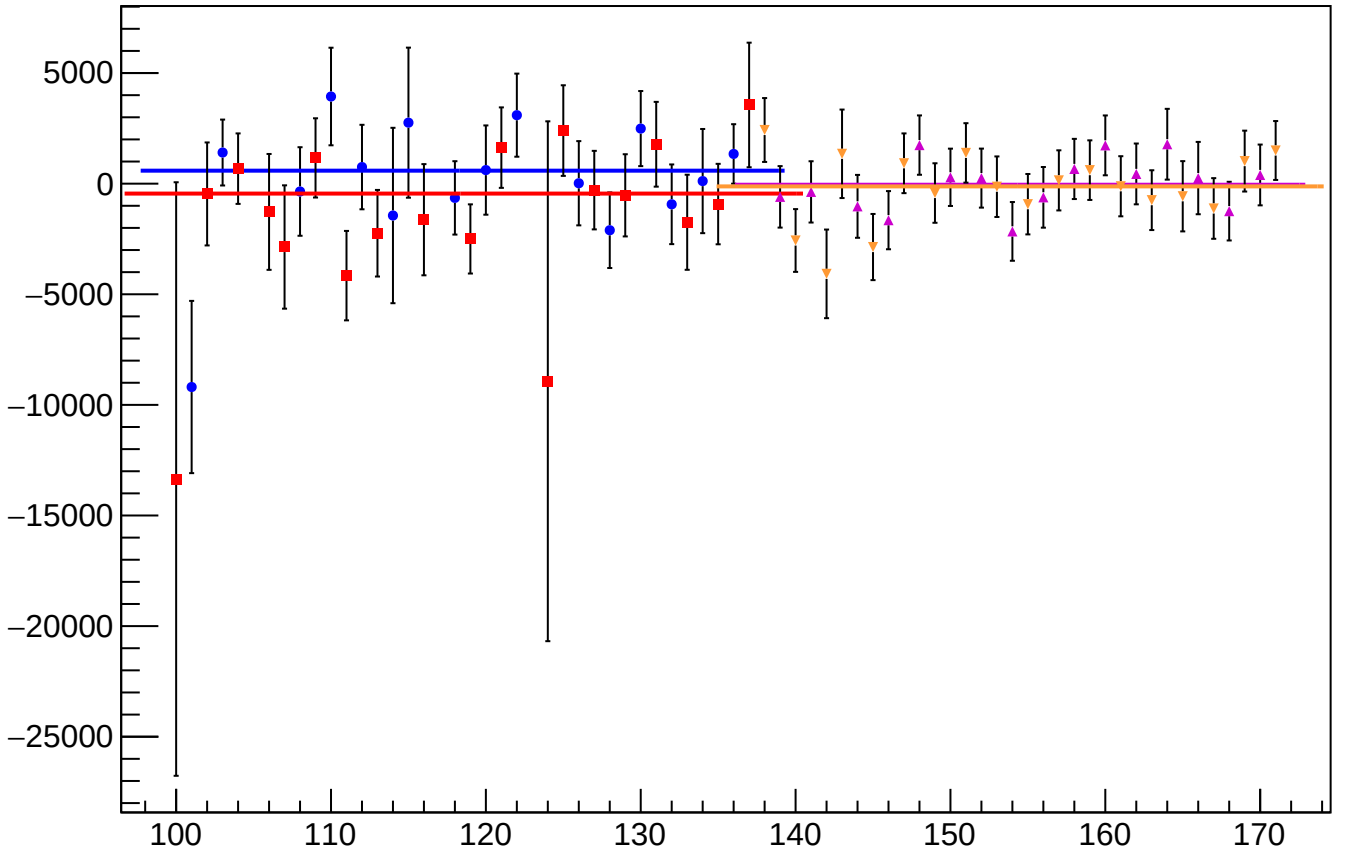
Left: 622.480+/-0.085 χ^2/NDF: 1033729.4/33

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68



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: -48.349+/-344.934 χ^2/NDF:11.2/15

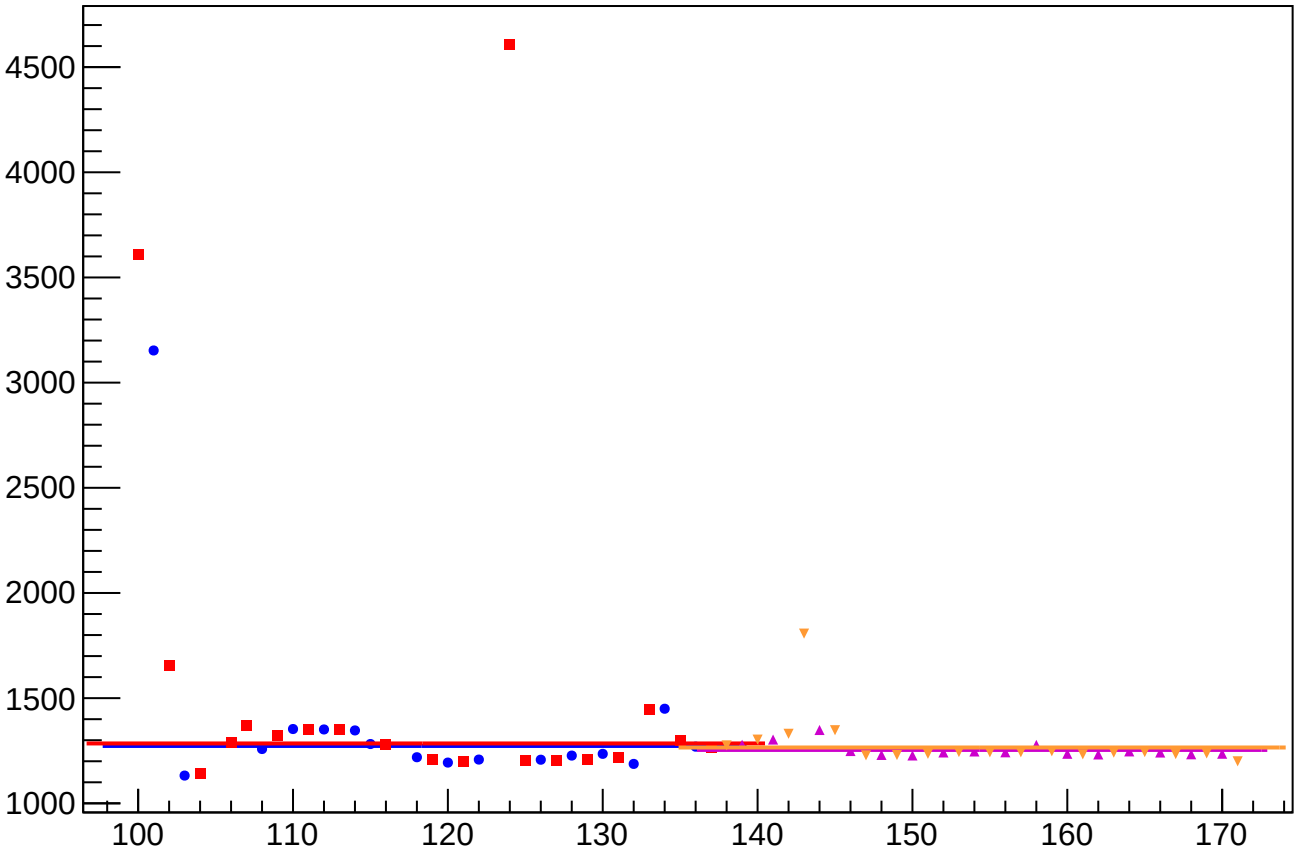
Left: -86.984+/-240.726 χ^2/NDF: 30.7/33

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -35.305+/-196.610 χ^2/NDF: 67.0/68



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: 1253.860+/-0.244 χ^2/NDF:16342.5/15

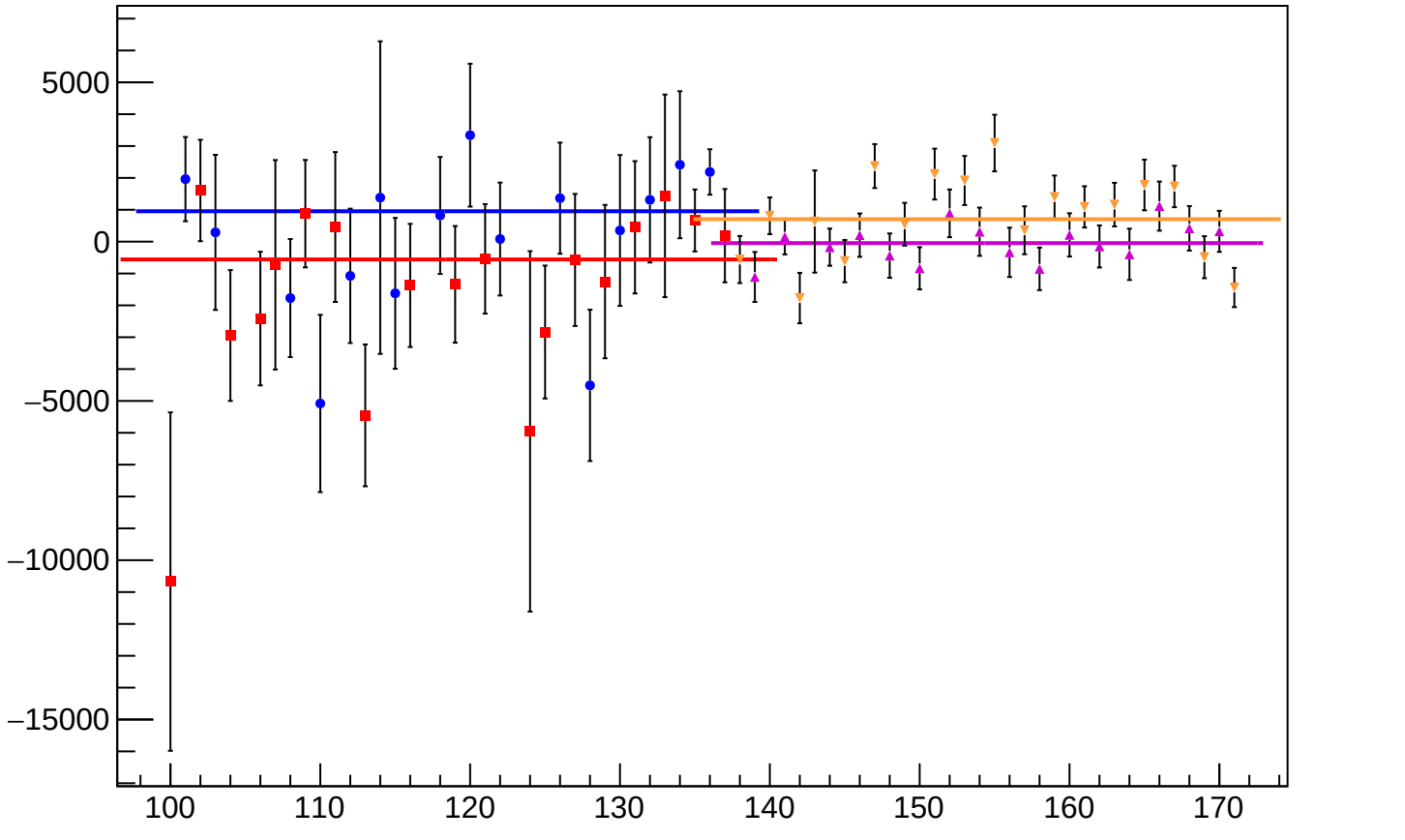
Left: 1259.782+/-0.170 χ^2/NDF: 188598.7/33

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68



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: -45.226+/-171.718 χ^2/NDF:10.7/15

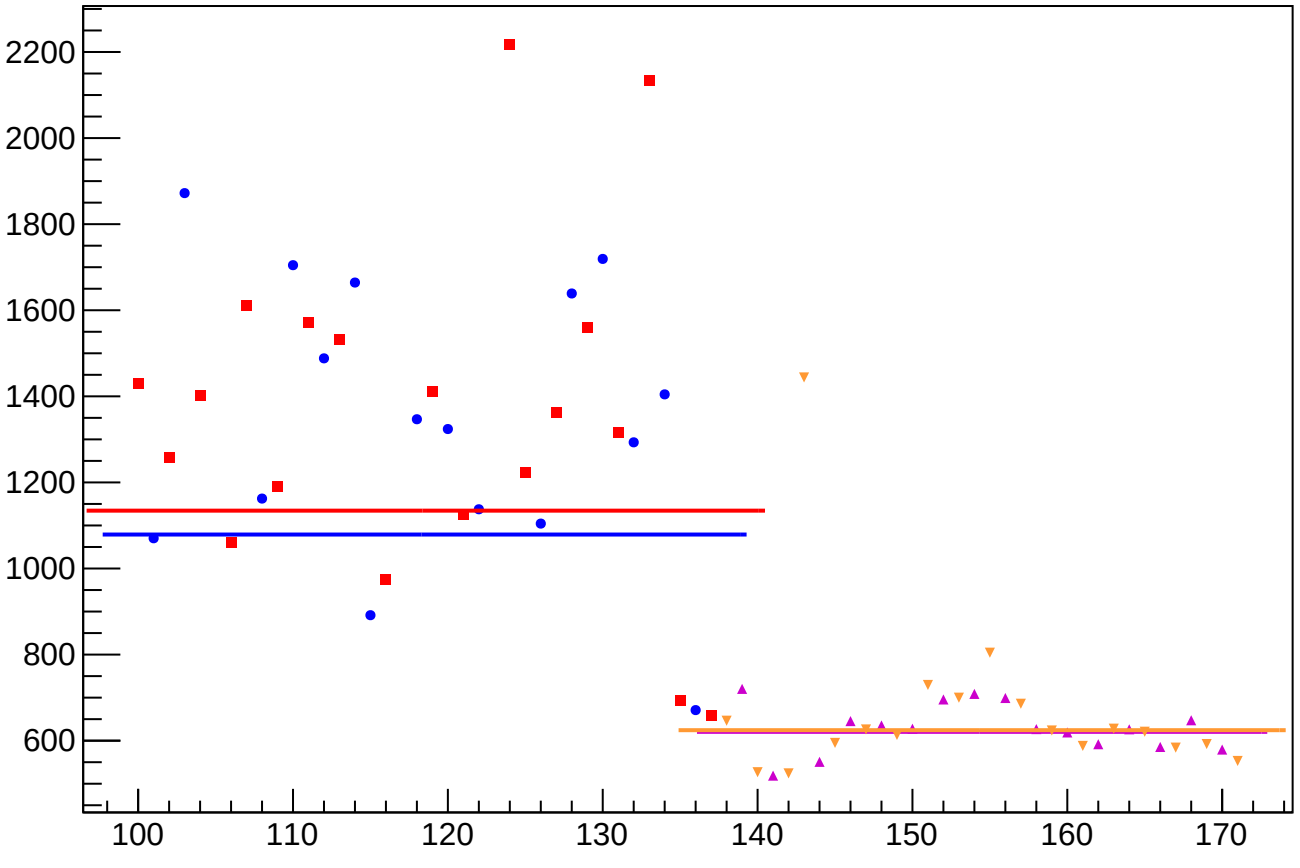
Left: 337.396+/-120.182 χ^2/NDF: 77.7/33

Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 94.652+/-159.248 χ^2/NDF:35.3/31

Out: 544.154+/-157.196 χ^2/NDF:82.9/36

All: 322.317+/-111.873 χ^2/NDF: 122.2/68



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: 620.506+/-0.121 χ^2/NDF:219582.8/15

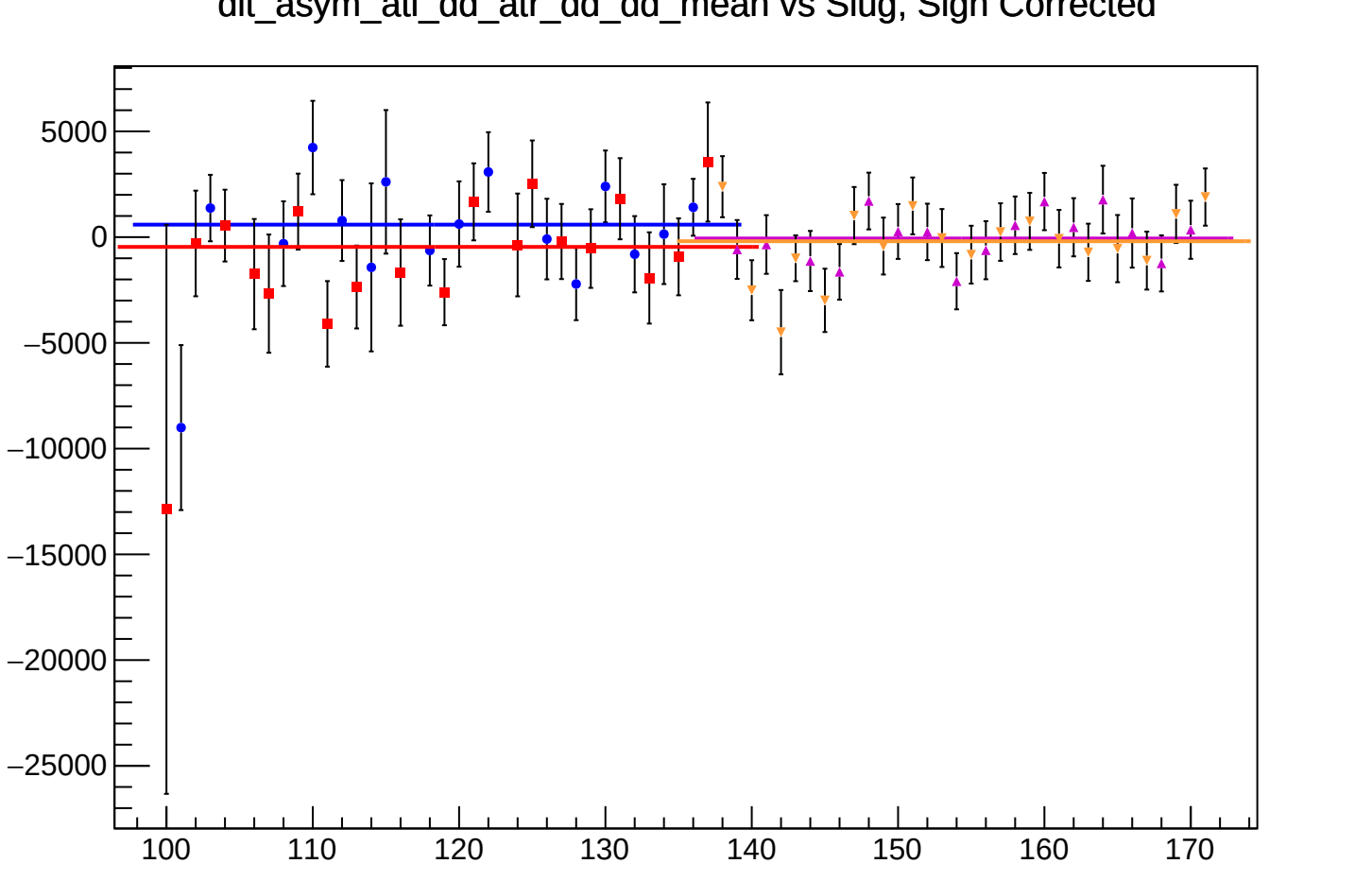
Left: 622.480+/-0.085 χ^2/NDF: 1033729.4/33

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68



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: -65.098+/-345.215 χ^2/NDF:10.8/15

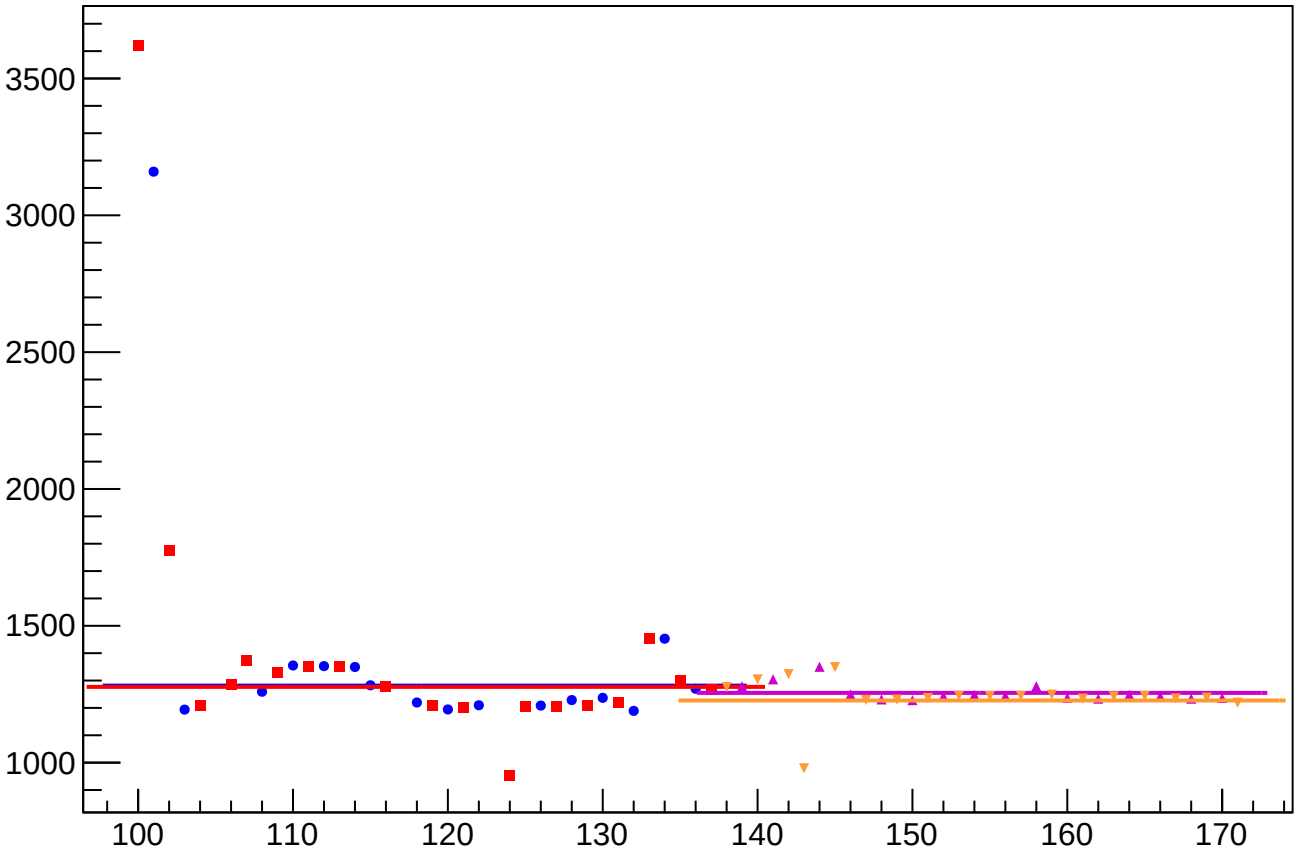
Left: -132.867+/-236.916 χ^2/NDF: 32.5/33

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 155.009+/-281.340 χ^2/NDF:29.1/31

Out: -278.929+/-268.959 χ^2/NDF:38.6/36

All: -71.717+/-194.412 χ^2/NDF: 68.9/68



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: 1254.877+/-0.244 χ^2/NDF:16485.0/15

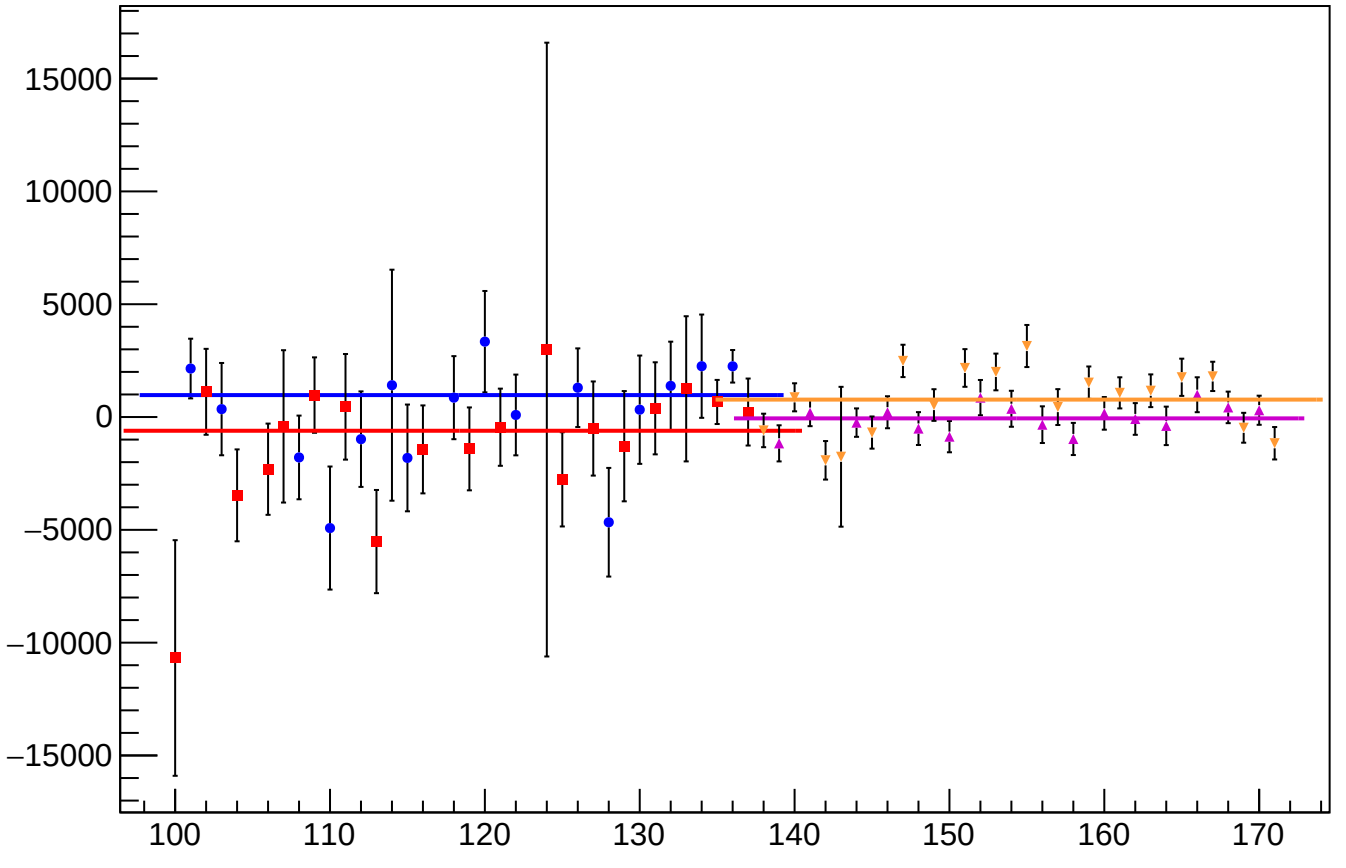
Left: 1240.191+/-0.168 χ^2/NDF: 156297.6/33

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1263.774+/-0.199 χ^2/NDF:527518.8/31

Out: 1242.945+/-0.190 χ^2/NDF:368326.7/36

All: 1252.891+/-0.137 χ^2/NDF: 901572.8/68



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: -59.943+/-179.784 χ^2/NDF:10.4/15

Left: 360.042+/-126.544 χ^2/NDF: 73.3/33

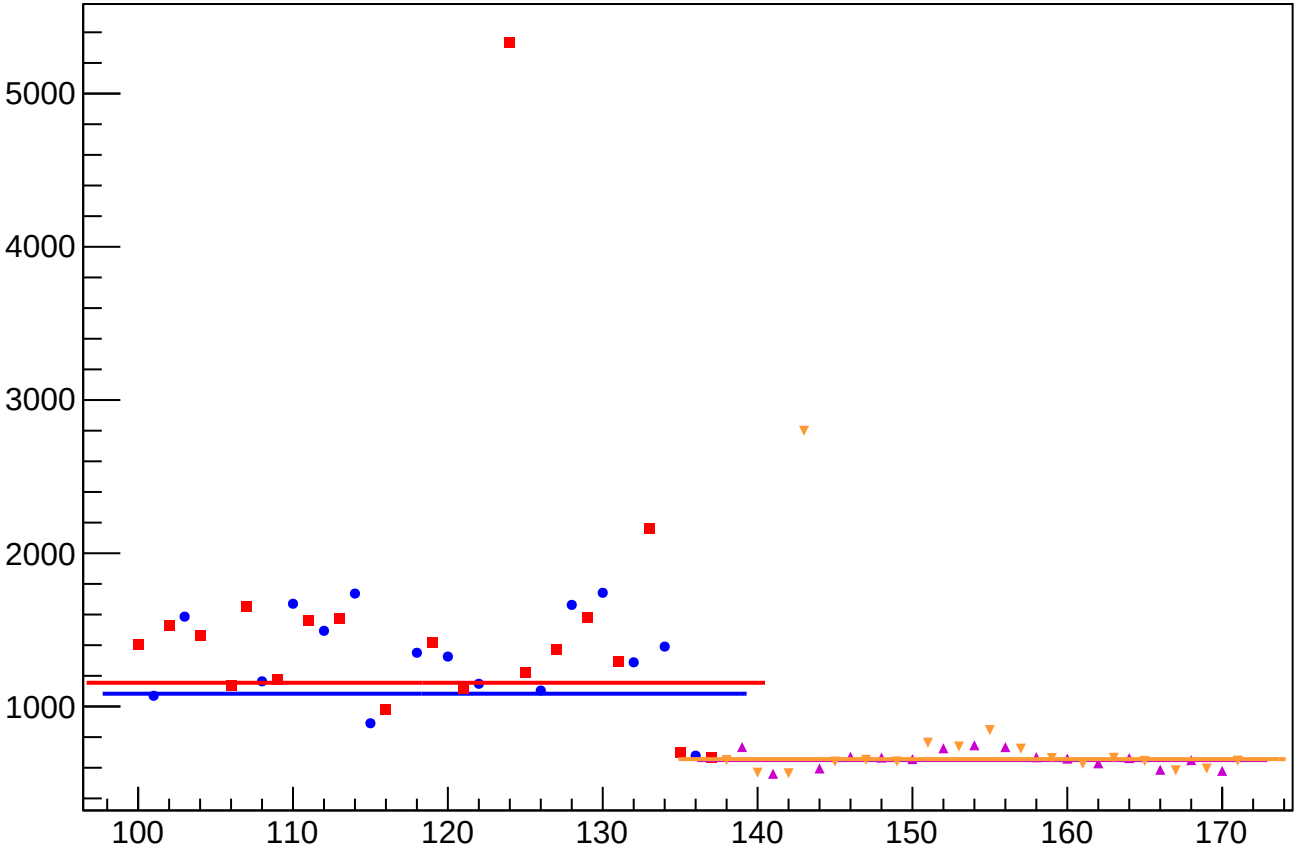
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 96.598+/-165.591 χ^2/NDF:35.8/31

Out: 583.686+/-165.525 χ^2/NDF:77.5/36

All: 340.239+/-117.067 χ^2/NDF: 117.6/68

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: 650.105+/-0.127 χ^2/NDF:196459.3/15

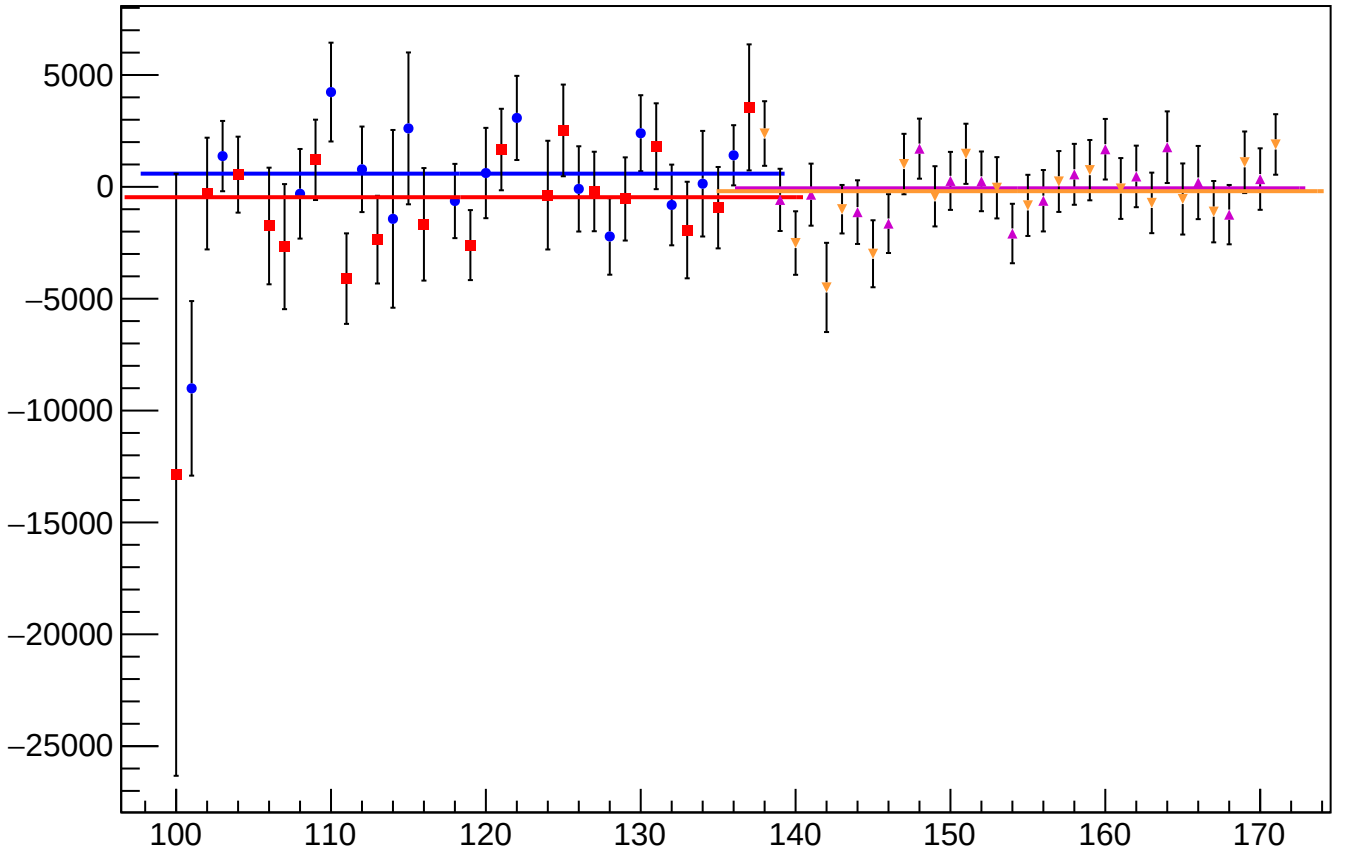
Left: 653.308+/-0.089 χ^2/NDF: 1418245.4/33

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 715.805+/-0.117 χ^2/NDF:3317839.5/31

Out: 724.554+/-0.117 χ^2/NDF:4847272.9/36

All: 720.181+/-0.083 χ^2/NDF: 8167904.6/68



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: -65.097+/-345.215 χ^2/NDF:10.8/15

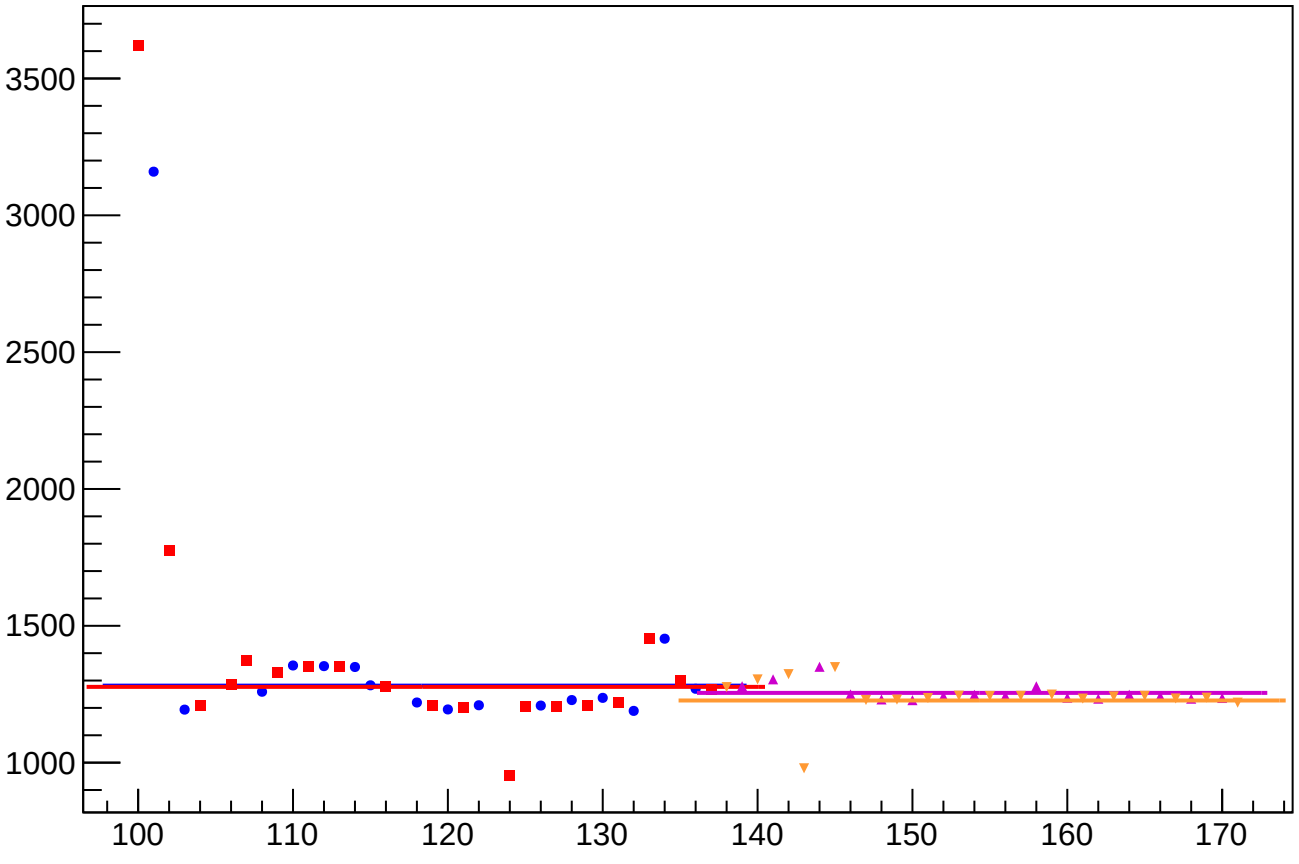
Left: -132.868+/-236.916 χ^2/NDF: 32.5/33

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 155.010+/-281.340 χ^2/NDF:29.1/31

Out: -278.930+/-268.959 χ^2/NDF:38.6/36

All: -71.717+/-194.412 χ^2/NDF: 68.9/68



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: 1254.877+/-0.244 χ^2/NDF:16485.0/15

Left: 1240.191+/-0.168 χ^2/NDF: 156296.9/33

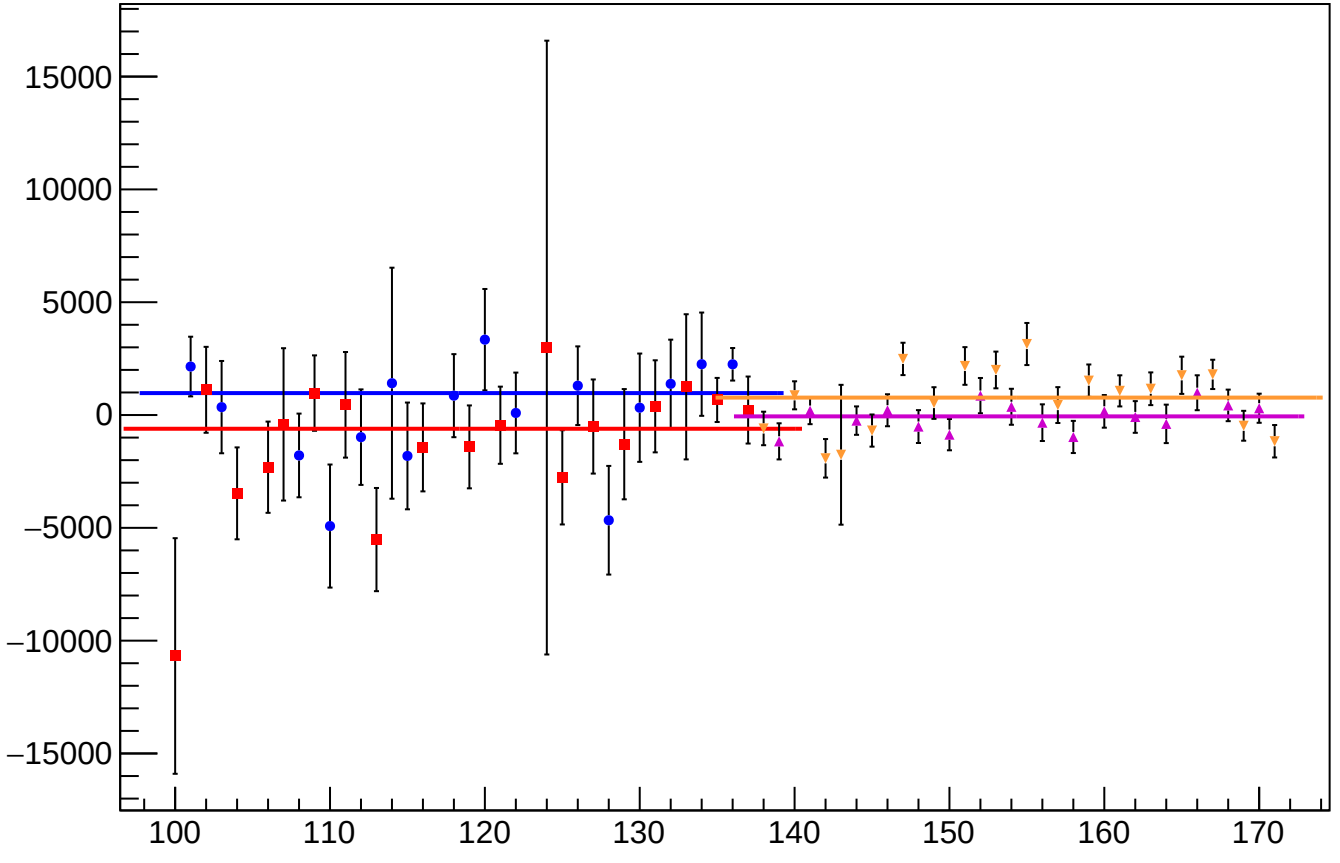
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1263.774+/-0.199 χ^2/NDF:527519.0/31

Out: 1242.945+/-0.190 χ^2/NDF:368325.7/36

All: 1252.891+/-0.137 χ^2/NDF: 901572.0/68

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 772.413+/-178.147 χ^2/NDF:52.1/17

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -59.941+/-179.784 χ^2/NDF:10.4/15

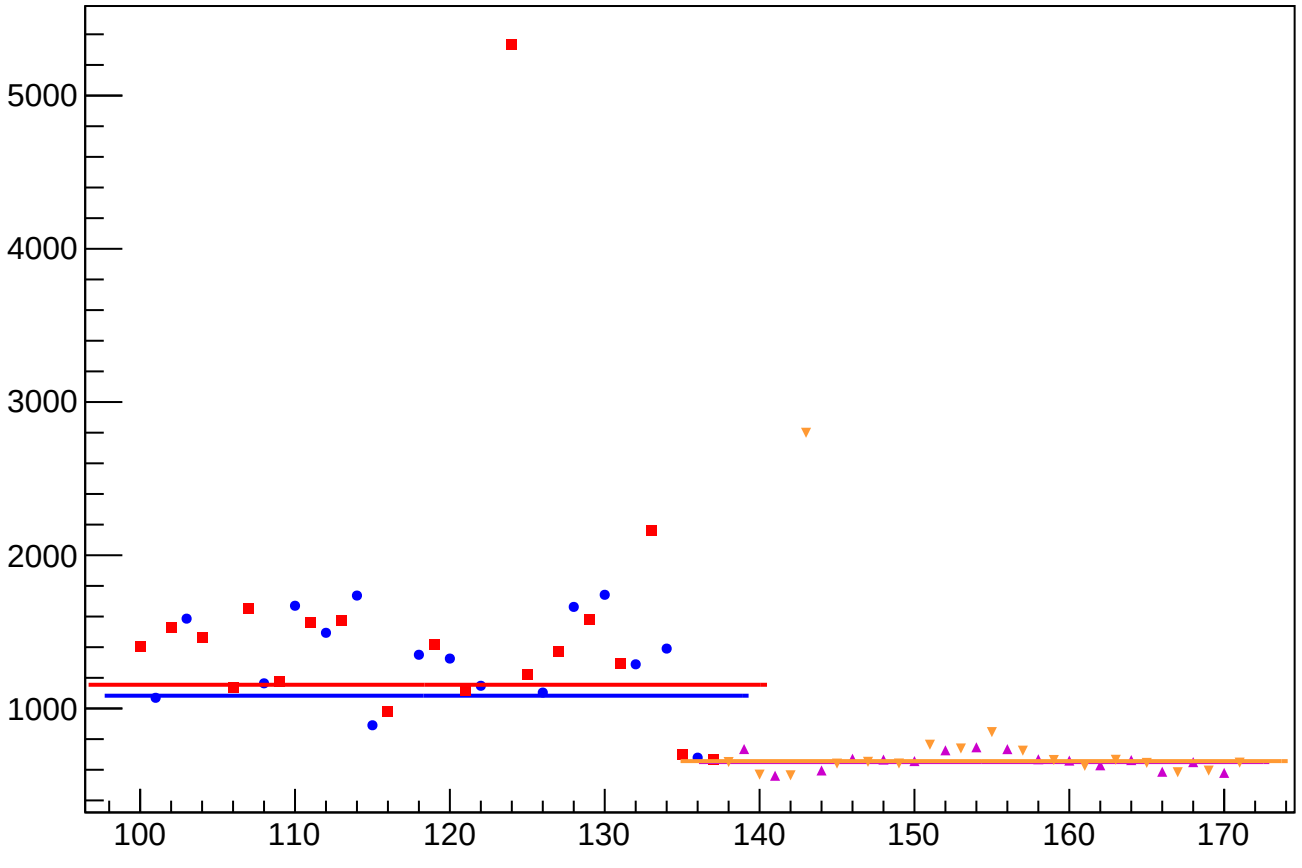
Left: 360.043+/-126.543 χ^2/NDF: 73.3/33

Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 96.597+/-165.591 χ^2/NDF:35.8/31

Out: 583.686+/-165.525 χ^2/NDF:77.5/36

All: 340.238+/-117.067 χ^2/NDF: 117.6/68



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: 650.104+/-0.127 χ^2/NDF:196462.8/15

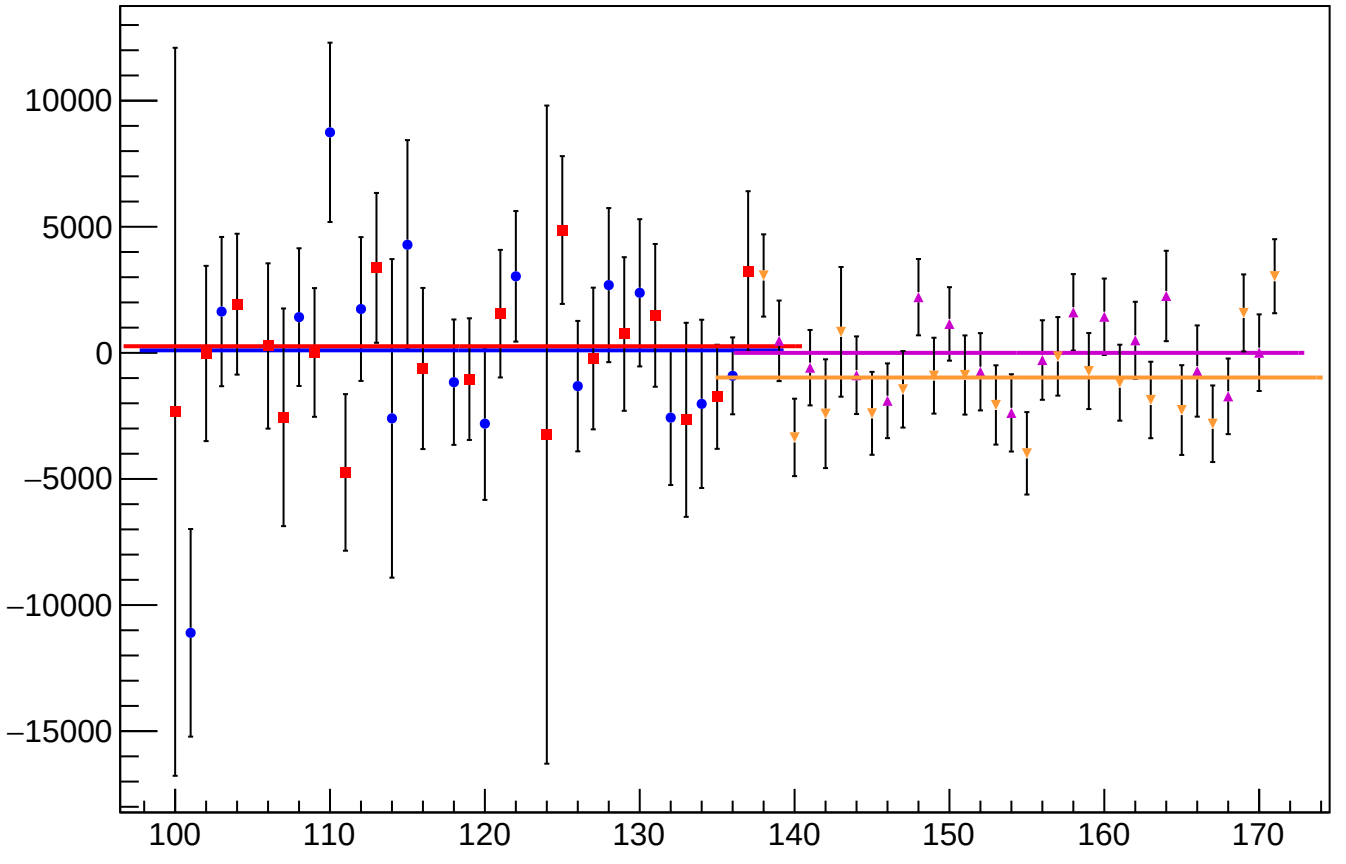
Left: 653.307+/-0.089 χ^2/NDF: 1418245.0/33

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 715.805+/-0.117 χ^2/NDF:3317831.3/31

Out: 724.554+/-0.117 χ^2/NDF:4847261.8/36

All: 720.182+/-0.083 χ^2/NDF: 8167885.7/68



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: 0.002+/-387.127 χ^2/NDF:12.8/15

Left: -499.564+/-270.764 χ^2/NDF: 43.3/33

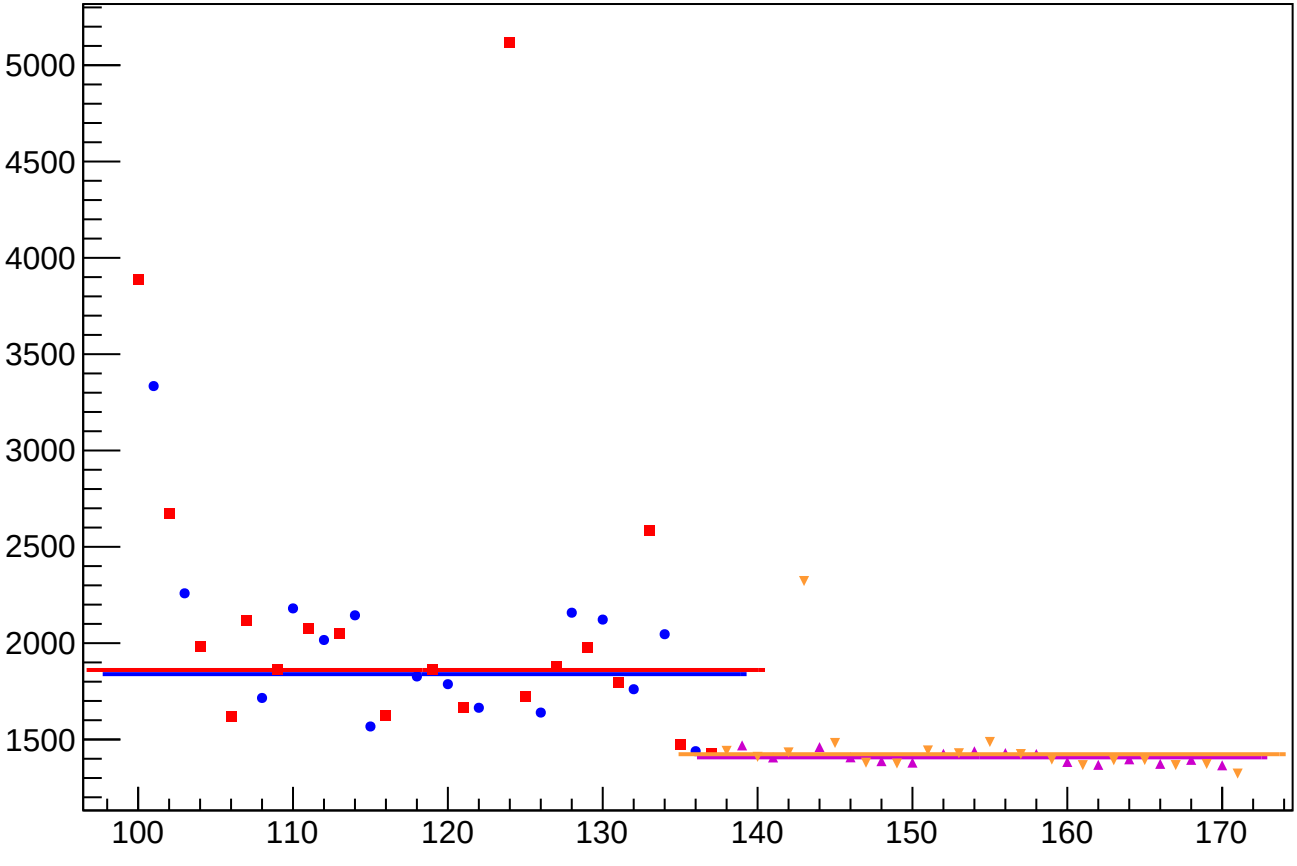
Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 23.581+/-338.656 χ^2/NDF:34.1/31

Out: -696.730+/-333.149 χ^2/NDF:39.9/36

All: -342.478+/-237.495 χ^2/NDF: 76.4/68

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: 1407.223+/-0.274 χ^2/NDF:12431.6/15

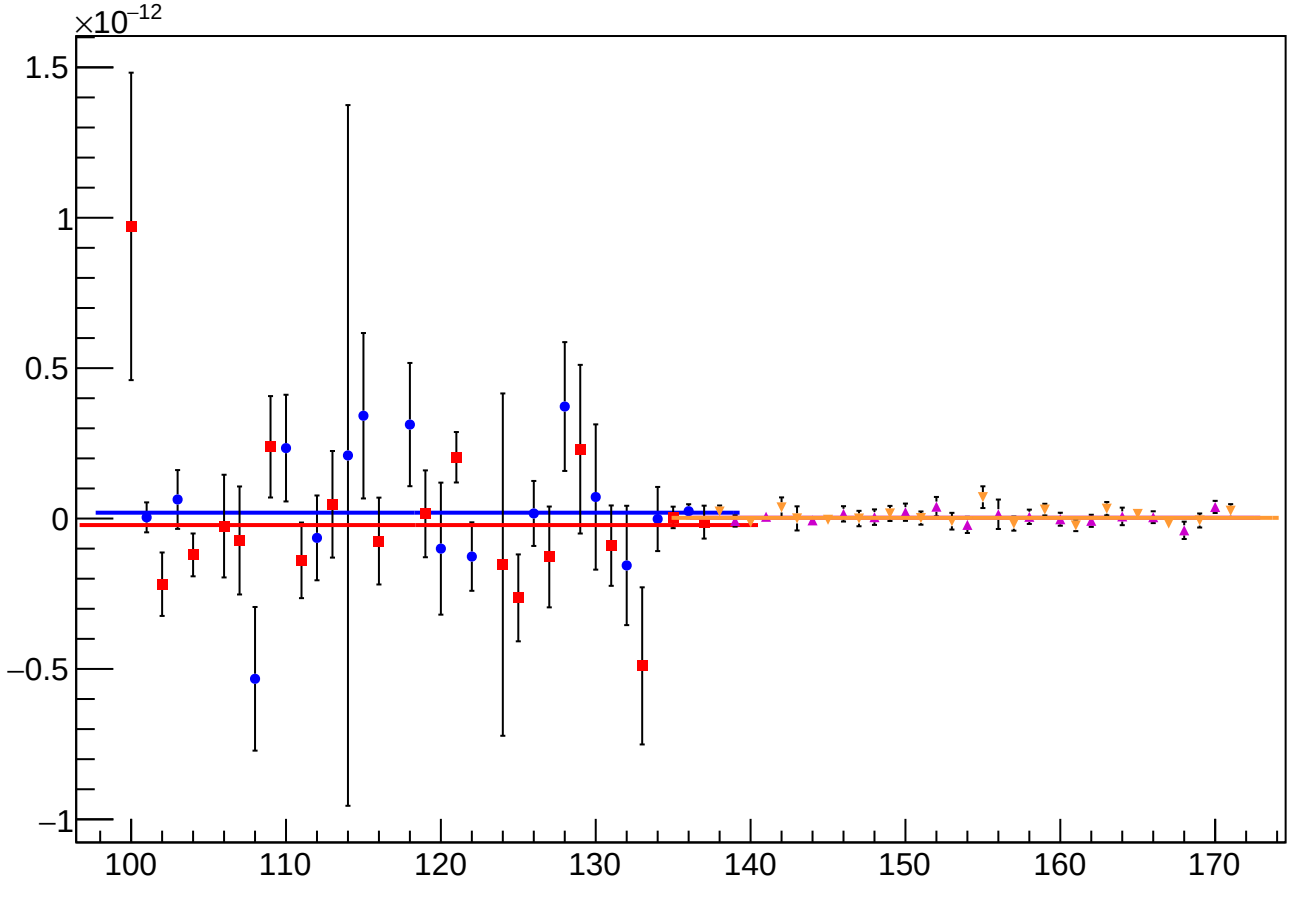
Left: 1415.557+/-0.191 χ^2/NDF: 287881.7/33

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1508.605+/-0.239 χ^2/NDF:1153481.4/31

Out: 1522.650+/-0.236 χ^2/NDF:1399605.4/36

All: 1515.742+/-0.168 χ^2/NDF: 2554835.0/68



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:9.2/15

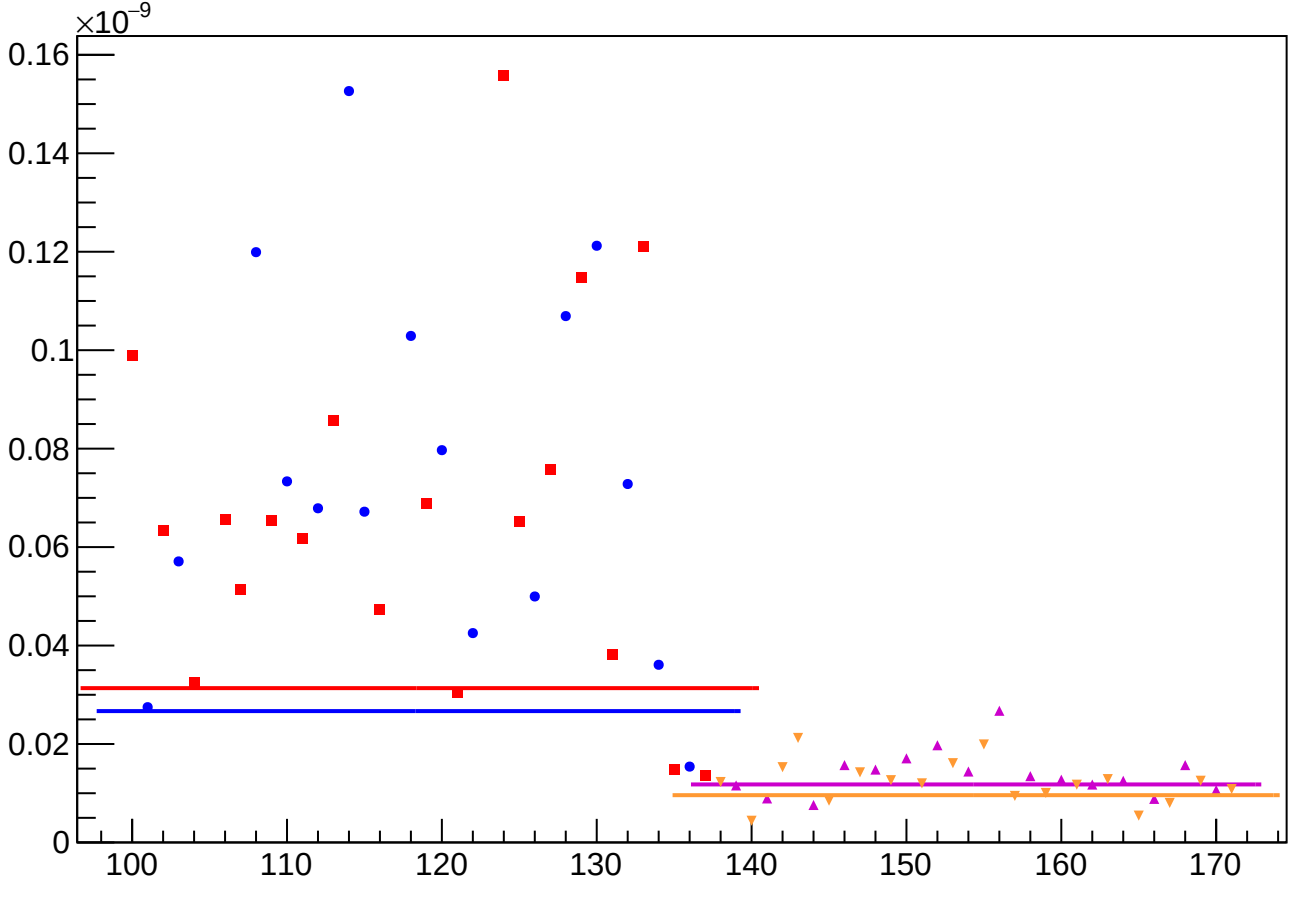
Left: 0.000+/-0.000 χ^2/NDF: 27.6/33

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.4/31

Out: 0.000+/-0.000 χ^2/NDF:47.7/36

All: 0.000+/-0.000 χ^2/NDF: 74.3/68



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:831726.6/15

Left: 0.000+/-0.000 χ^2/NDF: 2412300.1/33

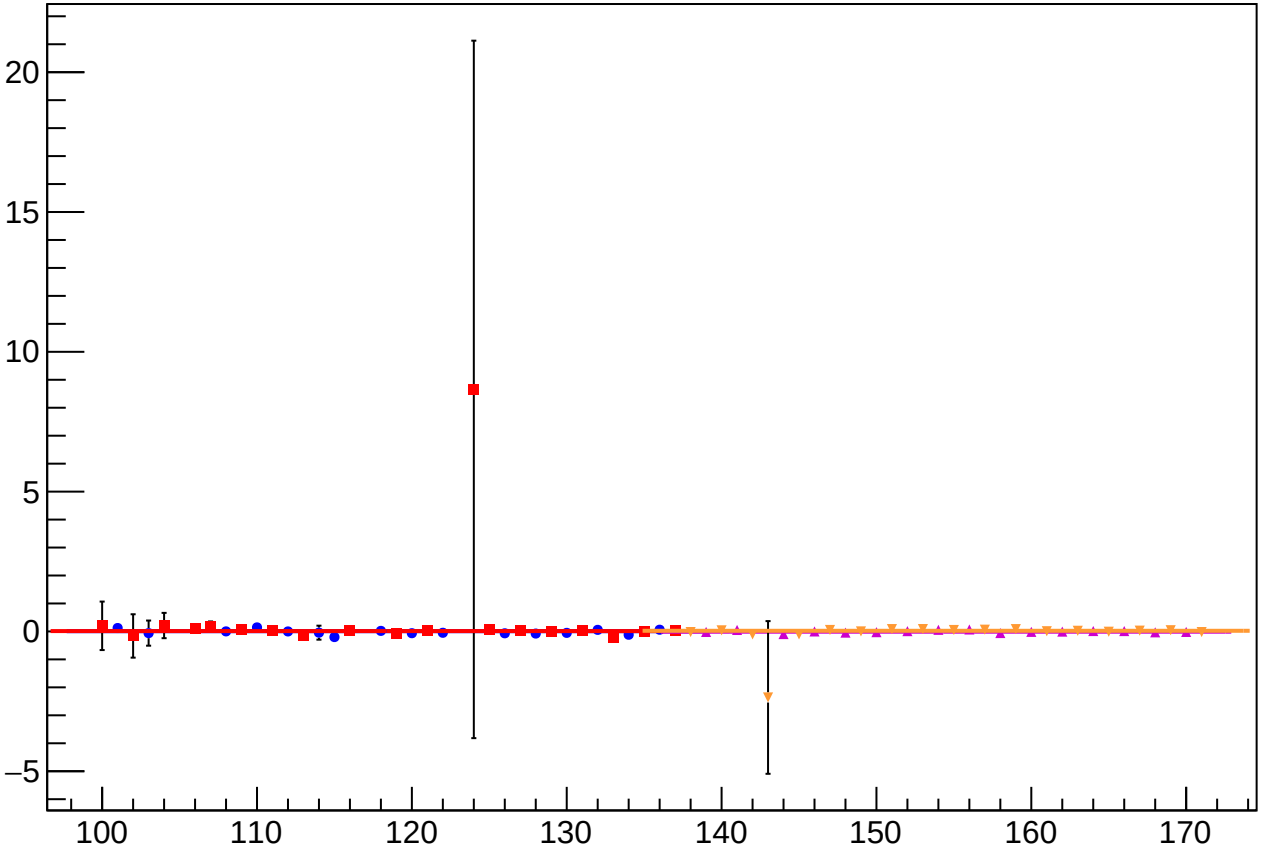
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4568775.0/31

Out: 0.000+/-0.000 χ^2/NDF:5495263.5/36

All: 0.000+/-0.000 χ^2/NDF: 10309657.7/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

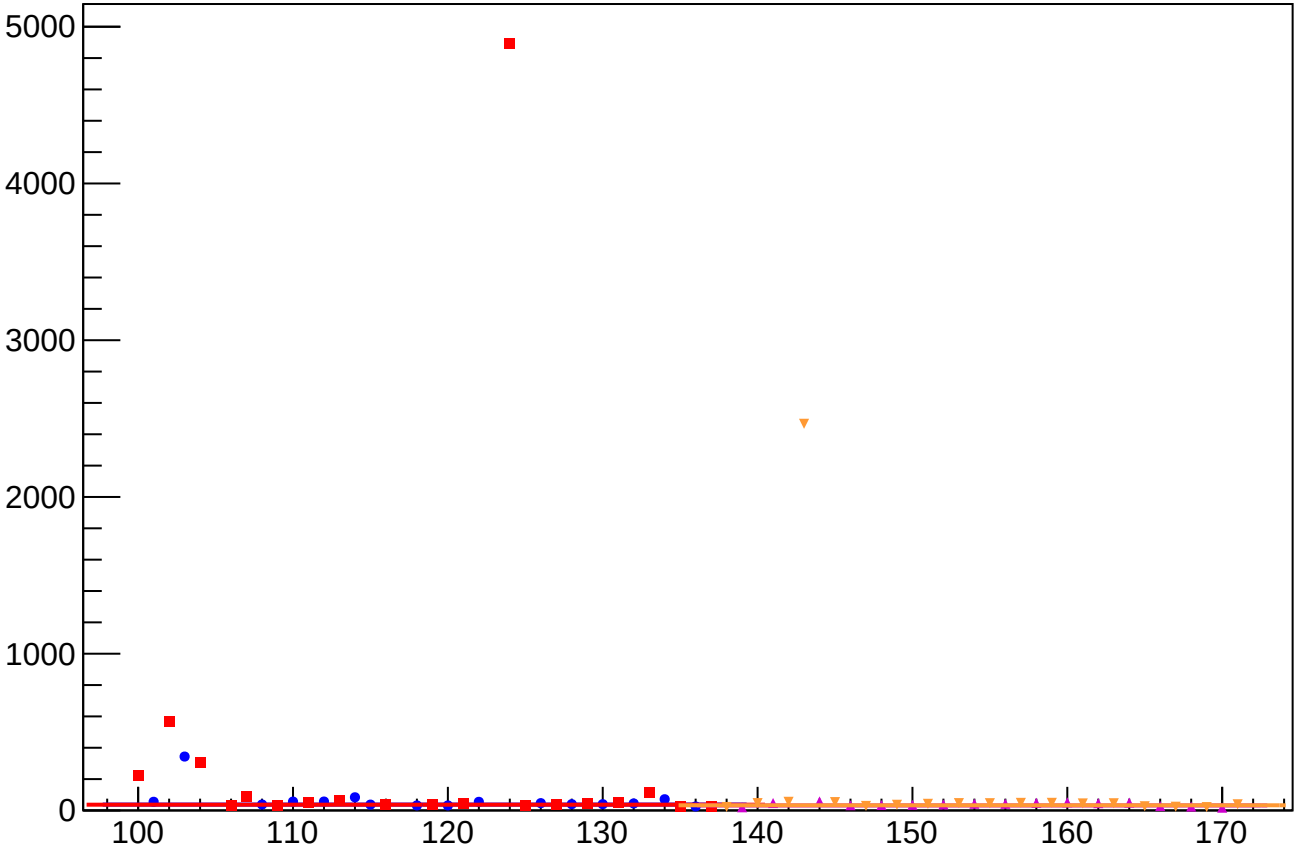
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 32.975+/-0.007 χ^2/NDF:3975971.6/17

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 31.888+/-0.007 χ^2/NDF:2712775.8/15

Left: 32.417+/-0.005 χ^2/NDF: 6700300.8/33

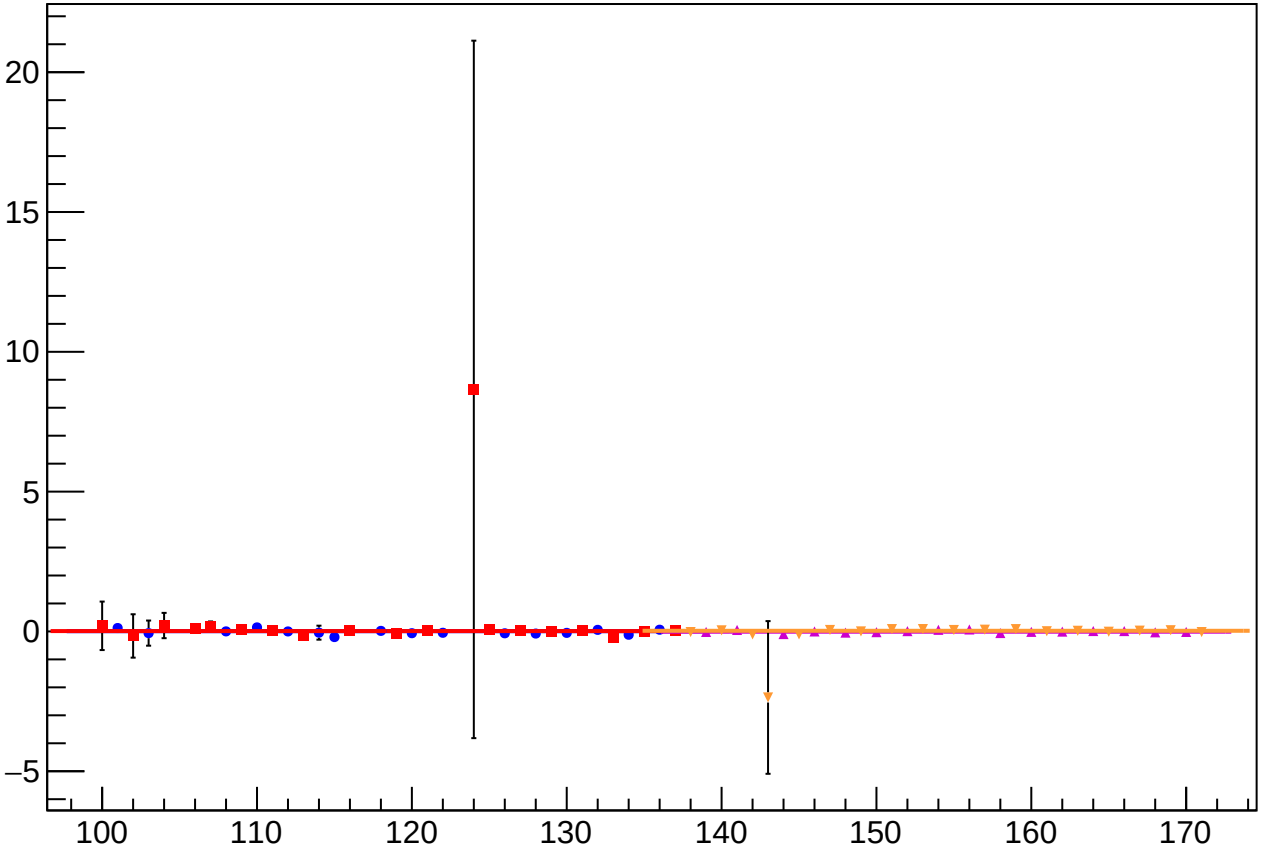
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

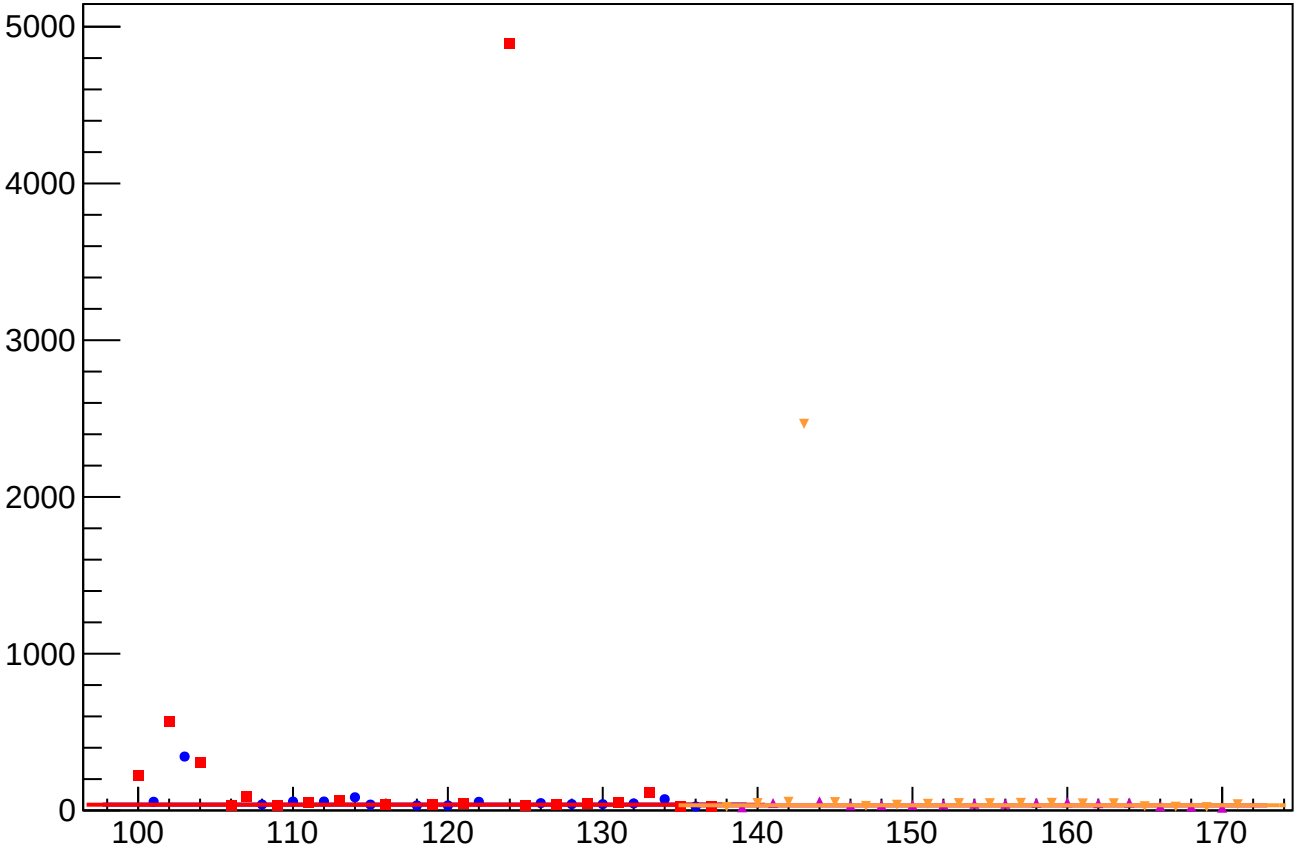
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

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: 31.888+/-0.007 χ^2/NDF:2712775.8/15

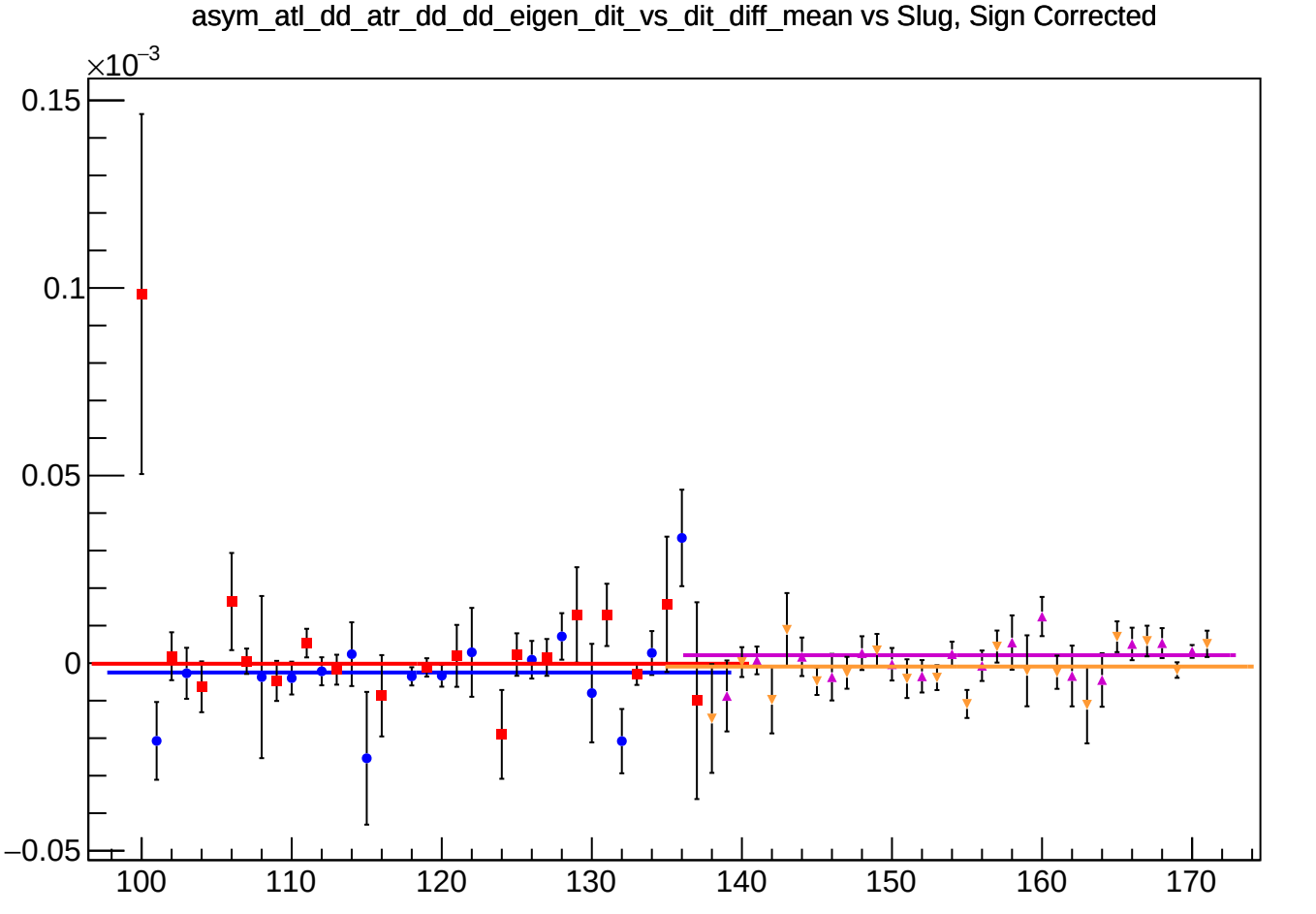
Left: 32.417+/-0.005 χ^2/NDF: 6700300.8/33

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68



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:11.8/15

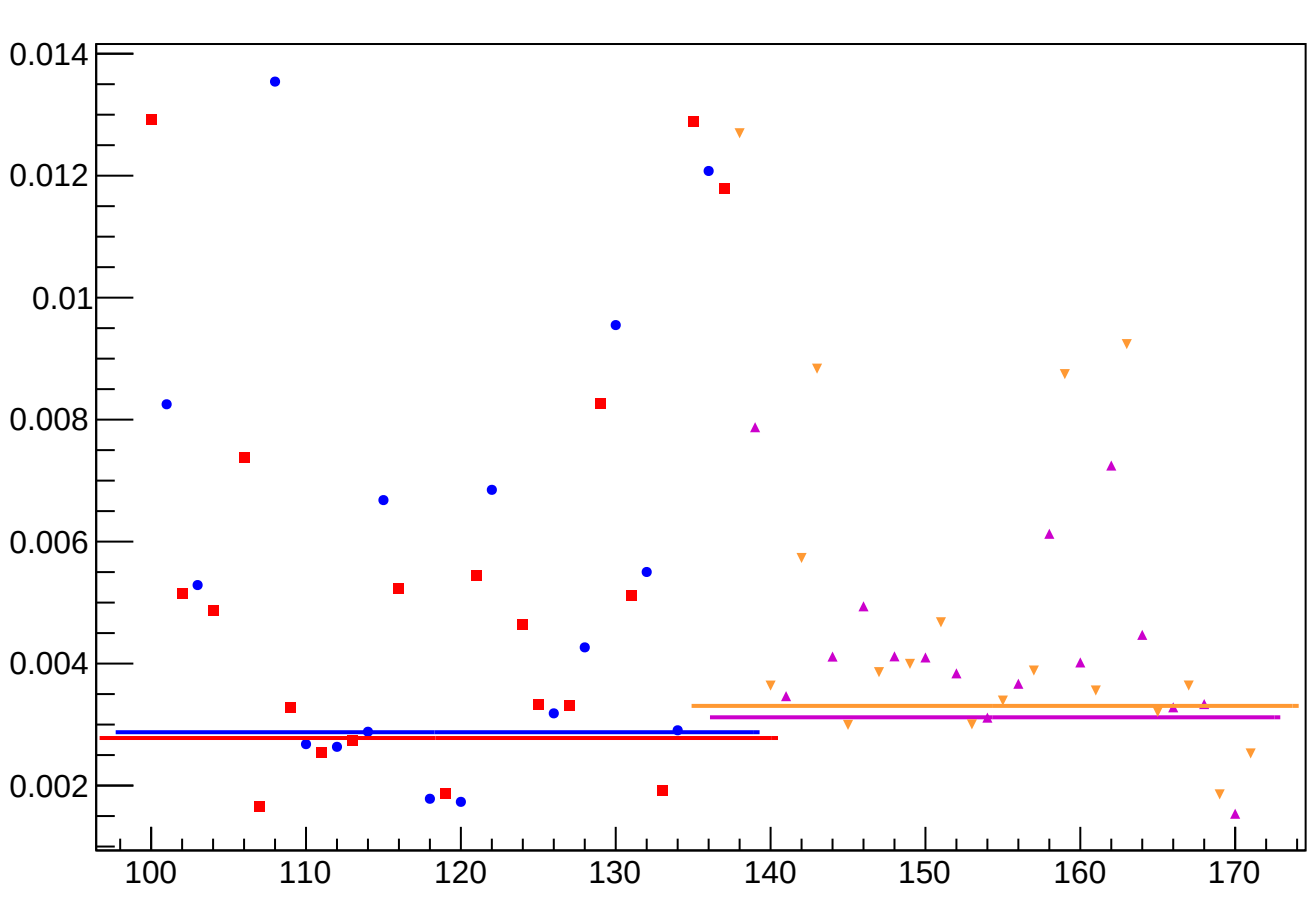
Left: 0.000+/-0.000 χ^2/NDF: 42.4/33

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:41.5/31

Out: -0.000+/-0.000 χ^2/NDF:45.0/36

All: -0.000+/-0.000 χ^2/NDF: 87.4/68



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:3774445.4/15

Left: 0.003+/-0.000 χ^2/NDF: 8168897.4/33

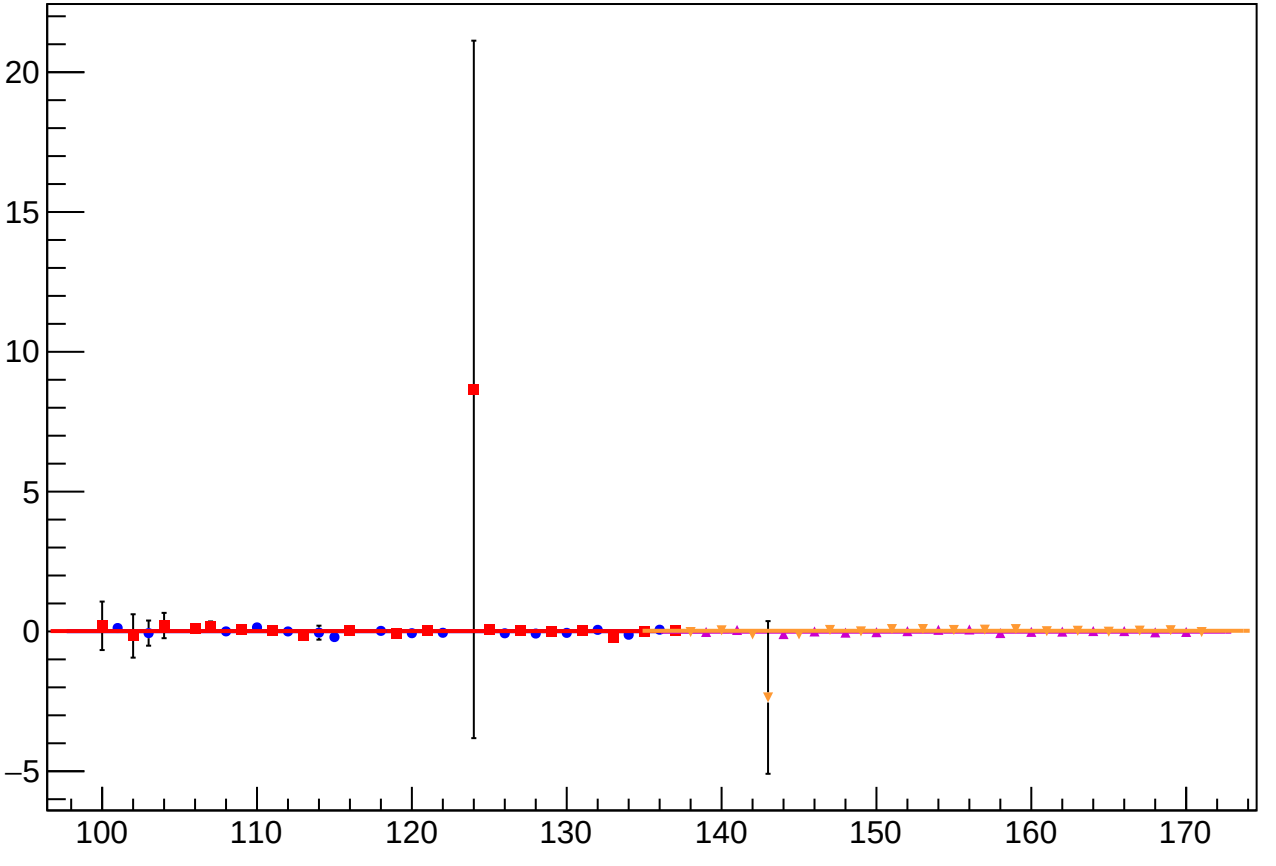
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:7970819.0/31

Out: 0.003+/-0.000 χ^2/NDF:7906710.8/36

All: 0.003+/-0.000 χ^2/NDF: 15883549.2/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

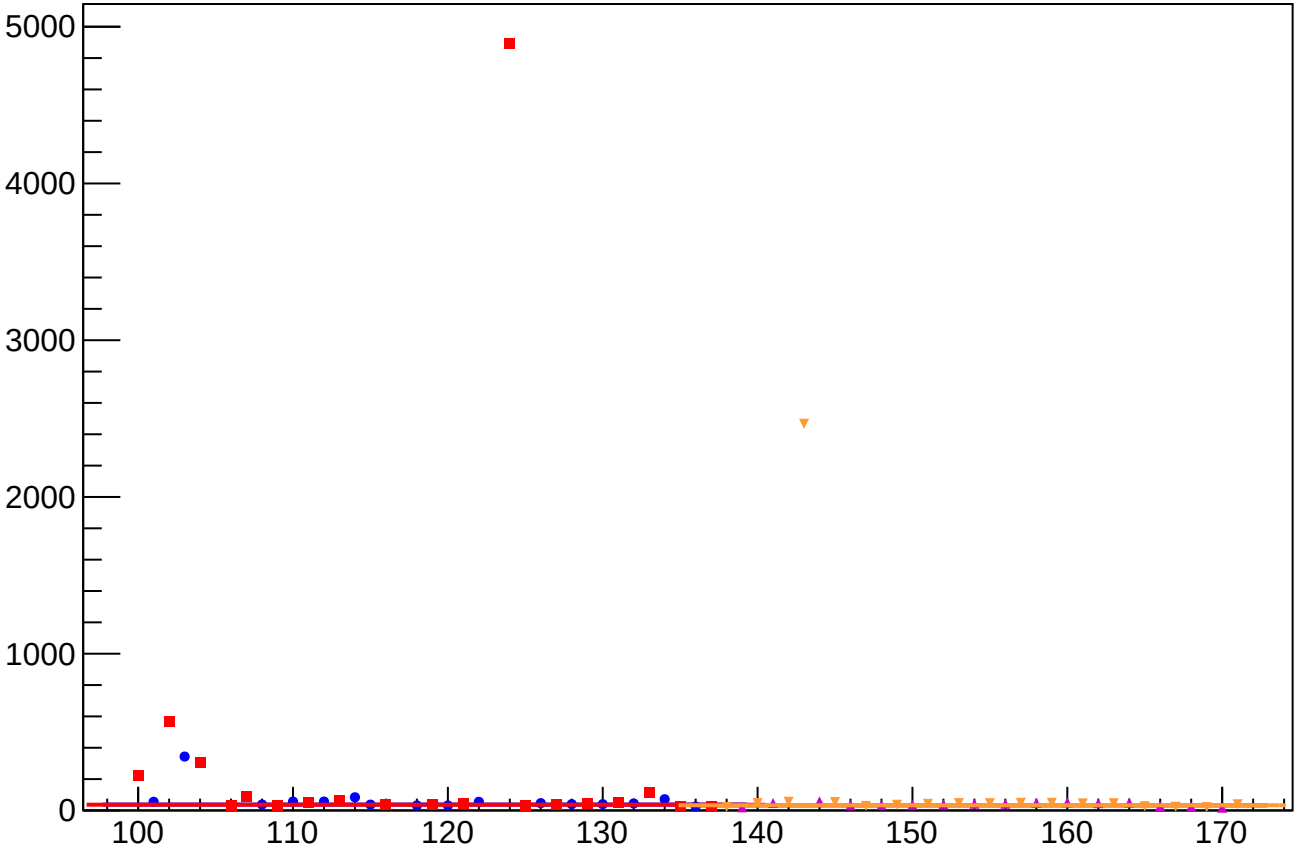
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

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: 31.890+/-0.007 χ^2/NDF:2711665.5/15

Left: 32.418+/-0.005 χ^2/NDF: 6699184.1/33

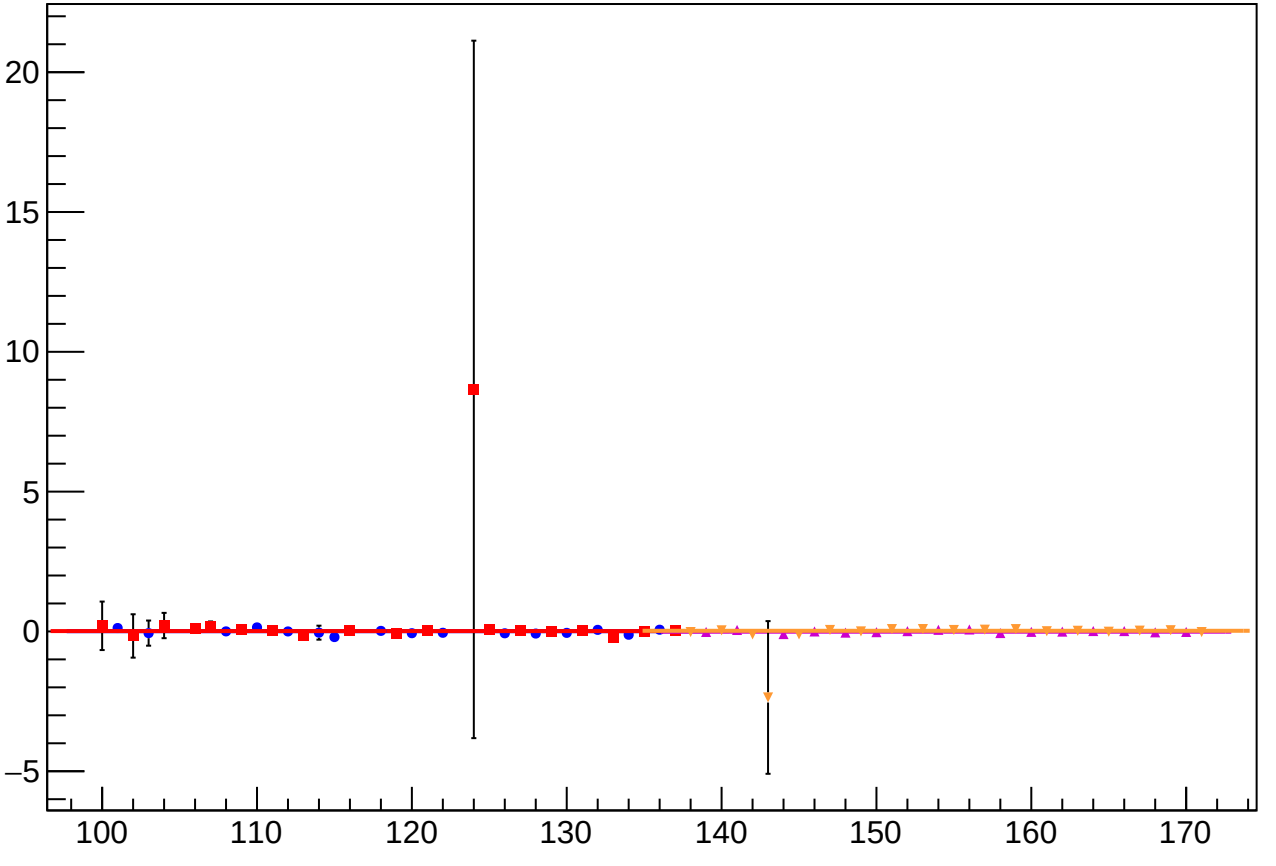
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

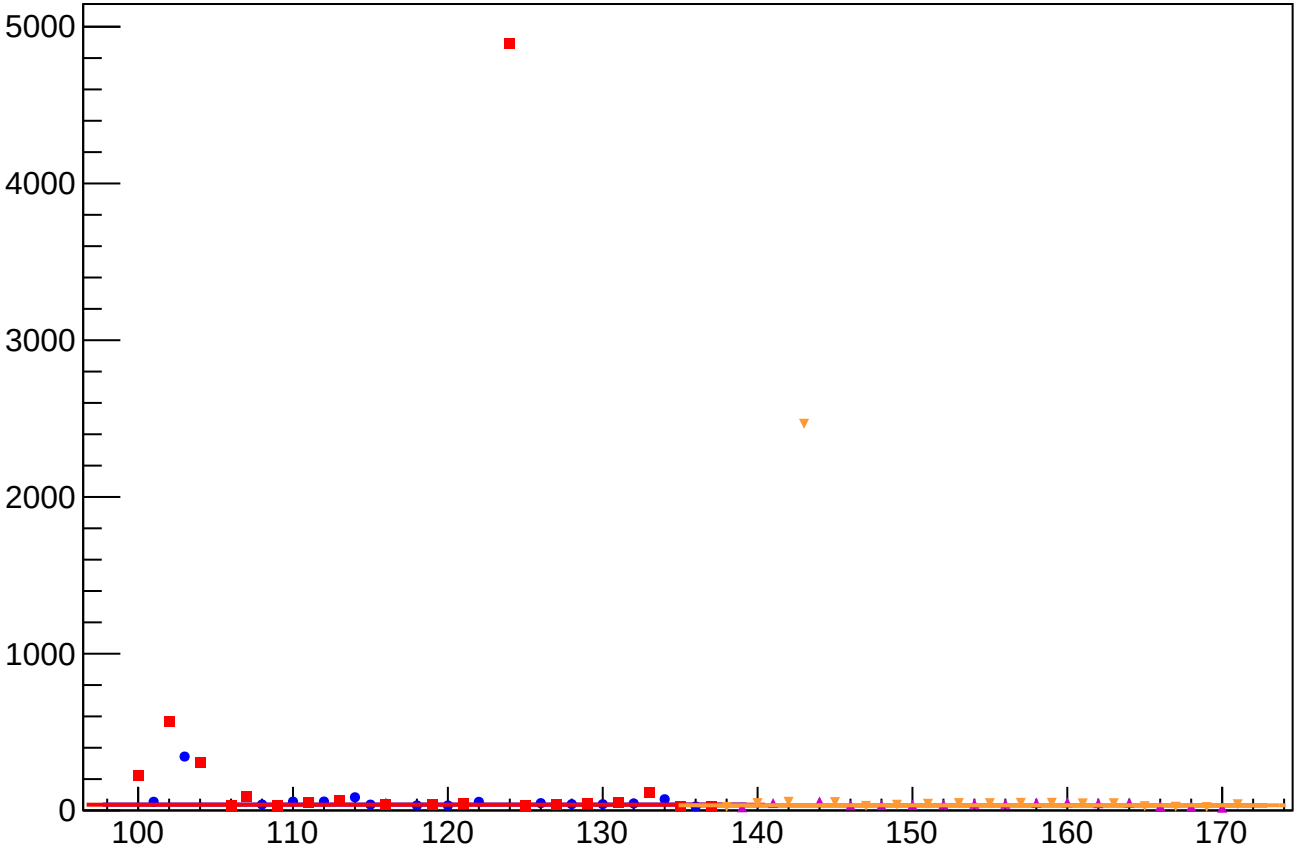
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

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: 31.890+/-0.007 χ^2/NDF:2711665.5/15

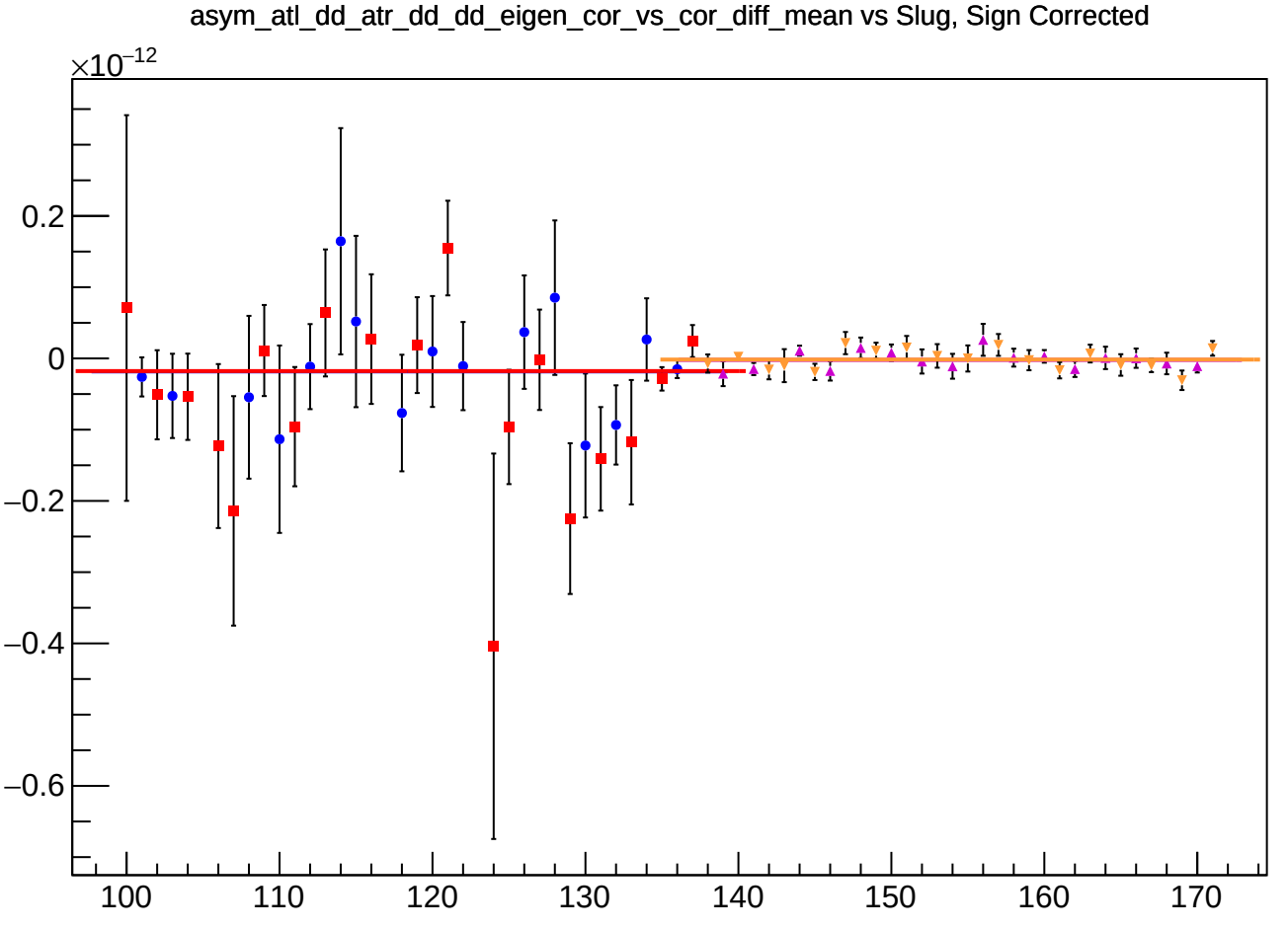
Left: 32.418+/-0.005 χ^2/NDF: 6699184.1/33

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68



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:14.8/15

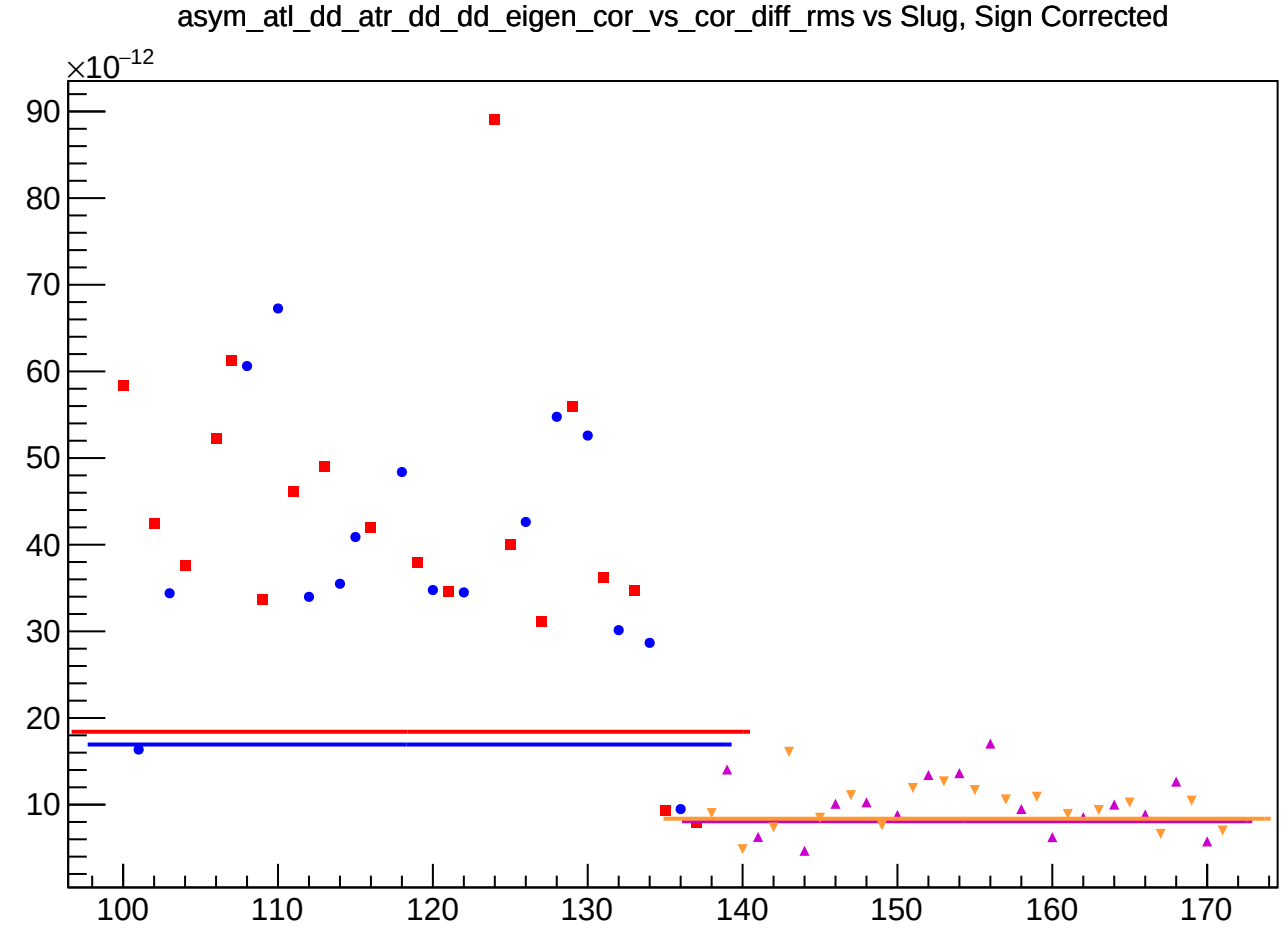
Left: -0.000+/-0.000 χ^2/NDF: 35.3/33

Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: -0.000+/-0.000 χ^2/NDF:49.7/36

All: -0.000+/-0.000 χ^2/NDF: 75.3/68



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:2073753.8/15

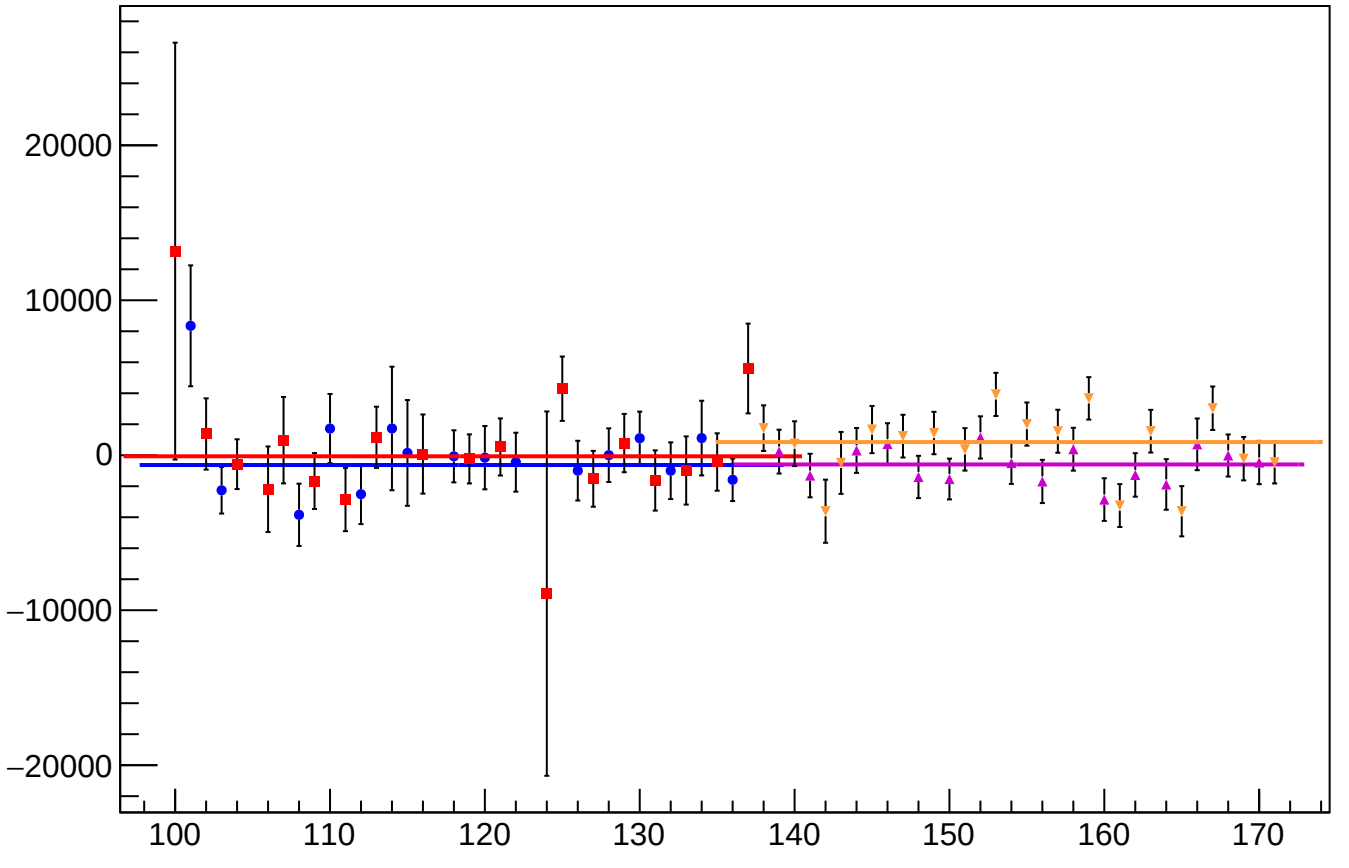
Left: 0.000+/-0.000 χ^2/NDF: 3534871.5/33

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6747486.3/31

Out: 0.000+/-0.000 χ^2/NDF:6668448.7/36

All: 0.000+/-0.000 χ^2/NDF: 13422291.9/68



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: -594.475+/-351.364 χ^2/NDF:9.9/15

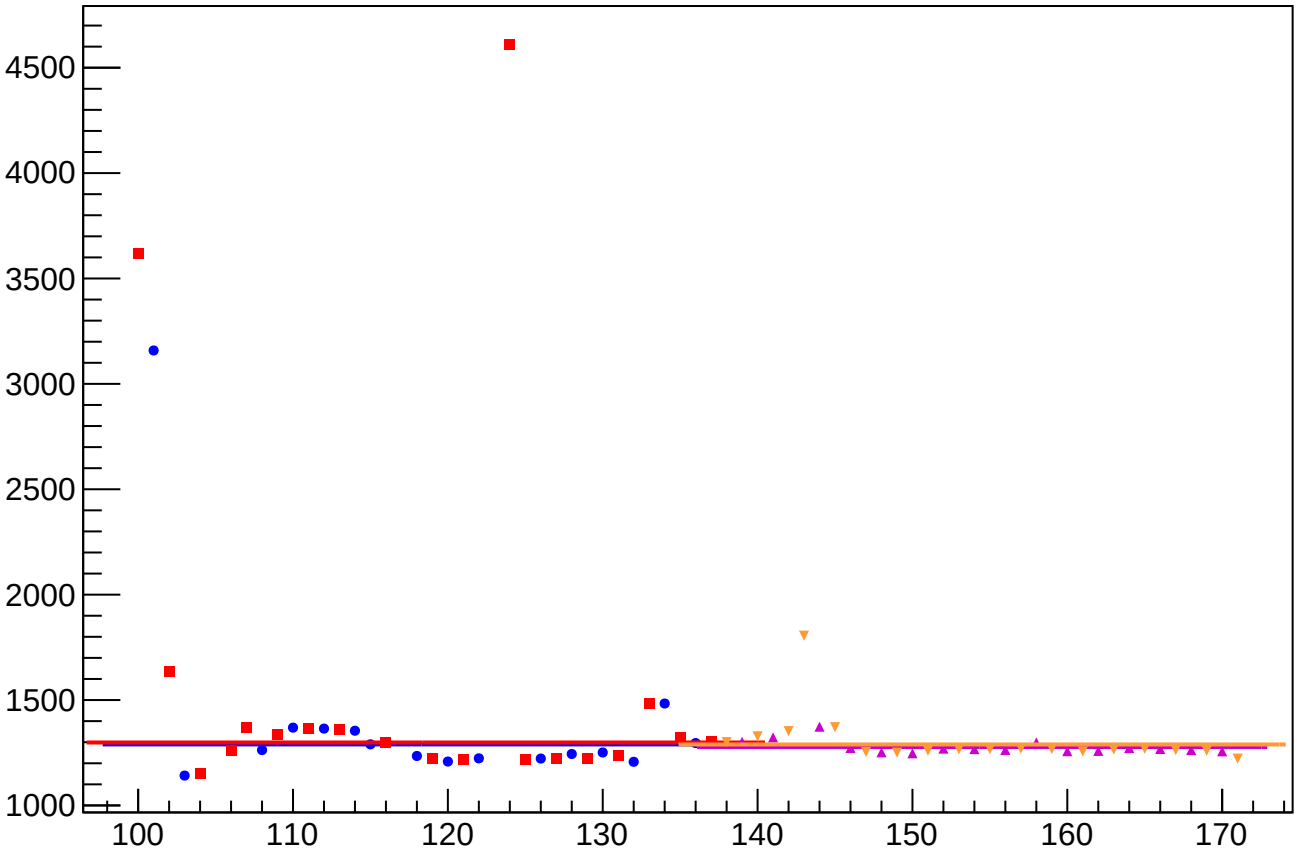
Left: 146.314+/-245.203 χ^2/NDF: 55.5/33

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -606.937+/-285.275 χ^2/NDF:23.9/31

Out: 546.856+/-280.216 χ^2/NDF:55.2/36

All: -19.720+/-199.907 χ^2/NDF: 87.3/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

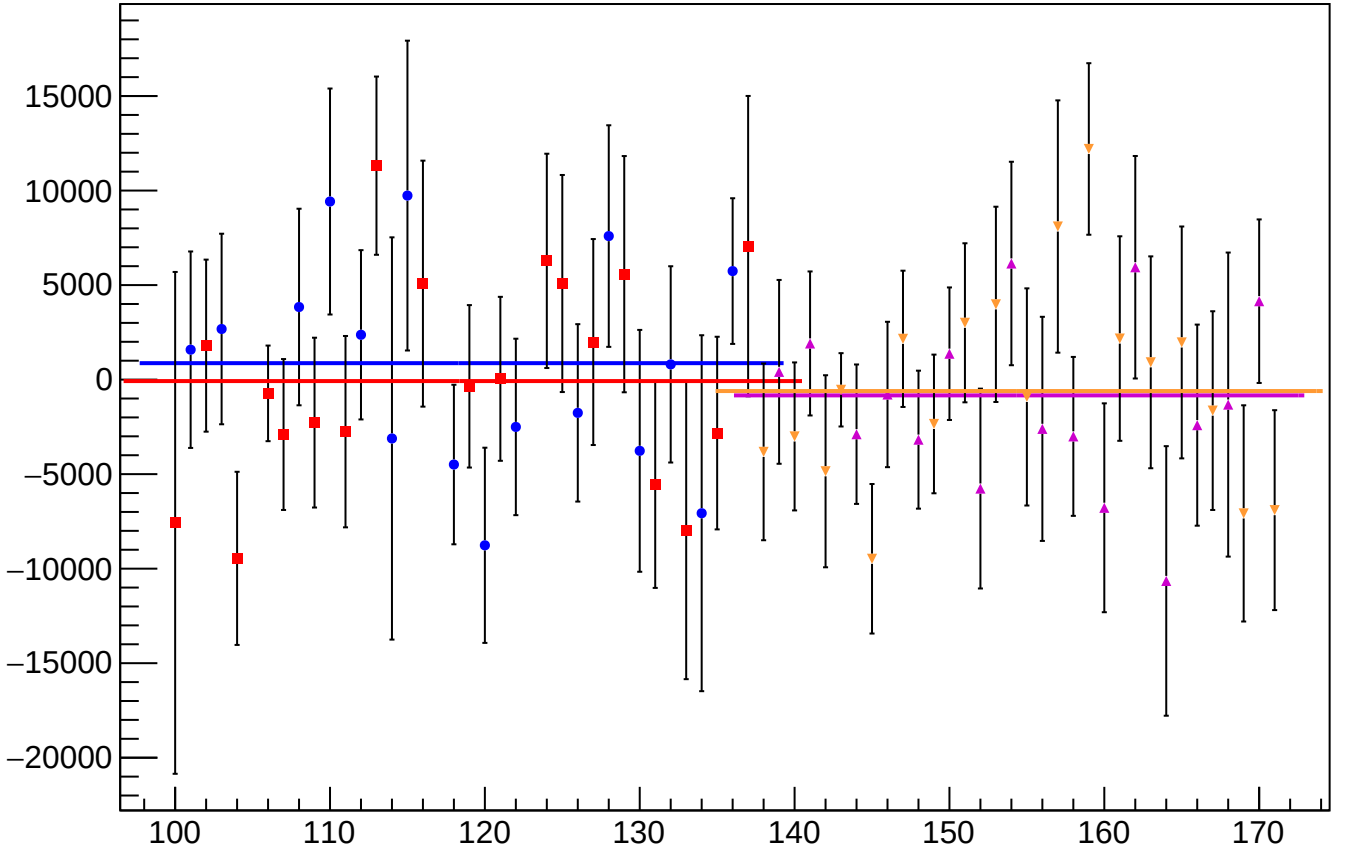
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1281.407+/-0.202 χ^2/NDF:531162.9/31

Out: 1292.337+/-0.198 χ^2/NDF:477024.2/36

All: 1286.974+/-0.141 χ^2/NDF: 1009682.7/68

asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -605.136+/-989.466 χ^2/NDF:21.8/17

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -834.151+/-1154.851 χ^2/NDF:10.4/15

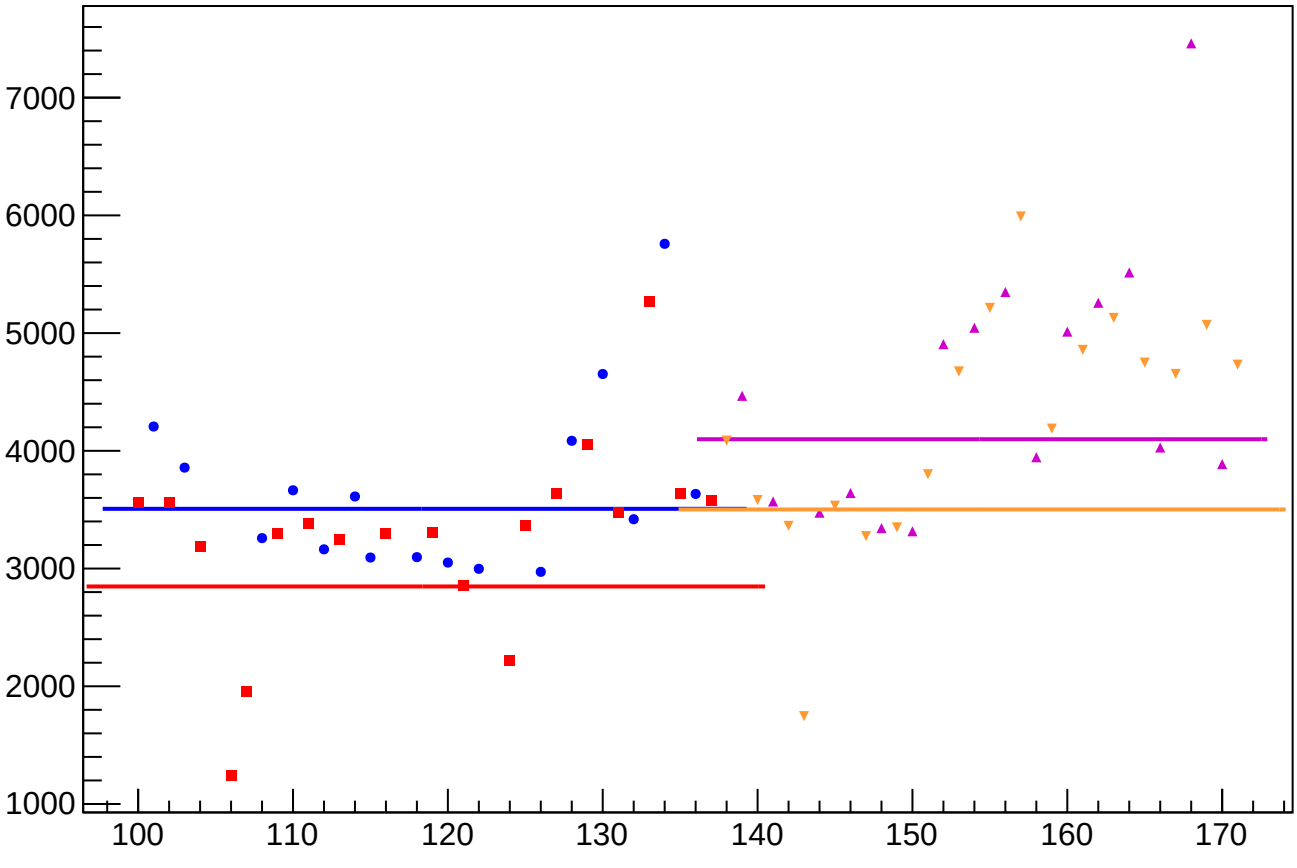
Left: -702.085+/-751.389 χ^2/NDF: 32.3/33

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: -98.503+/-870.664 χ^2/NDF:25.4/31

Out: -371.685+/-738.927 χ^2/NDF:40.3/36

All: -257.304+/-563.380 χ^2/NDF: 65.8/68



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: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

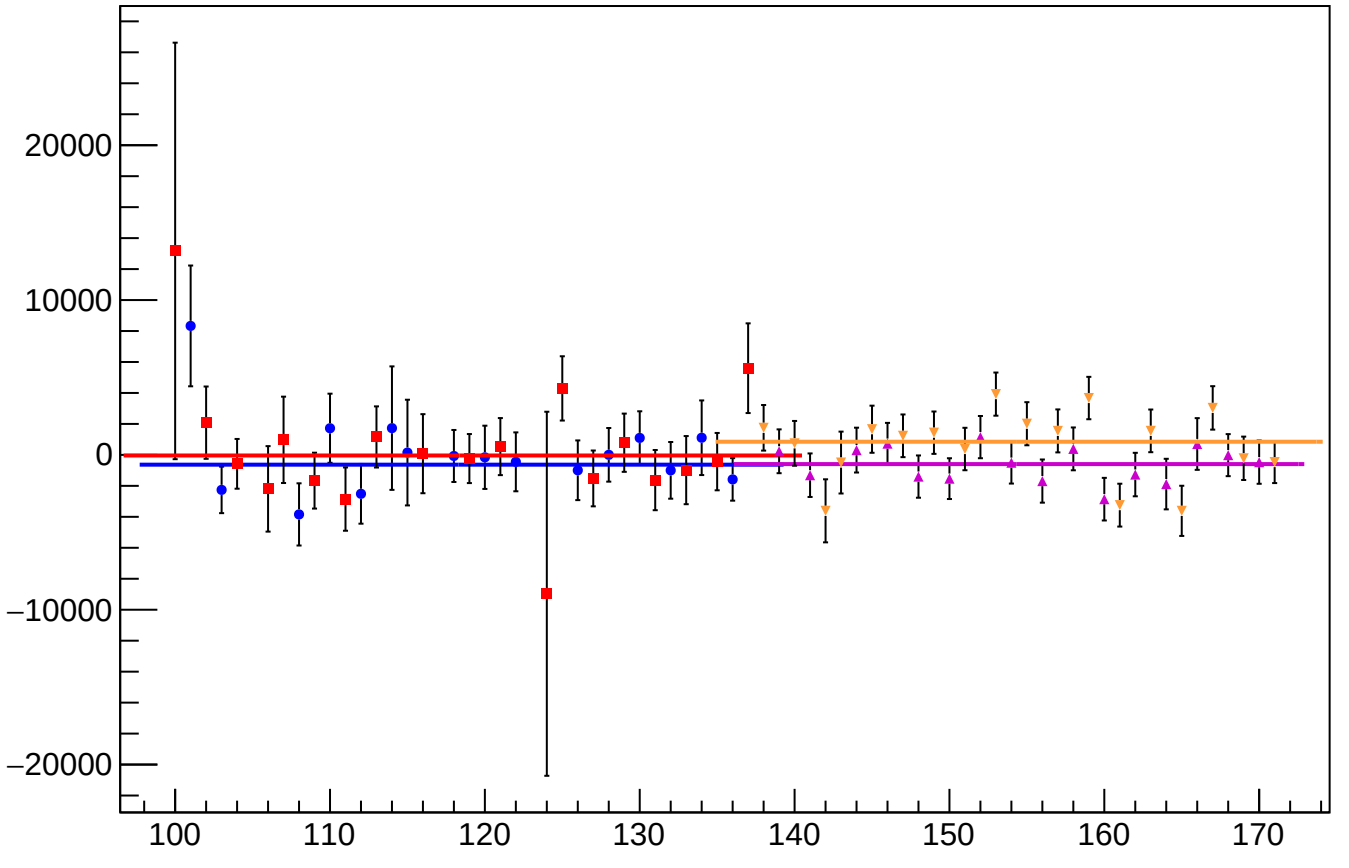
Left: 3754.570+/-0.531 χ^2/NDF: 4425535.3/33

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3843.454+/-0.616 χ^2/NDF:1667247.0/31

Out: 3212.659+/-0.523 χ^2/NDF:4916693.7/36

All: 3476.772+/-0.398 χ^2/NDF: 7194188.4/68



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: -594.460+/-351.364 χ^2/NDF:9.9/15

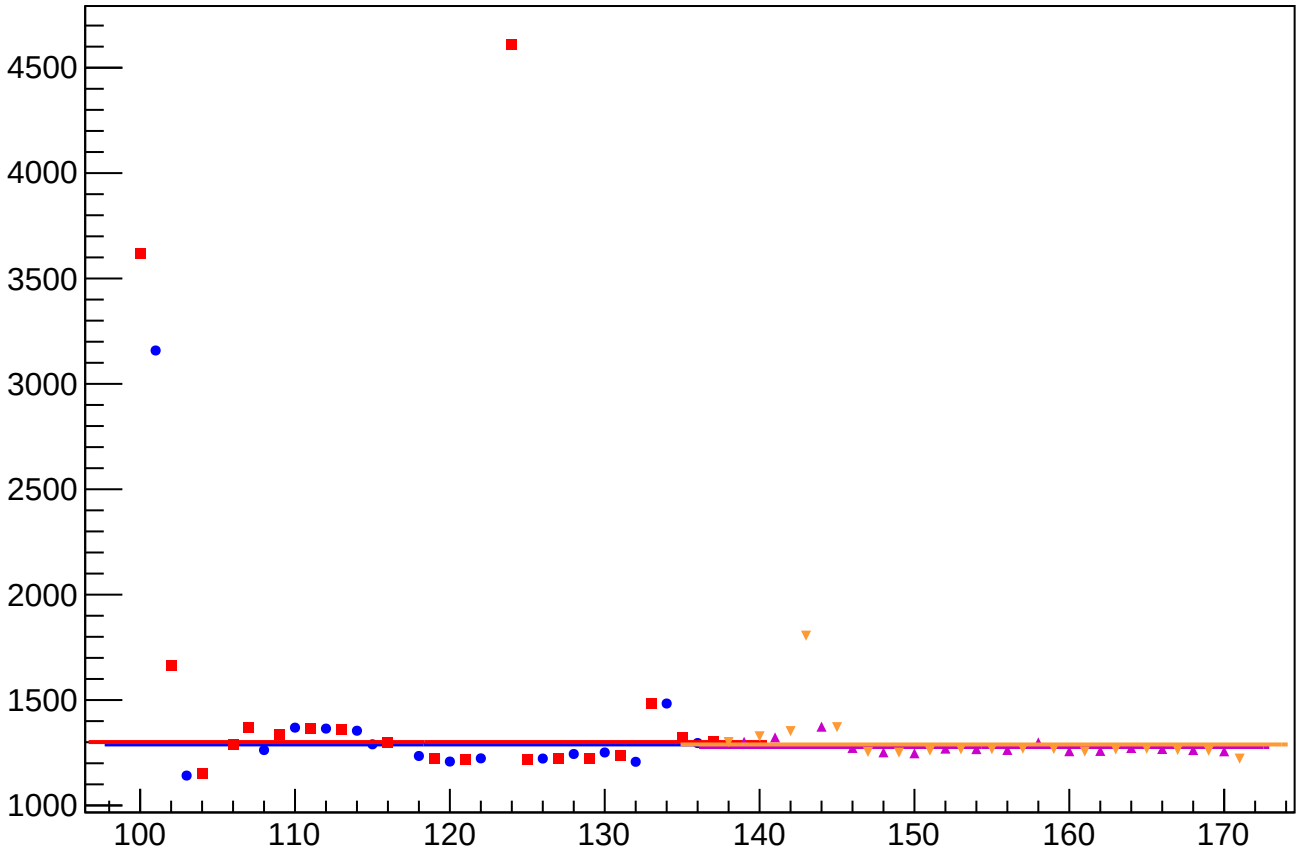
Left: 146.339+/-245.203 χ^2/NDF: 55.5/33

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -14.888+/-199.930 χ^2/NDF: 87.8/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

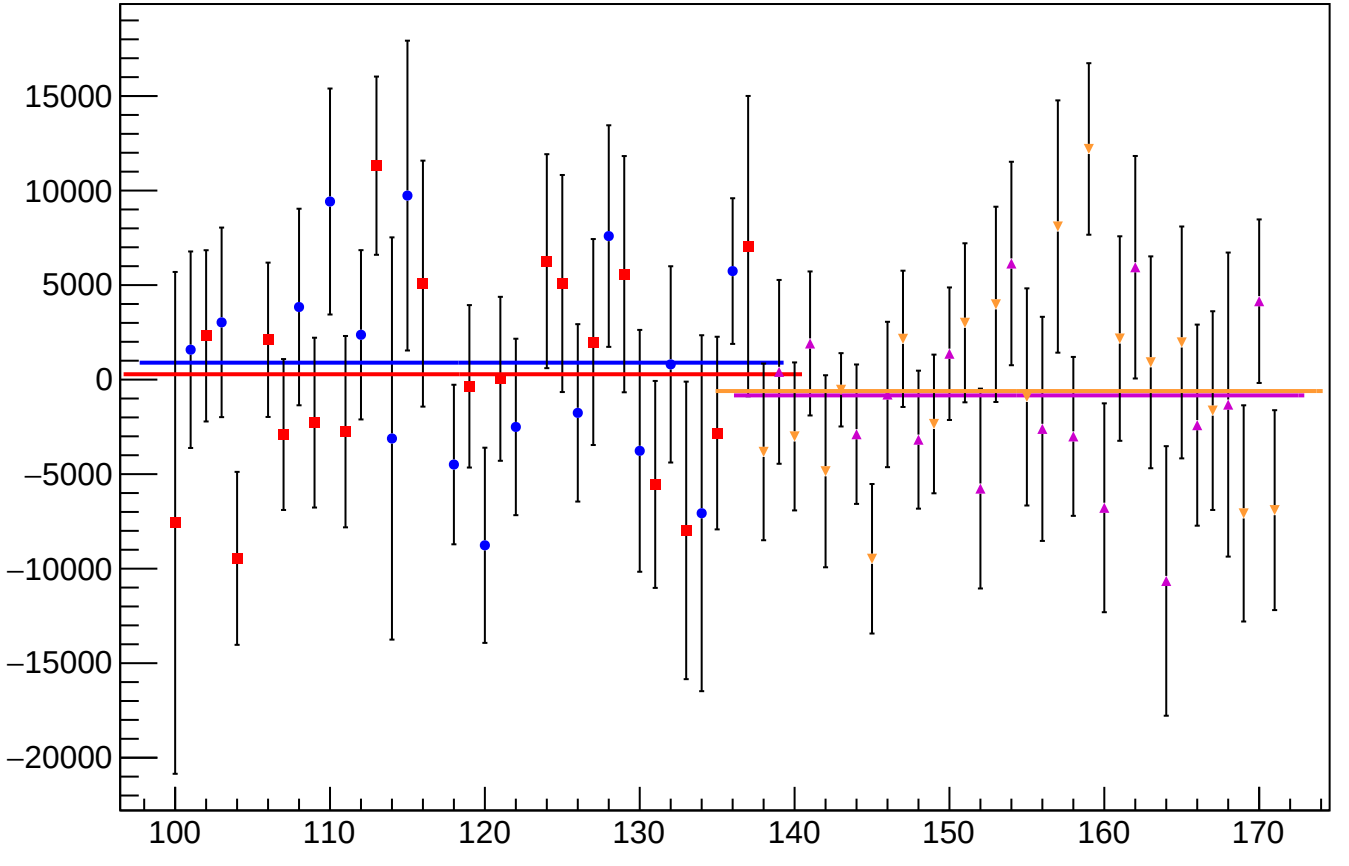
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -605.046+/-989.464 χ^2/NDF:21.8/17

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -834.195+/-1154.849 χ^2/NDF:10.4/15

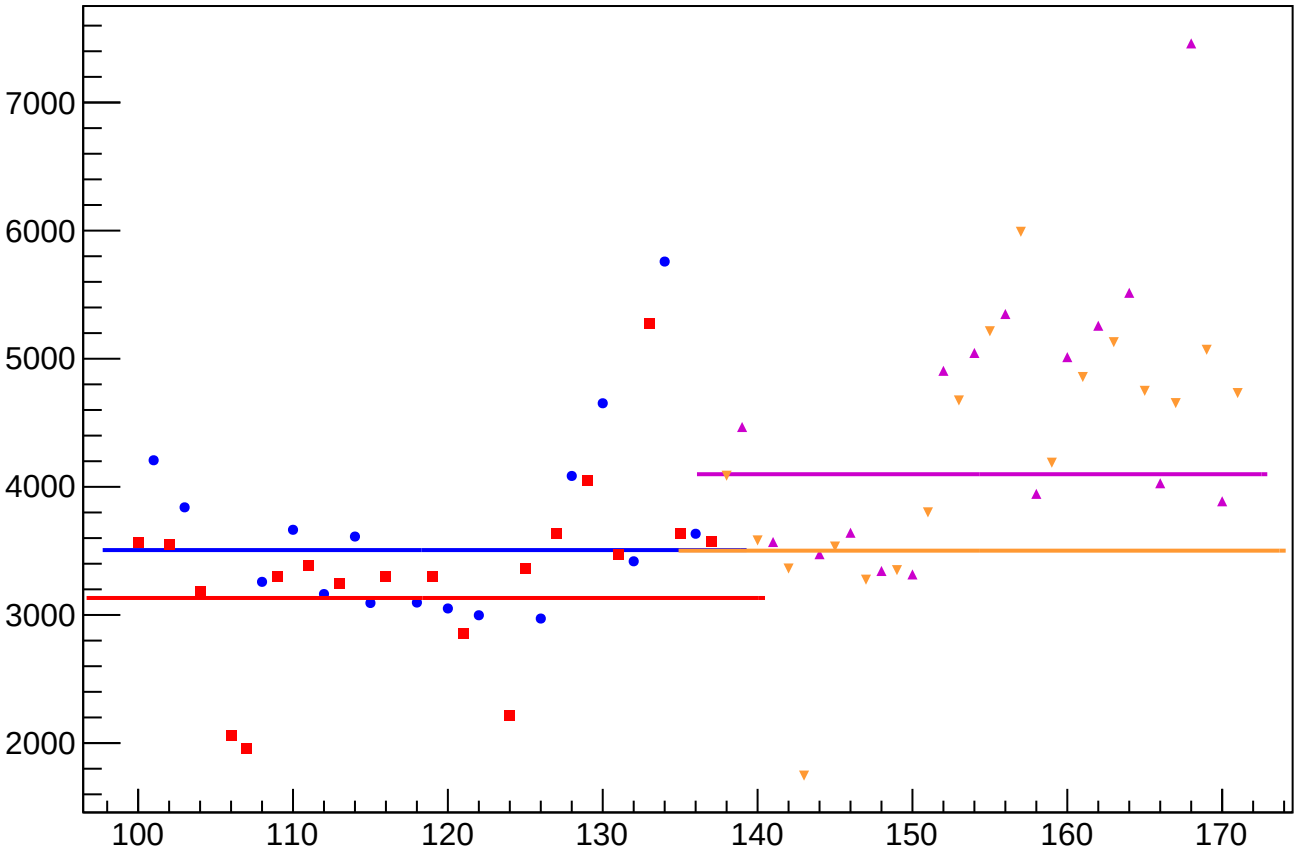
Left: -702.051+/-751.388 χ^2/NDF: 32.3/33

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -173.512+/-572.101 χ^2/NDF: 66.3/68



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: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

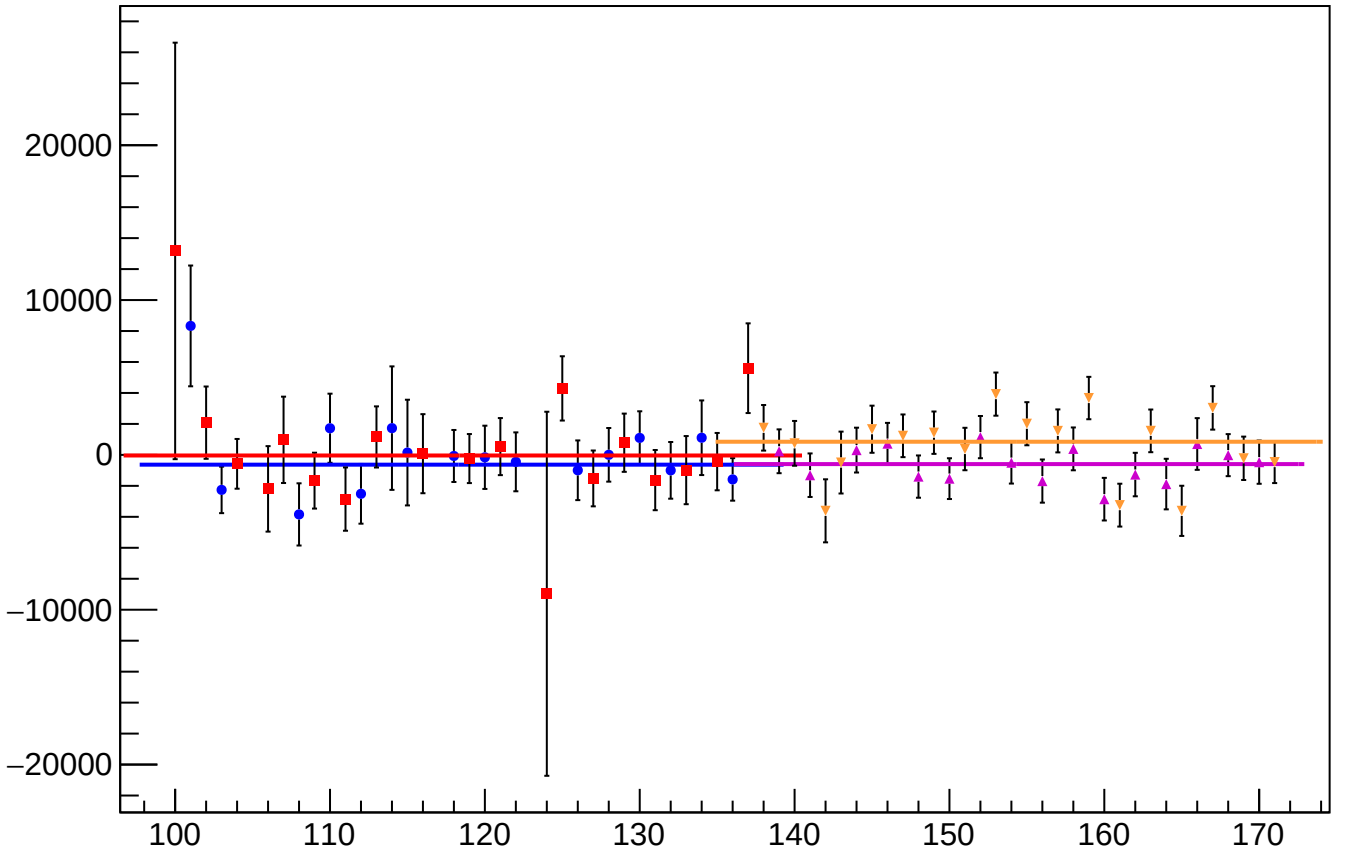
Left: 3754.562+/-0.531 χ^2/NDF: 4425573.0/33

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68



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: -594.460+/-351.364 χ^2/NDF:9.9/15

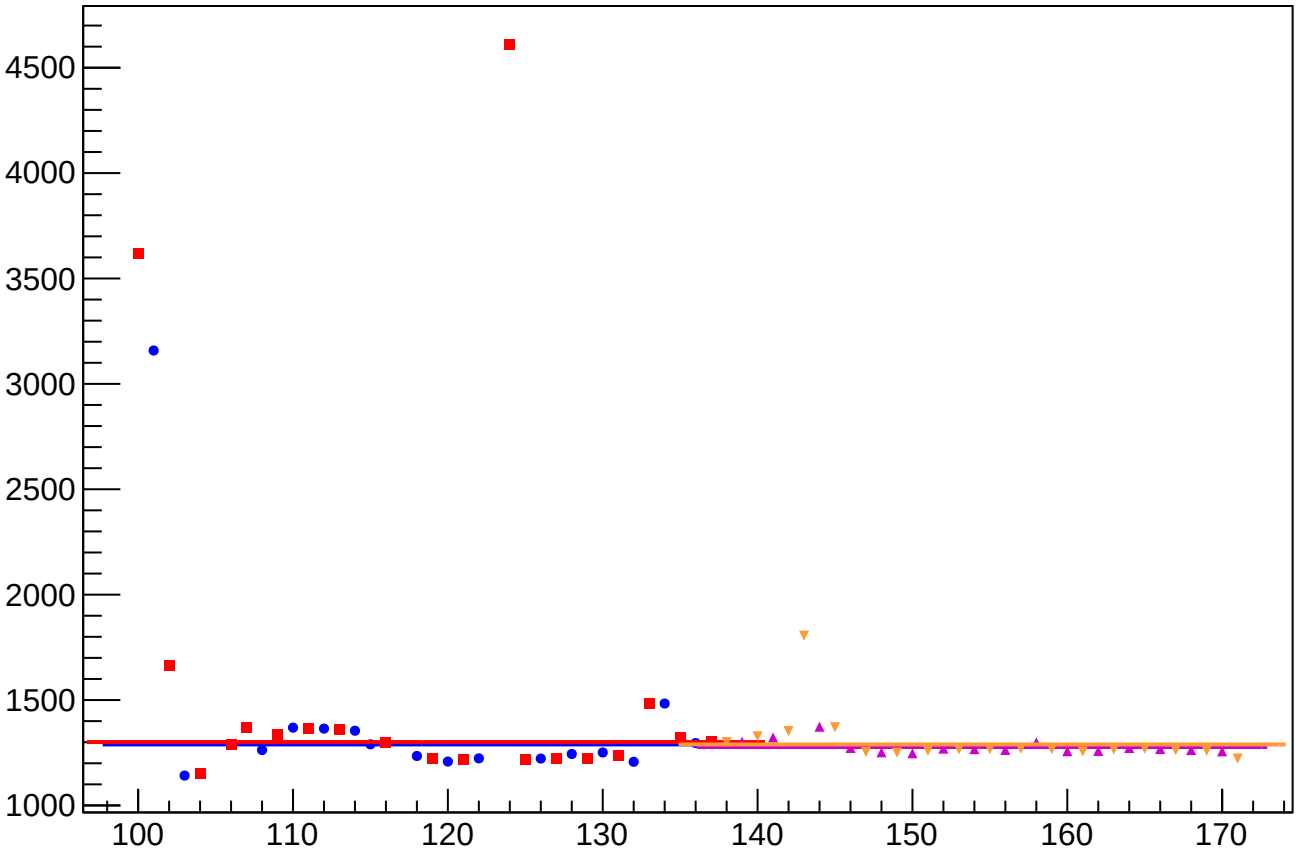
Left: 146.339+/-245.203 χ^2/NDF: 55.5/33

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -14.888+/-199.930 χ^2/NDF: 87.8/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

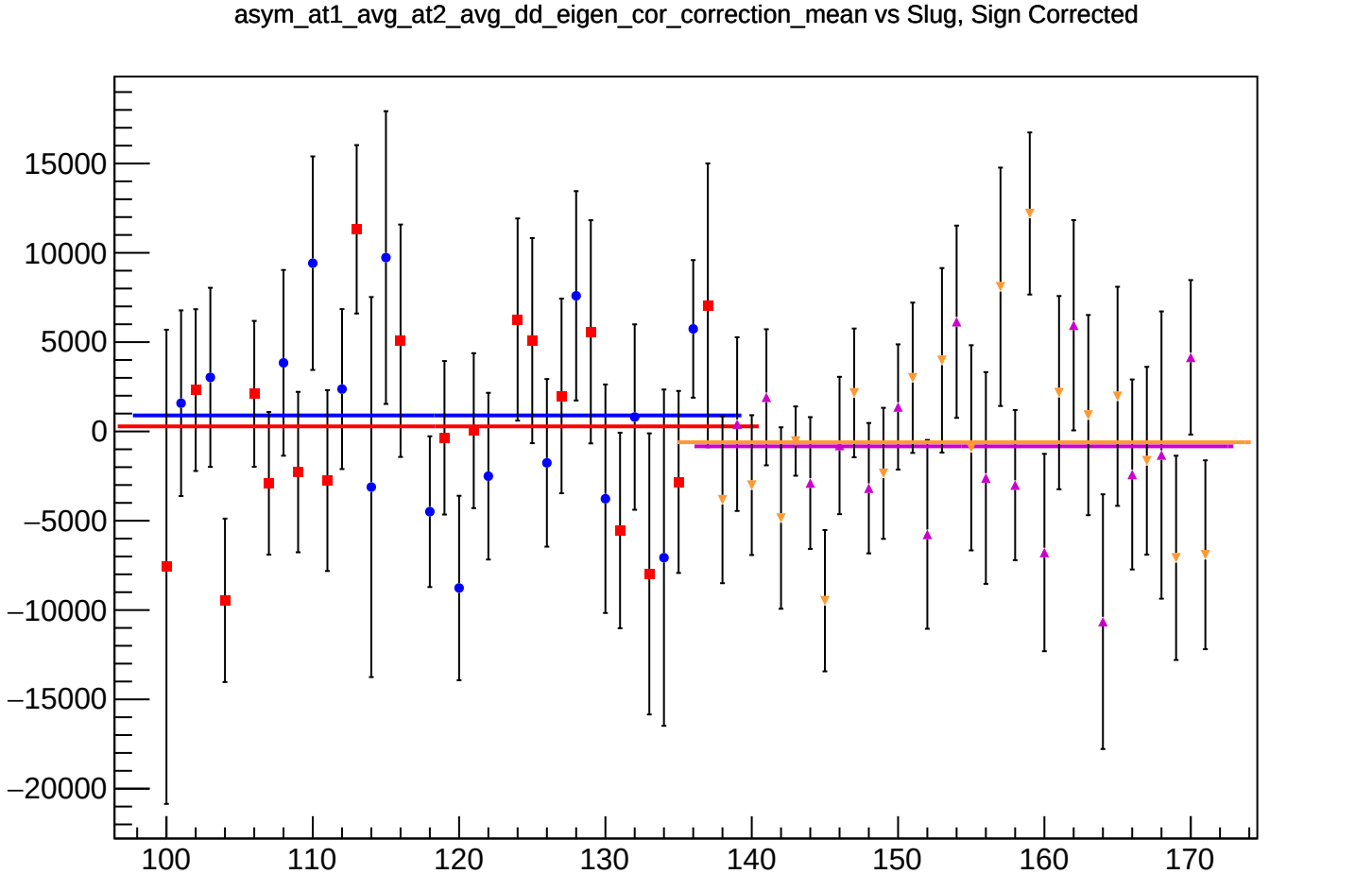
Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68



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: -834.195+/-1154.849 χ^2/NDF:10.4/15

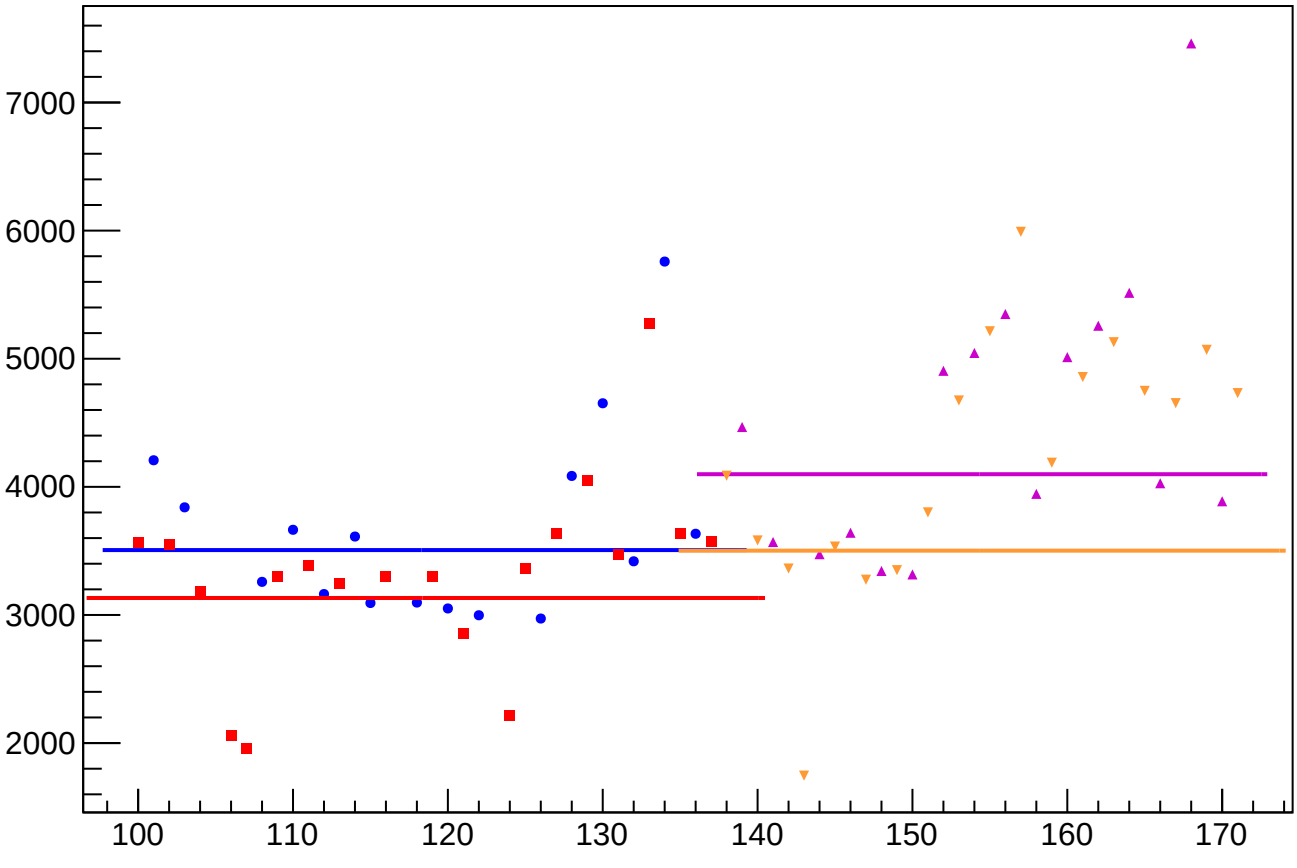
Left: -702.051+/-751.388 χ^2/NDF: 32.3/33

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -173.512+/-572.101 χ^2/NDF: 66.3/68



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: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

Left: 3754.562+/-0.531 χ^2/NDF: 4425573.0/33

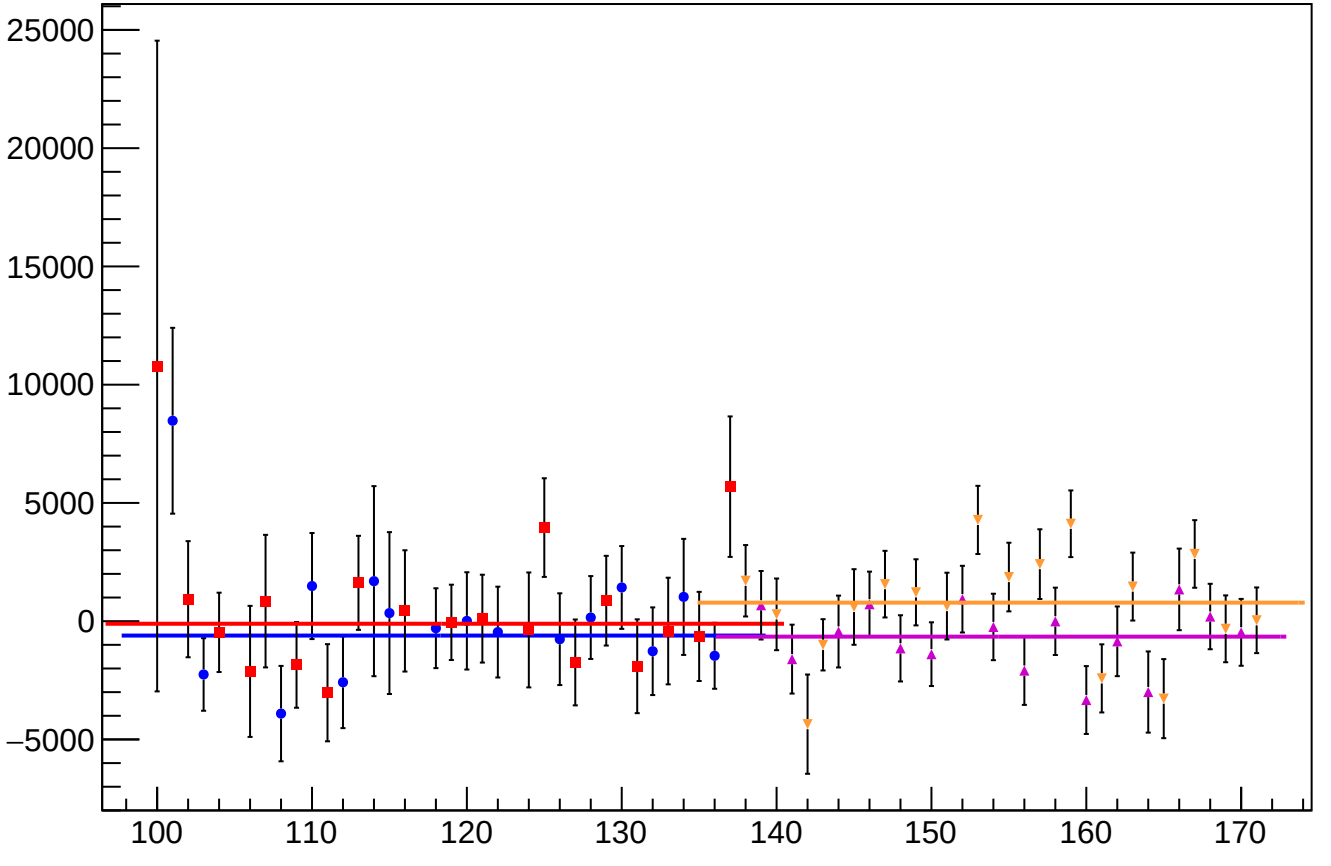
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

dit_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 784.292+/-340.701 χ^2/NDF:36.9/17

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -653.590+/-362.908 χ^2/NDF:12.3/15

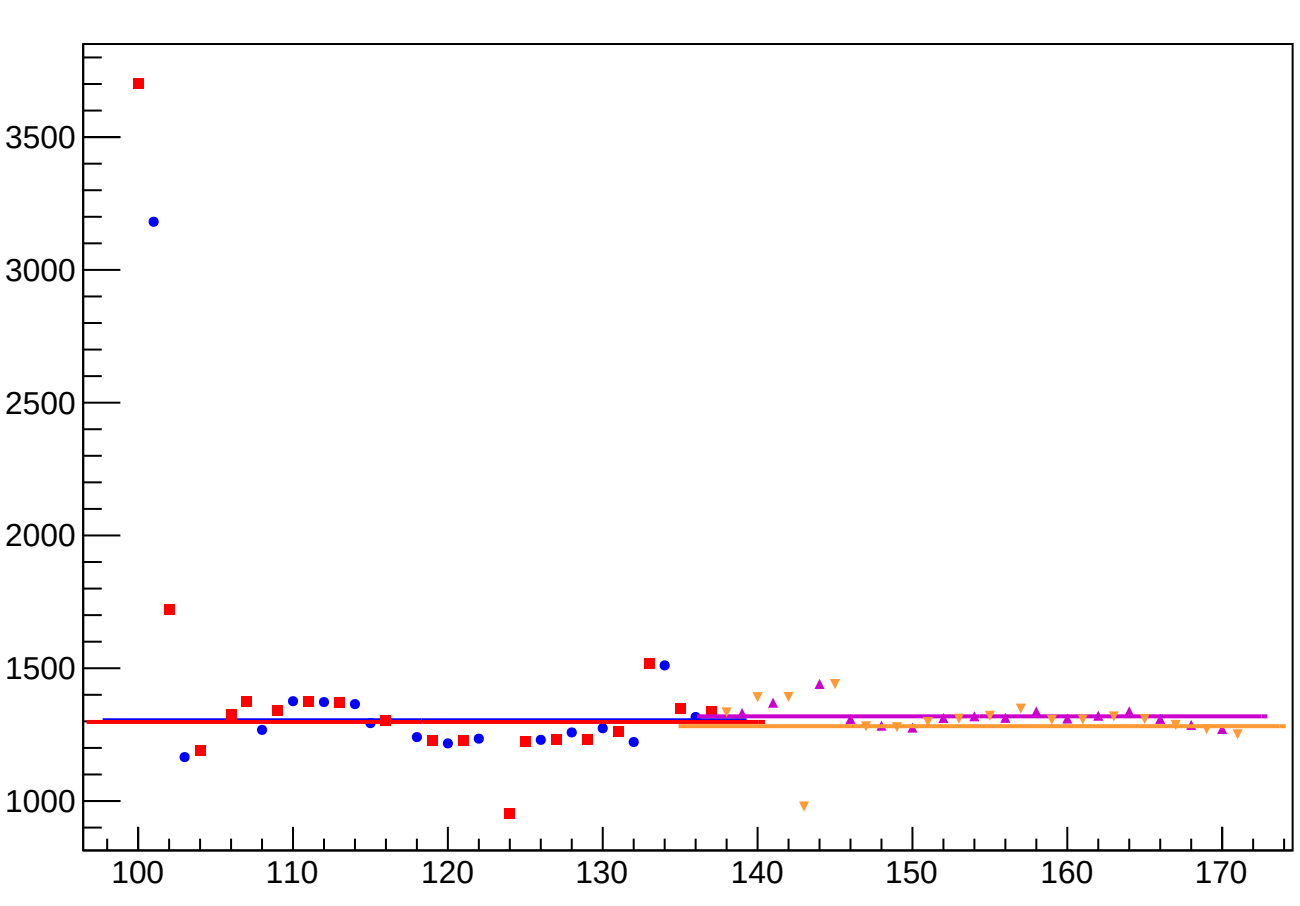
Left: 110.688+/-248.392 χ^2/NDF: 57.6/33

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -637.558+/-292.507 χ^2/NDF:26.5/31

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -47.082+/-201.849 χ^2/NDF: 88.3/68



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: 1318.907+/-0.257 χ^2/NDF:23031.0/15

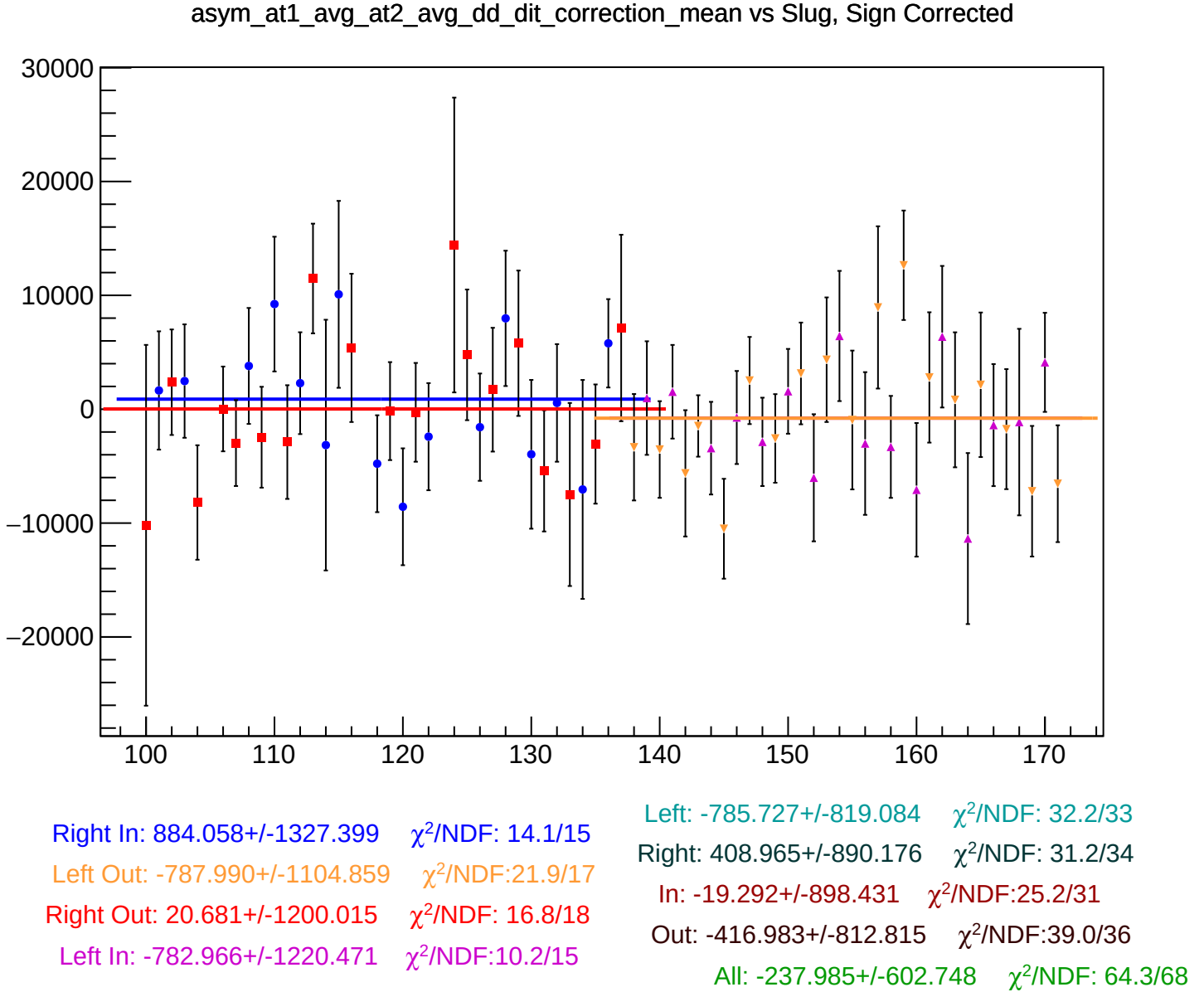
Left: 1299.173+/-0.176 χ^2/NDF: 238432.8/33

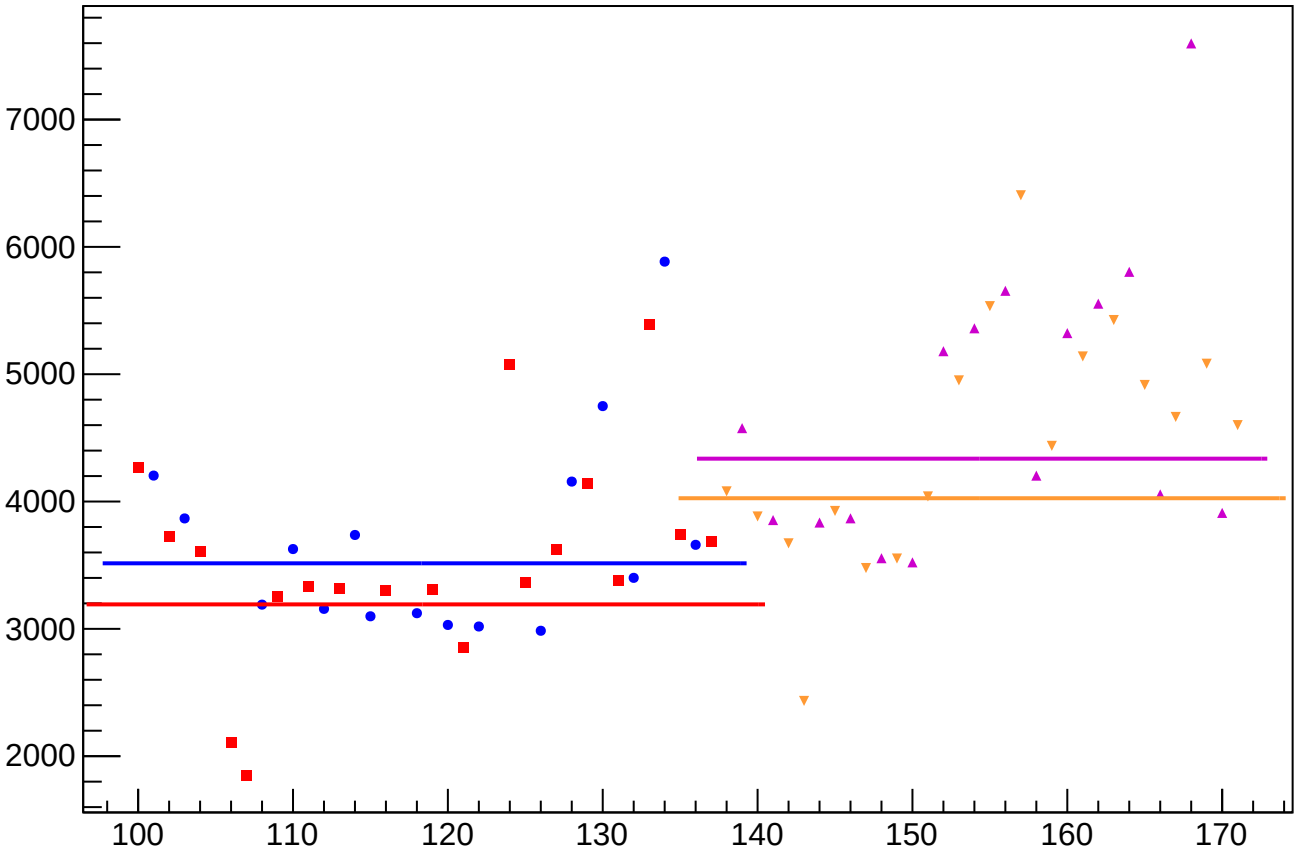
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1313.720+/-0.207 χ^2/NDF:534786.4/31

Out: 1287.070+/-0.197 χ^2/NDF:418833.0/36

All: 1299.757+/-0.143 χ^2/NDF: 962317.5/68


asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -787.990+/-1104.859 χ²/NDF:21.9/17
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -782.966+/-1220.471 χ²/NDF:10.2/15
Left: -785.727+/-819.084 χ²/NDF: 32.2/33
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -19.292+/-898.431 χ²/NDF:25.2/31
Out: -416.983+/-812.815 χ²/NDF:39.0/36
All: -237.985+/-602.748 χ²/NDF: 64.3/68



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: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

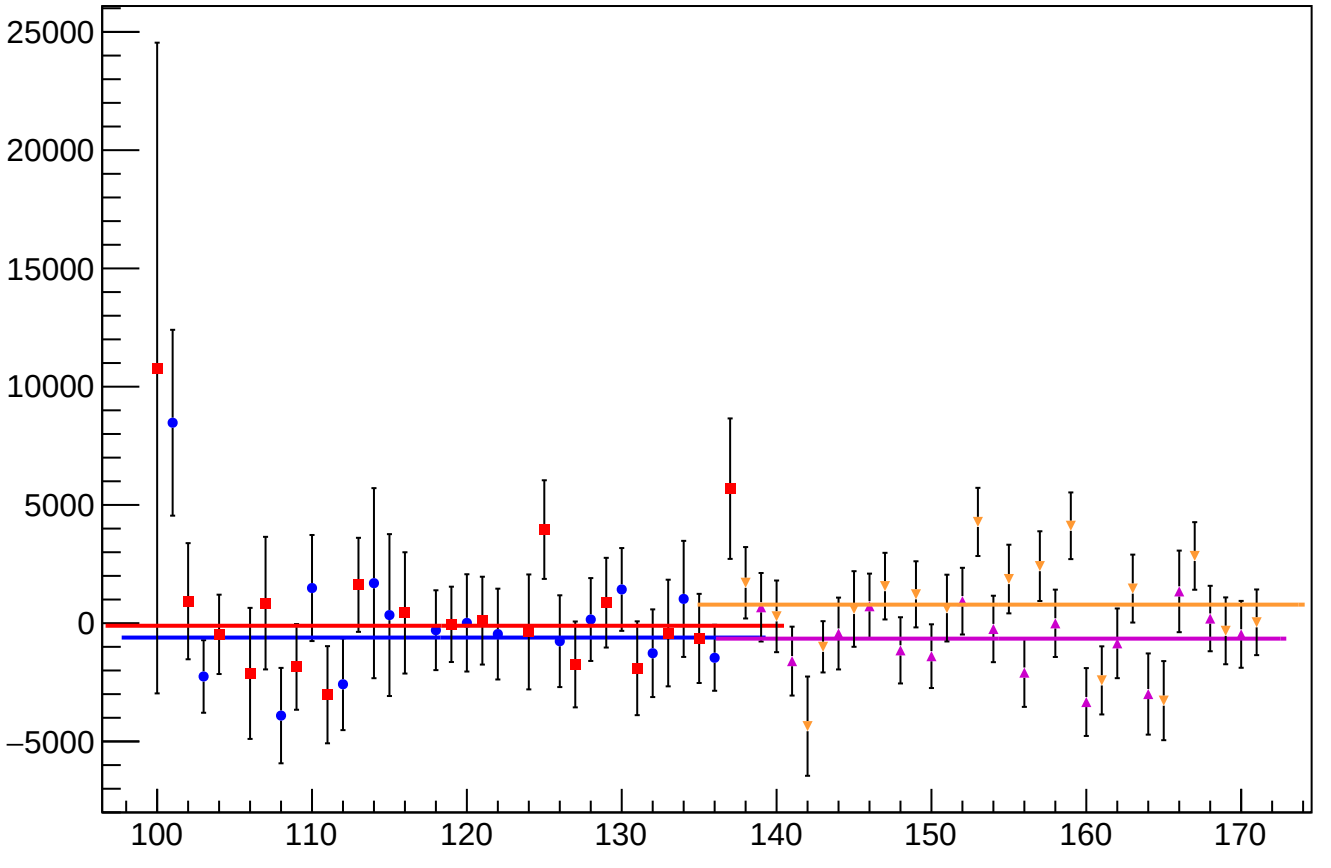
Left: 4165.887+/-0.579 χ^2/NDF: 2633595.6/33

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3960.152+/-0.635 χ^2/NDF:1807793.2/31

Out: 3643.419+/-0.575 χ^2/NDF:2840119.1/36

All: 3785.978+/-0.426 χ^2/NDF: 4784602.2/68



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: -653.591+/-362.908 χ^2/NDF:12.3/15

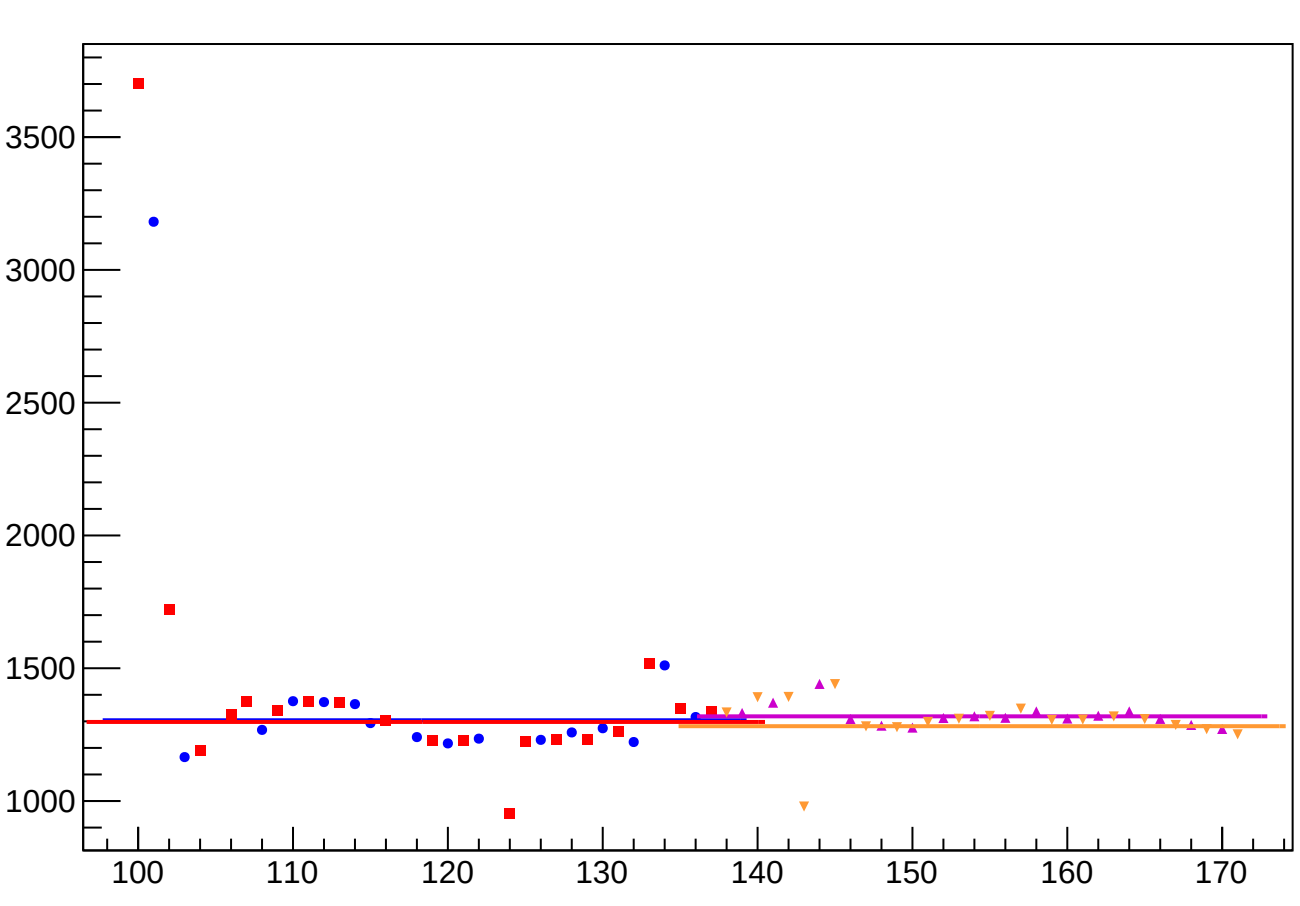
Left: 110.689+/-248.392 χ^2/NDF: 57.6/33

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -637.560+/-292.507 χ^2/NDF:26.5/31

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -47.083+/-201.849 χ^2/NDF: 88.3/68



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: 1318.908+/-0.257 χ^2/NDF:23031.2/15

Left: 1299.175+/-0.176 χ^2/NDF: 238434.2/33

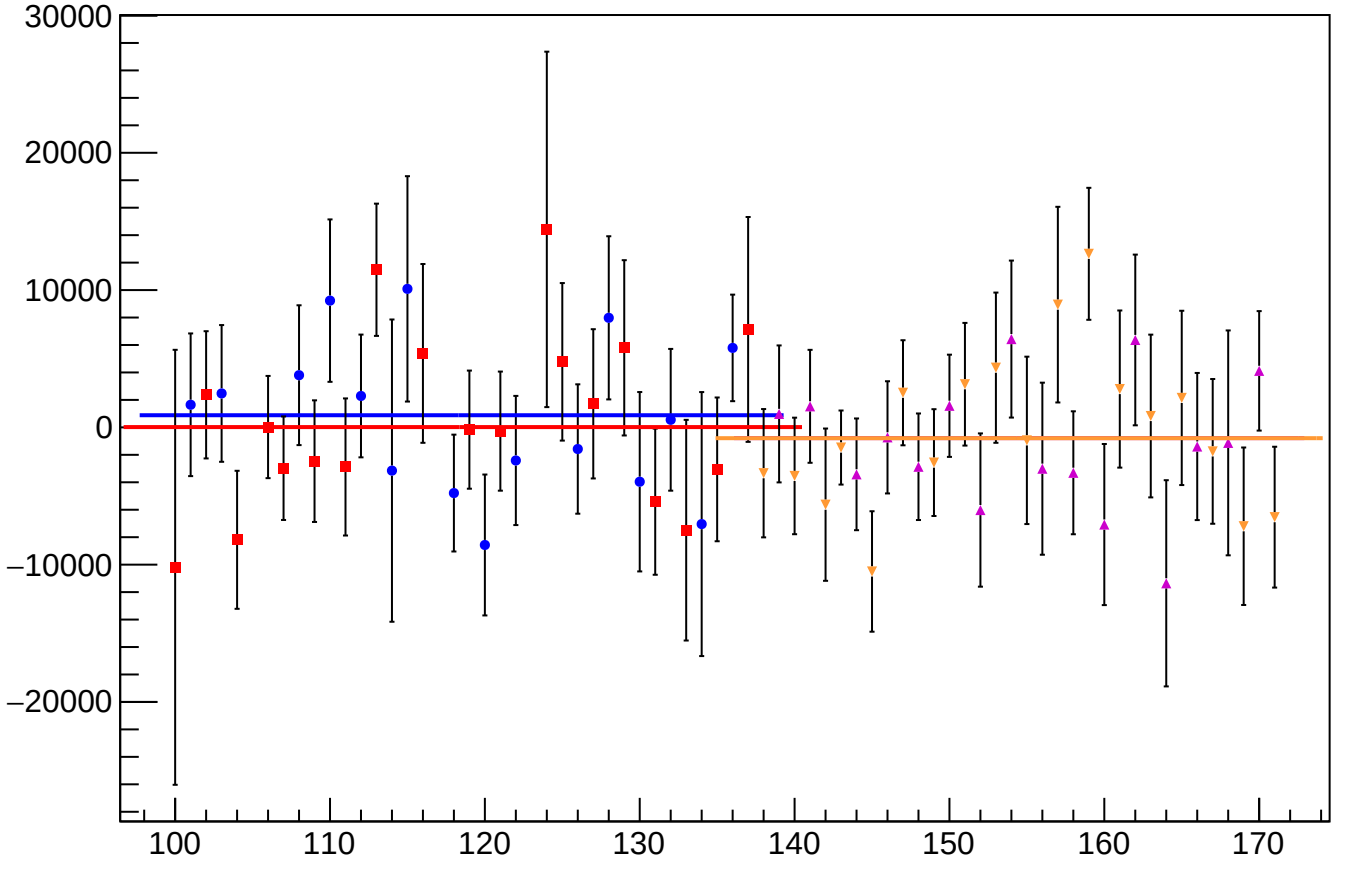
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1313.721+/-0.207 χ^2/NDF:534787.1/31

Out: 1287.071+/-0.197 χ^2/NDF:418833.8/36

All: 1299.758+/-0.143 χ^2/NDF: 962319.0/68

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: -782.965+/-1220.473 χ^2/NDF:10.2/15

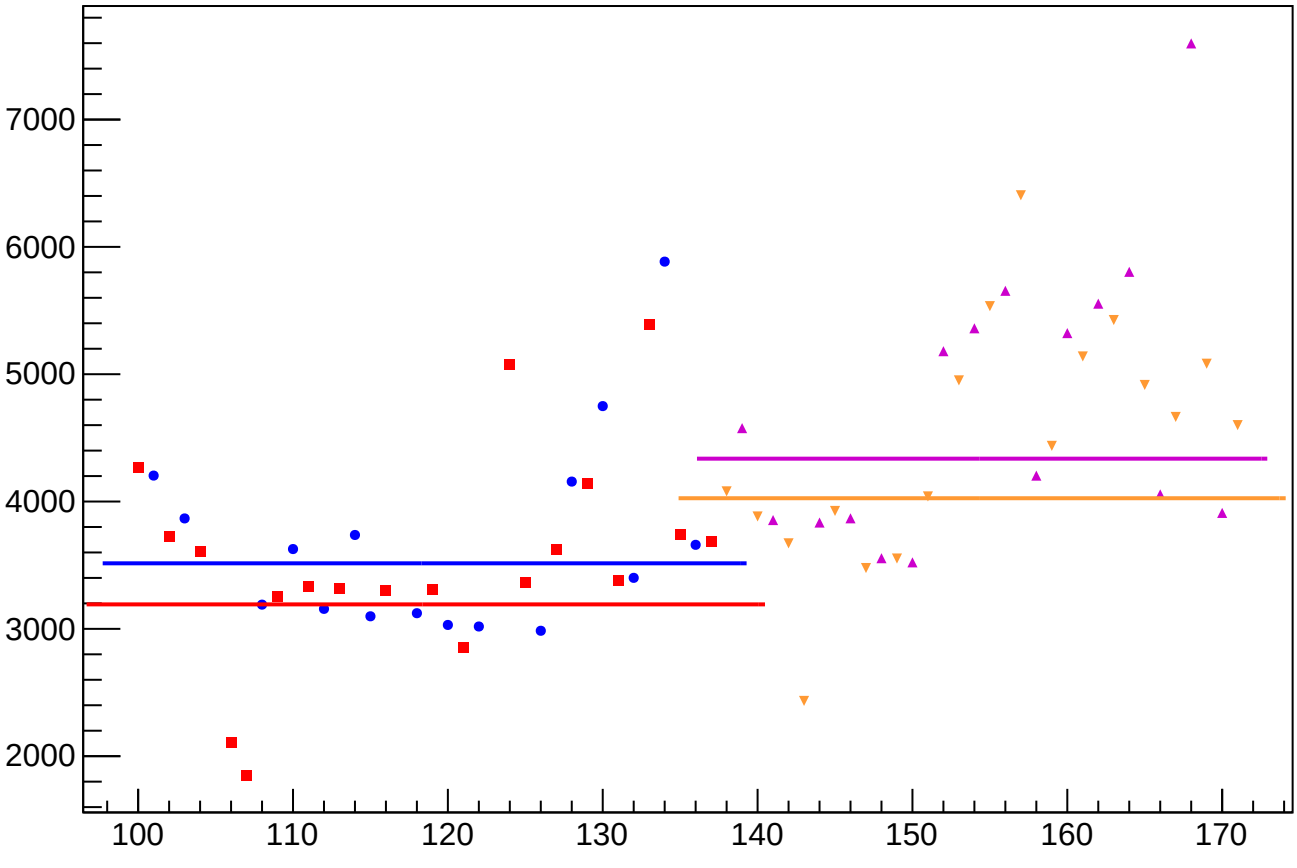
Left: -785.725+/-819.086 χ^2/NDF: 32.2/33

Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: -19.293+/-898.430 χ^2/NDF:25.2/31

Out: -416.982+/-812.814 χ^2/NDF:39.0/36

All: -237.985+/-602.748 χ^2/NDF: 64.3/68



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: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

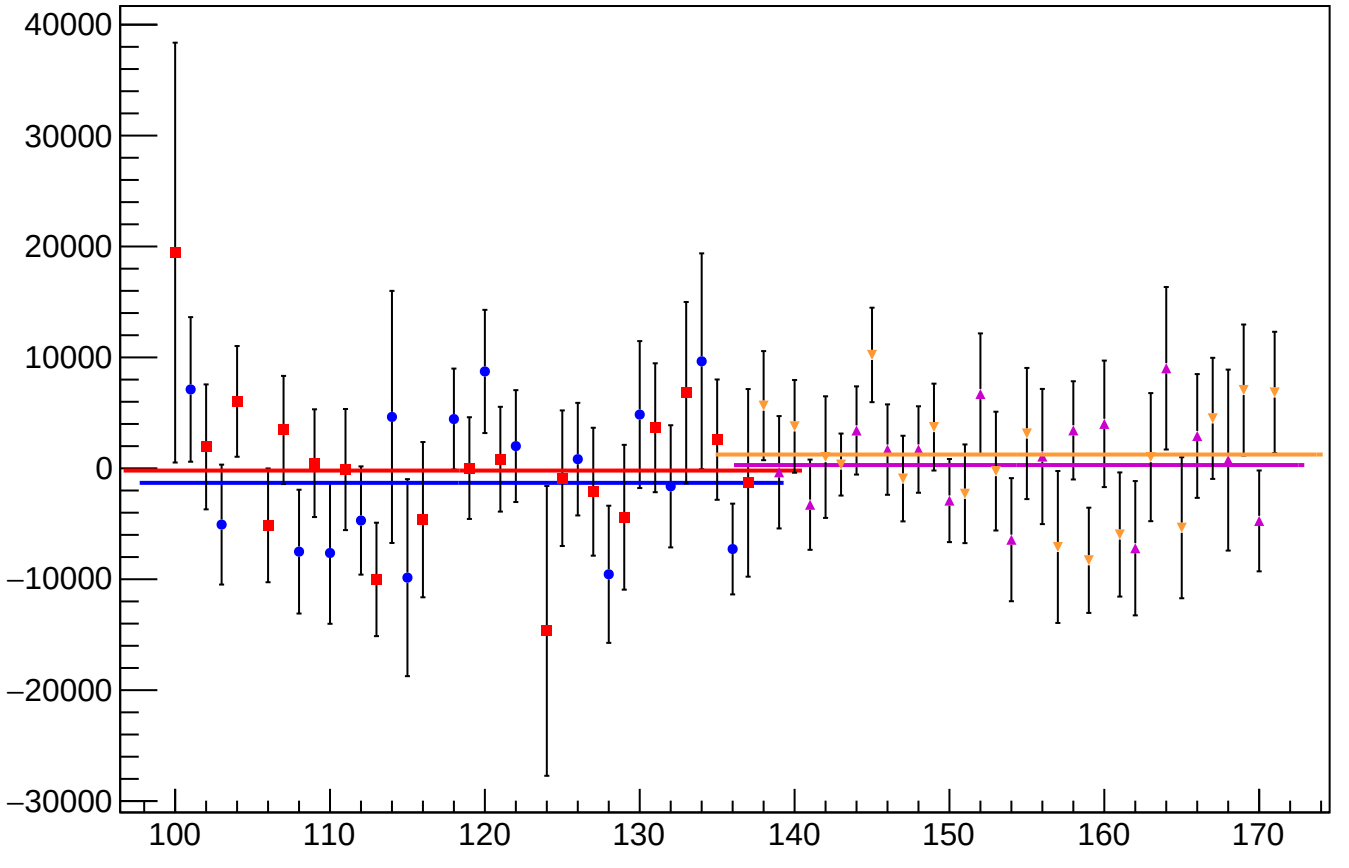
Left: 4165.893+/-0.579 χ^2/NDF: 2633599.1/33

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3960.149+/-0.635 χ^2/NDF:1807815.4/31

Out: 3643.417+/-0.575 χ^2/NDF:2840140.4/36

All: 3785.976+/-0.426 χ^2/NDF: 4784645.3/68



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: 295.262+/-1216.245 χ^2/NDF:10.6/15

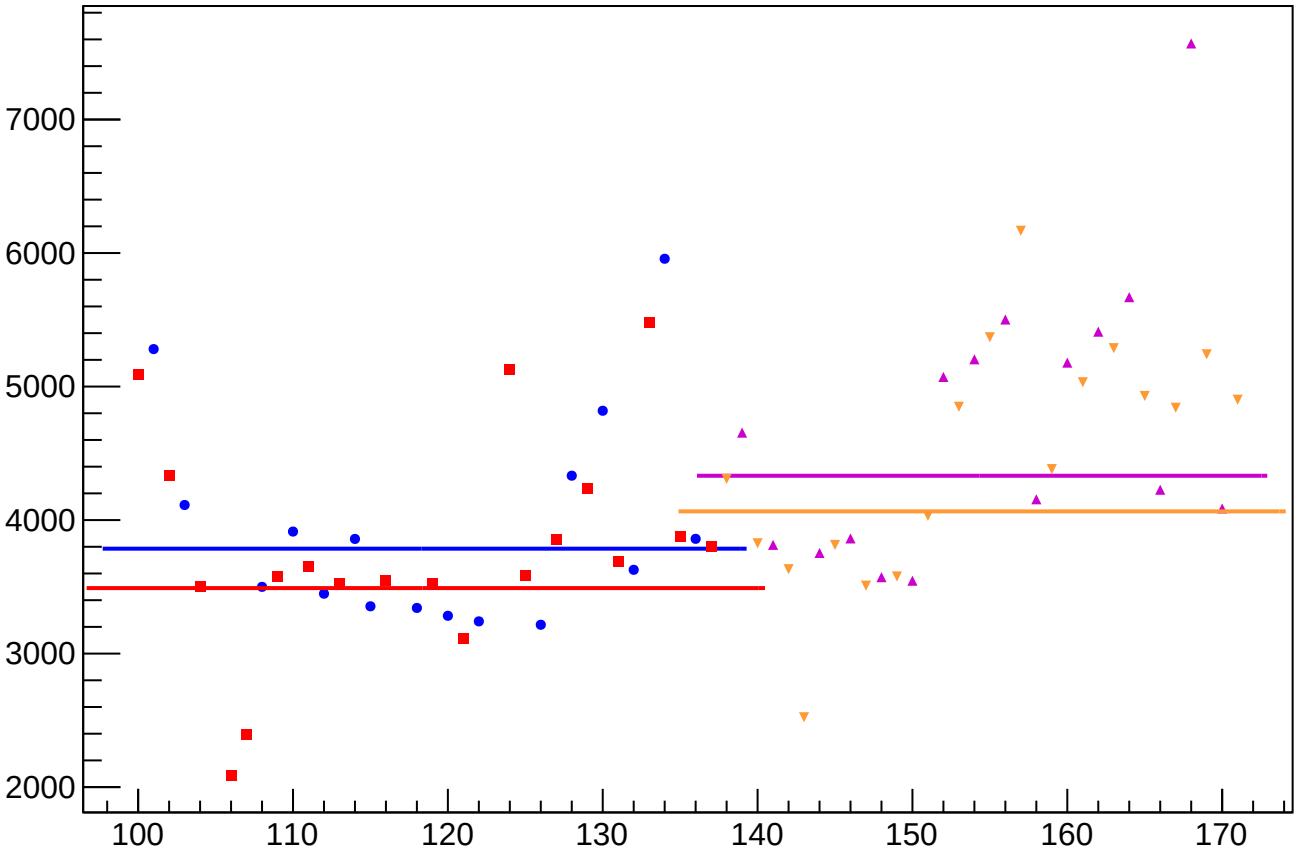
Left: 812.133+/-820.488 χ^2/NDF: 28.8/33

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -377.382+/-926.908 χ^2/NDF:28.9/31

Out: 652.615+/-854.473 χ^2/NDF:30.2/36

All: 179.430+/-628.253 χ^2/NDF: 59.8/68



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: 4332.000+/-0.860 χ^2/NDF:932259.8/15

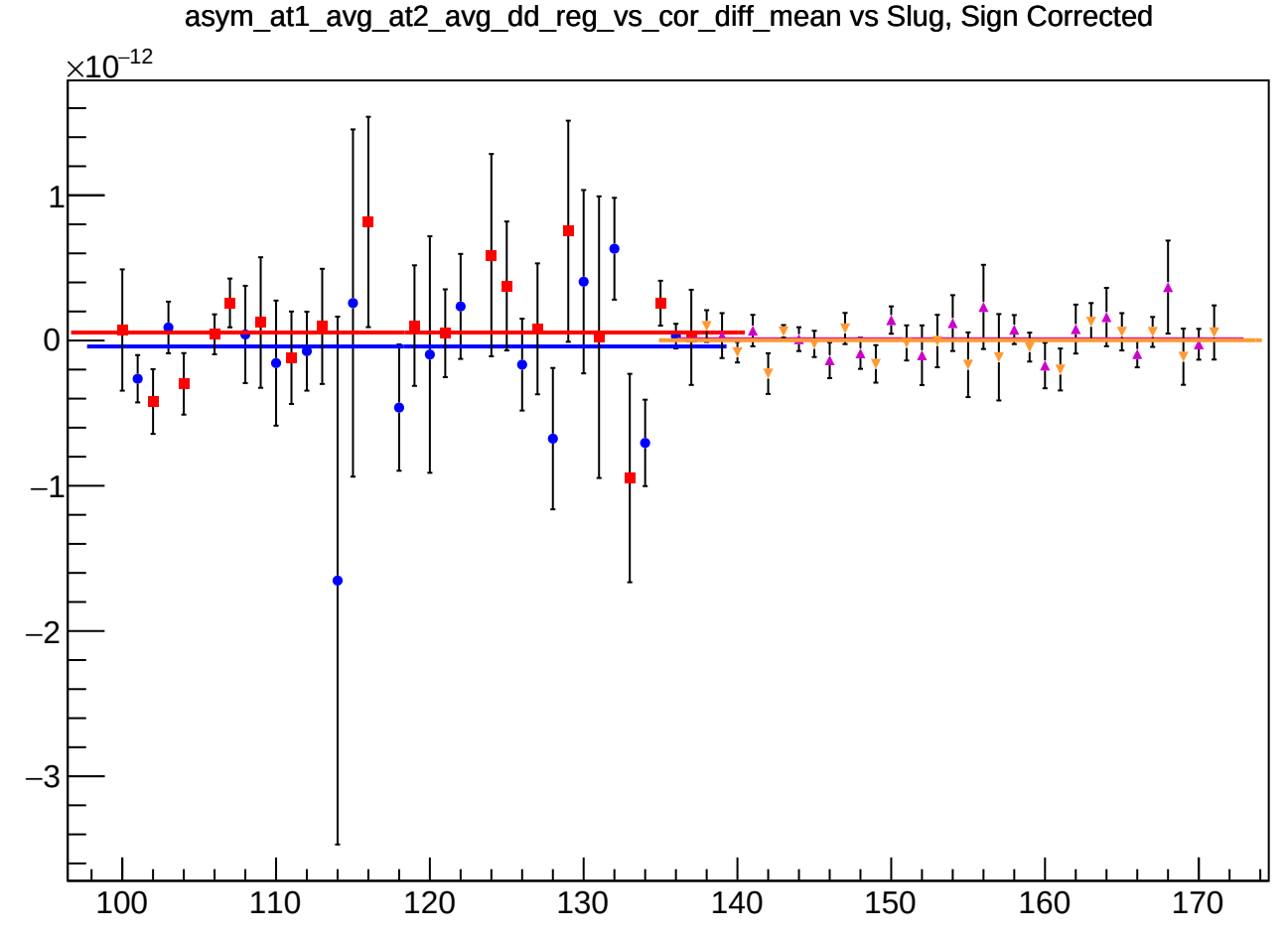
Left: 4186.595+/-0.580 χ^2/NDF: 2387166.1/33

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.023+/-0.655 χ^2/NDF:1484356.4/31

Out: 3826.335+/-0.601 χ^2/NDF:2211287.7/36

All: 3952.670+/-0.443 χ^2/NDF: 3792486.1/68



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:10.8/15

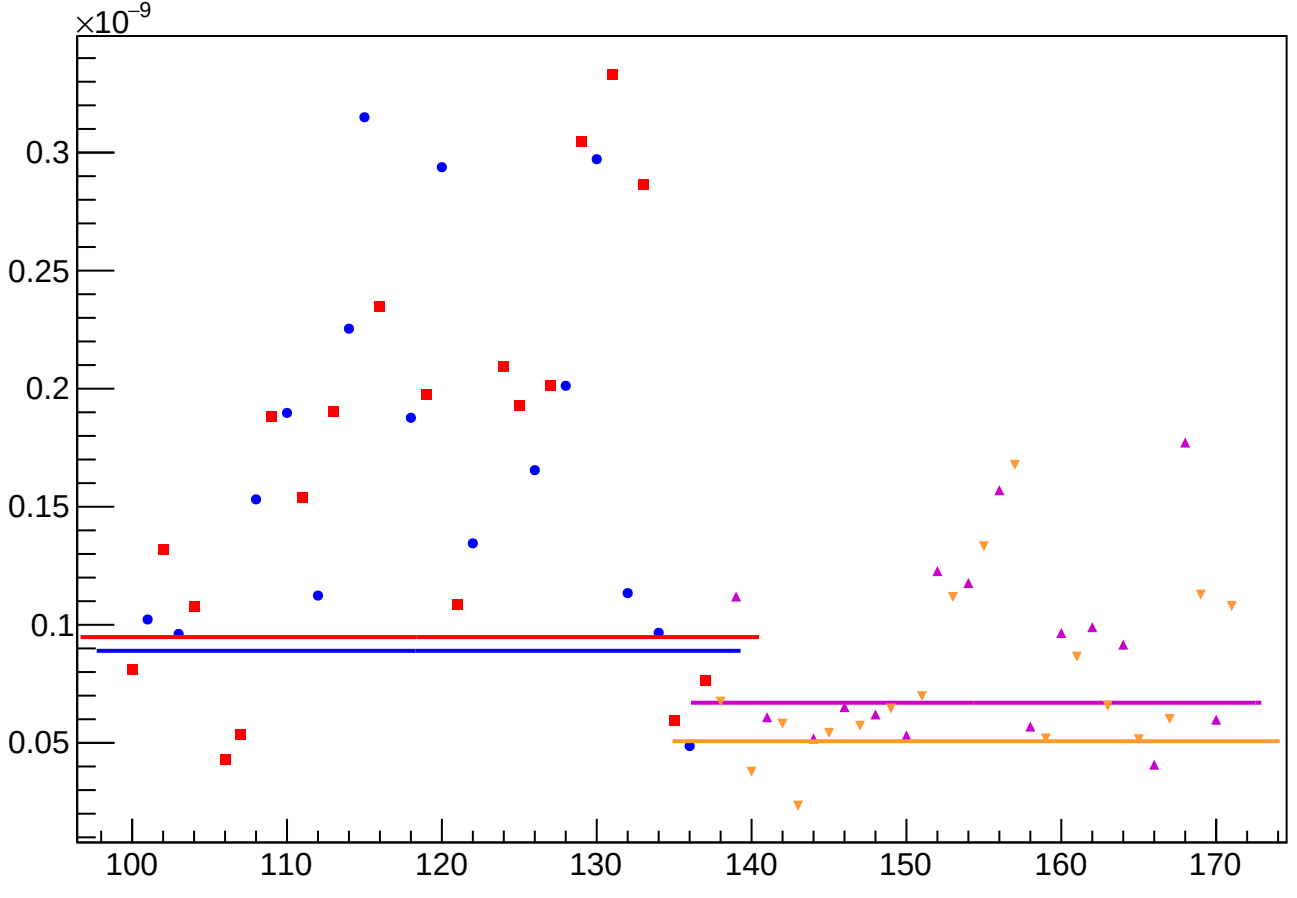
Left: 0.000+/-0.000 χ^2/NDF: 24.6/33

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:28.0/31

Out: 0.000+/-0.000 χ^2/NDF:30.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.4/68



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:1374533.4/15

Left: 0.000+/-0.000 χ^2/NDF: 4060268.7/33

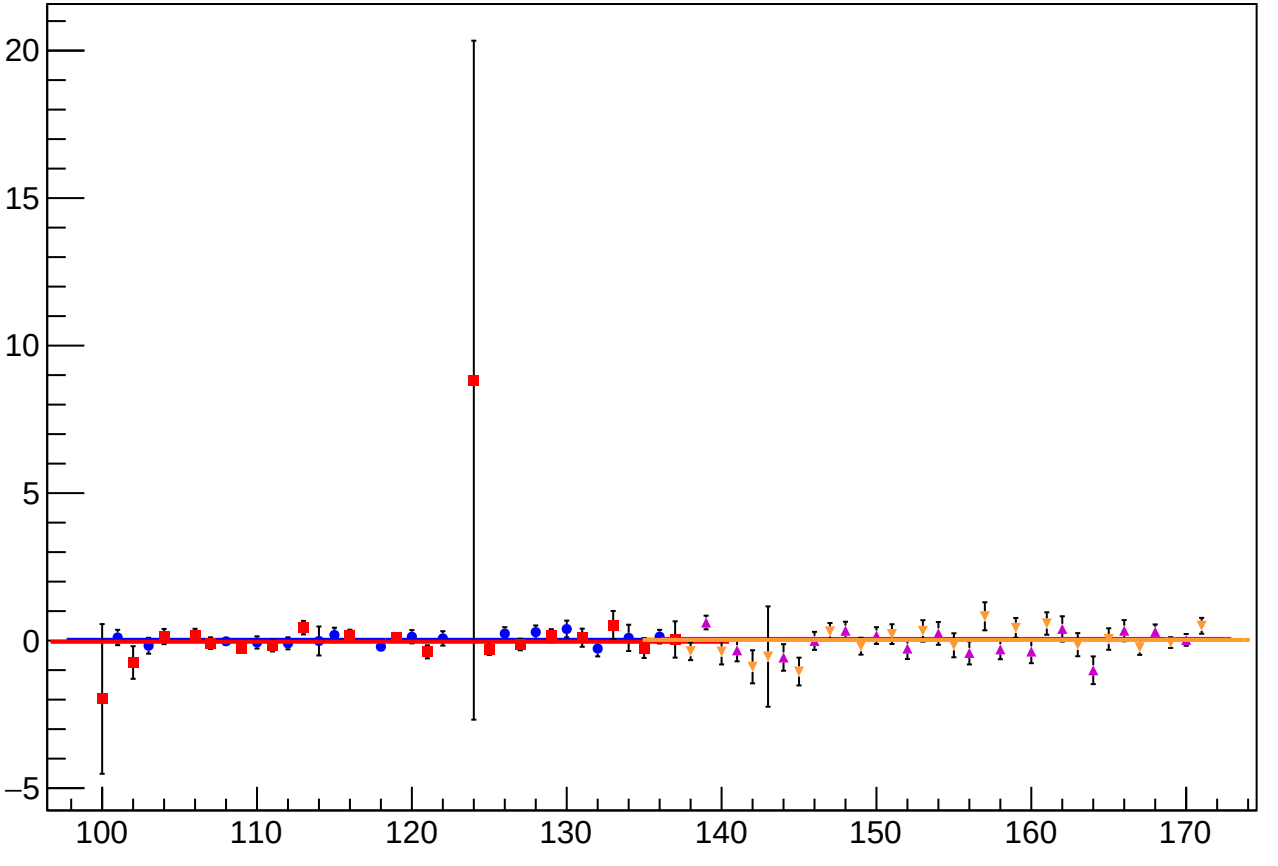
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052028.5/31

Out: 0.000+/-0.000 χ^2/NDF:4912872.7/36

All: 0.000+/-0.000 χ^2/NDF: 8337906.2/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

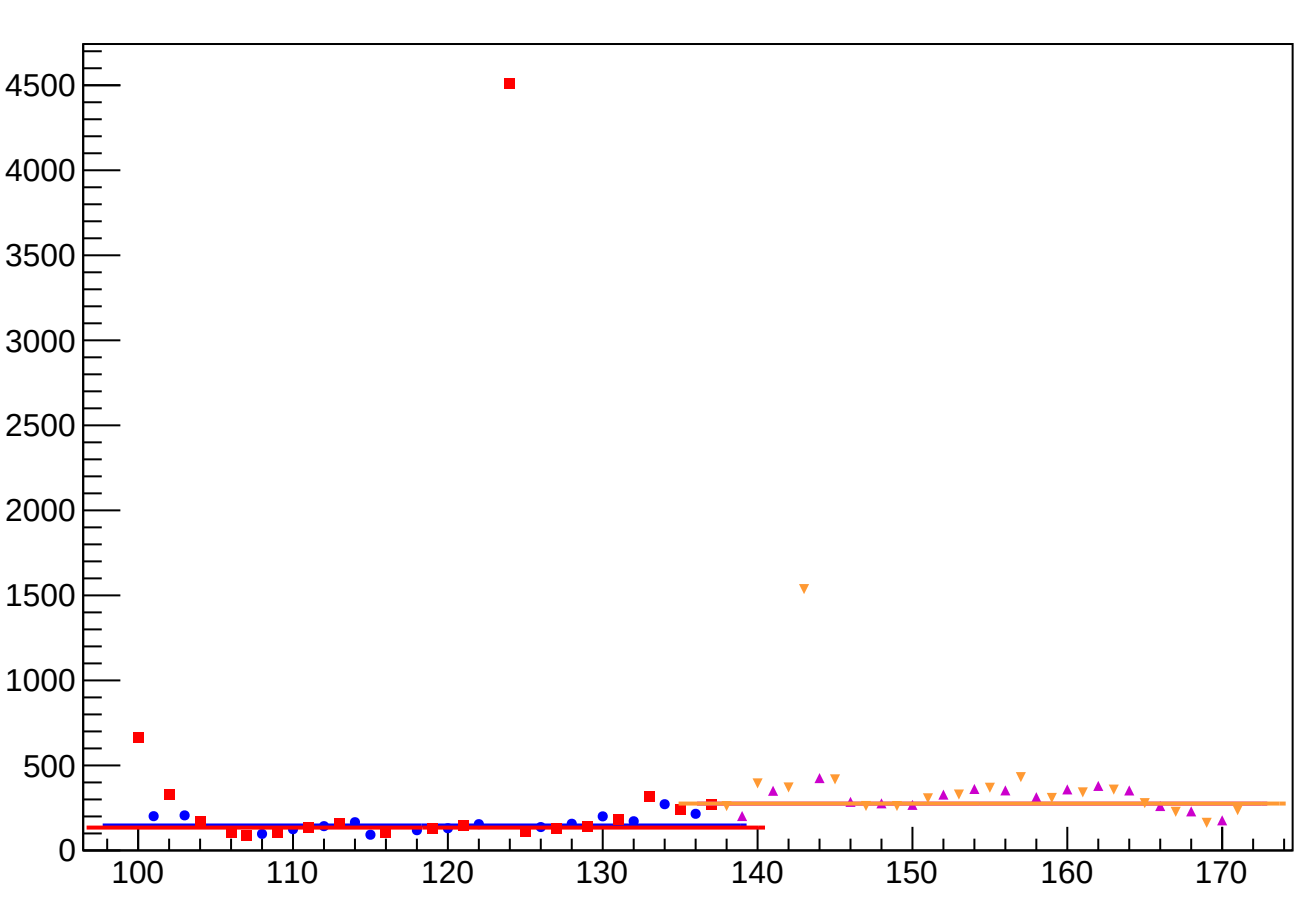
Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68



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: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 275.564+/-0.039 χ^2/NDF: 4503413.6/33

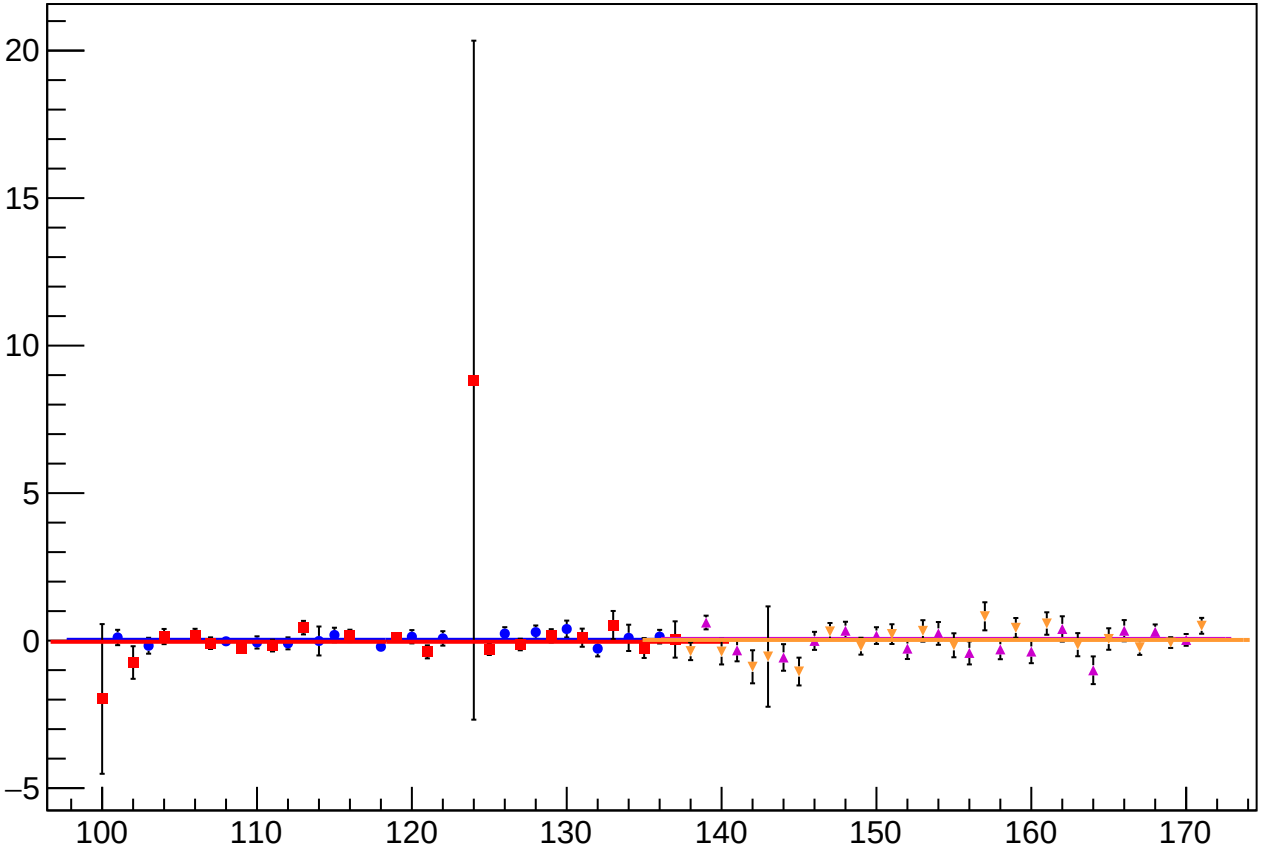
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

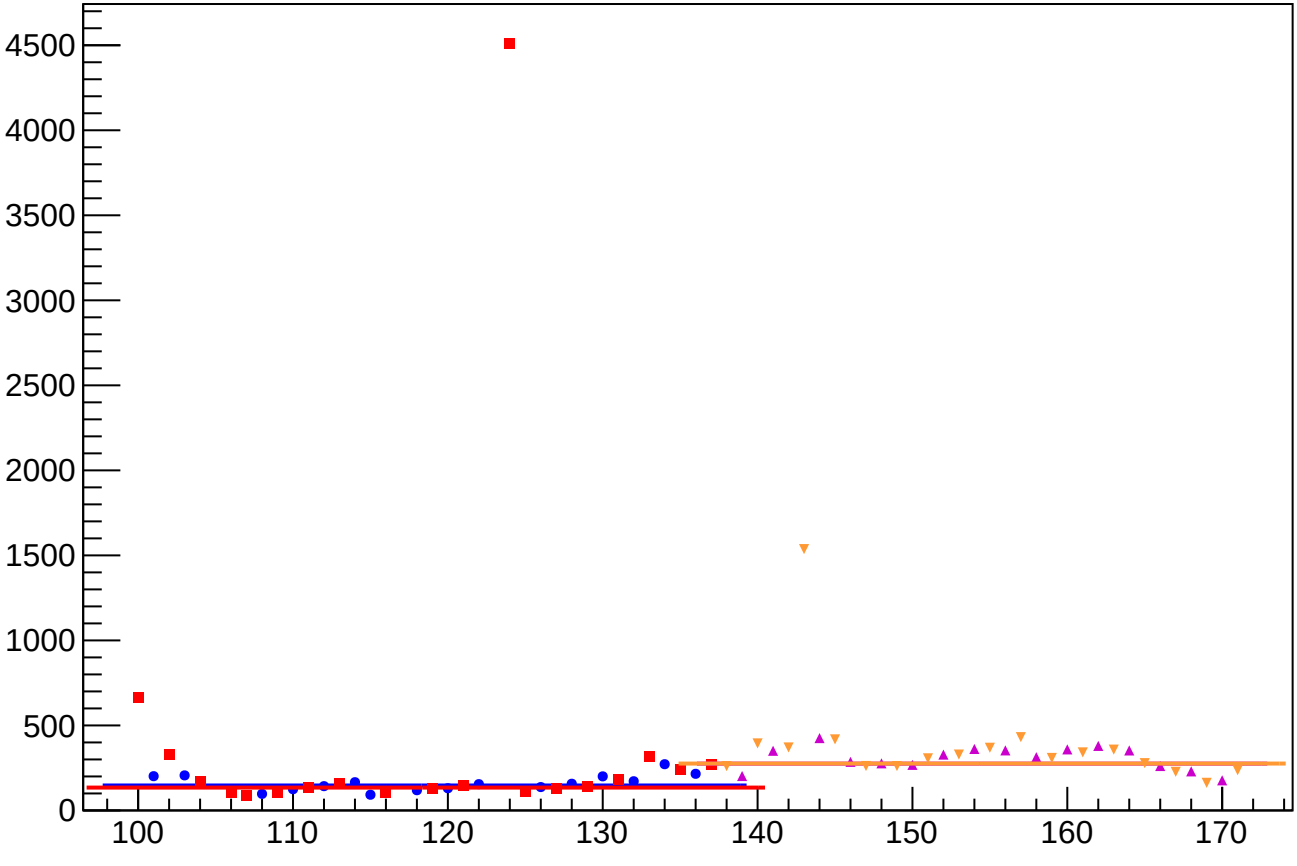
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.313+/-0.056 χ^2/NDF:1567652.8/15

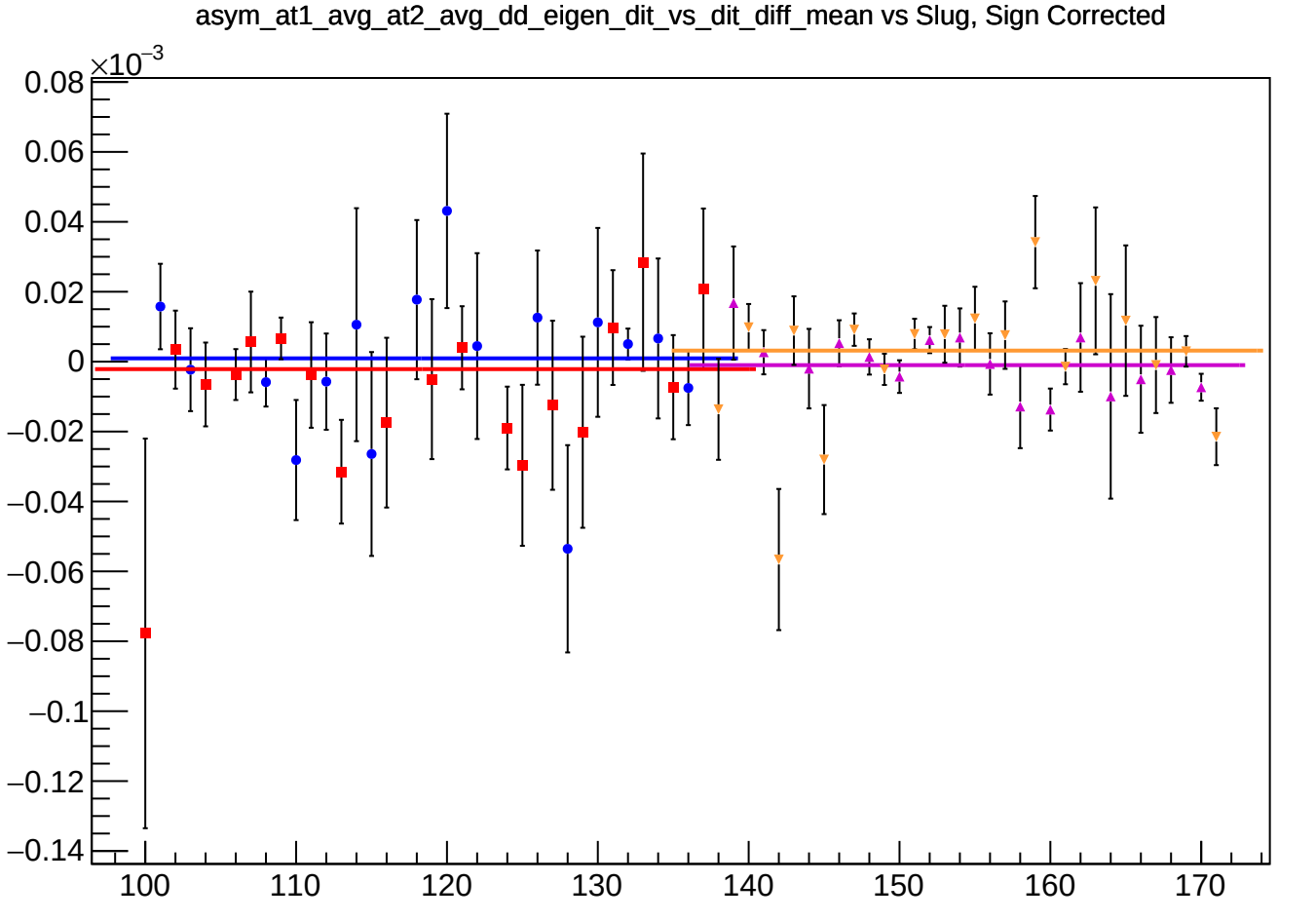
Left: 275.564+/-0.039 χ^2/NDF: 4503413.6/33

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68



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:16.4/15

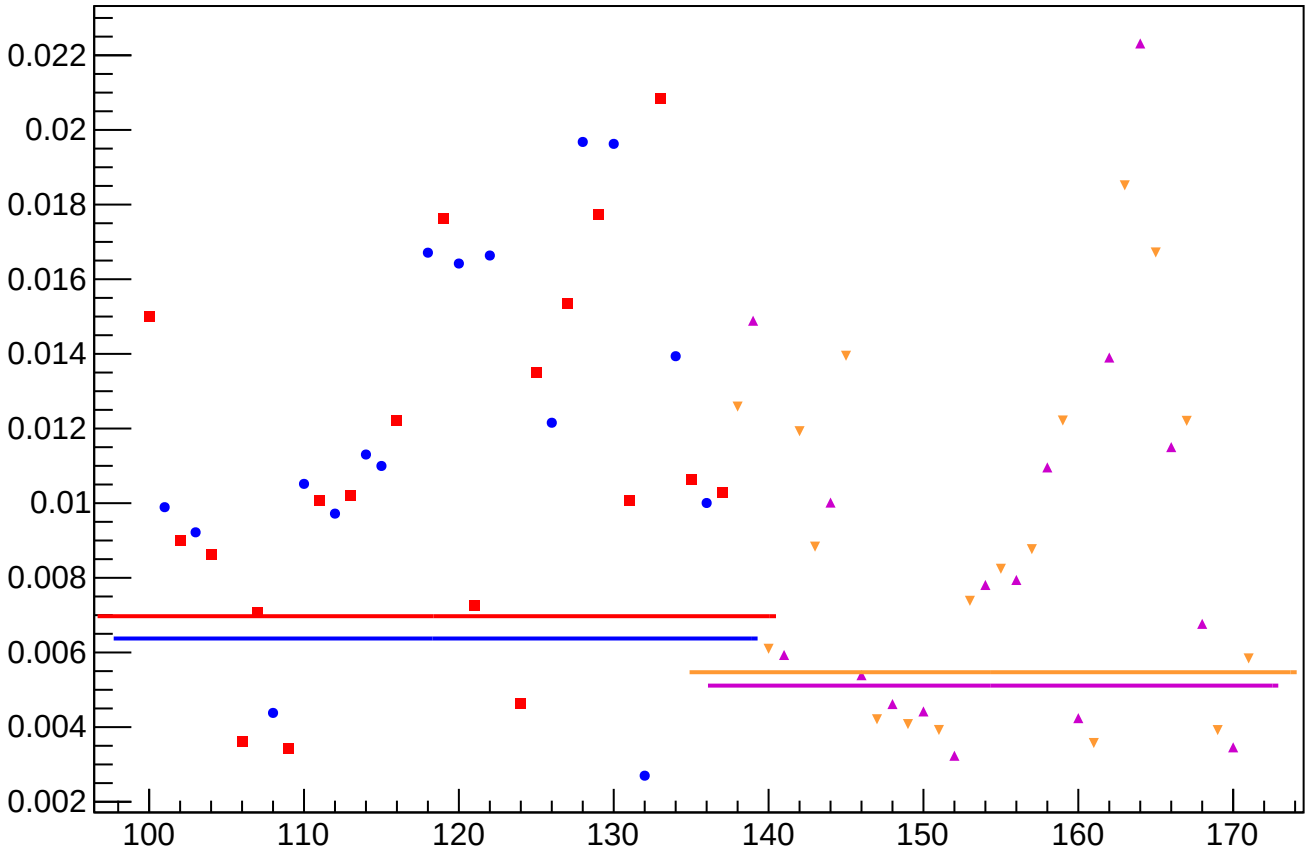
Left: 0.000+/-0.000 χ^2/NDF: 57.5/33

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:31.6/31

Out: 0.000+/-0.000 χ^2/NDF:56.4/36

All: 0.000+/-0.000 χ^2/NDF: 89.4/68



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:4760884.8/15

Left: 0.005+/-0.000 χ^2/NDF: 10324005.9/33

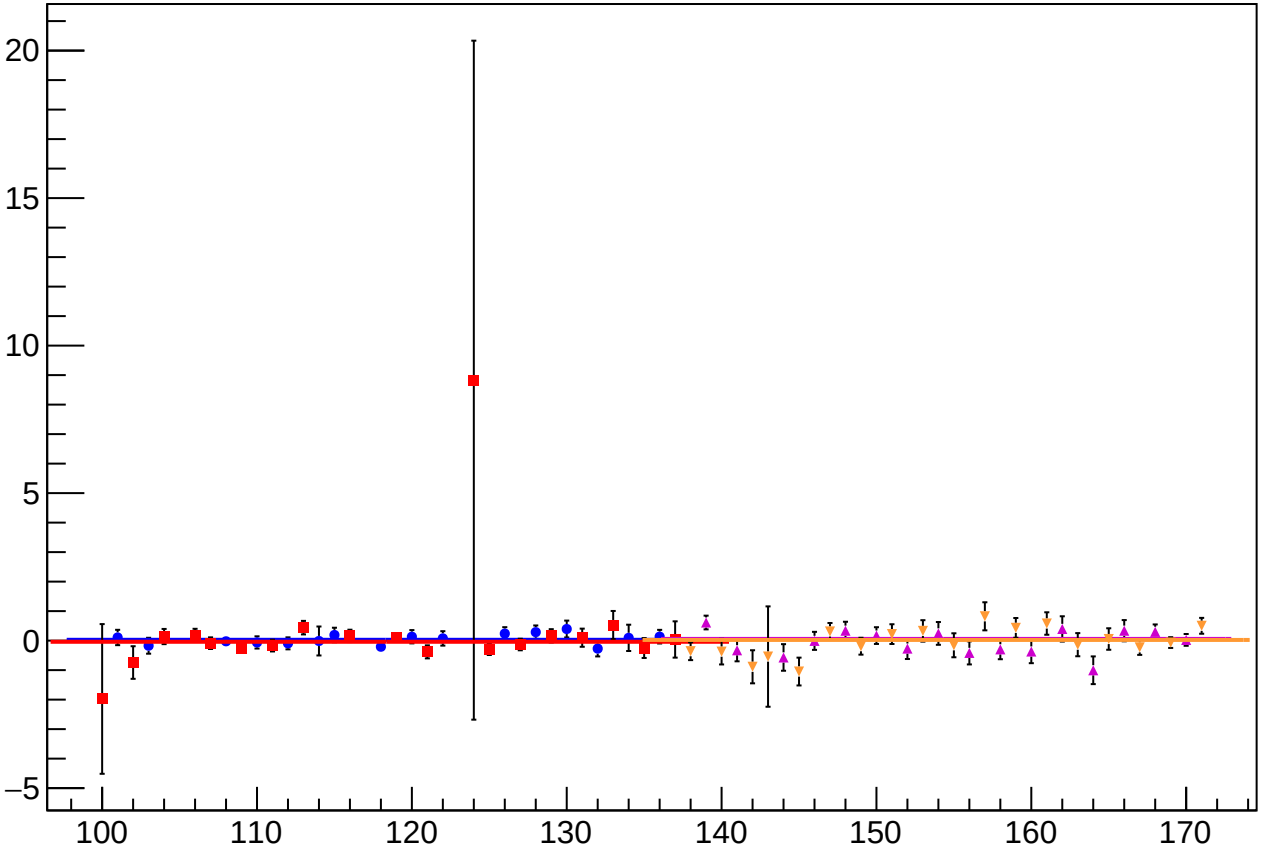
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9682821.9/31

Out: 0.006+/-0.000 χ^2/NDF:9304892.8/36

All: 0.006+/-0.000 χ^2/NDF: 19067544.1/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

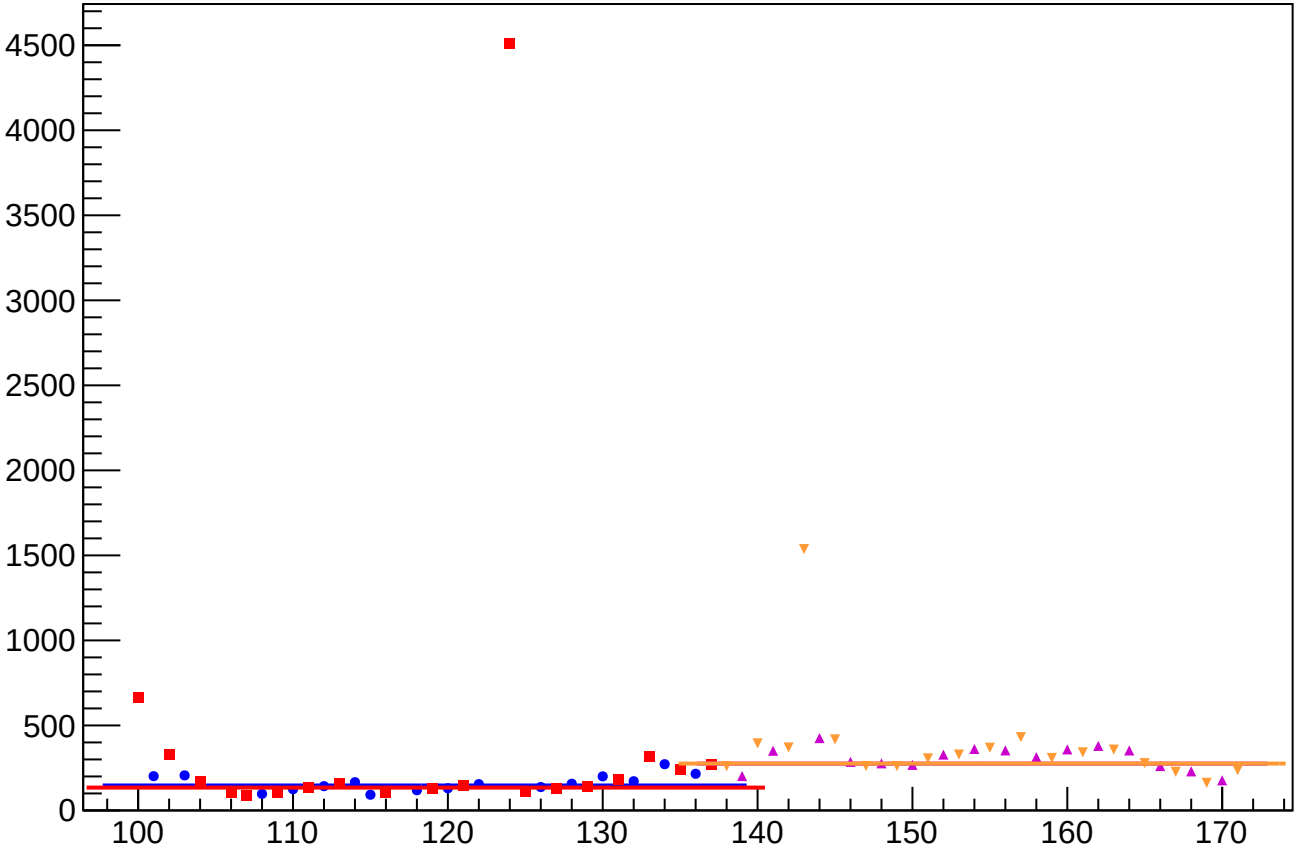
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.317+/-0.056 χ^2/NDF:1567670.2/15

Left: 275.566+/-0.039 χ^2/NDF: 4503535.3/33

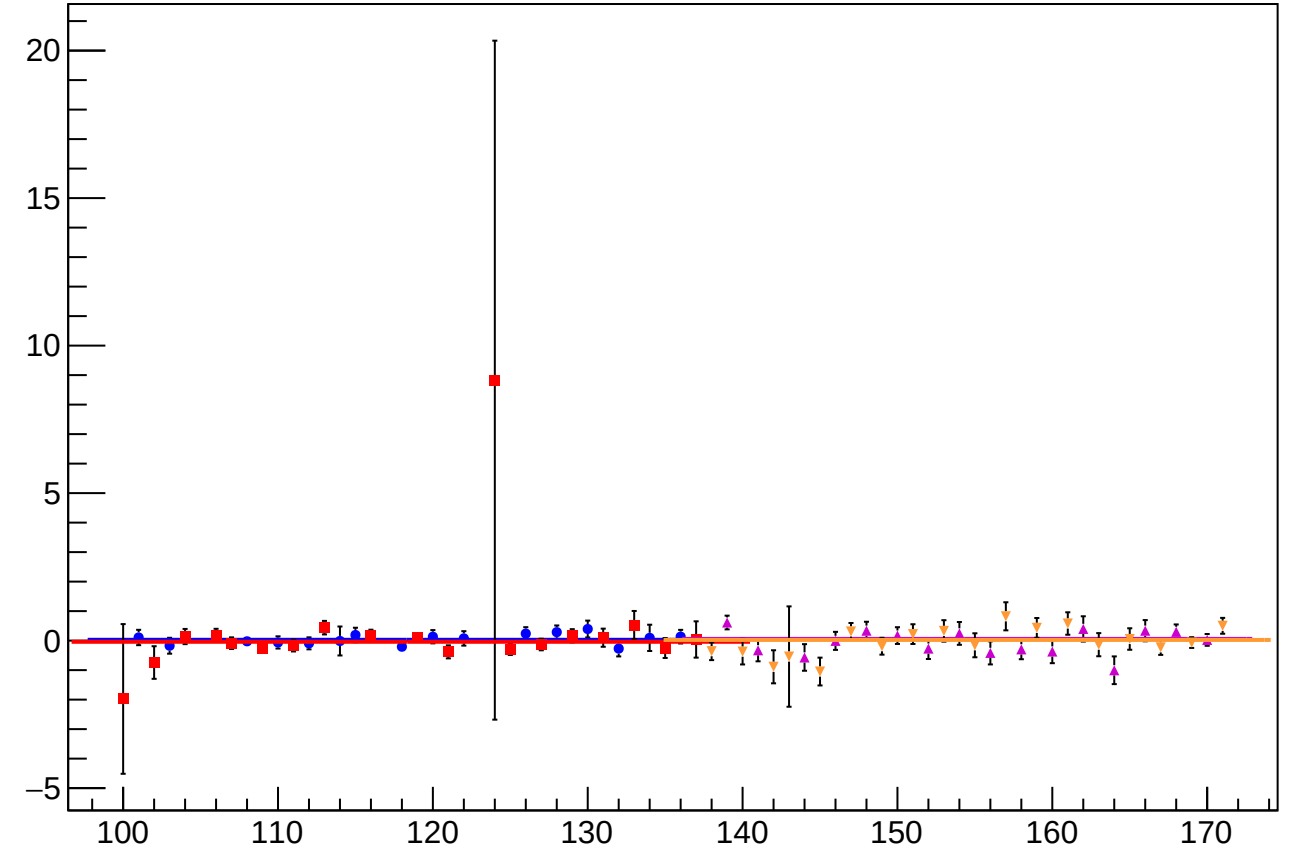
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

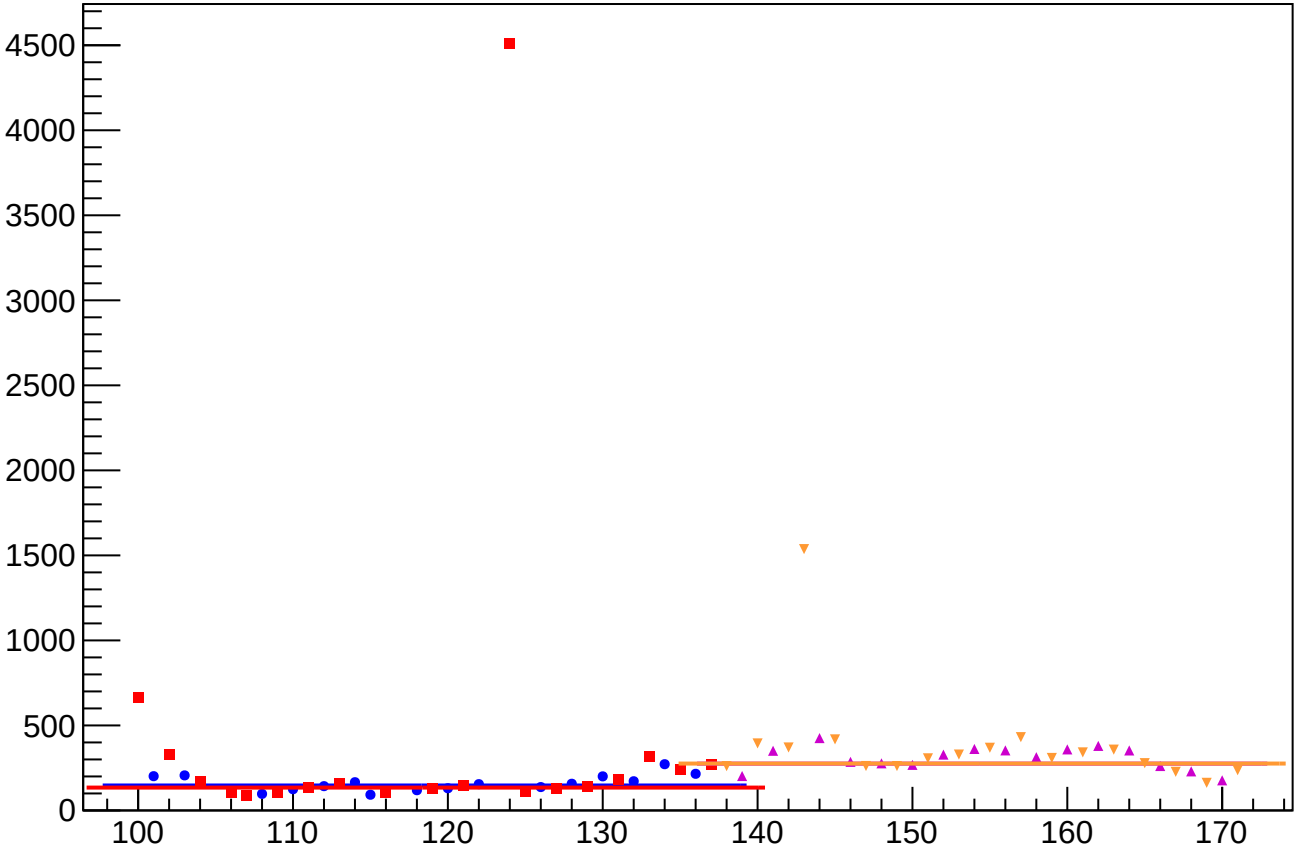
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.317+/-0.056 χ^2/NDF:1567670.2/15

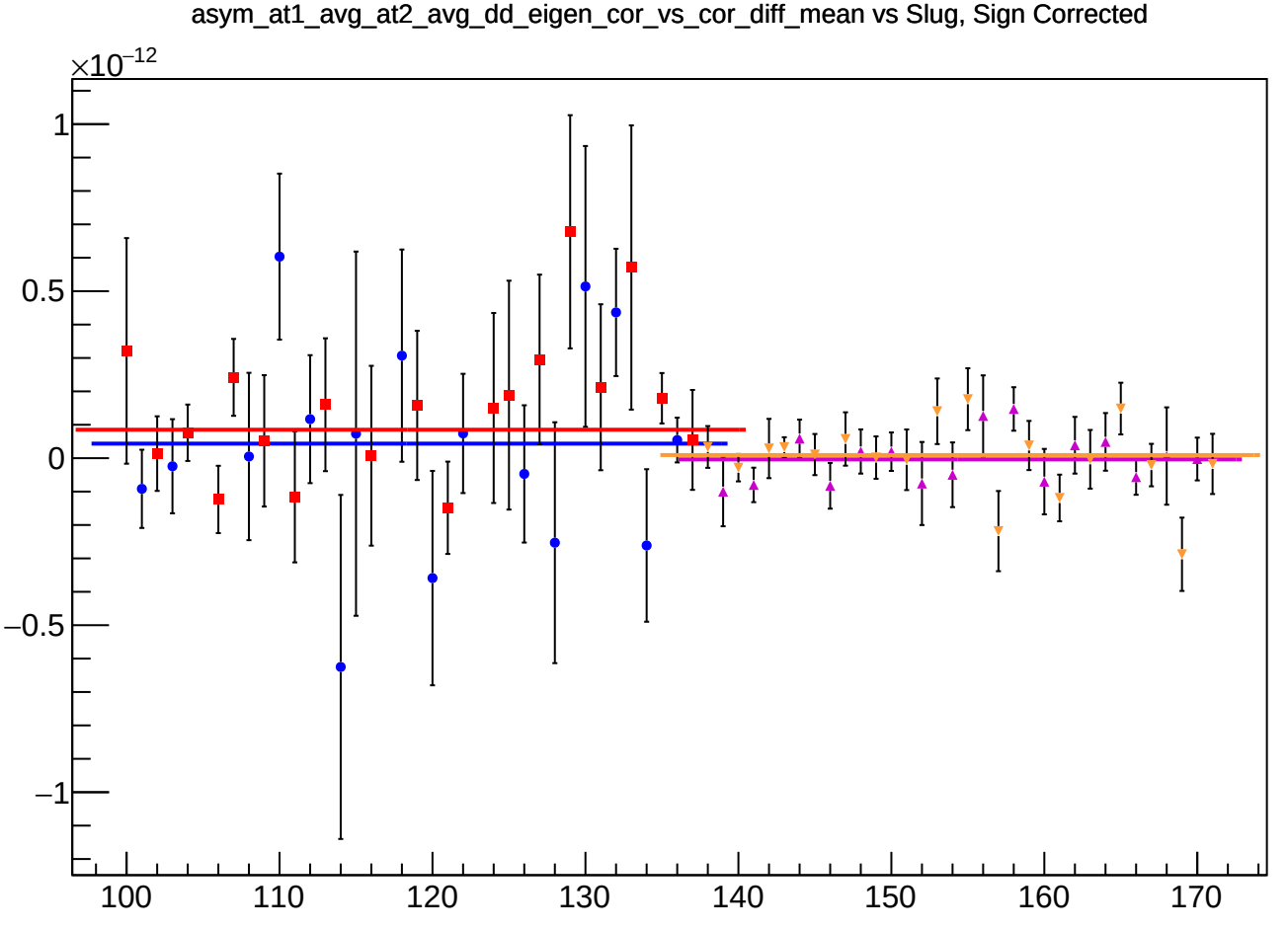
Left: 275.566+/-0.039 χ^2/NDF: 4503535.3/33

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68



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:15.1/15

Left: 0.000+/-0.000 χ^2/NDF: 40.5/33

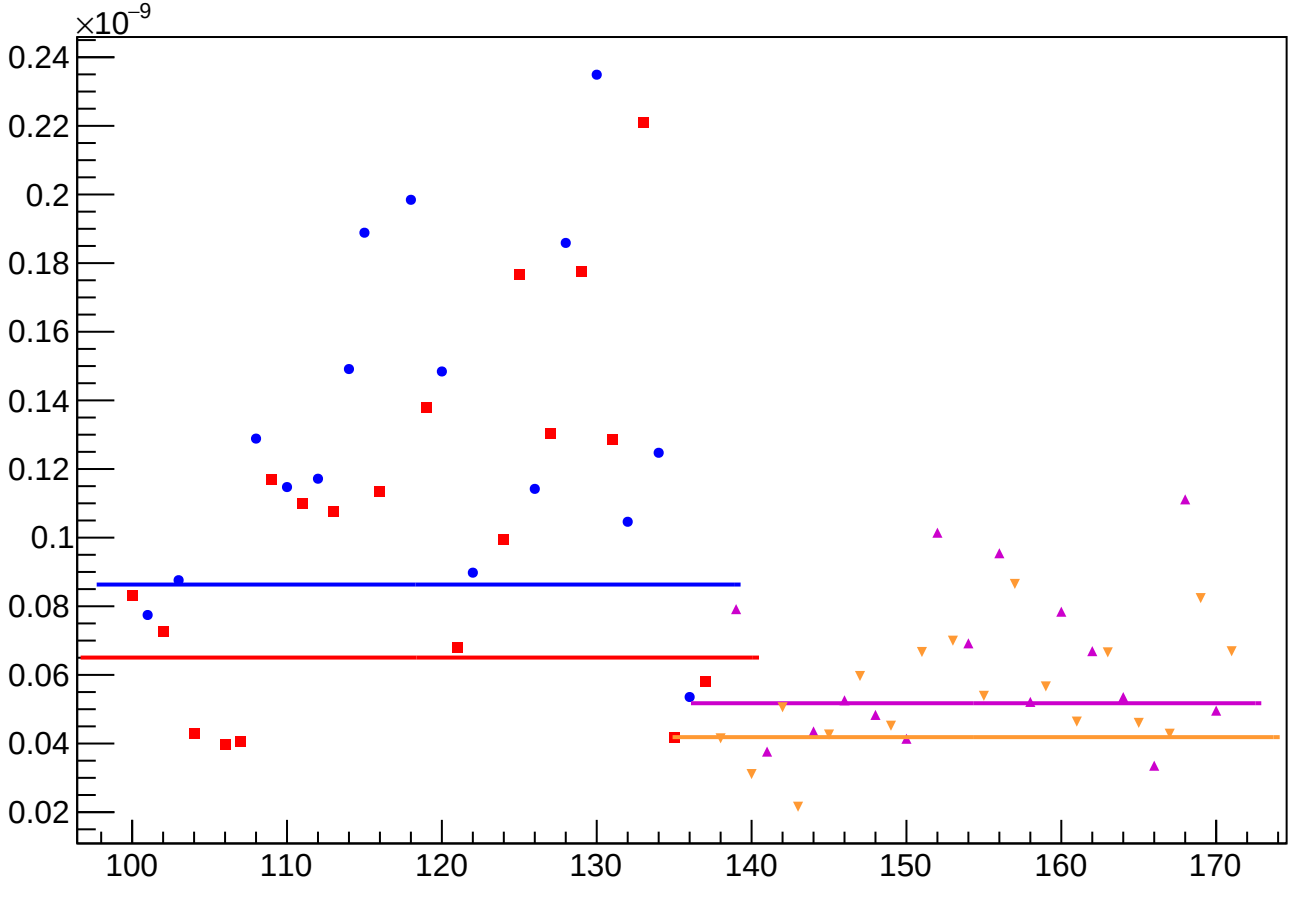
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 83.2/68

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:1829490.2/15

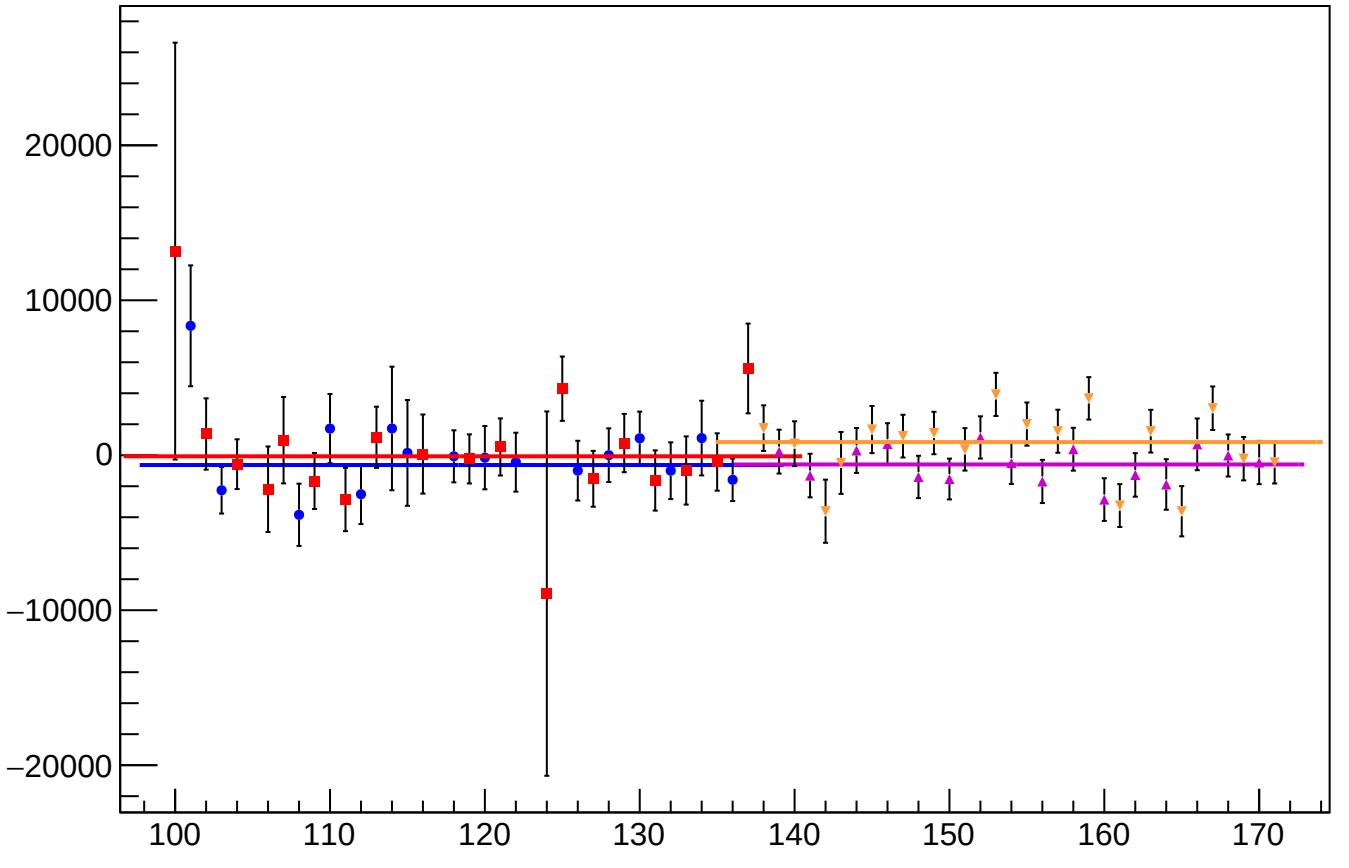
Left: 0.000+/-0.000 χ^2/NDF: 4680335.8/33

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4504215.3/31

Out: 0.000+/-0.000 χ^2/NDF:5428790.5/36

All: 0.000+/-0.000 χ^2/NDF: 10479966.1/68



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: -594.475+/-351.364 χ^2/NDF:9.9/15

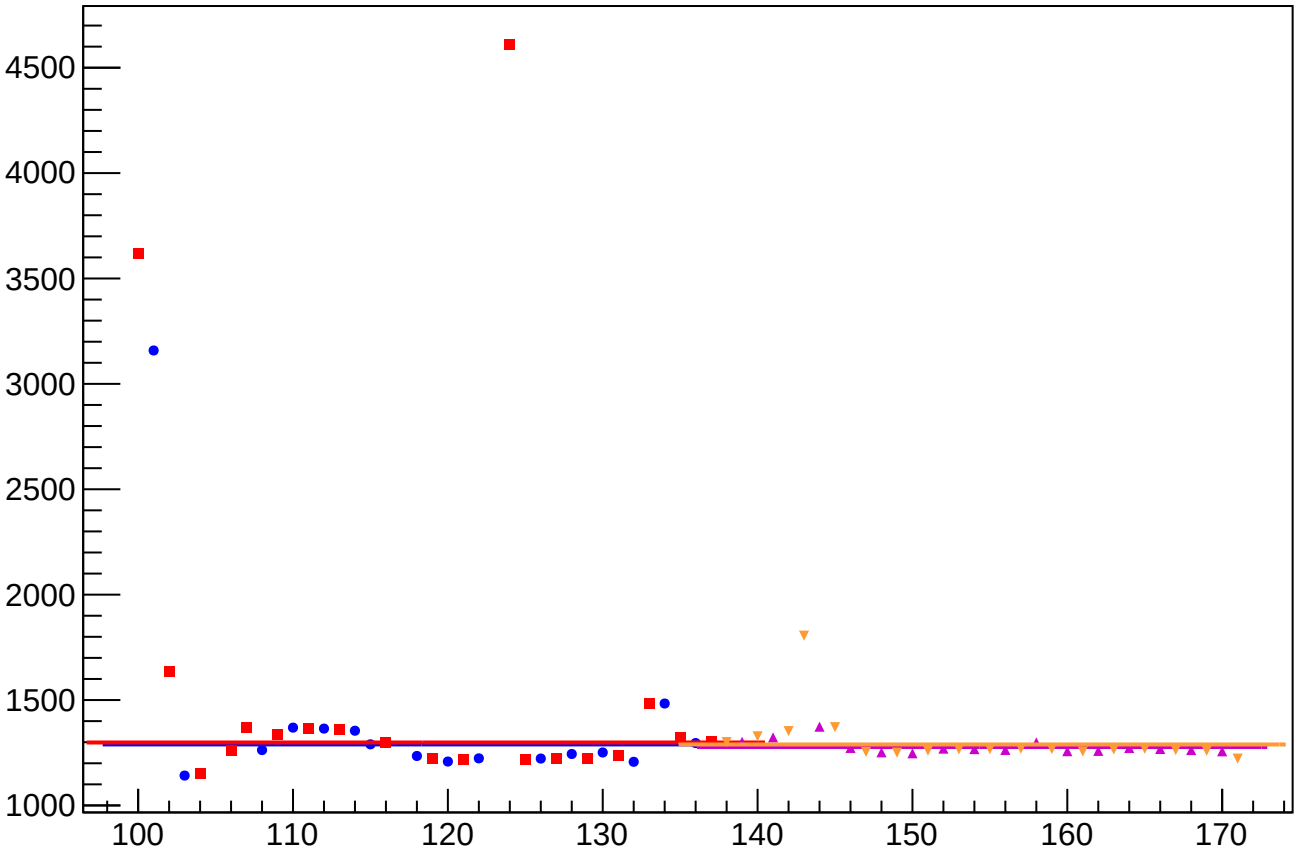
Left: 146.314+/-245.203 χ^2/NDF: 55.5/33

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -606.937+/-285.275 χ^2/NDF:23.9/31

Out: 546.856+/-280.216 χ^2/NDF:55.2/36

All: -19.720+/-199.907 χ^2/NDF: 87.3/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

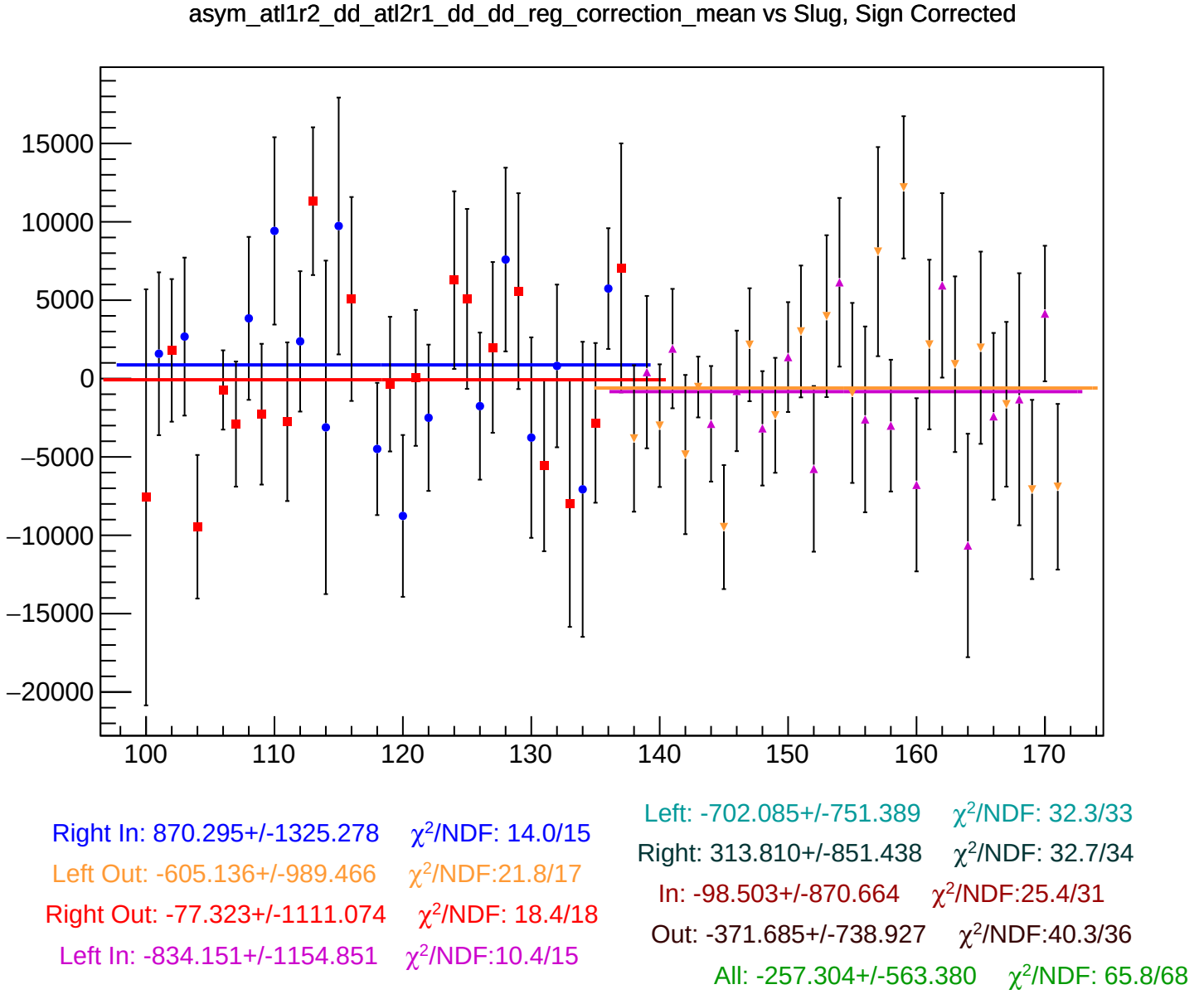
Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

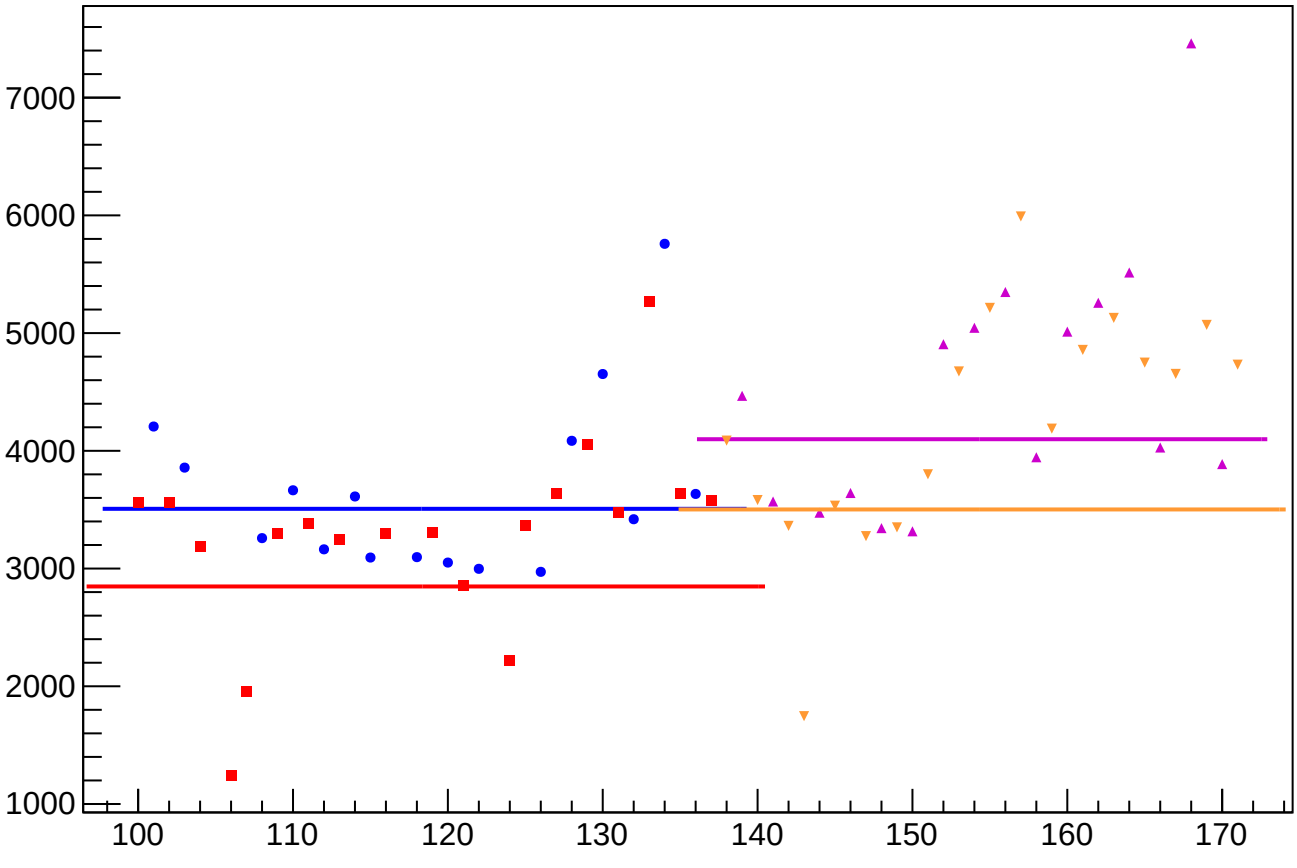
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1281.407+/-0.202 χ^2/NDF:531162.9/31

Out: 1292.337+/-0.198 χ^2/NDF:477024.2/36

All: 1286.974+/-0.141 χ^2/NDF: 1009682.7/68


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -605.136+/-989.466 χ²/NDF:21.8/17
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -834.151+/-1154.851 χ²/NDF:10.4/15
Left: -702.085+/-751.389 χ²/NDF: 32.3/33
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: -98.503+/-870.664 χ²/NDF:25.4/31
Out: -371.685+/-738.927 χ²/NDF:40.3/36
All: -257.304+/-563.380 χ²/NDF: 65.8/68



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: 4098.636+/-0.817 χ^2/NDF:1087016.1/15

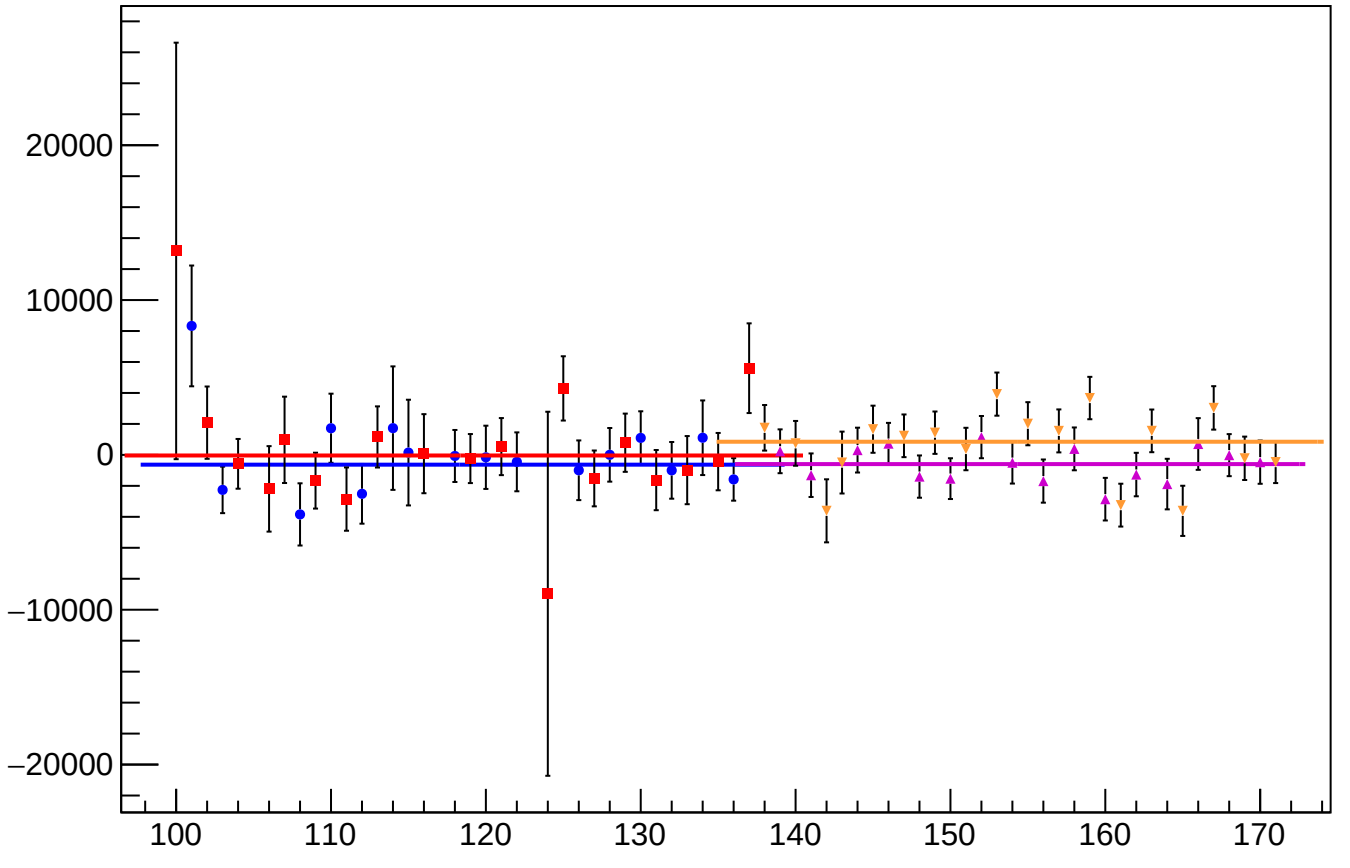
Left: 3754.570+/-0.531 χ^2/NDF: 4425535.3/33

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3843.454+/-0.616 χ^2/NDF:1667247.0/31

Out: 3212.659+/-0.523 χ^2/NDF:4916693.7/36

All: 3476.772+/-0.398 χ^2/NDF: 7194188.4/68



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: -594.460+/-351.364 χ^2/NDF:9.9/15

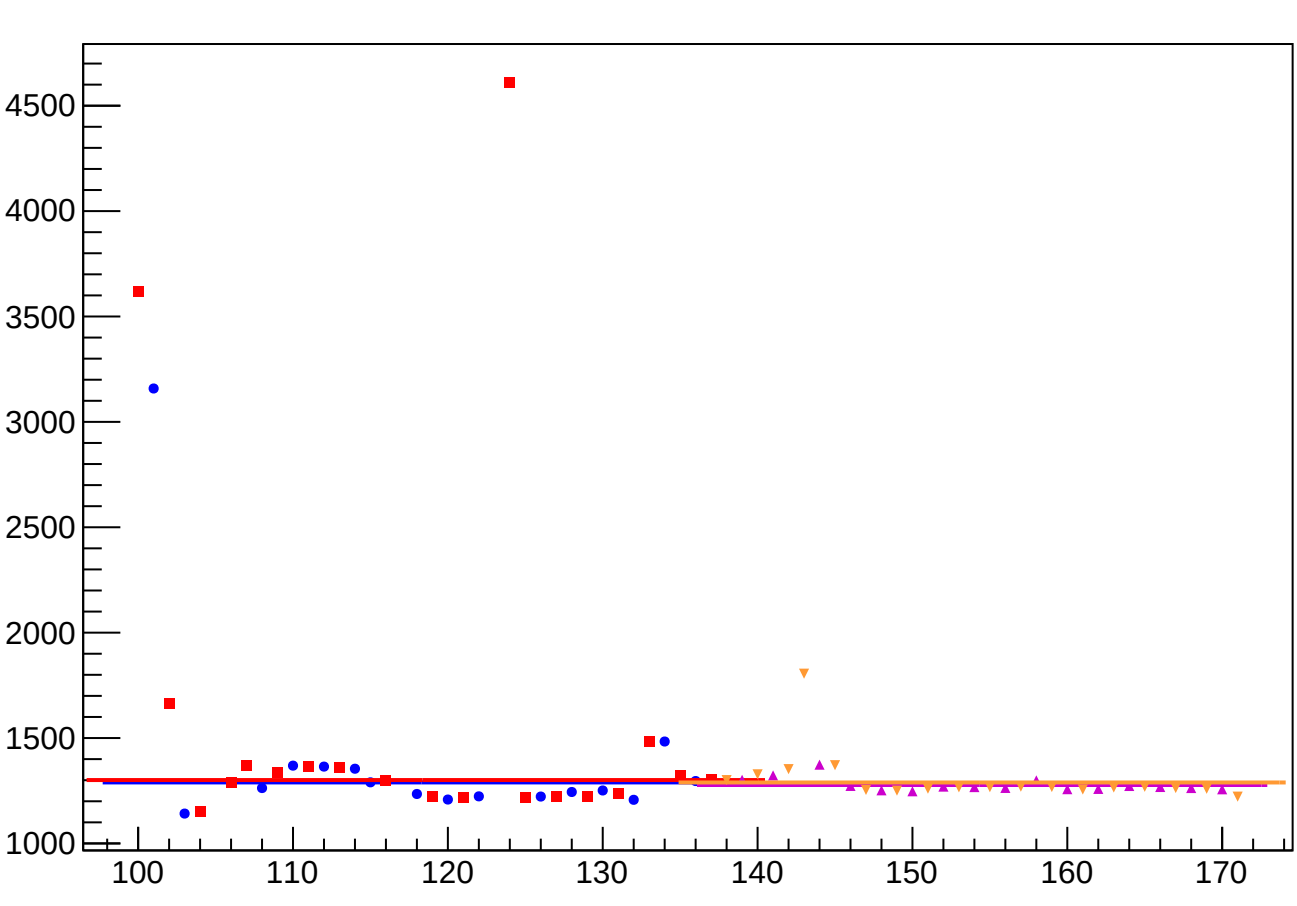
Left: 146.339+/-245.203 χ^2/NDF: 55.5/33

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -14.888+/-199.930 χ^2/NDF: 87.8/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

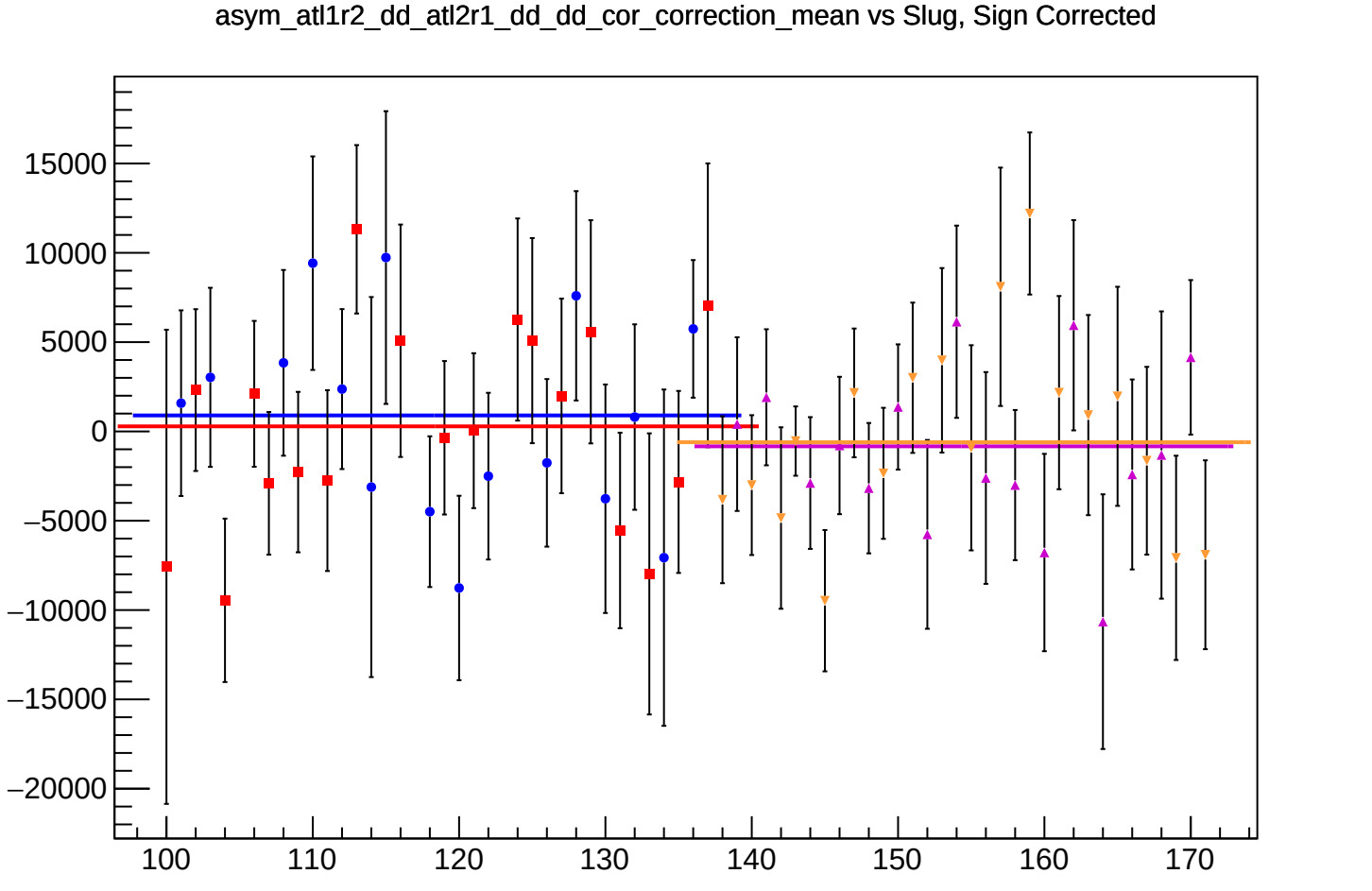
Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68



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: -834.195+/-1154.849 χ^2/NDF:10.4/15

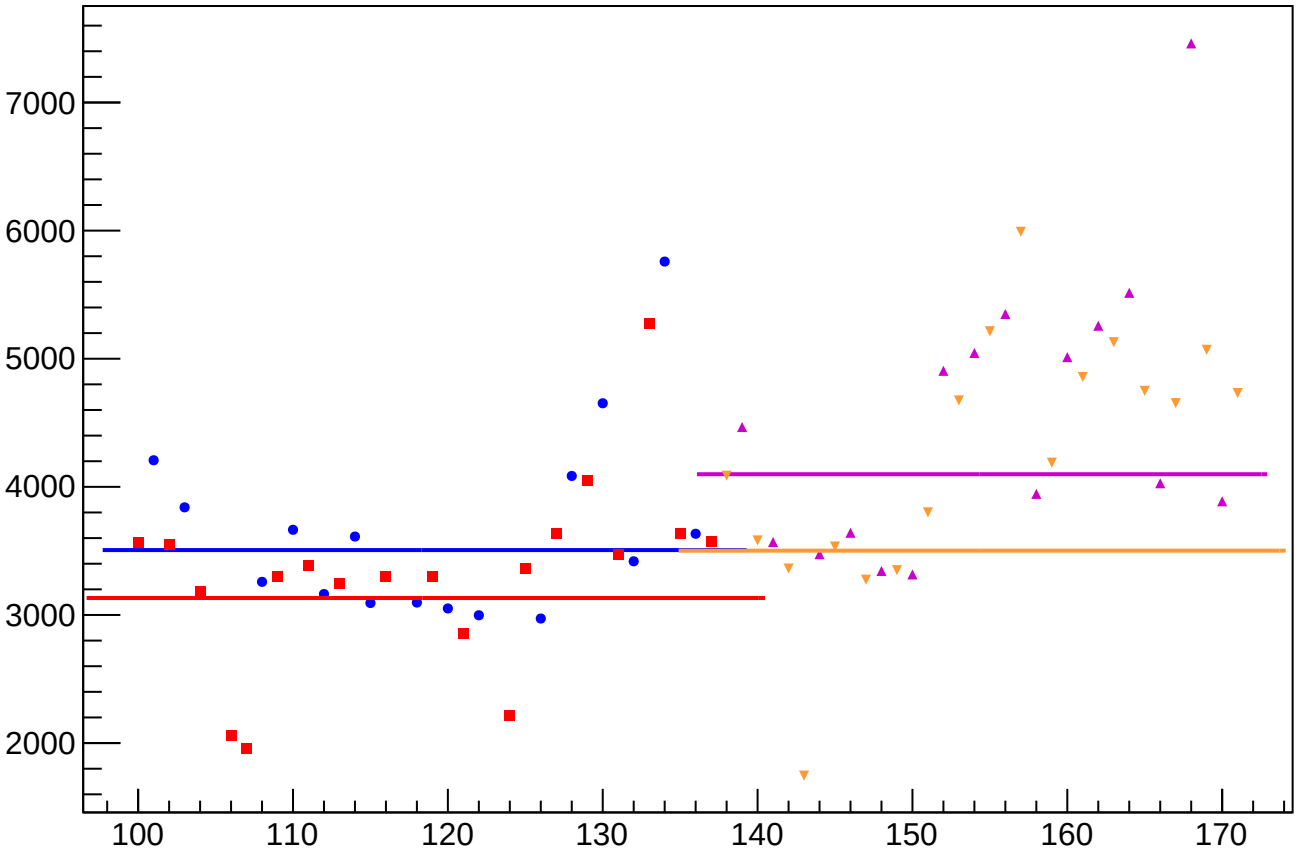
Left: -702.051+/-751.388 χ^2/NDF: 32.3/33

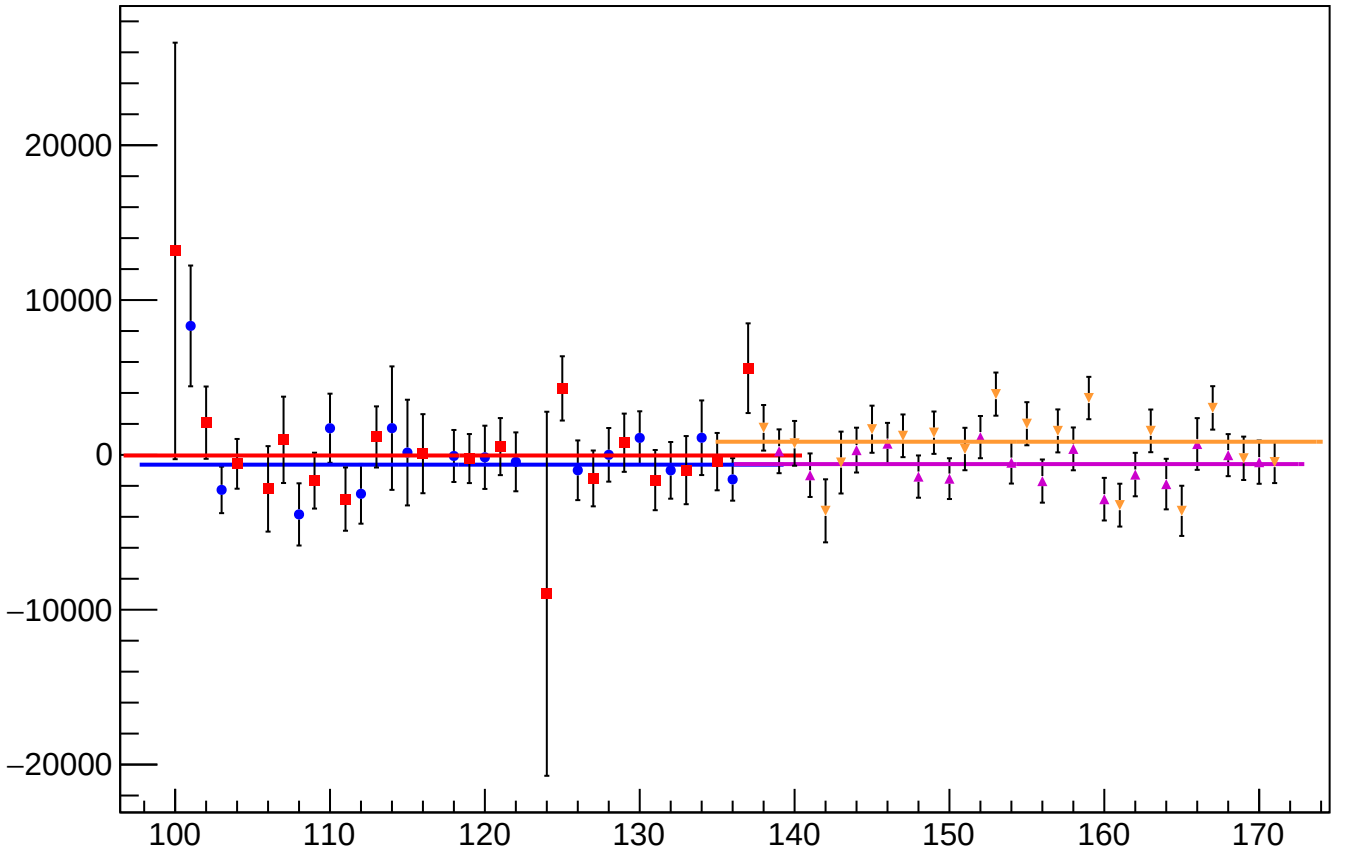
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -173.512+/-572.101 χ^2/NDF: 66.3/68


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3506.484+/-0.937 χ²/NDF: 353237.7/15
Left Out: 3501.985+/-0.700 χ²/NDF:3030703.1/17
Right Out: 3132.586+/-0.837 χ²/NDF: 649611.1/18
Left In: 4098.631+/-0.817 χ²/NDF:1087017.8/15
Left: 3754.562+/-0.531 χ²/NDF: 4425573.0/33
Right: 3298.485+/-0.624 χ²/NDF: 1091468.2/34
In: 3842.958+/-0.616 χ²/NDF:1667291.6/31
Out: 3349.960+/-0.537 χ²/NDF:3795033.7/36
All: 3562.881+/-0.405 χ²/NDF: 5826726.0/68



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: -594.460+/-351.364 χ^2/NDF:9.9/15

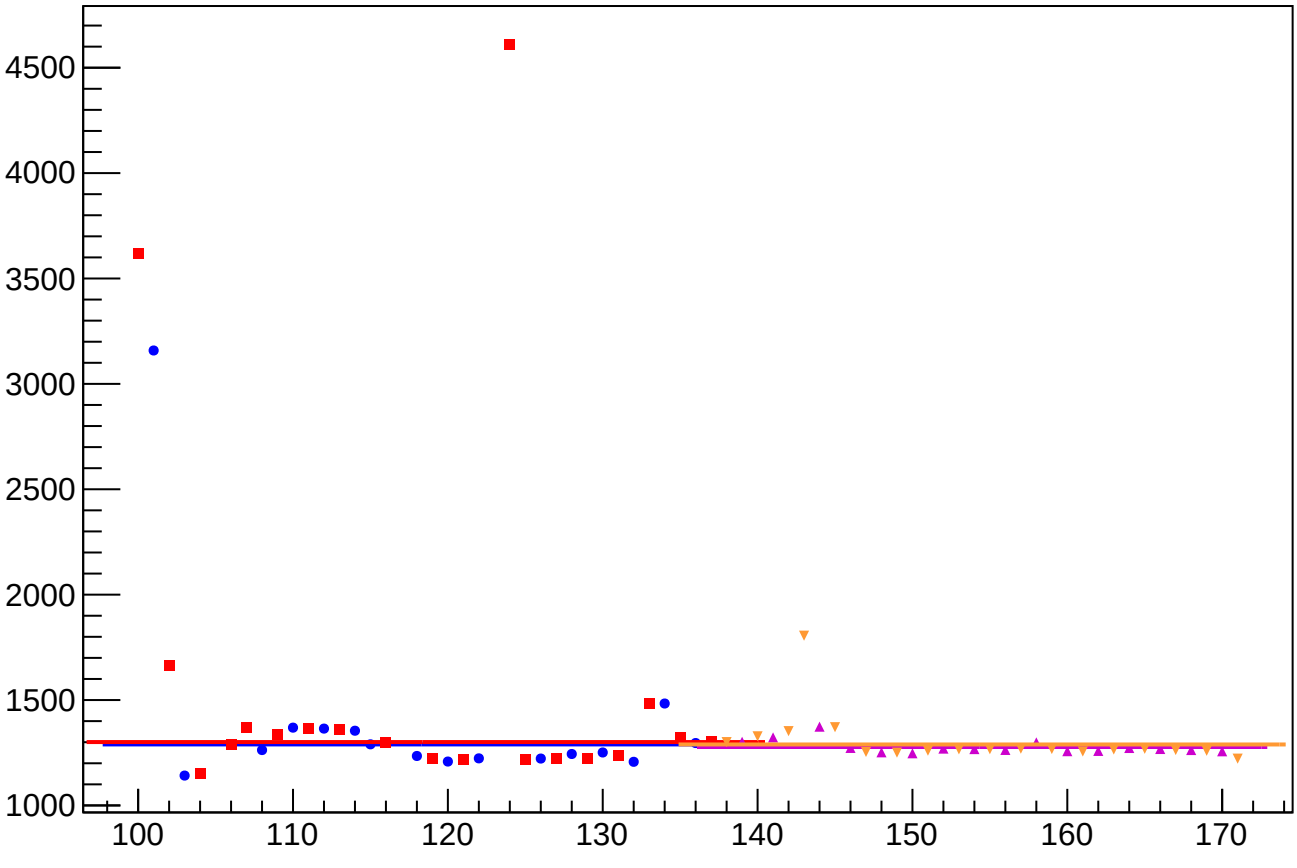
Left: 146.339+/-245.203 χ^2/NDF: 55.5/33

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -607.059+/-285.275 χ^2/NDF:23.8/31

Out: 556.717+/-280.278 χ^2/NDF:55.5/36

All: -14.888+/-199.930 χ^2/NDF: 87.8/68



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: 1277.240+/-0.248 χ^2/NDF:15662.6/15

Left: 1283.379+/-0.173 χ^2/NDF: 173997.7/33

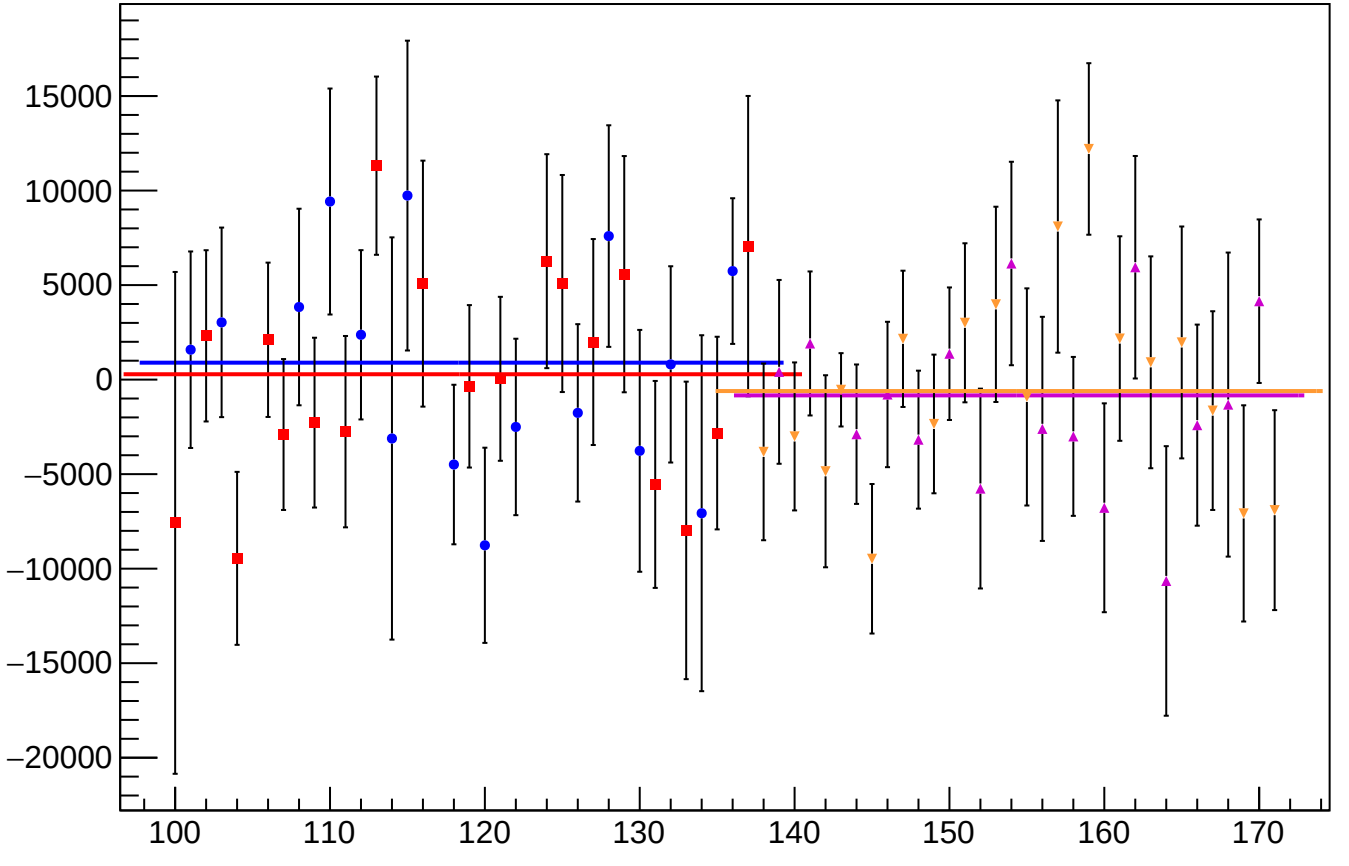
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1281.407+/-0.202 χ^2/NDF:531164.4/31

Out: 1293.002+/-0.198 χ^2/NDF:483795.5/36

All: 1287.310+/-0.141 χ^2/NDF: 1016642.0/68

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: -834.195+/-1154.849 χ^2/NDF:10.4/15

Left: -702.051+/-751.388 χ^2/NDF: 32.3/33

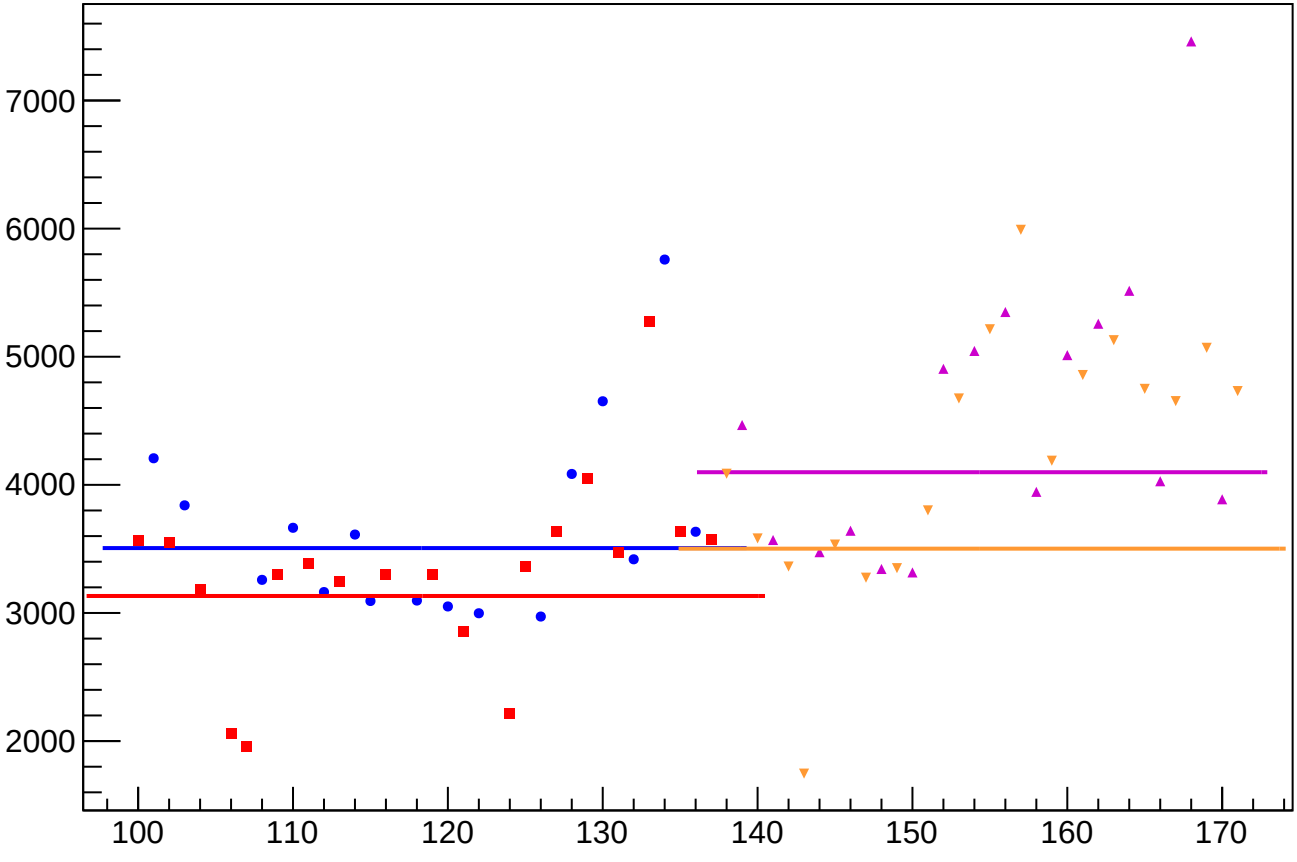
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: -87.135+/-870.534 χ^2/NDF:25.5/31

Out: -239.179+/-759.026 χ^2/NDF:40.8/36

All: -173.512+/-572.101 χ^2/NDF: 66.3/68

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: 4098.631+/-0.817 χ^2/NDF:1087017.8/15

Left: 3754.562+/-0.531 χ^2/NDF: 4425573.0/33

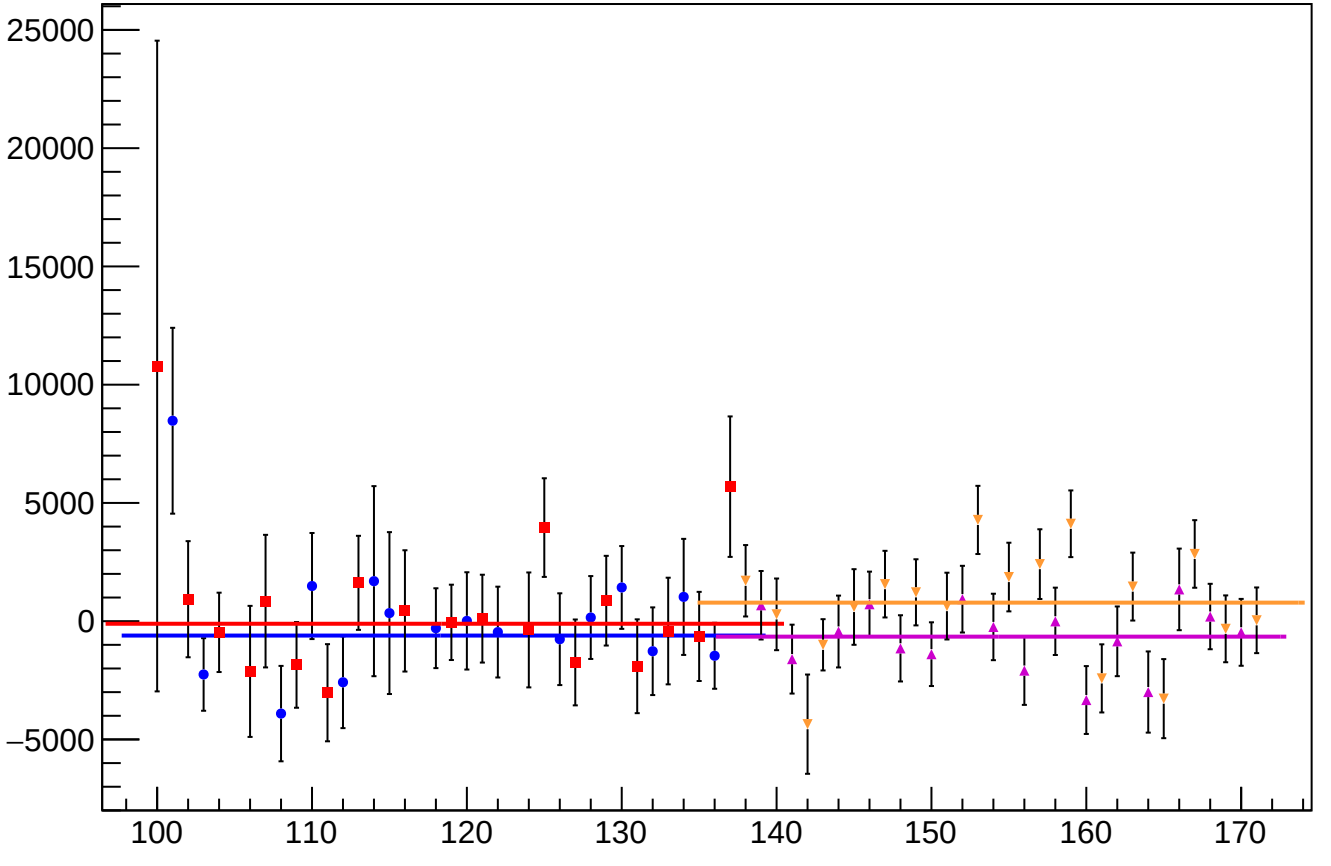
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3842.958+/-0.616 χ^2/NDF:1667291.6/31

Out: 3349.960+/-0.537 χ^2/NDF:3795033.7/36

All: 3562.881+/-0.405 χ^2/NDF: 5826726.0/68

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: -653.590+/-362.908 χ^2/NDF:12.3/15

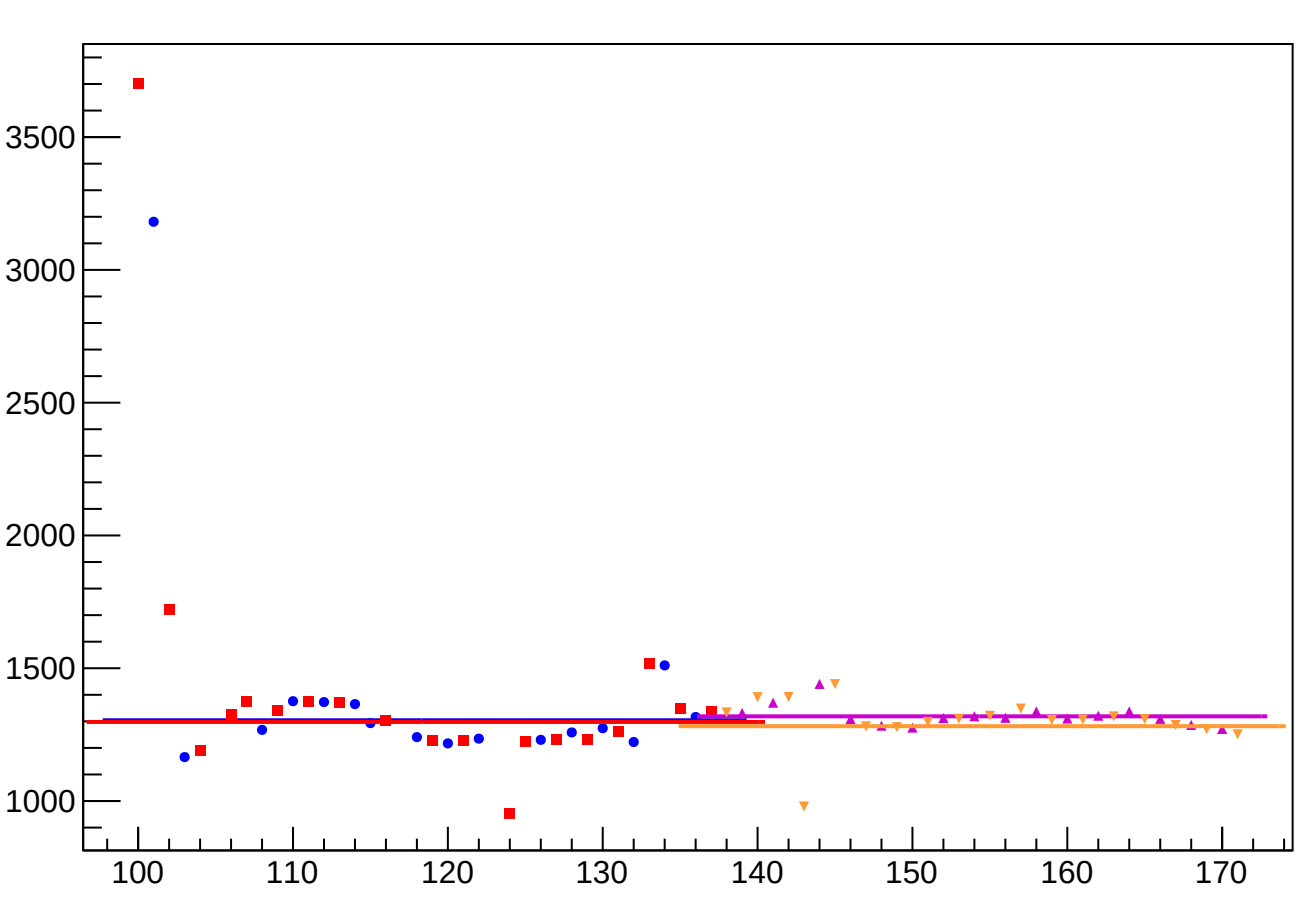
Left: 110.688+/-248.392 χ^2/NDF: 57.6/33

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -637.558+/-292.507 χ^2/NDF:26.5/31

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -47.082+/-201.849 χ^2/NDF: 88.3/68



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: 1318.907+/-0.257 χ^2/NDF:23031.0/15

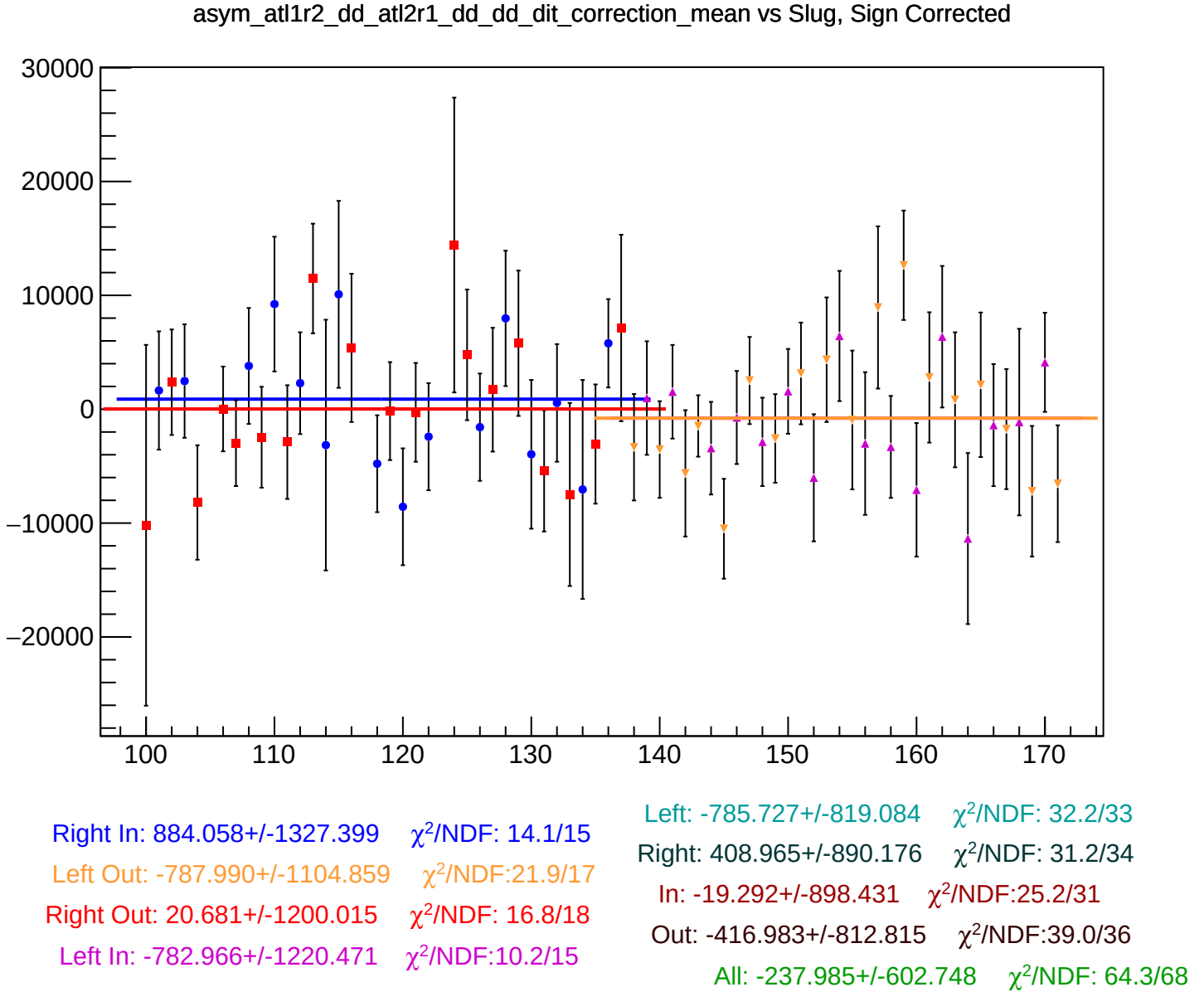
Left: 1299.173+/-0.176 χ^2/NDF: 238432.8/33

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

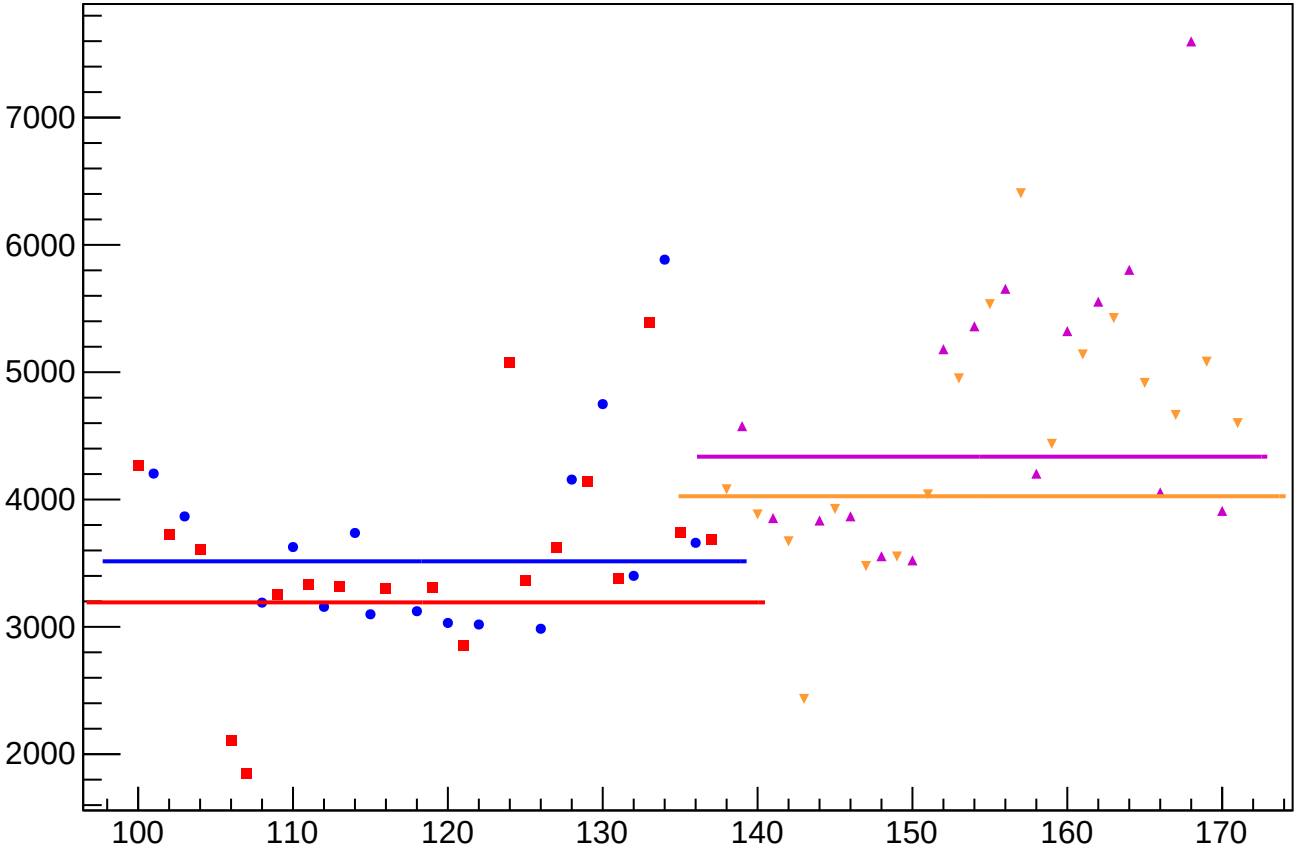
In: 1313.720+/-0.207 χ^2/NDF:534786.4/31

Out: 1287.070+/-0.197 χ^2/NDF:418833.0/36

All: 1299.757+/-0.143 χ^2/NDF: 962317.5/68


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.058+/-1327.399 χ²/NDF: 14.1/15
Left Out: -787.990+/-1104.859 χ²/NDF:21.9/17
Right Out: 20.681+/-1200.015 χ²/NDF: 16.8/18
Left In: -782.966+/-1220.471 χ²/NDF:10.2/15
Left: -785.727+/-819.084 χ²/NDF: 32.2/33
Right: 408.965+/-890.176 χ²/NDF: 31.2/34
In: -19.292+/-898.431 χ²/NDF:25.2/31
Out: -416.983+/-812.815 χ²/NDF:39.0/36
All: -237.985+/-602.748 χ²/NDF: 64.3/68

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4025.912+/-0.781 χ^2/NDF:1545161.3/17

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4336.689+/-0.863 χ^2/NDF:1017162.9/15

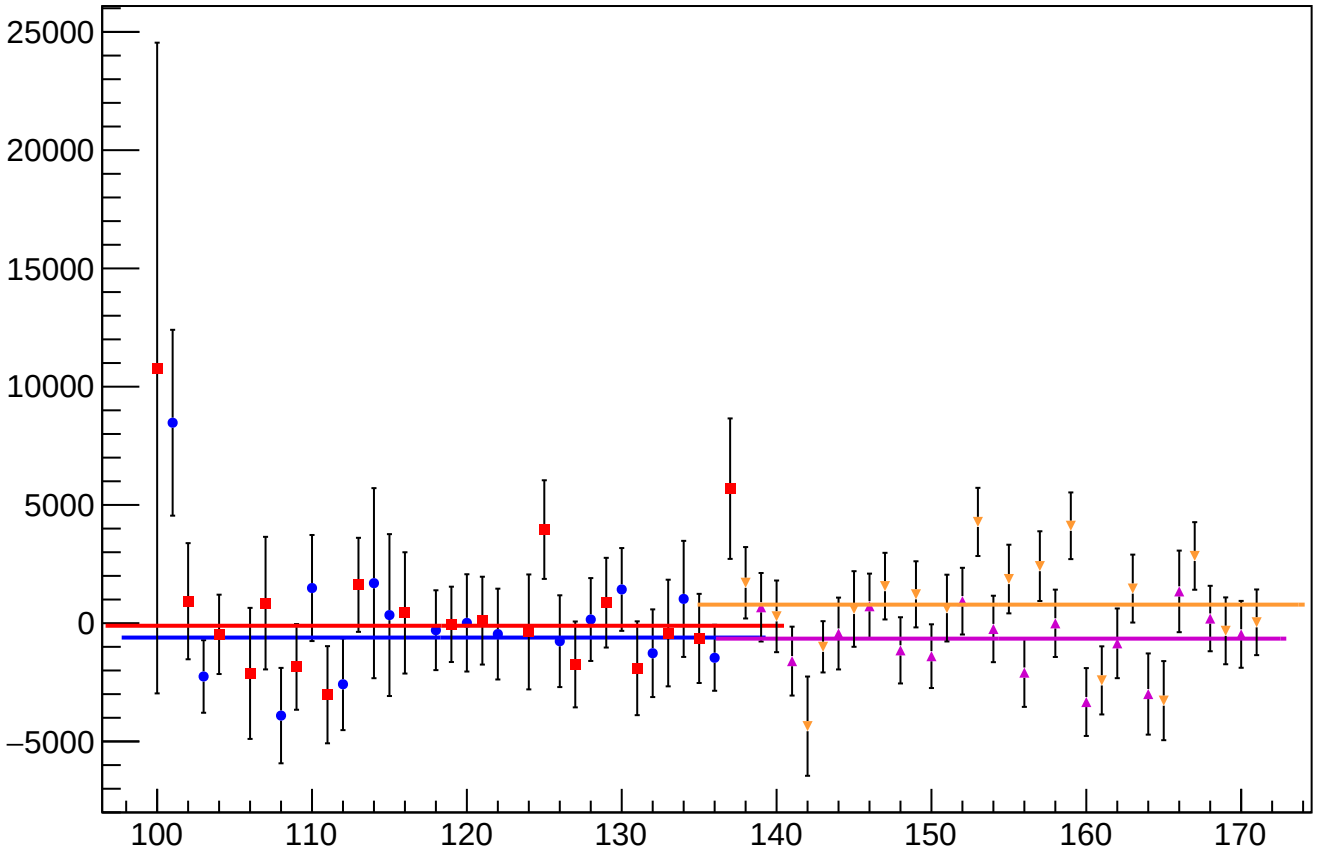
Left: 4165.887+/-0.579 χ^2/NDF: 2633595.6/33

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3960.152+/-0.635 χ^2/NDF:1807793.2/31

Out: 3643.419+/-0.575 χ^2/NDF:2840119.1/36

All: 3785.978+/-0.426 χ^2/NDF: 4784602.2/68



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: -653.591+/-362.908 χ^2/NDF:12.3/15

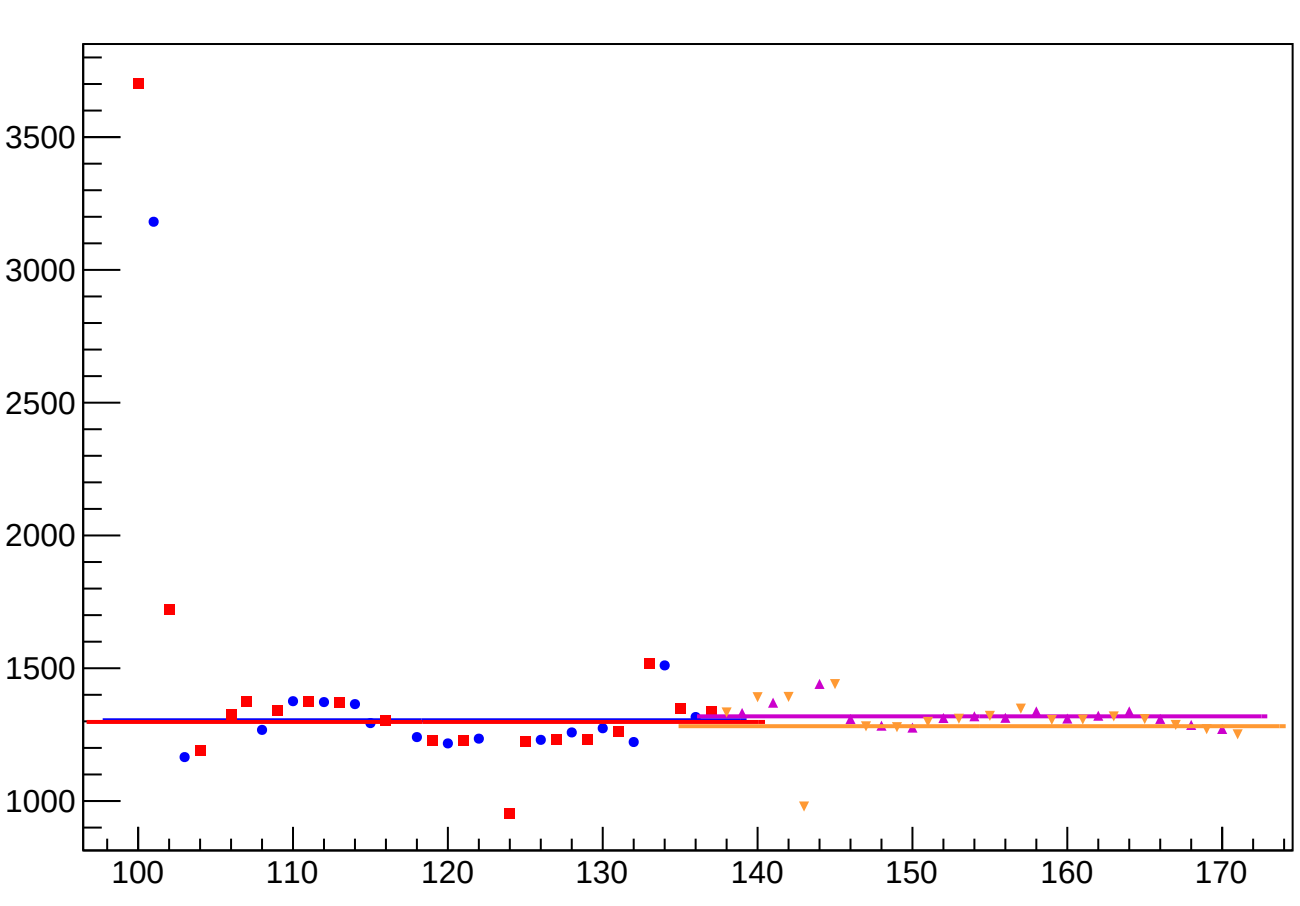
Left: 110.689+/-248.392 χ^2/NDF: 57.6/33

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -637.560+/-292.507 χ^2/NDF:26.5/31

Out: 489.708+/-278.893 χ^2/NDF:54.1/36

All: -47.083+/-201.849 χ^2/NDF: 88.3/68



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: 1318.908+/-0.257 χ^2/NDF:23031.2/15

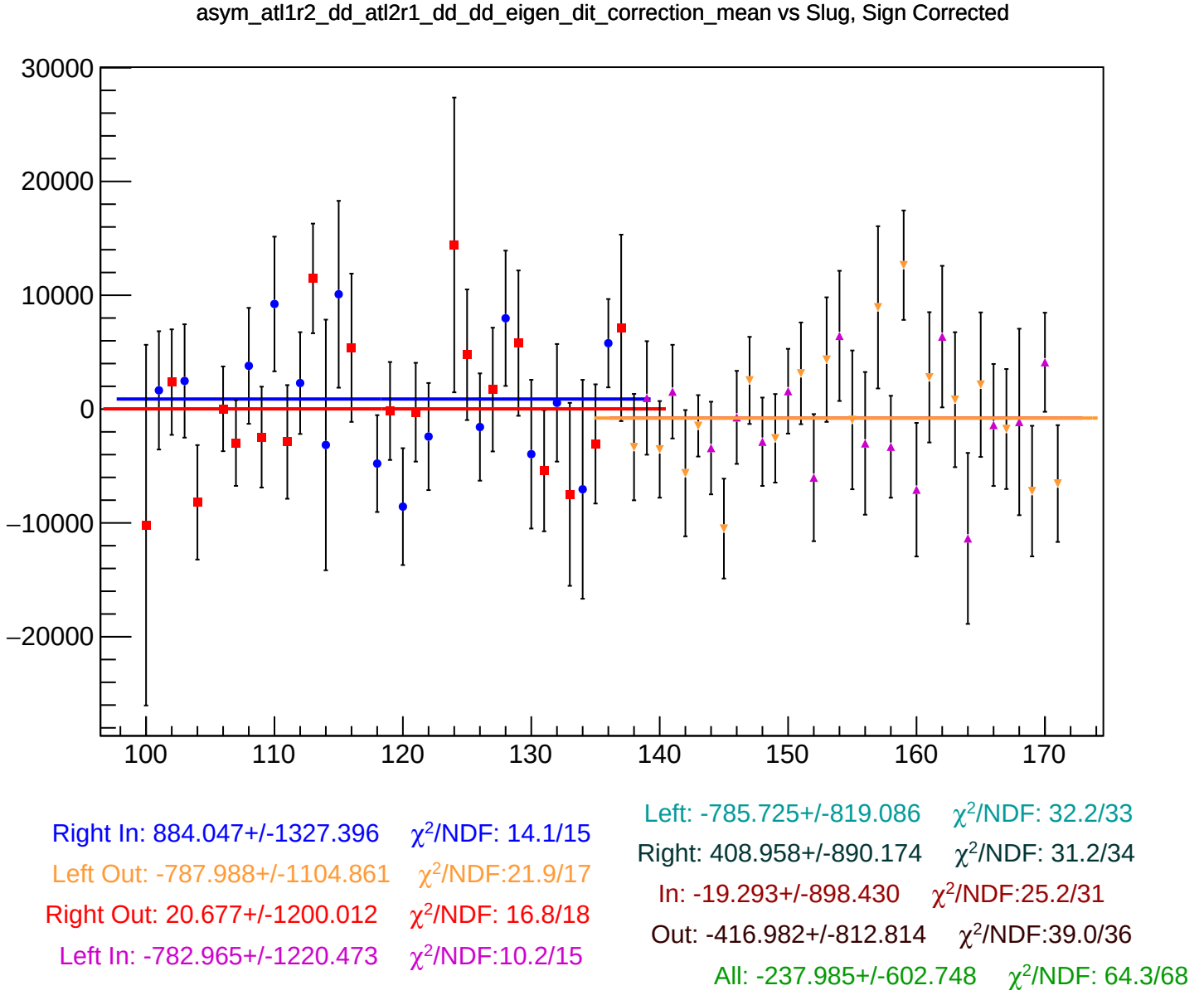
Left: 1299.175+/-0.176 χ^2/NDF: 238434.2/33

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

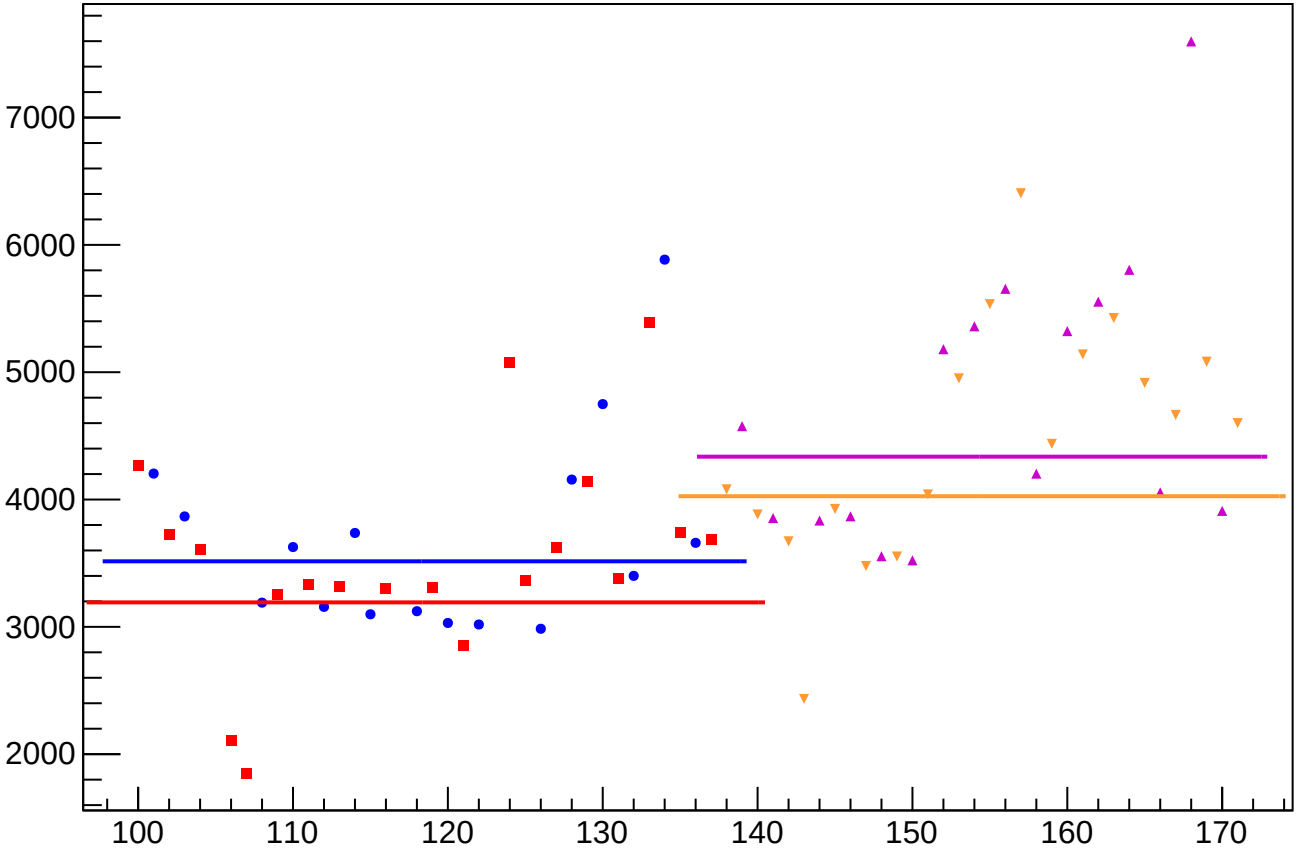
In: 1313.721+/-0.207 χ^2/NDF:534787.1/31

Out: 1287.071+/-0.197 χ^2/NDF:418833.8/36

All: 1299.758+/-0.143 χ^2/NDF: 962319.0/68


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -787.988+/-1104.861 χ²/NDF:21.9/17
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -782.965+/-1220.473 χ²/NDF:10.2/15
Left: -785.725+/-819.086 χ²/NDF: 32.2/33
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: -19.293+/-898.430 χ²/NDF:25.2/31
Out: -416.982+/-812.814 χ²/NDF:39.0/36
All: -237.985+/-602.748 χ²/NDF: 64.3/68

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4025.918+/-0.781 χ^2/NDF:1545162.6/17

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4336.695+/-0.863 χ^2/NDF:1017165.3/15

Left: 4165.893+/-0.579 χ^2/NDF: 2633599.1/33

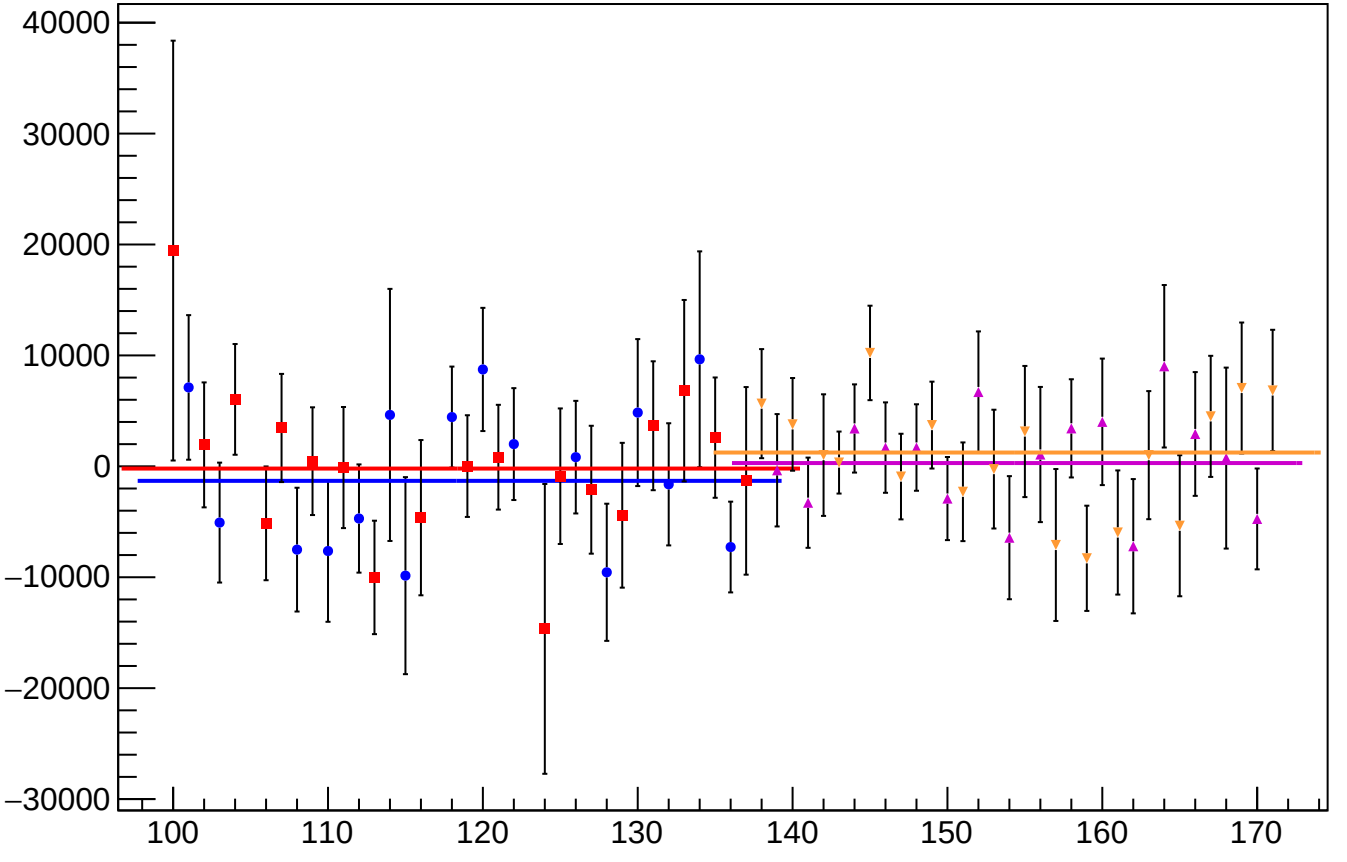
Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3960.149+/-0.635 χ^2/NDF:1807815.4/31

Out: 3643.417+/-0.575 χ^2/NDF:2840140.4/36

All: 3785.976+/-0.426 χ^2/NDF: 4784645.3/68

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug, Sign Corrected



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1243.815+/-1111.506 χ^2/NDF:17.9/17

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: 295.262+/-1216.245 χ^2/NDF:10.6/15

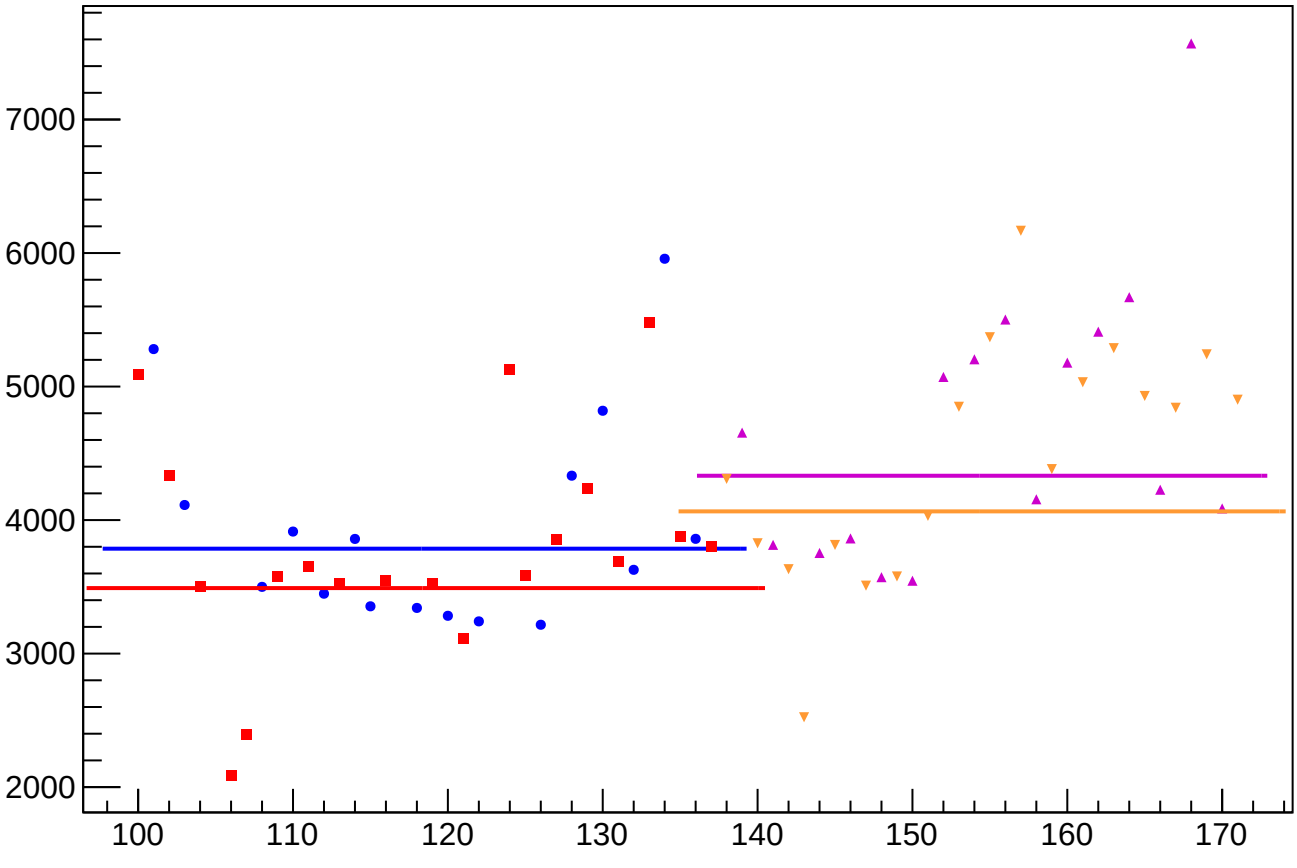
Left: 812.133+/-820.488 χ^2/NDF: 28.8/33

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -377.382+/-926.908 χ^2/NDF:28.9/31

Out: 652.615+/-854.473 χ^2/NDF:30.2/36

All: 179.430+/-628.253 χ^2/NDF: 59.8/68



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: 4332.000+/-0.860 χ^2/NDF:932259.8/15

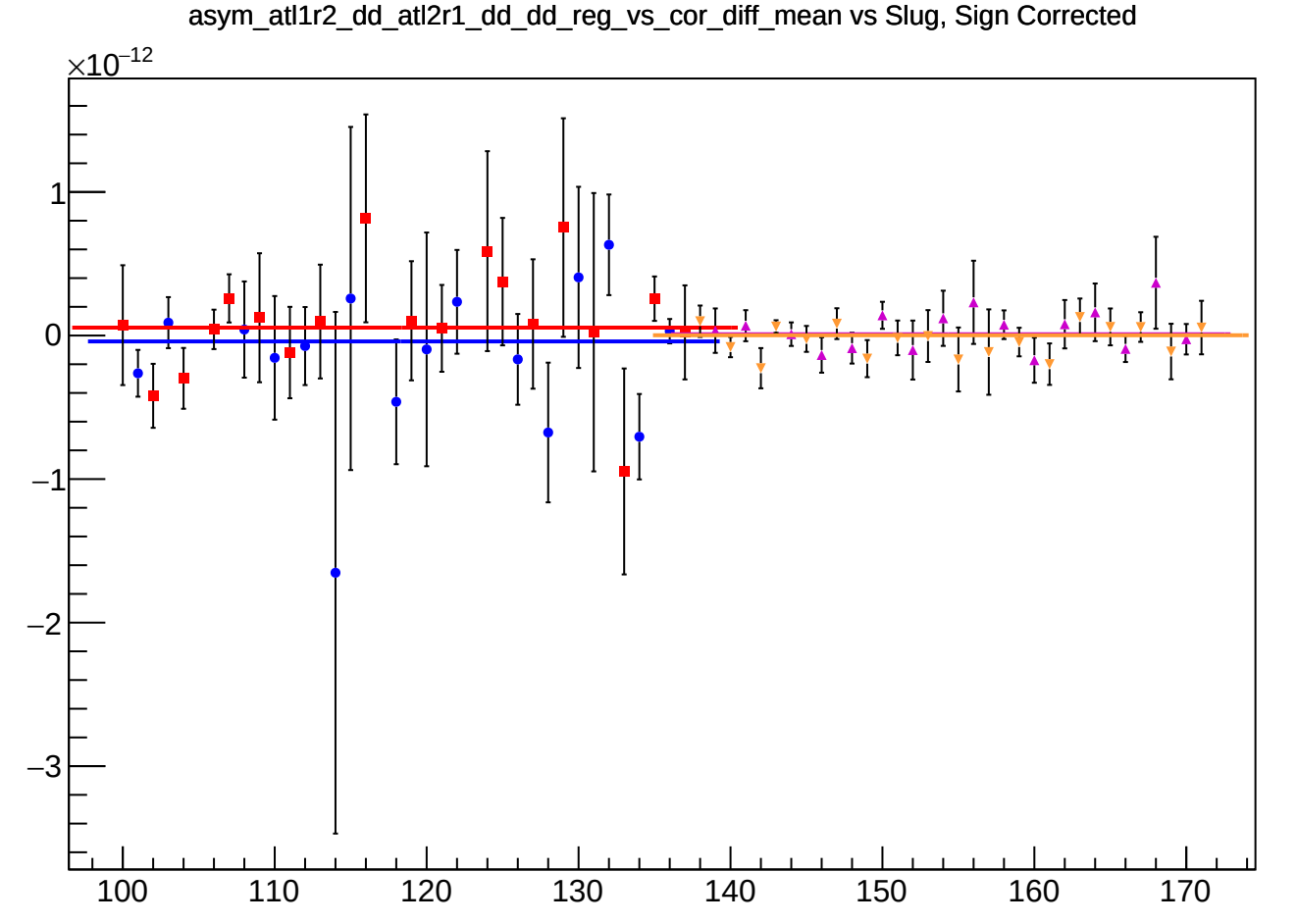
Left: 4186.595+/-0.580 χ^2/NDF: 2387166.1/33

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4103.023+/-0.655 χ^2/NDF:1484356.4/31

Out: 3826.335+/-0.601 χ^2/NDF:2211287.7/36

All: 3952.670+/-0.443 χ^2/NDF: 3792486.1/68



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:10.8/15

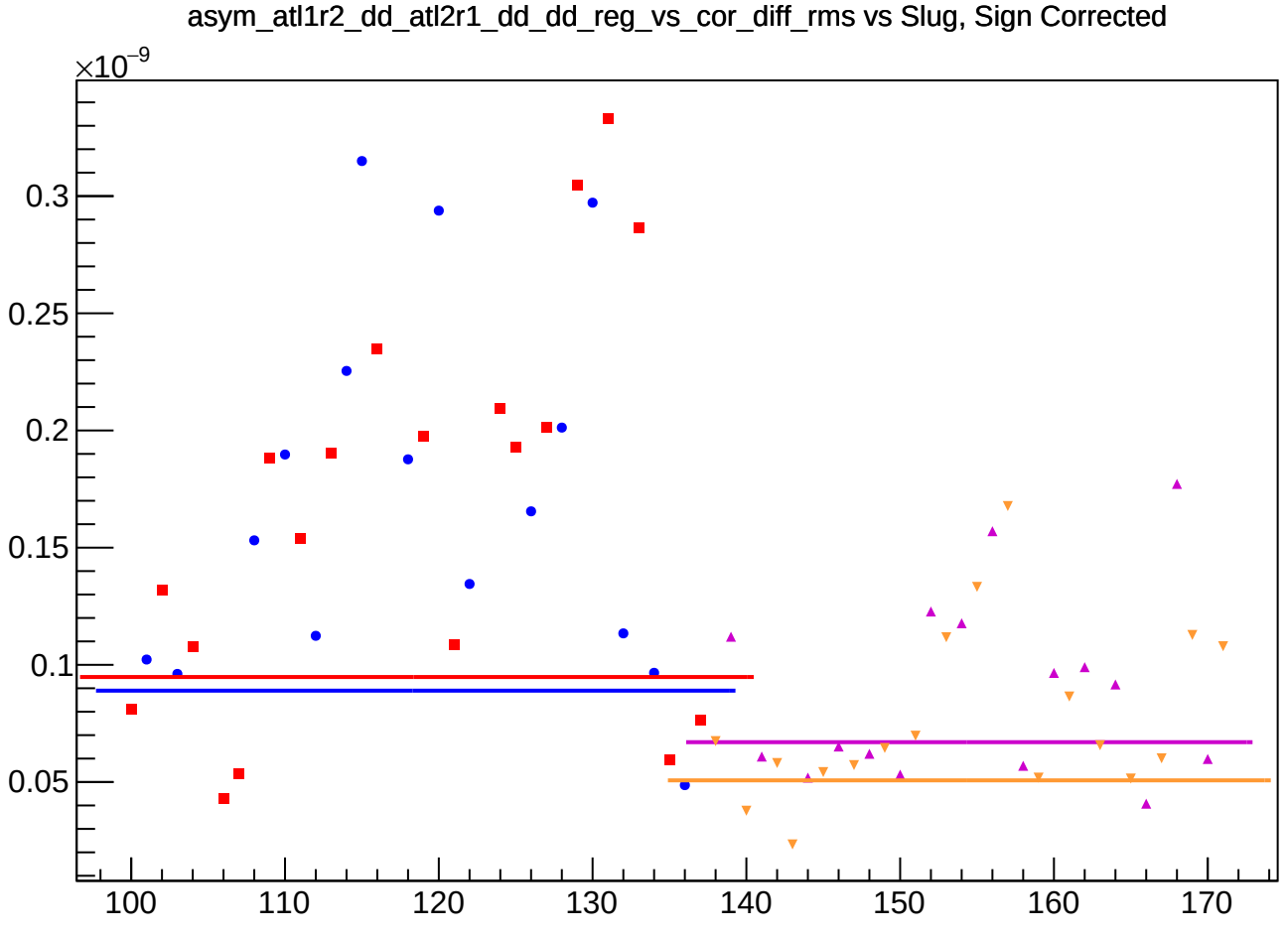
Left: 0.000+/-0.000 χ^2/NDF: 24.6/33

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: -0.000+/-0.000 χ^2/NDF:28.0/31

Out: 0.000+/-0.000 χ^2/NDF:30.3/36

All: 0.000+/-0.000 χ^2/NDF: 58.4/68



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:1374533.4/15

Left: 0.000+/-0.000 χ^2/NDF: 4060268.7/33

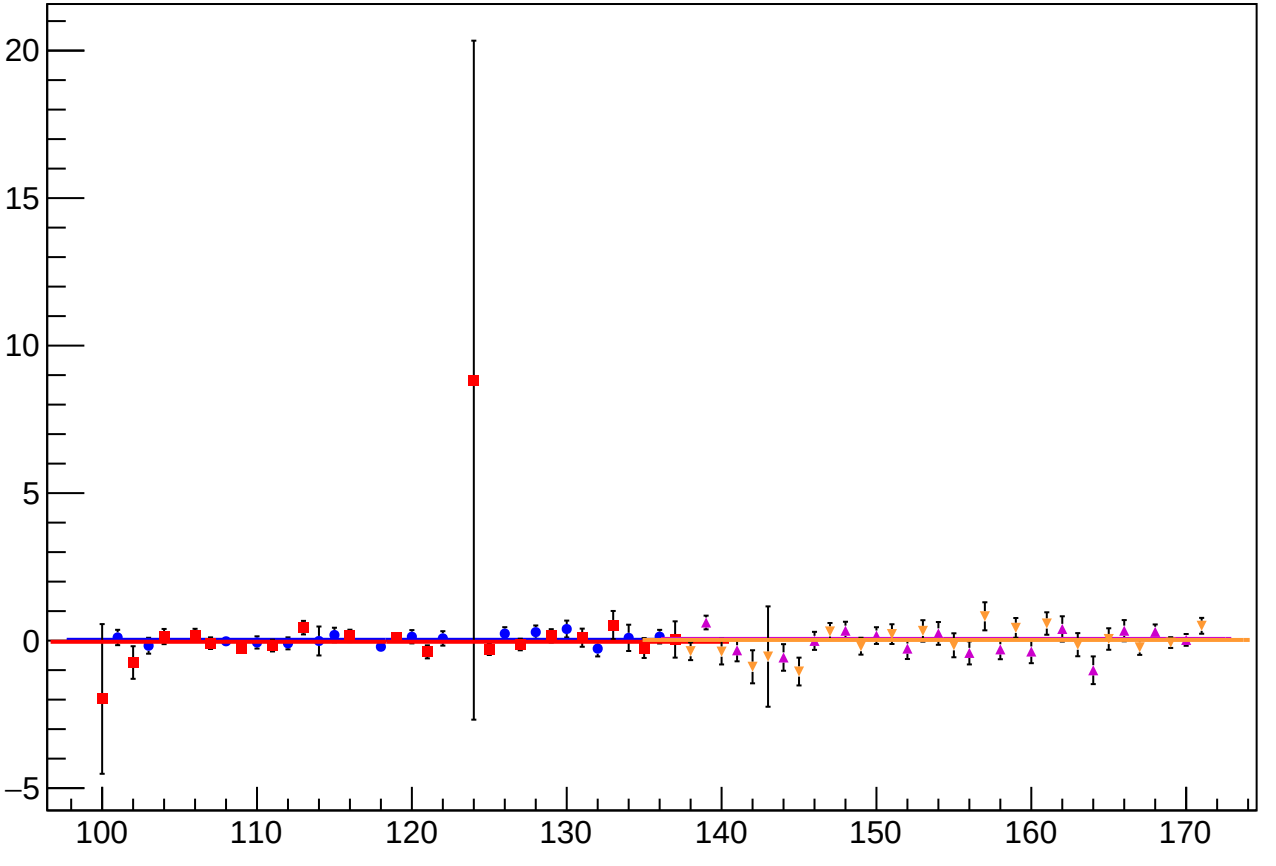
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3052028.5/31

Out: 0.000+/-0.000 χ^2/NDF:4912872.7/36

All: 0.000+/-0.000 χ^2/NDF: 8337906.2/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

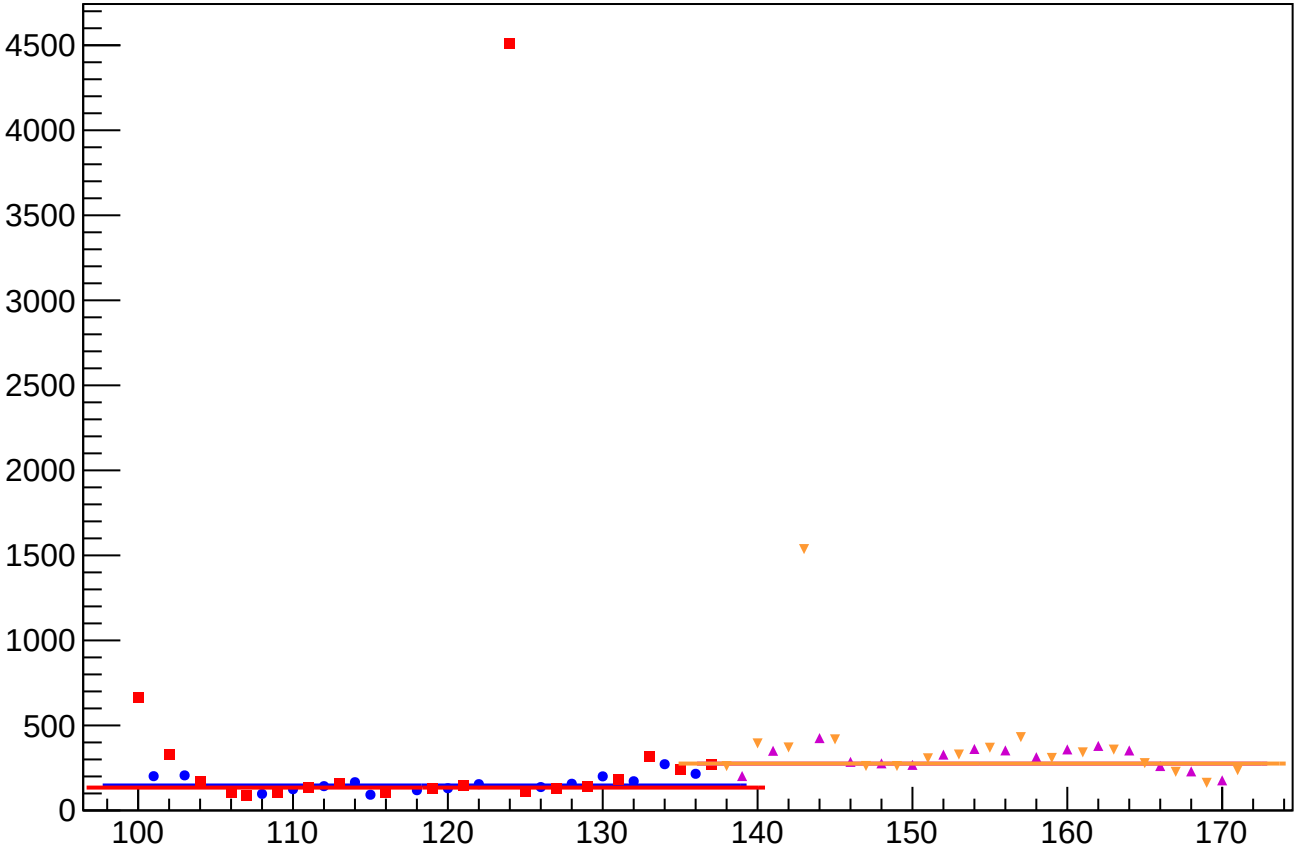
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 275.564+/-0.039 χ^2/NDF: 4503413.6/33

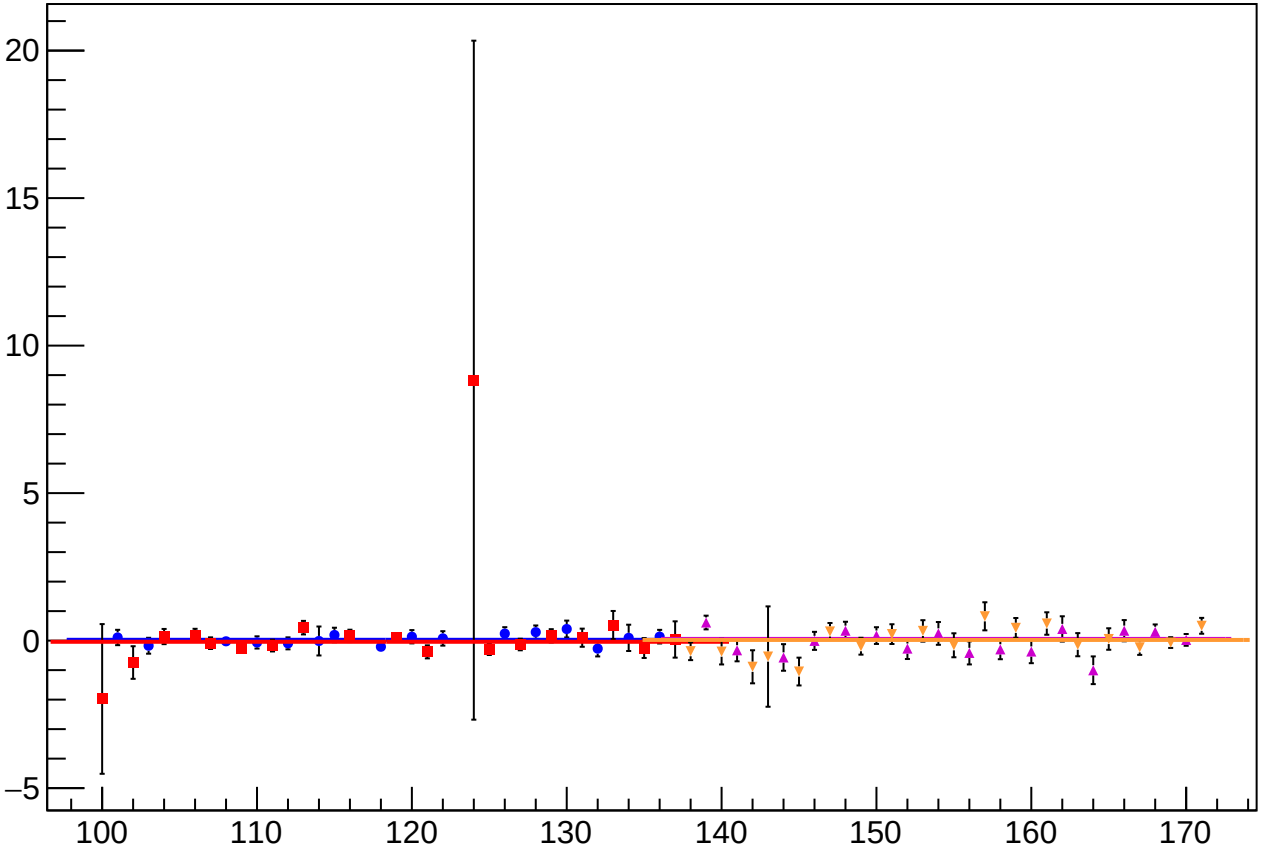
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

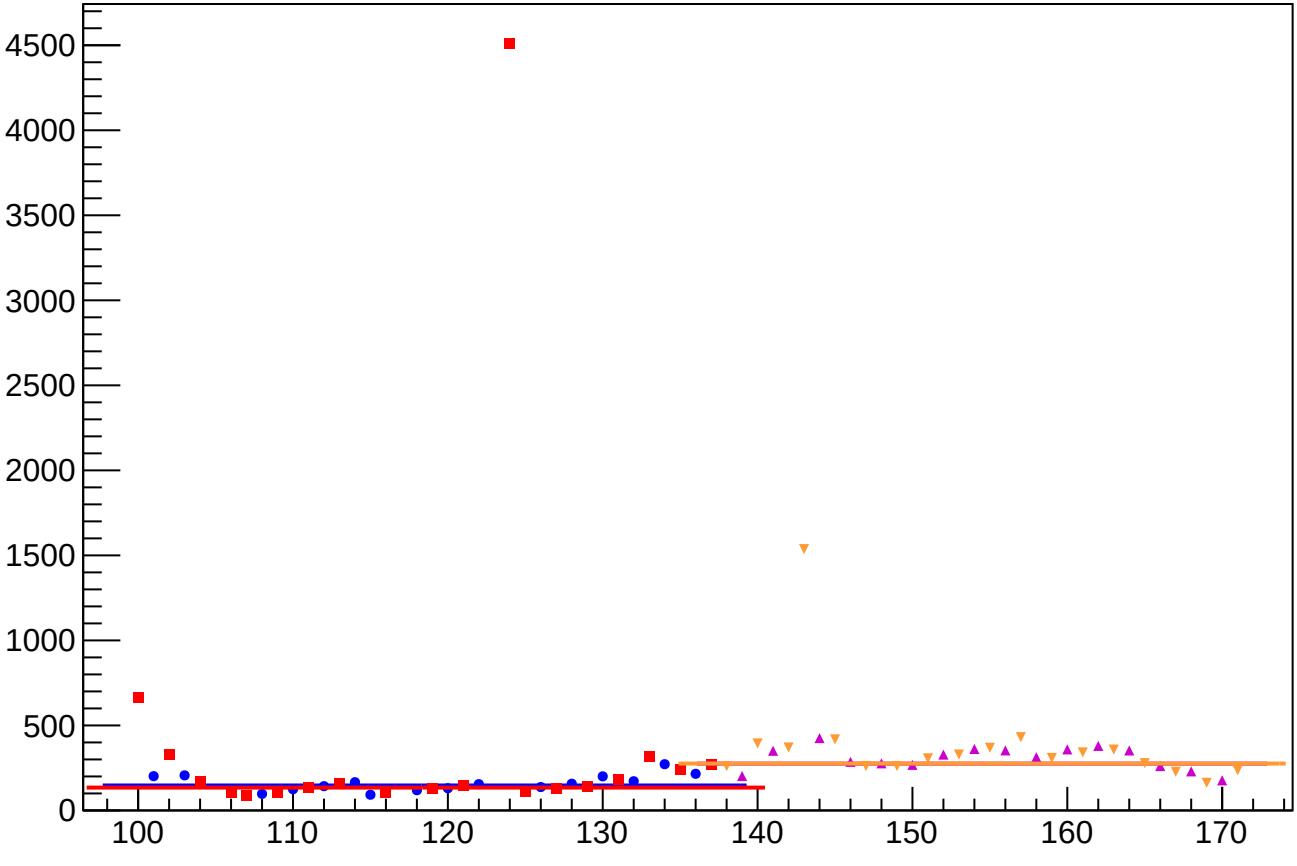
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.313+/-0.056 χ^2/NDF:1567652.8/15

Left: 275.564+/-0.039 χ^2/NDF: 4503413.6/33

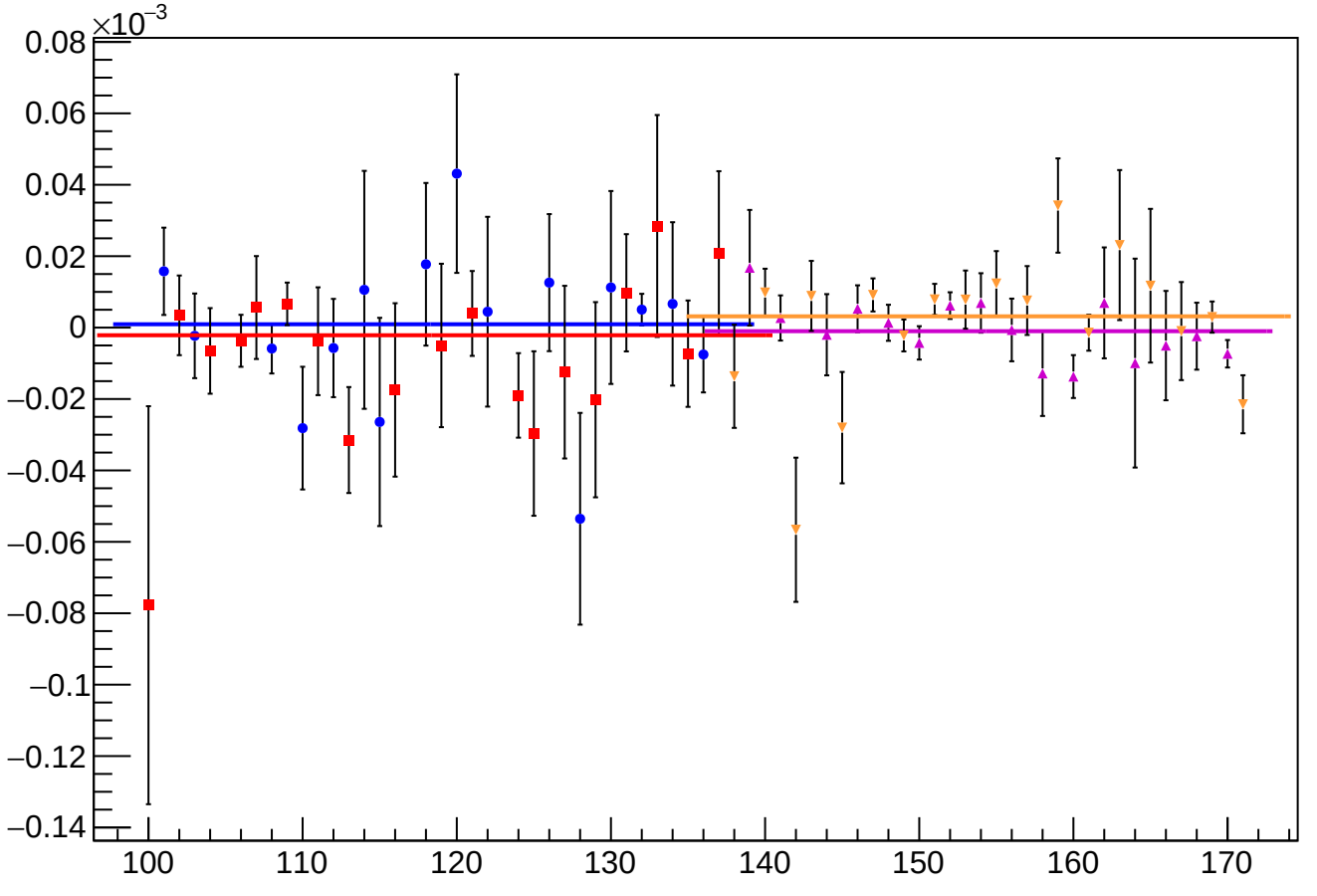
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 191.434+/-0.033 χ^2/NDF:6008857.4/31

Out: 181.238+/-0.032 χ^2/NDF:8943415.2/36

All: 186.135+/-0.023 χ^2/NDF: 15001983.5/68

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:16.4/15

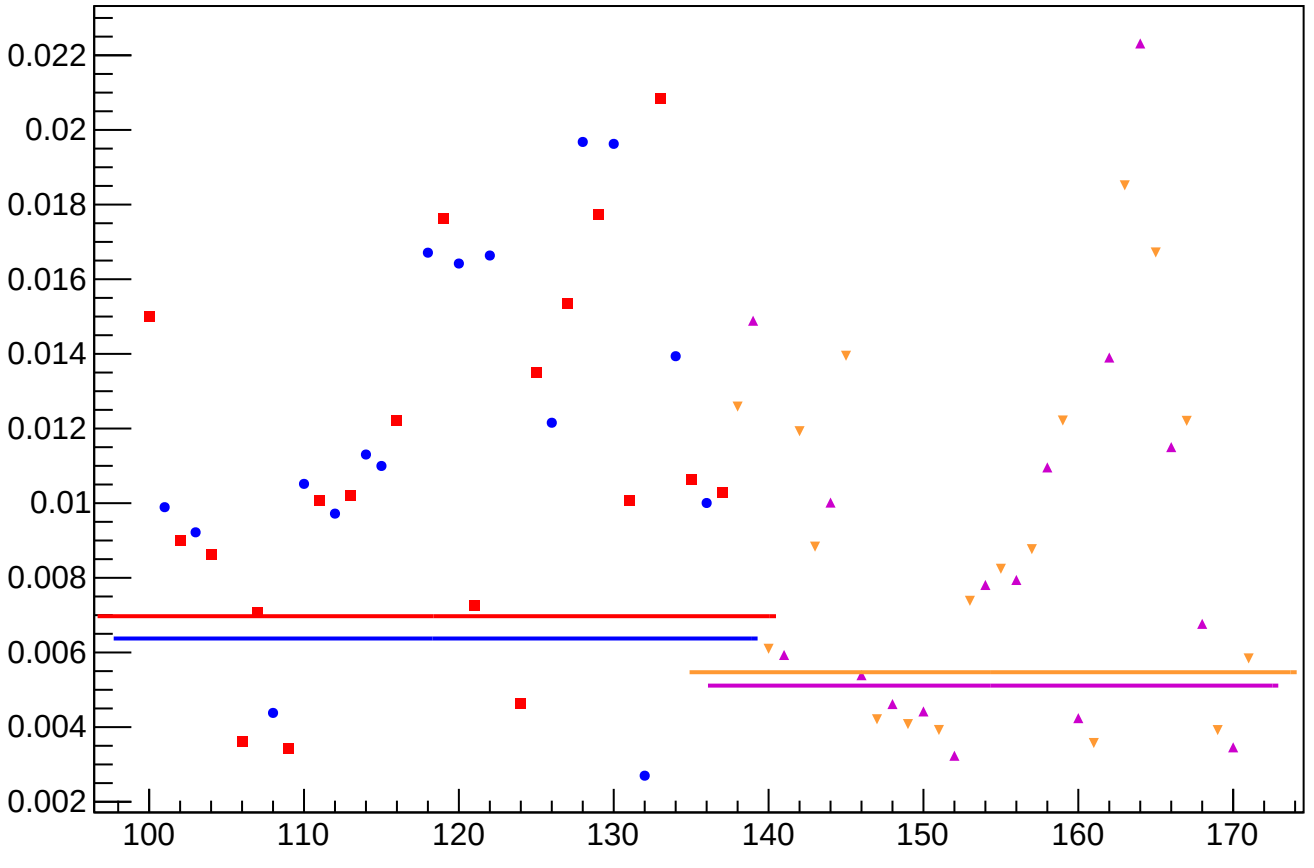
Left: 0.000+/-0.000 χ^2/NDF: 57.5/33

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:31.6/31

Out: 0.000+/-0.000 χ^2/NDF:56.4/36

All: 0.000+/-0.000 χ^2/NDF: 89.4/68



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:4760884.8/15

Left: 0.005+/-0.000 χ^2/NDF: 10324005.9/33

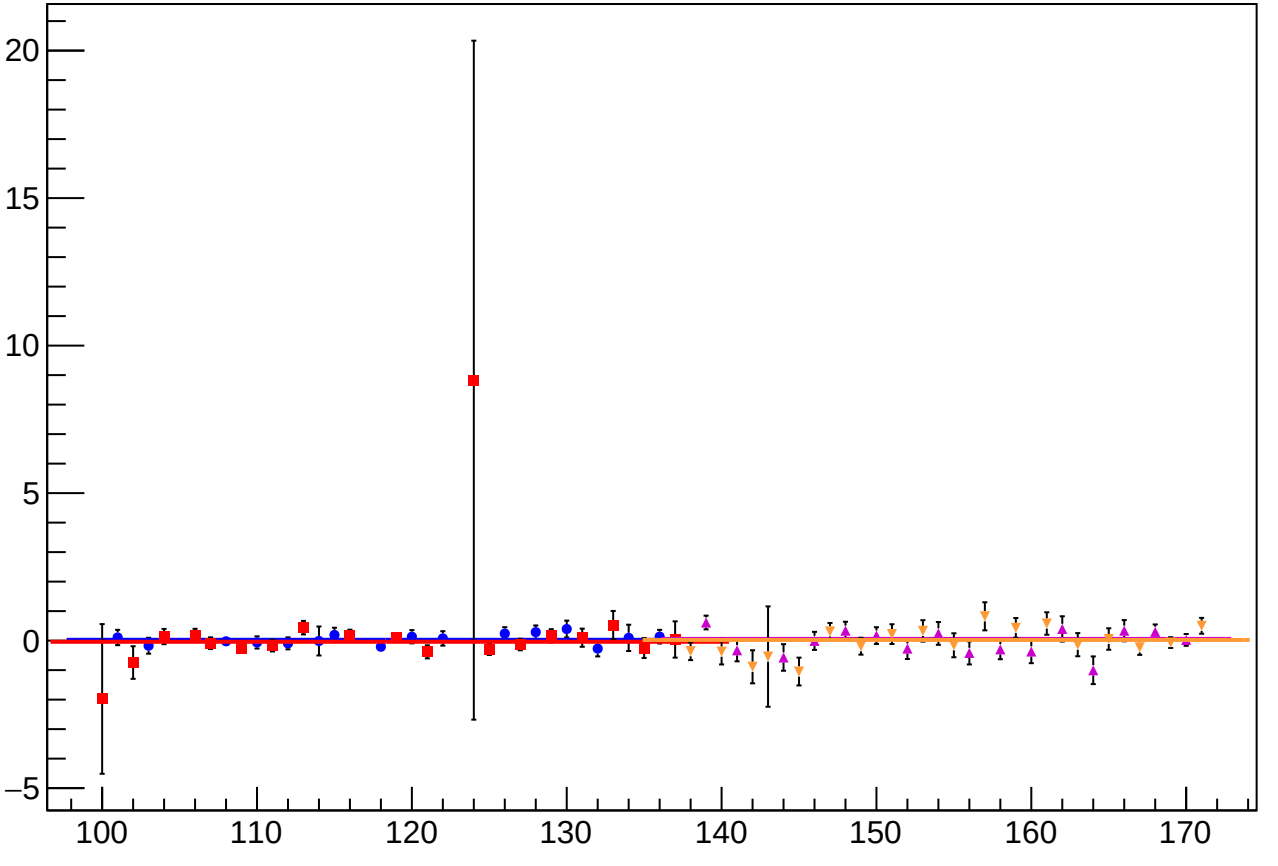
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.005+/-0.000 χ^2/NDF:9682821.9/31

Out: 0.006+/-0.000 χ^2/NDF:9304892.8/36

All: 0.006+/-0.000 χ^2/NDF: 19067544.1/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

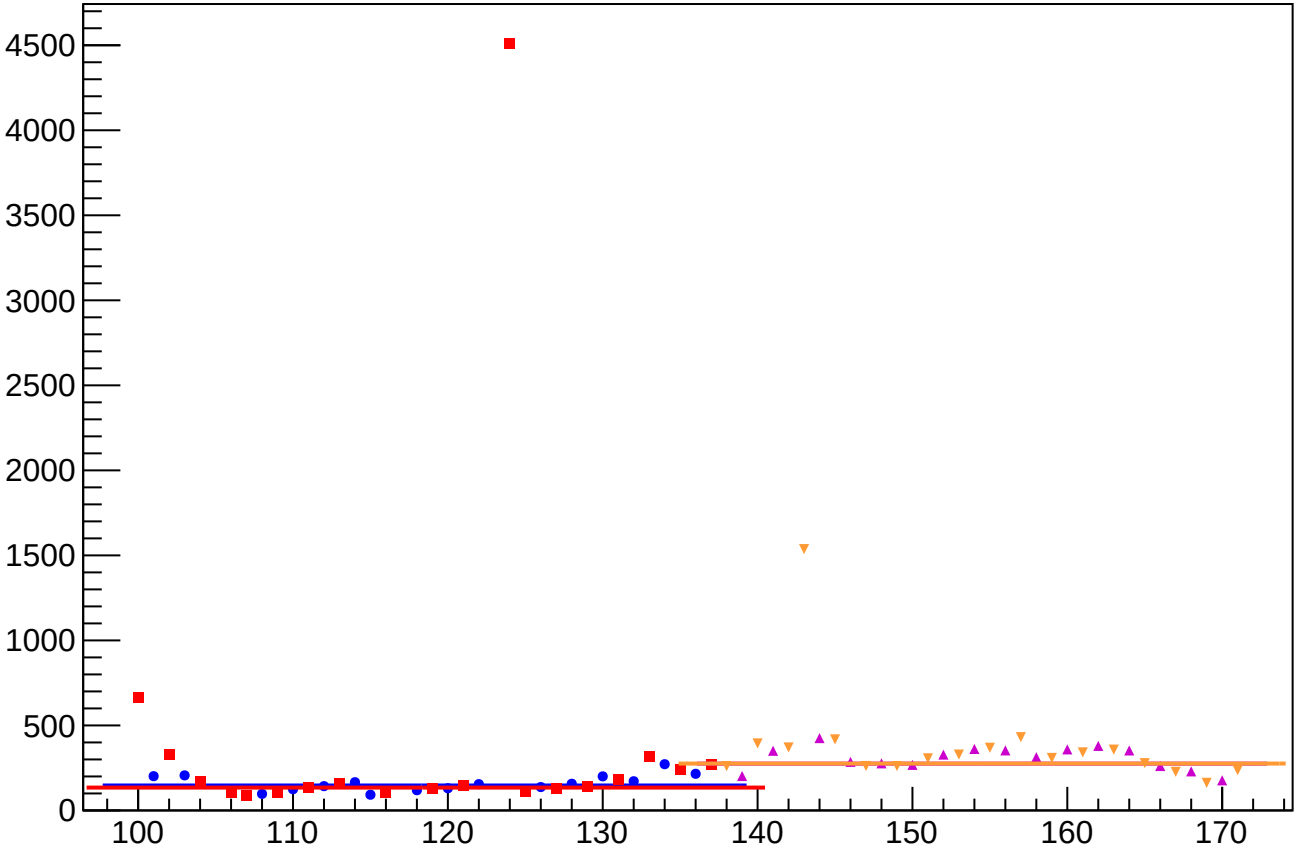
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.317+/-0.056 χ^2/NDF:1567670.2/15

Left: 275.566+/-0.039 χ^2/NDF: 4503535.3/33

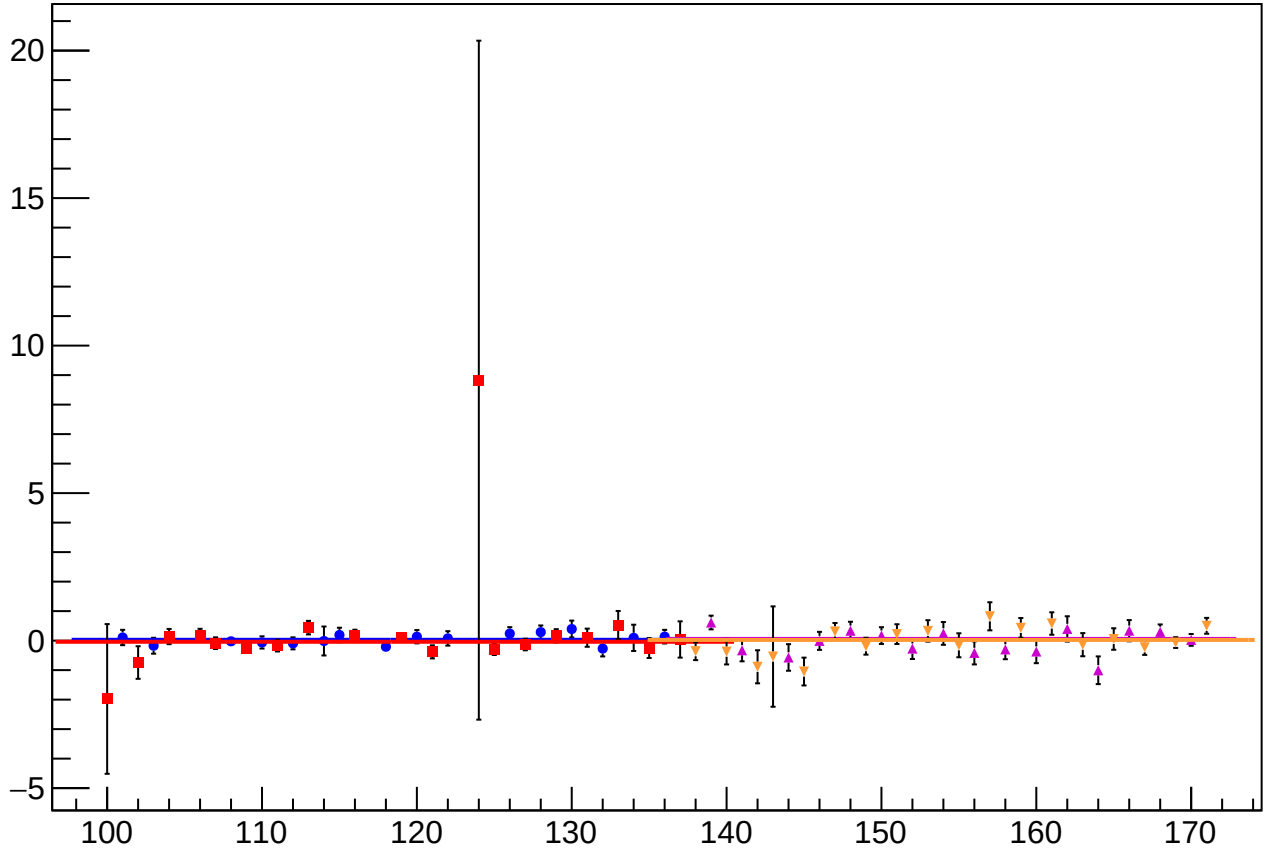
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68

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: 0.058+/-0.079 χ^2/NDF:21.9/15

Left: 0.040+/-0.056 χ^2/NDF: 46.1/33

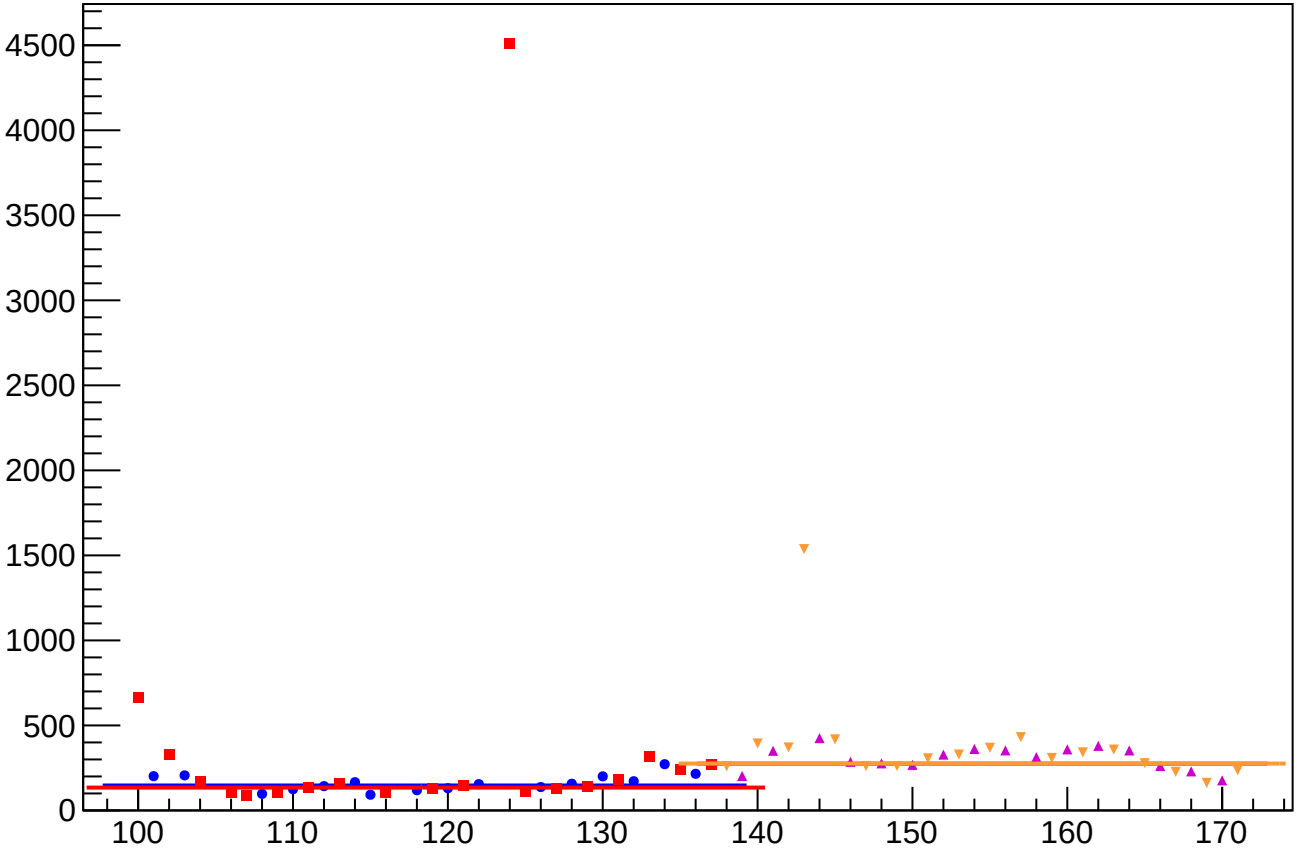
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.038+/-0.047 χ^2/NDF:31.4/31

Out: -0.019+/-0.045 χ^2/NDF:44.6/36

All: 0.009+/-0.032 χ^2/NDF: 76.8/68

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: 275.317+/-0.056 χ^2/NDF:1567670.2/15

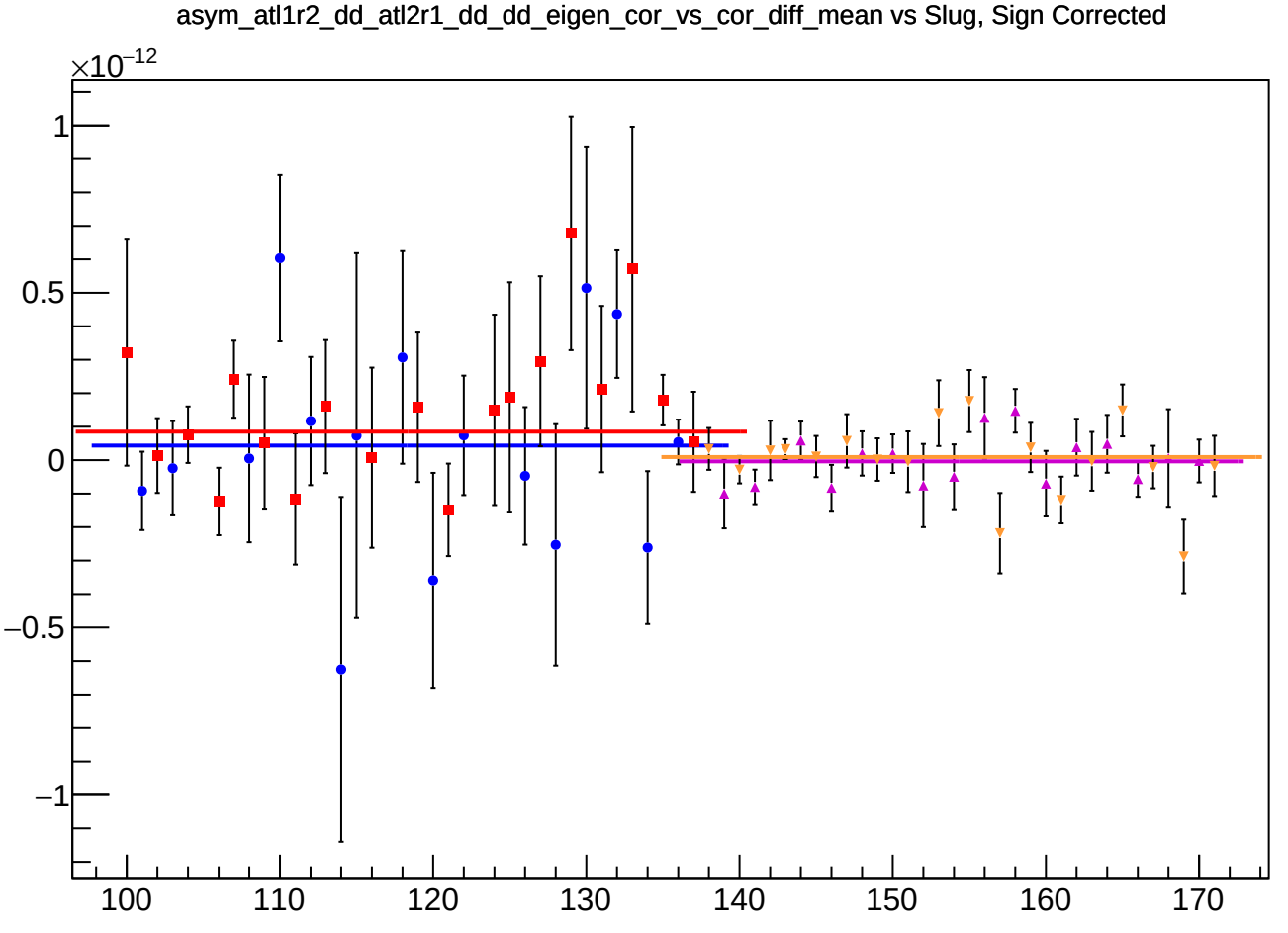
Left: 275.566+/-0.039 χ^2/NDF: 4503535.3/33

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 191.434+/-0.033 χ^2/NDF:6008958.2/31

Out: 181.240+/-0.032 χ^2/NDF:8943392.9/36

All: 186.135+/-0.023 χ^2/NDF: 15002051.9/68



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:15.1/15

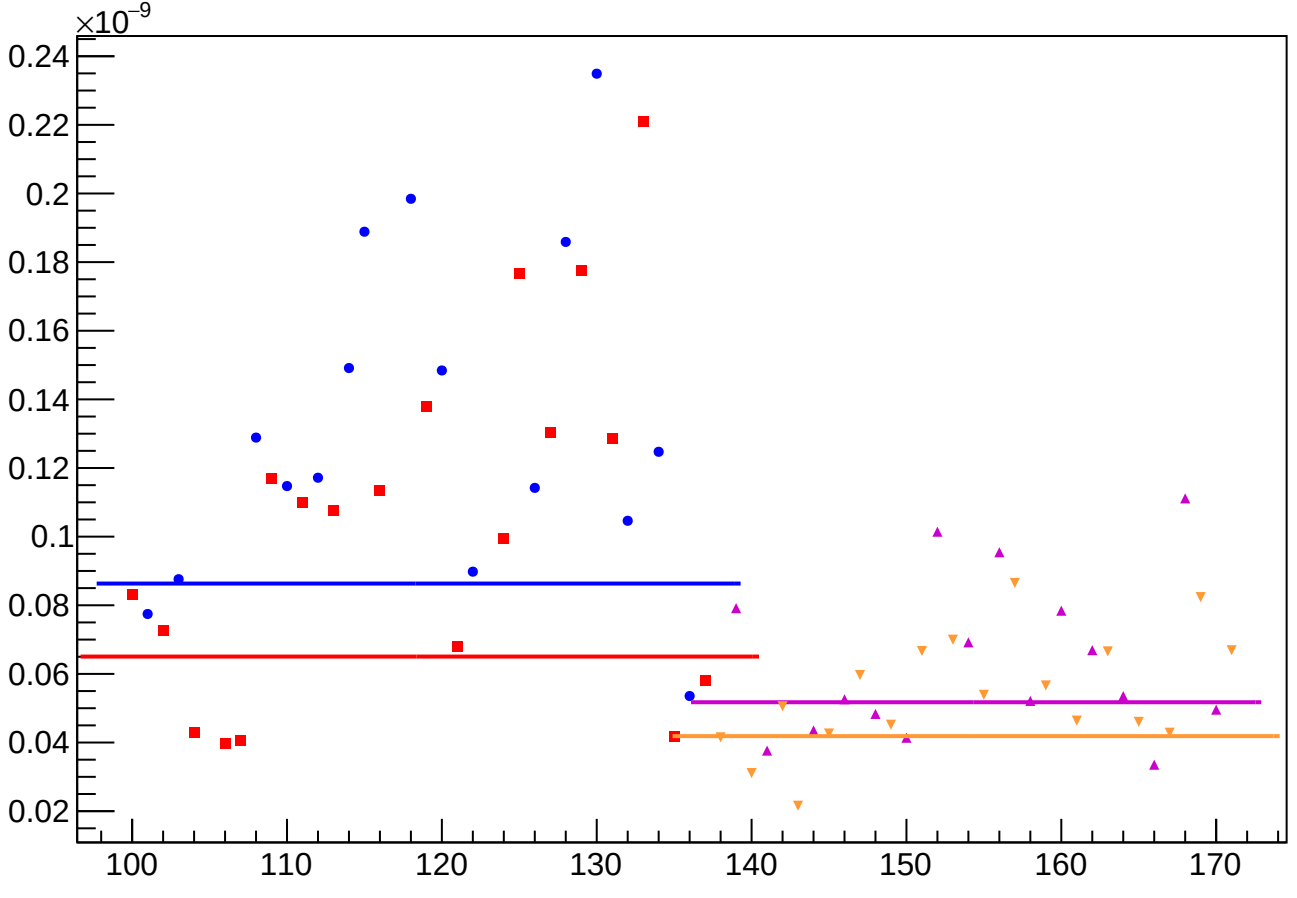
Left: 0.000+/-0.000 χ^2/NDF: 40.5/33

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.1/31

Out: 0.000+/-0.000 χ^2/NDF:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 83.2/68



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:1829490.2/15

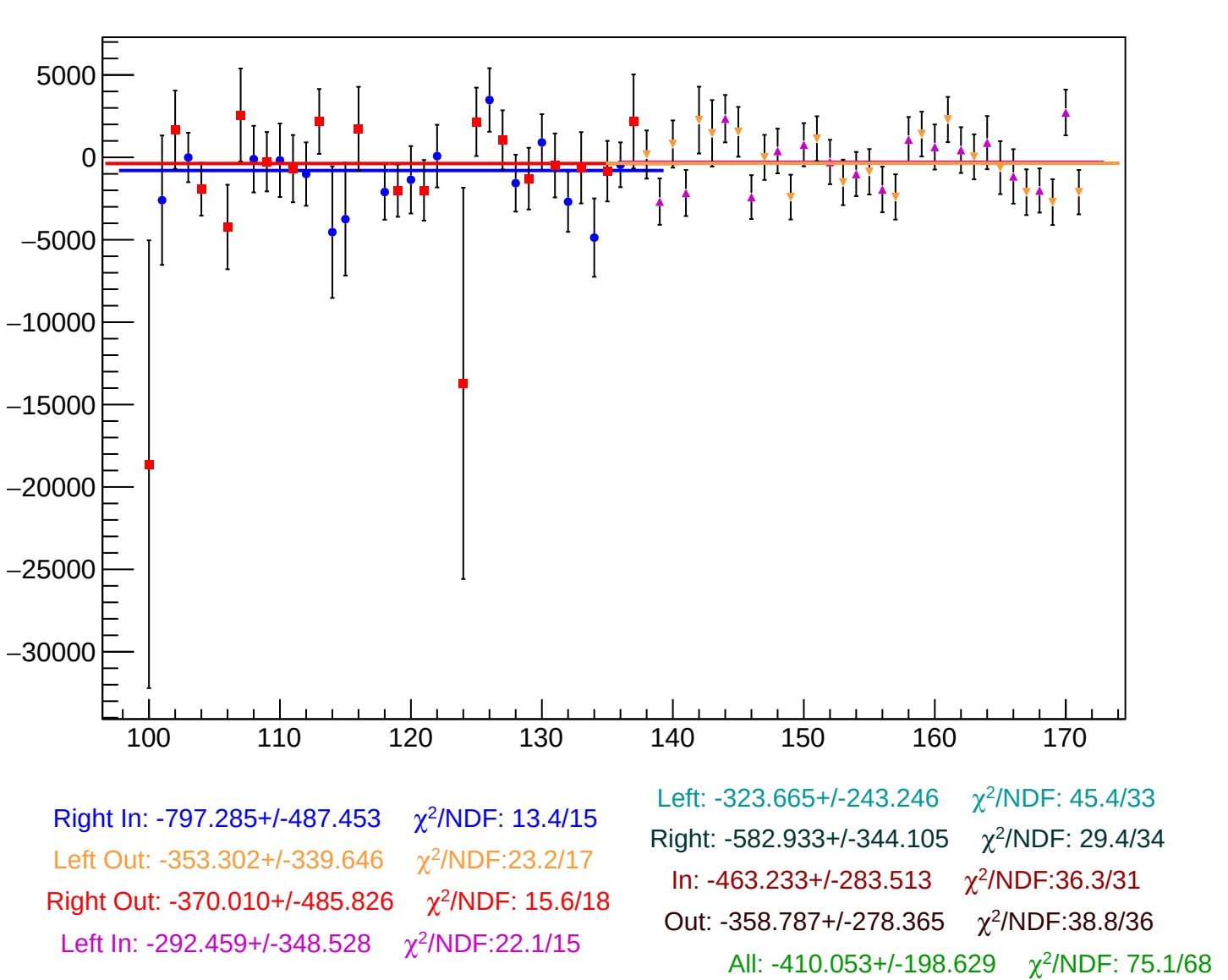
Left: 0.000+/-0.000 χ^2/NDF: 4680335.8/33

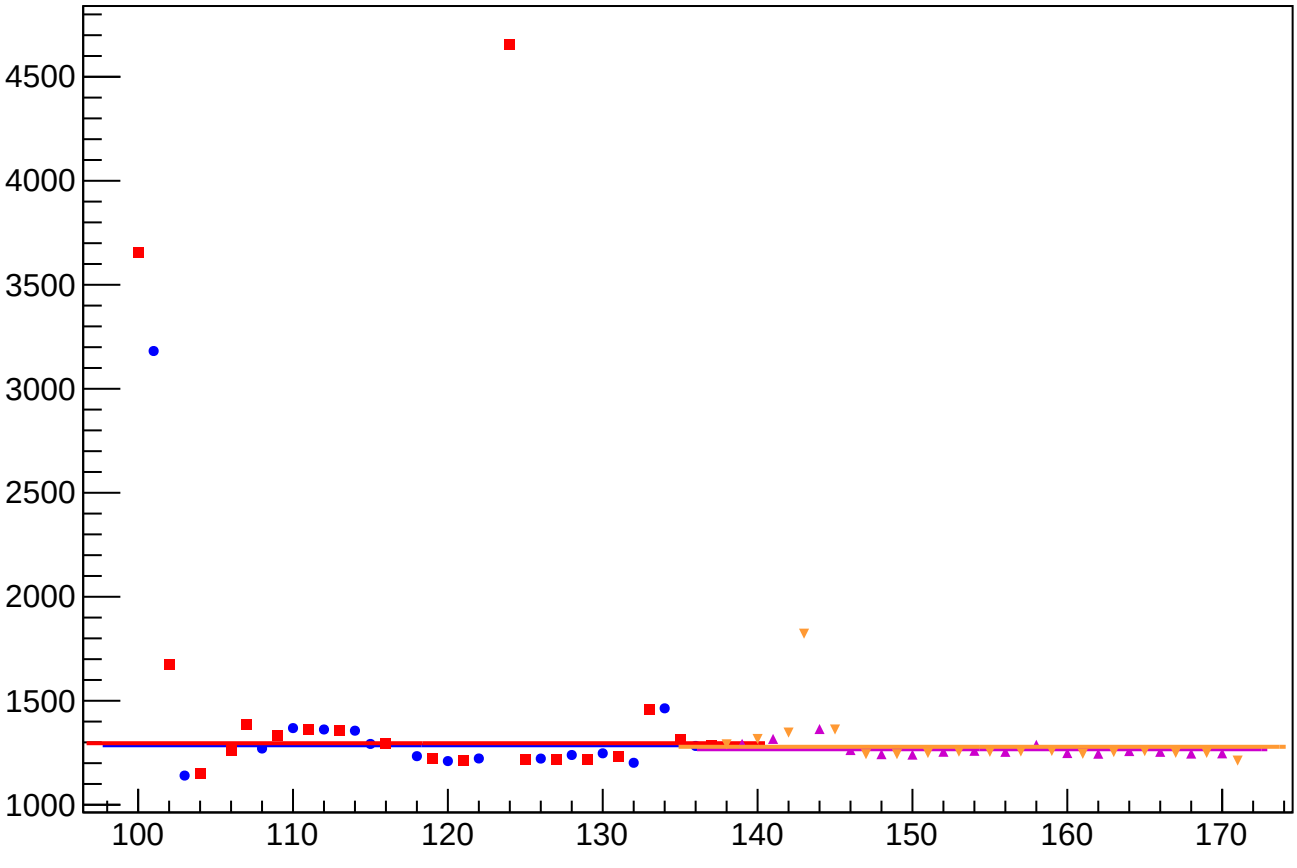
Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4504215.3/31

Out: 0.000+/-0.000 χ^2/NDF:5428790.5/36

All: 0.000+/-0.000 χ^2/NDF: 10479966.1/68


reg_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: -797.285+/-487.453 χ²/NDF: 13.4/15
Left Out: -353.302+/-339.646 χ²/NDF:23.2/17
Right Out: -370.010+/-485.826 χ²/NDF: 15.6/18
Left In: -292.459+/-348.528 χ²/NDF:22.1/15
Left: -323.665+/-243.246 χ²/NDF: 45.4/33
Right: -582.933+/-344.105 χ²/NDF: 29.4/34
In: -463.233+/-283.513 χ²/NDF:36.3/31
Out: -358.787+/-278.365 χ²/NDF:38.8/36
All: -410.053+/-198.629 χ²/NDF: 75.1/68



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: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1272.970+/-0.172 χ^2/NDF: 187700.4/33

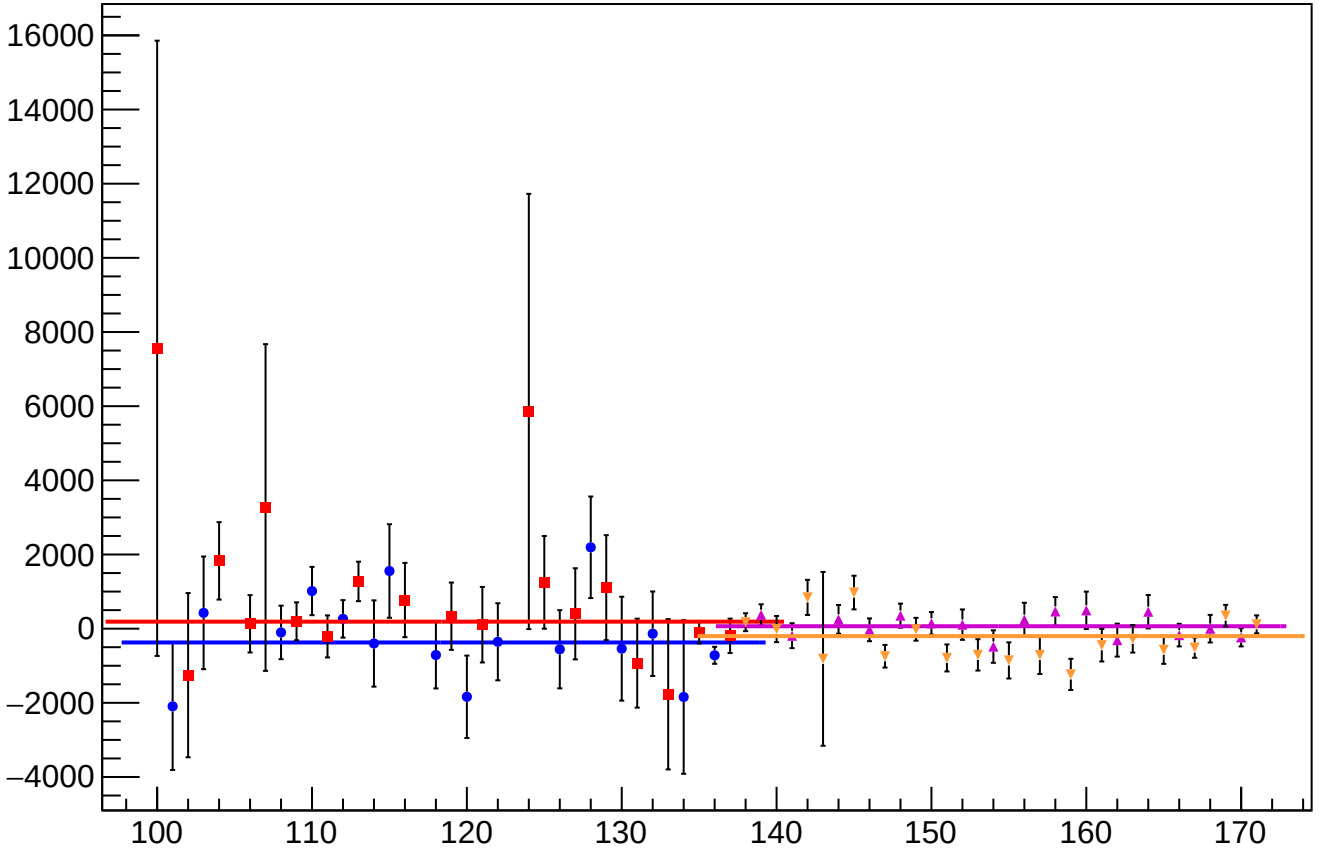
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1273.395+/-0.200 χ^2/NDF:536690.5/31

Out: 1284.383+/-0.197 χ^2/NDF:499762.6/36

All: 1278.990+/-0.140 χ^2/NDF: 1037982.6/68

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: 65.682+/-87.584 χ^2/NDF:10.1/15

Left: -74.549+/-60.319 χ^2/NDF: 53.6/33

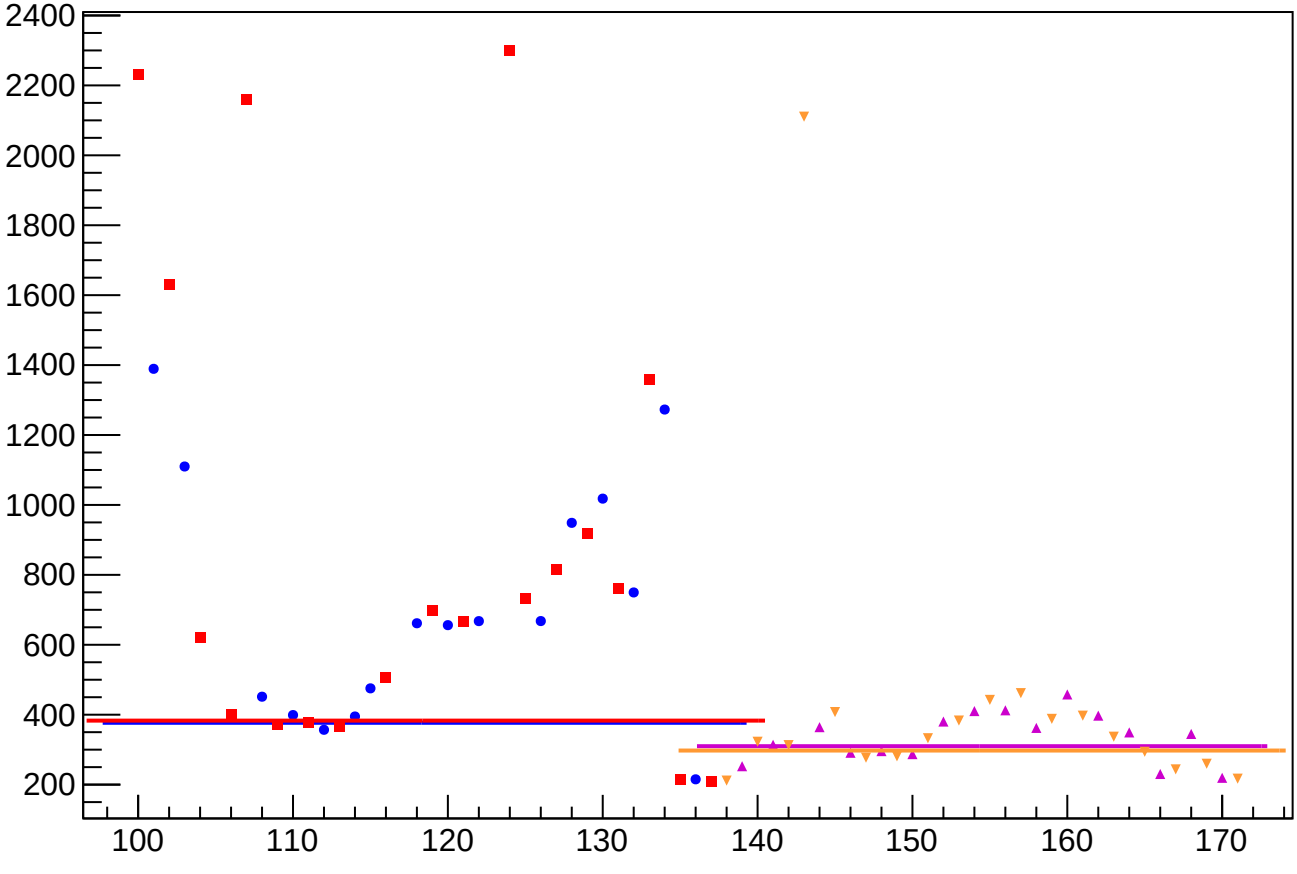
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: -27.745+/-77.684 χ^2/NDF:33.6/31

Out: -125.410+/-74.689 χ^2/NDF:57.6/36

All: -78.496+/-53.841 χ^2/NDF: 92.0/68

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: 309.914+/-0.062 χ^2/NDF:1138157.2/15

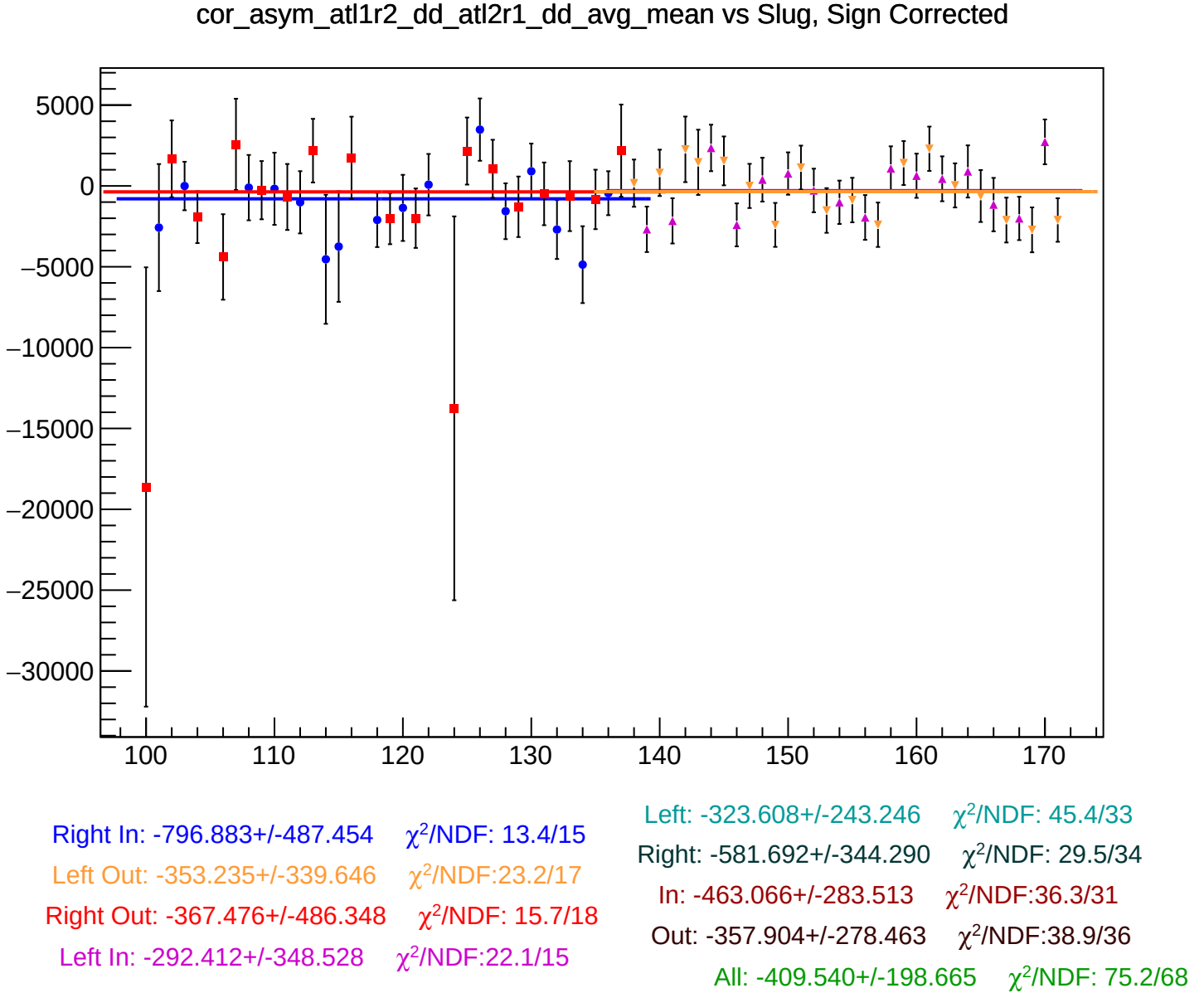
Left: 303.381+/-0.043 χ^2/NDF: 3789415.4/33

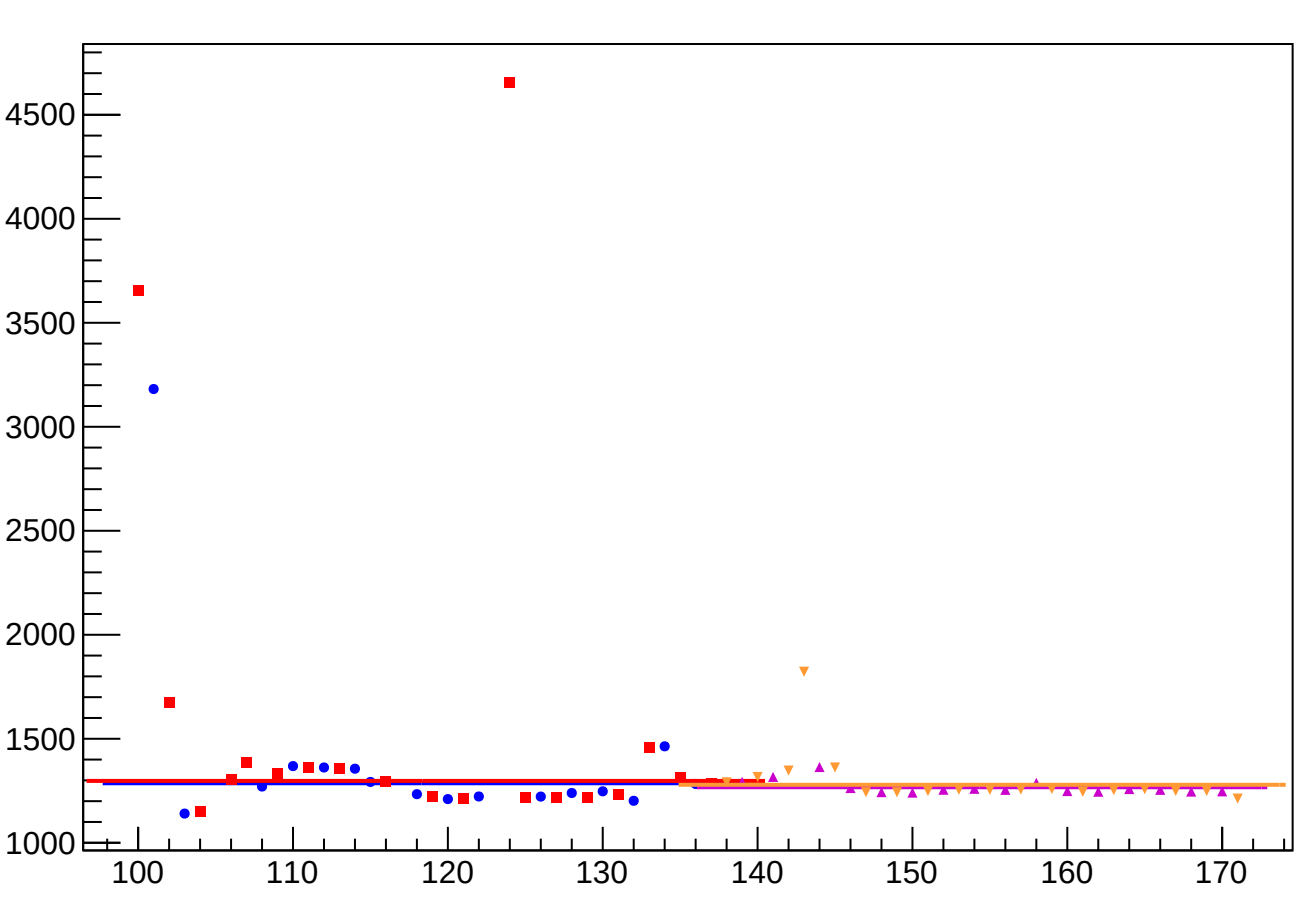
Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 324.200+/-0.055 χ^2/NDF:5577837.0/31

Out: 314.090+/-0.053 χ^2/NDF:7094849.1/36

All: 318.947+/-0.038 χ^2/NDF: 12690288.4/68


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -796.883+/-487.454 χ²/NDF: 13.4/15
Left Out: -353.235+/-339.646 χ²/NDF:23.2/17
Right Out: -367.476+/-486.348 χ²/NDF: 15.7/18
Left In: -292.412+/-348.528 χ²/NDF:22.1/15
Left: -323.608+/-243.246 χ²/NDF: 45.4/33
Right: -581.692+/-344.290 χ²/NDF: 29.5/34
In: -463.066+/-283.513 χ²/NDF:36.3/31
Out: -357.904+/-278.463 χ²/NDF:38.9/36
All: -409.540+/-198.665 χ²/NDF: 75.2/68



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: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1272.970+/-0.172 χ^2/NDF: 187700.4/33

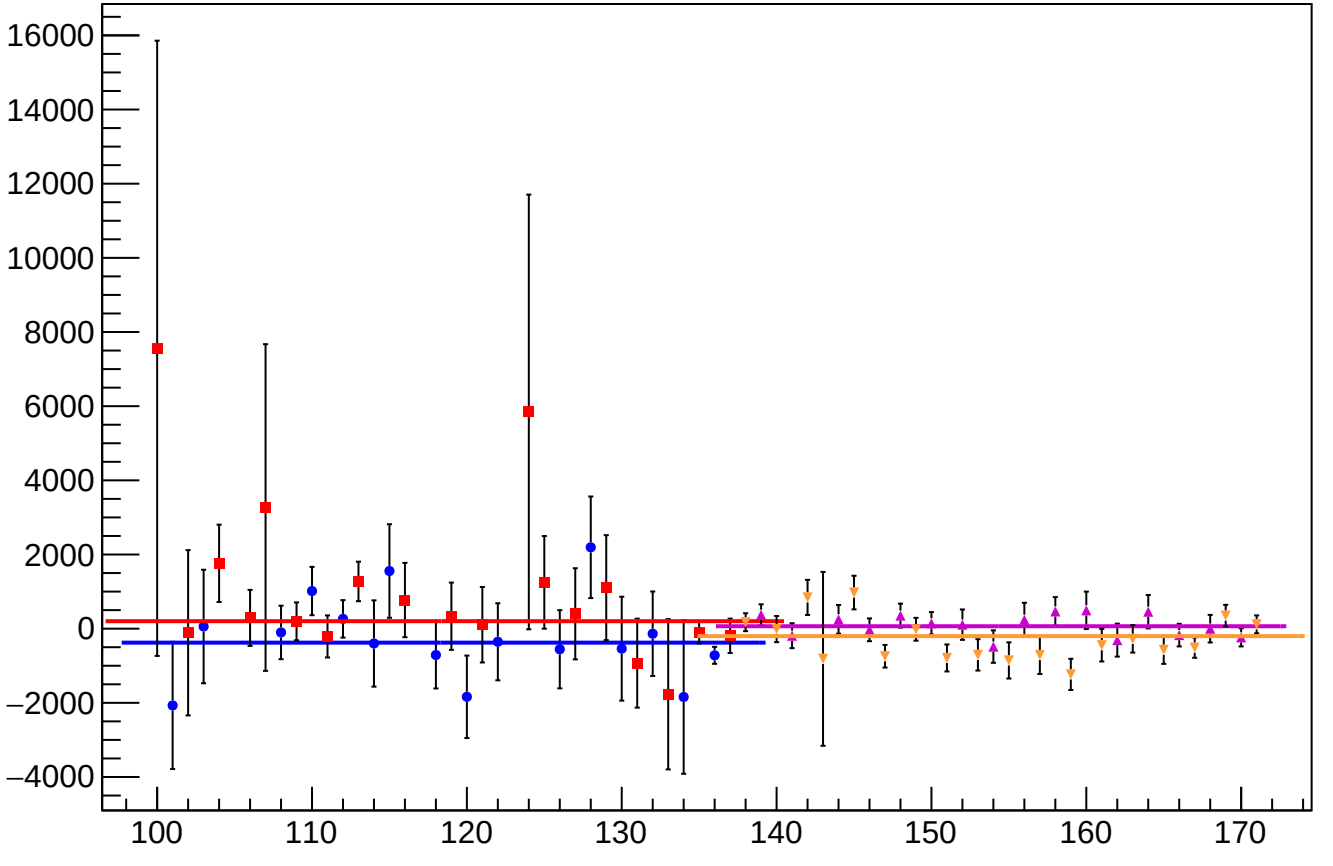
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

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: 65.696+/-87.584 χ^2/NDF:10.1/15

Left: -74.534+/-60.320 χ^2/NDF: 53.6/33

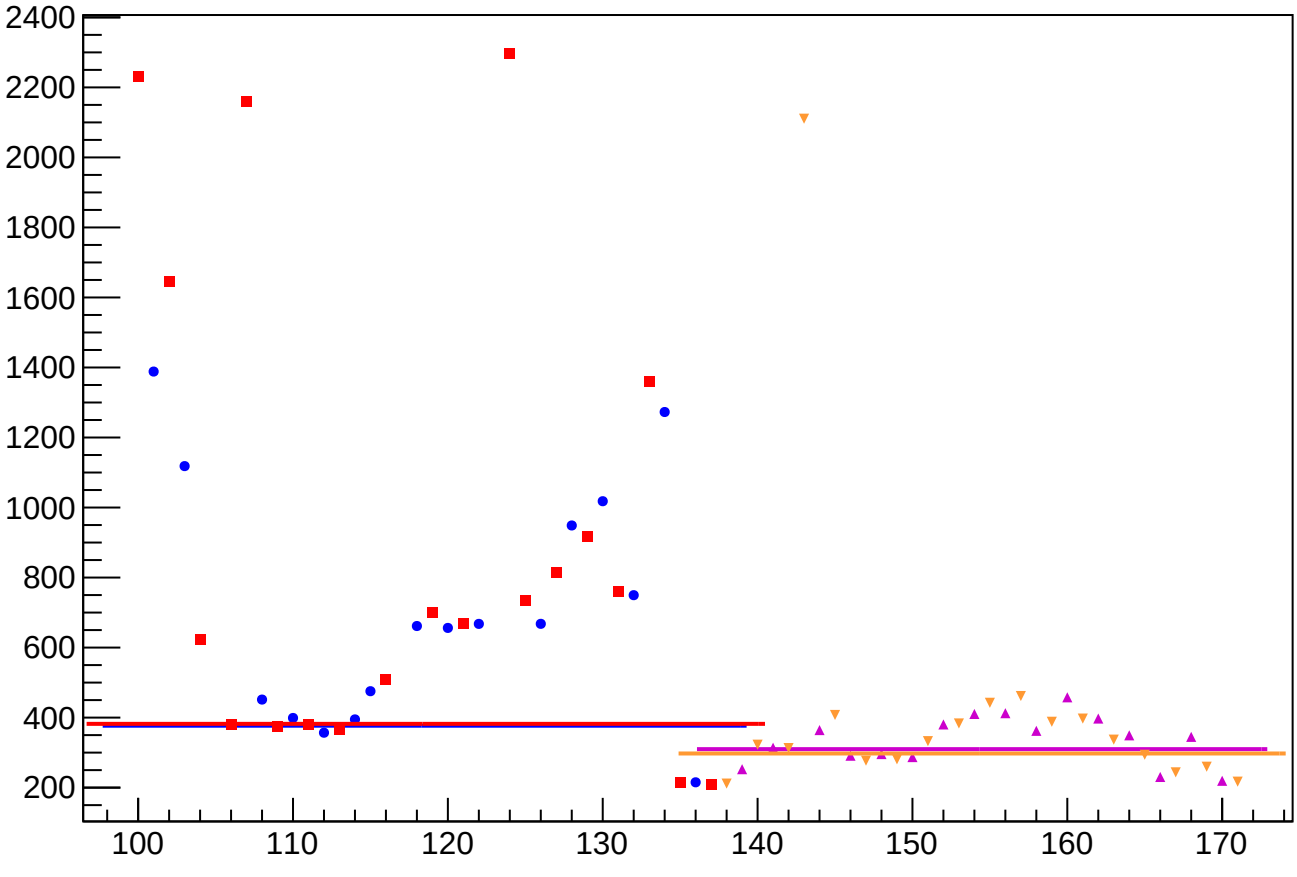
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -77.536+/-53.835 χ^2/NDF: 91.5/68

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: 309.914+/-0.062 χ^2/NDF:1138288.9/15

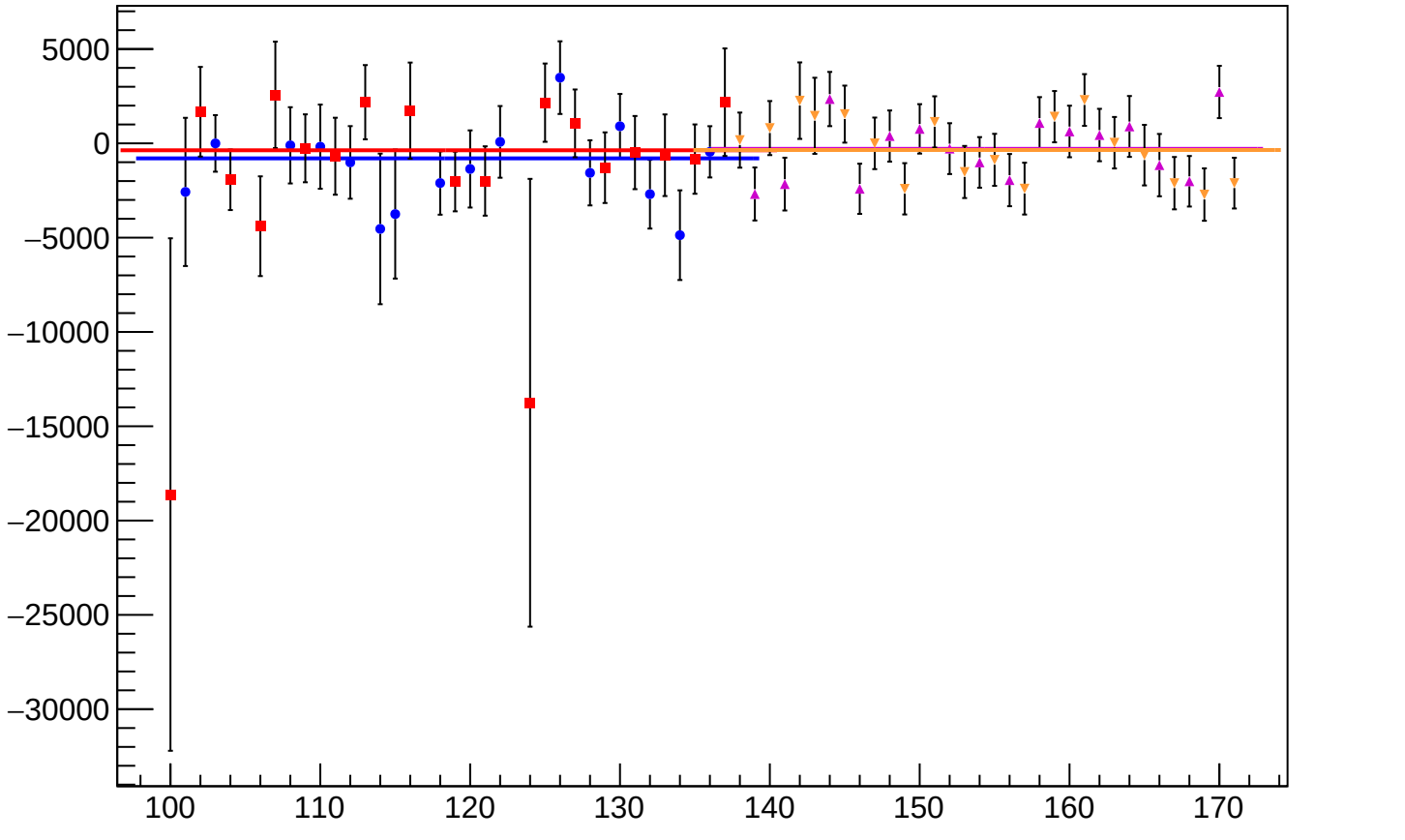
Left: 303.386+/-0.043 χ^2/NDF: 3789361.0/33

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68



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: -292.412+/-348.528 χ^2/NDF:22.1/15

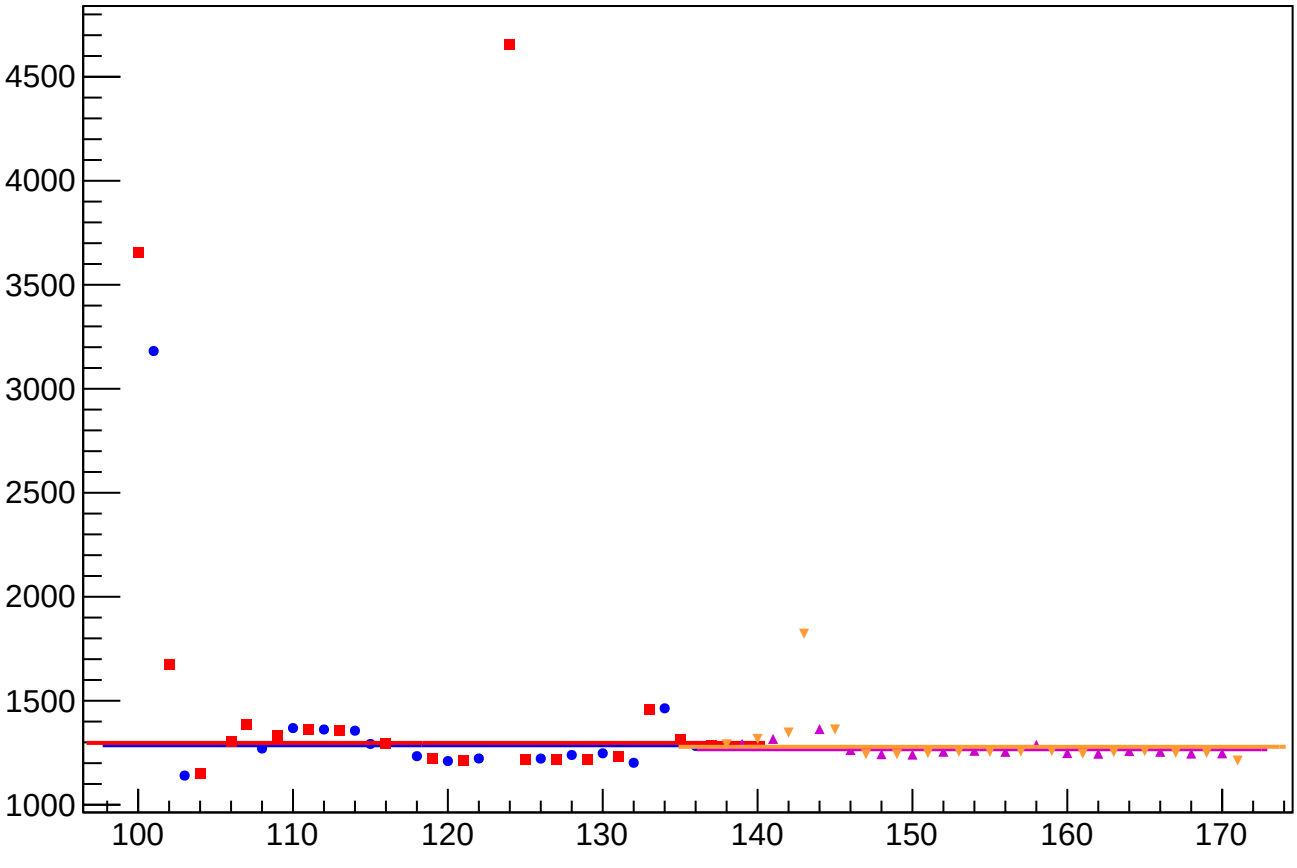
Left: -323.608+/-243.246 χ^2/NDF: 45.4/33

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -463.066+/-283.513 χ^2/NDF:36.3/31

Out: -357.904+/-278.463 χ^2/NDF:38.9/36

All: -409.540+/-198.665 χ^2/NDF: 75.2/68



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: 1266.902+/-0.246 χ^2/NDF:16511.4/15

Left: 1272.970+/-0.172 χ^2/NDF: 187700.4/33

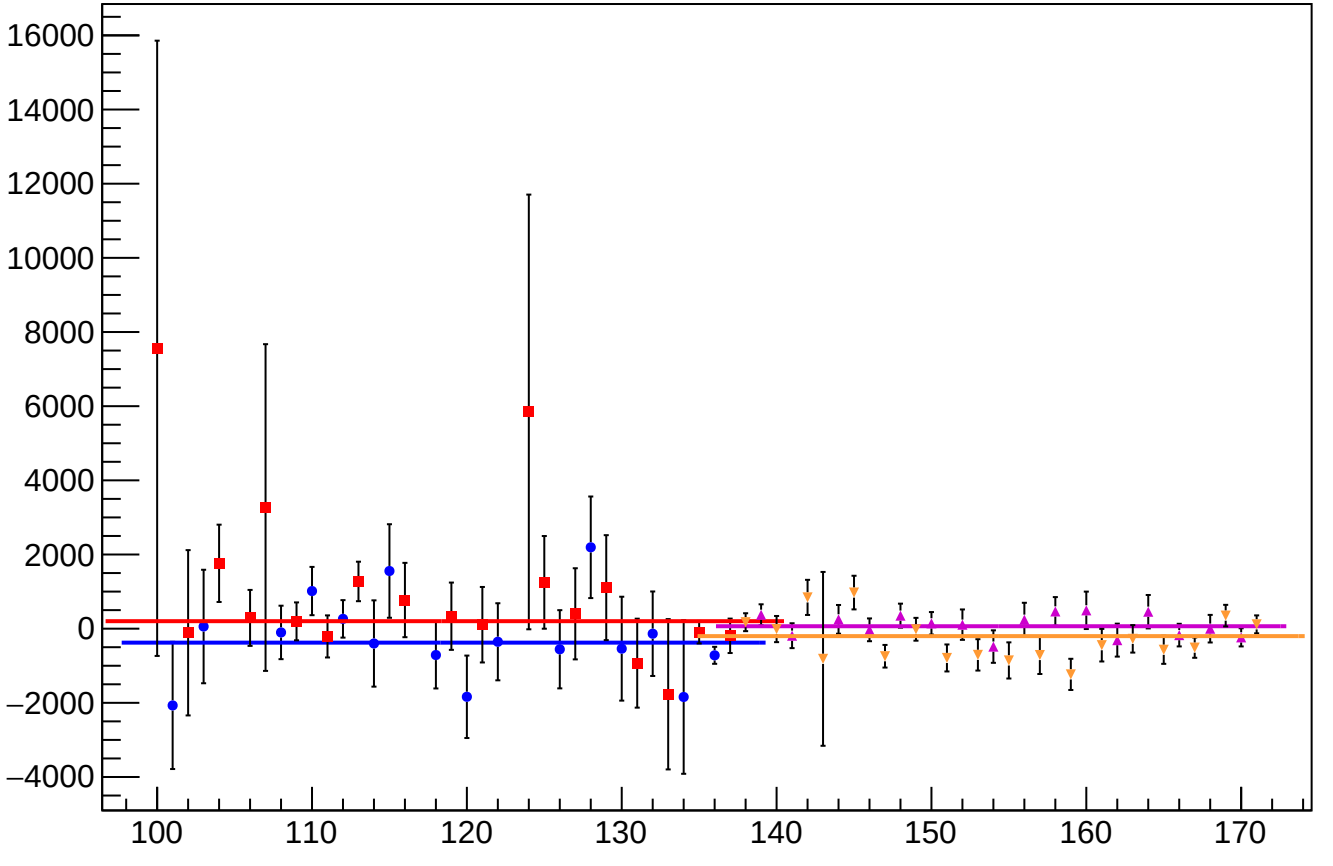
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1273.395+/-0.200 χ^2/NDF:536691.9/31

Out: 1284.851+/-0.197 χ^2/NDF:499727.7/36

All: 1279.226+/-0.140 χ^2/NDF: 1038081.5/68

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: 65.696+/-87.584 χ^2/NDF:10.1/15

Left: -74.534+/-60.320 χ^2/NDF: 53.6/33

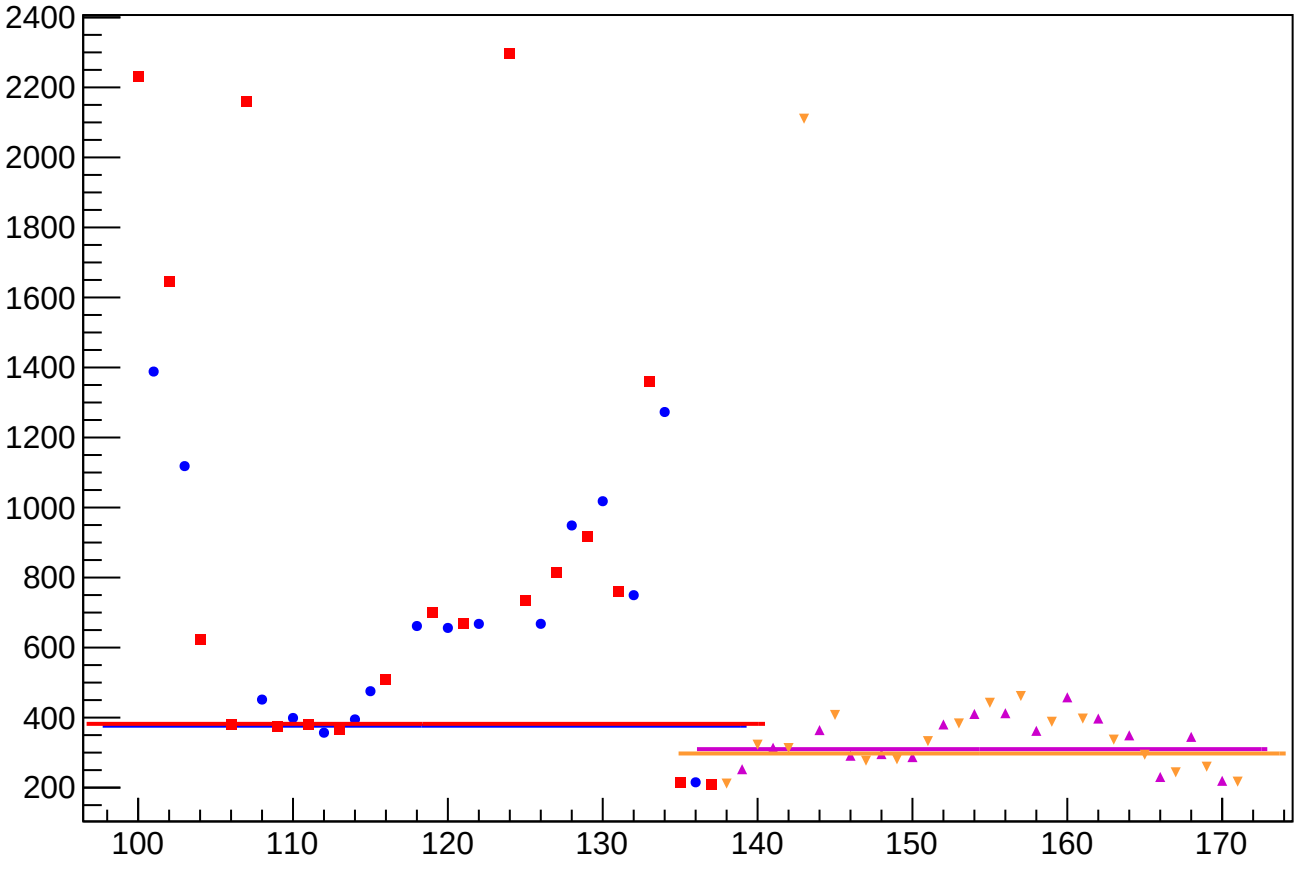
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: -28.664+/-77.686 χ^2/NDF:33.5/31

Out: -122.691+/-74.673 χ^2/NDF:57.3/36

All: -77.536+/-53.835 χ^2/NDF: 91.5/68

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: 309.914+/-0.062 χ^2/NDF:1138288.9/15

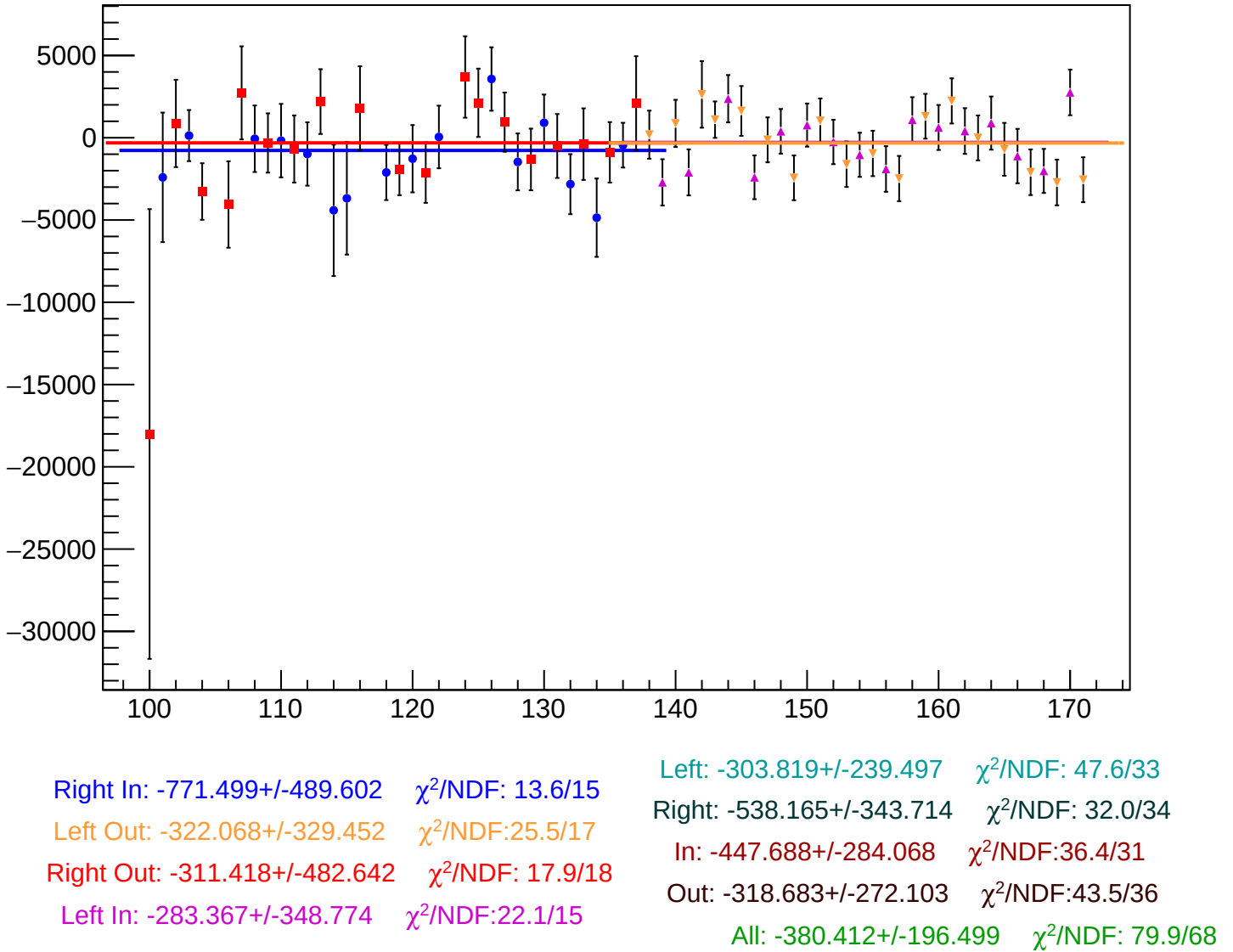
Left: 303.386+/-0.043 χ^2/NDF: 3789361.0/33

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 324.196+/-0.055 χ^2/NDF:5580992.1/31

Out: 313.947+/-0.053 χ^2/NDF:7091892.9/36

All: 318.869+/-0.038 χ^2/NDF: 12690976.8/68


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug, Sign Corrected
5000
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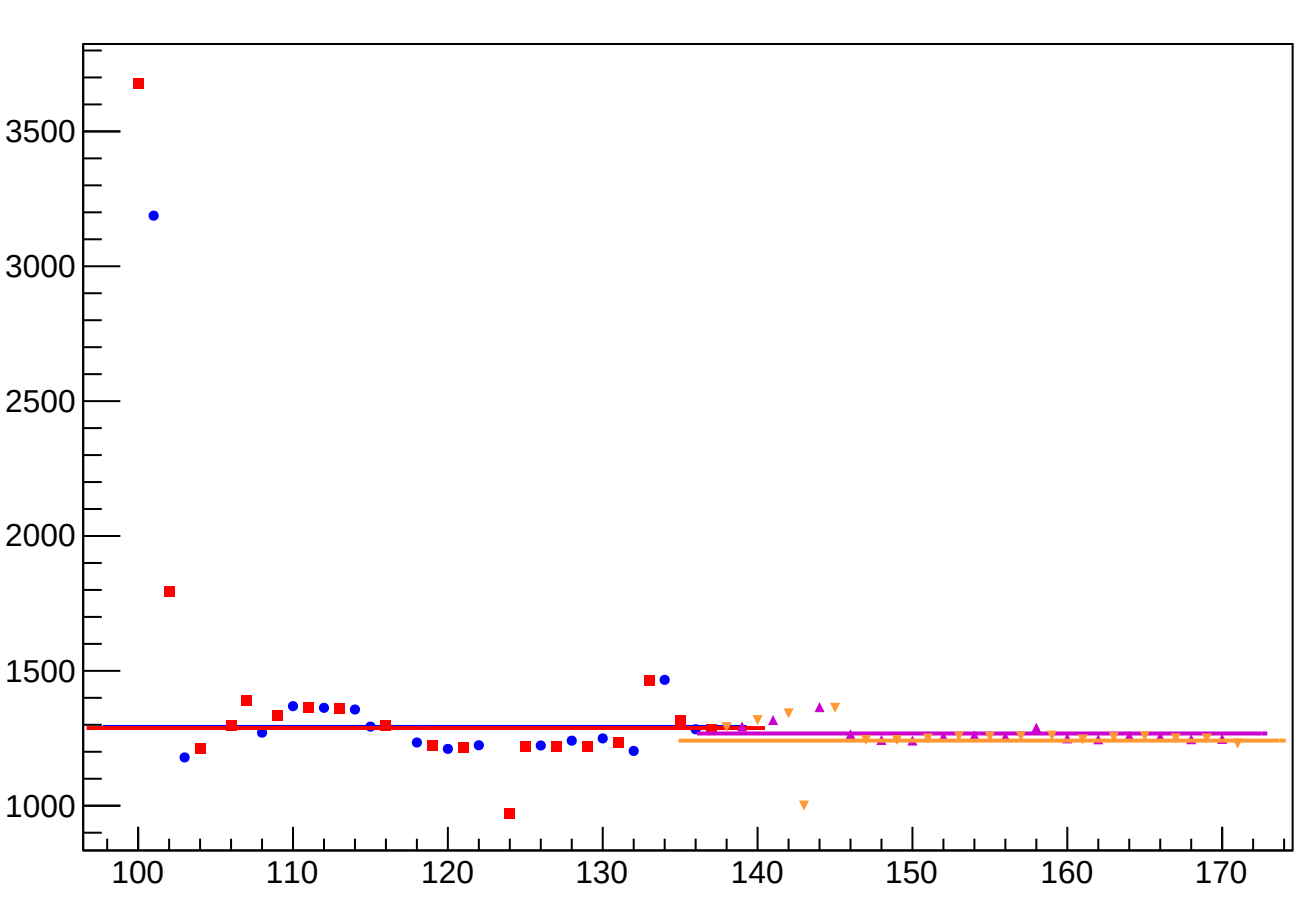
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.499+/-489.602 χ²/NDF: 13.6/15
Left Out: -322.068+/-329.452 χ²/NDF:25.5/17
Right Out: -311.418+/-482.642 χ²/NDF: 17.9/18
Left In: -283.367+/-348.774 χ²/NDF:22.1/15
Left: -303.819+/-239.497 χ²/NDF: 47.6/33
Right: -538.165+/-343.714 χ²/NDF: 32.0/34
In: -447.688+/-284.068 χ²/NDF:36.4/31
Out: -318.683+/-272.103 χ²/NDF:43.5/36
All: -380.412+/-196.499 χ²/NDF: 79.9/68



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: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1253.831+/-0.169 χ^2/NDF: 145140.5/33

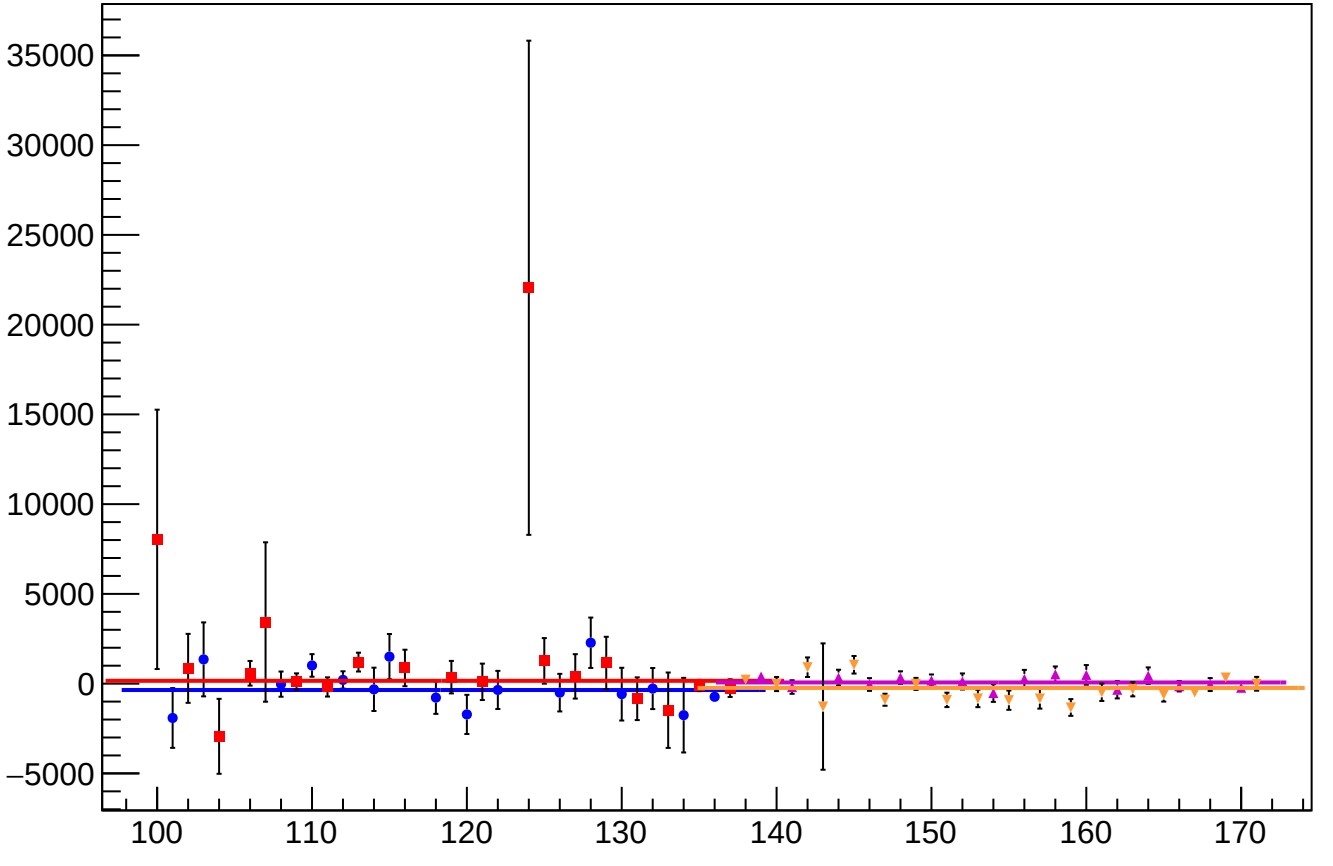
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1275.954+/-0.201 χ^2/NDF:529314.0/31

Out: 1256.190+/-0.192 χ^2/NDF:344357.5/36

All: 1265.647+/-0.139 χ^2/NDF: 878720.4/68

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: 66.045+/-91.826 χ^2/NDF:9.9/15

Left: -88.474+/-64.469 χ^2/NDF: 54.4/33

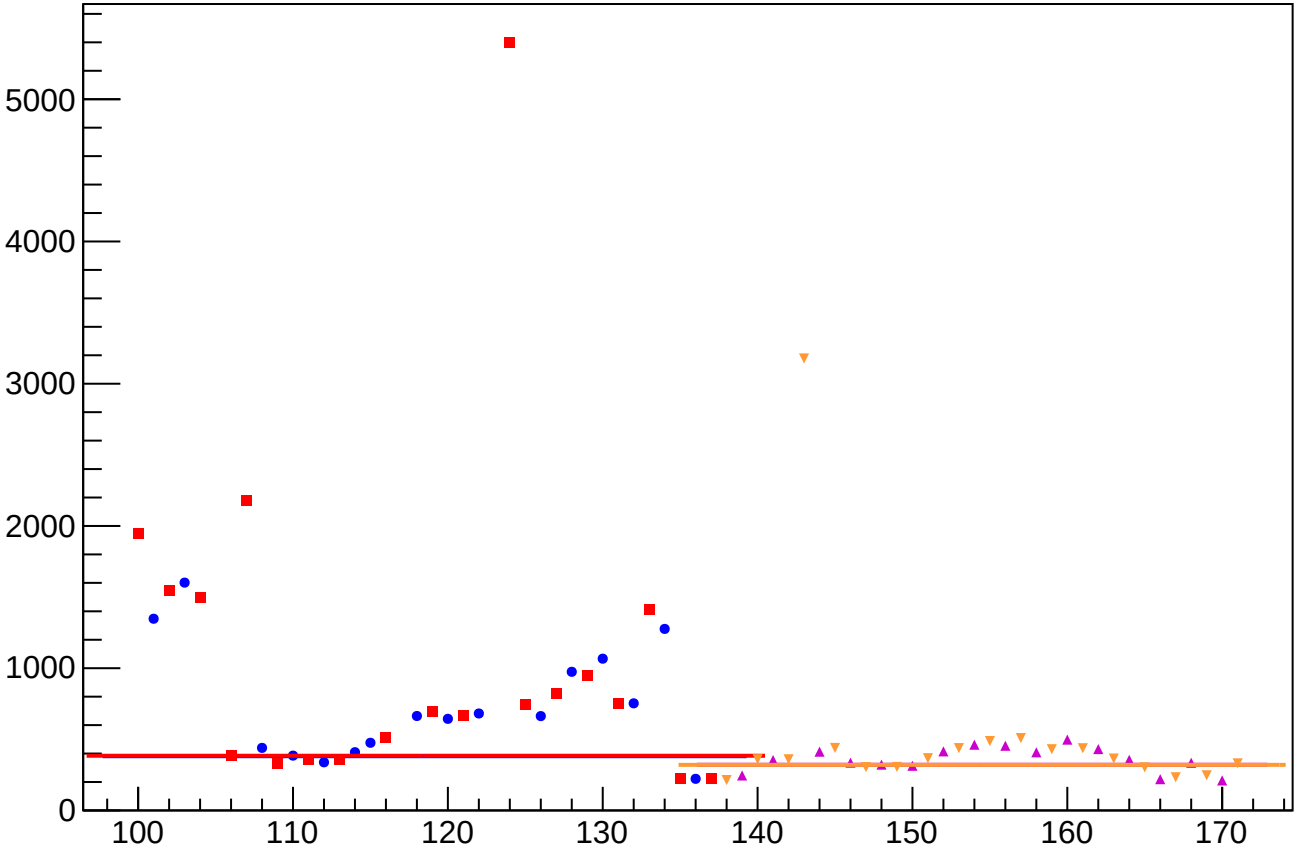
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: -29.132+/-80.790 χ^2/NDF:33.1/31

Out: -150.776+/-79.873 χ^2/NDF:59.0/36

All: -90.648+/-56.800 χ^2/NDF: 93.3/68

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: 321.050+/-0.065 χ^2/NDF:1739700.2/15

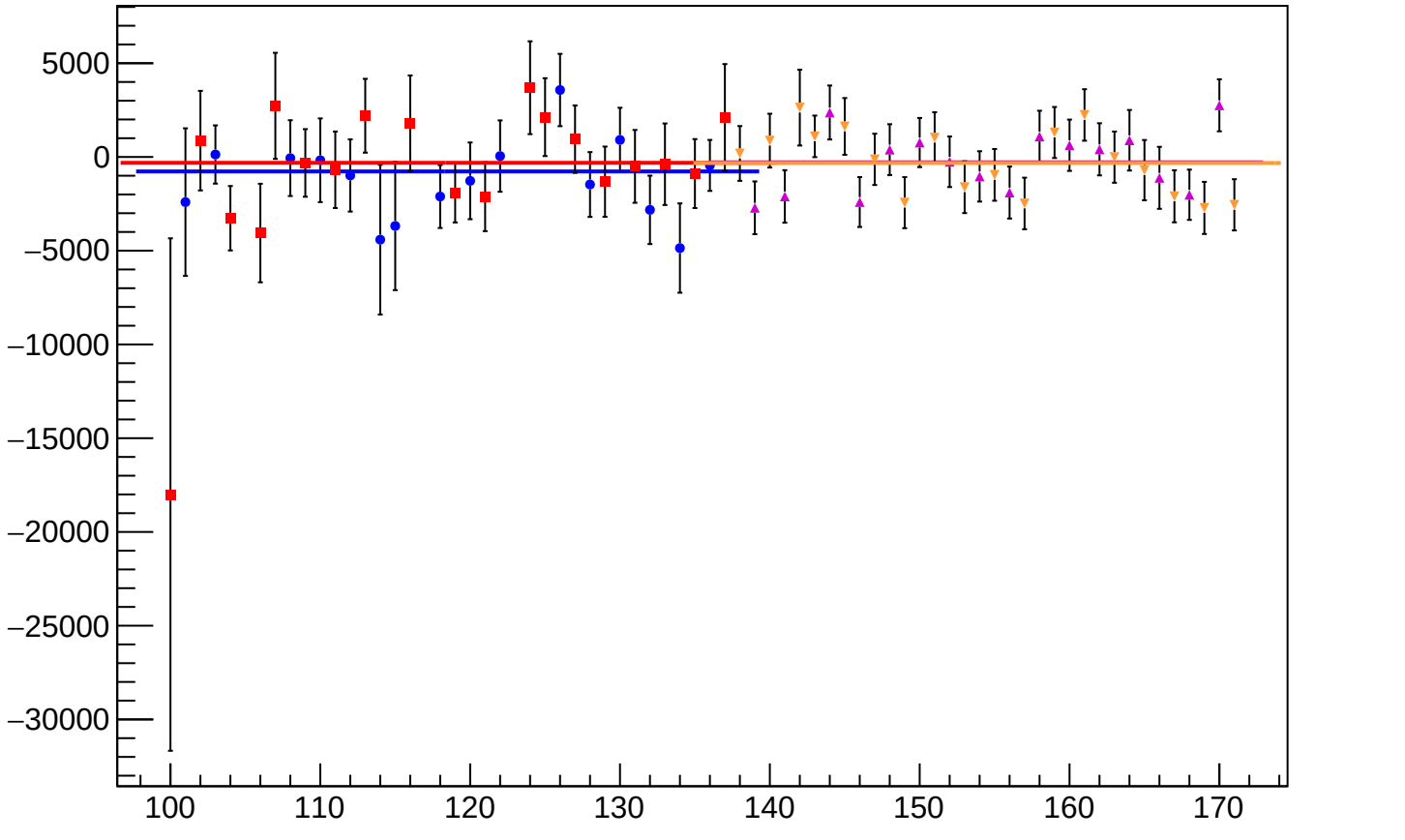
Left: 320.841+/-0.046 χ^2/NDF: 4784240.3/33

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 334.674+/-0.057 χ^2/NDF:6252463.1/31

Out: 334.824+/-0.056 χ^2/NDF:7826337.0/36

All: 334.750+/-0.040 χ^2/NDF: 14078803.6/68



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -322.067+/-329.452 χ^2/NDF:25.5/17

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -283.368+/-348.774 χ^2/NDF:22.1/15

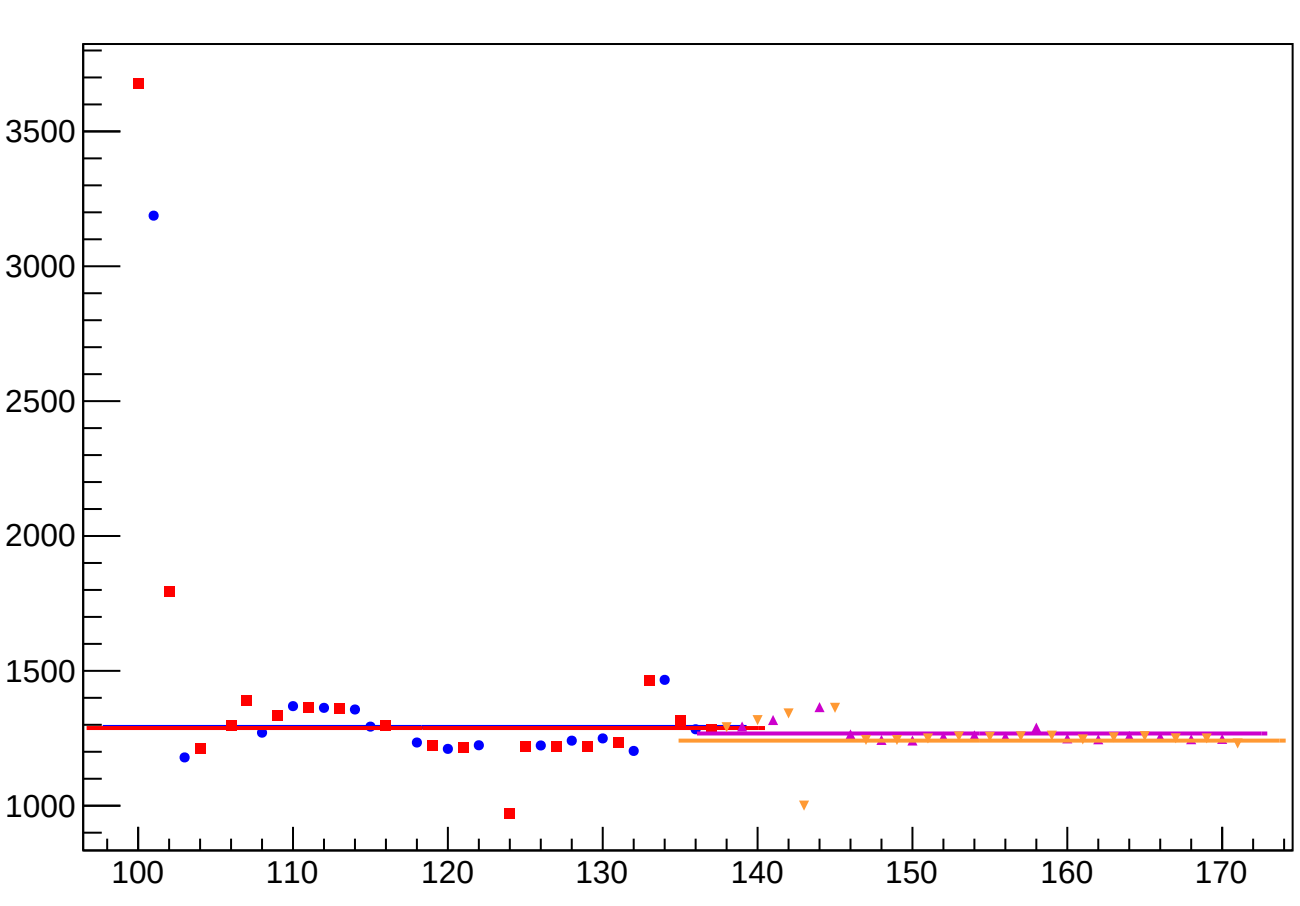
Left: -303.819+/-239.497 χ^2/NDF: 47.6/33

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -447.689+/-284.068 χ^2/NDF:36.4/31

Out: -318.683+/-272.103 χ^2/NDF:43.5/36

All: -380.412+/-196.499 χ^2/NDF: 79.9/68



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: 1267.792+/-0.247 χ^2/NDF:16654.1/15

Left: 1253.831+/-0.169 χ^2/NDF: 145139.7/33

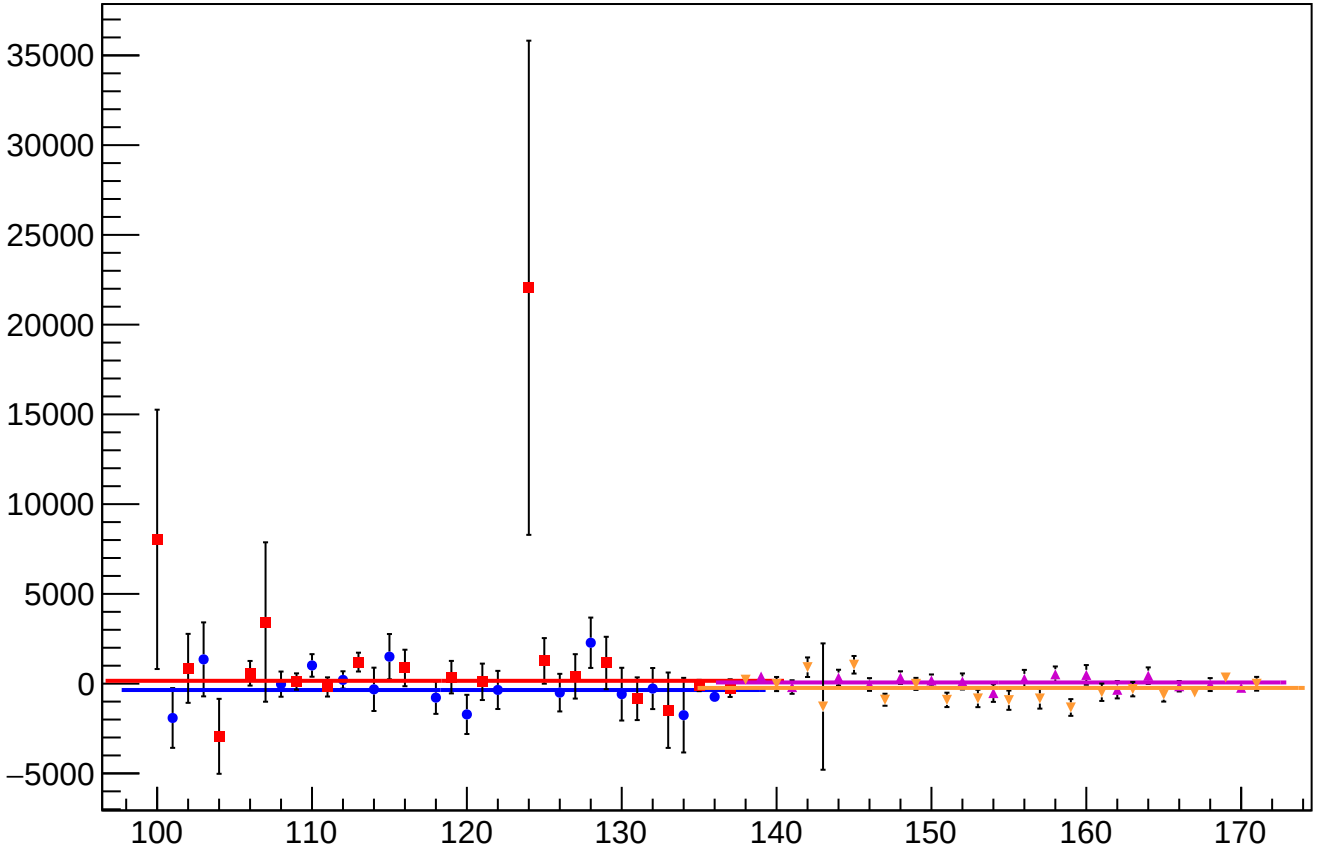
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1275.954+/-0.201 χ^2/NDF:529314.1/31

Out: 1256.190+/-0.192 χ^2/NDF:344357.0/36

All: 1265.647+/-0.139 χ^2/NDF: 878719.8/68

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: 66.042+/-91.827 χ^2/NDF:9.9/15

Left: -88.479+/-64.469 χ^2/NDF: 54.4/33

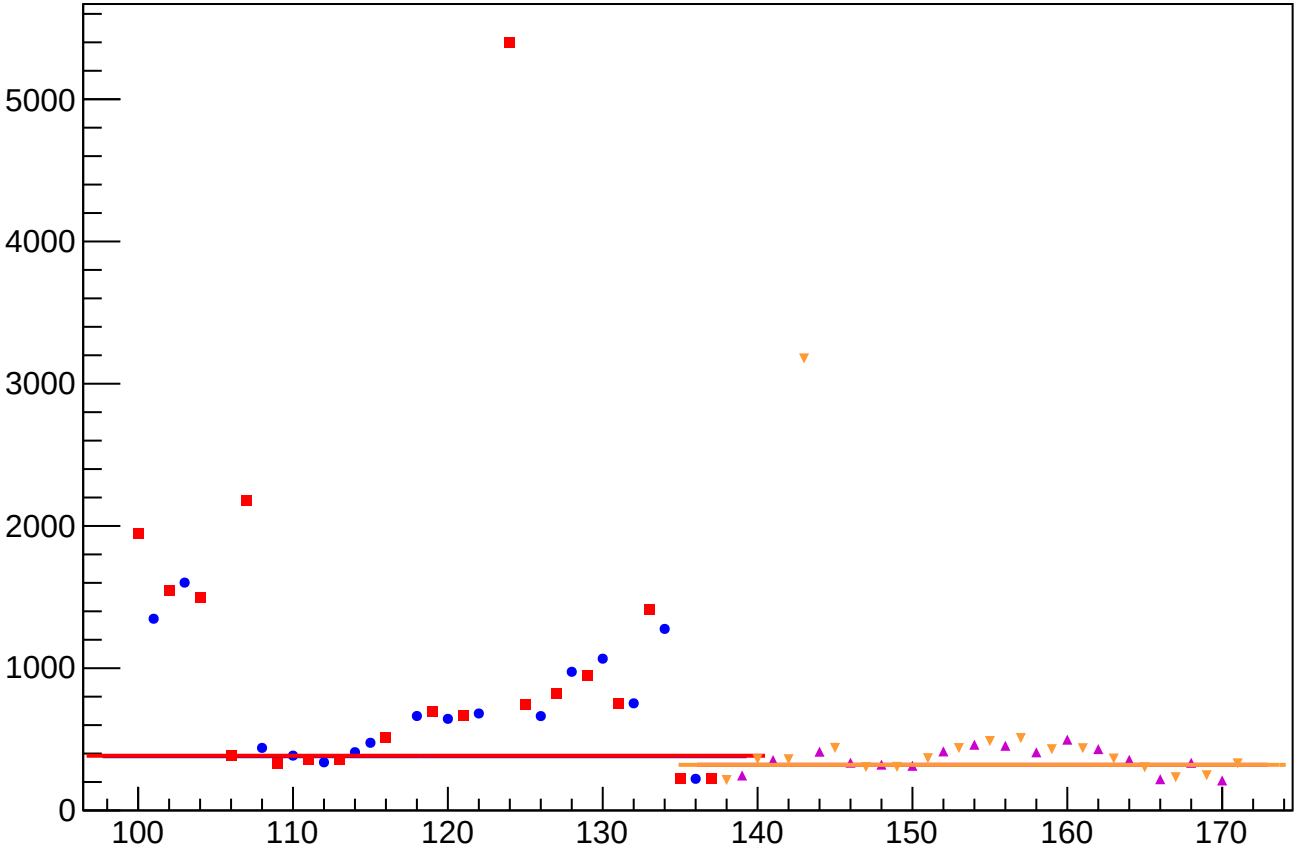
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: -29.132+/-80.791 χ^2/NDF:33.1/31

Out: -150.782+/-79.874 χ^2/NDF:59.0/36

All: -90.651+/-56.801 χ^2/NDF: 93.3/68

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: 321.052+/-0.065 χ^2/NDF:1739642.4/15

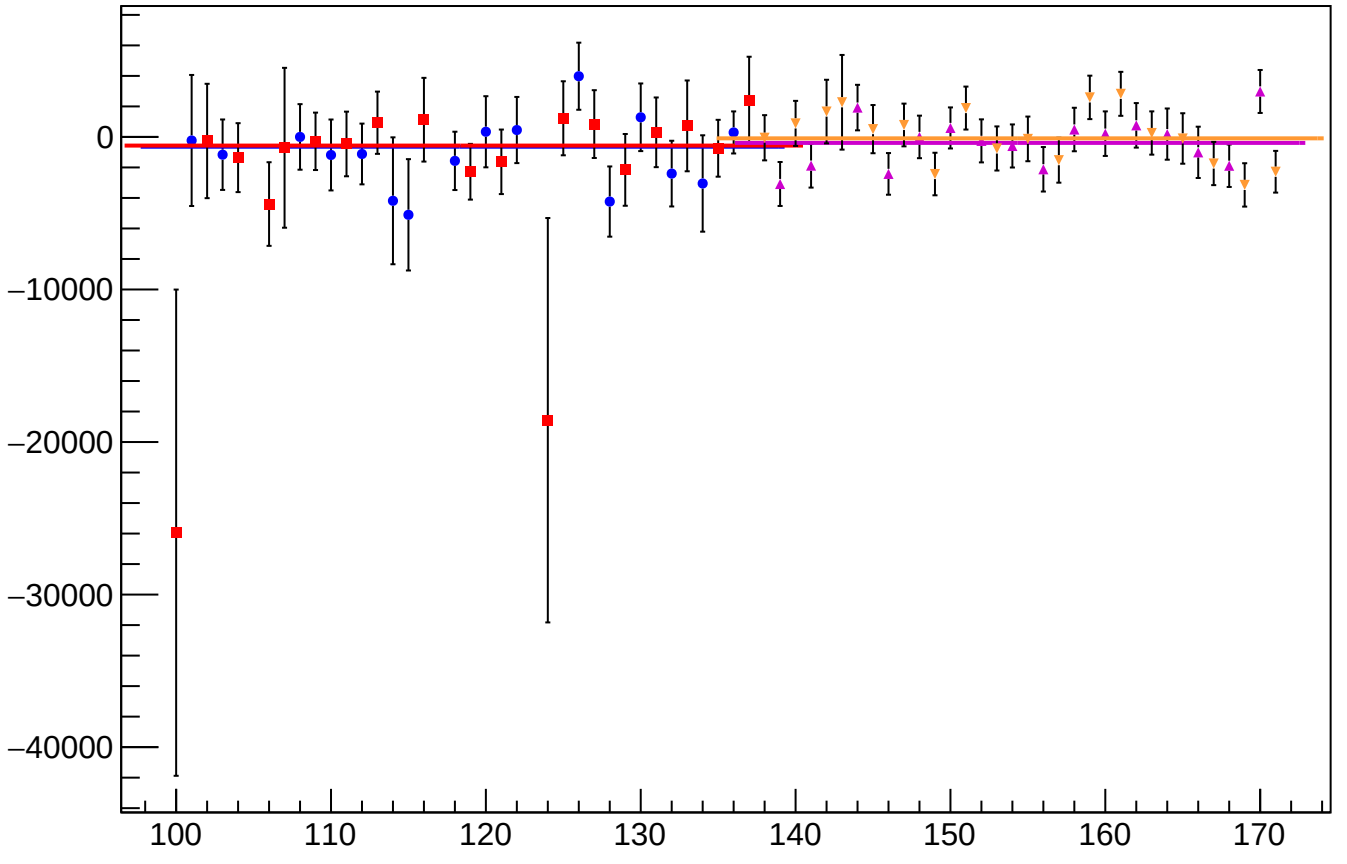
Left: 320.843+/-0.046 χ^2/NDF: 4784057.9/33

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 334.677+/-0.057 χ^2/NDF:6252267.9/31

Out: 334.828+/-0.056 χ^2/NDF:7826101.6/36

All: 334.753+/-0.040 χ^2/NDF: 14078373.1/68



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: -391.099+/-361.590 χ^2/NDF:19.5/15

Left: -238.815+/-253.236 χ^2/NDF: 44.3/33

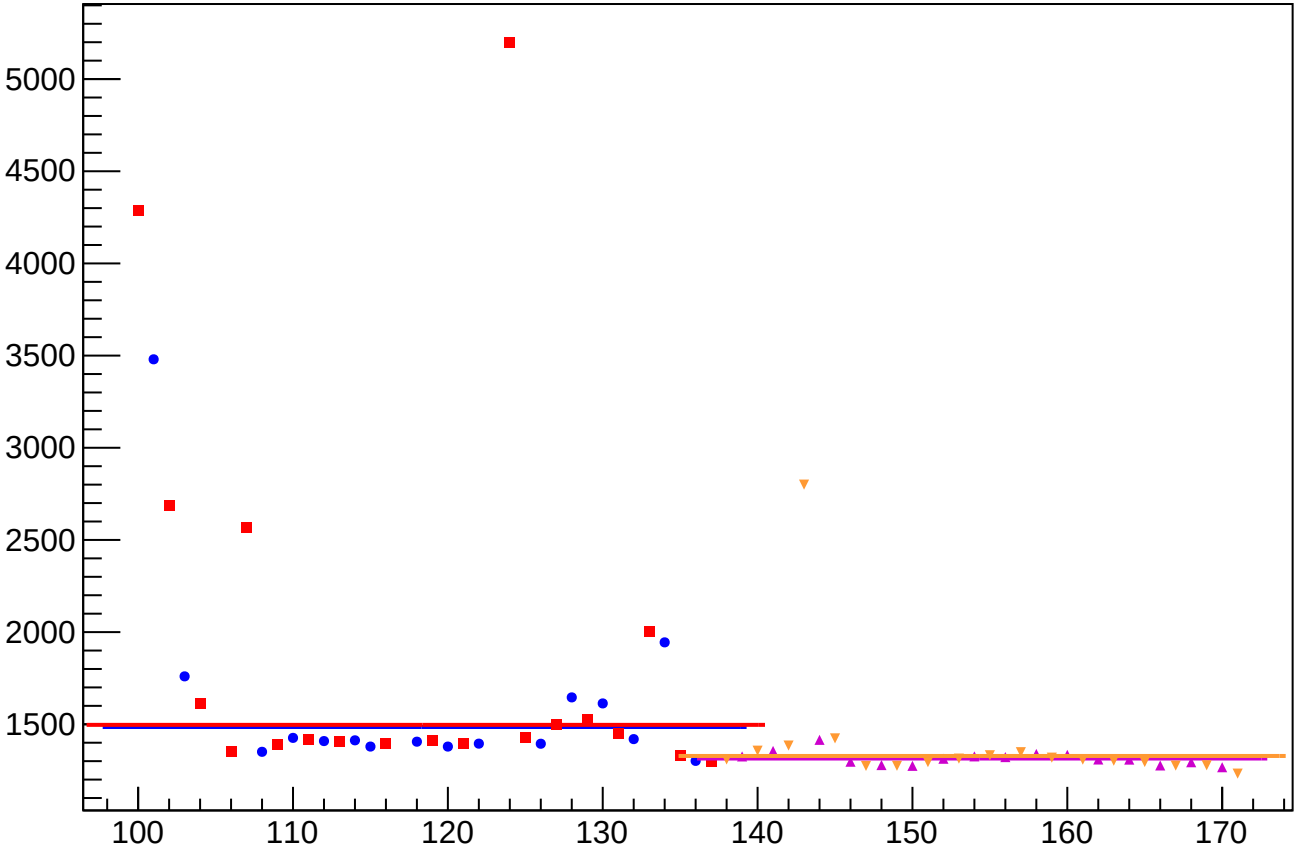
Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -463.776+/-304.460 χ^2/NDF:32.2/31

Out: -225.949+/-300.715 χ^2/NDF:36.3/36

All: -343.391+/-213.949 χ^2/NDF: 68.7/68

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: 1314.277+/-0.256 χ^2/NDF:19225.9/15

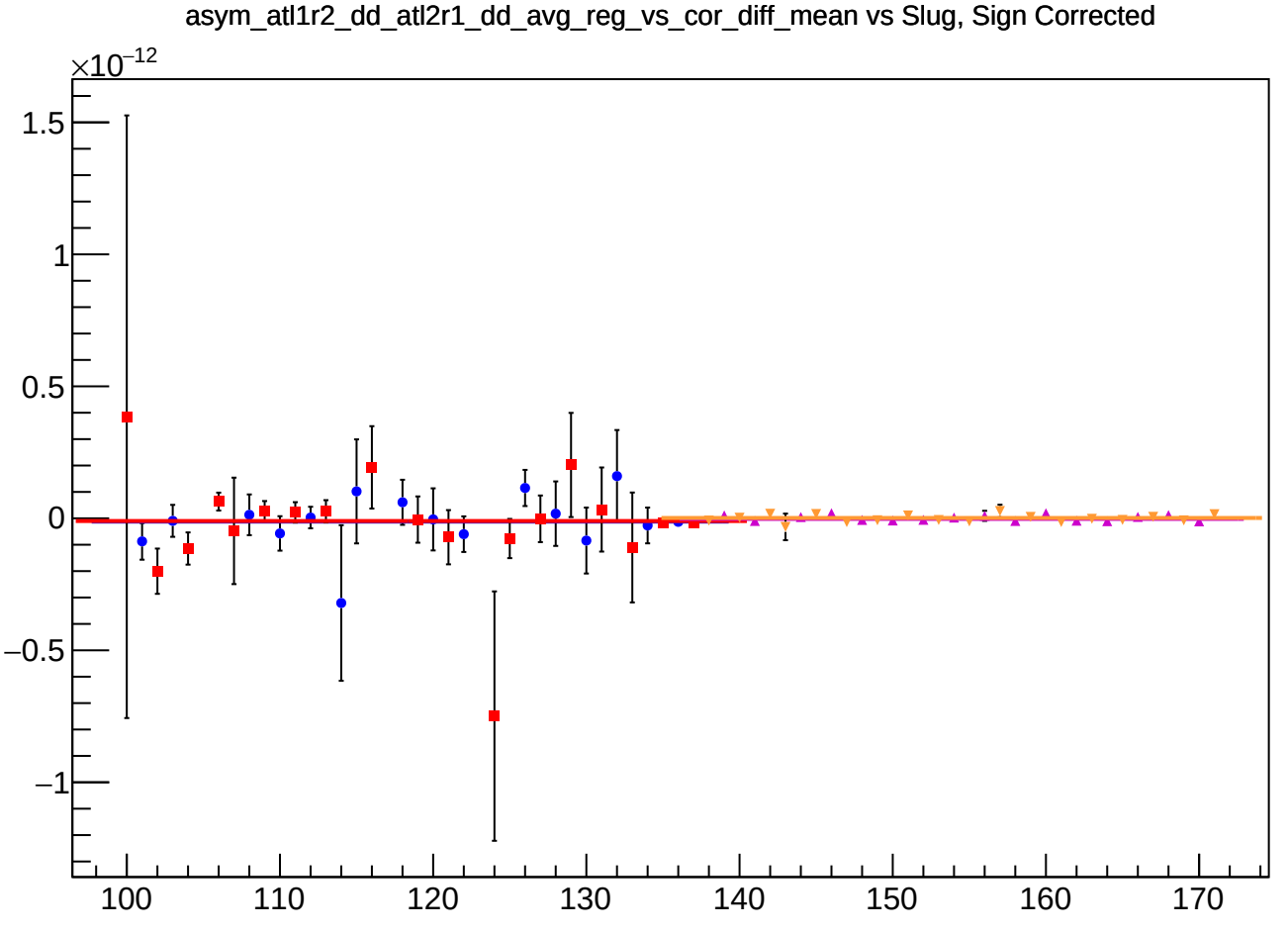
Left: 1321.336+/-0.179 χ^2/NDF: 505146.1/33

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1364.070+/-0.215 χ^2/NDF:734013.7/31

Out: 1375.632+/-0.213 χ^2/NDF:1235078.1/36

All: 1369.923+/-0.151 χ^2/NDF: 1970551.7/68



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:17.8/15

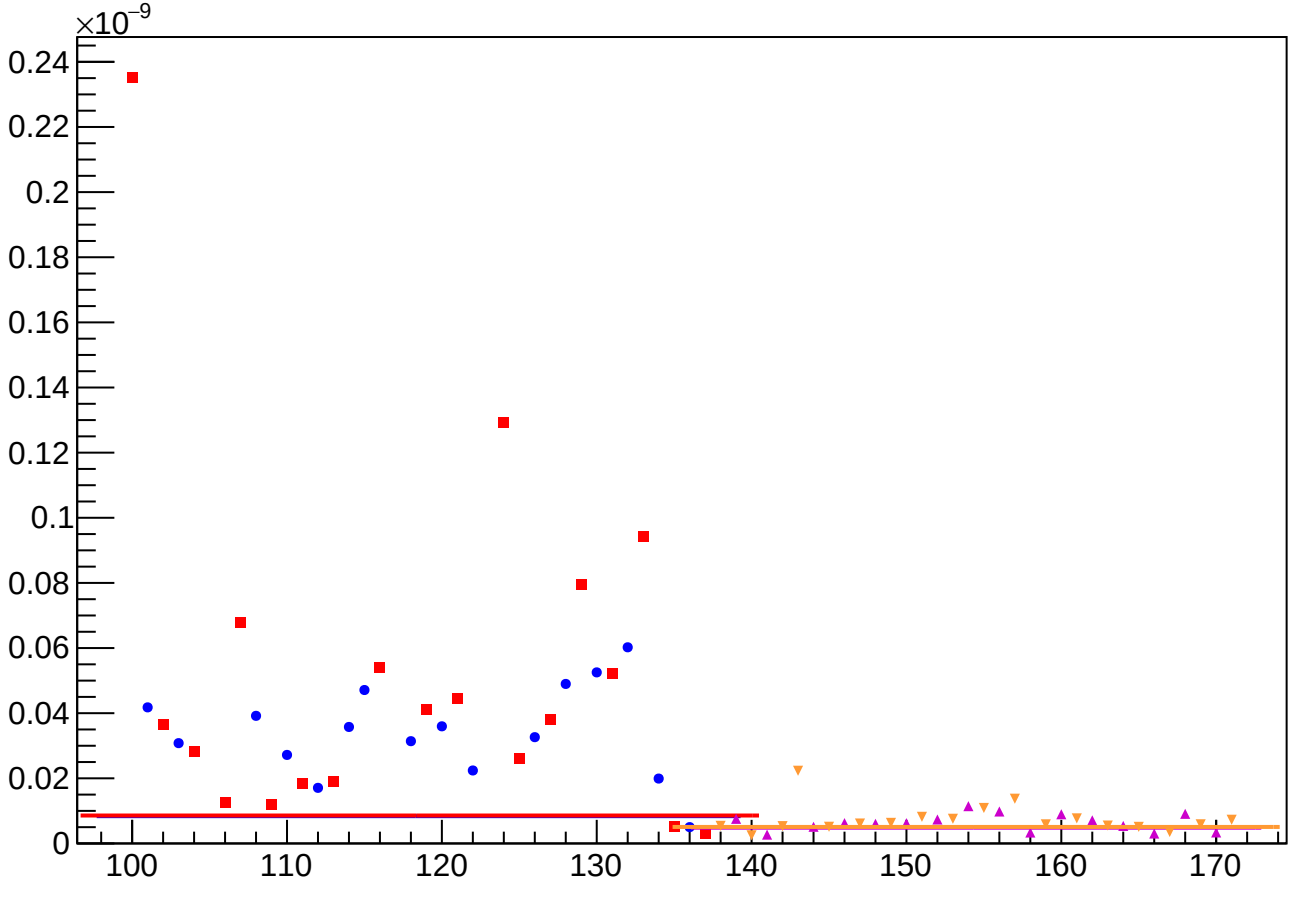
Left: -0.000+/-0.000 χ^2/NDF: 35.8/33

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:28.9/31

Out: 0.000+/-0.000 χ^2/NDF:41.0/36

All: -0.000+/-0.000 χ^2/NDF: 71.3/68



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:1687671.3/15

Left: 0.000+/-0.000 χ^2/NDF: 3533355.2/33

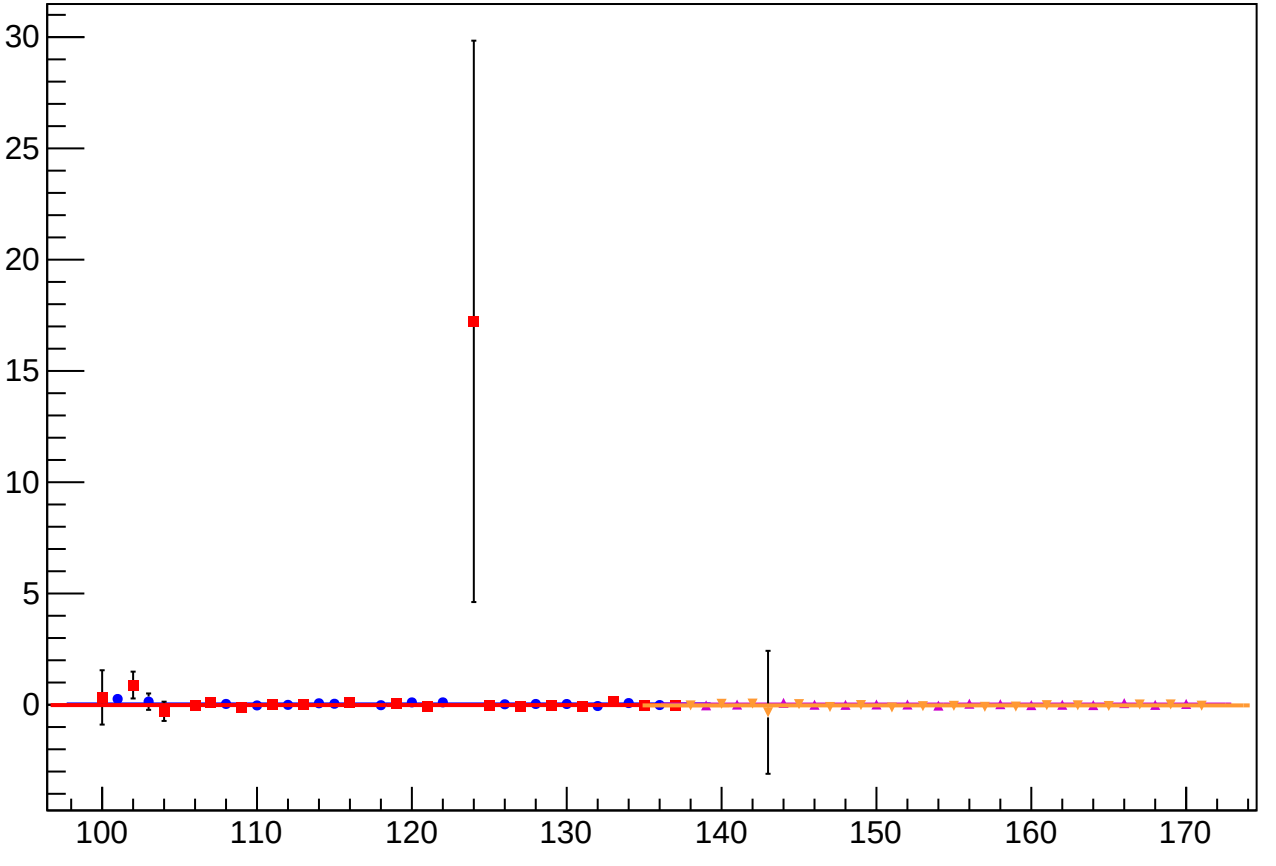
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5159743.8/31

Out: 0.000+/-0.000 χ^2/NDF:5537997.6/36

All: 0.000+/-0.000 χ^2/NDF: 10704031.6/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

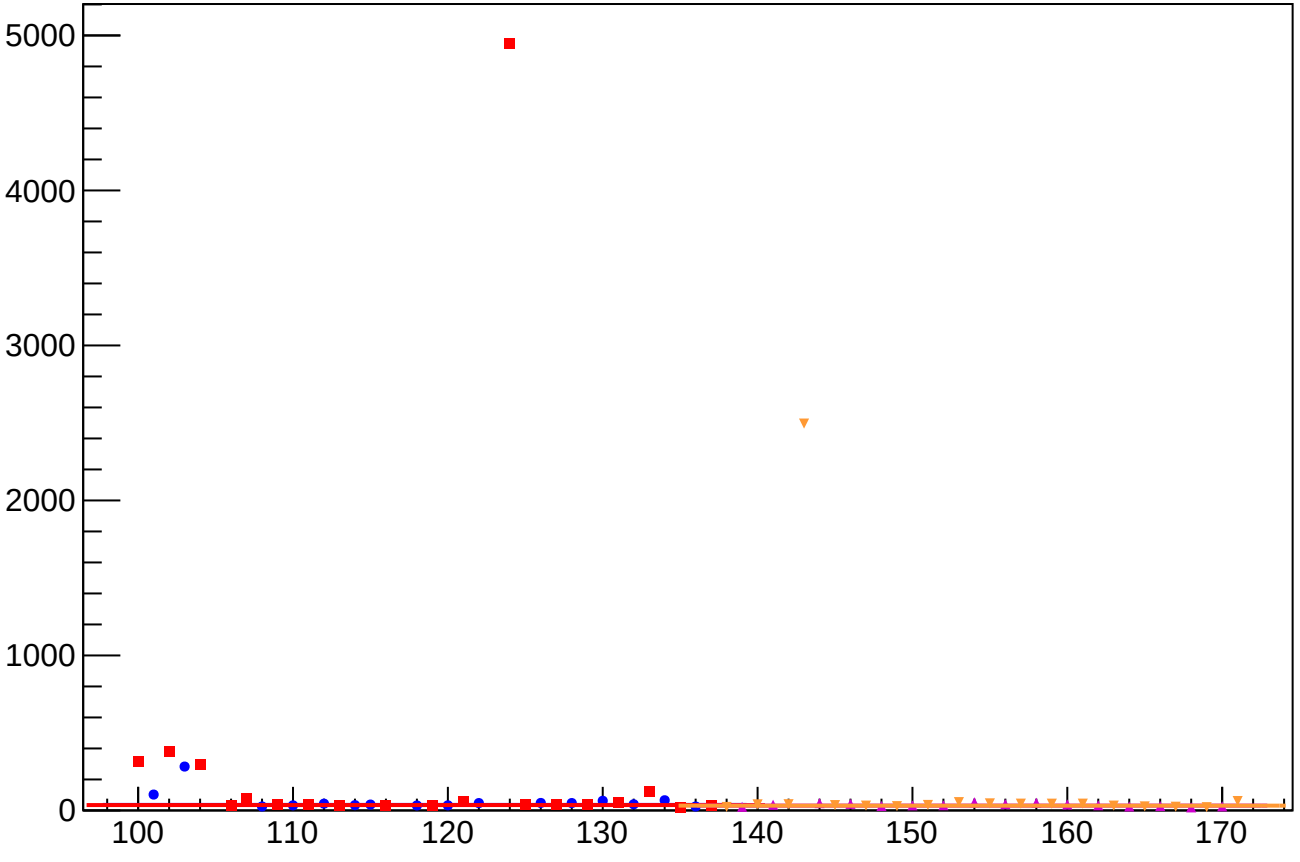
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.158+/-0.007 χ^2/NDF:1662854.0/15

Left: 31.102+/-0.005 χ^2/NDF: 5051961.2/33

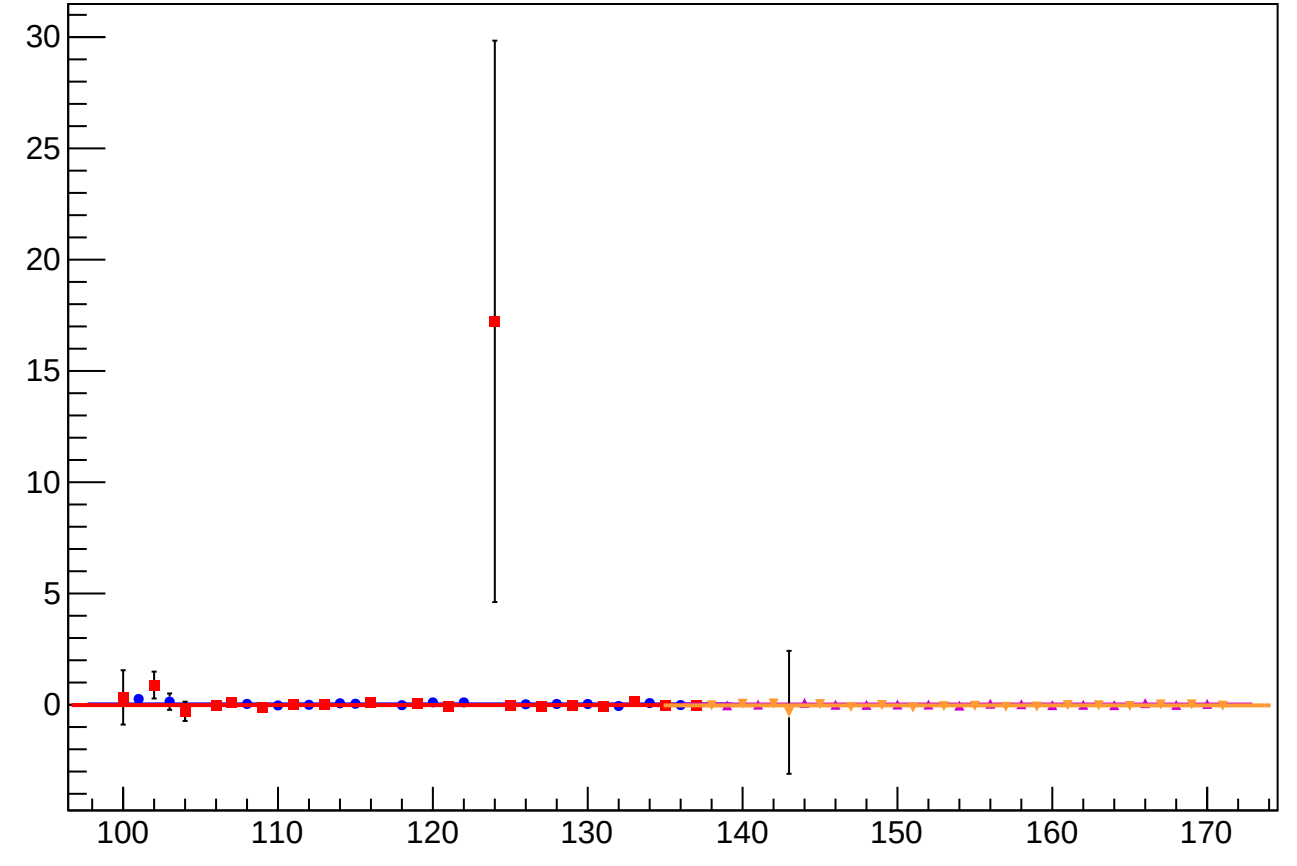
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

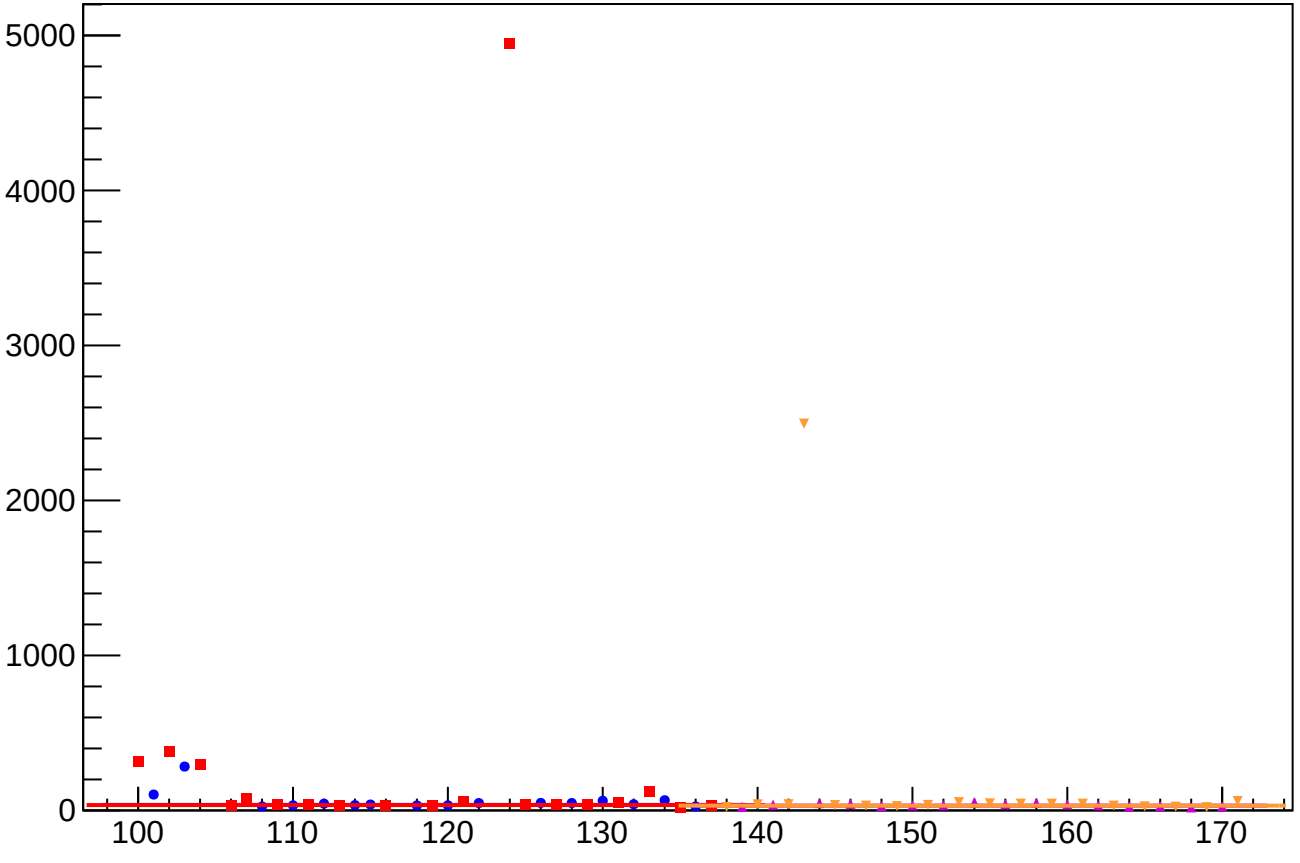
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.158+/-0.007 χ^2/NDF:1662854.0/15

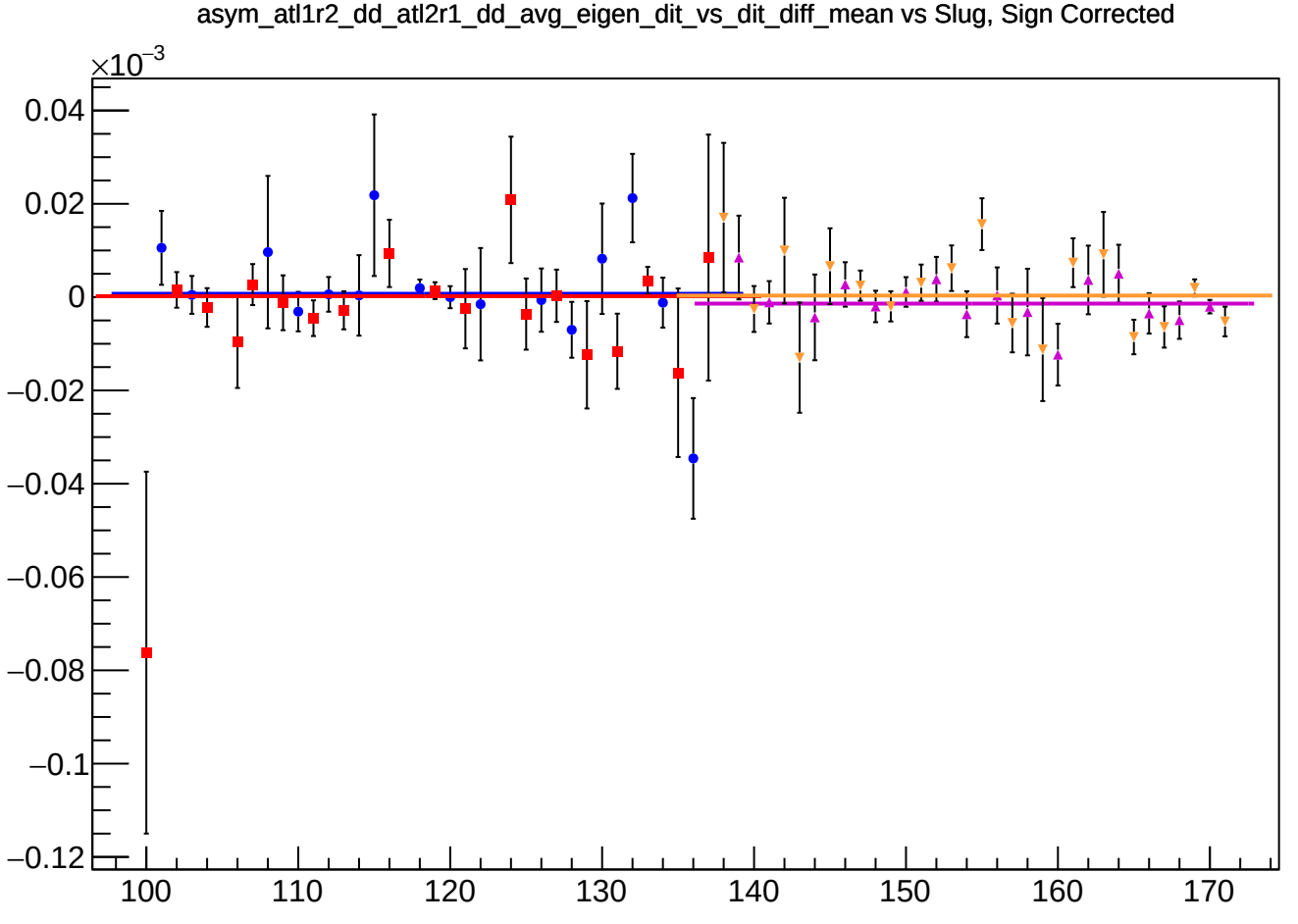
Left: 31.102+/-0.005 χ^2/NDF: 5051961.2/33

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.424+/-0.006 χ^2/NDF:4055110.7/31

Out: 32.068+/-0.006 χ^2/NDF:6387003.5/36

All: 32.247+/-0.004 χ^2/NDF: 10444036.4/68



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:9.7/15

Left: -0.000+/-0.000 χ^2/NDF: 42.5/33

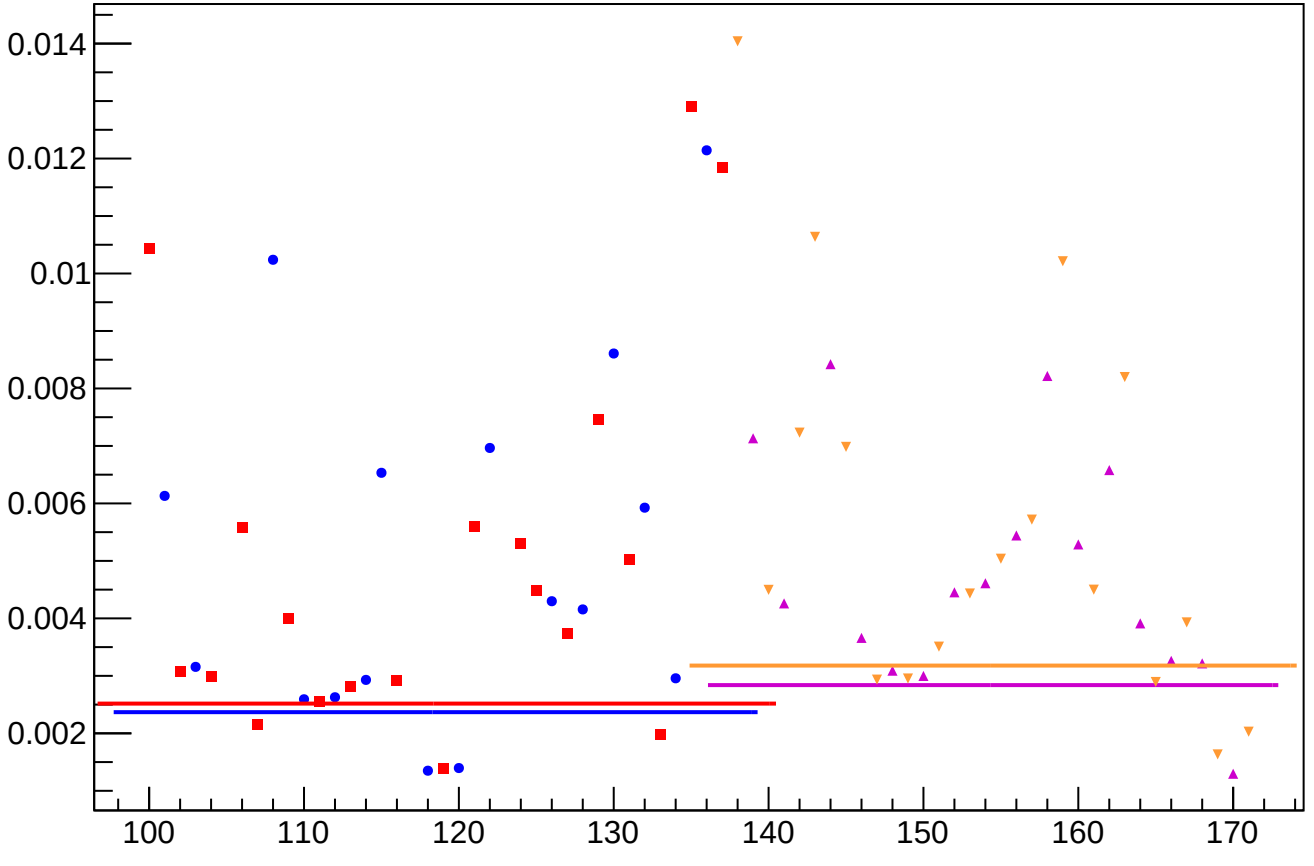
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:30.9/31

Out: 0.000+/-0.000 χ^2/NDF:49.3/36

All: -0.000+/-0.000 χ^2/NDF: 80.7/68

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:6167921.6/15

Left: 0.003+/-0.000 χ^2/NDF: 12877022.0/33

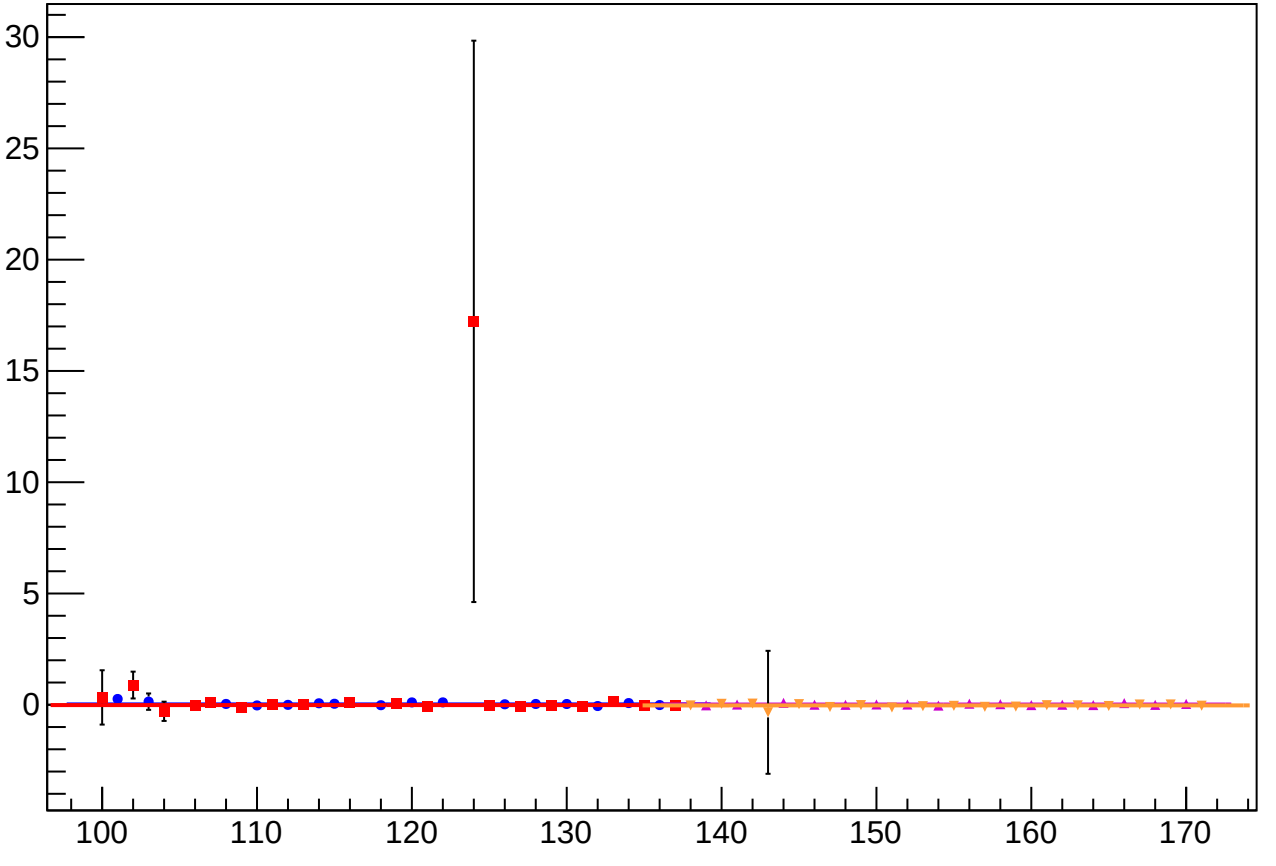
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.003+/-0.000 χ^2/NDF:11096704.6/31

Out: 0.003+/-0.000 χ^2/NDF:10398152.6/36

All: 0.003+/-0.000 χ^2/NDF: 21598379.3/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

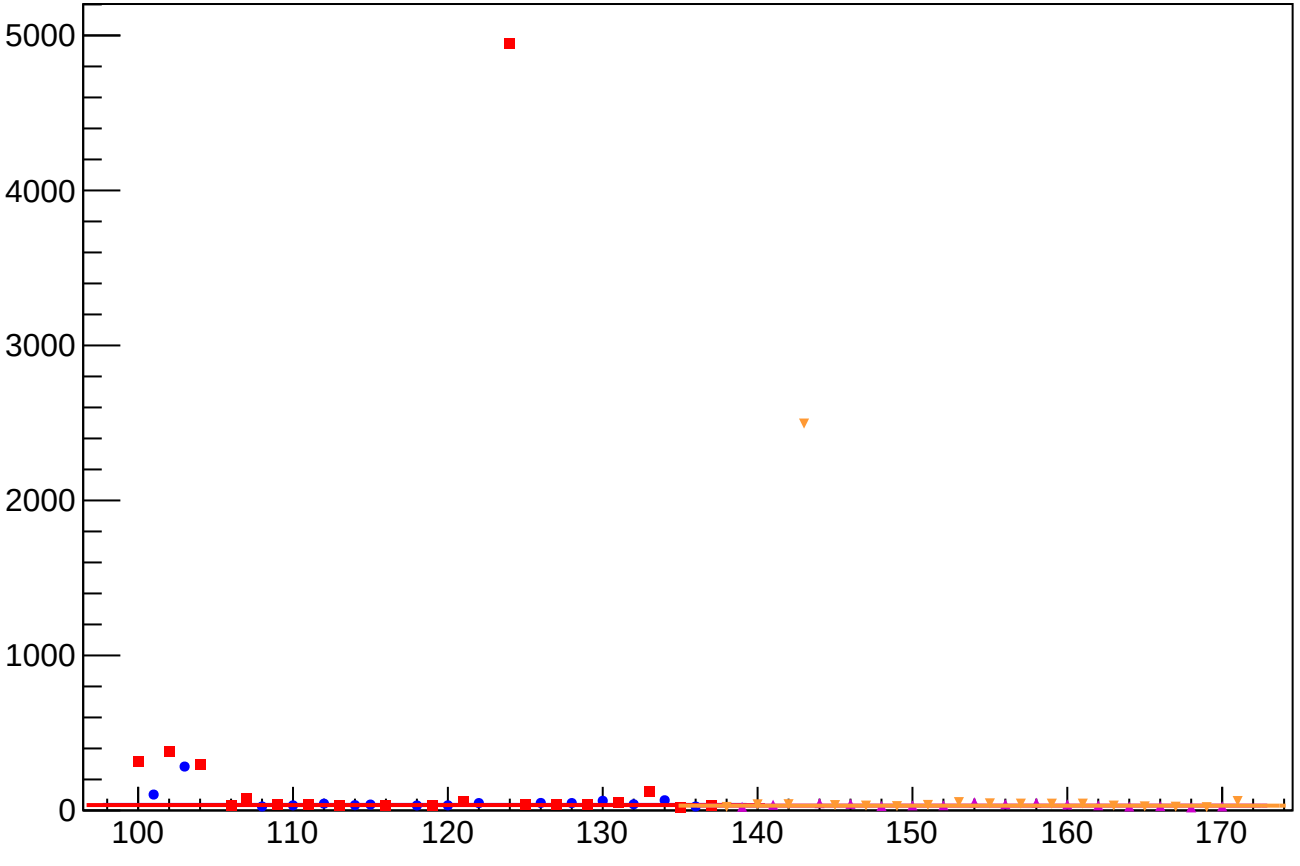
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.157+/-0.007 χ^2/NDF:1663416.5/15

Left: 31.102+/-0.005 χ^2/NDF: 5052782.6/33

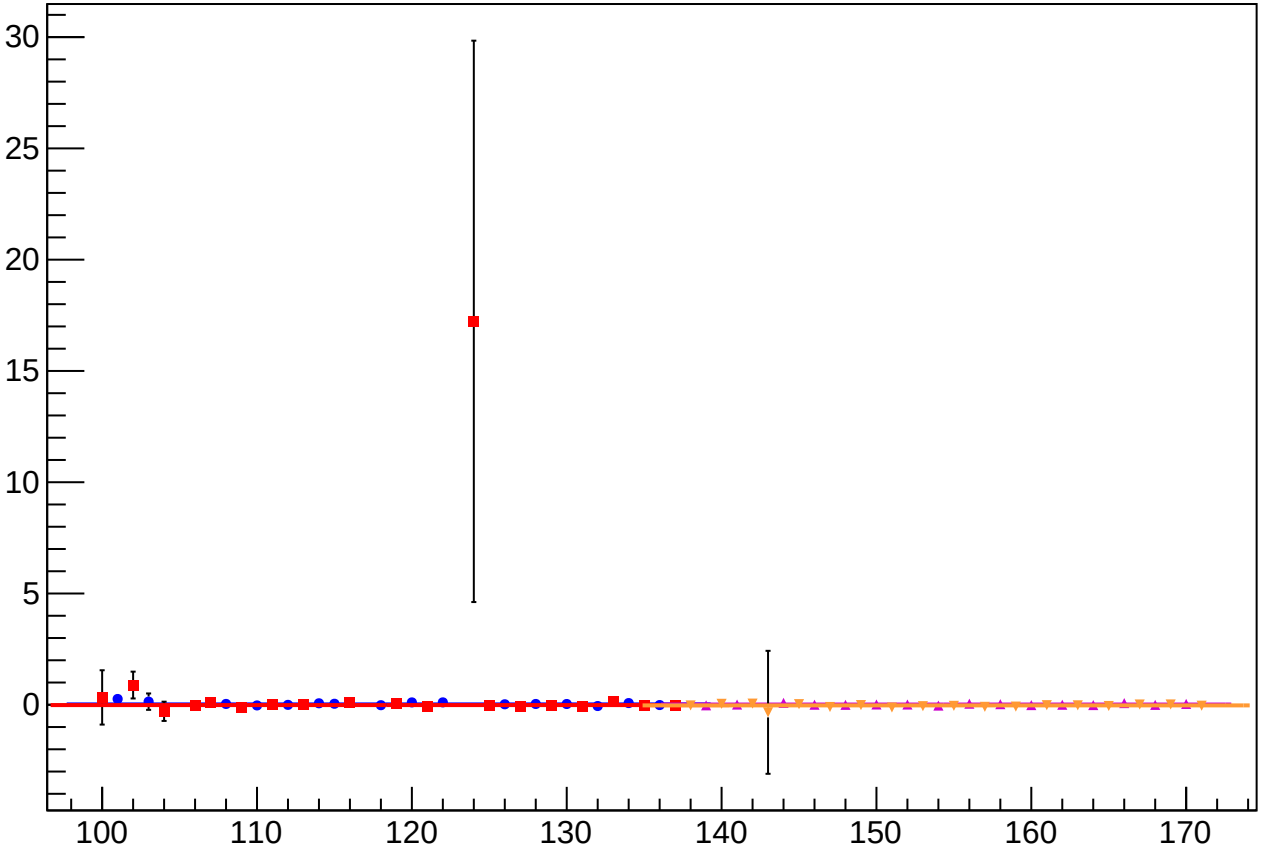
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68

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:9.8/15

Left: -0.008+/-0.007 χ^2/NDF: 41.3/33

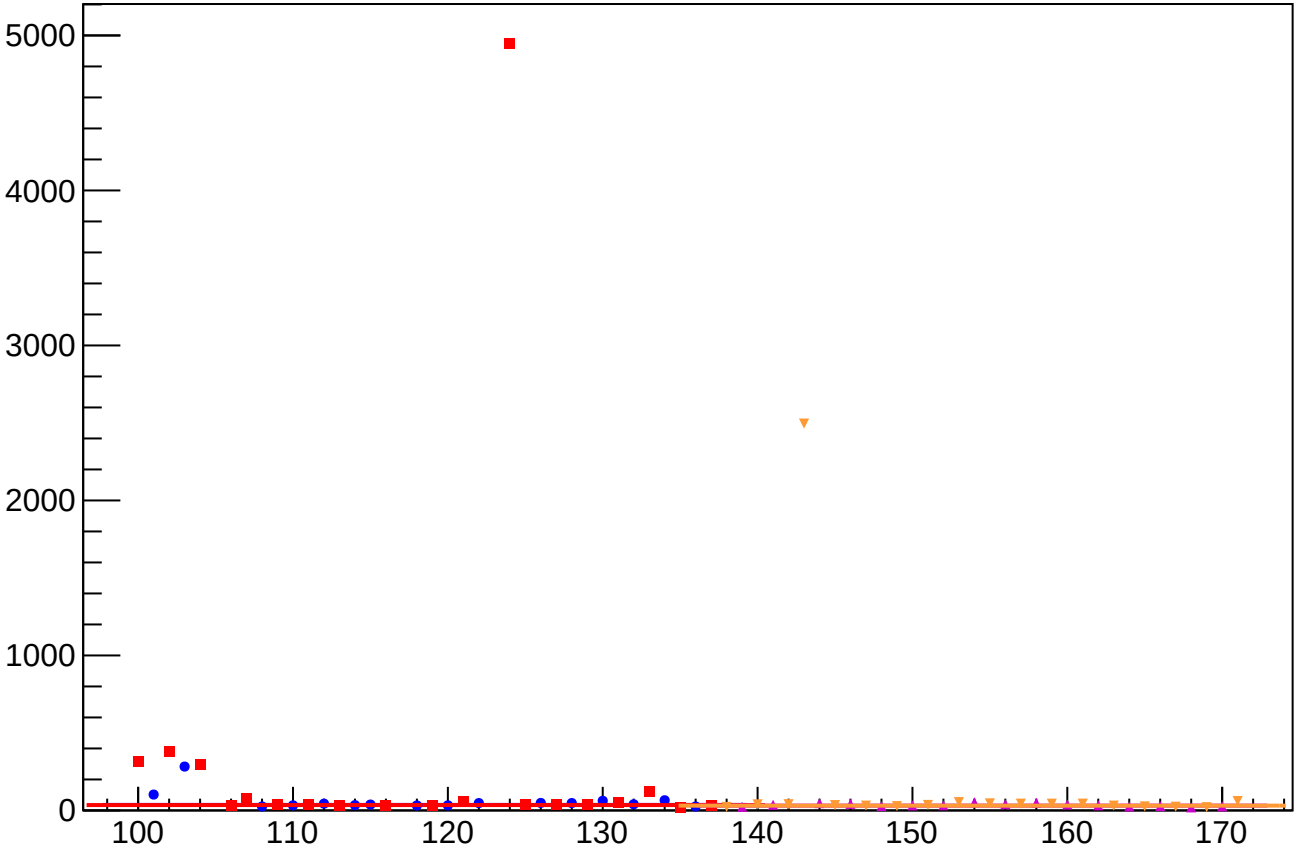
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.012+/-0.008 χ^2/NDF:21.3/31

Out: -0.024+/-0.008 χ^2/NDF:40.0/36

All: -0.006+/-0.006 χ^2/NDF: 71.3/68

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: 31.157+/-0.007 χ^2/NDF:1663416.5/15

Left: 31.102+/-0.005 χ^2/NDF: 5052782.6/33

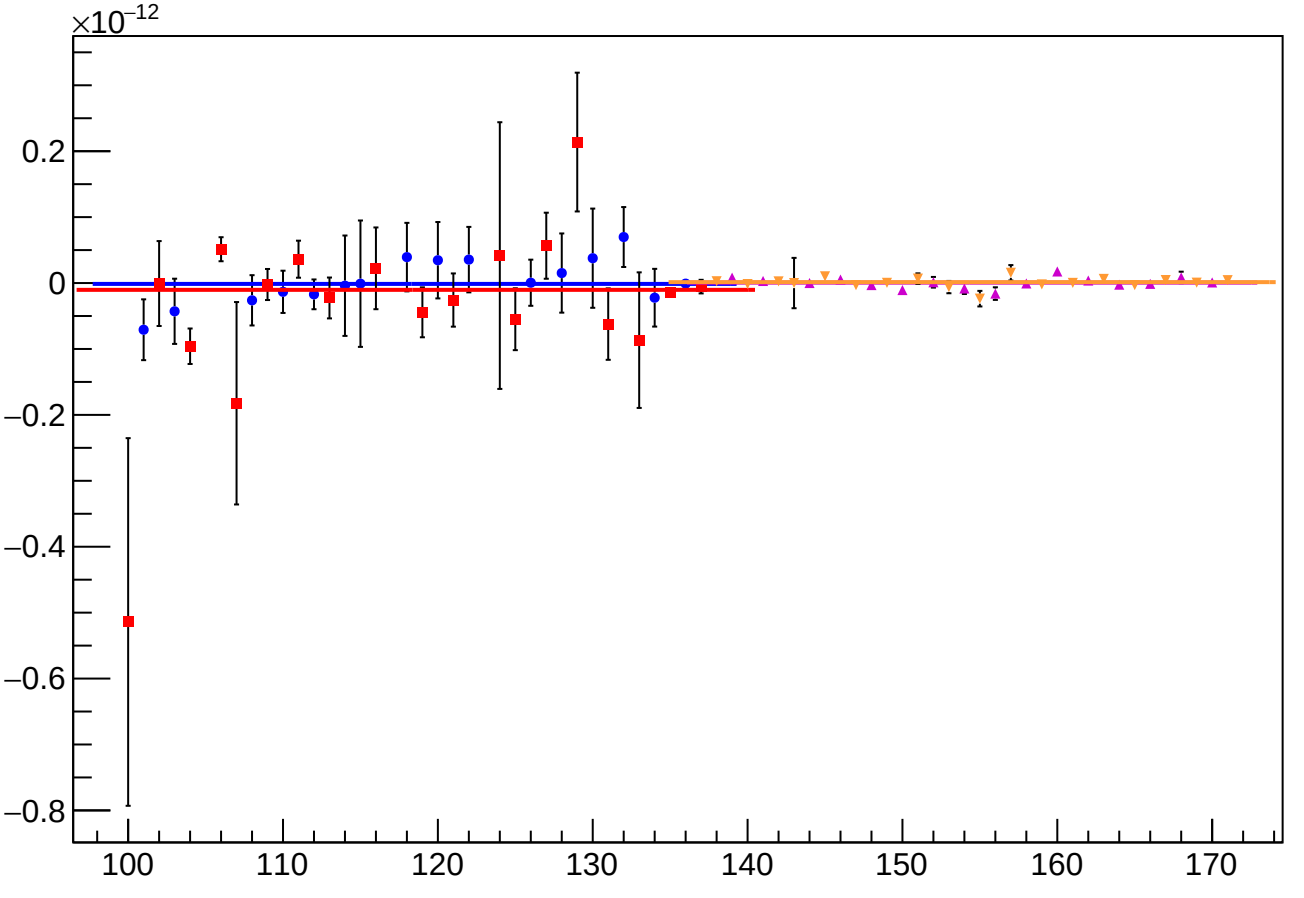
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.424+/-0.006 χ^2/NDF:4055548.0/31

Out: 32.068+/-0.006 χ^2/NDF:6387139.5/36

All: 32.246+/-0.004 χ^2/NDF: 10444602.5/68

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:18.3/15

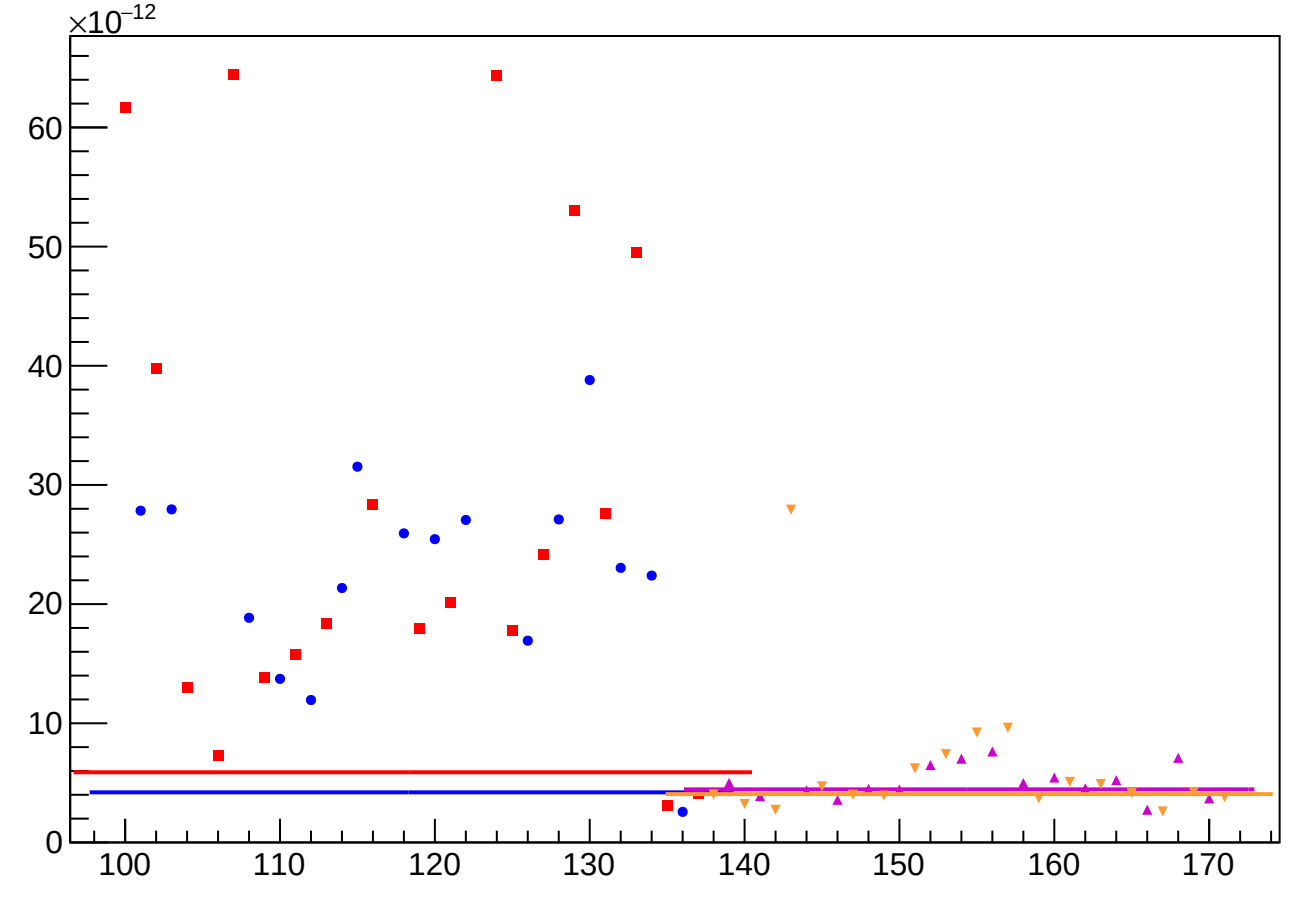
Left: 0.000+/-0.000 χ^2/NDF: 31.5/33

Right: -0.000+/-0.000 χ^2/NDF: 51.3/34

In: 0.000+/-0.000 χ^2/NDF:27.2/31

Out: 0.000+/-0.000 χ^2/NDF:60.0/36

All: 0.000+/-0.000 χ^2/NDF: 87.2/68



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:1293633.0/15

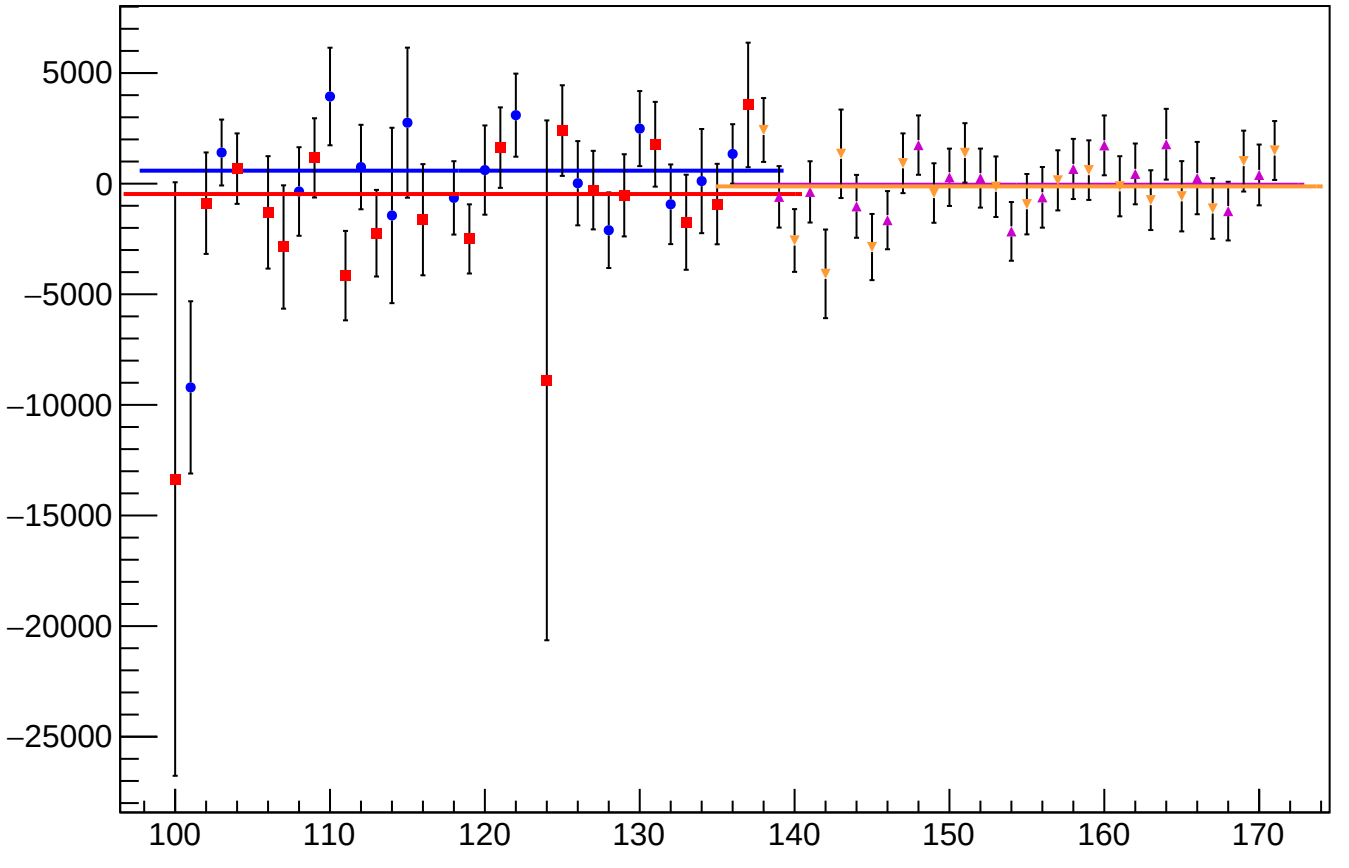
Left: 0.000+/-0.000 χ^2/NDF: 4034078.9/33

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6382916.2/31

Out: 0.000+/-0.000 χ^2/NDF:7871570.2/36

All: 0.000+/-0.000 χ^2/NDF: 14271674.0/68



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: -48.296+/-344.934 χ^2/NDF:11.2/15

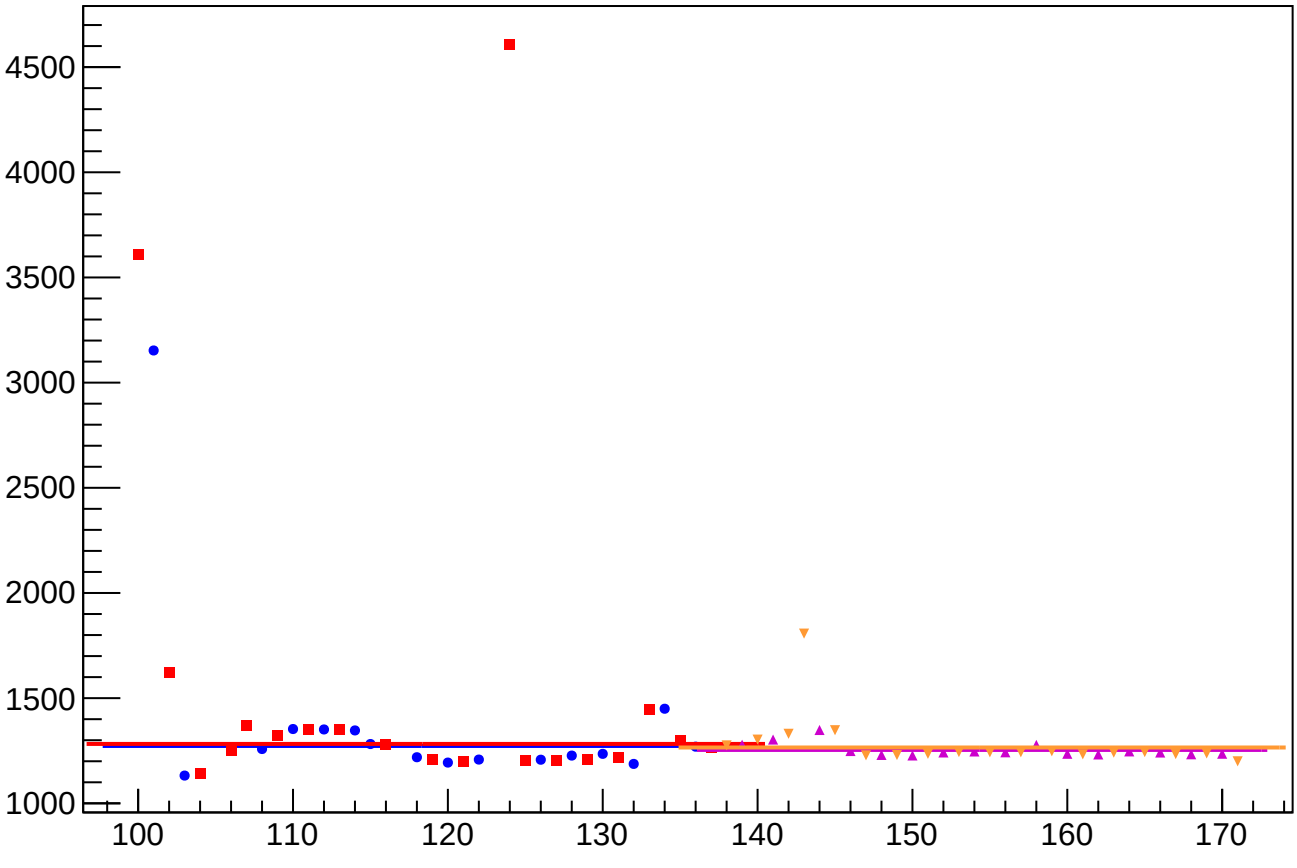
Left: -86.925+/-240.726 χ^2/NDF: 30.7/33

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 166.588+/-280.591 χ^2/NDF:29.4/31

Out: -237.081+/-275.421 χ^2/NDF:36.7/36

All: -39.000+/-196.554 χ^2/NDF: 67.1/68



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: 1253.860+/-0.244 χ^2/NDF:16342.5/15

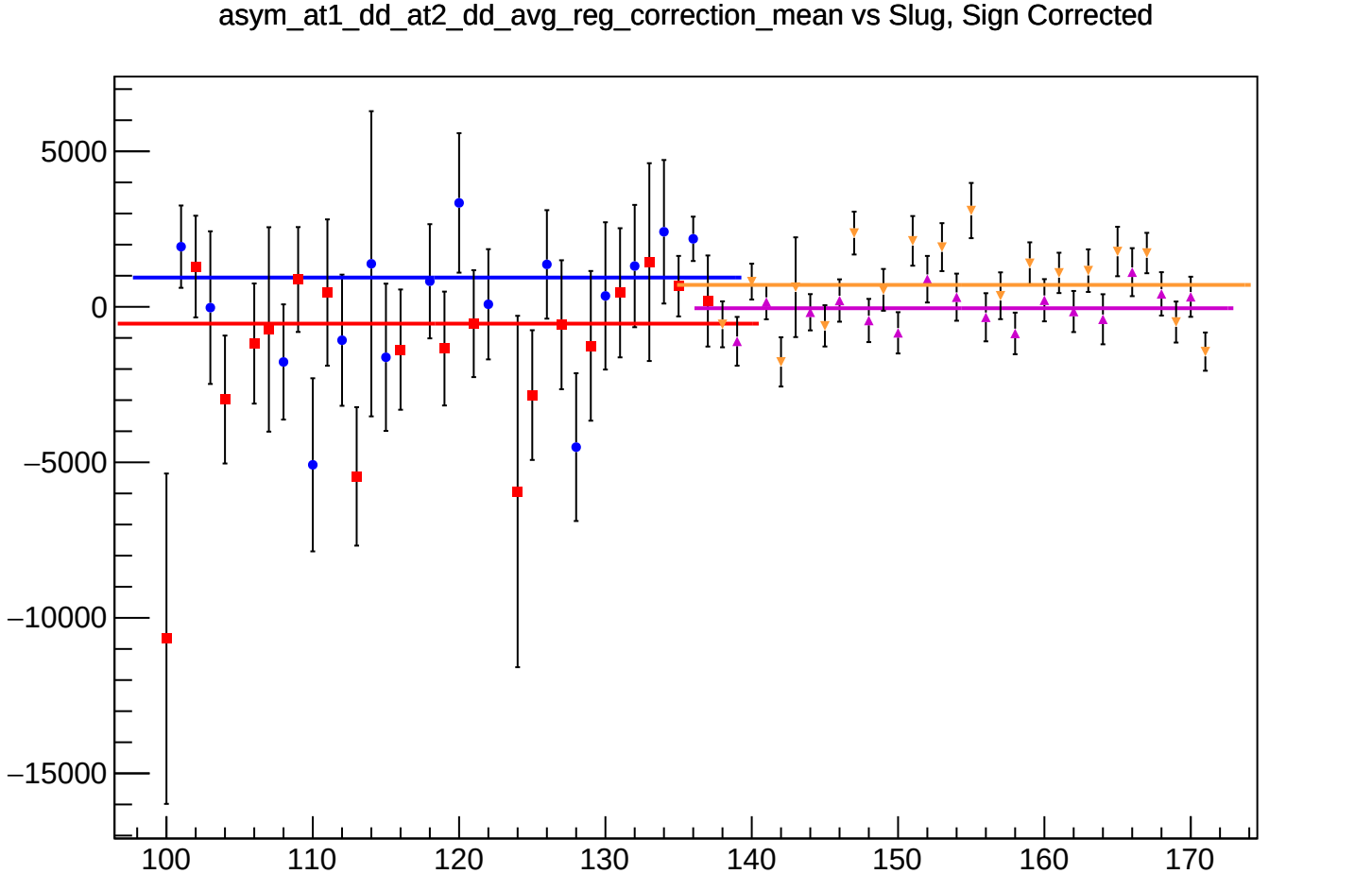
Left: 1259.782+/-0.170 χ^2/NDF: 188598.7/33

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1260.268+/-0.198 χ^2/NDF:537681.5/31

Out: 1270.977+/-0.195 χ^2/NDF:494858.5/36

All: 1265.722+/-0.139 χ^2/NDF: 1034023.5/68



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 704.776+/-168.260 χ^2/NDF:57.3/17

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -45.247+/-171.719 χ^2/NDF:10.7/15

Left: 337.394+/-120.182 χ^2/NDF: 77.7/33

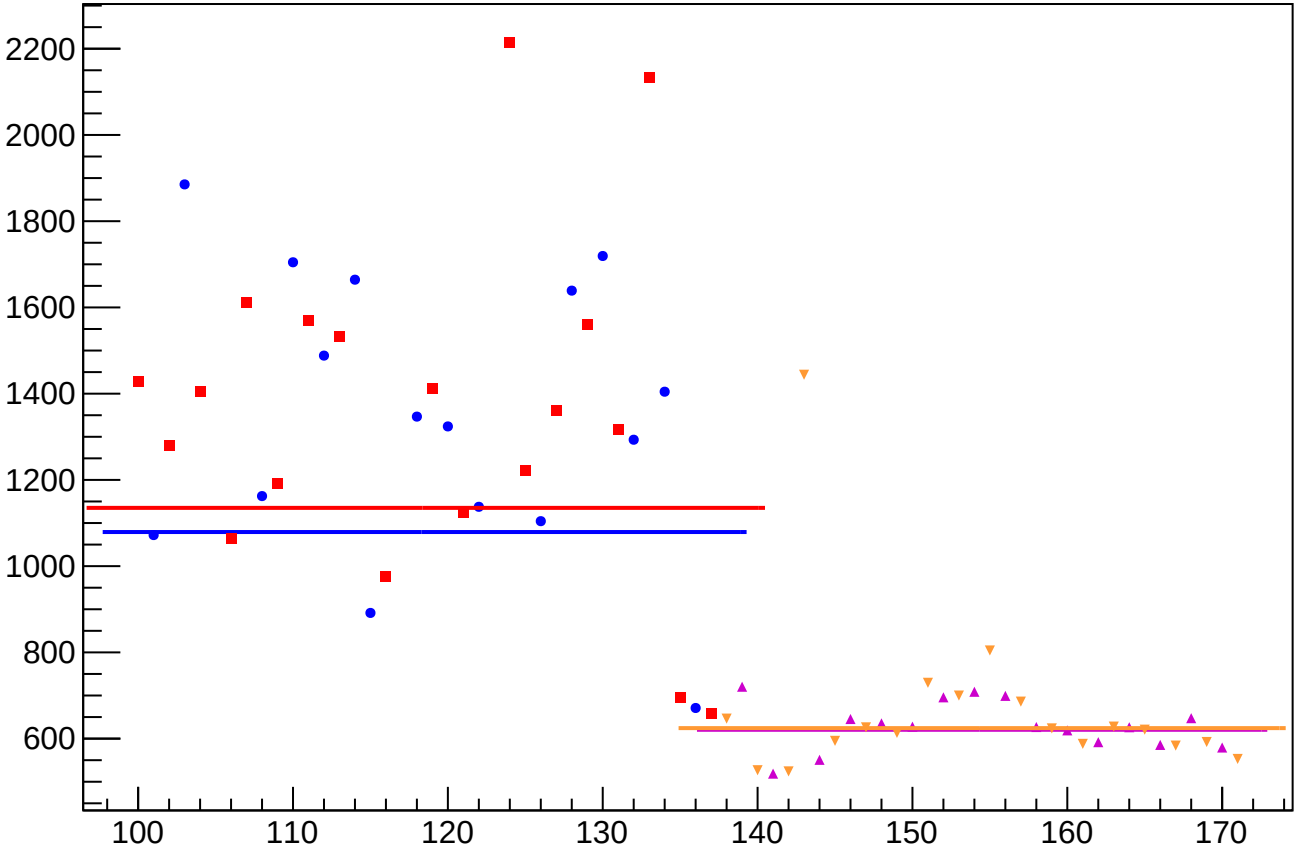
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: 92.803+/-159.258 χ^2/NDF:35.2/31

Out: 545.828+/-157.157 χ^2/NDF:81.5/36

All: 322.324+/-111.862 χ^2/NDF: 120.8/68

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: 620.511+/-0.121 χ^2/NDF:219548.1/15

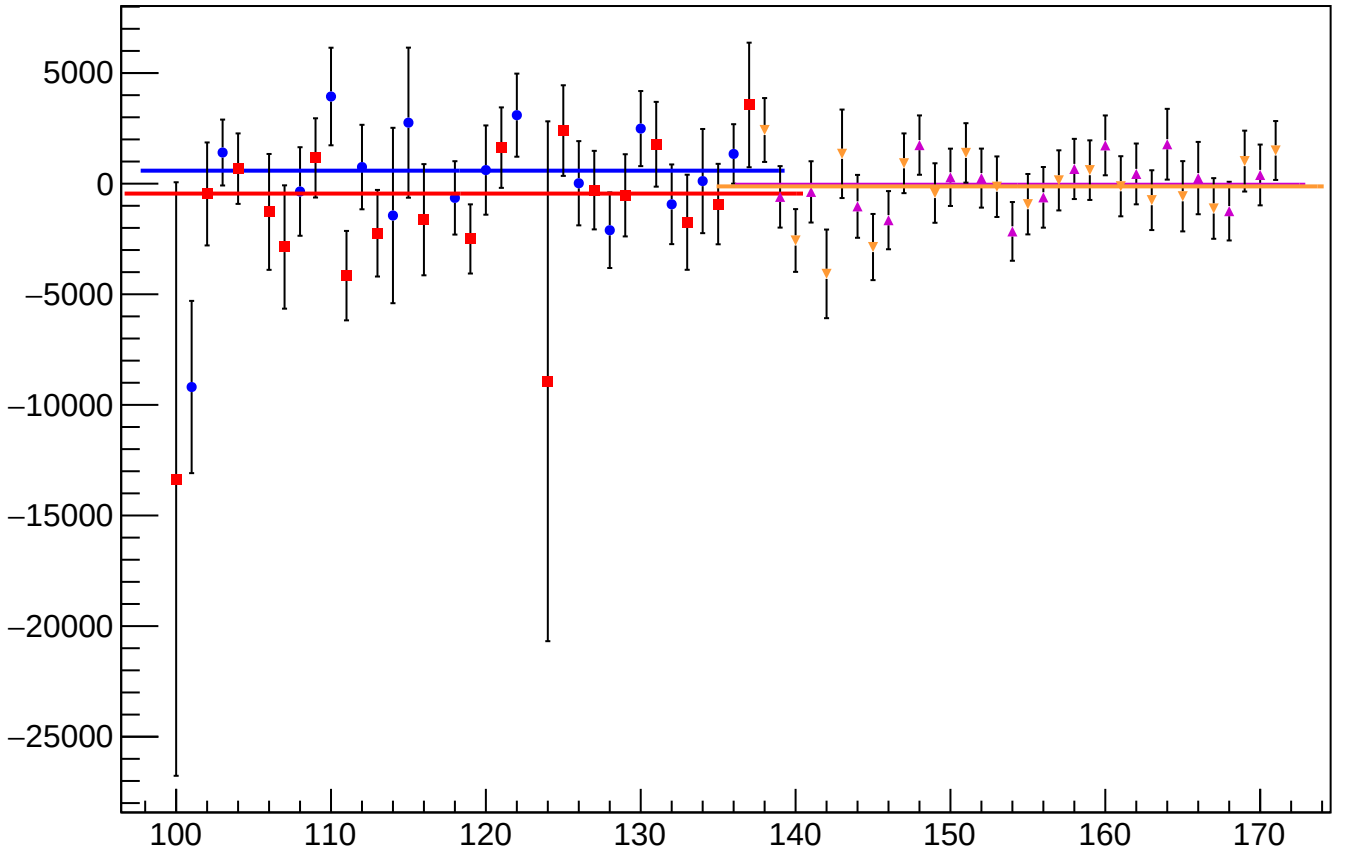
Left: 622.480+/-0.085 χ^2/NDF: 1033779.7/33

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 684.655+/-0.113 χ^2/NDF:3697012.4/31

Out: 689.561+/-0.111 χ^2/NDF:4459142.8/36

All: 687.141+/-0.079 χ^2/NDF: 8157116.6/68



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: -48.349+/-344.934 χ^2/NDF:11.2/15

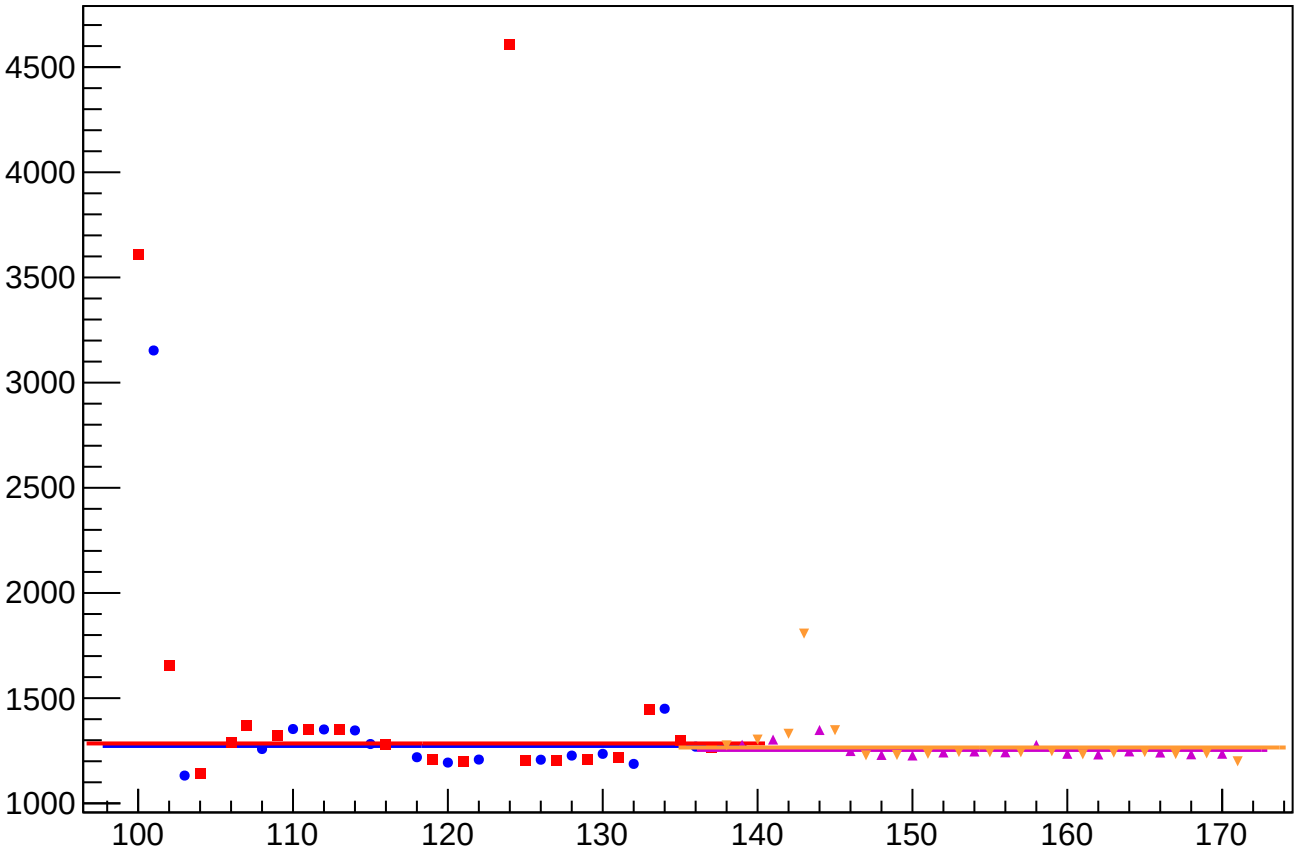
Left: -86.984+/-240.726 χ^2/NDF: 30.7/33

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -35.305+/-196.610 χ^2/NDF: 67.0/68



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: 1253.860+/-0.244 χ^2/NDF:16342.5/15

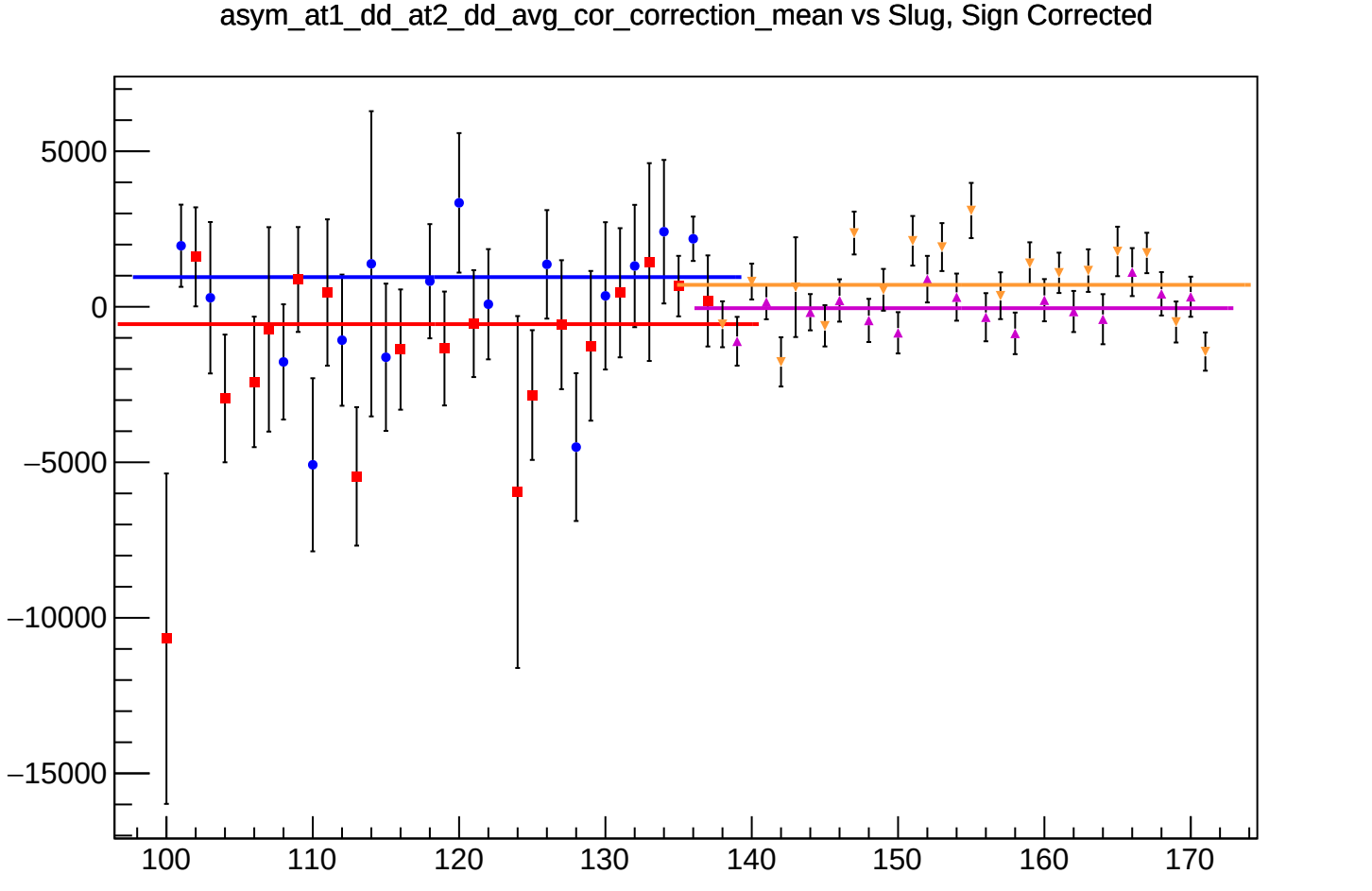
Left: 1259.782+/-0.170 χ^2/NDF: 188598.7/33

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68



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: -45.226+/-171.718 χ^2/NDF:10.7/15

Left: 337.396+/-120.182 χ^2/NDF: 77.7/33

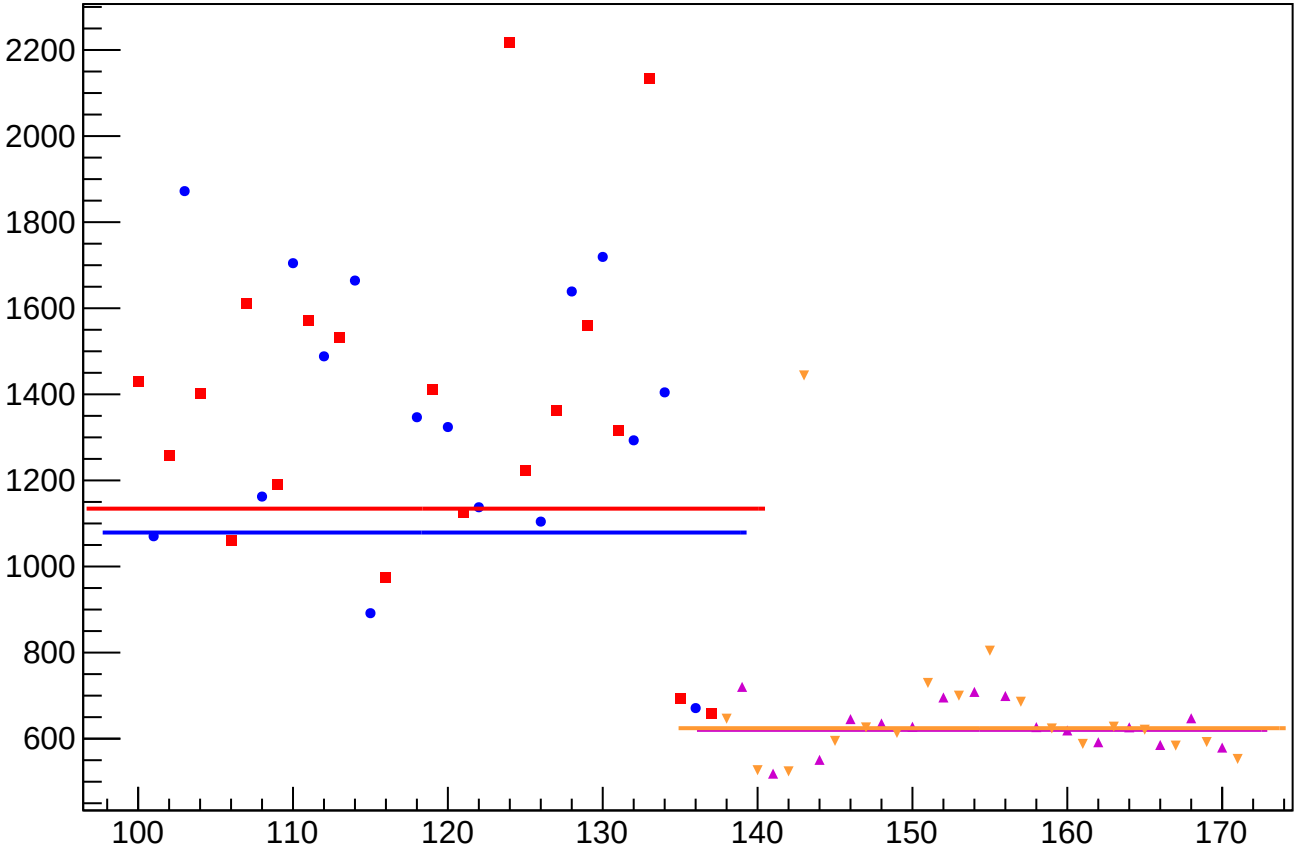
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 94.652+/-159.248 χ^2/NDF:35.3/31

Out: 544.154+/-157.196 χ^2/NDF:82.9/36

All: 322.317+/-111.873 χ^2/NDF: 122.2/68

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: 620.506+/-0.121 χ^2/NDF:219582.8/15

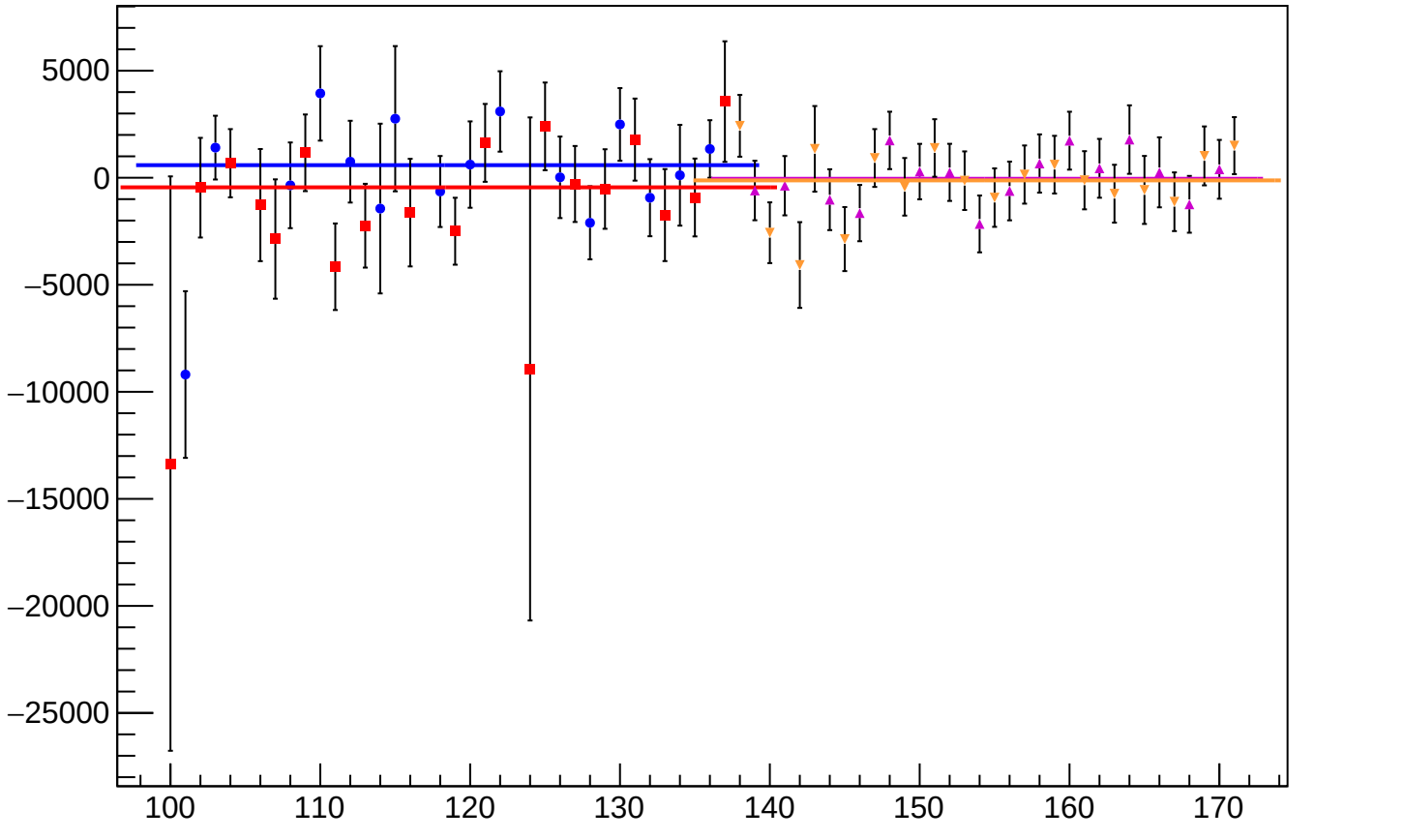
Left: 622.480+/-0.085 χ^2/NDF: 1033729.4/33

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68



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: -48.349+/-344.934 χ^2/NDF:11.2/15

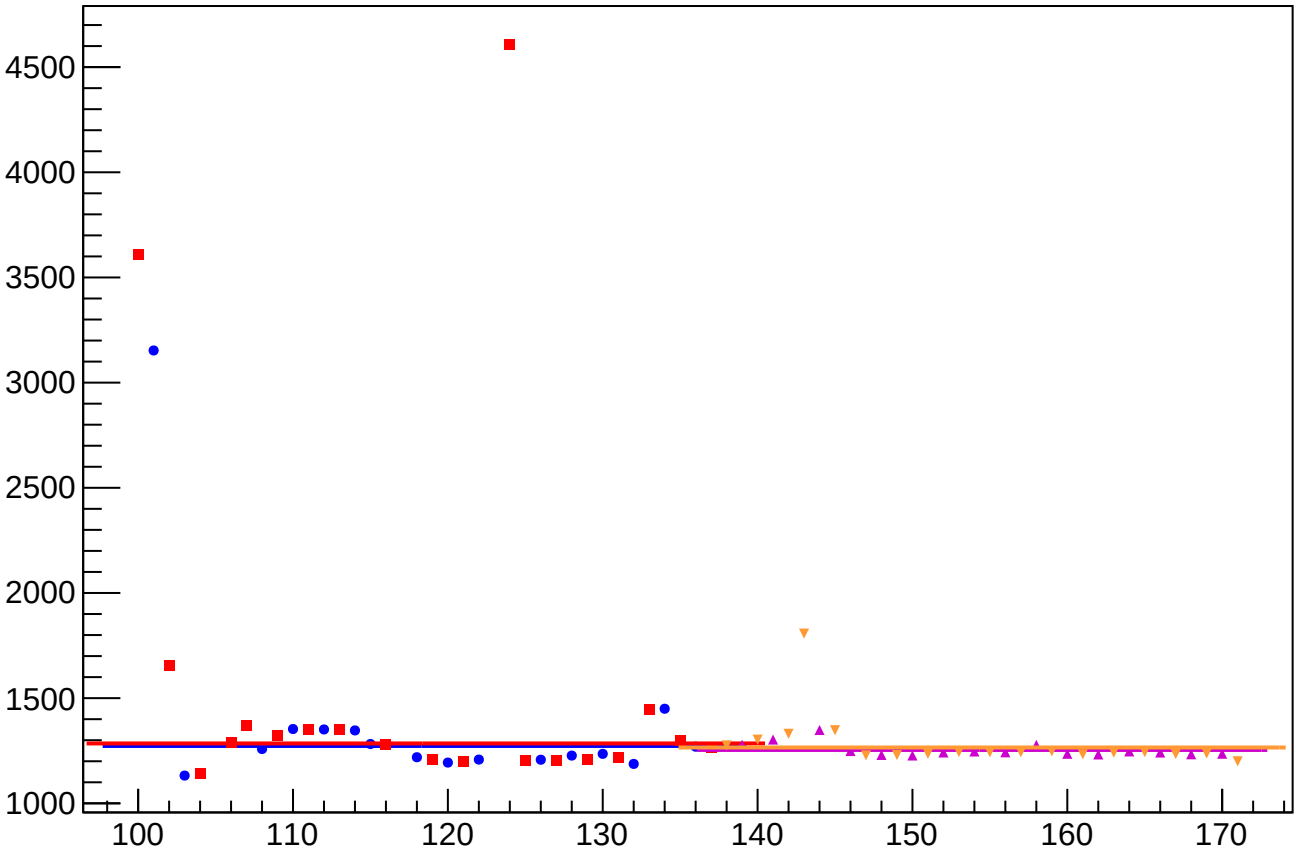
Left: -86.984+/-240.726 χ^2/NDF: 30.7/33

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 166.661+/-280.591 χ^2/NDF:29.4/31

Out: -230.114+/-275.574 χ^2/NDF:36.6/36

All: -35.305+/-196.610 χ^2/NDF: 67.0/68



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: 1253.860+/-0.244 χ^2/NDF:16342.5/15

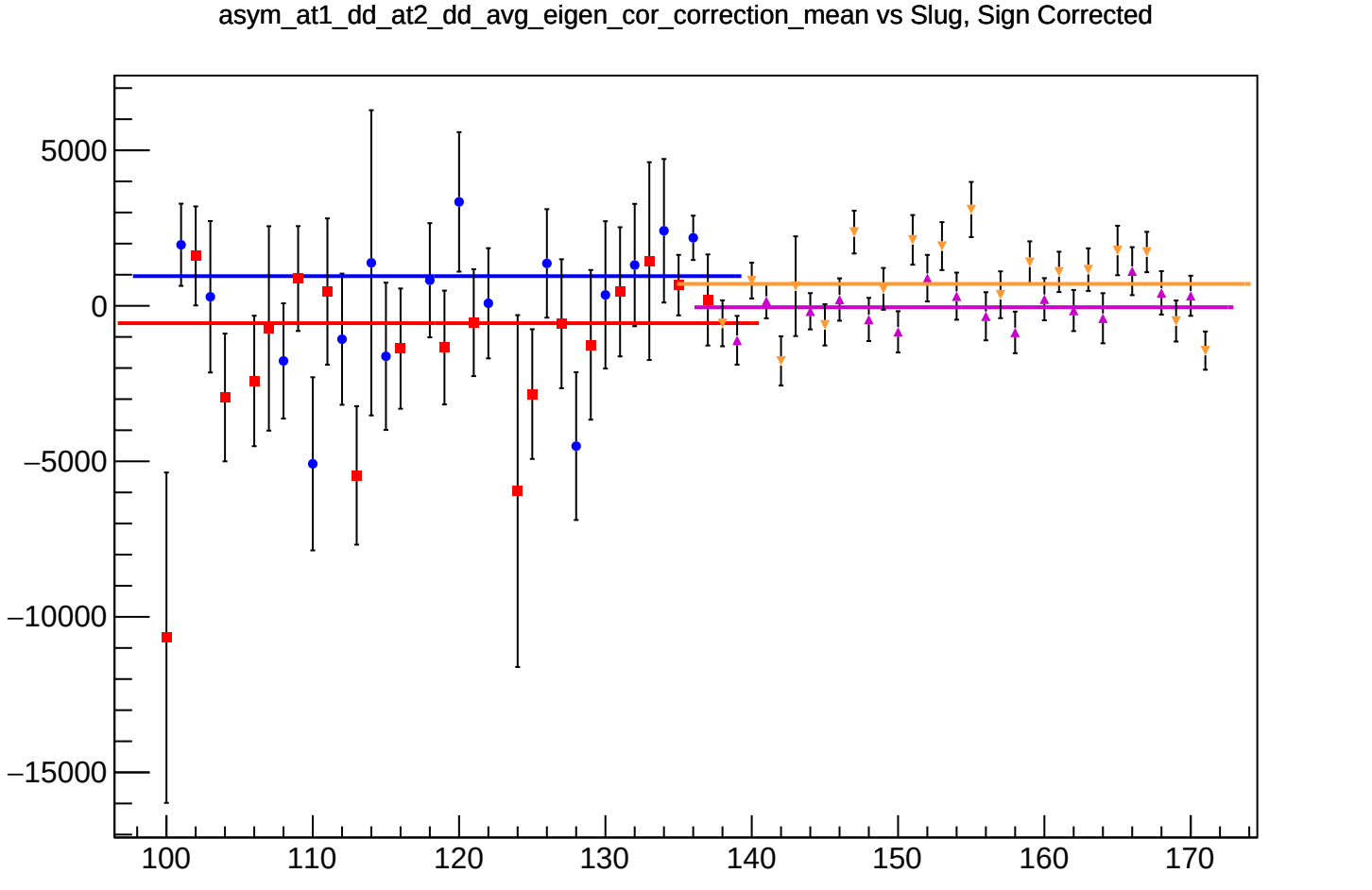
Left: 1259.782+/-0.170 χ^2/NDF: 188598.7/33

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1260.268+/-0.198 χ^2/NDF:537682.8/31

Out: 1271.715+/-0.195 χ^2/NDF:501992.0/36

All: 1266.095+/-0.139 χ^2/NDF: 1041369.0/68



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: -45.226+/-171.718 χ^2/NDF:10.7/15

Left: 337.396+/-120.182 χ^2/NDF: 77.7/33

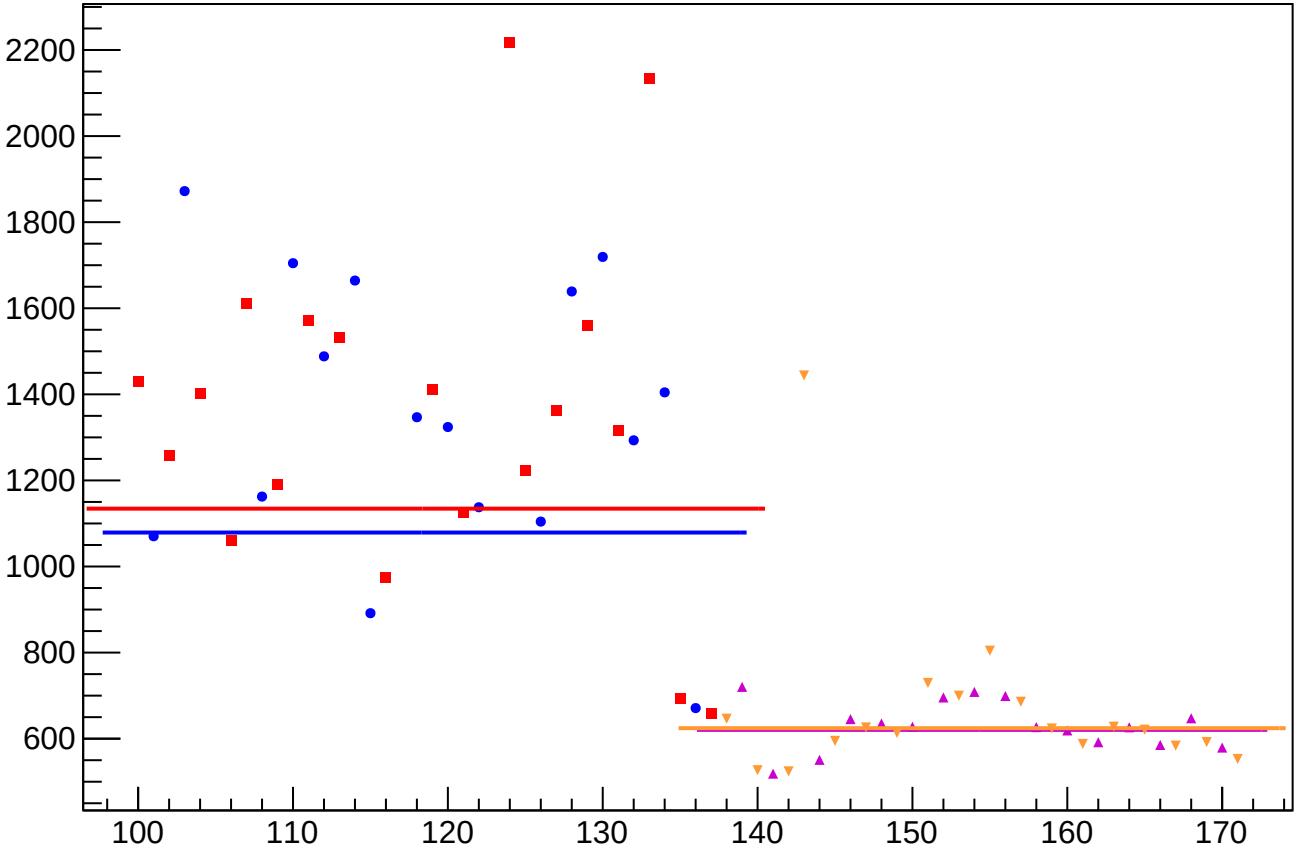
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: 94.652+/-159.248 χ^2/NDF:35.3/31

Out: 544.154+/-157.196 χ^2/NDF:82.9/36

All: 322.317+/-111.873 χ^2/NDF: 122.2/68

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: 620.506+/-0.121 χ^2/NDF:219582.8/15

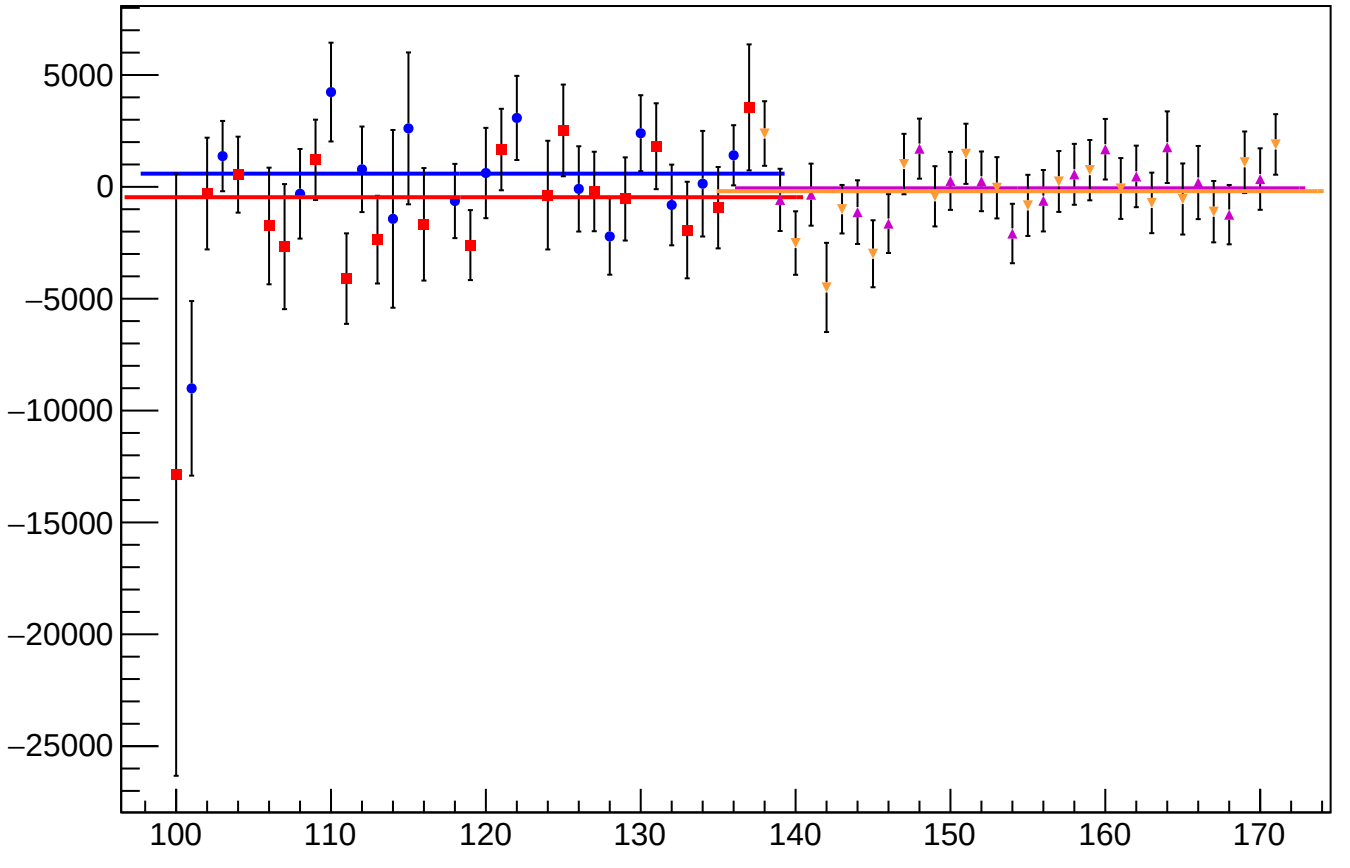
Left: 622.480+/-0.085 χ^2/NDF: 1033729.4/33

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 684.670+/-0.113 χ^2/NDF:3693365.3/31

Out: 689.253+/-0.111 χ^2/NDF:4440158.8/36

All: 686.991+/-0.079 χ^2/NDF: 8134363.0/68



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: -65.098+/-345.215 χ^2/NDF:10.8/15

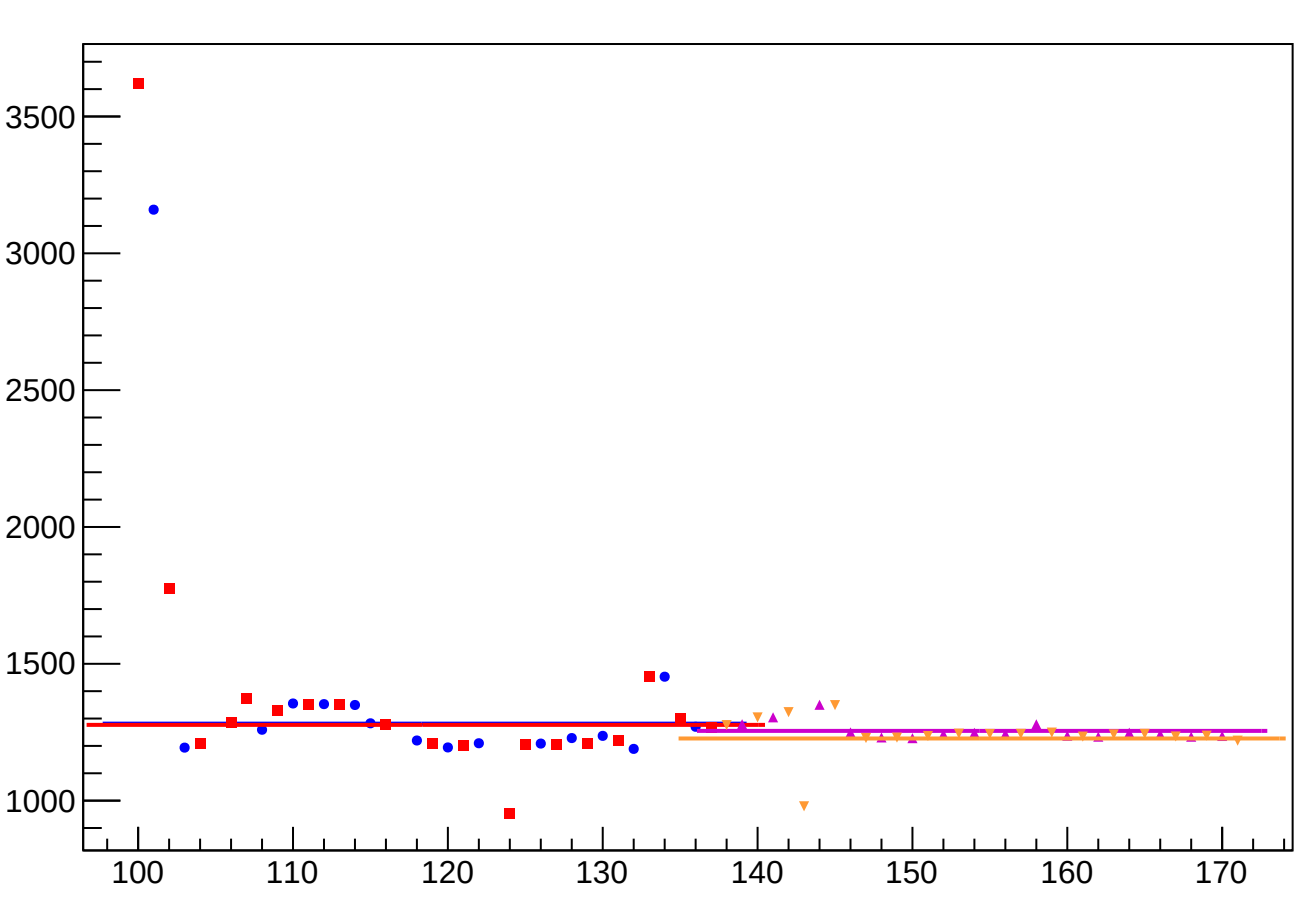
Left: -132.867+/-236.916 χ^2/NDF: 32.5/33

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 155.009+/-281.340 χ^2/NDF:29.1/31

Out: -278.929+/-268.959 χ^2/NDF:38.6/36

All: -71.717+/-194.412 χ^2/NDF: 68.9/68



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: 1254.877+/-0.244 χ^2/NDF:16485.0/15

Left: 1240.191+/-0.168 χ^2/NDF: 156297.6/33

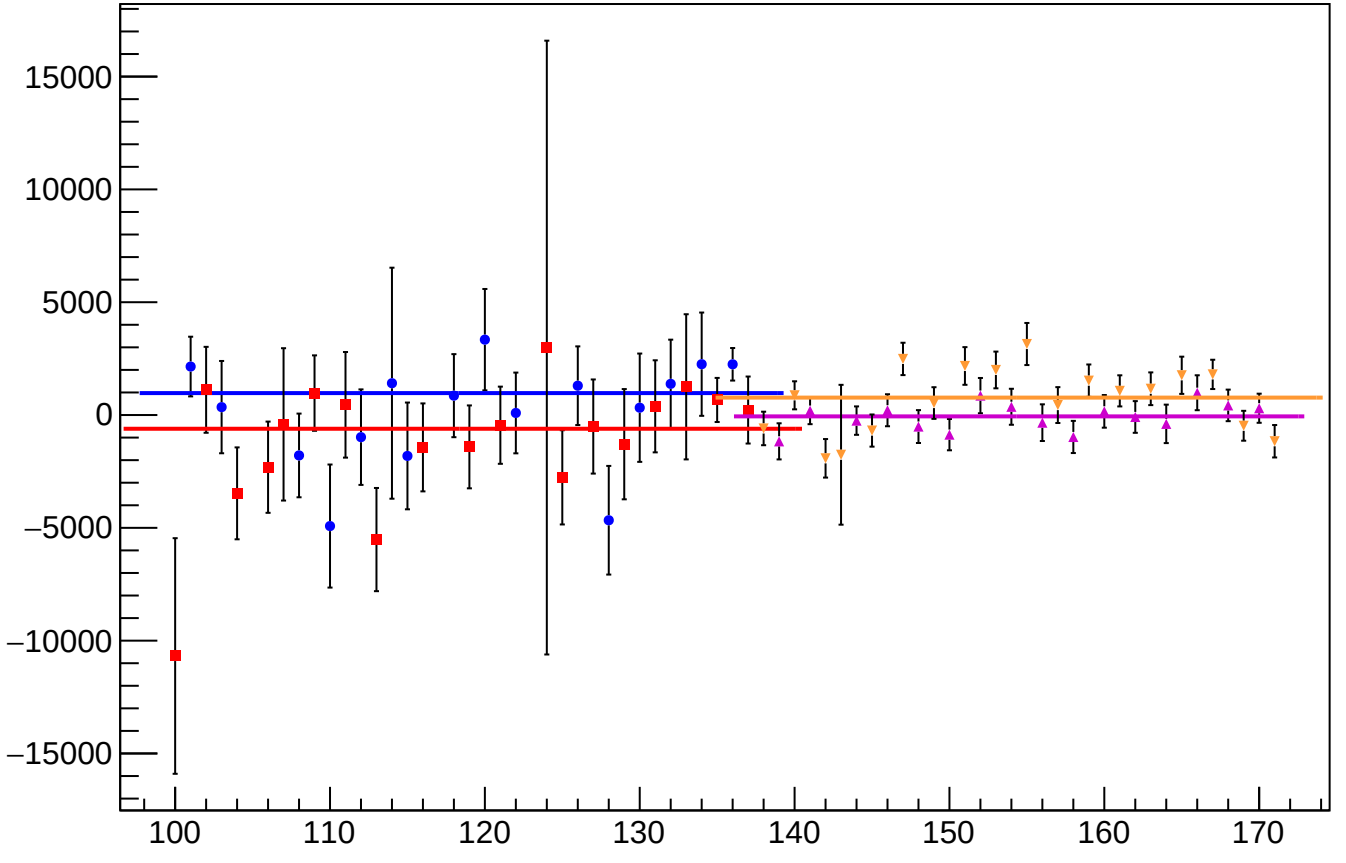
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1263.774+/-0.199 χ^2/NDF:527518.8/31

Out: 1242.945+/-0.190 χ^2/NDF:368326.7/36

All: 1252.891+/-0.137 χ^2/NDF: 901572.8/68

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: -59.943+/-179.784 χ^2/NDF:10.4/15

Left: 360.042+/-126.544 χ^2/NDF: 73.3/33

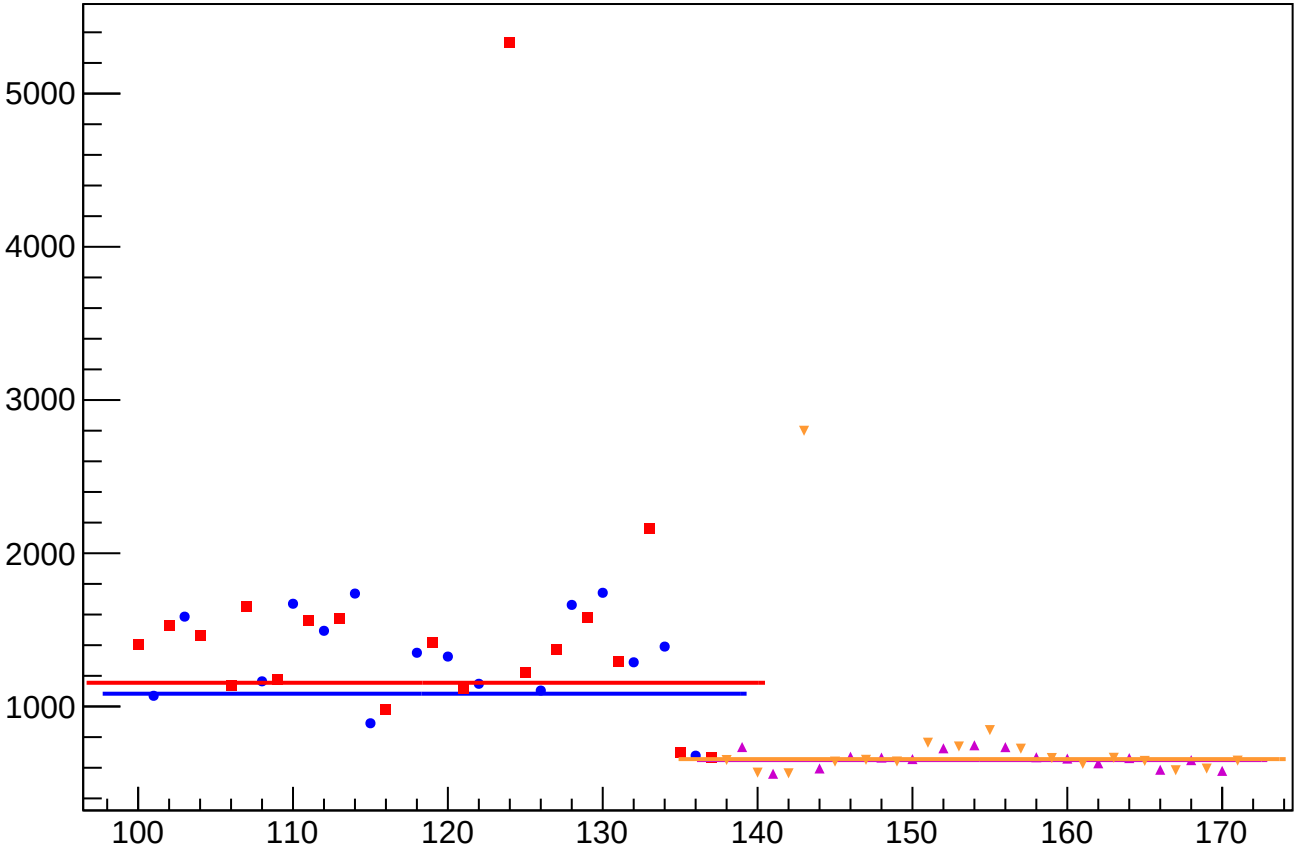
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: 96.598+/-165.591 χ^2/NDF:35.8/31

Out: 583.686+/-165.525 χ^2/NDF:77.5/36

All: 340.239+/-117.067 χ^2/NDF: 117.6/68

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: 650.105+/-0.127 χ^2/NDF:196459.3/15

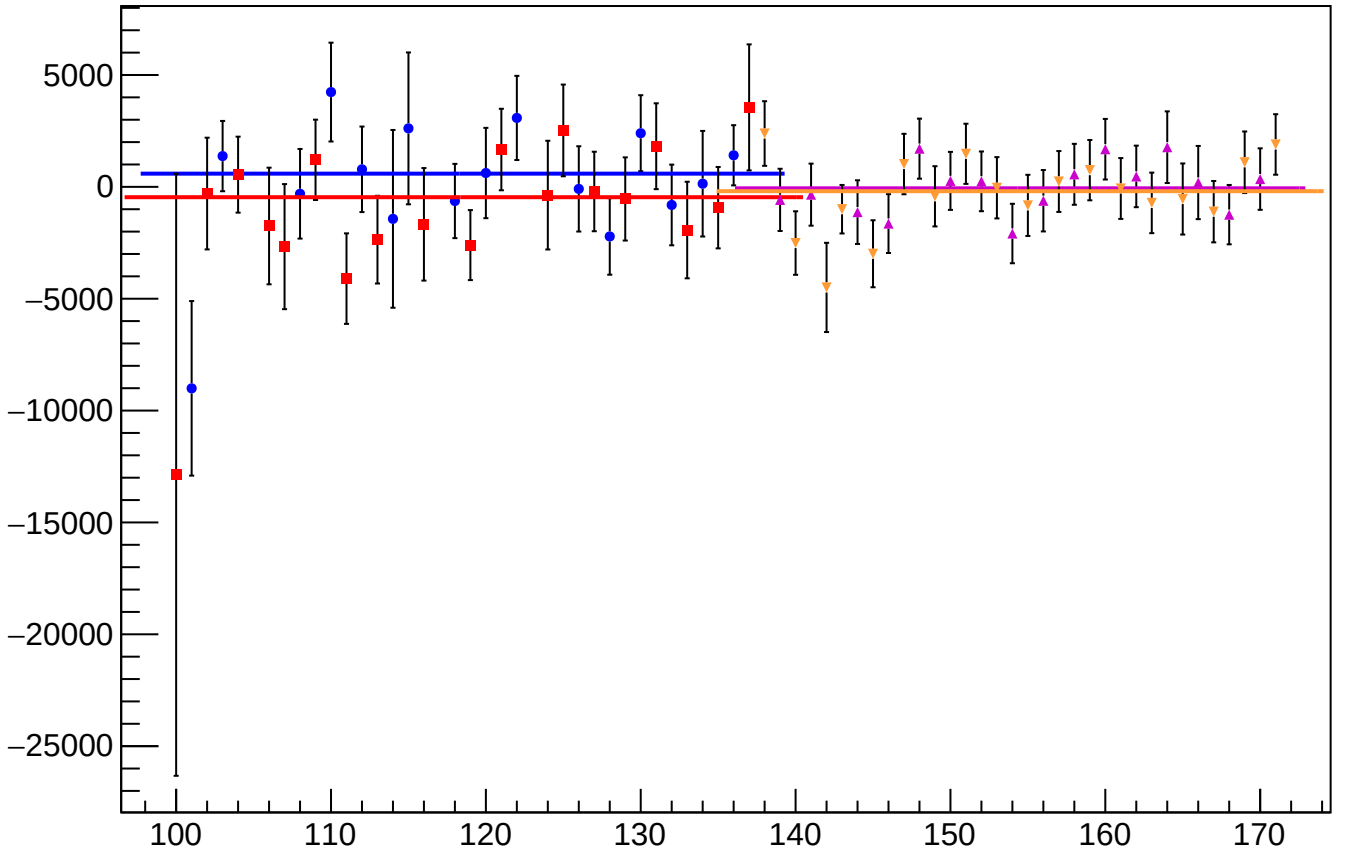
Left: 653.308+/-0.089 χ^2/NDF: 1418245.4/33

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 715.805+/-0.117 χ^2/NDF:3317839.5/31

Out: 724.554+/-0.117 χ^2/NDF:4847272.9/36

All: 720.181+/-0.083 χ^2/NDF: 8167904.6/68



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: -65.097+/-345.215 χ^2/NDF:10.8/15

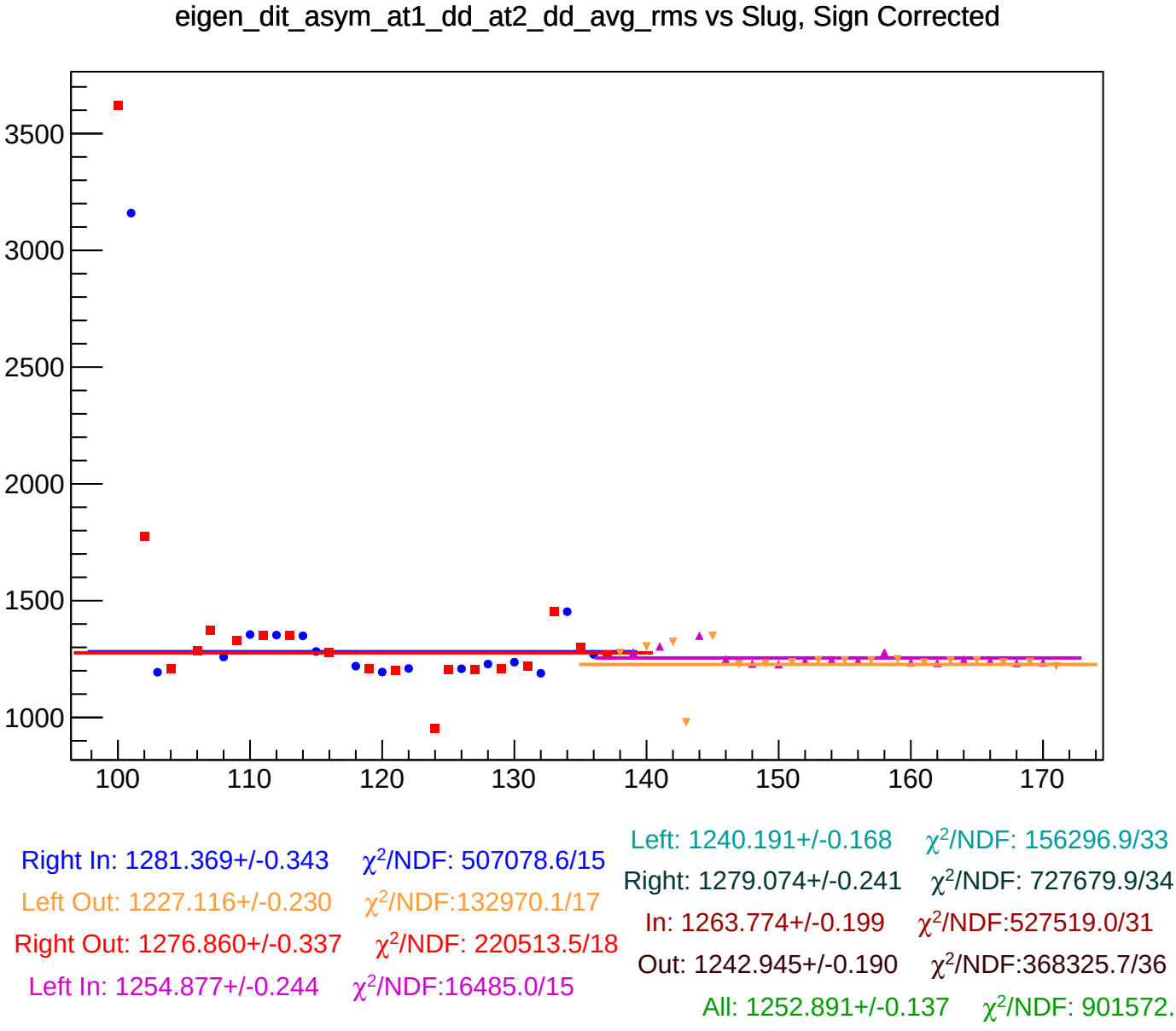
Left: -132.868+/-236.916 χ^2/NDF: 32.5/33

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

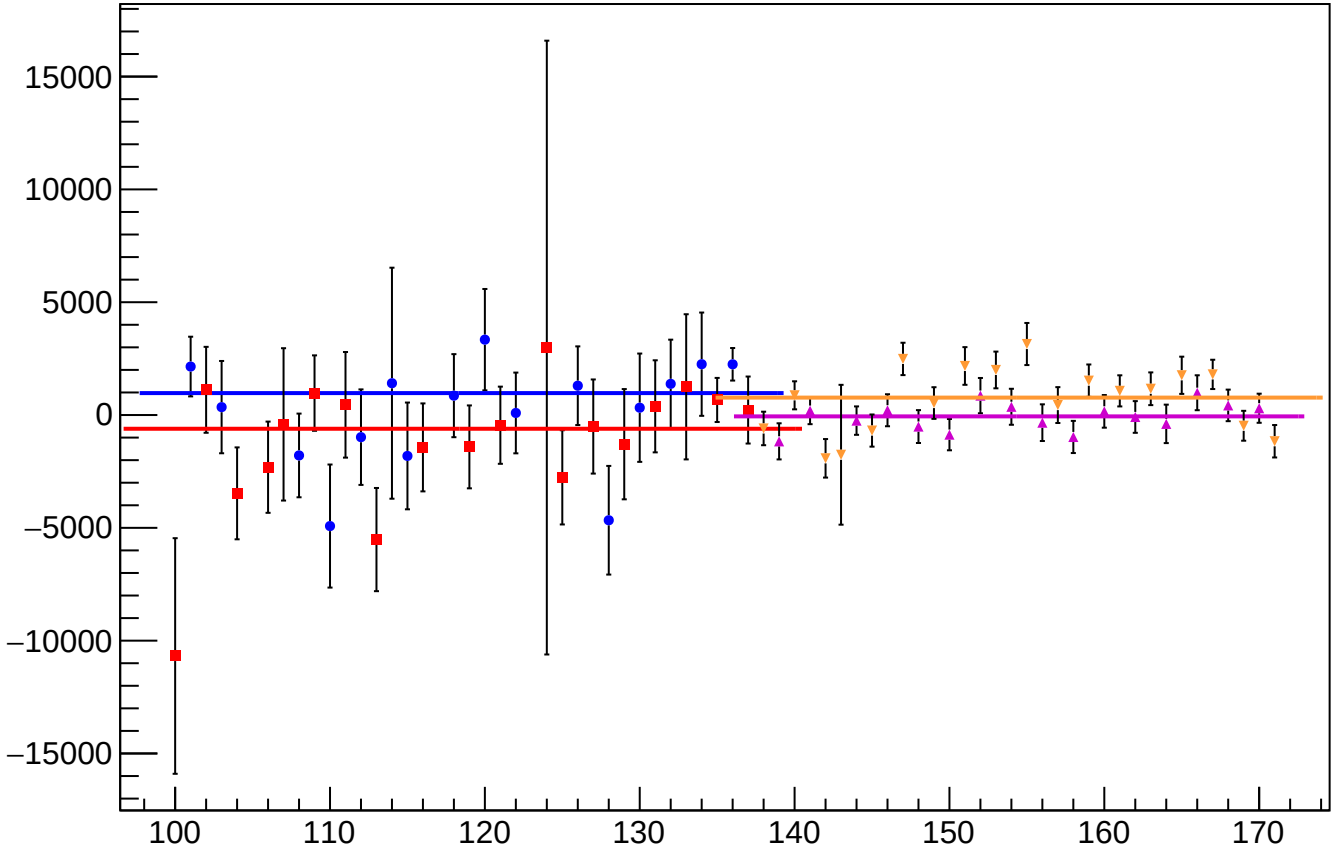
In: 155.010+/-281.340 χ^2/NDF:29.1/31

Out: -278.930+/-268.959 χ^2/NDF:38.6/36

All: -71.717+/-194.412 χ^2/NDF: 68.9/68


eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1281.369+/-0.343 χ²/NDF: 507078.6/15
Left Out: 1227.116+/-0.230 χ²/NDF:132970.1/17
Right Out: 1276.860+/-0.337 χ²/NDF: 220513.5/18
Left In: 1254.877+/-0.244 χ²/NDF:16485.0/15
Left: 1240.191+/-0.168 χ²/NDF: 156296.9/33
Right: 1279.074+/-0.241 χ²/NDF: 727679.9/34
In: 1263.774+/-0.199 χ²/NDF:527519.0/31
Out: 1242.945+/-0.190 χ²/NDF:368325.7/36
All: 1252.891+/-0.137 χ²/NDF: 901572.0/68

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 772.413+/-178.147 χ^2/NDF:52.1/17

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -59.941+/-179.784 χ^2/NDF:10.4/15

Left: 360.043+/-126.543 χ^2/NDF: 73.3/33

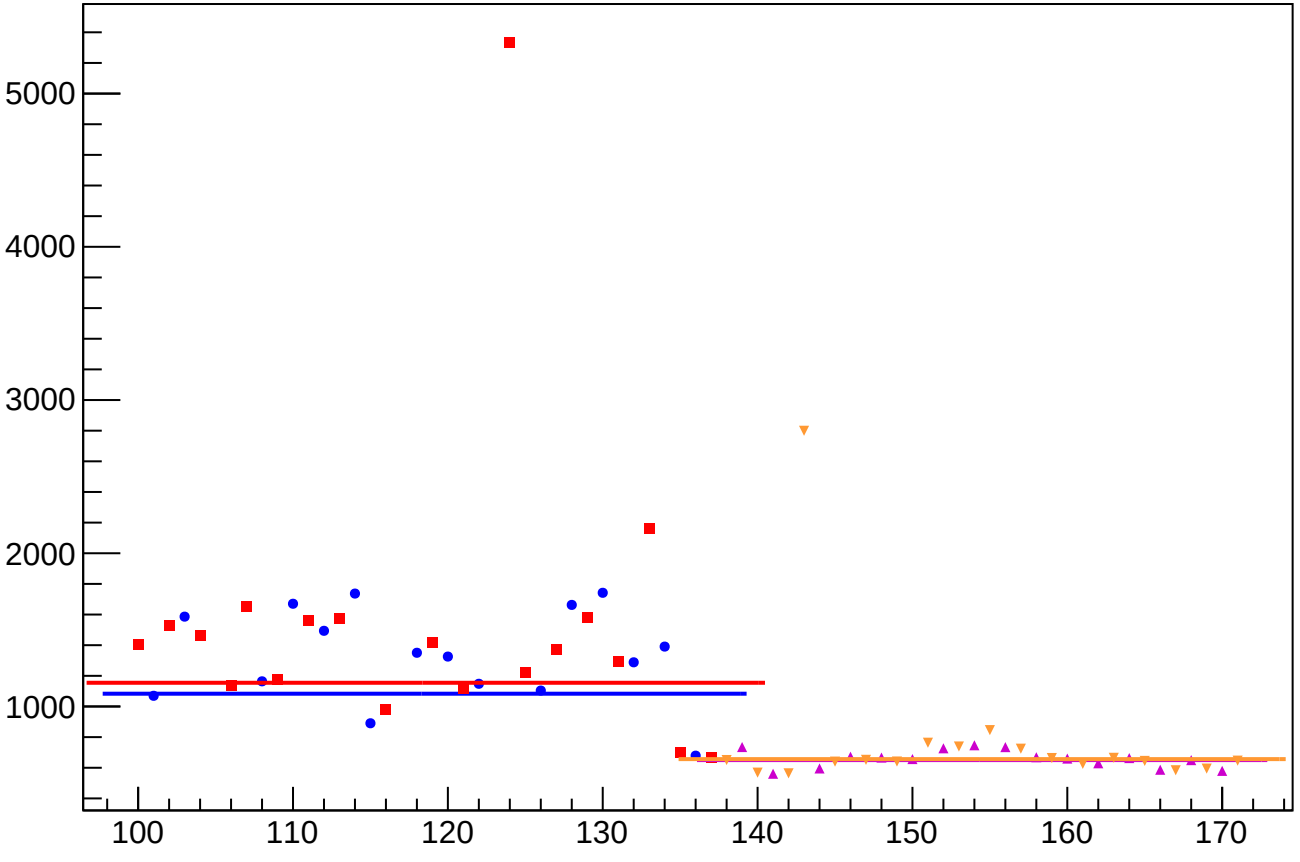
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: 96.597+/-165.591 χ^2/NDF:35.8/31

Out: 583.686+/-165.525 χ^2/NDF:77.5/36

All: 340.238+/-117.067 χ^2/NDF: 117.6/68

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: 650.104+/-0.127 χ^2/NDF:196462.8/15

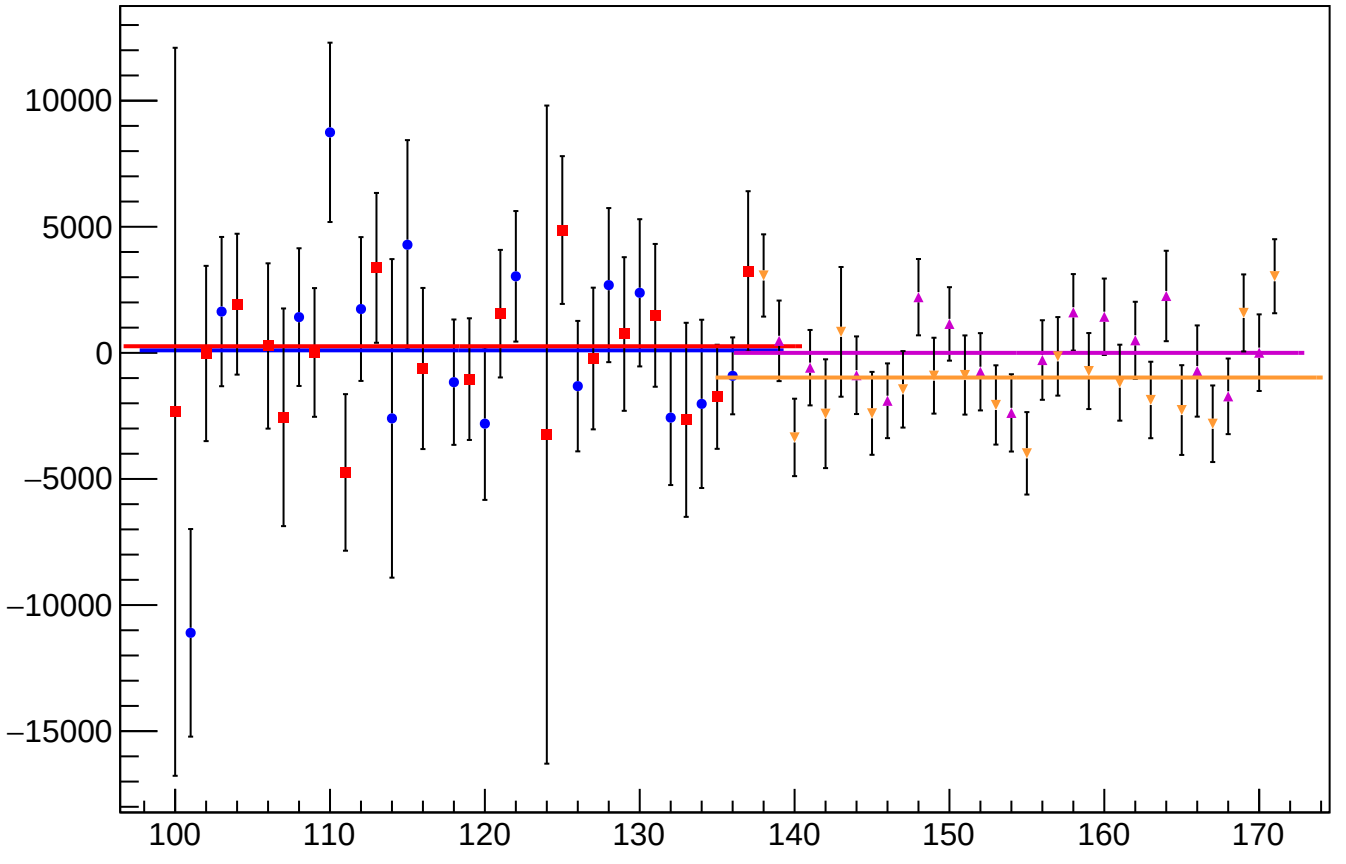
Left: 653.307+/-0.089 χ^2/NDF: 1418245.0/33

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 715.805+/-0.117 χ^2/NDF:3317831.3/31

Out: 724.554+/-0.117 χ^2/NDF:4847261.8/36

All: 720.182+/-0.083 χ^2/NDF: 8167885.7/68



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: 0.002+/-387.127 χ^2/NDF:12.8/15

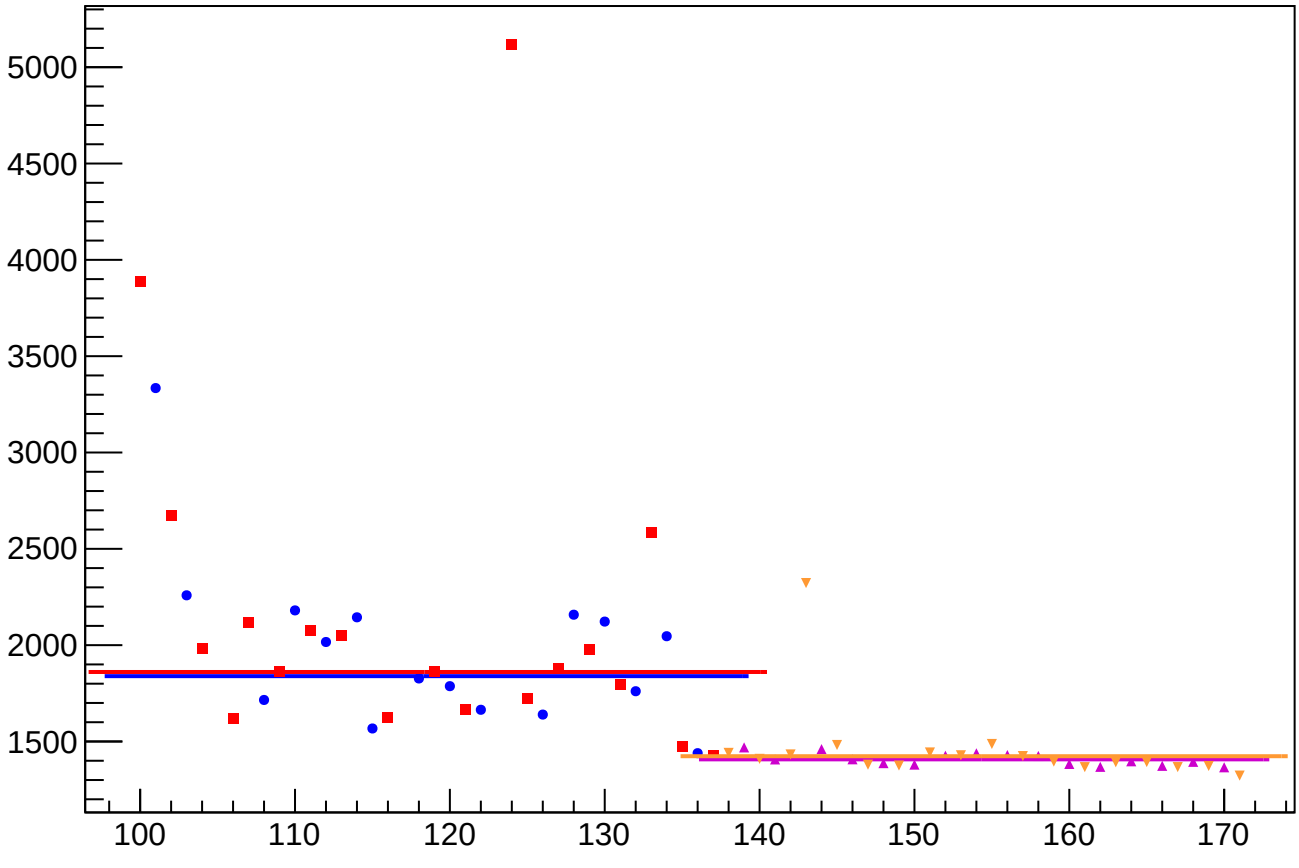
Left: -499.564+/-270.764 χ^2/NDF: 43.3/33

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 23.581+/-338.656 χ^2/NDF:34.1/31

Out: -696.730+/-333.149 χ^2/NDF:39.9/36

All: -342.478+/-237.495 χ^2/NDF: 76.4/68



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: 1407.223+/-0.274 χ^2/NDF:12431.6/15

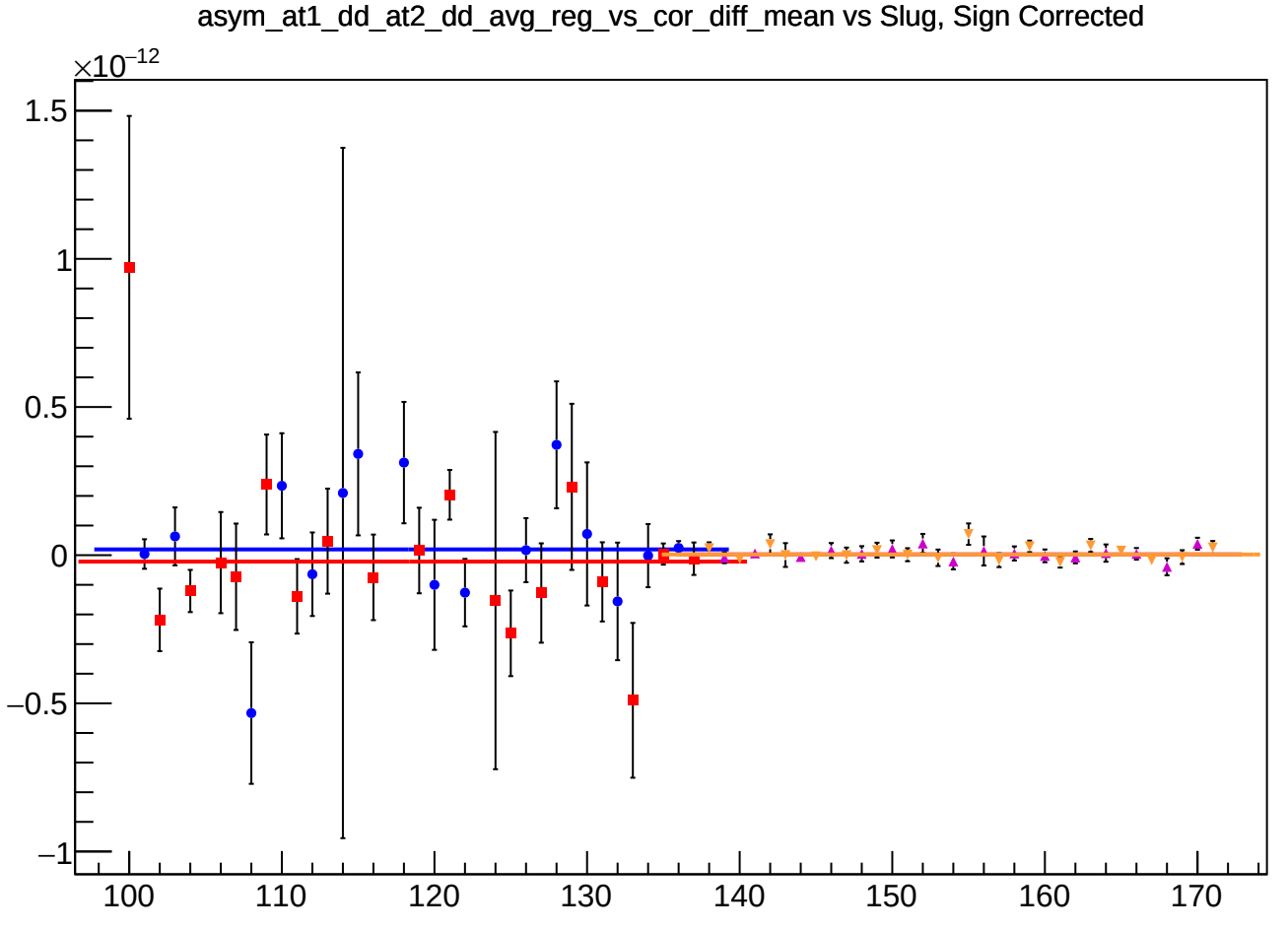
Left: 1415.557+/-0.191 χ^2/NDF: 287881.7/33

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1508.605+/-0.239 χ^2/NDF:1153481.4/31

Out: 1522.650+/-0.236 χ^2/NDF:1399605.4/36

All: 1515.742+/-0.168 χ^2/NDF: 2554835.0/68



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:9.2/15

Left: 0.000+/-0.000 χ^2/NDF: 27.6/33

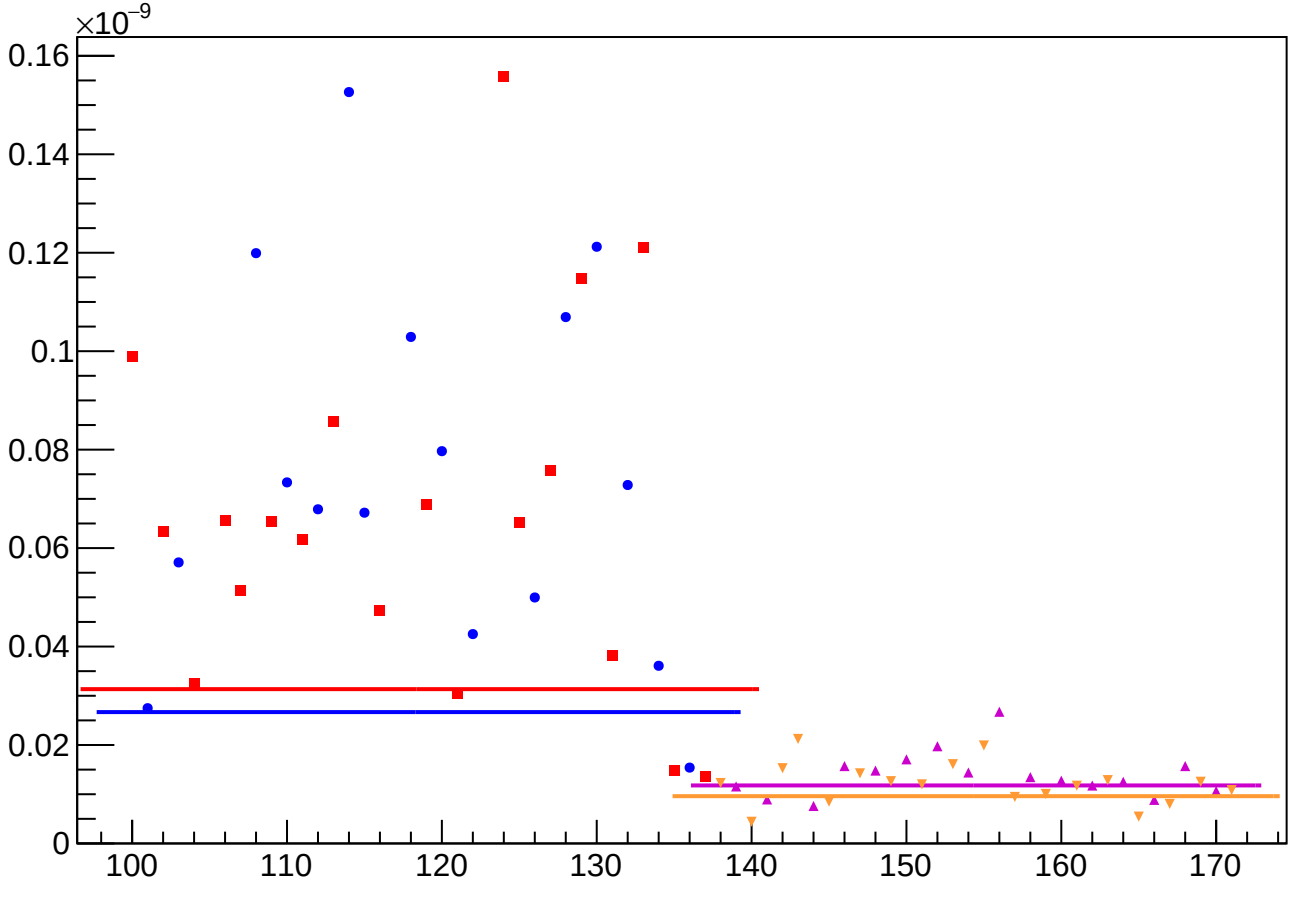
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.4/31

Out: 0.000+/-0.000 χ^2/NDF:47.7/36

All: 0.000+/-0.000 χ^2/NDF: 74.3/68

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:831726.6/15

Left: 0.000+/-0.000 χ^2/NDF: 2412300.1/33

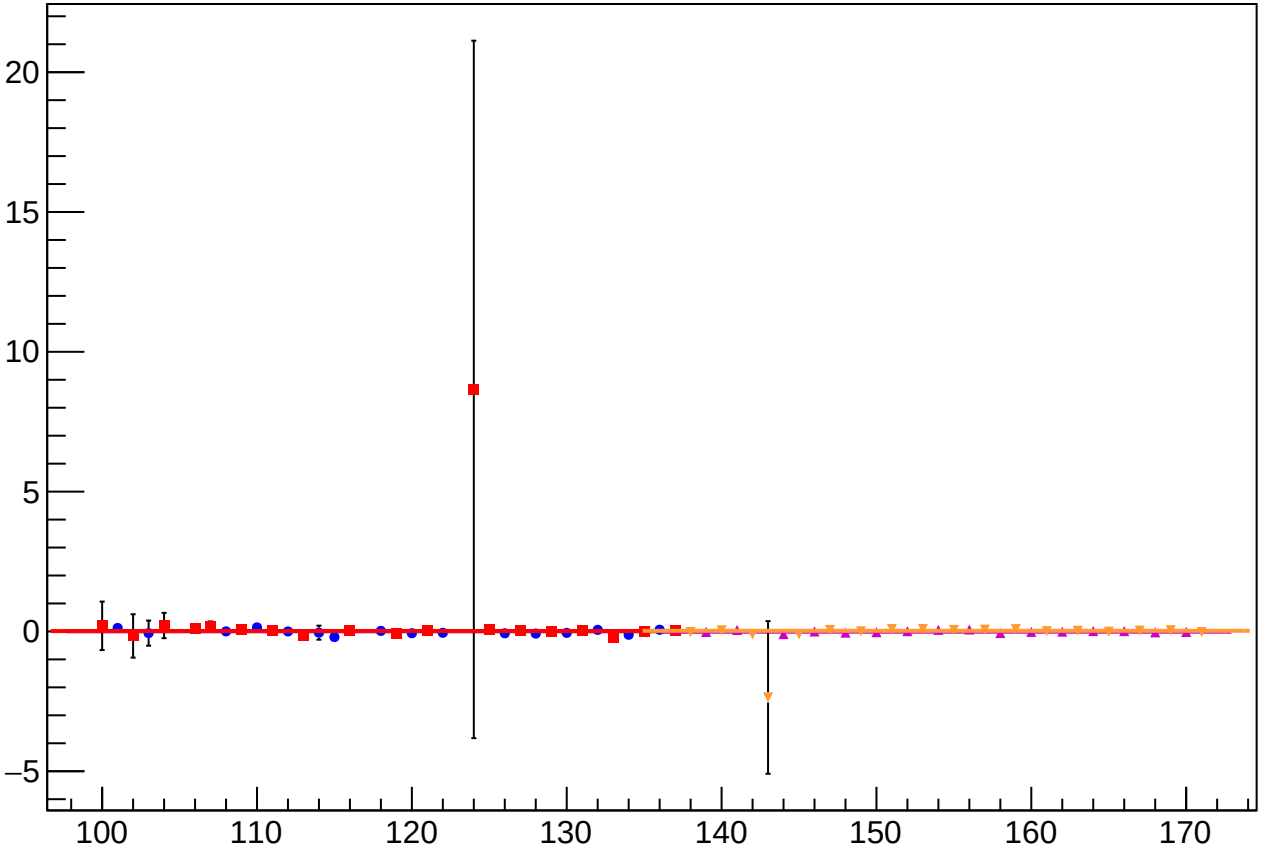
Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4568775.0/31

Out: 0.000+/-0.000 χ^2/NDF:5495263.5/36

All: 0.000+/-0.000 χ^2/NDF: 10309657.7/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

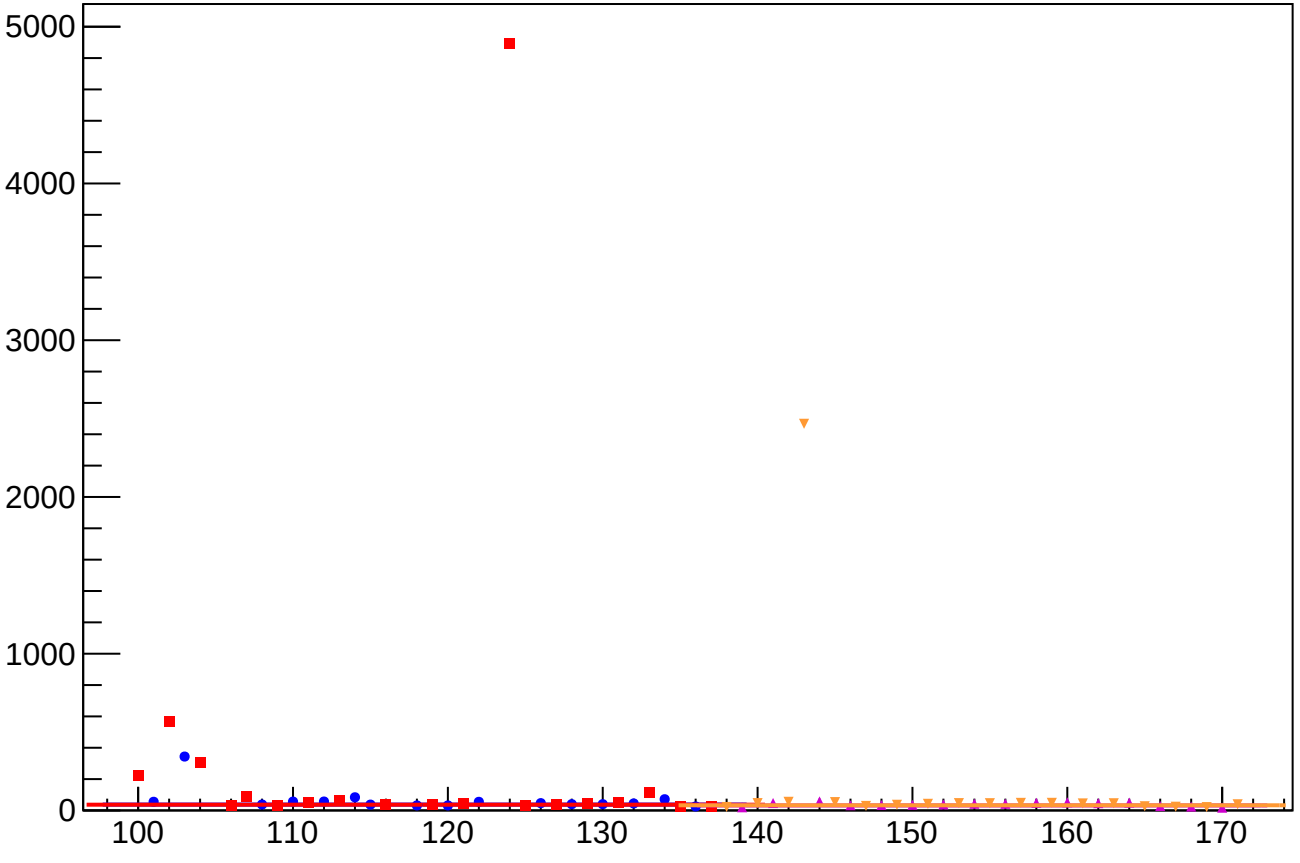
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

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: 31.888+/-0.007 χ^2/NDF:2712775.8/15

Left: 32.417+/-0.005 χ^2/NDF: 6700300.8/33

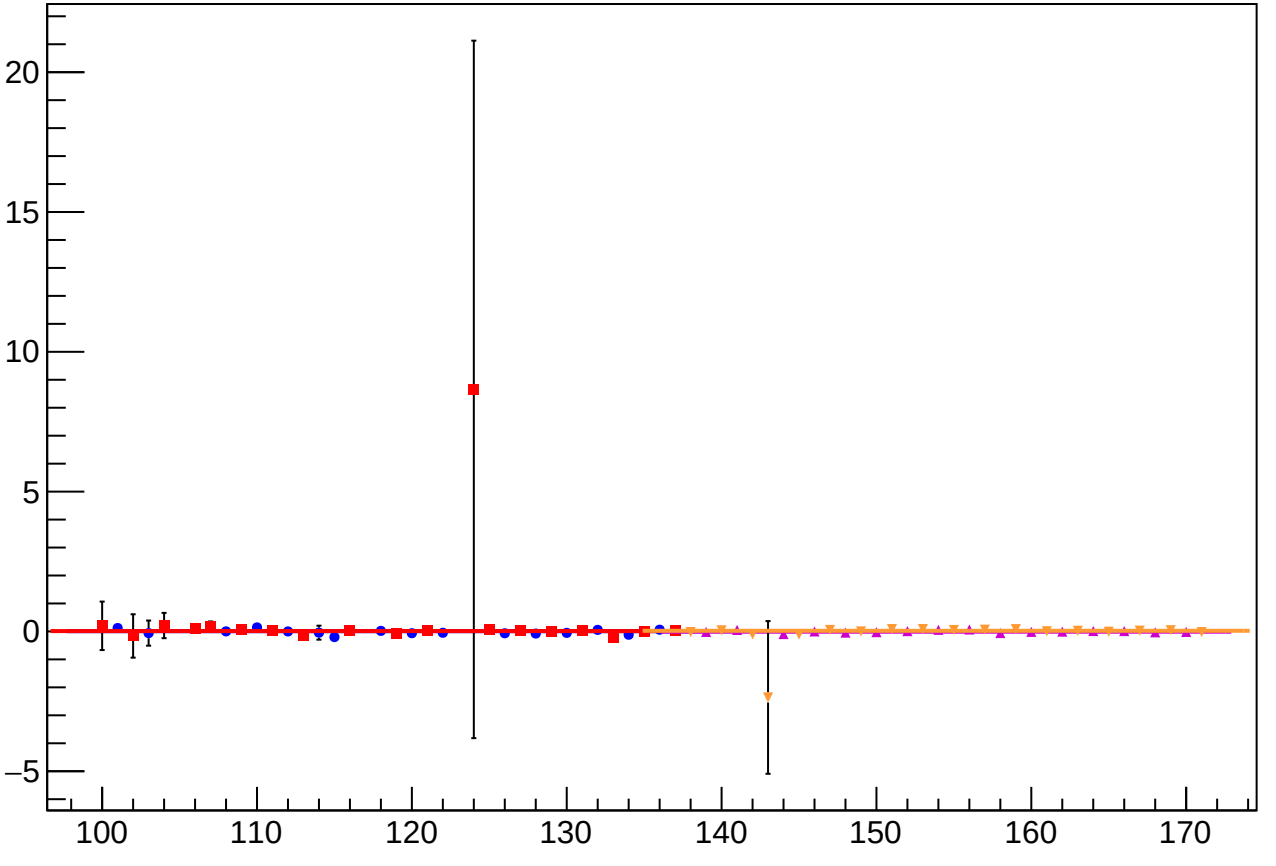
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

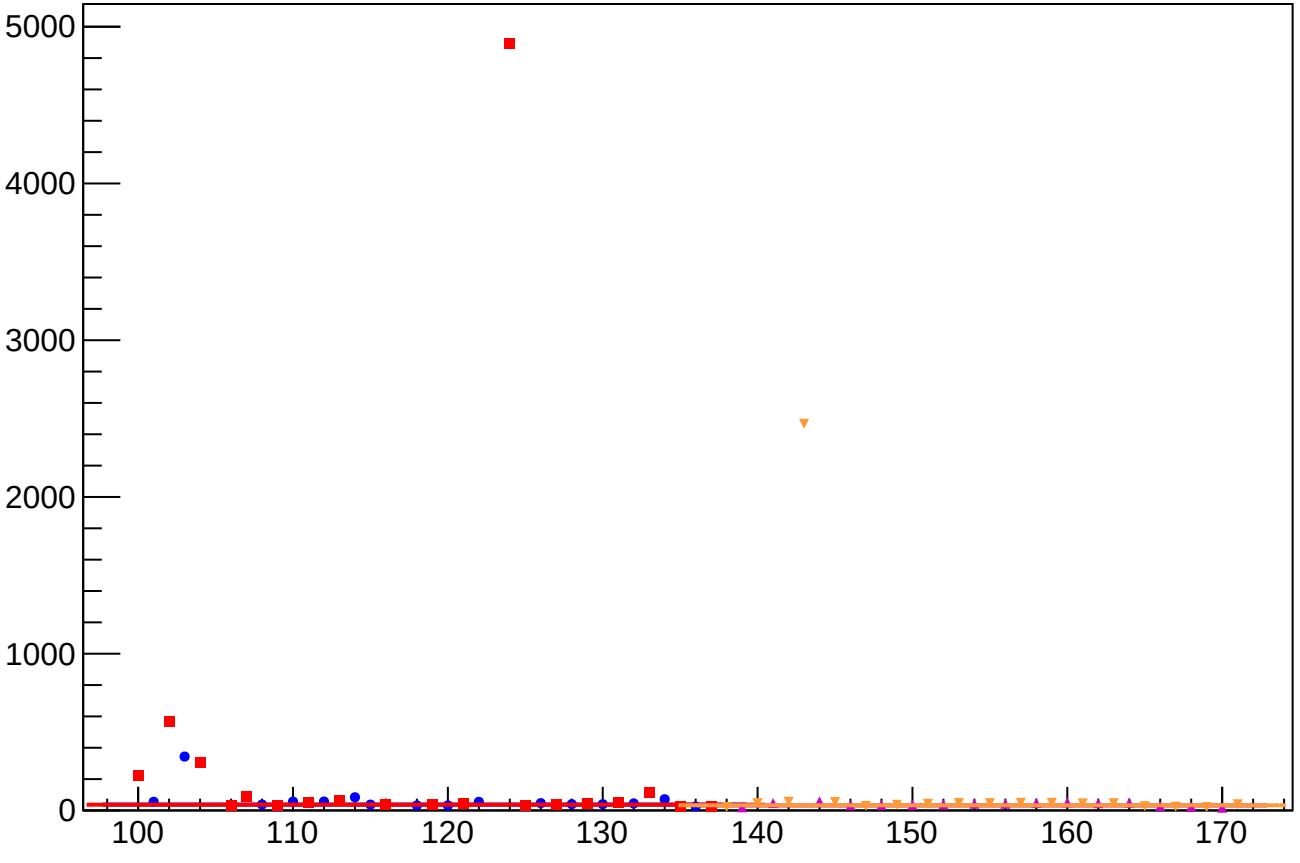
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.0/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

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: 31.888+/-0.007 χ^2/NDF:2712775.8/15

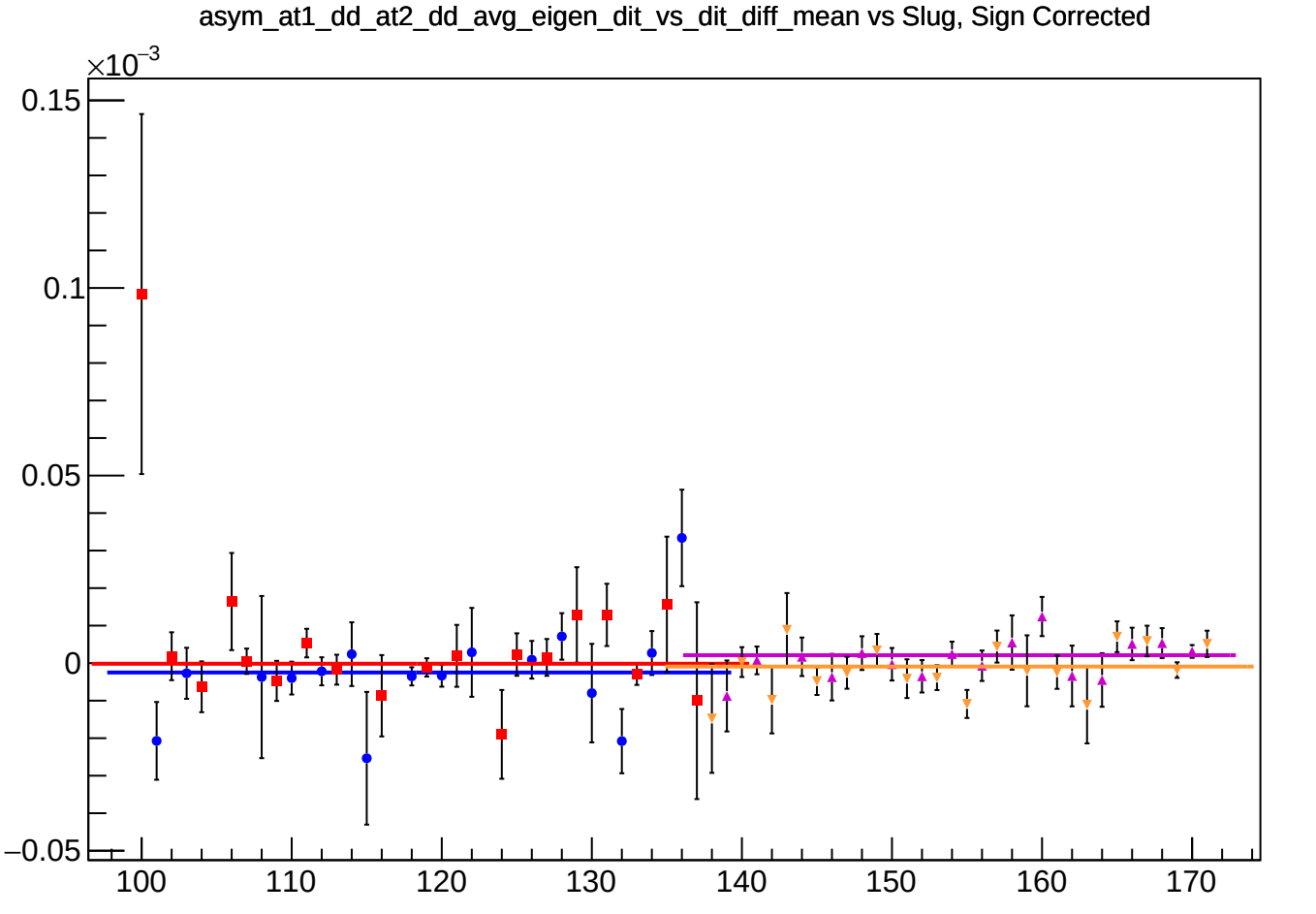
Left: 32.417+/-0.005 χ^2/NDF: 6700300.8/33

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.448+/-0.006 χ^2/NDF:4871548.3/31

Out: 34.020+/-0.006 χ^2/NDF:7242108.5/36

All: 33.726+/-0.004 χ^2/NDF: 12118071.5/68



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:11.8/15

Left: 0.000+/-0.000 χ^2/NDF: 42.4/33

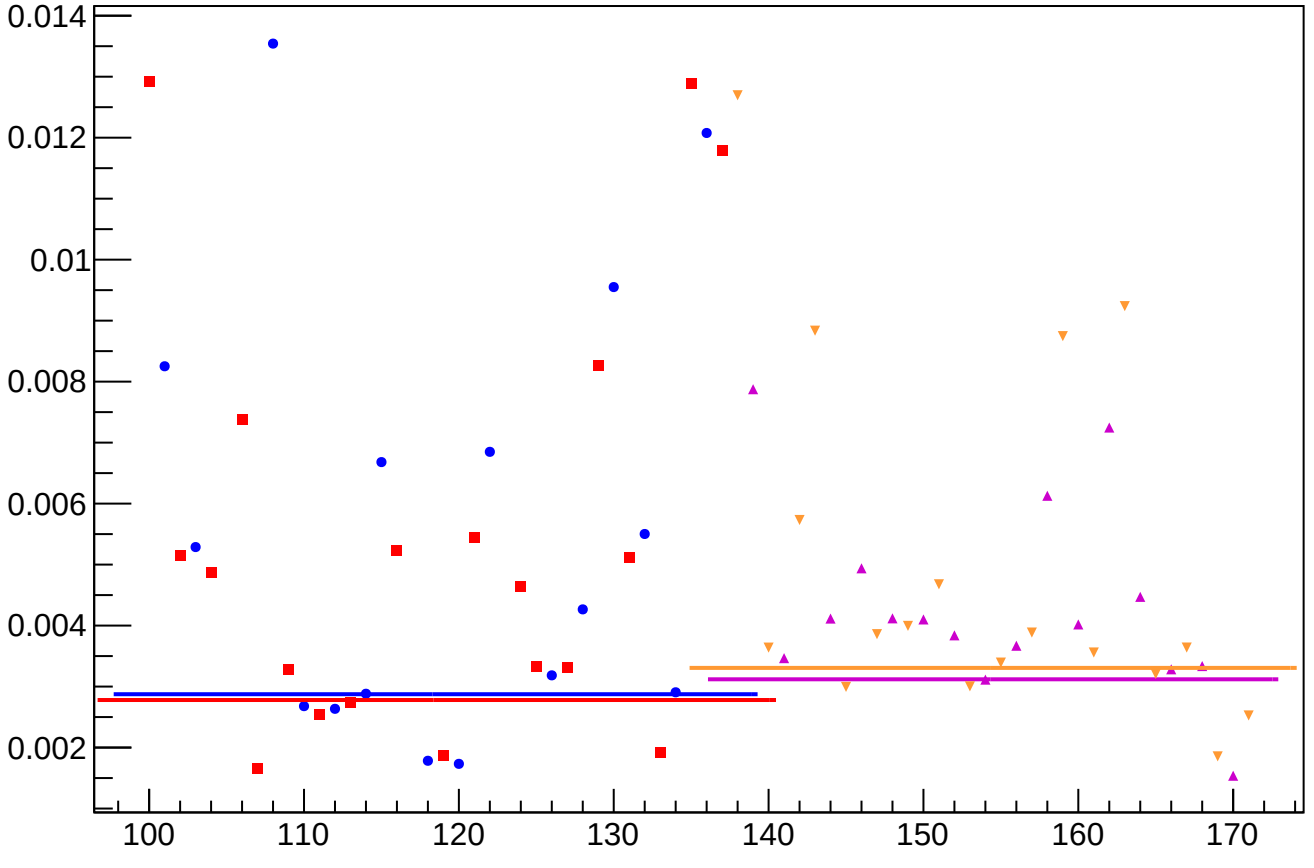
Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: 0.000+/-0.000 χ^2/NDF:41.5/31

Out: -0.000+/-0.000 χ^2/NDF:45.0/36

All: -0.000+/-0.000 χ^2/NDF: 87.4/68

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:3774445.4/15

Left: 0.003+/-0.000 χ^2/NDF: 8168897.4/33

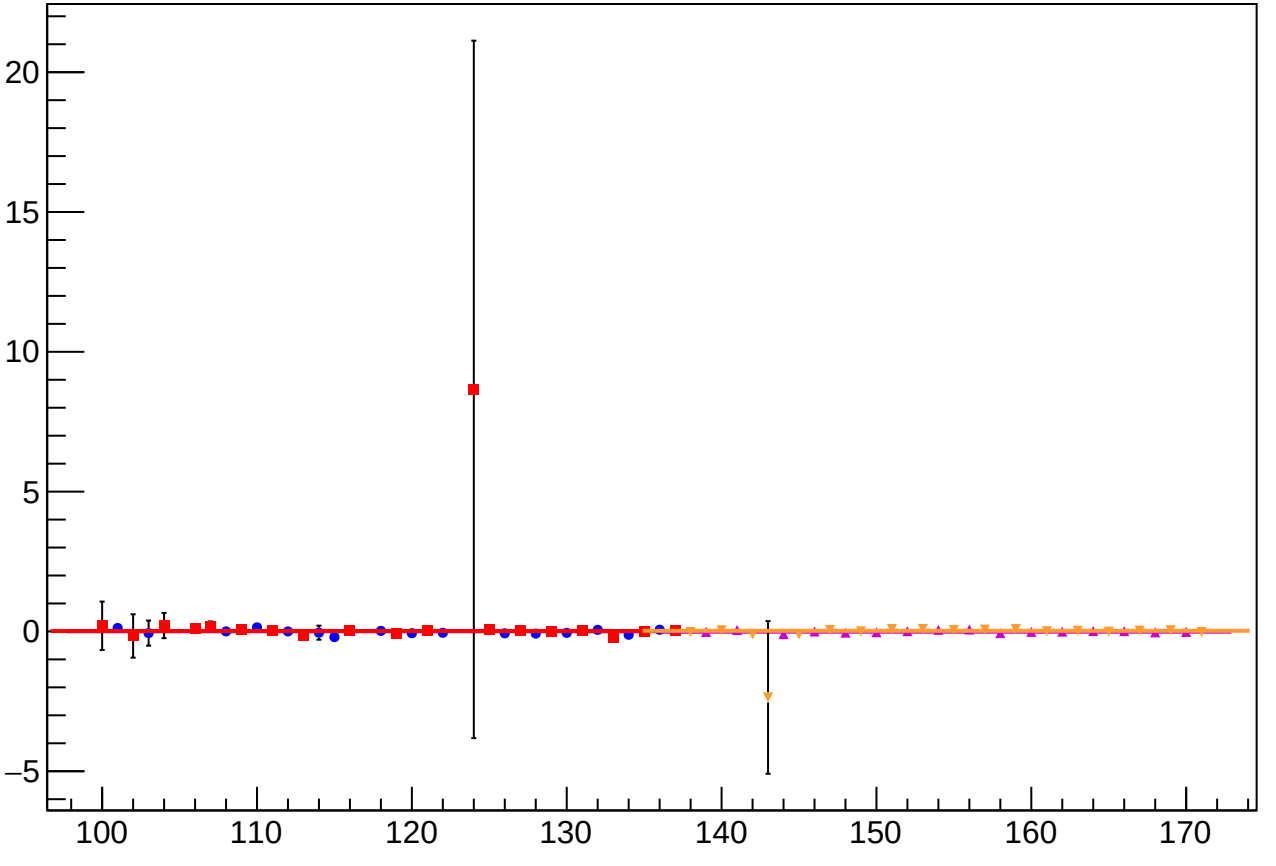
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.003+/-0.000 χ^2/NDF:7970819.0/31

Out: 0.003+/-0.000 χ^2/NDF:7906710.8/36

All: 0.003+/-0.000 χ^2/NDF: 15883549.2/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

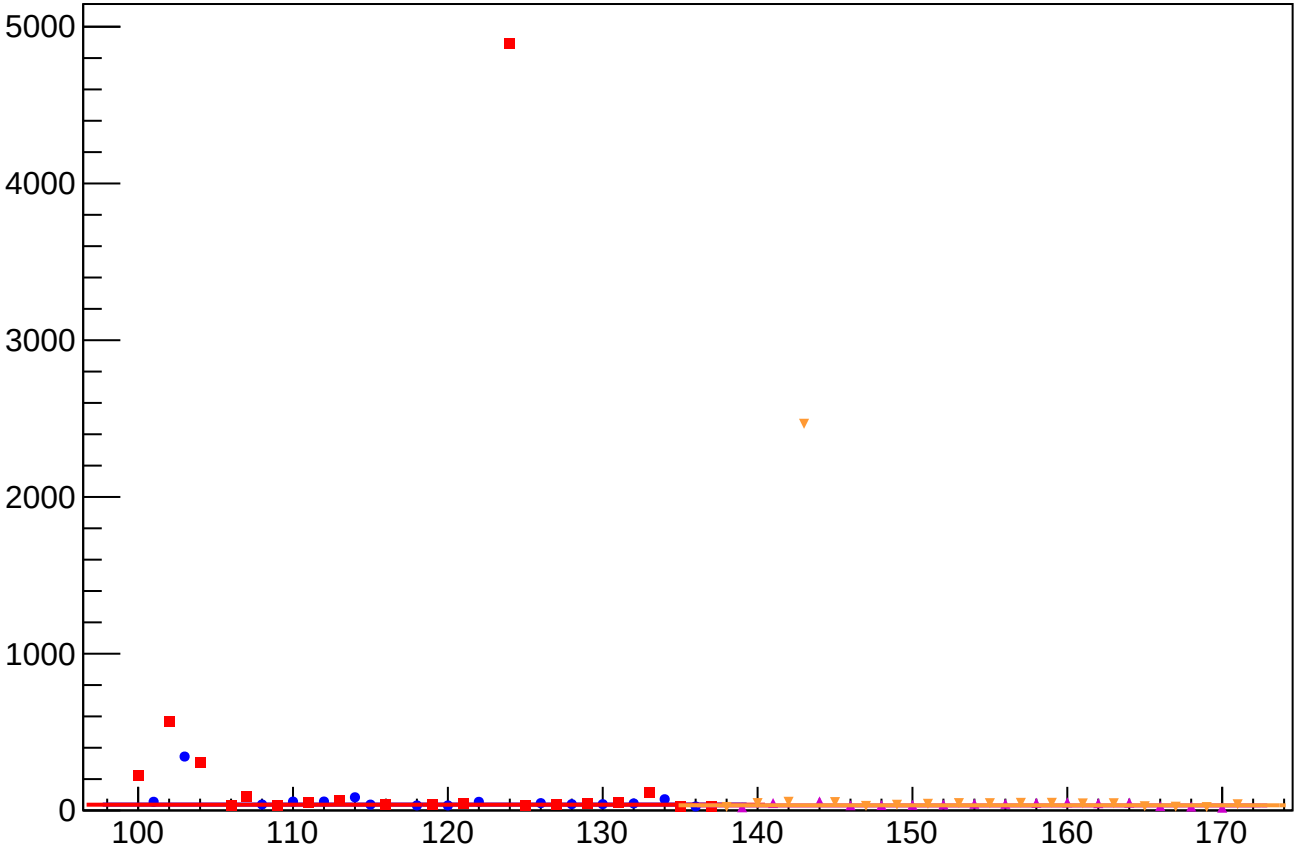
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

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: 31.890+/-0.007 χ^2/NDF:2711665.5/15

Left: 32.418+/-0.005 χ^2/NDF: 6699184.1/33

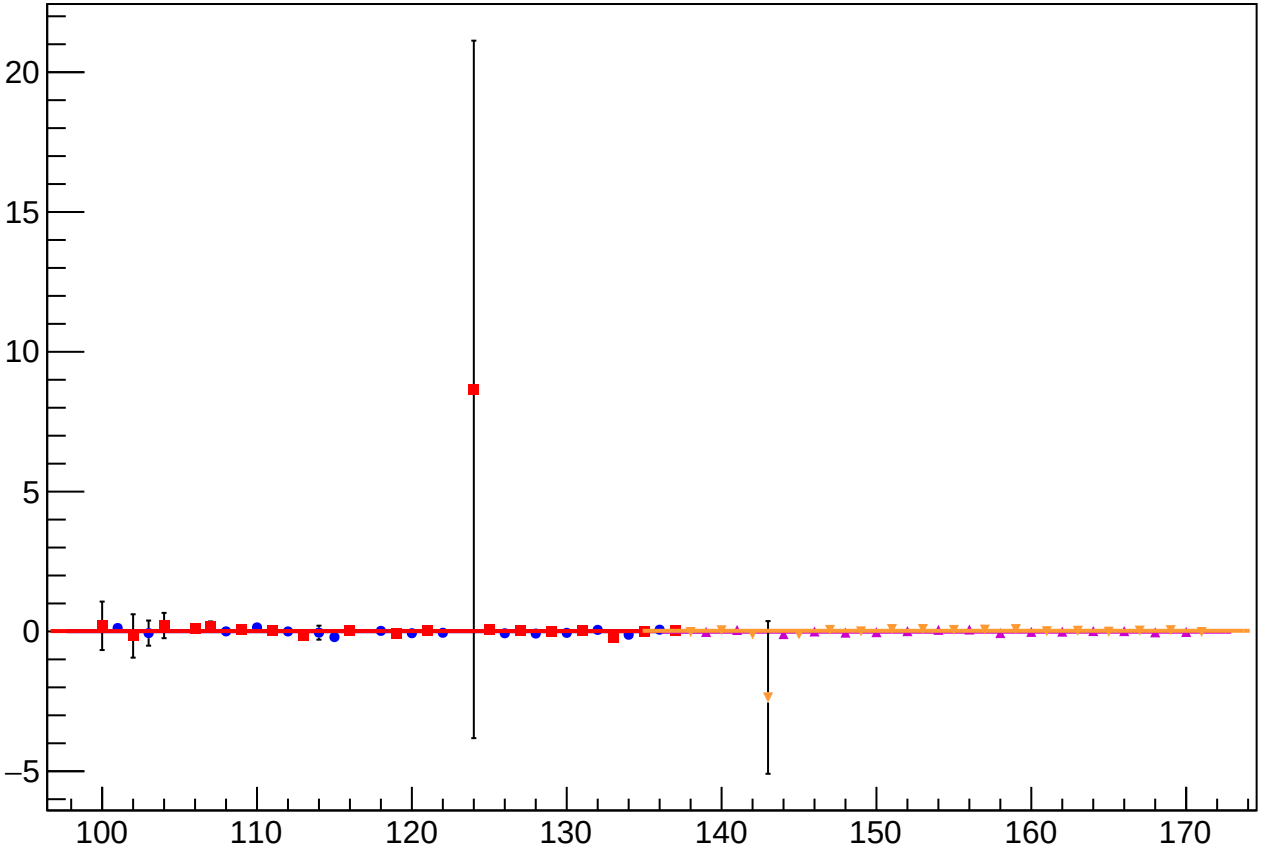
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68

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:10.8/15

Left: 0.006+/-0.007 χ^2/NDF: 34.2/33

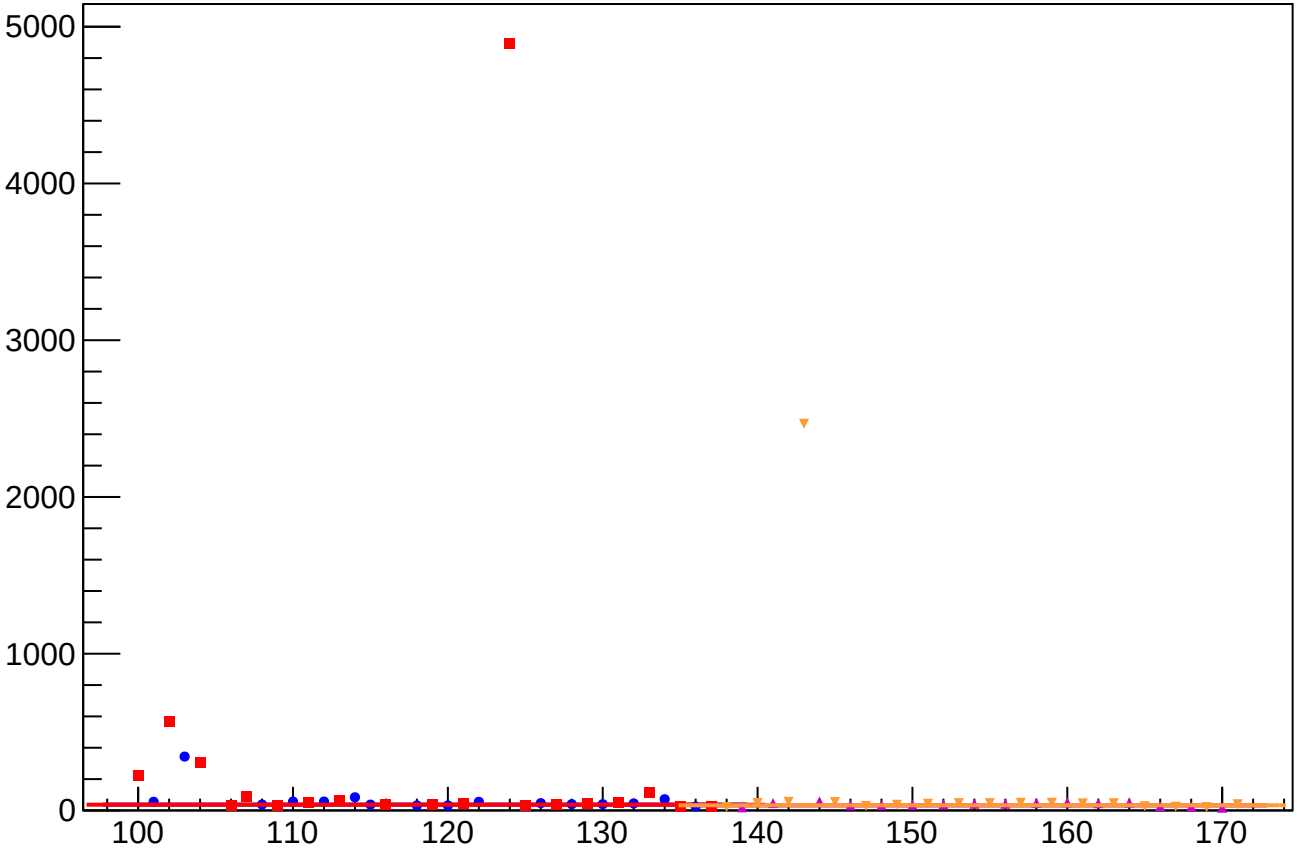
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:31.1/31

Out: 0.020+/-0.009 χ^2/NDF:31.0/36

All: 0.007+/-0.006 χ^2/NDF: 66.2/68

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: 31.890+/-0.007 χ^2/NDF:2711665.5/15

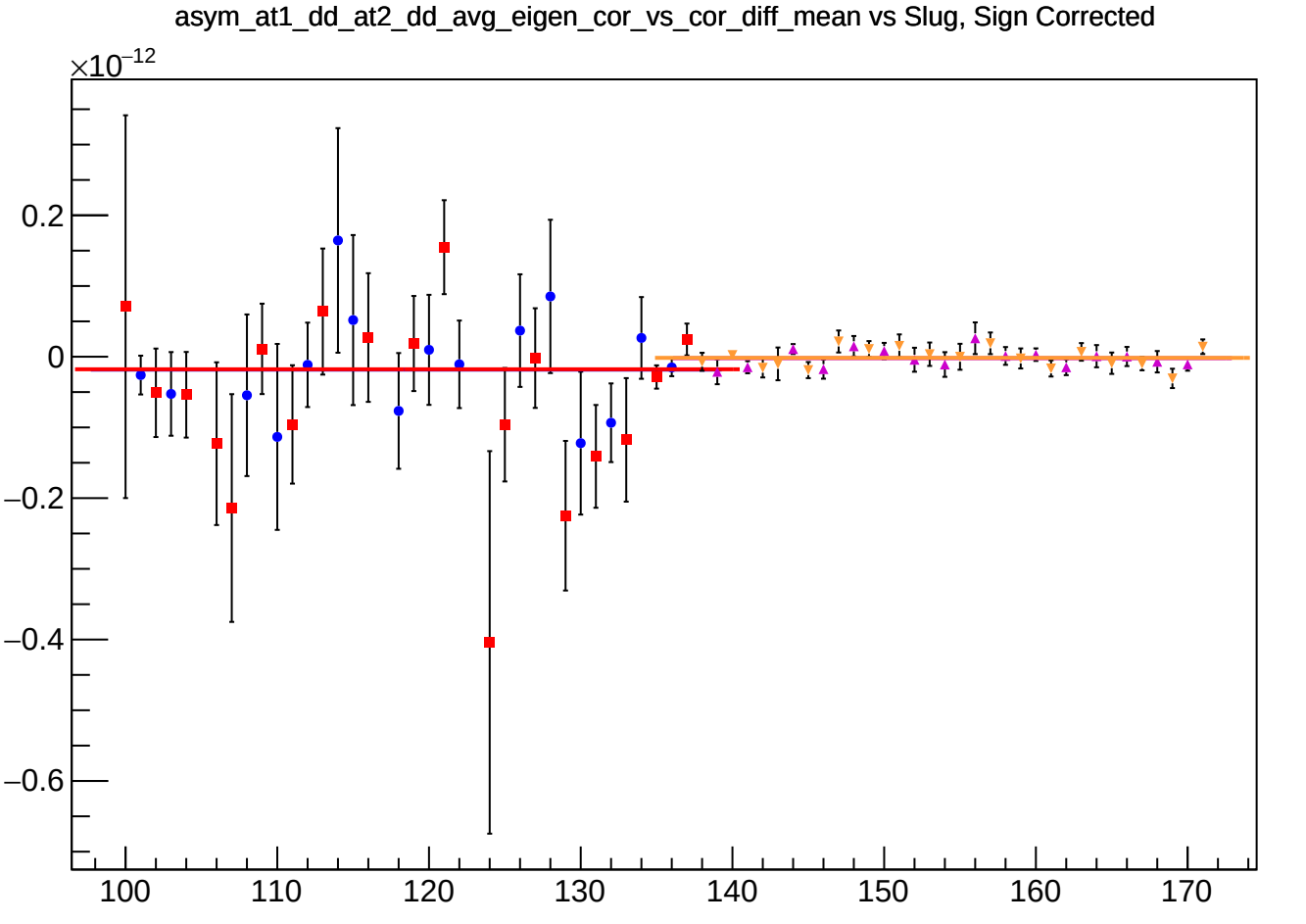
Left: 32.418+/-0.005 χ^2/NDF: 6699184.1/33

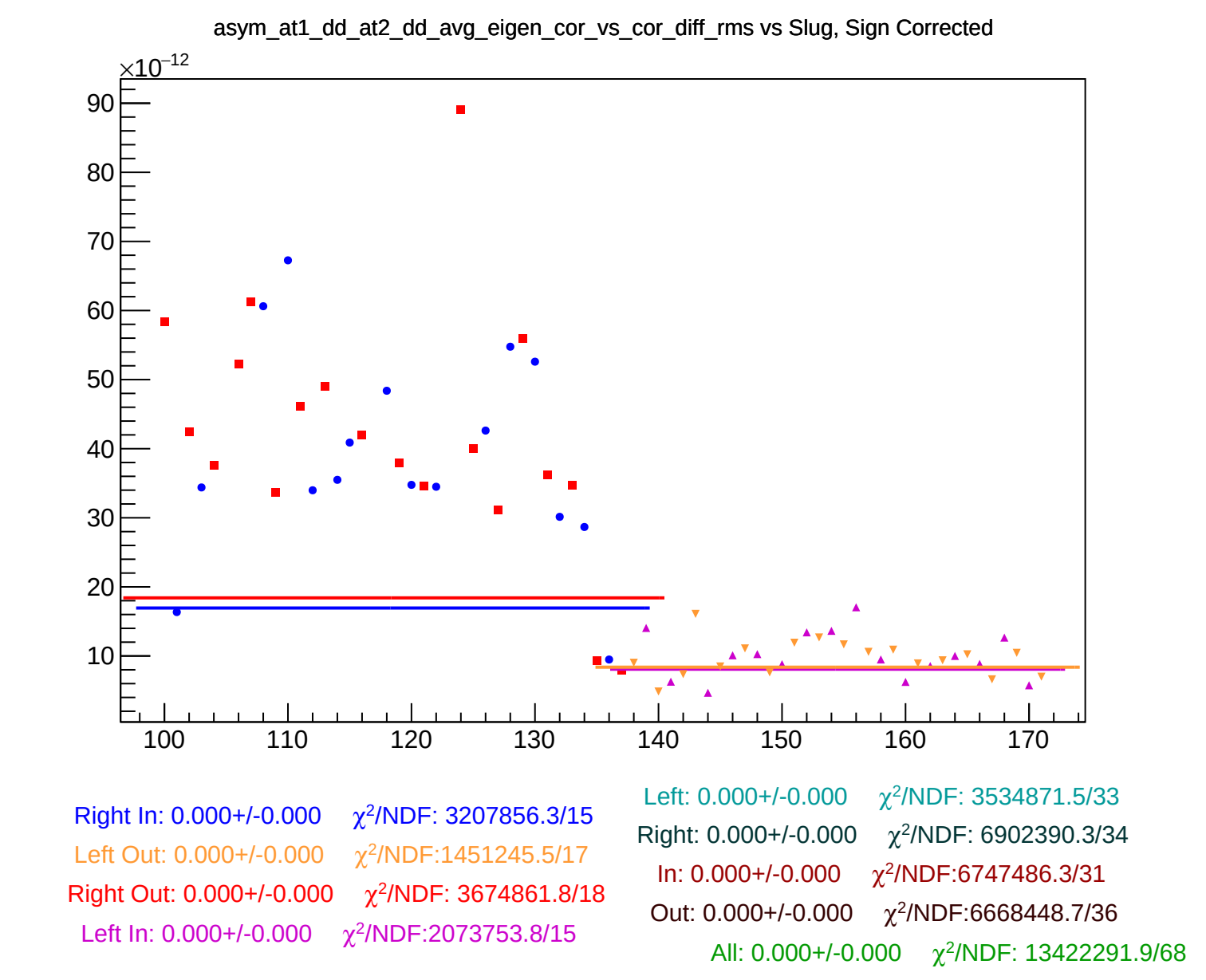
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.450+/-0.006 χ^2/NDF:4870259.8/31

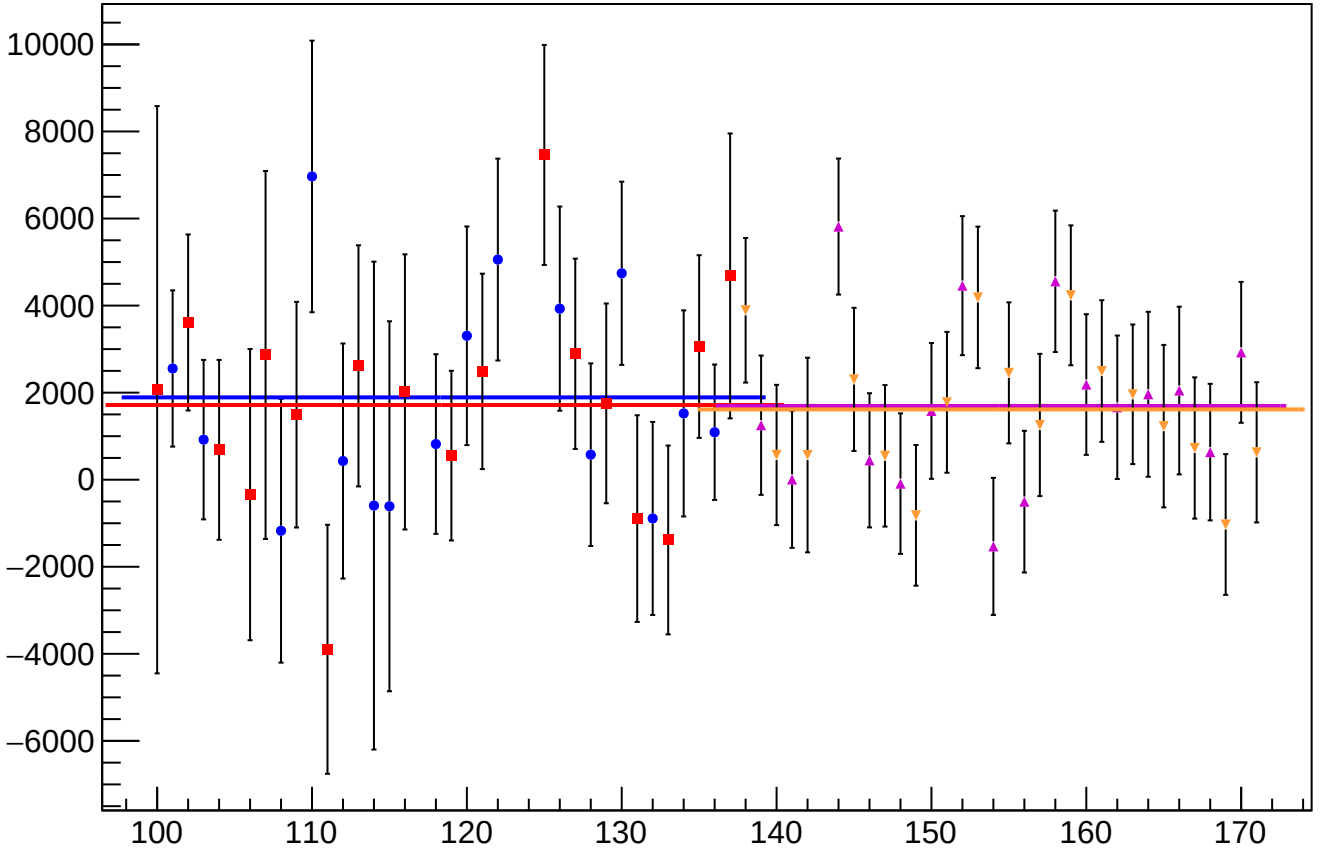
Out: 34.020+/-0.006 χ^2/NDF:7241970.3/36

All: 33.727+/-0.004 χ^2/NDF: 12116613.2/68


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.3/15
Left Out: -0.000+/-0.000 χ²/NDF:20.5/17
Right Out: -0.000+/-0.000 χ²/NDF: 27.3/18
Left In: -0.000+/-0.000 χ²/NDF:14.8/15
Left: -0.000+/-0.000 χ²/NDF: 35.3/33
Right: -0.000+/-0.000 χ²/NDF: 35.6/34
In: -0.000+/-0.000 χ²/NDF:25.5/31
Out: -0.000+/-0.000 χ²/NDF:49.7/36
All: -0.000+/-0.000 χ²/NDF: 75.3/68


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:2073753.8/15
Left: 0.000+/-0.000 χ²/NDF: 3534871.5/33
Right: 0.000+/-0.000 χ²/NDF: 6902390.3/34
In: 0.000+/-0.000 χ²/NDF:6747486.3/31
Out: 0.000+/-0.000 χ²/NDF:6668448.7/36
All: 0.000+/-0.000 χ²/NDF: 13422291.9/68

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



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: 1693.930+/-406.238 χ^2/NDF:23.4/15

Left: 1653.889+/-285.791 χ^2/NDF: 38.0/32

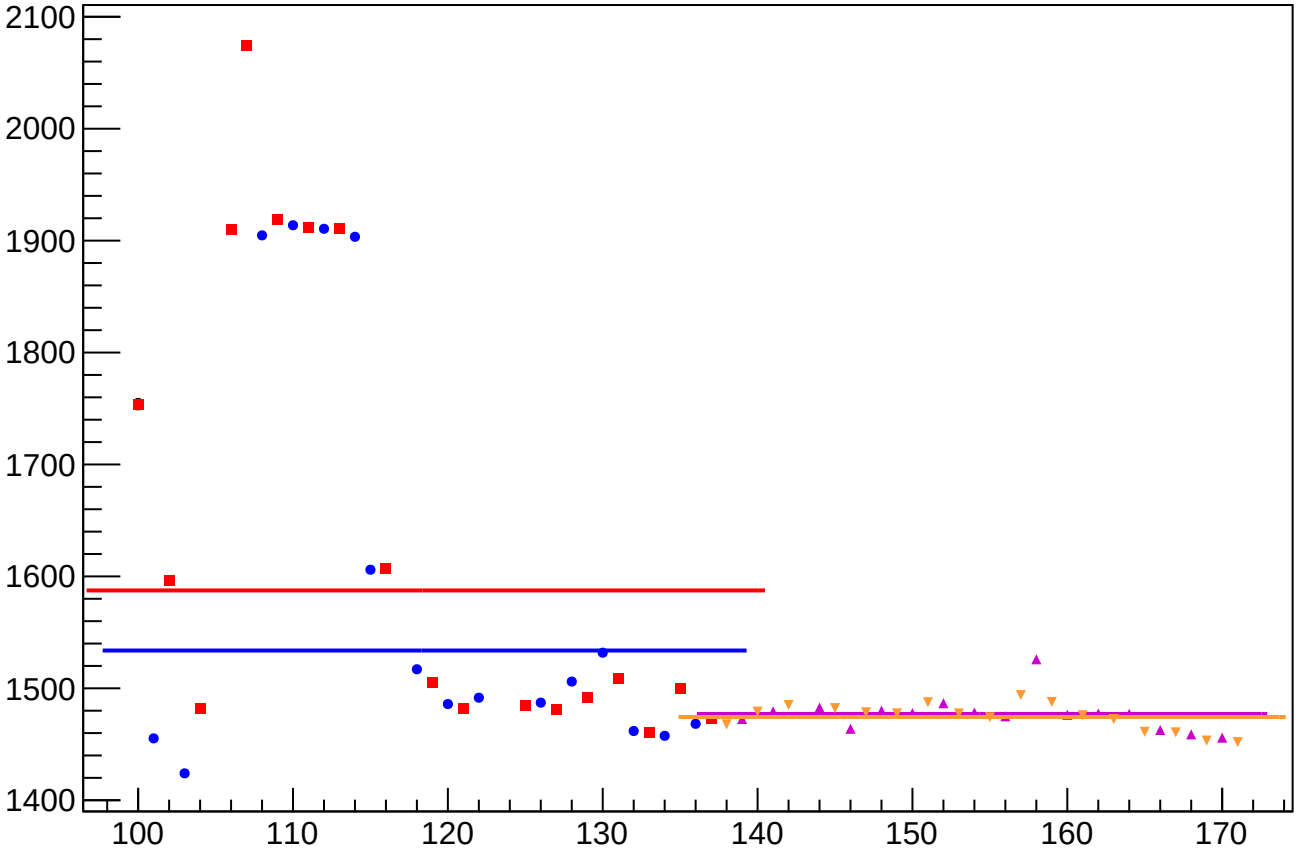
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1760.120+/-331.255 χ^2/NDF:35.7/31

Out: 1646.807+/-332.203 χ^2/NDF:30.6/34

All: 1703.625+/-234.567 χ^2/NDF: 66.3/66

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



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: 1477.088+/-0.287 χ^2/NDF:2809.9/15

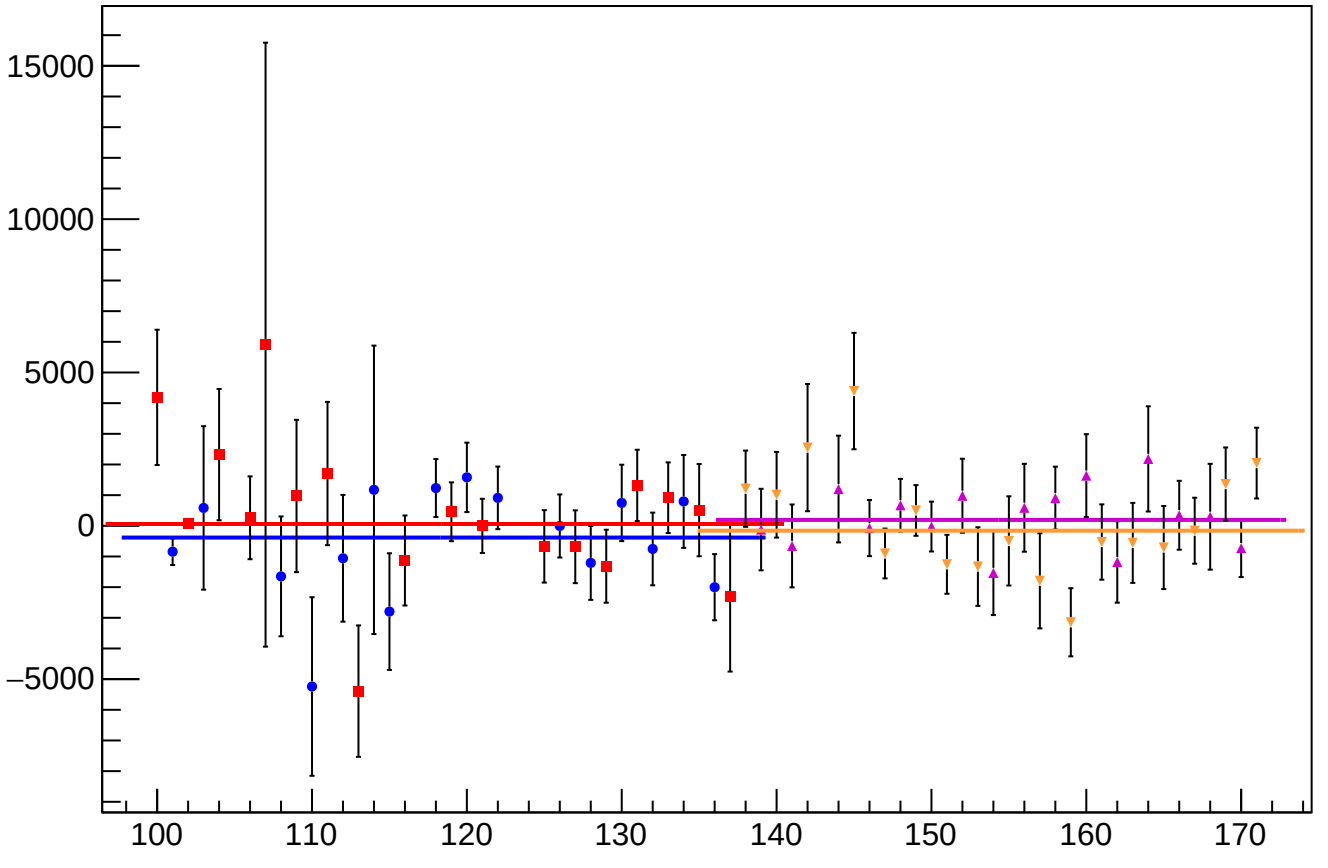
Left: 1475.727+/-0.202 χ^2/NDF: 4560.5/32

Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1496.082+/-0.234 χ^2/NDF:145129.1/31

Out: 1510.297+/-0.235 χ^2/NDF:223904.7/34

All: 1503.169+/-0.166 χ^2/NDF: 370870.2/66



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: 192.448+/-290.385 χ^2/NDF:8.3/15

Left: 14.914+/-204.093 χ^2/NDF: 36.1/32

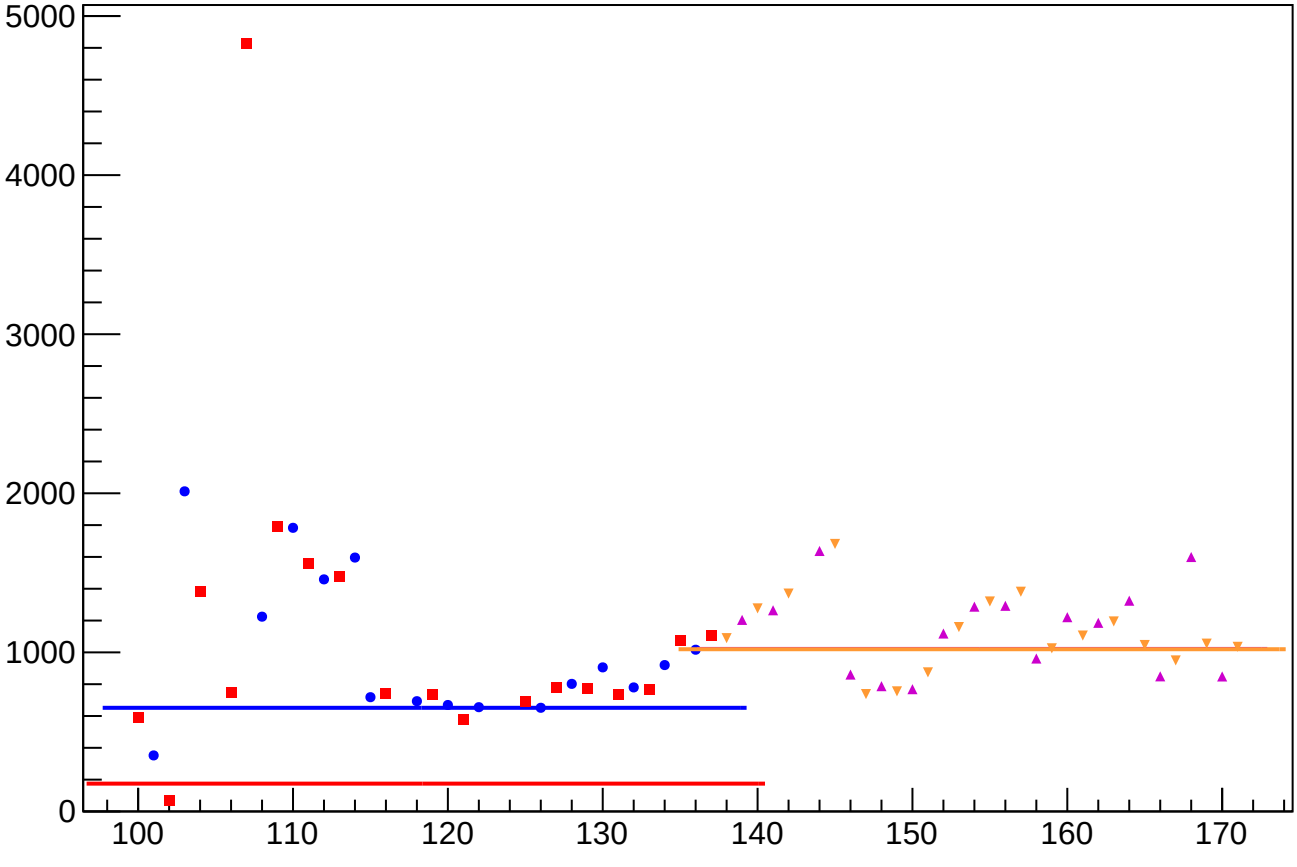
Right: -19.895+/-115.611 χ^2/NDF: 38.1/33

In: -113.735+/-198.596 χ^2/NDF:28.6/31

Out: 23.864+/-116.666 χ^2/NDF:45.2/34

All: -11.439+/-100.593 χ^2/NDF: 74.2/66

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: 1021.630+/-0.205 χ^2/NDF:1397710.8/15

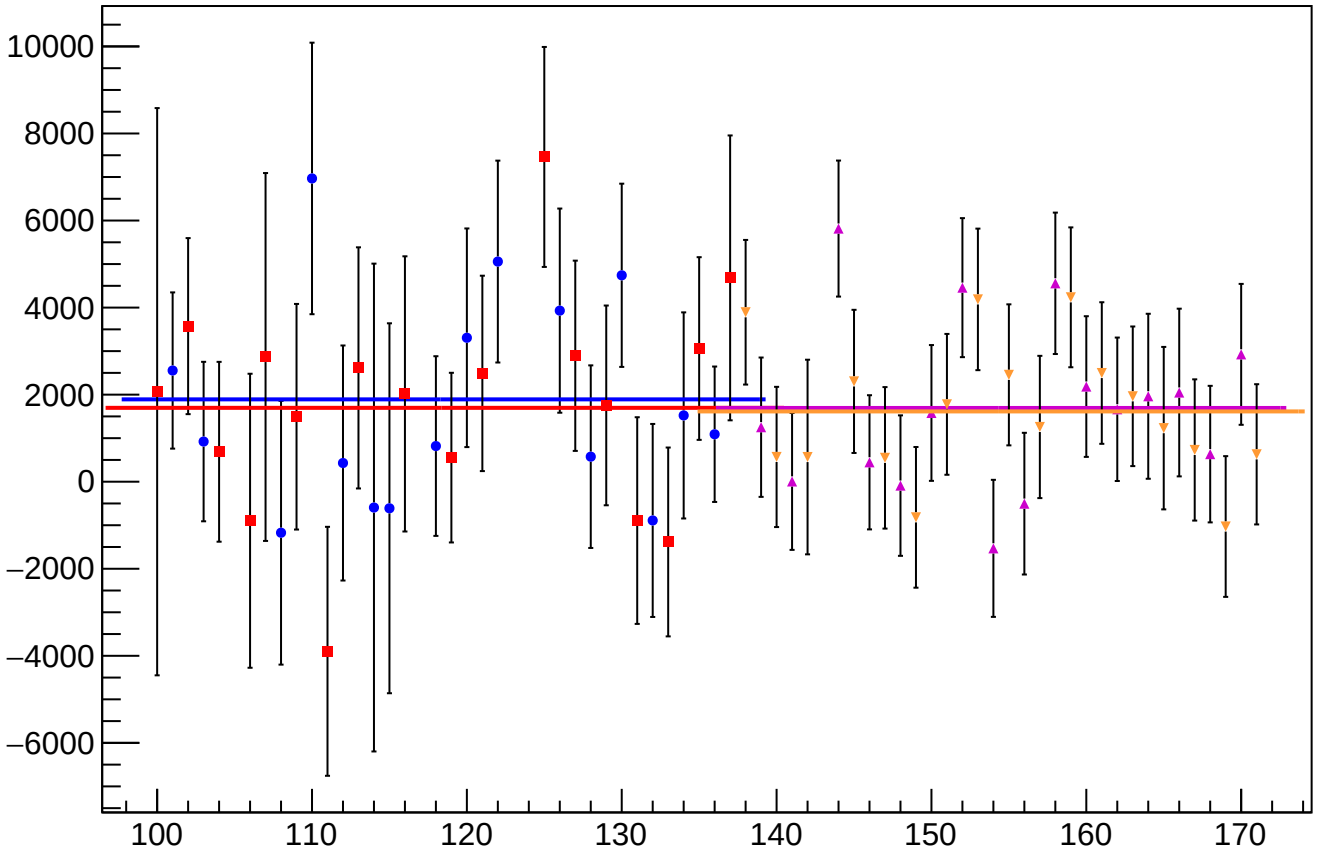
Left: 1020.695+/-0.144 χ^2/NDF: 2538034.2/32

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 824.632+/-0.140 χ^2/NDF:5889668.9/31

Out: 314.599+/-0.082 χ^2/NDF:25377265.4/34

All: 445.455+/-0.071 χ^2/NDF: 41073785.7/66



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: 1694.005+/-406.238 χ^2/NDF:23.4/15

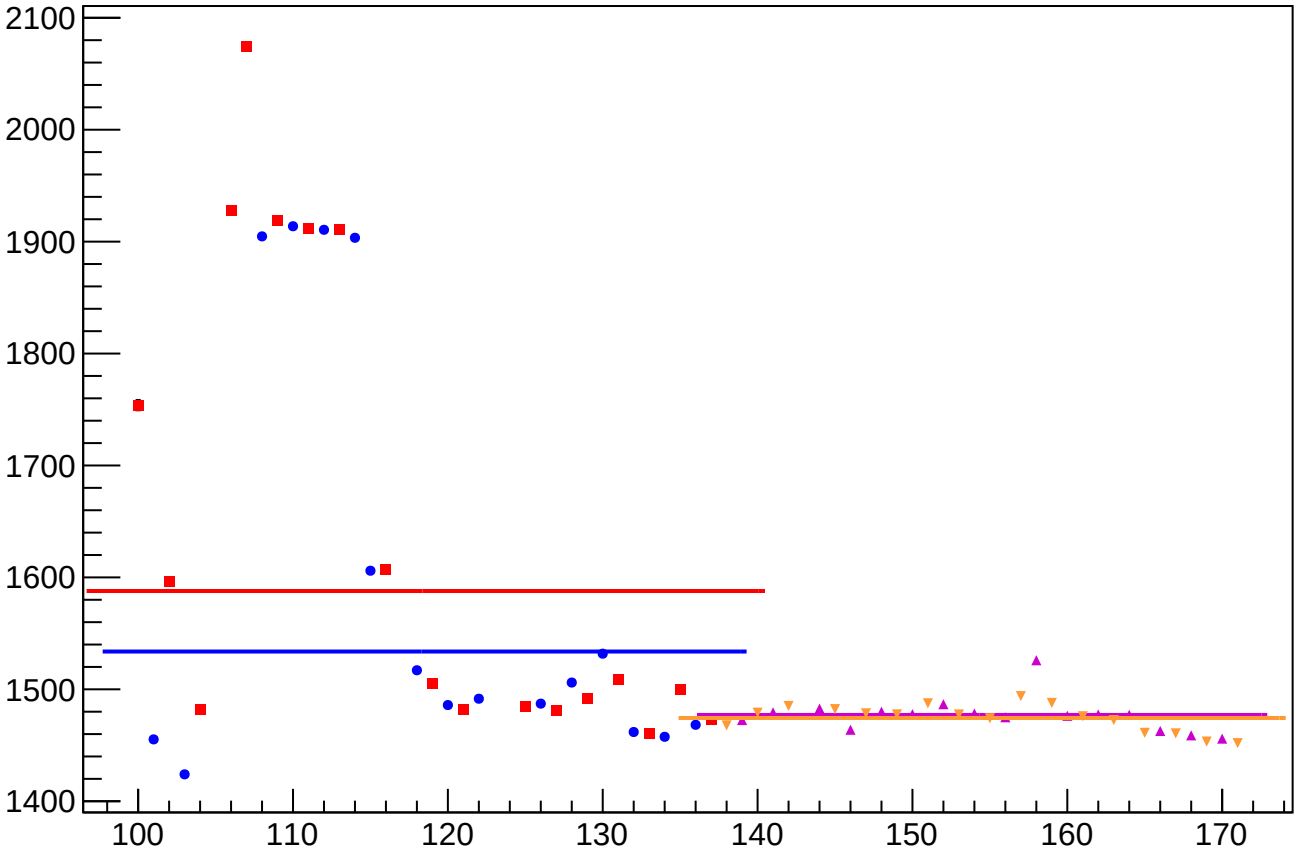
Left: 1653.921+/-285.791 χ^2/NDF: 38.0/32

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1760.204+/-331.255 χ^2/NDF:35.7/31

Out: 1640.781+/-332.236 χ^2/NDF:30.8/34

All: 1700.669+/-234.579 χ^2/NDF: 66.5/66



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: 1477.088+/-0.287 χ^2/NDF:2809.9/15

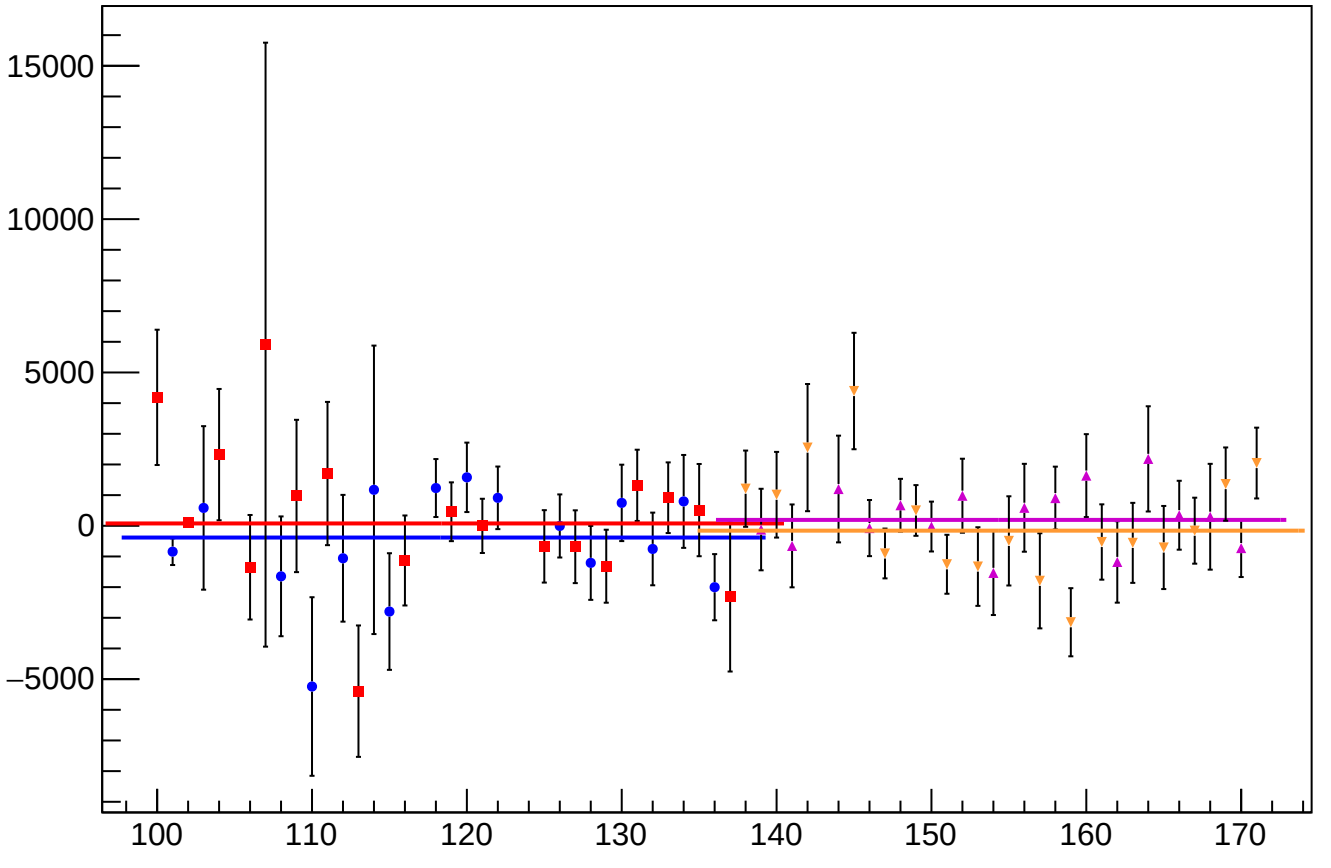
Left: 1475.727+/-0.202 χ^2/NDF: 4560.5/32

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1496.082+/-0.234 χ^2/NDF:145129.0/31

Out: 1510.405+/-0.235 χ^2/NDF:226004.6/34

All: 1503.222+/-0.166 χ^2/NDF: 372997.6/66



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: 192.486+/-290.385 χ^2/NDF:8.3/15

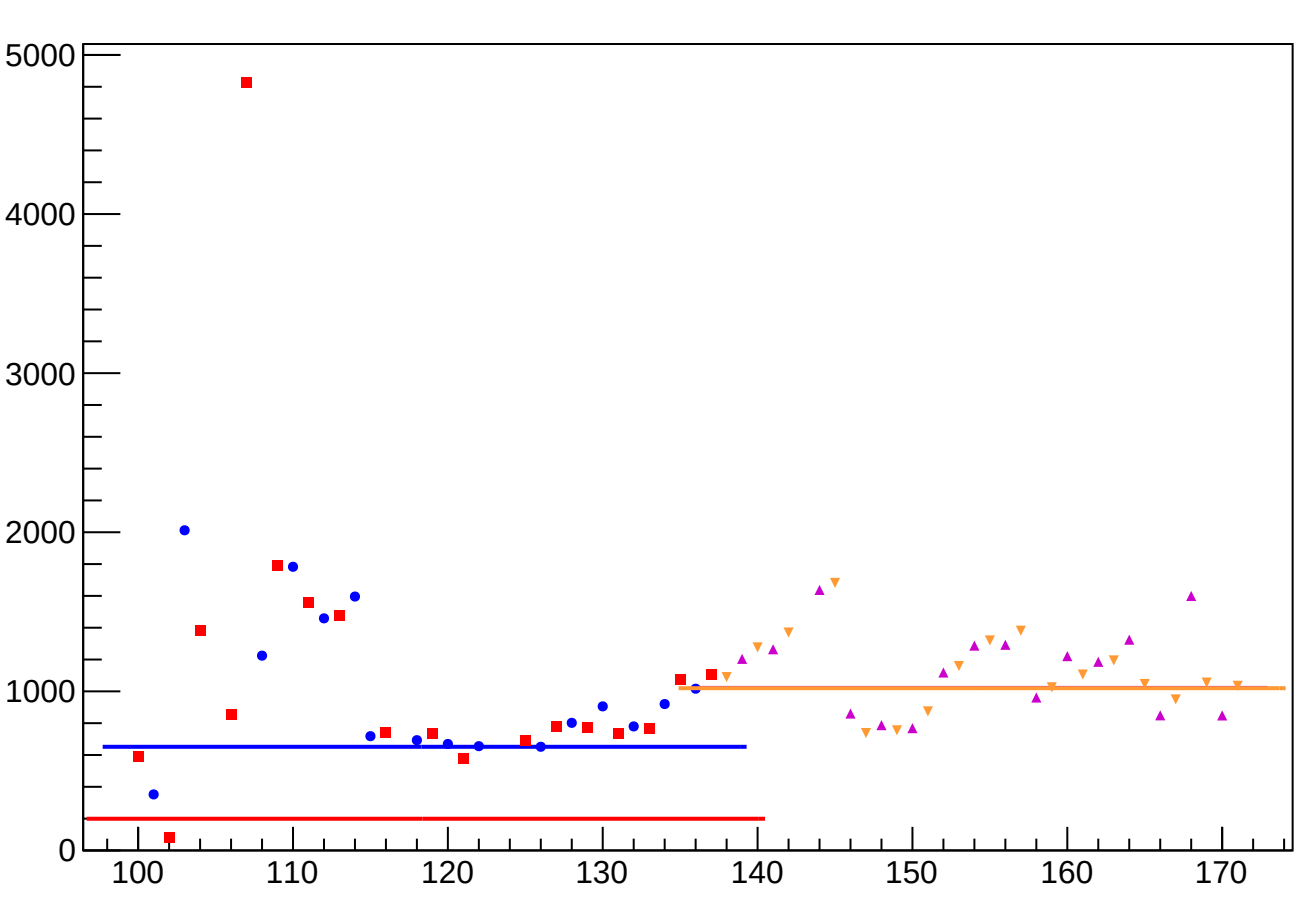
Left: 14.938+/-204.093 χ^2/NDF: 36.1/32

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.703+/-198.596 χ^2/NDF:28.6/31

Out: 32.504+/-124.463 χ^2/NDF:46.0/34

All: -8.727+/-105.463 χ^2/NDF: 75.0/66



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: 1021.629+/-0.205 χ^2/NDF:1397804.2/15

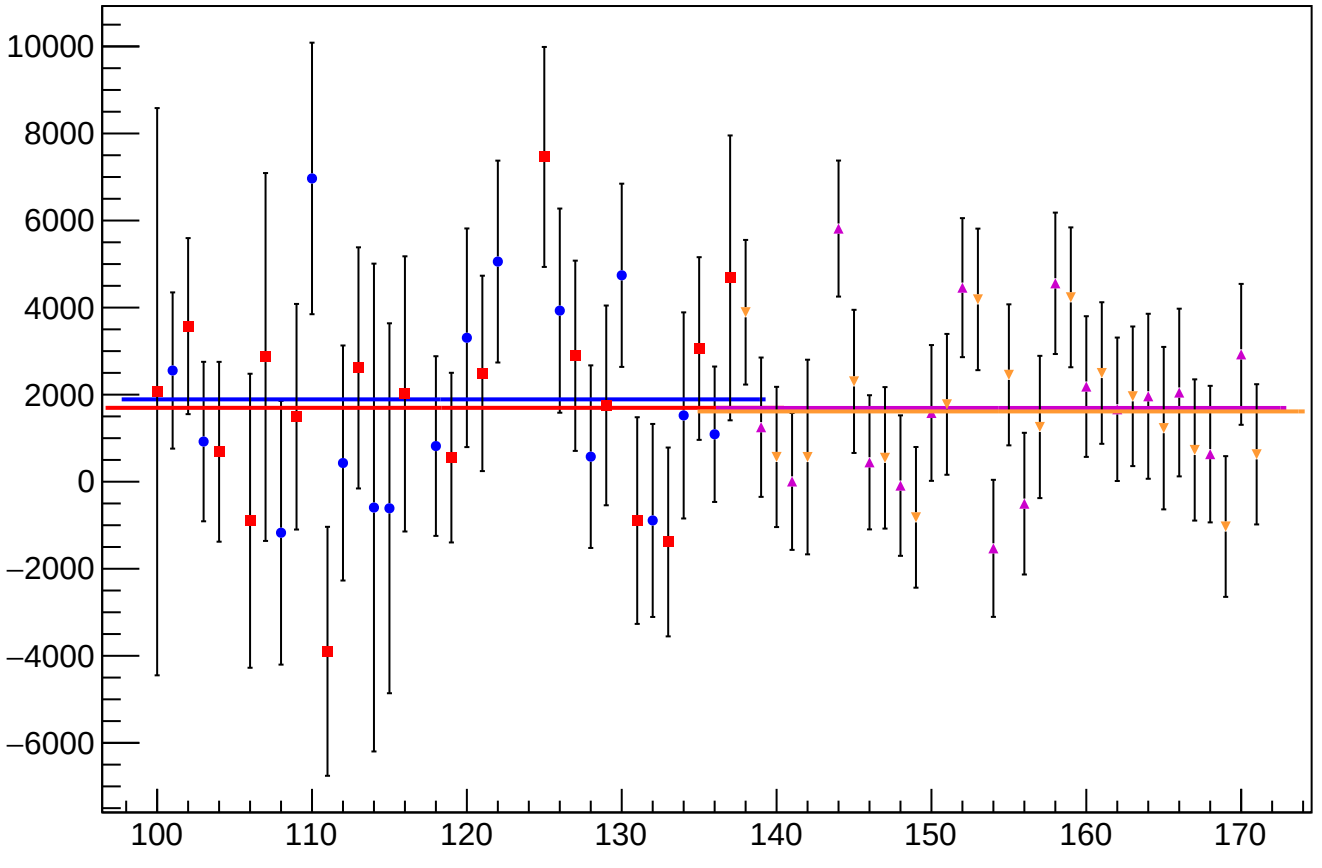
Left: 1020.696+/-0.144 χ^2/NDF: 2538139.3/32

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 824.630+/-0.140 χ^2/NDF:5889797.5/31

Out: 353.739+/-0.088 χ^2/NDF:23701844.5/34

All: 486.533+/-0.075 χ^2/NDF: 37664941.7/66



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: 1694.005+/-406.238 χ^2/NDF:23.4/15

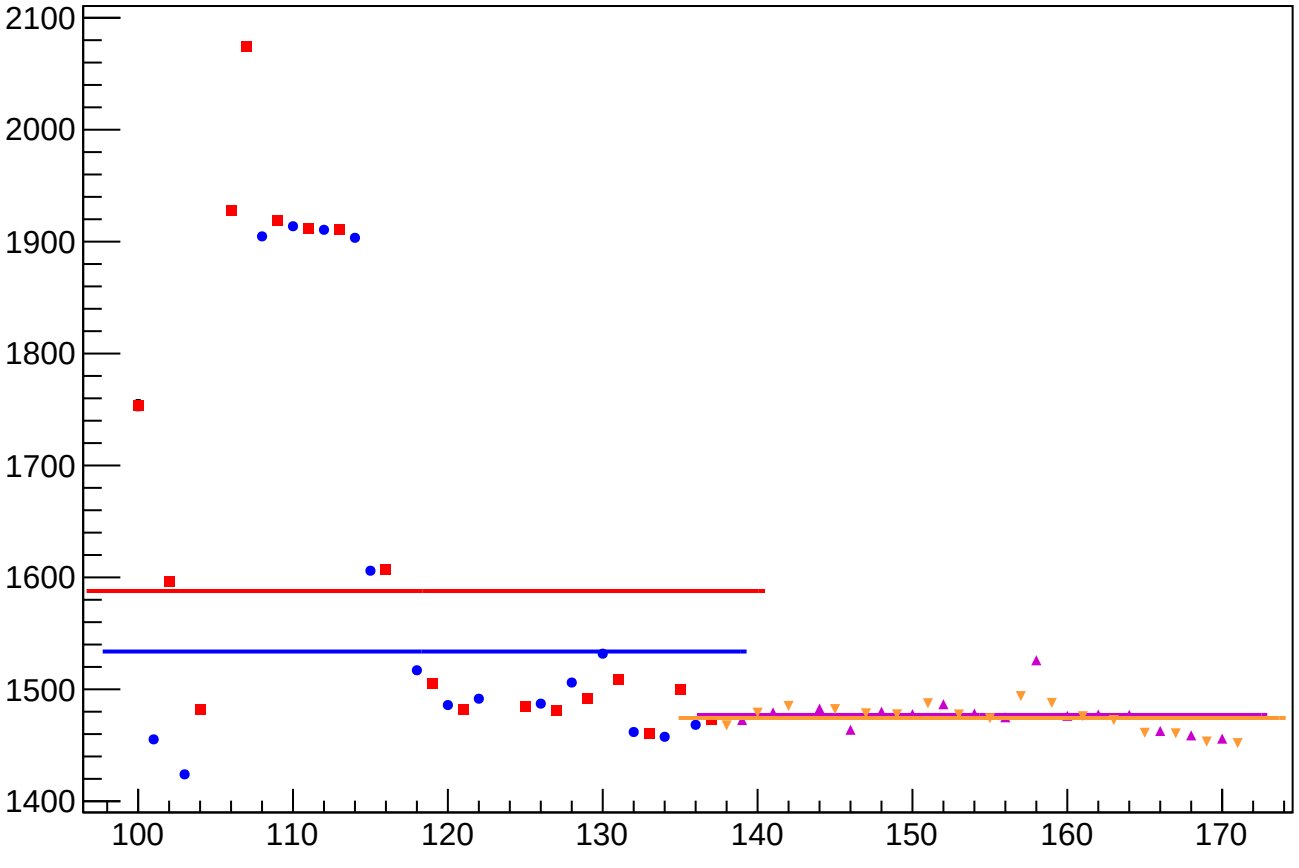
Left: 1653.921+/-285.791 χ^2/NDF: 38.0/32

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1760.204+/-331.255 χ^2/NDF:35.7/31

Out: 1640.781+/-332.236 χ^2/NDF:30.8/34

All: 1700.669+/-234.579 χ^2/NDF: 66.5/66



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: 1477.088+/-0.287 χ^2/NDF:2809.9/15

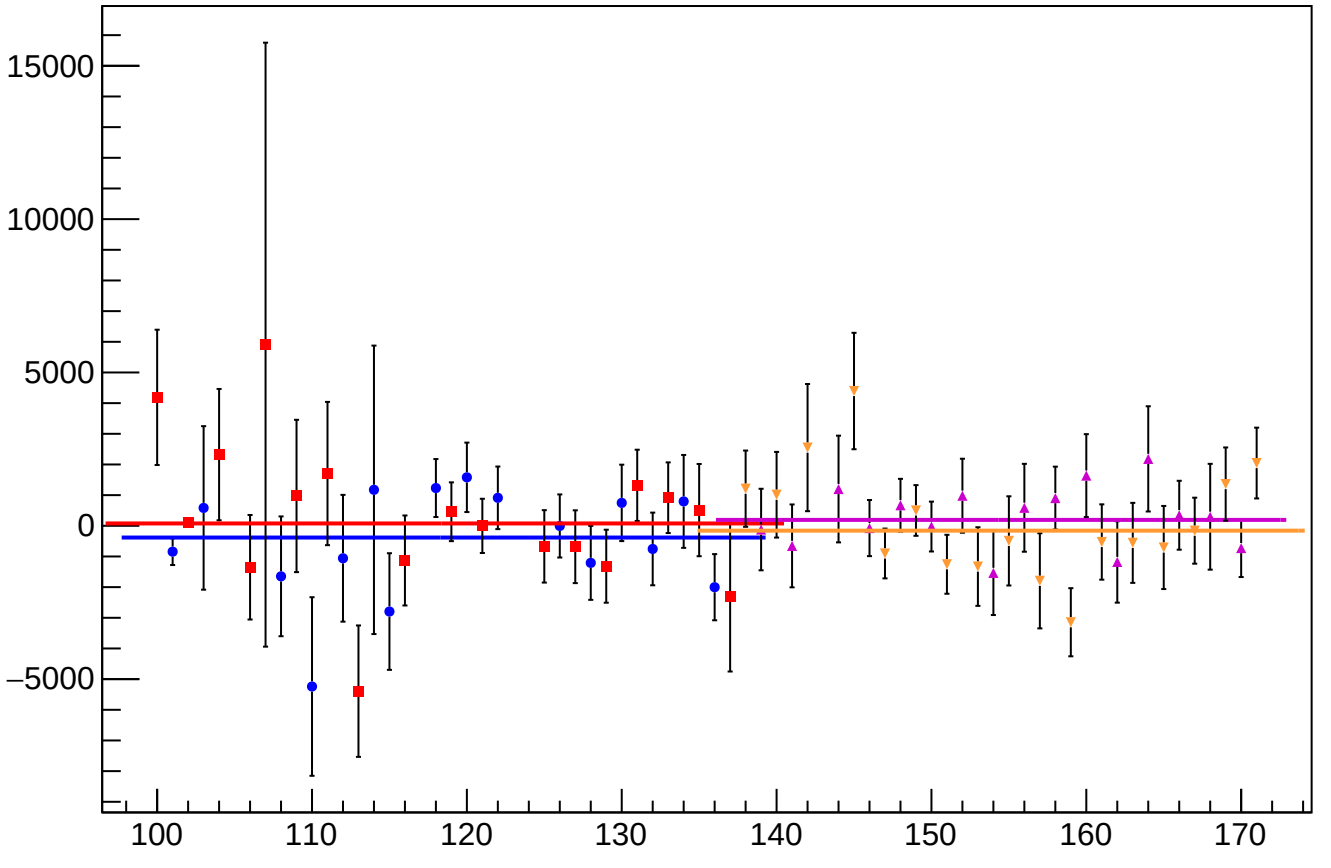
Left: 1475.727+/-0.202 χ^2/NDF: 4560.5/32

Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1496.082+/-0.234 χ^2/NDF:145129.0/31

Out: 1510.405+/-0.235 χ^2/NDF:226004.6/34

All: 1503.222+/-0.166 χ^2/NDF: 372997.6/66



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: 192.486+/-290.385 χ^2/NDF:8.3/15

Left: 14.938+/-204.093 χ^2/NDF: 36.1/32

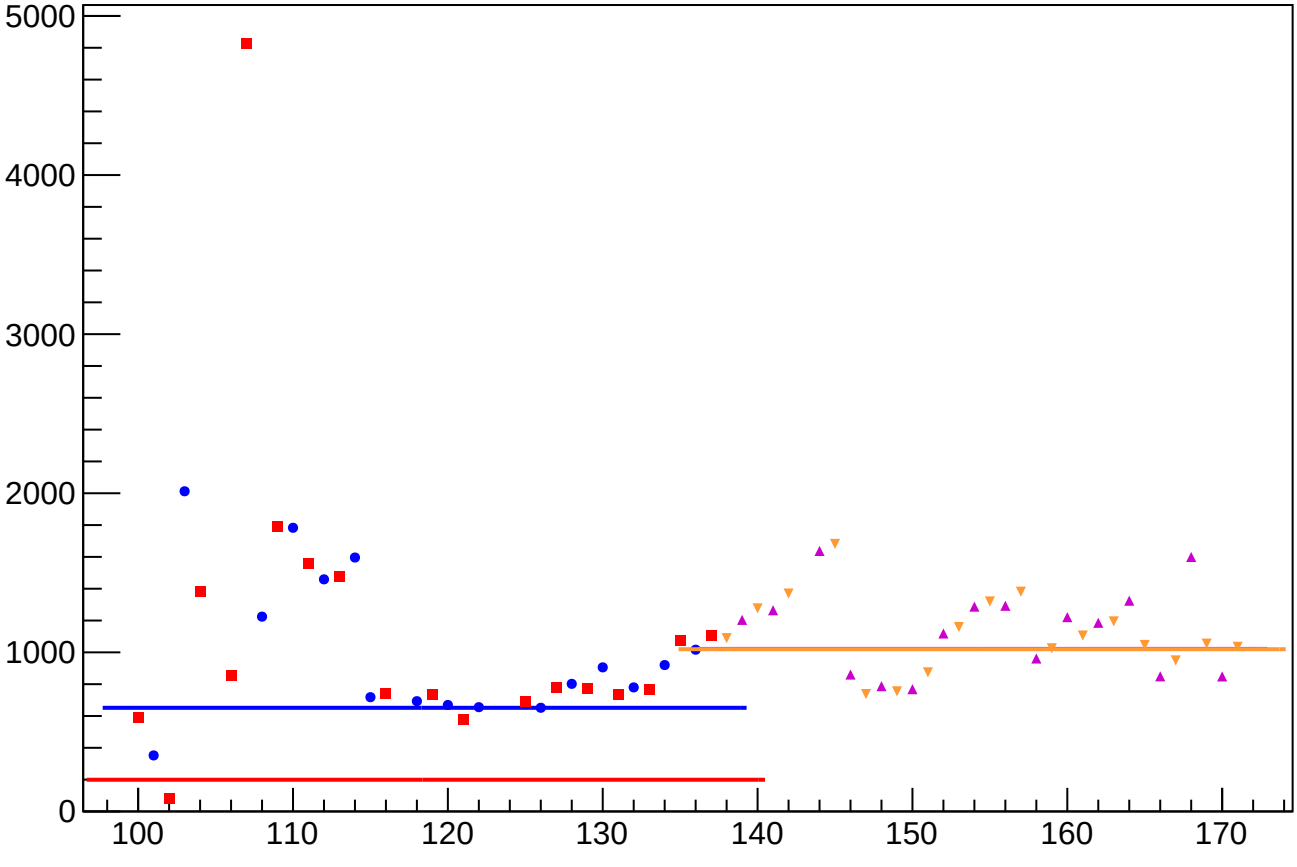
Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -113.703+/-198.596 χ^2/NDF:28.6/31

Out: 32.504+/-124.463 χ^2/NDF:46.0/34

All: -8.727+/-105.463 χ^2/NDF: 75.0/66

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: 1021.629+/-0.205 χ^2/NDF:1397804.2/15

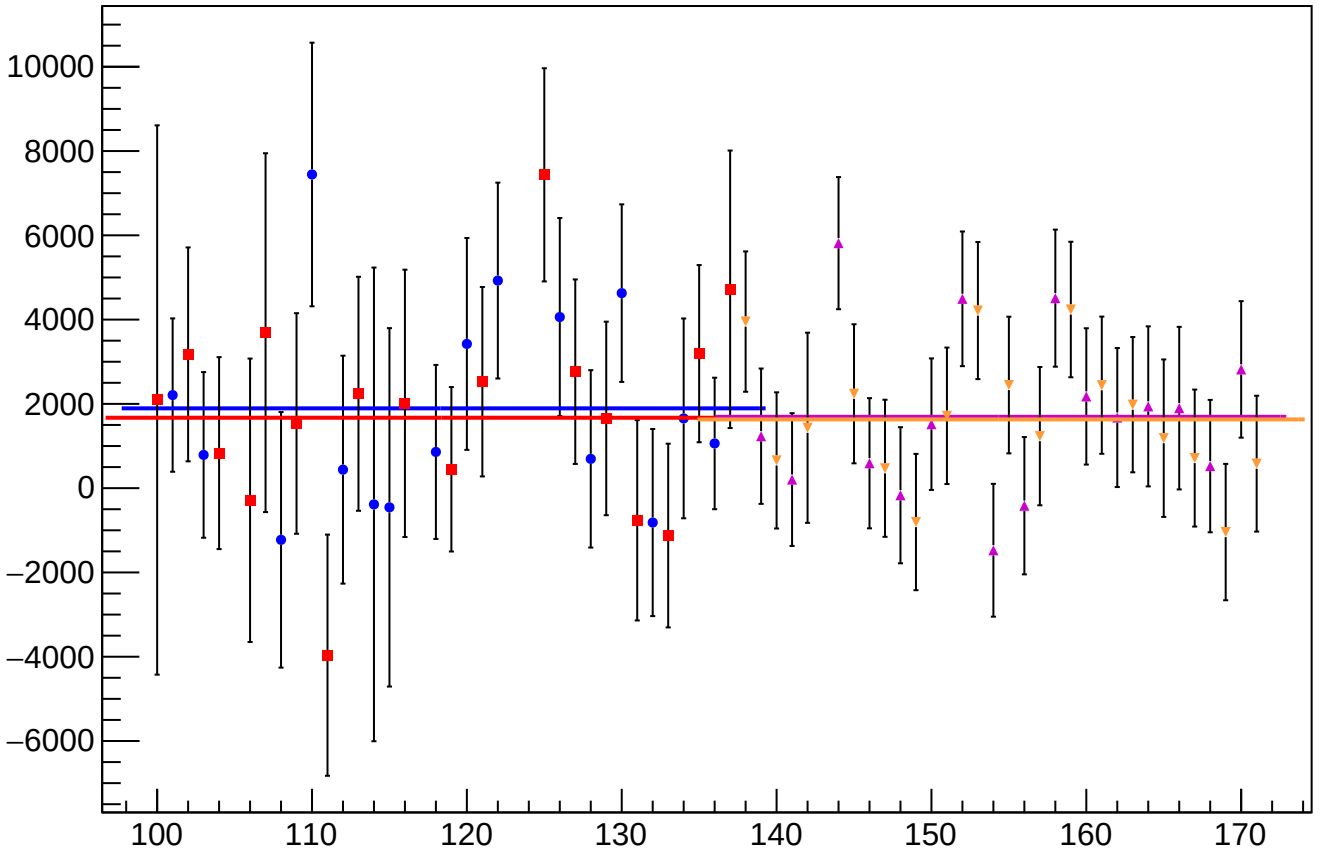
Left: 1020.696+/-0.144 χ^2/NDF: 2538139.3/32

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 824.630+/-0.140 χ^2/NDF:5889797.5/31

Out: 353.739+/-0.088 χ^2/NDF:23701844.5/34

All: 486.533+/-0.075 χ^2/NDF: 37664941.7/66



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: 1693.053+/-406.826 χ^2/NDF:22.7/15

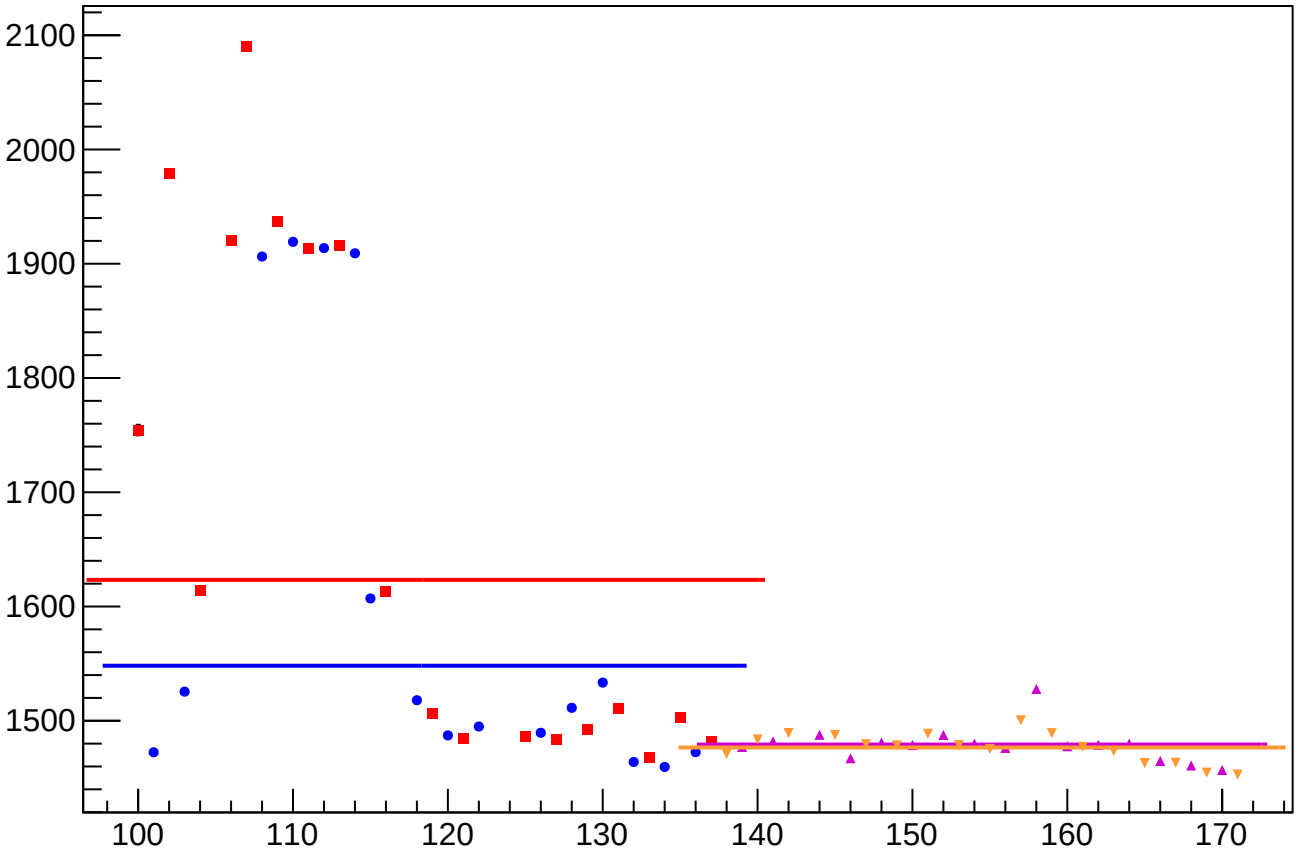
Left: 1662.014+/-286.245 χ^2/NDF: 37.2/32

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1759.738+/-332.611 χ^2/NDF:35.0/31

Out: 1643.674+/-335.273 χ^2/NDF:29.6/34

All: 1702.168+/-236.127 χ^2/NDF: 64.7/66



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: 1479.205+/-0.288 χ^2/NDF:2807.2/15

Left: 1477.898+/-0.202 χ^2/NDF: 4769.6/32

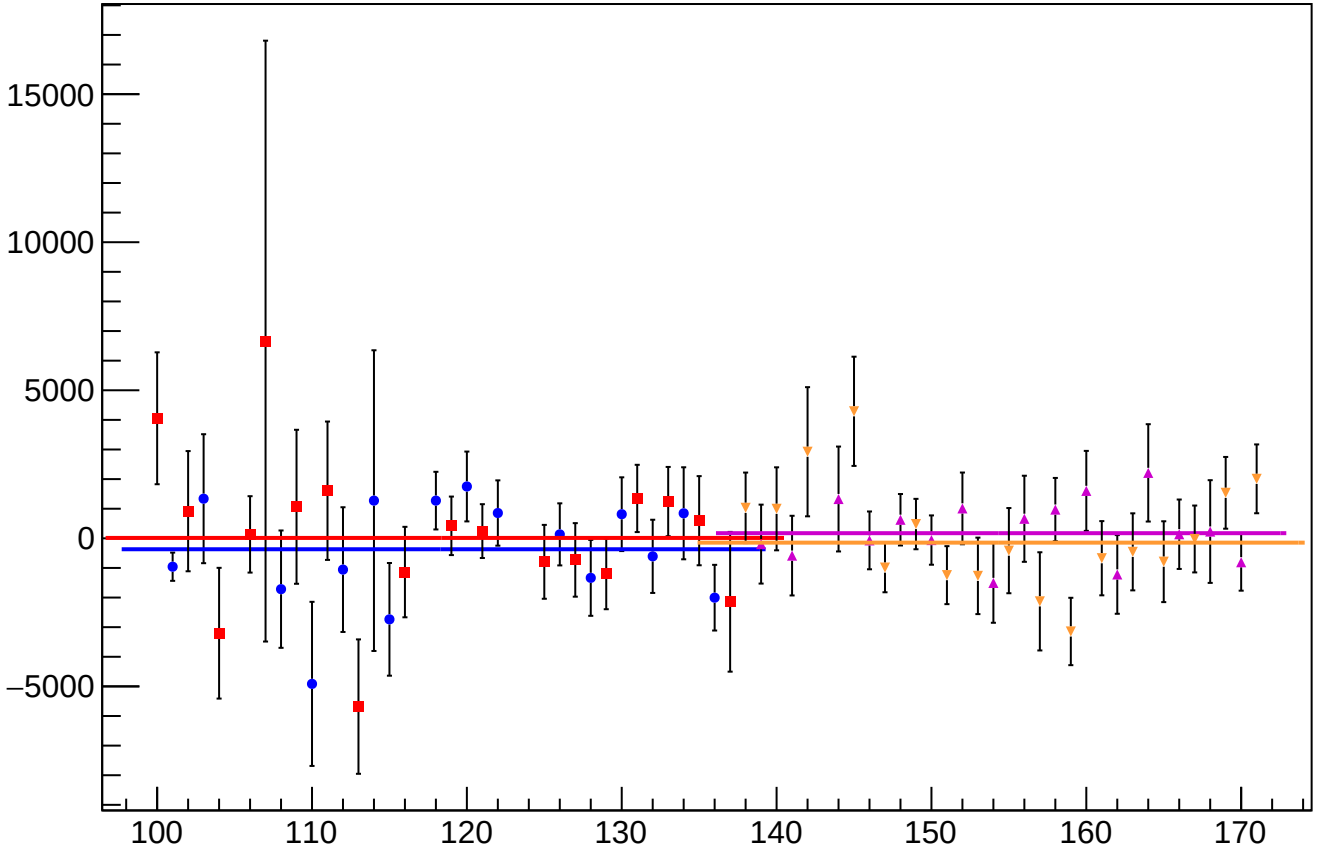
Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1502.073+/-0.235 χ^2/NDF:141771.4/31

Out: 1521.698+/-0.237 χ^2/NDF:294973.4/34

All: 1511.807+/-0.167 χ^2/NDF: 440198.6/66

asym_usl_atl1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -145.599+/-291.446 χ^2/NDF:27.2/16

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 174.077+/-295.382 χ^2/NDF:8.7/15

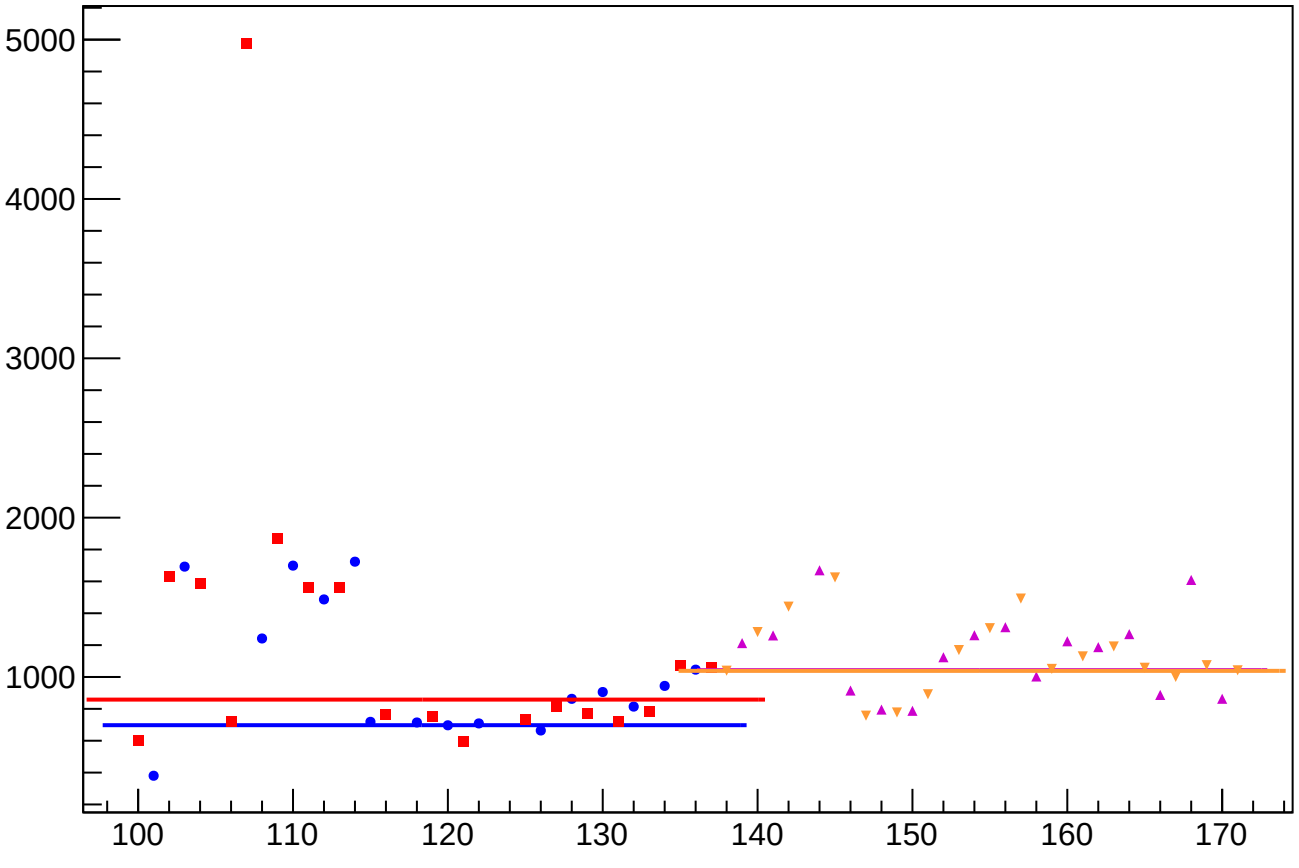
Left: 12.094+/-207.461 χ^2/NDF: 36.6/32

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -105.527+/-205.683 χ^2/NDF:29.4/31

Out: -78.472+/-221.707 χ^2/NDF:46.4/34

All: -93.012+/-150.787 χ^2/NDF: 75.8/66



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: 1042.966+/-0.209 χ^2/NDF:1268845.9/15

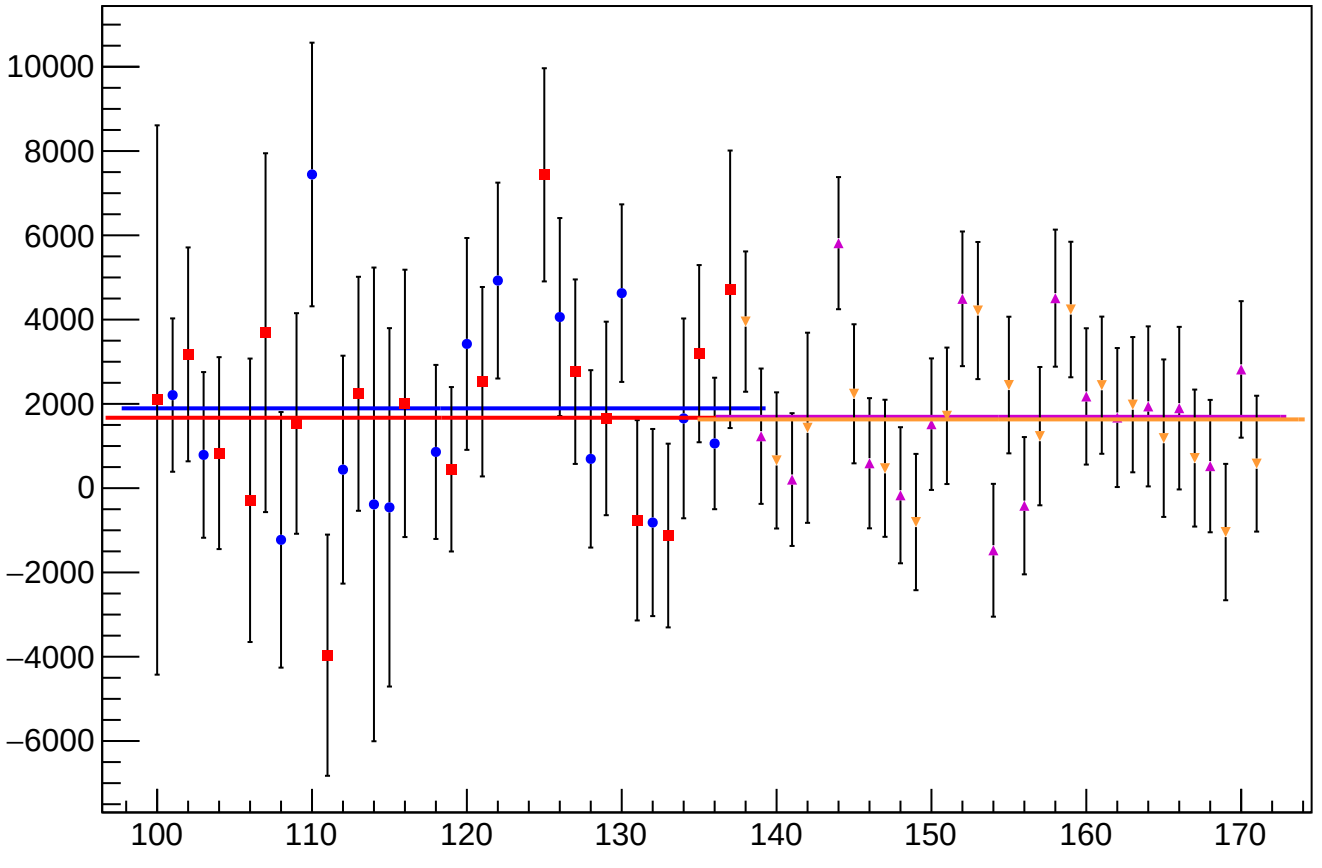
Left: 1040.712+/-0.147 χ^2/NDF: 2343618.4/32

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 865.016+/-0.145 χ^2/NDF:5113559.8/31

Out: 962.504+/-0.157 χ^2/NDF:3279631.7/34

All: 910.110+/-0.107 χ^2/NDF: 8601020.6/66



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: 1693.054+/-406.826 χ^2/NDF:22.7/15

Left: 1662.014+/-286.245 χ^2/NDF: 37.2/32

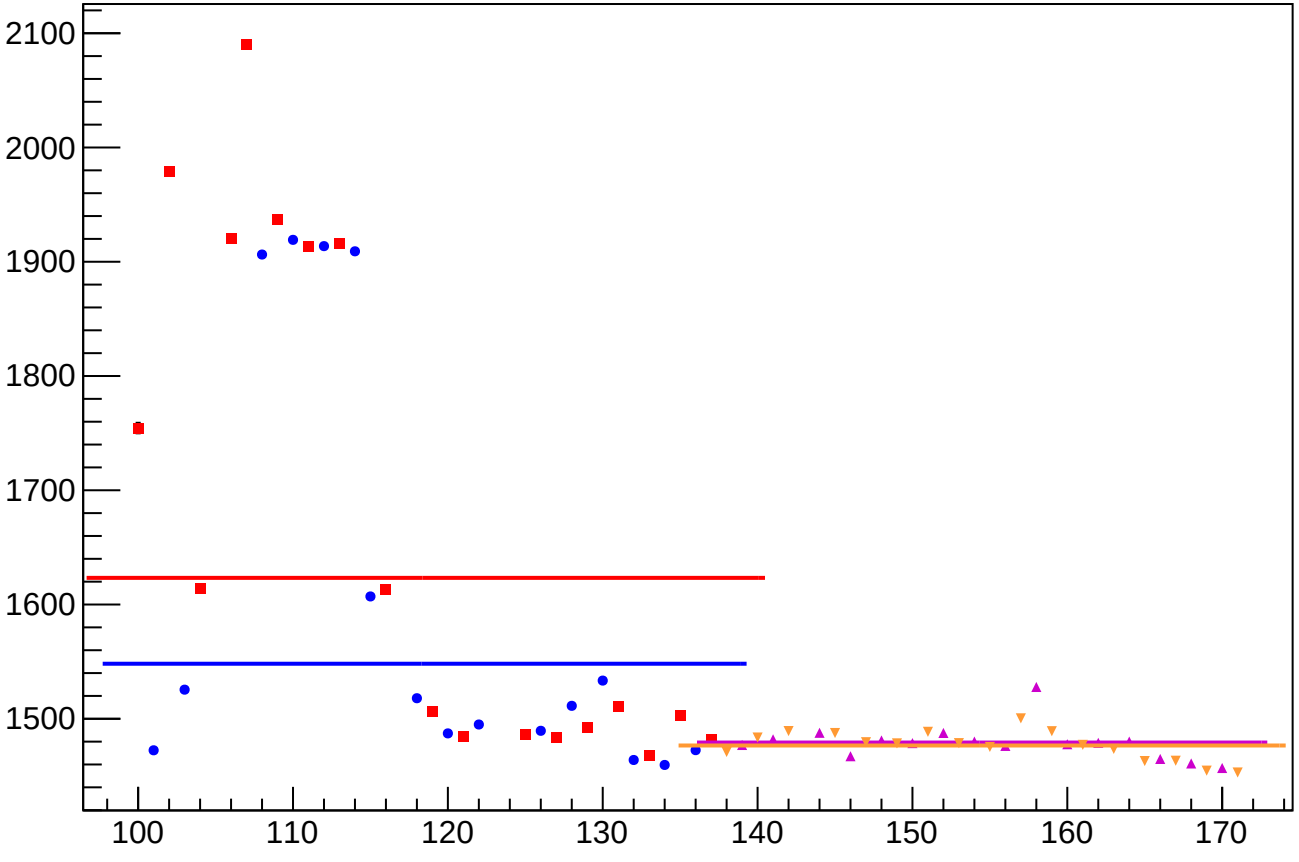
Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1759.738+/-332.611 χ^2/NDF:35.0/31

Out: 1643.672+/-335.273 χ^2/NDF:29.6/34

All: 1702.167+/-236.127 χ^2/NDF: 64.7/66

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: 1479.205+/-0.288 χ^2/NDF:2807.2/15

Left: 1477.898+/-0.202 χ^2/NDF: 4769.6/32

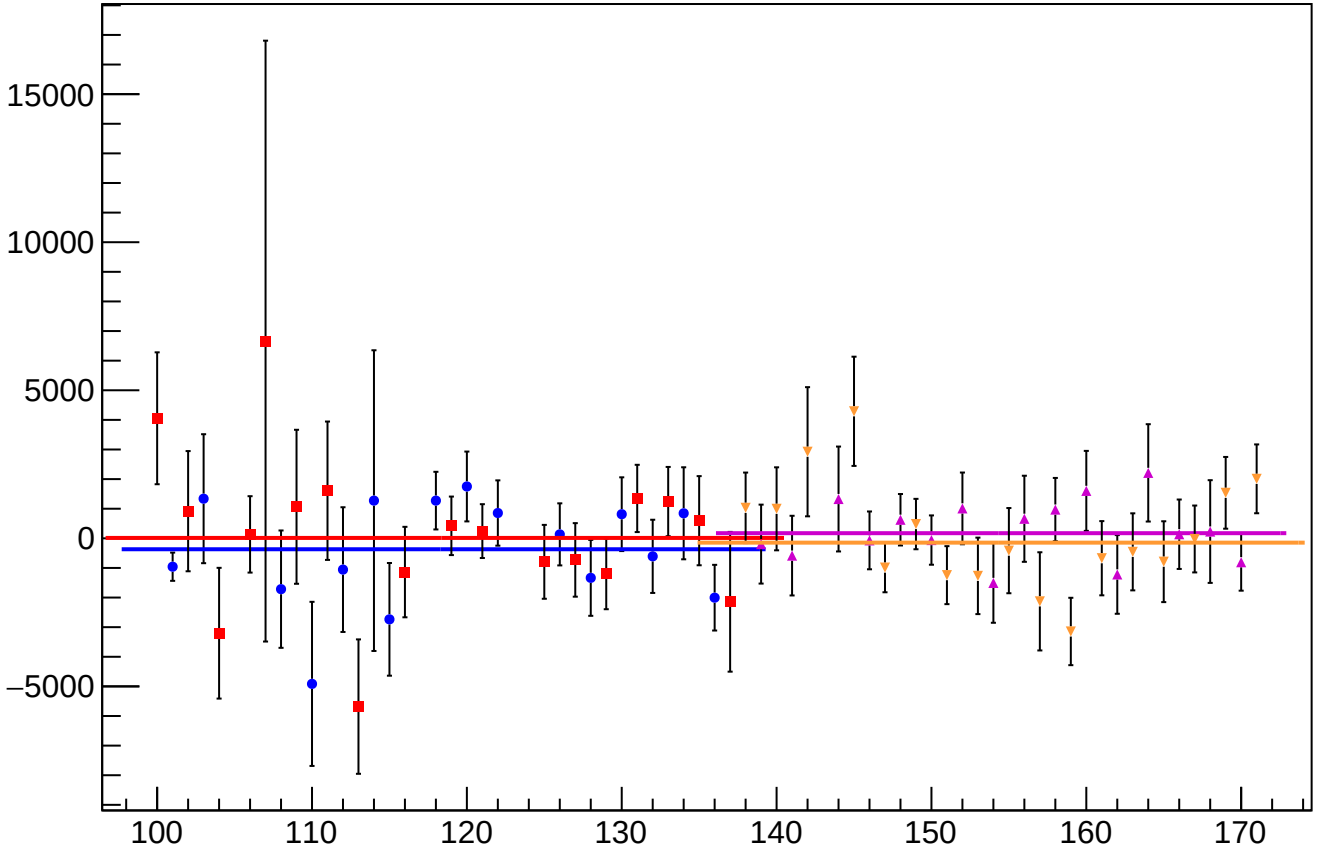
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1502.073+/-0.235 χ^2/NDF:141771.3/31

Out: 1521.698+/-0.237 χ^2/NDF:294973.0/34

All: 1511.807+/-0.167 χ^2/NDF: 440198.0/66

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: 174.077+/-295.382 χ^2/NDF:8.7/15

Left: 12.093+/-207.461 χ^2/NDF: 36.6/32

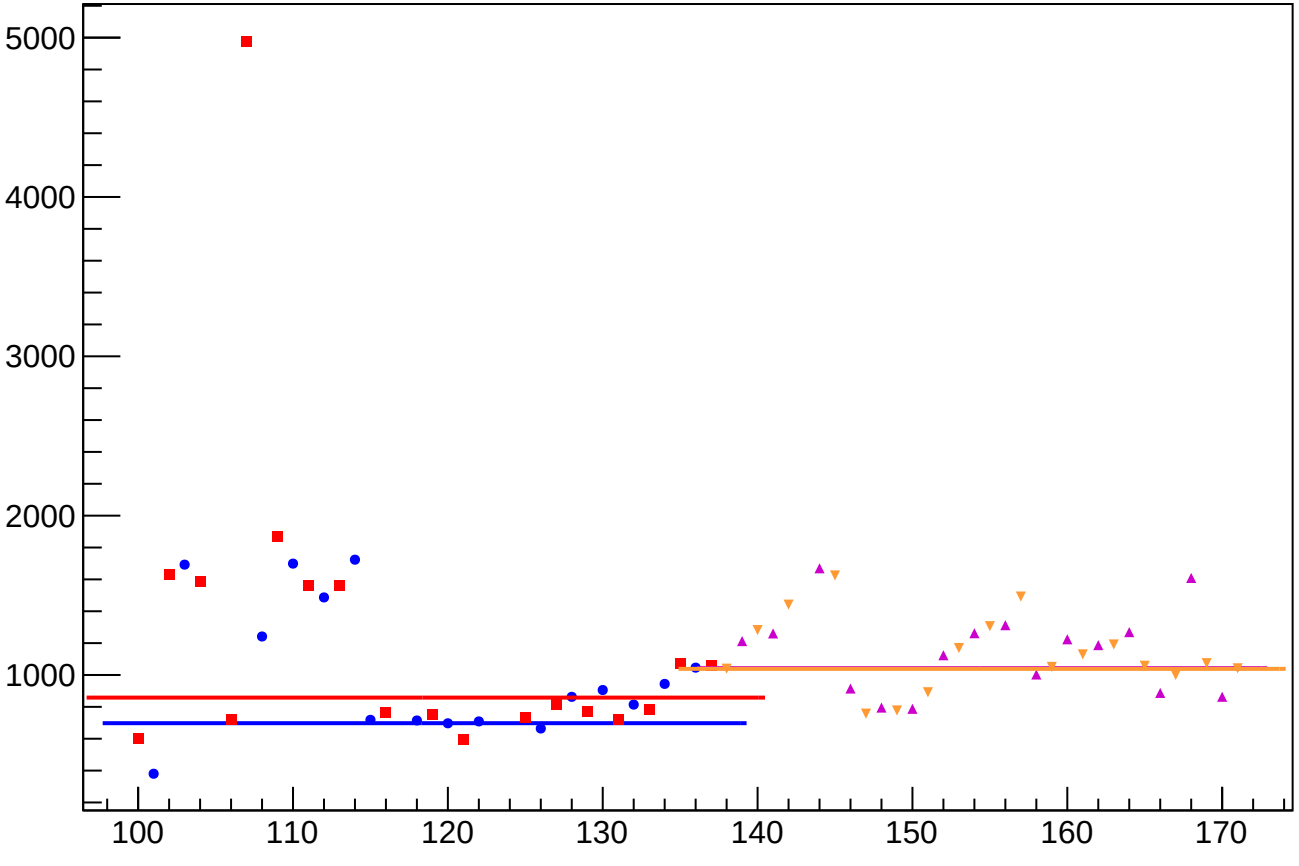
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -105.526+/-205.683 χ^2/NDF:29.4/31

Out: -78.473+/-221.707 χ^2/NDF:46.4/34

All: -93.013+/-150.787 χ^2/NDF: 75.8/66

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: 1042.968+/-0.209 χ^2/NDF:1268842.5/15

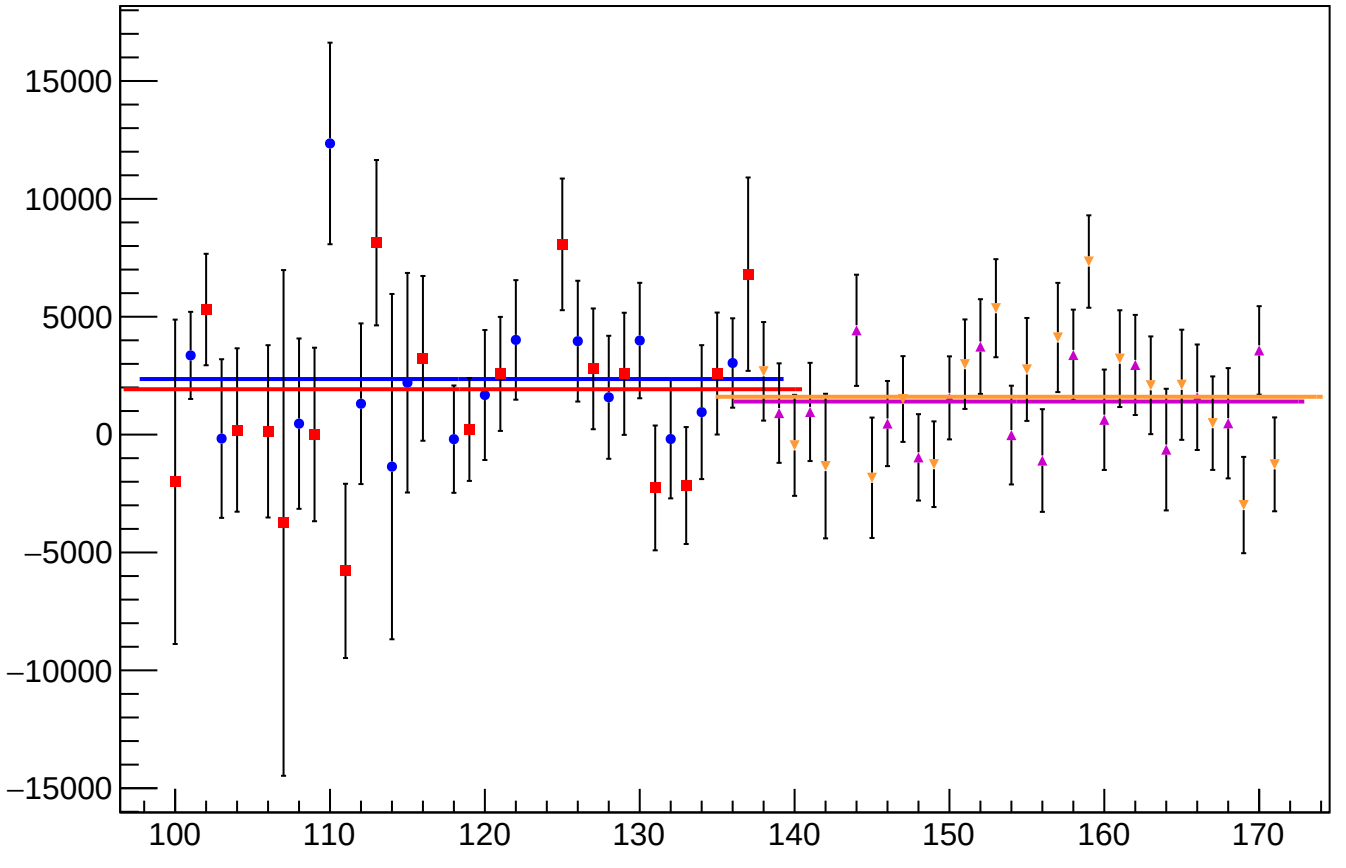
Left: 1040.714+/-0.147 χ^2/NDF: 2343612.7/32

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 865.016+/-0.145 χ^2/NDF:5113560.1/31

Out: 962.504+/-0.157 χ^2/NDF:3279650.9/34

All: 910.110+/-0.107 χ^2/NDF: 8601037.7/66



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: 1402.841+/-514.528 χ^2/NDF:10.7/15

Left: 1505.422+/-361.469 χ^2/NDF: 39.1/32

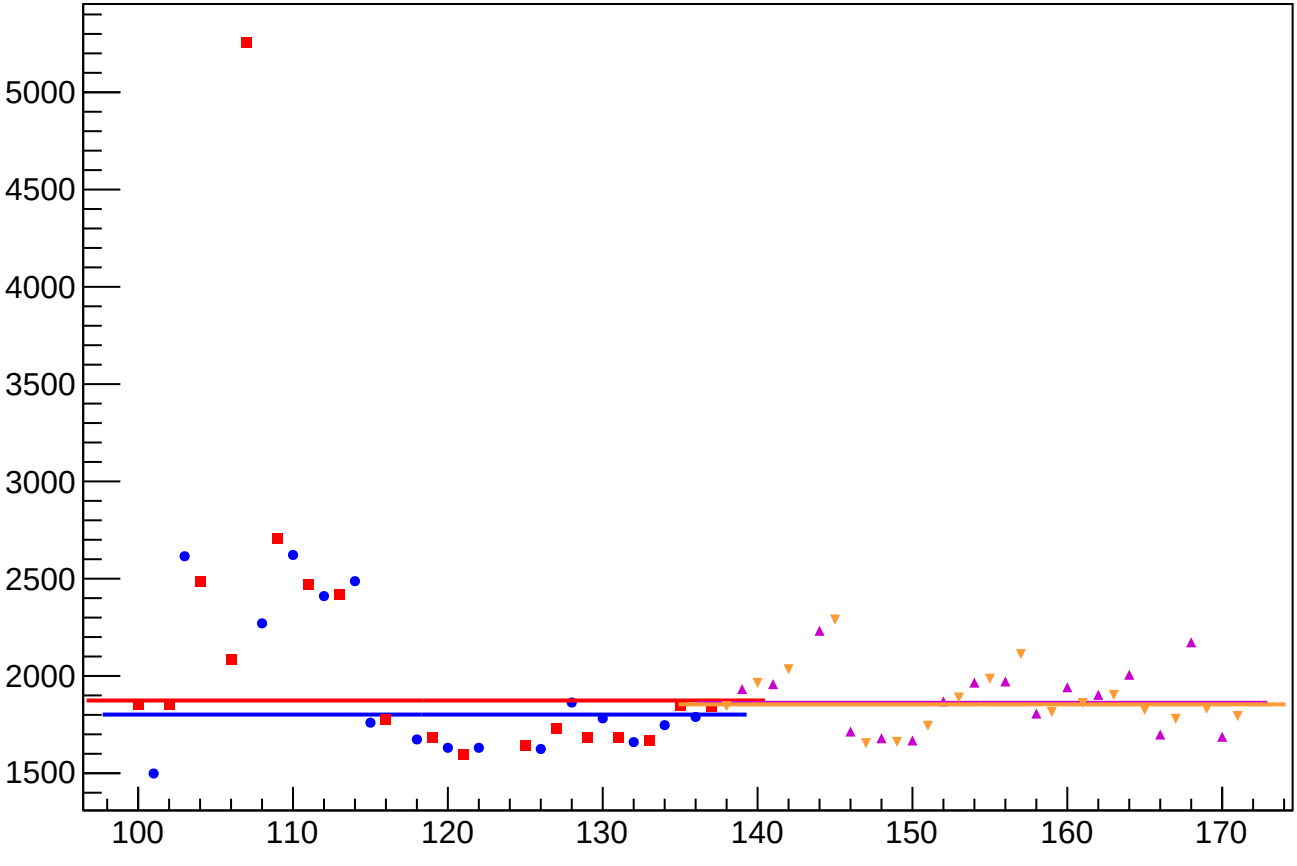
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1750.921+/-410.075 χ^2/NDF:22.9/31

Out: 1714.170+/-412.469 χ^2/NDF:52.0/34

All: 1732.652+/-290.809 χ^2/NDF: 74.9/66

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: 1861.977+/-0.364 χ^2/NDF:197804.5/15

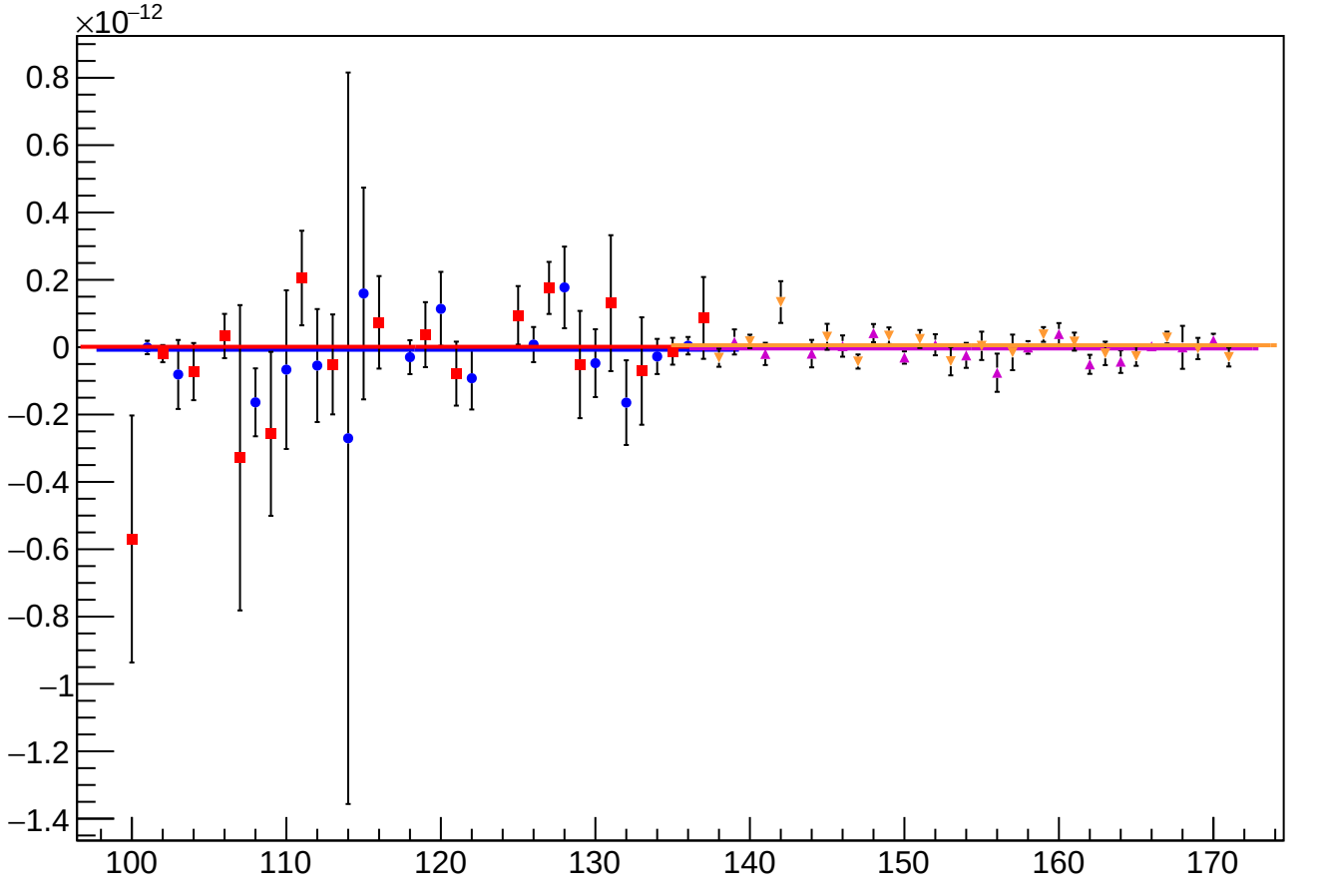
Left: 1857.911+/-0.256 χ^2/NDF: 361789.0/32

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1839.926+/-0.290 χ^2/NDF:608577.4/31

Out: 1860.769+/-0.292 χ^2/NDF:734705.8/34

All: 1850.286+/-0.206 χ^2/NDF: 1345851.6/66



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:15.3/15

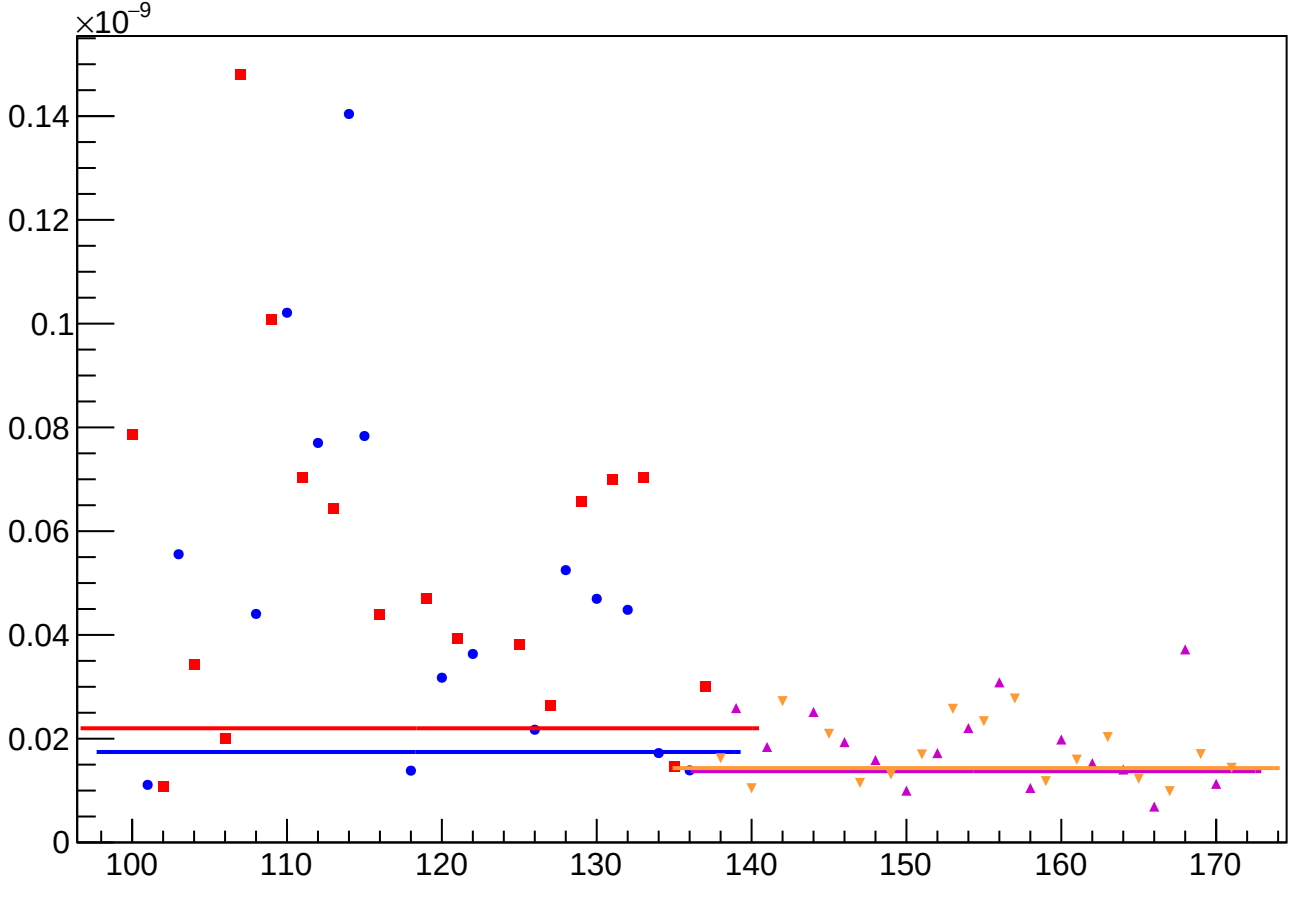
Left: 0.000+/-0.000 χ^2/NDF: 39.2/32

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

In: -0.000+/-0.000 χ^2/NDF:25.6/31

Out: 0.000+/-0.000 χ^2/NDF:39.6/34

All: 0.000+/-0.000 χ^2/NDF: 66.5/66



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:1731801.1/15

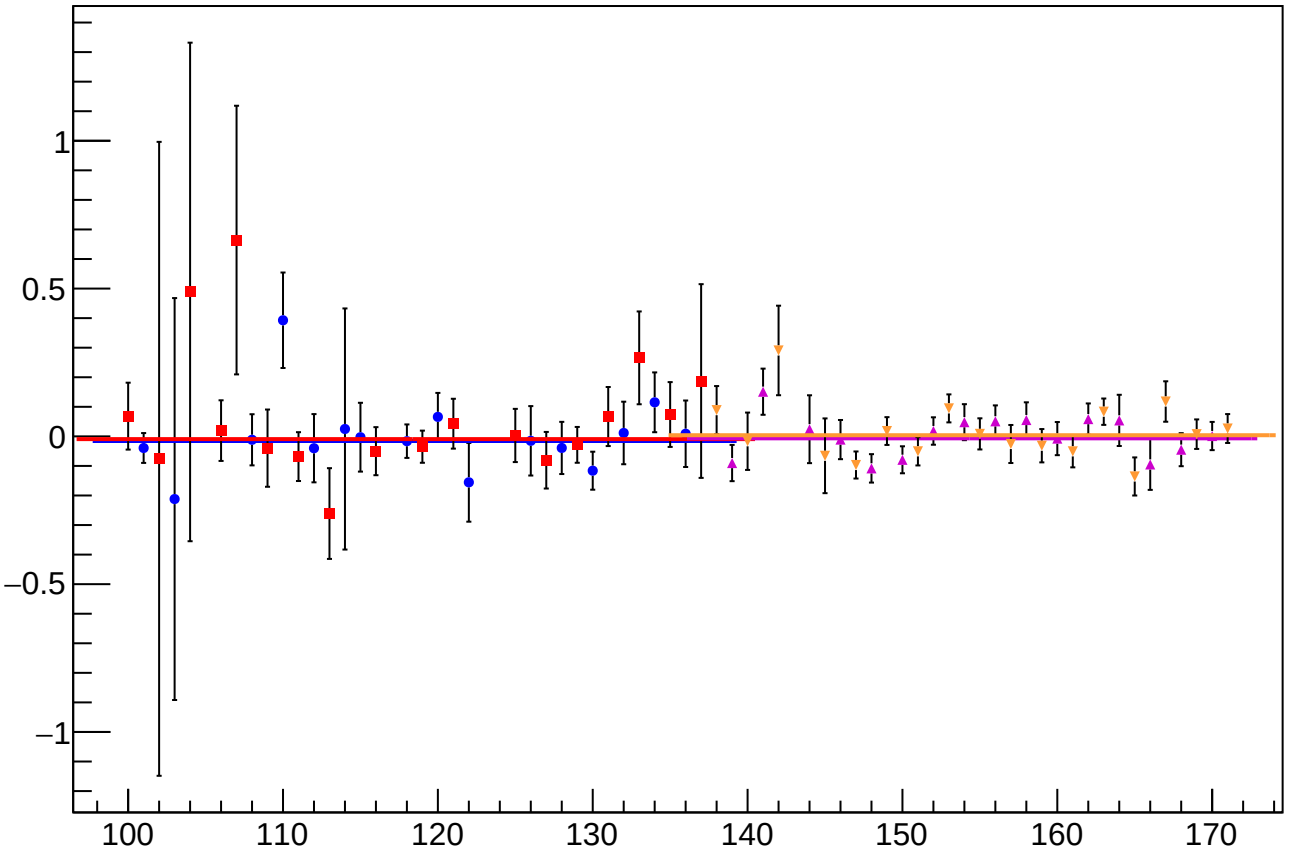
Left: 0.000+/-0.000 χ^2/NDF: 2648261.3/32

Right: 0.000+/-0.000 χ^2/NDF: 4028264.0/33

In: 0.000+/-0.000 χ^2/NDF:3698083.7/31

Out: 0.000+/-0.000 χ^2/NDF:3355829.1/34

All: 0.000+/-0.000 χ^2/NDF: 7073099.1/66



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: -0.007+/-0.015 χ^2/NDF:19.9/15

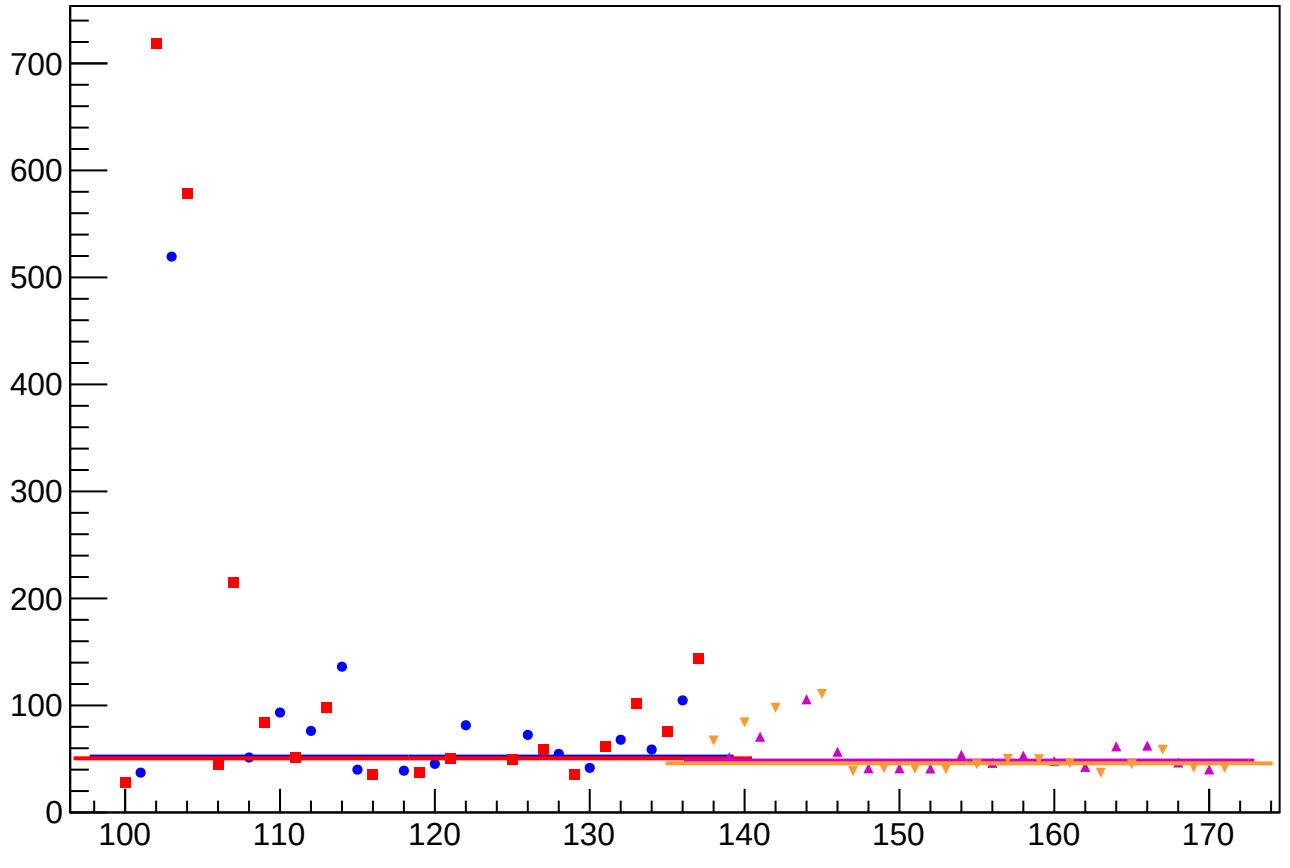
Left: -0.001+/-0.010 χ^2/NDF: 47.6/32

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.009 χ^2/NDF: 73.6/66



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: 48.491+/-0.010 χ^2/NDF:1060157.2/15

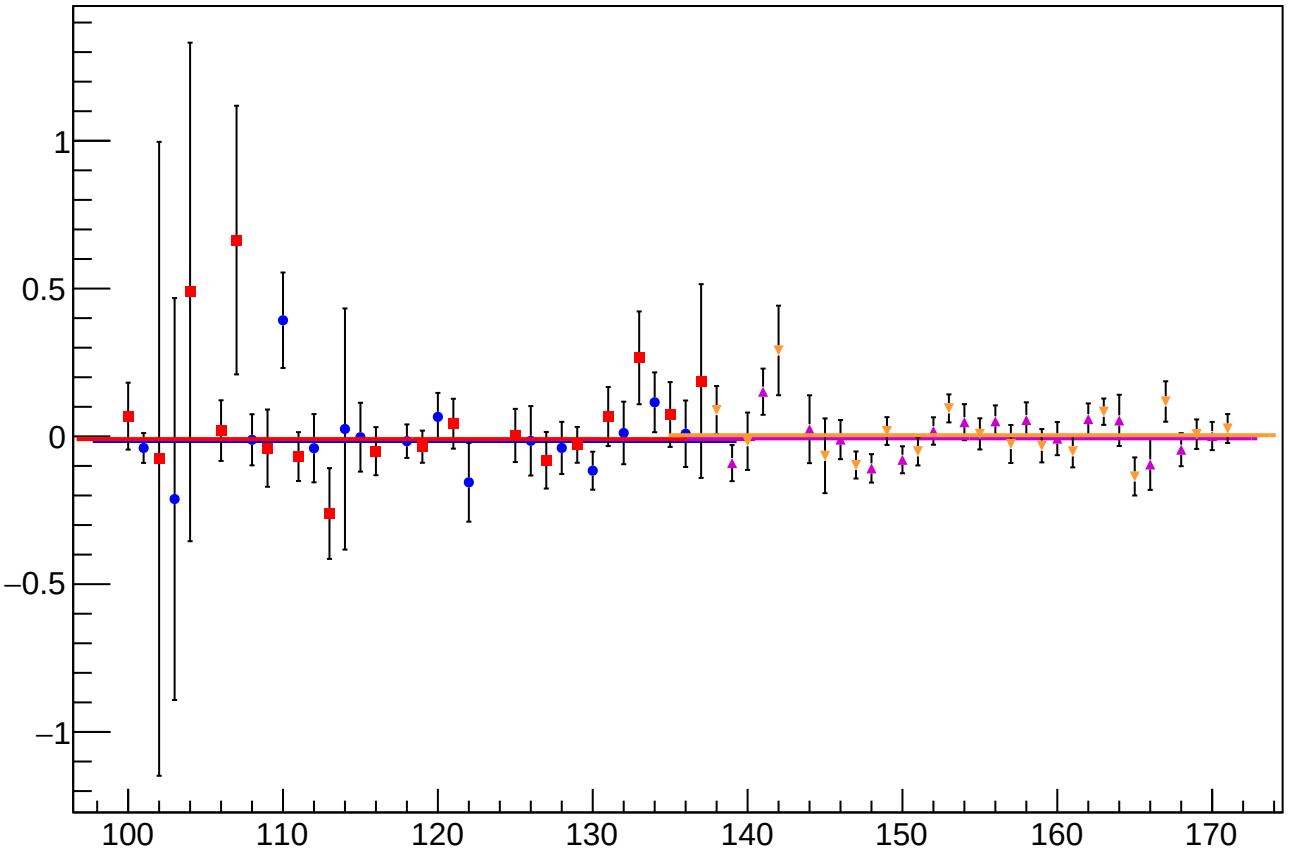
Left: 47.127+/-0.007 χ^2/NDF: 2612212.7/32

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.575+/-0.009 χ^2/NDF:3364831.8/31

Out: 47.096+/-0.008 χ^2/NDF:4628786.3/34

All: 48.304+/-0.006 χ^2/NDF: 8035576.8/66



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: -0.007+/-0.015 χ^2/NDF:19.9/15

Left: -0.001+/-0.010 χ^2/NDF: 47.6/32

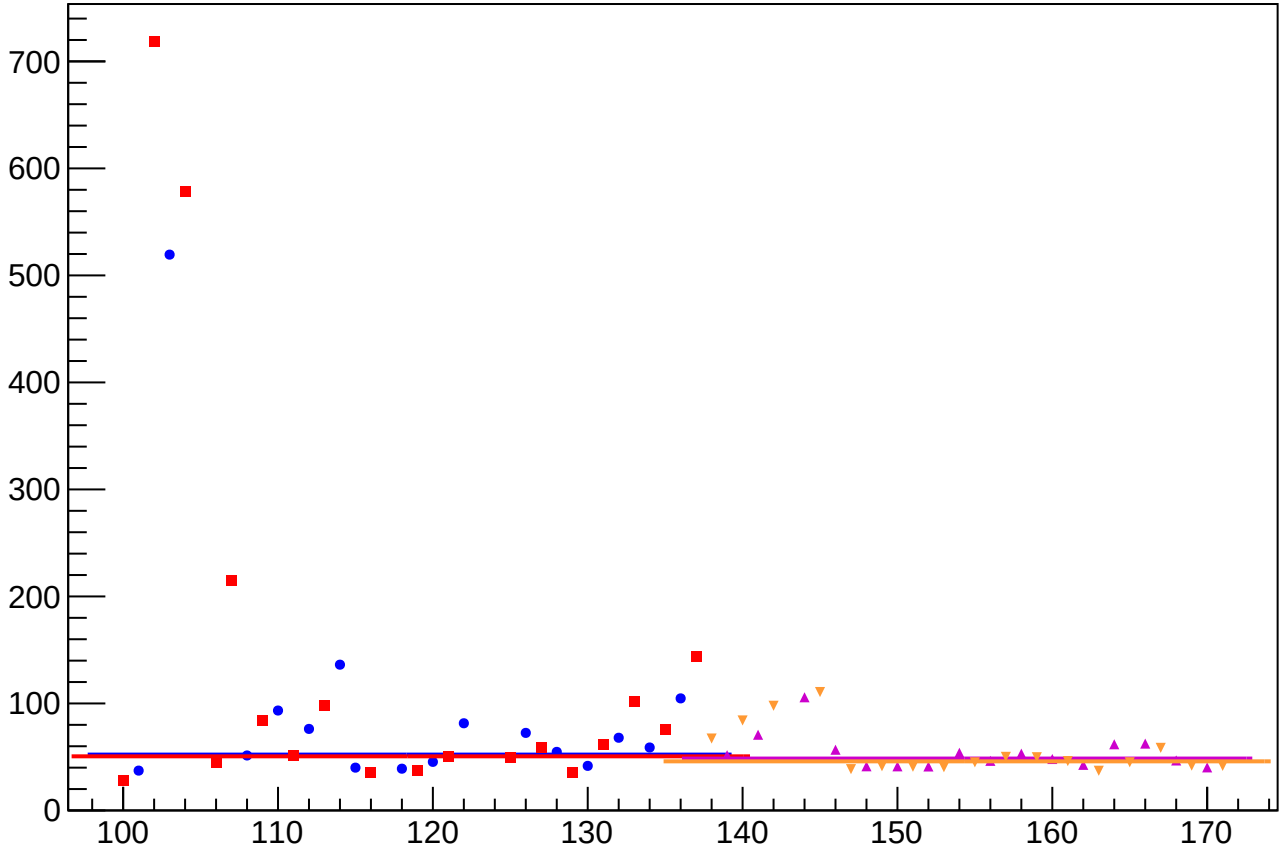
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.009 χ^2/NDF: 73.6/66

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: 48.491+/-0.010 χ^2/NDF:1060157.2/15

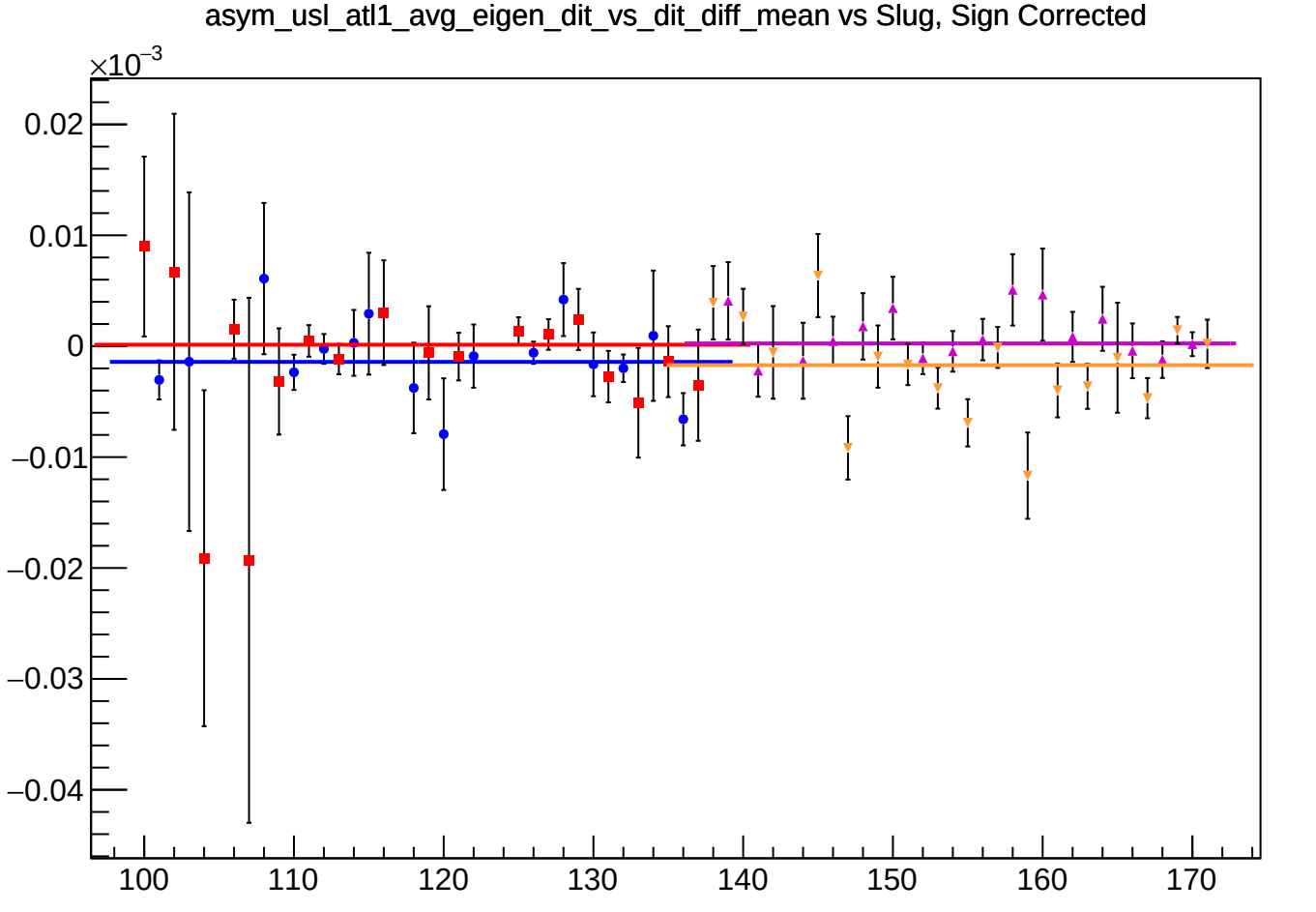
Left: 47.127+/-0.007 χ^2/NDF: 2612212.7/32

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 49.575+/-0.009 χ^2/NDF:3364831.8/31

Out: 47.096+/-0.008 χ^2/NDF:4628786.3/34

All: 48.304+/-0.006 χ^2/NDF: 8035576.8/66



Right In: -0.000+/-0.000 χ^2/NDF: 15.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:10.0/15

Left: -0.000+/-0.000 χ^2/NDF: 61.1/32

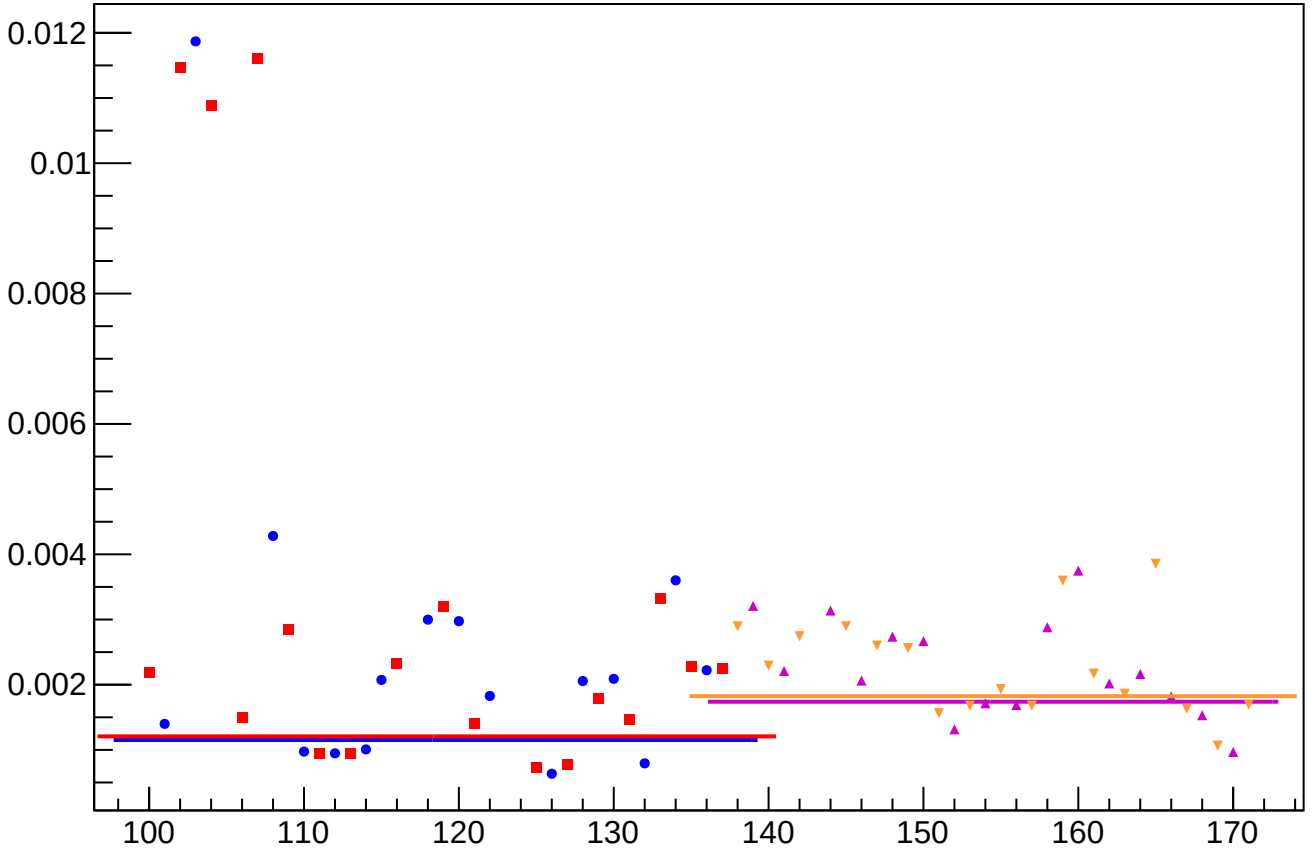
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:30.1/31

Out: -0.000+/-0.000 χ^2/NDF:61.5/34

All: -0.000+/-0.000 χ^2/NDF: 91.8/66

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:3282291.2/15

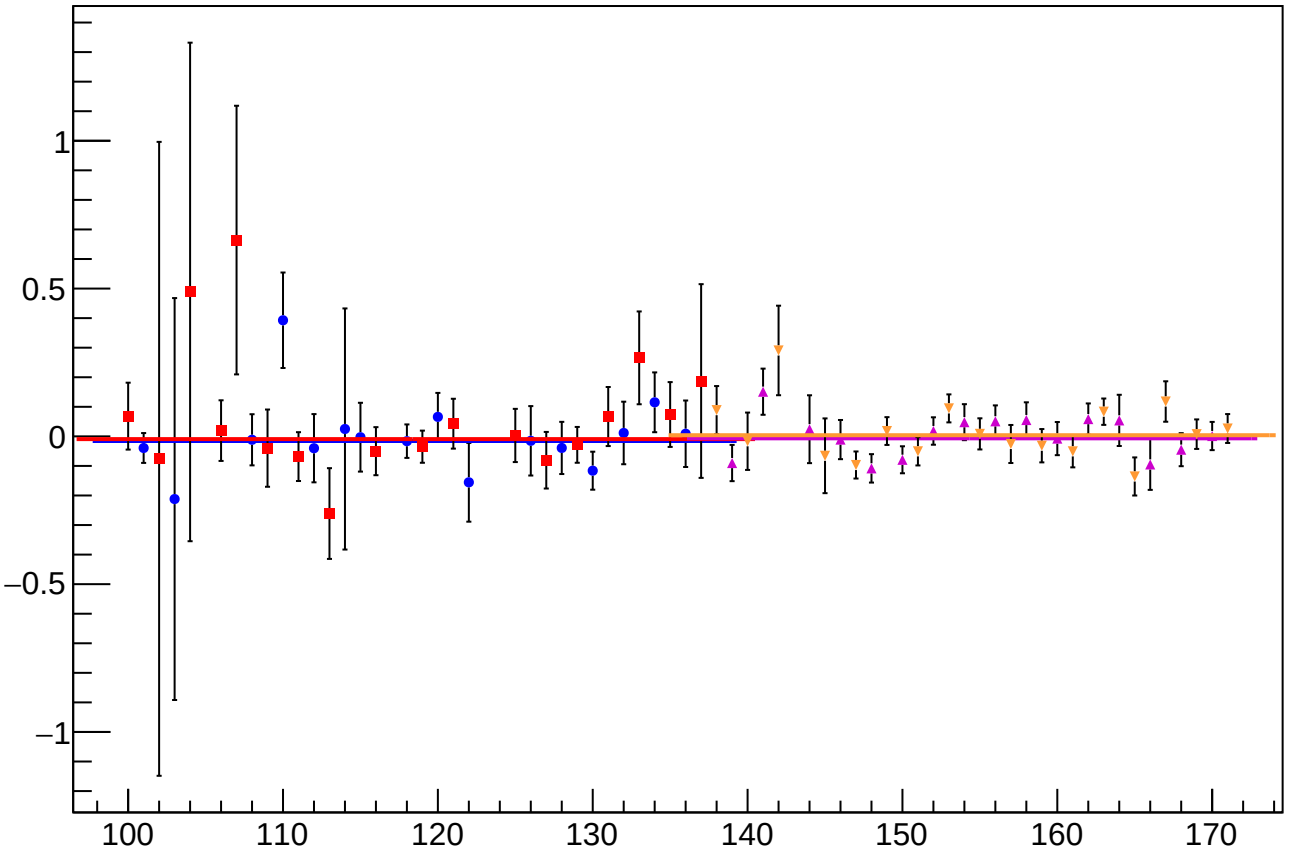
Left: 0.002+/-0.000 χ^2/NDF: 5830942.5/32

Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:8757498.7/31

Out: 0.002+/-0.000 χ^2/NDF:8316550.5/34

All: 0.001+/-0.000 χ^2/NDF: 17121935.0/66



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: -0.007+/-0.015 χ^2/NDF:19.9/15

Left: -0.001+/-0.010 χ^2/NDF: 47.6/32

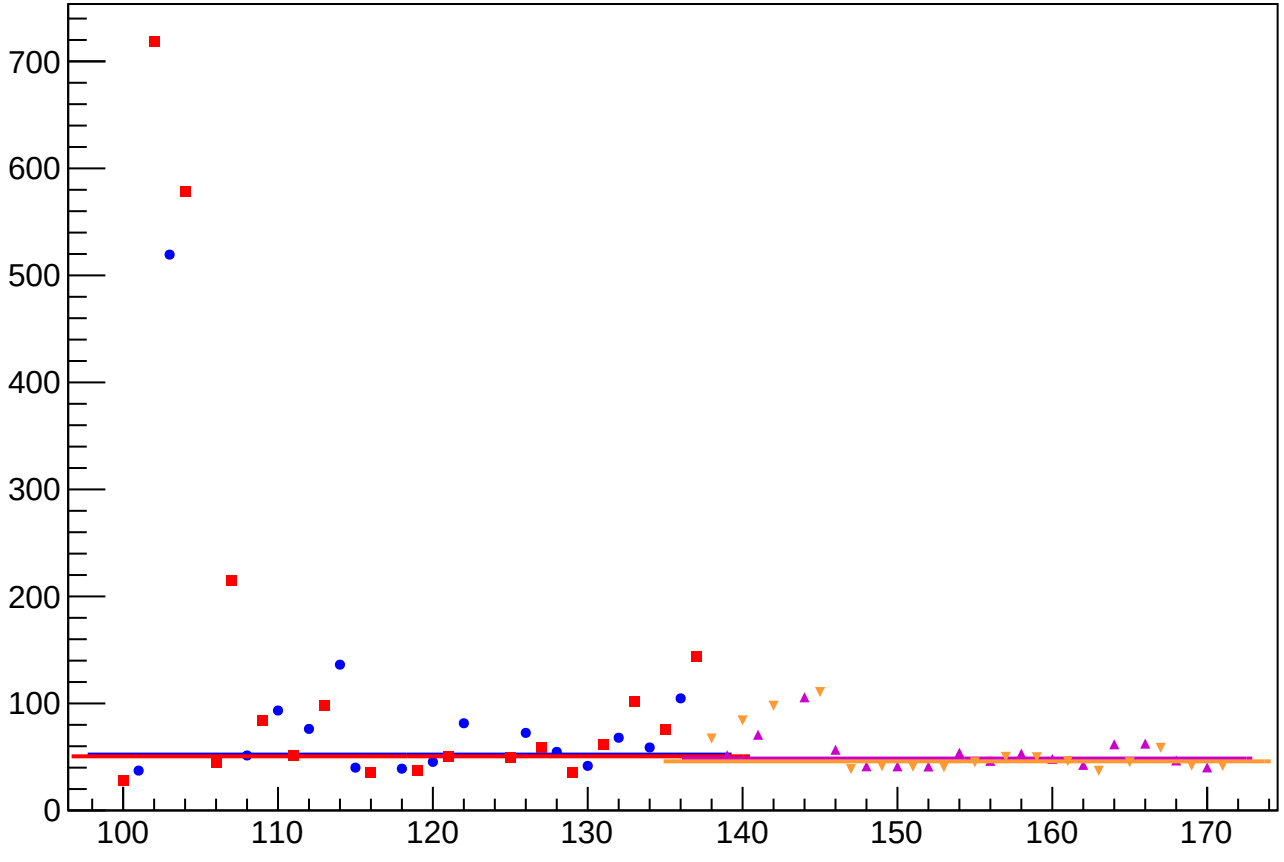
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.009 χ^2/NDF: 73.6/66

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: 48.491+/-0.010 χ^2/NDF:1060165.7/15

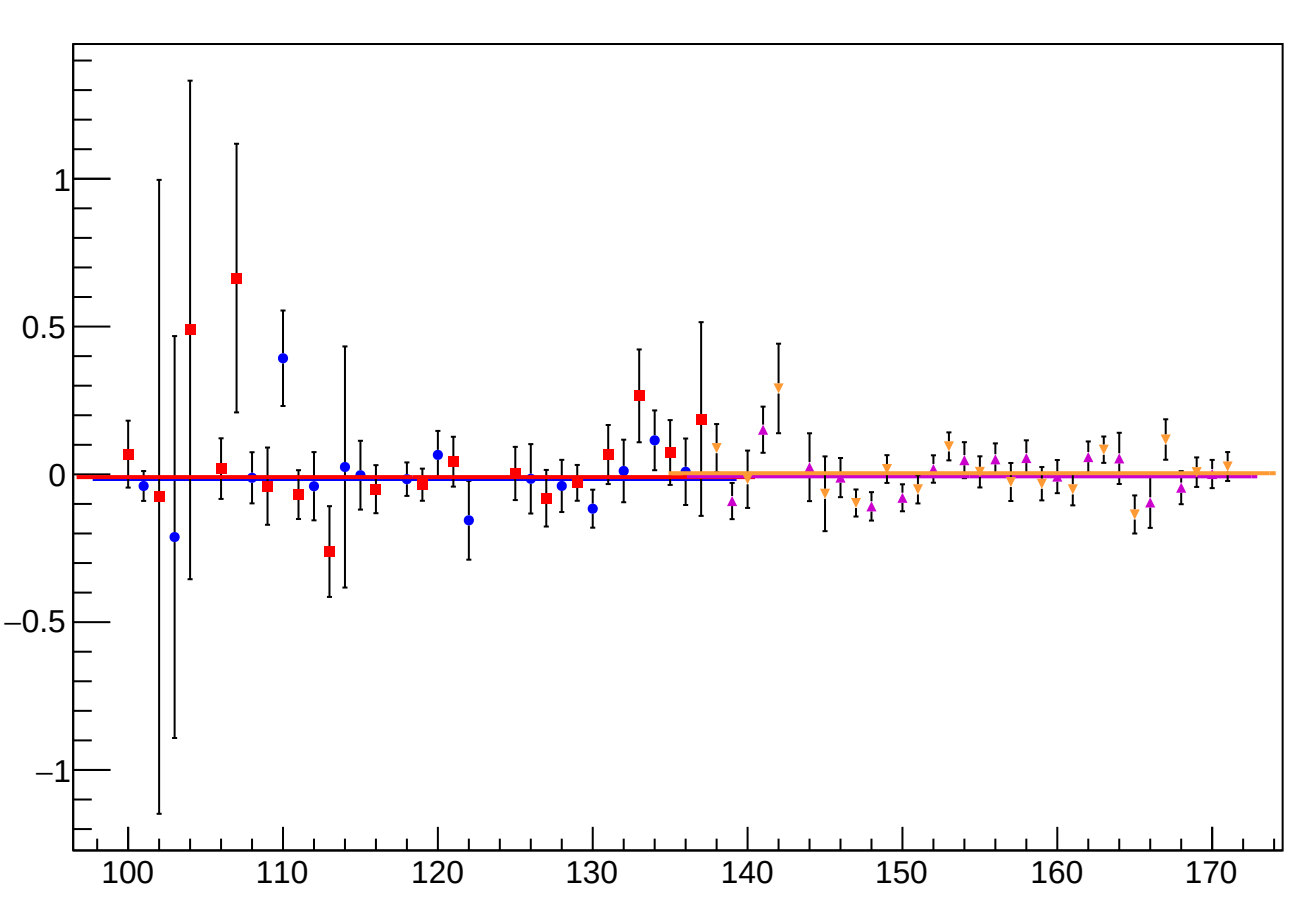
Left: 47.127+/-0.007 χ^2/NDF: 2612197.5/32

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.575+/-0.009 χ^2/NDF:3364831.6/31

Out: 47.096+/-0.008 χ^2/NDF:4628741.8/34

All: 48.304+/-0.006 χ^2/NDF: 8035526.7/66



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: -0.007+/-0.015 χ^2/NDF:19.9/15

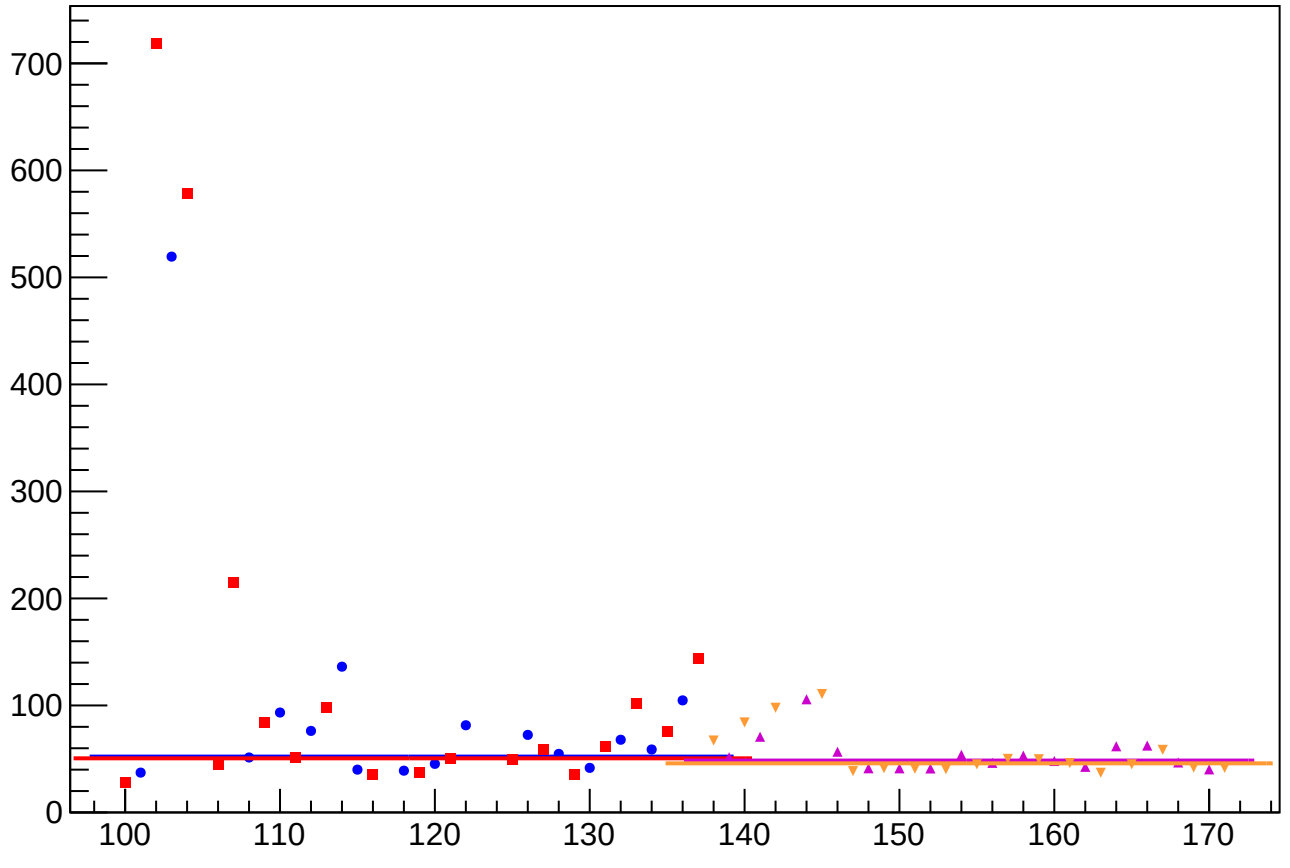
Left: -0.001+/-0.010 χ^2/NDF: 47.6/32

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.009+/-0.012 χ^2/NDF:33.2/31

Out: 0.001+/-0.012 χ^2/NDF:40.1/34

All: -0.004+/-0.009 χ^2/NDF: 73.6/66



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: 48.491+/-0.010 χ^2/NDF:1060165.7/15

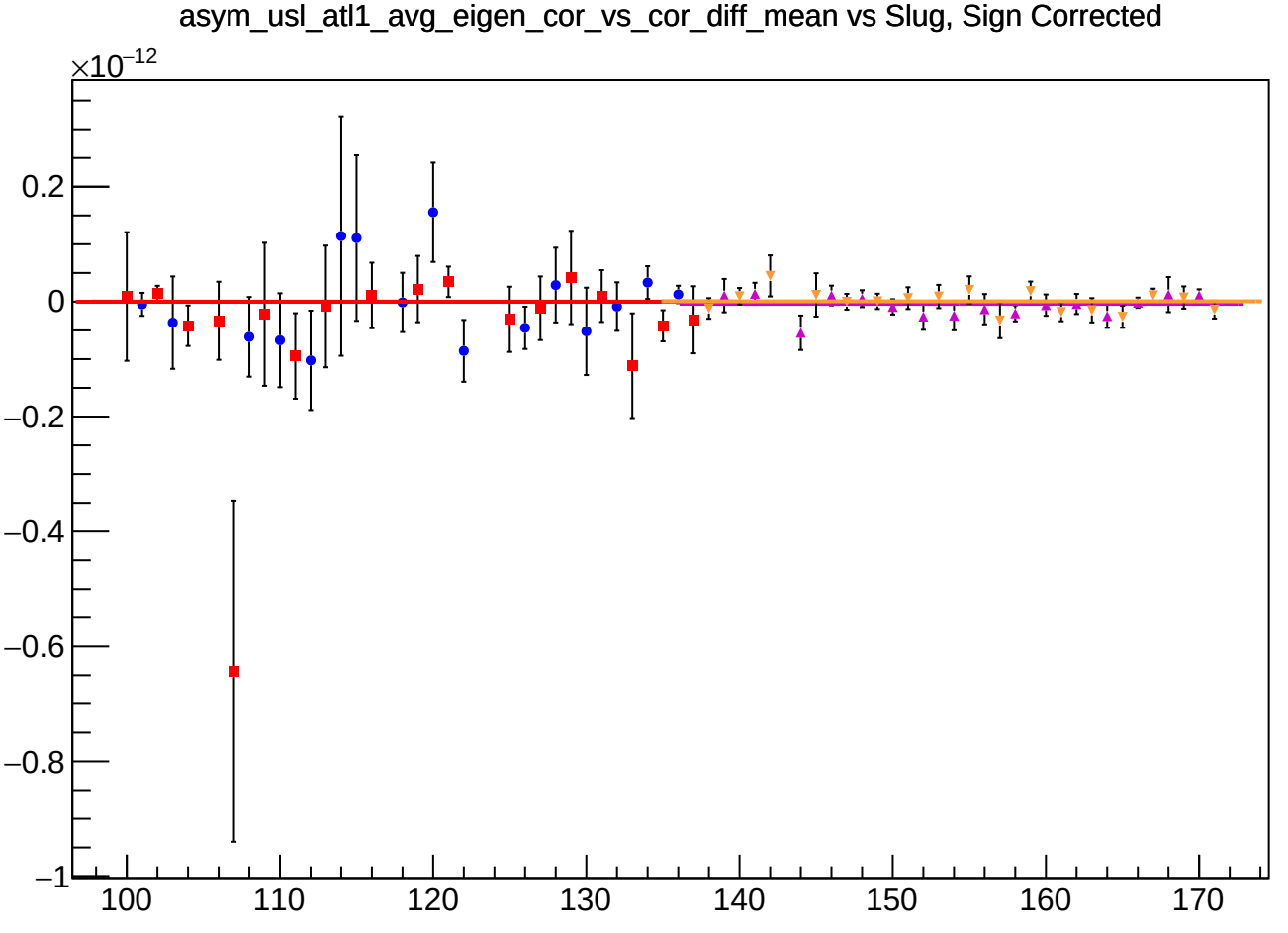
Left: 47.127+/-0.007 χ^2/NDF: 2612197.5/32

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 49.575+/-0.009 χ^2/NDF:3364831.6/31

Out: 47.096+/-0.008 χ^2/NDF:4628741.8/34

All: 48.304+/-0.006 χ^2/NDF: 8035526.7/66



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:11.3/15

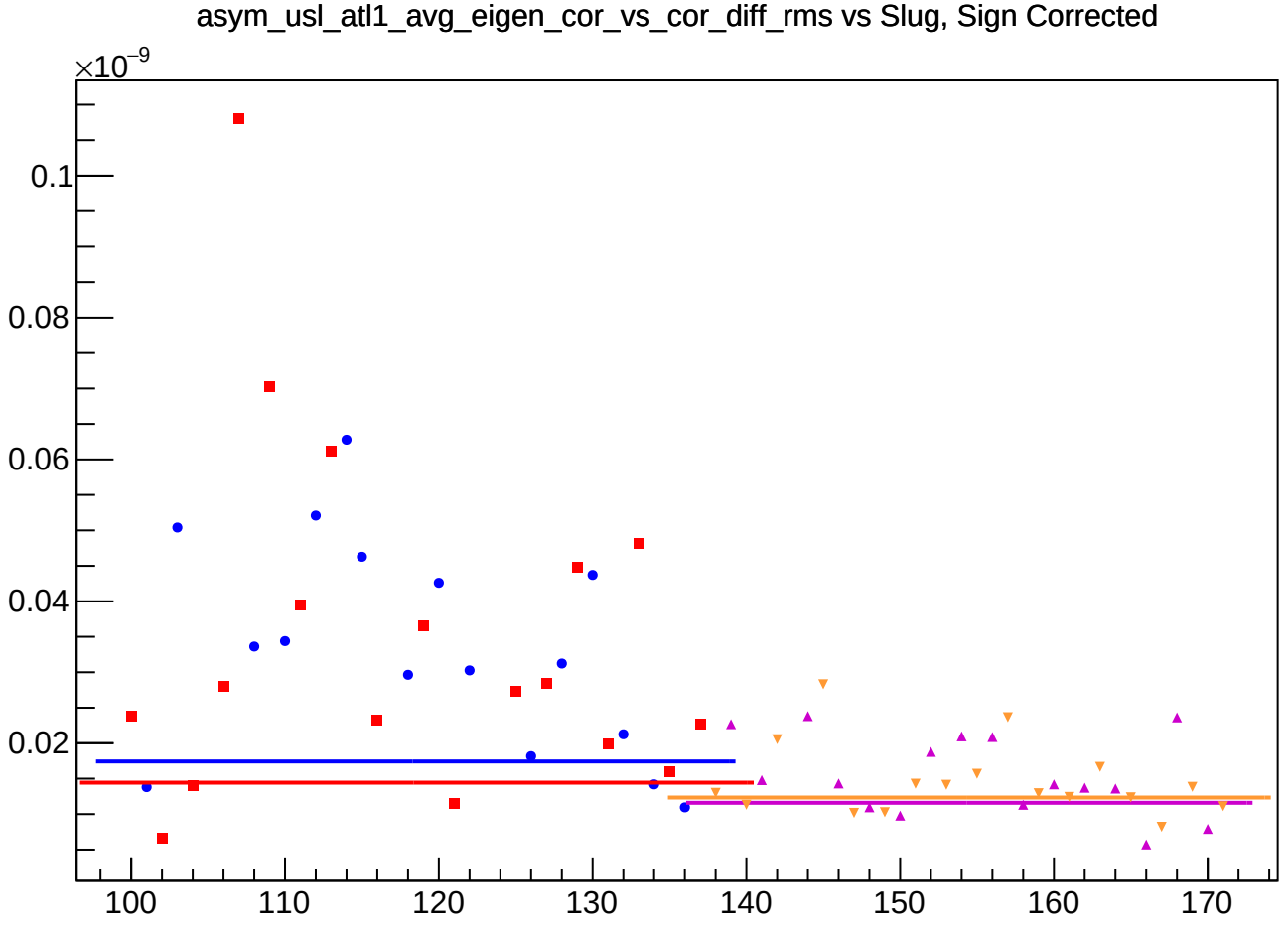
Left: -0.000+/-0.000 χ^2/NDF: 23.3/32

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

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: 0.000+/-0.000 χ^2/NDF:27.5/34

All: -0.000+/-0.000 χ^2/NDF: 53.4/66



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:2957507.5/15

Left: 0.000+/-0.000 χ^2/NDF: 4275538.5/32

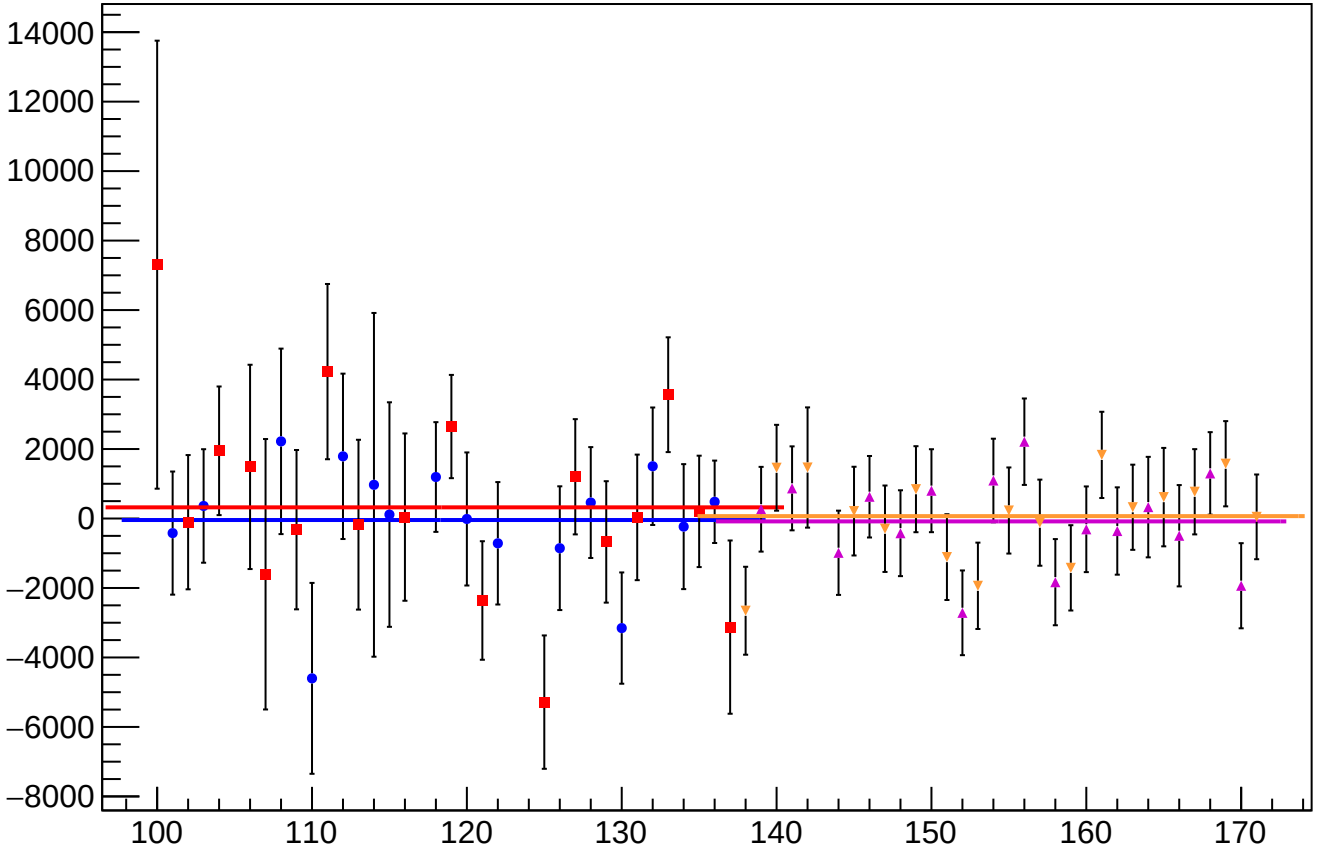
Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5827176.8/31

Out: 0.000+/-0.000 χ^2/NDF:4637357.8/34

All: 0.000+/-0.000 χ^2/NDF: 10467020.5/66

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: -83.315+/-310.177 χ^2/NDF:17.1/15

Left: -6.563+/-218.208 χ^2/NDF: 33.4/32

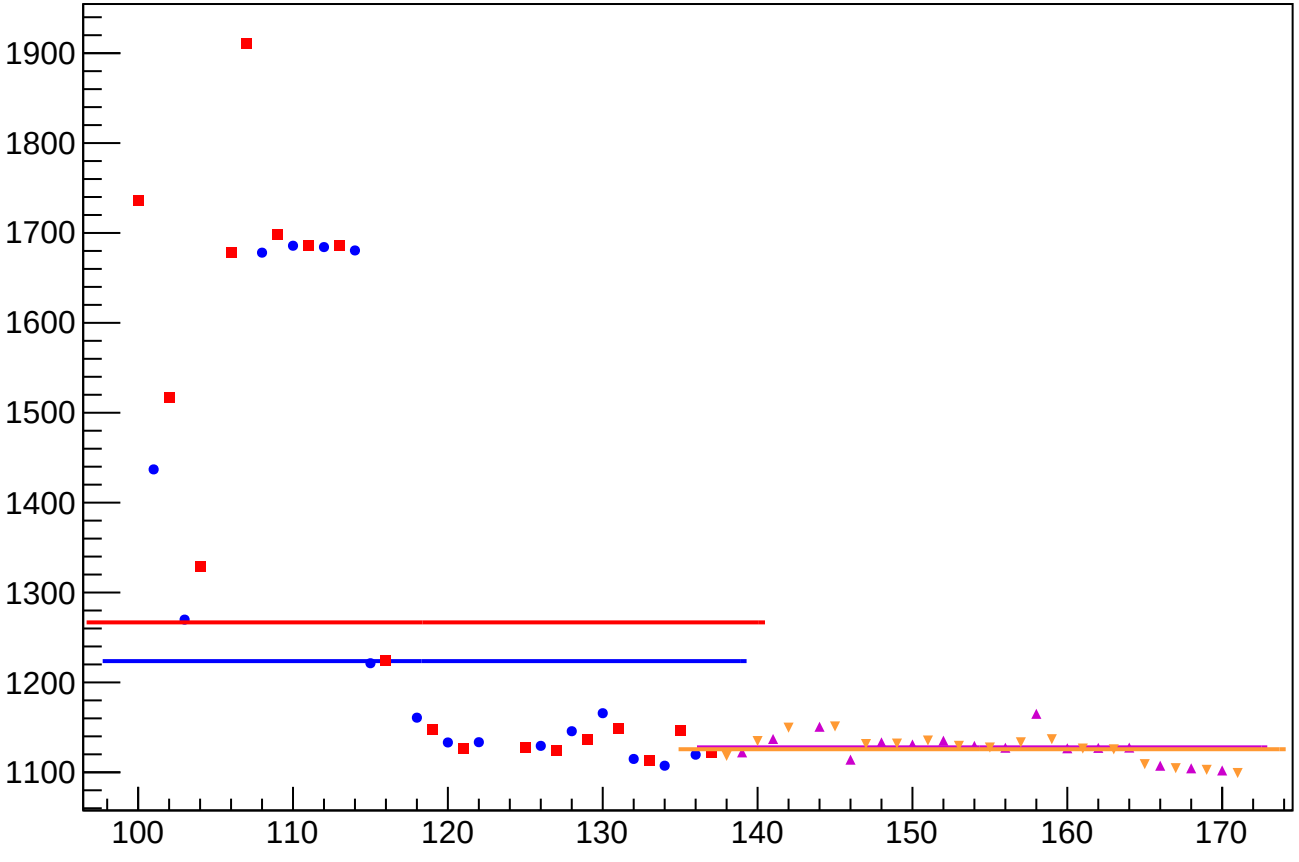
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: -70.898+/-257.037 χ^2/NDF:27.2/31

Out: 143.100+/-257.845 χ^2/NDF:41.1/34

All: 35.765+/-182.038 χ^2/NDF: 68.7/66

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: 1127.762+/-0.219 χ^2/NDF:5136.4/15

Left: 1126.710+/-0.154 χ^2/NDF: 9519.8/32

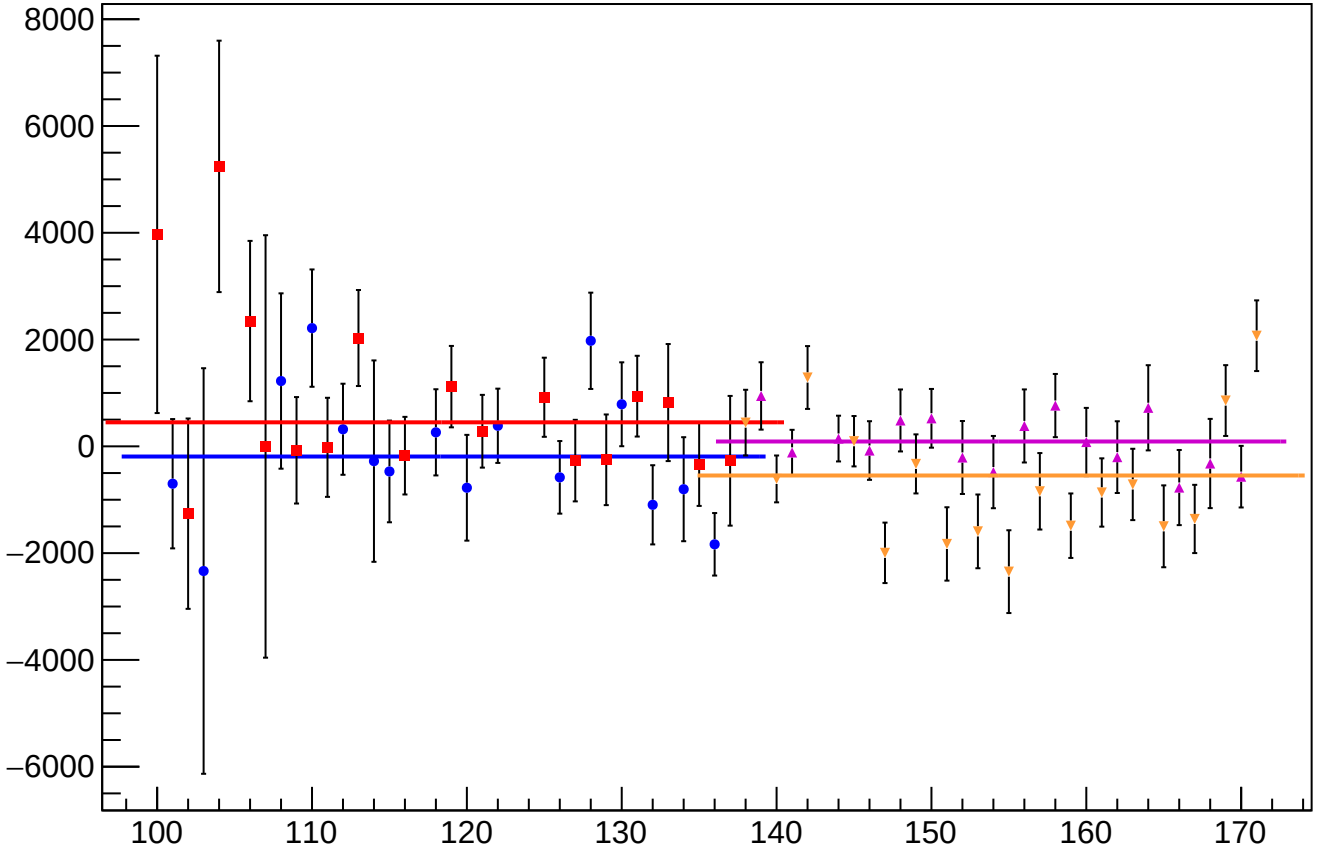
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1157.820+/-0.182 χ^2/NDF:360051.5/31

Out: 1167.267+/-0.182 χ^2/NDF:561681.0/34

All: 1162.529+/-0.129 χ^2/NDF: 923079.0/66

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -545.906+/-148.136 χ^2/NDF:58.3/16

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 90.820+/-148.849 χ^2/NDF:9.5/15

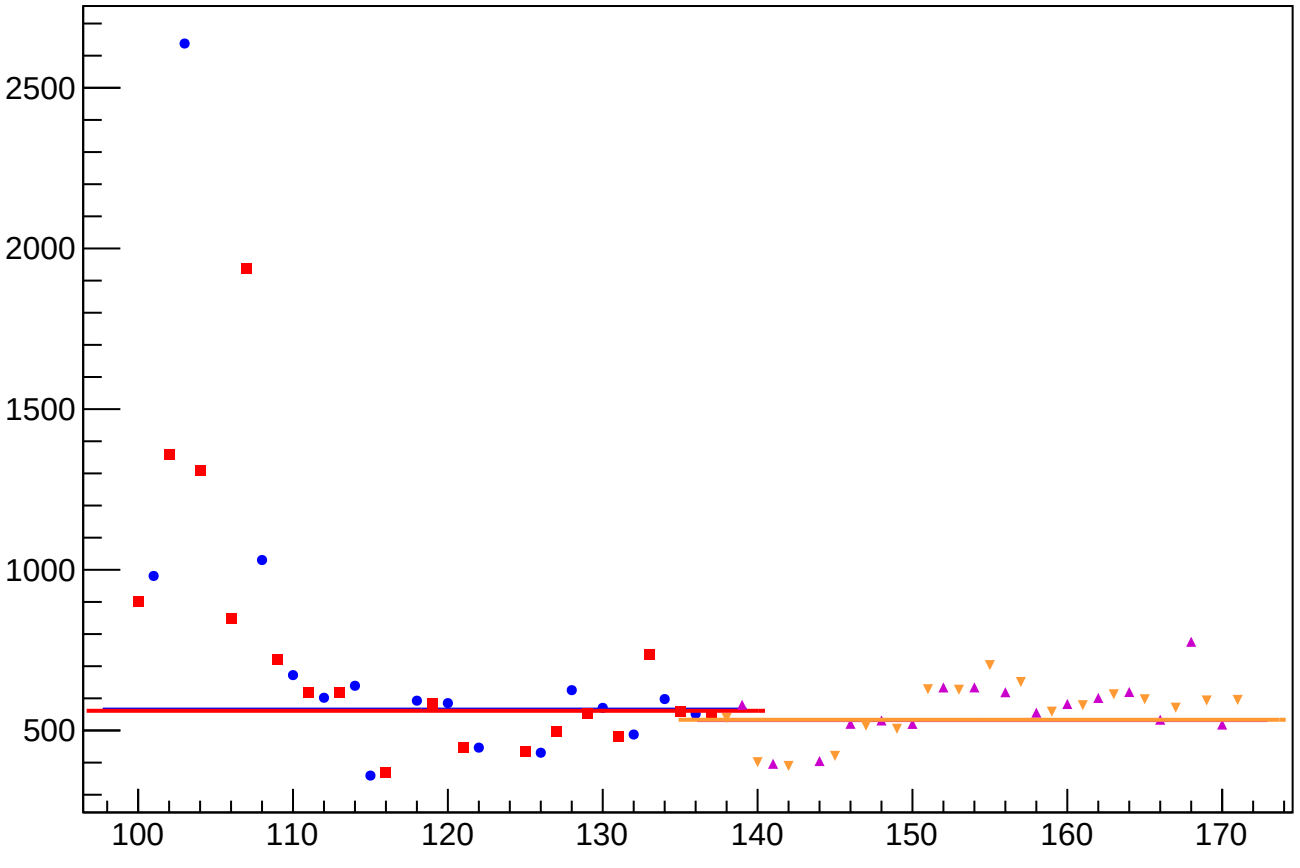
Left: -229.070+/-104.999 χ^2/NDF: 77.0/32

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 4.002+/-123.780 χ^2/NDF:35.9/31

Out: -241.419+/-123.426 χ^2/NDF:88.9/34

All: -119.060+/-87.401 χ^2/NDF: 126.7/66



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: 532.349+/-0.105 χ^2/NDF:750119.0/15

Left: 532.835+/-0.074 χ^2/NDF: 1492636.7/32

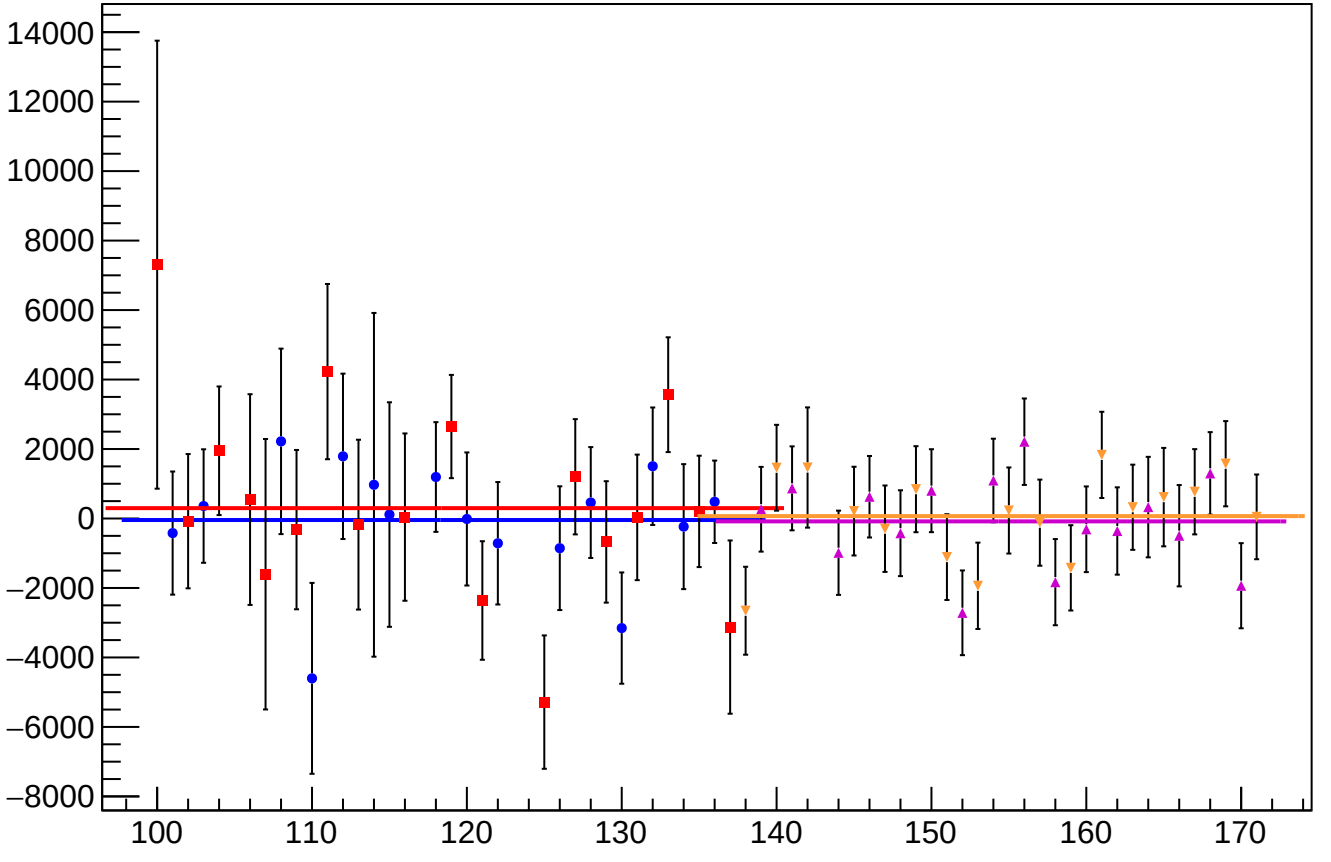
Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 542.408+/-0.088 χ^2/NDF:2064207.3/31

Out: 541.856+/-0.087 χ^2/NDF:2116451.0/34

All: 542.131+/-0.062 χ^2/NDF: 4180678.3/66

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



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: -83.280+/-310.177 χ^2/NDF:17.1/15

Left: -6.531+/-218.208 χ^2/NDF: 33.4/32

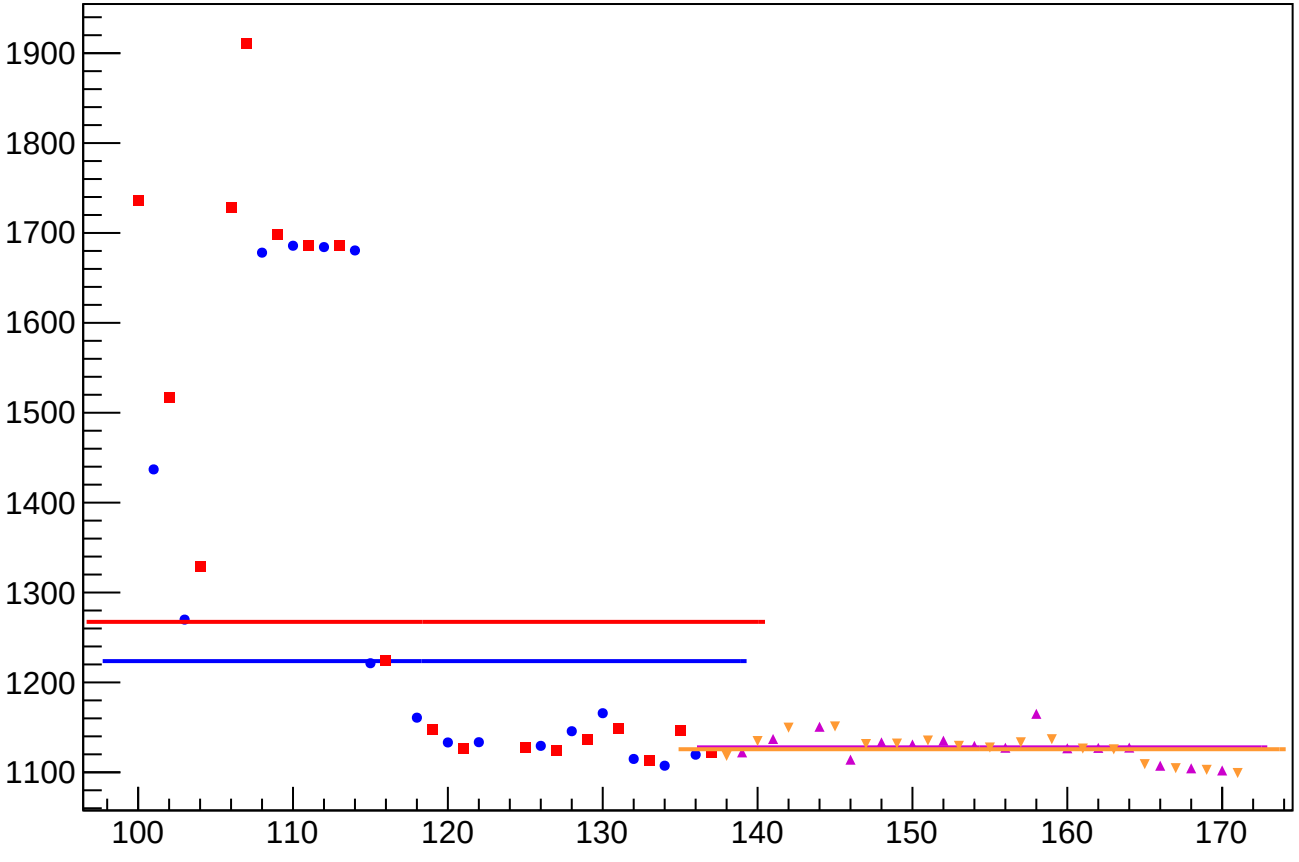
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -70.950+/-257.037 χ^2/NDF:27.2/31

Out: 136.248+/-257.905 χ^2/NDF:40.9/34

All: 32.300+/-182.059 χ^2/NDF: 68.5/66

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: 1127.762+/-0.219 χ^2/NDF:5136.4/15

Left: 1126.710+/-0.154 χ^2/NDF: 9519.8/32

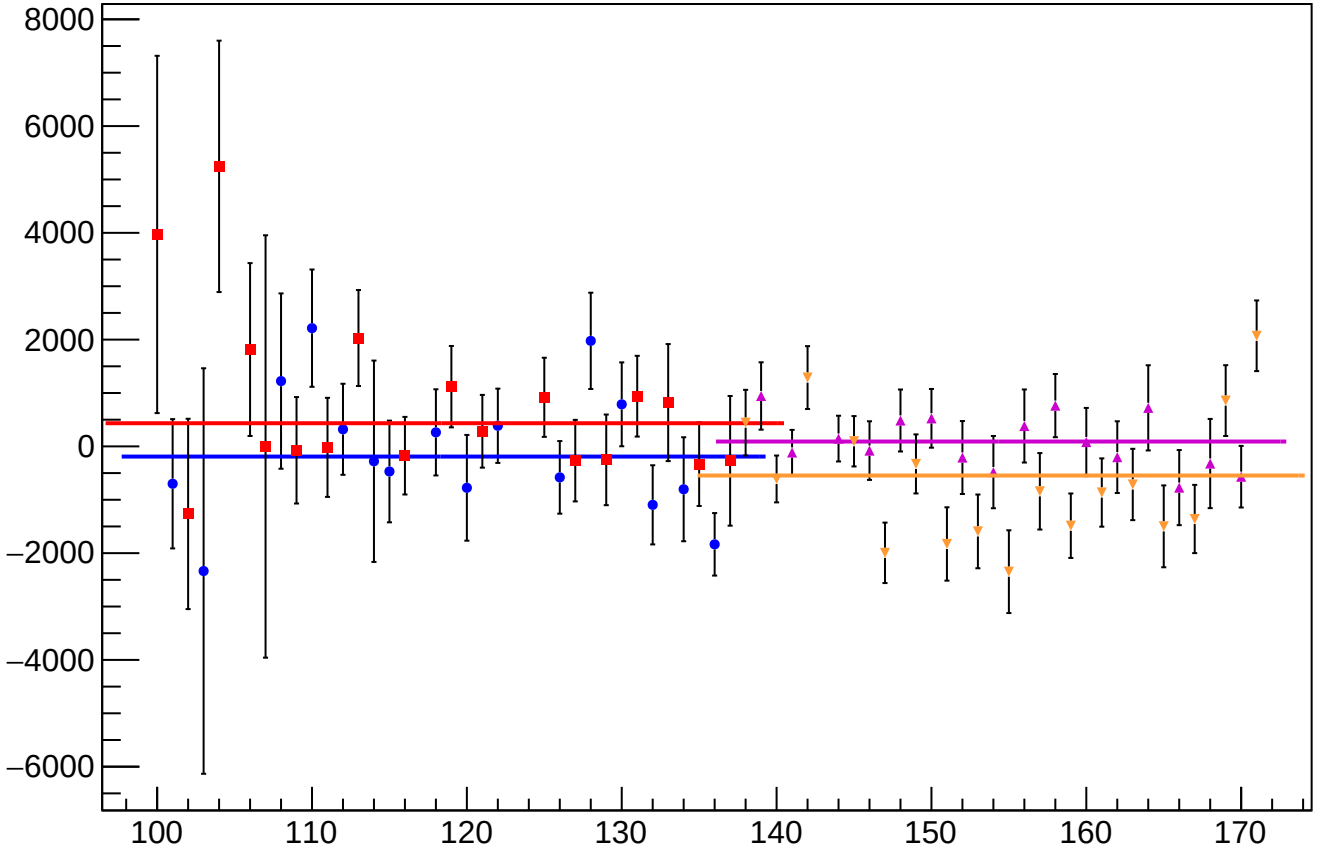
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1157.820+/-0.182 χ^2/NDF:360051.6/31

Out: 1167.392+/-0.182 χ^2/NDF:569709.8/34

All: 1162.590+/-0.129 χ^2/NDF: 931143.5/66

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: 90.815+/-148.848 χ^2/NDF:9.5/15

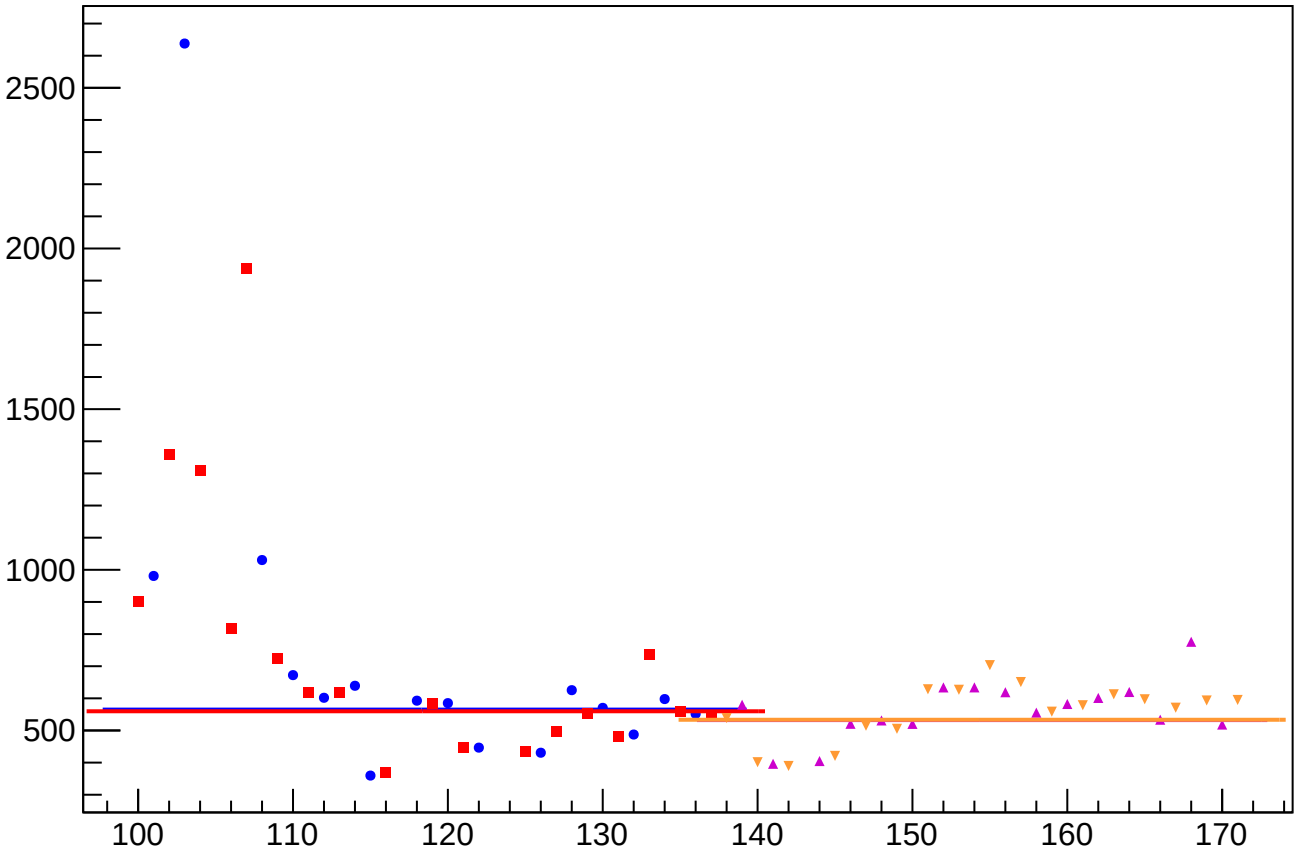
Left: -229.091+/-104.999 χ^2/NDF: 77.0/32

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 3.994+/-123.780 χ^2/NDF:35.9/31

Out: -246.969+/-123.484 χ^2/NDF:87.5/34

All: -121.788+/-87.421 χ^2/NDF: 125.5/66



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: 532.348+/-0.105 χ^2/NDF:750075.6/15

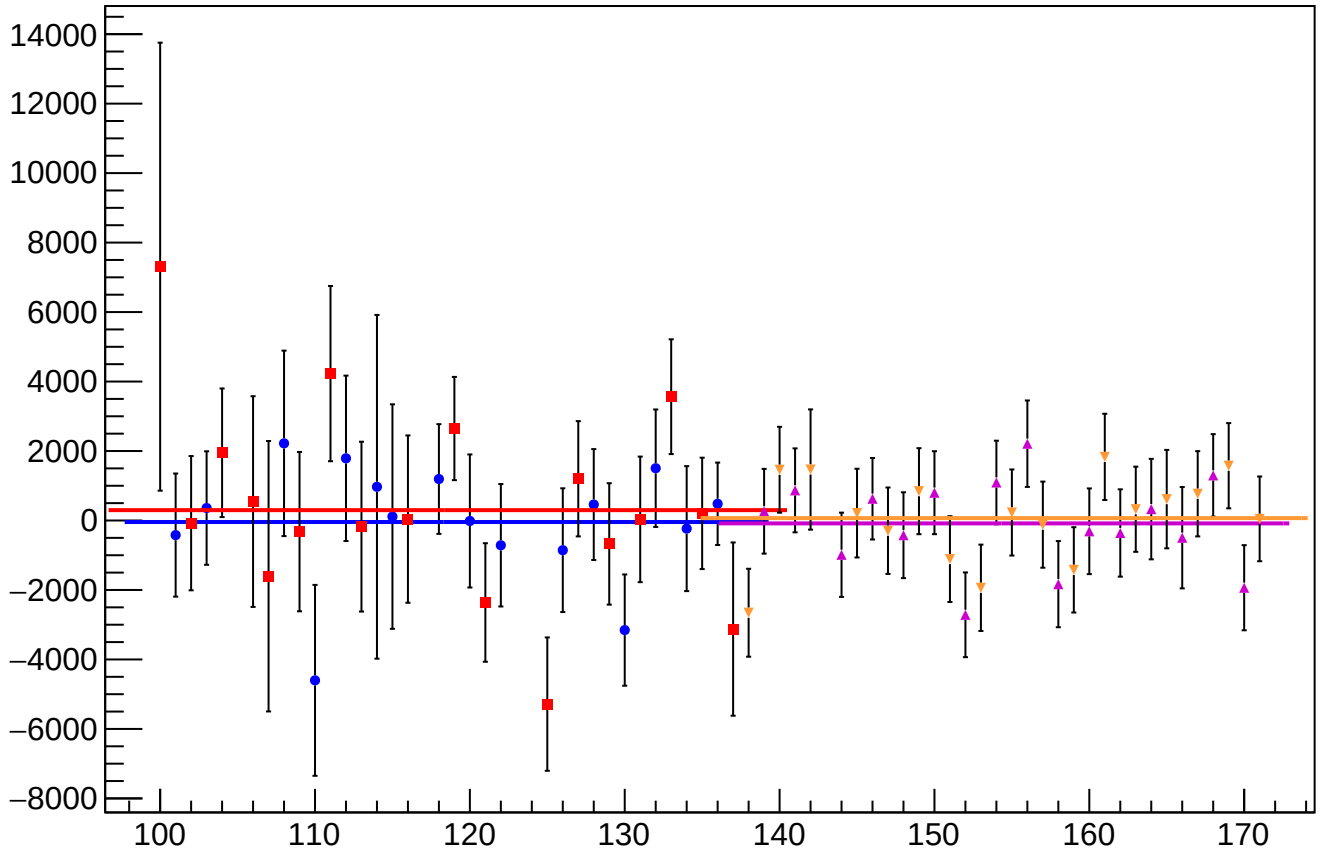
Left: 532.834+/-0.074 χ^2/NDF: 1492578.9/32

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.406+/-0.088 χ^2/NDF:2064134.5/31

Out: 541.384+/-0.087 χ^2/NDF:2091263.0/34

All: 541.894+/-0.062 χ^2/NDF: 4155465.9/66



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: -83.280+/-310.177 χ^2/NDF:17.1/15

Left: -6.531+/-218.208 χ^2/NDF: 33.4/32

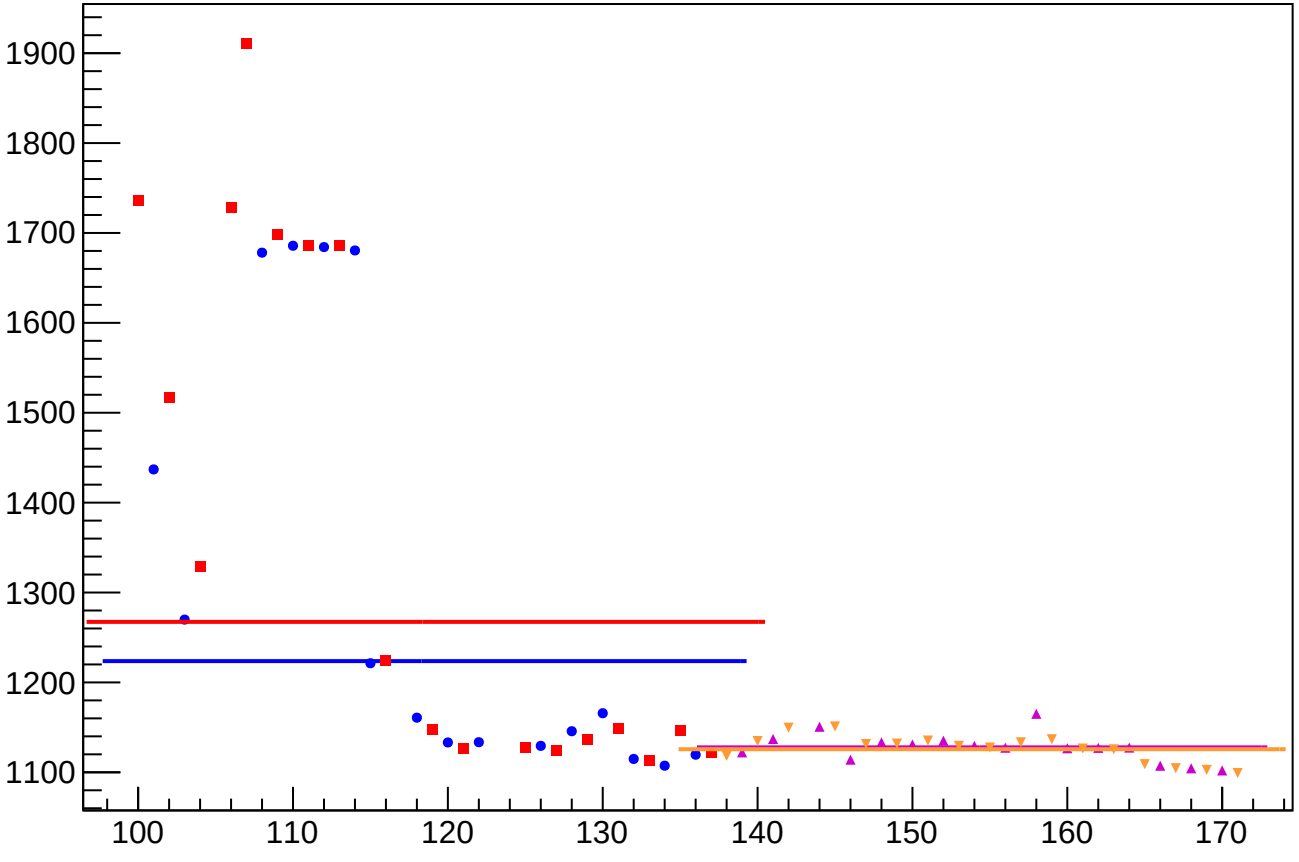
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: -70.950+/-257.037 χ^2/NDF:27.2/31

Out: 136.248+/-257.905 χ^2/NDF:40.9/34

All: 32.300+/-182.059 χ^2/NDF: 68.5/66

eigen_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: 1127.762+/-0.219 χ^2/NDF:5136.4/15

Left: 1126.710+/-0.154 χ^2/NDF: 9519.8/32

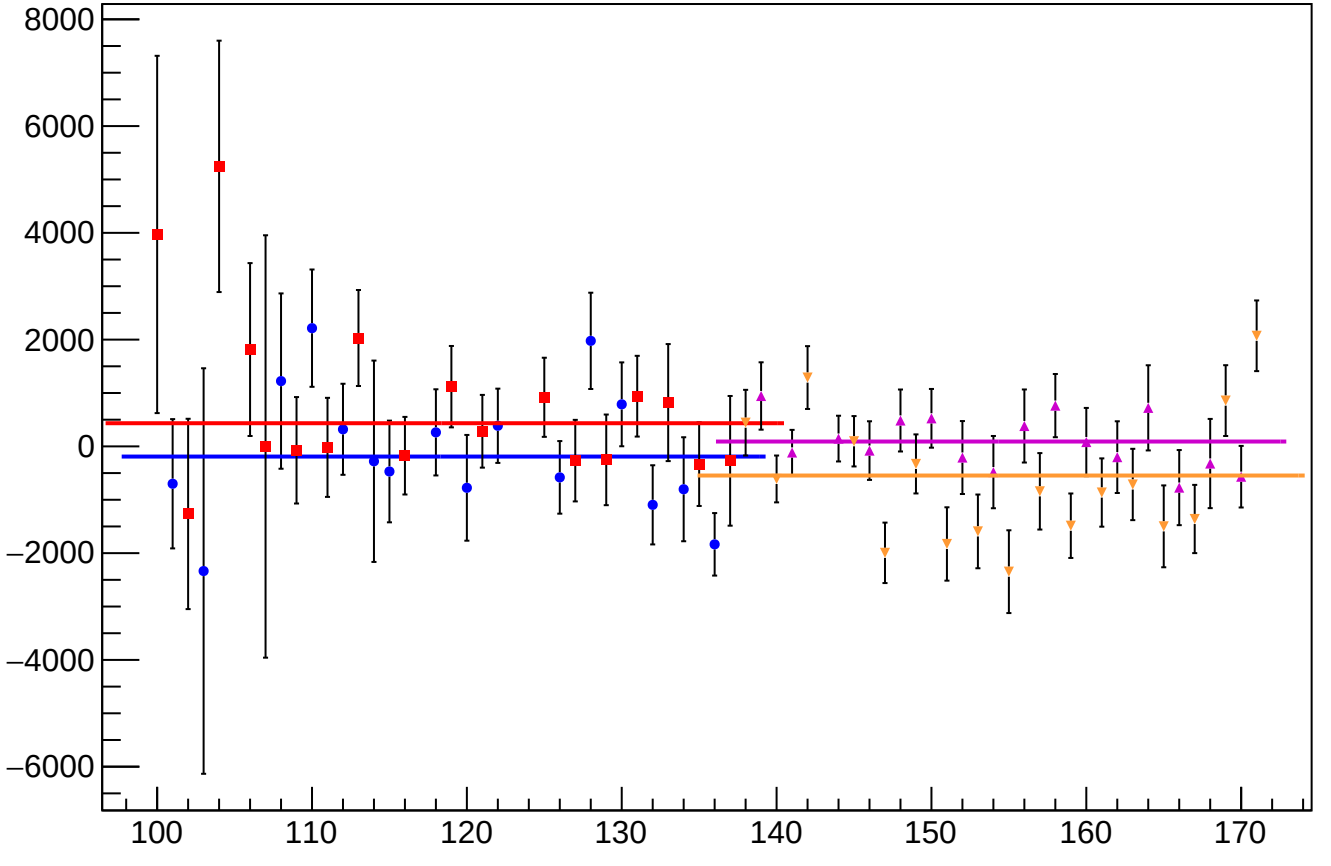
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1157.820+/-0.182 χ^2/NDF:360051.6/31

Out: 1167.392+/-0.182 χ^2/NDF:569709.8/34

All: 1162.590+/-0.129 χ^2/NDF: 931143.5/66

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: 90.815+/-148.848 χ^2/NDF:9.5/15

Left: -229.091+/-104.999 χ^2/NDF: 77.0/32

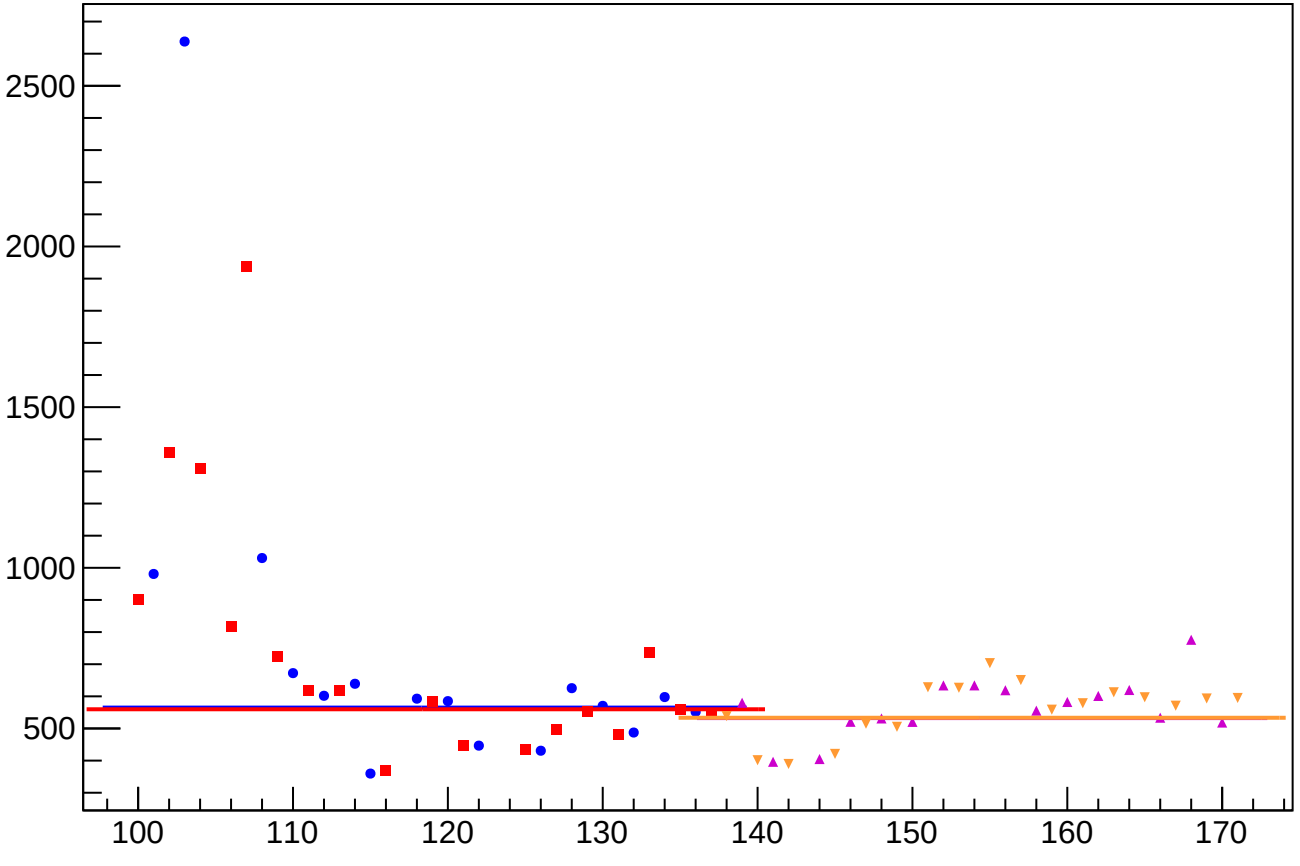
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 3.994+/-123.780 χ^2/NDF:35.9/31

Out: -246.969+/-123.484 χ^2/NDF:87.5/34

All: -121.788+/-87.421 χ^2/NDF: 125.5/66

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: 532.348+/-0.105 χ^2/NDF:750075.6/15

Left: 532.834+/-0.074 χ^2/NDF: 1492578.9/32

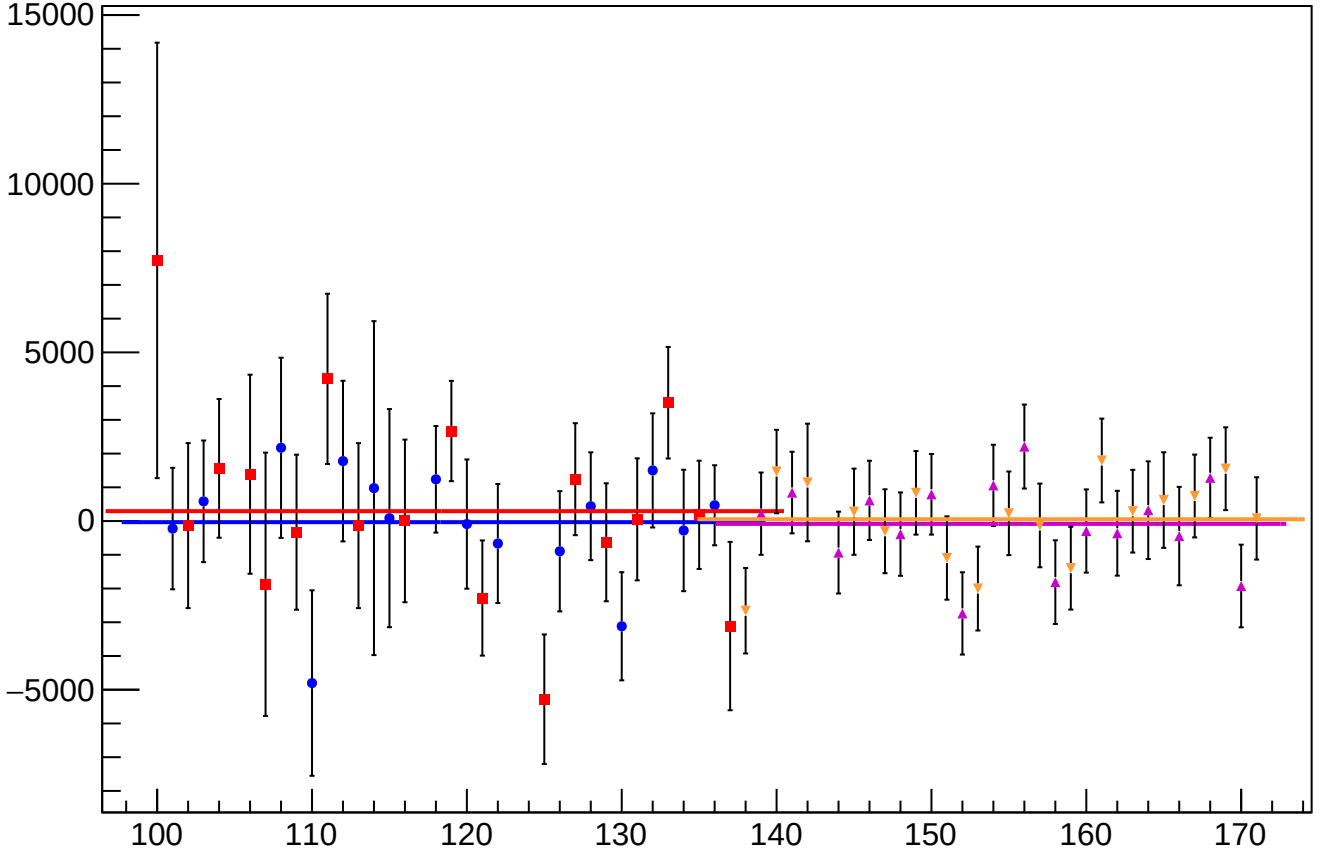
Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 542.406+/-0.088 χ^2/NDF:2064134.5/31

Out: 541.384+/-0.087 χ^2/NDF:2091263.0/34

All: 541.894+/-0.062 χ^2/NDF: 4155465.9/66

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: -84.036+/-310.300 χ^2/NDF:16.9/15

Left: -14.484+/-218.318 χ^2/NDF: 32.8/32

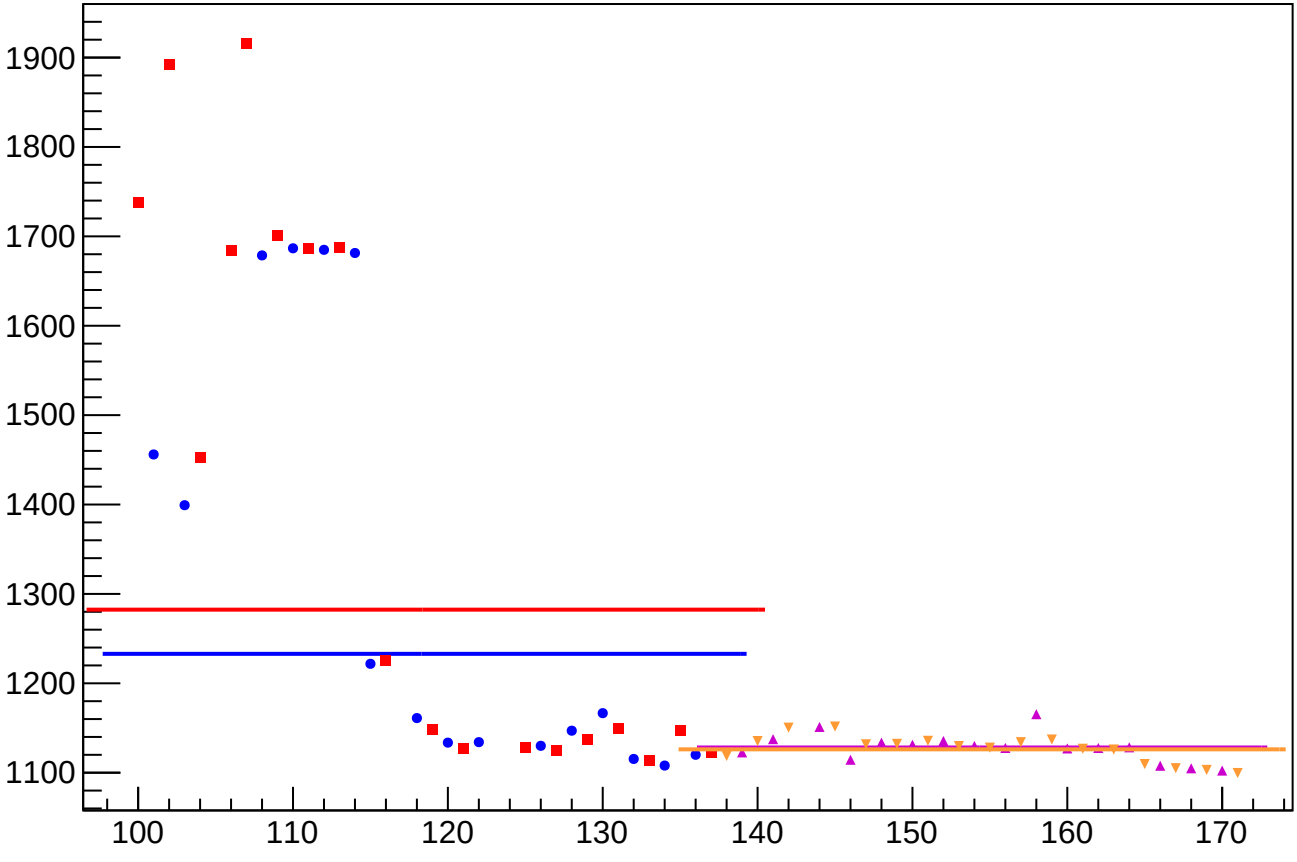
Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: -68.247+/-257.802 χ^2/NDF:27.1/31

Out: 122.564+/-259.354 χ^2/NDF:40.2/34

All: 26.586+/-182.840 χ^2/NDF: 67.6/66

dit_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



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: 1128.208+/-0.219 χ^2/NDF:5133.8/15

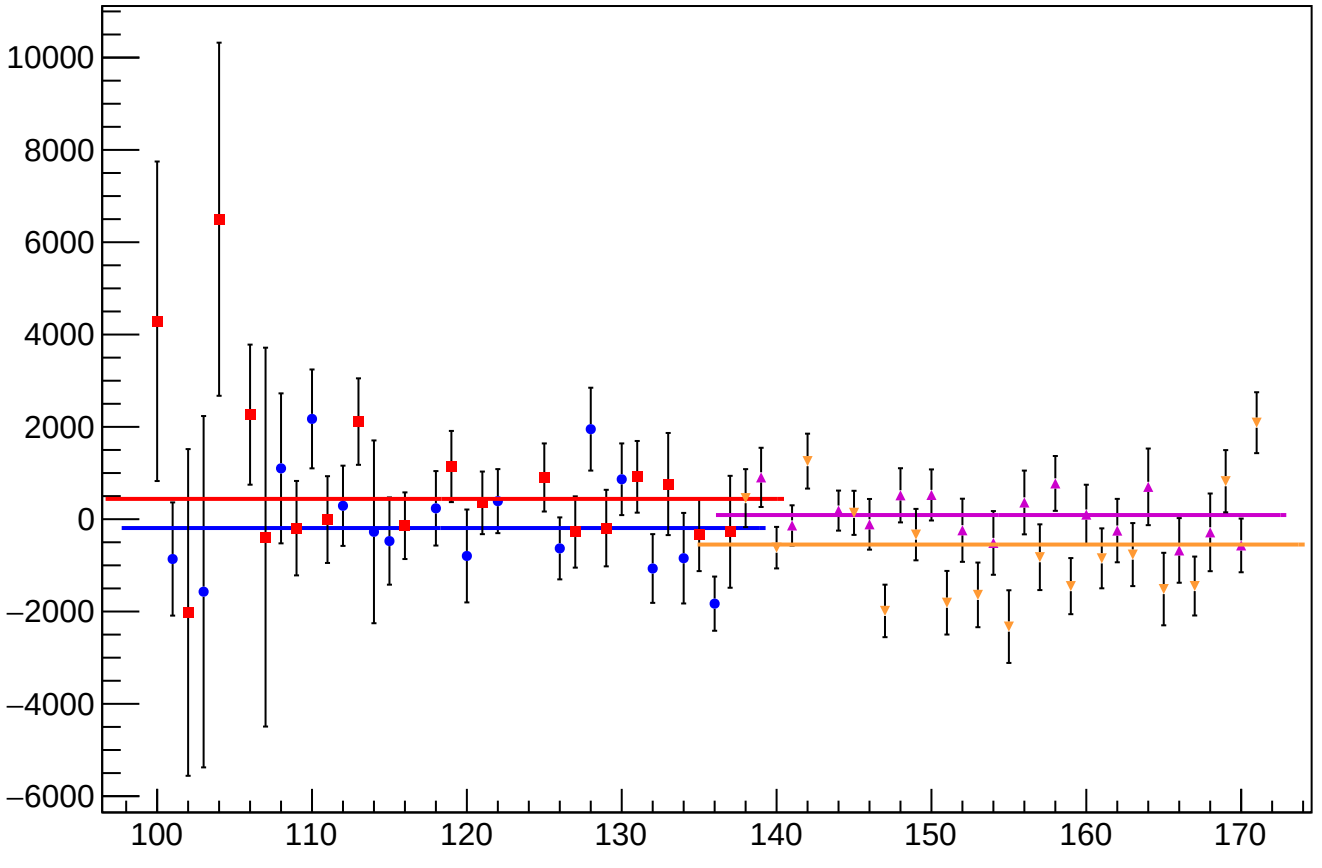
Left: 1127.162+/-0.154 χ^2/NDF: 9525.1/32

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1160.656+/-0.182 χ^2/NDF:391209.7/31

Out: 1171.038+/-0.183 χ^2/NDF:696437.2/34

All: 1165.816+/-0.129 χ^2/NDF: 1089258.8/66



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -549.142+/-149.841 χ^2/NDF:57.6/16

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 90.046+/-150.699 χ^2/NDF:9.2/15

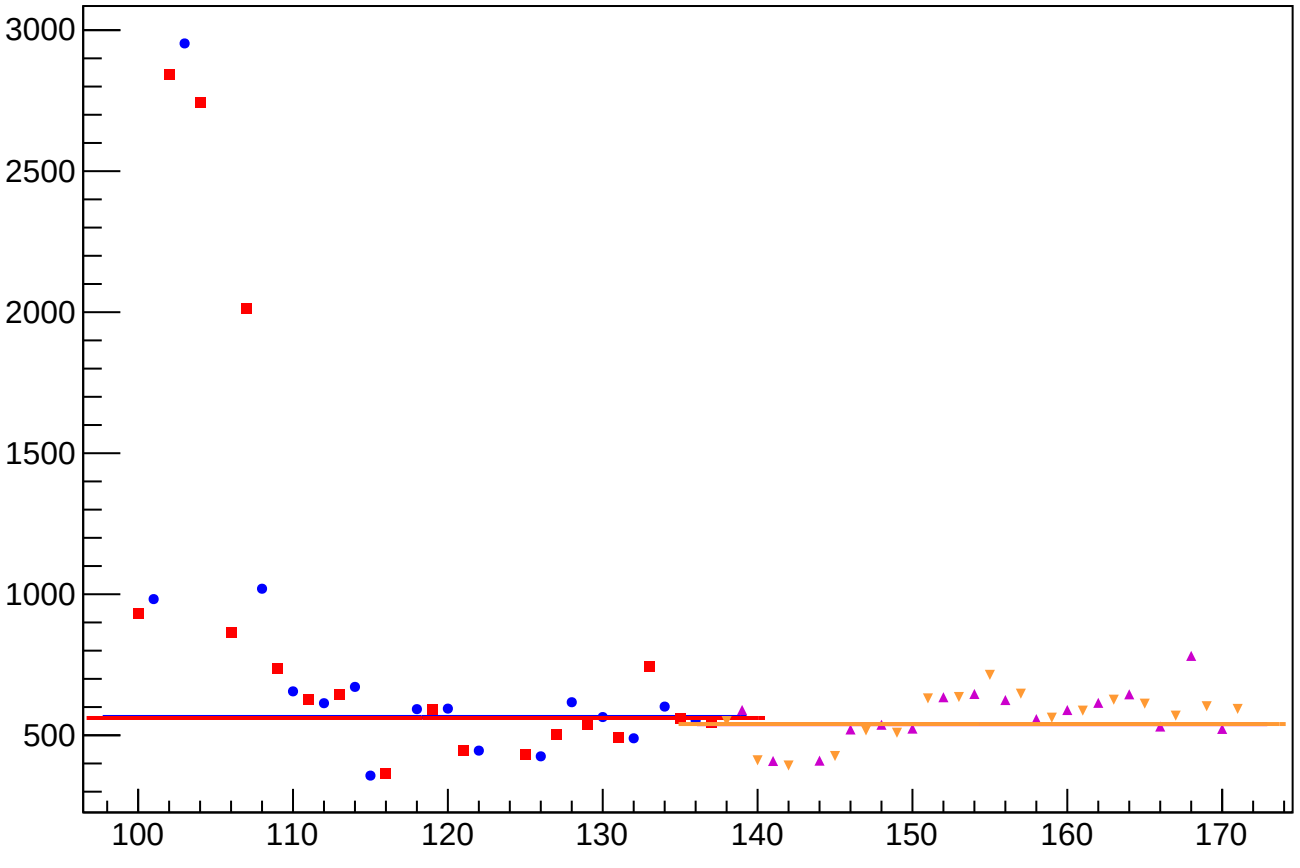
Left: -231.374+/-106.256 χ^2/NDF: 75.8/32

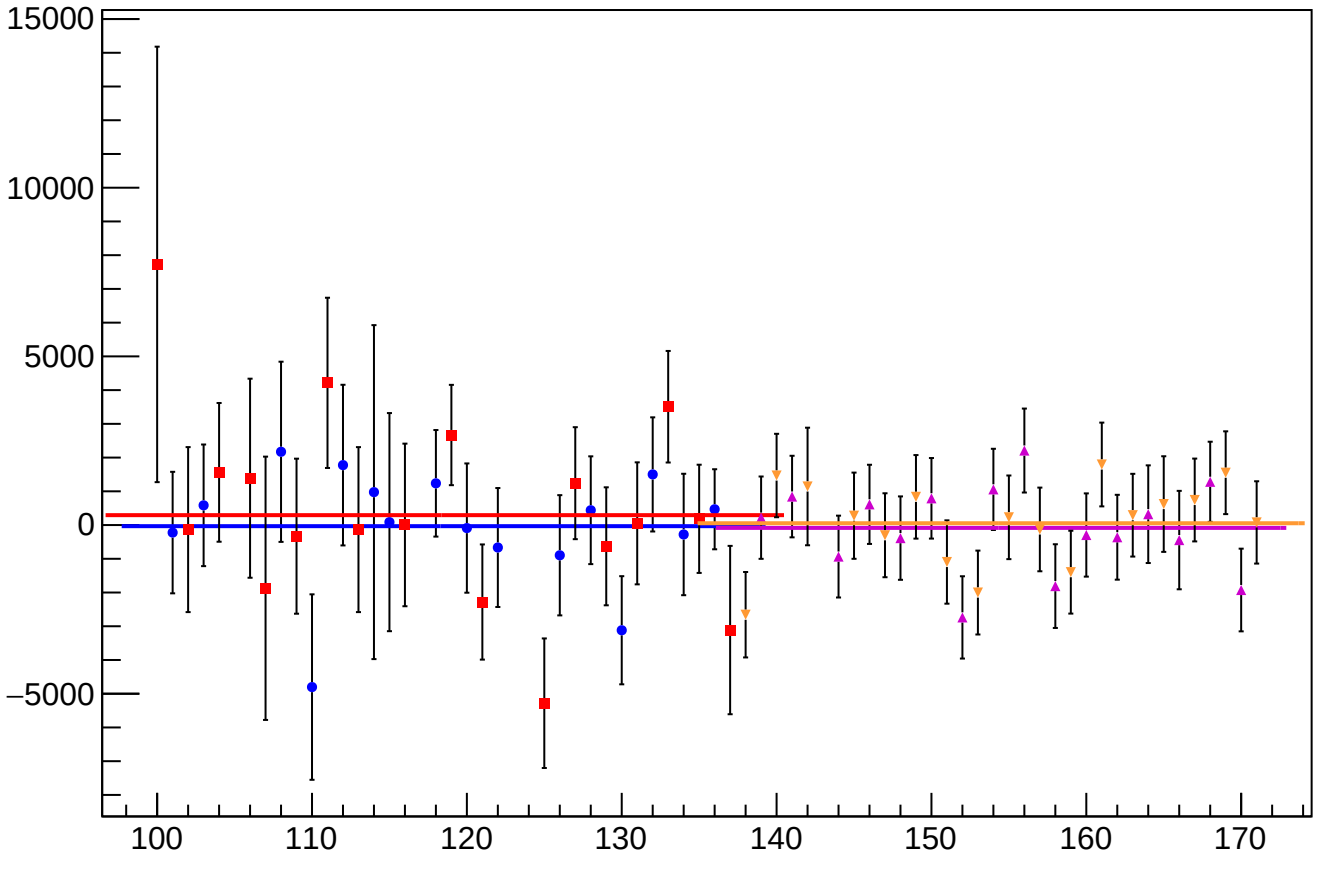
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 1.641+/-124.820 χ^2/NDF:35.5/31

Out: -248.332+/-124.987 χ^2/NDF:85.5/34

All: -123.179+/-88.320 χ^2/NDF: 123.0/66


asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 564.871+/-0.158 χ²/NDF: 1480375.5/15
Left Out: 539.796+/-0.106 χ²/NDF:721548.6/16
Right Out: 561.273+/-0.160 χ²/NDF: 2273371.7/17
Left In: 539.362+/-0.107 χ²/NDF:729135.7/15
Left: 539.580+/-0.075 χ²/NDF: 1450692.7/32
Right: 563.103+/-0.112 χ²/NDF: 3754003.6/33
In: 547.371+/-0.088 χ²/NDF:2227502.5/31
Out: 546.330+/-0.088 χ²/NDF:3007420.7/34
All: 546.851+/-0.062 χ²/NDF: 5234992.7/66



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: -84.035+/-310.300 χ^2/NDF:16.9/15

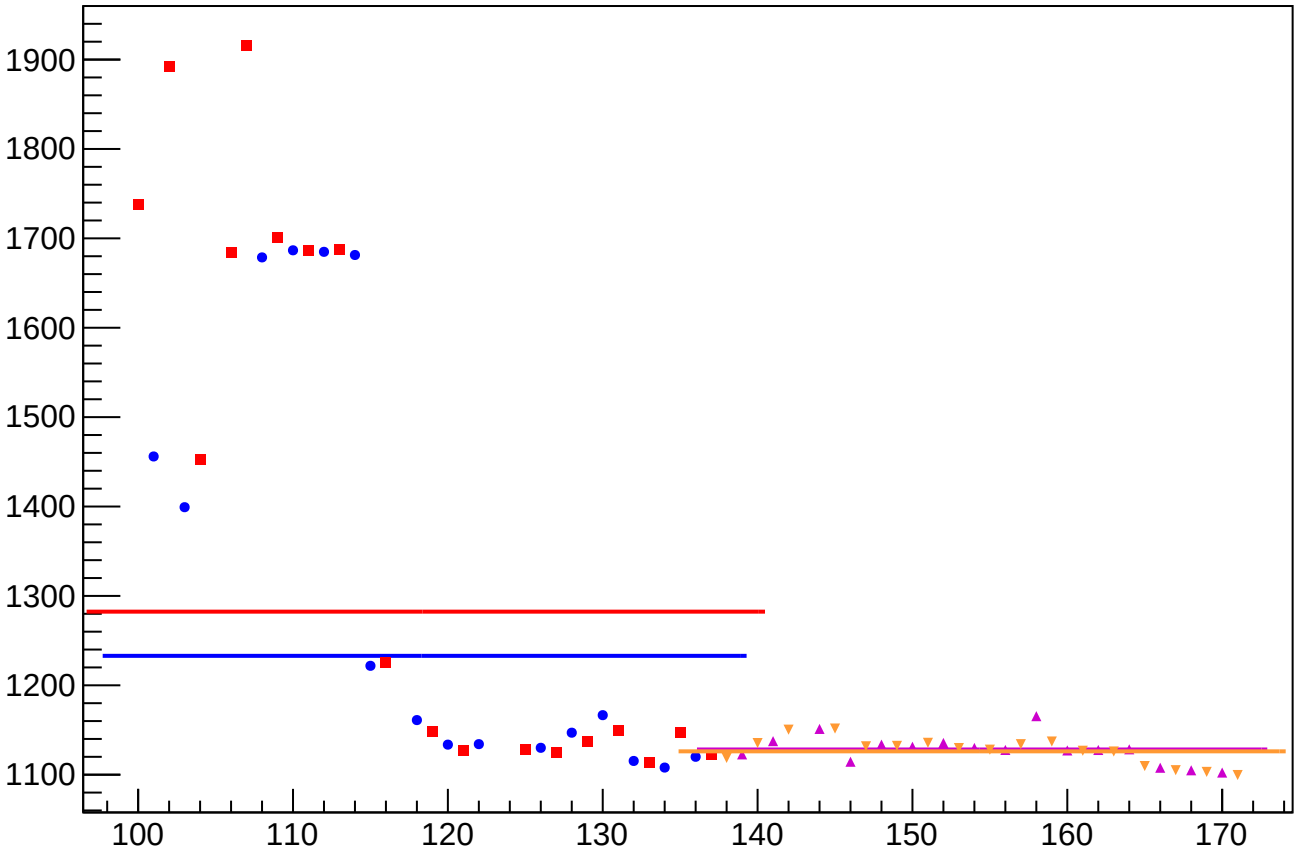
Left: -14.485+/-218.318 χ^2/NDF: 32.8/32

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: -68.246+/-257.802 χ^2/NDF:27.1/31

Out: 122.563+/-259.354 χ^2/NDF:40.2/34

All: 26.586+/-182.840 χ^2/NDF: 67.6/66



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: 1128.208+/-0.219 χ^2/NDF:5133.8/15

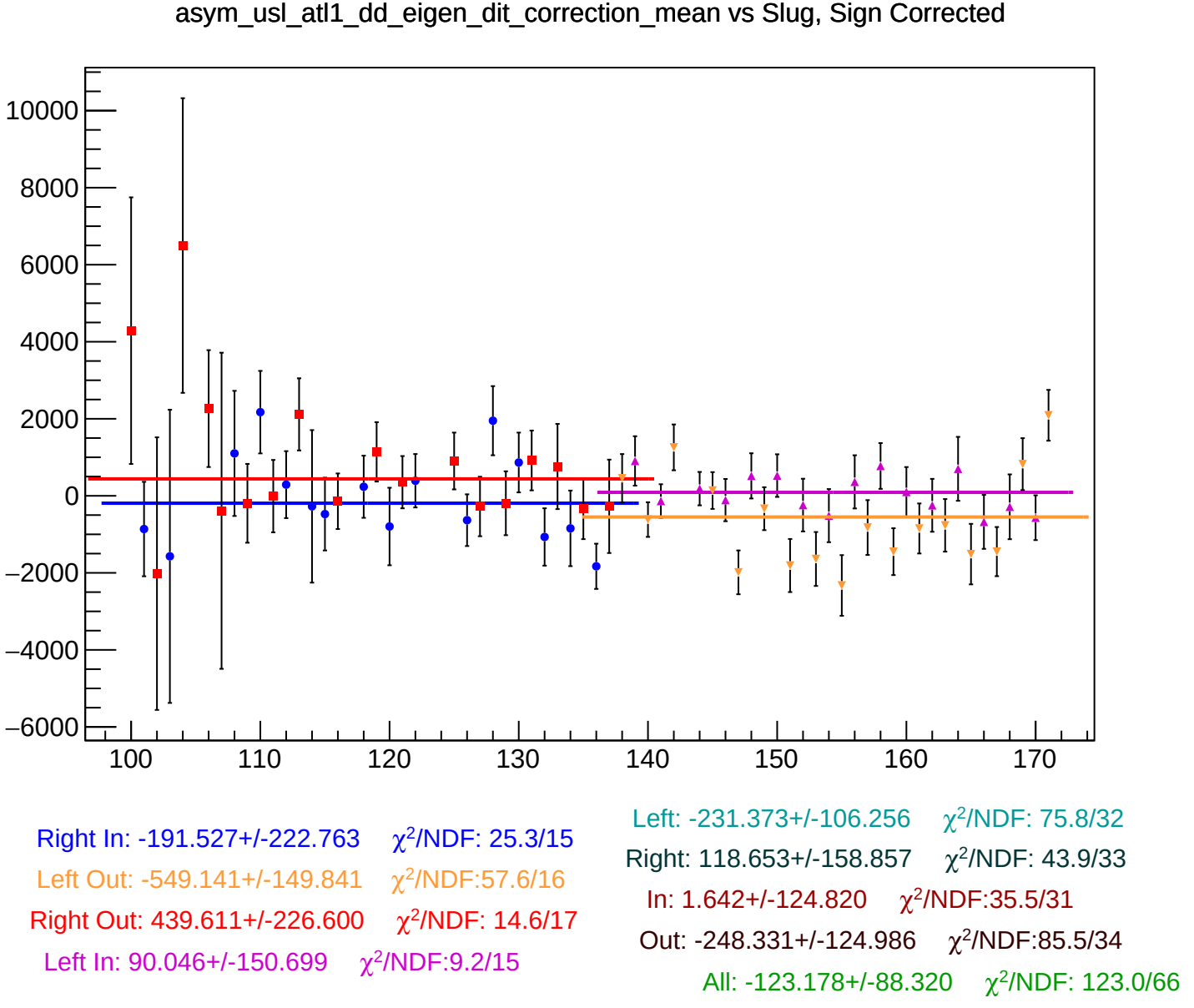
Left: 1127.162+/-0.154 χ^2/NDF: 9525.1/32

Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

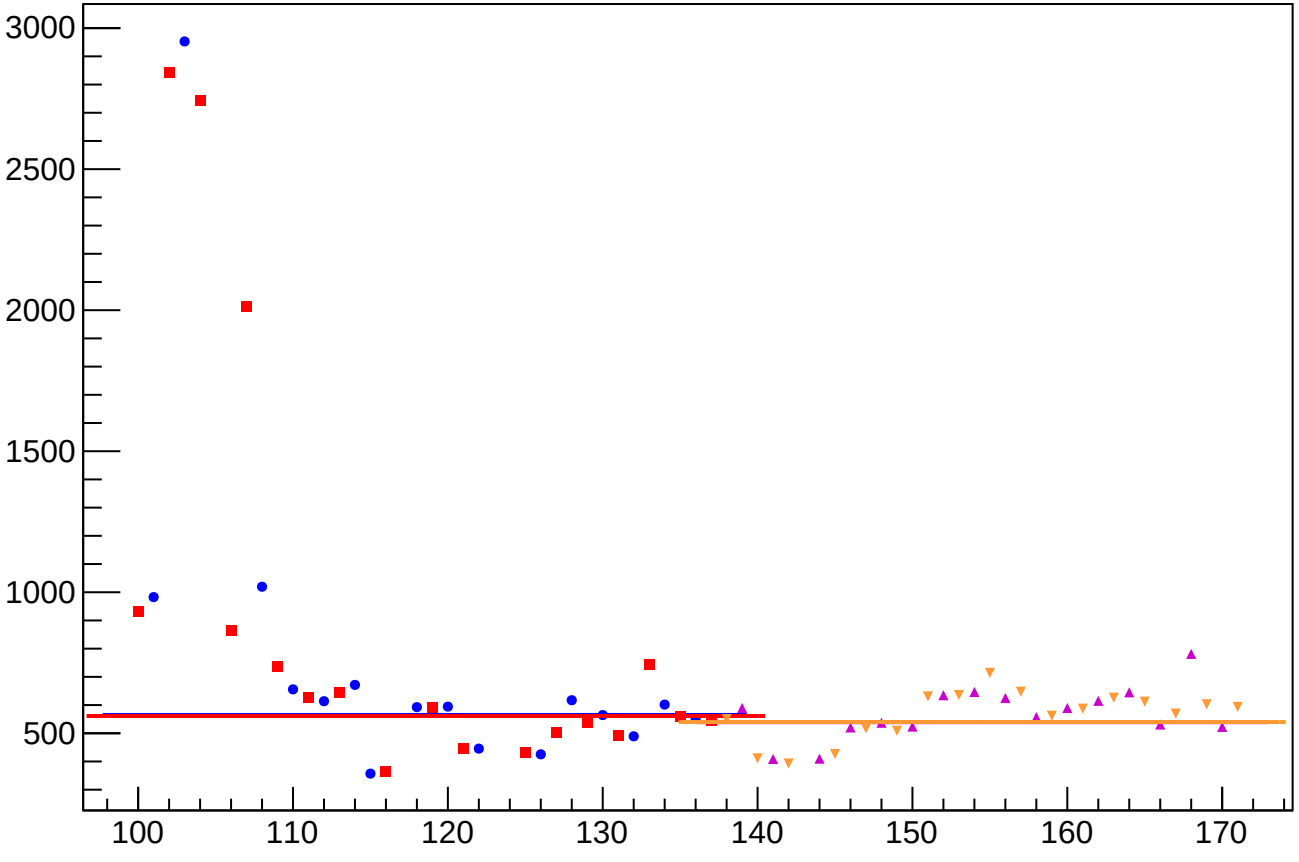
In: 1160.656+/-0.182 χ^2/NDF:391209.2/31

Out: 1171.038+/-0.183 χ^2/NDF:696436.5/34

All: 1165.816+/-0.129 χ^2/NDF: 1089257.6/66


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: 90.046+/-150.699 χ²/NDF:9.2/15
Left: -231.373+/-106.256 χ²/NDF: 75.8/32
Right: 118.653+/-158.857 χ²/NDF: 43.9/33
In: 1.642+/-124.820 χ²/NDF:35.5/31
Out: -248.331+/-124.986 χ²/NDF:85.5/34
All: -123.178+/-88.320 χ²/NDF: 123.0/66

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: 539.362+/-0.107 χ^2/NDF:729148.1/15

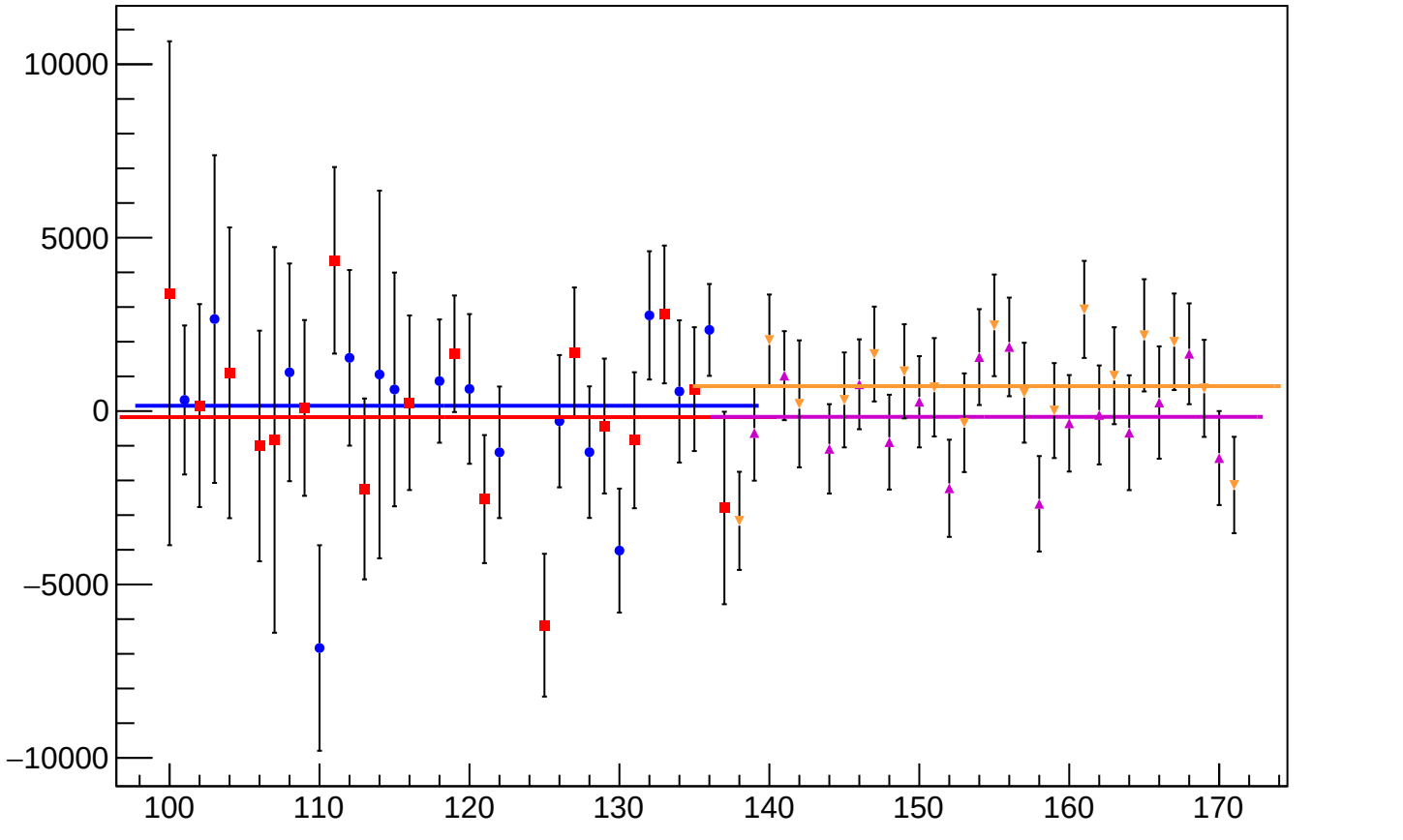
Left: 539.580+/-0.075 χ^2/NDF: 1450723.7/32

Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 547.370+/-0.088 χ^2/NDF:2227513.1/31

Out: 546.329+/-0.088 χ^2/NDF:3007440.9/34

All: 546.851+/-0.062 χ^2/NDF: 5235023.4/66



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: -166.735+/-347.645 χ^2/NDF:13.9/15

Left: 279.748+/-244.820 χ^2/NDF: 37.2/32

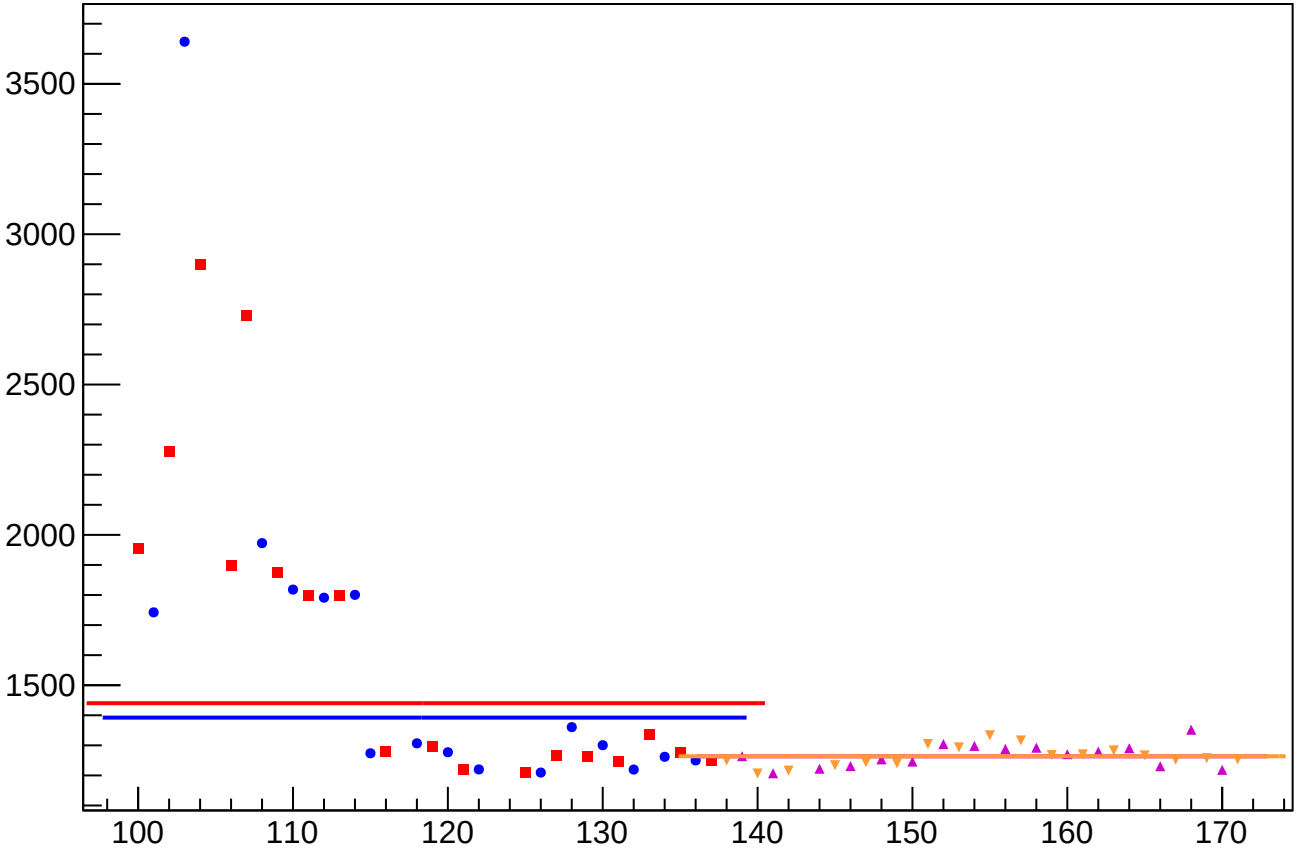
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -70.970+/-291.034 χ^2/NDF:32.0/31

Out: 467.053+/-292.178 χ^2/NDF:41.5/34

All: 196.986+/-206.196 χ^2/NDF: 75.2/66

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: 1263.464+/-0.246 χ^2/NDF:23286.2/15

Left: 1263.601+/-0.173 χ^2/NDF: 41067.3/32

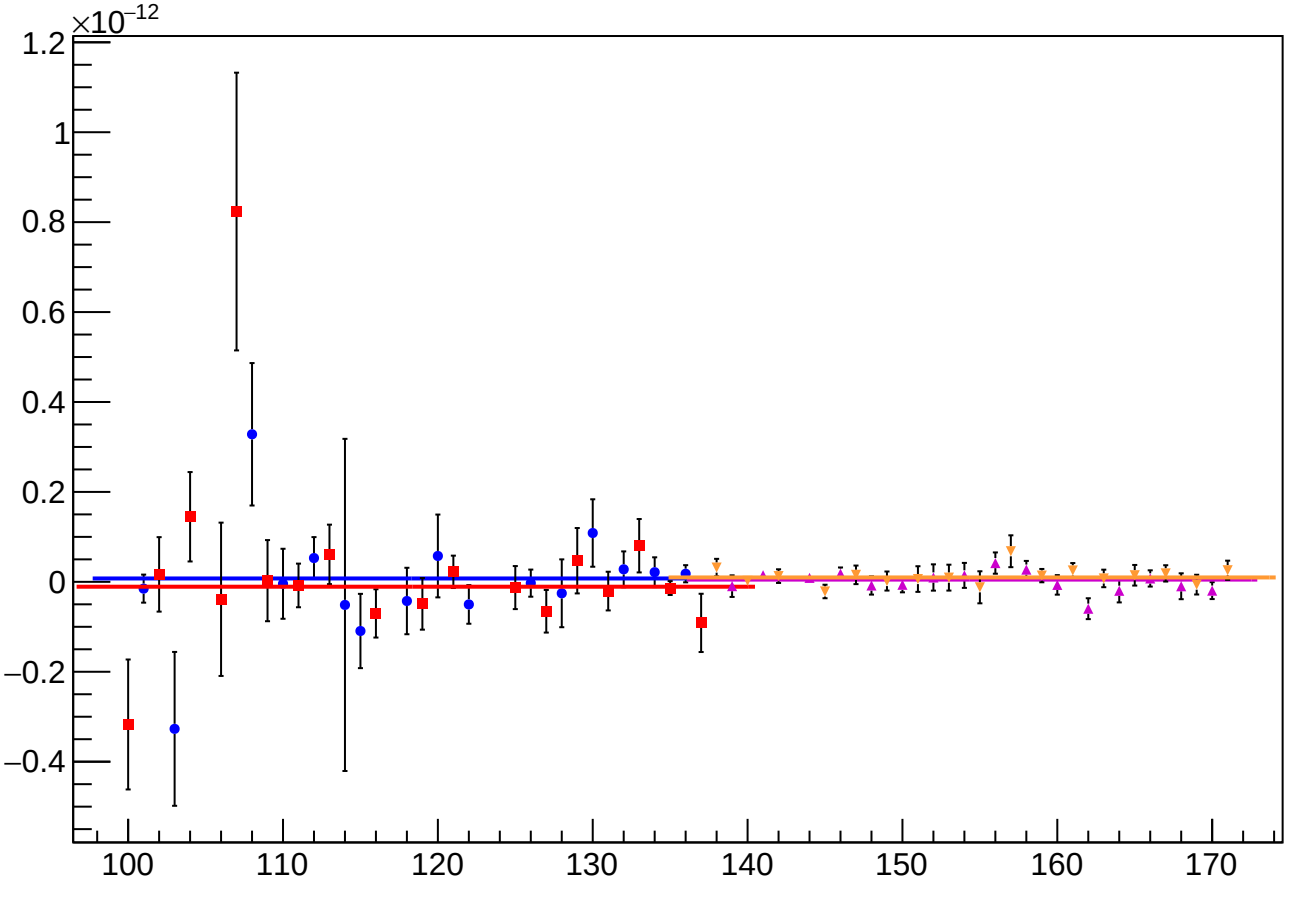
Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1302.006+/-0.206 χ^2/NDF:884700.9/31

Out: 1313.514+/-0.207 χ^2/NDF:1020433.6/34

All: 1307.738+/-0.146 χ^2/NDF: 1906691.9/66

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:18.2/15

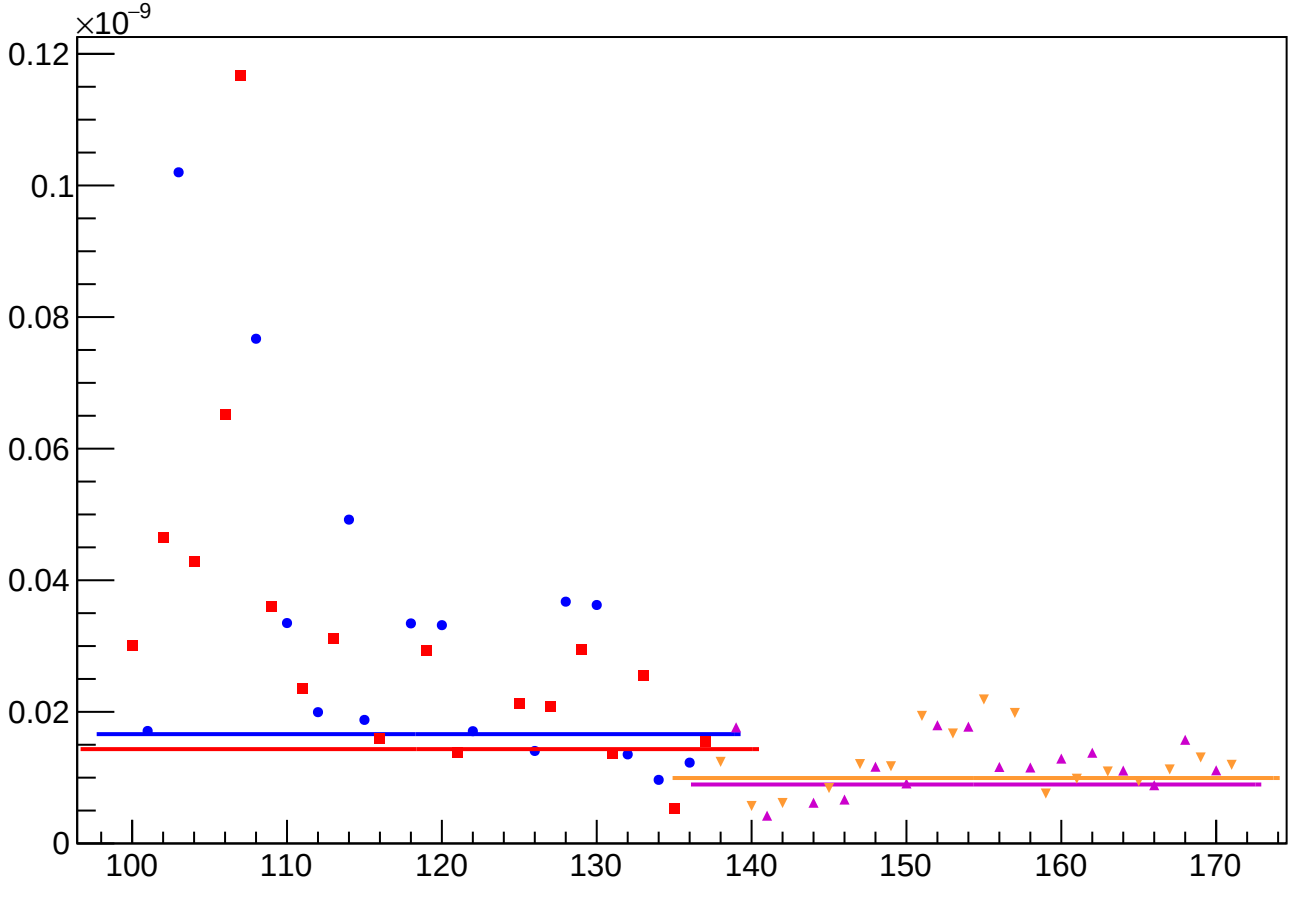
Left: 0.000+/-0.000 χ^2/NDF: 30.6/32

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:35.2/31

Out: 0.000+/-0.000 χ^2/NDF:39.0/34

All: 0.000+/-0.000 χ^2/NDF: 74.2/66



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:1754600.4/15

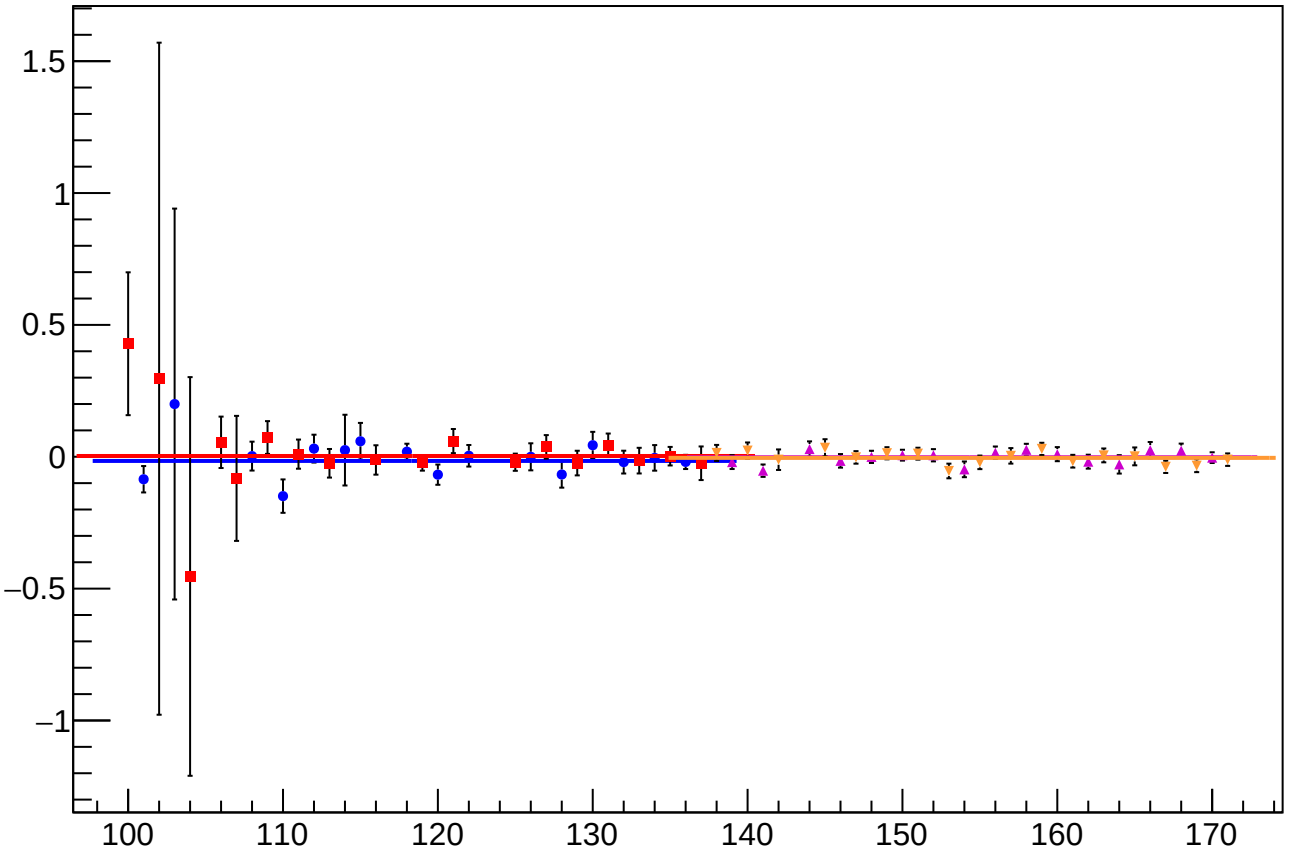
Left: 0.000+/-0.000 χ^2/NDF: 3145042.7/32

Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4181865.9/31

Out: 0.000+/-0.000 χ^2/NDF:3889766.1/34

All: 0.000+/-0.000 χ^2/NDF: 8093349.7/66



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:14.2/15

Left: -0.003+/-0.004 χ^2/NDF: 27.9/32

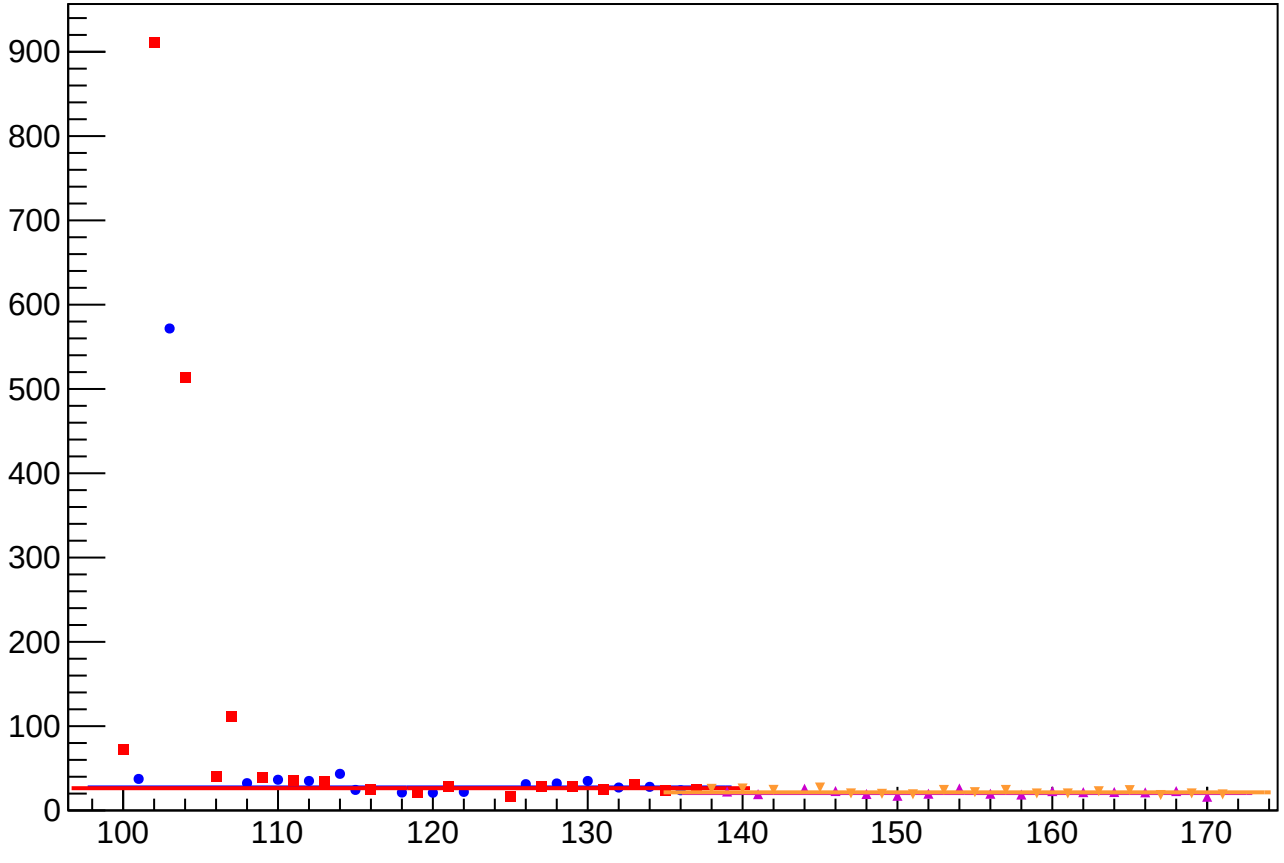
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.003+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/66

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.489+/-0.005 χ^2/NDF:323385.2/16

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.649+/-0.004 χ^2/NDF:363515.9/15

Left: 21.060+/-0.003 χ^2/NDF: 704480.3/32

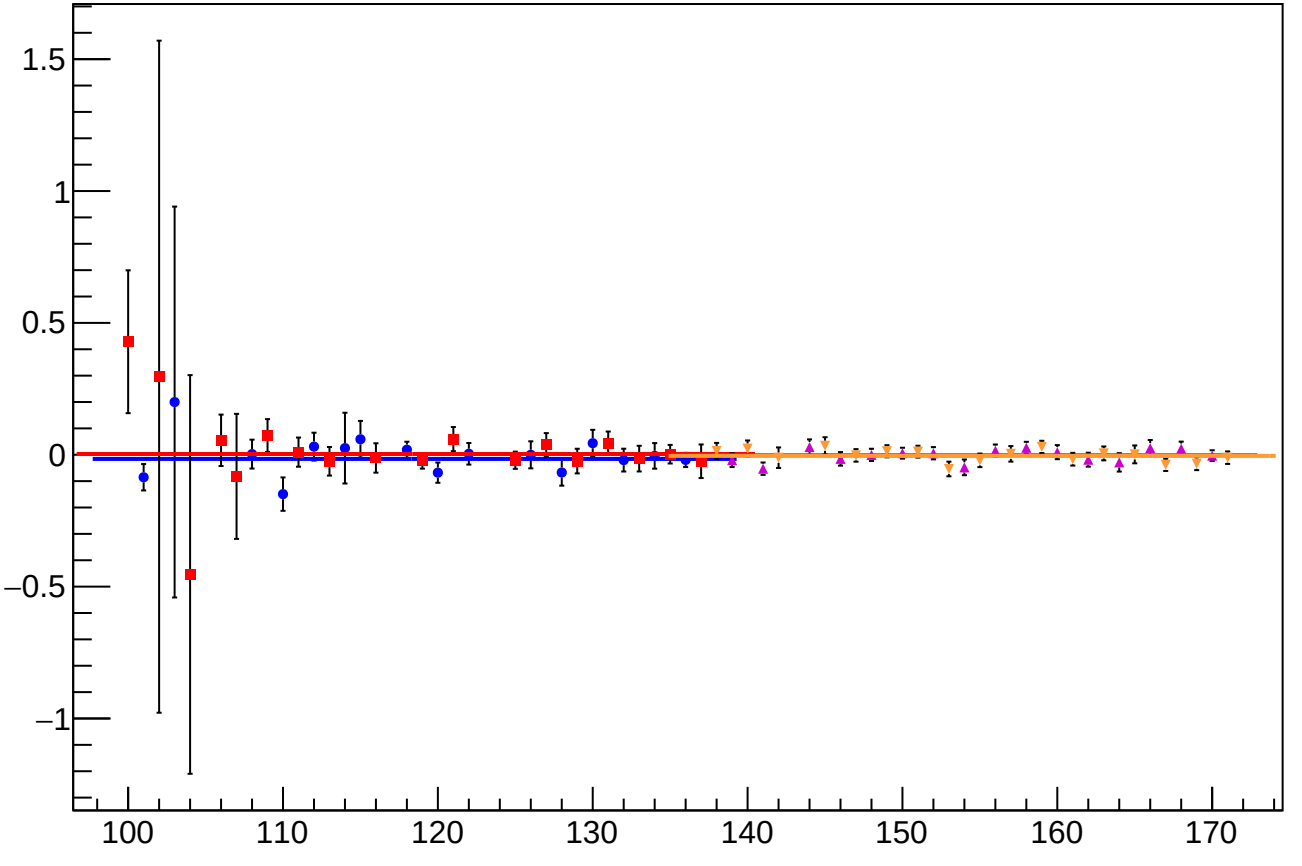
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.161+/-0.004 χ^2/NDF:2444296.3/31

Out: 22.572+/-0.004 χ^2/NDF:3198224.8/34

All: 22.362+/-0.003 χ^2/NDF: 5647949.4/66

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:14.2/15

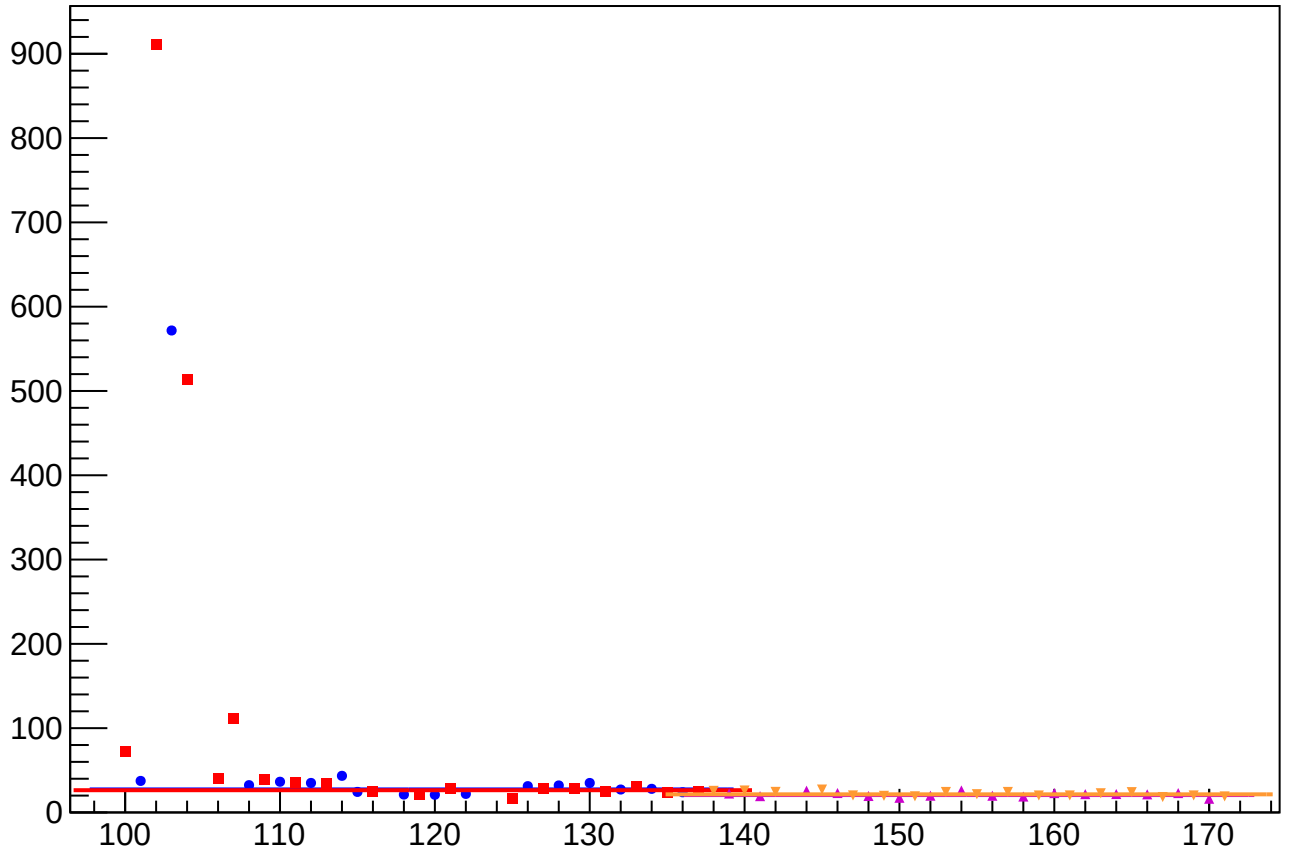
Left: -0.003+/-0.004 χ^2/NDF: 27.9/32

Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.003+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/66



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: 20.649+/-0.004 χ^2/NDF:363515.9/15

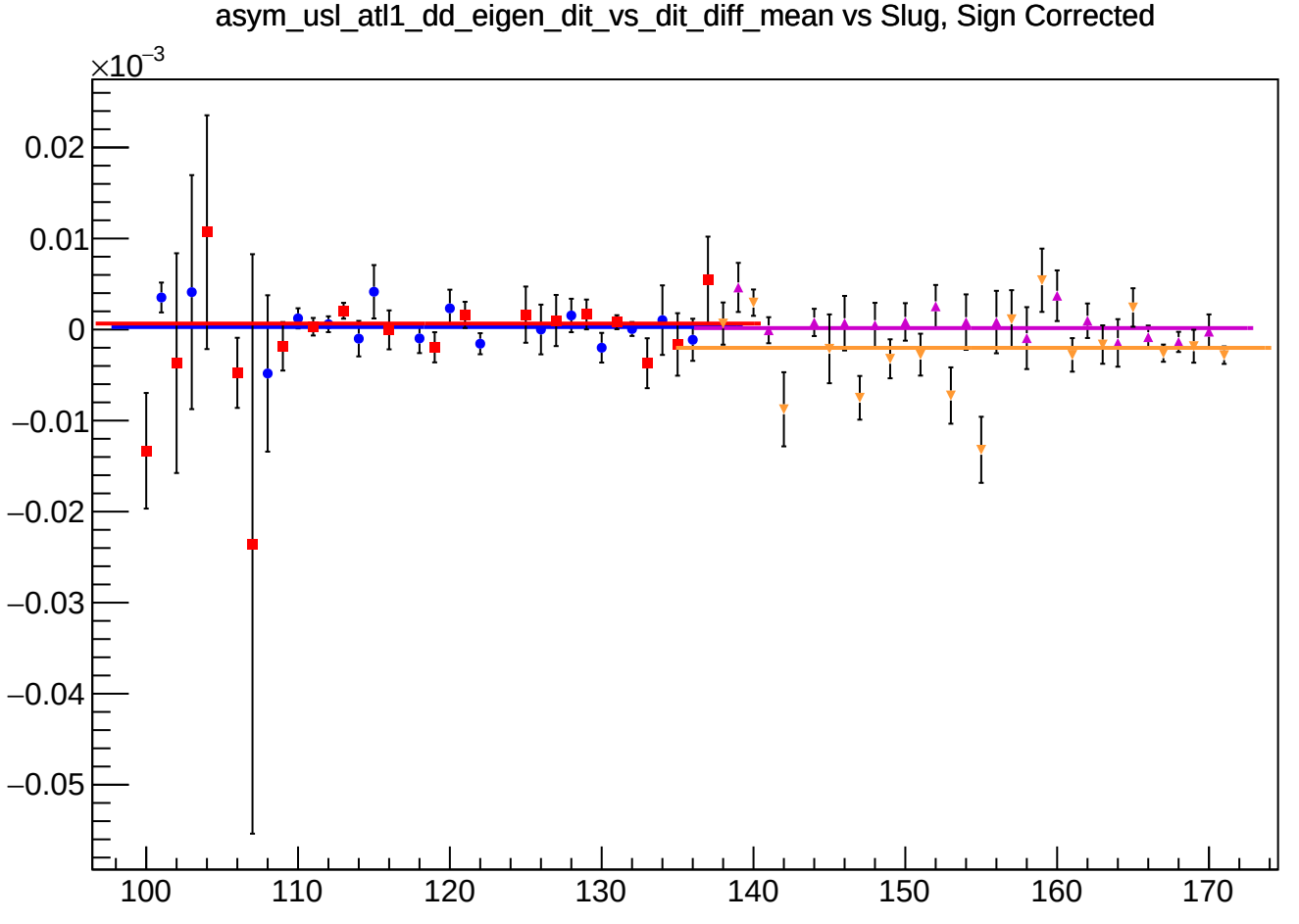
Left: 21.060+/-0.003 χ^2/NDF: 704480.3/32

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 22.161+/-0.004 χ^2/NDF:2444296.3/31

Out: 22.572+/-0.004 χ^2/NDF:3198224.8/34

All: 22.362+/-0.003 χ^2/NDF: 5647949.4/66



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:9.1/15

Left: -0.000+/-0.000 χ^2/NDF: 65.1/32

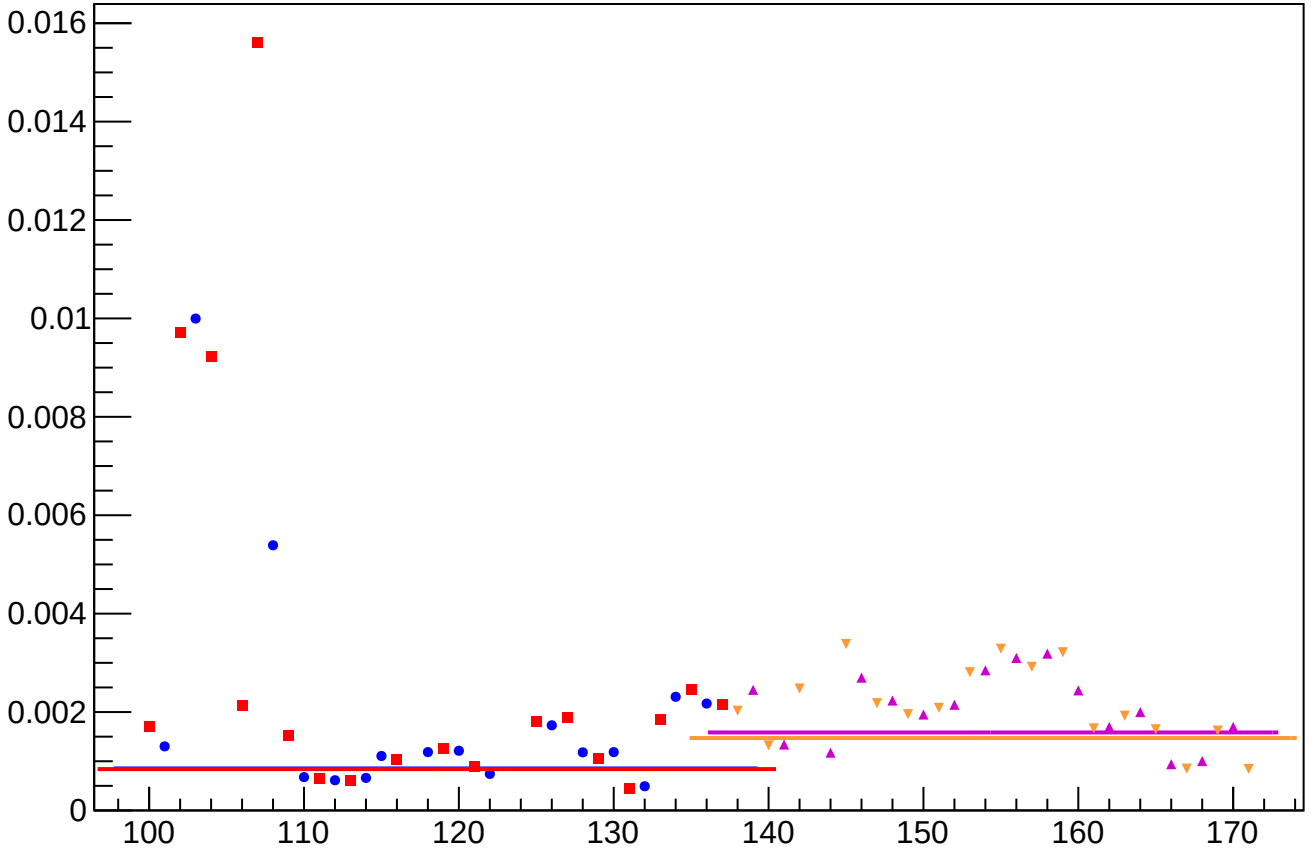
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:23.5/31

Out: -0.000+/-0.000 χ^2/NDF:84.2/34

All: -0.000+/-0.000 χ^2/NDF: 111.0/66

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:4848372.5/16

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.002+/-0.000 χ^2/NDF:3510070.0/15

Left: 0.002+/-0.000 χ^2/NDF: 8418576.9/32

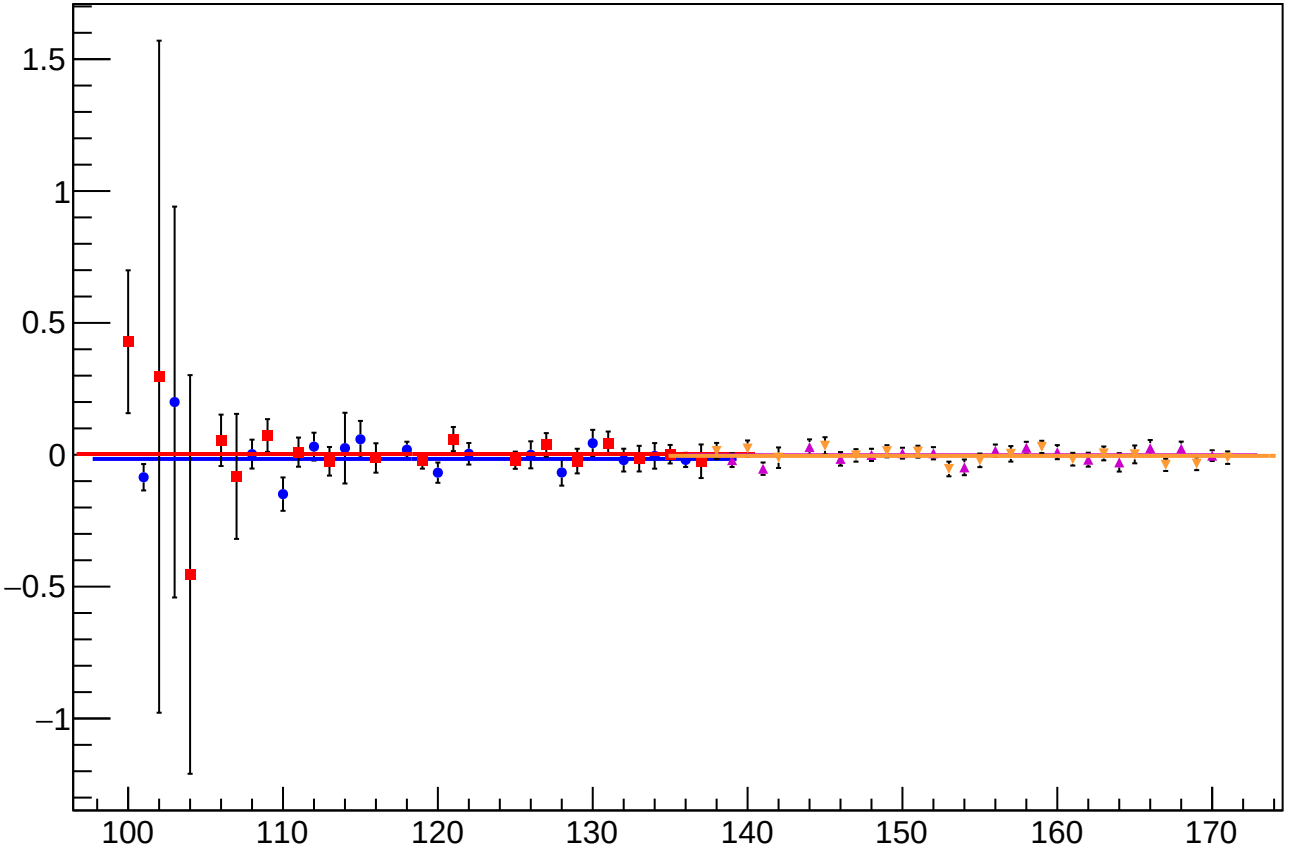
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10246586.8/31

Out: 0.001+/-0.000 χ^2/NDF:12102173.3/34

All: 0.001+/-0.000 χ^2/NDF: 22350154.8/66

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:14.2/15

Left: -0.003+/-0.004 χ^2/NDF: 27.9/32

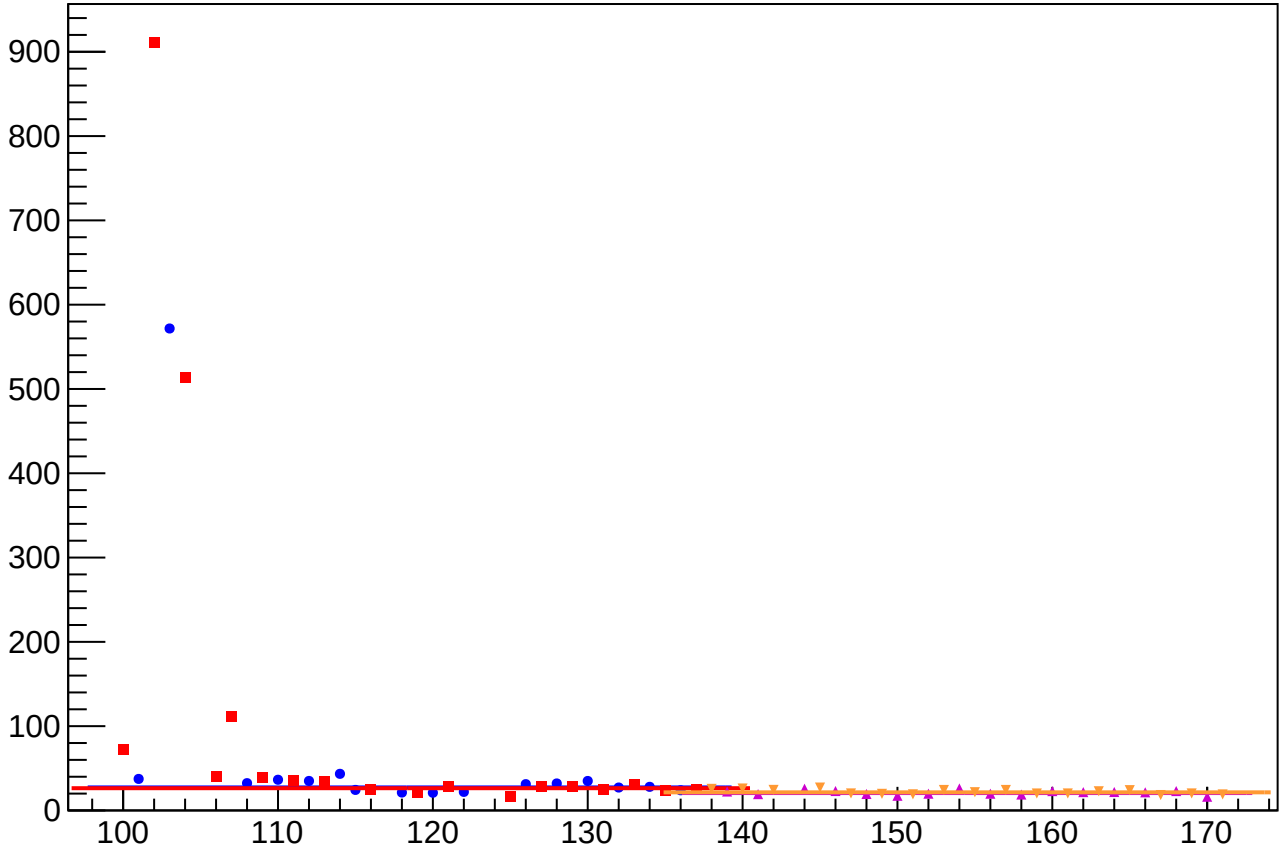
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.003+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/66

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: 20.649+/-0.004 χ^2/NDF:363536.7/15

Left: 21.060+/-0.003 χ^2/NDF: 704471.8/32

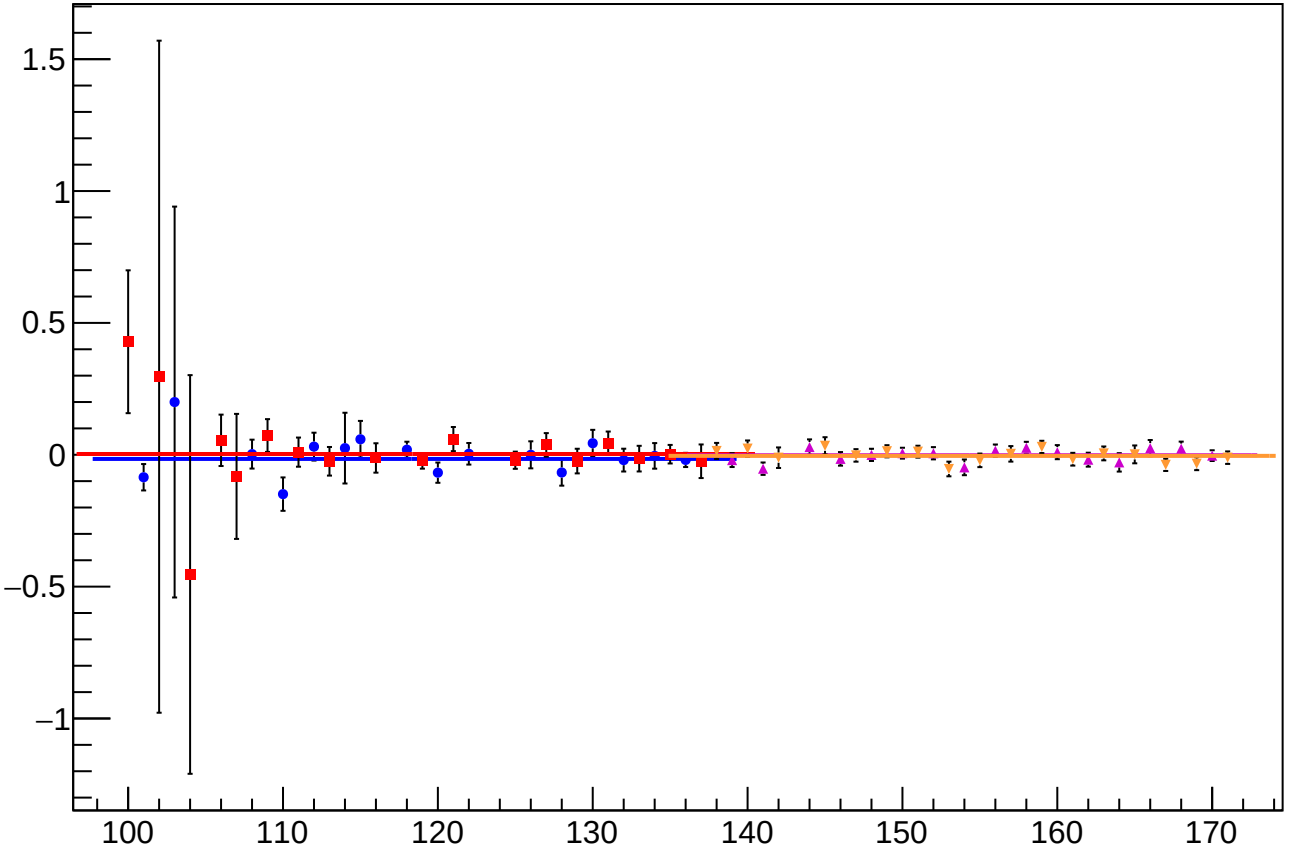
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.161+/-0.004 χ^2/NDF:2444315.3/31

Out: 22.572+/-0.004 χ^2/NDF:3198222.0/34

All: 22.362+/-0.003 χ^2/NDF: 5647964.7/66

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:14.2/15

Left: -0.003+/-0.004 χ^2/NDF: 27.9/32

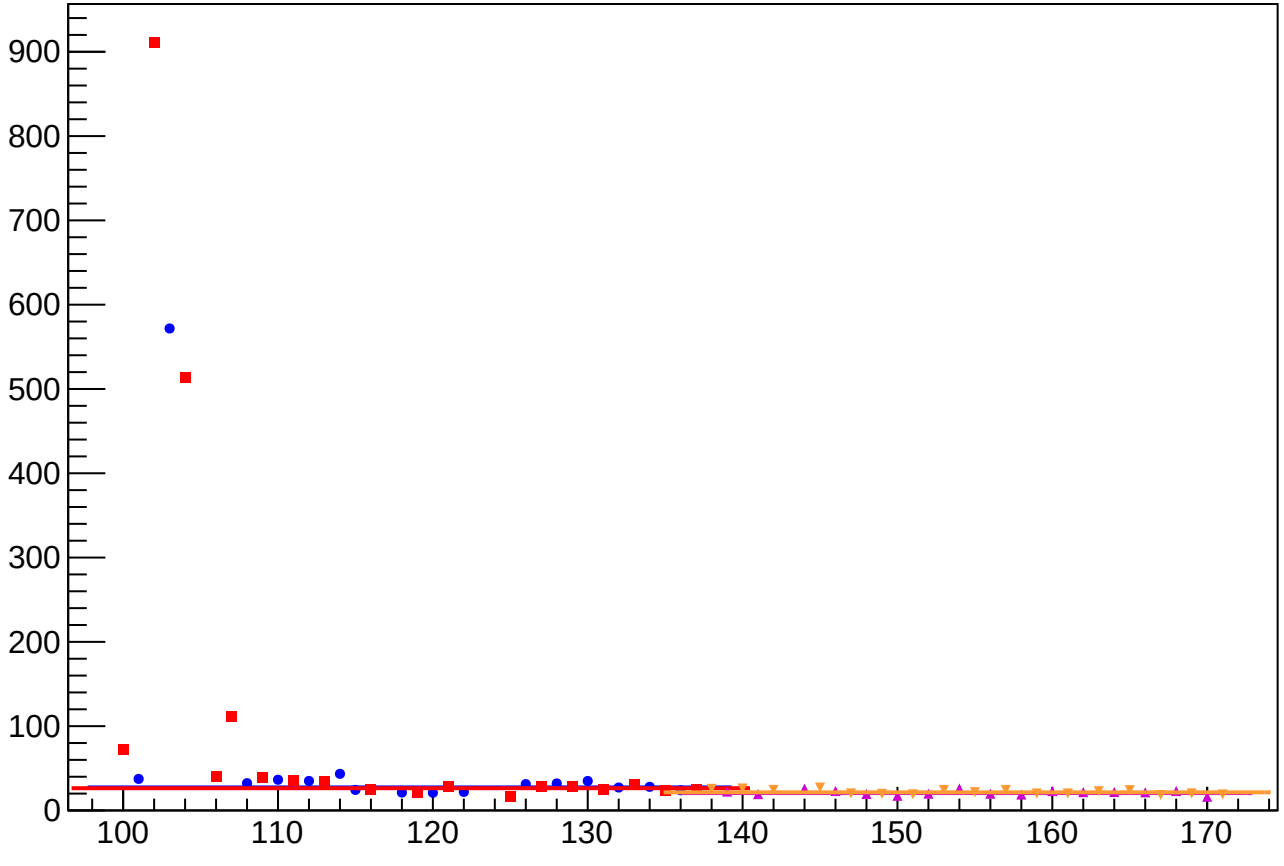
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.005+/-0.006 χ^2/NDF:30.0/31

Out: -0.003+/-0.006 χ^2/NDF:23.7/34

All: -0.004+/-0.004 χ^2/NDF: 53.8/66

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: 20.649+/-0.004 χ^2/NDF:363536.7/15

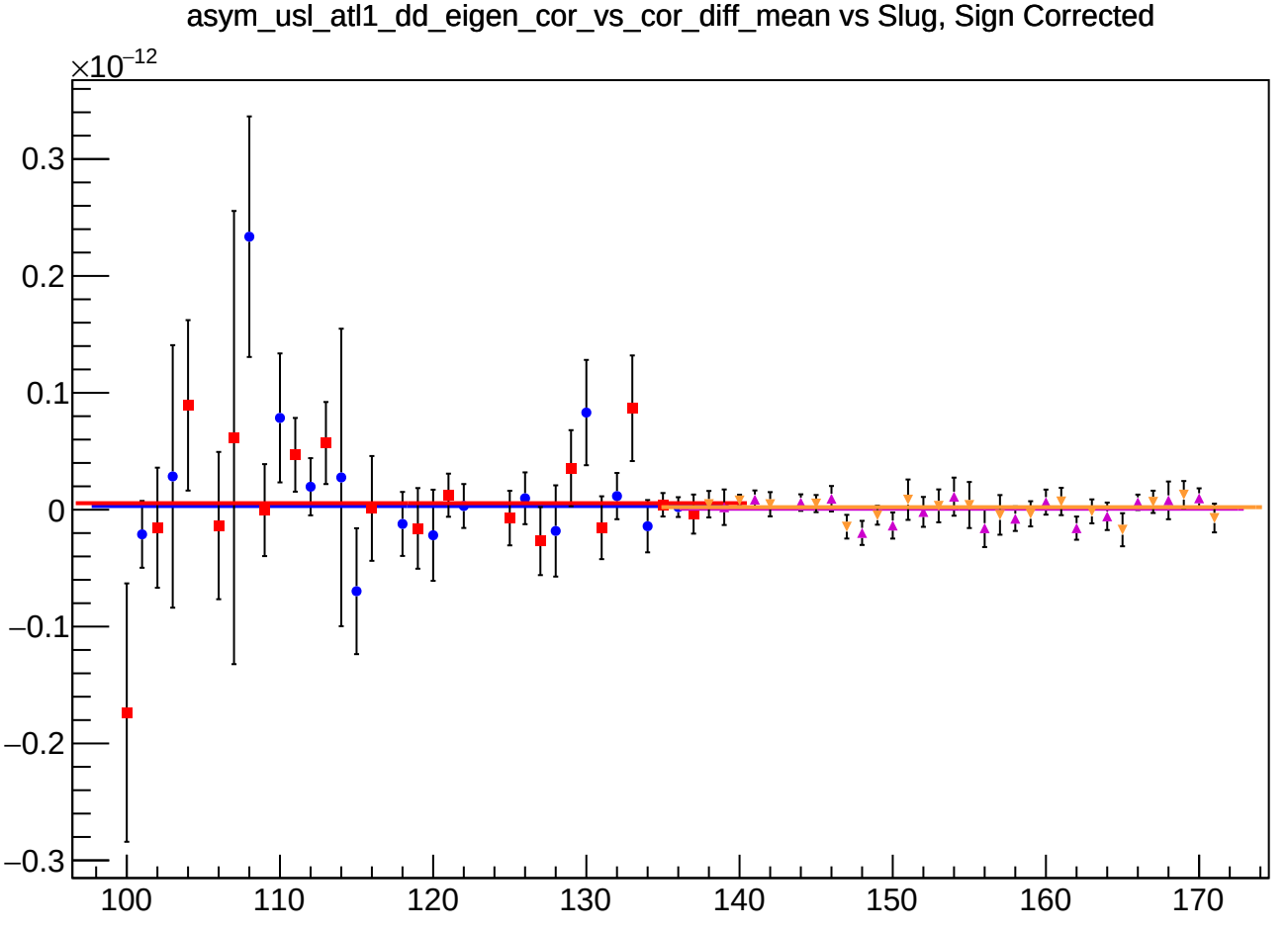
Left: 21.060+/-0.003 χ^2/NDF: 704471.8/32

Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 22.161+/-0.004 χ^2/NDF:2444315.3/31

Out: 22.572+/-0.004 χ^2/NDF:3198222.0/34

All: 22.362+/-0.003 χ^2/NDF: 5647964.7/66



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:15.4/15

Left: 0.000+/-0.000 χ^2/NDF: 25.0/32

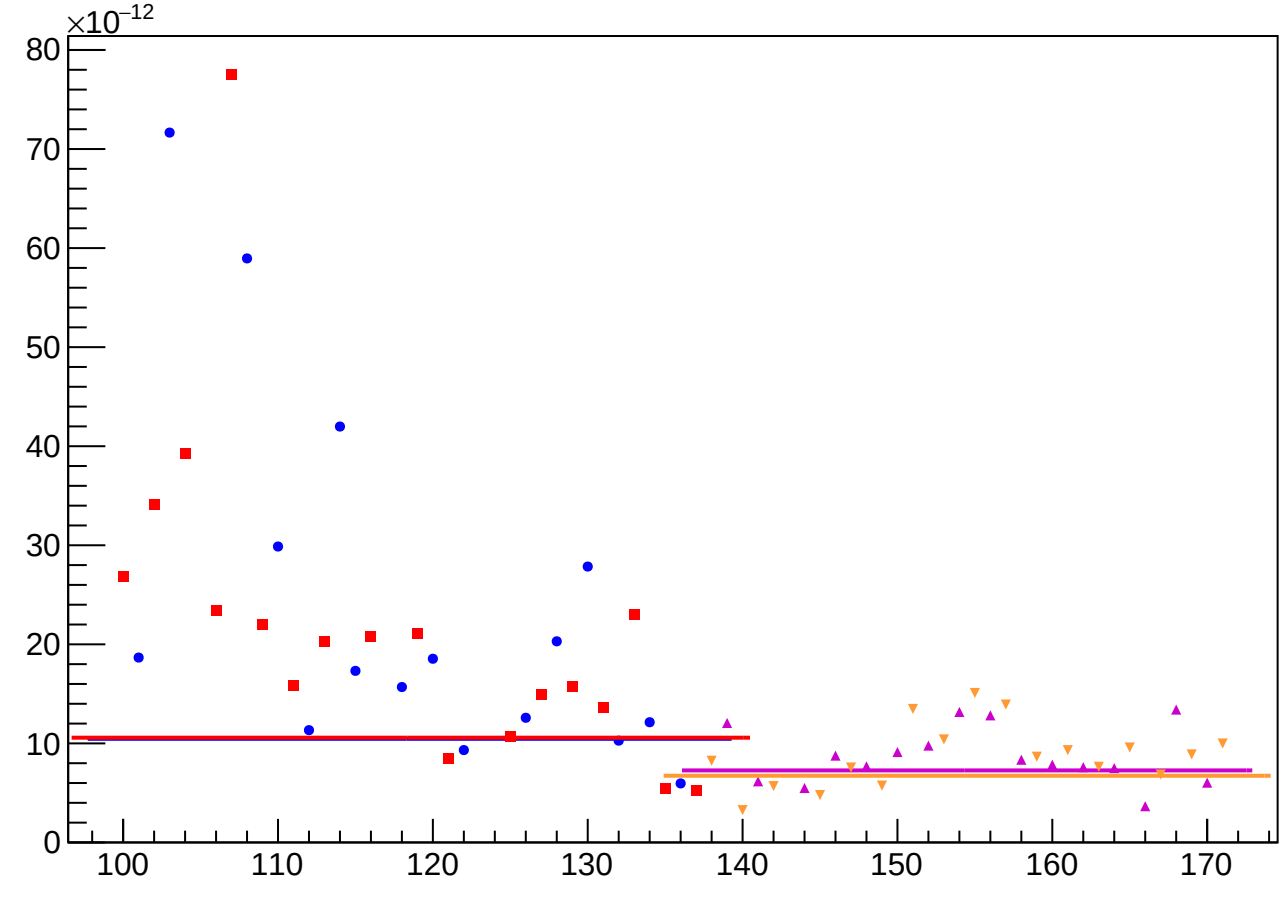
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: 0.000+/-0.000 χ^2/NDF:30.6/31

Out: 0.000+/-0.000 χ^2/NDF:25.0/34

All: 0.000+/-0.000 χ^2/NDF: 55.8/66

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:2001746.1/15

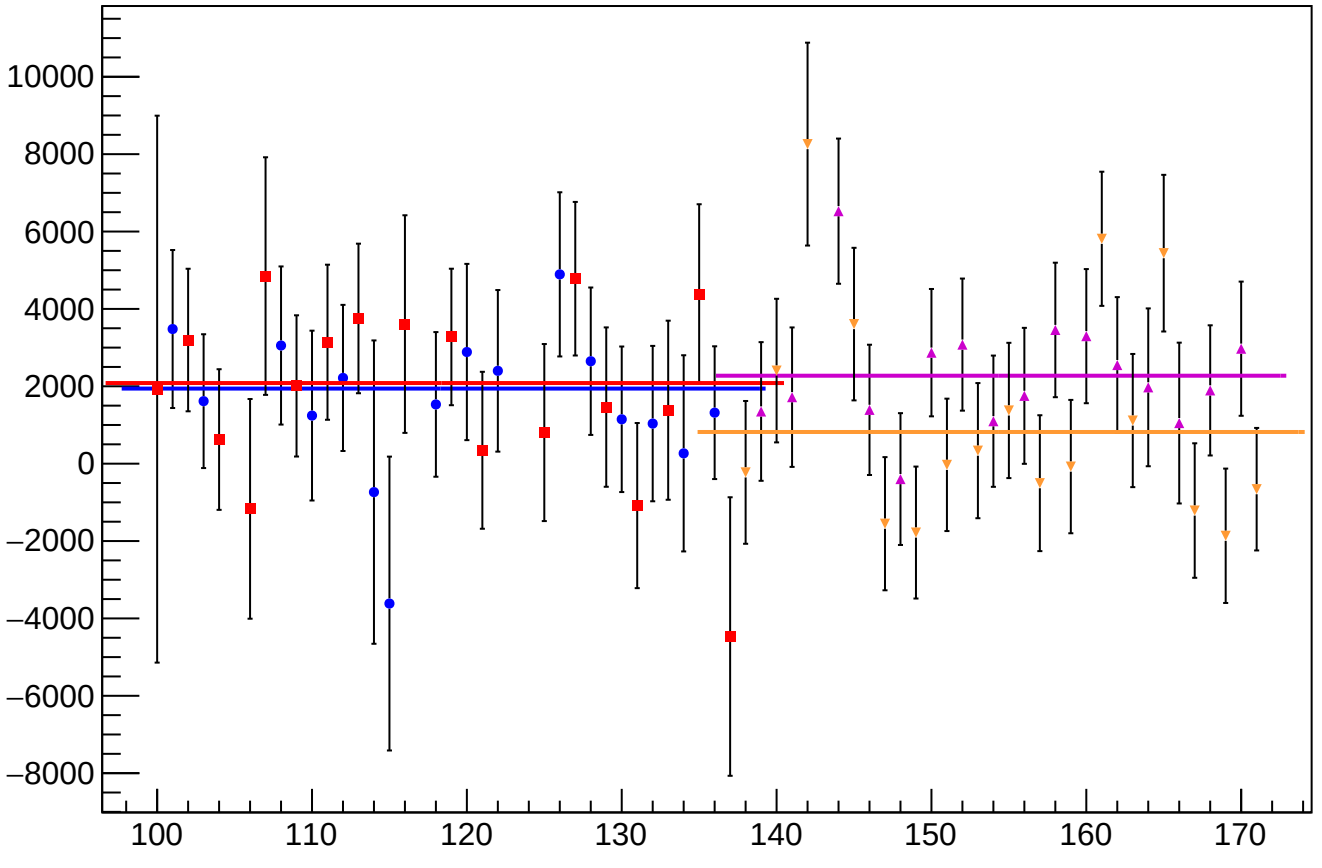
Left: 0.000+/-0.000 χ^2/NDF: 4909662.4/32

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5314273.9/31

Out: 0.000+/-0.000 χ^2/NDF:6320516.1/34

All: 0.000+/-0.000 χ^2/NDF: 11689762.5/66



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: 2273.528+/-441.519 χ^2/NDF:10.6/15

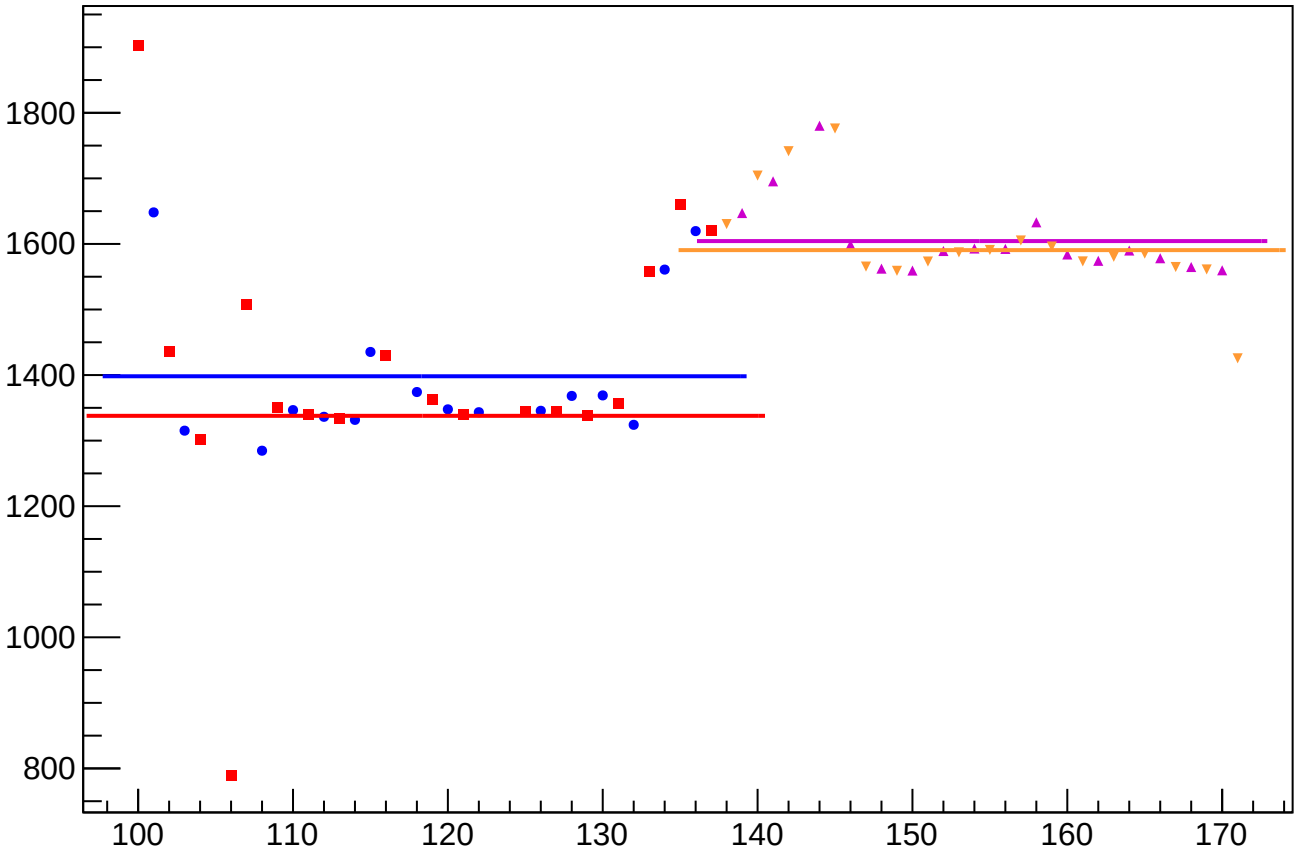
Left: 1534.330+/-309.625 χ^2/NDF: 50.8/32

Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2134.891+/-337.152 χ^2/NDF:17.7/31

Out: 1339.328+/-333.234 χ^2/NDF:52.7/34

All: 1732.461+/-237.005 χ^2/NDF: 73.3/66



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: 1604.364+/-0.312 χ^2/NDF:31154.0/15

Left: 1597.356+/-0.219 χ^2/NDF: 89417.6/32

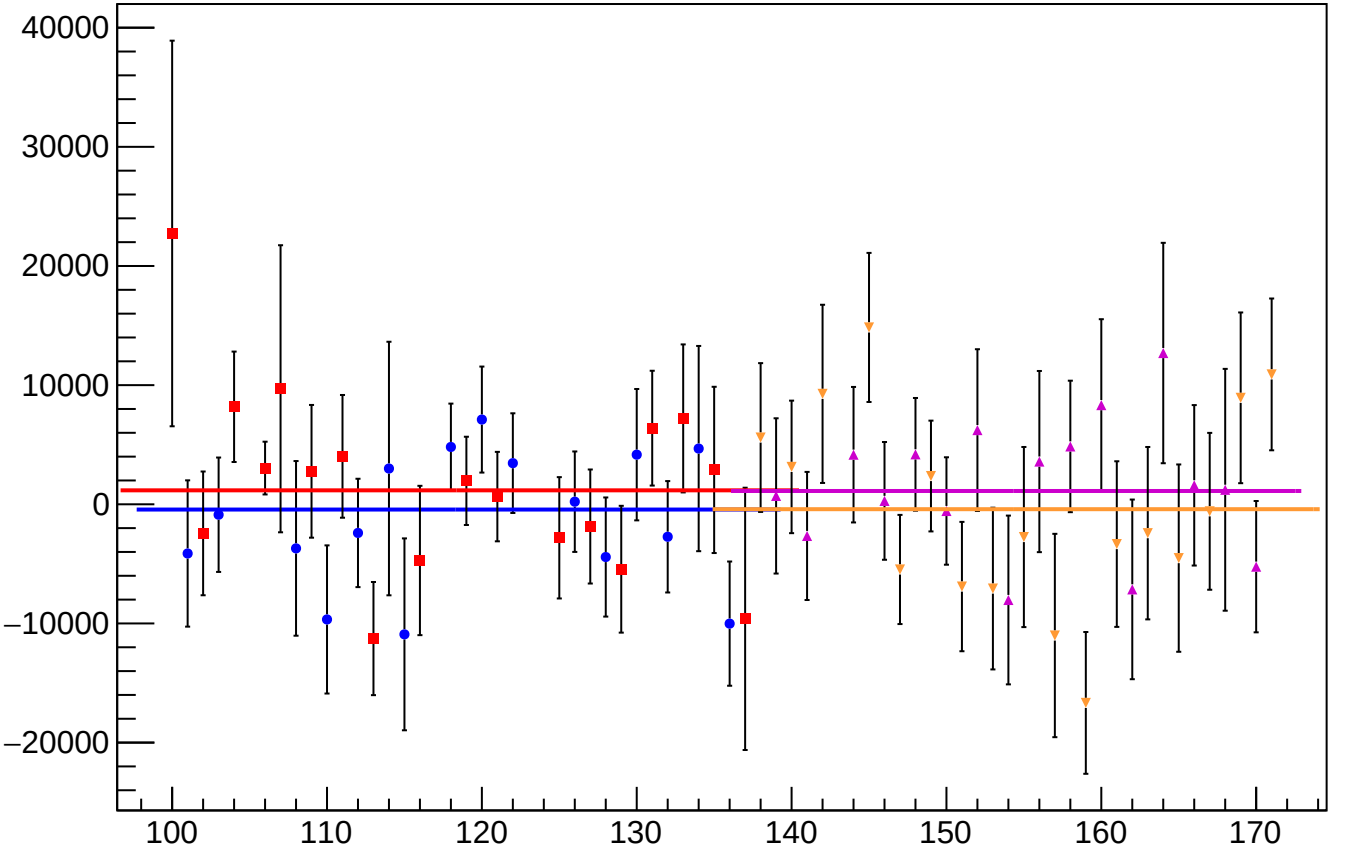
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1518.400+/-0.238 χ^2/NDF:306940.0/31

Out: 1482.698+/-0.233 χ^2/NDF:664123.5/34

All: 1500.103+/-0.166 χ^2/NDF: 982557.8/66

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: 1116.601+/-1526.811 χ^2/NDF:9.3/15

Left: 348.727+/-1076.673 χ^2/NDF: 37.2/32

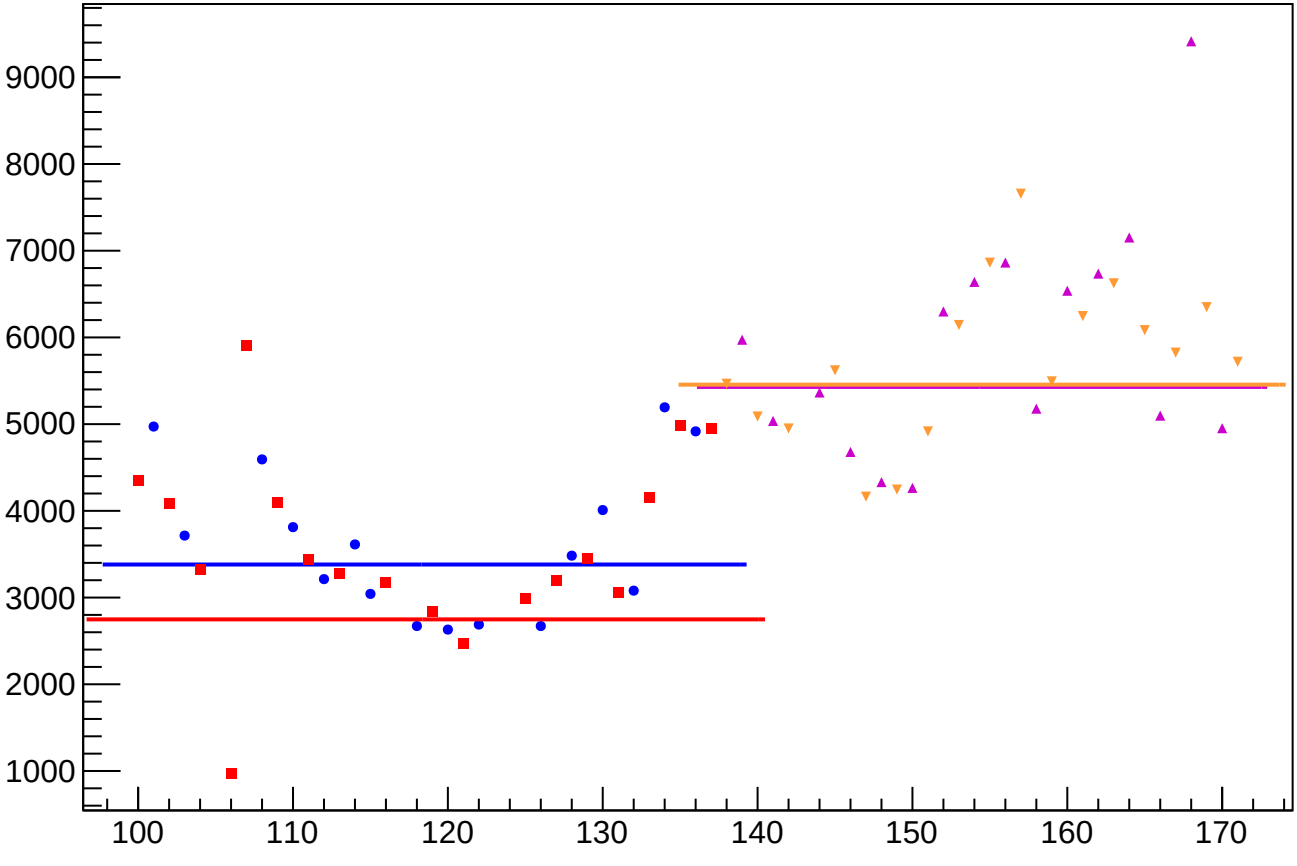
Right: 482.092+/-847.335 χ^2/NDF: 36.5/33

In: 211.158+/-988.007 χ^2/NDF:25.8/31

Out: 614.100+/-901.294 χ^2/NDF:47.8/34

All: 431.084+/-665.861 χ^2/NDF: 73.7/66

asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5455.227+/-1.074 χ^2/NDF:688214.3/16

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5429.317+/-1.080 χ^2/NDF:983971.7/15

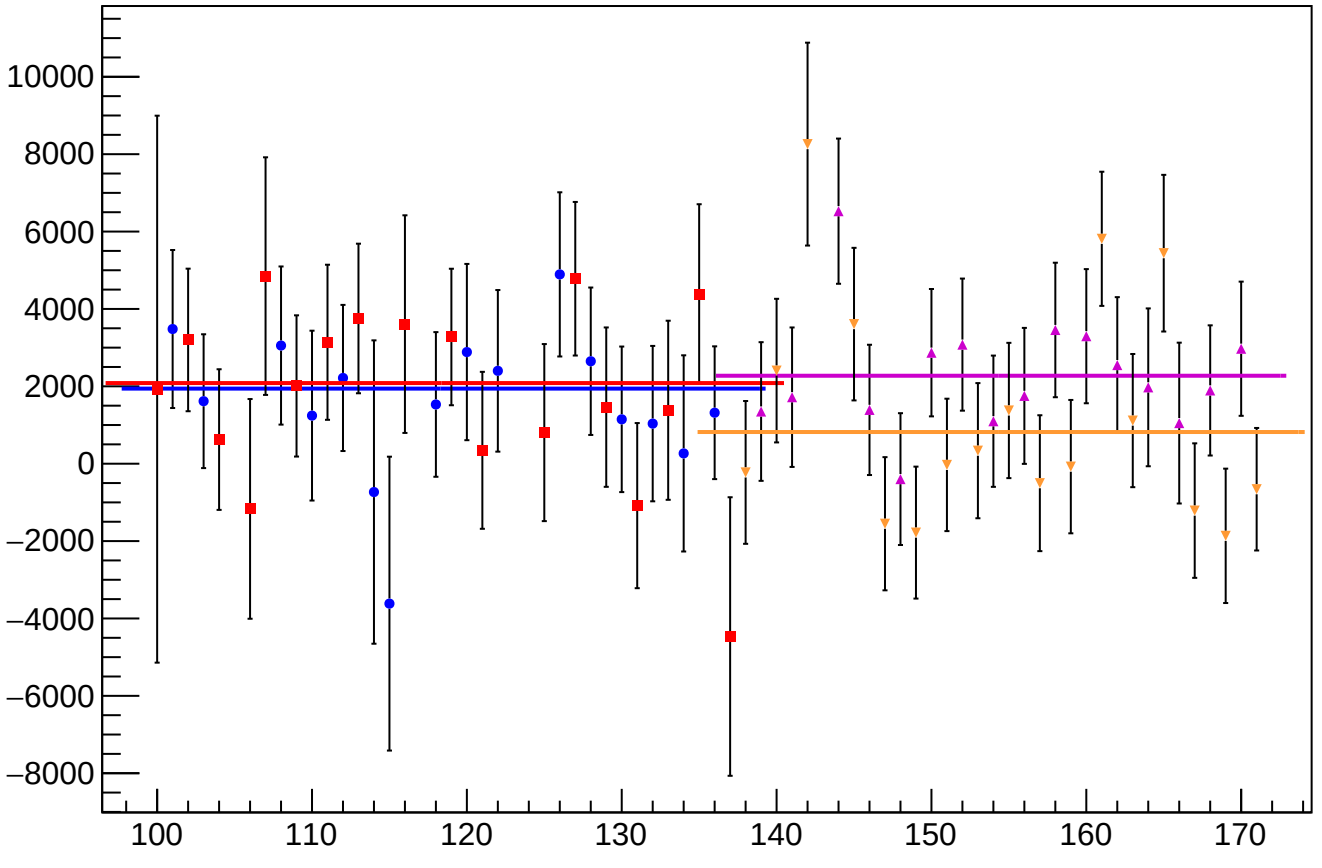
Left: 5442.343+/-0.761 χ^2/NDF: 1672475.5/32

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4238.791+/-0.699 χ^2/NDF:3833162.2/31

Out: 3701.961+/-0.637 χ^2/NDF:7069064.8/34

All: 3945.789+/-0.471 χ^2/NDF: 11224495.8/6



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: 2273.641+/-441.519 χ^2/NDF:10.6/15

Left: 1534.396+/-309.625 χ^2/NDF: 50.8/32

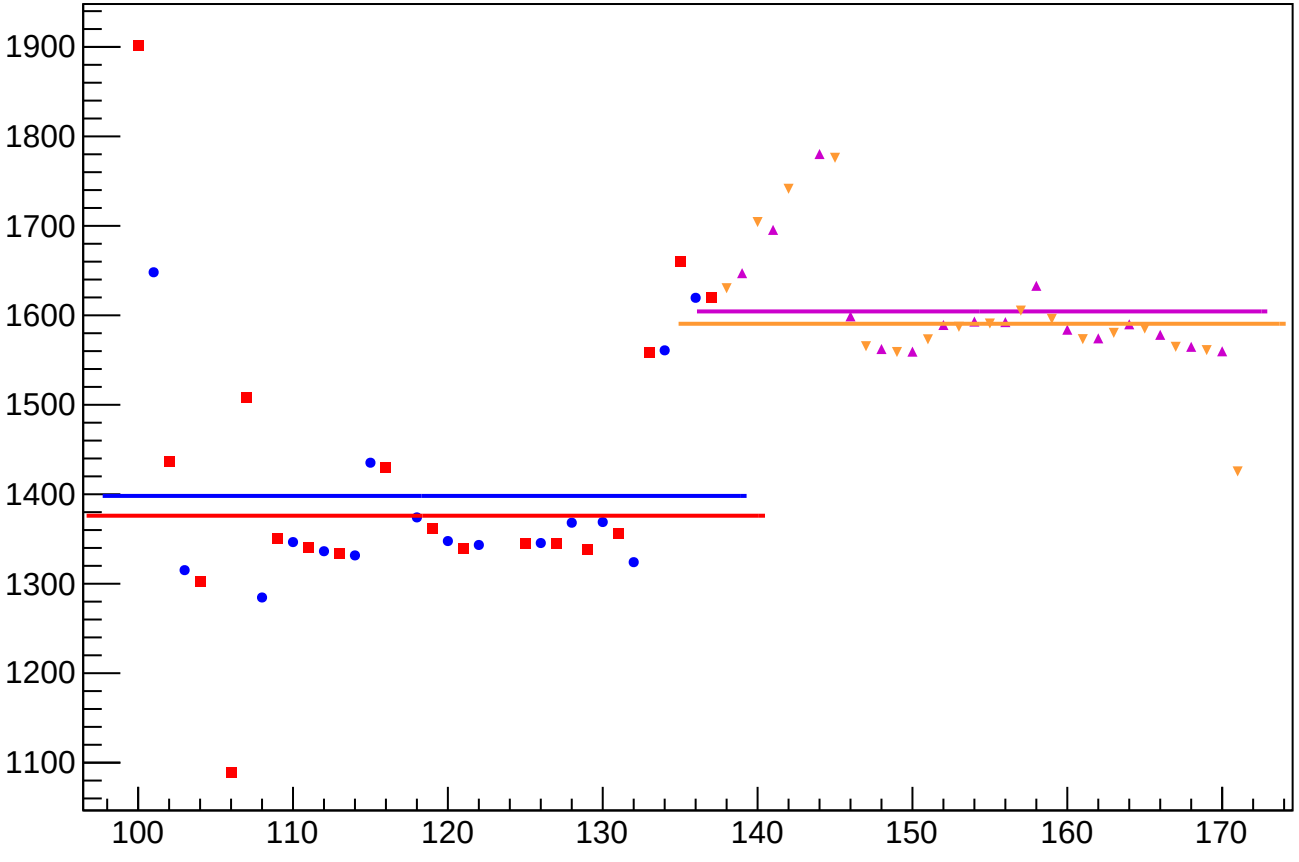
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2134.980+/-337.152 χ^2/NDF:17.7/31

Out: 1339.425+/-333.235 χ^2/NDF:52.7/34

All: 1732.555+/-237.005 χ^2/NDF: 73.3/66

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: 1604.364+/-0.312 χ^2/NDF:31154.0/15

Left: 1597.356+/-0.219 χ^2/NDF: 89417.6/32

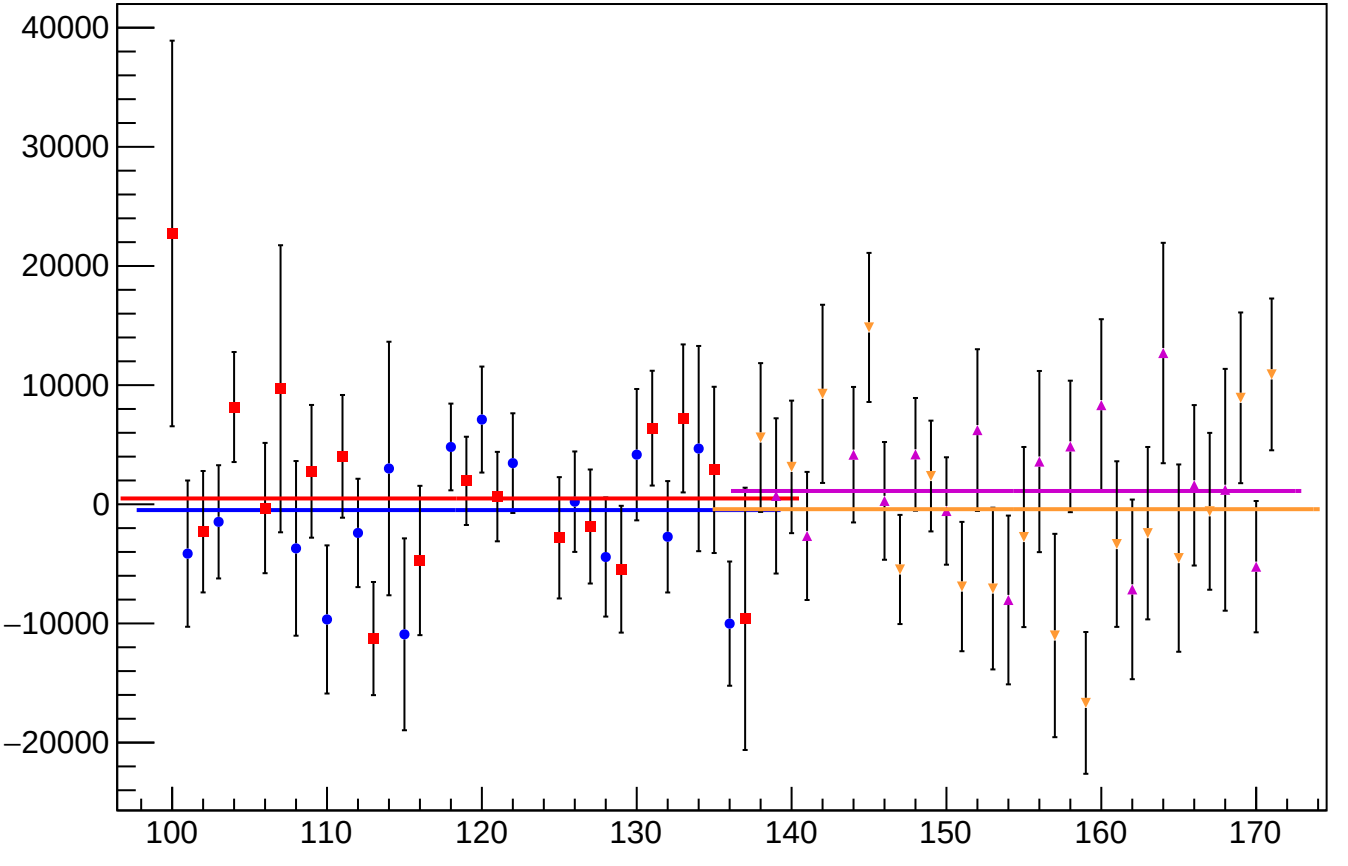
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1518.400+/-0.238 χ^2/NDF:306940.2/31

Out: 1500.930+/-0.234 χ^2/NDF:375226.5/34

All: 1509.514+/-0.167 χ^2/NDF: 684898.1/66

asym_usl_atl2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -410.855+/-1518.514 χ^2/NDF:27.4/16

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 1116.696+/-1526.809 χ^2/NDF:9.3/15

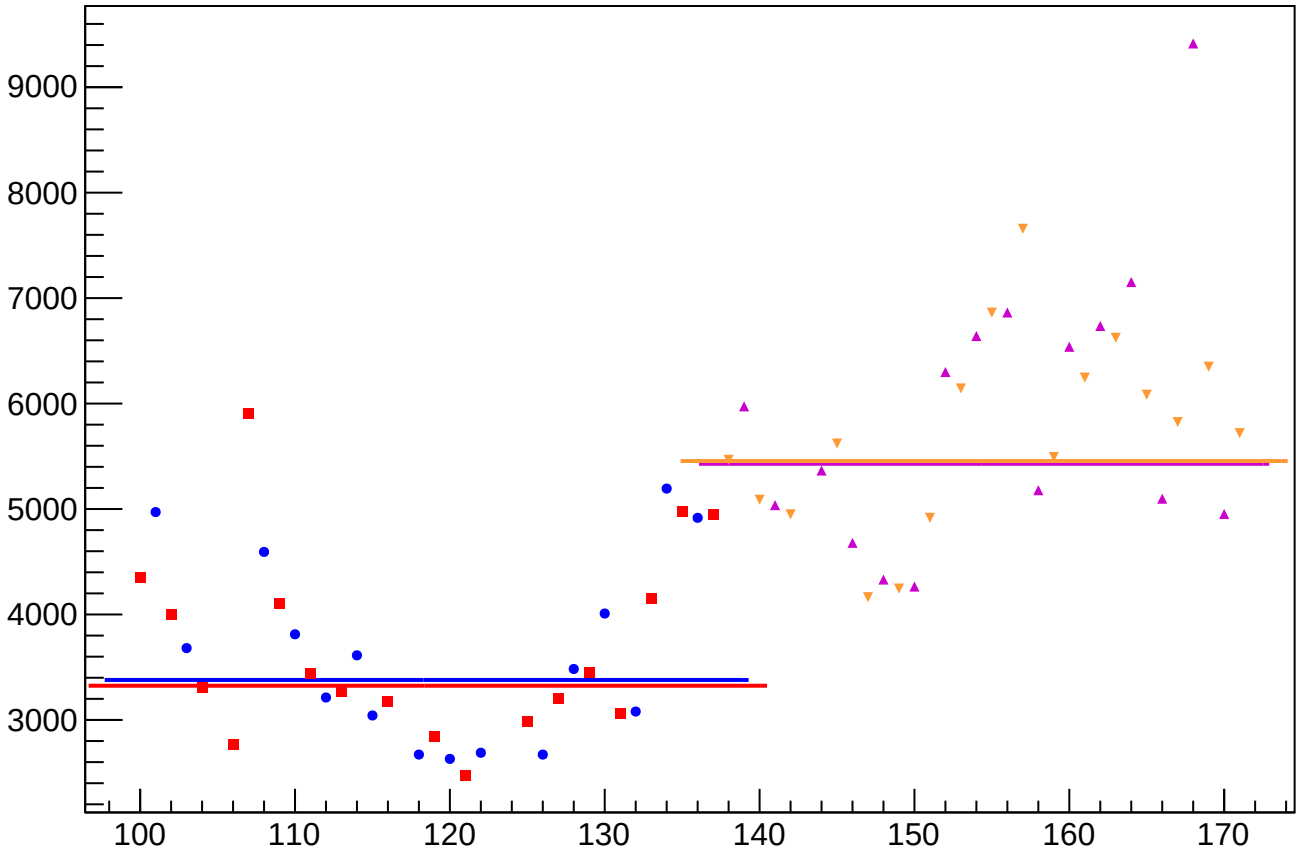
Left: 348.760+/-1076.672 χ^2/NDF: 37.2/32

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 184.201+/-987.570 χ^2/NDF:25.9/31

Out: 121.383+/-970.260 χ^2/NDF:46.3/34

All: 152.237+/-692.116 χ^2/NDF: 72.2/66



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: 5429.311+/-1.080 χ^2/NDF:983982.1/15

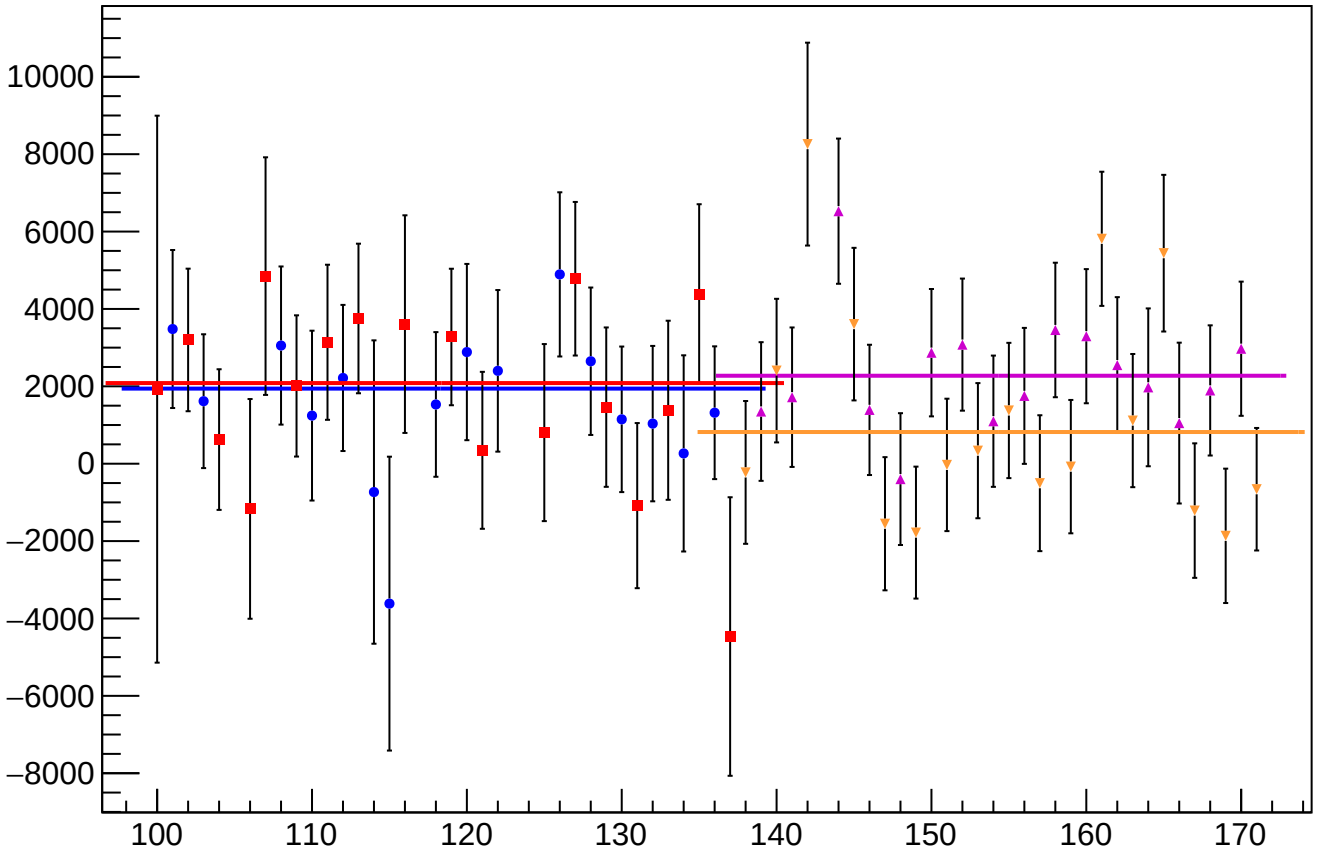
Left: 5442.341+/-0.761 χ^2/NDF: 1672483.0/32

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4236.864+/-0.698 χ^2/NDF:3836793.8/31

Out: 4194.366+/-0.686 χ^2/NDF:3562255.3/34

All: 4215.239+/-0.489 χ^2/NDF: 7400933.6/66



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: 2273.641+/-441.519 χ^2/NDF:10.6/15

Left: 1534.396+/-309.625 χ^2/NDF: 50.8/32

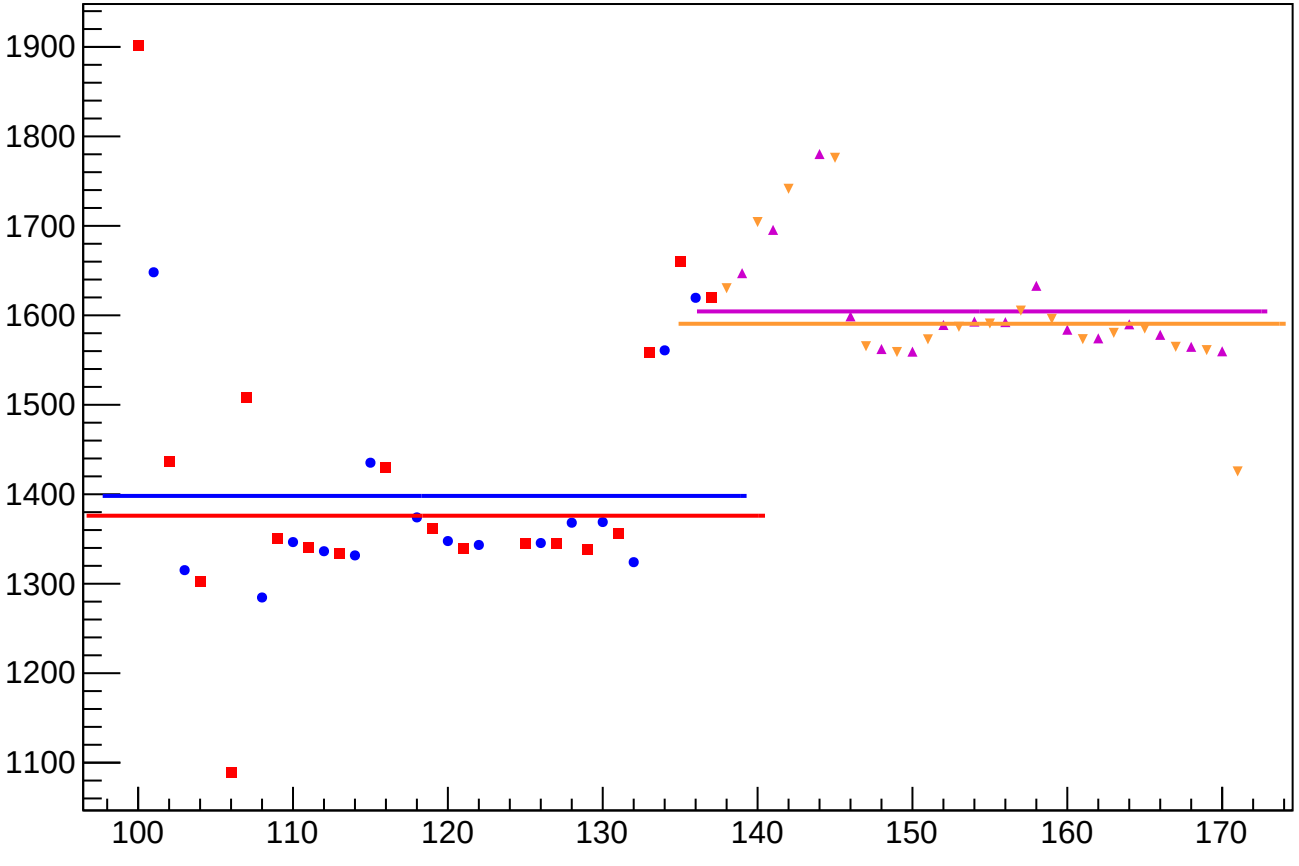
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2134.980+/-337.152 χ^2/NDF:17.7/31

Out: 1339.425+/-333.235 χ^2/NDF:52.7/34

All: 1732.555+/-237.005 χ^2/NDF: 73.3/66

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: 1604.364+/-0.312 χ^2/NDF:31154.0/15

Left: 1597.356+/-0.219 χ^2/NDF: 89417.6/32

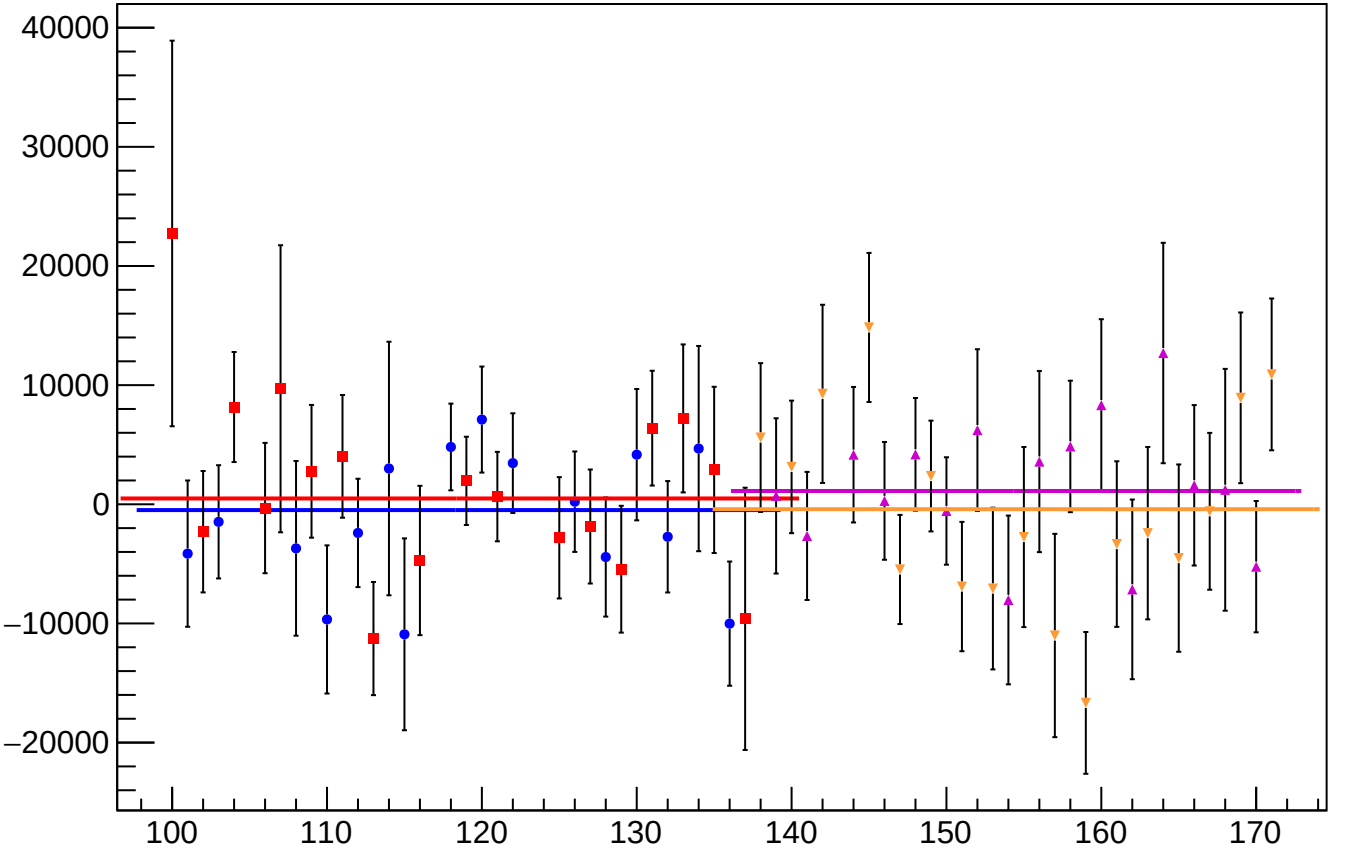
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1518.400+/-0.238 χ^2/NDF:306940.2/31

Out: 1500.930+/-0.234 χ^2/NDF:375226.5/34

All: 1509.514+/-0.167 χ^2/NDF: 684898.1/66

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: 1116.696+/-1526.809 χ^2/NDF:9.3/15

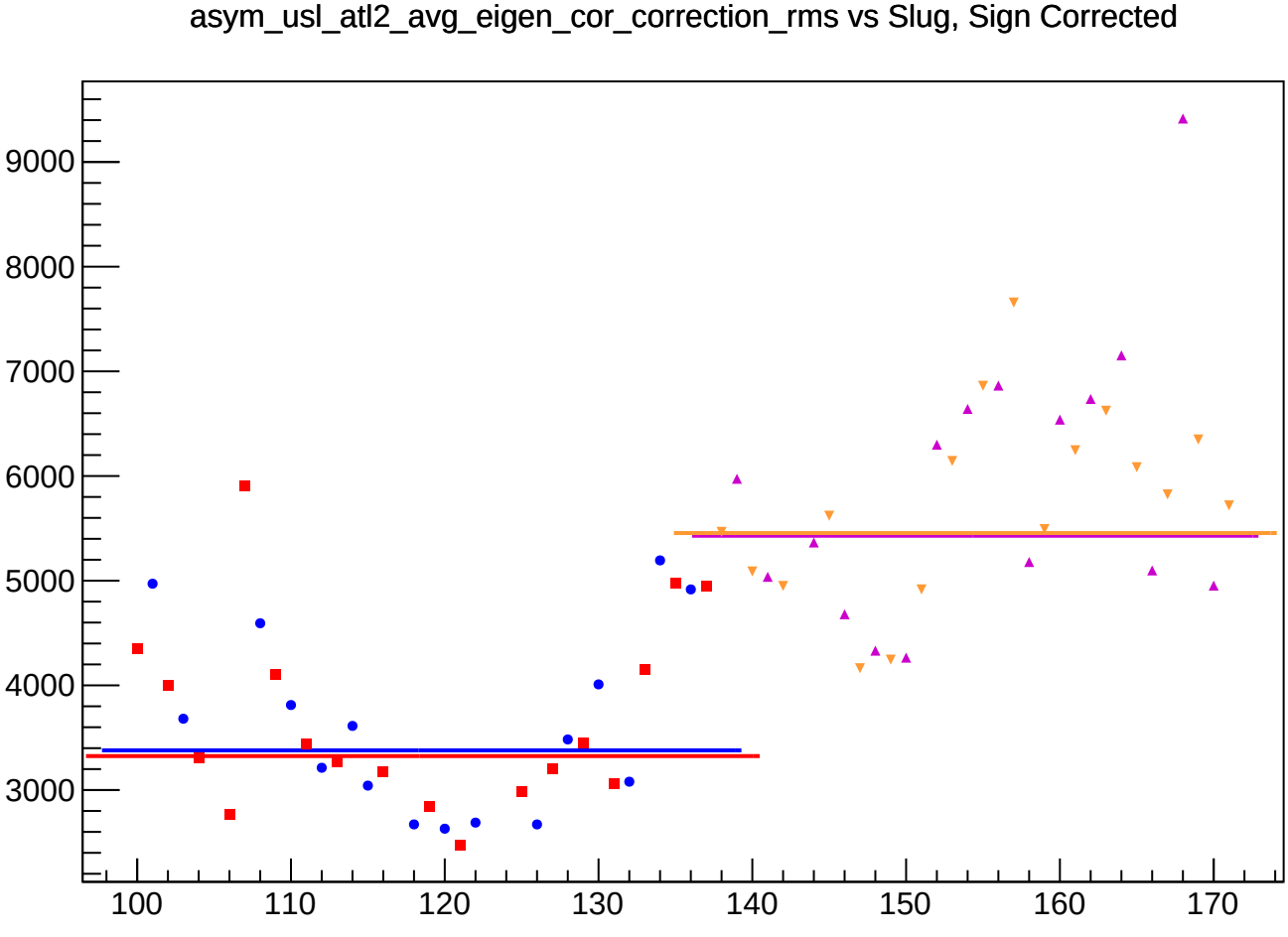
Left: 348.760+/-1076.672 χ^2/NDF: 37.2/32

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: 184.201+/-987.570 χ^2/NDF:25.9/31

Out: 121.383+/-970.260 χ^2/NDF:46.3/34

All: 152.237+/-692.116 χ^2/NDF: 72.2/66



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: 5429.311+/-1.080 χ^2/NDF:983982.1/15

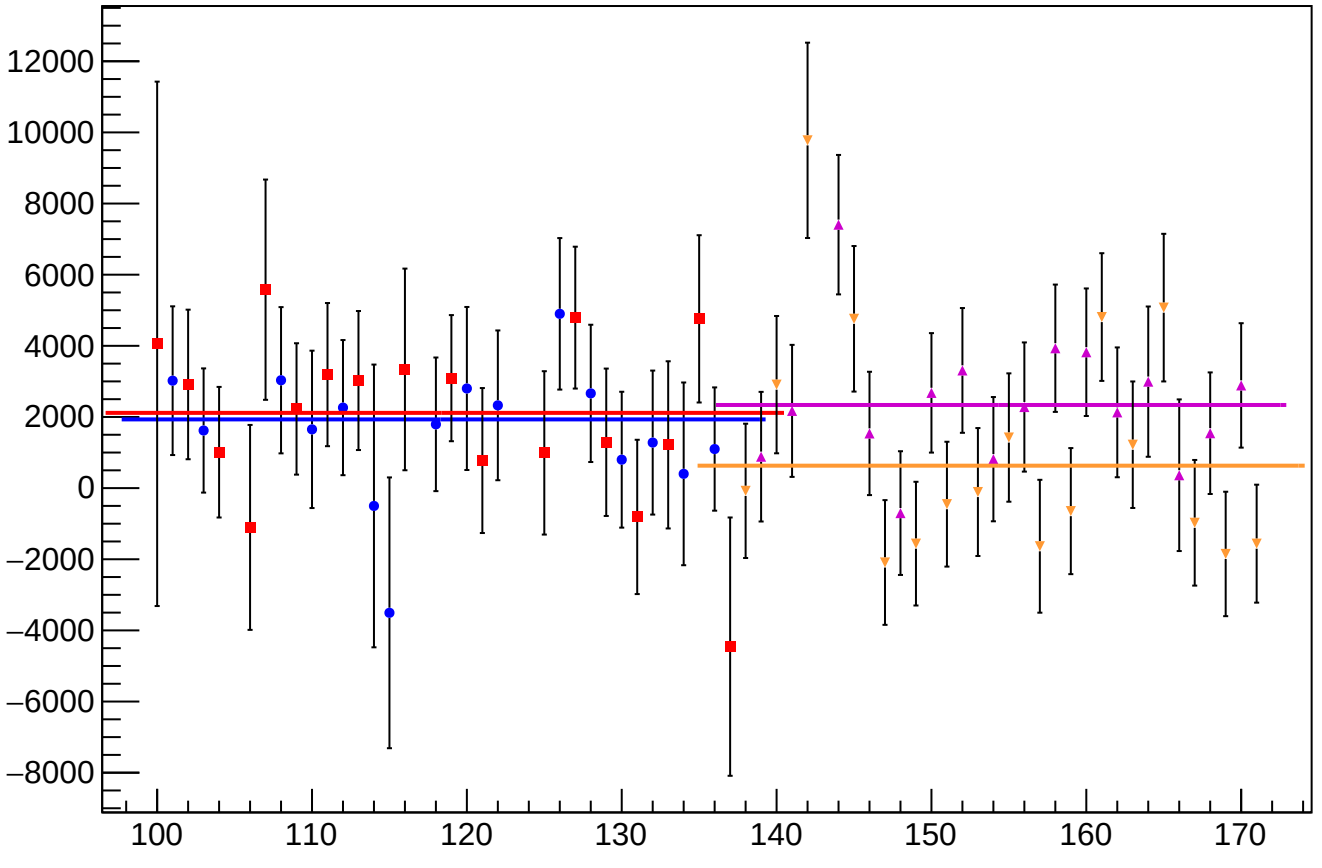
Left: 5442.341+/-0.761 χ^2/NDF: 1672483.0/32

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4236.864+/-0.698 χ^2/NDF:3836793.8/31

Out: 4194.366+/-0.686 χ^2/NDF:3562255.3/34

All: 4215.239+/-0.489 χ^2/NDF: 7400933.6/66



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: 2337.139+/-453.463 χ^2/NDF:14.5/15

Left: 1472.762+/-318.528 χ^2/NDF: 59.8/32

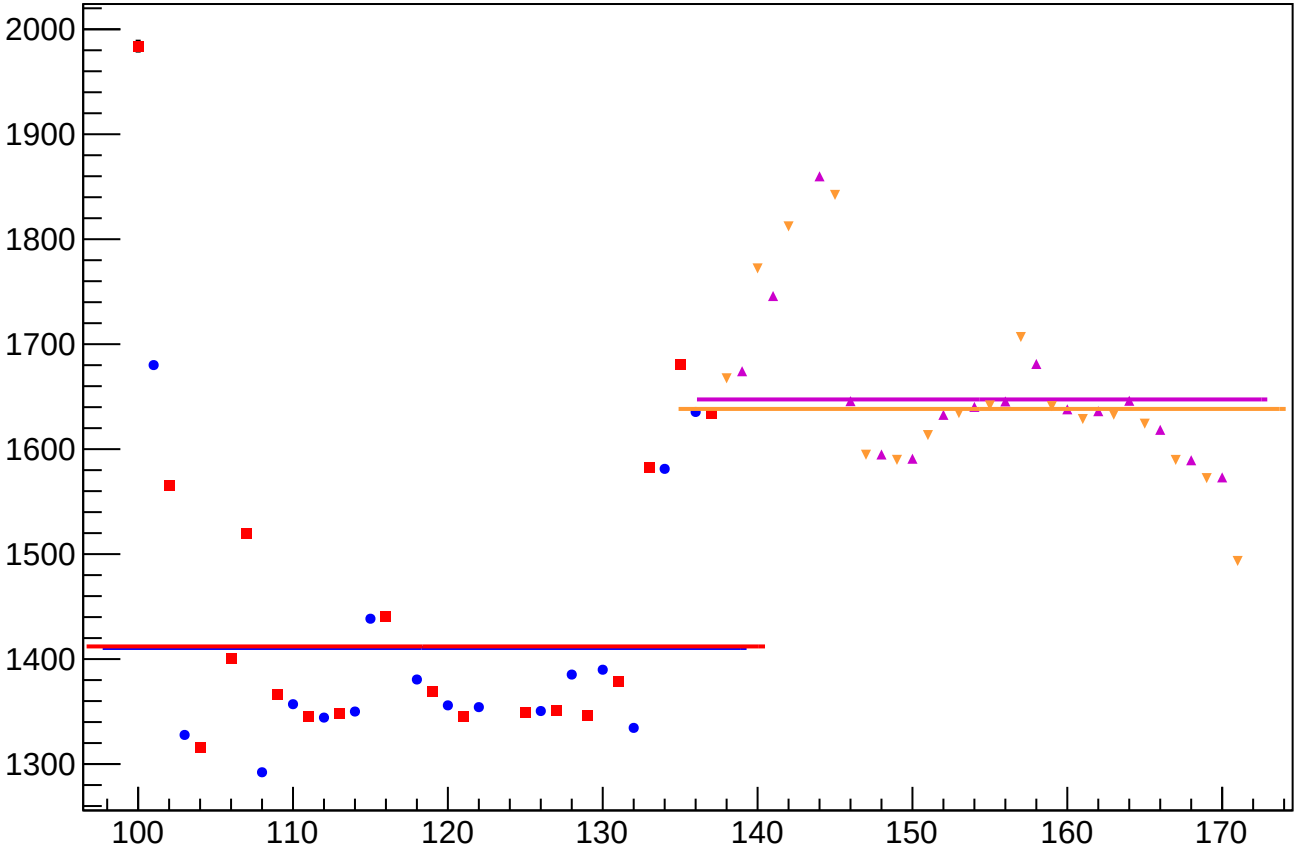
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2164.640+/-343.768 χ^2/NDF:21.2/31

Out: 1250.316+/-341.612 χ^2/NDF:55.9/34

All: 1704.602+/-242.315 χ^2/NDF: 80.7/66

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



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: 1647.355+/-0.321 χ^2/NDF:40959.6/15

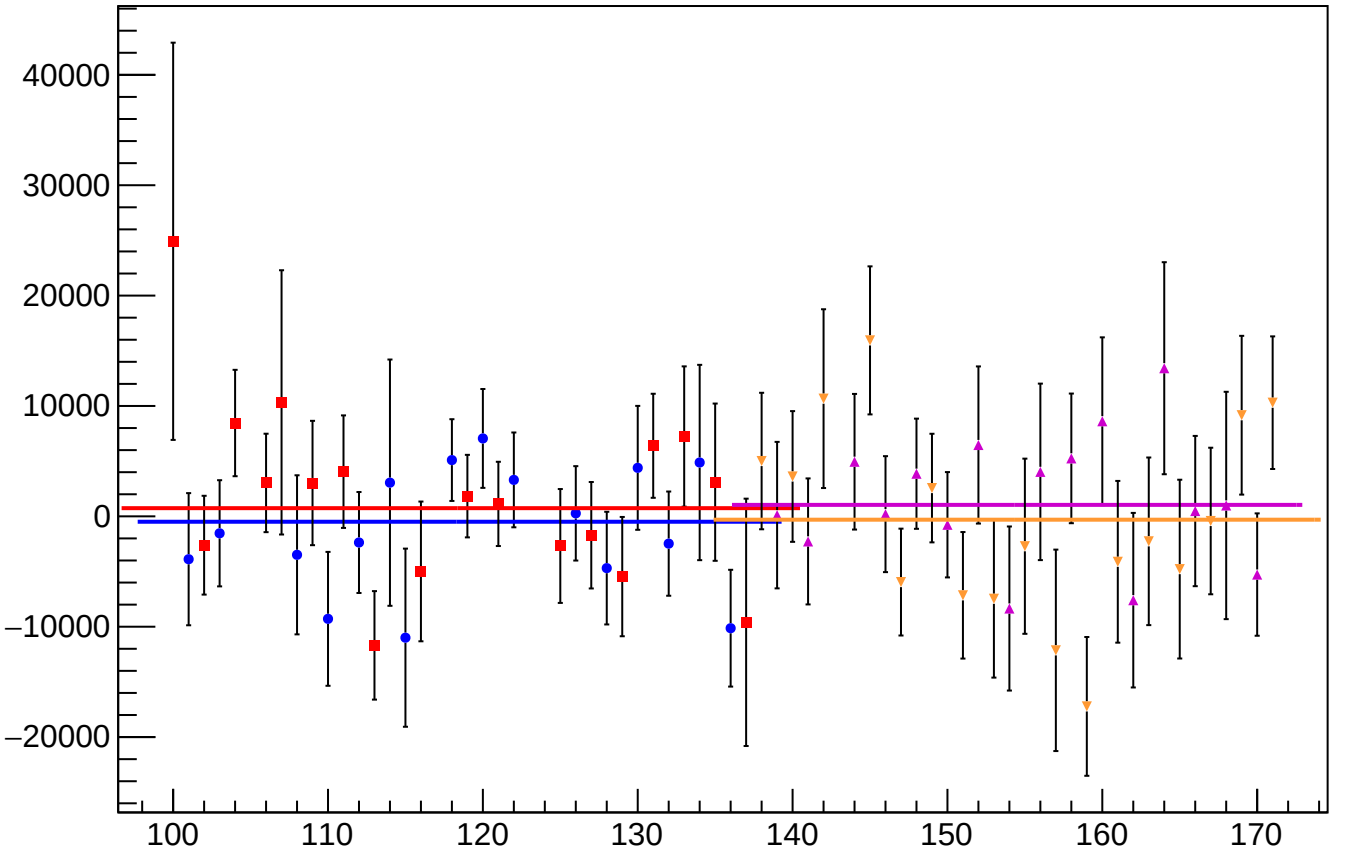
Left: 1642.774+/-0.225 χ^2/NDF: 105042.5/32

Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1546.663+/-0.243 χ^2/NDF:371981.7/31

Out: 1543.591+/-0.241 χ^2/NDF:367401.2/34

All: 1545.116+/-0.171 χ^2/NDF: 739463.3/66



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: 1038.036+/-1600.653 χ^2/NDF:9.2/15

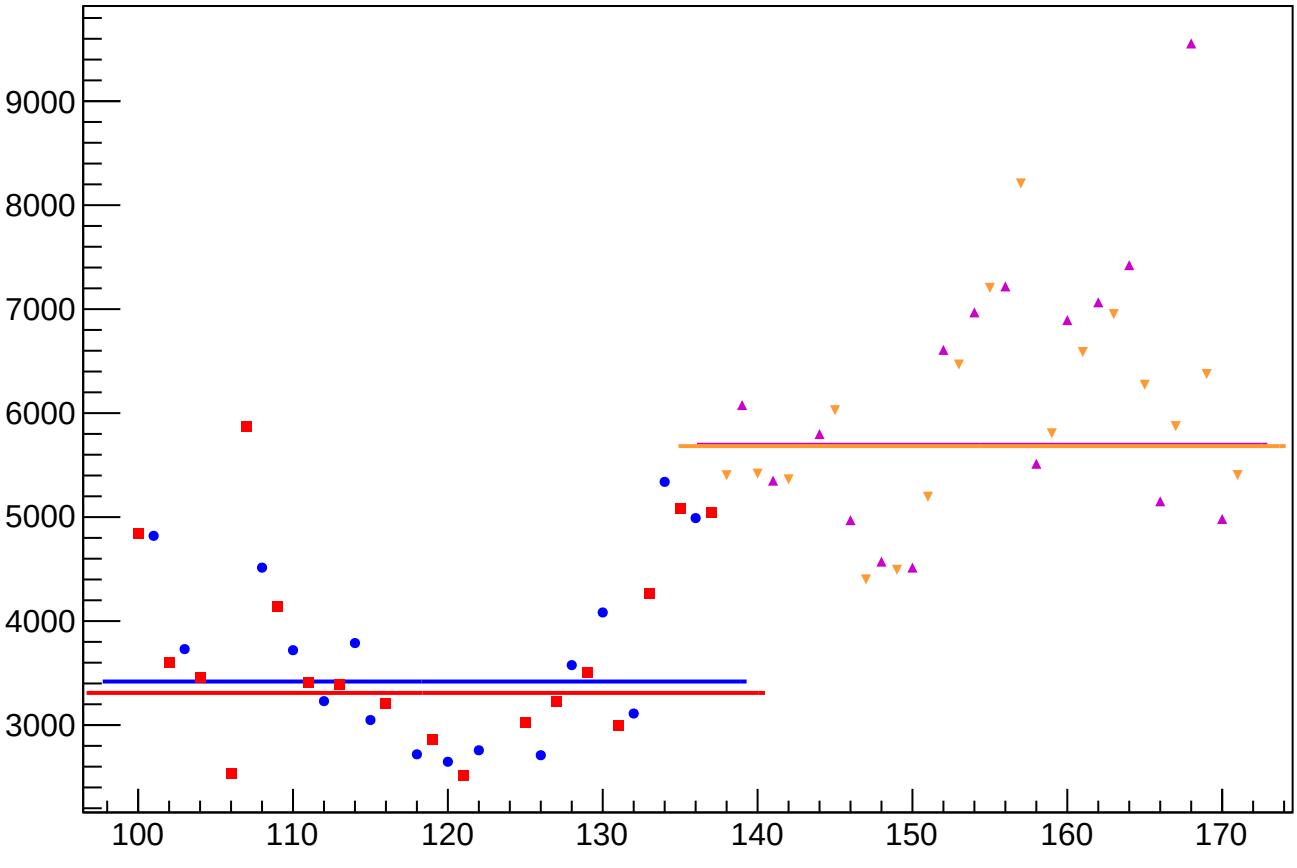
Left: 358.477+/-1124.660 χ^2/NDF: 37.1/32

Right: 154.802+/-903.143 χ^2/NDF: 35.5/33

In: 122.562+/-1013.161 χ^2/NDF:25.6/31

Out: 339.408+/-979.450 χ^2/NDF:47.0/34

All: 234.653+/-704.192 χ^2/NDF: 72.6/66



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: 5695.871+/-1.132 χ^2/NDF:943696.5/15

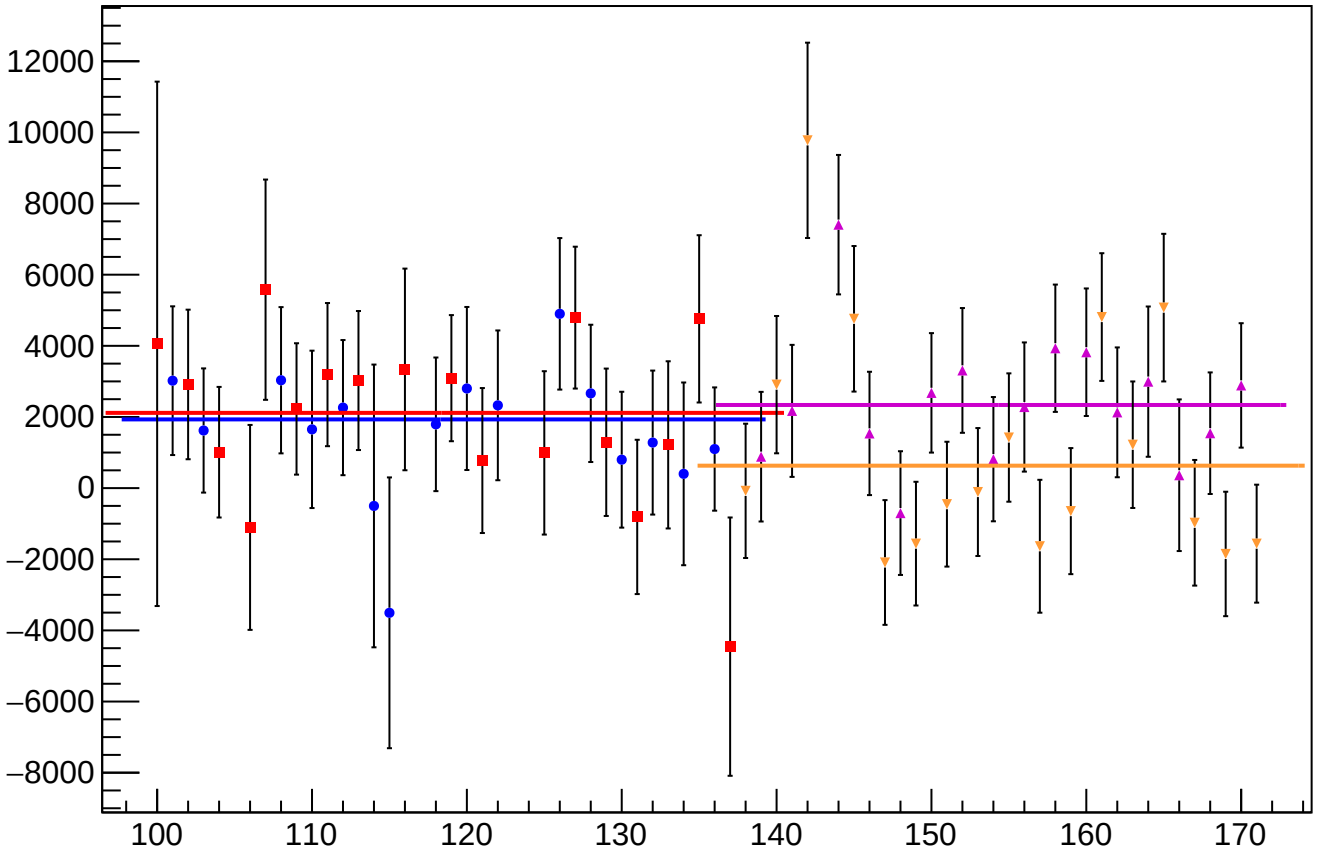
Left: 5689.222+/-0.795 χ^2/NDF: 1605200.4/32

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4331.043+/-0.716 χ^2/NDF:4091012.7/31

Out: 4220.613+/-0.693 χ^2/NDF:4011853.1/34

All: 4273.961+/-0.498 χ^2/NDF: 8115147.7/66



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: 2337.141+/-453.463 χ^2/NDF:14.5/15

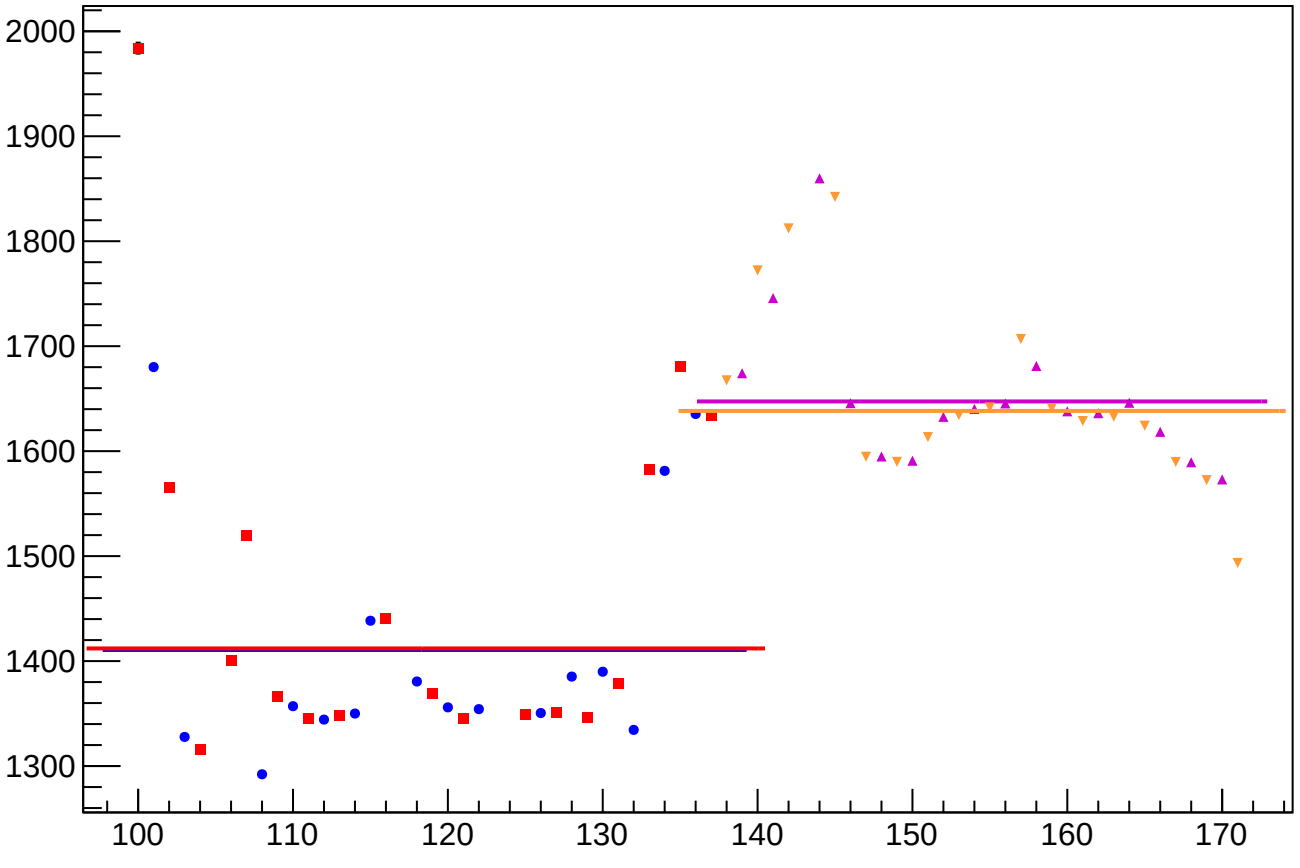
Left: 1472.760+/-318.528 χ^2/NDF: 59.8/32

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2164.641+/-343.768 χ^2/NDF:21.2/31

Out: 1250.313+/-341.612 χ^2/NDF:55.9/34

All: 1704.601+/-242.315 χ^2/NDF: 80.7/66



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: 1647.356+/-0.321 χ^2/NDF:40960.2/15

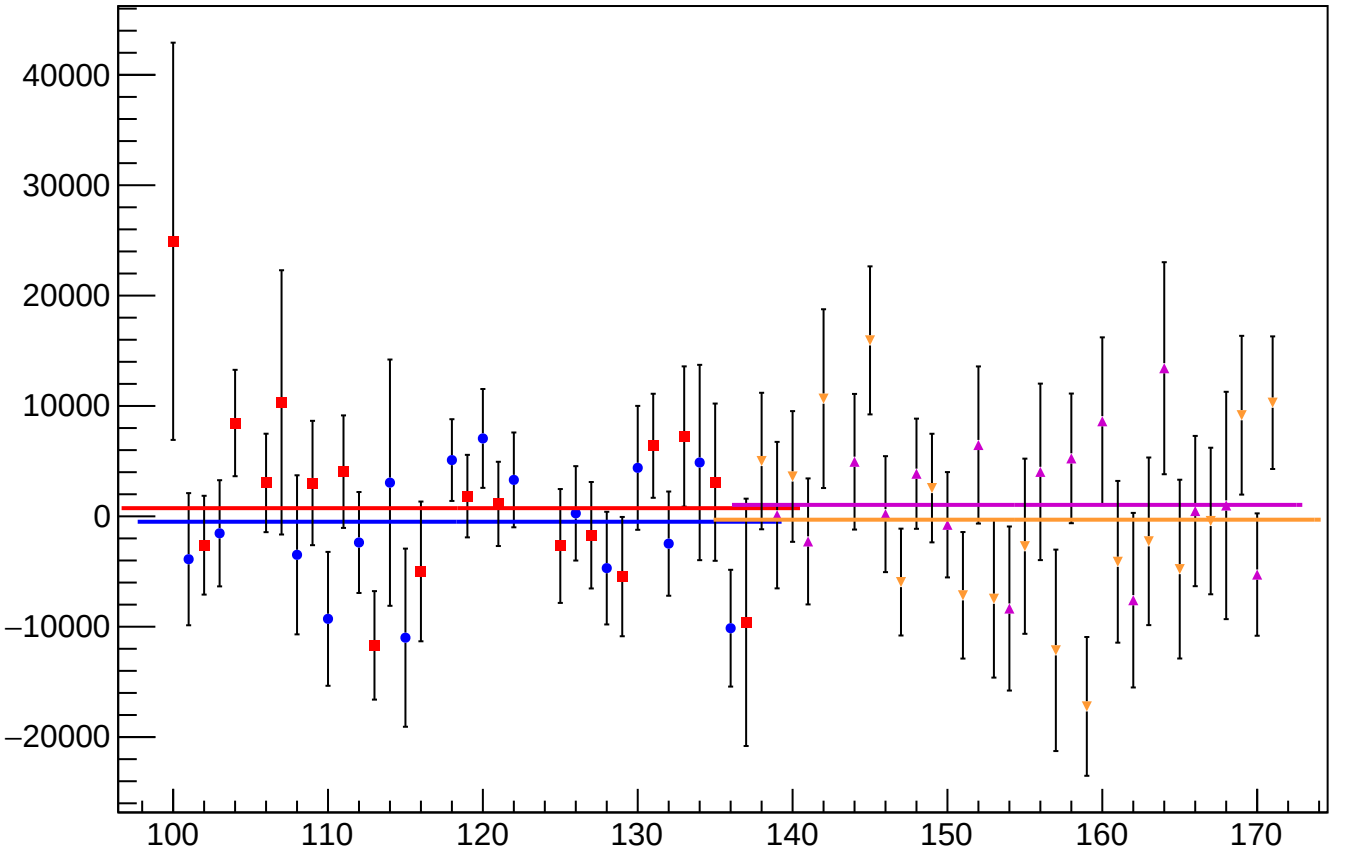
Left: 1642.775+/-0.225 χ^2/NDF: 105045.6/32

Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1546.664+/-0.243 χ^2/NDF:371984.4/31

Out: 1543.591+/-0.241 χ^2/NDF:367405.3/34

All: 1545.116+/-0.171 χ^2/NDF: 739470.2/66



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: 1038.036+/-1600.655 χ^2/NDF:9.2/15

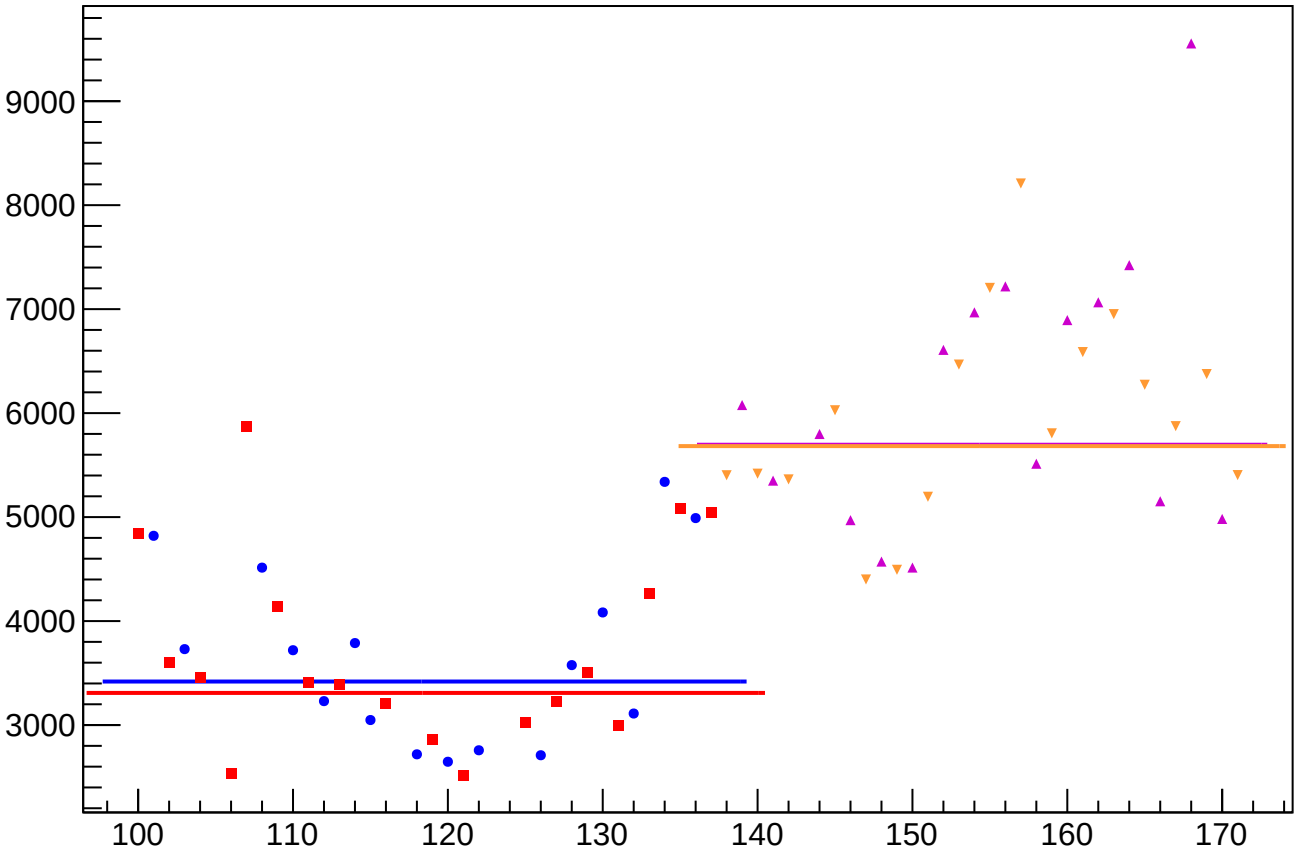
Left: 358.473+/-1124.662 χ^2/NDF: 37.1/32

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: 122.563+/-1013.160 χ^2/NDF:25.6/31

Out: 339.409+/-979.449 χ^2/NDF:47.0/34

All: 234.653+/-704.191 χ^2/NDF: 72.6/66



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: 5695.878+/-1.132 χ^2/NDF:943699.5/15

Left: 5689.229+/-0.795 χ^2/NDF: 1605205.7/32

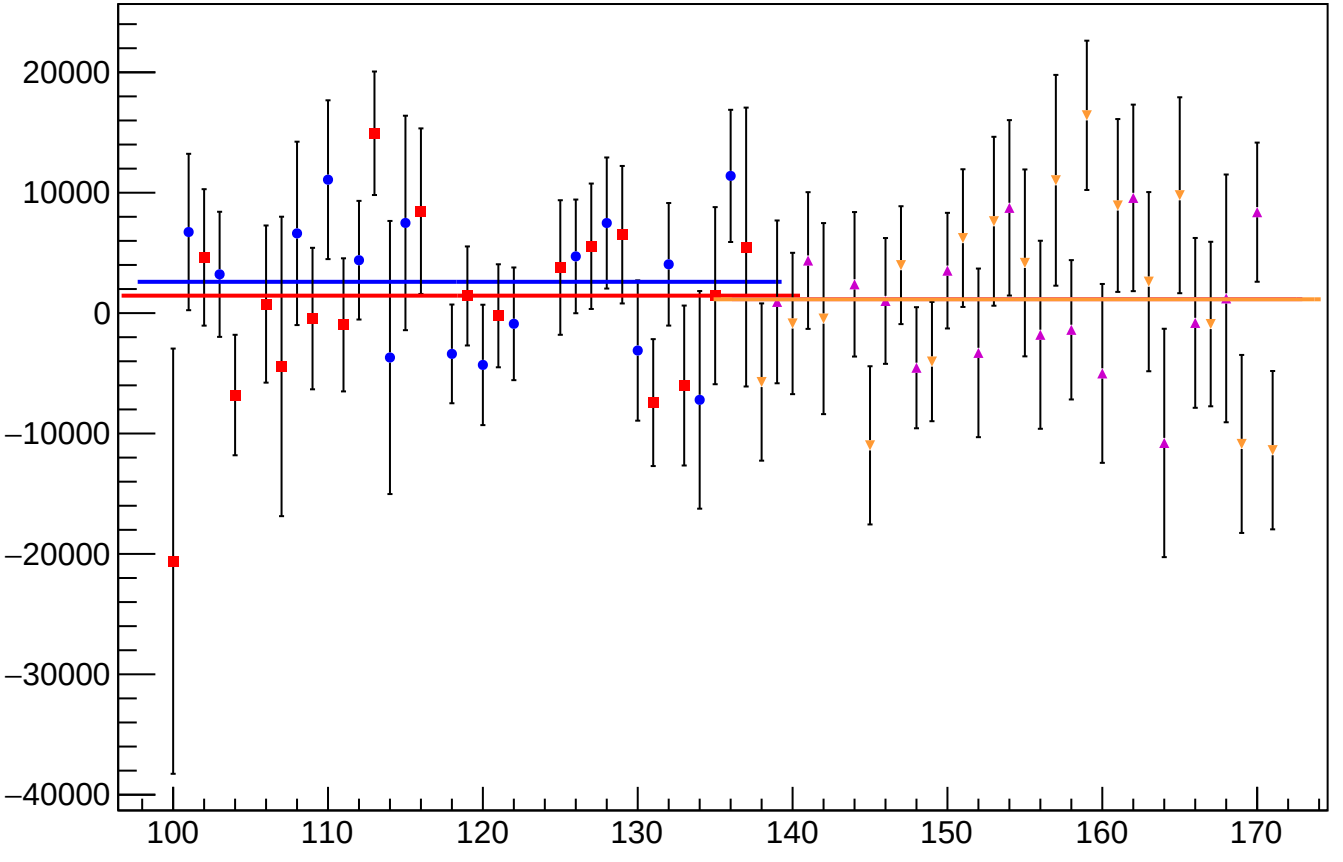
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4331.035+/-0.716 χ^2/NDF:4091064.4/31

Out: 4220.605+/-0.693 χ^2/NDF:4011902.3/34

All: 4273.952+/-0.498 χ^2/NDF: 8115248.5/66

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



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: 1162.461+/-1599.037 χ^2/NDF:8.8/15

Left: 1154.876+/-1127.170 χ^2/NDF: 32.8/32

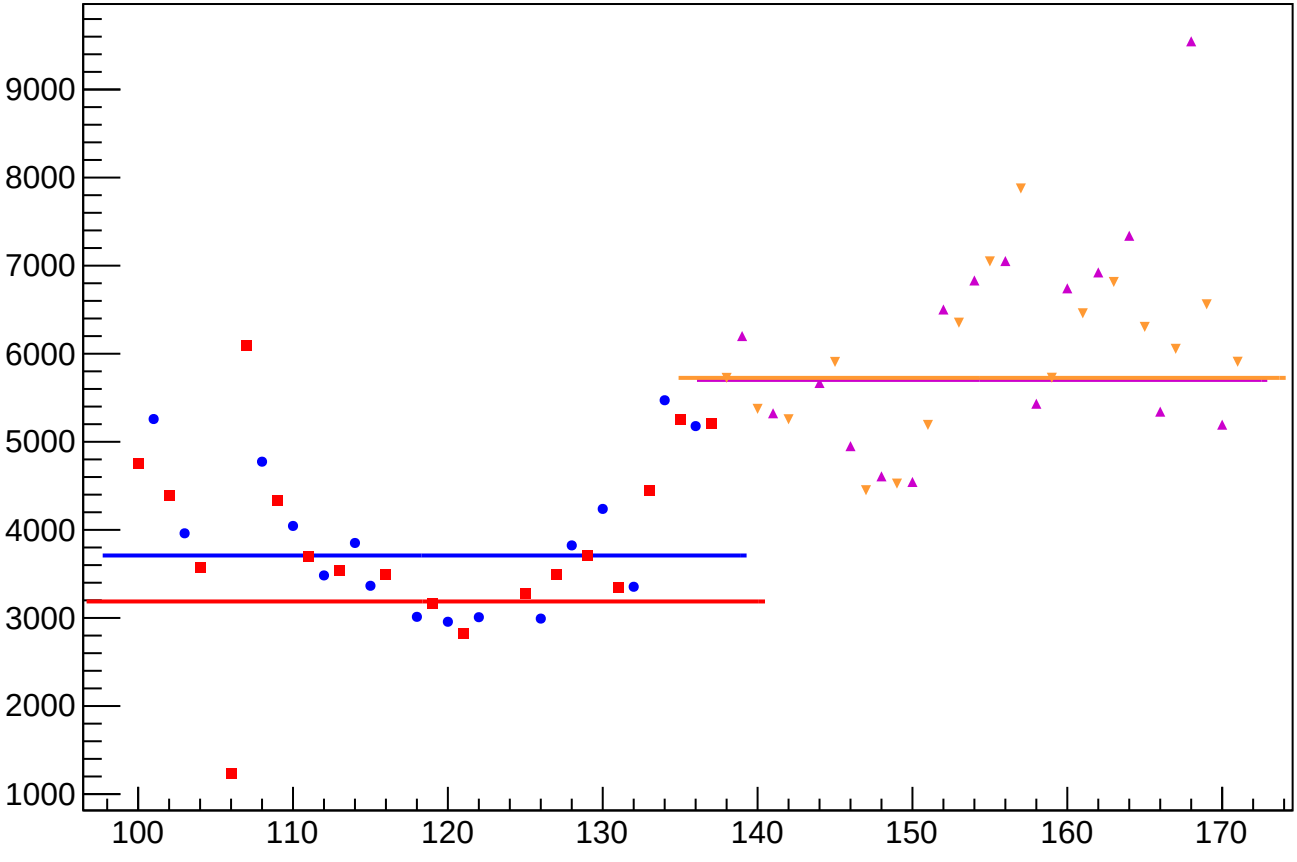
Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 1968.719+/-1059.466 χ^2/NDF:22.7/31

Out: 1319.837+/-1043.167 χ^2/NDF:43.0/34

All: 1639.249+/-743.326 χ^2/NDF: 65.9/66

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: 5702.727+/-1.131 χ^2/NDF:858985.0/15

Left: 5714.316+/-0.797 χ^2/NDF: 1445925.4/32

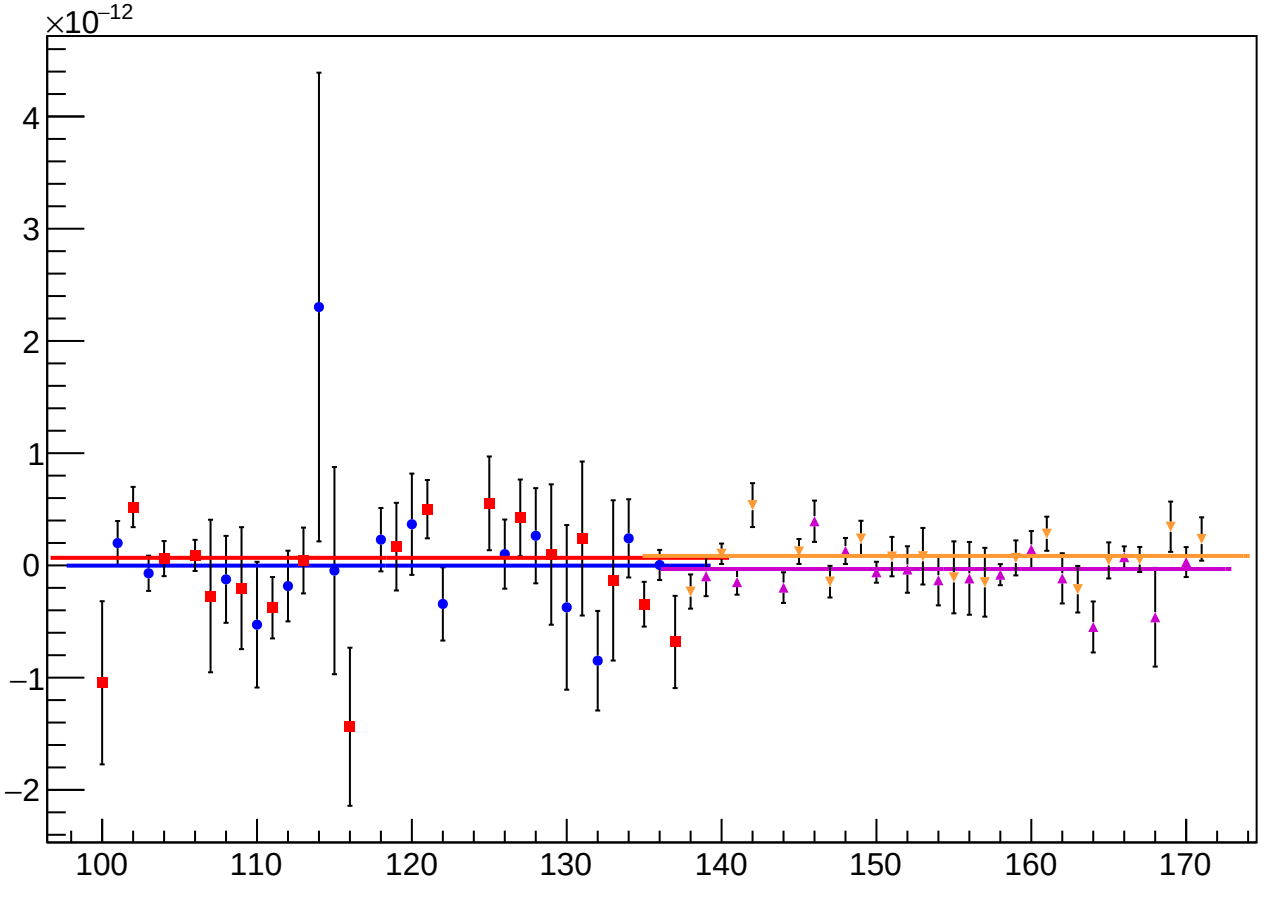
Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4584.315+/-0.749 χ^2/NDF:3213623.3/31

Out: 4173.306+/-0.700 χ^2/NDF:5318745.2/34

All: 4364.987+/-0.512 χ^2/NDF: 8692990.3/66

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:19.4/15

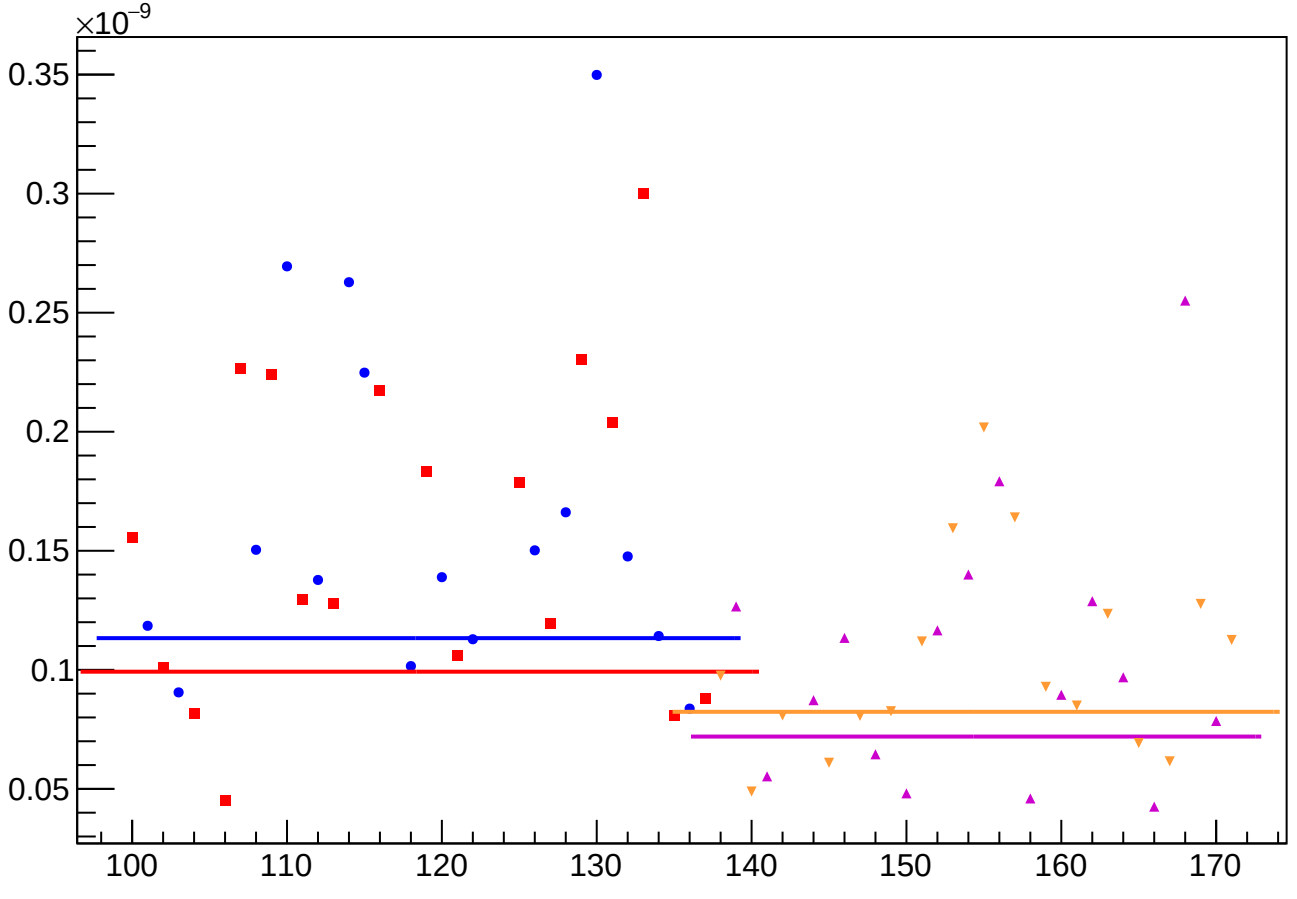
Left: 0.000+/-0.000 χ^2/NDF: 44.7/32

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:30.7/31

Out: 0.000+/-0.000 χ^2/NDF:49.8/34

All: 0.000+/-0.000 χ^2/NDF: 85.9/66



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1329555.8/16

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1864810.3/15

Left: 0.000+/-0.000 χ^2/NDF: 3275061.5/32

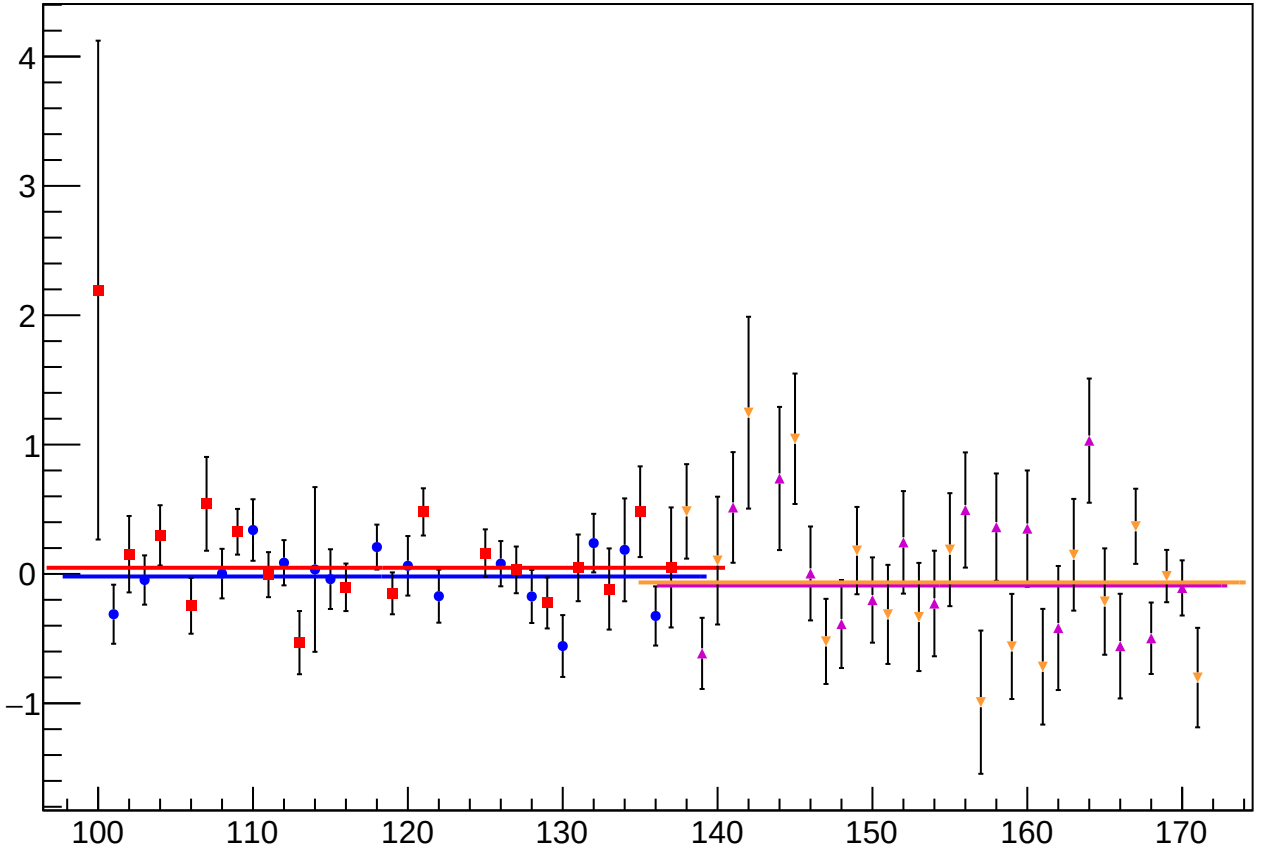
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3070379.3/31

Out: 0.000+/-0.000 χ^2/NDF:2529413.1/34

All: 0.000+/-0.000 χ^2/NDF: 5637142.3/66

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.066+/-0.091 χ^2/NDF:26.7/16

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.089+/-0.089 χ^2/NDF:22.9/15

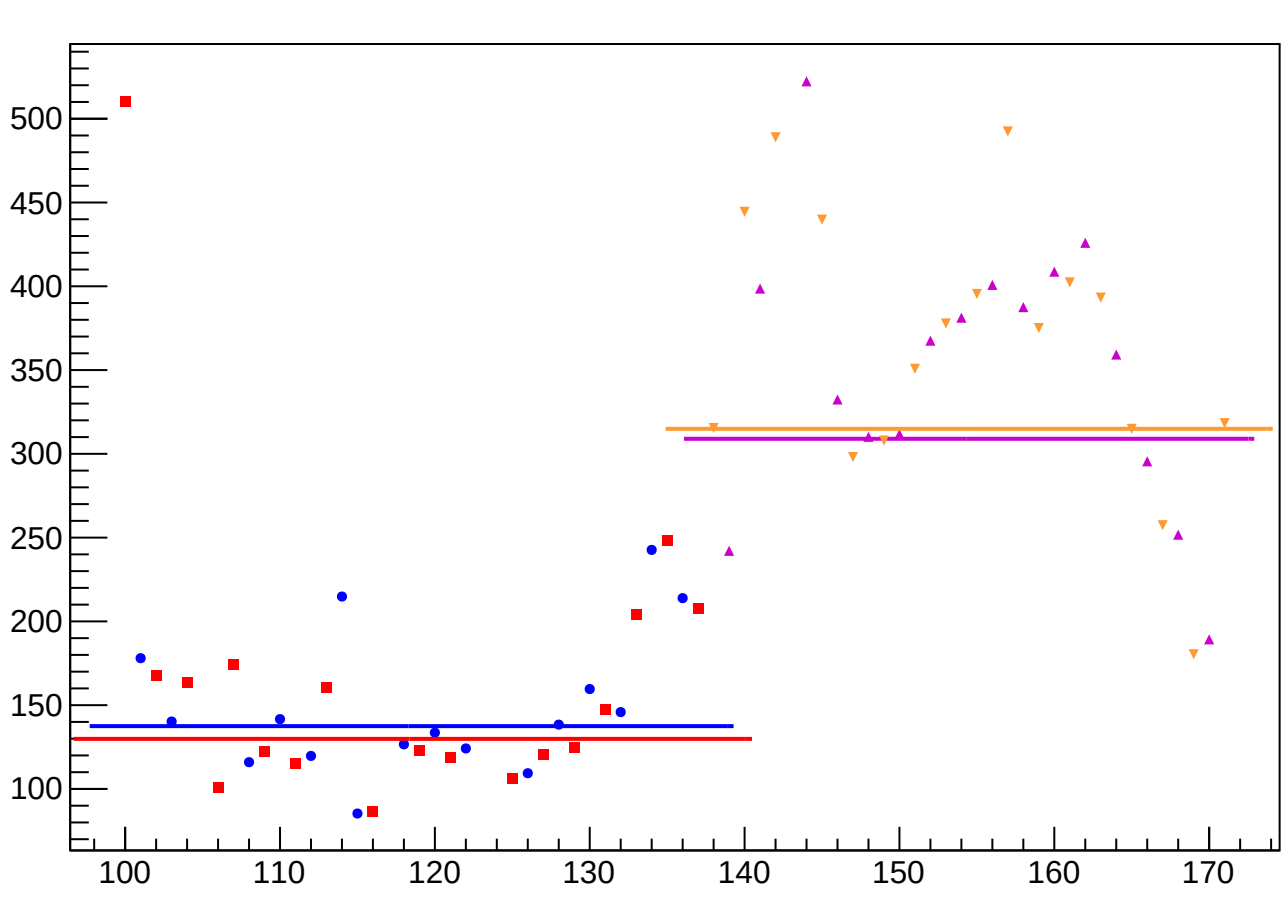
Left: -0.078+/-0.064 χ^2/NDF: 49.7/32

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.019+/-0.045 χ^2/NDF:54.2/34

All: -0.009+/-0.032 χ^2/NDF: 94.4/66



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: 308.986+/-0.063 χ^2/NDF:1732611.5/15

Left: 311.919+/-0.045 χ^2/NDF: 3599255.6/32

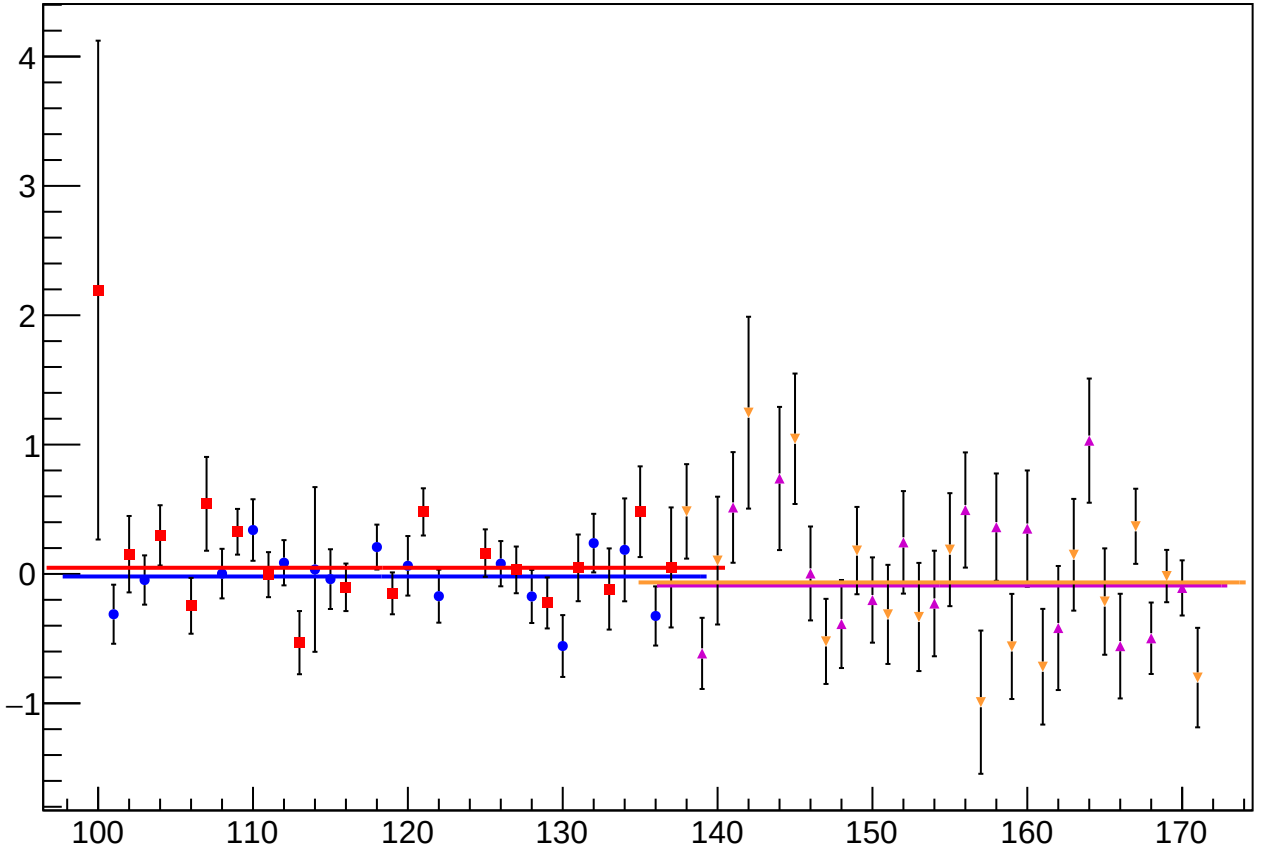
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 183.677+/-0.033 χ^2/NDF:7816706.6/31

Out: 176.388+/-0.032 χ^2/NDF:8941591.2/34

All: 179.960+/-0.023 χ^2/NDF: 16783537.9/66

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: -0.089+/-0.089 χ^2/NDF:22.9/15

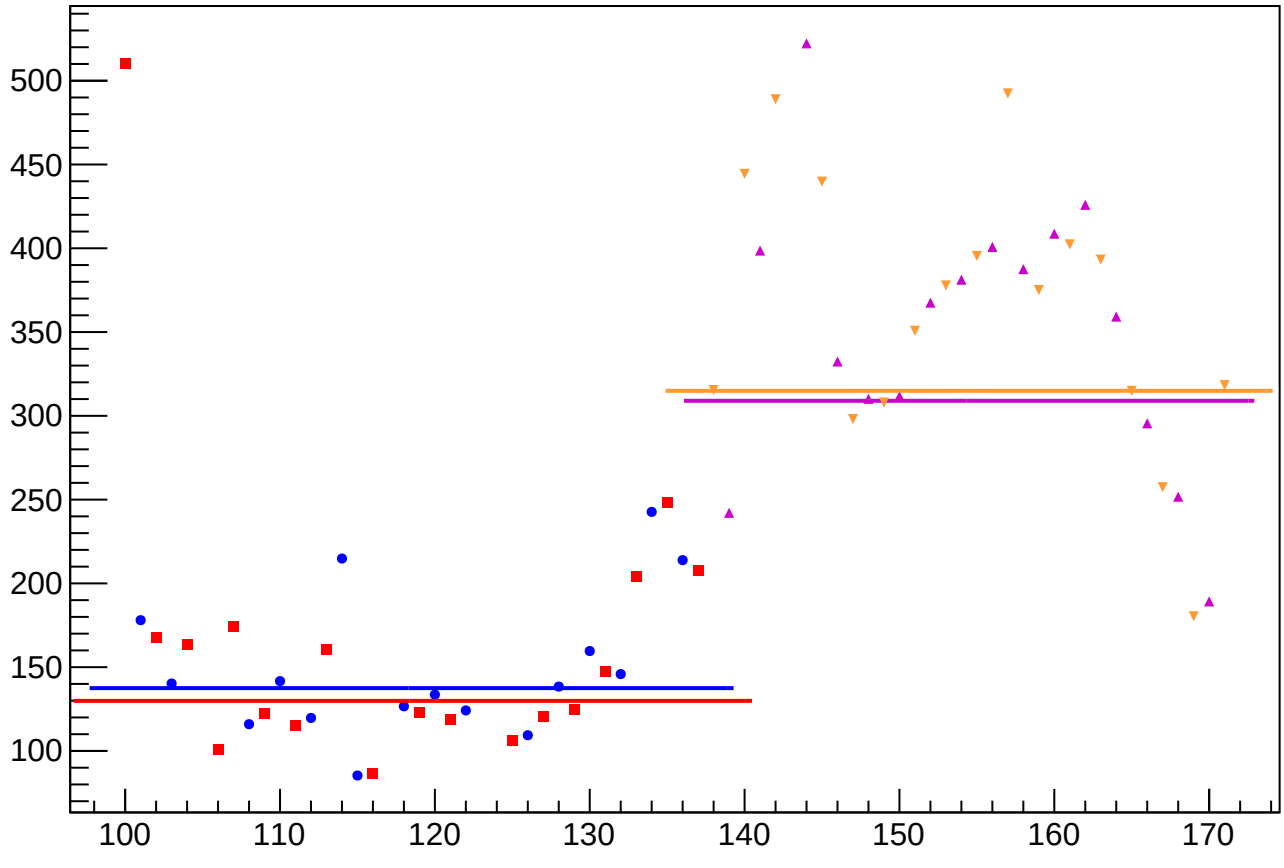
Left: -0.078+/-0.064 χ^2/NDF: 49.7/32

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.019+/-0.045 χ^2/NDF:54.2/34

All: -0.009+/-0.032 χ^2/NDF: 94.4/66



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: 308.986+/-0.063 χ^2/NDF:1732611.5/15

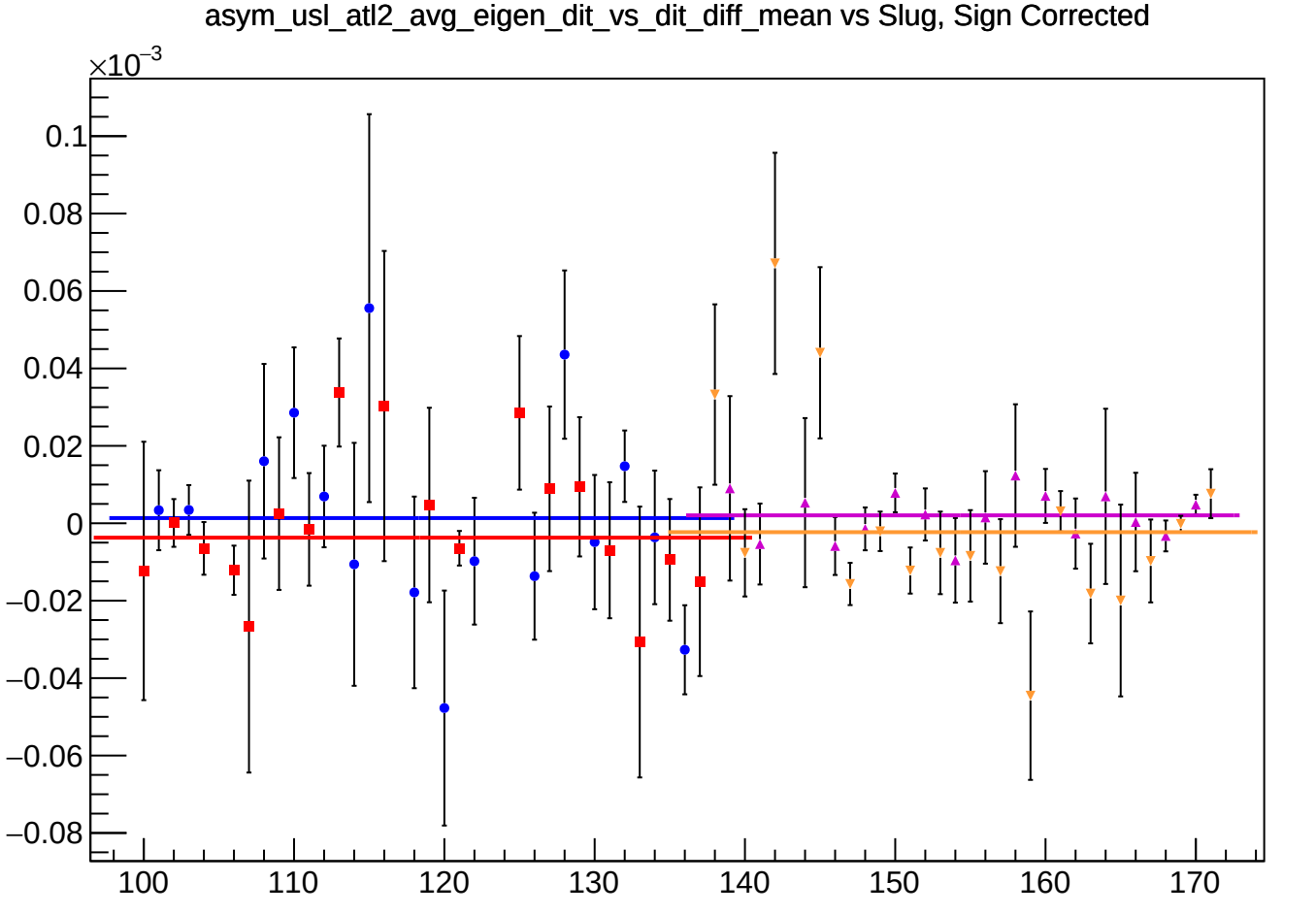
Left: 311.919+/-0.045 χ^2/NDF: 3599255.6/32

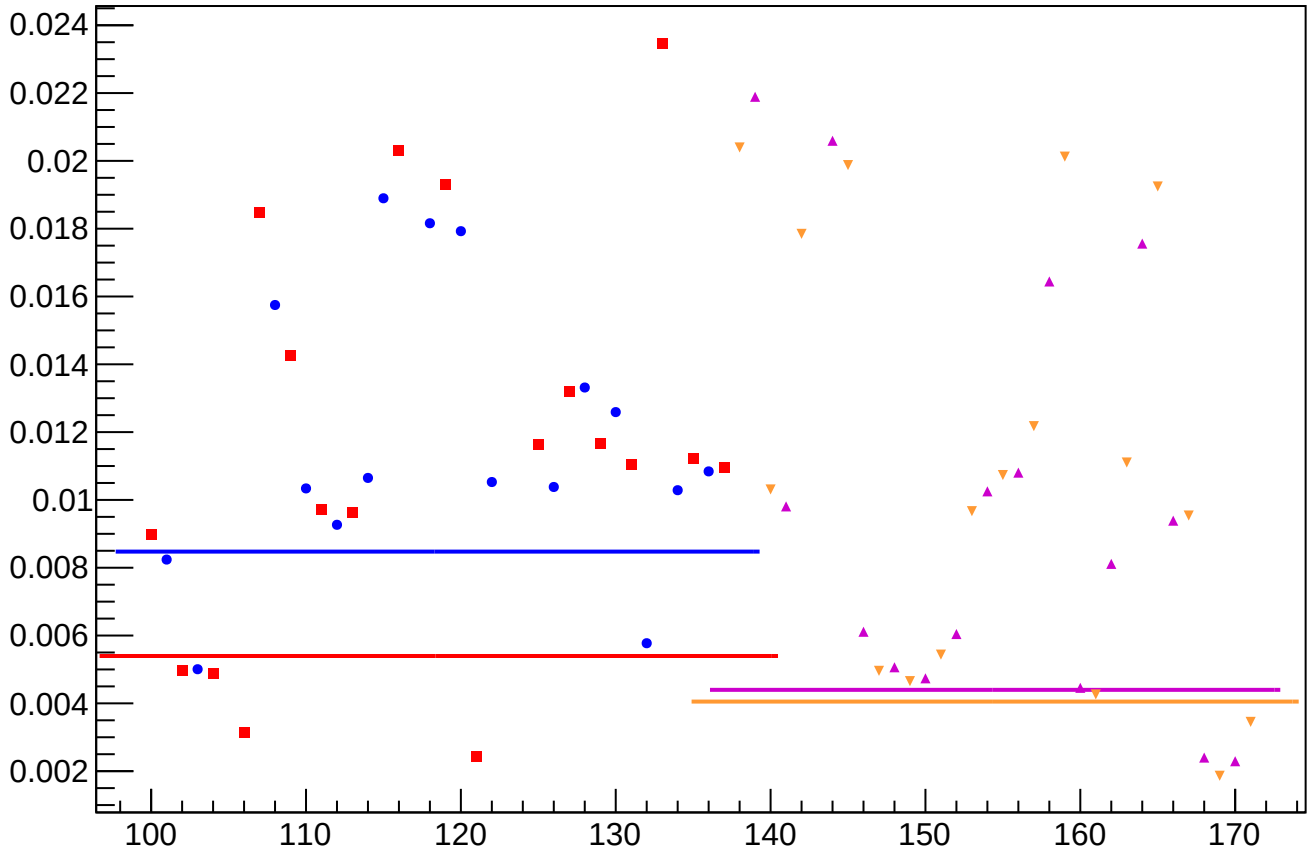
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 183.677+/-0.033 χ^2/NDF:7816706.6/31

Out: 176.388+/-0.032 χ^2/NDF:8941591.2/34

All: 179.960+/-0.023 χ^2/NDF: 16783537.9/66


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:8.7/15
Left: -0.000+/-0.000 χ²/NDF: 46.3/32
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:32.7/31
Out: -0.000+/-0.000 χ²/NDF:49.6/34
All: -0.000+/-0.000 χ²/NDF: 88.0/66



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:8164748.9/15

Left: 0.004+/-0.000 χ^2/NDF: 18627896.4/32

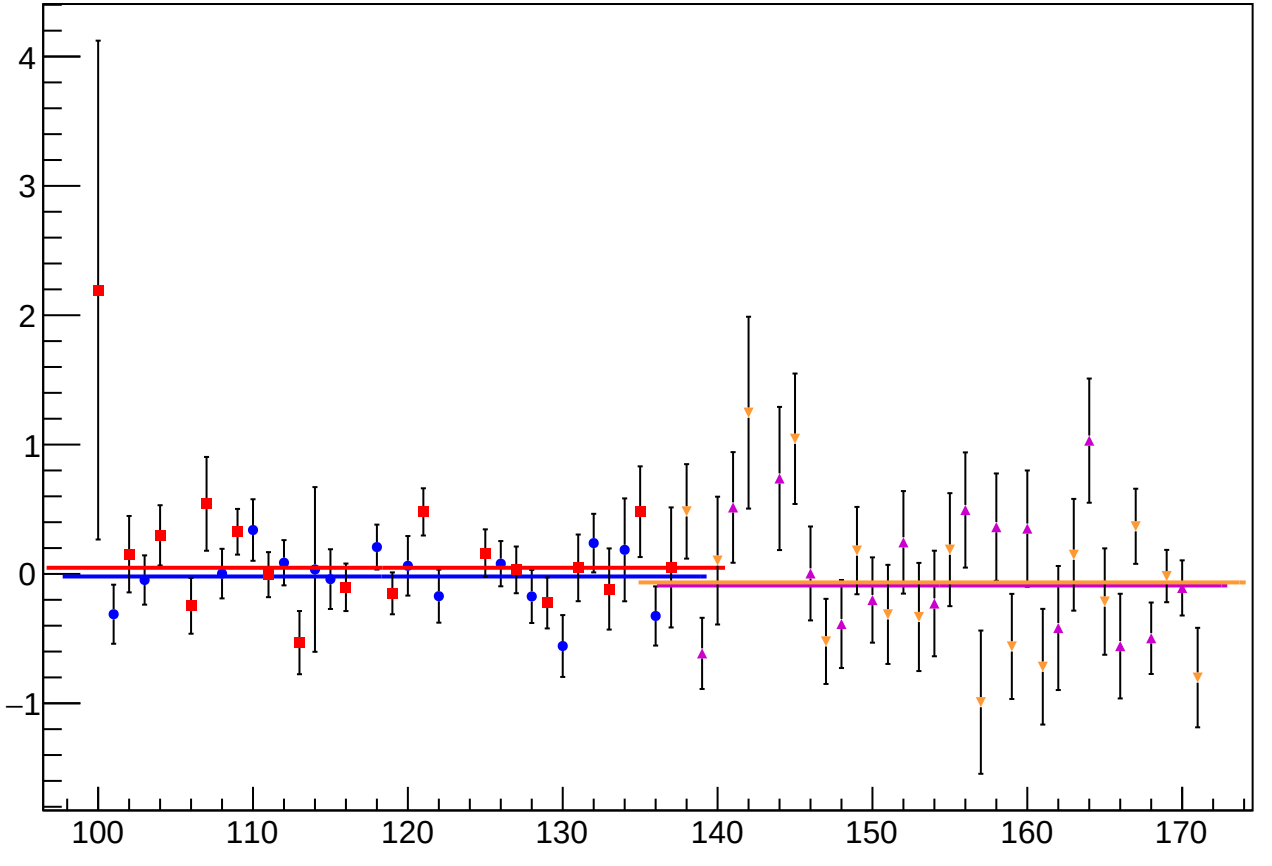
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:12402360.1/31

Out: 0.004+/-0.000 χ^2/NDF:15740636.3/34

All: 0.005+/-0.000 χ^2/NDF: 28409064.4/66

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: -0.089+/-0.089 χ^2/NDF:22.9/15

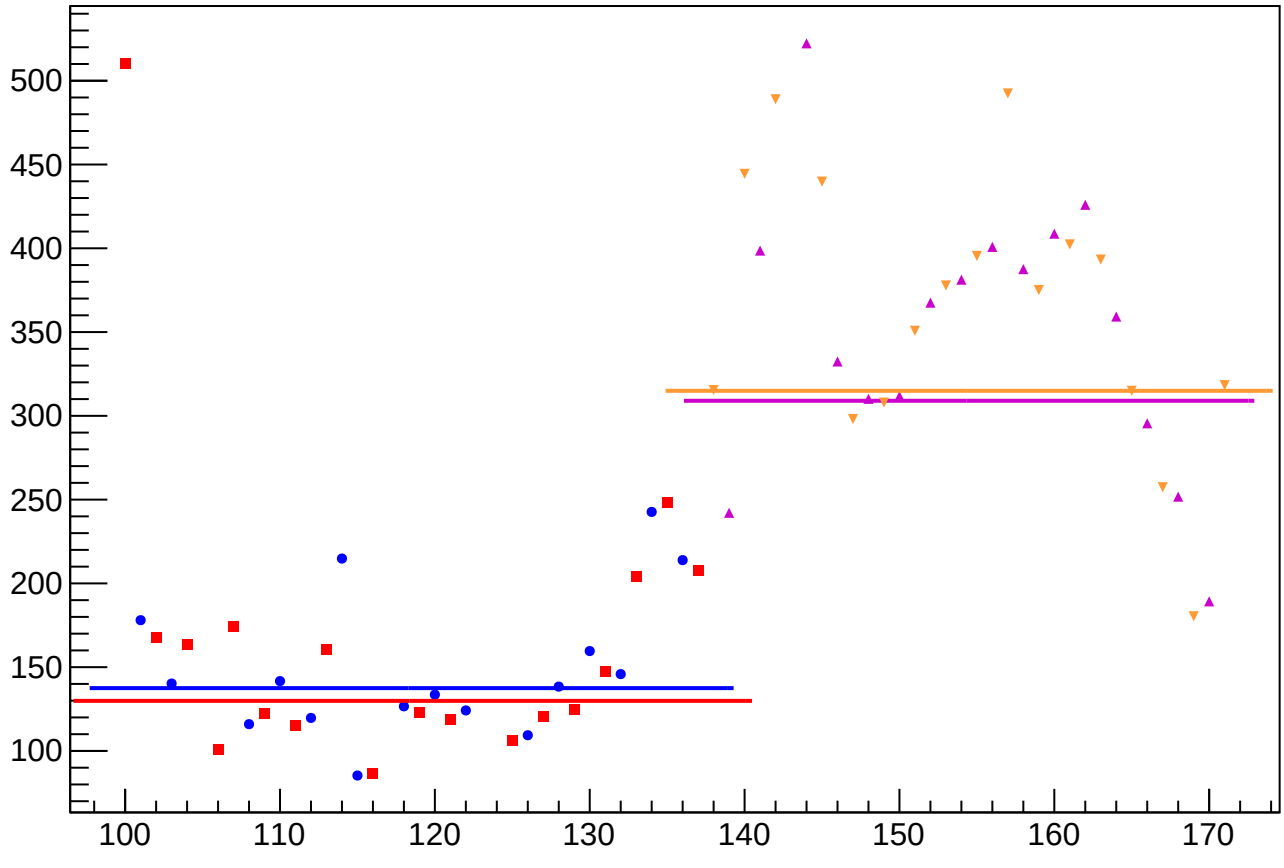
Left: -0.078+/-0.064 χ^2/NDF: 49.7/32

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.019+/-0.045 χ^2/NDF:54.2/34

All: -0.009+/-0.032 χ^2/NDF: 94.4/66



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: 308.990+/-0.063 χ^2/NDF:1732641.4/15

Left: 311.922+/-0.045 χ^2/NDF: 3599365.4/32

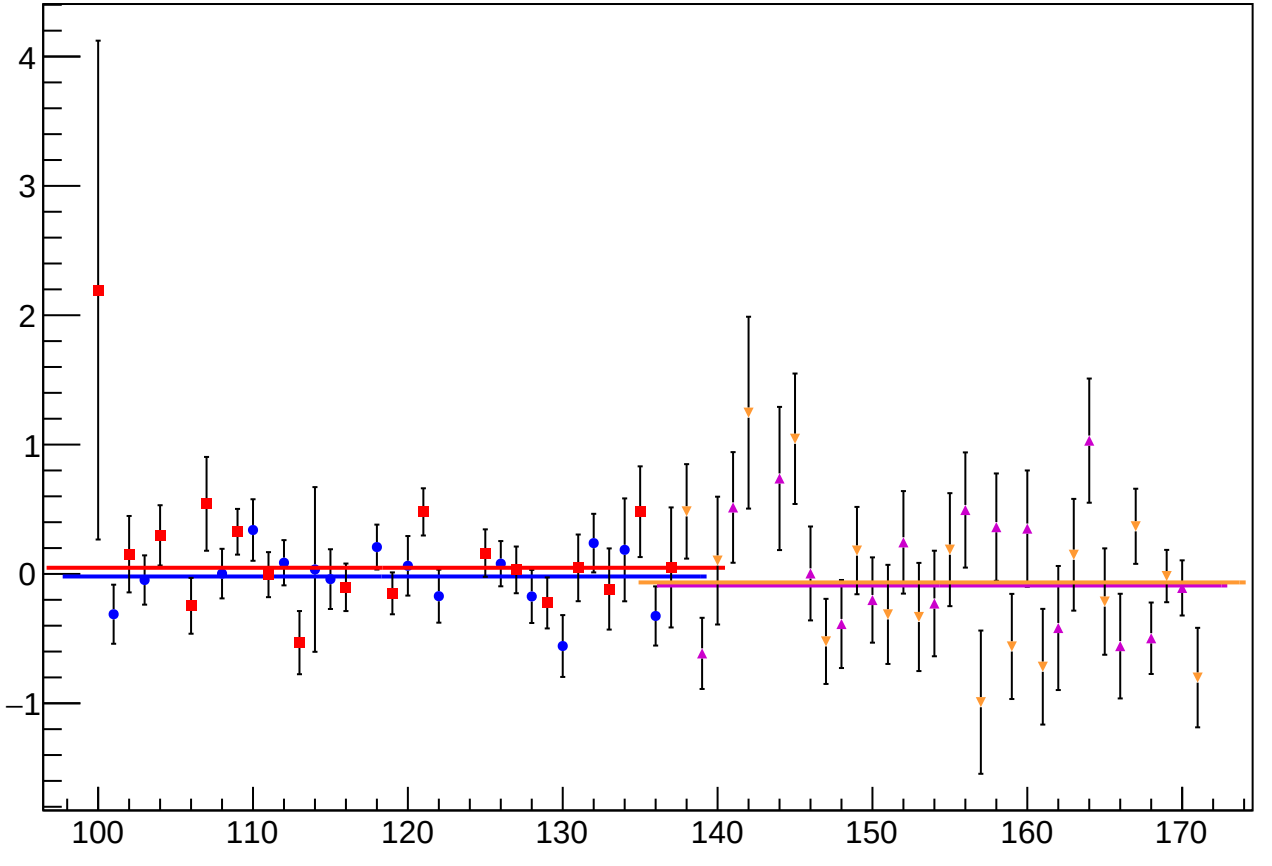
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 183.677+/-0.033 χ^2/NDF:7816861.8/31

Out: 176.387+/-0.032 χ^2/NDF:8941721.8/34

All: 179.960+/-0.023 χ^2/NDF: 16783823.8/66

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: -0.089+/-0.089 χ^2/NDF:22.9/15

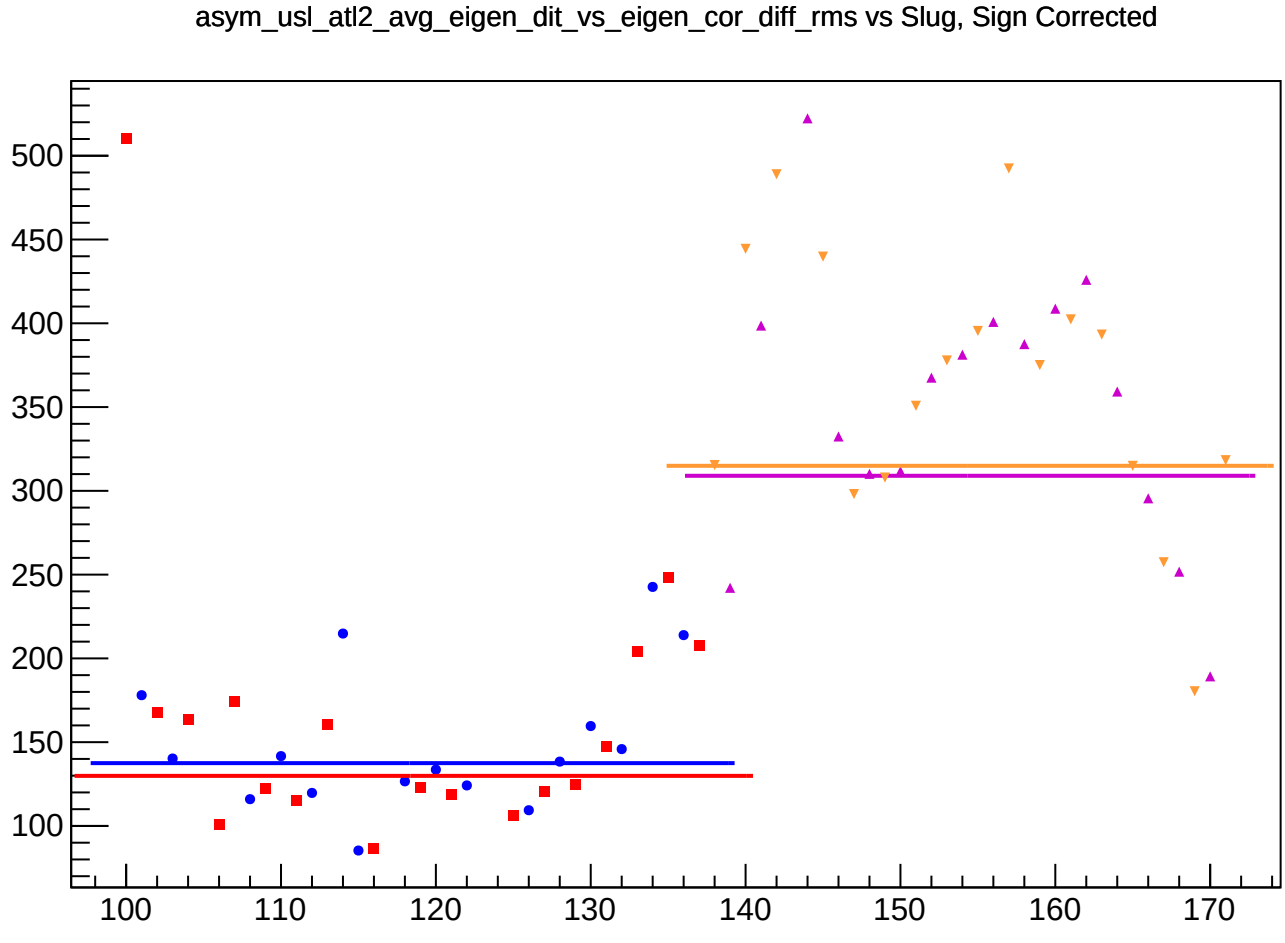
Left: -0.078+/-0.064 χ^2/NDF: 49.7/32

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.038+/-0.046 χ^2/NDF:39.4/31

Out: 0.019+/-0.045 χ^2/NDF:54.2/34

All: -0.009+/-0.032 χ^2/NDF: 94.4/66



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: 308.990+/-0.063 χ^2/NDF:1732641.4/15

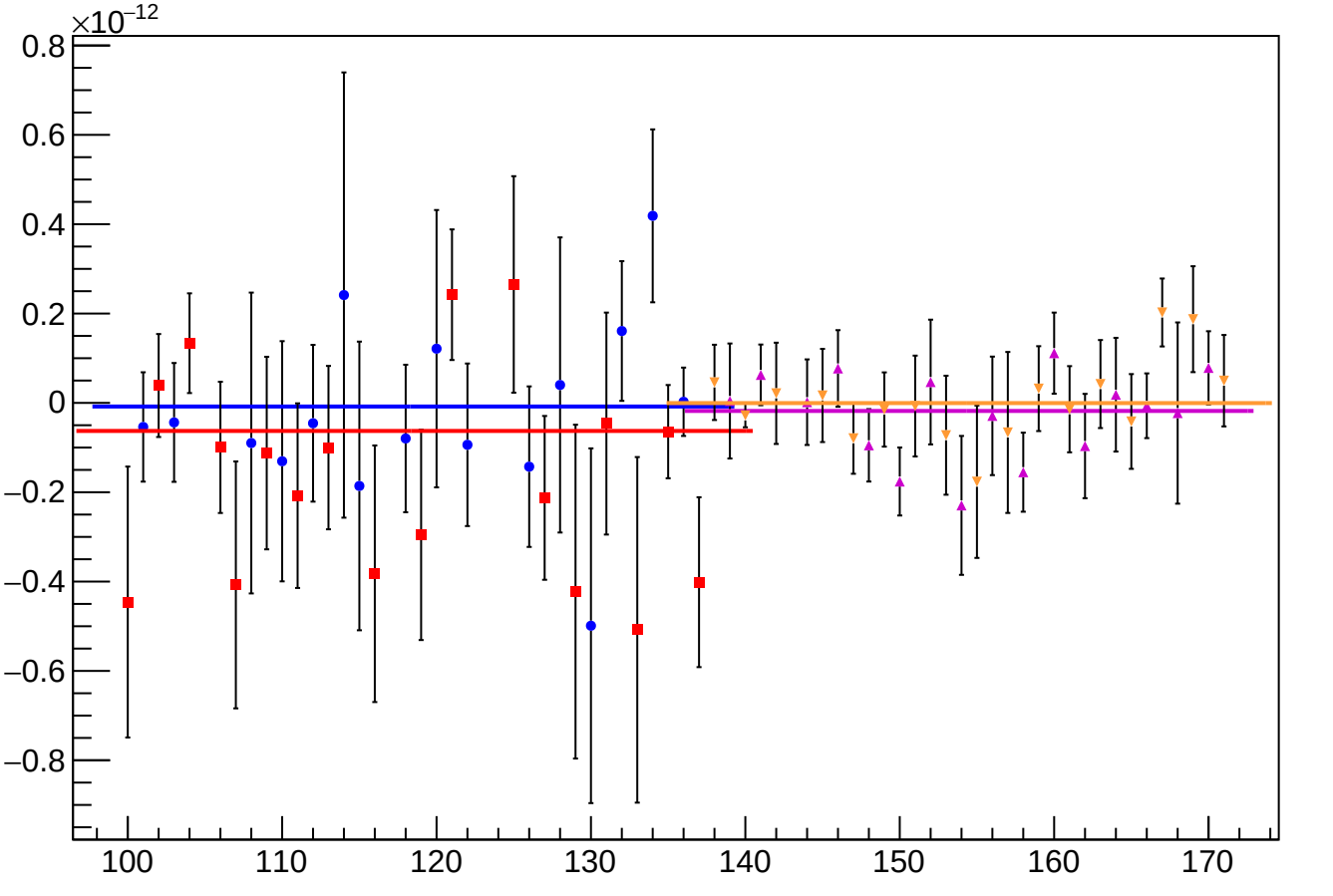
Left: 311.922+/-0.045 χ^2/NDF: 3599365.4/32

Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 183.677+/-0.033 χ^2/NDF:7816861.8/31

Out: 176.387+/-0.032 χ^2/NDF:8941721.8/34

All: 179.960+/-0.023 χ^2/NDF: 16783823.8/66



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:16.4/15

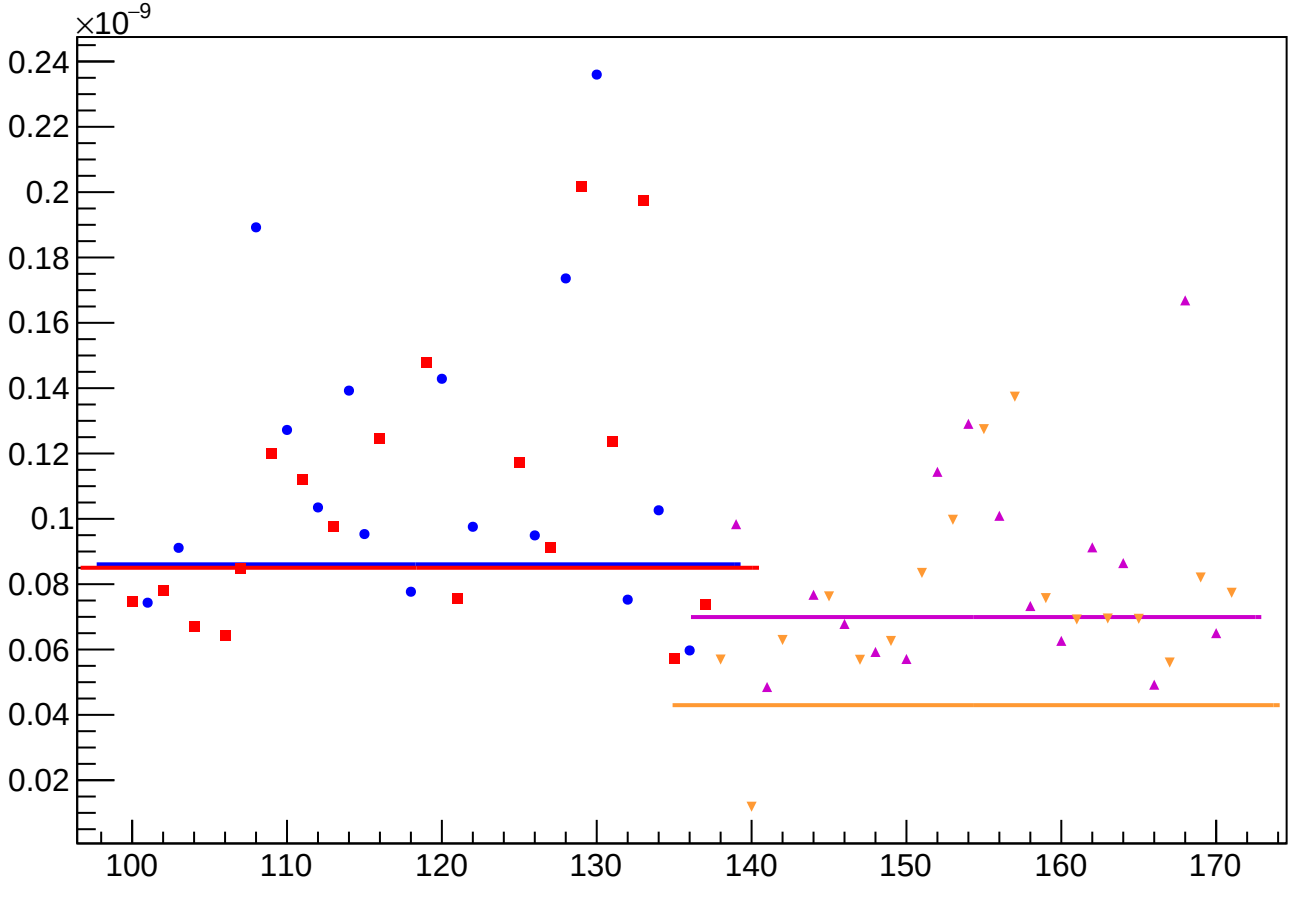
Left: -0.000+/-0.000 χ^2/NDF: 31.0/32

Right: -0.000+/-0.000 χ^2/NDF: 32.8/33

In: -0.000+/-0.000 χ^2/NDF:26.2/31

Out: -0.000+/-0.000 χ^2/NDF:38.3/34

All: -0.000+/-0.000 χ^2/NDF: 64.6/66



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:1744016.5/15

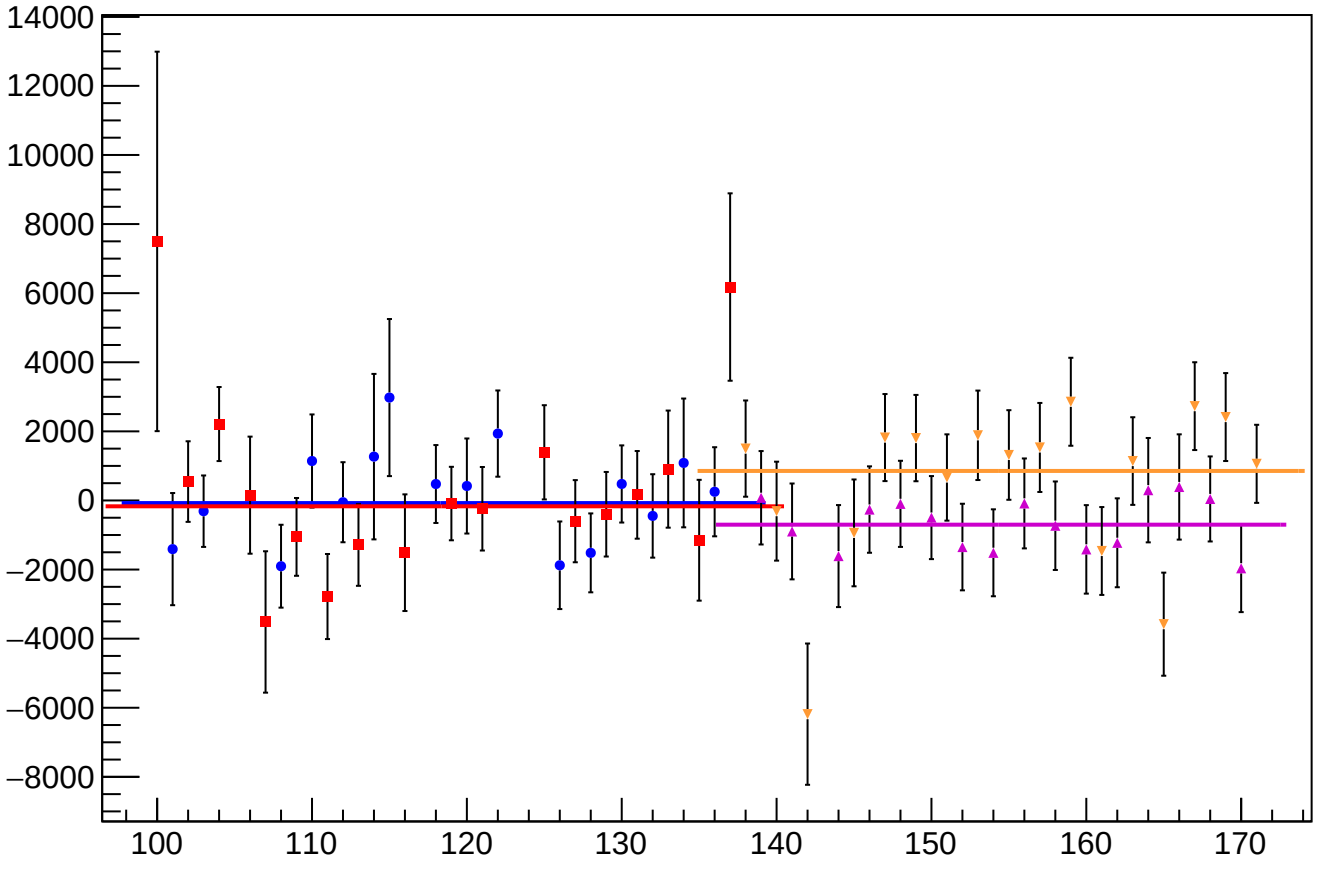
Left: 0.000+/-0.000 χ^2/NDF: 9369583.7/32

Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3035151.7/31

Out: 0.000+/-0.000 χ^2/NDF:8712245.4/34

All: 0.000+/-0.000 χ^2/NDF: 13360028.8/66



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: -701.186+/-327.327 χ^2/NDF:4.8/15

Left: 91.277+/-229.259 χ^2/NDF: 51.0/32

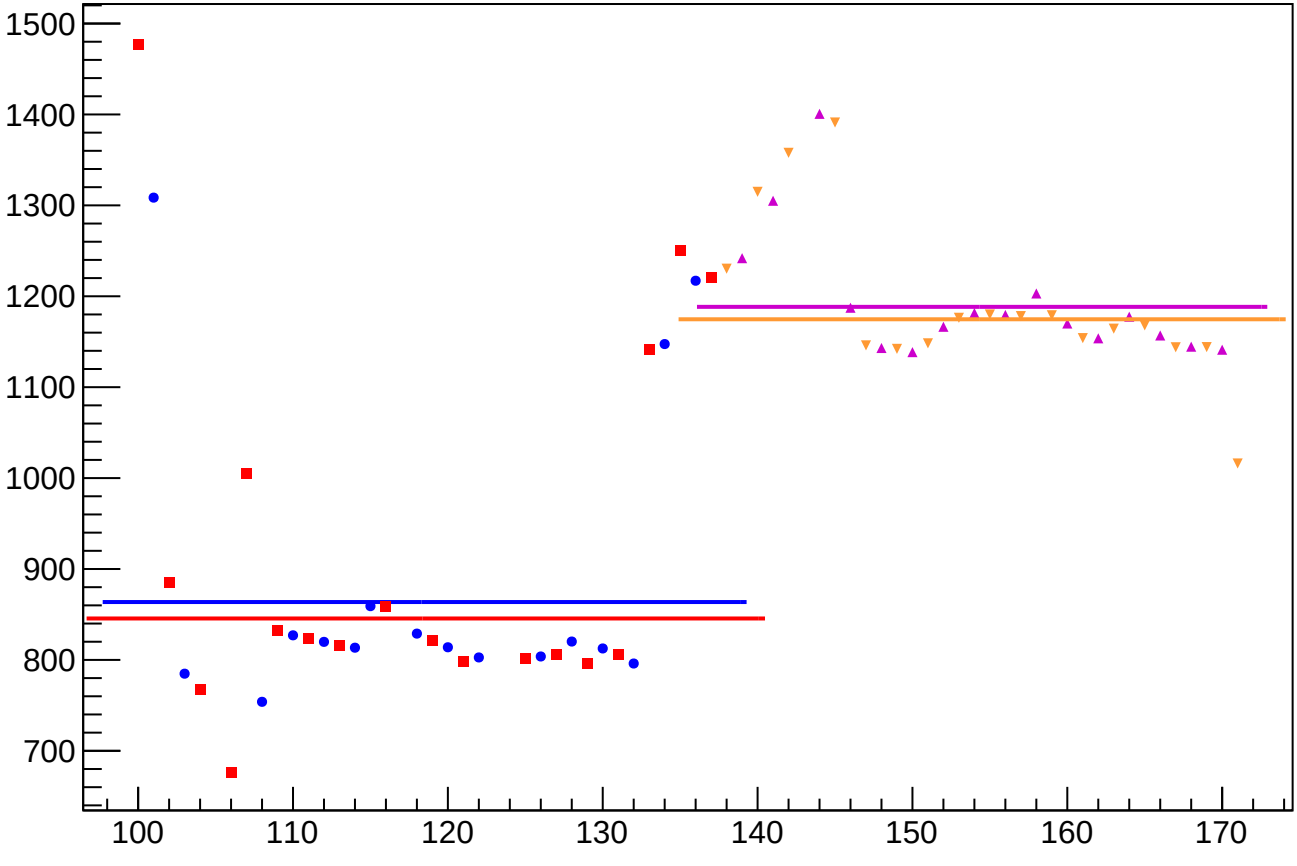
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -387.512+/-231.065 χ^2/NDF:20.0/31

Out: 343.504+/-227.345 χ^2/NDF:64.1/34

All: -16.073+/-162.056 χ^2/NDF: 89.2/66

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: 1188.372+/-0.231 χ^2/NDF:73860.0/15

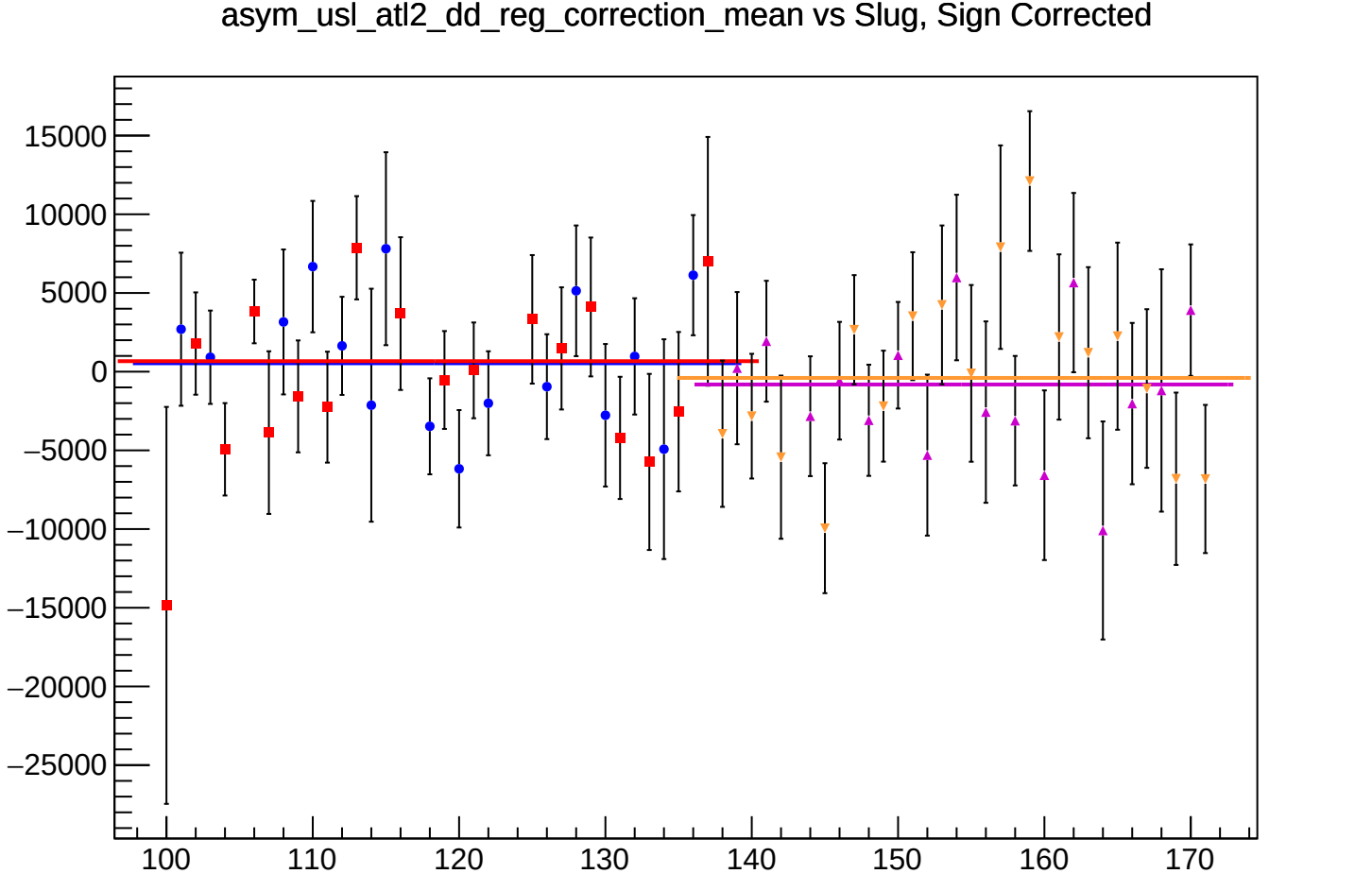
Left: 1181.406+/-0.162 χ^2/NDF: 199068.5/32

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1025.470+/-0.163 χ^2/NDF:1468751.8/31

Out: 1008.411+/-0.160 χ^2/NDF:1492117.0/34

All: 1016.749+/-0.114 χ^2/NDF: 2966441.6/66



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: -814.893+/-1131.978 χ^2/NDF:10.0/15

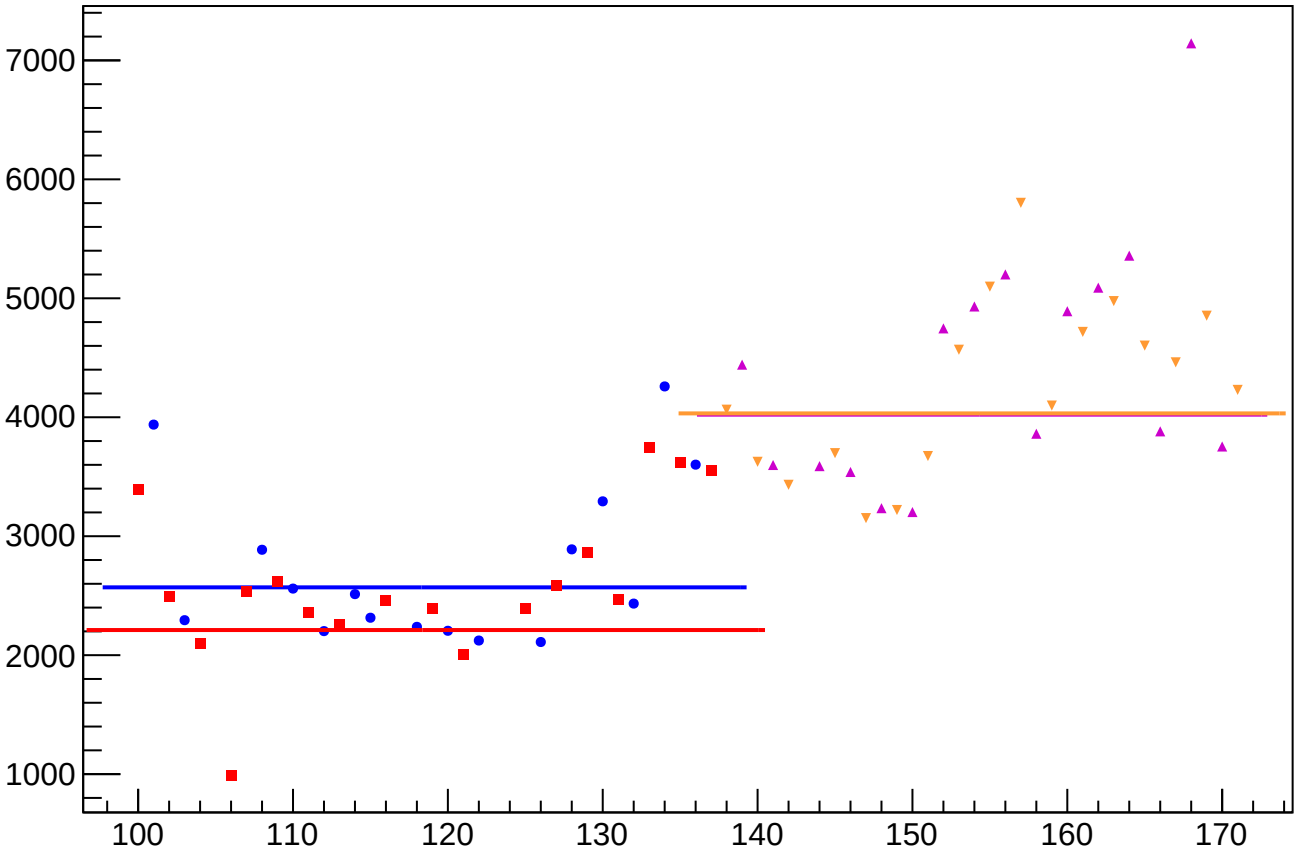
Left: -604.730+/-797.491 χ^2/NDF: 33.5/32

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: -44.460+/-741.472 χ^2/NDF:25.4/31

Out: 270.192+/-685.426 χ^2/NDF:44.0/34

All: 125.206+/-503.318 χ^2/NDF: 69.5/66



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: 4021.641+/-0.800 χ^2/NDF:1036387.2/15

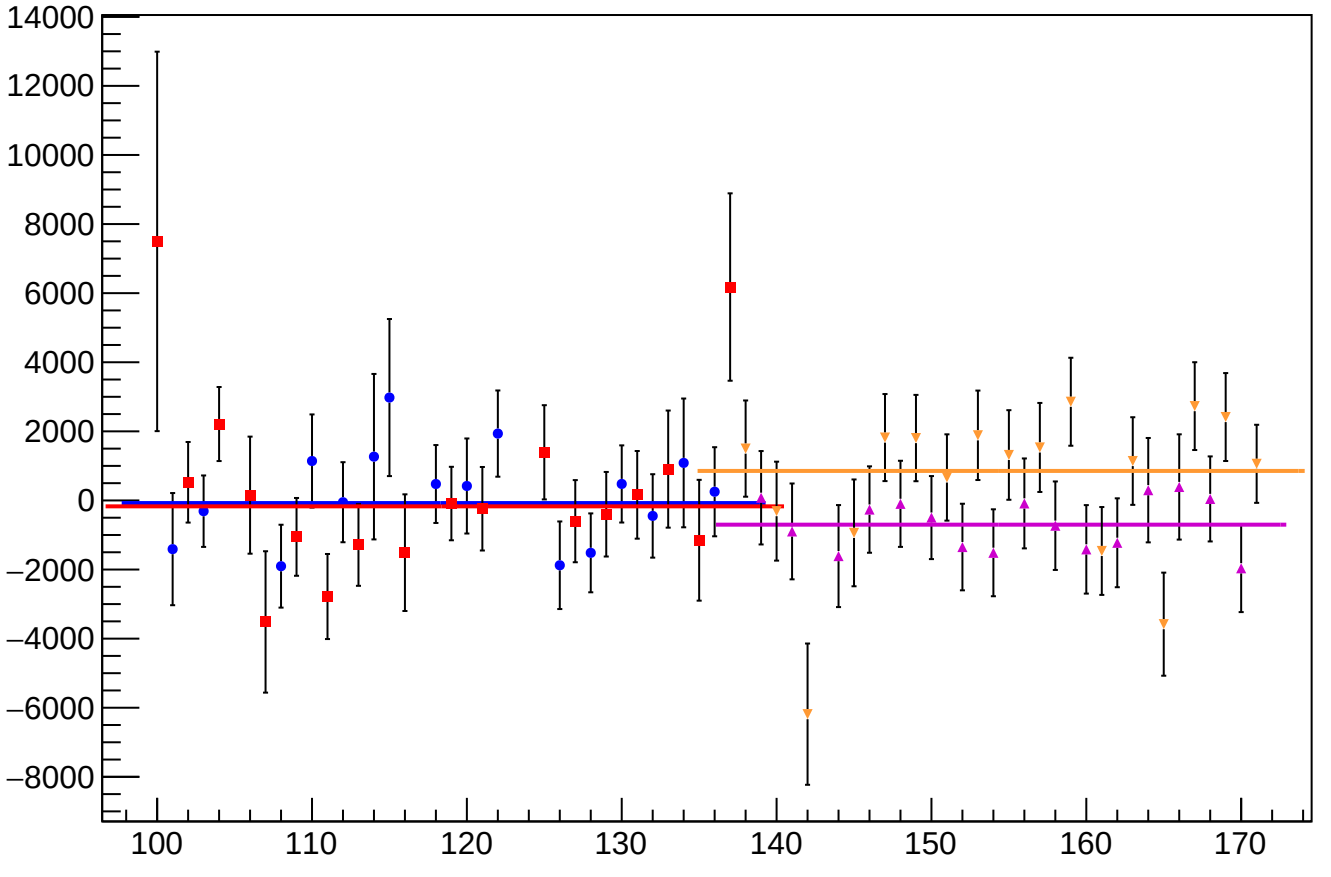
Left: 4027.082+/-0.564 χ^2/NDF: 1768629.0/32

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3192.911+/-0.524 χ^2/NDF:3576390.9/31

Out: 2888.853+/-0.485 χ^2/NDF:5294934.8/34

All: 3028.958+/-0.356 χ^2/NDF: 9052675.8/66



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: -701.185+/-327.327 χ^2/NDF:4.8/15

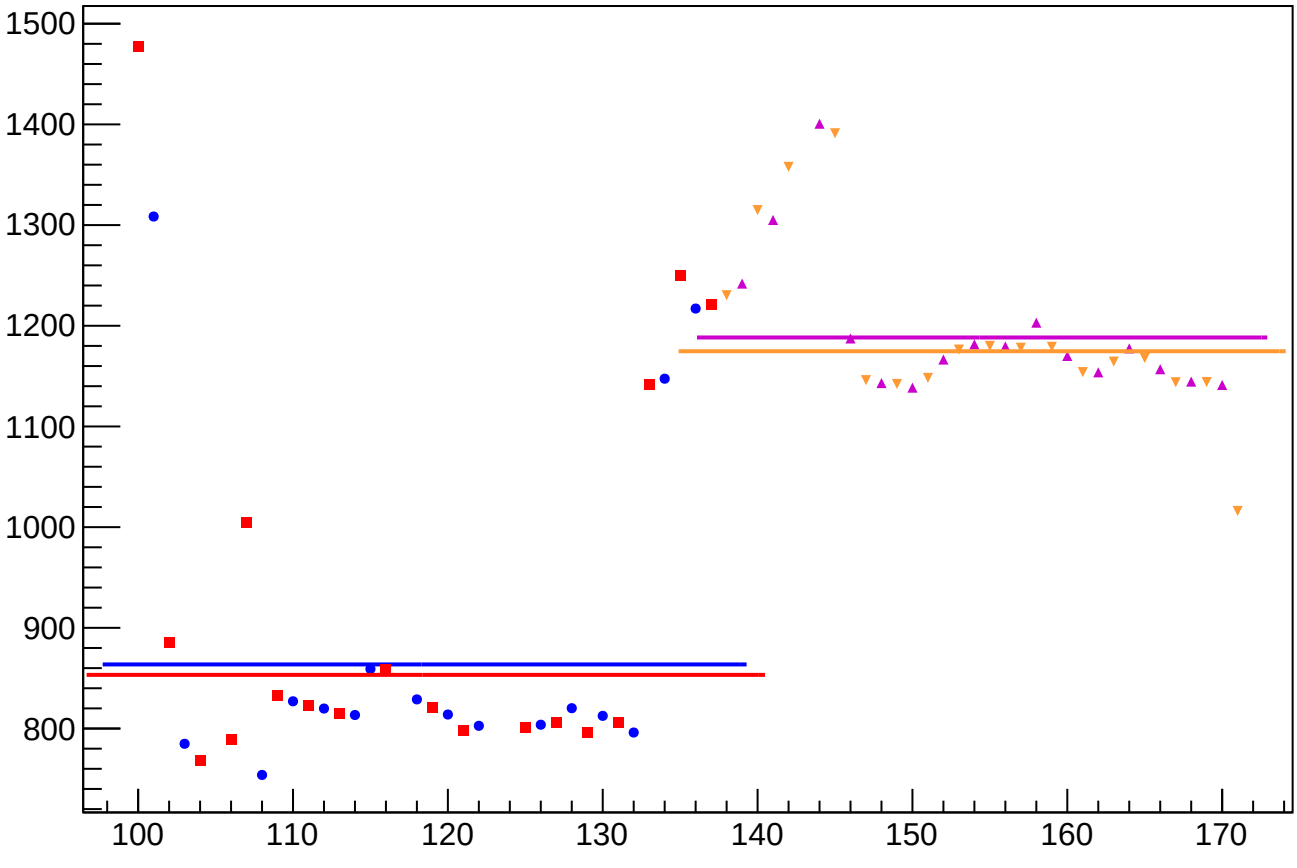
Left: 91.277+/-229.259 χ^2/NDF: 51.0/32

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -387.551+/-231.065 χ^2/NDF:20.0/31

Out: 342.694+/-227.347 χ^2/NDF:64.1/34

All: -16.506+/-162.057 χ^2/NDF: 89.2/66



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: 1188.372+/-0.231 χ^2/NDF:73860.0/15

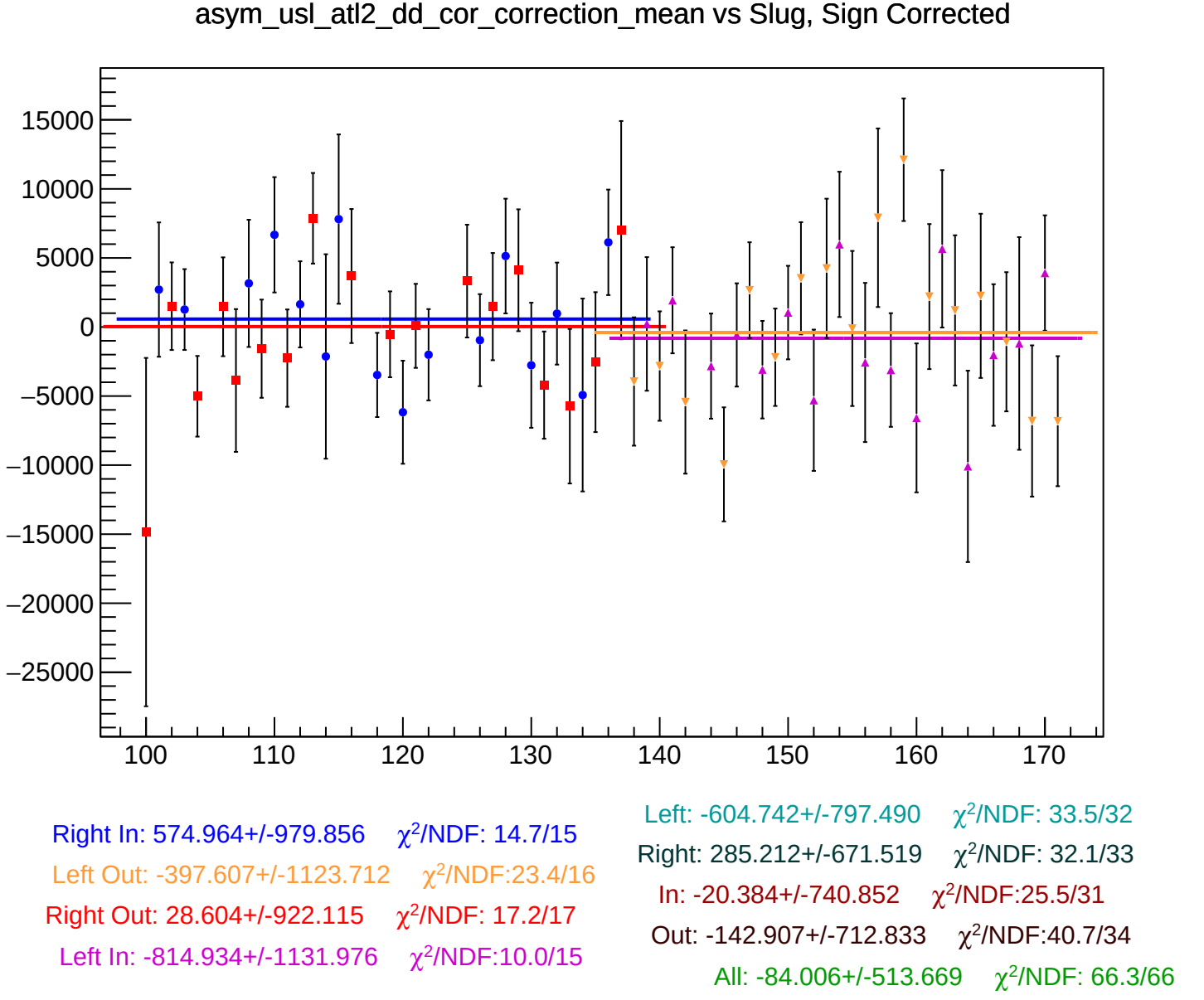
Left: 1181.406+/-0.162 χ^2/NDF: 199068.5/32

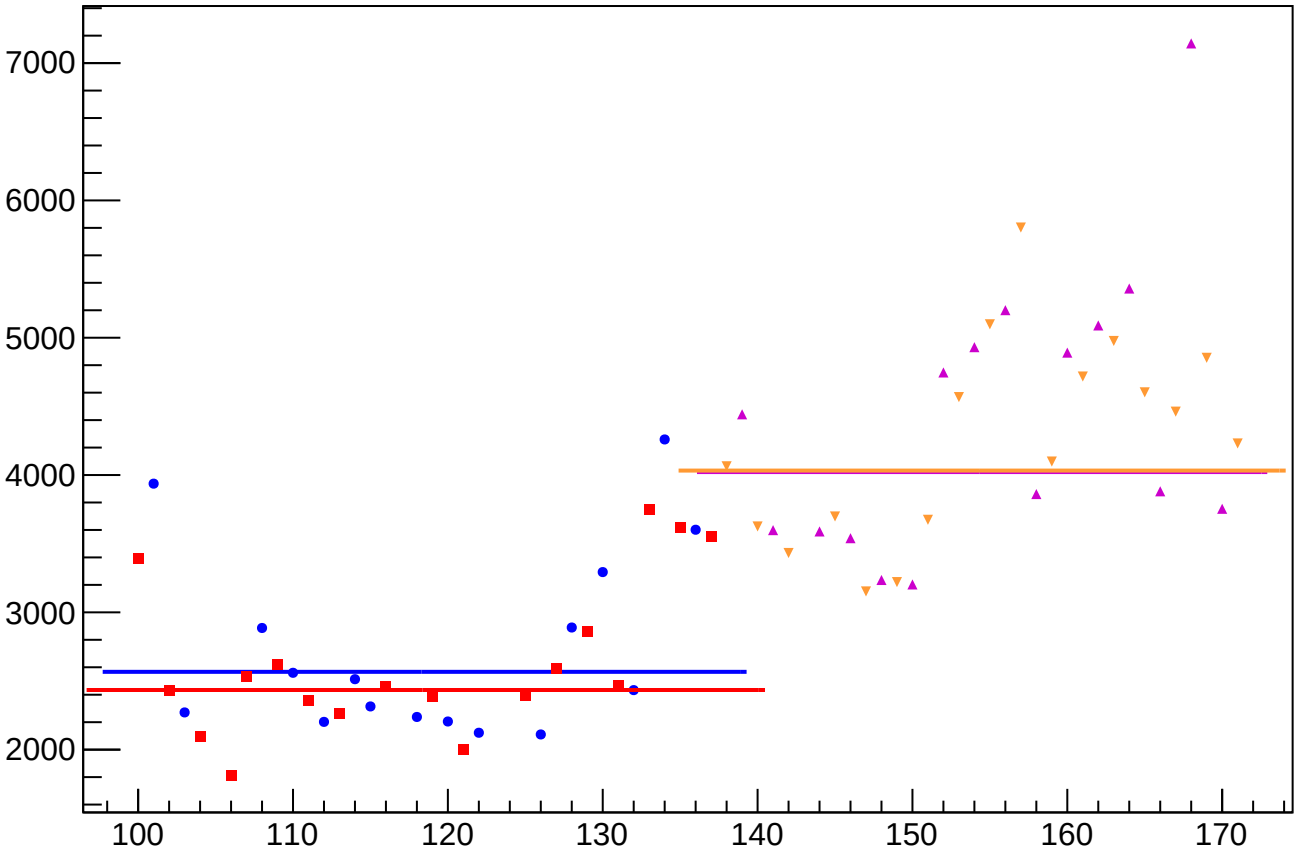
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1025.470+/-0.163 χ^2/NDF:1468751.9/31

Out: 1013.476+/-0.160 χ^2/NDF:1403289.0/34

All: 1019.360+/-0.114 χ^2/NDF: 2874786.0/66


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: -814.934+/-1131.976 χ²/NDF:10.0/15
Left: -604.742+/-797.490 χ²/NDF: 33.5/32
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: -20.384+/-740.852 χ²/NDF:25.5/31
Out: -142.907+/-712.833 χ²/NDF:40.7/34
All: -84.006+/-513.669 χ²/NDF: 66.3/66



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: 4021.636+/-0.800 χ^2/NDF:1036390.8/15

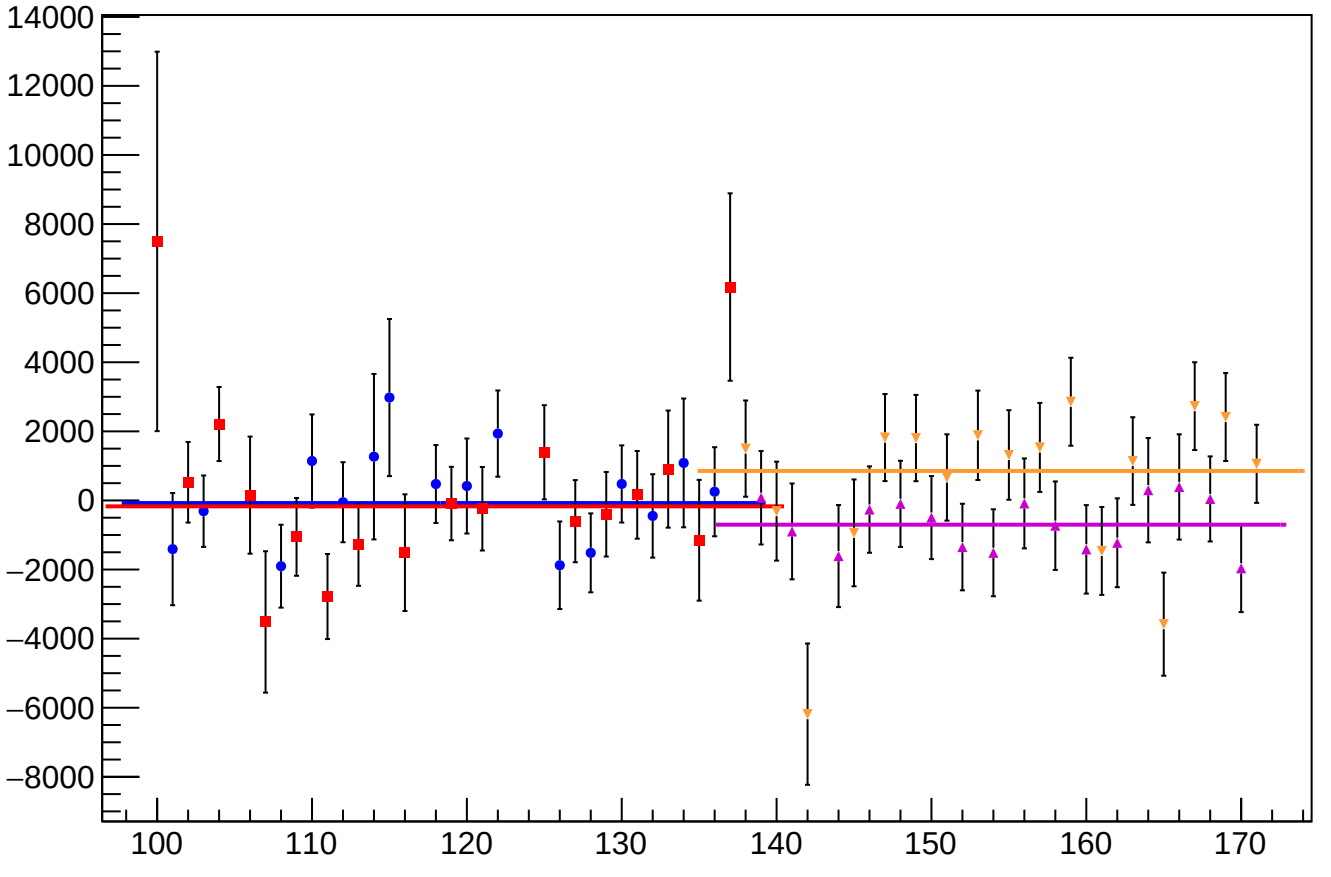
Left: 4027.079+/-0.564 χ^2/NDF: 1768632.5/32

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3189.925+/-0.524 χ^2/NDF:3590957.0/31

Out: 3077.482+/-0.504 χ^2/NDF:3583284.0/34

All: 3131.537+/-0.363 χ^2/NDF: 7198164.3/66



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: -701.185+/-327.327 χ^2/NDF:4.8/15

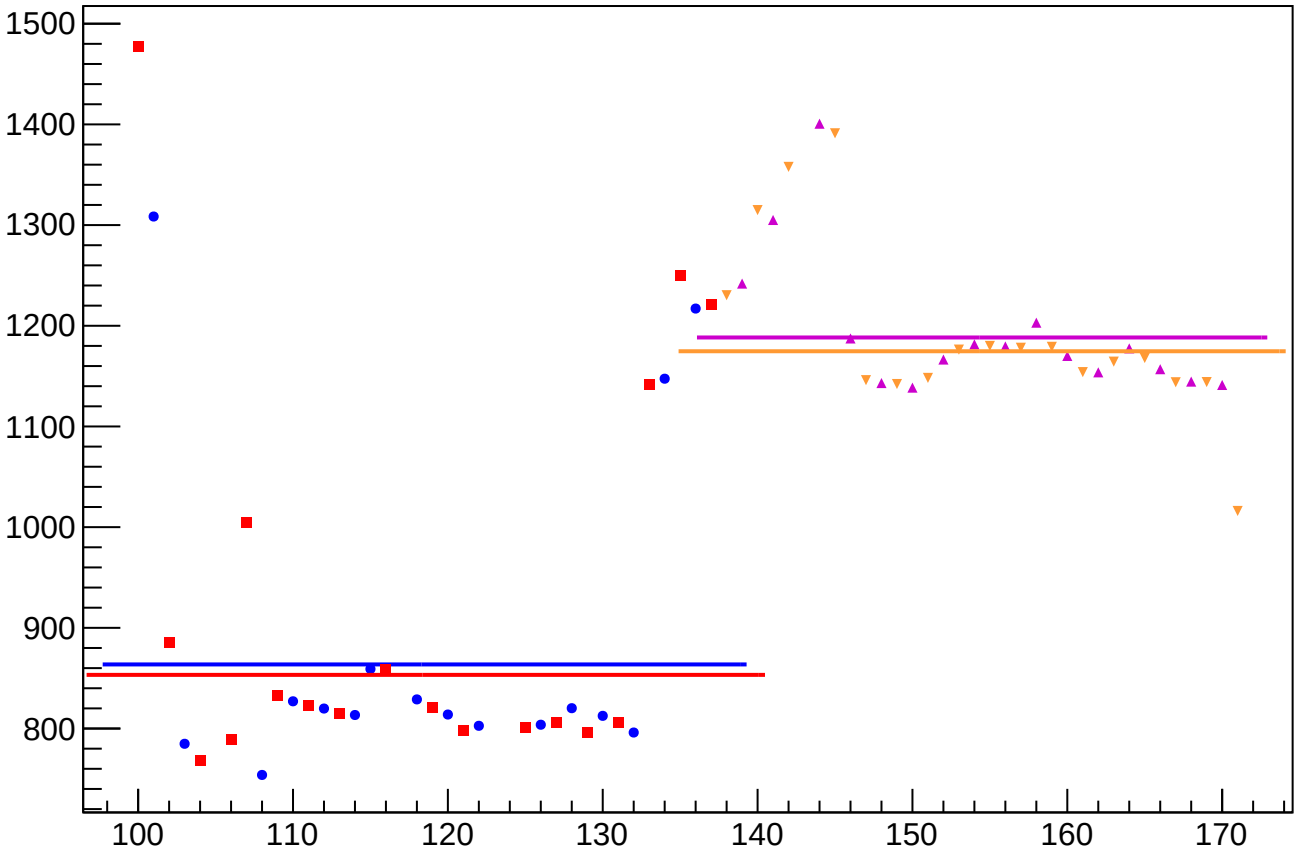
Left: 91.277+/-229.259 χ^2/NDF: 51.0/32

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -387.551+/-231.065 χ^2/NDF:20.0/31

Out: 342.694+/-227.347 χ^2/NDF:64.1/34

All: -16.506+/-162.057 χ^2/NDF: 89.2/66



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: 1188.372+/-0.231 χ^2/NDF:73860.0/15

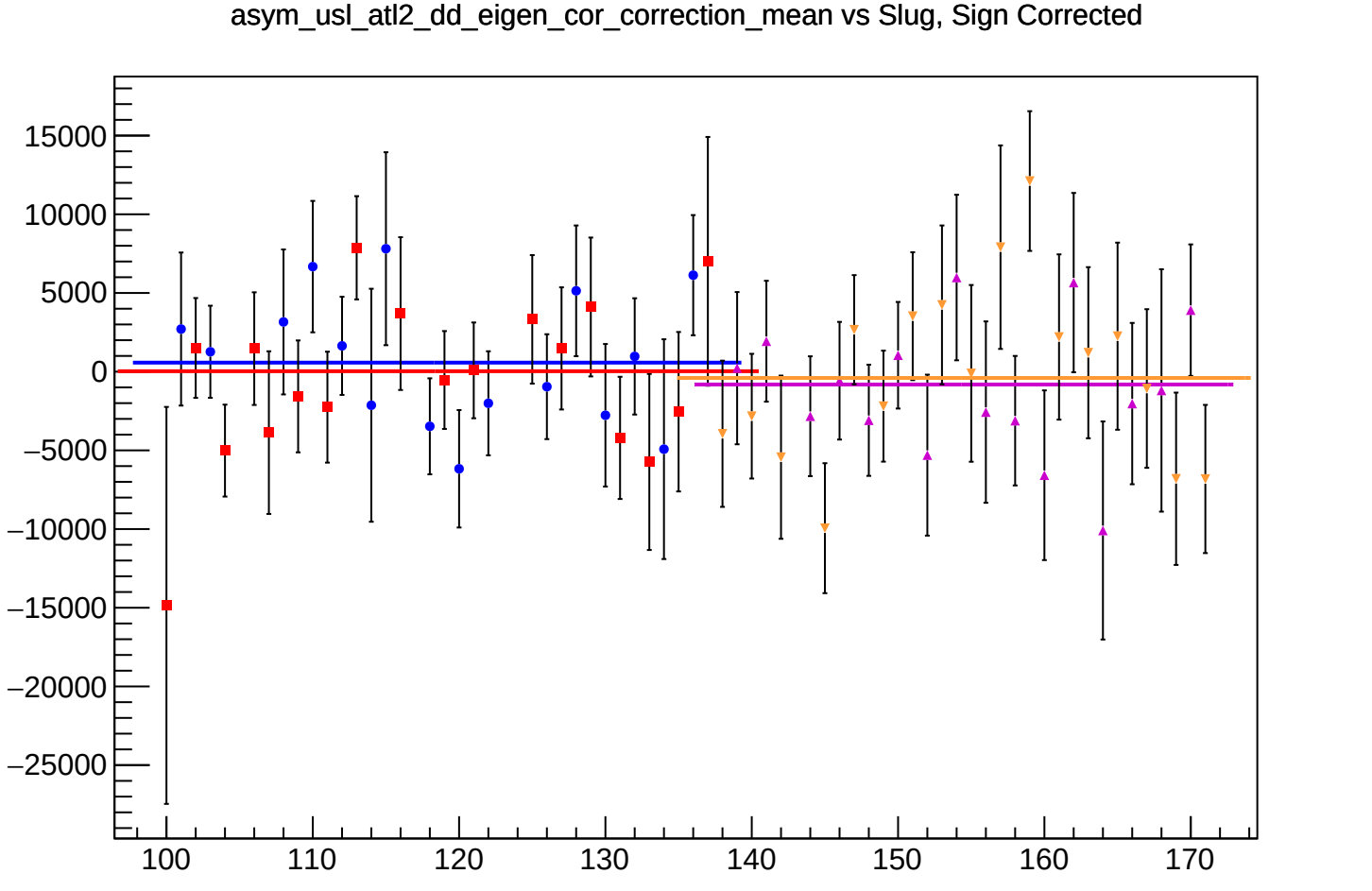
Left: 1181.406+/-0.162 χ^2/NDF: 199068.5/32

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1025.470+/-0.163 χ^2/NDF:1468751.9/31

Out: 1013.476+/-0.160 χ^2/NDF:1403289.0/34

All: 1019.360+/-0.114 χ^2/NDF: 2874786.0/66



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: -814.934+/-1131.976 χ^2/NDF:10.0/15

Left: -604.742+/-797.490 χ^2/NDF: 33.5/32

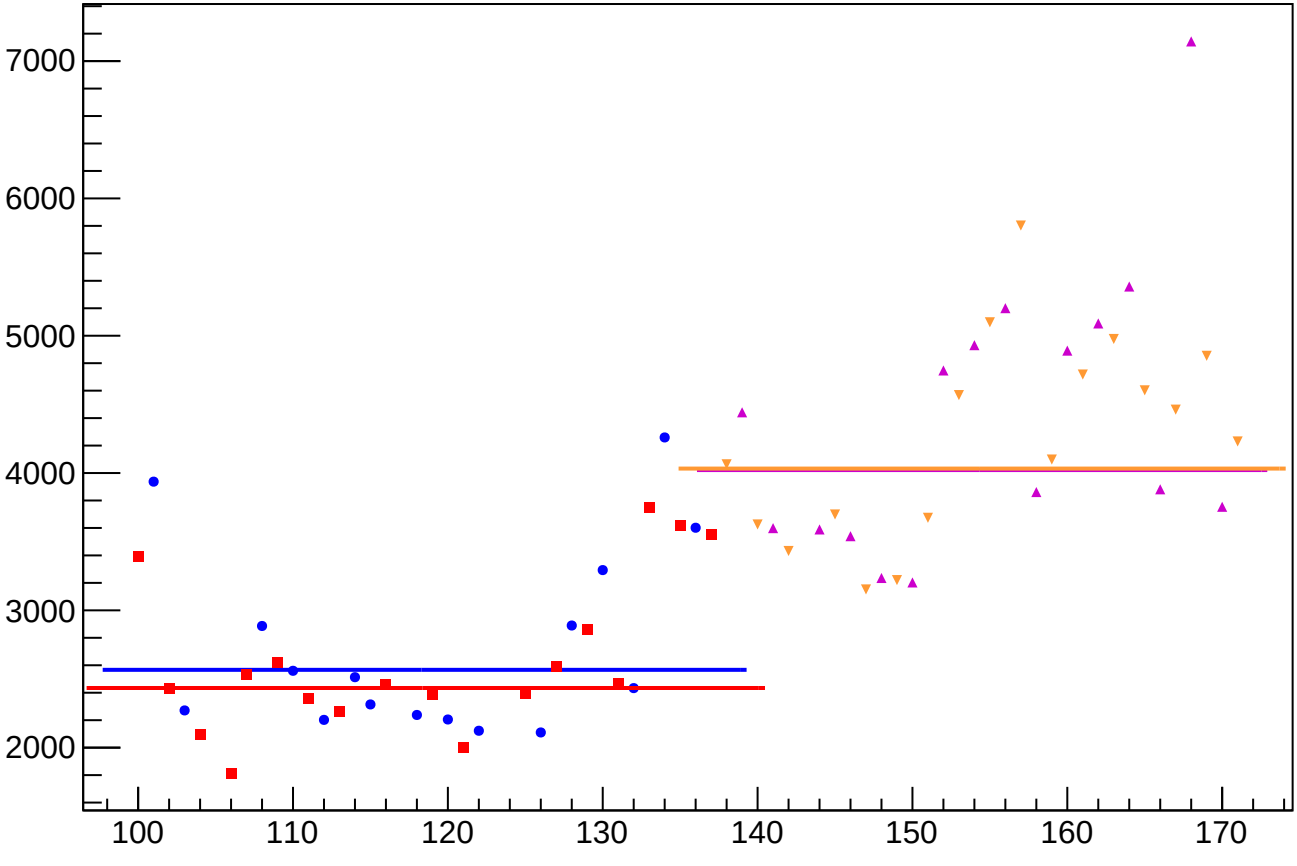
Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: -20.384+/-740.852 χ^2/NDF:25.5/31

Out: -142.907+/-712.833 χ^2/NDF:40.7/34

All: -84.006+/-513.669 χ^2/NDF: 66.3/66

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 4032.444+/-0.795 χ^2/NDF:732149.9/16

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 4021.636+/-0.800 χ^2/NDF:1036390.8/15

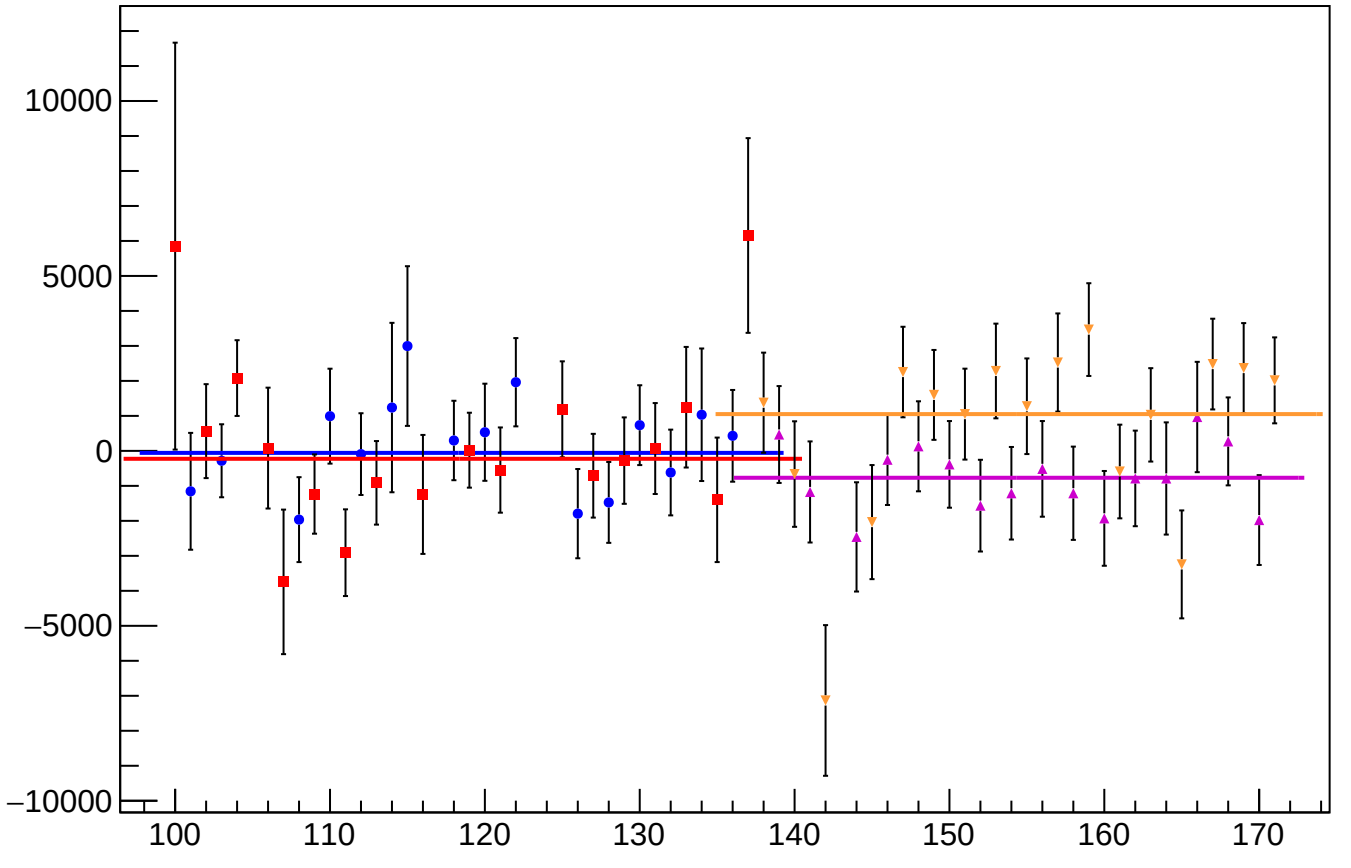
Left: 4027.079+/-0.564 χ^2/NDF: 1768632.5/32

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3189.925+/-0.524 χ^2/NDF:3590957.0/31

Out: 3077.482+/-0.504 χ^2/NDF:3583284.0/34

All: 3131.537+/-0.363 χ^2/NDF: 7198164.3/66



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: -768.427+/-340.444 χ^2/NDF:6.9/15

Left: 154.353+/-239.011 χ^2/NDF: 59.3/32

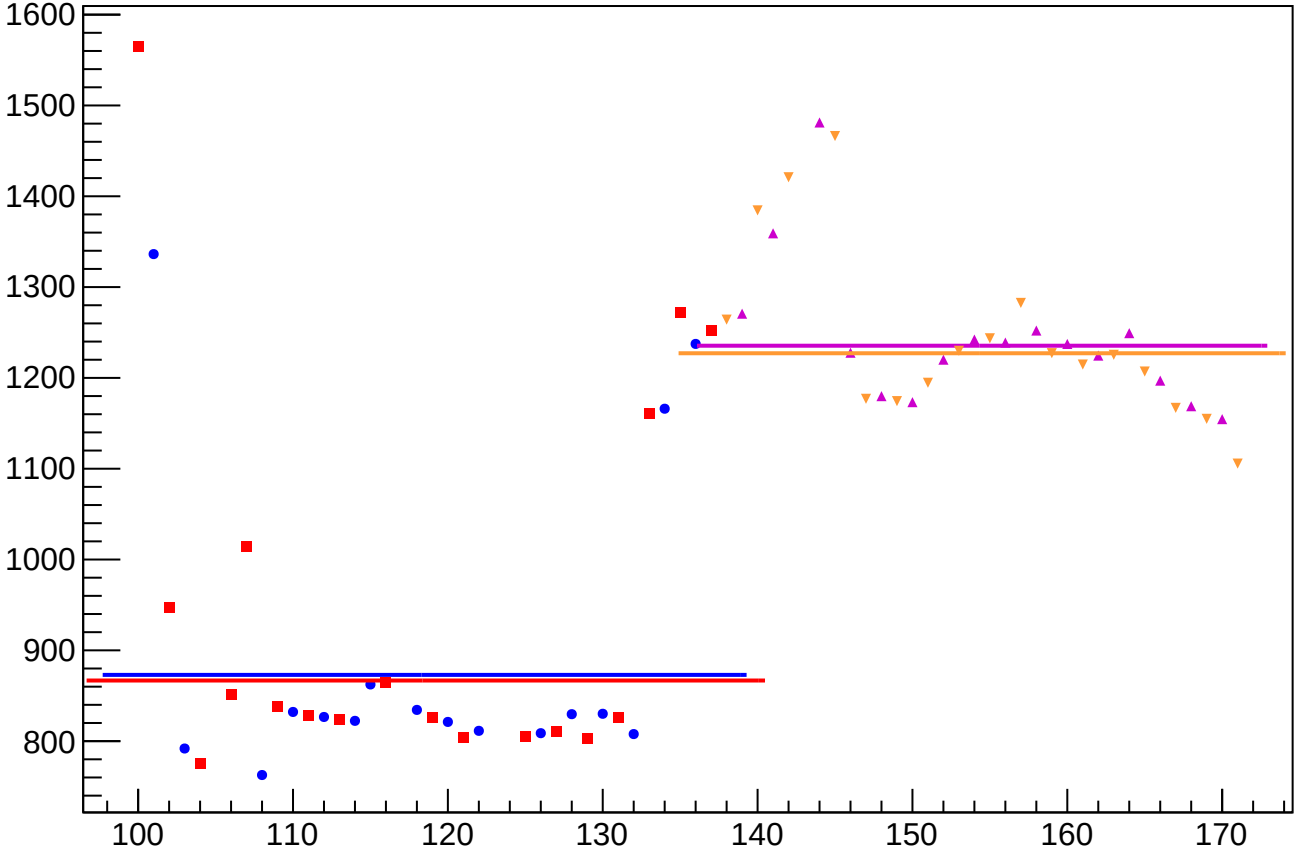
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -401.836+/-236.984 χ^2/NDF:22.2/31

Out: 398.026+/-234.608 χ^2/NDF:68.2/34

All: 2.124+/-166.727 χ^2/NDF: 96.1/66

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: 1235.443+/-0.241 χ^2/NDF:90058.5/15

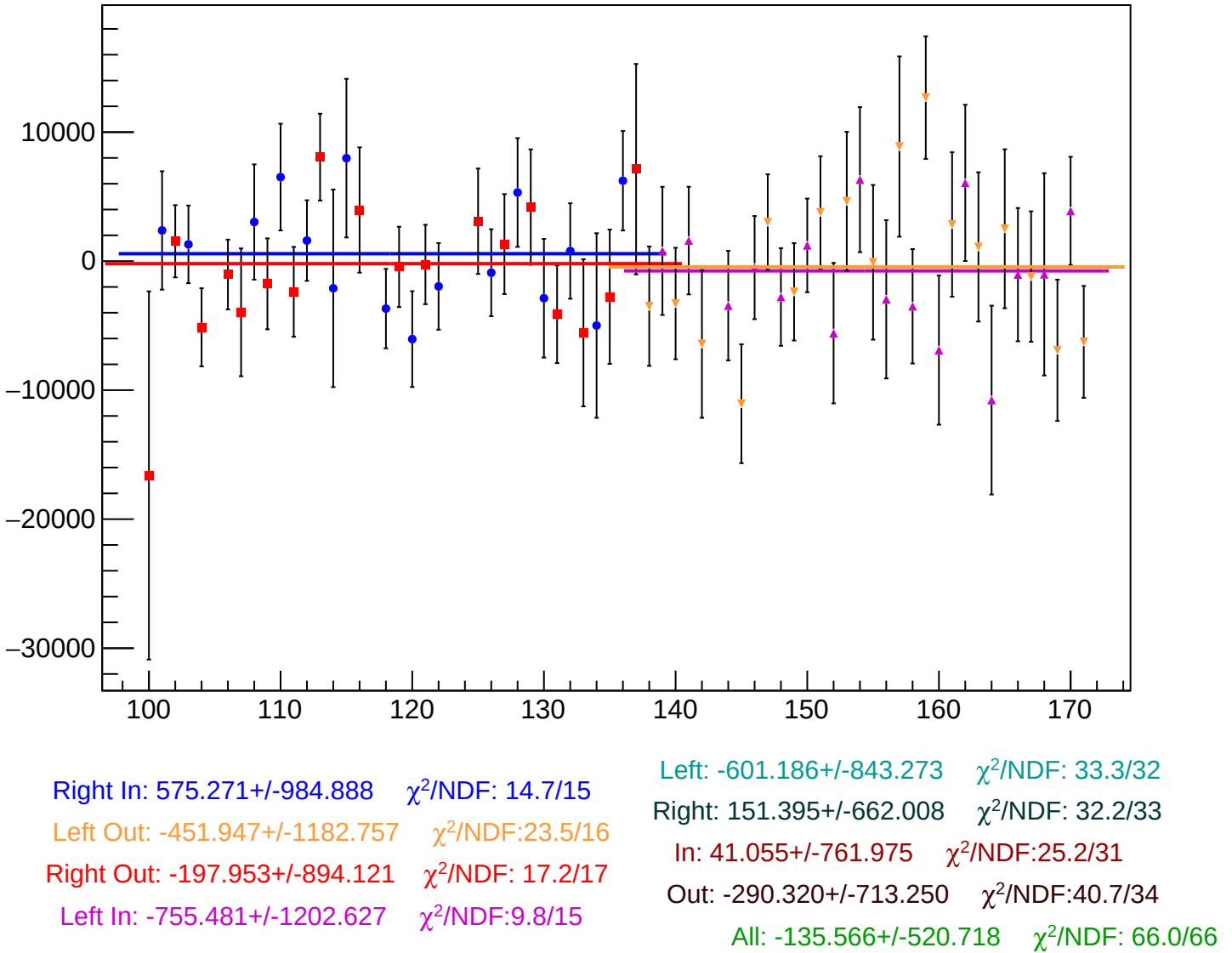
Left: 1231.232+/-0.169 χ^2/NDF: 214761.4/32

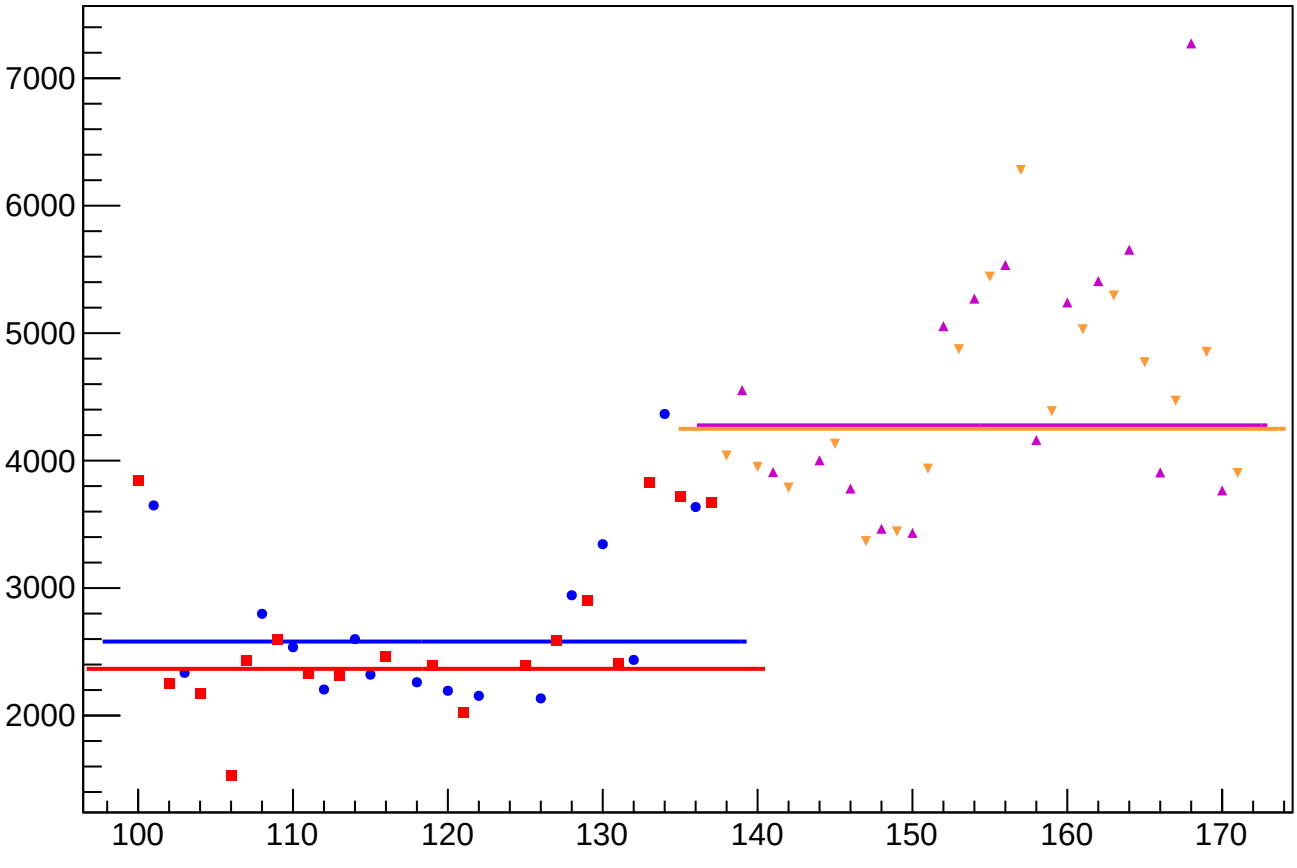
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.611+/-0.168 χ^2/NDF:1675758.2/31

Out: 1042.670+/-0.166 χ^2/NDF:1594714.5/34

All: 1045.609+/-0.118 χ^2/NDF: 3271107.6/66


asym_usl_atl2_dd_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 575.271+/-984.888 χ²/NDF: 14.7/15
Left Out: -451.947+/-1182.757 χ²/NDF:23.5/16
Right Out: -197.953+/-894.121 χ²/NDF: 17.2/17
Left In: -755.481+/-1202.627 χ²/NDF:9.8/15
Left: -601.186+/-843.273 χ²/NDF: 33.3/32
Right: 151.395+/-662.008 χ²/NDF: 32.2/33
In: 41.055+/-761.975 χ²/NDF:25.2/31
Out: -290.320+/-713.250 χ²/NDF:40.7/34
All: -135.566+/-520.718 χ²/NDF: 66.0/66



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: 4276.509+/-0.850 χ^2/NDF:978202.2/15

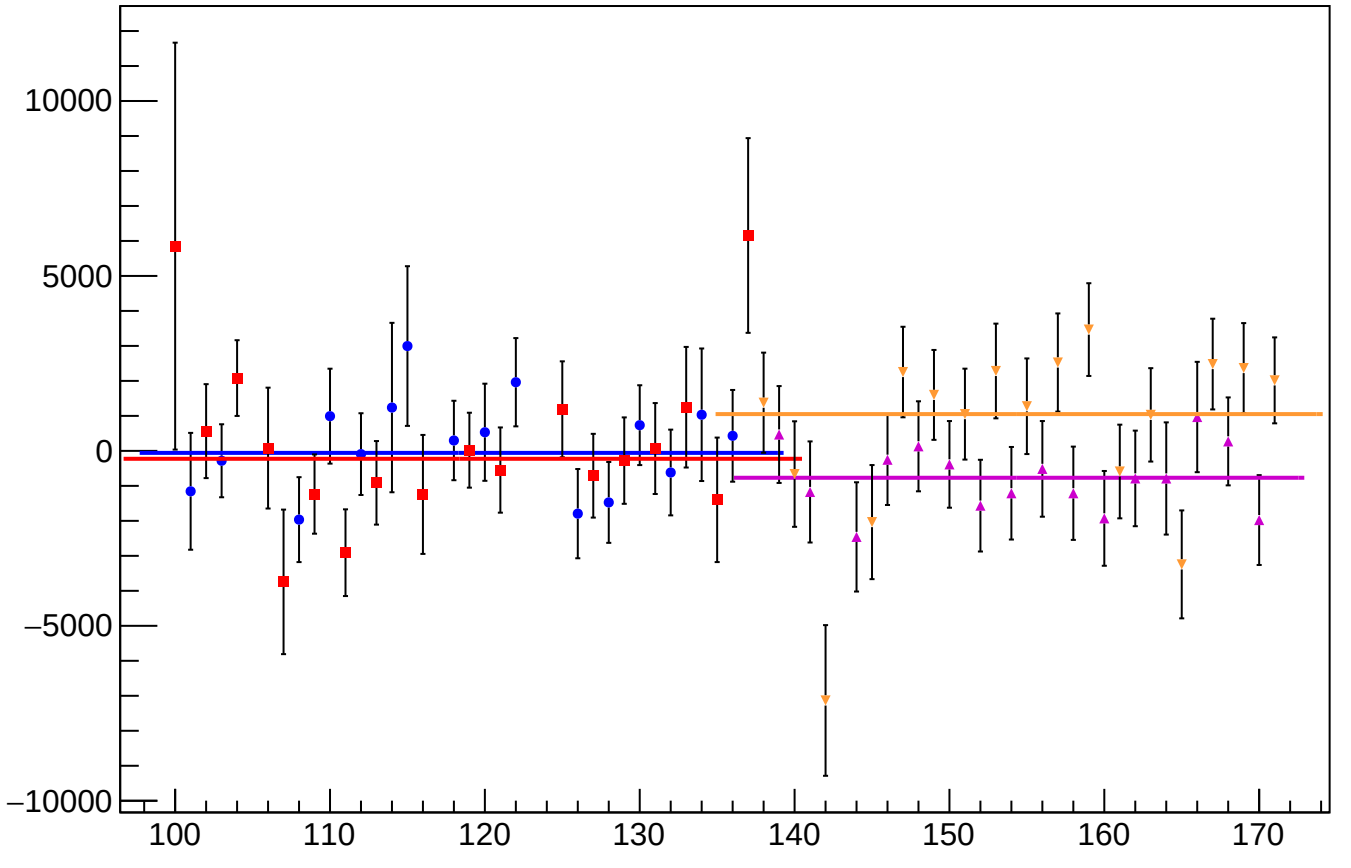
Left: 4262.820+/-0.596 χ^2/NDF: 1657589.4/32

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3261.271+/-0.539 χ^2/NDF:3976557.2/31

Out: 3051.240+/-0.504 χ^2/NDF:4516894.2/34

All: 3149.326+/-0.368 χ^2/NDF: 8574442.2/66



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: -768.427+/-340.444 χ^2/NDF:6.9/15

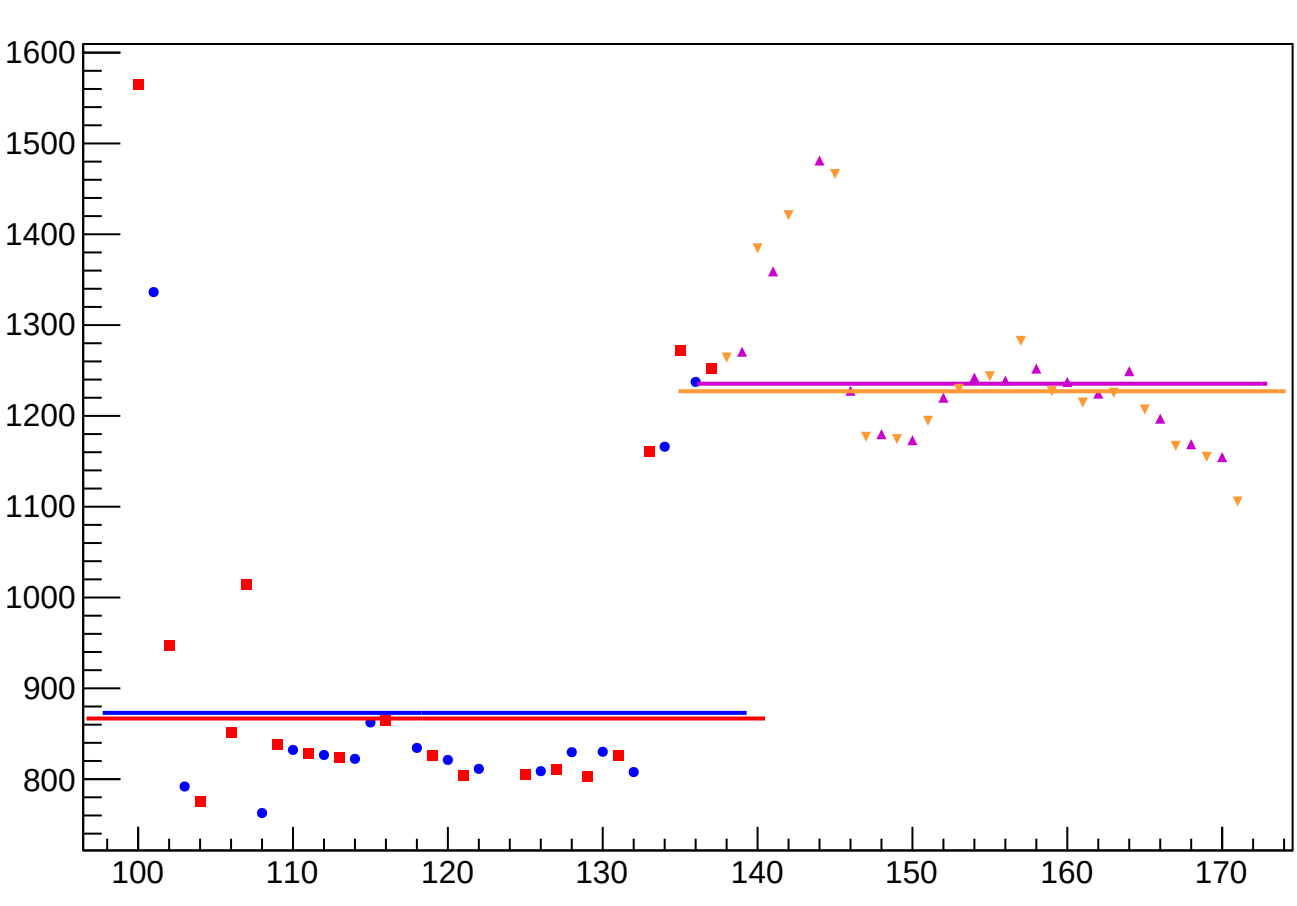
Left: 154.353+/-239.011 χ^2/NDF: 59.3/32

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -401.837+/-236.984 χ^2/NDF:22.2/31

Out: 398.024+/-234.609 χ^2/NDF:68.2/34

All: 2.122+/-166.727 χ^2/NDF: 96.1/66



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: 1235.444+/-0.241 χ^2/NDF:90059.5/15

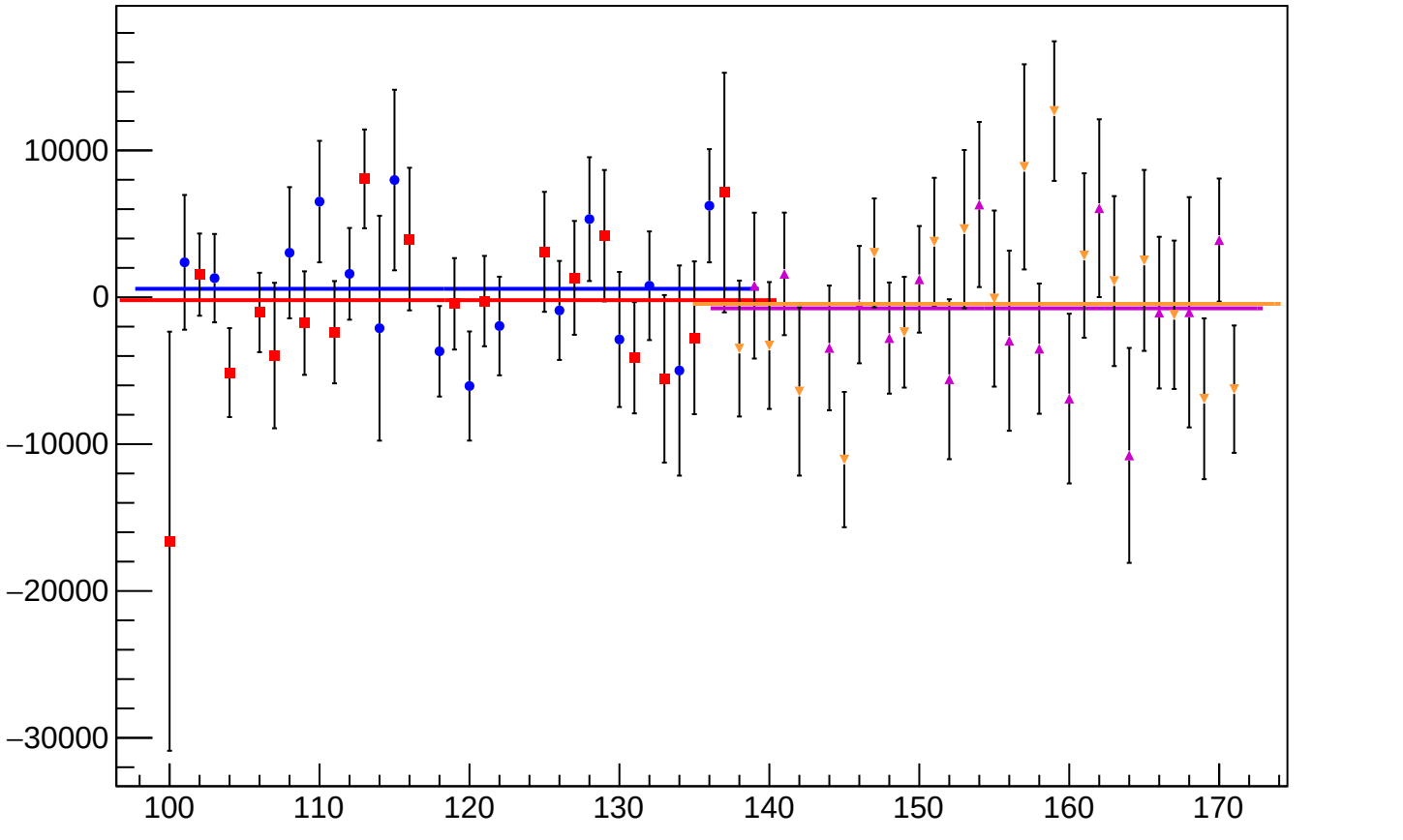
Left: 1231.233+/-0.169 χ^2/NDF: 214767.2/32

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.611+/-0.168 χ^2/NDF:1675765.3/31

Out: 1042.671+/-0.166 χ^2/NDF:1594721.8/34

All: 1045.609+/-0.118 χ^2/NDF: 3271122.1/66



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: -755.480+/-1202.628 χ^2/NDF:9.8/15

Left: -601.184+/-843.274 χ^2/NDF: 33.3/32

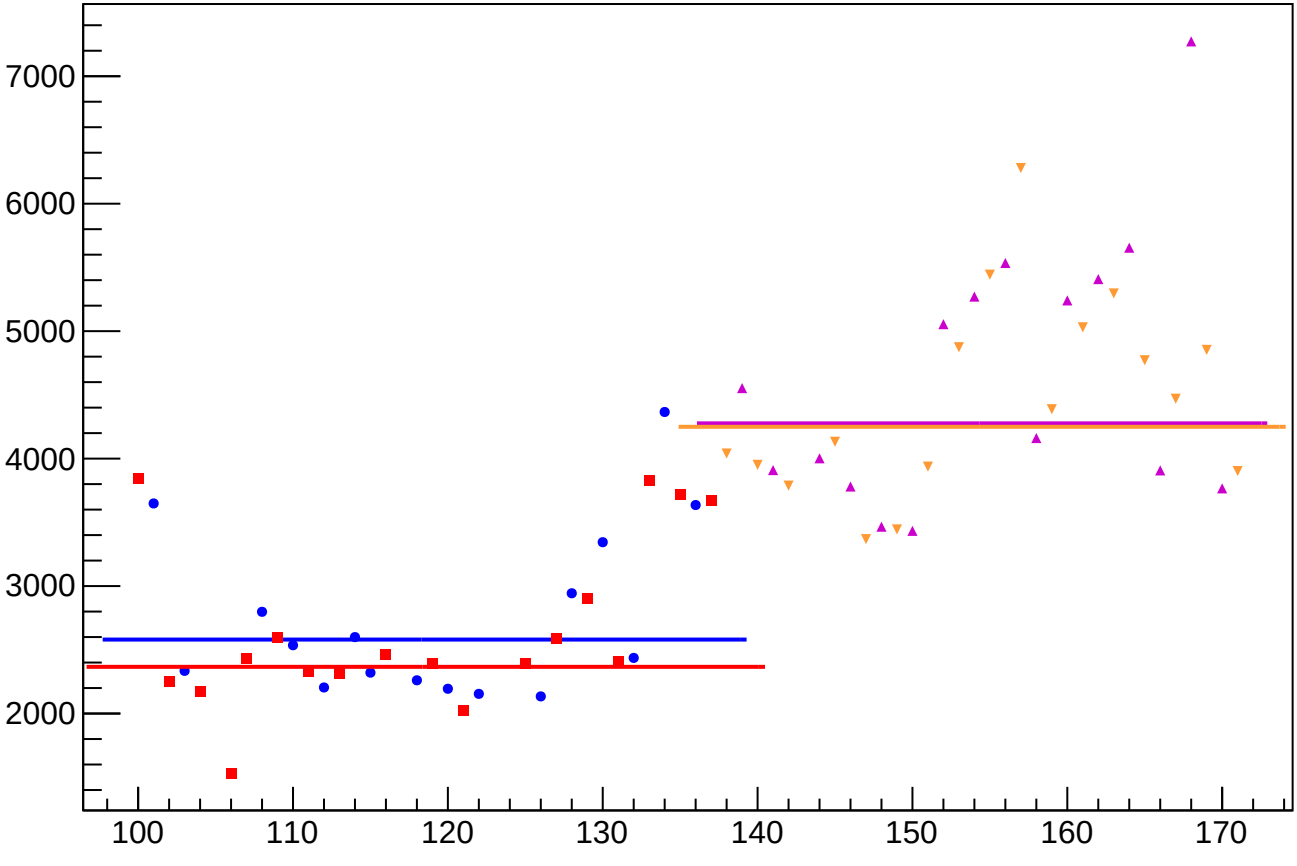
Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 41.055+/-761.974 χ^2/NDF:25.2/31

Out: -290.320+/-713.249 χ^2/NDF:40.7/34

All: -135.566+/-520.717 χ^2/NDF: 66.0/66

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



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: 4276.514+/-0.850 χ^2/NDF:978206.6/15

Left: 4262.826+/-0.596 χ^2/NDF: 1657595.7/32

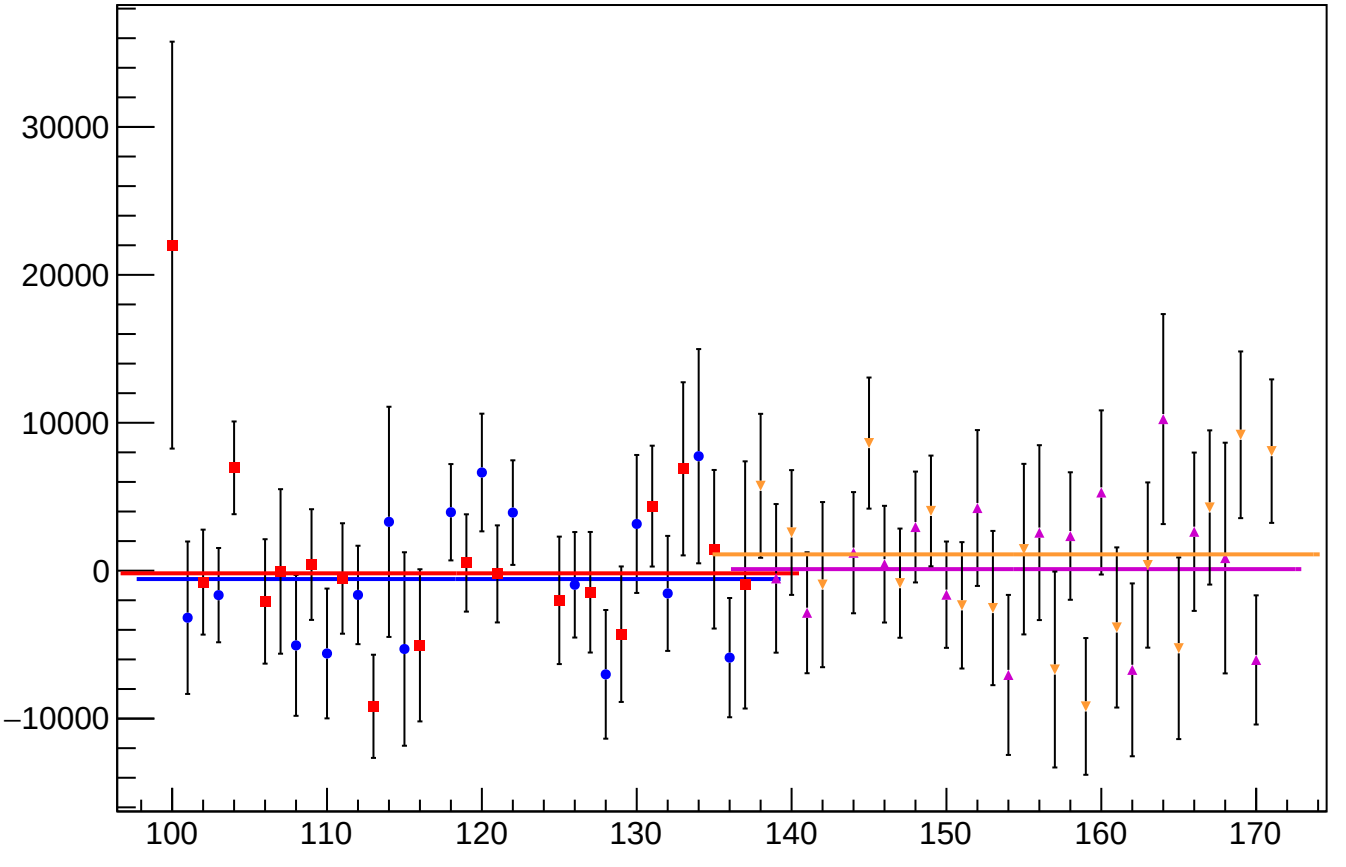
Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3261.265+/-0.539 χ^2/NDF:3976608.9/31

Out: 3051.235+/-0.504 χ^2/NDF:4516946.2/34

All: 3149.320+/-0.368 χ^2/NDF: 8574545.5/66

asym_usl_atl2_dd_mean vs Slug, Sign Corrected



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: 105.133+/-1186.888 χ^2/NDF:10.7/15

Left: 608.290+/-836.011 χ^2/NDF: 29.9/32

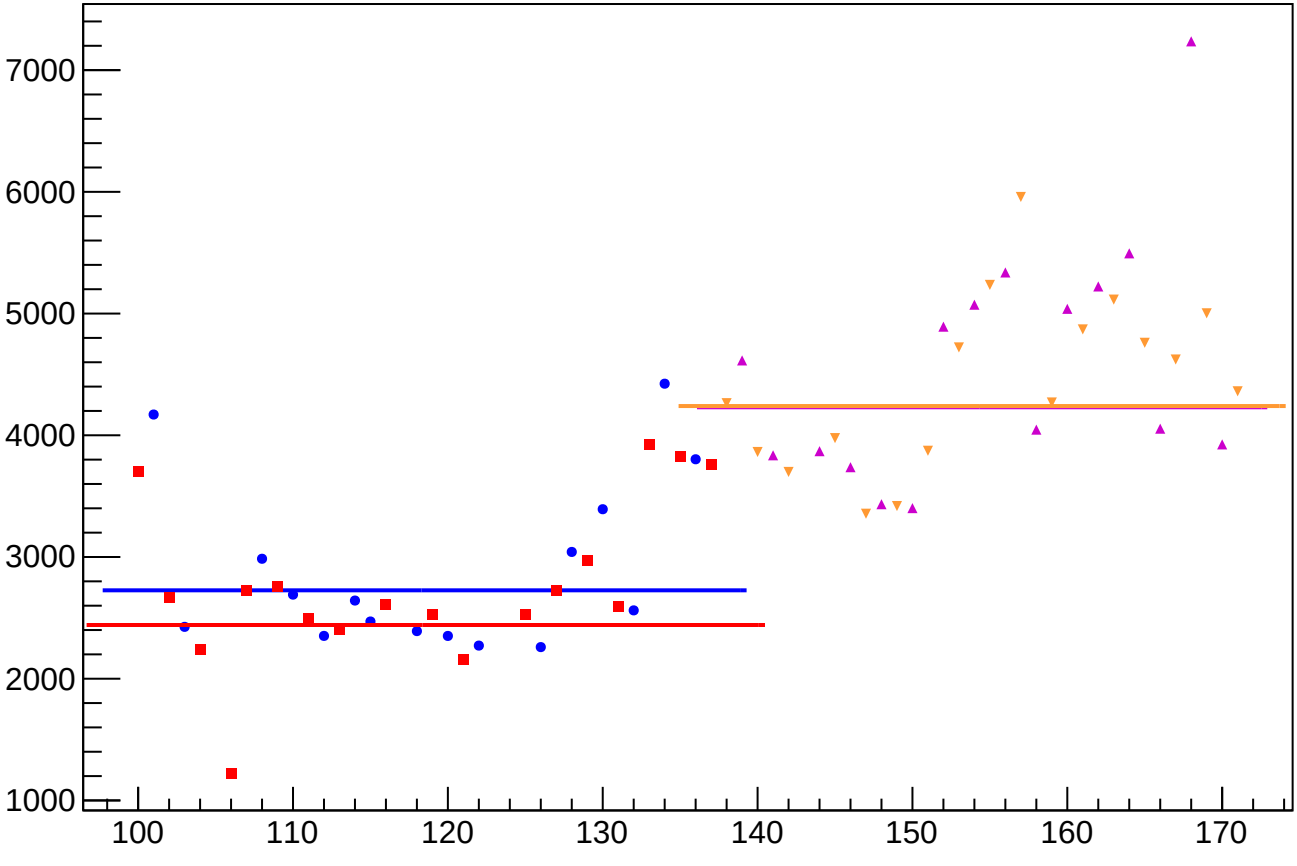
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -274.465+/-782.332 χ^2/NDF:27.1/31

Out: 351.323+/-757.110 χ^2/NDF:39.0/34

All: 48.679+/-544.056 χ^2/NDF: 66.5/66

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: 4230.009+/-0.839 χ^2/NDF:900338.4/15

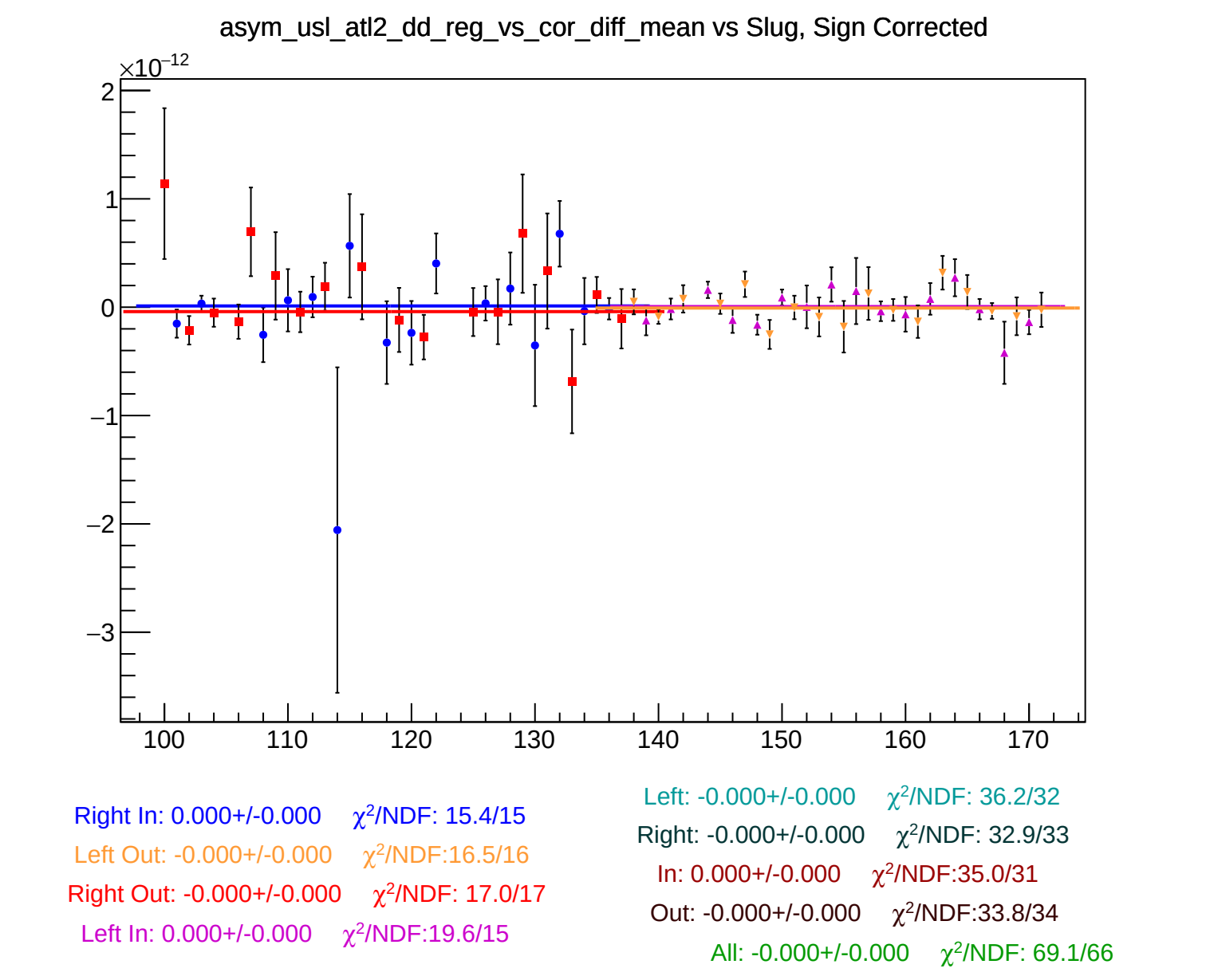
Left: 4235.133+/-0.591 χ^2/NDF: 1518687.4/32

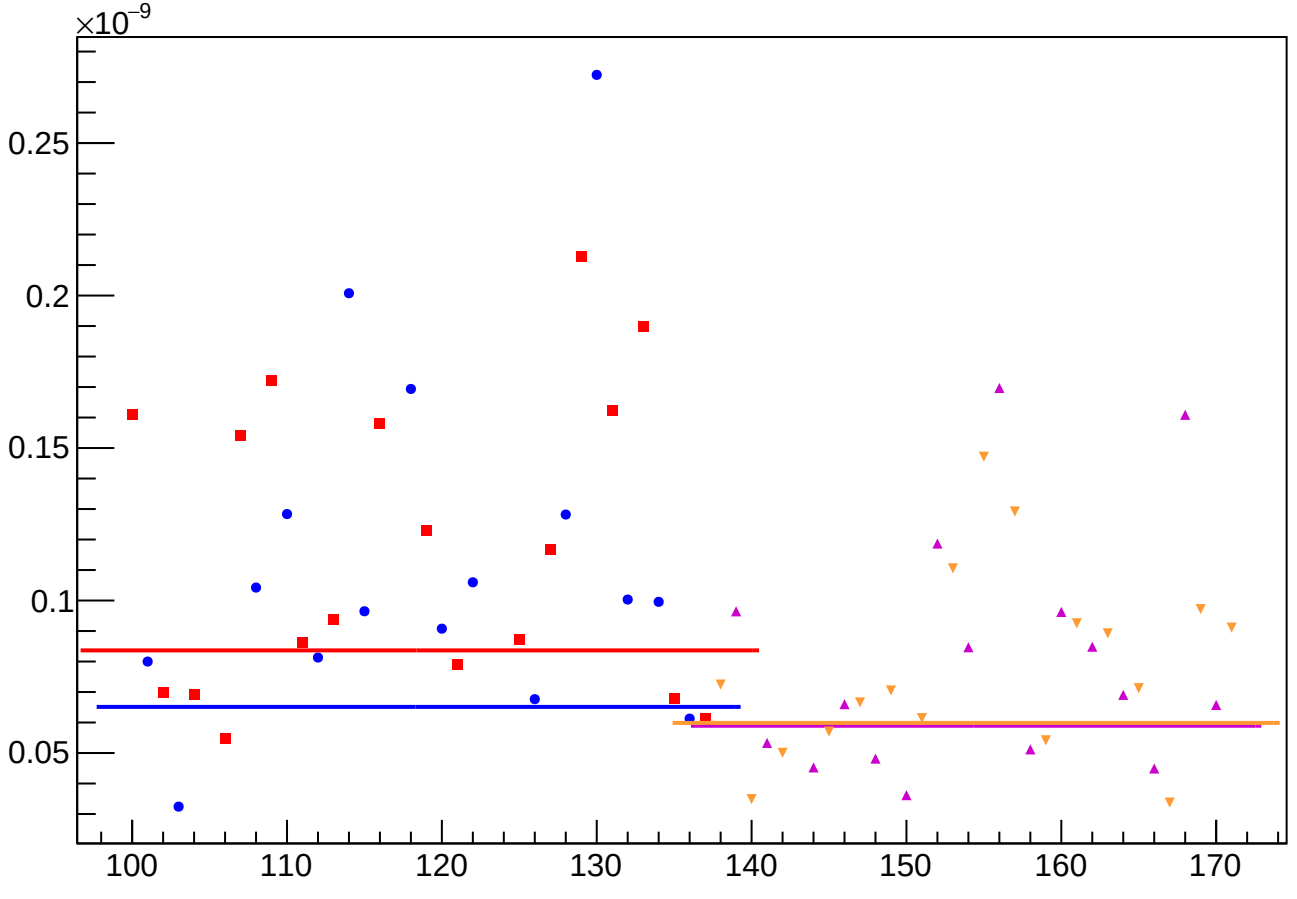
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3379.581+/-0.553 χ^2/NDF:3339066.8/31

Out: 3144.237+/-0.521 χ^2/NDF:4351832.2/34

All: 3254.768+/-0.379 χ^2/NDF: 7786886.0/66


asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: -0.000+/-0.000 χ²/NDF:16.5/16
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:19.6/15
Left: -0.000+/-0.000 χ²/NDF: 36.2/32
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:35.0/31
Out: -0.000+/-0.000 χ²/NDF:33.8/34
All: -0.000+/-0.000 χ²/NDF: 69.1/66



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:1445165.3/15

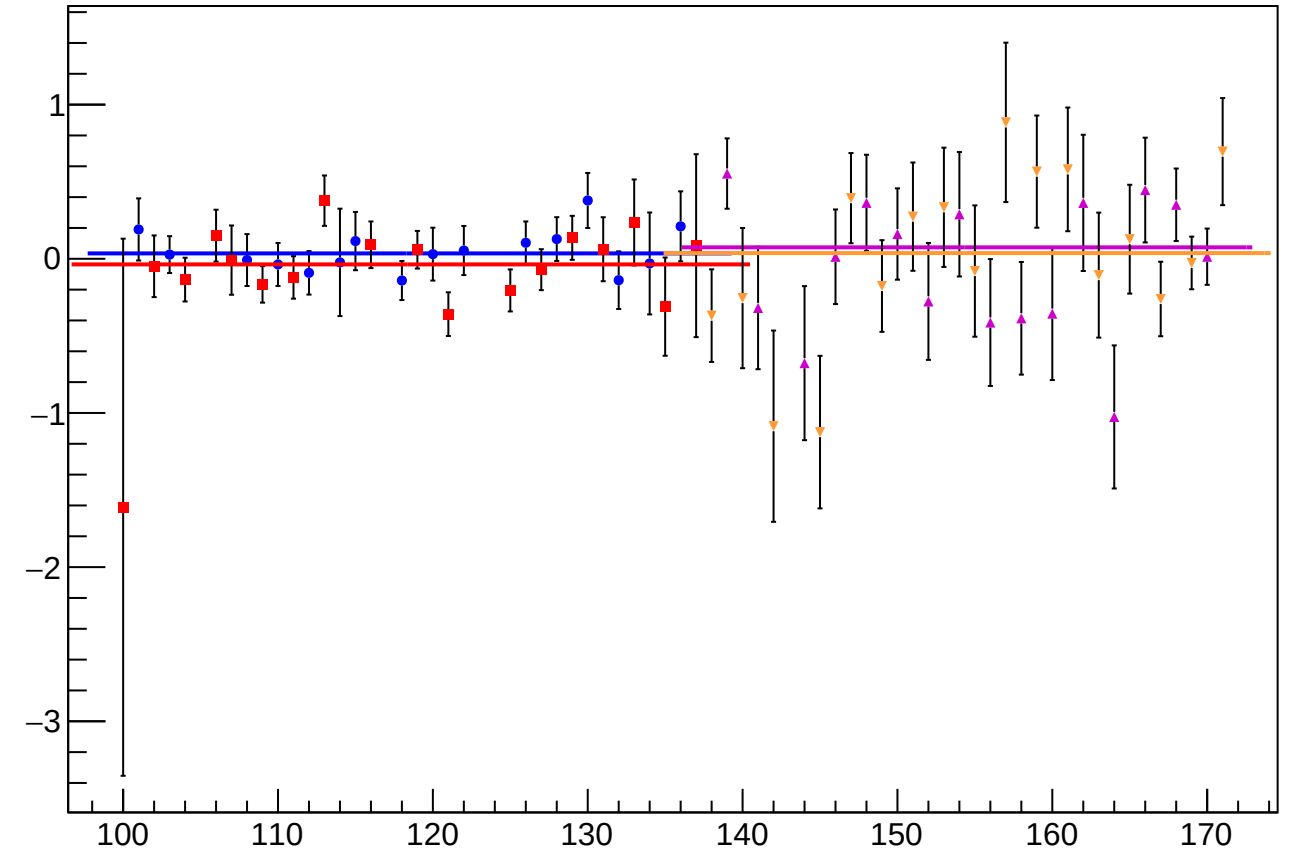
Left: 0.000+/-0.000 χ^2/NDF: 2983448.4/32

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2695547.2/31

Out: 0.000+/-0.000 χ^2/NDF:2538496.5/34

All: 0.000+/-0.000 χ^2/NDF: 5265712.2/66



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: 0.074+/-0.079 χ^2/NDF:22.5/15

Left: 0.056+/-0.056 χ^2/NDF: 48.8/32

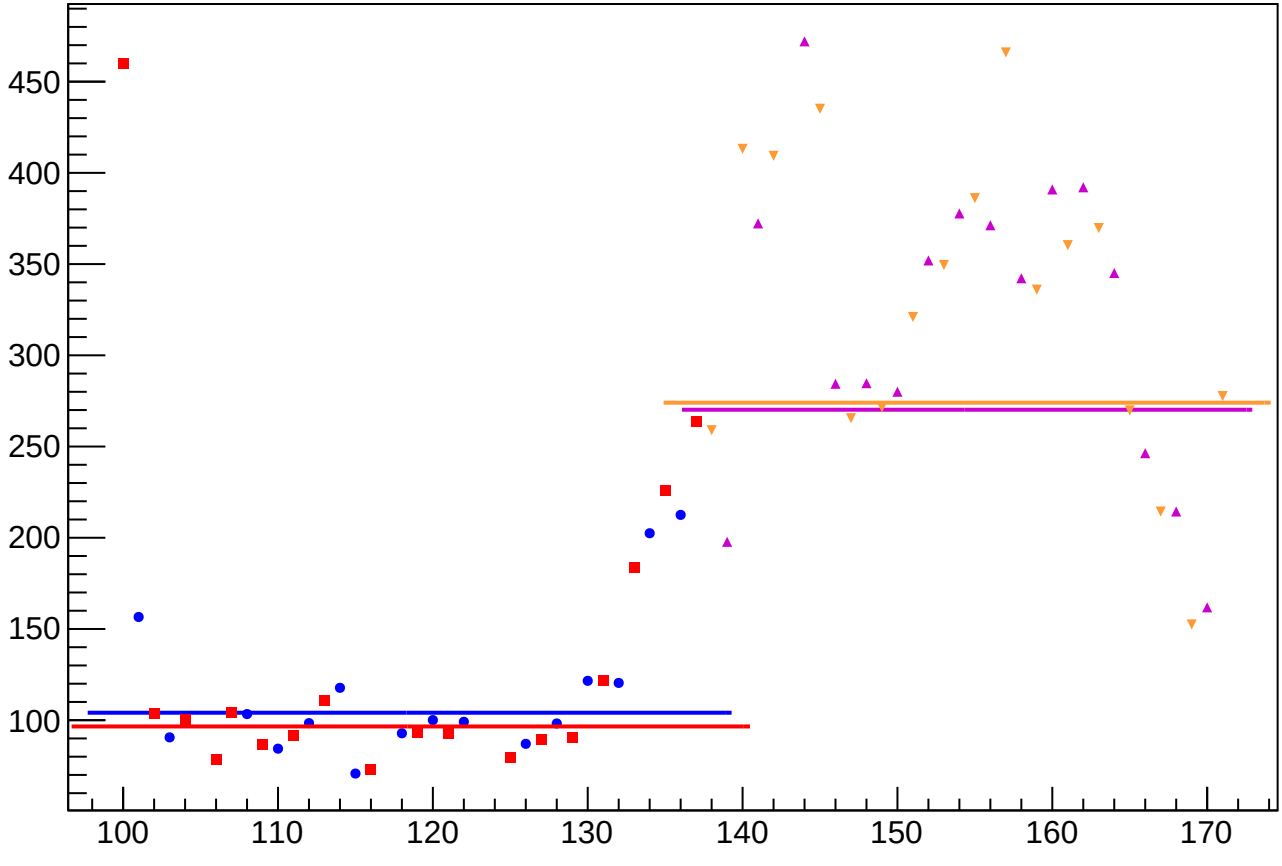
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.022+/-0.035 χ^2/NDF:48.9/34

All: 0.009+/-0.025 χ^2/NDF: 83.1/66

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 274.034+/-0.056 χ^2/NDF:2426059.5/16

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 270.171+/-0.056 χ^2/NDF:2293304.8/15

Left: 272.084+/-0.040 χ^2/NDF: 4721733.7/32

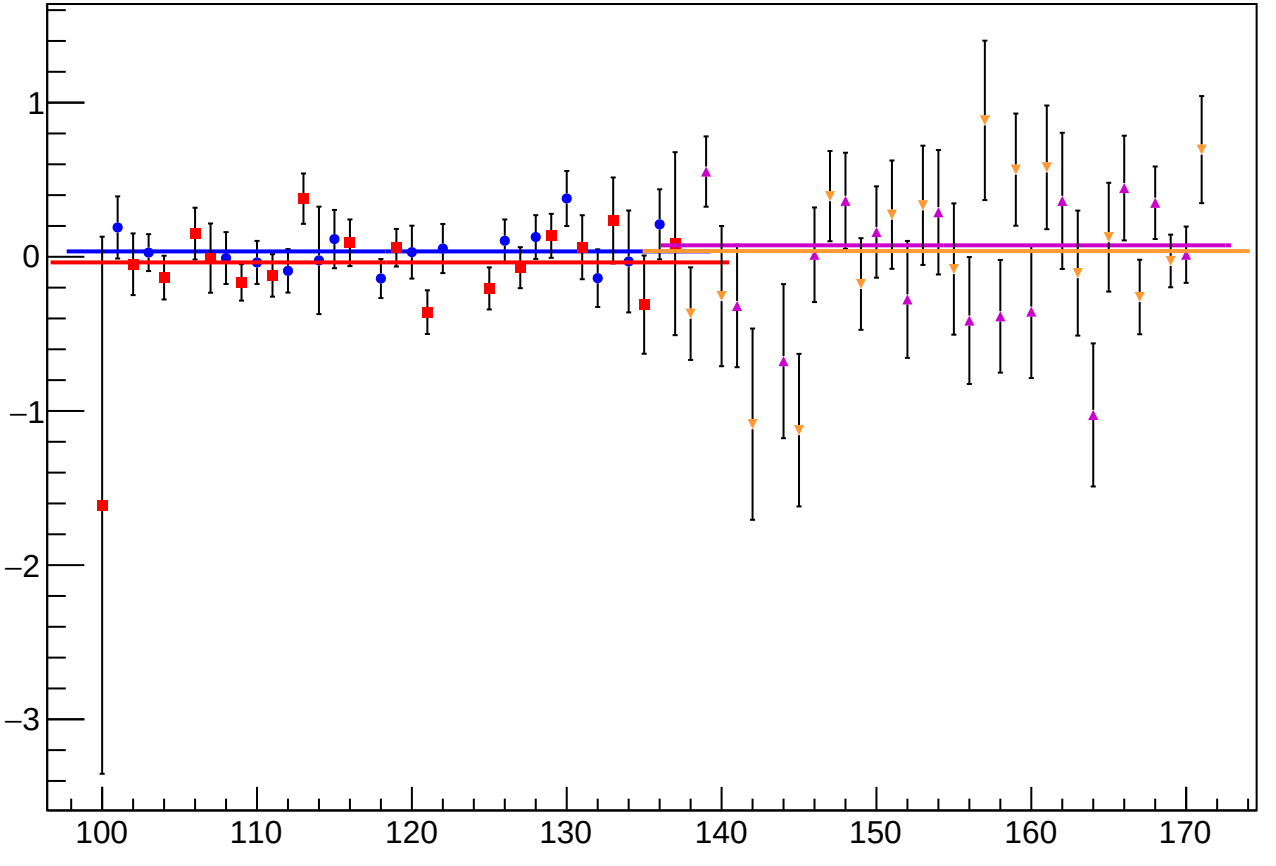
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 139.384+/-0.026 χ^2/NDF:10244579.2/31

Out: 130.682+/-0.025 χ^2/NDF:11382948.6/34

All: 134.856+/-0.018 χ^2/NDF: 21686971.7/66

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.037+/-0.080 χ^2/NDF:26.2/16

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.074+/-0.079 χ^2/NDF:22.5/15

Left: 0.056+/-0.056 χ^2/NDF: 48.8/32

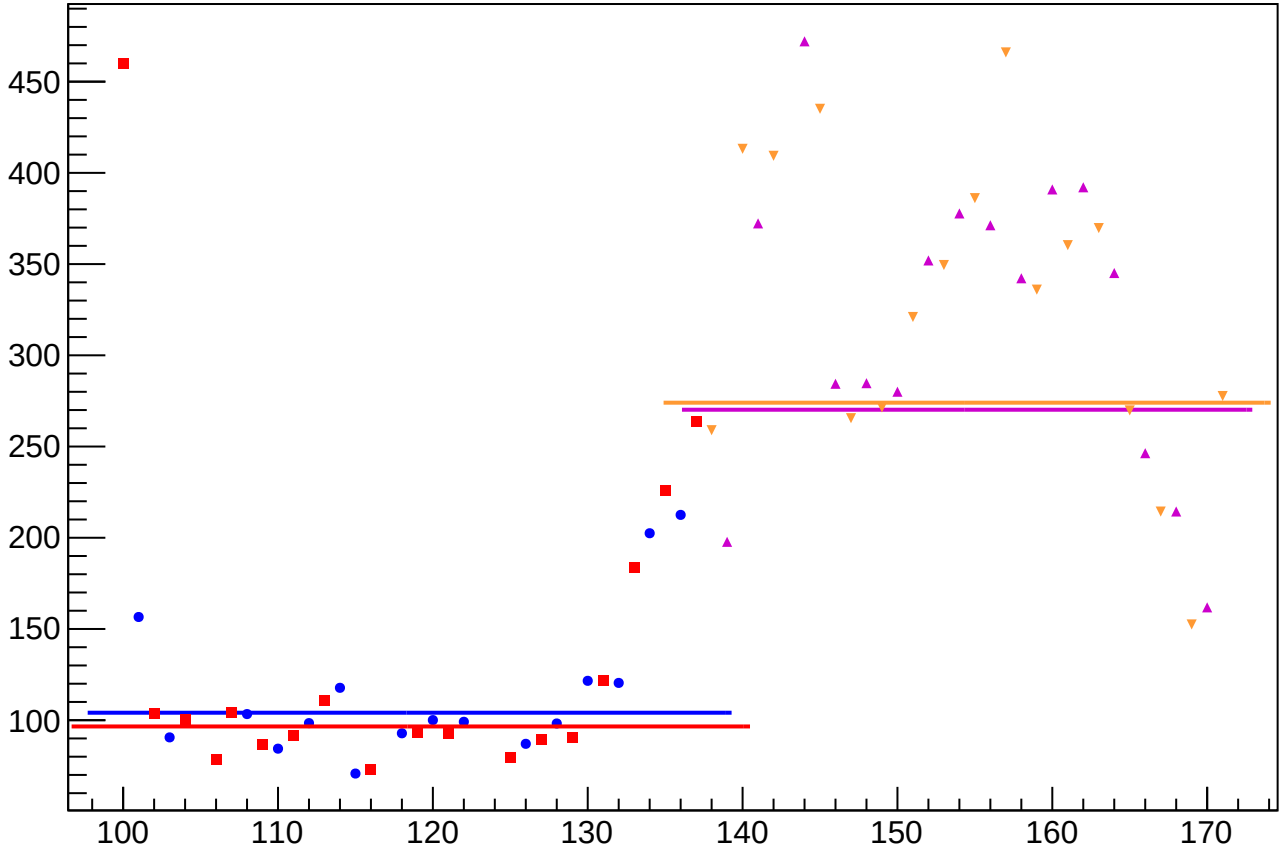
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.022+/-0.035 χ^2/NDF:48.9/34

All: 0.009+/-0.025 χ^2/NDF: 83.1/66

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: 270.171+/-0.056 χ^2/NDF:2293304.8/15

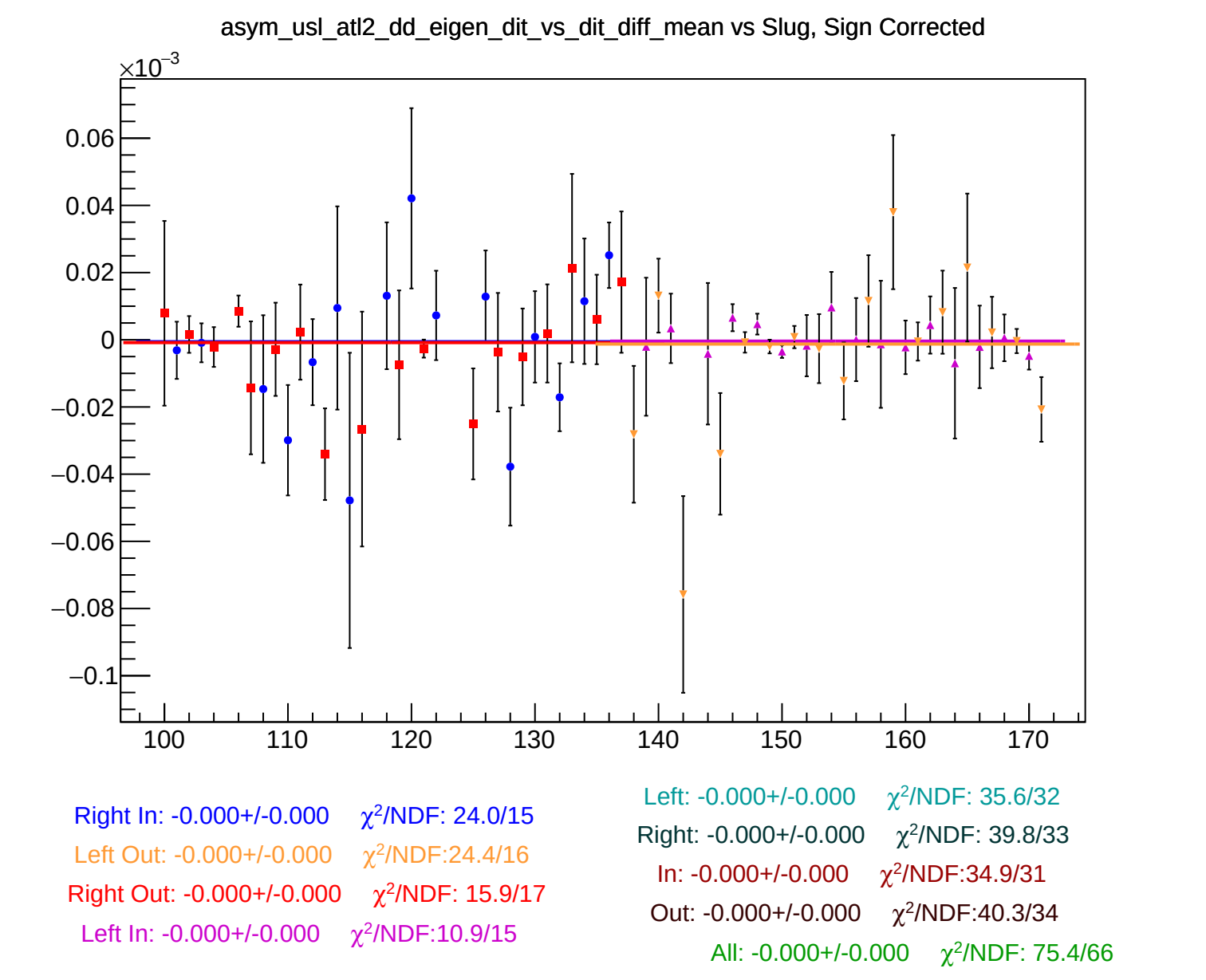
Left: 272.084+/-0.040 χ^2/NDF: 4721733.7/32

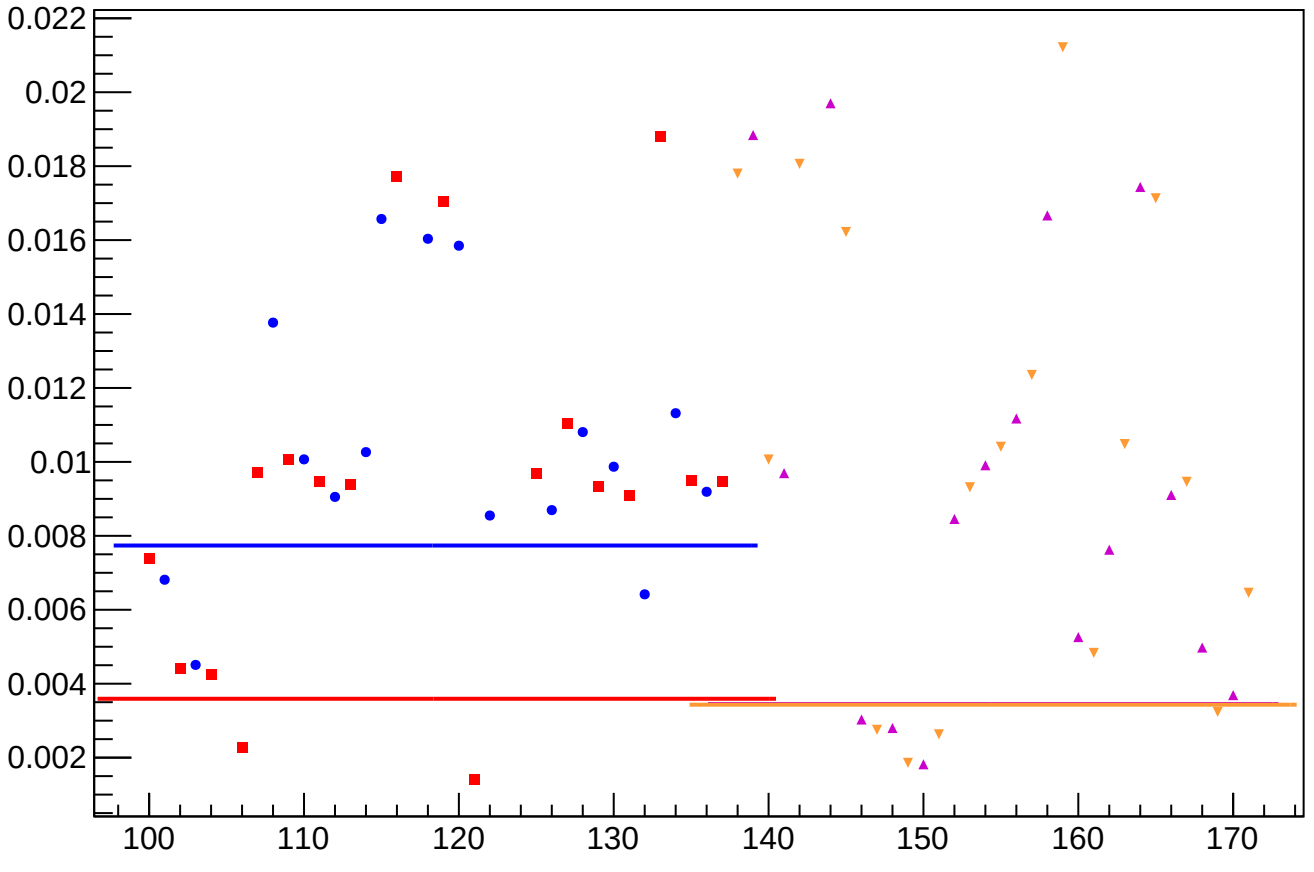
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 139.384+/-0.026 χ^2/NDF:10244579.2/31

Out: 130.682+/-0.025 χ^2/NDF:11382948.6/34

All: 134.856+/-0.018 χ^2/NDF: 21686971.7/66


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:10.9/15
Left: -0.000+/-0.000 χ²/NDF: 35.6/32
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:34.9/31
Out: -0.000+/-0.000 χ²/NDF:40.3/34
All: -0.000+/-0.000 χ²/NDF: 75.4/66



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: 0.003+/-0.000 χ^2/NDF:9582773.4/15

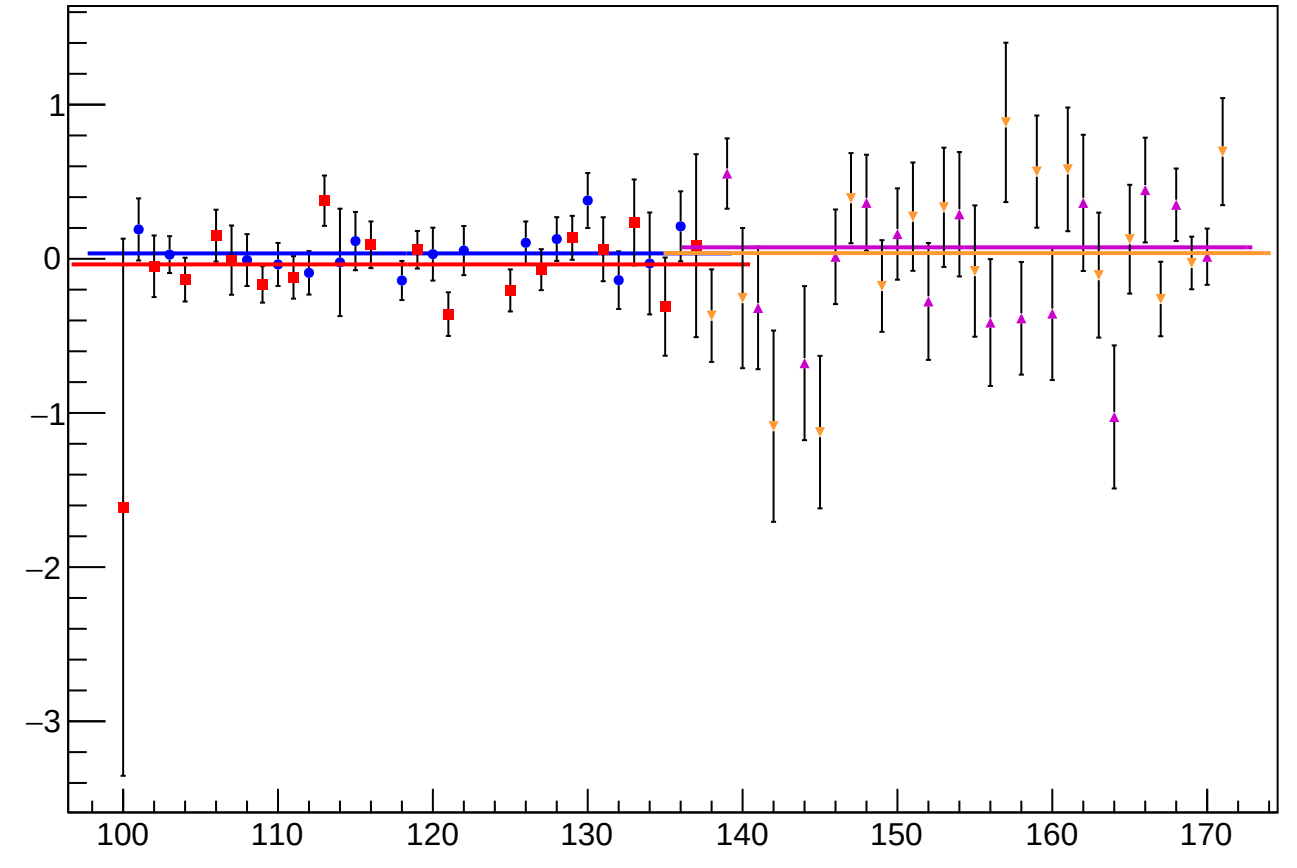
Left: 0.003+/-0.000 χ^2/NDF: 20057911.2/32

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:14521826.4/31

Out: 0.003+/-0.000 χ^2/NDF:16850026.1/34

All: 0.004+/-0.000 χ^2/NDF: 31655008.8/66



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: 0.074+/-0.079 χ^2/NDF:22.5/15

Left: 0.056+/-0.056 χ^2/NDF: 48.8/32

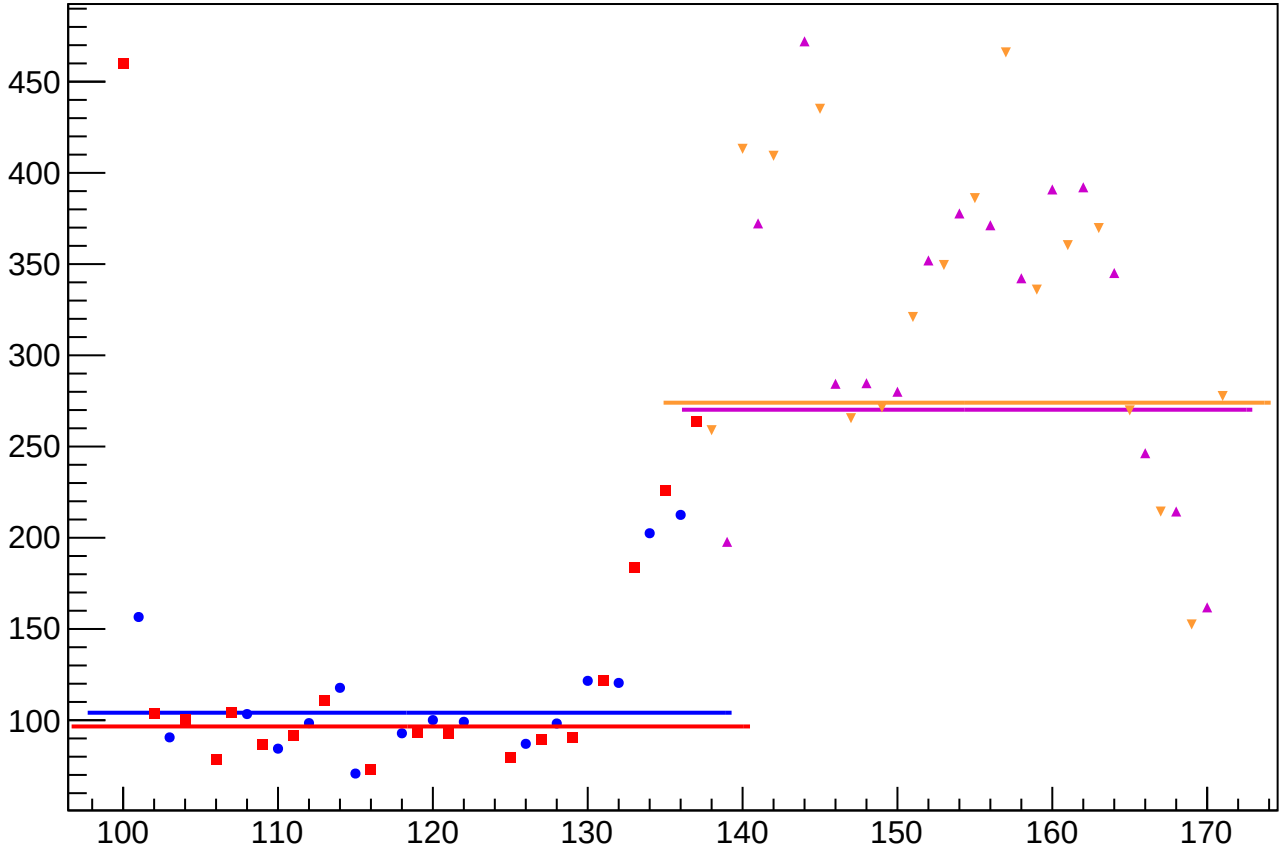
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.022+/-0.035 χ^2/NDF:48.9/34

All: 0.009+/-0.025 χ^2/NDF: 83.1/66

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: 270.174+/-0.056 χ^2/NDF:2293315.0/15

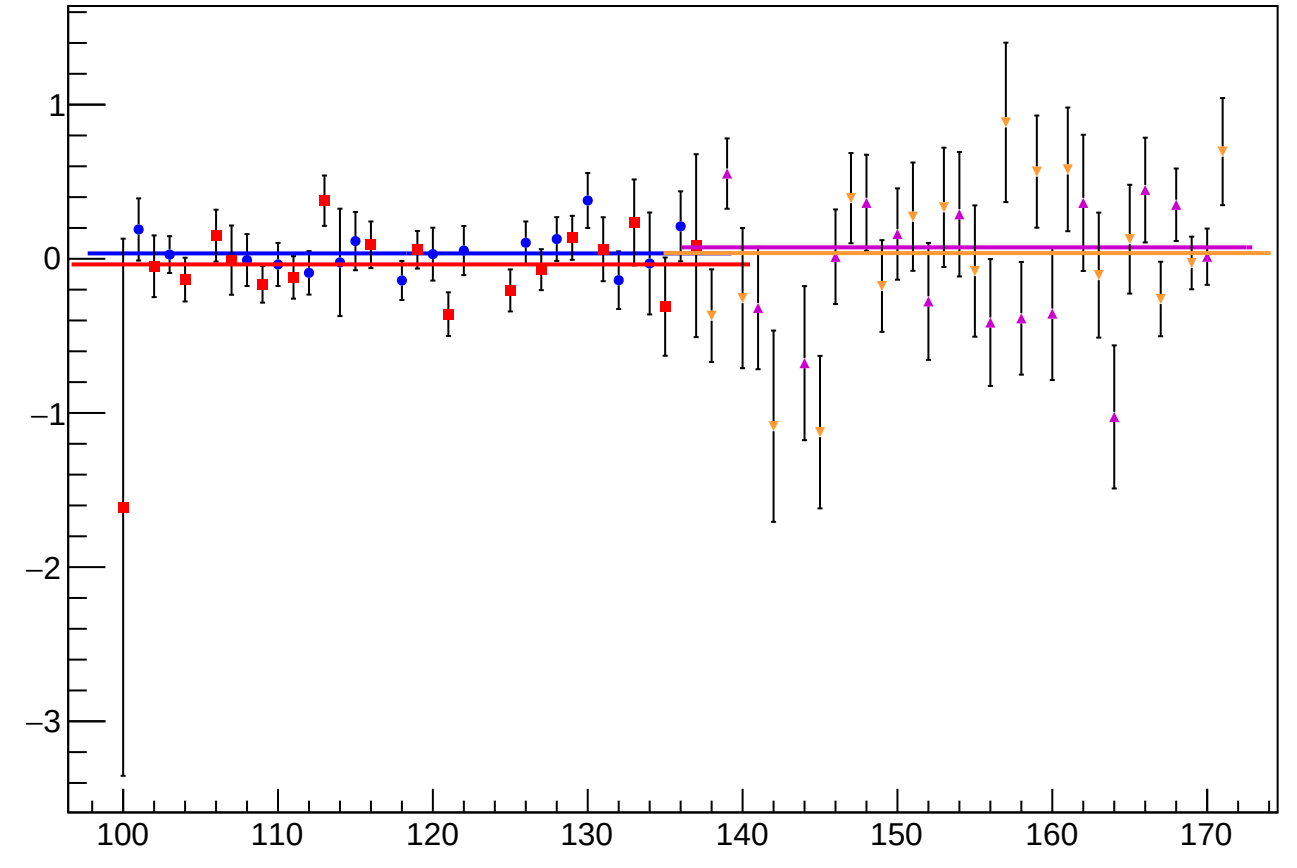
Left: 272.087+/-0.040 χ^2/NDF: 4721829.4/32

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 139.385+/-0.026 χ^2/NDF:10244610.0/31

Out: 130.683+/-0.025 χ^2/NDF:11382900.0/34

All: 134.857+/-0.018 χ^2/NDF: 21686946.6/66



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: 0.074+/-0.079 χ^2/NDF:22.5/15

Left: 0.056+/-0.056 χ^2/NDF: 48.8/32

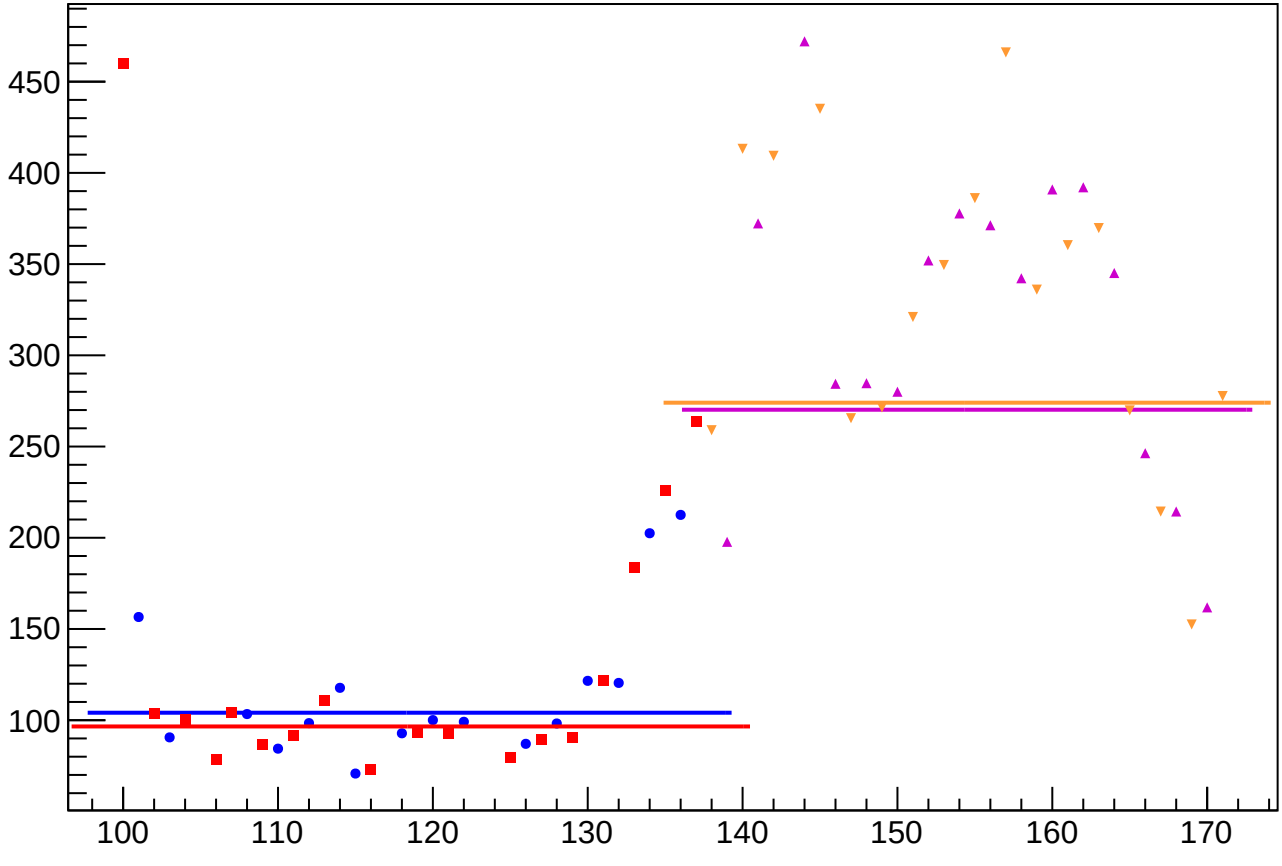
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.043+/-0.036 χ^2/NDF:32.4/31

Out: -0.022+/-0.035 χ^2/NDF:48.9/34

All: 0.009+/-0.025 χ^2/NDF: 83.1/66

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: 270.174+/-0.056 χ^2/NDF:2293315.0/15

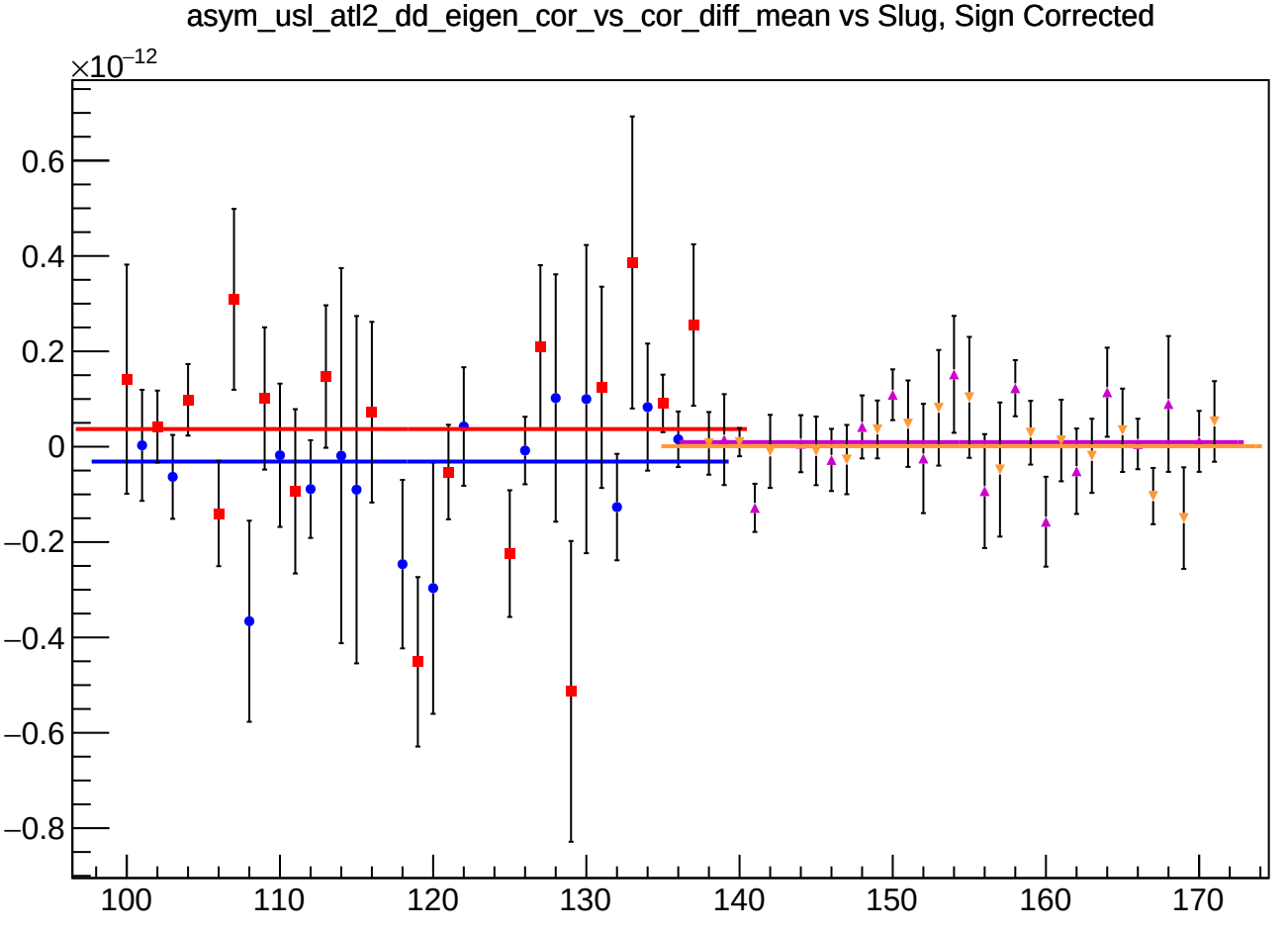
Left: 272.087+/-0.040 χ^2/NDF: 4721829.4/32

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 139.385+/-0.026 χ^2/NDF:10244610.0/31

Out: 130.683+/-0.025 χ^2/NDF:11382900.0/34

All: 134.857+/-0.018 χ^2/NDF: 21686946.6/66



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:22.5/15

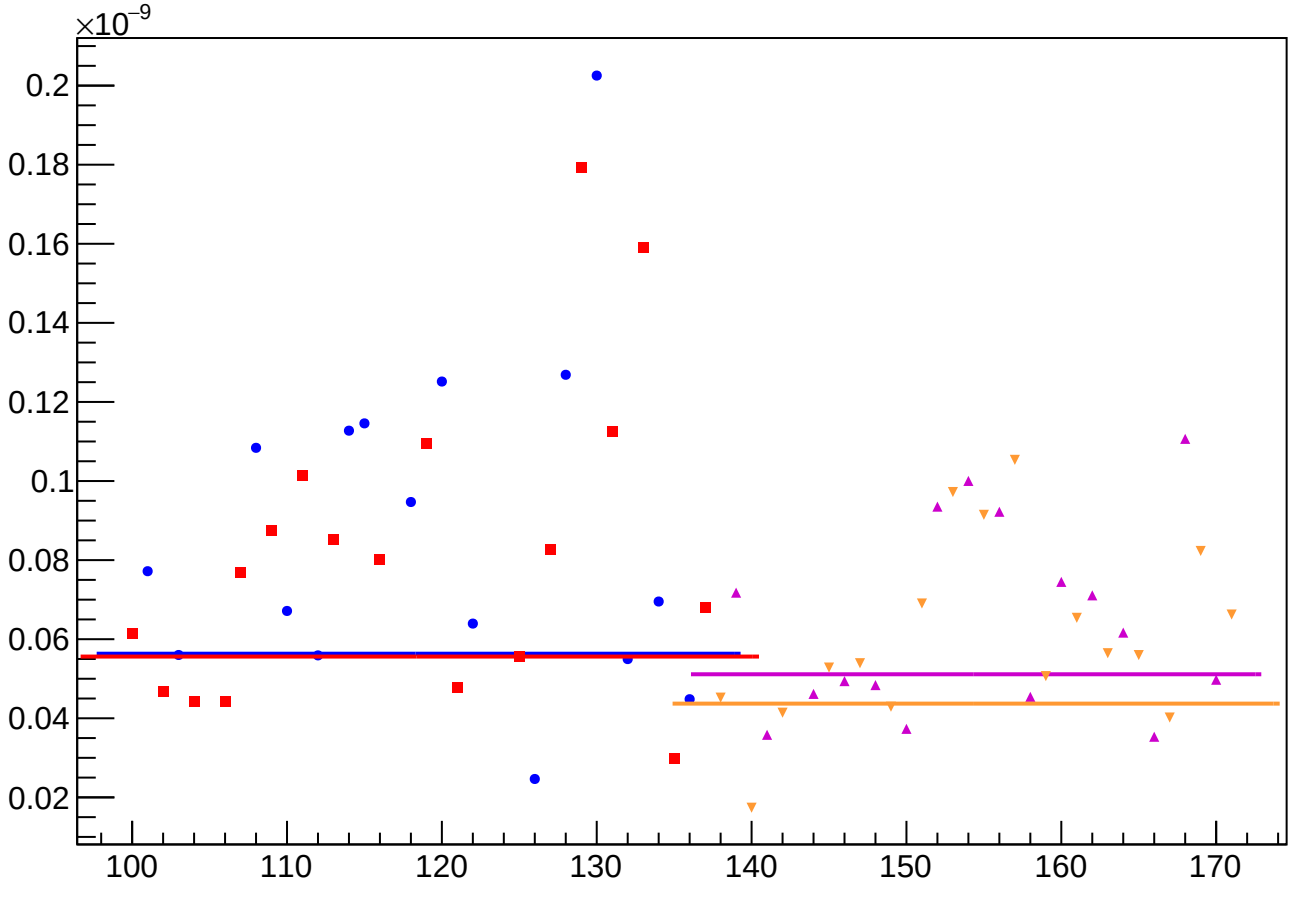
Left: 0.000+/-0.000 χ^2/NDF: 30.7/32

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.5/31

Out: 0.000+/-0.000 χ^2/NDF:36.3/34

All: 0.000+/-0.000 χ^2/NDF: 69.1/66



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:2053600.1/15

Left: 0.000+/-0.000 χ^2/NDF: 5764209.2/32

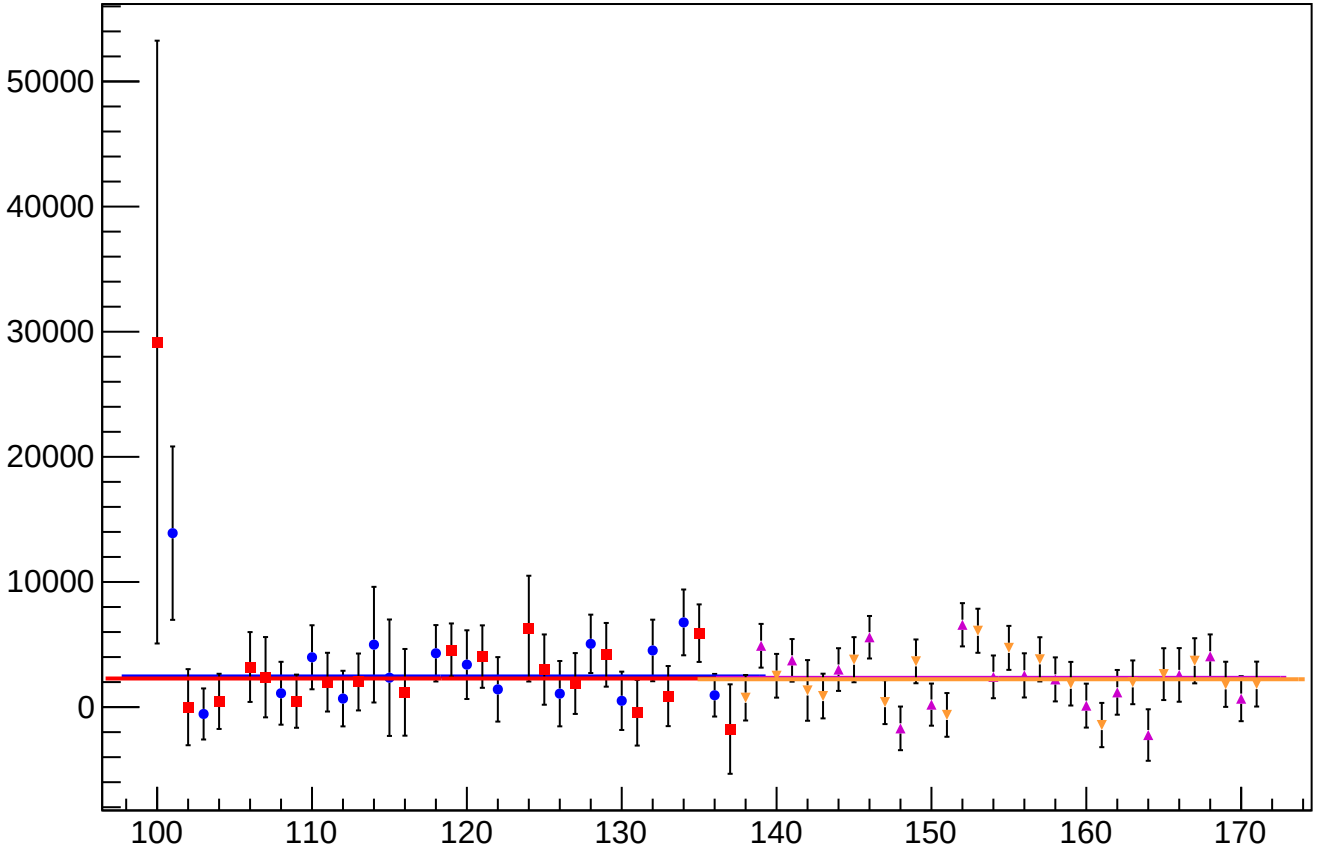
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:3681491.6/31

Out: 0.000+/-0.000 χ^2/NDF:5550431.8/34

All: 0.000+/-0.000 χ^2/NDF: 9388830.4/66

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: 2339.045+/-443.105 χ^2/NDF:28.4/15

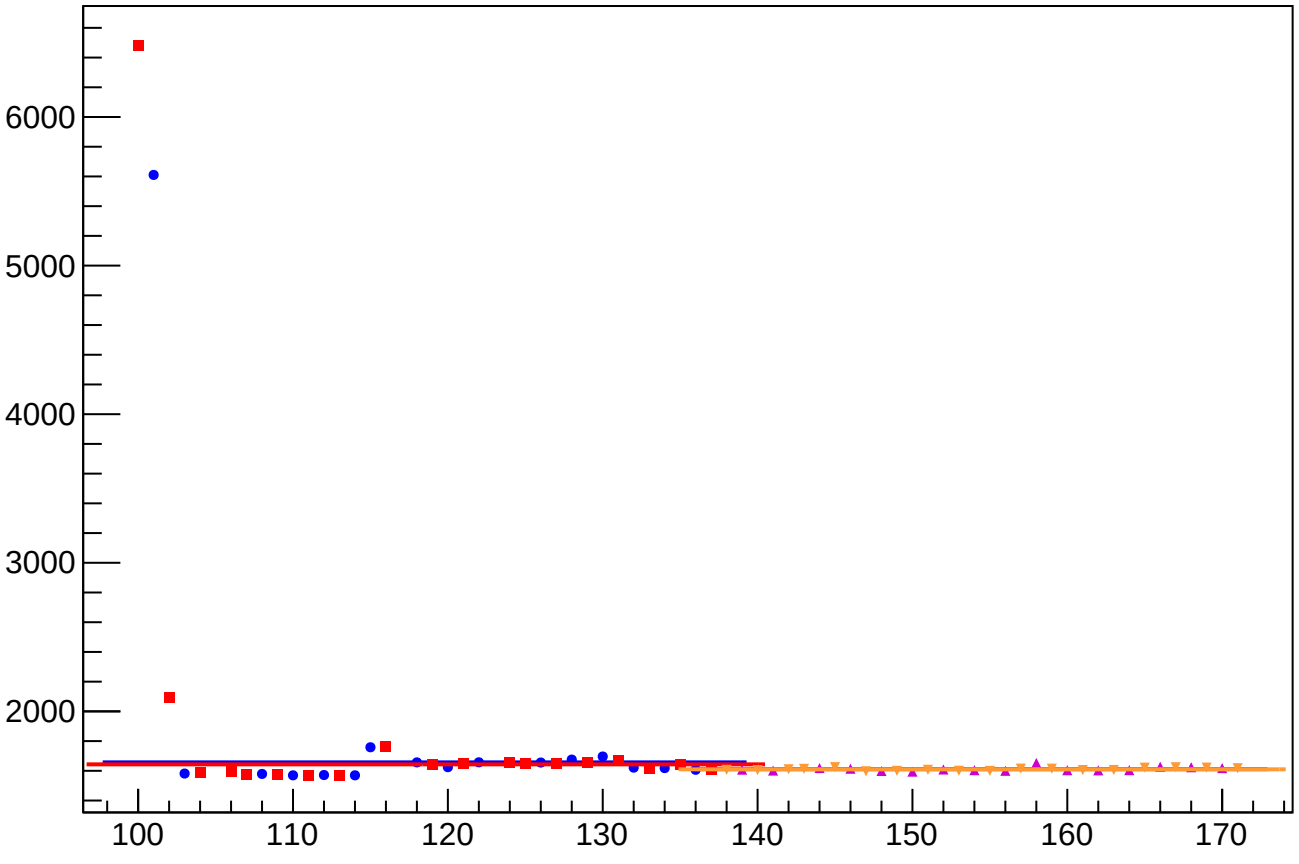
Left: 2280.786+/-307.225 χ^2/NDF: 47.9/33

Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2375.734+/-362.481 χ^2/NDF:42.3/31

Out: 2246.487+/-349.292 χ^2/NDF:31.2/36

All: 2308.717+/-251.520 χ^2/NDF: 73.6/68



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: 1611.171+/-0.313 χ^2/NDF:1988.9/15

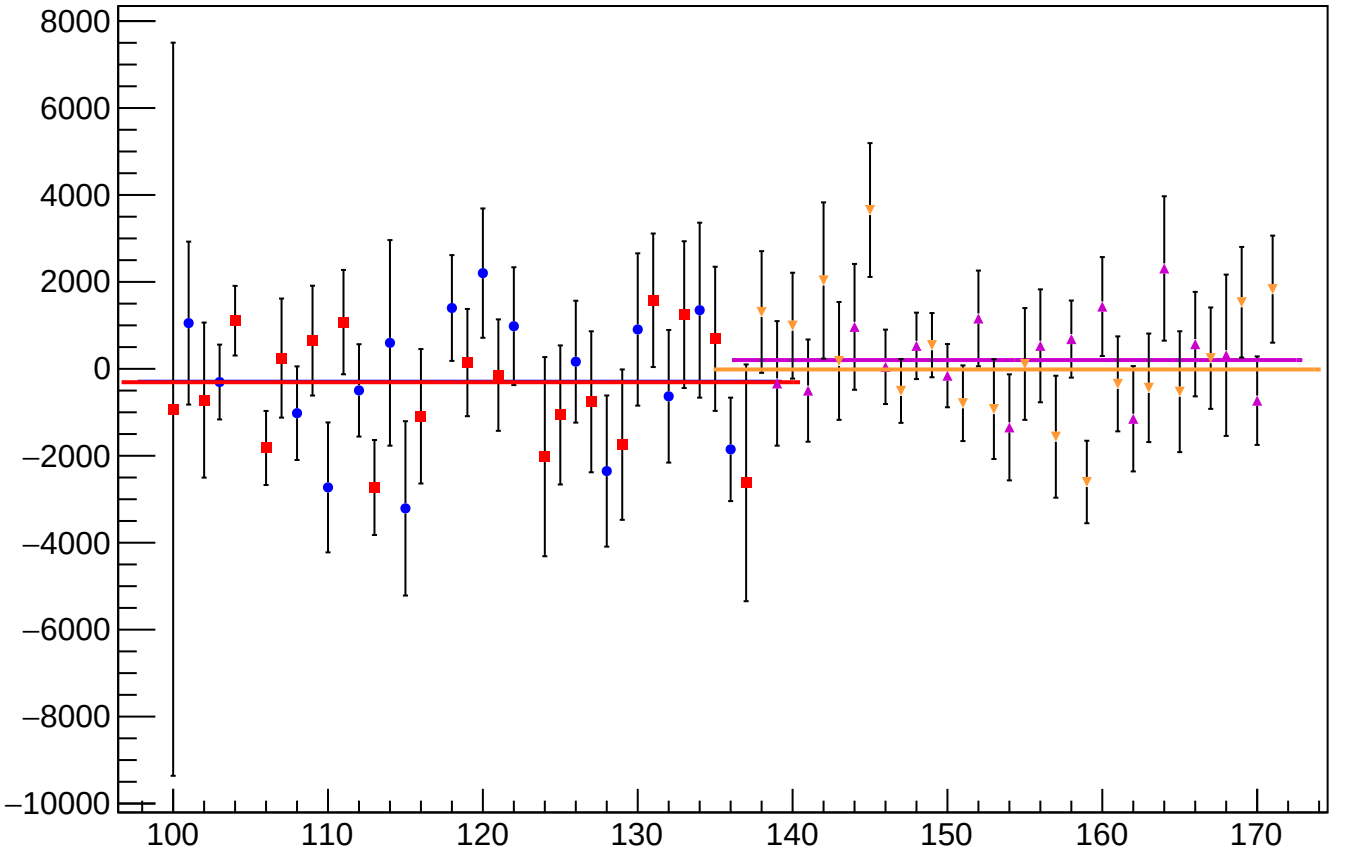
Left: 1610.546+/-0.217 χ^2/NDF: 2830.5/33

Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1626.227+/-0.256 χ^2/NDF:675194.7/31

Out: 1620.969+/-0.247 χ^2/NDF:141883.1/36

All: 1623.500+/-0.178 χ^2/NDF: 817295.9/68



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: 201.825+/-269.408 χ^2/NDF:8.9/15

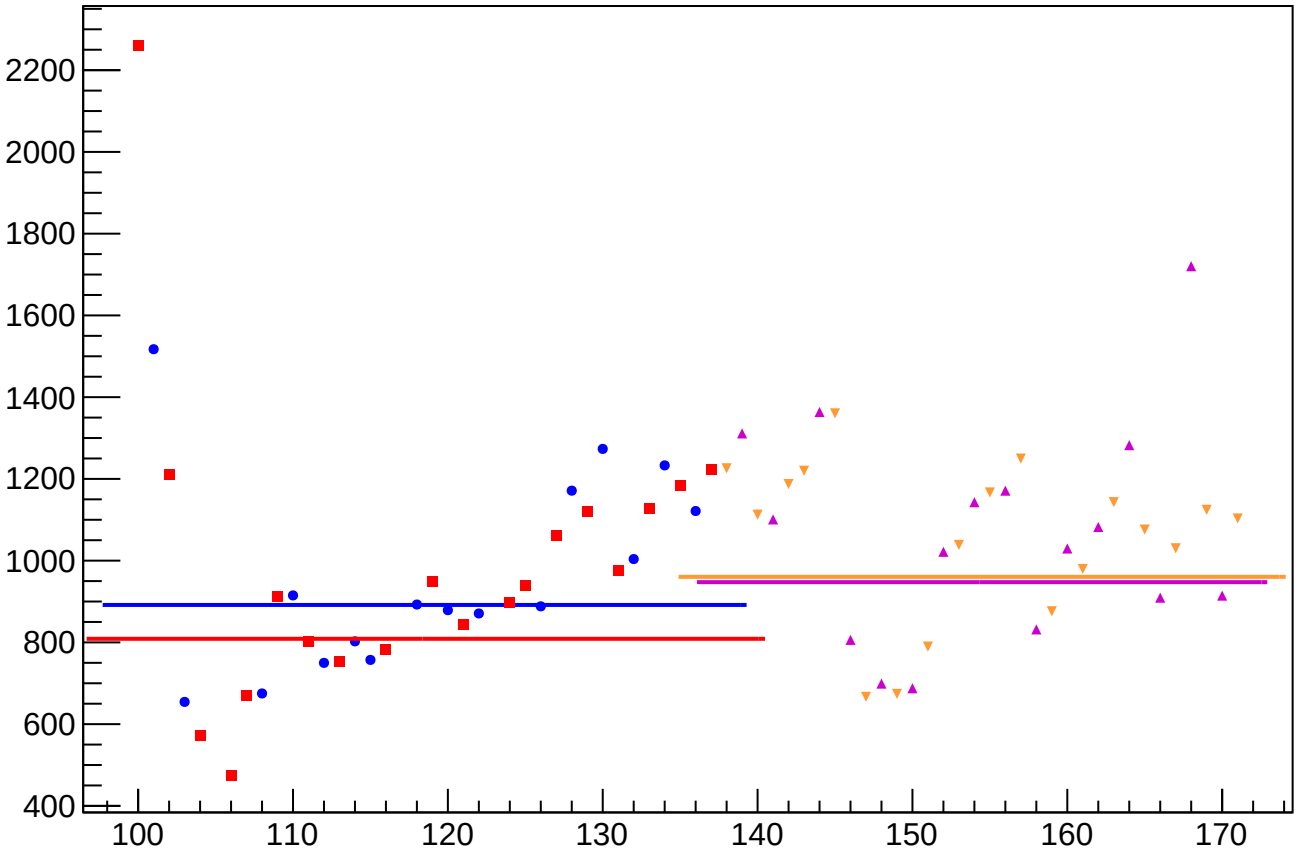
Left: 91.111+/-188.182 χ^2/NDF: 33.1/33

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: 12.011+/-211.971 χ^2/NDF:26.2/31

Out: -135.746+/-201.335 χ^2/NDF:43.0/36

All: -65.668+/-145.980 χ^2/NDF: 69.5/68



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: 947.403+/-0.191 χ^2/NDF:1470292.2/15

Left: 954.067+/-0.133 χ^2/NDF: 2800422.6/33

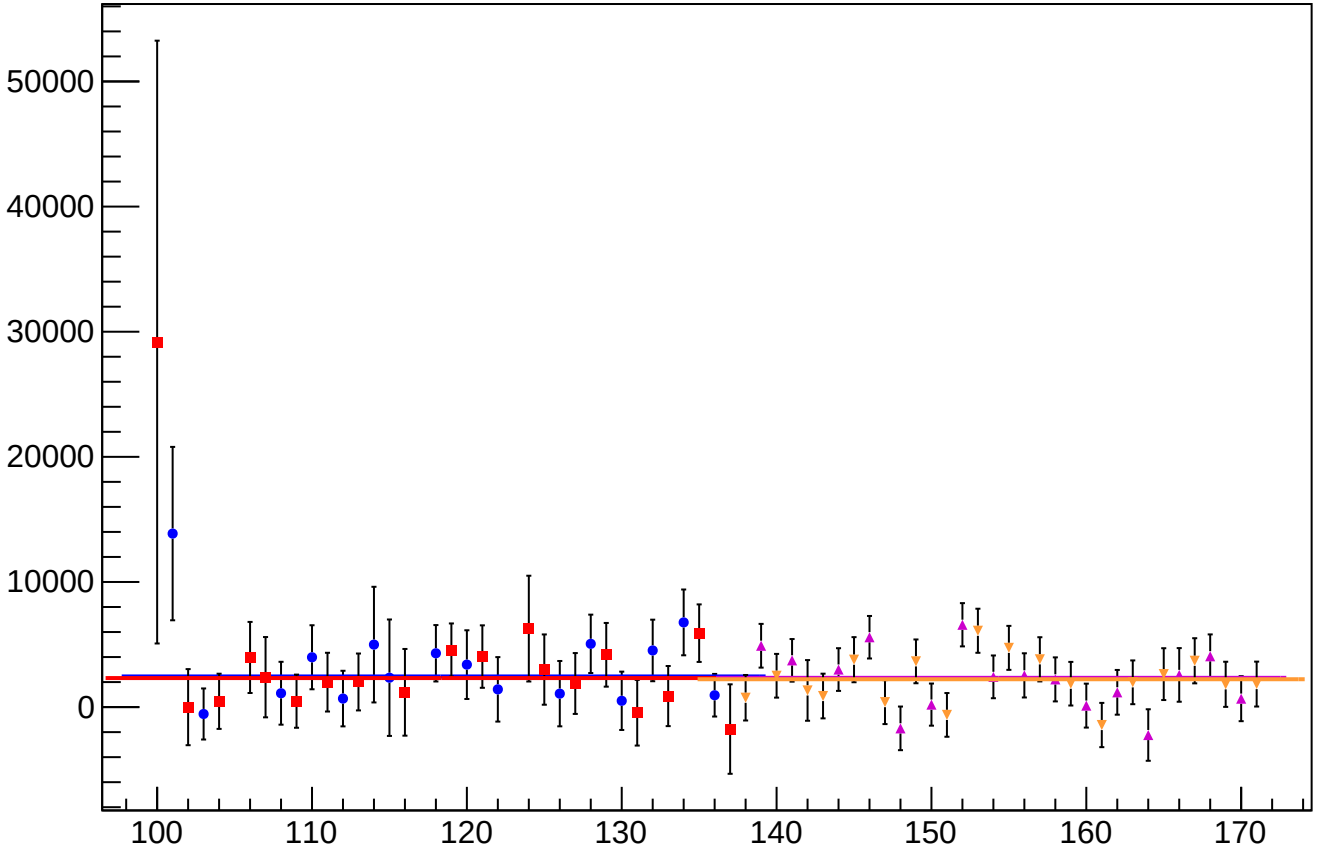
Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 926.158+/-0.150 χ^2/NDF:2296838.3/31

Out: 897.678+/-0.142 χ^2/NDF:2686675.1/36

All: 911.186+/-0.103 χ^2/NDF: 5002493.3/68

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: 2339.062+/-443.105 χ^2/NDF:28.4/15

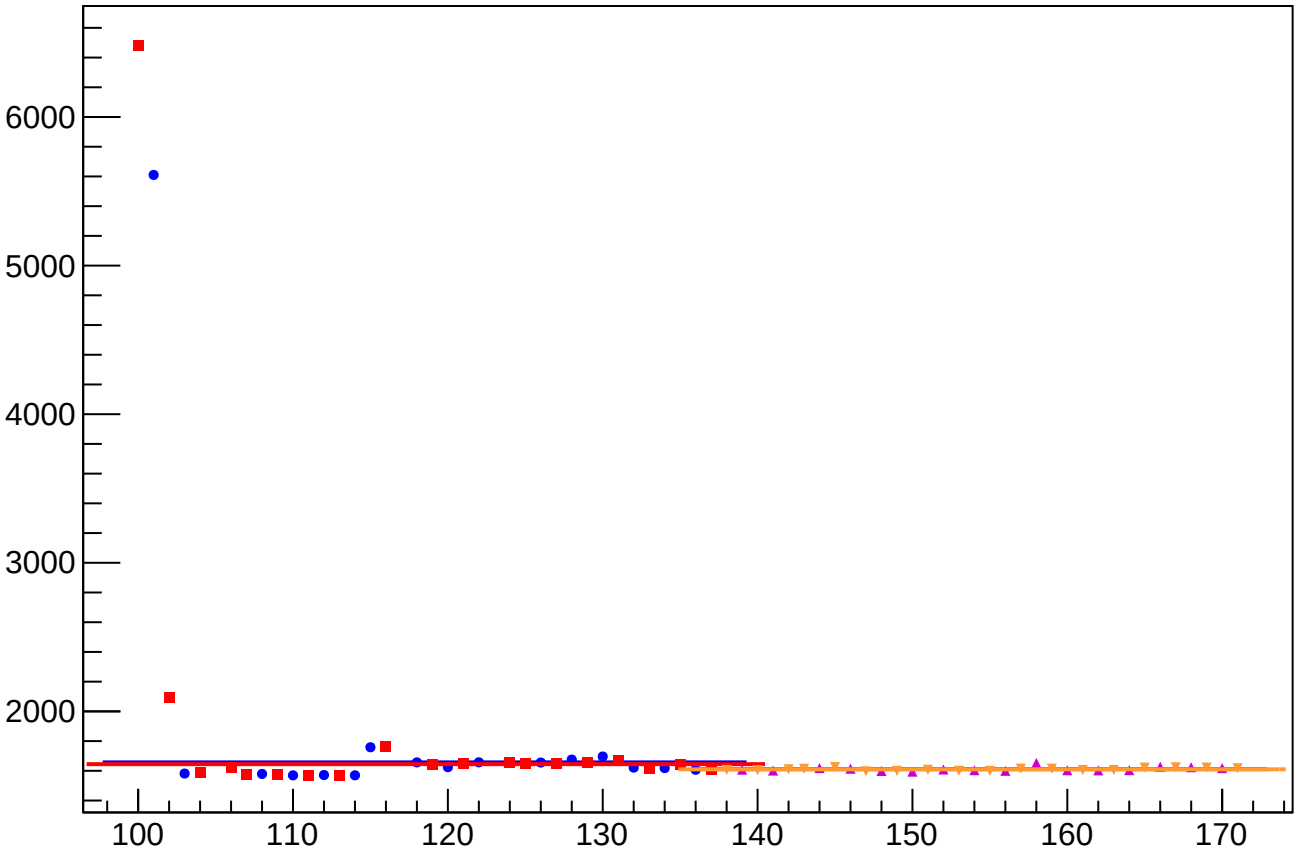
Left: 2280.777+/-307.225 χ^2/NDF: 47.9/33

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2375.561+/-362.481 χ^2/NDF:42.3/31

Out: 2257.610+/-349.386 χ^2/NDF:31.5/36

All: 2314.417+/-251.555 χ^2/NDF: 73.8/68



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: 1611.171+/-0.313 χ^2/NDF:1988.9/15

Left: 1610.546+/-0.217 χ^2/NDF: 2830.5/33

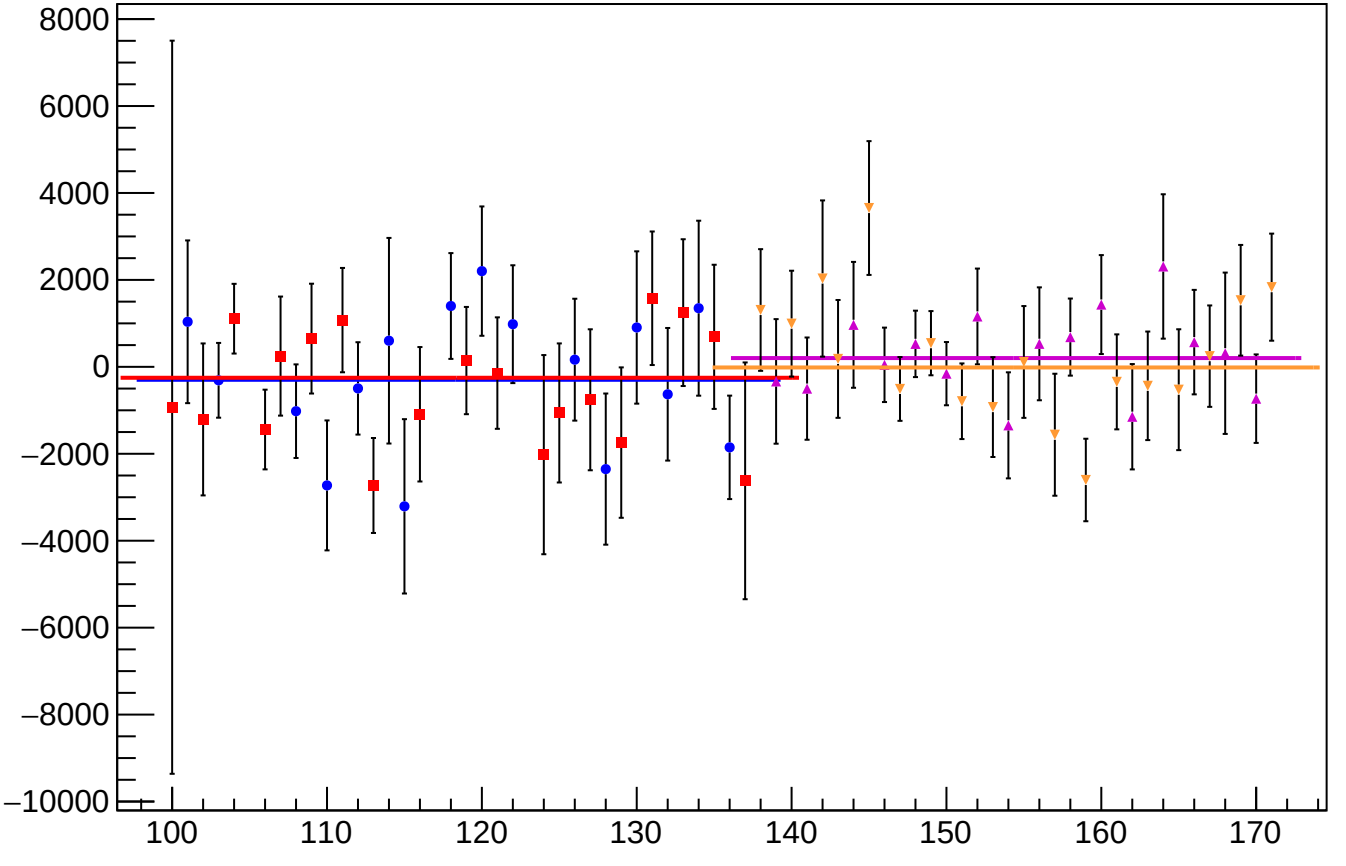
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.227+/-0.256 χ^2/NDF:675194.2/31

Out: 1621.385+/-0.247 χ^2/NDF:141685.0/36

All: 1623.716+/-0.178 χ^2/NDF: 817064.2/68

asym_usr_atr1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -14.446+/-262.966 χ^2/NDF:23.8/17

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 201.857+/-269.409 χ^2/NDF:8.9/15

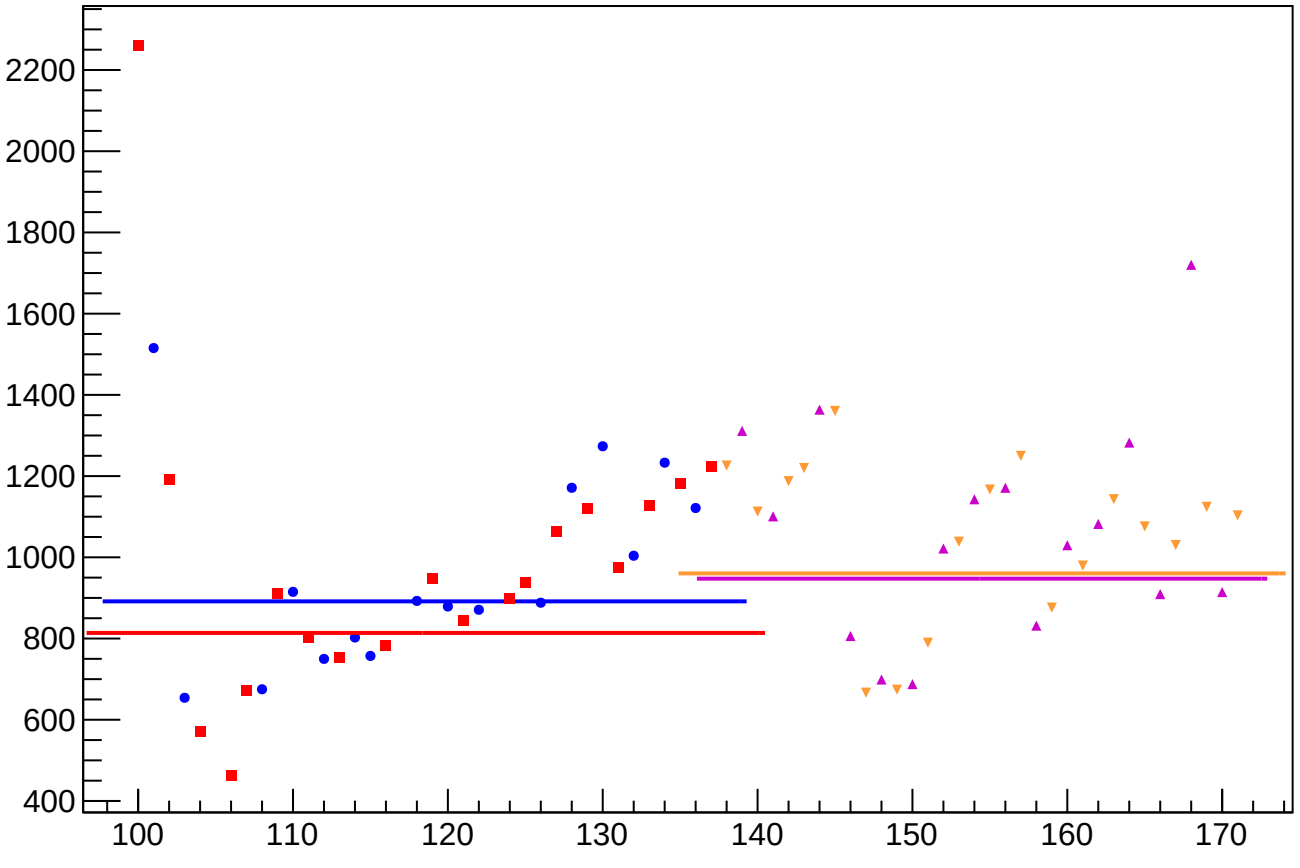
Left: 91.089+/-188.182 χ^2/NDF: 33.1/33

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 11.487+/-211.960 χ^2/NDF:26.2/31

Out: -111.420+/-202.066 χ^2/NDF:41.4/36

All: -52.902+/-146.255 χ^2/NDF: 67.8/68



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: 947.407+/-0.191 χ^2/NDF:1470242.1/15

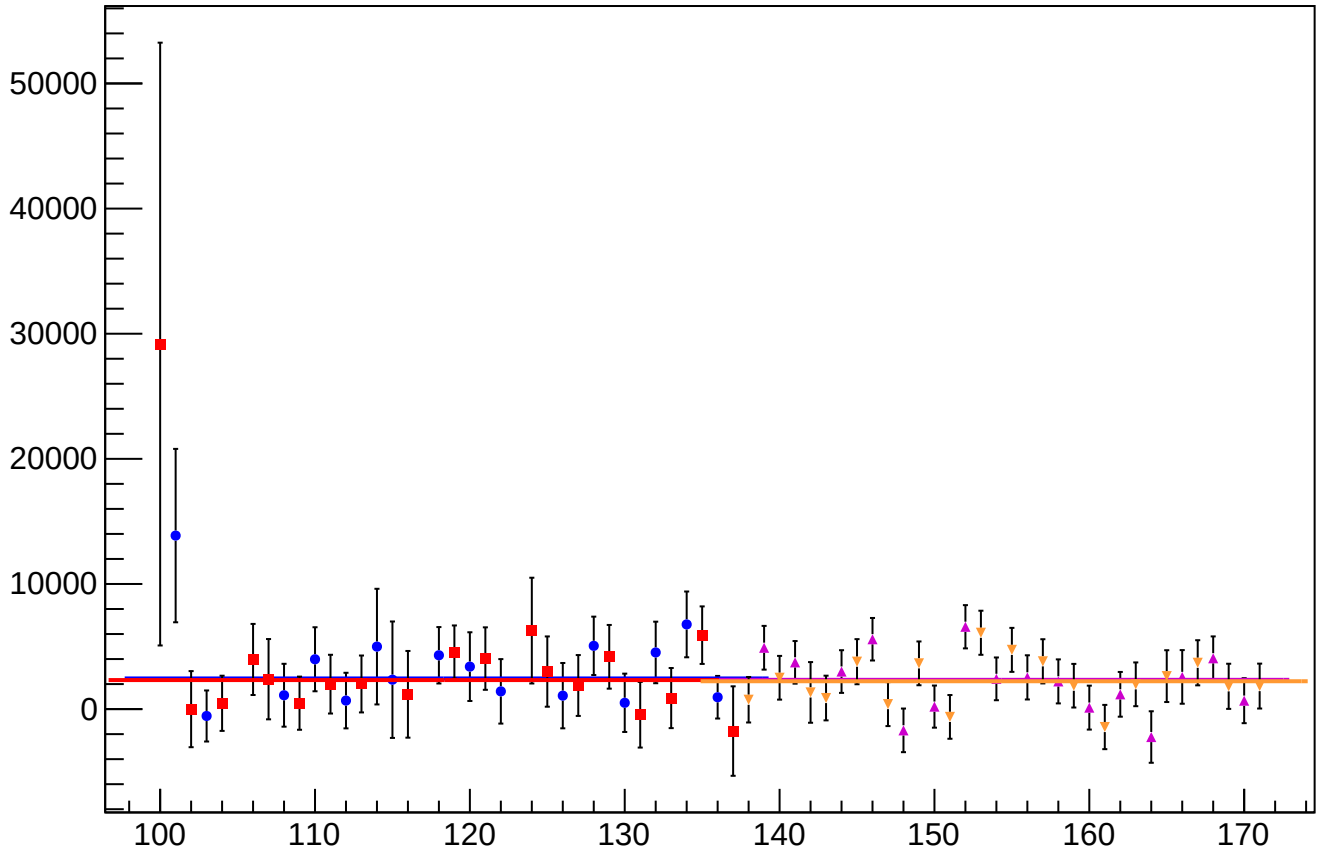
Left: 954.064+/-0.133 χ^2/NDF: 2800460.2/33

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 926.118+/-0.150 χ^2/NDF:2296675.3/31

Out: 900.368+/-0.143 χ^2/NDF:2635390.2/36

All: 912.628+/-0.103 χ^2/NDF: 4947530.0/68



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: 2339.062+/-443.105 χ^2/NDF:28.4/15

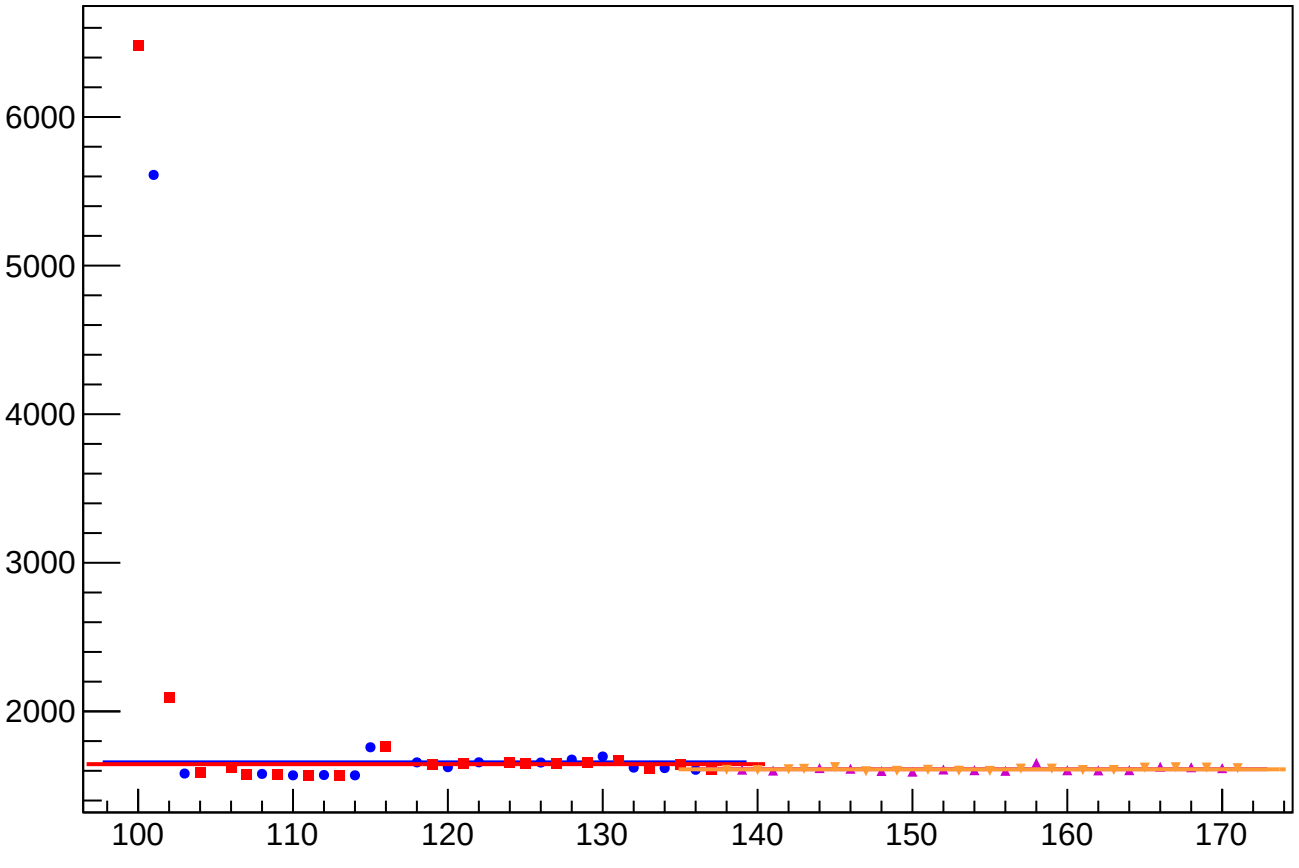
Left: 2280.777+/-307.225 χ^2/NDF: 47.9/33

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2375.561+/-362.481 χ^2/NDF:42.3/31

Out: 2257.610+/-349.386 χ^2/NDF:31.5/36

All: 2314.417+/-251.555 χ^2/NDF: 73.8/68



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: 1611.171+/-0.313 χ^2/NDF:1988.9/15

Left: 1610.546+/-0.217 χ^2/NDF: 2830.5/33

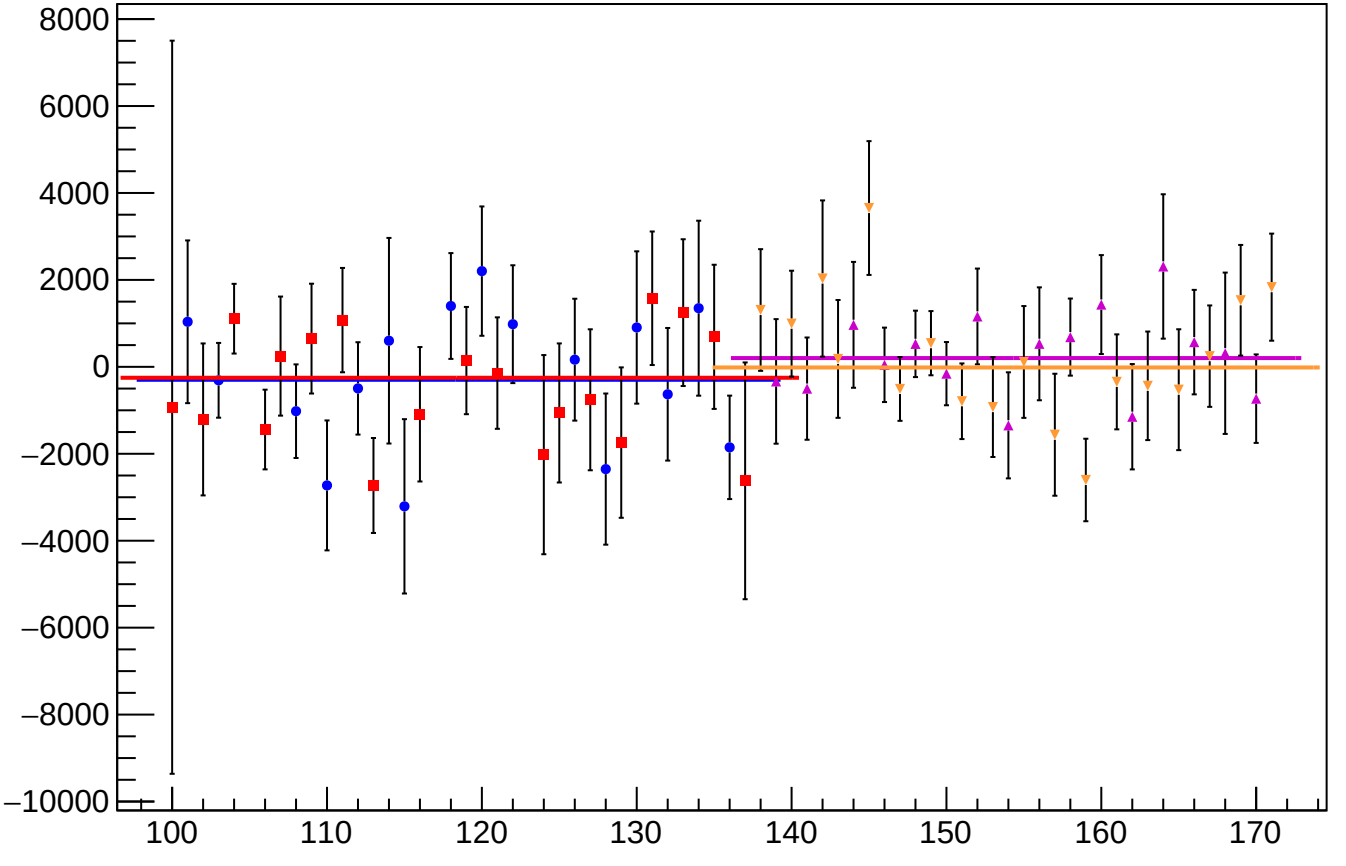
Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1626.227+/-0.256 χ^2/NDF:675194.2/31

Out: 1621.385+/-0.247 χ^2/NDF:141685.0/36

All: 1623.716+/-0.178 χ^2/NDF: 817064.2/68

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: 201.857+/-269.409 χ^2/NDF:8.9/15

Left: 91.089+/-188.182 χ^2/NDF: 33.1/33

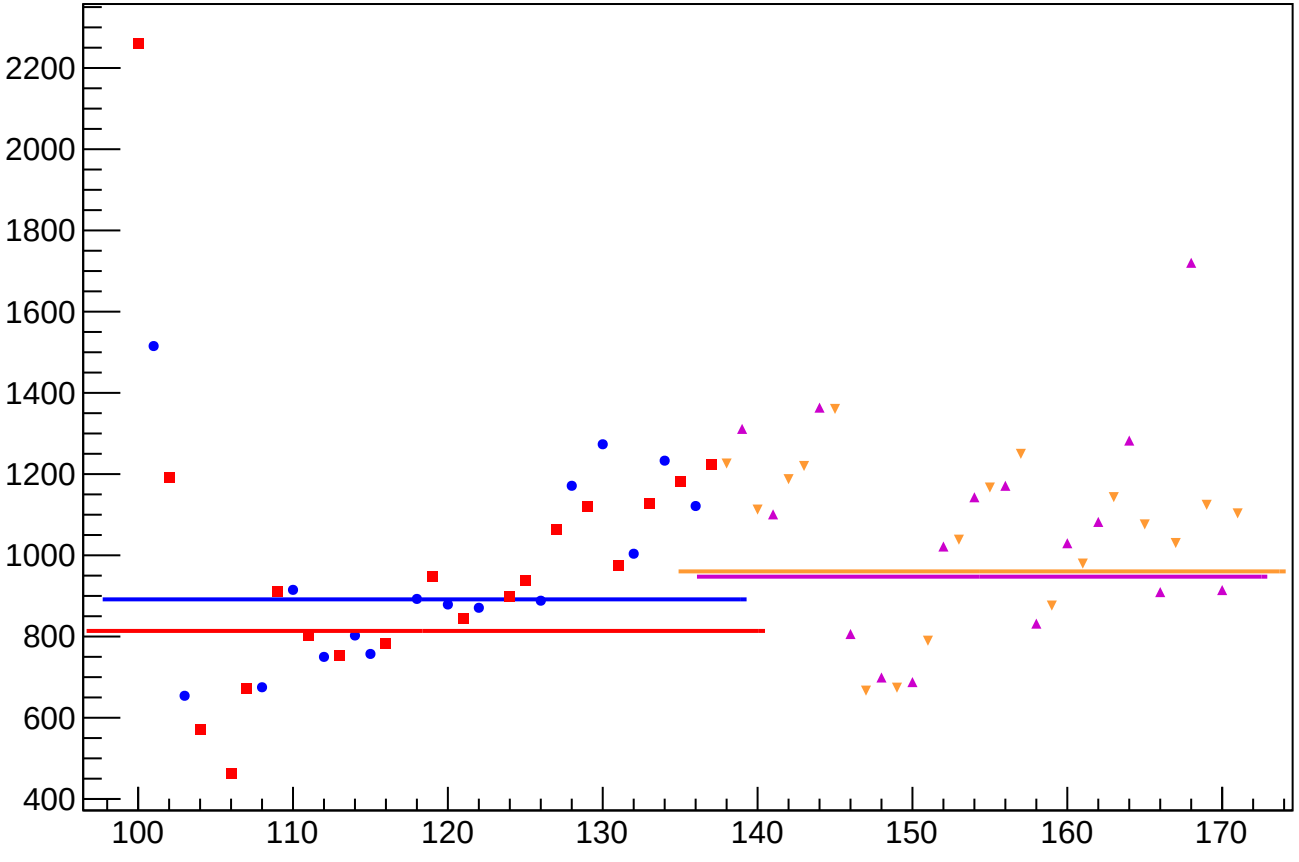
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: 11.487+/-211.960 χ^2/NDF:26.2/31

Out: -111.420+/-202.066 χ^2/NDF:41.4/36

All: -52.902+/-146.255 χ^2/NDF: 67.8/68

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 960.407+/-0.186 χ^2/NDF:1327833.2/17

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 947.407+/-0.191 χ^2/NDF:1470242.1/15

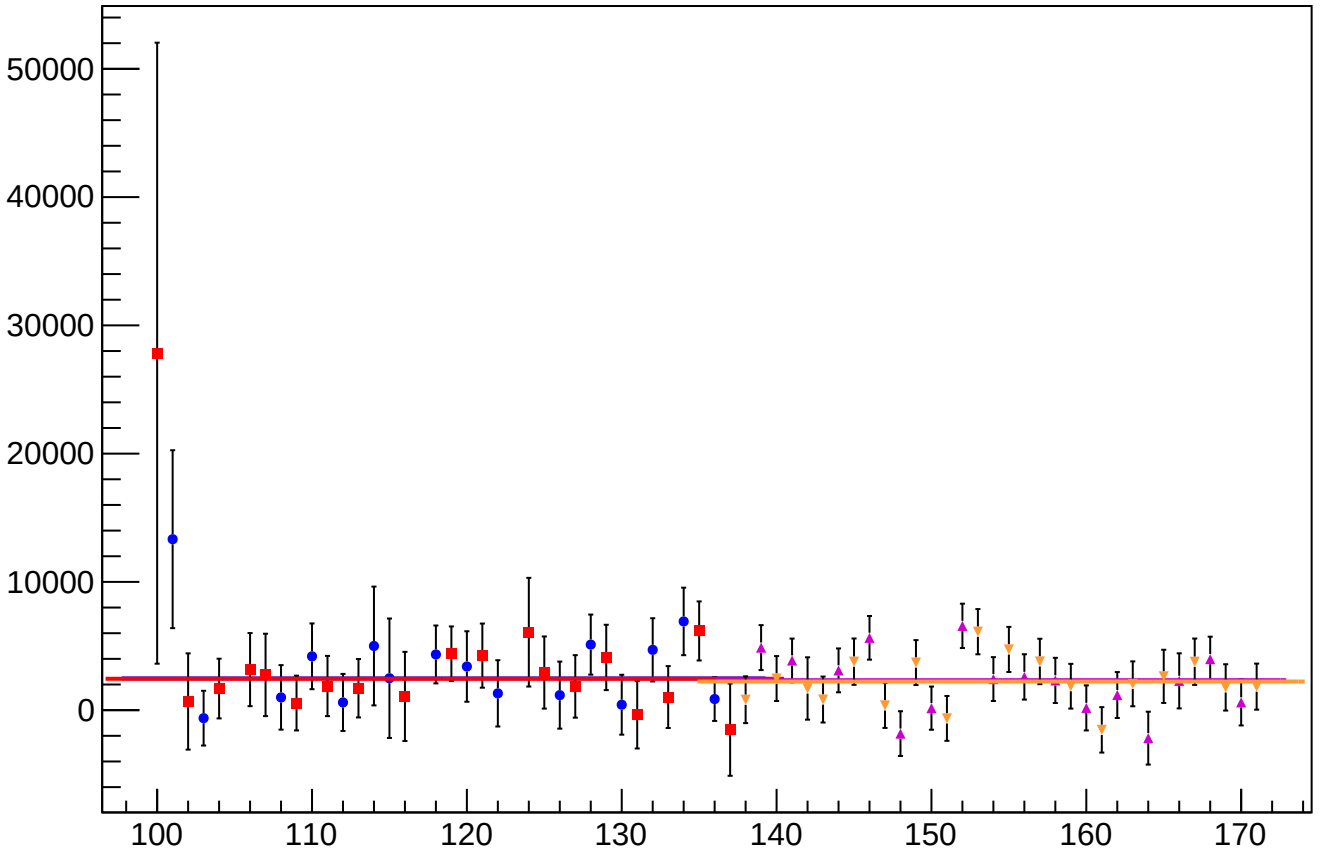
Left: 954.064+/-0.133 χ^2/NDF: 2800460.2/33

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 926.118+/-0.150 χ^2/NDF:2296675.3/31

Out: 900.368+/-0.143 χ^2/NDF:2635390.2/36

All: 912.628+/-0.103 χ^2/NDF: 4947530.0/68



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: 2339.281+/-443.678 χ^2/NDF:28.8/15

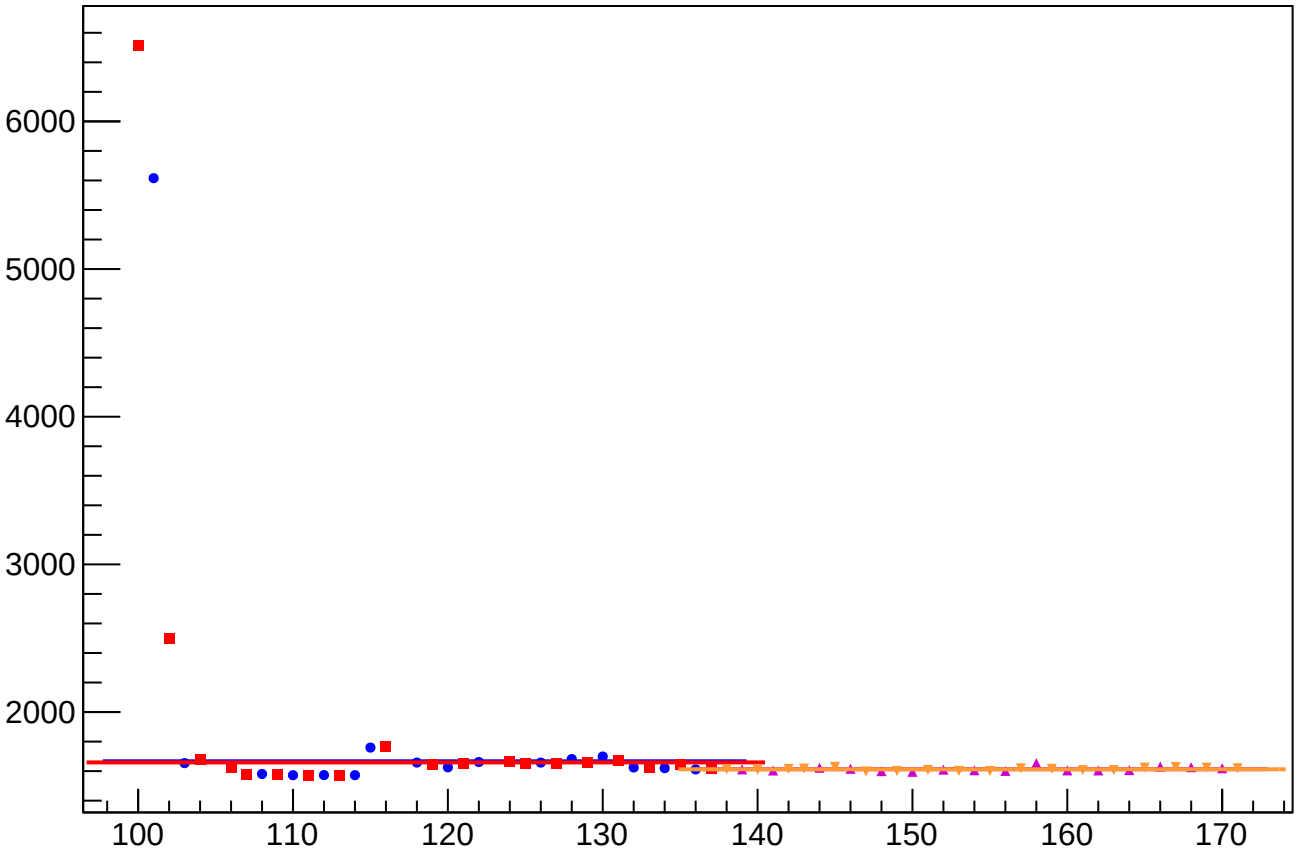
Left: 2285.095+/-307.656 χ^2/NDF: 48.5/33

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2383.985+/-363.483 χ^2/NDF:43.0/31

Out: 2304.174+/-351.206 χ^2/NDF:30.3/36

All: 2342.709+/-252.569 χ^2/NDF: 73.4/68



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: 1613.244+/-0.314 χ^2/NDF:2063.1/15

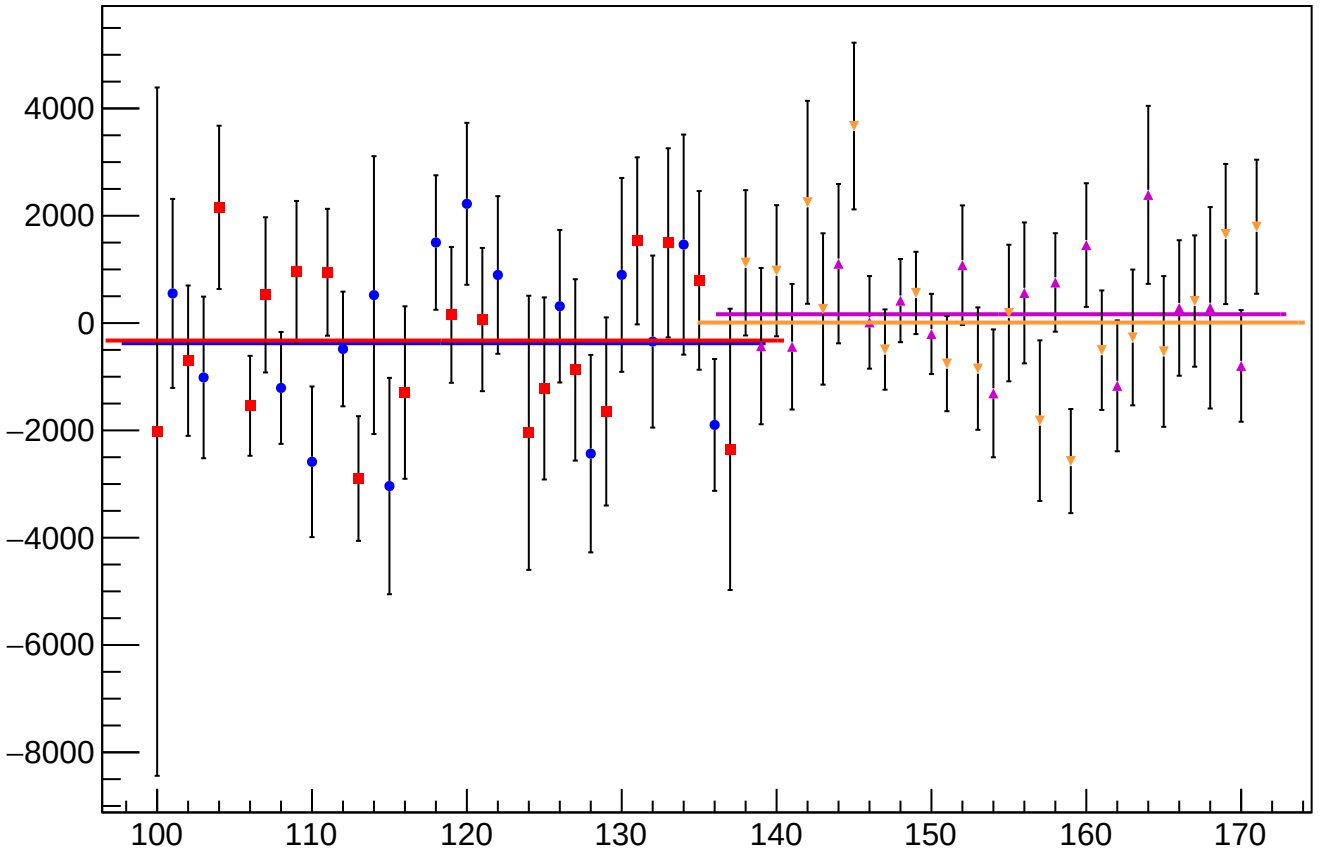
Left: 1612.795+/-0.218 χ^2/NDF: 3011.2/33

Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1630.723+/-0.257 χ^2/NDF:674417.7/31

Out: 1627.460+/-0.248 χ^2/NDF:201881.7/36

All: 1629.035+/-0.179 χ^2/NDF: 876382.8/68



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: 164.704+/-273.658 χ^2/NDF:9.0/15

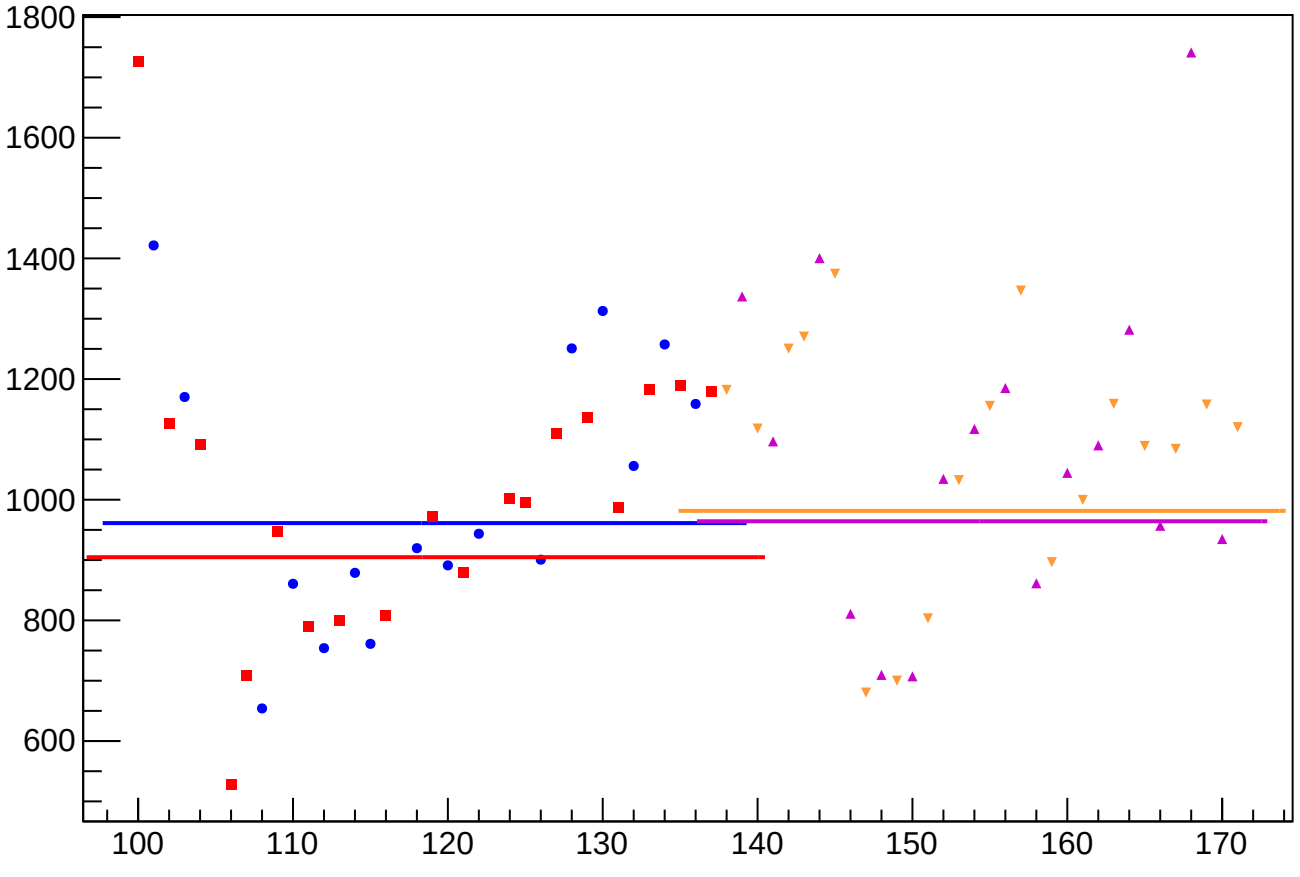
Left: 85.631+/-191.560 χ^2/NDF: 32.5/33

Right: -348.248+/-249.957 χ^2/NDF: 33.1/34

In: -27.368+/-219.584 χ^2/NDF:26.2/31

Out: -118.695+/-210.737 χ^2/NDF:41.3/36

All: -74.908+/-152.045 χ^2/NDF: 67.6/68



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: 964.298+/-0.194 χ^2/NDF:1415807.9/15

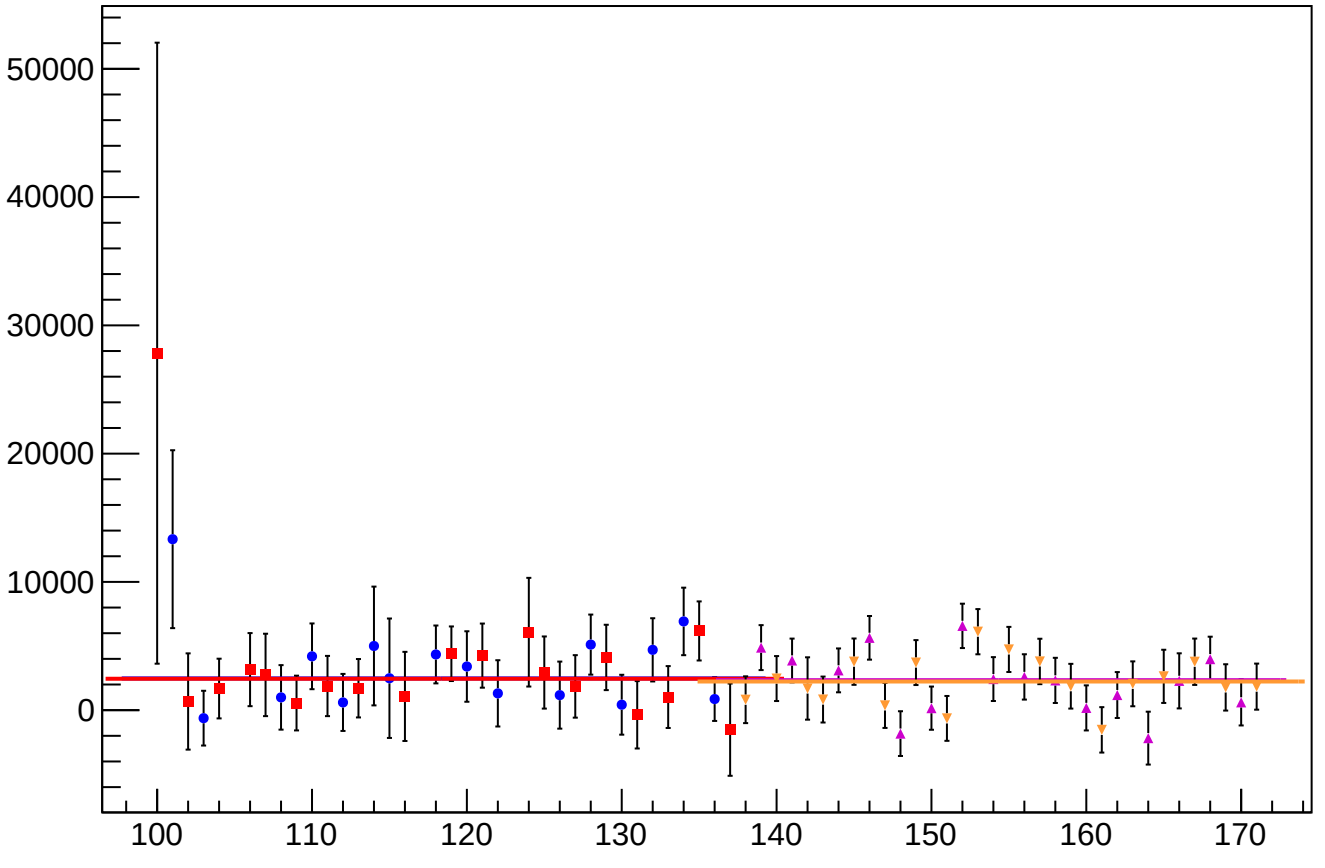
Left: 973.102+/-0.135 χ^2/NDF: 2717583.9/33

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 963.210+/-0.155 χ^2/NDF:2107772.1/31

Out: 952.154+/-0.149 χ^2/NDF:2096997.7/36

All: 957.455+/-0.108 χ^2/NDF: 4207408.8/68



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: 2339.282+/-443.678 χ^2/NDF:28.8/15

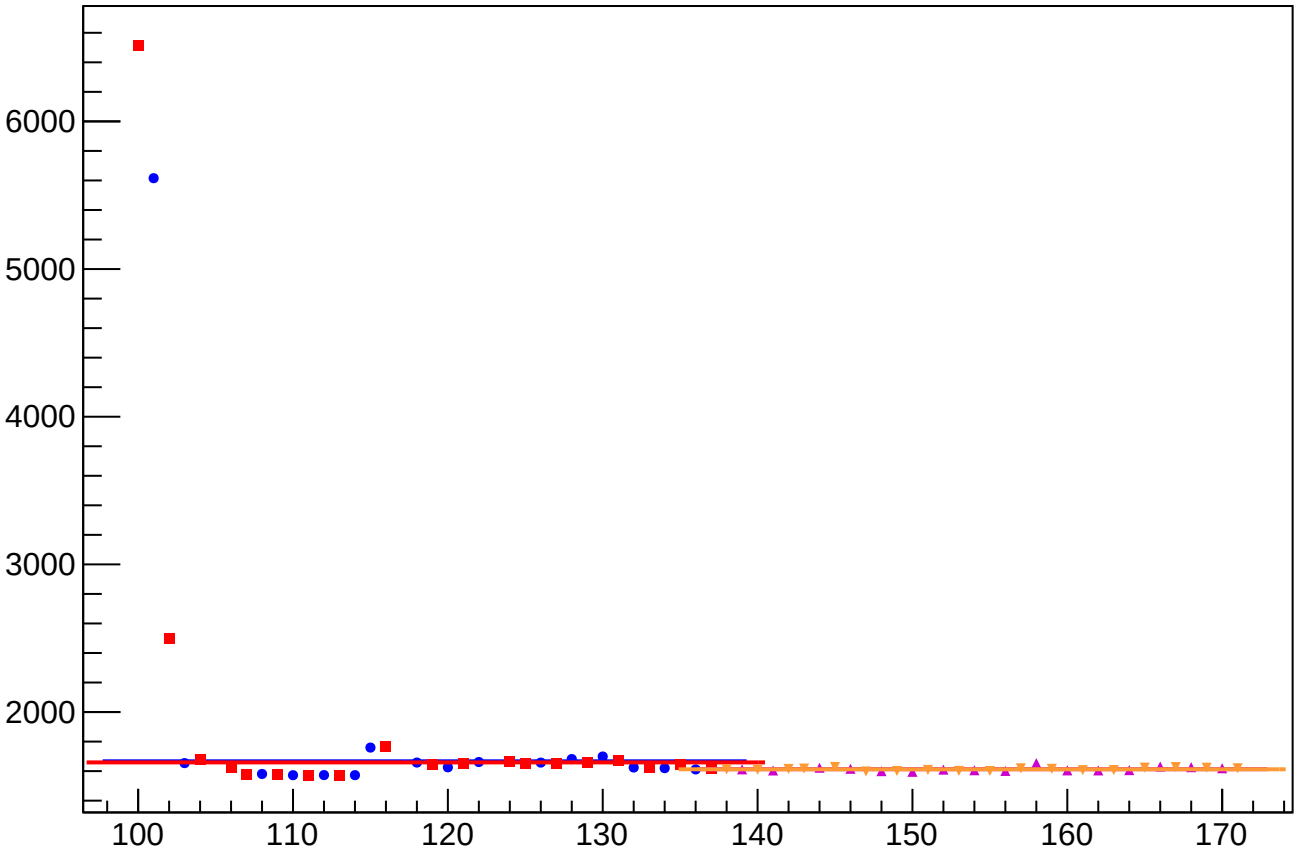
Left: 2285.095+/-307.656 χ^2/NDF: 48.5/33

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2383.985+/-363.483 χ^2/NDF:43.0/31

Out: 2304.173+/-351.206 χ^2/NDF:30.3/36

All: 2342.709+/-252.569 χ^2/NDF: 73.4/68



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: 1613.244+/-0.314 χ^2/NDF:2063.1/15

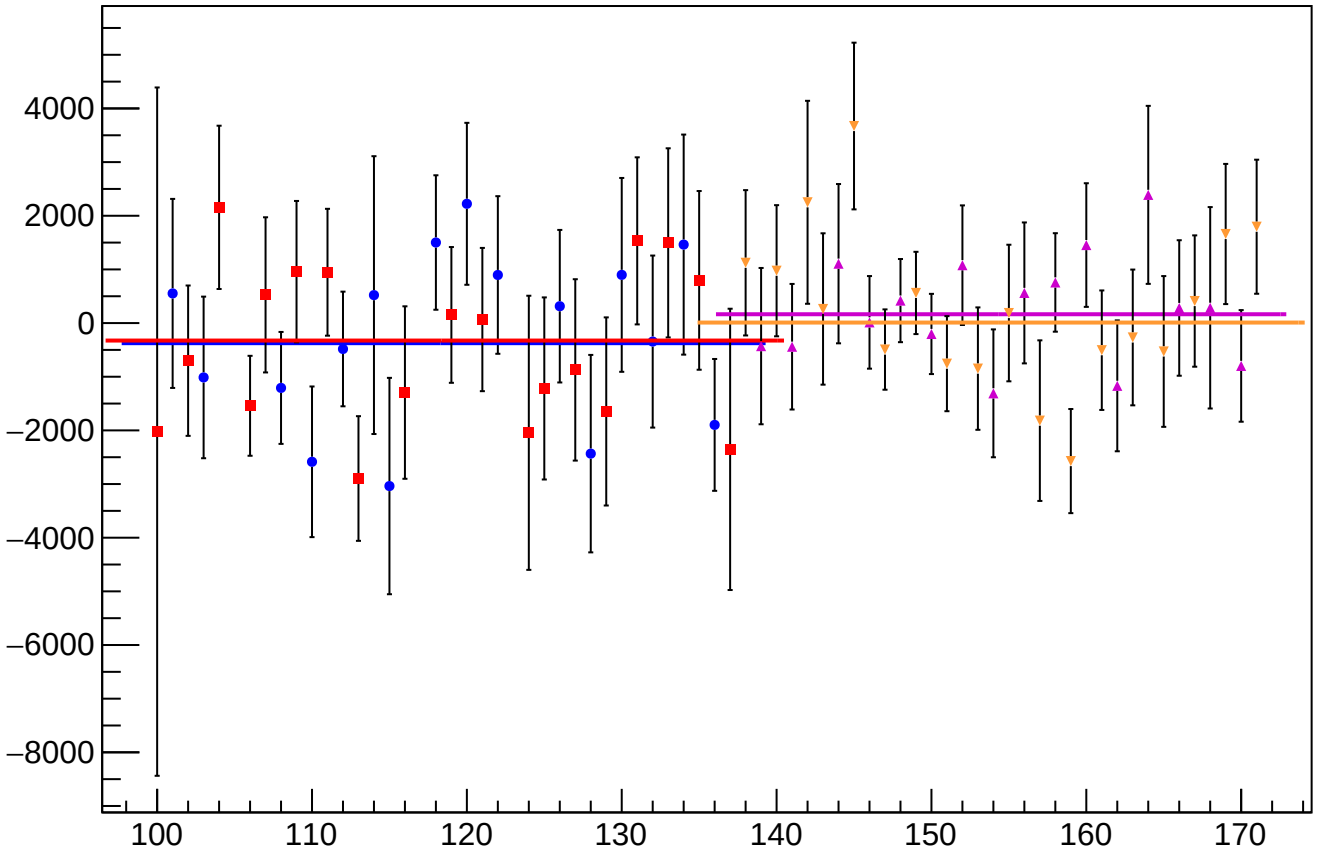
Left: 1612.795+/-0.218 χ^2/NDF: 3011.2/33

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

In: 1630.723+/-0.257 χ^2/NDF:674417.6/31

Out: 1627.460+/-0.248 χ^2/NDF:201881.5/36

All: 1629.035+/-0.179 χ^2/NDF: 876382.5/68



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: 164.705+/-273.659 χ^2/NDF:9.0/15

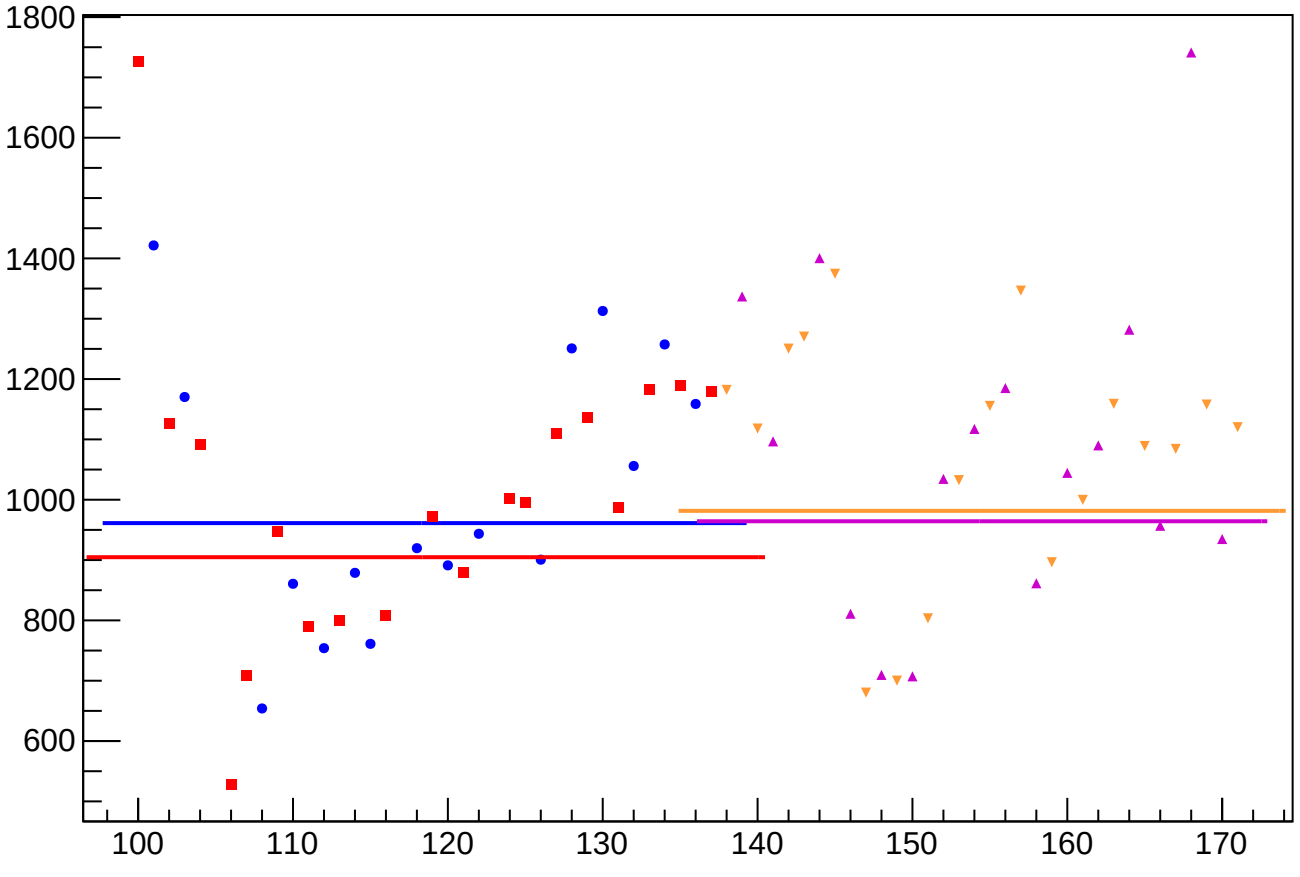
Left: 85.630+/-191.560 χ^2/NDF: 32.5/33

Right: -348.247+/-249.956 χ^2/NDF: 33.1/34

In: -27.368+/-219.584 χ^2/NDF:26.2/31

Out: -118.696+/-210.737 χ^2/NDF:41.3/36

All: -74.909+/-152.045 χ^2/NDF: 67.6/68



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: 964.300+/-0.194 χ^2/NDF:1415811.3/15

Left: 973.104+/-0.135 χ^2/NDF: 2717590.8/33

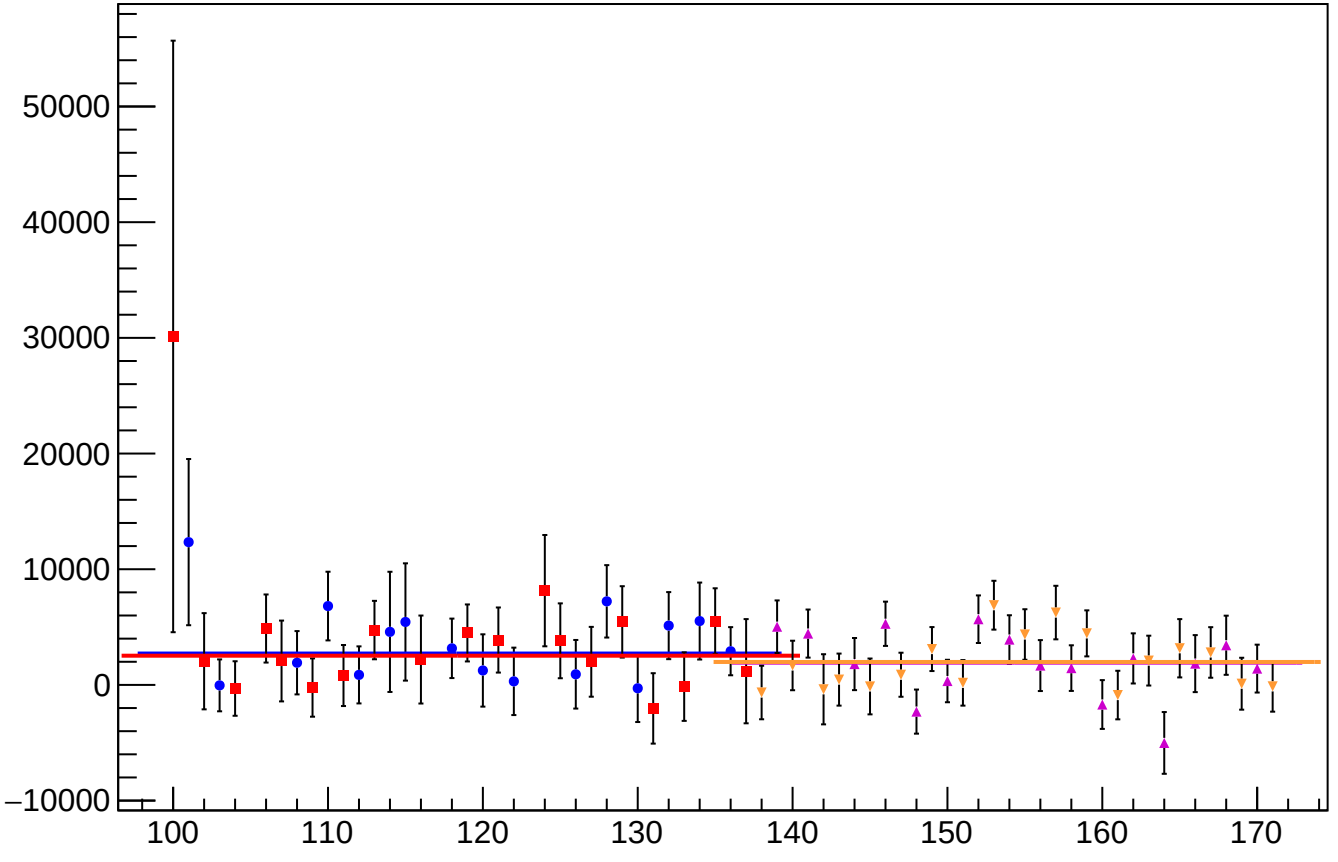
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 963.210+/-0.155 χ^2/NDF:2107783.8/31

Out: 952.154+/-0.149 χ^2/NDF:2097006.2/36

All: 957.455+/-0.108 χ^2/NDF: 4207428.9/68

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



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: 1922.616+/-532.790 χ^2/NDF:26.5/15

Left: 1954.033+/-369.931 χ^2/NDF: 46.6/33

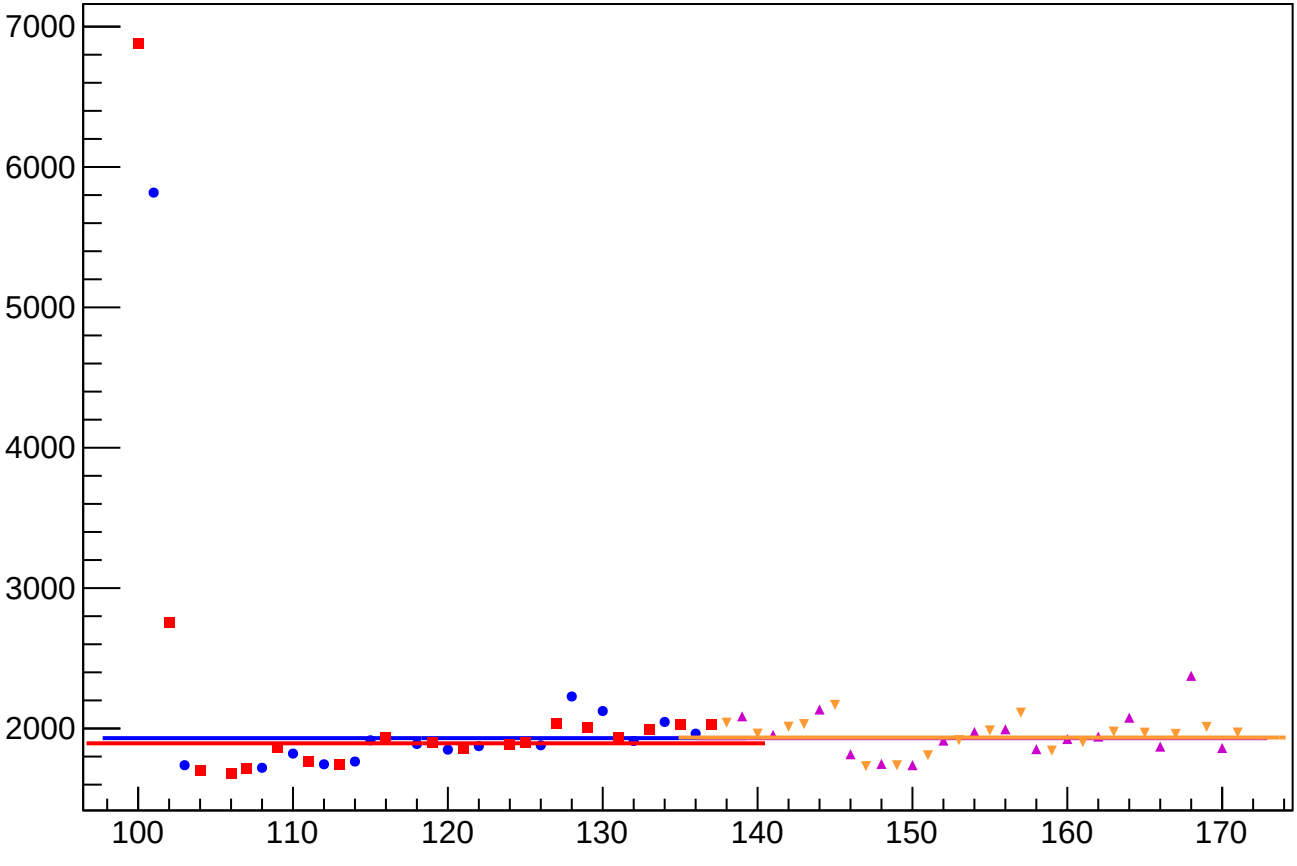
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2194.274+/-431.394 χ^2/NDF:39.4/31

Out: 2170.992+/-415.648 χ^2/NDF:33.7/36

All: 2182.200+/-299.319 χ^2/NDF: 73.1/68

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: 1930.813+/-0.377 χ^2/NDF:149337.9/15

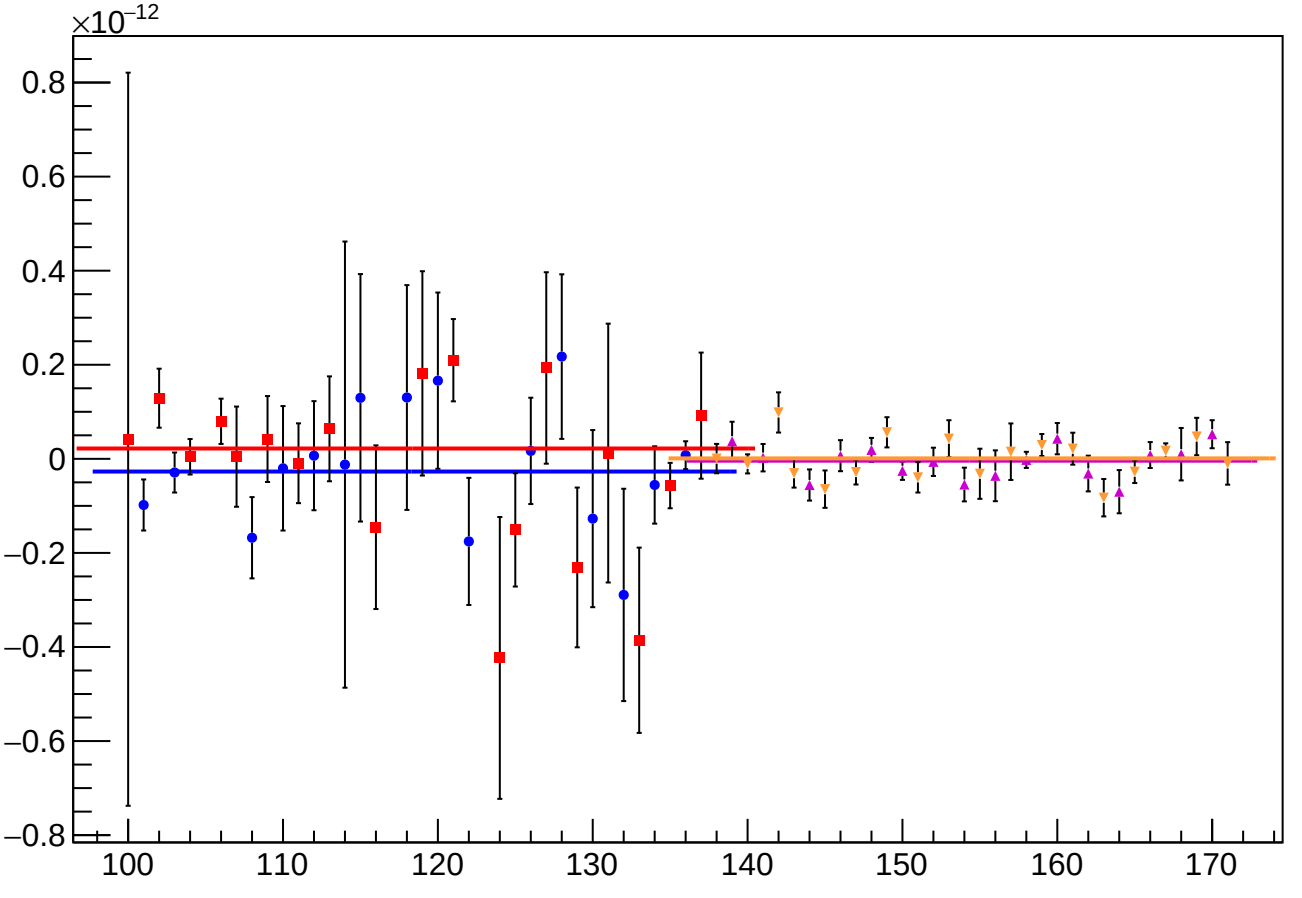
Left: 1933.291+/-0.262 χ^2/NDF: 252346.1/33

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1930.963+/-0.305 χ^2/NDF:810565.5/31

Out: 1921.319+/-0.294 χ^2/NDF:327924.0/36

All: 1925.962+/-0.212 χ^2/NDF: 1139007.9/68



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:16.4/15

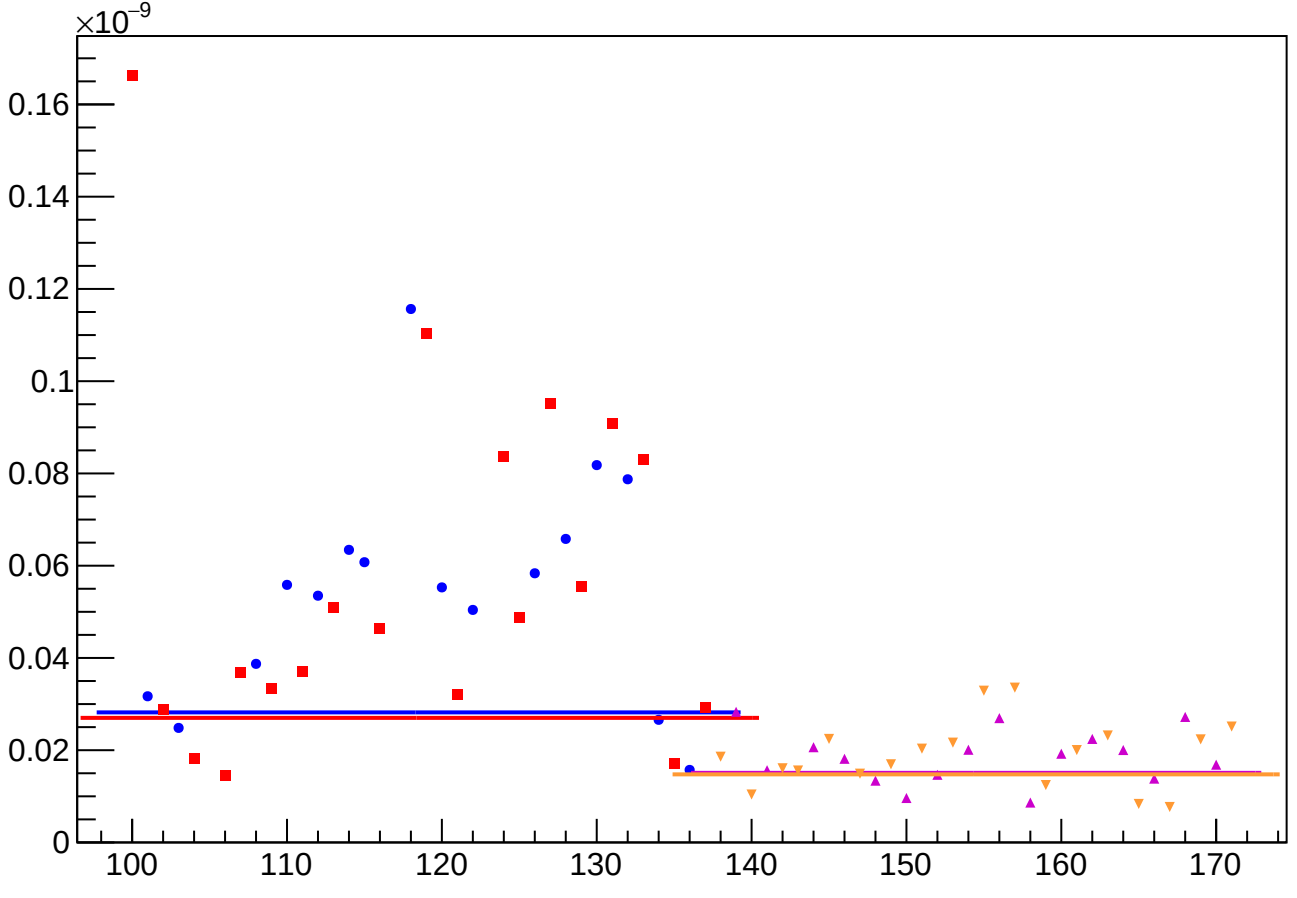
Left: -0.000+/-0.000 χ^2/NDF: 43.3/33

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:30.4/31

Out: 0.000+/-0.000 χ^2/NDF:53.2/36

All: -0.000+/-0.000 χ^2/NDF: 84.7/68



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:1098507.1/15

Left: 0.000+/-0.000 χ^2/NDF: 2733426.8/33

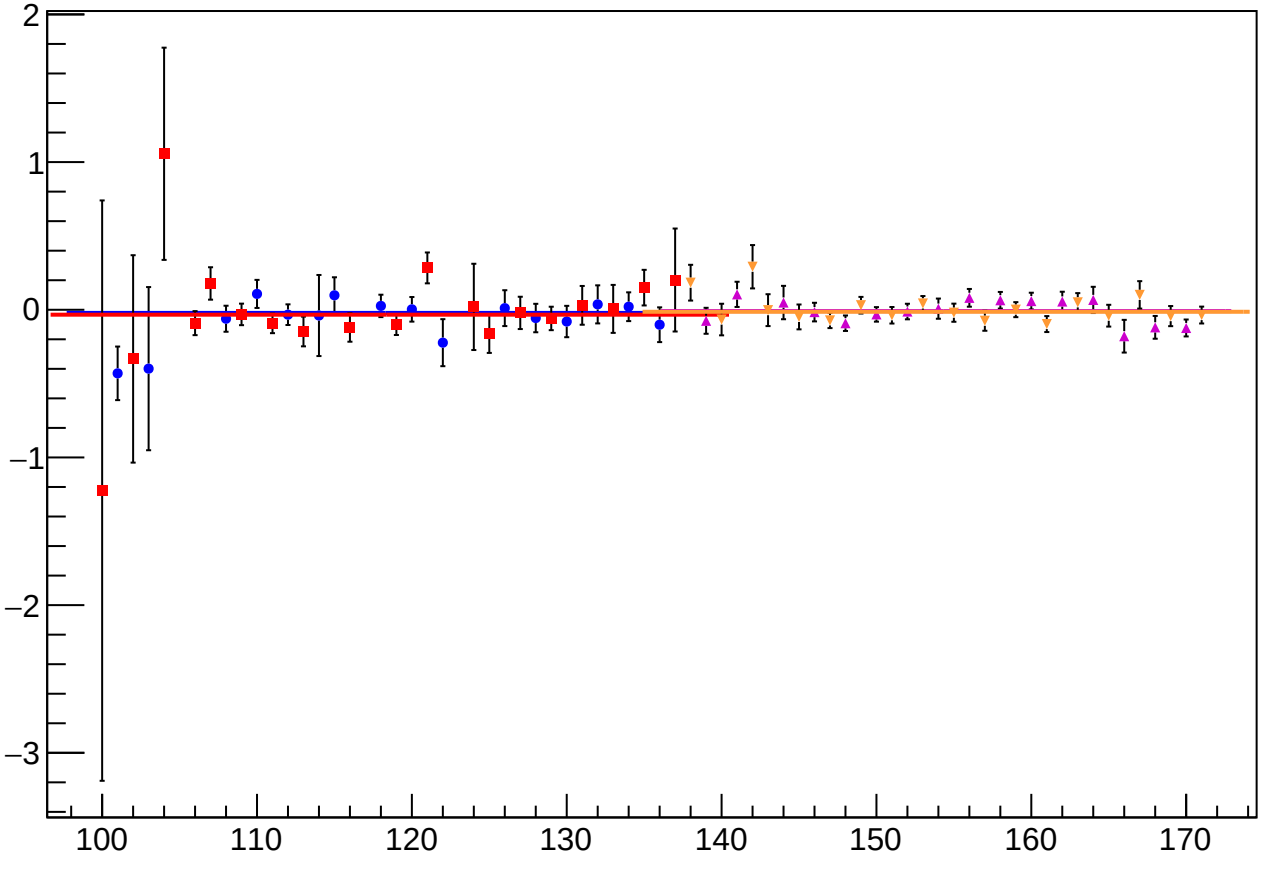
Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3403293.2/31

Out: 0.000+/-0.000 χ^2/NDF:3896461.6/36

All: 0.000+/-0.000 χ^2/NDF: 7308129.6/68

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: -0.009+/-0.016 χ^2/NDF:20.8/15

Left: -0.011+/-0.011 χ^2/NDF: 37.8/33

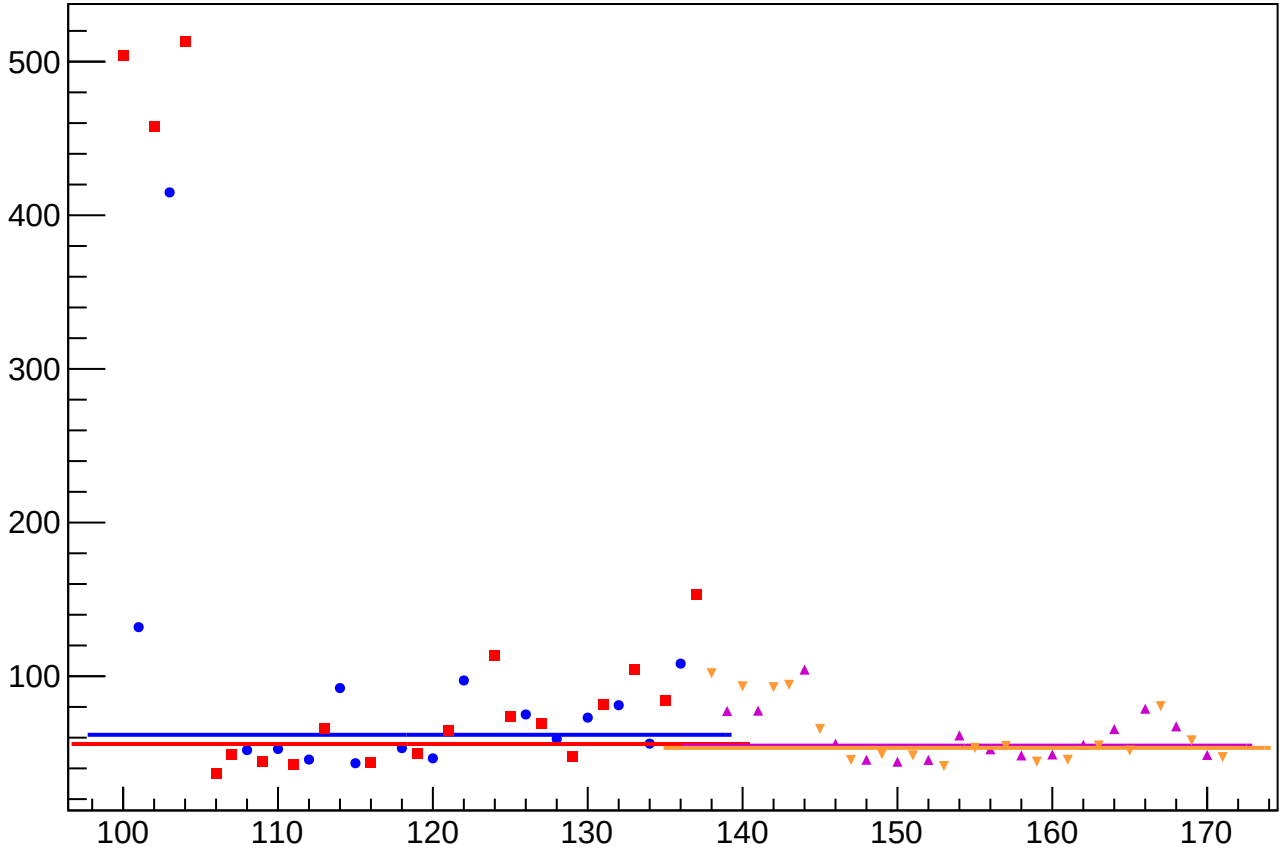
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.016+/-0.010 χ^2/NDF: 74.9/68

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 54.801+/-0.012 χ^2/NDF:1139552.7/15

Left: 54.046+/-0.008 χ^2/NDF: 2717833.0/33

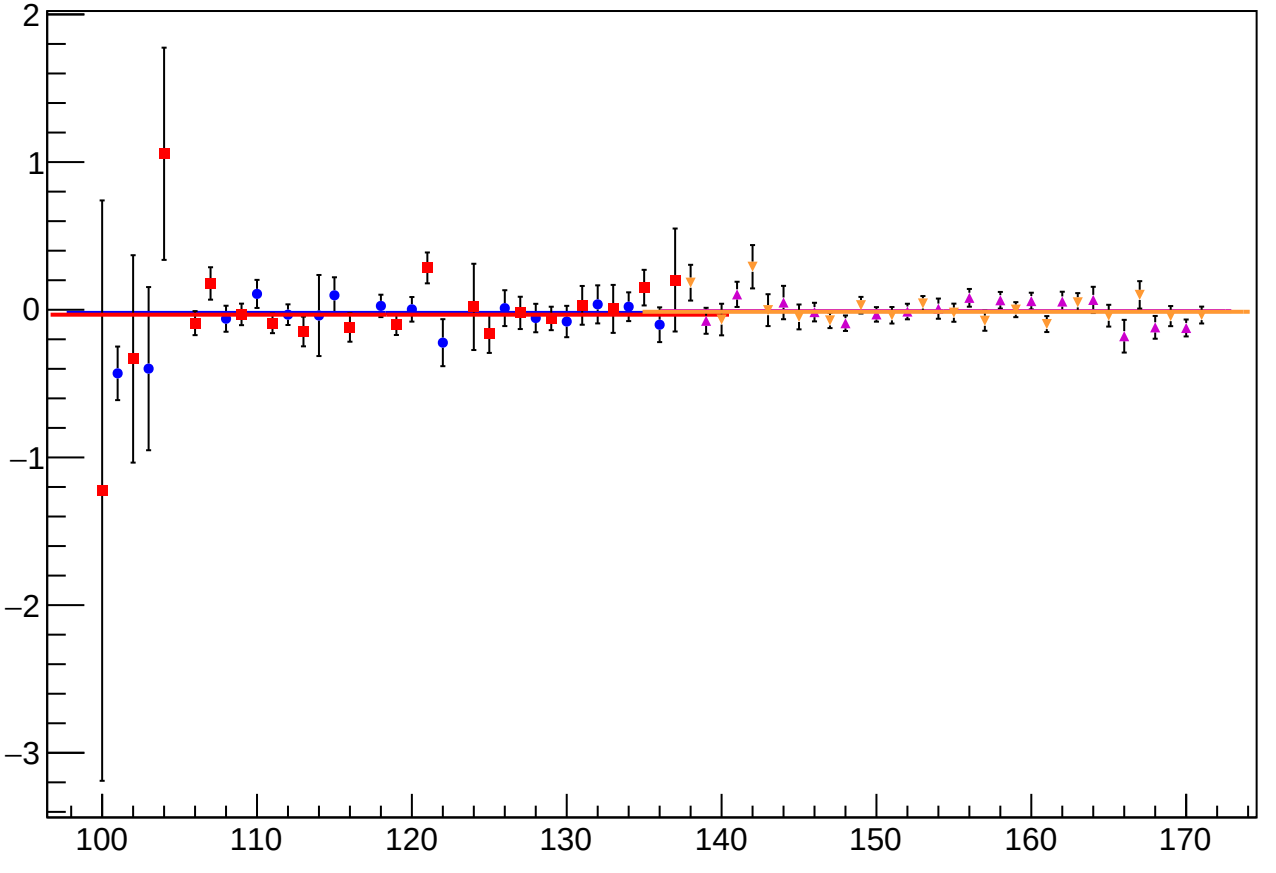
Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 56.738+/-0.010 χ^2/NDF:3180597.4/31

Out: 54.081+/-0.009 χ^2/NDF:4176467.0/36

All: 55.338+/-0.007 χ^2/NDF: 7395587.7/68

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: -0.009+/-0.016 χ^2/NDF:20.8/15

Left: -0.011+/-0.011 χ^2/NDF: 37.8/33

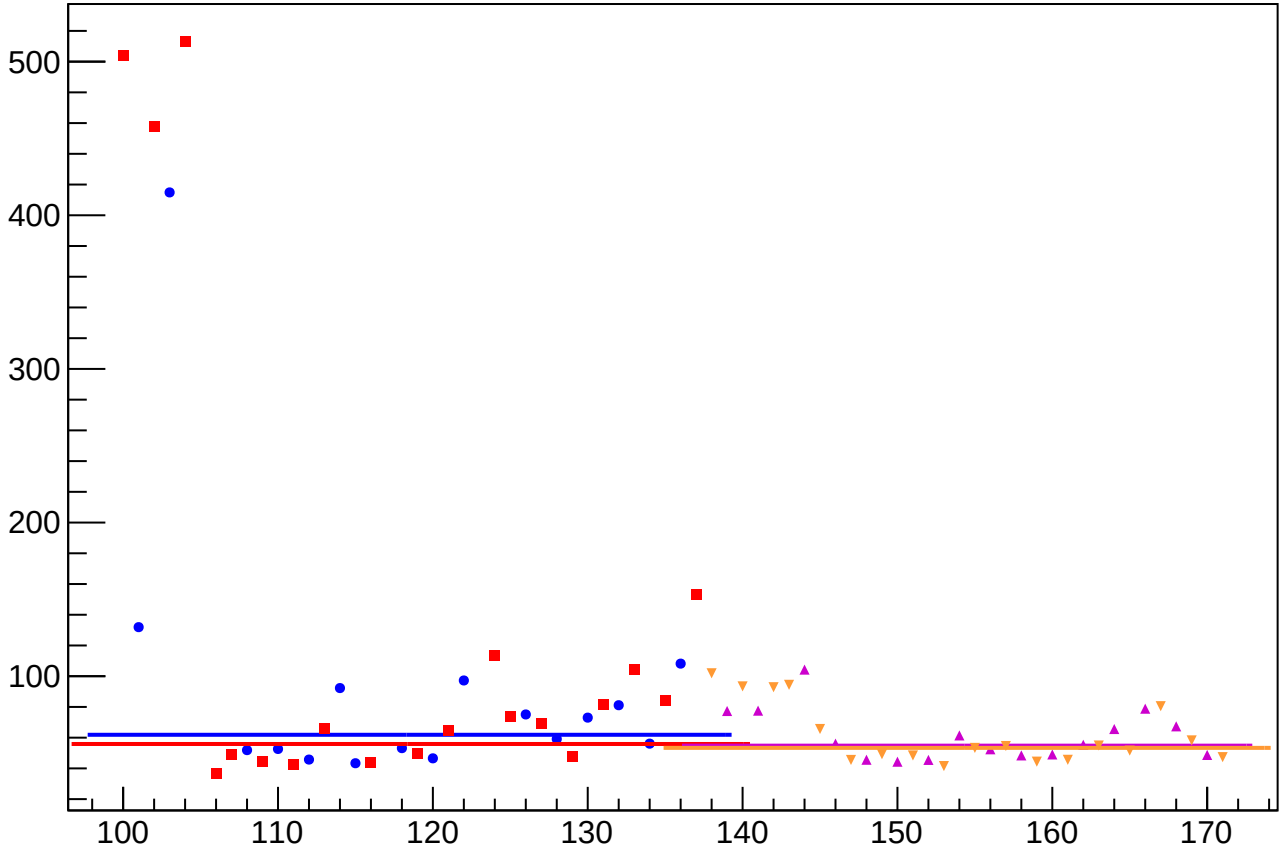
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.016+/-0.010 χ^2/NDF: 74.9/68

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 54.801+/-0.012 χ^2/NDF:1139552.7/15

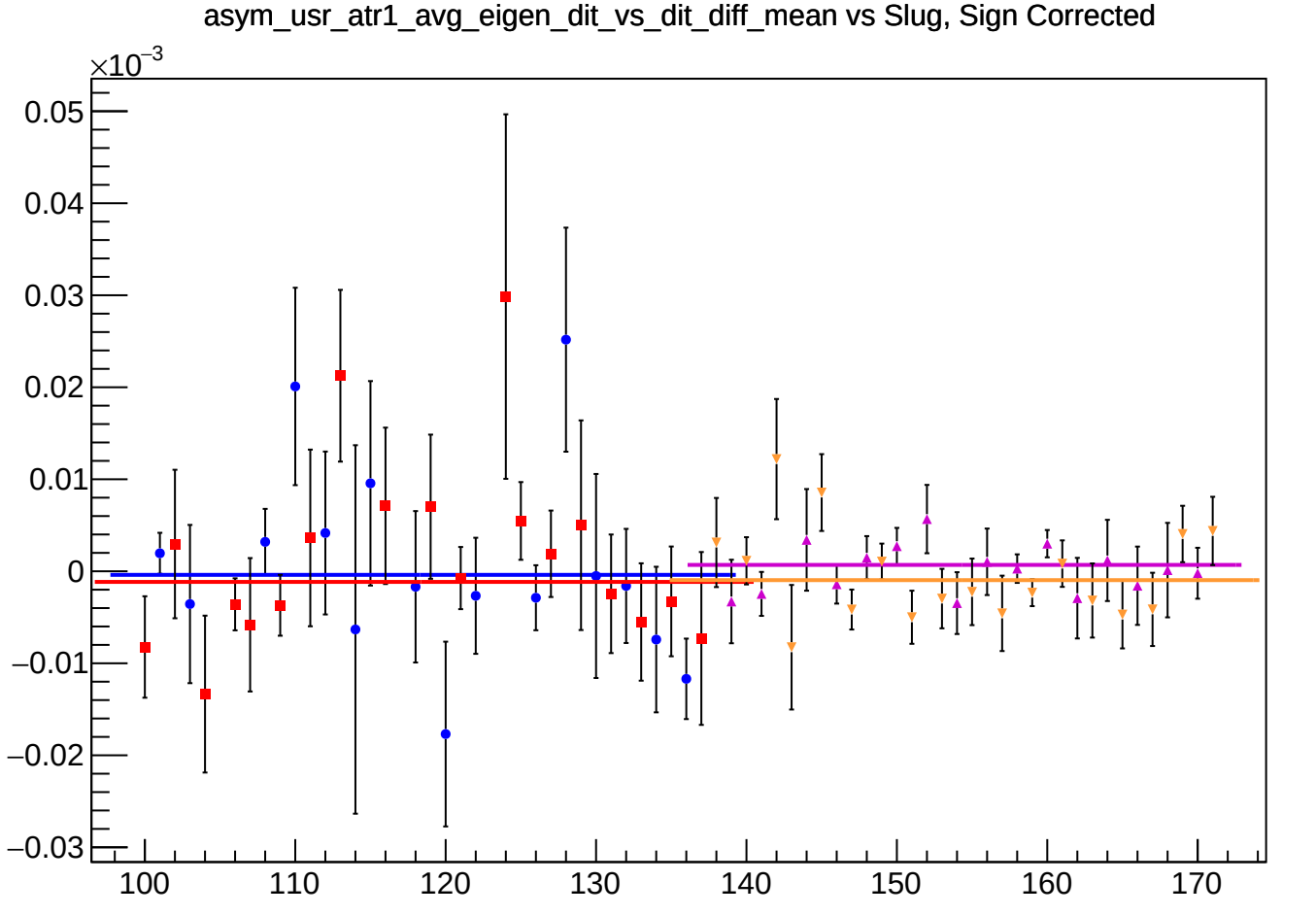
Left: 54.046+/-0.008 χ^2/NDF: 2717833.0/33

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

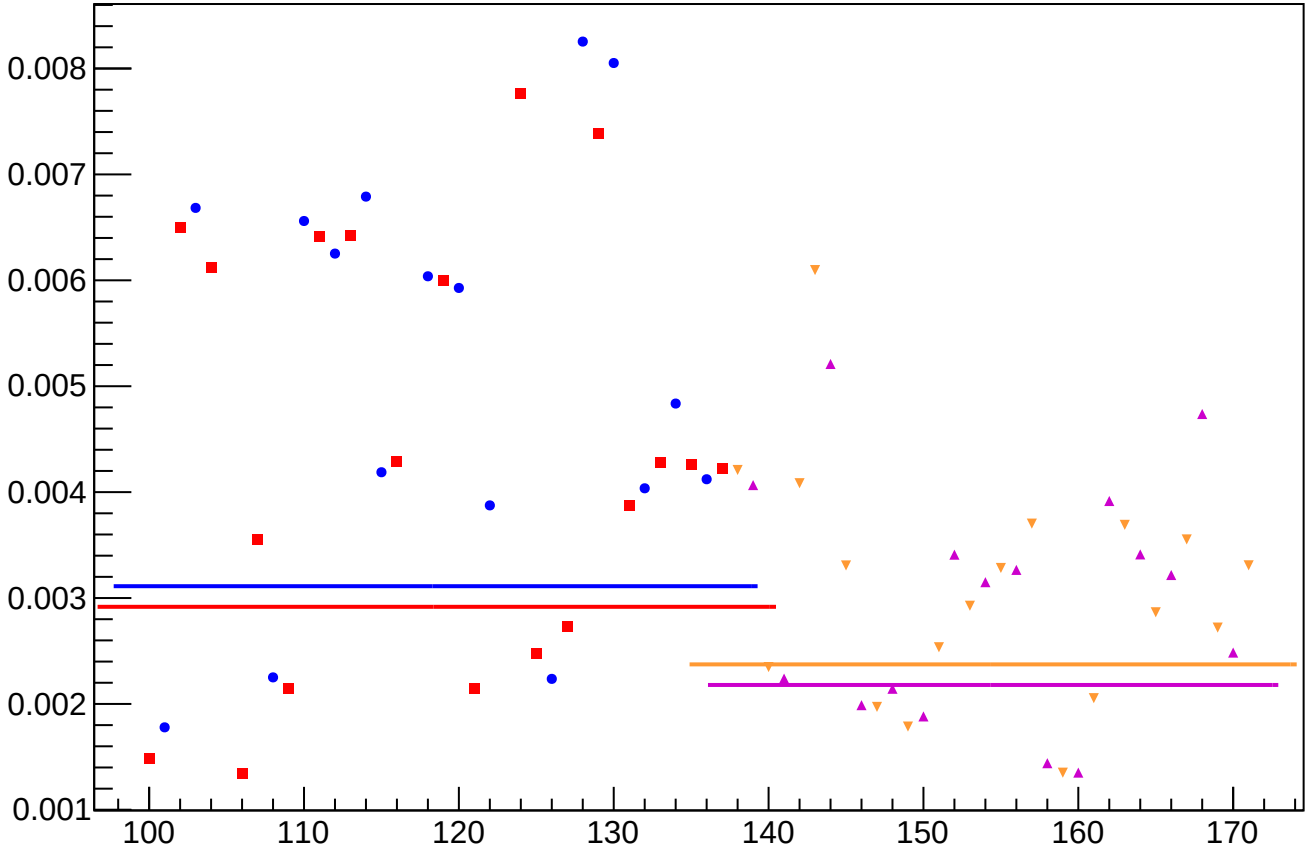
In: 56.738+/-0.010 χ^2/NDF:3180597.4/31

Out: 54.081+/-0.009 χ^2/NDF:4176467.0/36

All: 55.338+/-0.007 χ^2/NDF: 7395587.7/68


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: -0.000+/-0.000 χ²/NDF:26.4/17
Right Out: -0.000+/-0.000 χ²/NDF: 20.4/18
Left In: 0.000+/-0.000 χ²/NDF:11.8/15
Left: -0.000+/-0.000 χ²/NDF: 41.2/33
Right: -0.000+/-0.000 χ²/NDF: 43.2/34
In: 0.000+/-0.000 χ²/NDF:34.9/31
Out: -0.000+/-0.000 χ²/NDF:46.8/36
All: -0.000+/-0.000 χ²/NDF: 84.9/68

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:3765988.8/15

Left: 0.002+/-0.000 χ^2/NDF: 7219365.1/33

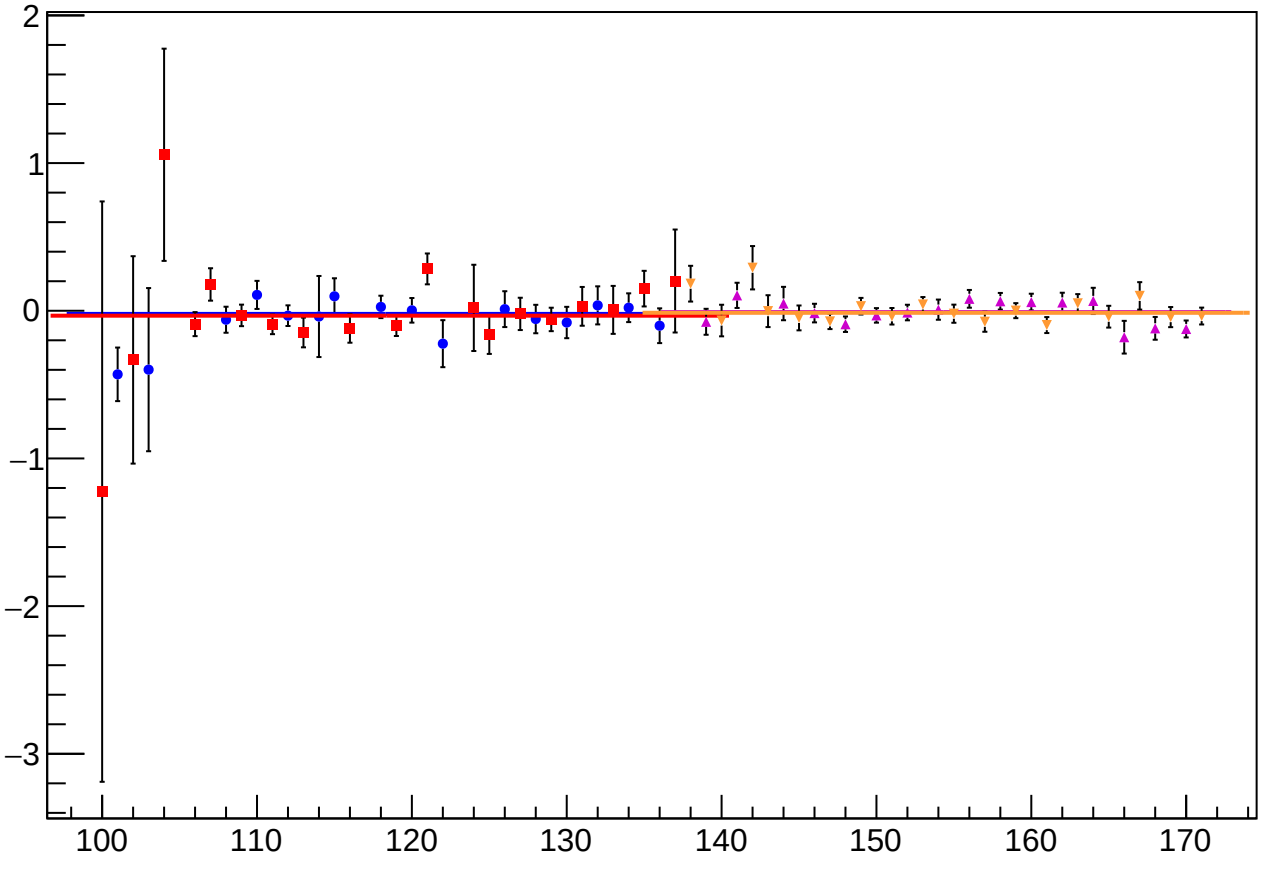
Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:7841367.8/31

Out: 0.002+/-0.000 χ^2/NDF:6954320.2/36

All: 0.002+/-0.000 χ^2/NDF: 14850863.8/68

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: -0.009+/-0.016 χ^2/NDF:20.8/15

Left: -0.011+/-0.011 χ^2/NDF: 37.8/33

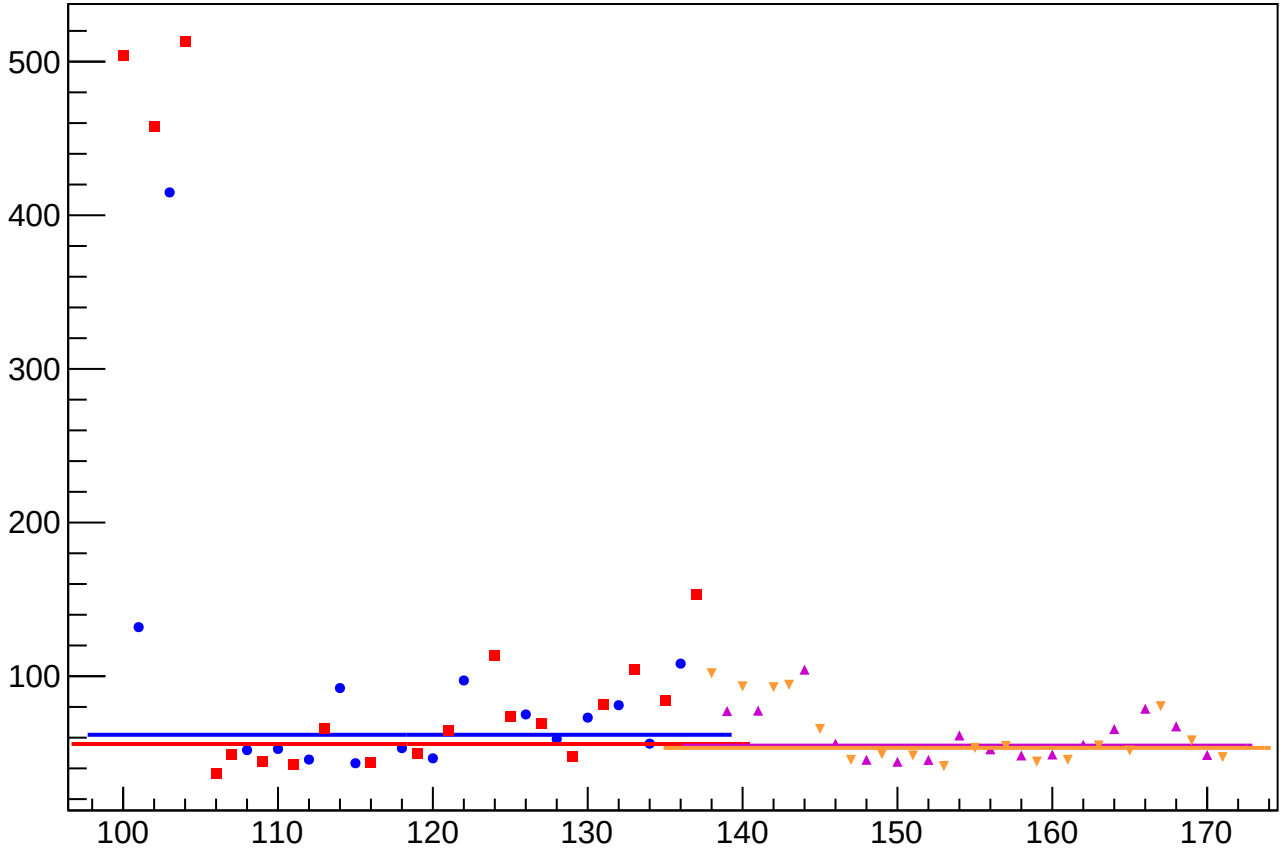
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.016+/-0.010 χ^2/NDF: 74.9/68

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.356+/-0.011 χ^2/NDF:1570107.0/17

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.801+/-0.012 χ^2/NDF:1139546.5/15

Left: 54.046+/-0.008 χ^2/NDF: 2717869.7/33

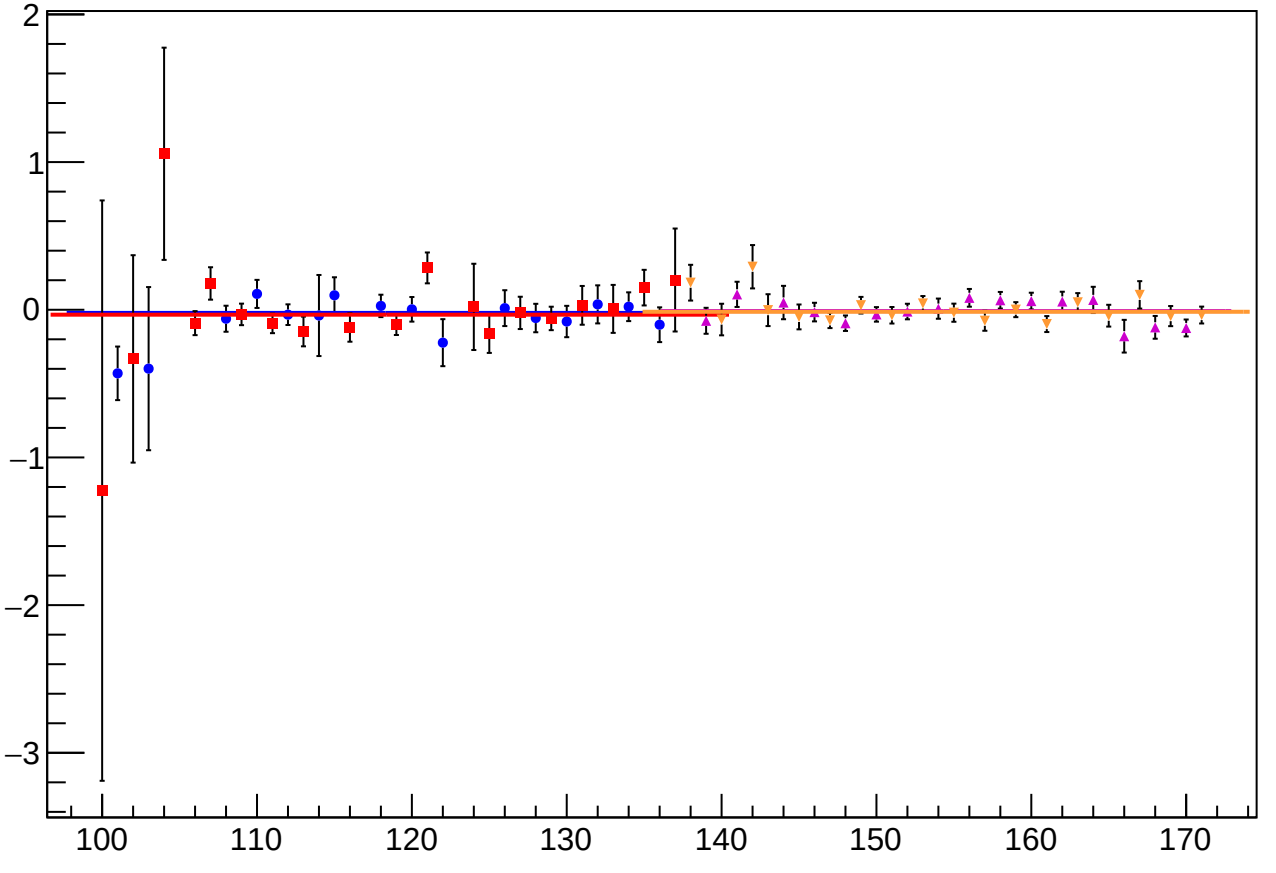
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.738+/-0.010 χ^2/NDF:3180519.5/31

Out: 54.081+/-0.009 χ^2/NDF:4176456.9/36

All: 55.338+/-0.007 χ^2/NDF: 7395504.7/68

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: -0.009+/-0.016 χ^2/NDF:20.8/15

Left: -0.011+/-0.011 χ^2/NDF: 37.8/33

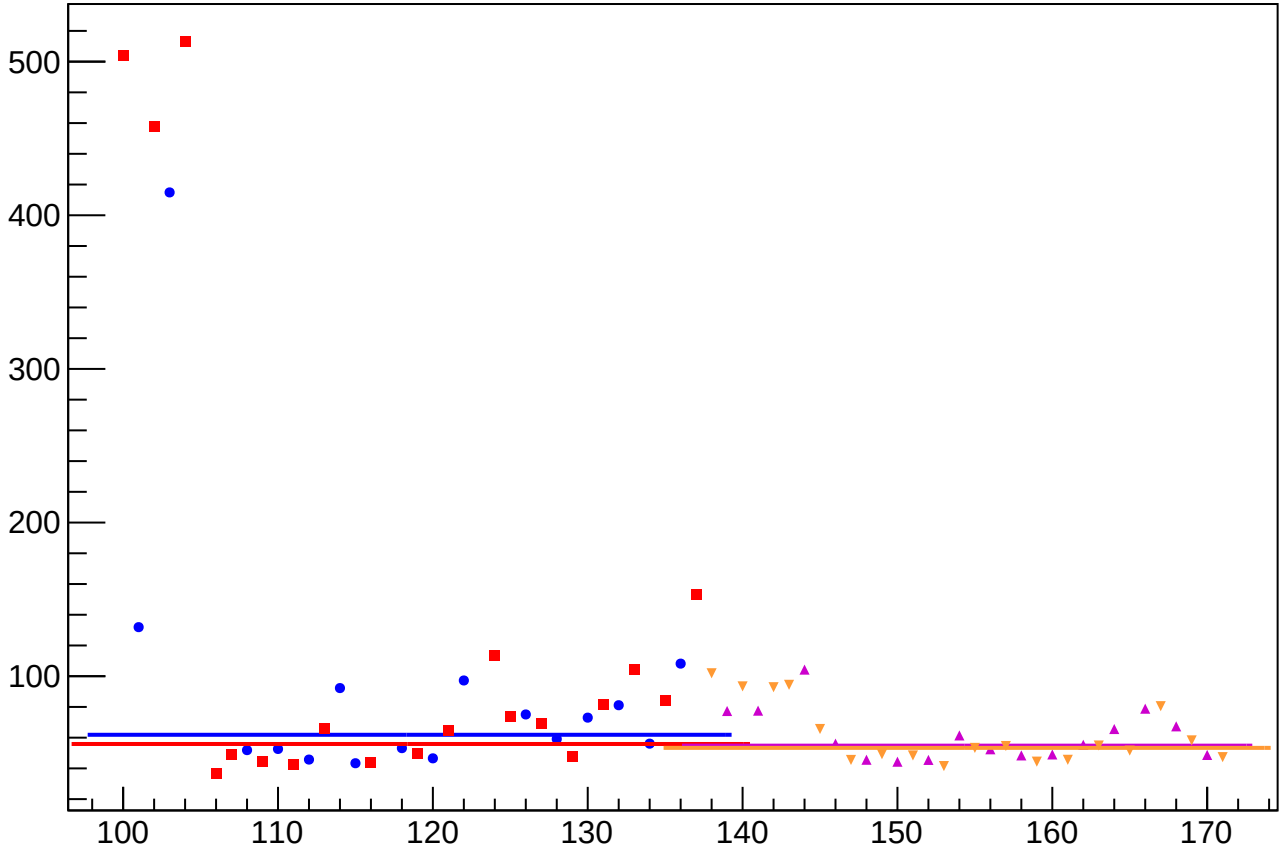
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.012+/-0.014 χ^2/NDF:32.9/31

Out: -0.019+/-0.013 χ^2/NDF:41.8/36

All: -0.016+/-0.010 χ^2/NDF: 74.9/68

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: 54.801+/-0.012 χ^2/NDF:1139546.5/15

Left: 54.046+/-0.008 χ^2/NDF: 2717869.7/33

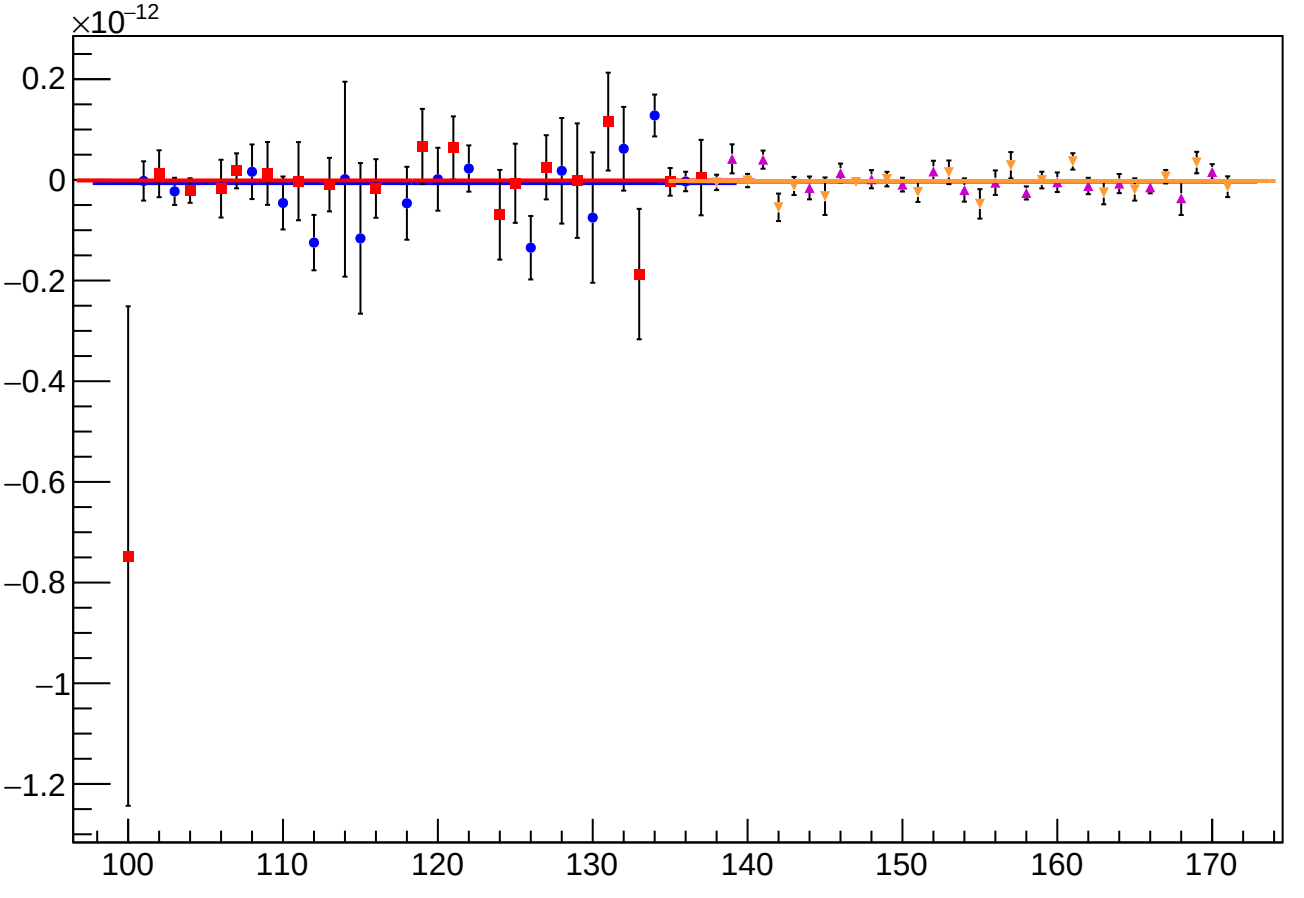
Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 56.738+/-0.010 χ^2/NDF:3180519.5/31

Out: 54.081+/-0.009 χ^2/NDF:4176456.9/36

All: 55.338+/-0.007 χ^2/NDF: 7395504.7/68

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:17.9/15

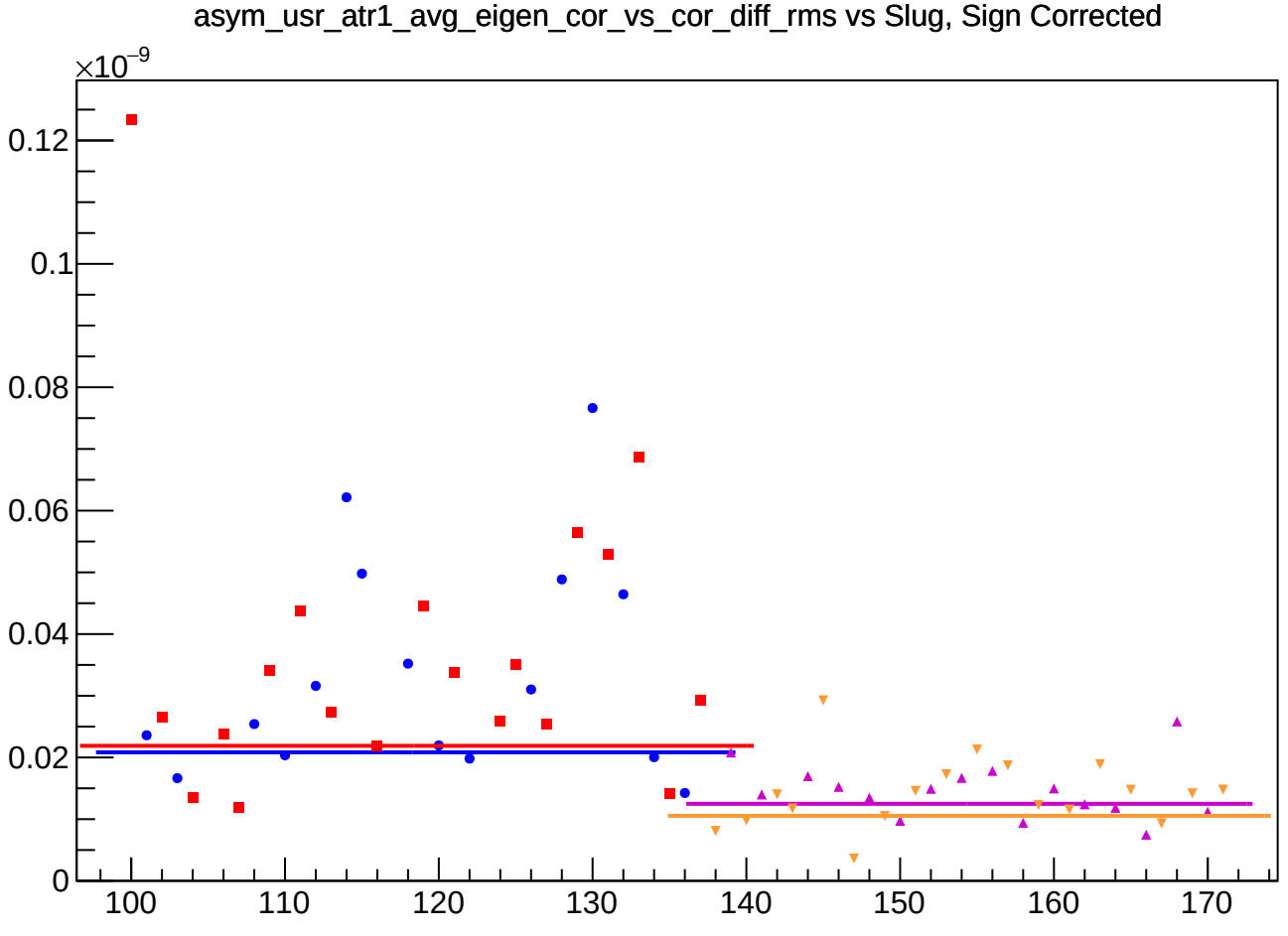
Left: -0.000+/-0.000 χ^2/NDF: 39.3/33

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:40.5/31

Out: -0.000+/-0.000 χ^2/NDF:31.0/36

All: -0.000+/-0.000 χ^2/NDF: 71.7/68



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:1406495.8/15

Left: 0.000+/-0.000 χ^2/NDF: 4829369.2/33

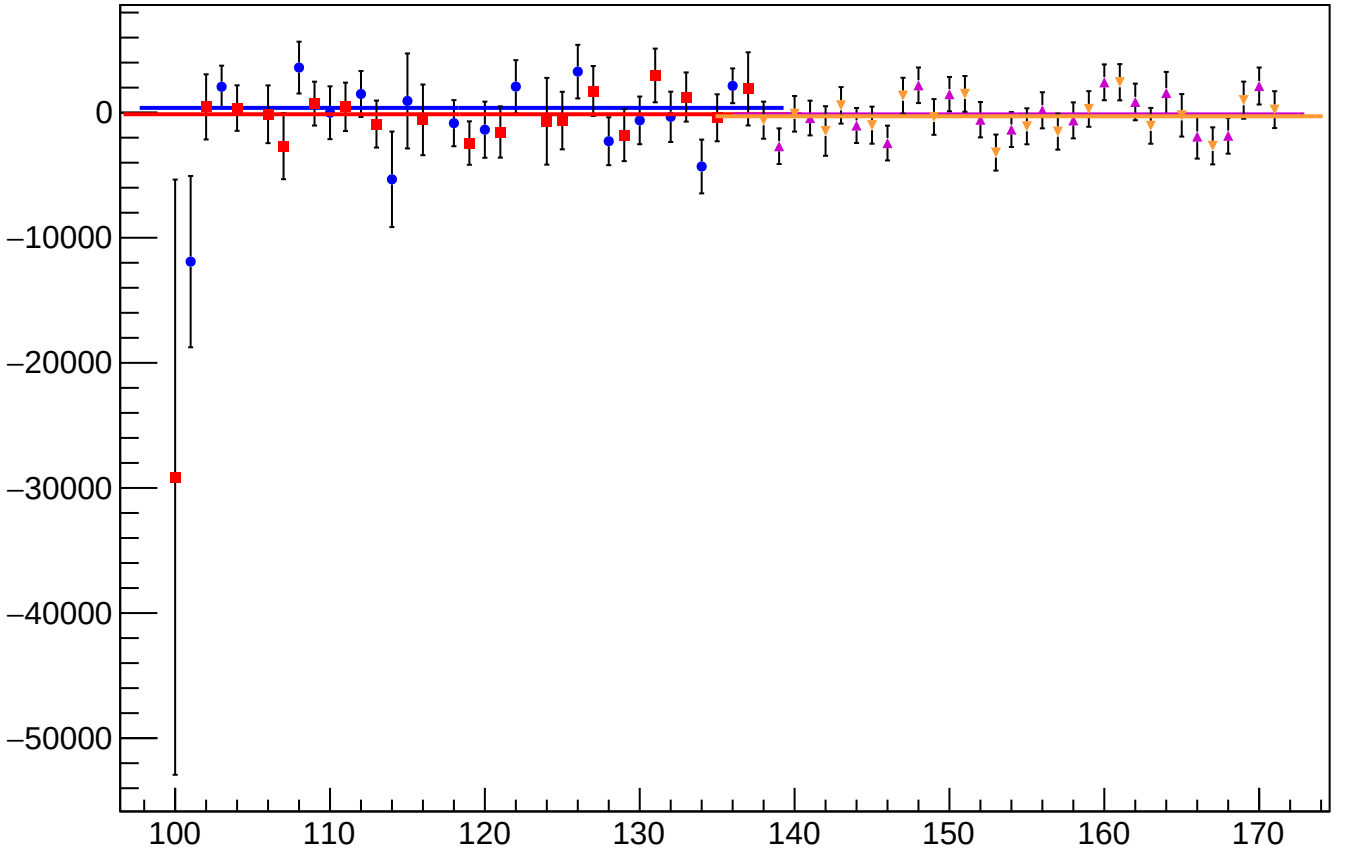
Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3737714.3/31

Out: 0.000+/-0.000 χ^2/NDF:6753743.4/36

All: 0.000+/-0.000 χ^2/NDF: 10726511.3/68

reg_asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -289.117+/-348.744 χ^2/NDF:16.4/17

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -138.279+/-362.494 χ^2/NDF:20.9/15

Left: -216.613+/-251.320 χ^2/NDF: 37.4/33

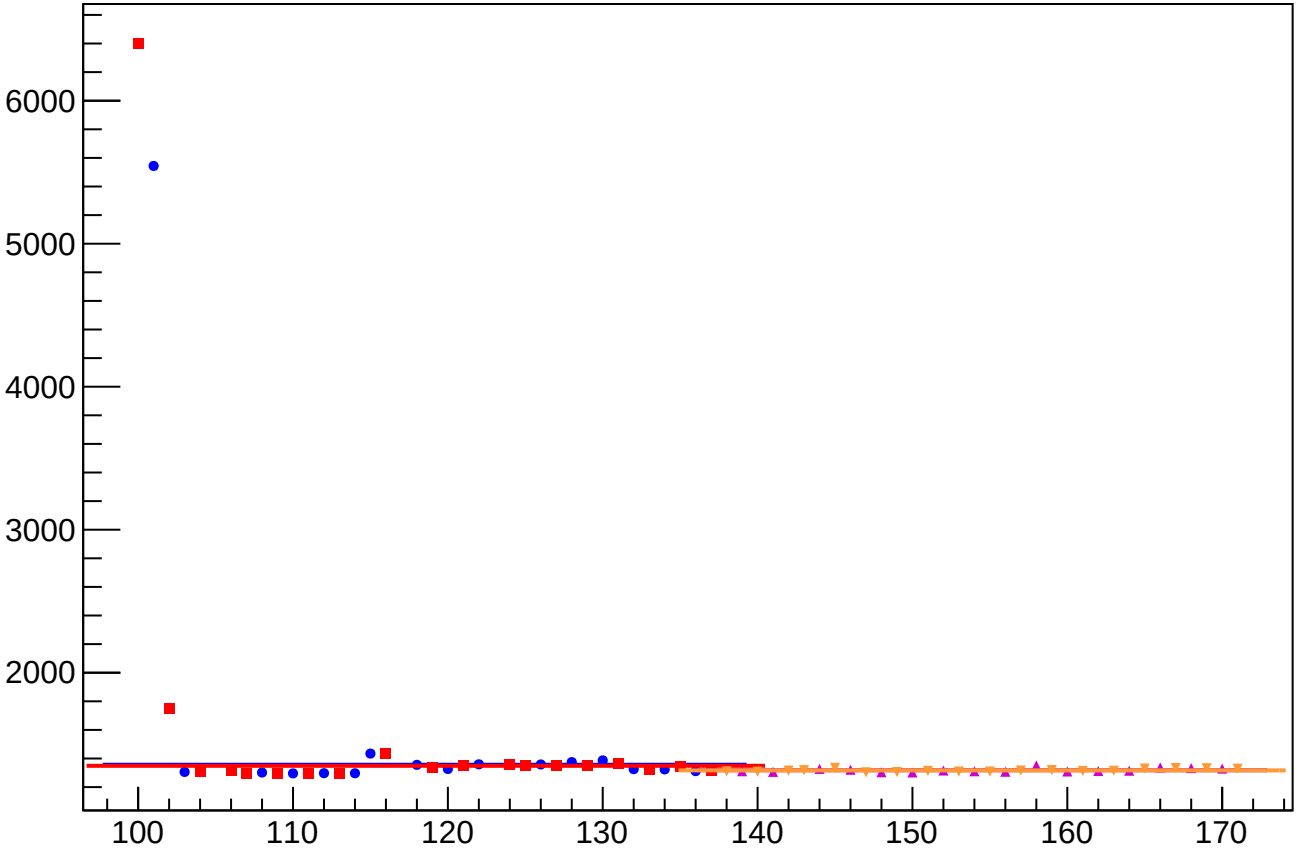
Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 32.649+/-296.955 χ^2/NDF:43.1/31

Out: -236.504+/-286.224 χ^2/NDF:26.5/36

All: -106.879+/-206.080 χ^2/NDF: 70.0/68

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



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: 1318.050+/-0.256 χ^2/NDF:2646.1/15

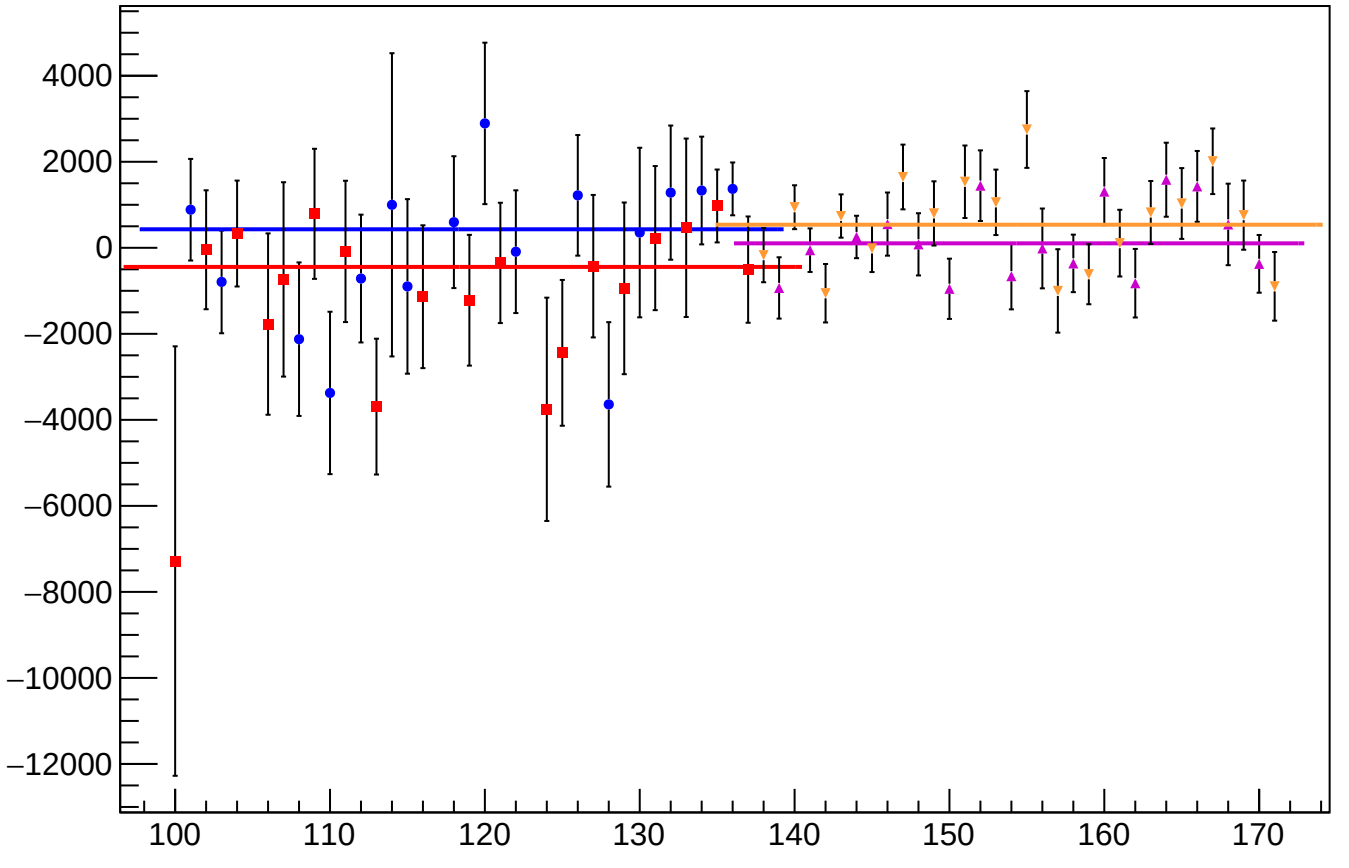
Left: 1317.469+/-0.178 χ^2/NDF: 4235.2/33

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.663+/-0.210 χ^2/NDF:770274.0/31

Out: 1327.390+/-0.202 χ^2/NDF:154356.0/36

All: 1328.966+/-0.146 χ^2/NDF: 924755.9/68



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: 103.801+/-177.545 χ^2/NDF:19.1/15

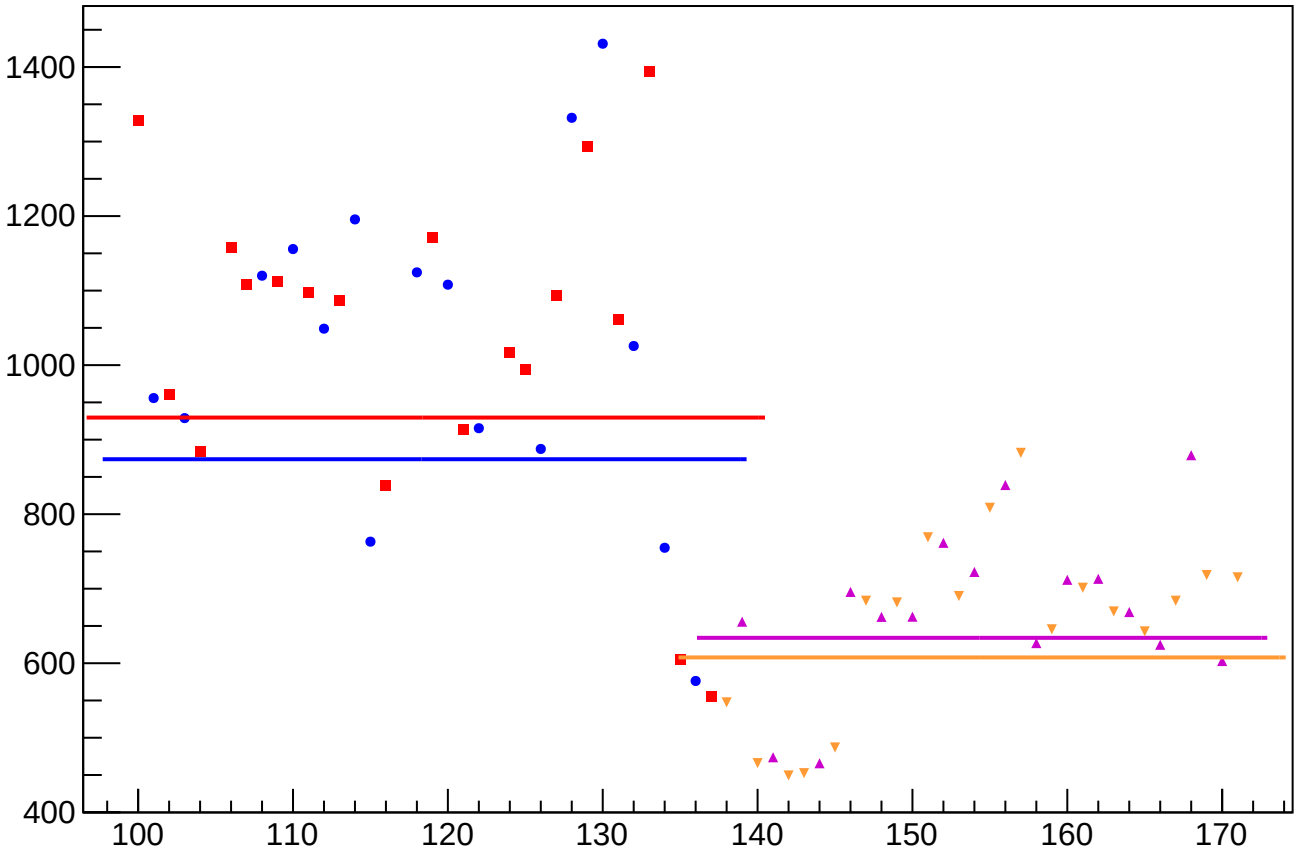
Left: 335.977+/-120.902 χ^2/NDF: 54.3/33

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 174.270+/-157.226 χ^2/NDF:38.0/31

Out: 362.722+/-149.744 χ^2/NDF:52.6/36

All: 273.087+/-108.433 χ^2/NDF: 91.4/68



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: 634.073+/-0.126 χ^2/NDF:809294.5/15

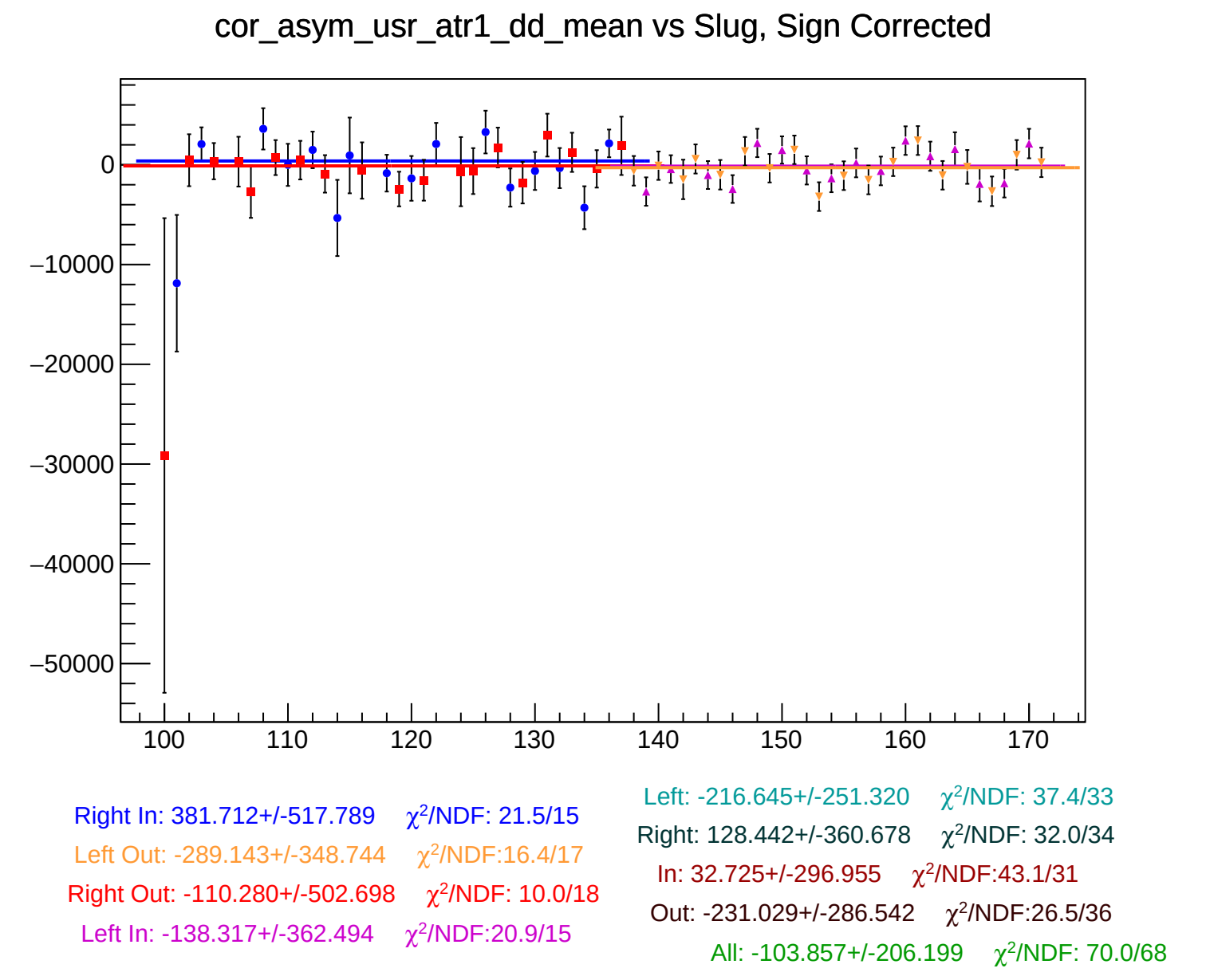
Left: 619.955+/-0.085 χ^2/NDF: 1946327.4/33

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

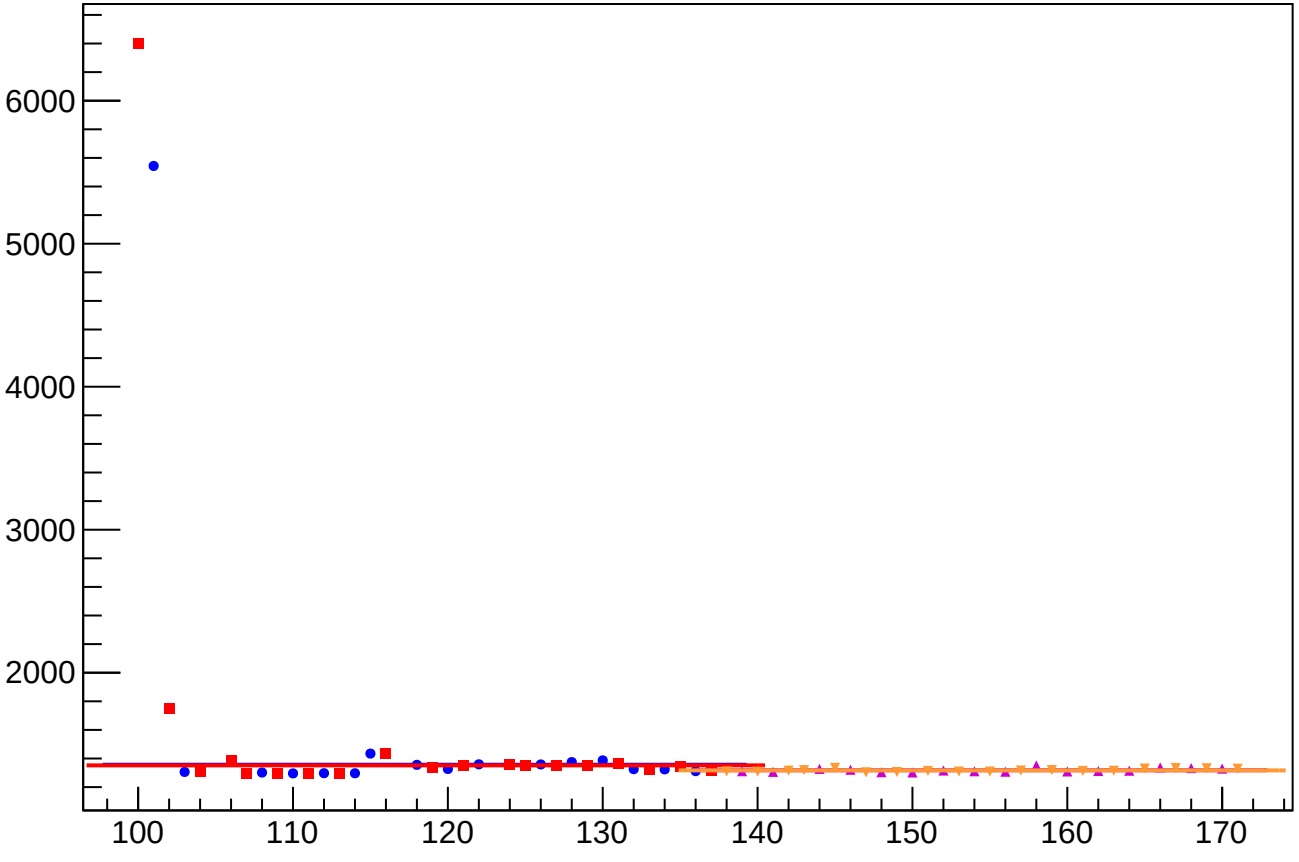
In: 685.789+/-0.111 χ^2/NDF:2610548.3/31

Out: 664.829+/-0.106 χ^2/NDF:3321592.9/36

All: 674.799+/-0.077 χ^2/NDF: 5950778.5/68


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: -138.317+/-362.494 χ²/NDF:20.9/15
Left: -216.645+/-251.320 χ²/NDF: 37.4/33
Right: 128.442+/-360.678 χ²/NDF: 32.0/34
In: 32.725+/-296.955 χ²/NDF:43.1/31
Out: -231.029+/-286.542 χ²/NDF:26.5/36
All: -103.857+/-206.199 χ²/NDF: 70.0/68

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: 1318.050+/-0.256 χ^2/NDF:2646.1/15

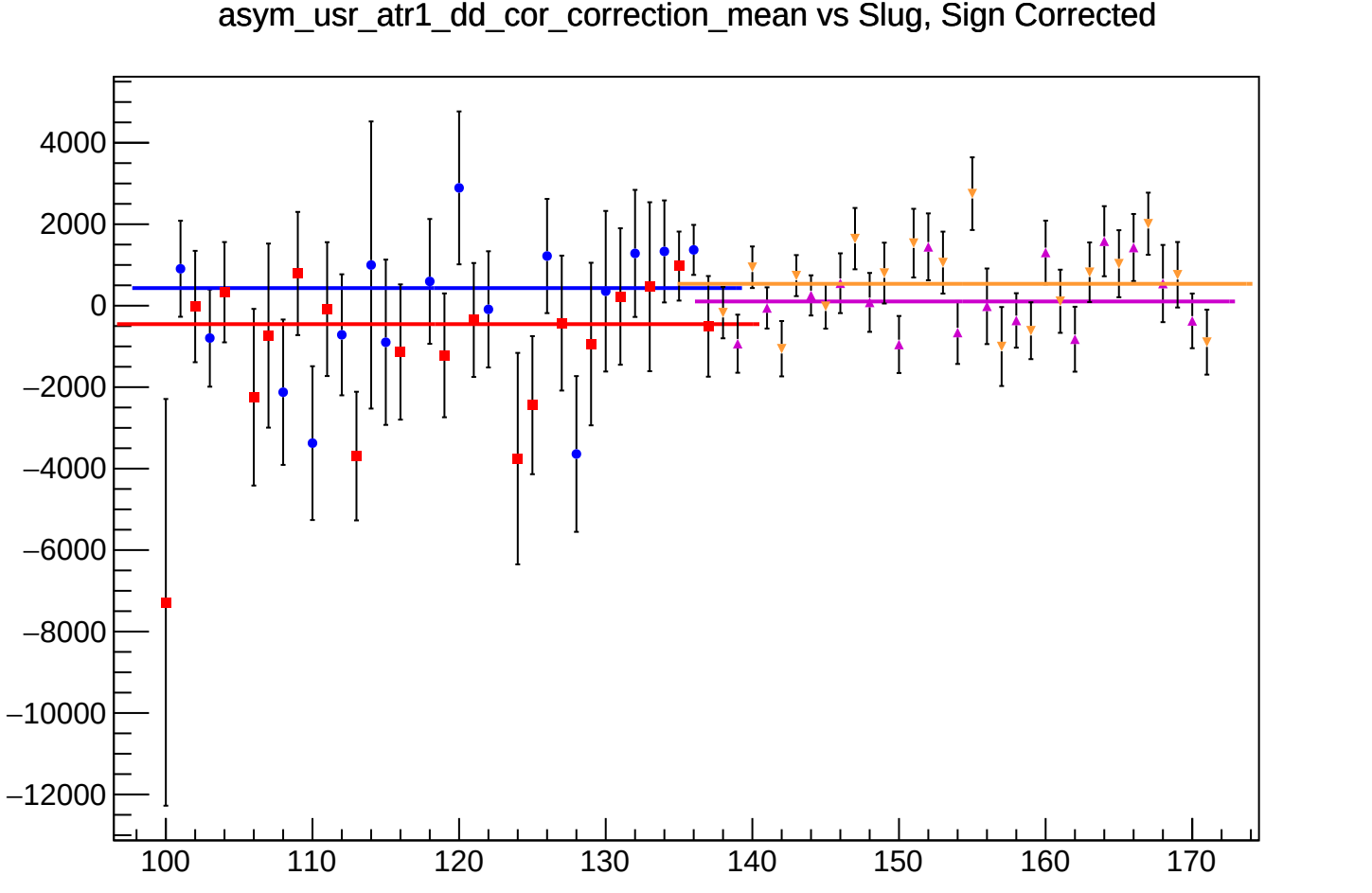
Left: 1317.469+/-0.178 χ^2/NDF: 4235.2/33

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.663+/-0.210 χ^2/NDF:770273.1/31

Out: 1328.353+/-0.203 χ^2/NDF:155507.8/36

All: 1329.466+/-0.146 χ^2/NDF: 925843.5/68



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: 103.803+/-177.543 χ^2/NDF:19.1/15

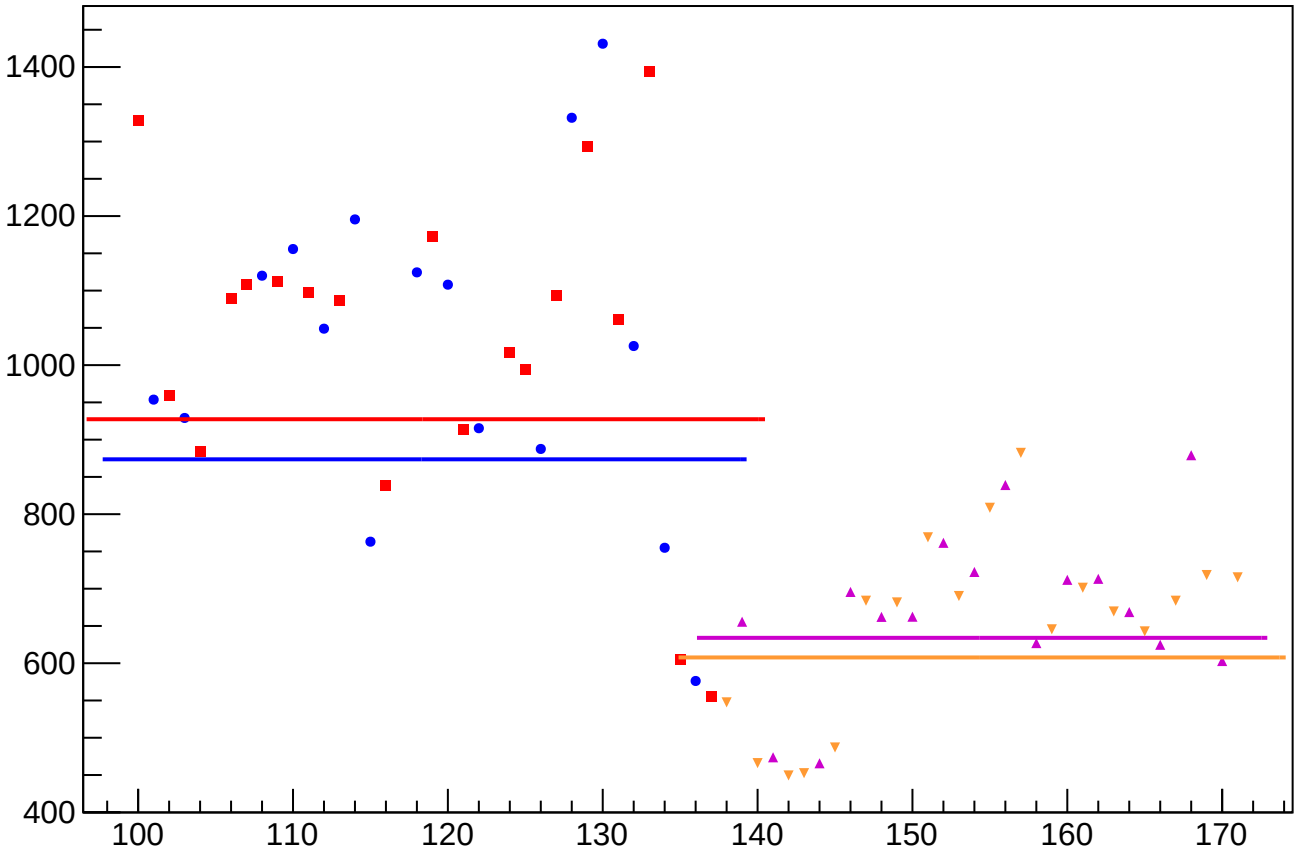
Left: 335.961+/-120.902 χ^2/NDF: 54.3/33

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 174.672+/-157.219 χ^2/NDF:38.1/31

Out: 361.197+/-149.744 χ^2/NDF:53.0/36

All: 272.474+/-108.431 χ^2/NDF: 91.9/68



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: 634.067+/-0.126 χ^2/NDF:809358.5/15

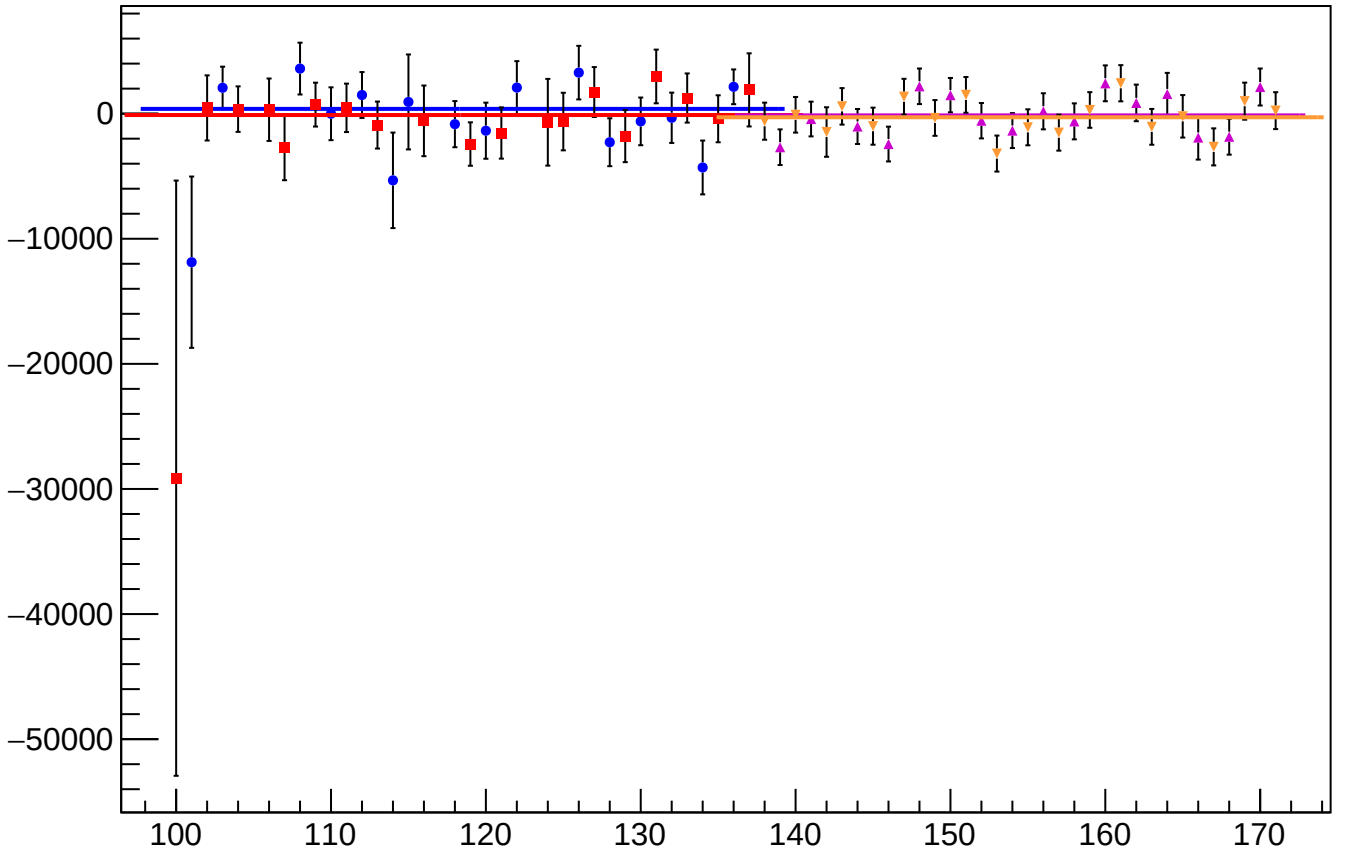
Left: 619.953+/-0.085 χ^2/NDF: 1946302.3/33

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.771+/-0.111 χ^2/NDF:2609571.3/31

Out: 664.433+/-0.106 χ^2/NDF:3290315.5/36

All: 674.583+/-0.077 χ^2/NDF: 5919203.2/68



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: -138.317+/-362.494 χ^2/NDF:20.9/15

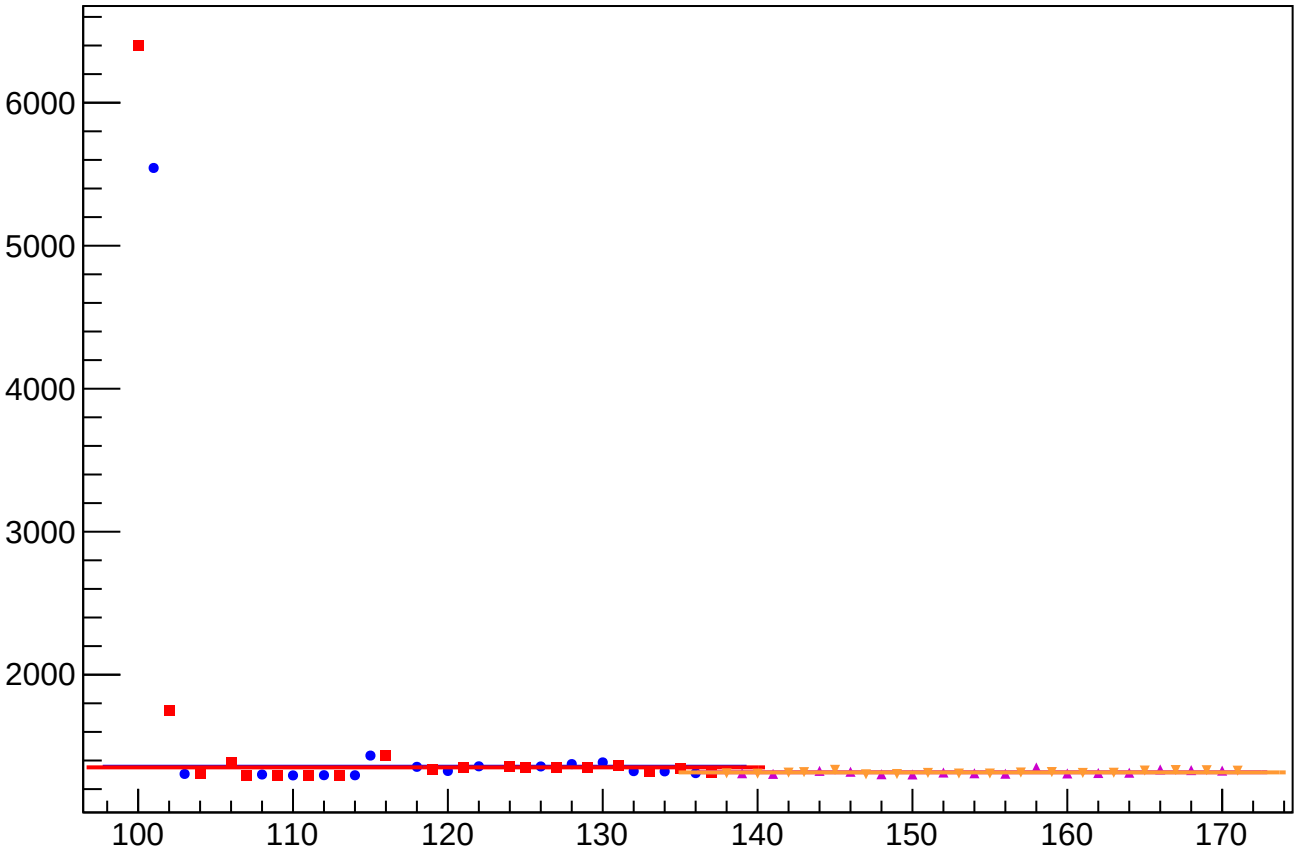
Left: -216.645+/-251.320 χ^2/NDF: 37.4/33

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 32.725+/-296.955 χ^2/NDF:43.1/31

Out: -231.029+/-286.542 χ^2/NDF:26.5/36

All: -103.857+/-206.199 χ^2/NDF: 70.0/68



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: 1318.050+/-0.256 χ^2/NDF:2646.1/15

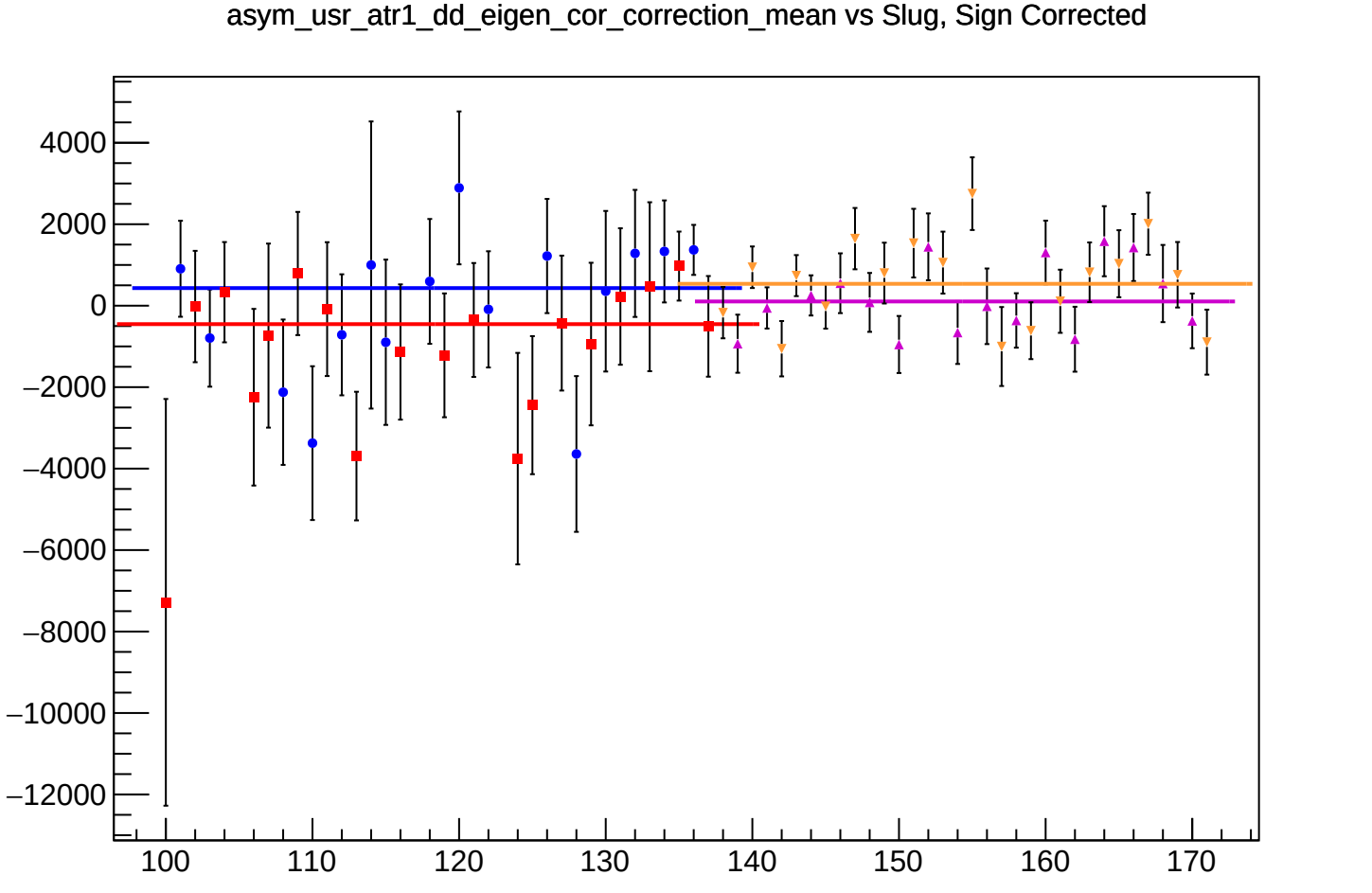
Left: 1317.469+/-0.178 χ^2/NDF: 4235.2/33

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.663+/-0.210 χ^2/NDF:770273.1/31

Out: 1328.353+/-0.203 χ^2/NDF:155507.8/36

All: 1329.466+/-0.146 χ^2/NDF: 925843.5/68



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: 103.803+/-177.543 χ^2/NDF:19.1/15

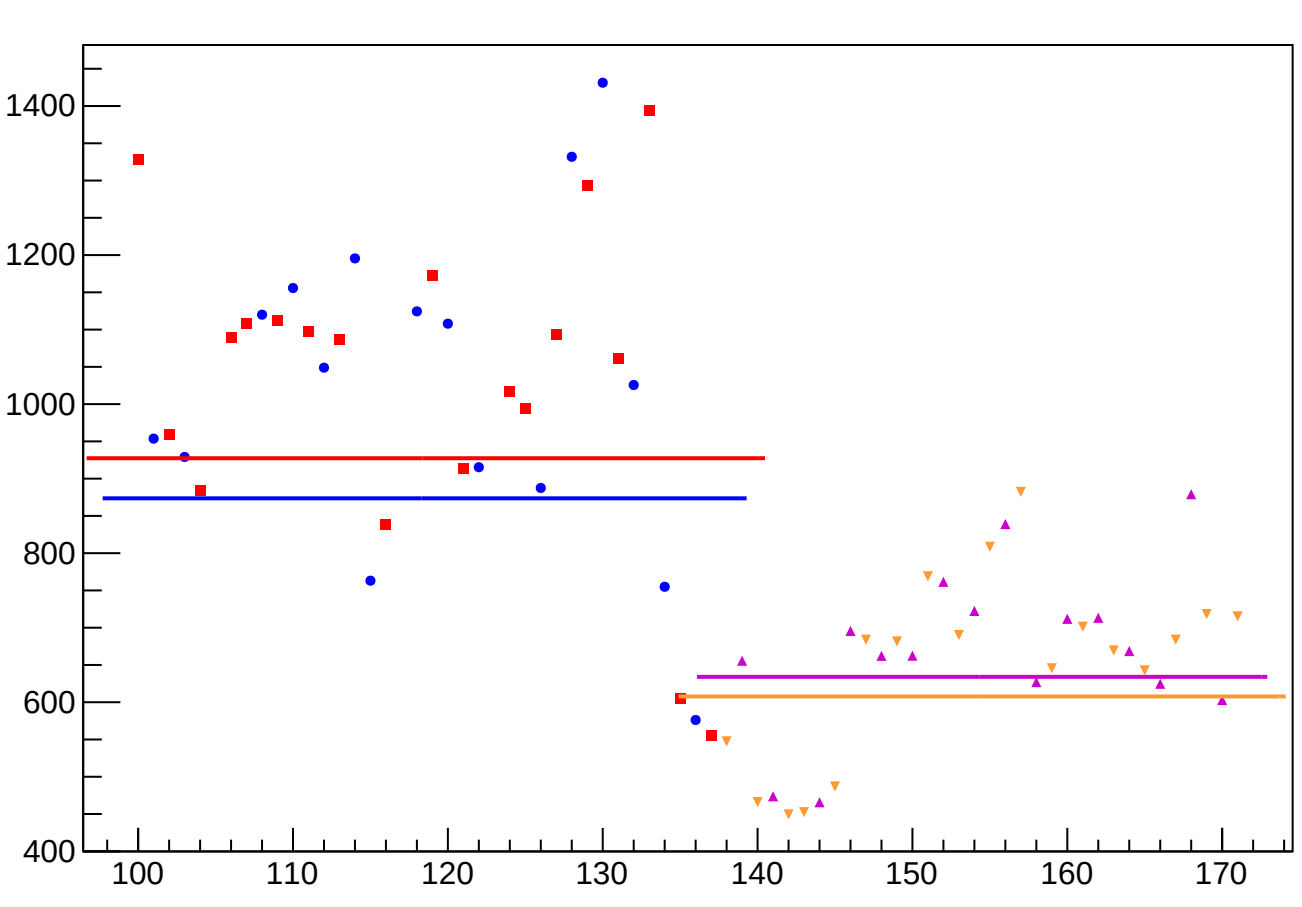
Left: 335.961+/-120.902 χ^2/NDF: 54.3/33

Right: 11.468+/-245.141 χ^2/NDF: 36.2/34

In: 174.672+/-157.219 χ^2/NDF:38.1/31

Out: 361.197+/-149.744 χ^2/NDF:53.0/36

All: 272.474+/-108.431 χ^2/NDF: 91.9/68



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: 634.067+/-0.126 χ^2/NDF:809358.5/15

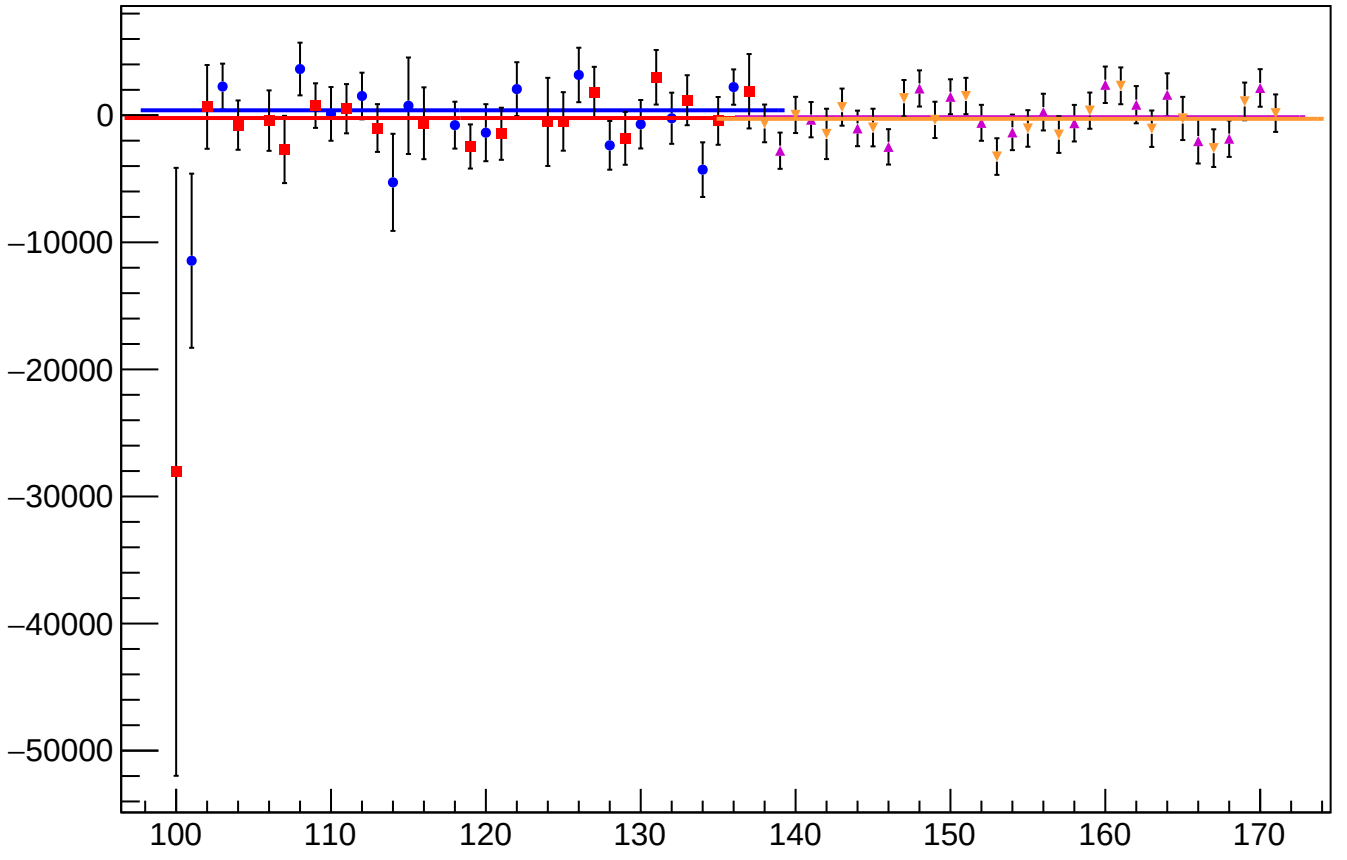
Left: 619.953+/-0.085 χ^2/NDF: 1946302.3/33

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 685.771+/-0.111 χ^2/NDF:2609571.3/31

Out: 664.433+/-0.106 χ^2/NDF:3290315.5/36

All: 674.583+/-0.077 χ^2/NDF: 5919203.2/68



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -280.966+/-349.019 χ^2/NDF:16.3/17

Right Out: -218.184+/-507.927 χ^2/NDF: 10.0/18

Left In: -154.416+/-362.769 χ^2/NDF:21.2/15

Left: -220.135+/-251.514 χ^2/NDF: 37.6/33

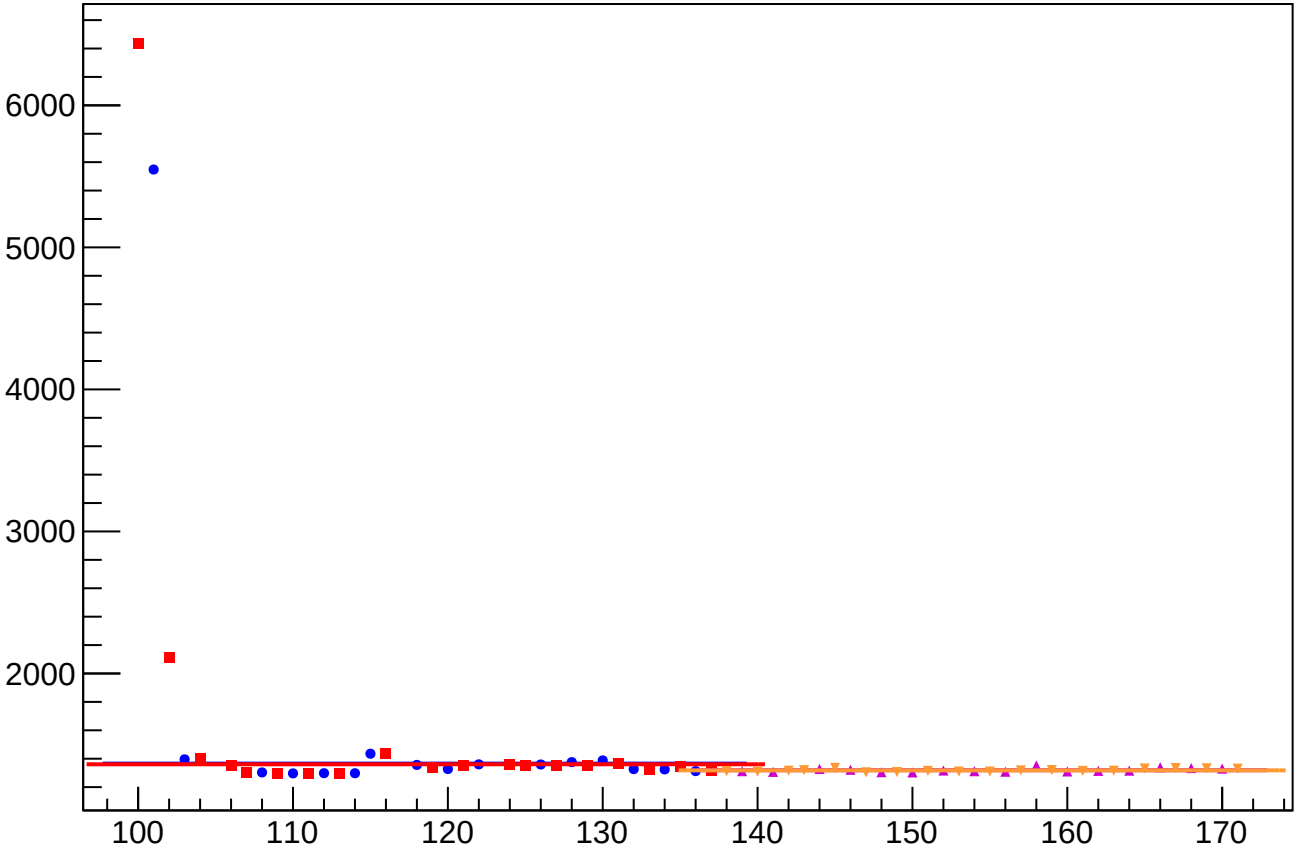
Right: 78.065+/-363.747 χ^2/NDF: 32.1/34

In: 23.257+/-297.739 χ^2/NDF:43.3/31

Out: -260.830+/-287.654 χ^2/NDF:26.3/36

All: -123.679+/-206.876 χ^2/NDF: 70.1/68

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: 1319.048+/-0.257 χ^2/NDF:2673.1/15

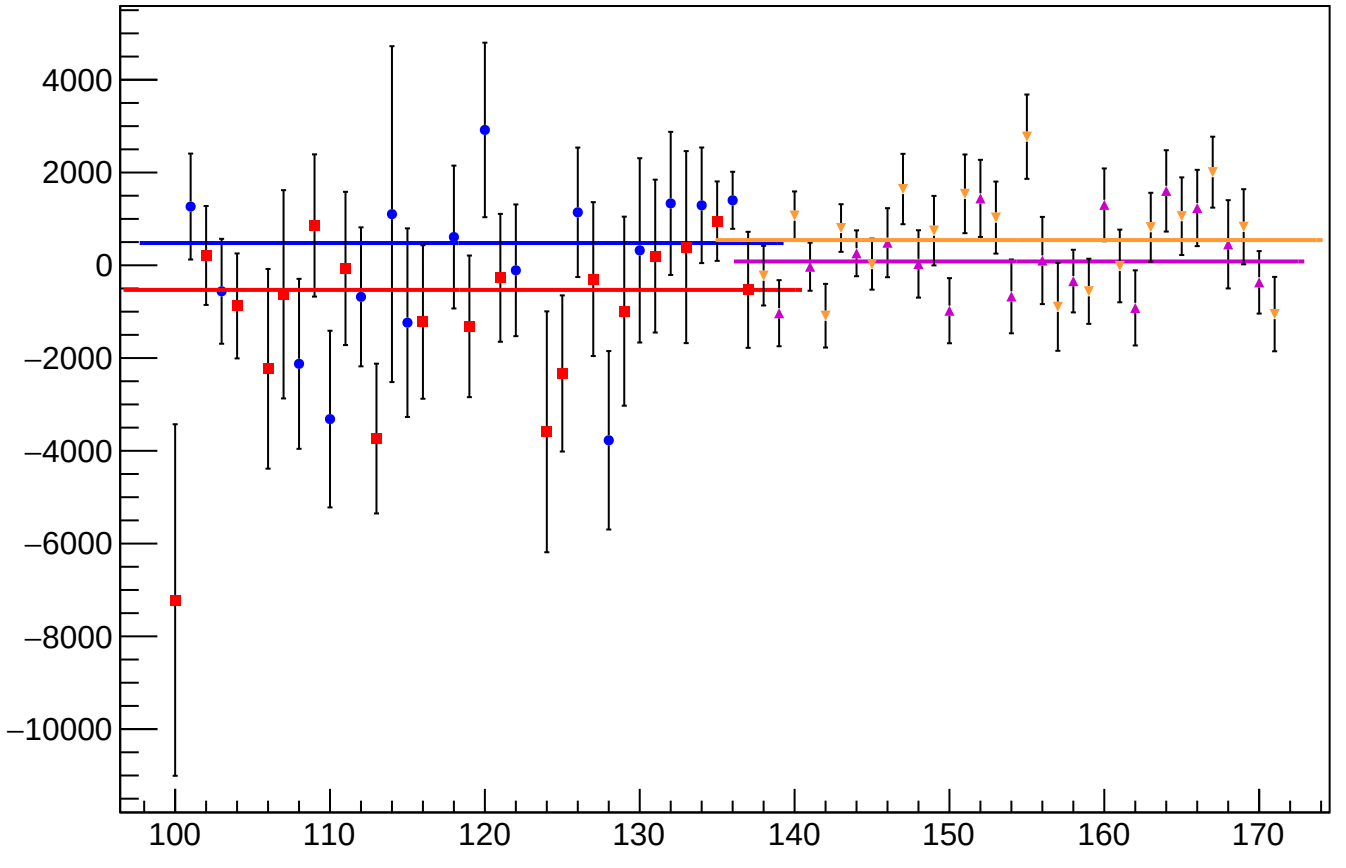
Left: 1318.486+/-0.178 χ^2/NDF: 4268.4/33

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1334.144+/-0.211 χ^2/NDF:772230.0/31

Out: 1331.695+/-0.203 χ^2/NDF:216549.4/36

All: 1332.878+/-0.146 χ^2/NDF: 988849.4/68



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: 82.721+/-179.317 χ^2/NDF:18.7/15

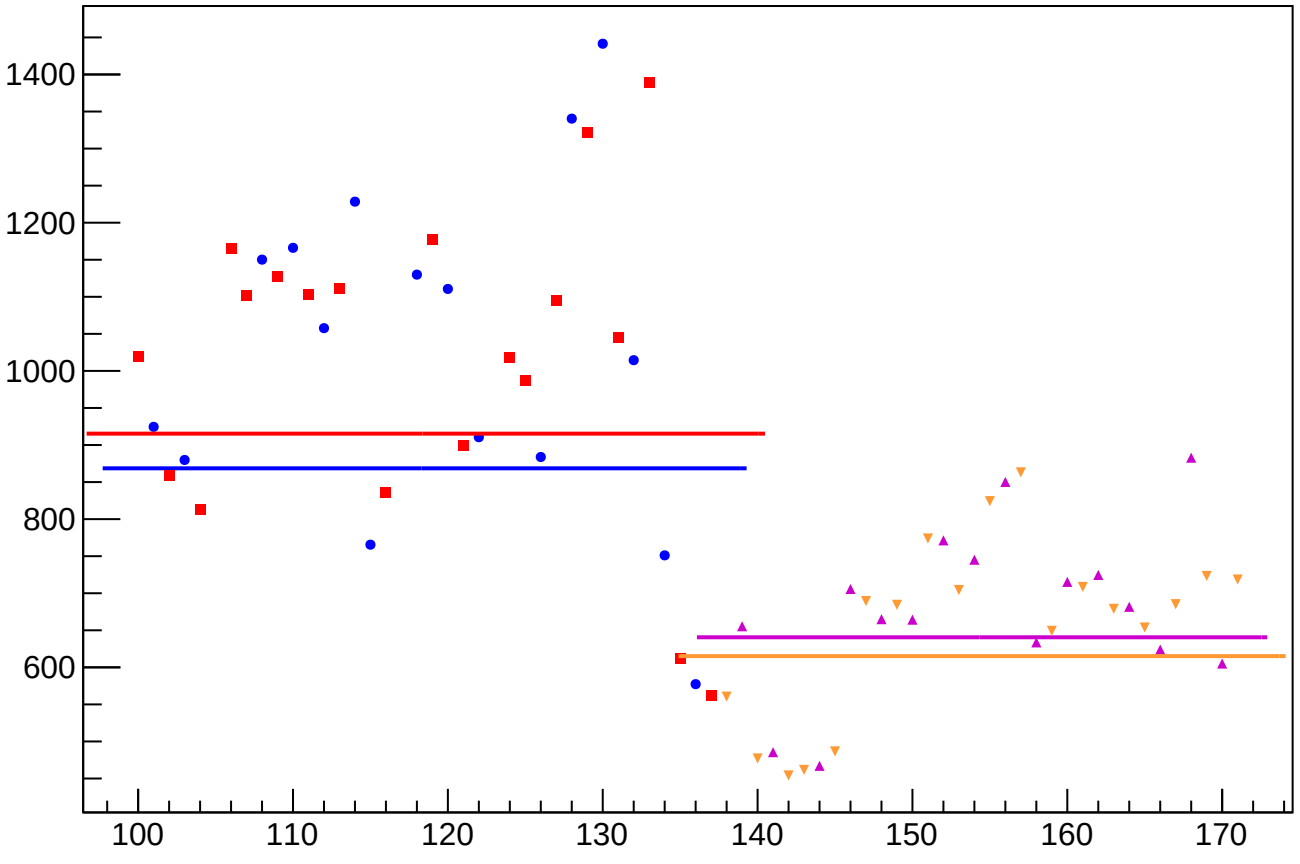
Left: 329.767+/-122.187 χ^2/NDF: 55.0/33

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 170.666+/-158.252 χ^2/NDF:38.4/31

Out: 341.100+/-150.366 χ^2/NDF:56.2/36

All: 260.236+/-109.006 χ^2/NDF: 95.2/68



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: 640.578+/-0.127 χ^2/NDF:809682.9/15

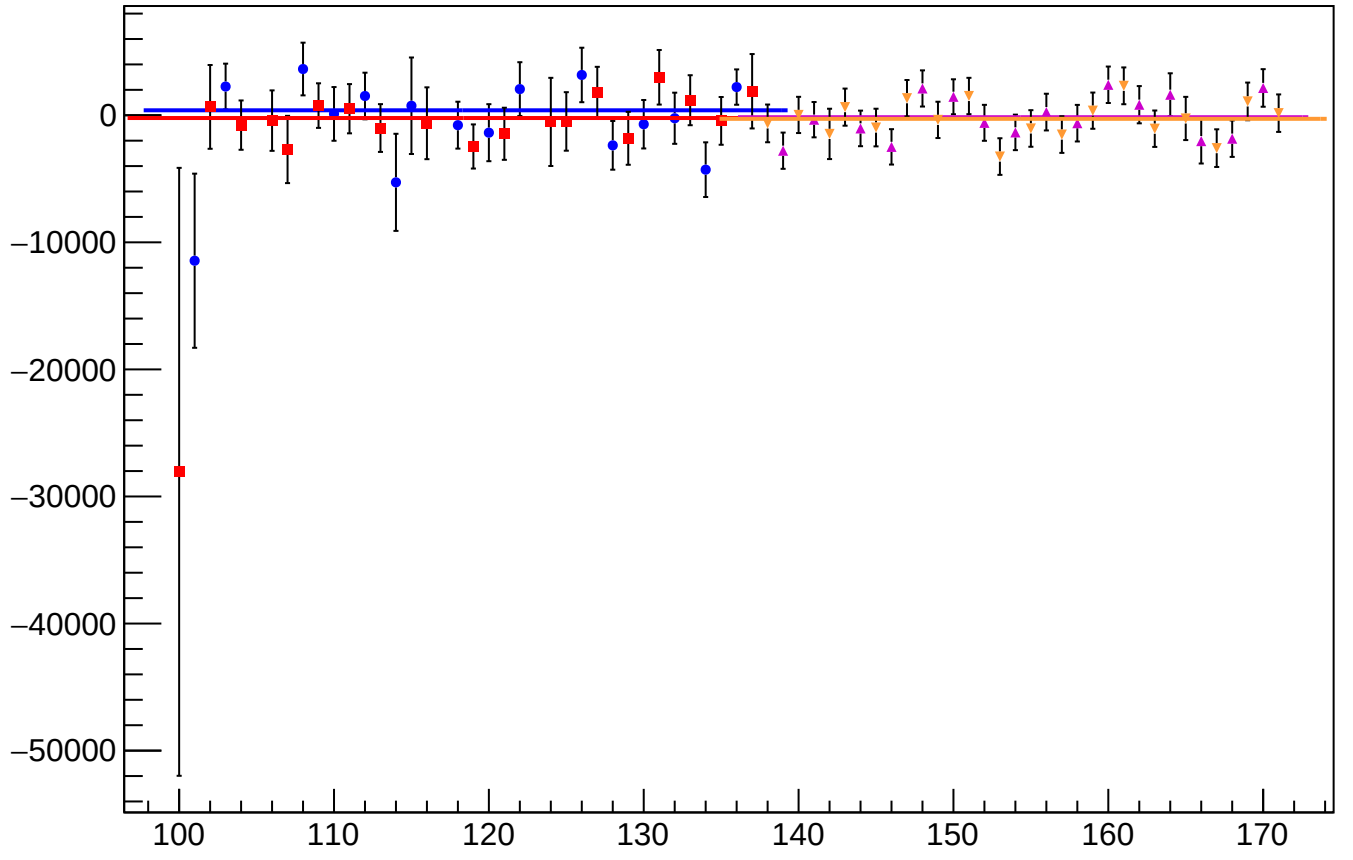
Left: 626.955+/-0.086 χ^2/NDF: 1896314.5/33

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 690.998+/-0.112 χ^2/NDF:2546026.8/31

Out: 671.812+/-0.106 χ^2/NDF:3144742.3/36

All: 680.915+/-0.077 χ^2/NDF: 5706217.9/68



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: -154.415+/-362.769 χ^2/NDF:21.2/15

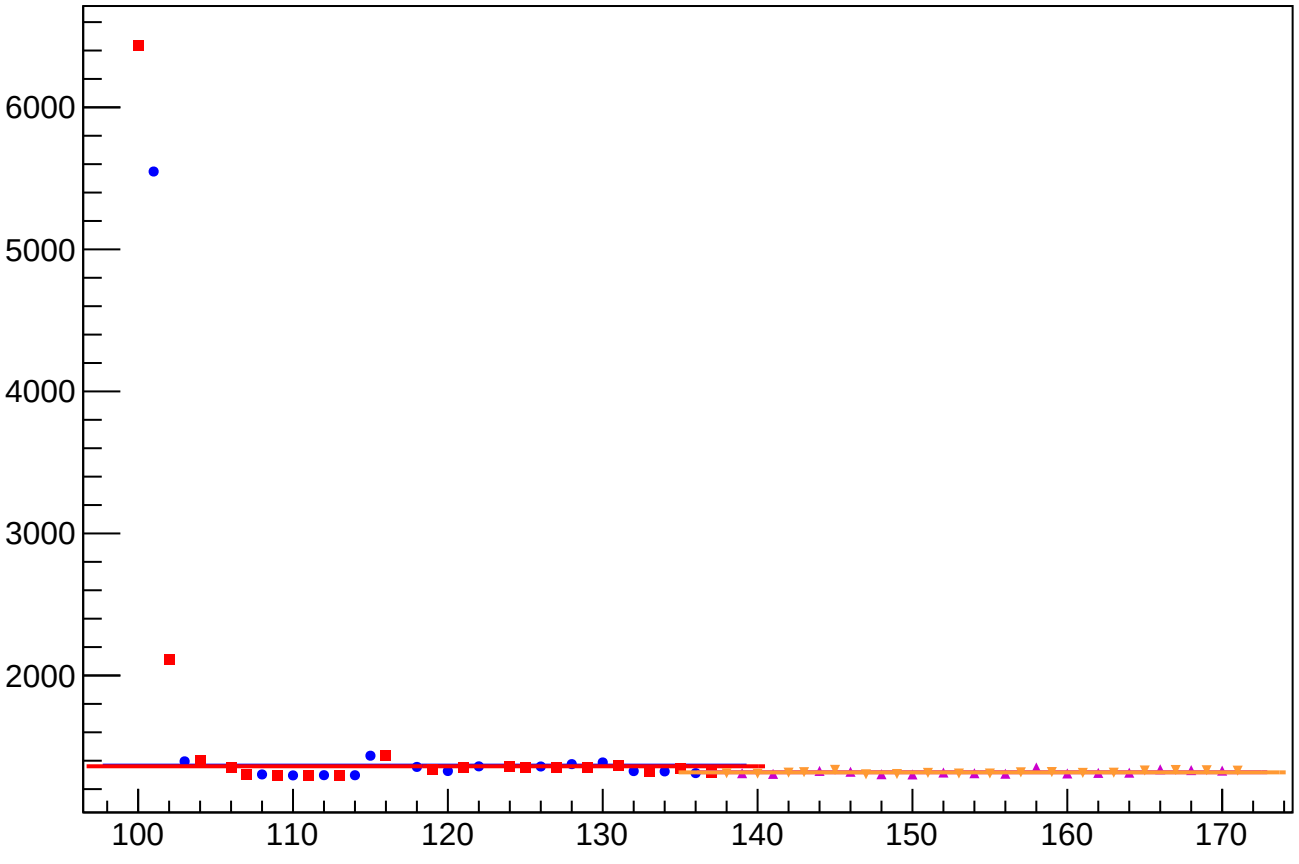
Left: -220.135+/-251.514 χ^2/NDF: 37.6/33

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 23.257+/-297.739 χ^2/NDF:43.3/31

Out: -260.830+/-287.654 χ^2/NDF:26.3/36

All: -123.679+/-206.876 χ^2/NDF: 70.1/68



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: 1319.048+/-0.257 χ^2/NDF:2673.1/15

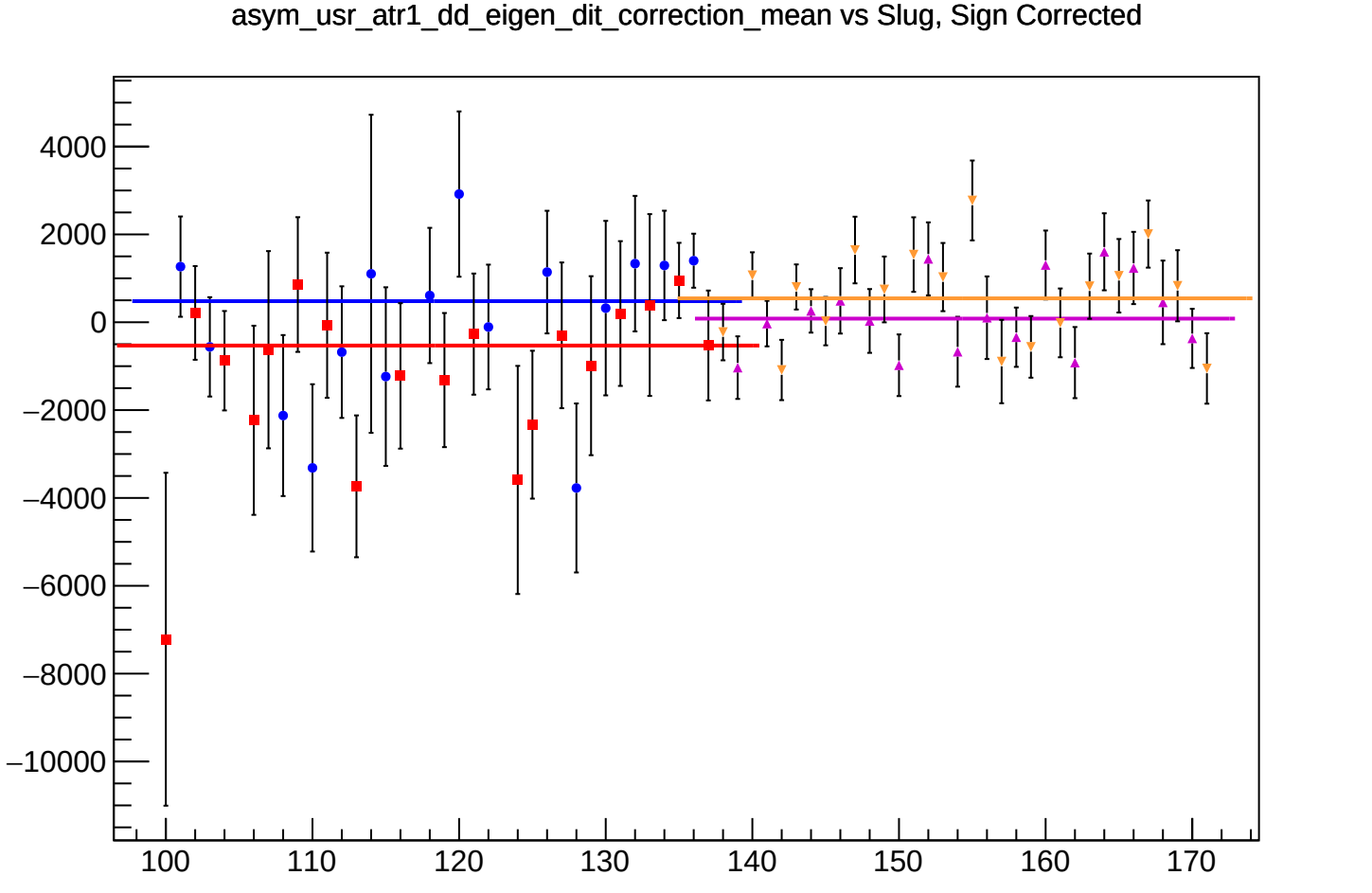
Left: 1318.486+/-0.178 χ^2/NDF: 4268.4/33

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

In: 1334.144+/-0.211 χ^2/NDF:772229.9/31

Out: 1331.695+/-0.203 χ^2/NDF:216549.3/36

All: 1332.878+/-0.146 χ^2/NDF: 988849.3/68



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: 82.722+/-179.317 χ^2/NDF:18.7/15

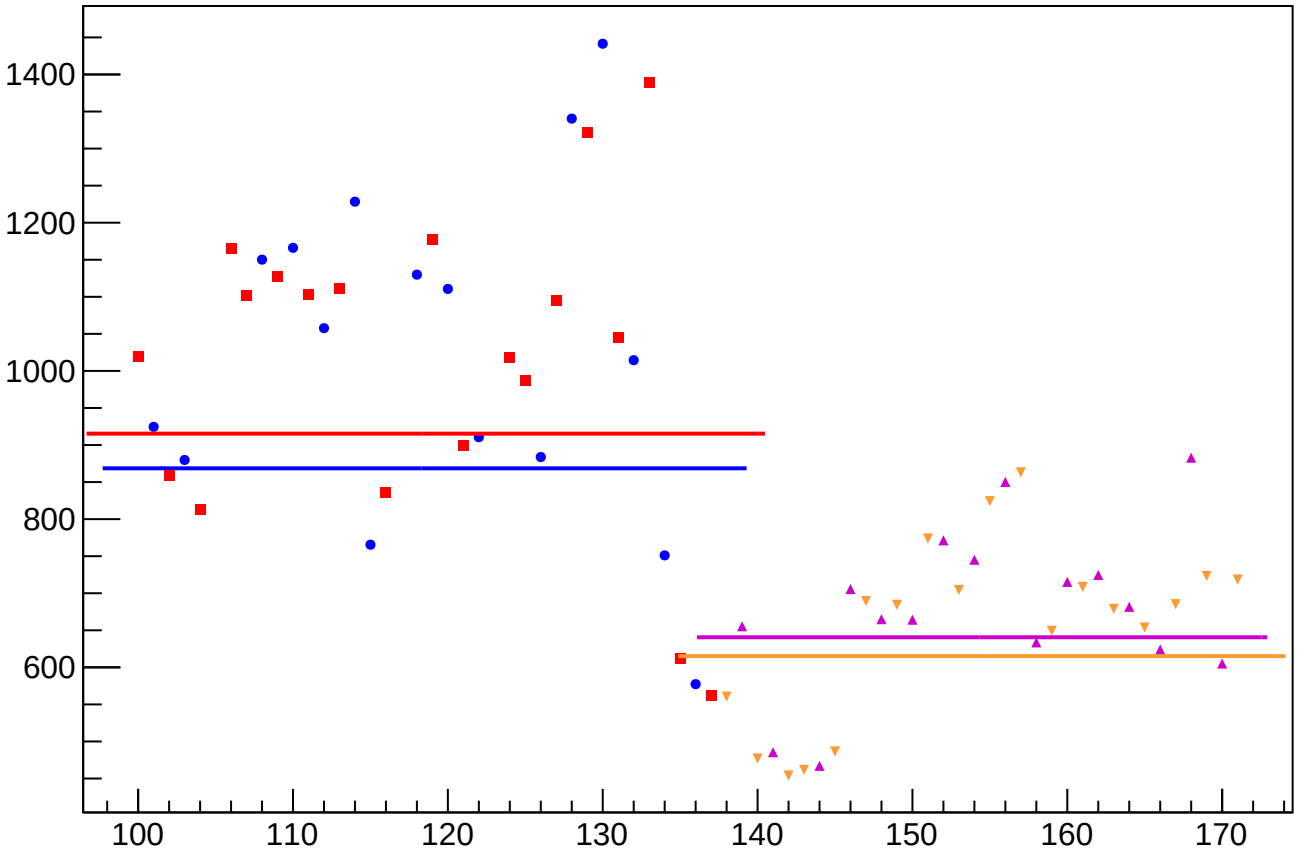
Left: 329.767+/-122.187 χ^2/NDF: 55.0/33

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 170.667+/-158.252 χ^2/NDF:38.4/31

Out: 341.100+/-150.366 χ^2/NDF:56.2/36

All: 260.236+/-109.006 χ^2/NDF: 95.2/68



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: 640.579+/-0.127 χ^2/NDF:809690.3/15

Left: 626.956+/-0.086 χ^2/NDF: 1896339.4/33

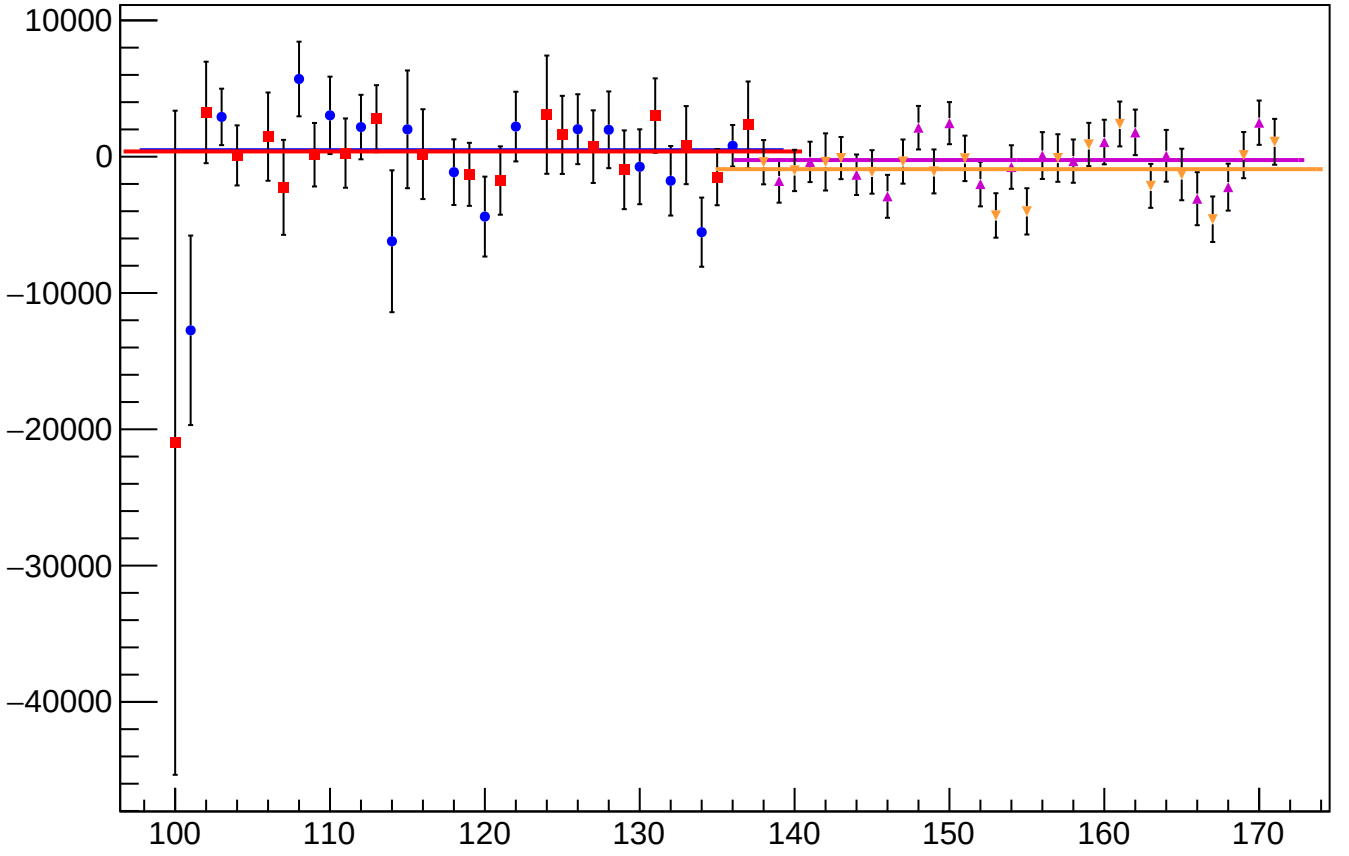
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 690.998+/-0.112 χ^2/NDF:2546014.0/31

Out: 671.812+/-0.106 χ^2/NDF:3144745.3/36

All: 680.915+/-0.077 χ^2/NDF: 5706208.8/68

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: -247.389+/-408.062 χ^2/NDF:19.4/15

Left: -595.117+/-282.555 χ^2/NDF: 42.1/33

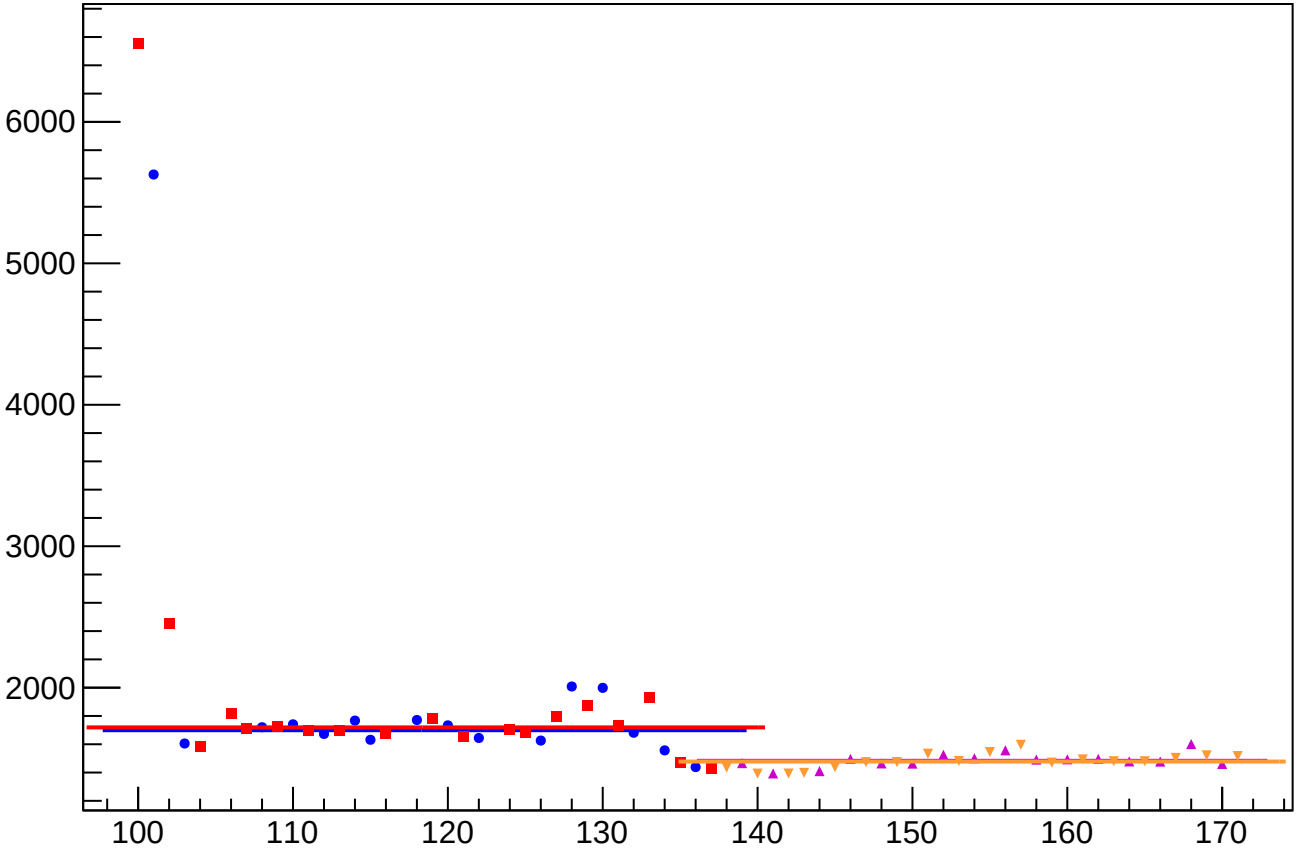
Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: -43.254+/-345.488 χ^2/NDF:42.9/31

Out: -562.788+/-334.333 χ^2/NDF:31.6/36

All: -311.544+/-240.256 χ^2/NDF: 75.7/68

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: 1482.857+/-0.289 χ^2/NDF:28509.0/15

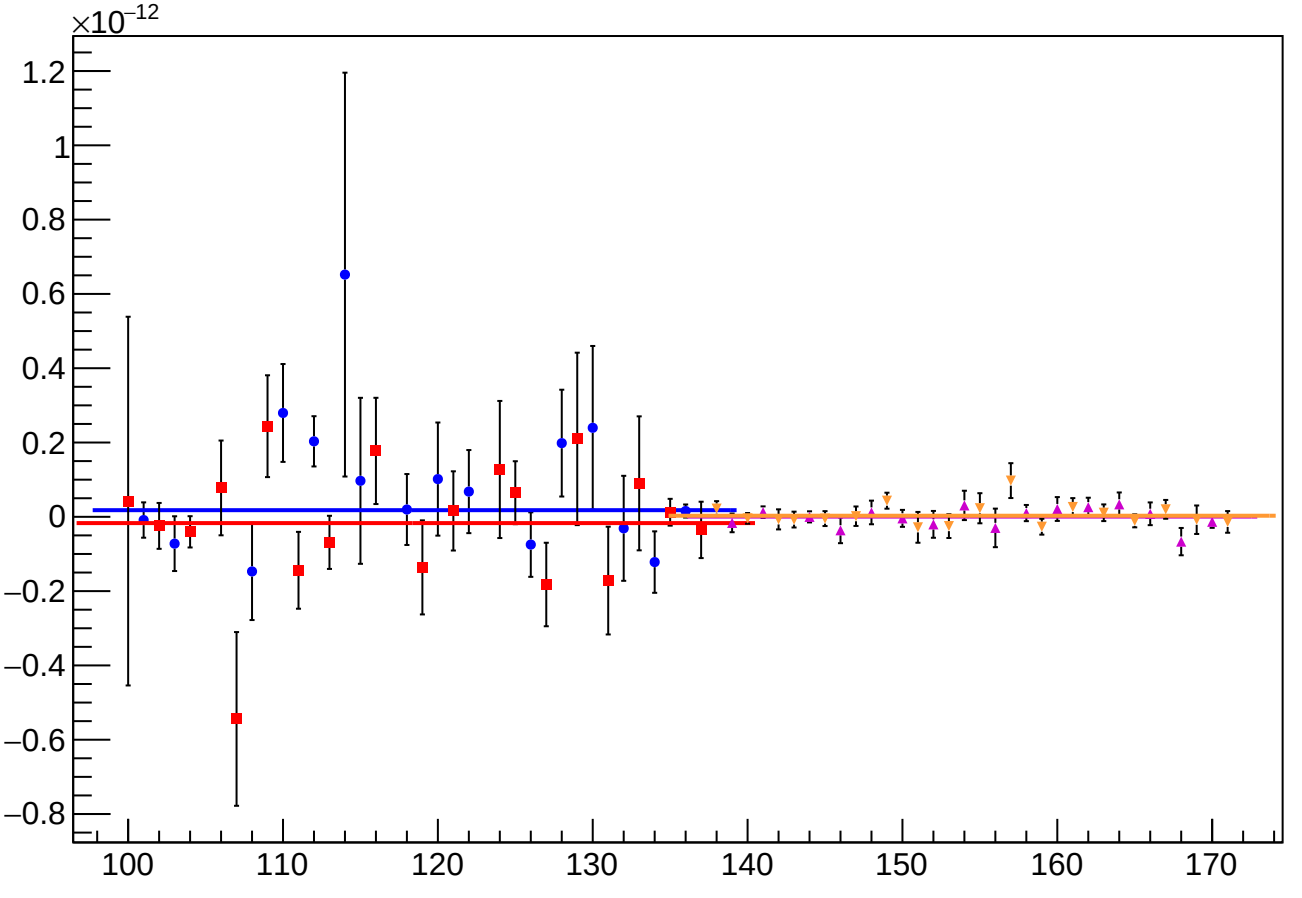
Left: 1480.198+/-0.200 χ^2/NDF: 63934.6/33

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1544.156+/-0.244 χ^2/NDF:949987.1/31

Out: 1543.205+/-0.236 χ^2/NDF:475021.4/36

All: 1543.665+/-0.170 χ^2/NDF: 1425016.3/68



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:10.4/15

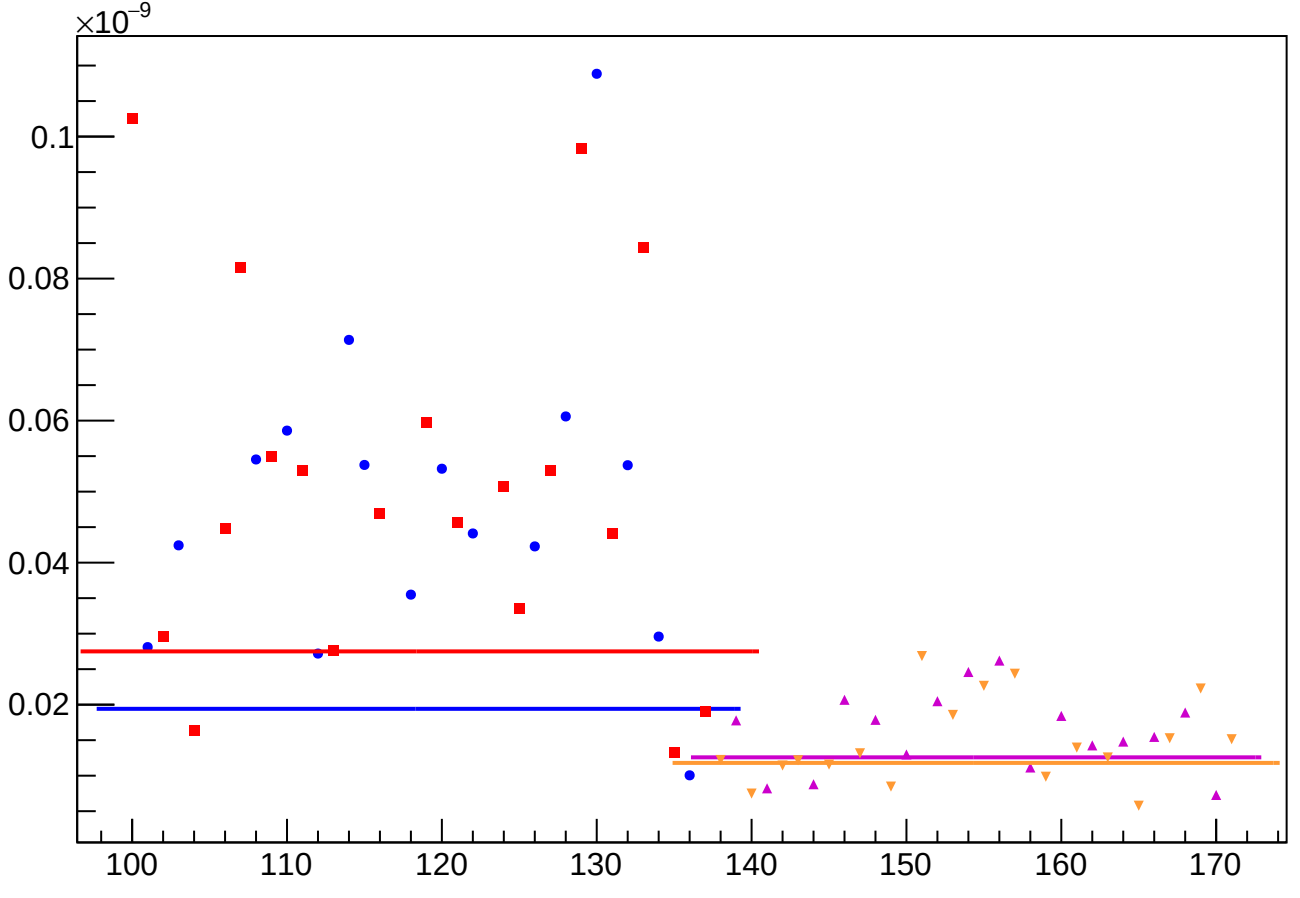
Left: 0.000+/-0.000 χ^2/NDF: 25.8/33

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:35.2/31

Out: 0.000+/-0.000 χ^2/NDF:37.7/36

All: 0.000+/-0.000 χ^2/NDF: 72.9/68



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:1337132.1/15

Left: 0.000+/-0.000 χ^2/NDF: 2715753.0/33

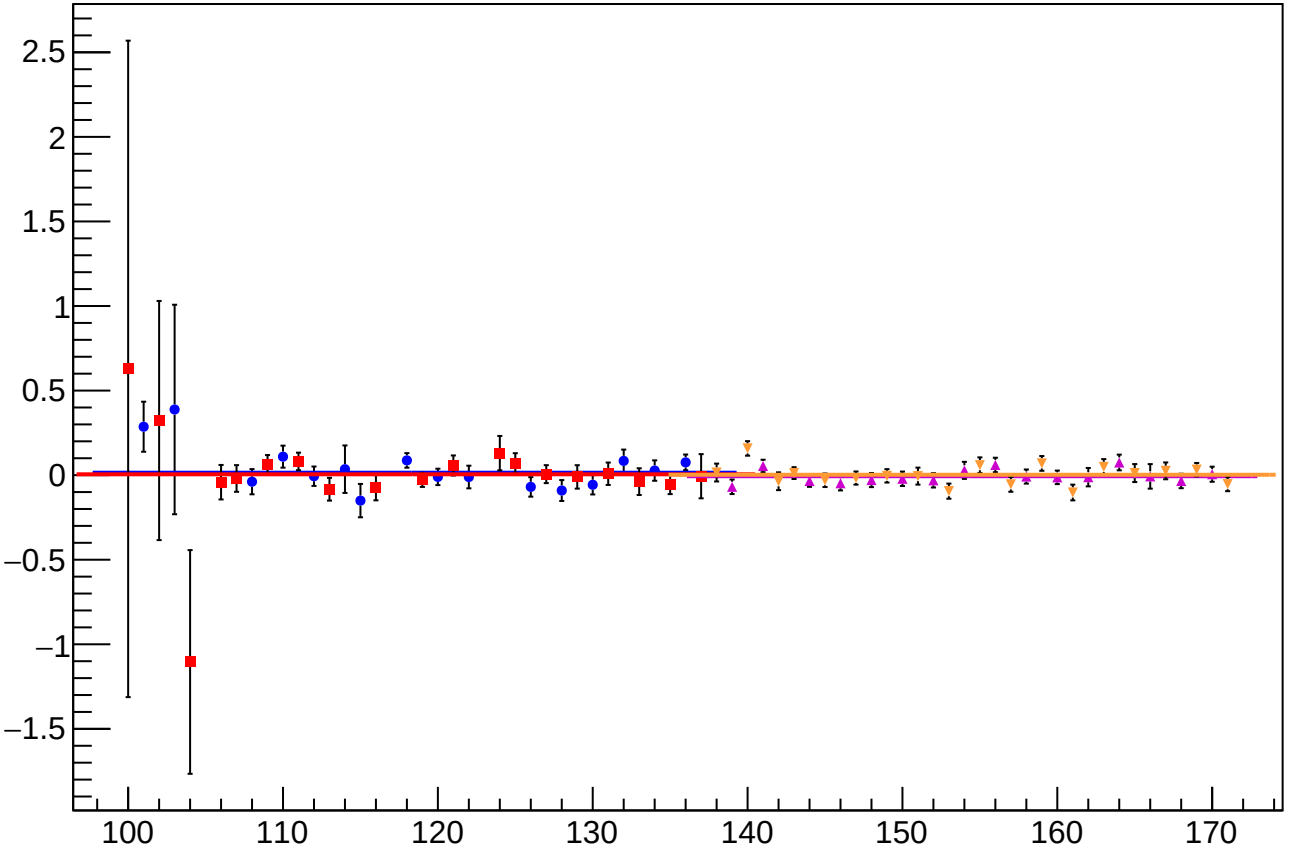
Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3994542.7/31

Out: 0.000+/-0.000 χ^2/NDF:4255806.7/36

All: 0.000+/-0.000 χ^2/NDF: 8262161.1/68

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: -0.006+/-0.011 χ^2/NDF:13.7/15

Left: -0.002+/-0.007 χ^2/NDF: 47.7/33

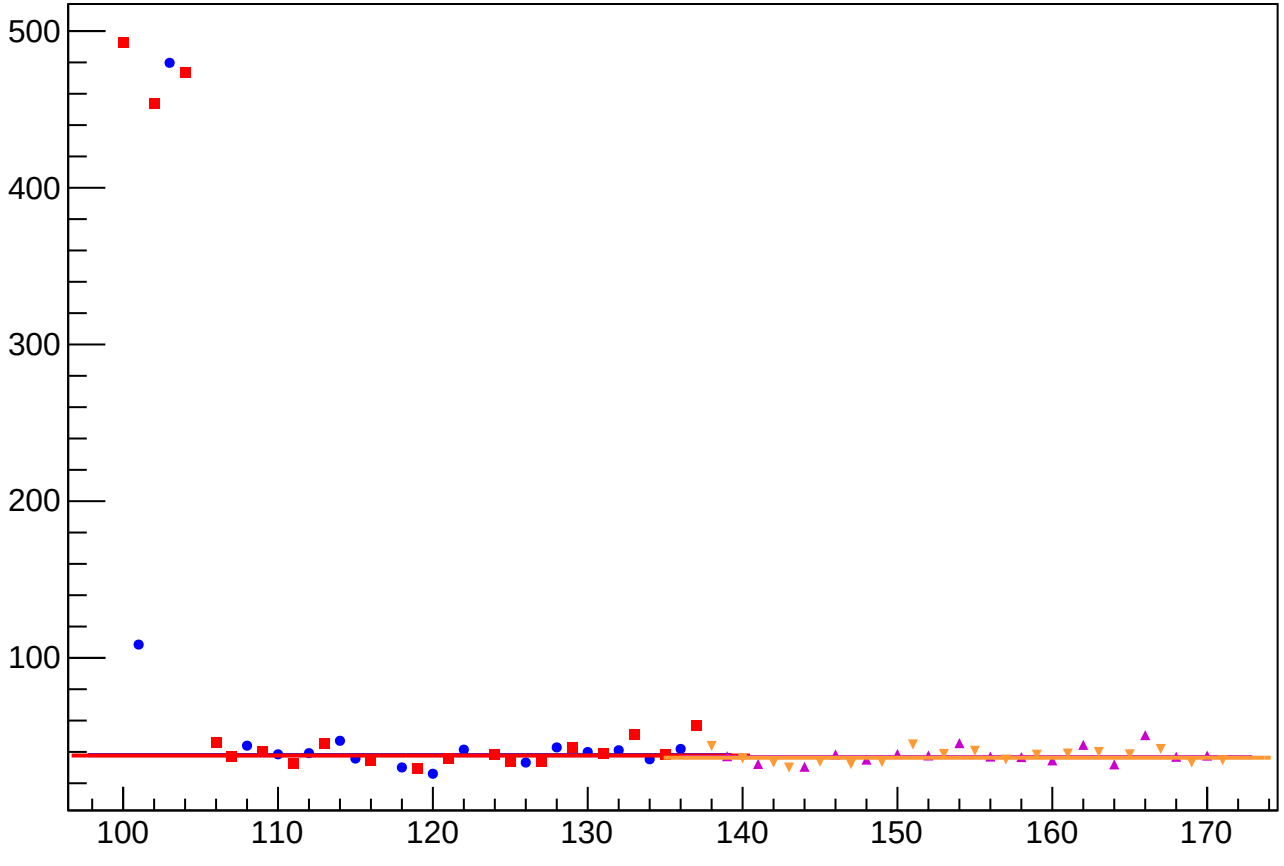
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/31

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.002+/-0.006 χ^2/NDF: 85.5/68

asym_usr_atr1_dd_dit_vs_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: 36.670+/-0.008 χ^2/NDF:309208.4/15

Left: 36.479+/-0.005 χ^2/NDF: 611087.2/33

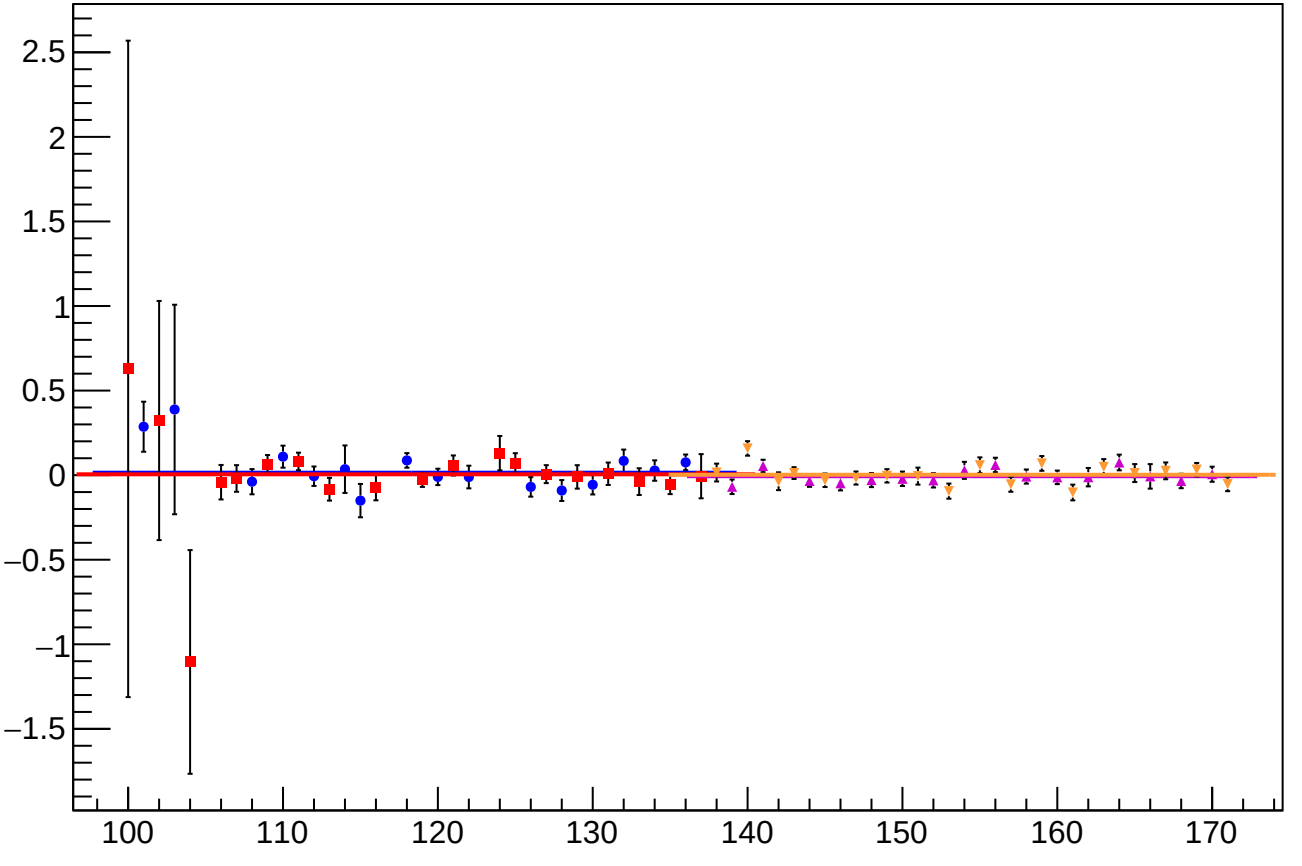
Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.072+/-0.006 χ^2/NDF:2057599.5/31

Out: 36.714+/-0.006 χ^2/NDF:2256178.5/36

All: 36.888+/-0.004 χ^2/NDF: 4315424.5/68

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: -0.006+/-0.011 χ^2/NDF:13.7/15

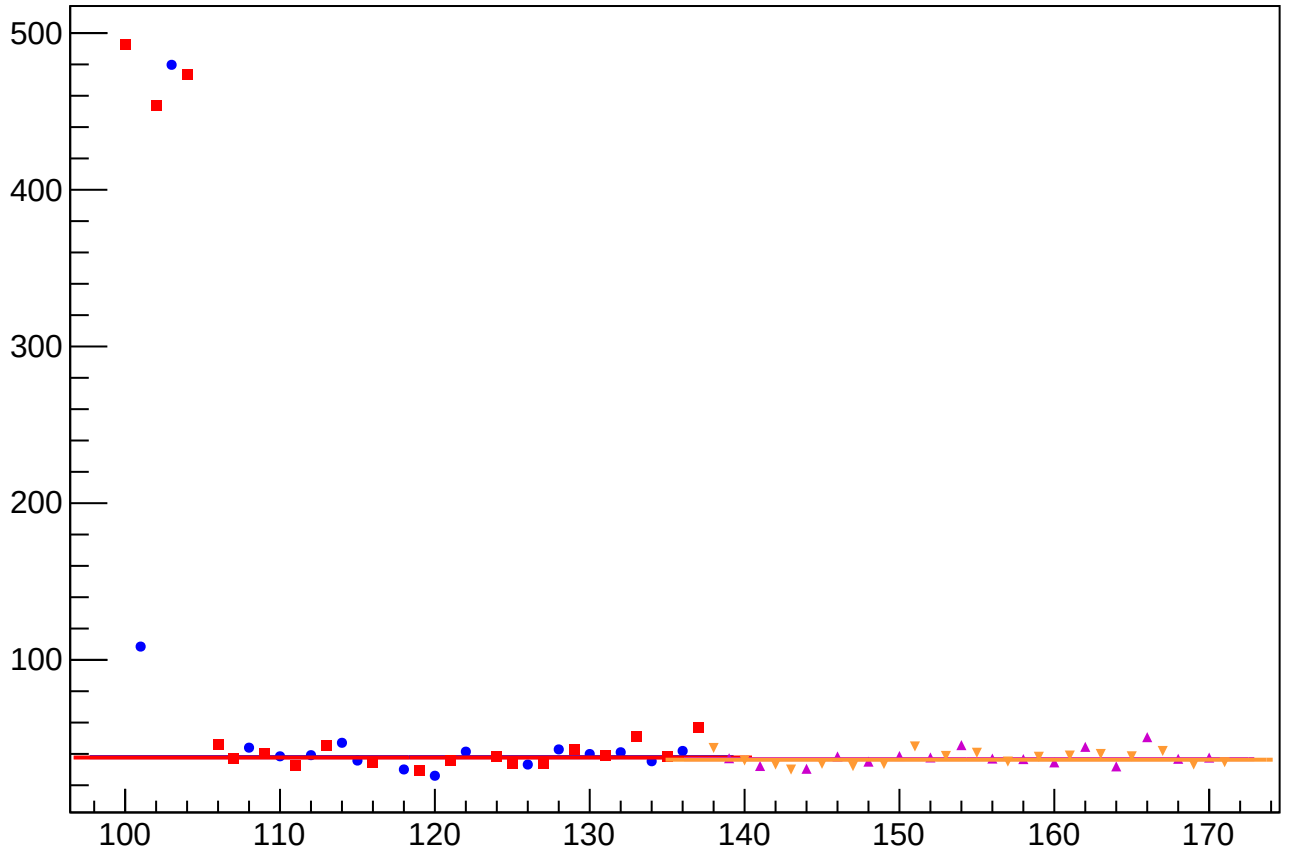
Left: -0.002+/-0.007 χ^2/NDF: 47.7/33

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/31

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.002+/-0.006 χ^2/NDF: 85.5/68



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: 36.670+/-0.008 χ^2/NDF:309208.4/15

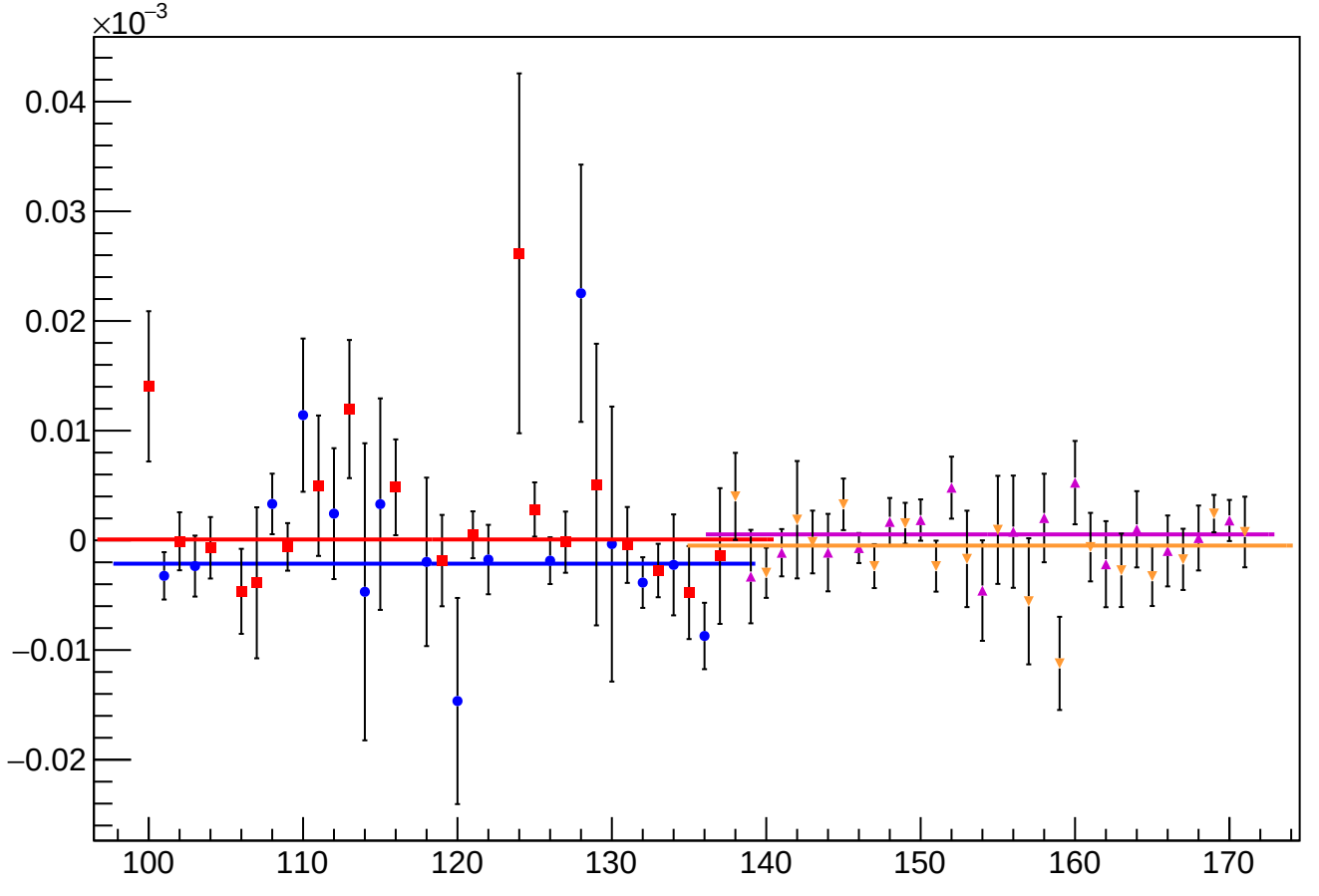
Left: 36.479+/-0.005 χ^2/NDF: 611087.2/33

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.072+/-0.006 χ^2/NDF:2057599.5/31

Out: 36.714+/-0.006 χ^2/NDF:2256178.5/36

All: 36.888+/-0.004 χ^2/NDF: 4315424.5/68



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:9.6/15

Left: 0.000+/-0.000 χ^2/NDF: 30.9/33

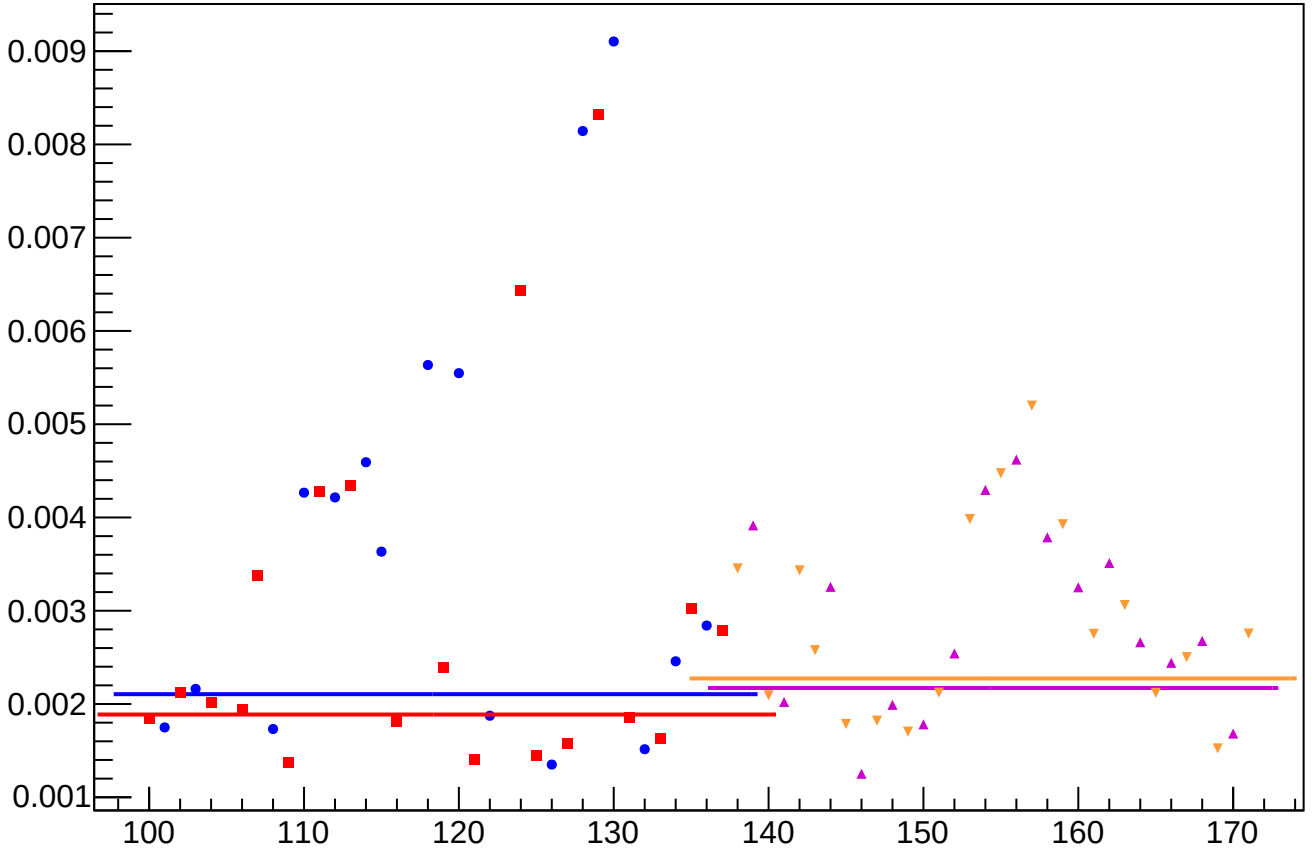
Right: -0.000+/-0.000 χ^2/NDF: 42.2/34

In: -0.000+/-0.000 χ^2/NDF:35.8/31

Out: -0.000+/-0.000 χ^2/NDF:38.7/36

All: -0.000+/-0.000 χ^2/NDF: 74.6/68

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2819610.2/17

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3420307.3/15

Left: 0.002+/-0.000 χ^2/NDF: 6264851.7/33

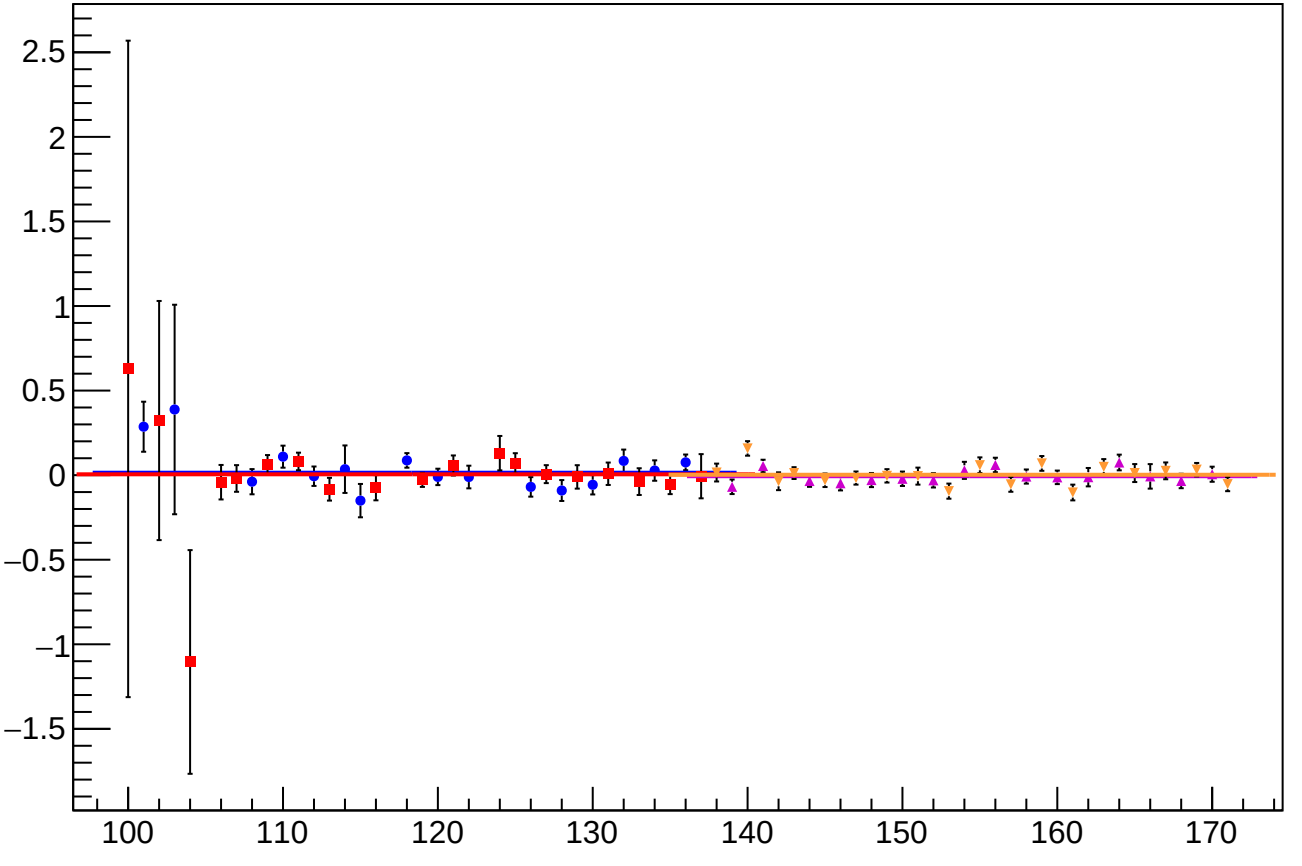
Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6445064.6/31

Out: 0.002+/-0.000 χ^2/NDF:4999172.8/36

All: 0.002+/-0.000 χ^2/NDF: 11447689.9/68

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: -0.006+/-0.011 χ^2/NDF:13.7/15

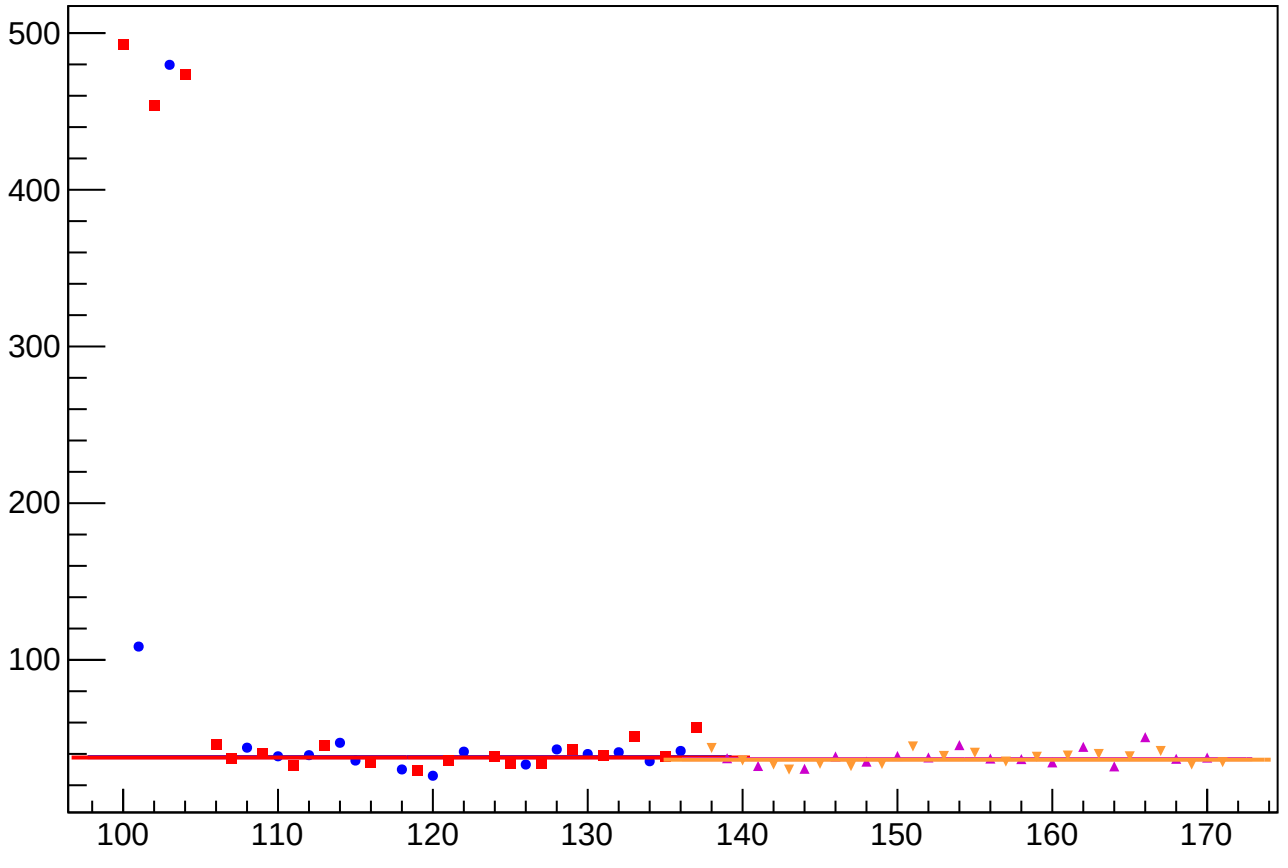
Left: -0.002+/-0.007 χ^2/NDF: 47.7/33

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/31

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.002+/-0.006 χ^2/NDF: 85.5/68



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: 36.670+/-0.008 χ^2/NDF:309244.4/15

Left: 36.479+/-0.005 χ^2/NDF: 611177.4/33

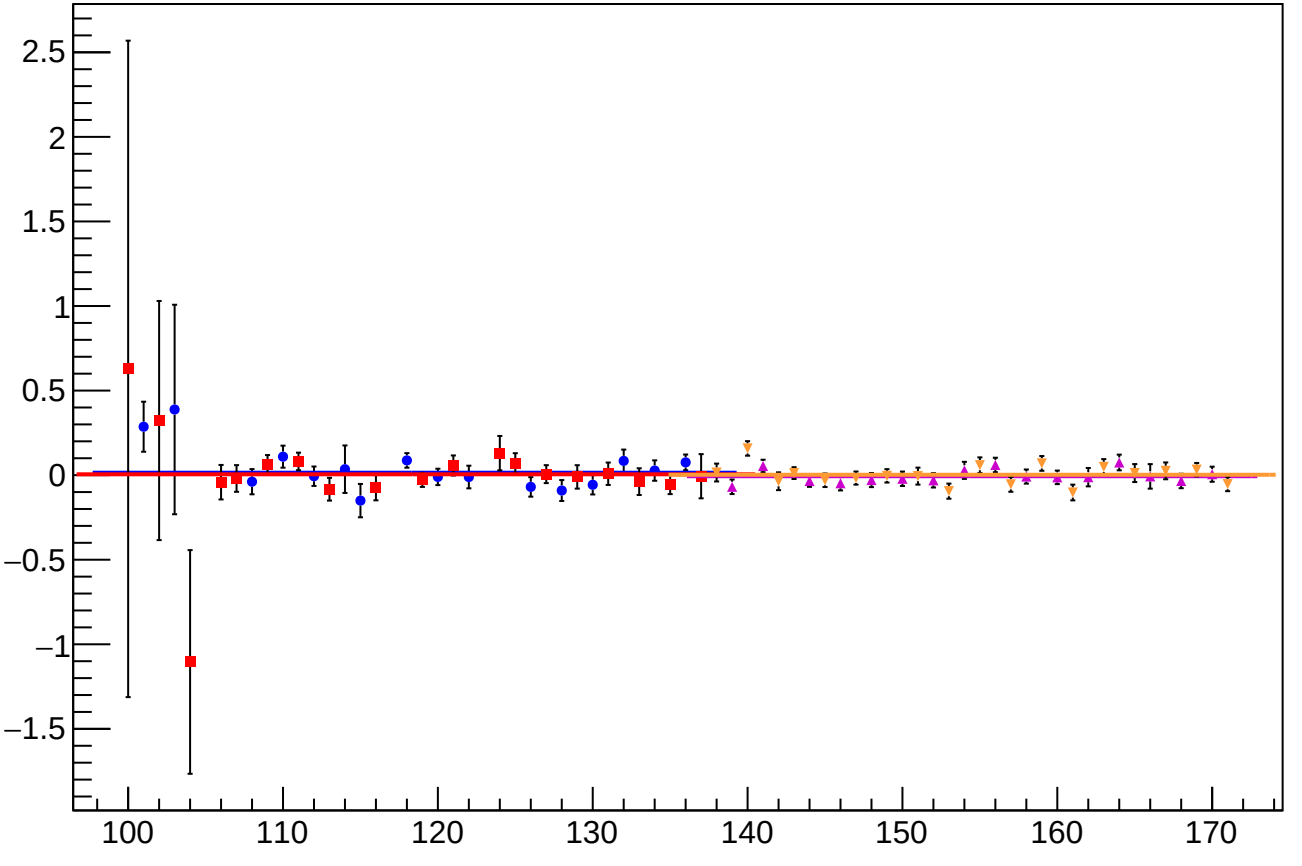
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.072+/-0.006 χ^2/NDF:2057645.2/31

Out: 36.713+/-0.006 χ^2/NDF:2256295.8/36

All: 36.887+/-0.004 χ^2/NDF: 4315588.1/68

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: -0.006+/-0.011 χ^2/NDF:13.7/15

Left: -0.002+/-0.007 χ^2/NDF: 47.7/33

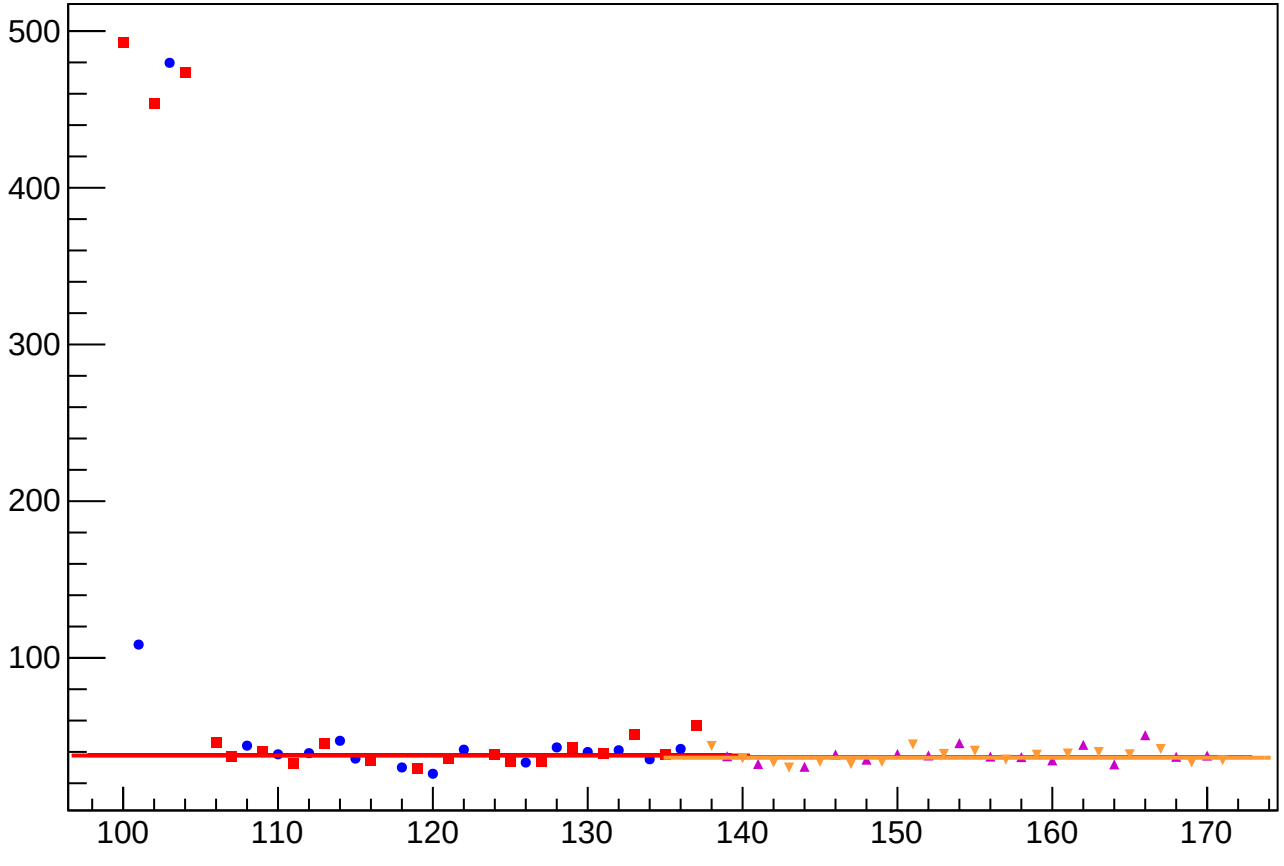
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: 0.000+/-0.009 χ^2/NDF:36.8/31

Out: 0.003+/-0.009 χ^2/NDF:48.6/36

All: 0.002+/-0.006 χ^2/NDF: 85.5/68

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: 36.670+/-0.008 χ^2/NDF:309244.4/15

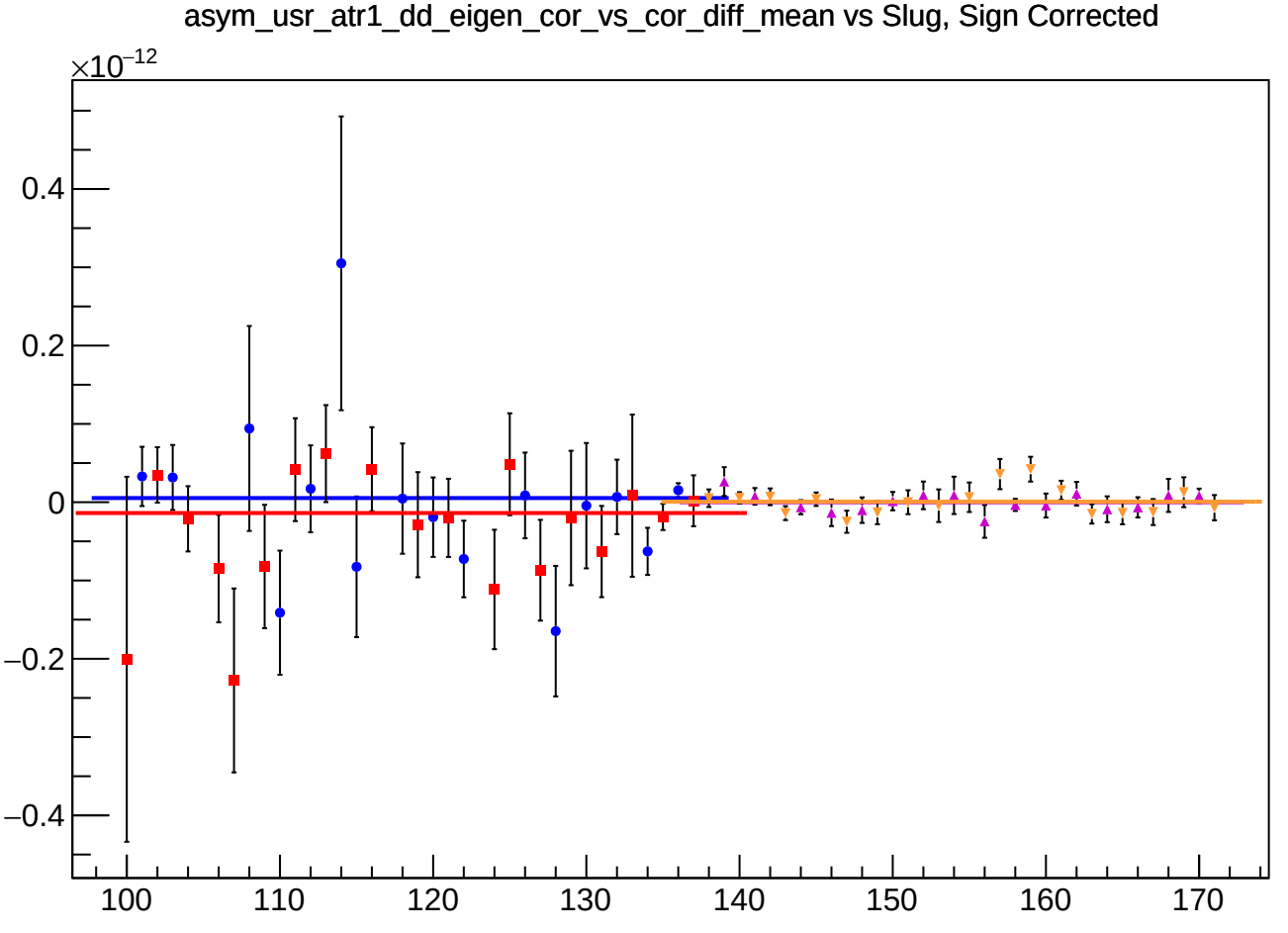
Left: 36.479+/-0.005 χ^2/NDF: 611177.4/33

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.072+/-0.006 χ^2/NDF:2057645.2/31

Out: 36.713+/-0.006 χ^2/NDF:2256295.8/36

All: 36.887+/-0.004 χ^2/NDF: 4315588.1/68



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:8.1/15

Left: 0.000+/-0.000 χ^2/NDF: 31.6/33

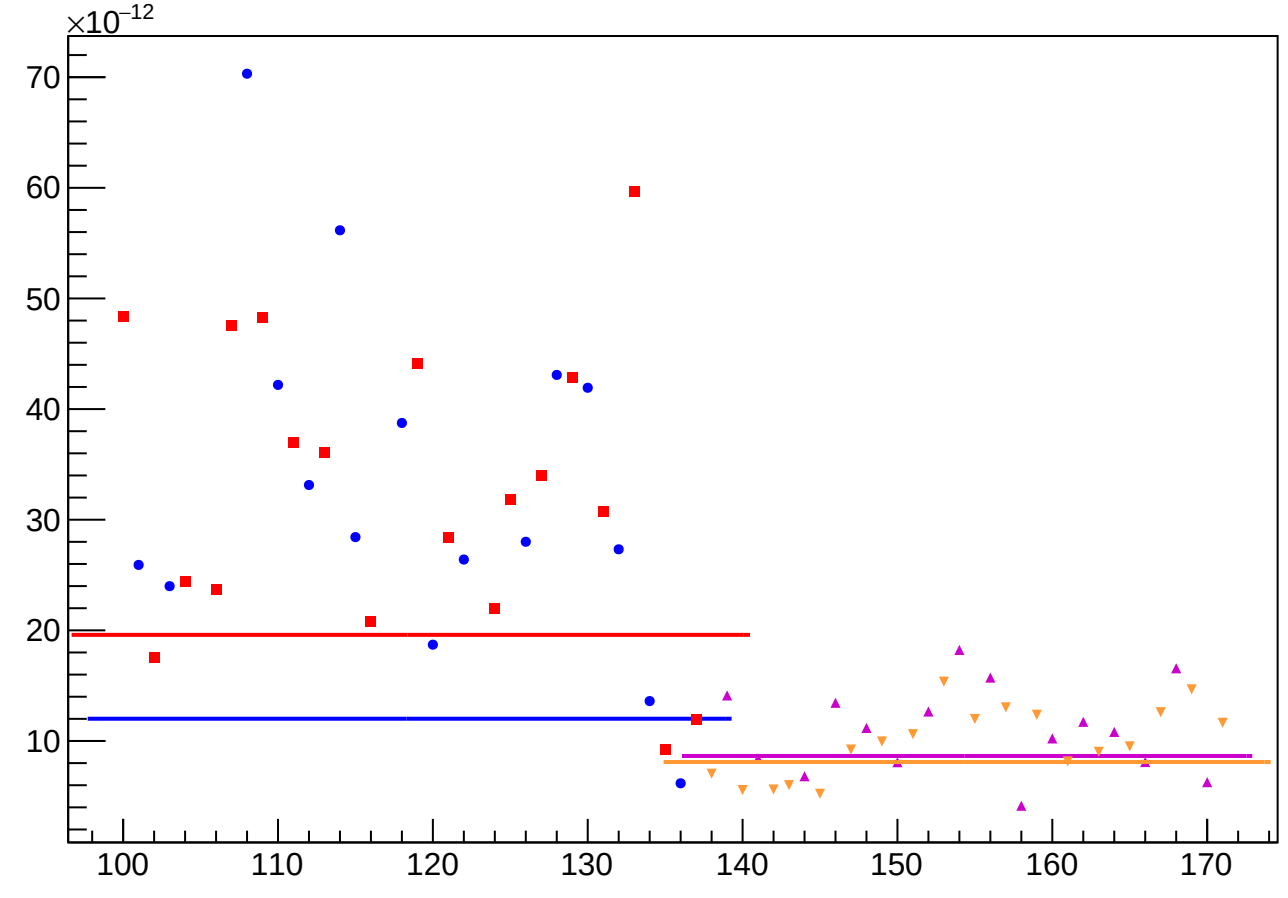
Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:30.2/31

Out: -0.000+/-0.000 χ^2/NDF:41.2/36

All: 0.000+/-0.000 χ^2/NDF: 71.5/68

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1917092.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2359756.6/15

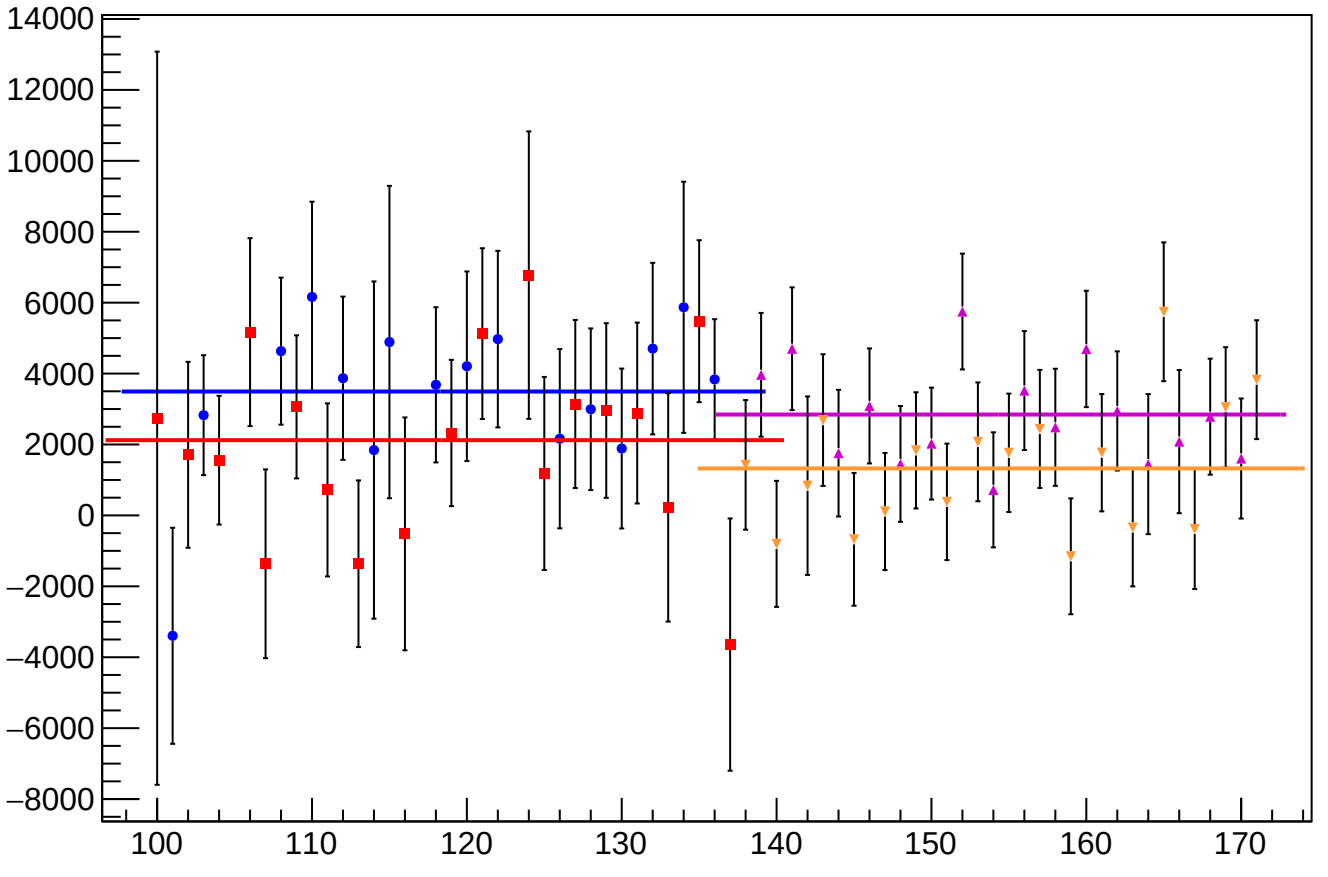
Left: 0.000+/-0.000 χ^2/NDF: 4307739.6/33

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6563800.7/31

Out: 0.000+/-0.000 χ^2/NDF:6734691.8/36

All: 0.000+/-0.000 χ^2/NDF: 13305501.4/68



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: 2844.828+/-424.136 χ^2/NDF:10.5/15

Left: 2059.234+/-294.762 χ^2/NDF: 34.7/33

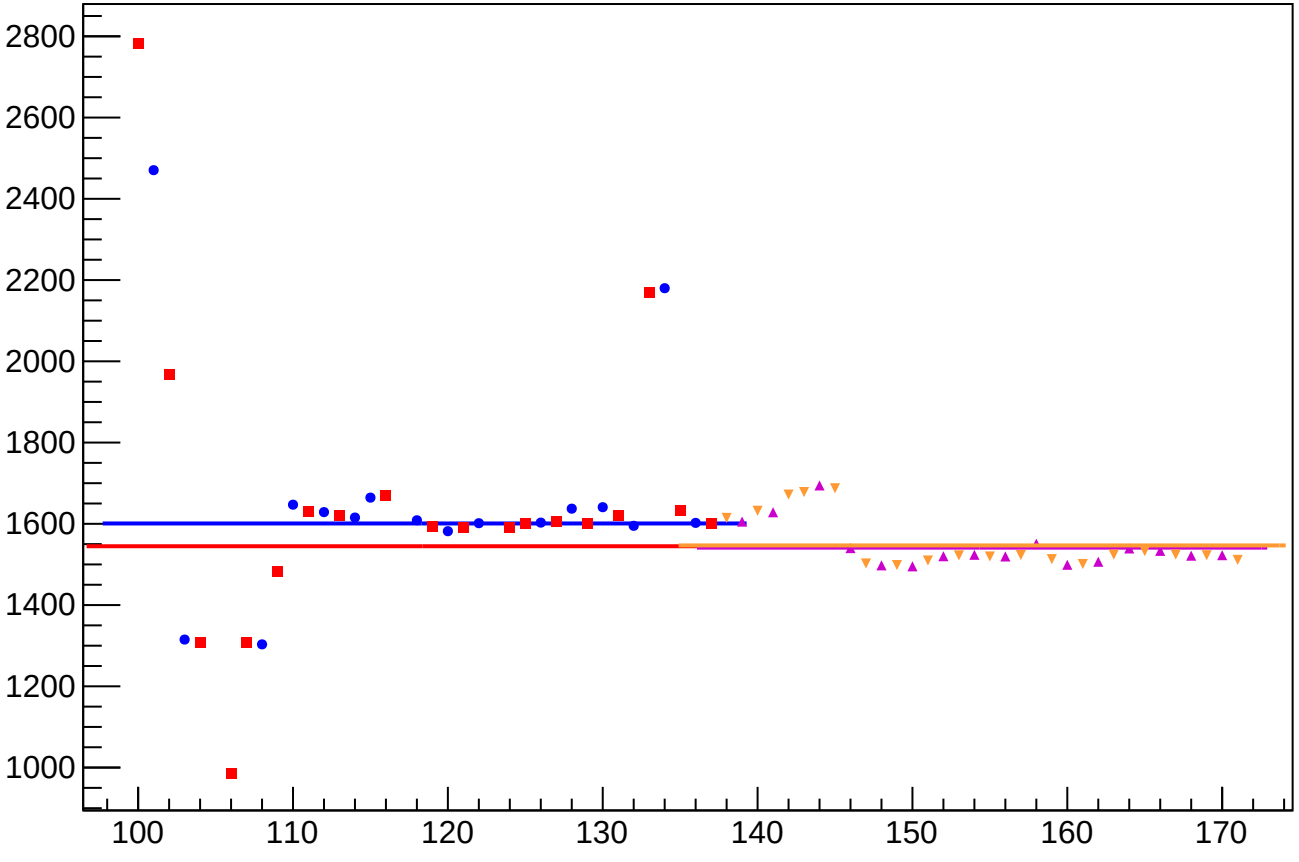
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3060.689+/-346.568 χ^2/NDF:20.1/31

Out: 1586.049+/-336.210 χ^2/NDF:33.9/36

All: 2301.004+/-241.315 χ^2/NDF: 63.3/68

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: 1541.368+/-0.300 χ^2/NDF:29291.4/15

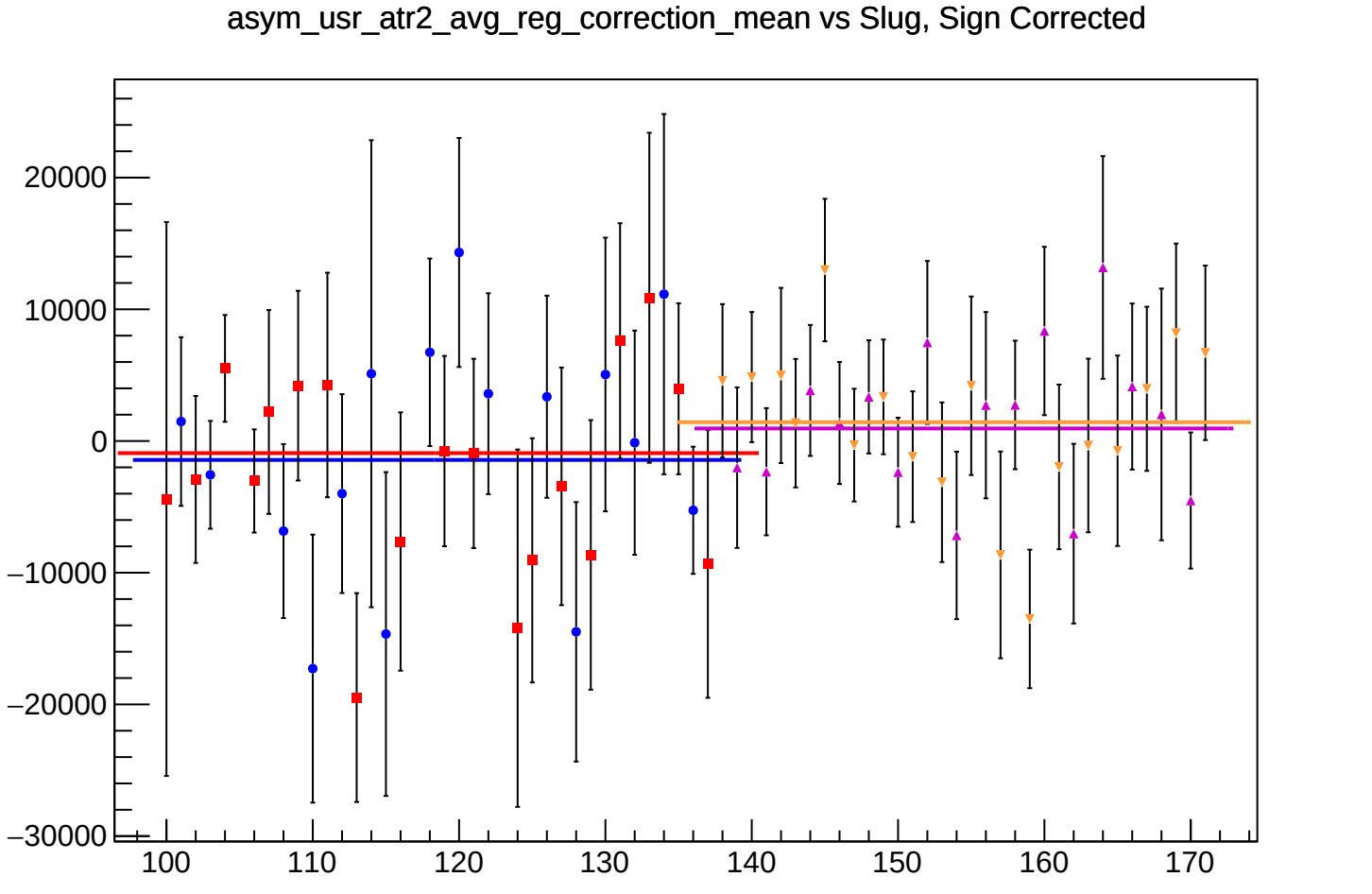
Left: 1544.172+/-0.208 χ^2/NDF: 73134.6/33

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1561.145+/-0.245 χ^2/NDF:359790.8/31

Out: 1546.127+/-0.236 χ^2/NDF:419817.2/36

All: 1553.367+/-0.170 χ^2/NDF: 781553.1/68



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: 951.327+/-1392.388 χ^2/NDF:11.1/15

Left: 1197.944+/-965.720 χ^2/NDF: 30.2/33

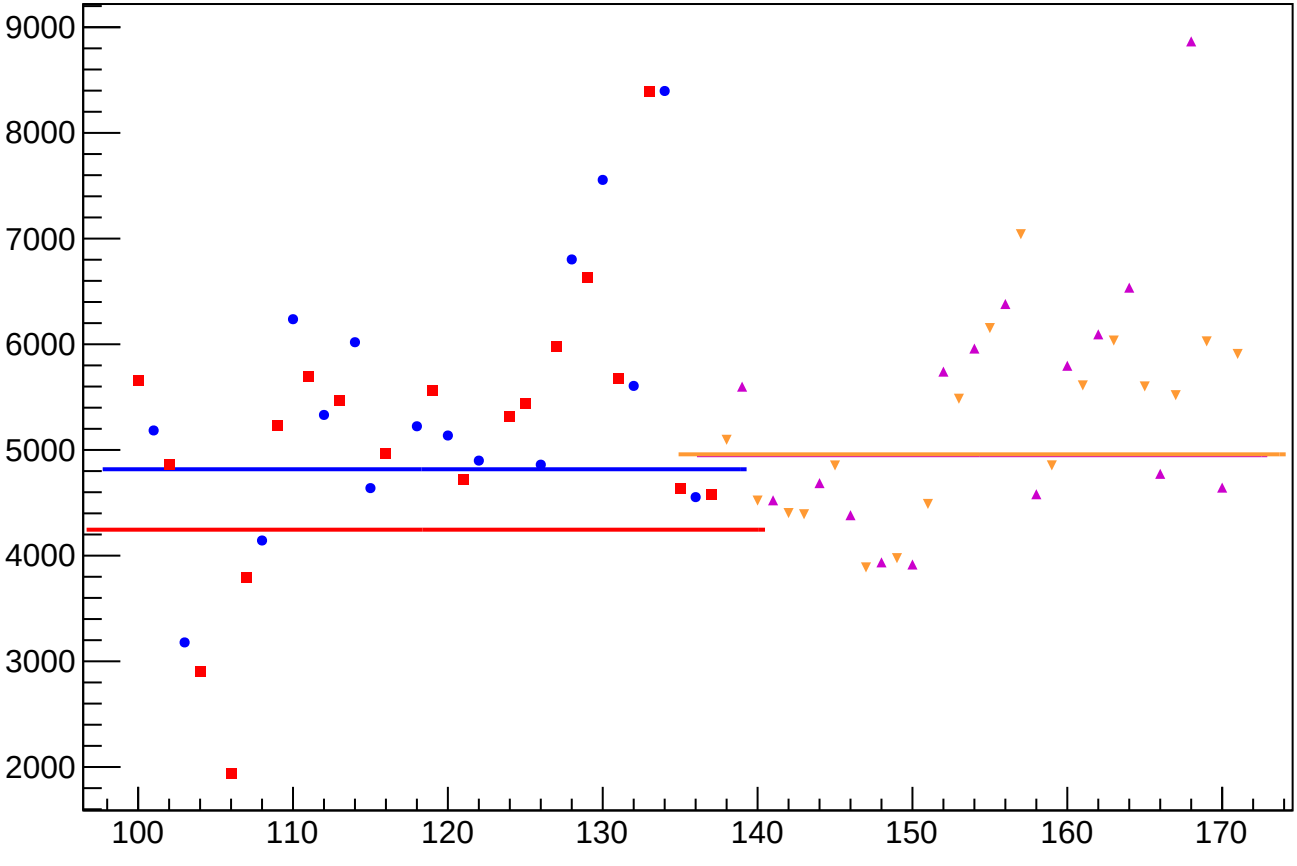
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: 86.591+/-1112.125 χ^2/NDF:26.1/31

Out: 507.124+/-1045.229 χ^2/NDF:35.5/36

All: 309.885+/-761.640 χ^2/NDF: 61.6/68

asym_usr_atr2_avg_reg_correction_rms vs Slug, Sign Corrected



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: 4950.276+/-0.985 χ^2/NDF:992526.3/15

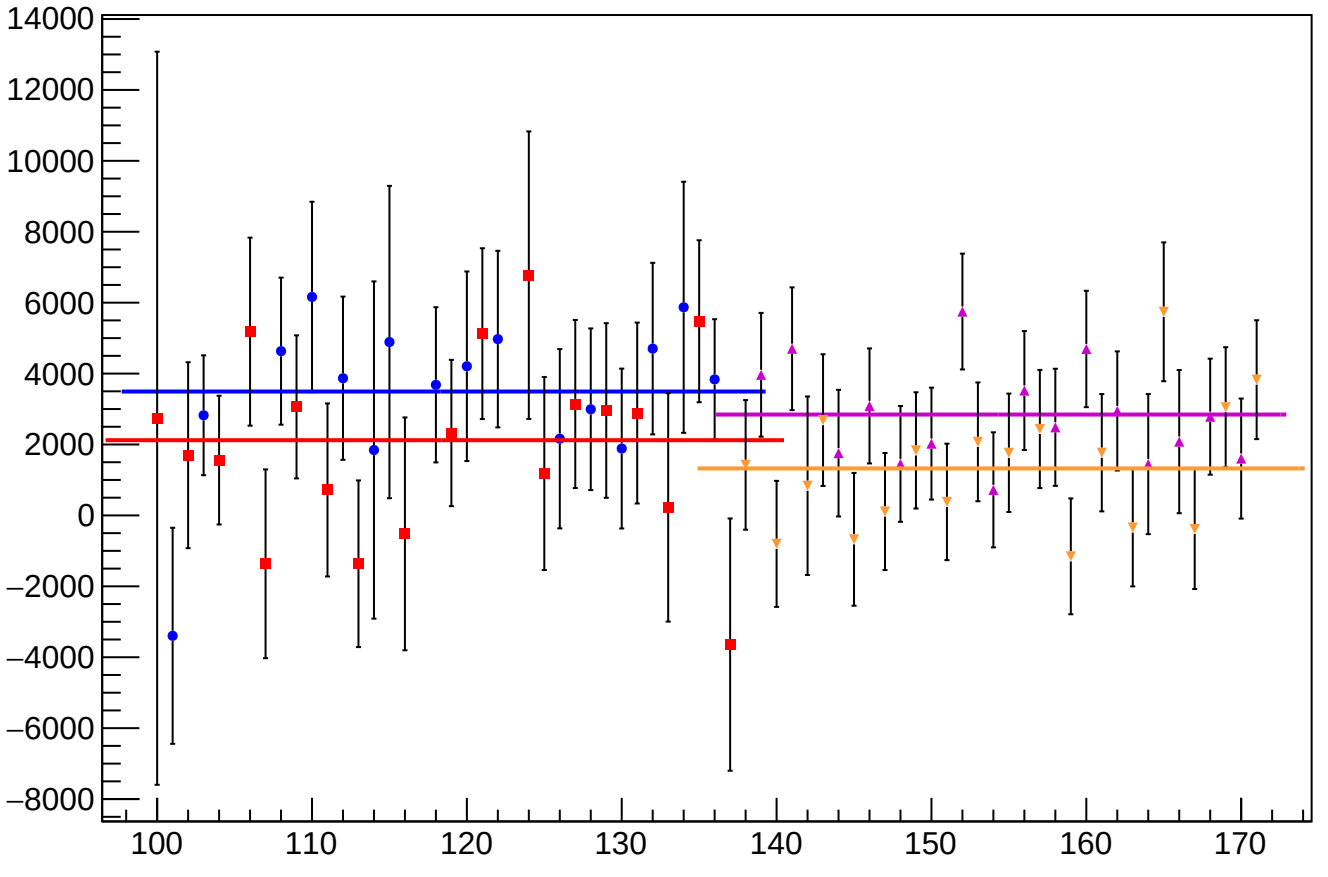
Left: 4954.618+/-0.683 χ^2/NDF: 1712064.9/33

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4902.148+/-0.786 χ^2/NDF:1794557.3/31

Out: 4679.053+/-0.739 χ^2/NDF:2624550.1/36

All: 4783.689+/-0.539 χ^2/NDF: 4461842.0/68



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: 2844.773+/-424.136 χ^2/NDF:10.5/15

Left: 2059.131+/-294.762 χ^2/NDF: 34.7/33

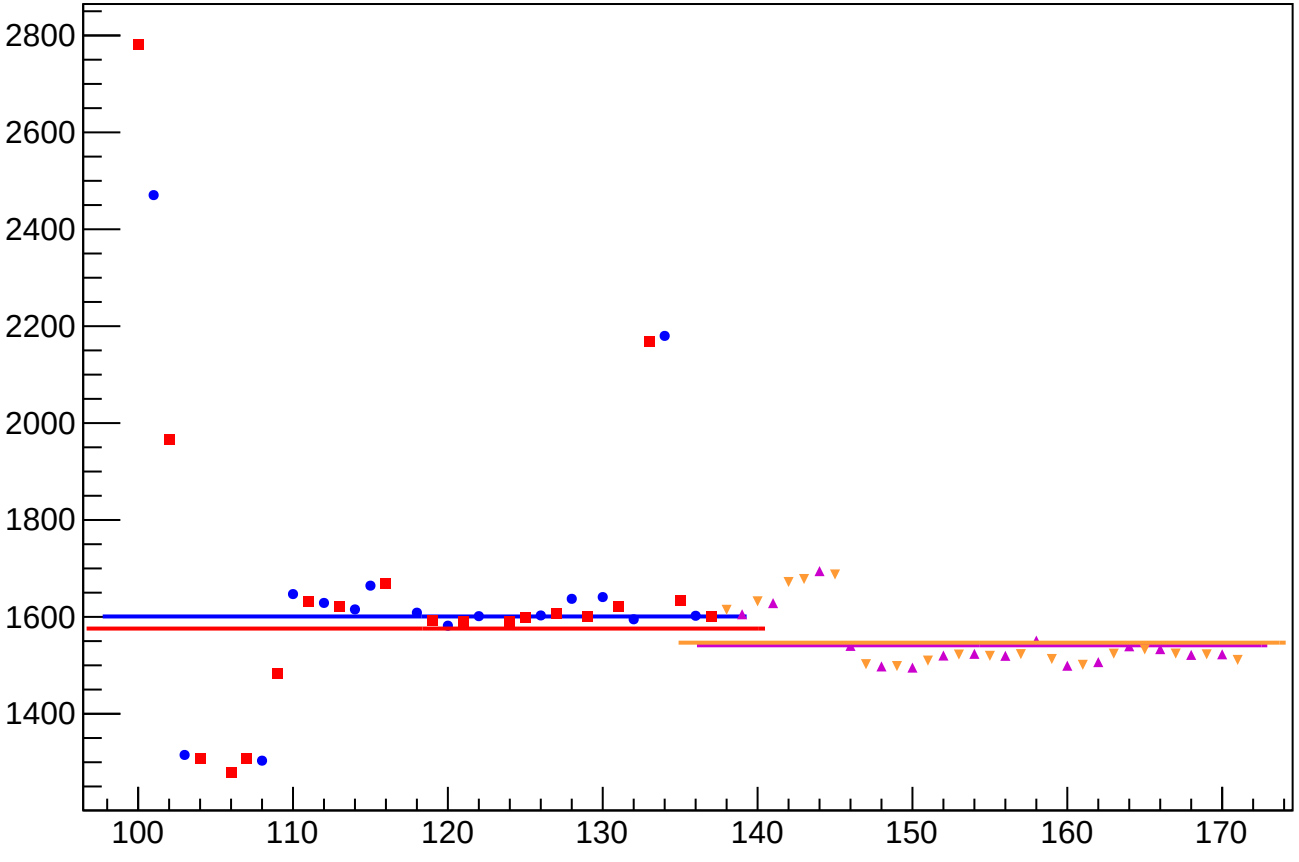
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3060.541+/-346.568 χ^2/NDF:20.1/31

Out: 1585.945+/-336.210 χ^2/NDF:33.9/36

All: 2300.879+/-241.315 χ^2/NDF: 63.3/68

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



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: 1541.368+/-0.300 χ^2/NDF:29291.4/15

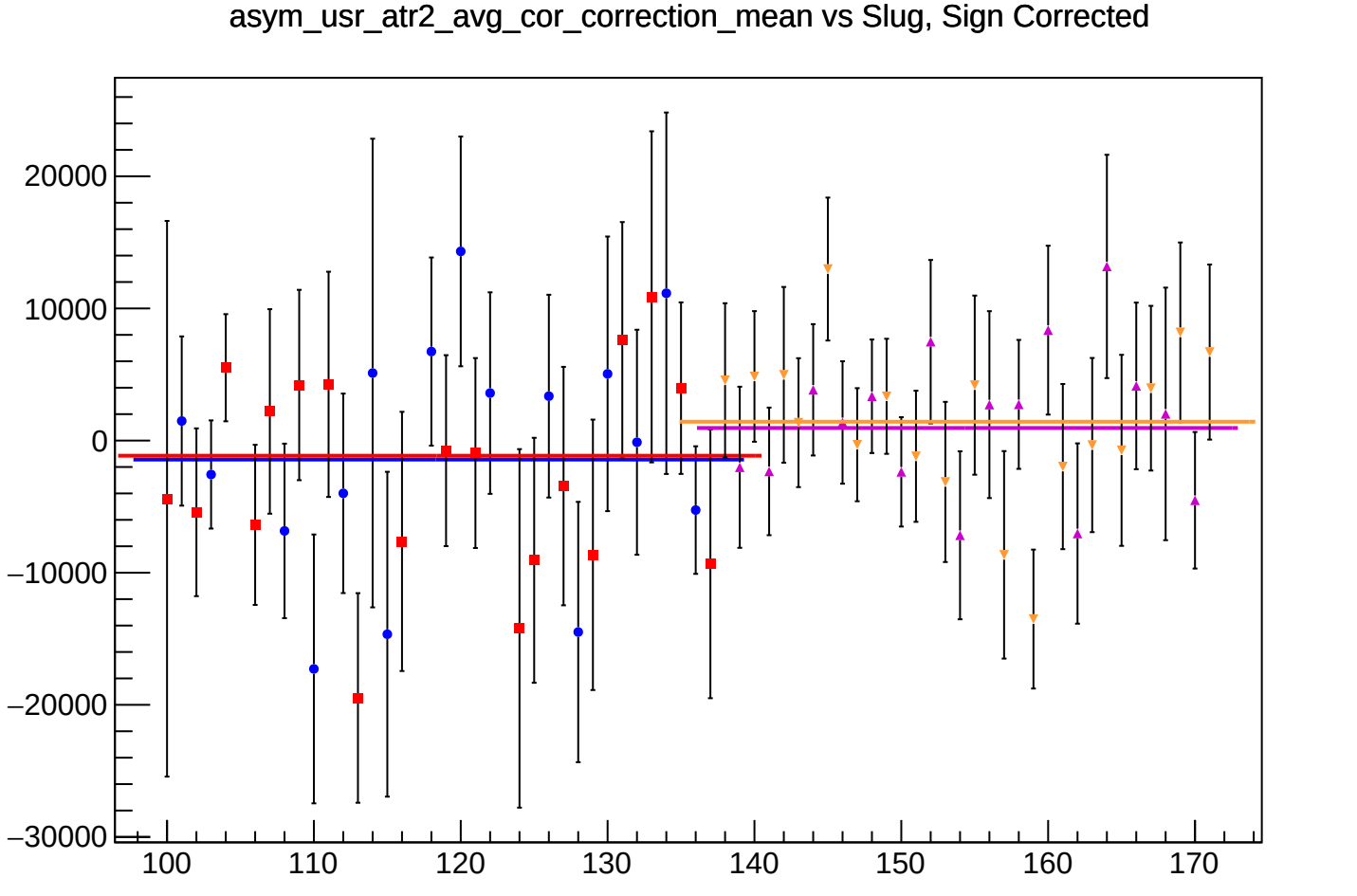
Left: 1544.172+/-0.208 χ^2/NDF: 73134.6/33

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1561.145+/-0.245 χ^2/NDF:359790.1/31

Out: 1556.371+/-0.237 χ^2/NDF:290324.9/36

All: 1558.682+/-0.171 χ^2/NDF: 650310.8/68



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: 951.389+/-1392.388 χ^2/NDF:11.1/15

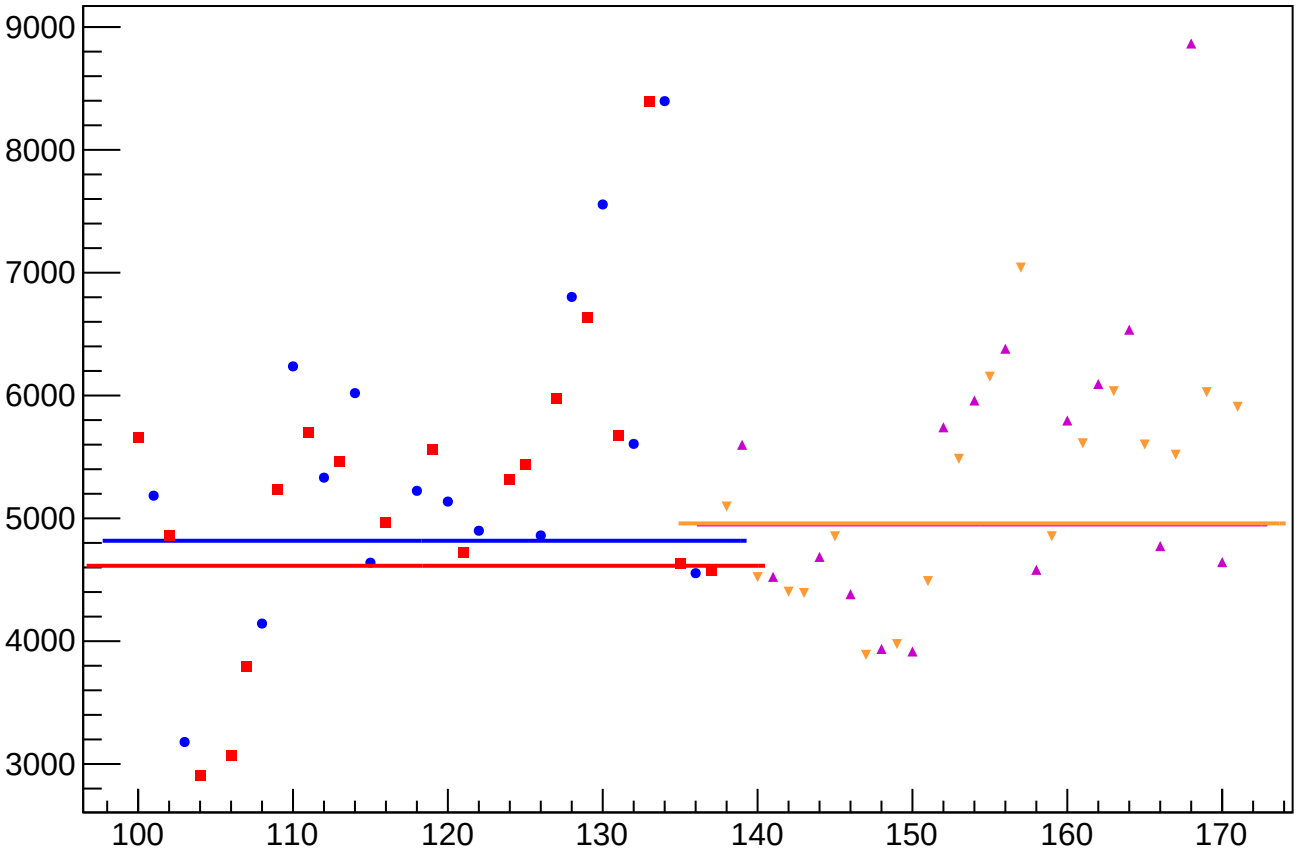
Left: 1197.959+/-965.719 χ^2/NDF: 30.2/33

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 86.564+/-1112.133 χ^2/NDF:26.1/31

Out: 485.600+/-1067.629 χ^2/NDF:36.6/36

All: 294.226+/-770.181 χ^2/NDF: 62.7/68



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: 4950.274+/-0.985 χ^2/NDF:992528.1/15

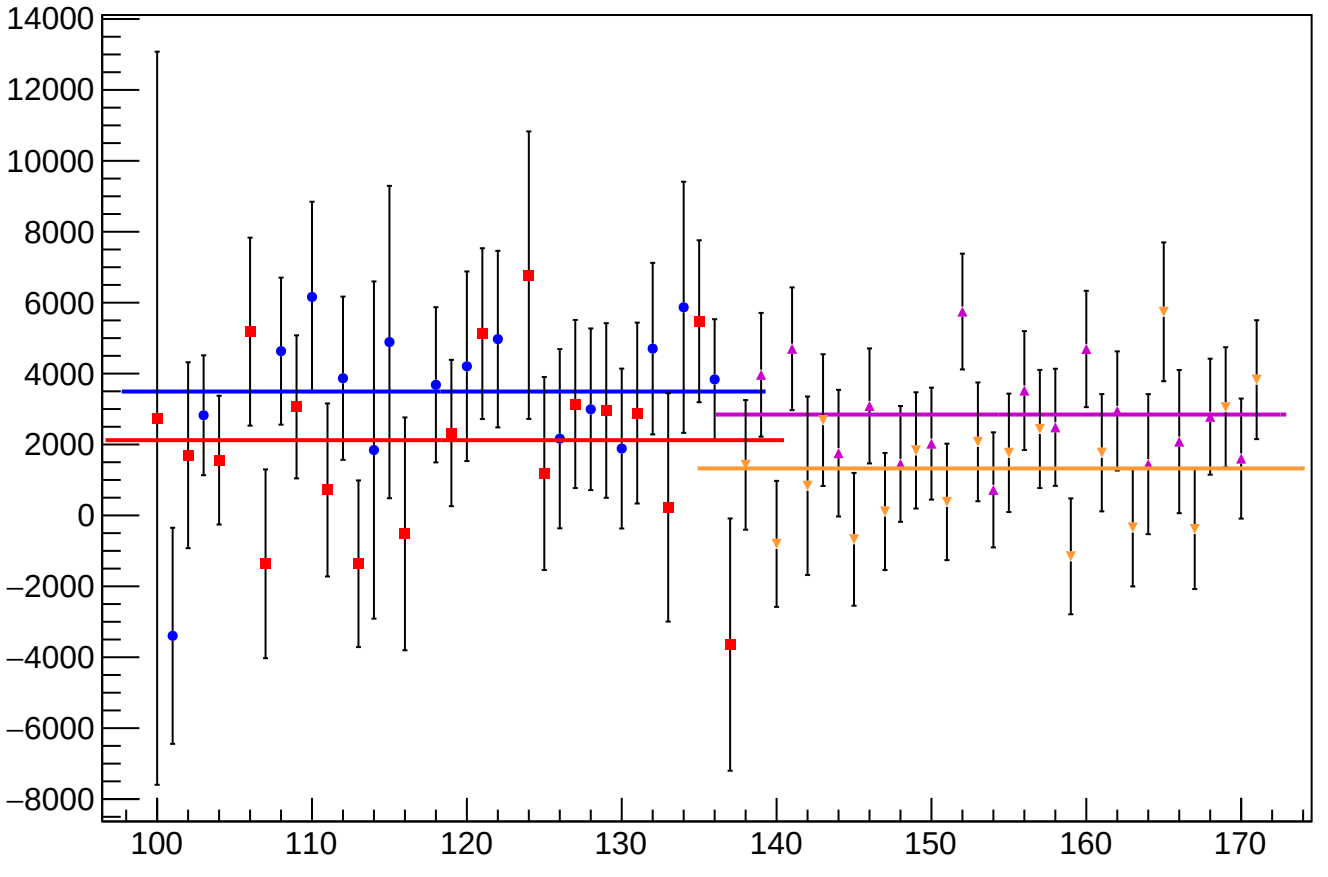
Left: 4954.611+/-0.683 χ^2/NDF: 1712072.9/33

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4902.197+/-0.786 χ^2/NDF:1794347.4/31

Out: 4832.534+/-0.755 χ^2/NDF:1745850.5/36

All: 4865.944+/-0.545 χ^2/NDF: 3544281.8/68



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: 2844.773+/-424.136 χ^2/NDF:10.5/15

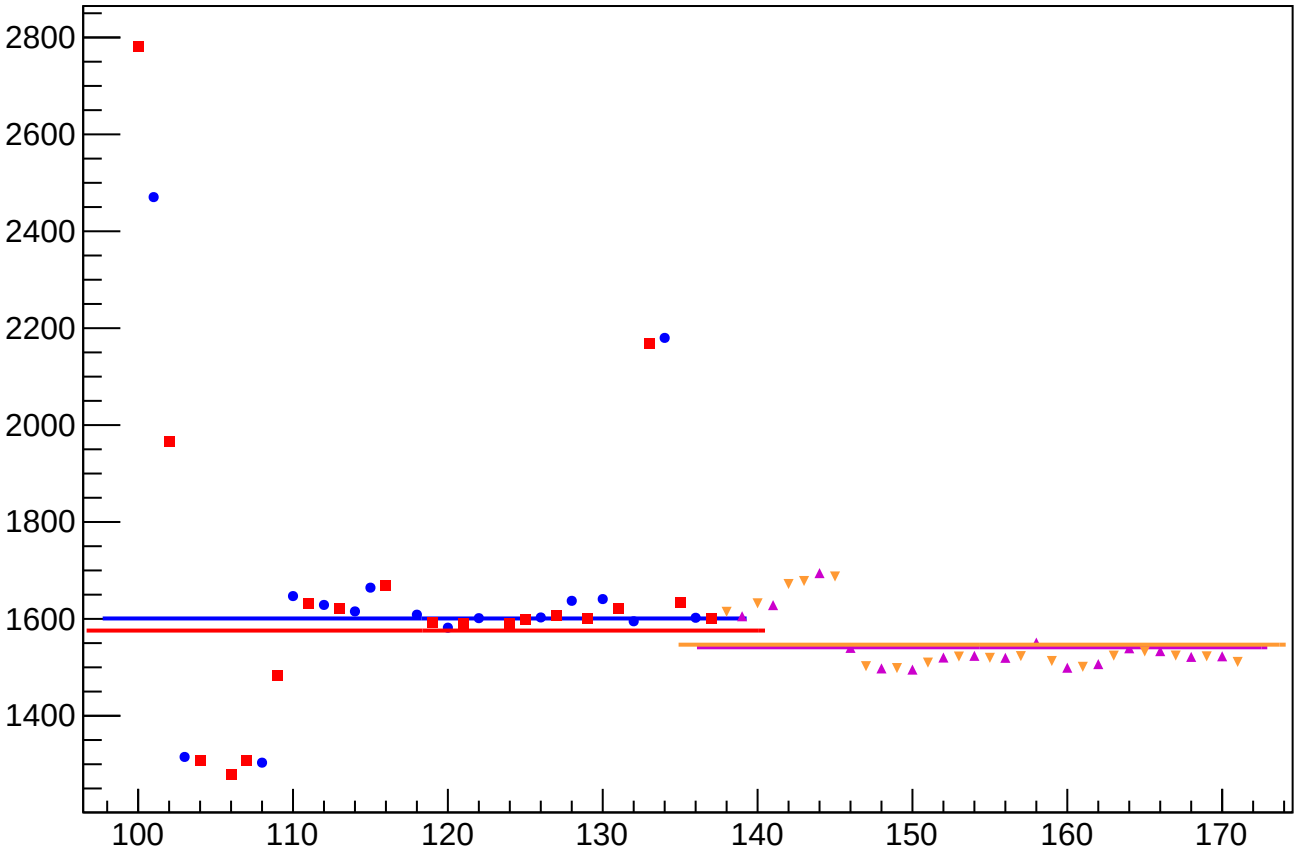
Left: 2059.131+/-294.762 χ^2/NDF: 34.7/33

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3060.541+/-346.568 χ^2/NDF:20.1/31

Out: 1585.945+/-336.210 χ^2/NDF:33.9/36

All: 2300.879+/-241.315 χ^2/NDF: 63.3/68



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: 1541.368+/-0.300 χ^2/NDF:29291.4/15

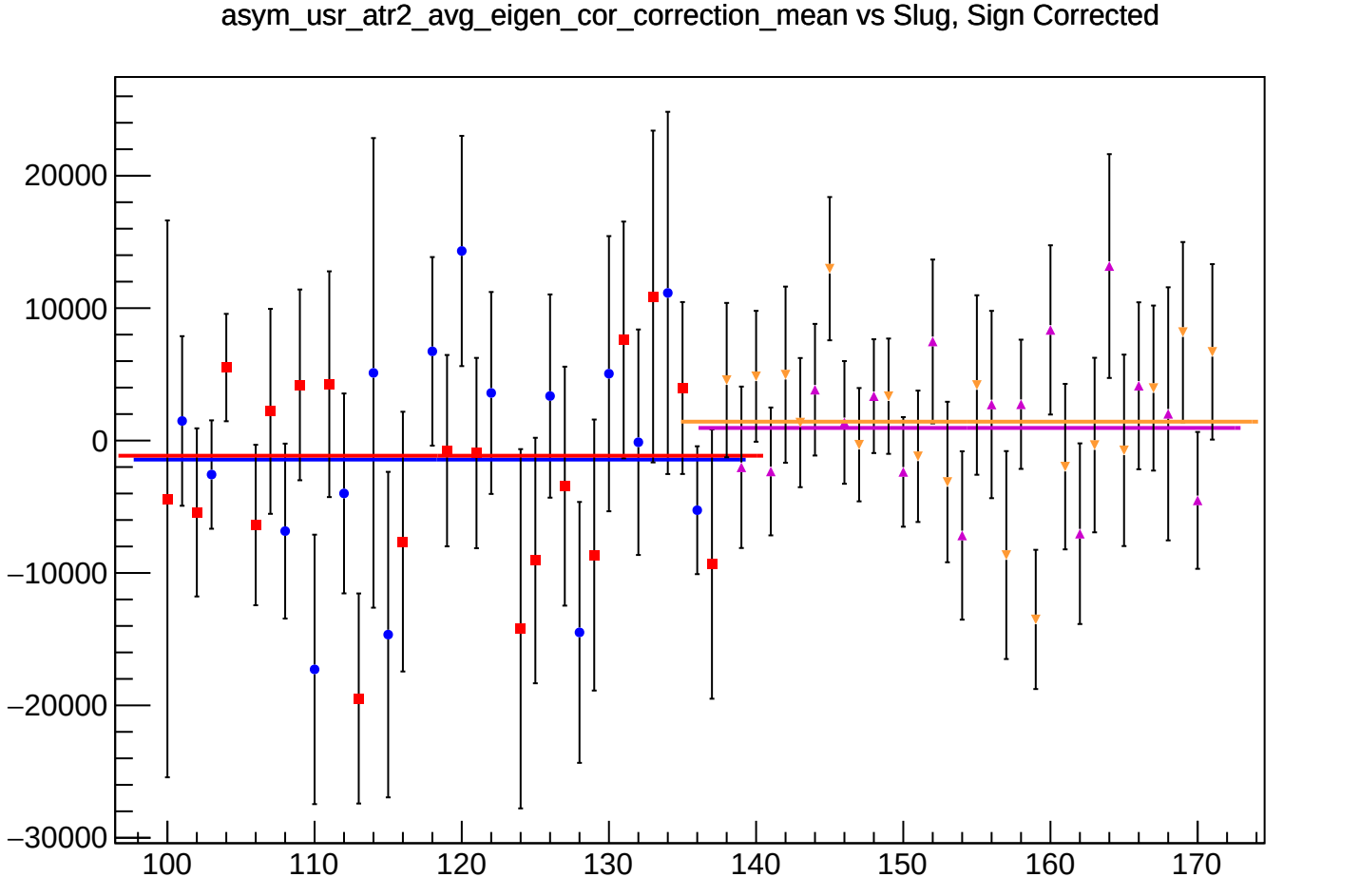
Left: 1544.172+/-0.208 χ^2/NDF: 73134.6/33

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1561.145+/-0.245 χ^2/NDF:359790.1/31

Out: 1556.371+/-0.237 χ^2/NDF:290324.9/36

All: 1558.682+/-0.171 χ^2/NDF: 650310.8/68



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: 951.389+/-1392.388 χ^2/NDF:11.1/15

Left: 1197.959+/-965.719 χ^2/NDF: 30.2/33

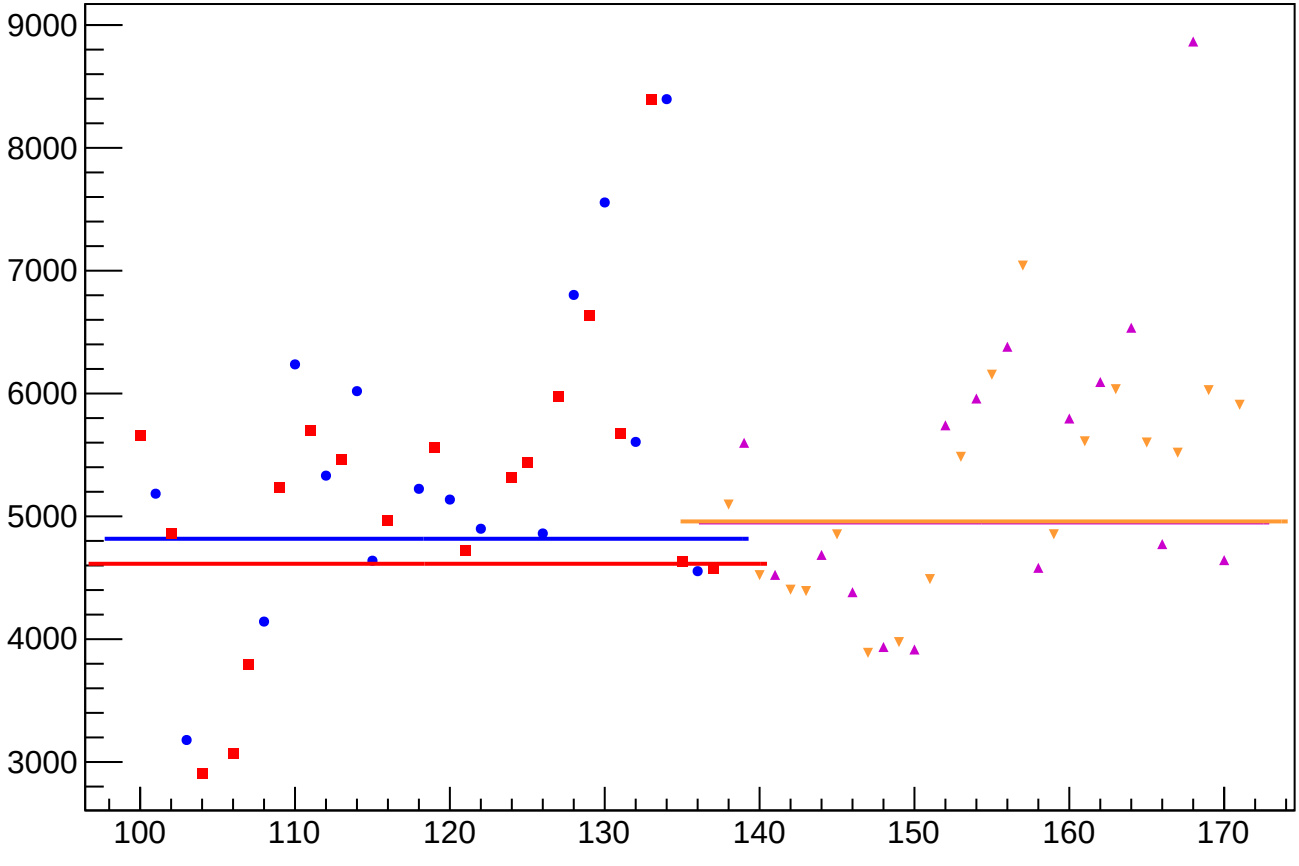
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: 86.564+/-1112.133 χ^2/NDF:26.1/31

Out: 485.600+/-1067.629 χ^2/NDF:36.6/36

All: 294.226+/-770.181 χ^2/NDF: 62.7/68

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4958.631+/-0.948 χ^2/NDF:719507.5/17

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4950.274+/-0.985 χ^2/NDF:992528.1/15

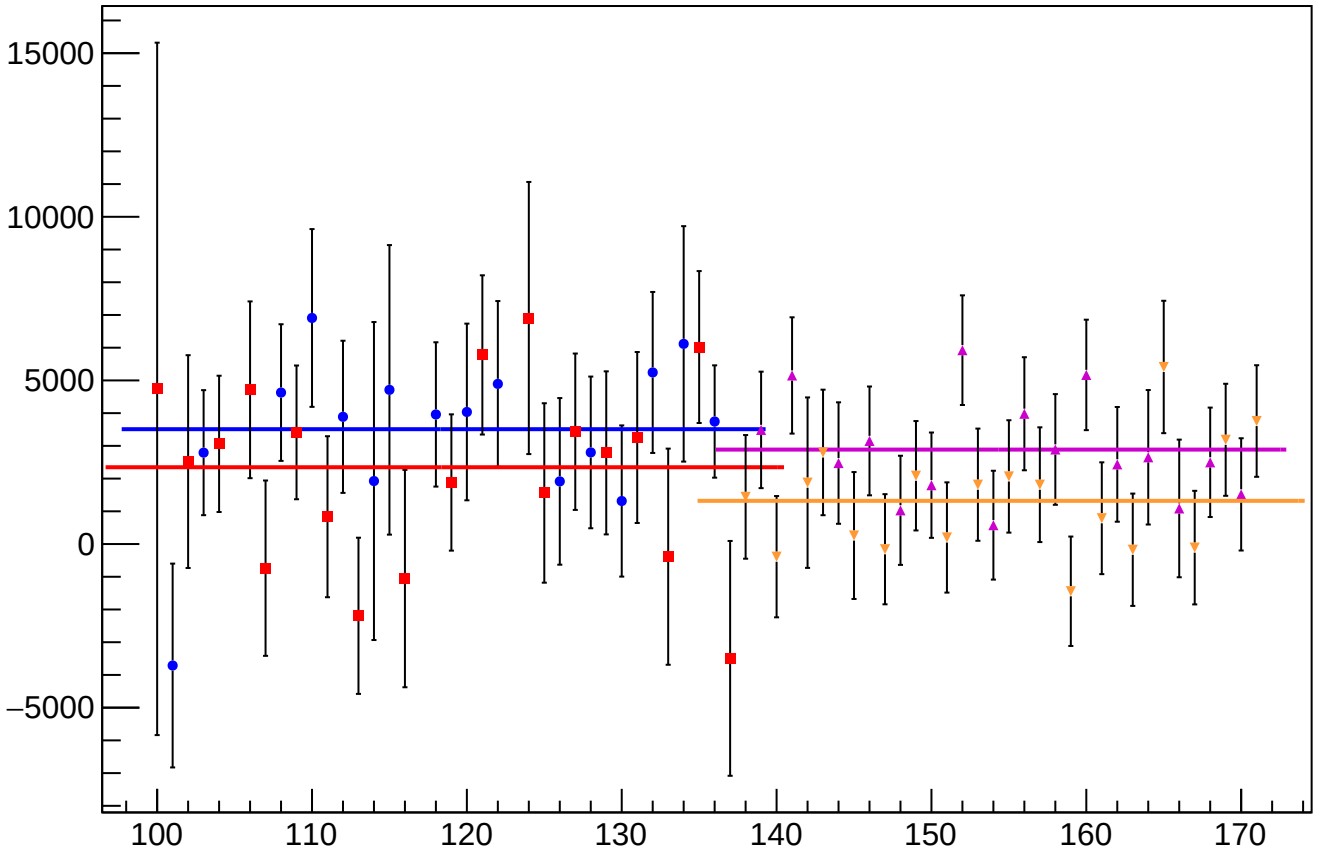
Left: 4954.611+/-0.683 χ^2/NDF: 1712072.9/33

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4902.197+/-0.786 χ^2/NDF:1794347.4/31

Out: 4832.534+/-0.755 χ^2/NDF:1745850.5/36

All: 4865.944+/-0.545 χ^2/NDF: 3544281.8/68



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: 2886.244+/-435.630 χ^2/NDF:12.5/15

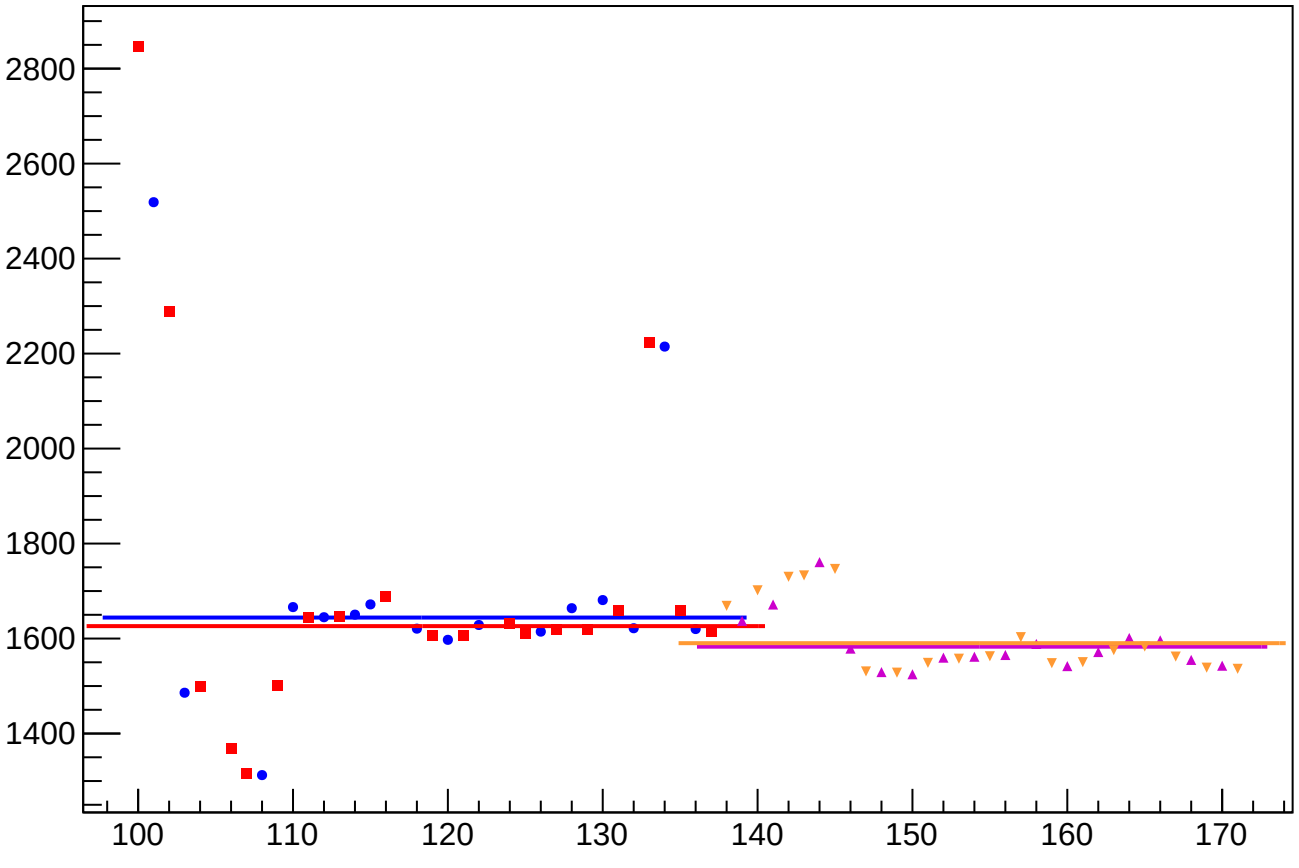
Left: 2077.616+/-302.949 χ^2/NDF: 34.3/33

Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3093.706+/-355.816 χ^2/NDF:23.5/31

Out: 1653.977+/-346.354 χ^2/NDF:34.2/36

All: 2354.445+/-248.187 χ^2/NDF: 66.1/68



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: 1582.874+/-0.308 χ^2/NDF:34000.0/15

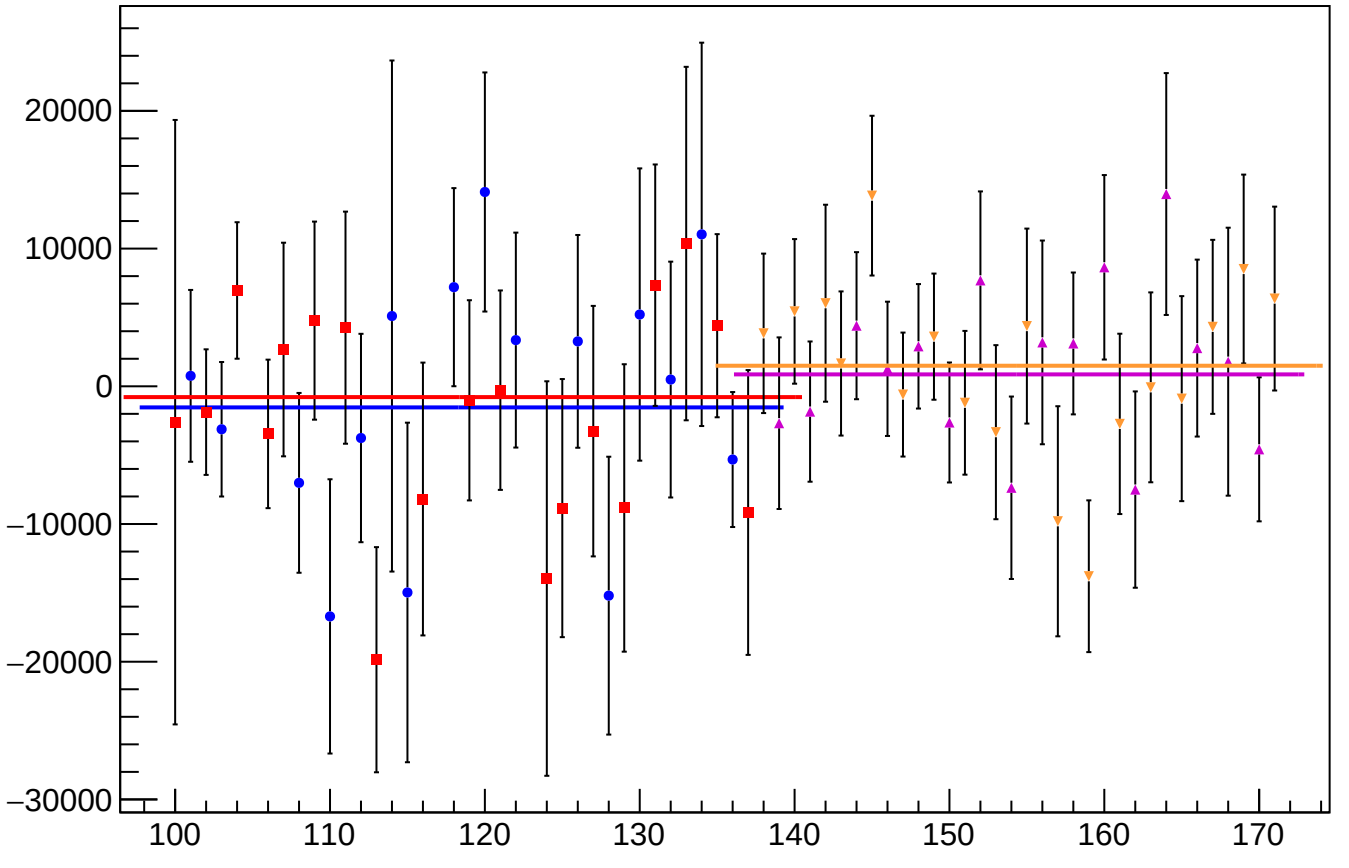
Left: 1586.691+/-0.214 χ^2/NDF: 89496.6/33

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1603.287+/-0.252 χ^2/NDF:322010.4/31

Out: 1601.952+/-0.245 χ^2/NDF:297560.4/36

All: 1602.601+/-0.175 χ^2/NDF: 619585.2/68



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: 864.992+/-1455.346 χ^2/NDF:11.0/15

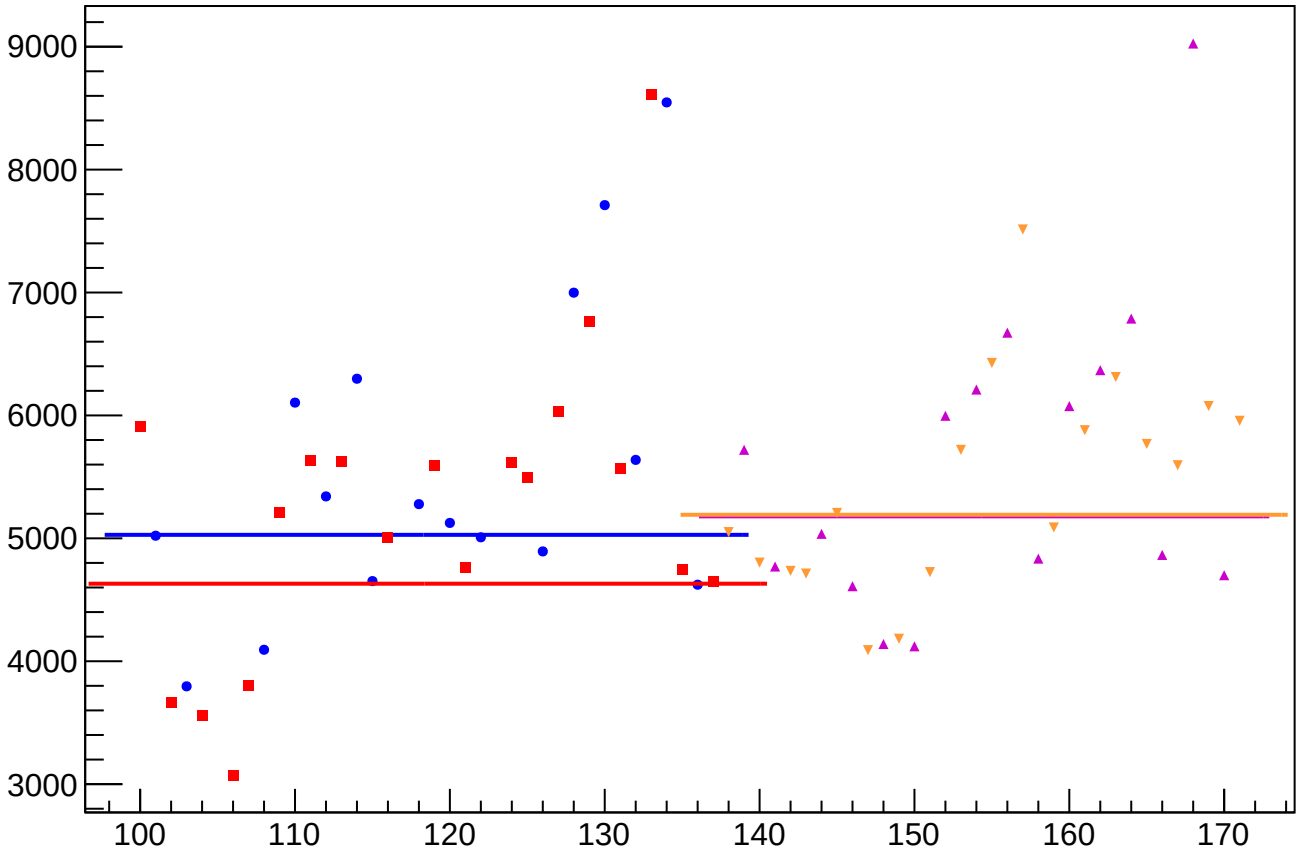
Left: 1191.160+/-1009.551 χ^2/NDF: 30.1/33

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -13.306+/-1158.441 χ^2/NDF:25.8/31

Out: 602.605+/-1093.632 χ^2/NDF:35.1/36

All: 312.359+/-795.240 χ^2/NDF: 61.1/68



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: 5178.923+/-1.029 χ^2/NDF:944058.2/15

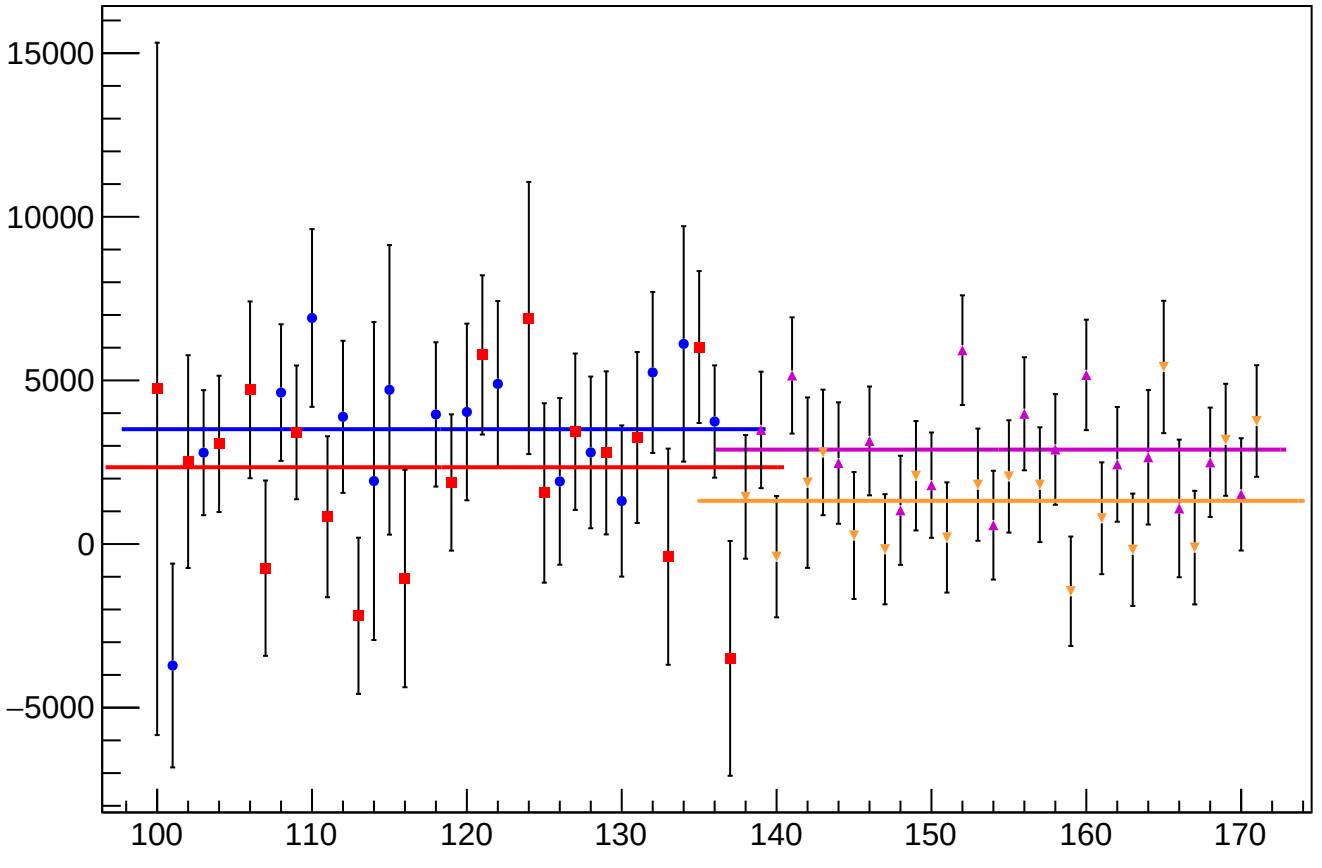
Left: 5185.533+/-0.714 χ^2/NDF: 1598523.6/33

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5123.789+/-0.819 χ^2/NDF:1517361.5/31

Out: 4972.304+/-0.773 χ^2/NDF:1643132.4/36

All: 5043.691+/-0.562 χ^2/NDF: 3178577.1/68



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: 2886.248+/-435.631 χ^2/NDF:12.5/15

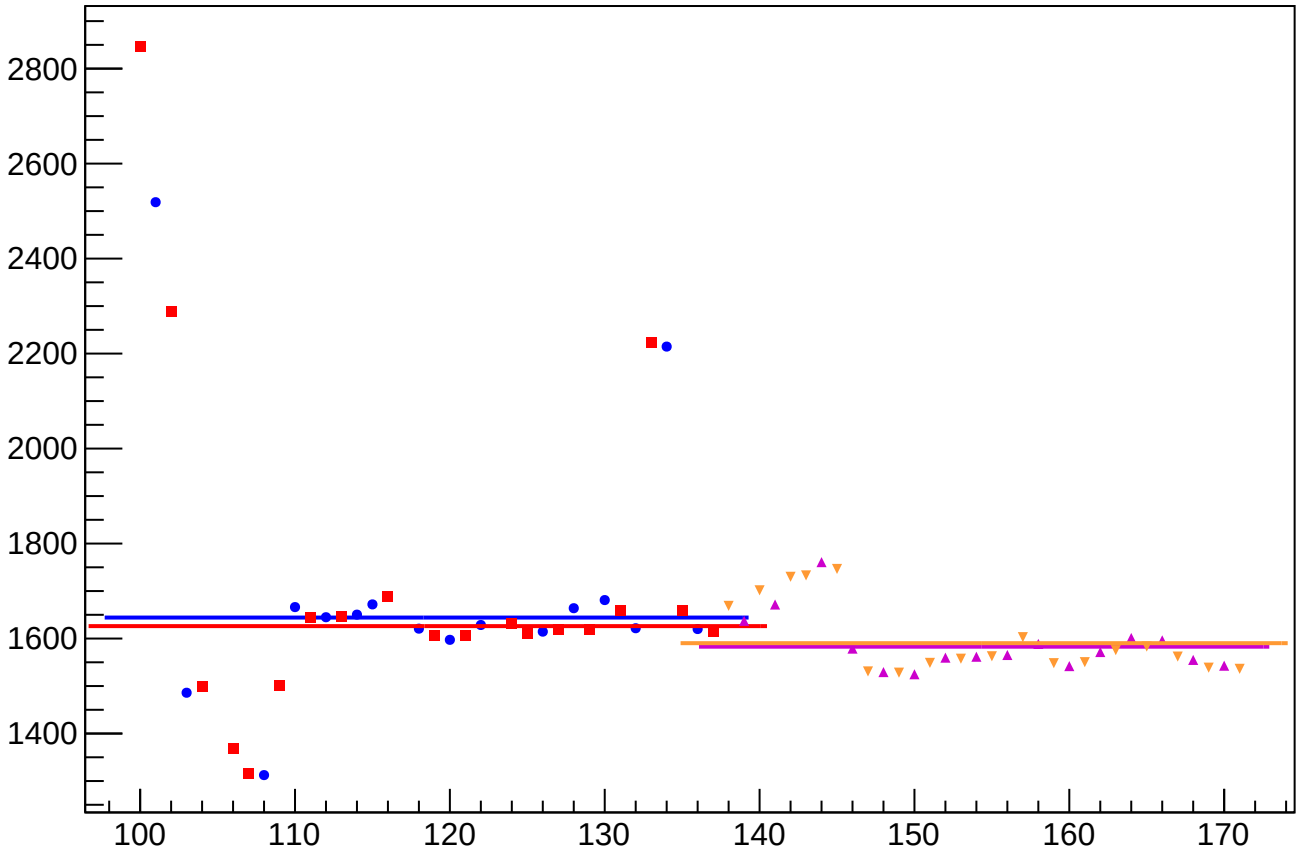
Left: 2077.614+/-302.949 χ^2/NDF: 34.3/33

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3093.710+/-355.816 χ^2/NDF:23.5/31

Out: 1653.975+/-346.354 χ^2/NDF:34.2/36

All: 2354.446+/-248.187 χ^2/NDF: 66.1/68



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: 1582.875+/-0.308 χ^2/NDF:33999.9/15

Left: 1586.692+/-0.214 χ^2/NDF: 89496.7/33

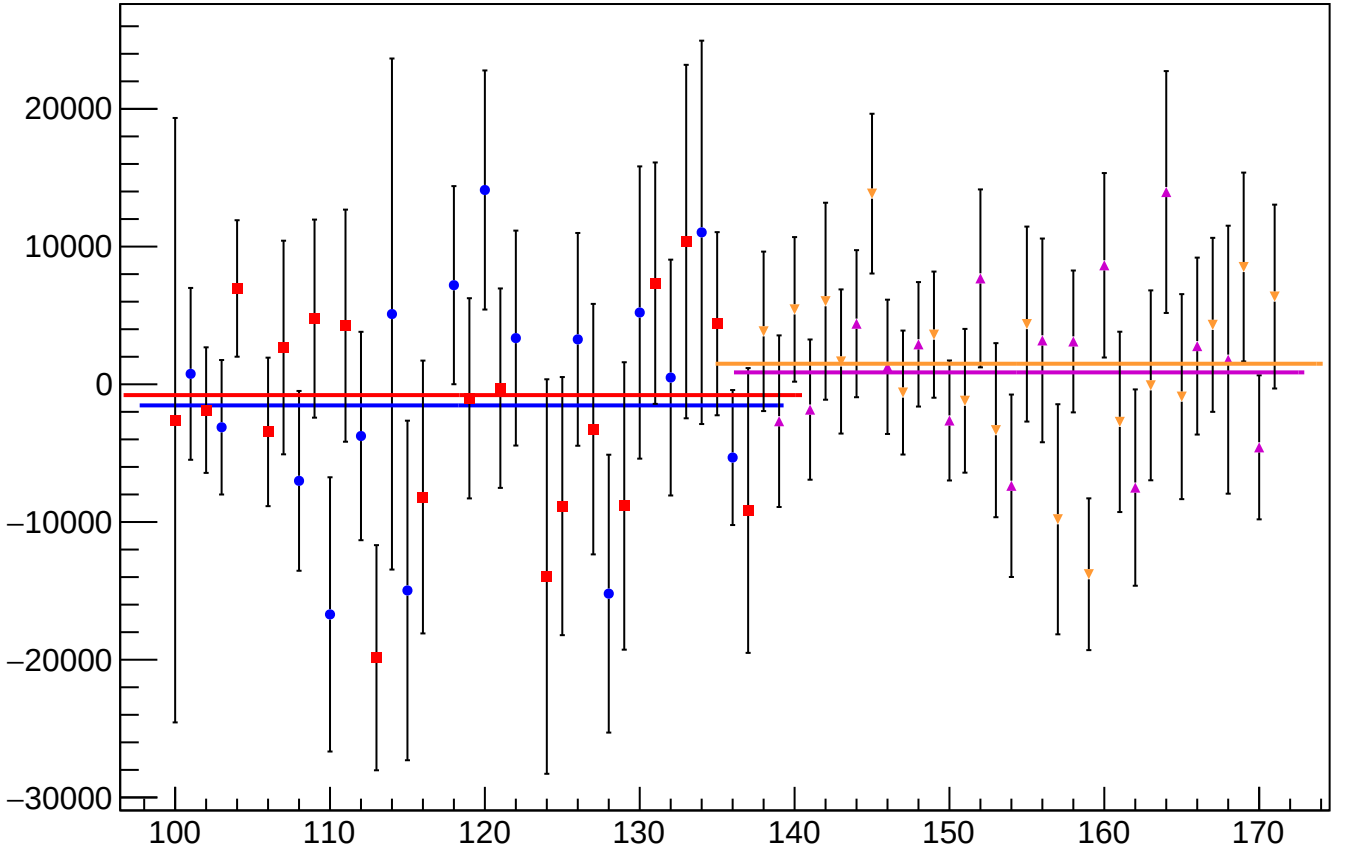
Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1603.287+/-0.252 χ^2/NDF:322009.7/31

Out: 1601.952+/-0.245 χ^2/NDF:297559.7/36

All: 1602.602+/-0.175 χ^2/NDF: 619583.9/68

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1493.684+/-1401.613 χ^2/NDF:19.0/17

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 864.991+/-1455.349 χ^2/NDF:11.0/15

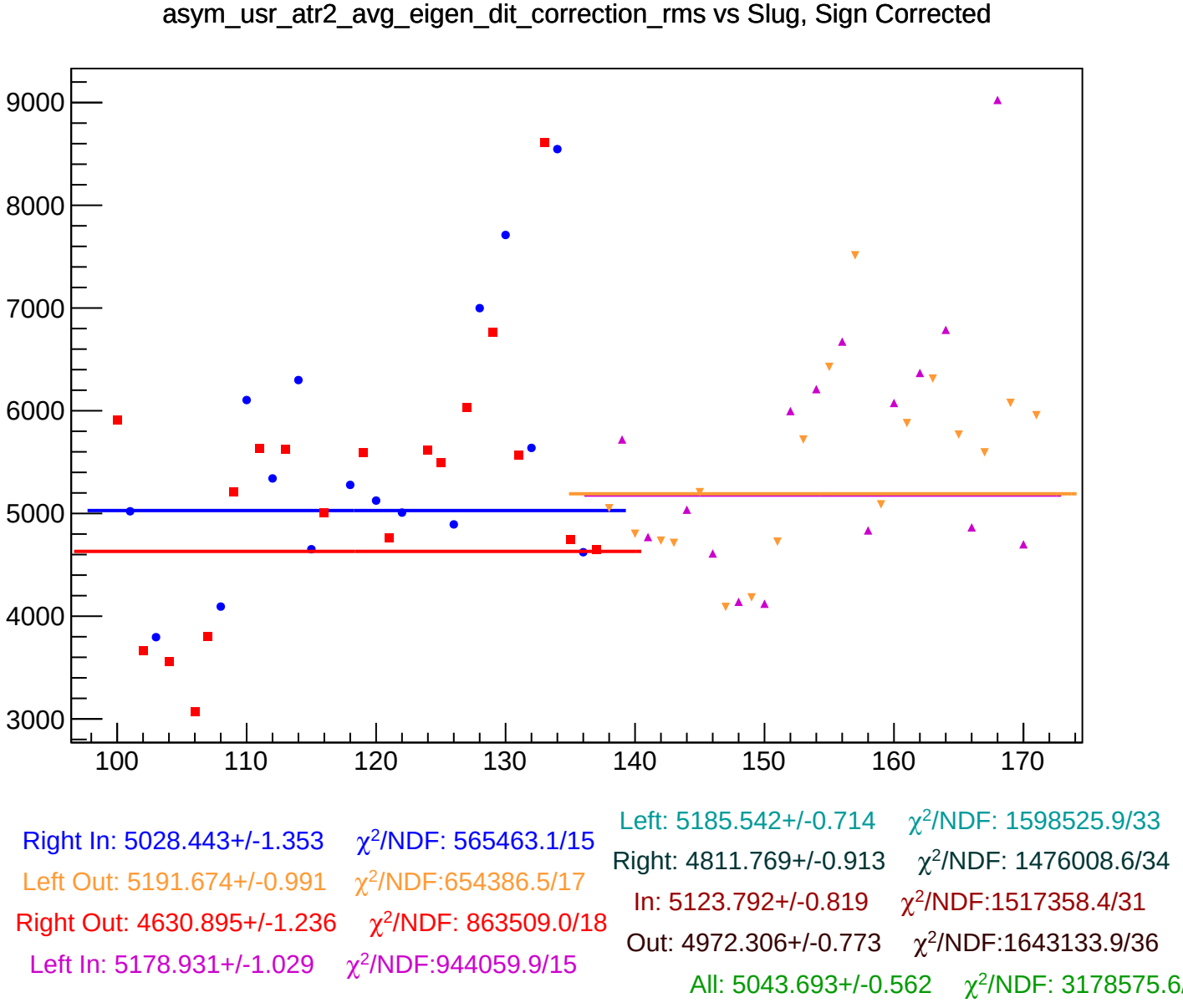
Left: 1191.158+/-1009.553 χ^2/NDF: 30.1/33

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -13.305+/-1158.442 χ^2/NDF:25.8/31

Out: 602.600+/-1093.633 χ^2/NDF:35.1/36

All: 312.357+/-795.240 χ^2/NDF: 61.1/68


asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
9000
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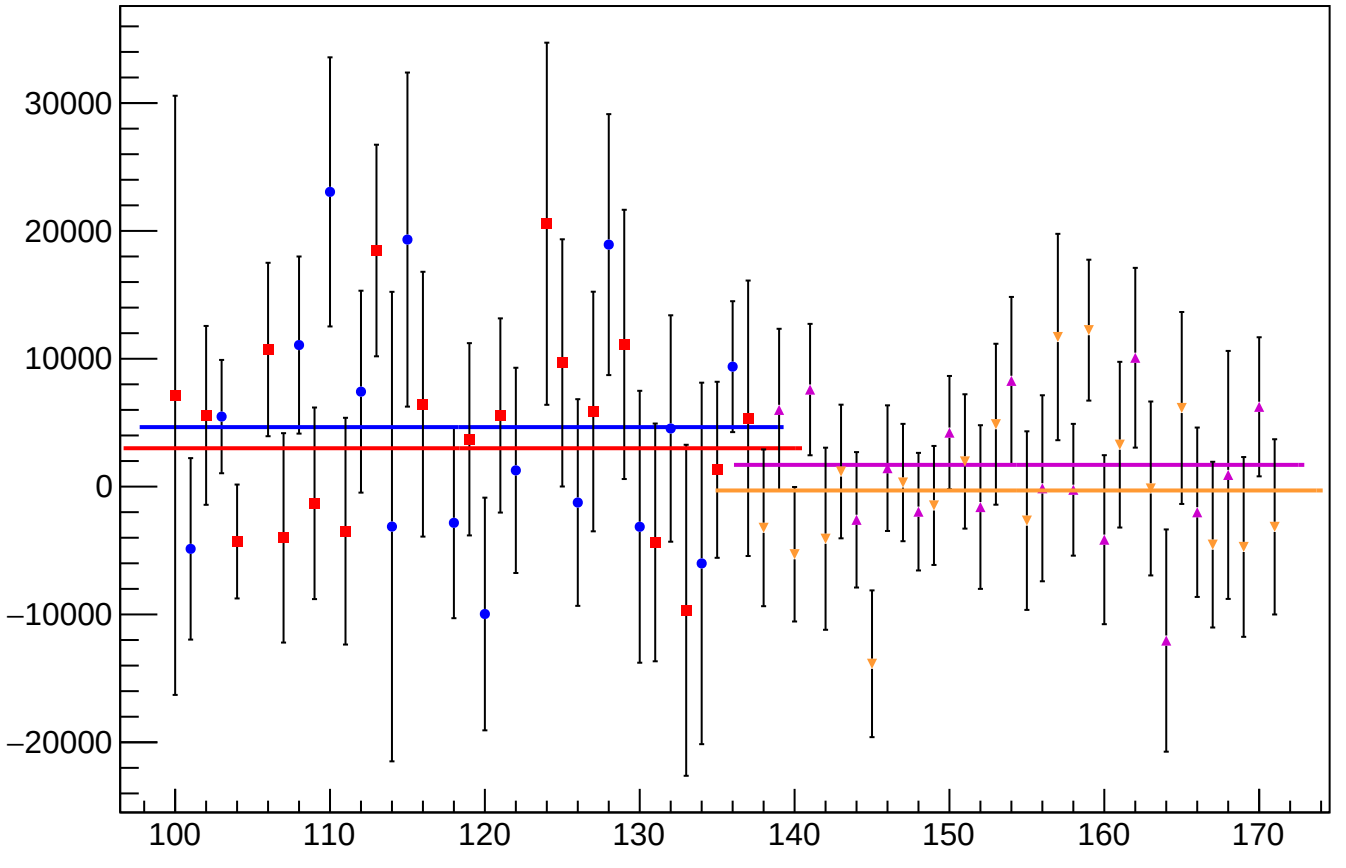
160
170
Right In: 5028.443+/-1.353 χ²/NDF: 565463.1/15
Left Out: 5191.674+/-0.991 χ²/NDF:654386.5/17
Right Out: 4630.895+/-1.236 χ²/NDF: 863509.0/18
Left In: 5178.931+/-1.029 χ²/NDF:944059.9/15
Left: 5185.542+/-0.714 χ²/NDF: 1598525.9/33
Right: 4811.769+/-0.913 χ²/NDF: 1476008.6/34
In: 5123.792+/-0.819 χ²/NDF:1517358.4/31
Out: 4972.306+/-0.773 χ²/NDF:1643133.9/36
All: 5043.693+/-0.562 χ²/NDF: 3178575.6/68



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: 1700.116+/-1465.421 χ^2/NDF:10.6/15

Left: 661.435+/-1016.691 χ^2/NDF: 29.1/33

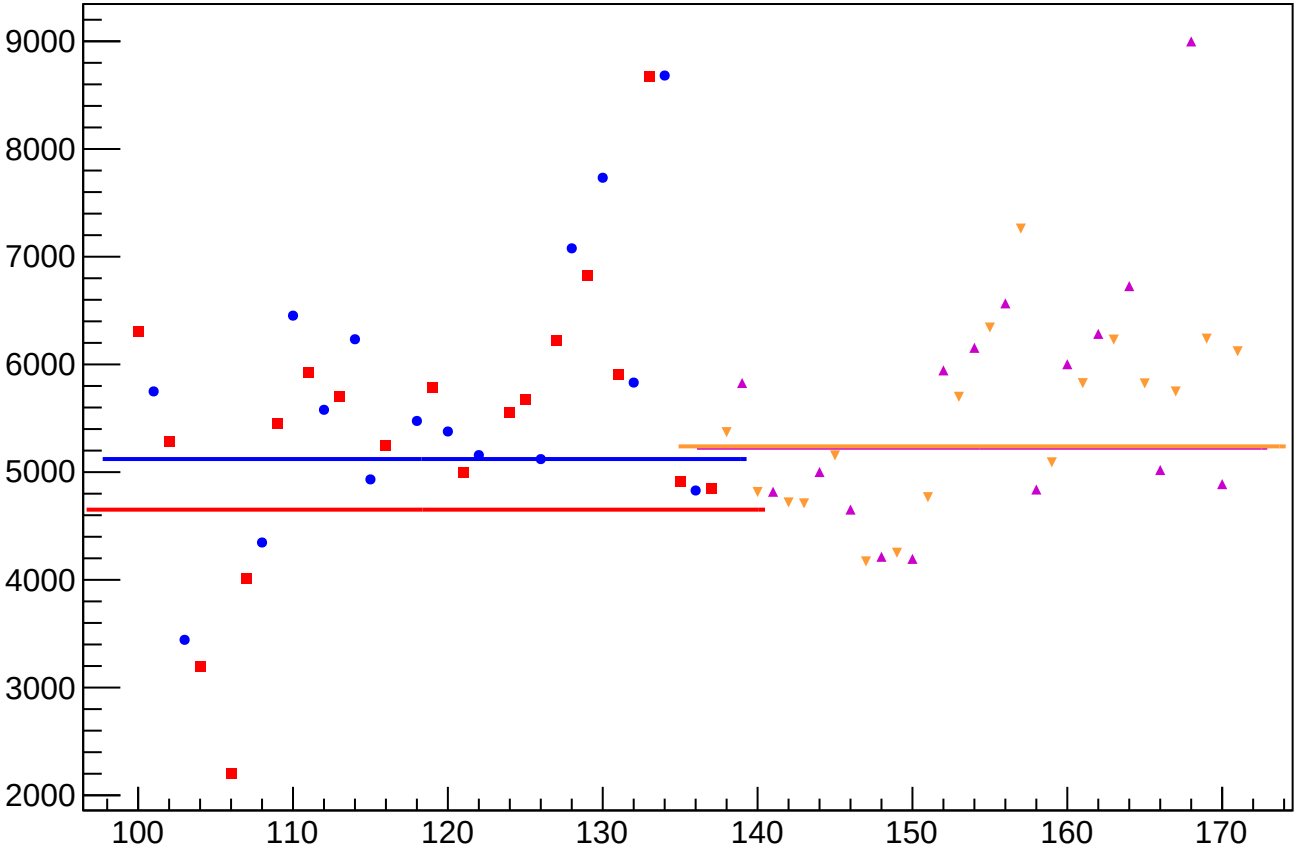
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 2760.005+/-1173.328 χ^2/NDF:27.6/31

Out: 886.316+/-1129.489 χ^2/NDF:33.4/36

All: 1787.504+/-813.726 χ^2/NDF: 62.3/68

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: 5226.735+/-1.036 χ^2/NDF:855520.6/15

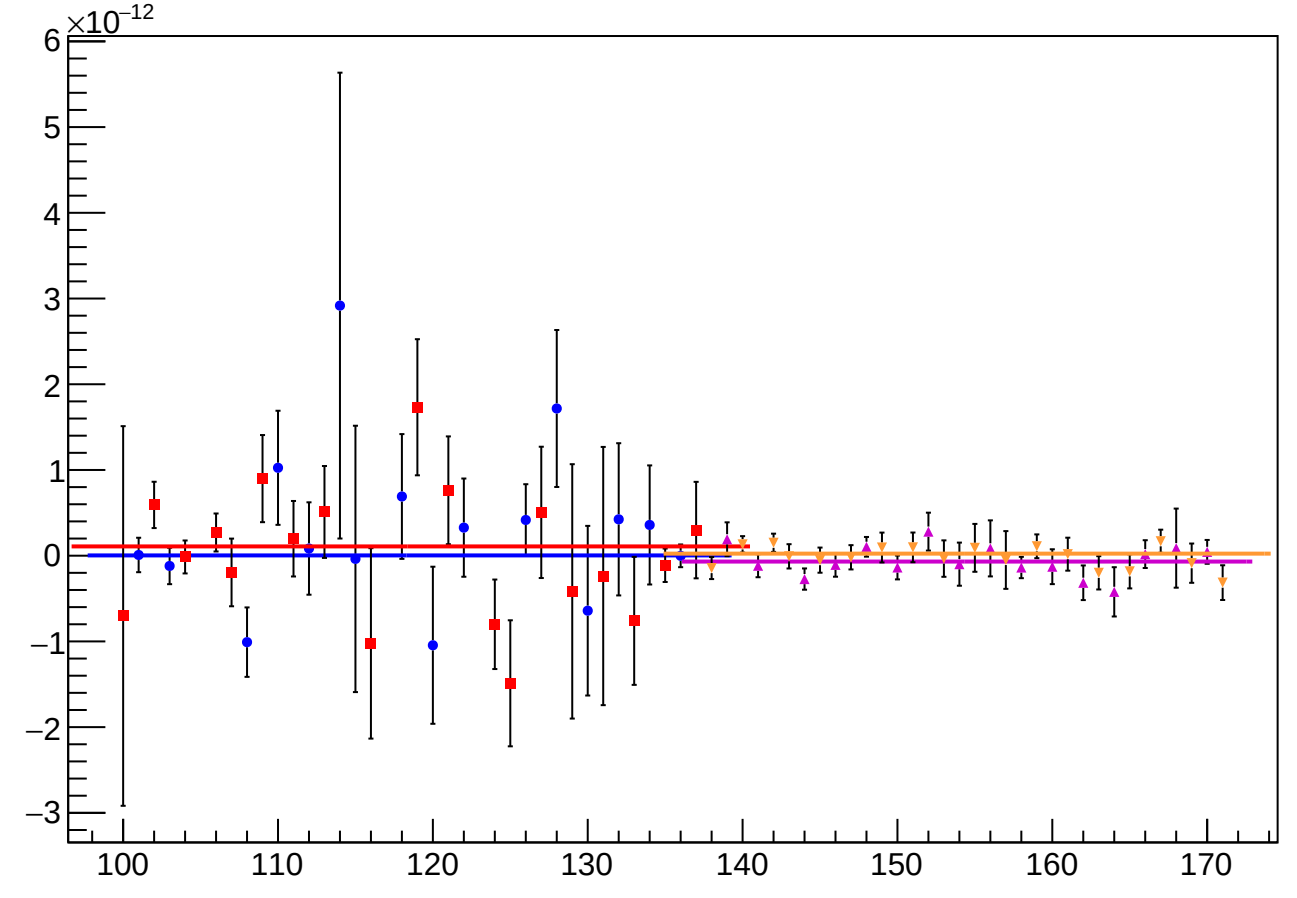
Left: 5233.099+/-0.719 χ^2/NDF: 1460113.8/33

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5189.016+/-0.830 χ^2/NDF:1579582.4/31

Out: 5016.981+/-0.787 χ^2/NDF:2080240.2/36

All: 5098.487+/-0.571 χ^2/NDF: 3682447.9/68



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.3/15

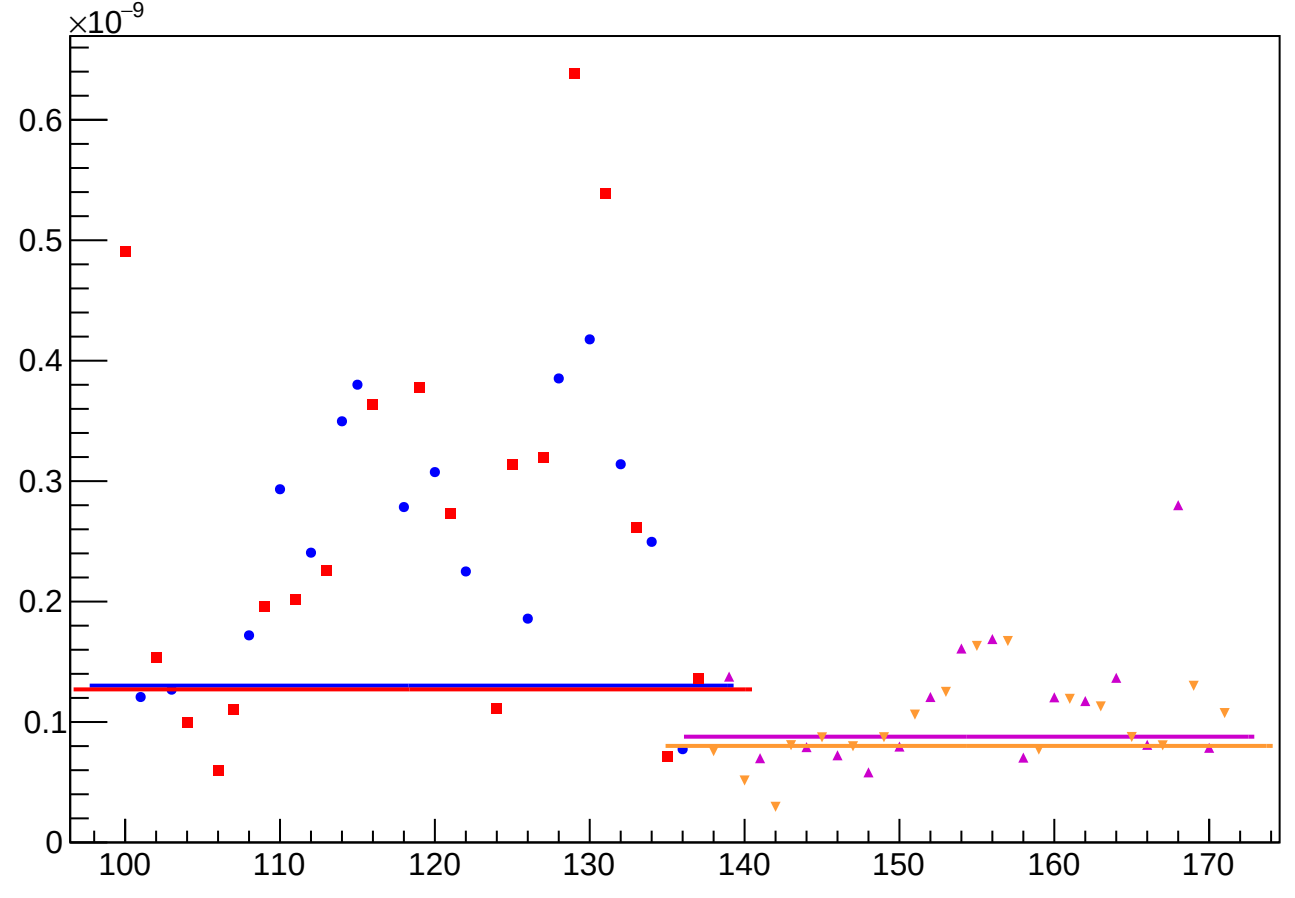
Left: -0.000+/-0.000 χ^2/NDF: 29.5/33

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: -0.000+/-0.000 χ^2/NDF:32.9/31

Out: 0.000+/-0.000 χ^2/NDF:38.2/36

All: -0.000+/-0.000 χ^2/NDF: 74.5/68



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361289.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1225318.1/15

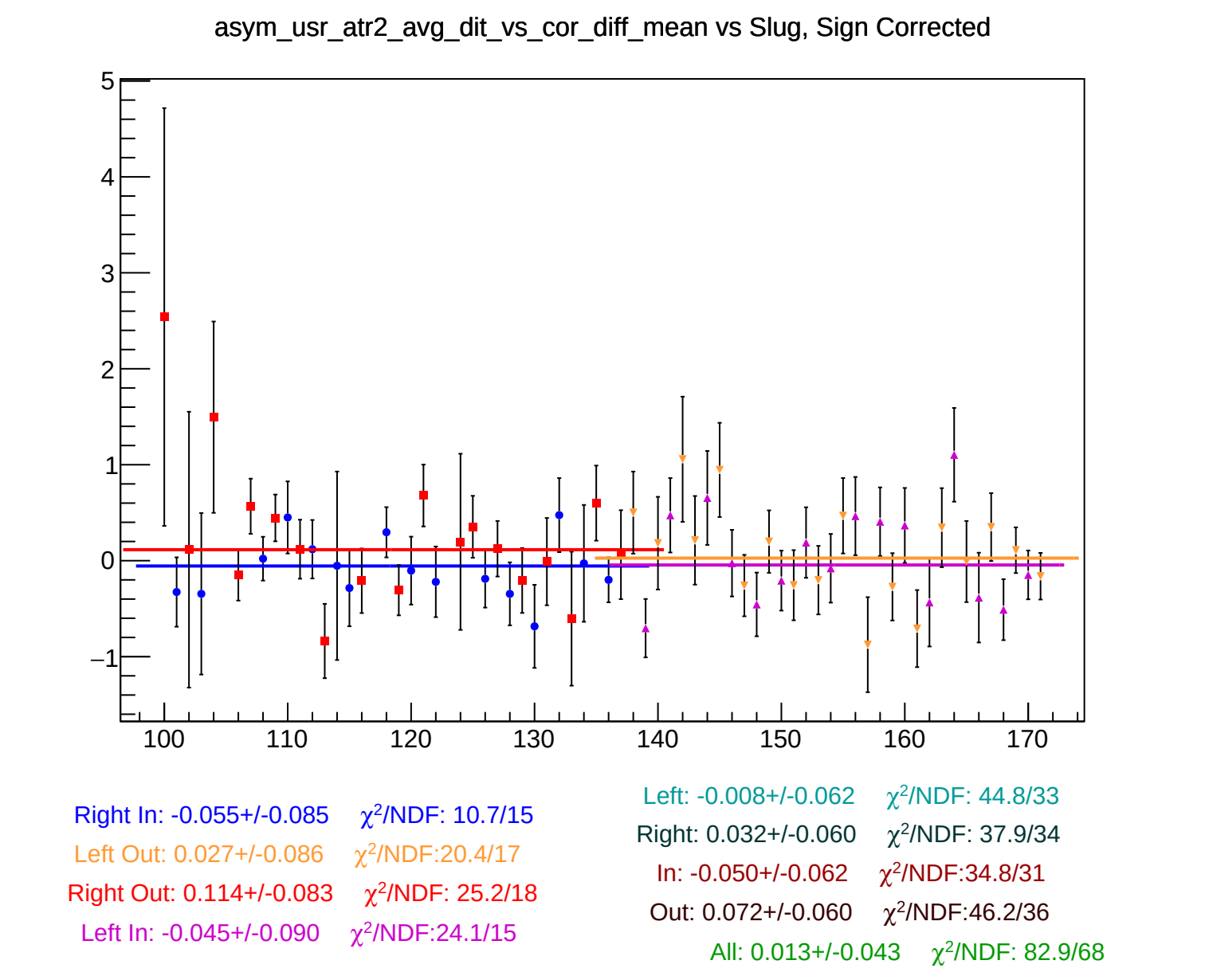
Left: 0.000+/-0.000 χ^2/NDF: 2625252.8/33

Right: 0.000+/-0.000 χ^2/NDF: 3064818.5/34

In: 0.000+/-0.000 χ^2/NDF:2946225.0/31

Out: 0.000+/-0.000 χ^2/NDF:3565582.7/36

All: 0.000+/-0.000 χ^2/NDF: 6572163.6/68


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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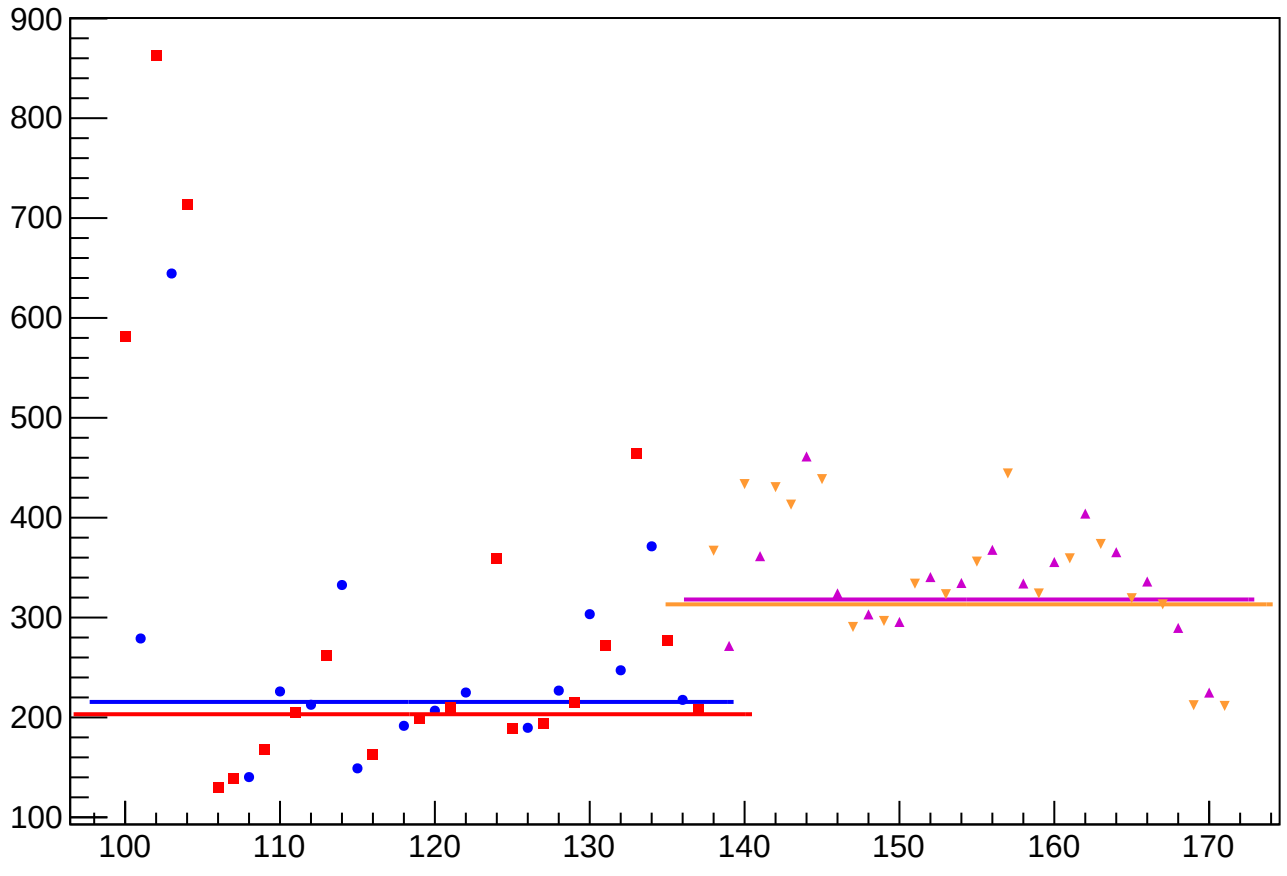
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.027+/-0.086 χ²/NDF:20.4/17
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.045+/-0.090 χ²/NDF:24.1/15
Left: -0.008+/-0.062 χ²/NDF: 44.8/33
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.050+/-0.062 χ²/NDF:34.8/31
Out: 0.072+/-0.060 χ²/NDF:46.2/36
All: 0.013+/-0.043 χ²/NDF: 82.9/68



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: 318.094+/-0.064 χ^2/NDF:698631.3/15

Left: 315.560+/-0.044 χ^2/NDF: 2115546.6/33

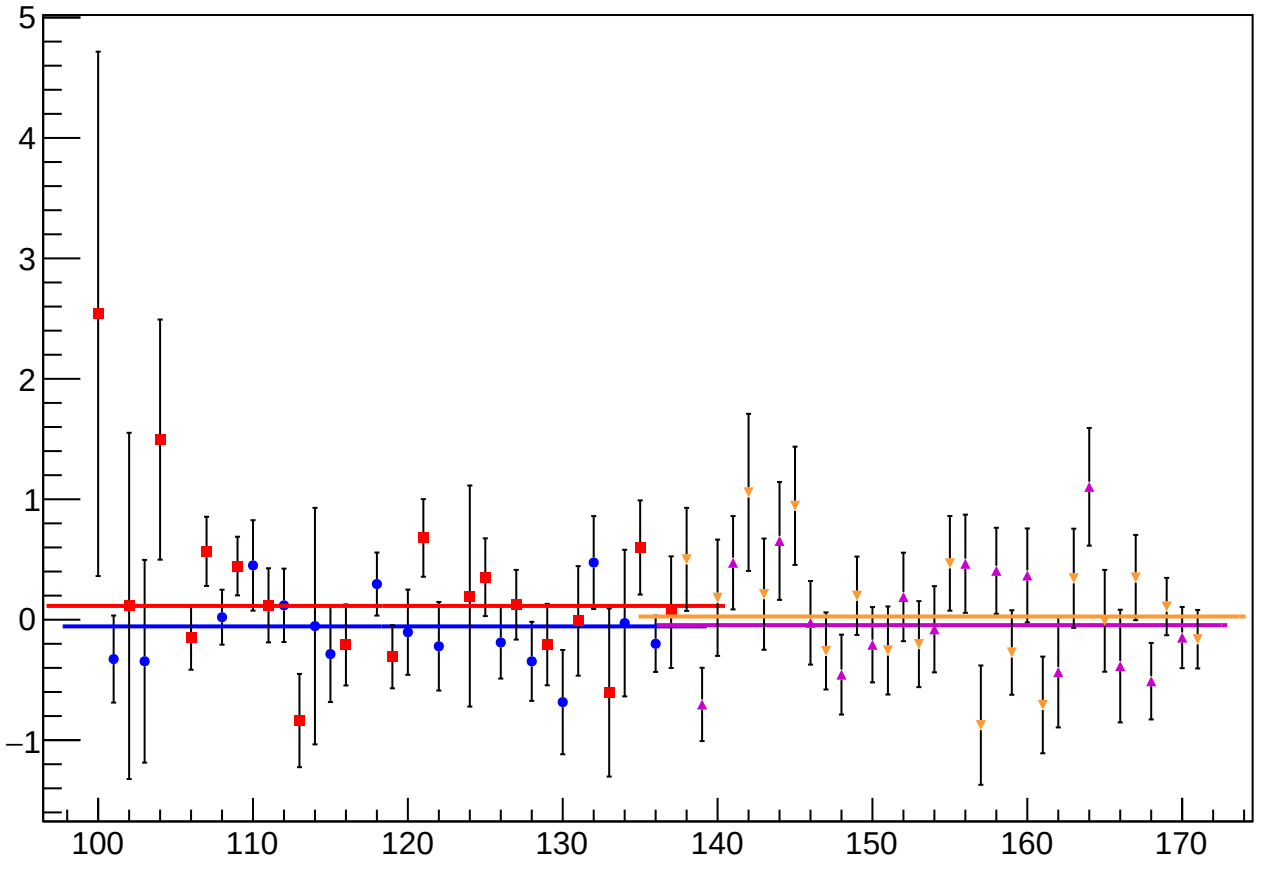
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 264.218+/-0.044 χ^2/NDF:3214991.5/31

Out: 256.252+/-0.042 χ^2/NDF:4934944.6/36

All: 260.101+/-0.030 χ^2/NDF: 8167035.0/68

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.027+/-0.086 χ^2/NDF:20.4/17

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.045+/-0.090 χ^2/NDF:24.1/15

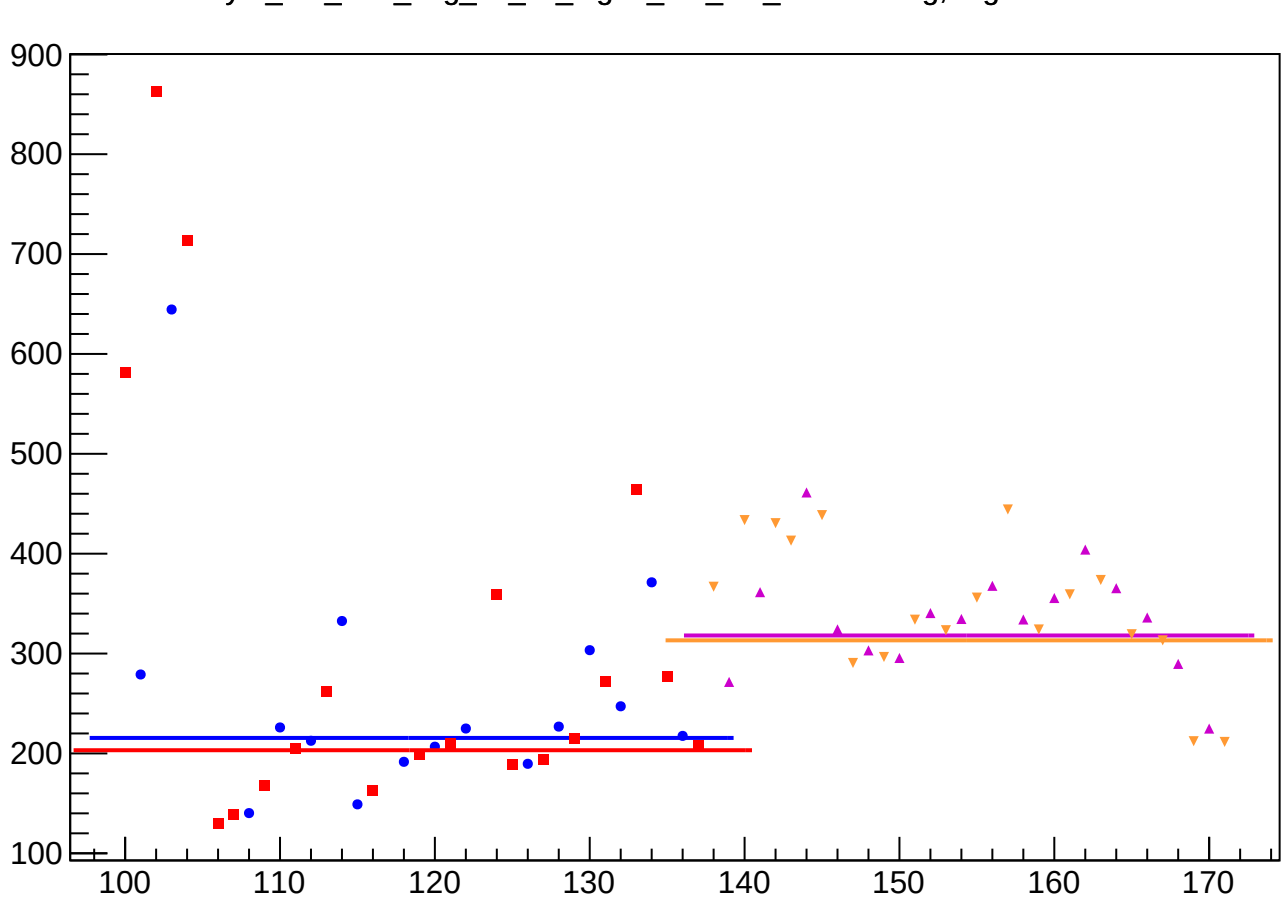
Left: -0.008+/-0.062 χ^2/NDF: 44.8/33

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.050+/-0.062 χ^2/NDF:34.8/31

Out: 0.072+/-0.060 χ^2/NDF:46.2/36

All: 0.013+/-0.043 χ^2/NDF: 82.9/68



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: 318.094+/-0.064 χ^2/NDF:698631.3/15

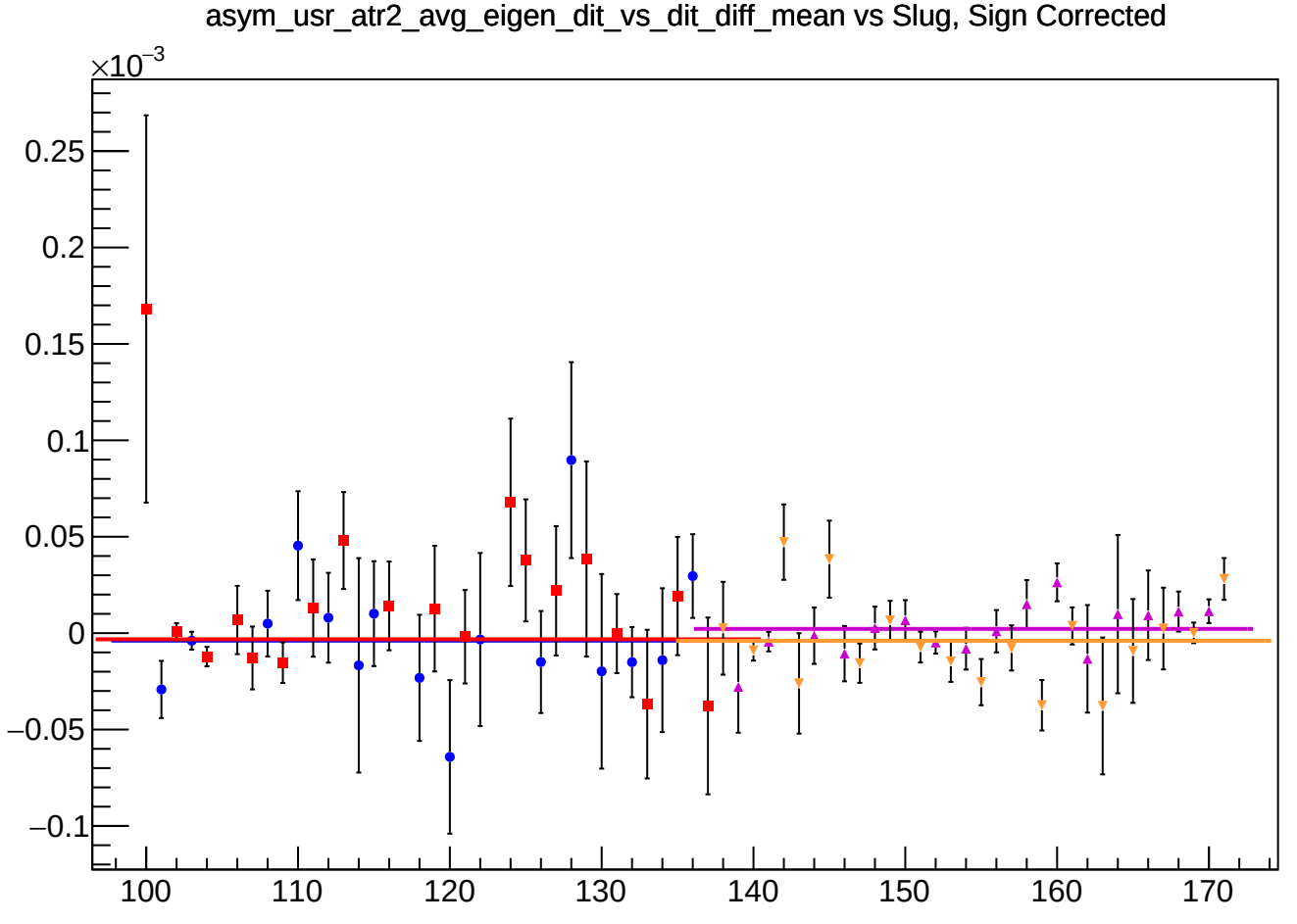
Left: 315.560+/-0.044 χ^2/NDF: 2115546.6/33

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 264.218+/-0.044 χ^2/NDF:3214991.5/31

Out: 256.252+/-0.042 χ^2/NDF:4934944.6/36

All: 260.101+/-0.030 χ^2/NDF: 8167035.0/68


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
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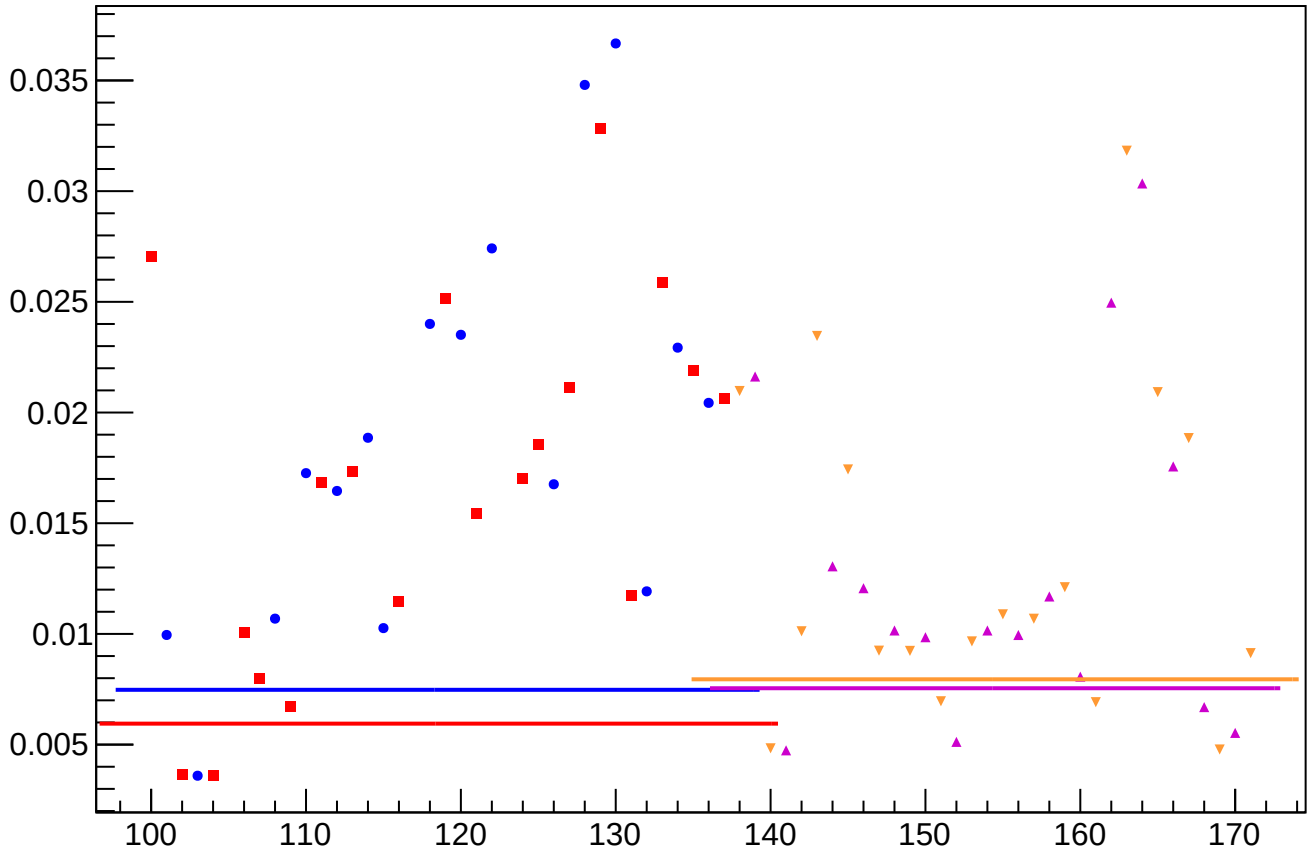
Right In: -0.000+/-0.000 χ²/NDF: 16.0/15
Left Out: -0.000+/-0.000 χ²/NDF:37.5/17
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/18
Left In: 0.000+/-0.000 χ²/NDF:17.3/15
Left: -0.000+/-0.000 χ²/NDF: 58.0/33
Right: -0.000+/-0.000 χ²/NDF: 37.6/34
In: 0.000+/-0.000 χ²/NDF:35.1/31
Out: -0.000+/-0.000 χ²/NDF:59.2/36
All: -0.000+/-0.000 χ²/NDF: 96.5/68



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: 0.008+/-0.000 χ^2/NDF:4793113.0/15

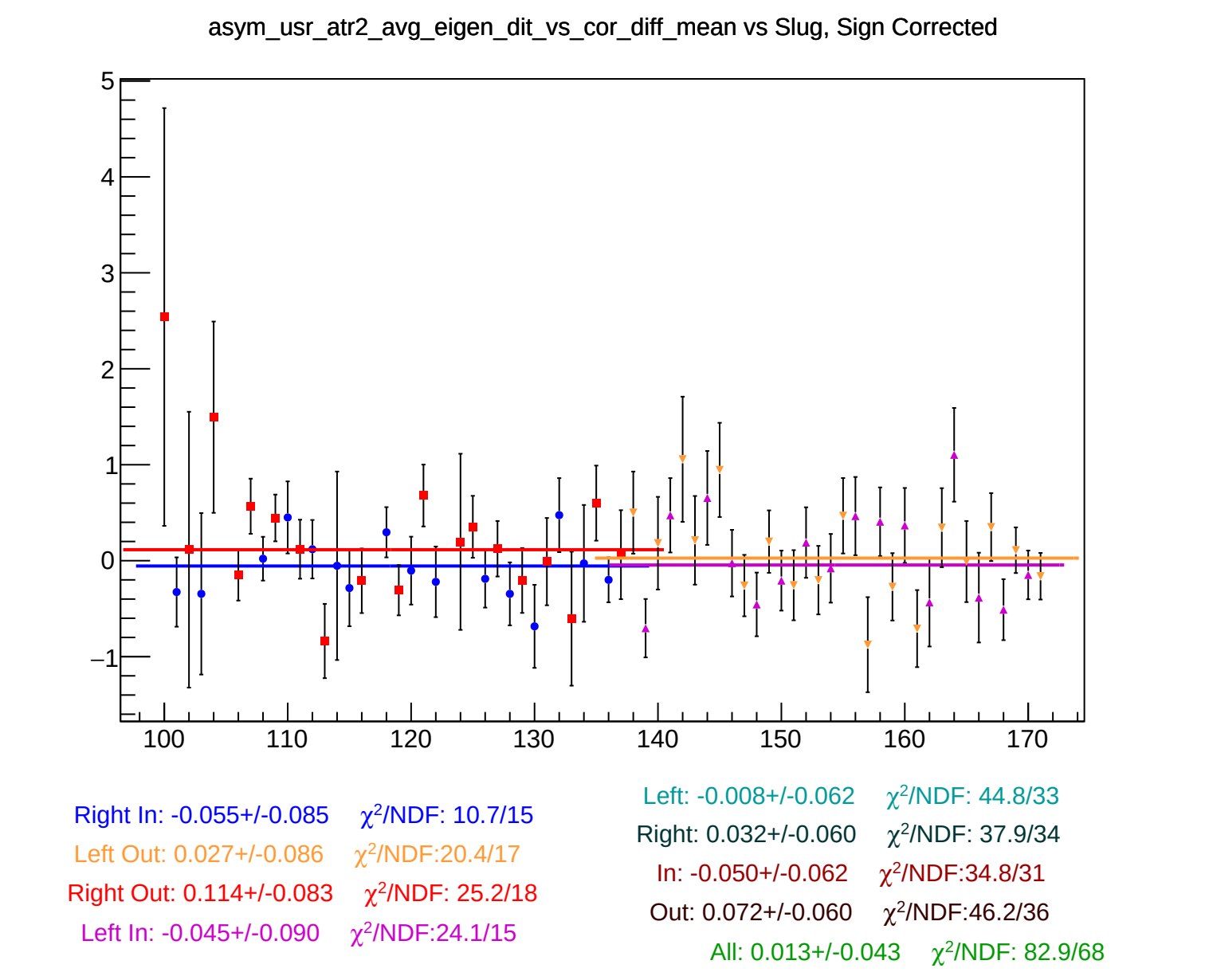
Left: 0.008+/-0.000 χ^2/NDF: 10520969.2/33

Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.008+/-0.000 χ^2/NDF:10869807.8/31

Out: 0.007+/-0.000 χ^2/NDF:12192712.8/36

All: 0.007+/-0.000 χ^2/NDF: 23106275.8/68


asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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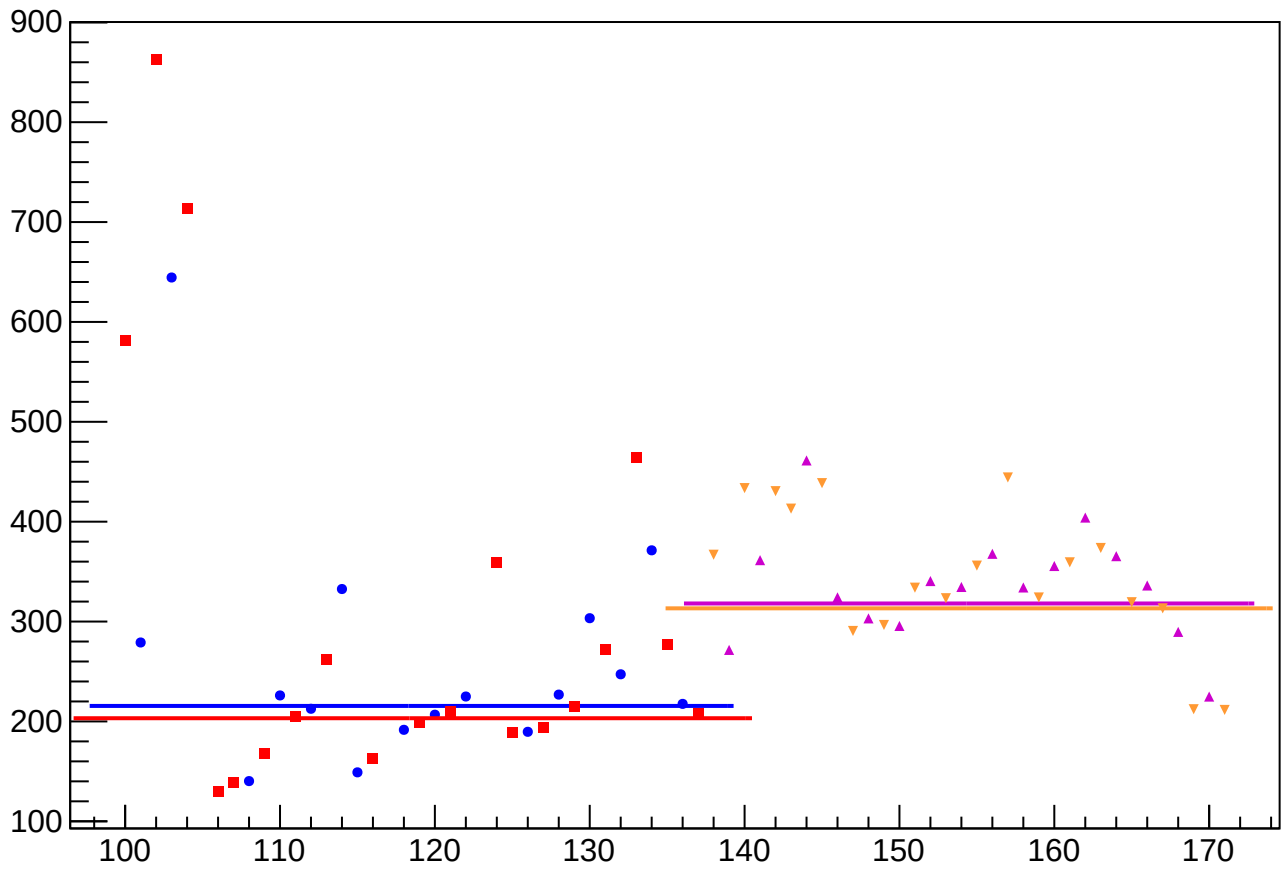
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.027+/-0.086 χ²/NDF:20.4/17
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.045+/-0.090 χ²/NDF:24.1/15
Left: -0.008+/-0.062 χ²/NDF: 44.8/33
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.050+/-0.062 χ²/NDF:34.8/31
Out: 0.072+/-0.060 χ²/NDF:46.2/36
All: 0.013+/-0.043 χ²/NDF: 82.9/68



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: 318.099+/-0.064 χ^2/NDF:698658.4/15

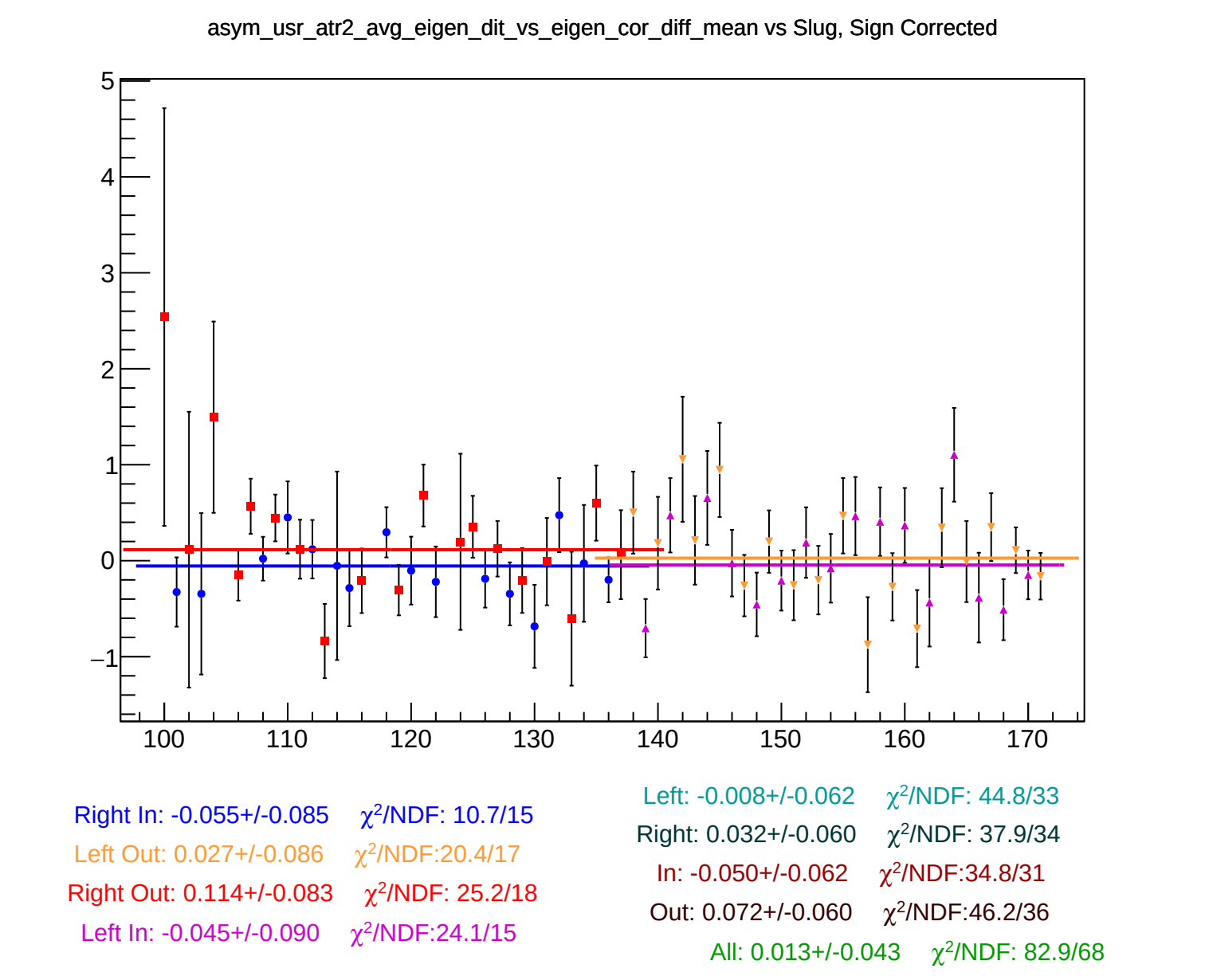
Left: 315.564+/-0.044 χ^2/NDF: 2115665.7/33

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.219+/-0.044 χ^2/NDF:3215136.3/31

Out: 256.252+/-0.042 χ^2/NDF:4935152.0/36

All: 260.101+/-0.030 χ^2/NDF: 8167390.6/68


asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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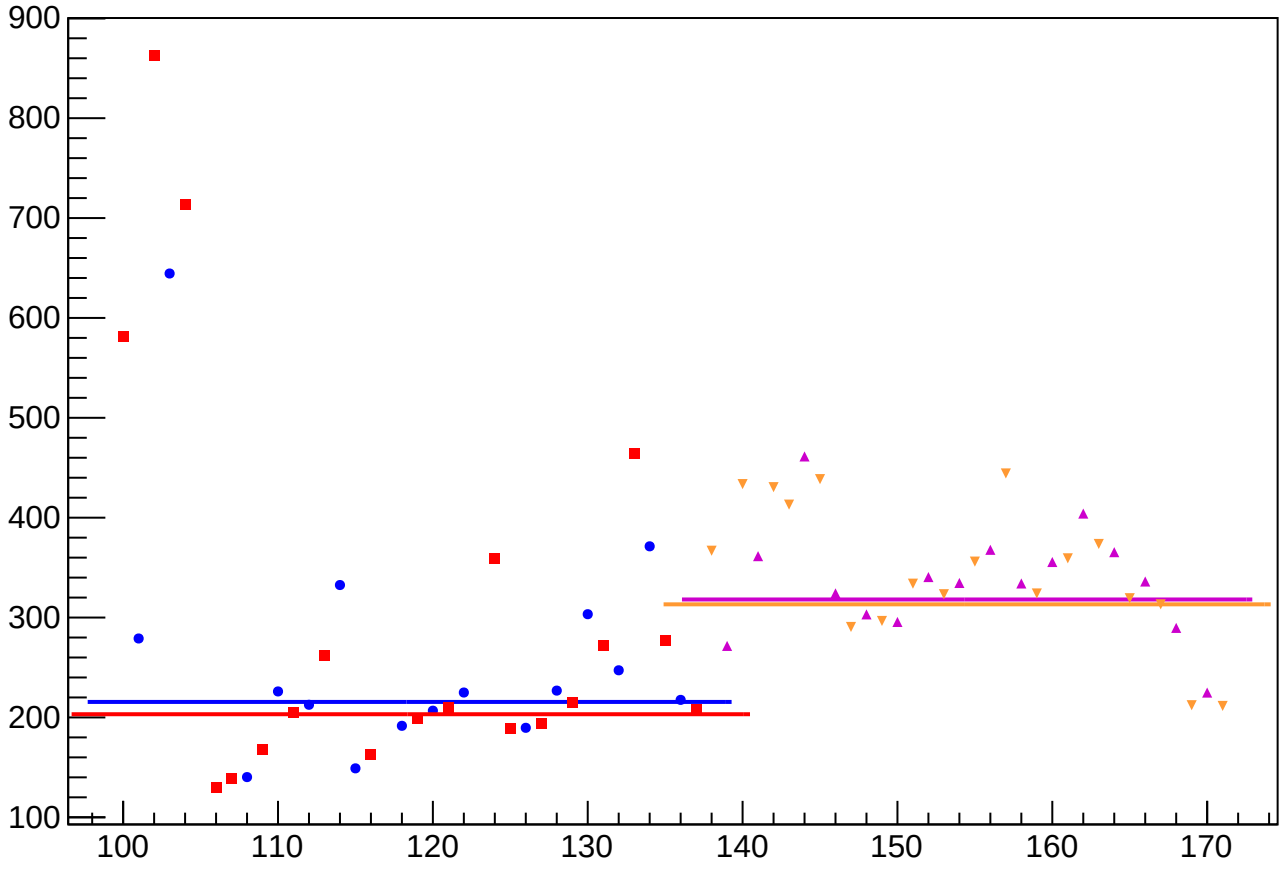
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.027+/-0.086 χ²/NDF:20.4/17
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.045+/-0.090 χ²/NDF:24.1/15
Left: -0.008+/-0.062 χ²/NDF: 44.8/33
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.050+/-0.062 χ²/NDF:34.8/31
Out: 0.072+/-0.060 χ²/NDF:46.2/36
All: 0.013+/-0.043 χ²/NDF: 82.9/68

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: 318.099+/-0.064 χ^2/NDF:698658.4/15

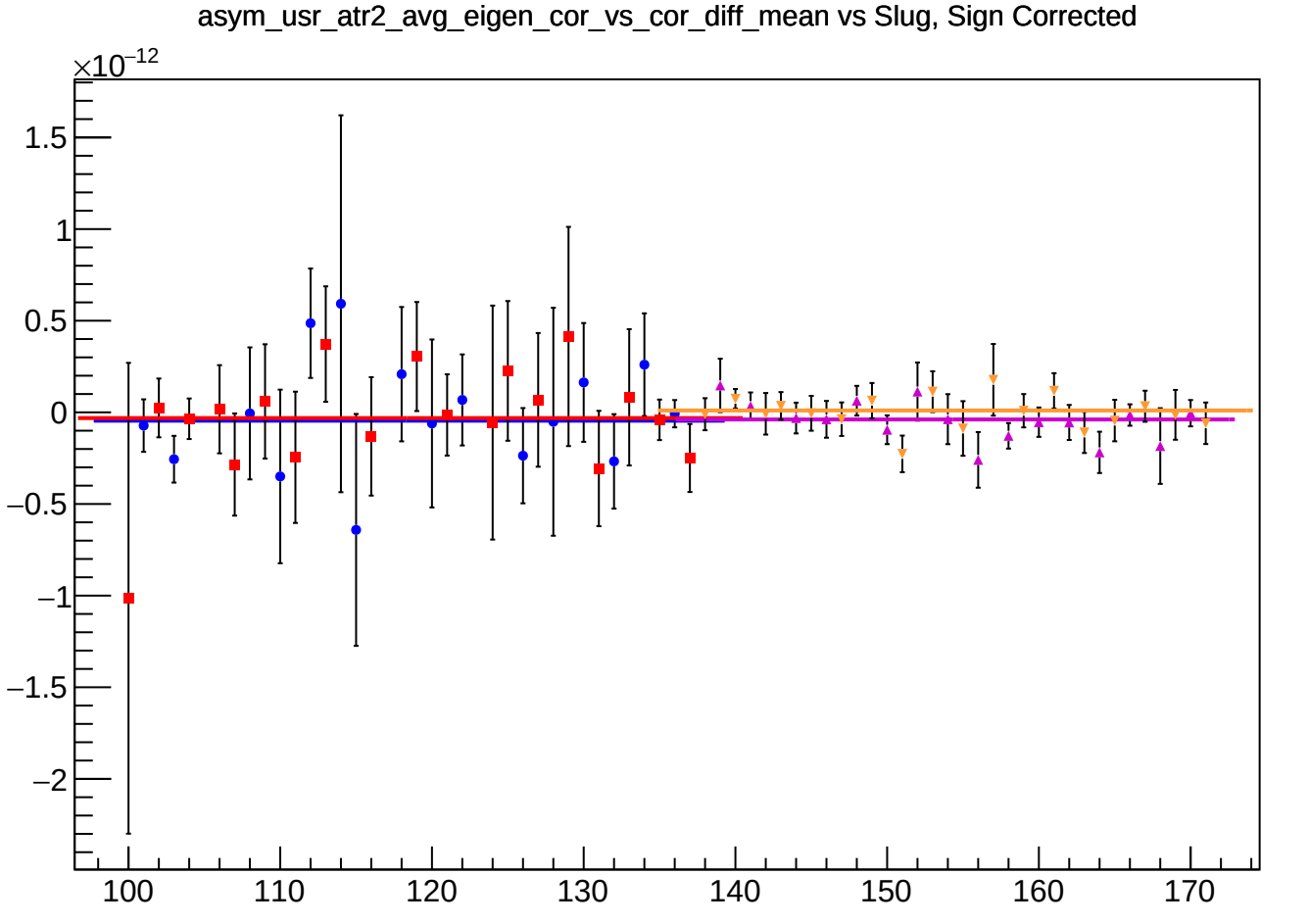
Left: 315.564+/-0.044 χ^2/NDF: 2115665.7/33

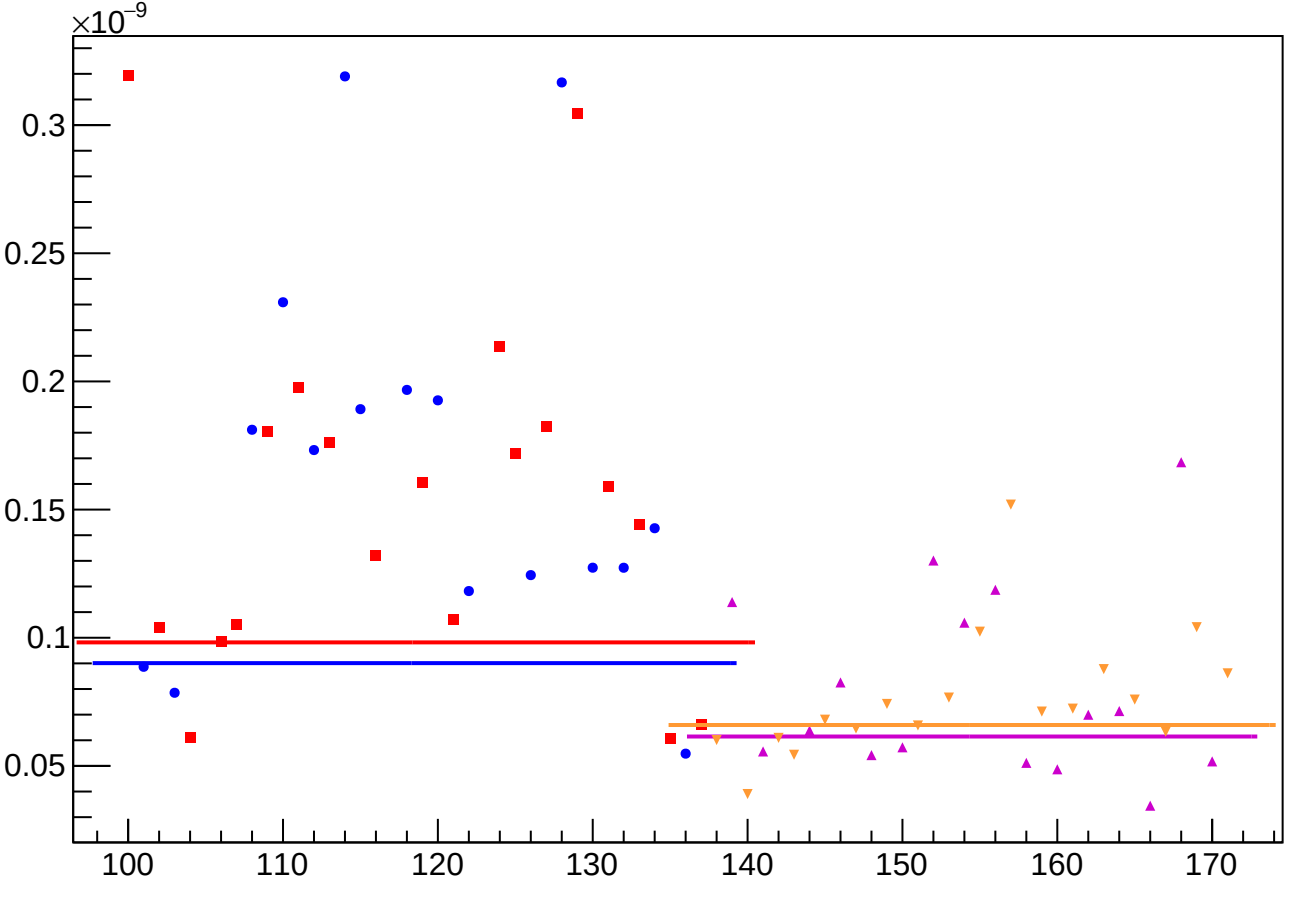
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 264.219+/-0.044 χ^2/NDF:3215136.3/31

Out: 256.252+/-0.042 χ^2/NDF:4935152.0/36

All: 260.101+/-0.030 χ^2/NDF: 8167390.6/68


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.5/15
Left Out: 0.000+/-0.000 χ²/NDF:13.0/17
Right Out: -0.000+/-0.000 χ²/NDF: 8.4/18
Left In: -0.000+/-0.000 χ²/NDF:12.9/15
Left: -0.000+/-0.000 χ²/NDF: 28.2/33
Right: -0.000+/-0.000 χ²/NDF: 19.9/34
In: -0.000+/-0.000 χ²/NDF:24.3/31
Out: 0.000+/-0.000 χ²/NDF:21.9/36
All: -0.000+/-0.000 χ²/NDF: 48.5/68



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:2380017.2/15

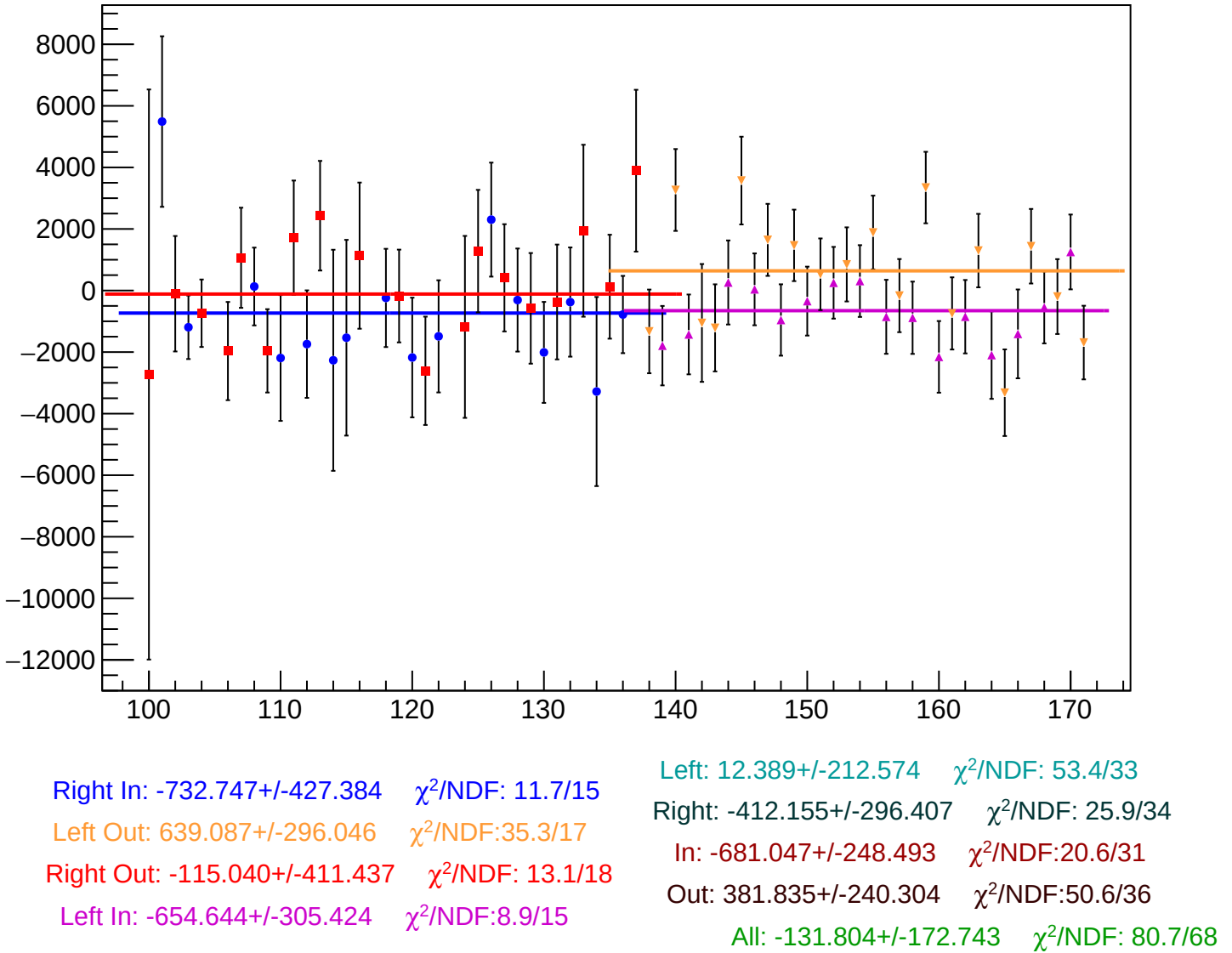
Left: 0.000+/-0.000 χ^2/NDF: 3865758.5/33

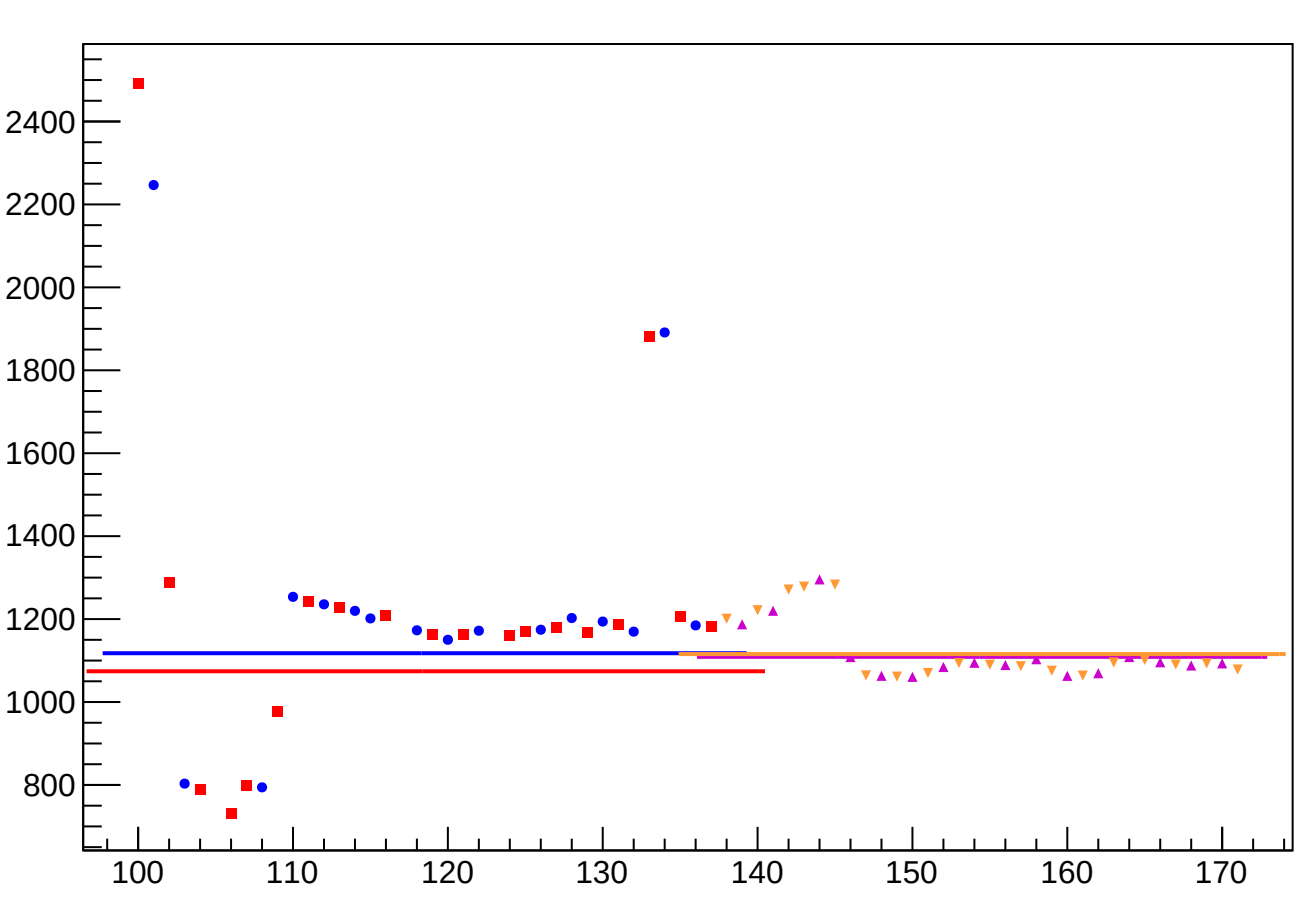
Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

In: 0.000+/-0.000 χ^2/NDF:4734015.0/31

Out: 0.000+/-0.000 χ^2/NDF:3786618.7/36

All: 0.000+/-0.000 χ^2/NDF: 8573274.1/68


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: -654.644+/-305.424 χ²/NDF:8.9/15
Left: 12.389+/-212.574 χ²/NDF: 53.4/33
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -681.047+/-248.493 χ²/NDF:20.6/31
Out: 381.835+/-240.304 χ²/NDF:50.6/36
All: -131.804+/-172.743 χ²/NDF: 80.7/68



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: 1108.967+/-0.216 χ^2/NDF:74531.7/15

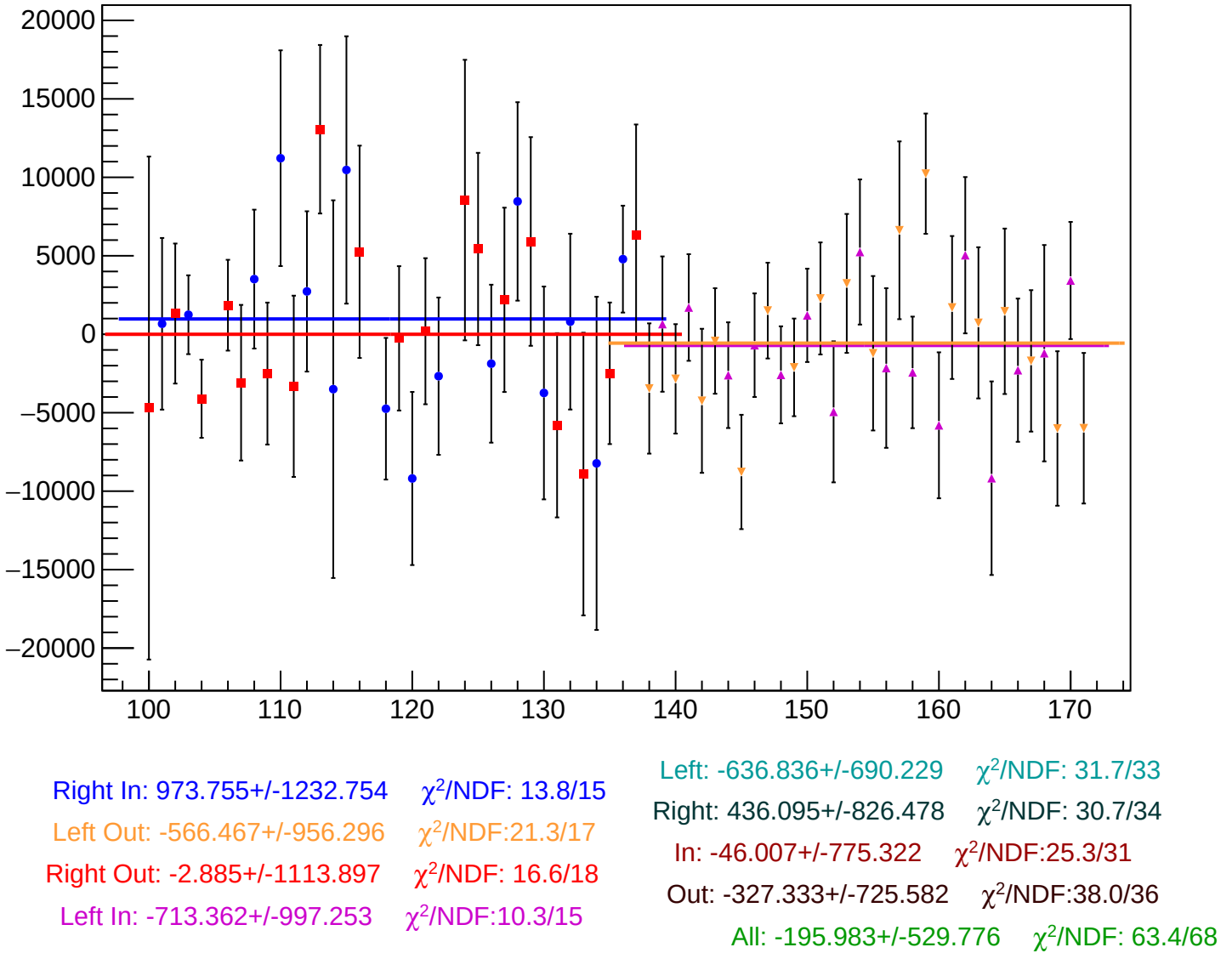
Left: 1112.398+/-0.150 χ^2/NDF: 187371.4/33

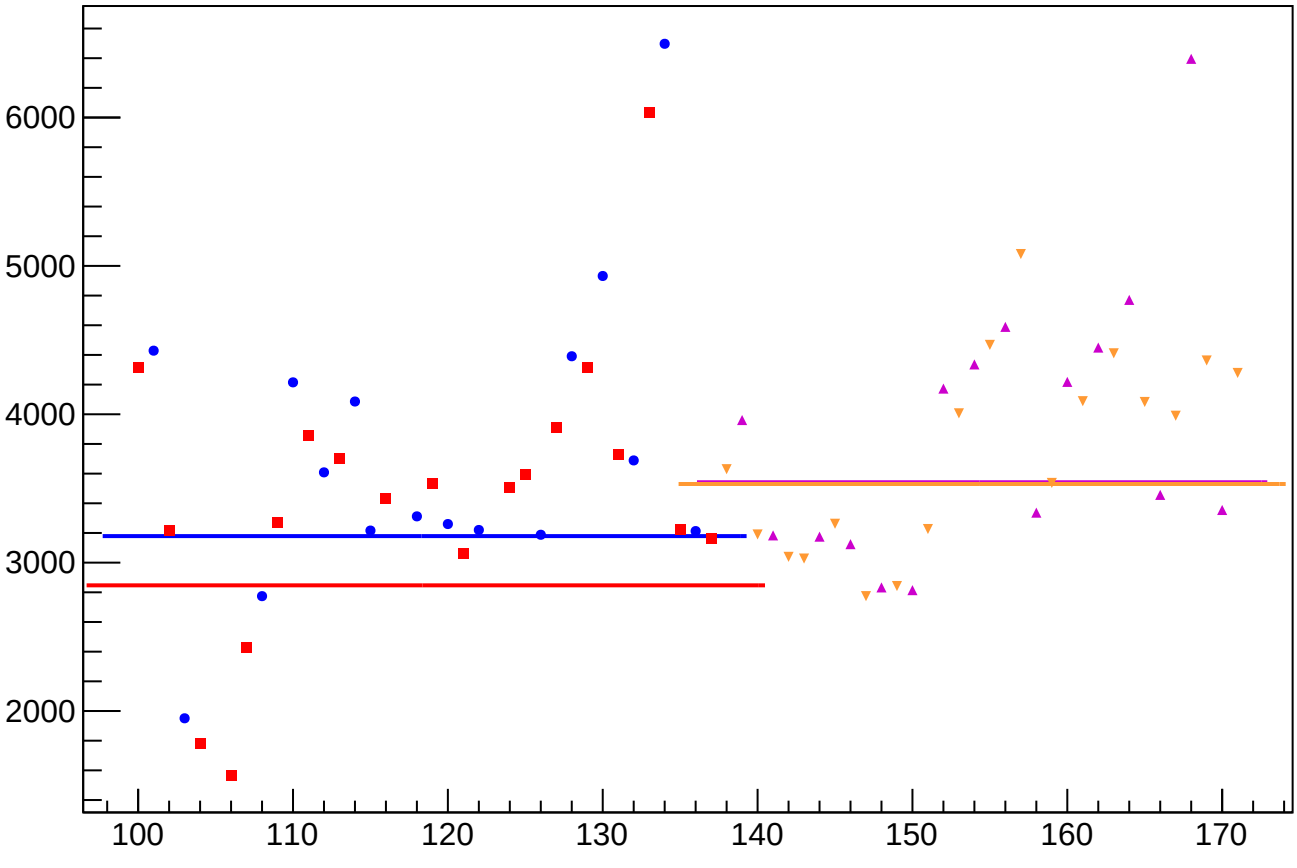
Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1111.914+/-0.176 χ^2/NDF:894917.4/31

Out: 1101.319+/-0.169 χ^2/NDF:775395.5/36

All: 1106.424+/-0.122 χ^2/NDF: 1672197.0/68


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: -713.362+/-997.253 χ²/NDF:10.3/15
Left: -636.836+/-690.229 χ²/NDF: 31.7/33
Right: 436.095+/-826.478 χ²/NDF: 30.7/34
In: -46.007+/-775.322 χ²/NDF:25.3/31
Out: -327.333+/-725.582 χ²/NDF:38.0/36
All: -195.983+/-529.776 χ²/NDF: 63.4/68



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: 3541.904+/-0.705 χ^2/NDF:1047906.4/15

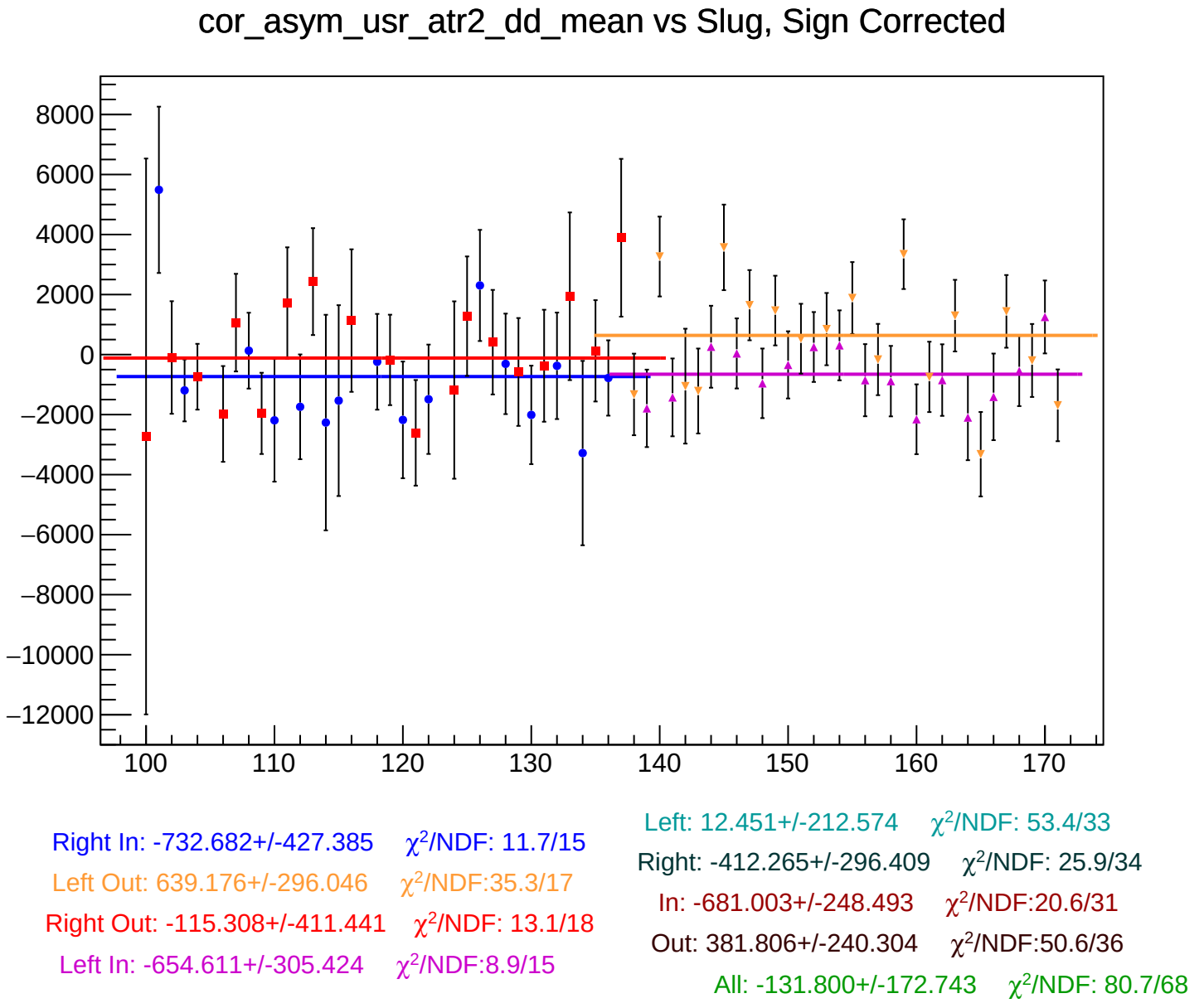
Left: 3535.721+/-0.488 χ^2/NDF: 1872531.5/33

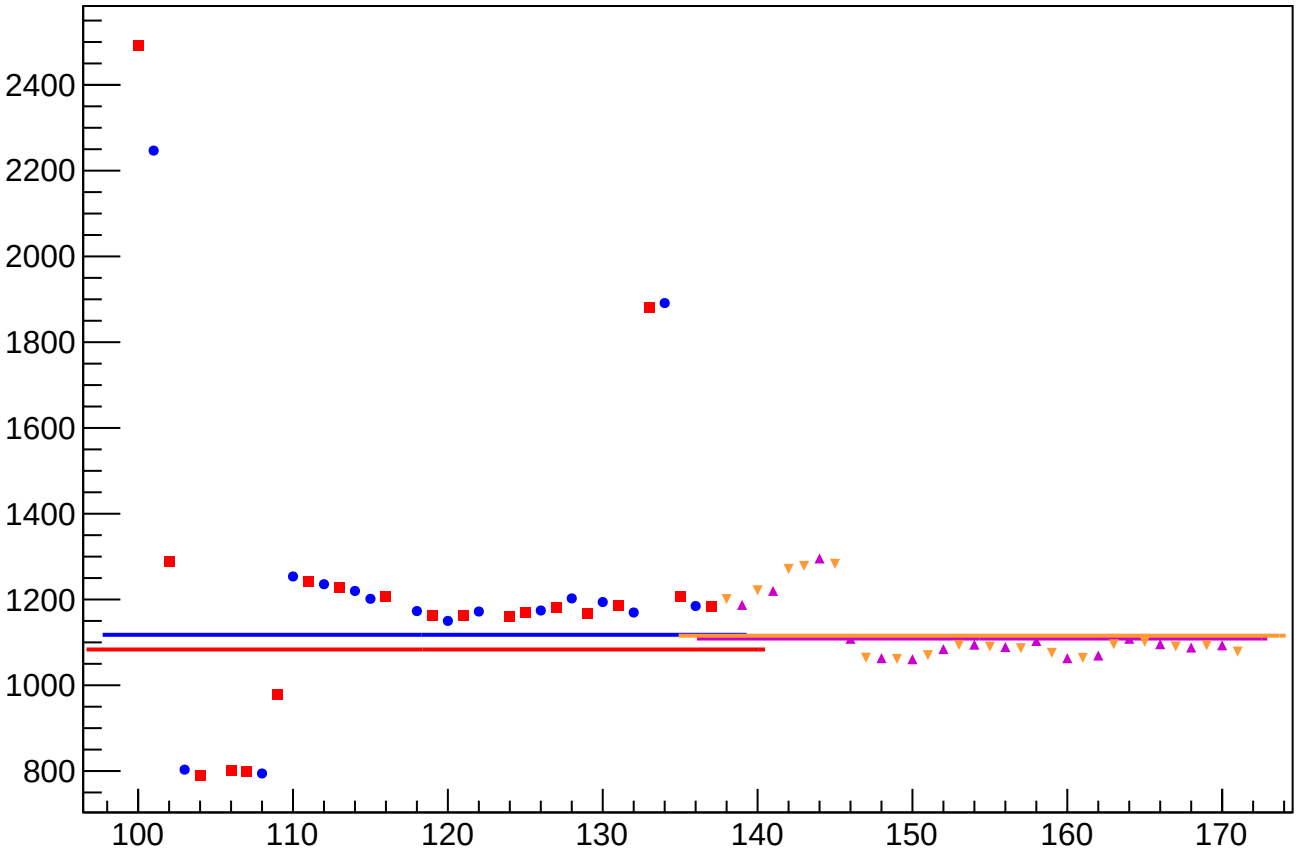
Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3398.302+/-0.548 χ^2/NDF:2244423.0/31

Out: 3240.223+/-0.513 χ^2/NDF:2768545.4/36

All: 3314.030+/-0.375 χ^2/NDF: 5057291.1/68


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: -654.611+/-305.424 χ²/NDF:8.9/15
Left: 12.451+/-212.574 χ²/NDF: 53.4/33
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -681.003+/-248.493 χ²/NDF:20.6/31
Out: 381.806+/-240.304 χ²/NDF:50.6/36
All: -131.800+/-172.743 χ²/NDF: 80.7/68



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: 1108.967+/-0.216 χ^2/NDF:74531.7/15

Left: 1112.398+/-0.150 χ^2/NDF: 187371.4/33

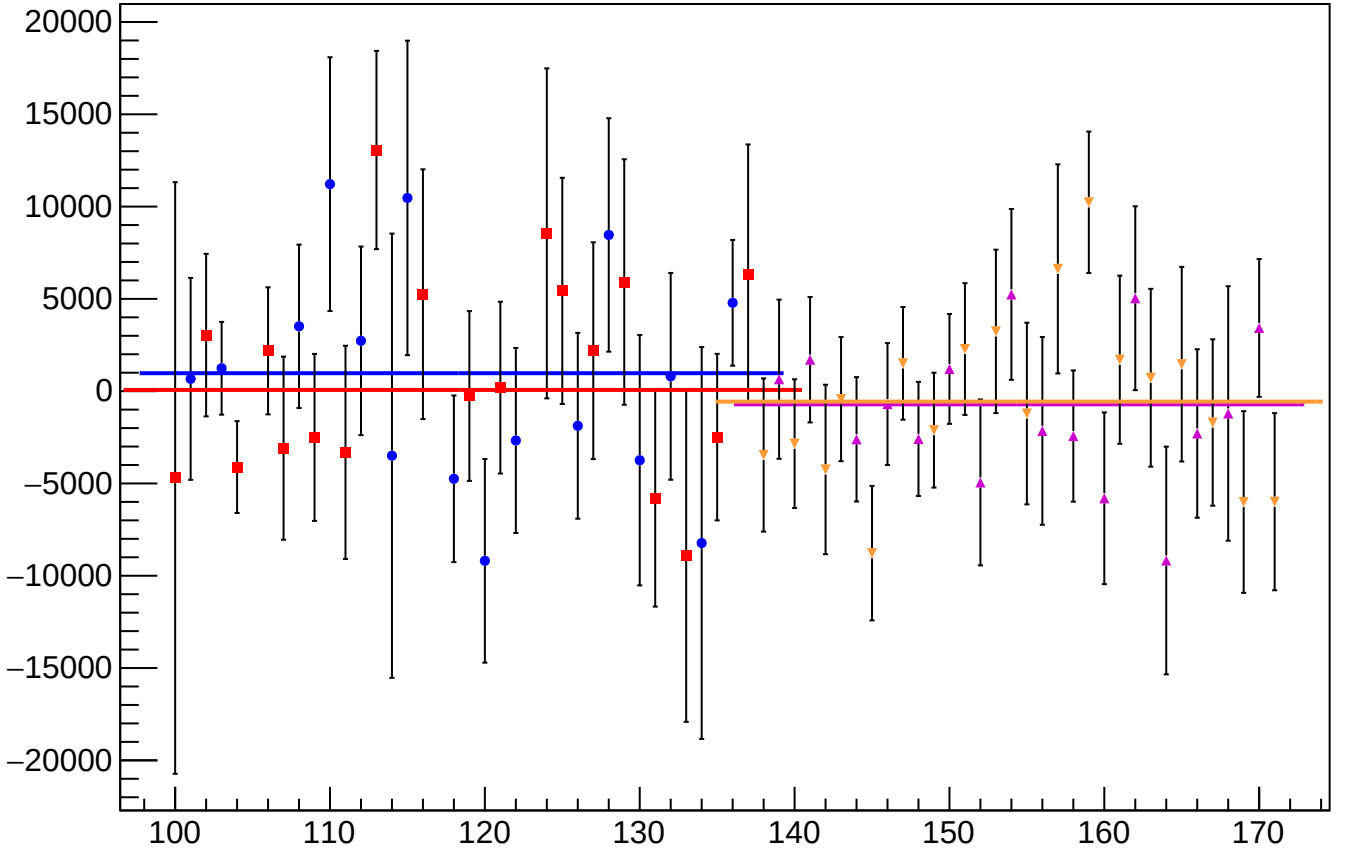
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1111.914+/-0.176 χ^2/NDF:894914.1/31

Out: 1104.610+/-0.170 χ^2/NDF:715458.7/36

All: 1108.137+/-0.122 χ^2/NDF: 1611266.5/68

asym_usr_atr2_dd_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: -713.370+/-997.253 χ^2/NDF:10.3/15

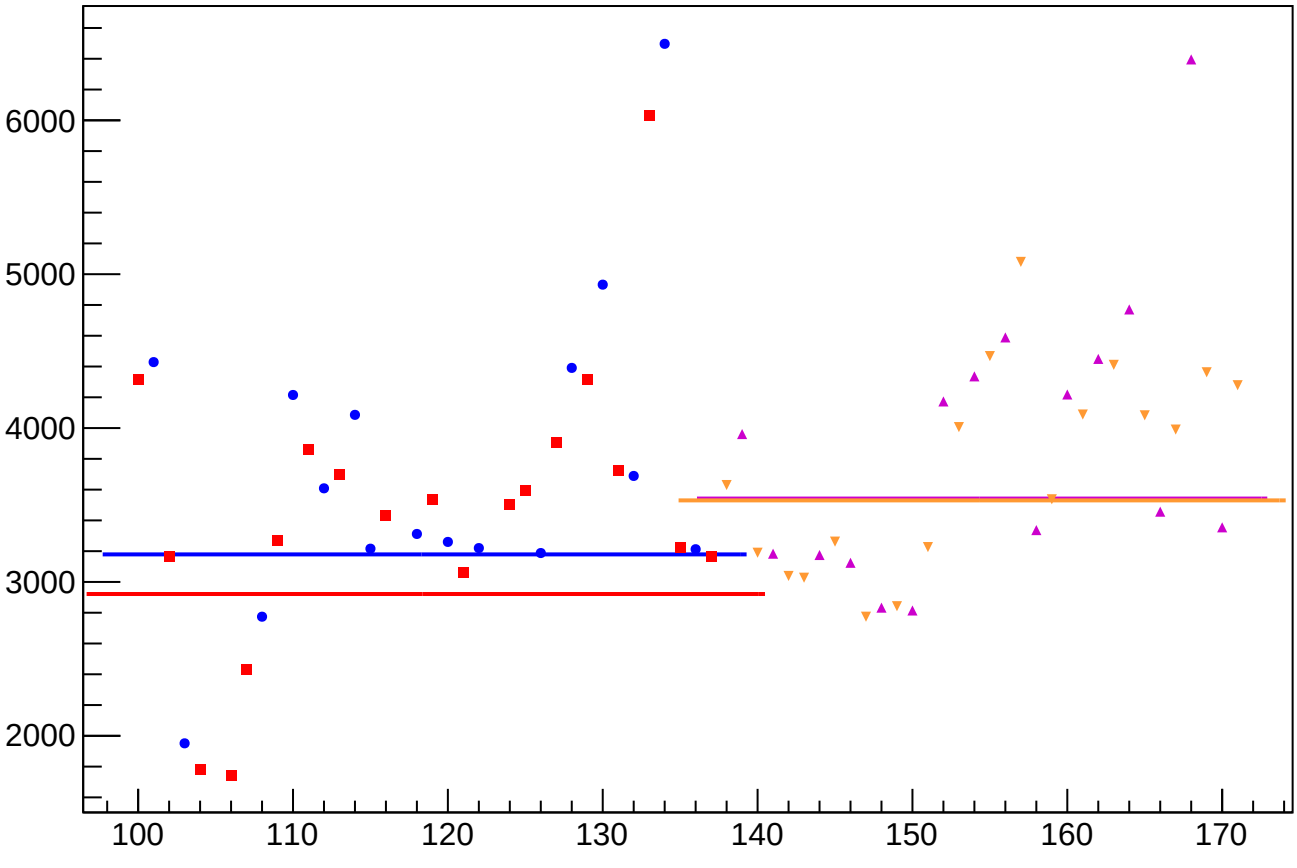
Left: -636.844+/-690.228 χ^2/NDF: 31.7/33

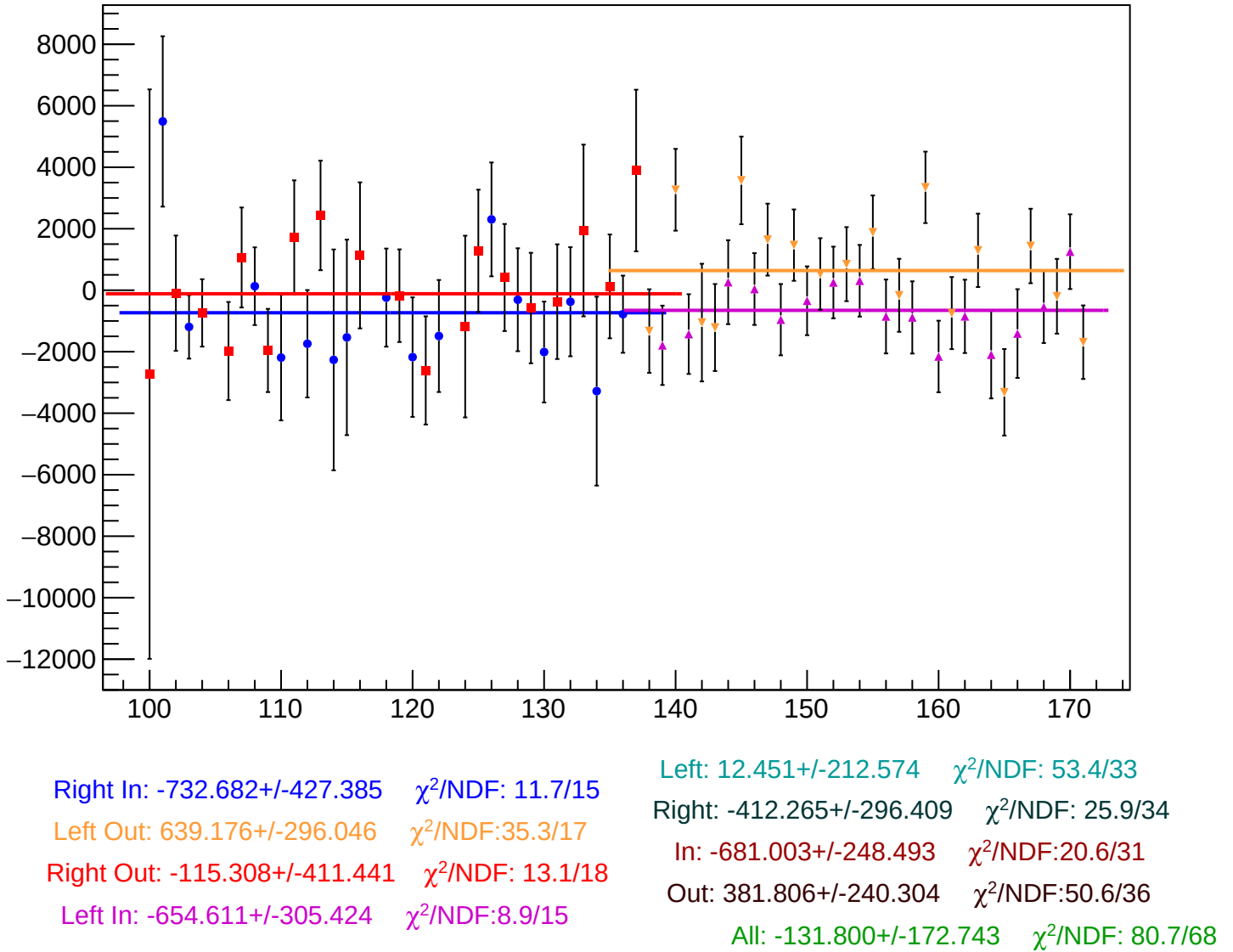
Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: -46.242+/-775.334 χ^2/NDF:25.3/31

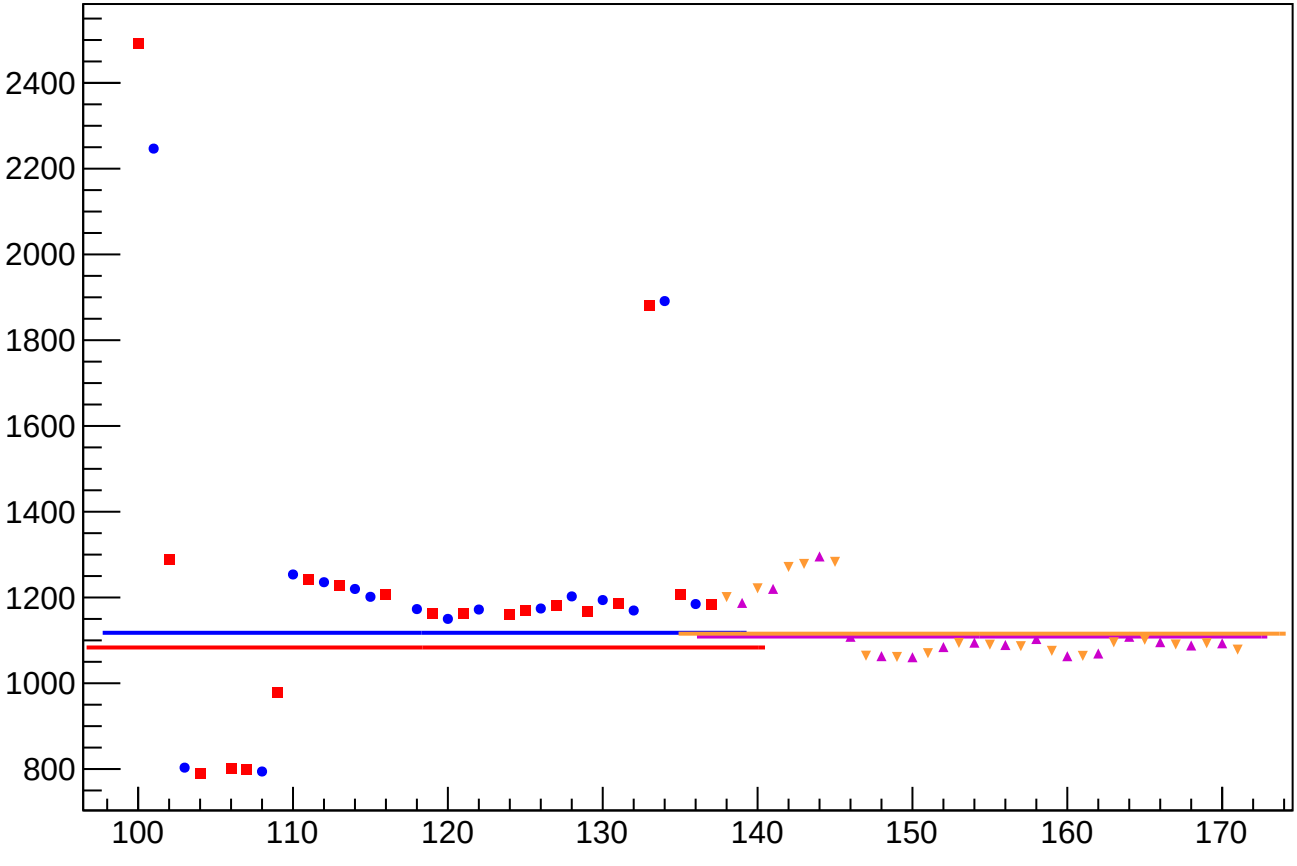
Out: -304.212+/-732.092 χ^2/NDF:38.4/36

All: -182.621+/-532.298 χ^2/NDF: 63.8/68


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: 3541.901+/-0.705 χ²/NDF:1047910.3/15
Left: 3535.717+/-0.488 χ²/NDF: 1872537.9/33
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3398.381+/-0.548 χ²/NDF:2243873.6/31
Out: 3278.199+/-0.518 χ²/NDF:2472443.5/36
All: 3334.845+/-0.376 χ²/NDF: 4741721.6/68


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
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: -654.611+/-305.424 χ²/NDF:8.9/15
Left: 12.451+/-212.574 χ²/NDF: 53.4/33
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -681.003+/-248.493 χ²/NDF:20.6/31
Out: 381.806+/-240.304 χ²/NDF:50.6/36
All: -131.800+/-172.743 χ²/NDF: 80.7/68

eigen_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: 1108.967+/-0.216 χ^2/NDF:74531.7/15

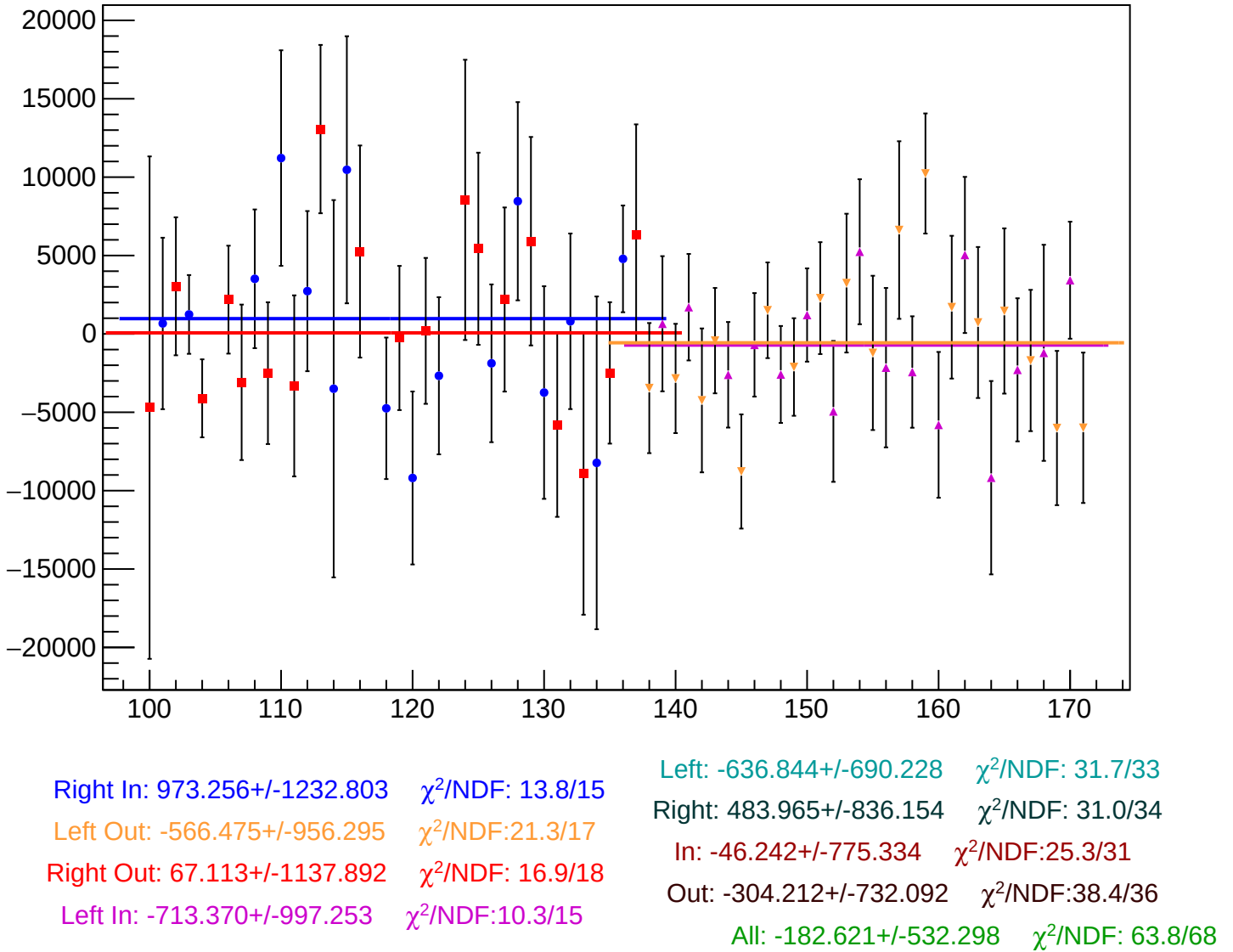
Left: 1112.398+/-0.150 χ^2/NDF: 187371.4/33

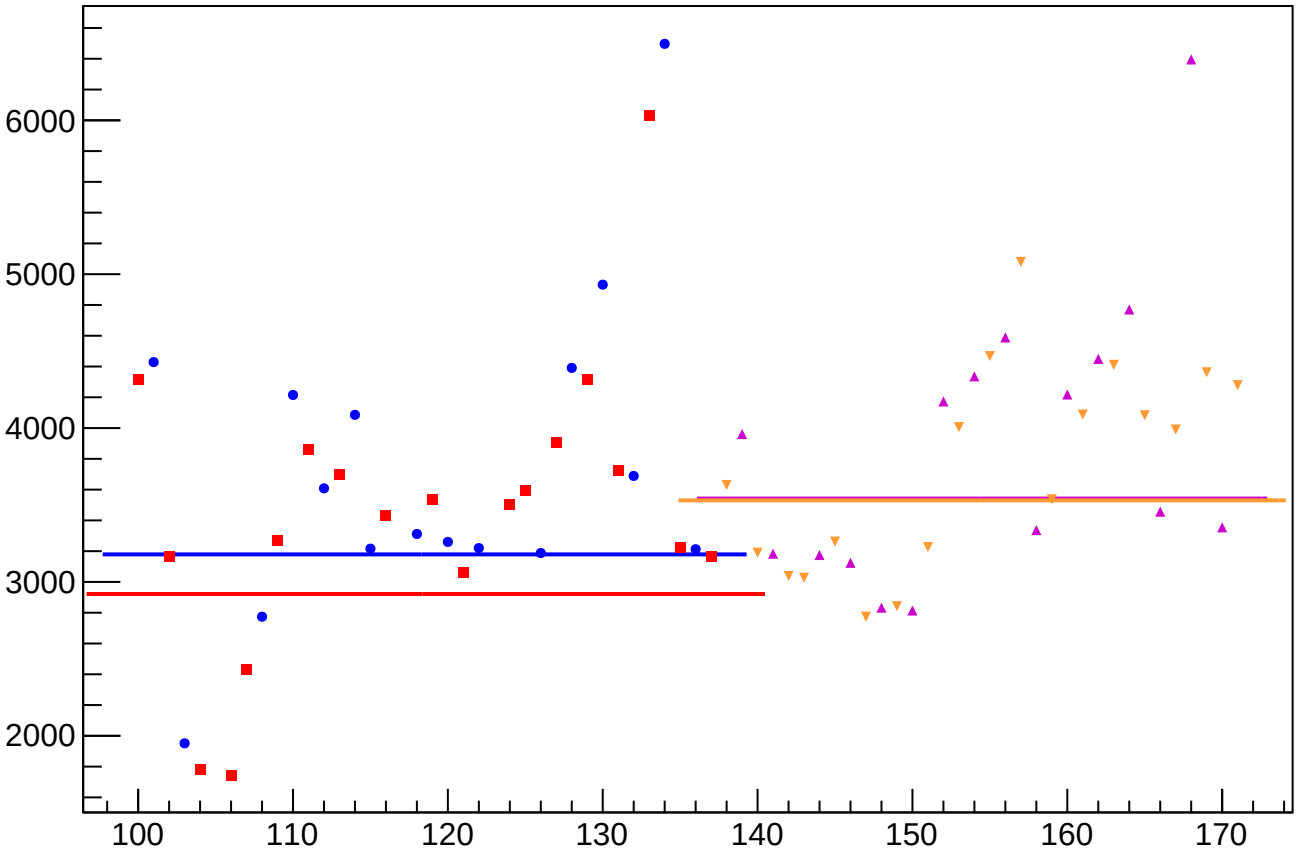
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1111.914+/-0.176 χ^2/NDF:894914.1/31

Out: 1104.610+/-0.170 χ^2/NDF:715458.7/36

All: 1108.137+/-0.122 χ^2/NDF: 1611266.5/68


asym_usr_atr2_dd_eigen_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: -713.370+/-997.253 χ²/NDF:10.3/15
Left: -636.844+/-690.228 χ²/NDF: 31.7/33
Right: 483.965+/-836.154 χ²/NDF: 31.0/34
In: -46.242+/-775.334 χ²/NDF:25.3/31
Out: -304.212+/-732.092 χ²/NDF:38.4/36
All: -182.621+/-532.298 χ²/NDF: 63.8/68



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3530.031+/-0.676 χ^2/NDF:824480.0/17

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3541.901+/-0.705 χ^2/NDF:1047910.3/15

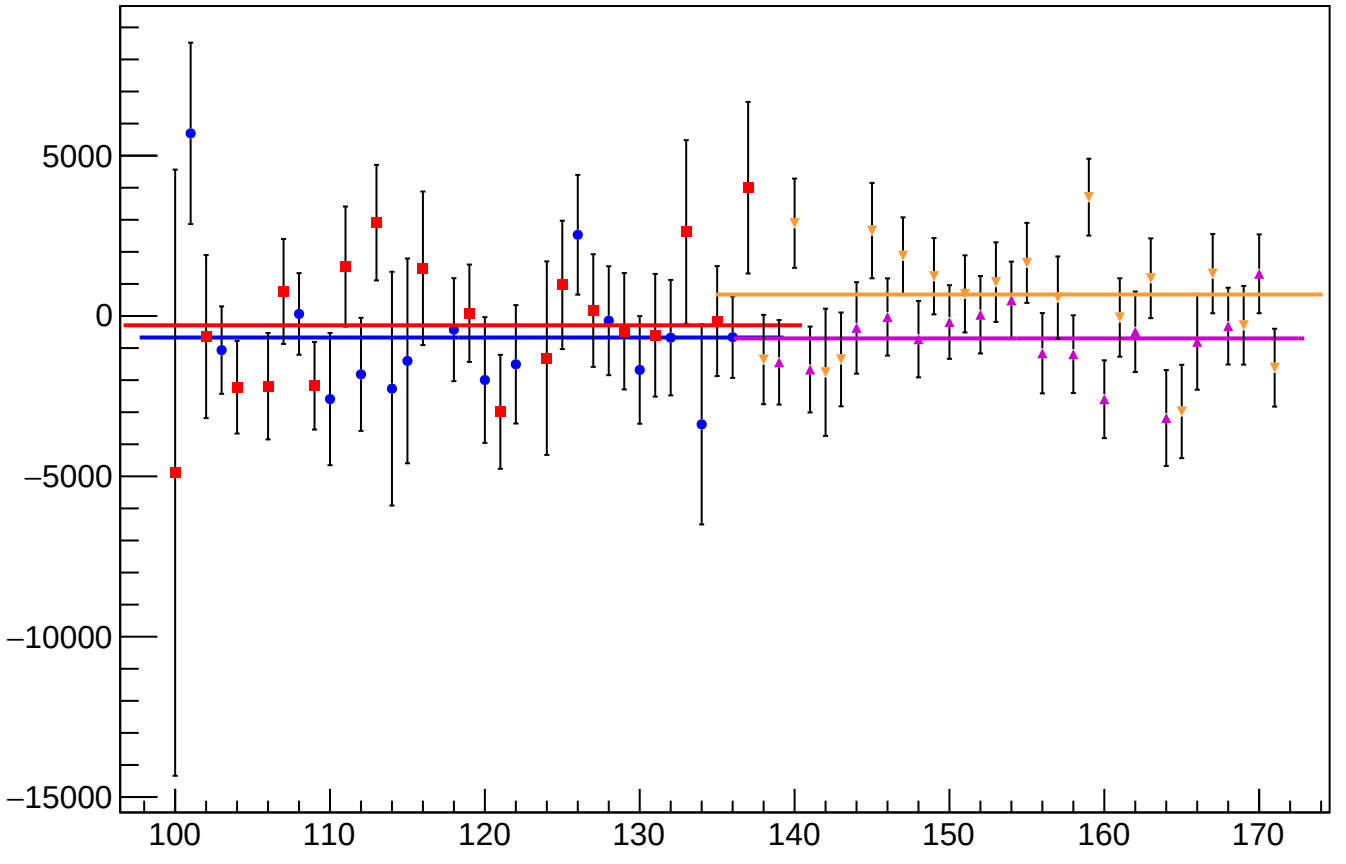
Left: 3535.717+/-0.488 χ^2/NDF: 1872537.9/33

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3398.381+/-0.548 χ^2/NDF:2243873.6/31

Out: 3278.199+/-0.518 χ^2/NDF:2472443.5/36

All: 3334.845+/-0.376 χ^2/NDF: 4741721.6/68



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: -698.914+/-315.647 χ^2/NDF:11.1/15

Left: 7.247+/-219.698 χ^2/NDF: 50.3/33

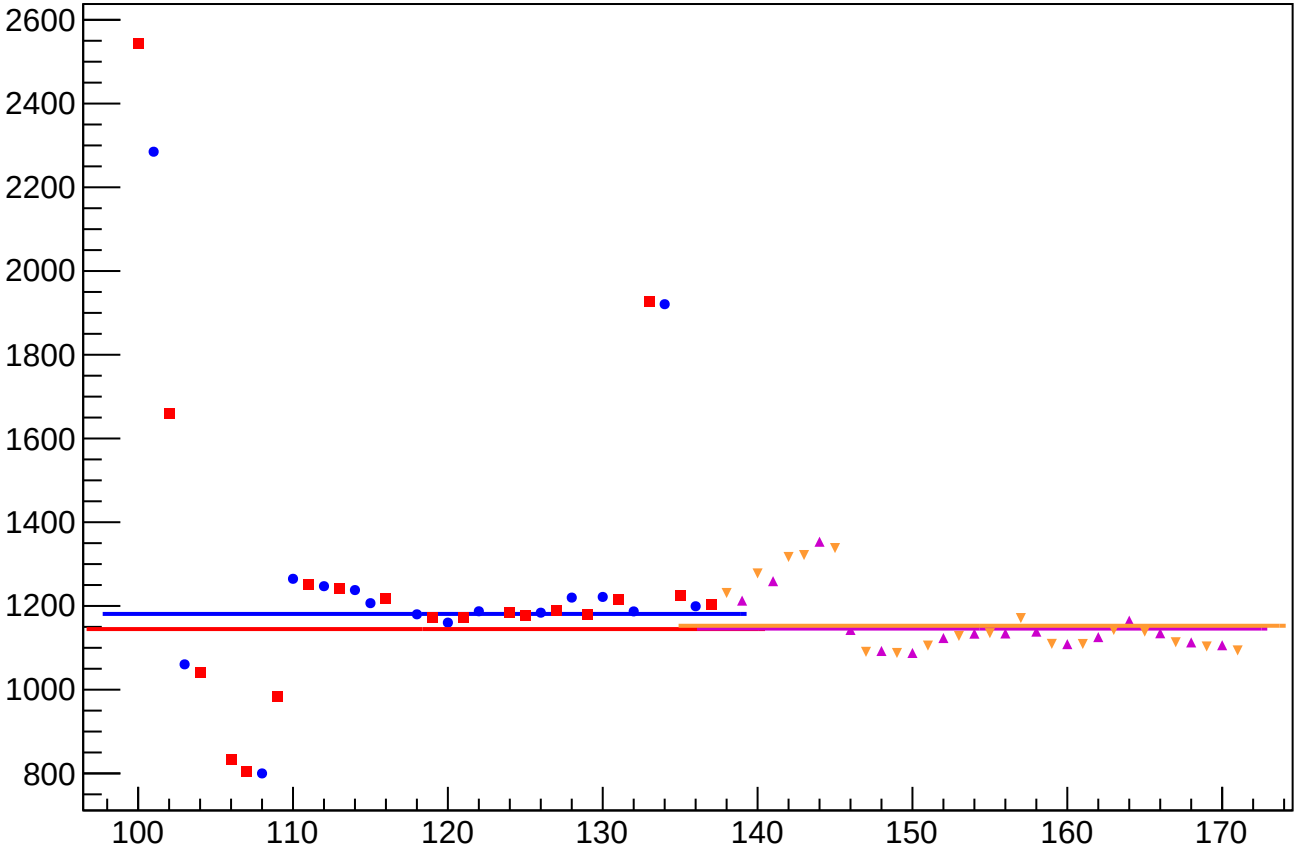
Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -689.608+/-258.129 χ^2/NDF:22.9/31

Out: 352.113+/-250.157 χ^2/NDF:49.7/36

All: -152.414+/-179.640 χ^2/NDF: 81.0/68

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: 1145.912+/-0.223 χ^2/NDF:78529.6/15

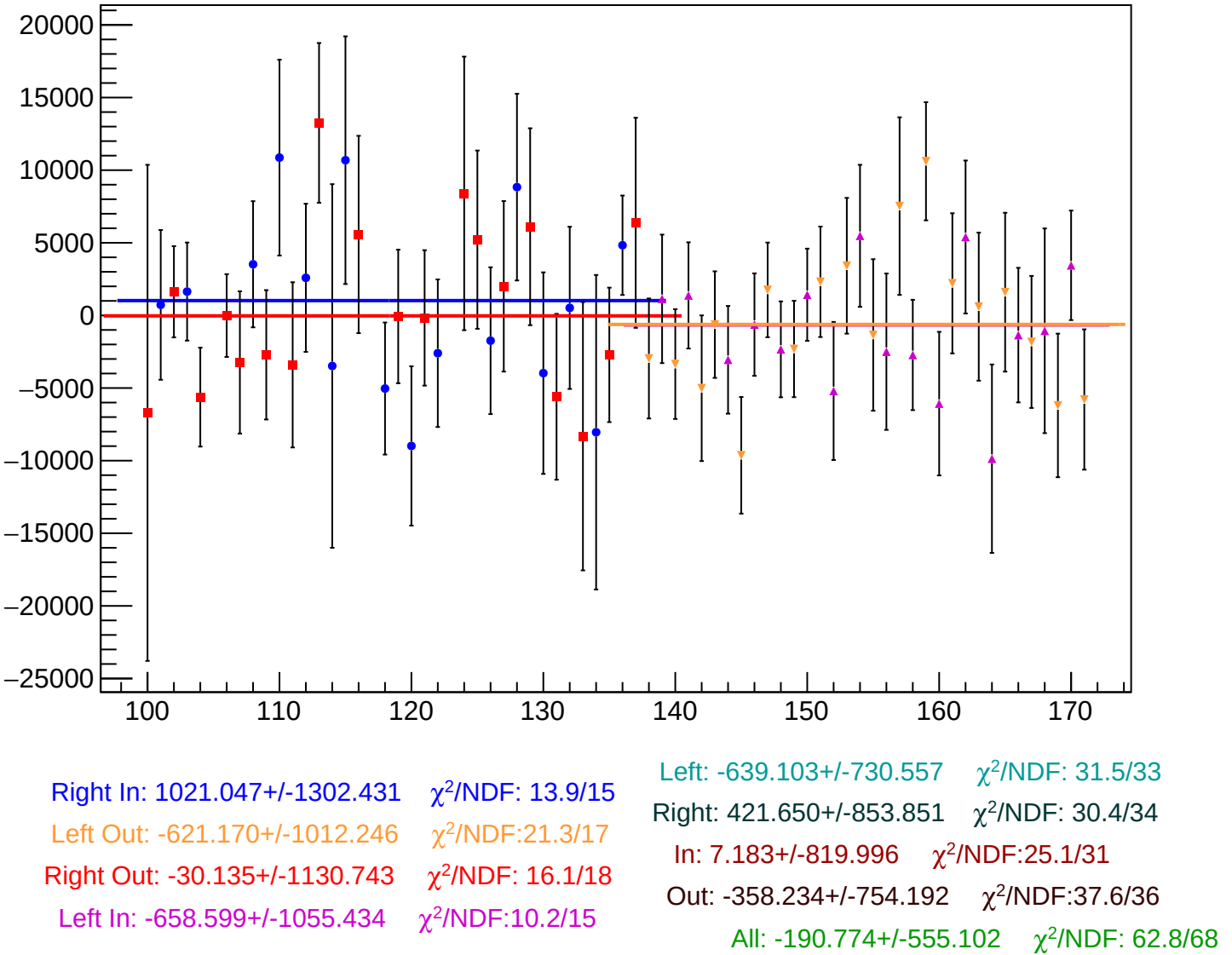
Left: 1149.405+/-0.155 χ^2/NDF: 204523.2/33

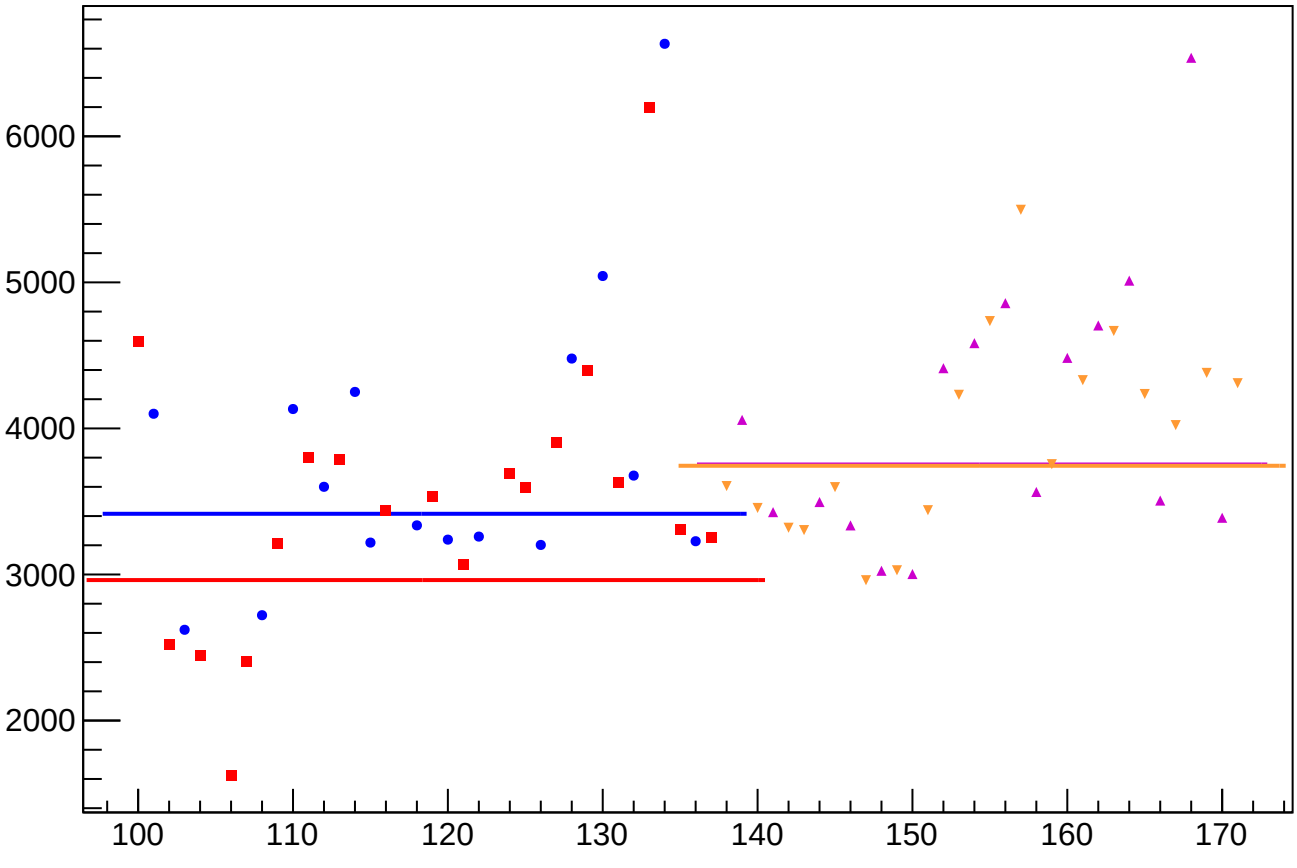
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

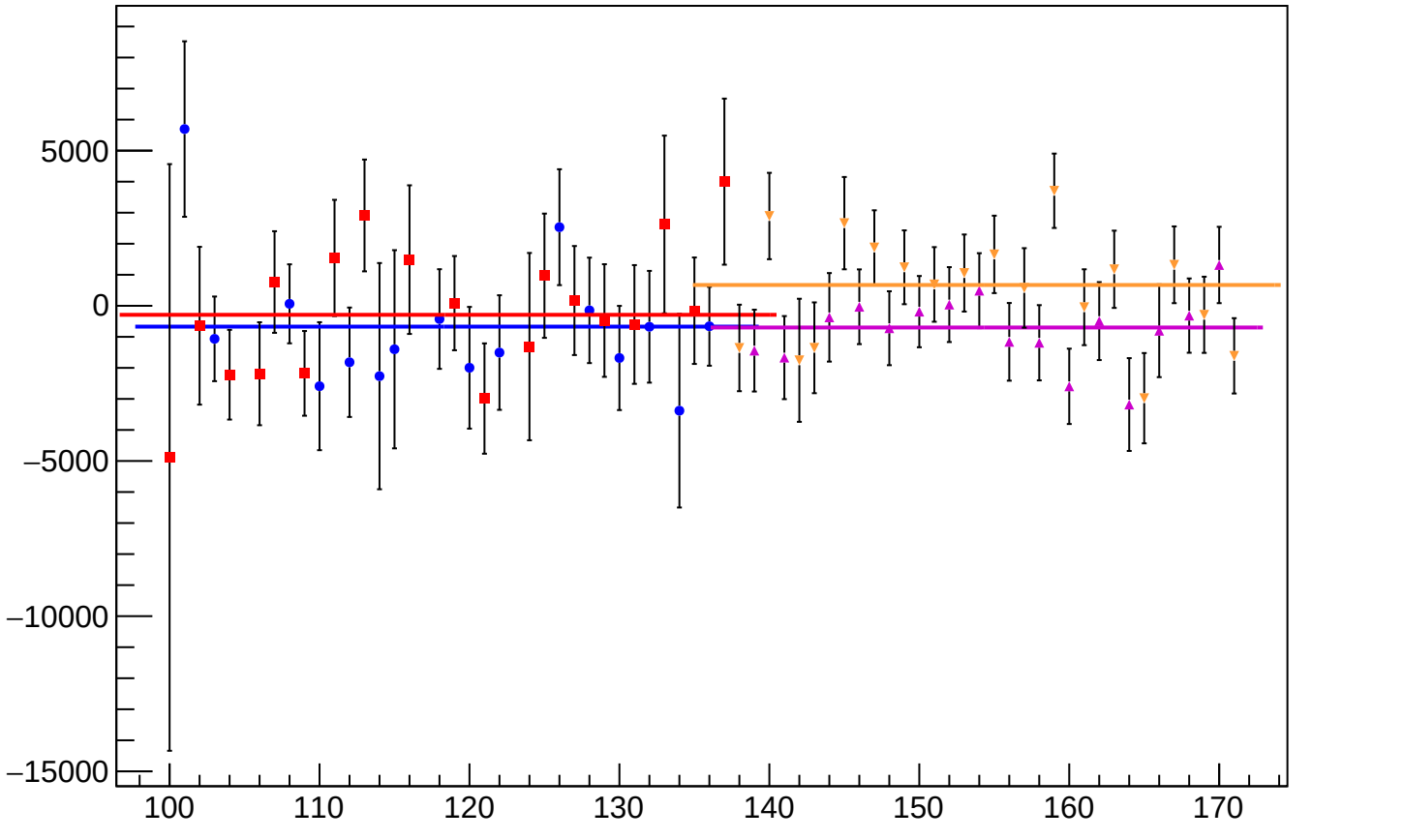
In: 1157.520+/-0.183 χ^2/NDF:708573.9/31

Out: 1150.063+/-0.177 χ^2/NDF:623692.6/36

All: 1153.674+/-0.127 χ^2/NDF: 1333127.3/68


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: -658.599+/-1055.434 χ²/NDF:10.2/15
Left: -639.103+/-730.557 χ²/NDF: 31.5/33
Right: 421.650+/-853.851 χ²/NDF: 30.4/34
In: 7.183+/-819.996 χ²/NDF:25.1/31
Out: -358.234+/-754.192 χ²/NDF:37.6/36
All: -190.774+/-555.102 χ²/NDF: 62.8/68


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: 3753.037+/-0.746 χ²/NDF:978037.9/15
Left: 3748.512+/-0.517 χ²/NDF: 1696784.4/33
Right: 3156.834+/-0.604 χ²/NDF: 1900046.9/34
In: 3619.281+/-0.580 χ²/NDF:1651418.6/31
Out: 3396.213+/-0.533 χ²/NDF:2419698.0/36
All: 3498.438+/-0.393 χ²/NDF: 4151296.1/68



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: -698.915+/-315.648 χ^2/NDF:11.1/15

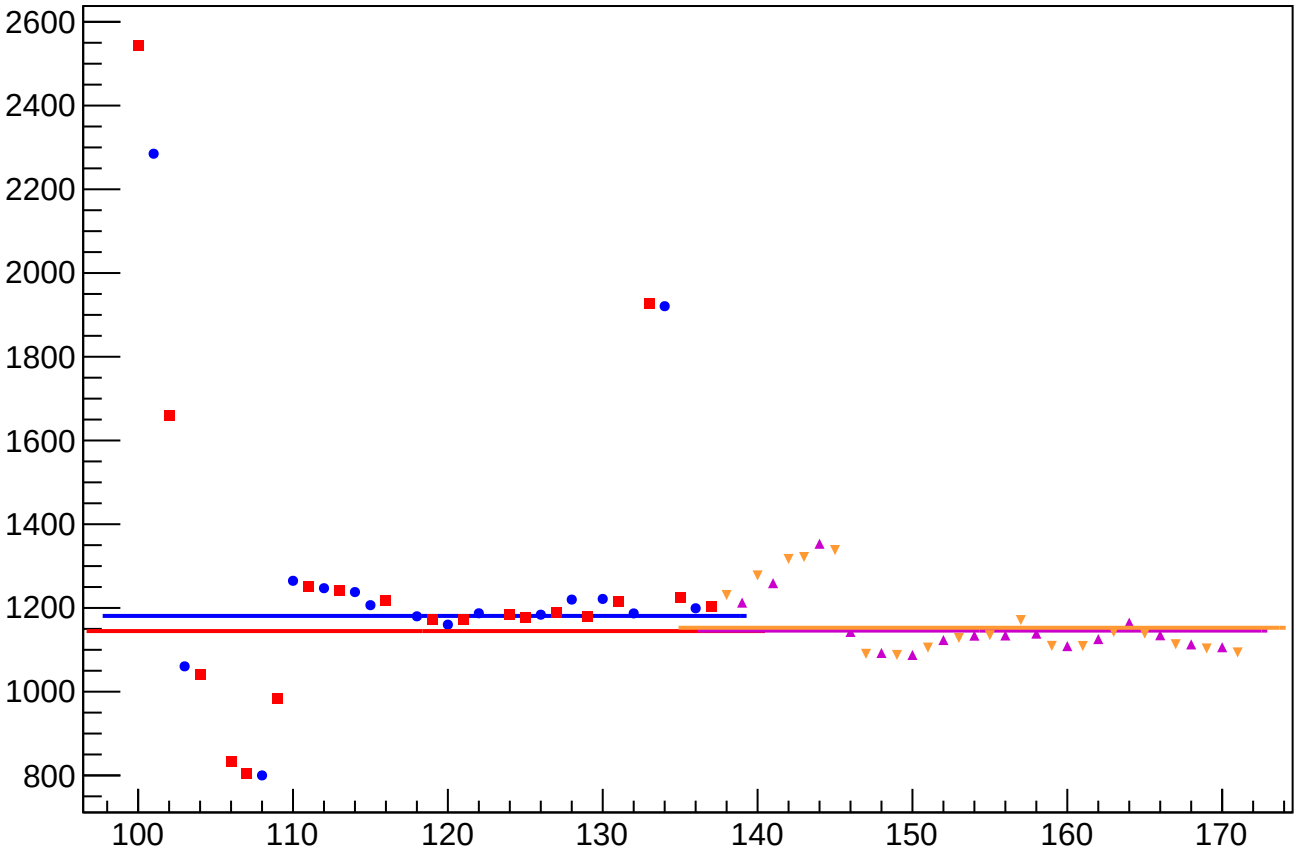
Left: 7.249+/-219.698 χ^2/NDF: 50.3/33

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -689.610+/-258.129 χ^2/NDF:22.9/31

Out: 352.115+/-250.157 χ^2/NDF:49.7/36

All: -152.414+/-179.640 χ^2/NDF: 81.0/68



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: 1145.913+/-0.223 χ^2/NDF:78529.1/15

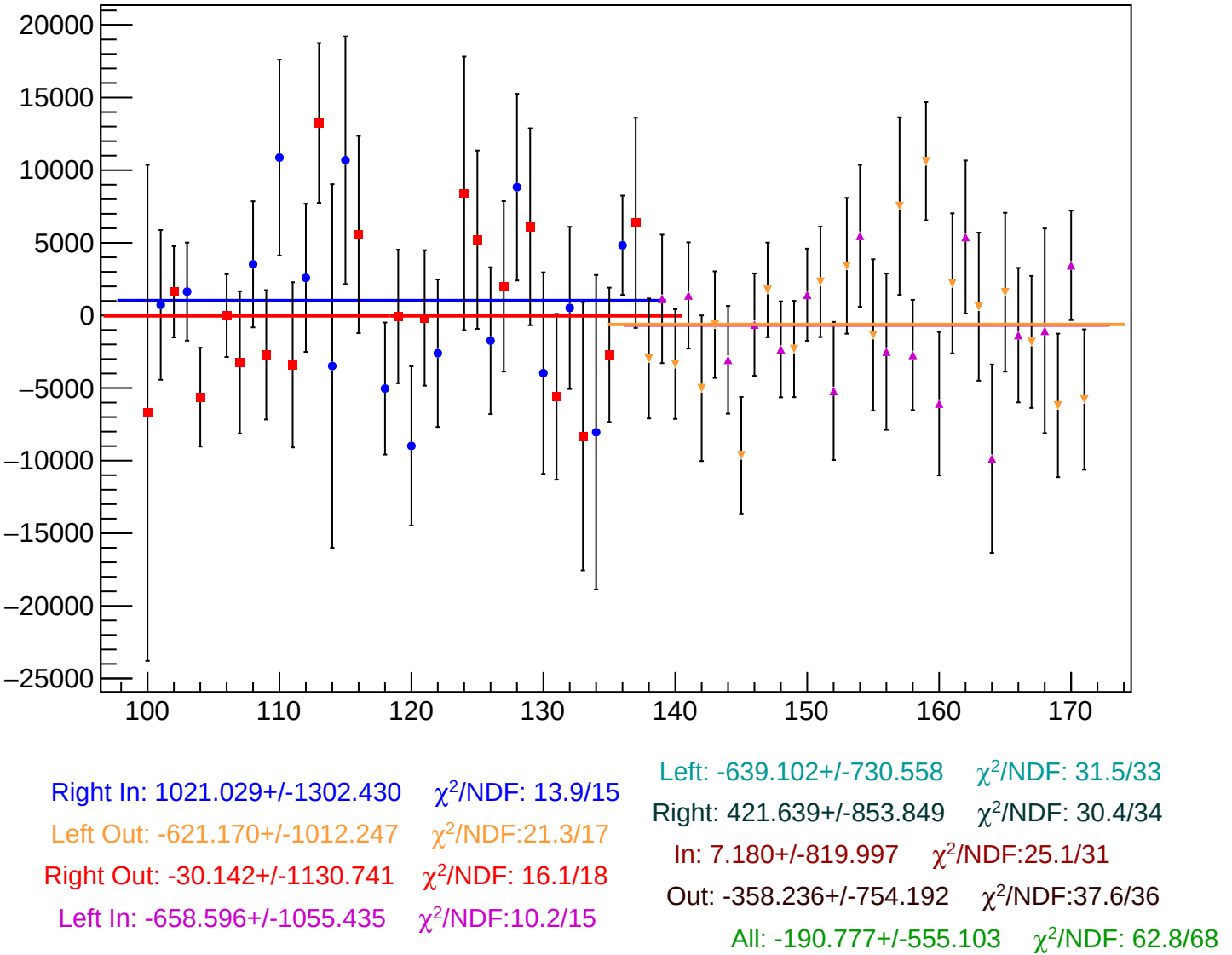
Left: 1149.406+/-0.155 χ^2/NDF: 204522.6/33

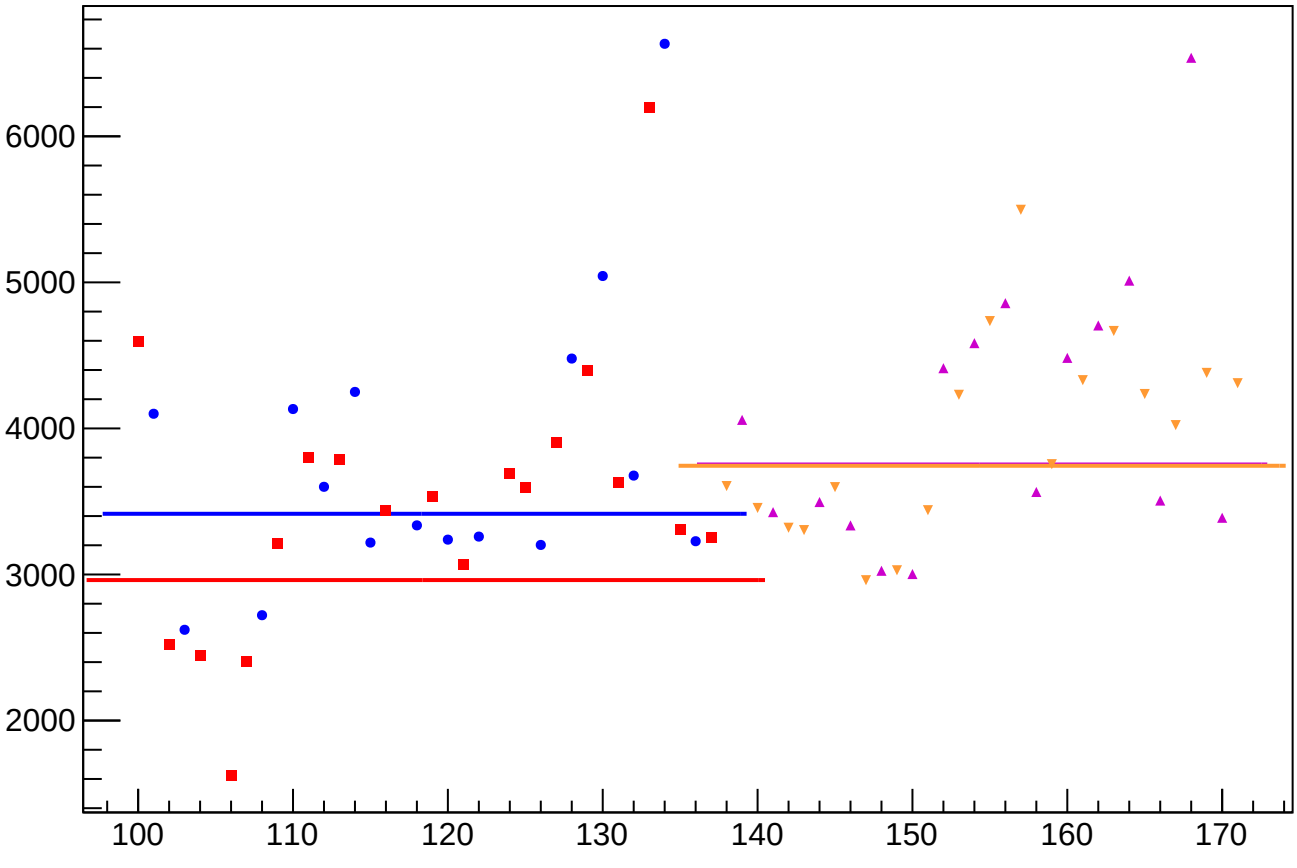
Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1157.520+/-0.183 χ^2/NDF:708573.2/31

Out: 1150.064+/-0.177 χ^2/NDF:623692.3/36

All: 1153.674+/-0.127 χ^2/NDF: 1333126.2/68


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 1021.029+/-1302.430 χ²/NDF: 13.9/15
Left Out: -621.170+/-1012.247 χ²/NDF:21.3/17
Right Out: -30.142+/-1130.741 χ²/NDF: 16.1/18
Left In: -658.596+/-1055.435 χ²/NDF:10.2/15
Left: -639.102+/-730.558 χ²/NDF: 31.5/33
Right: 421.639+/-853.849 χ²/NDF: 30.4/34
In: 7.180+/-819.997 χ²/NDF:25.1/31
Out: -358.236+/-754.192 χ²/NDF:37.6/36
All: -190.777+/-555.103 χ²/NDF: 62.8/68



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: 3753.042+/-0.746 χ^2/NDF:978038.3/15

Left: 3748.517+/-0.517 χ^2/NDF: 1696783.9/33

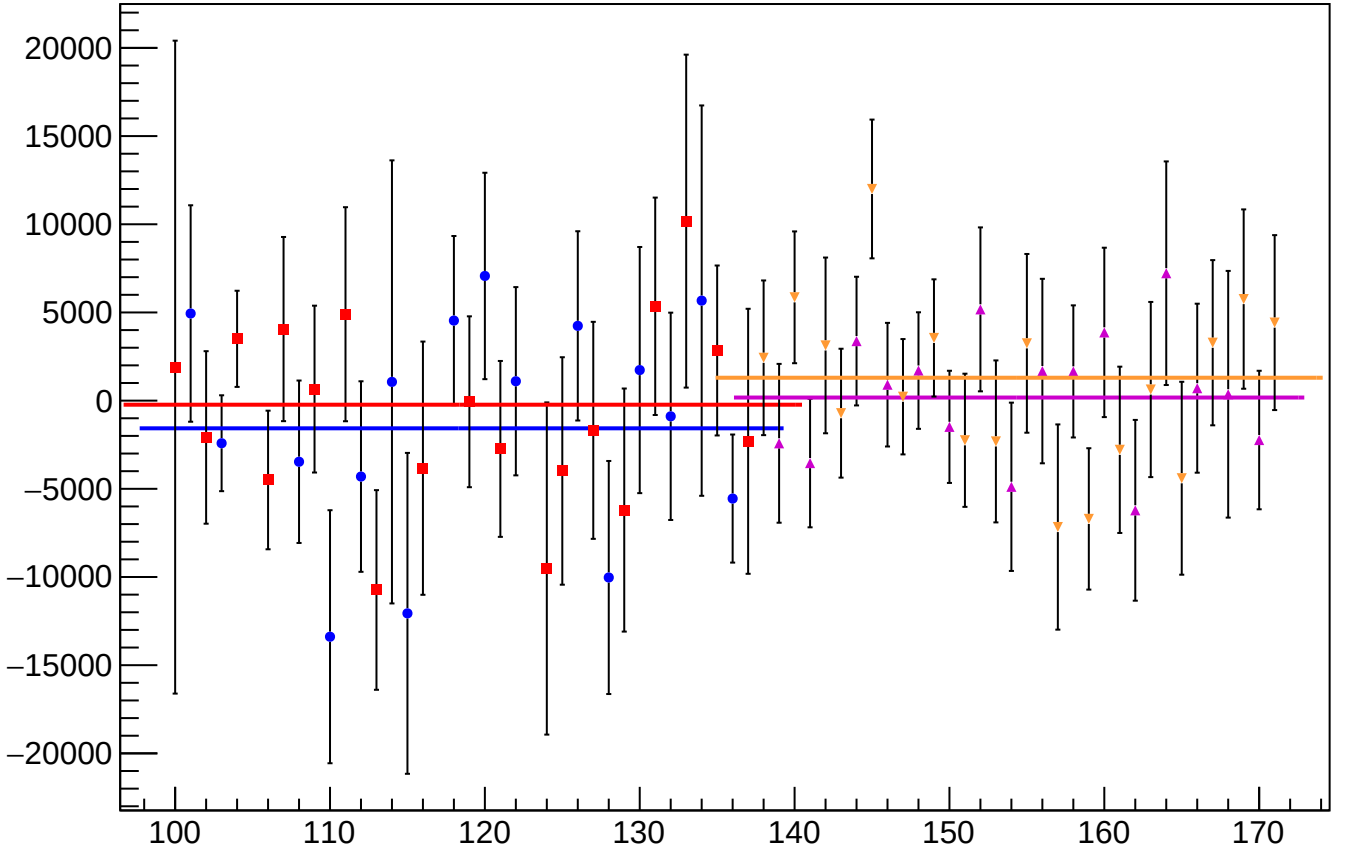
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3619.282+/-0.580 χ^2/NDF:1651418.1/31

Out: 3396.212+/-0.533 χ^2/NDF:2419710.8/36

All: 3498.439+/-0.393 χ^2/NDF: 4151309.4/68

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



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: 175.482+/-1051.238 χ^2/NDF:9.0/15

Left: 759.211+/-728.439 χ^2/NDF: 30.5/33

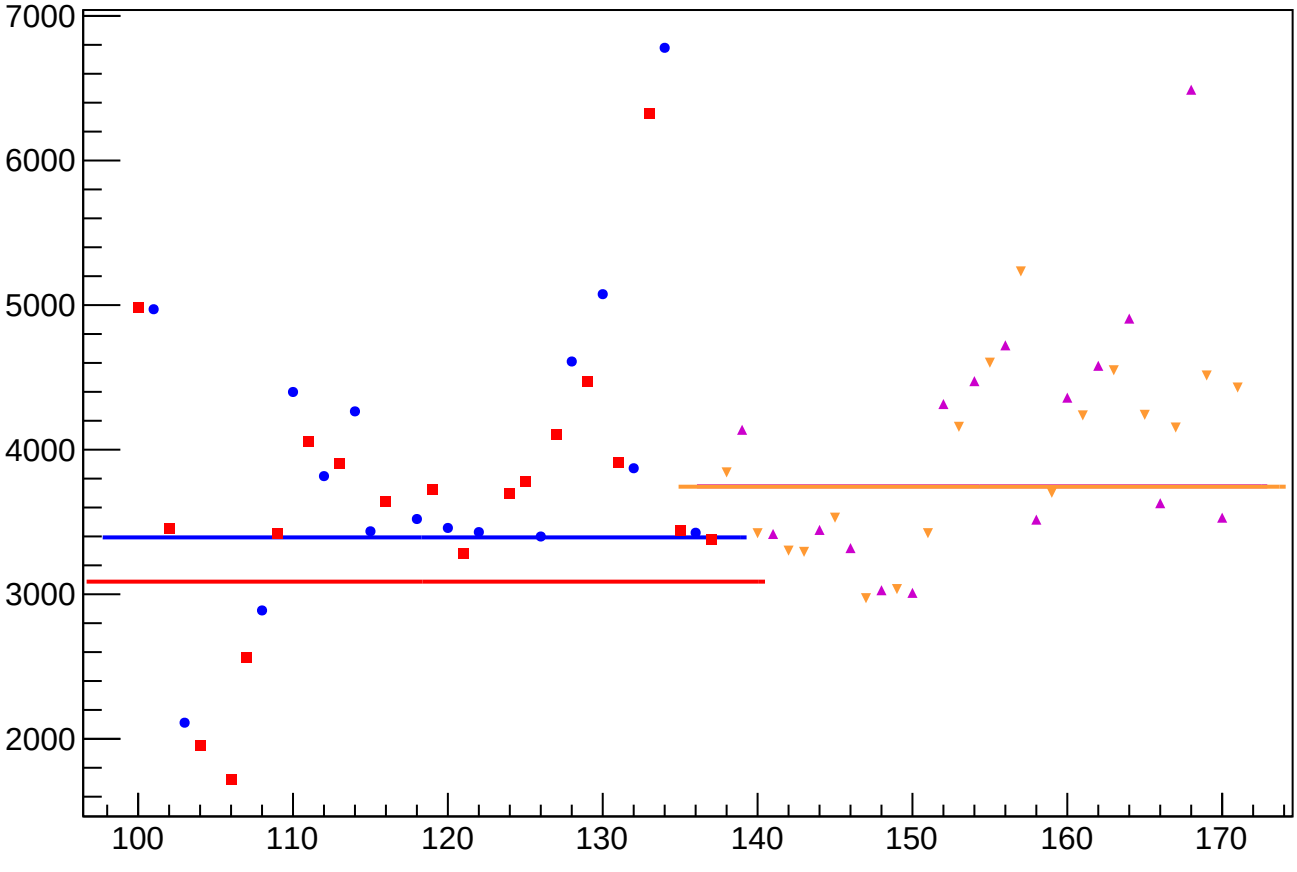
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -506.309+/-820.608 χ^2/NDF:24.5/31

Out: 678.770+/-779.251 χ^2/NDF:35.1/36

All: 116.845+/-565.069 χ^2/NDF: 60.7/68

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: 3746.702+/-0.743 χ^2/NDF:897801.6/15

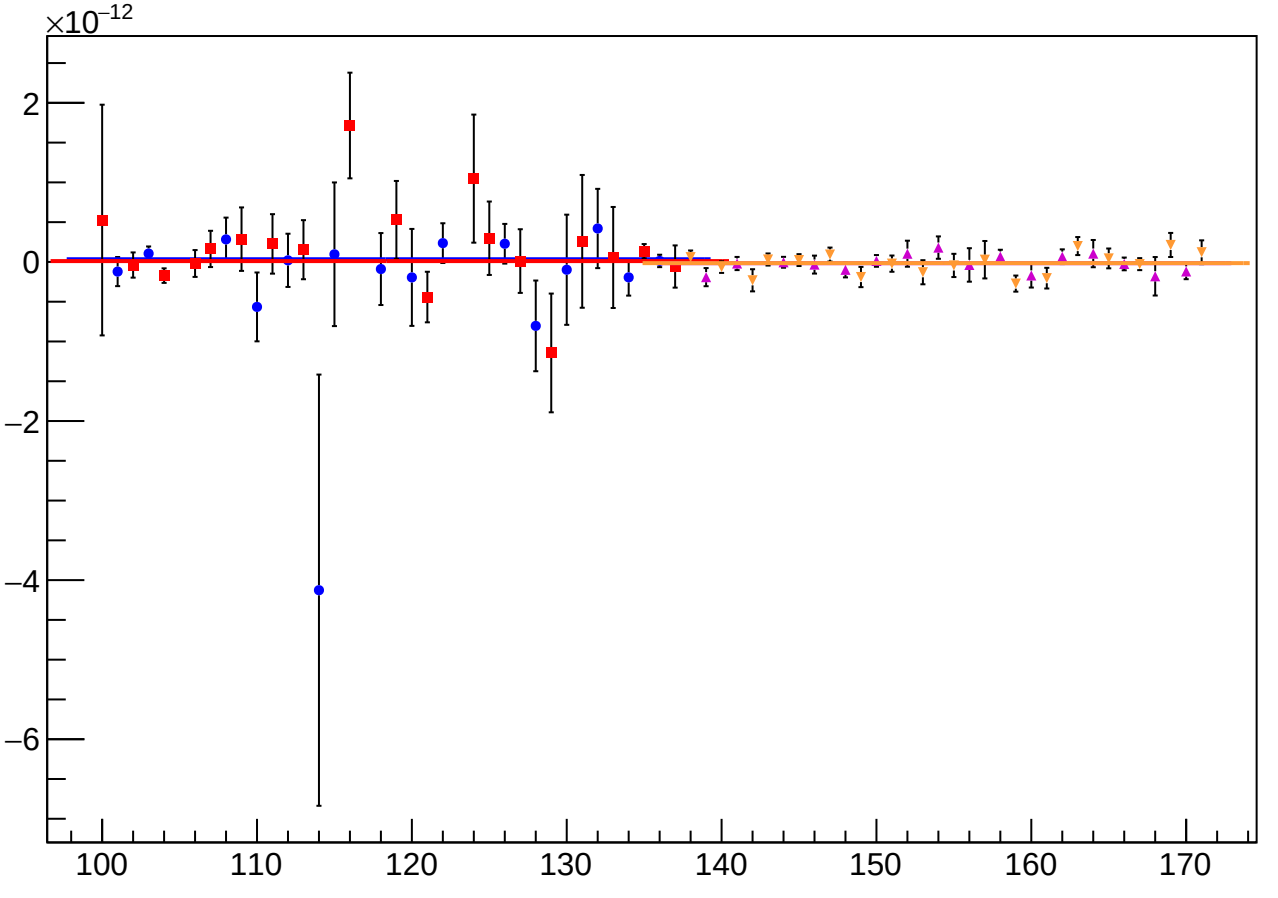
Left: 3745.277+/-0.515 χ^2/NDF: 1577389.6/33

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3608.672+/-0.580 χ^2/NDF:2034774.3/31

Out: 3472.585+/-0.547 χ^2/NDF:2357096.9/36

All: 3536.644+/-0.398 χ^2/NDF: 4420983.4/68



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:10.7/15

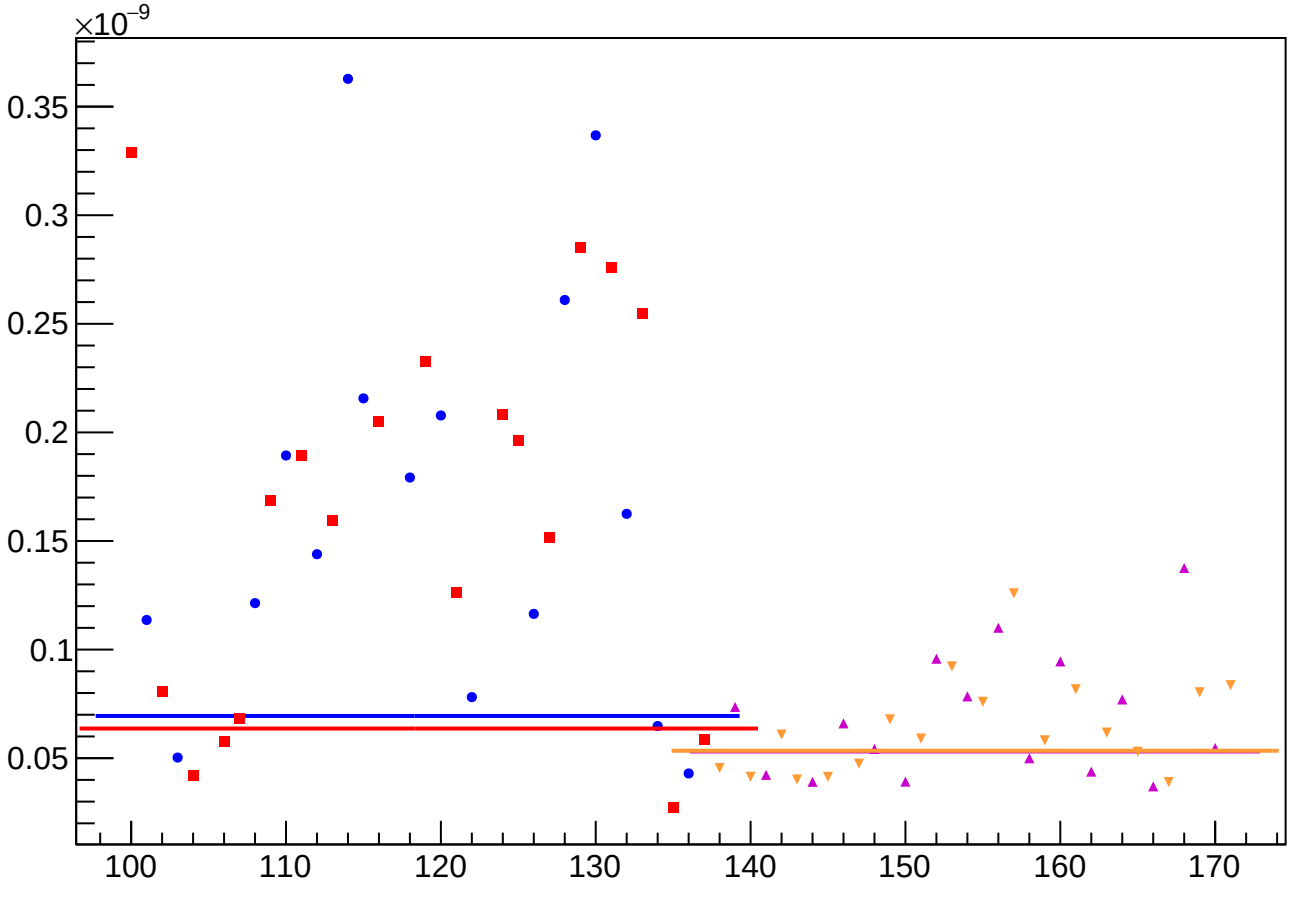
Left: -0.000+/-0.000 χ^2/NDF: 34.6/33

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:23.3/31

Out: -0.000+/-0.000 χ^2/NDF:46.0/36

All: -0.000+/-0.000 χ^2/NDF: 69.3/68



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:1163291.3/15

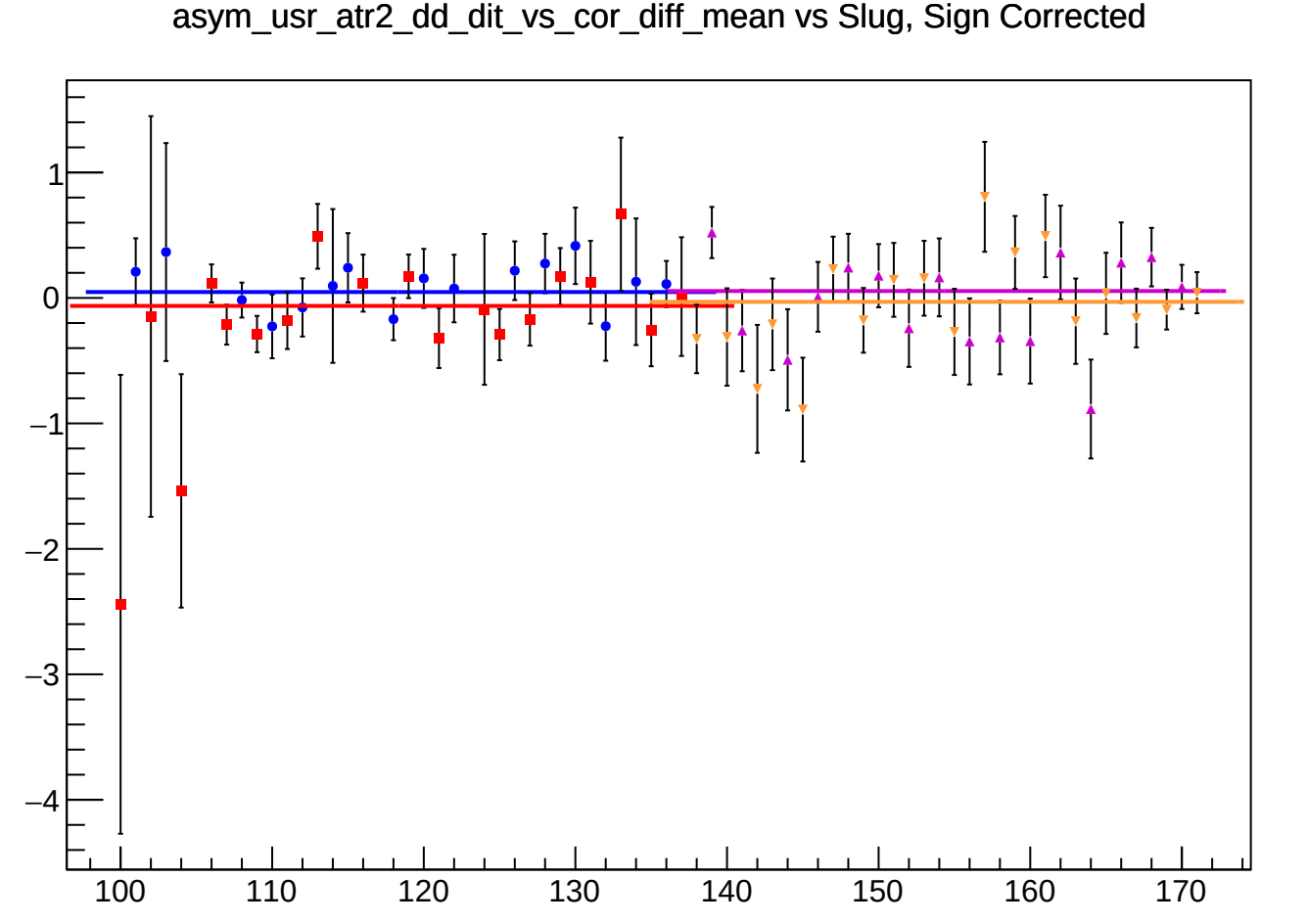
Left: 0.000+/-0.000 χ^2/NDF: 2091389.8/33

Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:3068261.8/31

Out: 0.000+/-0.000 χ^2/NDF:3246906.0/36

All: 0.000+/-0.000 χ^2/NDF: 6317976.7/68



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: 0.055+/-0.070 χ^2/NDF:22.4/15

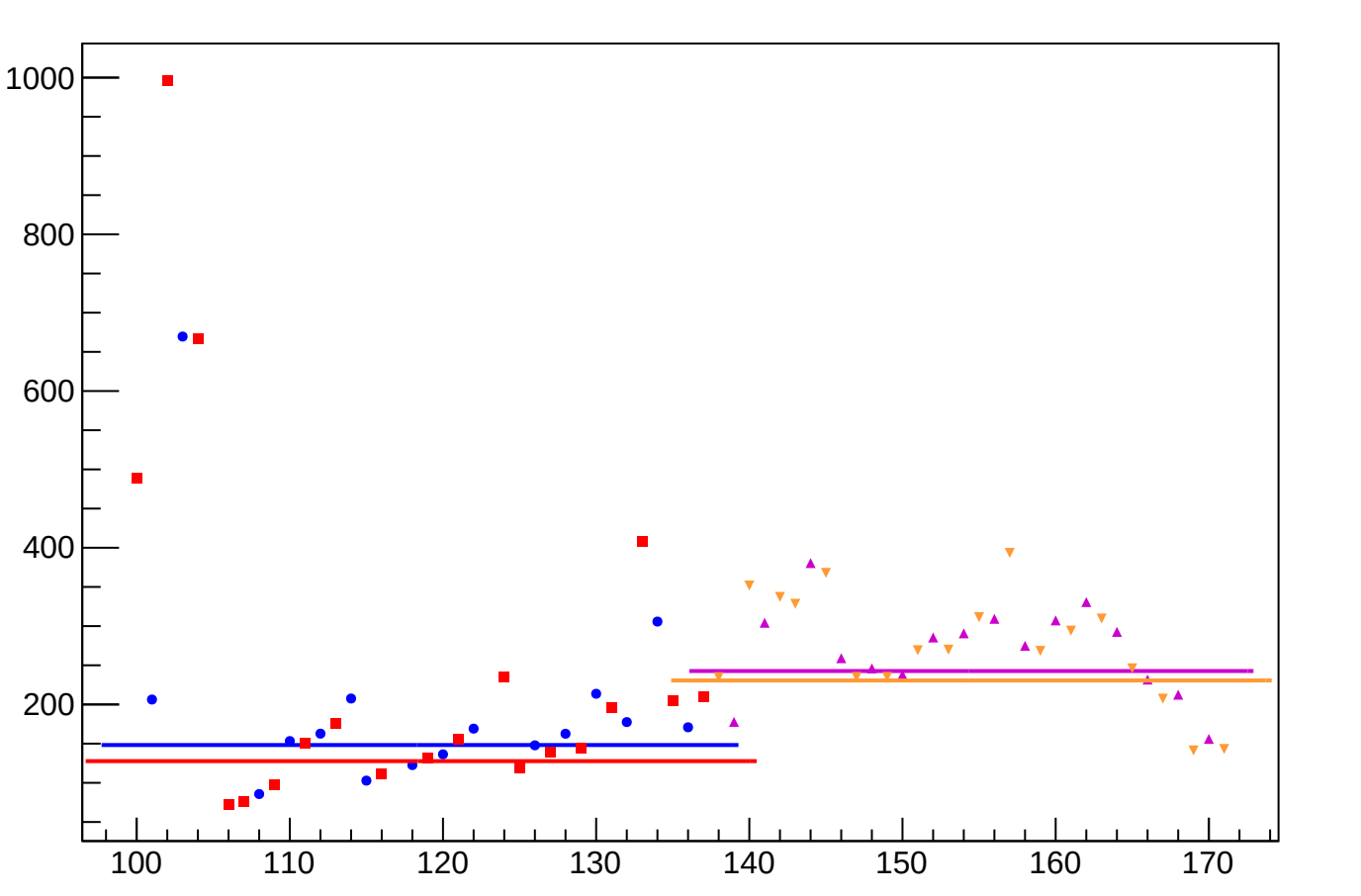
Left: 0.009+/-0.047 χ^2/NDF: 42.8/33

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.050+/-0.045 χ^2/NDF:31.0/31

Out: -0.050+/-0.042 χ^2/NDF:42.0/36

All: -0.004+/-0.031 χ^2/NDF: 75.6/68



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: 242.683+/-0.049 χ^2/NDF:1438948.6/15

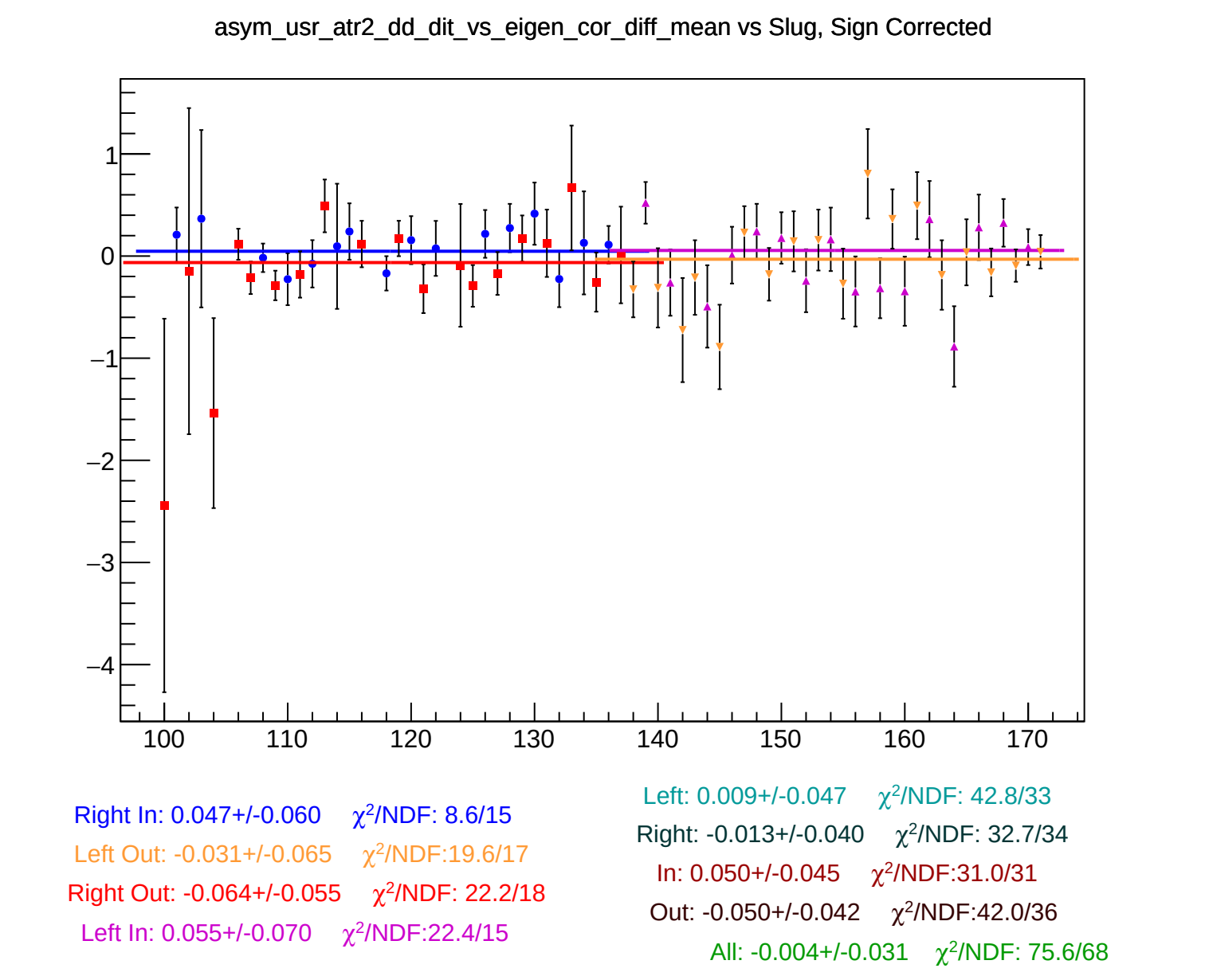
Left: 236.206+/-0.034 χ^2/NDF: 4020105.4/33

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

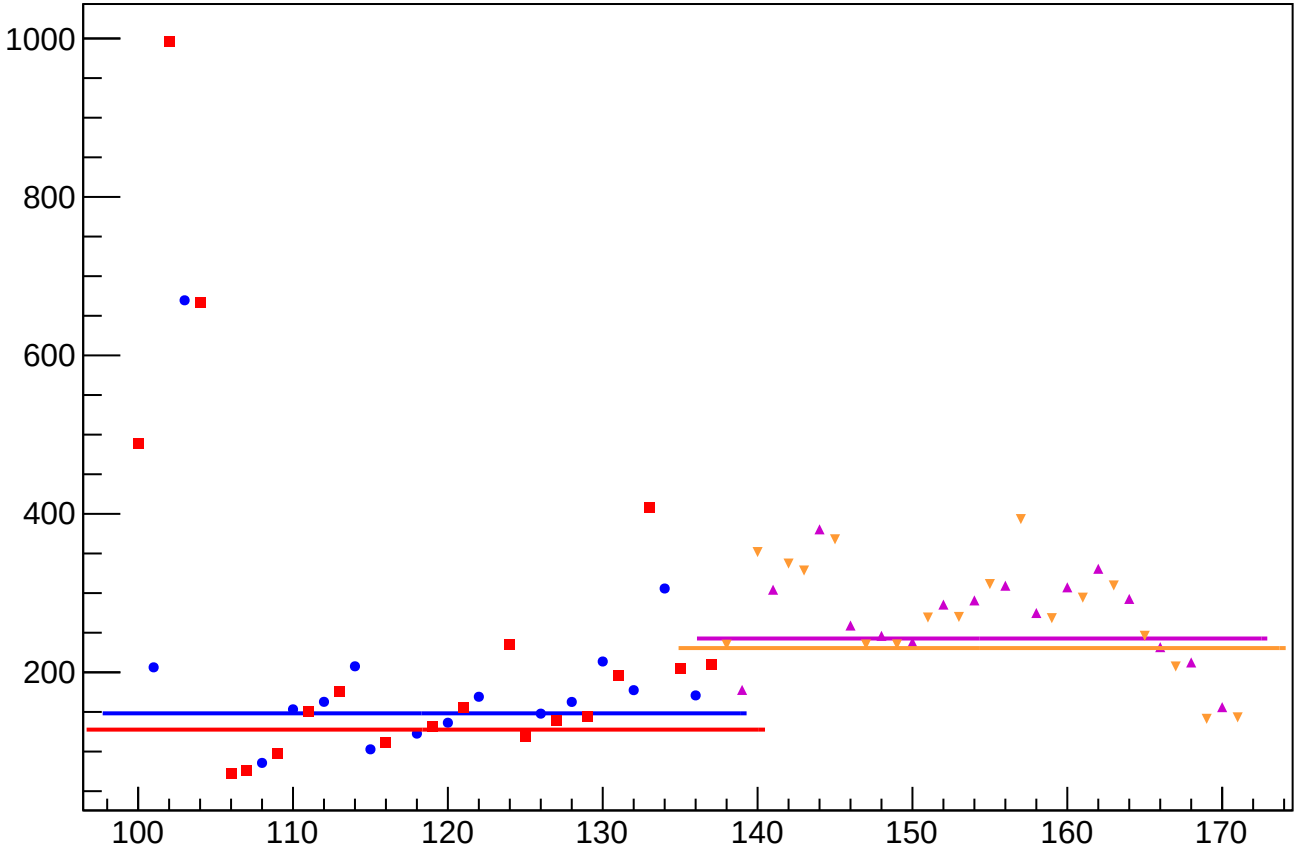
In: 188.468+/-0.032 χ^2/NDF:5257665.0/31

Out: 170.485+/-0.030 χ^2/NDF:8338719.0/36

All: 178.716+/-0.022 χ^2/NDF: 13765963.7/68


asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: 0.047+/-0.060 χ²/NDF: 8.6/15
Left Out: -0.031+/-0.065 χ²/NDF:19.6/17
Right Out: -0.064+/-0.055 χ²/NDF: 22.2/18
Left In: 0.055+/-0.070 χ²/NDF:22.4/15
Left: 0.009+/-0.047 χ²/NDF: 42.8/33
Right: -0.013+/-0.040 χ²/NDF: 32.7/34
In: 0.050+/-0.045 χ²/NDF:31.0/31
Out: -0.050+/-0.042 χ²/NDF:42.0/36
All: -0.004+/-0.031 χ²/NDF: 75.6/68

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: 242.683+/-0.049 χ^2/NDF:1438948.6/15

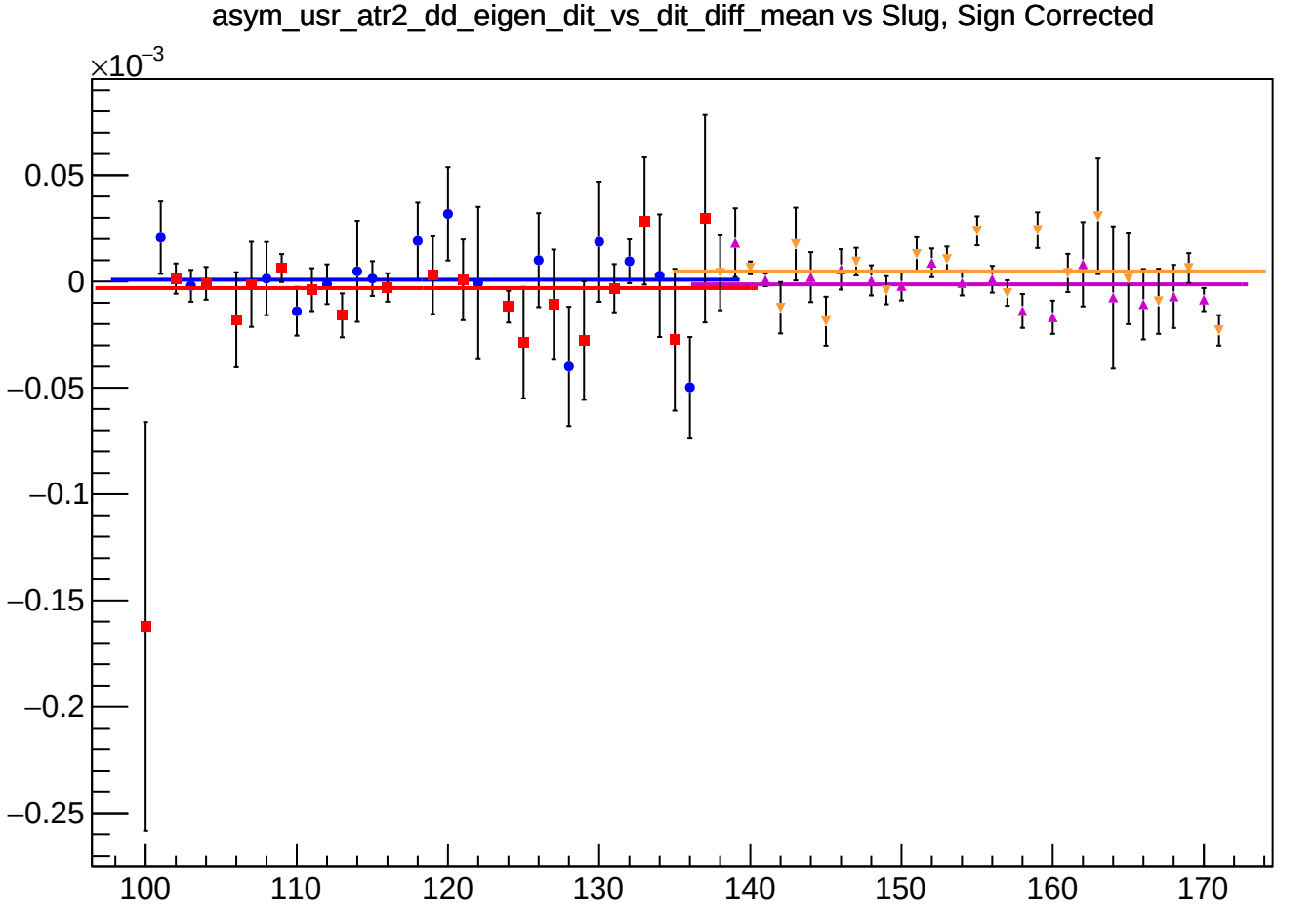
Left: 236.206+/-0.034 χ^2/NDF: 4020105.4/33

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 188.468+/-0.032 χ^2/NDF:5257665.0/31

Out: 170.485+/-0.030 χ^2/NDF:8338719.0/36

All: 178.716+/-0.022 χ^2/NDF: 13765963.7/68



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:13.9/15

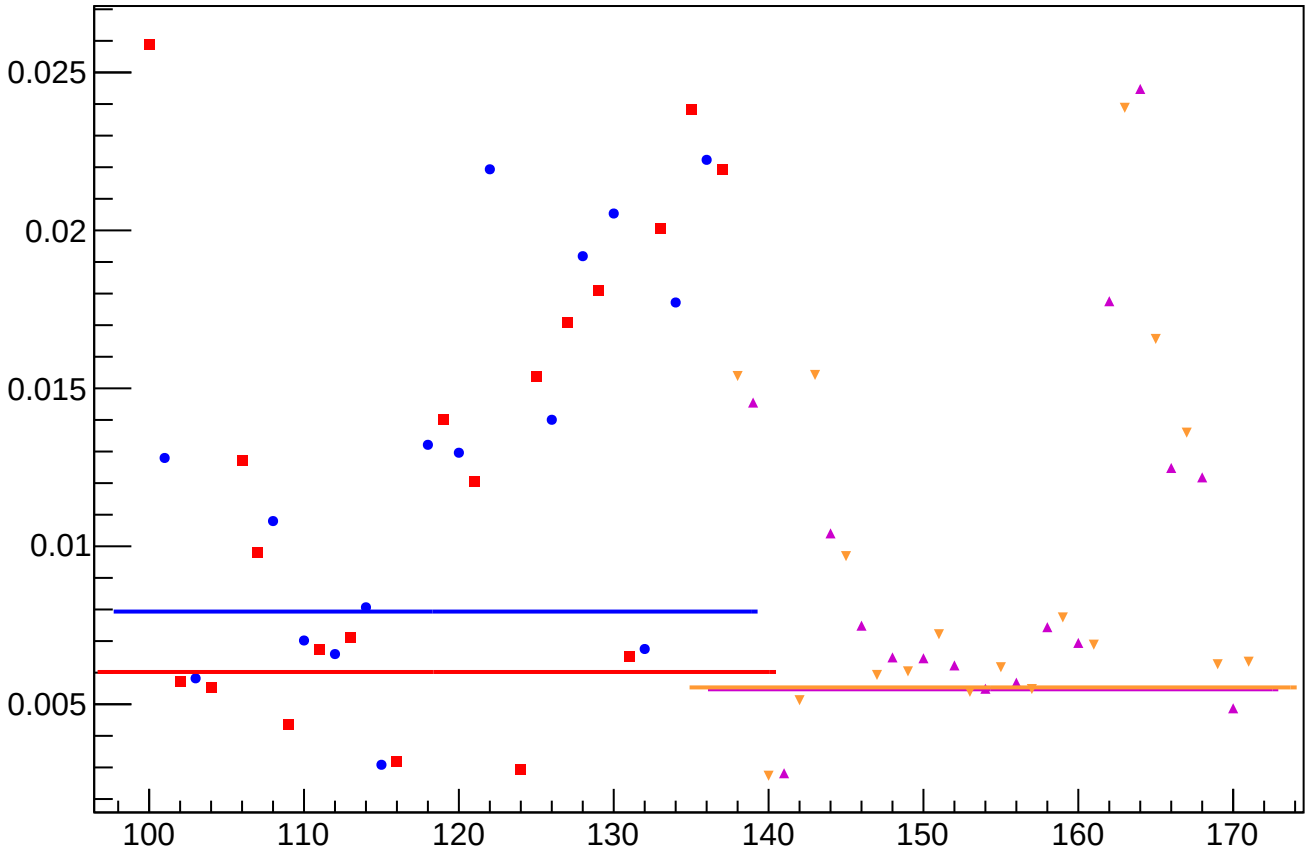
Left: 0.000+/-0.000 χ^2/NDF: 64.5/33

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:28.5/31

Out: 0.000+/-0.000 χ^2/NDF:63.2/36

All: 0.000+/-0.000 χ^2/NDF: 94.2/68



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:5147122.6/15

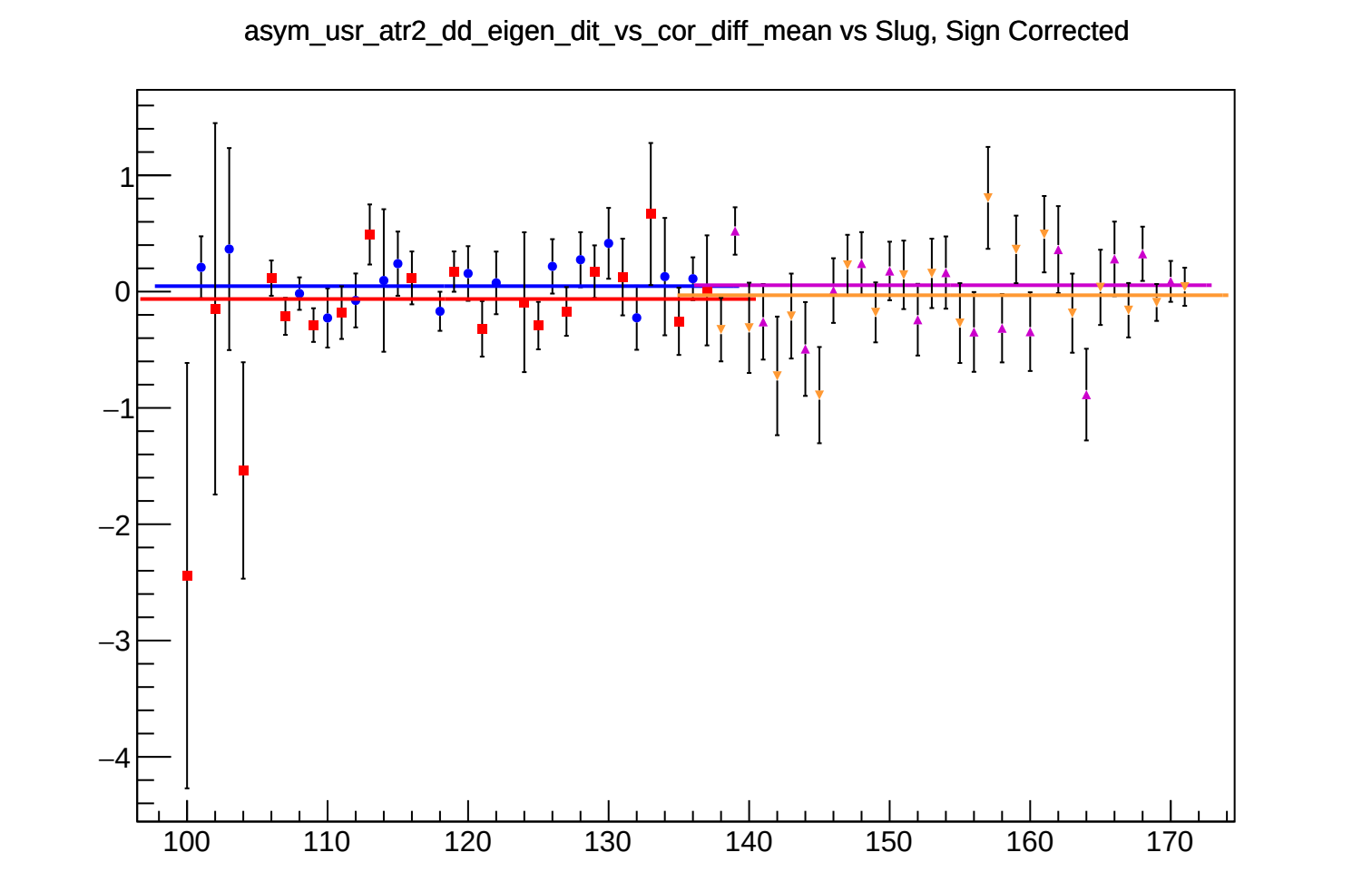
Left: 0.006+/-0.000 χ^2/NDF: 10816489.9/33

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9530678.6/31

Out: 0.006+/-0.000 χ^2/NDF:9726374.7/36

All: 0.006+/-0.000 χ^2/NDF: 19296260.8/68



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: 0.055+/-0.070 χ^2/NDF:22.4/15

Left: 0.009+/-0.047 χ^2/NDF: 42.8/33

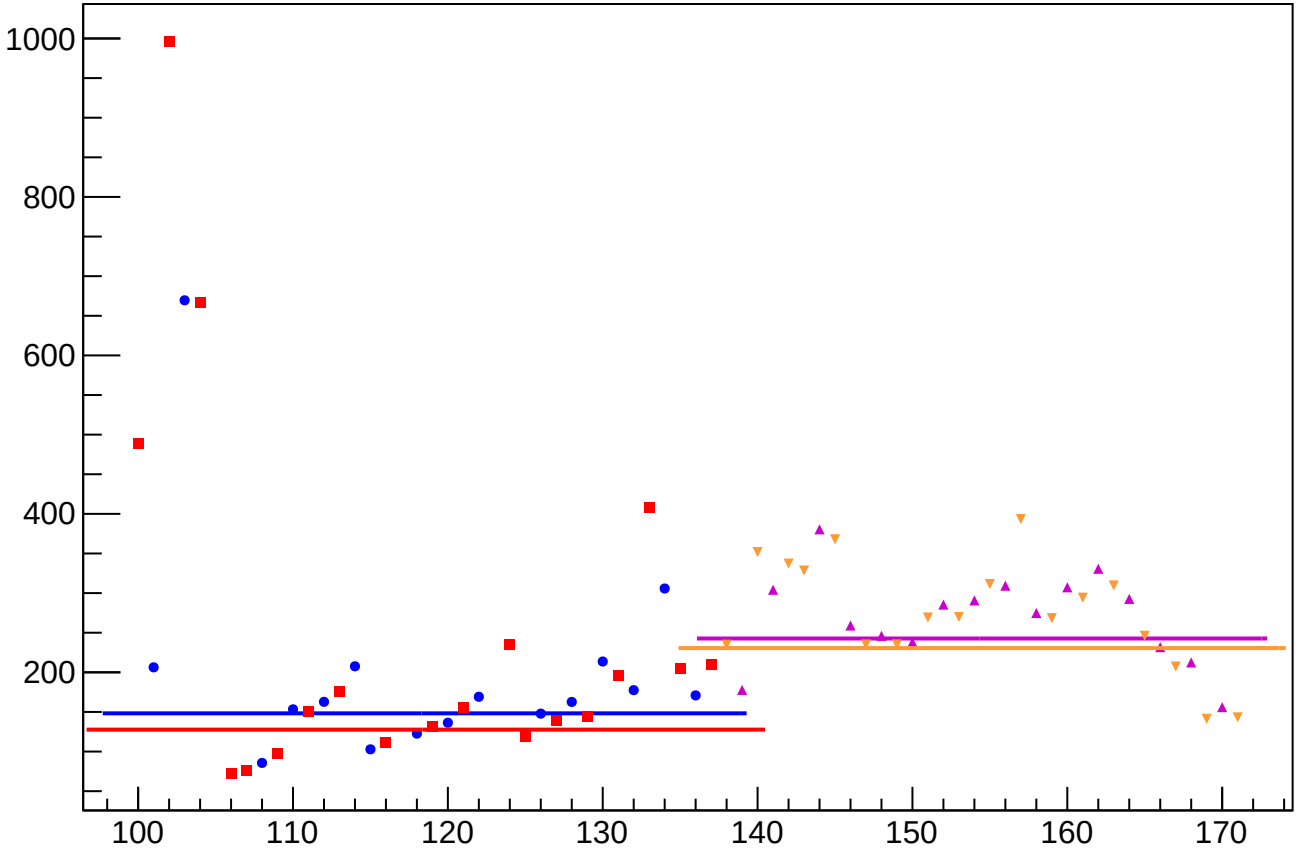
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.050+/-0.045 χ^2/NDF:31.0/31

Out: -0.050+/-0.042 χ^2/NDF:42.0/36

All: -0.004+/-0.031 χ^2/NDF: 75.6/68

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: 242.686+/-0.049 χ^2/NDF:1438961.2/15

Left: 236.207+/-0.034 χ^2/NDF: 4020262.2/33

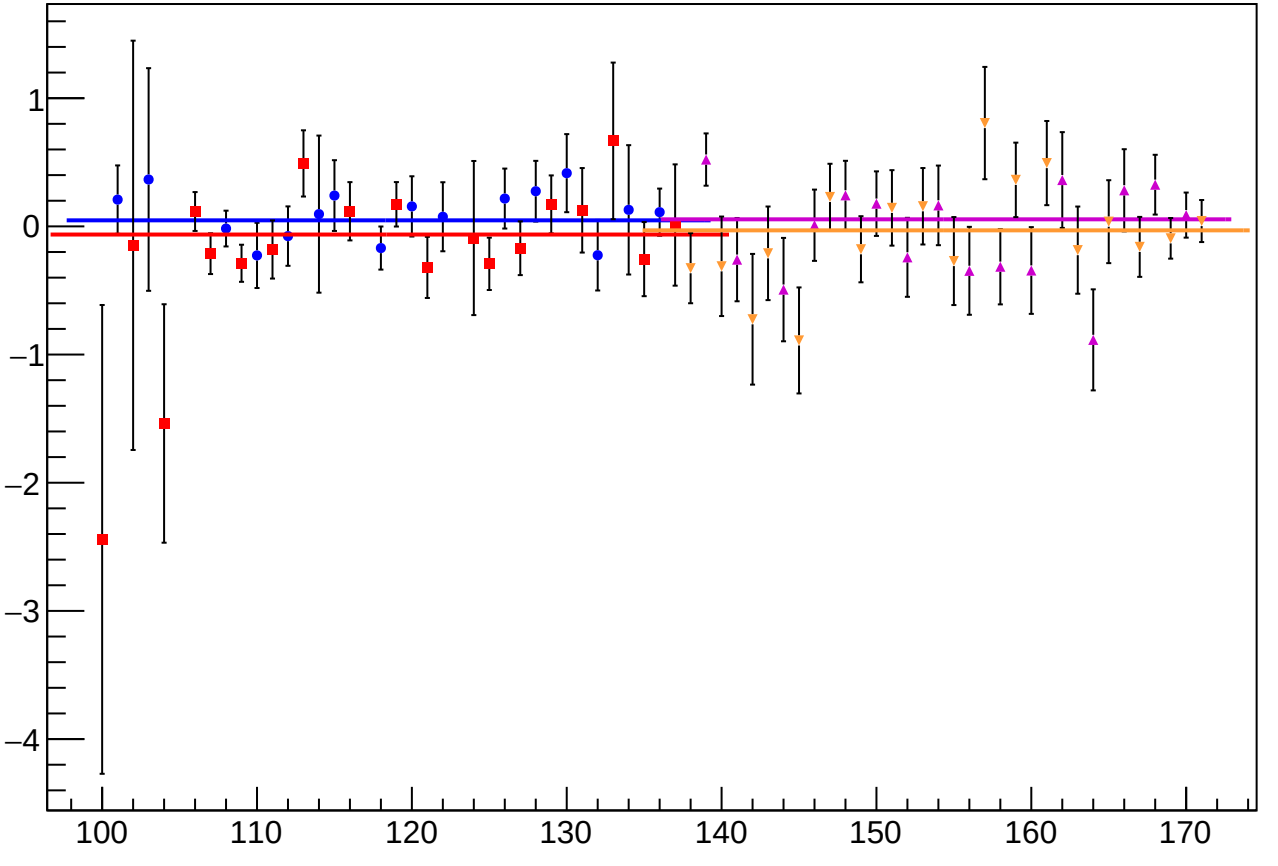
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.467+/-0.032 χ^2/NDF:5257978.1/31

Out: 170.485+/-0.030 χ^2/NDF:8338866.9/36

All: 178.715+/-0.022 χ^2/NDF: 13766396.7/68

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: 0.055+/-0.070 χ^2/NDF:22.4/15

Left: 0.009+/-0.047 χ^2/NDF: 42.8/33

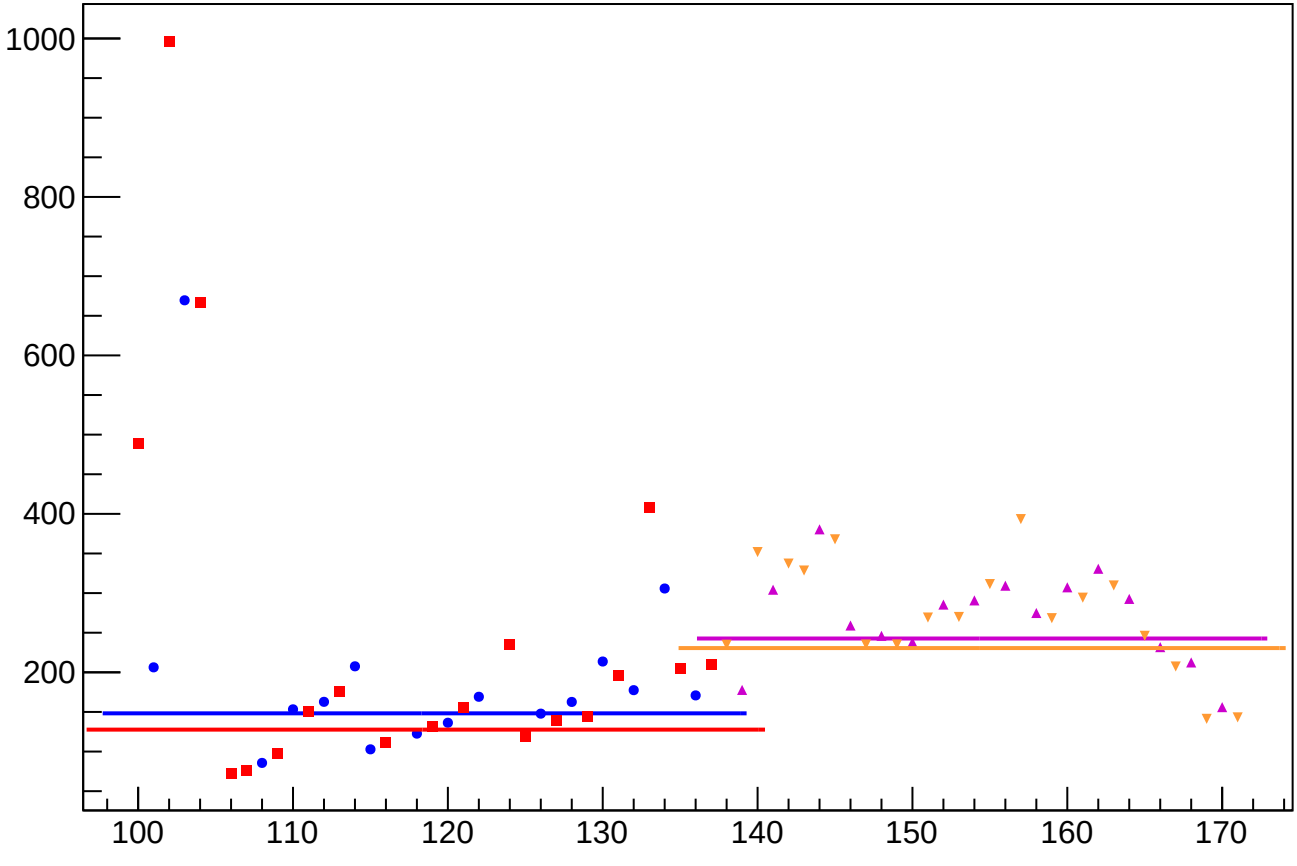
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.050+/-0.045 χ^2/NDF:31.0/31

Out: -0.050+/-0.042 χ^2/NDF:42.0/36

All: -0.004+/-0.031 χ^2/NDF: 75.6/68

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: 242.686+/-0.049 χ^2/NDF:1438961.2/15

Left: 236.207+/-0.034 χ^2/NDF: 4020262.2/33

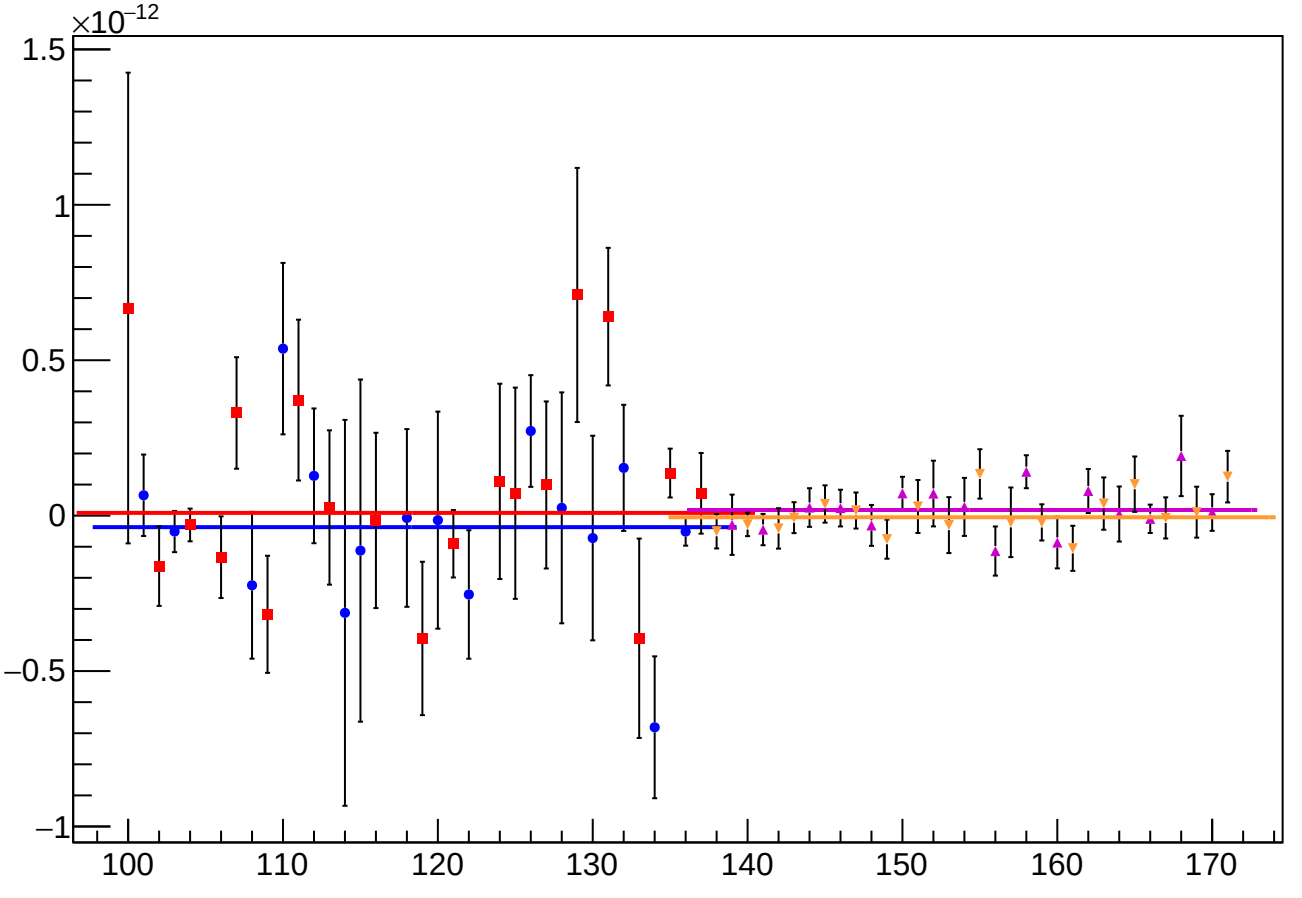
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 188.467+/-0.032 χ^2/NDF:5257978.1/31

Out: 170.485+/-0.030 χ^2/NDF:8338866.9/36

All: 178.715+/-0.022 χ^2/NDF: 13766396.7/68

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:16.4/15

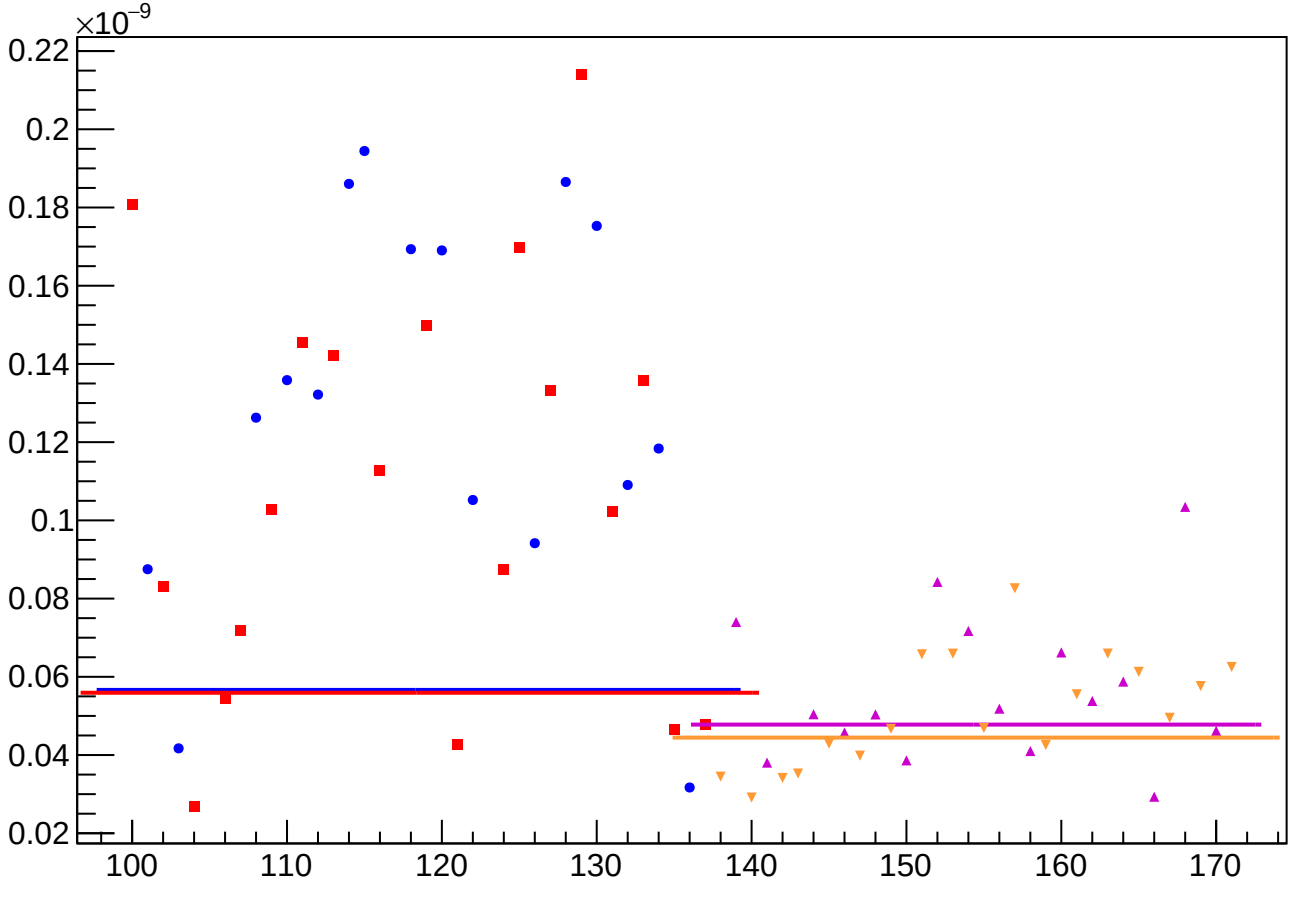
Left: 0.000+/-0.000 χ^2/NDF: 30.3/33

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:38.2/31

Out: -0.000+/-0.000 χ^2/NDF:44.7/36

All: 0.000+/-0.000 χ^2/NDF: 83.1/68



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1413937.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1539729.0/15

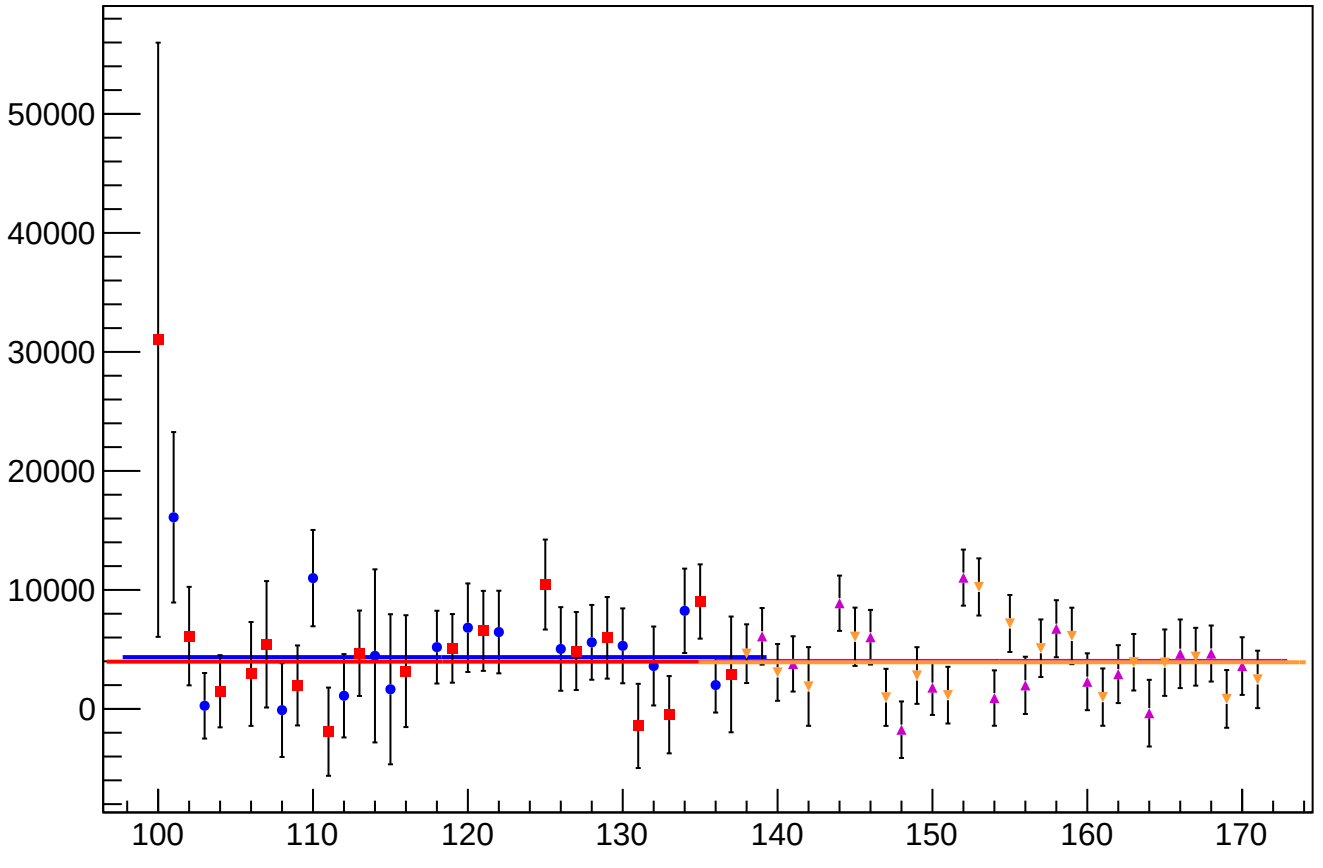
Left: 0.000+/-0.000 χ^2/NDF: 2997180.8/33

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4773277.9/31

Out: 0.000+/-0.000 χ^2/NDF:4355971.4/36

All: 0.000+/-0.000 χ^2/NDF: 9174970.5/68



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: 4035.349+/-602.124 χ^2/NDF:28.7/15

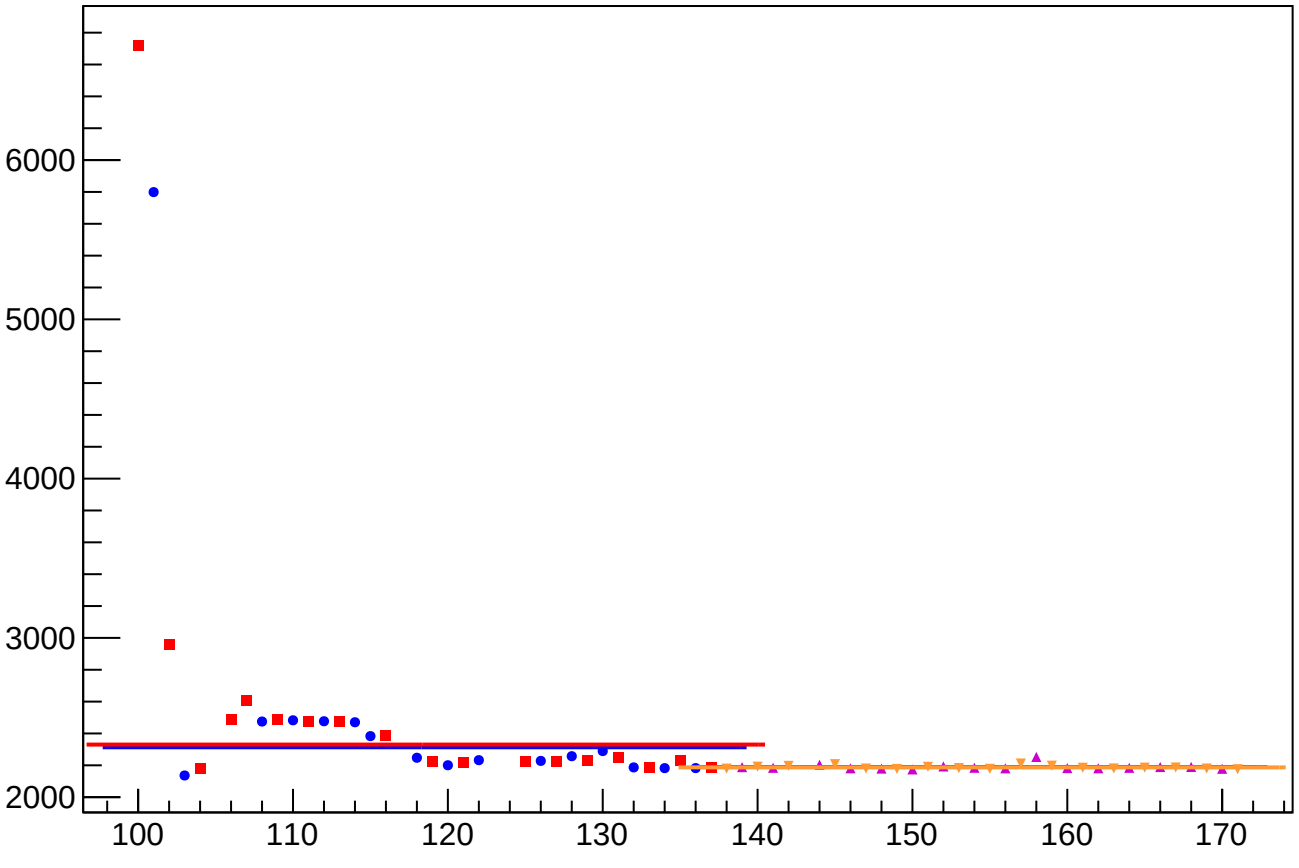
Left: 3978.238+/-423.757 χ^2/NDF: 46.6/32

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4137.839+/-496.055 χ^2/NDF:42.2/31

Out: 3937.984+/-492.194 χ^2/NDF:34.0/34

All: 4037.130+/-349.391 χ^2/NDF: 76.3/66



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: 2189.355+/-0.426 χ^2/NDF:1745.5/15

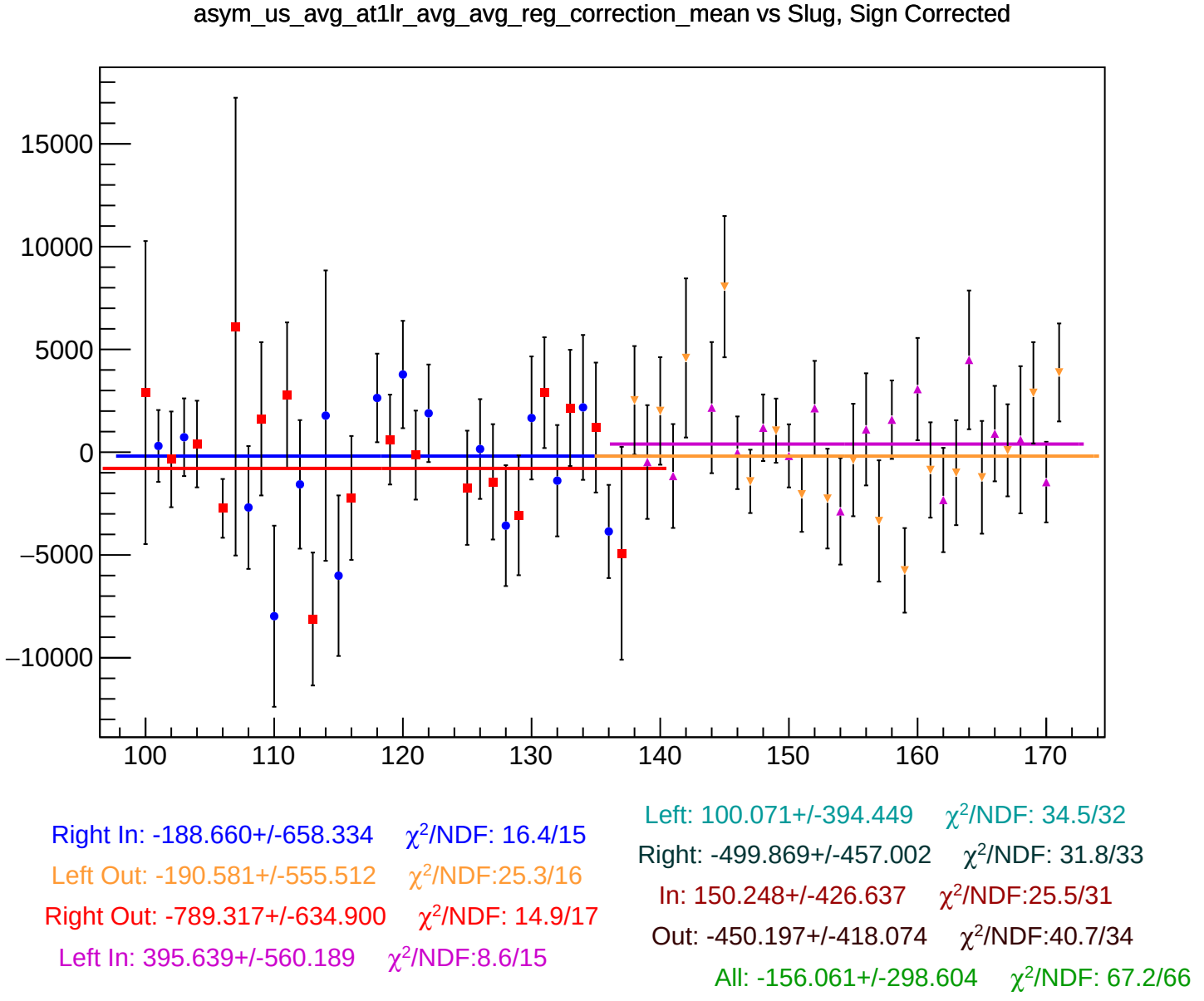
Left: 2188.144+/-0.300 χ^2/NDF: 2355.2/32

Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

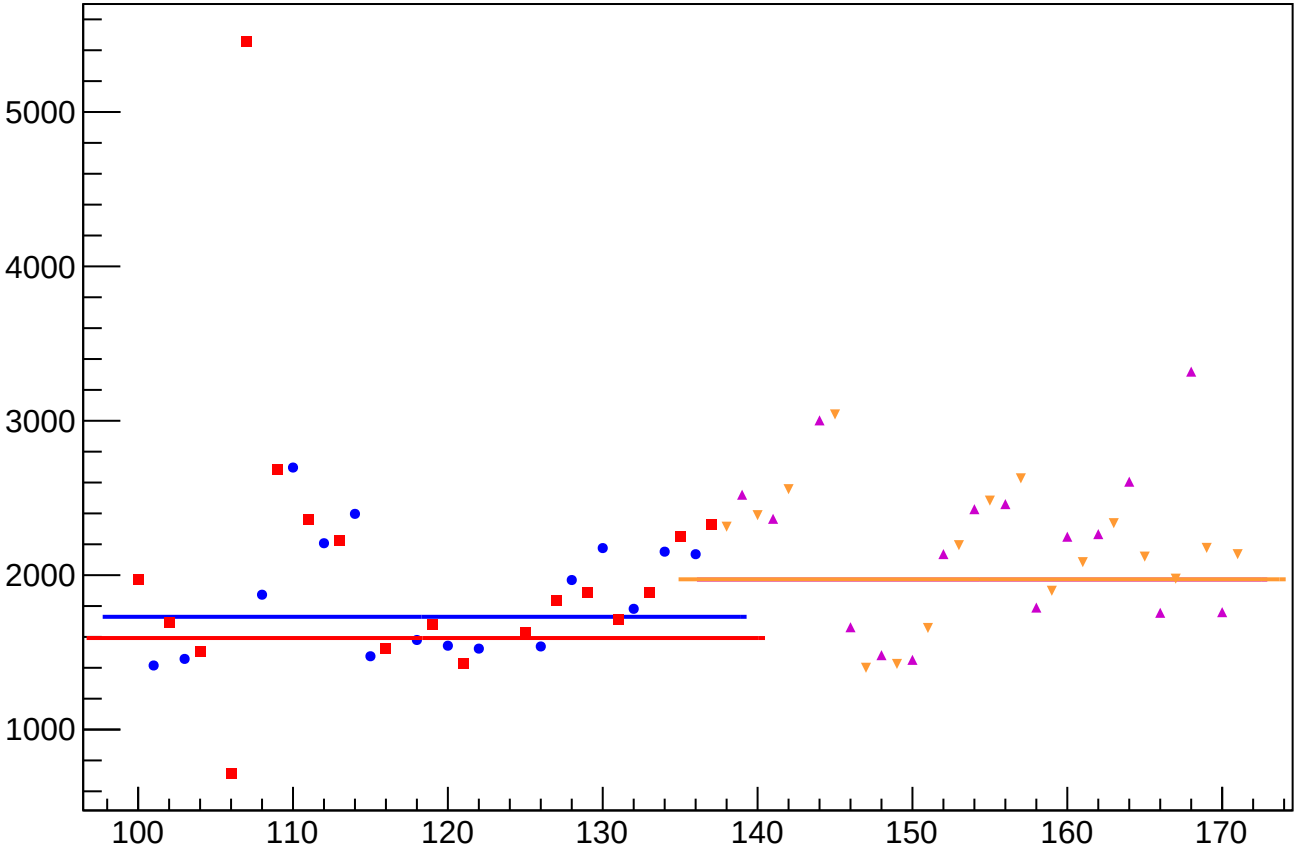
In: 2229.213+/-0.351 χ^2/NDF:541394.2/31

Out: 2232.666+/-0.348 χ^2/NDF:188611.2/34

All: 2230.953+/-0.247 χ^2/NDF: 730054.2/66


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: 395.639+/-560.189 χ²/NDF:8.6/15
Left: 100.071+/-394.449 χ²/NDF: 34.5/32
Right: -499.869+/-457.002 χ²/NDF: 31.8/33
In: 150.248+/-426.637 χ²/NDF:25.5/31
Out: -450.197+/-418.074 χ²/NDF:40.7/34
All: -156.061+/-298.604 χ²/NDF: 67.2/66

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: 1971.551+/-0.396 χ^2/NDF:1410384.2/15

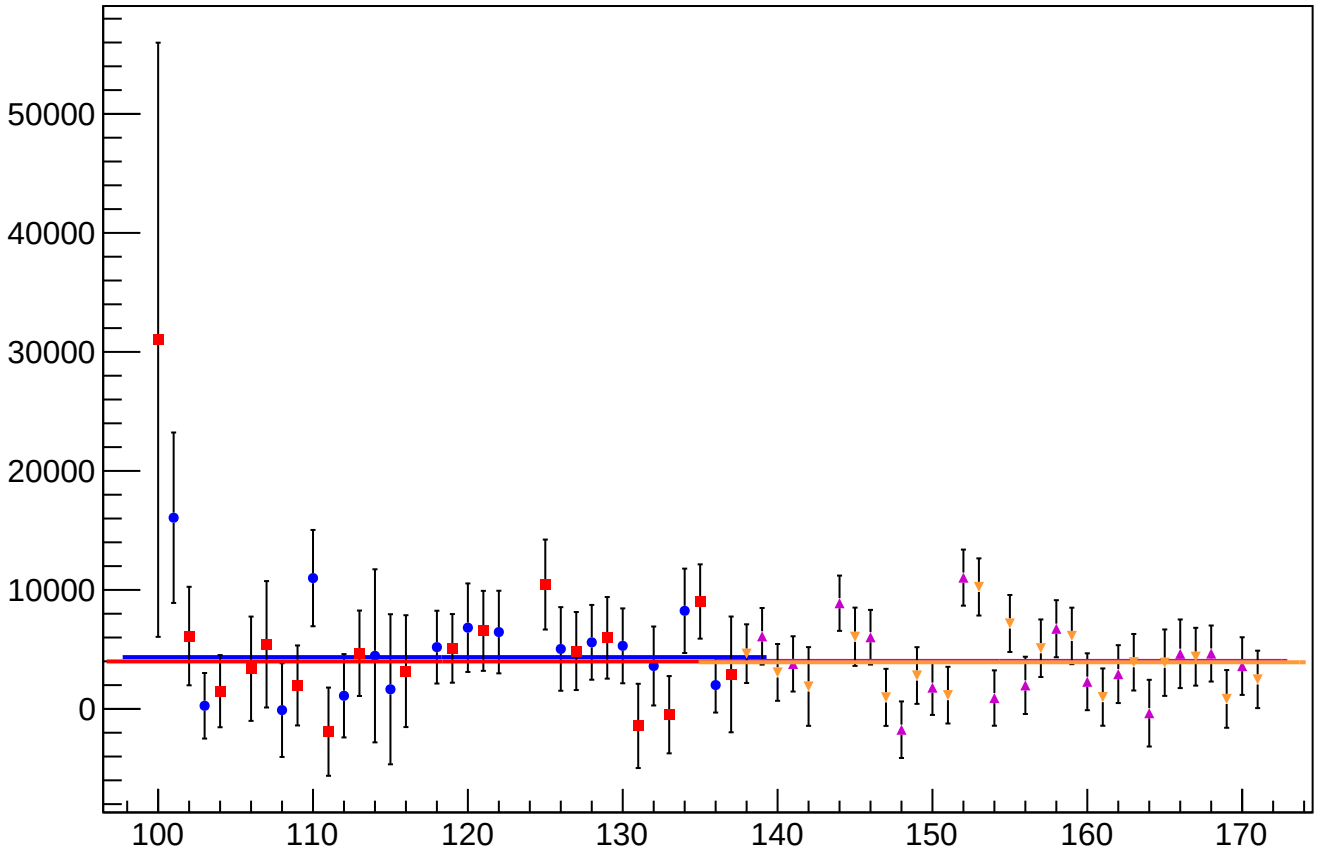
Left: 1972.370+/-0.279 χ^2/NDF: 2576612.0/32

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1870.227+/-0.302 χ^2/NDF:2045116.5/31

Out: 1808.253+/-0.296 χ^2/NDF:3128969.5/34

All: 1838.612+/-0.211 χ^2/NDF: 5195614.3/66



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: 4035.441+/-602.124 χ^2/NDF:28.7/15

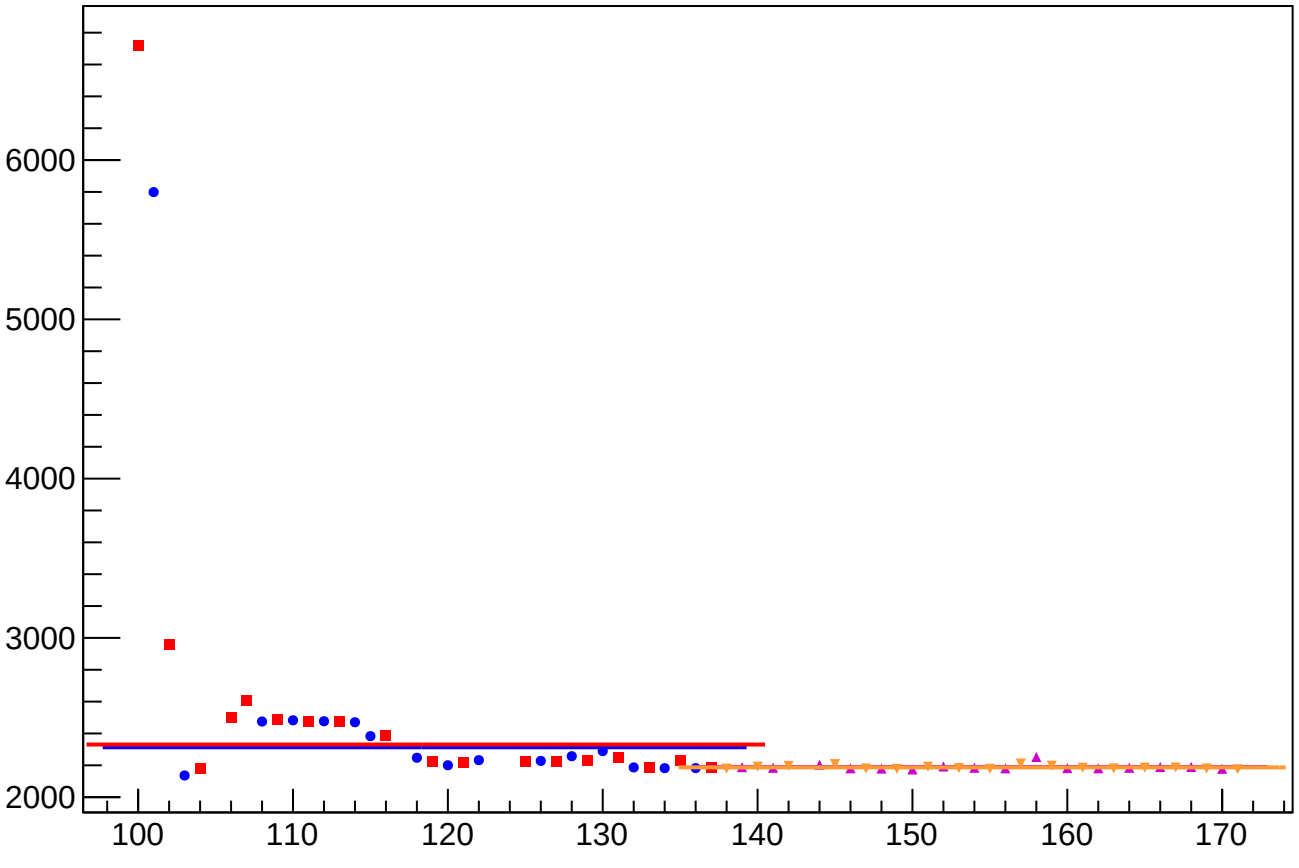
Left: 3978.248+/-423.757 χ^2/NDF: 46.6/32

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.683+/-496.055 χ^2/NDF:42.2/31

Out: 3943.740+/-492.221 χ^2/NDF:34.0/34

All: 4039.959+/-349.401 χ^2/NDF: 76.2/66



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: 2189.355+/-0.426 χ^2/NDF:1745.5/15

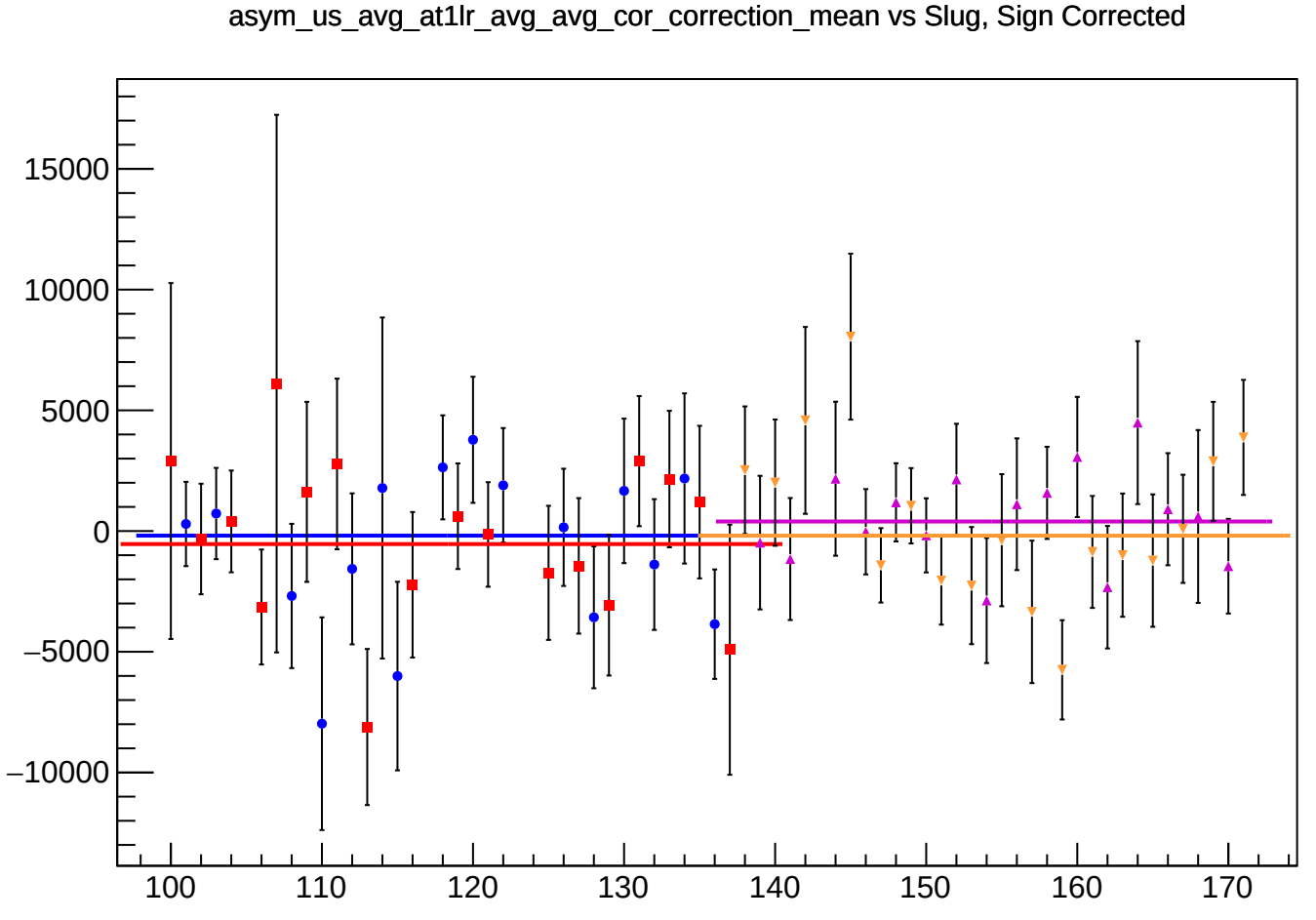
Left: 2188.144+/-0.300 χ^2/NDF: 2355.2/32

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

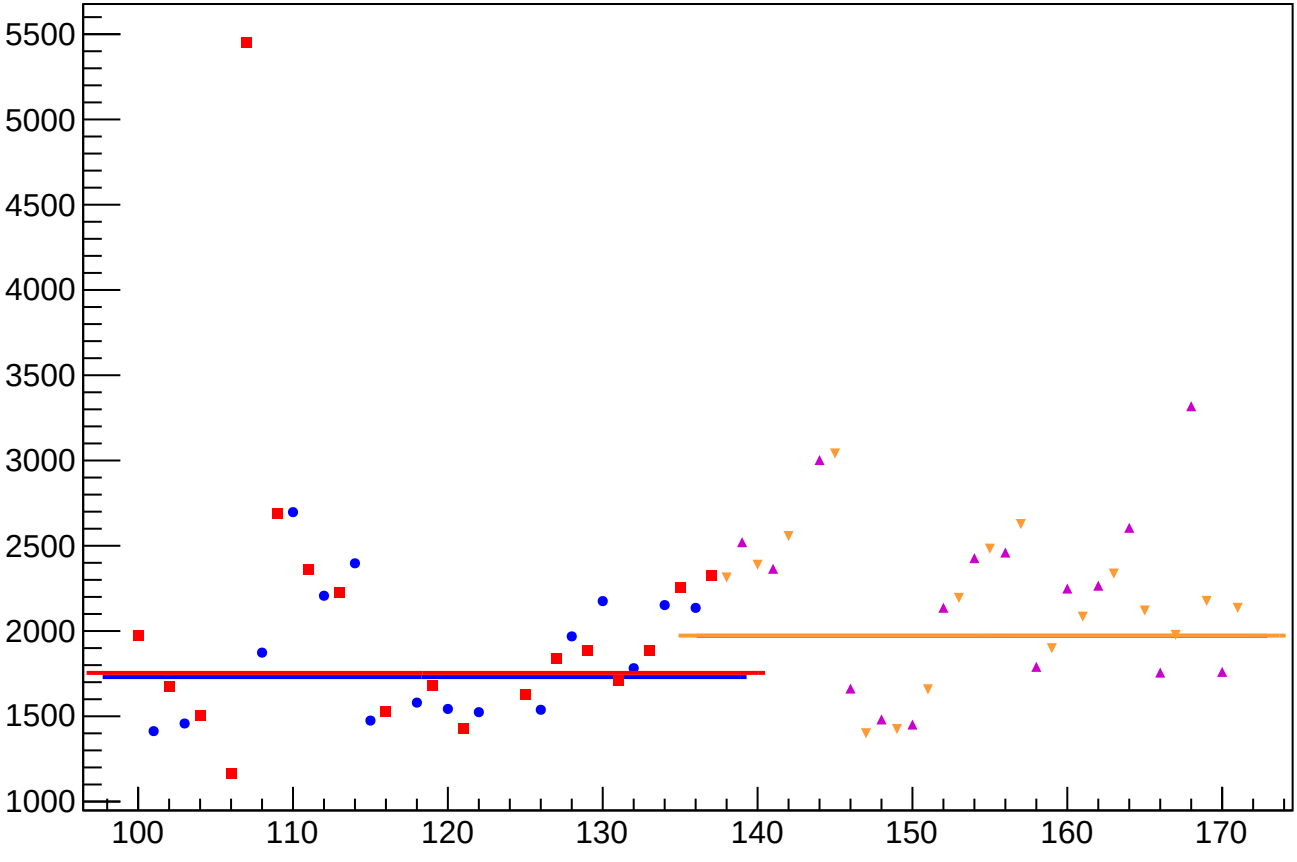
In: 2229.213+/-0.351 χ^2/NDF:541394.6/31

Out: 2232.773+/-0.348 χ^2/NDF:189138.6/34

All: 2231.007+/-0.247 χ^2/NDF: 730585.1/66


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -190.685+/-555.510 χ²/NDF:25.3/16
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 395.715+/-560.190 χ²/NDF:8.6/15
Left: 100.056+/-394.449 χ²/NDF: 34.5/32
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 149.773+/-426.602 χ²/NDF:25.5/31
Out: -330.746+/-429.753 χ²/NDF:39.4/34
All: -88.719+/-302.761 χ²/NDF: 65.5/66

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: 1971.554+/-0.396 χ^2/NDF:1410408.4/15

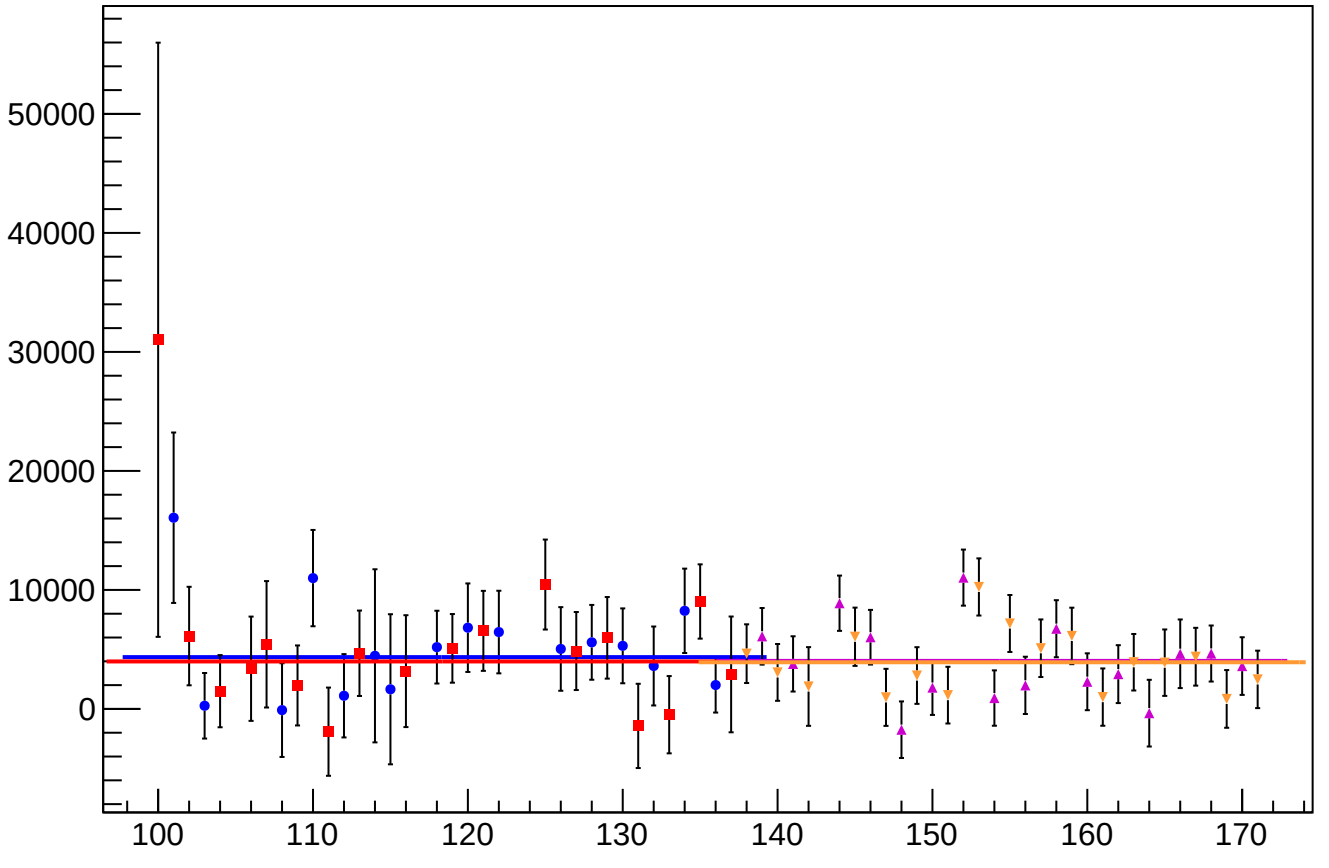
Left: 1972.369+/-0.279 χ^2/NDF: 2576675.9/32

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1870.041+/-0.302 χ^2/NDF:2046649.3/31

Out: 1885.381+/-0.304 χ^2/NDF:2041669.8/34

All: 1877.655+/-0.214 χ^2/NDF: 4089602.5/66



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: 4035.441+/-602.124 χ^2/NDF:28.7/15

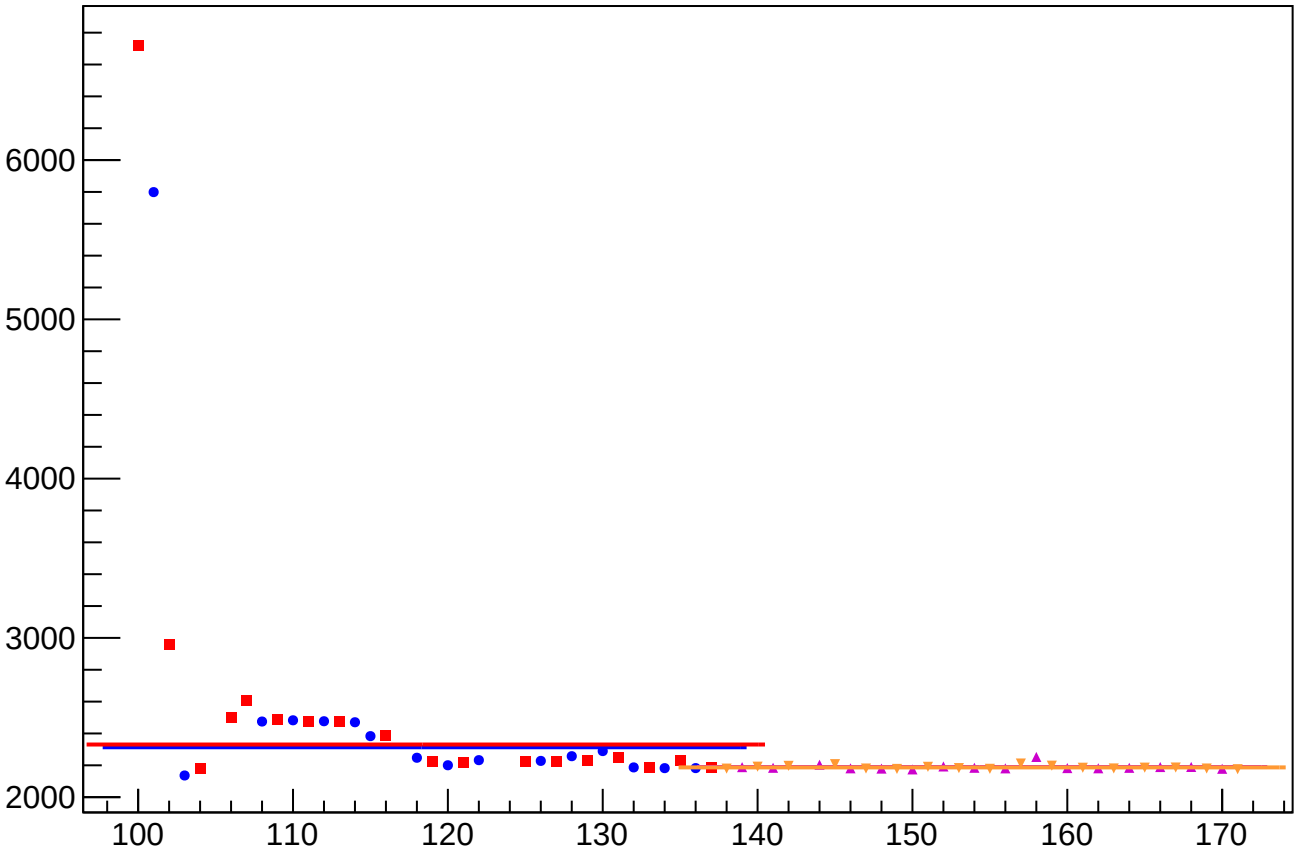
Left: 3978.248+/-423.757 χ^2/NDF: 46.6/32

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4137.683+/-496.055 χ^2/NDF:42.2/31

Out: 3943.740+/-492.221 χ^2/NDF:34.0/34

All: 4039.959+/-349.401 χ^2/NDF: 76.2/66



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: 2189.355+/-0.426 χ^2/NDF:1745.5/15

Left: 2188.144+/-0.300 χ^2/NDF: 2355.2/32

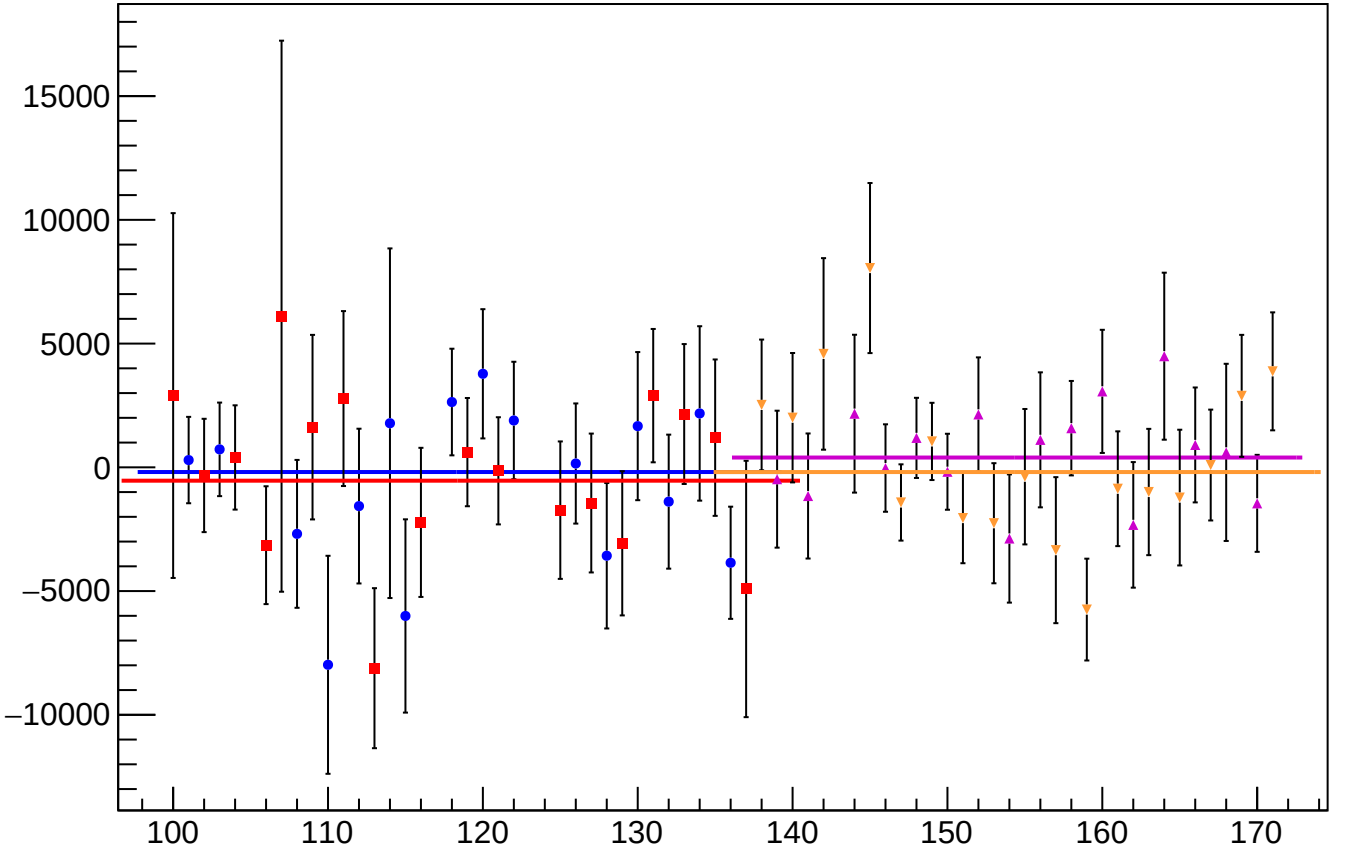
Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

In: 2229.213+/-0.351 χ^2/NDF:541394.6/31

Out: 2232.773+/-0.348 χ^2/NDF:189138.6/34

All: 2231.007+/-0.247 χ^2/NDF: 730585.1/66

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -189.762+/-658.205 χ^2/NDF: 16.4/15

Left Out: -190.685+/-555.510 χ^2/NDF:25.3/16

Right Out: -539.517+/-678.214 χ^2/NDF: 13.9/17

Left In: 395.715+/-560.190 χ^2/NDF:8.6/15

Left: 100.056+/-394.449 χ^2/NDF: 34.5/32

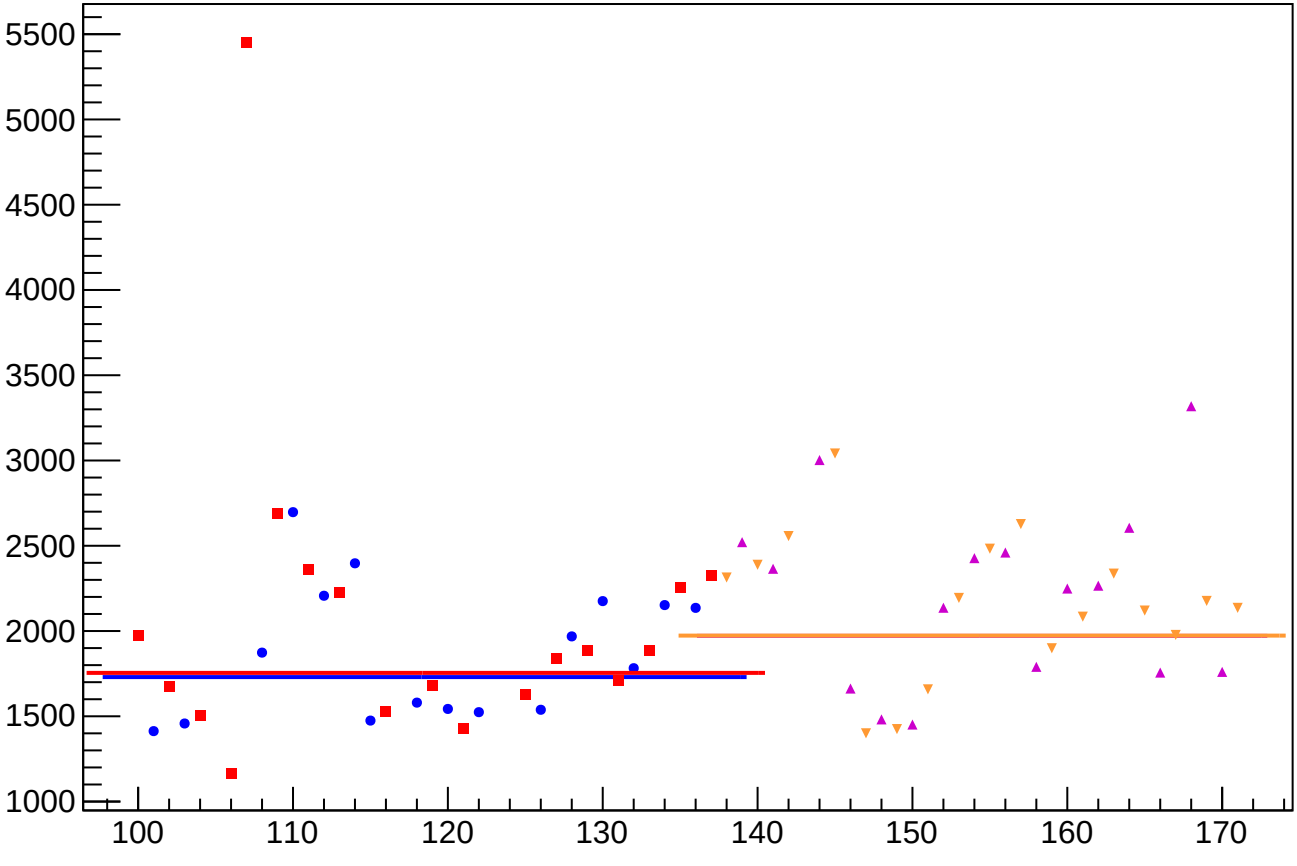
Right: -359.404+/-472.337 χ^2/NDF: 30.5/33

In: 149.773+/-426.602 χ^2/NDF:25.5/31

Out: -330.746+/-429.753 χ^2/NDF:39.4/34

All: -88.719+/-302.761 χ^2/NDF: 65.5/66

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: 1971.554+/-0.396 χ^2/NDF:1410408.4/15

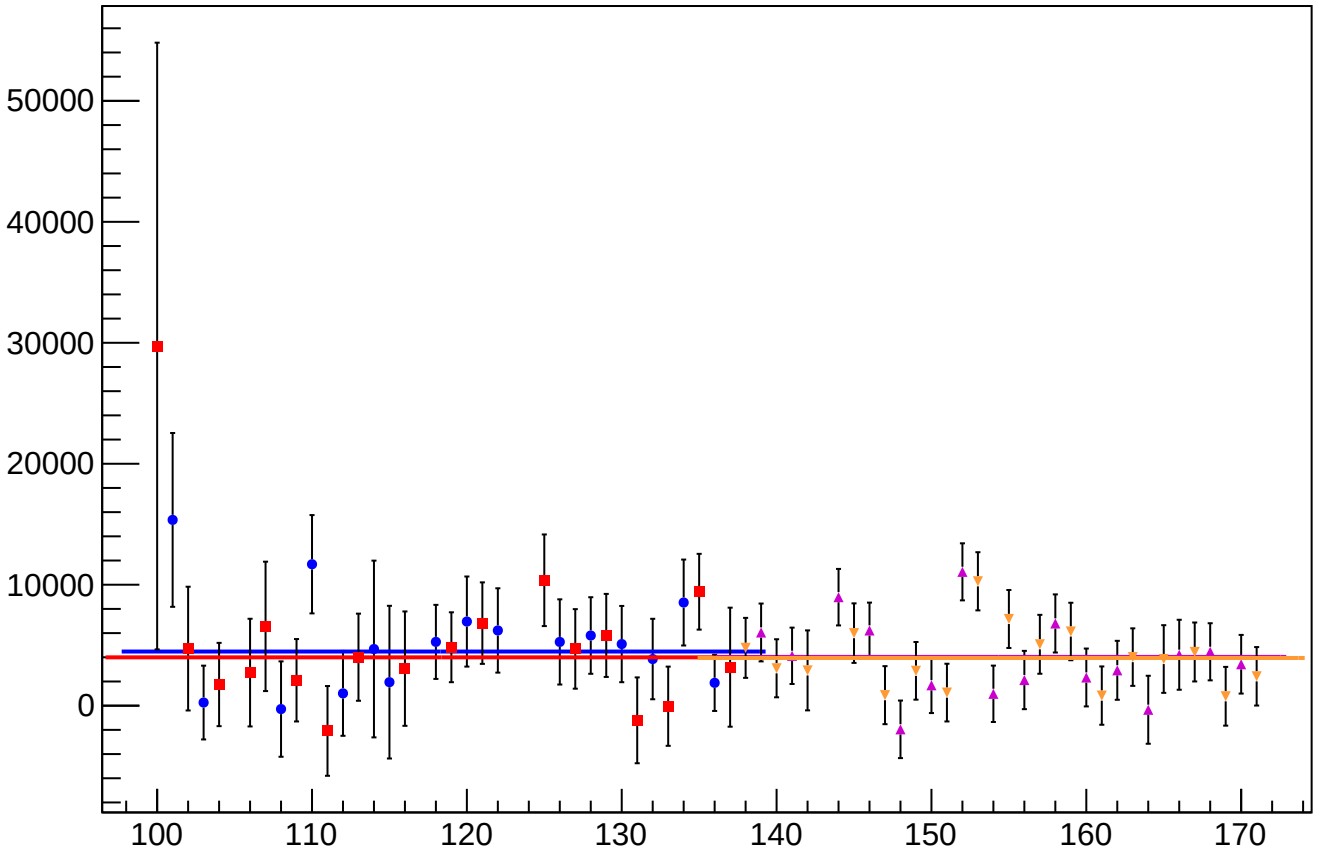
Left: 1972.369+/-0.279 χ^2/NDF: 2576675.9/32

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1870.041+/-0.302 χ^2/NDF:2046649.3/31

Out: 1885.381+/-0.304 χ^2/NDF:2041669.8/34

All: 1877.655+/-0.214 χ^2/NDF: 4089602.5/66



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: 4031.023+/-603.519 χ^2/NDF:29.3/15

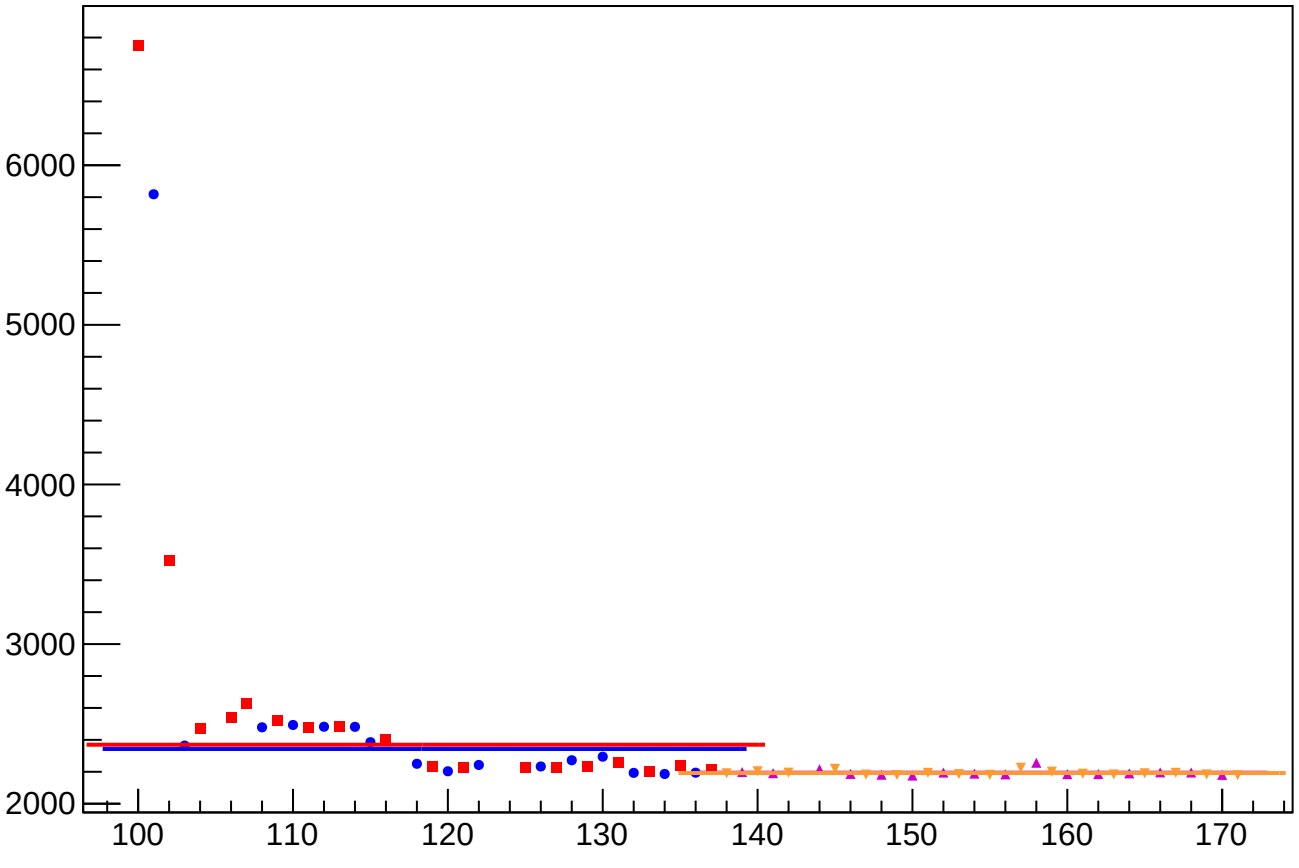
Left: 3986.953+/-424.756 χ^2/NDF: 47.2/32

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4172.171+/-498.809 χ^2/NDF:43.0/31

Out: 3959.891+/-496.387 χ^2/NDF:33.4/34

All: 4065.514+/-351.852 χ^2/NDF: 76.5/66



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: 2194.366+/-0.427 χ^2/NDF:1906.7/15

Left: 2193.225+/-0.300 χ^2/NDF: 2859.8/32

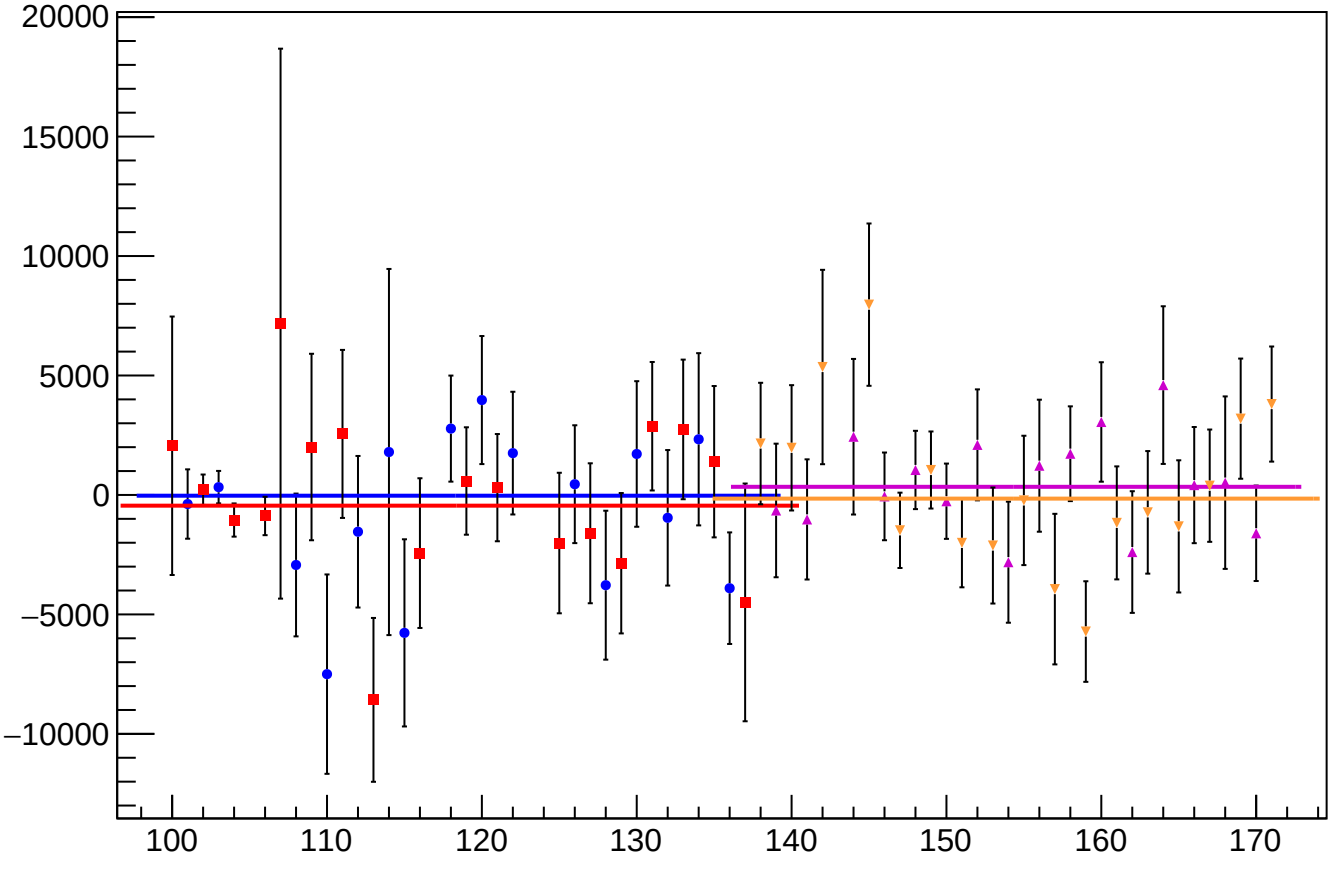
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2241.440+/-0.353 χ^2/NDF:543170.2/31

Out: 2247.256+/-0.351 χ^2/NDF:265841.8/34

All: 2244.362+/-0.249 χ^2/NDF: 809148.6/66

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: 340.792+/-569.679 χ^2/NDF:8.9/15

Left: 91.875+/-401.281 χ^2/NDF: 34.5/32

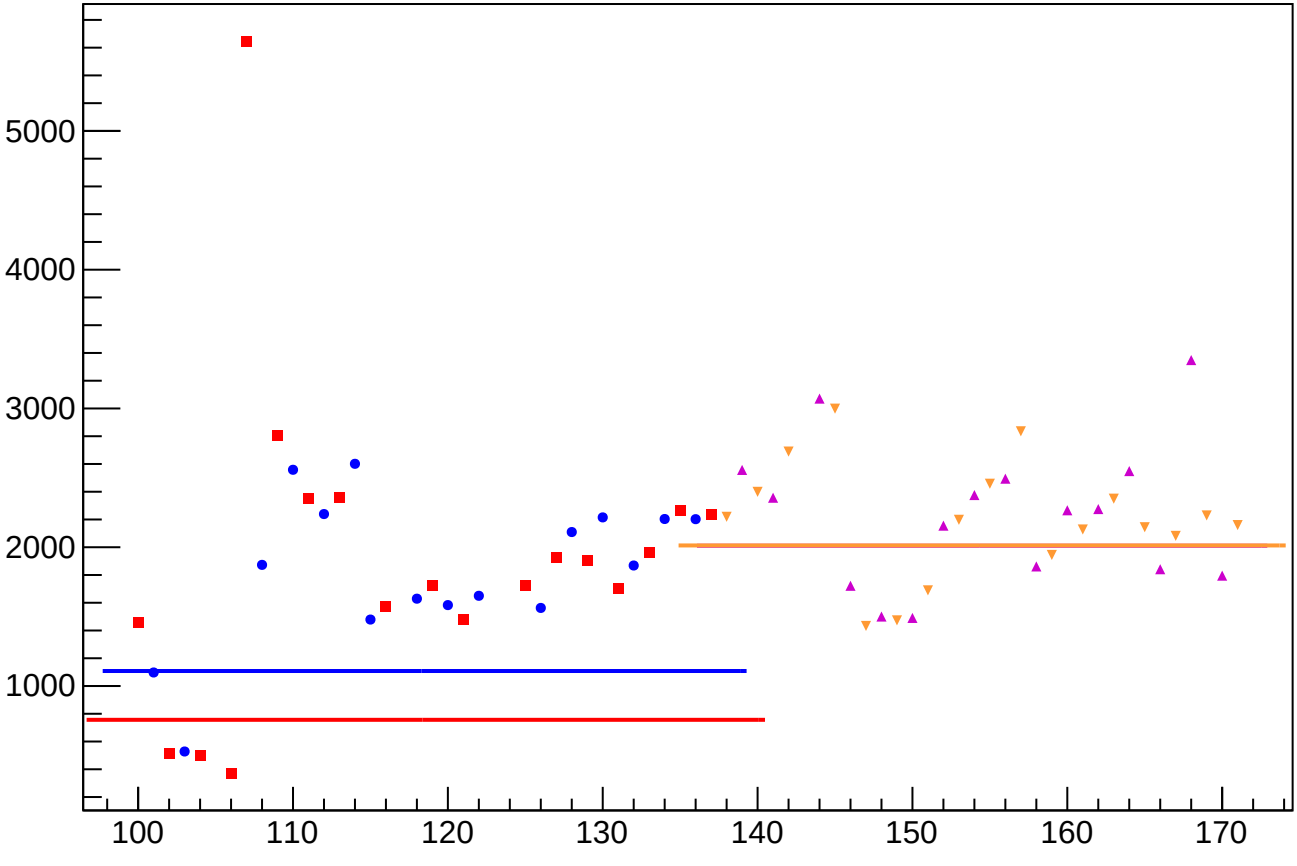
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 125.131+/-369.438 χ^2/NDF:25.4/31

Out: -362.289+/-305.198 χ^2/NDF:40.6/34

All: -164.575+/-235.293 χ^2/NDF: 67.1/66

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.139+/-0.343 χ^2/NDF: 3746477.0/15

Left Out: 2012.939+/-0.400 χ^2/NDF:1107433.2/16

Right Out: 756.419+/-0.256 χ^2/NDF: 5603215.5/17

Left In: 2010.747+/-0.403 χ^2/NDF:1312699.4/15

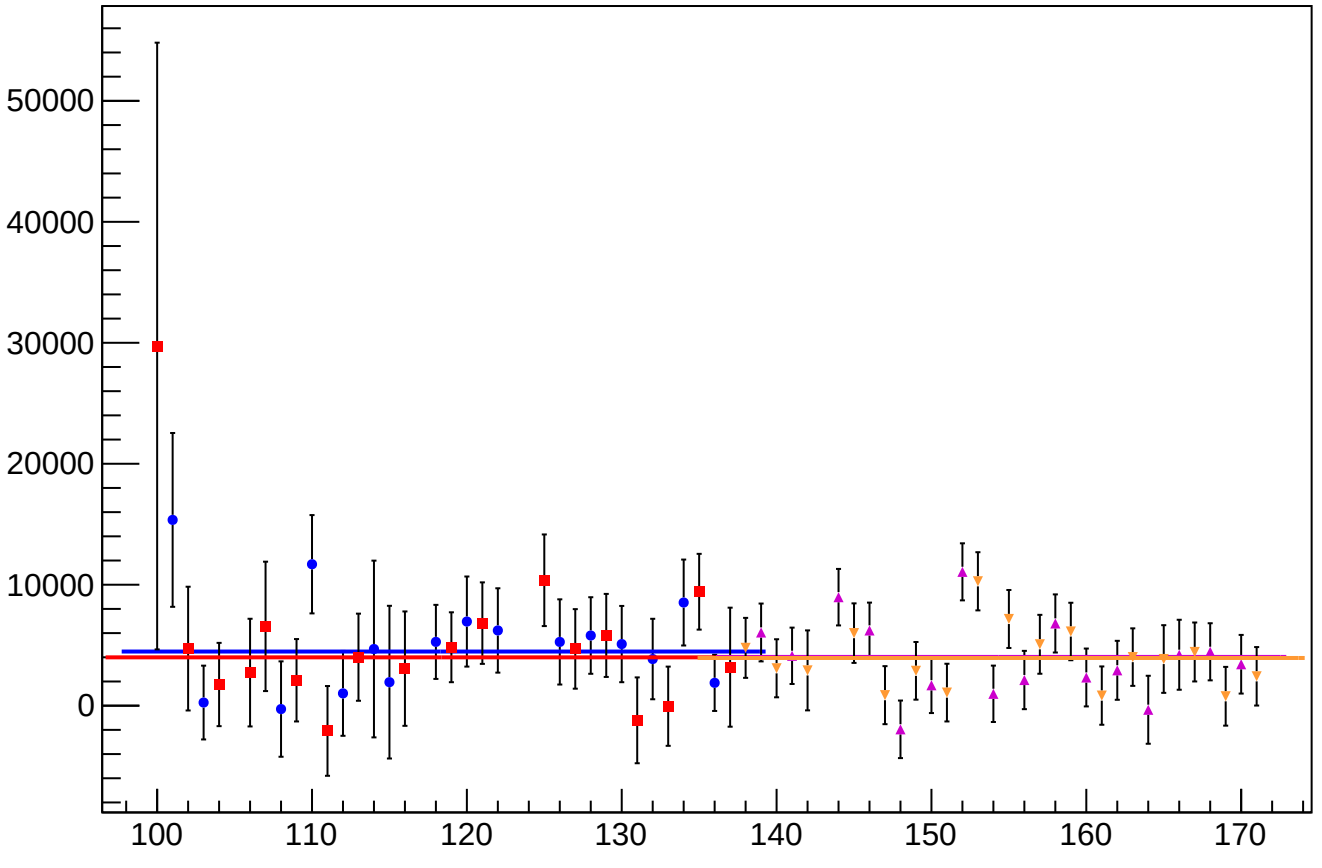
Left: 2011.851+/-0.284 χ^2/NDF: 2420147.5/32

Right: 882.403+/-0.205 χ^2/NDF: 10023844.2/33

In: 1487.736+/-0.261 χ^2/NDF:7968416.1/31

Out: 1122.615+/-0.216 χ^2/NDF:13711137.8/34

All: 1270.720+/-0.166 χ^2/NDF: 22840668.1/6



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: 4031.024+/-603.519 χ^2/NDF:29.3/15

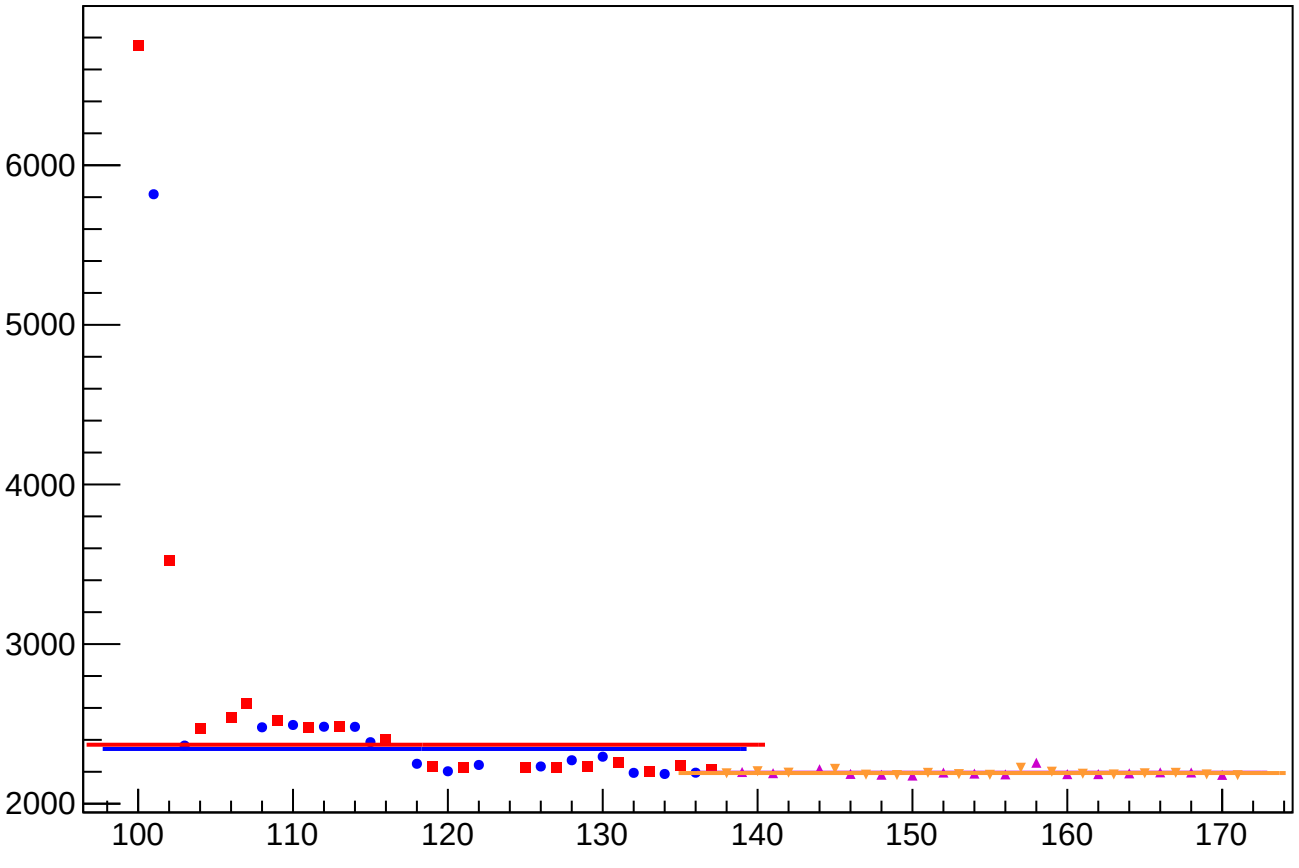
Left: 3986.952+/-424.756 χ^2/NDF: 47.2/32

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4172.170+/-498.809 χ^2/NDF:43.0/31

Out: 3959.889+/-496.387 χ^2/NDF:33.4/34

All: 4065.513+/-351.852 χ^2/NDF: 76.5/66



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: 2194.366+/-0.427 χ^2/NDF:1906.7/15

Left: 2193.225+/-0.300 χ^2/NDF: 2859.8/32

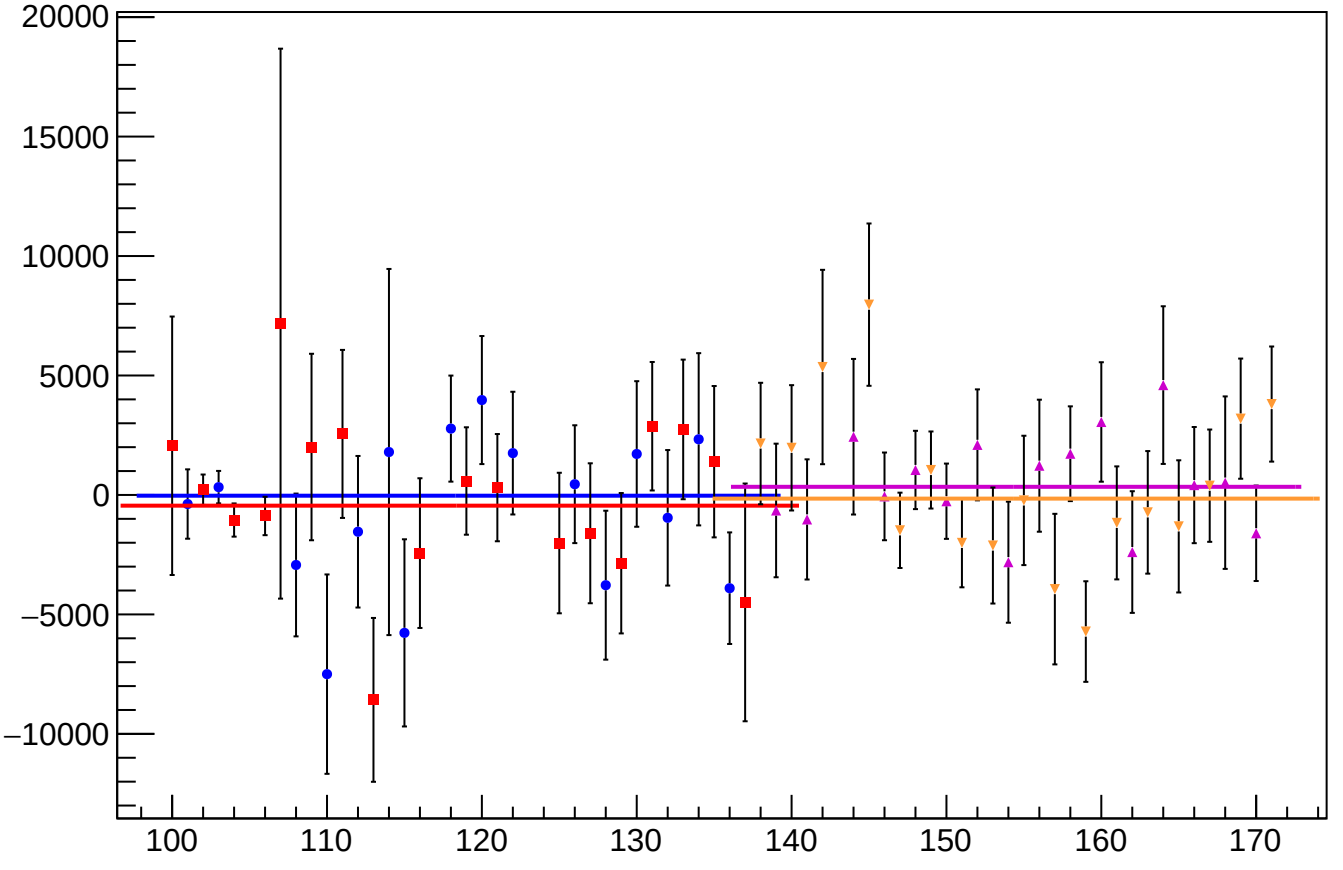
Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

In: 2241.440+/-0.353 χ^2/NDF:543169.9/31

Out: 2247.256+/-0.351 χ^2/NDF:265840.4/34

All: 2244.362+/-0.249 χ^2/NDF: 809147.0/66

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.400+/-485.331 χ^2/NDF: 16.3/15

Left Out: -153.270+/-565.341 χ^2/NDF:25.3/16

Right Out: -448.265+/-362.575 χ^2/NDF: 15.1/17

Left In: 340.793+/-569.680 χ^2/NDF:8.9/15

Left: 91.873+/-401.282 χ^2/NDF: 34.5/32

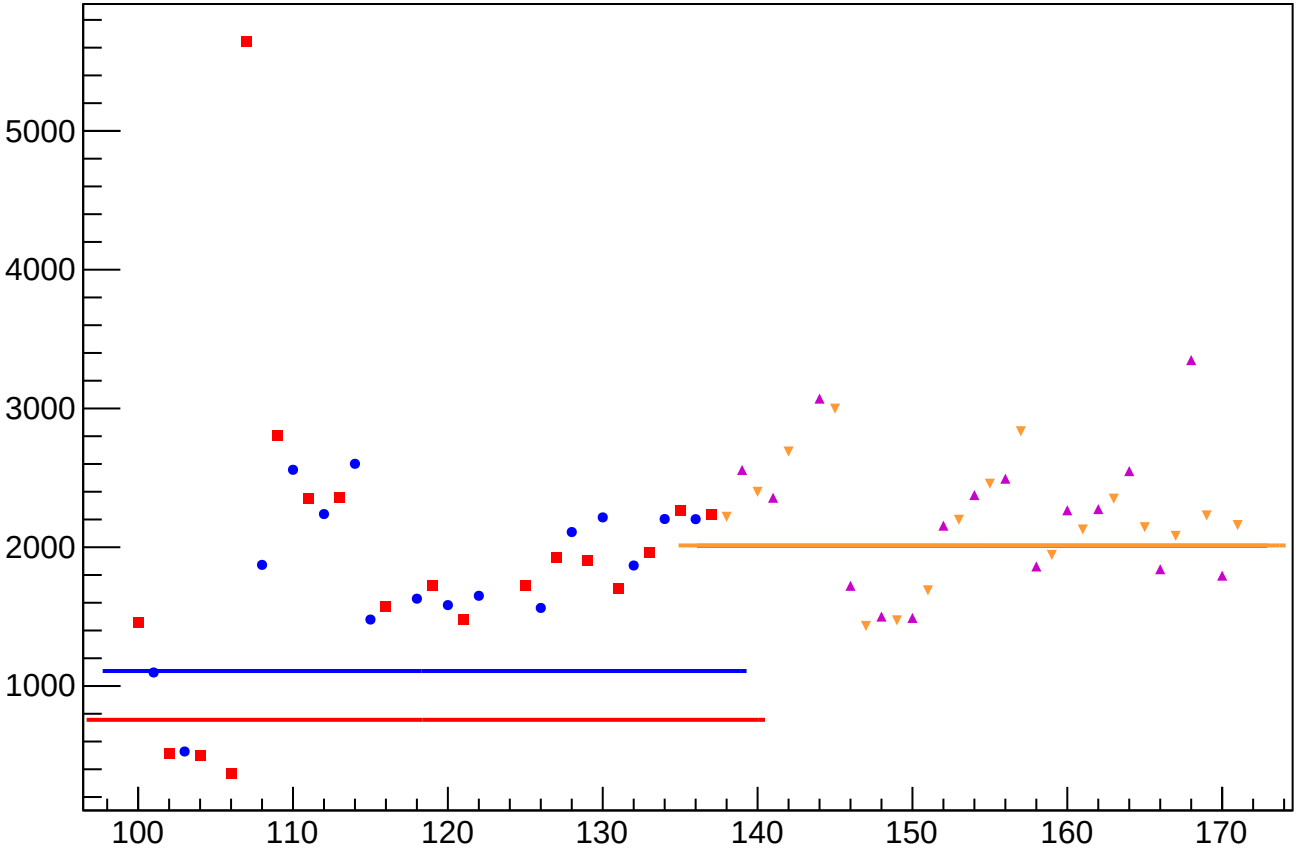
Right: -298.945+/-290.468 χ^2/NDF: 31.9/33

In: 125.129+/-369.440 χ^2/NDF:25.4/31

Out: -362.291+/-305.201 χ^2/NDF:40.6/34

All: -164.576+/-235.295 χ^2/NDF: 67.1/66

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: 2010.751+/-0.403 χ^2/NDF:1312698.5/15

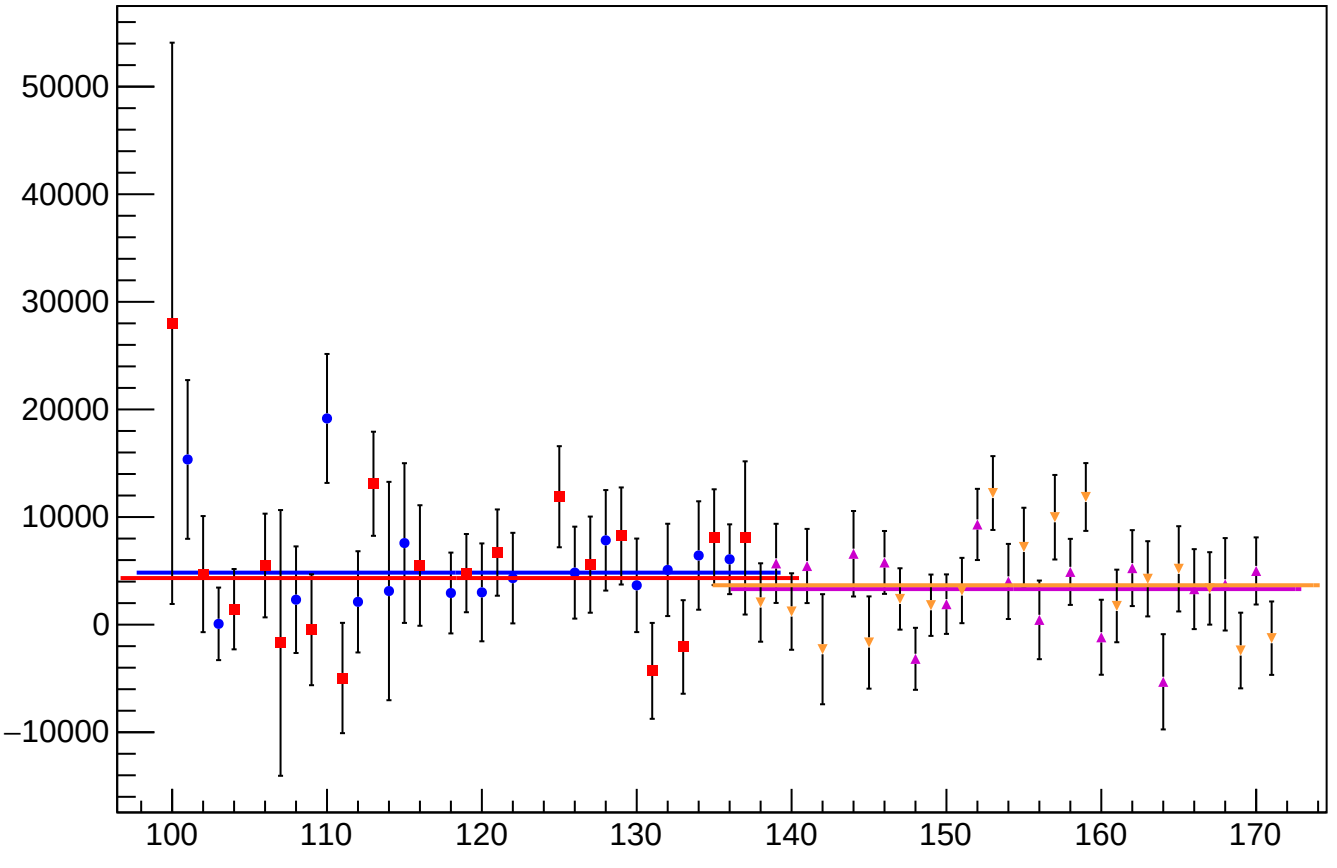
Left: 2011.855+/-0.284 χ^2/NDF: 2420146.7/32

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1487.745+/-0.261 χ^2/NDF:7968281.4/31

Out: 1122.632+/-0.216 χ^2/NDF:13710821.0/34

All: 1270.735+/-0.166 χ^2/NDF: 22840146.1/6



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: 3304.674+/-849.001 χ^2/NDF:17.8/15

Left: 3485.105+/-597.273 χ^2/NDF: 44.2/32

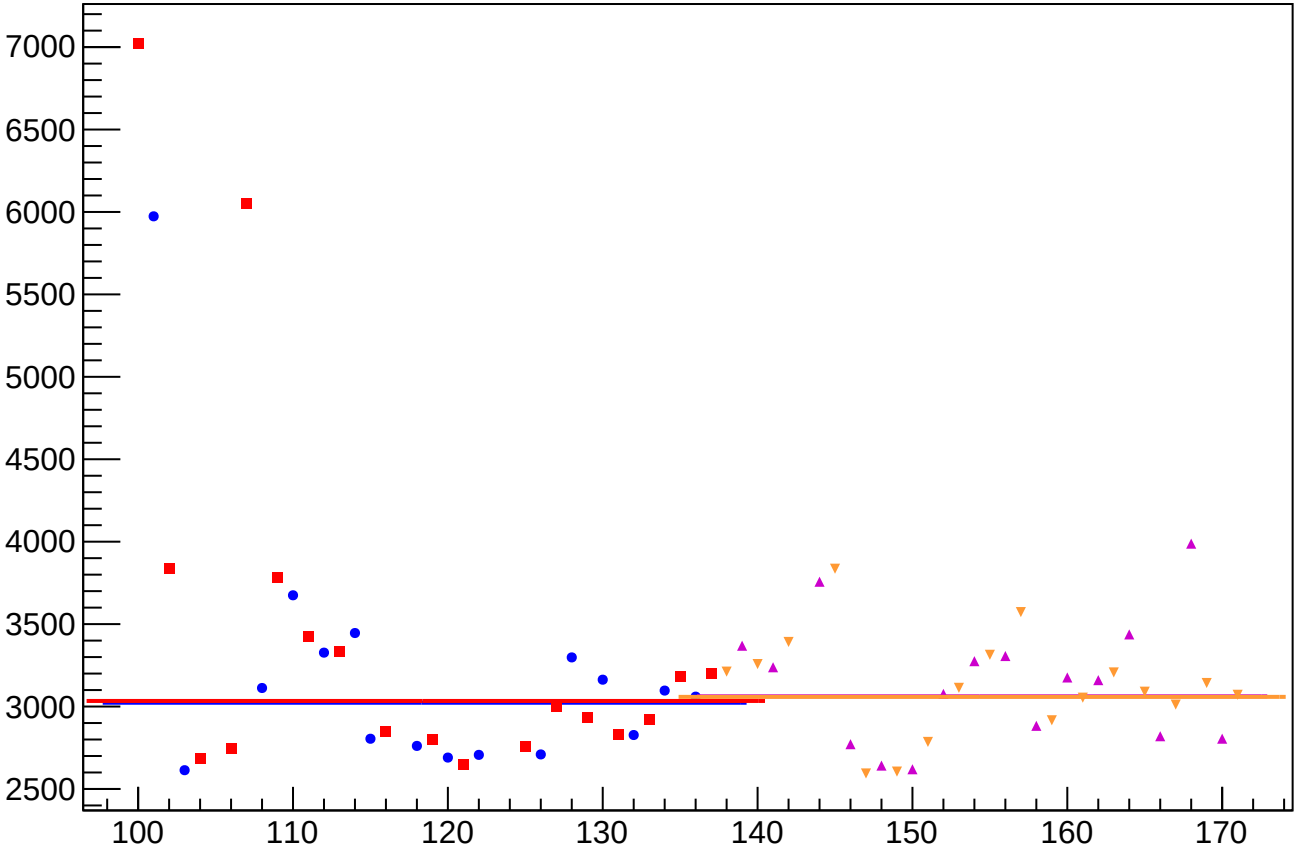
Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 3848.653+/-681.456 χ^2/NDF:30.6/31

Out: 3895.442+/-677.404 χ^2/NDF:46.5/34

All: 3872.187+/-480.423 χ^2/NDF: 77.1/66

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: 3062.042+/-0.600 χ^2/NDF:350230.3/15

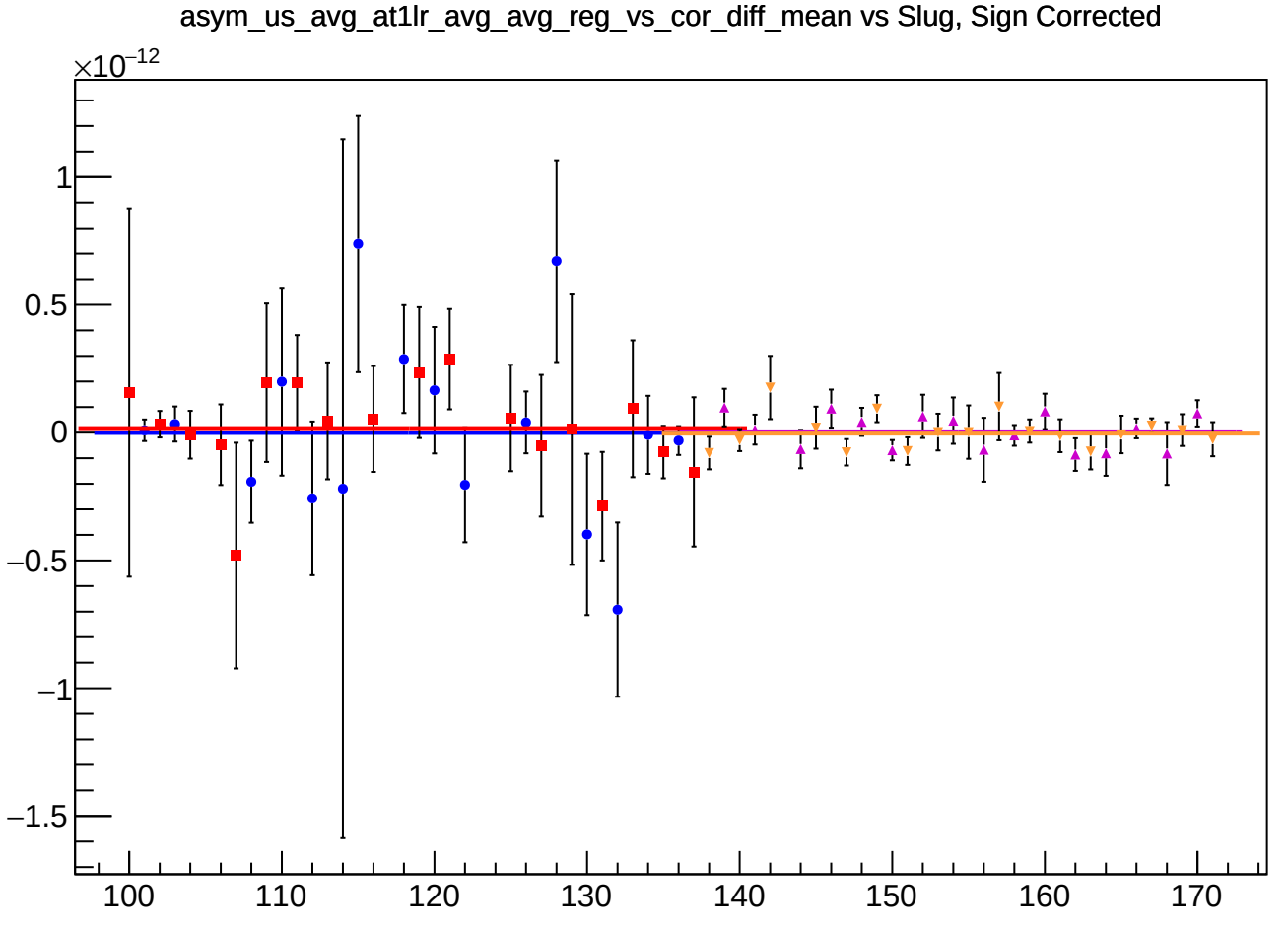
Left: 3060.339+/-0.422 χ^2/NDF: 608046.4/32

Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3048.177+/-0.482 χ^2/NDF:795435.3/31

Out: 3049.983+/-0.479 χ^2/NDF:601085.1/34

All: 3049.086+/-0.340 χ^2/NDF: 1396527.5/66



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:15.7/15

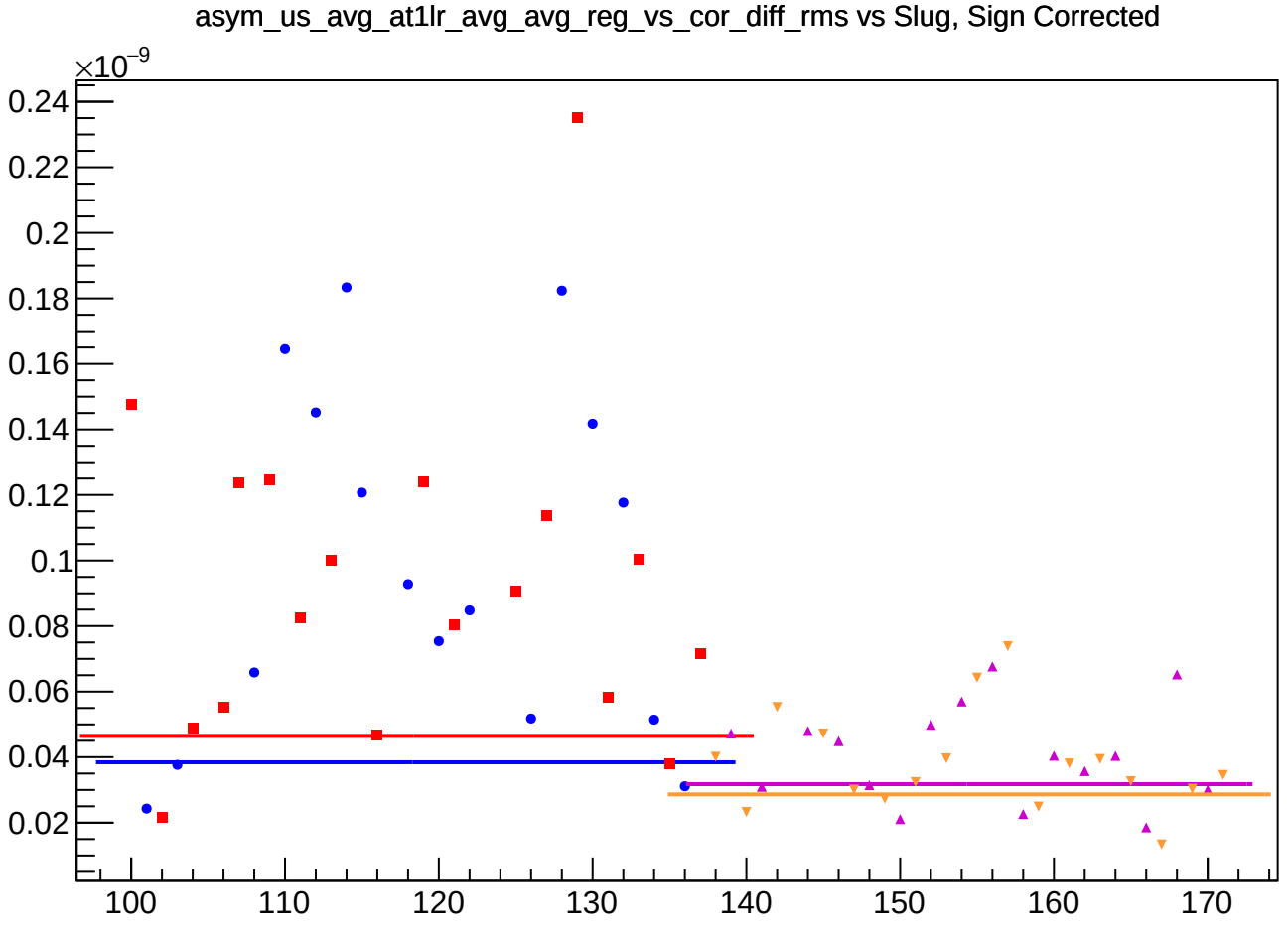
Left: 0.000+/-0.000 χ^2/NDF: 30.0/32

Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

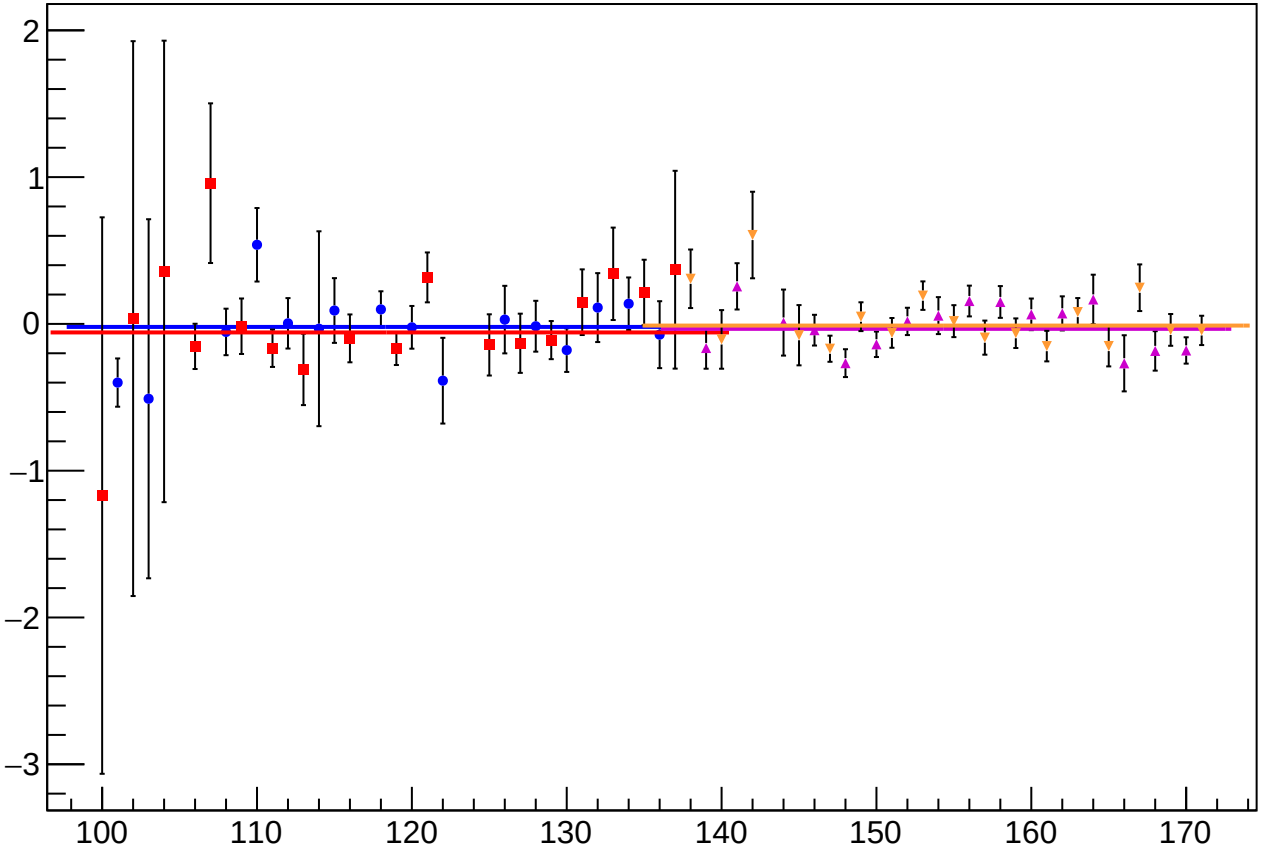
In: 0.000+/-0.000 χ^2/NDF:32.8/31

Out: -0.000+/-0.000 χ^2/NDF:23.4/34

All: 0.000+/-0.000 χ^2/NDF: 56.3/66


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:1344775.5/15
Left: 0.000+/-0.000 χ²/NDF: 2918502.9/32
Right: 0.000+/-0.000 χ²/NDF: 3535596.3/33
In: 0.000+/-0.000 χ²/NDF:3208240.7/31
Out: 0.000+/-0.000 χ²/NDF:3685178.6/34
All: 0.000+/-0.000 χ²/NDF: 6922820.3/66

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: -0.034+/-0.029 χ^2/NDF:27.3/15

Left: -0.022+/-0.020 χ^2/NDF: 50.4/32

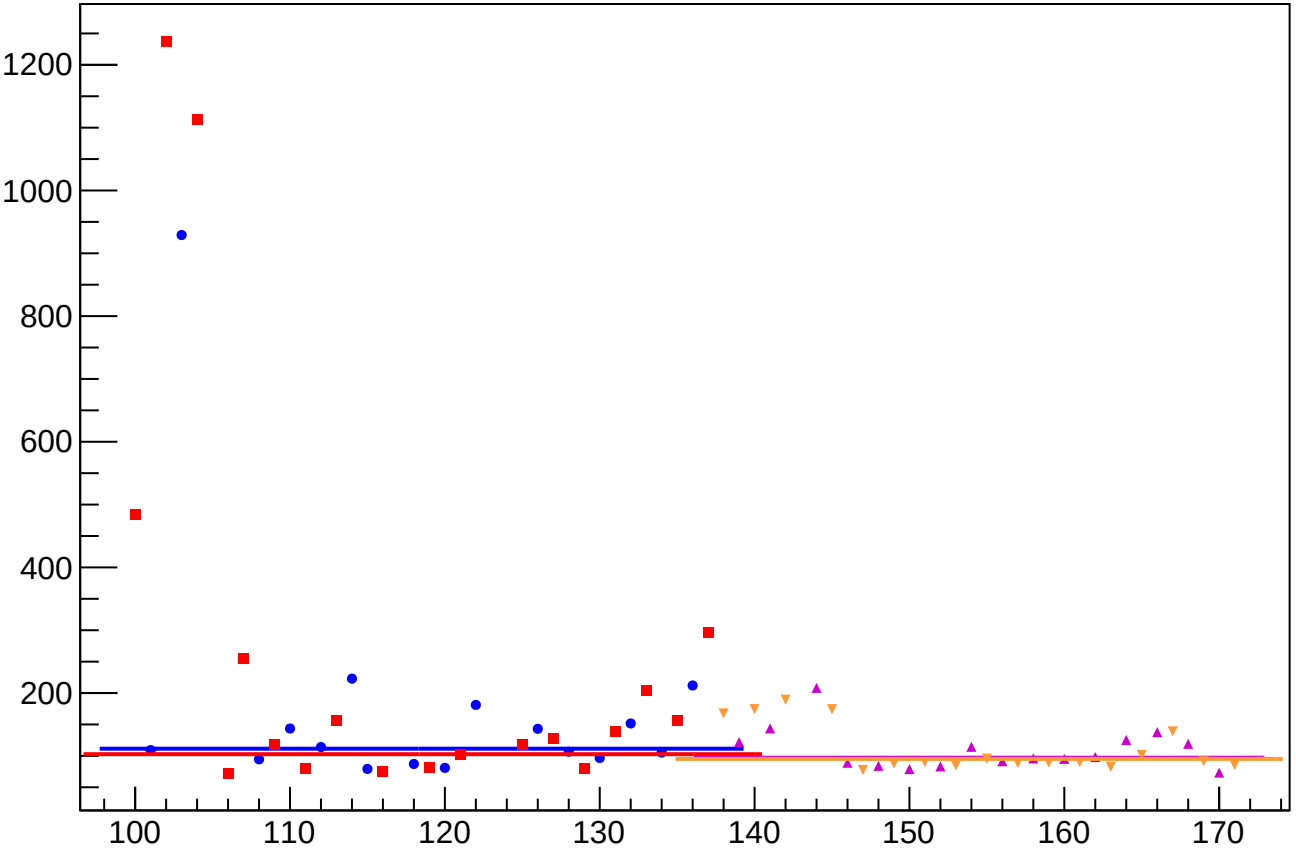
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.027+/-0.017 χ^2/NDF: 83.4/66

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: 97.050+/-0.020 χ^2/NDF:1291688.9/15

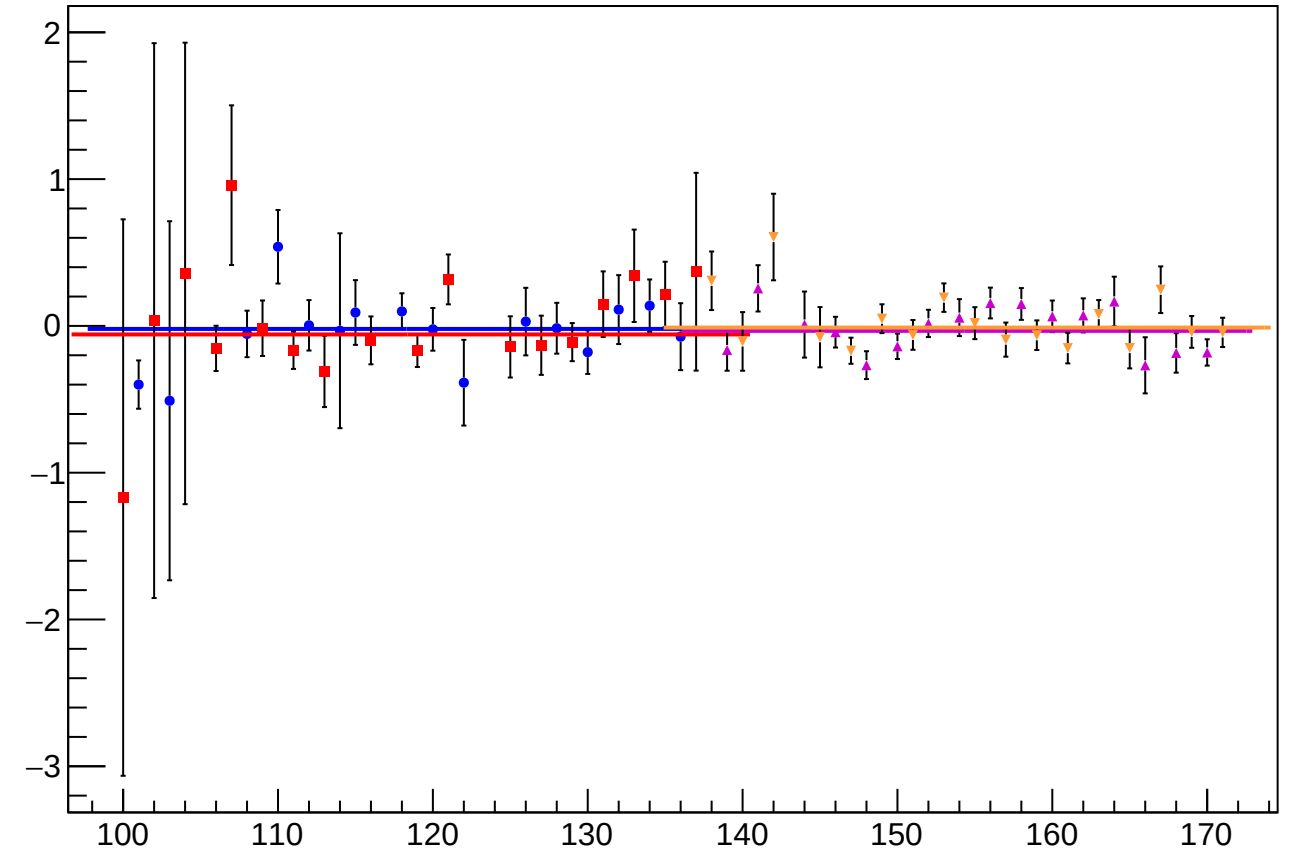
Left: 96.098+/-0.014 χ^2/NDF: 2724825.0/32

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.900+/-0.017 χ^2/NDF:3264034.6/31

Out: 97.208+/-0.017 χ^2/NDF:4293724.0/34

All: 99.012+/-0.012 χ^2/NDF: 7580676.1/66



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: -0.034+/-0.029 χ^2/NDF:27.3/15

Left: -0.022+/-0.020 χ^2/NDF: 50.4/32

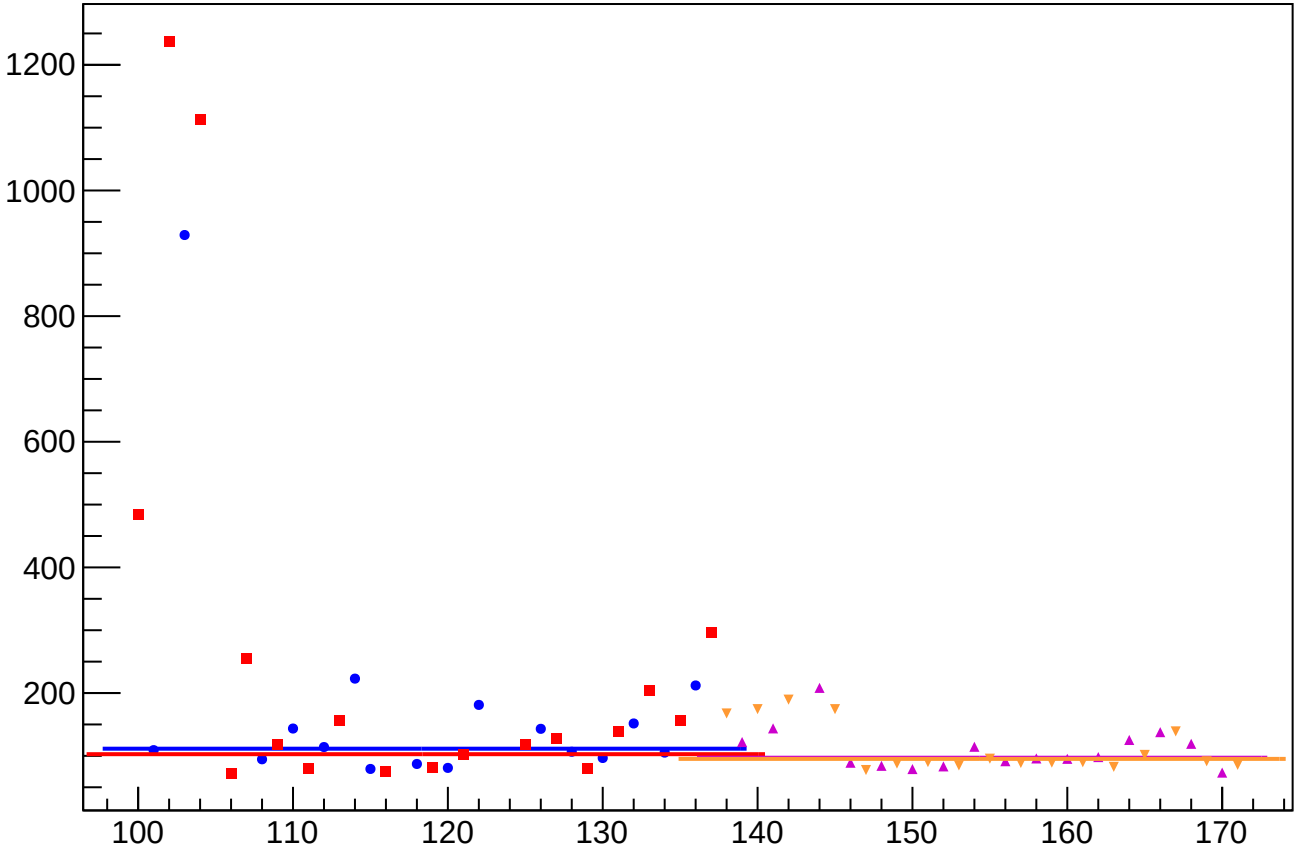
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.027+/-0.017 χ^2/NDF: 83.4/66

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: 97.050+/-0.020 χ^2/NDF:1291688.9/15

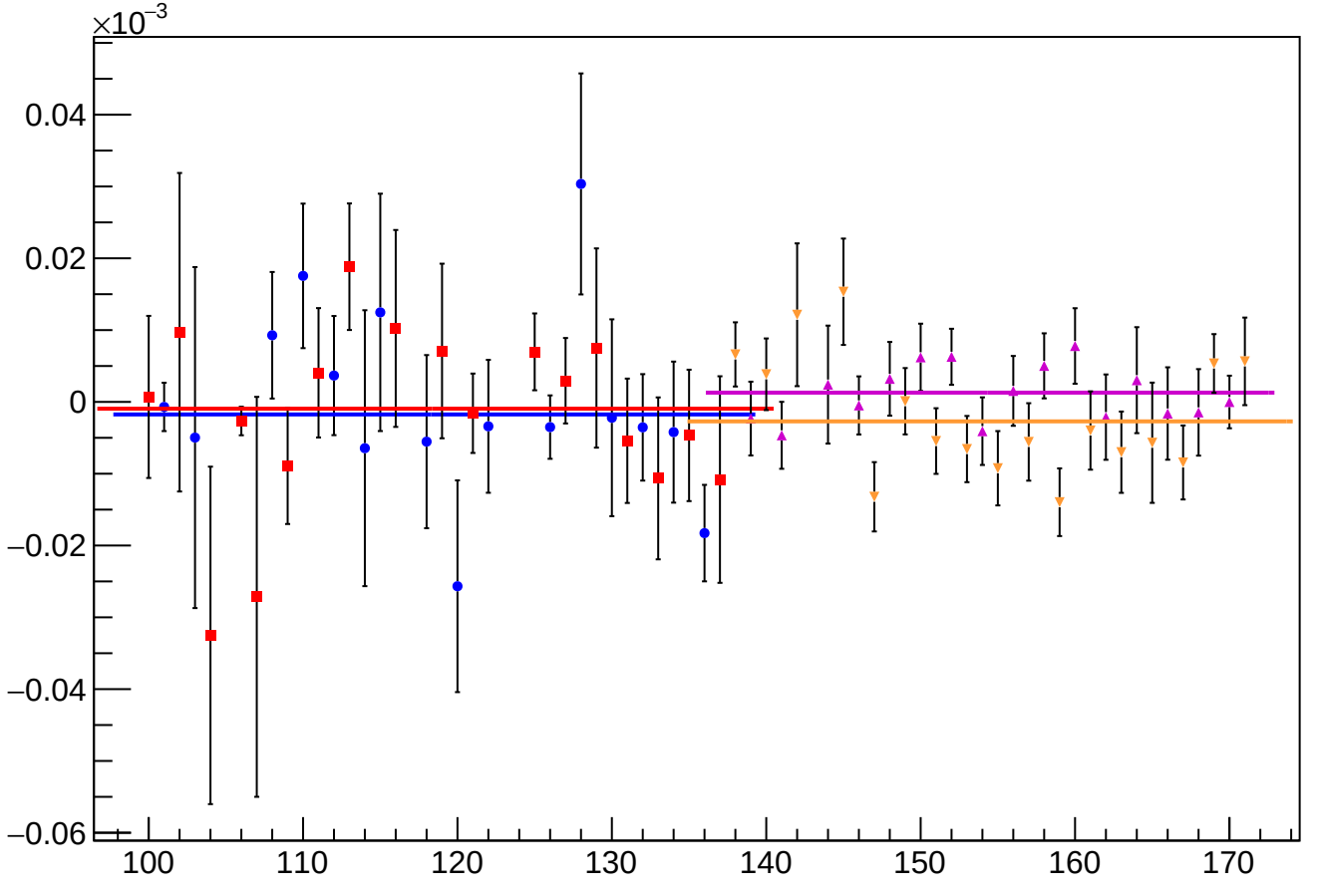
Left: 96.098+/-0.014 χ^2/NDF: 2724825.0/32

Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 100.900+/-0.017 χ^2/NDF:3264034.6/31

Out: 97.208+/-0.017 χ^2/NDF:4293724.0/34

All: 99.012+/-0.012 χ^2/NDF: 7580676.1/66



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:9.6/15

Left: -0.000+/-0.000 χ^2/NDF: 50.5/32

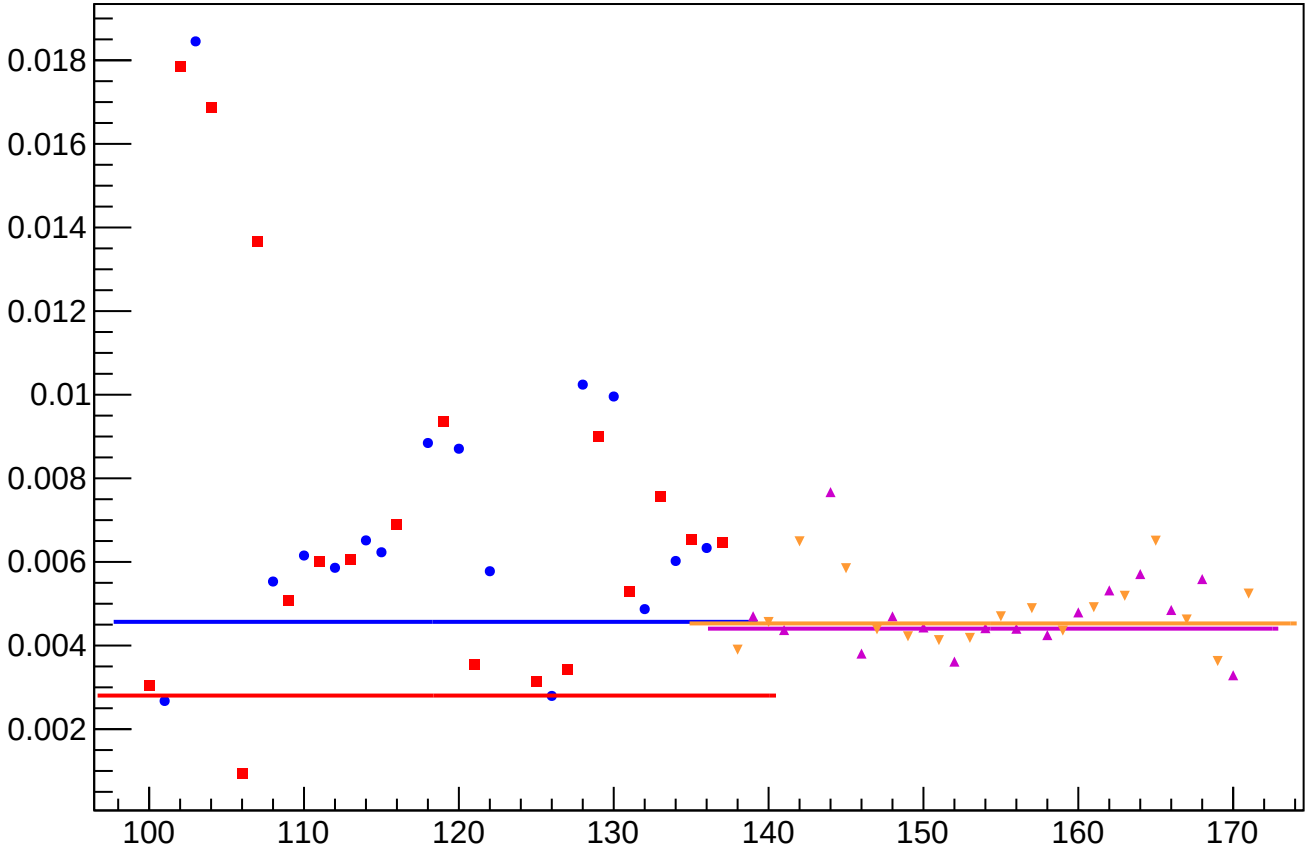
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.4/31

Out: -0.000+/-0.000 χ^2/NDF:52.3/34

All: -0.000+/-0.000 χ^2/NDF: 86.5/66

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:850620.7/15

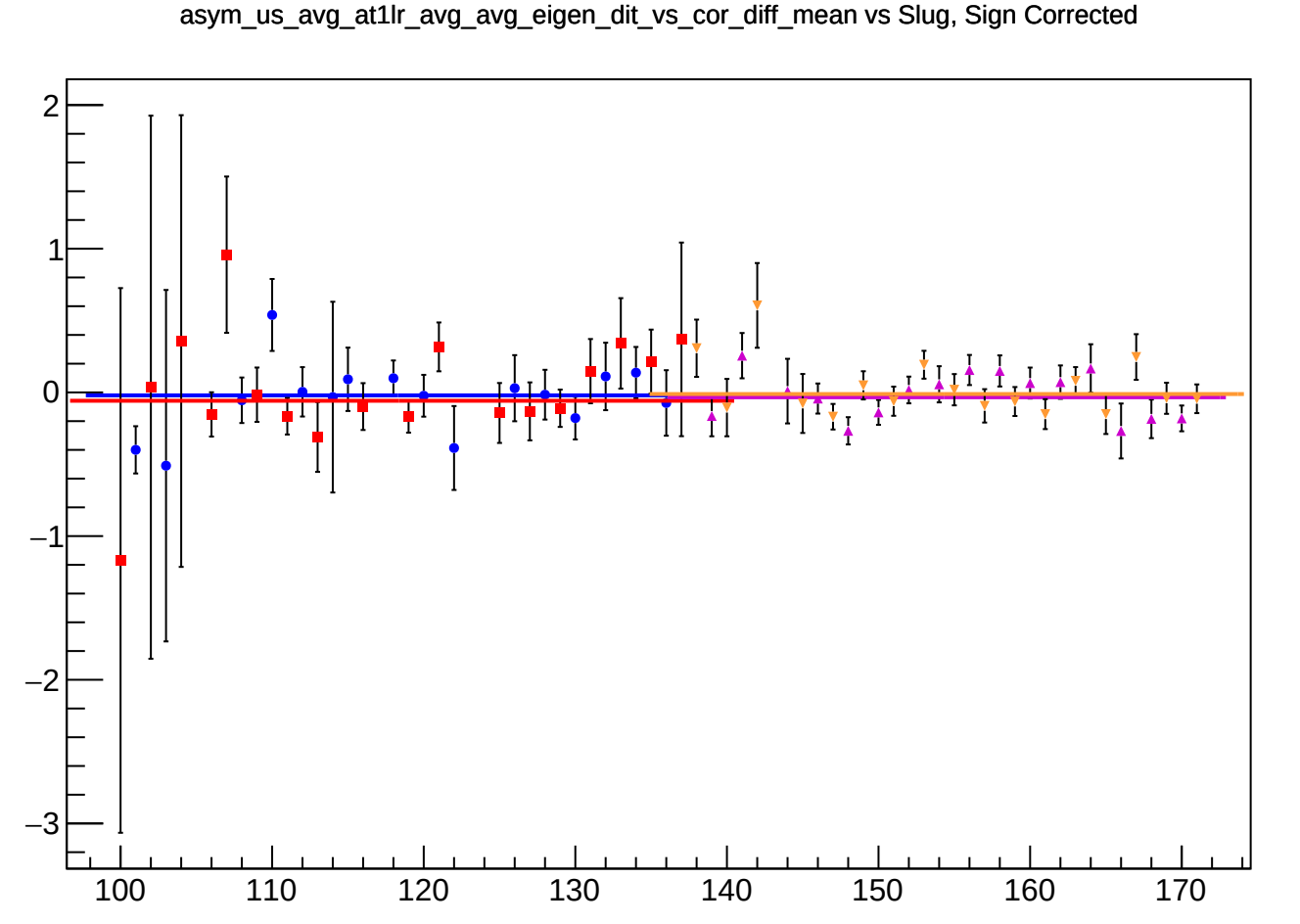
Left: 0.004+/-0.000 χ^2/NDF: 1366651.4/32

Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3872979.7/31

Out: 0.004+/-0.000 χ^2/NDF:8687818.4/34

All: 0.004+/-0.000 χ^2/NDF: 12985206.6/66



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: -0.034+/-0.029 χ^2/NDF:27.3/15

Left: -0.022+/-0.020 χ^2/NDF: 50.4/32

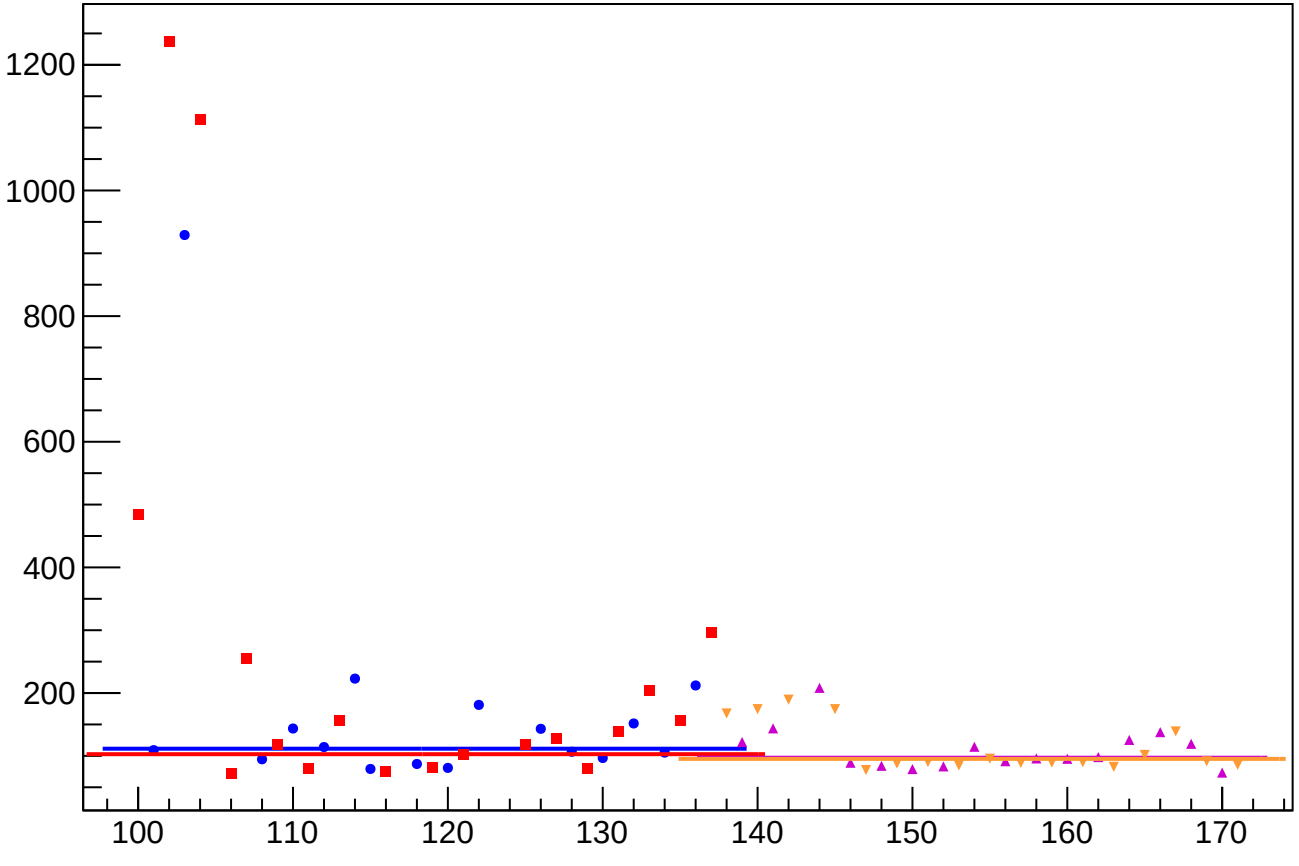
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.027+/-0.017 χ^2/NDF: 83.4/66

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: 97.051+/-0.020 χ^2/NDF:1291660.9/15

Left: 96.099+/-0.014 χ^2/NDF: 2724772.8/32

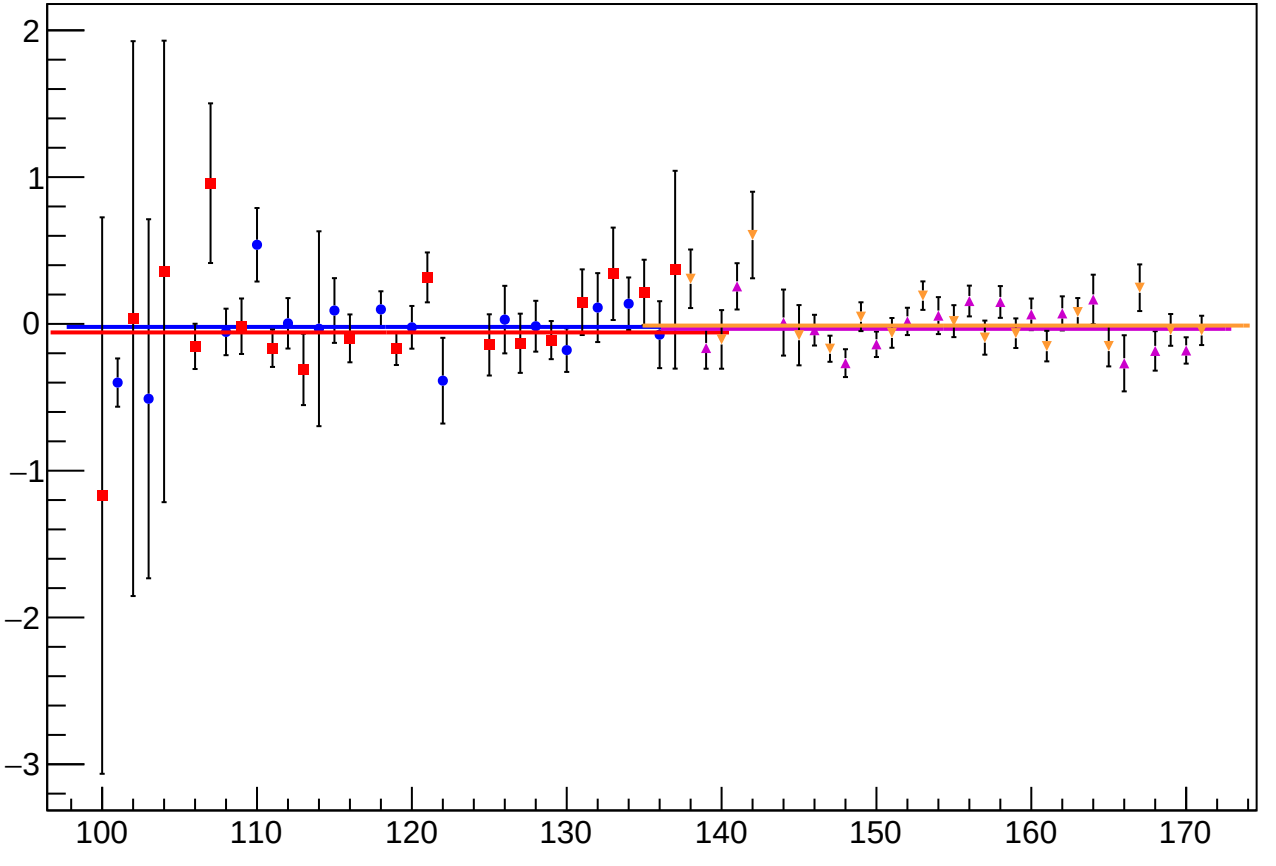
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.900+/-0.017 χ^2/NDF:3263997.2/31

Out: 97.208+/-0.017 χ^2/NDF:4293673.9/34

All: 99.012+/-0.012 χ^2/NDF: 7580583.9/66

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: -0.034+/-0.029 χ^2/NDF:27.3/15

Left: -0.022+/-0.020 χ^2/NDF: 50.4/32

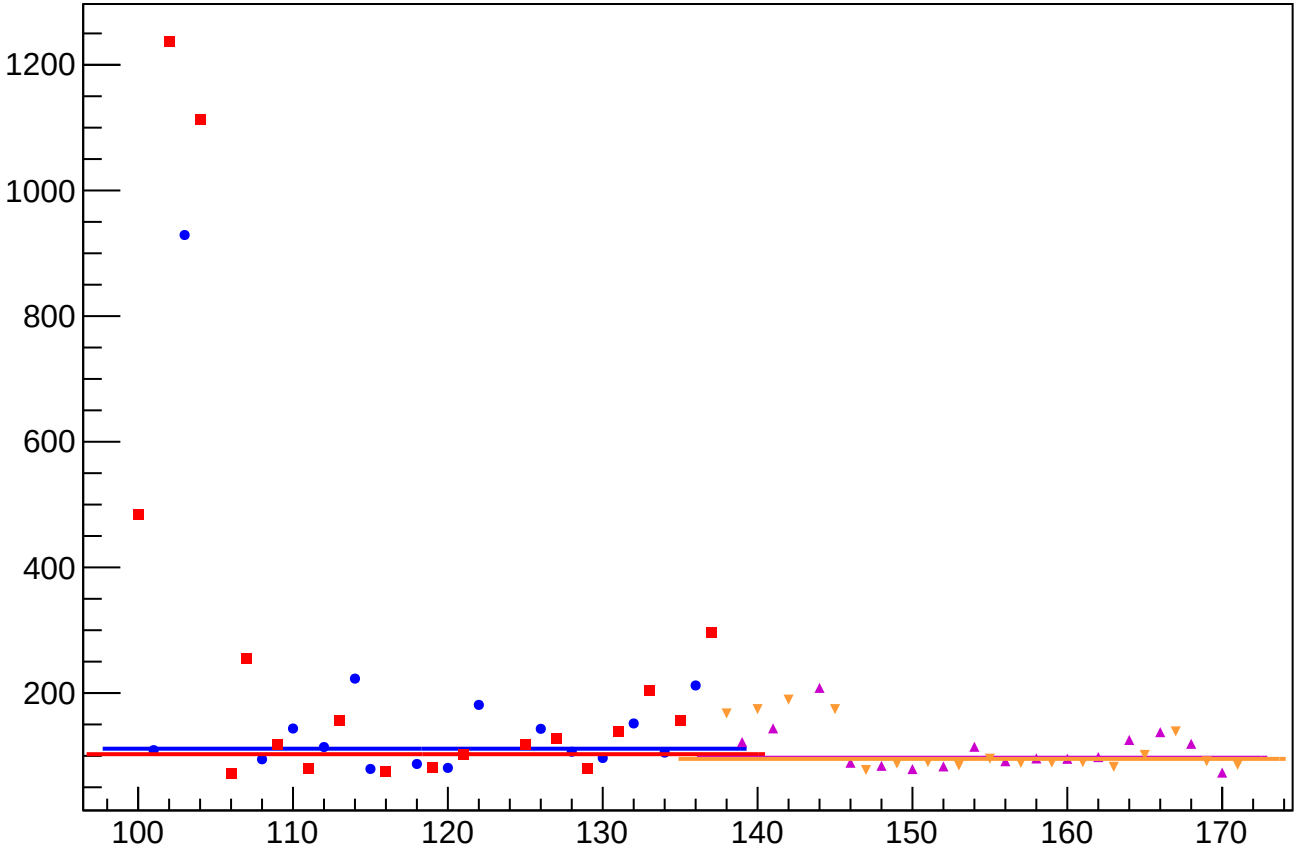
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.030+/-0.025 χ^2/NDF:43.0/31

Out: -0.024+/-0.024 χ^2/NDF:40.4/34

All: -0.027+/-0.017 χ^2/NDF: 83.4/66

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: 97.051+/-0.020 χ^2/NDF:1291660.9/15

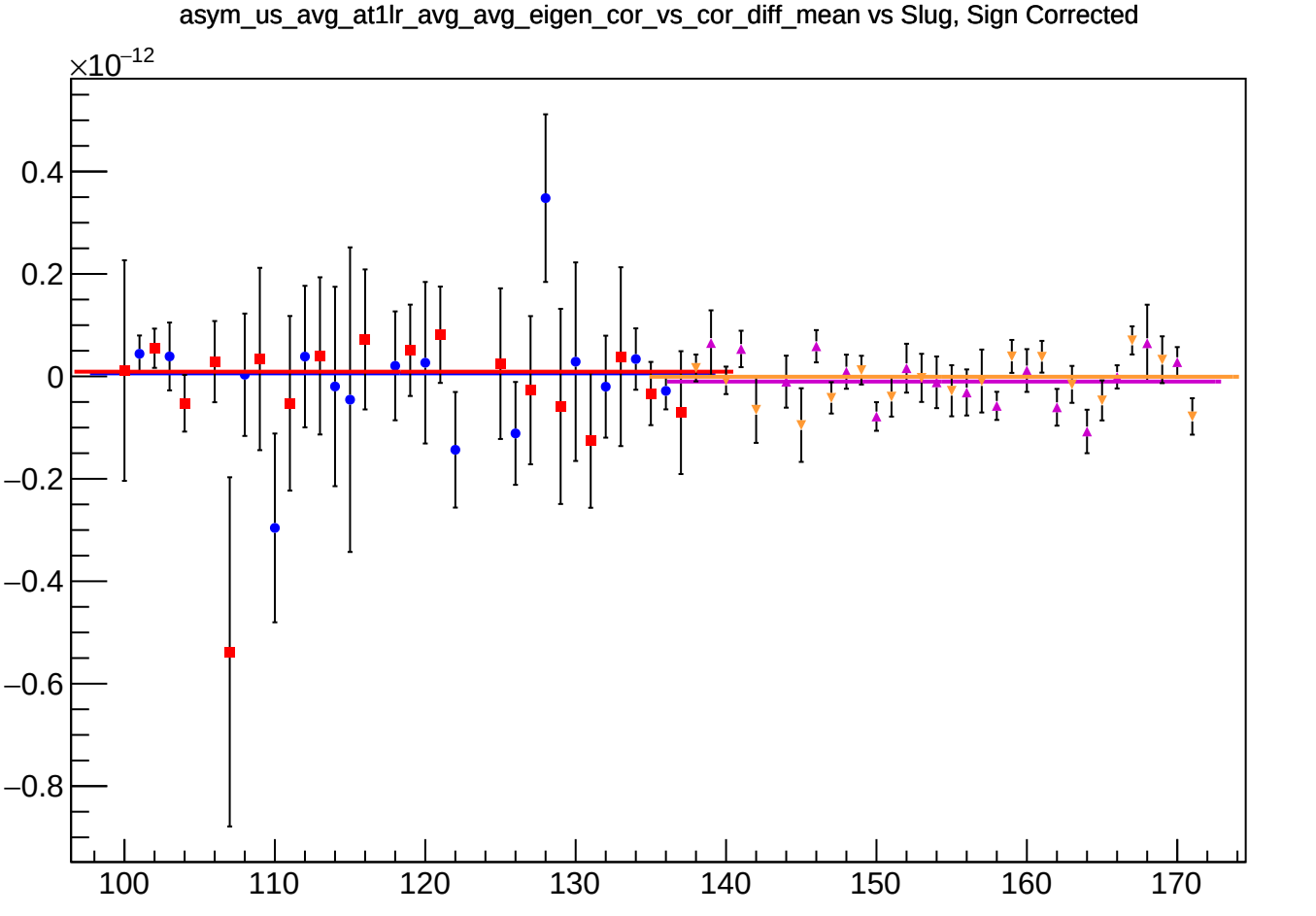
Left: 96.099+/-0.014 χ^2/NDF: 2724772.8/32

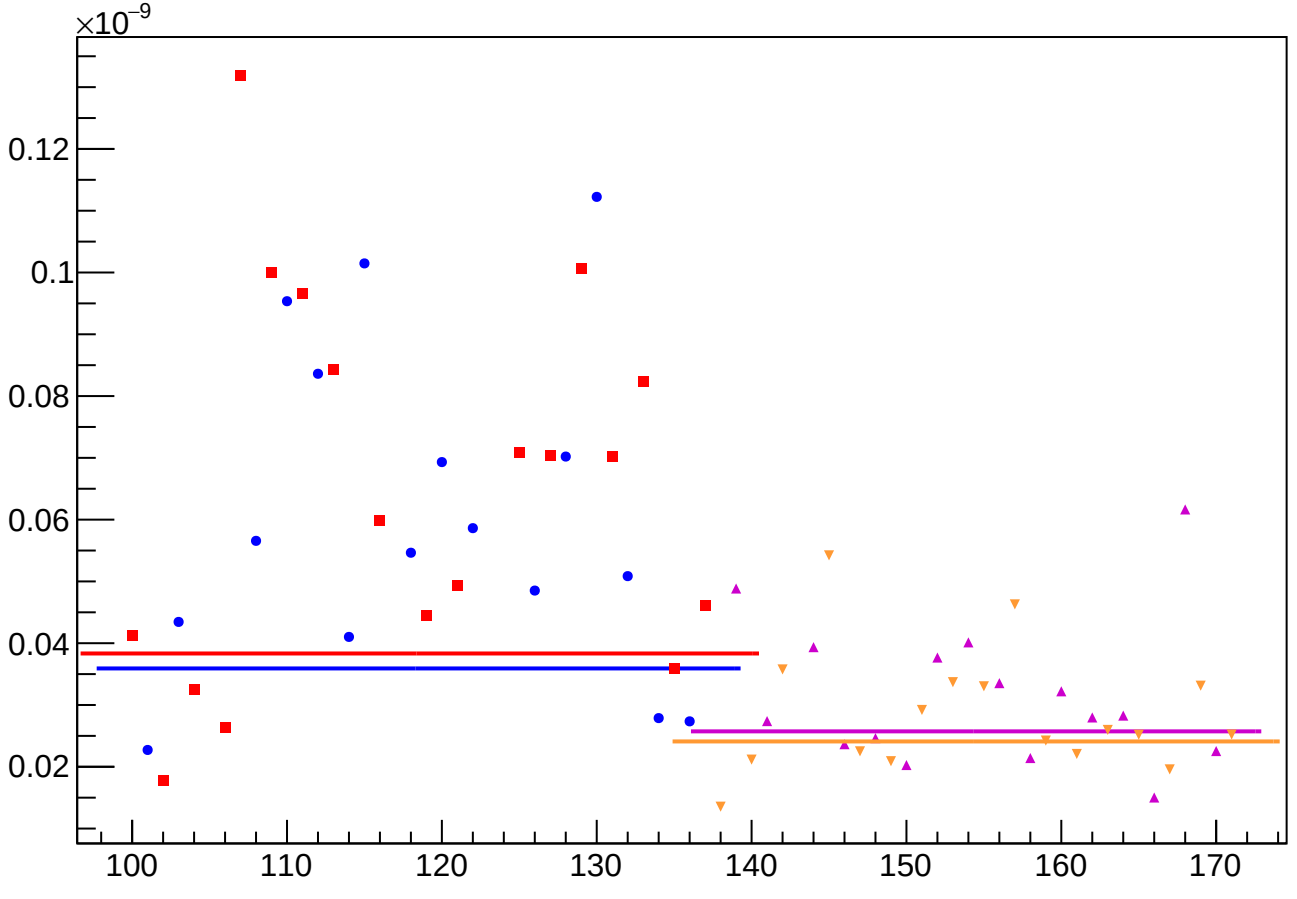
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 100.900+/-0.017 χ^2/NDF:3263997.2/31

Out: 97.208+/-0.017 χ^2/NDF:4293673.9/34

All: 99.012+/-0.012 χ^2/NDF: 7580583.9/66


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:29.5/15
Left: -0.000+/-0.000 χ²/NDF: 53.3/32
Right: 0.000+/-0.000 χ²/NDF: 21.6/33
In: -0.000+/-0.000 χ²/NDF:43.0/31
Out: 0.000+/-0.000 χ²/NDF:32.1/34
All: -0.000+/-0.000 χ²/NDF: 75.5/66



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:1886927.0/15

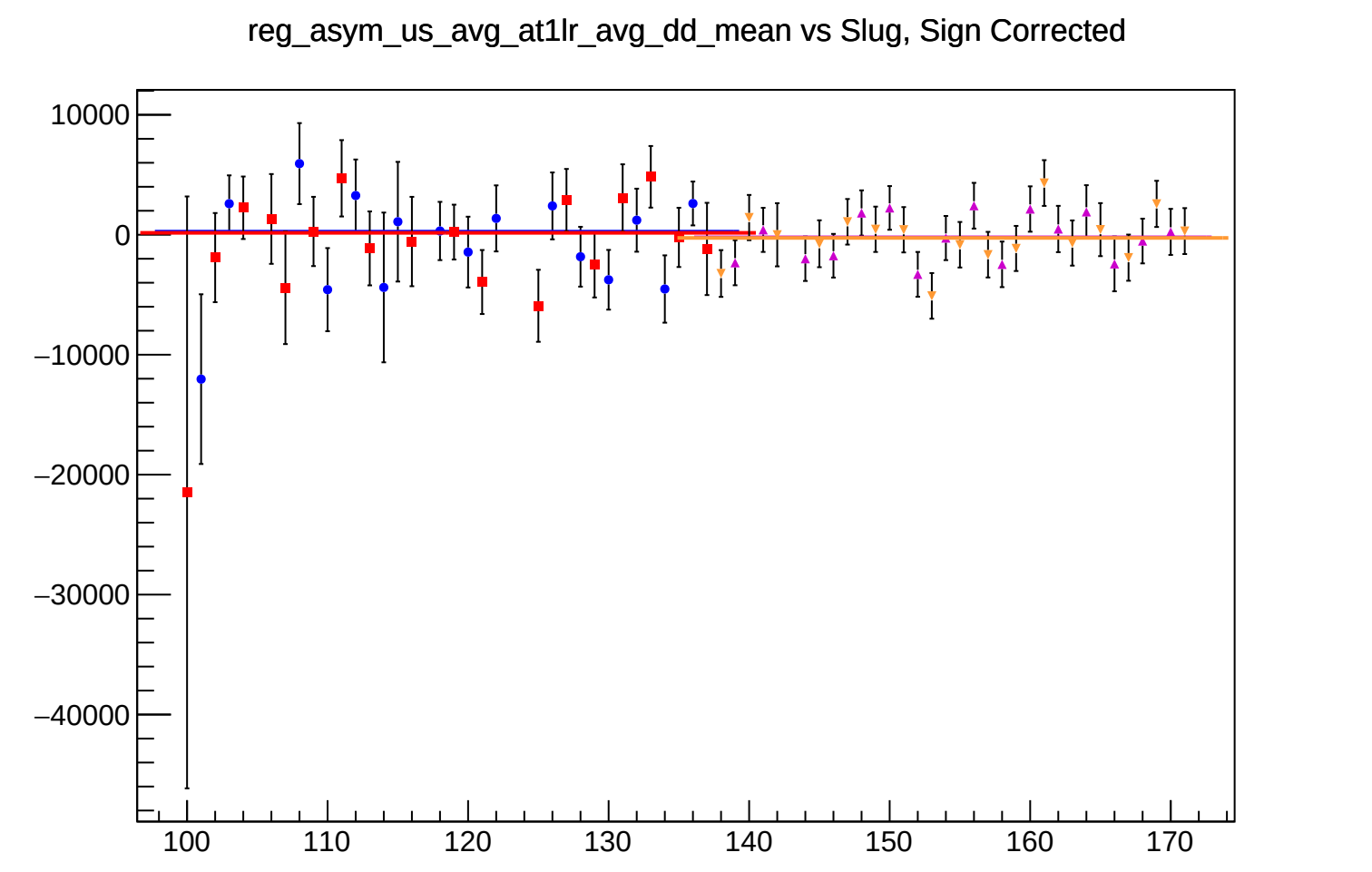
Left: 0.000+/-0.000 χ^2/NDF: 3309076.2/32

Right: 0.000+/-0.000 χ^2/NDF: 3975413.5/33

In: 0.000+/-0.000 χ^2/NDF:4108718.5/31

Out: 0.000+/-0.000 χ^2/NDF:4338562.0/34

All: 0.000+/-0.000 χ^2/NDF: 8481608.3/66



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: -216.559+/-477.242 χ^2/NDF:15.7/15

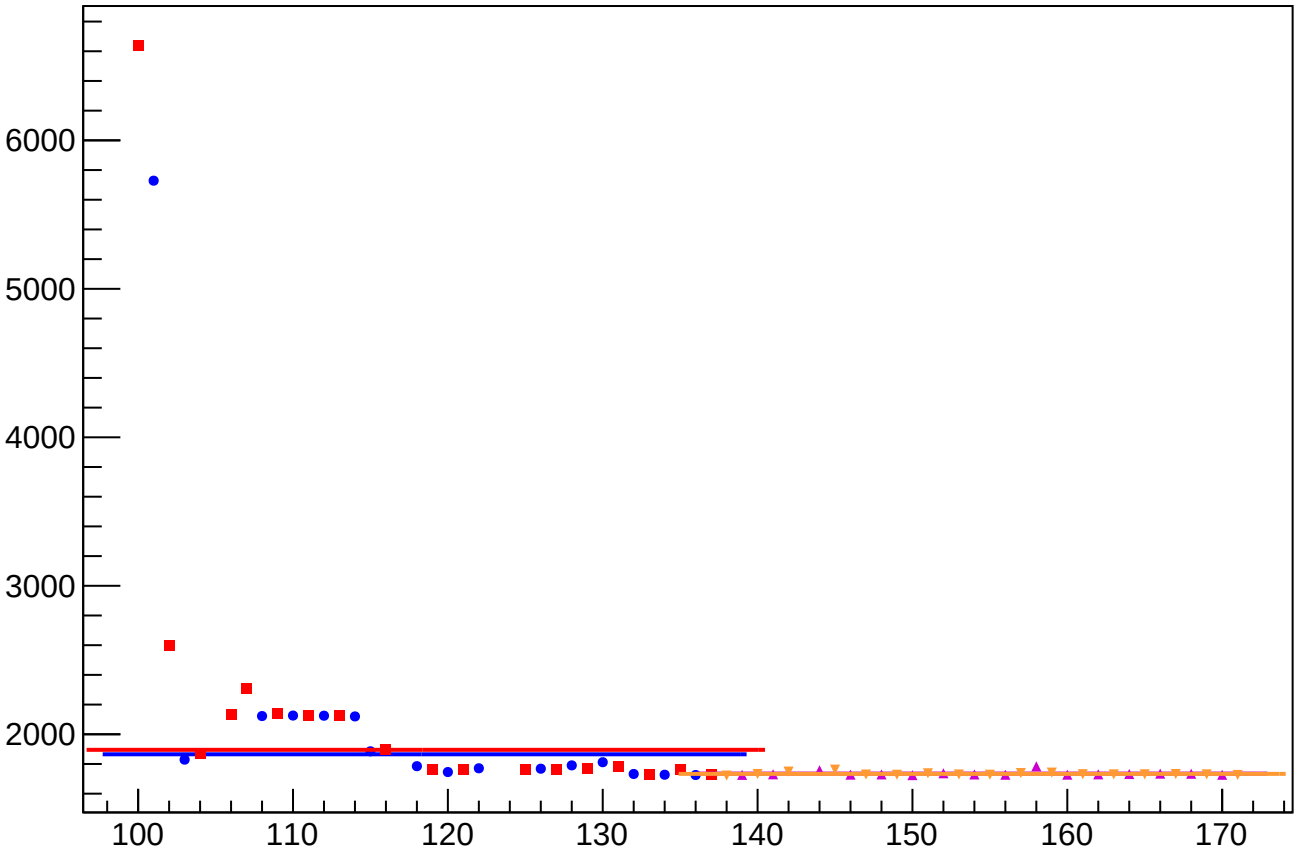
Left: -240.486+/-335.854 χ^2/NDF: 35.8/32

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: -68.319+/-396.028 χ^2/NDF:35.4/31

Out: -134.534+/-393.881 χ^2/NDF:38.5/34

All: -101.607+/-279.272 χ^2/NDF: 73.9/66



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: 1735.305+/-0.337 χ^2/NDF:1923.2/15

Left: 1734.291+/-0.237 χ^2/NDF: 2680.1/32

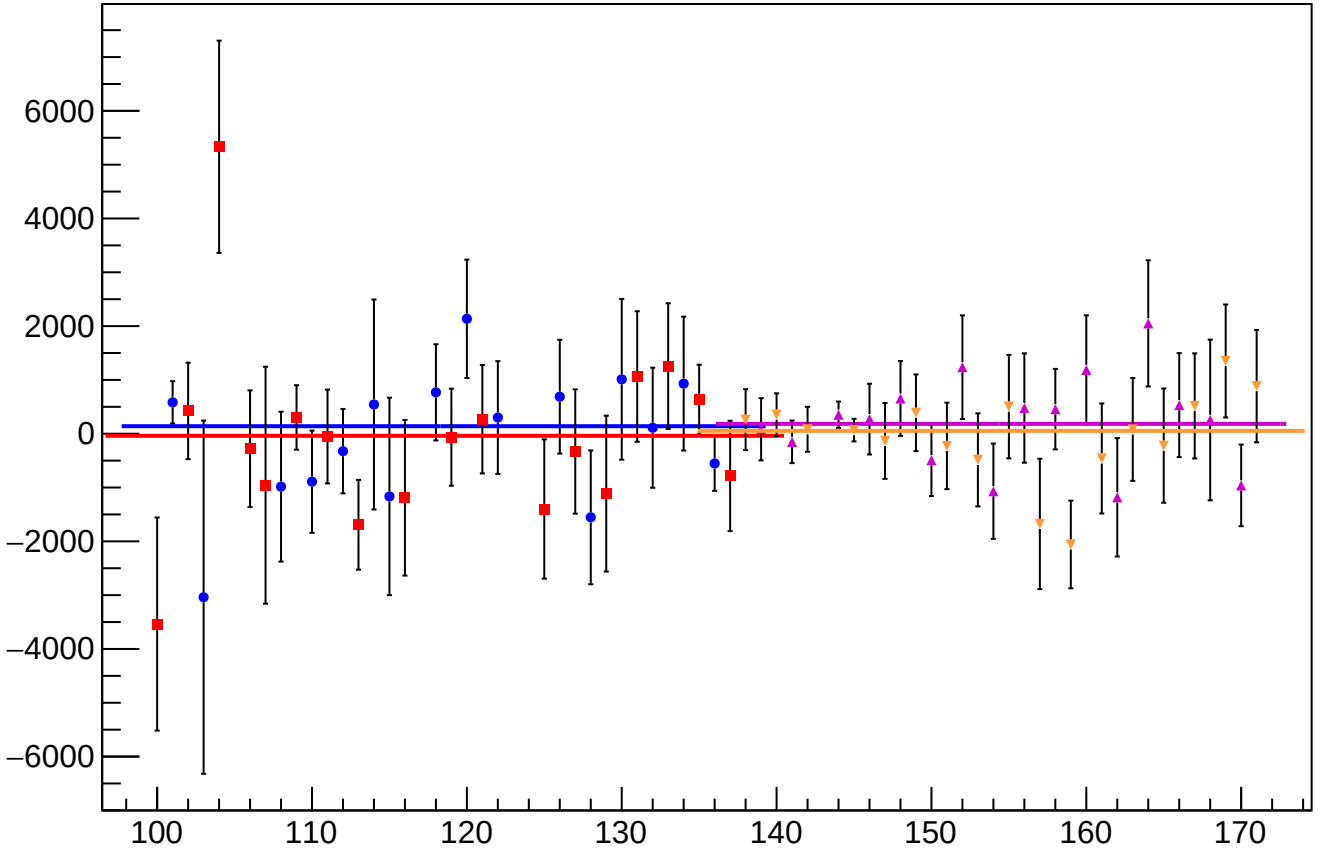
Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1775.743+/-0.280 χ^2/NDF:720763.1/31

Out: 1782.816+/-0.279 χ^2/NDF:323320.5/34

All: 1779.299+/-0.197 χ^2/NDF: 1044404.3/66

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 53.567+/-136.216 χ^2/NDF:13.2/16

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 182.990+/-151.503 χ^2/NDF:13.6/15

Left: 111.422+/-101.294 χ^2/NDF: 27.2/32

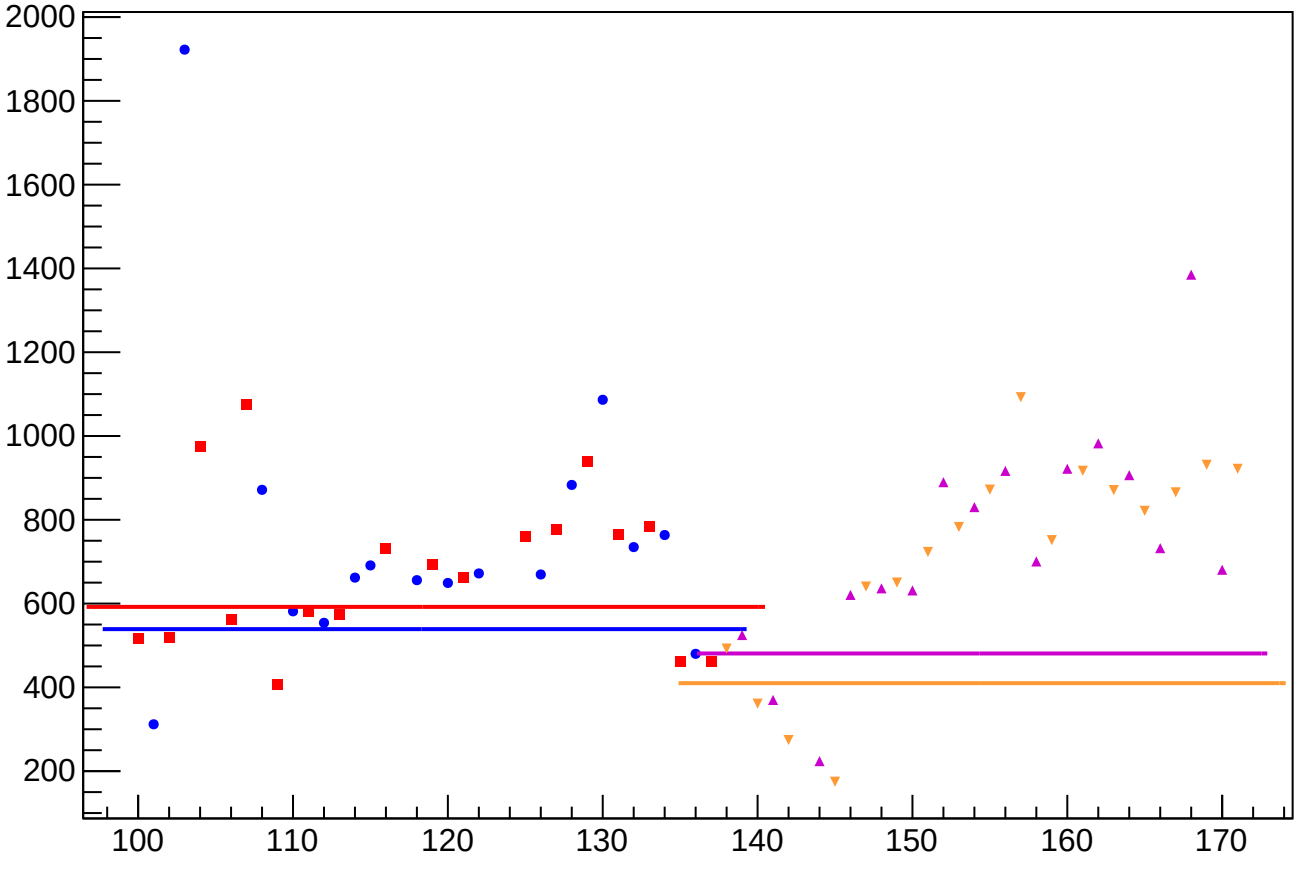
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 169.105+/-124.796 χ^2/NDF:27.1/31

Out: 30.855+/-118.253 χ^2/NDF:34.7/34

All: 96.261+/-85.838 χ^2/NDF: 62.5/66

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: 480.937+/-0.107 χ^2/NDF:5938233.2/15

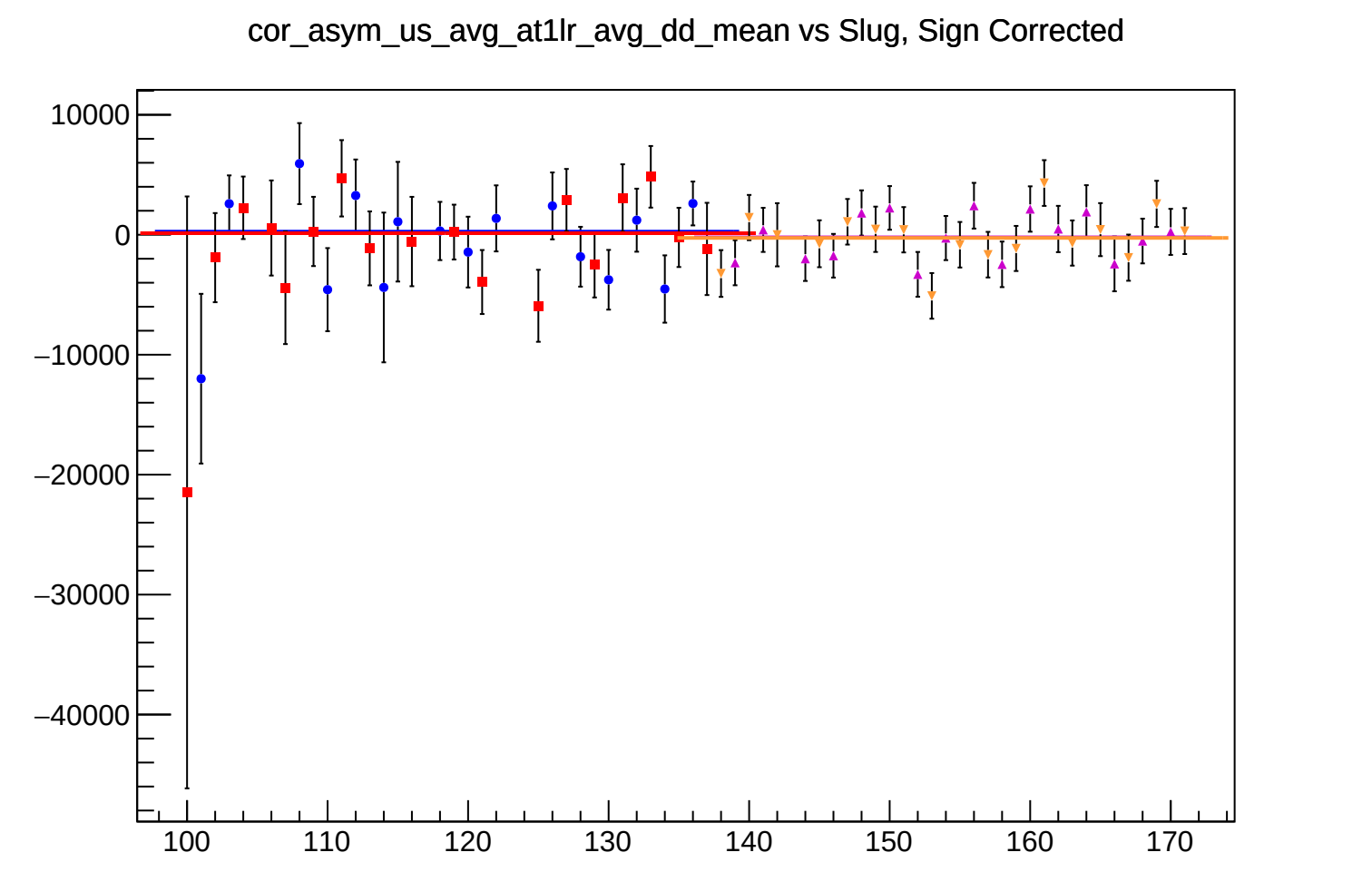
Left: 441.740+/-0.072 χ^2/NDF: 14209005.6/32

Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 499.609+/-0.088 χ^2/NDF:7887300.8/31

Out: 454.901+/-0.084 χ^2/NDF:9751759.6/34

All: 476.052+/-0.061 χ^2/NDF: 17774301.2/66



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: -216.564+/-477.242 χ^2/NDF:15.7/15

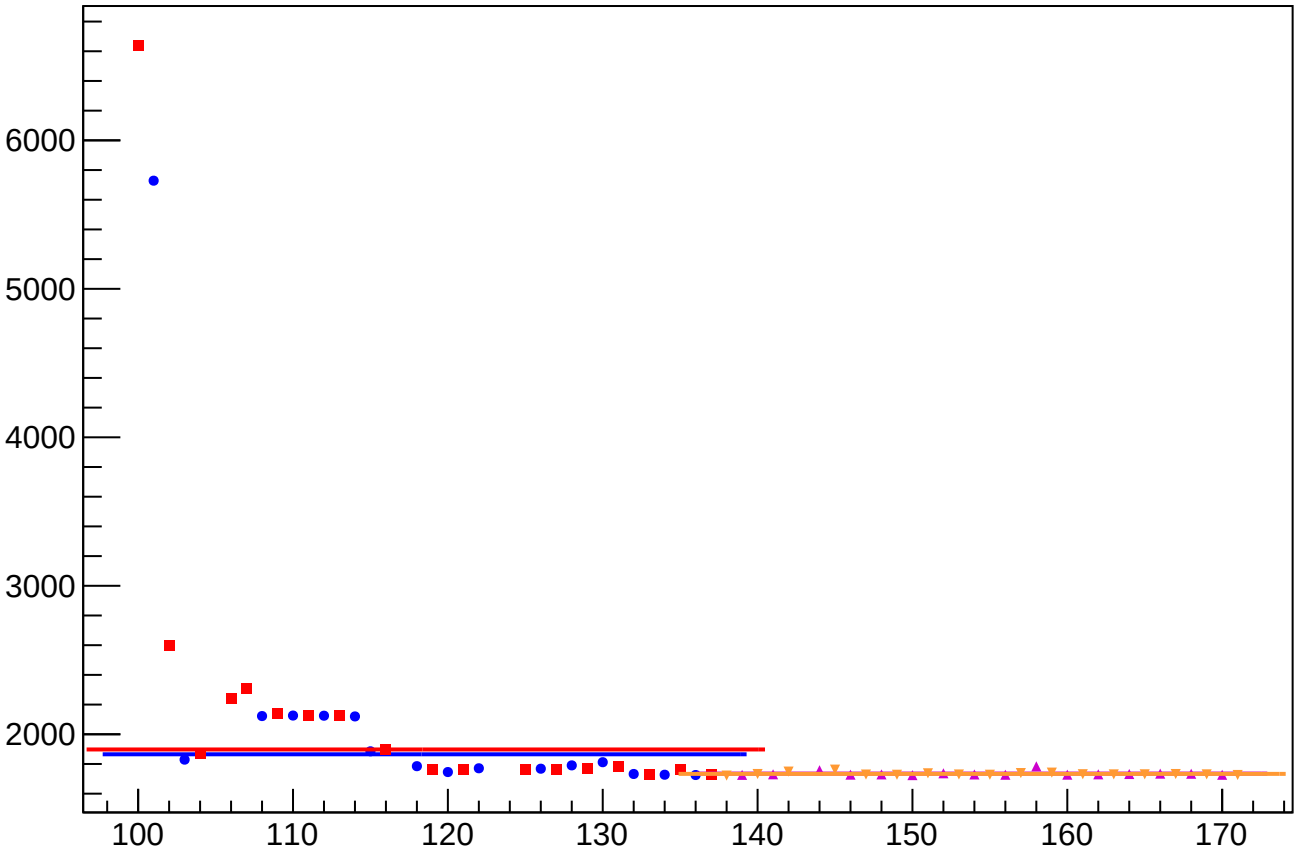
Left: -240.475+/-335.854 χ^2/NDF: 35.8/32

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: -68.264+/-396.028 χ^2/NDF:35.4/31

Out: -143.801+/-394.119 χ^2/NDF:38.4/34

All: -106.215+/-279.357 χ^2/NDF: 73.8/66



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: 1735.305+/-0.337 χ^2/NDF:1923.2/15

Left: 1734.291+/-0.237 χ^2/NDF: 2680.1/32

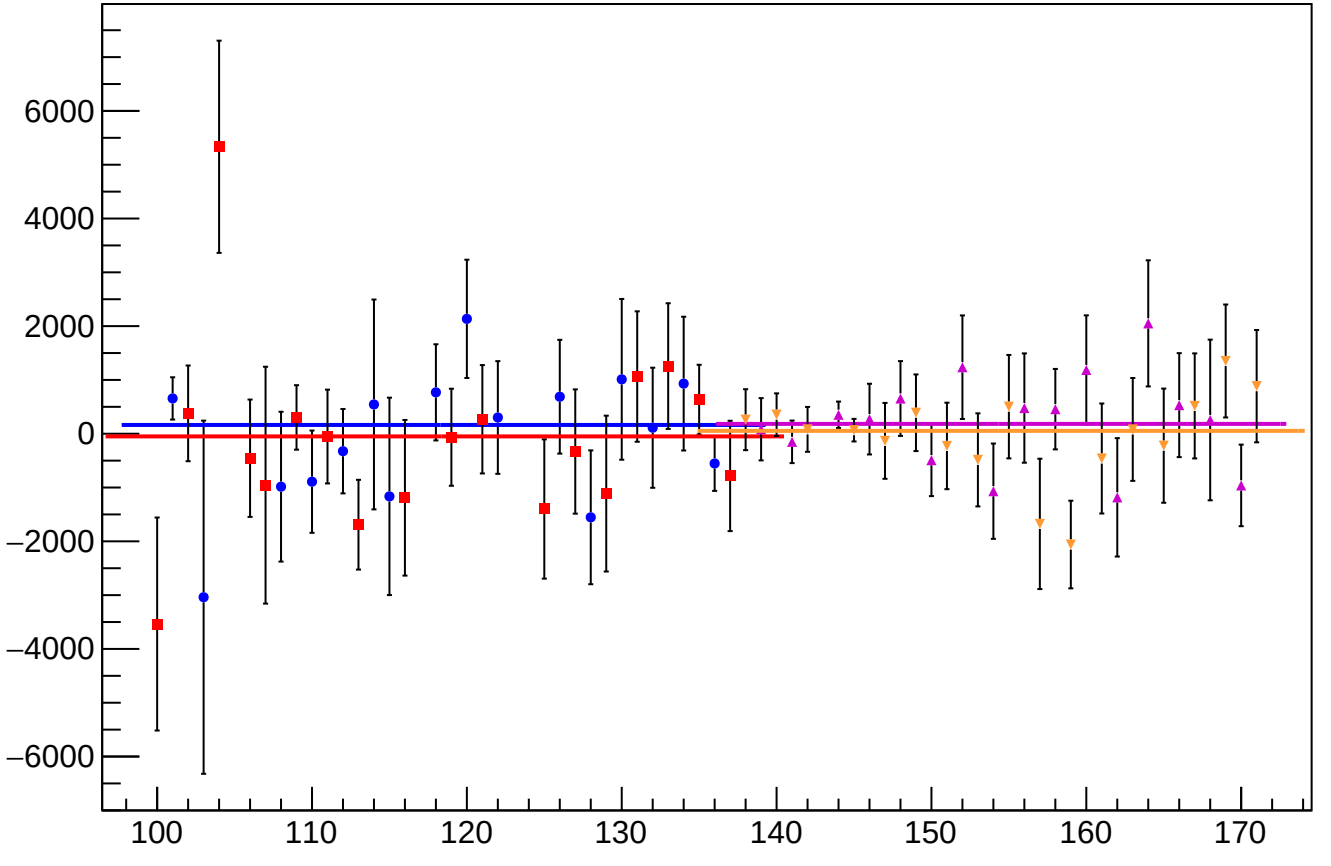
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1775.743+/-0.280 χ^2/NDF:720762.9/31

Out: 1783.428+/-0.279 χ^2/NDF:332234.6/34

All: 1779.604+/-0.198 χ^2/NDF: 1053375.8/66

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: 182.991+/-151.504 χ^2/NDF:13.6/15

Left: 111.348+/-101.295 χ^2/NDF: 27.2/32

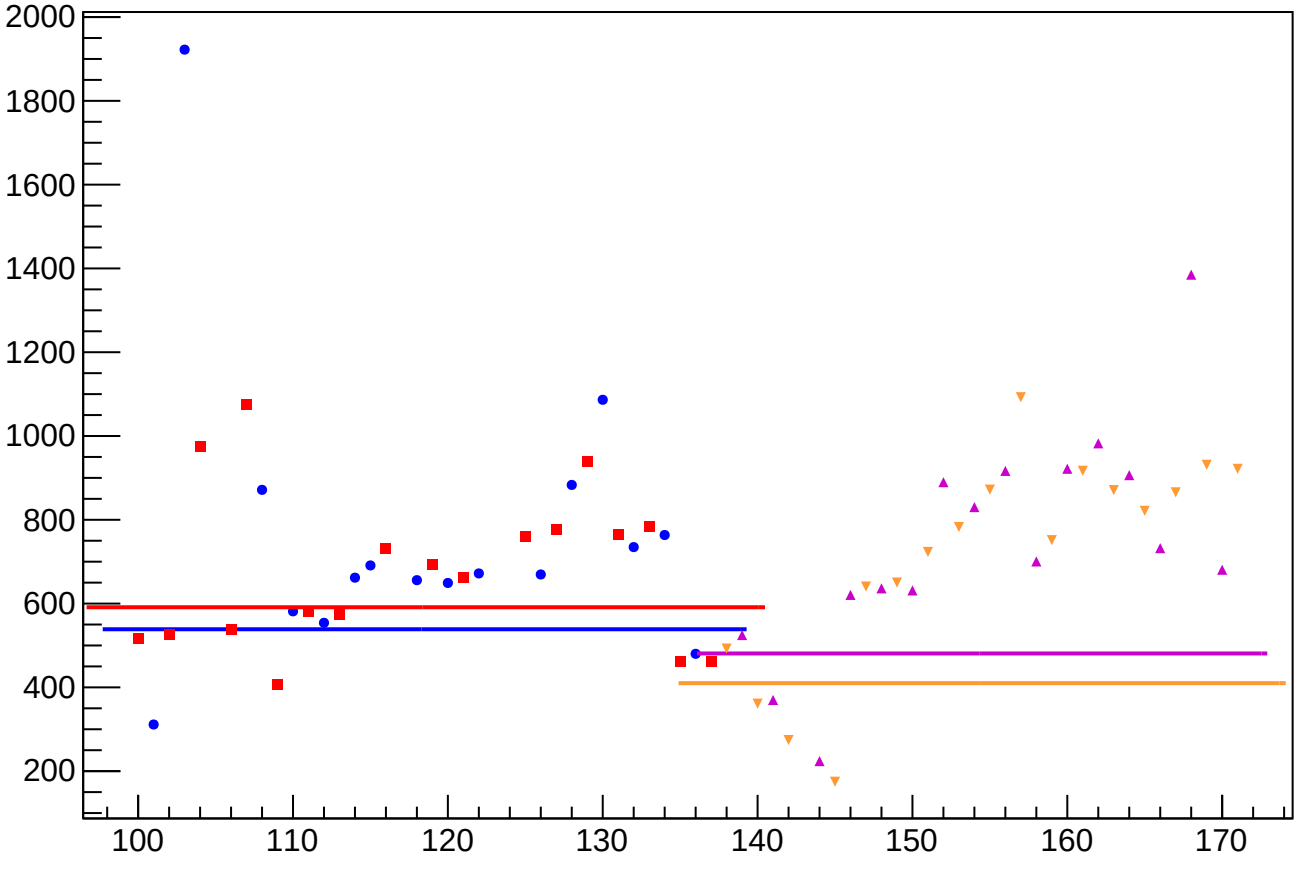
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 176.609+/-124.783 χ^2/NDF:27.5/31

Out: 28.036+/-118.248 χ^2/NDF:34.8/34

All: 98.331+/-85.831 χ^2/NDF: 63.1/66

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: 480.945+/-0.107 χ^2/NDF:5937857.9/15

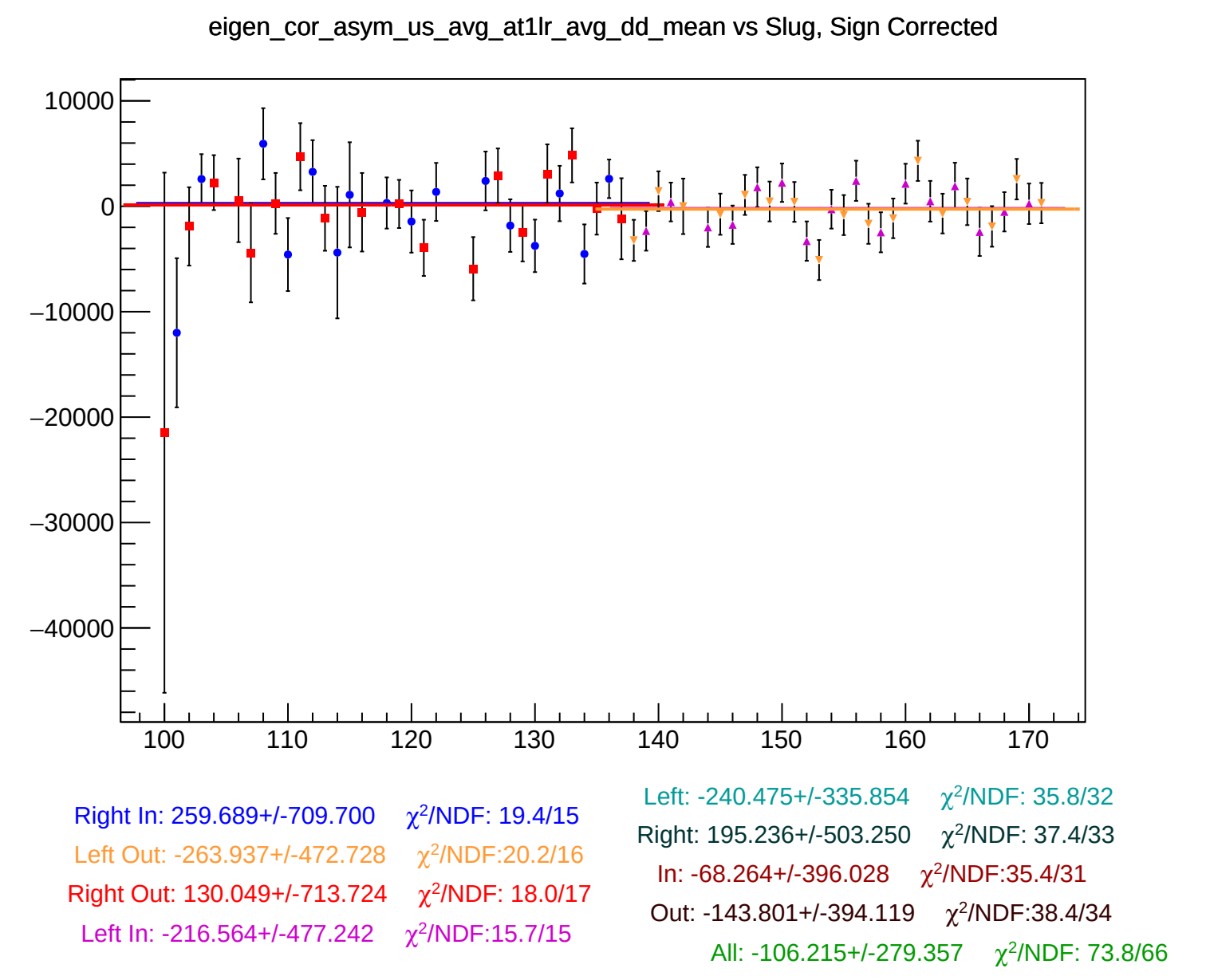
Left: 441.750+/-0.072 χ^2/NDF: 14208301.9/32

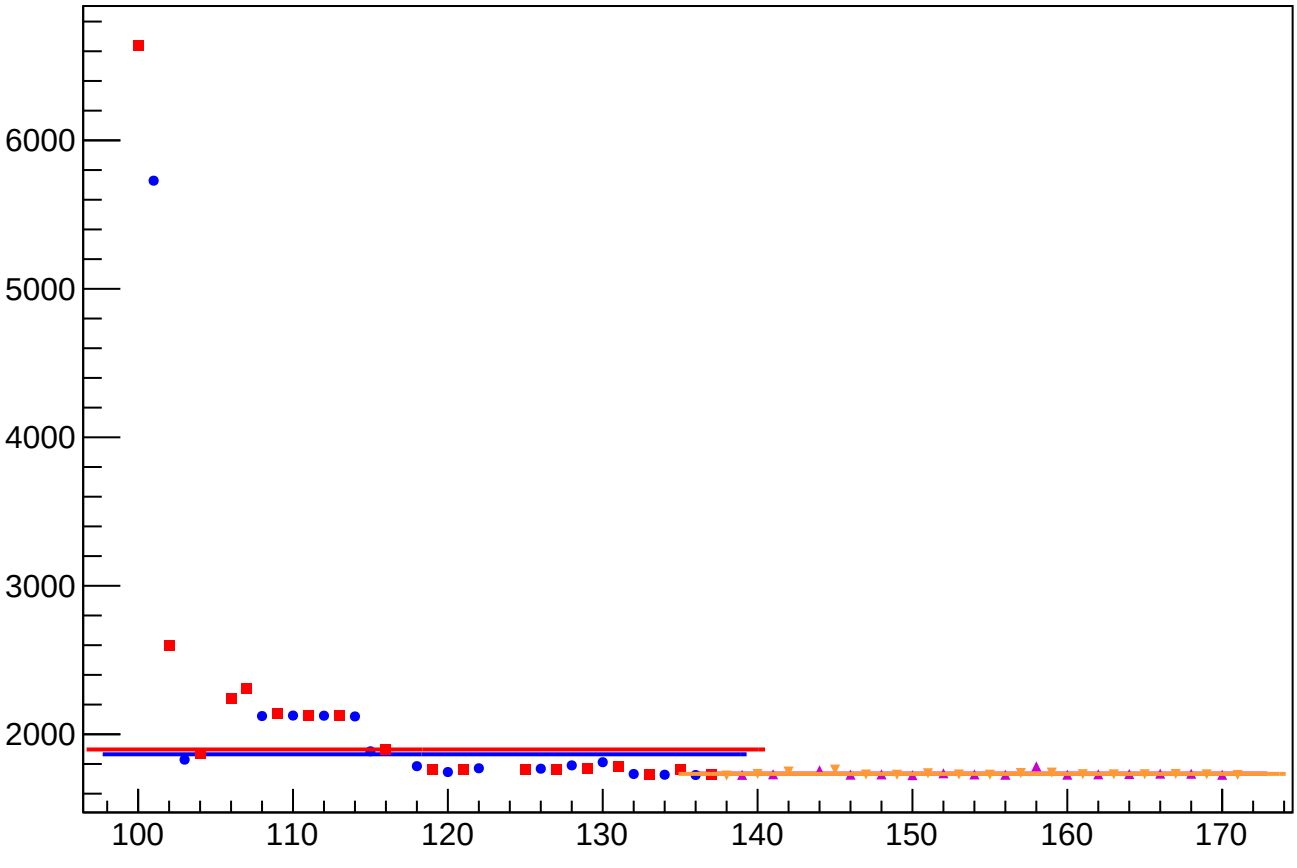
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 499.522+/-0.088 χ^2/NDF:7890243.9/31

Out: 454.714+/-0.084 χ^2/NDF:9744833.2/34

All: 475.914+/-0.061 χ^2/NDF: 17770954.5/66


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: 259.689+/-709.700 χ²/NDF: 19.4/15
Left Out: -263.937+/-472.728 χ²/NDF:20.2/16
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -216.564+/-477.242 χ²/NDF:15.7/15
Left: -240.475+/-335.854 χ²/NDF: 35.8/32
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: -68.264+/-396.028 χ²/NDF:35.4/31
Out: -143.801+/-394.119 χ²/NDF:38.4/34
All: -106.215+/-279.357 χ²/NDF: 73.8/66



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: 1735.305+/-0.337 χ^2/NDF:1923.2/15

Left: 1734.291+/-0.237 χ^2/NDF: 2680.1/32

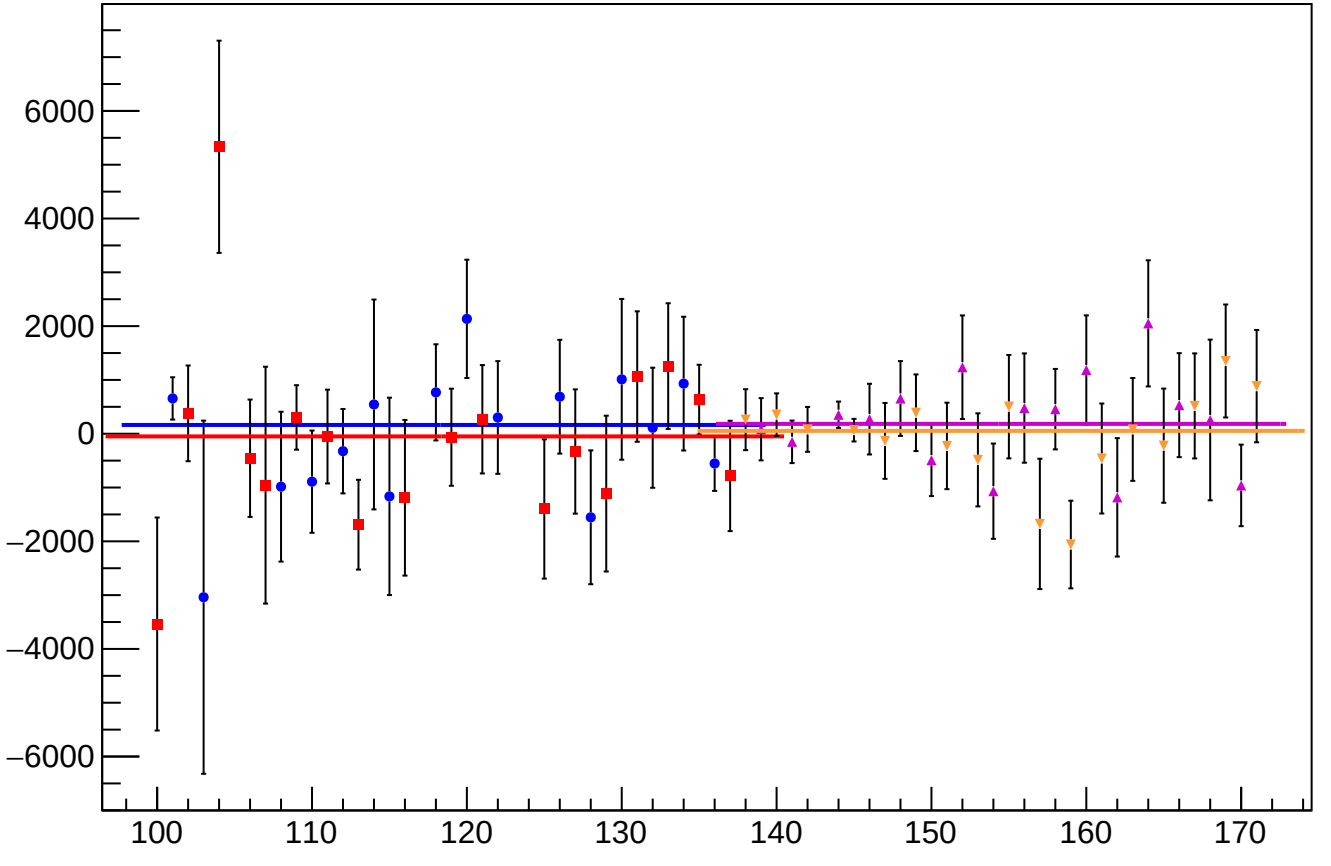
Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1775.743+/-0.280 χ^2/NDF:720762.9/31

Out: 1783.428+/-0.279 χ^2/NDF:332234.6/34

All: 1779.604+/-0.198 χ^2/NDF: 1053375.8/66

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: 182.991+/-151.504 χ^2/NDF:13.6/15

Left: 111.348+/-101.295 χ^2/NDF: 27.2/32

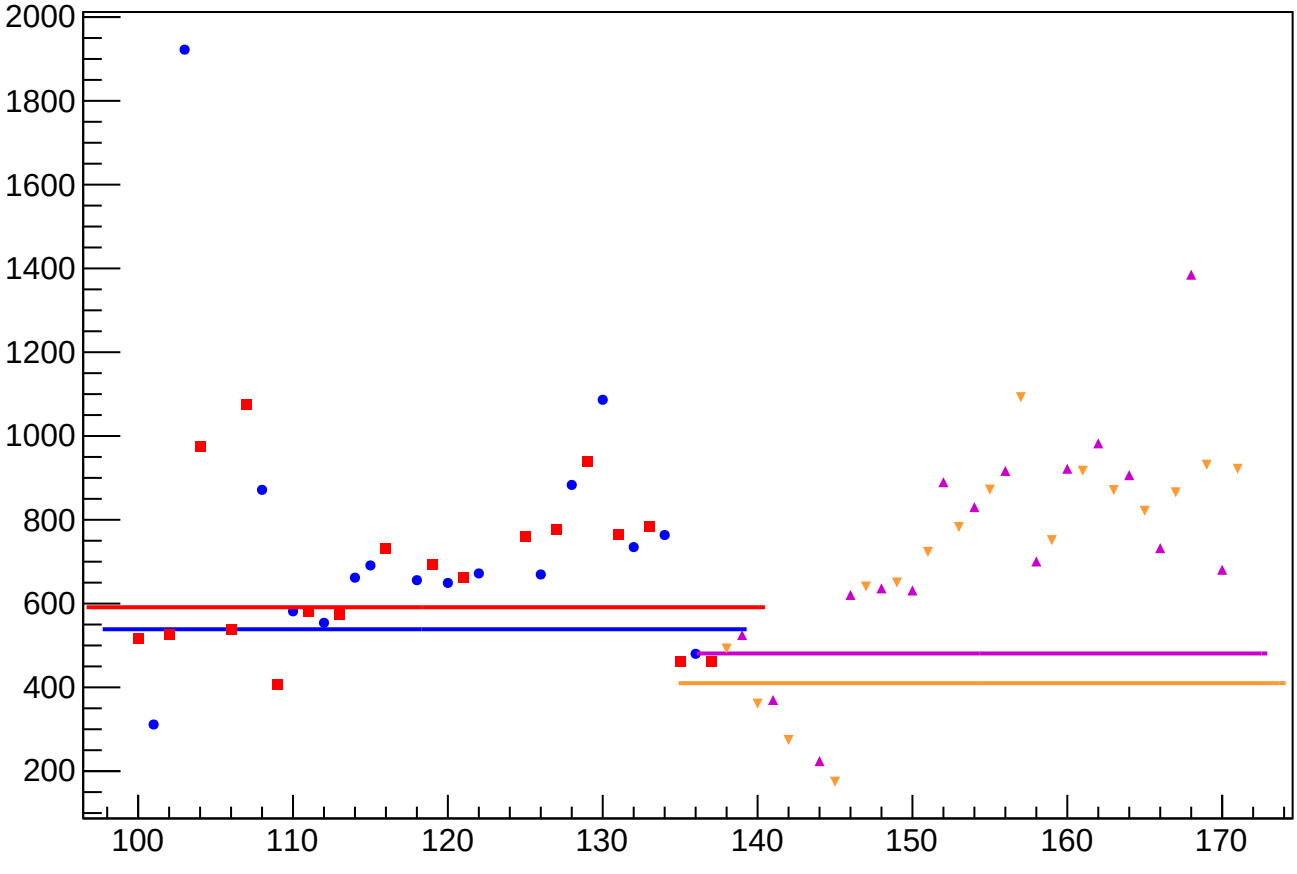
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 176.609+/-124.783 χ^2/NDF:27.5/31

Out: 28.036+/-118.248 χ^2/NDF:34.8/34

All: 98.331+/-85.831 χ^2/NDF: 63.1/66

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: 480.945+/-0.107 χ^2/NDF:5937857.9/15

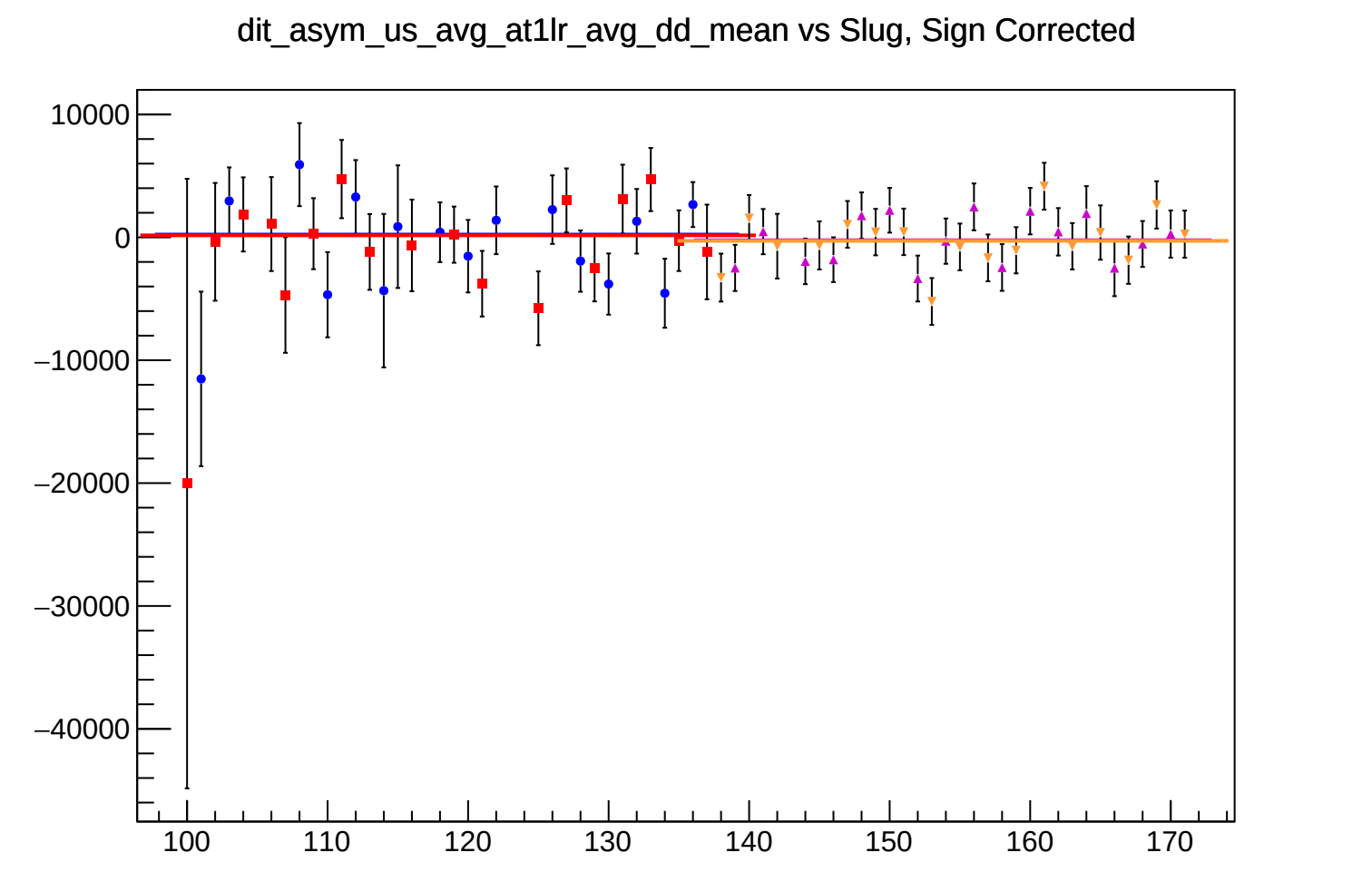
Left: 441.750+/-0.072 χ^2/NDF: 14208301.9/32

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 499.522+/-0.088 χ^2/NDF:7890243.9/31

Out: 454.714+/-0.084 χ^2/NDF:9744833.2/34

All: 475.914+/-0.061 χ^2/NDF: 17770954.5/66



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: -233.515+/-477.552 χ^2/NDF:16.0/15

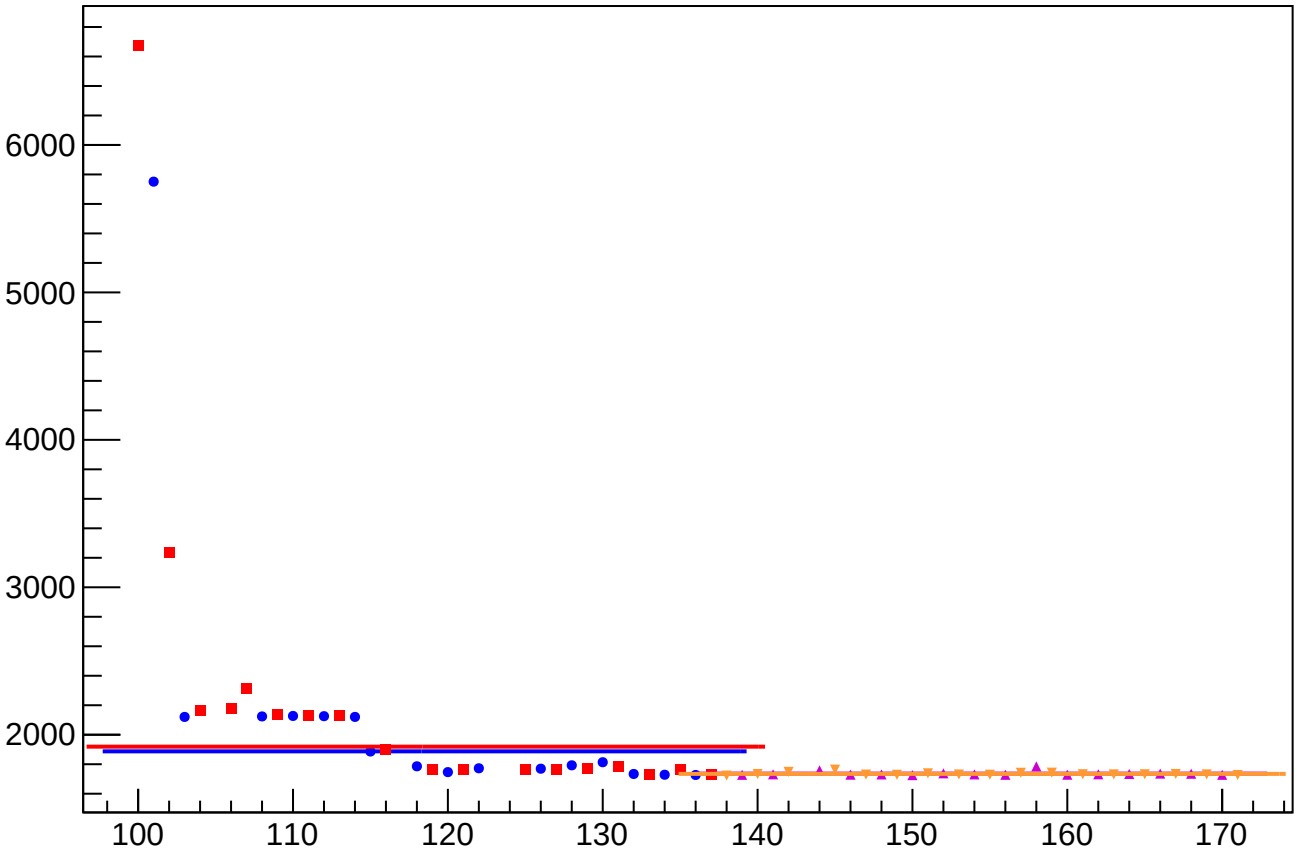
Left: -259.633+/-336.076 χ^2/NDF: 36.3/32

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: -92.663+/-397.726 χ^2/NDF:35.7/31

Out: -151.403+/-396.304 χ^2/NDF:37.6/34

All: -122.138+/-280.731 χ^2/NDF: 73.3/66



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: 1736.428+/-0.338 χ^2/NDF:1922.7/15

Left: 1735.436+/-0.238 χ^2/NDF: 2686.3/32

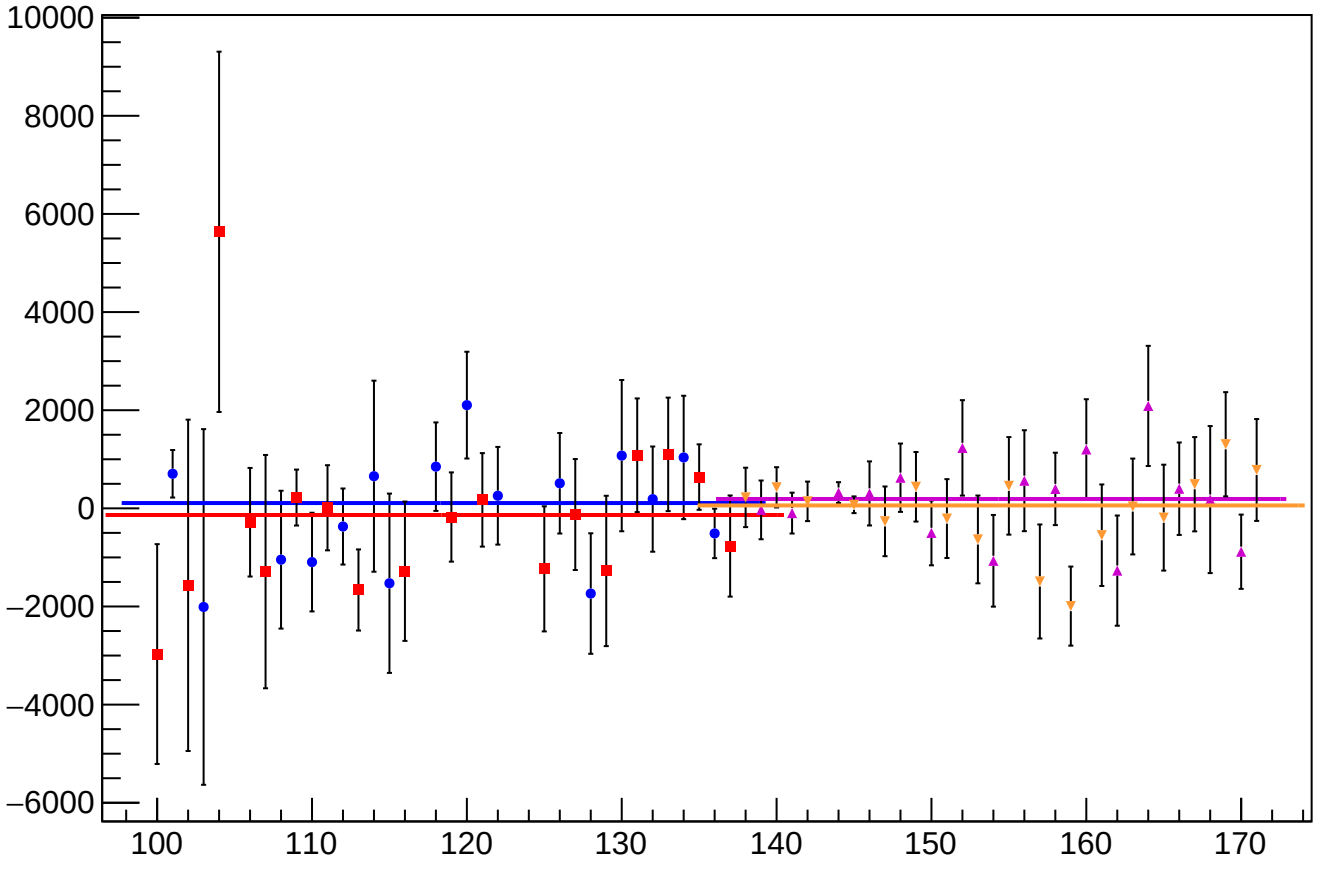
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1782.654+/-0.281 χ^2/NDF:752531.3/31

Out: 1789.529+/-0.280 χ^2/NDF:444219.9/34

All: 1786.104+/-0.199 χ^2/NDF: 1197051.1/66

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: 190.890+/-144.086 χ^2/NDF:12.8/15

Left: 115.294+/-93.956 χ^2/NDF: 26.3/32

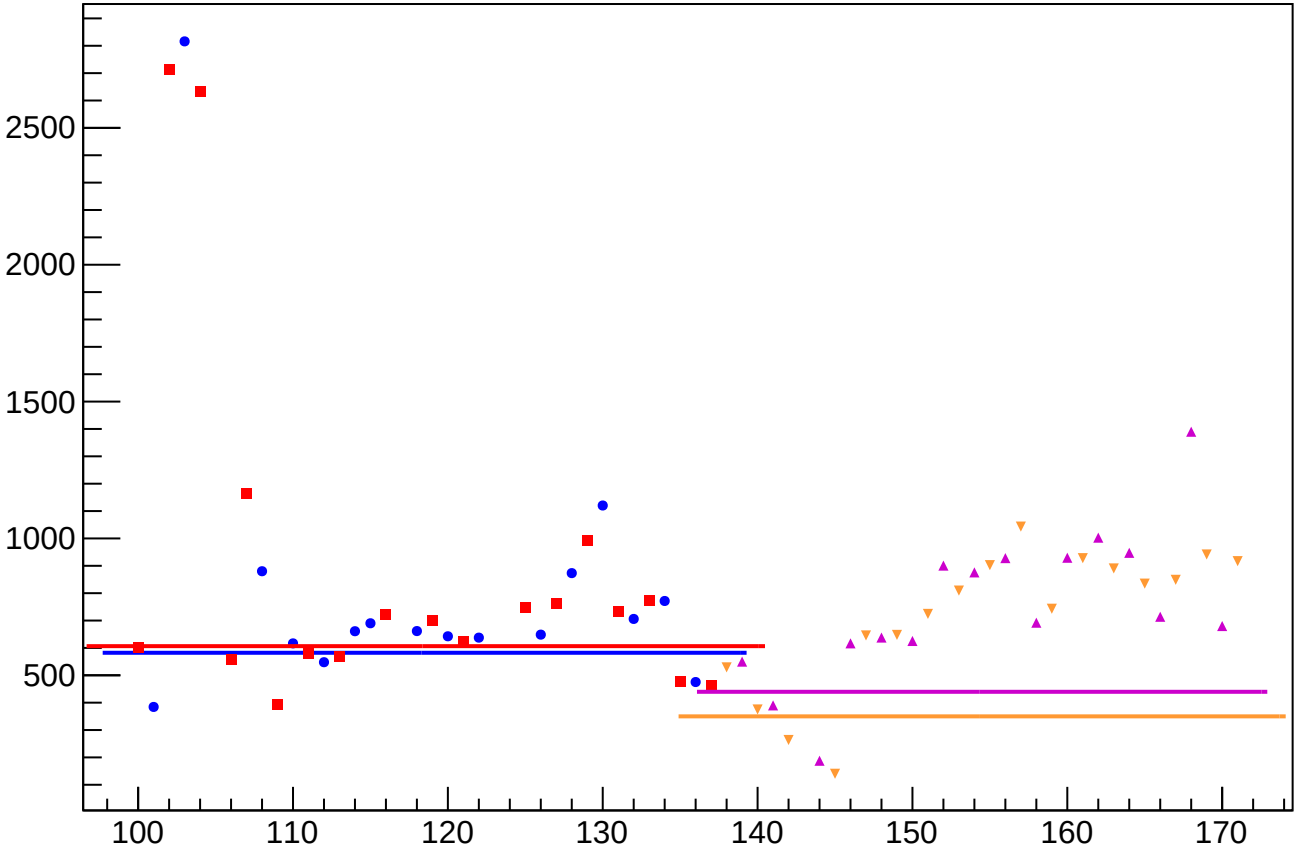
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 167.812+/-122.359 χ^2/NDF:27.0/31

Out: 19.939+/-110.670 χ^2/NDF:27.9/34

All: 86.477+/-82.078 χ^2/NDF: 55.7/66

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: 439.677+/-0.102 χ^2/NDF:7430284.5/15

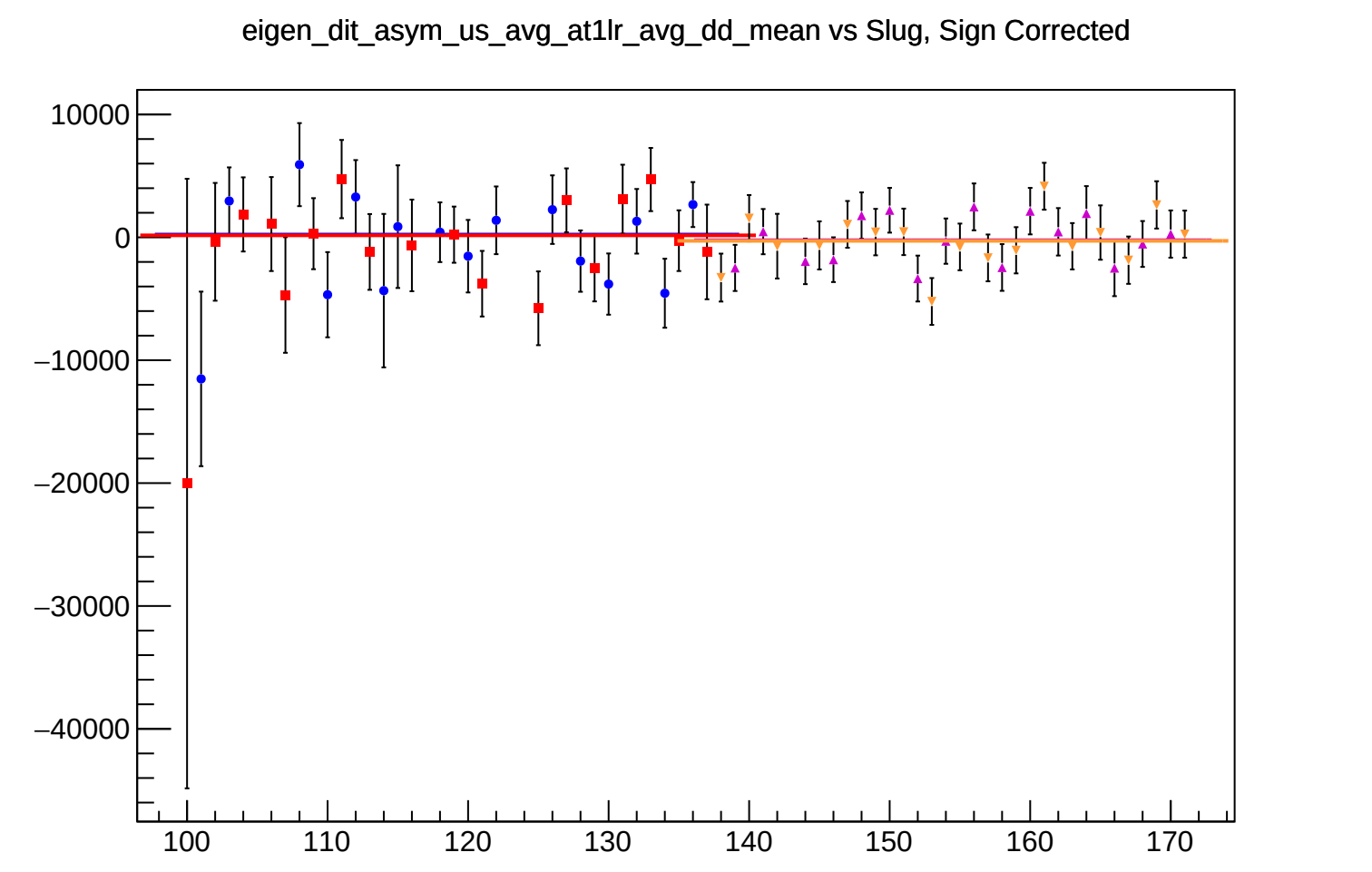
Left: 388.098+/-0.066 χ^2/NDF: 18046978.7/32

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 479.439+/-0.087 χ^2/NDF:9730795.0/31

Out: 401.885+/-0.078 χ^2/NDF:14104332.7/34

All: 436.782+/-0.058 χ^2/NDF: 24277064.0/66



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -285.264+/-473.047 χ^2/NDF:20.3/16

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -233.513+/-477.552 χ^2/NDF:16.0/15

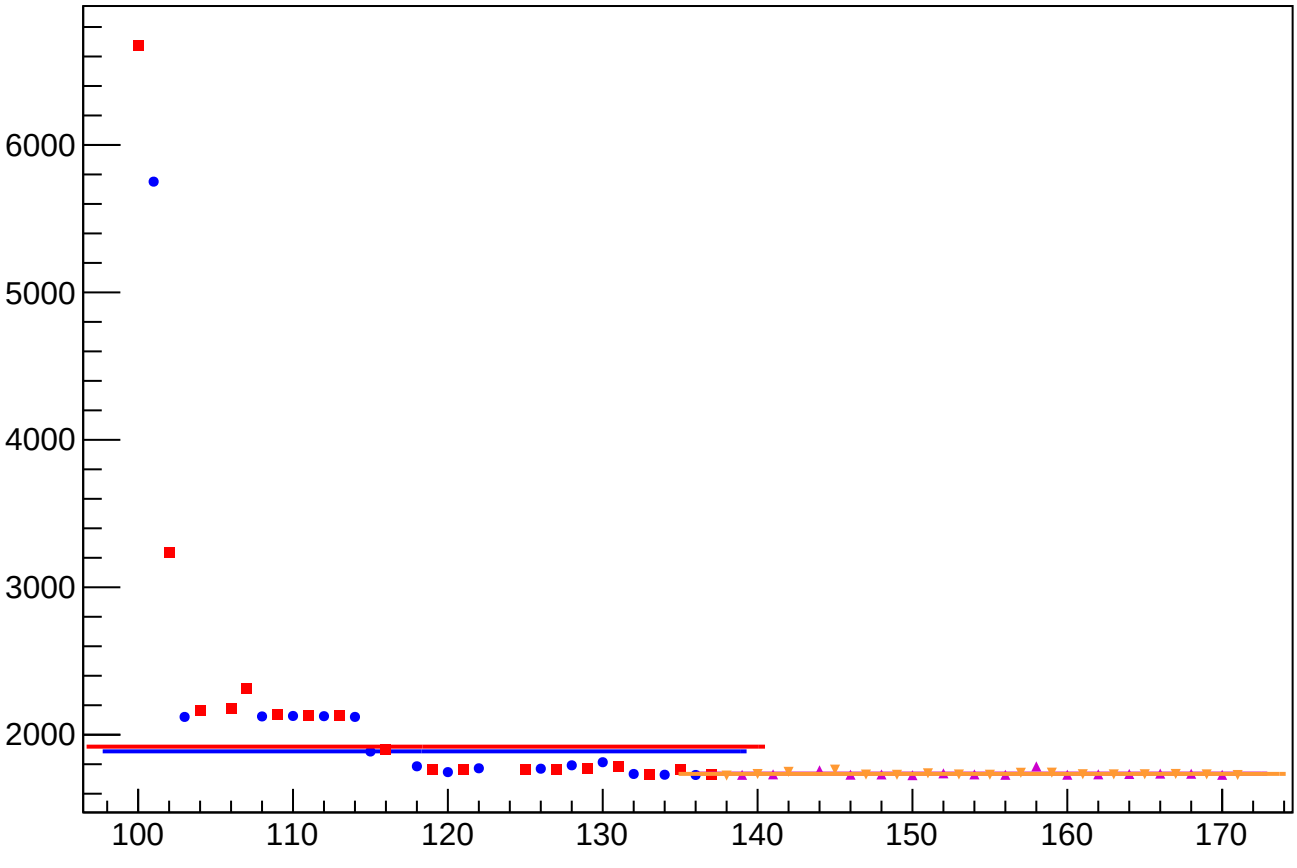
Left: -259.634+/-336.076 χ^2/NDF: 36.3/32

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

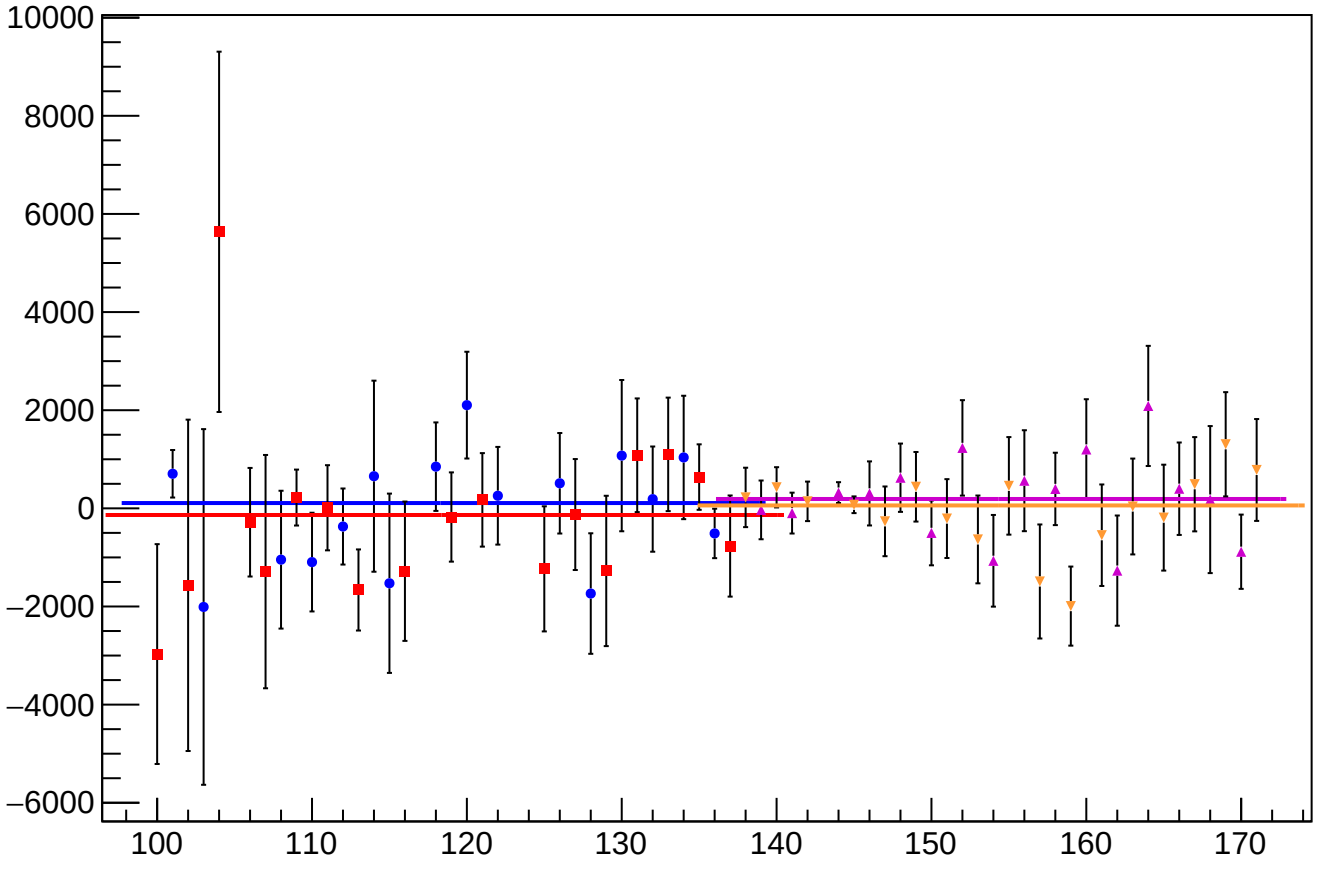
In: -92.662+/-397.726 χ^2/NDF:35.7/31

Out: -151.405+/-396.304 χ^2/NDF:37.6/34

All: -122.139+/-280.731 χ^2/NDF: 73.3/66


eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1887.310+/-0.508 χ²/NDF: 689442.4/15
Left Out: 1734.461+/-0.334 χ²/NDF:746.5/16
Right Out: 1919.164+/-0.513 χ²/NDF: 352566.4/17
Left In: 1736.428+/-0.338 χ²/NDF:1922.7/15
Left: 1735.436+/-0.238 χ²/NDF: 2686.3/32
Right: 1903.077+/-0.361 χ²/NDF: 1043954.3/33
In: 1782.654+/-0.281 χ²/NDF:752530.9/31
Out: 1789.529+/-0.280 χ²/NDF:444219.0/34
All: 1786.104+/-0.199 χ²/NDF: 1197049.8/66

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 59.370+/-123.927 χ^2/NDF:13.0/16

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 190.890+/-144.087 χ^2/NDF:12.8/15

Left: 115.293+/-93.956 χ^2/NDF: 26.3/32

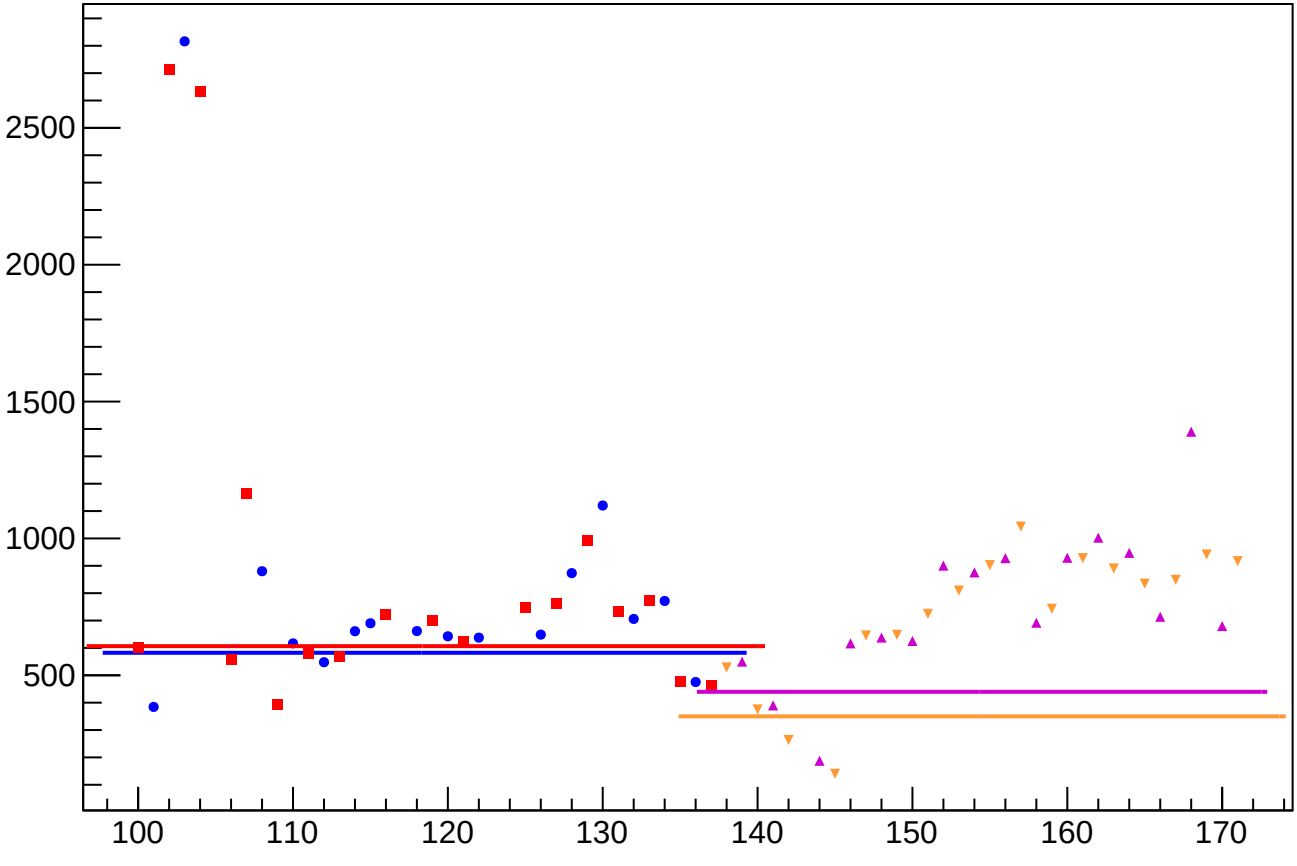
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 167.811+/-122.359 χ^2/NDF:27.0/31

Out: 19.937+/-110.670 χ^2/NDF:27.9/34

All: 86.476+/-82.078 χ^2/NDF: 55.7/66

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: 439.677+/-0.102 χ^2/NDF:7430303.2/15

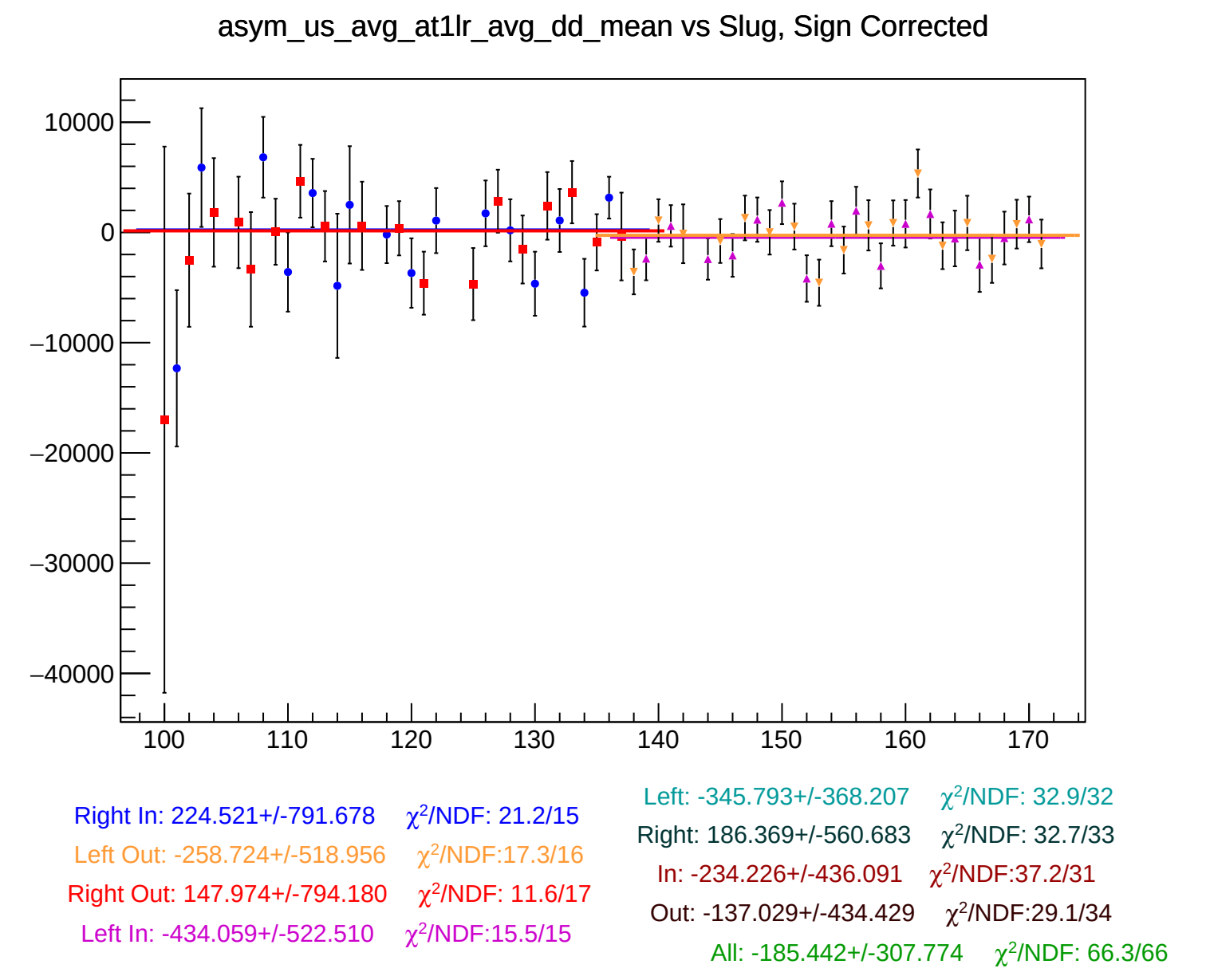
Left: 388.098+/-0.066 χ^2/NDF: 18047035.7/32

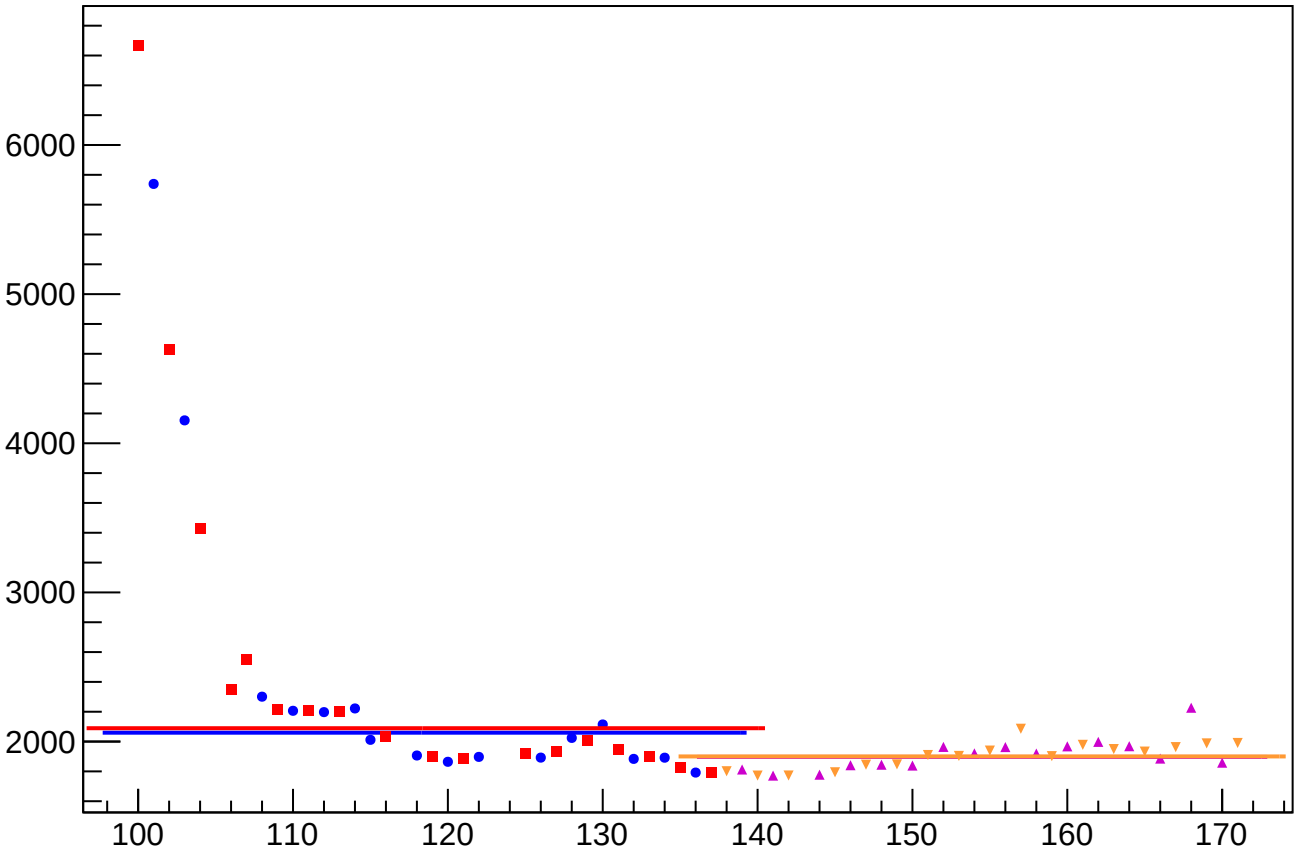
Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 479.440+/-0.087 χ^2/NDF:9730786.1/31

Out: 401.885+/-0.078 χ^2/NDF:14104345.9/34

All: 436.782+/-0.058 χ^2/NDF: 24277073.6/66


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: 224.521+/-791.678 χ²/NDF: 21.2/15
Left Out: -258.724+/-518.956 χ²/NDF:17.3/16
Right Out: 147.974+/-794.180 χ²/NDF: 11.6/17
Left In: -434.059+/-522.510 χ²/NDF:15.5/15
Left: -345.793+/-368.207 χ²/NDF: 32.9/32
Right: 186.369+/-560.683 χ²/NDF: 32.7/33
In: -234.226+/-436.091 χ²/NDF:37.2/31
Out: -137.029+/-434.429 χ²/NDF:29.1/34
All: -185.442+/-307.774 χ²/NDF: 66.3/66



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: 1896.977+/-0.369 χ^2/NDF:76326.6/15

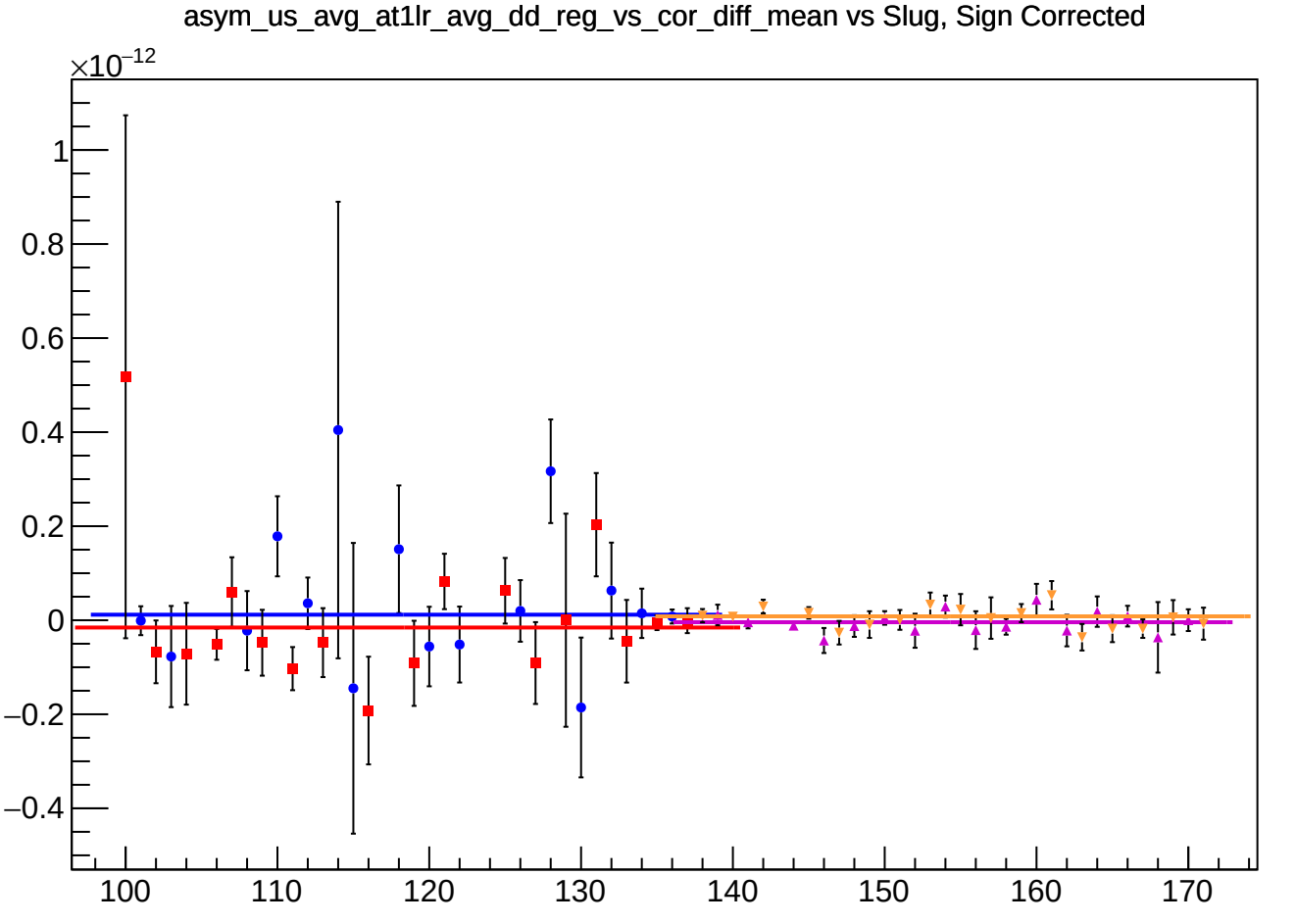
Left: 1898.631+/-0.260 χ^2/NDF: 129132.4/32

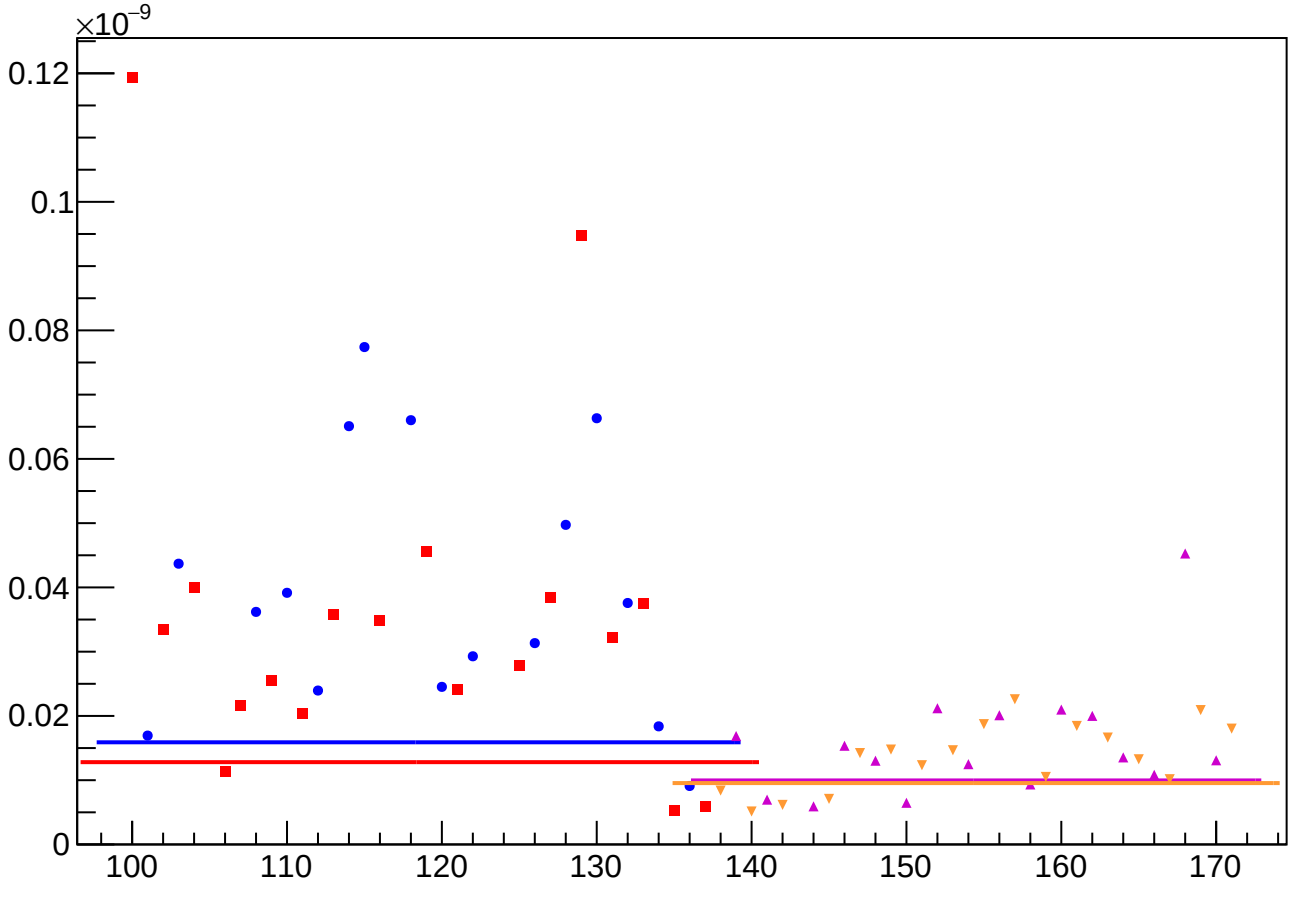
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1946.290+/-0.308 χ^2/NDF:1074909.4/31

Out: 1956.881+/-0.307 χ^2/NDF:813788.9/34

All: 1951.606+/-0.218 χ^2/NDF: 1889290.2/66


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:13.7/16
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:9.9/15
Left: 0.000+/-0.000 χ²/NDF: 27.0/32
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:29.6/31
Out: 0.000+/-0.000 χ²/NDF:38.6/34
All: 0.000+/-0.000 χ²/NDF: 69.1/66



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:2164057.8/15

Left: 0.000+/-0.000 χ^2/NDF: 4033033.0/32

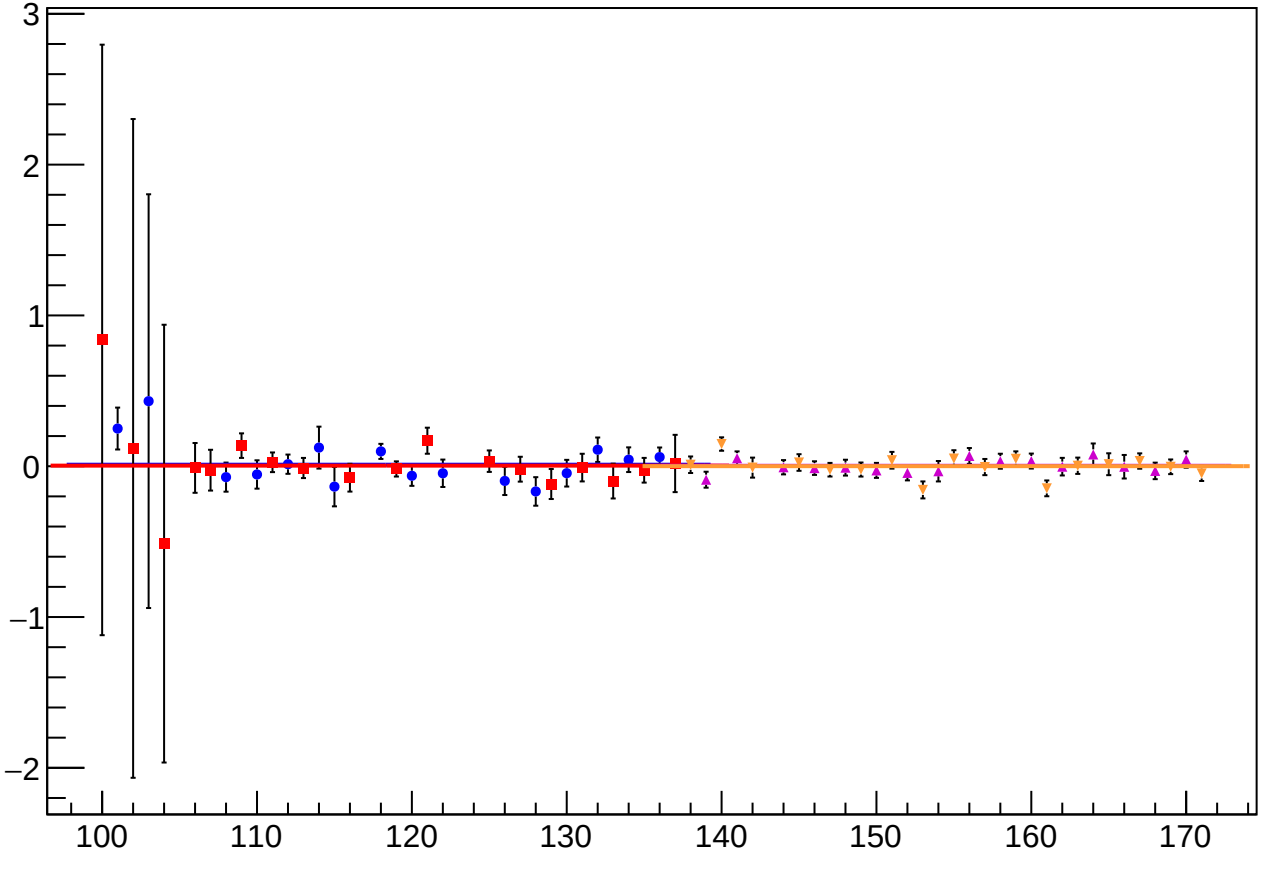
Right: 0.000+/-0.000 χ^2/NDF: 4498662.7/33

In: 0.000+/-0.000 χ^2/NDF:4544856.6/31

Out: 0.000+/-0.000 χ^2/NDF:4503834.9/34

All: 0.000+/-0.000 χ^2/NDF: 9081246.2/66

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: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.002+/-0.009 χ^2/NDF: 41.5/32

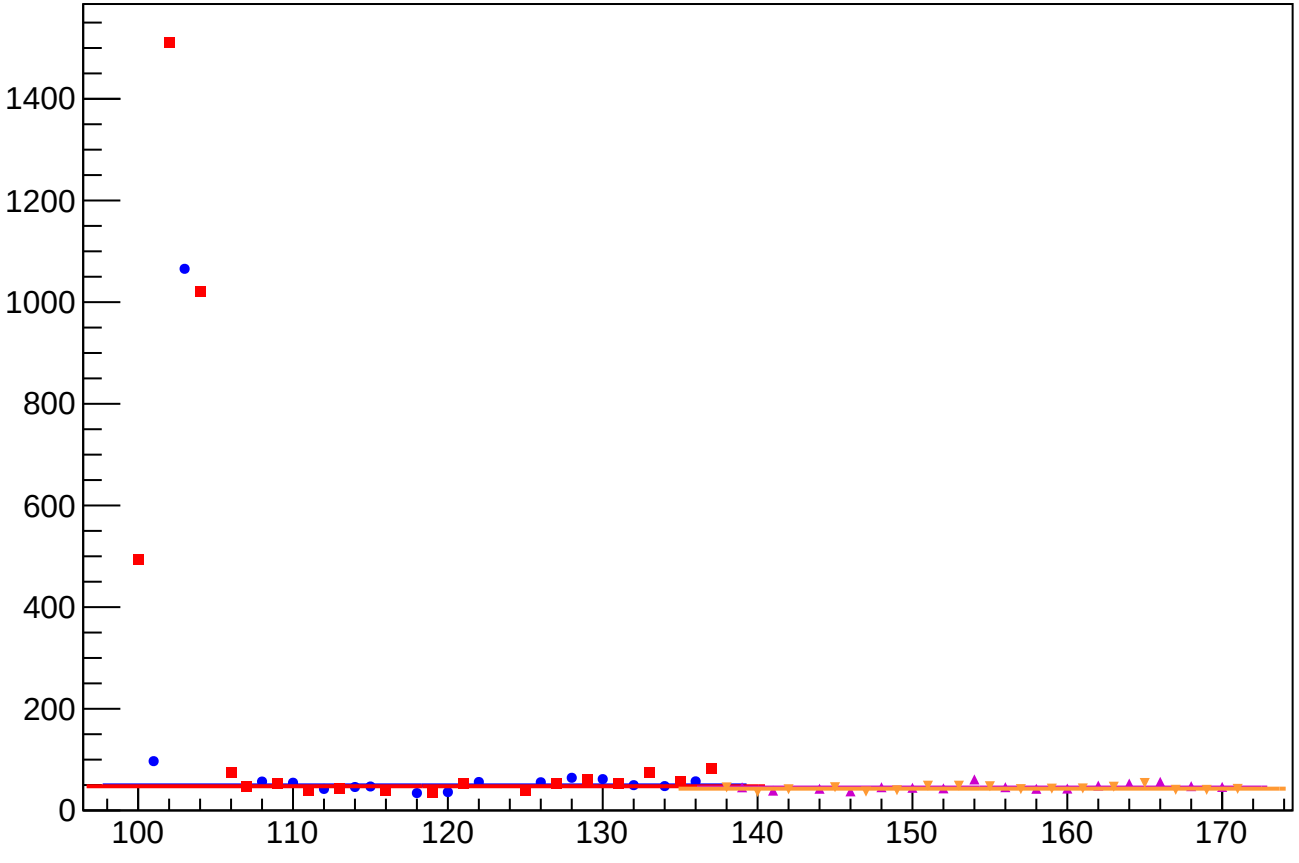
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.003+/-0.008 χ^2/NDF: 70.5/66

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: 45.045+/-0.009 χ^2/NDF:295985.2/15

Left: 43.922+/-0.006 χ^2/NDF: 541422.0/32

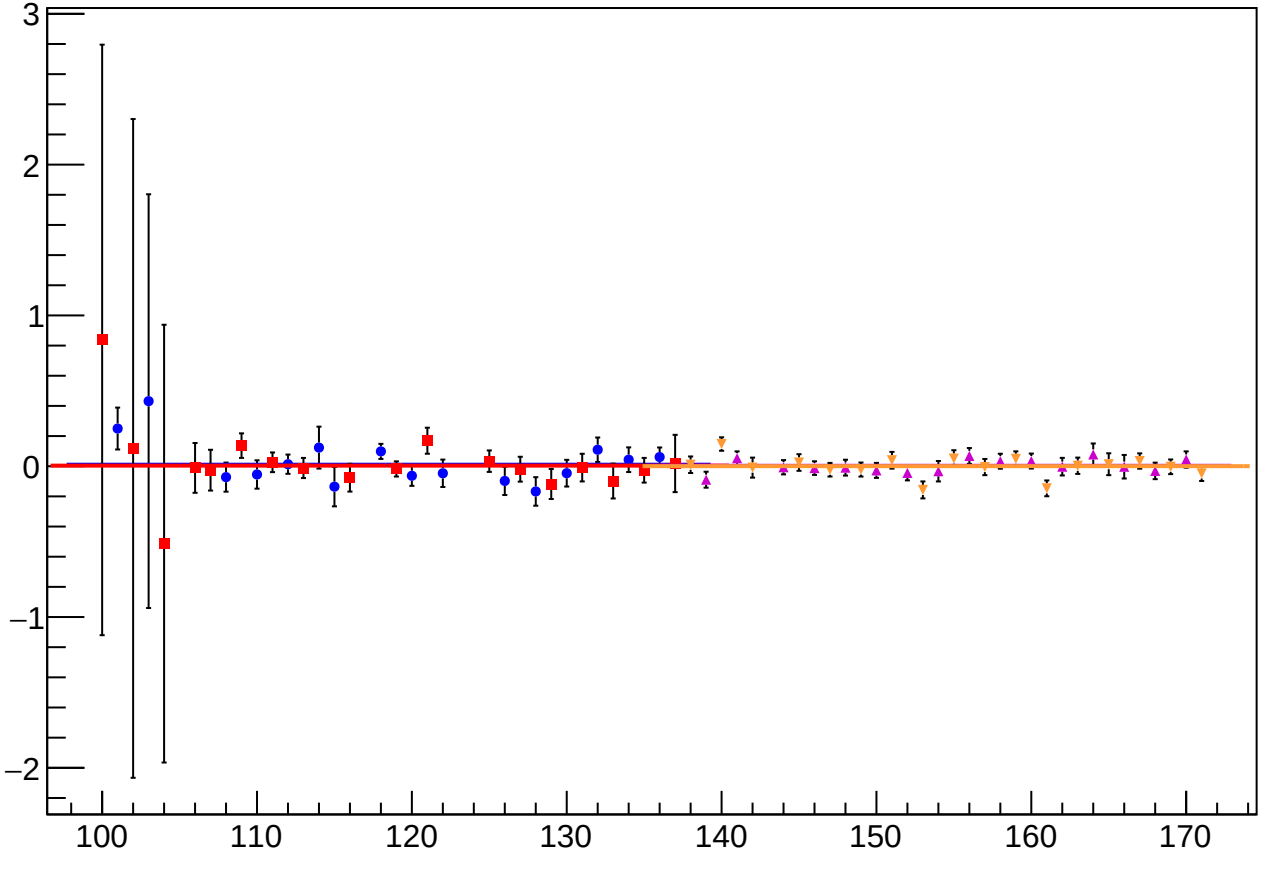
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.274+/-0.008 χ^2/NDF:2132705.2/31

Out: 44.113+/-0.008 χ^2/NDF:2707299.9/34

All: 45.168+/-0.006 χ^2/NDF: 4877996.8/66

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: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.002+/-0.009 χ^2/NDF: 41.5/32

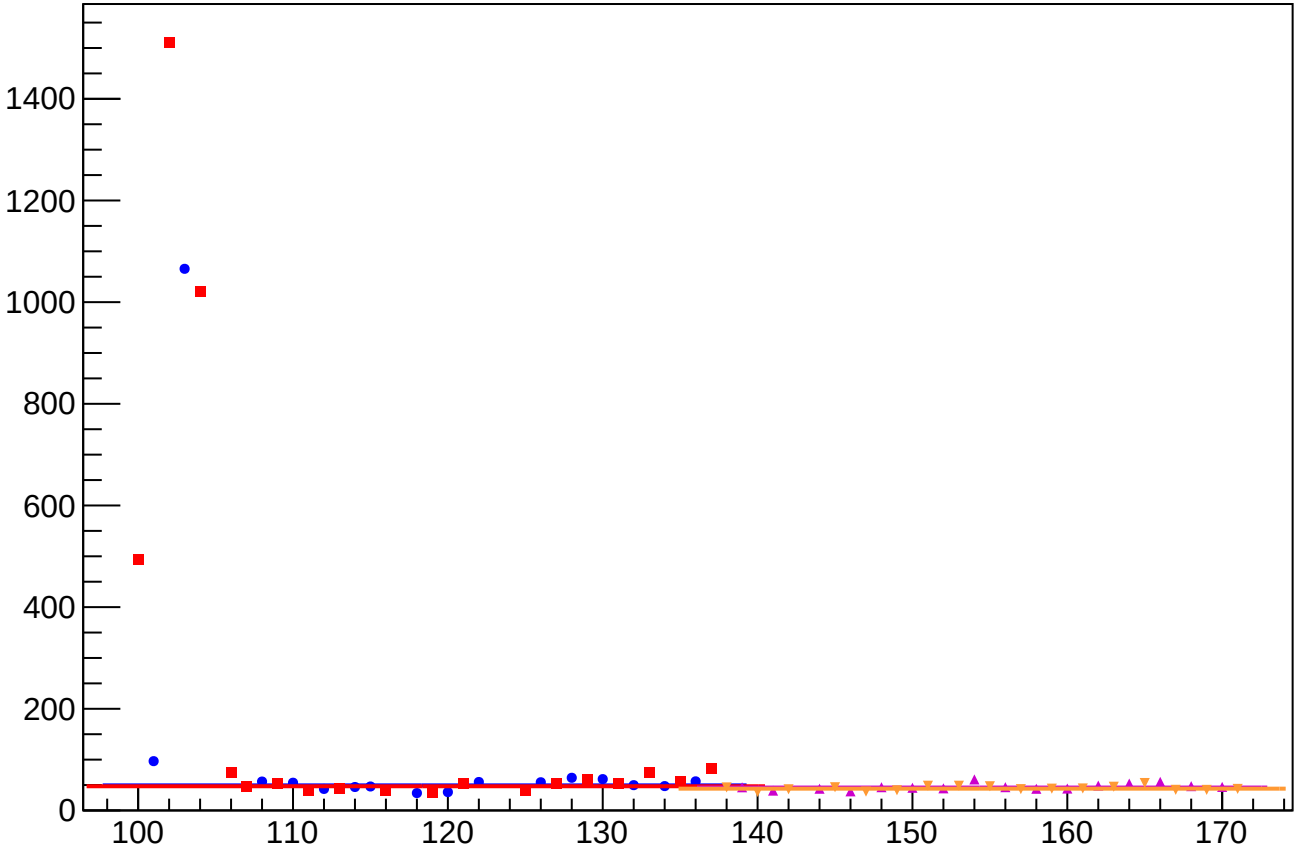
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.003+/-0.008 χ^2/NDF: 70.5/66

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: 45.045+/-0.009 χ^2/NDF:295985.2/15

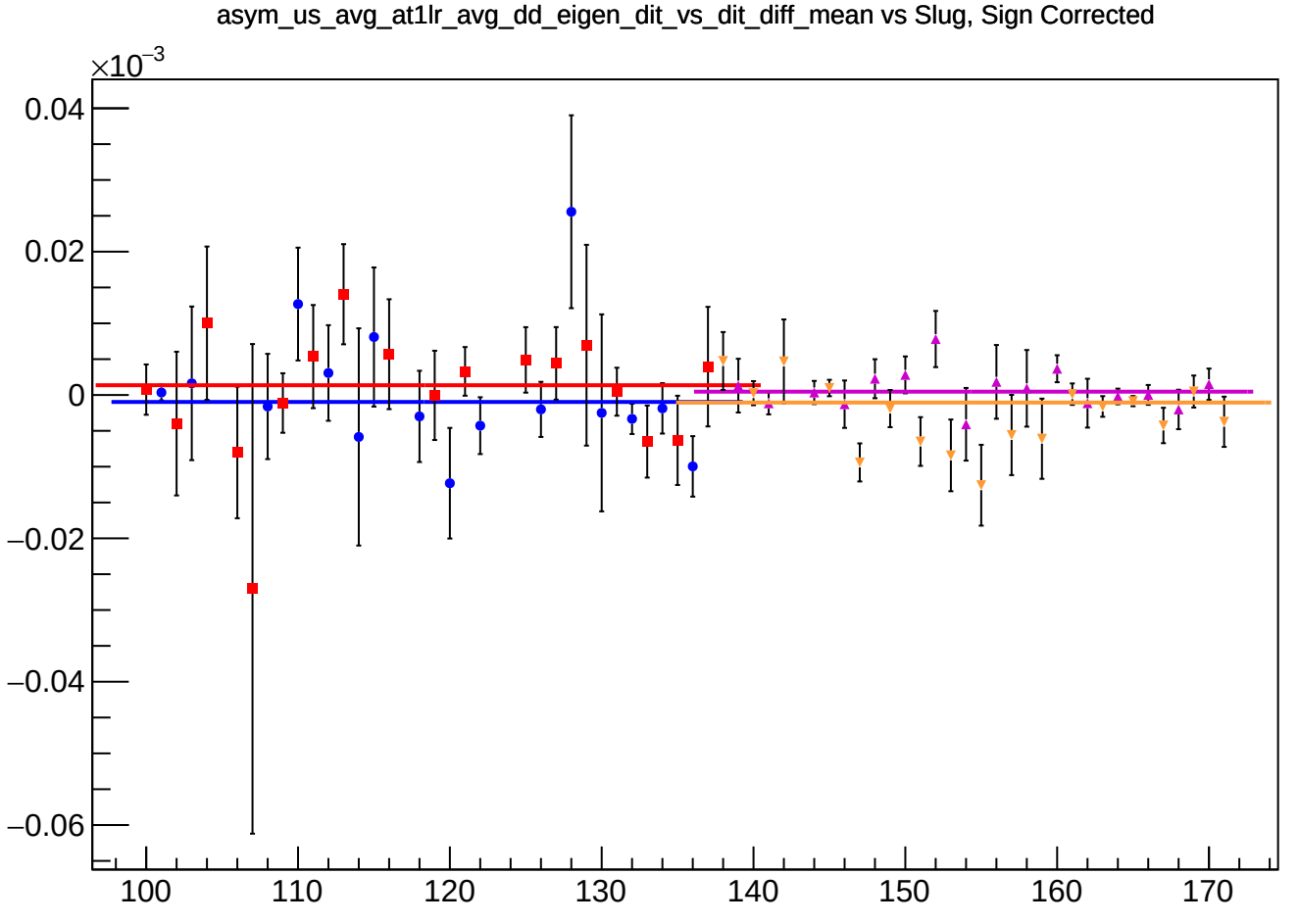
Left: 43.922+/-0.006 χ^2/NDF: 541422.0/32

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 46.274+/-0.008 χ^2/NDF:2132705.2/31

Out: 44.113+/-0.008 χ^2/NDF:2707299.9/34

All: 45.168+/-0.006 χ^2/NDF: 4877996.8/66



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:11.7/15

Left: -0.000+/-0.000 χ^2/NDF: 47.2/32

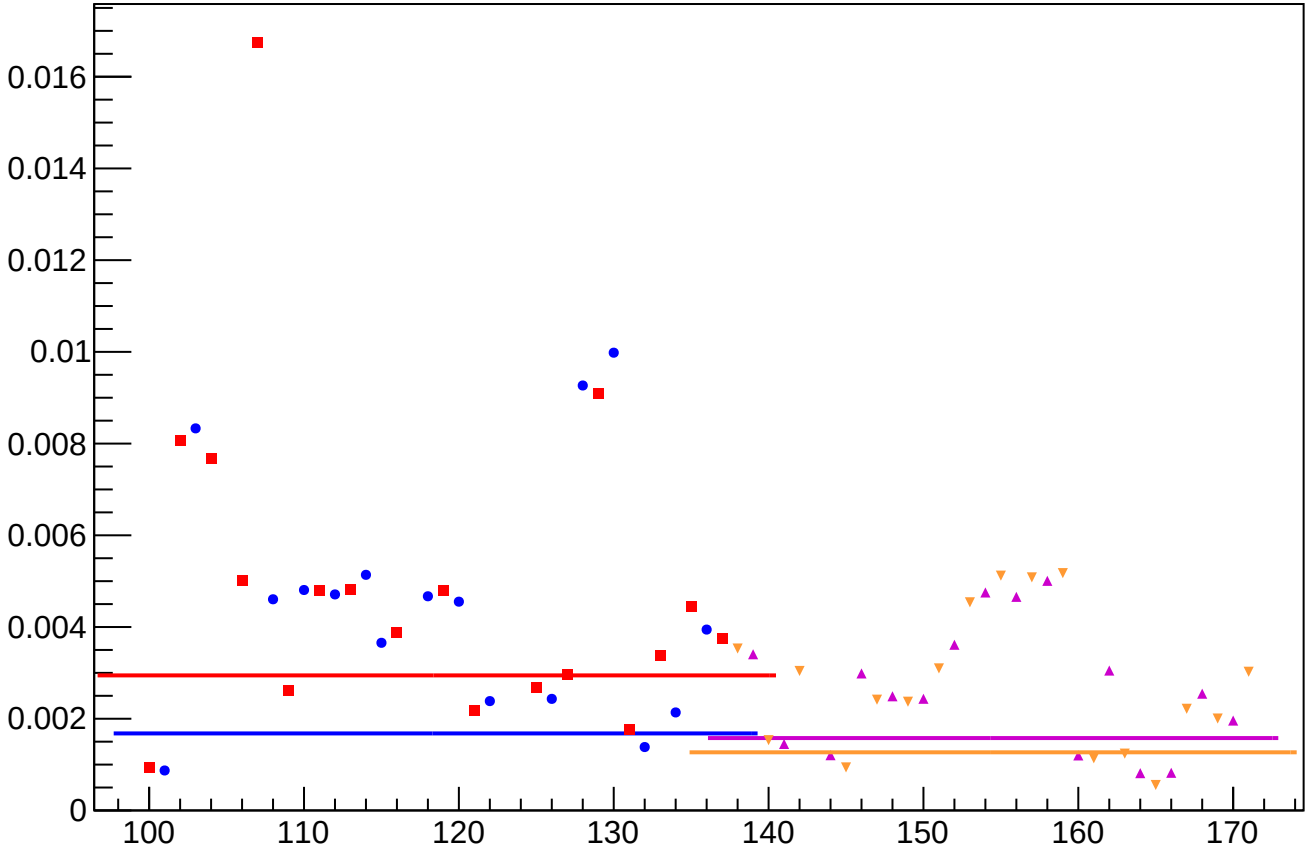
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:32.5/31

Out: -0.000+/-0.000 χ^2/NDF:46.5/34

All: -0.000+/-0.000 χ^2/NDF: 80.8/66

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:9046585.0/16

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:6607924.0/15

Left: 0.001+/-0.000 χ^2/NDF: 16053380.3/32

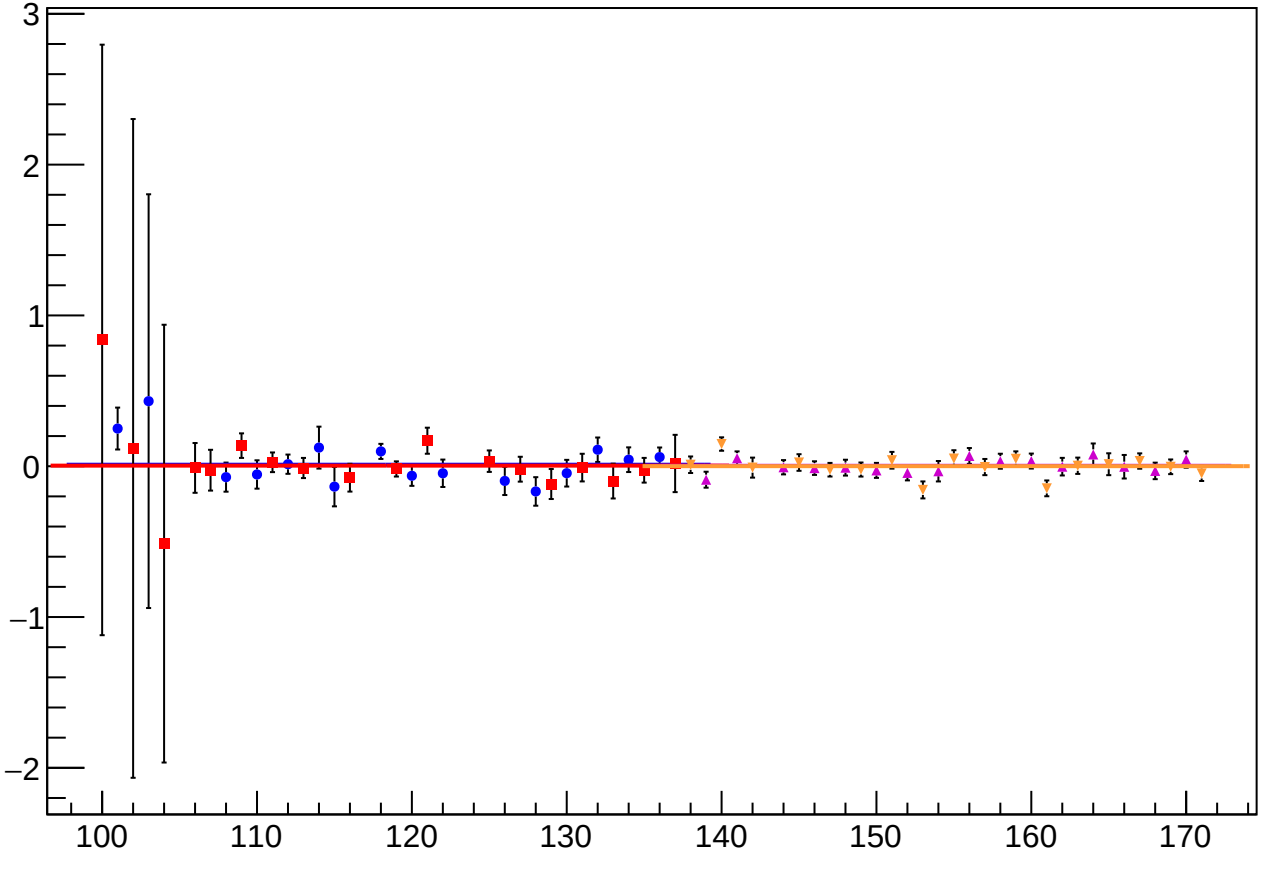
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:12589168.2/31

Out: 0.001+/-0.000 χ^2/NDF:15450249.8/34

All: 0.002+/-0.000 χ^2/NDF: 28177733.7/66

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: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.002+/-0.009 χ^2/NDF: 41.5/32

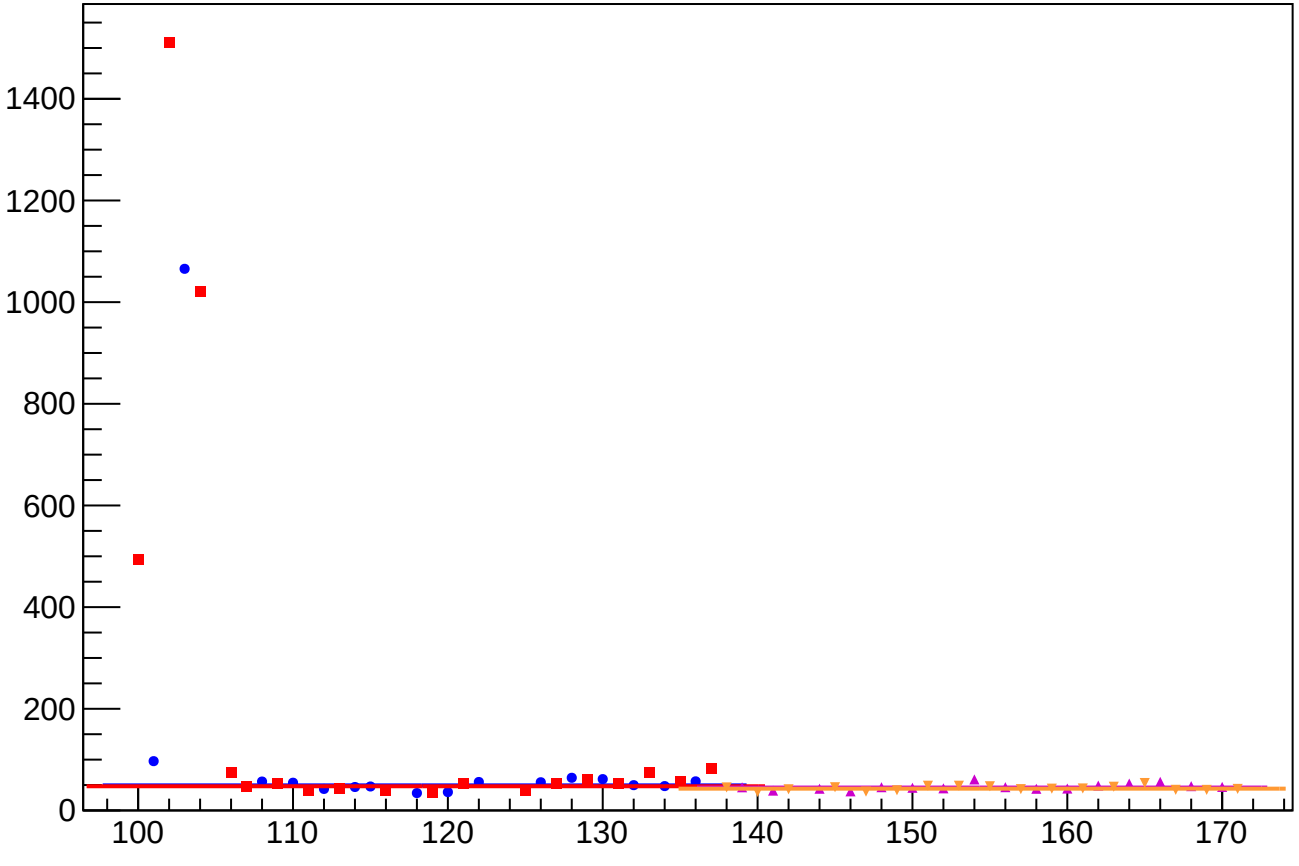
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.003+/-0.008 χ^2/NDF: 70.5/66

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: 45.045+/-0.009 χ^2/NDF:296046.5/15

Left: 43.922+/-0.006 χ^2/NDF: 541491.2/32

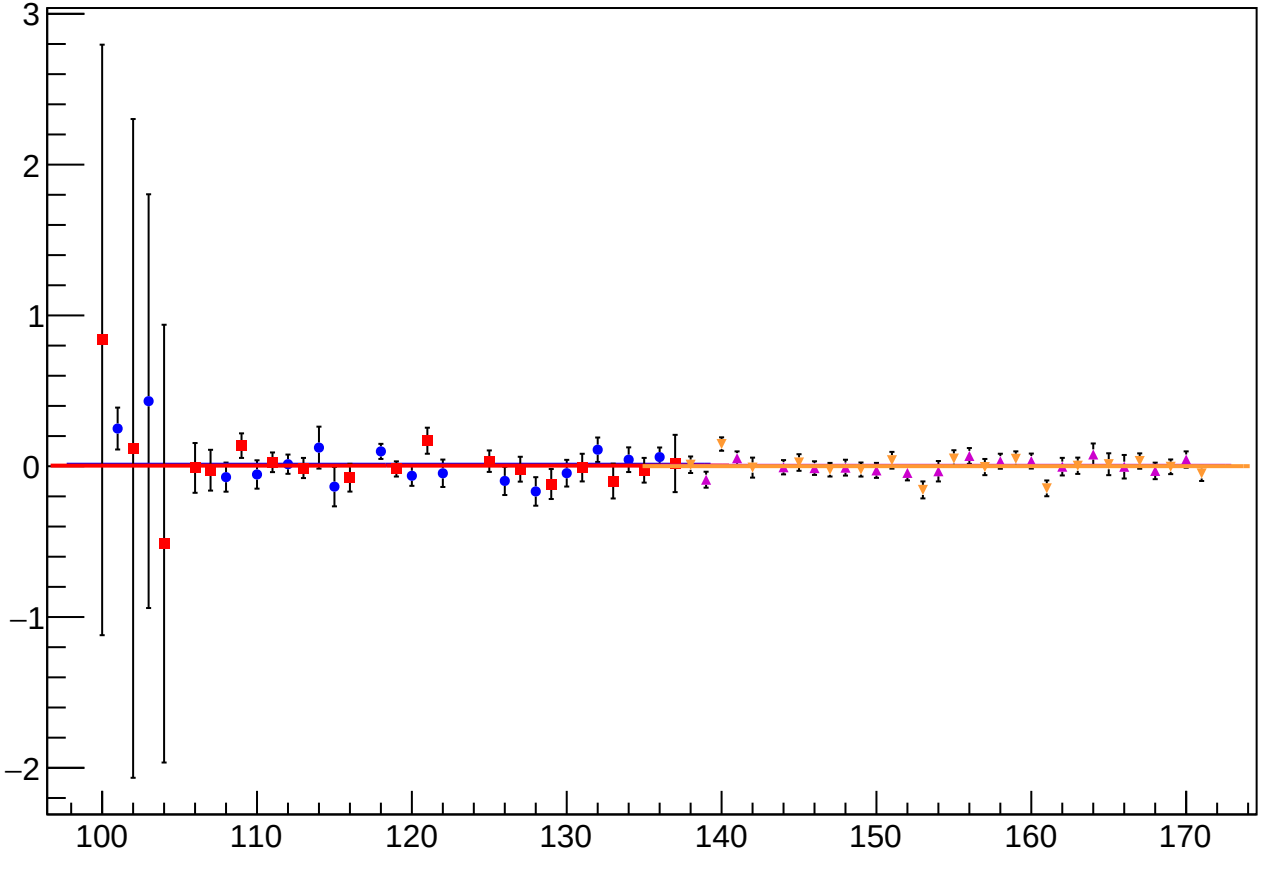
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.274+/-0.008 χ^2/NDF:2132713.3/31

Out: 44.113+/-0.008 χ^2/NDF:2707324.6/34

All: 45.168+/-0.006 χ^2/NDF: 4878029.0/66

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: 0.003+/-0.013 χ^2/NDF:10.4/15

Left: 0.002+/-0.009 χ^2/NDF: 41.5/32

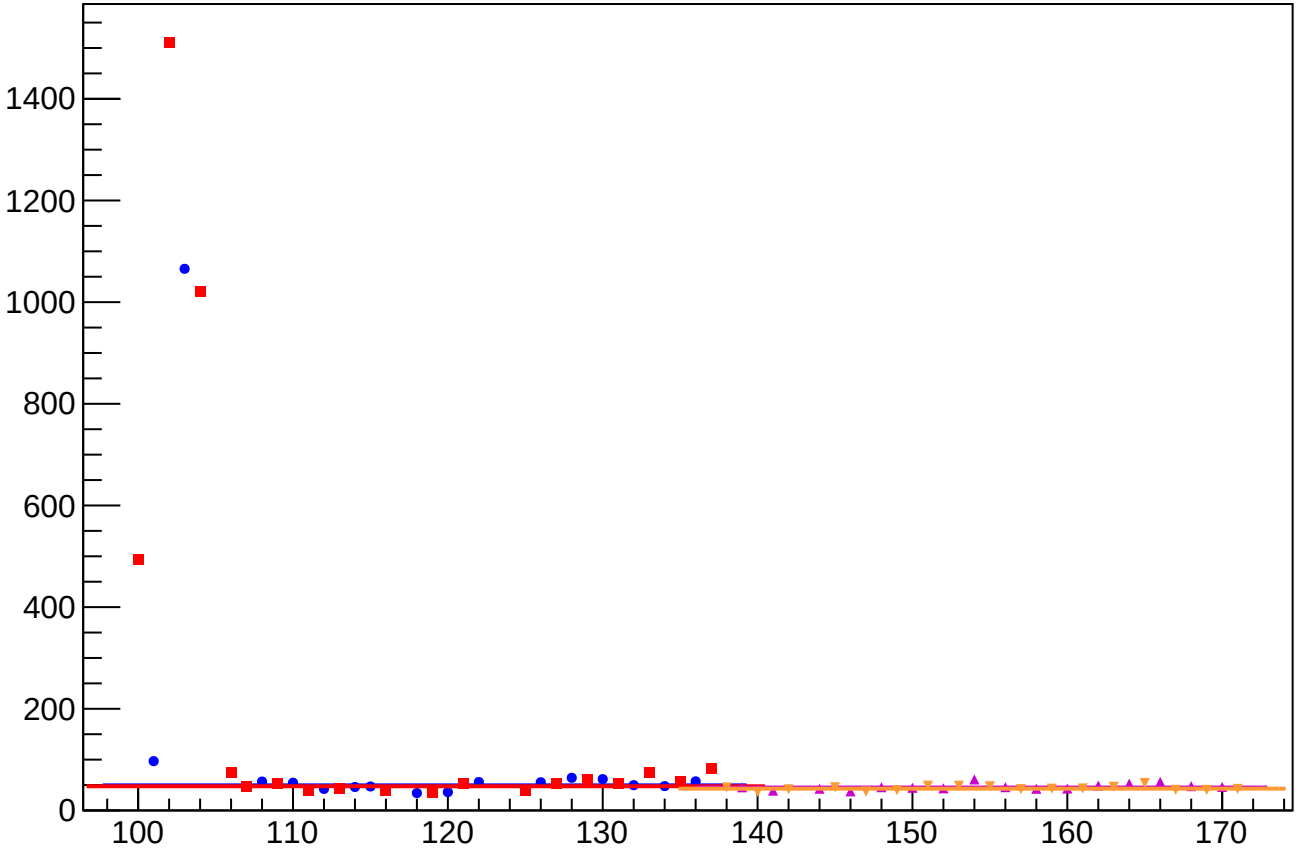
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:29.0/31

Out: 0.001+/-0.011 χ^2/NDF:41.5/34

All: 0.003+/-0.008 χ^2/NDF: 70.5/66

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: 45.045+/-0.009 χ^2/NDF:296046.5/15

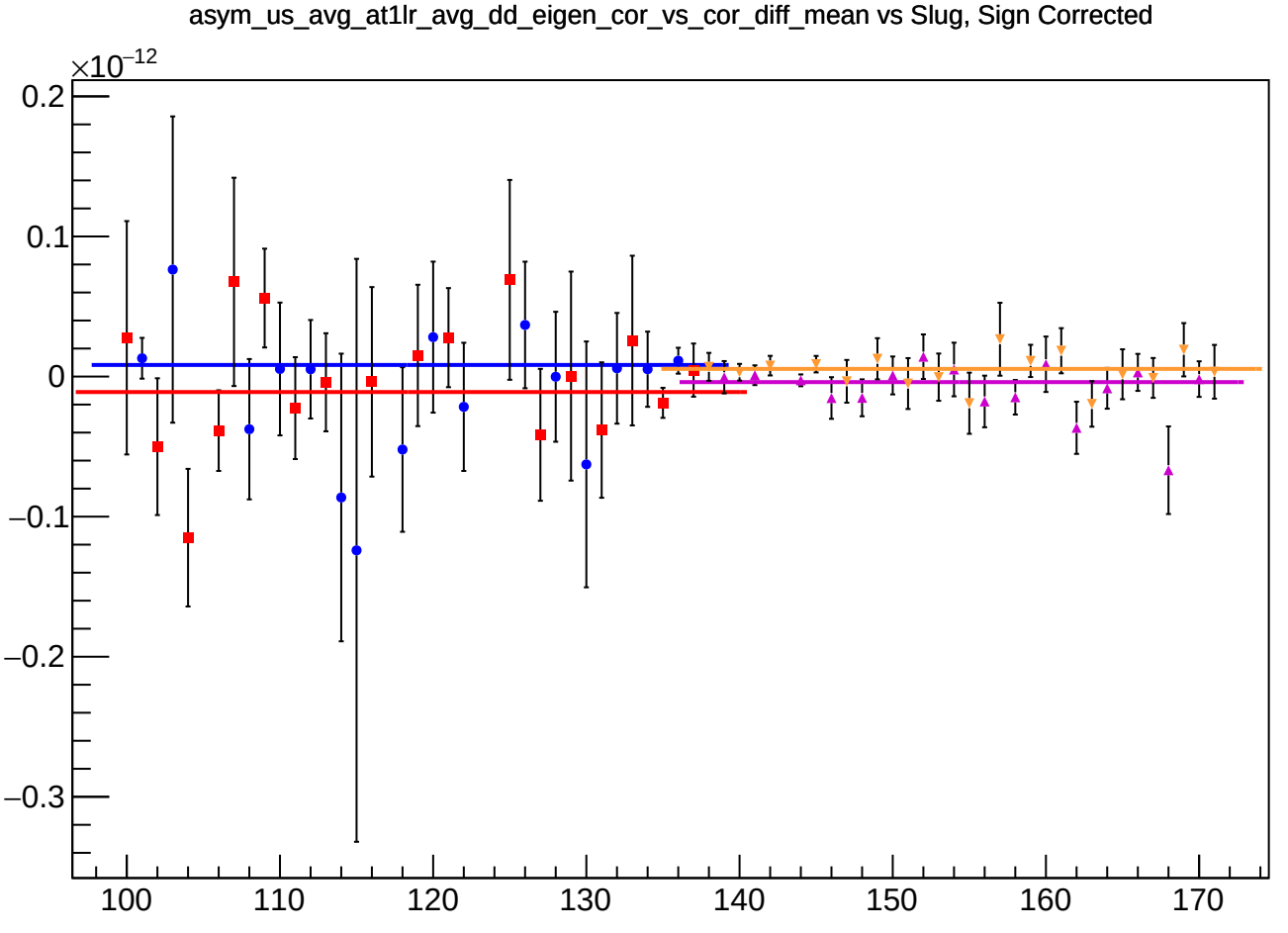
Left: 43.922+/-0.006 χ^2/NDF: 541491.2/32

Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 46.274+/-0.008 χ^2/NDF:2132713.3/31

Out: 44.113+/-0.008 χ^2/NDF:2707324.6/34

All: 45.168+/-0.006 χ^2/NDF: 4878029.0/66



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.6/16

Right Out: -0.000+/-0.000 χ^2/NDF: 16.2/17

Left In: -0.000+/-0.000 χ^2/NDF:12.9/15

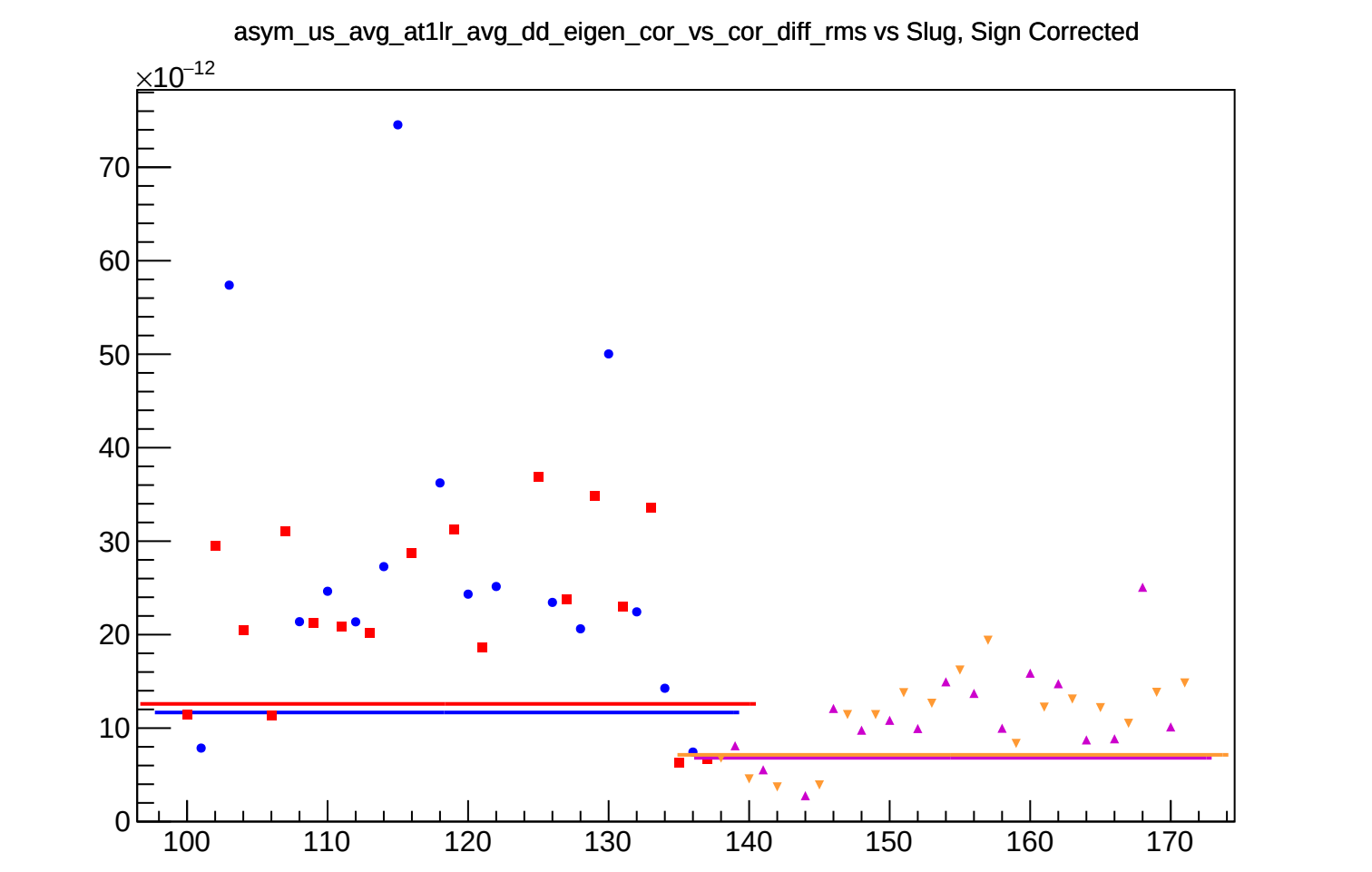
Left: 0.000+/-0.000 χ^2/NDF: 26.6/32

Right: -0.000+/-0.000 χ^2/NDF: 25.5/33

In: -0.000+/-0.000 χ^2/NDF:21.2/31

Out: 0.000+/-0.000 χ^2/NDF:28.4/34

All: 0.000+/-0.000 χ^2/NDF: 52.2/66



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:5004635.4/15

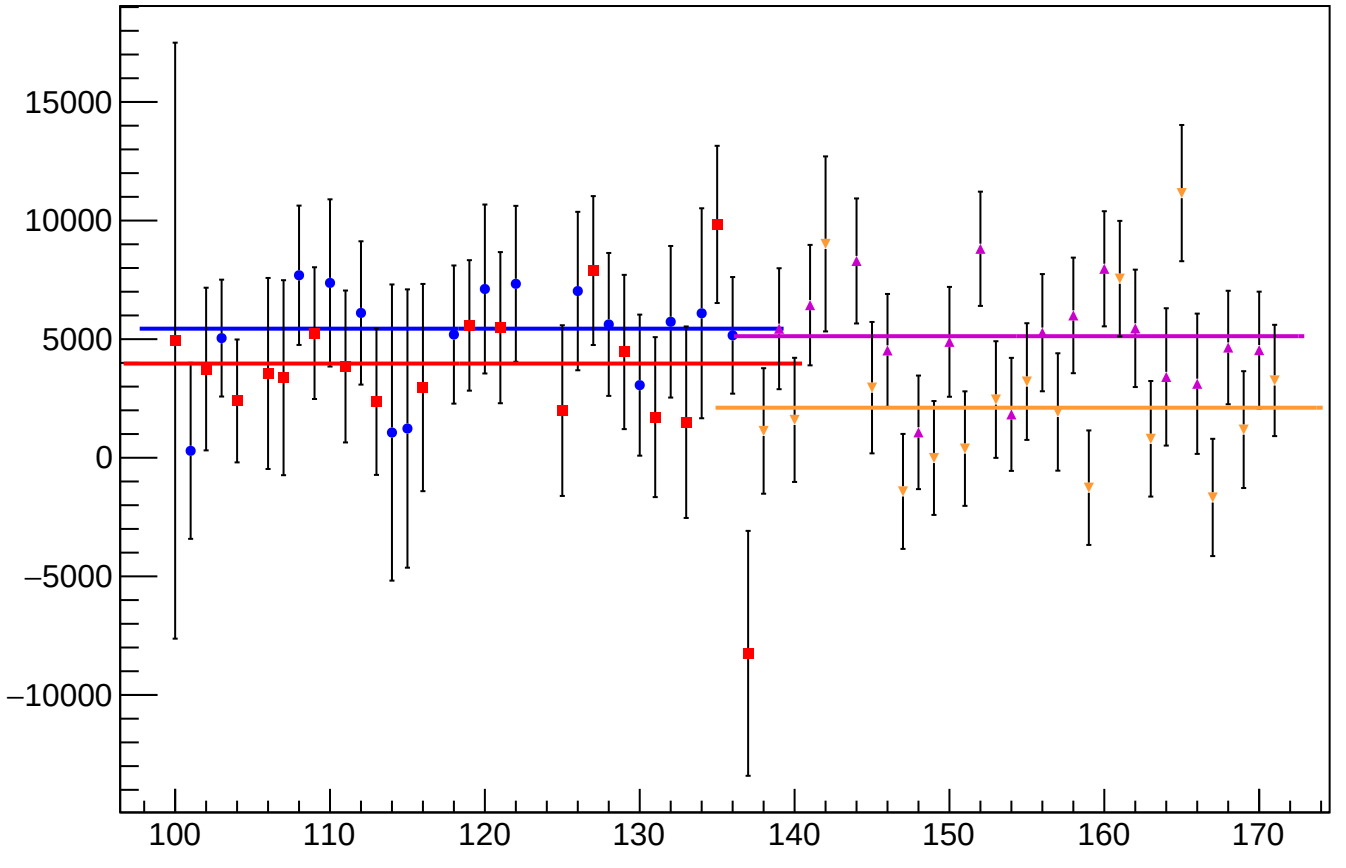
Left: 0.000+/-0.000 χ^2/NDF: 9405498.1/32

Right: 0.000+/-0.000 χ^2/NDF: 5846038.9/33

In: 0.000+/-0.000 χ^2/NDF:8821998.0/31

Out: 0.000+/-0.000 χ^2/NDF:8306170.6/34

All: 0.000+/-0.000 χ^2/NDF: 17144660.6/66



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: 5125.160+/-622.899 χ^2/NDF:11.4/15

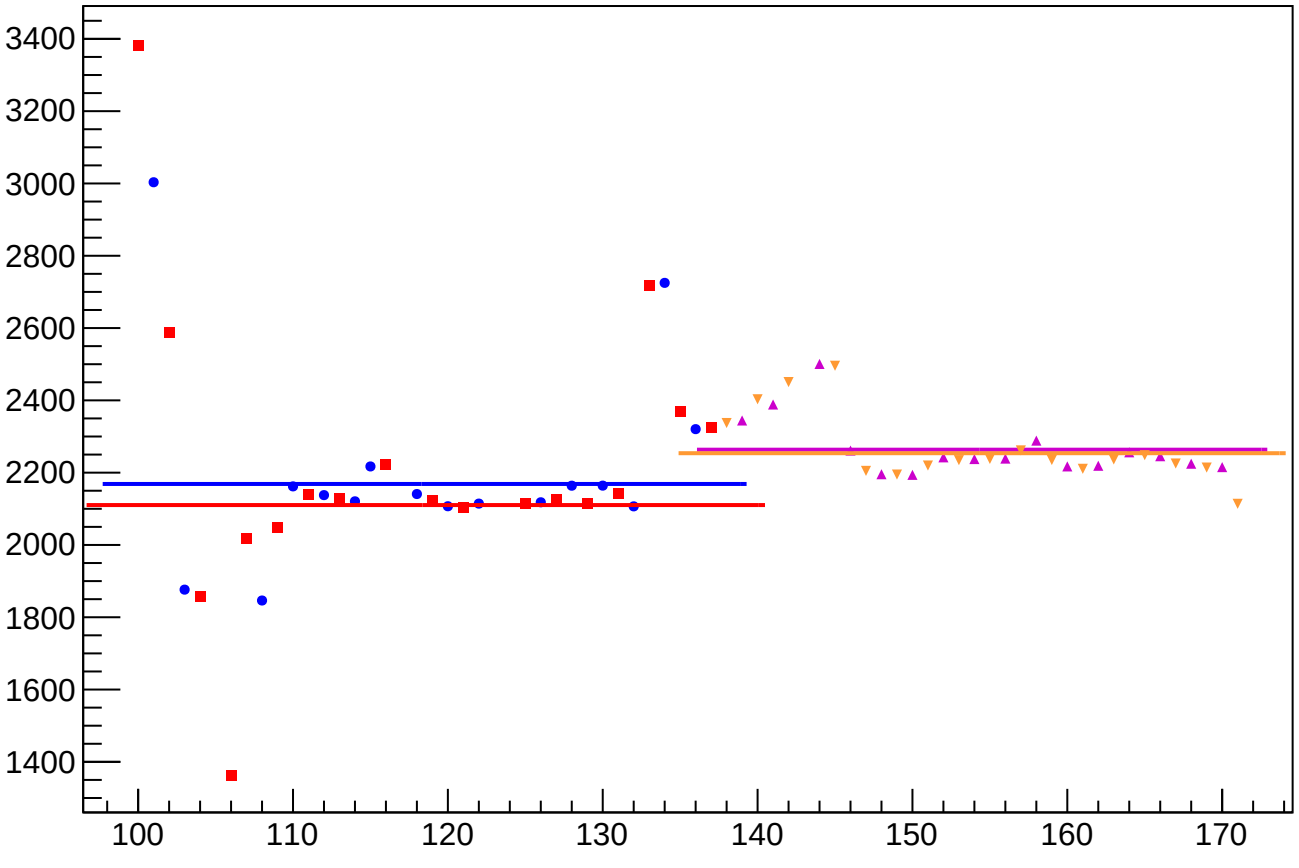
Left: 3598.955+/-437.714 χ^2/NDF: 50.5/32

Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

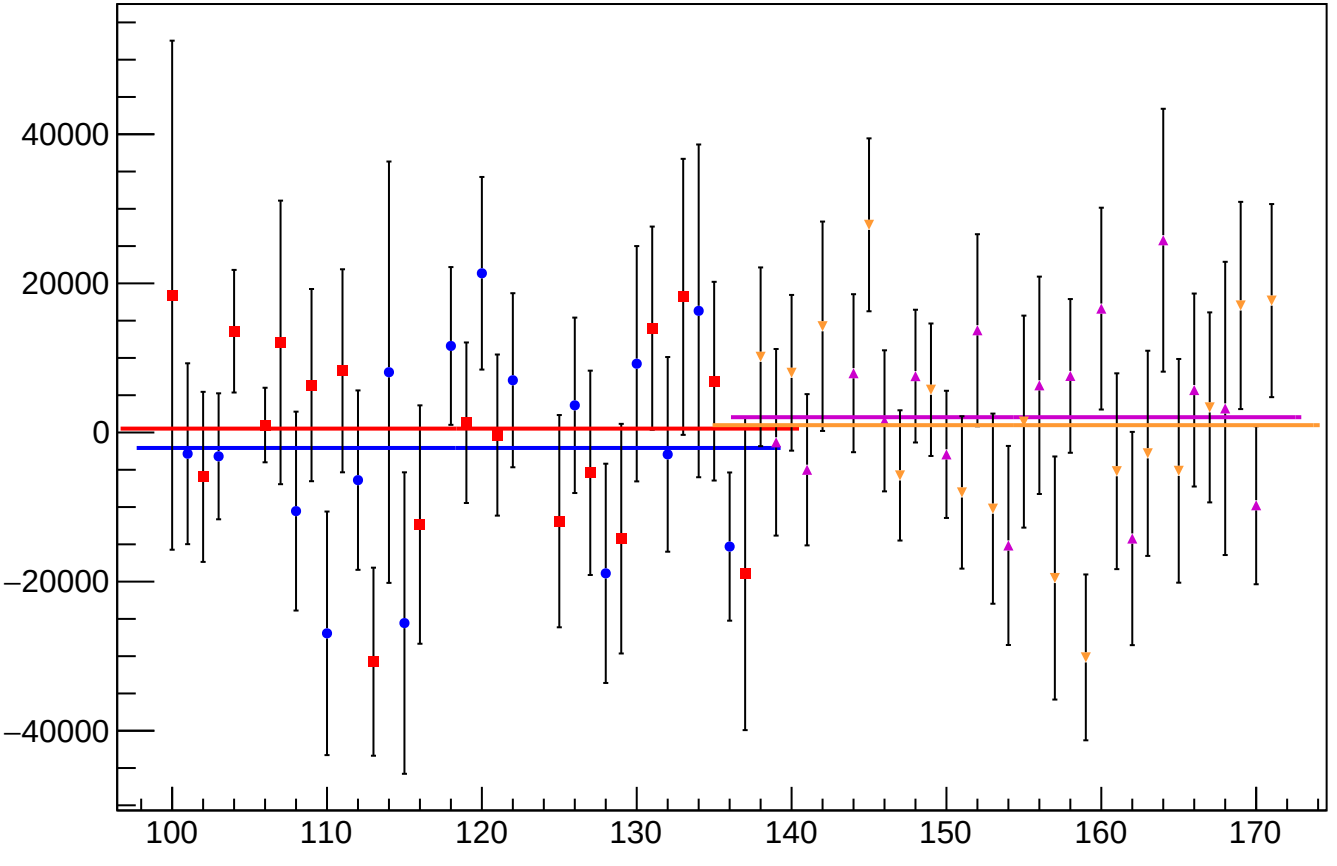
In: 5242.565+/-494.349 χ^2/NDF:16.8/31

Out: 2792.236+/-489.707 χ^2/NDF:43.6/34

All: 4005.842+/-347.905 χ^2/NDF: 72.8/66


reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 2168.715+/-0.575 χ²/NDF: 195659.5/15
Left Out: 2253.801+/-0.435 χ²/NDF:40849.1/16
Right Out: 2110.365+/-0.563 χ²/NDF: 267413.4/17
Left In: 2263.538+/-0.440 χ²/NDF:30020.6/15
Left: 2258.609+/-0.310 χ²/NDF: 71117.1/32
Right: 2138.947+/-0.402 χ²/NDF: 468334.9/33
In: 2228.439+/-0.350 χ²/NDF:242835.5/31
Out: 2200.176+/-0.344 χ²/NDF:348907.1/34
All: 2214.090+/-0.245 χ²/NDF: 595061.4/66

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: 2052.486+/-2894.766 χ^2/NDF:10.0/15

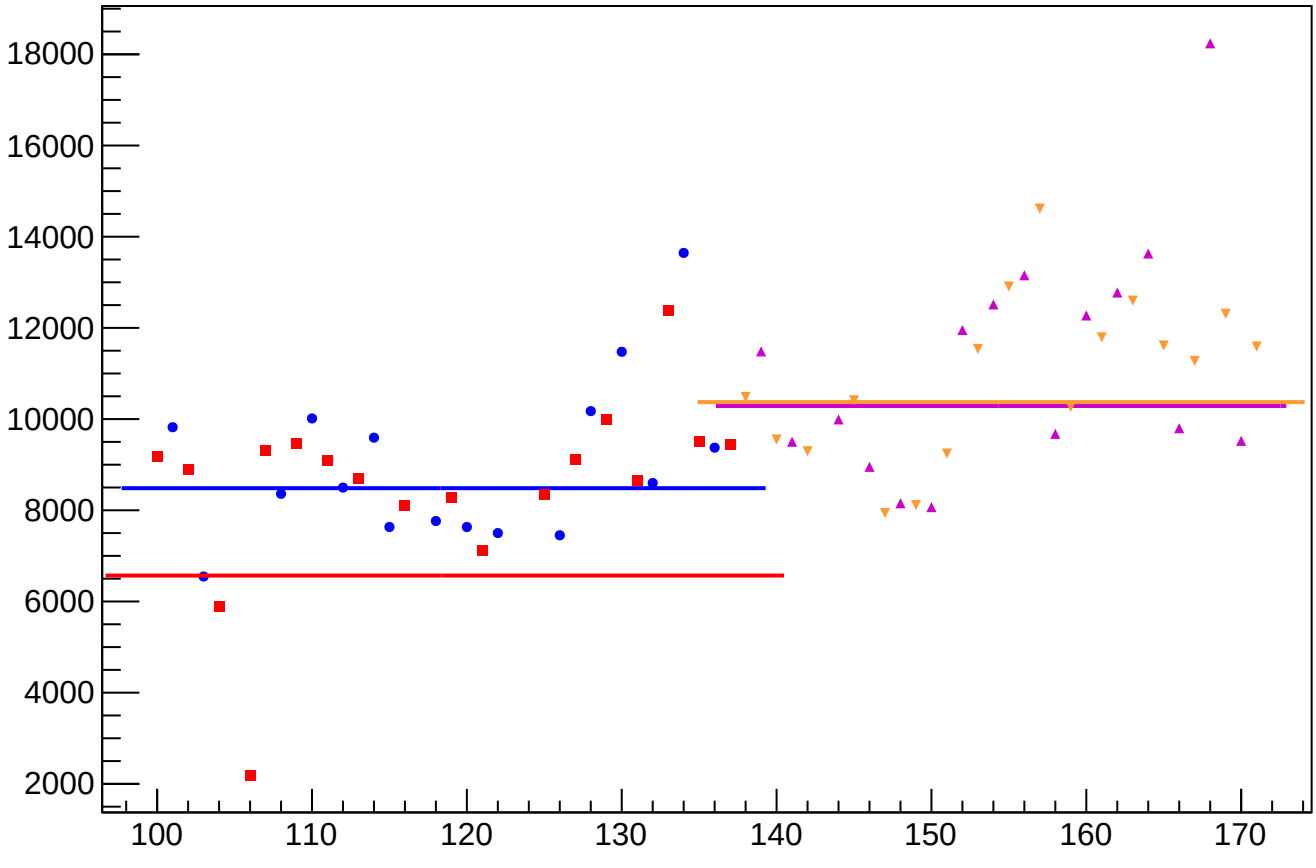
Left: 1516.567+/-2045.094 χ^2/NDF: 32.8/32

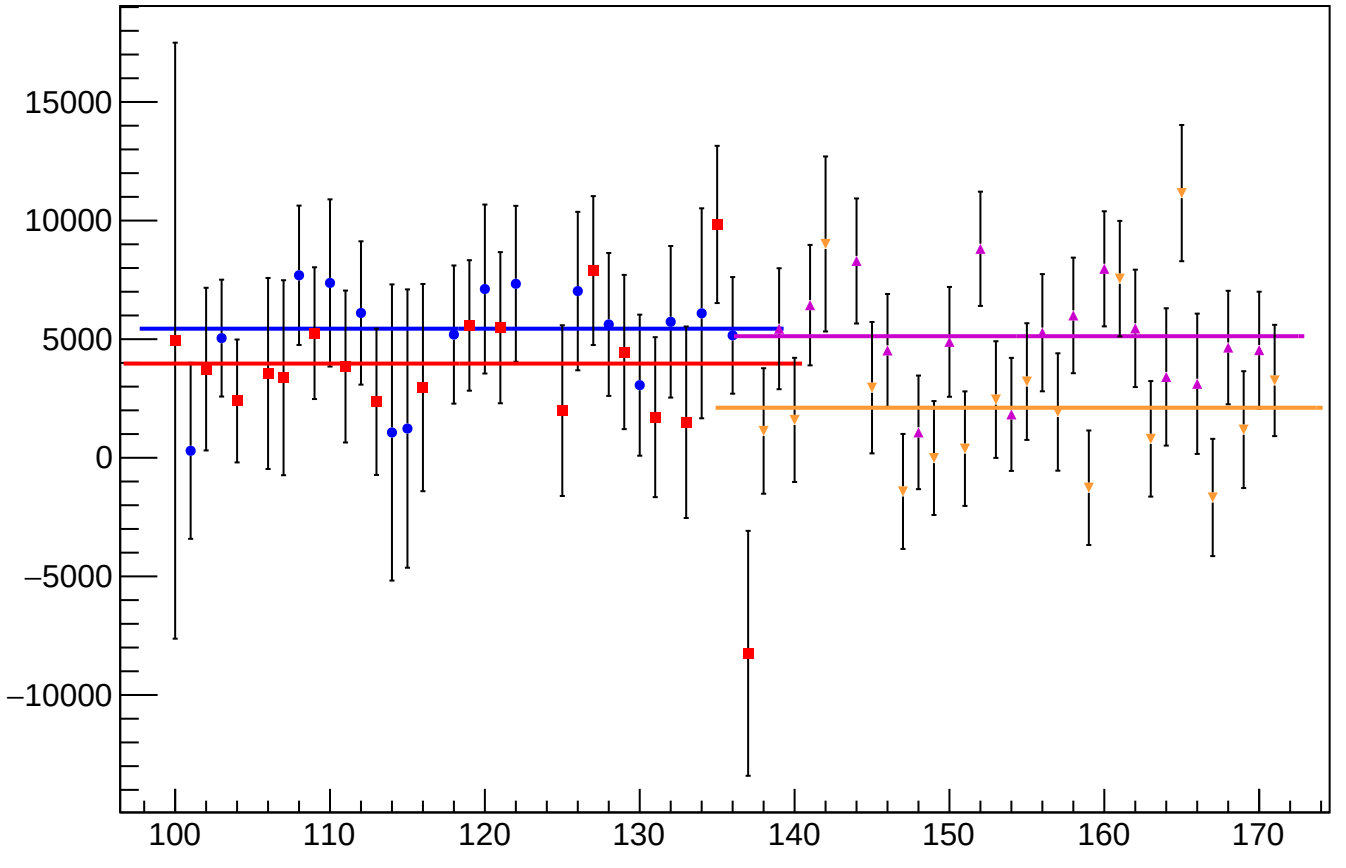
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: 202.710+/-2150.370 χ^2/NDF:25.4/31

Out: 737.695+/-1978.882 χ^2/NDF:38.3/34

All: 492.382+/-1456.138 χ^2/NDF: 63.8/66


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10372.571+/-2.043 χ²/NDF:705398.0/16
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10287.607+/-2.047 χ²/NDF:1011340.2/15
Left: 10330.164+/-1.446 χ²/NDF: 1717601.1/32
Right: 7367.464+/-1.466 χ²/NDF: 3406715.7/33
In: 9479.719+/-1.521 χ²/NDF:1781626.8/31
Out: 8352.637+/-1.399 χ²/NDF:5114650.6/34
All: 8869.451+/-1.030 χ²/NDF: 7193772.3/66



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2110.033+/-615.216 χ^2/NDF:27.3/16

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5125.219+/-622.899 χ^2/NDF:11.4/15

Left: 3598.916+/-437.714 χ^2/NDF: 50.5/32

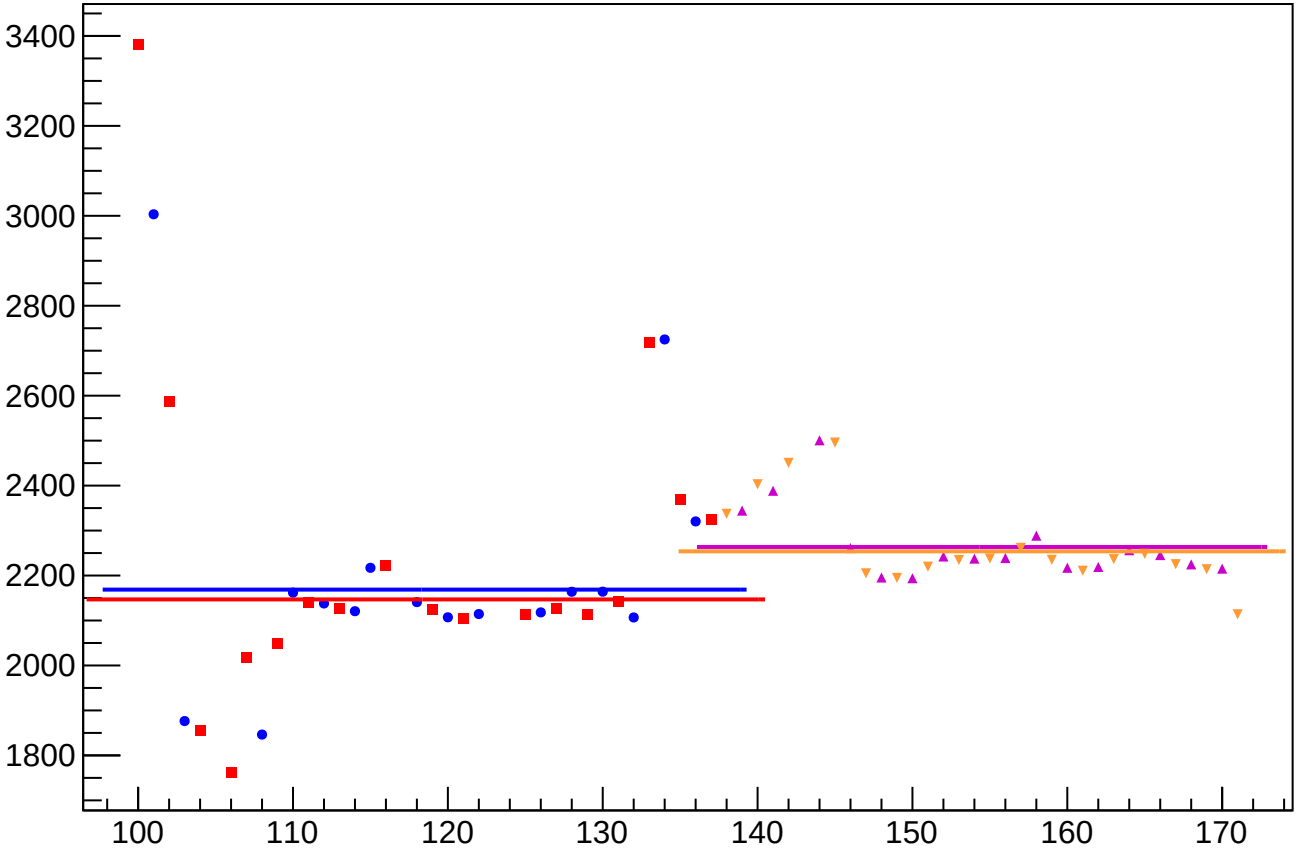
Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5242.654+/-494.349 χ^2/NDF:16.8/31

Out: 2792.056+/-489.707 χ^2/NDF:43.6/34

All: 4005.795+/-347.905 χ^2/NDF: 72.8/66

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



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: 2263.538+/-0.440 χ^2/NDF:30020.6/15

Left: 2258.609+/-0.310 χ^2/NDF: 71117.1/32

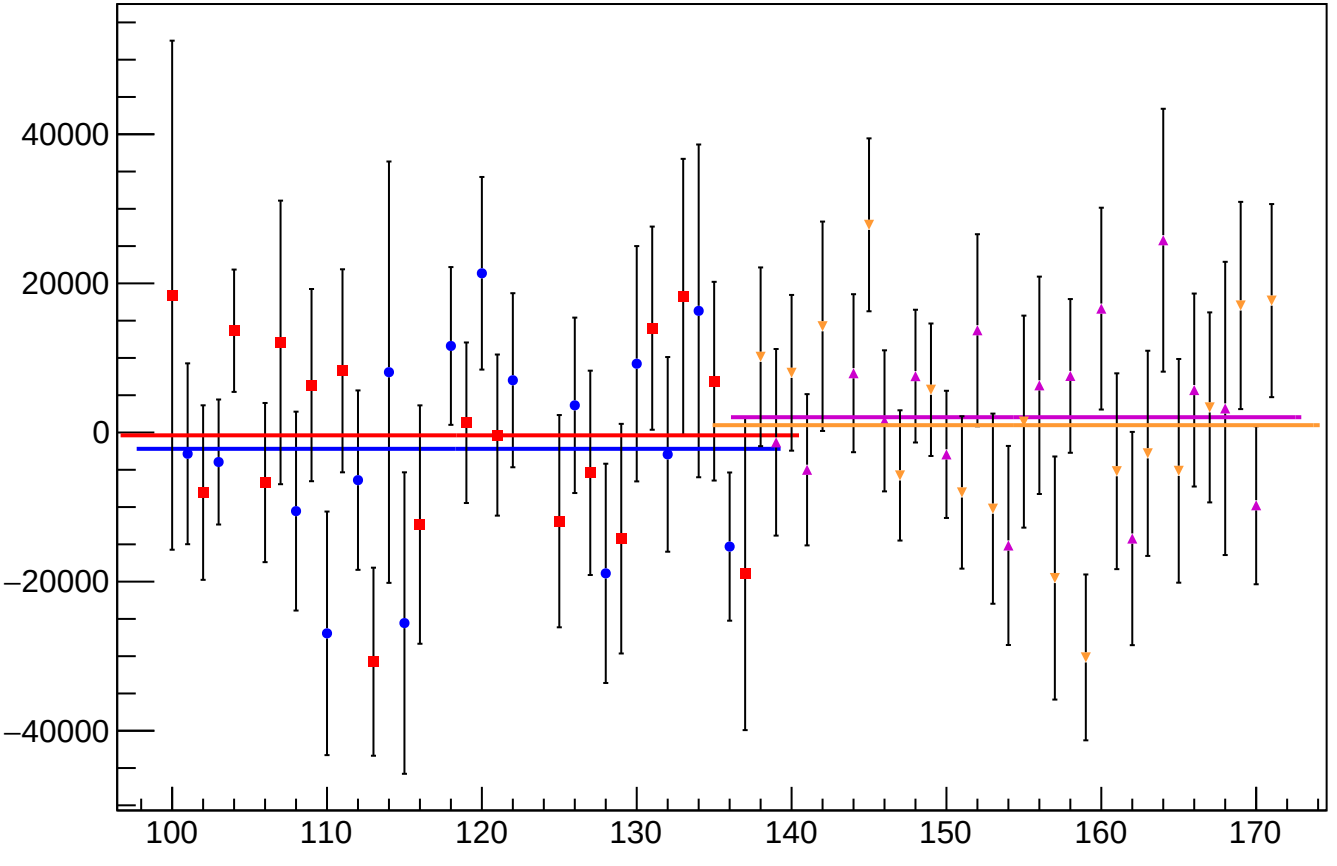
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.439+/-0.350 χ^2/NDF:242835.9/31

Out: 2214.381+/-0.346 χ^2/NDF:220870.0/34

All: 2221.331+/-0.246 χ^2/NDF: 464523.6/66

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: 2052.652+/-2894.764 χ^2/NDF:10.0/15

Left: 1516.630+/-2045.093 χ^2/NDF: 32.8/32

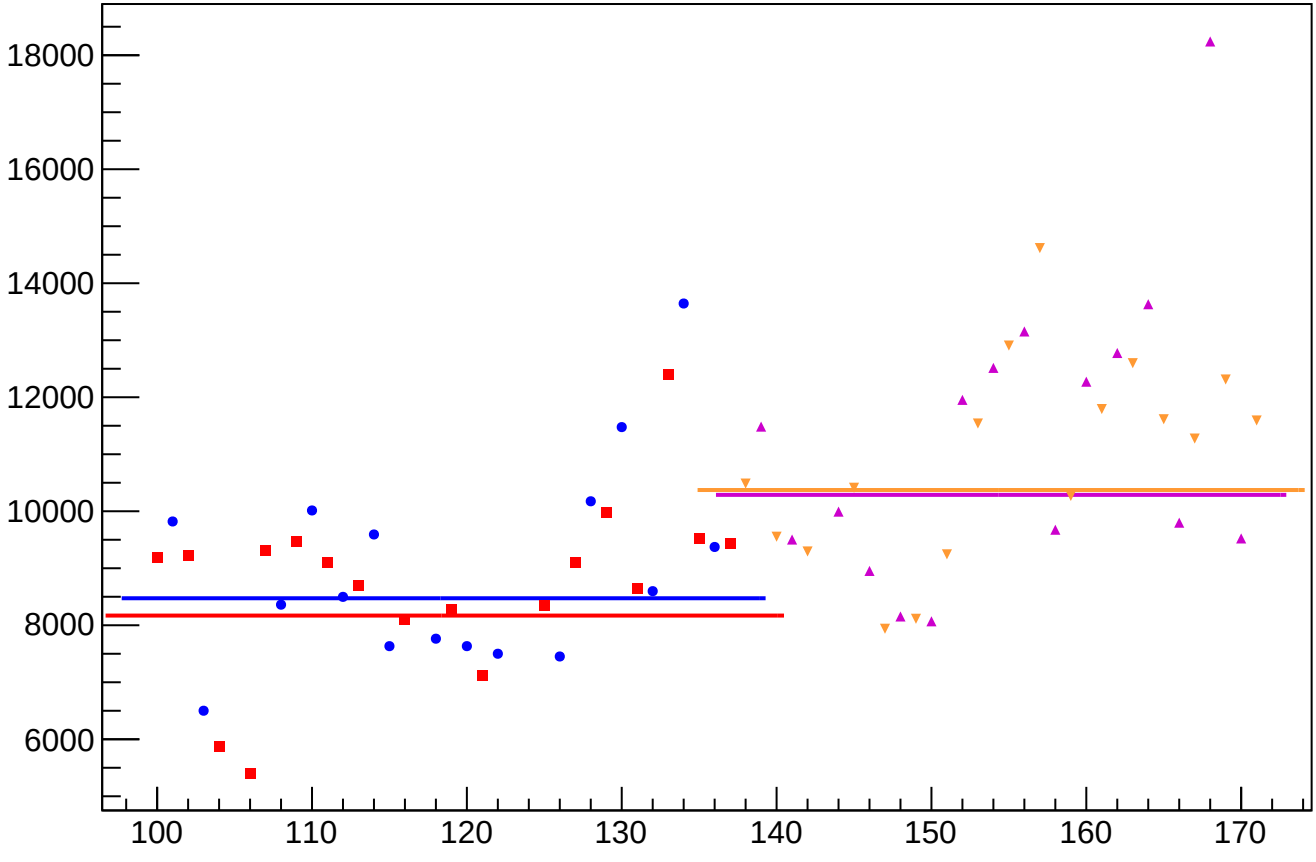
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: 149.192+/-2149.297 χ^2/NDF:25.5/31

Out: 349.391+/-2113.727 χ^2/NDF:39.1/34

All: 250.962+/-1507.049 χ^2/NDF: 64.5/66

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: 10287.600+/-2.047 χ^2/NDF:1011346.0/15

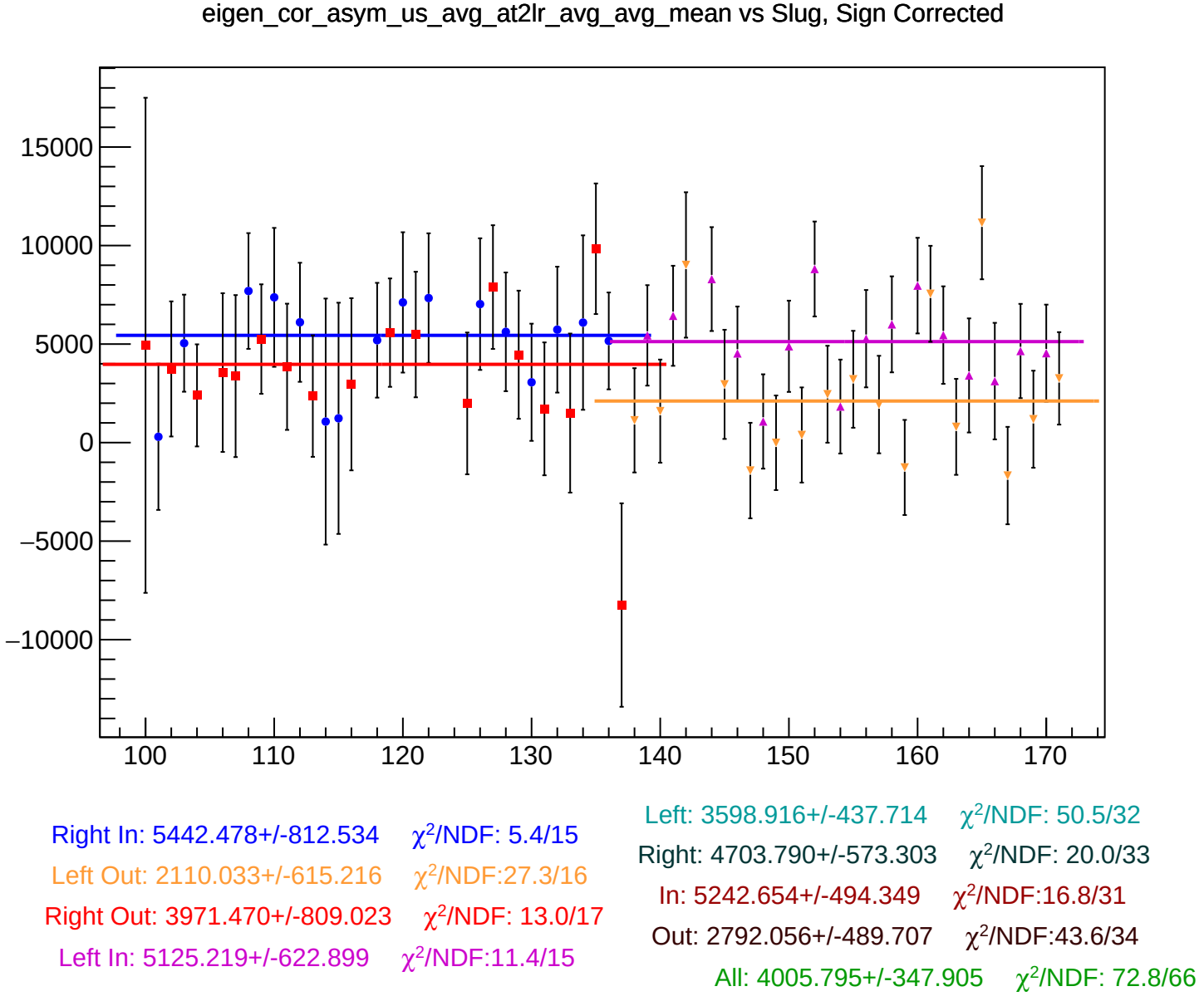
Left: 10330.156+/-1.446 χ^2/NDF: 1717608.6/32

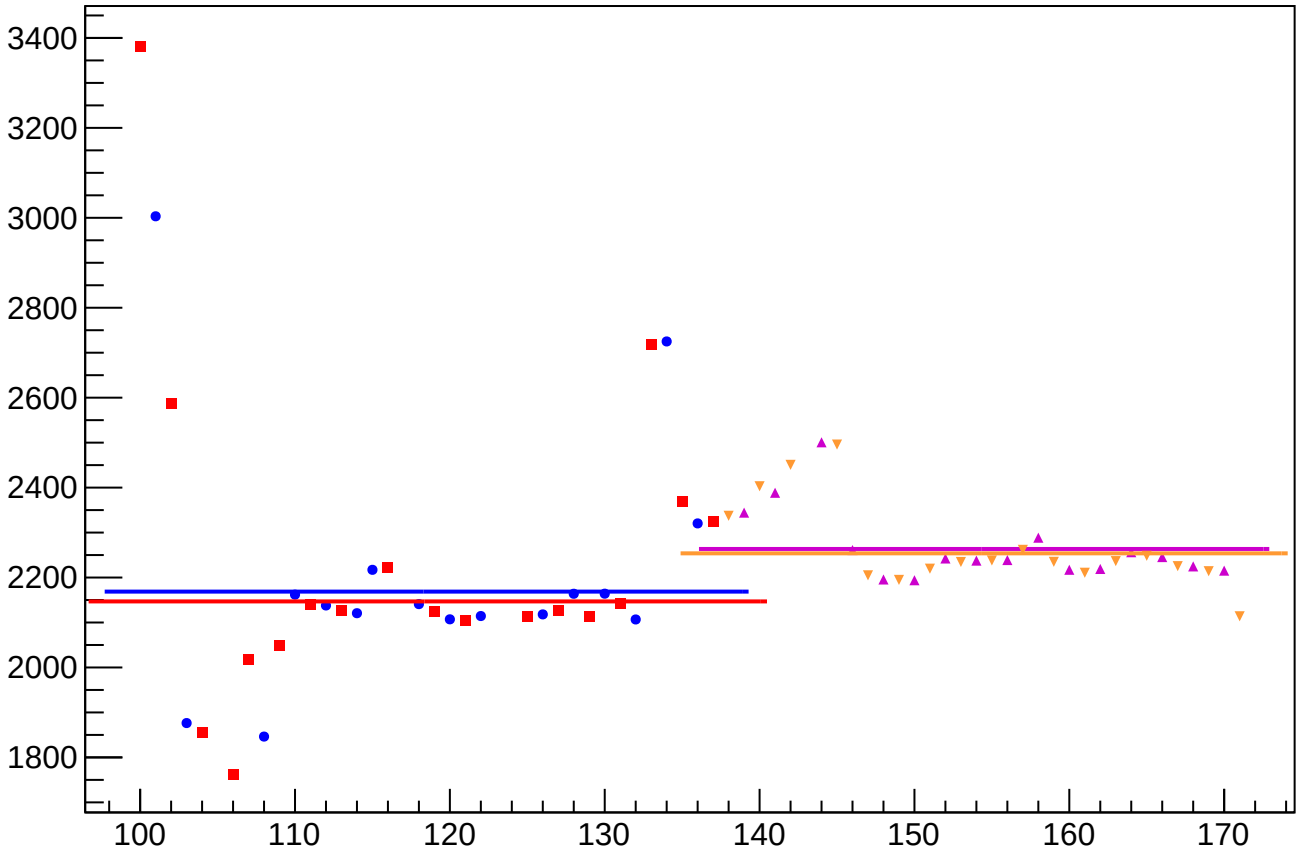
Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9473.673+/-1.520 χ^2/NDF:1793257.6/31

Out: 9348.538+/-1.495 χ^2/NDF:1785551.9/34

All: 9410.061+/-1.066 χ^2/NDF: 3582255.8/66


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: 5125.219+/-622.899 χ²/NDF:11.4/15
Left: 3598.916+/-437.714 χ²/NDF: 50.5/32
Right: 4703.790+/-573.303 χ²/NDF: 20.0/33
In: 5242.654+/-494.349 χ²/NDF:16.8/31
Out: 2792.056+/-489.707 χ²/NDF:43.6/34
All: 4005.795+/-347.905 χ²/NDF: 72.8/66



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: 2263.538+/-0.440 χ^2/NDF:30020.6/15

Left: 2258.609+/-0.310 χ^2/NDF: 71117.1/32

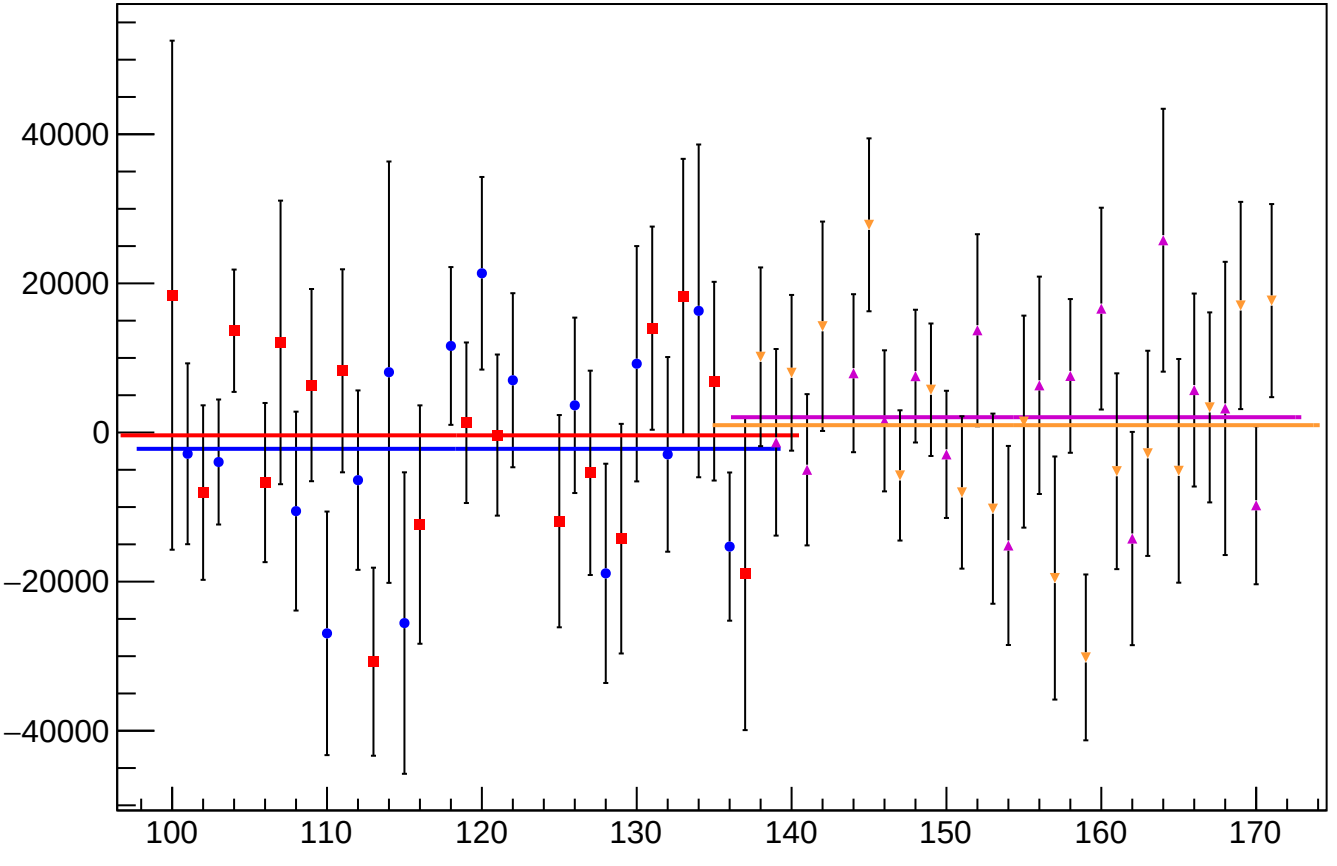
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2228.439+/-0.350 χ^2/NDF:242835.9/31

Out: 2214.381+/-0.346 χ^2/NDF:220870.0/34

All: 2221.331+/-0.246 χ^2/NDF: 464523.6/66

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: 2052.652+/-2894.764 χ^2/NDF:10.0/15

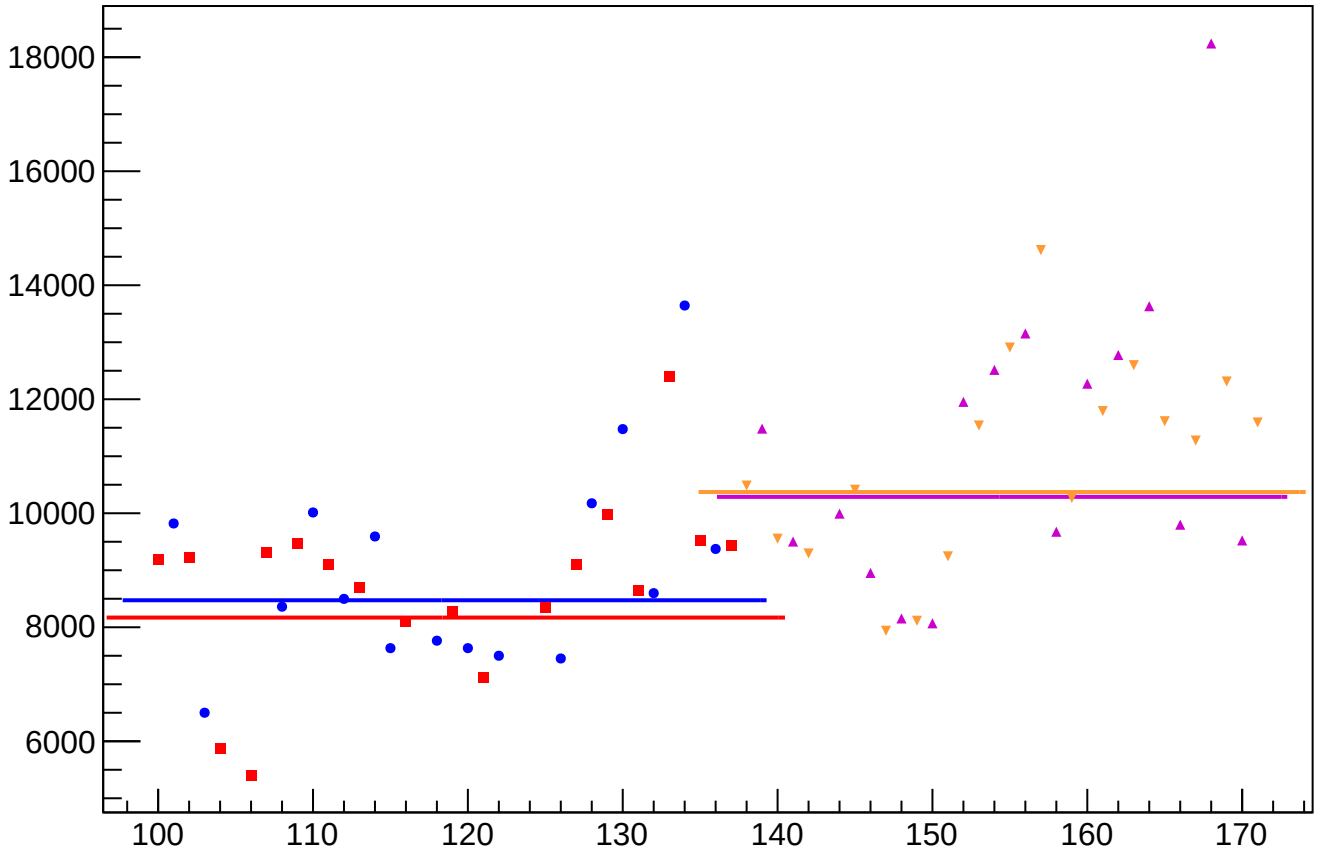
Left: 1516.630+/-2045.093 χ^2/NDF: 32.8/32

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: 149.192+/-2149.297 χ^2/NDF:25.5/31

Out: 349.391+/-2113.727 χ^2/NDF:39.1/34

All: 250.962+/-1507.049 χ^2/NDF: 64.5/66



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: 10287.600+/-2.047 χ^2/NDF:1011346.0/15

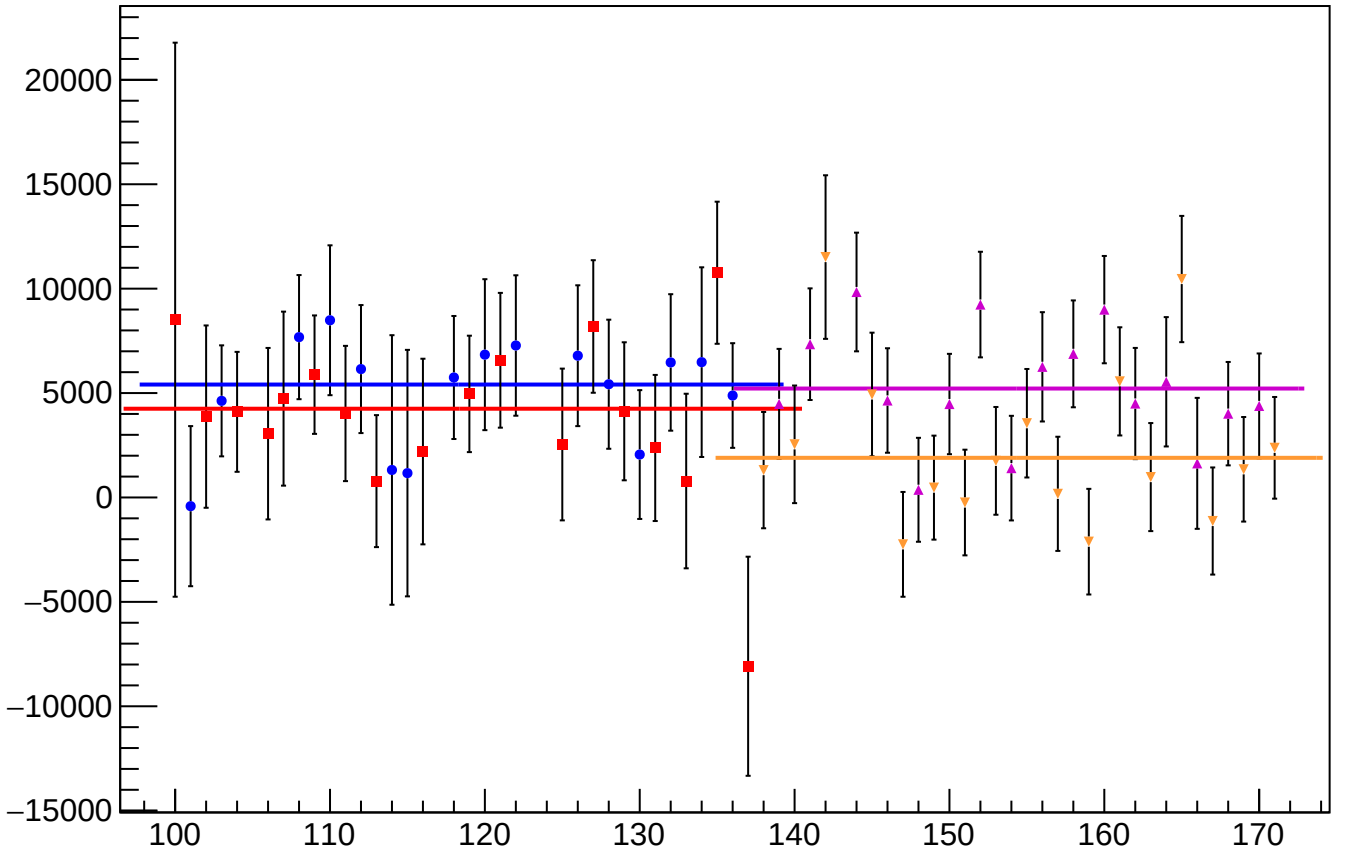
Left: 10330.156+/-1.446 χ^2/NDF: 1717608.6/32

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9473.673+/-1.520 χ^2/NDF:1793257.6/31

Out: 9348.538+/-1.495 χ^2/NDF:1785551.9/34

All: 9410.061+/-1.066 χ^2/NDF: 3582255.8/66



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: 5216.510+/-654.247 χ^2/NDF:16.6/15

Left: 3539.528+/-460.136 χ^2/NDF: 55.5/32

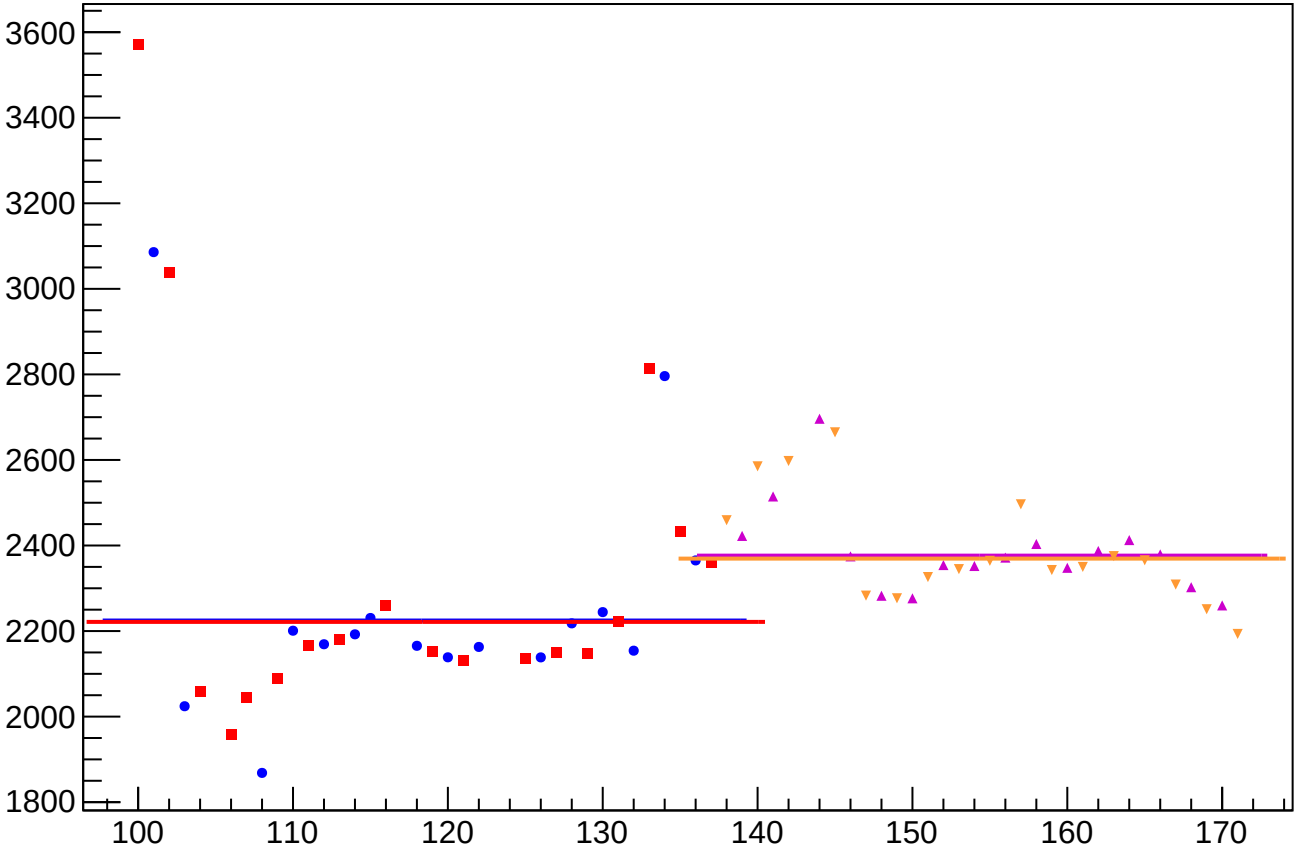
Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5289.442+/-514.684 χ^2/NDF:23.4/31

Out: 2775.154+/-512.561 χ^2/NDF:45.3/34

All: 4027.102+/-363.184 χ^2/NDF: 80.6/66

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: 2376.325+/-0.463 χ^2/NDF:44802.0/15

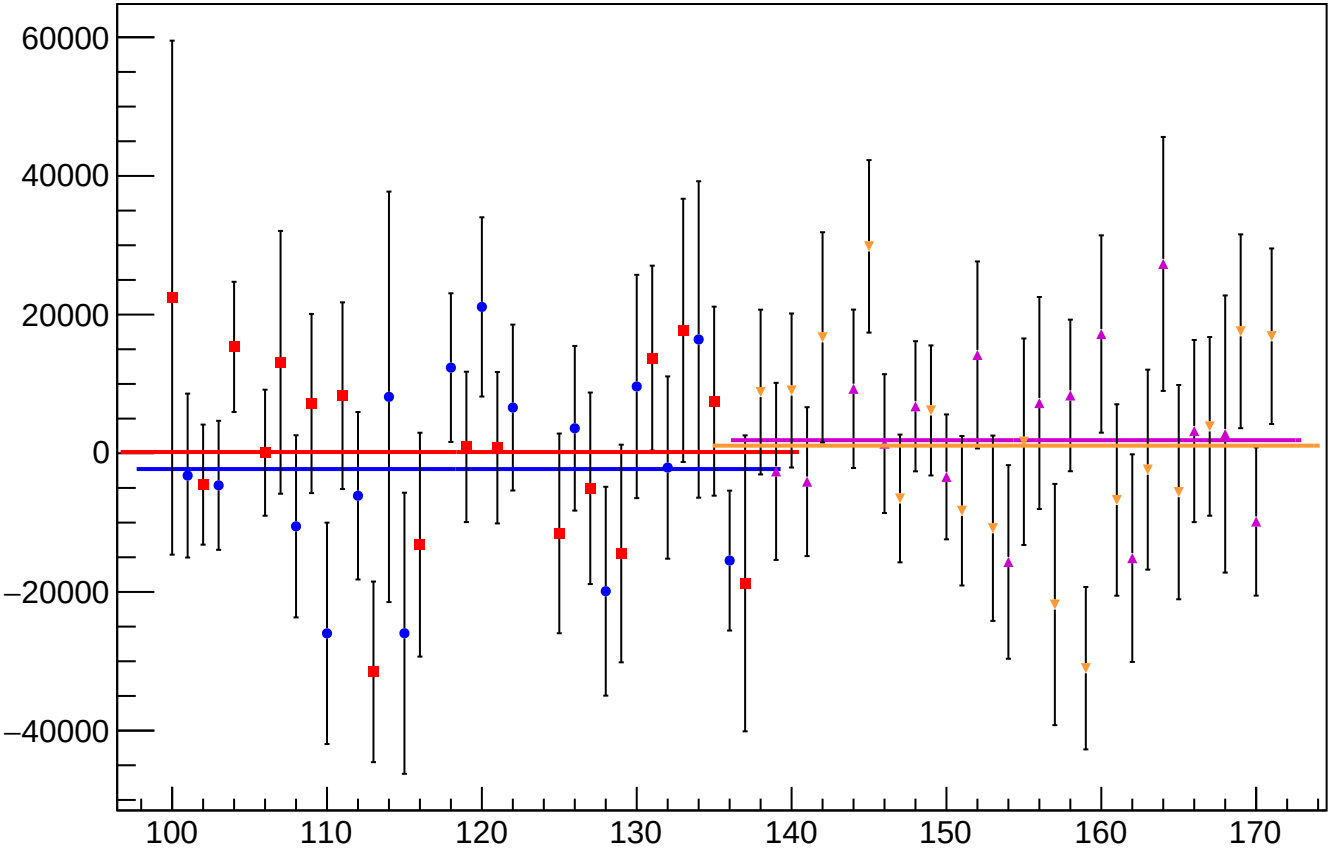
Left: 2372.807+/-0.325 χ^2/NDF: 112040.9/32

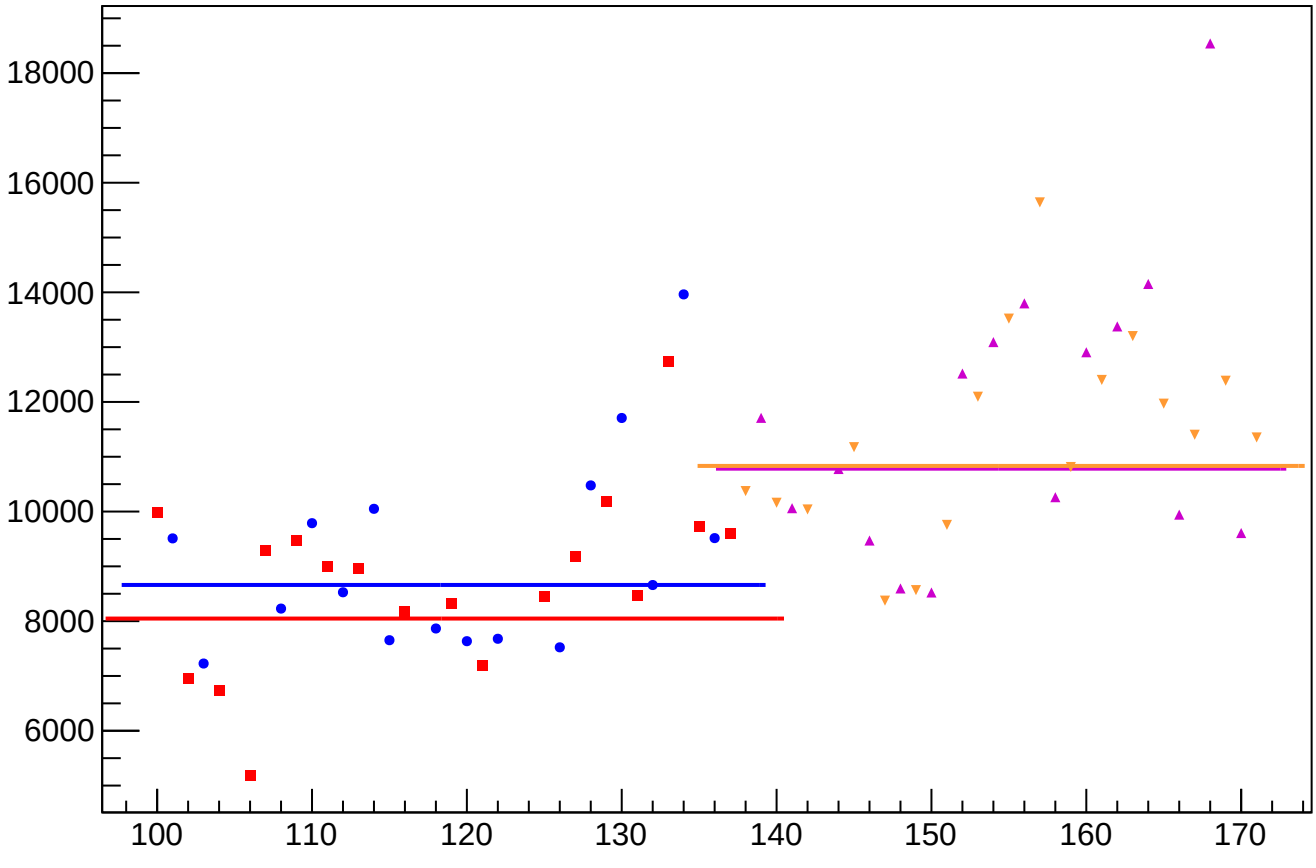
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2318.503+/-0.364 χ^2/NDF:270469.6/31

Out: 2314.151+/-0.362 χ^2/NDF:276060.9/34

All: 2316.318+/-0.257 χ^2/NDF: 546602.3/66


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -2278.440+/-3271.750 χ²/NDF: 14.5/15
Left Out: 1099.022+/-3013.969 χ²/NDF:22.7/16
Right Out: 177.024+/-3035.355 χ²/NDF: 15.6/17
Left In: 1886.437+/-3031.419 χ²/NDF:10.0/15
Left: 1490.456+/-2137.341 χ²/NDF: 32.7/32
Right: -958.805+/-2225.203 χ²/NDF: 30.4/33
In: -37.432+/-2223.651 χ²/NDF:25.3/31
Out: 641.283+/-2138.719 χ²/NDF:38.4/34
All: 315.135+/-1541.454 χ²/NDF: 63.7/66



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: 10782.537+/-2.144 χ^2/NDF:964437.0/15

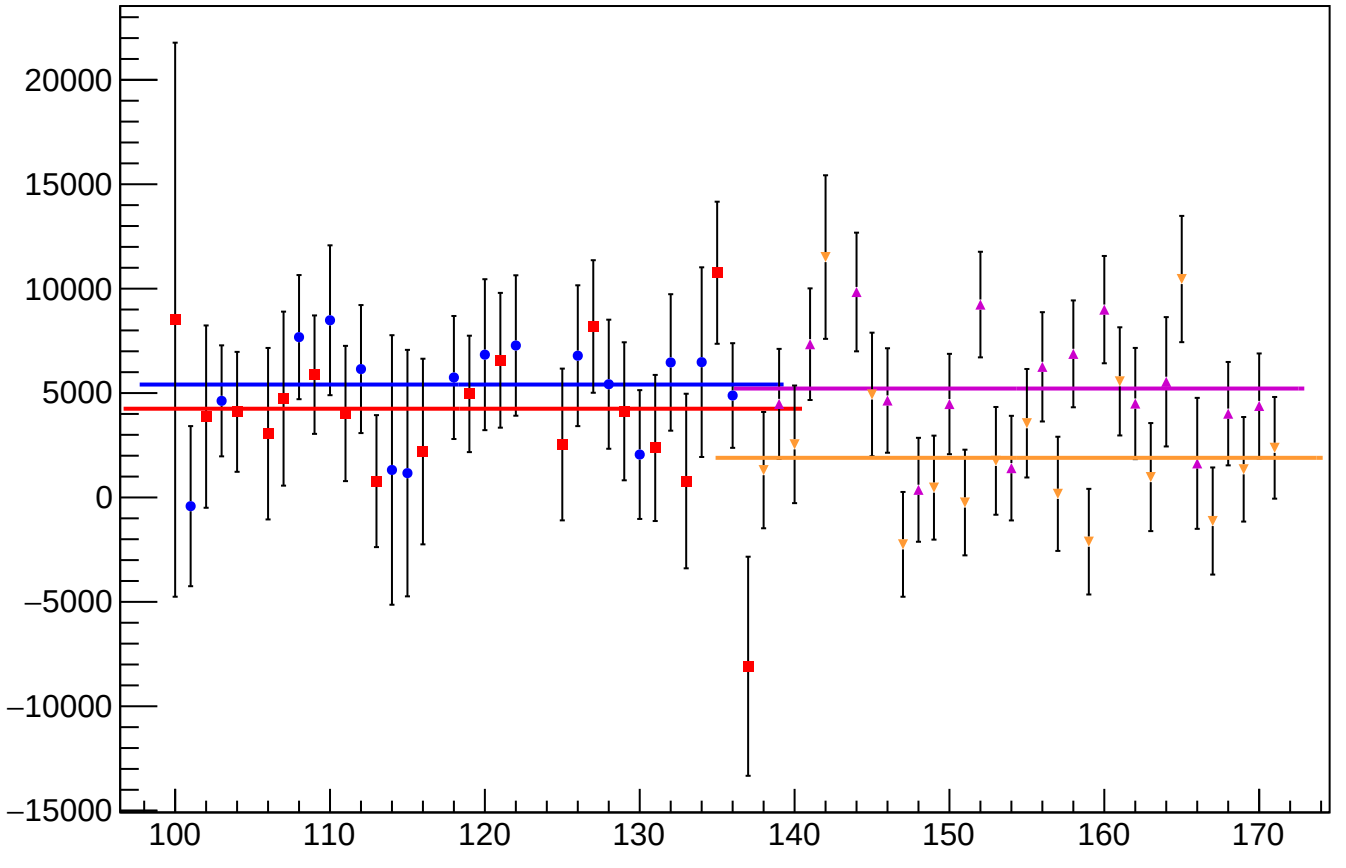
Left: 10807.729+/-1.511 χ^2/NDF: 1619521.9/32

Right: 8331.143+/-1.573 χ^2/NDF: 954287.2/33

In: 9802.418+/-1.572 χ^2/NDF:1775006.5/31

Out: 9449.892+/-1.512 χ^2/NDF:2061270.3/34

All: 9619.295+/-1.090 χ^2/NDF: 3862388.4/66



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: 5216.514+/-654.248 χ^2/NDF:16.6/15

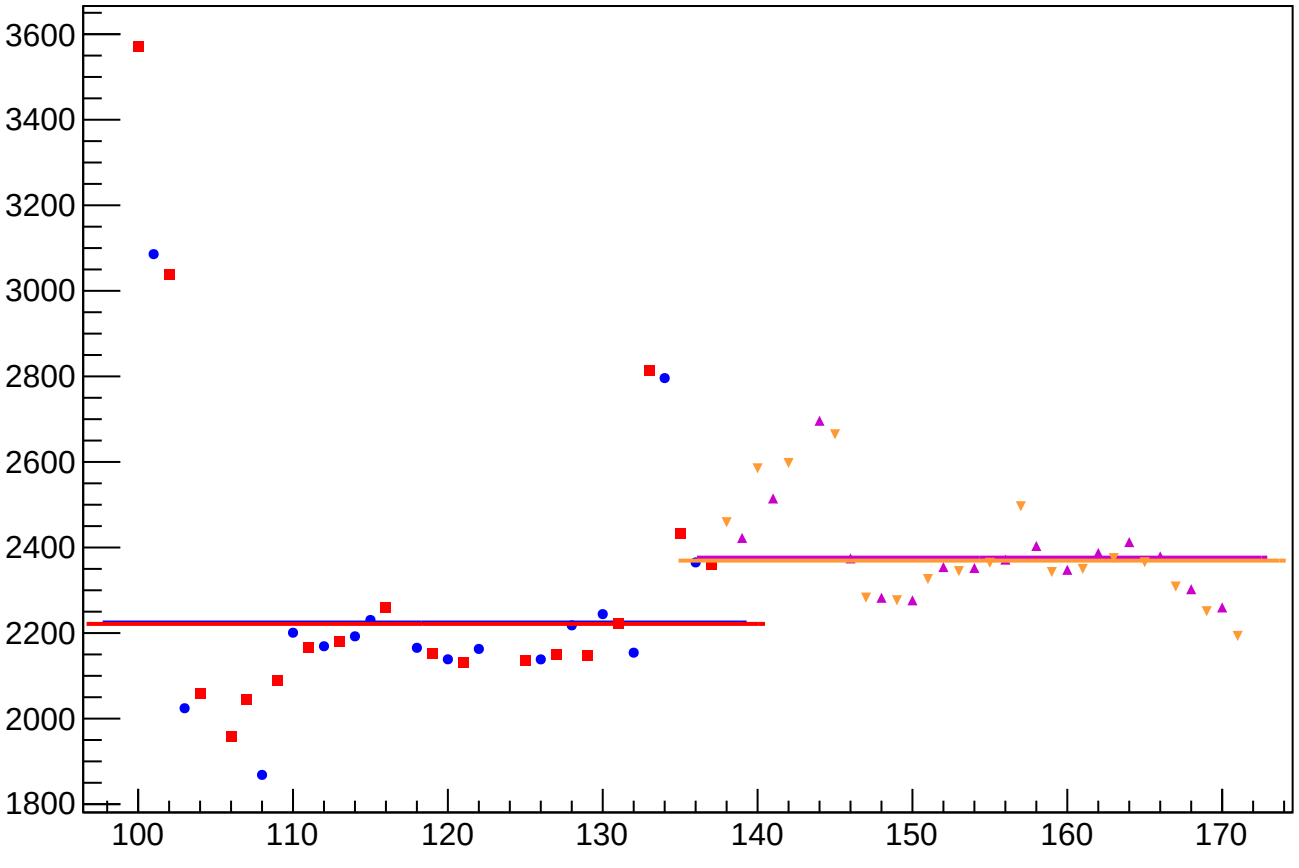
Left: 3539.524+/-460.137 χ^2/NDF: 55.5/32

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5289.446+/-514.685 χ^2/NDF:23.4/31

Out: 2775.150+/-512.562 χ^2/NDF:45.3/34

All: 4027.101+/-363.184 χ^2/NDF: 80.6/66



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: 2376.328+/-0.463 χ^2/NDF:44802.5/15

Left: 2372.810+/-0.325 χ^2/NDF: 112043.5/32

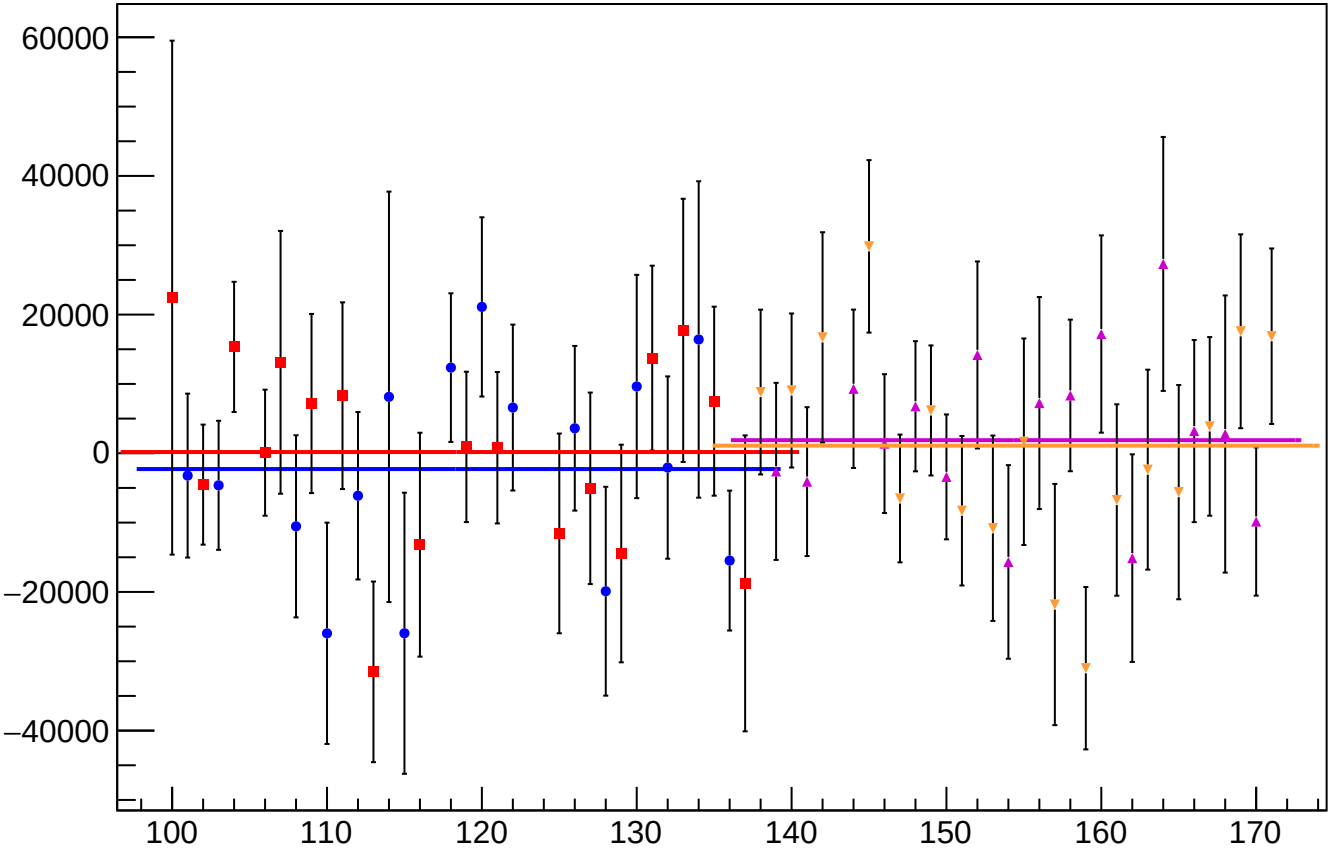
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2318.505+/-0.364 χ^2/NDF:270472.5/31

Out: 2314.153+/-0.362 χ^2/NDF:276064.8/34

All: 2316.319+/-0.257 χ^2/NDF: 546609.1/66

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: 1886.435+/-3031.423 χ^2/NDF:10.0/15

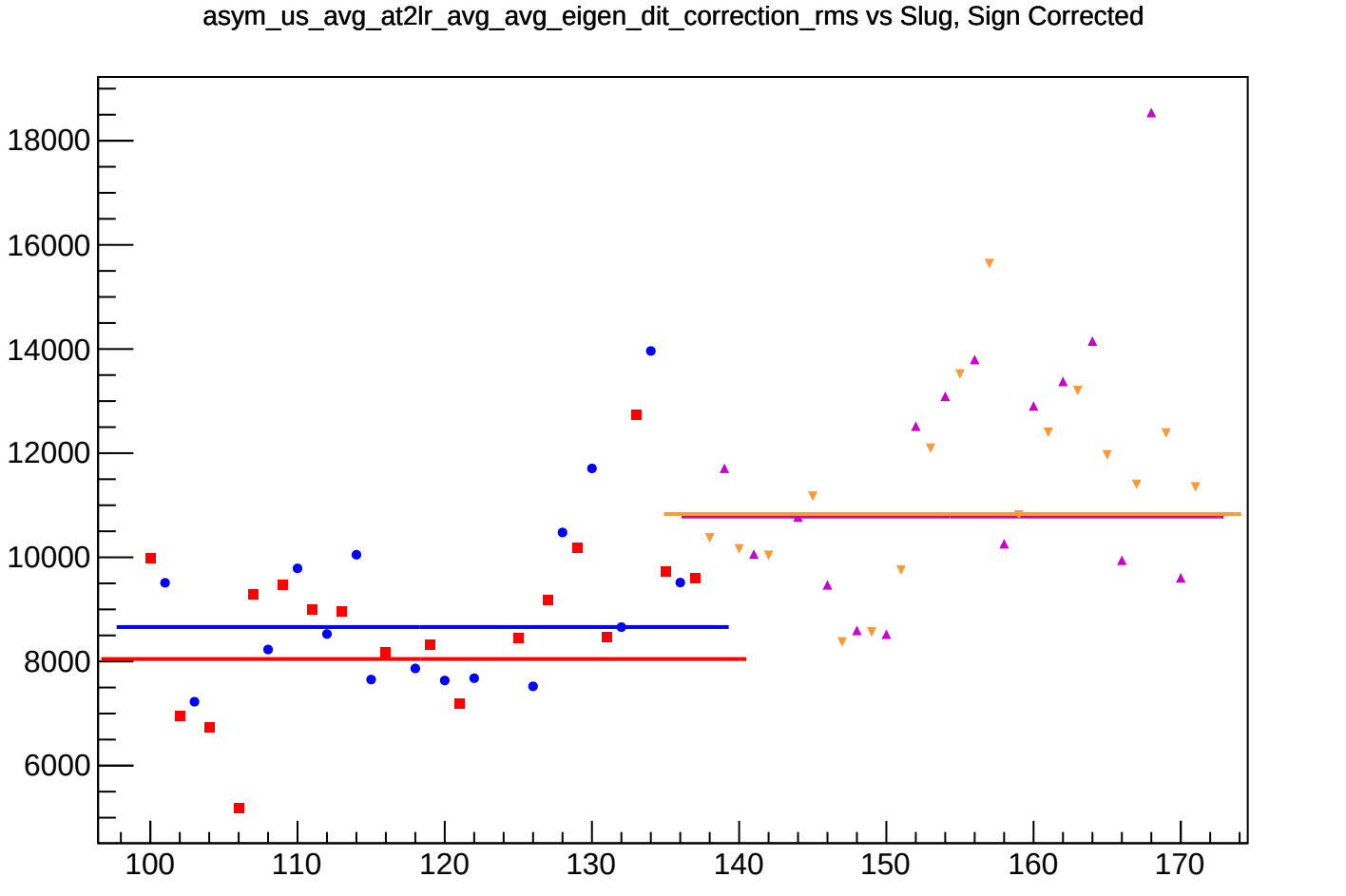
Left: 1490.452+/-2137.344 χ^2/NDF: 32.7/32

Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -37.430+/-2223.650 χ^2/NDF:25.3/31

Out: 641.280+/-2138.718 χ^2/NDF:38.4/34

All: 315.134+/-1541.453 χ^2/NDF: 63.7/66



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: 10782.552+/-2.144 χ^2/NDF:964439.1/15

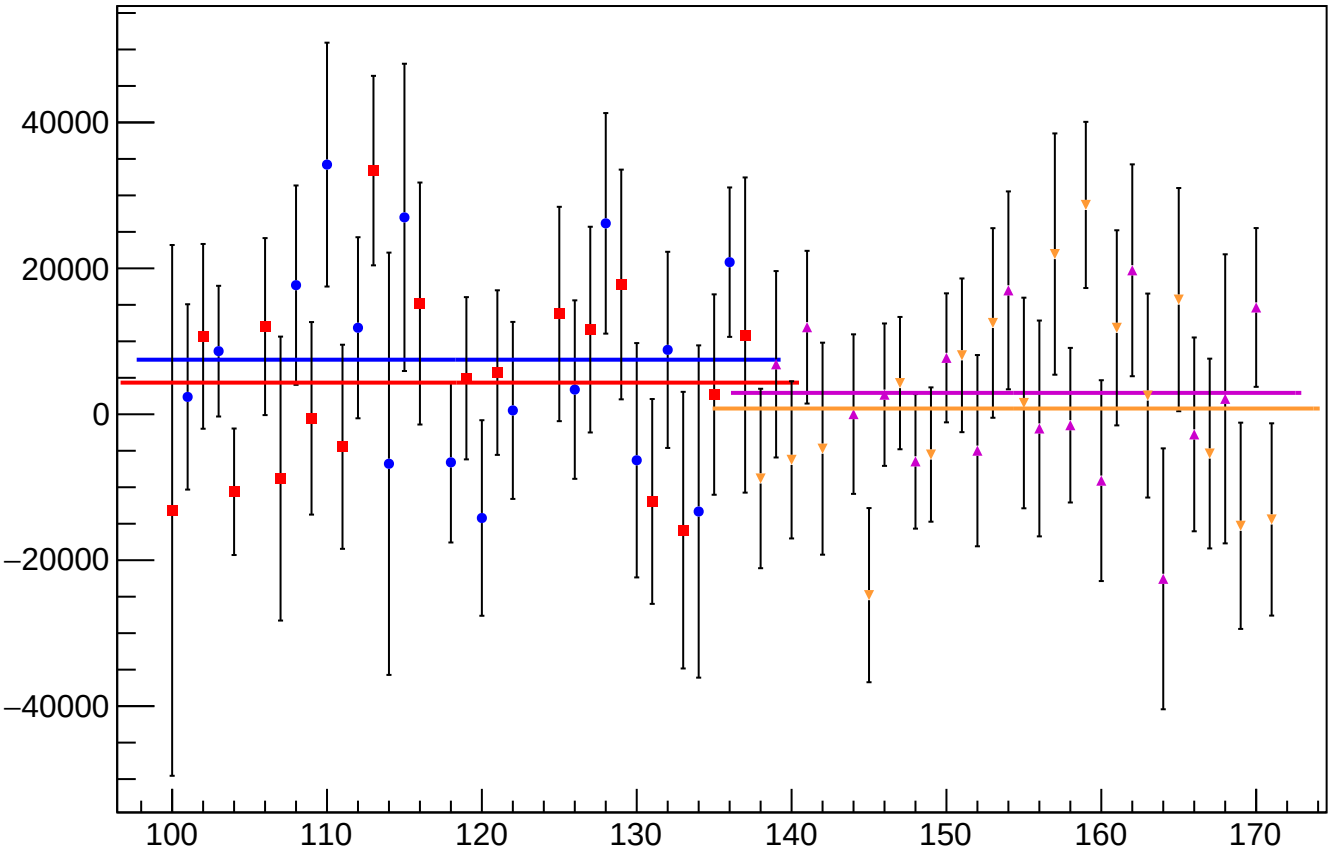
Left: 10807.744+/-1.511 χ^2/NDF: 1619526.0/32

Right: 8331.123+/-1.573 χ^2/NDF: 954287.4/33

In: 9802.413+/-1.572 χ^2/NDF:1775026.8/31

Out: 9449.886+/-1.512 χ^2/NDF:2061291.9/34

All: 9619.289+/-1.090 χ^2/NDF: 3862430.3/66



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: 2933.377+/-2971.920 χ^2/NDF:9.4/15

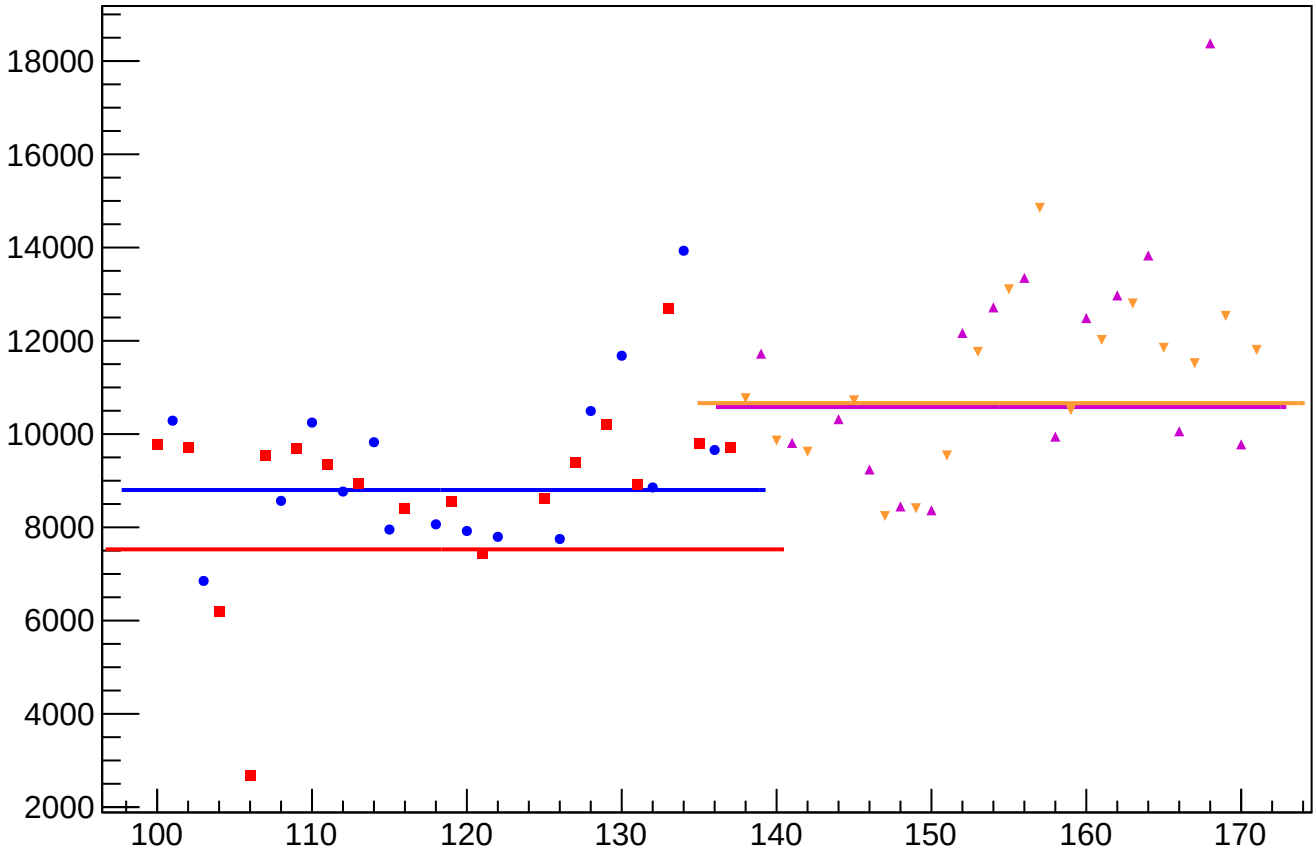
Left: 1859.056+/-2099.172 χ^2/NDF: 29.5/32

Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 4949.345+/-2217.565 χ^2/NDF:24.5/31

Out: 2405.660+/-2188.328 χ^2/NDF:34.8/34

All: 3660.623+/-1557.615 χ^2/NDF: 60.0/66



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: 10580.145+/-2.101 χ^2/NDF:937161.3/15

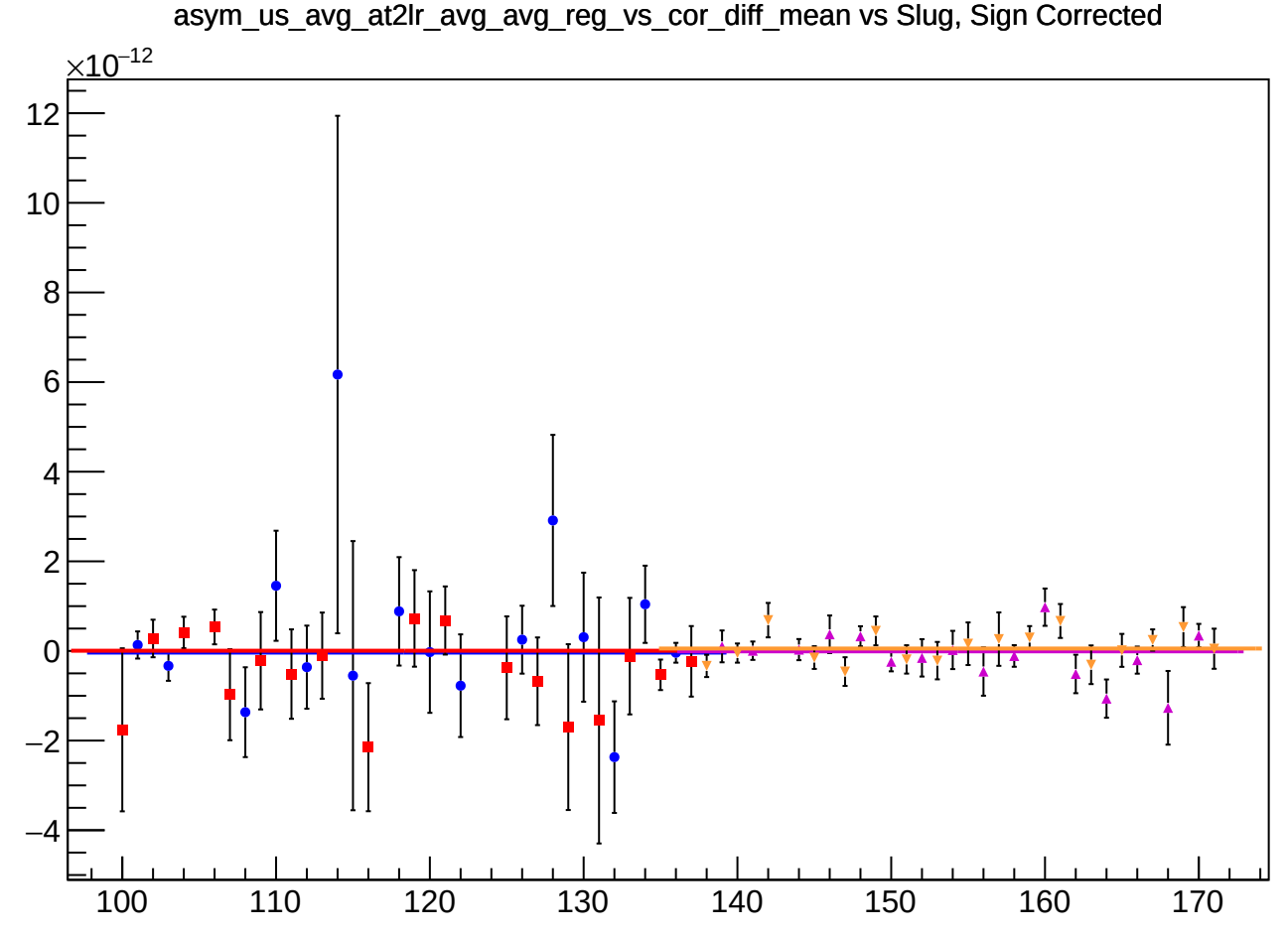
Left: 10621.994+/-1.484 χ^2/NDF: 1583002.4/32

Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9791.604+/-1.568 χ^2/NDF:1649404.3/31

Out: 9119.062+/-1.494 χ^2/NDF:3403944.8/34

All: 9439.014+/-1.082 χ^2/NDF: 5149792.0/66



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:23.1/15

Left: 0.000+/-0.000 χ^2/NDF: 40.7/32

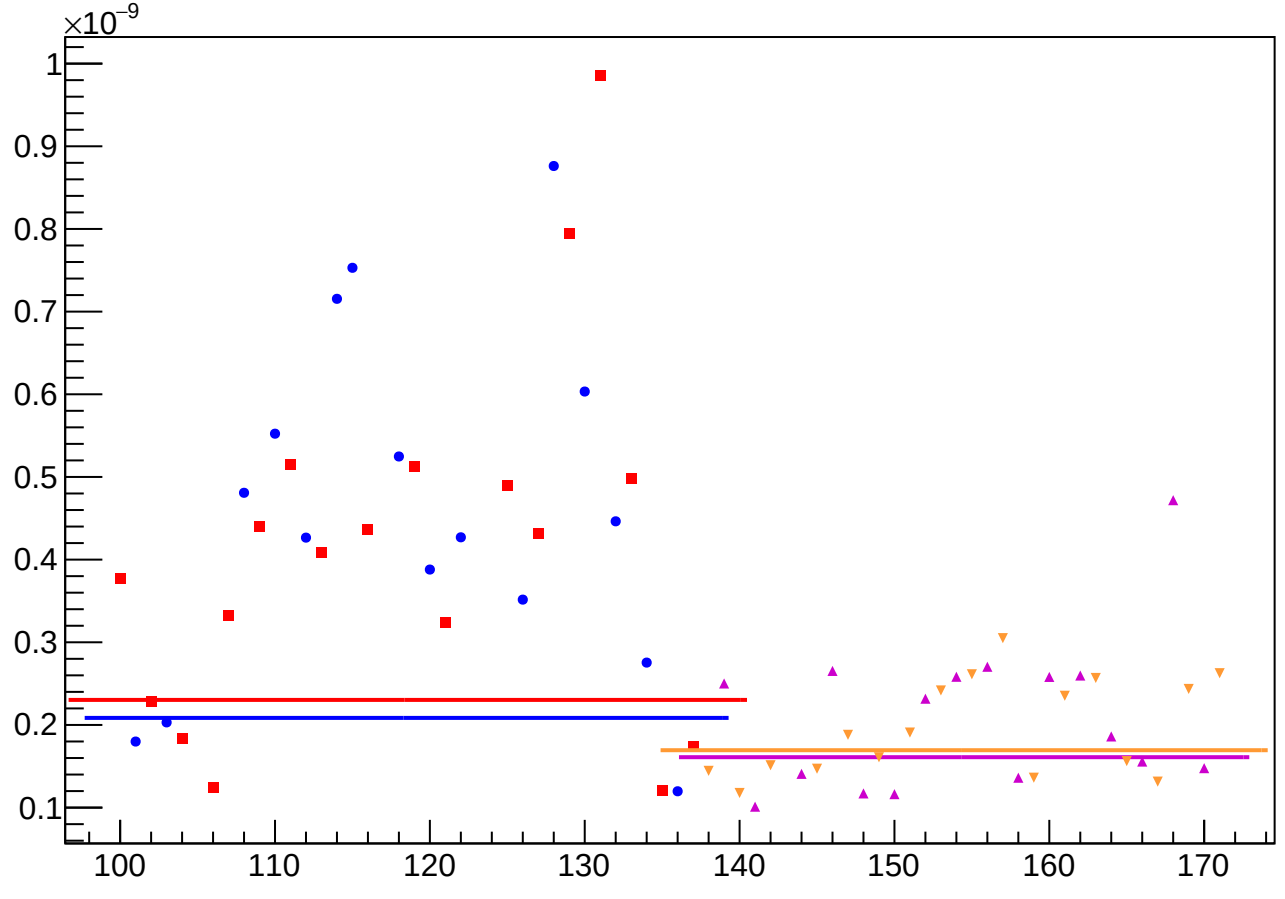
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:37.4/31

Out: 0.000+/-0.000 χ^2/NDF:31.1/34

All: 0.000+/-0.000 χ^2/NDF: 68.9/66

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:1376835.6/15

Left: 0.000+/-0.000 χ^2/NDF: 2173399.4/32

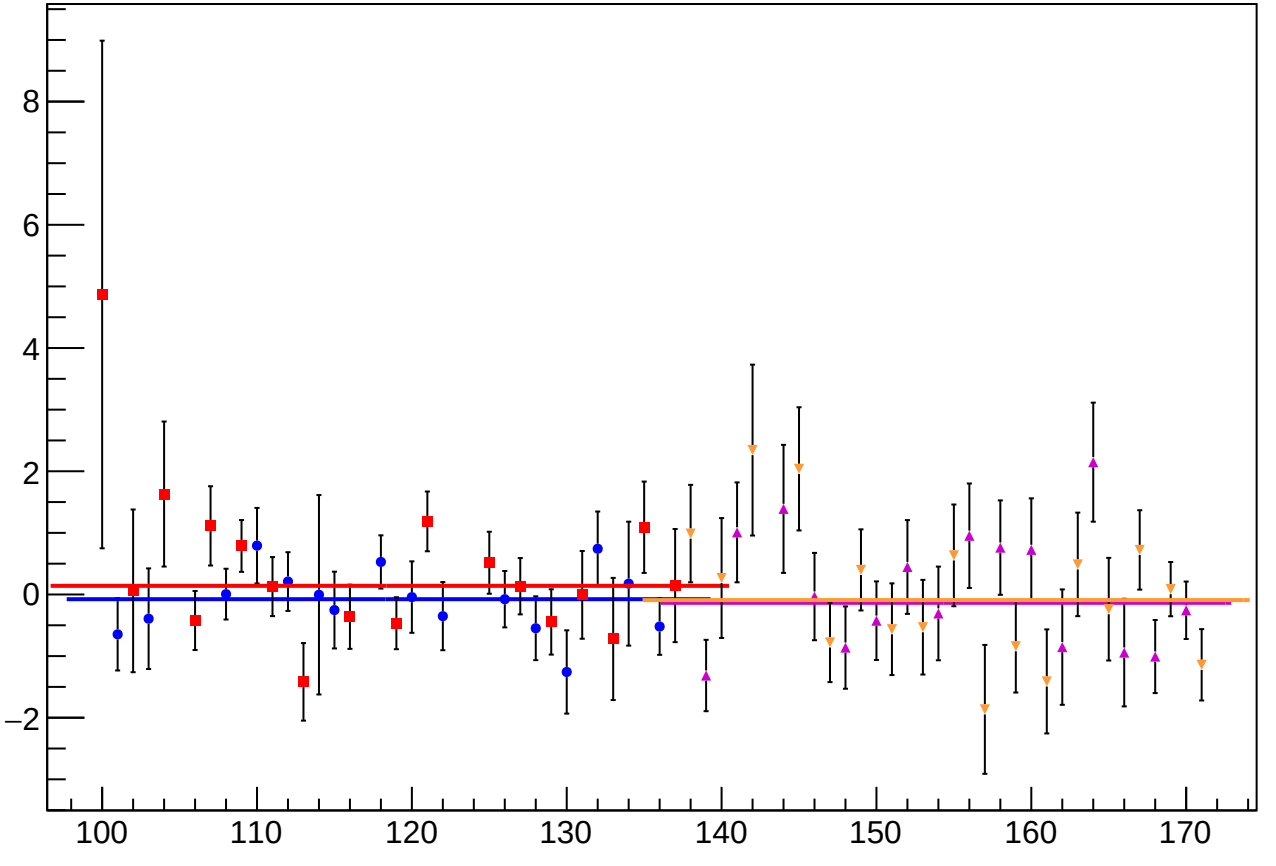
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:3183756.8/31

Out: 0.000+/-0.000 χ^2/NDF:2588583.5/34

All: 0.000+/-0.000 χ^2/NDF: 5793121.5/66

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: -0.135+/-0.179 χ^2/NDF:23.7/15

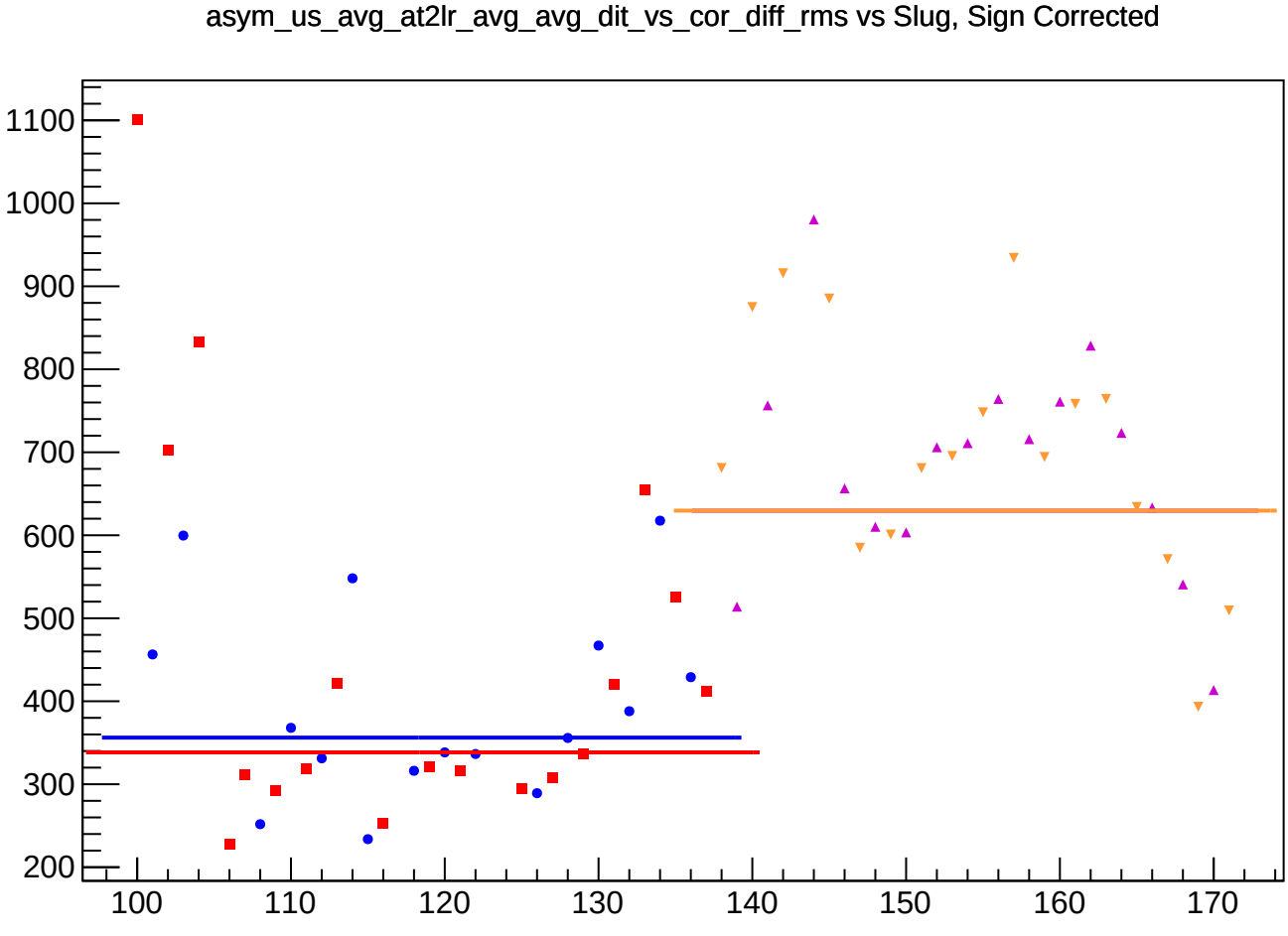
Left: -0.113+/-0.127 χ^2/NDF: 48.4/32

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.054+/-0.109 χ^2/NDF:52.7/34

All: -0.022+/-0.078 χ^2/NDF: 89.9/66



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: 629.592+/-0.127 χ^2/NDF:1117129.3/15

Left: 629.641+/-0.089 χ^2/NDF: 2508510.8/32

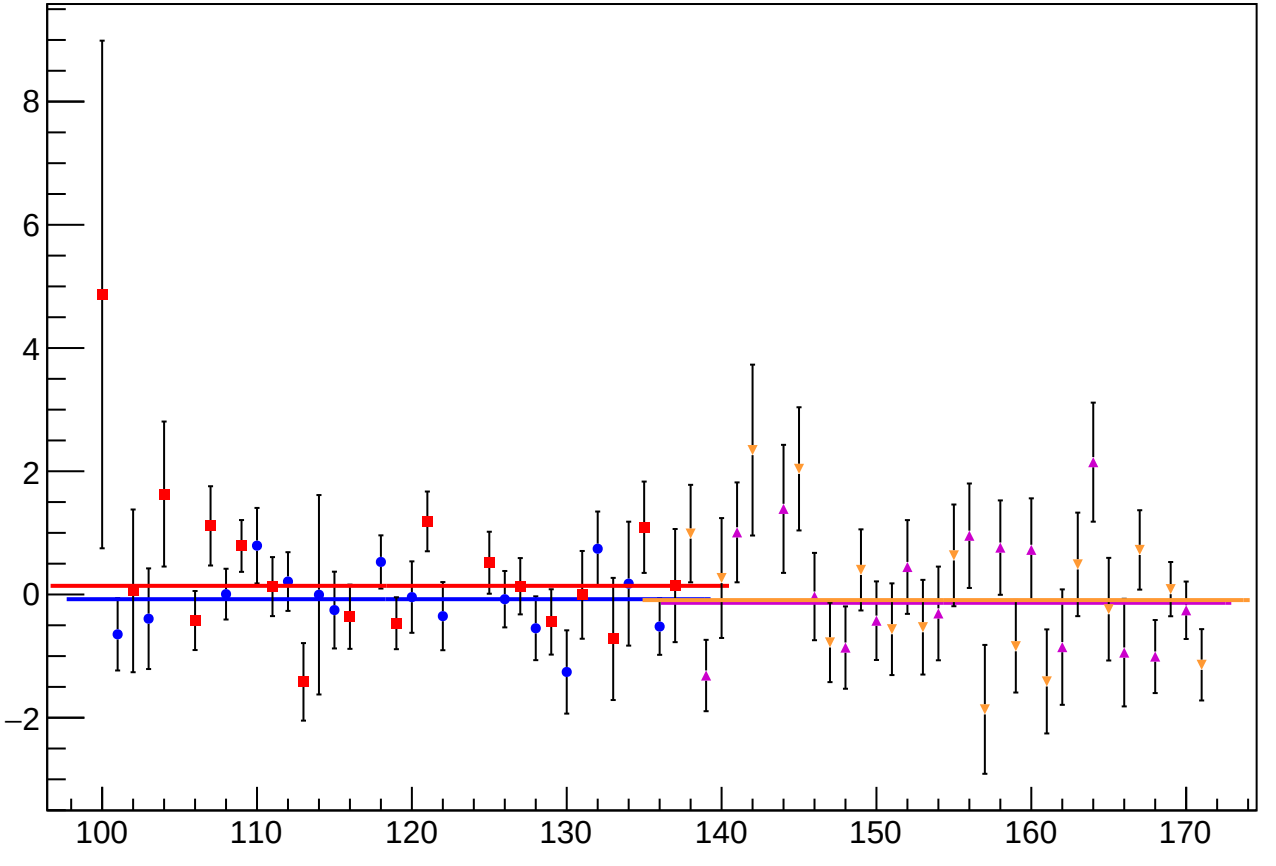
Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 459.586+/-0.078 χ^2/NDF:4790885.9/31

Out: 447.284+/-0.077 χ^2/NDF:5926501.7/34

All: 453.371+/-0.055 χ^2/NDF: 10729950.4/66

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: -0.135+/-0.179 χ^2/NDF:23.7/15

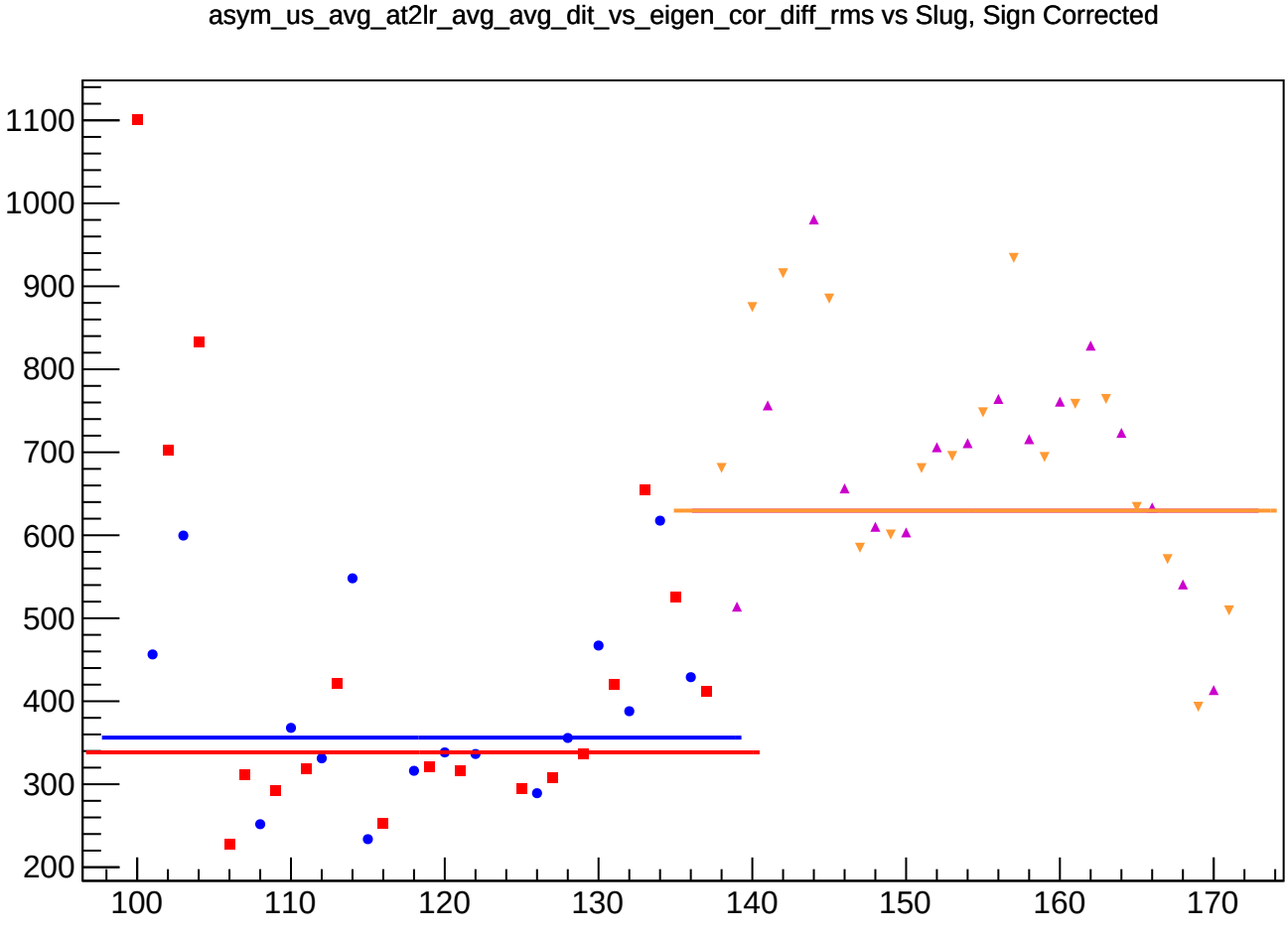
Left: -0.113+/-0.127 χ^2/NDF: 48.4/32

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.054+/-0.109 χ^2/NDF:52.7/34

All: -0.022+/-0.078 χ^2/NDF: 89.9/66



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: 629.592+/-0.127 χ^2/NDF:1117129.3/15

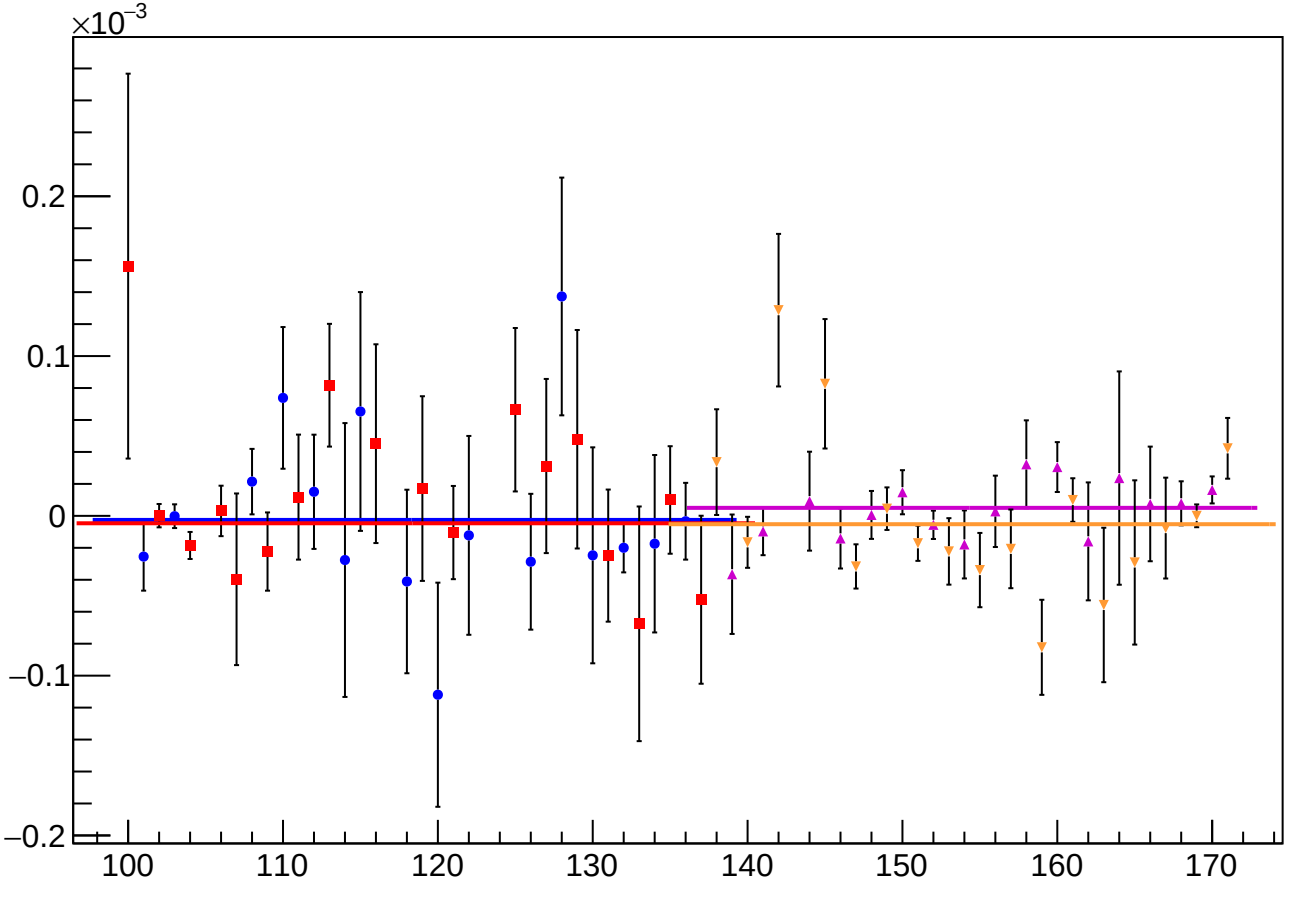
Left: 629.641+/-0.089 χ^2/NDF: 2508510.8/32

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 459.586+/-0.078 χ^2/NDF:4790885.9/31

Out: 447.284+/-0.077 χ^2/NDF:5926501.7/34

All: 453.371+/-0.055 χ^2/NDF: 10729950.4/66



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:12.3/15

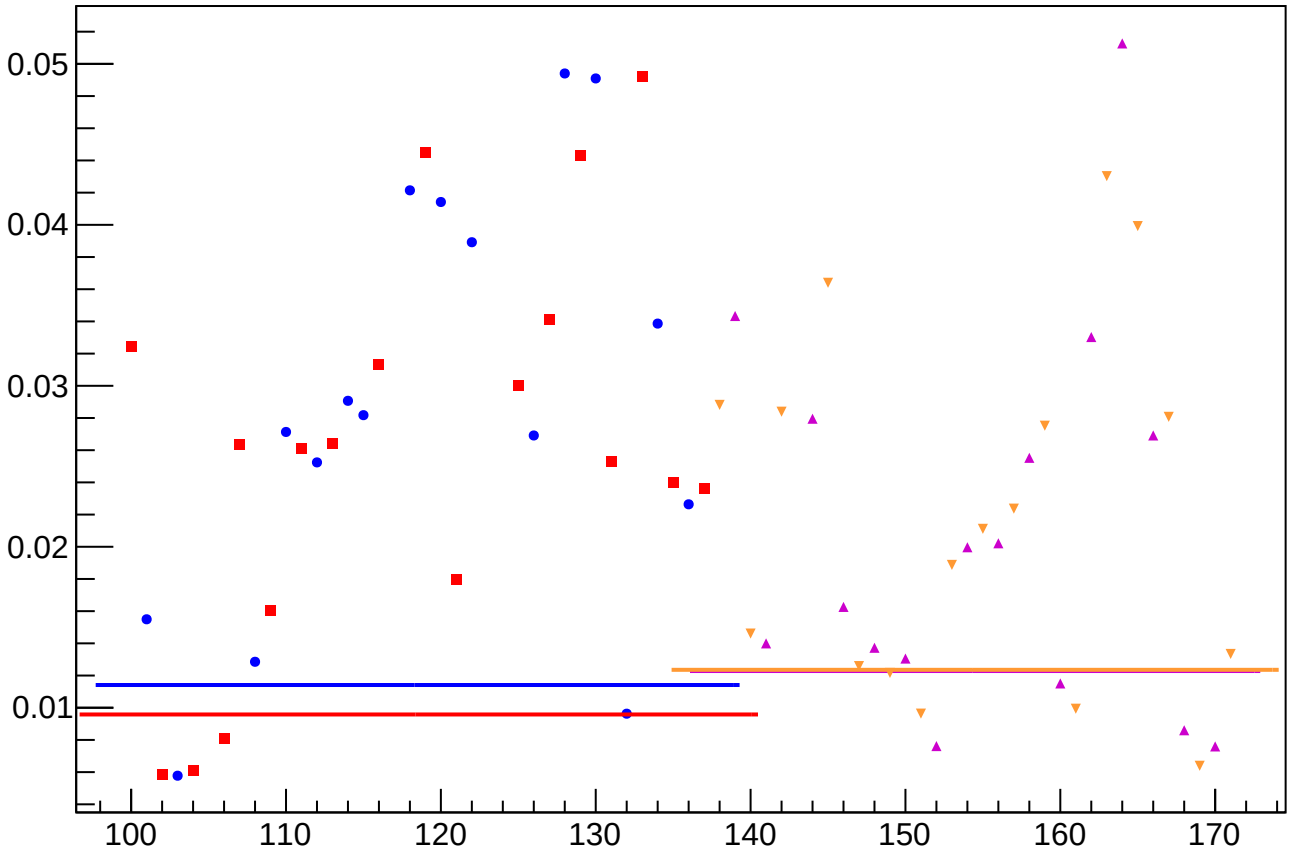
Left: -0.000+/-0.000 χ^2/NDF: 54.0/32

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:28.6/31

Out: -0.000+/-0.000 χ^2/NDF:55.5/34

All: -0.000+/-0.000 χ^2/NDF: 86.8/66



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: 0.012+/-0.000 χ^2/NDF:5289680.4/15

Left: 0.012+/-0.000 χ^2/NDF: 11552466.1/32

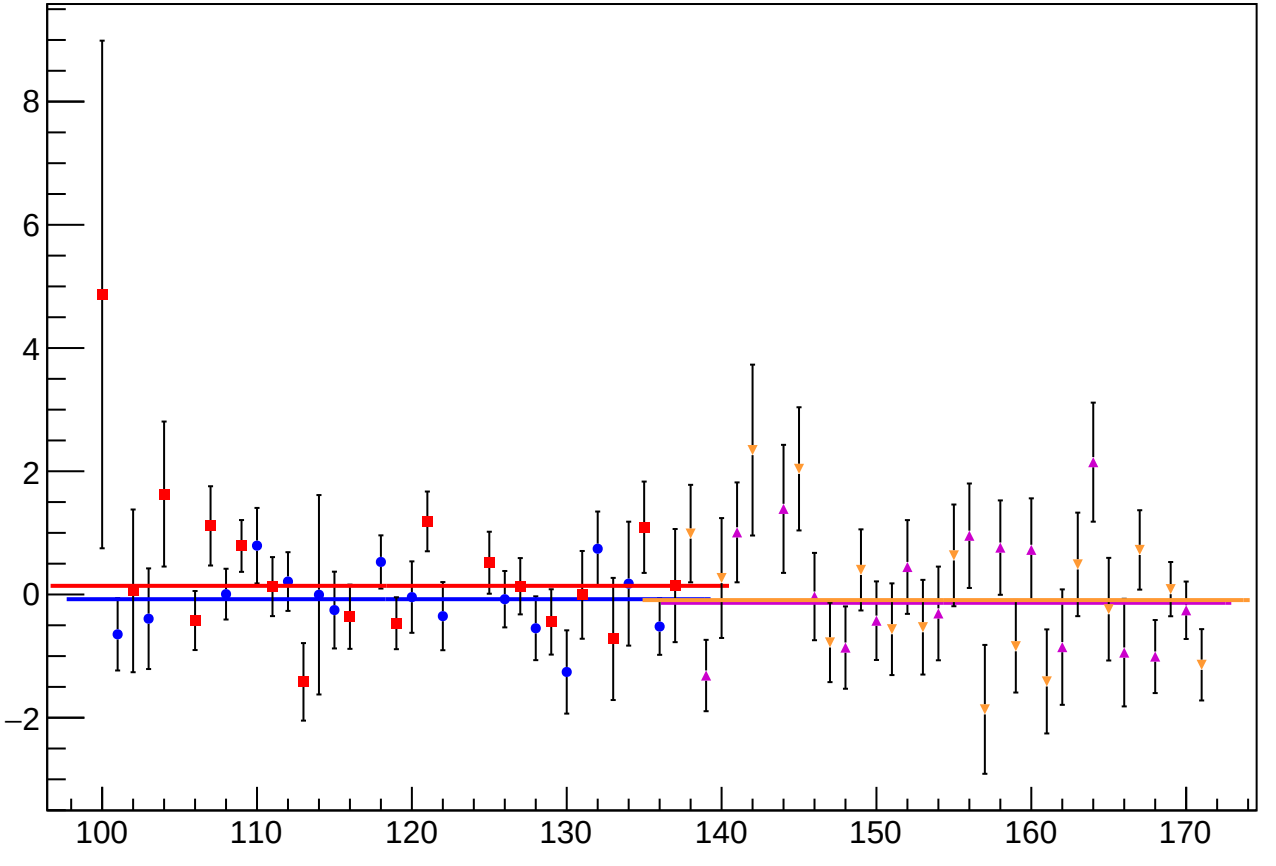
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:10822392.6/31

Out: 0.011+/-0.000 χ^2/NDF:12449355.8/34

All: 0.012+/-0.000 χ^2/NDF: 23335258.8/66

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: -0.135+/-0.179 χ^2/NDF:23.7/15

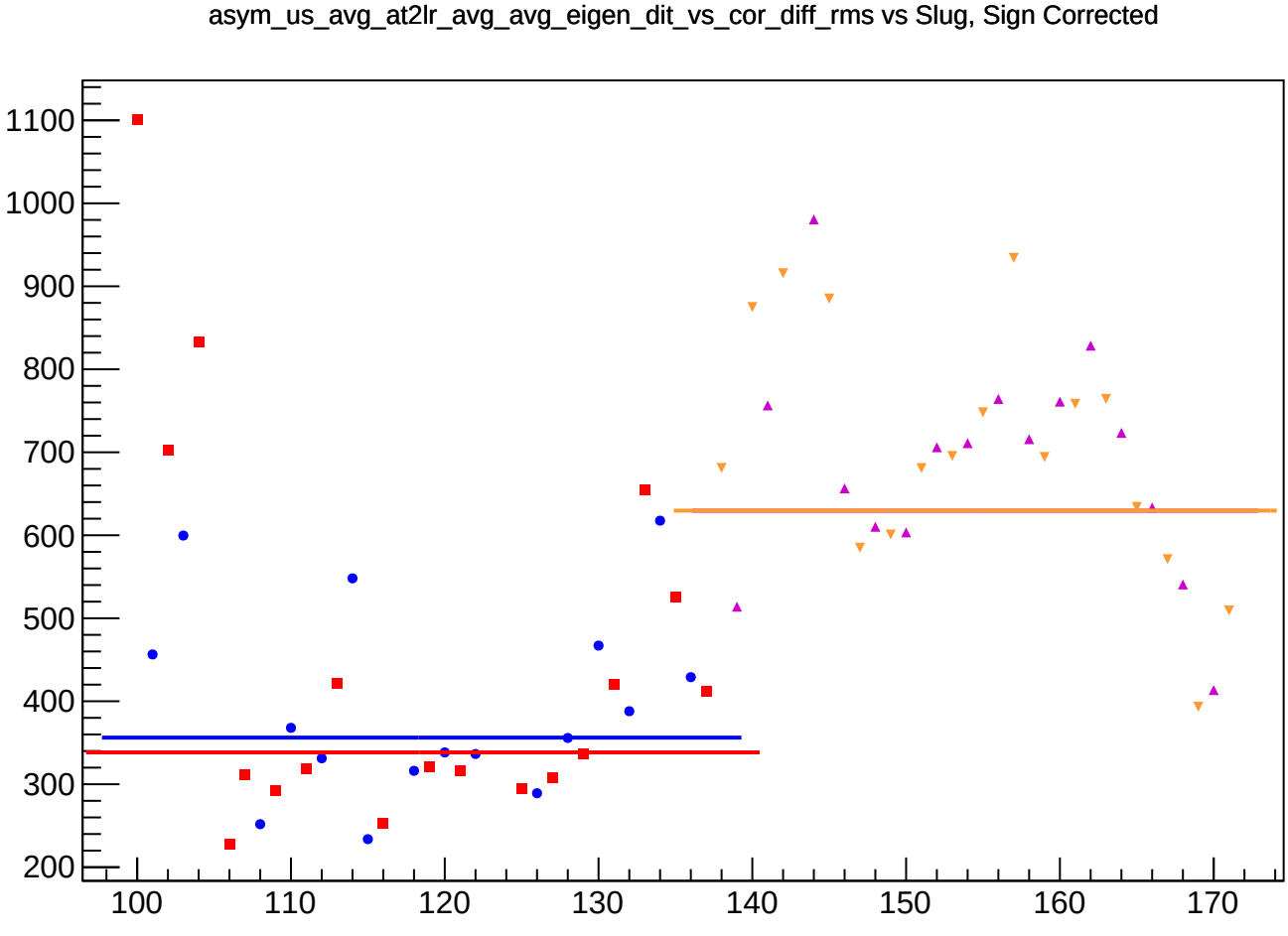
Left: -0.113+/-0.127 χ^2/NDF: 48.4/32

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.054+/-0.109 χ^2/NDF:52.7/34

All: -0.022+/-0.078 χ^2/NDF: 89.9/66



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: 629.601+/-0.127 χ^2/NDF:1117160.8/15

Left: 629.647+/-0.089 χ^2/NDF: 2508654.6/32

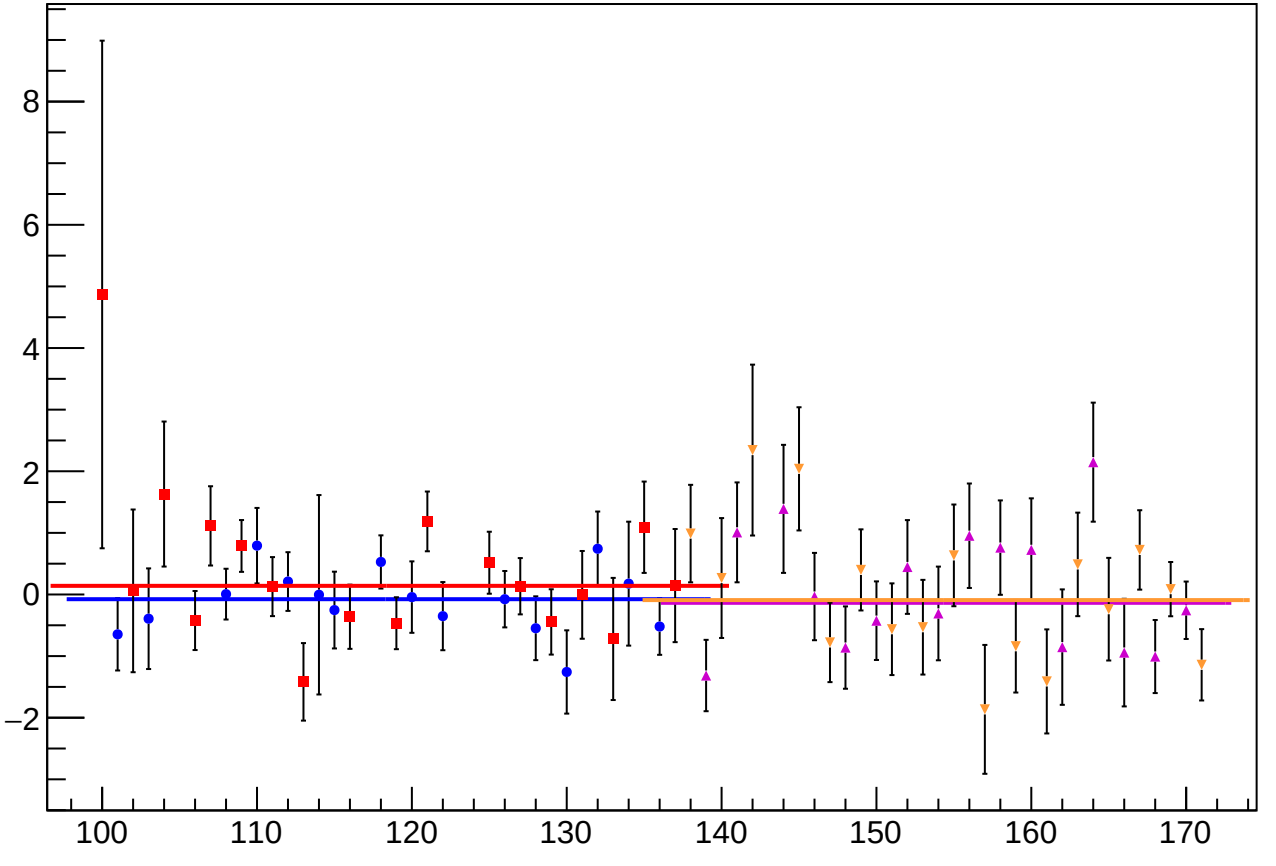
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 459.585+/-0.078 χ^2/NDF:4791054.4/31

Out: 447.282+/-0.077 χ^2/NDF:5926707.2/34

All: 453.370+/-0.055 χ^2/NDF: 10730328.1/66

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: -0.135+/-0.179 χ^2/NDF:23.7/15

Left: -0.113+/-0.127 χ^2/NDF: 48.4/32

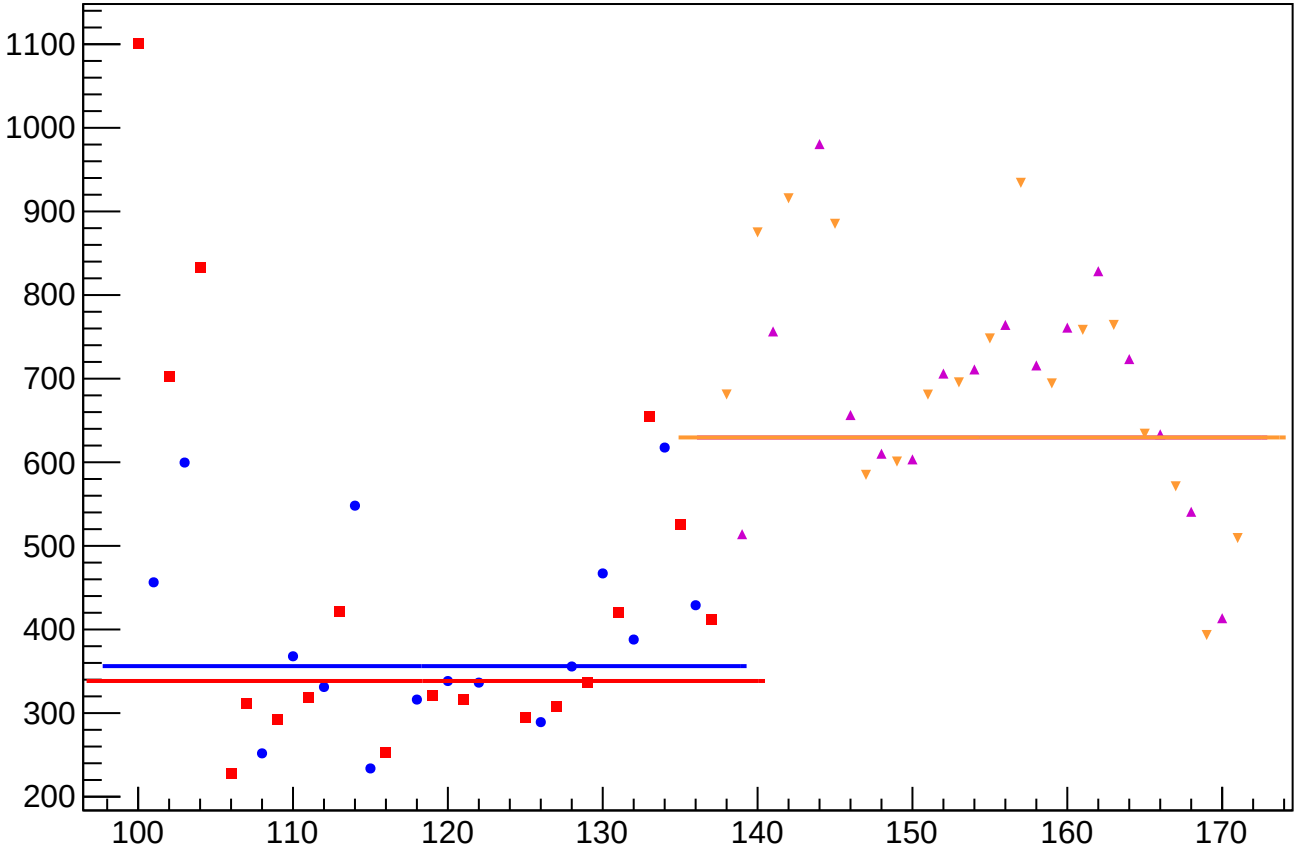
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.099+/-0.110 χ^2/NDF:36.3/31

Out: 0.054+/-0.109 χ^2/NDF:52.7/34

All: -0.022+/-0.078 χ^2/NDF: 89.9/66

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: 629.601+/-0.127 χ^2/NDF:1117160.8/15

Left: 629.647+/-0.089 χ^2/NDF: 2508654.6/32

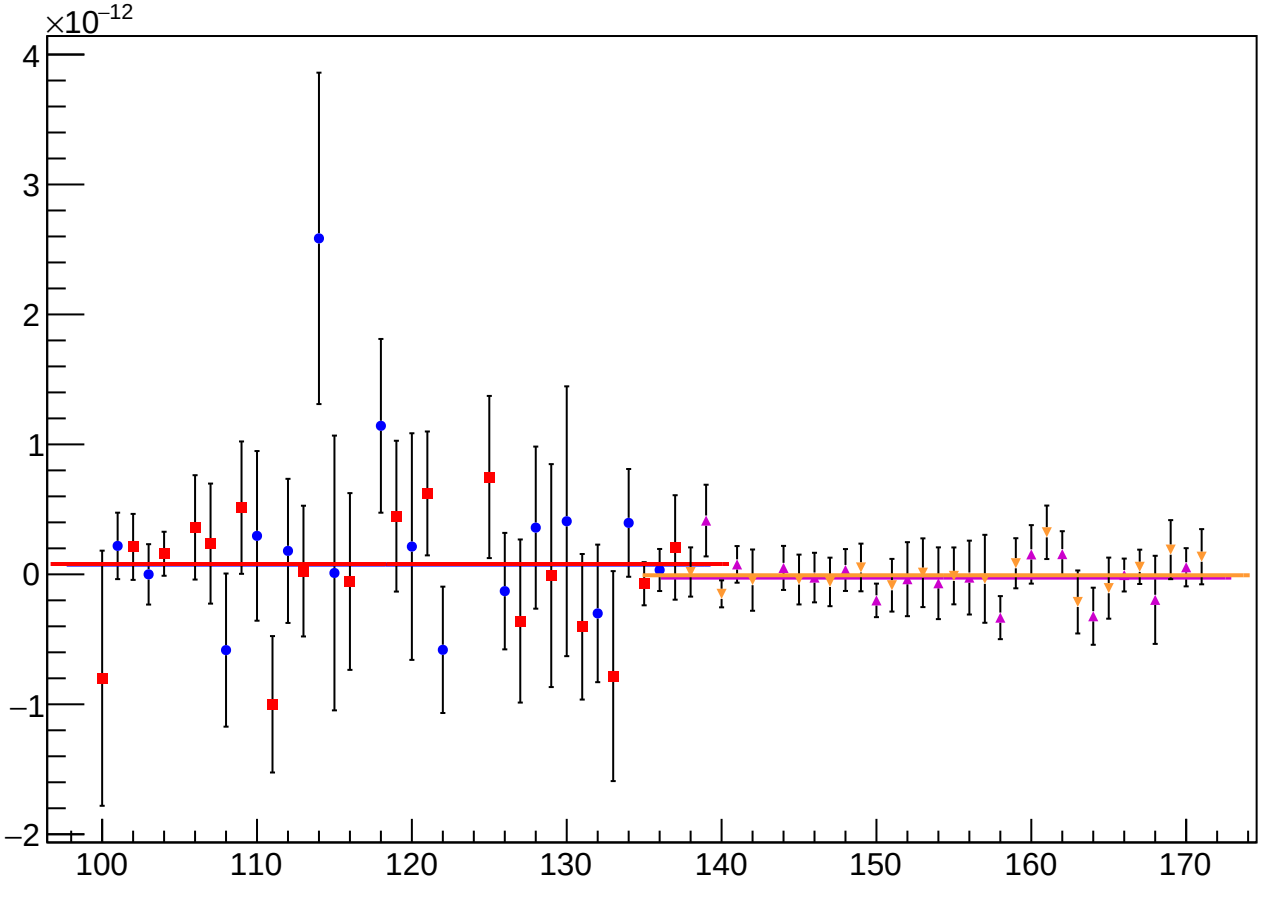
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 459.585+/-0.078 χ^2/NDF:4791054.4/31

Out: 447.282+/-0.077 χ^2/NDF:5926707.2/34

All: 453.370+/-0.055 χ^2/NDF: 10730328.1/66

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:7.5/16

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

Left In: -0.000+/-0.000 χ^2/NDF:12.8/15

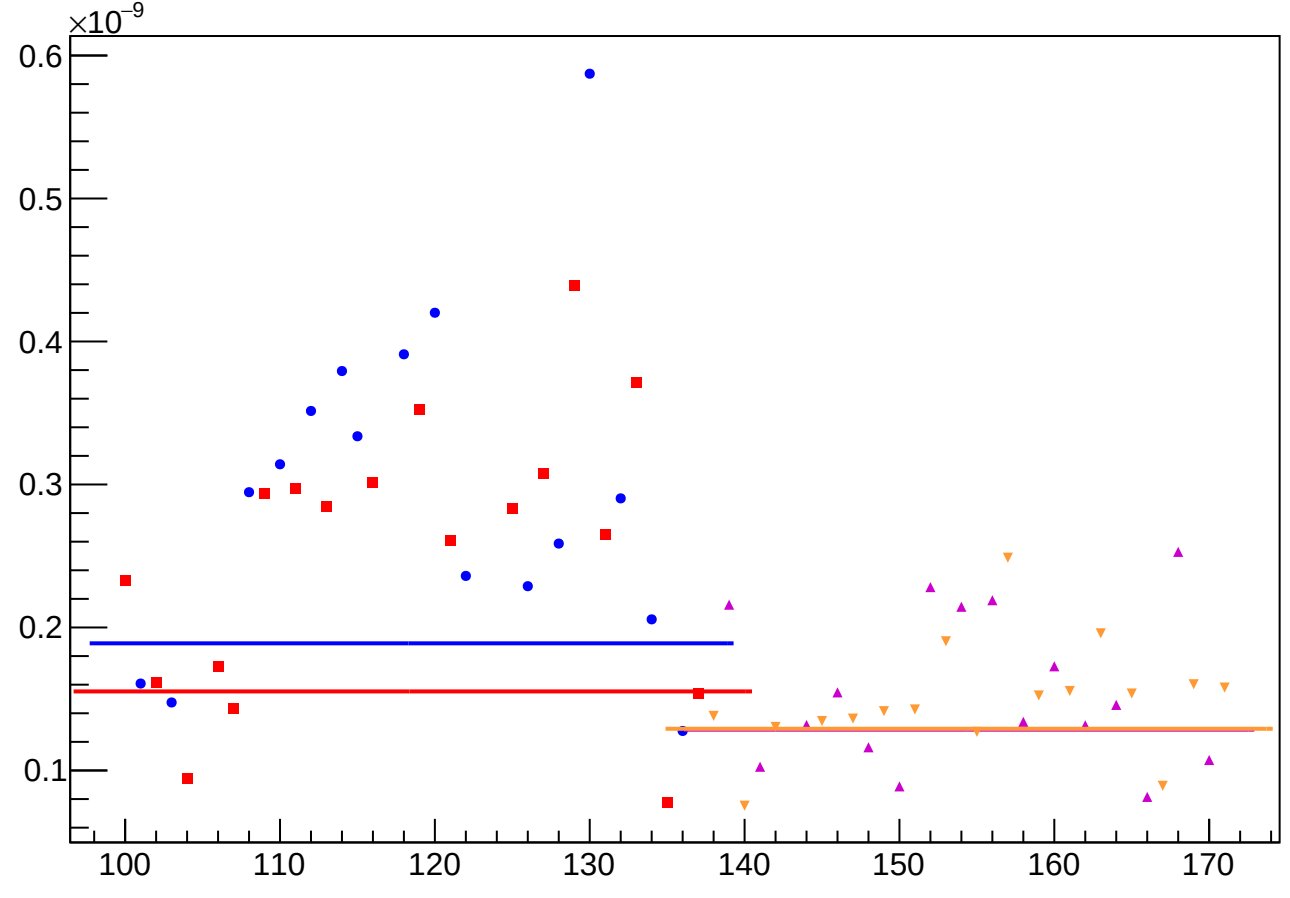
Left: -0.000+/-0.000 χ^2/NDF: 20.3/32

Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: 0.000+/-0.000 χ^2/NDF:21.3/34

All: 0.000+/-0.000 χ^2/NDF: 46.9/66



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:1828903.8/15

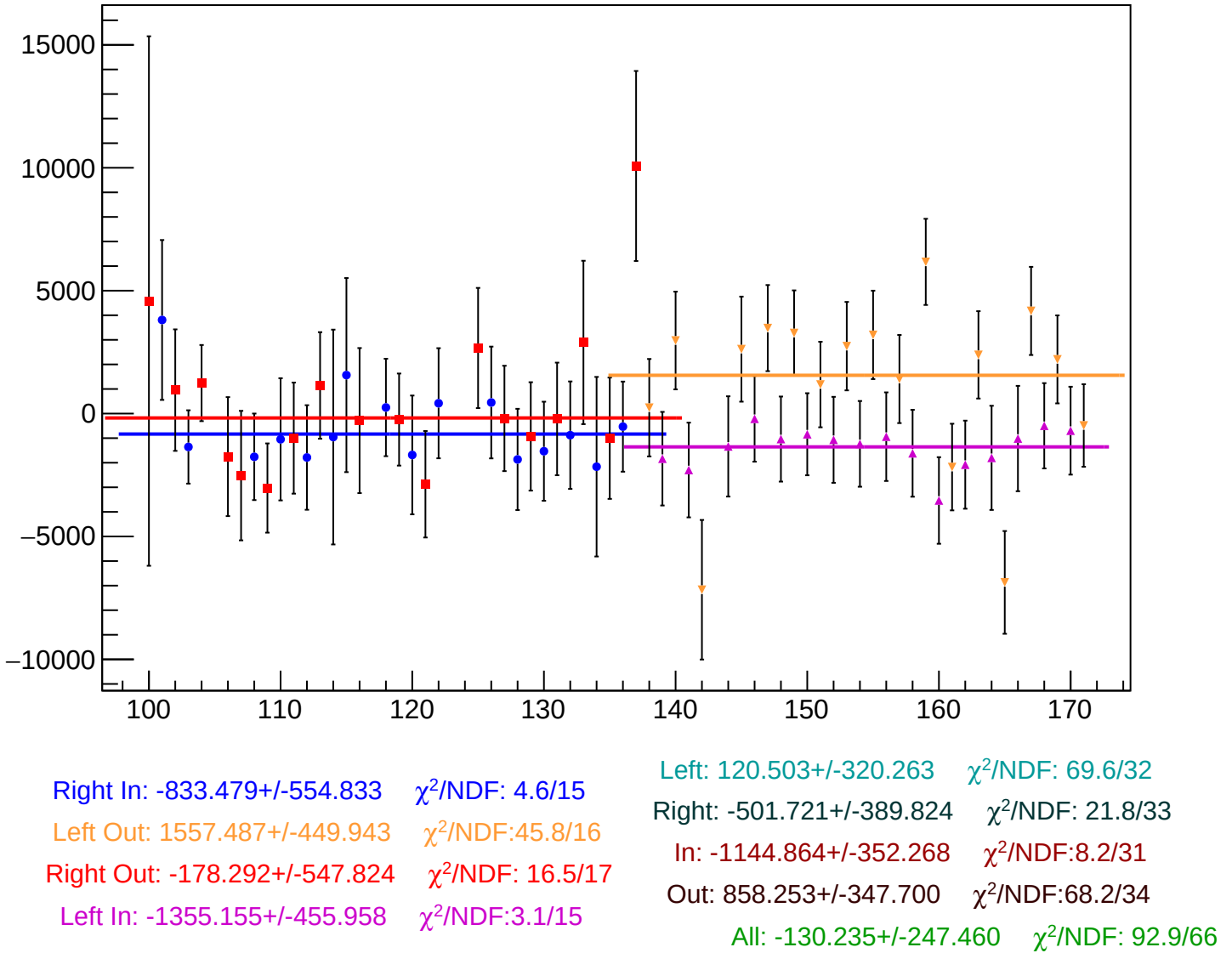
Left: 0.000+/-0.000 χ^2/NDF: 3242083.5/32

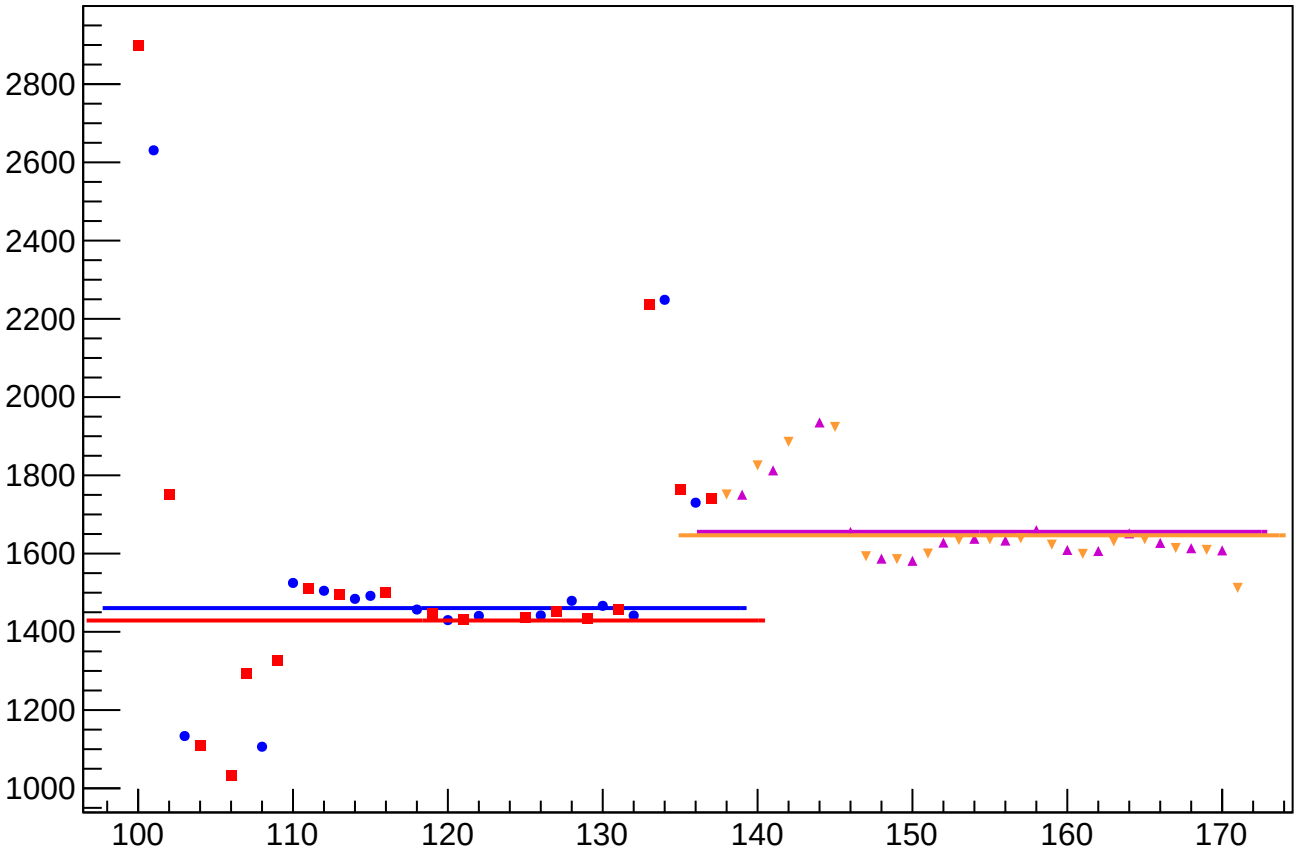
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:3993100.3/31

Out: 0.000+/-0.000 χ^2/NDF:3758810.4/34

All: 0.000+/-0.000 χ^2/NDF: 7763818.9/66


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1557.487+/-449.943 χ²/NDF:45.8/16
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1355.155+/-455.958 χ²/NDF:3.1/15
Left: 120.503+/-320.263 χ²/NDF: 69.6/32
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1144.864+/-352.268 χ²/NDF:8.2/31
Out: 858.253+/-347.700 χ²/NDF:68.2/34
All: -130.235+/-247.460 χ²/NDF: 92.9/66



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: 1655.592+/-0.322 χ^2/NDF:69748.0/15

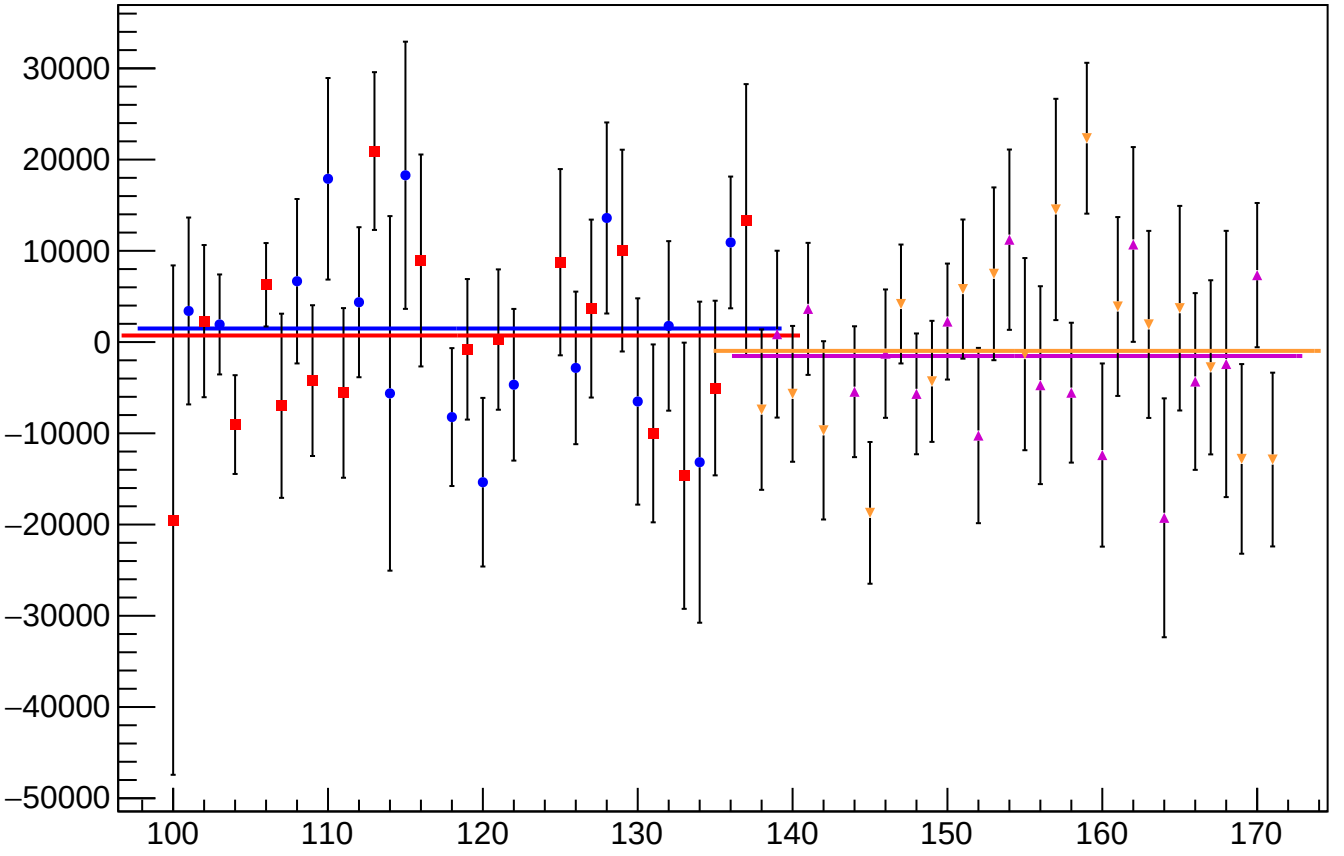
Left: 1651.074+/-0.226 χ^2/NDF: 161914.4/32

Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1577.011+/-0.249 χ^2/NDF:792850.1/31

Out: 1558.186+/-0.245 χ^2/NDF:693393.9/34

All: 1567.447+/-0.175 χ^2/NDF: 1489145.4/66



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: -1528.382+/-2128.338 χ^2/NDF:10.1/15

Left: -1246.204+/-1502.478 χ^2/NDF: 32.6/32

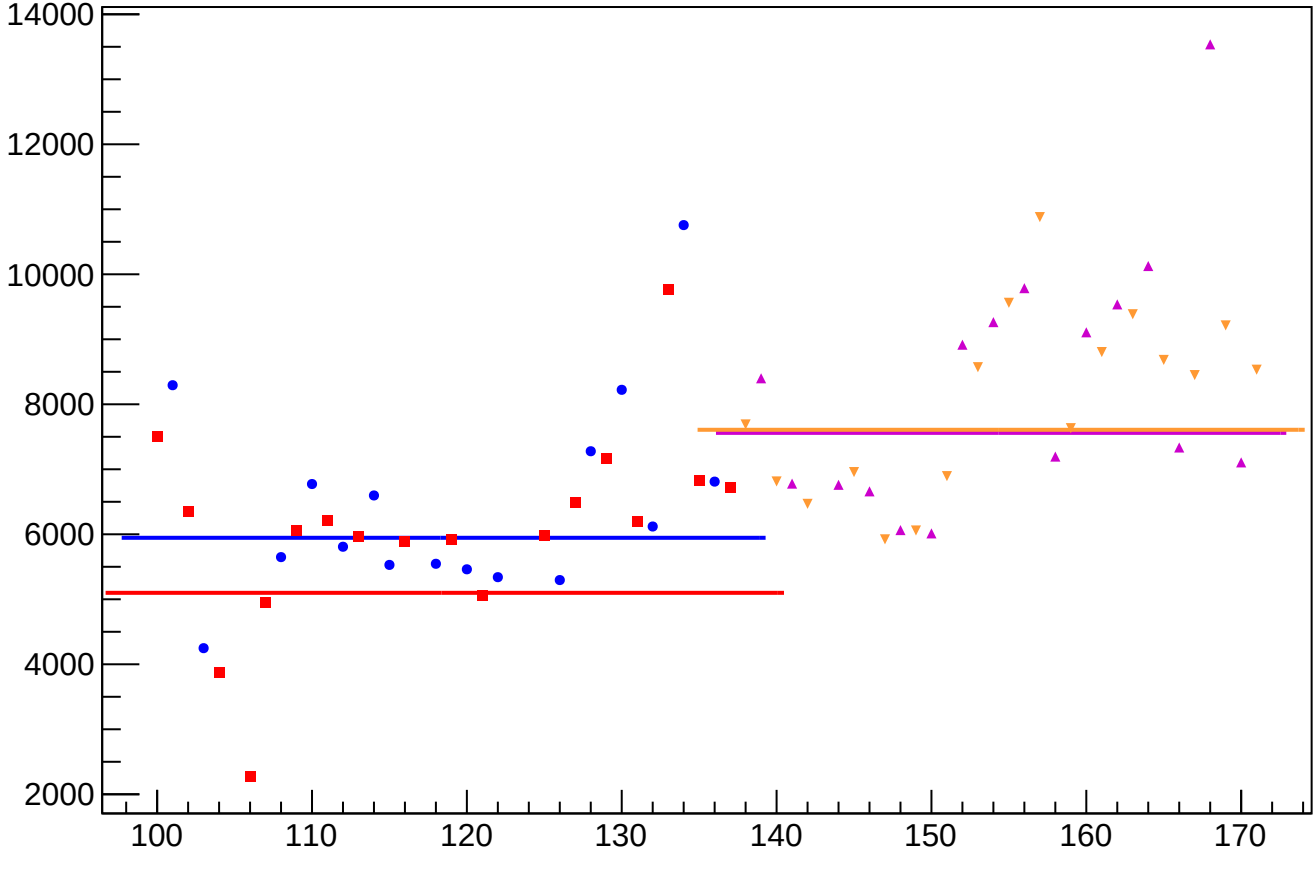
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: -116.200+/-1551.998 χ^2/NDF:25.3/31

Out: -78.108+/-1459.651 χ^2/NDF:40.2/34

All: -95.987+/-1063.278 χ^2/NDF: 65.5/66

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: 7560.267+/-1.505 χ^2/NDF:1042590.8/15

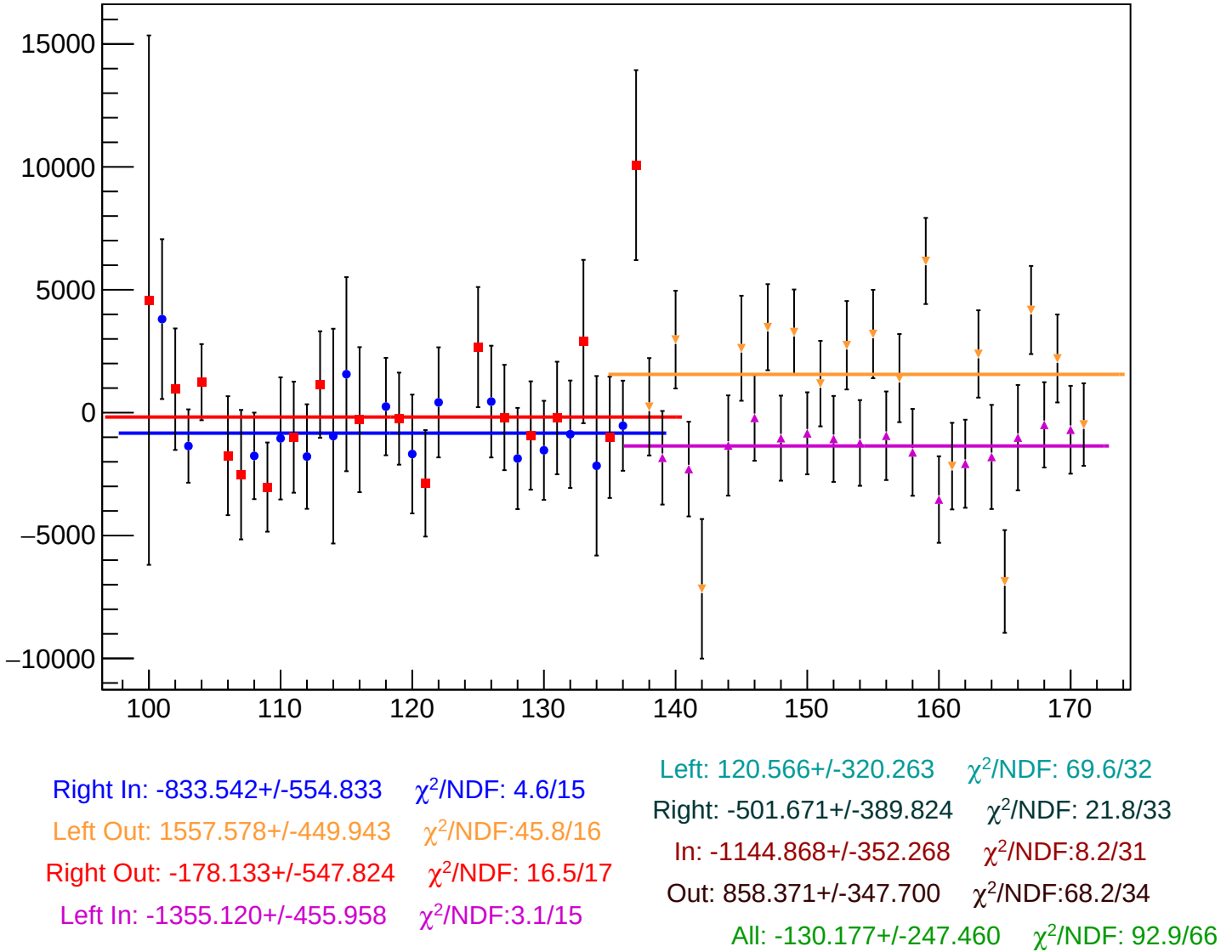
Left: 7584.108+/-1.062 χ^2/NDF: 1793193.3/32

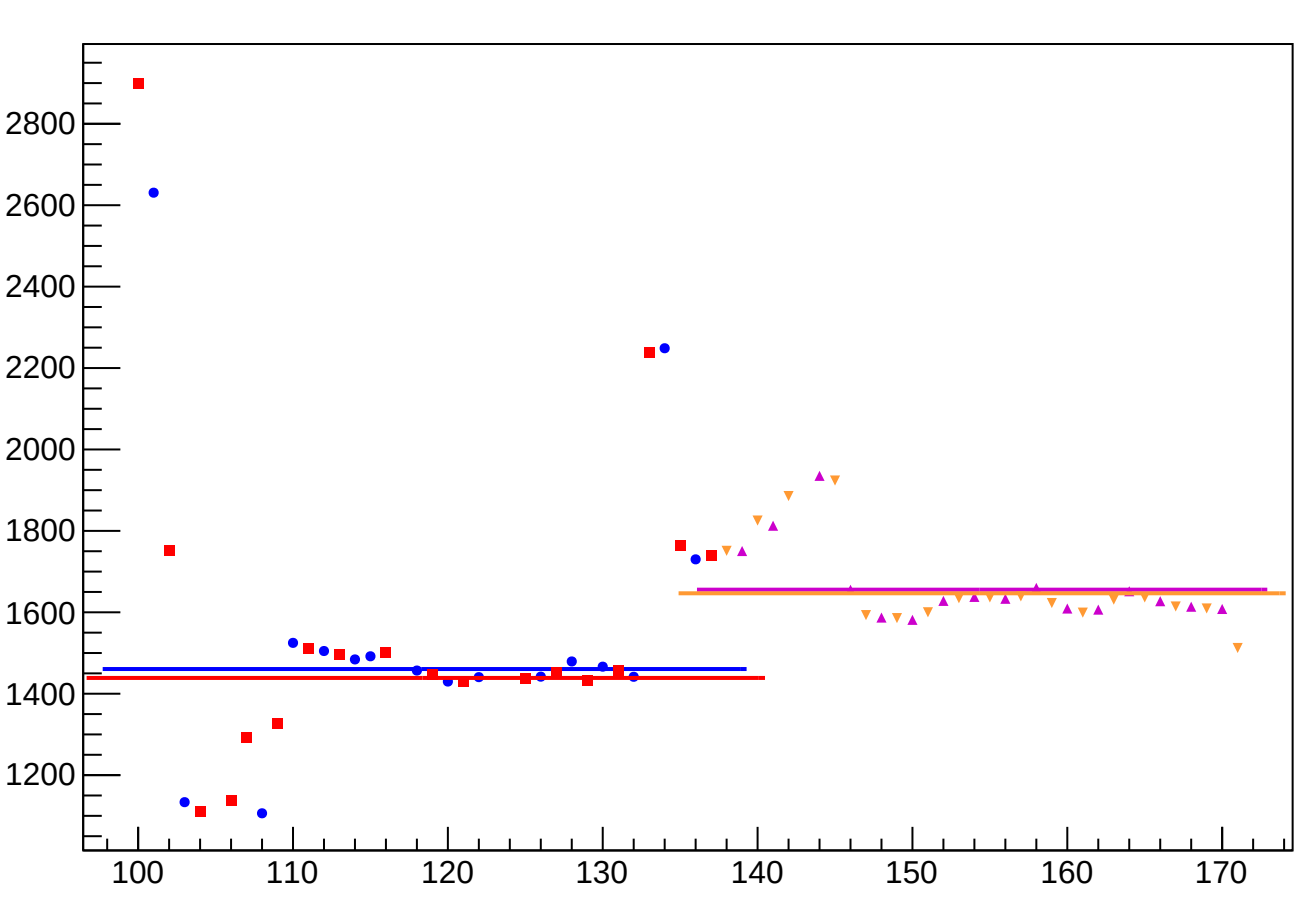
Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6804.411+/-1.097 χ^2/NDF:2222415.7/31

Out: 6287.007+/-1.032 χ^2/NDF:3702939.6/34

All: 6529.858+/-0.752 χ^2/NDF: 6043306.6/66


cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1557.578+/-449.943 χ²/NDF:45.8/16
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1355.120+/-455.958 χ²/NDF:3.1/15
Left: 120.566+/-320.263 χ²/NDF: 69.6/32
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1144.868+/-352.268 χ²/NDF:8.2/31
Out: 858.371+/-347.700 χ²/NDF:68.2/34
All: -130.177+/-247.460 χ²/NDF: 92.9/66



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: 1655.592+/-0.322 χ^2/NDF:69748.0/15

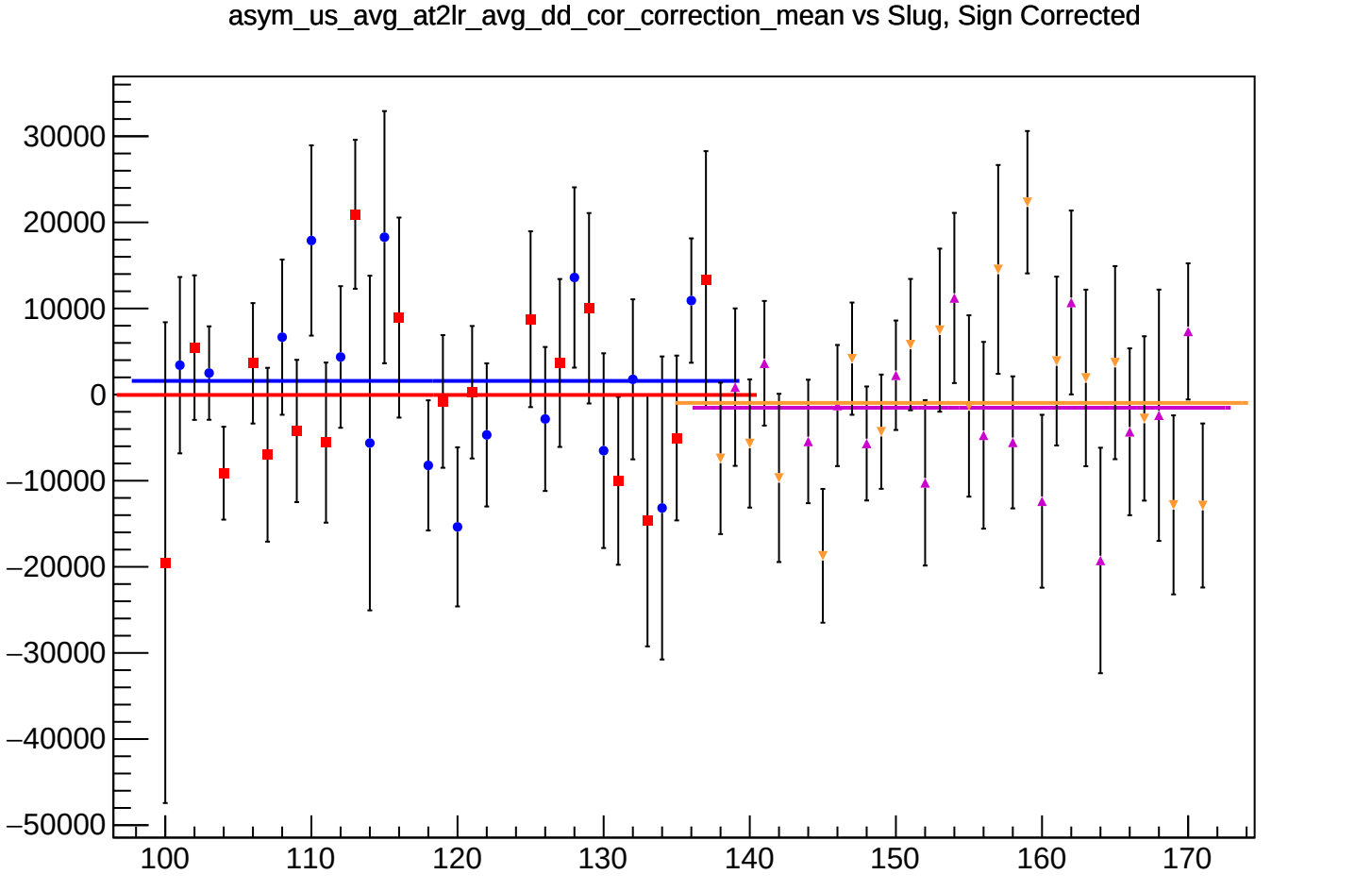
Left: 1651.074+/-0.226 χ^2/NDF: 161914.4/32

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1577.011+/-0.249 χ^2/NDF:792850.5/31

Out: 1562.692+/-0.246 χ^2/NDF:637651.9/34

All: 1569.751+/-0.175 χ^2/NDF: 1432177.8/66



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: -1528.428+/-2128.336 χ^2/NDF:10.1/15

Left: -1246.221+/-1502.477 χ^2/NDF: 32.6/32

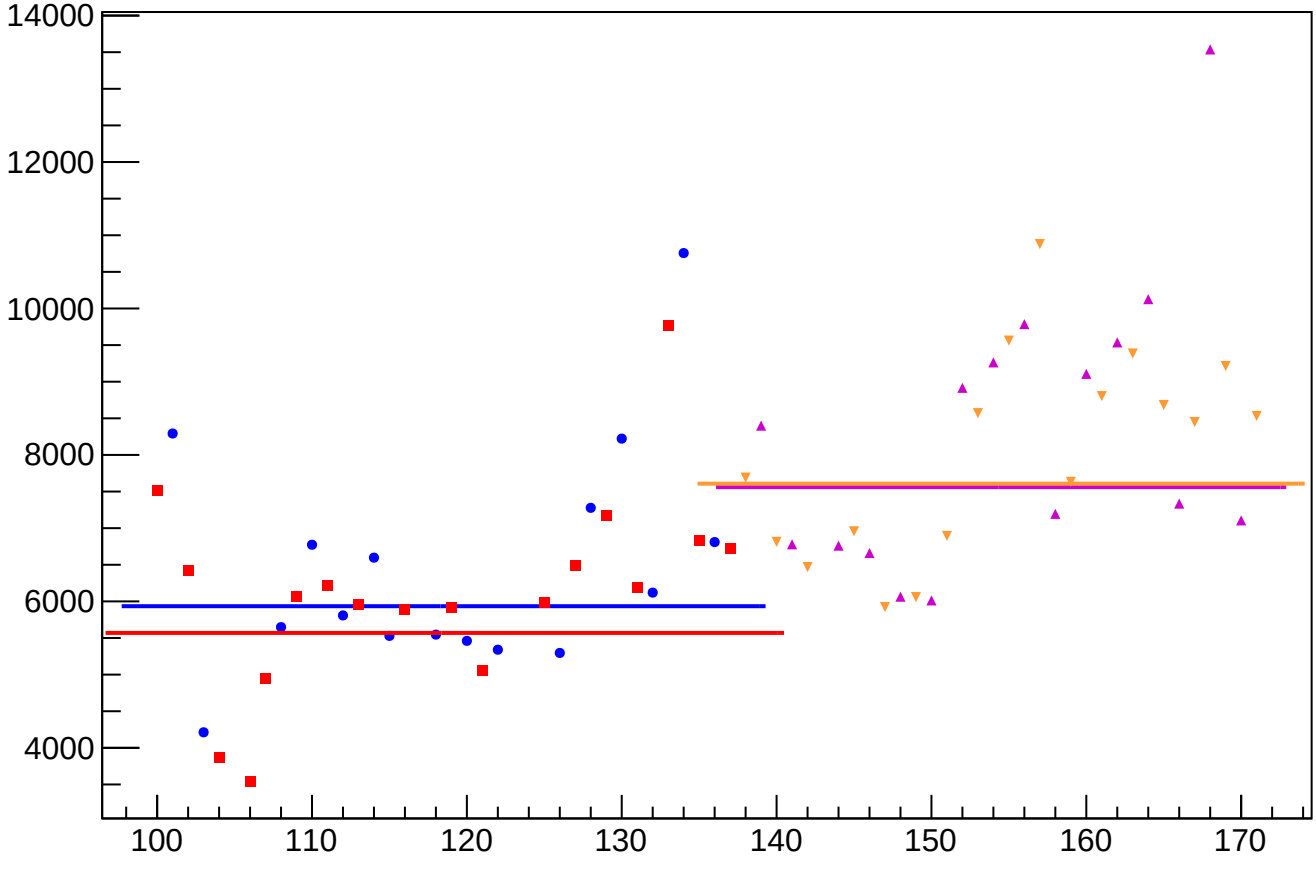
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -66.249+/-1550.788 χ^2/NDF:25.3/31

Out: -505.803+/-1504.129 χ^2/NDF:38.9/34

All: -292.738+/-1079.698 χ^2/NDF: 64.3/66

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: 7560.259+/-1.505 χ^2/NDF:1042594.4/15

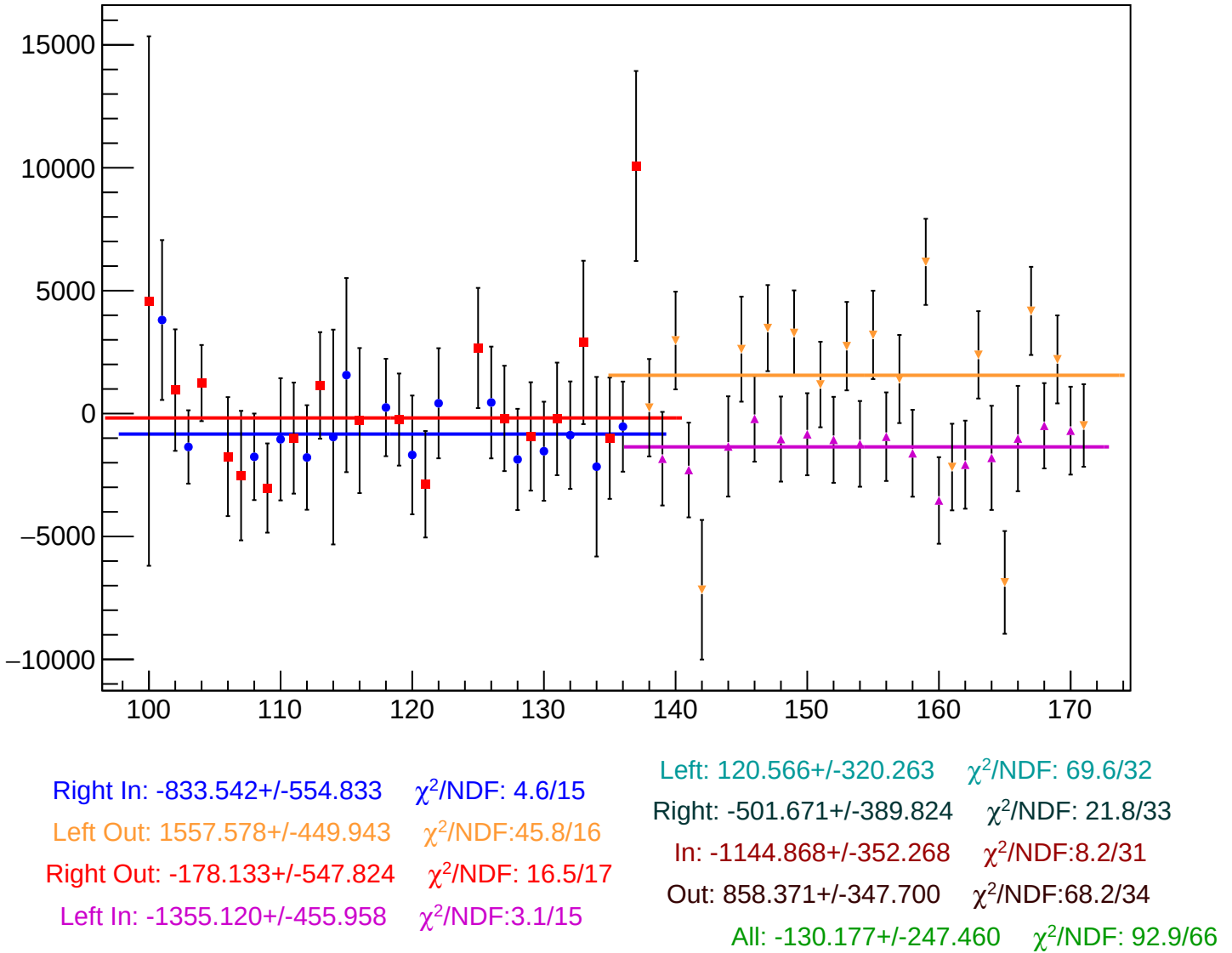
Left: 7584.103+/-1.062 χ^2/NDF: 1793197.3/32

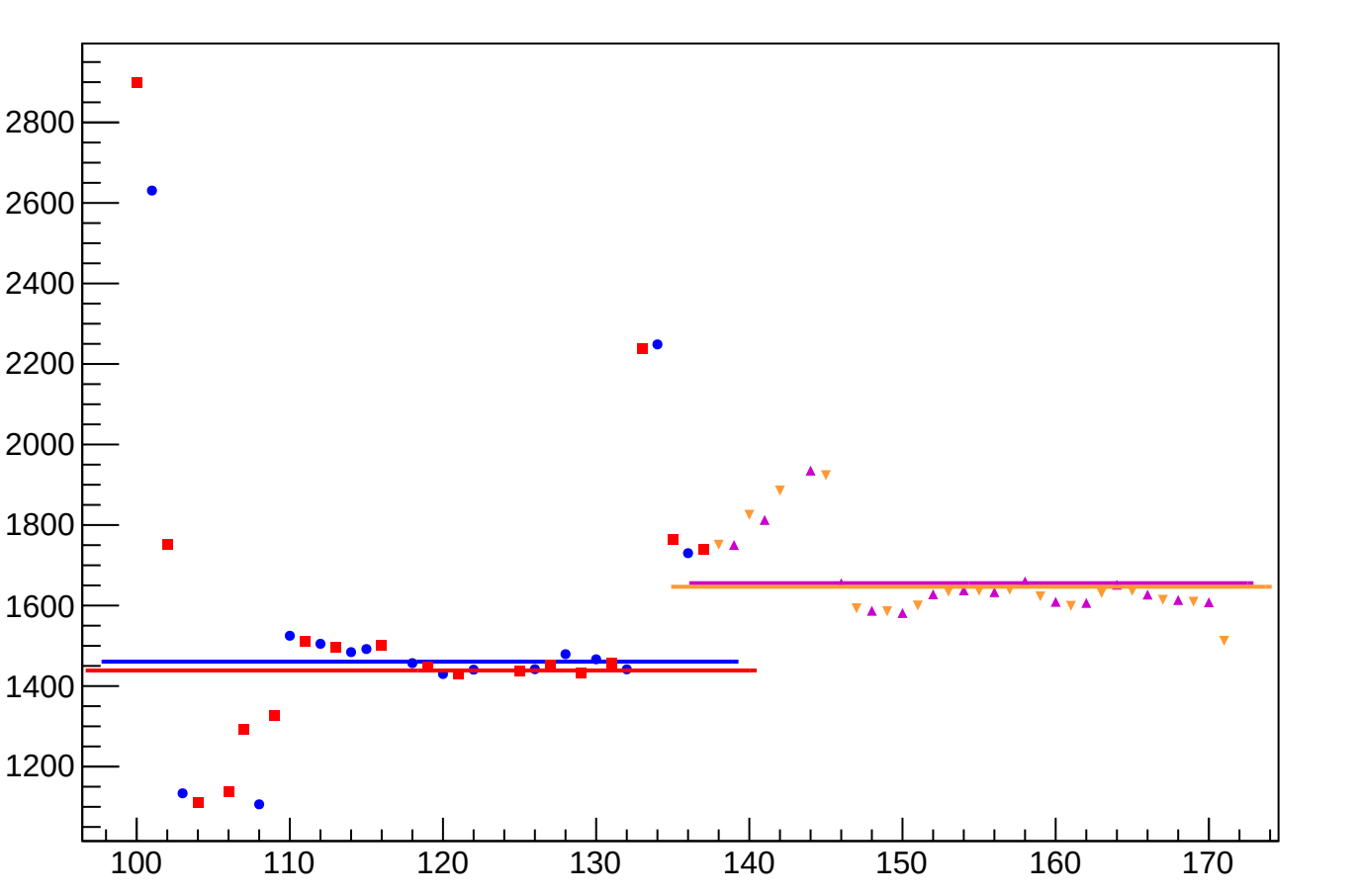
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6797.502+/-1.097 χ^2/NDF:2243285.0/31

Out: 6594.308+/-1.064 χ^2/NDF:2392216.2/34

All: 6692.802+/-0.763 χ^2/NDF: 4653193.4/66


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.542+/-554.833 χ²/NDF: 4.6/15
Left Out: 1557.578+/-449.943 χ²/NDF:45.8/16
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1355.120+/-455.958 χ²/NDF:3.1/15
Left: 120.566+/-320.263 χ²/NDF: 69.6/32
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1144.868+/-352.268 χ²/NDF:8.2/31
Out: 858.371+/-347.700 χ²/NDF:68.2/34
All: -130.177+/-247.460 χ²/NDF: 92.9/66



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: 1655.592+/-0.322 χ^2/NDF:69748.0/15

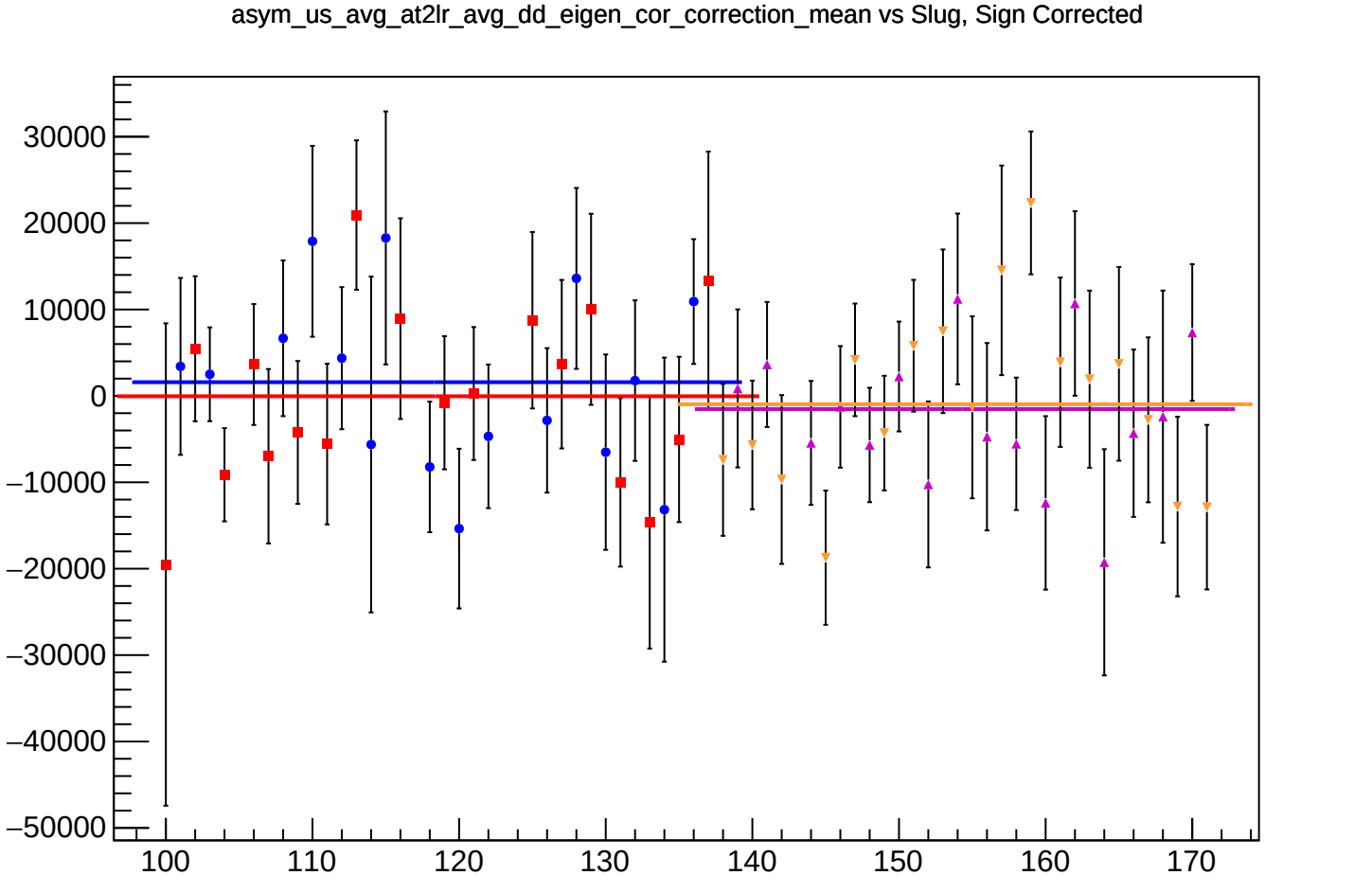
Left: 1651.074+/-0.226 χ^2/NDF: 161914.4/32

Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1577.011+/-0.249 χ^2/NDF:792850.5/31

Out: 1562.692+/-0.246 χ^2/NDF:637651.9/34

All: 1569.751+/-0.175 χ^2/NDF: 1432177.8/66



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: -1528.428+/-2128.336 χ^2/NDF:10.1/15

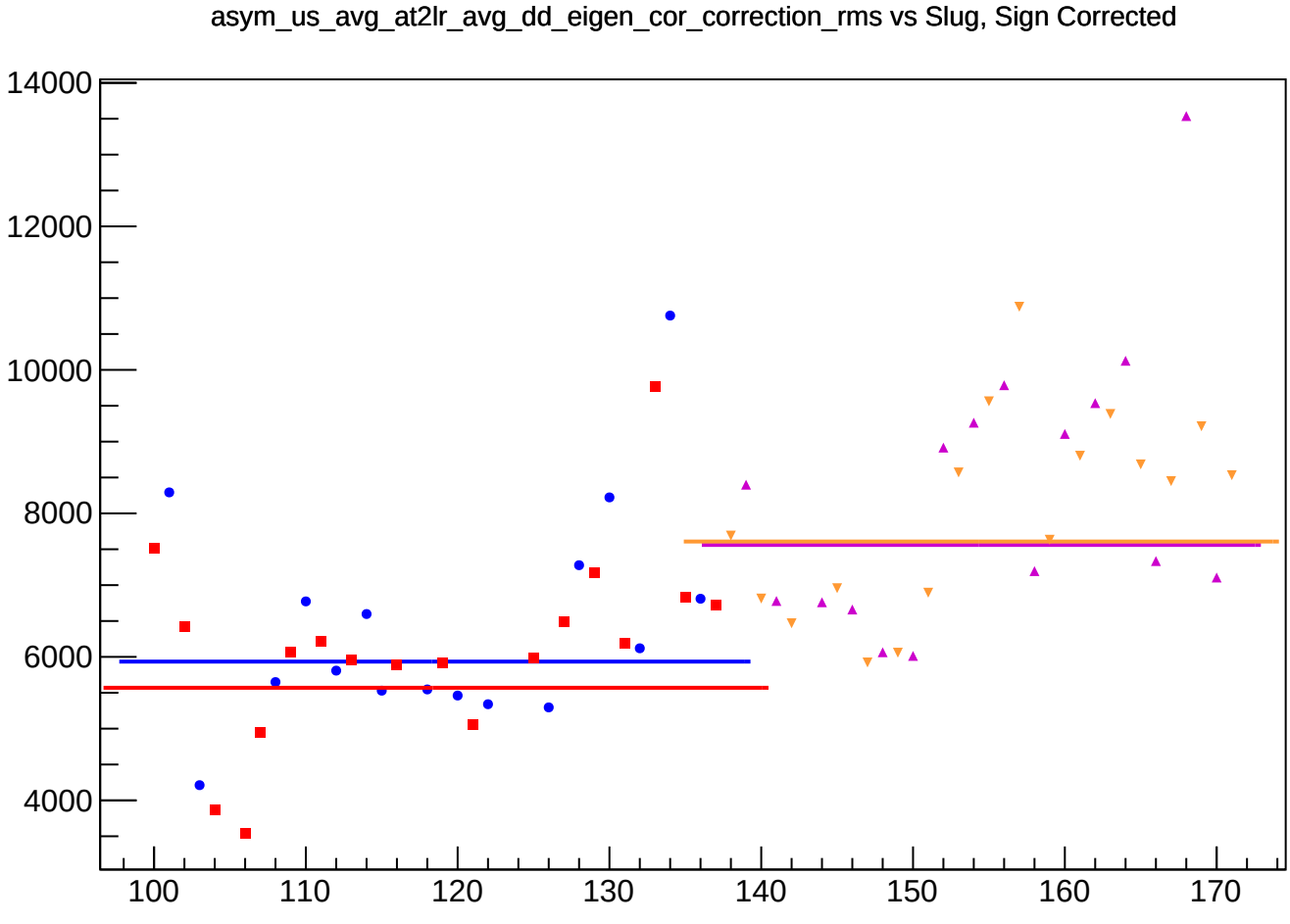
Left: -1246.221+/-1502.477 χ^2/NDF: 32.6/32

Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: -66.249+/-1550.788 χ^2/NDF:25.3/31

Out: -505.803+/-1504.129 χ^2/NDF:38.9/34

All: -292.738+/-1079.698 χ^2/NDF: 64.3/66



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: 7560.259+/-1.505 χ^2/NDF:1042594.4/15

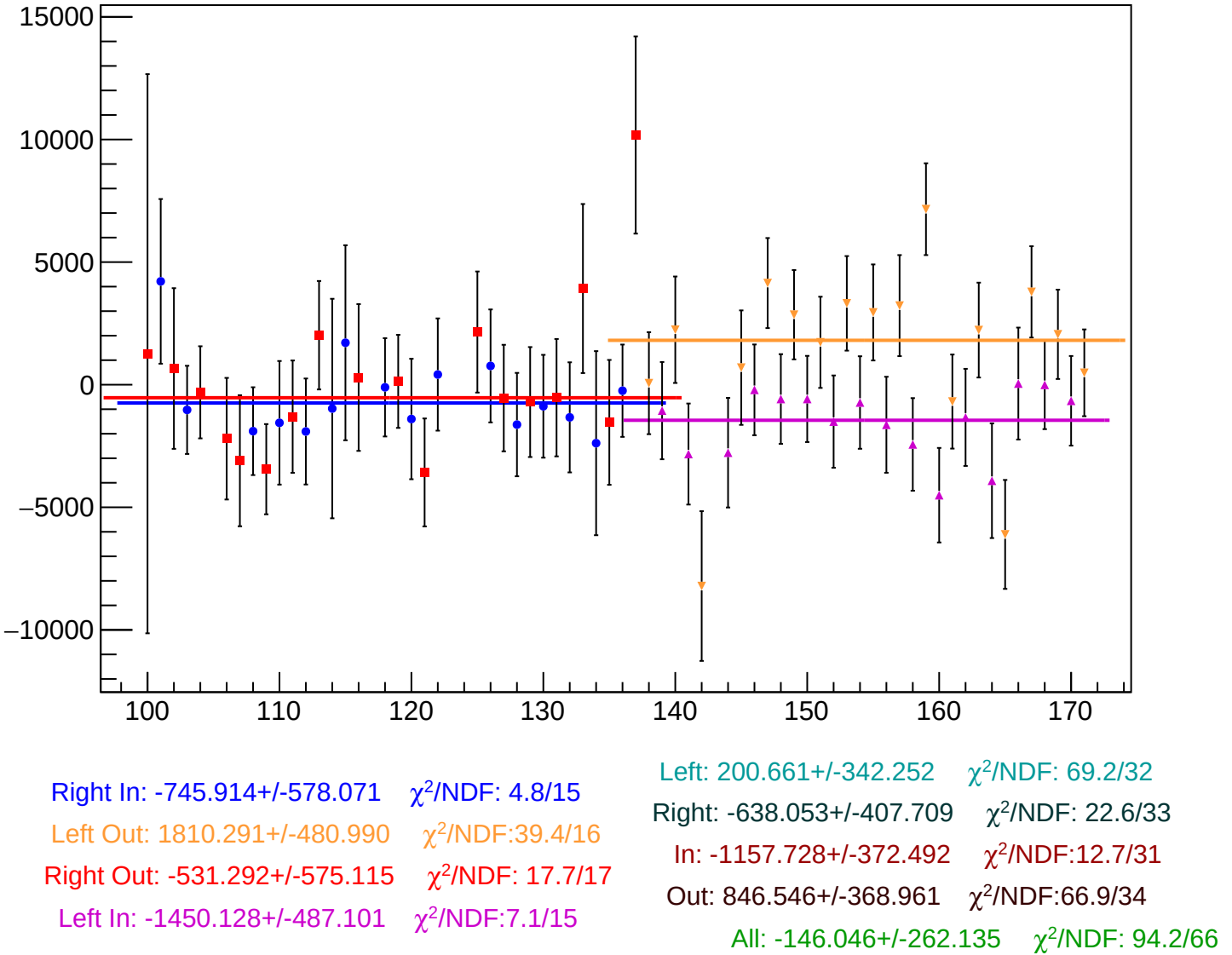
Left: 7584.103+/-1.062 χ^2/NDF: 1793197.3/32

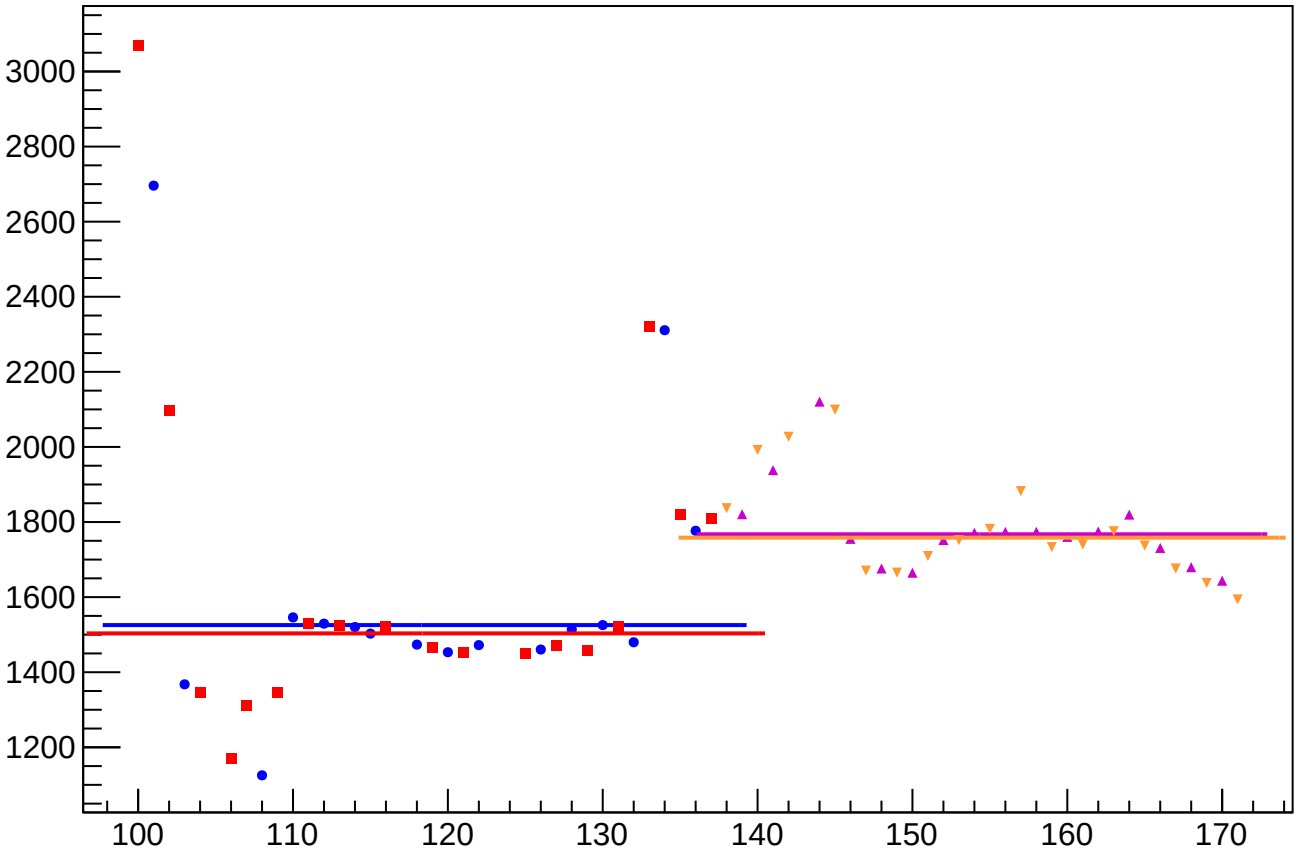
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6797.502+/-1.097 χ^2/NDF:2243285.0/31

Out: 6594.308+/-1.064 χ^2/NDF:2392216.2/34

All: 6692.802+/-0.763 χ^2/NDF: 4653193.4/66


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: -1450.128+/-487.101 χ²/NDF:7.1/15
Left: 200.661+/-342.252 χ²/NDF: 69.2/32
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1157.728+/-372.492 χ²/NDF:12.7/31
Out: 846.546+/-368.961 χ²/NDF:66.9/34
All: -146.046+/-262.135 χ²/NDF: 94.2/66



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: 1767.362+/-0.344 χ^2/NDF:92611.8/15

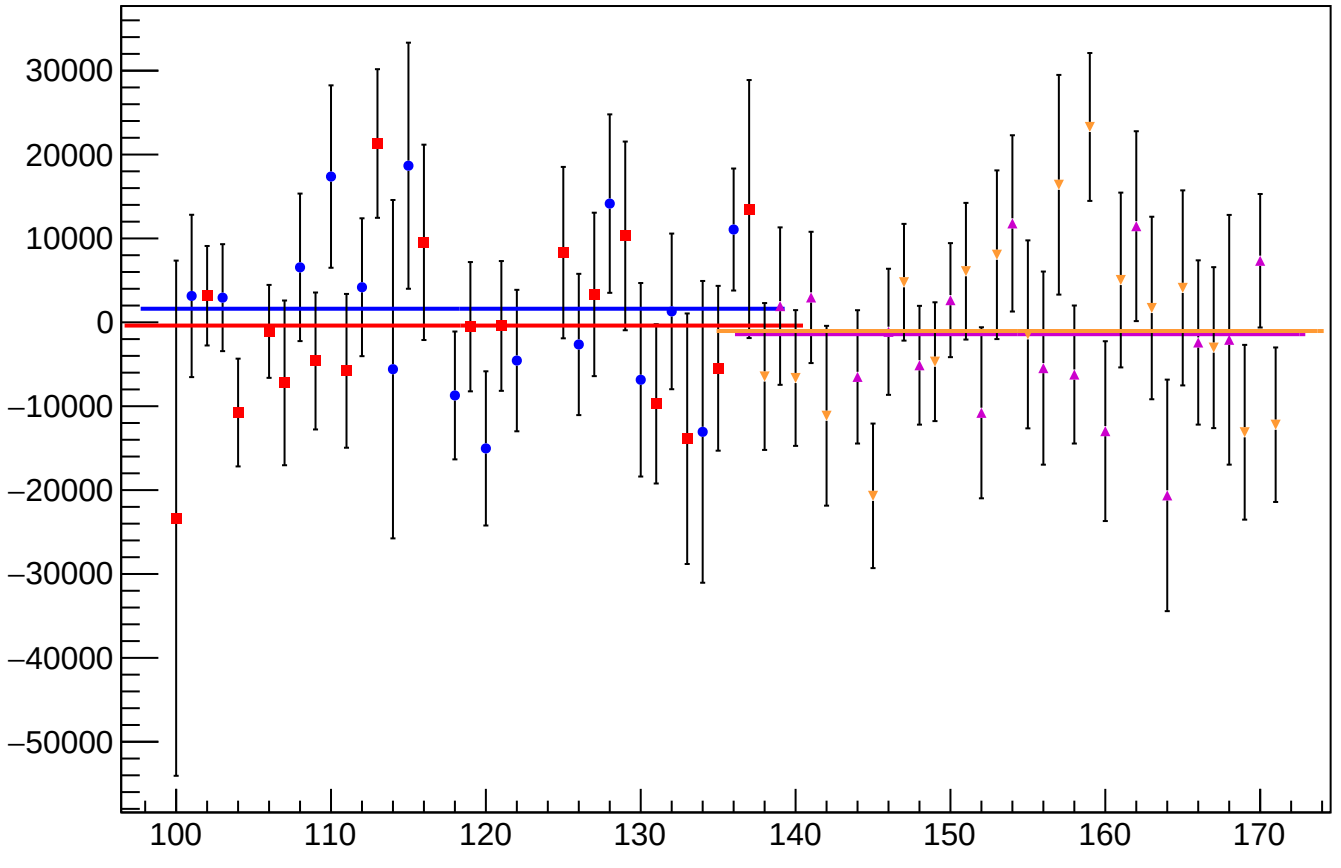
Left: 1762.808+/-0.242 χ^2/NDF: 226723.5/32

Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1666.952+/-0.263 χ^2/NDF:785618.2/31

Out: 1653.406+/-0.261 χ^2/NDF:703592.1/34

All: 1660.114+/-0.185 χ^2/NDF: 1490545.5/66



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: -1414.157+/-2257.009 χ^2/NDF:10.0/15

Left: -1223.620+/-1589.198 χ^2/NDF: 32.3/32

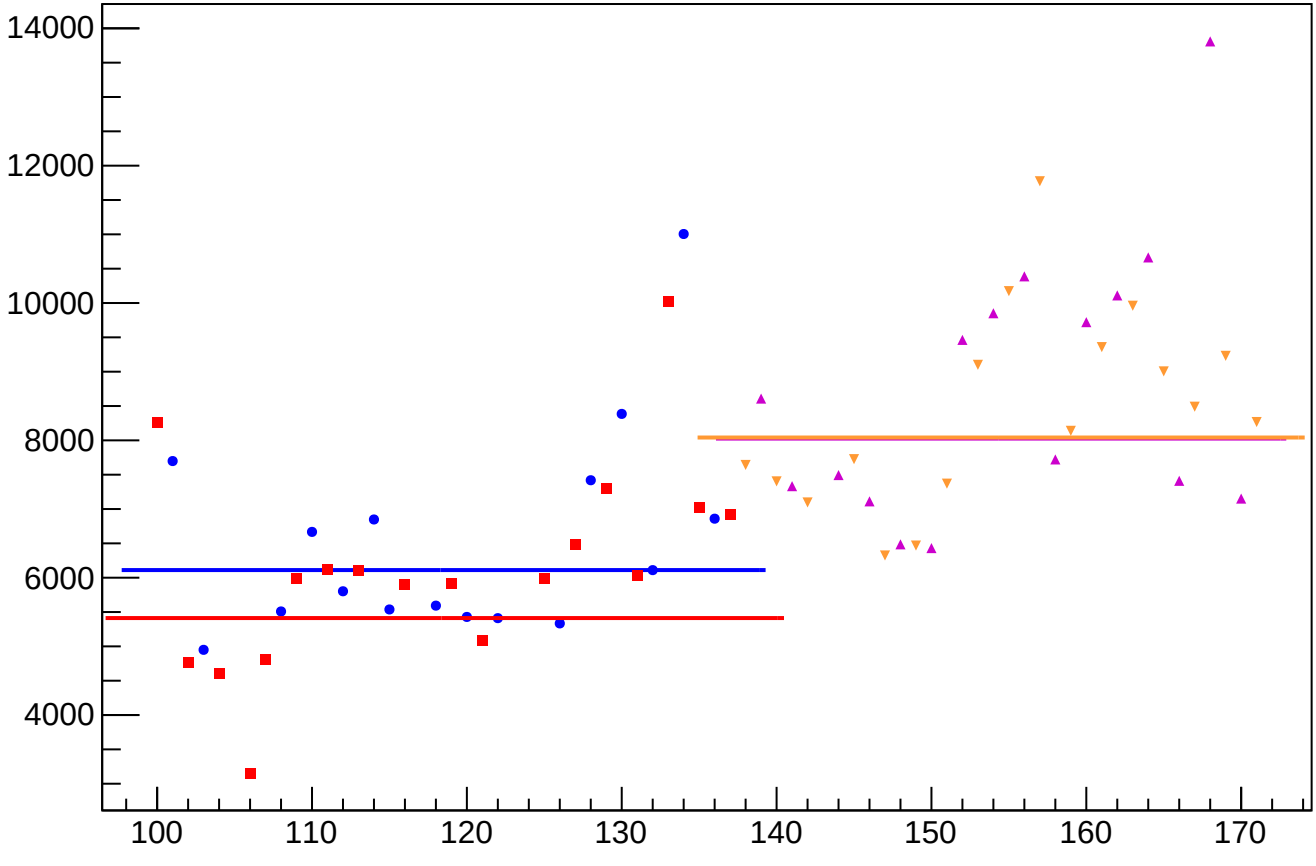
Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 61.179+/-1617.768 χ^2/NDF:25.1/31

Out: -684.349+/-1516.026 χ^2/NDF:38.4/34

All: -335.764+/-1106.213 χ^2/NDF: 63.6/66

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: 8025.728+/-1.596 χ^2/NDF:978584.2/15

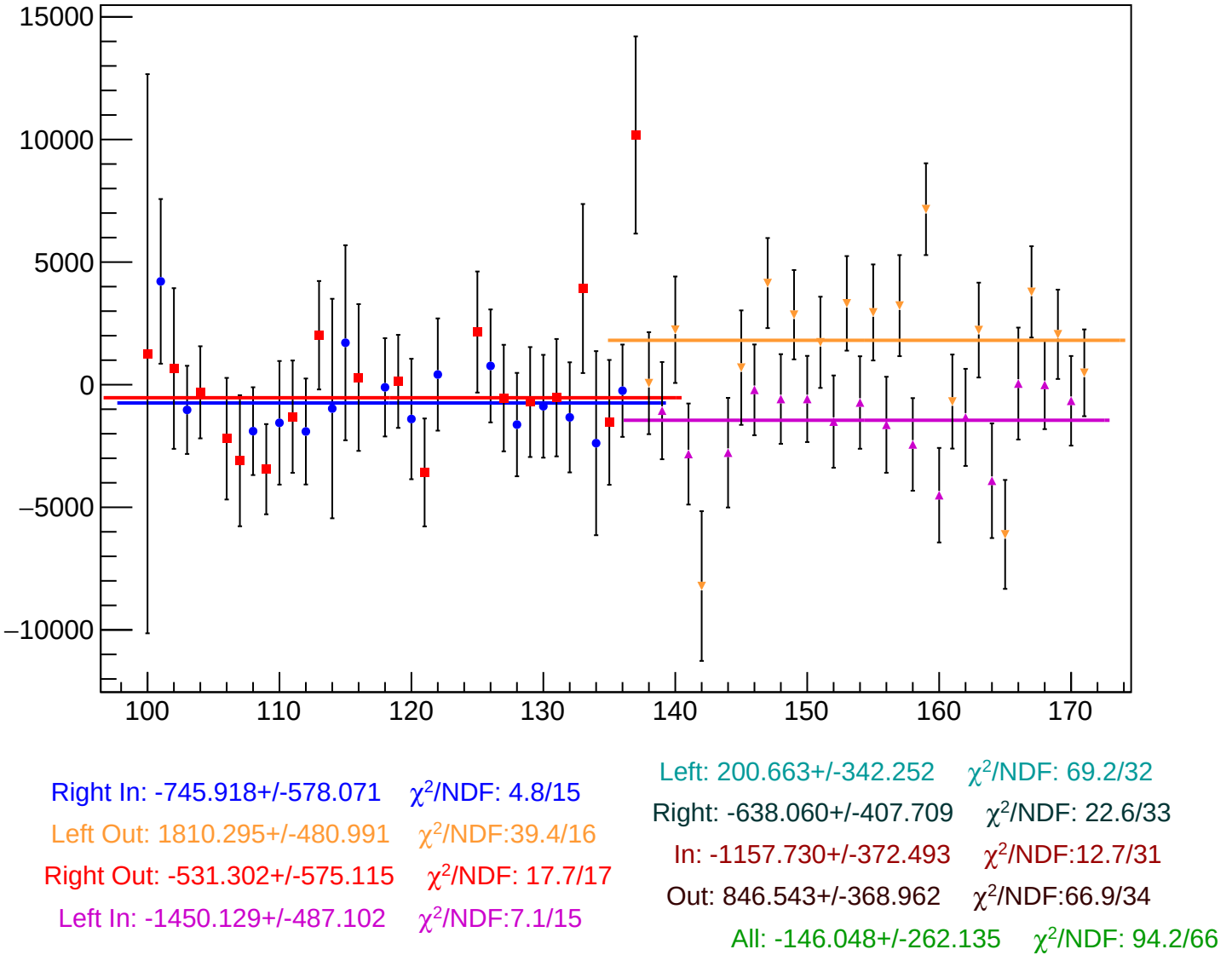
Left: 8033.583+/-1.124 χ^2/NDF: 1644404.2/32

Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7094.742+/-1.144 χ^2/NDF:2150097.1/31

Out: 6618.622+/-1.072 χ^2/NDF:2980774.5/34

All: 6841.240+/-0.782 χ^2/NDF: 5223106.3/66


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
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−5000
−10000
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110
120
130
140
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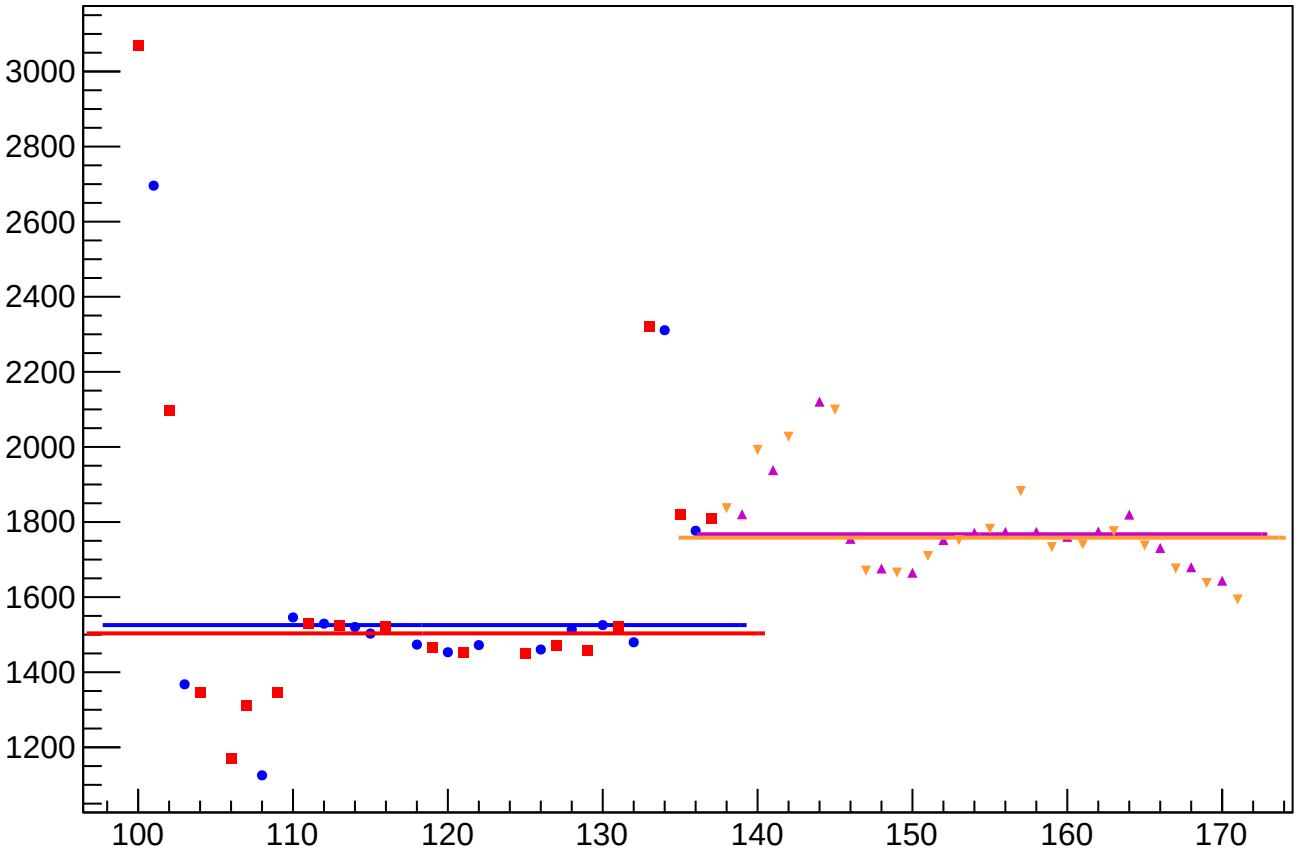
160
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1810.295+/-480.991 χ²/NDF:39.4/16
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1450.129+/-487.102 χ²/NDF:7.1/15
Left: 200.663+/-342.252 χ²/NDF: 69.2/32
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1157.730+/-372.493 χ²/NDF:12.7/31
Out: 846.543+/-368.962 χ²/NDF:66.9/34
All: -146.048+/-262.135 χ²/NDF: 94.2/66



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: 1767.365+/-0.344 χ^2/NDF:92612.6/15

Left: 1762.810+/-0.242 χ^2/NDF: 226727.7/32

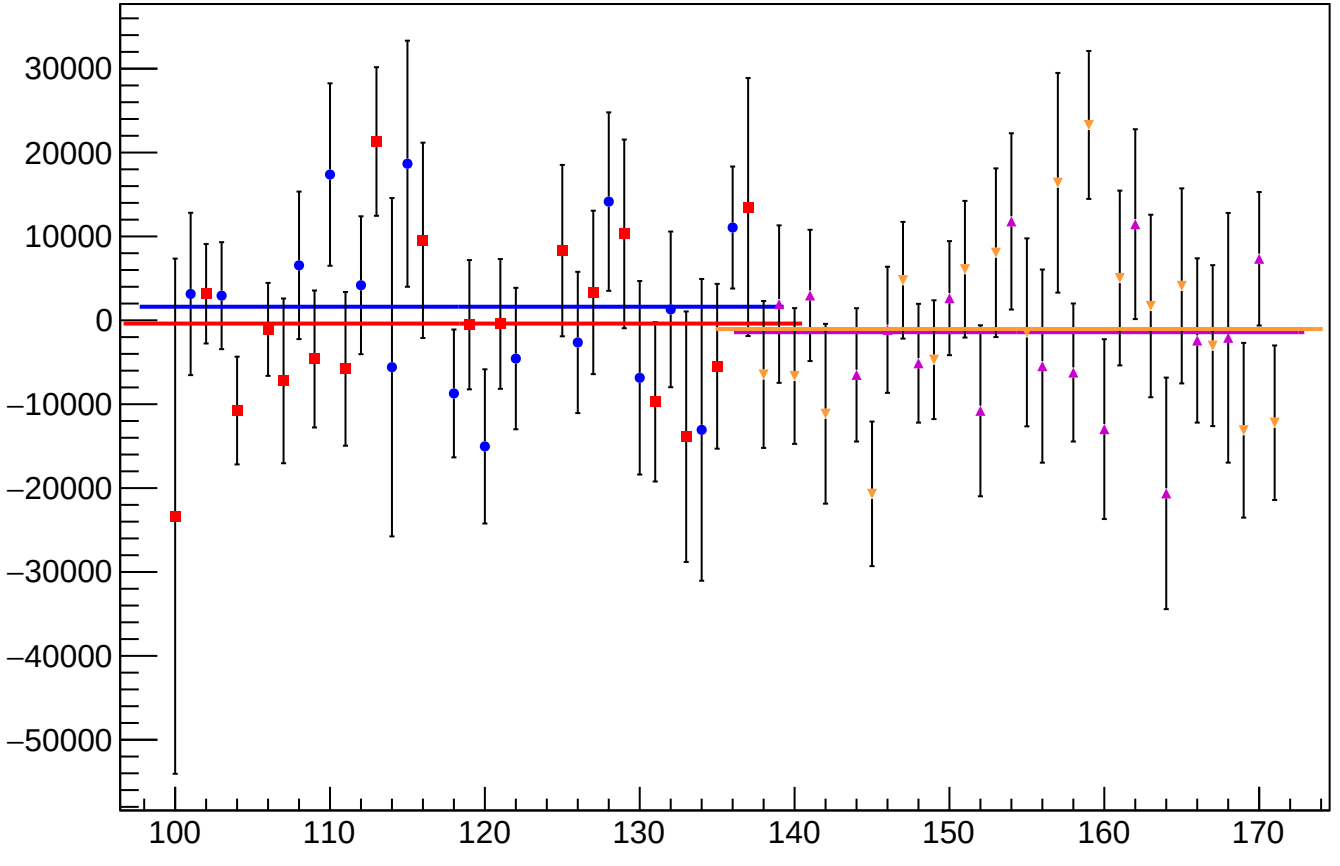
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1666.954+/-0.263 χ^2/NDF:785623.2/31

Out: 1653.408+/-0.261 χ^2/NDF:703598.9/34

All: 1660.115+/-0.185 χ^2/NDF: 1490557.3/66

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: -1414.153+/-2257.012 χ^2/NDF:10.0/15

Left: -1223.618+/-1589.200 χ^2/NDF: 32.3/32

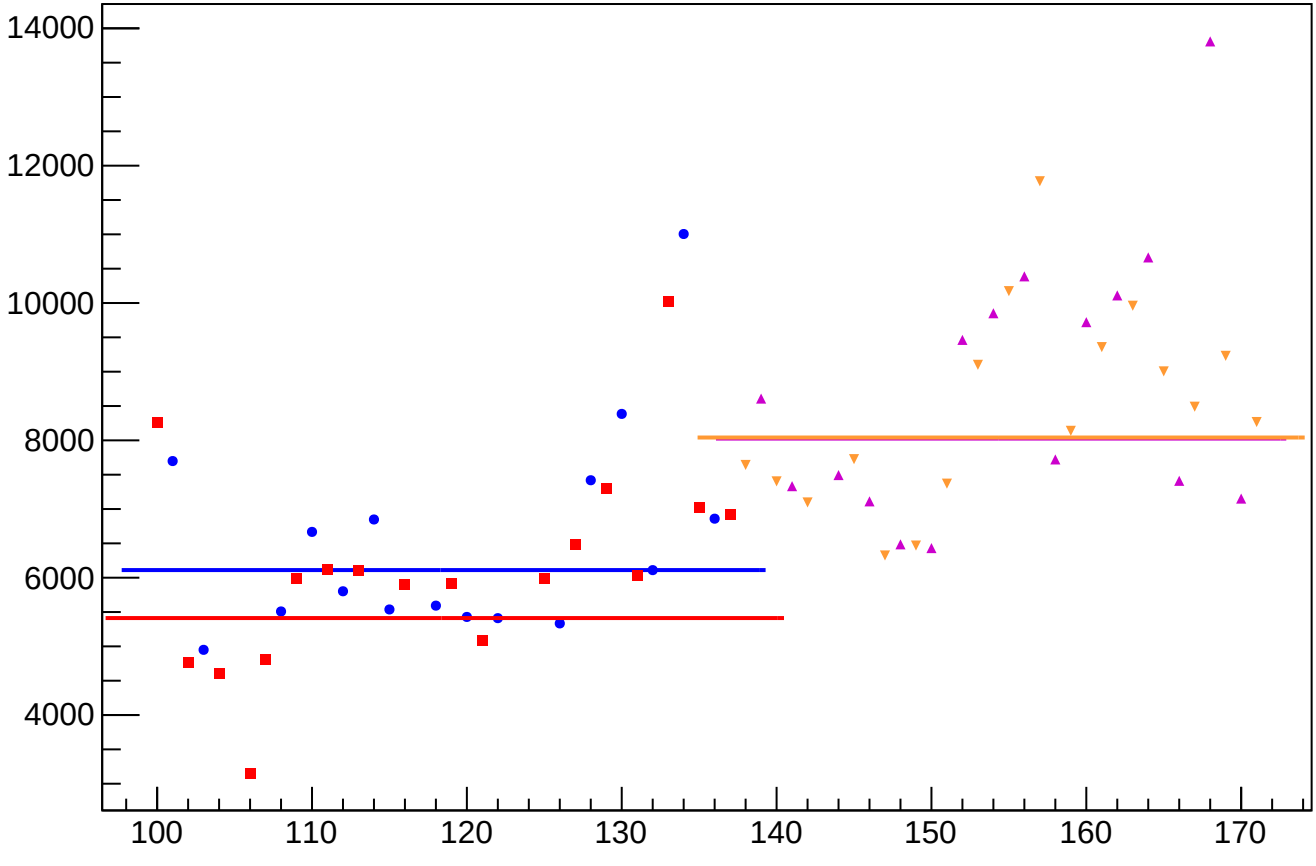
Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 61.176+/-1617.768 χ^2/NDF:25.1/31

Out: -684.352+/-1516.025 χ^2/NDF:38.4/34

All: -335.767+/-1106.212 χ^2/NDF: 63.6/66

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: 8025.738+/-1.596 χ^2/NDF:978586.8/15

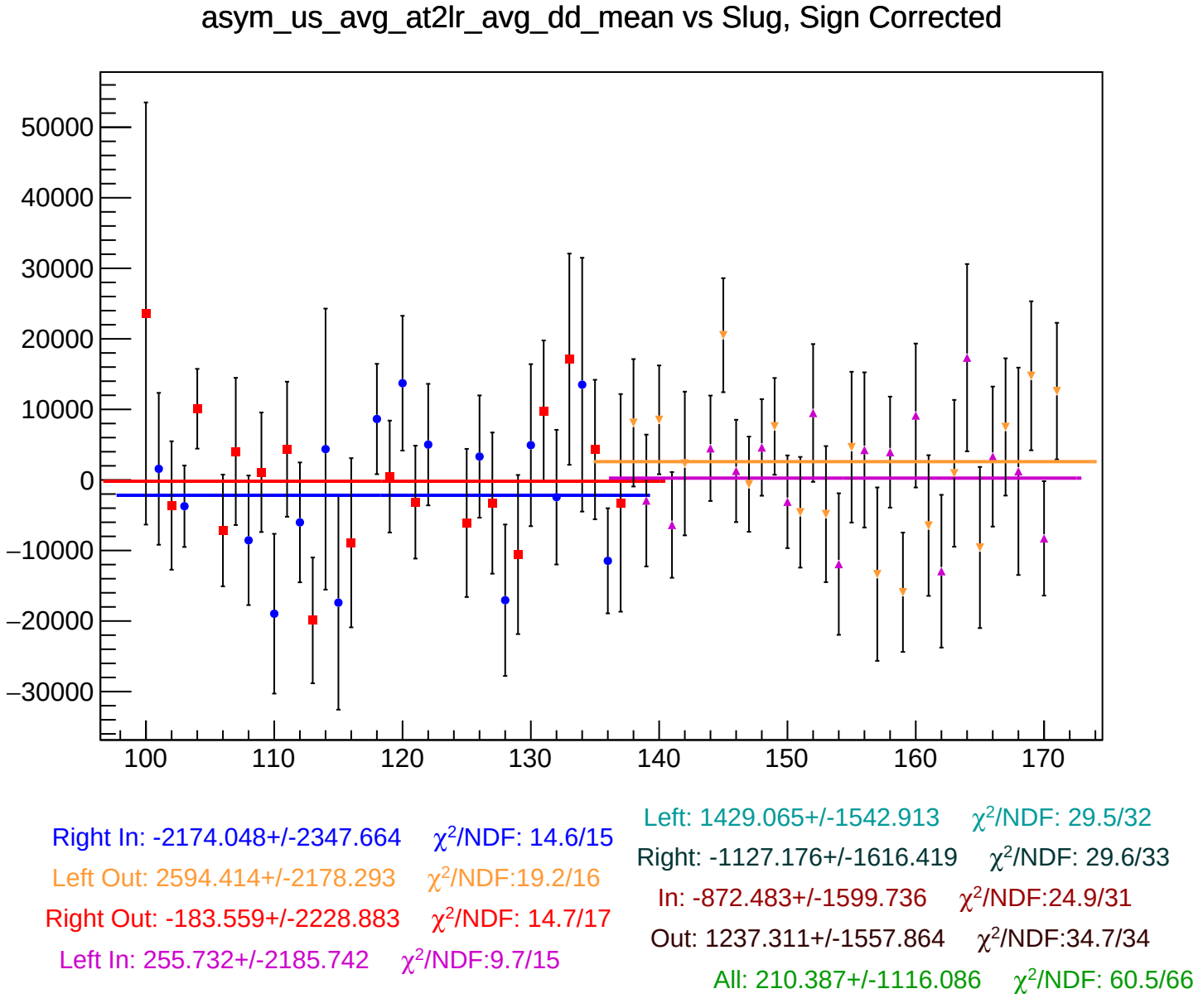
Left: 8033.593+/-1.124 χ^2/NDF: 1644408.4/32

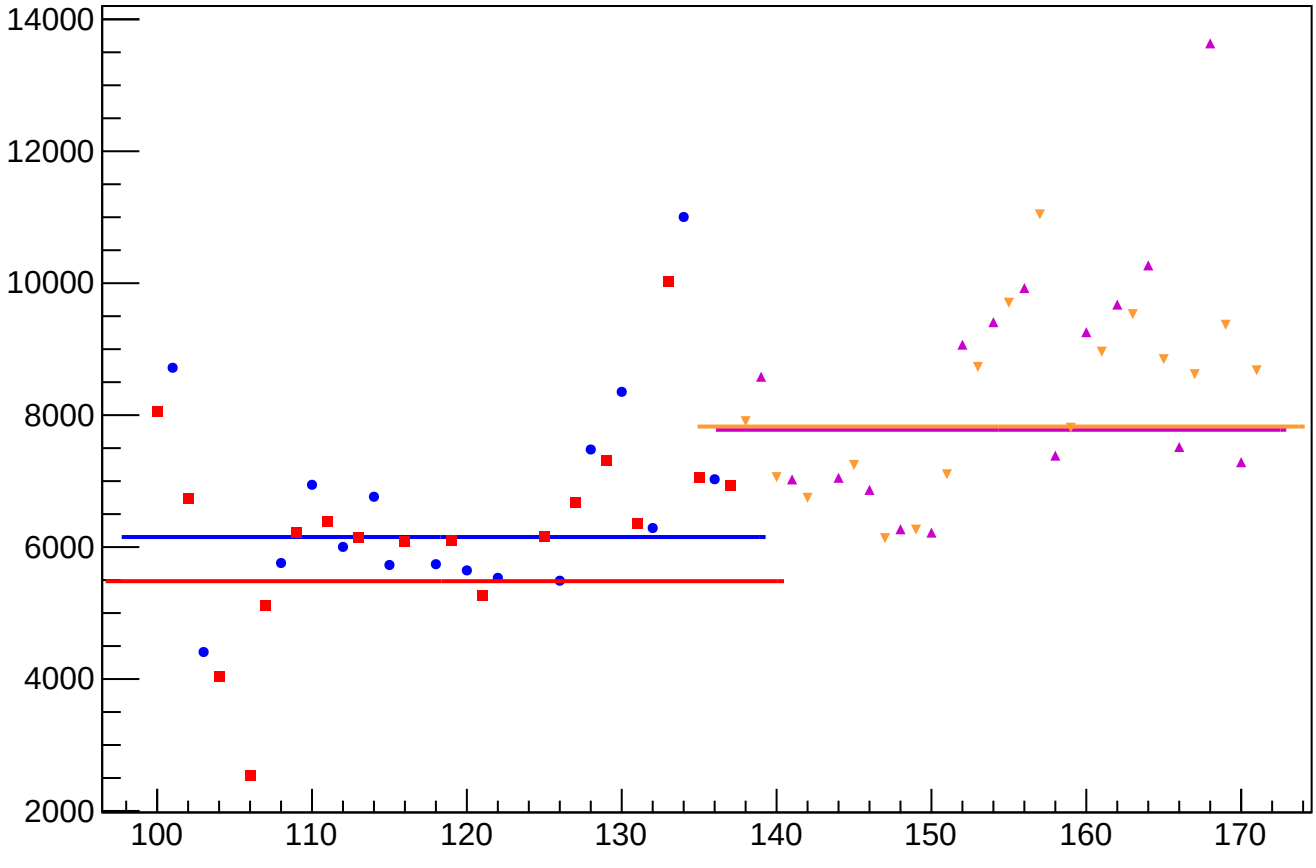
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7094.737+/-1.144 χ^2/NDF:2150119.5/31

Out: 6618.616+/-1.072 χ^2/NDF:2980802.3/34

All: 6841.235+/-0.782 χ^2/NDF: 5223157.0/66


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 2594.414+/-2178.293 χ²/NDF:19.2/16
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: 255.732+/-2185.742 χ²/NDF:9.7/15
Left: 1429.065+/-1542.913 χ²/NDF: 29.5/32
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -872.483+/-1599.736 χ²/NDF:24.9/31
Out: 1237.311+/-1557.864 χ²/NDF:34.7/34
All: 210.387+/-1116.086 χ²/NDF: 60.5/66



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: 7778.321+/-1.546 χ^2/NDF:964289.2/15

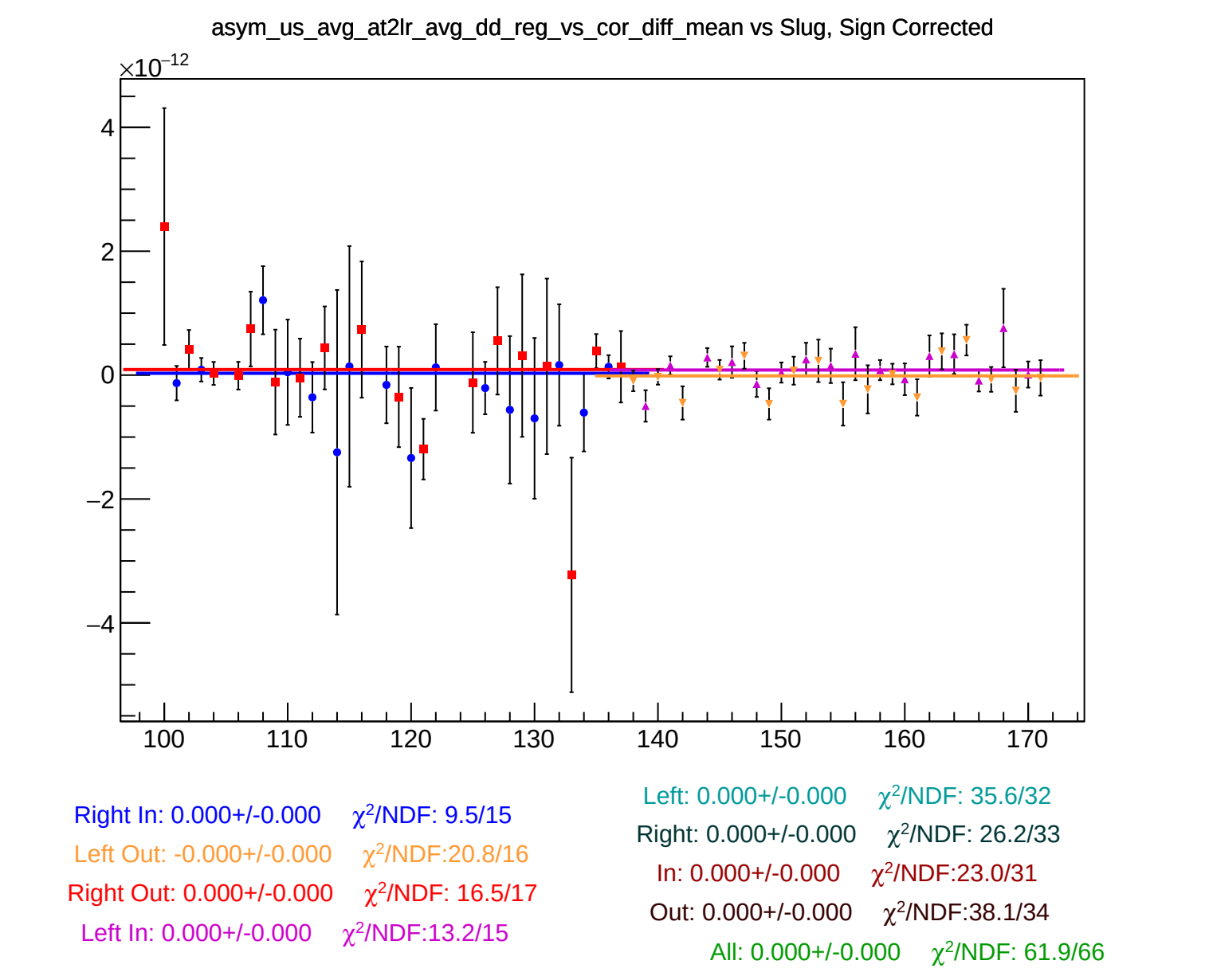
Left: 7802.859+/-1.091 χ^2/NDF: 1647328.2/32

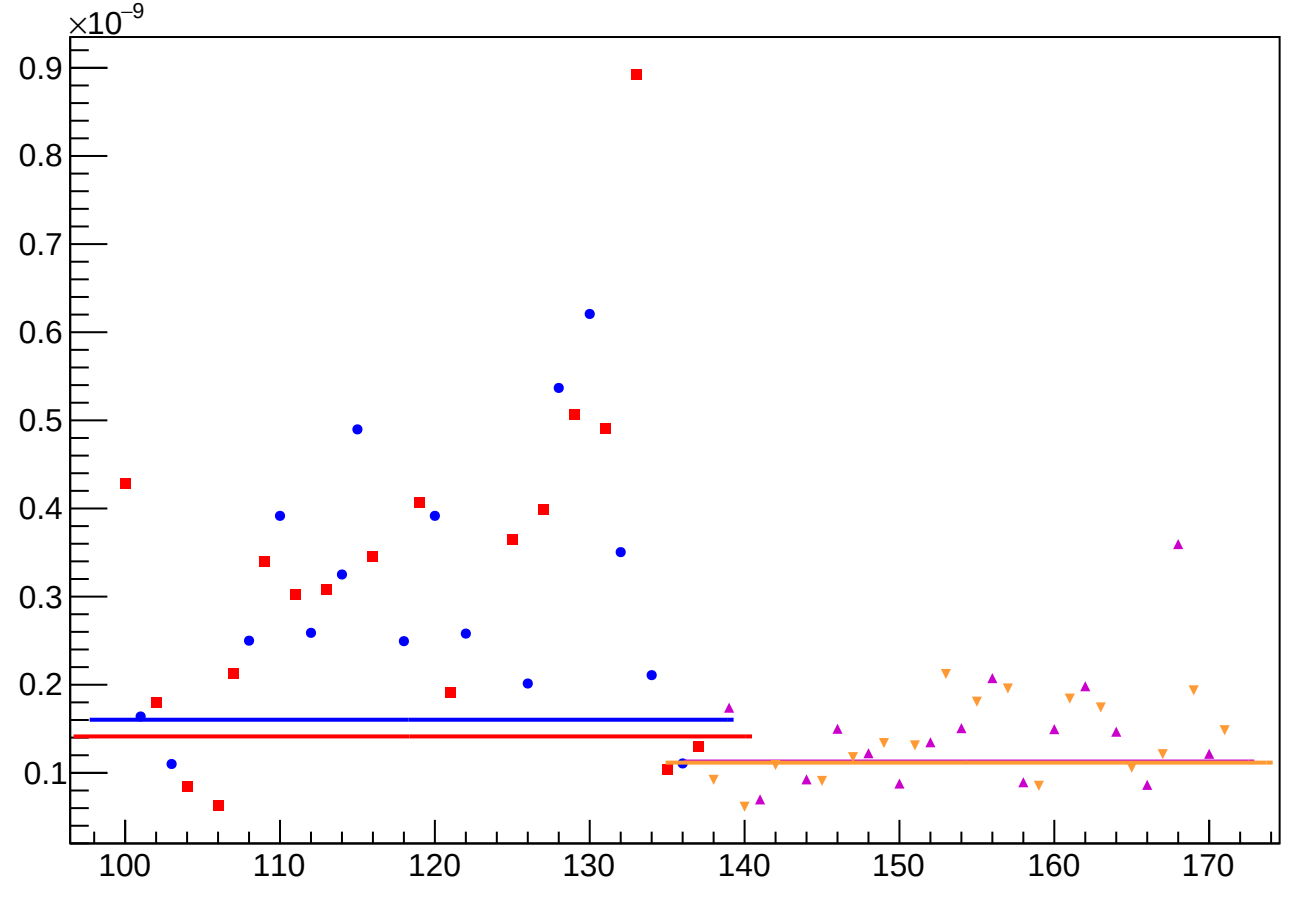
Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7023.490+/-1.131 χ^2/NDF:2102008.9/31

Out: 6639.330+/-1.082 χ^2/NDF:3004835.1/34

All: 6822.826+/-0.782 χ^2/NDF: 5167088.4/66


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 9.5/15
Left Out: -0.000+/-0.000 χ²/NDF:20.8/16
Right Out: 0.000+/-0.000 χ²/NDF: 16.5/17
Left In: 0.000+/-0.000 χ²/NDF:13.2/15
Left: 0.000+/-0.000 χ²/NDF: 35.6/32
Right: 0.000+/-0.000 χ²/NDF: 26.2/33
In: 0.000+/-0.000 χ²/NDF:23.0/31
Out: 0.000+/-0.000 χ²/NDF:38.1/34
All: 0.000+/-0.000 χ²/NDF: 61.9/66



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:1152518.4/15

Left: 0.000+/-0.000 χ^2/NDF: 2332896.6/32

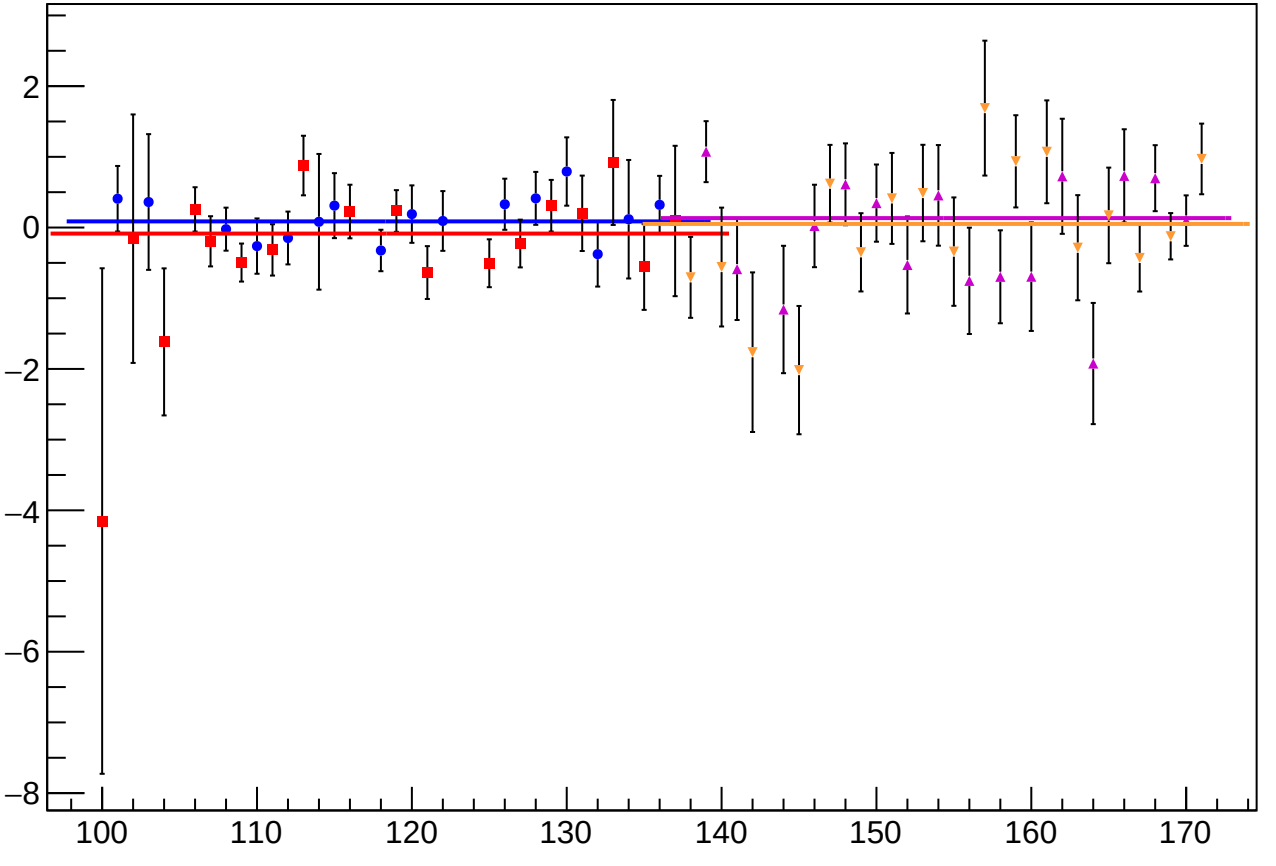
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2811193.2/31

Out: 0.000+/-0.000 χ^2/NDF:3478356.2/34

All: 0.000+/-0.000 χ^2/NDF: 6301148.8/66

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: 0.133+/-0.149 χ^2/NDF:22.6/15

Left: 0.092+/-0.104 χ^2/NDF: 47.0/32

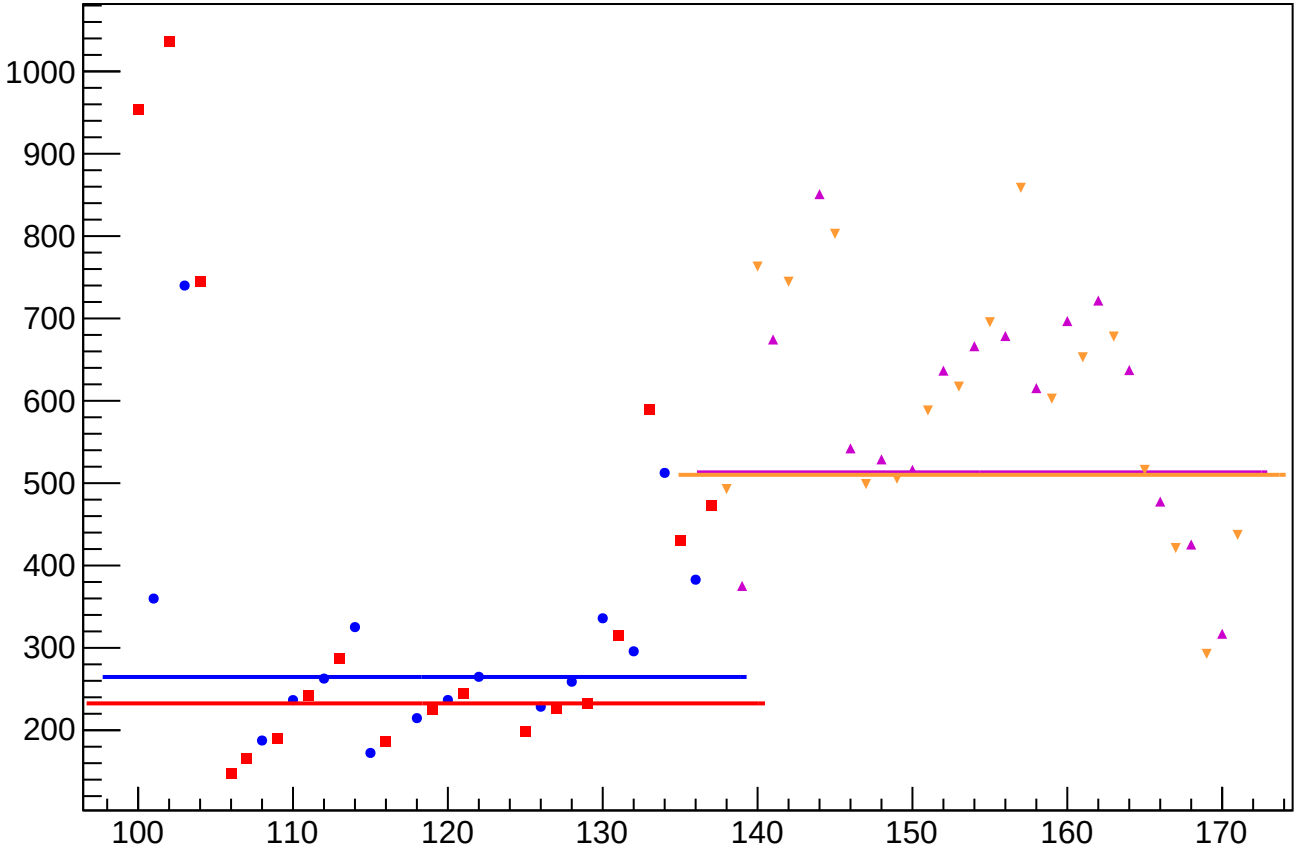
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.025+/-0.059 χ^2/NDF: 79.7/66

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 264.667+/-0.074 χ^2/NDF: 1284007.6/15

Left Out: 510.143+/-0.104 χ^2/NDF:2153257.8/16

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 513.111+/-0.105 χ^2/NDF:1862280.7/15

Left: 511.609+/-0.074 χ^2/NDF: 4015942.4/32

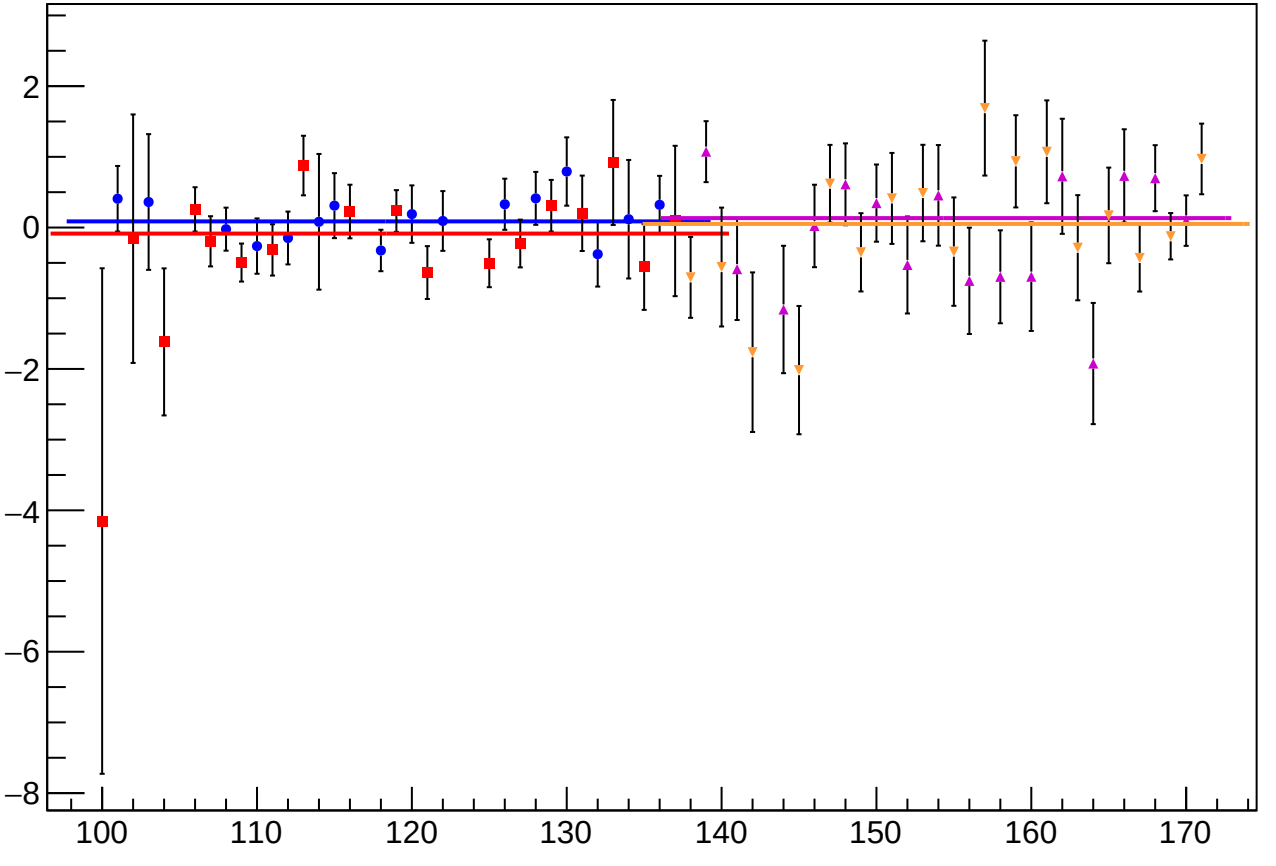
Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 347.502+/-0.061 χ^2/NDF:6874050.8/31

Out: 317.355+/-0.057 χ^2/NDF:9151824.2/34

All: 331.586+/-0.042 χ^2/NDF: 16156258.8/66

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: 0.133+/-0.149 χ^2/NDF:22.6/15

Left: 0.092+/-0.104 χ^2/NDF: 47.0/32

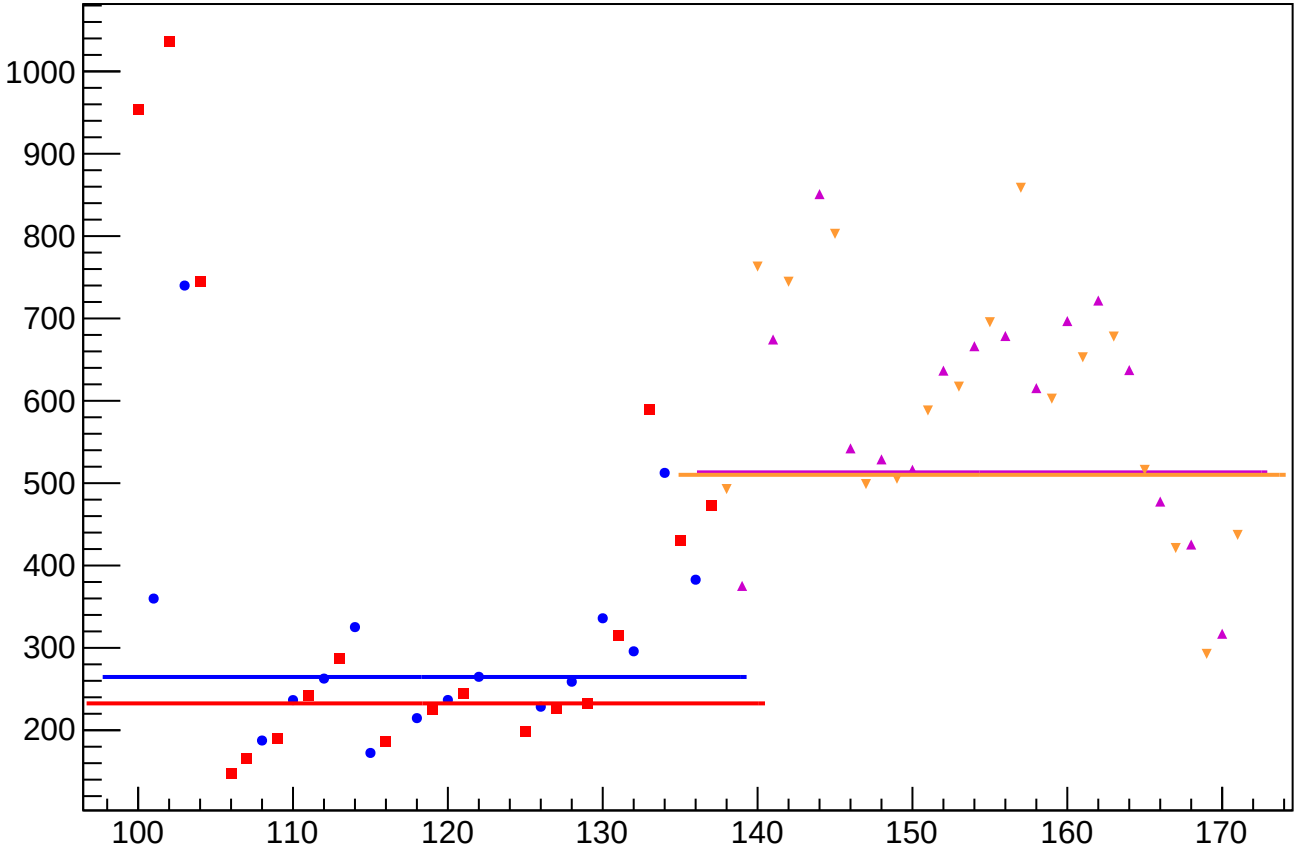
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.025+/-0.059 χ^2/NDF: 79.7/66

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: 513.111+/-0.105 χ^2/NDF:1862280.7/15

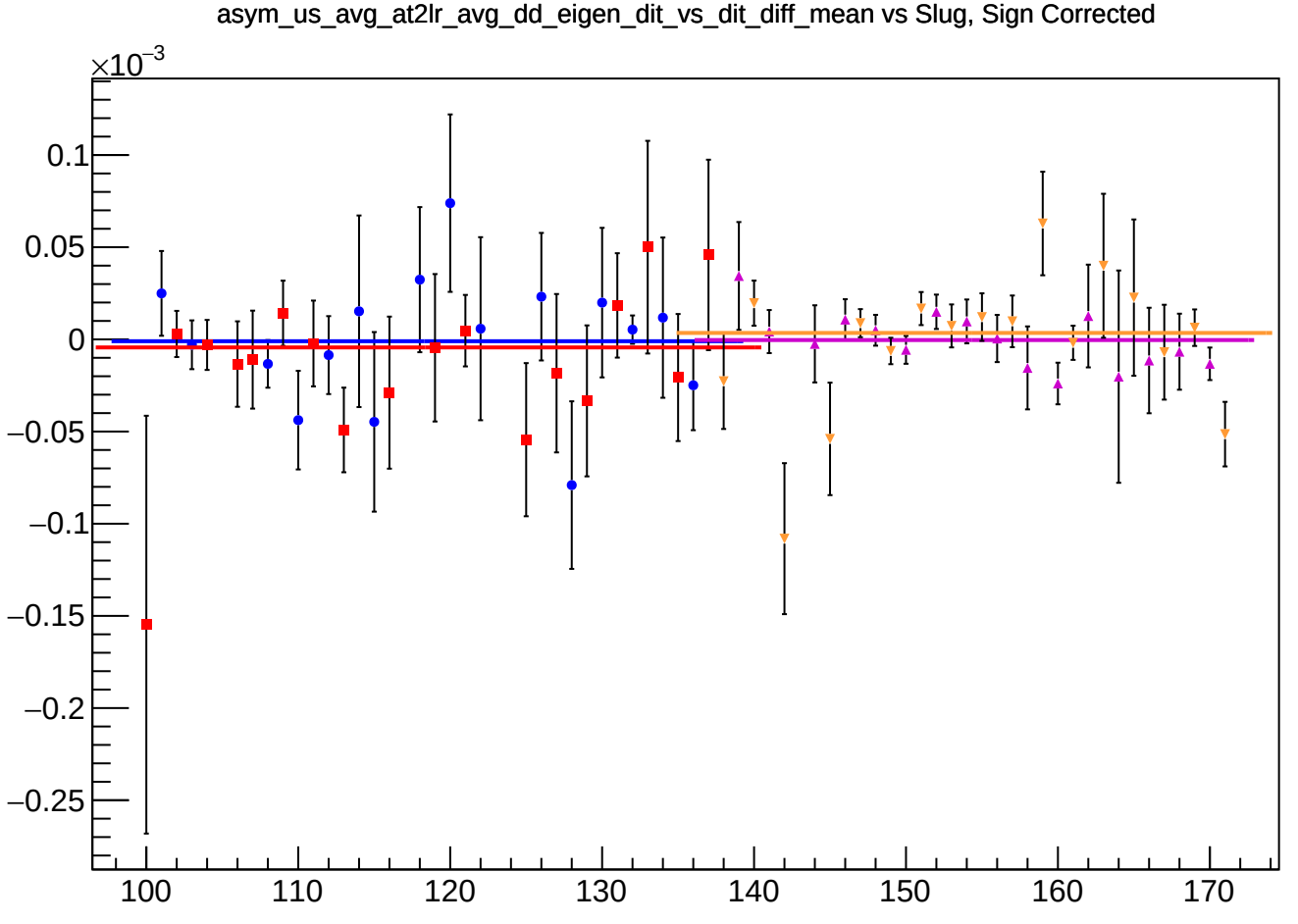
Left: 511.609+/-0.074 χ^2/NDF: 4015942.4/32

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 347.502+/-0.061 χ^2/NDF:6874050.8/31

Out: 317.355+/-0.057 χ^2/NDF:9151824.2/34

All: 331.586+/-0.042 χ^2/NDF: 16156258.8/66



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:14.4/15

Left: 0.000+/-0.000 χ^2/NDF: 50.2/32

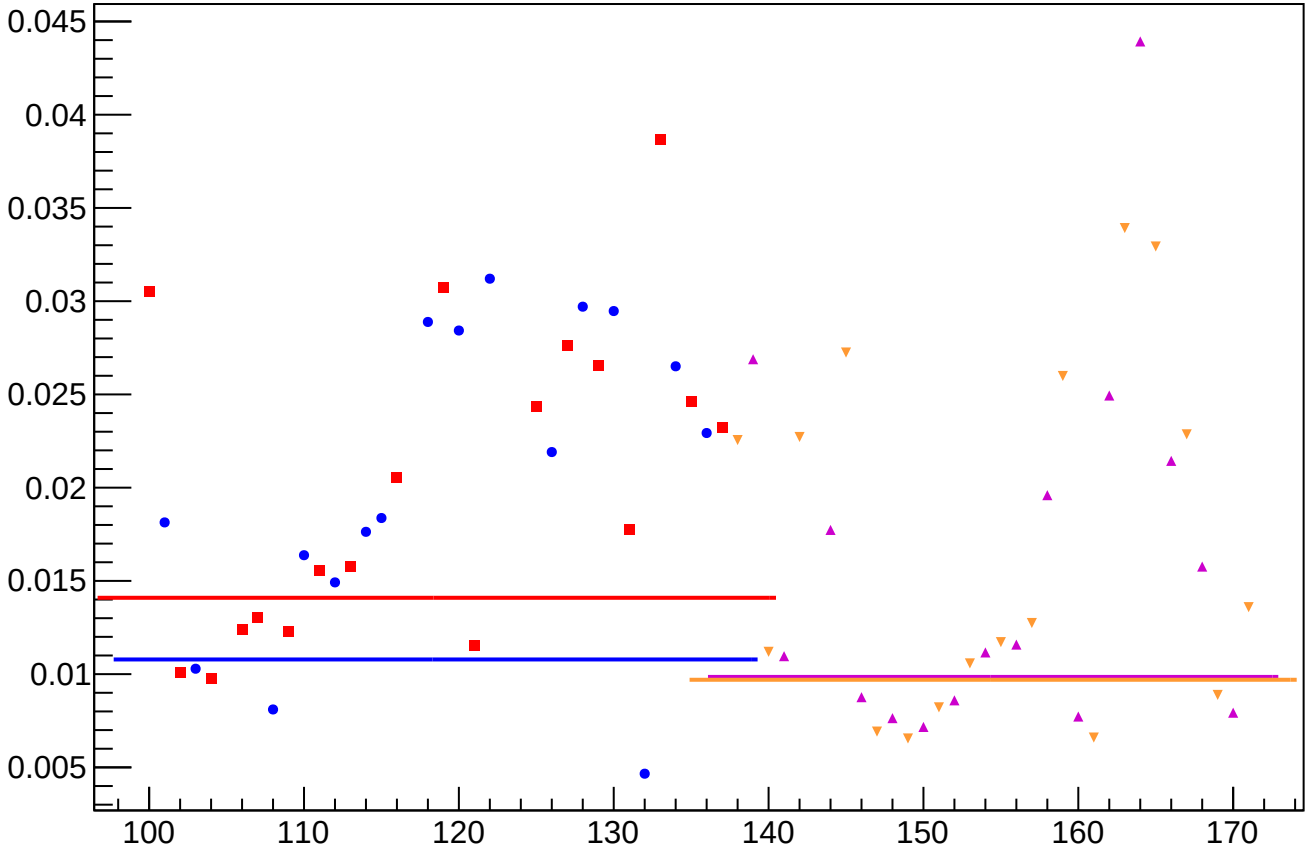
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:28.8/31

Out: 0.000+/-0.000 χ^2/NDF:49.0/34

All: 0.000+/-0.000 χ^2/NDF: 78.2/66

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:3807133.5/15

Left: 0.010+/-0.000 χ^2/NDF: 8960140.1/32

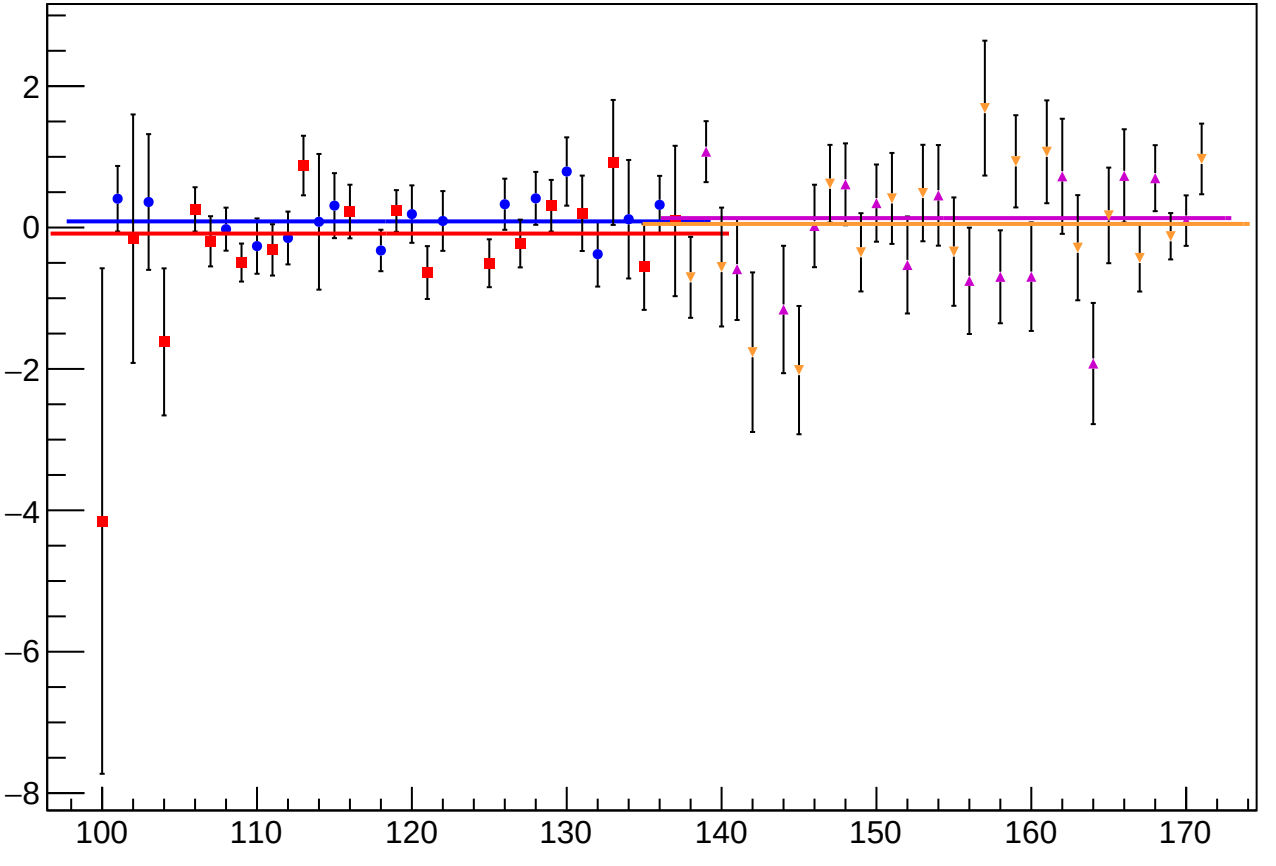
Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8438252.5/31

Out: 0.011+/-0.000 χ^2/NDF:8151295.9/34

All: 0.010+/-0.000 χ^2/NDF: 16633599.0/66

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: 0.133+/-0.149 χ^2/NDF:22.6/15

Left: 0.092+/-0.104 χ^2/NDF: 47.0/32

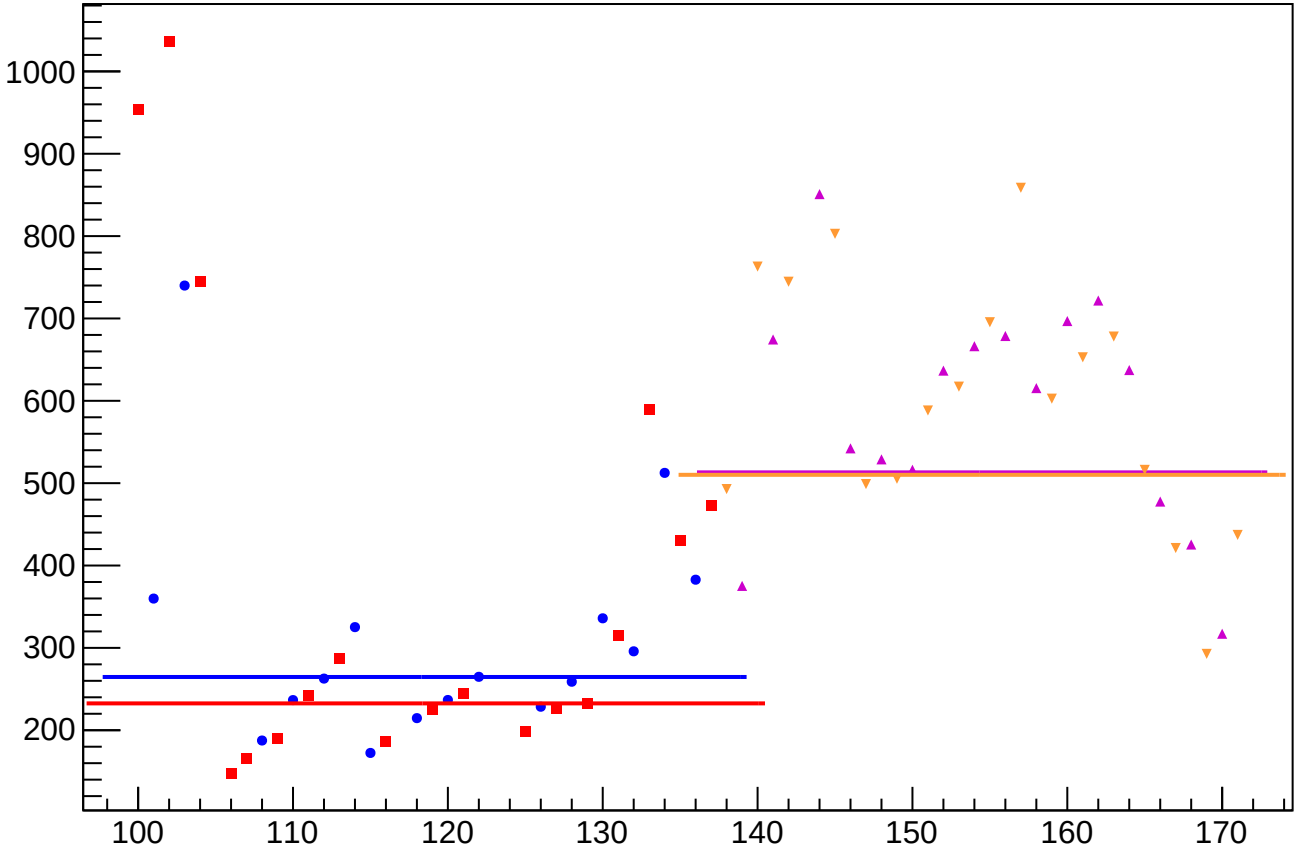
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.025+/-0.059 χ^2/NDF: 79.7/66

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: 513.117+/-0.105 χ^2/NDF:1862292.1/15

Left: 511.613+/-0.074 χ^2/NDF: 4016059.1/32

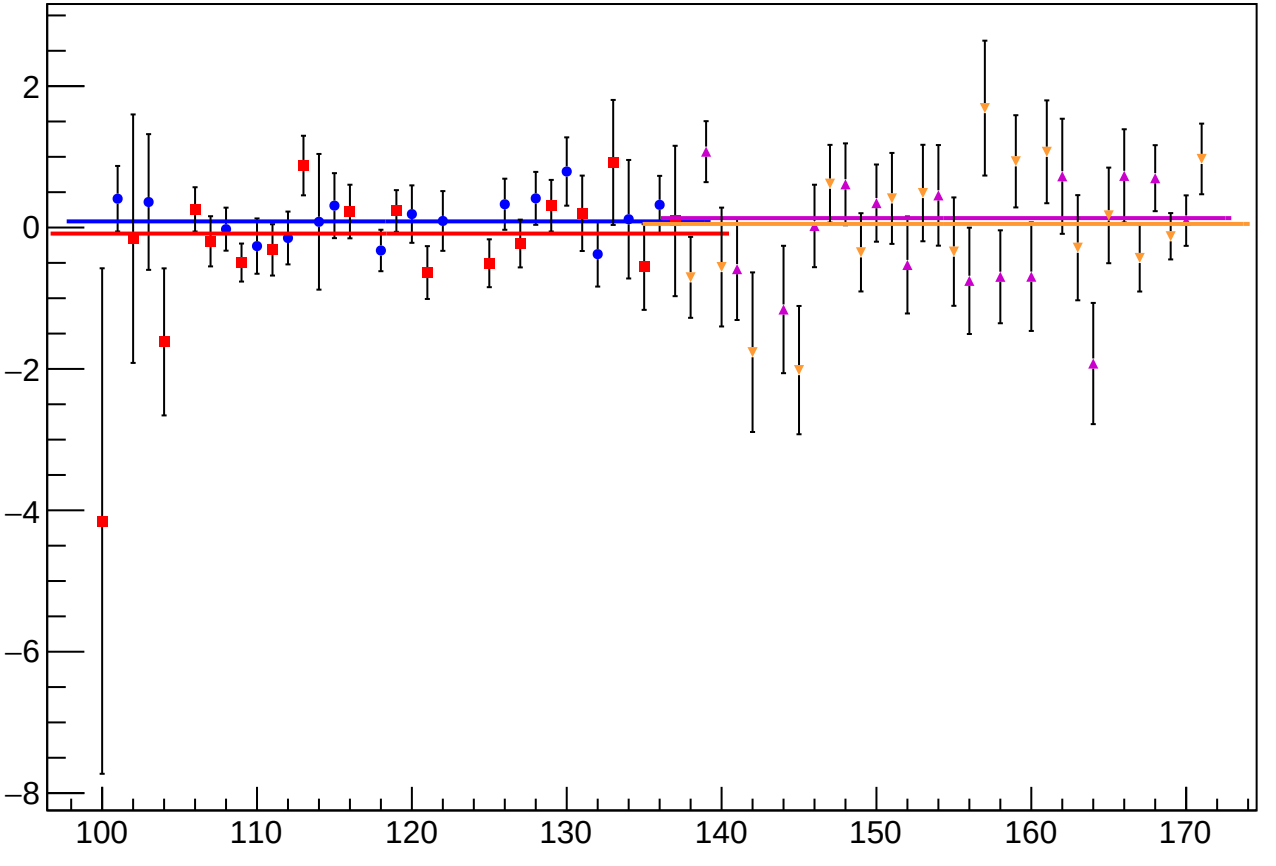
Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 347.503+/-0.061 χ^2/NDF:6874176.5/31

Out: 317.356+/-0.057 χ^2/NDF:9151933.3/34

All: 331.587+/-0.042 χ^2/NDF: 16156490.6/66

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.051+/-0.147 χ^2/NDF:24.3/16

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.133+/-0.149 χ^2/NDF:22.6/15

Left: 0.092+/-0.104 χ^2/NDF: 47.0/32

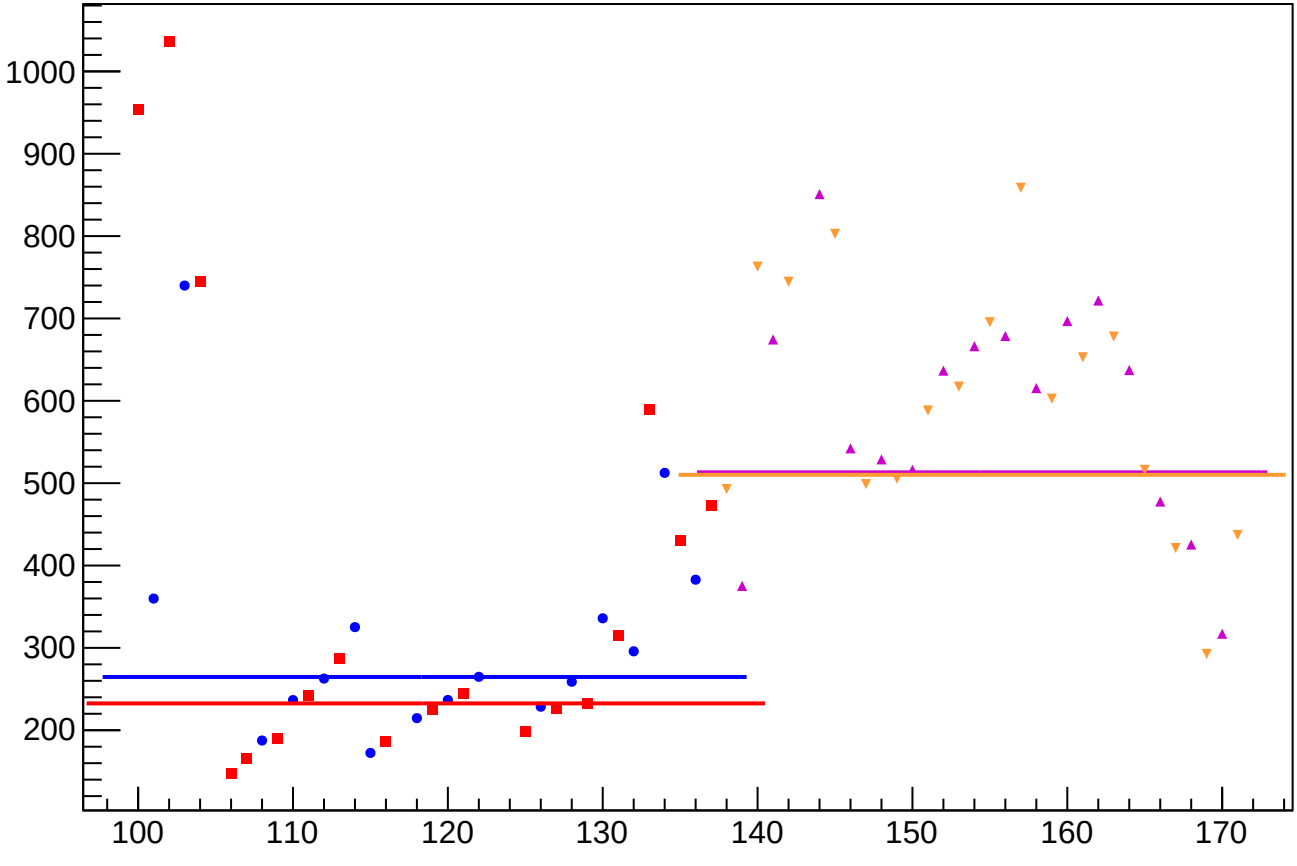
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.102+/-0.086 χ^2/NDF:31.5/31

Out: -0.044+/-0.081 χ^2/NDF:46.8/34

All: 0.025+/-0.059 χ^2/NDF: 79.7/66

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: 513.117+/-0.105 χ^2/NDF:1862292.1/15

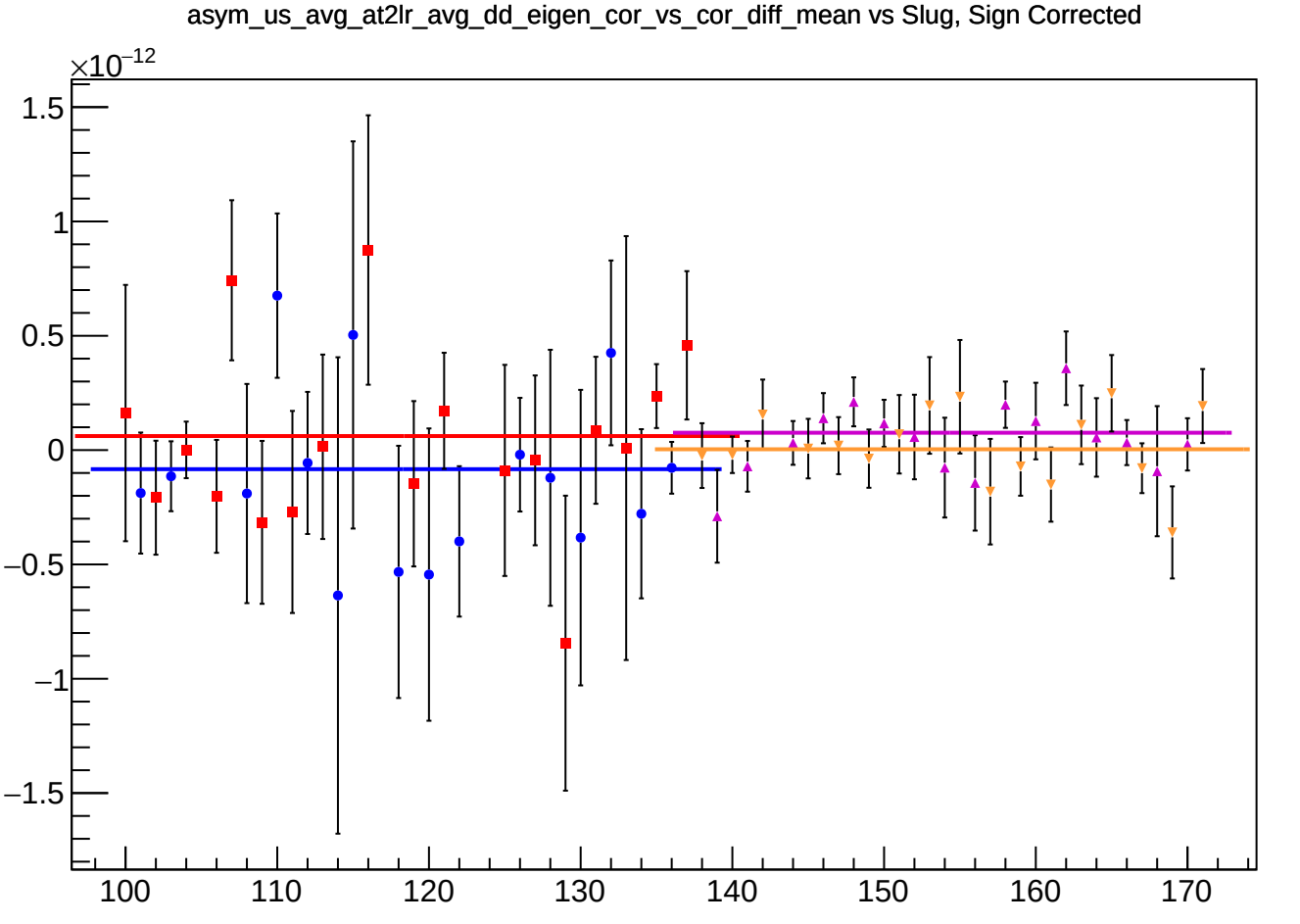
Left: 511.613+/-0.074 χ^2/NDF: 4016059.1/32

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 347.503+/-0.061 χ^2/NDF:6874176.5/31

Out: 317.356+/-0.057 χ^2/NDF:9151933.3/34

All: 331.587+/-0.042 χ^2/NDF: 16156490.6/66



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/16

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:14.3/15

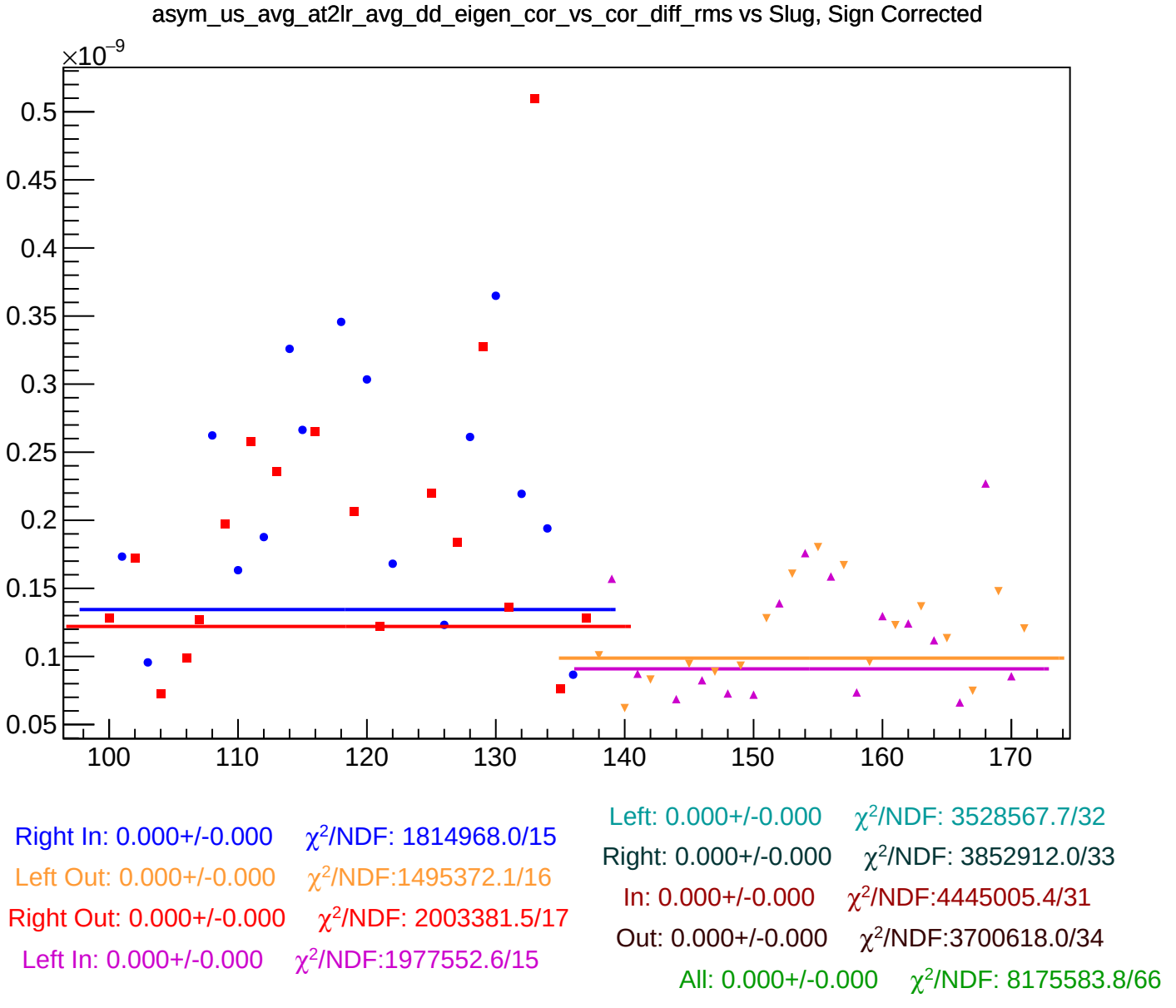
Left: 0.000+/-0.000 χ^2/NDF: 29.3/32

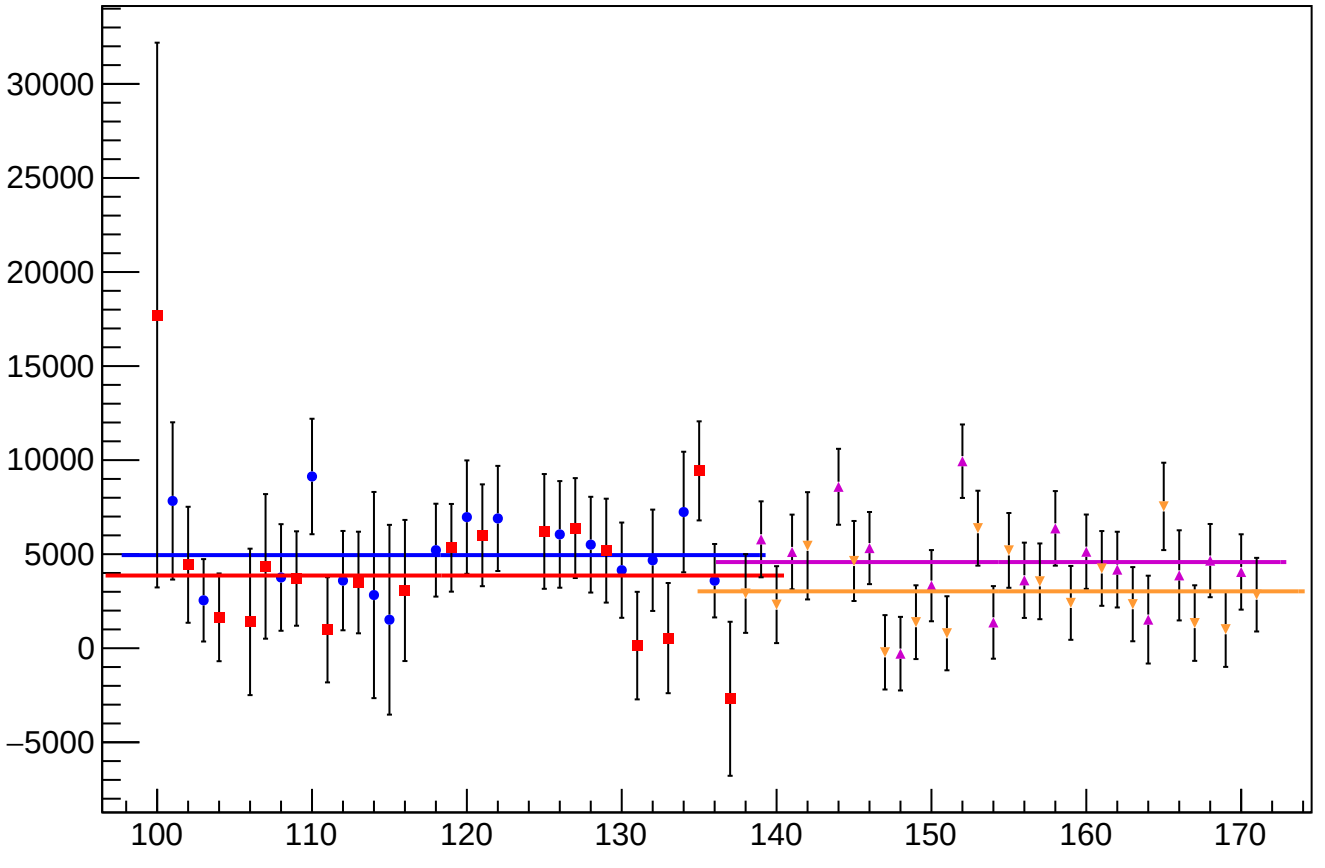
Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:28.4/31

Out: 0.000+/-0.000 χ^2/NDF:29.0/34

All: 0.000+/-0.000 χ^2/NDF: 58.0/66


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:1977552.6/15
Left: 0.000+/-0.000 χ²/NDF: 3528567.7/32
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4445005.4/31
Out: 0.000+/-0.000 χ²/NDF:3700618.0/34
All: 0.000+/-0.000 χ²/NDF: 8175583.8/66



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: 4580.483+/-502.187 χ^2/NDF:24.5/15

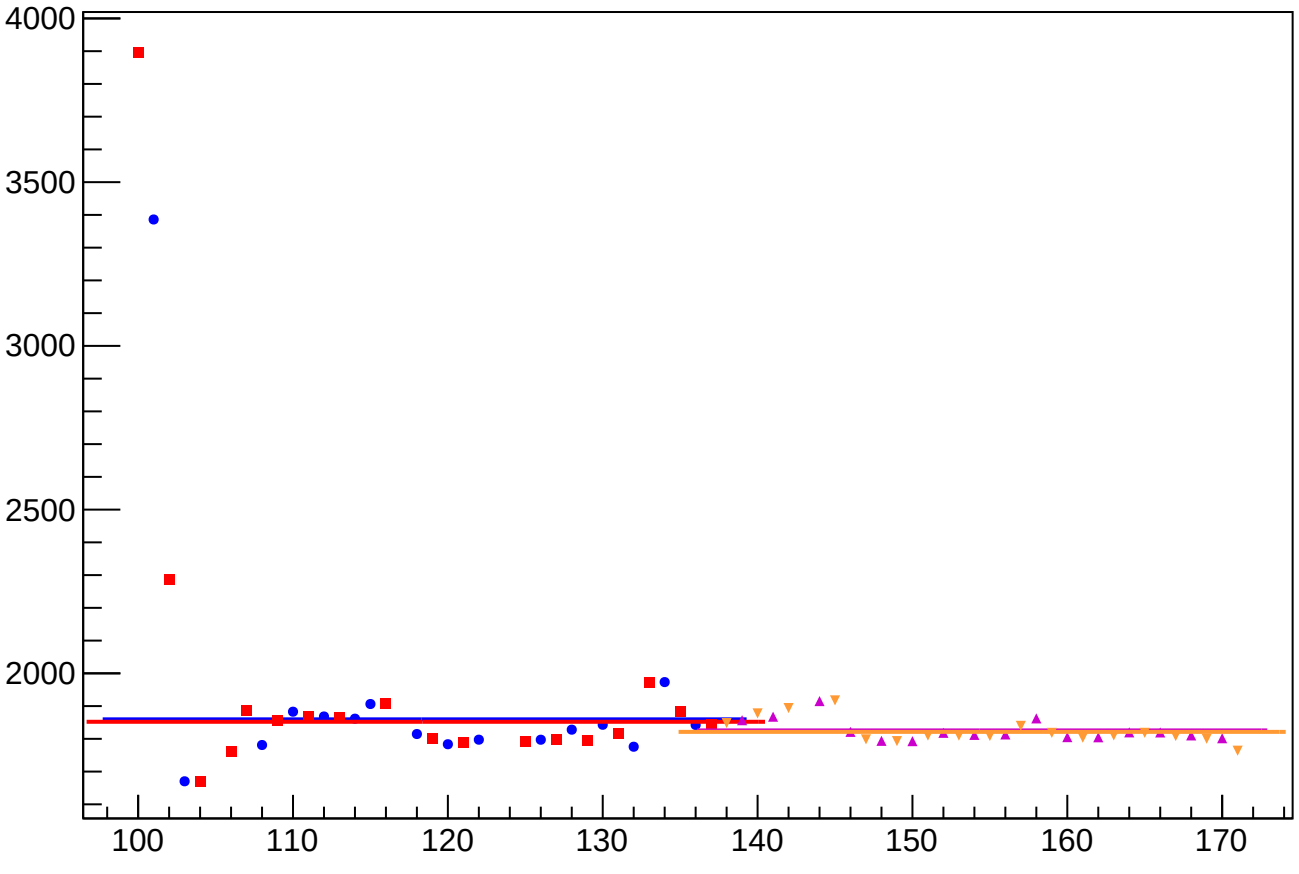
Left: 3794.174+/-353.199 χ^2/NDF: 45.6/32

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4706.404+/-407.832 χ^2/NDF:31.5/31

Out: 3308.385+/-404.343 χ^2/NDF:33.4/34

All: 4001.390+/-287.139 χ^2/NDF: 70.9/66



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: 1825.677+/-0.355 χ^2/NDF:8196.0/15

Left: 1823.449+/-0.250 χ^2/NDF: 18833.0/32

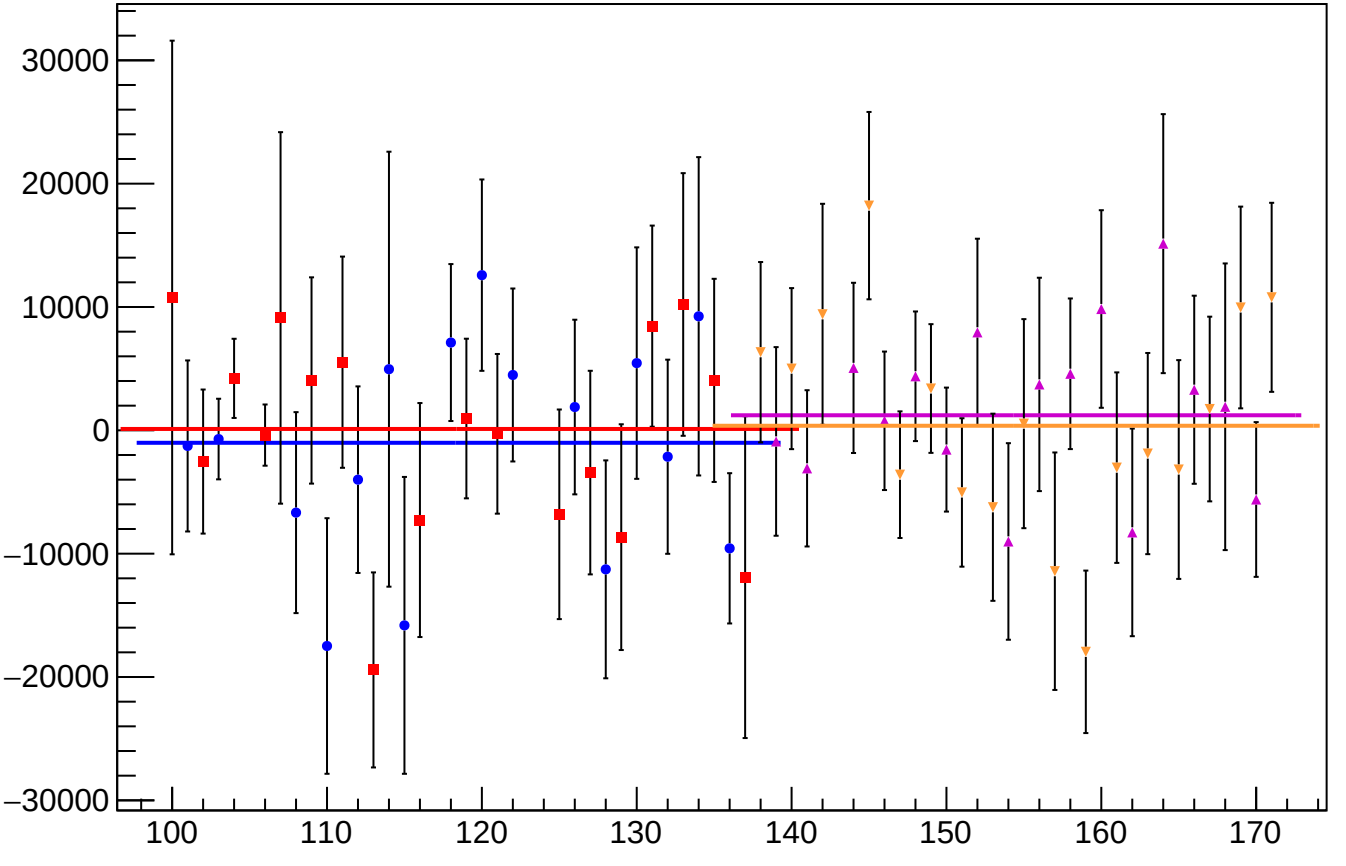
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1837.196+/-0.288 χ^2/NDF:303621.2/31

Out: 1831.710+/-0.286 χ^2/NDF:115377.2/34

All: 1834.427+/-0.203 χ^2/NDF: 419181.1/66

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1010.288+/-1764.180 χ^2/NDF: 14.7/15

Left Out: 370.773+/-1731.058 χ^2/NDF:23.1/16

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 1221.458+/-1733.957 χ^2/NDF:9.8/15

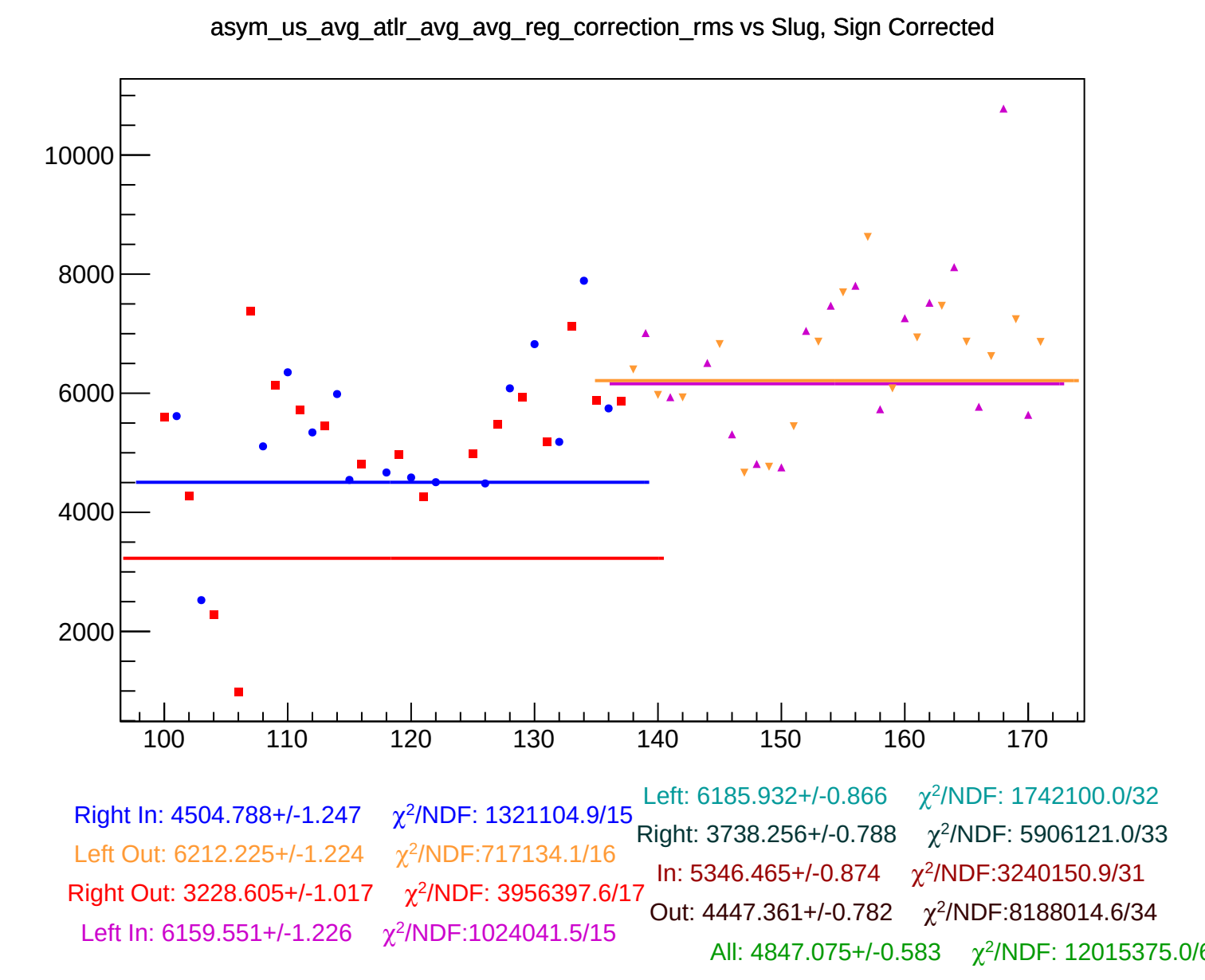
Left: 795.404+/-1225.067 χ^2/NDF: 33.0/32

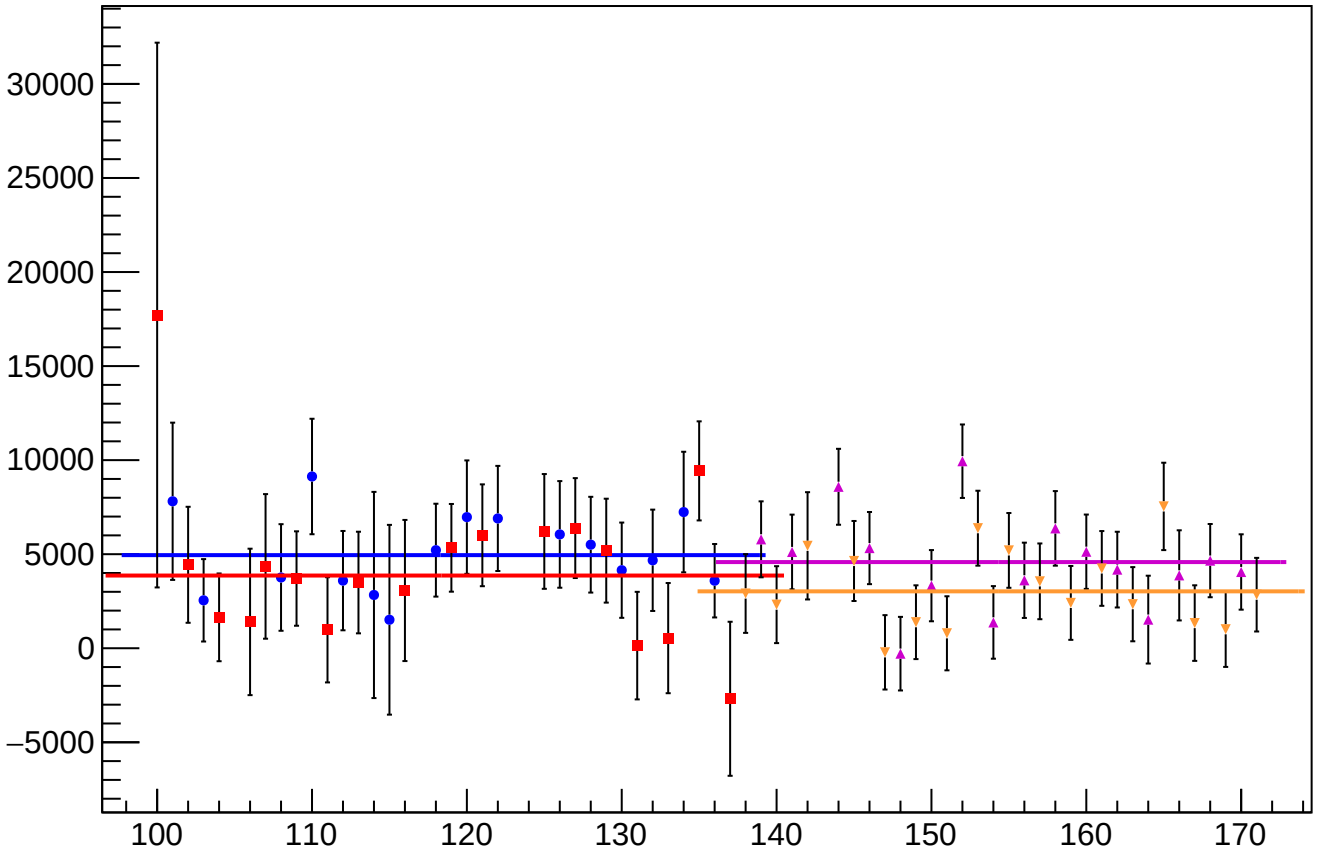
Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: 124.865+/-1236.640 χ^2/NDF:25.3/31

Out: 217.267+/-1106.364 χ^2/NDF:37.8/34

All: 176.188+/-824.543 χ^2/NDF: 63.1/66


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: 6159.551+/-1.226 χ²/NDF:1024041.5/15
Left: 6185.932+/-0.866 χ²/NDF: 1742100.0/32
Right: 3738.256+/-0.788 χ²/NDF: 5906121.0/33
In: 5346.465+/-0.874 χ²/NDF:3240150.9/31
Out: 4447.361+/-0.782 χ²/NDF:8188014.6/34
All: 4847.075+/-0.583 χ²/NDF: 12015375.0/6



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: 4580.559+/-502.187 χ^2/NDF:24.5/15

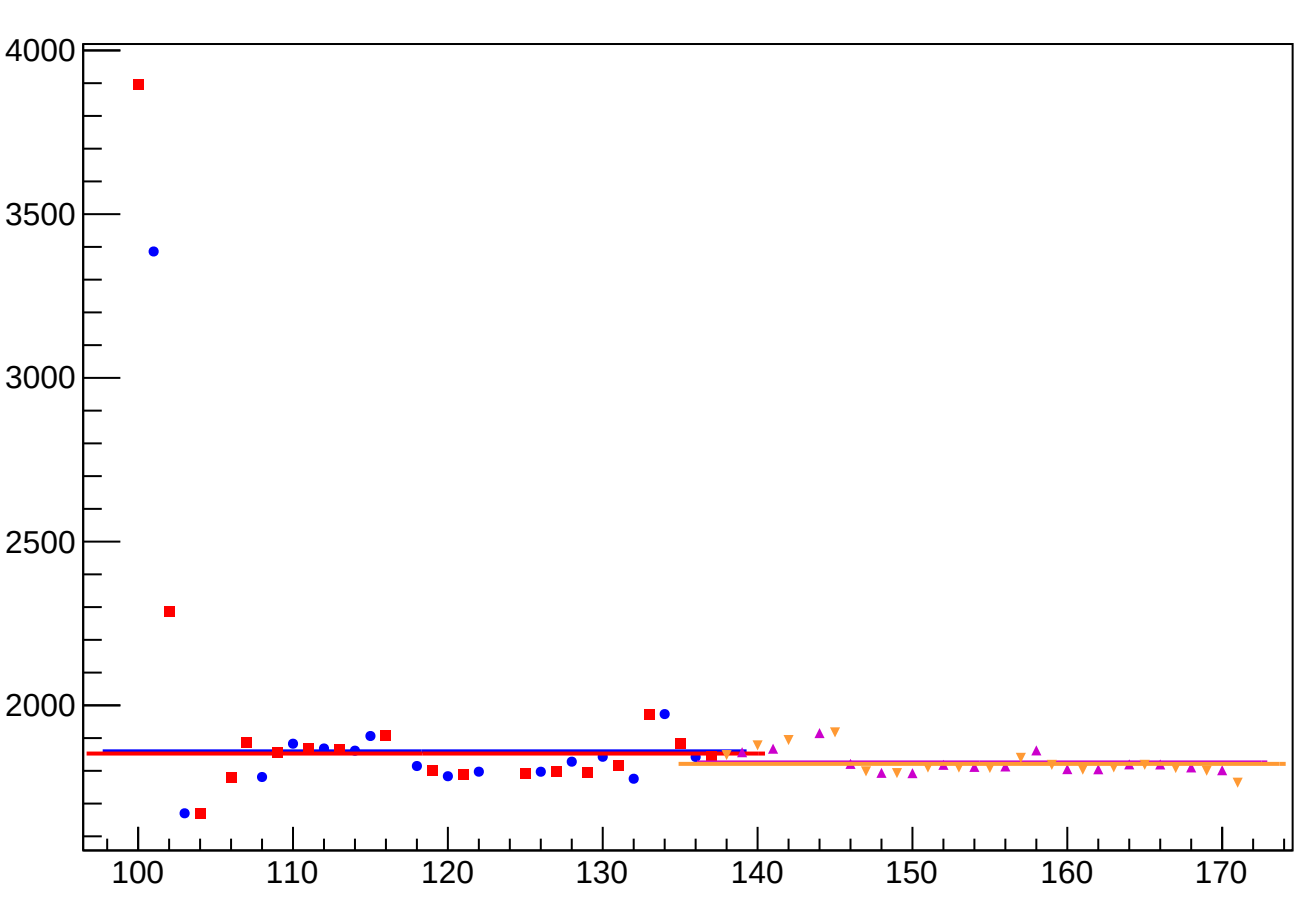
Left: 3794.159+/-353.199 χ^2/NDF: 45.6/32

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4706.290+/-407.832 χ^2/NDF:31.5/31

Out: 3308.244+/-404.343 χ^2/NDF:33.4/34

All: 4001.262+/-287.139 χ^2/NDF: 70.9/66



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1821.267+/-0.351 χ^2/NDF:10559.0/16

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1825.677+/-0.355 χ^2/NDF:8196.0/15

Left: 1823.449+/-0.250 χ^2/NDF: 18833.0/32

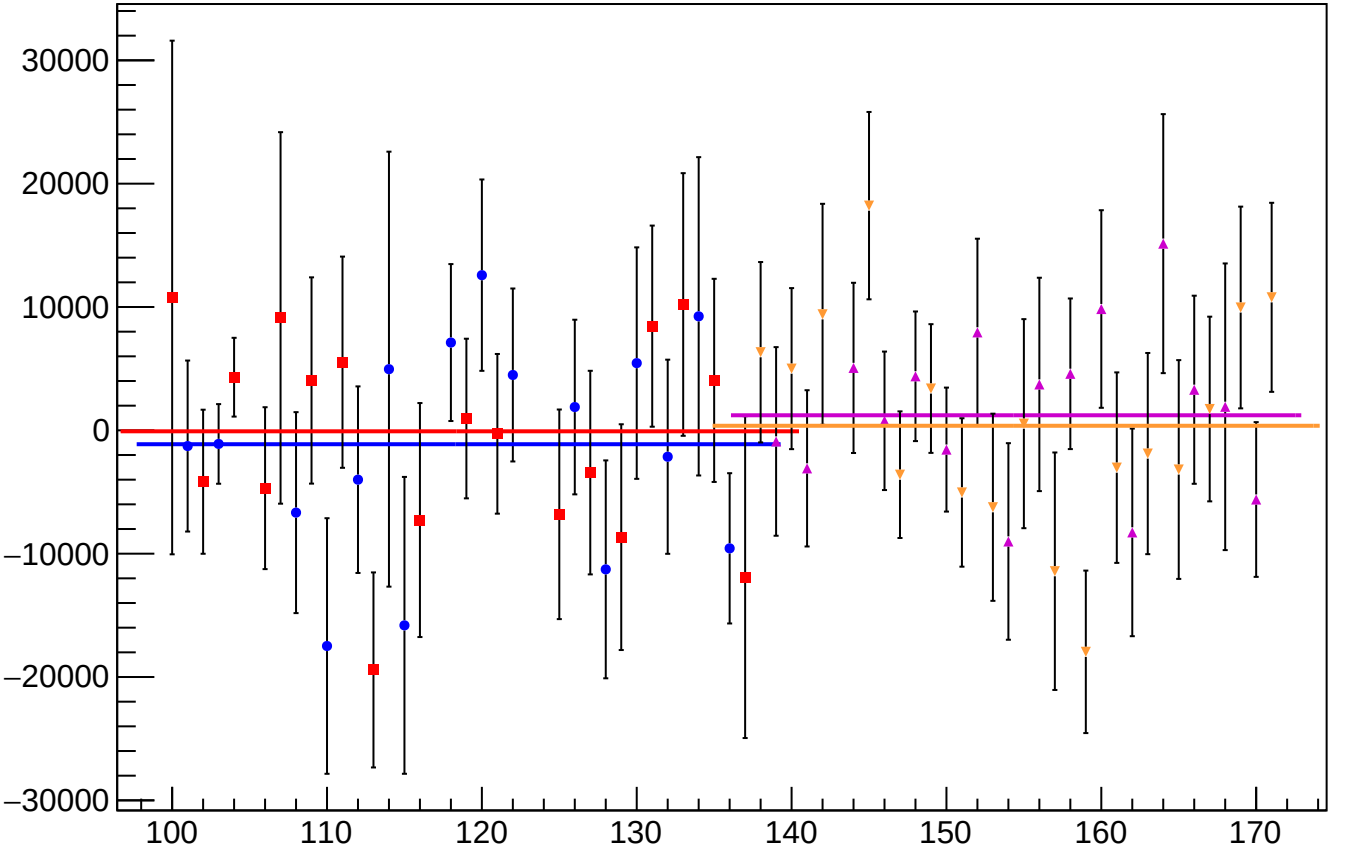
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1837.196+/-0.288 χ^2/NDF:303623.1/31

Out: 1831.945+/-0.286 χ^2/NDF:115034.8/34

All: 1834.546+/-0.203 χ^2/NDF: 418825.3/66

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 370.709+/-1731.056 χ^2/NDF:23.1/16

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 1221.579+/-1733.957 χ^2/NDF:9.8/15

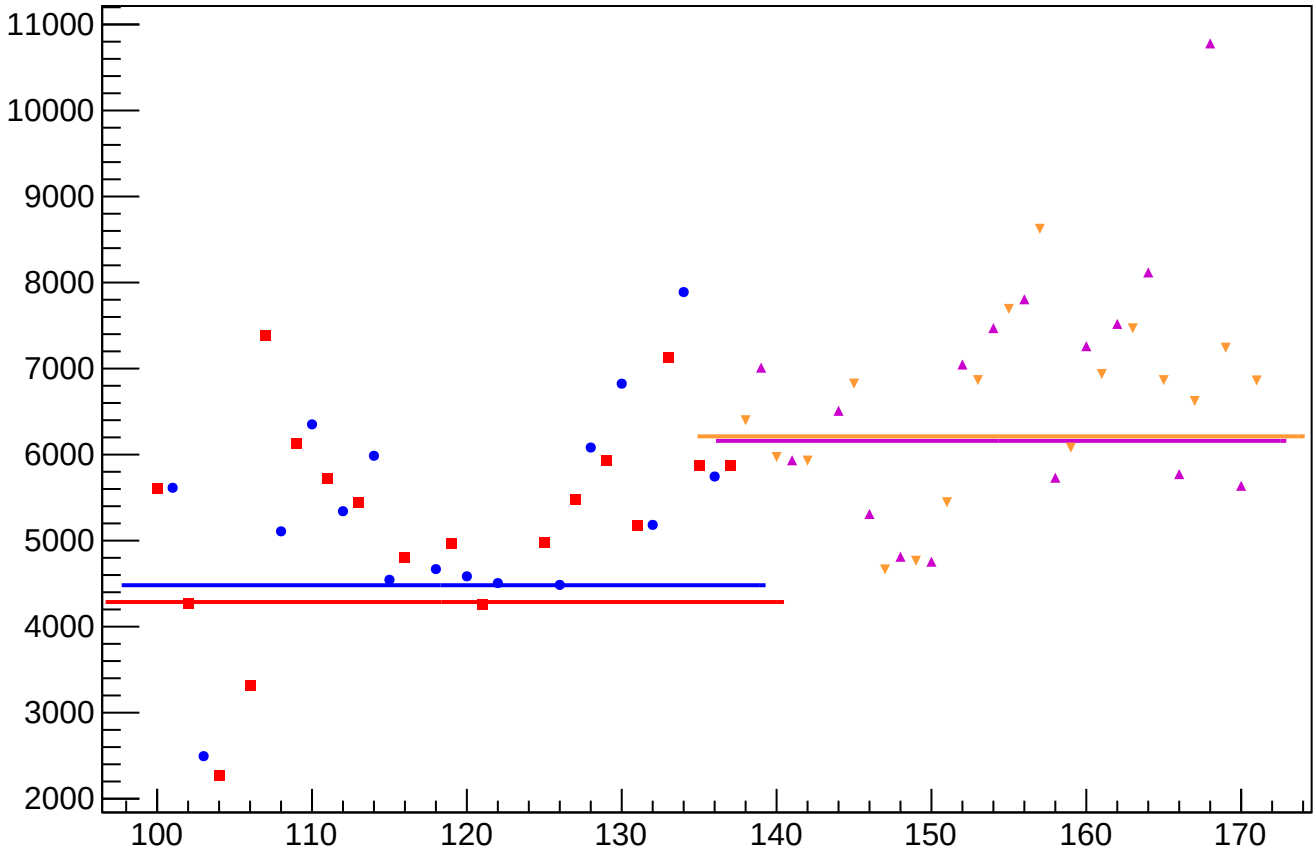
Left: 795.432+/-1225.066 χ^2/NDF: 33.0/32

Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 64.083+/-1234.462 χ^2/NDF:25.4/31

Out: 142.478+/-1213.799 χ^2/NDF:38.7/34

All: 103.942+/-865.499 χ^2/NDF: 64.1/66



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: 6159.548+/-1.226 χ^2/NDF:1024050.1/15

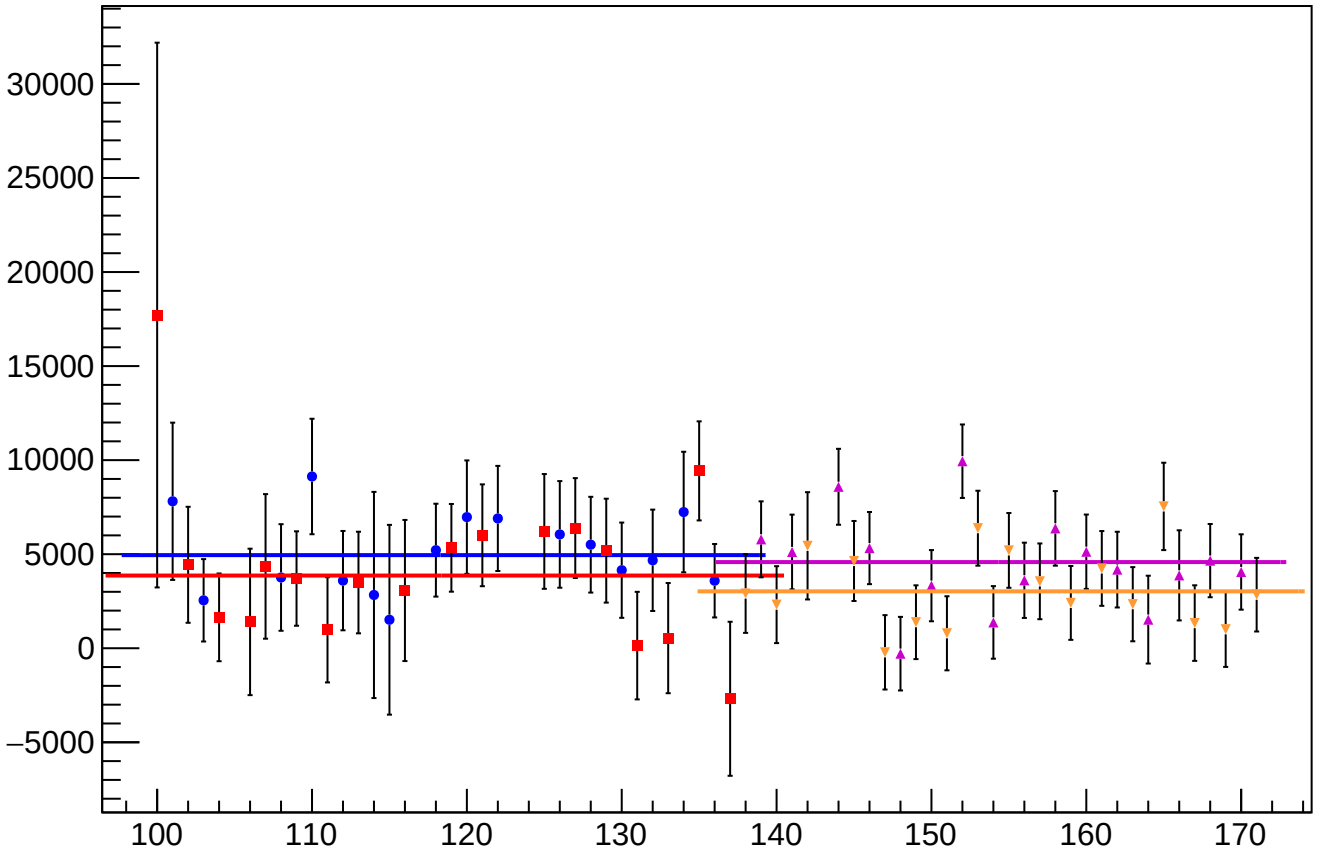
Left: 6185.927+/-0.866 χ^2/NDF: 1742114.8/32

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5332.027+/-0.873 χ^2/NDF:3310008.0/31

Out: 5233.122+/-0.858 χ^2/NDF:3525658.4/34

All: 5281.740+/-0.612 χ^2/NDF: 6842194.0/66



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: 4580.559+/-502.187 χ^2/NDF:24.5/15

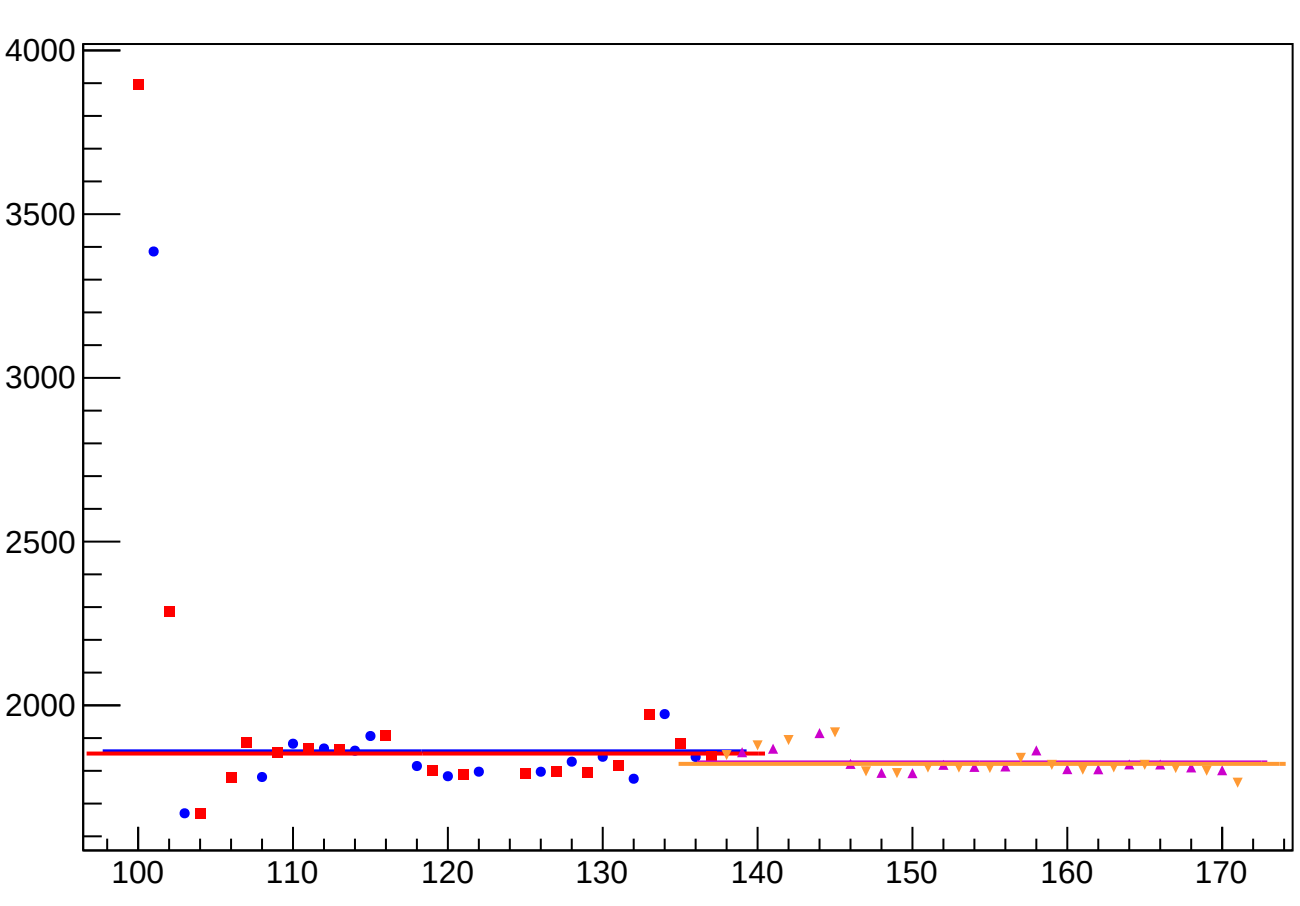
Left: 3794.159+/-353.199 χ^2/NDF: 45.6/32

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4706.290+/-407.832 χ^2/NDF:31.5/31

Out: 3308.244+/-404.343 χ^2/NDF:33.4/34

All: 4001.262+/-287.139 χ^2/NDF: 70.9/66



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1821.267+/-0.351 χ^2/NDF:10559.0/16

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1825.677+/-0.355 χ^2/NDF:8196.0/15

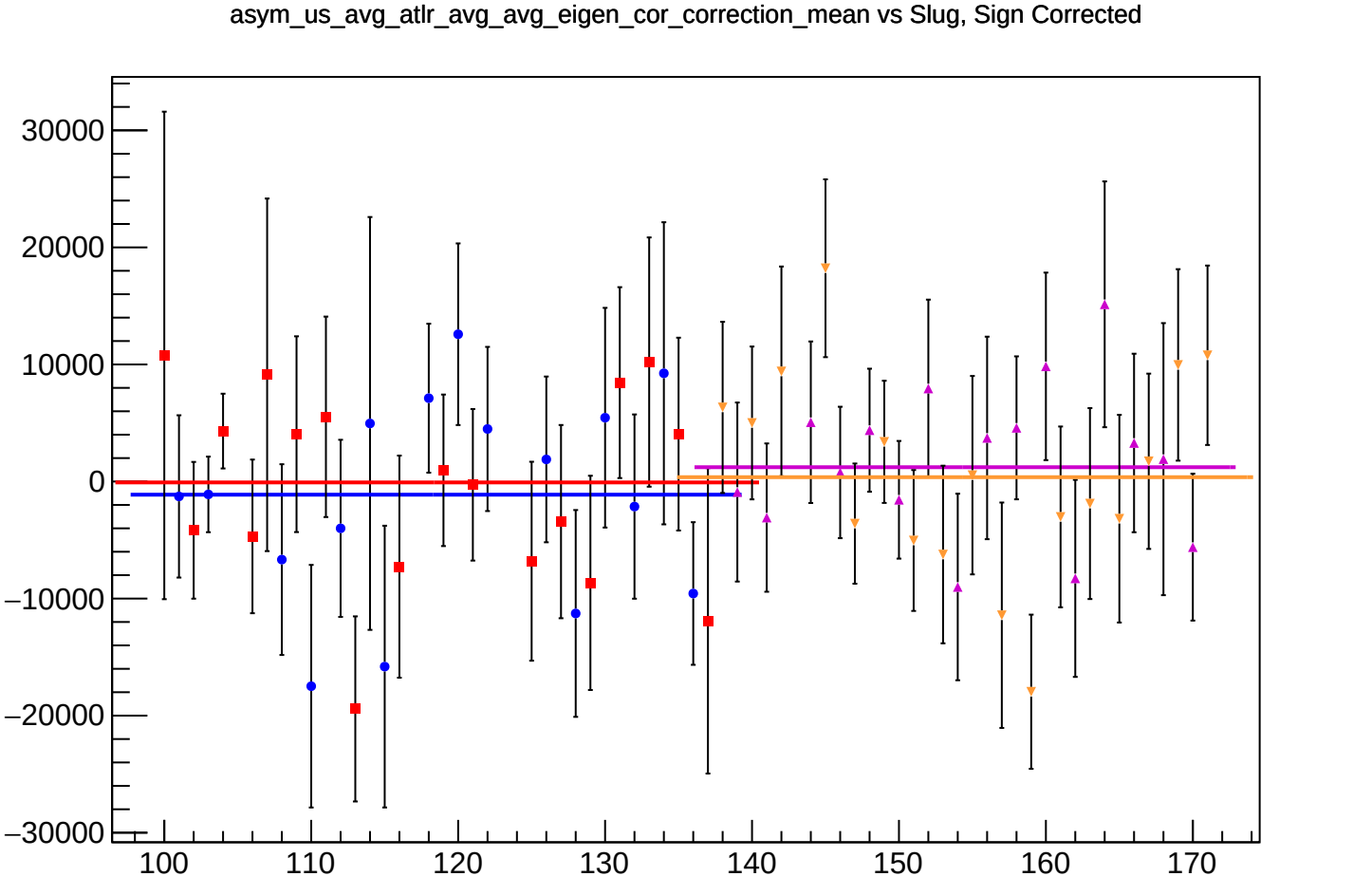
Left: 1823.449+/-0.250 χ^2/NDF: 18833.0/32

Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1837.196+/-0.288 χ^2/NDF:303623.1/31

Out: 1831.945+/-0.286 χ^2/NDF:115034.8/34

All: 1834.546+/-0.203 χ^2/NDF: 418825.3/66



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: 1221.579+/-1733.957 χ^2/NDF:9.8/15

Left: 795.432+/-1225.066 χ^2/NDF: 33.0/32

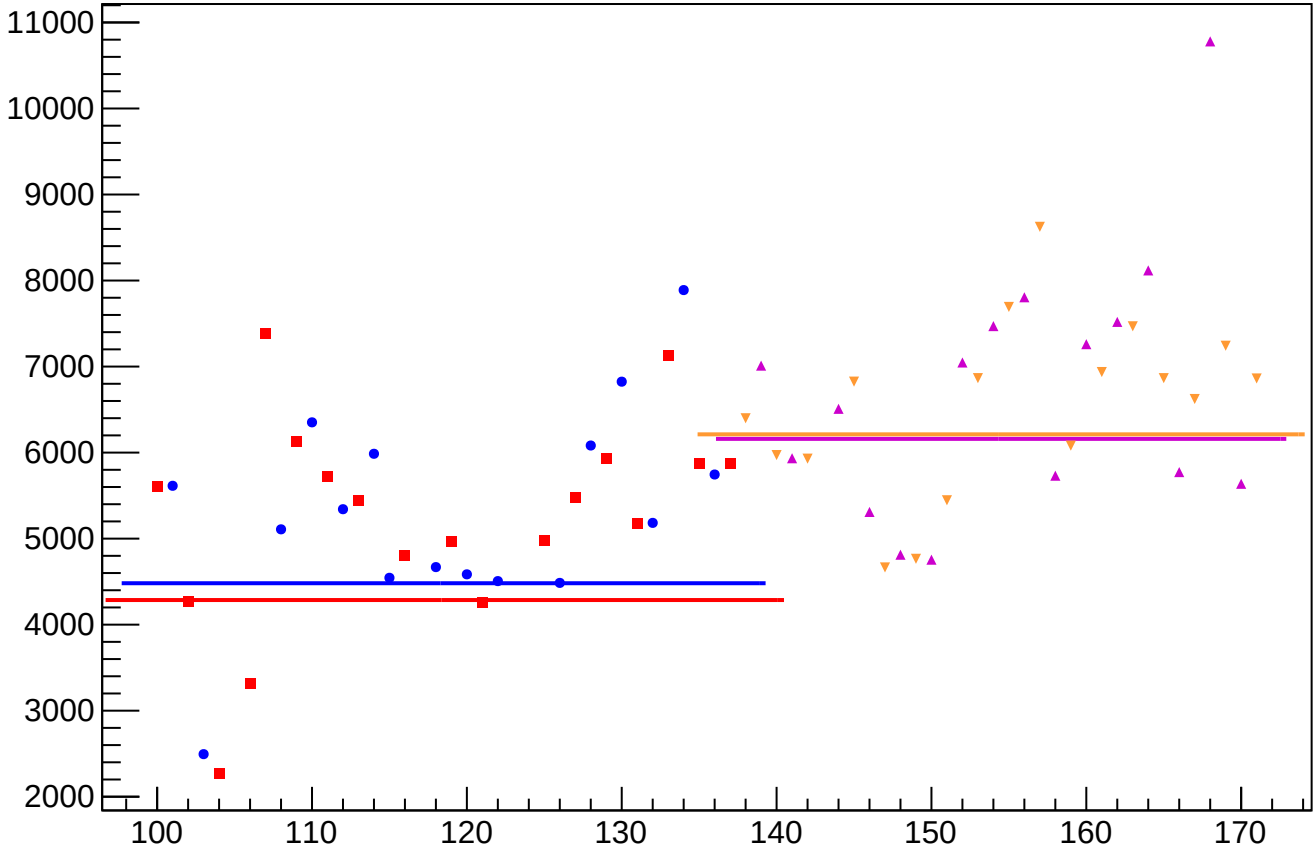
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: 64.083+/-1234.462 χ^2/NDF:25.4/31

Out: 142.478+/-1213.799 χ^2/NDF:38.7/34

All: 103.942+/-865.499 χ^2/NDF: 64.1/66

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: 6159.548+/-1.226 χ^2/NDF:1024050.1/15

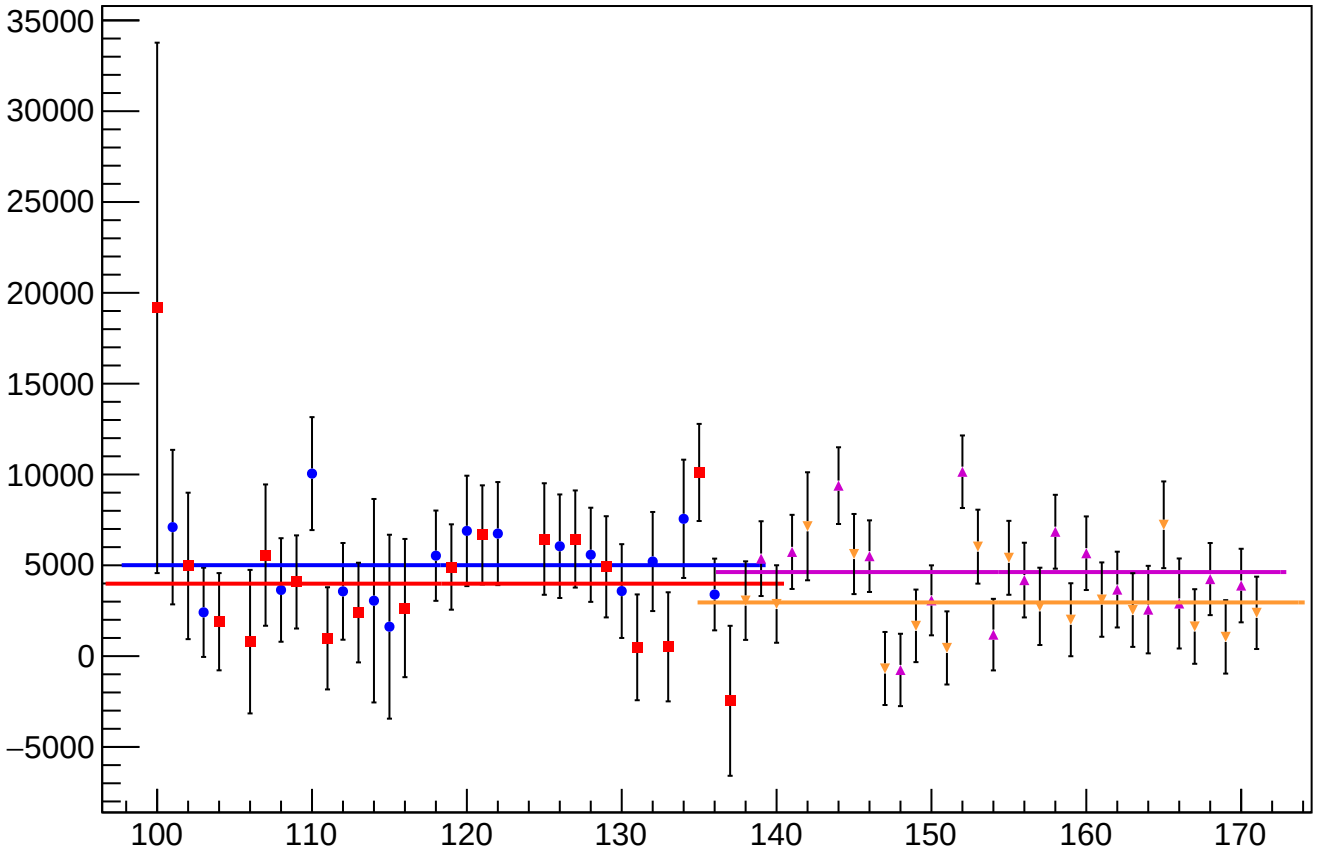
Left: 6185.927+/-0.866 χ^2/NDF: 1742114.8/32

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5332.027+/-0.873 χ^2/NDF:3310008.0/31

Out: 5233.122+/-0.858 χ^2/NDF:3525658.4/34

All: 5281.740+/-0.612 χ^2/NDF: 6842194.0/66



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: 4627.979+/-514.863 χ^2/NDF:27.5/15

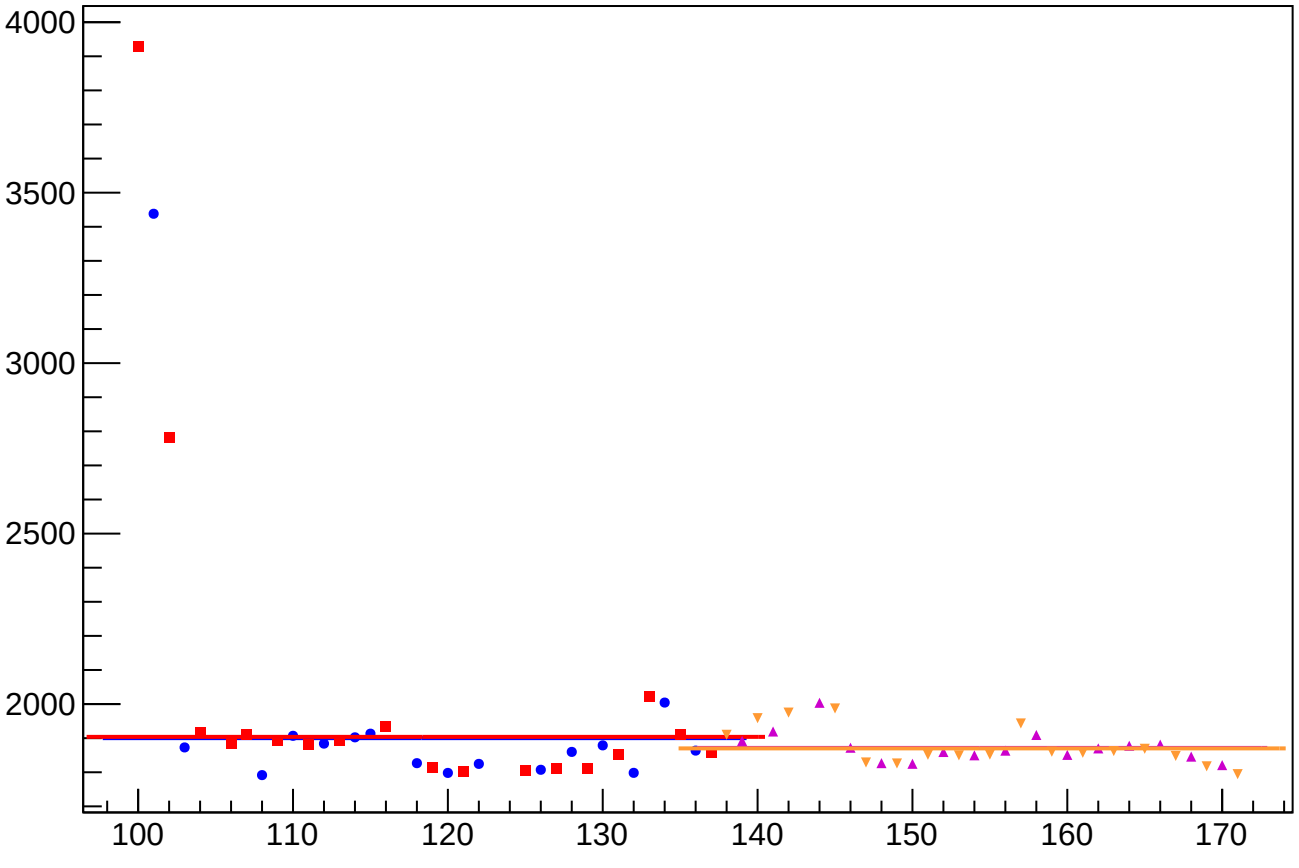
Left: 3784.304+/-362.447 χ^2/NDF: 50.1/32

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4757.734+/-417.624 χ^2/NDF:35.3/31

Out: 3301.739+/-416.159 χ^2/NDF:36.0/34

All: 4027.178+/-294.785 χ^2/NDF: 77.5/66



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: 1871.381+/-0.364 χ^2/NDF:14206.3/15

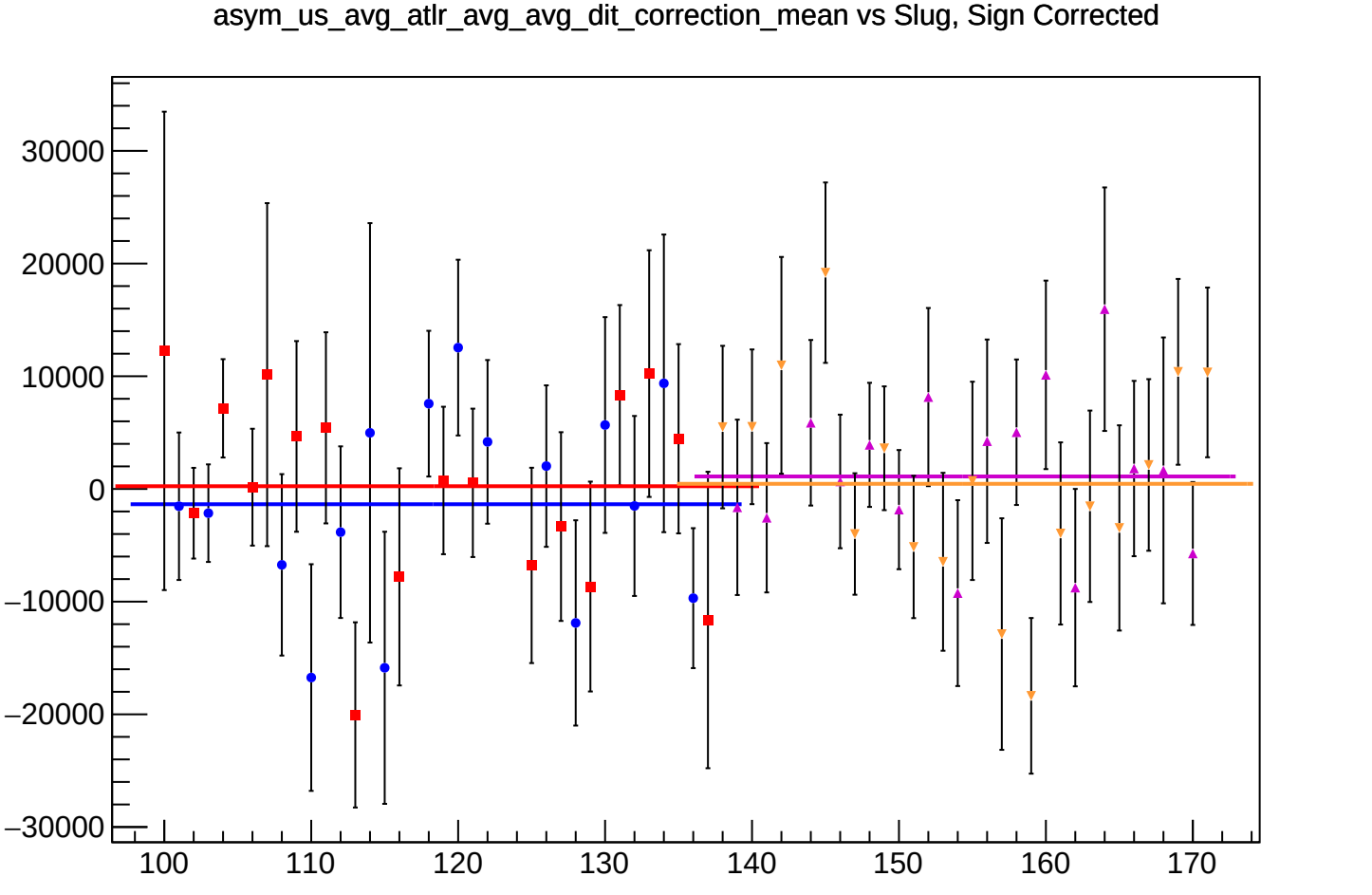
Left: 1870.696+/-0.256 χ^2/NDF: 35827.9/32

Right: 1901.958+/-0.358 χ^2/NDF: 428591.0/33

In: 1881.208+/-0.295 χ^2/NDF:294784.9/31

Out: 1881.364+/-0.294 χ^2/NDF:174674.2/34

All: 1881.286+/-0.208 χ^2/NDF: 469459.2/66



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: 1108.192+/-1806.235 χ^2/NDF:9.8/15

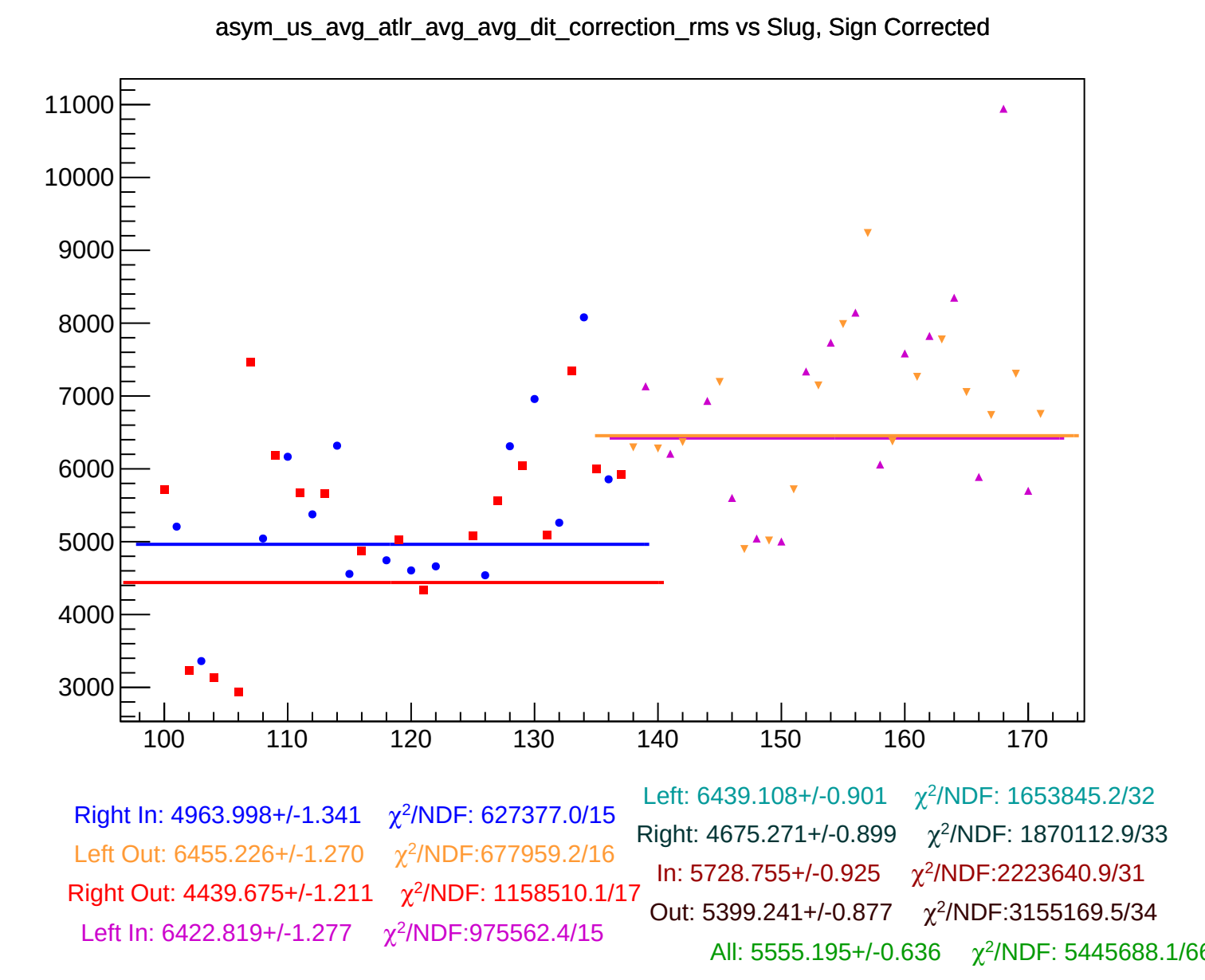
Left: 779.234+/-1273.805 χ^2/NDF: 33.0/32

Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -64.491+/-1307.781 χ^2/NDF:25.4/31

Out: 342.367+/-1239.676 χ^2/NDF:38.9/34

All: 149.807+/-899.697 χ^2/NDF: 64.3/66


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
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120
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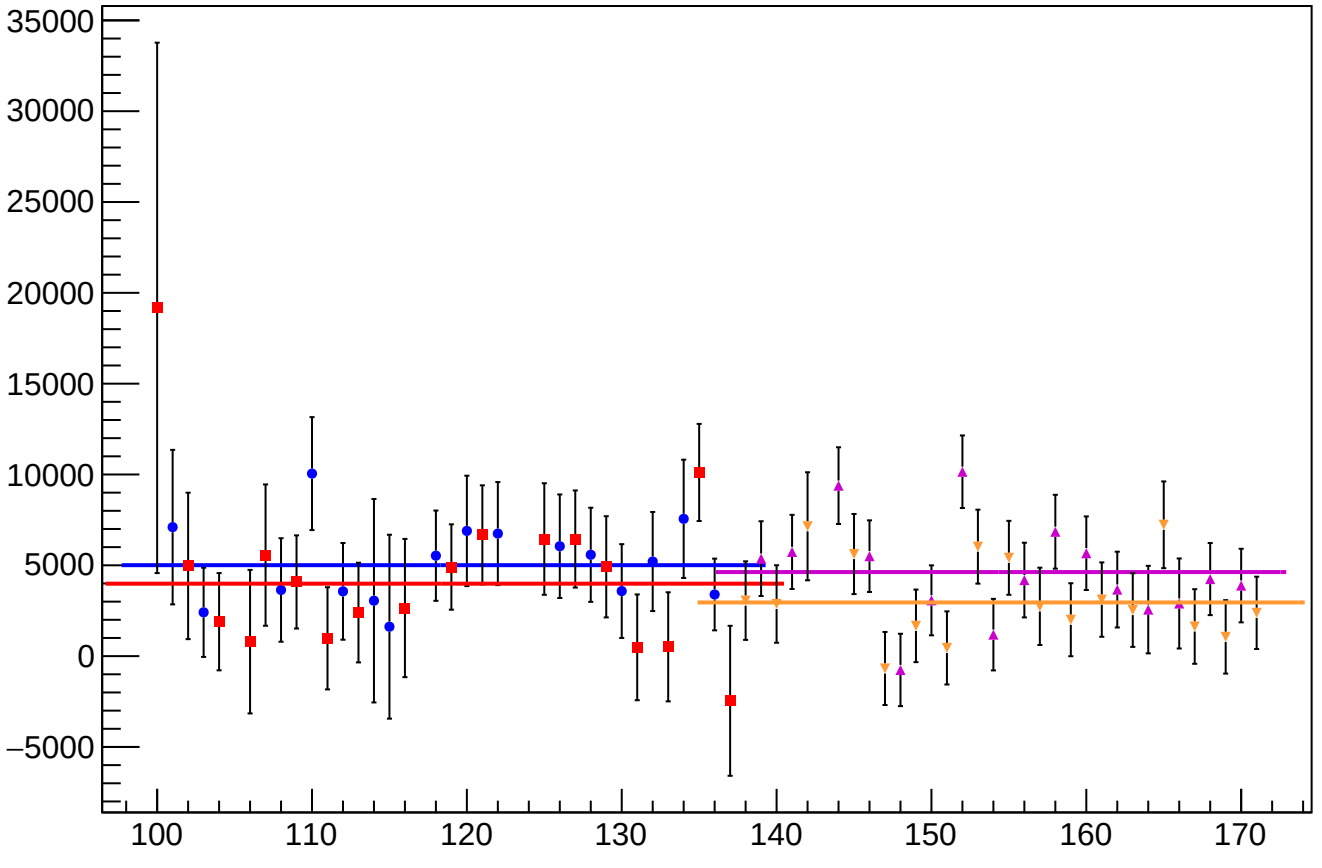
160
170
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6455.226+/-1.270 χ²/NDF:677959.2/16
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6422.819+/-1.277 χ²/NDF:975562.4/15
Left: 6439.108+/-0.901 χ²/NDF: 1653845.2/32
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5728.755+/-0.925 χ²/NDF:2223640.9/31
Out: 5399.241+/-0.877 χ²/NDF:3155169.5/34
All: 5555.195+/-0.636 χ²/NDF: 5445688.1/66



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: 4627.982+/-514.864 χ^2/NDF:27.5/15

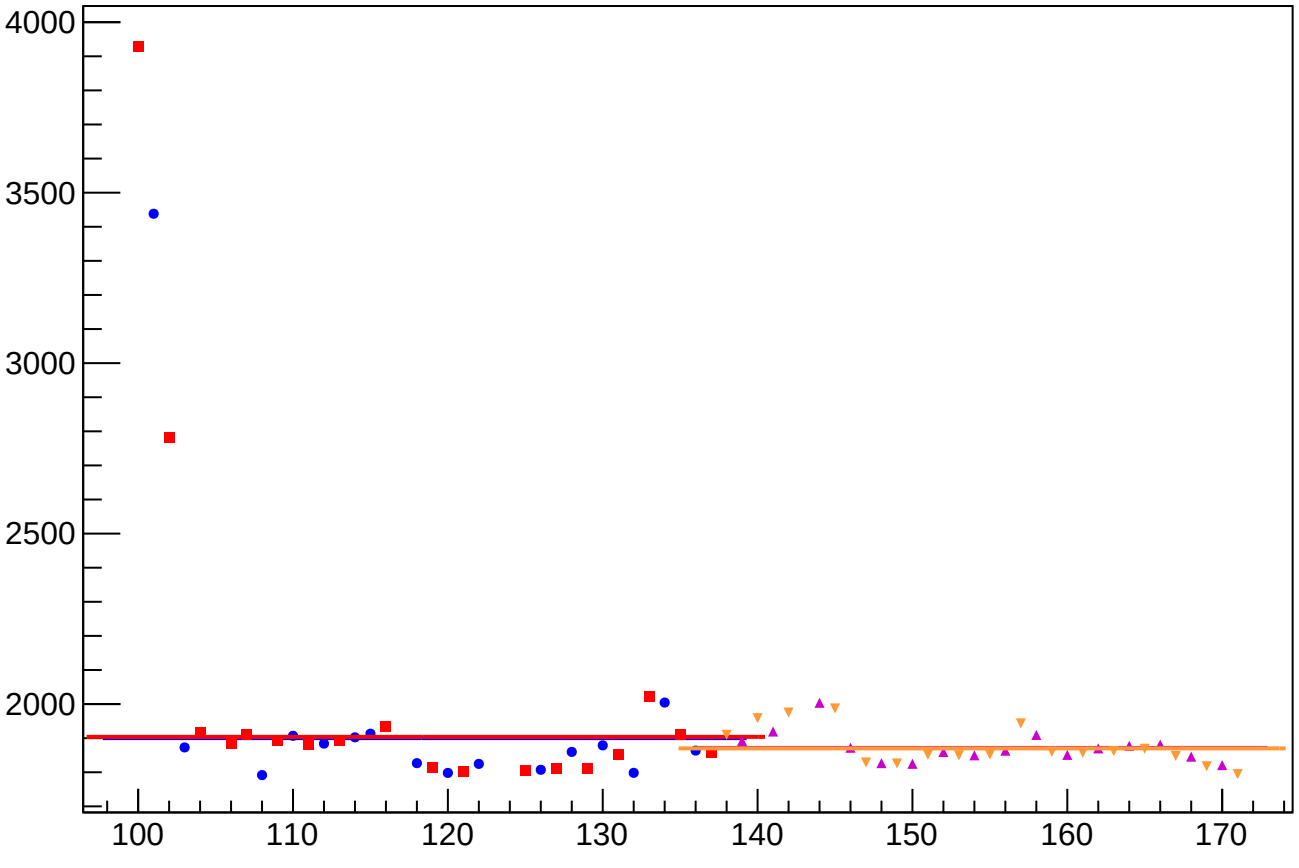
Left: 3784.302+/-362.447 χ^2/NDF: 50.1/32

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4757.736+/-417.624 χ^2/NDF:35.3/31

Out: 3301.735+/-416.159 χ^2/NDF:36.0/34

All: 4027.176+/-294.786 χ^2/NDF: 77.5/66


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
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160
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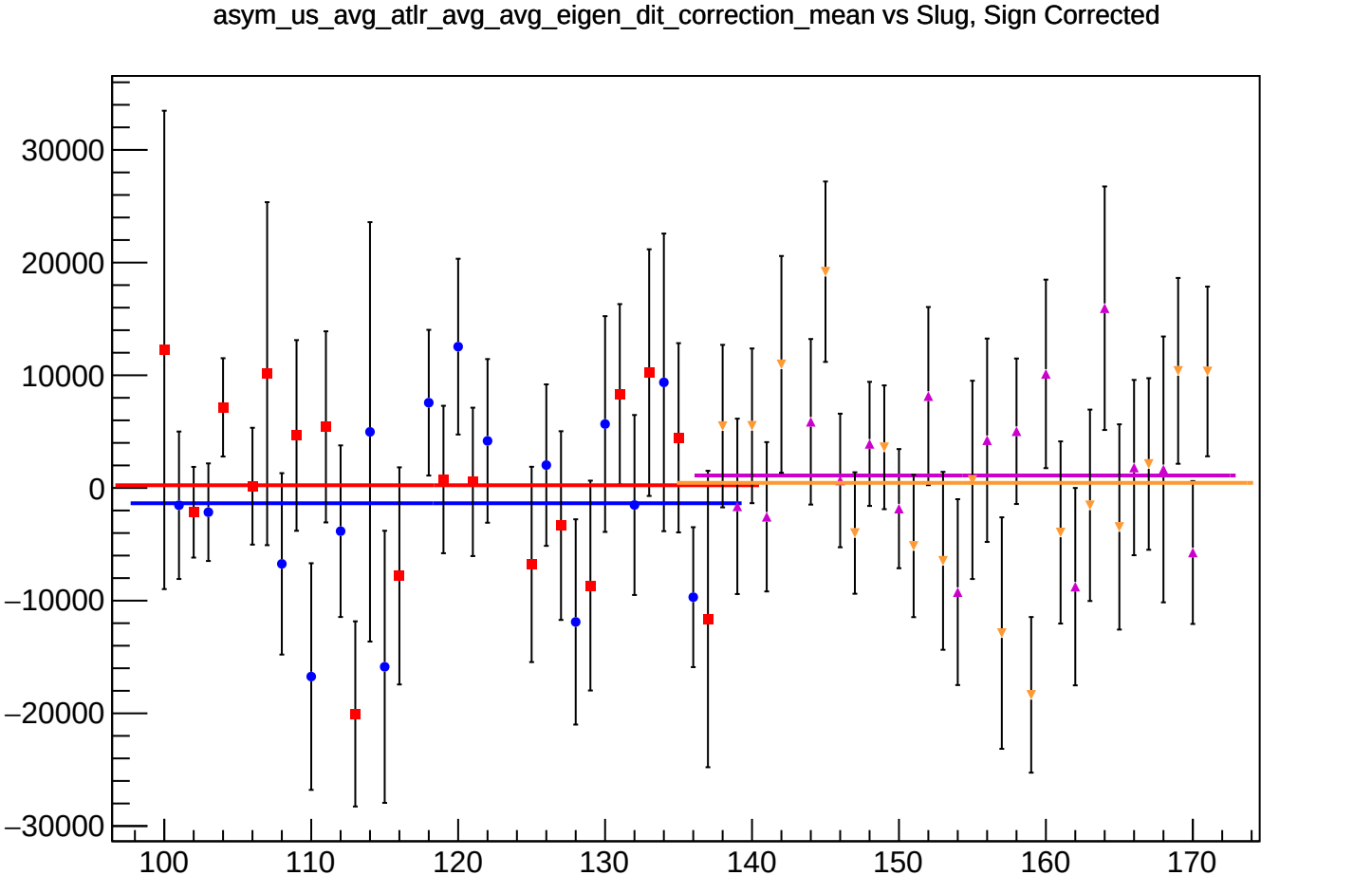
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1870.025+/-0.361 χ²/NDF:21615.1/16
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1871.382+/-0.364 χ²/NDF:14206.6/15
Left: 1870.697+/-0.256 χ²/NDF: 35828.7/32
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1881.209+/-0.295 χ²/NDF:294785.0/31
Out: 1881.364+/-0.294 χ²/NDF:174673.8/34
All: 1881.287+/-0.208 χ²/NDF: 469458.9/66



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: 1108.192+/-1806.238 χ^2/NDF:9.8/15

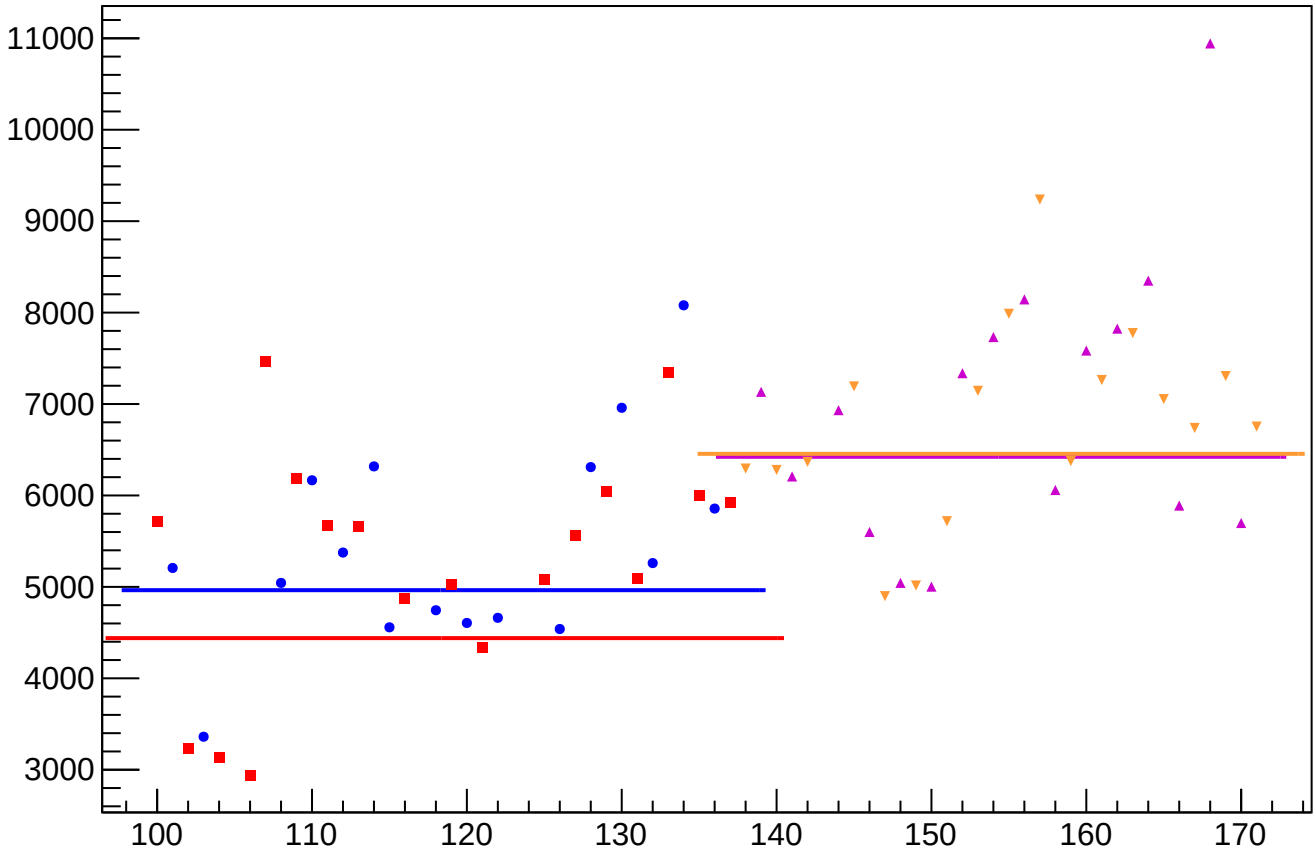
Left: 779.231+/-1273.807 χ^2/NDF: 33.0/32

Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -64.491+/-1307.780 χ^2/NDF:25.4/31

Out: 342.365+/-1239.676 χ^2/NDF:38.9/34

All: 149.806+/-899.696 χ^2/NDF: 64.3/66



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6455.236+/-1.270 χ^2/NDF:677961.3/16

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6422.828+/-1.277 χ^2/NDF:975564.3/15

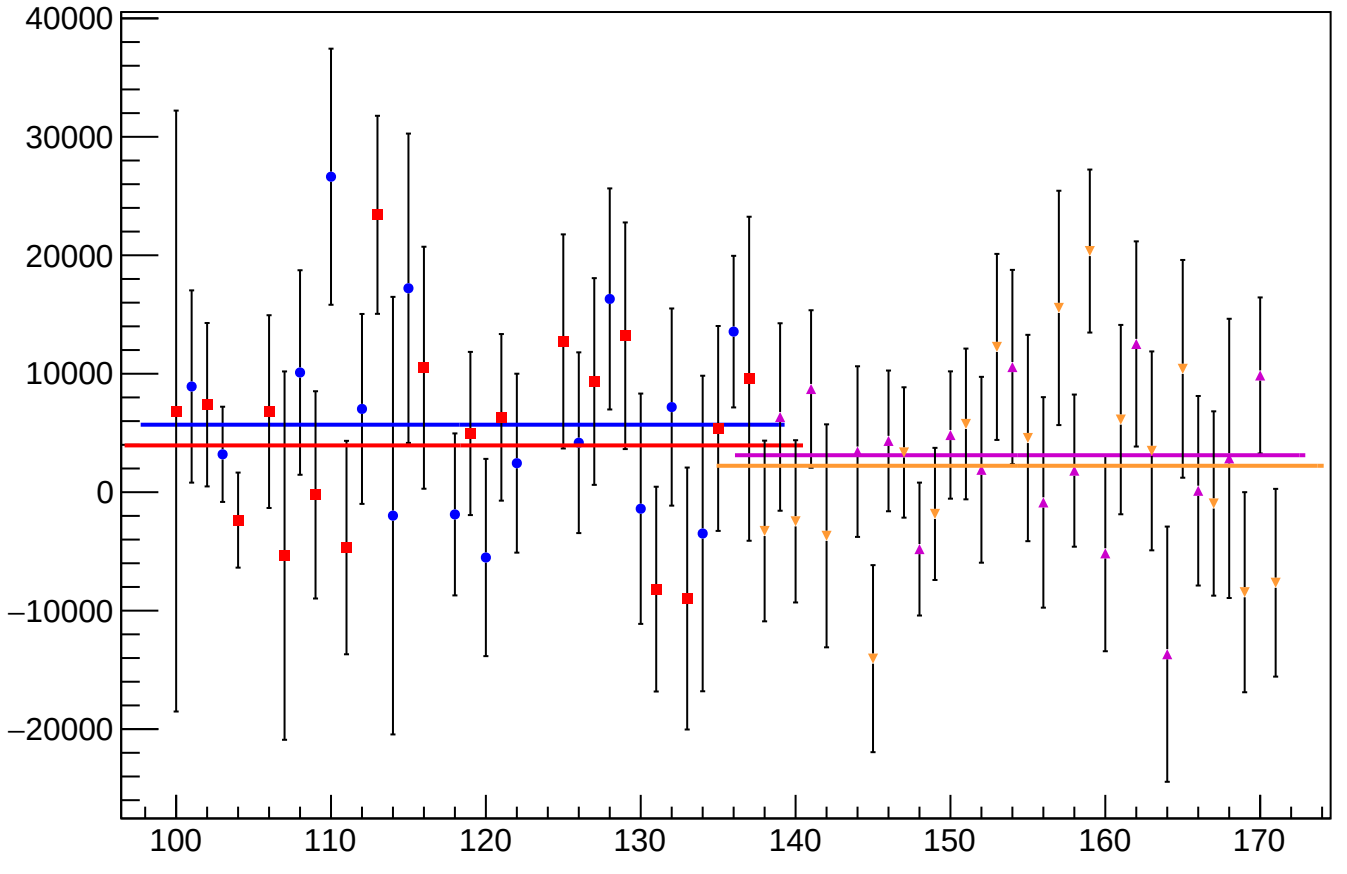
Left: 6439.118+/-0.901 χ^2/NDF: 1653849.2/32

Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5728.750+/-0.925 χ^2/NDF:2223665.0/31

Out: 5399.236+/-0.877 χ^2/NDF:3155200.0/34

All: 5555.190+/-0.636 χ^2/NDF: 5445743.3/66



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: 3120.867+/-1816.443 χ^2/NDF:9.9/15

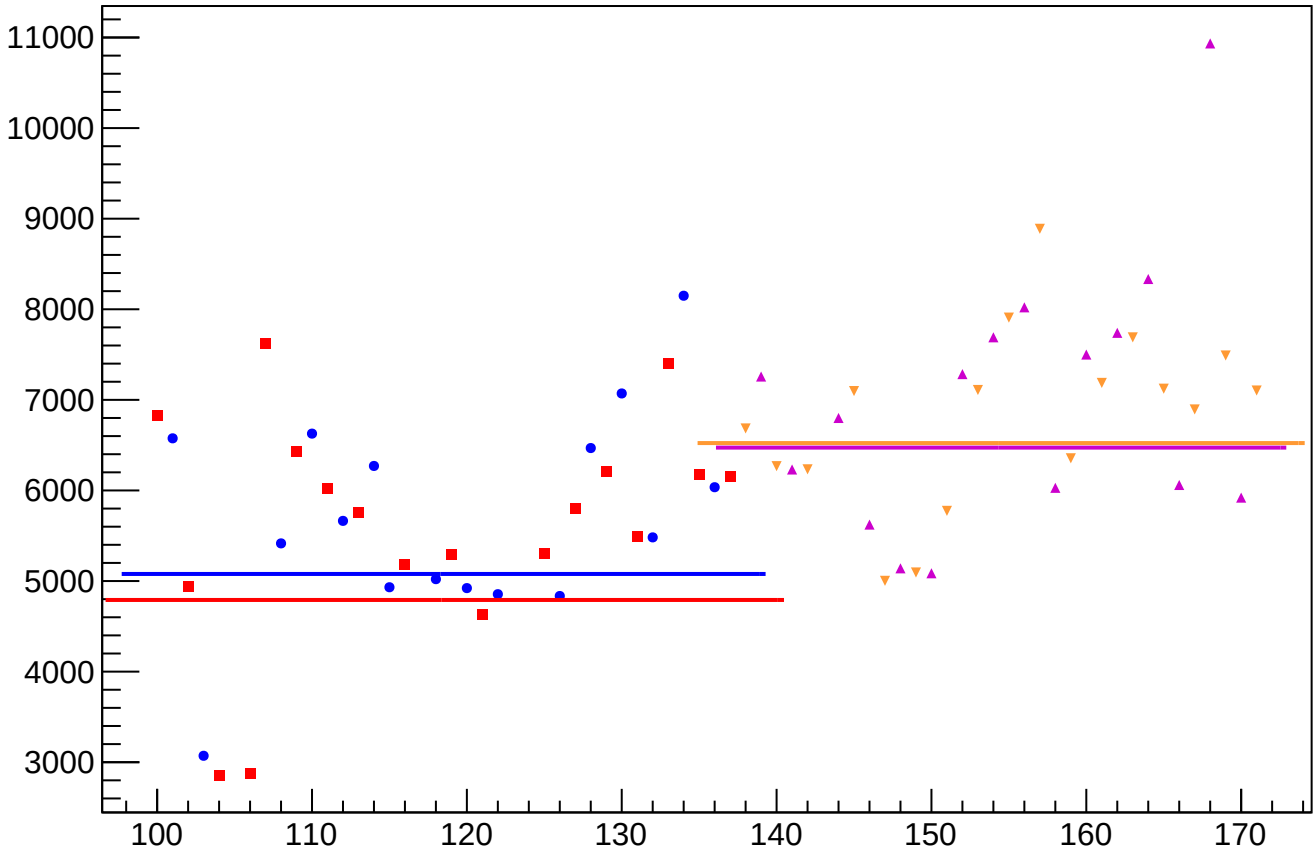
Left: 2674.512+/-1282.812 χ^2/NDF: 31.4/32

Right: 4805.905+/-1371.511 χ^2/NDF: 29.2/33

In: 4311.761+/-1332.036 χ^2/NDF:23.5/31

Out: 3039.880+/-1317.957 χ^2/NDF:37.9/34

All: 3669.064+/-936.874 χ^2/NDF: 61.8/66



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: 6472.919+/-1.284 χ^2/NDF:888555.3/15

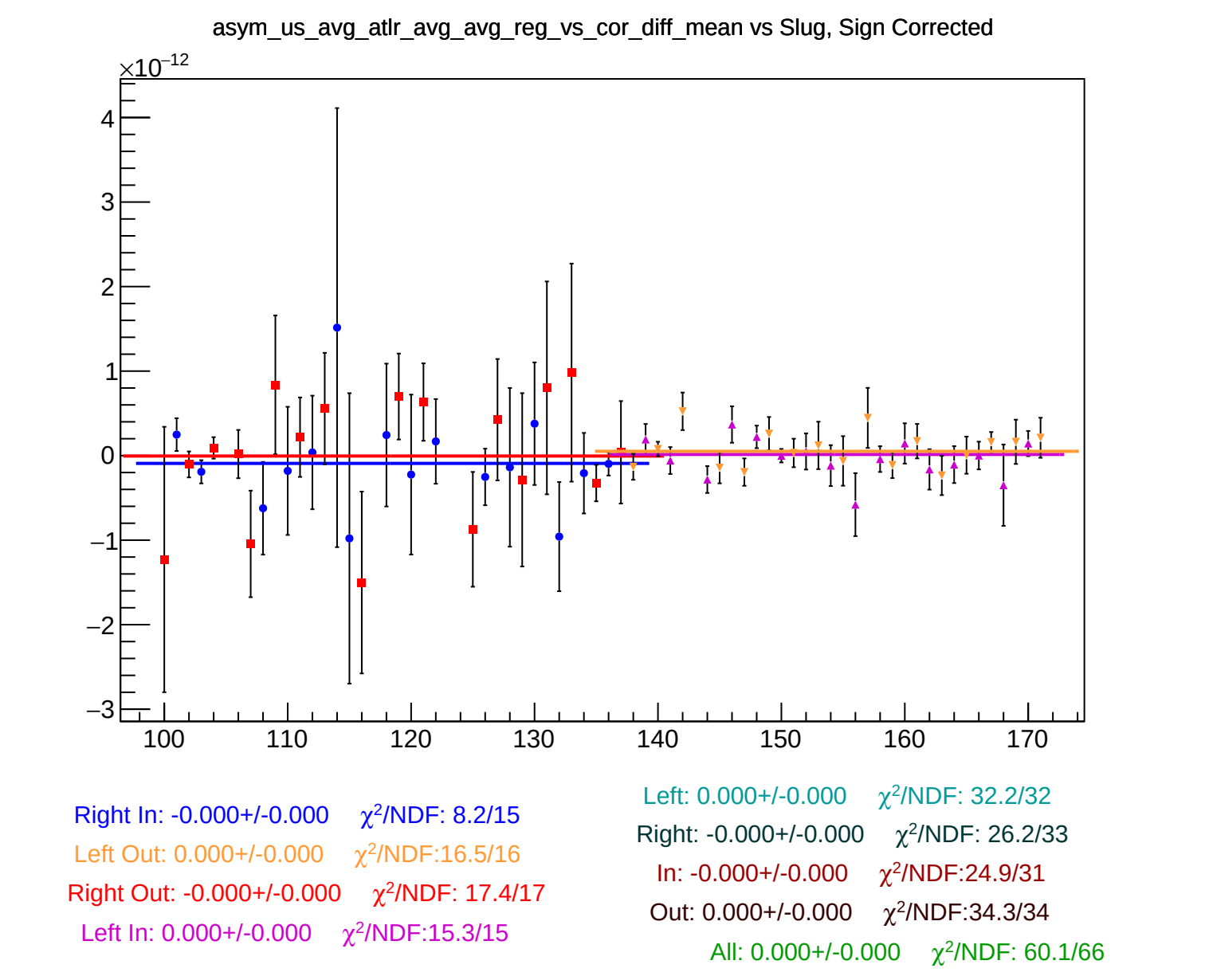
Left: 6498.062+/-0.907 χ^2/NDF: 1496791.7/32

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5828.192+/-0.942 χ^2/NDF:2352848.0/31

Out: 5689.923+/-0.923 χ^2/NDF:2648976.7/34

All: 5757.654+/-0.659 χ^2/NDF: 5012818.7/66


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
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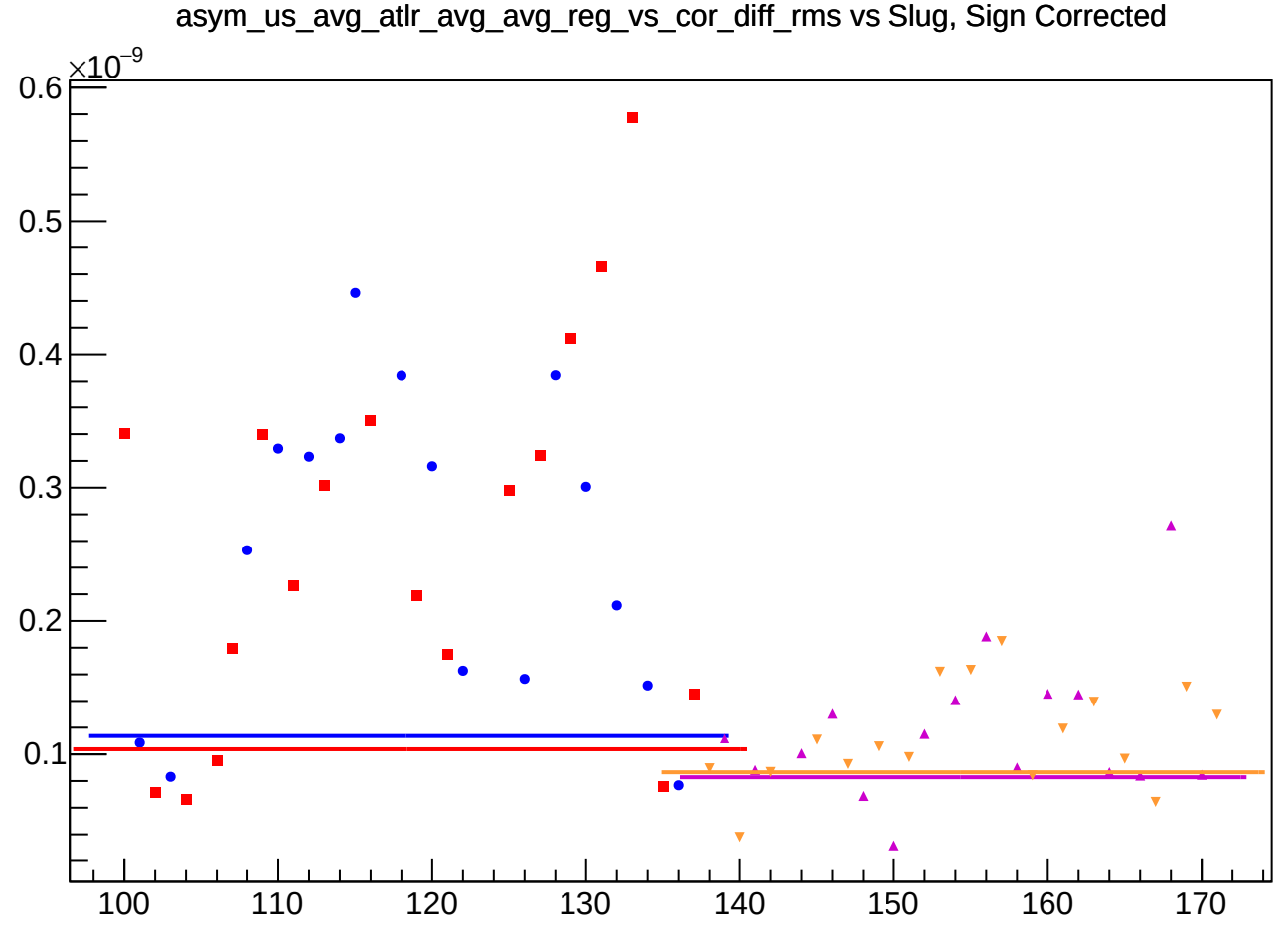
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.2/15
Left Out: 0.000+/-0.000 χ²/NDF:16.5/16
Right Out: -0.000+/-0.000 χ²/NDF: 17.4/17
Left In: 0.000+/-0.000 χ²/NDF:15.3/15
Left: 0.000+/-0.000 χ²/NDF: 32.2/32
Right: -0.000+/-0.000 χ²/NDF: 26.2/33
In: -0.000+/-0.000 χ²/NDF:24.9/31
Out: 0.000+/-0.000 χ²/NDF:34.3/34
All: 0.000+/-0.000 χ²/NDF: 60.1/66



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:1925647.2/15

Left: 0.000+/-0.000 χ^2/NDF: 3492409.5/32

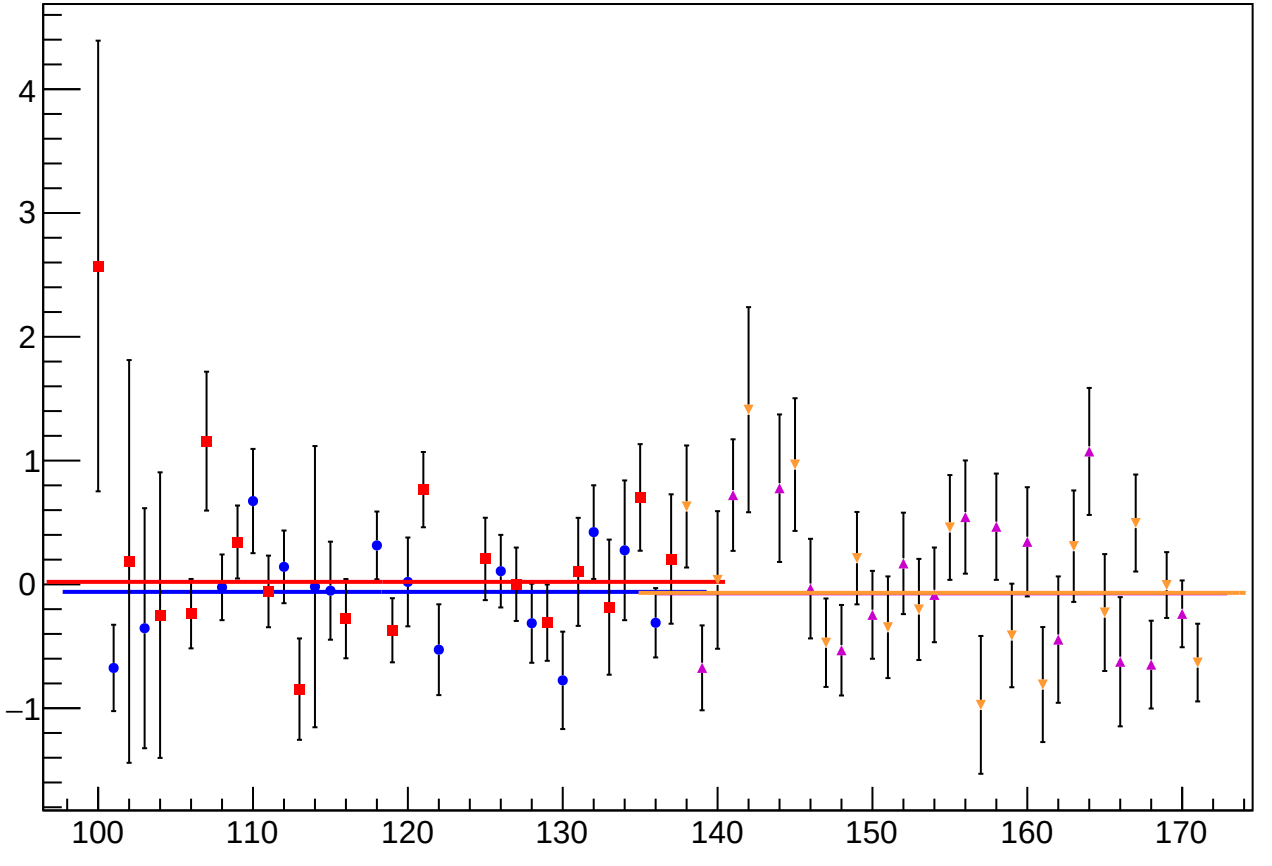
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3695794.6/31

Out: 0.000+/-0.000 χ^2/NDF:3723816.3/34

All: 0.000+/-0.000 χ^2/NDF: 7420052.6/66

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: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.070+/-0.071 χ^2/NDF: 49.3/32

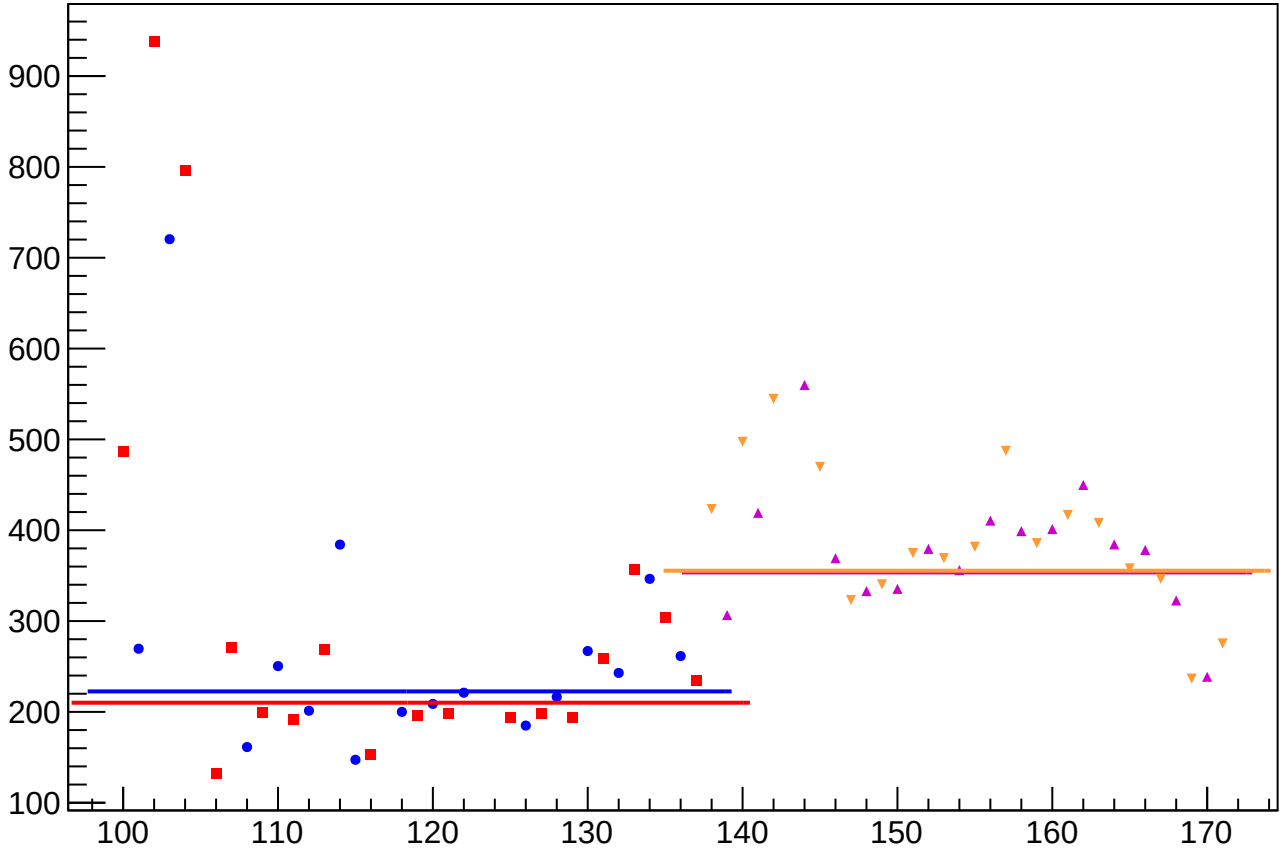
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.041+/-0.047 χ^2/NDF: 93.4/66

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: 353.518+/-0.071 χ^2/NDF:880095.4/15

Left: 354.475+/-0.050 χ^2/NDF: 1993822.0/32

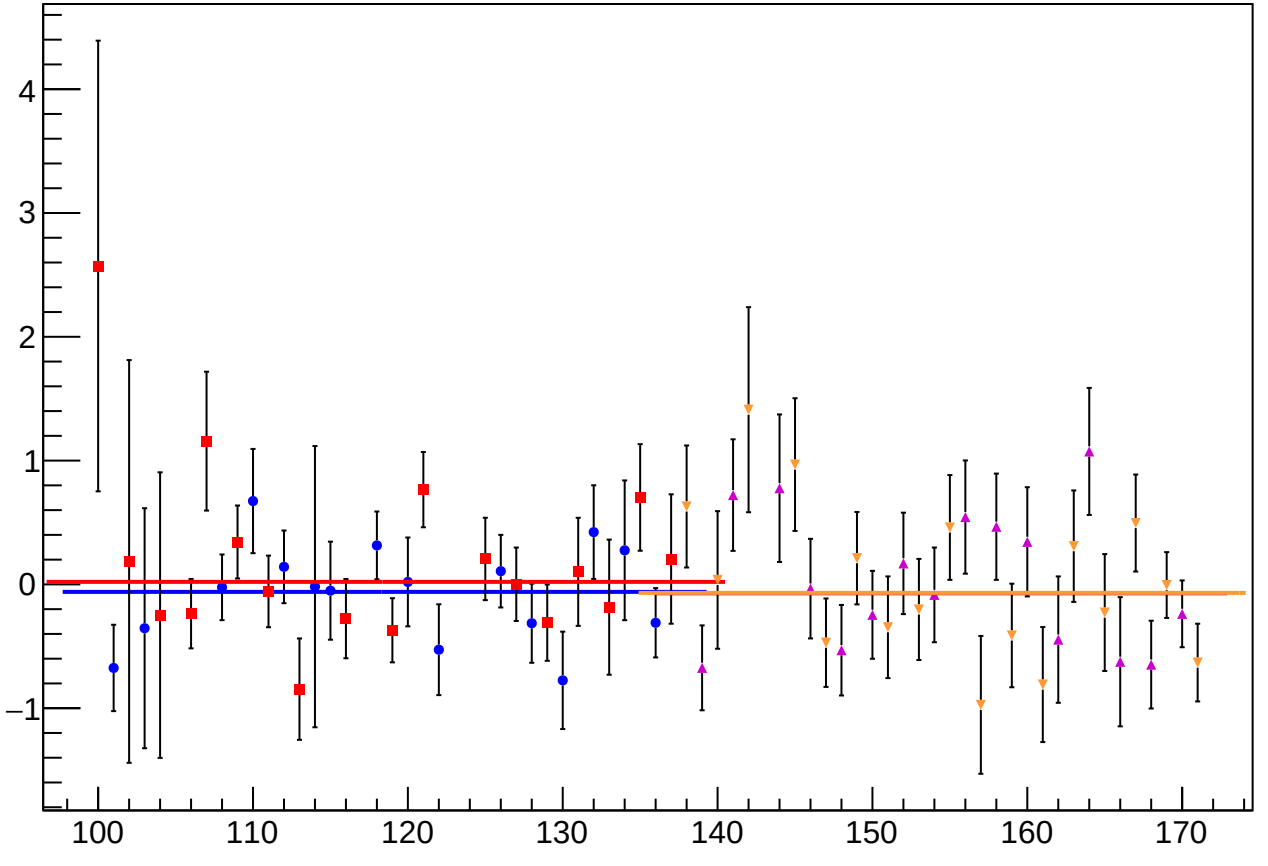
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.870+/-0.047 χ^2/NDF:3808106.6/31

Out: 272.585+/-0.047 χ^2/NDF:5036717.6/34

All: 276.201+/-0.033 χ^2/NDF: 8856914.6/66

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: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.070+/-0.071 χ^2/NDF: 49.3/32

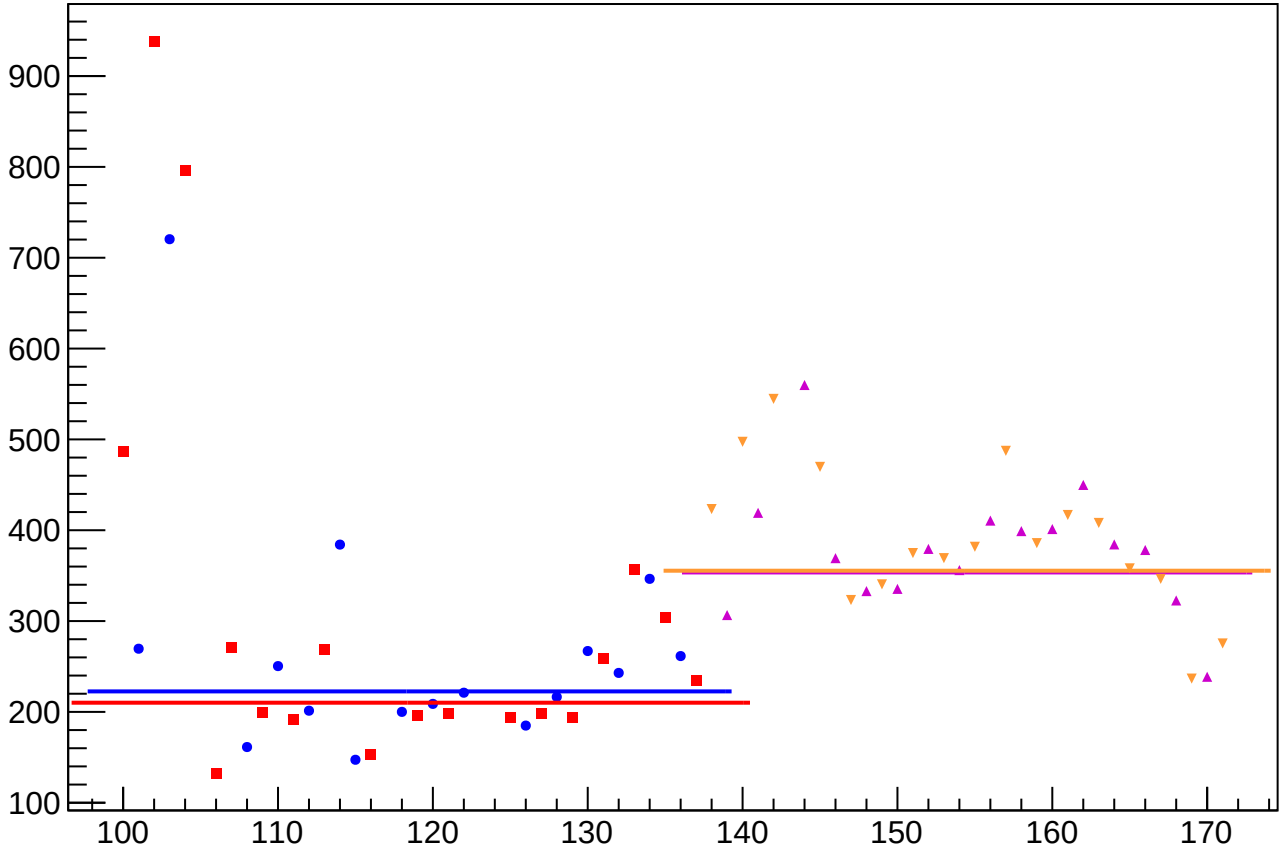
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.041+/-0.047 χ^2/NDF: 93.4/66

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: 353.518+/-0.071 χ^2/NDF:880095.4/15

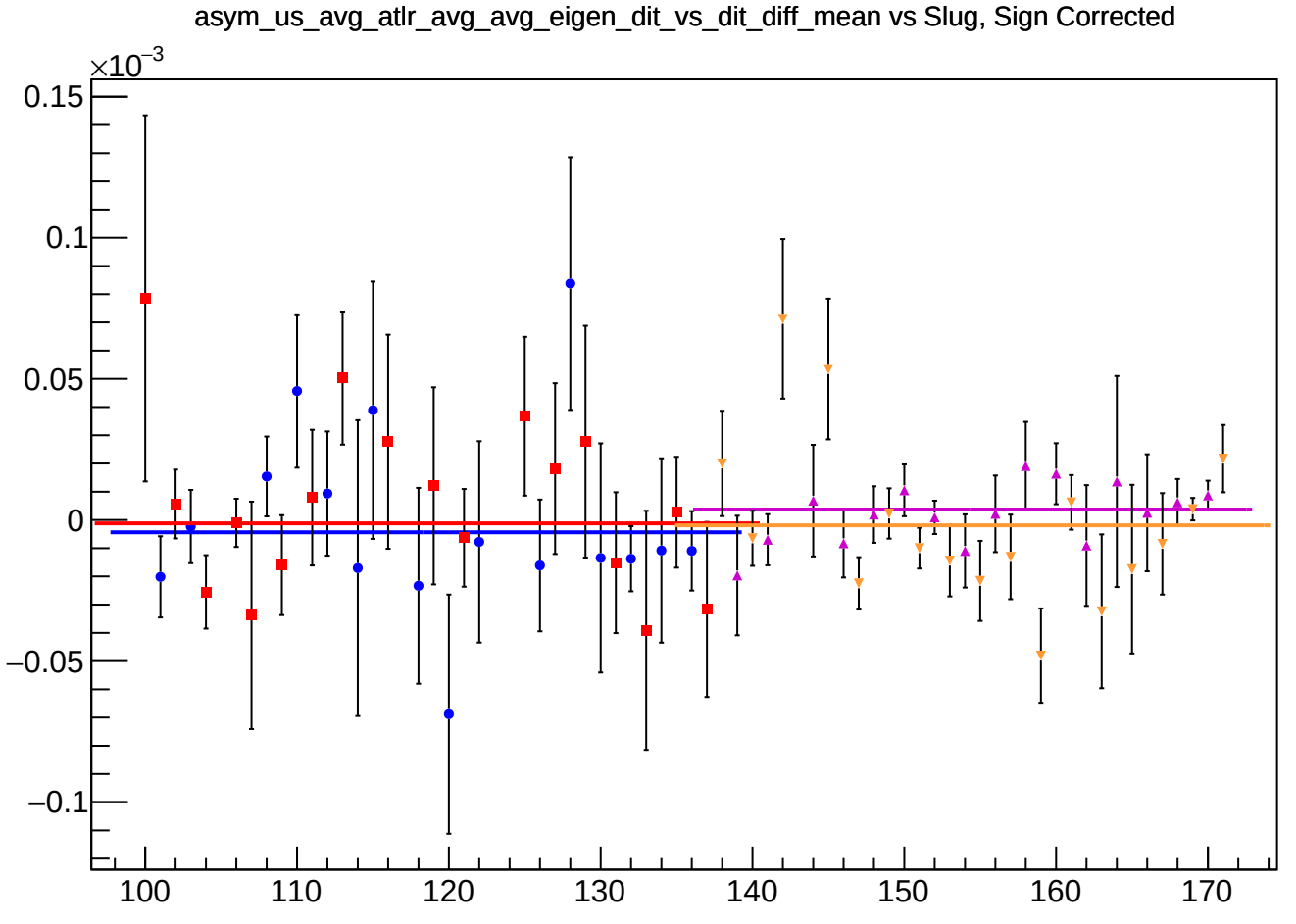
Left: 354.475+/-0.050 χ^2/NDF: 1993822.0/32

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 279.870+/-0.047 χ^2/NDF:3808106.6/31

Out: 272.585+/-0.047 χ^2/NDF:5036717.6/34

All: 276.201+/-0.033 χ^2/NDF: 8856914.6/66



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:9.5/15

Left: 0.000+/-0.000 χ^2/NDF: 51.0/32

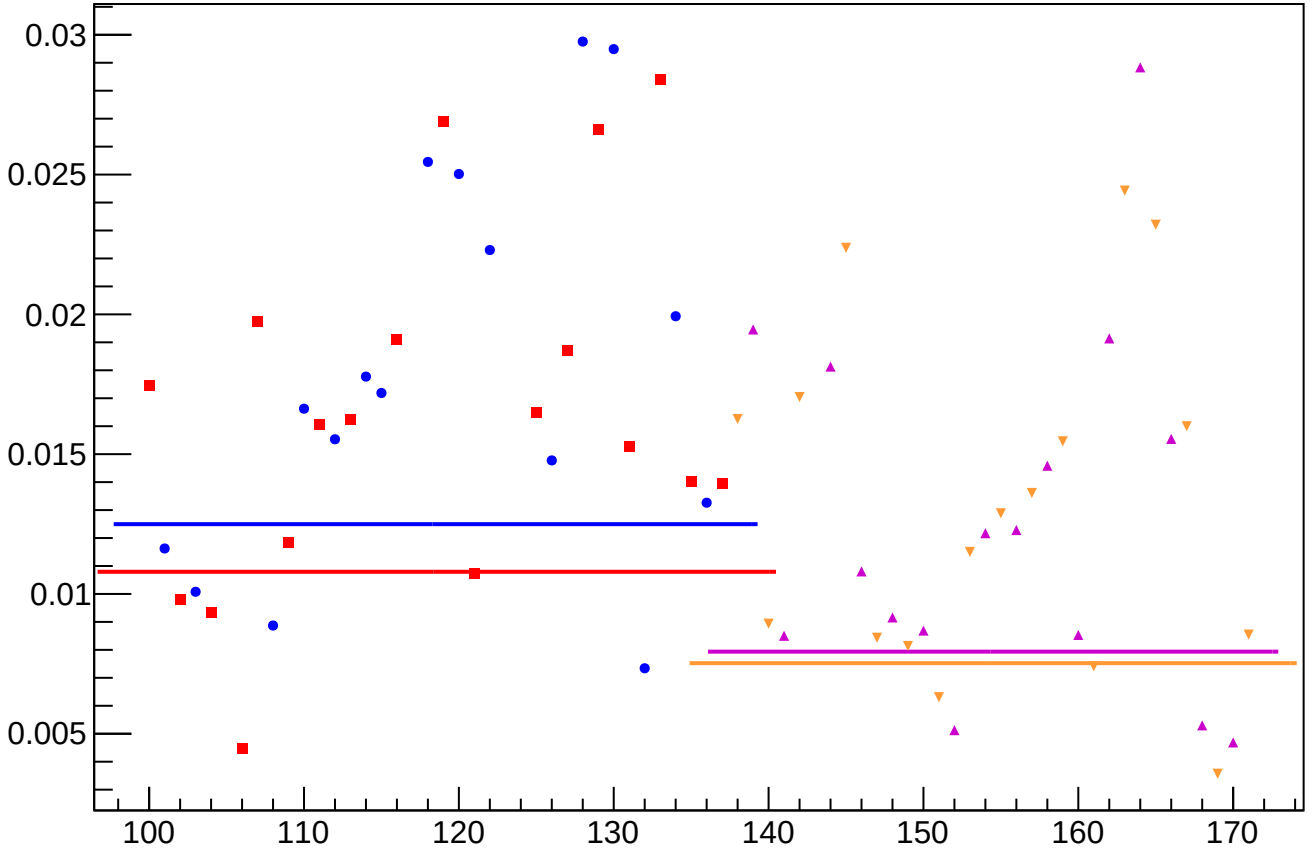
Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:27.1/31

Out: -0.000+/-0.000 χ^2/NDF:56.3/34

All: 0.000+/-0.000 χ^2/NDF: 84.9/66

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6524882.2/16

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:4941957.1/15

Left: 0.008+/-0.000 χ^2/NDF: 11493936.8/32

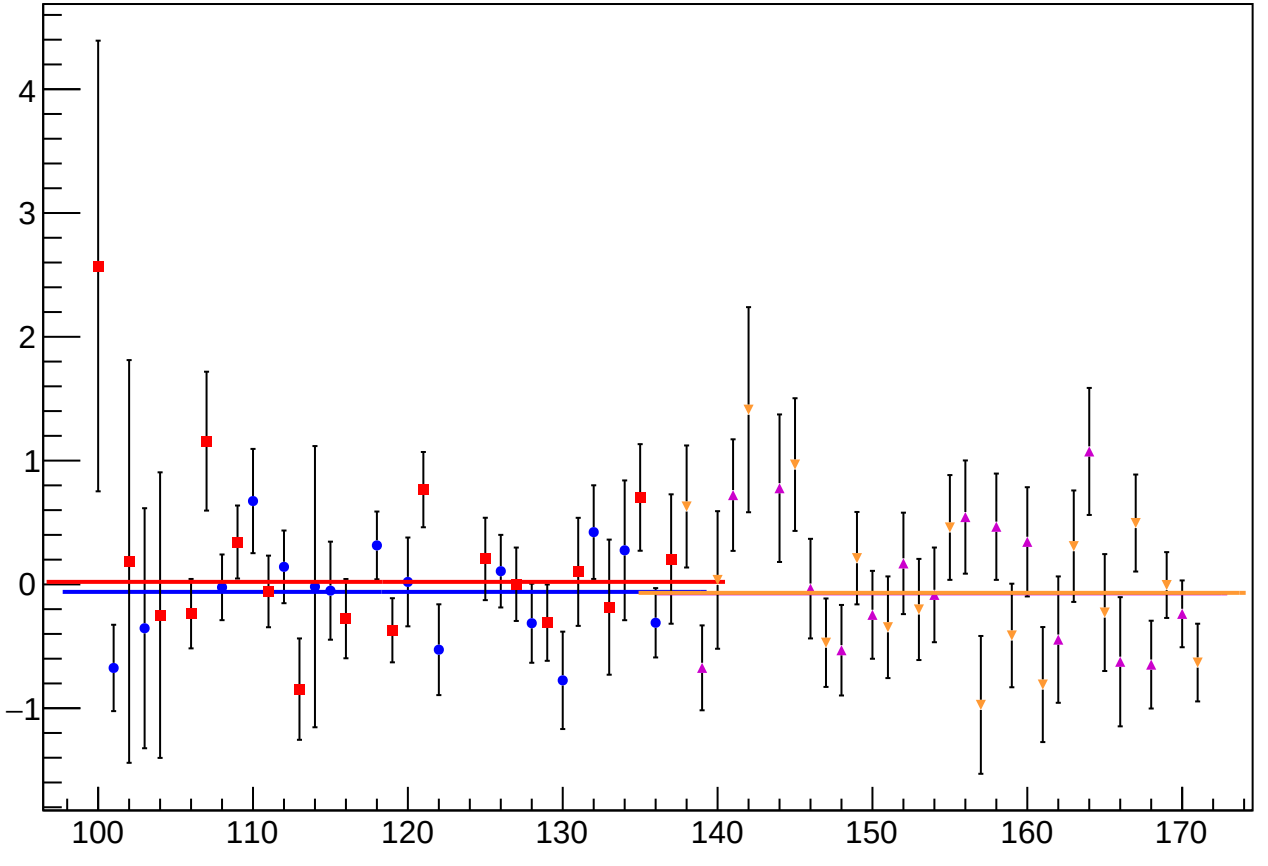
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:8343145.4/31

Out: 0.008+/-0.000 χ^2/NDF:10301648.4/34

All: 0.009+/-0.000 χ^2/NDF: 18716274.2/66

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: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.070+/-0.071 χ^2/NDF: 49.3/32

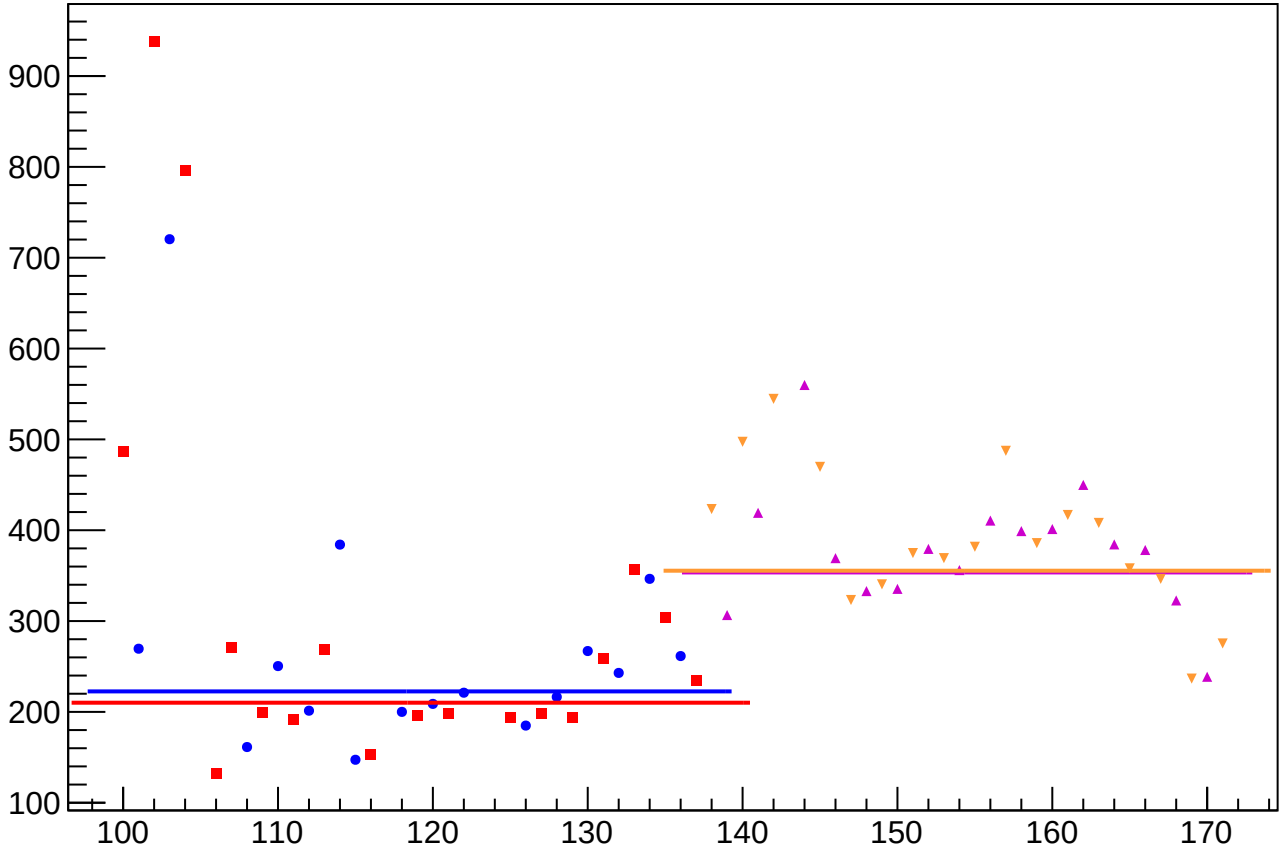
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.041+/-0.047 χ^2/NDF: 93.4/66

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: 353.523+/-0.071 χ^2/NDF:880128.6/15

Left: 354.478+/-0.050 χ^2/NDF: 1993962.3/32

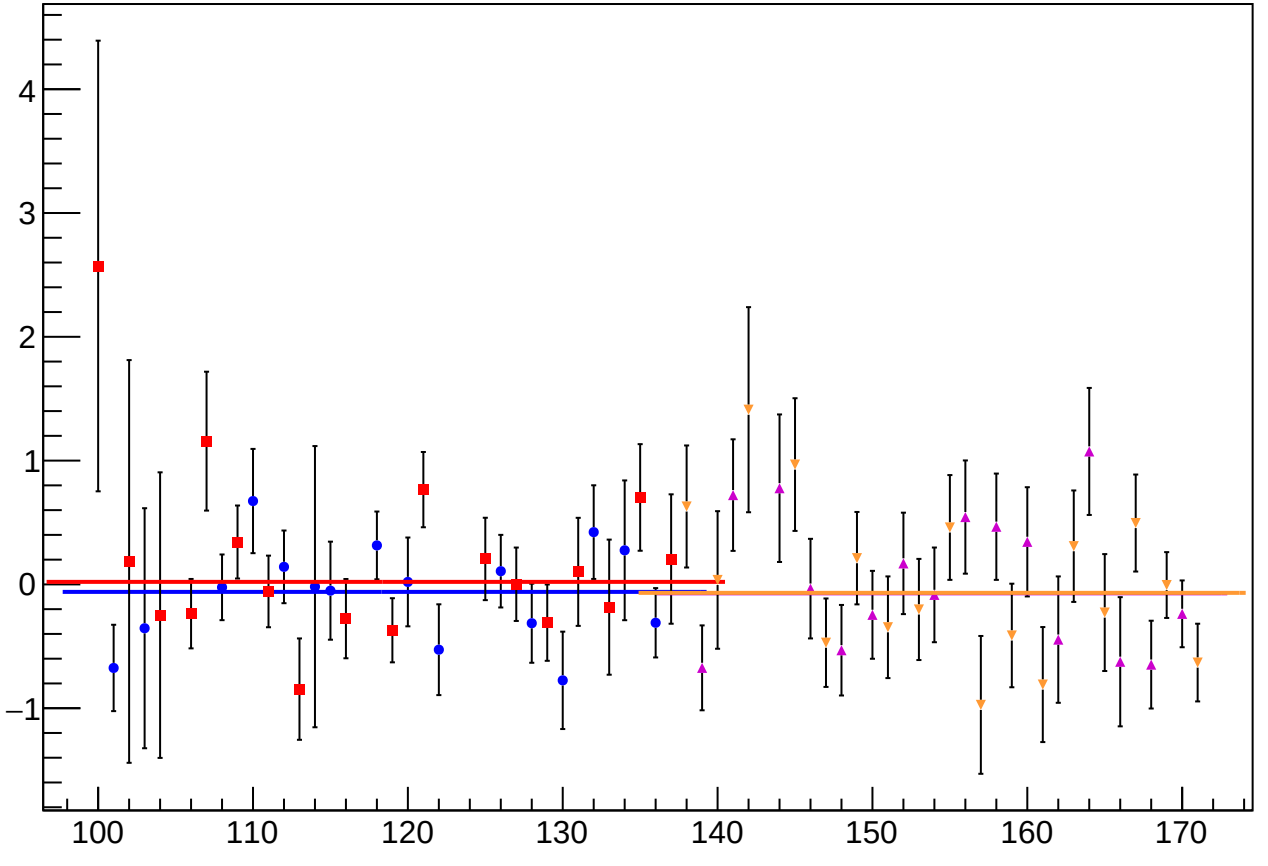
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 279.869+/-0.047 χ^2/NDF:3808298.6/31

Out: 272.583+/-0.047 χ^2/NDF:5036964.0/34

All: 276.200+/-0.033 χ^2/NDF: 8857358.7/66

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: -0.072+/-0.101 χ^2/NDF:24.3/15

Left: -0.070+/-0.071 χ^2/NDF: 49.3/32

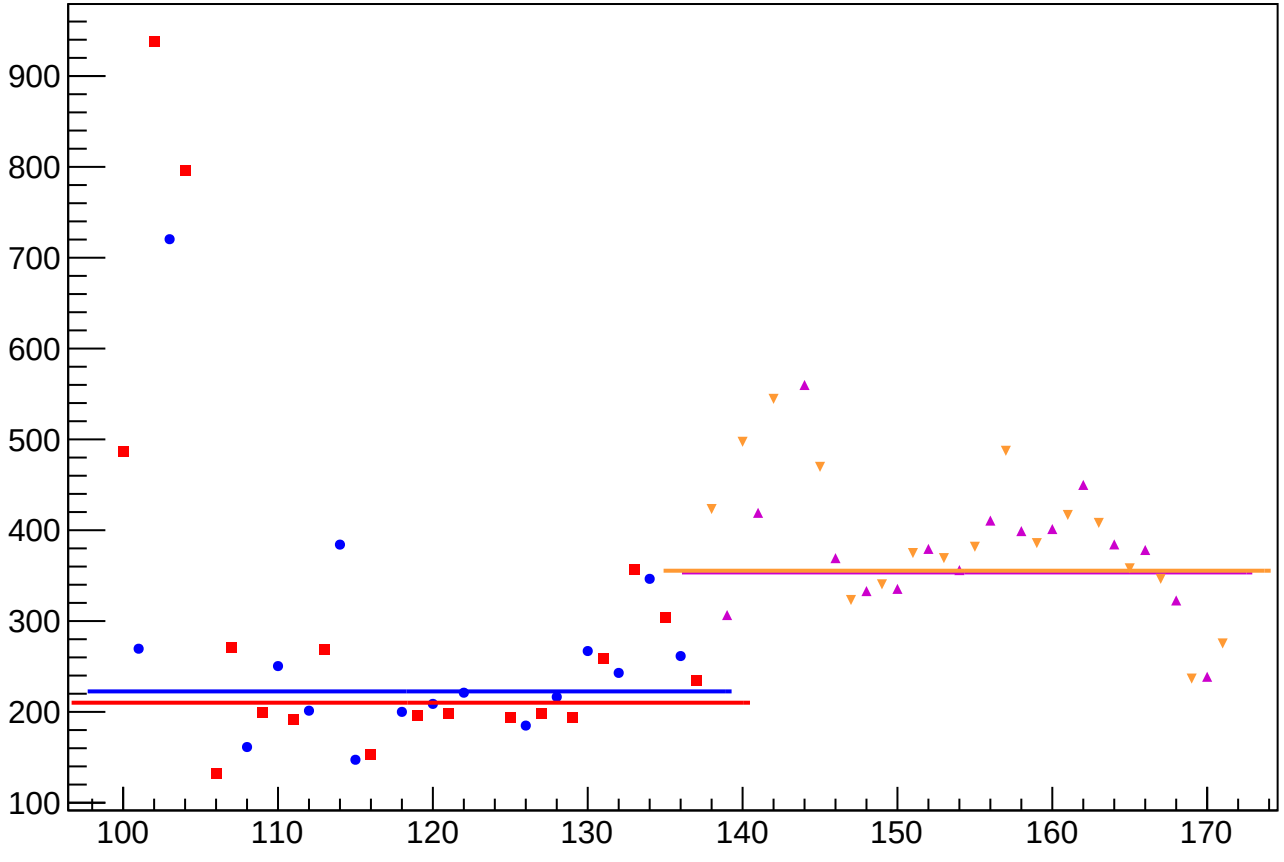
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.066+/-0.066 χ^2/NDF:41.6/31

Out: -0.018+/-0.066 χ^2/NDF:51.5/34

All: -0.041+/-0.047 χ^2/NDF: 93.4/66

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: 353.523+/-0.071 χ^2/NDF:880128.6/15

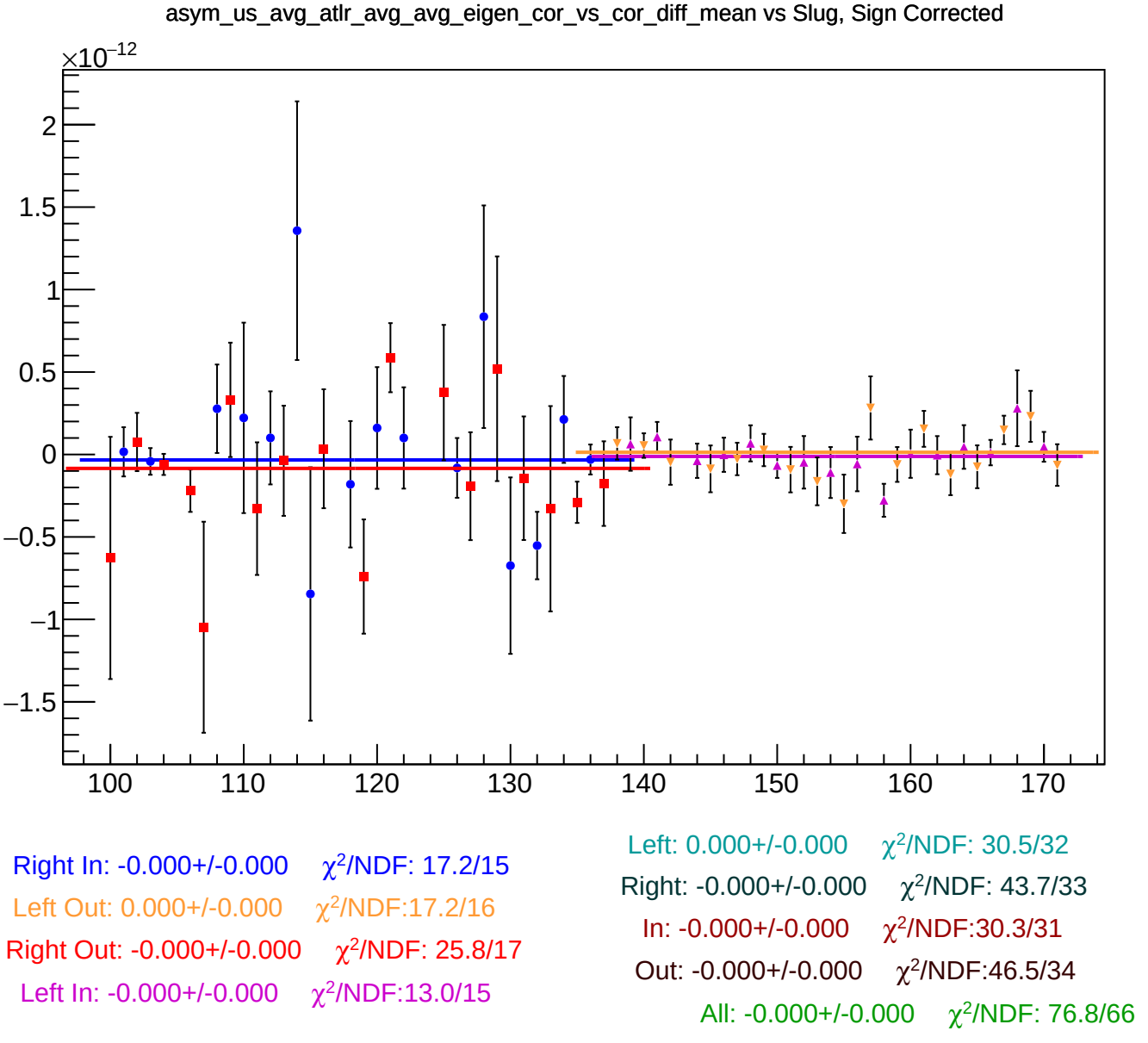
Left: 354.478+/-0.050 χ^2/NDF: 1993962.3/32

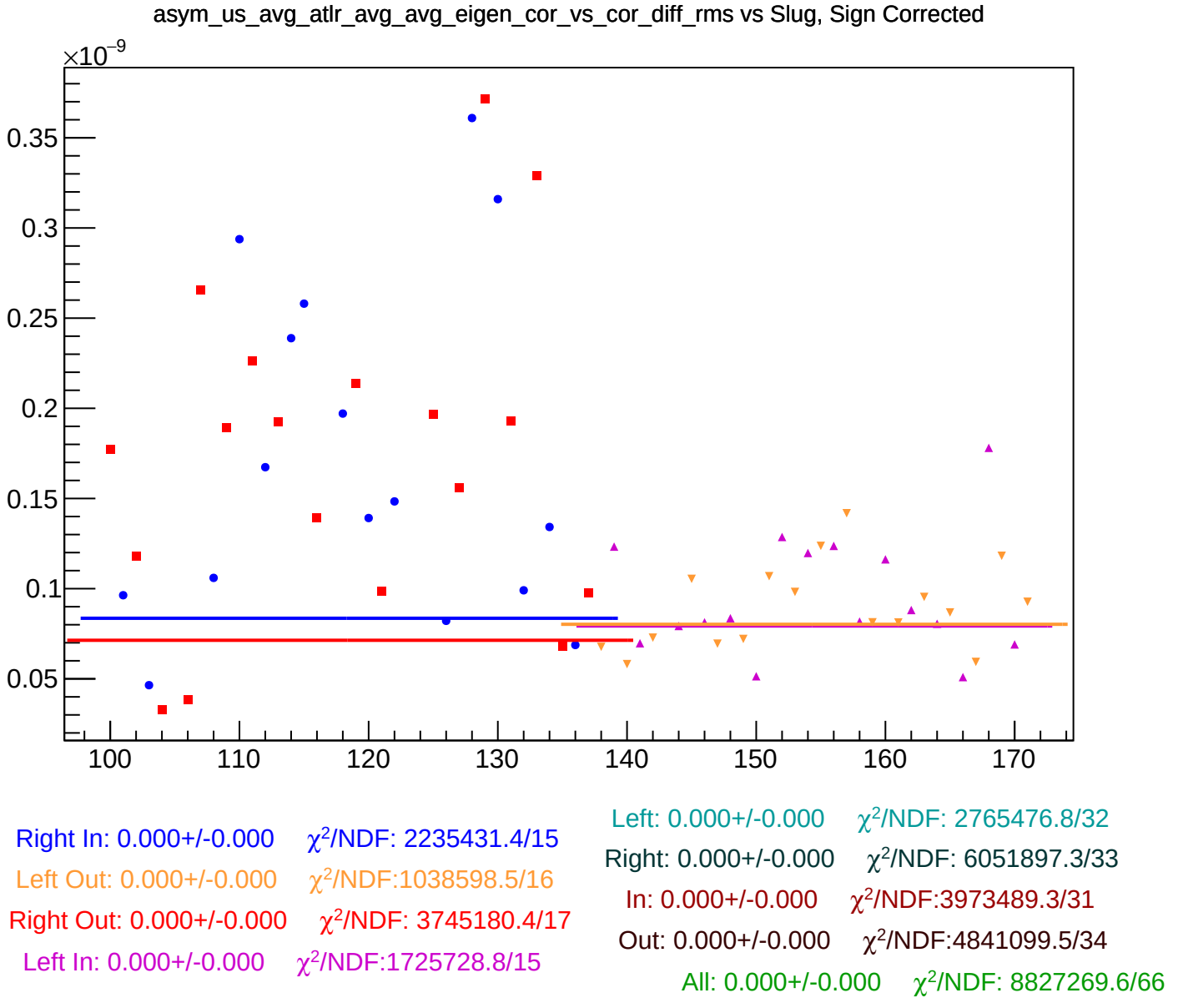
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

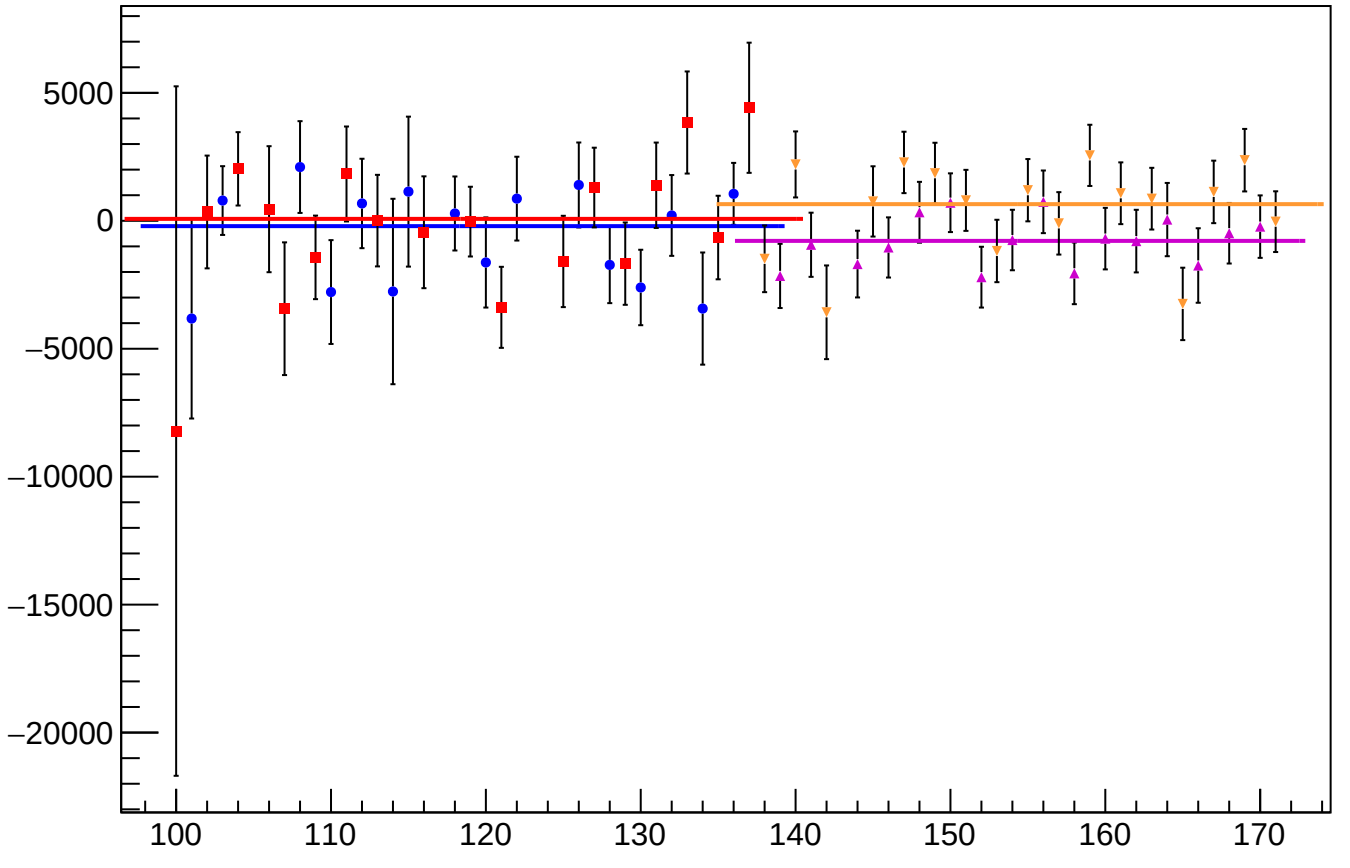
In: 279.869+/-0.047 χ^2/NDF:3808298.6/31

Out: 272.583+/-0.047 χ^2/NDF:5036964.0/34

All: 276.200+/-0.033 χ^2/NDF: 8857358.7/66


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:13.0/15
Left: 0.000+/-0.000 χ²/NDF: 30.5/32
Right: -0.000+/-0.000 χ²/NDF: 43.7/33
In: -0.000+/-0.000 χ²/NDF:30.3/31
Out: -0.000+/-0.000 χ²/NDF:46.5/34
All: -0.000+/-0.000 χ²/NDF: 76.8/66


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:1725728.8/15
Left: 0.000+/-0.000 χ²/NDF: 2765476.8/32
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:3973489.3/31
Out: 0.000+/-0.000 χ²/NDF:4841099.5/34
All: 0.000+/-0.000 χ²/NDF: 8827269.6/66



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: -784.697+/-308.085 χ^2/NDF:9.5/15

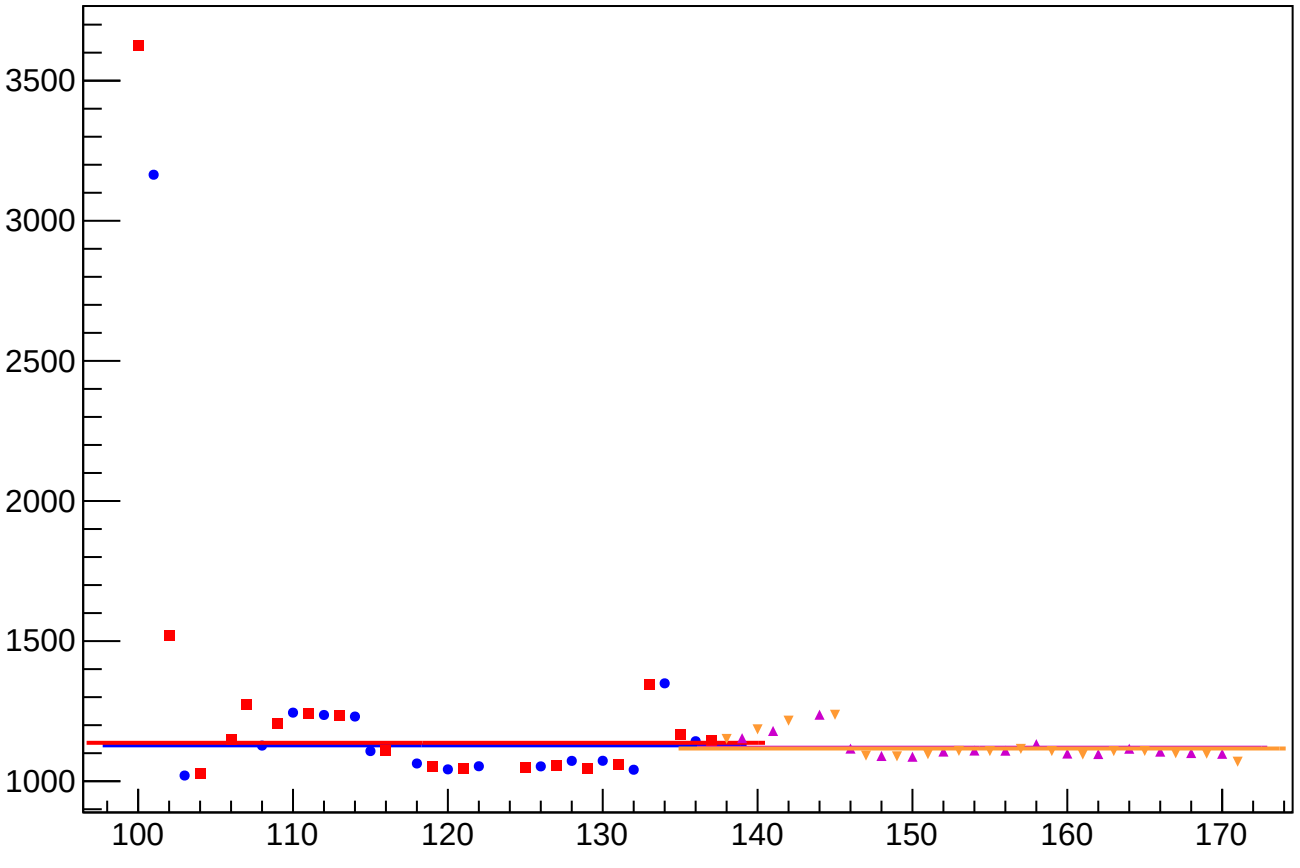
Left: -59.070+/-216.676 χ^2/NDF: 48.4/32

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -588.682+/-250.272 χ^2/NDF:25.4/31

Out: 459.127+/-248.808 χ^2/NDF:49.8/34

All: -61.705+/-176.449 χ^2/NDF: 84.0/66



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: 1119.596+/-0.218 χ^2/NDF:28555.5/15

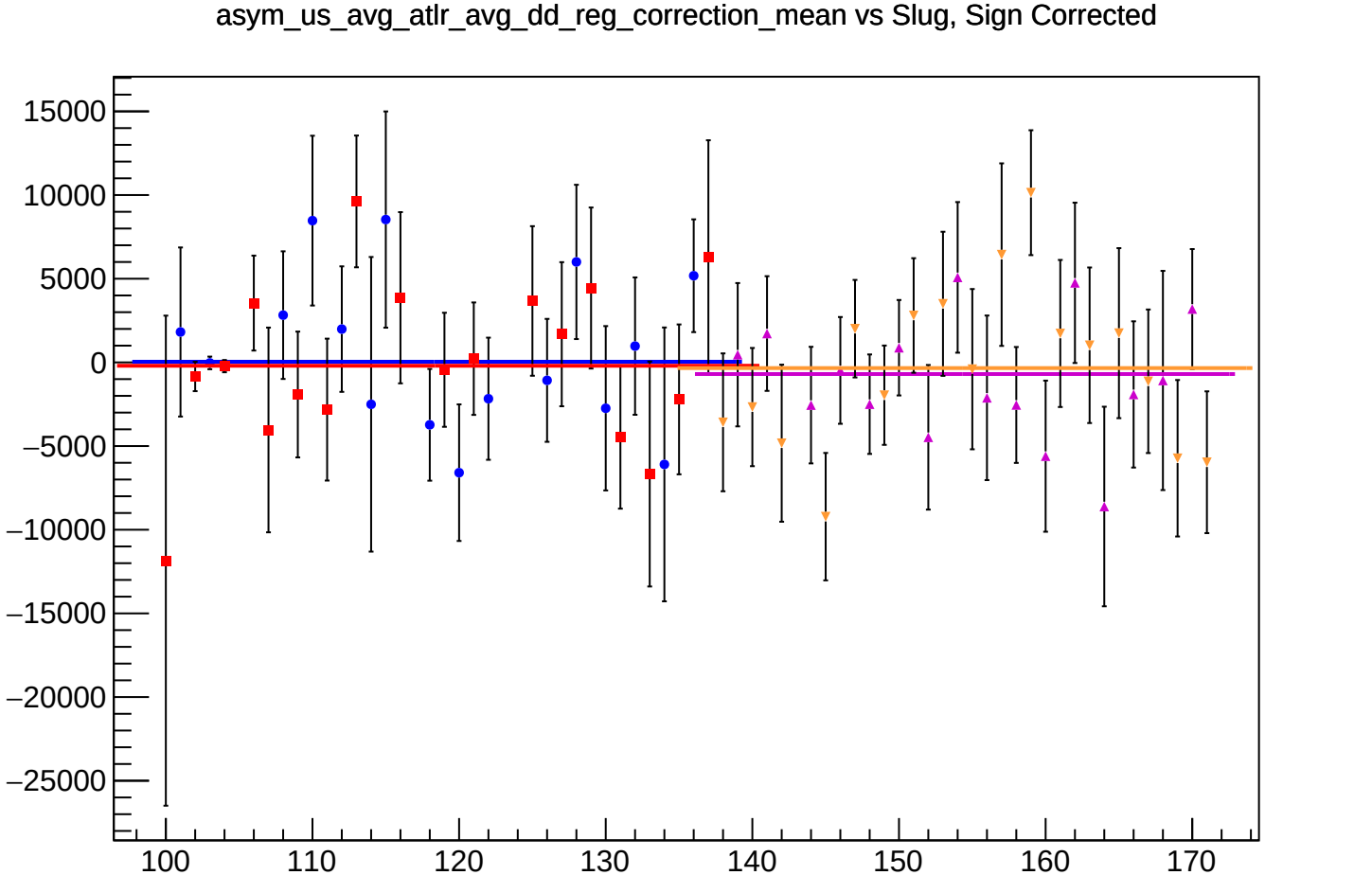
Left: 1118.146+/-0.153 χ^2/NDF: 64630.2/32

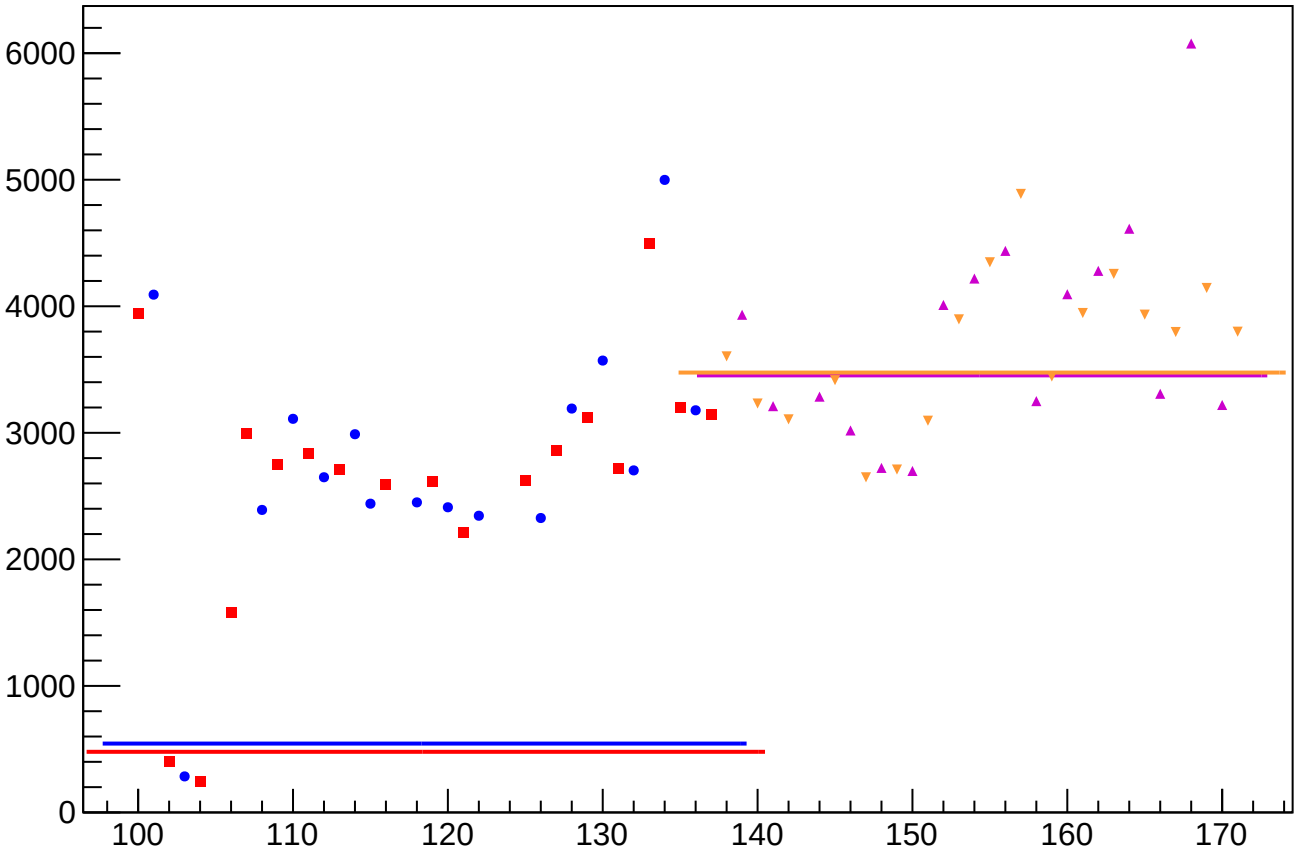
Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1122.457+/-0.177 χ^2/NDF:650457.0/31

Out: 1123.520+/-0.176 χ^2/NDF:259044.5/34

All: 1122.992+/-0.125 χ^2/NDF: 909519.7/66


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 38.300+/-357.651 χ²/NDF: 14.8/15
Left Out: -339.544+/-968.602 χ²/NDF:23.0/16
Right Out: -201.642+/-322.545 χ²/NDF: 15.6/17
Left In: -695.889+/-971.987 χ²/NDF:9.8/15
Left: -517.095+/-686.099 χ²/NDF: 32.9/32
Right: -94.022+/-239.526 χ²/NDF: 30.7/33
In: -49.251+/-335.650 χ²/NDF:25.2/31
Out: -215.407+/-306.024 χ²/NDF:38.7/34
All: -139.984+/-226.141 χ²/NDF: 64.0/66



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: 3453.872+/-0.687 χ^2/NDF:1022959.4/15

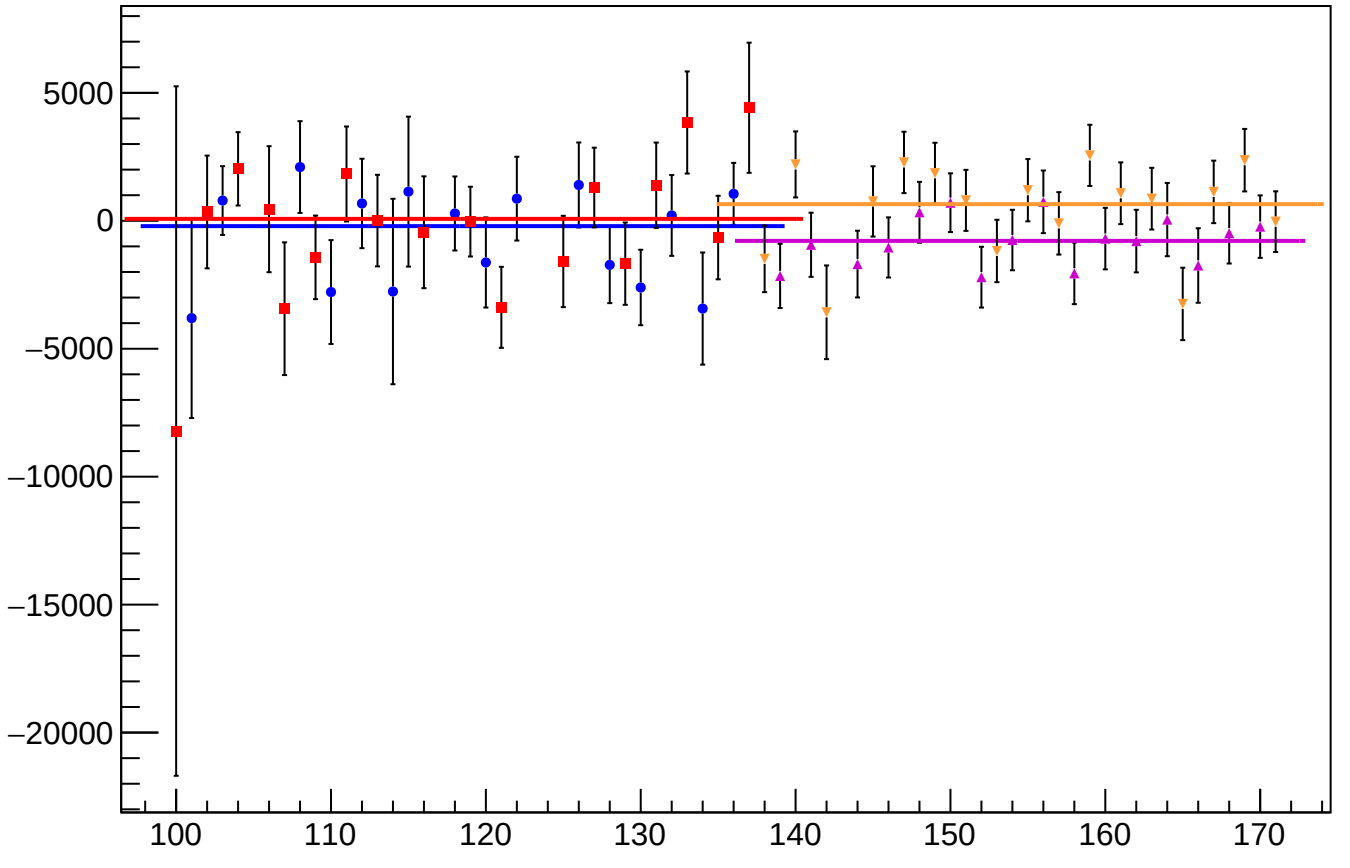
Left: 3465.078+/-0.485 χ^2/NDF: 1746080.9/32

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 891.293+/-0.237 χ^2/NDF:26489661.5/31

Out: 778.410+/-0.216 χ^2/NDF:27146271.7/34

All: 829.650+/-0.160 χ^2/NDF: 53759461.2/66



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: -784.683+/-308.085 χ^2/NDF:9.5/15

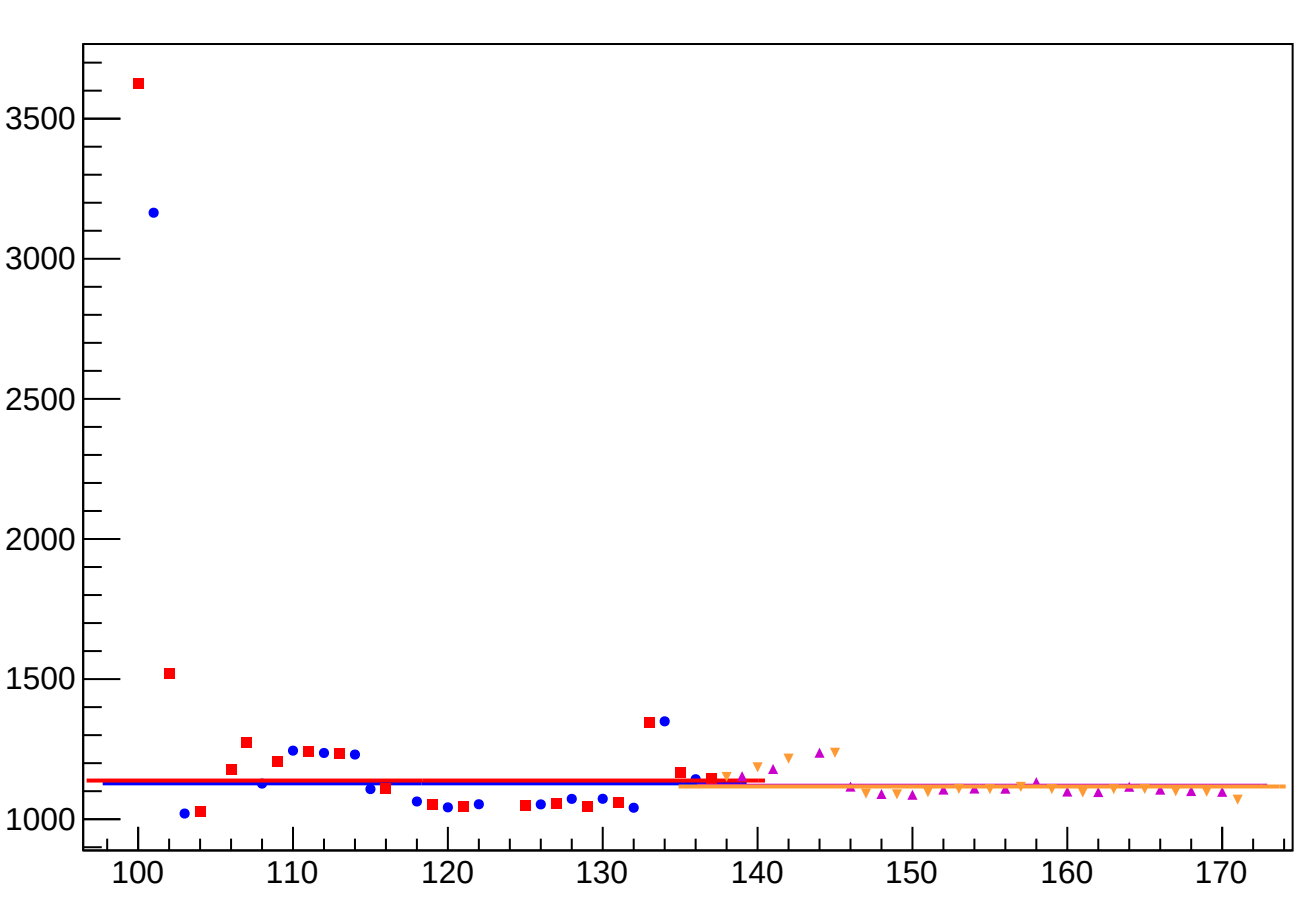
Left: -59.032+/-216.676 χ^2/NDF: 48.4/32

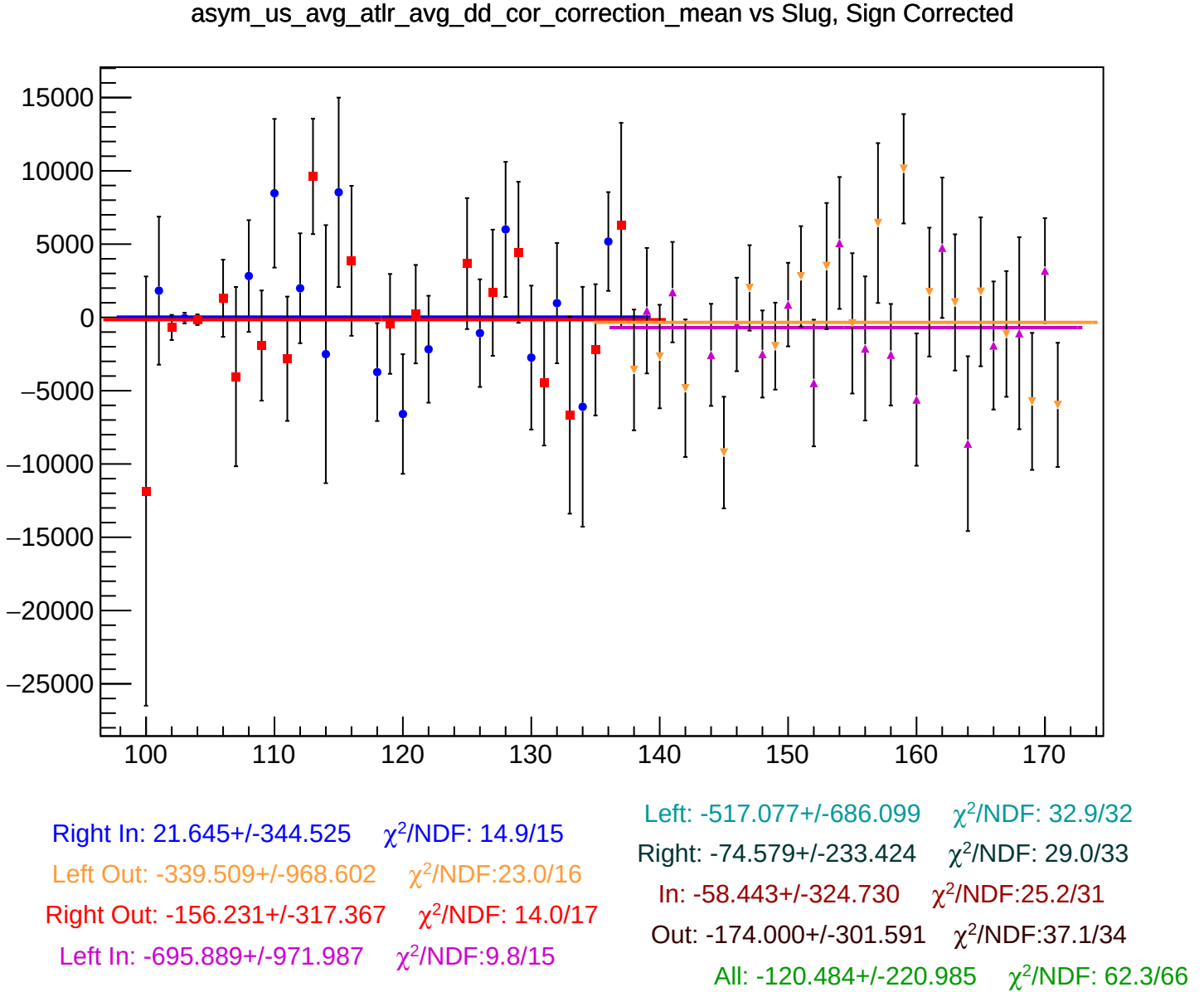
Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

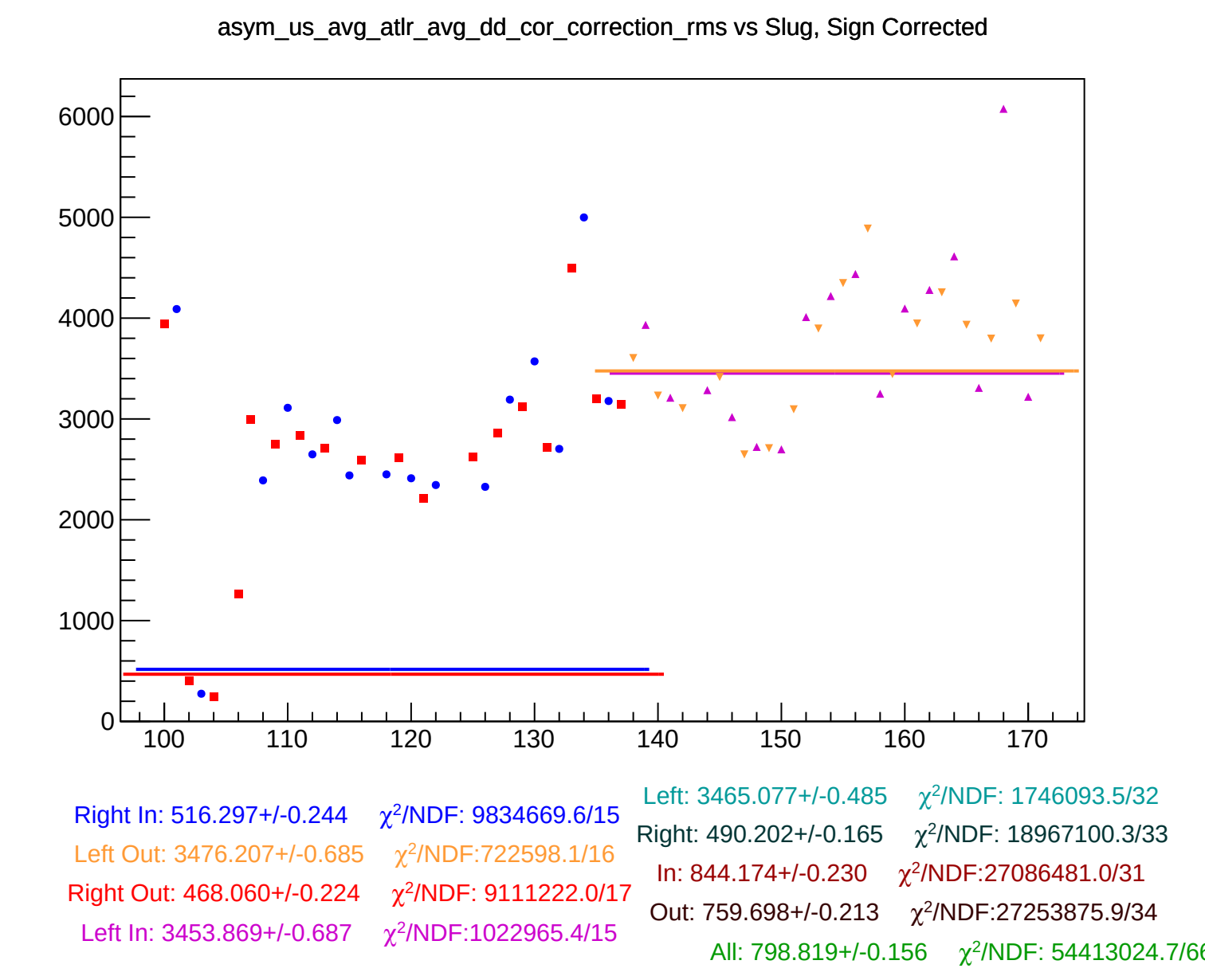
In: -588.595+/-250.272 χ^2/NDF:25.4/31

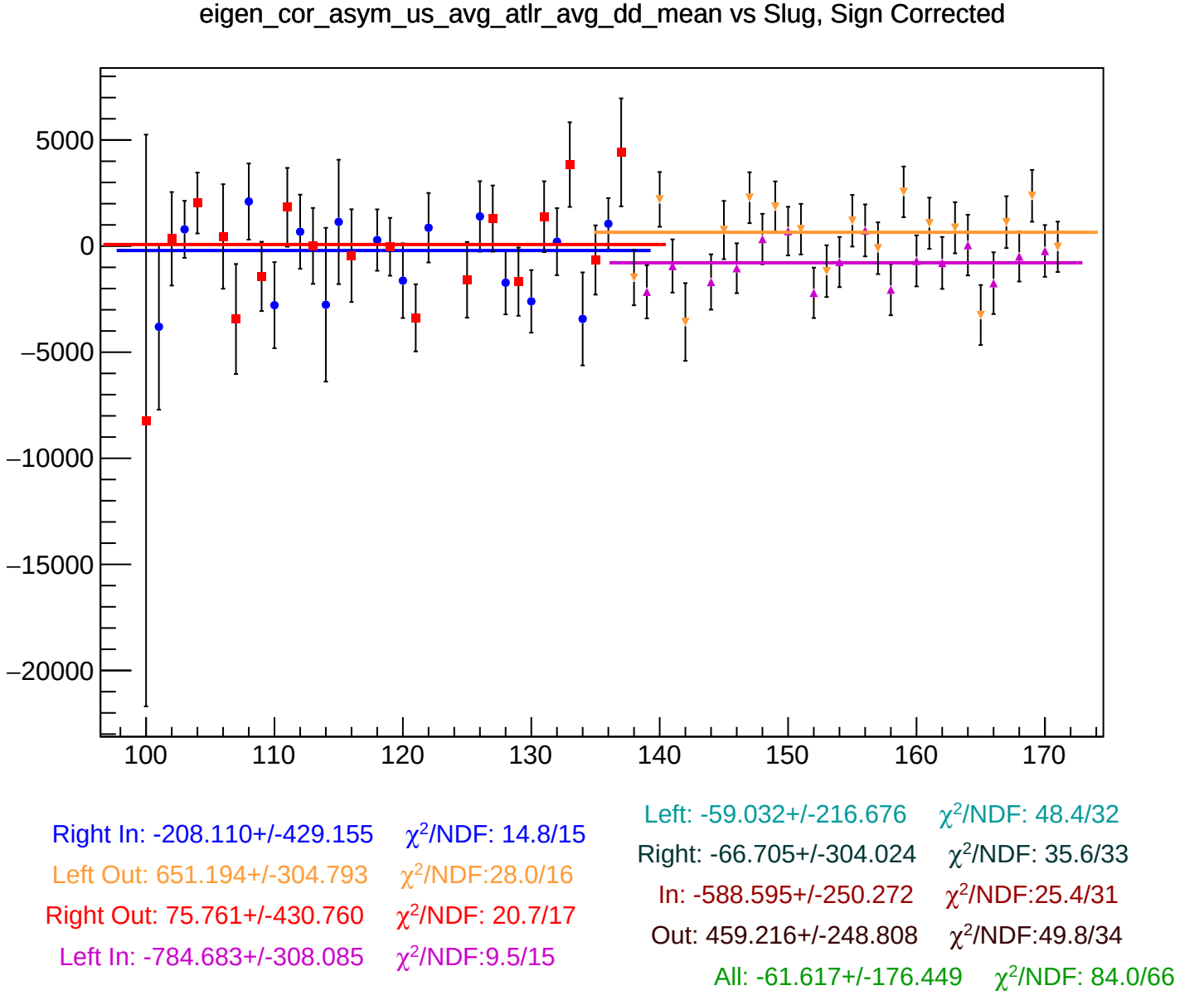
Out: 459.216+/-248.808 χ^2/NDF:49.8/34

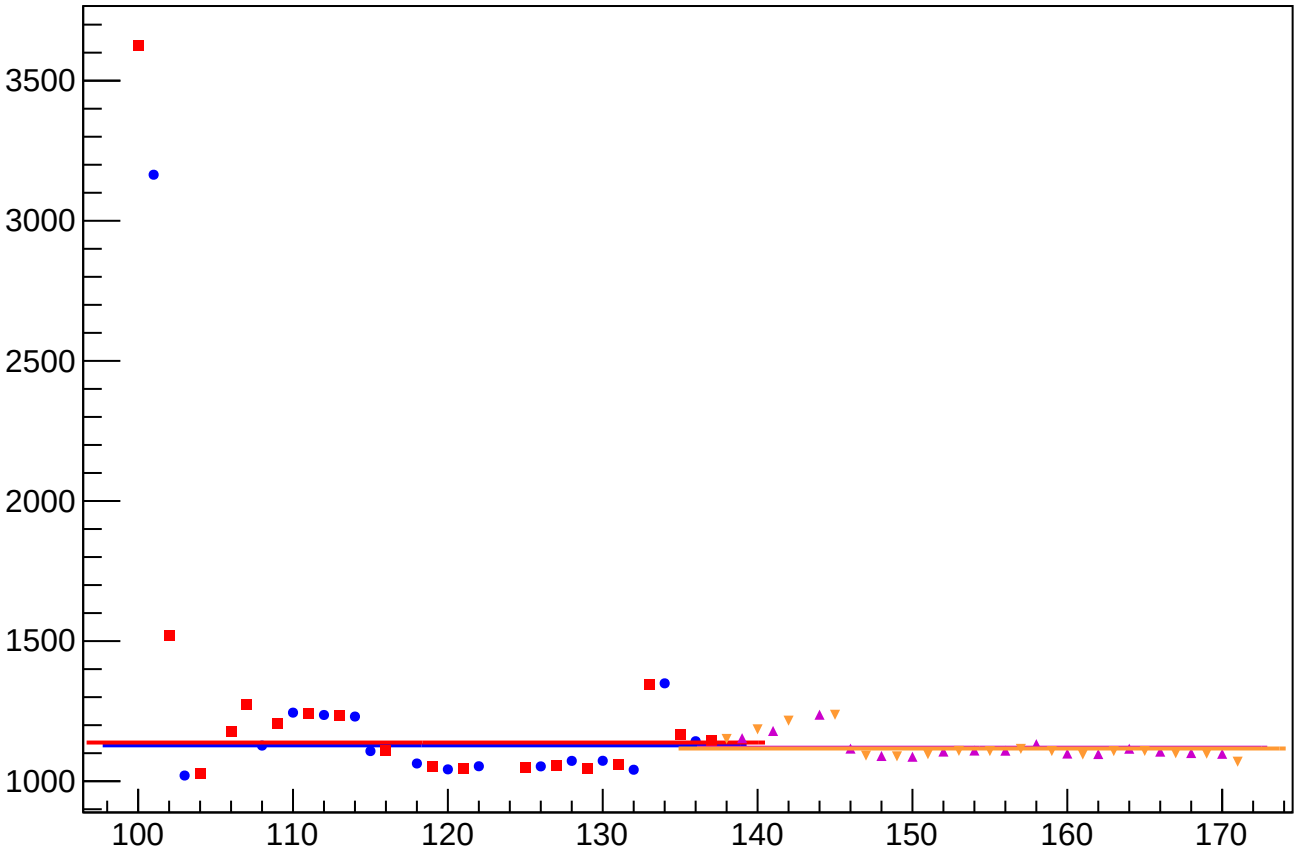
All: -61.617+/-176.449 χ^2/NDF: 84.0/66

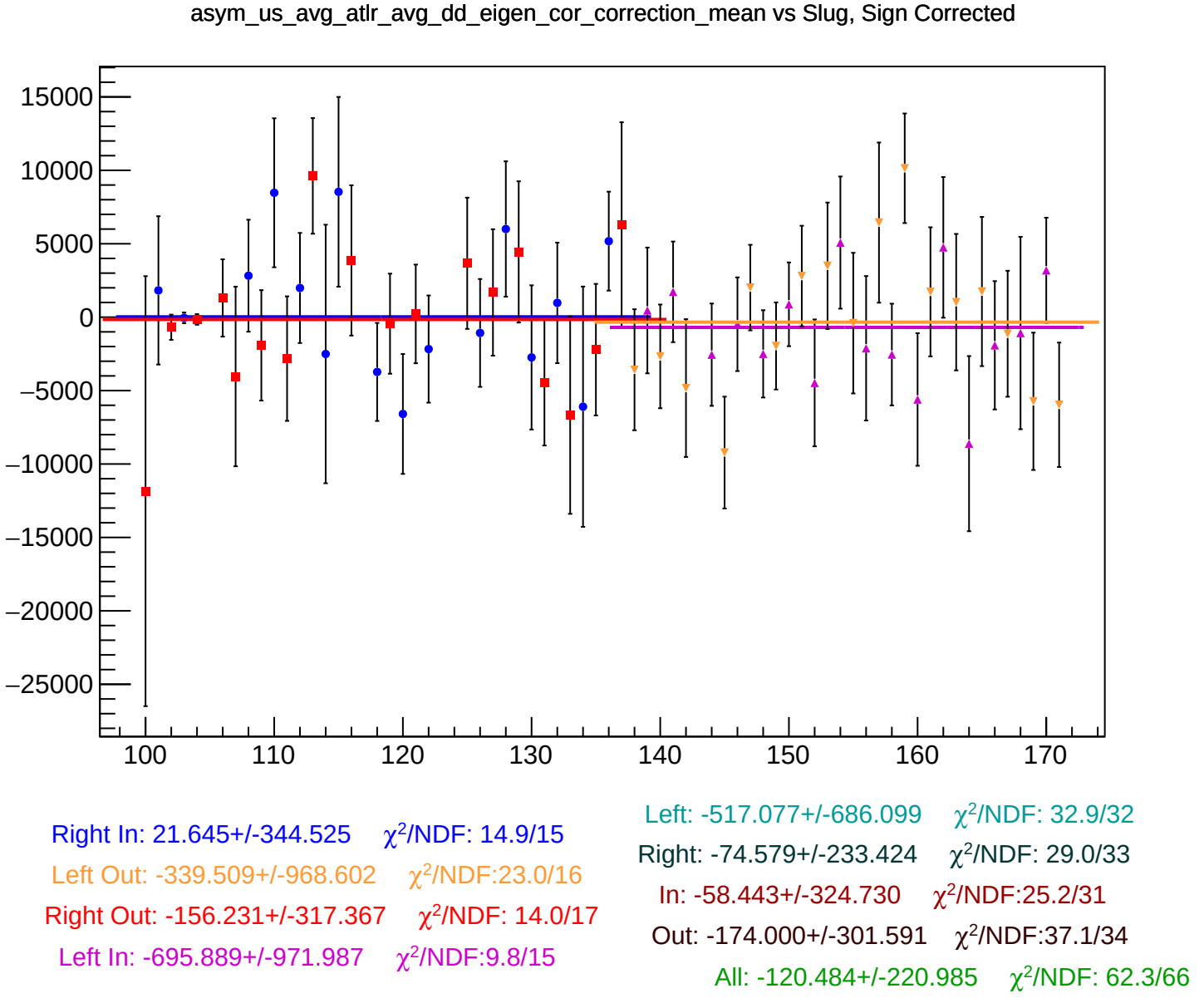

cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1116.726+/-0.216 χ²/NDF:35987.0/16
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1119.596+/-0.218 χ²/NDF:28555.5/15
Left: 1118.146+/-0.153 χ²/NDF: 64630.2/32
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1122.457+/-0.177 χ²/NDF:650458.1/31
Out: 1123.829+/-0.176 χ²/NDF:259864.3/34
All: 1123.147+/-0.125 χ²/NDF: 910352.7/66

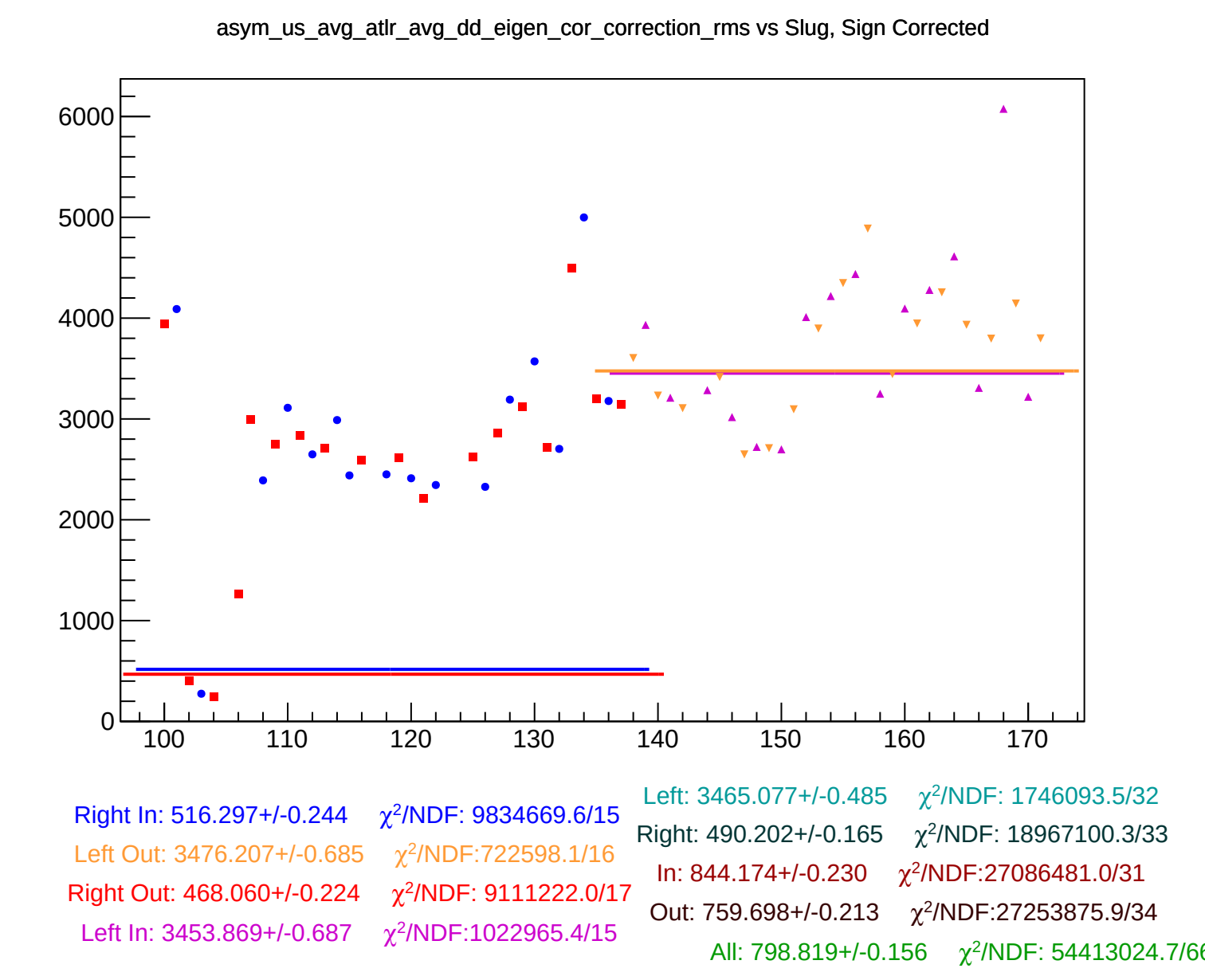

asym_us_avg_atlr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 21.645+/-344.525 χ²/NDF: 14.9/15
Left Out: -339.509+/-968.602 χ²/NDF:23.0/16
Right Out: -156.231+/-317.367 χ²/NDF: 14.0/17
Left In: -695.889+/-971.987 χ²/NDF:9.8/15
Left: -517.077+/-686.099 χ²/NDF: 32.9/32
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -58.443+/-324.730 χ²/NDF:25.2/31
Out: -174.000+/-301.591 χ²/NDF:37.1/34
All: -120.484+/-220.985 χ²/NDF: 62.3/66

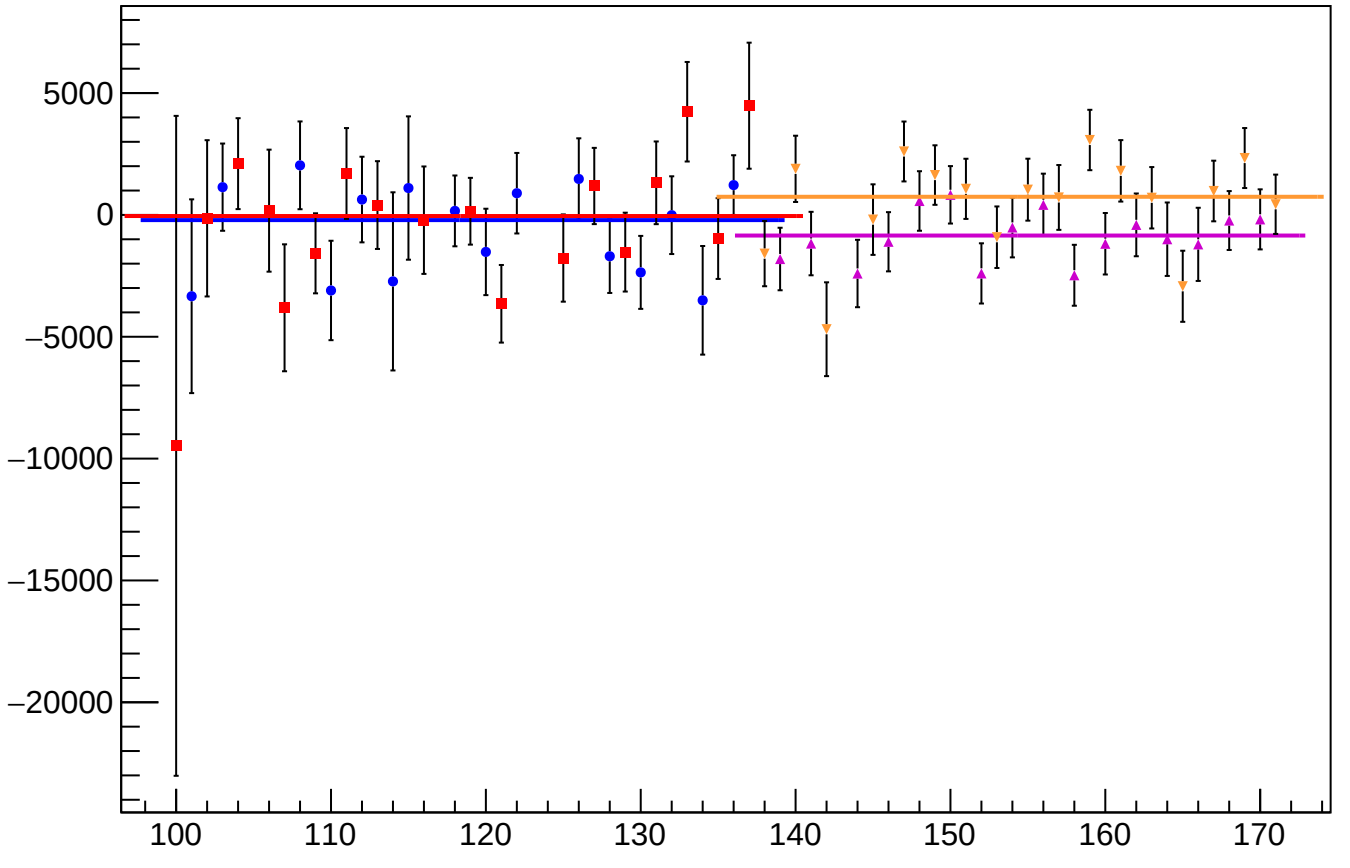

asym_us_avg_atlr_avg_dd_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3476.207+/-0.685 χ²/NDF:722598.1/16
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3453.869+/-0.687 χ²/NDF:1022965.4/15
Left: 3465.077+/-0.485 χ²/NDF: 1746093.5/32
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 844.174+/-0.230 χ²/NDF:27086481.0/31
Out: 759.698+/-0.213 χ²/NDF:27253875.9/34
All: 798.819+/-0.156 χ²/NDF: 54413024.7/66


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -208.110+/-429.155 χ²/NDF: 14.8/15
Left Out: 651.194+/-304.793 χ²/NDF:28.0/16
Right Out: 75.761+/-430.760 χ²/NDF: 20.7/17
Left In: -784.683+/-308.085 χ²/NDF:9.5/15
Left: -59.032+/-216.676 χ²/NDF: 48.4/32
Right: -66.705+/-304.024 χ²/NDF: 35.6/33
In: -588.595+/-250.272 χ²/NDF:25.4/31
Out: 459.216+/-248.808 χ²/NDF:49.8/34
All: -61.617+/-176.449 χ²/NDF: 84.0/66


eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
100
110
120
130
140
150
160
170
Right In: 1128.007+/-0.303 χ²/NDF: 621395.6/15
Left Out: 1116.726+/-0.216 χ²/NDF:35987.0/16
Right Out: 1138.000+/-0.304 χ²/NDF: 220624.5/17
Left In: 1119.596+/-0.218 χ²/NDF:28555.5/15
Left: 1118.146+/-0.153 χ²/NDF: 64630.2/32
Right: 1132.987+/-0.215 χ²/NDF: 842560.5/33
In: 1122.457+/-0.177 χ²/NDF:650458.1/31
Out: 1123.829+/-0.176 χ²/NDF:259864.3/34
All: 1123.147+/-0.125 χ²/NDF: 910352.7/66


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
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: -695.889+/-971.987 χ²/NDF:9.8/15
Left: -517.077+/-686.099 χ²/NDF: 32.9/32
Right: -74.579+/-233.424 χ²/NDF: 29.0/33
In: -58.443+/-324.730 χ²/NDF:25.2/31
Out: -174.000+/-301.591 χ²/NDF:37.1/34
All: -120.484+/-220.985 χ²/NDF: 62.3/66


asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
110
120
130
140
150
160
170
Right In: 516.297+/-0.244 χ²/NDF: 9834669.6/15
Left Out: 3476.207+/-0.685 χ²/NDF:722598.1/16
Right Out: 468.060+/-0.224 χ²/NDF: 9111222.0/17
Left In: 3453.869+/-0.687 χ²/NDF:1022965.4/15
Left: 3465.077+/-0.485 χ²/NDF: 1746093.5/32
Right: 490.202+/-0.165 χ²/NDF: 18967100.3/33
In: 844.174+/-0.230 χ²/NDF:27086481.0/31
Out: 759.698+/-0.213 χ²/NDF:27253875.9/34
All: 798.819+/-0.156 χ²/NDF: 54413024.7/66



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: -846.418+/-319.145 χ^2/NDF:10.4/15

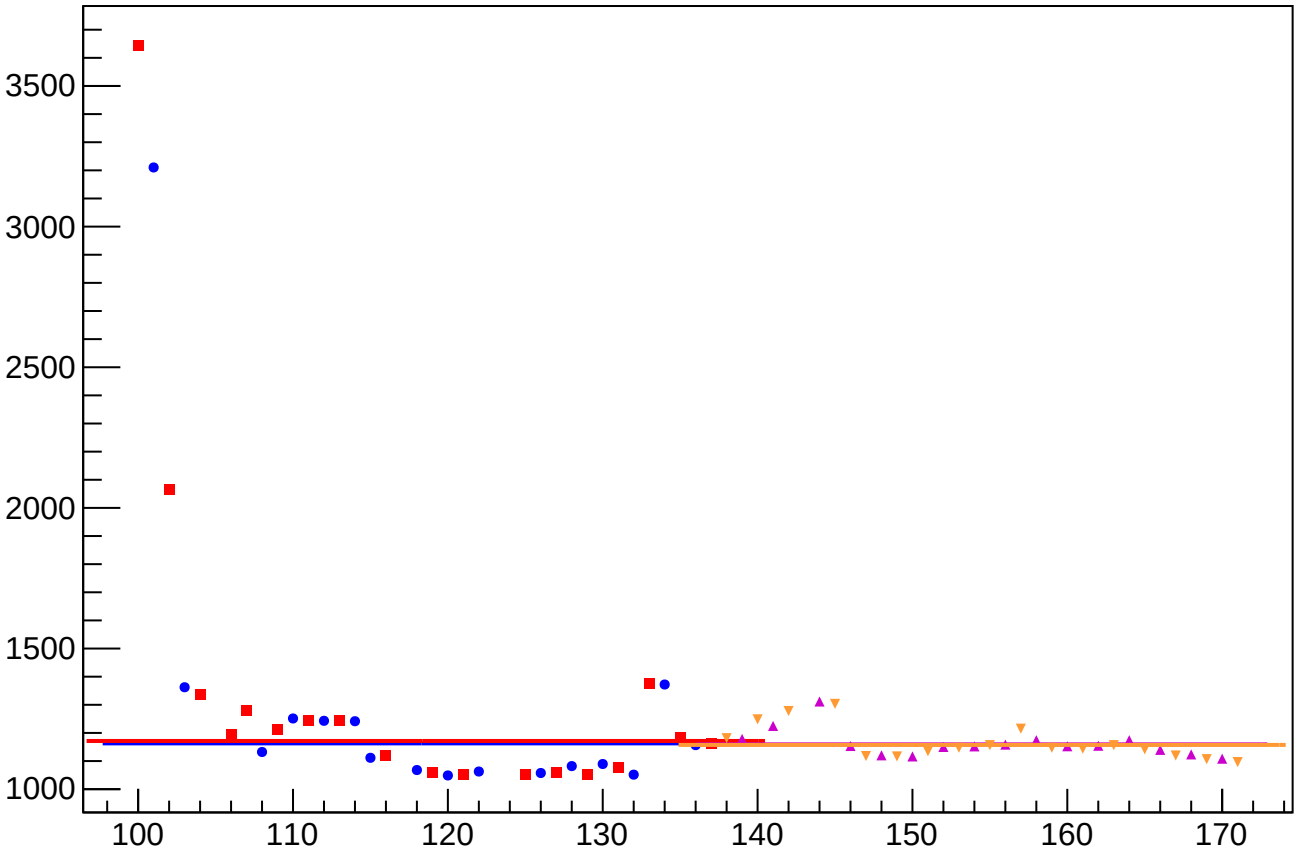
Left: -43.445+/-224.577 χ^2/NDF: 52.1/32

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -629.821+/-258.883 χ^2/NDF:26.1/31

Out: 481.107+/-258.119 χ^2/NDF:52.9/34

All: -72.715+/-182.787 χ^2/NDF: 88.3/66



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: 1159.388+/-0.226 χ^2/NDF:40783.2/15

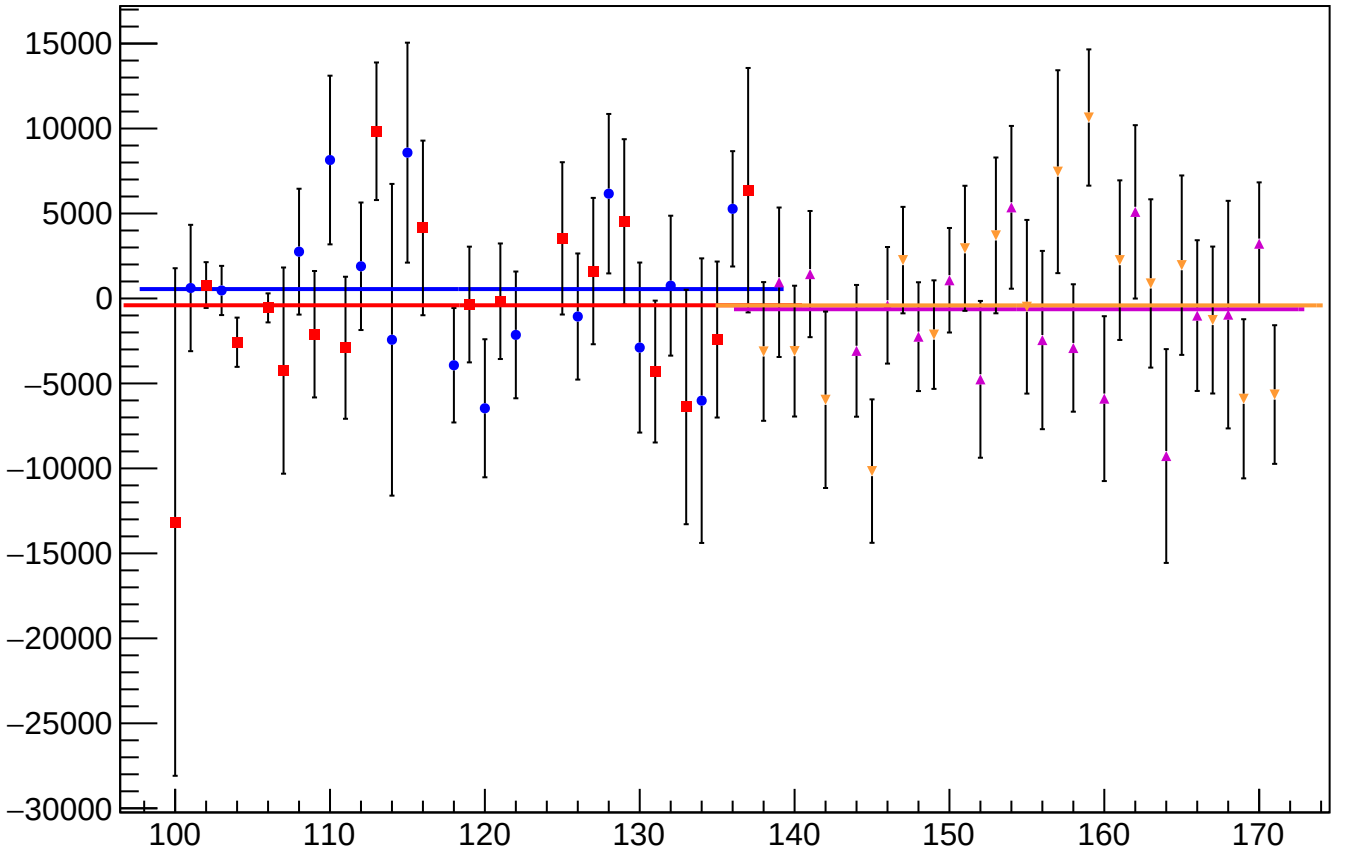
Left: 1158.389+/-0.159 χ^2/NDF: 98253.6/32

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1160.573+/-0.183 χ^2/NDF:676217.1/31

Out: 1162.080+/-0.182 χ^2/NDF:390382.3/34

All: 1161.329+/-0.129 χ^2/NDF: 1066633.4/66



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: -633.685+/-1035.139 χ^2/NDF:9.7/15

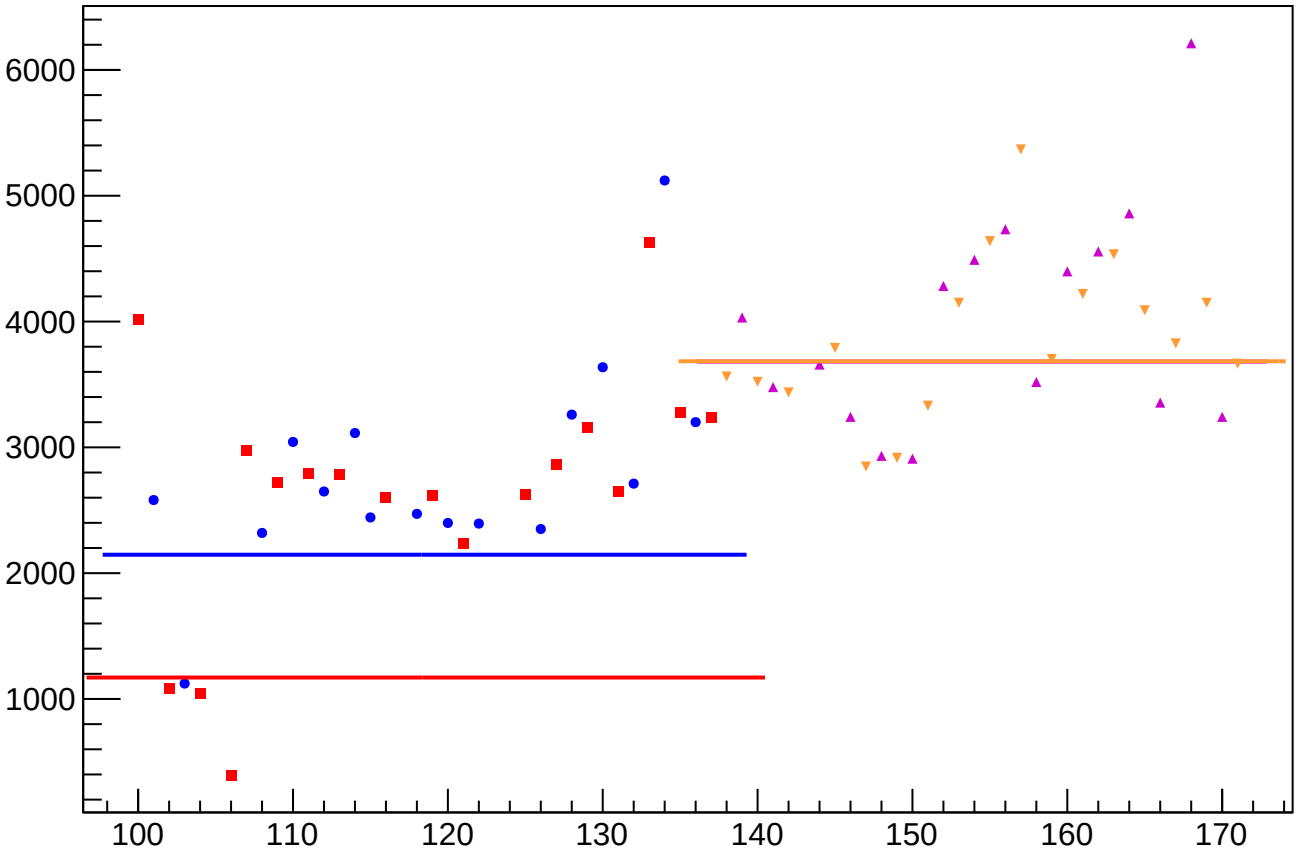
Left: -519.182+/-728.324 χ^2/NDF: 32.8/32

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 58.743+/-667.856 χ^2/NDF:24.9/31

Out: -401.948+/-495.386 χ^2/NDF:39.7/34

All: -238.438+/-397.878 χ^2/NDF: 64.9/66



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: 3681.917+/-0.732 χ^2/NDF:960909.2/15

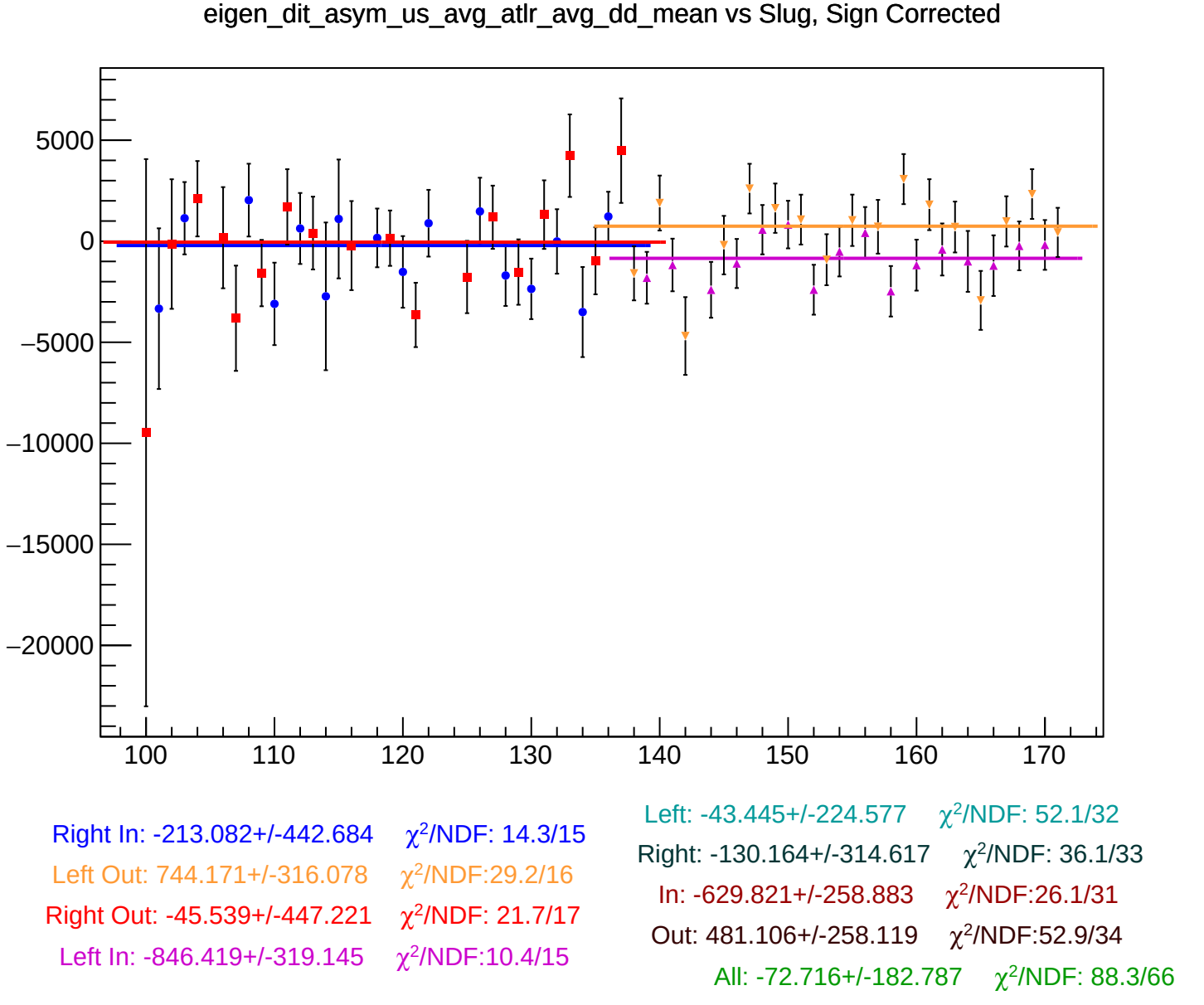
Left: 3683.091+/-0.515 χ^2/NDF: 1616890.2/32

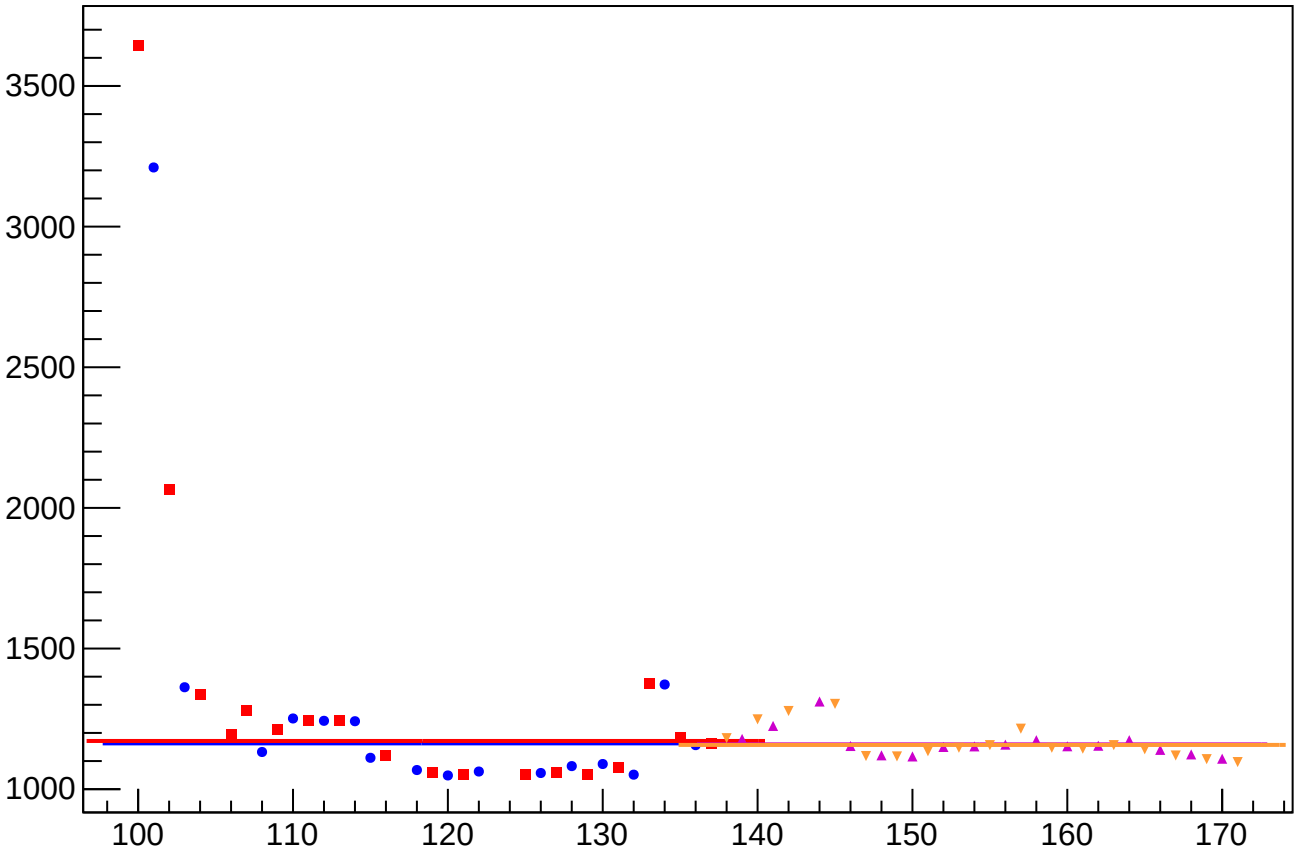
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2785.707+/-0.472 χ^2/NDF:5503877.3/31

Out: 1757.780+/-0.350 χ^2/NDF:15692674.3/34

All: 2122.614+/-0.281 χ^2/NDF: 24252886.2/6


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: -213.082+/-442.684 χ²/NDF: 14.3/15
Left Out: 744.171+/-316.078 χ²/NDF:29.2/16
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -846.419+/-319.145 χ²/NDF:10.4/15
Left: -43.445+/-224.577 χ²/NDF: 52.1/32
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -629.821+/-258.883 χ²/NDF:26.1/31
Out: 481.106+/-258.119 χ²/NDF:52.9/34
All: -72.716+/-182.787 χ²/NDF: 88.3/66



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: 1159.389+/-0.226 χ^2/NDF:40783.5/15

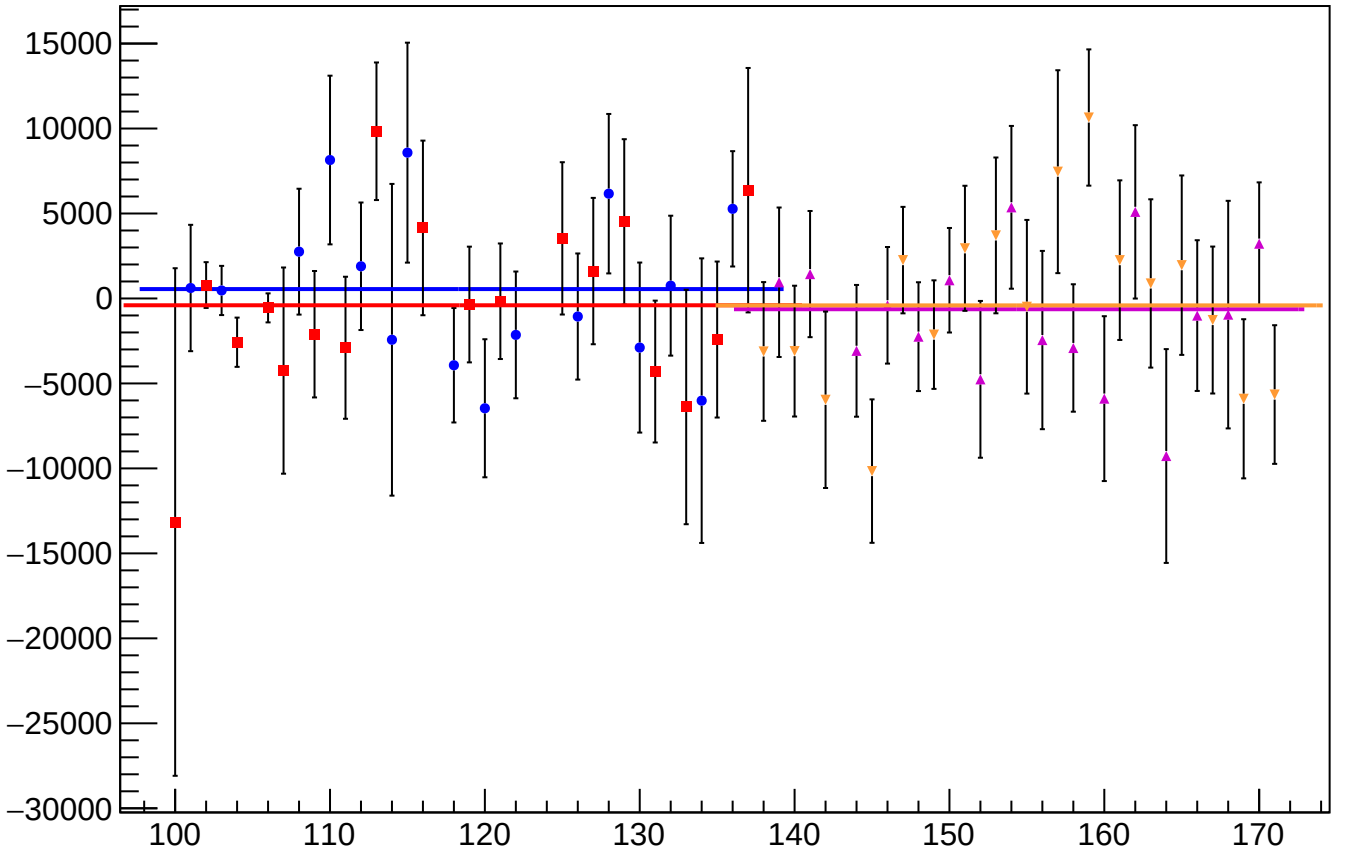
Left: 1158.390+/-0.159 χ^2/NDF: 98254.9/32

Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1160.573+/-0.183 χ^2/NDF:676217.5/31

Out: 1162.080+/-0.182 χ^2/NDF:390382.8/34

All: 1161.329+/-0.129 χ^2/NDF: 1066634.3/66



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: -633.683+/-1035.140 χ^2/NDF:9.7/15

Left: -519.181+/-728.325 χ^2/NDF: 32.8/32

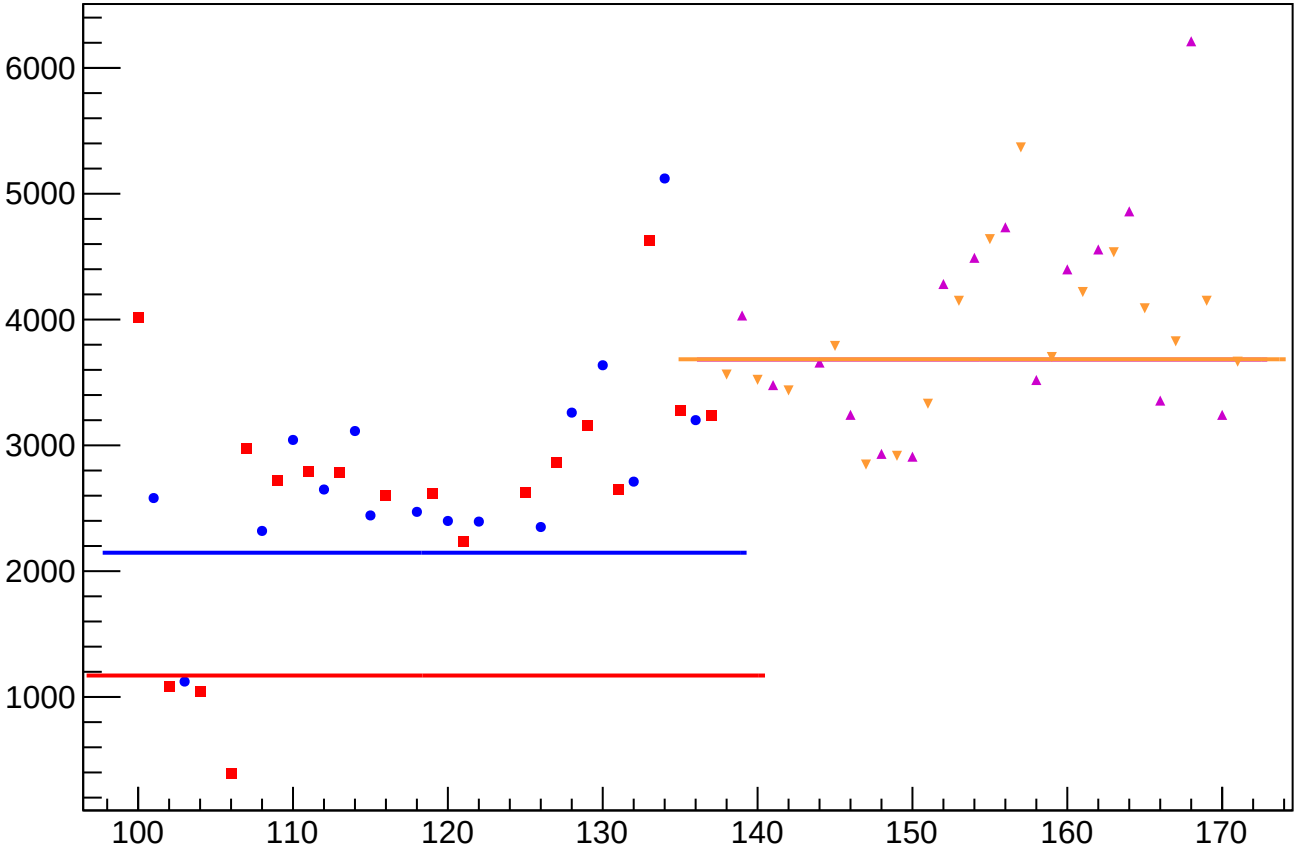
Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 58.742+/-667.856 χ^2/NDF:24.9/31

Out: -401.949+/-495.381 χ^2/NDF:39.7/34

All: -238.442+/-397.875 χ^2/NDF: 64.9/66

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3684.247+/-0.725 χ^2/NDF:655977.7/16

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3681.921+/-0.732 χ^2/NDF:960911.8/15

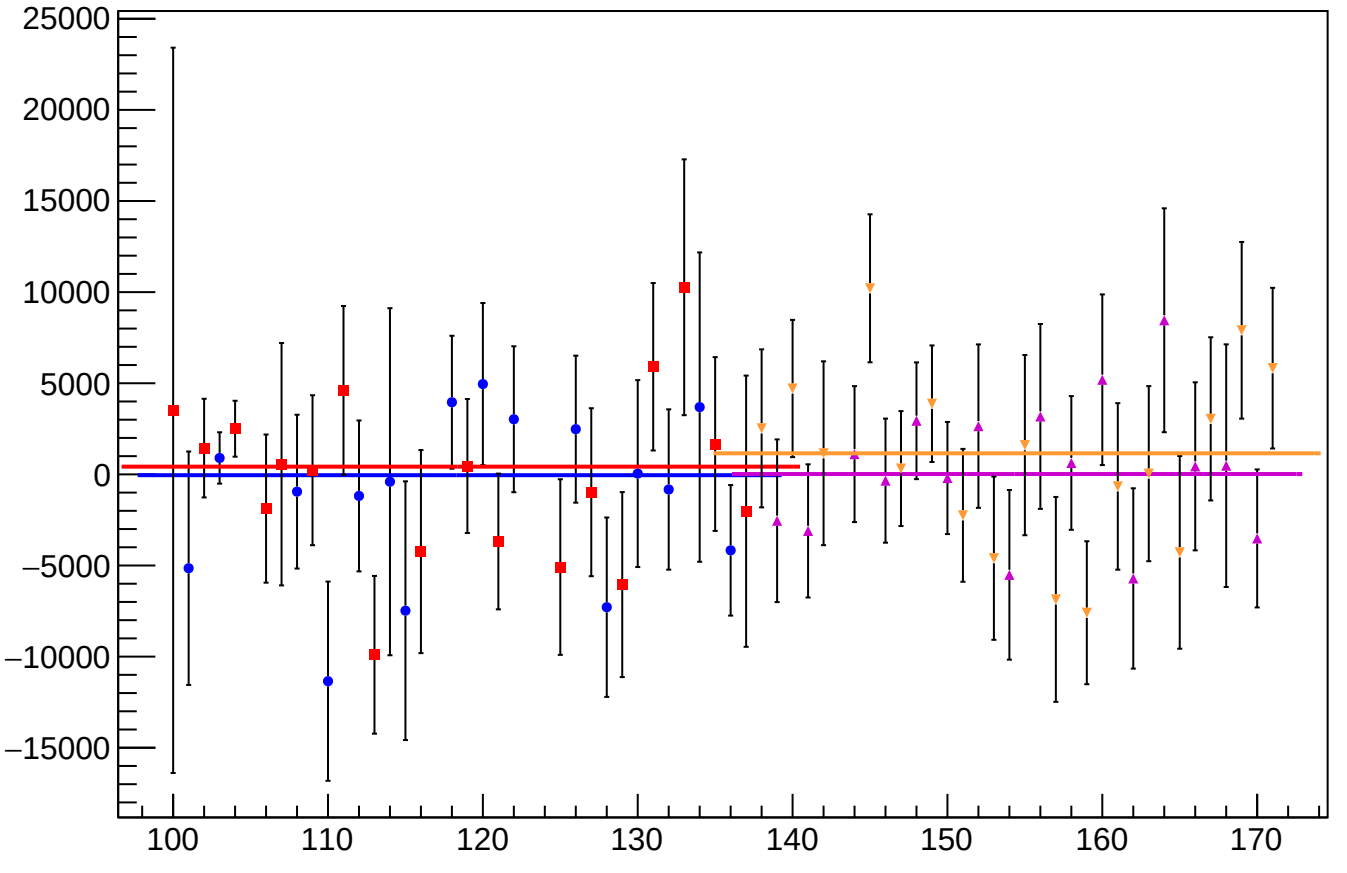
Left: 3683.096+/-0.515 χ^2/NDF: 1616894.6/32

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2785.705+/-0.472 χ^2/NDF:5503899.7/31

Out: 1757.751+/-0.350 χ^2/NDF:15693040.2/34

All: 2122.591+/-0.281 χ^2/NDF: 24253453.1/6



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: 18.380+/-1027.196 χ^2/NDF:9.5/15

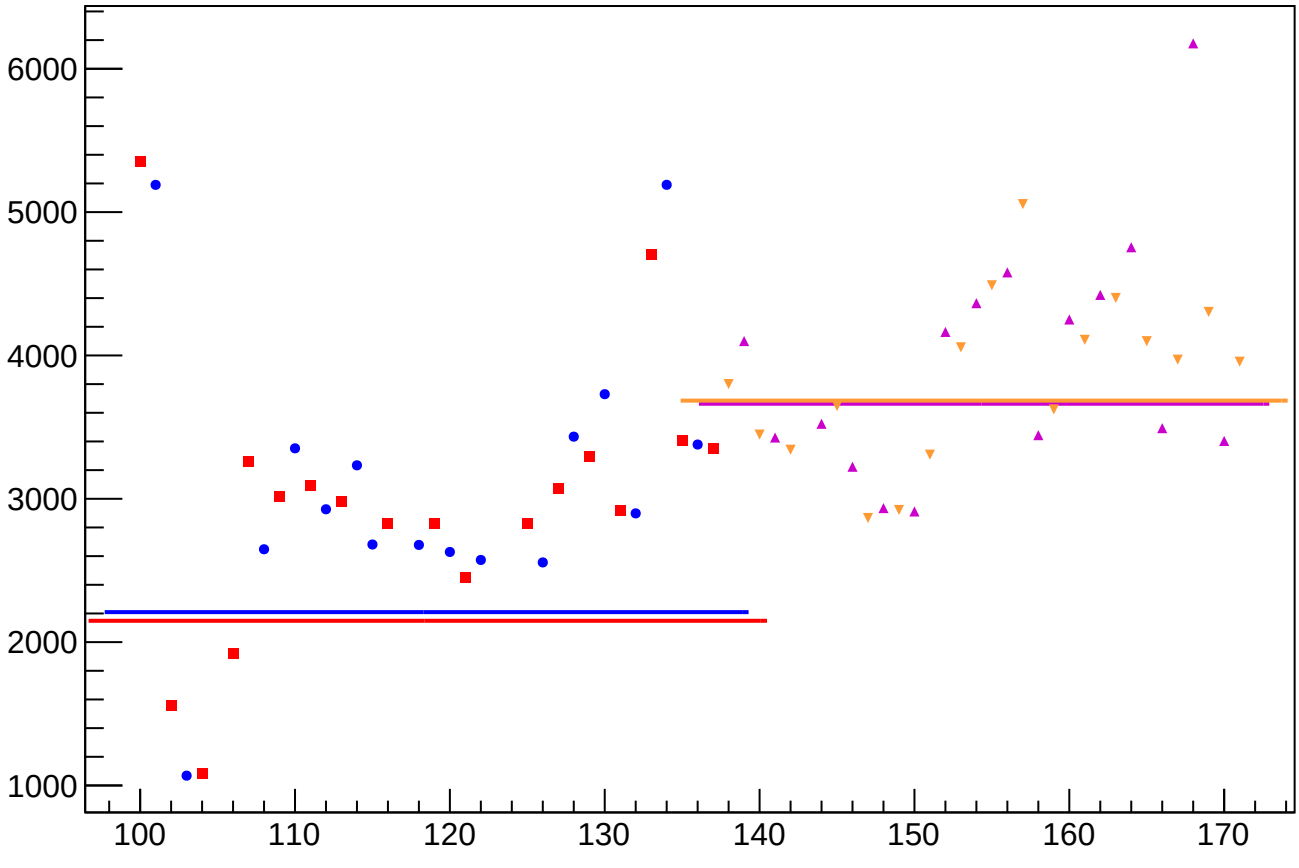
Left: 589.471+/-724.849 χ^2/NDF: 30.9/32

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -16.694+/-685.618 χ^2/NDF:23.2/31

Out: 741.725+/-674.335 χ^2/NDF:38.4/34

All: 368.807+/-480.766 χ^2/NDF: 62.3/66



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: 3663.148+/-0.726 χ^2/NDF:868370.3/15

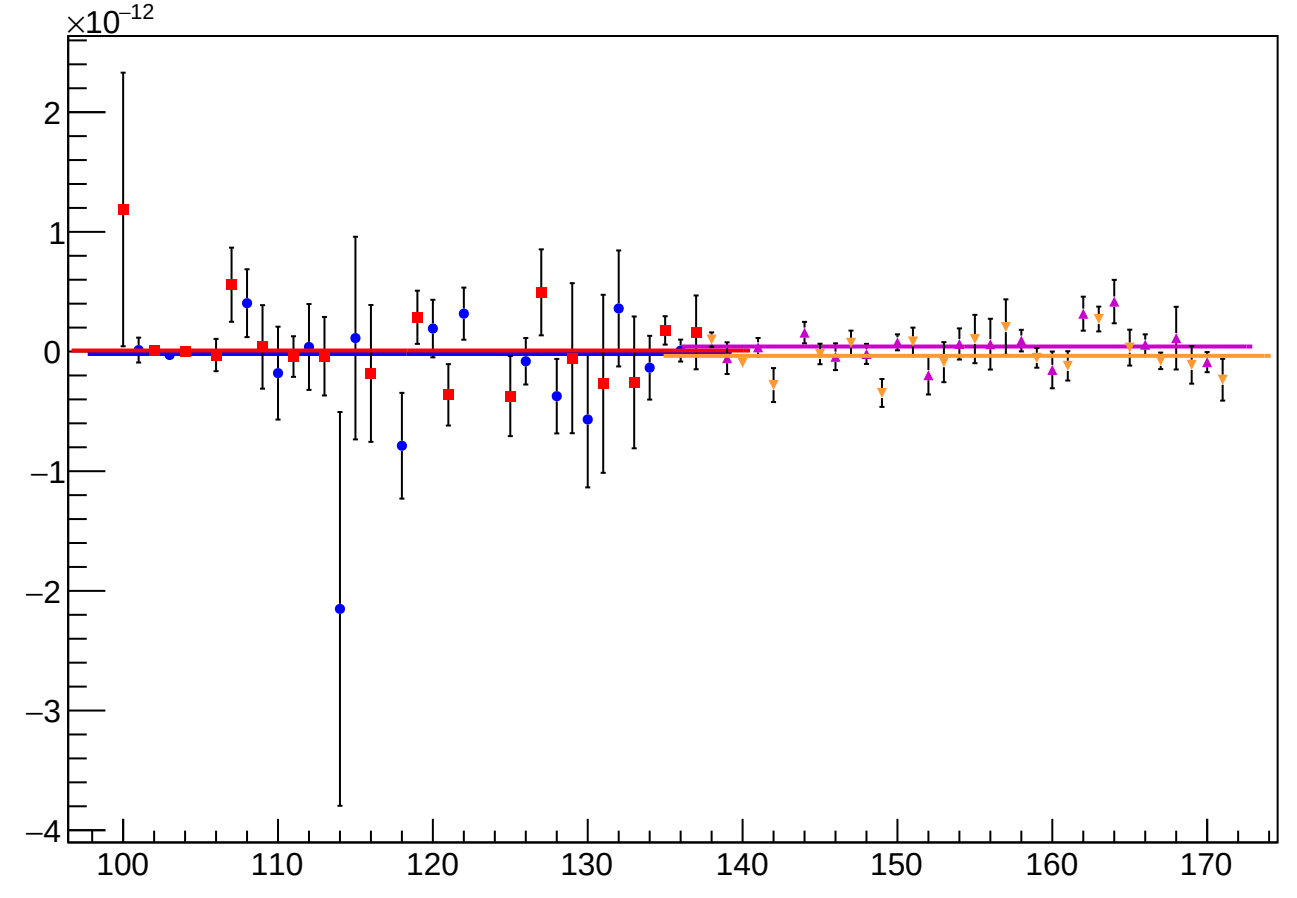
Left: 3674.044+/-0.513 χ^2/NDF: 1466047.1/32

Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2857.029+/-0.485 χ^2/NDF:5926646.7/31

Out: 2814.509+/-0.476 χ^2/NDF:5421549.1/34

All: 2835.387+/-0.340 χ^2/NDF: 11352110.7/6



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:18.3/15

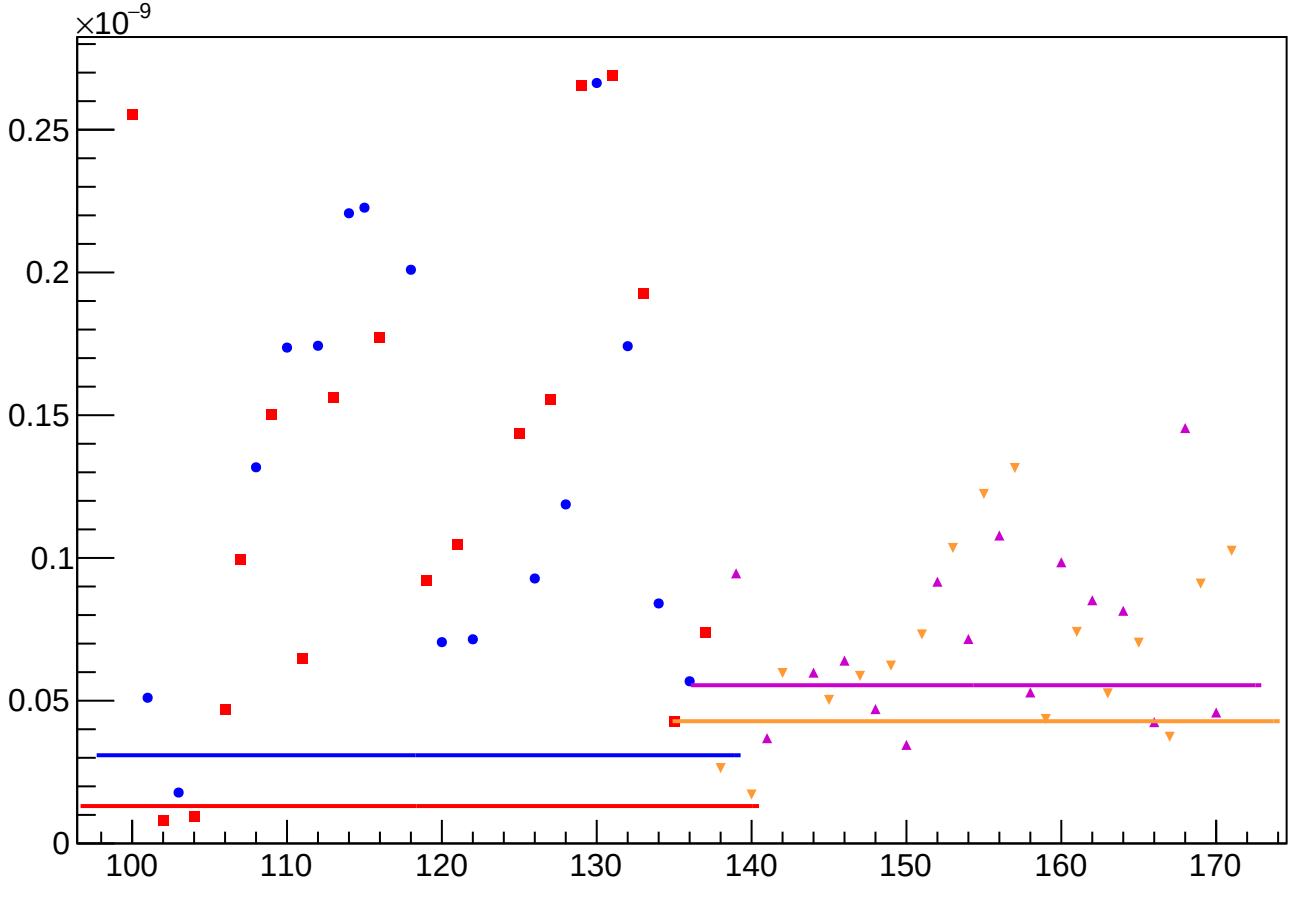
Left: -0.000+/-0.000 χ^2/NDF: 55.8/32

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:34.9/31

Out: -0.000+/-0.000 χ^2/NDF:49.1/34

All: -0.000+/-0.000 χ^2/NDF: 84.5/66



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:1371909.3/15

Left: 0.000+/-0.000 χ^2/NDF: 4379765.0/32

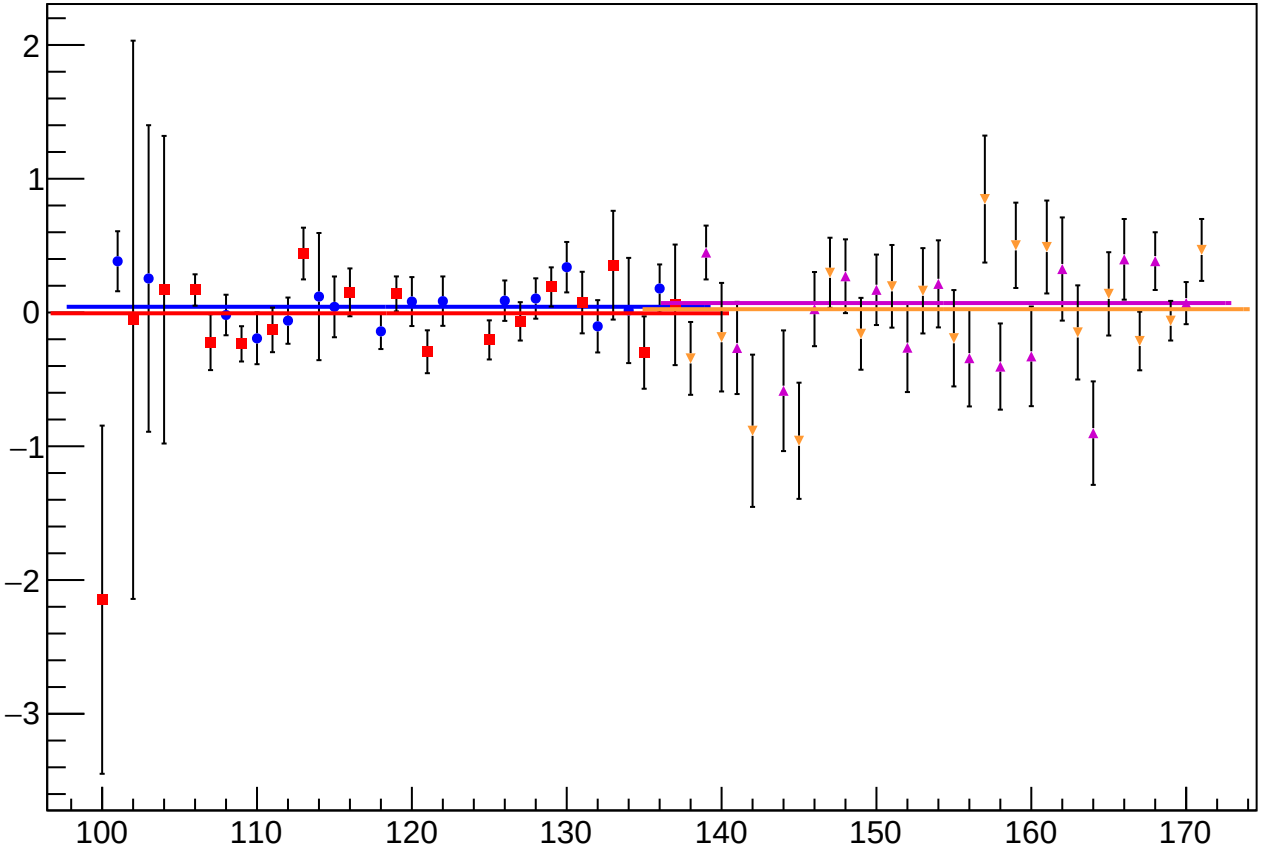
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5268772.2/31

Out: 0.000+/-0.000 χ^2/NDF:8862067.7/34

All: 0.000+/-0.000 χ^2/NDF: 15857316.0/66

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.025+/-0.069 χ^2/NDF:24.8/16

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.071+/-0.069 χ^2/NDF:23.1/15

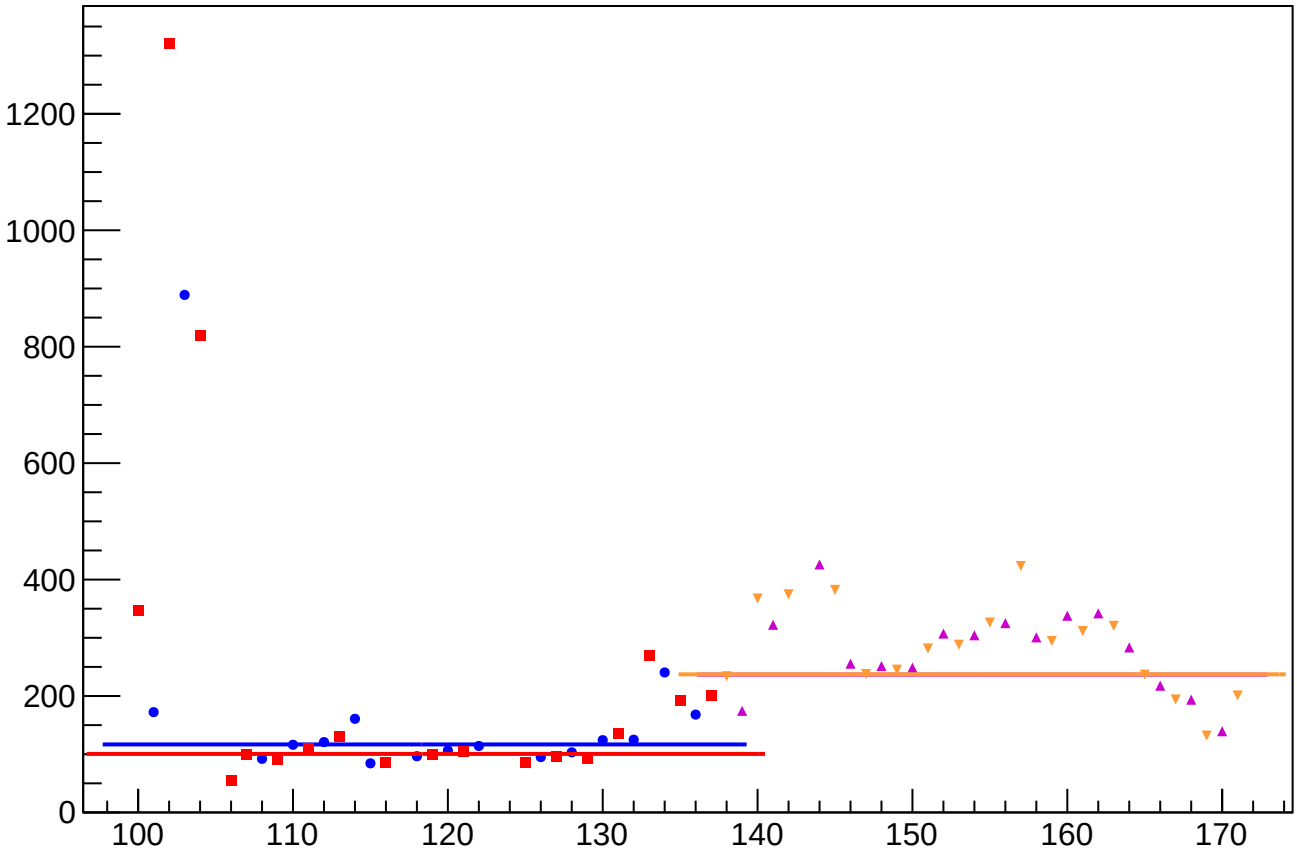
Left: 0.048+/-0.049 χ^2/NDF: 48.1/32

Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.039 χ^2/NDF:33.5/31

Out: 0.003+/-0.037 χ^2/NDF:50.9/34

All: 0.026+/-0.027 χ^2/NDF: 85.3/66



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: 236.734+/-0.049 χ^2/NDF:2237149.8/15

Left: 237.002+/-0.035 χ^2/NDF: 4709411.0/32

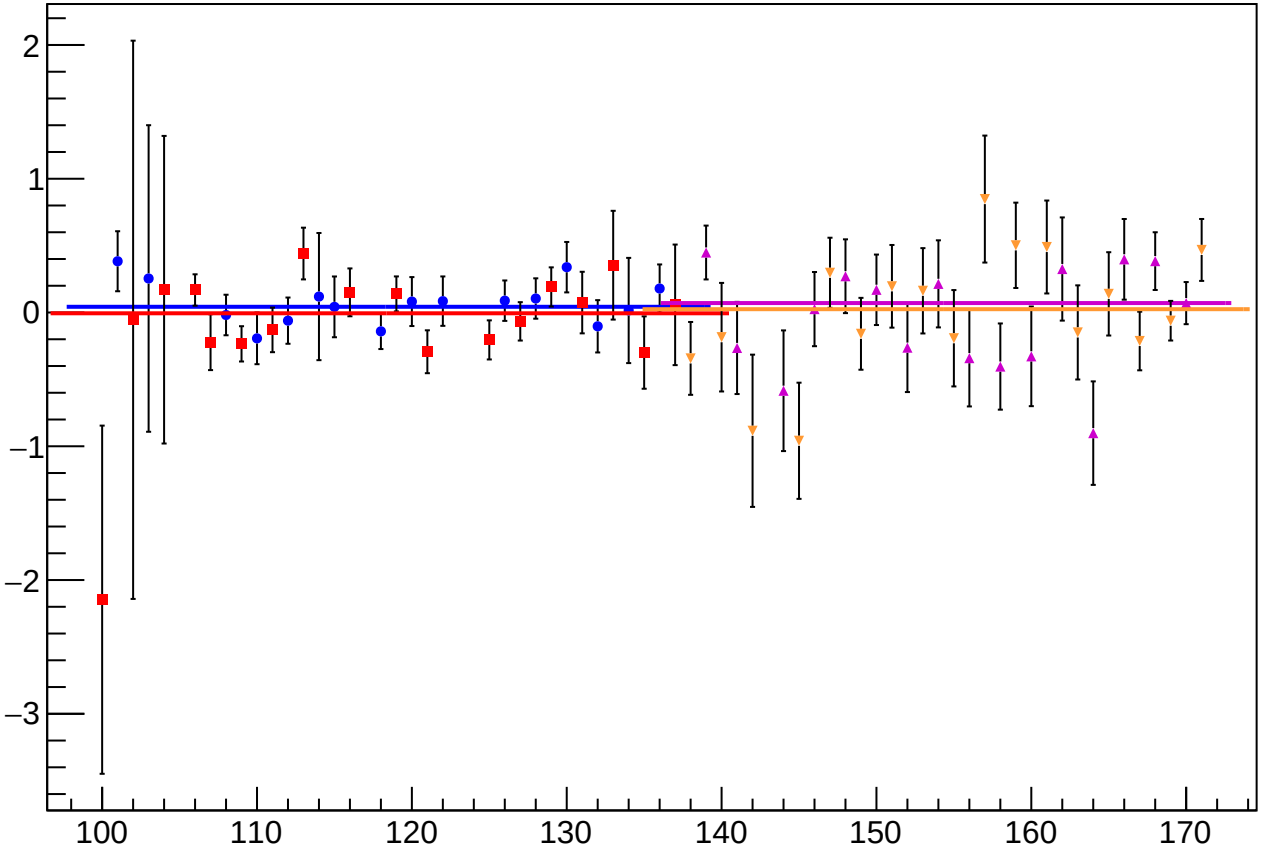
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 155.072+/-0.028 χ^2/NDF:7926913.5/31

Out: 139.315+/-0.026 χ^2/NDF:10769979.0/34

All: 146.685+/-0.019 χ^2/NDF: 18869142.2/66

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: 0.071+/-0.069 χ^2/NDF:23.1/15

Left: 0.048+/-0.049 χ^2/NDF: 48.1/32

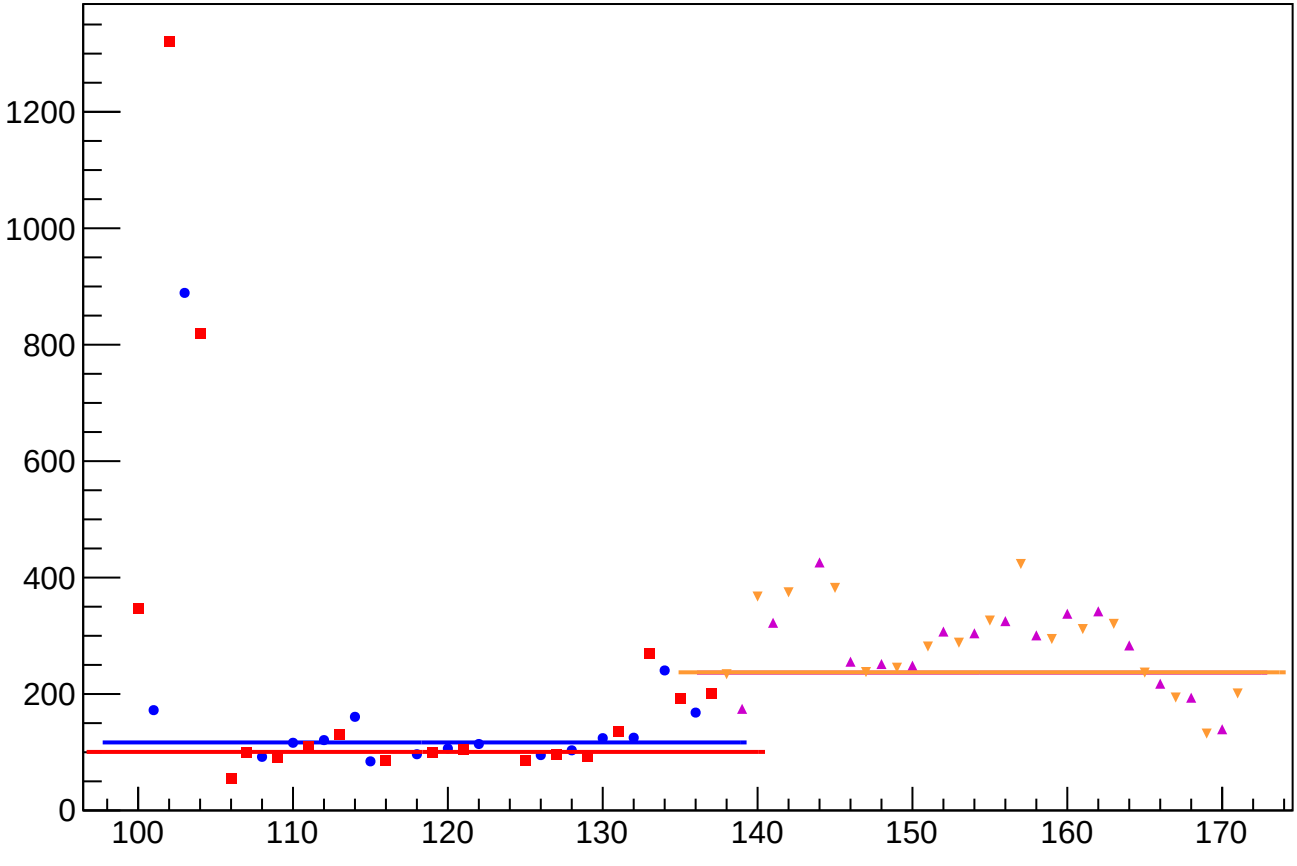
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.039 χ^2/NDF:33.5/31

Out: 0.003+/-0.037 χ^2/NDF:50.9/34

All: 0.026+/-0.027 χ^2/NDF: 85.3/66

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: 236.734+/-0.049 χ^2/NDF:2237149.8/15

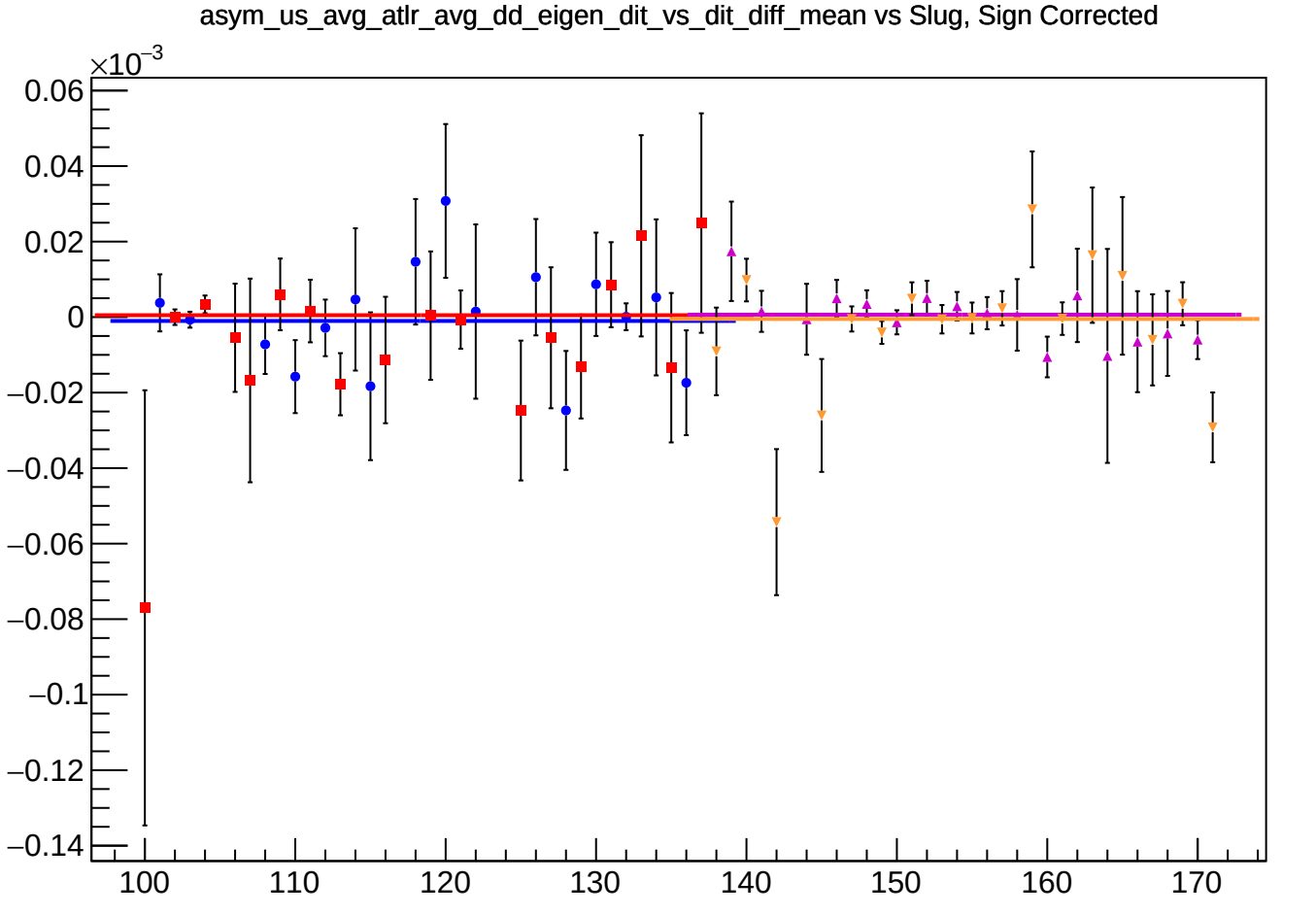
Left: 237.002+/-0.035 χ^2/NDF: 4709411.0/32

Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 155.072+/-0.028 χ^2/NDF:7926913.5/31

Out: 139.315+/-0.026 χ^2/NDF:10769979.0/34

All: 146.685+/-0.019 χ^2/NDF: 18869142.2/66



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:11.5/15

Left: 0.000+/-0.000 χ^2/NDF: 44.9/32

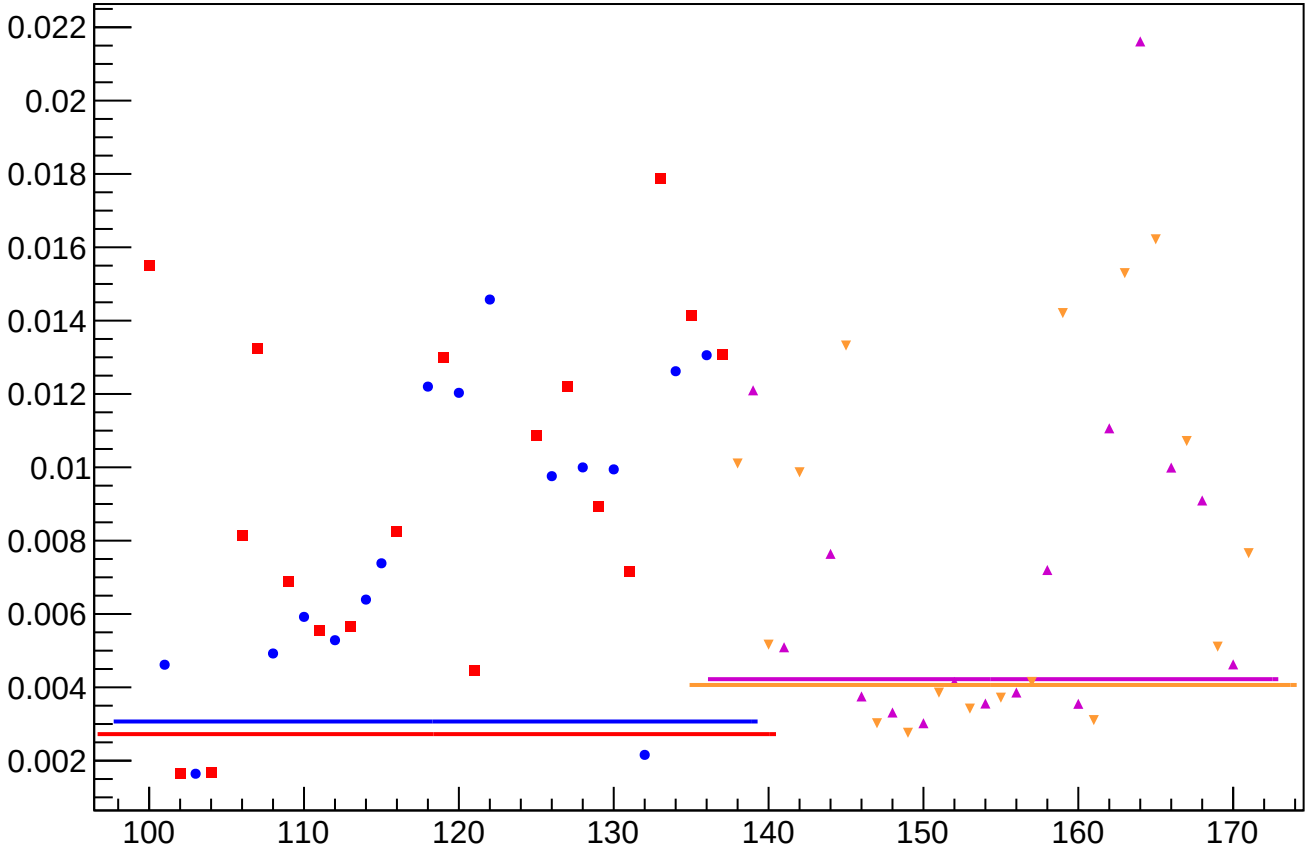
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:24.7/31

Out: -0.000+/-0.000 χ^2/NDF:48.3/34

All: -0.000+/-0.000 χ^2/NDF: 73.1/66

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:3889831.6/15

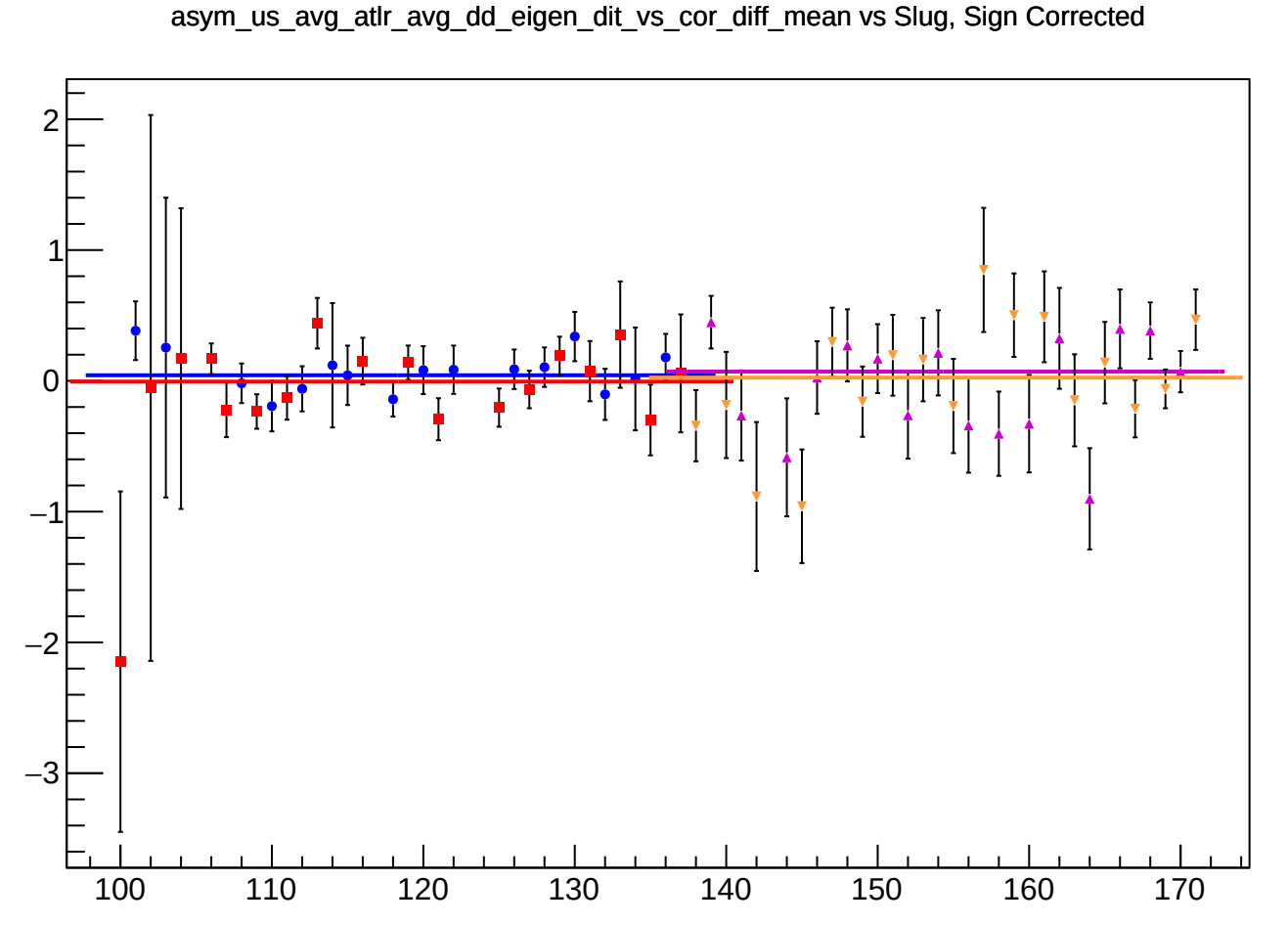
Left: 0.004+/-0.000 χ^2/NDF: 9528177.2/32

Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

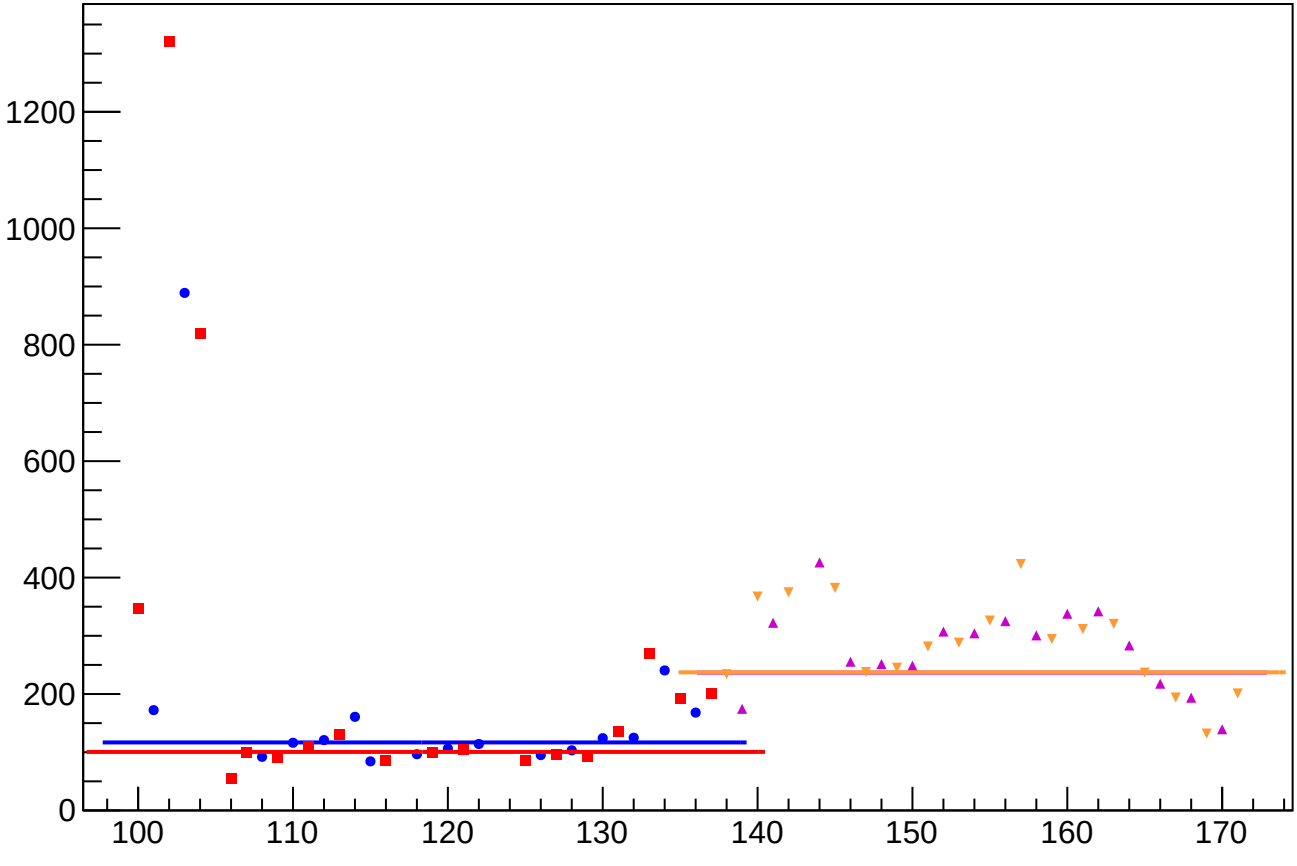
In: 0.004+/-0.000 χ^2/NDF:10468487.4/31

Out: 0.003+/-0.000 χ^2/NDF:13323907.5/34

All: 0.004+/-0.000 χ^2/NDF: 23879213.1/66


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.043+/-0.047 χ²/NDF: 10.3/15
Left Out: 0.025+/-0.069 χ²/NDF:24.8/16
Right Out: -0.006+/-0.043 χ²/NDF: 26.0/17
Left In: 0.071+/-0.069 χ²/NDF:23.1/15
Left: 0.048+/-0.049 χ²/NDF: 48.1/32
Right: 0.016+/-0.032 χ²/NDF: 36.9/33
In: 0.052+/-0.039 χ²/NDF:33.5/31
Out: 0.003+/-0.037 χ²/NDF:50.9/34
All: 0.026+/-0.027 χ²/NDF: 85.3/66

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: 236.737+/-0.049 χ^2/NDF:2237154.6/15

Left: 237.004+/-0.035 χ^2/NDF: 4709510.8/32

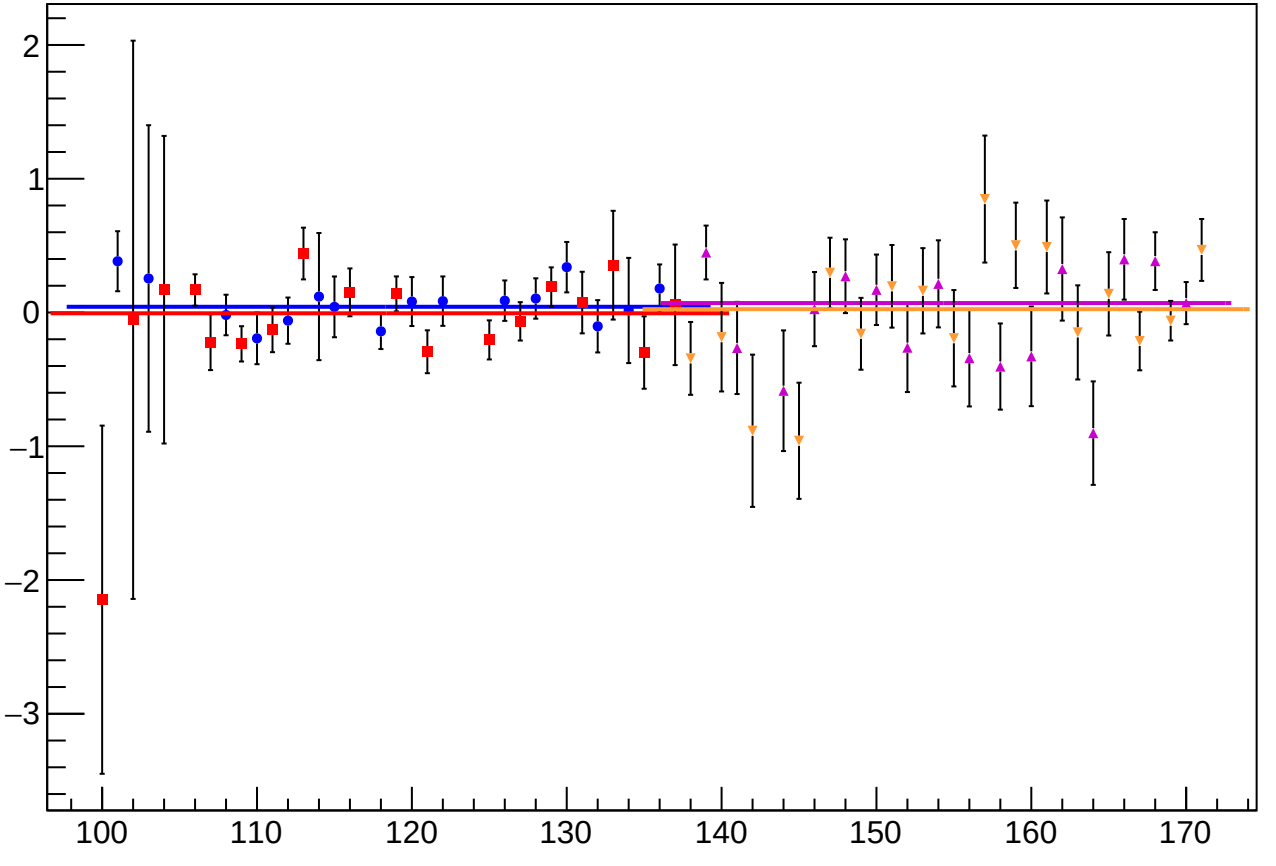
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 155.073+/-0.028 χ^2/NDF:7927054.8/31

Out: 139.314+/-0.026 χ^2/NDF:10770290.4/34

All: 146.684+/-0.019 χ^2/NDF: 18869621.3/66

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: 0.071+/-0.069 χ^2/NDF:23.1/15

Left: 0.048+/-0.049 χ^2/NDF: 48.1/32

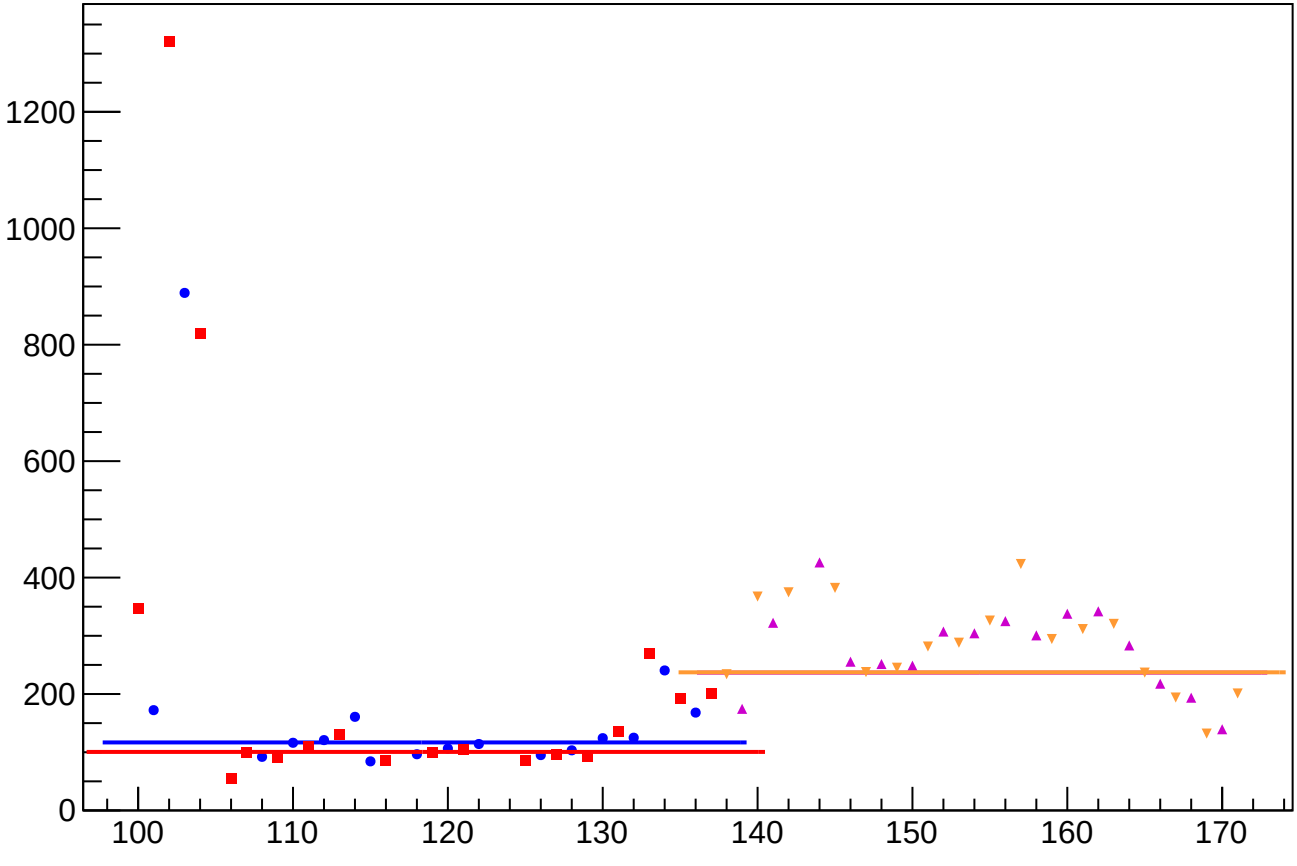
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.052+/-0.039 χ^2/NDF:33.5/31

Out: 0.003+/-0.037 χ^2/NDF:50.9/34

All: 0.026+/-0.027 χ^2/NDF: 85.3/66

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: 236.737+/-0.049 χ^2/NDF:2237154.6/15

Left: 237.004+/-0.035 χ^2/NDF: 4709510.8/32

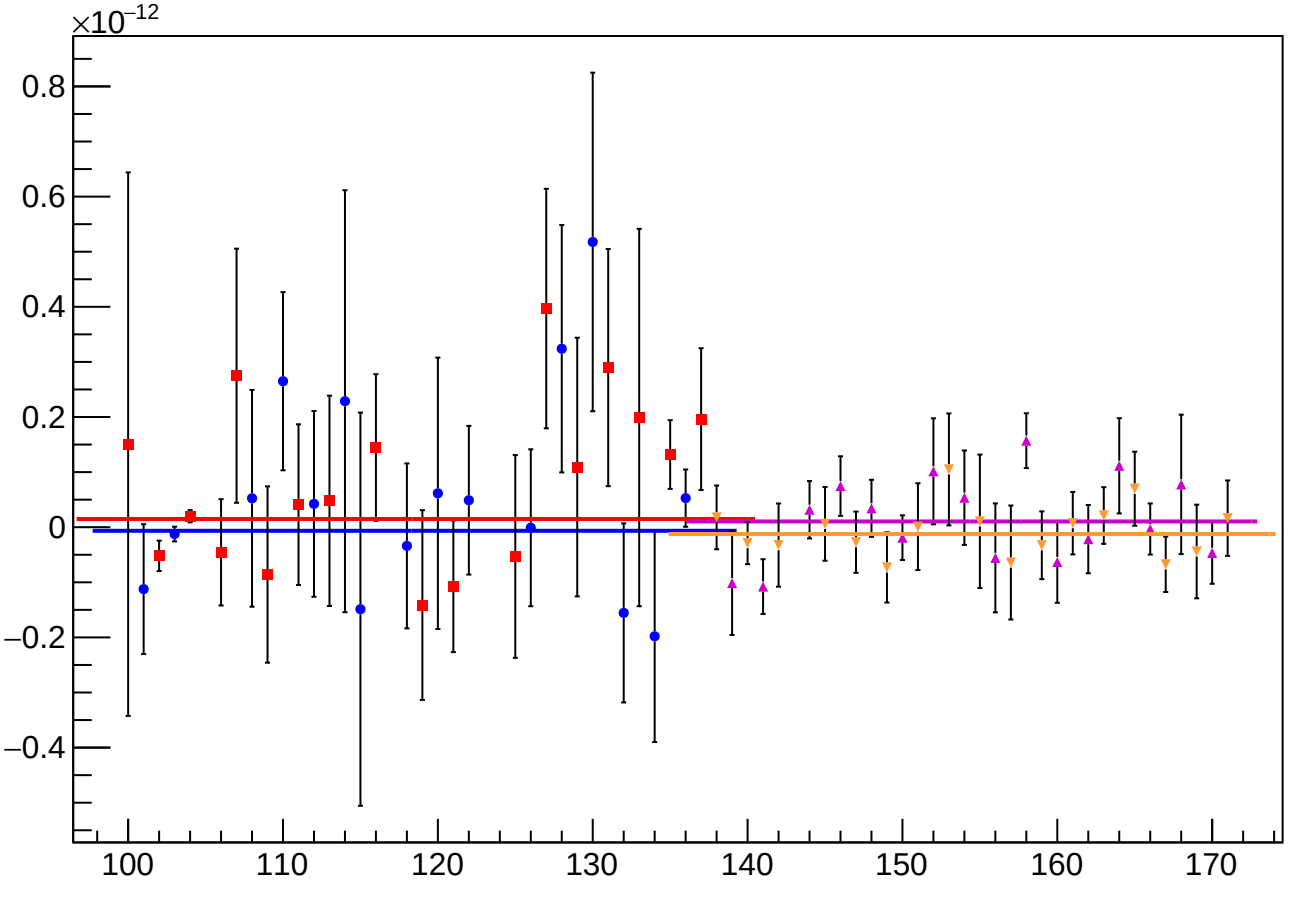
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 155.073+/-0.028 χ^2/NDF:7927054.8/31

Out: 139.314+/-0.026 χ^2/NDF:10770290.4/34

All: 146.684+/-0.019 χ^2/NDF: 18869621.3/66

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:23.7/15

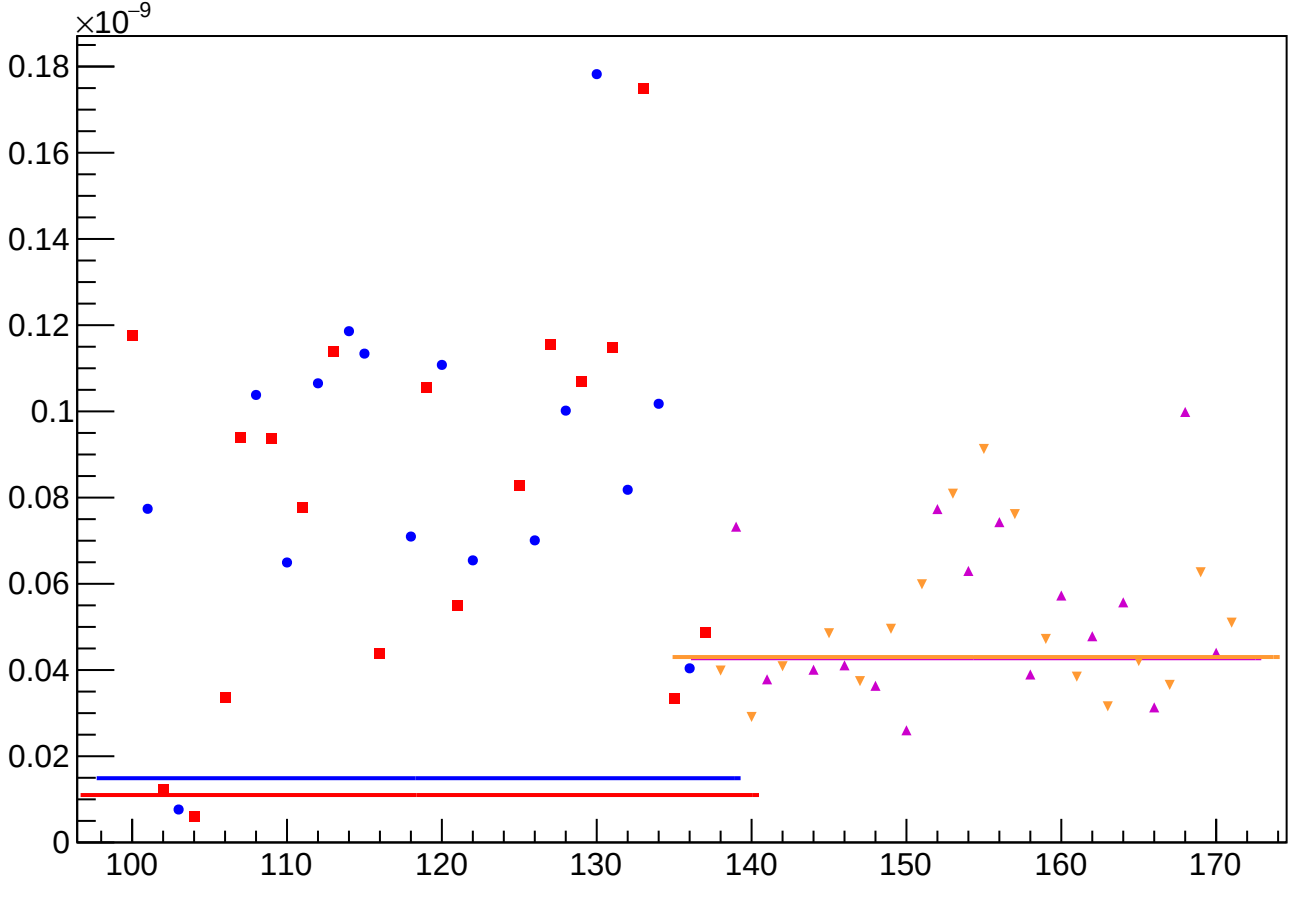
Left: -0.000+/-0.000 χ^2/NDF: 31.7/32

Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:37.5/31

Out: 0.000+/-0.000 χ^2/NDF:31.0/34

All: 0.000+/-0.000 χ^2/NDF: 68.8/66



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:1857623.1/15

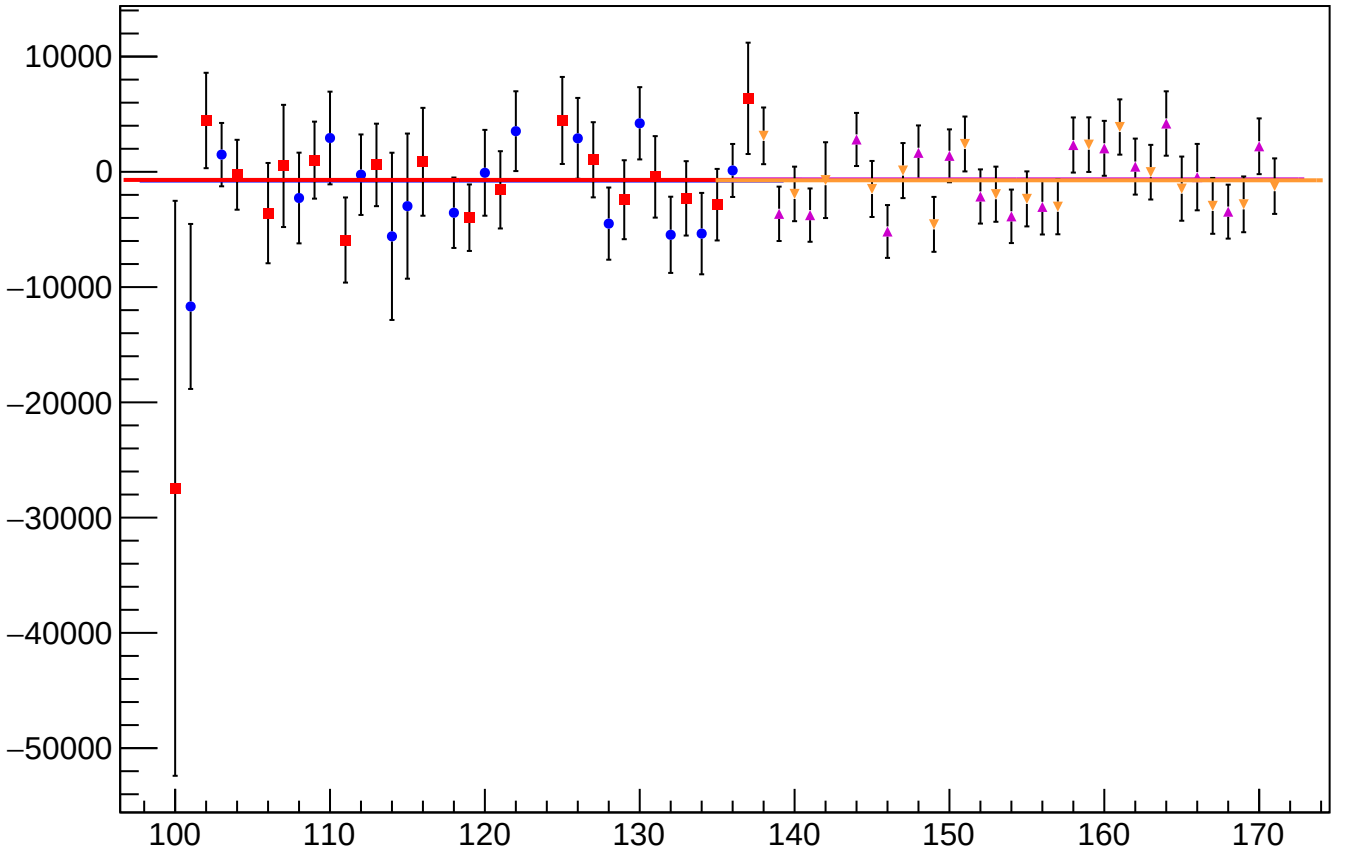
Left: 0.000+/-0.000 χ^2/NDF: 3367480.2/32

Right: 0.000+/-0.000 χ^2/NDF: 11880361.2/33

In: 0.000+/-0.000 χ^2/NDF:11786294.2/31

Out: 0.000+/-0.000 χ^2/NDF:13577879.5/34

All: 0.000+/-0.000 χ^2/NDF: 25770266.7/66



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: -654.464+/-600.200 χ^2/NDF:23.5/15

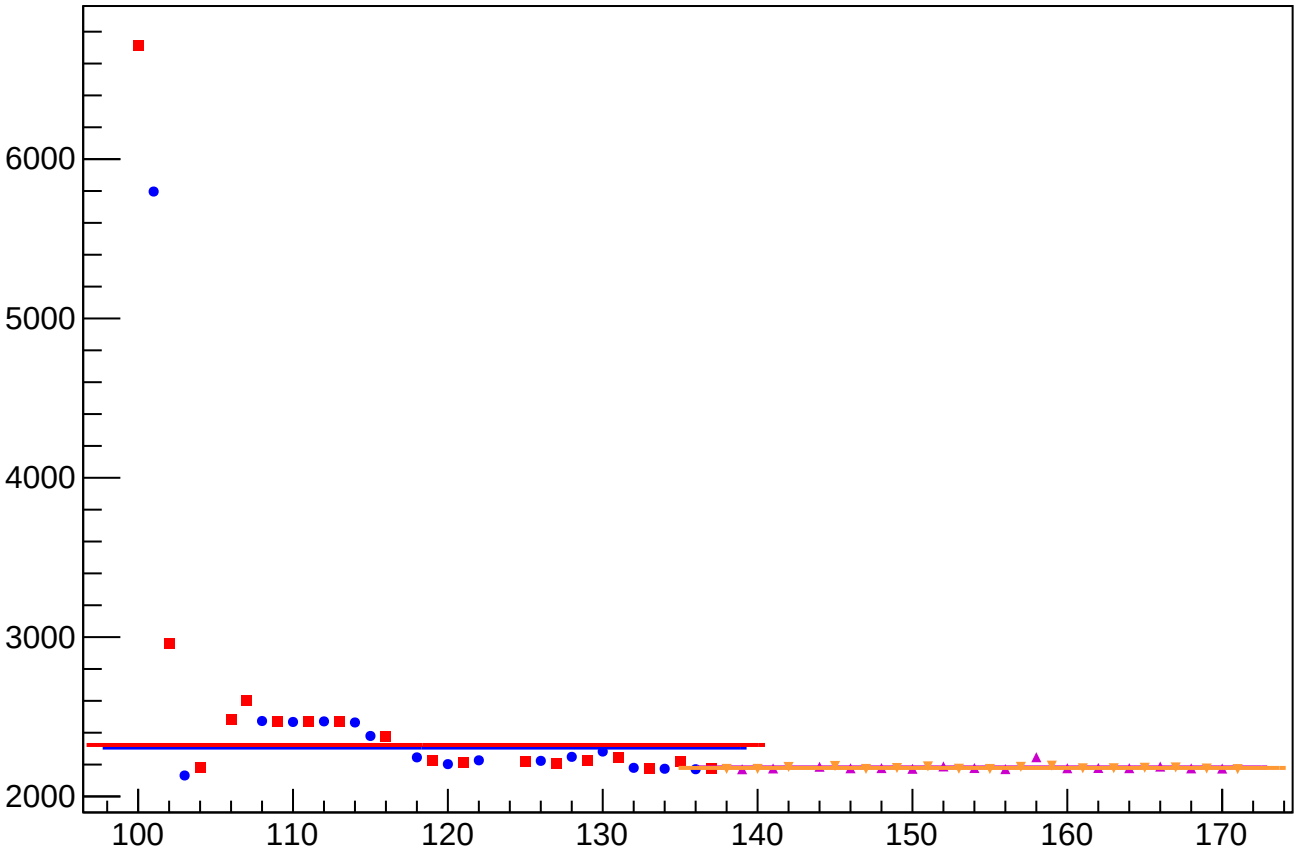
Left: -694.765+/-422.297 χ^2/NDF: 39.6/32

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -686.522+/-494.523 χ^2/NDF:39.4/31

Out: -724.048+/-490.479 χ^2/NDF:28.5/34

All: -705.439+/-348.242 χ^2/NDF: 67.8/66



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: 2182.408+/-0.424 χ^2/NDF:1660.2/15

Left: 2180.693+/-0.299 χ^2/NDF: 1966.8/32

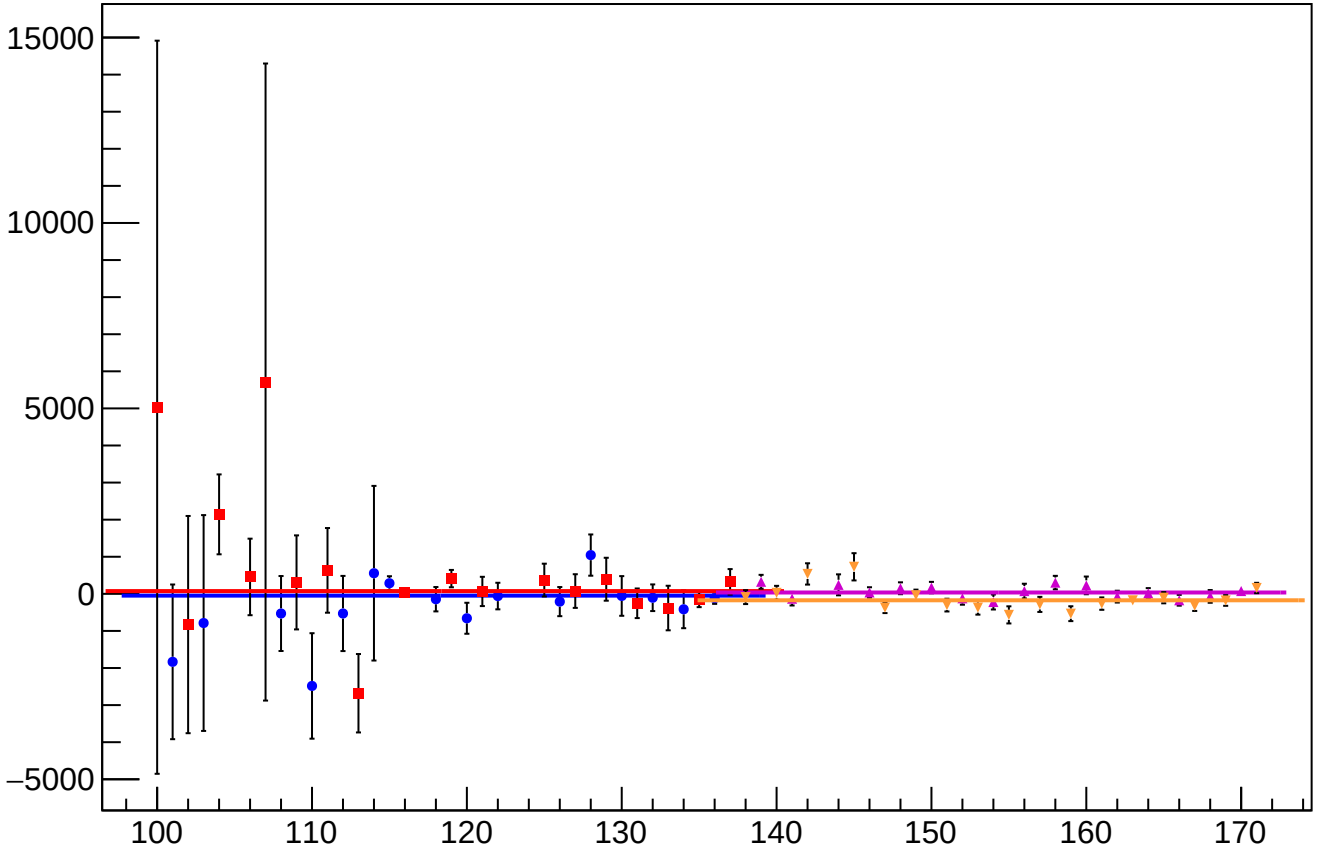
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2222.305+/-0.350 χ^2/NDF:543328.5/31

Out: 2224.922+/-0.347 χ^2/NDF:189500.4/34

All: 2223.624+/-0.246 χ^2/NDF: 732857.1/66

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: 36.241+/-42.251 χ^2/NDF:13.3/15

Left: -71.303+/-29.517 χ^2/NDF: 57.4/32

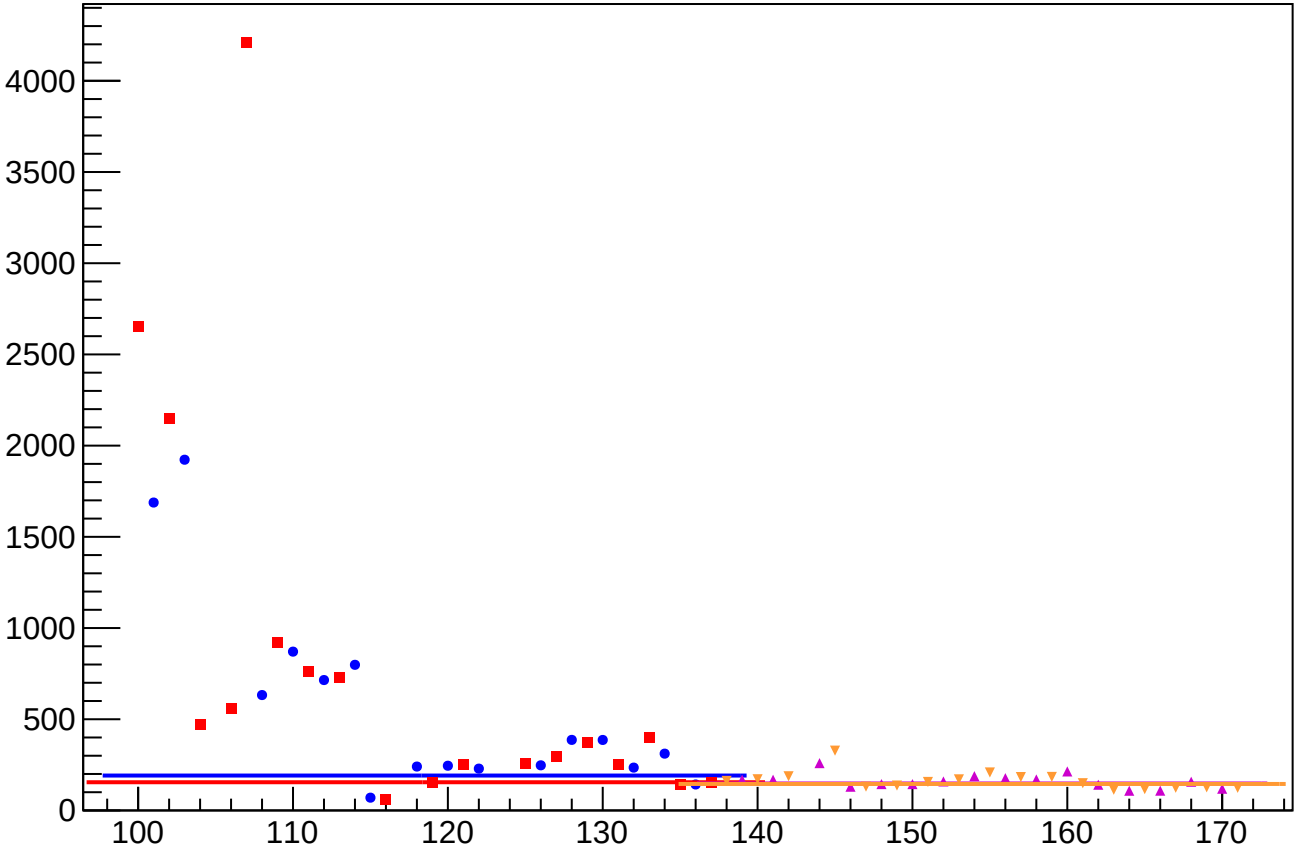
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 21.291+/-38.316 χ^2/NDF:28.4/31

Out: -124.104+/-36.888 χ^2/NDF:56.3/34

All: -54.167+/-26.574 χ^2/NDF: 92.2/66

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: 147.912+/-0.030 χ^2/NDF:1113688.1/15

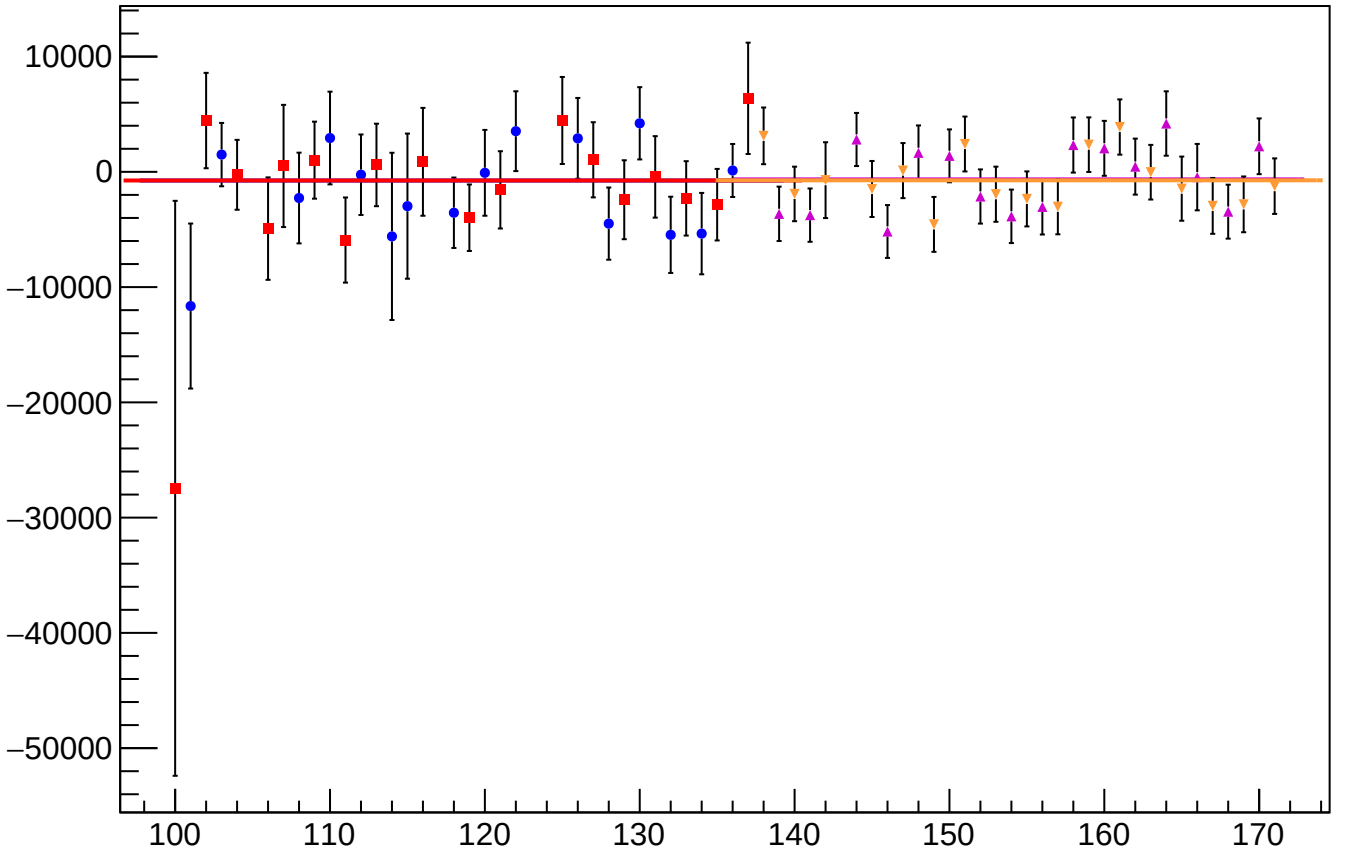
Left: 146.559+/-0.021 χ^2/NDF: 2391669.0/32

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 155.633+/-0.027 χ^2/NDF:6554437.0/31

Out: 147.156+/-0.026 χ^2/NDF:7449110.6/34

All: 151.233+/-0.019 χ^2/NDF: 14054356.6/66



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: -654.407+/-600.200 χ^2/NDF:23.5/15

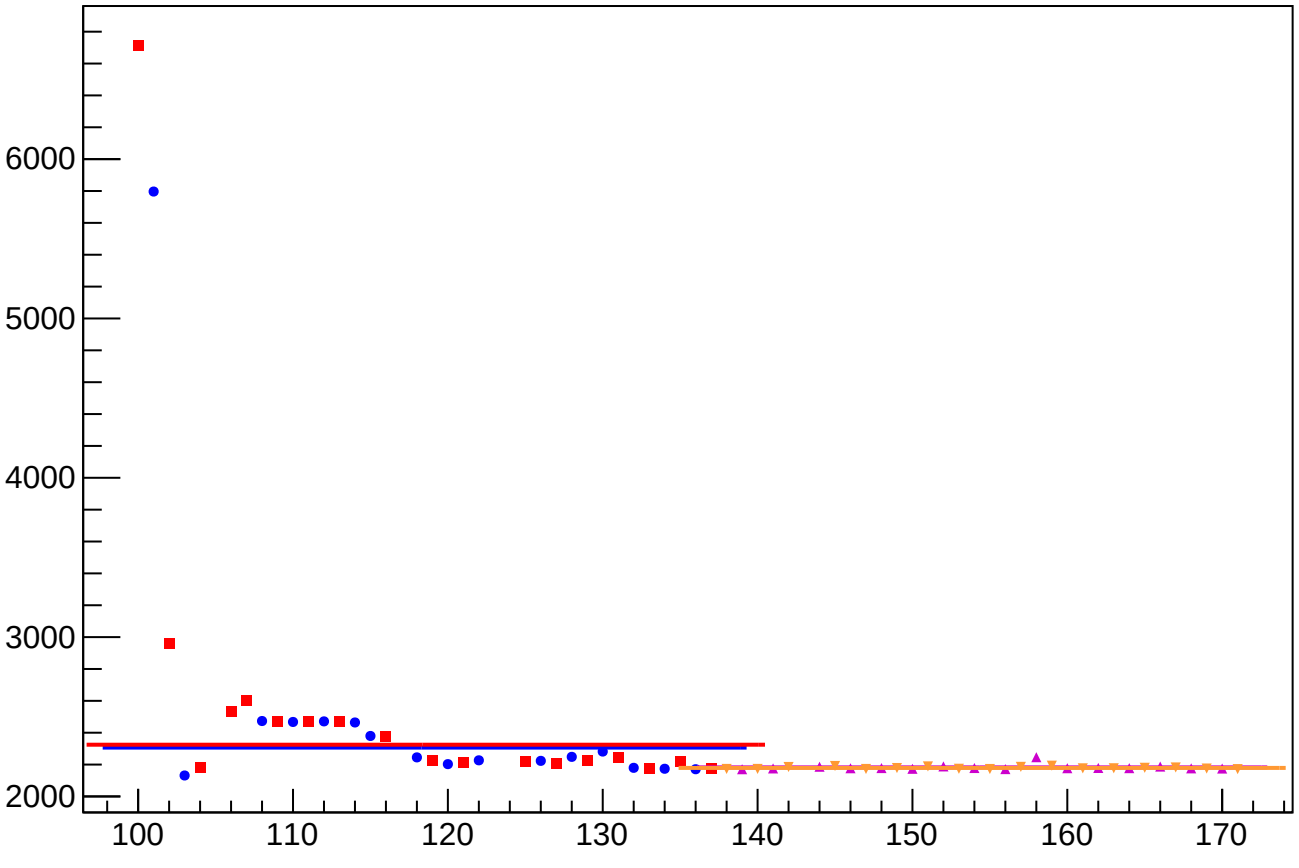
Left: -694.715+/-422.297 χ^2/NDF: 39.6/32

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

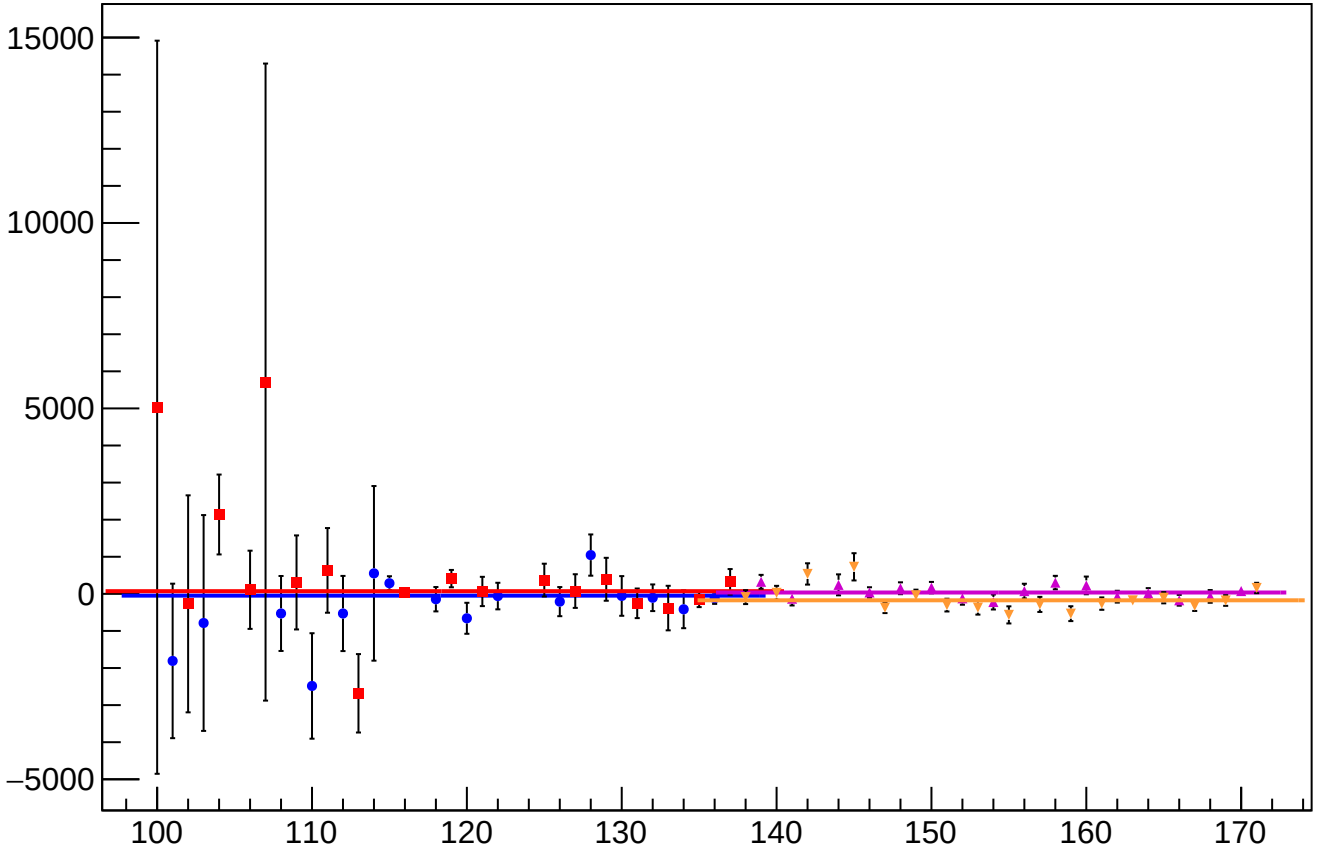
In: -686.172+/-494.523 χ^2/NDF:39.4/31

Out: -739.035+/-490.608 χ^2/NDF:28.9/34

All: -712.814+/-348.288 χ^2/NDF: 68.3/66


cor_asym_us_dd_at1lr_dd_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 2306.643+/-0.617 χ²/NDF: 514150.6/15
Left Out: 2179.011+/-0.420 χ²/NDF:274.2/16
Right Out: 2324.685+/-0.615 χ²/NDF: 153578.5/17
Left In: 2182.408+/-0.424 χ²/NDF:1660.2/15
Left: 2180.693+/-0.299 χ²/NDF: 1966.8/32
Right: 2315.698+/-0.436 χ²/NDF: 668158.1/33
In: 2222.305+/-0.350 χ²/NDF:543328.8/31
Out: 2225.403+/-0.347 χ²/NDF:192124.3/34
All: 2223.866+/-0.246 χ²/NDF: 735492.7/66

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: 36.178+/-42.254 χ^2/NDF:13.3/15

Left: -71.339+/-29.519 χ^2/NDF: 57.4/32

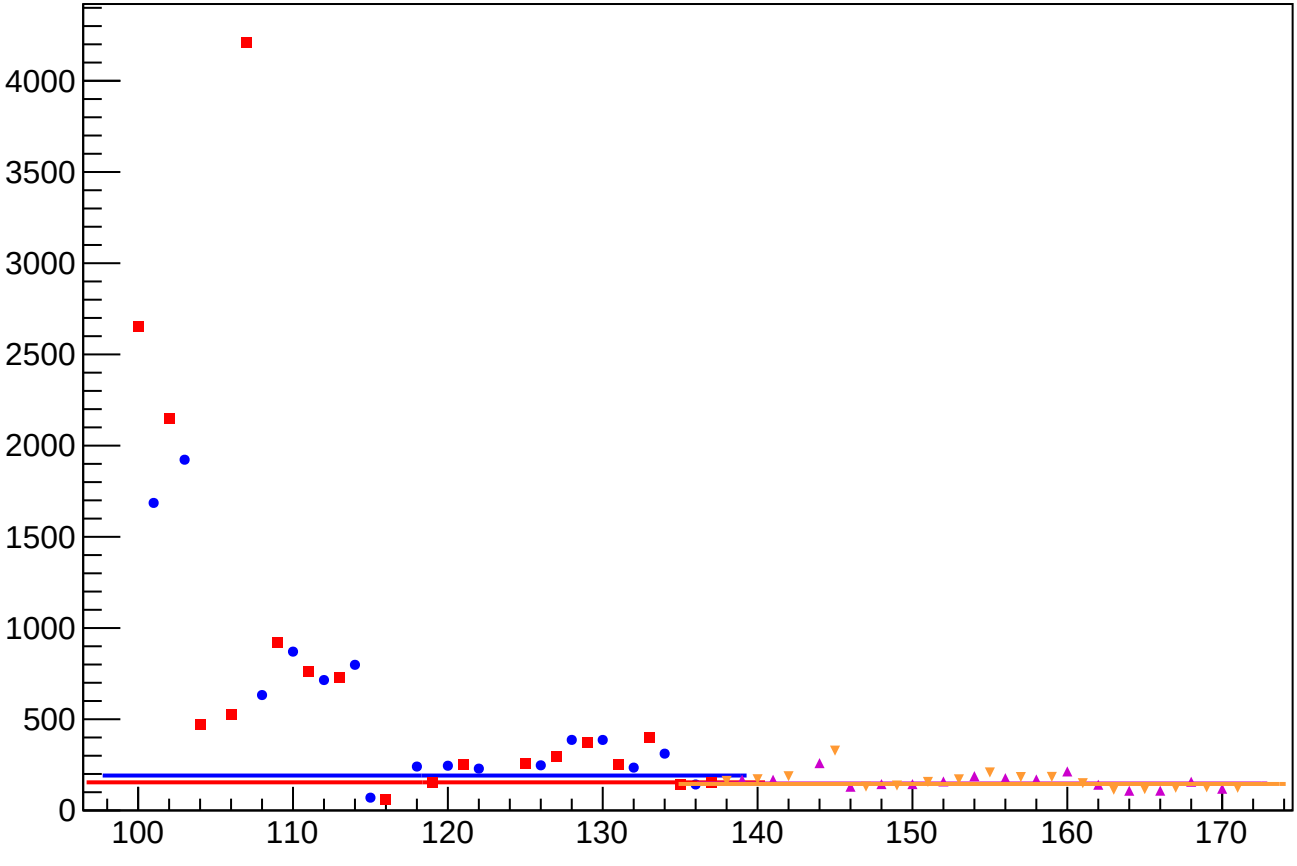
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.233+/-38.318 χ^2/NDF:28.4/31

Out: -124.448+/-36.883 χ^2/NDF:56.0/34

All: -54.386+/-26.573 χ^2/NDF: 91.9/66

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: 147.921+/-0.030 χ^2/NDF:1114026.8/15

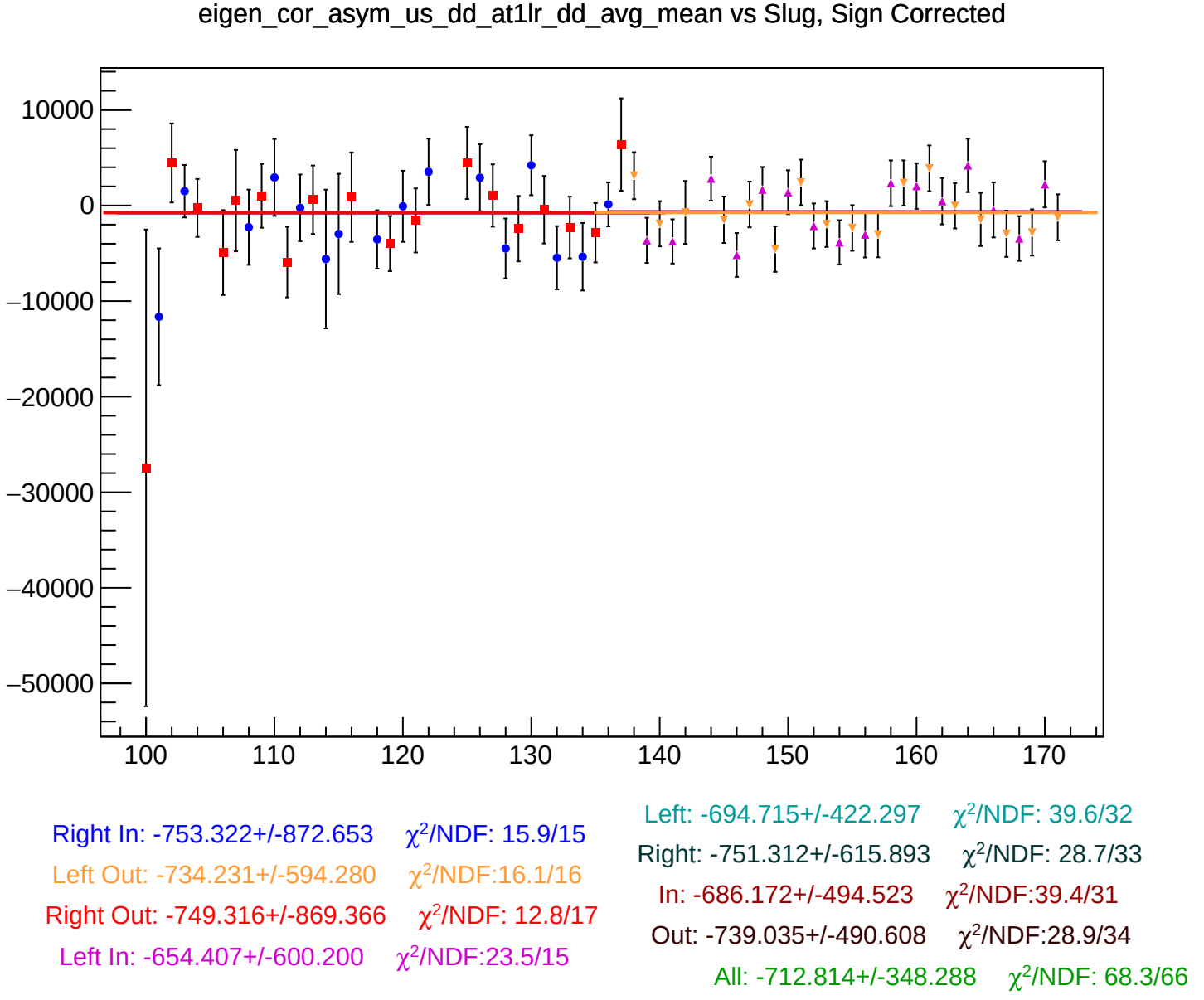
Left: 146.565+/-0.021 χ^2/NDF: 2392196.8/32

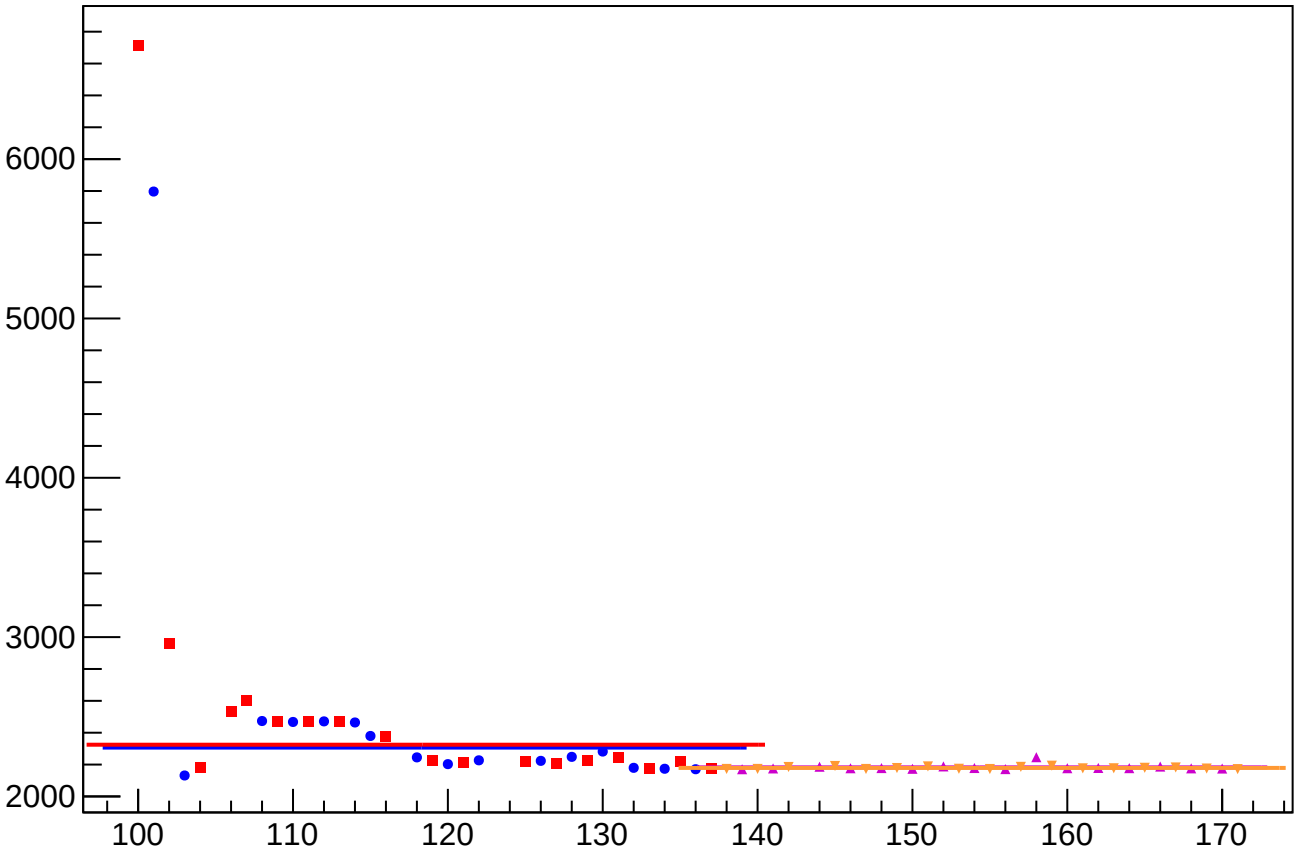
Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 155.644+/-0.027 χ^2/NDF:6553857.0/31

Out: 147.048+/-0.026 χ^2/NDF:7401282.6/34

All: 151.182+/-0.019 χ^2/NDF: 14007388.2/66


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -753.322+/-872.653 χ²/NDF: 15.9/15
Left Out: -734.231+/-594.280 χ²/NDF:16.1/16
Right Out: -749.316+/-869.366 χ²/NDF: 12.8/17
Left In: -654.407+/-600.200 χ²/NDF:23.5/15
Left: -694.715+/-422.297 χ²/NDF: 39.6/32
Right: -751.312+/-615.893 χ²/NDF: 28.7/33
In: -686.172+/-494.523 χ²/NDF:39.4/31
Out: -739.035+/-490.608 χ²/NDF:28.9/34
All: -712.814+/-348.288 χ²/NDF: 68.3/66



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: 2182.408+/-0.424 χ^2/NDF:1660.2/15

Left: 2180.693+/-0.299 χ^2/NDF: 1966.8/32

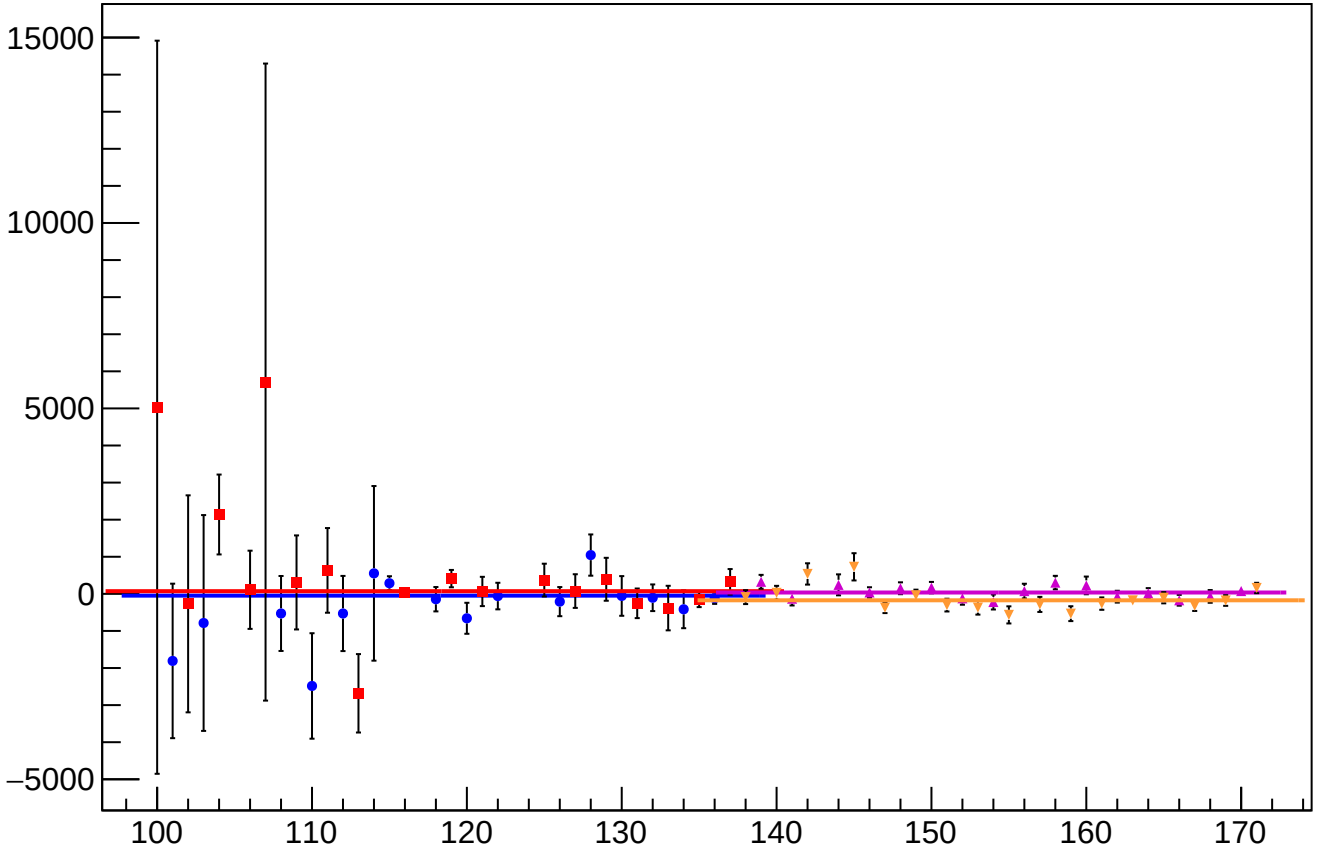
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2222.305+/-0.350 χ^2/NDF:543328.8/31

Out: 2225.403+/-0.347 χ^2/NDF:192124.3/34

All: 2223.866+/-0.246 χ^2/NDF: 735492.7/66

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: 36.178+/-42.254 χ^2/NDF:13.3/15

Left: -71.339+/-29.519 χ^2/NDF: 57.4/32

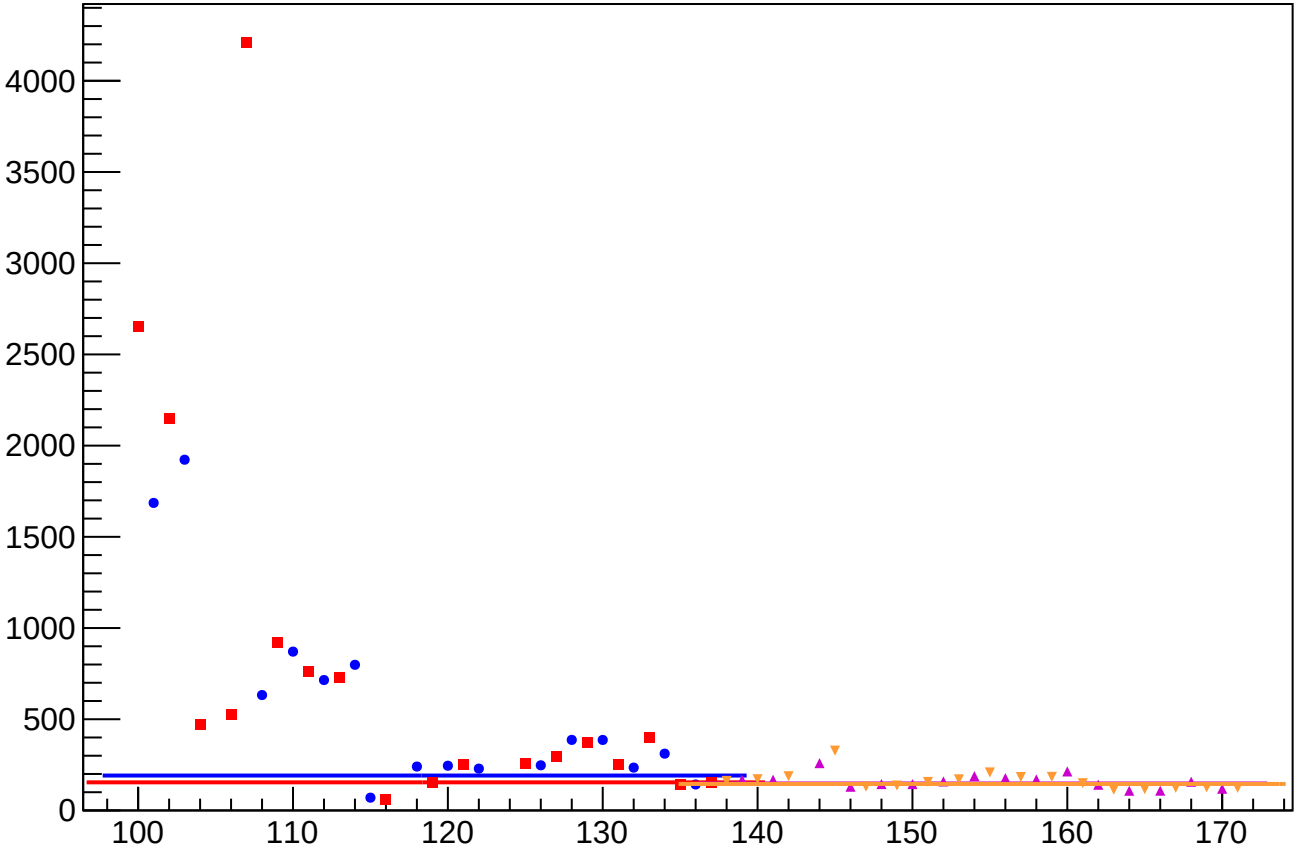
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 21.233+/-38.318 χ^2/NDF:28.4/31

Out: -124.448+/-36.883 χ^2/NDF:56.0/34

All: -54.386+/-26.573 χ^2/NDF: 91.9/66

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: 147.921+/-0.030 χ^2/NDF:1114026.8/15

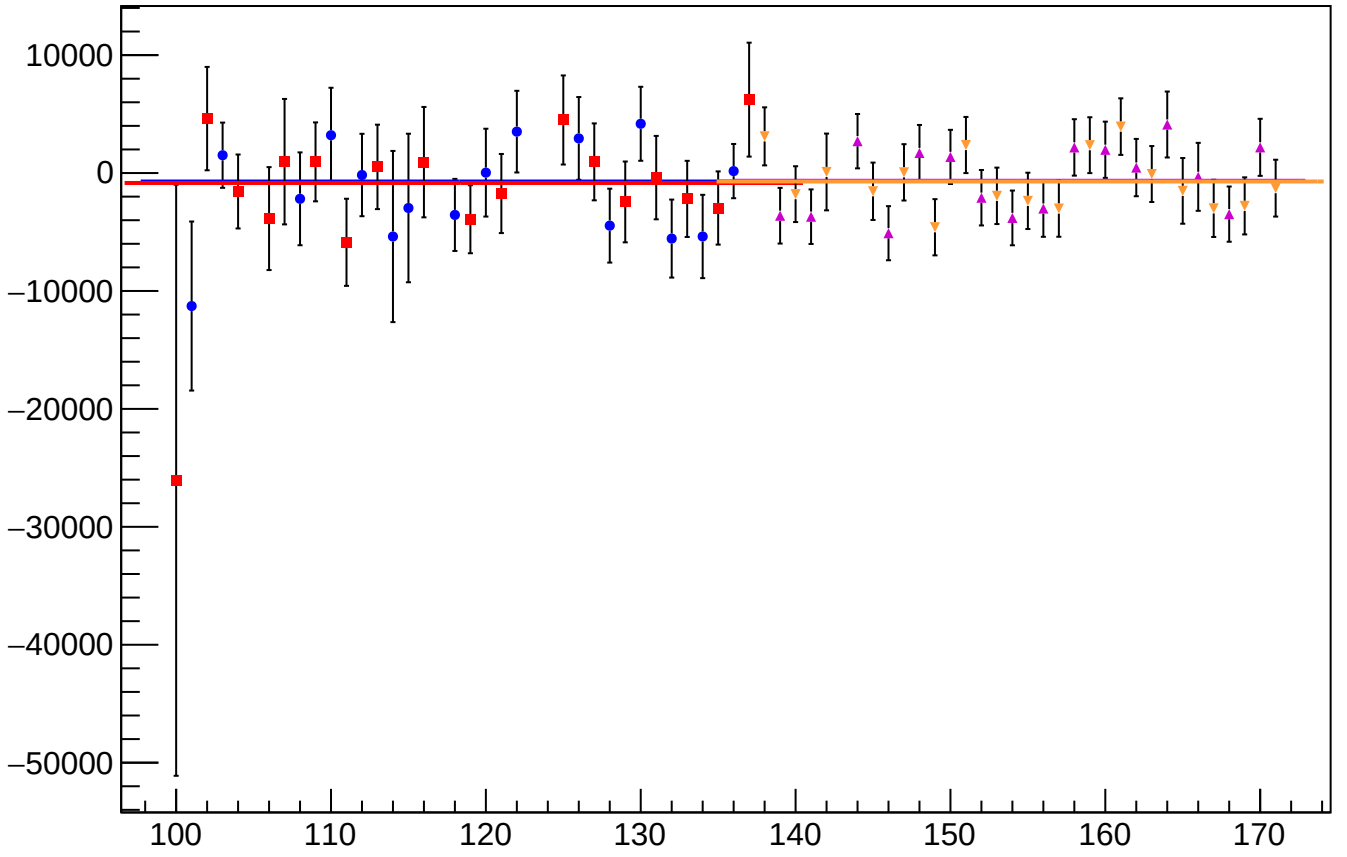
Left: 146.565+/-0.021 χ^2/NDF: 2392196.8/32

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 155.644+/-0.027 χ^2/NDF:6553857.0/31

Out: 147.048+/-0.026 χ^2/NDF:7401282.6/34

All: 151.182+/-0.019 χ^2/NDF: 14007388.2/66



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: -655.889+/-600.415 χ^2/NDF:22.7/15

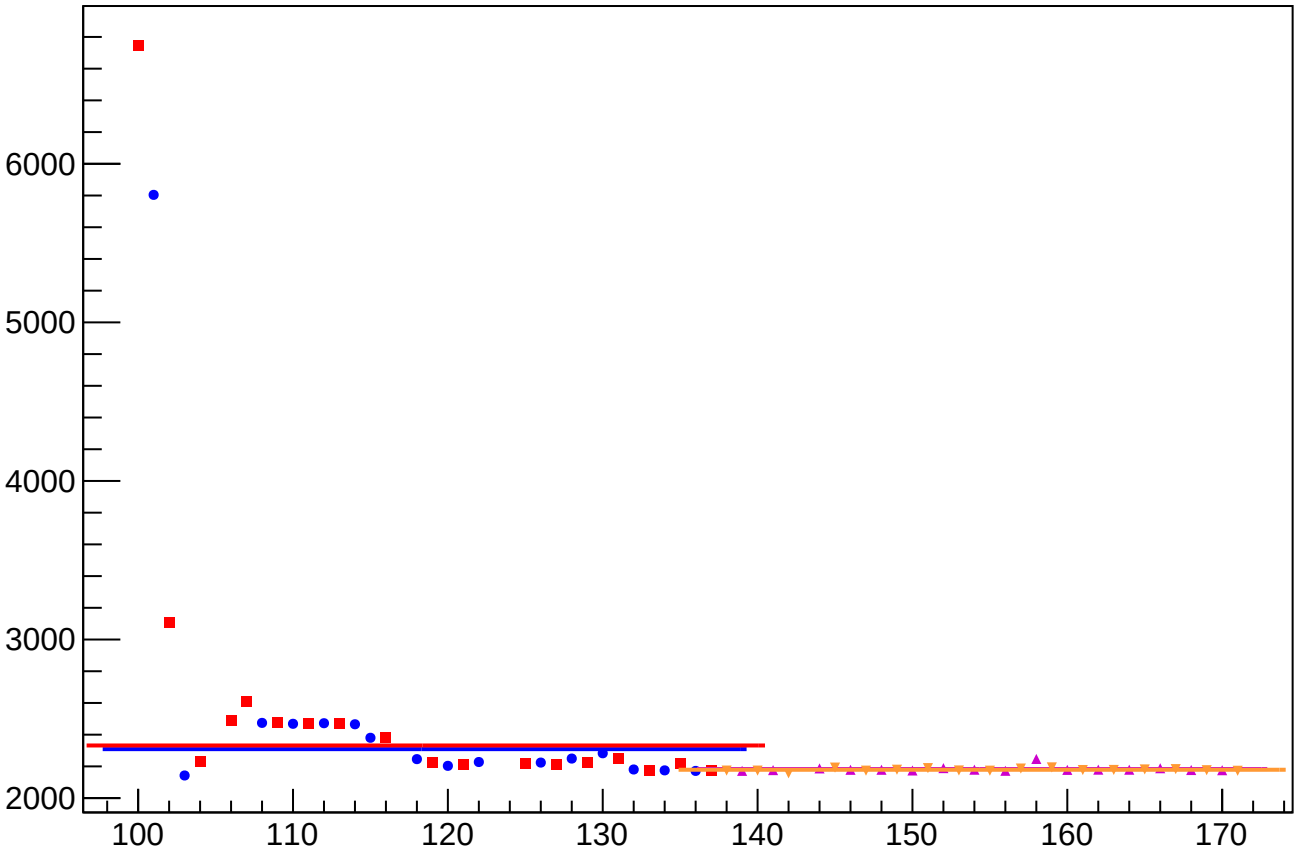
Left: -686.194+/-422.368 χ^2/NDF: 38.9/32

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -675.541+/-494.805 χ^2/NDF:38.6/31

Out: -755.830+/-491.357 χ^2/NDF:28.4/34

All: -715.966+/-348.655 χ^2/NDF: 66.9/66



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: 2183.190+/-0.425 χ^2/NDF:1652.7/15

Left: 2180.964+/-0.299 χ^2/NDF: 2076.0/32

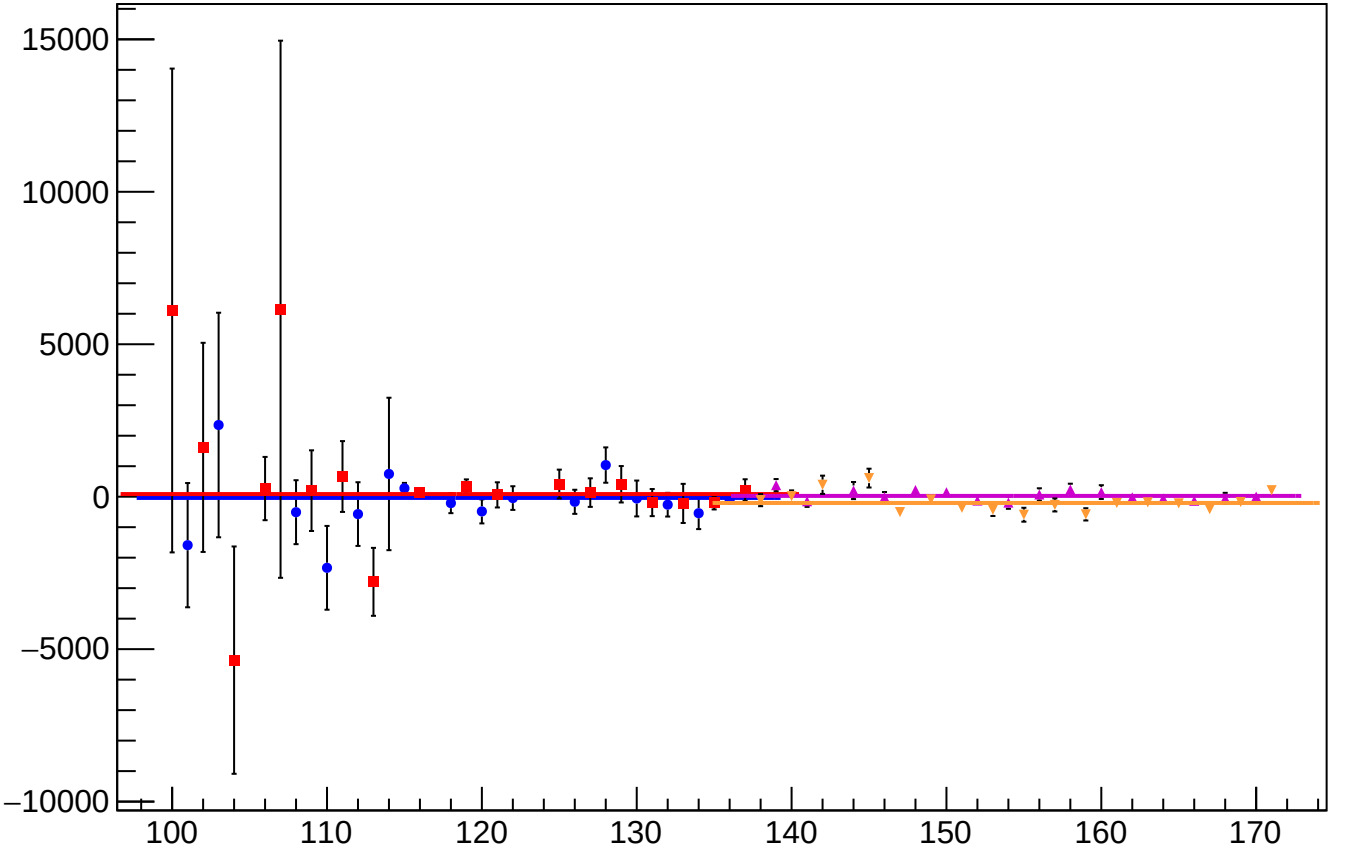
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2223.472+/-0.350 χ^2/NDF:543453.2/31

Out: 2227.208+/-0.347 χ^2/NDF:209666.2/34

All: 2225.354+/-0.247 χ^2/NDF: 753176.8/66

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: 26.091+/-43.065 χ^2/NDF:12.0/15

Left: -93.817+/-29.895 χ^2/NDF: 63.0/32

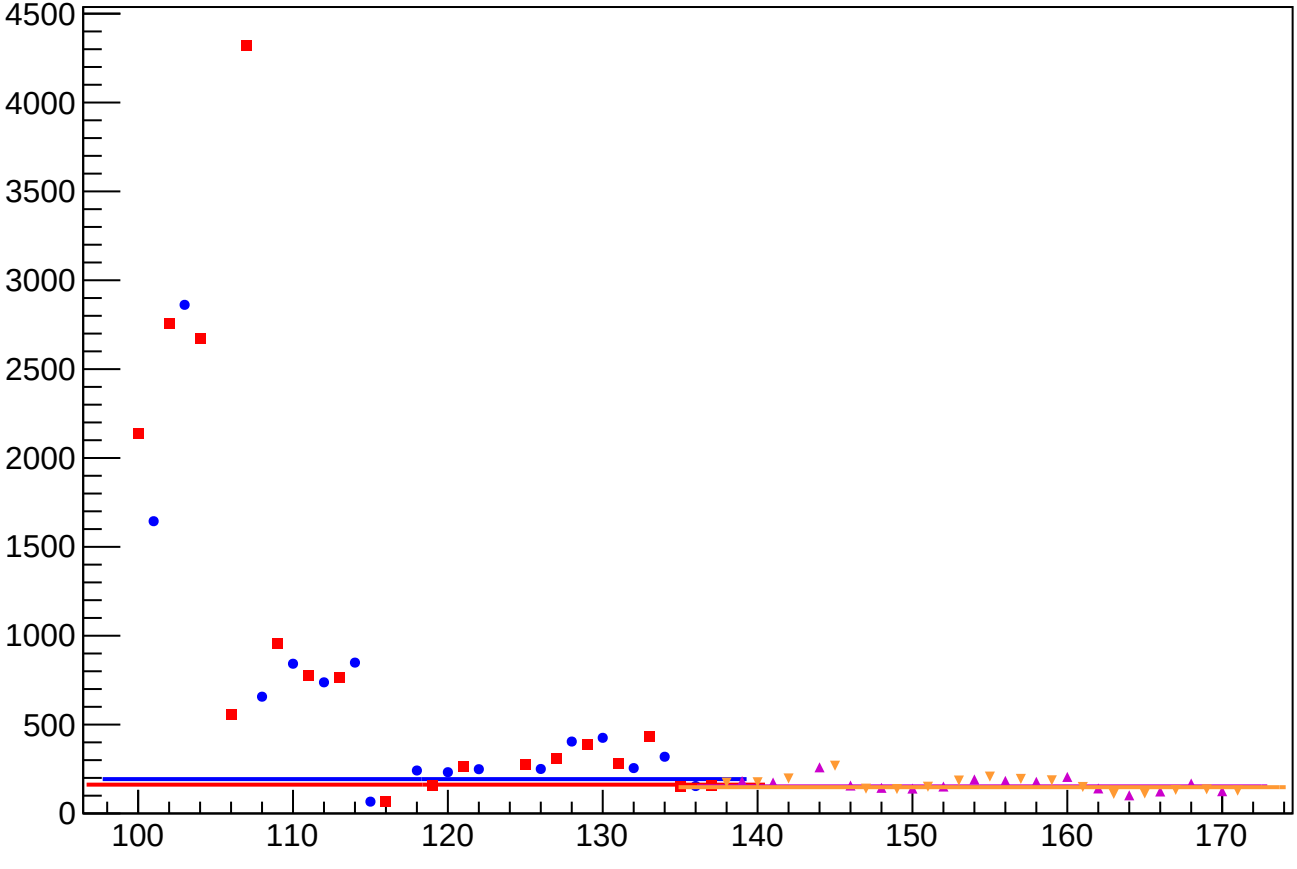
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 14.277+/-39.035 χ^2/NDF:26.4/31

Out: -150.261+/-37.407 χ^2/NDF:60.4/34

All: -71.495+/-27.008 χ^2/NDF: 96.1/66

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: 152.613+/-0.030 χ^2/NDF:1109517.5/15

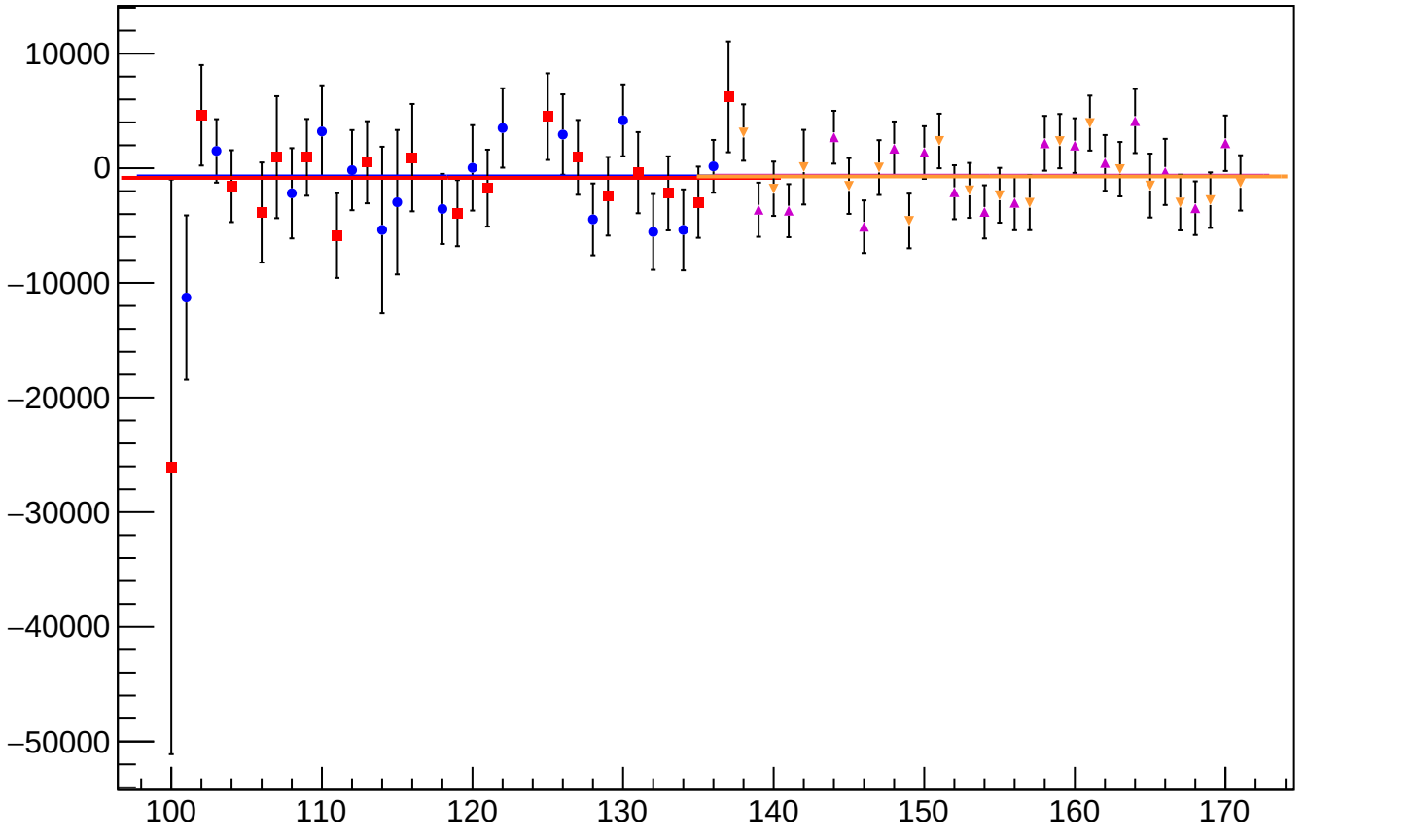
Left: 150.125+/-0.021 χ^2/NDF: 2336424.1/32

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 159.865+/-0.028 χ^2/NDF:7045201.5/31

Out: 150.511+/-0.026 χ^2/NDF:8329297.5/34

All: 154.989+/-0.019 χ^2/NDF: 15434360.0/66



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: -655.888+/-600.415 χ^2/NDF:22.7/15

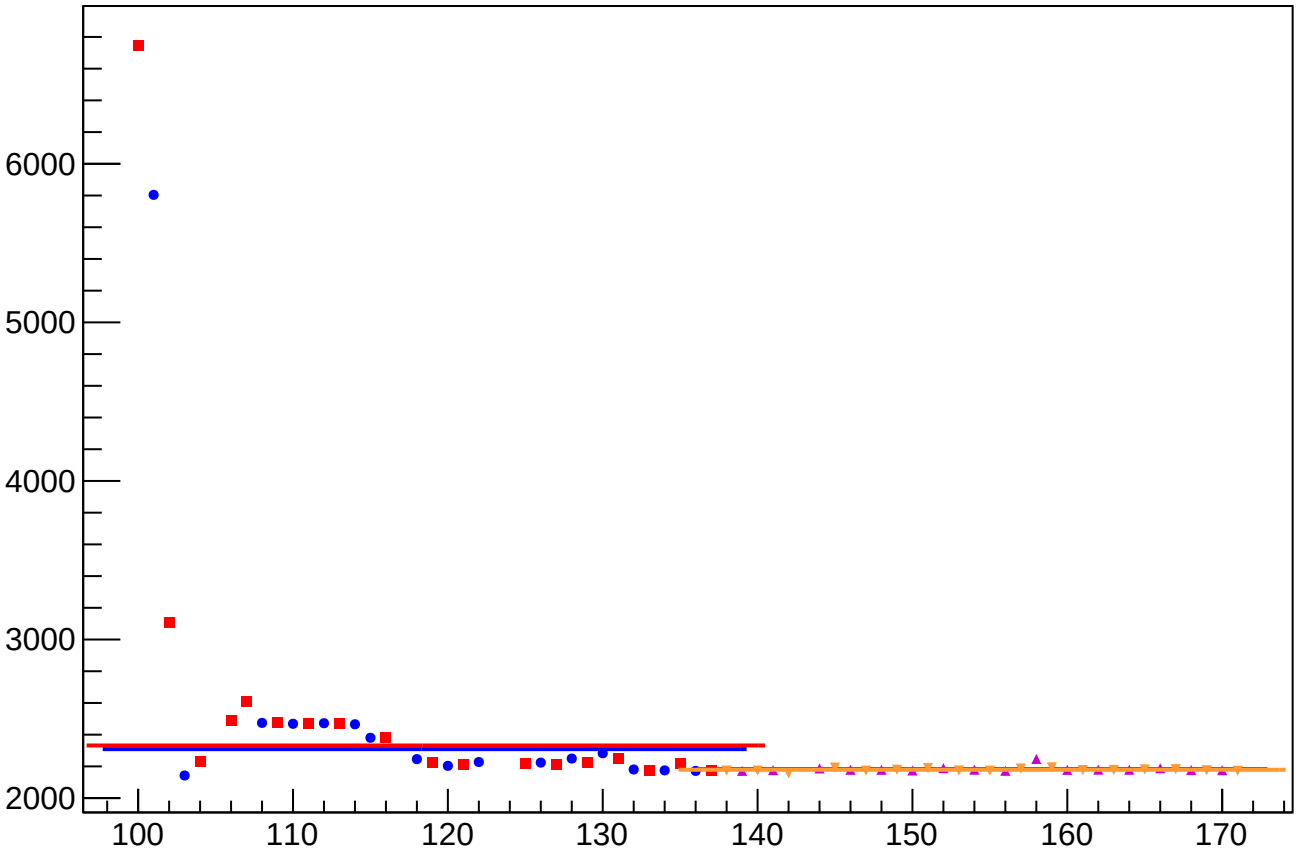
Left: -686.195+/-422.368 χ^2/NDF: 38.9/32

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -675.540+/-494.805 χ^2/NDF:38.6/31

Out: -755.832+/-491.357 χ^2/NDF:28.4/34

All: -715.967+/-348.655 χ^2/NDF: 66.9/66



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: 2183.190+/-0.425 χ^2/NDF:1652.7/15

Left: 2180.964+/-0.299 χ^2/NDF: 2076.0/32

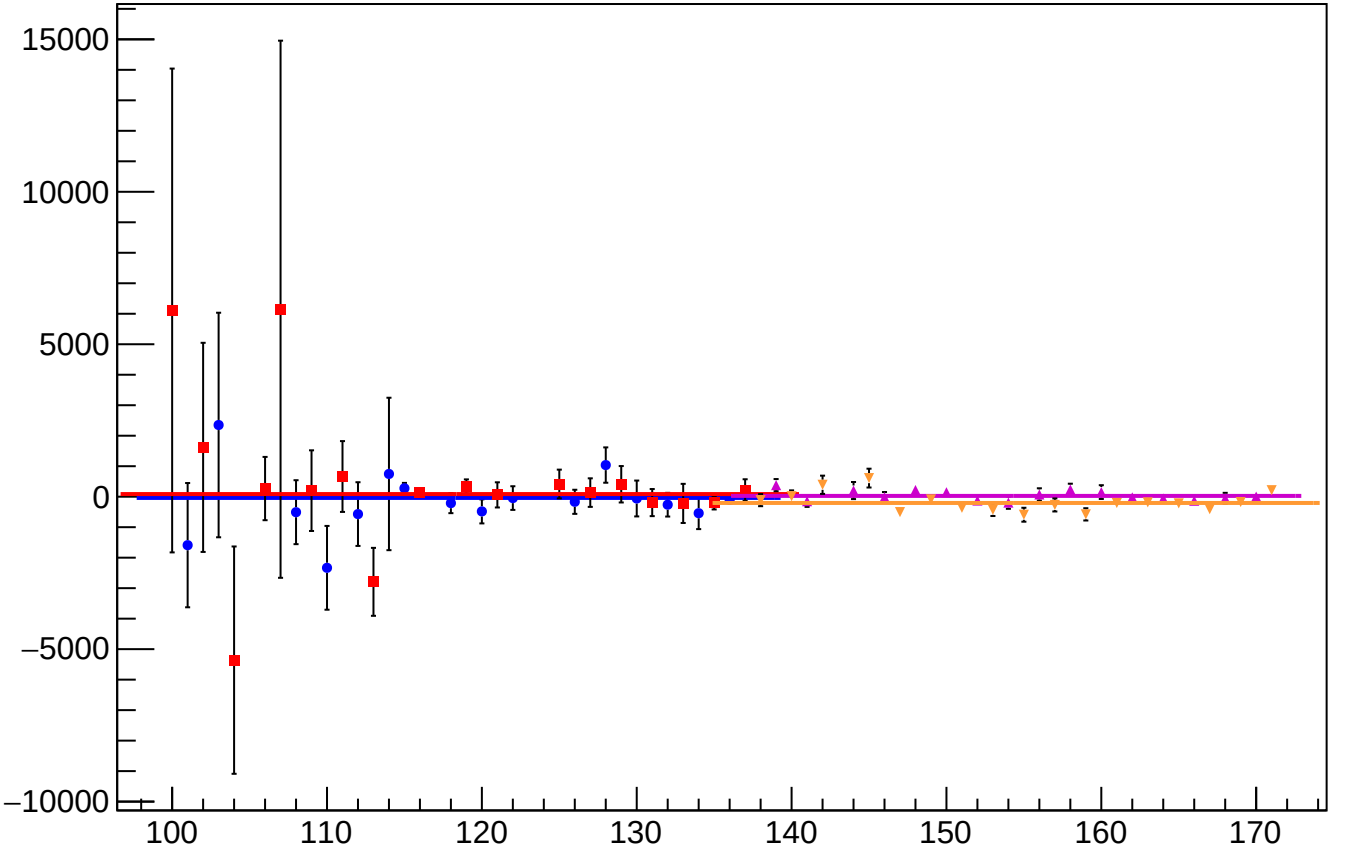
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2223.472+/-0.350 χ^2/NDF:543453.2/31

Out: 2227.208+/-0.347 χ^2/NDF:209666.1/34

All: 2225.354+/-0.247 χ^2/NDF: 753176.7/66

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: 26.090+/-43.066 χ^2/NDF:12.0/15

Left: -93.818+/-29.895 χ^2/NDF: 63.0/32

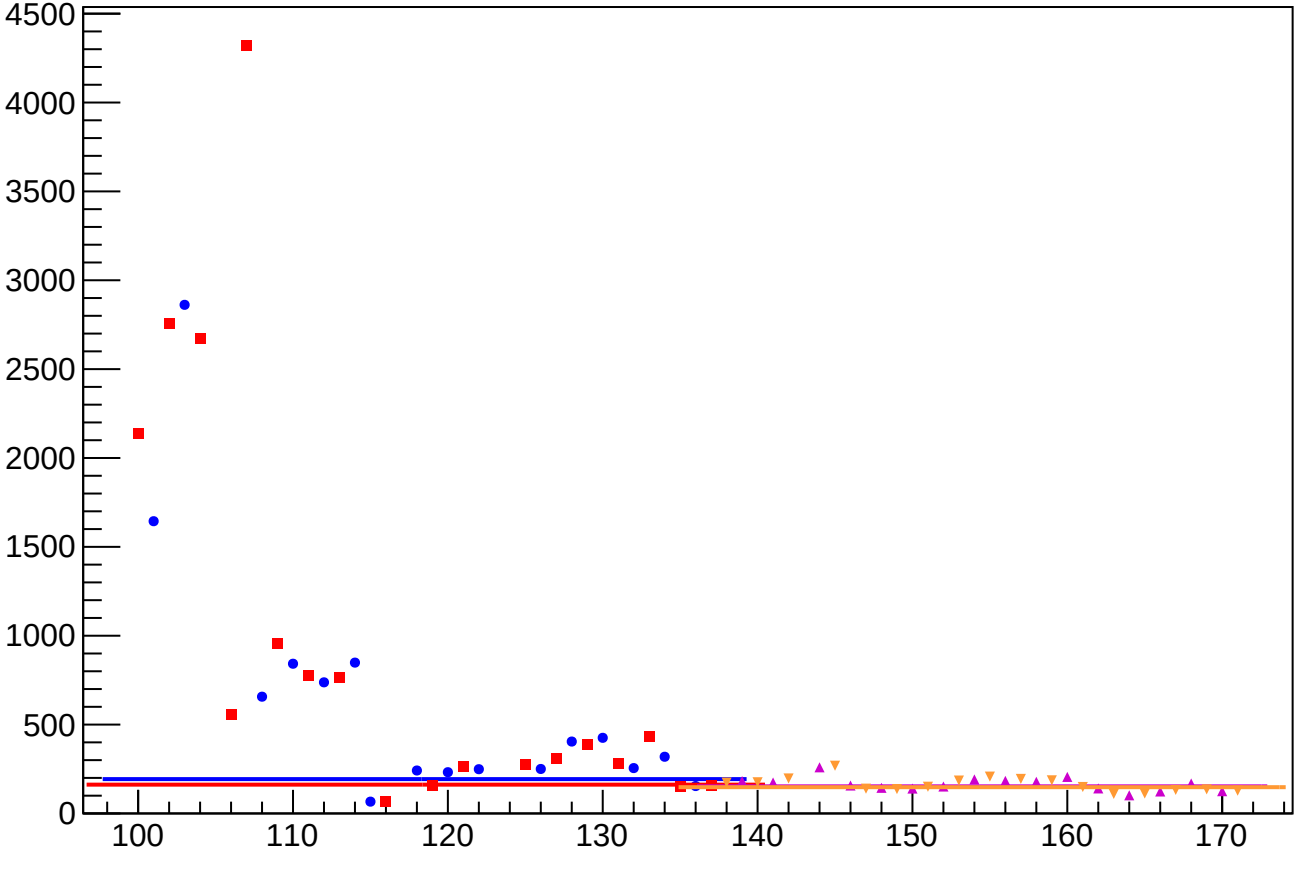
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 14.276+/-39.035 χ^2/NDF:26.4/31

Out: -150.260+/-37.407 χ^2/NDF:60.4/34

All: -71.495+/-27.008 χ^2/NDF: 96.1/66

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: 152.613+/-0.030 χ^2/NDF:1109561.0/15

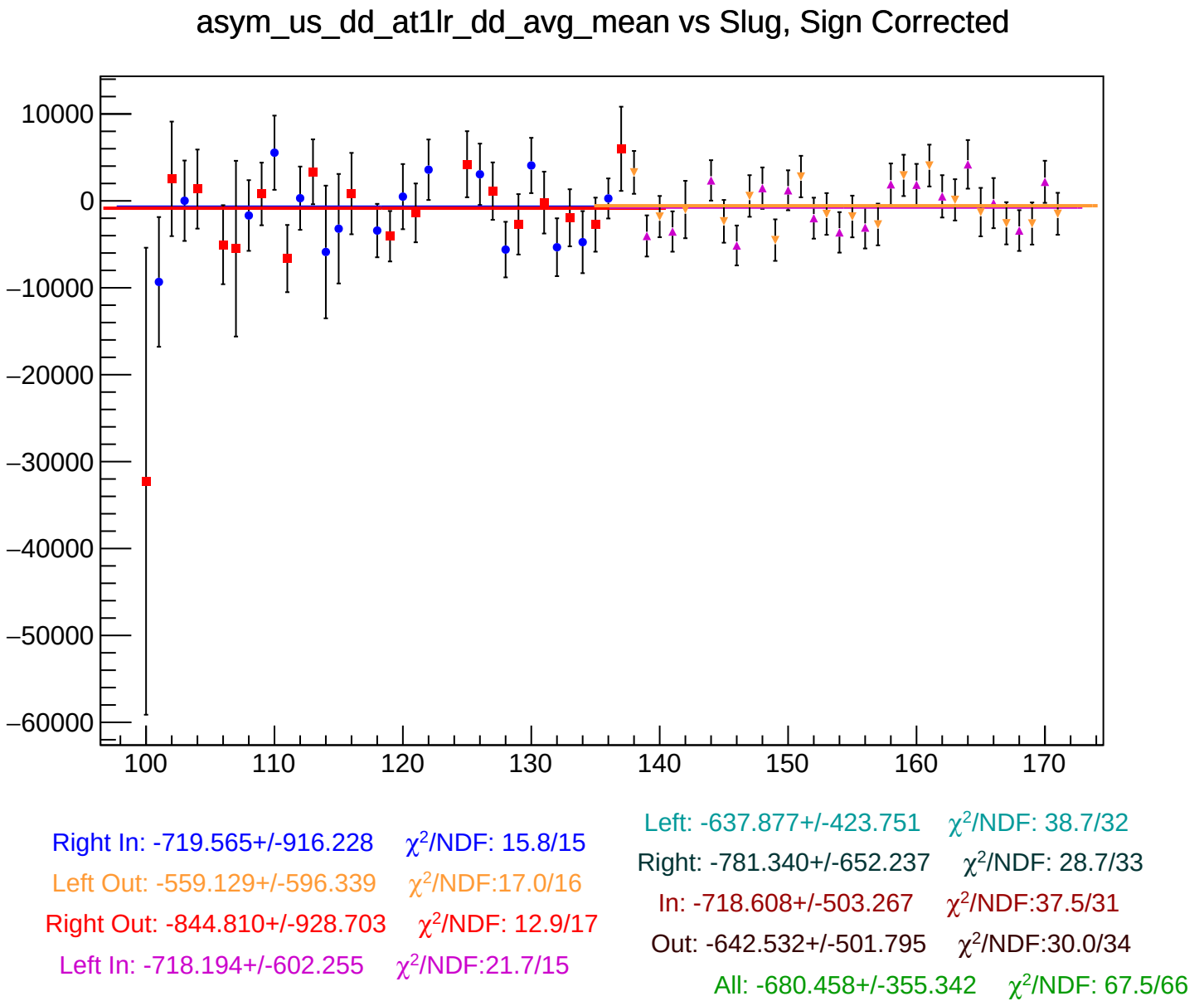
Left: 150.125+/-0.021 χ^2/NDF: 2336501.2/32

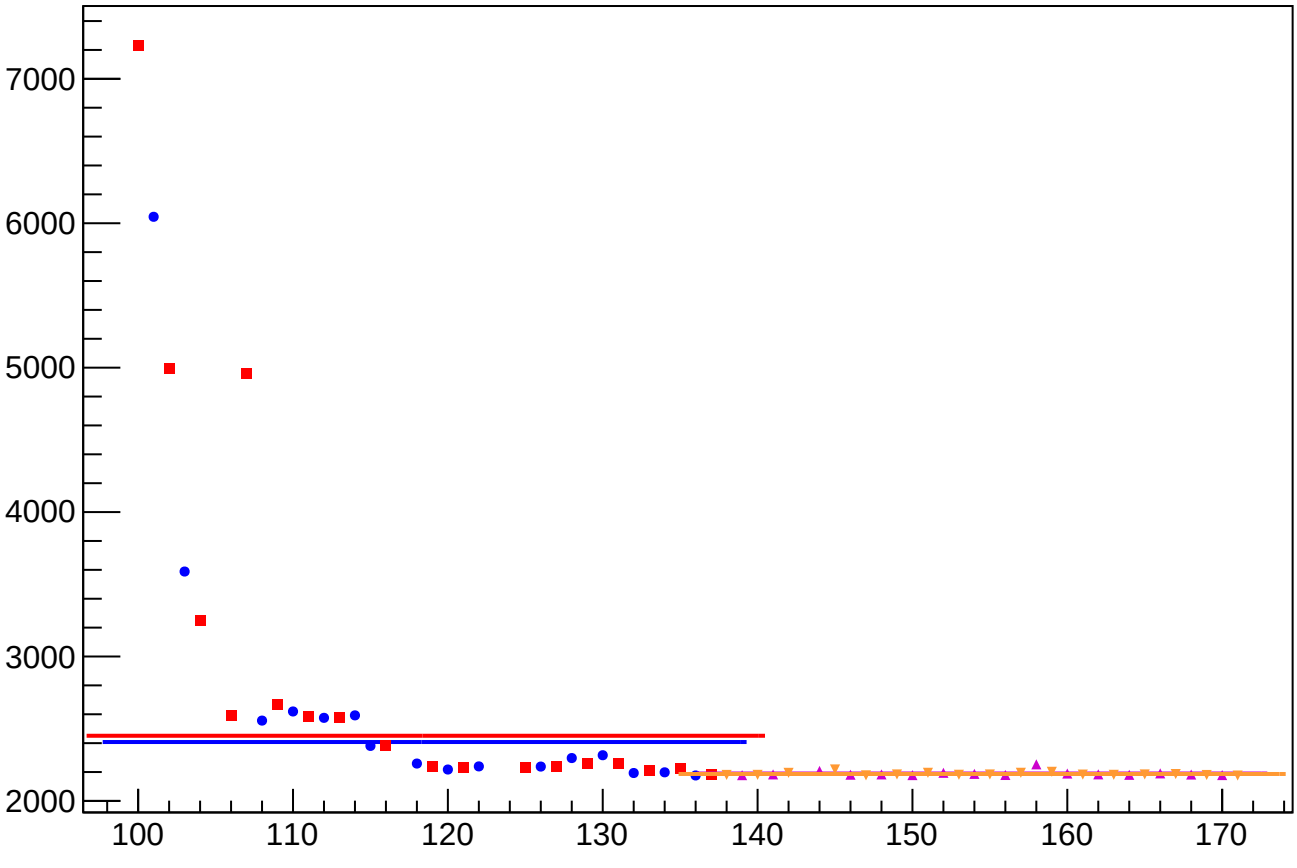
Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 159.865+/-0.028 χ^2/NDF:7045249.2/31

Out: 150.511+/-0.026 χ^2/NDF:8329376.0/34

All: 154.989+/-0.019 χ^2/NDF: 15434489.9/66


asym_us_dd_at1lr_dd_avg_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
110
120
130
140
150
160
170
Right In: -719.565+/-916.228 χ²/NDF: 15.8/15
Left Out: -559.129+/-596.339 χ²/NDF:17.0/16
Right Out: -844.810+/-928.703 χ²/NDF: 12.9/17
Left In: -718.194+/-602.255 χ²/NDF:21.7/15
Left: -637.877+/-423.751 χ²/NDF: 38.7/32
Right: -781.340+/-652.237 χ²/NDF: 28.7/33
In: -718.608+/-503.267 χ²/NDF:37.5/31
Out: -642.532+/-501.795 χ²/NDF:30.0/34
All: -680.458+/-355.342 χ²/NDF: 67.5/66



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: 2189.873+/-0.426 χ^2/NDF:1798.3/15

Left: 2188.193+/-0.300 χ^2/NDF: 2447.2/32

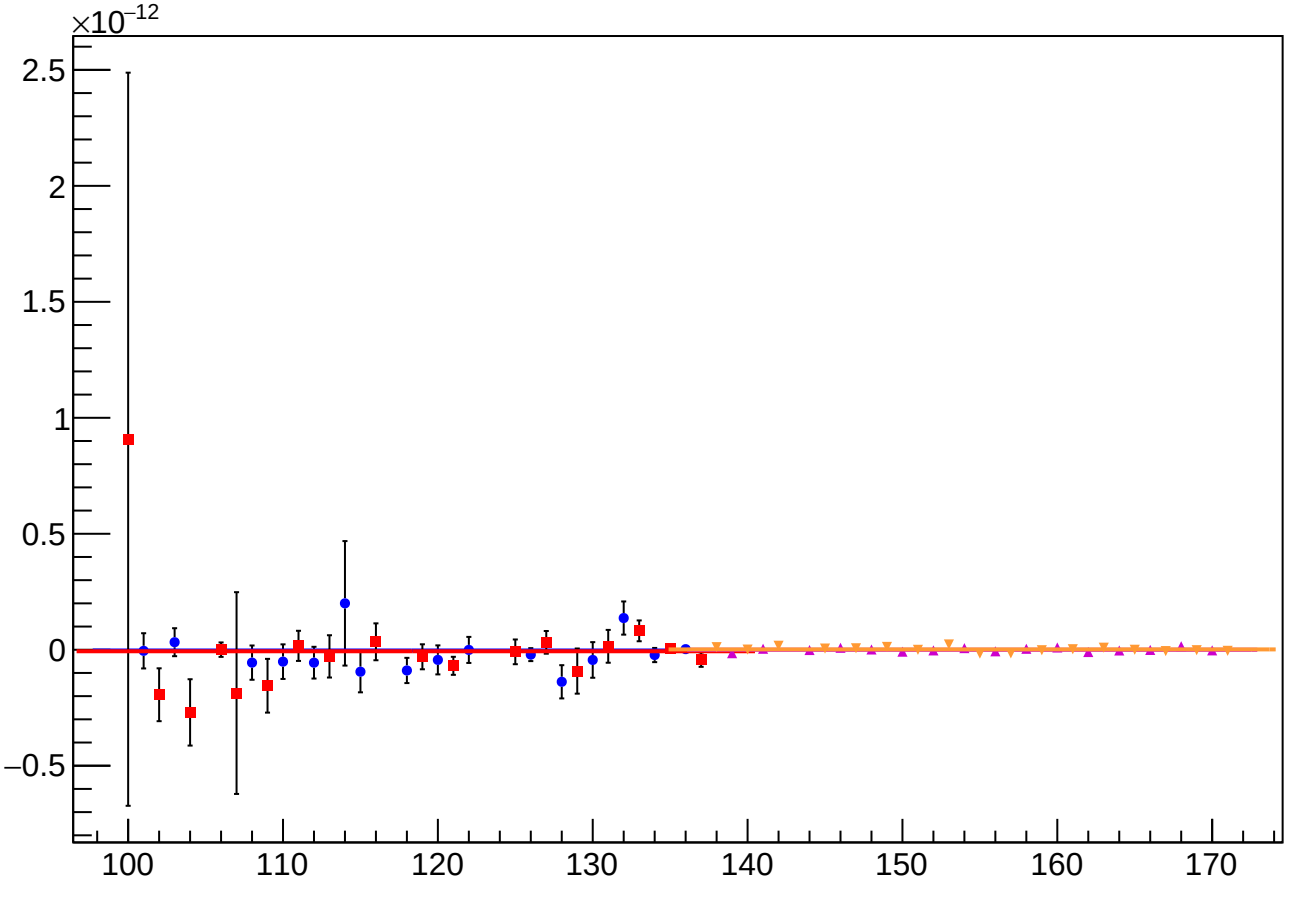
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2255.622+/-0.356 χ^2/NDF:757695.3/31

Out: 2263.807+/-0.355 χ^2/NDF:749209.8/34

All: 2259.727+/-0.251 χ^2/NDF: 1507170.3/66

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:12.3/15

Left: 0.000+/-0.000 χ^2/NDF: 28.4/32

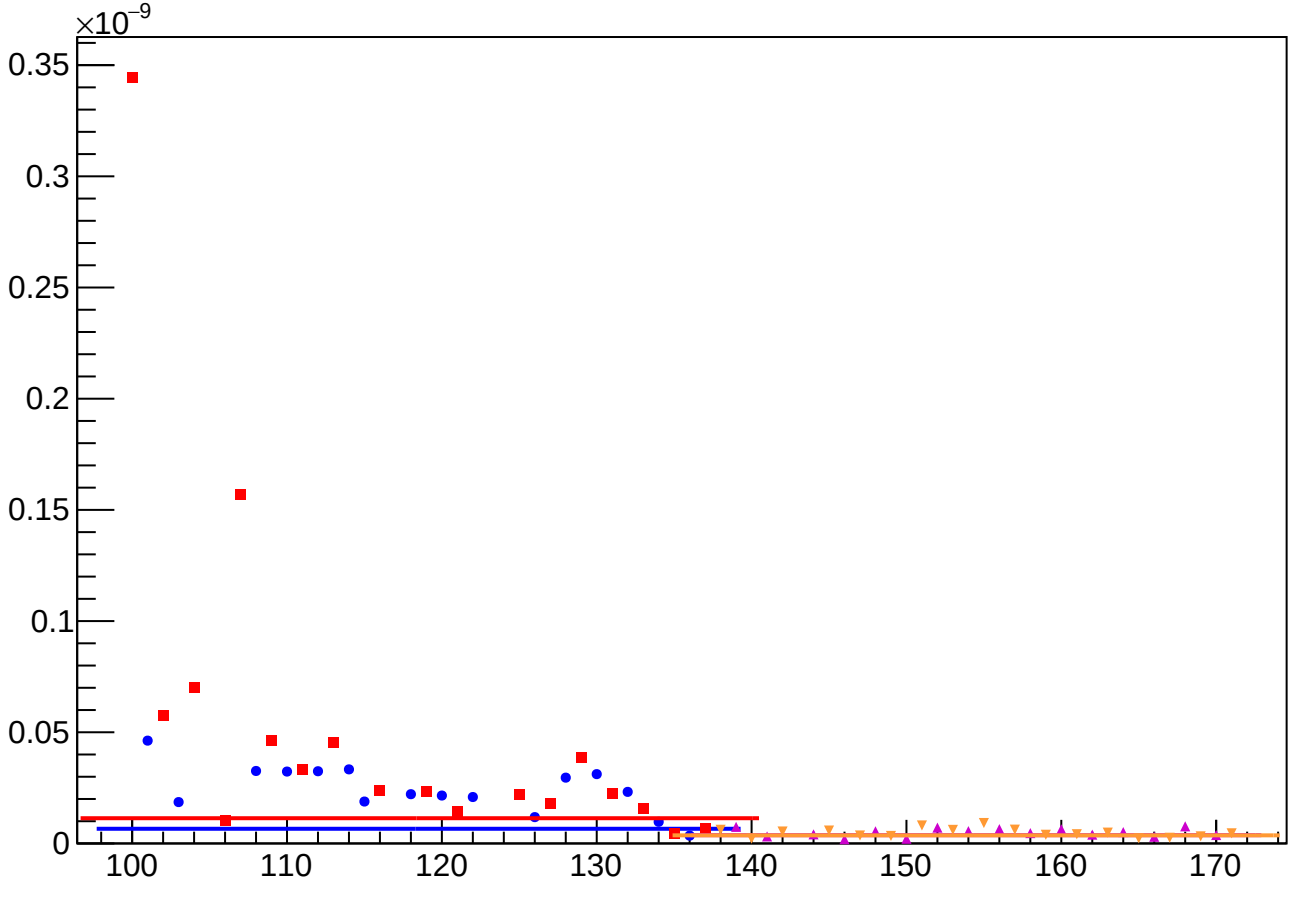
Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

In: -0.000+/-0.000 χ^2/NDF:28.1/31

Out: 0.000+/-0.000 χ^2/NDF:35.3/34

All: 0.000+/-0.000 χ^2/NDF: 63.8/66

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2856979.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1438619.3/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2697712.1/17

Left In: 0.000+/-0.000 χ^2/NDF:1355702.5/15

Left: 0.000+/-0.000 χ^2/NDF: 2795894.8/32

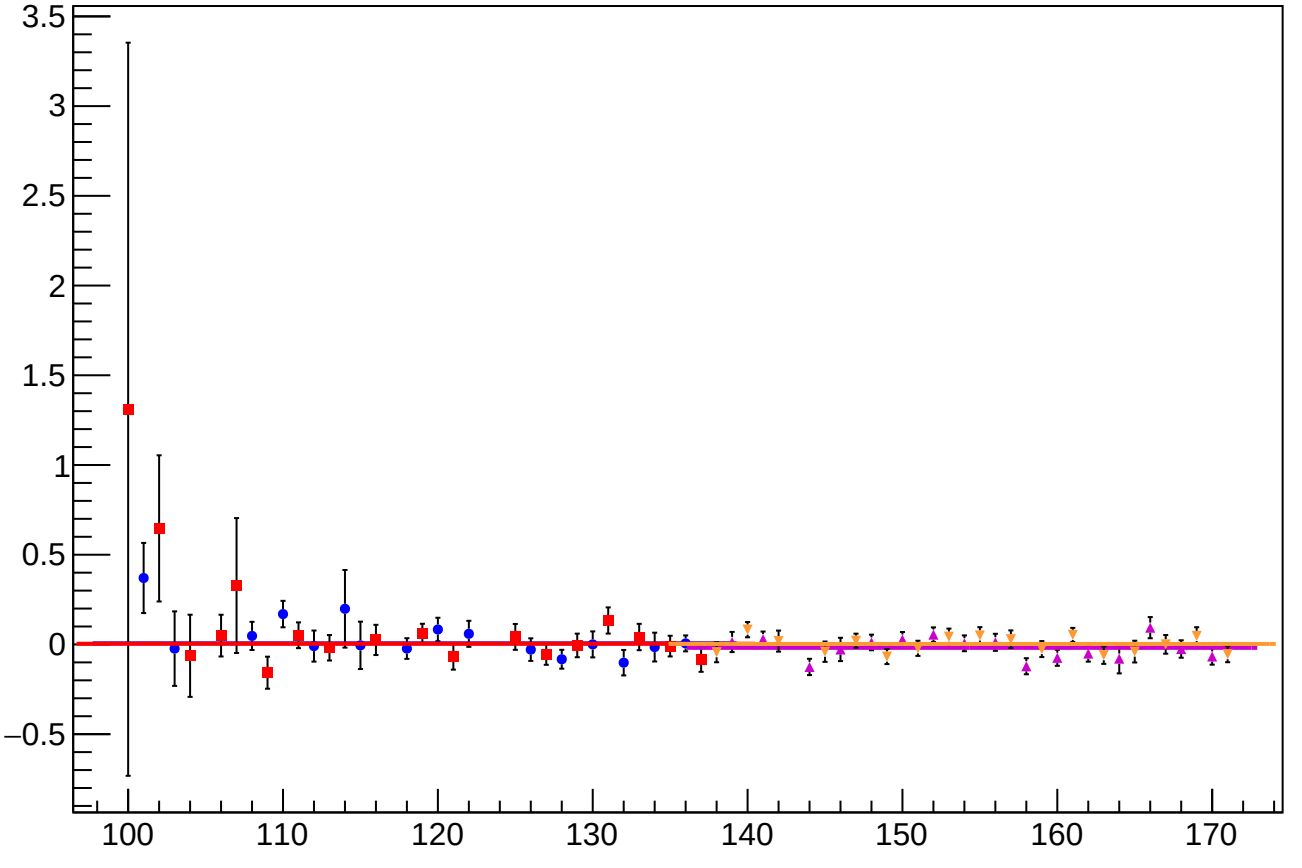
Right: 0.000+/-0.000 χ^2/NDF: 5888629.2/33

In: 0.000+/-0.000 χ^2/NDF:4591331.9/31

Out: 0.000+/-0.000 χ^2/NDF:5336683.5/34

All: 0.000+/-0.000 χ^2/NDF: 9929603.1/66

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: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.008+/-0.008 χ^2/NDF: 44.2/32

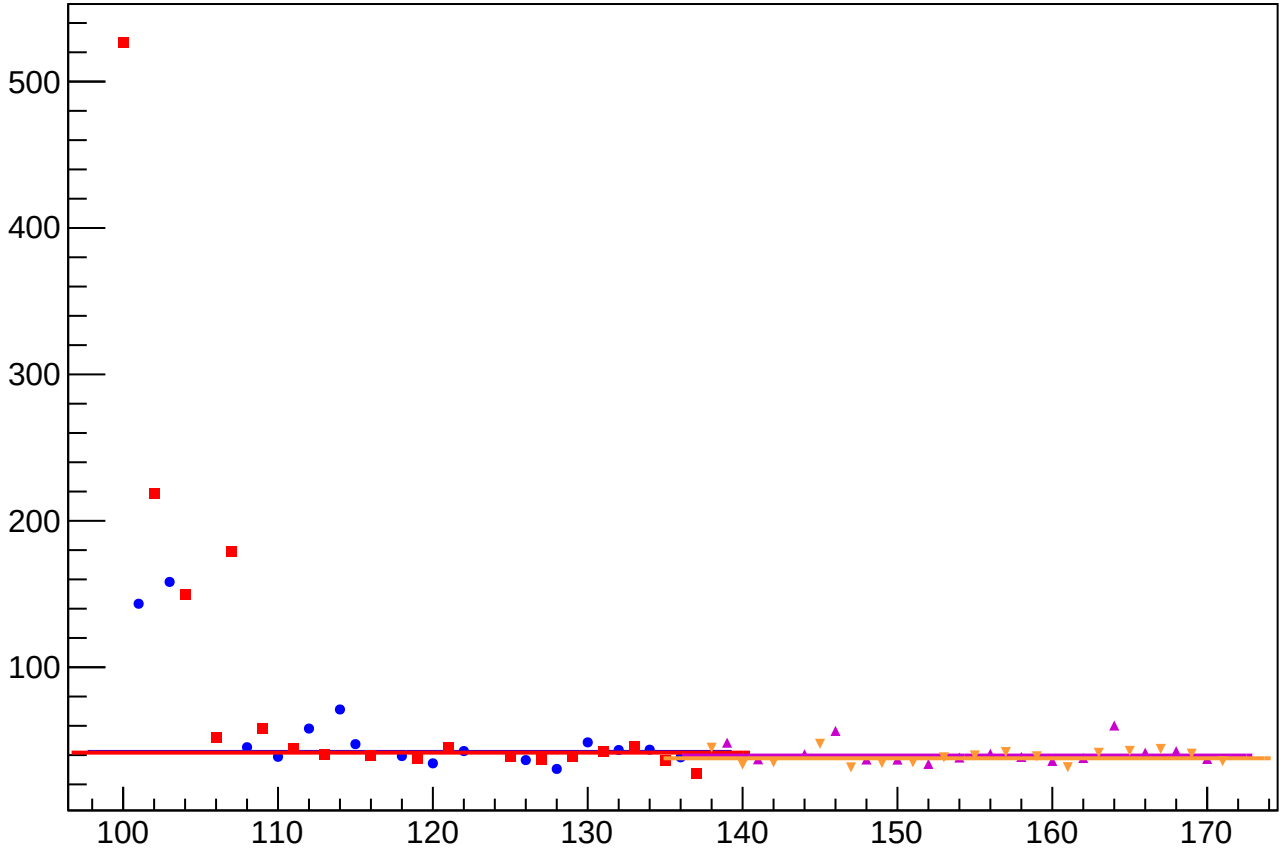
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.004+/-0.007 χ^2/NDF: 78.4/66

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: 39.678+/-0.008 χ^2/NDF:407546.7/15

Left: 38.709+/-0.006 χ^2/NDF: 760389.2/32

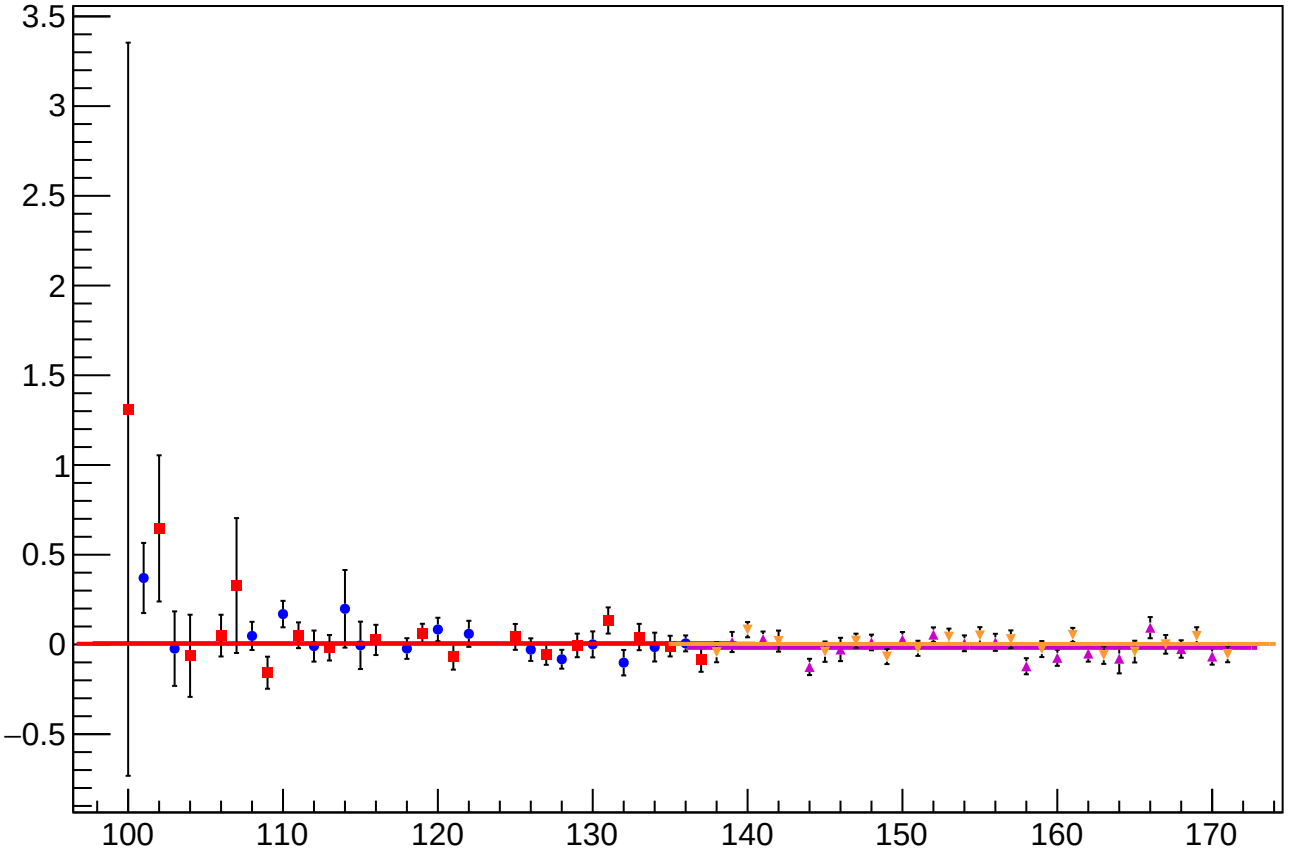
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.419+/-0.007 χ^2/NDF:1887983.9/31

Out: 38.877+/-0.007 χ^2/NDF:1831673.7/34

All: 39.626+/-0.005 χ^2/NDF: 3744296.5/66

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: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.008+/-0.008 χ^2/NDF: 44.2/32

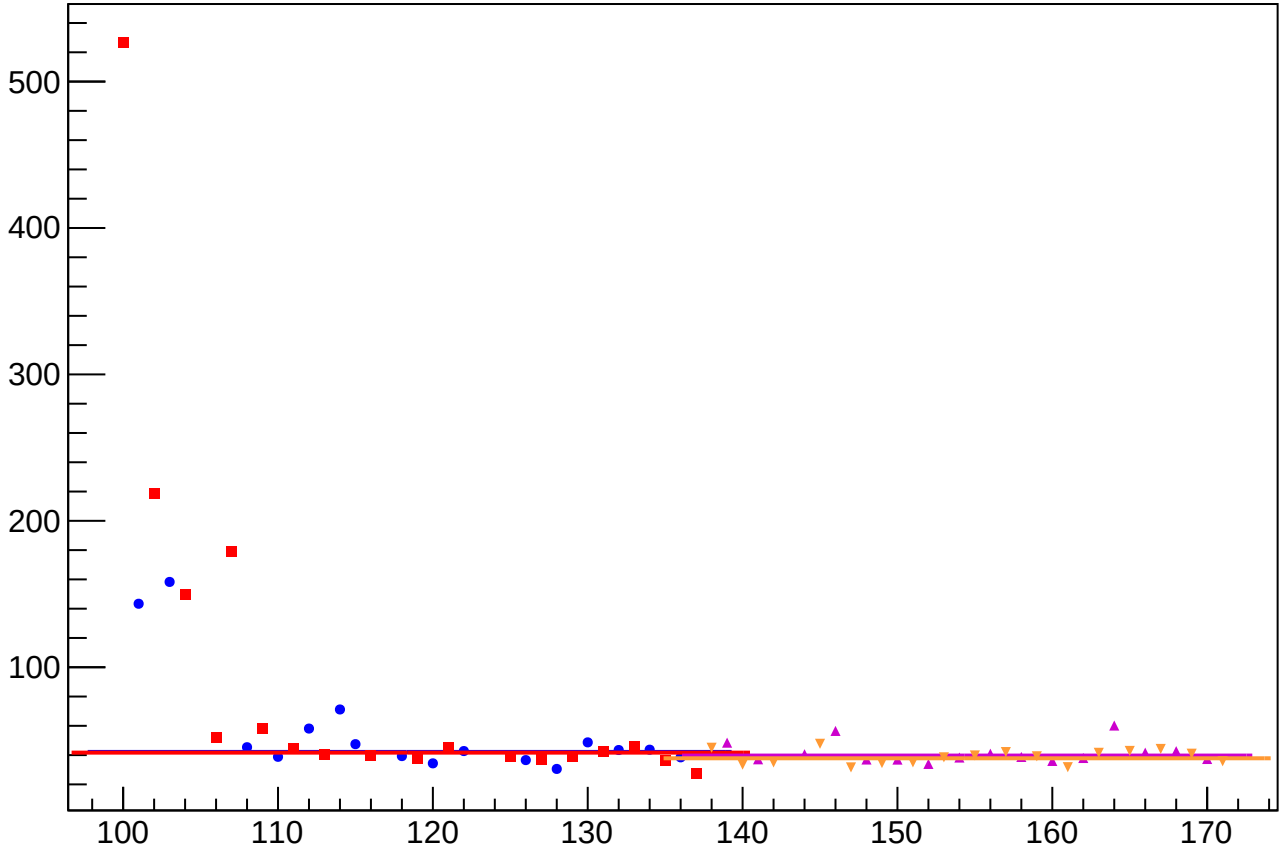
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.004+/-0.007 χ^2/NDF: 78.4/66

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: 39.678+/-0.008 χ^2/NDF:407546.7/15

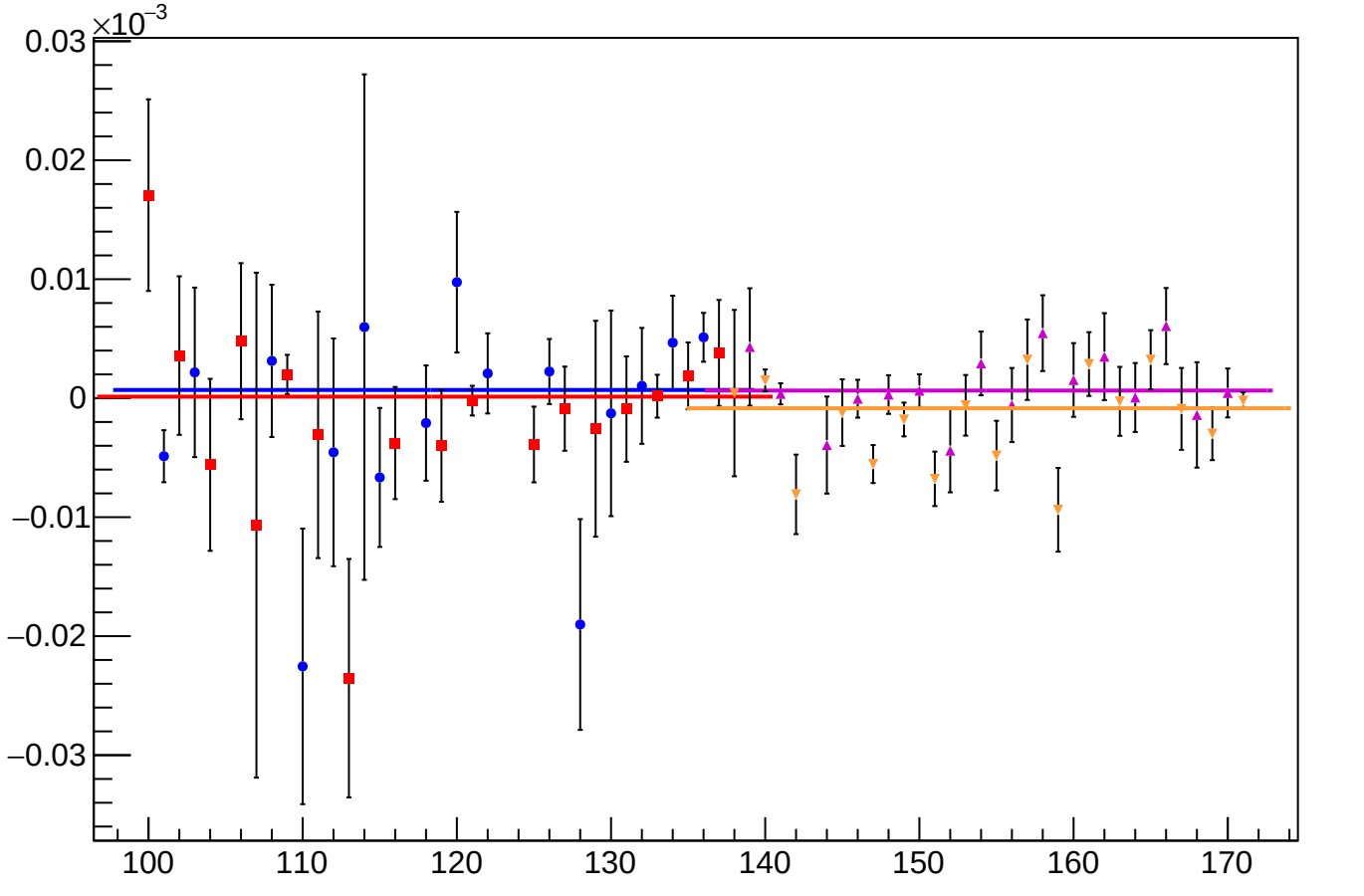
Left: 38.709+/-0.006 χ^2/NDF: 760389.2/32

Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.419+/-0.007 χ^2/NDF:1887983.9/31

Out: 38.877+/-0.007 χ^2/NDF:1831673.7/34

All: 39.626+/-0.005 χ^2/NDF: 3744296.5/66



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:11.2/15

Left: -0.000+/-0.000 χ^2/NDF: 58.9/32

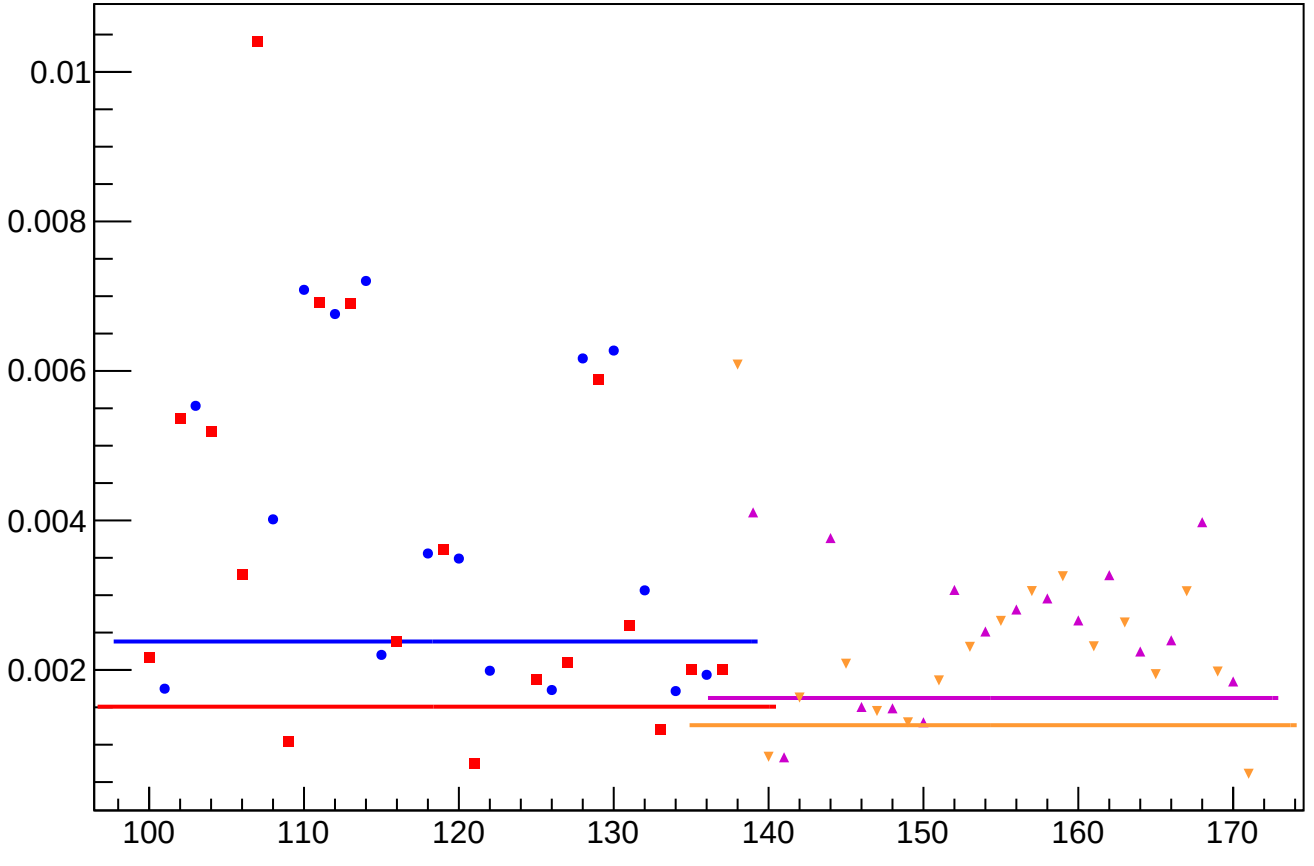
Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.7/31

Out: -0.000+/-0.000 χ^2/NDF:61.4/34

All: -0.000+/-0.000 χ^2/NDF: 103.7/66

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:7090641.9/16

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:5416877.0/15

Left: 0.001+/-0.000 χ^2/NDF: 13107689.6/32

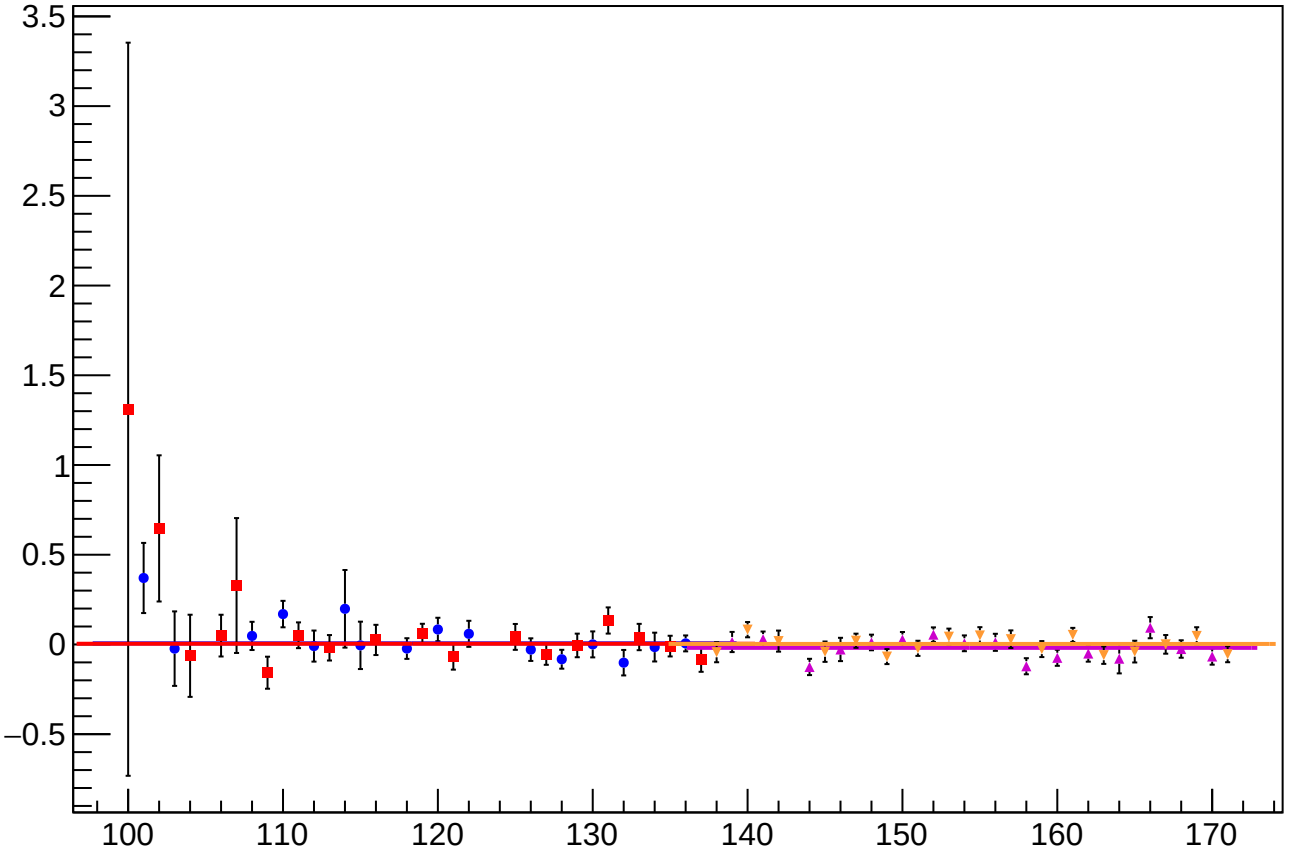
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:9128055.6/31

Out: 0.001+/-0.000 χ^2/NDF:12268436.0/34

All: 0.001+/-0.000 χ^2/NDF: 22604240.9/66

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: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.008+/-0.008 χ^2/NDF: 44.2/32

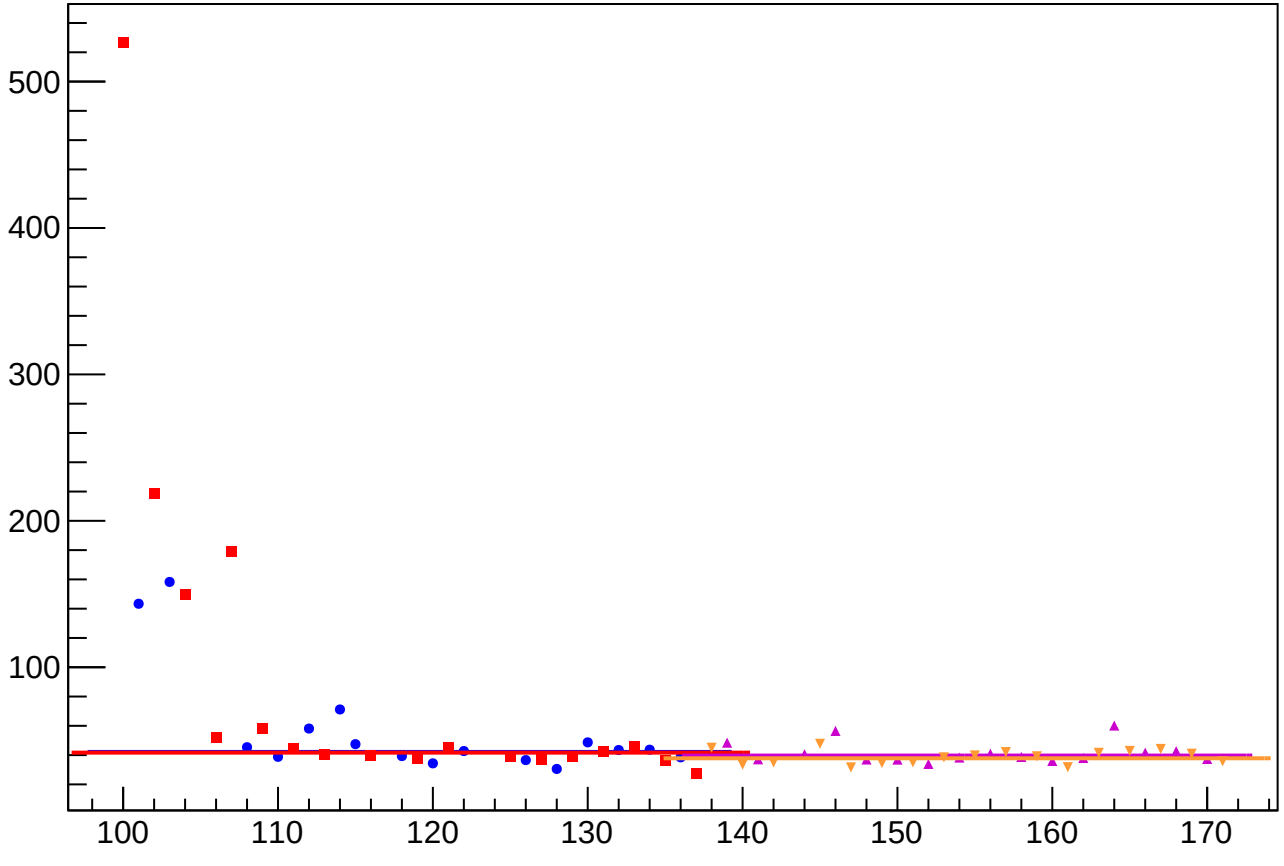
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.004+/-0.007 χ^2/NDF: 78.4/66

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: 39.678+/-0.008 χ^2/NDF:407582.8/15

Left: 38.709+/-0.006 χ^2/NDF: 760410.7/32

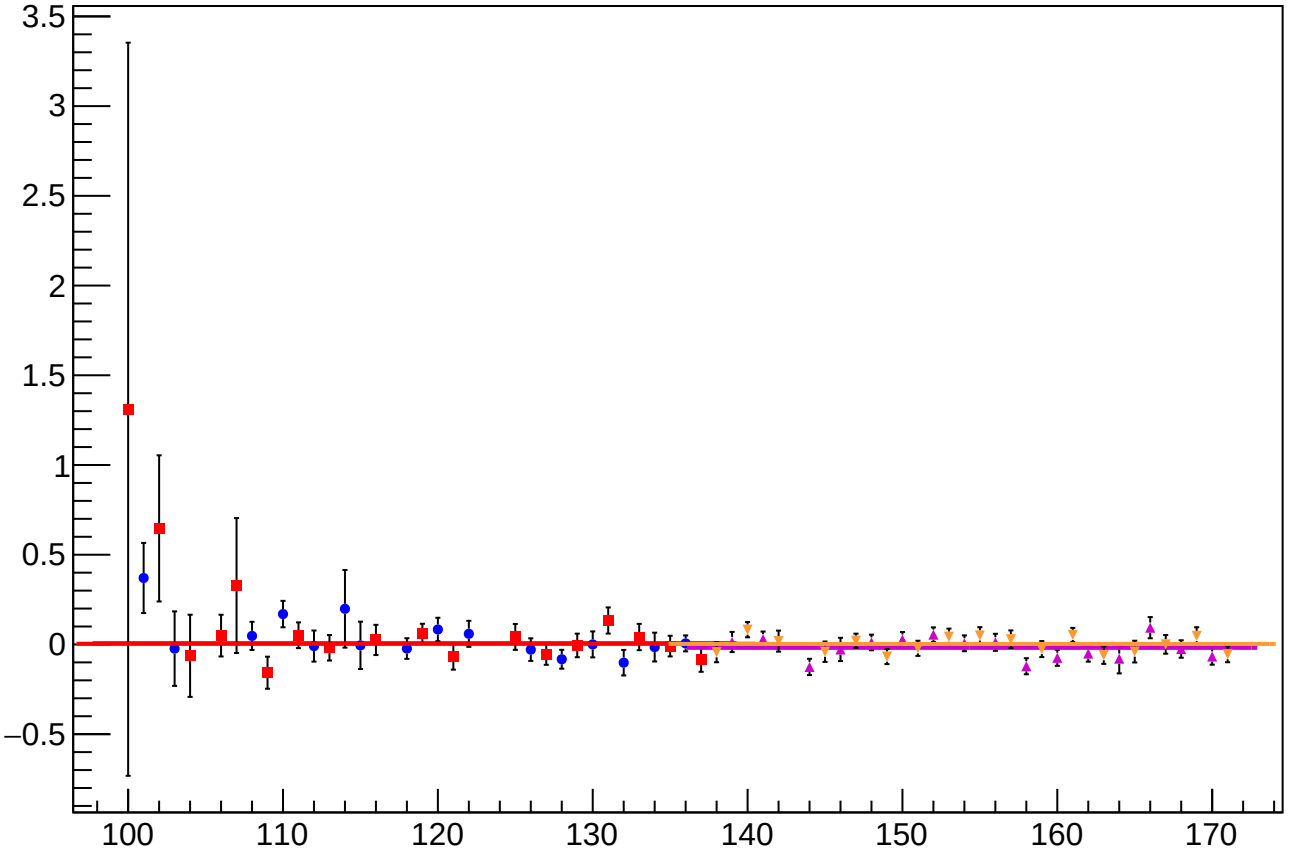
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.418+/-0.007 χ^2/NDF:1888184.4/31

Out: 38.877+/-0.007 χ^2/NDF:1831654.0/34

All: 39.626+/-0.005 χ^2/NDF: 3744448.1/66

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: -0.019+/-0.012 χ^2/NDF:25.4/15

Left: -0.008+/-0.008 χ^2/NDF: 44.2/32

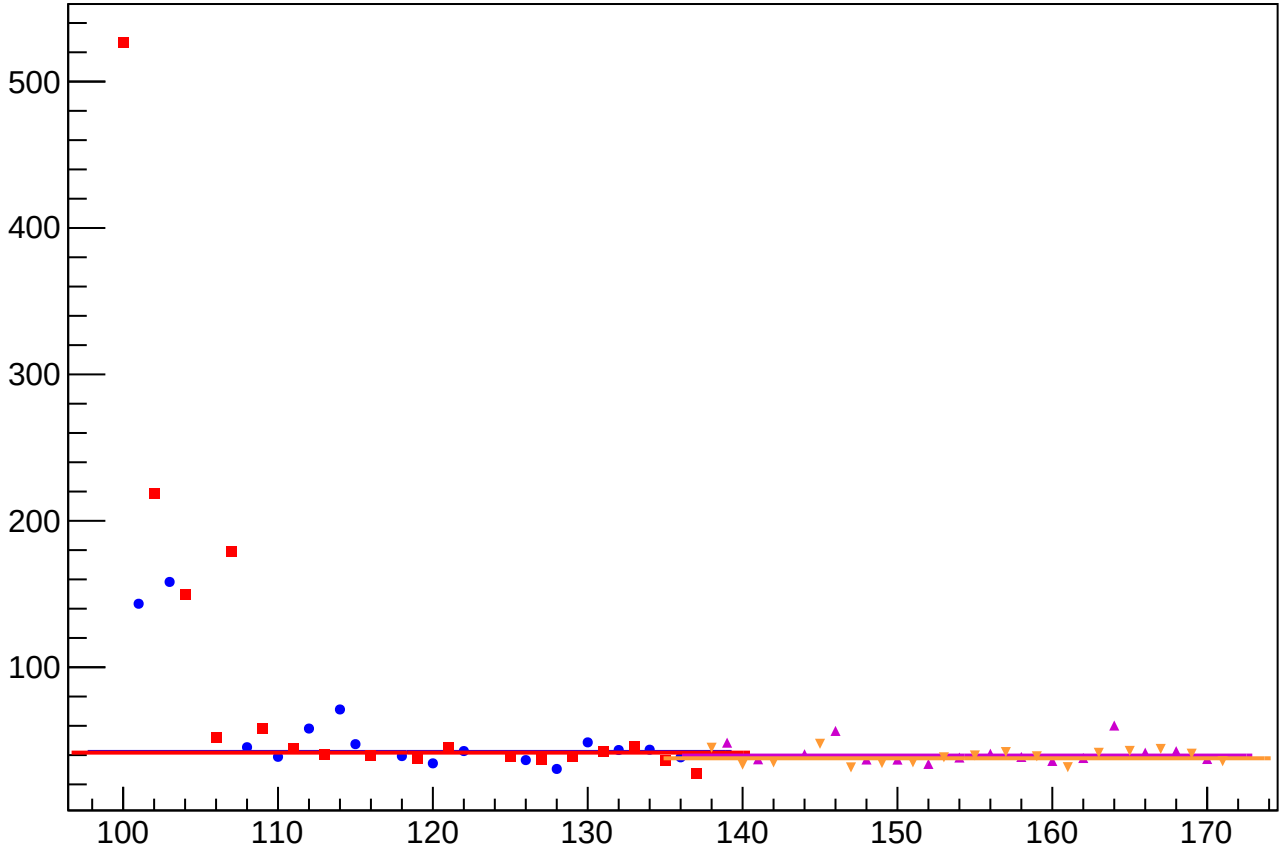
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.012+/-0.010 χ^2/NDF:44.0/31

Out: 0.003+/-0.010 χ^2/NDF:33.3/34

All: -0.004+/-0.007 χ^2/NDF: 78.4/66

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: 39.678+/-0.008 χ^2/NDF:407582.8/15

Left: 38.709+/-0.006 χ^2/NDF: 760410.7/32

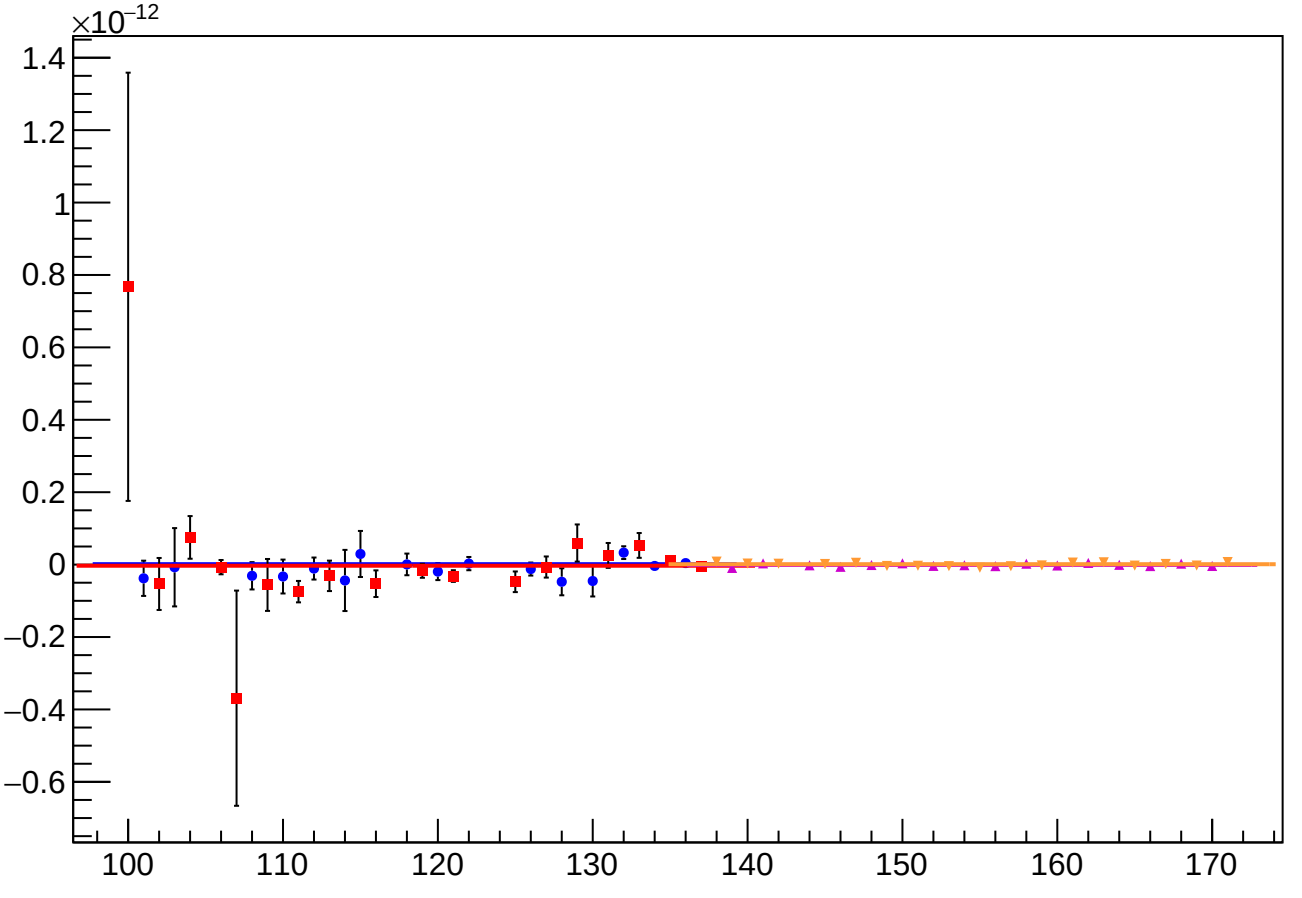
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.418+/-0.007 χ^2/NDF:1888184.4/31

Out: 38.877+/-0.007 χ^2/NDF:1831654.0/34

All: 39.626+/-0.005 χ^2/NDF: 3744448.1/66

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:9.3/15

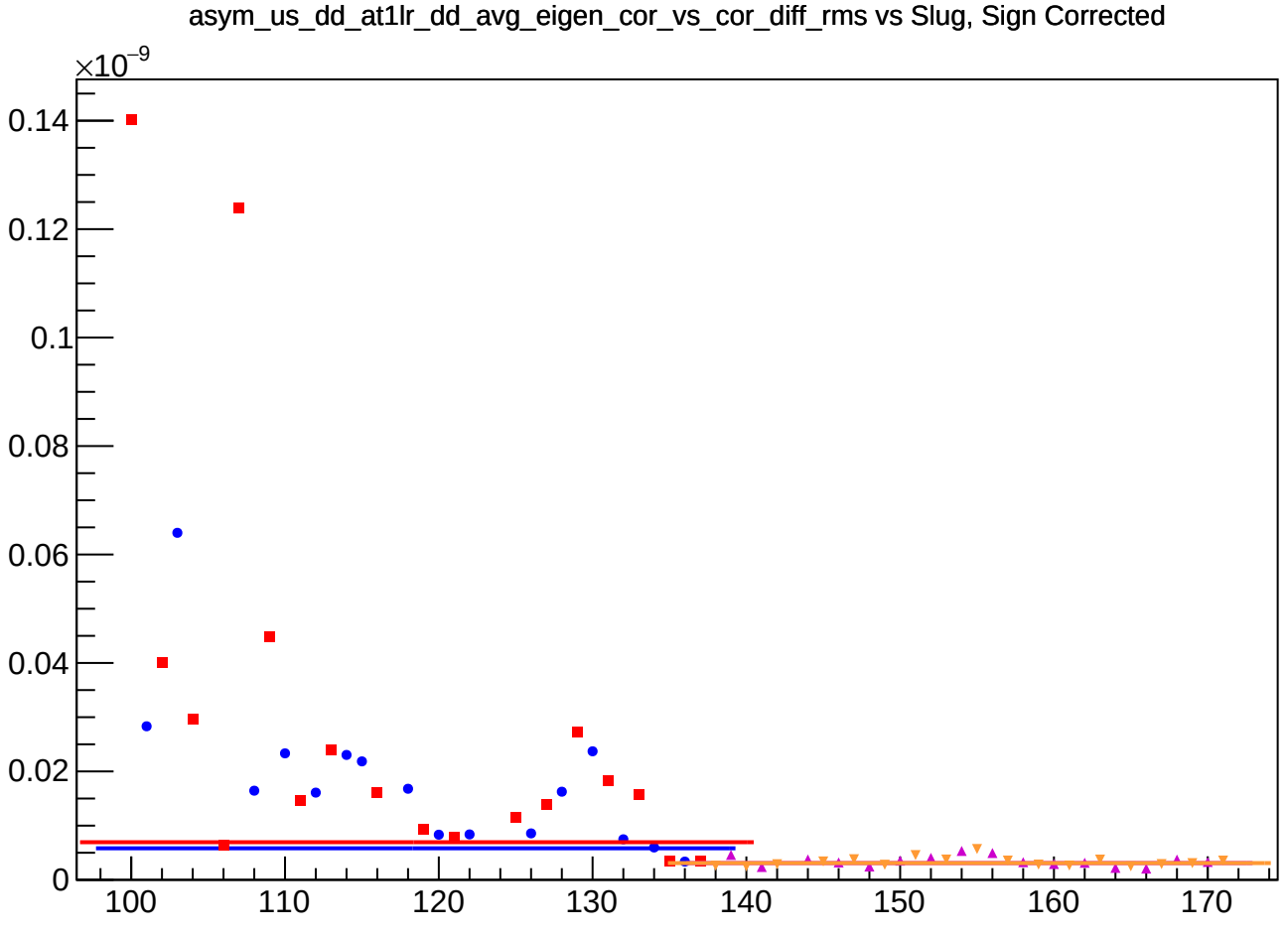
Left: 0.000+/-0.000 χ^2/NDF: 24.4/32

Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:20.1/31

Out: 0.000+/-0.000 χ^2/NDF:43.4/34

All: 0.000+/-0.000 χ^2/NDF: 64.3/66



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:967467.1/15

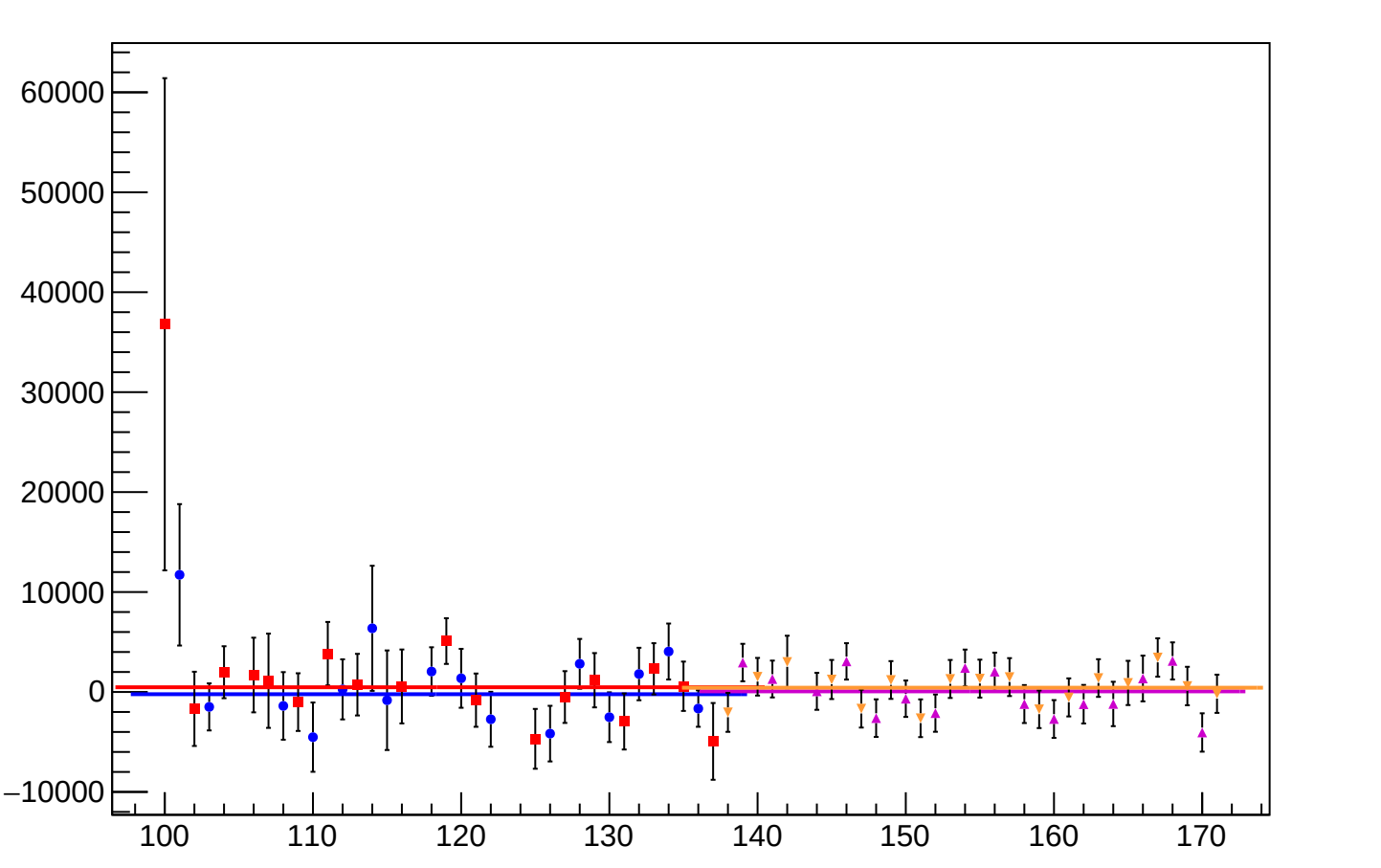
Left: 0.000+/-0.000 χ^2/NDF: 1560374.3/32

Right: 0.000+/-0.000 χ^2/NDF: 7152698.2/33

In: 0.000+/-0.000 χ^2/NDF:5148274.2/31

Out: 0.000+/-0.000 χ^2/NDF:5626619.0/34

All: 0.000+/-0.000 χ^2/NDF: 10774973.6/66



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: 62.568+/-477.072 χ^2/NDF:22.7/15

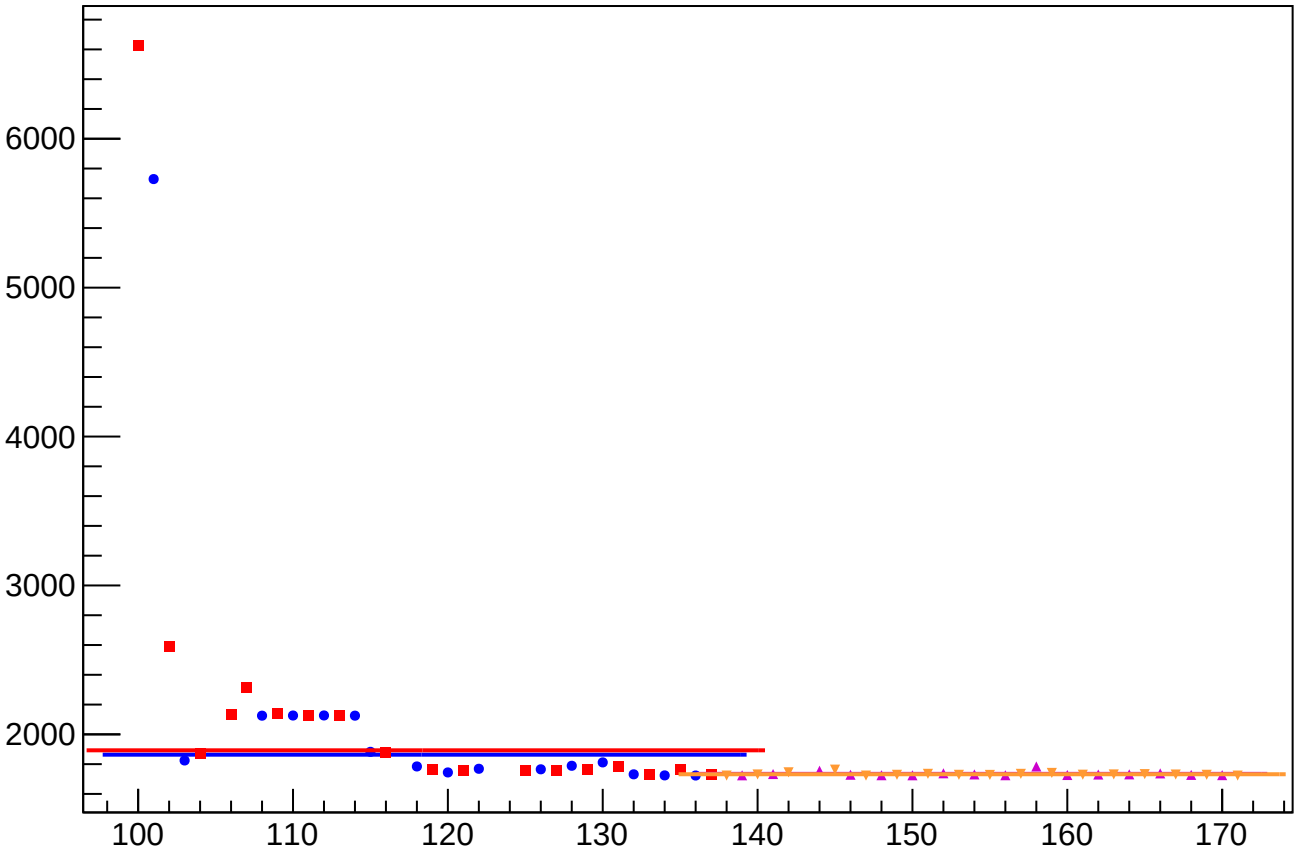
Left: 246.885+/-335.682 χ^2/NDF: 35.3/32

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

In: -26.399+/-395.836 χ^2/NDF:38.6/31

Out: 441.325+/-393.557 χ^2/NDF:28.2/34

All: 208.813+/-279.089 χ^2/NDF: 67.5/66



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.6/15

Left Out: 1732.148+/-0.334 χ^2/NDF:777.0/16

Right Out: 1892.866+/-0.503 χ^2/NDF: 251512.9/17

Left In: 1734.690+/-0.337 χ^2/NDF:1983.2/15

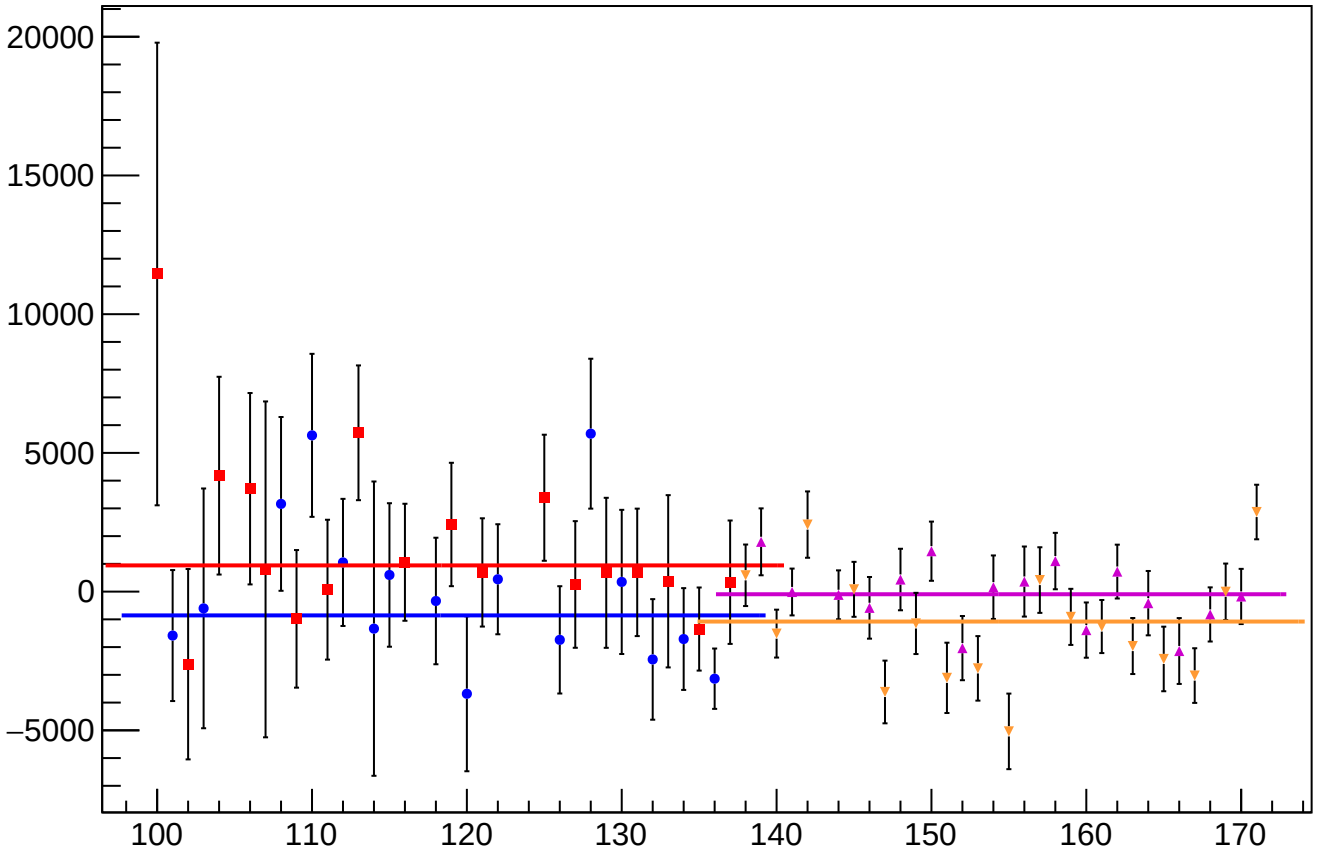
Left: 1733.407+/-0.237 χ^2/NDF: 2788.9/32

Right: 1878.175+/-0.355 χ^2/NDF: 927878.2/33

In: 1774.848+/-0.280 χ^2/NDF:722132.3/31

Out: 1781.325+/-0.278 χ^2/NDF:323119.0/34

All: 1778.105+/-0.197 χ^2/NDF: 1045520.6/66



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: -94.788+/-261.995 χ^2/NDF:15.4/15

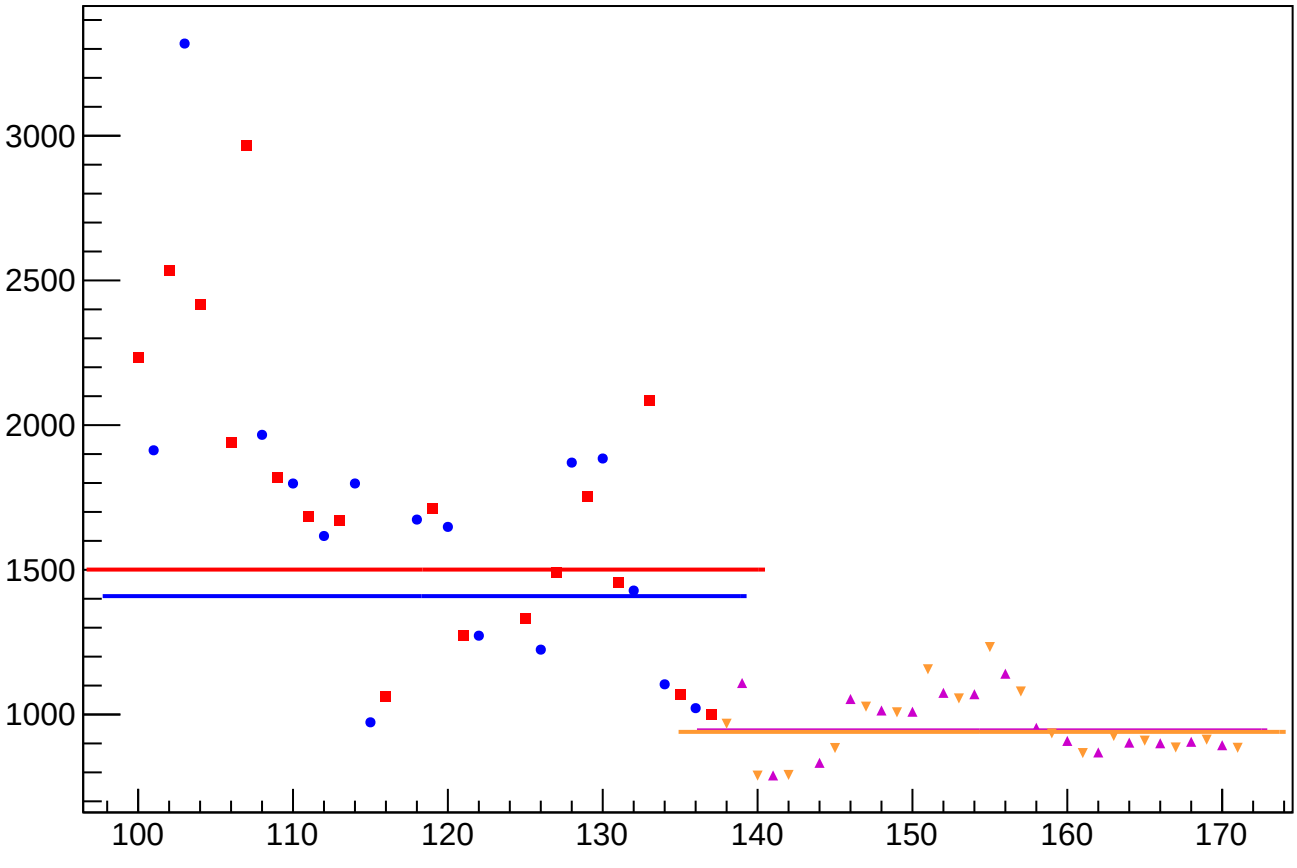
Left: -592.637+/-184.162 χ^2/NDF: 78.0/32

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -235.898+/-236.513 χ^2/NDF:37.6/31

Out: -746.415+/-236.698 χ^2/NDF:78.4/34

All: -490.957+/-167.305 χ^2/NDF: 118.3/66



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: 945.194+/-0.185 χ^2/NDF:297588.3/15

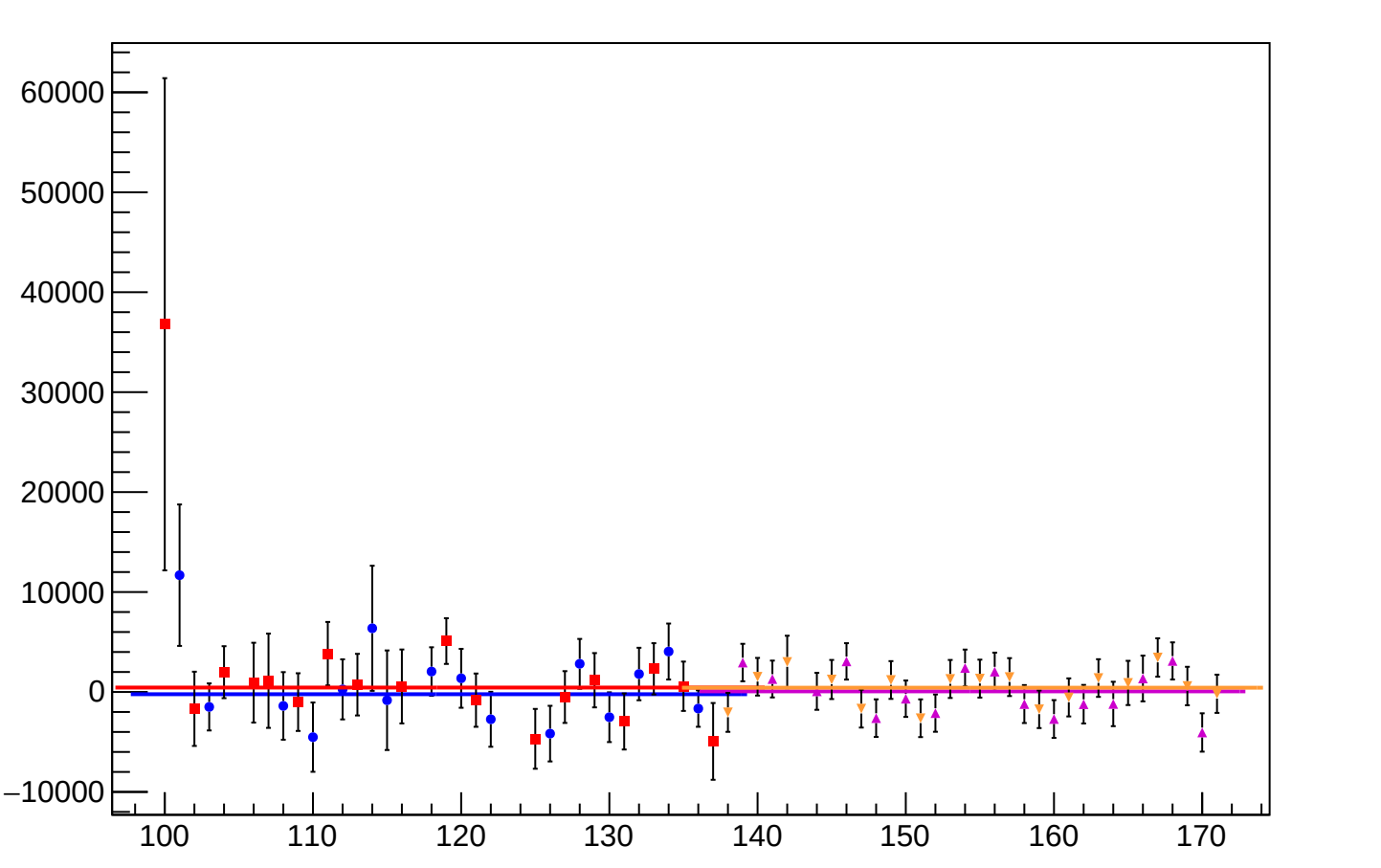
Left: 942.568+/-0.130 χ^2/NDF: 642962.7/32

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1031.044+/-0.167 χ^2/NDF:2625705.6/31

Out: 1032.136+/-0.167 χ^2/NDF:2917170.0/34

All: 1031.589+/-0.118 χ^2/NDF: 5542896.9/66



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: 62.639+/-477.072 χ^2/NDF:22.7/15

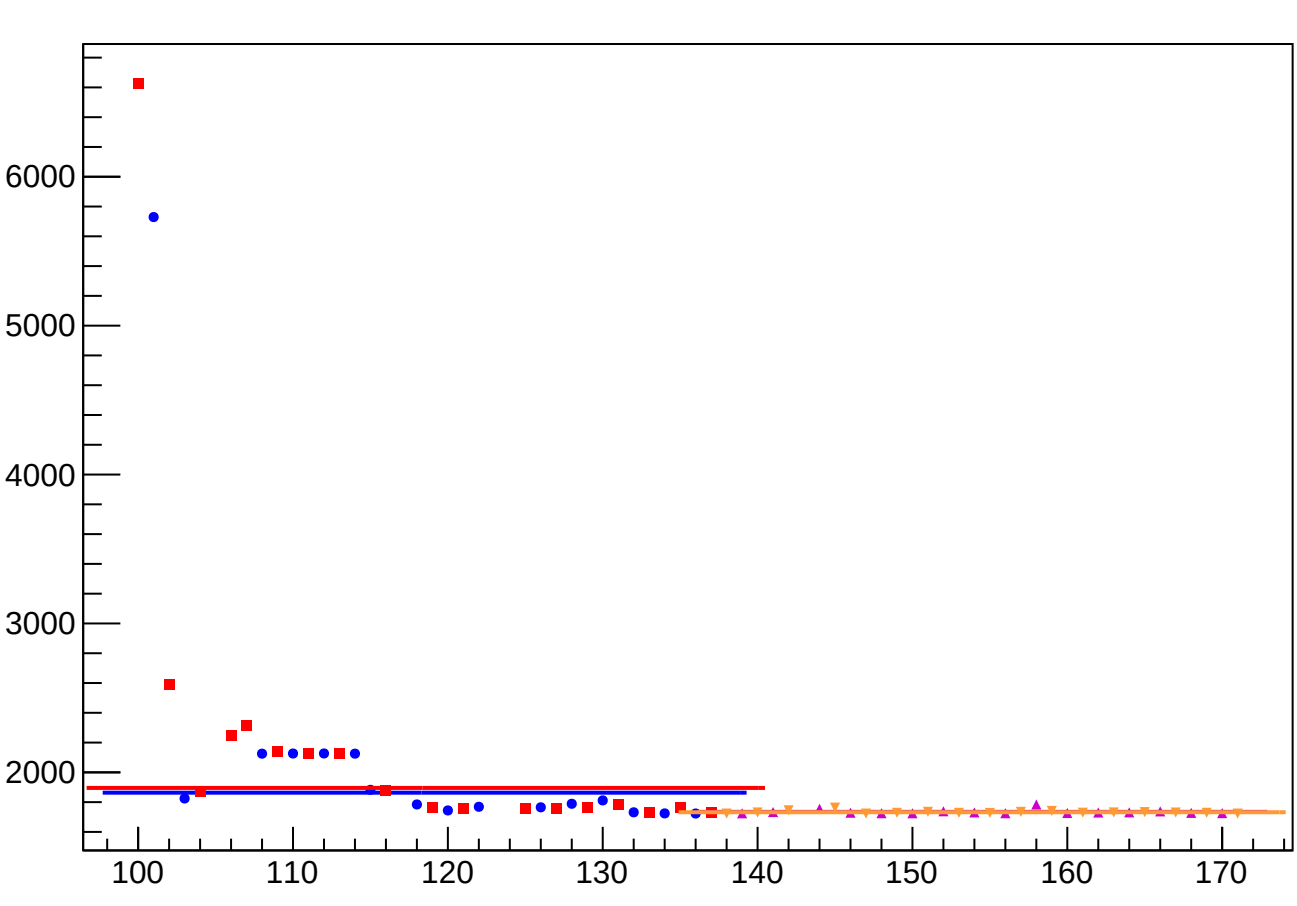
Left: 246.939+/-335.682 χ^2/NDF: 35.3/32

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -26.592+/-395.836 χ^2/NDF:38.6/31

Out: 432.343+/-393.831 χ^2/NDF:28.1/34

All: 204.041+/-279.187 χ^2/NDF: 67.4/66



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: 1734.690+/-0.337 χ^2/NDF:1983.2/15

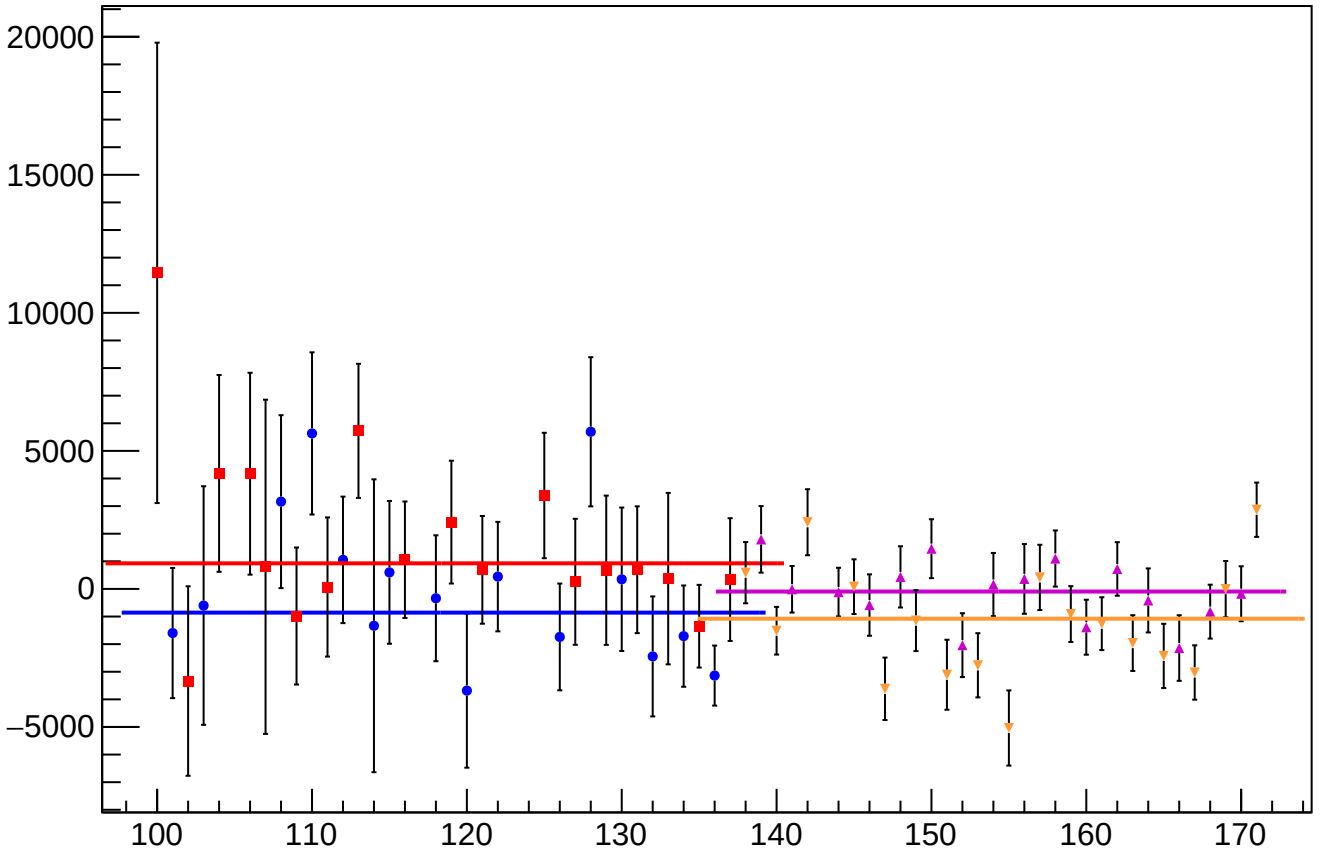
Left: 1733.407+/-0.237 χ^2/NDF: 2788.9/32

Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1774.849+/-0.280 χ^2/NDF:722132.2/31

Out: 1781.970+/-0.278 χ^2/NDF:332879.8/34

All: 1778.427+/-0.197 χ^2/NDF: 1055337.3/66



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: -94.749+/-261.993 χ^2/NDF:15.4/15

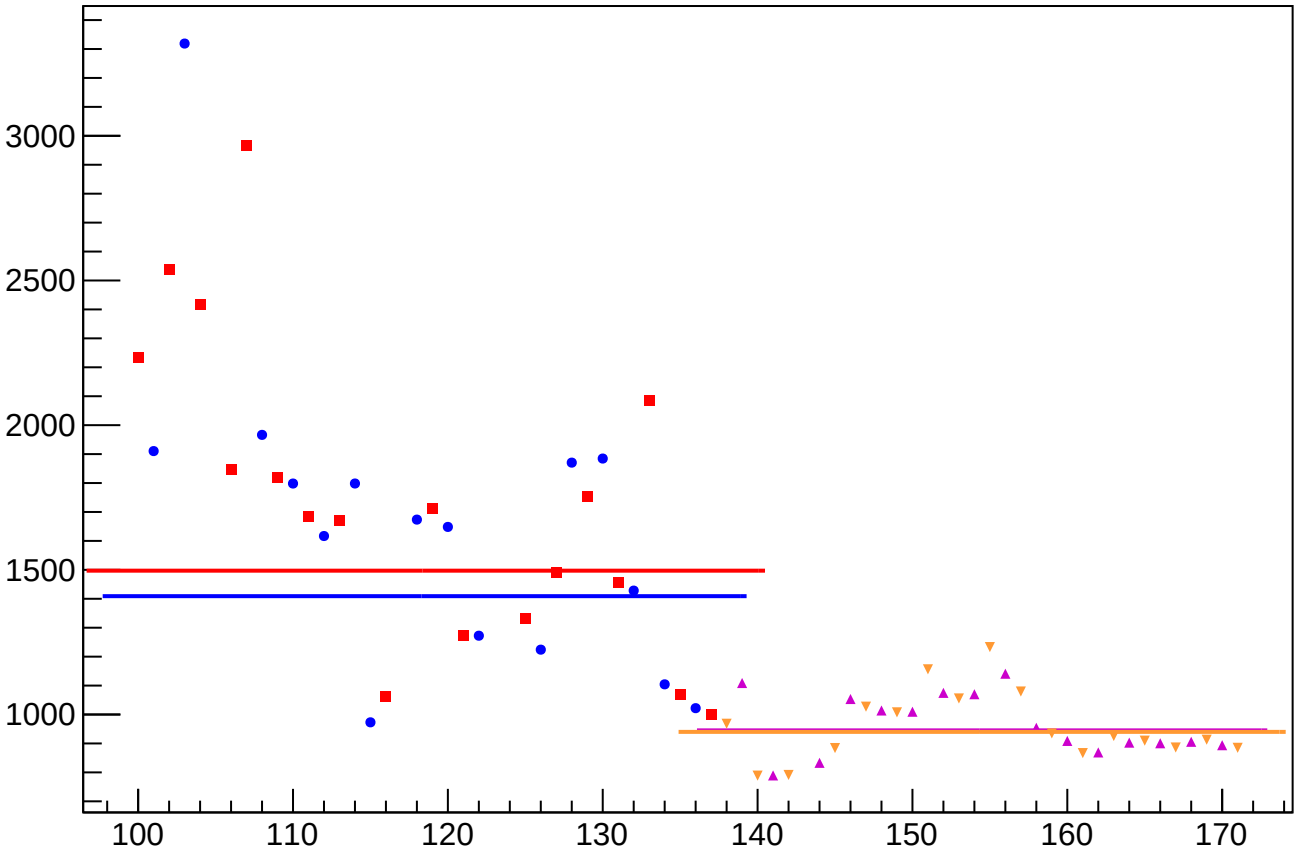
Left: -592.617+/-184.161 χ^2/NDF: 78.0/32

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -236.035+/-236.509 χ^2/NDF:37.6/31

Out: -750.163+/-236.759 χ^2/NDF:78.9/34

All: -492.827+/-167.325 χ^2/NDF: 118.8/66



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: 945.188+/-0.185 χ^2/NDF:297608.1/15

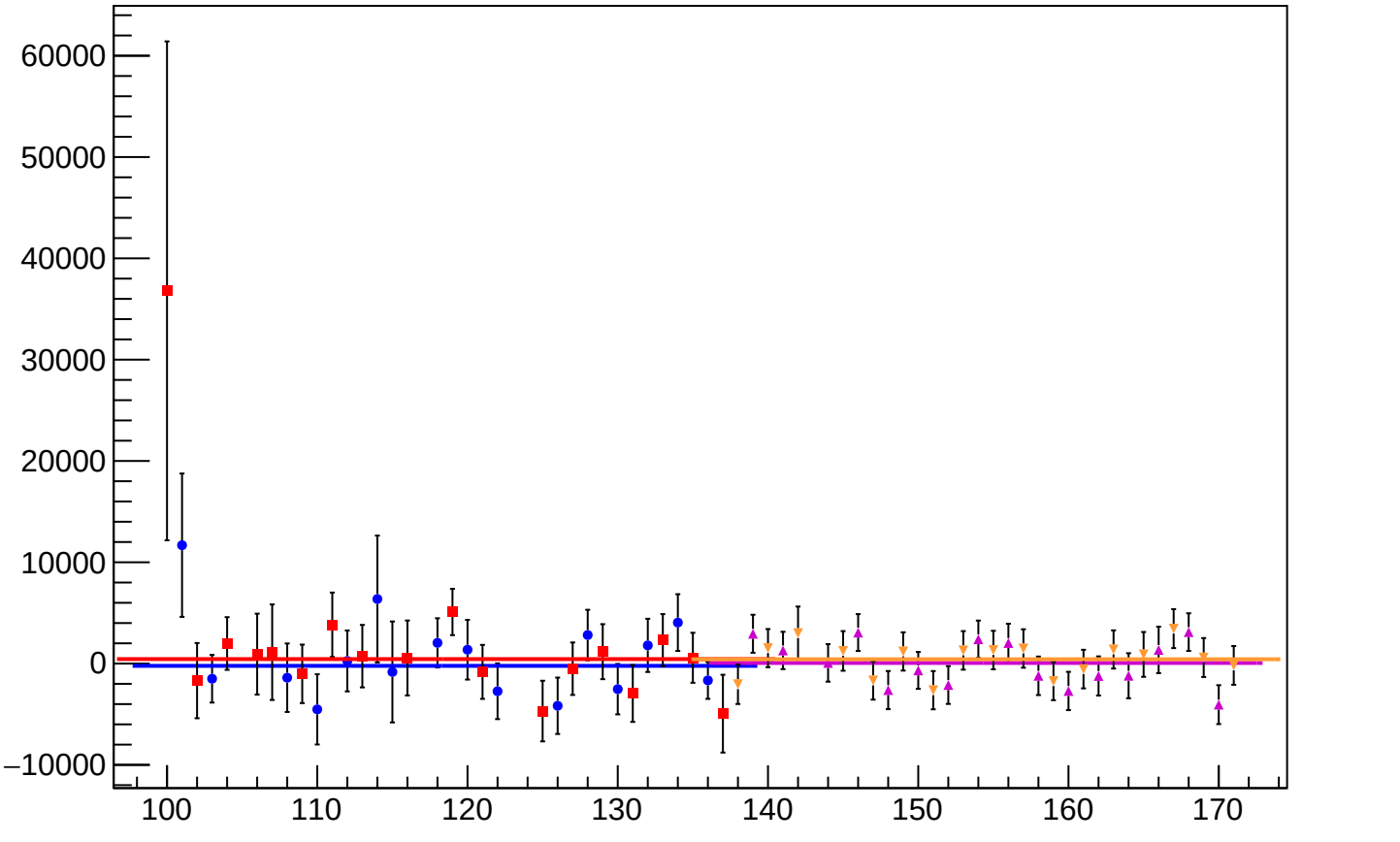
Left: 942.565+/-0.130 χ^2/NDF: 642948.7/32

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1031.035+/-0.167 χ^2/NDF:2624877.1/31

Out: 1031.296+/-0.167 χ^2/NDF:2880482.0/34

All: 1031.165+/-0.118 χ^2/NDF: 5505360.3/66



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: 62.639+/-477.072 χ^2/NDF:22.7/15

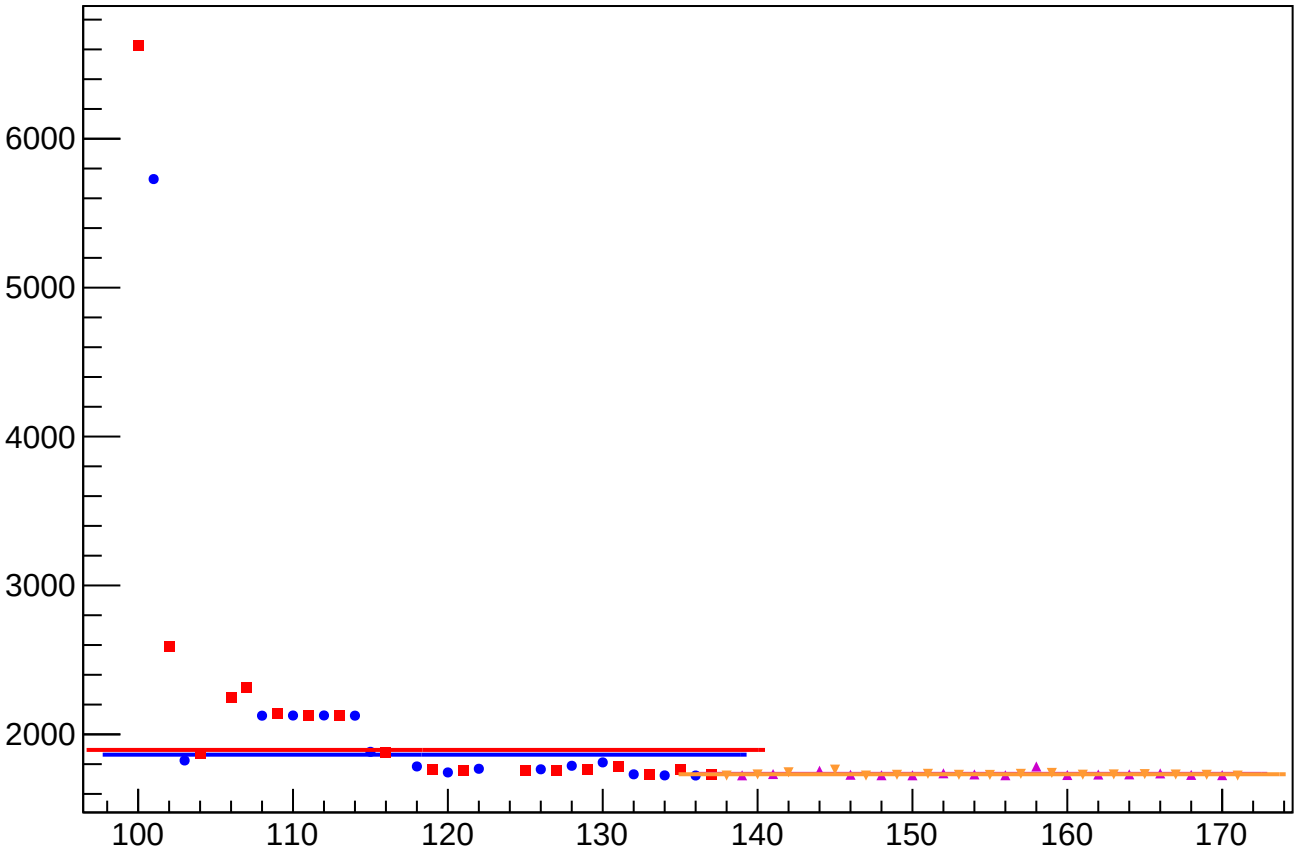
Left: 246.939+/-335.682 χ^2/NDF: 35.3/32

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: -26.592+/-395.836 χ^2/NDF:38.6/31

Out: 432.343+/-393.831 χ^2/NDF:28.1/34

All: 204.041+/-279.187 χ^2/NDF: 67.4/66



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: 1734.690+/-0.337 χ^2/NDF:1983.2/15

Left: 1733.407+/-0.237 χ^2/NDF: 2788.9/32

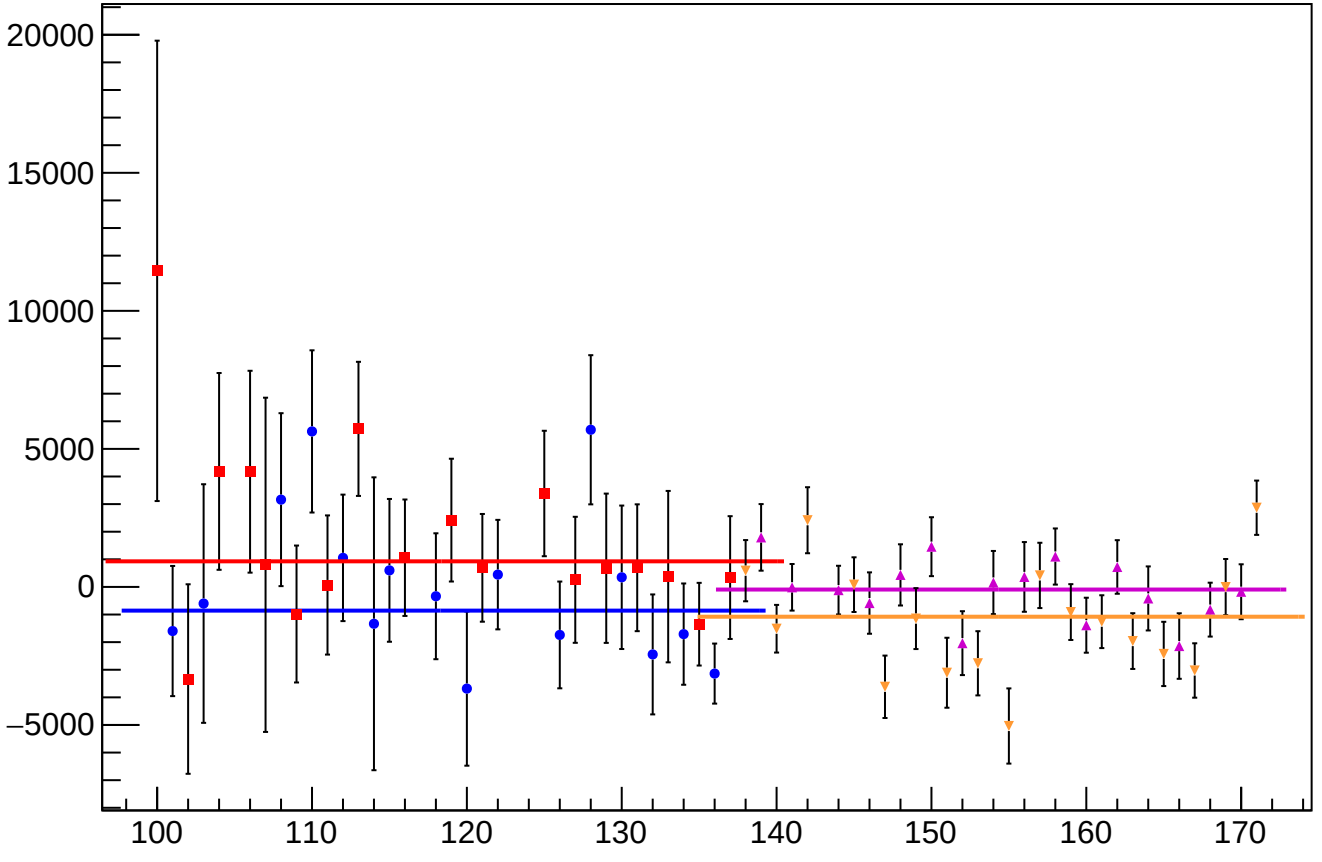
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1774.849+/-0.280 χ^2/NDF:722132.2/31

Out: 1781.970+/-0.278 χ^2/NDF:332879.8/34

All: 1778.427+/-0.197 χ^2/NDF: 1055337.3/66

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: -94.749+/-261.993 χ^2/NDF:15.4/15

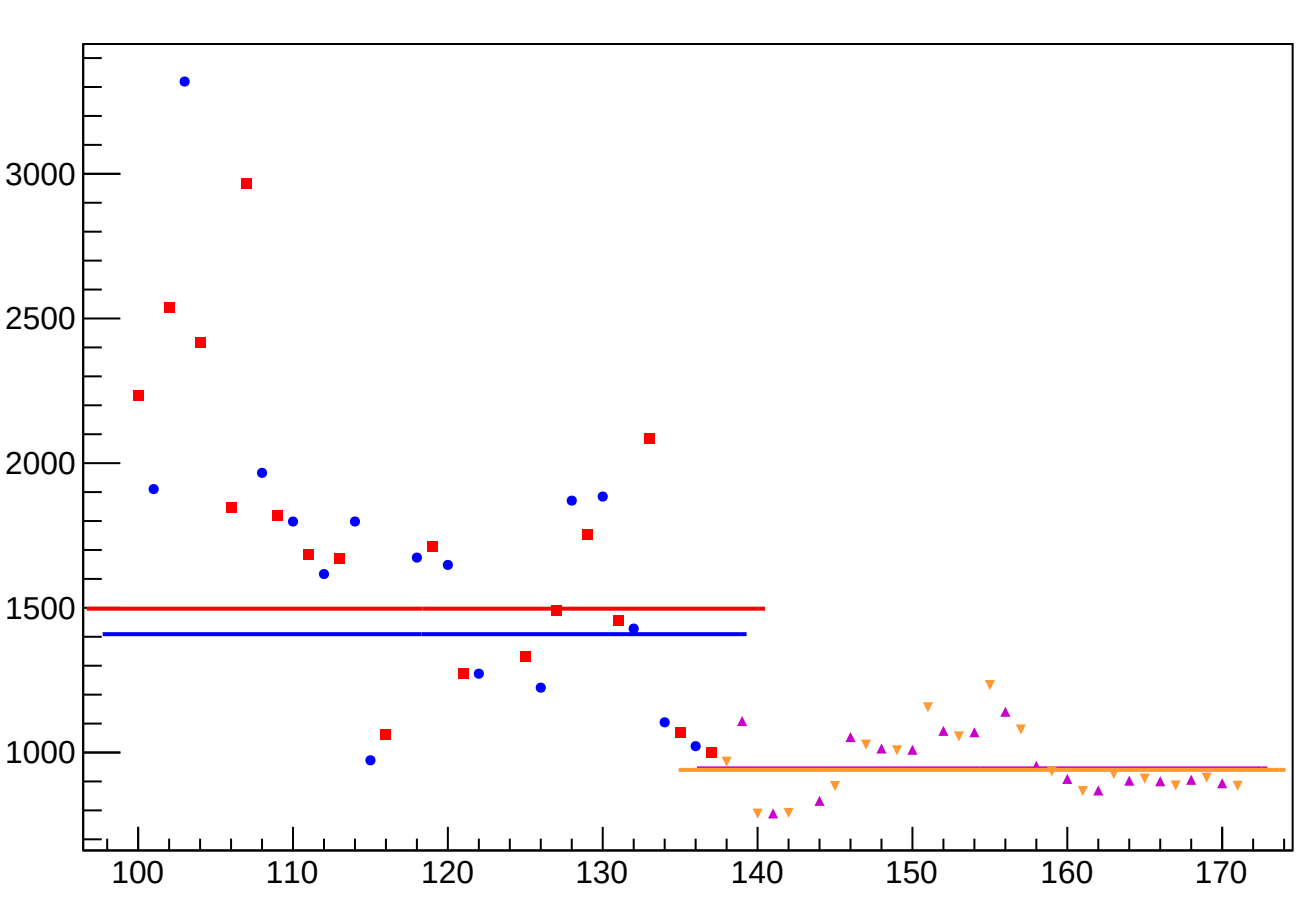
Left: -592.617+/-184.161 χ^2/NDF: 78.0/32

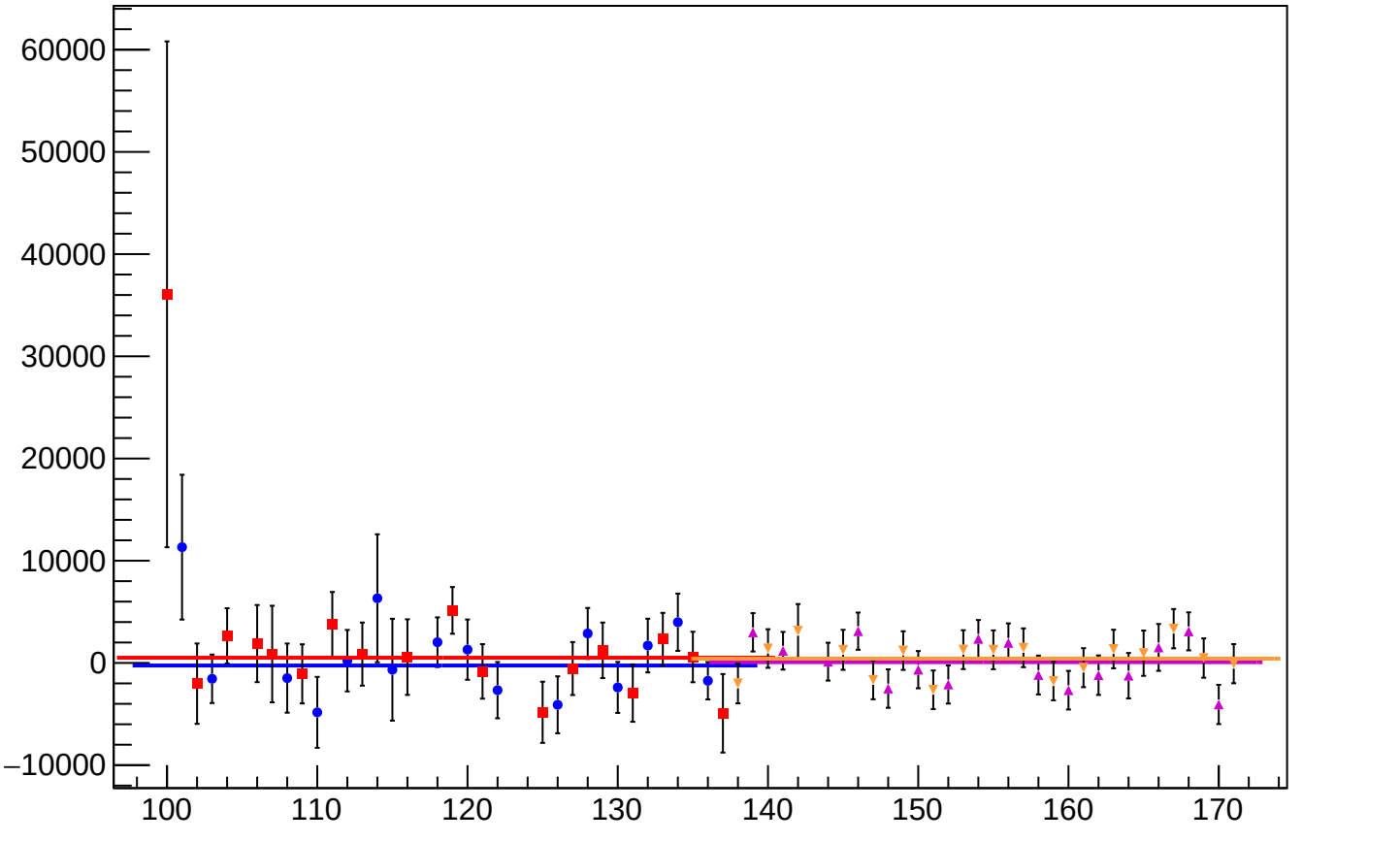
Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -236.035+/-236.509 χ^2/NDF:37.6/31

Out: -750.163+/-236.759 χ^2/NDF:78.9/34

All: -492.827+/-167.325 χ^2/NDF: 118.8/66


asym_us_dd_at1lr_dd_dd_eigen_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: 945.188+/-0.185 χ²/NDF:297608.1/15
Left: 942.565+/-0.130 χ²/NDF: 642948.7/32
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1031.035+/-0.167 χ²/NDF:2624877.1/31
Out: 1031.296+/-0.167 χ²/NDF:2880482.0/34
All: 1031.165+/-0.118 χ²/NDF: 5505360.3/66



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: 77.581+/-477.341 χ^2/NDF:22.5/15

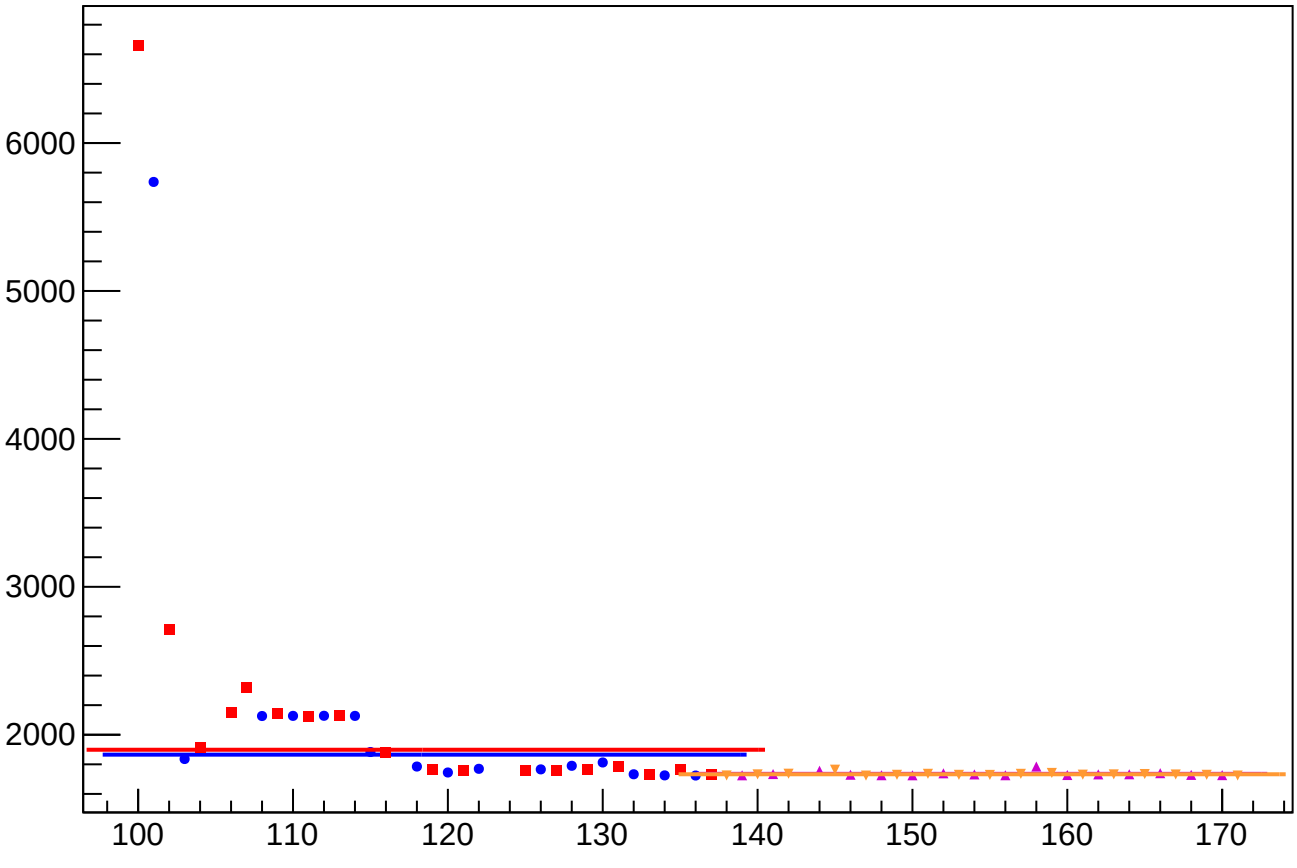
Left: 252.453+/-335.848 χ^2/NDF: 34.8/32

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: -25.029+/-396.132 χ^2/NDF:38.3/31

Out: 450.079+/-394.342 χ^2/NDF:28.5/34

All: 213.601+/-279.473 χ^2/NDF: 67.5/66



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: 1735.667+/-0.338 χ^2/NDF:1977.8/15

Left: 1734.247+/-0.237 χ^2/NDF: 2731.8/32

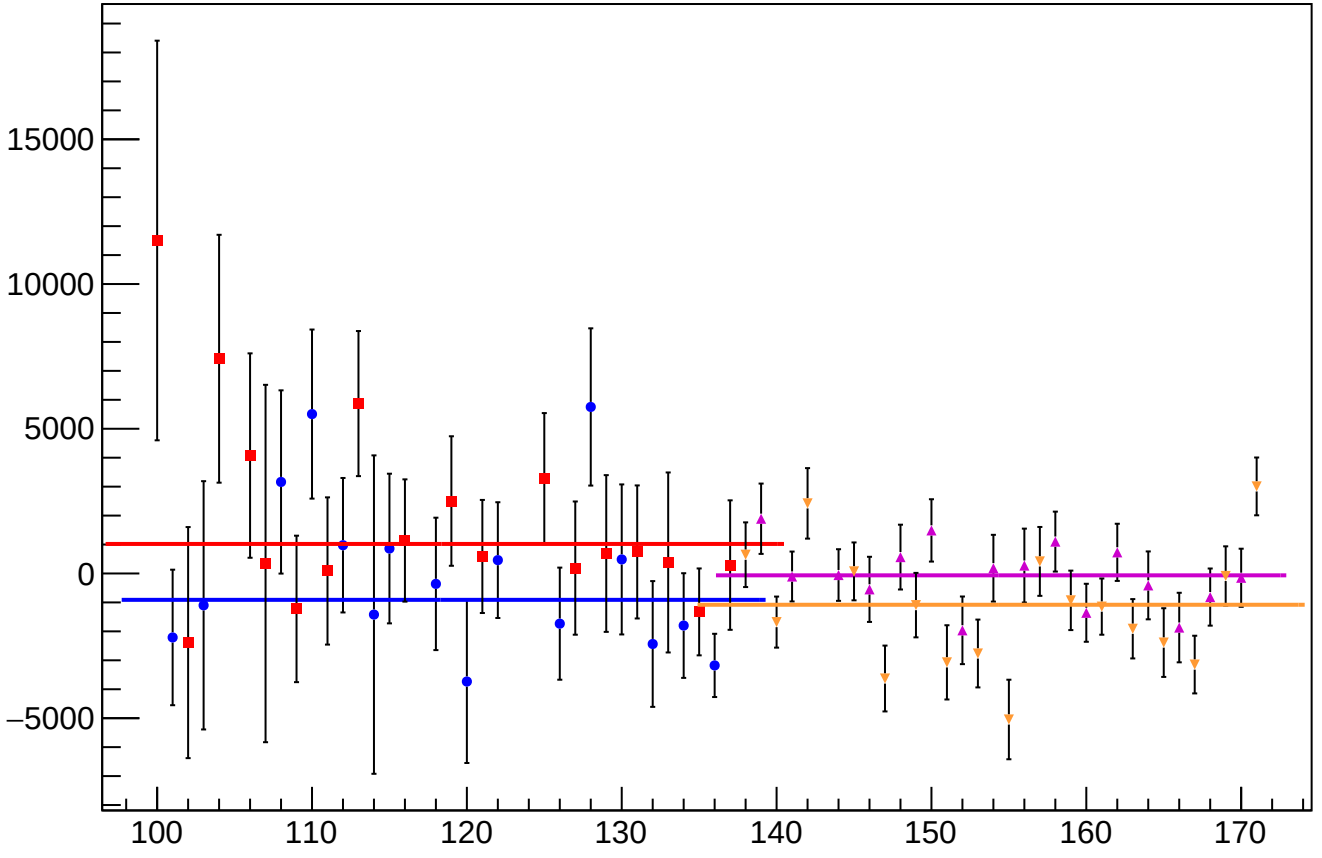
Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1776.067+/-0.280 χ^2/NDF:722986.3/31

Out: 1783.210+/-0.279 χ^2/NDF:344561.6/34

All: 1779.655+/-0.198 χ^2/NDF: 1067874.6/66

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: -64.323+/-265.153 χ^2/NDF:14.4/15

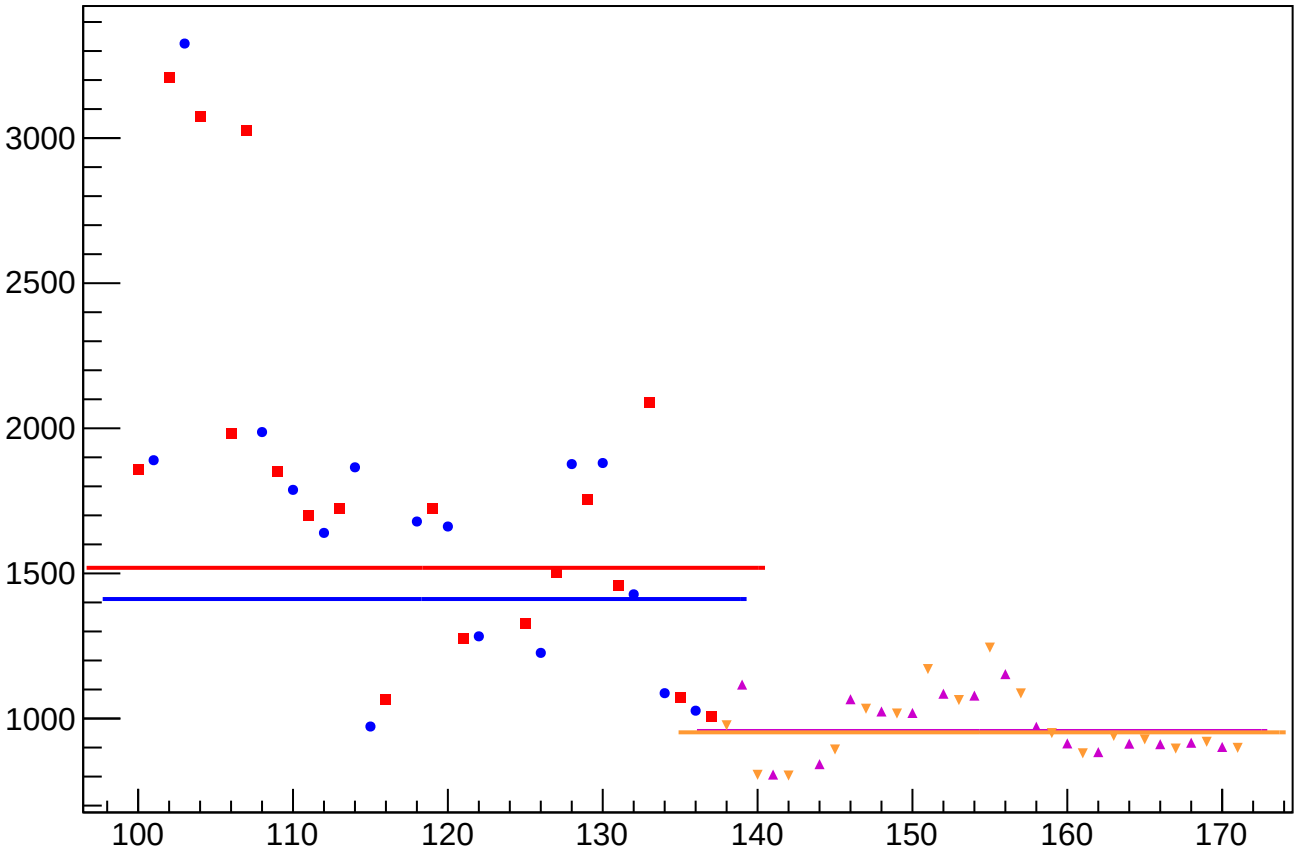
Left: -578.385+/-186.437 χ^2/NDF: 77.6/32

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: -223.594+/-238.915 χ^2/NDF:37.4/31

Out: -736.082+/-239.709 χ^2/NDF:81.2/34

All: -478.988+/-169.218 χ^2/NDF: 120.9/66



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: 957.051+/-0.187 χ^2/NDF:284593.5/15

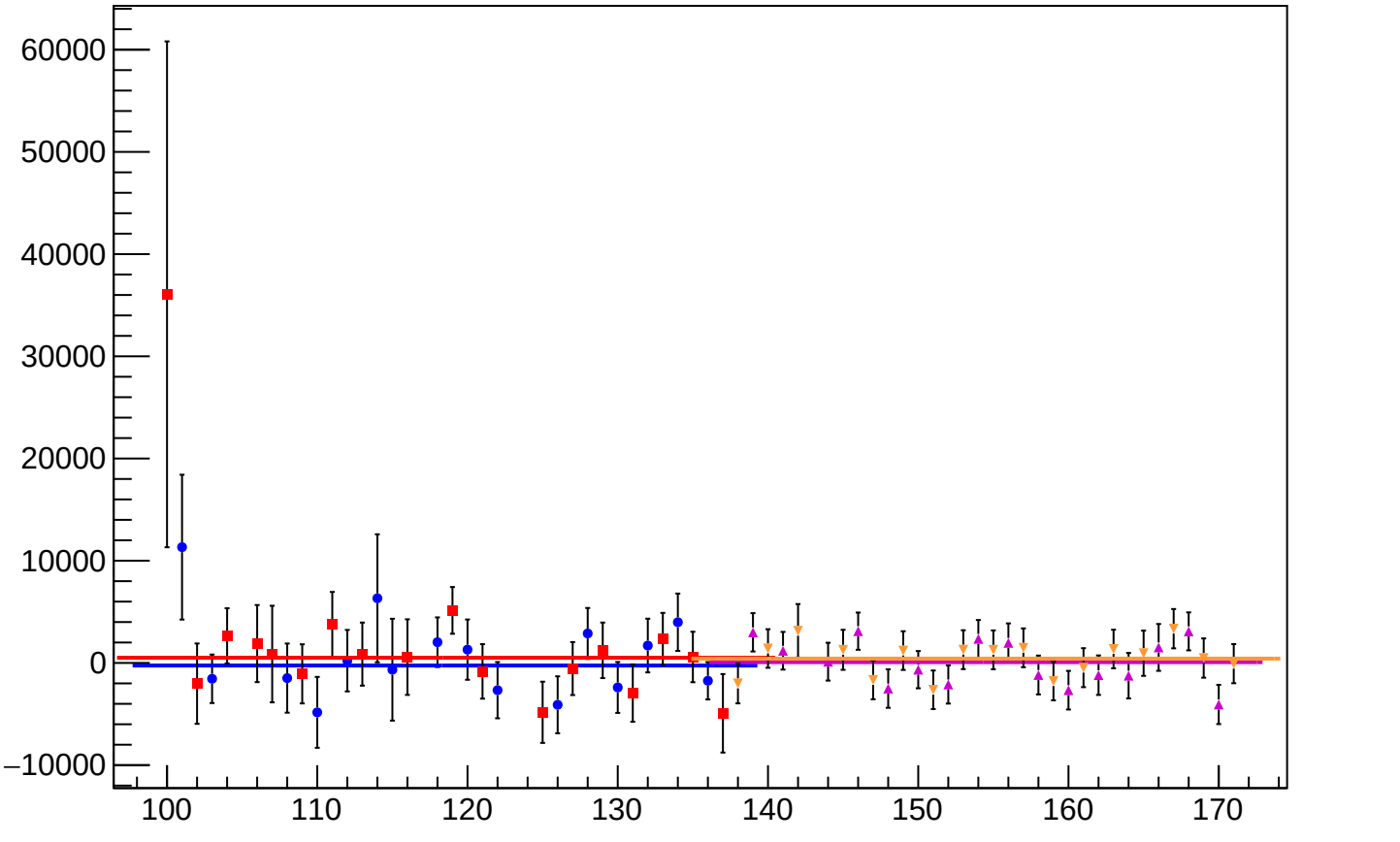
Left: 954.714+/-0.132 χ^2/NDF: 612576.3/32

Right: 1461.694+/-0.285 χ^2/NDF: 2573300.6/33

In: 1042.590+/-0.169 χ^2/NDF:2568759.1/31

Out: 1045.496+/-0.169 χ^2/NDF:3222667.7/34

All: 1044.038+/-0.120 χ^2/NDF: 5791574.3/66



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: 77.581+/-477.341 χ^2/NDF:22.5/15

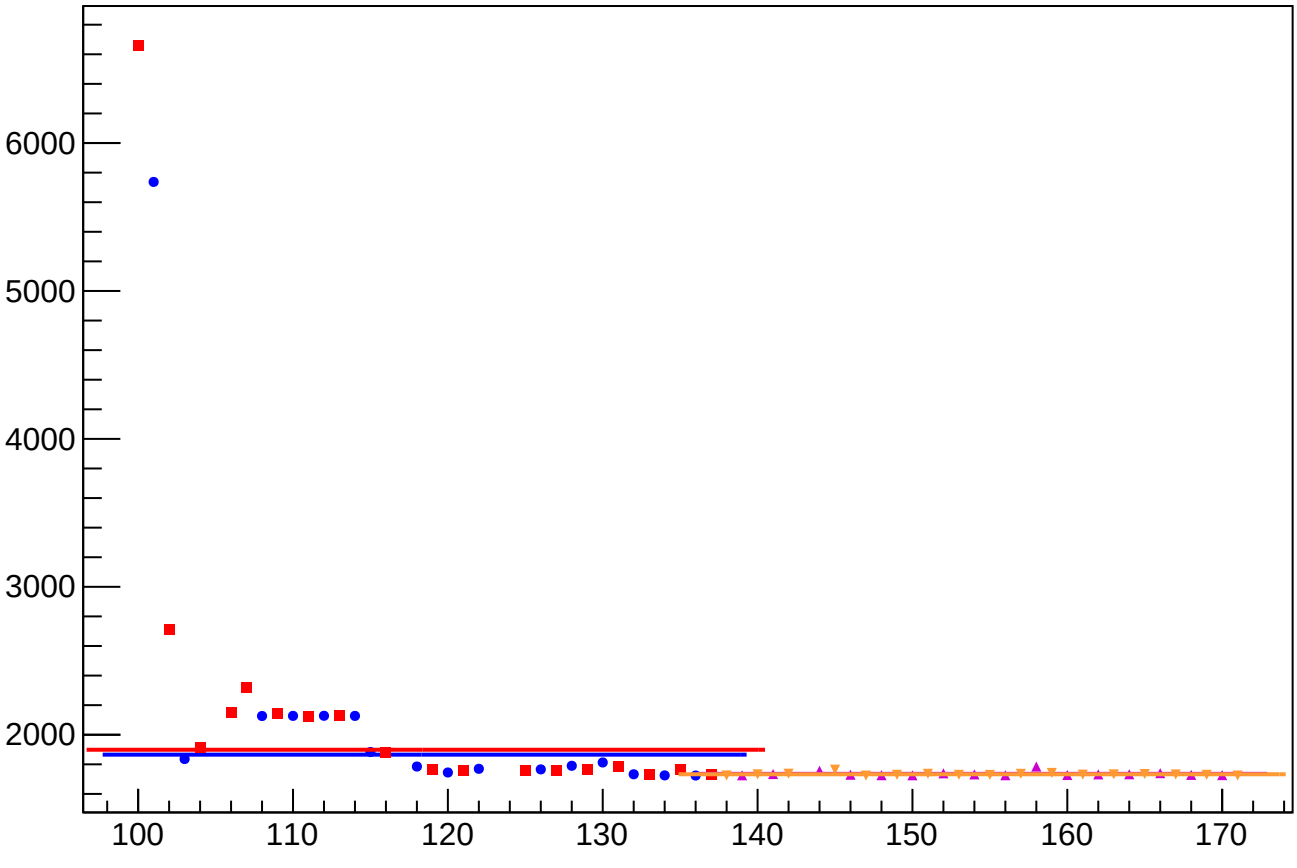
Left: 252.453+/-335.848 χ^2/NDF: 34.8/32

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

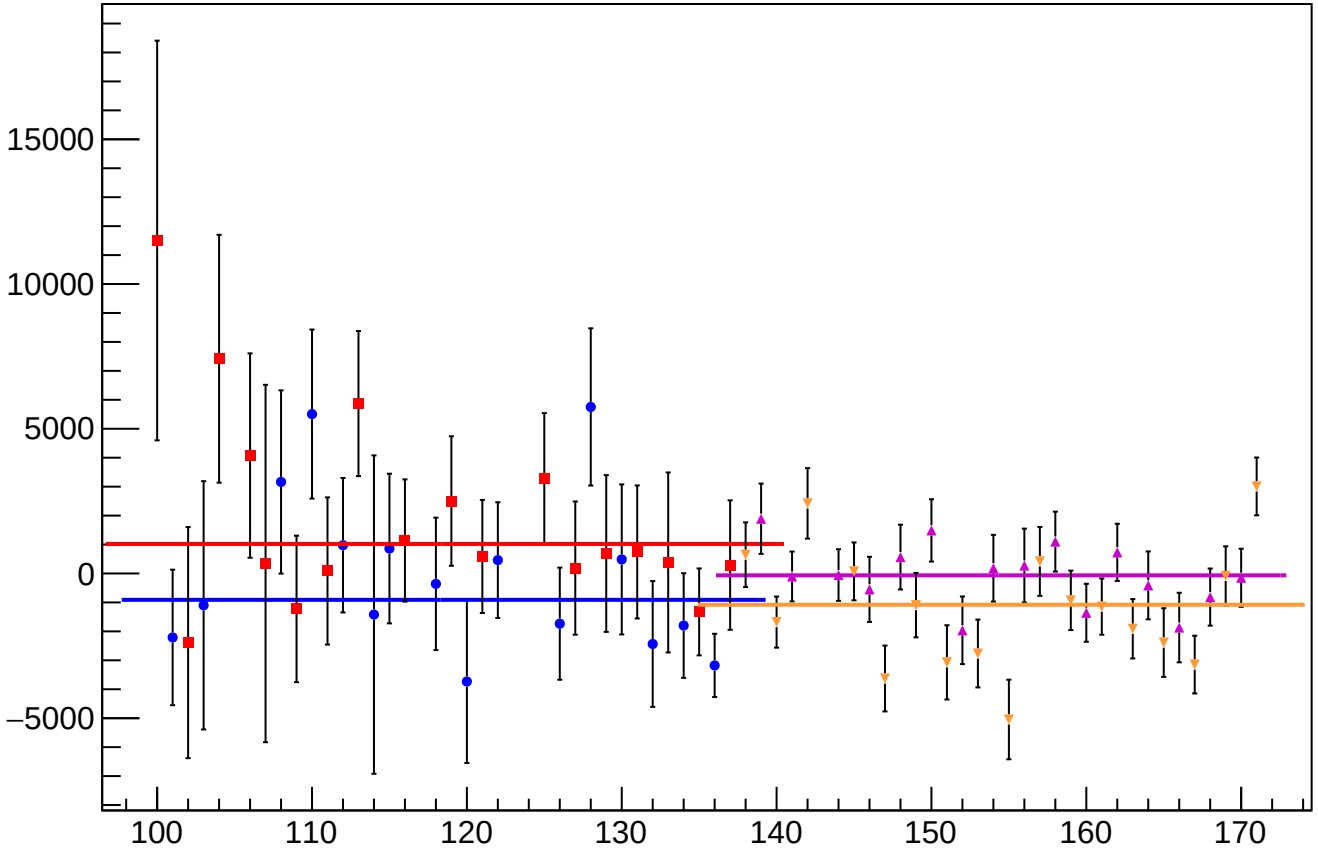
In: -25.029+/-396.132 χ^2/NDF:38.3/31

Out: 450.079+/-394.342 χ^2/NDF:28.5/34

All: 213.601+/-279.473 χ^2/NDF: 67.5/66


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.440+/-0.502 χ²/NDF: 674989.6/15
Left Out: 1732.855+/-0.334 χ²/NDF:718.9/16
Right Out: 1898.603+/-0.506 χ²/NDF: 269109.9/17
Left In: 1735.667+/-0.338 χ²/NDF:1977.8/15
Left: 1734.247+/-0.237 χ²/NDF: 2731.8/32
Right: 1881.894+/-0.356 χ²/NDF: 946264.6/33
In: 1776.067+/-0.280 χ²/NDF:722986.3/31
Out: 1783.210+/-0.279 χ²/NDF:344561.3/34
All: 1779.655+/-0.198 χ²/NDF: 1067874.3/66

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: -64.326+/-265.153 χ^2/NDF:14.4/15

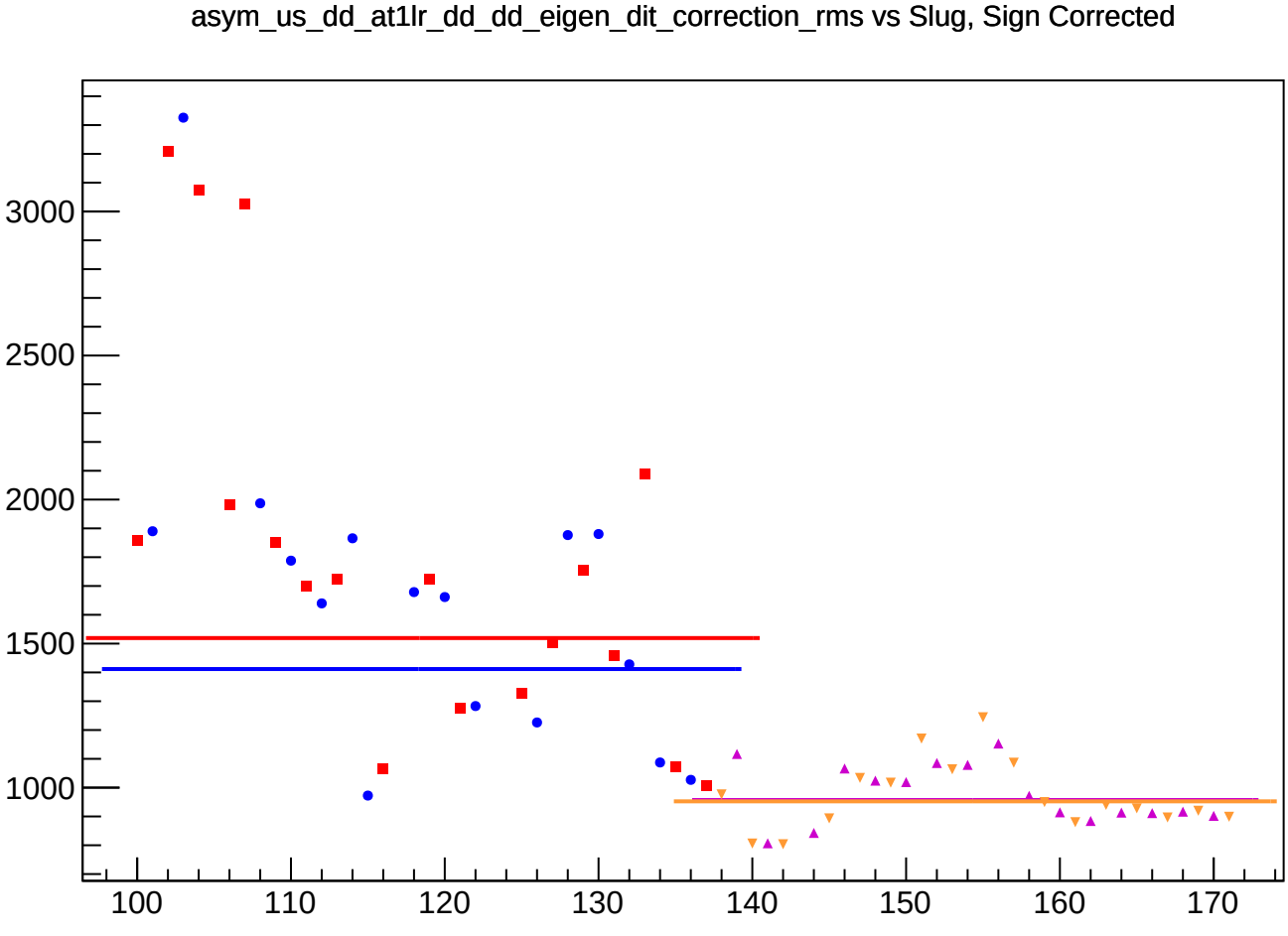
Left: -578.386+/-186.437 χ^2/NDF: 77.6/32

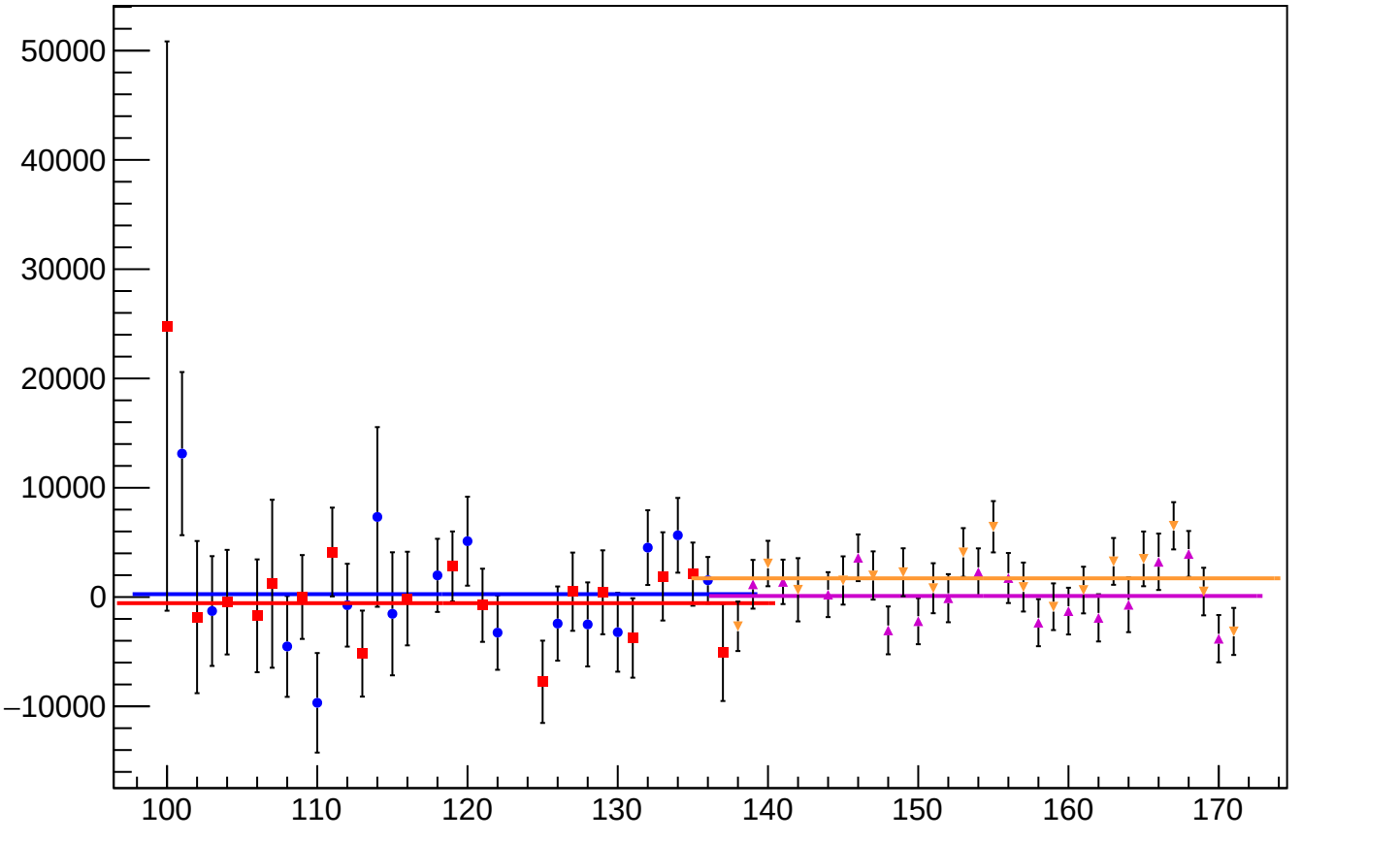
Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: -223.595+/-238.914 χ^2/NDF:37.4/31

Out: -736.081+/-239.708 χ^2/NDF:81.2/34

All: -478.988+/-169.218 χ^2/NDF: 120.9/66


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: 957.051+/-0.187 χ²/NDF:284601.8/15
Left: 954.714+/-0.132 χ²/NDF: 612593.7/32
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1042.589+/-0.169 χ²/NDF:2568757.1/31
Out: 1045.496+/-0.169 χ²/NDF:3222673.1/34
All: 1044.038+/-0.120 χ²/NDF: 5791577.7/66



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: 97.864+/-547.469 χ^2/NDF:18.8/15

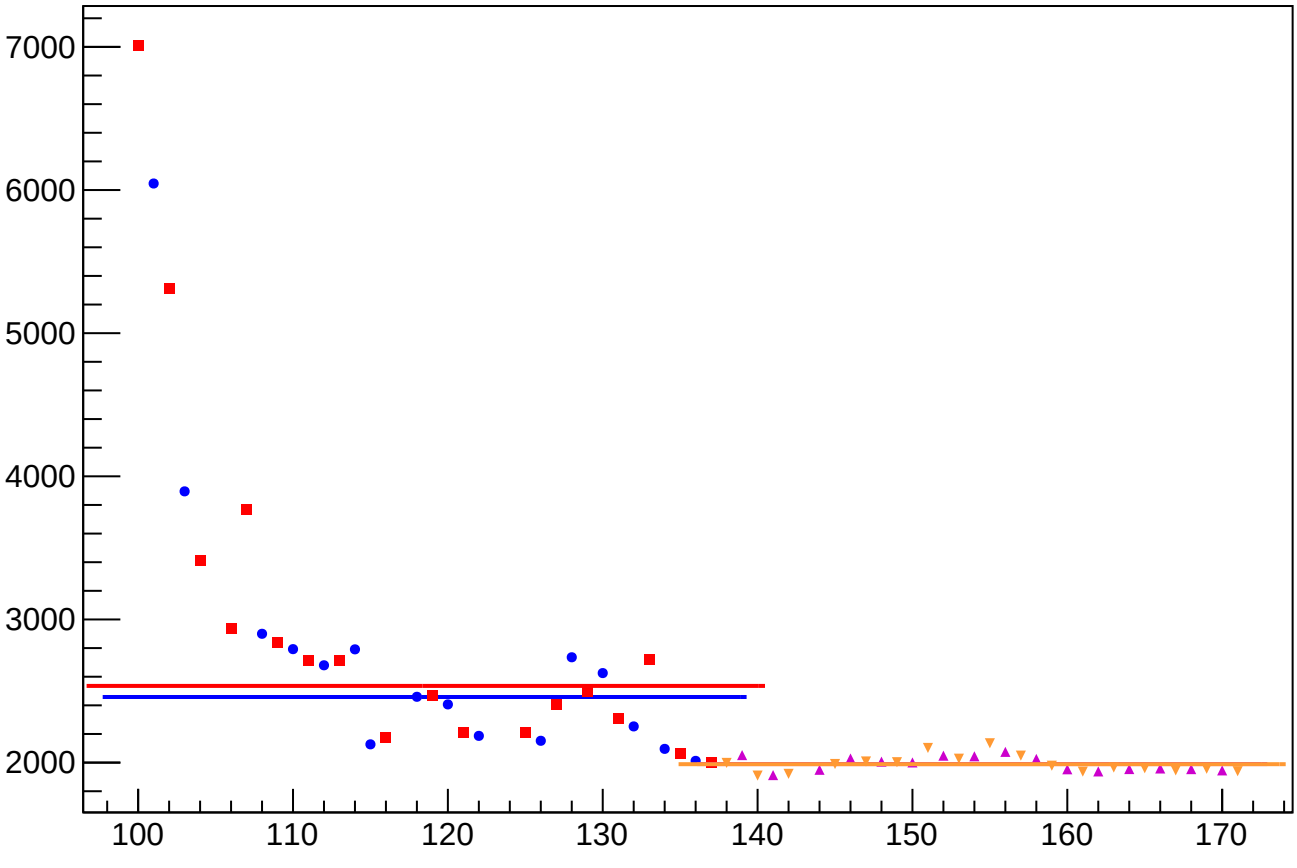
Left: 912.160+/-385.447 χ^2/NDF: 46.2/32

Right: -139.208+/-673.369 χ^2/NDF: 31.2/33

In: 139.909+/-473.333 χ^2/NDF:37.9/31

Out: 1164.381+/-472.832 χ^2/NDF:38.9/34

All: 652.687+/-334.520 χ^2/NDF: 79.2/66



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: 1989.885+/-0.387 χ^2/NDF:15817.0/15

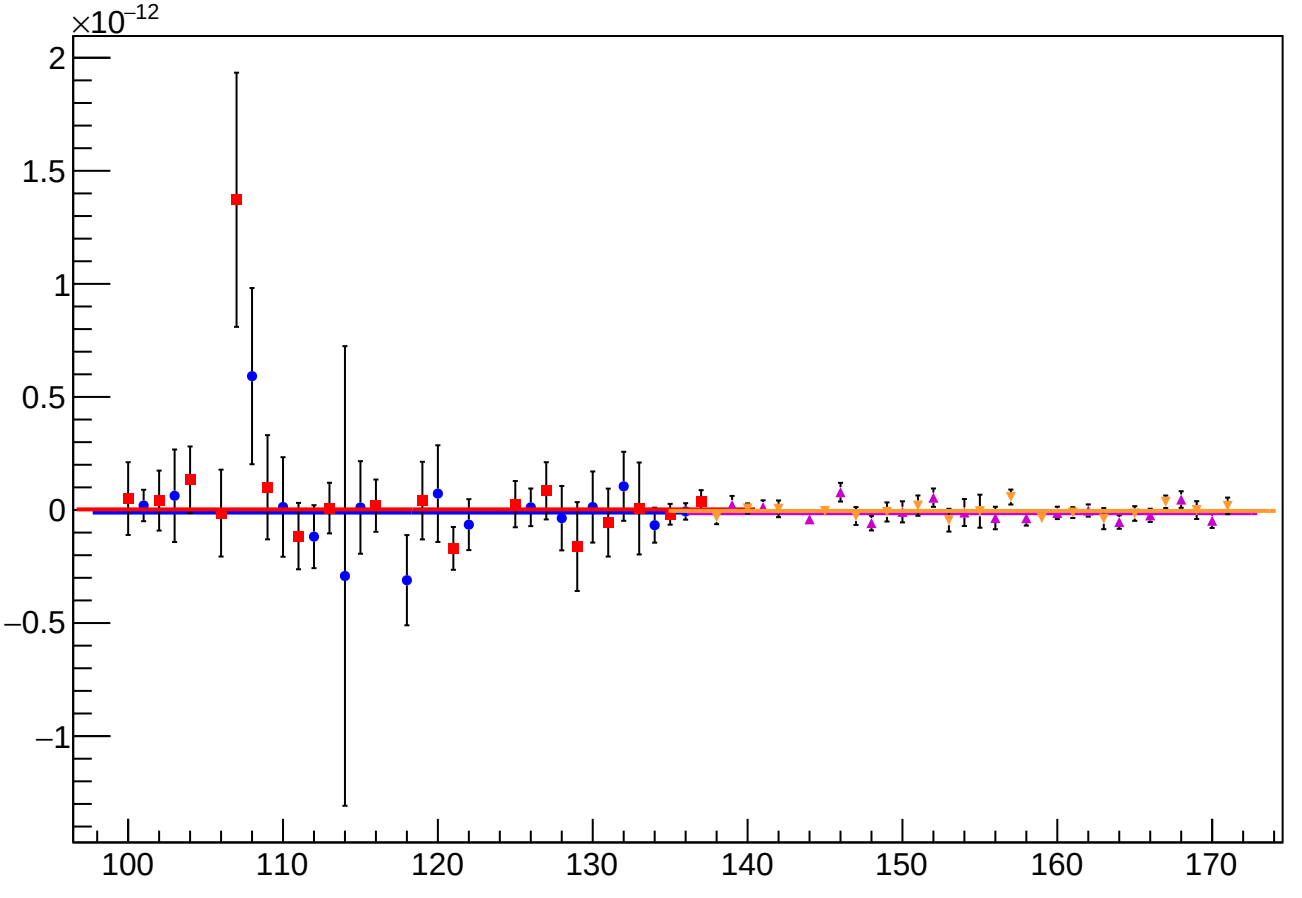
Left: 1989.401+/-0.273 χ^2/NDF: 38783.9/32

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2108.165+/-0.335 χ^2/NDF:1218434.2/31

Out: 2120.779+/-0.334 χ^2/NDF:1185805.8/34

All: 2114.478+/-0.237 χ^2/NDF: 2404950.9/66



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:19.5/15

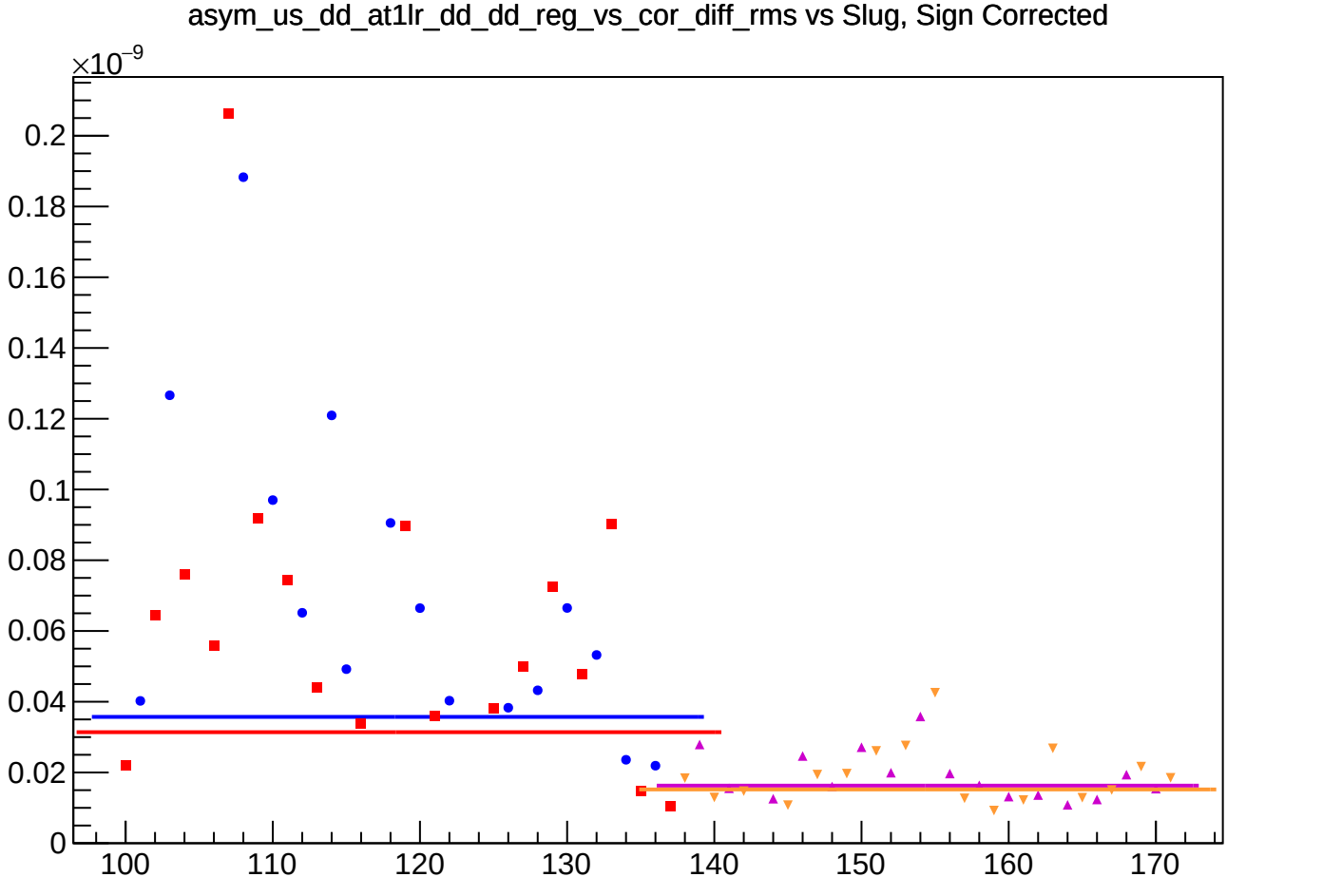
Left: -0.000+/-0.000 χ^2/NDF: 31.3/32

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:26.8/31

Out: -0.000+/-0.000 χ^2/NDF:24.3/34

All: -0.000+/-0.000 χ^2/NDF: 52.1/66



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:826408.0/15

Left: 0.000+/-0.000 χ^2/NDF: 1921516.4/32

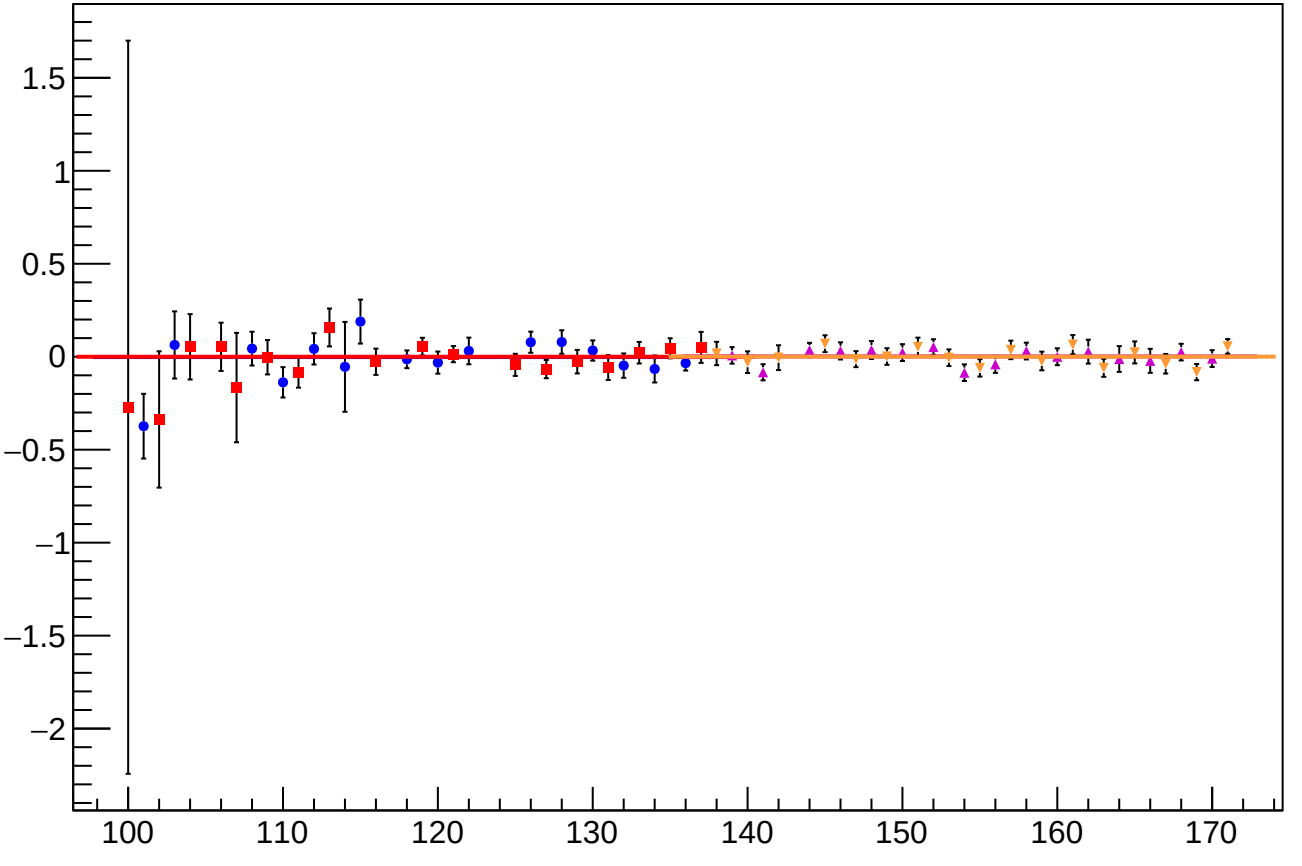
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3576109.4/31

Out: 0.000+/-0.000 χ^2/NDF:3947056.2/34

All: 0.000+/-0.000 χ^2/NDF: 7564775.2/66

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: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: 0.001+/-0.008 χ^2/NDF: 28.7/32

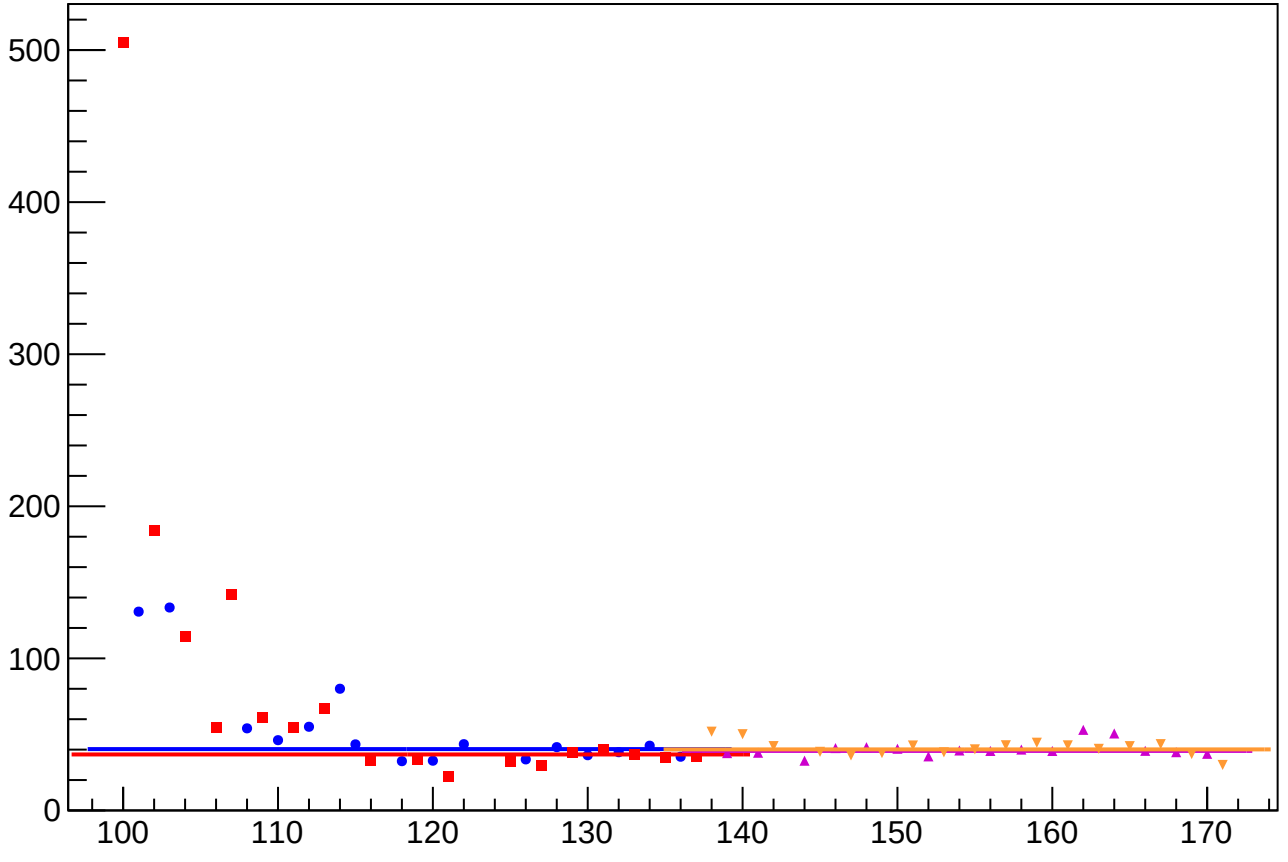
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.000+/-0.007 χ^2/NDF: 56.8/66

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: 39.153+/-0.008 χ^2/NDF:235987.4/15

Left: 39.645+/-0.006 χ^2/NDF: 588633.6/32

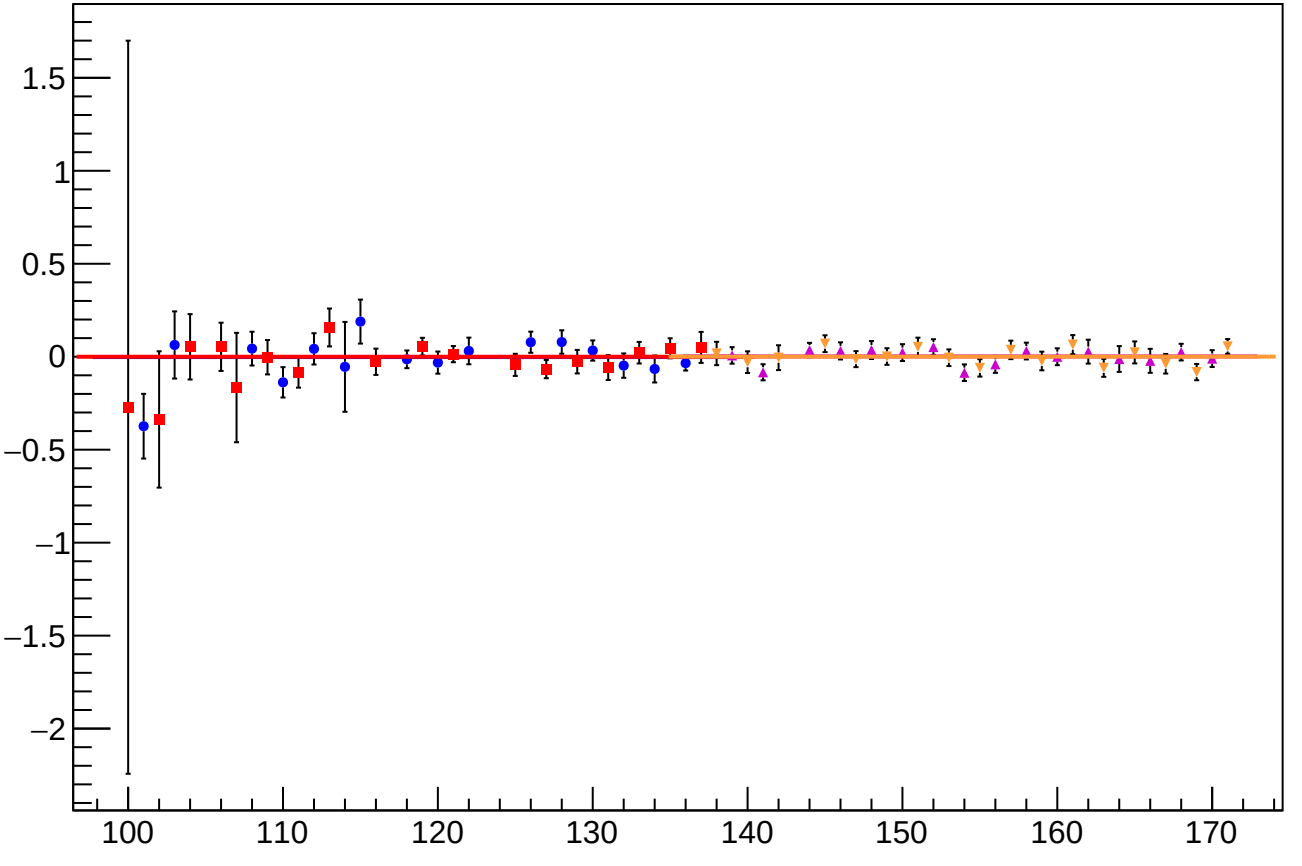
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.537+/-0.007 χ^2/NDF:1652817.8/31

Out: 39.029+/-0.007 χ^2/NDF:2235423.3/34

All: 39.283+/-0.005 χ^2/NDF: 3890995.9/66

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: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: 0.001+/-0.008 χ^2/NDF: 28.7/32

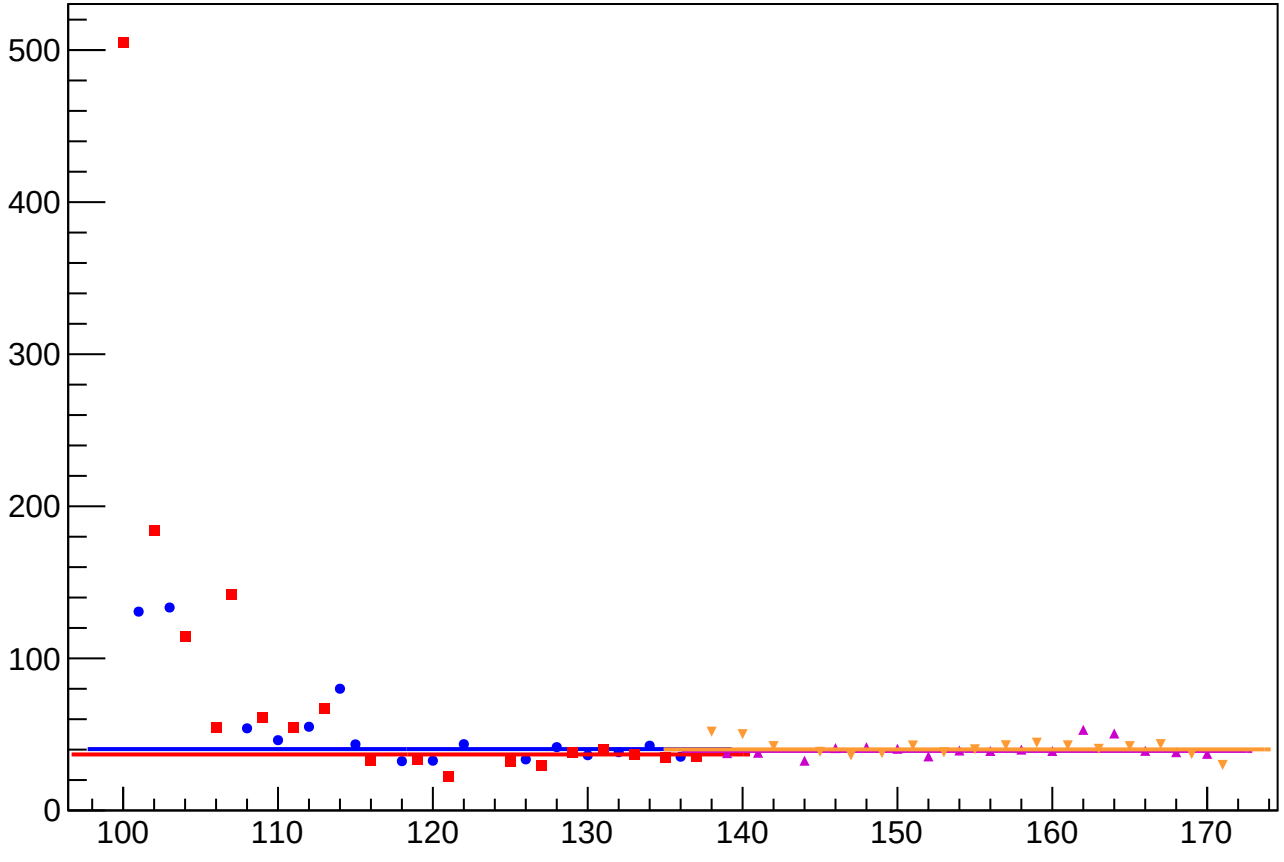
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.000+/-0.007 χ^2/NDF: 56.8/66

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: 39.153+/-0.008 χ^2/NDF:235987.4/15

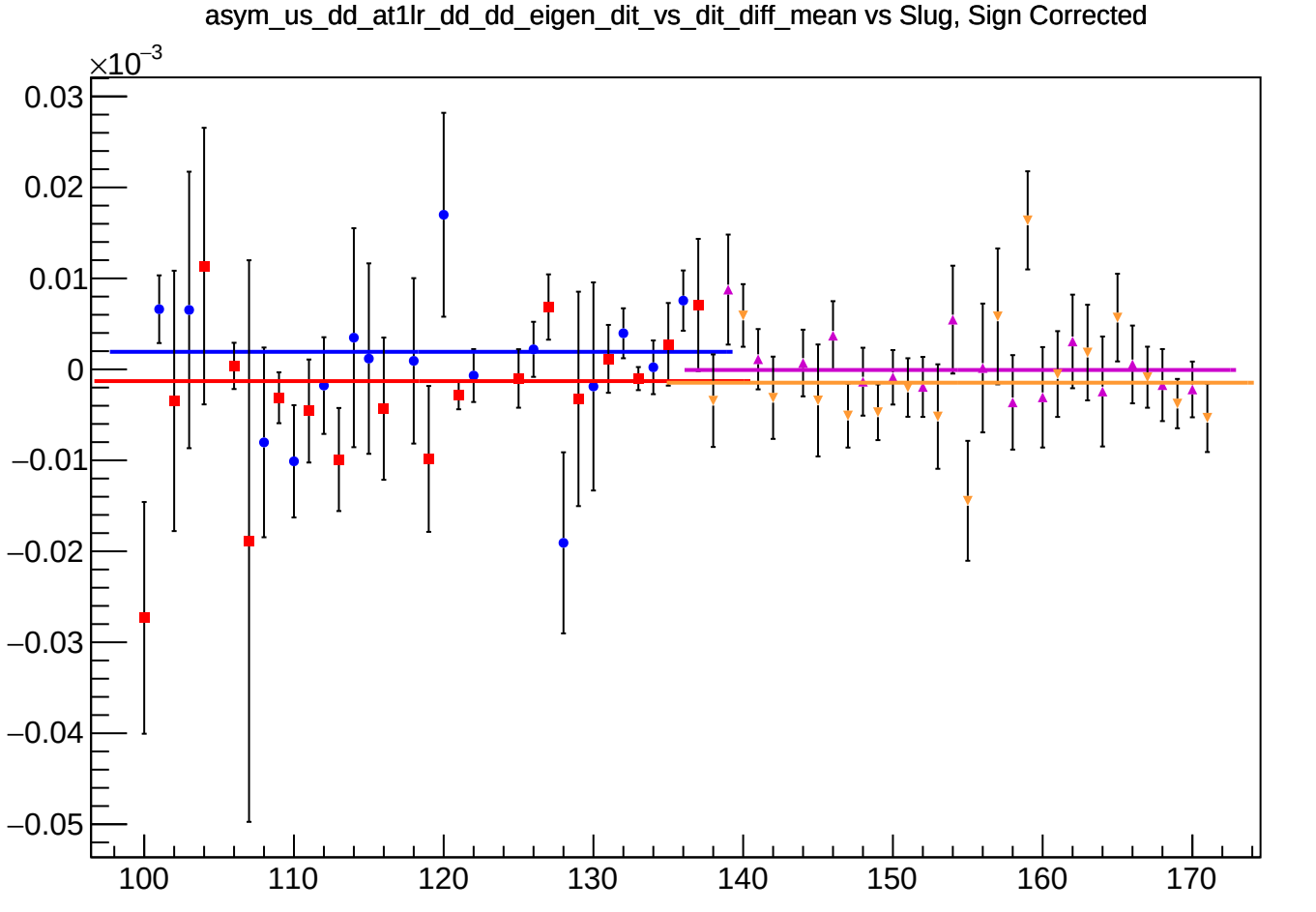
Left: 39.645+/-0.006 χ^2/NDF: 588633.6/32

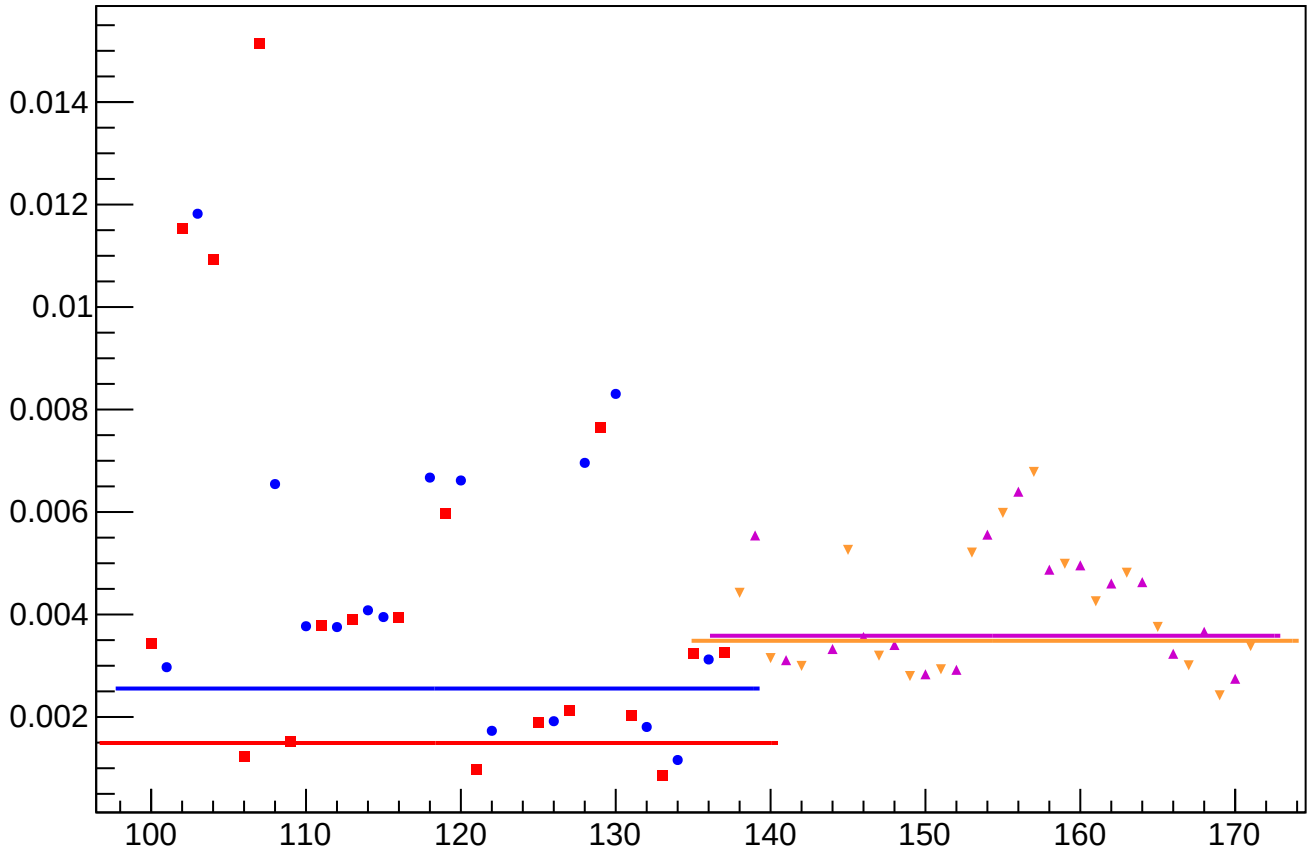
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.537+/-0.007 χ^2/NDF:1652817.8/31

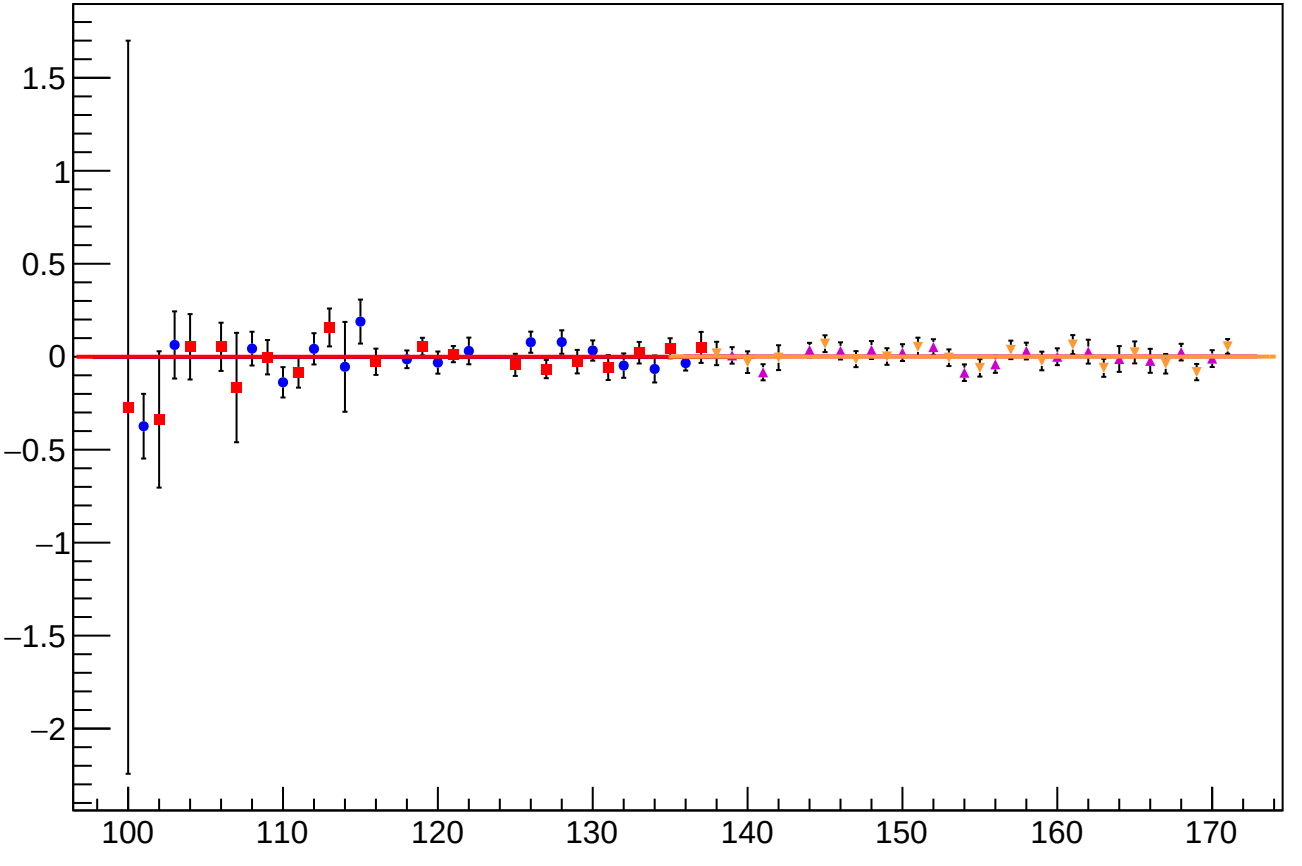
Out: 39.029+/-0.007 χ^2/NDF:2235423.3/34

All: 39.283+/-0.005 χ^2/NDF: 3890995.9/66


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.9/15
Left Out: -0.000+/-0.000 χ²/NDF:27.8/16
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: -0.000+/-0.000 χ²/NDF:6.7/15
Left: -0.000+/-0.000 χ²/NDF: 35.4/32
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:26.2/31
Out: -0.000+/-0.000 χ²/NDF:46.7/34
All: -0.000+/-0.000 χ²/NDF: 78.0/66


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 3782362.0/15
Left Out: 0.003+/-0.000 χ²/NDF:2000065.8/16
Right Out: 0.001+/-0.000 χ²/NDF: 5561830.1/17
Left In: 0.004+/-0.000 χ²/NDF:1560088.2/15
Left: 0.004+/-0.000 χ²/NDF: 3569615.2/32
Right: 0.002+/-0.000 χ²/NDF: 10553457.3/33
In: 0.003+/-0.000 χ²/NDF:6241664.6/31
Out: 0.002+/-0.000 χ²/NDF:12670164.6/34
All: 0.003+/-0.000 χ²/NDF: 20659626.5/66

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: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: 0.001+/-0.008 χ^2/NDF: 28.7/32

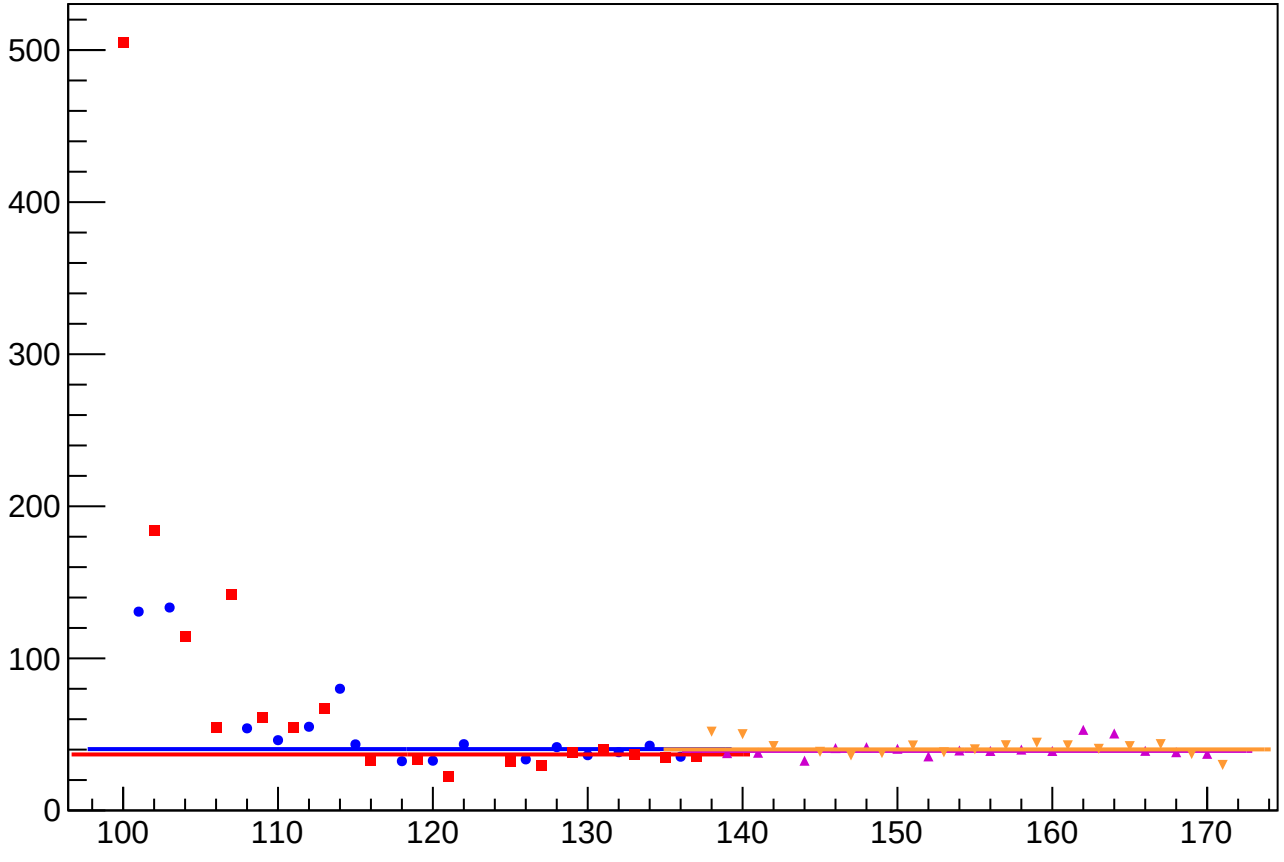
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.000+/-0.007 χ^2/NDF: 56.8/66

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: 39.153+/-0.008 χ^2/NDF:235960.3/15

Left: 39.645+/-0.006 χ^2/NDF: 588648.0/32

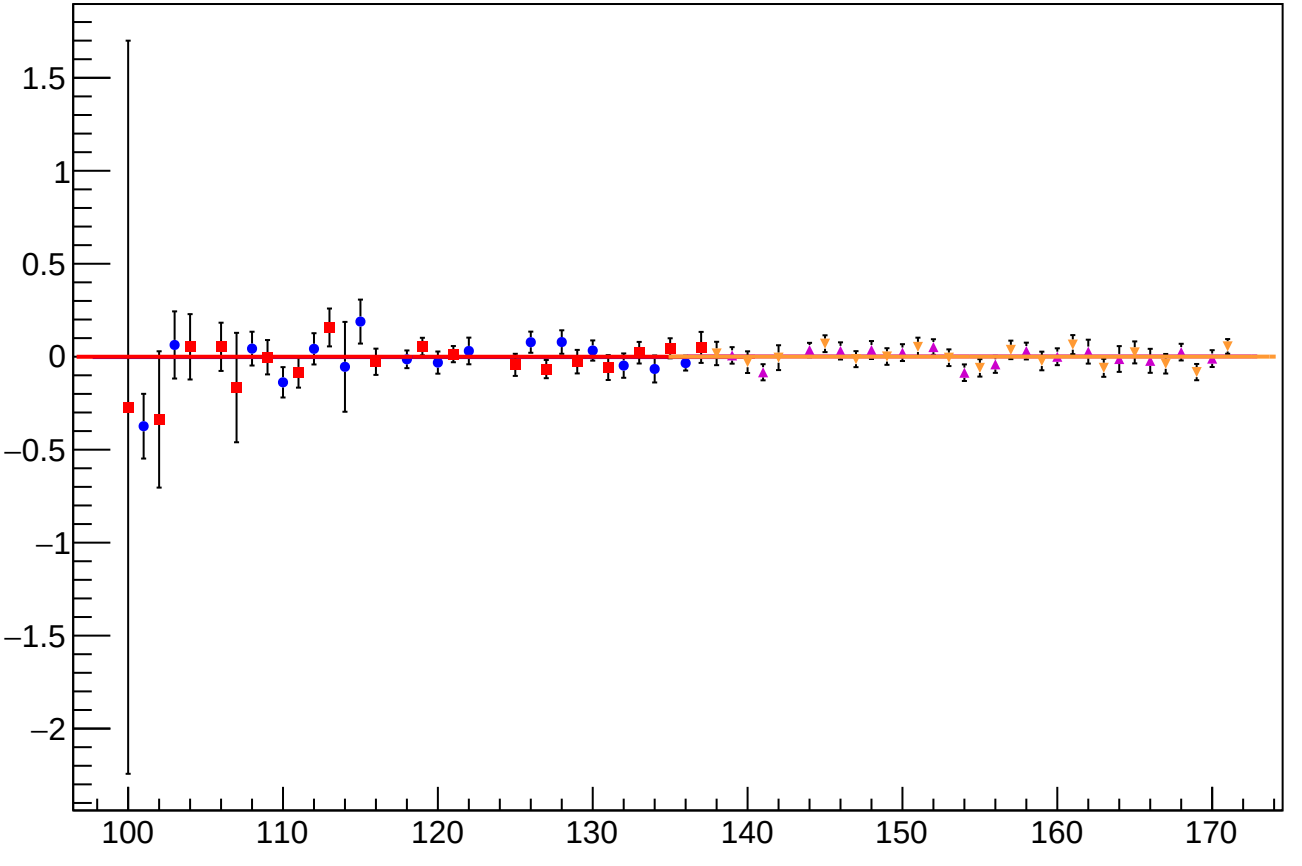
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.537+/-0.007 χ^2/NDF:1652697.5/31

Out: 39.029+/-0.007 χ^2/NDF:2235481.8/34

All: 39.283+/-0.005 χ^2/NDF: 3890940.5/66

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: 0.002+/-0.012 χ^2/NDF:13.0/15

Left: 0.001+/-0.008 χ^2/NDF: 28.7/32

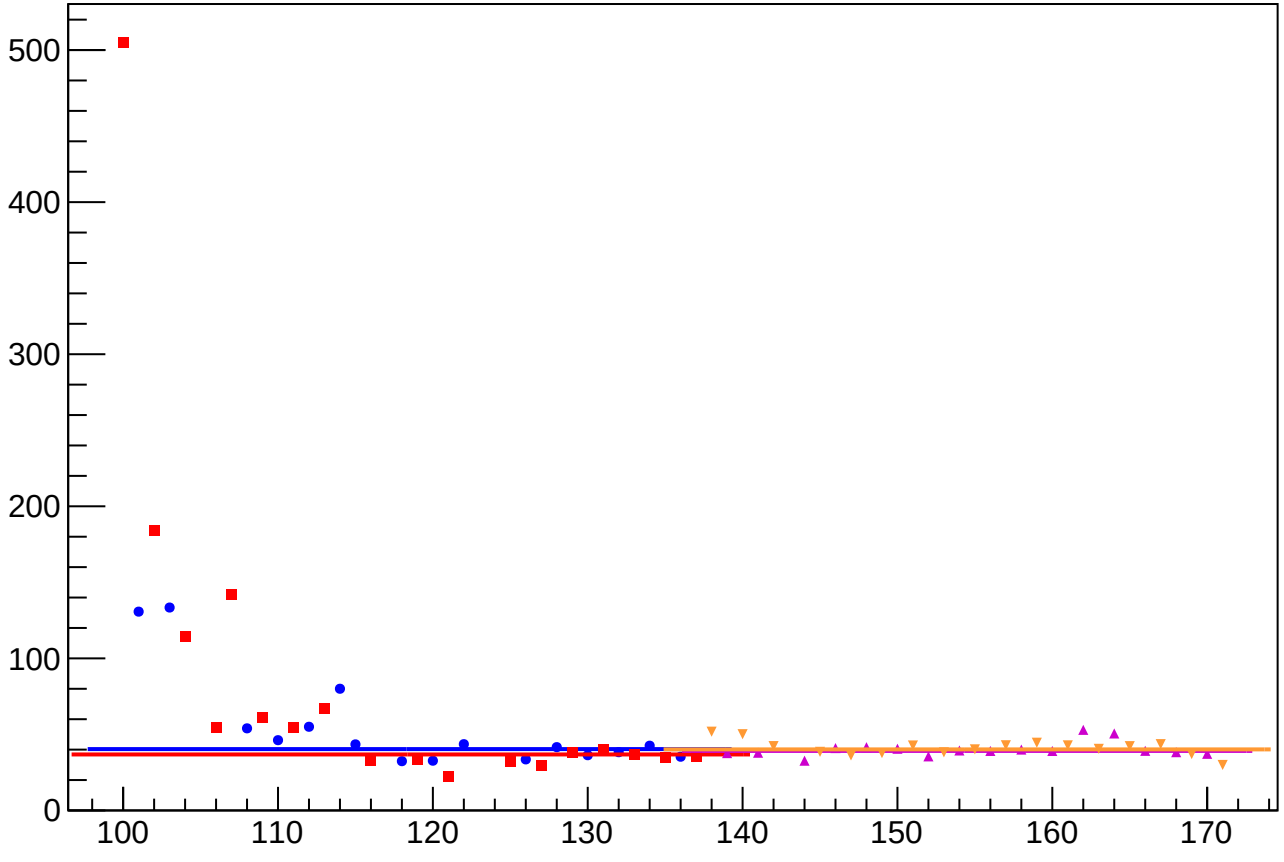
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.000+/-0.010 χ^2/NDF:30.1/31

Out: 0.000+/-0.010 χ^2/NDF:26.6/34

All: 0.000+/-0.007 χ^2/NDF: 56.8/66

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: 39.153+/-0.008 χ^2/NDF:235960.3/15

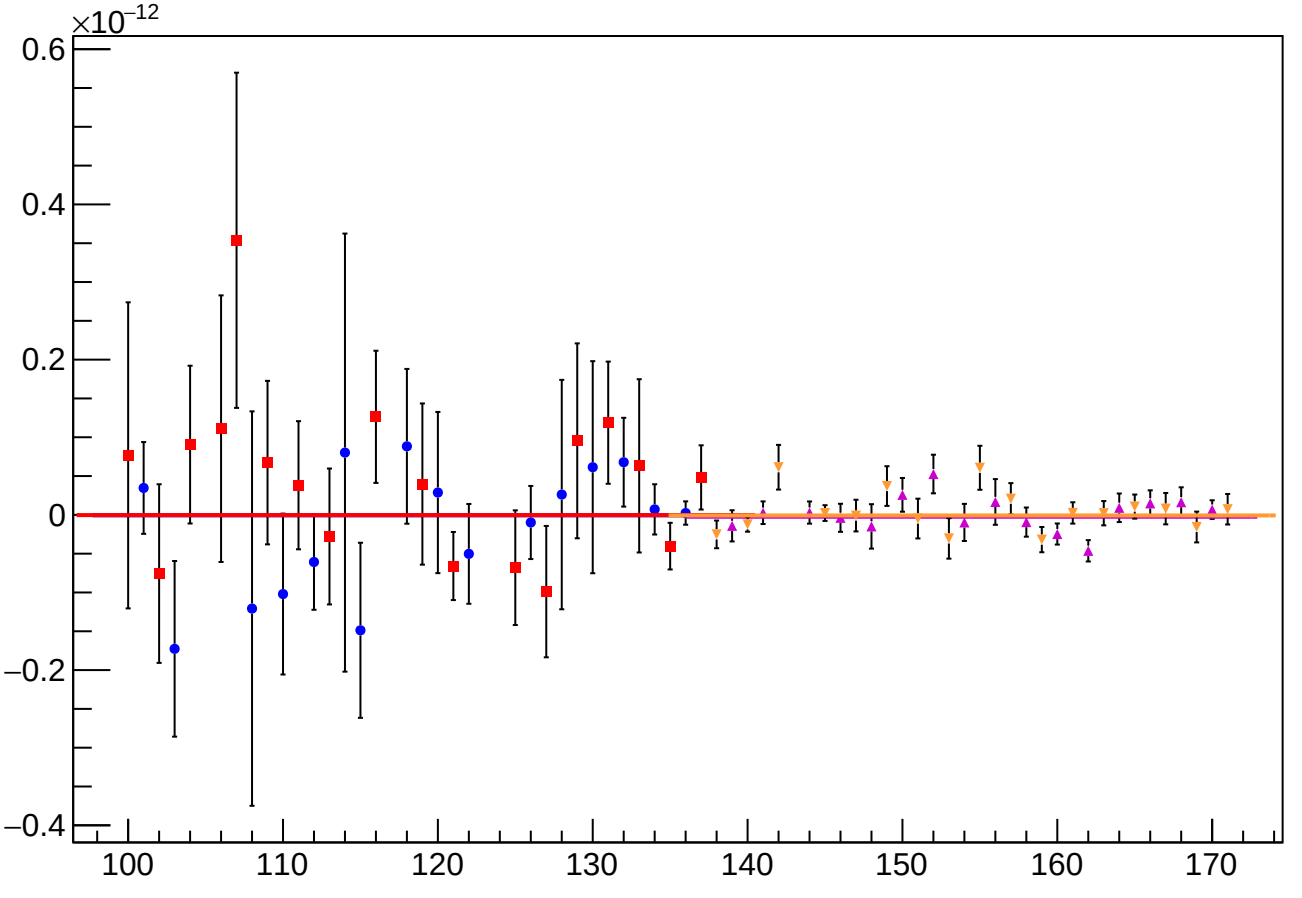
Left: 39.645+/-0.006 χ^2/NDF: 588648.0/32

Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.537+/-0.007 χ^2/NDF:1652697.5/31

Out: 39.029+/-0.007 χ^2/NDF:2235481.8/34

All: 39.283+/-0.005 χ^2/NDF: 3890940.5/66



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:23.9/15

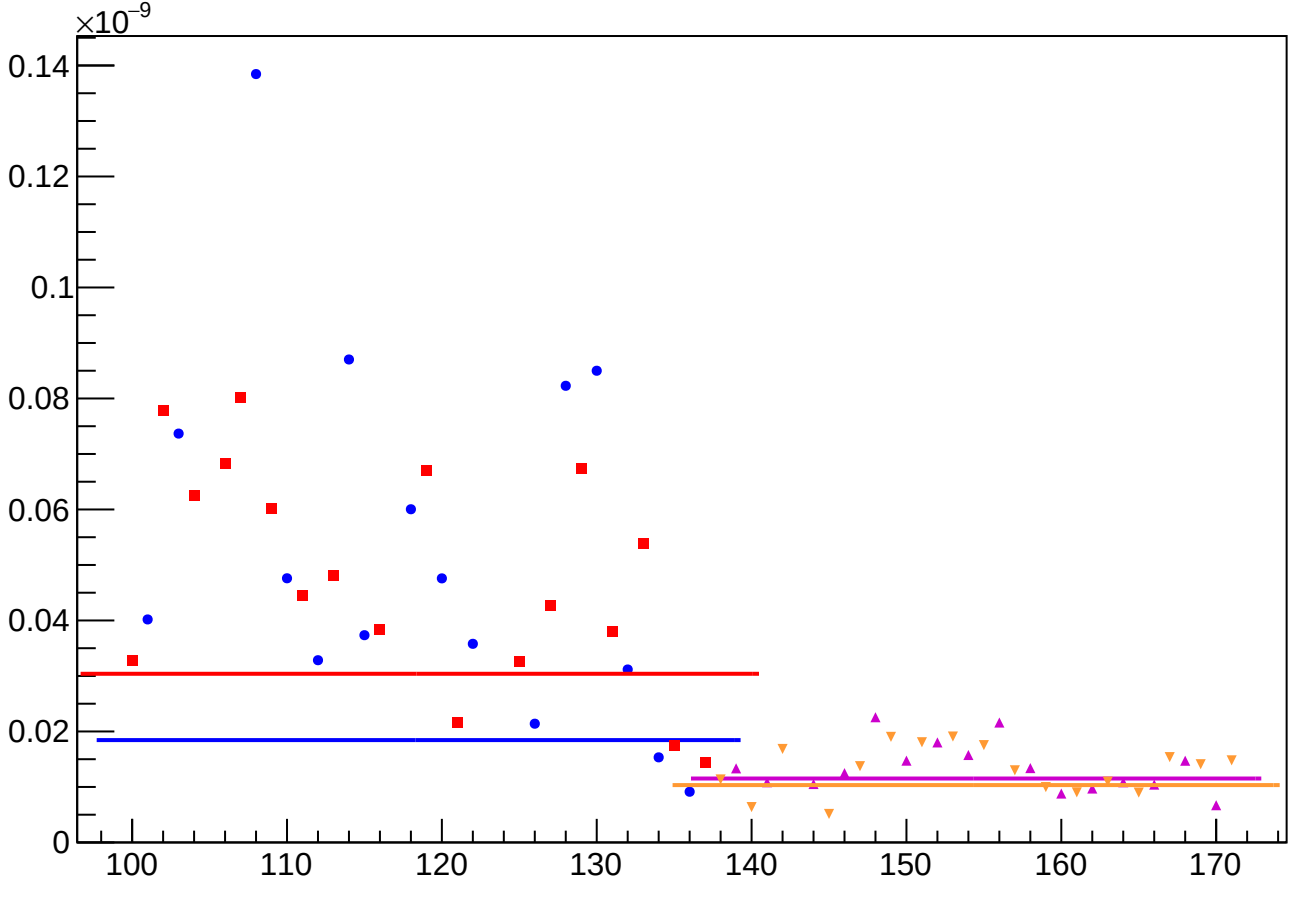
Left: -0.000+/-0.000 χ^2/NDF: 46.6/32

Right: -0.000+/-0.000 χ^2/NDF: 28.2/33

In: -0.000+/-0.000 χ^2/NDF:33.8/31

Out: -0.000+/-0.000 χ^2/NDF:41.0/34

All: -0.000+/-0.000 χ^2/NDF: 74.9/66



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:1335178.4/15

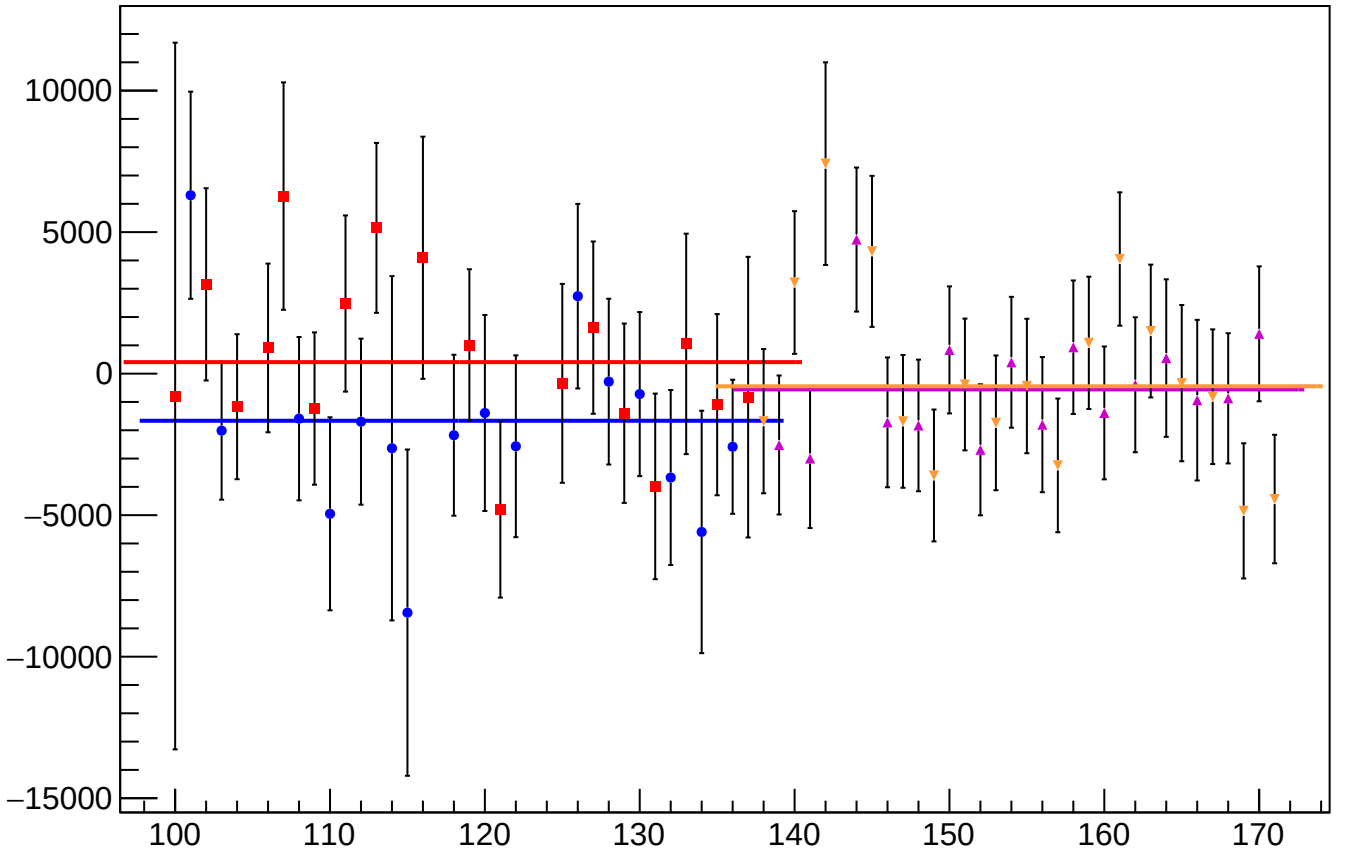
Left: 0.000+/-0.000 χ^2/NDF: 3592929.0/32

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:5986467.2/31

Out: 0.000+/-0.000 χ^2/NDF:7364389.6/34

All: 0.000+/-0.000 χ^2/NDF: 13400921.4/66



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: -557.321+/-601.454 χ^2/NDF:9.6/15

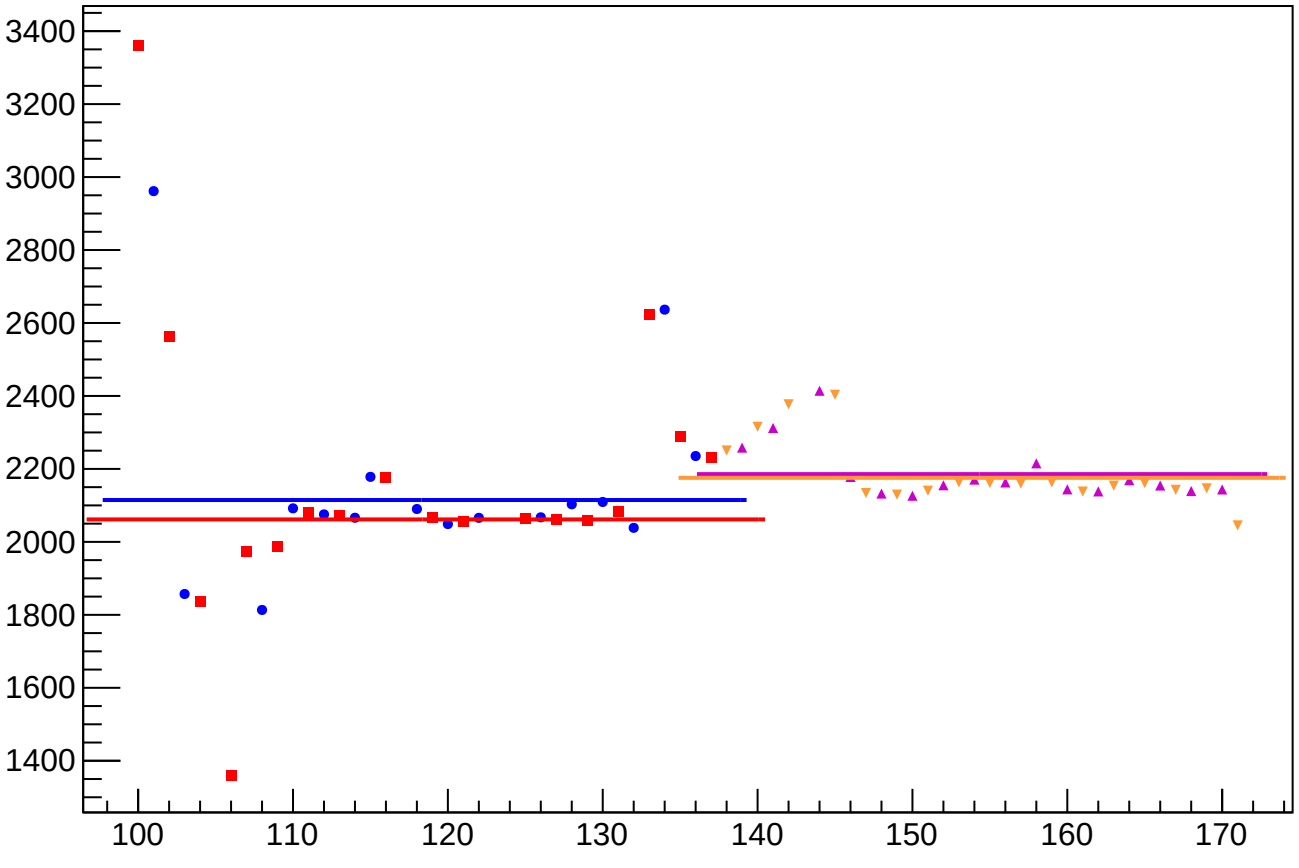
Left: -501.184+/-422.570 χ^2/NDF: 35.1/32

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -962.112+/-479.027 χ^2/NDF:21.6/31

Out: -131.910+/-471.849 χ^2/NDF:38.9/34

All: -540.744+/-336.157 χ^2/NDF: 62.1/66



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: 2185.722+/-0.425 χ^2/NDF:29756.8/15

Left: 2180.606+/-0.299 χ^2/NDF: 68980.8/32

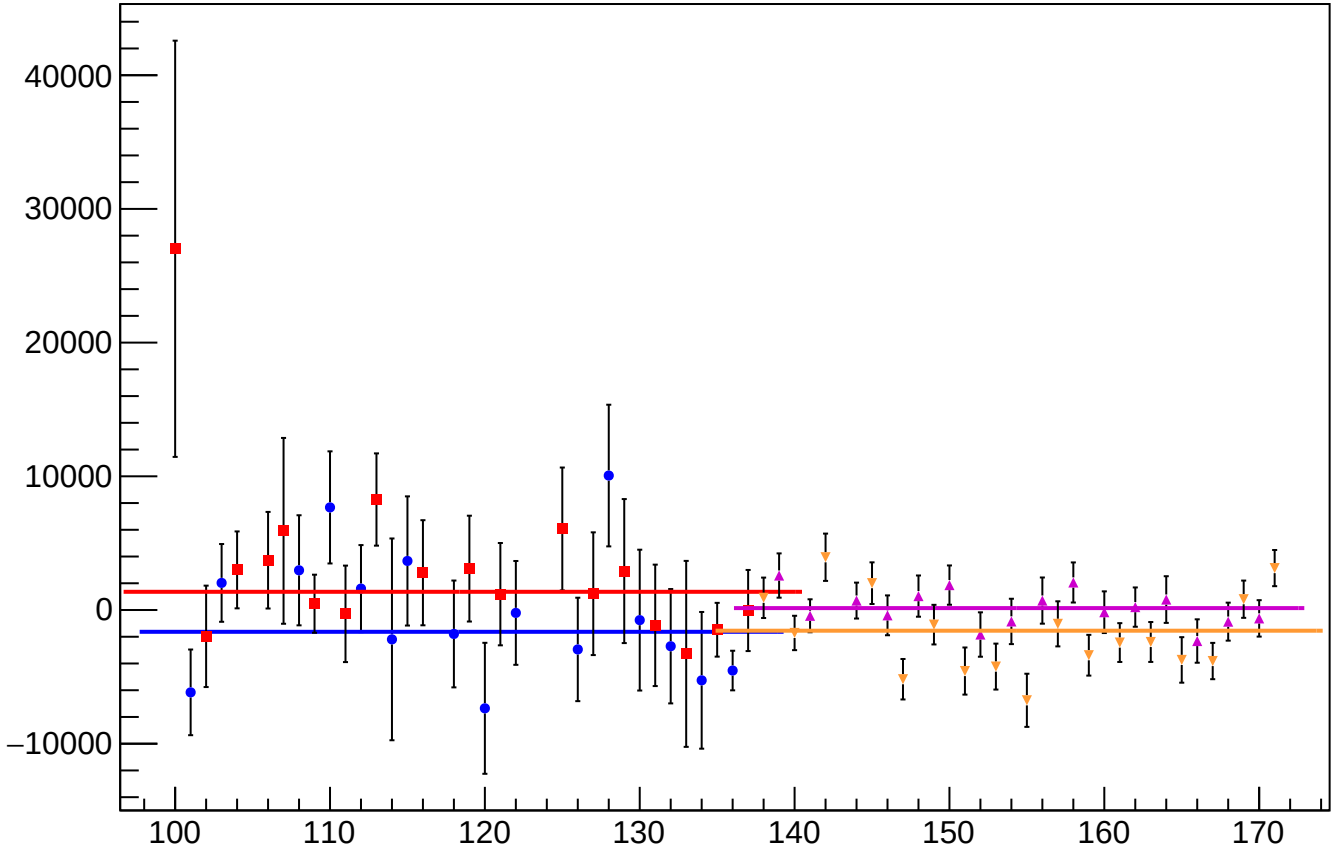
Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2159.771+/-0.339 χ^2/NDF:229859.2/31

Out: 2133.574+/-0.334 χ^2/NDF:315324.6/34

All: 2146.475+/-0.238 χ^2/NDF: 548219.8/66

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: 142.215+/-377.528 χ^2/NDF:11.2/15

Left: -715.929+/-264.885 χ^2/NDF: 78.5/32

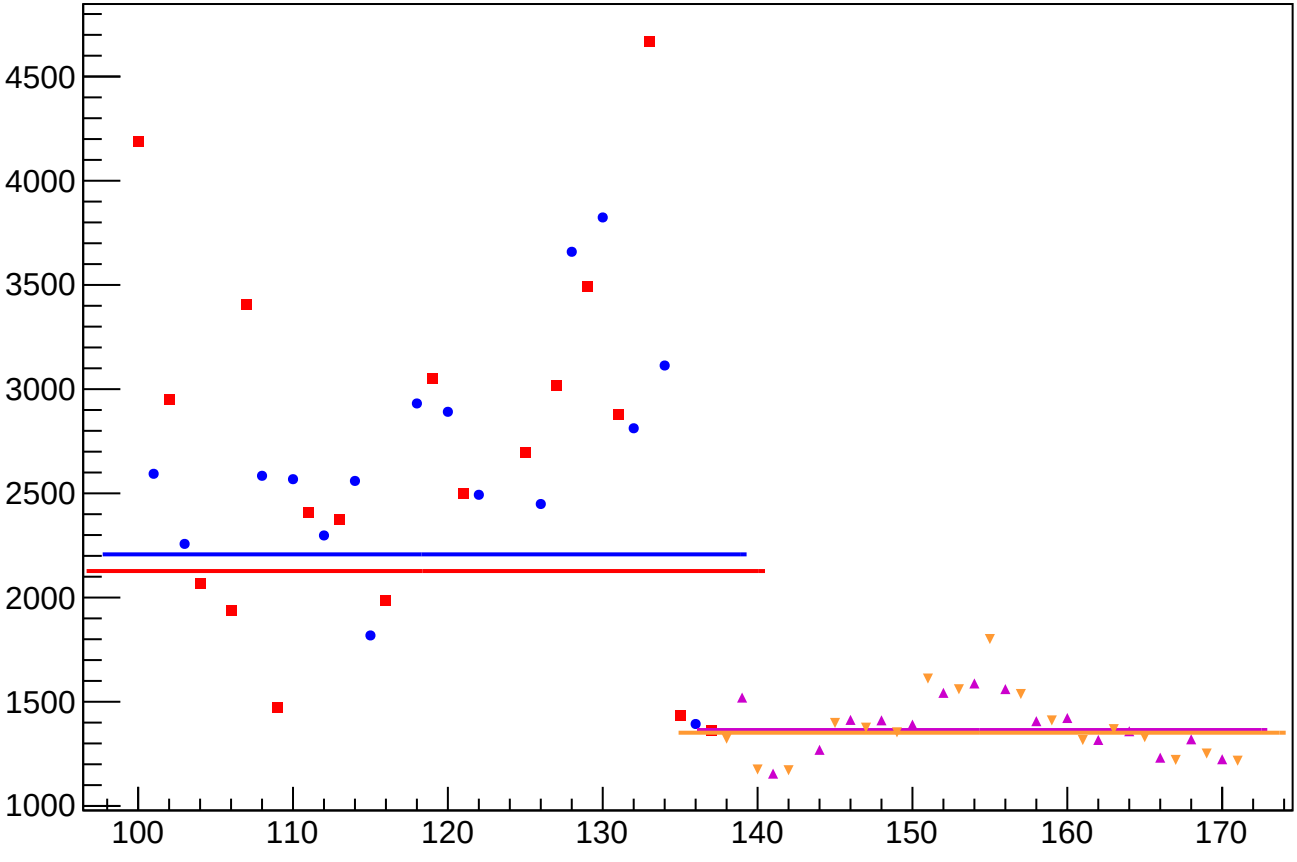
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: -142.858+/-345.843 χ^2/NDF:37.6/31

Out: -1071.819+/-339.972 χ^2/NDF:80.6/34

All: -615.289+/-242.446 χ^2/NDF: 121.9/66

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: 1364.347+/-0.267 χ^2/NDF:216462.5/15

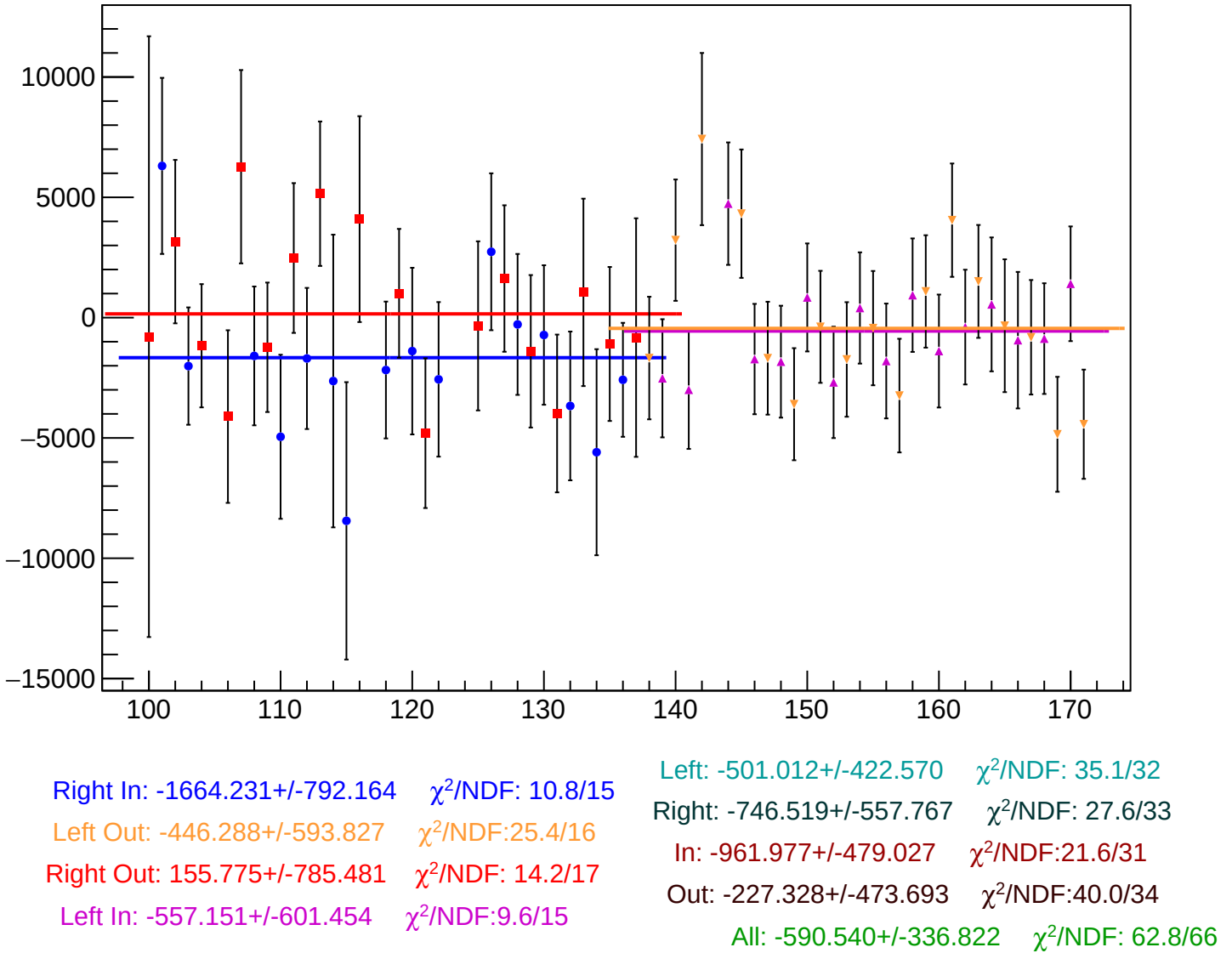
Left: 1357.810+/-0.187 χ^2/NDF: 531820.6/32

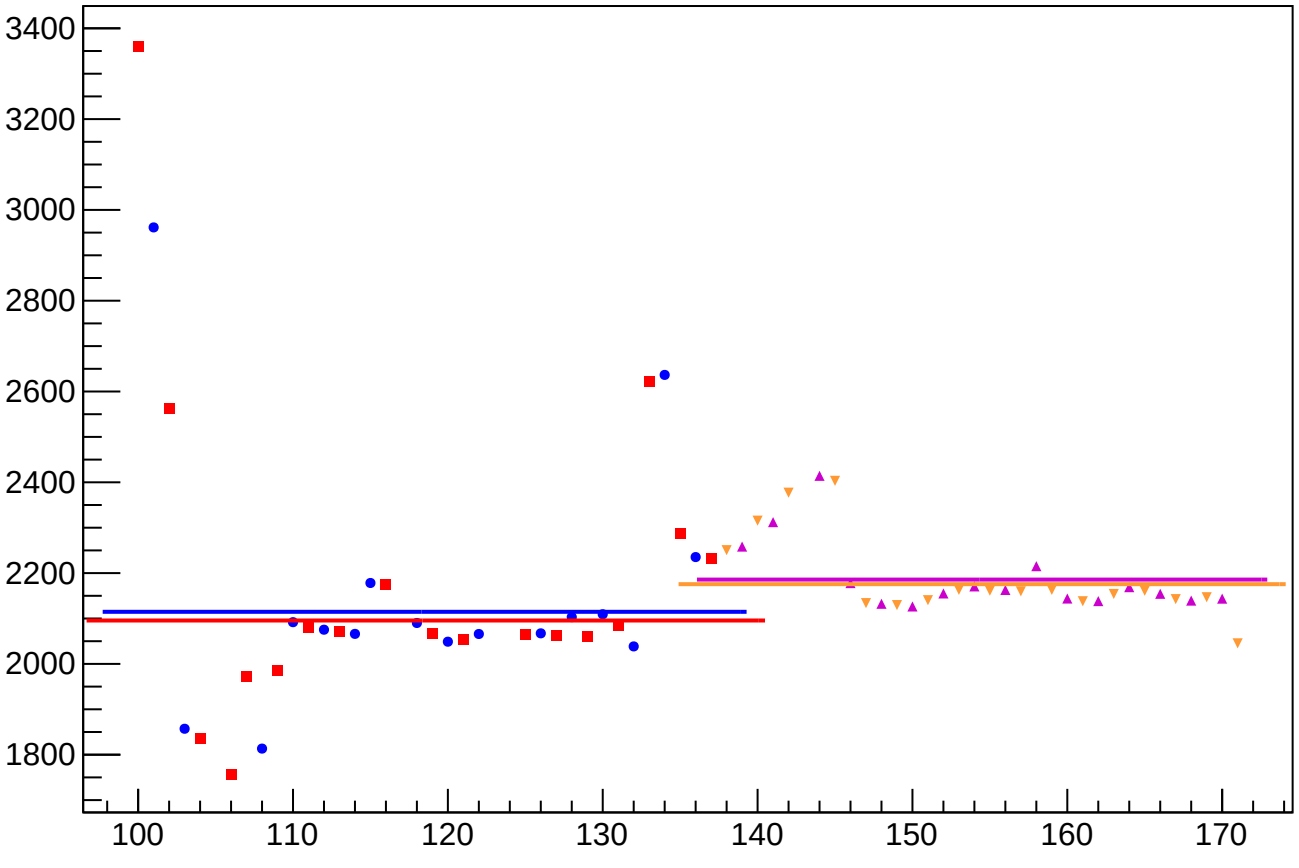
Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1499.898+/-0.245 χ^2/NDF:3069021.6/31

Out: 1478.419+/-0.240 χ^2/NDF:3197428.5/34

All: 1488.975+/-0.171 χ^2/NDF: 6270373.5/66


cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -446.288+/-593.827 χ²/NDF:25.4/16
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -557.151+/-601.454 χ²/NDF:9.6/15
Left: -501.012+/-422.570 χ²/NDF: 35.1/32
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -961.977+/-479.027 χ²/NDF:21.6/31
Out: -227.328+/-473.693 χ²/NDF:40.0/34
All: -590.540+/-336.822 χ²/NDF: 62.8/66



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: 2185.722+/-0.425 χ^2/NDF:29756.8/15

Left: 2180.606+/-0.299 χ^2/NDF: 68980.8/32

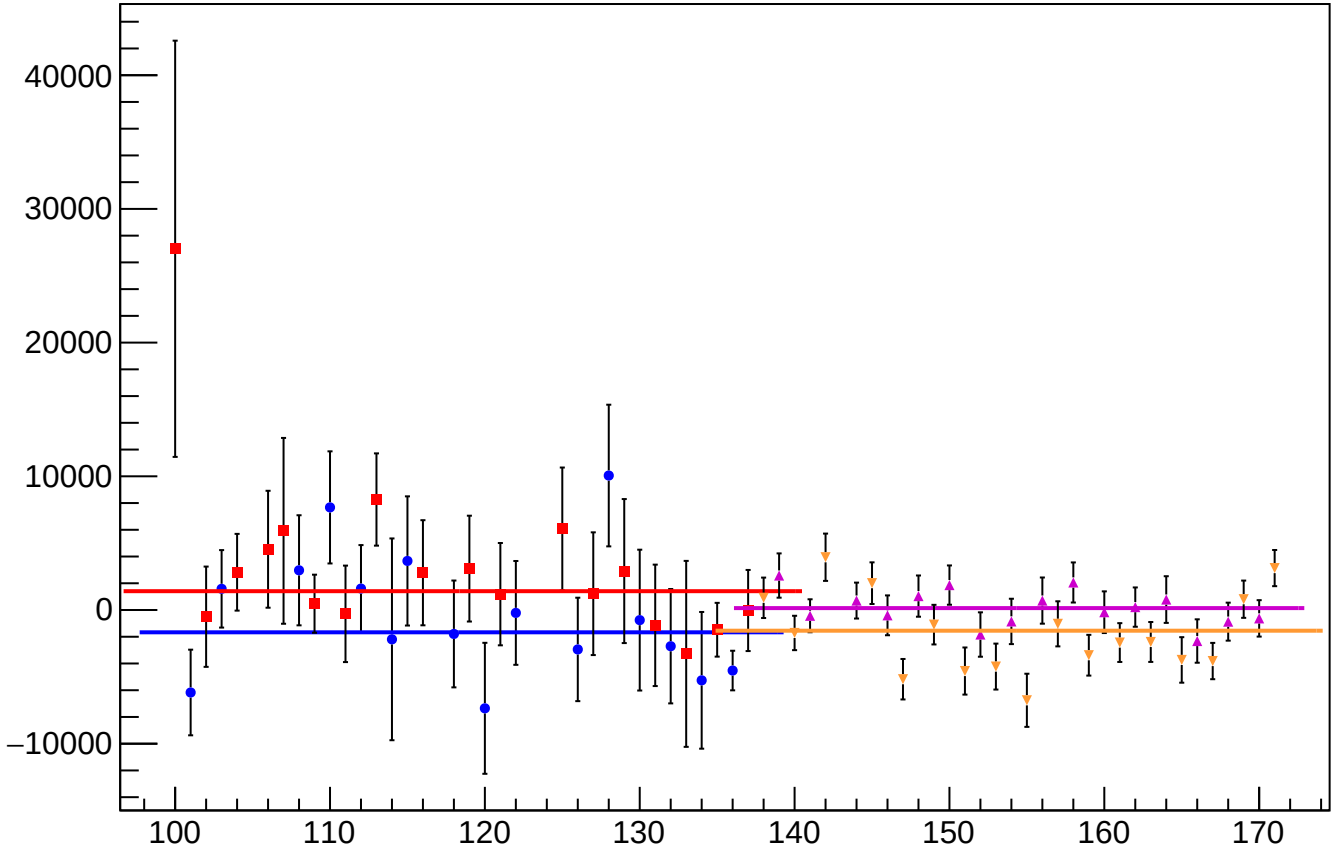
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2159.771+/-0.339 χ^2/NDF:229859.5/31

Out: 2146.517+/-0.335 χ^2/NDF:201507.5/34

All: 2153.070+/-0.238 χ^2/NDF: 432141.3/66

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: 142.104+/-377.527 χ^2/NDF:11.2/15

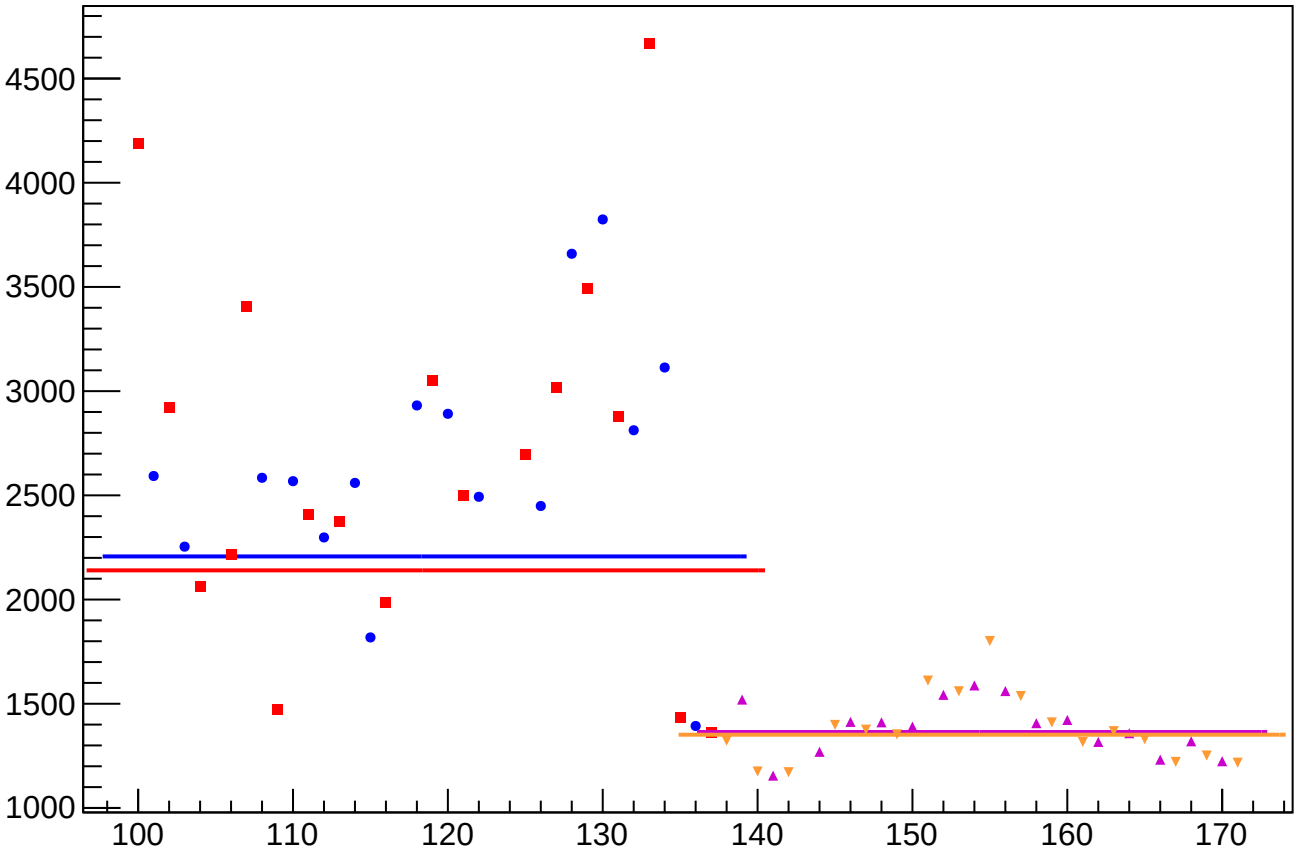
Left: -715.980+/-264.886 χ^2/NDF: 78.5/32

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -149.227+/-345.823 χ^2/NDF:37.4/31

Out: -1070.616+/-340.411 χ^2/NDF:80.3/34

All: -617.188+/-242.598 χ^2/NDF: 121.3/66



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: 1364.342+/-0.267 χ^2/NDF:216521.5/15

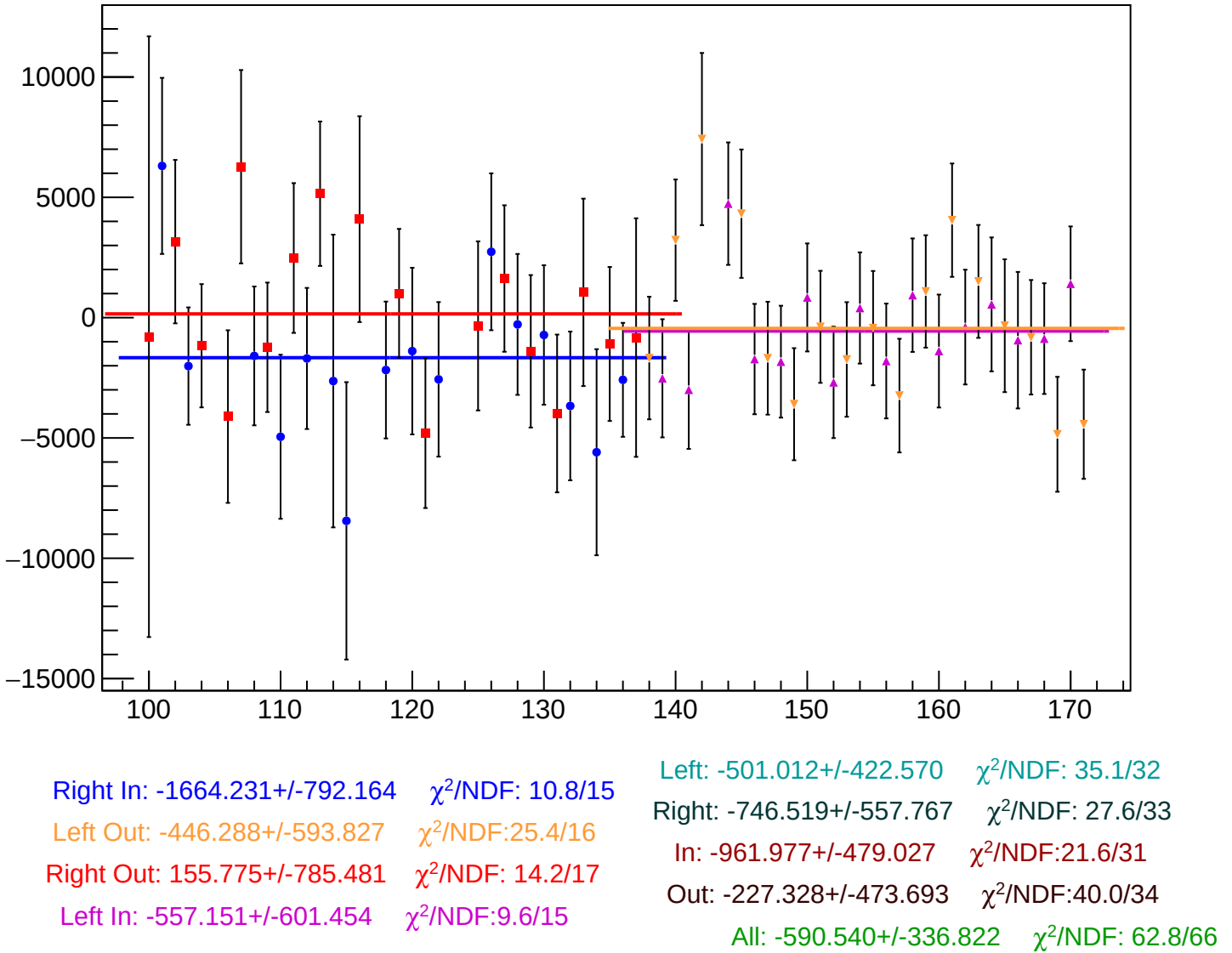
Left: 1357.814+/-0.187 χ^2/NDF: 531816.8/32

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1499.916+/-0.245 χ^2/NDF:3068489.9/31

Out: 1478.838+/-0.241 χ^2/NDF:3215878.8/34

All: 1489.211+/-0.172 χ^2/NDF: 6288142.2/66


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs Slug, Sign Corrected
10000
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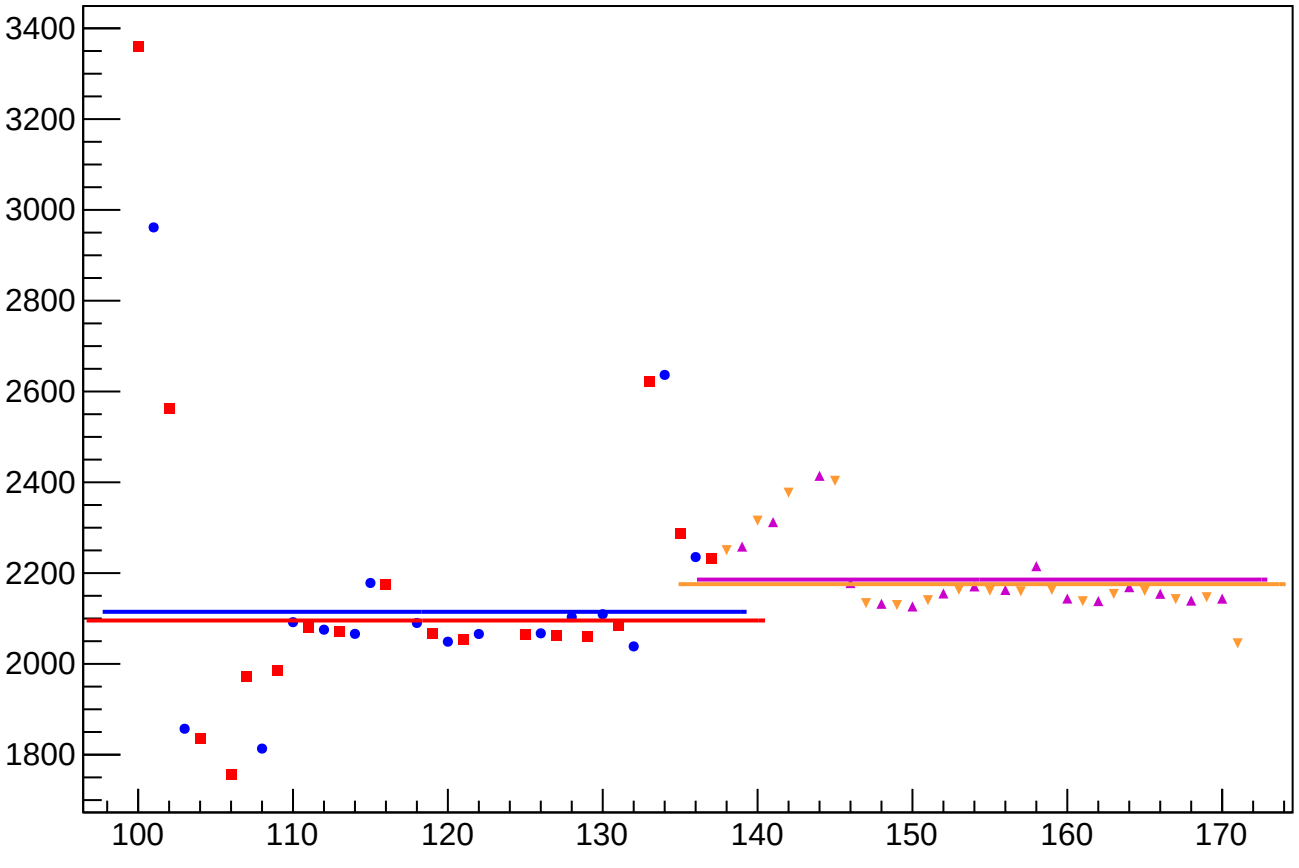
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: -1664.231+/-792.164 χ²/NDF: 10.8/15
Left Out: -446.288+/-593.827 χ²/NDF:25.4/16
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -557.151+/-601.454 χ²/NDF:9.6/15
Left: -501.012+/-422.570 χ²/NDF: 35.1/32
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -961.977+/-479.027 χ²/NDF:21.6/31
Out: -227.328+/-473.693 χ²/NDF:40.0/34
All: -590.540+/-336.822 χ²/NDF: 62.8/66



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: 2185.722+/-0.425 χ^2/NDF:29756.8/15

Left: 2180.606+/-0.299 χ^2/NDF: 68980.8/32

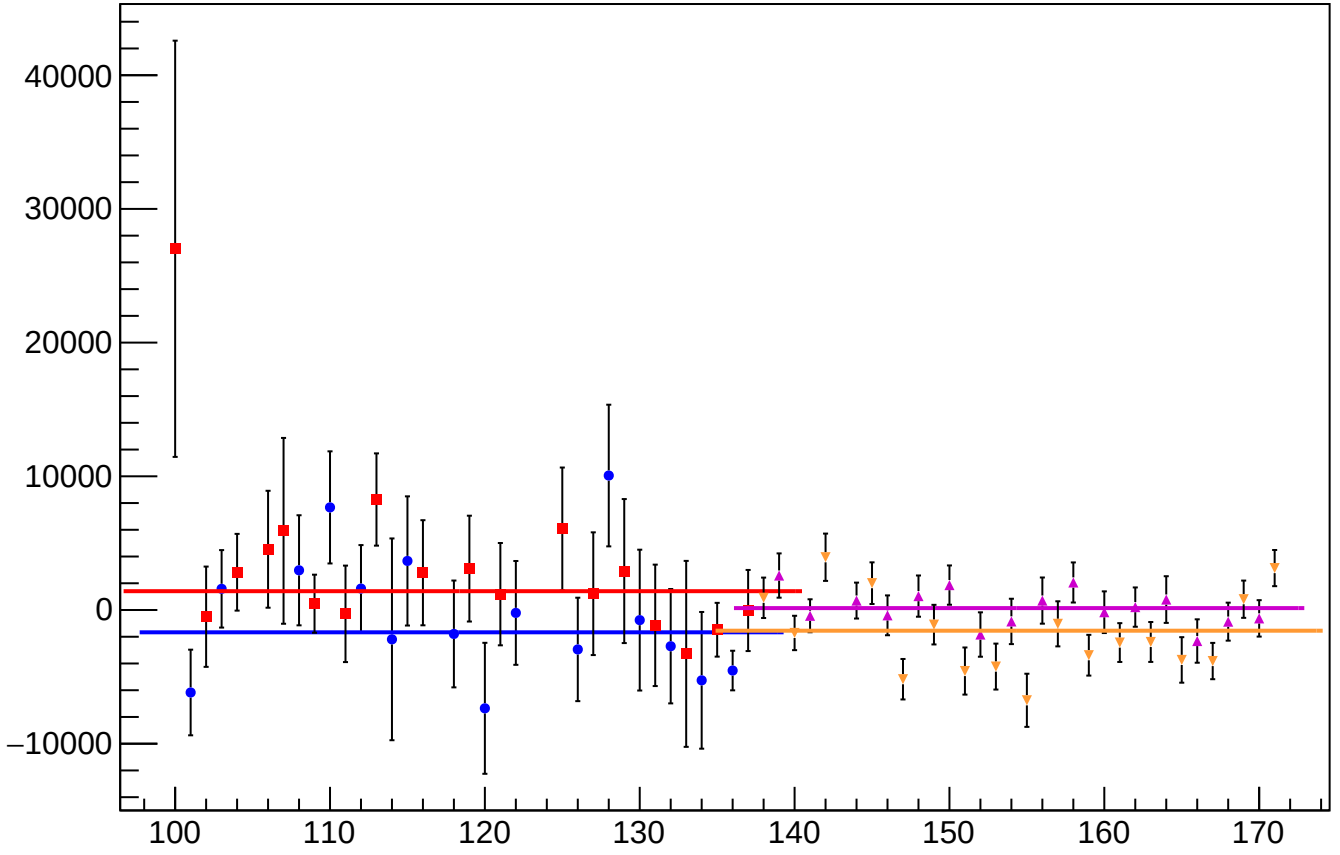
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2159.771+/-0.339 χ^2/NDF:229859.5/31

Out: 2146.517+/-0.335 χ^2/NDF:201507.5/34

All: 2153.070+/-0.238 χ^2/NDF: 432141.3/66

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: 142.104+/-377.527 χ^2/NDF:11.2/15

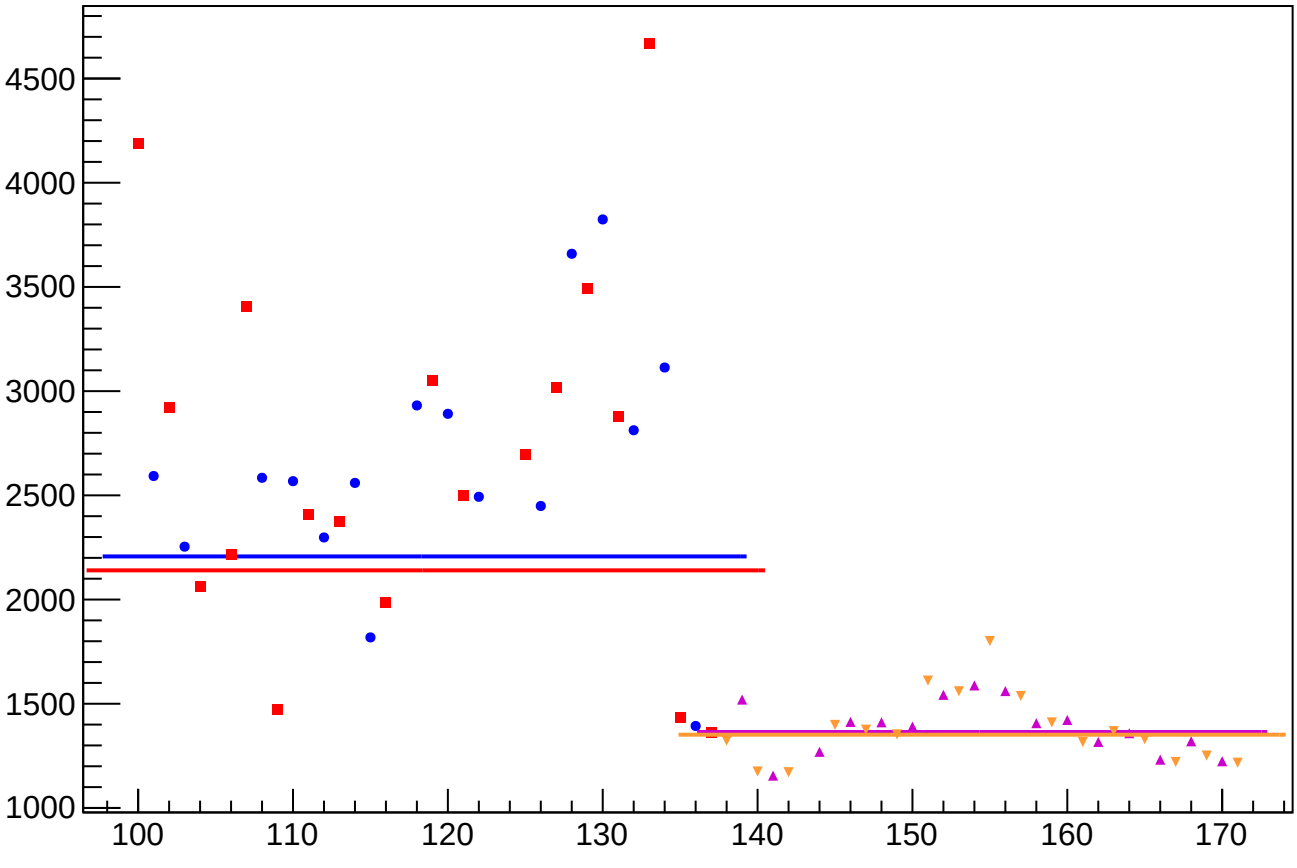
Left: -715.980+/-264.886 χ^2/NDF: 78.5/32

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: -149.227+/-345.823 χ^2/NDF:37.4/31

Out: -1070.616+/-340.411 χ^2/NDF:80.3/34

All: -617.188+/-242.598 χ^2/NDF: 121.3/66



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: 1364.342+/-0.267 χ^2/NDF:216521.5/15

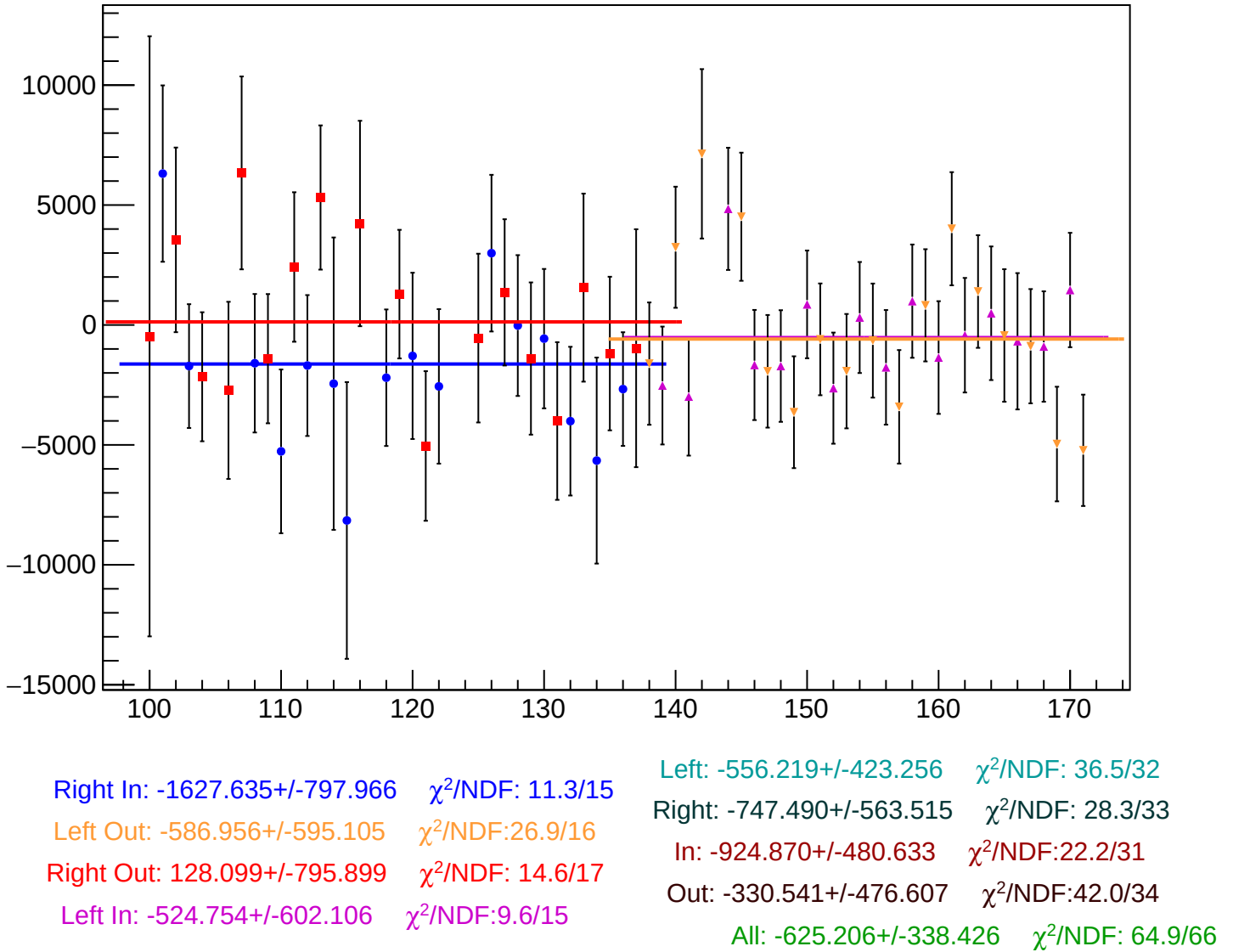
Left: 1357.814+/-0.187 χ^2/NDF: 531816.8/32

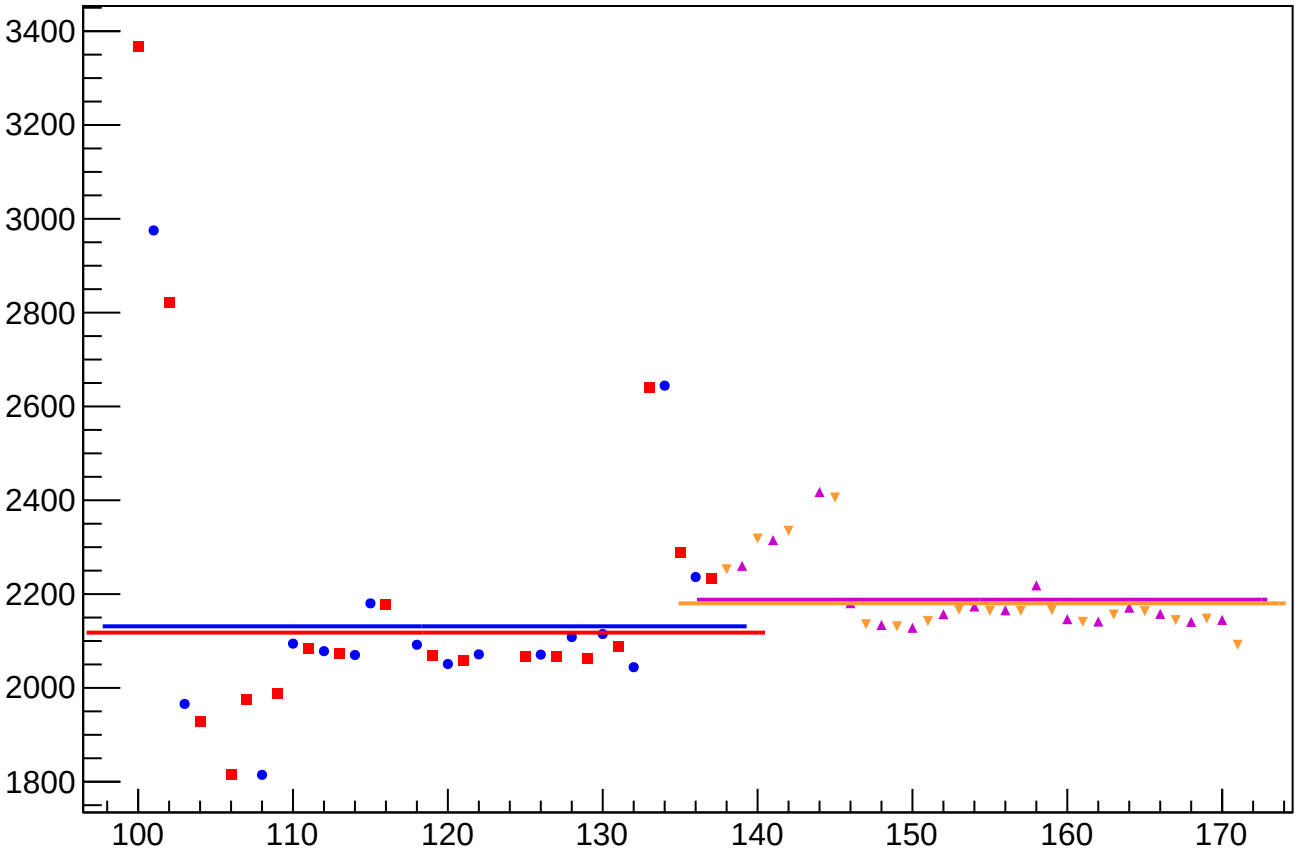
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1499.916+/-0.245 χ^2/NDF:3068489.9/31

Out: 1478.838+/-0.241 χ^2/NDF:3215878.8/34

All: 1489.211+/-0.172 χ^2/NDF: 6288142.2/66


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: -524.754+/-602.106 χ²/NDF:9.6/15
Left: -556.219+/-423.256 χ²/NDF: 36.5/32
Right: -747.490+/-563.515 χ²/NDF: 28.3/33
In: -924.870+/-480.633 χ²/NDF:22.2/31
Out: -330.541+/-476.607 χ²/NDF:42.0/34
All: -625.206+/-338.426 χ²/NDF: 64.9/66



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: 2188.078+/-0.426 χ^2/NDF:29919.8/15

Left: 2184.117+/-0.299 χ^2/NDF: 62805.9/32

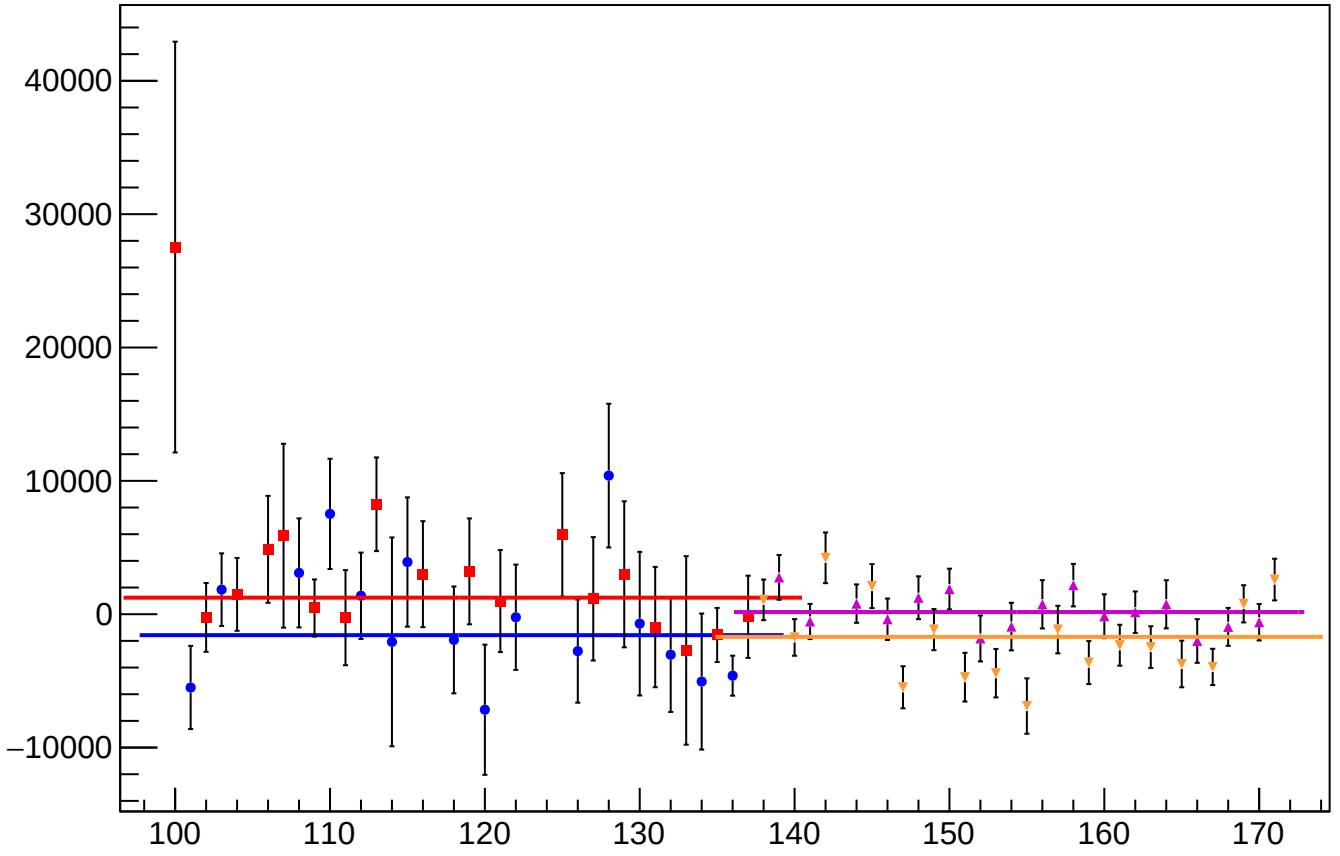
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2167.479+/-0.340 χ^2/NDF:212315.7/31

Out: 2157.878+/-0.337 χ^2/NDF:204218.1/34

All: 2162.638+/-0.239 χ^2/NDF: 416936.1/66

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.073+/-859.754 χ^2/NDF: 22.6/15

Left Out: -1699.868+/-389.661 χ^2/NDF:52.2/16

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 162.981+/-392.654 χ^2/NDF:10.9/15

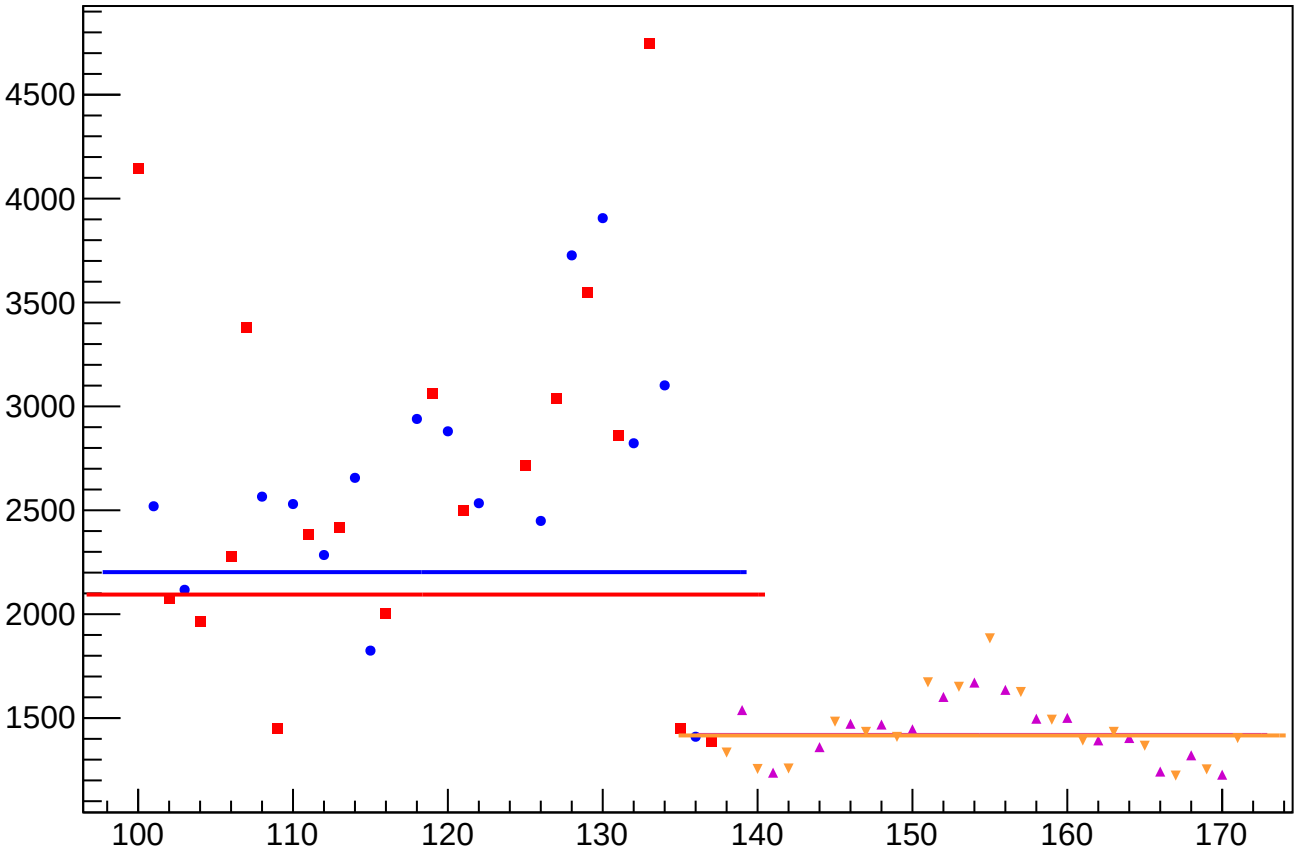
Left: -775.569+/-276.584 χ^2/NDF: 74.5/32

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: -136.286+/-357.168 χ^2/NDF:36.9/31

Out: -1157.874+/-351.928 χ^2/NDF:75.8/34

All: -654.629+/-250.683 χ^2/NDF: 116.8/66



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: 1418.845+/-0.278 χ^2/NDF:229894.5/15

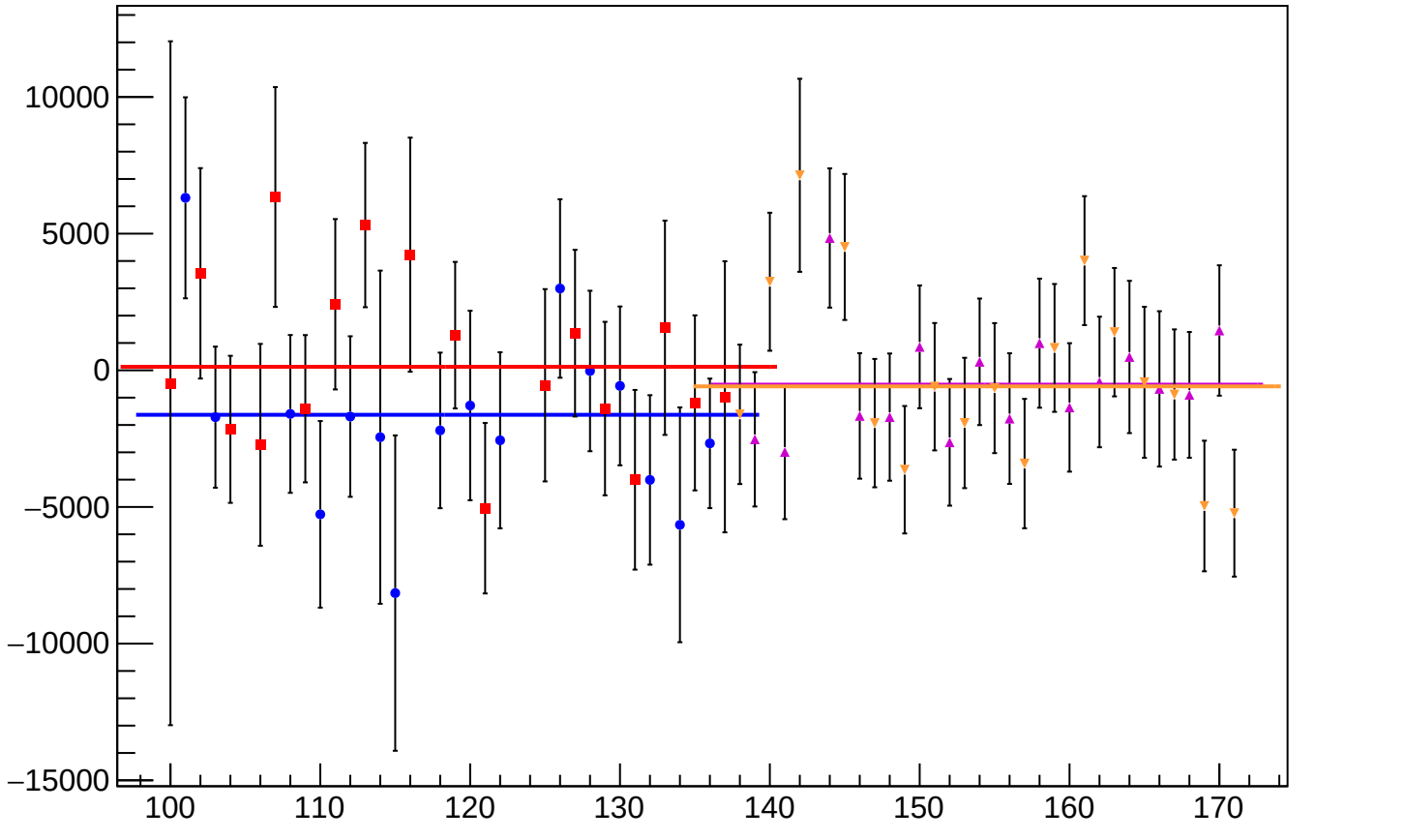
Left: 1417.627+/-0.196 χ^2/NDF: 556524.7/32

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1554.069+/-0.253 χ^2/NDF:2827284.9/31

Out: 1541.383+/-0.249 χ^2/NDF:2816248.4/34

All: 1547.632+/-0.177 χ^2/NDF: 5644813.6/66



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -586.953+/-595.105 χ^2/NDF:26.9/16

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -524.755+/-602.106 χ^2/NDF:9.6/15

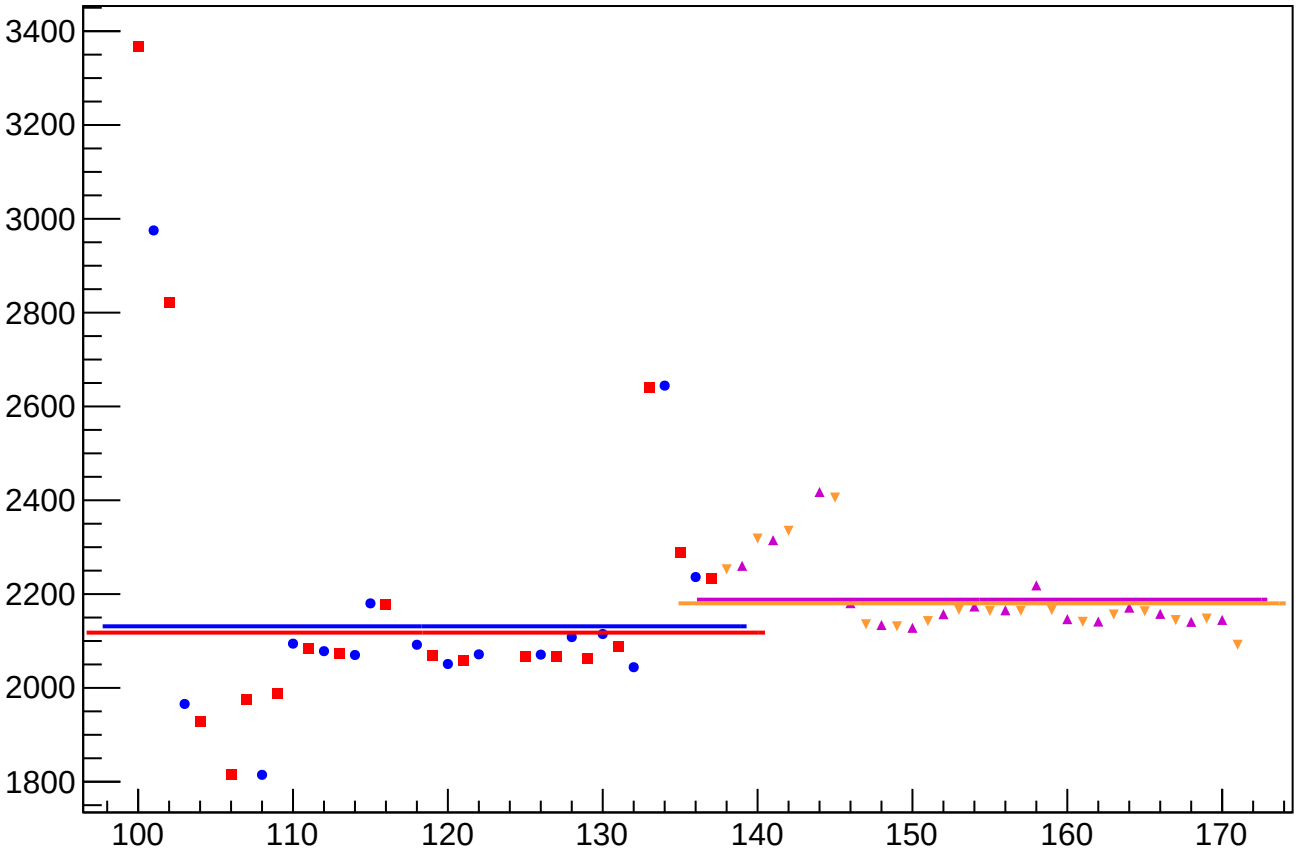
Left: -556.218+/-423.256 χ^2/NDF: 36.5/32

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -924.872+/-480.633 χ^2/NDF:22.2/31

Out: -330.541+/-476.607 χ^2/NDF:42.0/34

All: -625.207+/-338.426 χ^2/NDF: 64.9/66



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: 2188.078+/-0.426 χ^2/NDF:29919.9/15

Left: 2184.117+/-0.299 χ^2/NDF: 62806.2/32

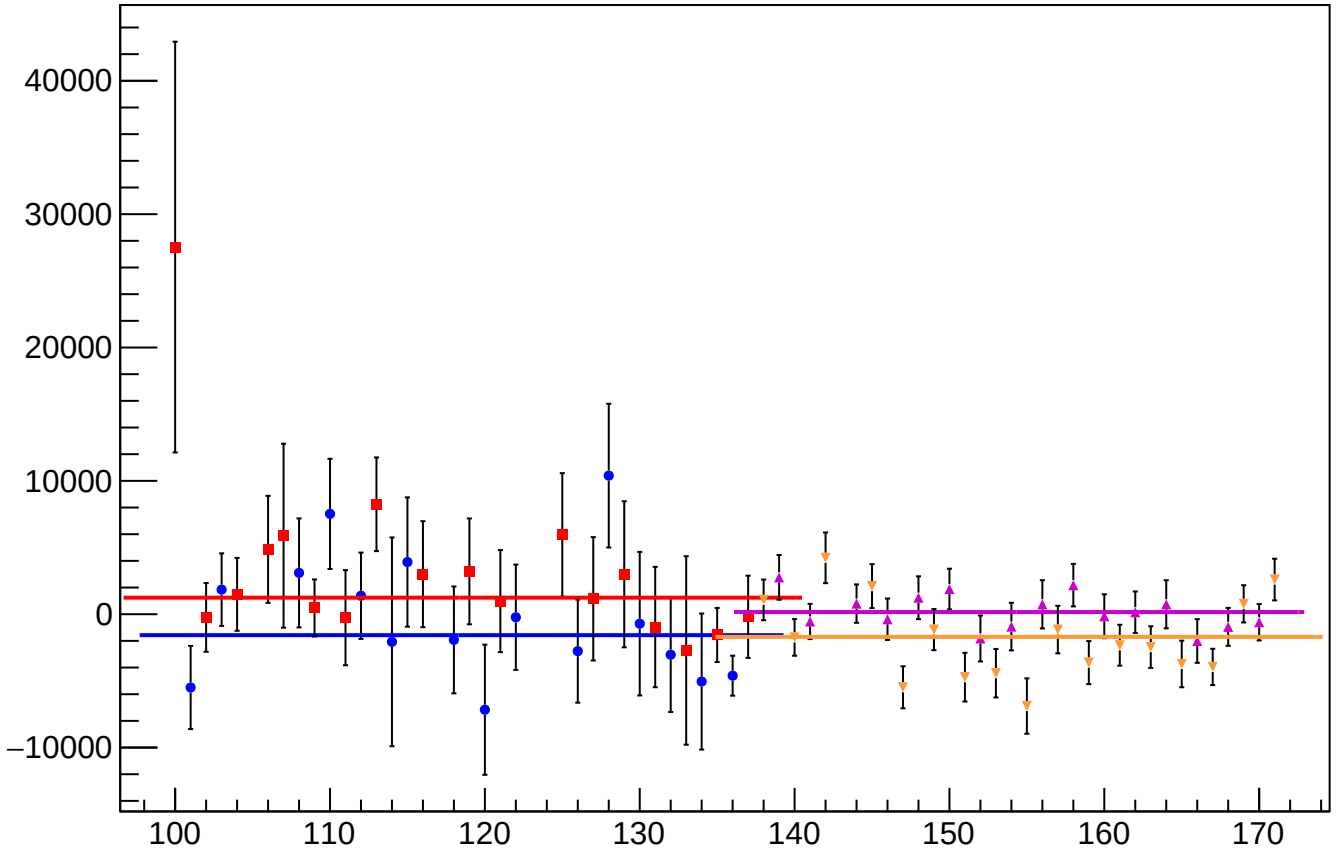
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2167.479+/-0.340 χ^2/NDF:212315.8/31

Out: 2157.878+/-0.337 χ^2/NDF:204218.1/34

All: 2162.638+/-0.239 χ^2/NDF: 416936.3/66

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: 162.976+/-392.654 χ^2/NDF:10.9/15

Left: -775.573+/-276.584 χ^2/NDF: 74.5/32

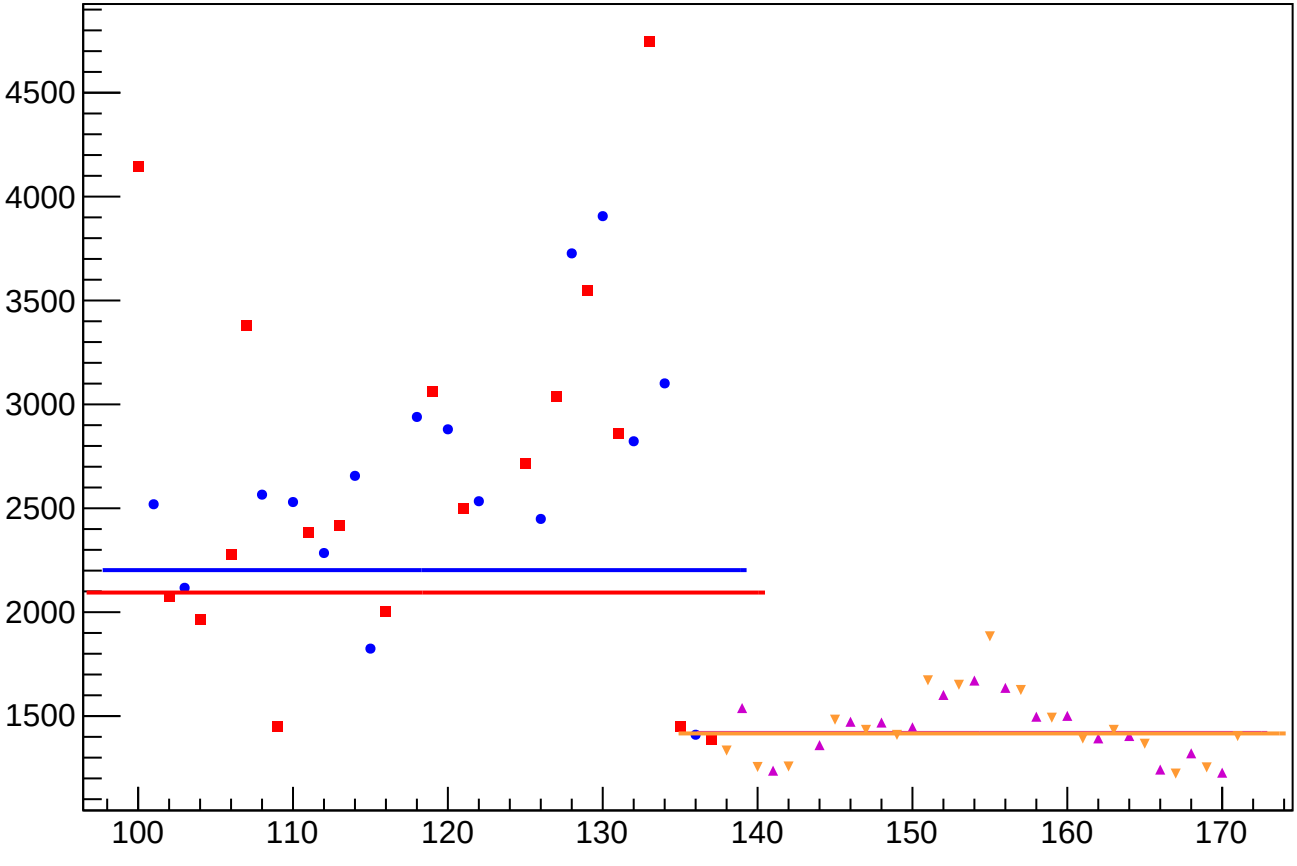
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: -136.286+/-357.168 χ^2/NDF:36.9/31

Out: -1157.878+/-351.928 χ^2/NDF:75.8/34

All: -654.630+/-250.683 χ^2/NDF: 116.8/66

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: 1418.845+/-0.278 χ^2/NDF:229899.9/15

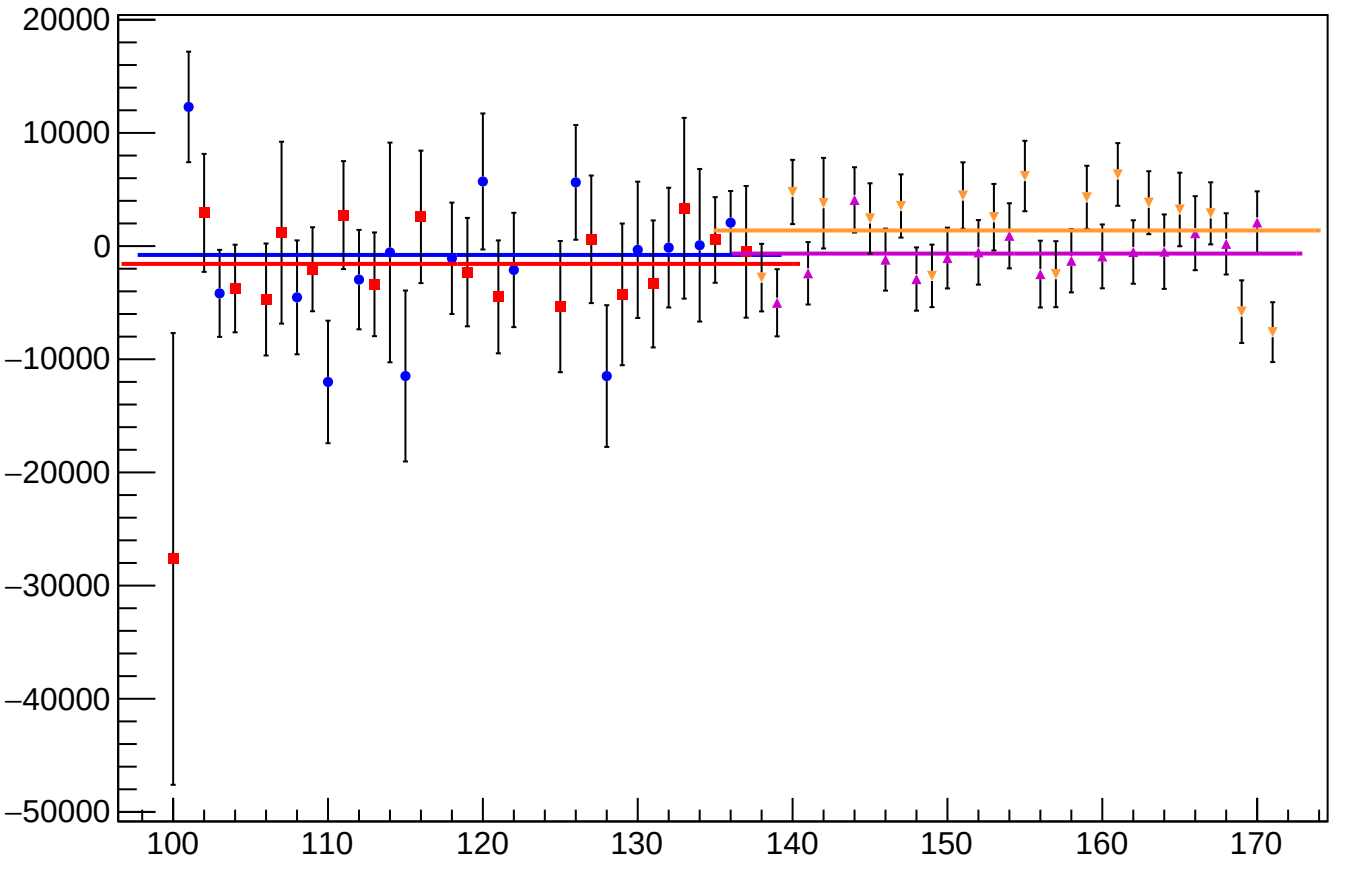
Left: 1417.627+/-0.196 χ^2/NDF: 556524.4/32

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1554.070+/-0.253 χ^2/NDF:2827269.0/31

Out: 1541.385+/-0.249 χ^2/NDF:2816226.1/34

All: 1547.634+/-0.177 χ^2/NDF: 5644775.2/66



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: -661.814+/-714.466 χ^2/NDF:8.1/15

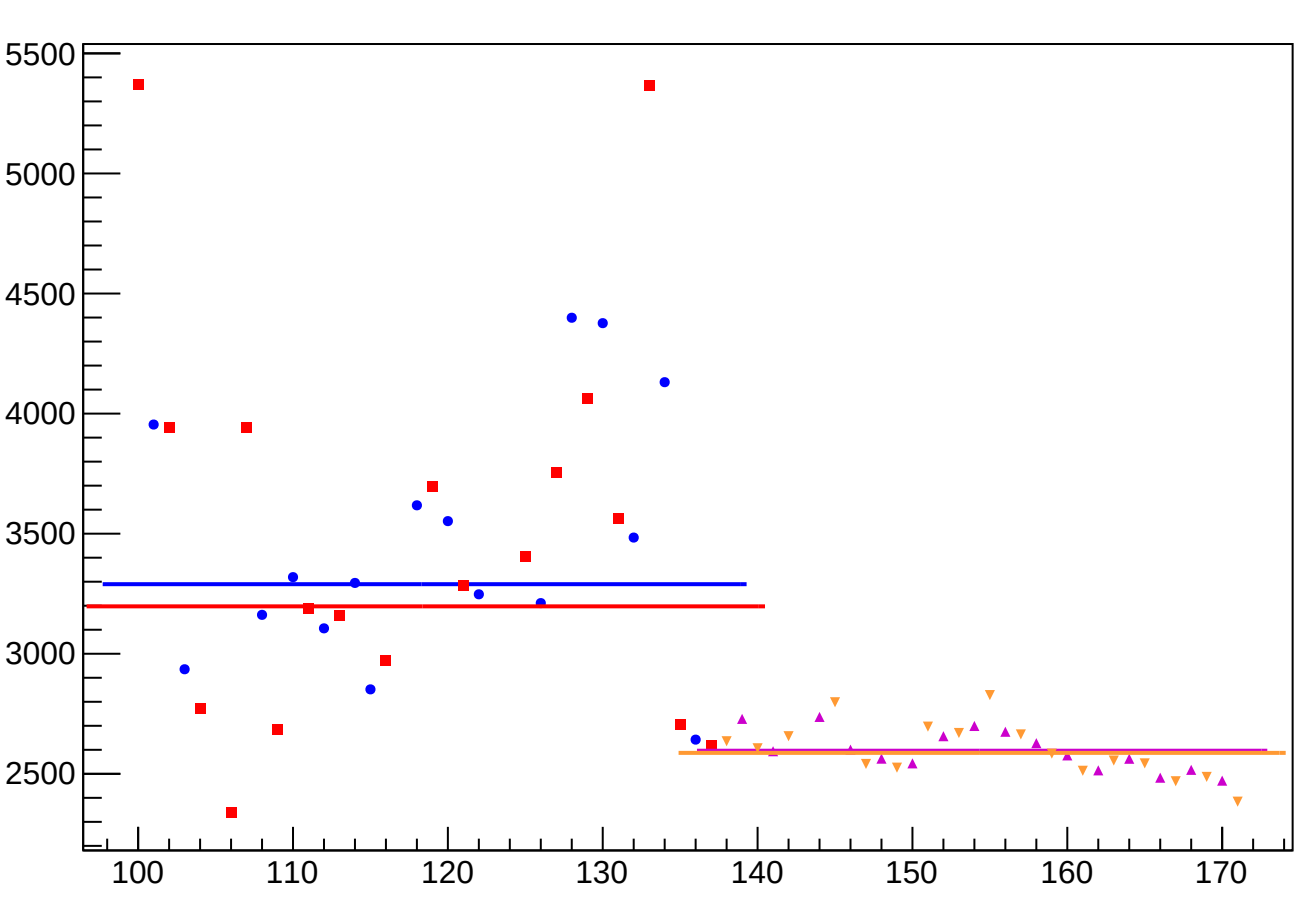
Left: 370.331+/-502.341 χ^2/NDF: 48.2/32

Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -691.612+/-619.271 χ^2/NDF:30.0/31

Out: 636.686+/-611.213 χ^2/NDF:47.1/34

All: -18.765+/-435.014 χ^2/NDF: 79.4/66



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: 2596.213+/-0.505 χ^2/NDF:25165.9/15

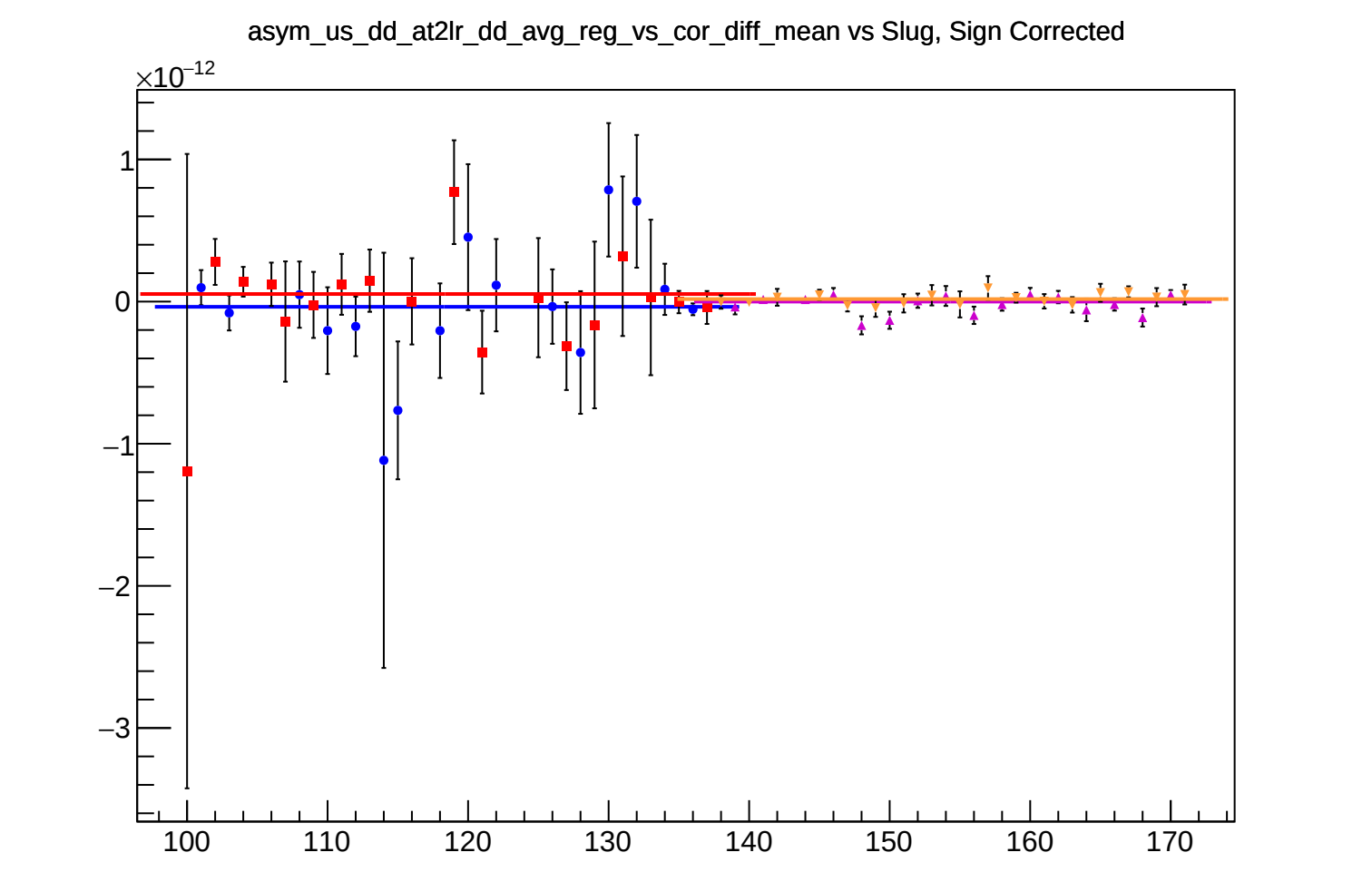
Left: 2591.683+/-0.355 χ^2/NDF: 75225.2/32

Right: 3242.678+/-0.615 χ^2/NDF: 853157.4/33

In: 2768.698+/-0.438 χ^2/NDF:841414.1/31

Out: 2740.657+/-0.432 χ^2/NDF:924917.0/34

All: 2754.494+/-0.308 χ^2/NDF: 1768408.3/66



Right In: -0.000+/-0.000 χ^2/NDF: 13.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.0/16

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: -0.000+/-0.000 χ^2/NDF:24.4/15

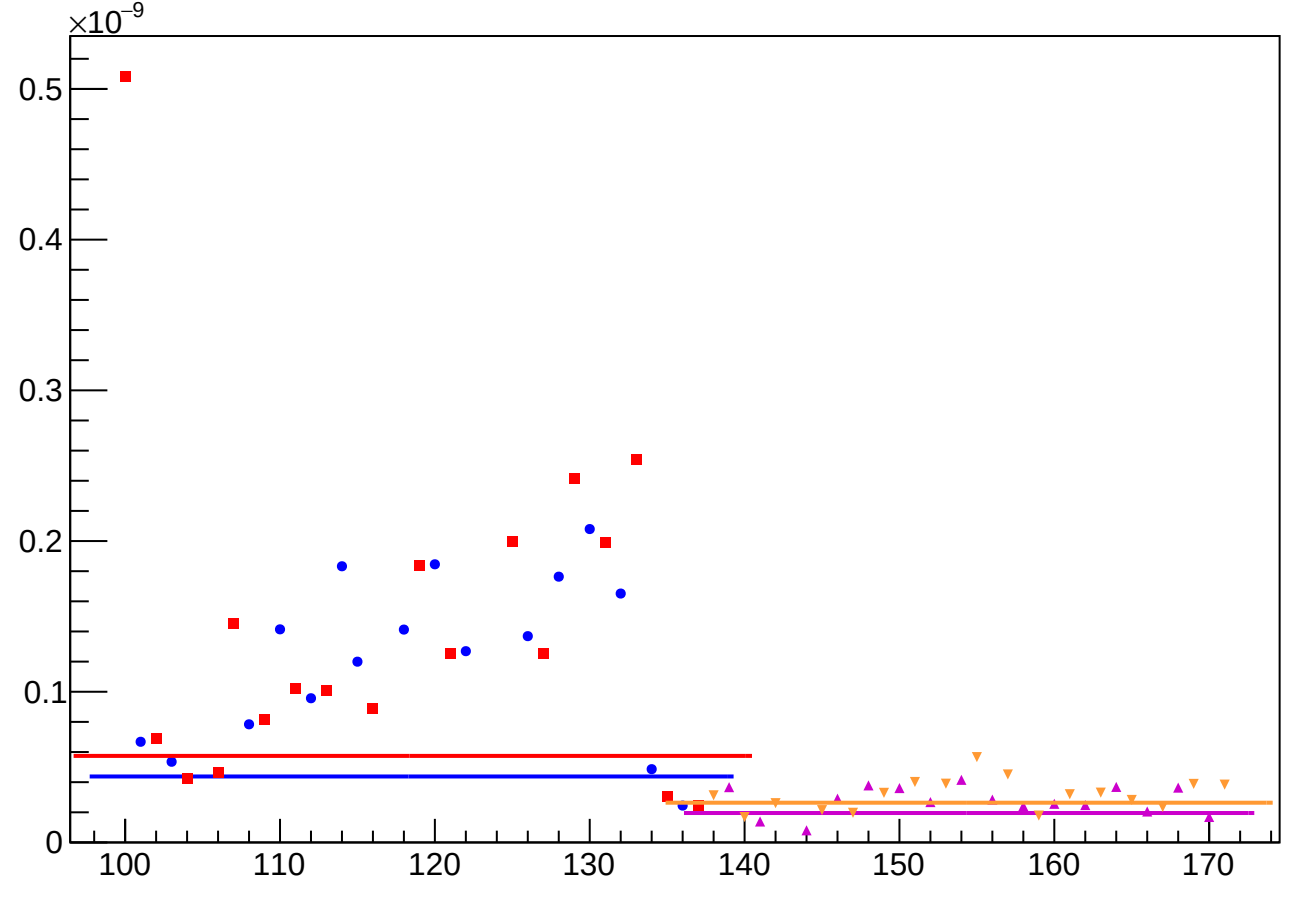
Left: 0.000+/-0.000 χ^2/NDF: 33.8/32

Right: -0.000+/-0.000 χ^2/NDF: 28.4/33

In: -0.000+/-0.000 χ^2/NDF:38.7/31

Out: 0.000+/-0.000 χ^2/NDF:21.2/34

All: 0.000+/-0.000 χ^2/NDF: 62.3/66



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:2108306.6/15

Left: 0.000+/-0.000 χ^2/NDF: 3599432.7/32

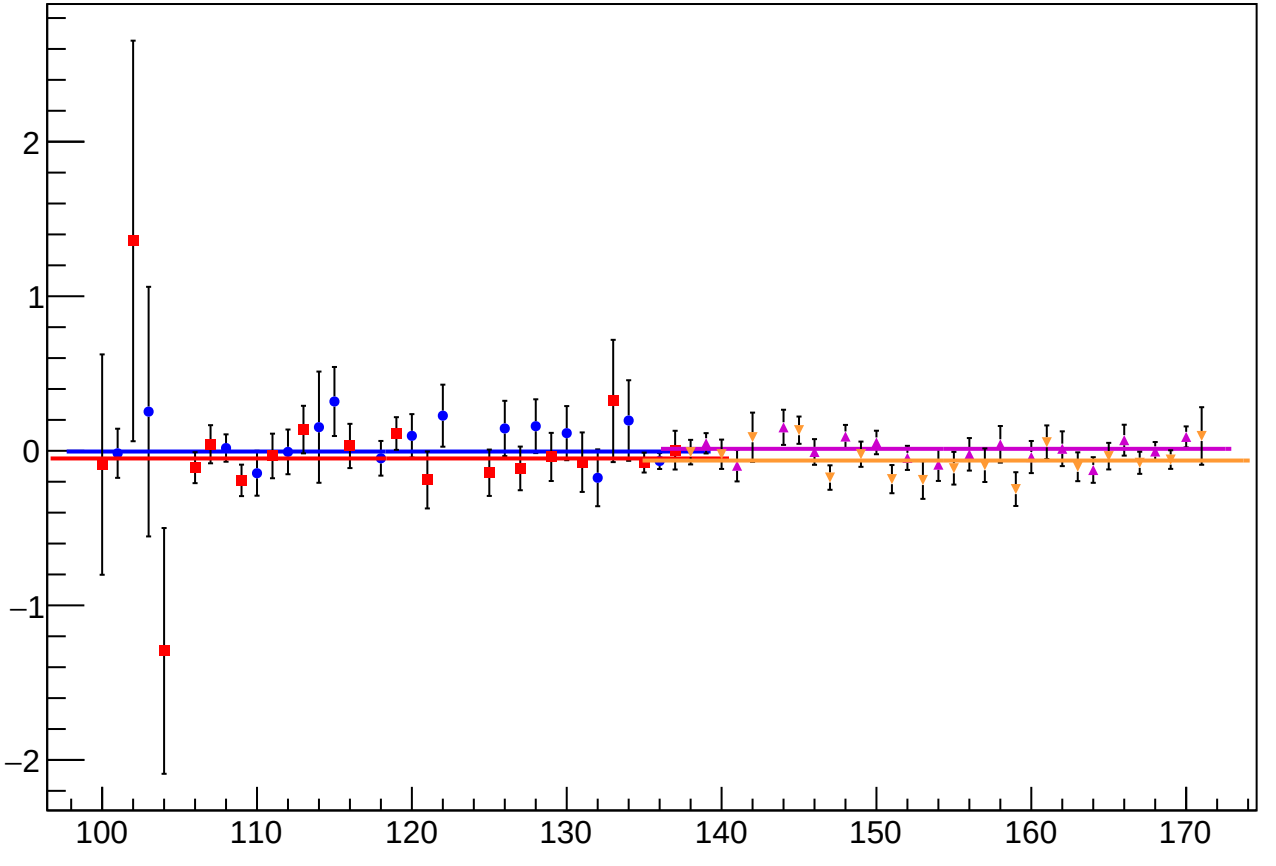
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5252025.9/31

Out: 0.000+/-0.000 χ^2/NDF:4151827.2/34

All: 0.000+/-0.000 χ^2/NDF: 9846739.2/66

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: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.023+/-0.015 χ^2/NDF: 33.8/32

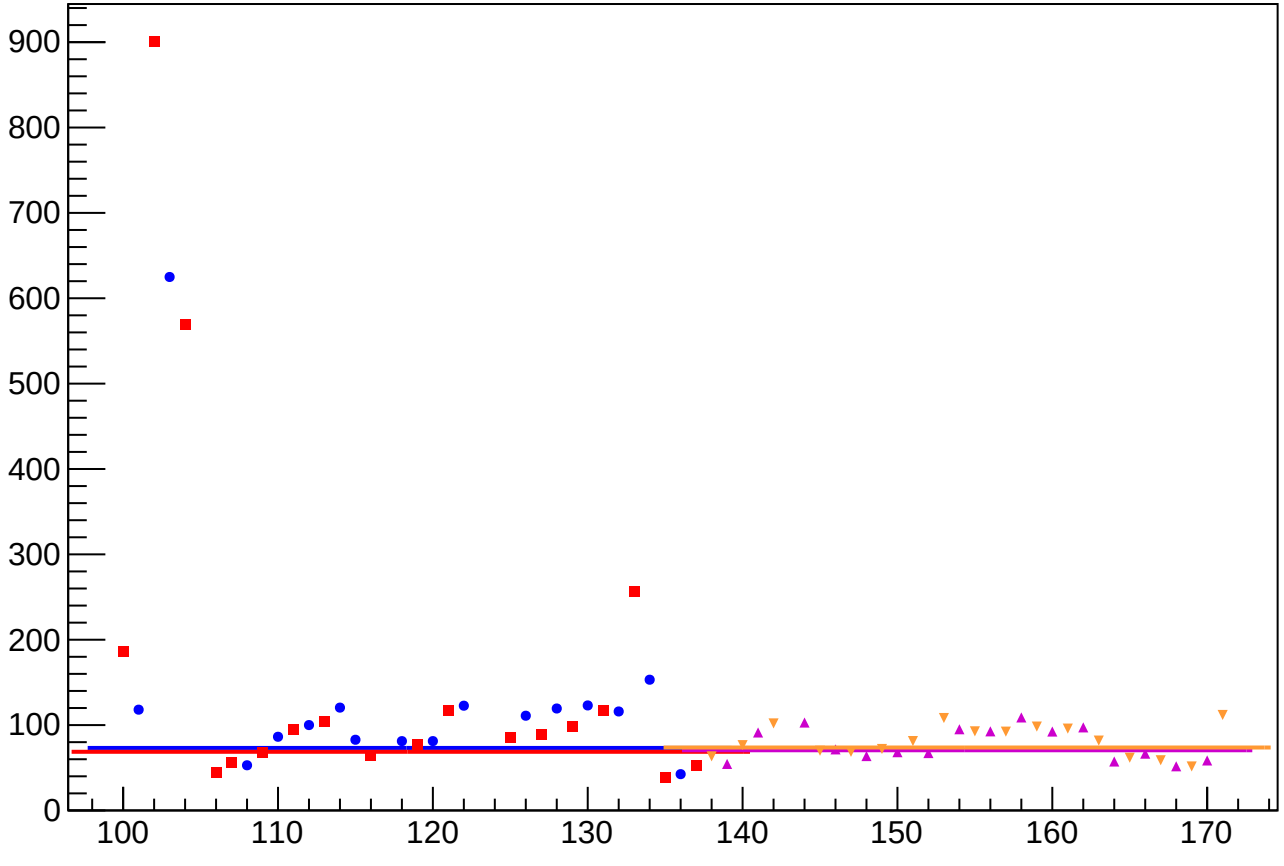
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.025+/-0.013 χ^2/NDF: 58.1/66

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: 70.517+/-0.015 χ^2/NDF:1303508.7/15

Left: 72.056+/-0.011 χ^2/NDF: 2413043.0/32

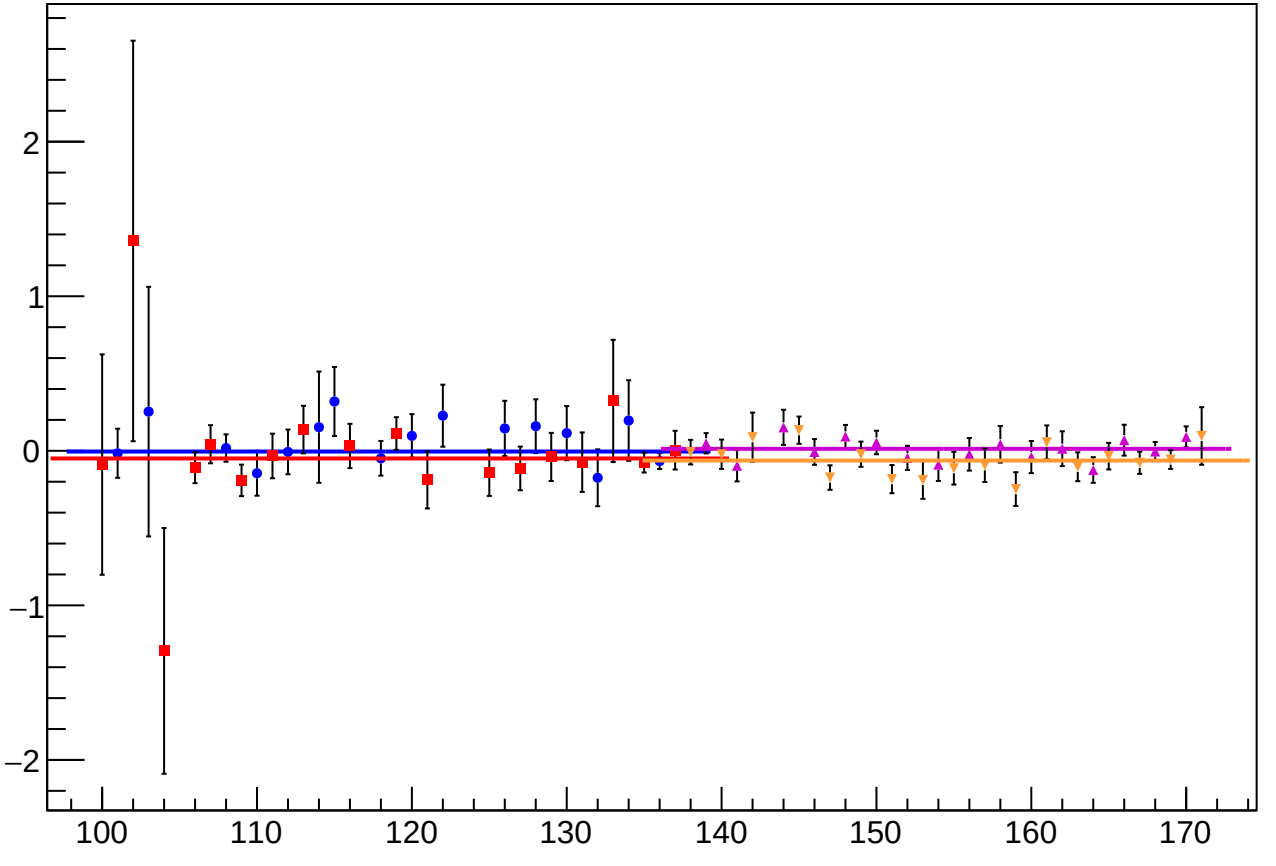
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.340+/-0.013 χ^2/NDF:4168024.8/31

Out: 72.086+/-0.013 χ^2/NDF:4452919.2/34

All: 71.703+/-0.009 χ^2/NDF: 8622669.6/66

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: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.023+/-0.015 χ^2/NDF: 33.8/32

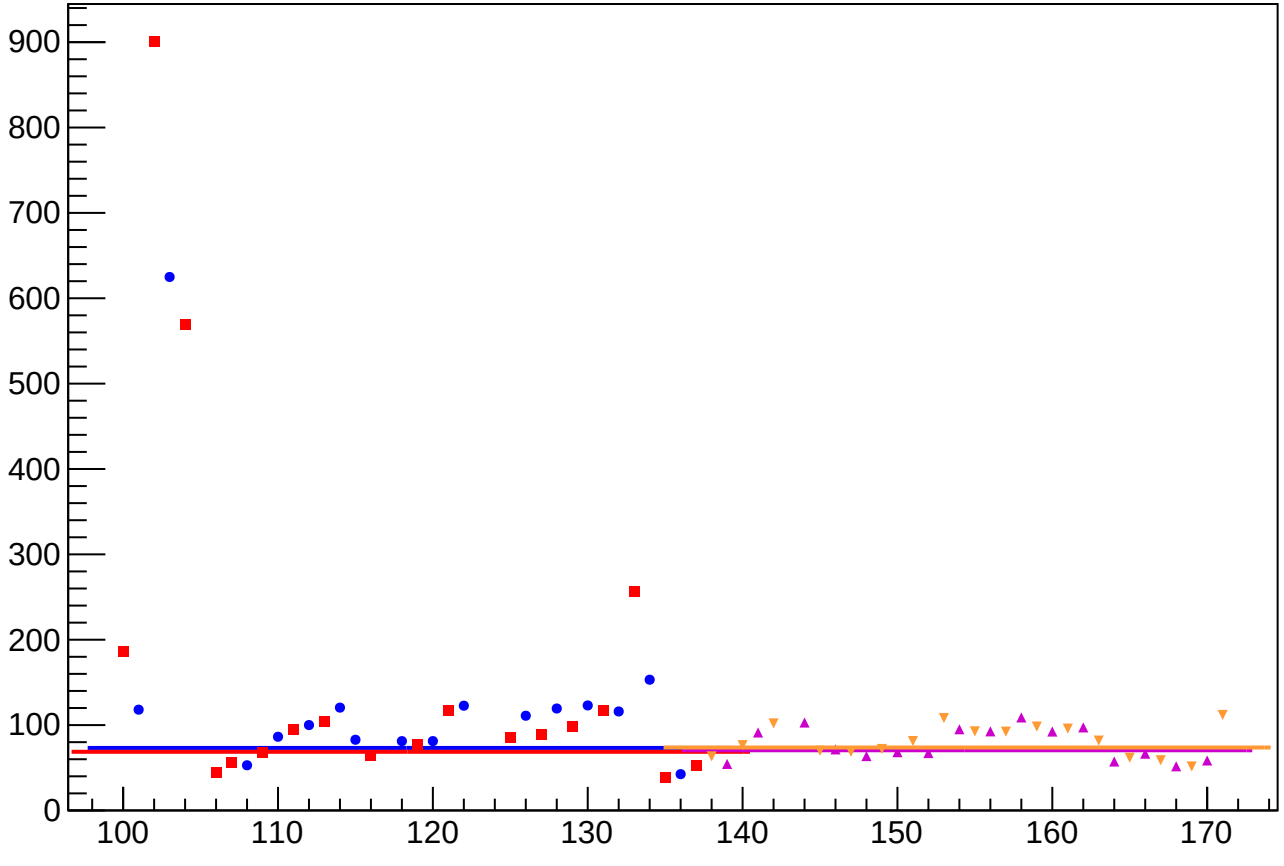
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.025+/-0.013 χ^2/NDF: 58.1/66

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: 70.517+/-0.015 χ^2/NDF:1303508.7/15

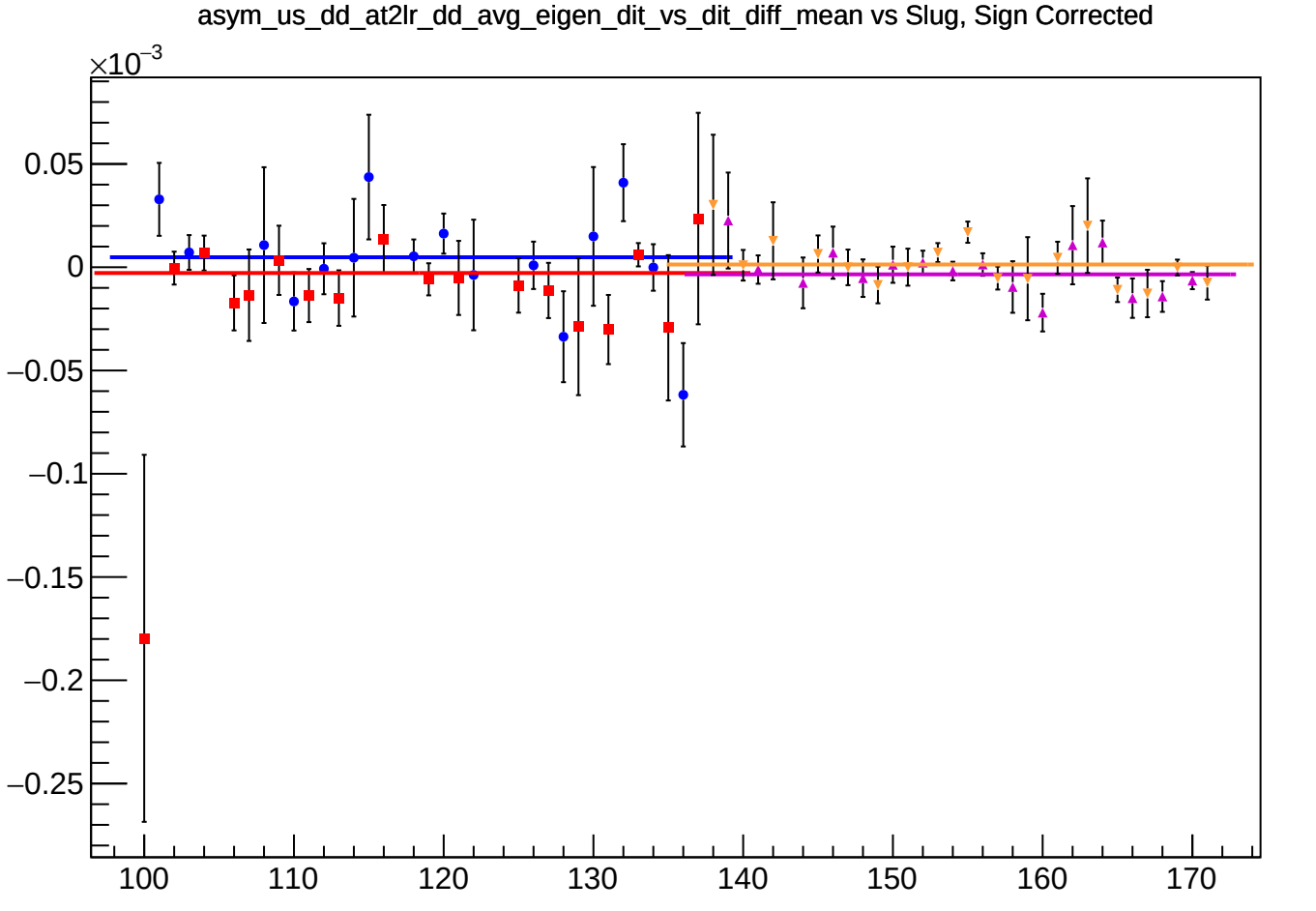
Left: 72.056+/-0.011 χ^2/NDF: 2413043.0/32

Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 71.340+/-0.013 χ^2/NDF:4168024.8/31

Out: 72.086+/-0.013 χ^2/NDF:4452919.2/34

All: 71.703+/-0.009 χ^2/NDF: 8622669.6/66



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:15.4/15

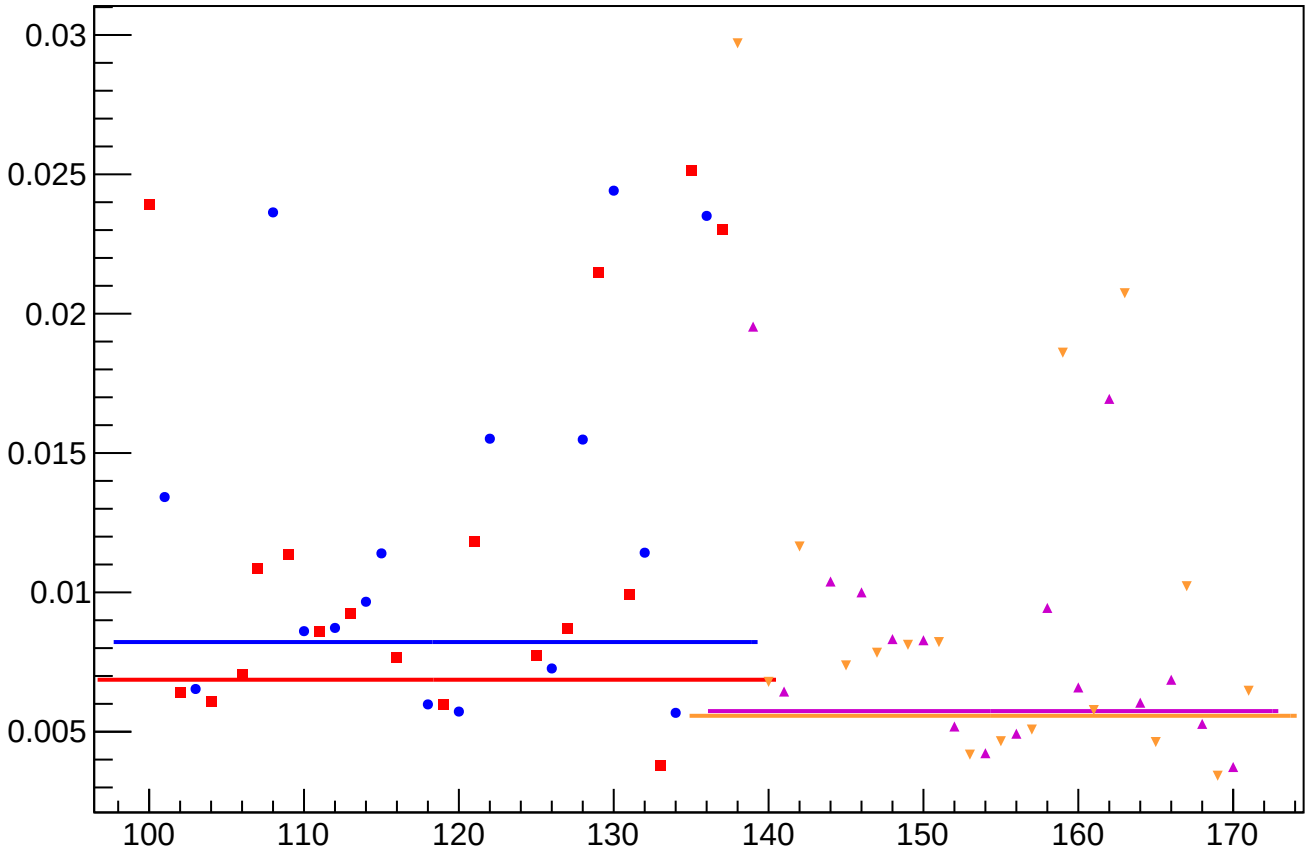
Left: -0.000+/-0.000 χ^2/NDF: 42.0/32

Right: 0.000+/-0.000 χ^2/NDF: 42.2/33

In: -0.000+/-0.000 χ^2/NDF:42.4/31

Out: 0.000+/-0.000 χ^2/NDF:41.3/34

All: -0.000+/-0.000 χ^2/NDF: 84.4/66



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: 0.006+/-0.000 χ^2/NDF:3253638.7/15

Left: 0.006+/-0.000 χ^2/NDF: 8115862.8/32

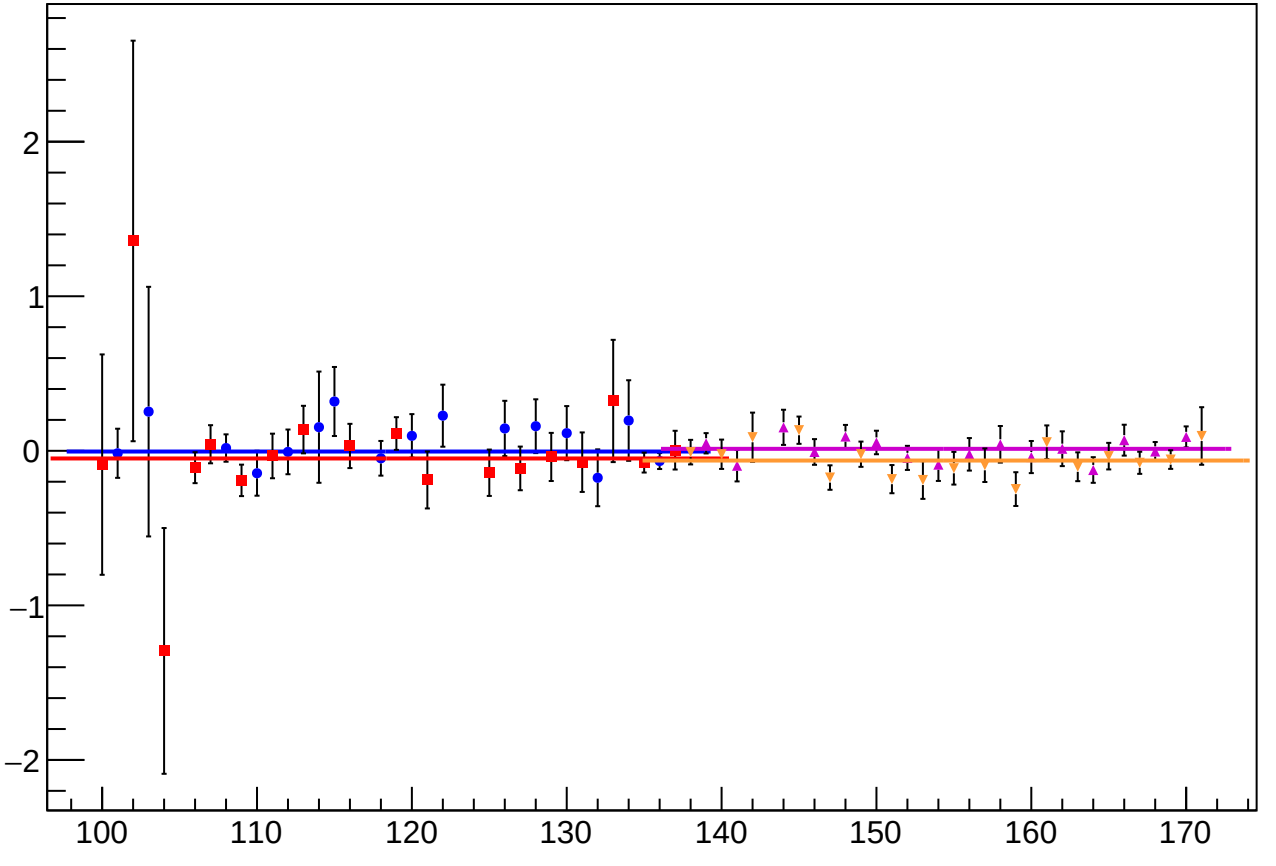
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.006+/-0.000 χ^2/NDF:6694913.0/31

Out: 0.006+/-0.000 χ^2/NDF:7582651.6/34

All: 0.006+/-0.000 χ^2/NDF: 14330947.7/66

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: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.023+/-0.015 χ^2/NDF: 33.8/32

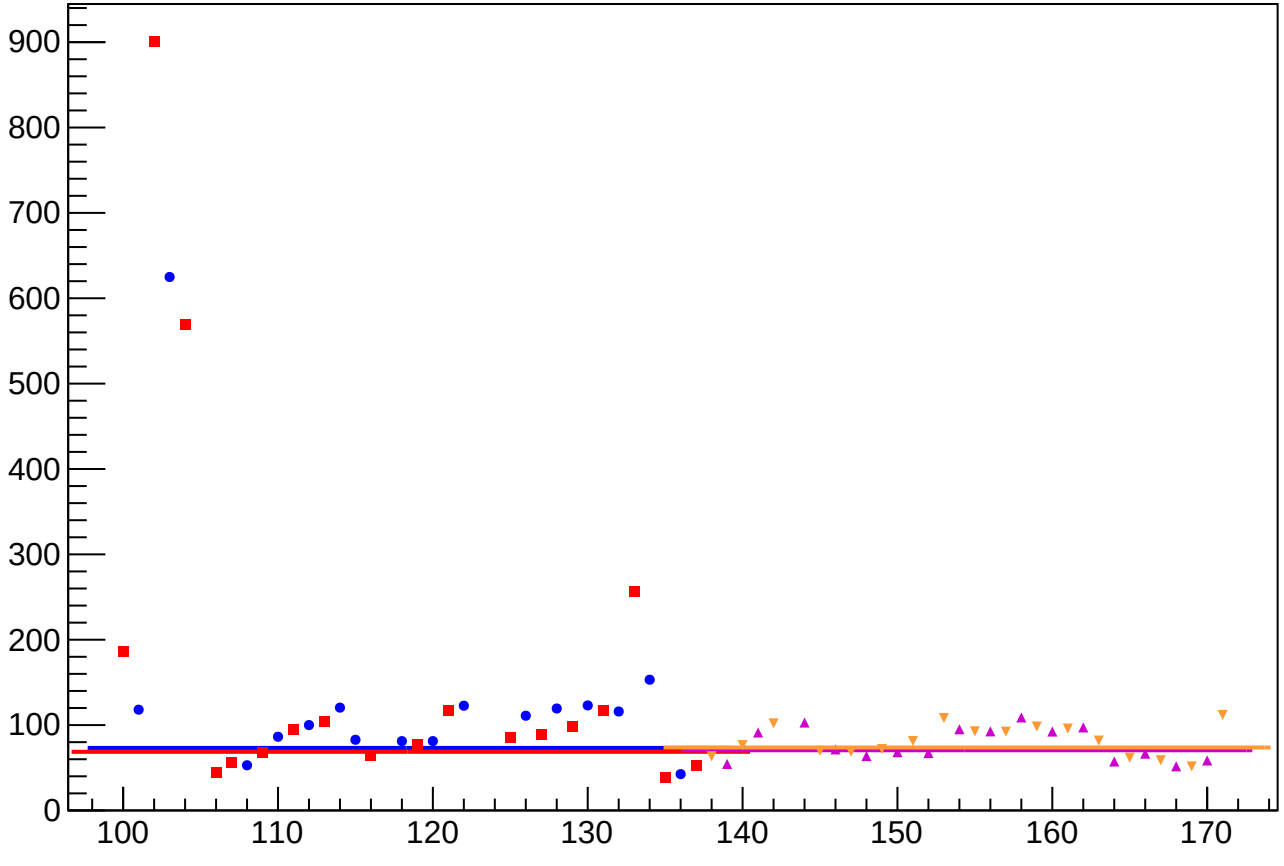
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.025+/-0.013 χ^2/NDF: 58.1/66

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: 70.519+/-0.015 χ^2/NDF:1303273.1/15

Left: 72.056+/-0.011 χ^2/NDF: 2412699.9/32

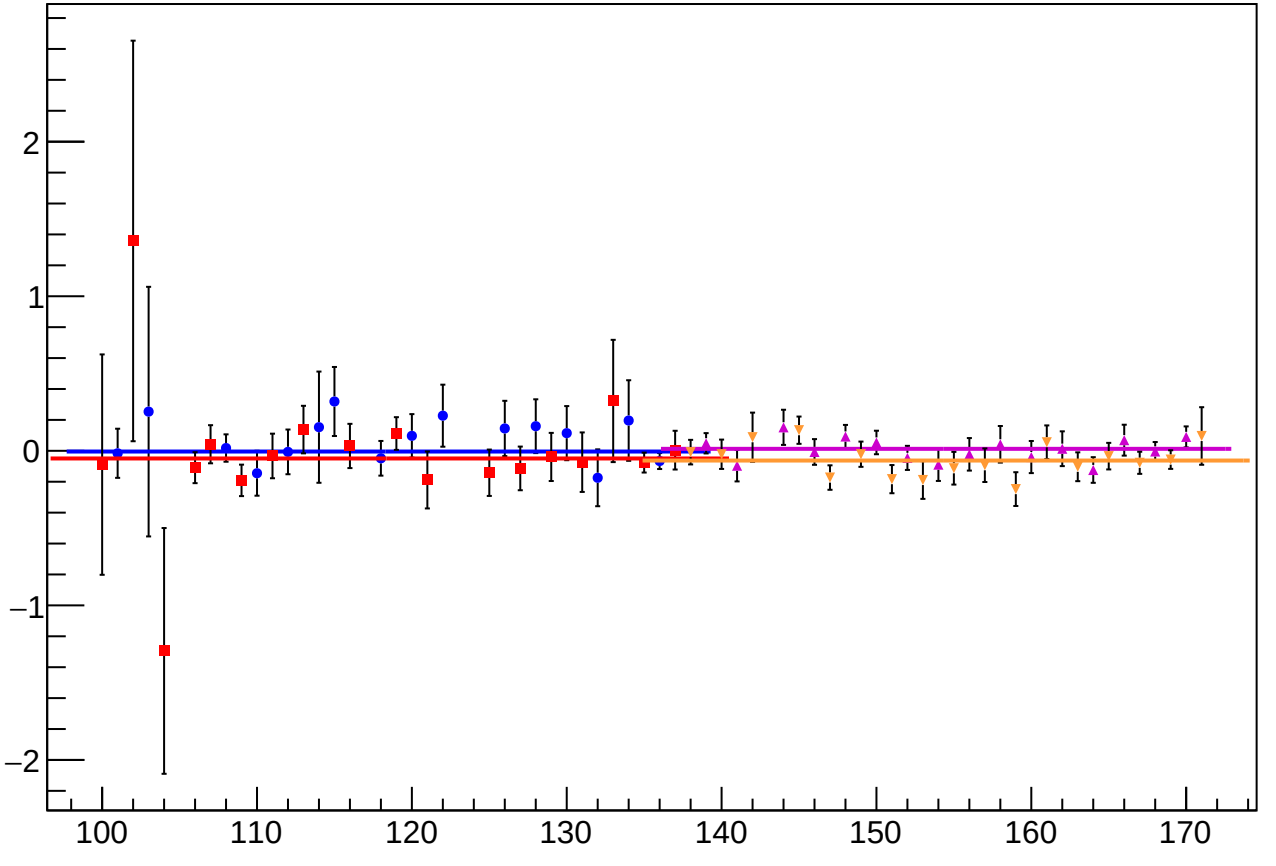
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.348+/-0.013 χ^2/NDF:4165667.2/31

Out: 72.082+/-0.013 χ^2/NDF:4453982.6/34

All: 71.705+/-0.009 χ^2/NDF: 8621319.2/66

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: 0.013+/-0.021 χ^2/NDF:10.8/15

Left: -0.023+/-0.015 χ^2/NDF: 33.8/32

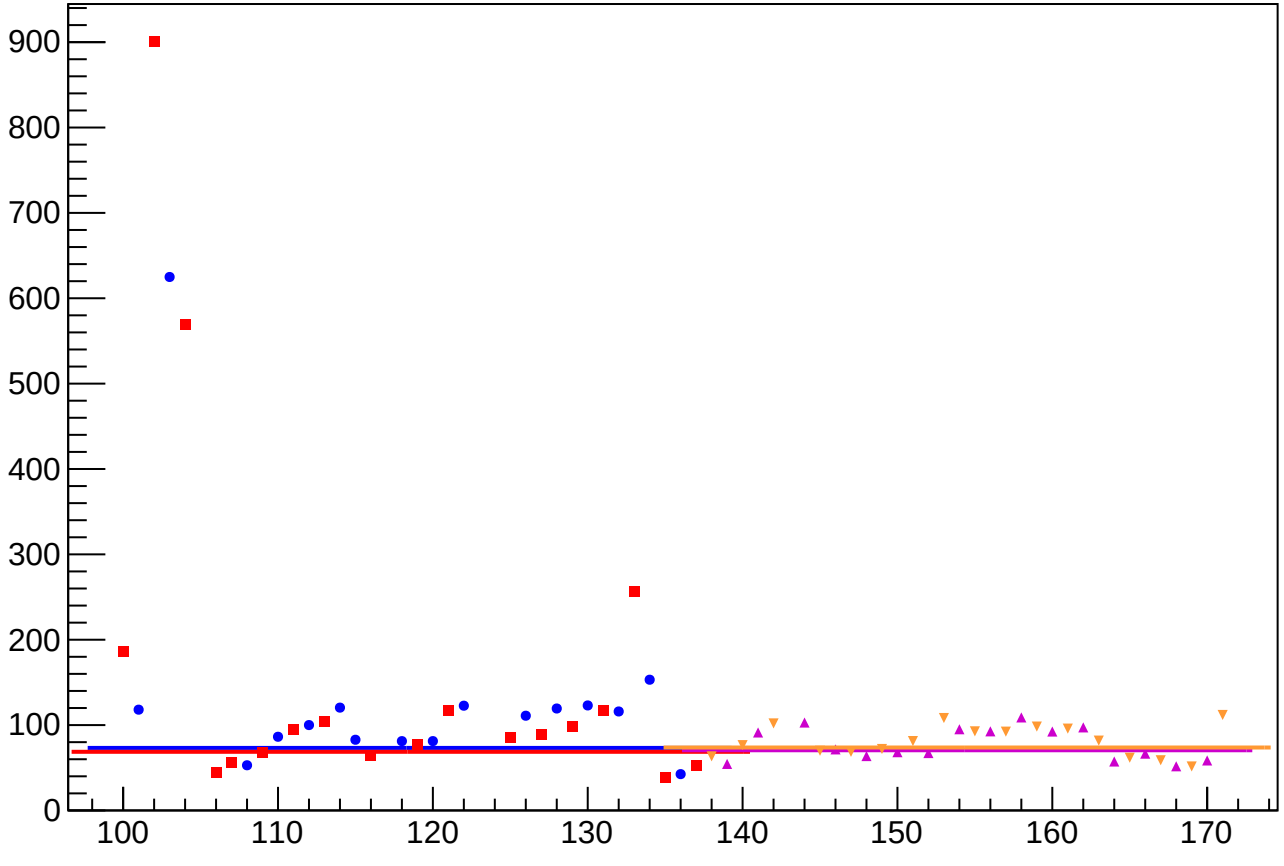
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:21.3/31

Out: -0.059+/-0.018 χ^2/NDF:30.1/34

All: -0.025+/-0.013 χ^2/NDF: 58.1/66

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: 70.519+/-0.015 χ^2/NDF:1303273.1/15

Left: 72.056+/-0.011 χ^2/NDF: 2412699.9/32

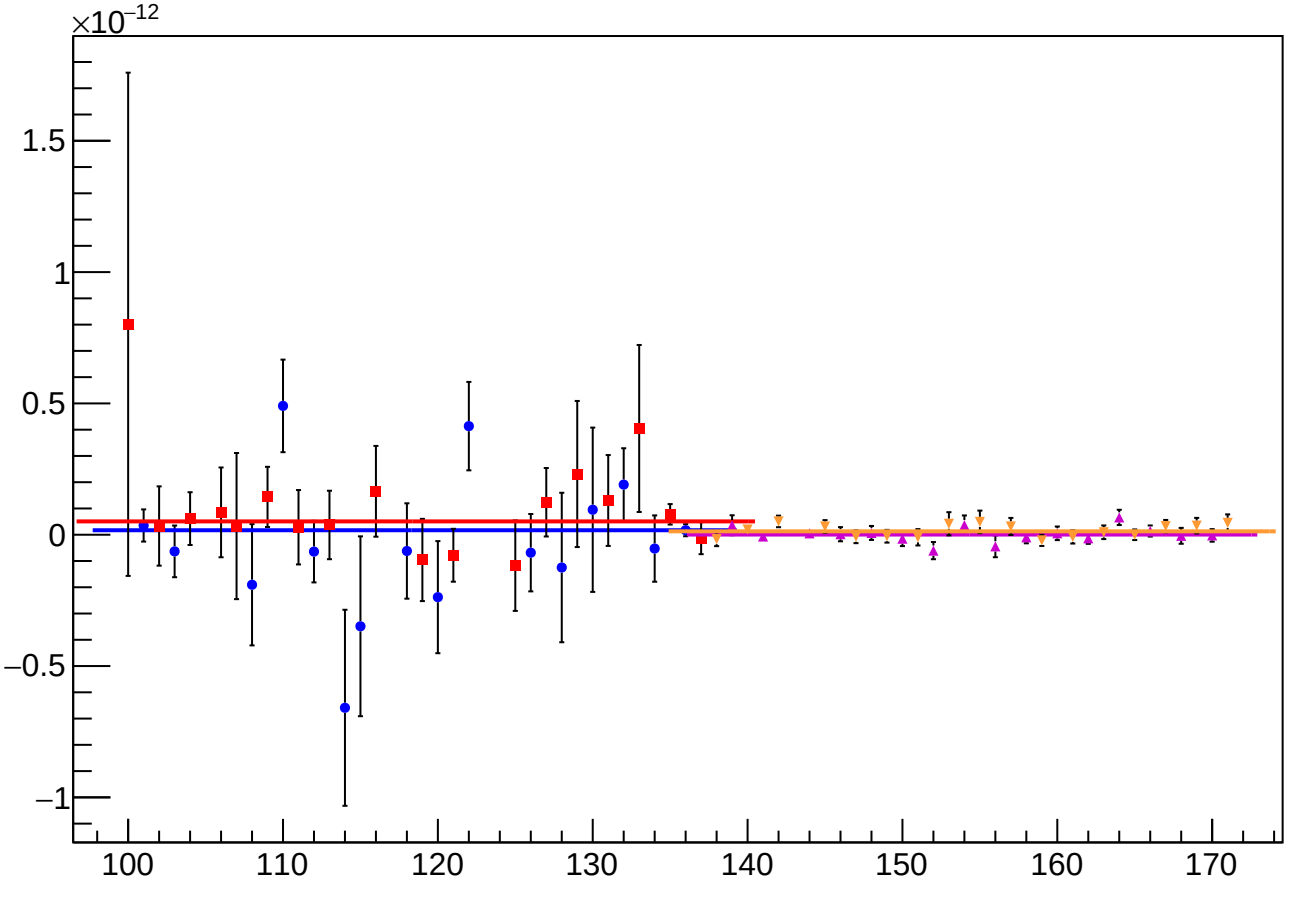
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 71.348+/-0.013 χ^2/NDF:4165667.2/31

Out: 72.082+/-0.013 χ^2/NDF:4453982.6/34

All: 71.705+/-0.009 χ^2/NDF: 8621319.2/66

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:13.4/15

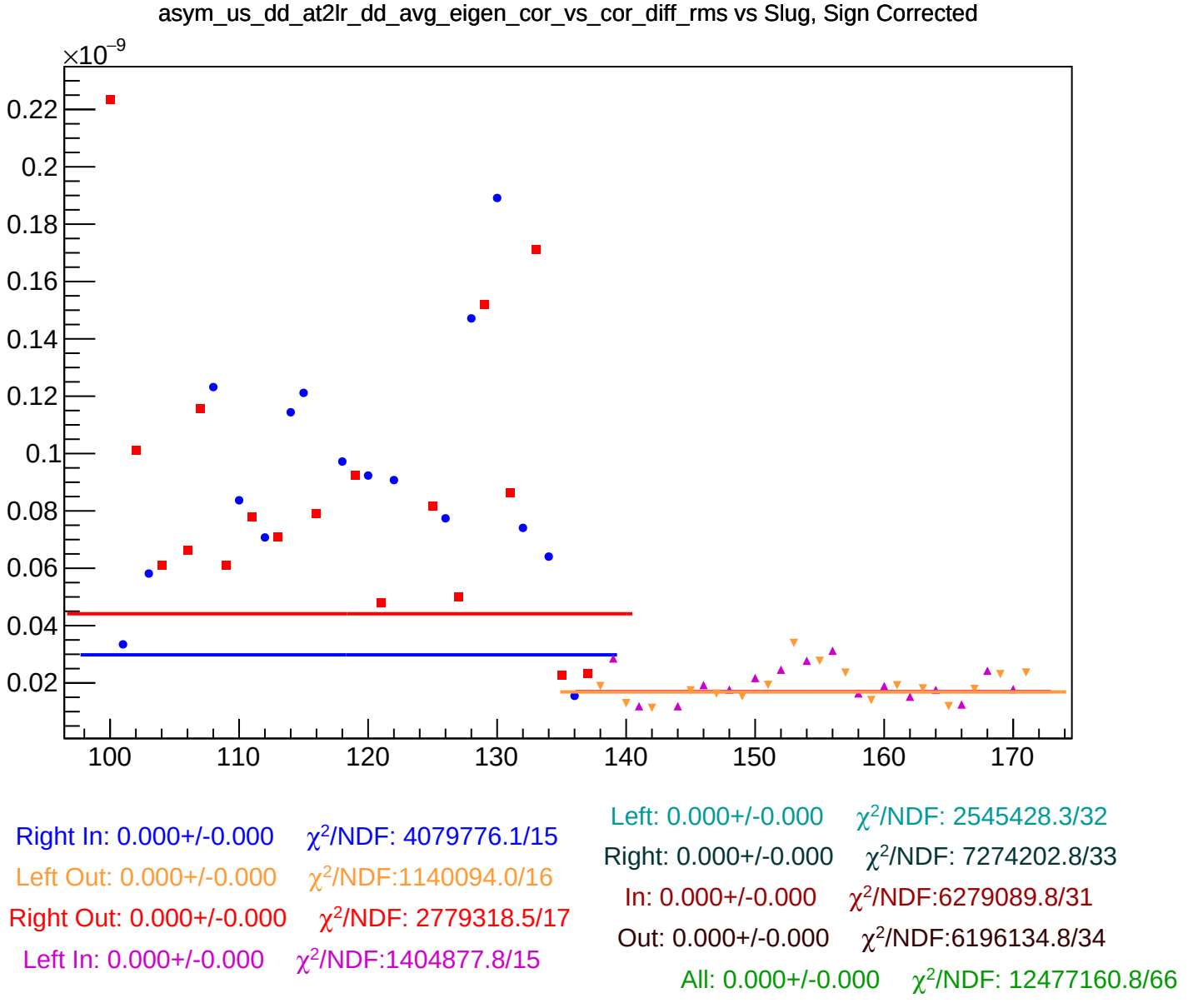
Left: 0.000+/-0.000 χ^2/NDF: 29.5/32

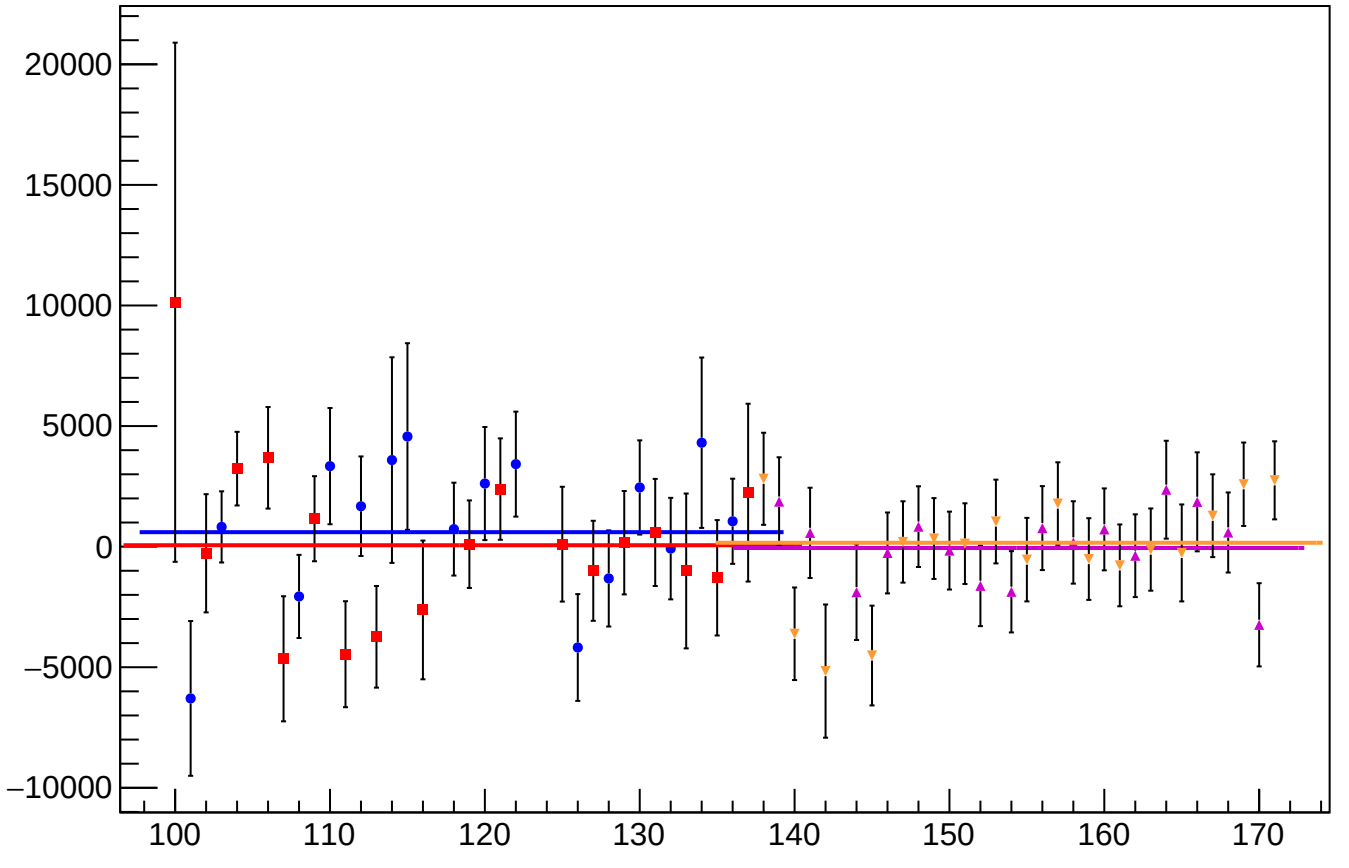
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:37.4/31

Out: 0.000+/-0.000 χ^2/NDF:25.4/34

All: 0.000+/-0.000 χ^2/NDF: 65.2/66


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:1404877.8/15
Left: 0.000+/-0.000 χ²/NDF: 2545428.3/32
Right: 0.000+/-0.000 χ²/NDF: 7274202.8/33
In: 0.000+/-0.000 χ²/NDF:6279089.8/31
Out: 0.000+/-0.000 χ²/NDF:6196134.8/34
All: 0.000+/-0.000 χ²/NDF: 12477160.8/66



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: -56.063+/-439.415 χ^2/NDF:10.7/15

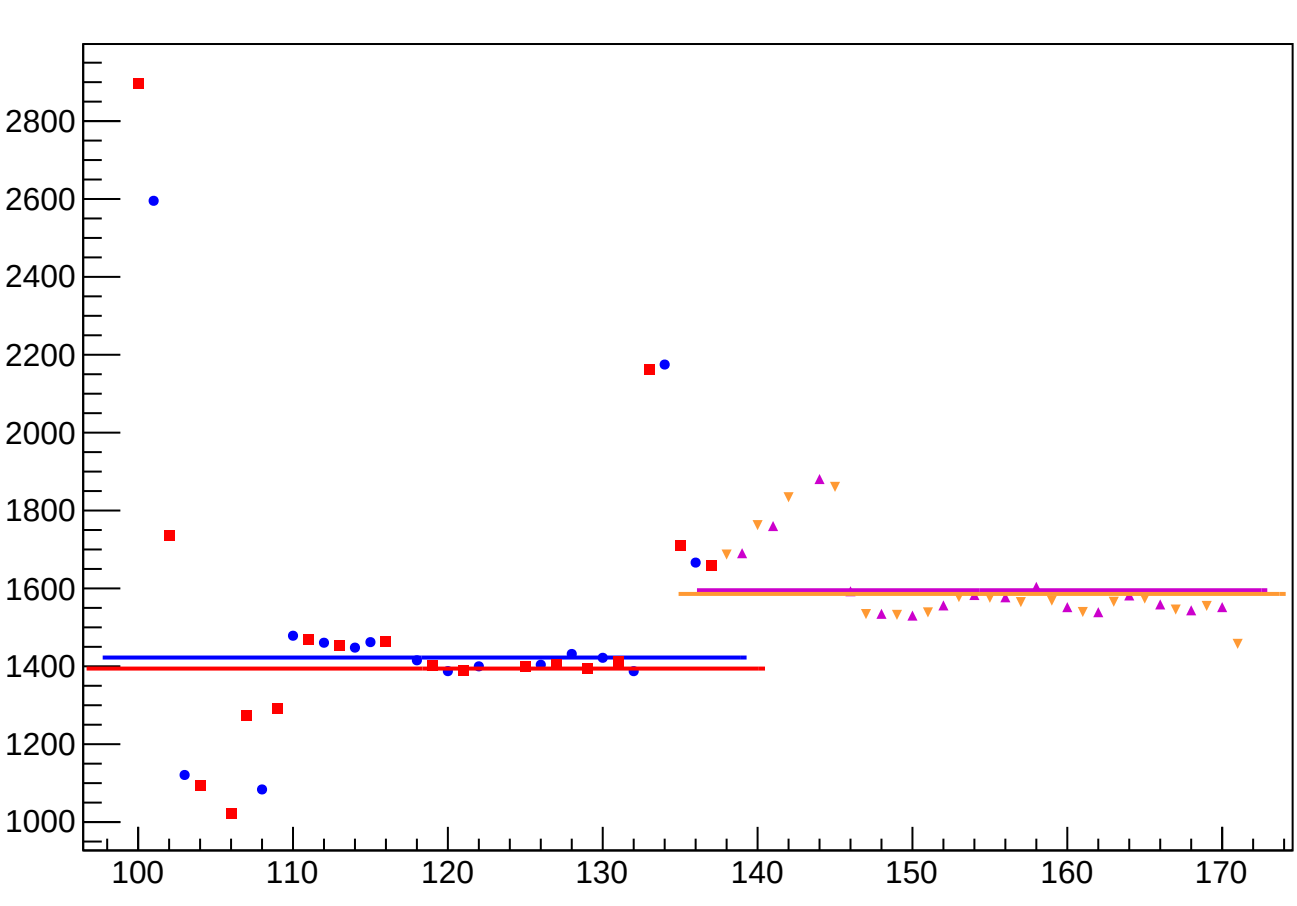
Left: 54.382+/-308.553 χ^2/NDF: 32.3/32

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 205.322+/-340.844 χ^2/NDF:31.9/31

Out: 120.669+/-335.544 χ^2/NDF:44.0/34

All: 162.332+/-239.117 χ^2/NDF: 76.0/66



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: 1595.330+/-0.311 χ^2/NDF:77058.8/15

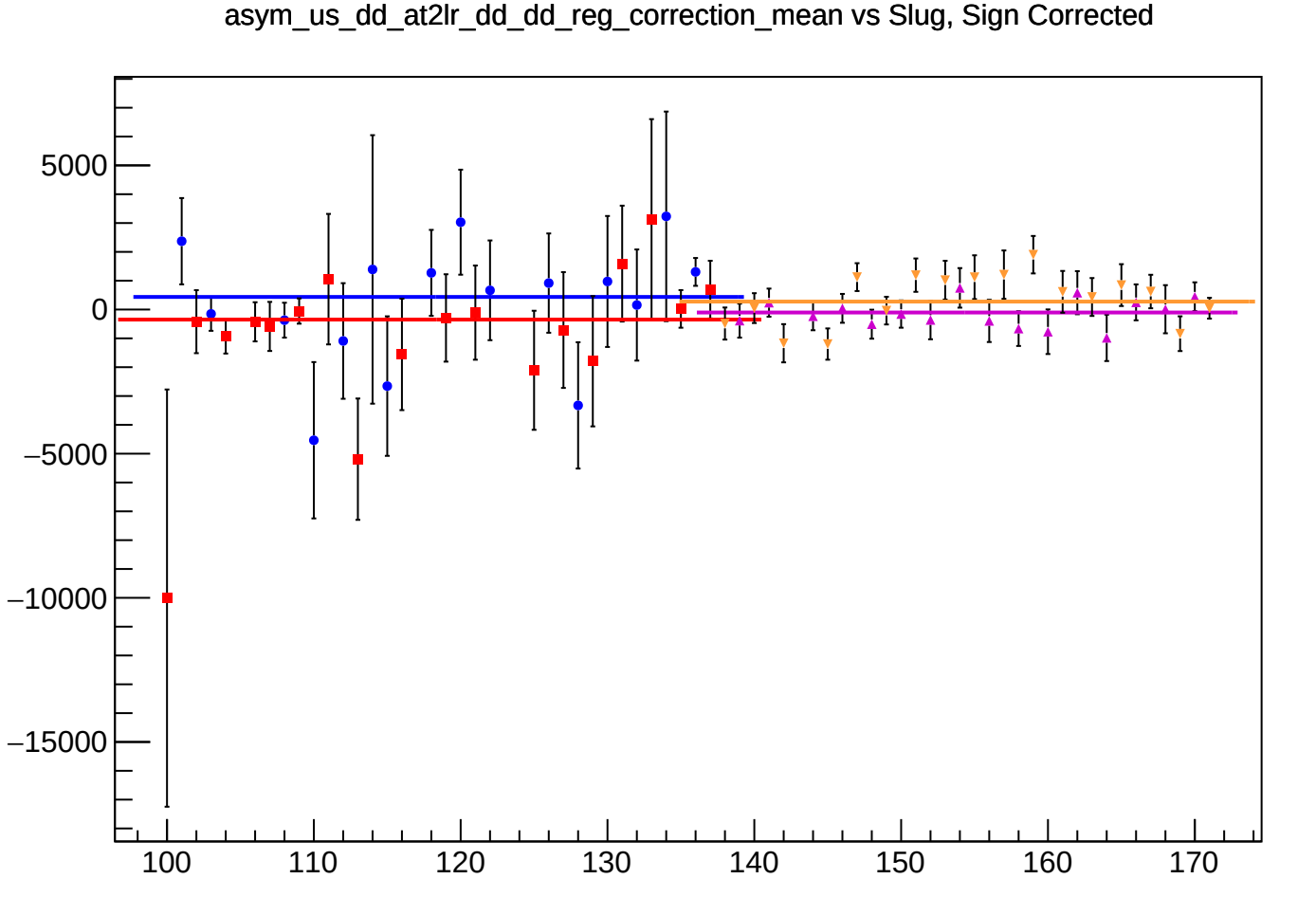
Left: 1590.529+/-0.218 χ^2/NDF: 173868.6/32

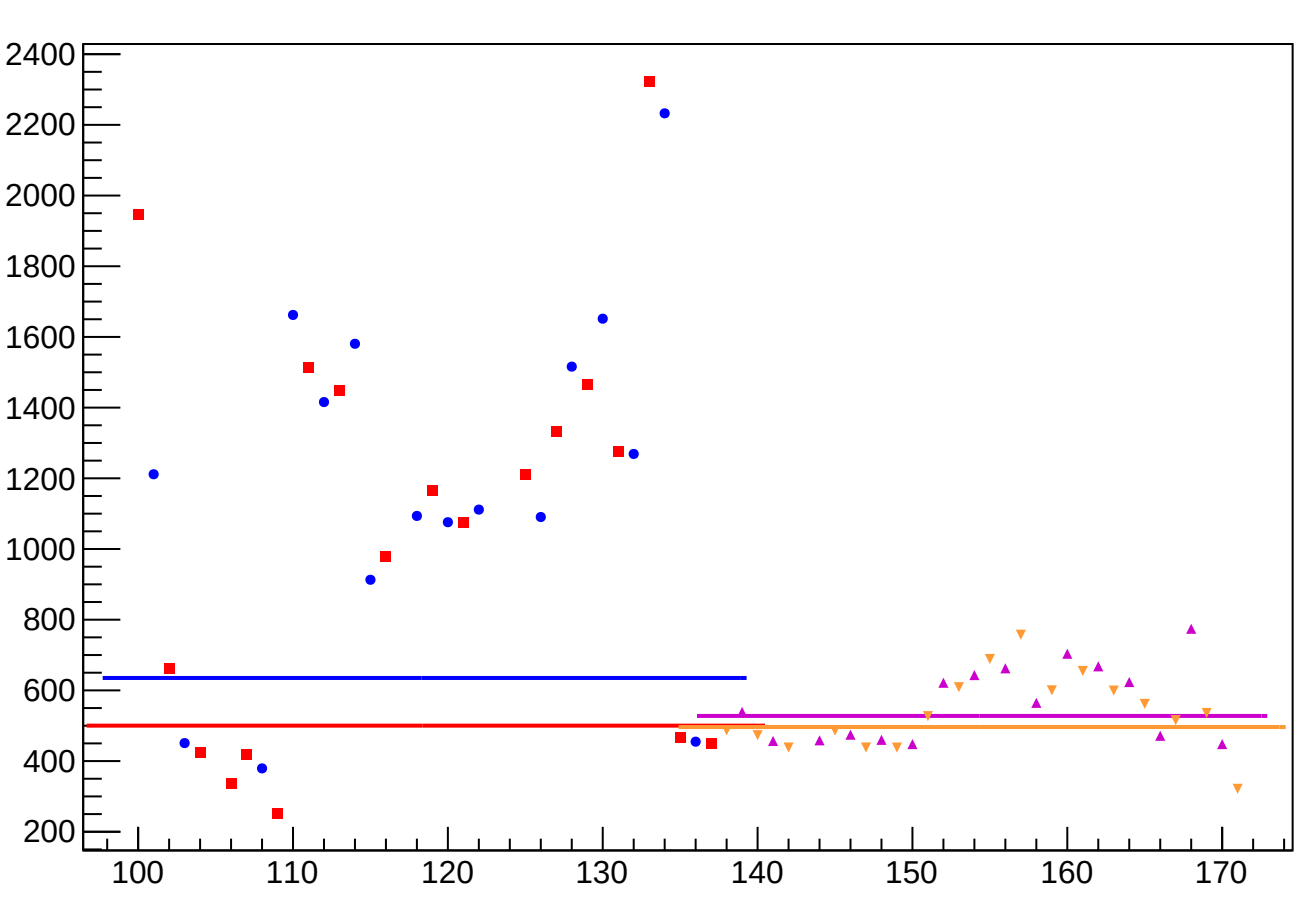
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

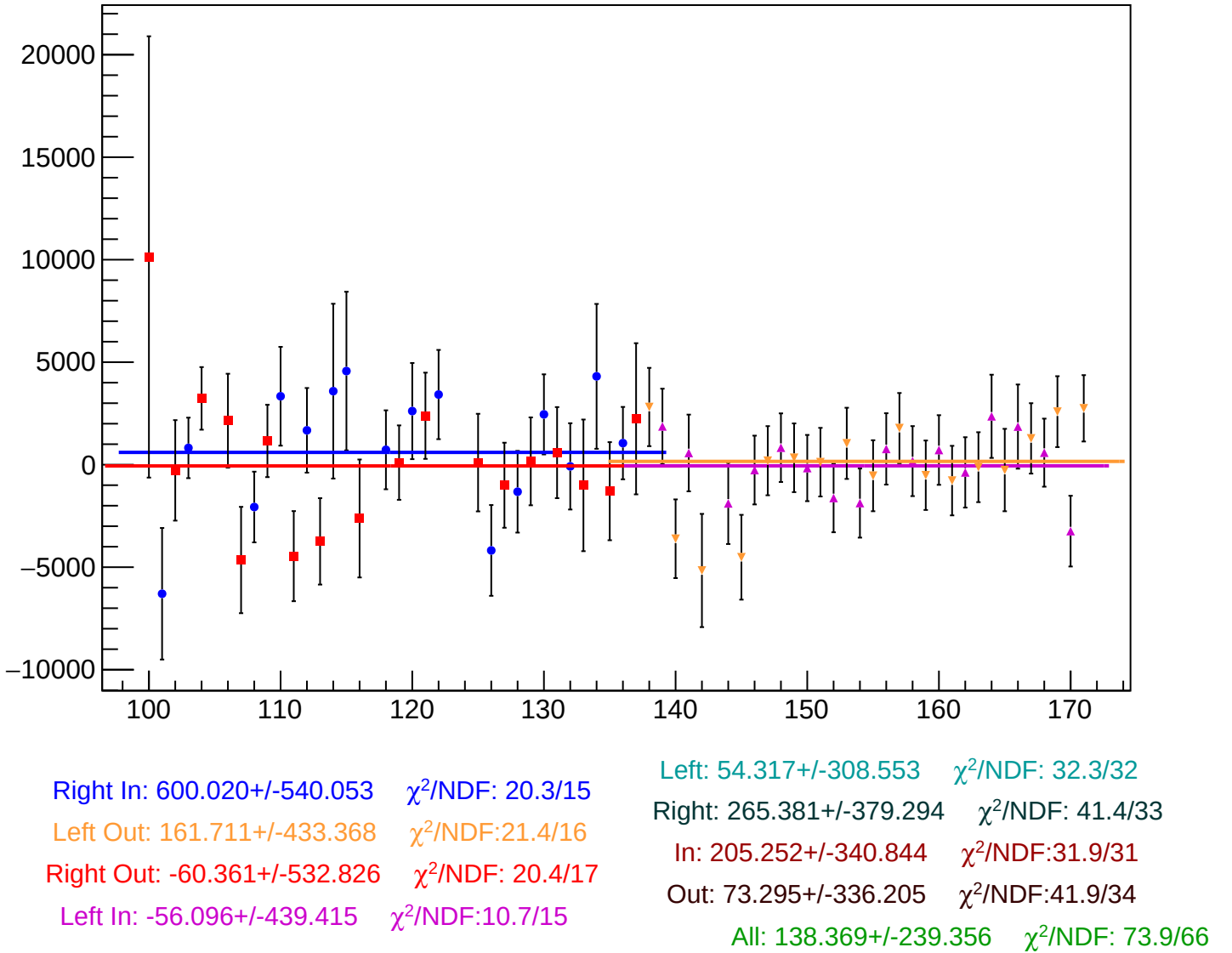
In: 1526.494+/-0.241 χ^2/NDF:760539.3/31

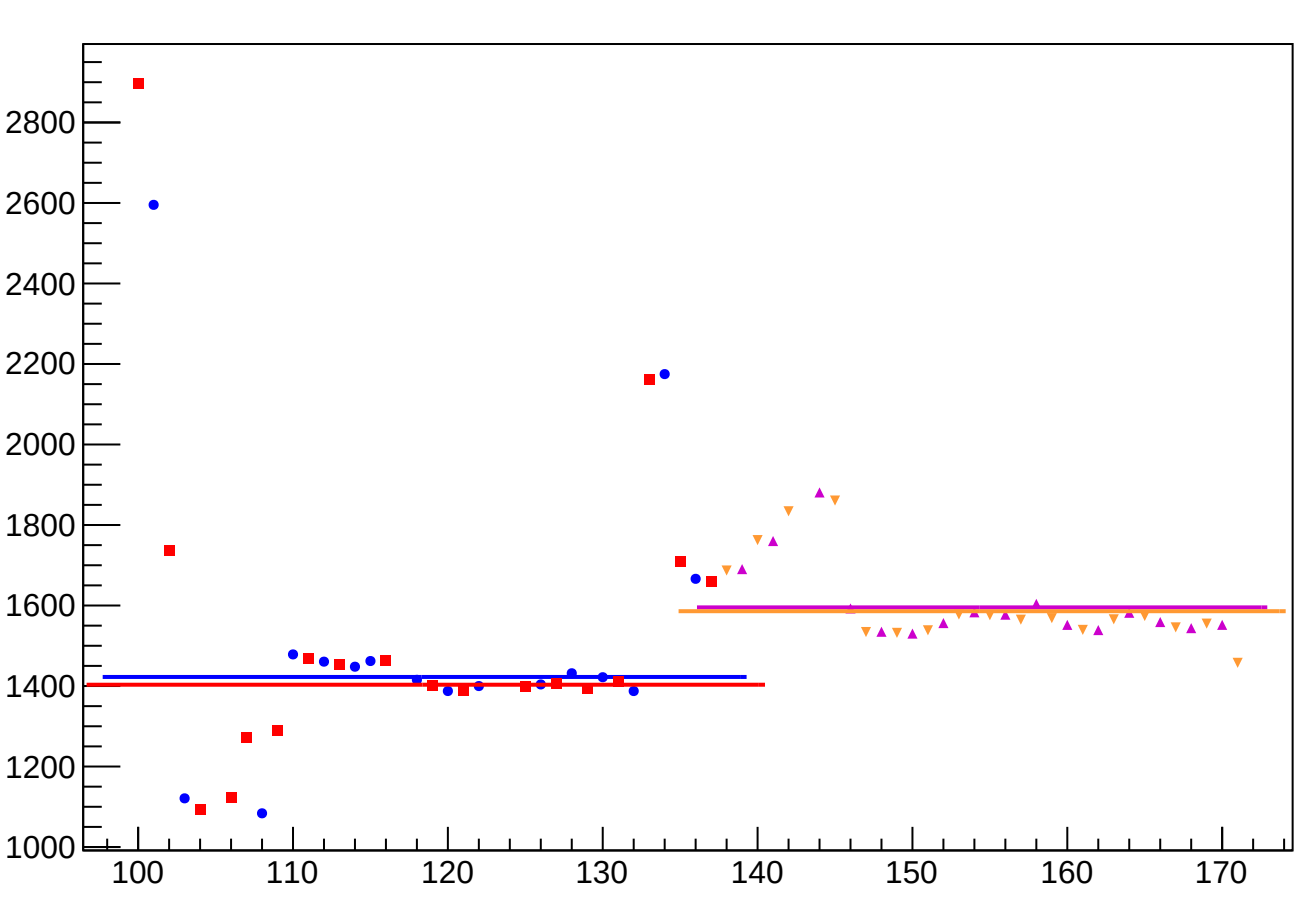
Out: 1509.086+/-0.237 χ^2/NDF:646722.4/34

All: 1517.654+/-0.169 χ^2/NDF: 1409910.8/66


asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 436.509+/-275.917 χ²/NDF: 19.3/15
Left Out: 275.835+/-139.322 χ²/NDF:35.3/16
Right Out: -348.567+/-233.745 χ²/NDF: 13.9/17
Left In: -103.218+/-147.885 χ²/NDF:8.6/15
Left: 97.599+/-101.408 χ²/NDF: 47.3/32
Right: -20.548+/-178.349 χ²/NDF: 38.0/33
In: 17.229+/-130.343 χ²/NDF:30.9/31
Out: 112.154+/-119.676 χ²/NDF:54.5/34
All: 68.734+/-88.154 χ²/NDF: 85.7/66


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 635.135+/-0.195 χ²/NDF: 3752583.4/15
Left Out: 496.313+/-0.099 χ²/NDF:1155356.8/16
Right Out: 500.231+/-0.165 χ²/NDF: 4309093.1/17
Left In: 527.709+/-0.105 χ²/NDF:813620.3/15
Left: 511.076+/-0.072 χ²/NDF: 2016732.2/32
Right: 556.596+/-0.126 χ²/NDF: 8340019.1/33
In: 551.682+/-0.092 χ²/NDF:4801721.1/31
Out: 497.340+/-0.085 χ²/NDF:5464864.5/34
All: 522.197+/-0.062 χ²/NDF: 10455207.6/66


cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 161.711+/-433.368 χ²/NDF:21.4/16
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -56.096+/-439.415 χ²/NDF:10.7/15
Left: 54.317+/-308.553 χ²/NDF: 32.3/32
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 205.252+/-340.844 χ²/NDF:31.9/31
Out: 73.295+/-336.205 χ²/NDF:41.9/34
All: 138.369+/-239.356 χ²/NDF: 73.9/66



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: 1595.330+/-0.311 χ^2/NDF:77058.8/15

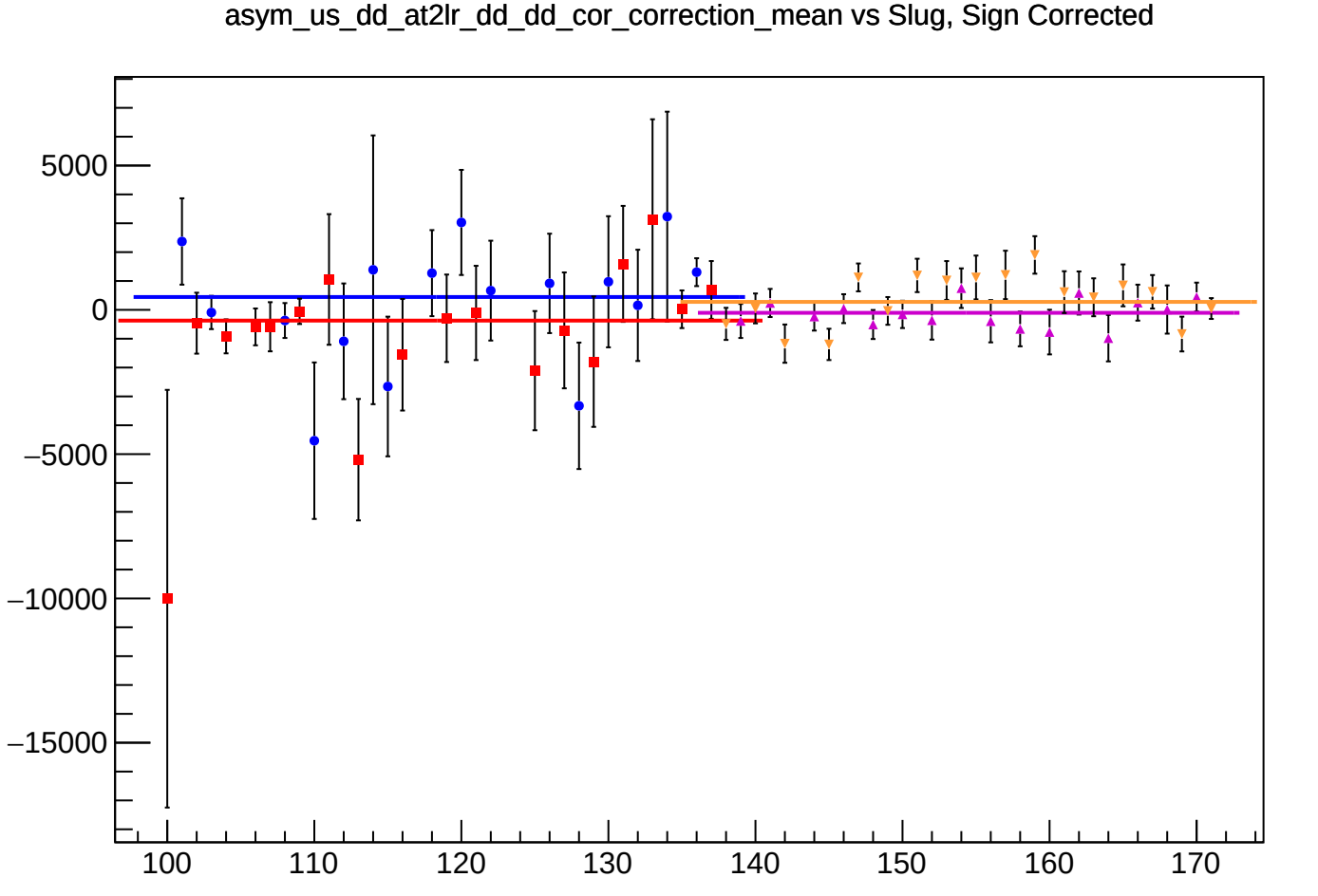
Left: 1590.529+/-0.218 χ^2/NDF: 173868.6/32

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

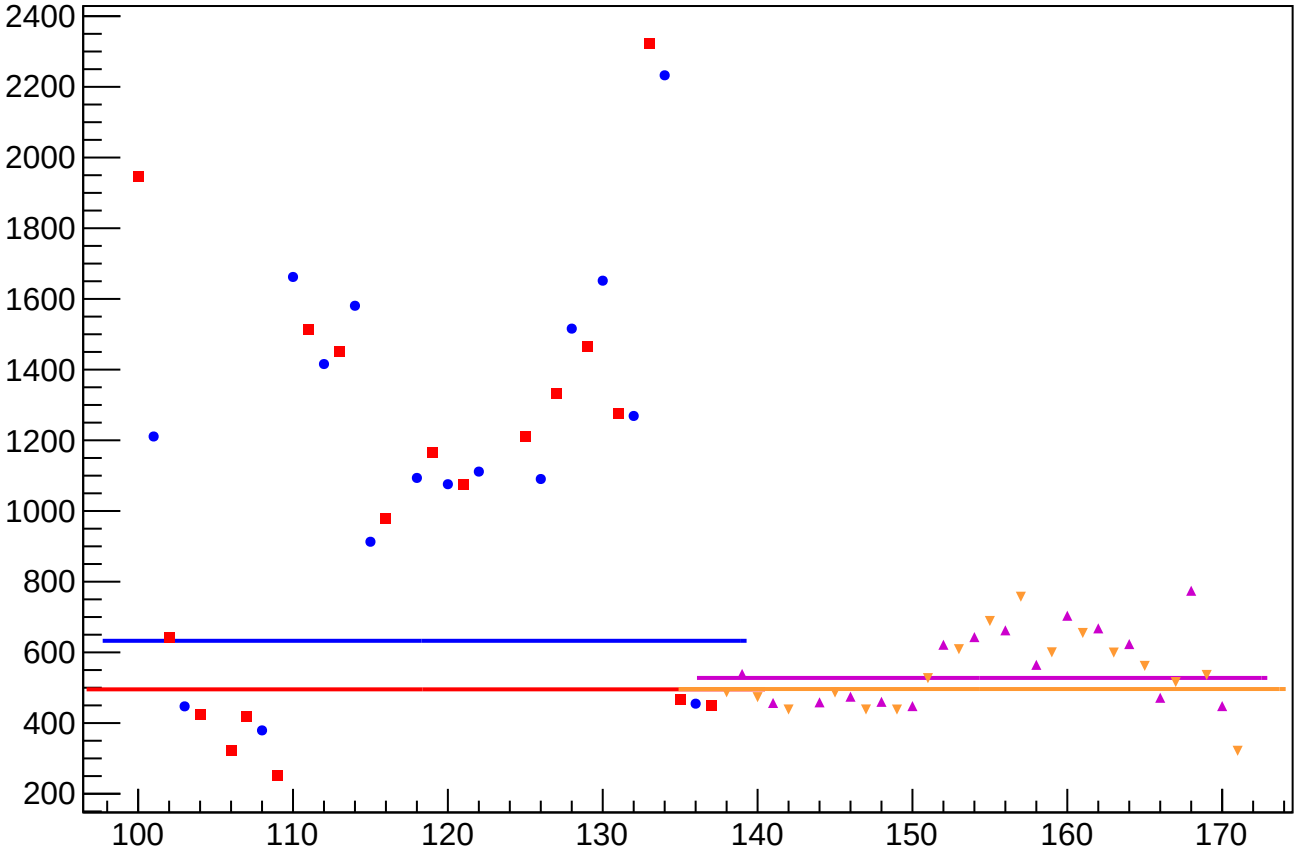
In: 1526.493+/-0.241 χ^2/NDF:760539.6/31

Out: 1513.142+/-0.238 χ^2/NDF:596882.8/34

All: 1519.727+/-0.169 χ^2/NDF: 1358977.8/66


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: -103.281+/-147.883 χ²/NDF:8.6/15
Left: 97.590+/-101.408 χ²/NDF: 47.3/32
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: 19.916+/-130.217 χ²/NDF:30.9/31
Out: 103.310+/-119.353 χ²/NDF:55.1/34
All: 65.237+/-87.986 χ²/NDF: 86.1/66

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: 527.704+/-0.105 χ^2/NDF:813665.9/15

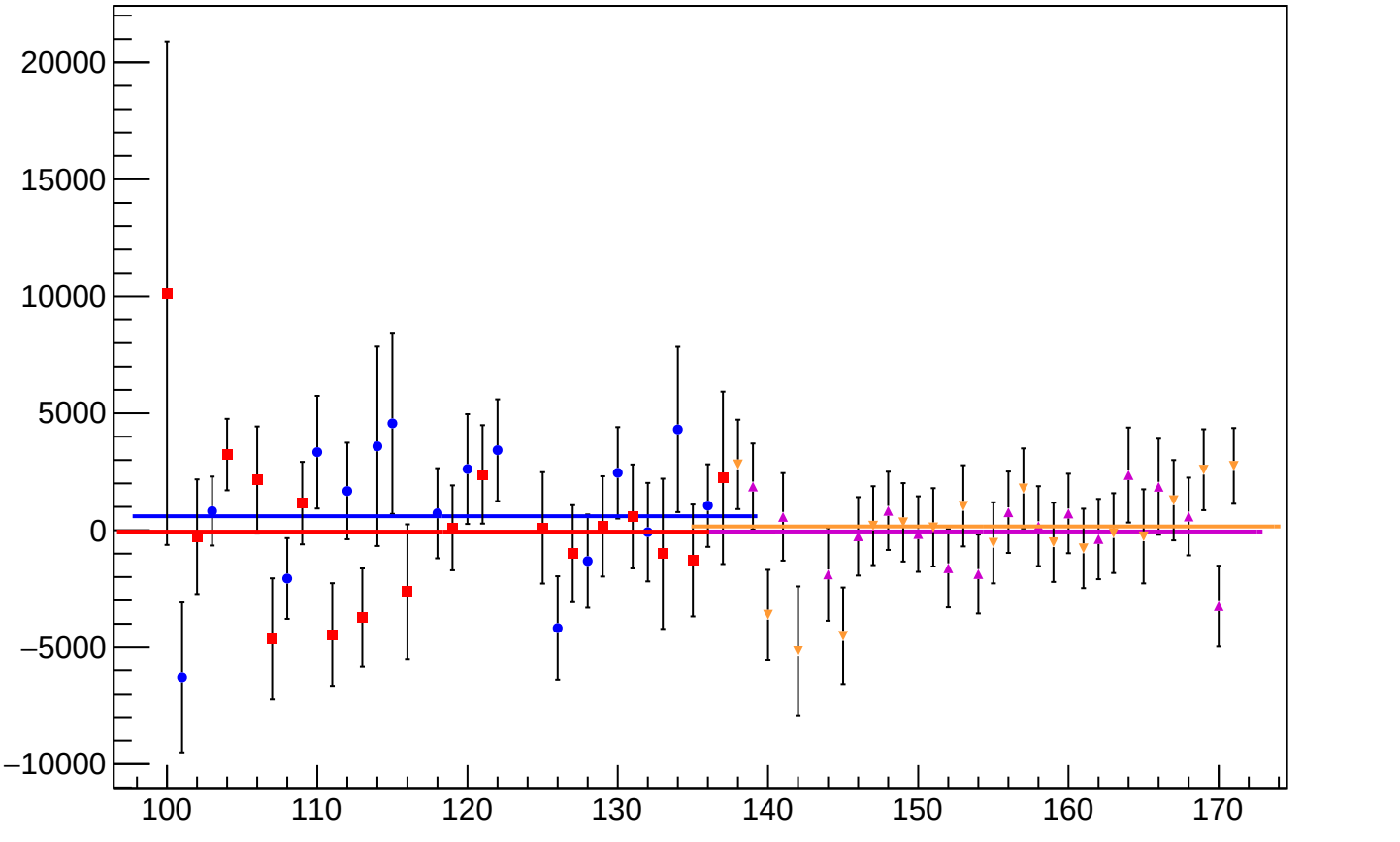
Left: 511.079+/-0.072 χ^2/NDF: 2016664.7/32

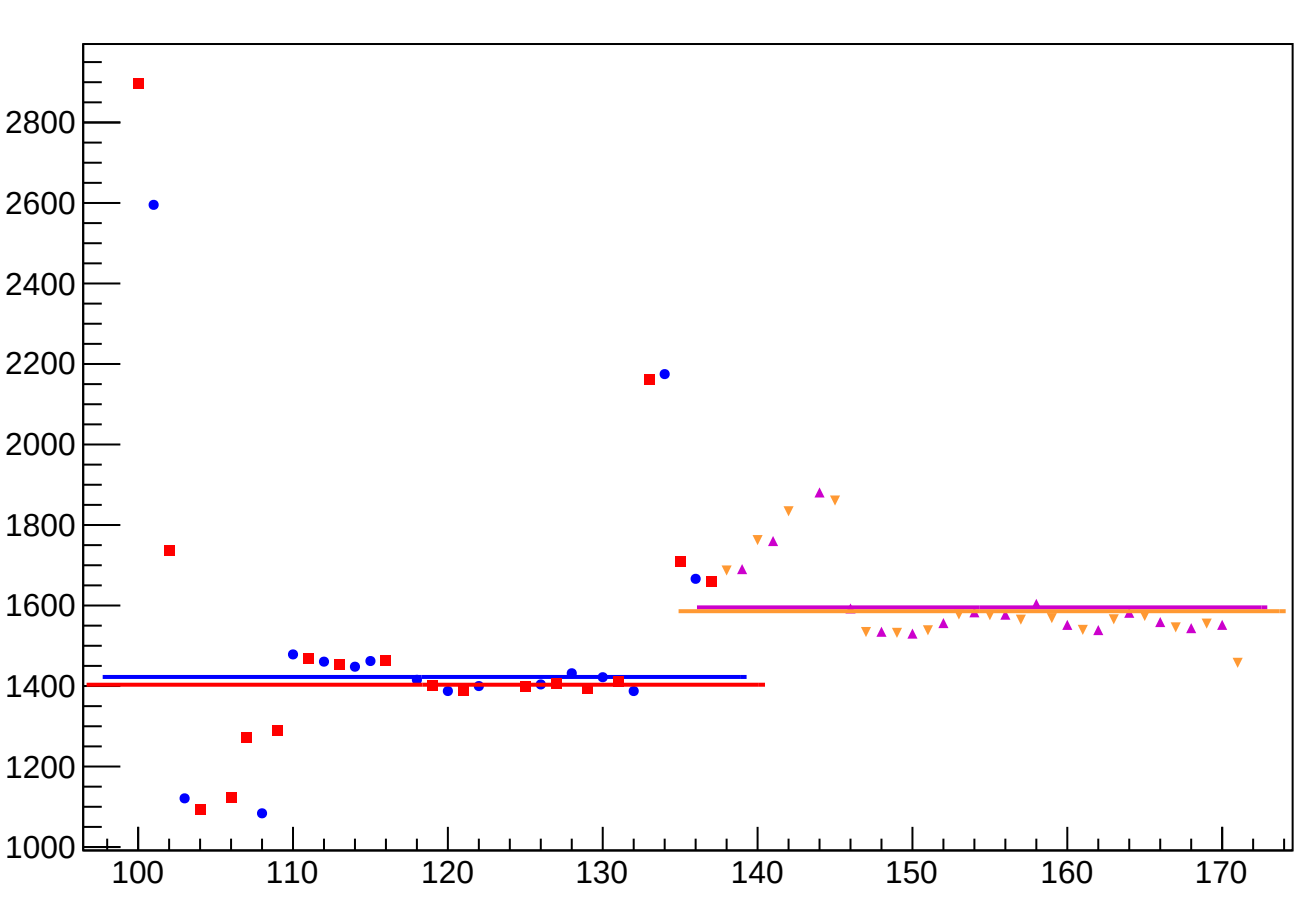
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 551.303+/-0.092 χ^2/NDF:4808110.9/31

Out: 496.071+/-0.084 χ^2/NDF:5492794.6/34

All: 521.287+/-0.062 χ^2/NDF: 10496441.8/66


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 161.711+/-433.368 χ²/NDF:21.4/16
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: -56.096+/-439.415 χ²/NDF:10.7/15
Left: 54.317+/-308.553 χ²/NDF: 32.3/32
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 205.252+/-340.844 χ²/NDF:31.9/31
Out: 73.295+/-336.205 χ²/NDF:41.9/34
All: 138.369+/-239.356 χ²/NDF: 73.9/66



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: 1595.330+/-0.311 χ^2/NDF:77058.8/15

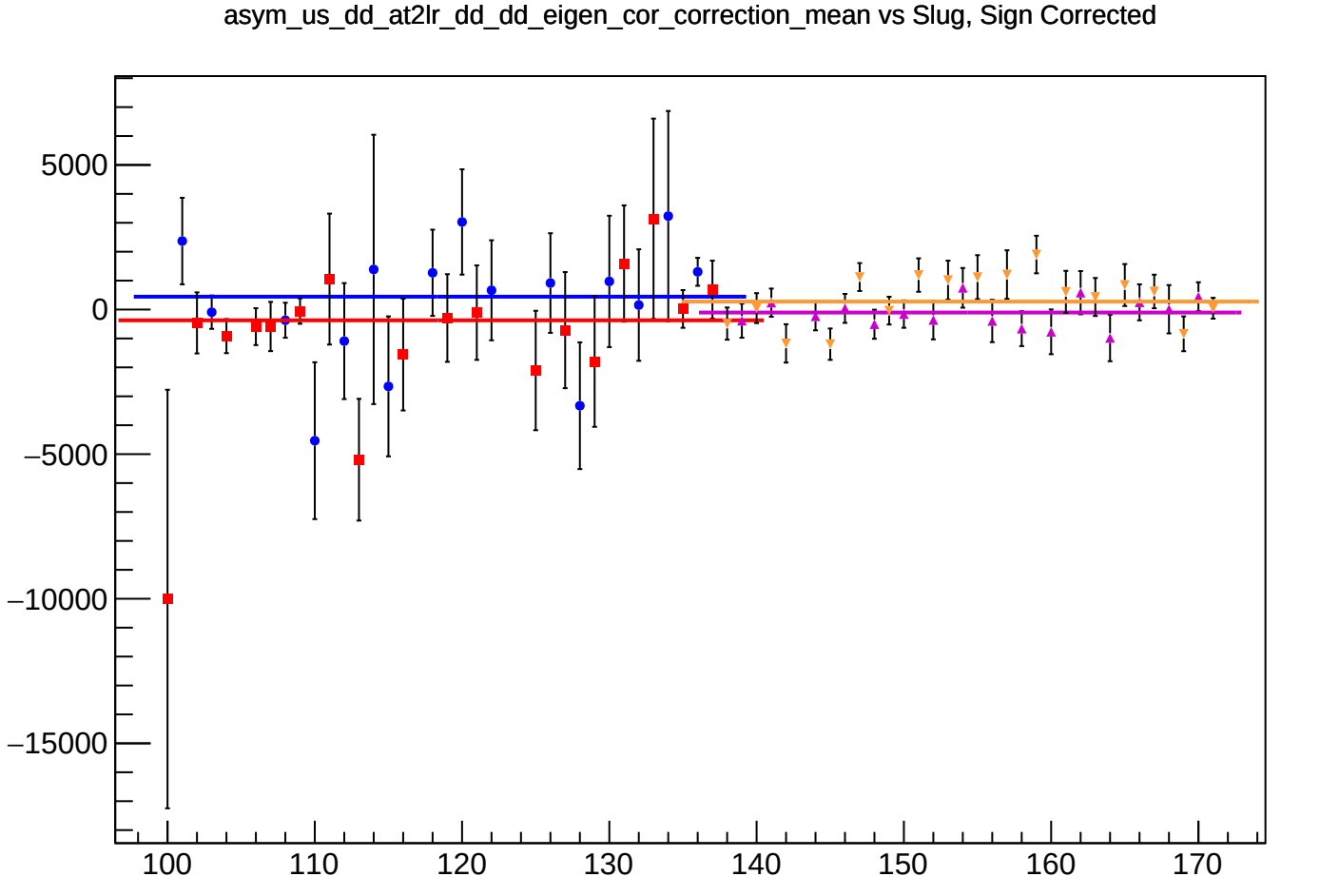
Left: 1590.529+/-0.218 χ^2/NDF: 173868.6/32

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

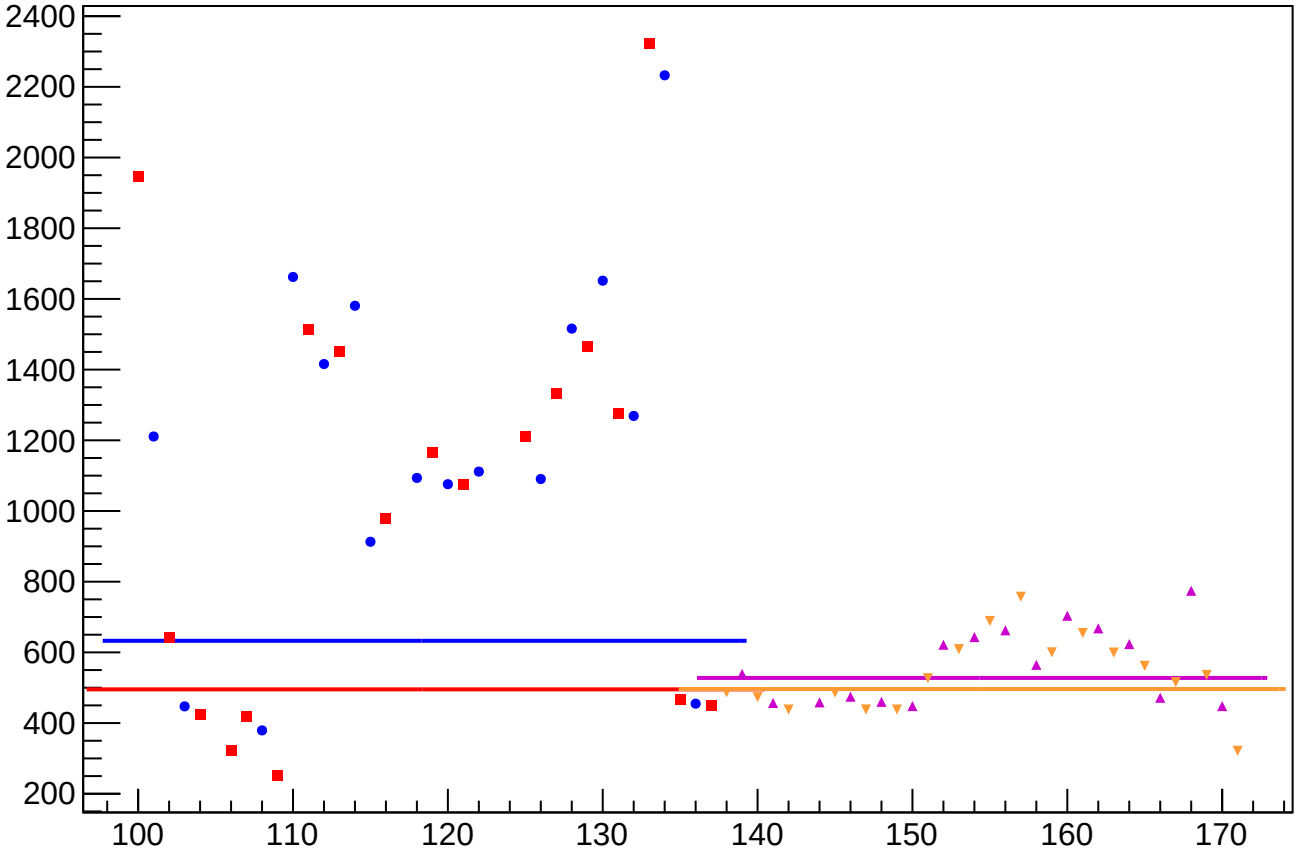
In: 1526.493+/-0.241 χ^2/NDF:760539.6/31

Out: 1513.142+/-0.238 χ^2/NDF:596882.8/34

All: 1519.727+/-0.169 χ^2/NDF: 1358977.8/66


asym_us_dd_at2lr_dd_dd_eigen_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: -103.281+/-147.883 χ²/NDF:8.6/15
Left: 97.590+/-101.408 χ²/NDF: 47.3/32
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: 19.916+/-130.217 χ²/NDF:30.9/31
Out: 103.310+/-119.353 χ²/NDF:55.1/34
All: 65.237+/-87.986 χ²/NDF: 86.1/66

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: 527.704+/-0.105 χ^2/NDF:813665.9/15

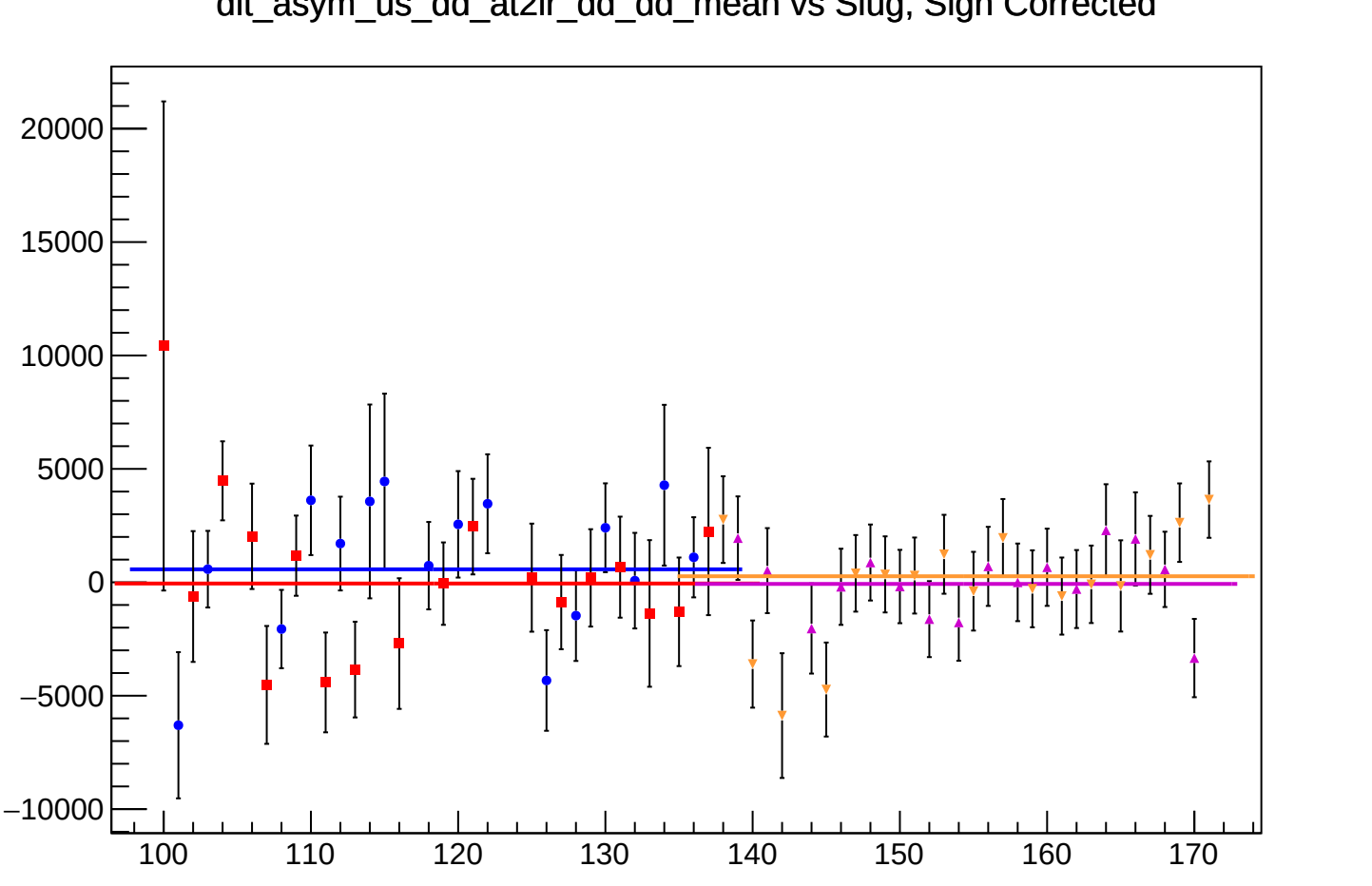
Left: 511.079+/-0.072 χ^2/NDF: 2016664.7/32

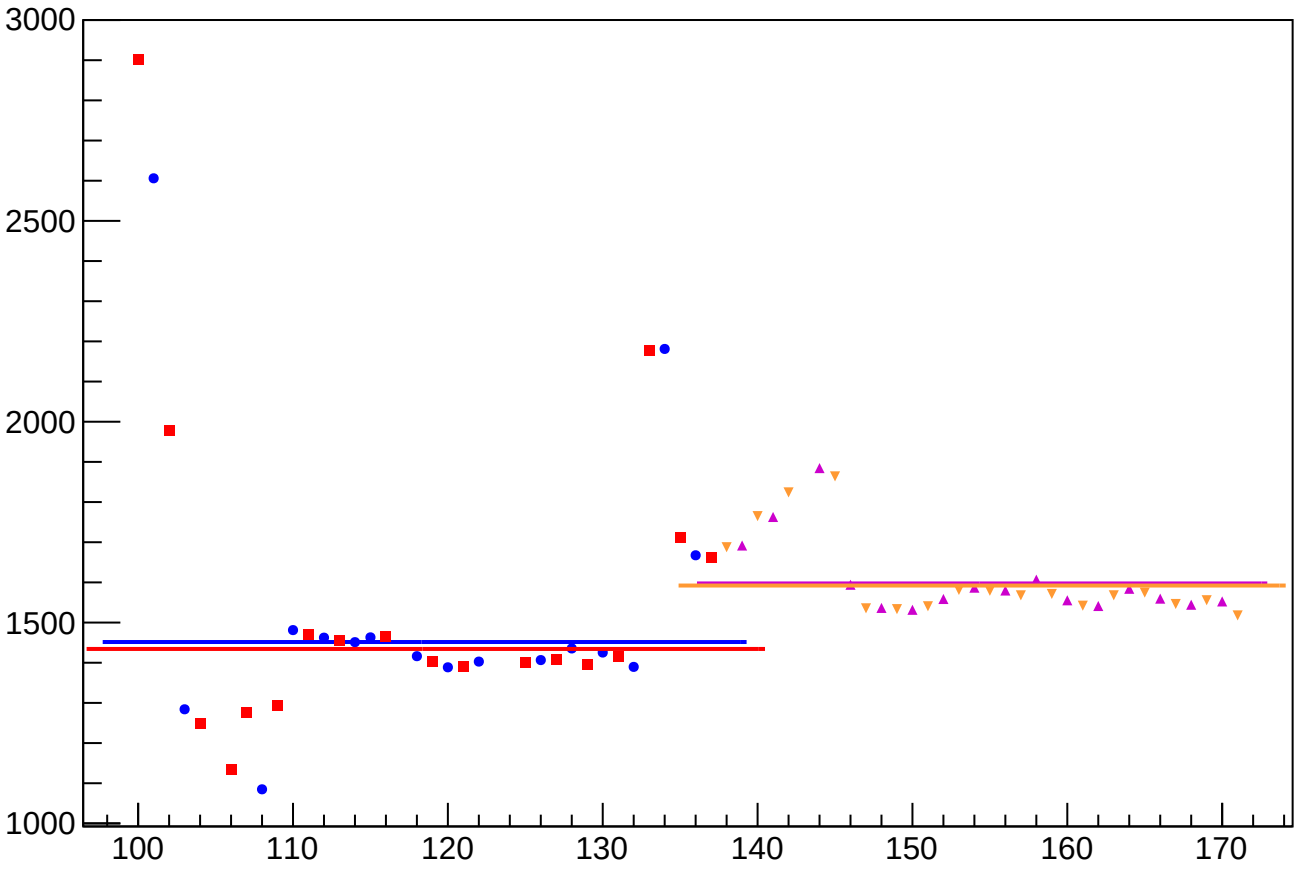
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 551.303+/-0.092 χ^2/NDF:4808110.9/31

Out: 496.071+/-0.084 χ^2/NDF:5492794.6/34

All: 521.287+/-0.062 χ^2/NDF: 10496441.8/66


dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.289+/-549.638 χ²/NDF: 20.8/15
Left Out: 266.255+/-435.021 χ²/NDF:24.7/16
Right Out: -53.754+/-545.353 χ²/NDF: 22.5/17
Left In: -72.097+/-439.992 χ²/NDF:10.9/15
Left: 99.001+/-309.349 χ²/NDF: 35.9/32
Right: 256.817+/-387.129 χ²/NDF: 43.9/33
In: 179.567+/-343.490 χ²/NDF:32.5/31
Out: 141.814+/-340.078 χ²/NDF:47.4/34
All: 160.502+/-241.669 χ²/NDF: 79.9/66



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: 1597.403+/-0.311 χ^2/NDF:77507.1/15

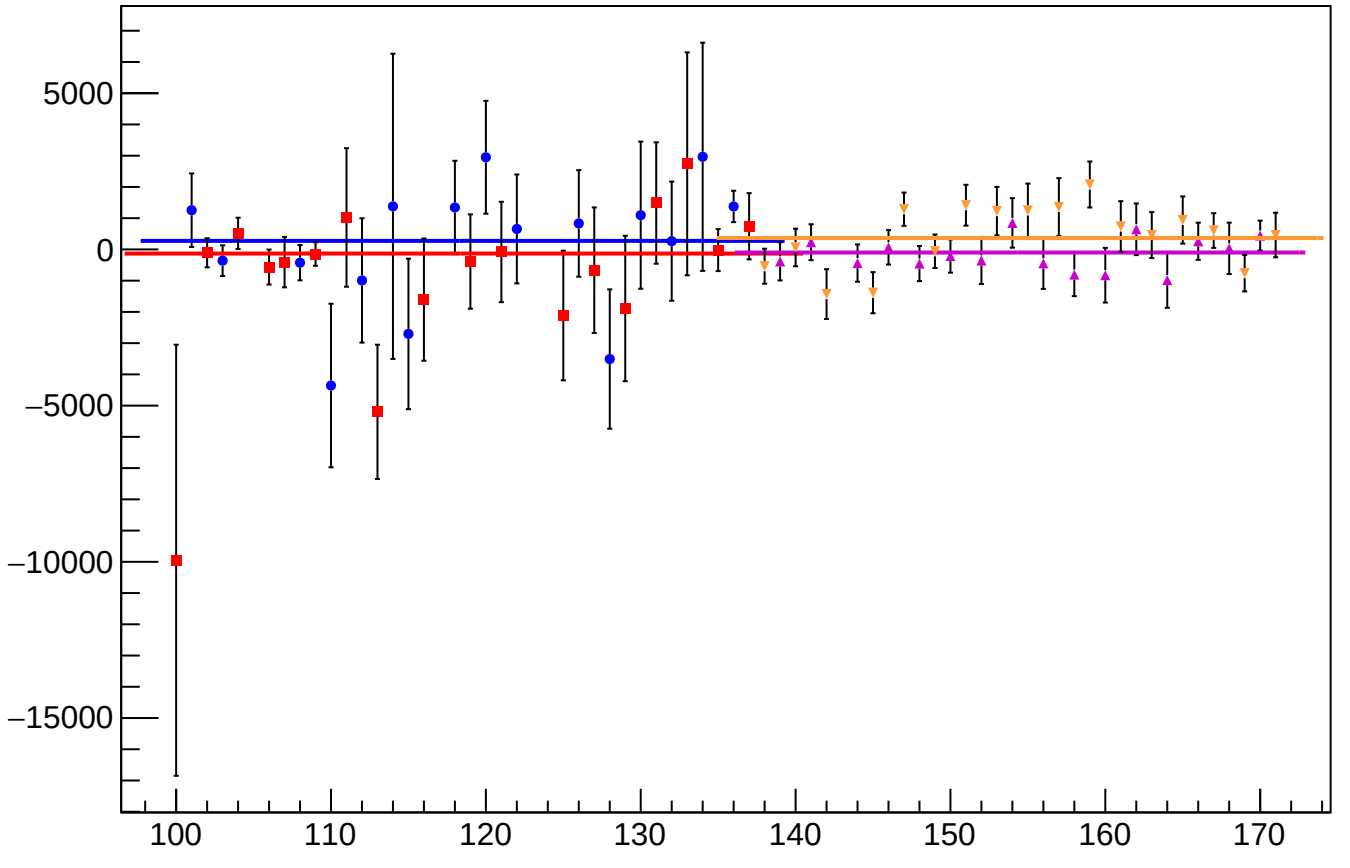
Left: 1594.768+/-0.219 χ^2/NDF: 163469.3/32

Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1540.452+/-0.243 χ^2/NDF:651141.4/31

Out: 1530.801+/-0.240 χ^2/NDF:516838.7/34

All: 1535.578+/-0.171 χ^2/NDF: 1168777.3/66



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: -99.325+/-161.808 χ^2/NDF:8.3/15

Left: 133.855+/-114.212 χ^2/NDF: 47.2/32

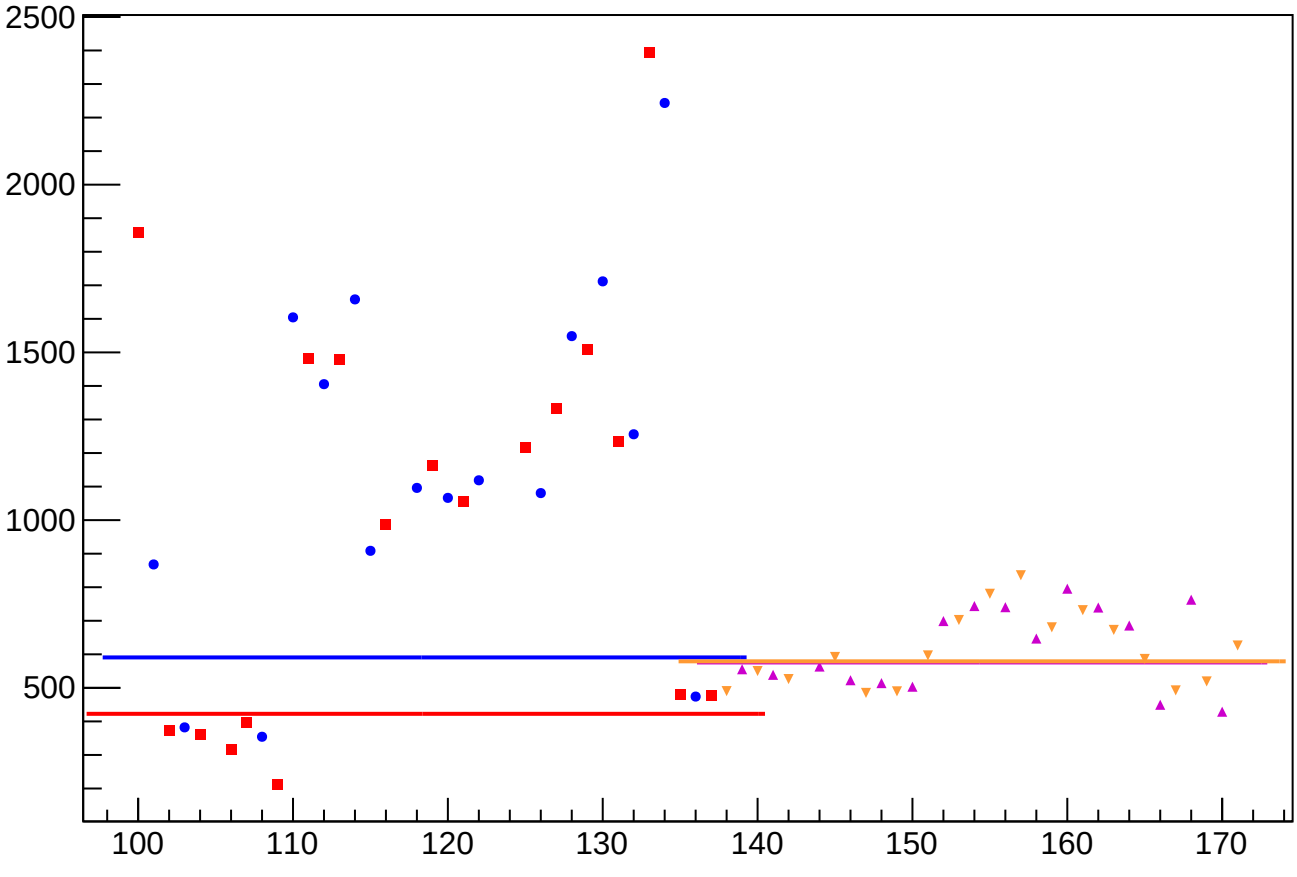
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: 4.433+/-137.456 χ^2/NDF:30.0/31

Out: 164.331+/-124.500 χ^2/NDF:53.0/34

All: 92.271+/-92.276 χ^2/NDF: 83.8/66

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: 575.734+/-0.114 χ^2/NDF:954694.8/15

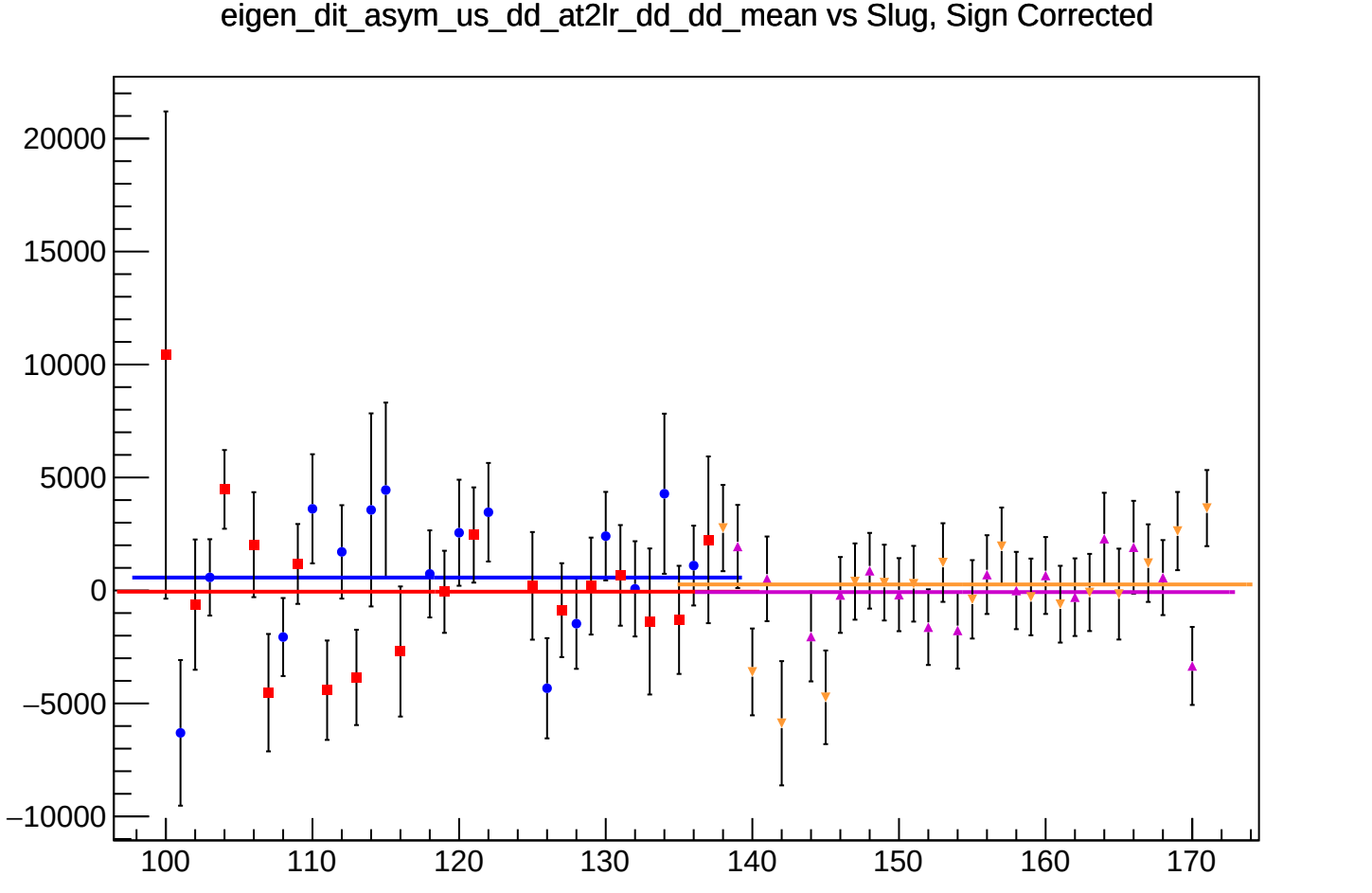
Left: 577.426+/-0.081 χ^2/NDF: 1673104.9/32

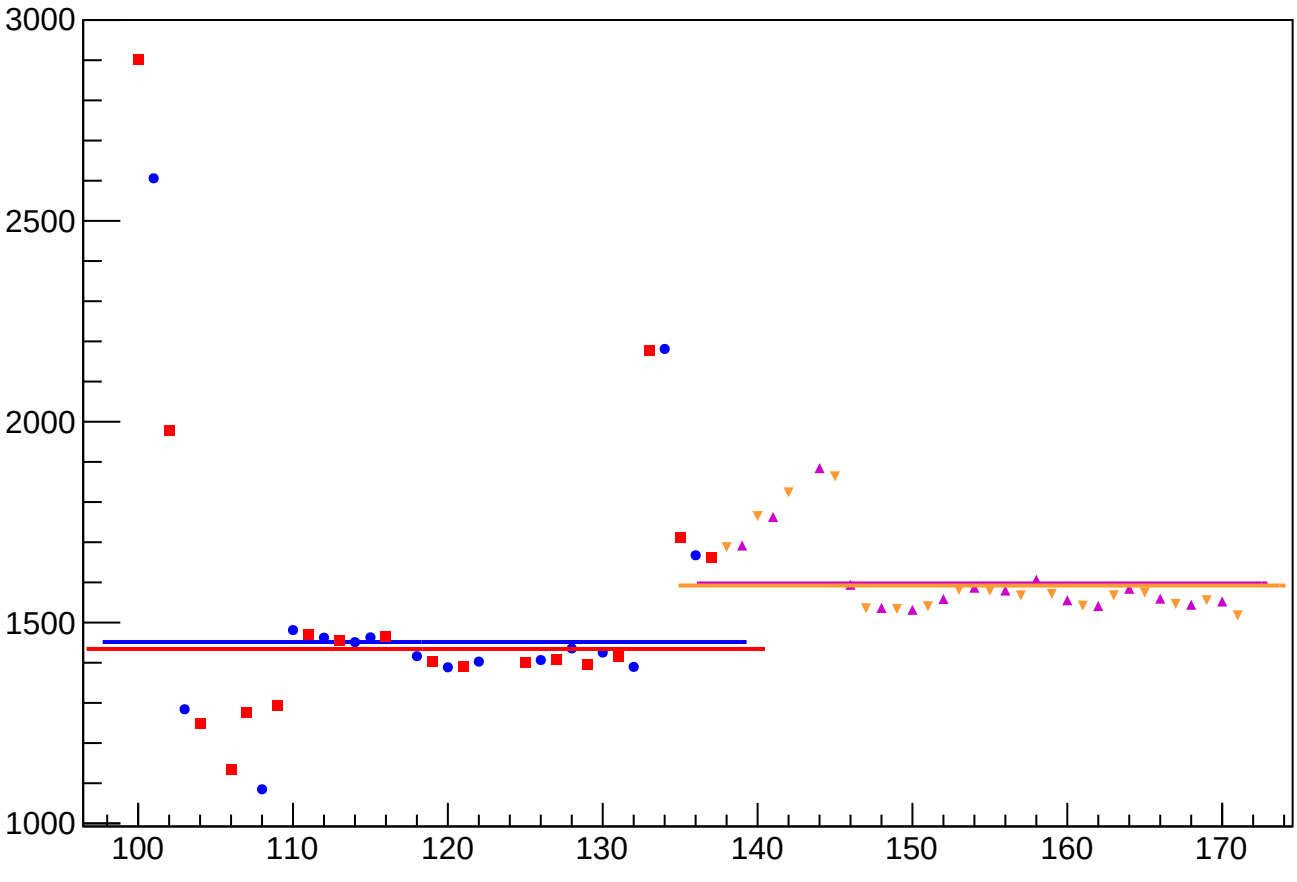
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 579.913+/-0.097 χ^2/NDF:4844990.5/31

Out: 515.927+/-0.088 χ^2/NDF:6336552.7/34

All: 544.763+/-0.065 χ^2/NDF: 11419622.5/66


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 266.249+/-435.021 χ²/NDF:24.7/16
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: -72.095+/-439.992 χ²/NDF:10.9/15
Left: 98.999+/-309.349 χ²/NDF: 35.9/32
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 179.568+/-343.490 χ²/NDF:32.5/31
Out: 141.811+/-340.078 χ²/NDF:47.4/34
All: 160.501+/-241.669 χ²/NDF: 79.9/66



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: 1597.403+/-0.311 χ^2/NDF:77507.3/15

Left: 1594.768+/-0.219 χ^2/NDF: 163470.1/32

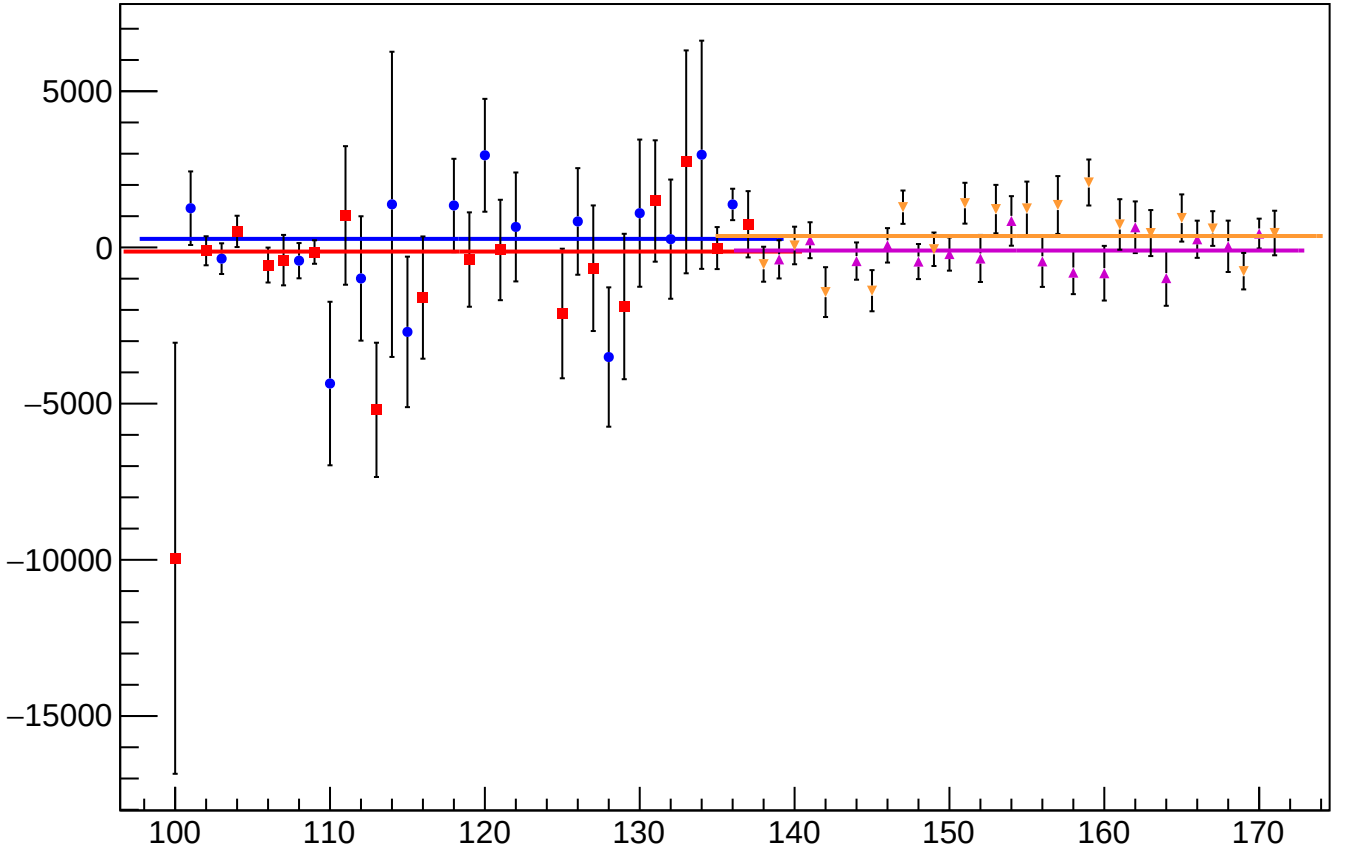
Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1540.452+/-0.243 χ^2/NDF:651141.1/31

Out: 1530.801+/-0.240 χ^2/NDF:516839.1/34

All: 1535.578+/-0.171 χ^2/NDF: 1168777.5/66

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: -99.326+/-161.808 χ^2/NDF:8.3/15

Left: 133.858+/-114.212 χ^2/NDF: 47.2/32

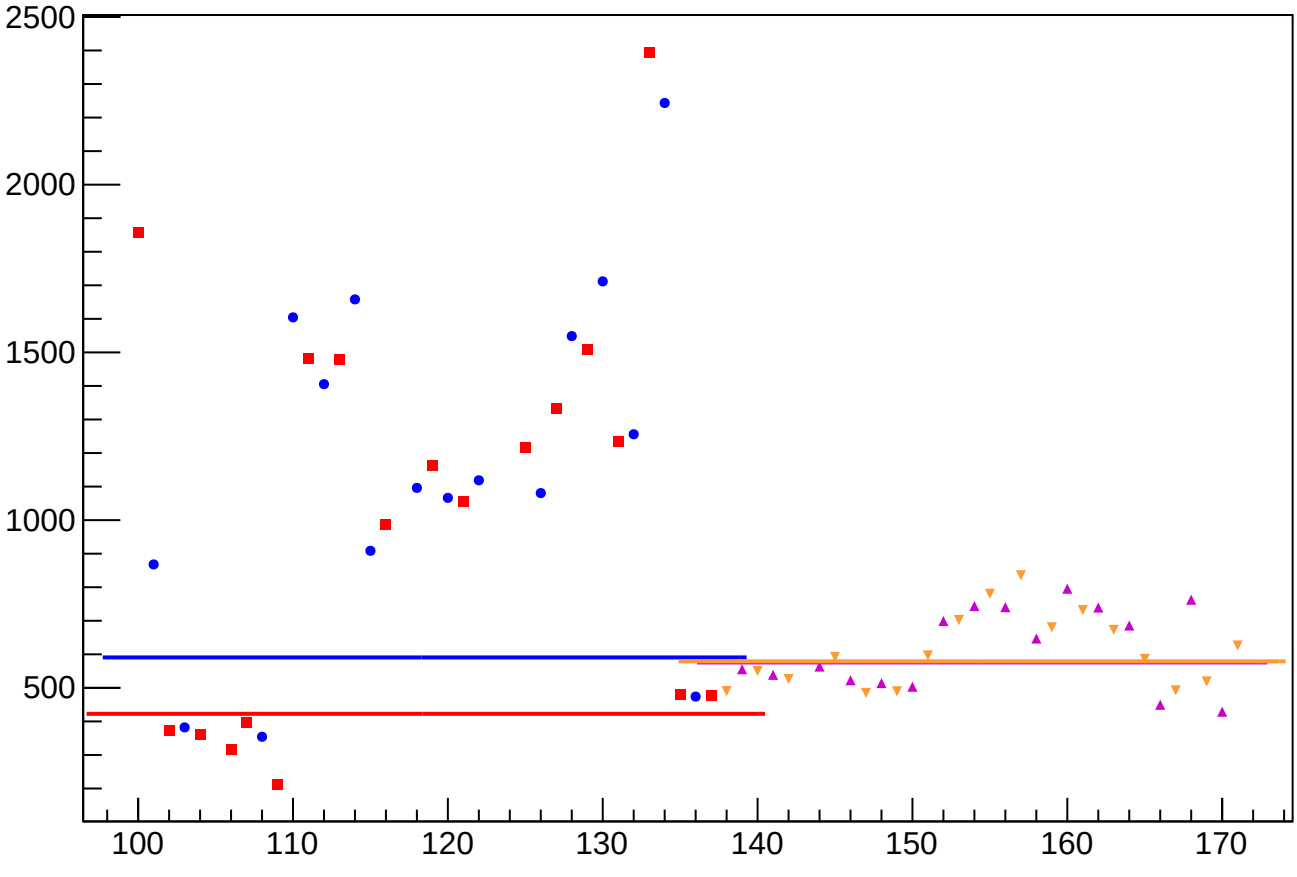
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: 4.430+/-137.456 χ^2/NDF:30.0/31

Out: 164.339+/-124.500 χ^2/NDF:53.0/34

All: 92.274+/-92.276 χ^2/NDF: 83.8/66

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: 575.735+/-0.114 χ^2/NDF:954705.5/15

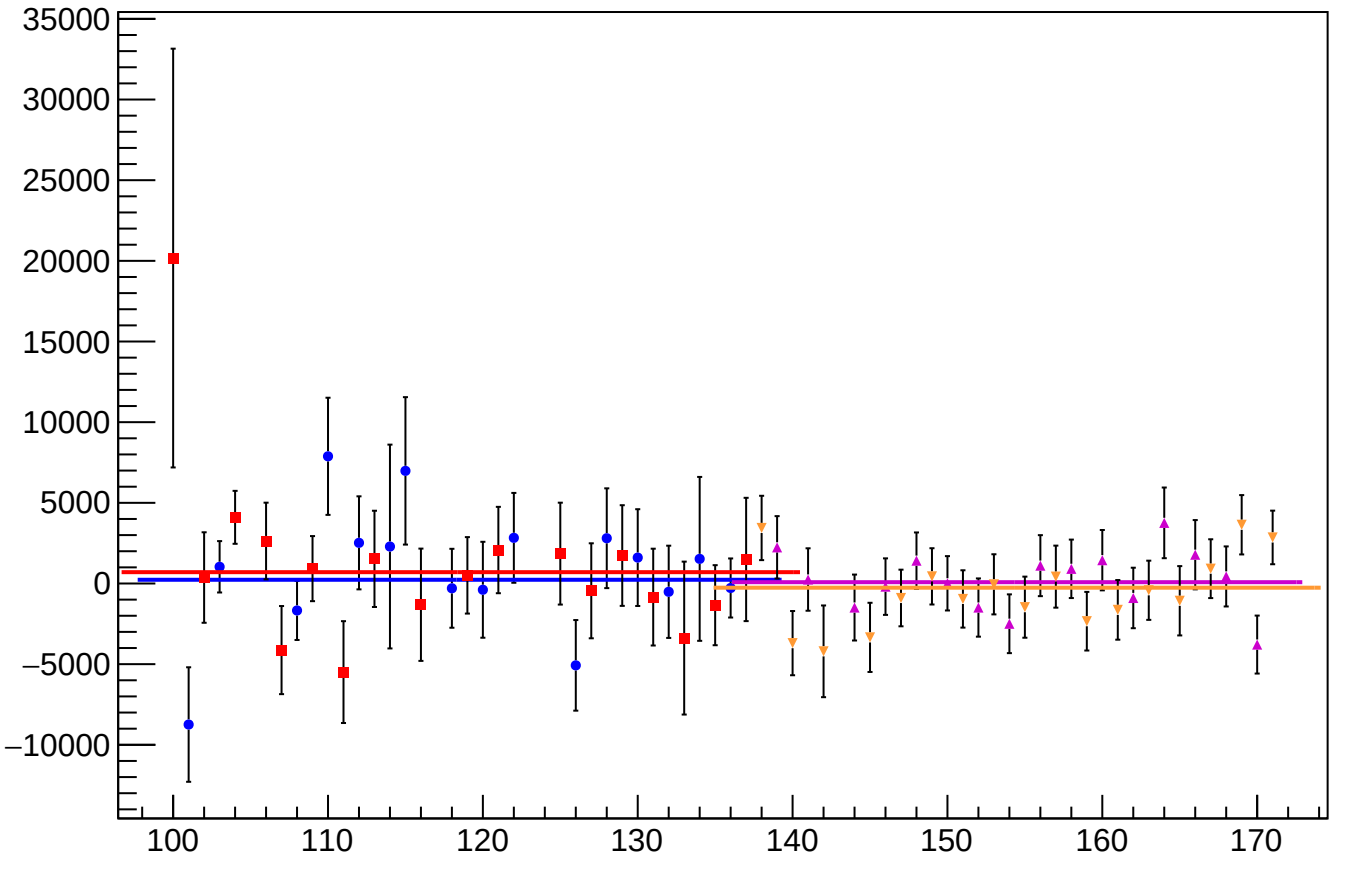
Left: 577.427+/-0.081 χ^2/NDF: 1673099.8/32

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 579.913+/-0.097 χ^2/NDF:4845028.0/31

Out: 515.931+/-0.088 χ^2/NDF:6336410.9/34

All: 544.765+/-0.065 χ^2/NDF: 11419489.3/66



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: 80.957+/-468.024 χ^2/NDF:14.6/15

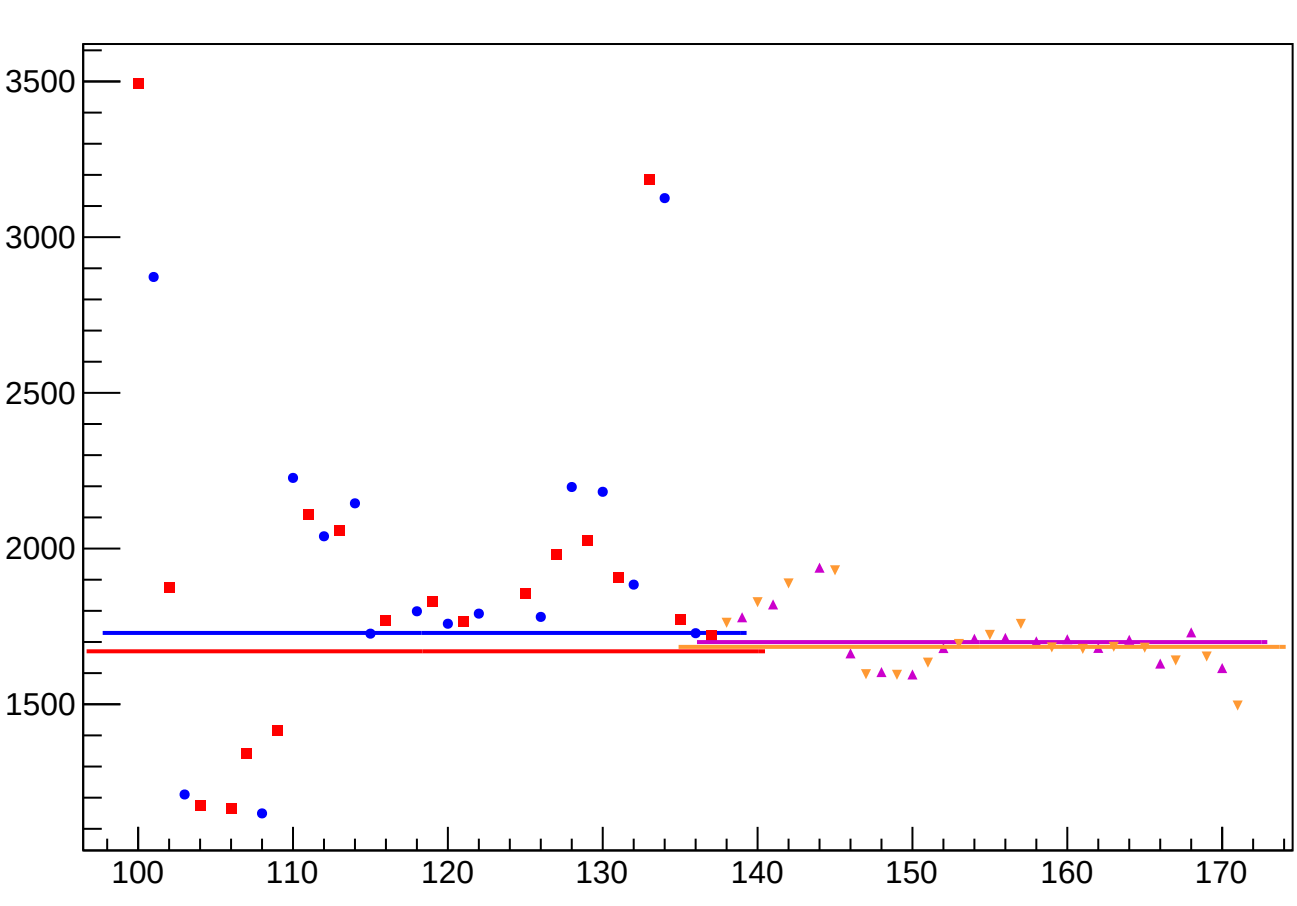
Left: -92.638+/-328.163 χ^2/NDF: 36.8/32

Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 130.456+/-382.973 χ^2/NDF:35.4/31

Out: 62.114+/-375.300 χ^2/NDF:40.3/34

All: 95.594+/-268.049 χ^2/NDF: 75.8/66



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: 1699.683+/-0.331 χ^2/NDF:60701.8/15

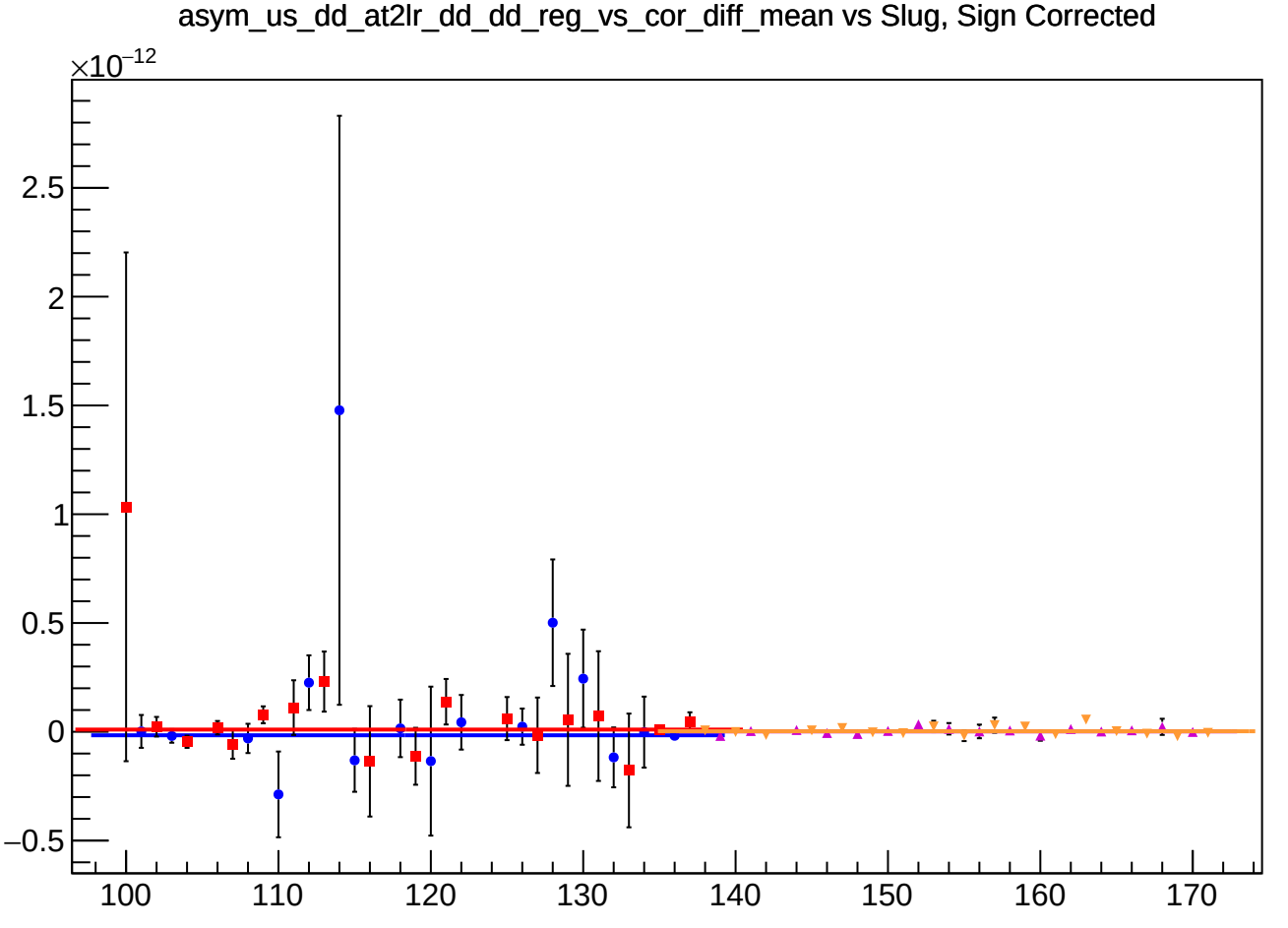
Left: 1691.860+/-0.232 χ^2/NDF: 154968.4/32

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1709.386+/-0.271 χ^2/NDF:1005382.8/31

Out: 1679.524+/-0.265 χ^2/NDF:838261.1/34

All: 1694.153+/-0.190 χ^2/NDF: 1849847.1/66



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:7.4/15

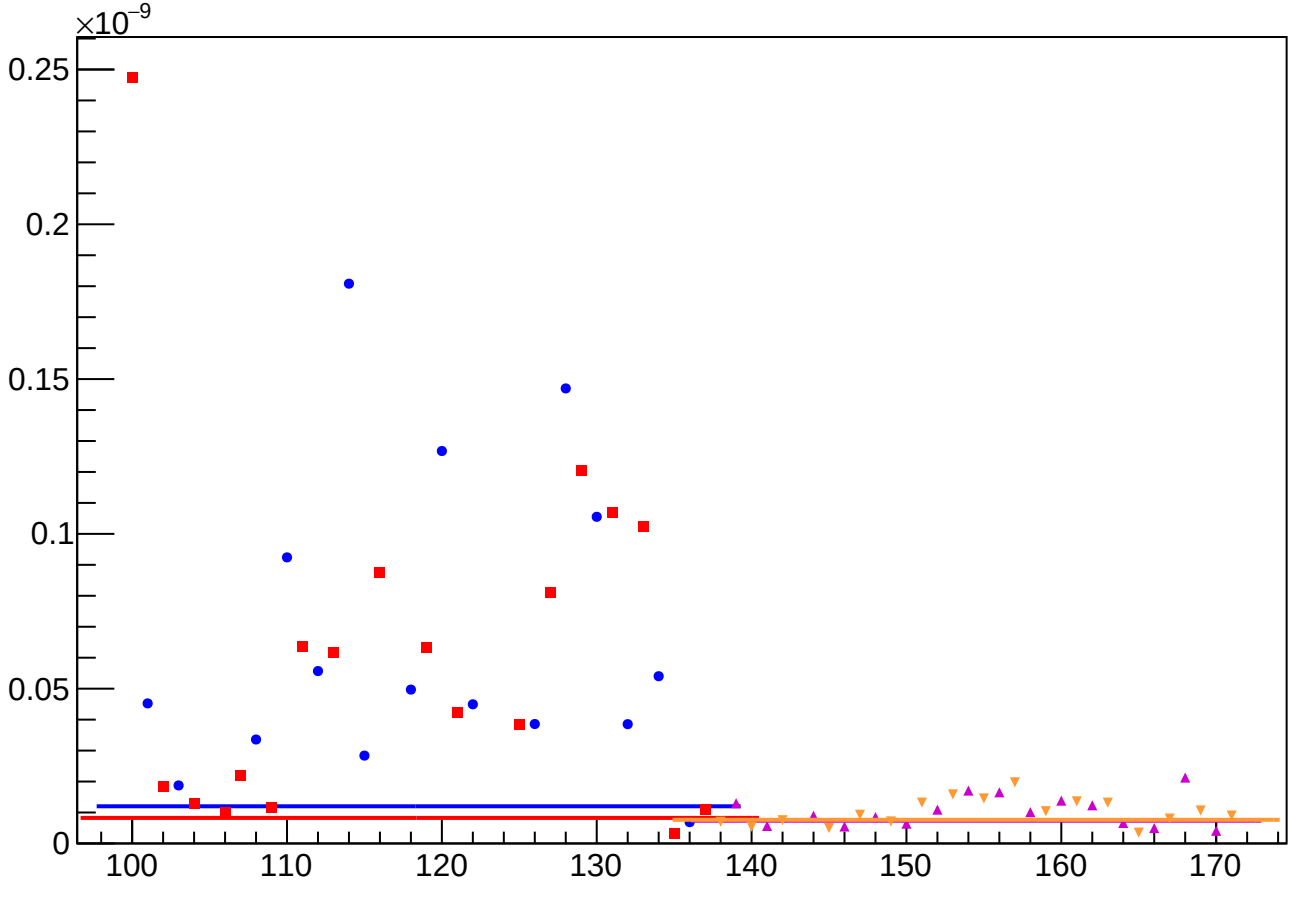
Left: 0.000+/-0.000 χ^2/NDF: 22.5/32

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: -0.000+/-0.000 χ^2/NDF:23.5/31

Out: 0.000+/-0.000 χ^2/NDF:32.2/34

All: 0.000+/-0.000 χ^2/NDF: 56.3/66



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:1884952.7/15

Left: 0.000+/-0.000 χ^2/NDF: 3695109.6/32

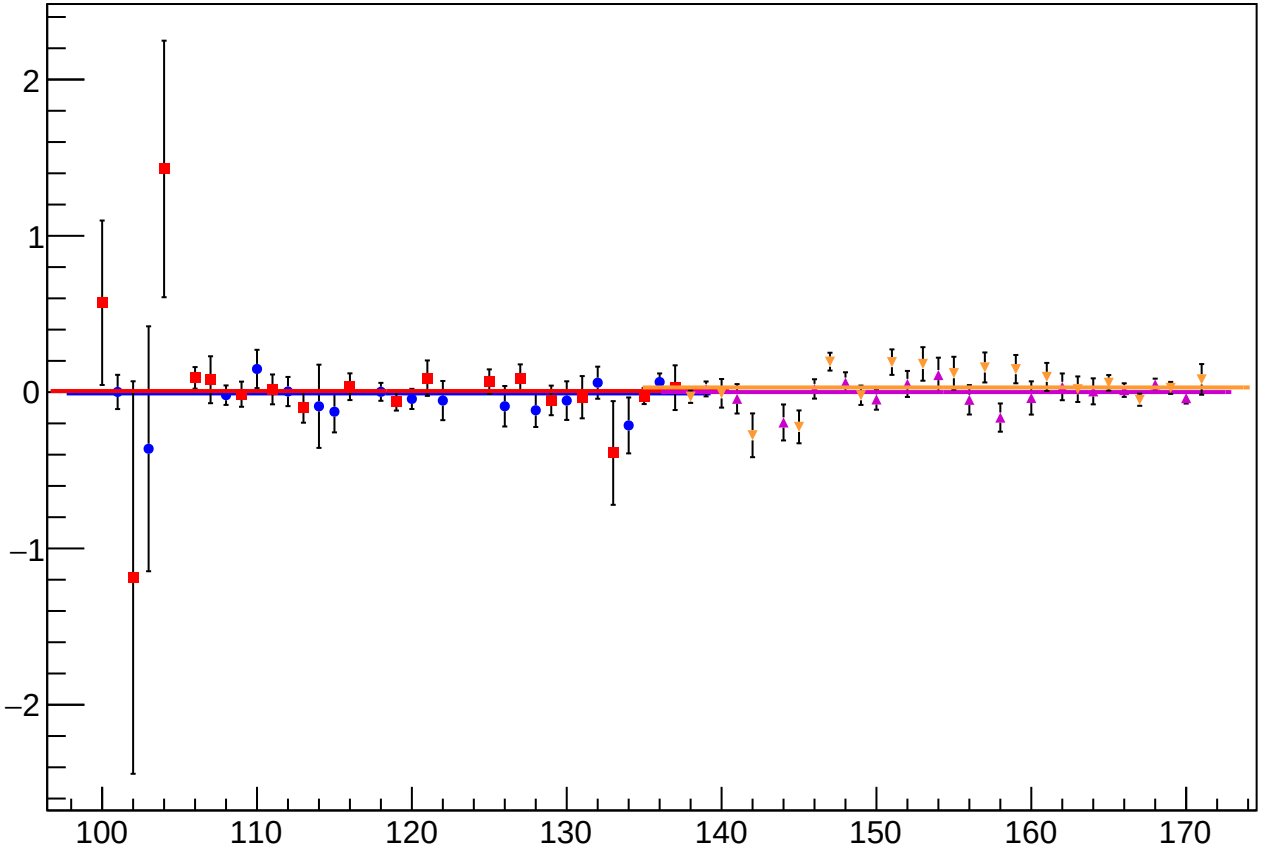
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:5680388.5/31

Out: 0.000+/-0.000 χ^2/NDF:5321501.8/34

All: 0.000+/-0.000 χ^2/NDF: 11002822.0/66

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:13.0/15

Left: 0.015+/-0.011 χ^2/NDF: 52.3/32

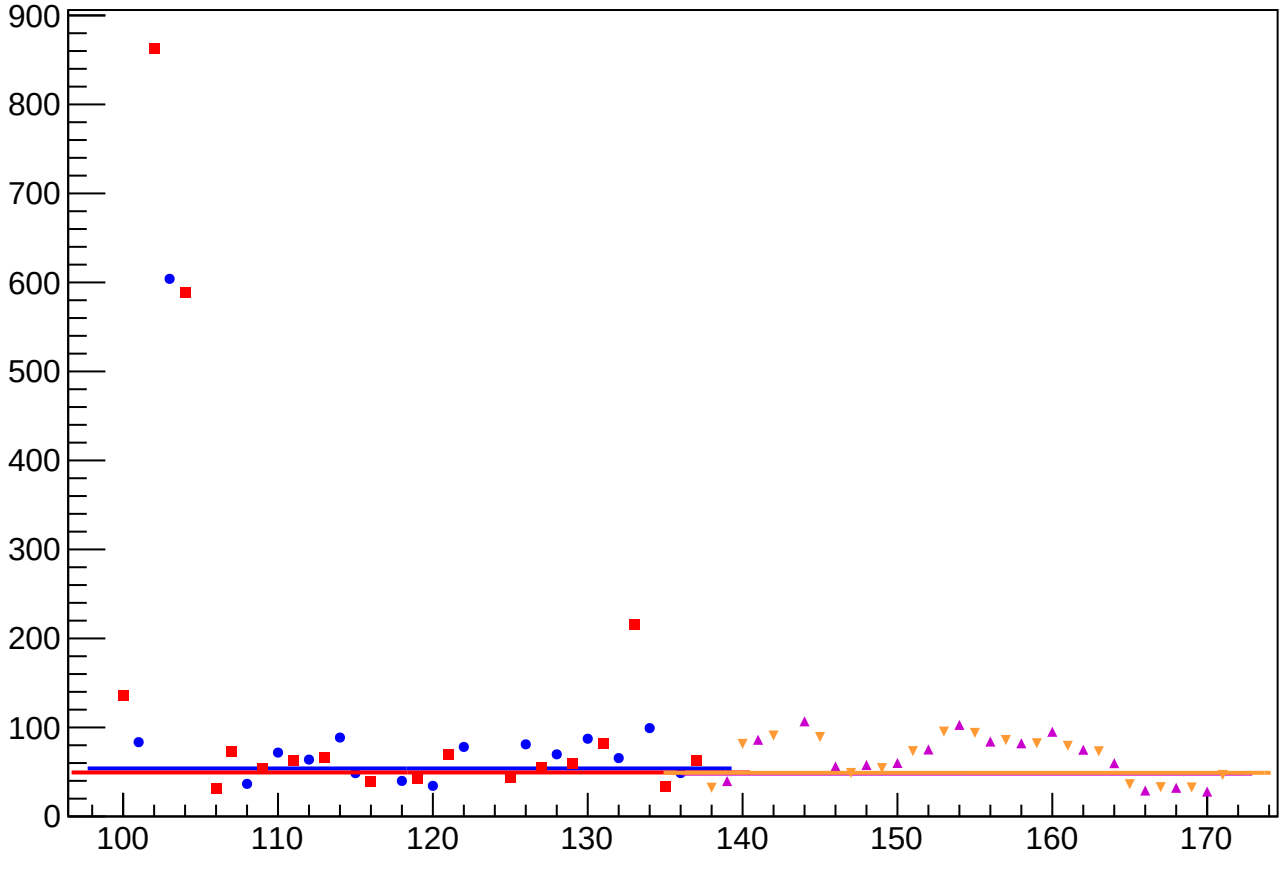
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.1/66

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: 48.104+/-0.011 χ^2/NDF:4386677.3/15

Left: 48.568+/-0.008 χ^2/NDF: 8219319.3/32

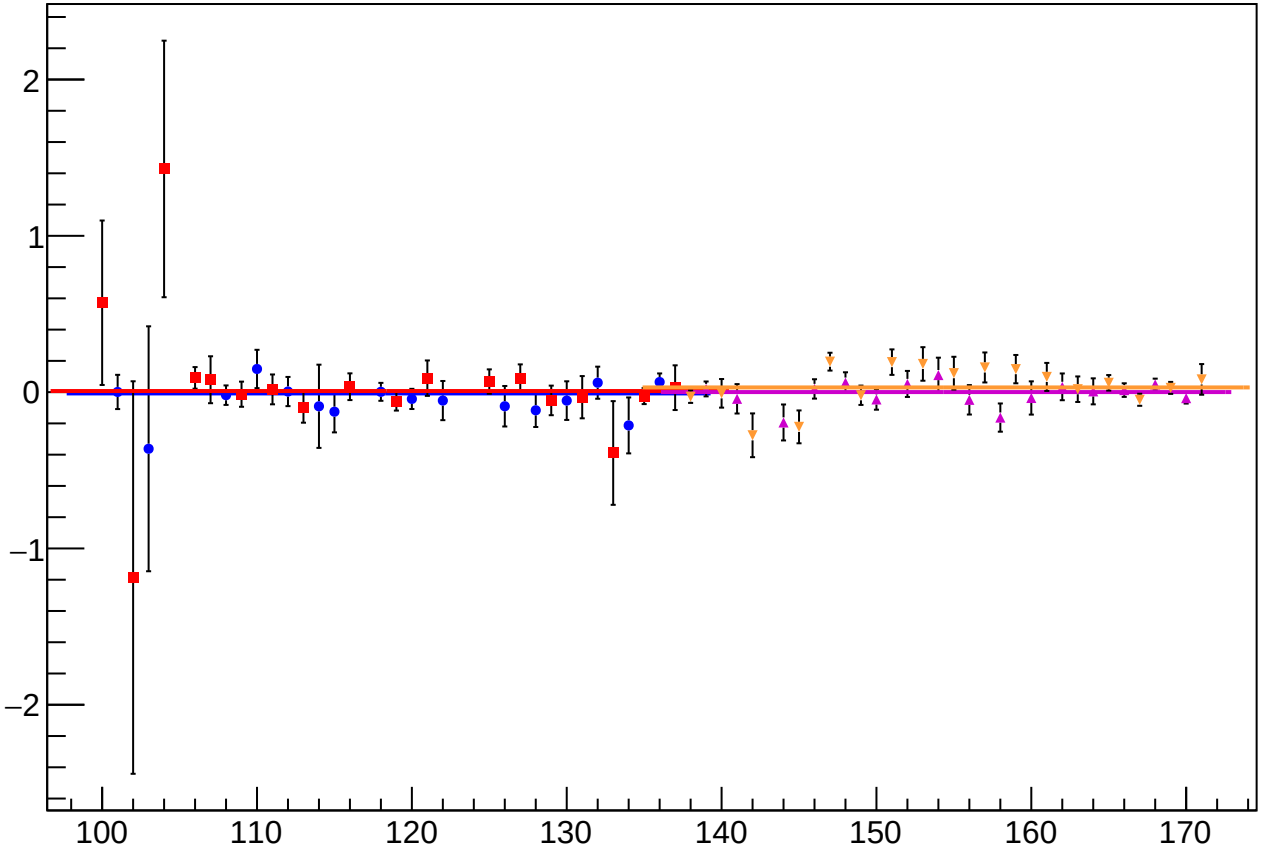
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 49.879+/-0.009 χ^2/NDF:6689290.7/31

Out: 49.168+/-0.009 χ^2/NDF:6847002.1/34

All: 49.522+/-0.006 χ^2/NDF: 13539402.1/66

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:13.0/15

Left: 0.015+/-0.011 χ^2/NDF: 52.3/32

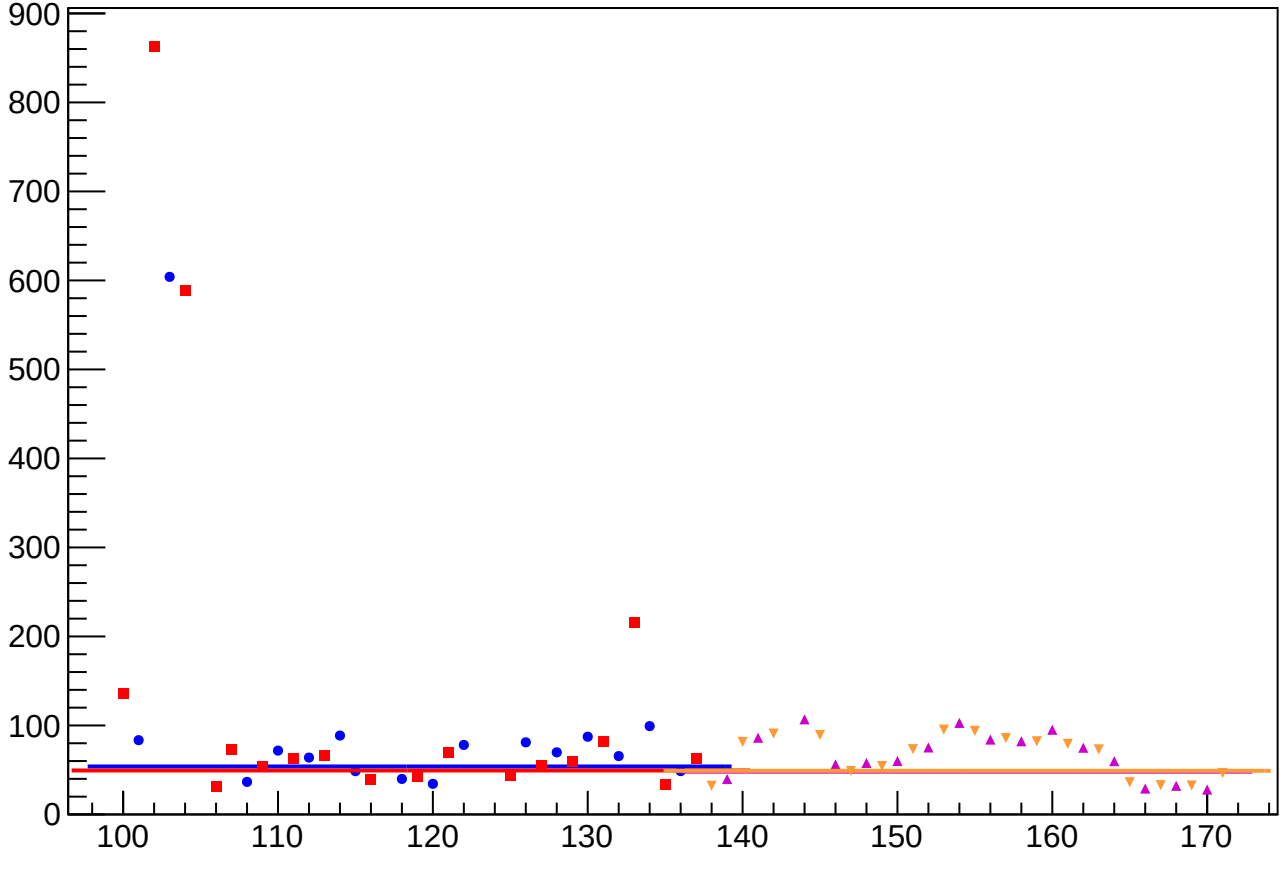
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.1/66

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: 48.104+/-0.011 χ^2/NDF:4386677.3/15

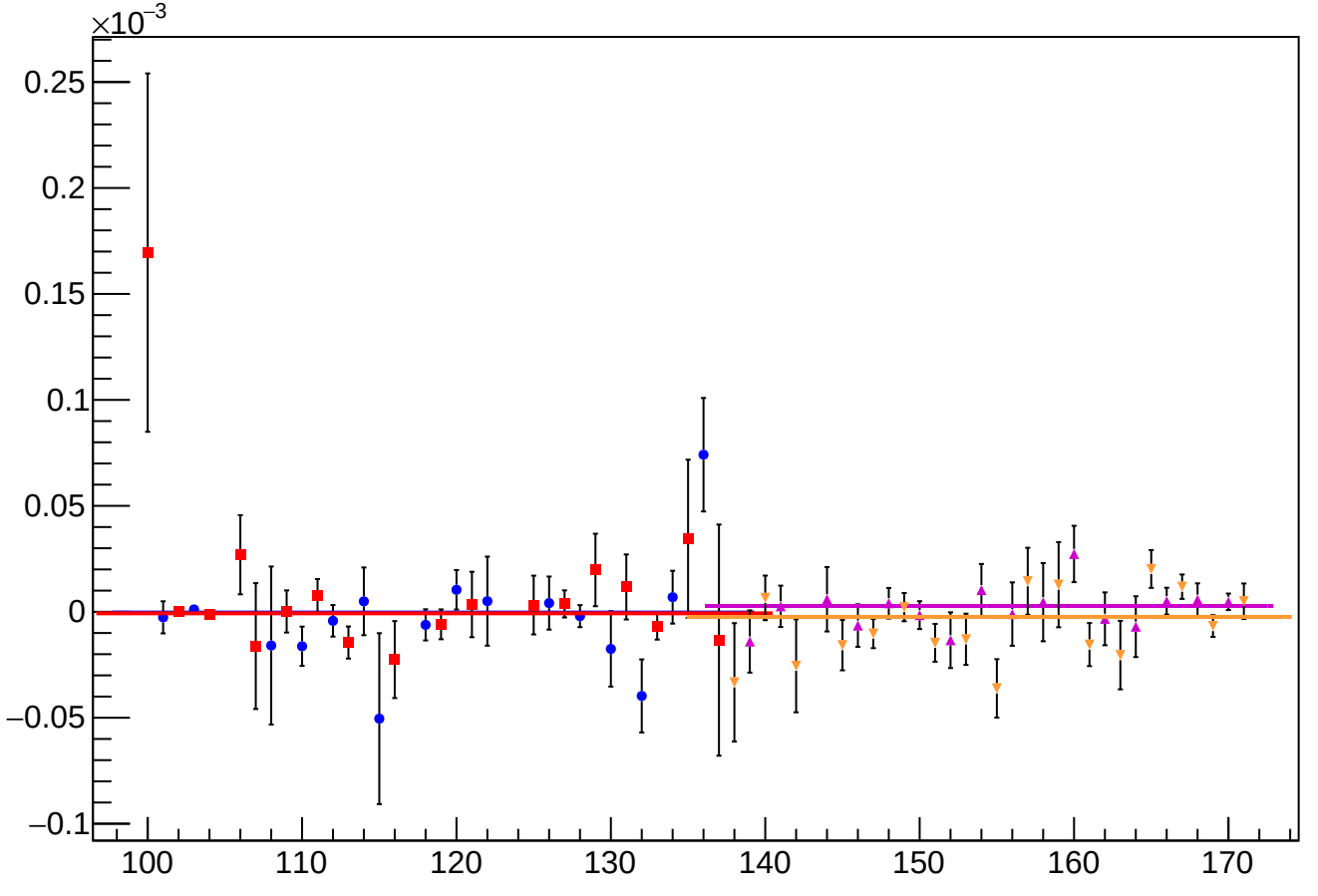
Left: 48.568+/-0.008 χ^2/NDF: 8219319.3/32

Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 49.879+/-0.009 χ^2/NDF:6689290.7/31

Out: 49.168+/-0.009 χ^2/NDF:6847002.1/34

All: 49.522+/-0.006 χ^2/NDF: 13539402.1/66



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:9.3/15

Left: 0.000+/-0.000 χ^2/NDF: 45.4/32

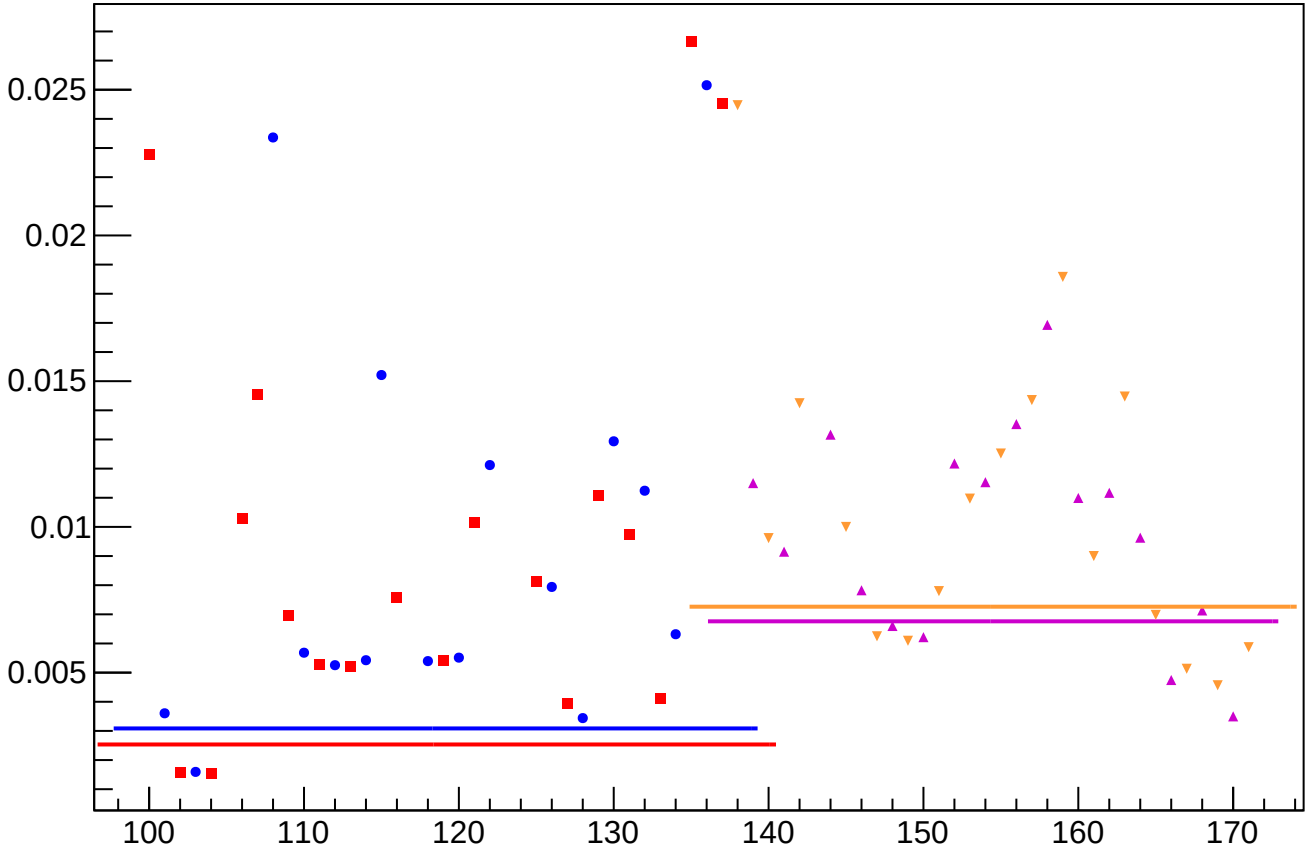
Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

In: 0.000+/-0.000 χ^2/NDF:32.7/31

Out: -0.000+/-0.000 χ^2/NDF:51.7/34

All: -0.000+/-0.000 χ^2/NDF: 85.6/66

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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:4522905.9/15

Left: 0.007+/-0.000 χ^2/NDF: 8711139.2/32

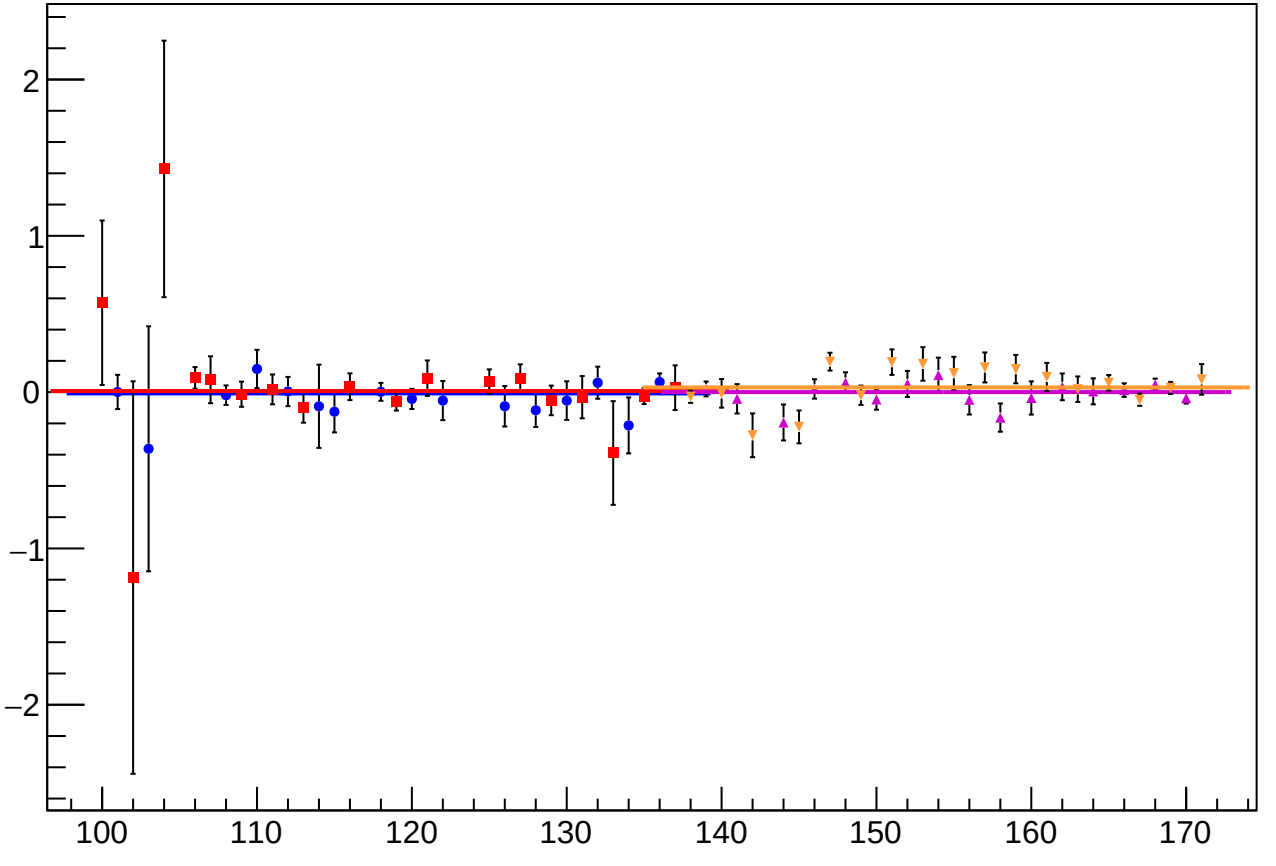
Right: 0.003+/-0.000 χ^2/NDF: 12159145.0/33

In: 0.004+/-0.000 χ^2/NDF:14027779.1/31

Out: 0.004+/-0.000 χ^2/NDF:17205800.9/34

All: 0.004+/-0.000 χ^2/NDF: 31590272.4/66

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:13.0/15

Left: 0.015+/-0.011 χ^2/NDF: 52.3/32

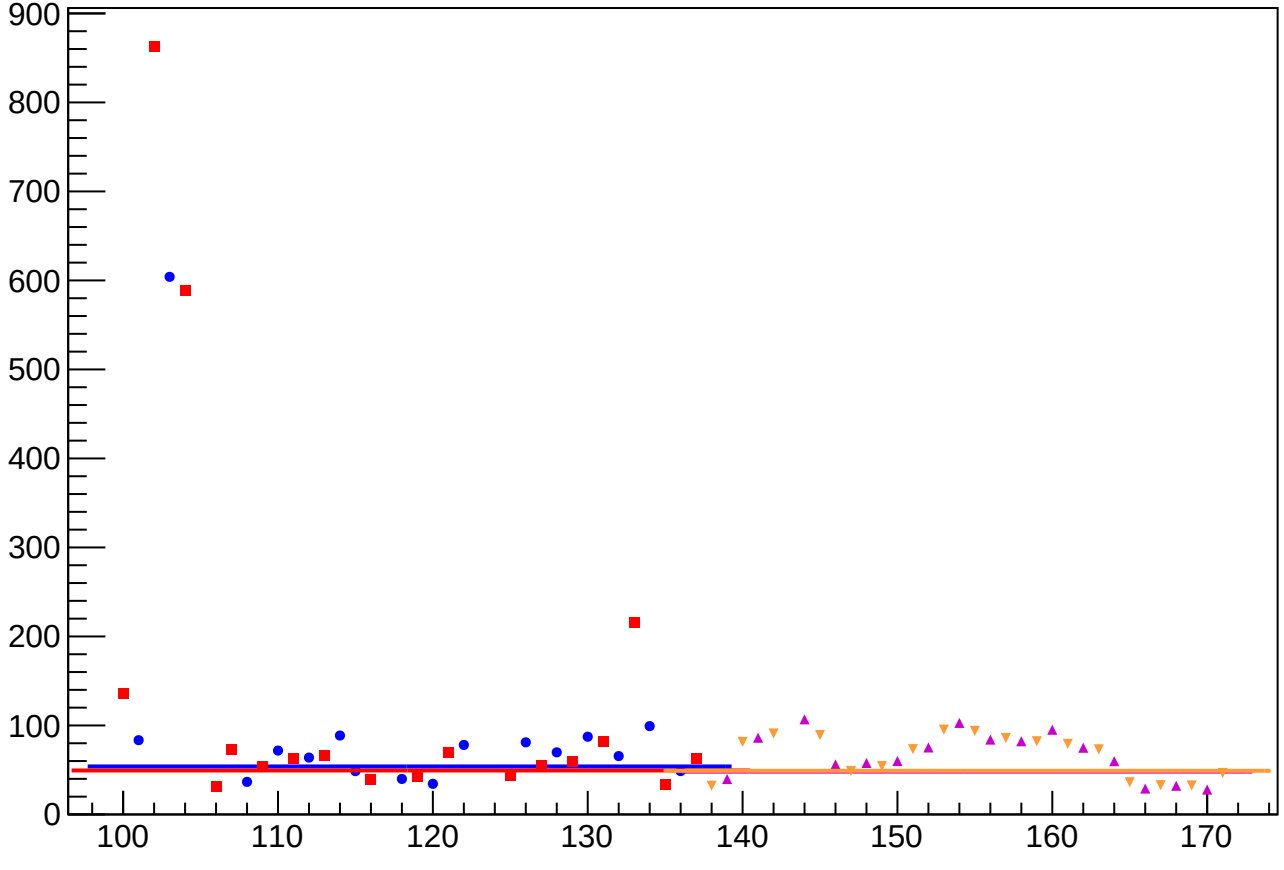
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.1/66

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: 48.104+/-0.011 χ^2/NDF:4386630.8/15

Left: 48.569+/-0.008 χ^2/NDF: 8218558.4/32

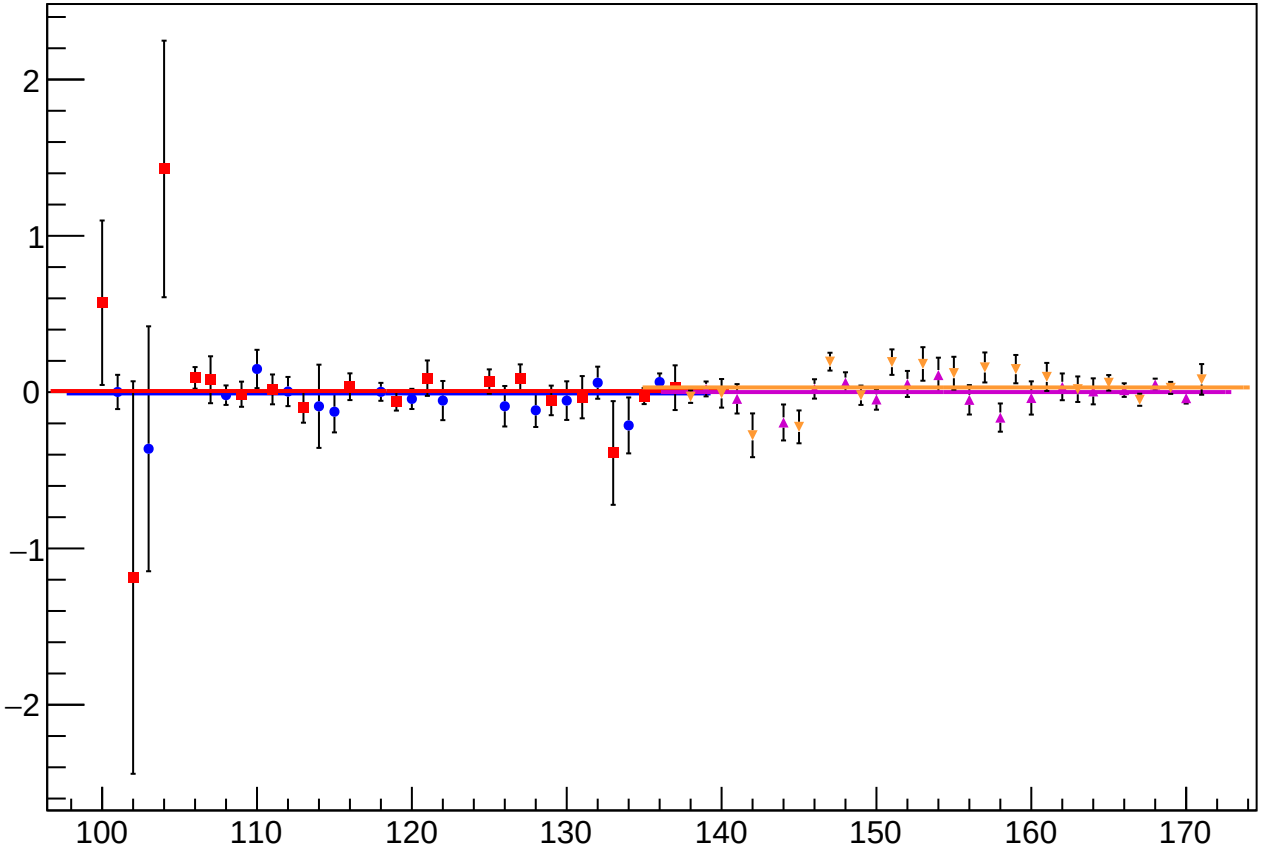
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 49.880+/-0.009 χ^2/NDF:6688940.8/31

Out: 49.171+/-0.009 χ^2/NDF:6845990.0/34

All: 49.524+/-0.006 χ^2/NDF: 13538028.4/66

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:13.0/15

Left: 0.015+/-0.011 χ^2/NDF: 52.3/32

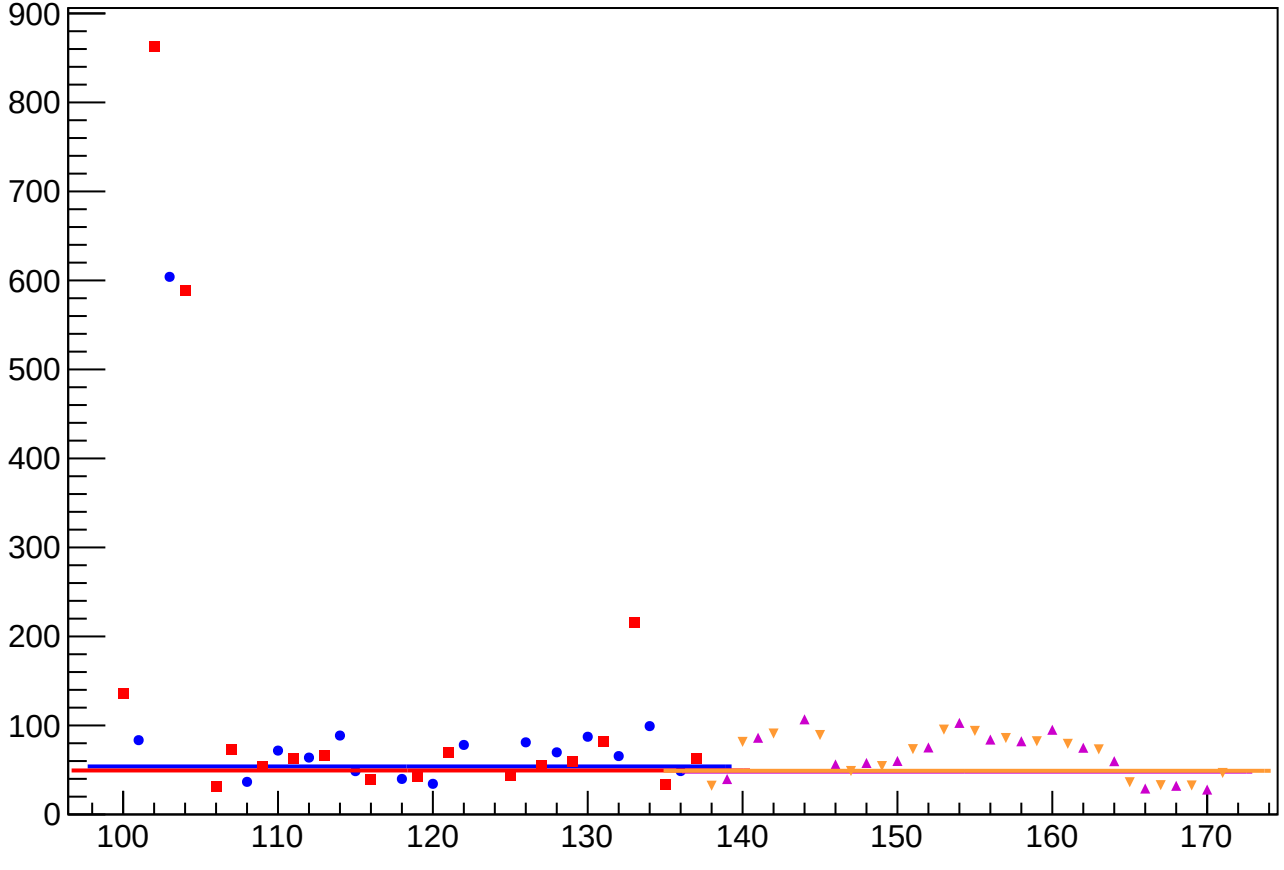
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.002+/-0.013 χ^2/NDF:21.4/31

Out: 0.023+/-0.013 χ^2/NDF:51.8/34

All: 0.010+/-0.009 χ^2/NDF: 75.1/66

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: 48.104+/-0.011 χ^2/NDF:4386630.8/15

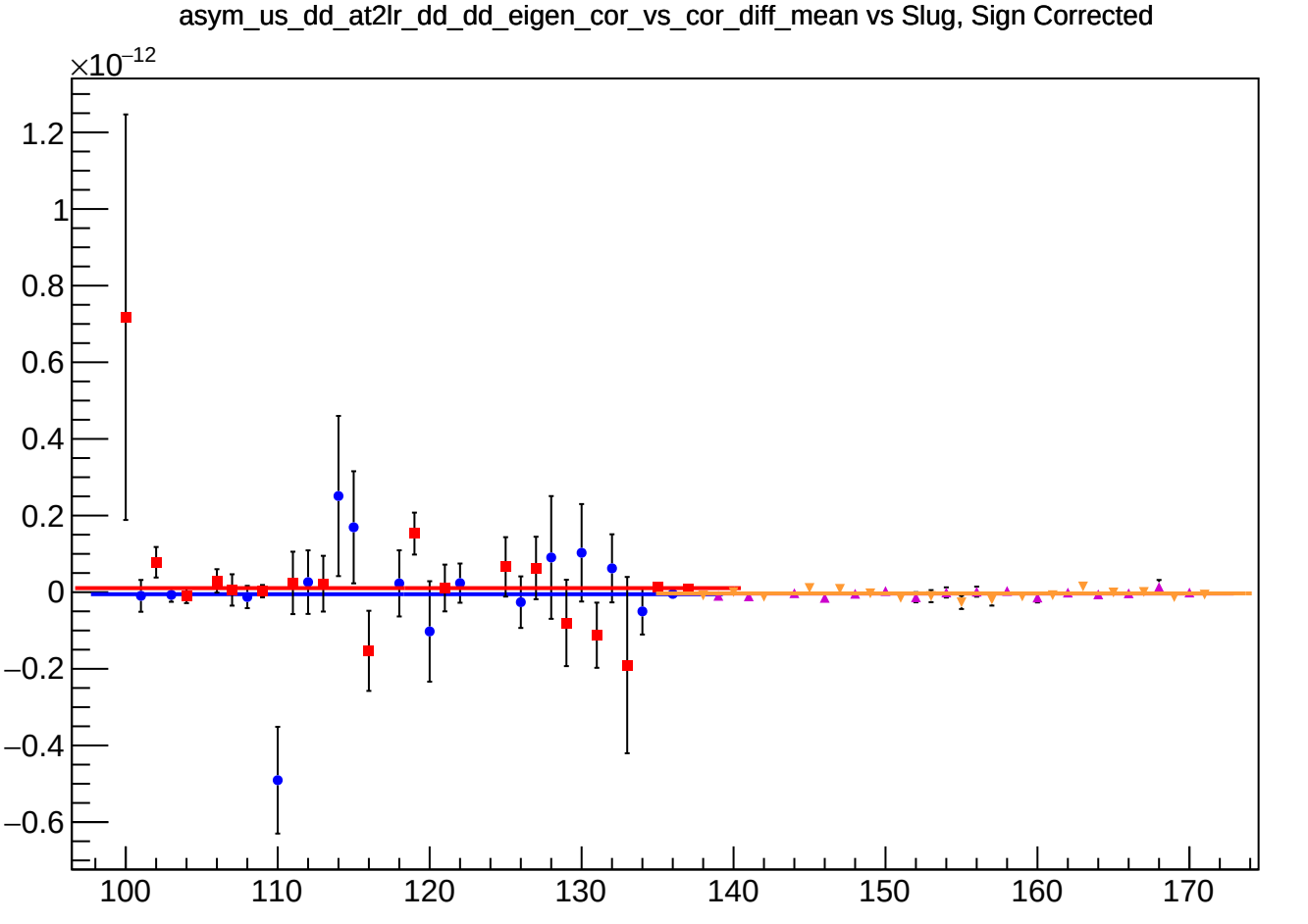
Left: 48.569+/-0.008 χ^2/NDF: 8218558.4/32

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 49.880+/-0.009 χ^2/NDF:6688940.8/31

Out: 49.171+/-0.009 χ^2/NDF:6845990.0/34

All: 49.524+/-0.006 χ^2/NDF: 13538028.4/66



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:7.1/15

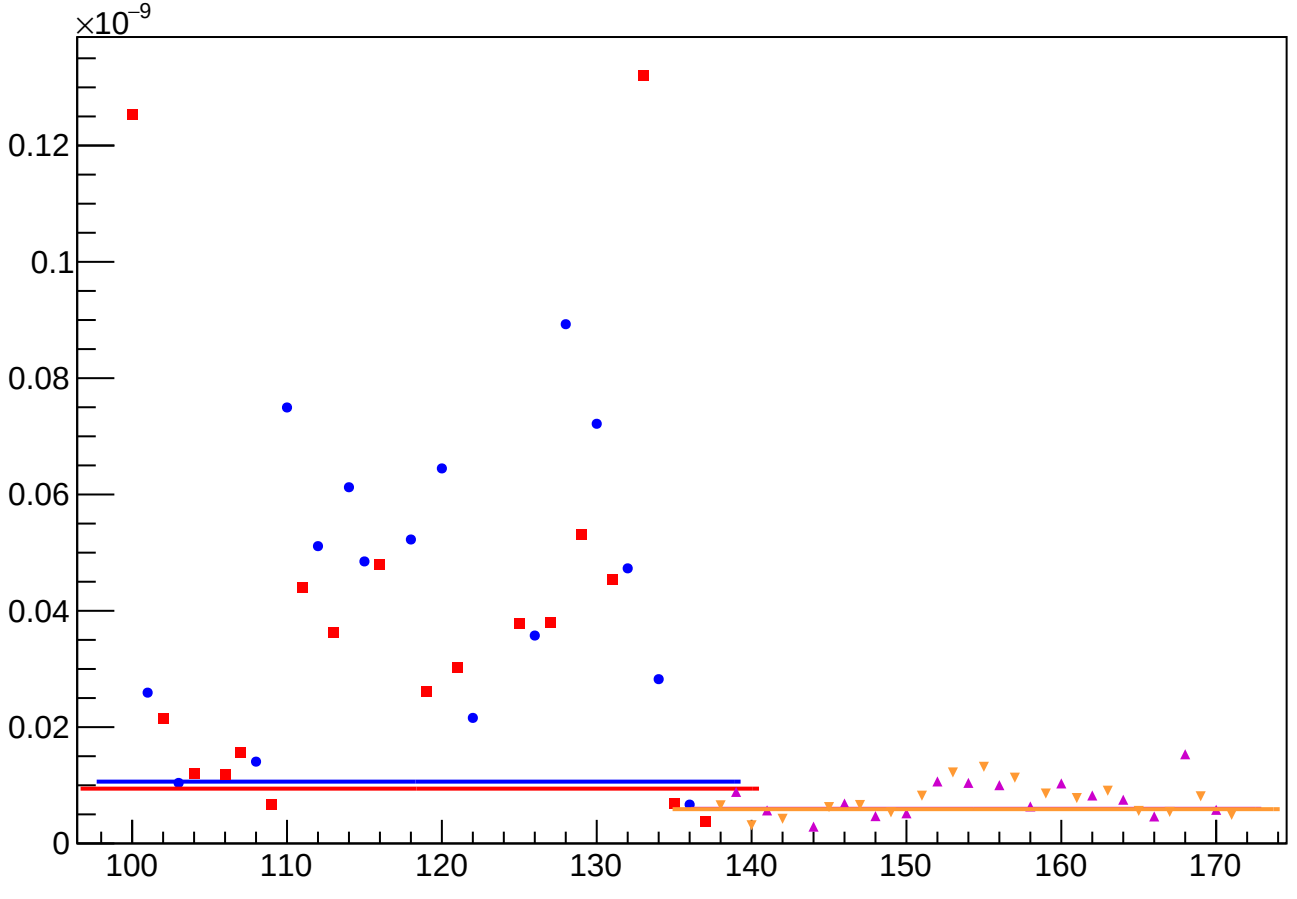
Left: -0.000+/-0.000 χ^2/NDF: 22.6/32

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:25.7/31

Out: -0.000+/-0.000 χ^2/NDF:39.8/34

All: -0.000+/-0.000 χ^2/NDF: 65.9/66



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:2647178.8/15

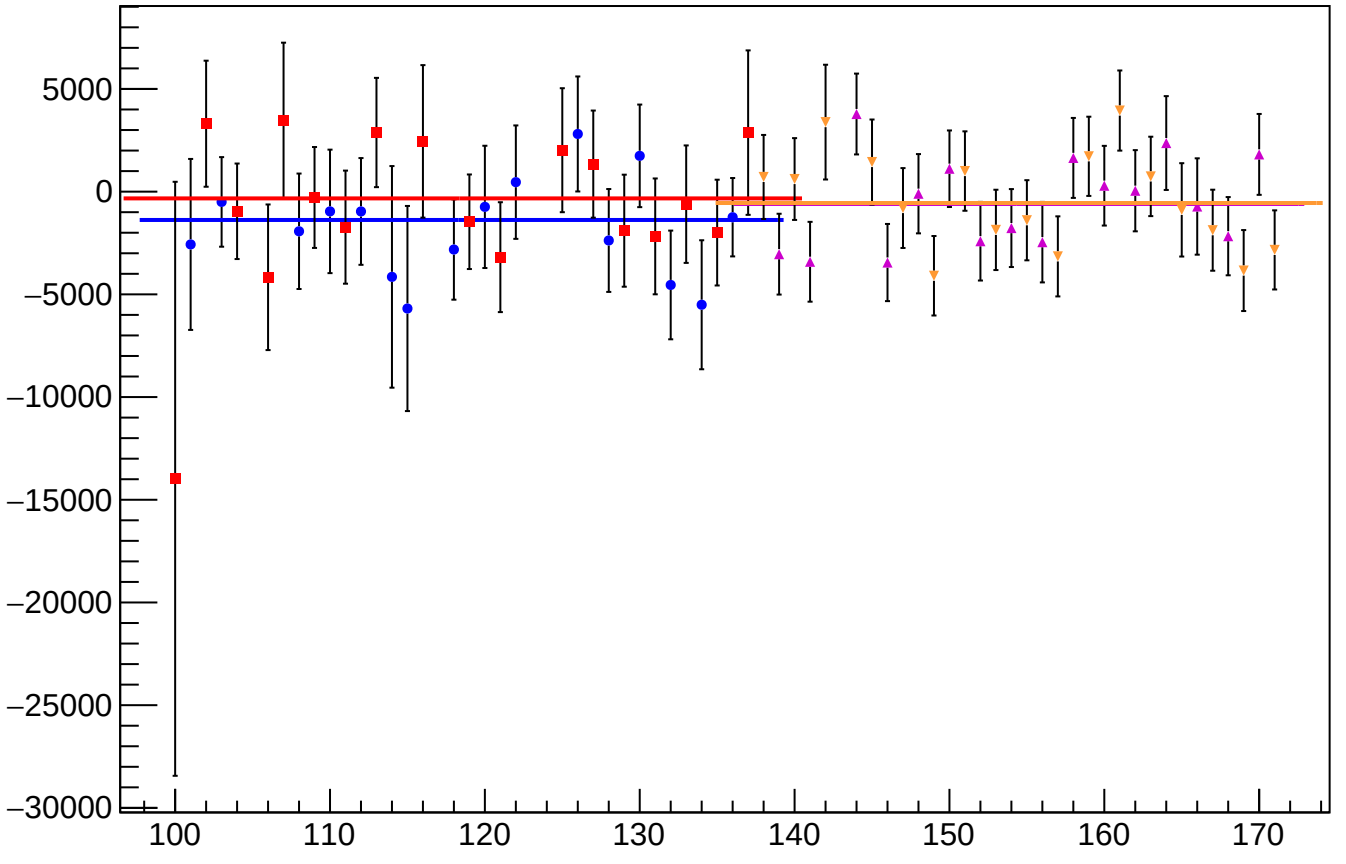
Left: 0.000+/-0.000 χ^2/NDF: 4987119.8/32

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8054797.0/31

Out: 0.000+/-0.000 χ^2/NDF:6908591.7/34

All: 0.000+/-0.000 χ^2/NDF: 14968370.9/66



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -552.999+/-486.968 χ^2/NDF:21.9/16

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -600.119+/-492.348 χ^2/NDF:19.5/15

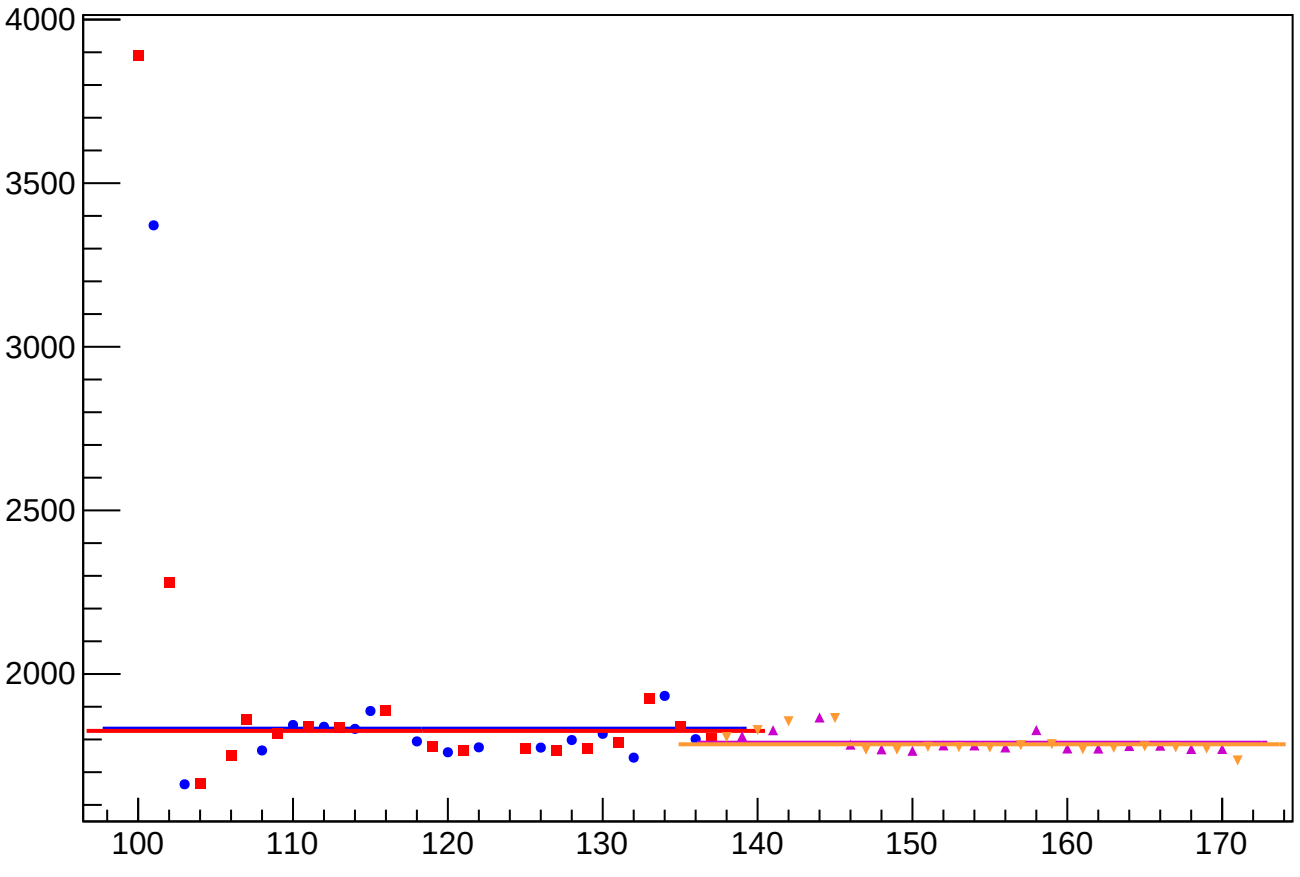
Left: -576.300+/-346.225 χ^2/NDF: 41.4/32

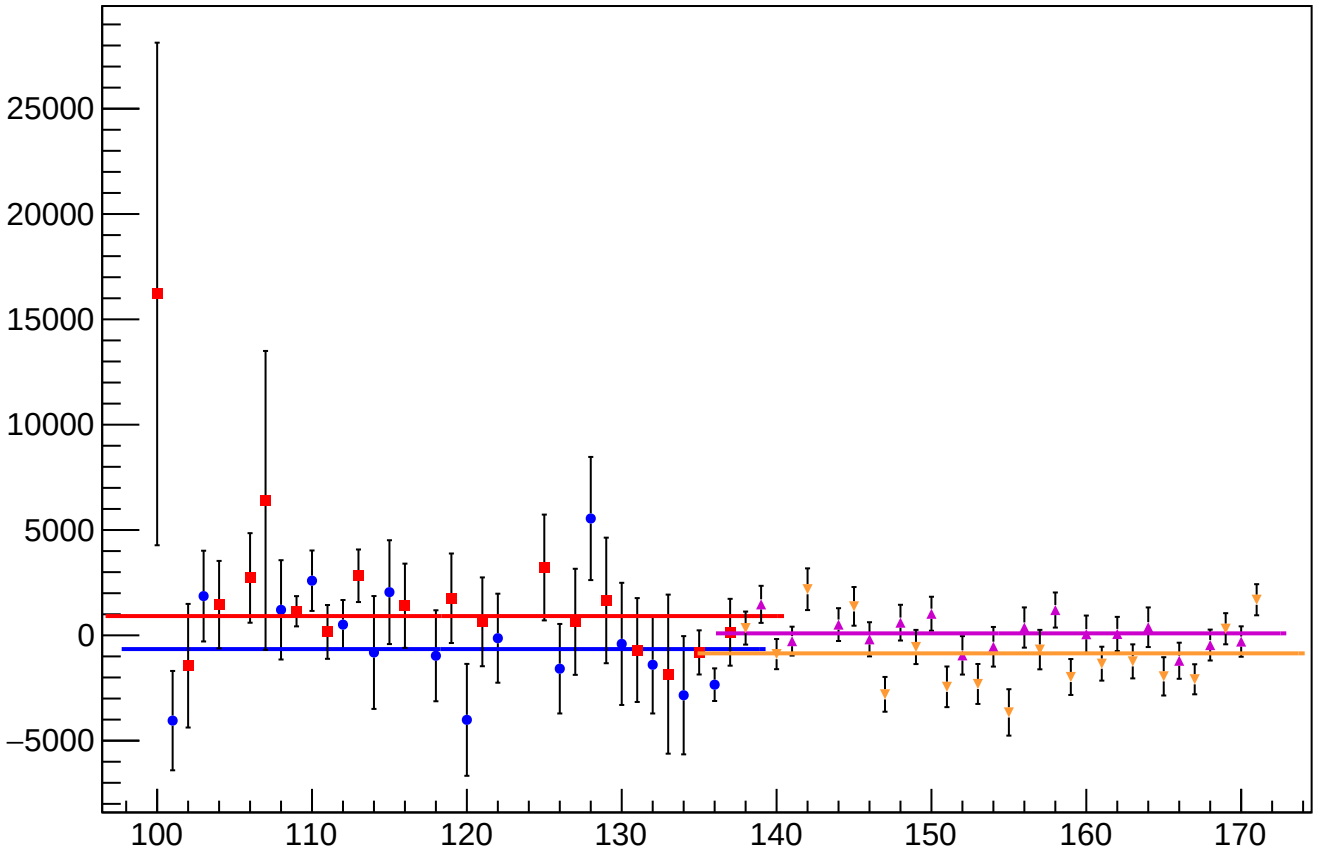
Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -863.304+/-400.590 χ^2/NDF:29.6/31

Out: -477.559+/-396.680 χ^2/NDF:33.0/34

All: -668.539+/-281.867 χ^2/NDF: 63.1/66


reg_asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1832.947+/-0.487 χ²/NDF: 295439.4/15
Left Out: 1785.270+/-0.344 χ²/NDF:7512.0/16
Right Out: 1826.208+/-0.484 χ²/NDF: 103006.6/17
Left In: 1790.067+/-0.348 χ²/NDF:6389.6/15
Left: 1787.642+/-0.245 χ²/NDF: 13997.6/32
Right: 1829.552+/-0.343 χ²/NDF: 398542.3/33
In: 1804.561+/-0.283 χ²/NDF:306956.6/31
Out: 1799.043+/-0.280 χ²/NDF:115274.1/34
All: 1801.775+/-0.199 χ²/NDF: 422422.3/66



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: 94.197+/-206.506 χ^2/NDF:11.7/15

Left: -388.045+/-144.849 χ^2/NDF: 78.5/32

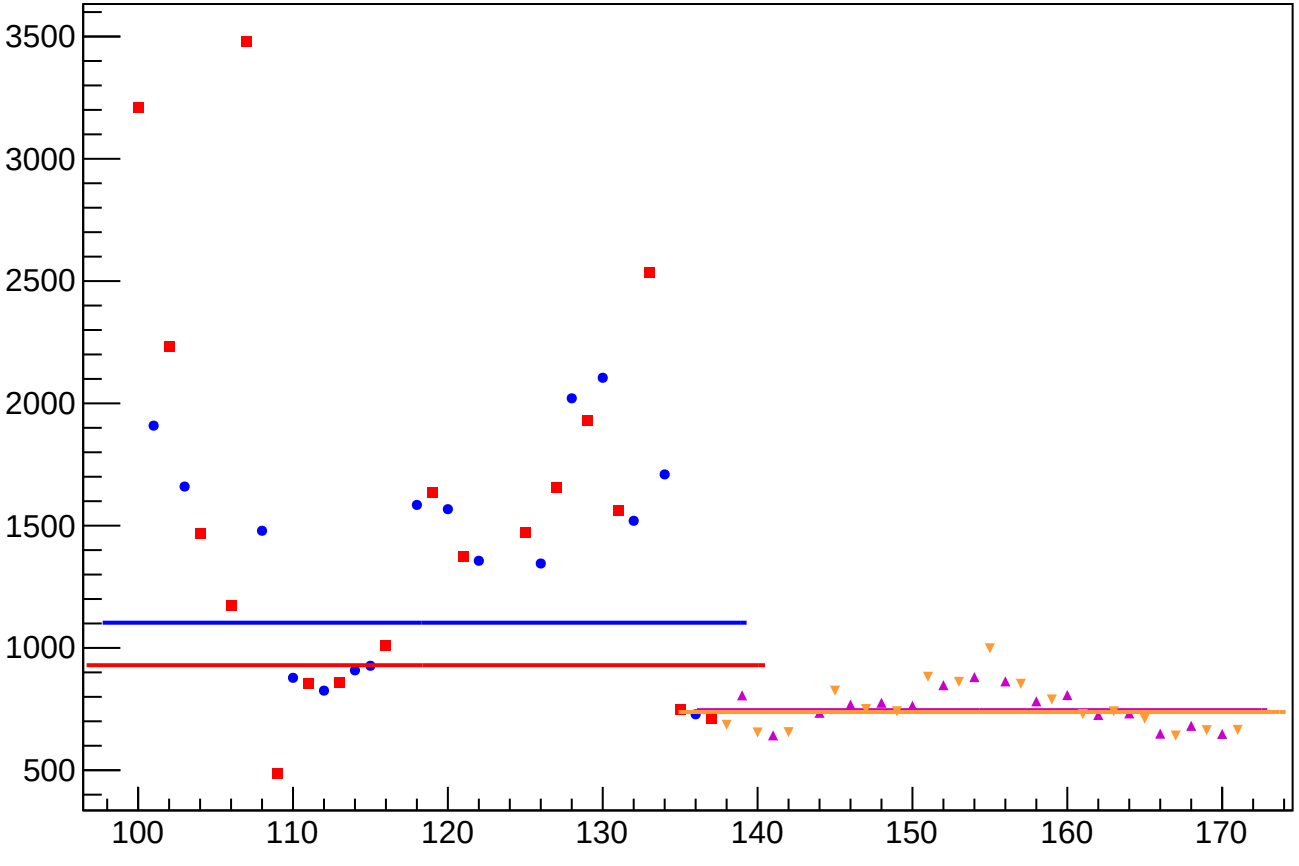
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: -39.425+/-187.104 χ^2/NDF:37.3/31

Out: -482.314+/-180.561 χ^2/NDF:83.6/34

All: -268.749+/-129.927 χ^2/NDF: 123.8/66

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: 745.610+/-0.146 χ^2/NDF:248600.5/15

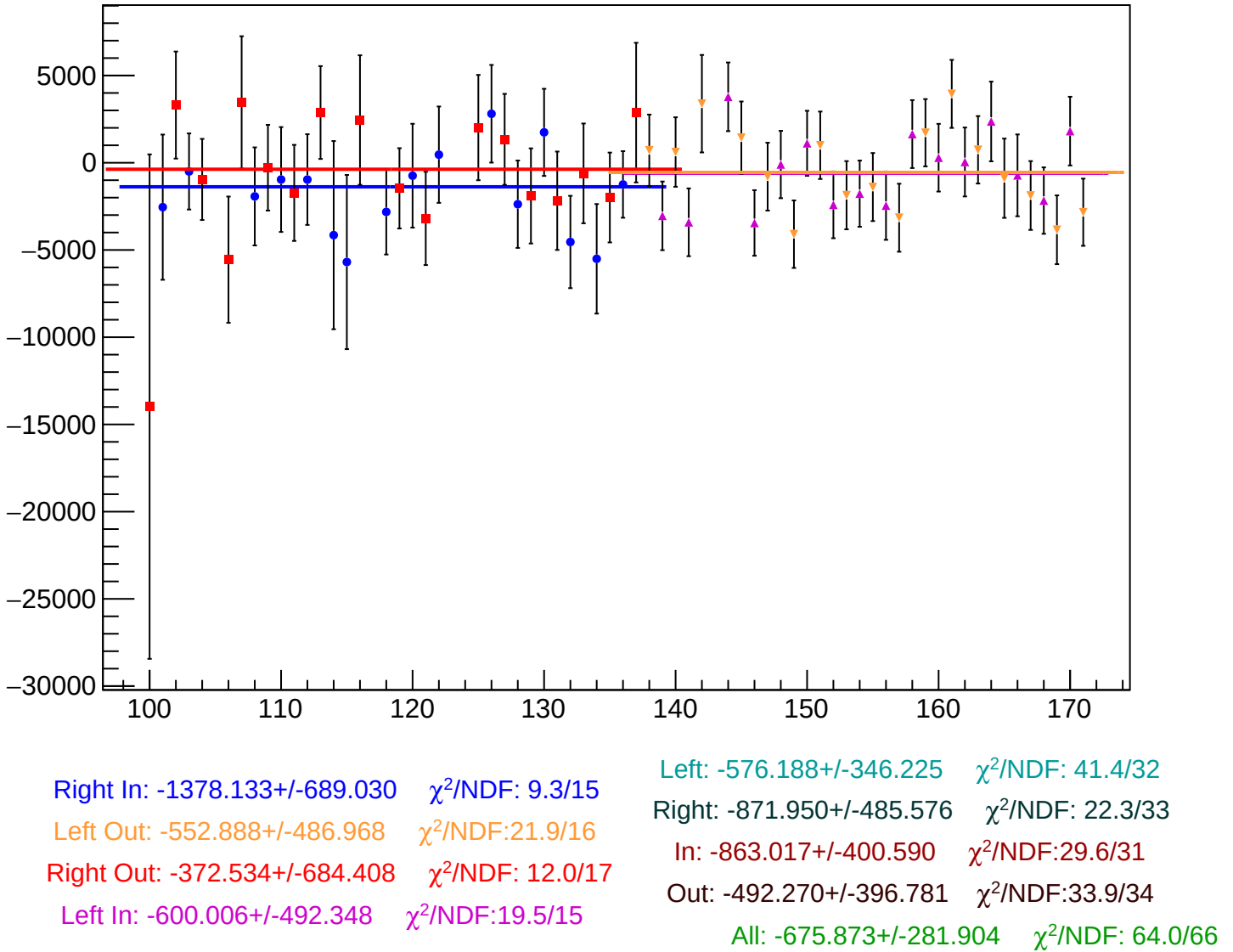
Left: 741.713+/-0.102 χ^2/NDF: 624542.5/32

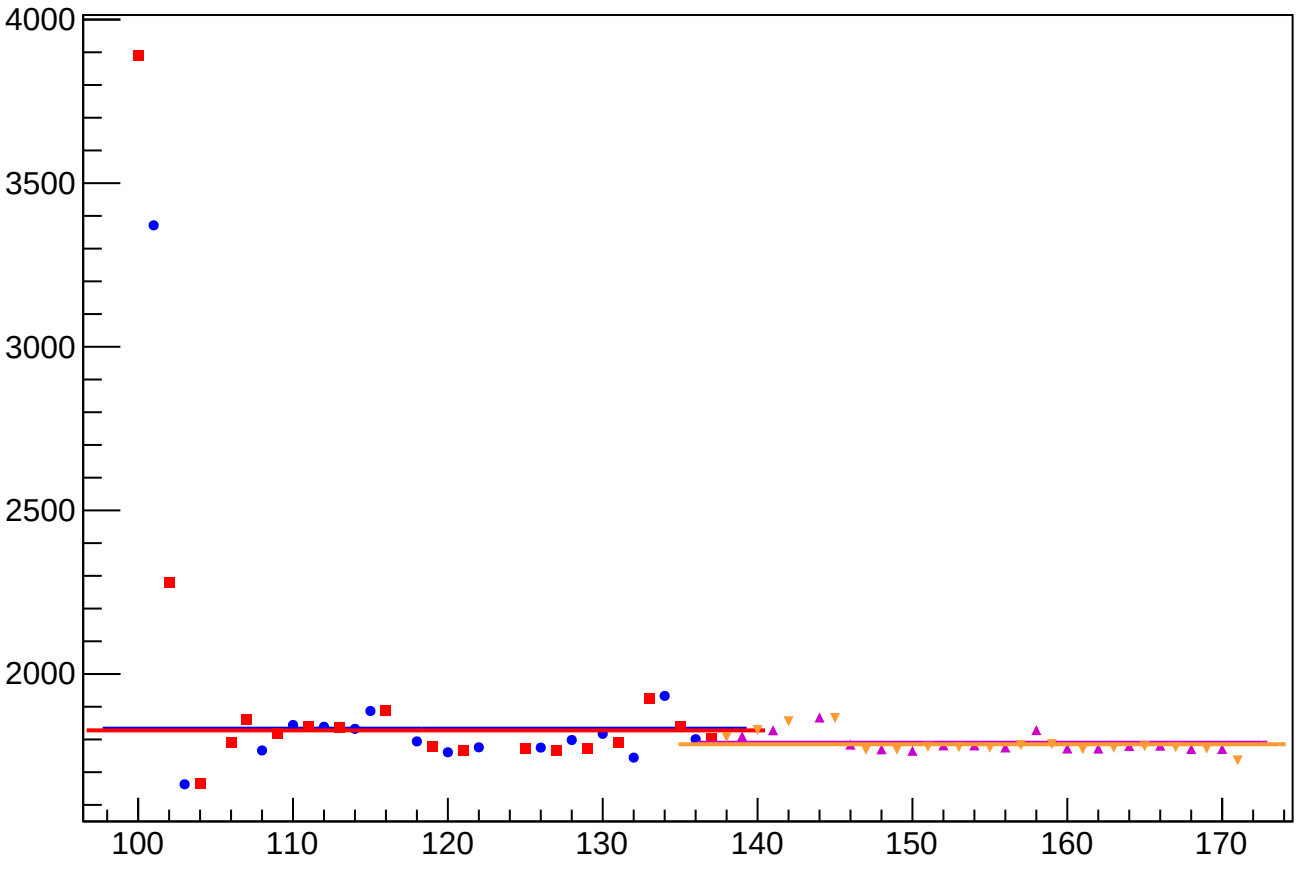
Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 809.646+/-0.132 χ^2/NDF:3200641.9/31

Out: 778.258+/-0.128 χ^2/NDF:3802359.7/34

All: 793.394+/-0.092 χ^2/NDF: 7032143.8/66


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: -600.006+/-492.348 χ²/NDF:19.5/15
Left: -576.188+/-346.225 χ²/NDF: 41.4/32
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -863.017+/-400.590 χ²/NDF:29.6/31
Out: -492.270+/-396.781 χ²/NDF:33.9/34
All: -675.873+/-281.904 χ²/NDF: 64.0/66



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: 1790.067+/-0.348 χ^2/NDF:6389.6/15

Left: 1787.642+/-0.245 χ^2/NDF: 13997.6/32

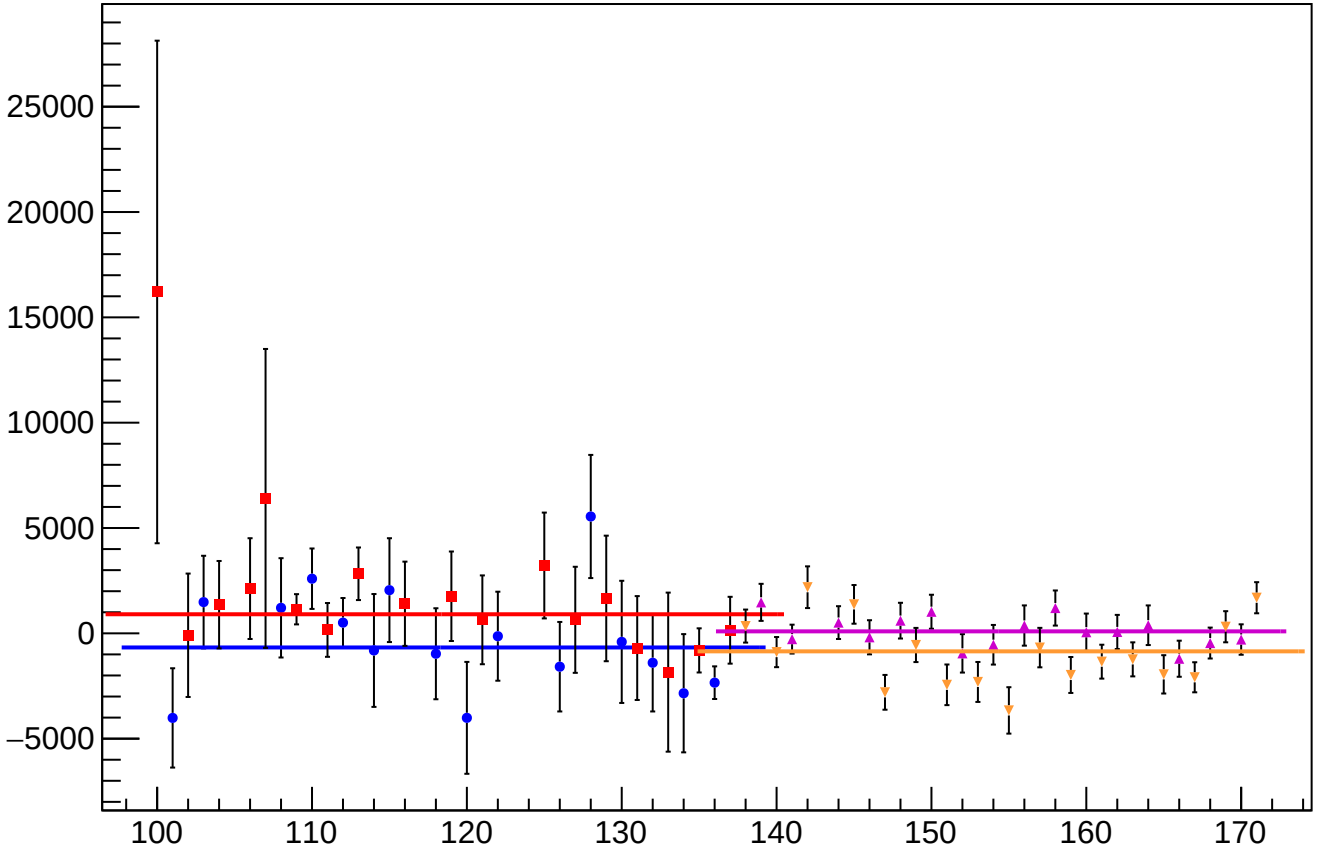
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1804.561+/-0.283 χ^2/NDF:306958.4/31

Out: 1799.559+/-0.281 χ^2/NDF:114906.1/34

All: 1802.036+/-0.199 χ^2/NDF: 422021.9/66

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -855.123+/-203.230 χ^2/NDF:56.1/16

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 94.128+/-206.506 χ^2/NDF:11.7/15

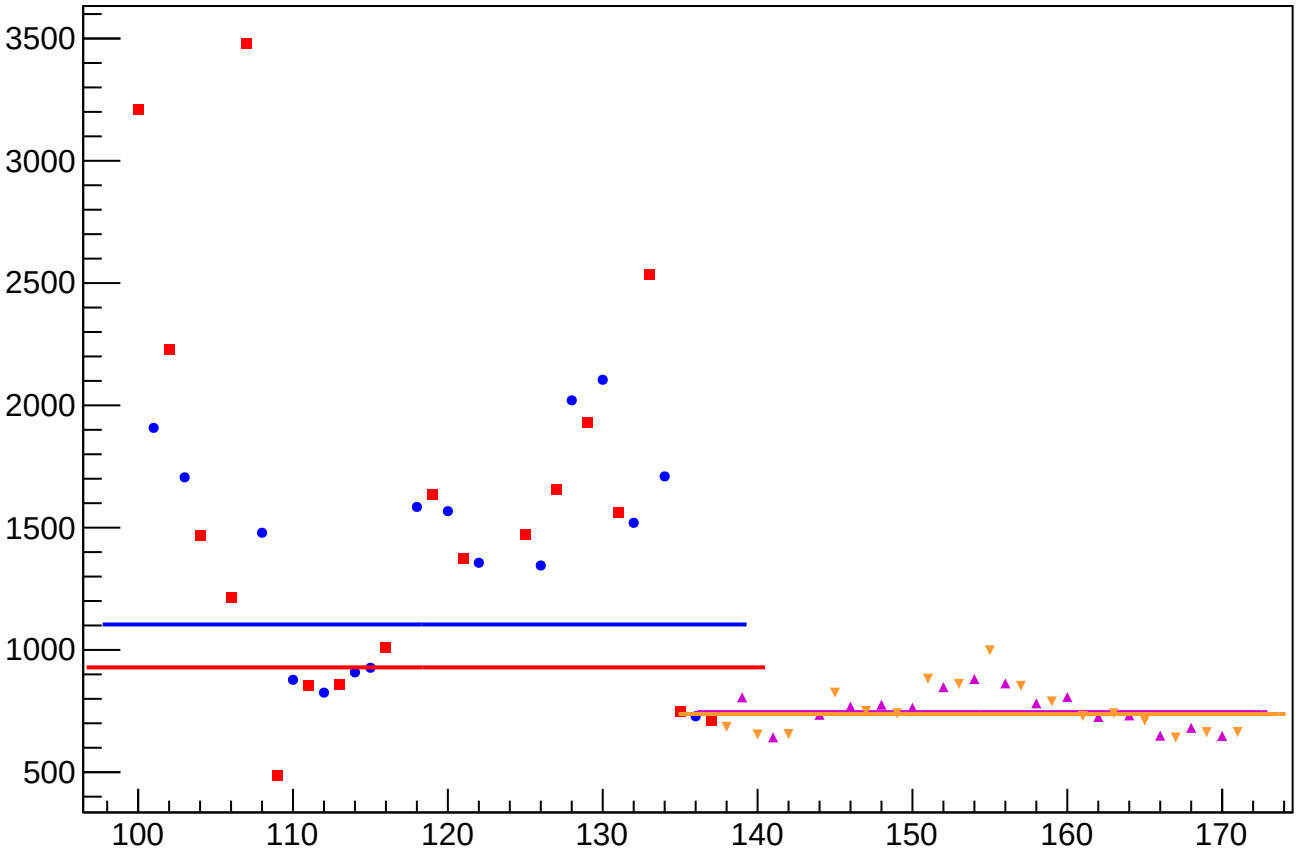
Left: -388.088+/-144.850 χ^2/NDF: 78.5/32

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -42.623+/-187.132 χ^2/NDF:36.9/31

Out: -486.257+/-180.696 χ^2/NDF:82.3/34

All: -272.200+/-129.987 χ^2/NDF: 122.2/66



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: 745.609+/-0.146 χ^2/NDF:248682.7/15

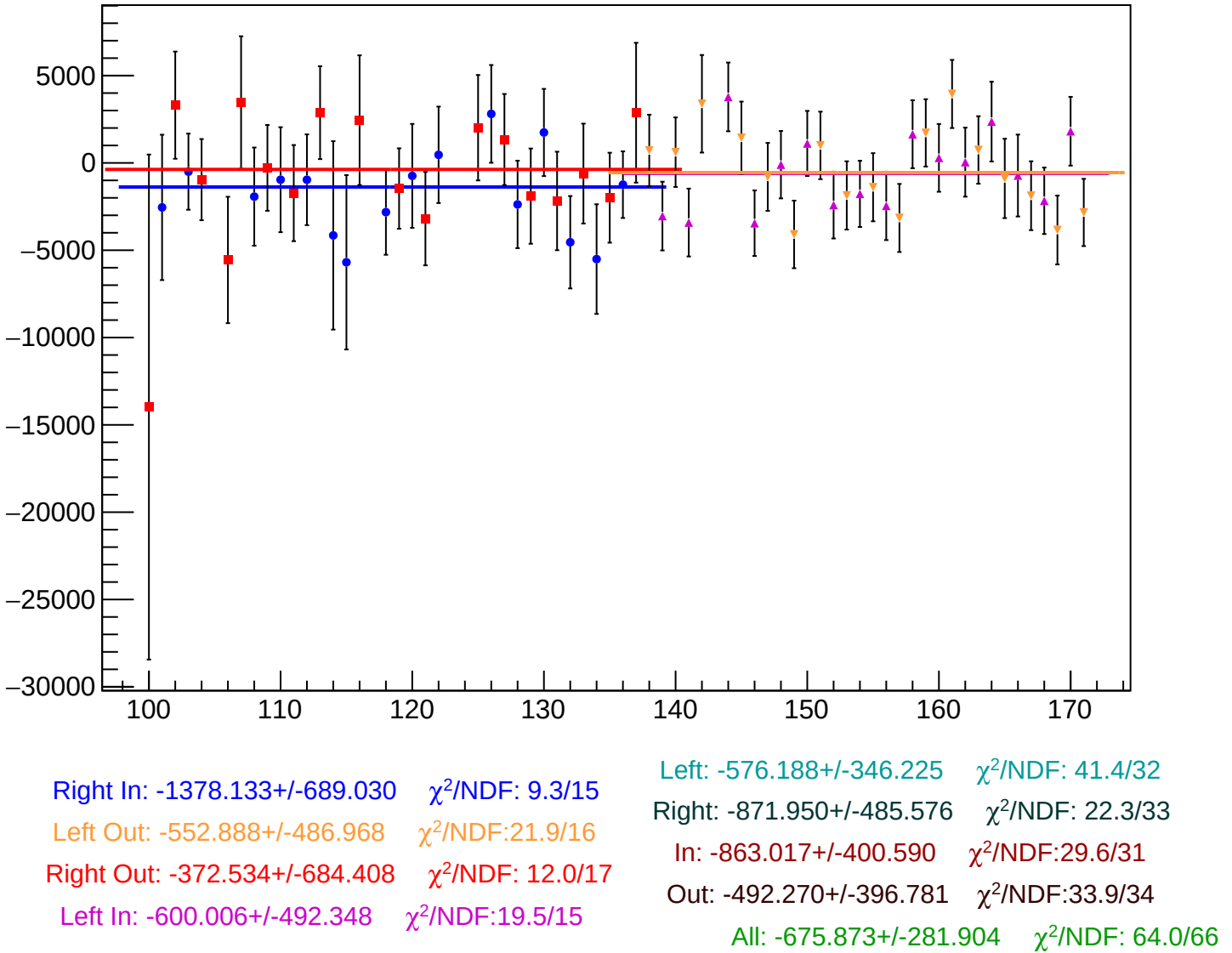
Left: 741.716+/-0.102 χ^2/NDF: 624587.2/32

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 809.721+/-0.132 χ^2/NDF:3221079.0/31

Out: 777.887+/-0.128 χ^2/NDF:3797688.1/34

All: 793.247+/-0.092 χ^2/NDF: 7048720.4/66


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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−5000
−10000
−15000
−20000
−25000
−30000
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110
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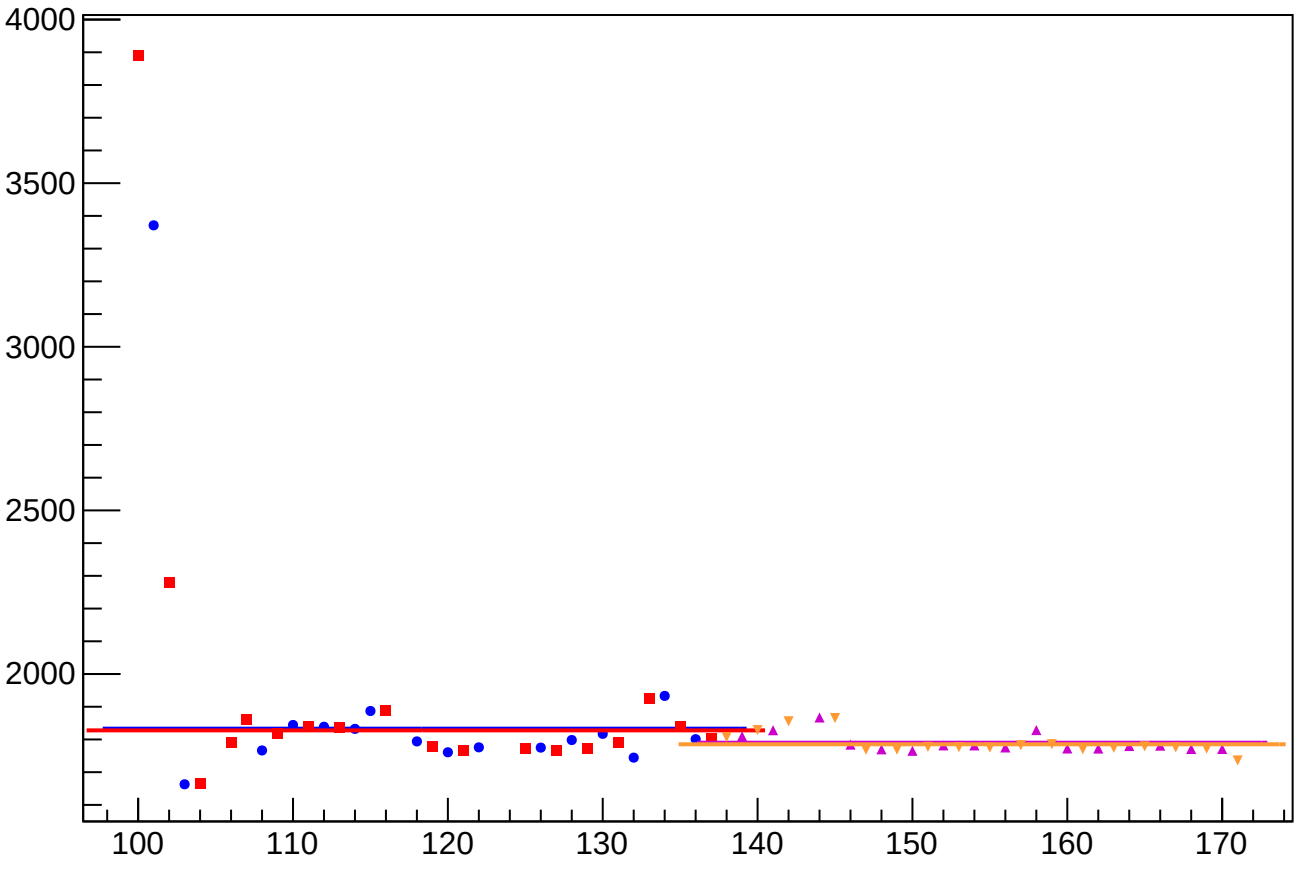
130
140
150
160
170
Right In: -1378.133+/-689.030 χ²/NDF: 9.3/15
Left Out: -552.888+/-486.968 χ²/NDF:21.9/16
Right Out: -372.534+/-684.408 χ²/NDF: 12.0/17
Left In: -600.006+/-492.348 χ²/NDF:19.5/15
Left: -576.188+/-346.225 χ²/NDF: 41.4/32
Right: -871.950+/-485.576 χ²/NDF: 22.3/33
In: -863.017+/-400.590 χ²/NDF:29.6/31
Out: -492.270+/-396.781 χ²/NDF:33.9/34
All: -675.873+/-281.904 χ²/NDF: 64.0/66



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: 1790.067+/-0.348 χ^2/NDF:6389.6/15

Left: 1787.642+/-0.245 χ^2/NDF: 13997.6/32

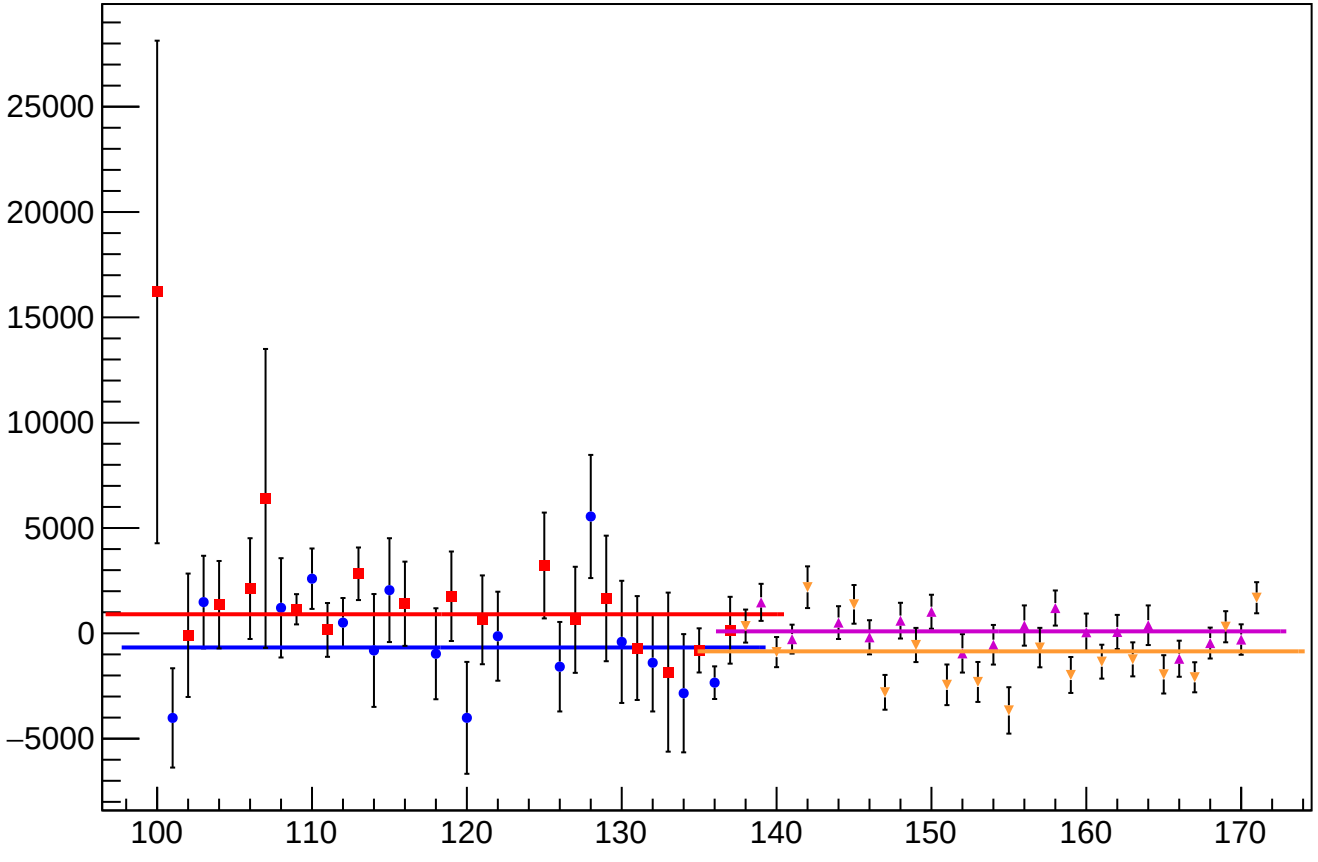
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1804.561+/-0.283 χ^2/NDF:306958.4/31

Out: 1799.559+/-0.281 χ^2/NDF:114906.1/34

All: 1802.036+/-0.199 χ^2/NDF: 422021.9/66

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -855.123+/-203.230 χ^2/NDF:56.1/16

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 94.128+/-206.506 χ^2/NDF:11.7/15

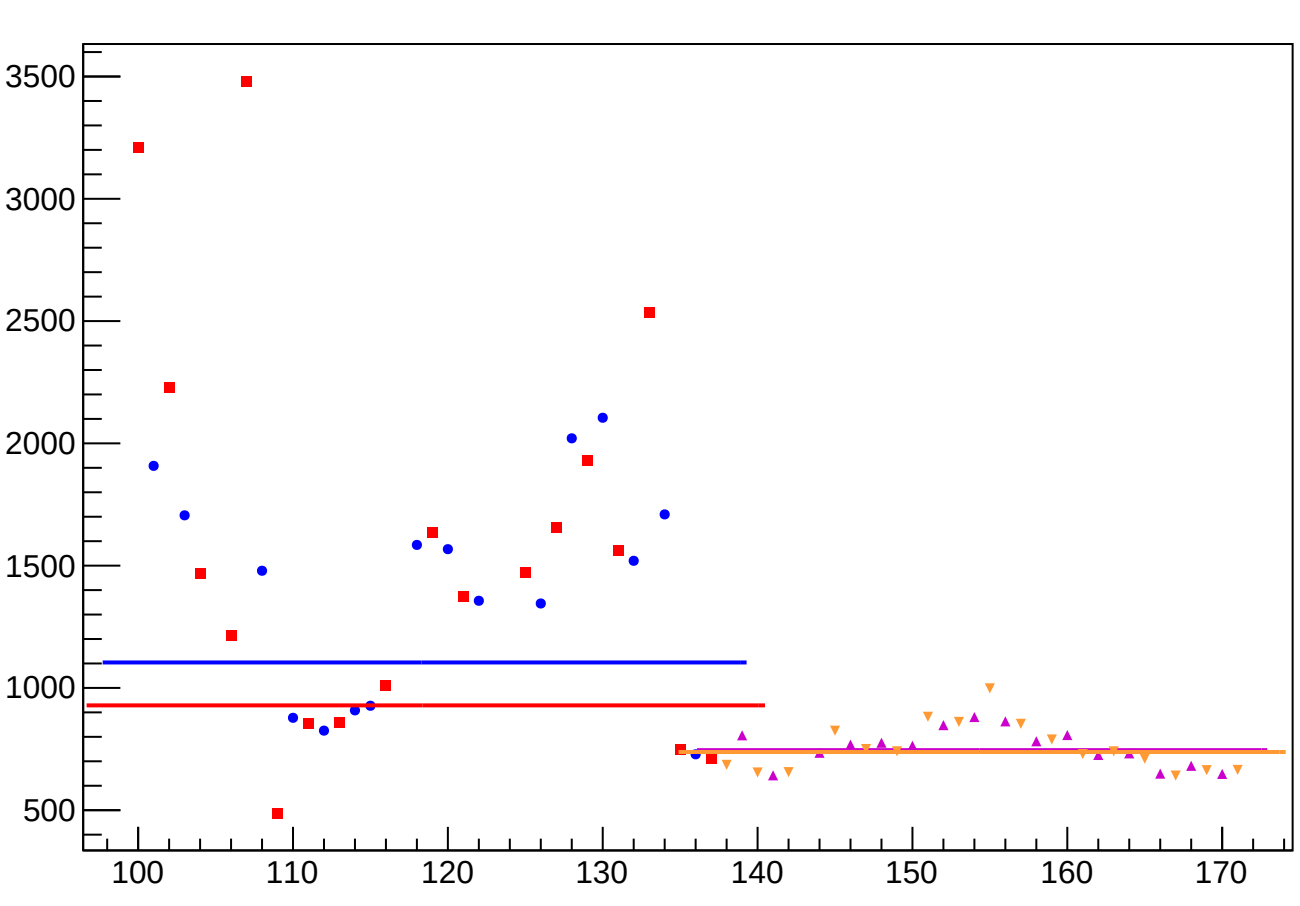
Left: -388.088+/-144.850 χ^2/NDF: 78.5/32

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: -42.623+/-187.132 χ^2/NDF:36.9/31

Out: -486.257+/-180.696 χ^2/NDF:82.3/34

All: -272.200+/-129.987 χ^2/NDF: 122.2/66


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3500
3000
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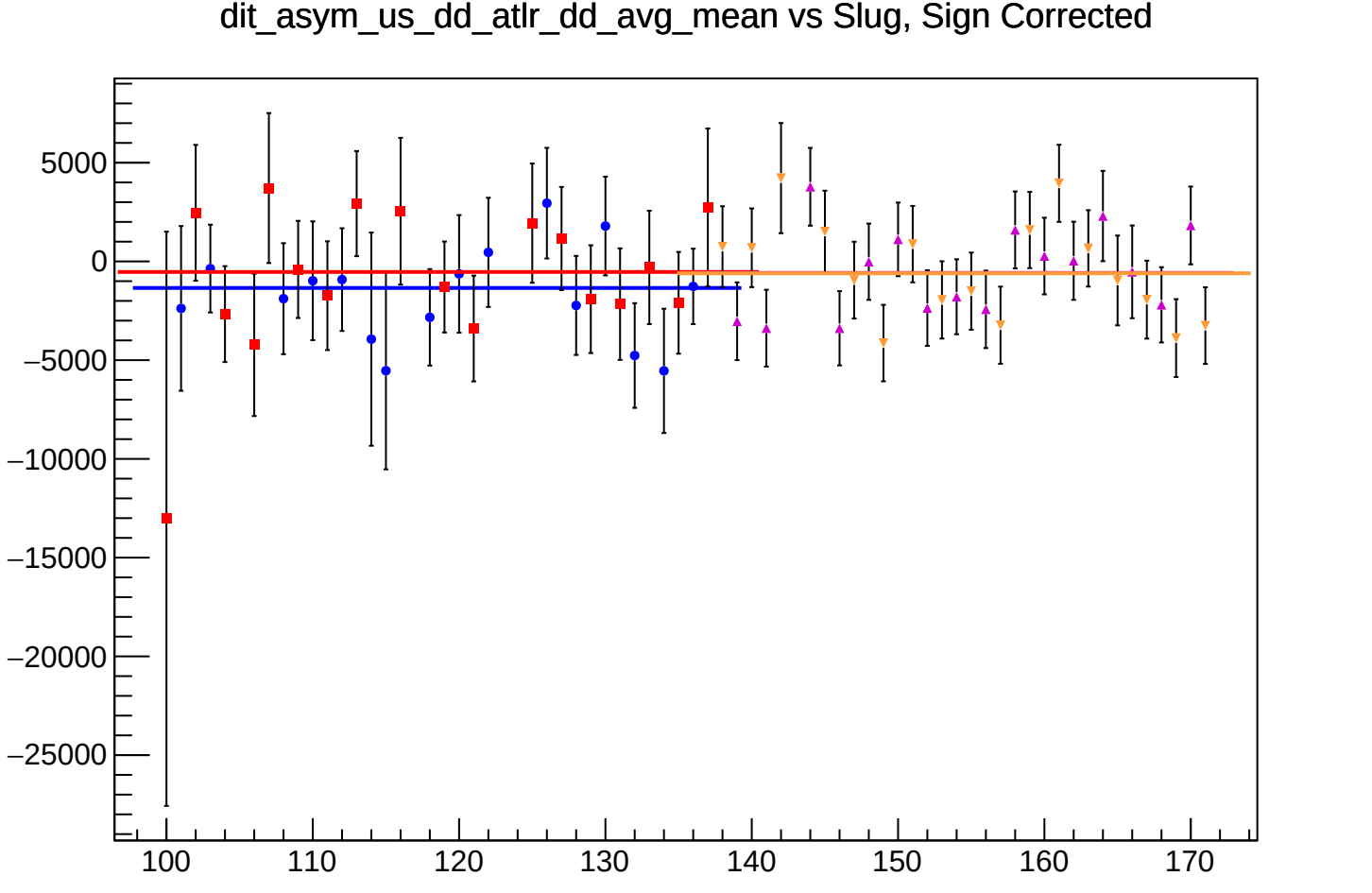
170
Right In: 1104.103+/-0.313 χ²/NDF: 1894482.2/15
Left Out: 737.945+/-0.144 χ²/NDF:374505.1/16
Right Out: 928.629+/-0.279 χ²/NDF: 3054381.5/17
Left In: 745.609+/-0.146 χ²/NDF:248682.7/15
Left: 741.716+/-0.102 χ²/NDF: 624587.2/32
Right: 1006.404+/-0.208 χ²/NDF: 5123967.6/33
In: 809.721+/-0.132 χ²/NDF:3221079.0/31
Out: 777.887+/-0.128 χ²/NDF:3797688.1/34
All: 793.247+/-0.092 χ²/NDF: 7048720.4/66



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: -584.009+/-492.684 χ^2/NDF:19.1/15

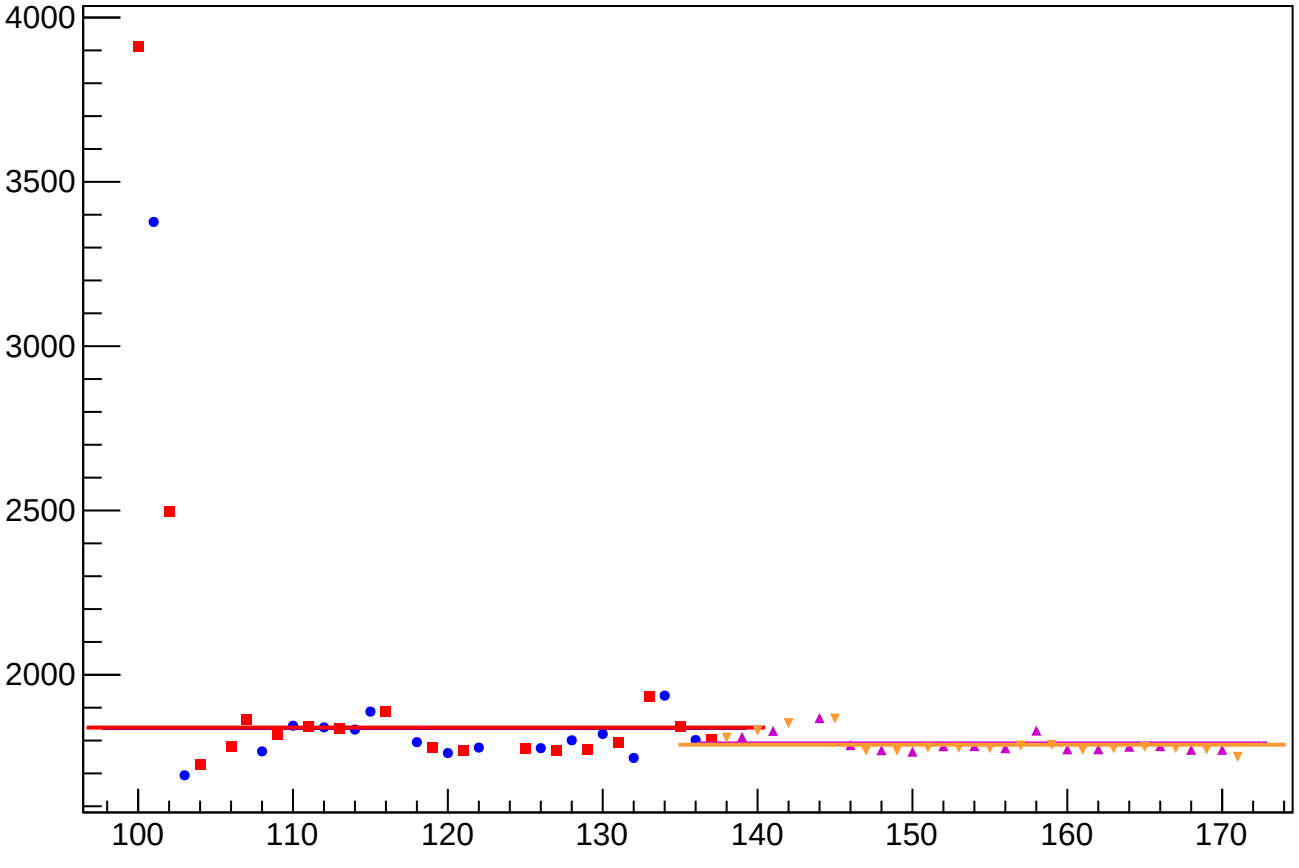
Left: -592.845+/-346.537 χ^2/NDF: 42.8/32

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -840.164+/-401.145 χ^2/NDF:29.6/31

Out: -579.128+/-398.345 χ^2/NDF:34.7/34

All: -708.732+/-282.657 χ^2/NDF: 64.5/66



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: 1791.282+/-0.348 χ^2/NDF:6429.7/15

Left: 1789.259+/-0.245 χ^2/NDF: 13289.3/32

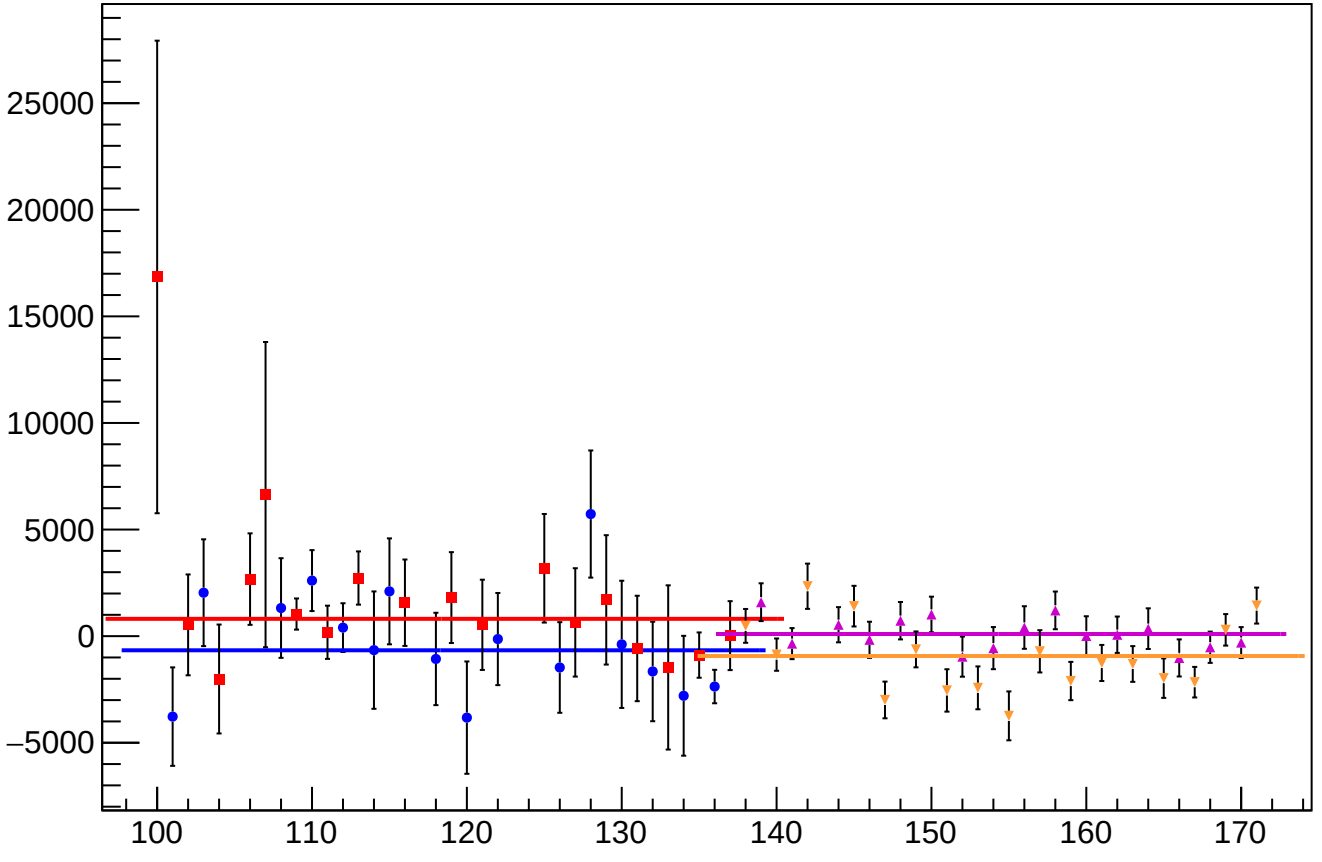
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1807.083+/-0.284 χ^2/NDF:304516.6/31

Out: 1804.640+/-0.282 χ^2/NDF:142678.5/34

All: 1805.853+/-0.200 χ^2/NDF: 447232.4/66

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -931.925+/-211.935 χ^2/NDF:52.3/16

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 100.293+/-213.628 χ^2/NDF:11.5/15

Left: -419.923+/-150.456 χ^2/NDF: 75.6/32

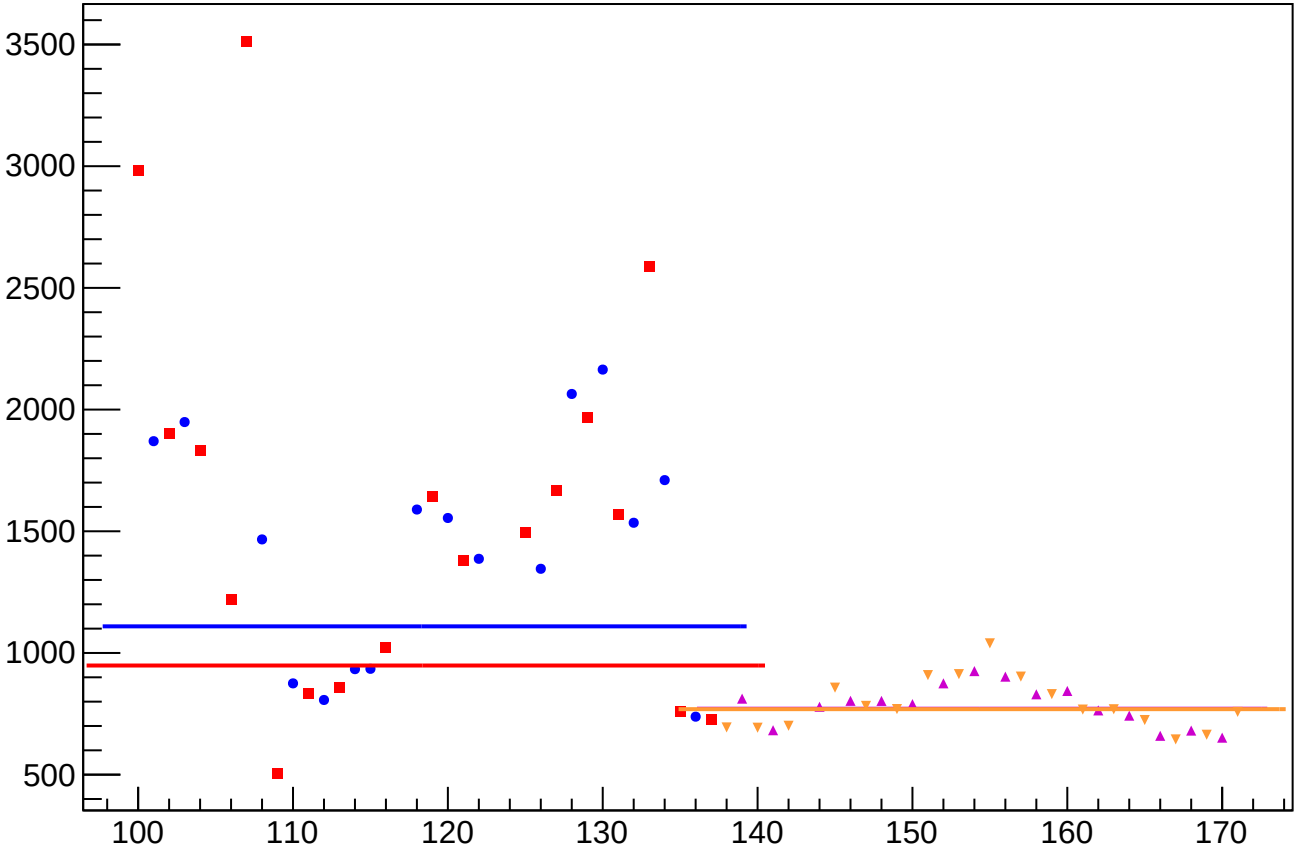
Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: -42.289+/-192.659 χ^2/NDF:36.6/31

Out: -545.397+/-186.981 χ^2/NDF:79.6/34

All: -301.365+/-134.178 χ^2/NDF: 119.7/66

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: 770.981+/-0.151 χ^2/NDF:288766.3/15

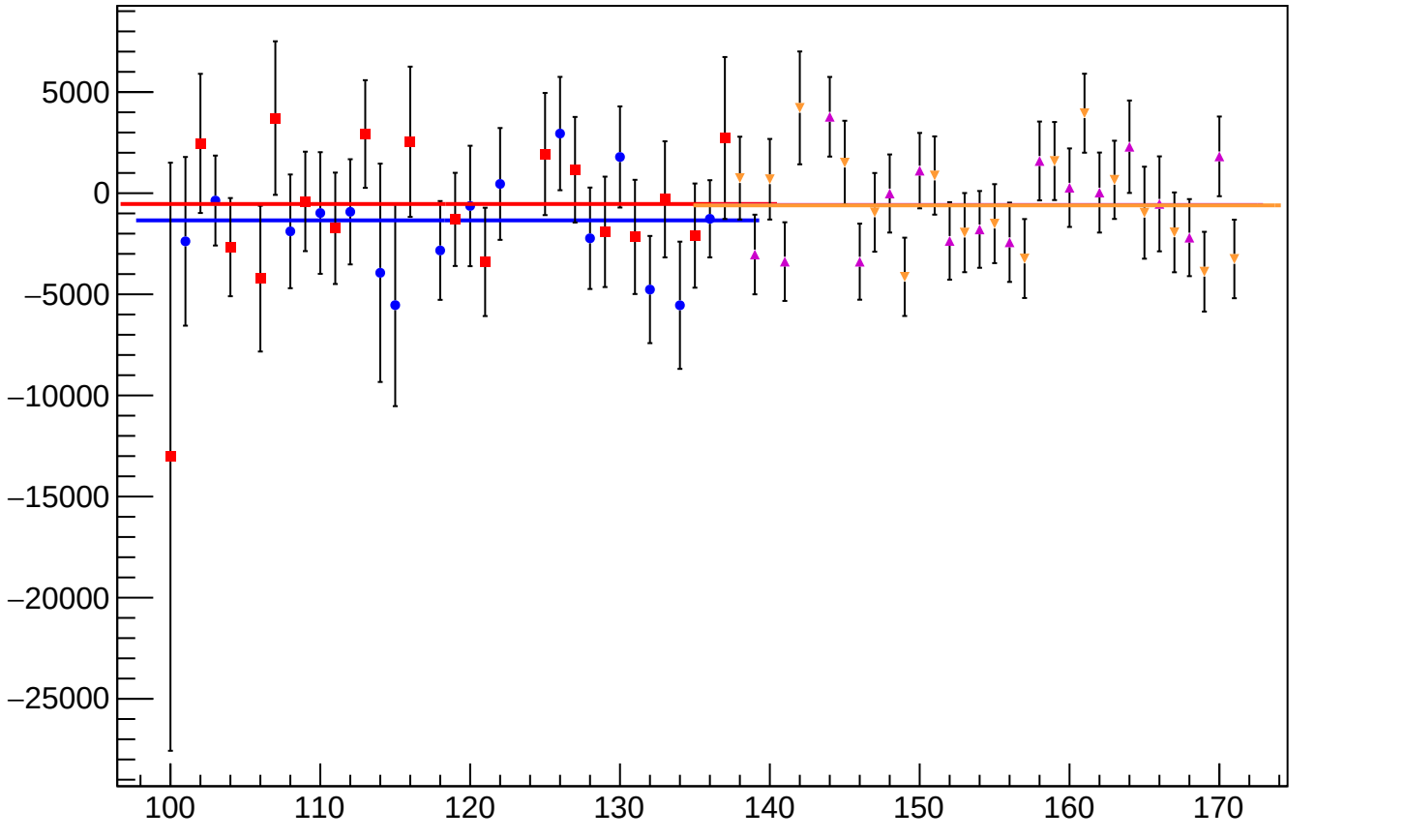
Left: 770.054+/-0.106 χ^2/NDF: 696225.3/32

Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 834.150+/-0.136 χ^2/NDF:3198874.0/31

Out: 808.876+/-0.132 χ^2/NDF:3778290.3/34

All: 821.135+/-0.095 χ^2/NDF: 6994888.1/66



Right In: -1343.955+/-690.940 χ^2/NDF: 9.6/15

Left Out: -601.495+/-487.512 χ^2/NDF:23.6/16

Right Out: -534.199+/-690.970 χ^2/NDF: 11.1/17

Left In: -584.008+/-492.684 χ^2/NDF:19.1/15

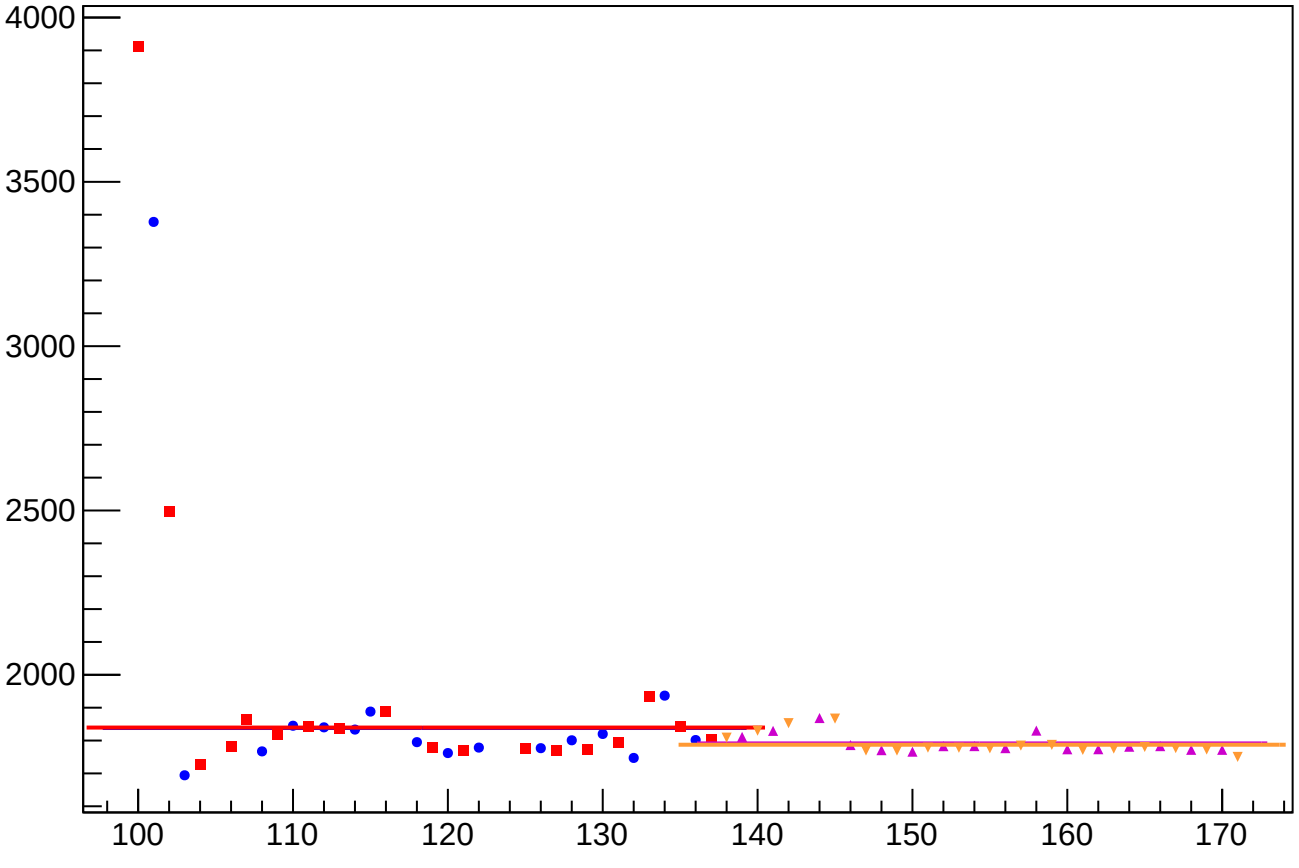
Left: -592.844+/-346.537 χ^2/NDF: 42.8/32

Right: -939.094+/-488.579 χ^2/NDF: 21.4/33

In: -840.165+/-401.145 χ^2/NDF:29.6/31

Out: -579.129+/-398.345 χ^2/NDF:34.7/34

All: -708.732+/-282.657 χ^2/NDF: 64.5/66



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: 1791.282+/-0.348 χ^2/NDF:6429.7/15

Left: 1789.259+/-0.245 χ^2/NDF: 13289.3/32

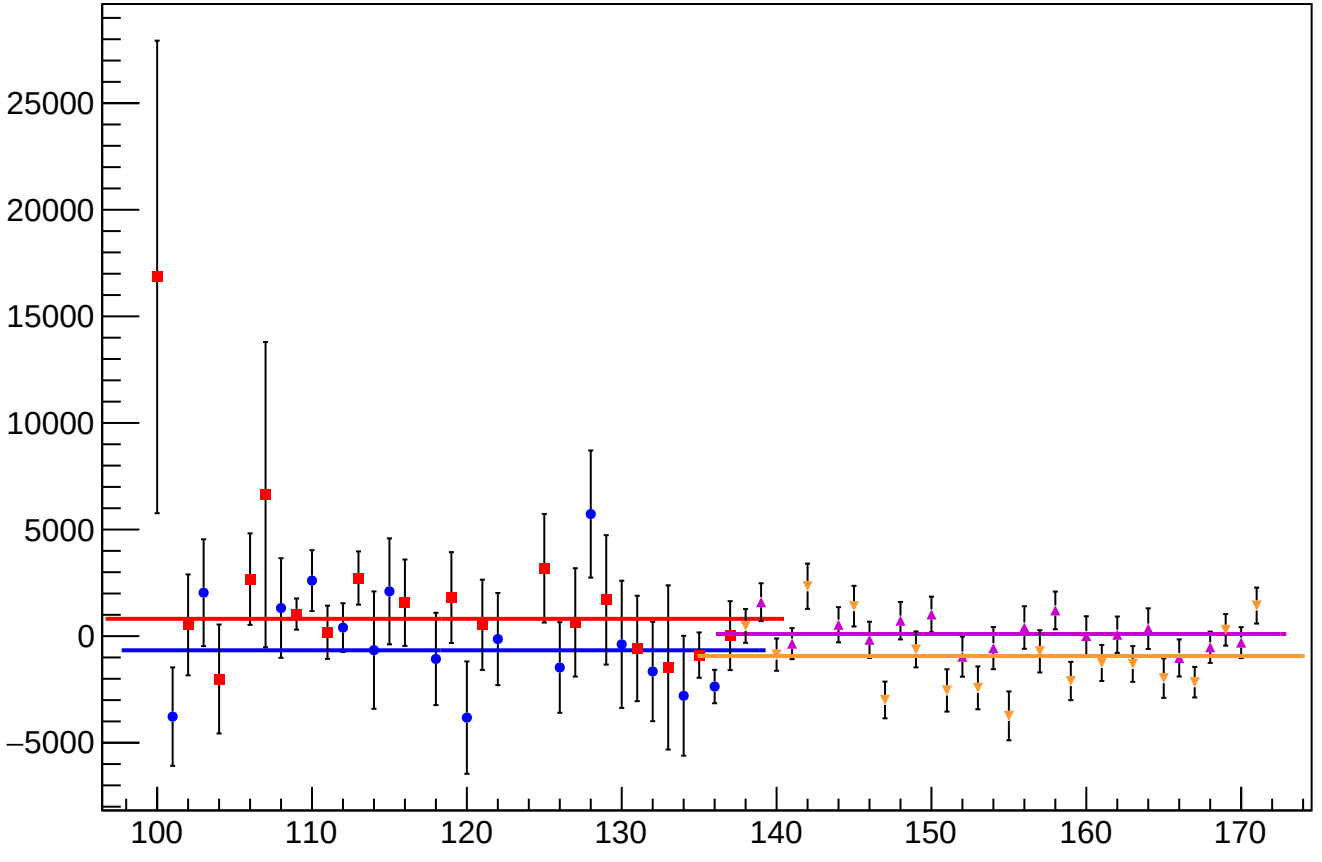
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1807.083+/-0.284 χ^2/NDF:304516.5/31

Out: 1804.640+/-0.282 χ^2/NDF:142678.6/34

All: 1805.853+/-0.200 χ^2/NDF: 447232.5/66

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: 100.290+/-213.628 χ^2/NDF:11.5/15

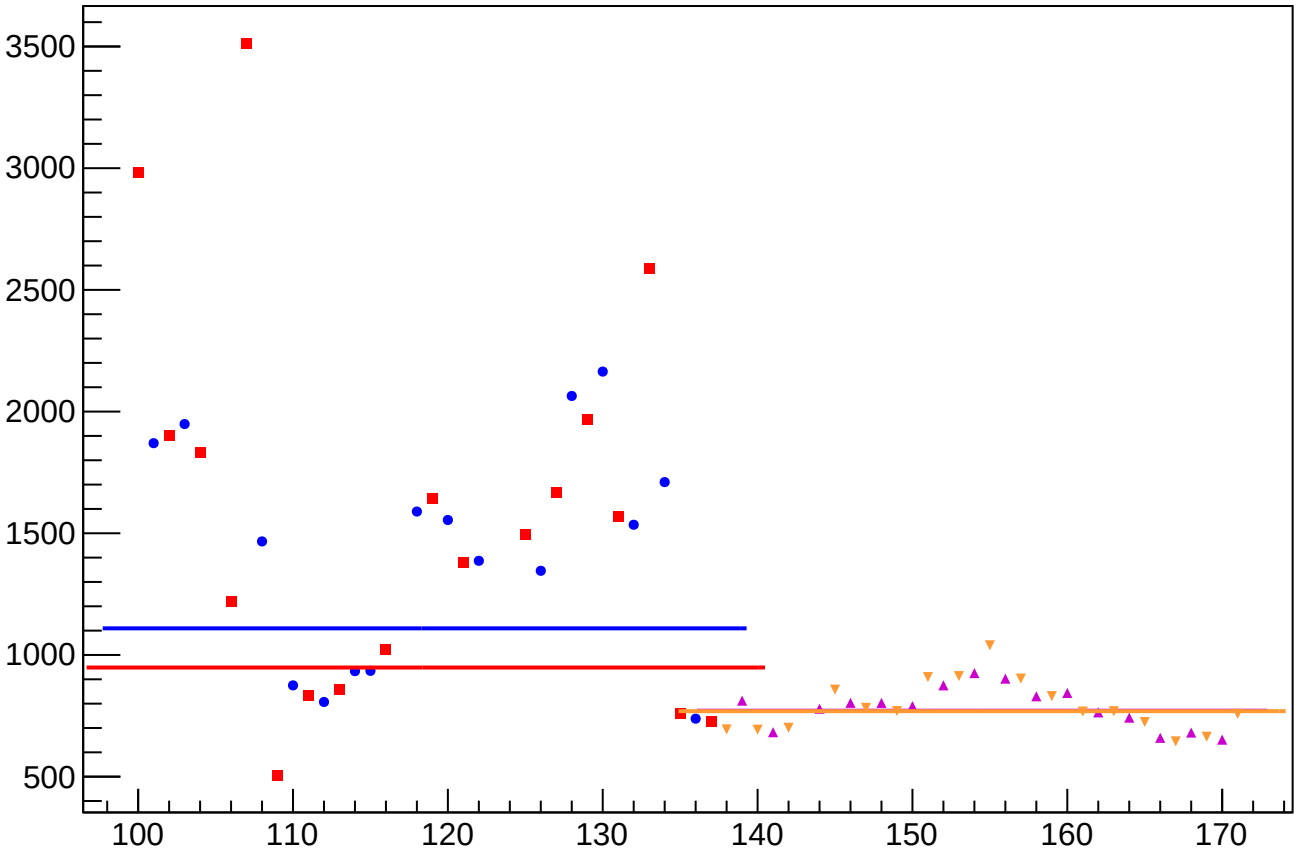
Left: -419.926+/-150.456 χ^2/NDF: 75.6/32

Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: -42.289+/-192.659 χ^2/NDF:36.6/31

Out: -545.398+/-186.981 χ^2/NDF:79.6/34

All: -301.366+/-134.178 χ^2/NDF: 119.7/66



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: 770.981+/-0.151 χ^2/NDF:288774.0/15

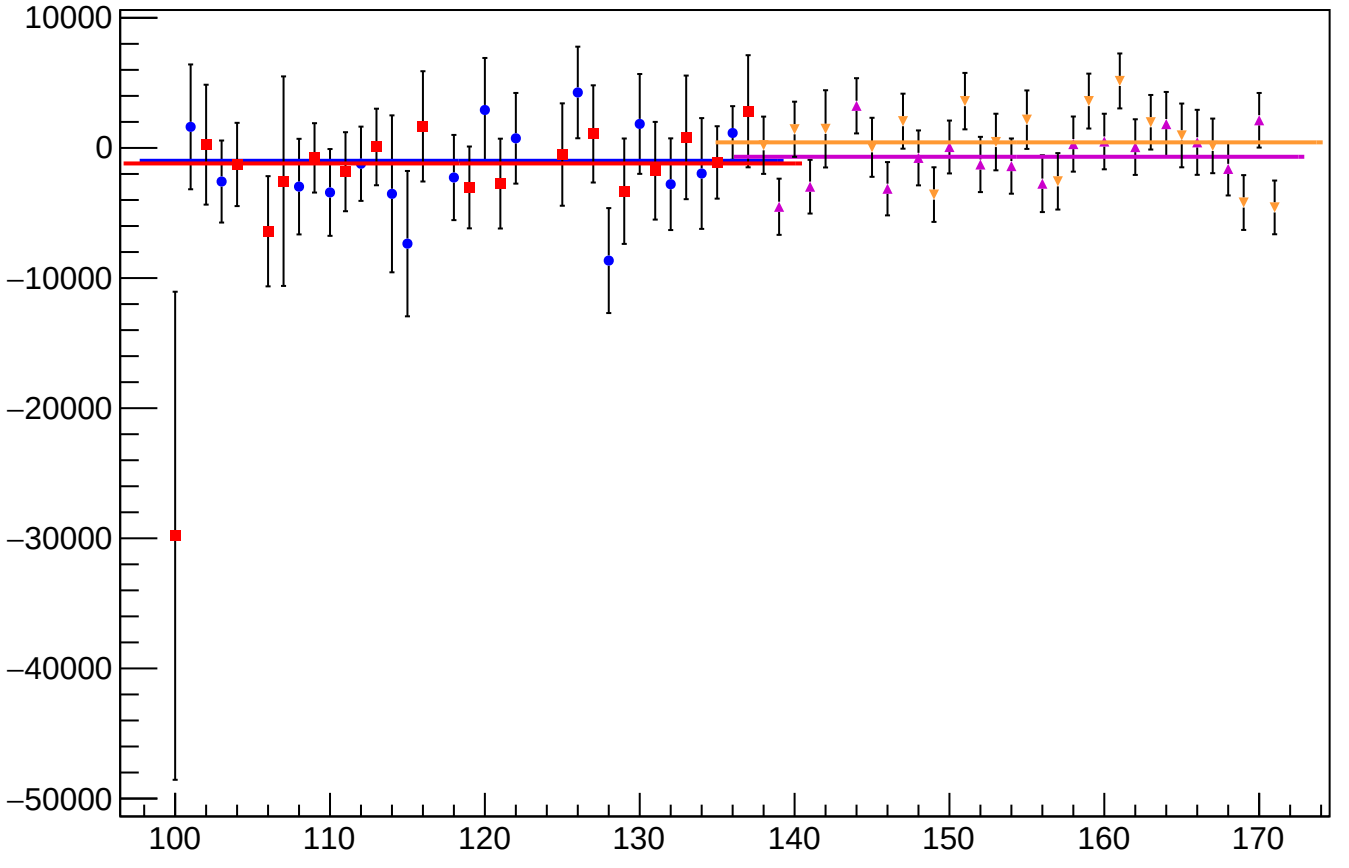
Left: 770.054+/-0.106 χ^2/NDF: 696225.1/32

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 834.150+/-0.136 χ^2/NDF:3198857.5/31

Out: 808.877+/-0.132 χ^2/NDF:3778261.8/34

All: 821.136+/-0.095 χ^2/NDF: 6994842.1/66



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: -679.072+/-535.924 χ^2/NDF:14.3/15

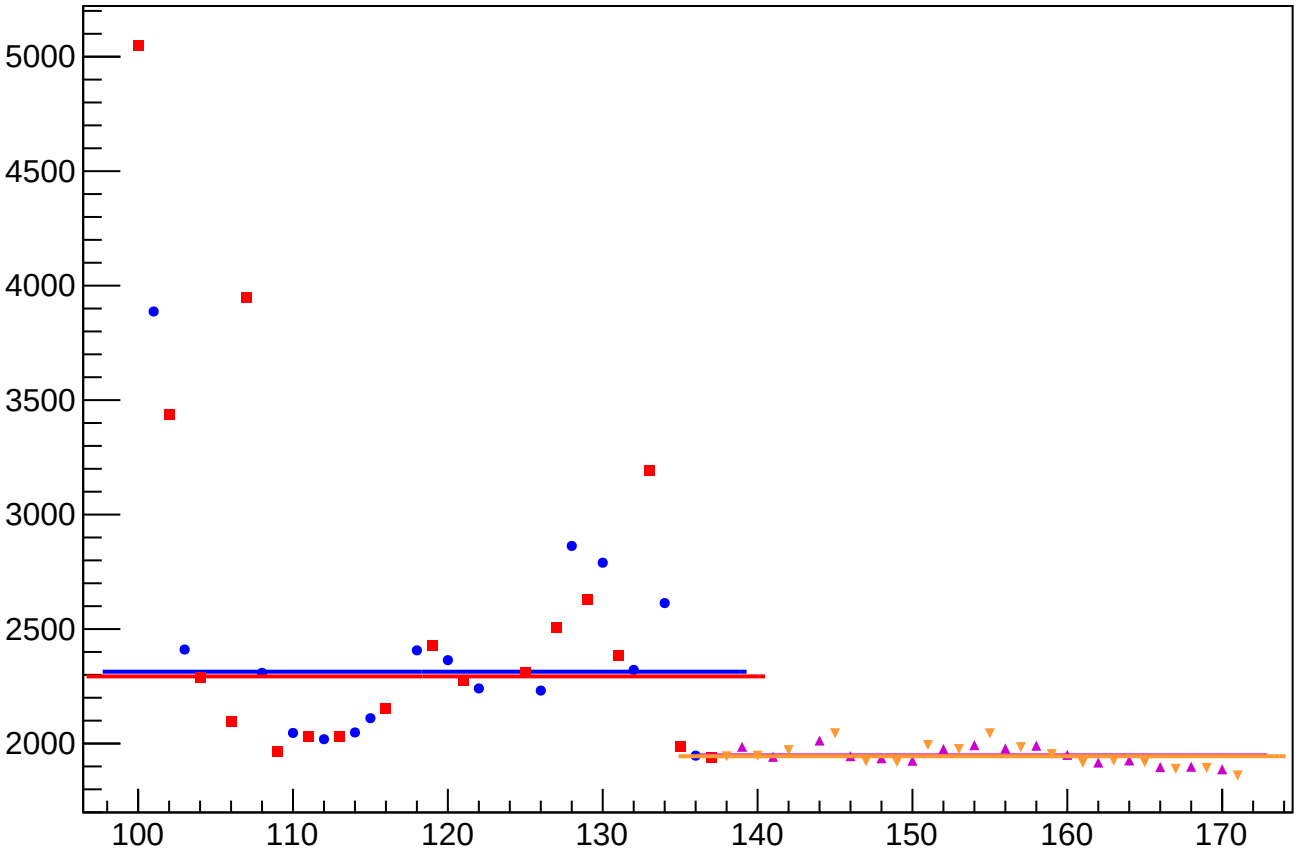
Left: -119.763+/-377.036 χ^2/NDF: 44.3/32

Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -763.383+/-456.849 χ^2/NDF:26.4/31

Out: -10.598+/-453.020 χ^2/NDF:37.3/34

All: -383.822+/-321.679 χ^2/NDF: 65.1/66



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: 1948.269+/-0.379 χ^2/NDF:9525.1/15

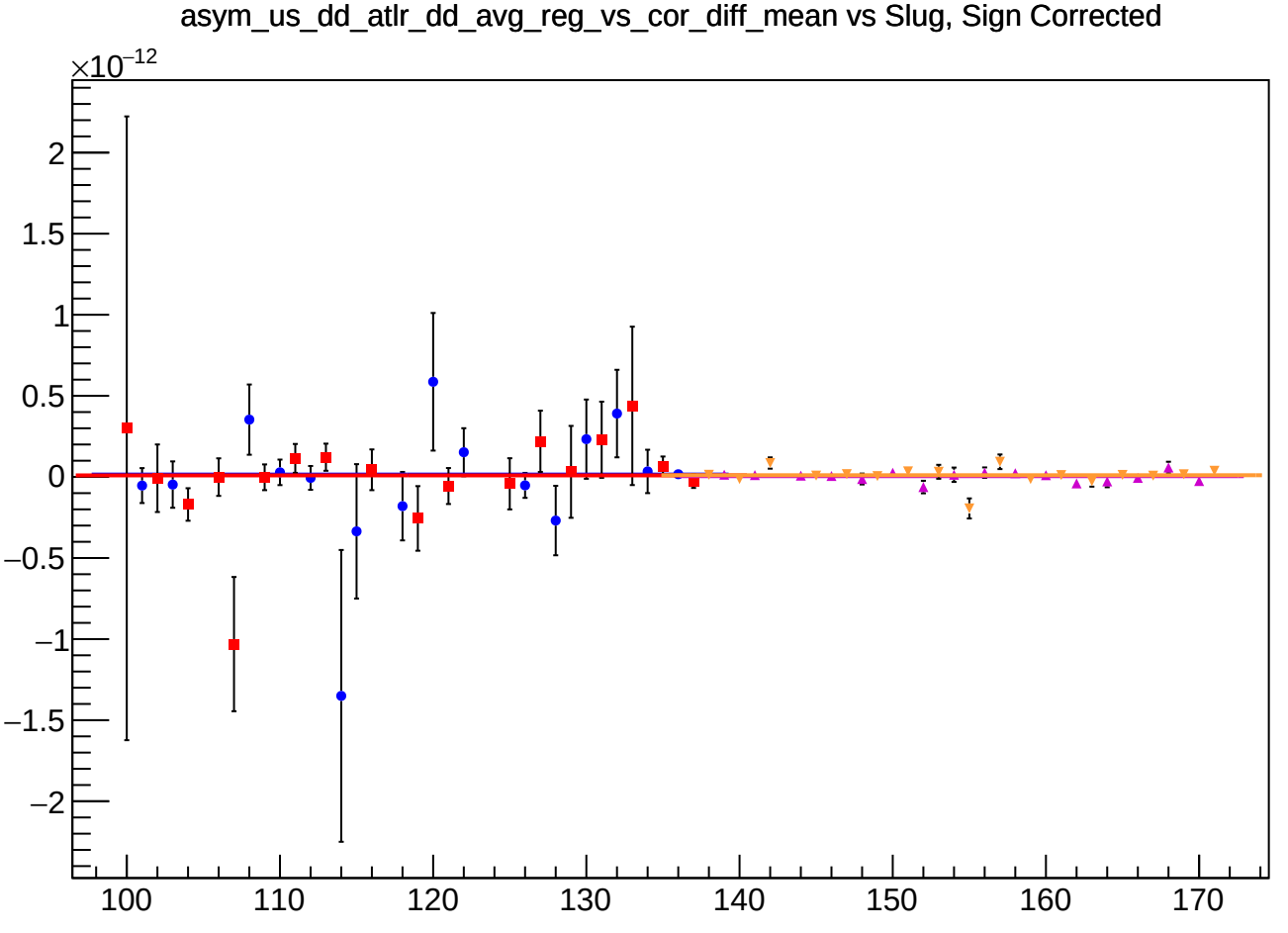
Left: 1946.391+/-0.267 χ^2/NDF: 26879.5/32

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2048.162+/-0.323 χ^2/NDF:666504.8/31

Out: 2039.011+/-0.320 χ^2/NDF:704570.1/34

All: 2043.548+/-0.227 χ^2/NDF: 1371479.6/66



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:13.0/15

Left: 0.000+/-0.000 χ^2/NDF: 38.7/32

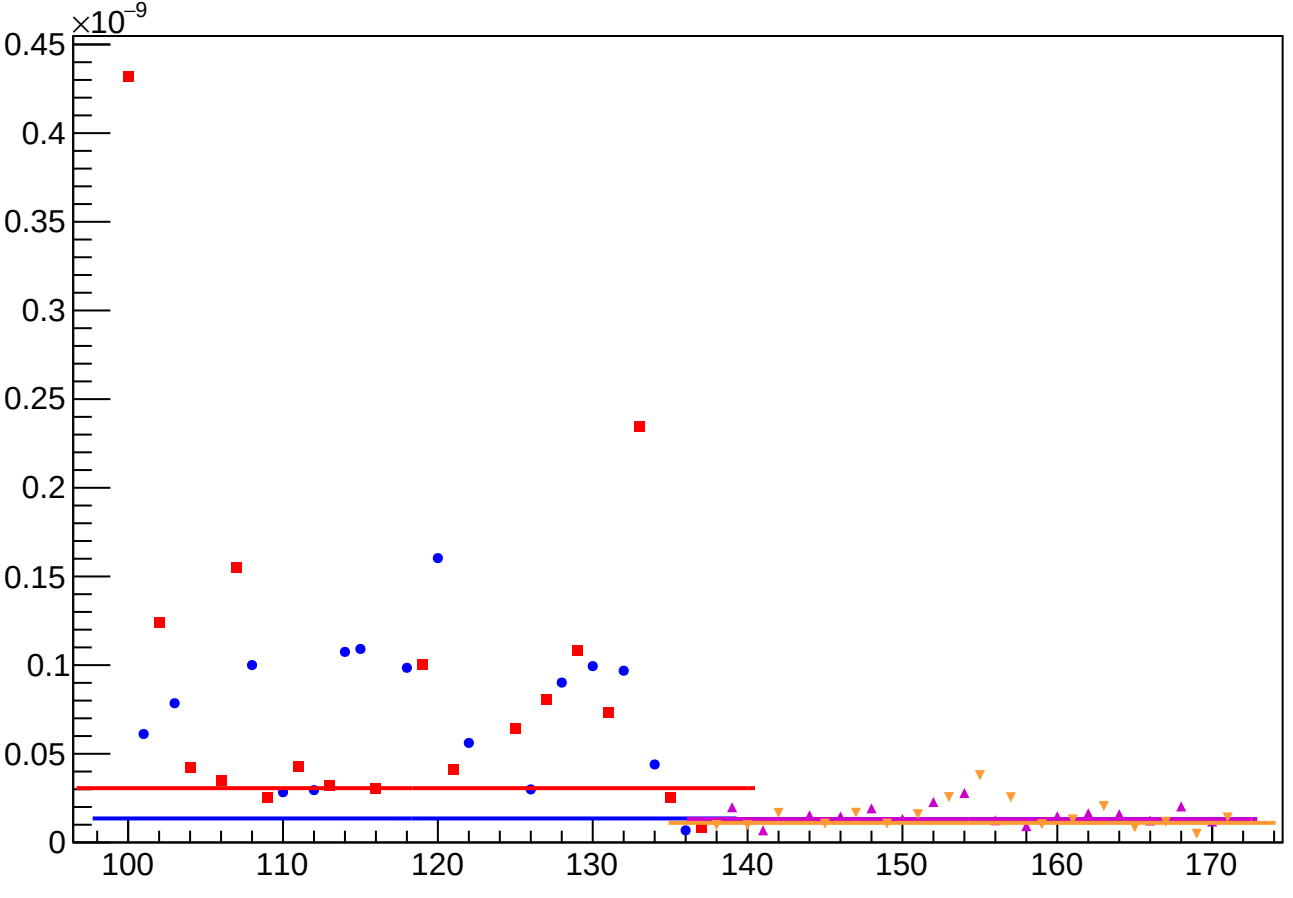
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:28.4/31

Out: 0.000+/-0.000 χ^2/NDF:44.8/34

All: 0.000+/-0.000 χ^2/NDF: 73.4/66

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3416094.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1700380.1/16

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1139115.4/15

Left: 0.000+/-0.000 χ^2/NDF: 2968566.6/32

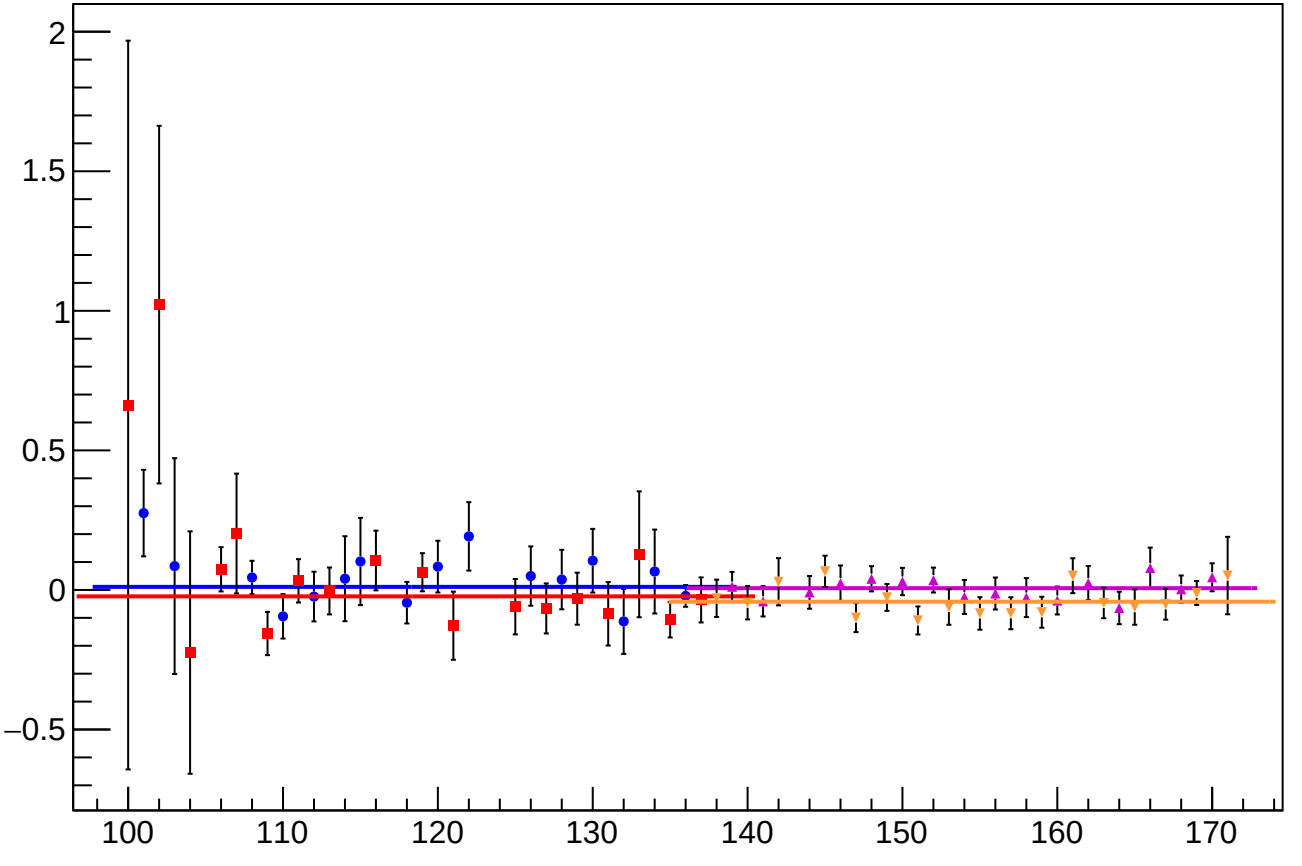
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4555960.7/31

Out: 0.000+/-0.000 χ^2/NDF:5298693.5/34

All: 0.000+/-0.000 χ^2/NDF: 9900114.3/66

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:12.6/16

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.006+/-0.014 χ^2/NDF:6.7/15

Left: -0.017+/-0.010 χ^2/NDF: 25.4/32

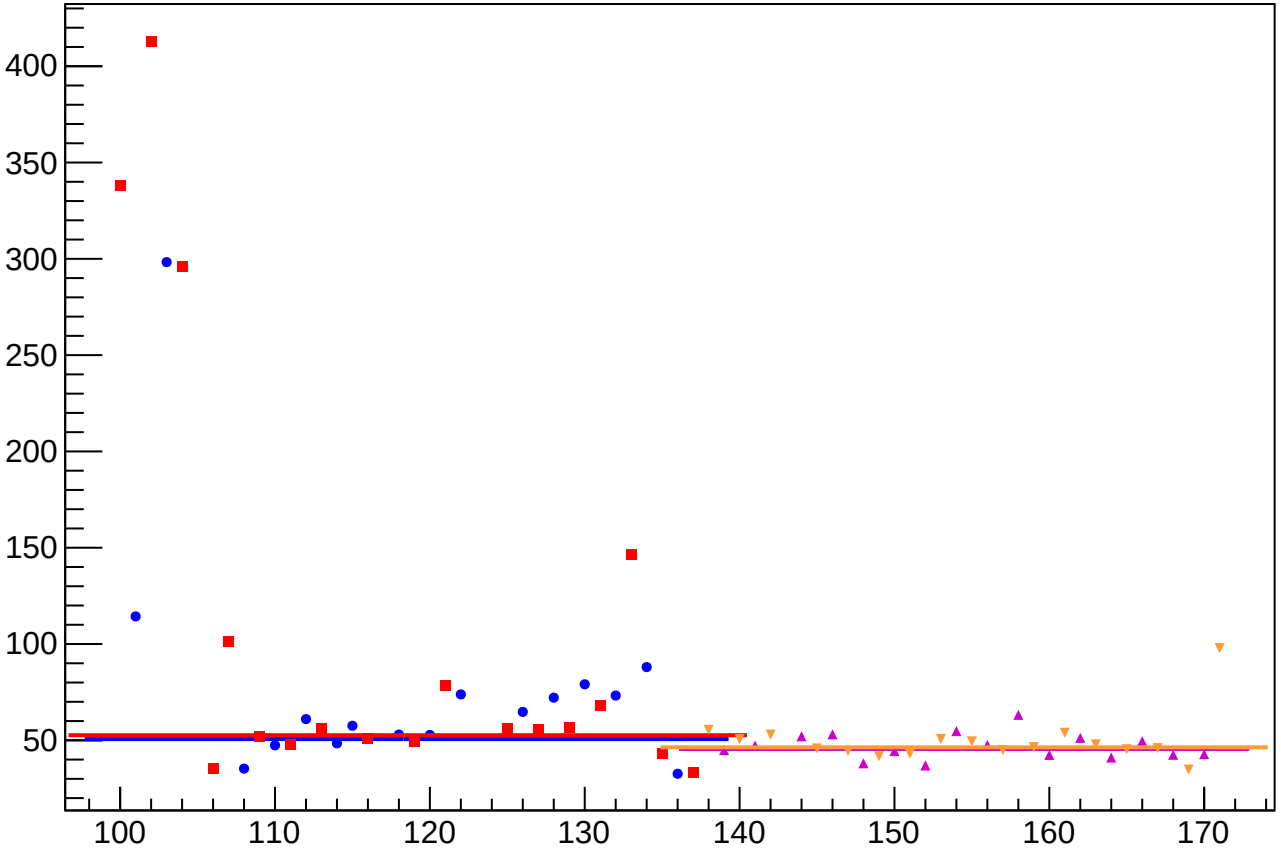
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.014+/-0.008 χ^2/NDF: 54.7/66

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: 45.526+/-0.010 χ^2/NDF:419413.5/15

Left: 45.929+/-0.007 χ^2/NDF: 980282.5/32

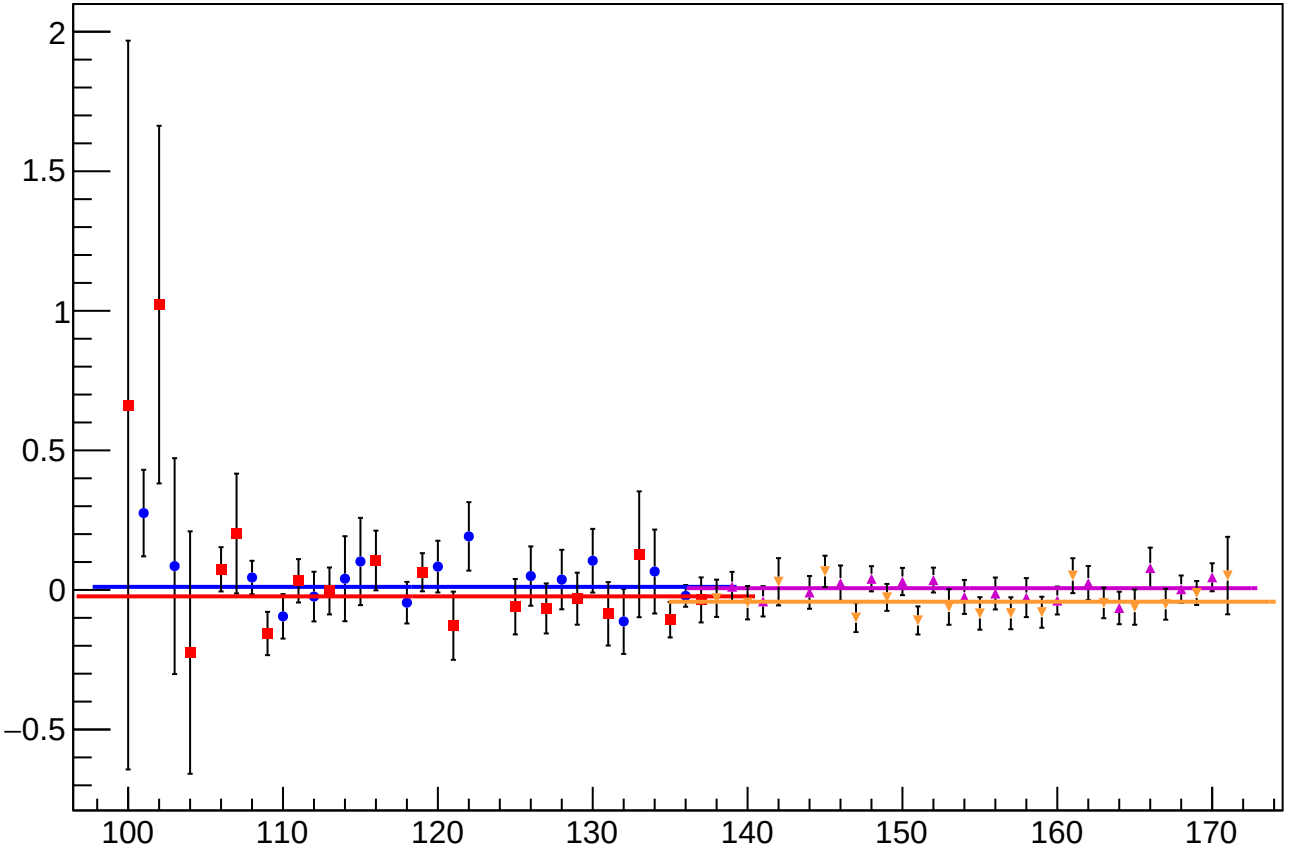
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 46.957+/-0.008 χ^2/NDF:2764798.7/31

Out: 48.051+/-0.008 χ^2/NDF:2878262.2/34

All: 47.485+/-0.006 χ^2/NDF: 5651694.8/66

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: 0.006+/-0.014 χ^2/NDF:6.7/15

Left: -0.017+/-0.010 χ^2/NDF: 25.4/32

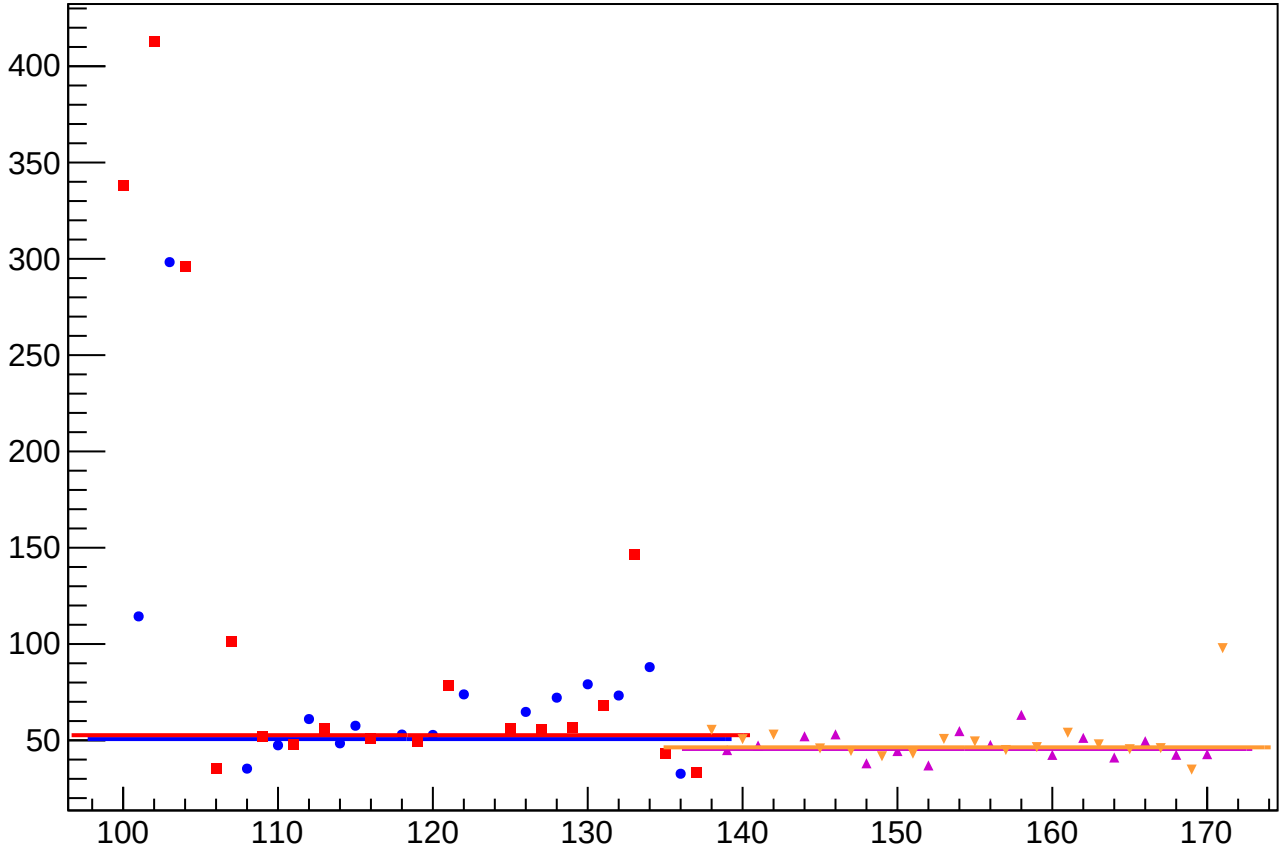
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.014+/-0.008 χ^2/NDF: 54.7/66

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: 45.526+/-0.010 χ^2/NDF:419413.5/15

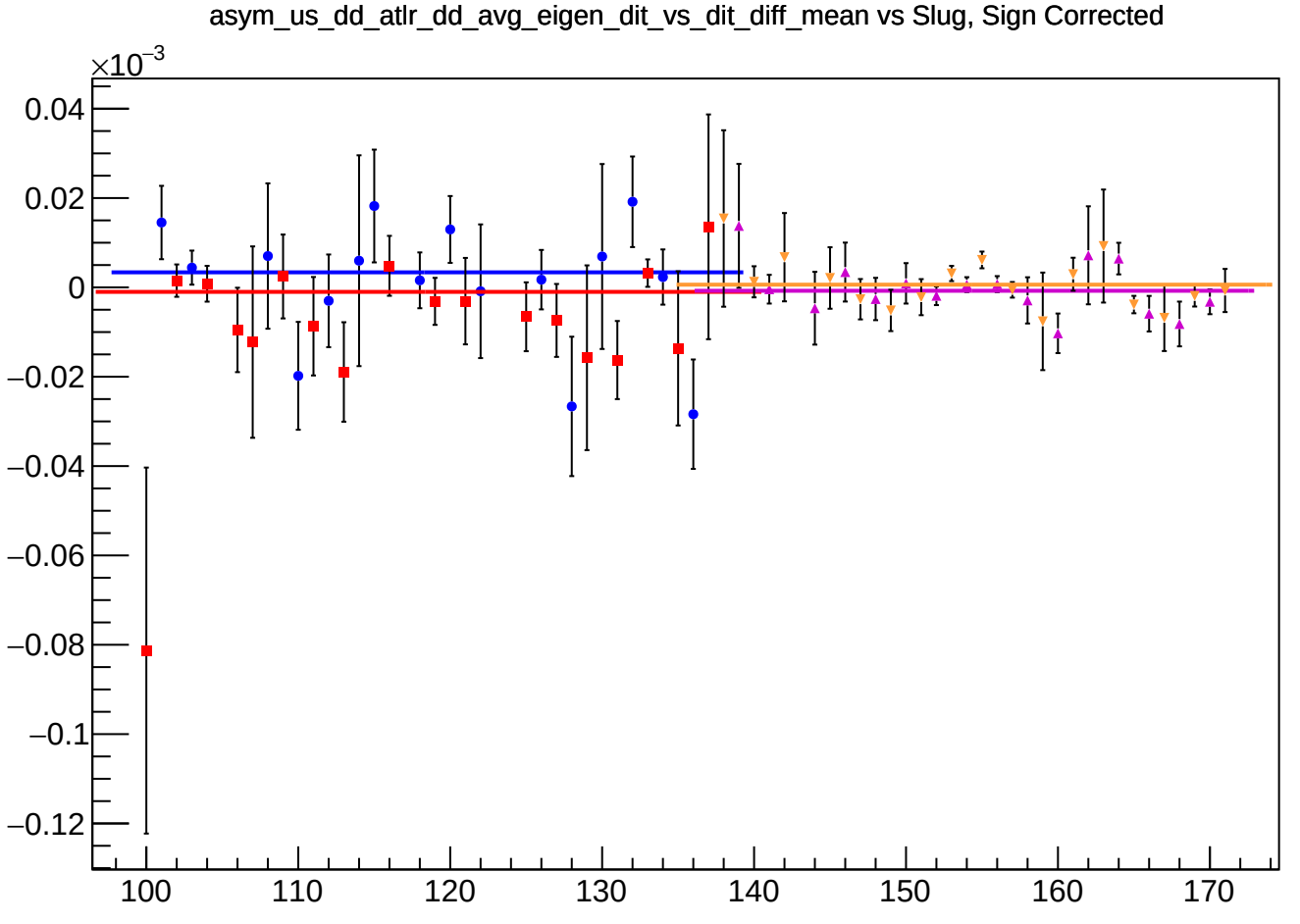
Left: 45.929+/-0.007 χ^2/NDF: 980282.5/32

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 46.957+/-0.008 χ^2/NDF:2764798.7/31

Out: 48.051+/-0.008 χ^2/NDF:2878262.2/34

All: 47.485+/-0.006 χ^2/NDF: 5651694.8/66



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:17.8/15

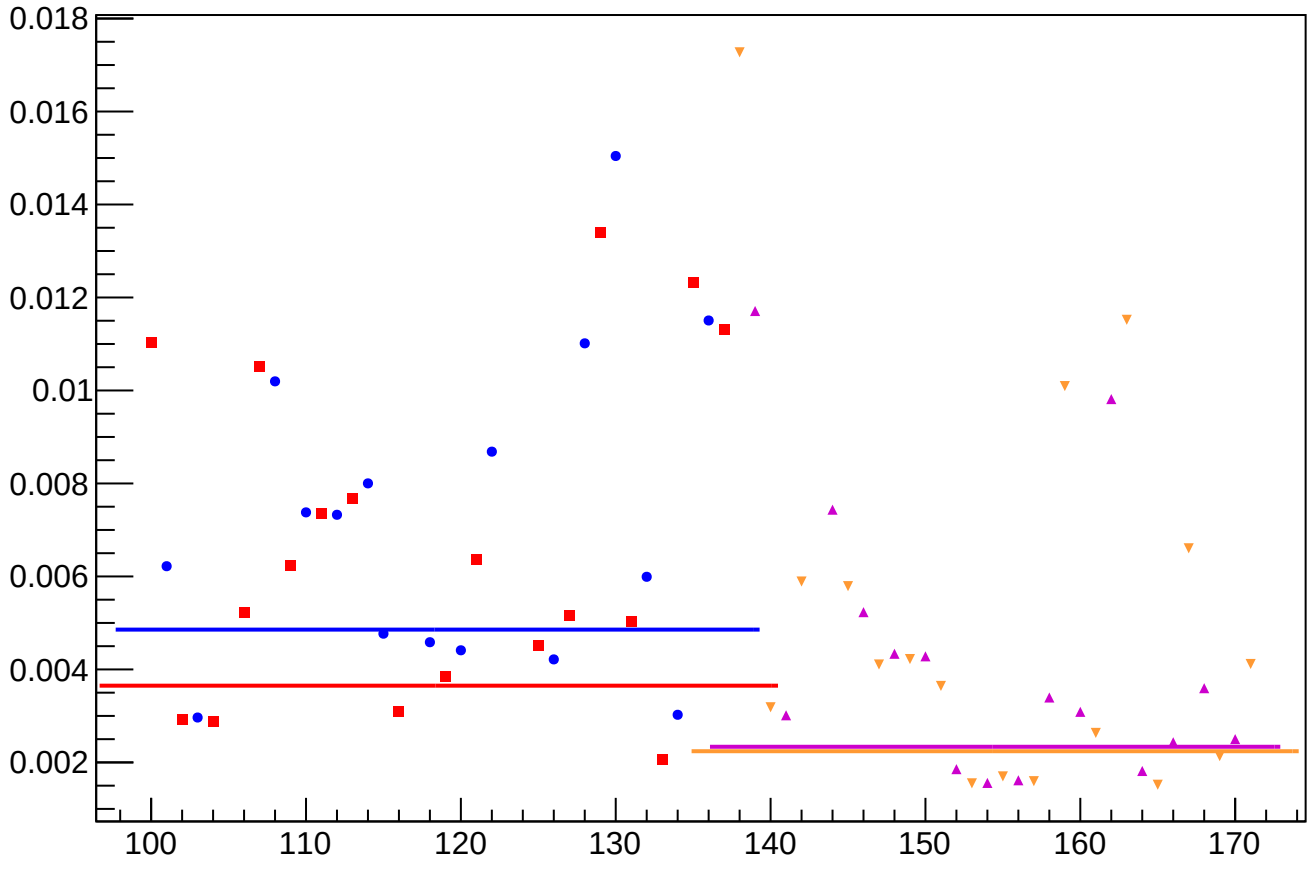
Left: -0.000+/-0.000 χ^2/NDF: 43.1/32

Right: 0.000+/-0.000 χ^2/NDF: 42.3/33

In: -0.000+/-0.000 χ^2/NDF:43.4/31

Out: 0.000+/-0.000 χ^2/NDF:41.9/34

All: 0.000+/-0.000 χ^2/NDF: 85.6/66



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:5014460.5/15

Left: 0.002+/-0.000 χ^2/NDF: 12260700.6/32

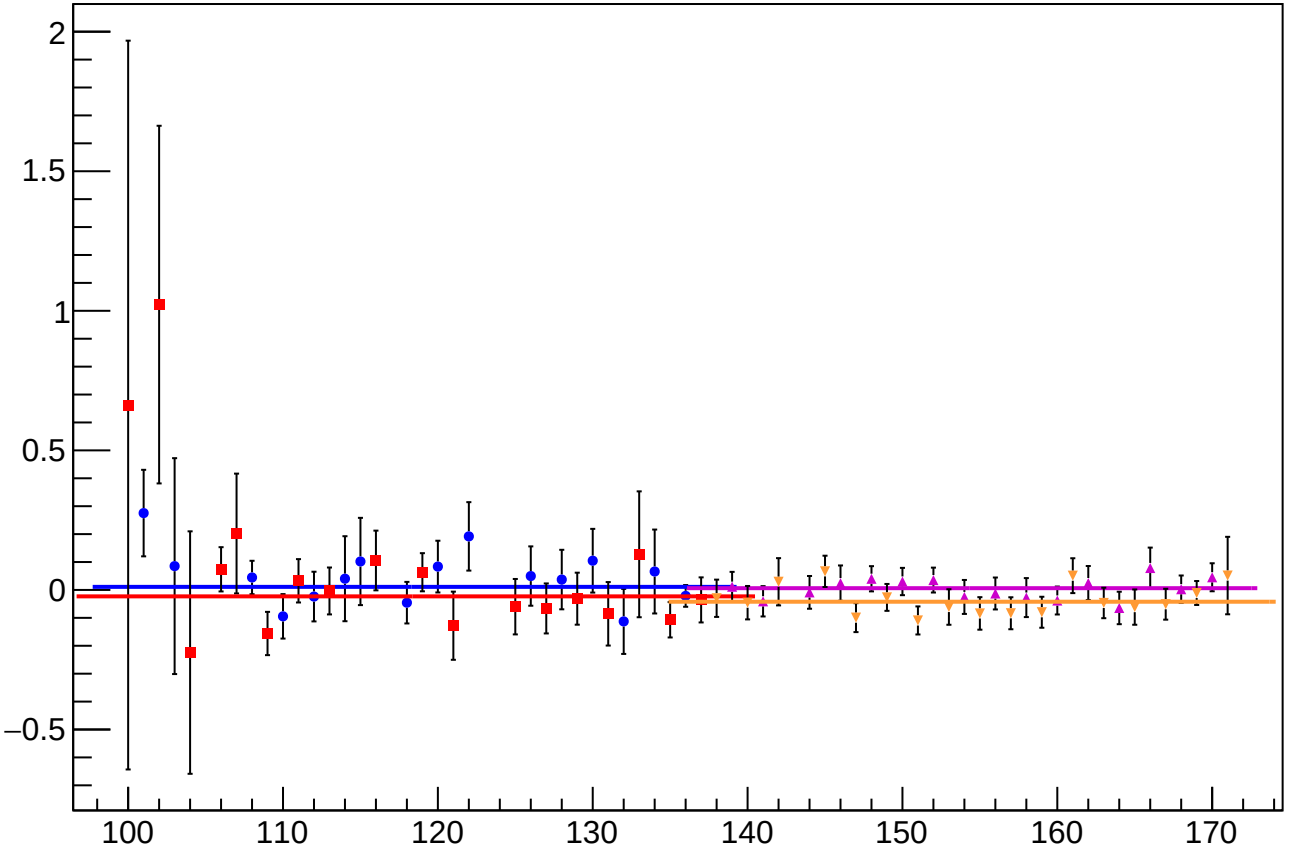
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.003+/-0.000 χ^2/NDF:10313466.5/31

Out: 0.002+/-0.000 χ^2/NDF:11662600.6/34

All: 0.003+/-0.000 χ^2/NDF: 22030221.4/66

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: 0.006+/-0.014 χ^2/NDF:6.7/15

Left: -0.017+/-0.010 χ^2/NDF: 25.4/32

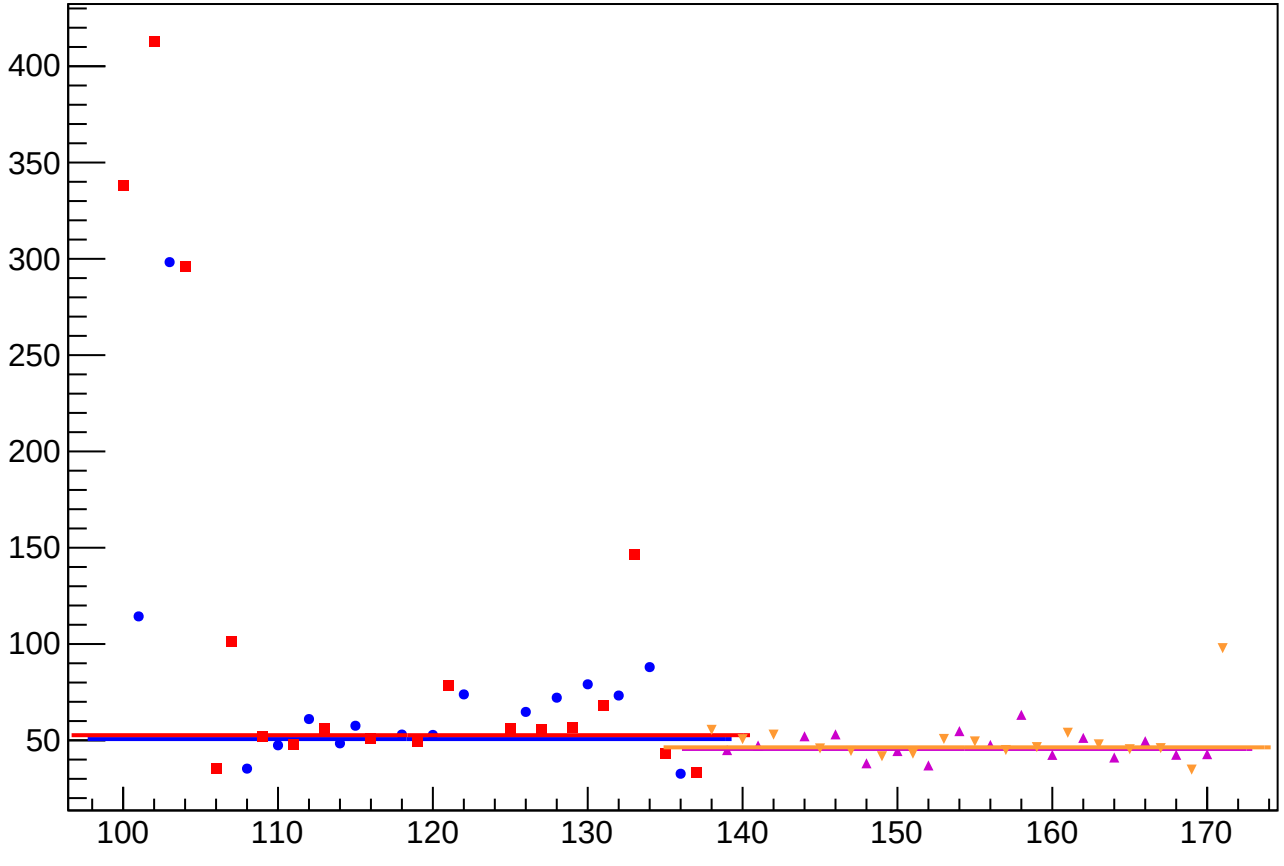
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.014+/-0.008 χ^2/NDF: 54.7/66

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: 45.526+/-0.010 χ^2/NDF:419374.3/15

Left: 45.929+/-0.007 χ^2/NDF: 980243.9/32

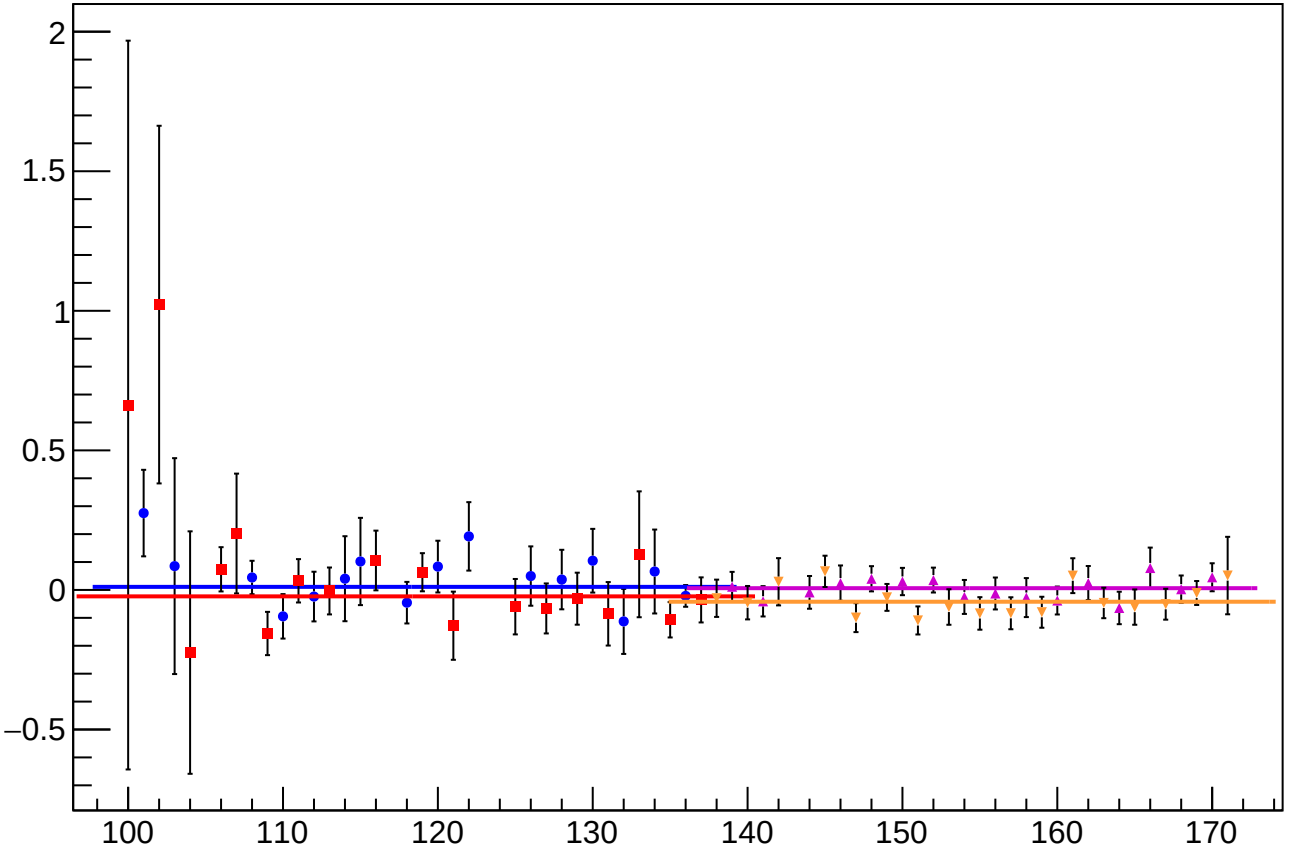
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 46.957+/-0.008 χ^2/NDF:2764668.4/31

Out: 48.051+/-0.008 χ^2/NDF:2878189.4/34

All: 47.485+/-0.006 χ^2/NDF: 5651486.1/66

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: 0.006+/-0.014 χ^2/NDF:6.7/15

Left: -0.017+/-0.010 χ^2/NDF: 25.4/32

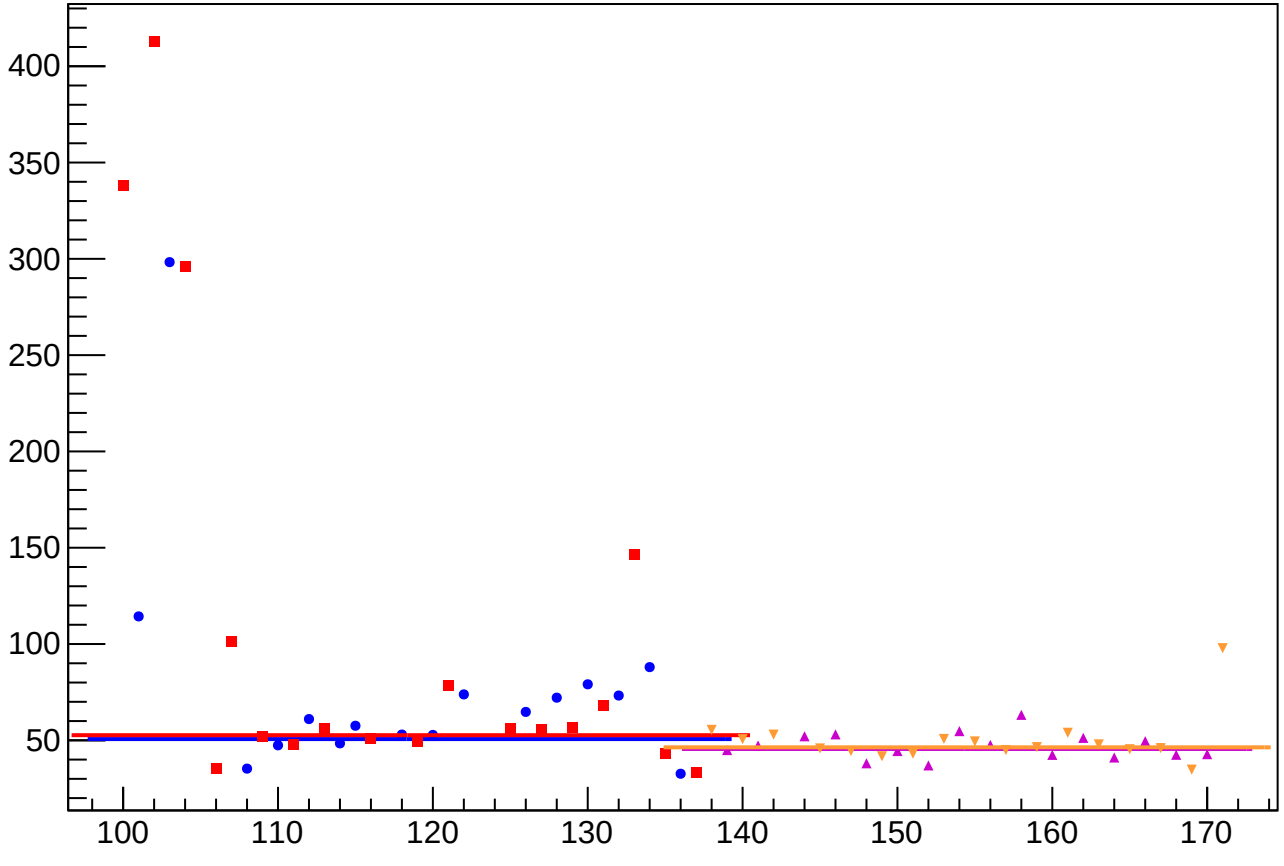
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:18.5/31

Out: -0.037+/-0.012 χ^2/NDF:29.0/34

All: -0.014+/-0.008 χ^2/NDF: 54.7/66

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: 45.526+/-0.010 χ^2/NDF:419374.3/15

Left: 45.929+/-0.007 χ^2/NDF: 980243.9/32

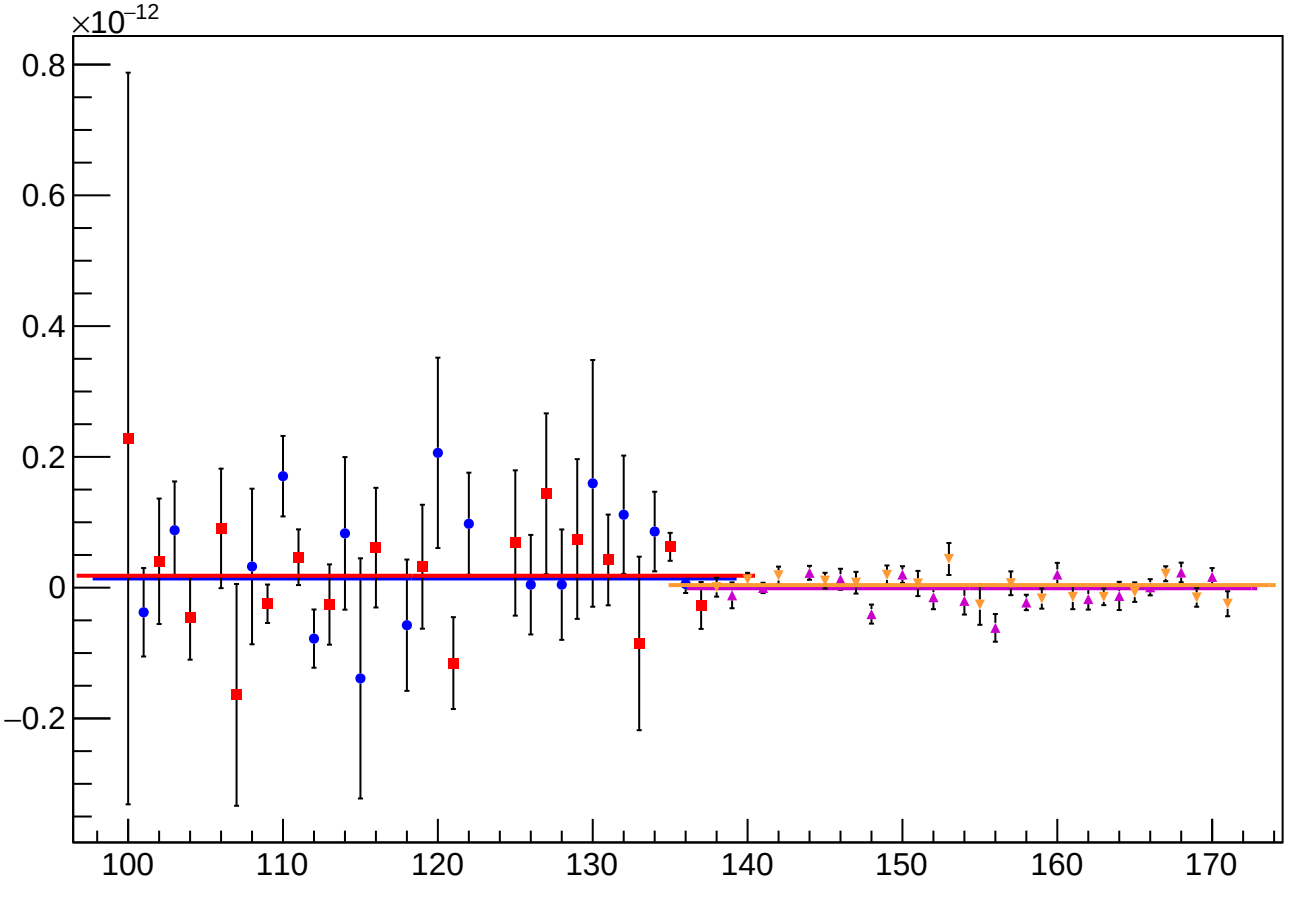
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 46.957+/-0.008 χ^2/NDF:2764668.4/31

Out: 48.051+/-0.008 χ^2/NDF:2878189.4/34

All: 47.485+/-0.006 χ^2/NDF: 5651486.1/66

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:36.0/15

Left: 0.000+/-0.000 χ^2/NDF: 55.7/32

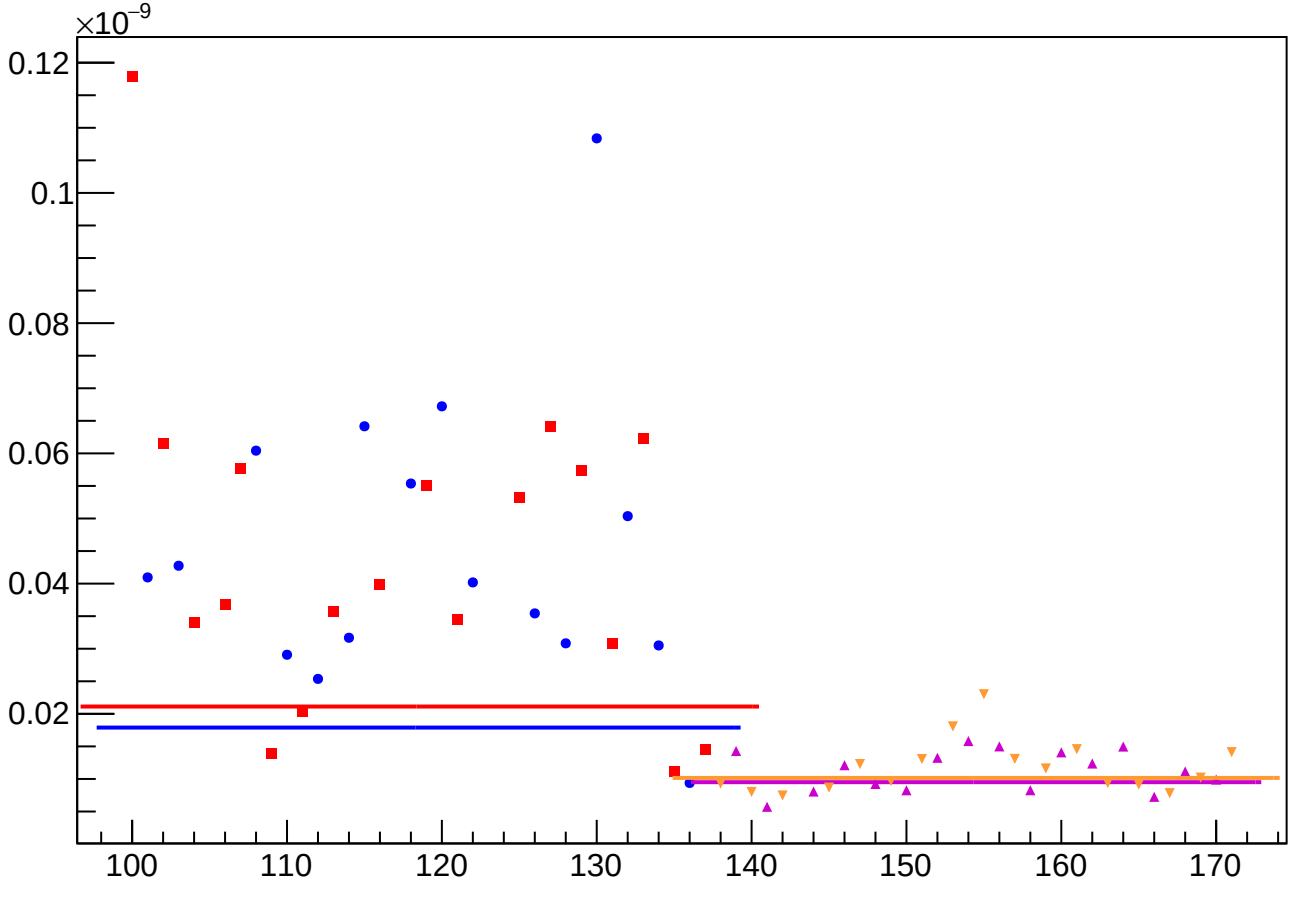
Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: 0.000+/-0.000 χ^2/NDF:57.9/31

Out: 0.000+/-0.000 χ^2/NDF:38.0/34

All: 0.000+/-0.000 χ^2/NDF: 96.9/66

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:1527304.6/15

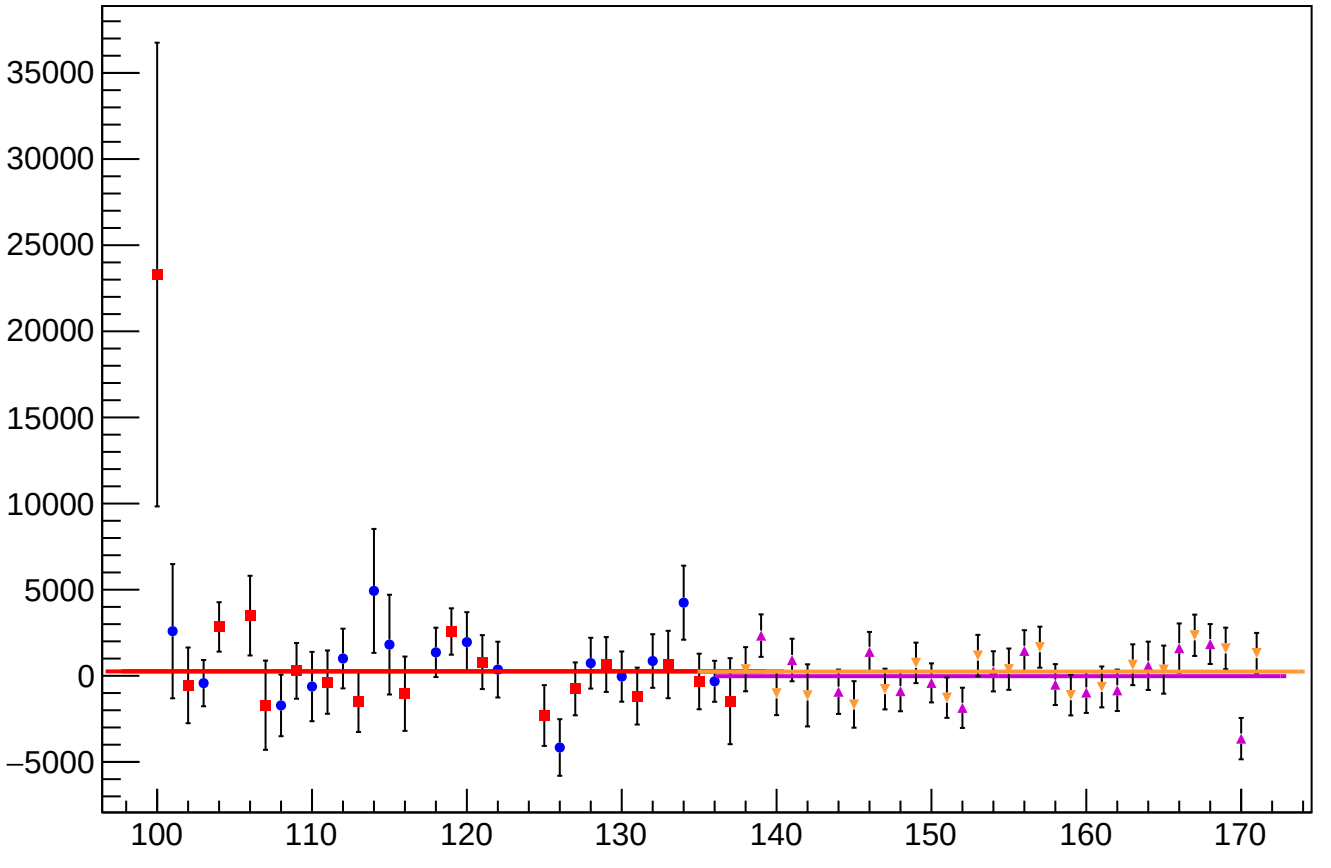
Left: 0.000+/-0.000 χ^2/NDF: 2775192.4/32

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5928169.8/31

Out: 0.000+/-0.000 χ^2/NDF:5248161.6/34

All: 0.000+/-0.000 χ^2/NDF: 11227355.8/66



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: -22.212+/-303.204 χ^2/NDF:25.3/15

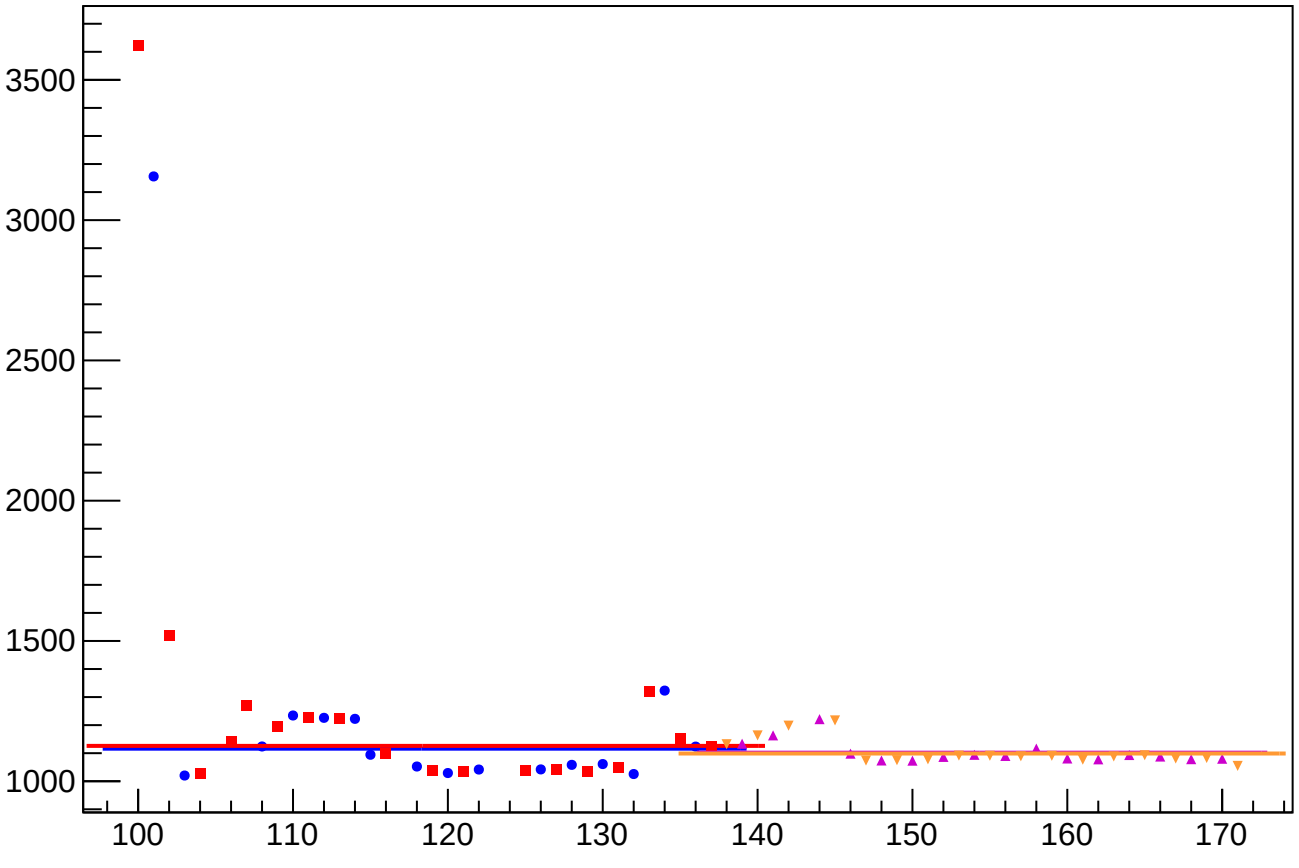
Left: 113.096+/-213.218 χ^2/NDF: 41.1/32

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 73.348+/-246.761 χ^2/NDF:42.6/31

Out: 248.937+/-245.184 χ^2/NDF:32.8/34

All: 161.706+/-173.926 χ^2/NDF: 75.6/66



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: 1101.842+/-0.214 χ^2/NDF:29937.1/15

Left: 1100.312+/-0.151 χ^2/NDF: 65120.3/32

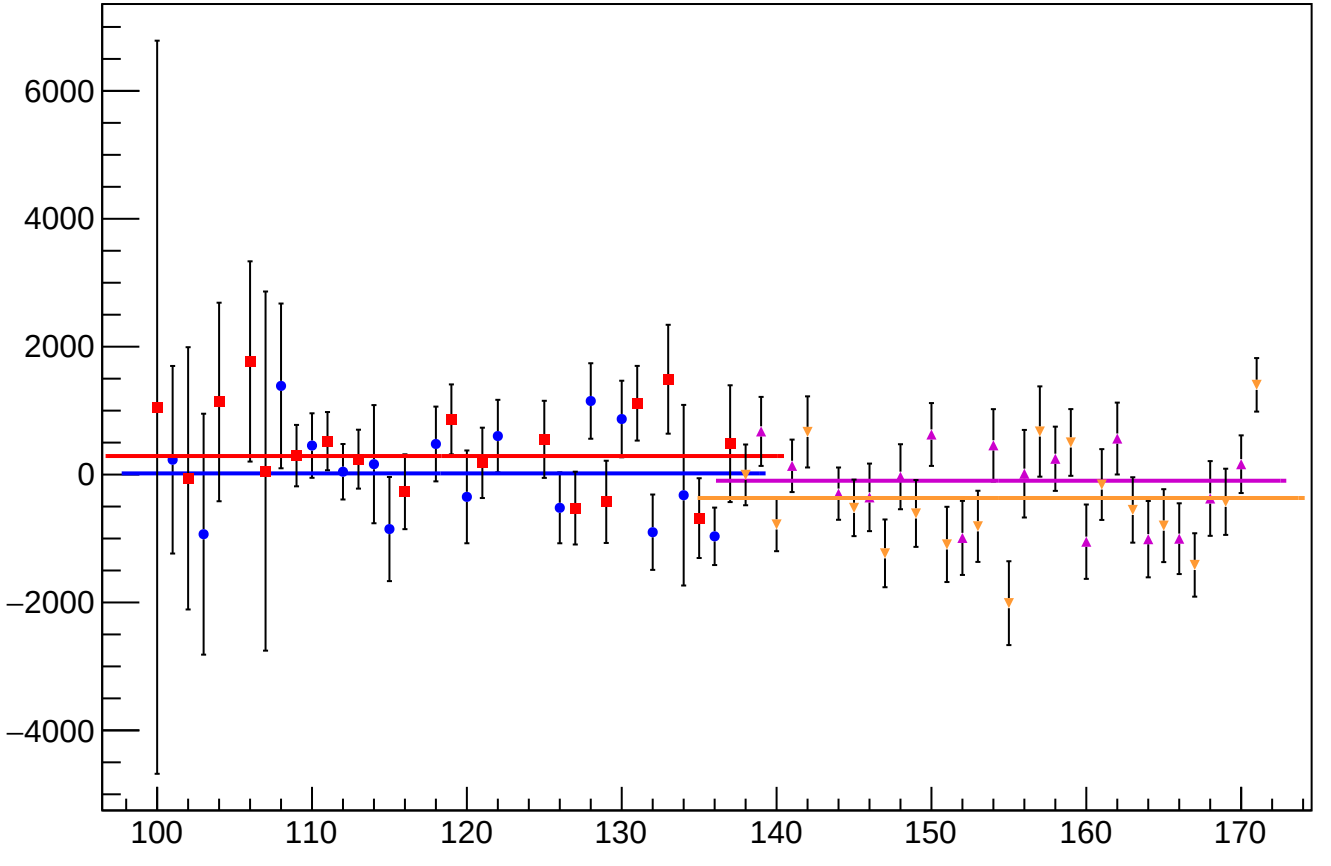
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1106.652+/-0.174 χ^2/NDF:654819.1/31

Out: 1107.834+/-0.173 χ^2/NDF:262644.2/34

All: 1107.247+/-0.123 χ^2/NDF: 917486.4/66

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: -96.418+/-129.967 χ^2/NDF:18.5/15

Left: -236.108+/-90.272 χ^2/NDF: 65.3/32

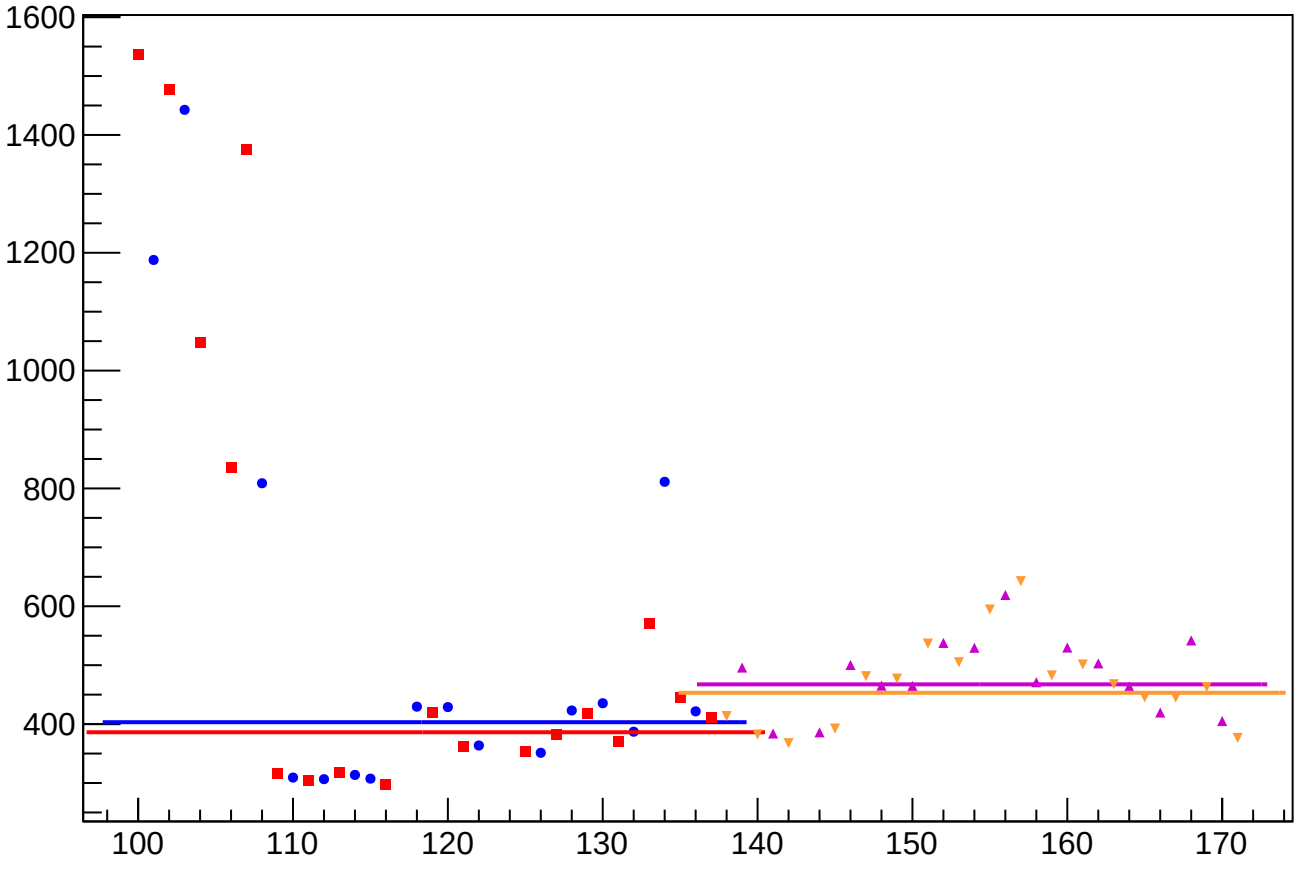
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: -51.171+/-101.187 χ^2/NDF:38.0/31

Out: -108.896+/-97.821 χ^2/NDF:68.8/34

All: -81.010+/-70.330 χ^2/NDF: 107.0/66

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: 467.454+/-0.092 χ^2/NDF:444280.0/15

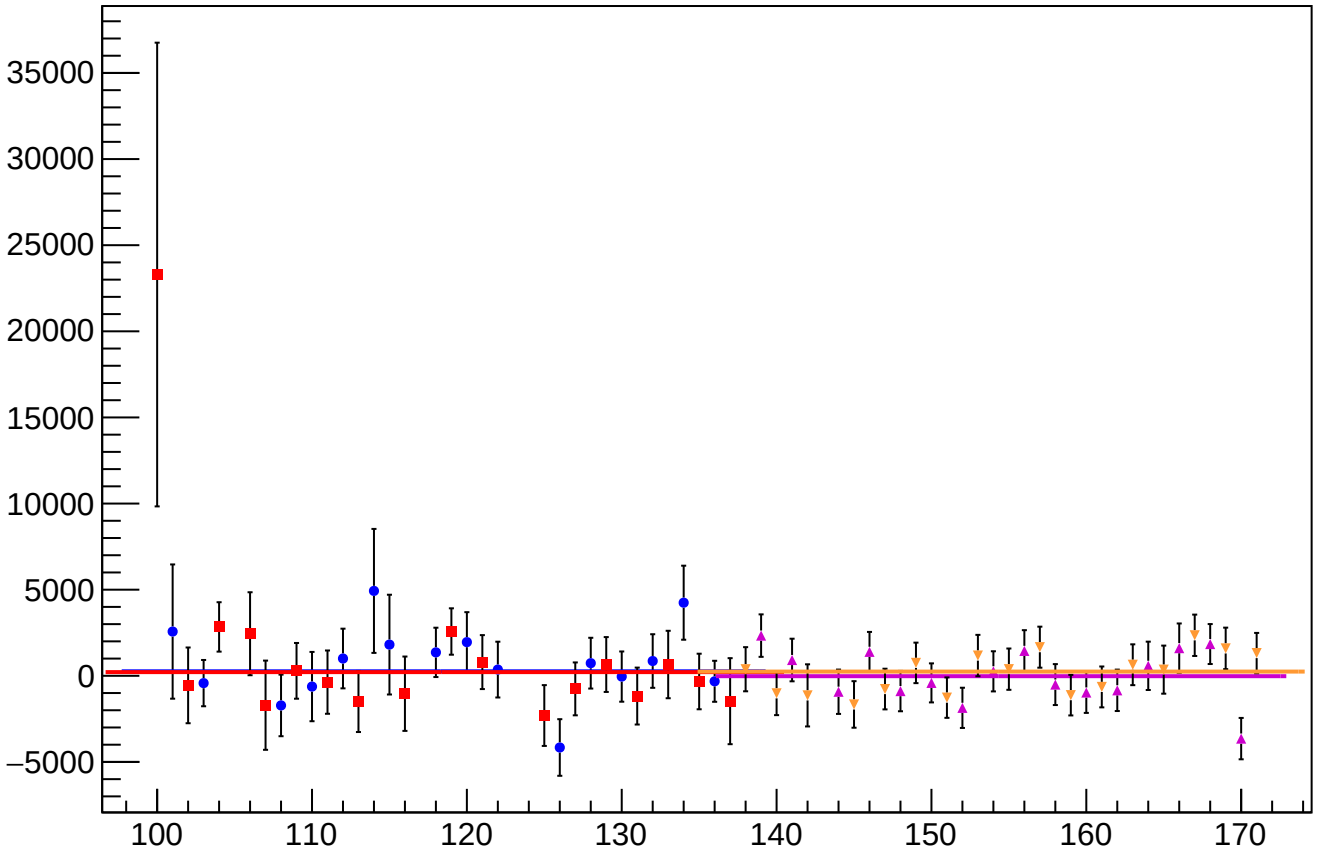
Left: 460.040+/-0.064 χ^2/NDF: 1009036.4/32

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 442.146+/-0.072 χ^2/NDF:2445270.5/31

Out: 426.855+/-0.069 χ^2/NDF:2534856.3/34

All: 434.242+/-0.050 χ^2/NDF: 5003732.3/66



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: -22.192+/-303.204 χ^2/NDF:25.3/15

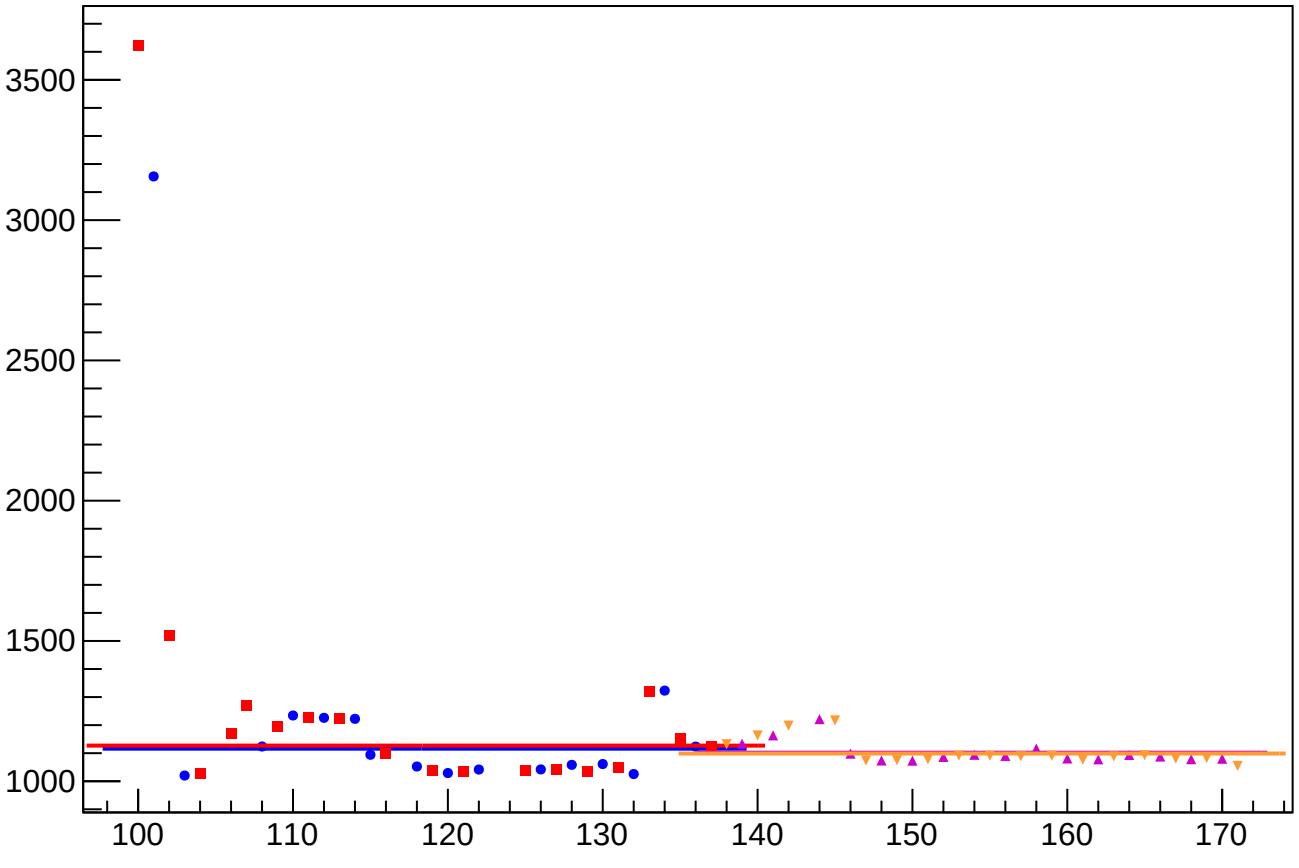
Left: 113.088+/-213.218 χ^2/NDF: 41.1/32

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 73.232+/-246.761 χ^2/NDF:42.6/31

Out: 235.193+/-245.290 χ^2/NDF:31.6/34

All: 154.697+/-173.964 χ^2/NDF: 74.4/66



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: 1101.842+/-0.214 χ^2/NDF:29937.1/15

Left: 1100.312+/-0.151 χ^2/NDF: 65120.3/32

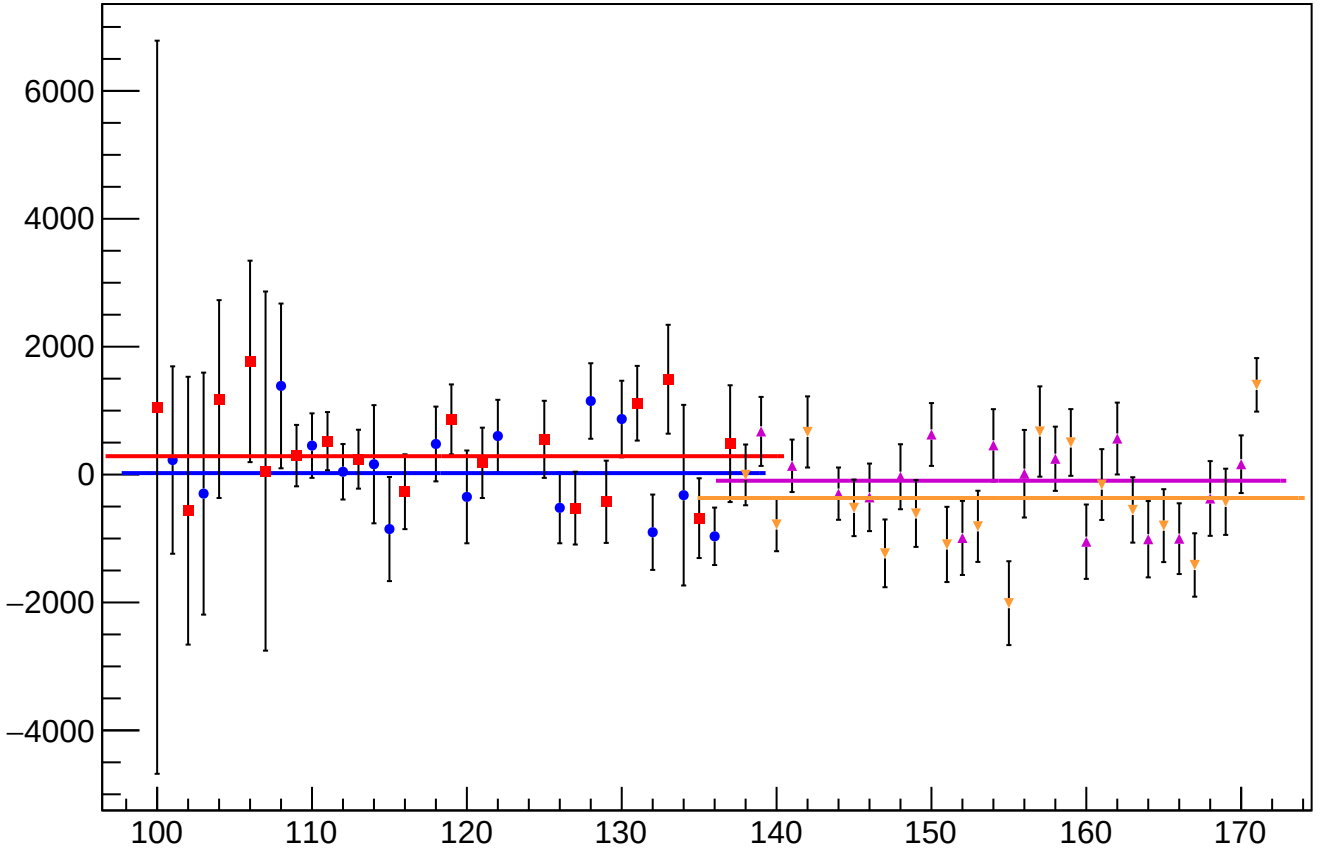
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1106.652+/-0.174 χ^2/NDF:654820.1/31

Out: 1108.131+/-0.173 χ^2/NDF:263653.7/34

All: 1107.396+/-0.123 χ^2/NDF: 918509.9/66

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: -96.396+/-129.967 χ^2/NDF:18.5/15

Left: -236.130+/-90.272 χ^2/NDF: 65.3/32

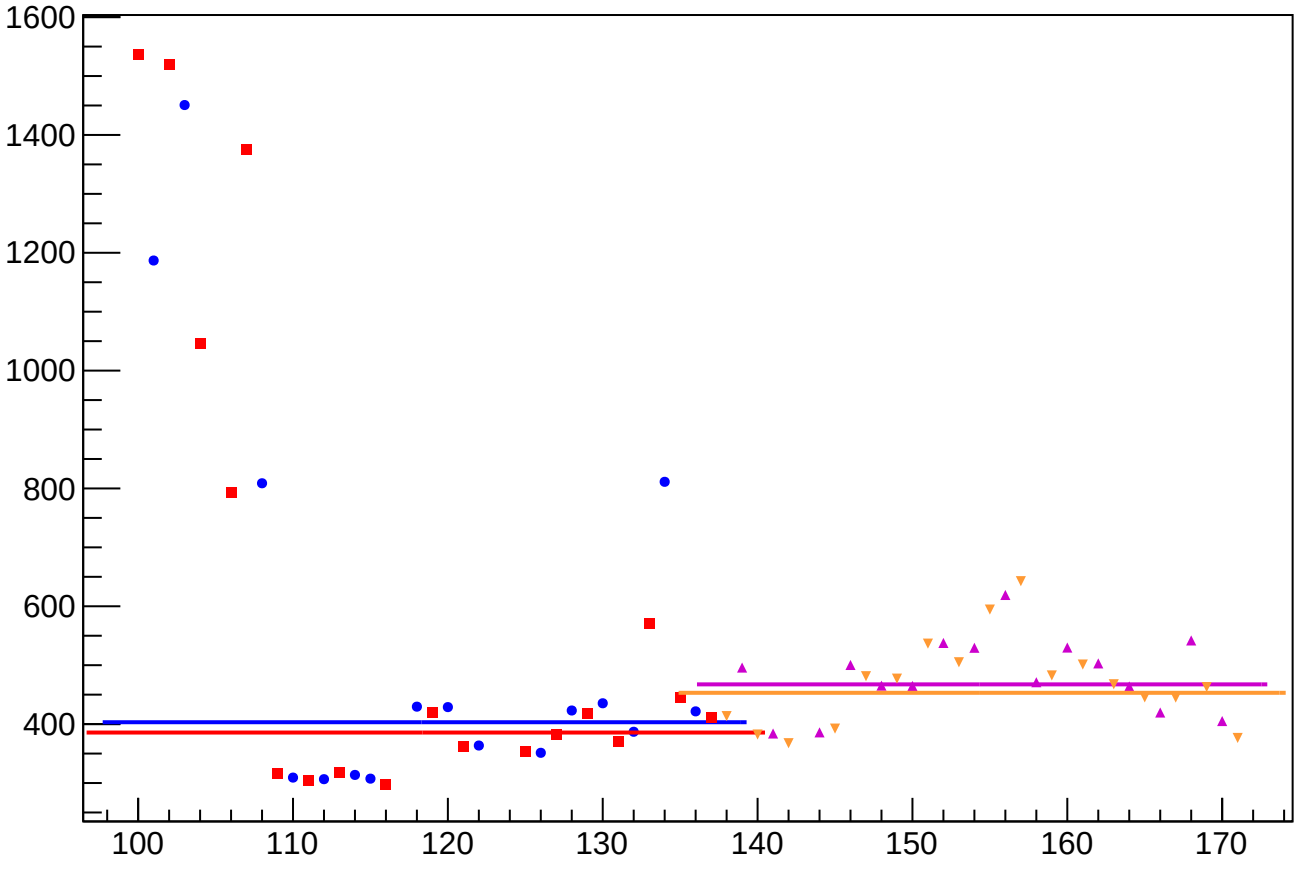
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -49.404+/-101.187 χ^2/NDF:37.8/31

Out: -109.898+/-97.826 χ^2/NDF:68.9/34

All: -80.672+/-70.332 χ^2/NDF: 106.9/66

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: 467.452+/-0.092 χ^2/NDF:444240.2/15

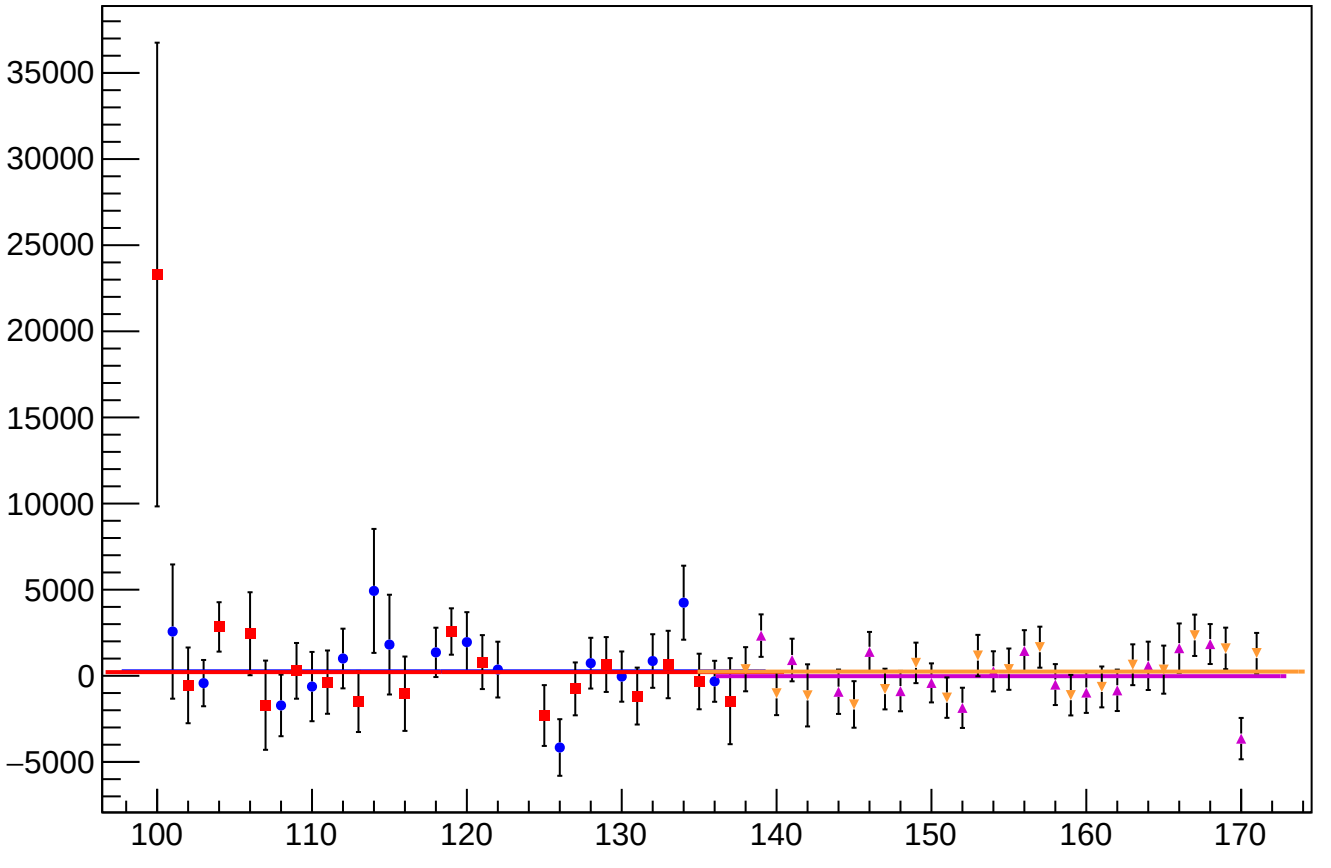
Left: 460.038+/-0.064 χ^2/NDF: 1009019.4/32

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 442.140+/-0.072 χ^2/NDF:2448969.1/31

Out: 426.677+/-0.069 χ^2/NDF:2525975.3/34

All: 434.147+/-0.050 χ^2/NDF: 4999086.0/66



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: -22.192+/-303.204 χ^2/NDF:25.3/15

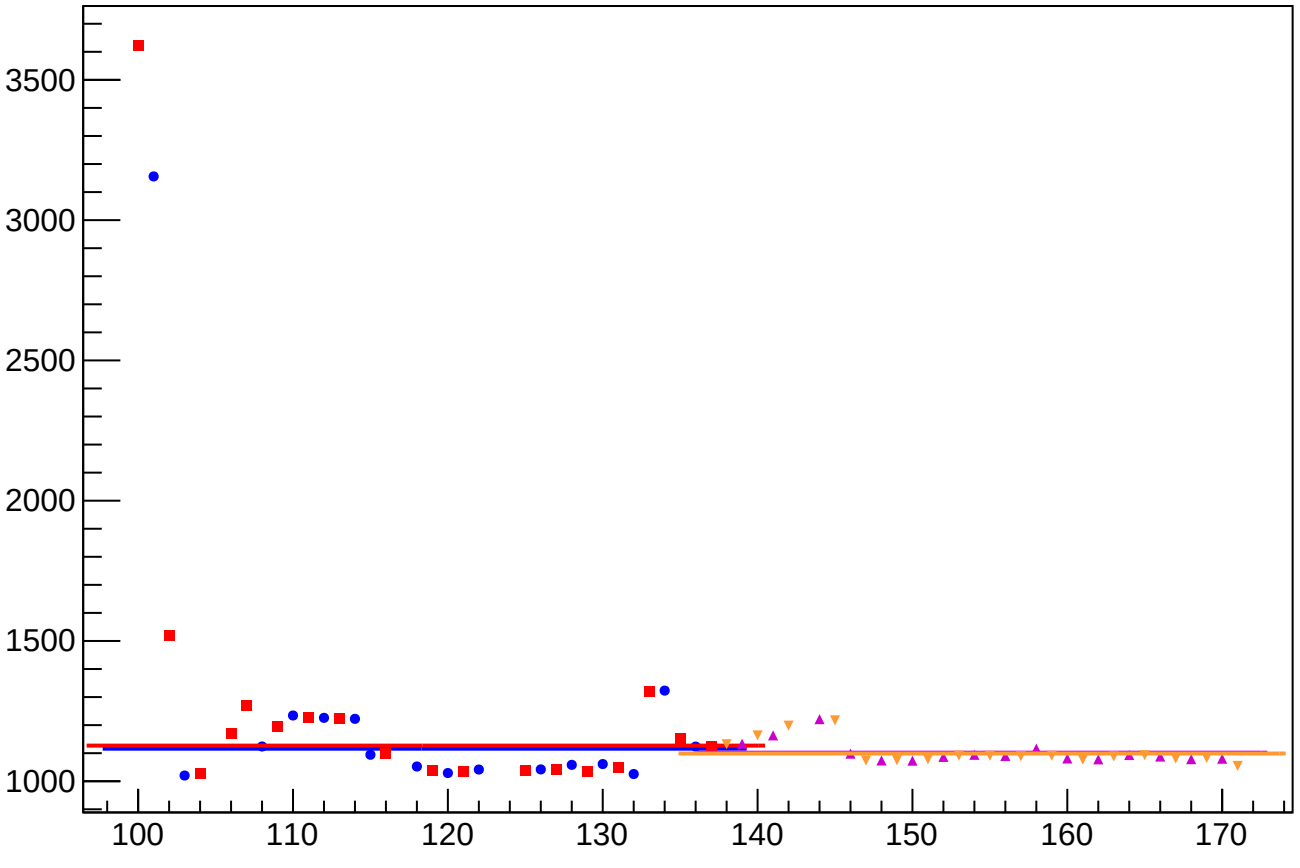
Left: 113.088+/-213.218 χ^2/NDF: 41.1/32

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 73.232+/-246.761 χ^2/NDF:42.6/31

Out: 235.193+/-245.290 χ^2/NDF:31.6/34

All: 154.697+/-173.964 χ^2/NDF: 74.4/66



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: 1101.842+/-0.214 χ^2/NDF:29937.1/15

Left: 1100.312+/-0.151 χ^2/NDF: 65120.3/32

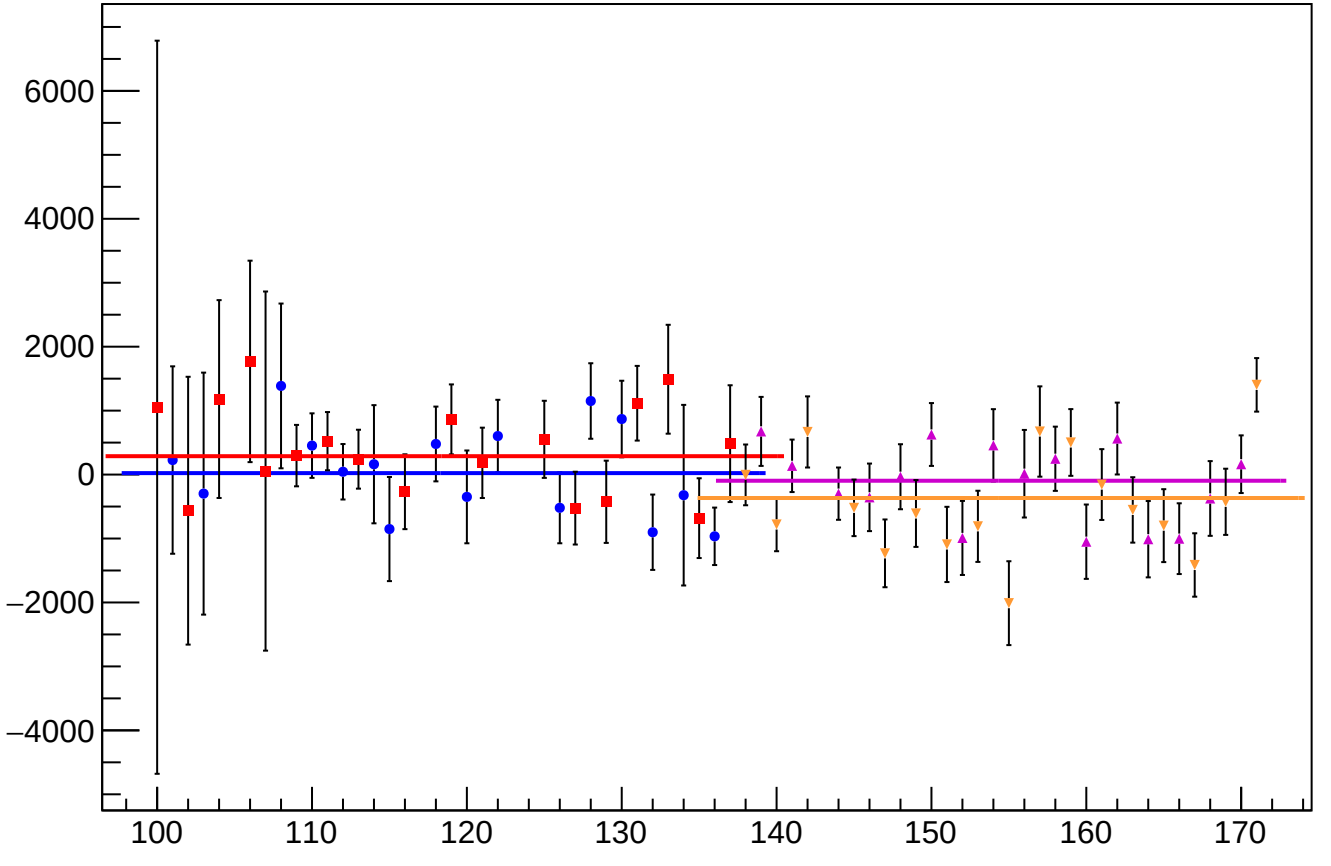
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1106.652+/-0.174 χ^2/NDF:654820.1/31

Out: 1108.131+/-0.173 χ^2/NDF:263653.7/34

All: 1107.396+/-0.123 χ^2/NDF: 918509.9/66

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: -96.396+/-129.967 χ^2/NDF:18.5/15

Left: -236.130+/-90.272 χ^2/NDF: 65.3/32

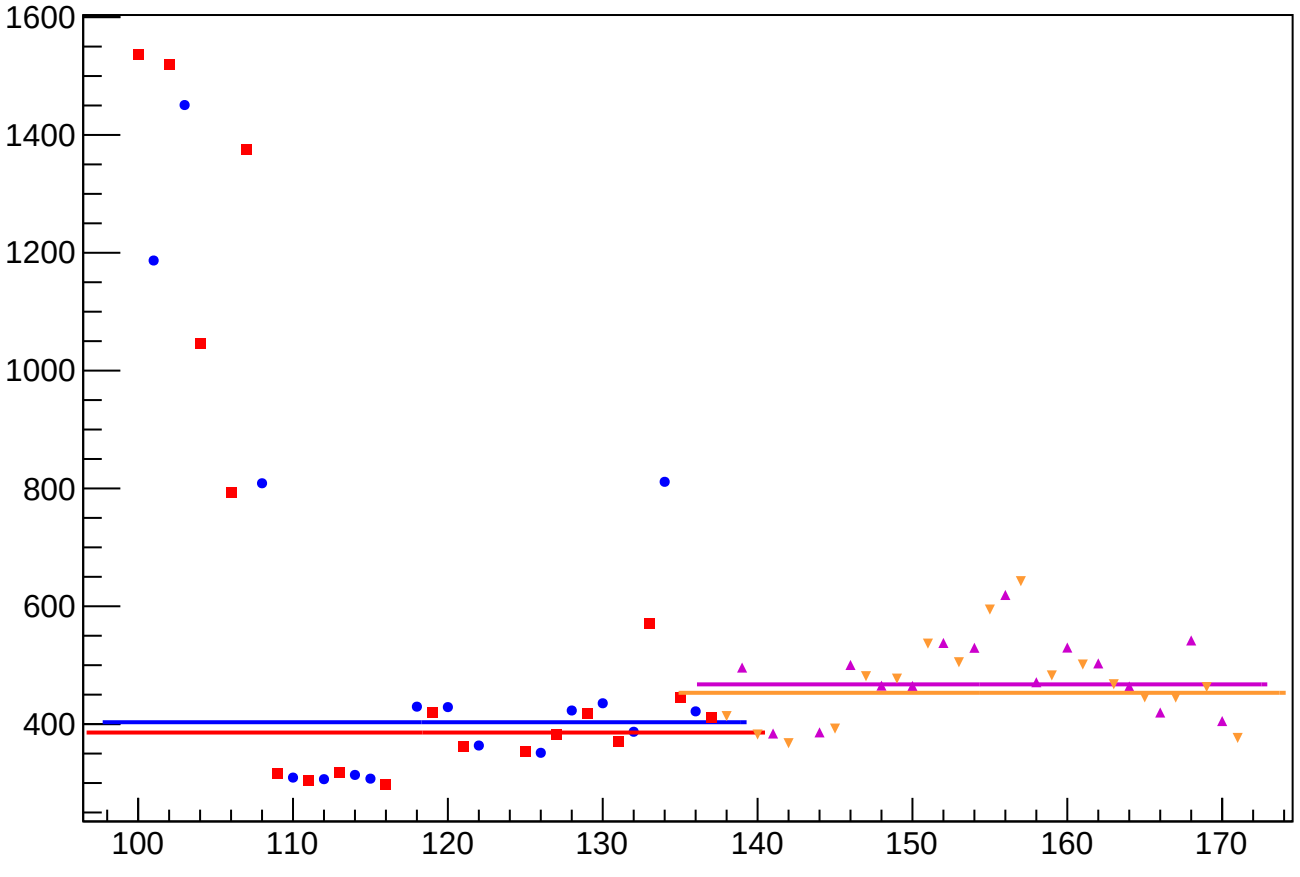
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: -49.404+/-101.187 χ^2/NDF:37.8/31

Out: -109.898+/-97.826 χ^2/NDF:68.9/34

All: -80.672+/-70.332 χ^2/NDF: 106.9/66

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: 467.452+/-0.092 χ^2/NDF:444240.2/15

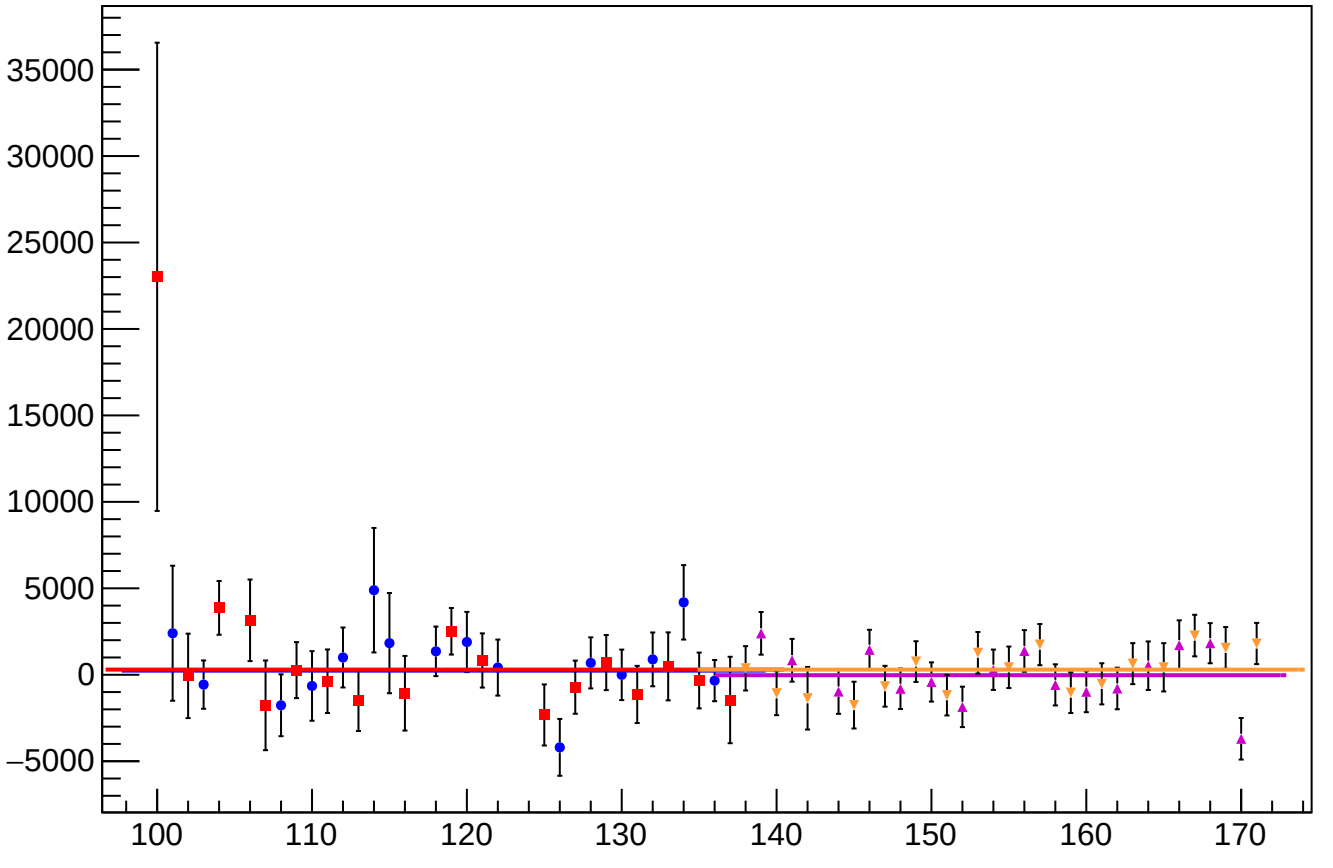
Left: 460.038+/-0.064 χ^2/NDF: 1009019.4/32

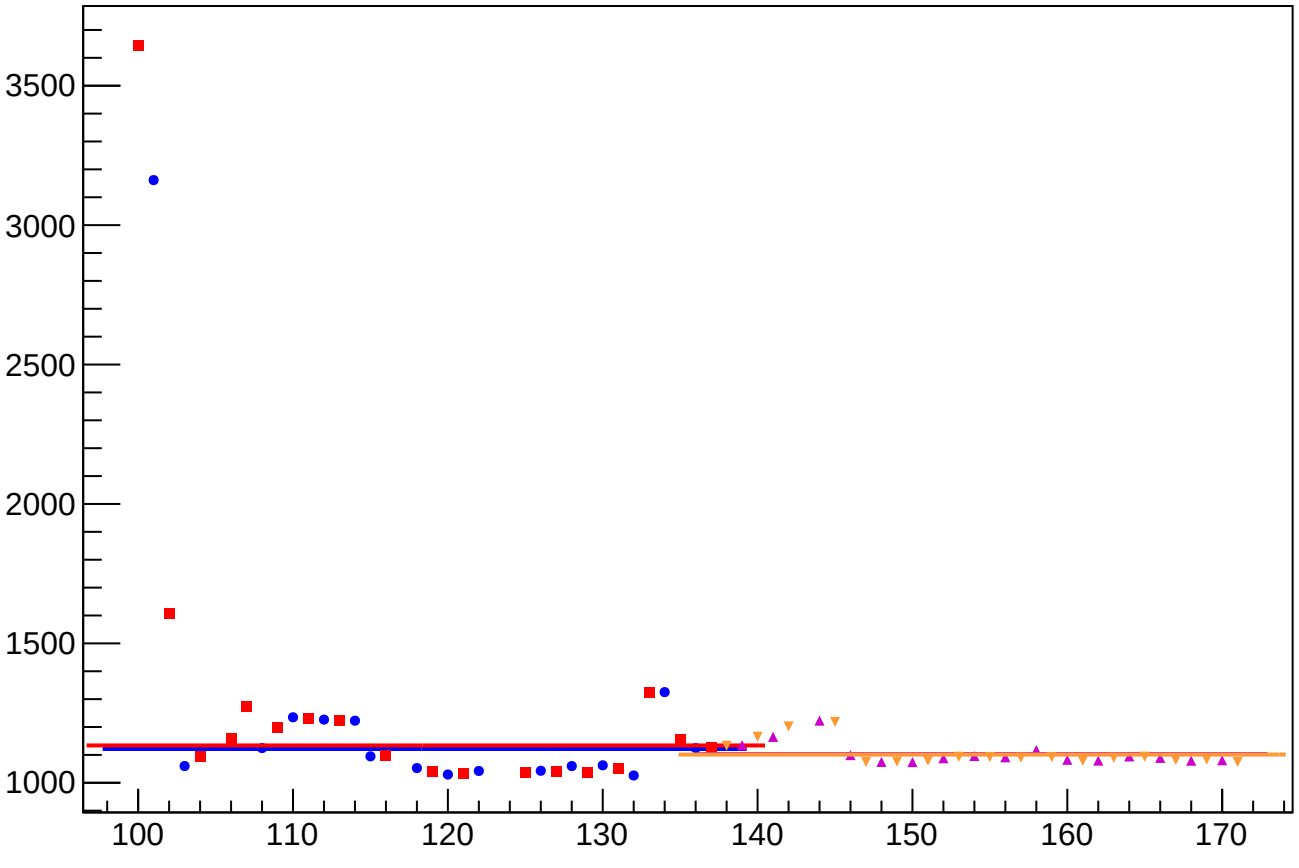
Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 442.140+/-0.072 χ^2/NDF:2448969.1/31

Out: 426.677+/-0.069 χ^2/NDF:2525975.3/34

All: 434.147+/-0.050 χ^2/NDF: 4999086.0/66


dit_asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: 240.827+/-426.592 χ²/NDF: 17.0/15
Left Out: 297.210+/-300.562 χ²/NDF:16.1/16
Right Out: 298.921+/-430.767 χ²/NDF: 18.7/17
Left In: -24.208+/-303.525 χ²/NDF:25.7/15
Left: 138.077+/-213.569 χ²/NDF: 42.4/32
Right: 269.591+/-303.111 χ²/NDF: 35.6/33
In: 64.870+/-247.313 χ²/NDF:42.9/31
Out: 297.770+/-246.492 χ²/NDF:34.8/34
All: 181.707+/-174.586 χ²/NDF: 78.1/66



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: 1103.001+/-0.215 χ^2/NDF:30058.2/15

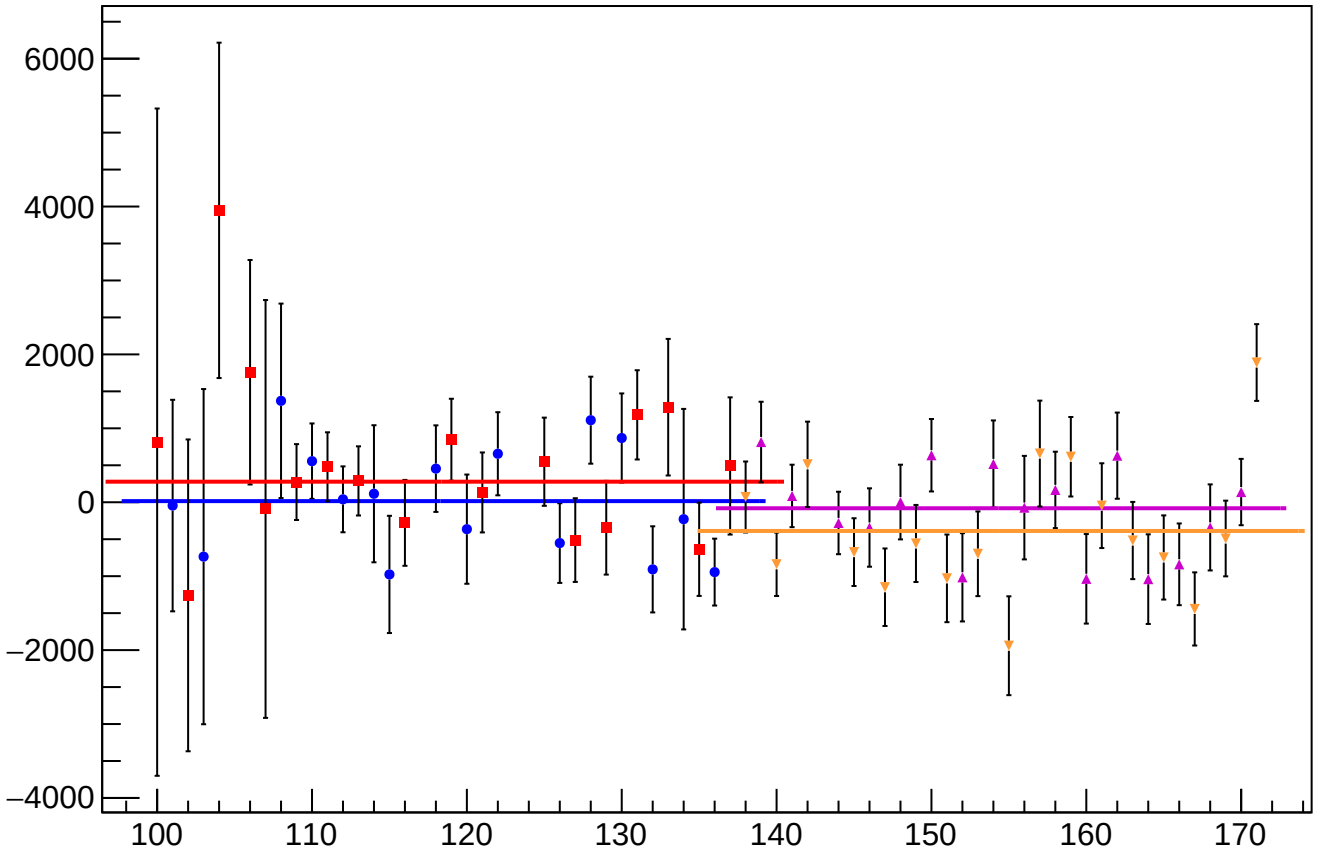
Left: 1102.136+/-0.151 χ^2/NDF: 63635.4/32

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1109.150+/-0.175 χ^2/NDF:649528.0/31

Out: 1111.976+/-0.174 χ^2/NDF:268725.7/34

All: 1110.567+/-0.123 χ^2/NDF: 918384.8/66



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -388.522+/-129.313 χ^2/NDF:44.2/16

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -81.145+/-132.133 χ^2/NDF:18.0/15

Left: -238.149+/-92.419 χ^2/NDF: 65.0/32

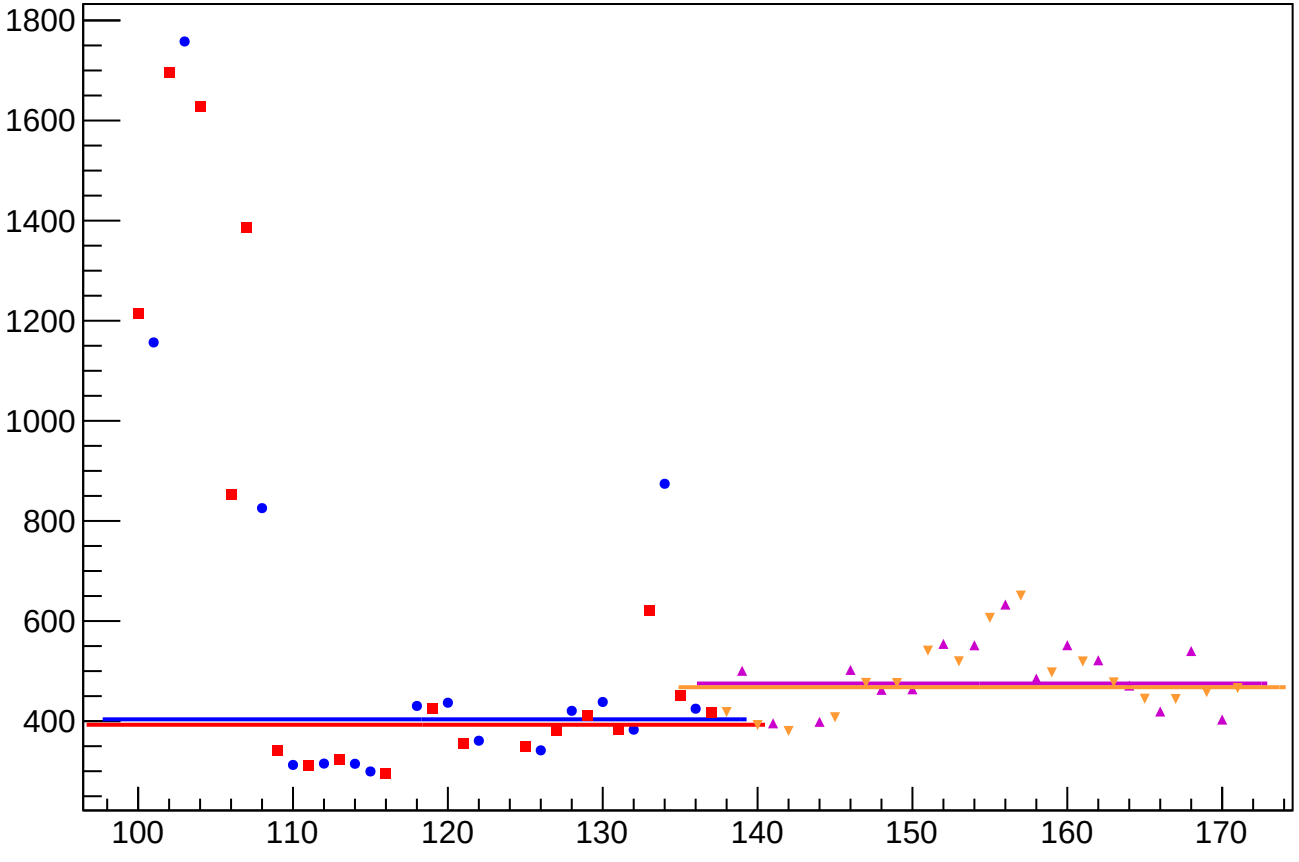
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: -42.575+/-102.354 χ^2/NDF:37.8/31

Out: -122.725+/-100.279 χ^2/NDF:69.9/34

All: -83.471+/-71.630 χ^2/NDF: 108.0/66

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: 475.189+/-0.093 χ^2/NDF:461232.0/15

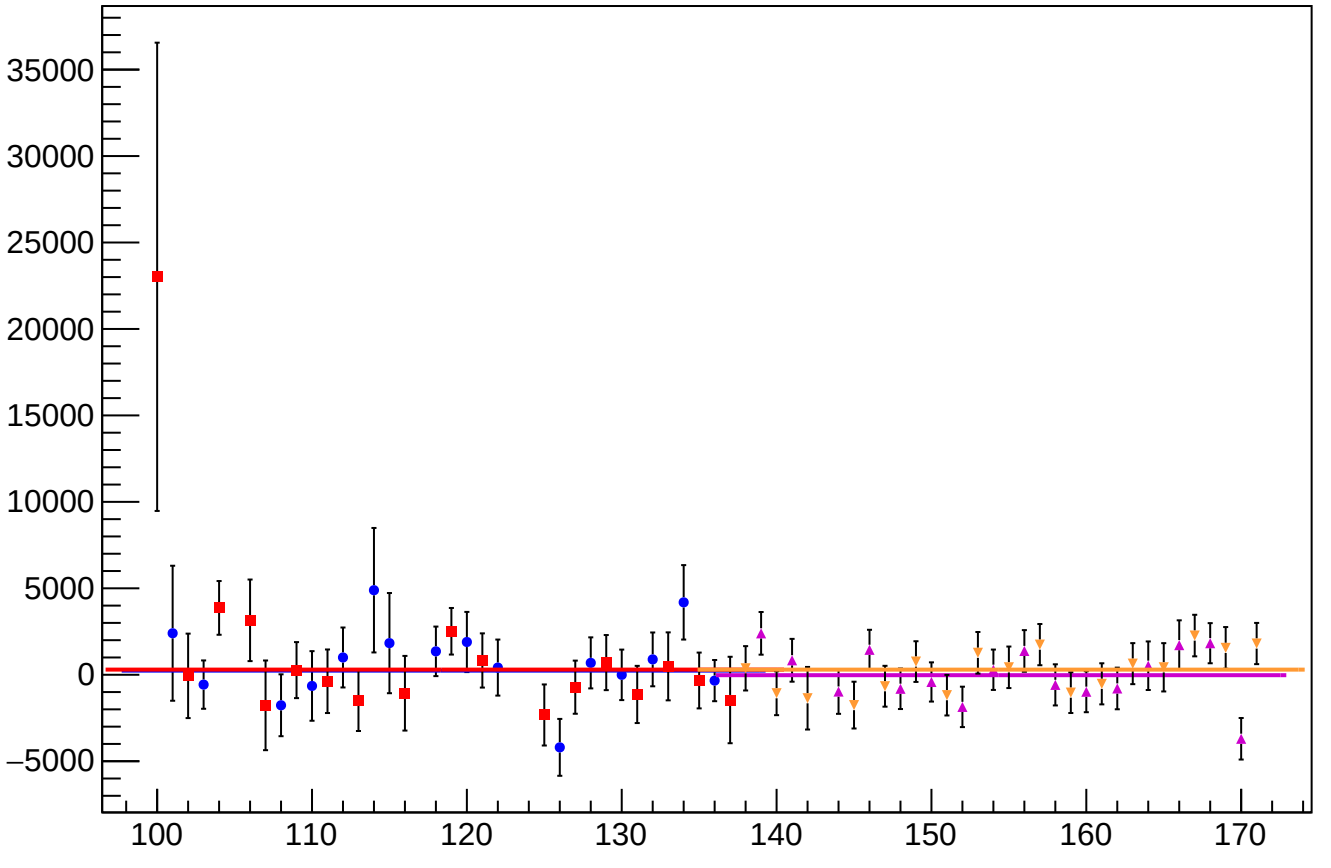
Left: 471.421+/-0.065 χ^2/NDF: 923873.6/32

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 446.579+/-0.072 χ^2/NDF:2625271.4/31

Out: 437.918+/-0.071 χ^2/NDF:2931047.3/34

All: 442.160+/-0.051 χ^2/NDF: 5563625.5/66



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: -24.207+/-303.525 χ^2/NDF:25.7/15

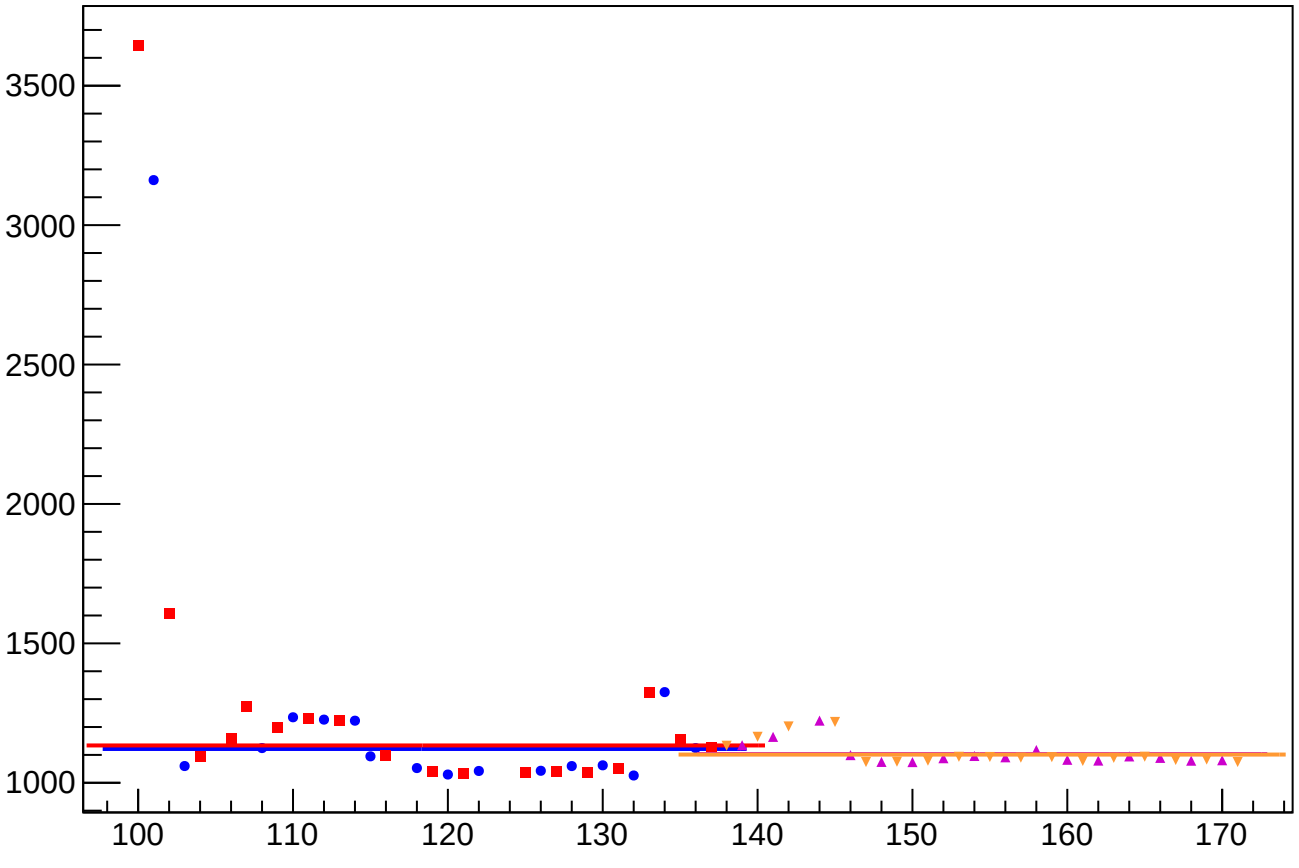
Left: 138.076+/-213.569 χ^2/NDF: 42.4/32

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 64.871+/-247.313 χ^2/NDF:42.9/31

Out: 297.768+/-246.492 χ^2/NDF:34.8/34

All: 181.707+/-174.586 χ^2/NDF: 78.1/66



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: 1103.002+/-0.215 χ^2/NDF:30058.2/15

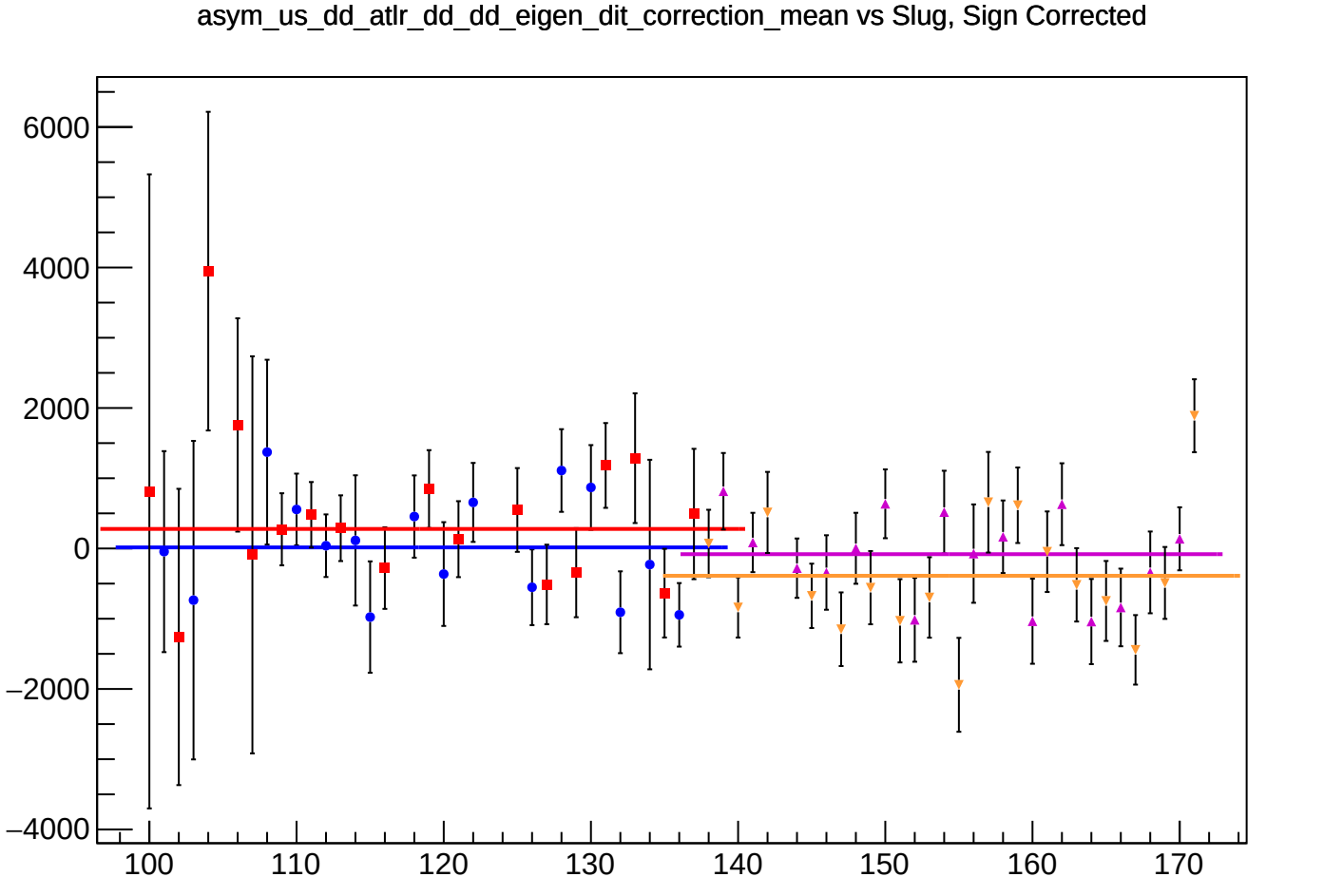
Left: 1102.136+/-0.151 χ^2/NDF: 63635.6/32

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

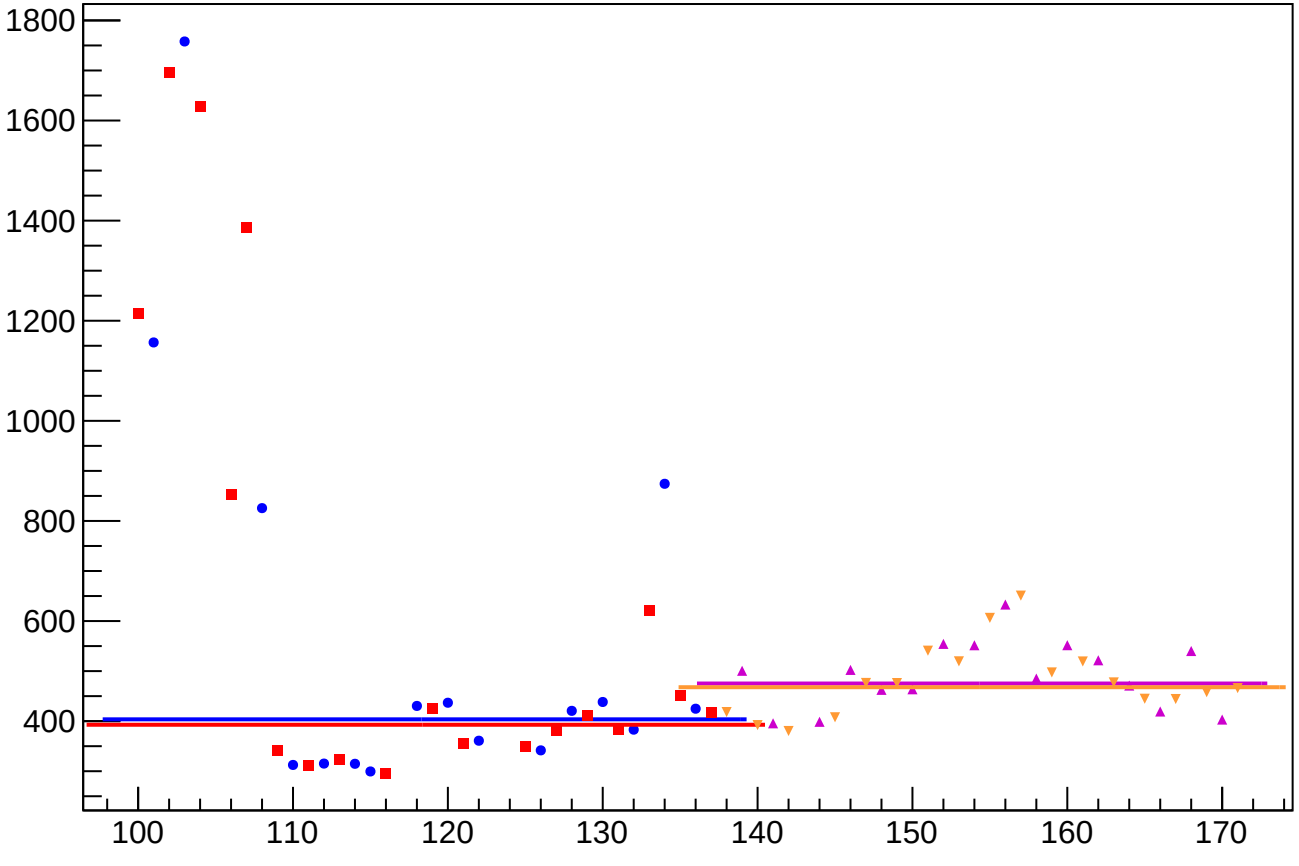
In: 1109.150+/-0.175 χ^2/NDF:649528.1/31

Out: 1111.976+/-0.174 χ^2/NDF:268726.0/34

All: 1110.567+/-0.123 χ^2/NDF: 918385.1/66


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -388.523+/-129.313 χ²/NDF:44.2/16
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -81.146+/-132.133 χ²/NDF:18.0/15
Left: -238.150+/-92.419 χ²/NDF: 65.0/32
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: -42.577+/-102.354 χ²/NDF:37.8/31
Out: -122.724+/-100.279 χ²/NDF:69.9/34
All: -83.471+/-71.630 χ²/NDF: 108.0/66

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: 475.190+/-0.093 χ^2/NDF:461240.8/15

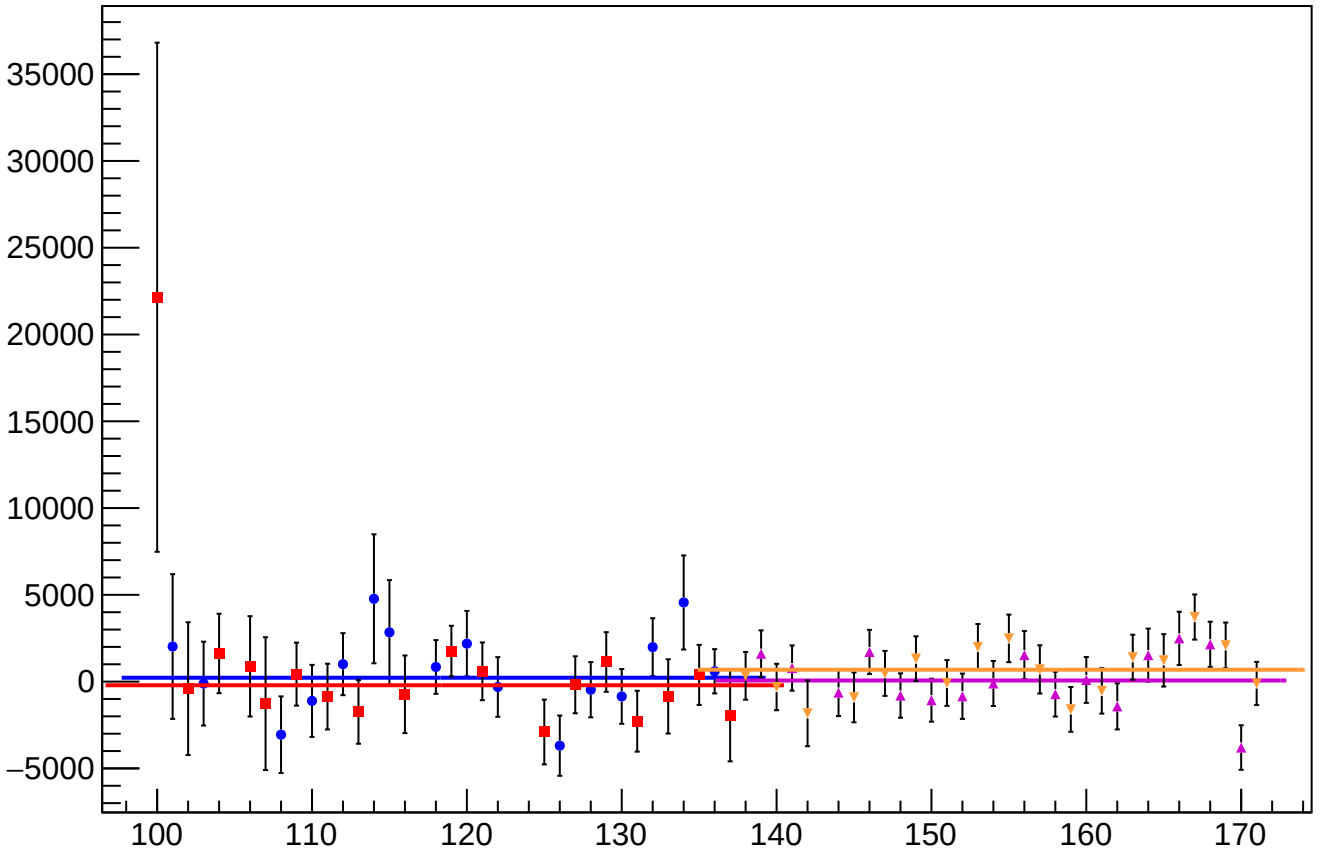
Left: 471.422+/-0.065 χ^2/NDF: 923906.3/32

Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 446.578+/-0.072 χ^2/NDF:2625304.6/31

Out: 437.917+/-0.071 χ^2/NDF:2931101.5/34

All: 442.159+/-0.051 χ^2/NDF: 5563714.0/66



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: 65.689+/-332.261 χ^2/NDF:23.1/15

Left: 379.257+/-233.507 χ^2/NDF: 43.3/32

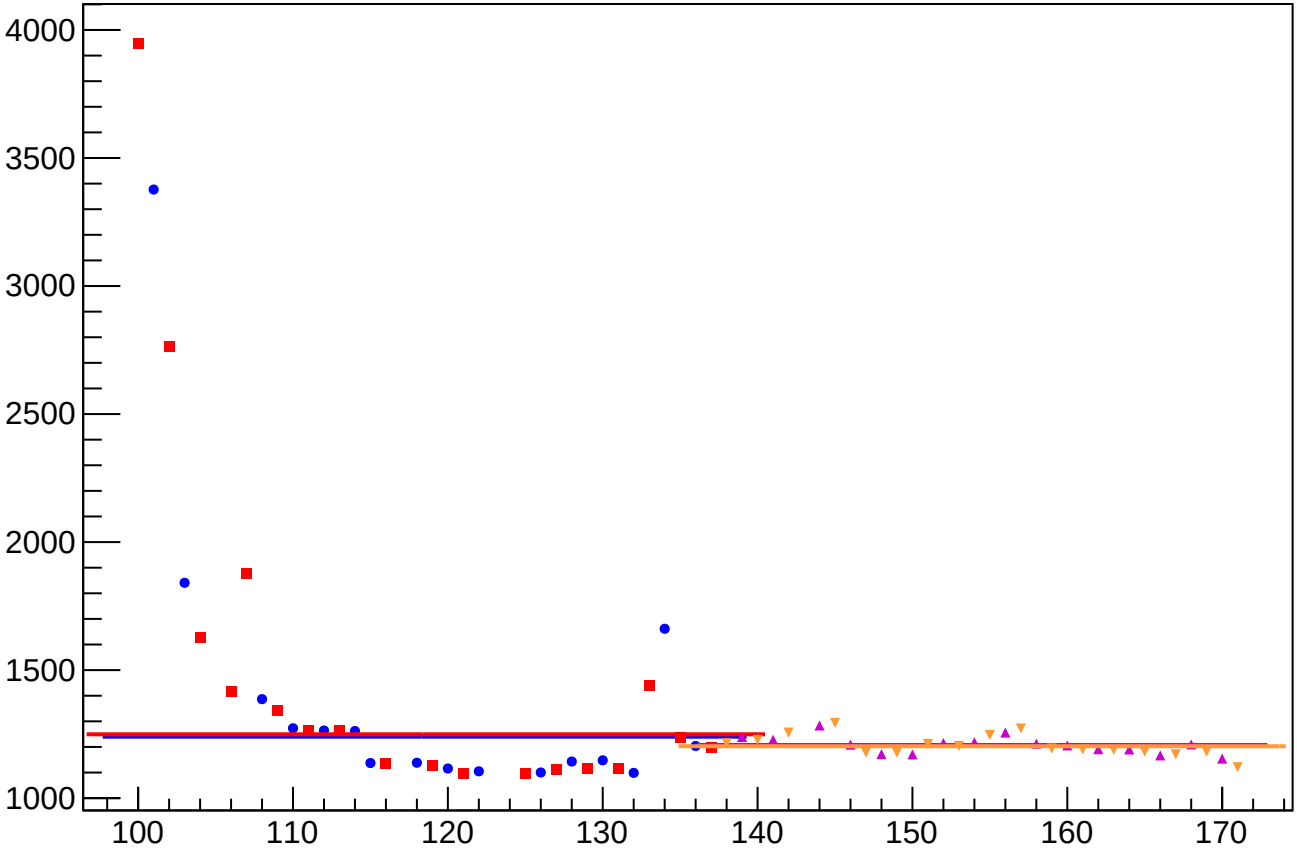
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 118.034+/-272.180 χ^2/NDF:39.3/31

Out: 398.327+/-270.549 χ^2/NDF:31.7/34

All: 259.023+/-191.881 χ^2/NDF: 71.6/66

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1202.729+/-0.232 χ^2/NDF:30324.1/16

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1207.620+/-0.235 χ^2/NDF:19309.6/15

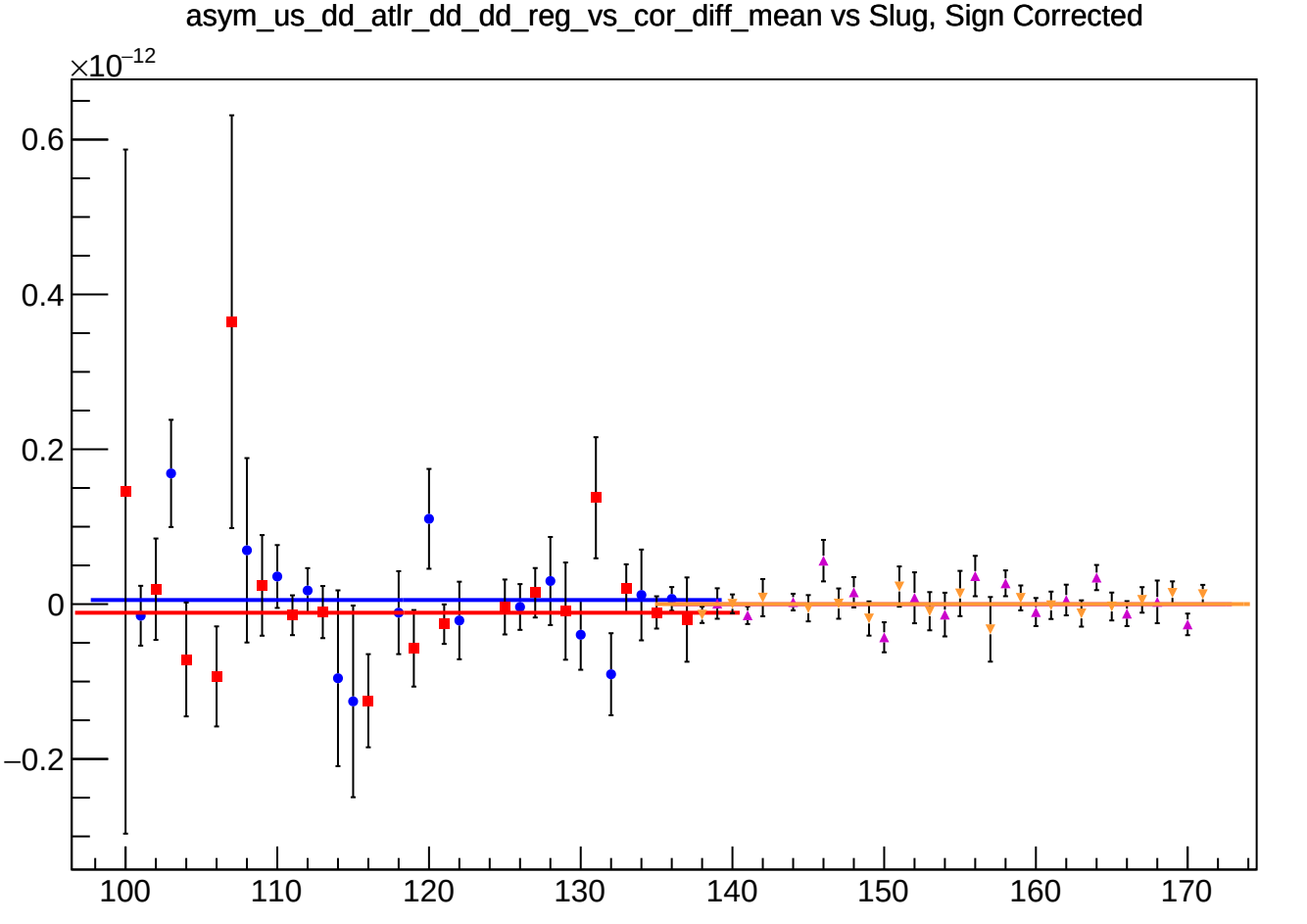
Left: 1205.145+/-0.165 χ^2/NDF: 49853.1/32

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1218.318+/-0.192 χ^2/NDF:808291.5/31

Out: 1217.695+/-0.191 χ^2/NDF:649392.8/34

All: 1218.004+/-0.136 χ^2/NDF: 1457689.6/66



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:25.3/15

Left: -0.000+/-0.000 χ^2/NDF: 32.6/32

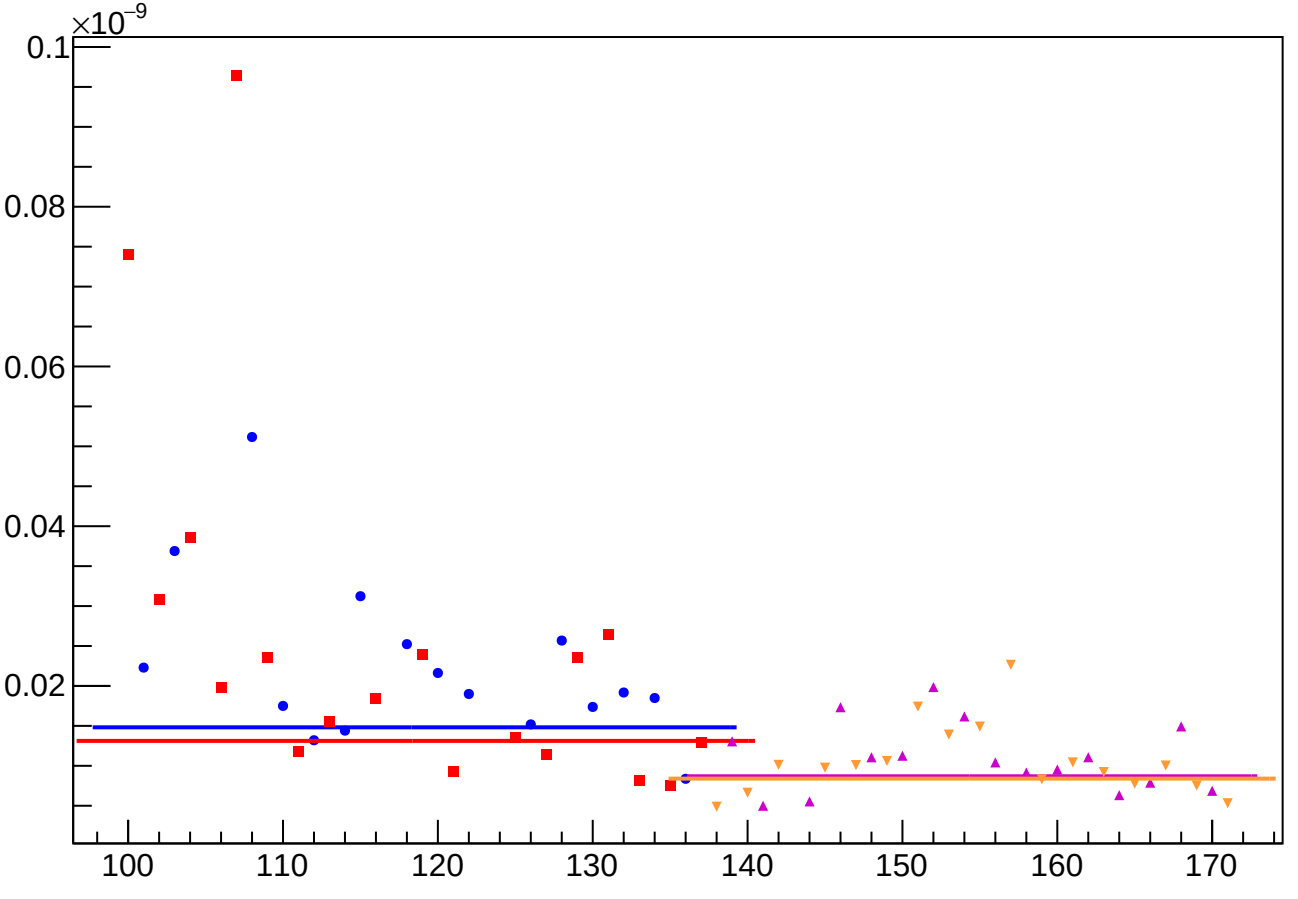
Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:41.9/31

Out: -0.000+/-0.000 χ^2/NDF:23.5/34

All: -0.000+/-0.000 χ^2/NDF: 65.7/66

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:1353436.2/15

Left: 0.000+/-0.000 χ^2/NDF: 2539915.4/32

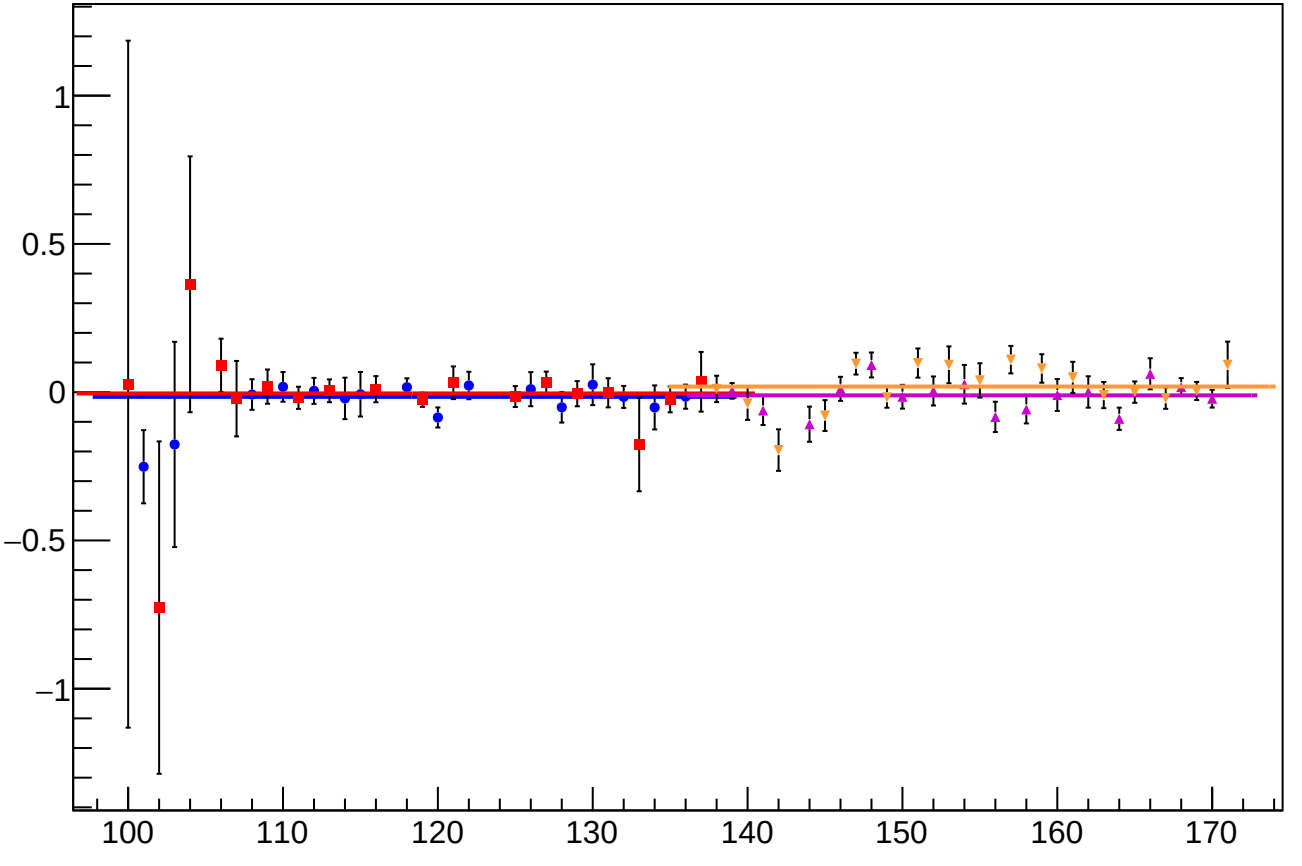
Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:3104733.1/31

Out: 0.000+/-0.000 χ^2/NDF:2789637.1/34

All: 0.000+/-0.000 χ^2/NDF: 5915770.2/66

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:21.2/15

Left: 0.003+/-0.007 χ^2/NDF: 57.5/32

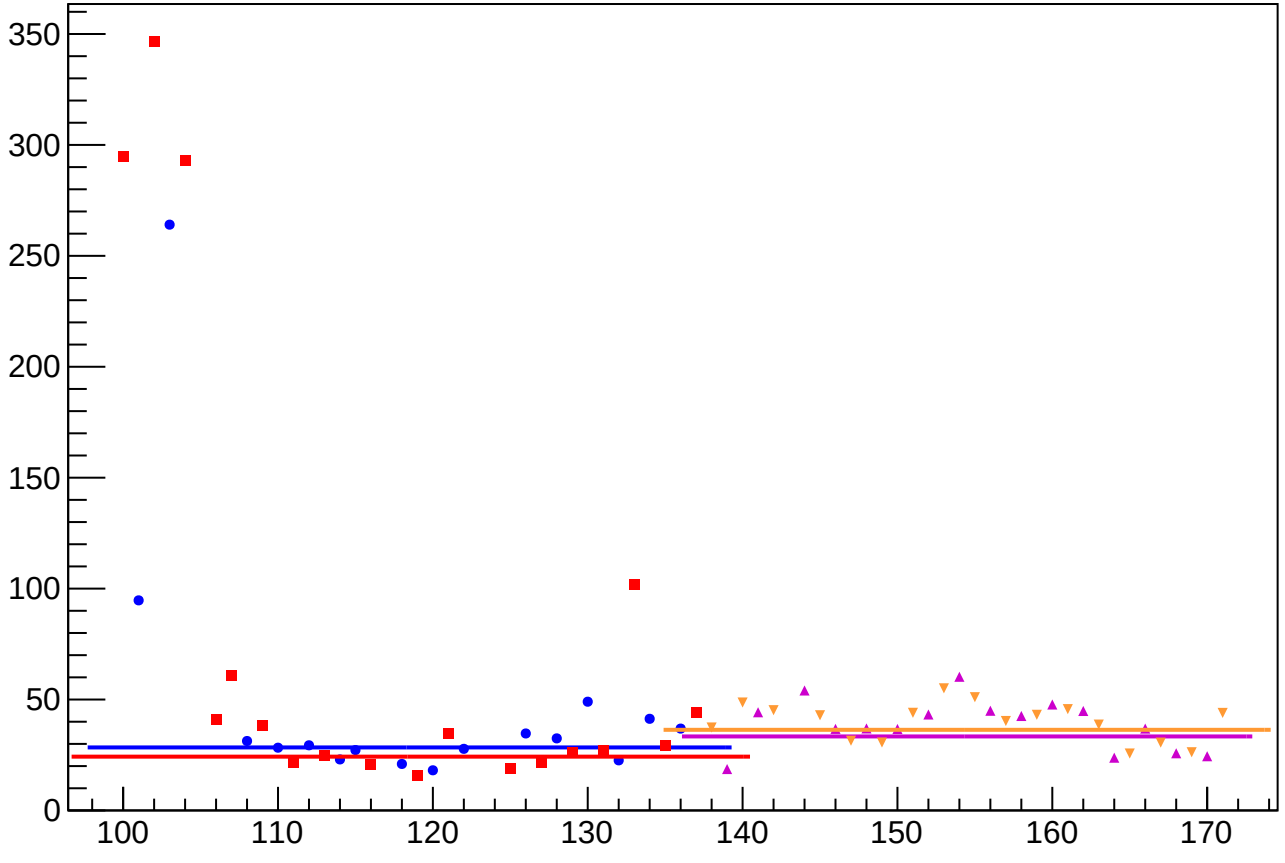
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.0/66

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: 33.365+/-0.007 χ^2/NDF:2283473.7/15

Left: 34.780+/-0.005 χ^2/NDF: 3561509.8/32

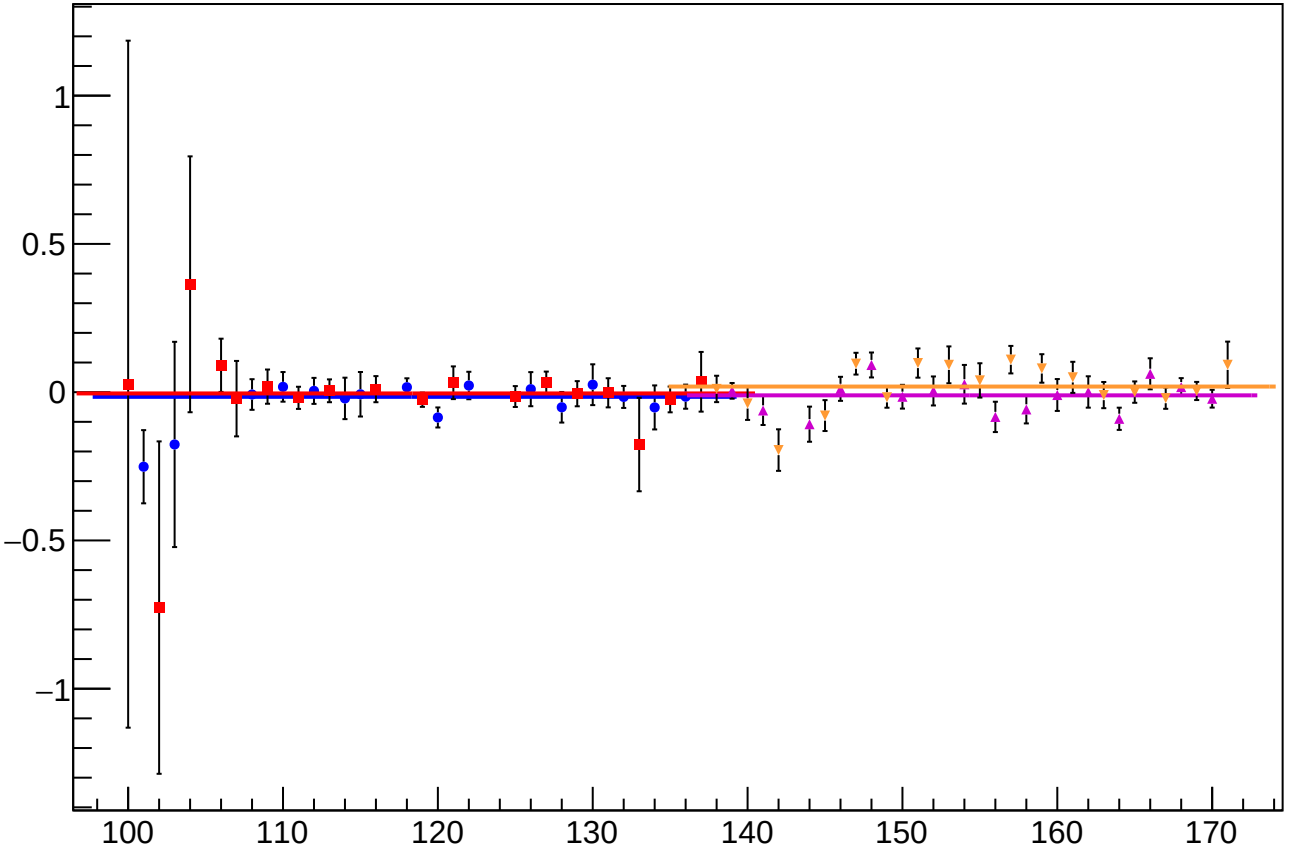
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.321+/-0.006 χ^2/NDF:4719435.2/31

Out: 30.613+/-0.006 χ^2/NDF:5287616.4/34

All: 30.966+/-0.004 χ^2/NDF: 10015082.7/66

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:21.2/15

Left: 0.003+/-0.007 χ^2/NDF: 57.5/32

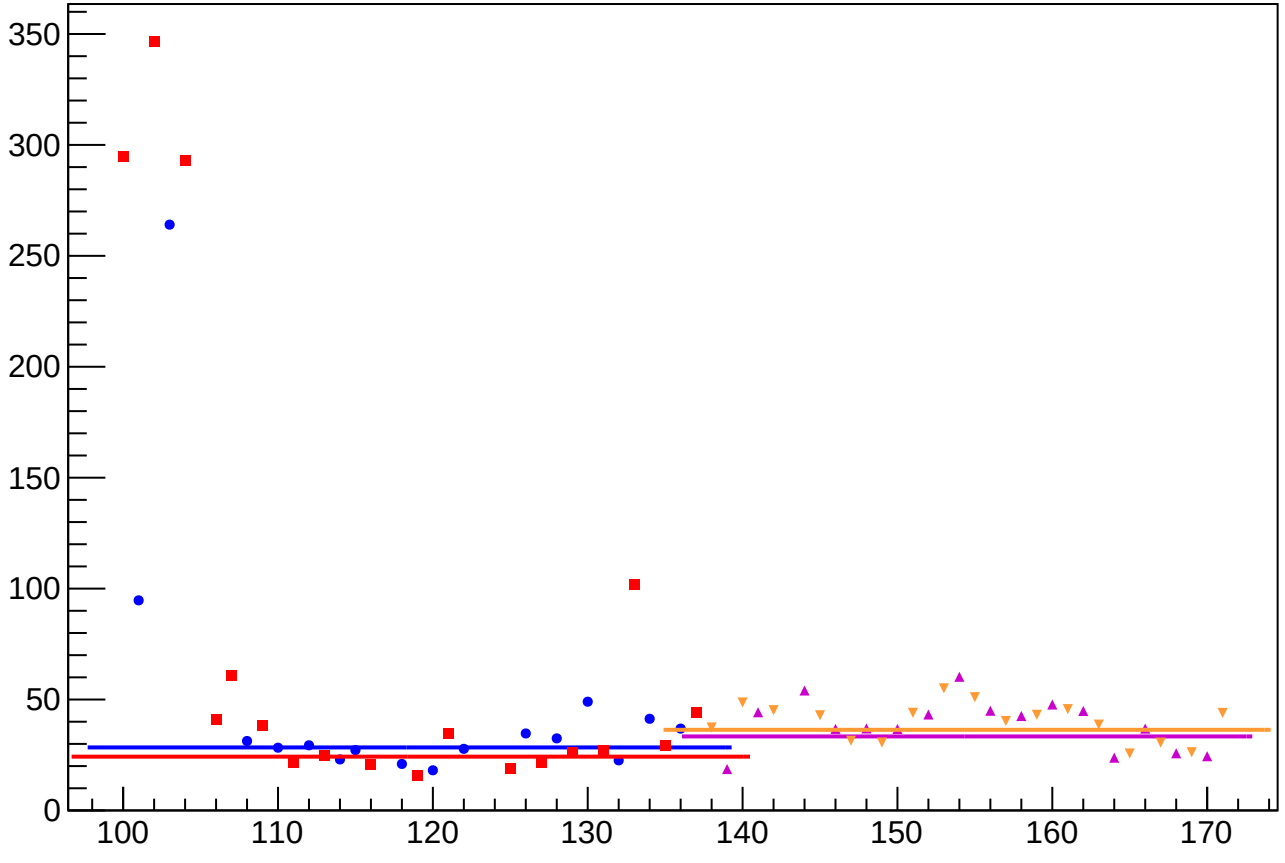
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.0/66

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: 33.365+/-0.007 χ^2/NDF:2283473.7/15

Left: 34.780+/-0.005 χ^2/NDF: 3561509.8/32

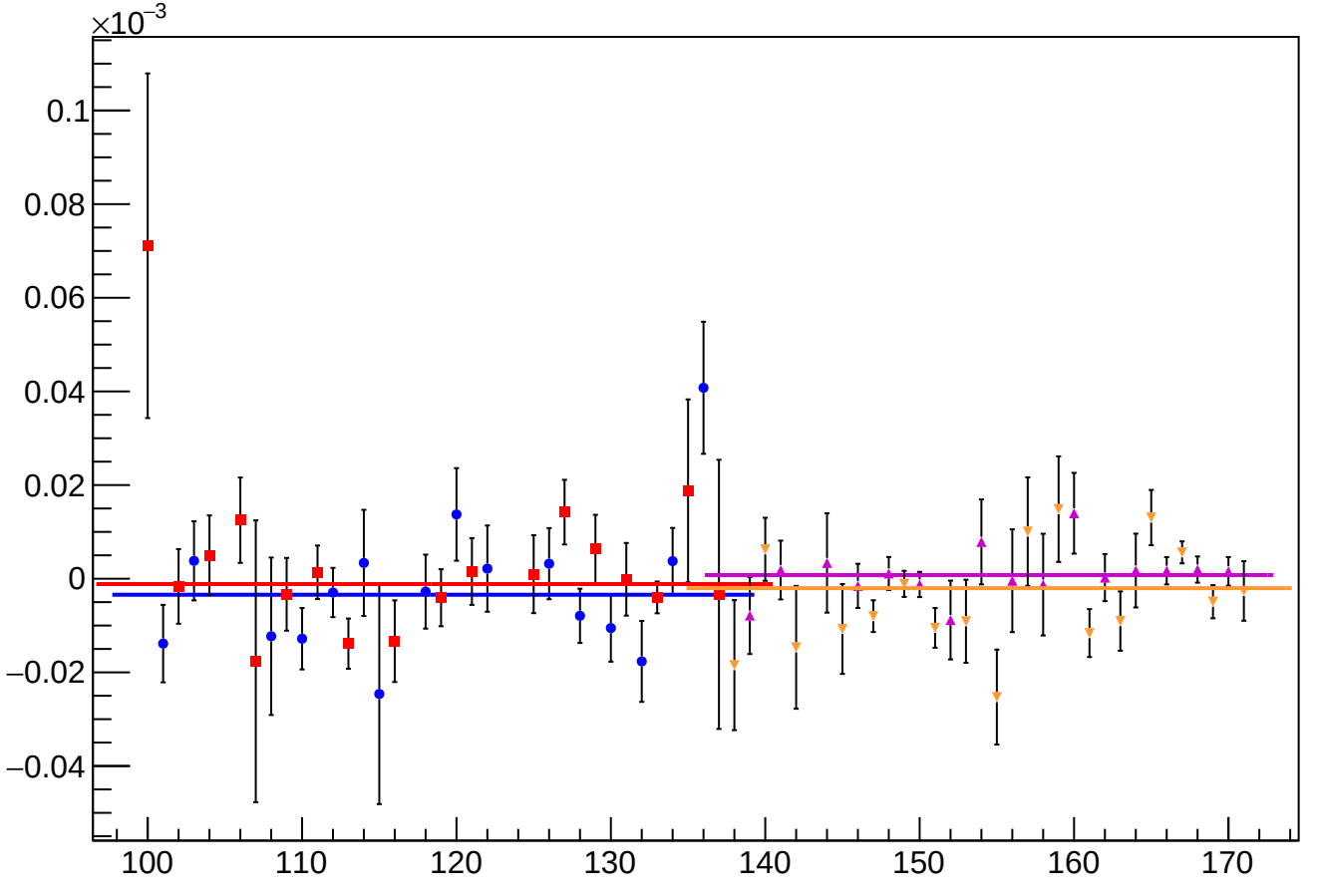
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.321+/-0.006 χ^2/NDF:4719435.2/31

Out: 30.613+/-0.006 χ^2/NDF:5287616.4/34

All: 30.966+/-0.004 χ^2/NDF: 10015082.7/66

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:6.7/15

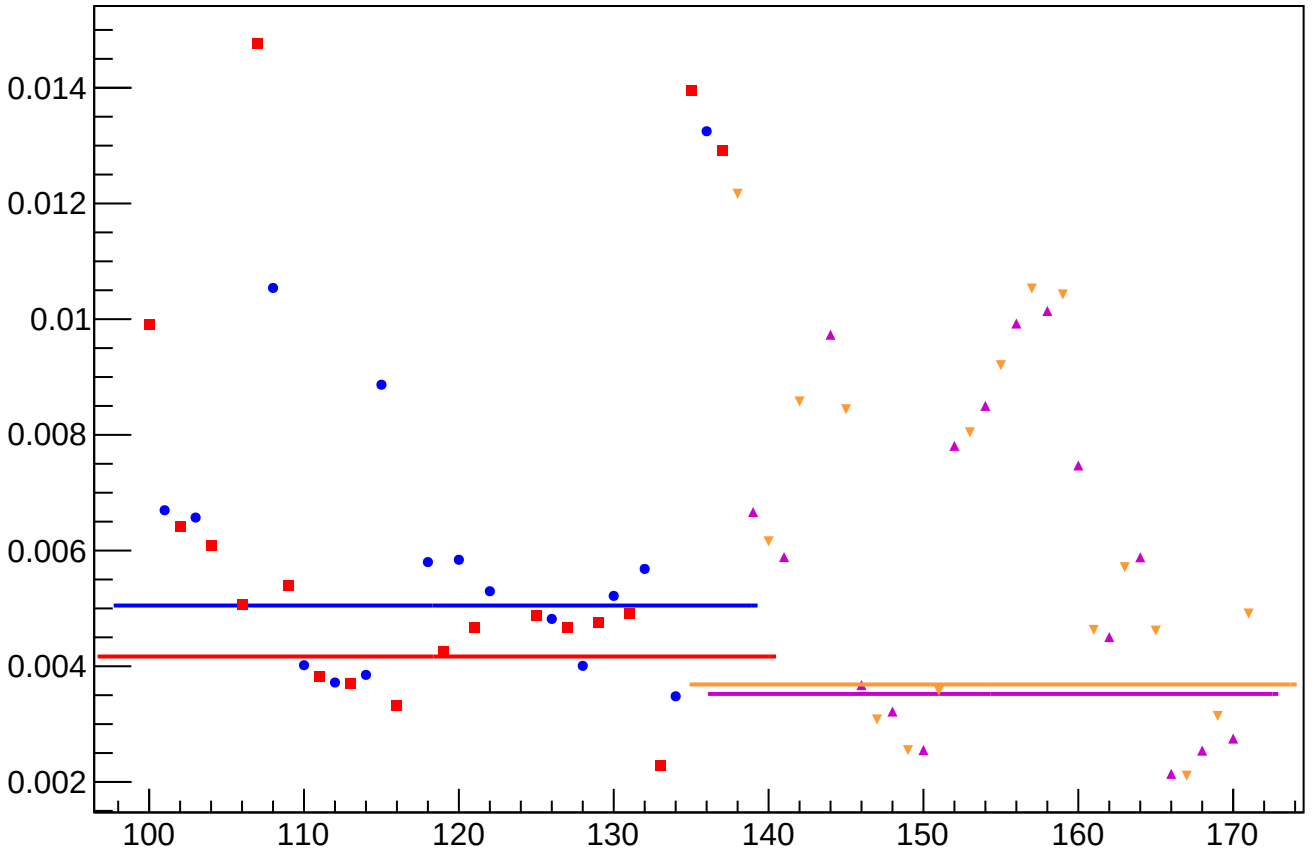
Left: -0.000+/-0.000 χ^2/NDF: 53.3/32

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:35.1/31

Out: -0.000+/-0.000 χ^2/NDF:66.8/34

All: -0.000+/-0.000 χ^2/NDF: 103.1/66



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:5581648.8/15

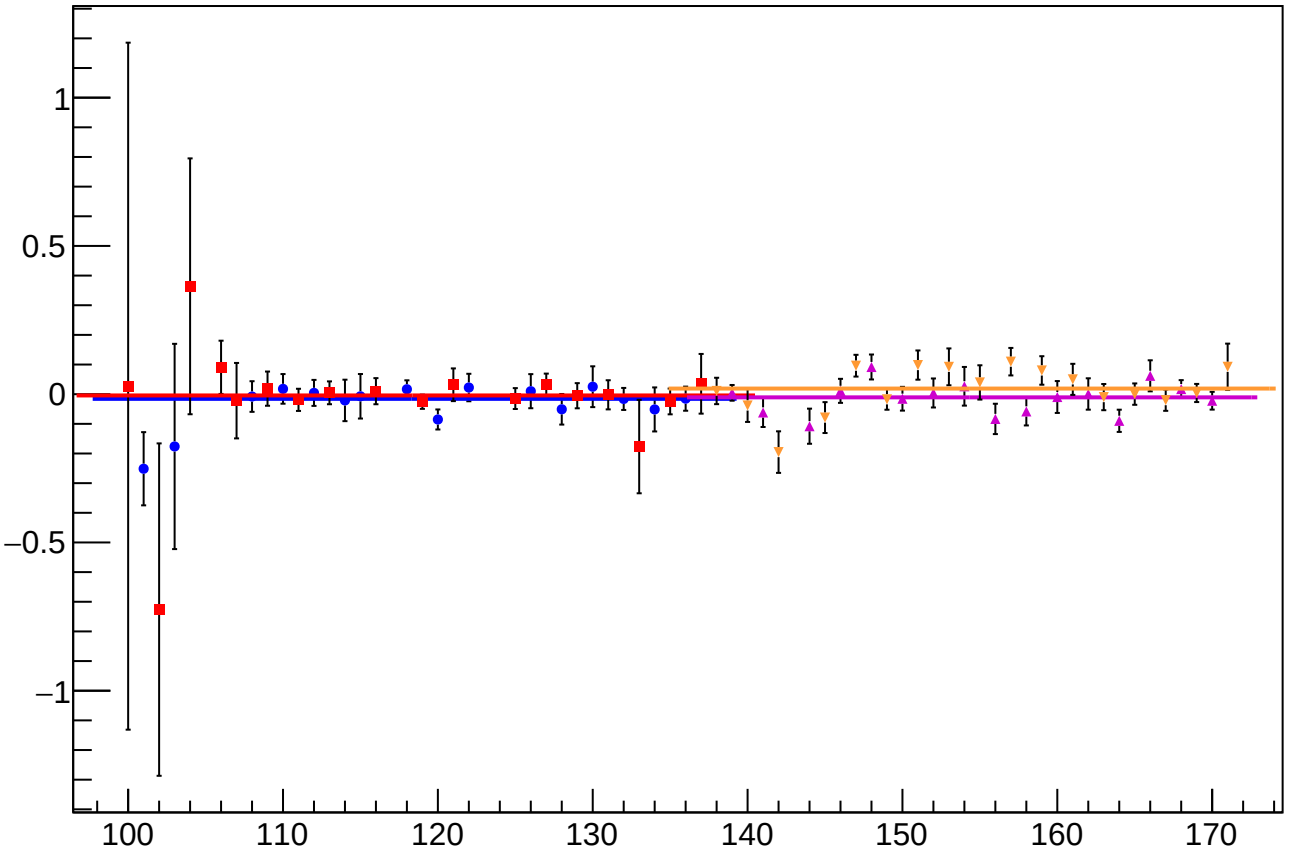
Left: 0.004+/-0.000 χ^2/NDF: 11620138.2/32

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:7942646.6/31

Out: 0.004+/-0.000 χ^2/NDF:8170181.3/34

All: 0.004+/-0.000 χ^2/NDF: 16115097.0/66



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:21.2/15

Left: 0.003+/-0.007 χ^2/NDF: 57.5/32

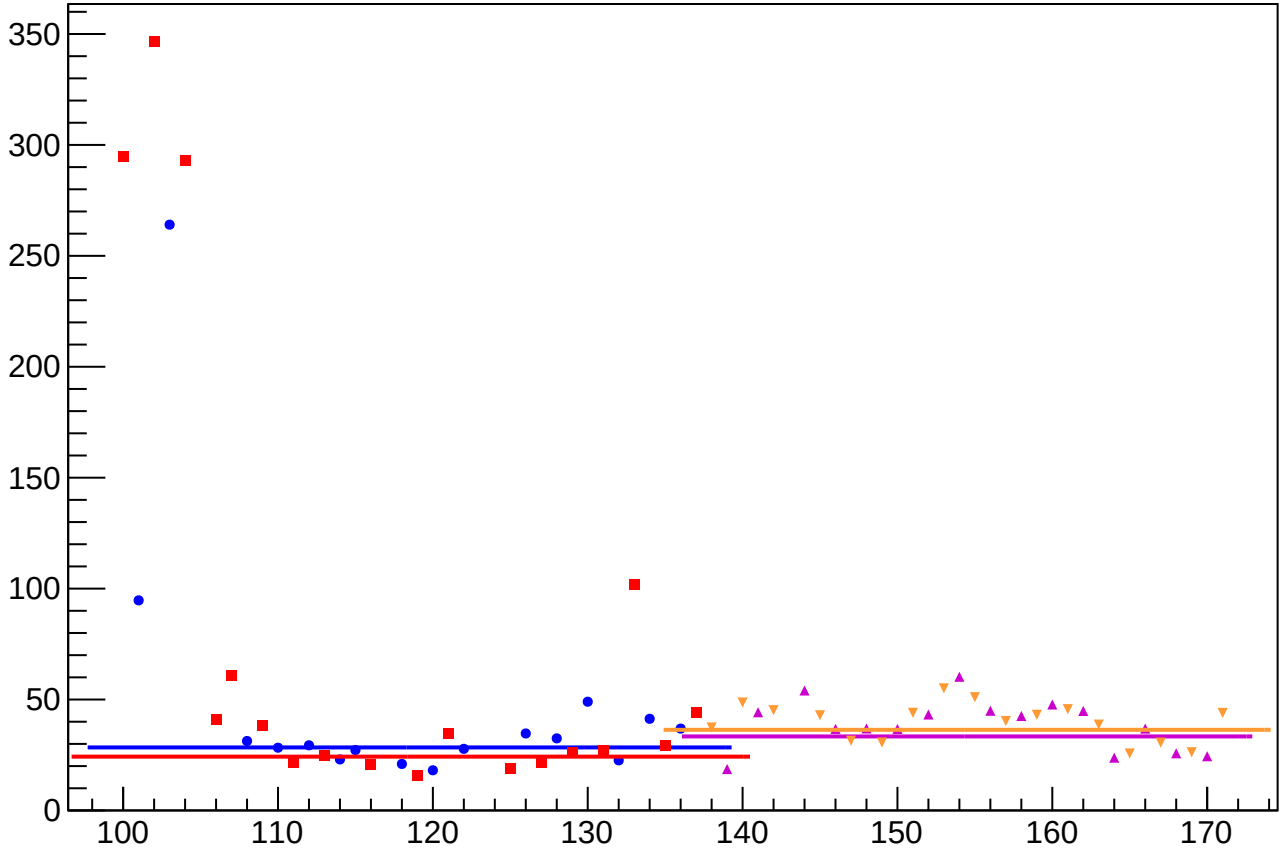
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.0/66

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: 33.365+/-0.007 χ^2/NDF:2283907.4/15

Left: 34.780+/-0.005 χ^2/NDF: 3562126.7/32

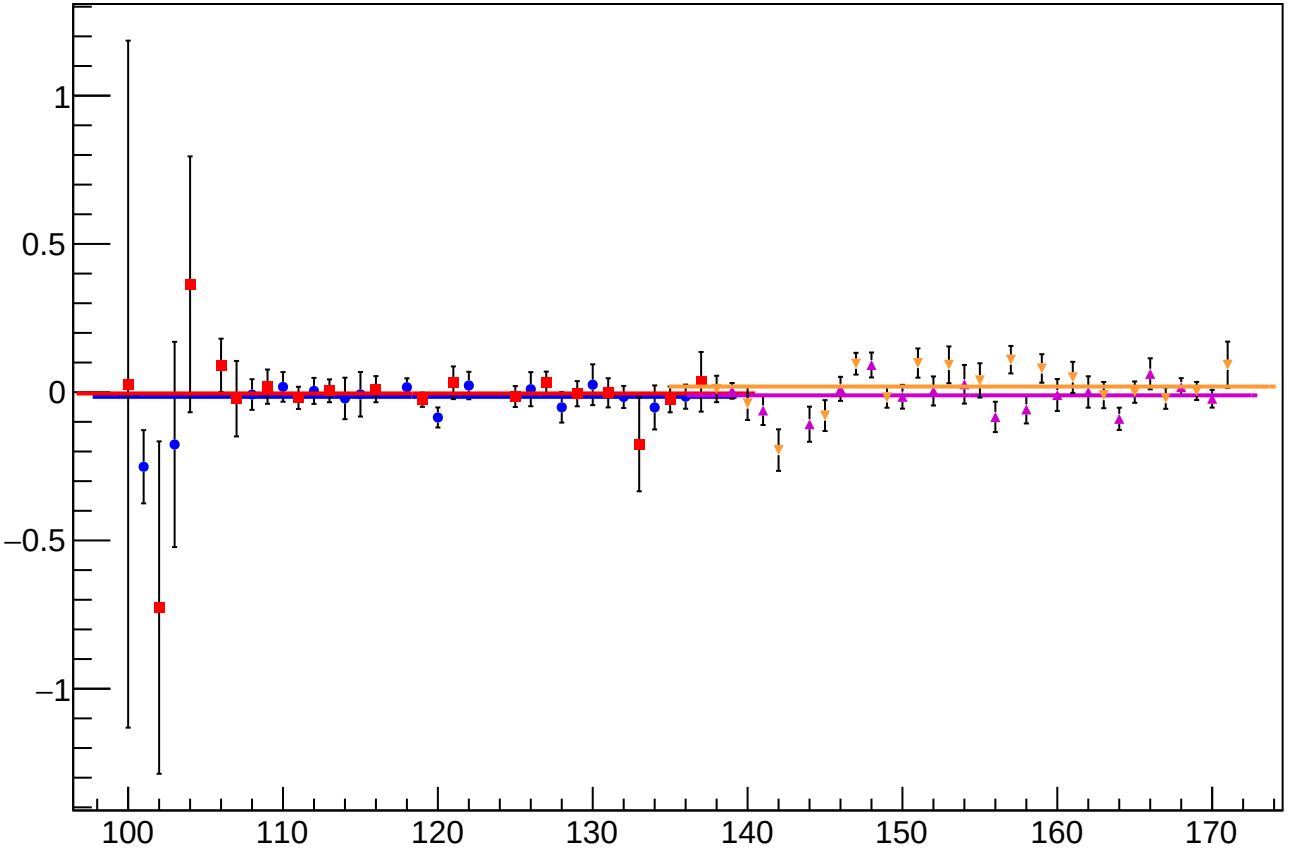
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.320+/-0.006 χ^2/NDF:4719866.8/31

Out: 30.612+/-0.006 χ^2/NDF:5288336.1/34

All: 30.965+/-0.004 χ^2/NDF: 10016256.6/66

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:21.2/15

Left: 0.003+/-0.007 χ^2/NDF: 57.5/32

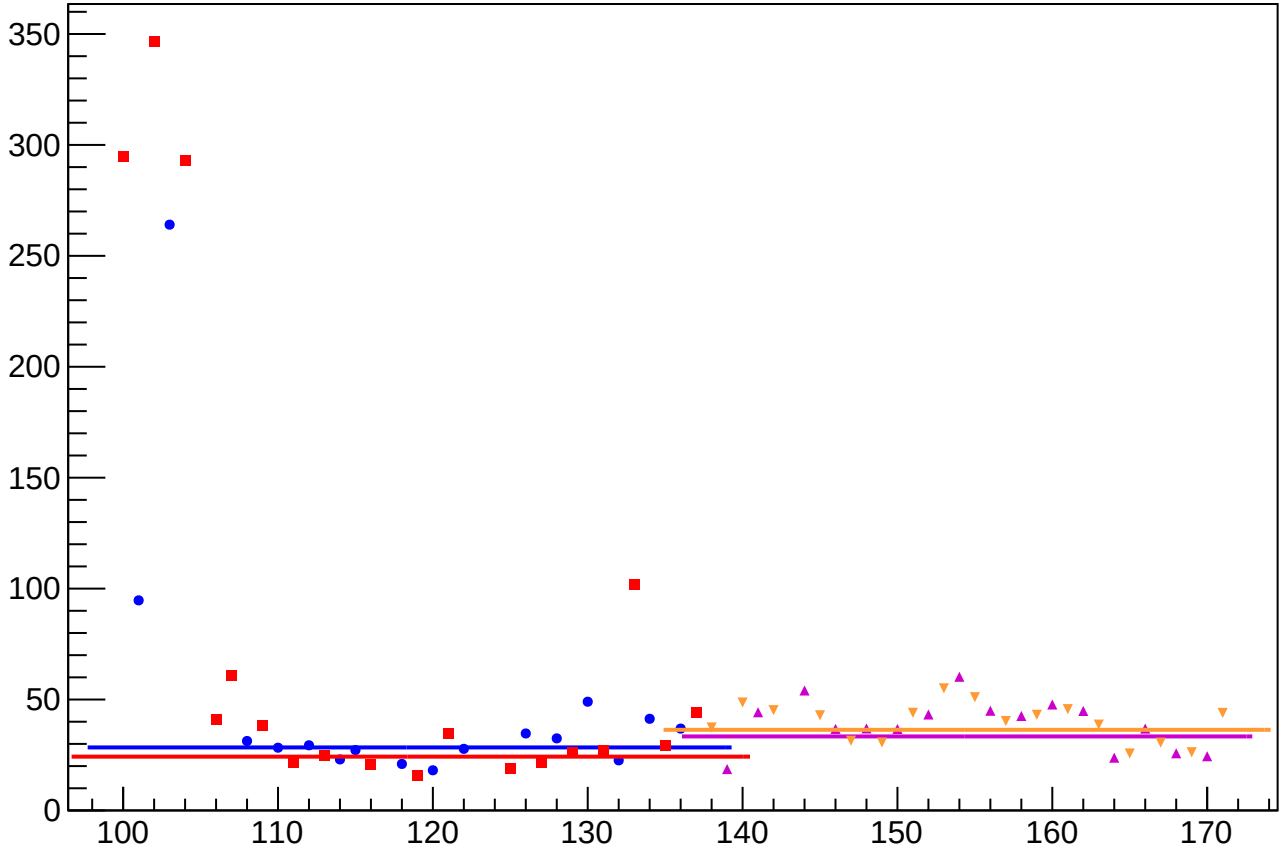
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.2/31

Out: 0.008+/-0.008 χ^2/NDF:42.3/34

All: -0.002+/-0.006 χ^2/NDF: 79.0/66

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: 33.365+/-0.007 χ^2/NDF:2283907.4/15

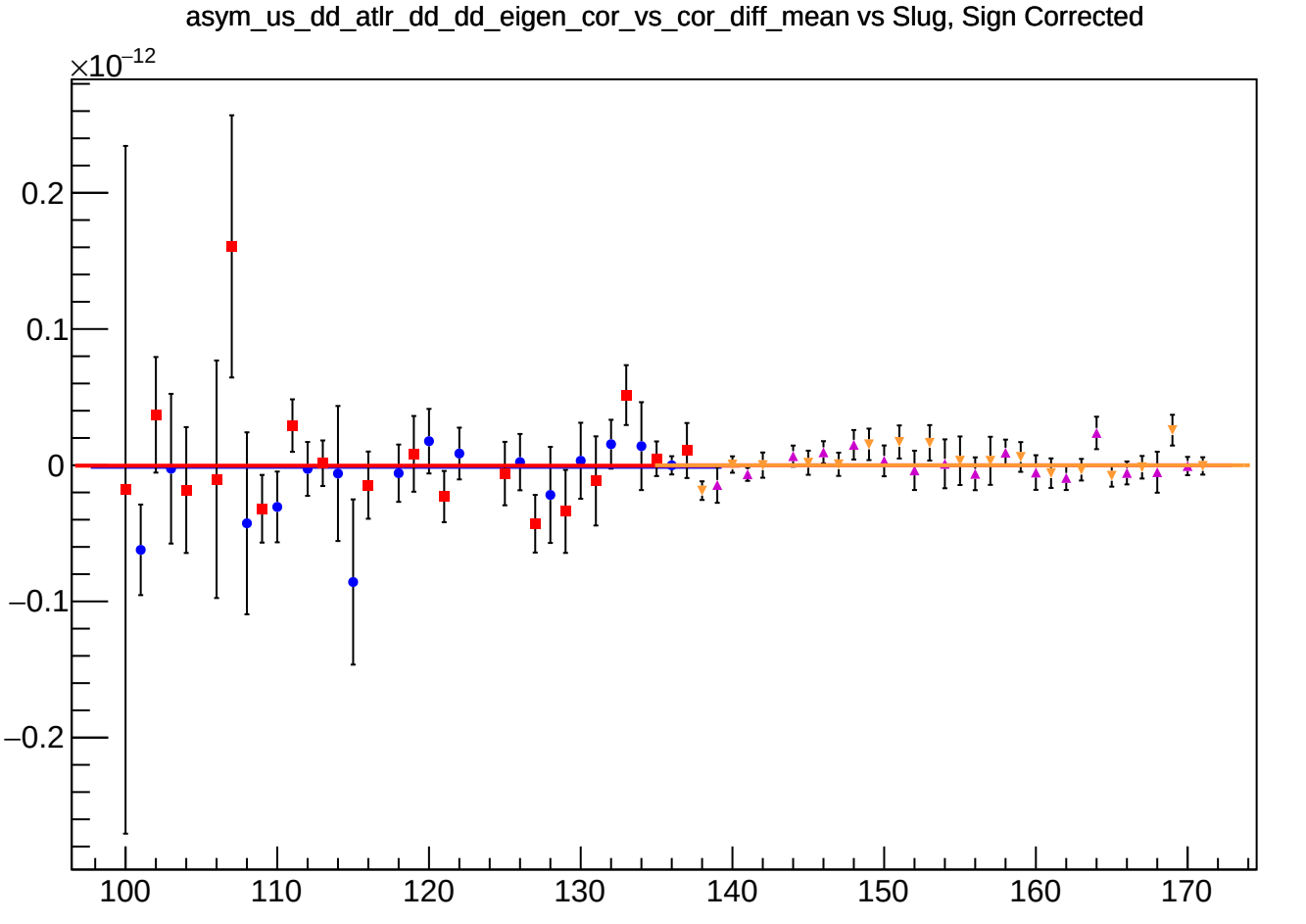
Left: 34.780+/-0.005 χ^2/NDF: 3562126.7/32

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.320+/-0.006 χ^2/NDF:4719866.8/31

Out: 30.612+/-0.006 χ^2/NDF:5288336.1/34

All: 30.965+/-0.004 χ^2/NDF: 10016256.6/66



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:14.2/15

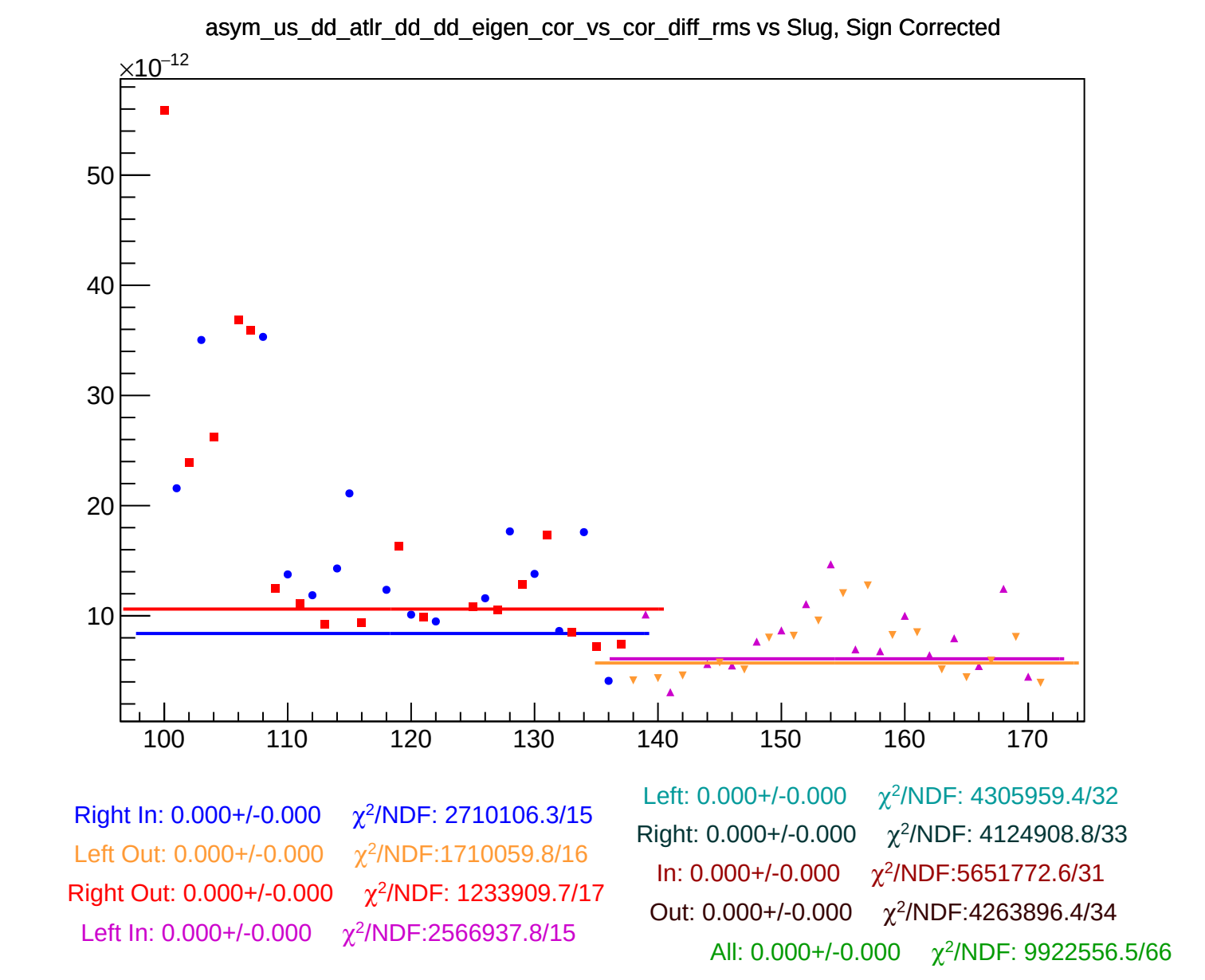
Left: -0.000+/-0.000 χ^2/NDF: 34.1/32

Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

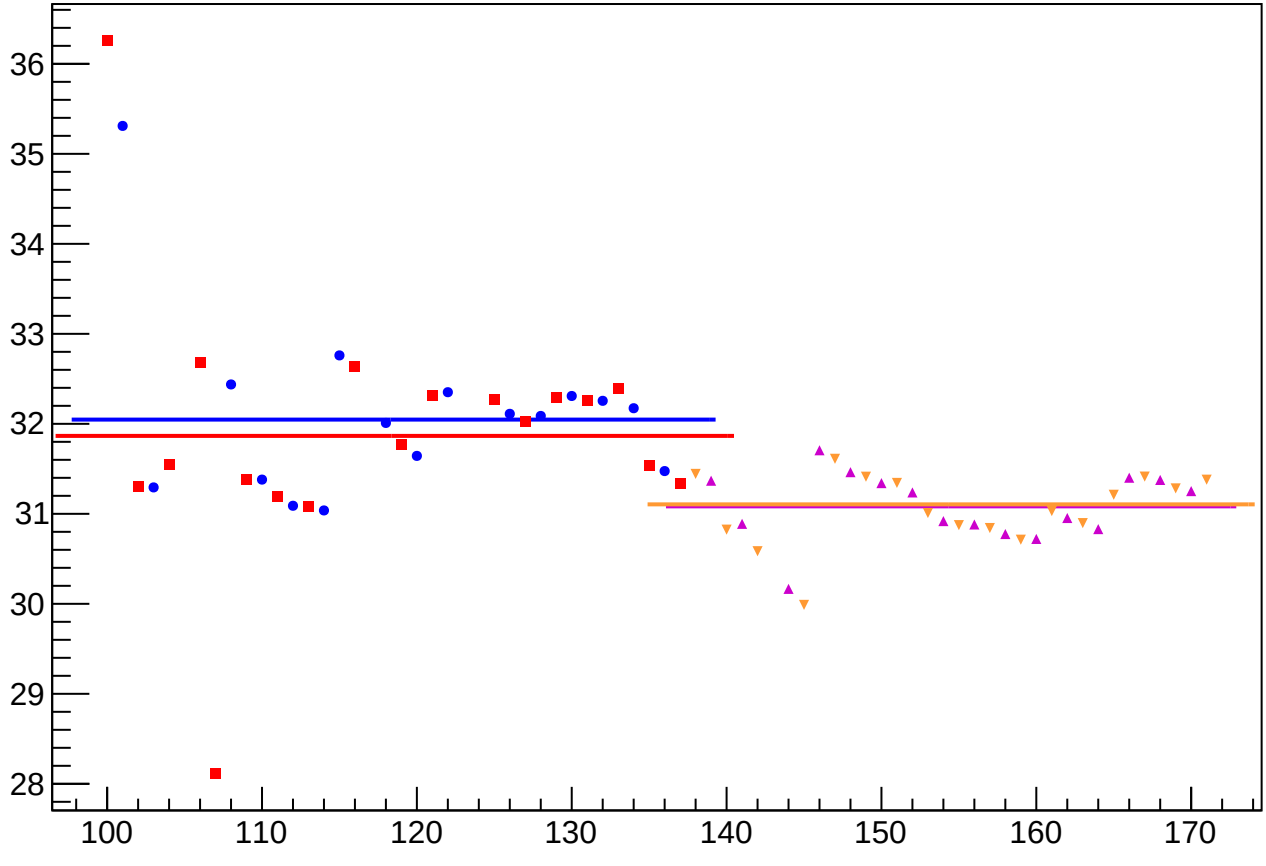
In: -0.000+/-0.000 χ^2/NDF:23.7/31

Out: -0.000+/-0.000 χ^2/NDF:40.9/34

All: -0.000+/-0.000 χ^2/NDF: 64.6/66


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:2566937.8/15
Left: 0.000+/-0.000 χ²/NDF: 4305959.4/32
Right: 0.000+/-0.000 χ²/NDF: 4124908.8/33
In: 0.000+/-0.000 χ²/NDF:5651772.6/31
Out: 0.000+/-0.000 χ²/NDF:4263896.4/34
All: 0.000+/-0.000 χ²/NDF: 9922556.5/66

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: 31.083+/-0.000 χ^2/NDF:251013635.7/15

Left: 31.094+/-0.000 χ^2/NDF: 508184505.2/32

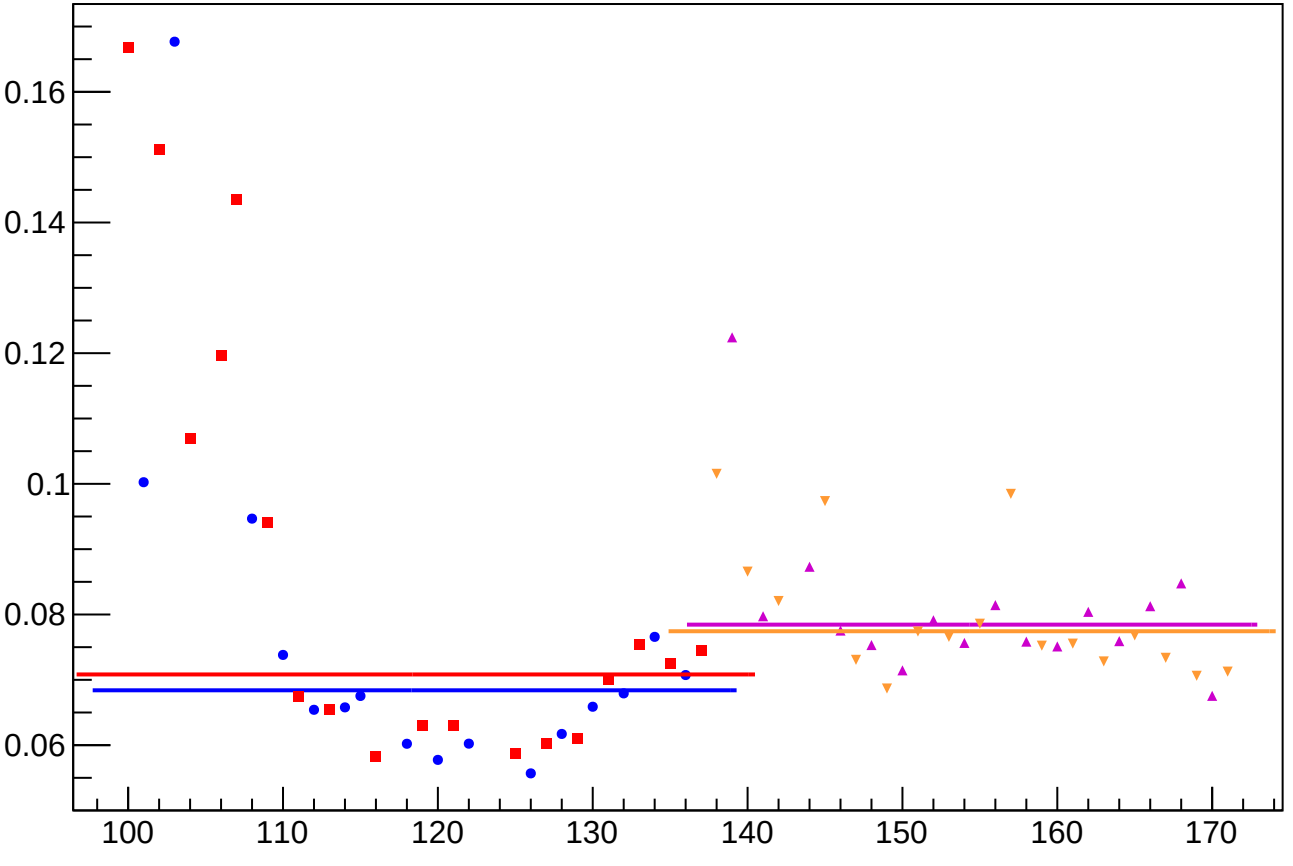
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.479+/-0.000 χ^2/NDF:1882828500.2/31

Out: 31.396+/-0.000 χ^2/NDF:1186579256.0/34

All: 31.437+/-0.000 χ^2/NDF: 3080548313.8/6

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:299908.1/15

Left: 0.078+/-0.000 χ^2/NDF: 595756.7/32

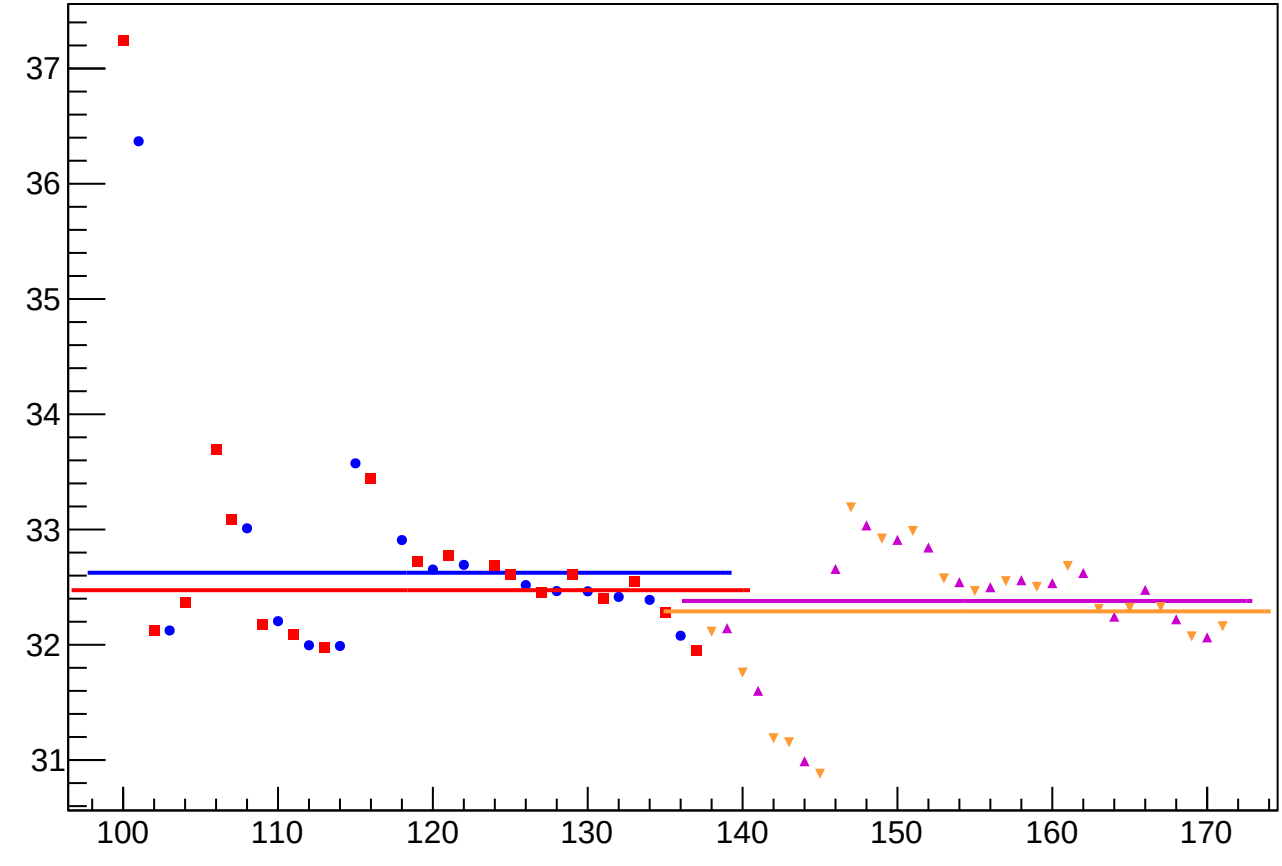
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1162469.0/31

Out: 0.075+/-0.000 χ^2/NDF:1229174.3/34

All: 0.075+/-0.000 χ^2/NDF: 2392764.2/66

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: 32.380+/-0.000 χ^2/NDF:550671153.7/15

Left: 32.333+/-0.000 χ^2/NDF: 1342017533.0/33

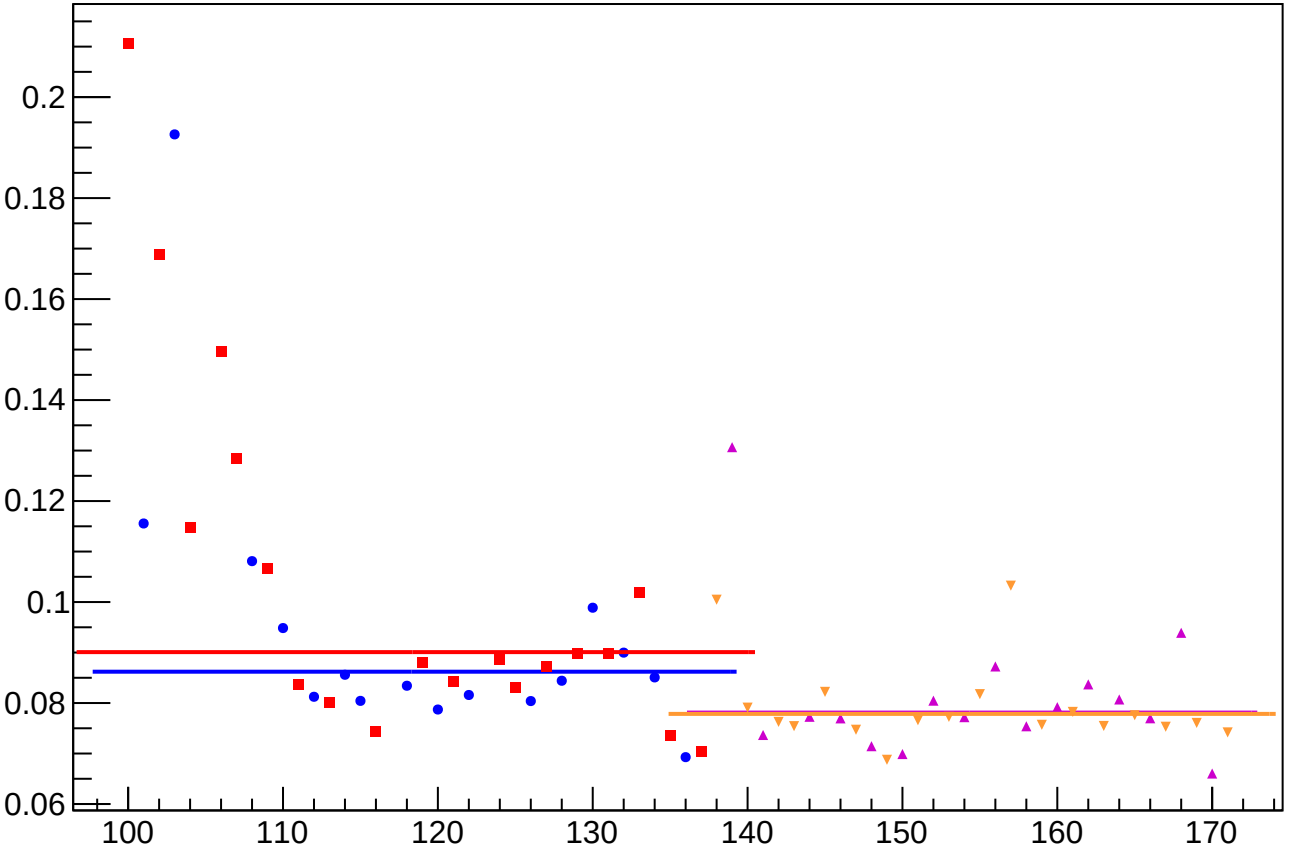
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.454+/-0.000 χ^2/NDF:1325276772.3/31

Out: 32.340+/-0.000 χ^2/NDF:959320183.4/36

All: 32.396+/-0.000 χ^2/NDF: 2303081038.3/6

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:432401.7/15

Left: 0.078+/-0.000 χ^2/NDF: 637903.3/33

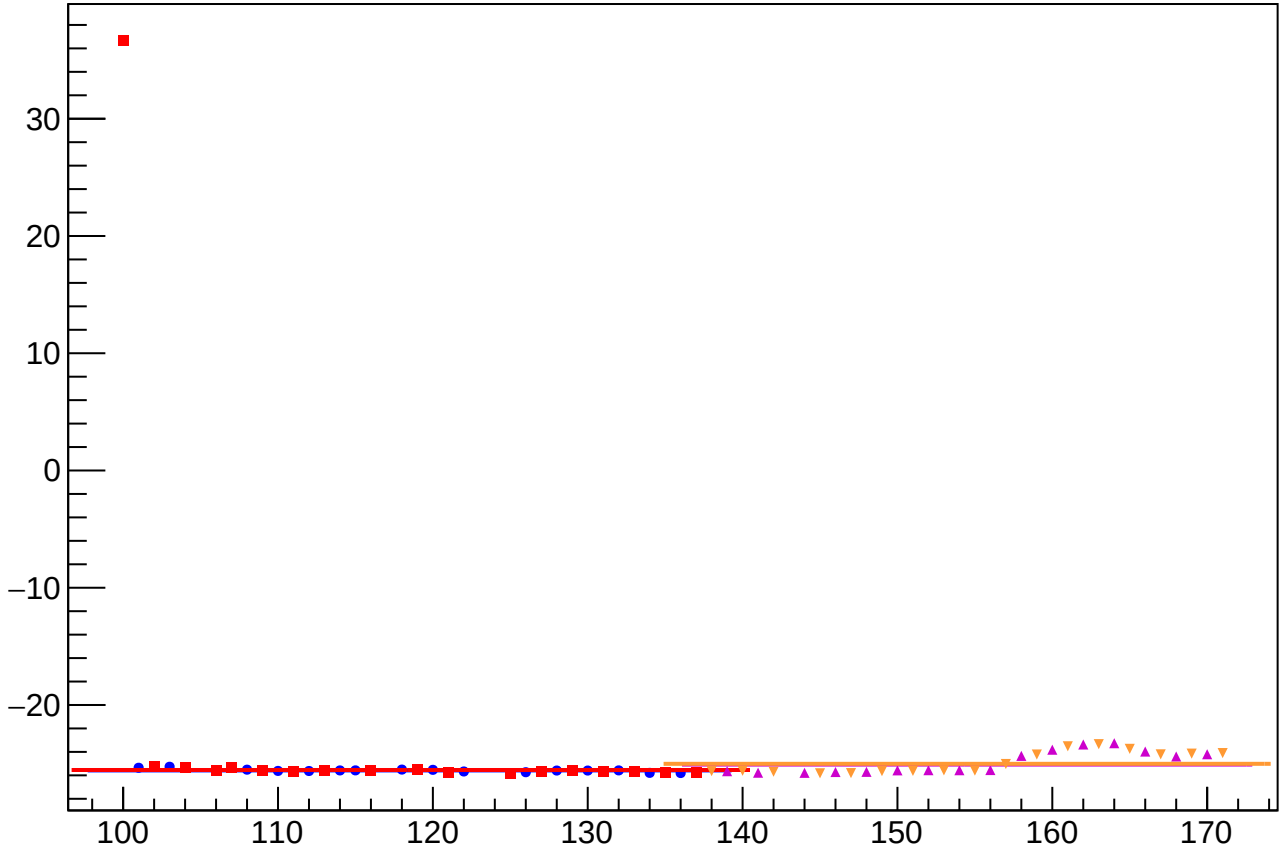
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.081+/-0.000 χ^2/NDF:1108601.3/31

Out: 0.081+/-0.000 χ^2/NDF:1000296.9/36

All: 0.081+/-0.000 χ^2/NDF: 2110056.6/68

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: -25.082+/-0.000 χ^2/NDF:4675176376.3/15

Left: -25.050+/-0.000 χ^2/NDF: 9332957354.8/32

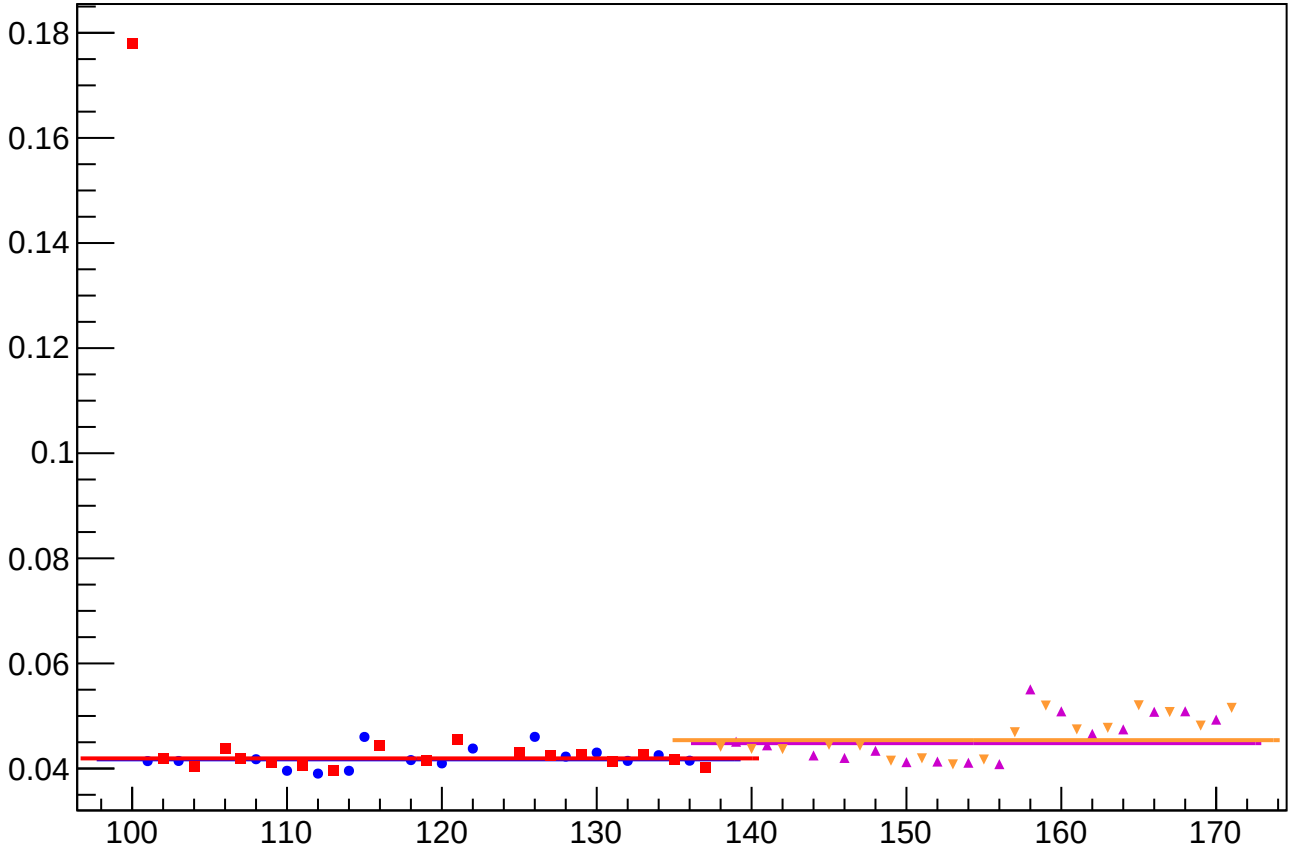
Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

In: -25.276+/-0.000 χ^2/NDF:5391757826.7/31

Out: -25.225+/-0.000 χ^2/NDF:14243919541.7/34

All: -25.251+/-0.000 χ^2/NDF: 19649682955.

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:210889.5/15

Left: 0.045+/-0.000 χ^2/NDF: 378066.2/32

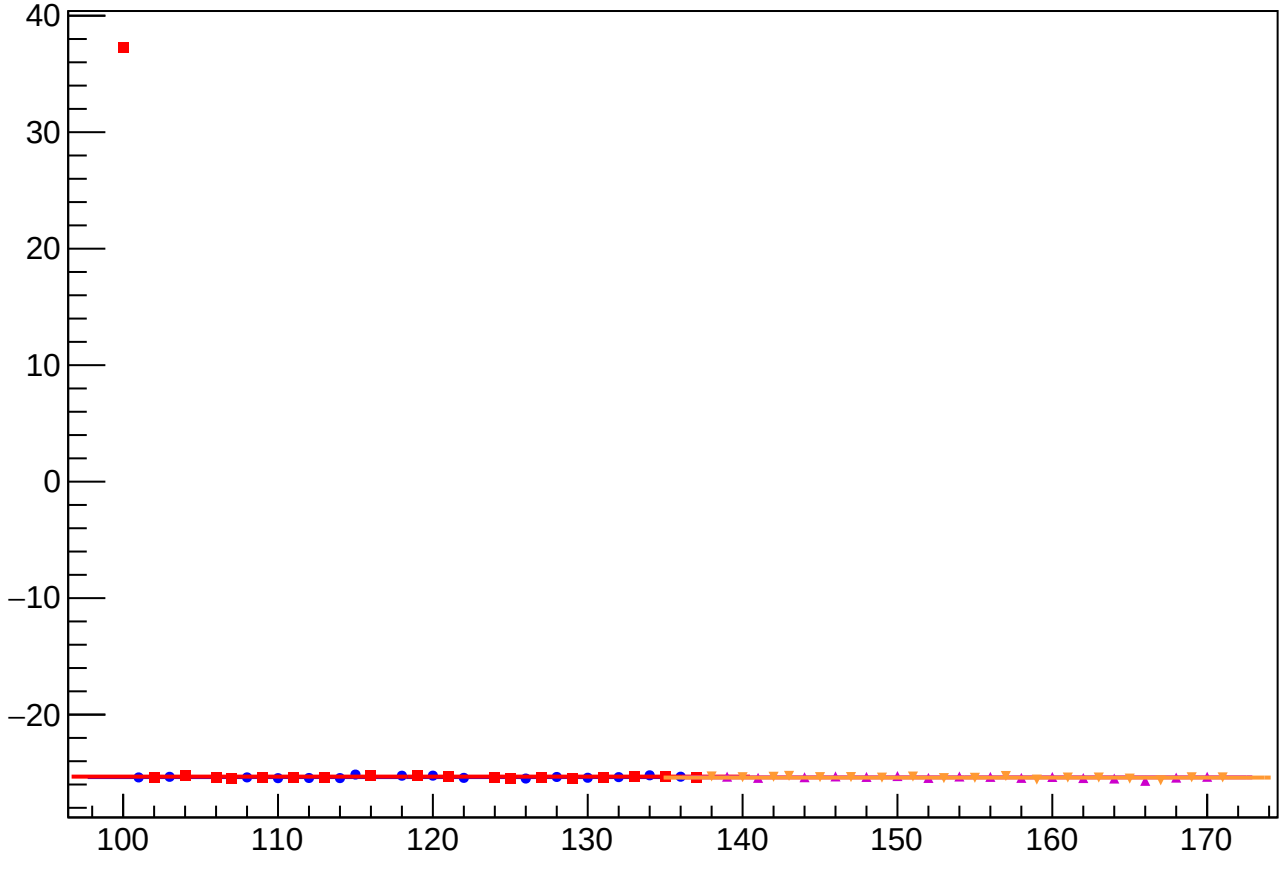
Right: 0.042+/-0.000 χ^2/NDF: 121007.1/33

In: 0.044+/-0.000 χ^2/NDF:279203.1/31

Out: 0.044+/-0.000 χ^2/NDF:325336.0/34

All: 0.044+/-0.000 χ^2/NDF: 606256.2/66

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: -25.384+/-0.000 χ^2/NDF:33112255.6/15

Left: -25.394+/-0.000 χ^2/NDF: 76340343.7/33

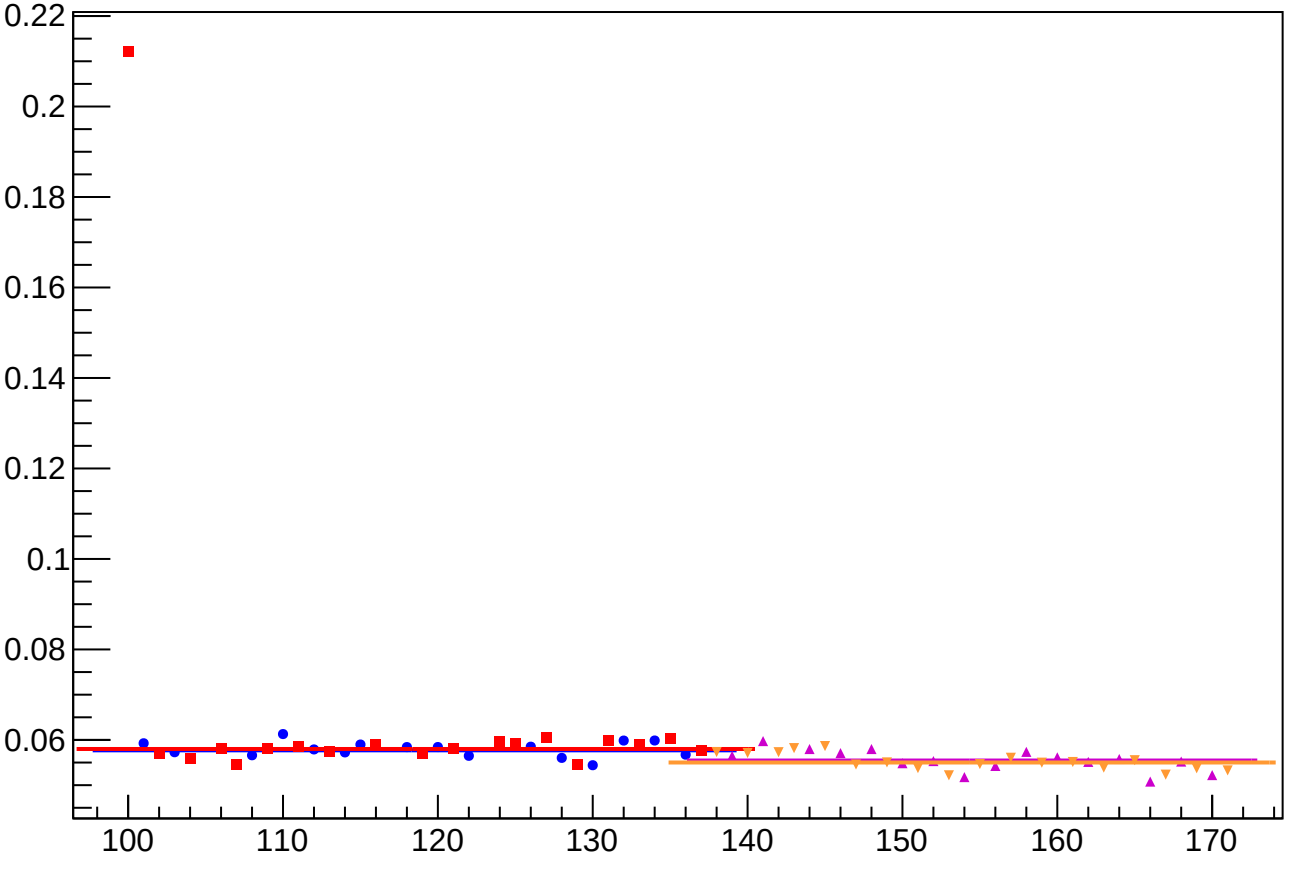
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.376+/-0.000 χ^2/NDF:47181603.5/31

Out: -25.377+/-0.000 χ^2/NDF:6367013412.5/36

All: -25.377+/-0.000 χ^2/NDF: 6414202078.8/

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:44210.8/15

Left: 0.055+/-0.000 χ^2/NDF: 75495.6/33

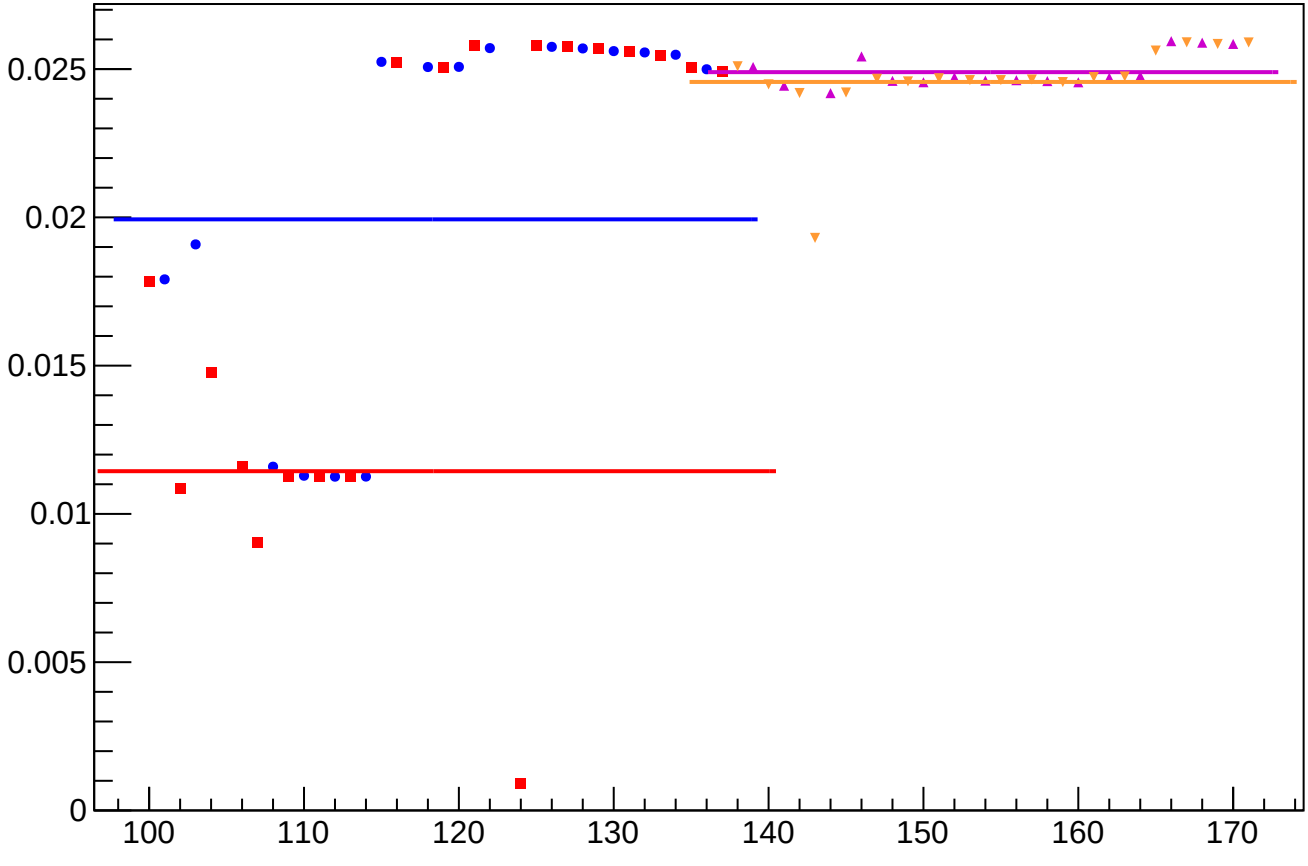
Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

In: 0.056+/-0.000 χ^2/NDF:70122.8/31

Out: 0.056+/-0.000 χ^2/NDF:145127.8/36

All: 0.056+/-0.000 χ^2/NDF: 215601.2/68

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF: 62465154056.0/15

Left Out: 0.025+/-0.000 χ^2/NDF:6055598963.4/17

Right Out: 0.011+/-0.000 χ^2/NDF: 253880264851.8/18

Left In: 0.025+/-0.000 χ^2/NDF:716124932.0/15

Left: 0.025+/-0.000 χ^2/NDF: 6917543164.9/33

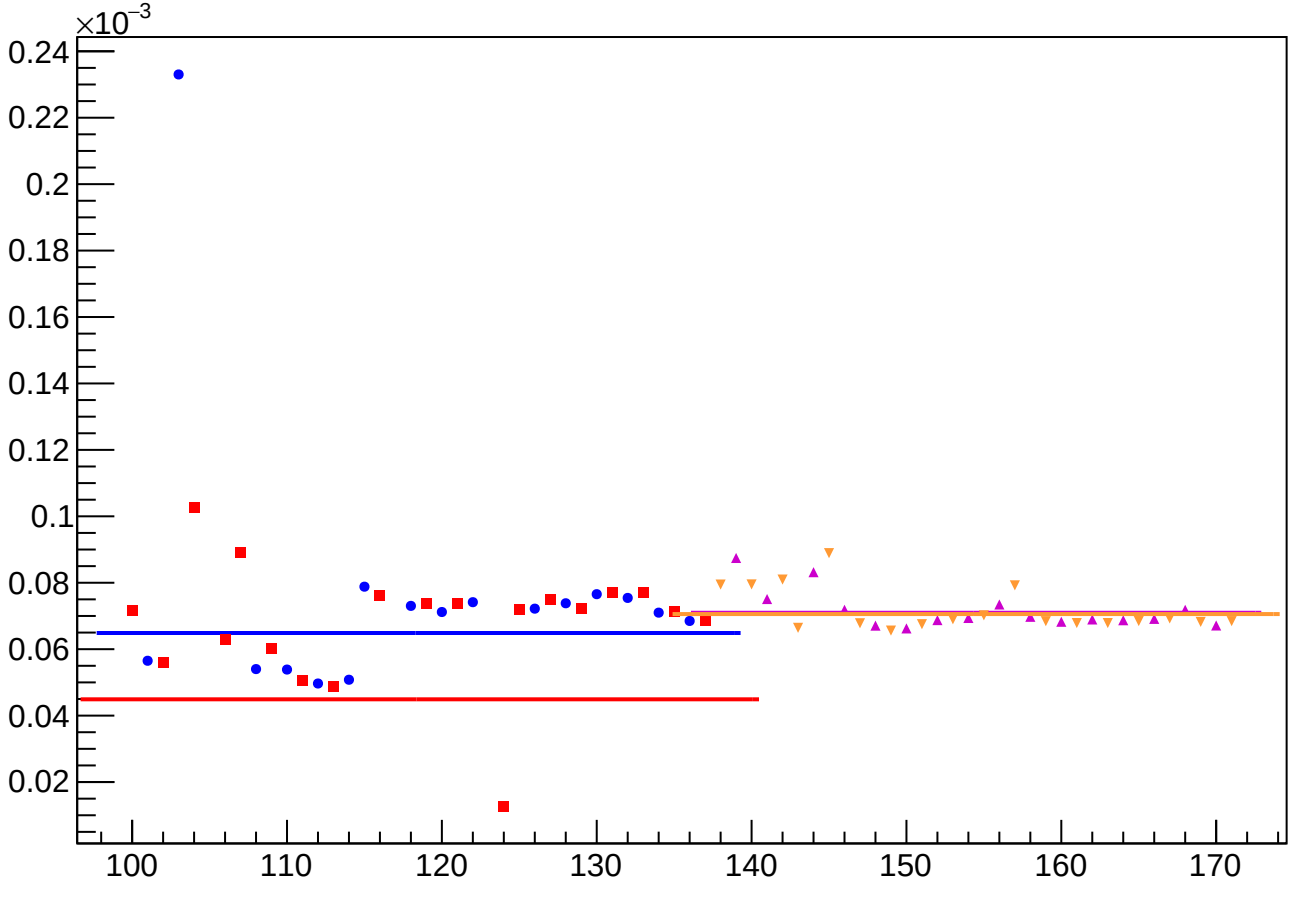
Right: 0.015+/-0.000 χ^2/NDF: 385775066677.0/34

In: 0.023+/-0.000 χ^2/NDF:87051829330.6/31

Out: 0.018+/-0.000 χ^2/NDF:487801927409.9/36

All: 0.020+/-0.000 χ^2/NDF: 625960581325.1

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:131303.8/15

Left: 0.000+/-0.000 χ^2/NDF: 303935.1/33

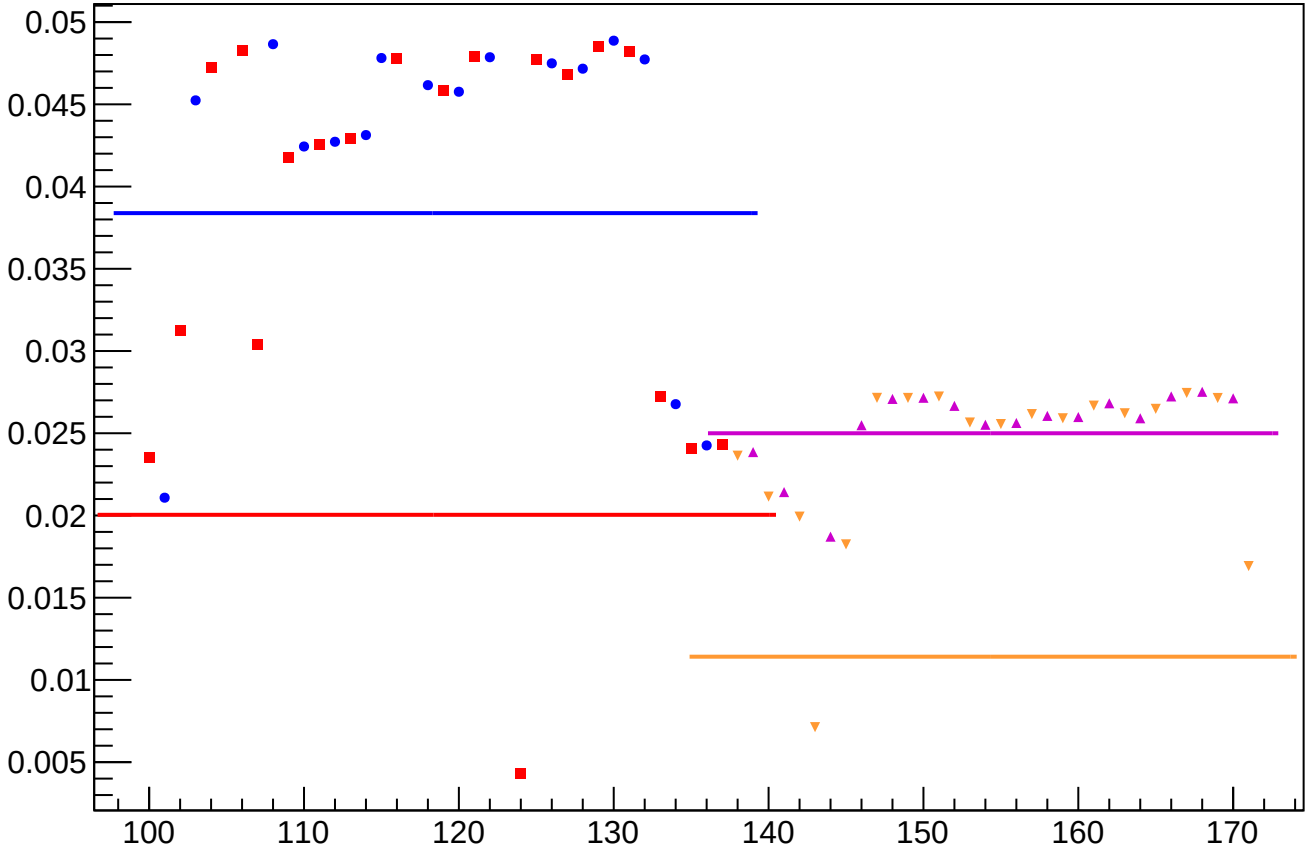
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1020039.1/31

Out: 0.000+/-0.000 χ^2/NDF:5684973.9/36

All: 0.000+/-0.000 χ^2/NDF: 7196159.9/68

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: 0.025+/-0.000 χ^2/NDF:1062048351.9/15

Left: 0.014+/-0.000 χ^2/NDF: 54276781008.8/33

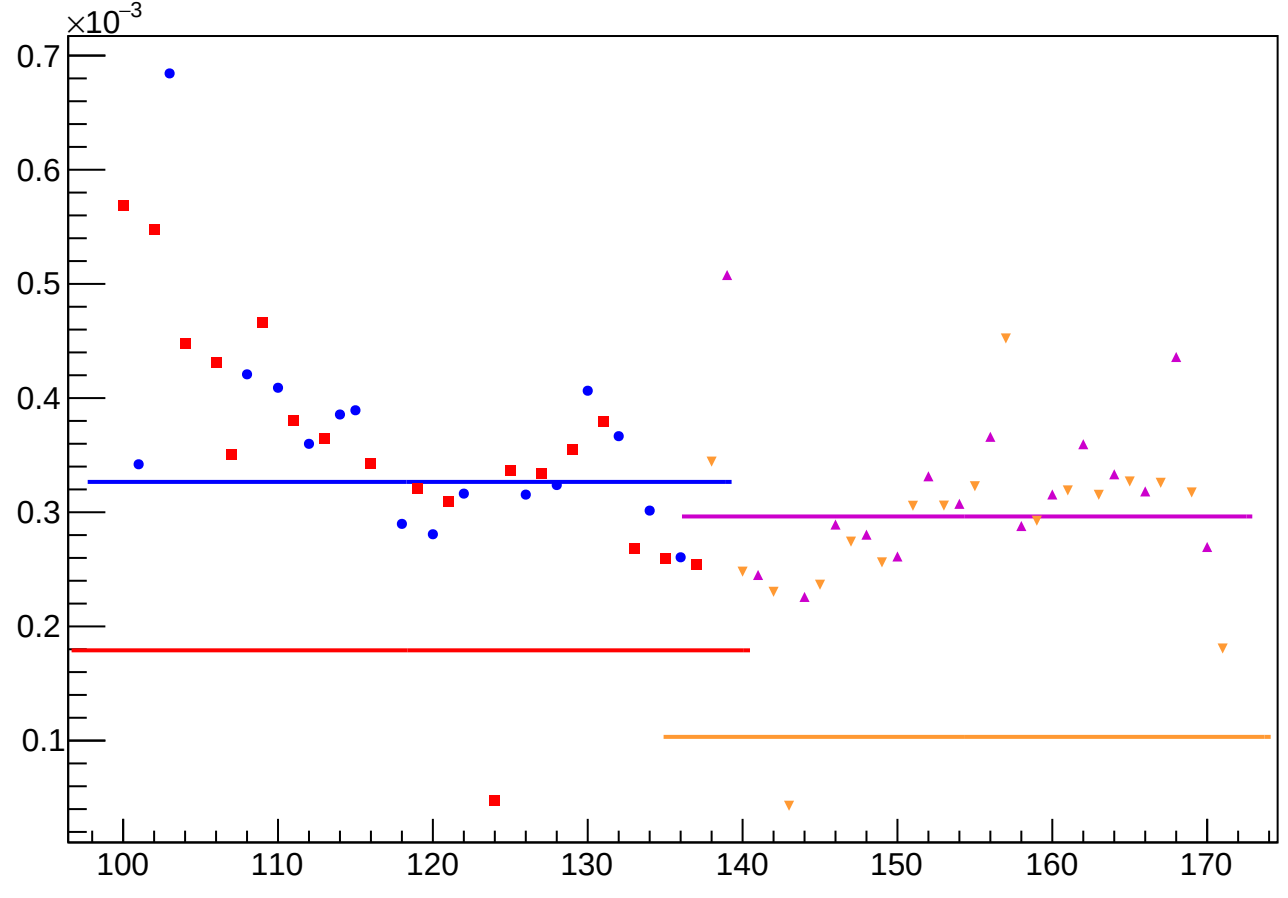
Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

In: 0.029+/-0.000 χ^2/NDF:15474592728.6/31

Out: 0.013+/-0.000 χ^2/NDF:82951043635.2/36

All: 0.016+/-0.000 χ^2/NDF: 138226751961.5

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 581428.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:13192276.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 5660786.3/18

Left In: 0.000+/-0.000 χ^2/NDF:861560.7/15

Left: 0.000+/-0.000 χ^2/NDF: 22119273.7/33

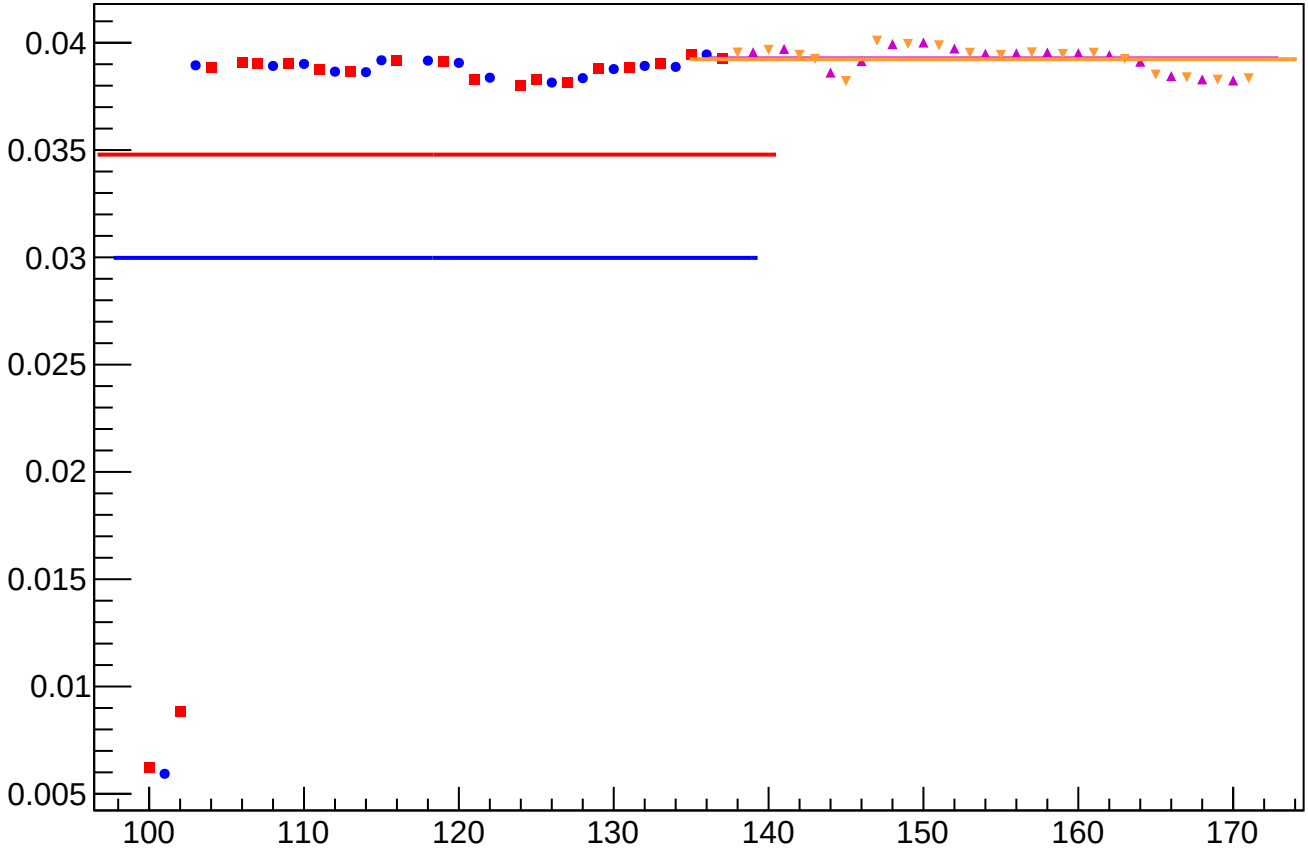
Right: 0.000+/-0.000 χ^2/NDF: 7977614.8/34

In: 0.000+/-0.000 χ^2/NDF:1518004.7/31

Out: 0.000+/-0.000 χ^2/NDF:20014619.8/36

All: 0.000+/-0.000 χ^2/NDF: 32363407.0/68

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:232234971.5/15

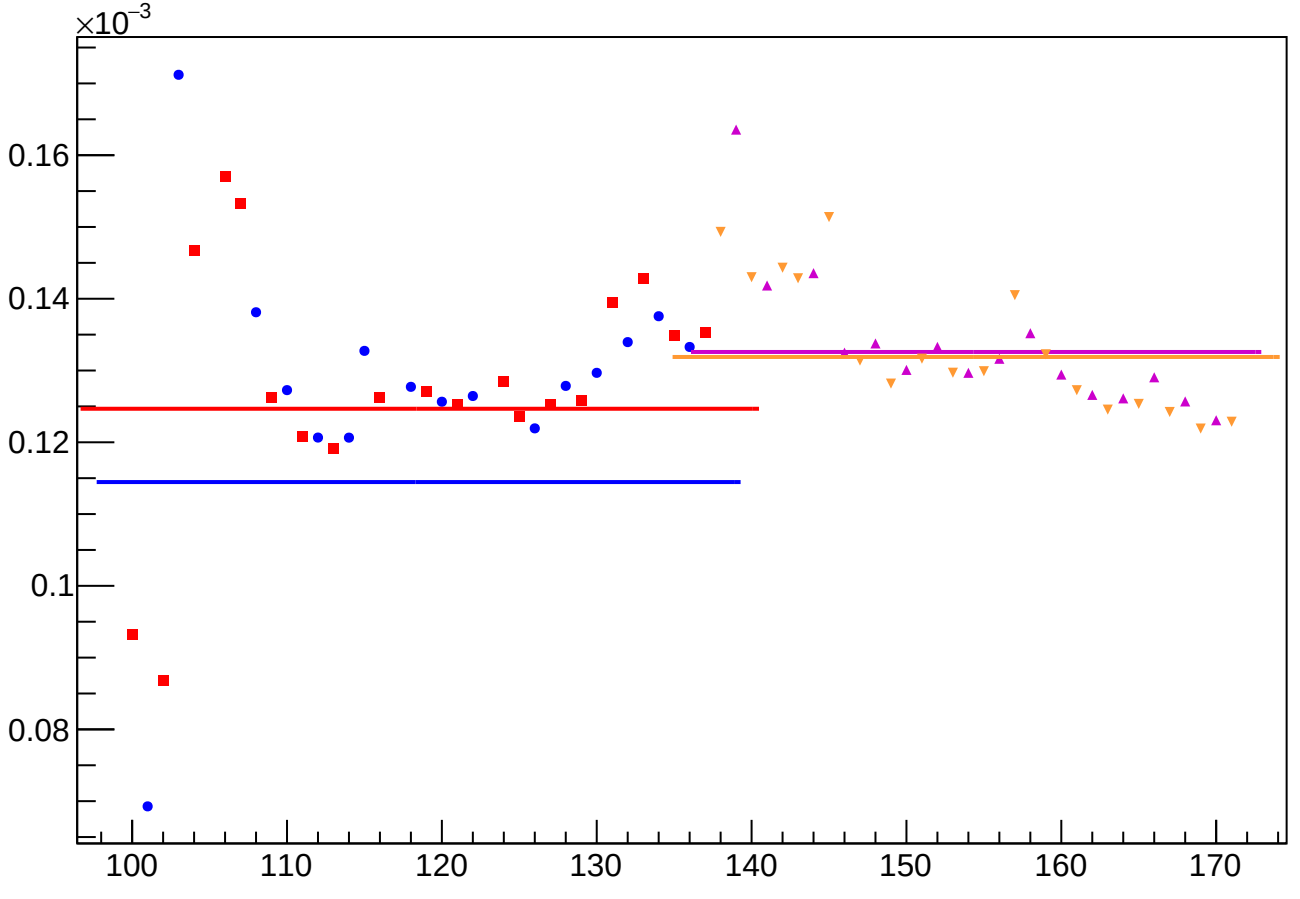
Left: 0.039+/-0.000 χ^2/NDF: 525408387.6/33

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

In: 0.035+/-0.000 χ^2/NDF:134381190657.2/31

Out: 0.038+/-0.000 χ^2/NDF:53199568161.3/36

All: 0.037+/-0.000 χ^2/NDF: 190506490487.4



Right In: 0.000+/-0.000 χ^2/NDF: 853142.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:116094.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 260393.6/18

Left In: 0.000+/-0.000 χ^2/NDF:102094.5/15

Left: 0.000+/-0.000 χ^2/NDF: 218558.2/33

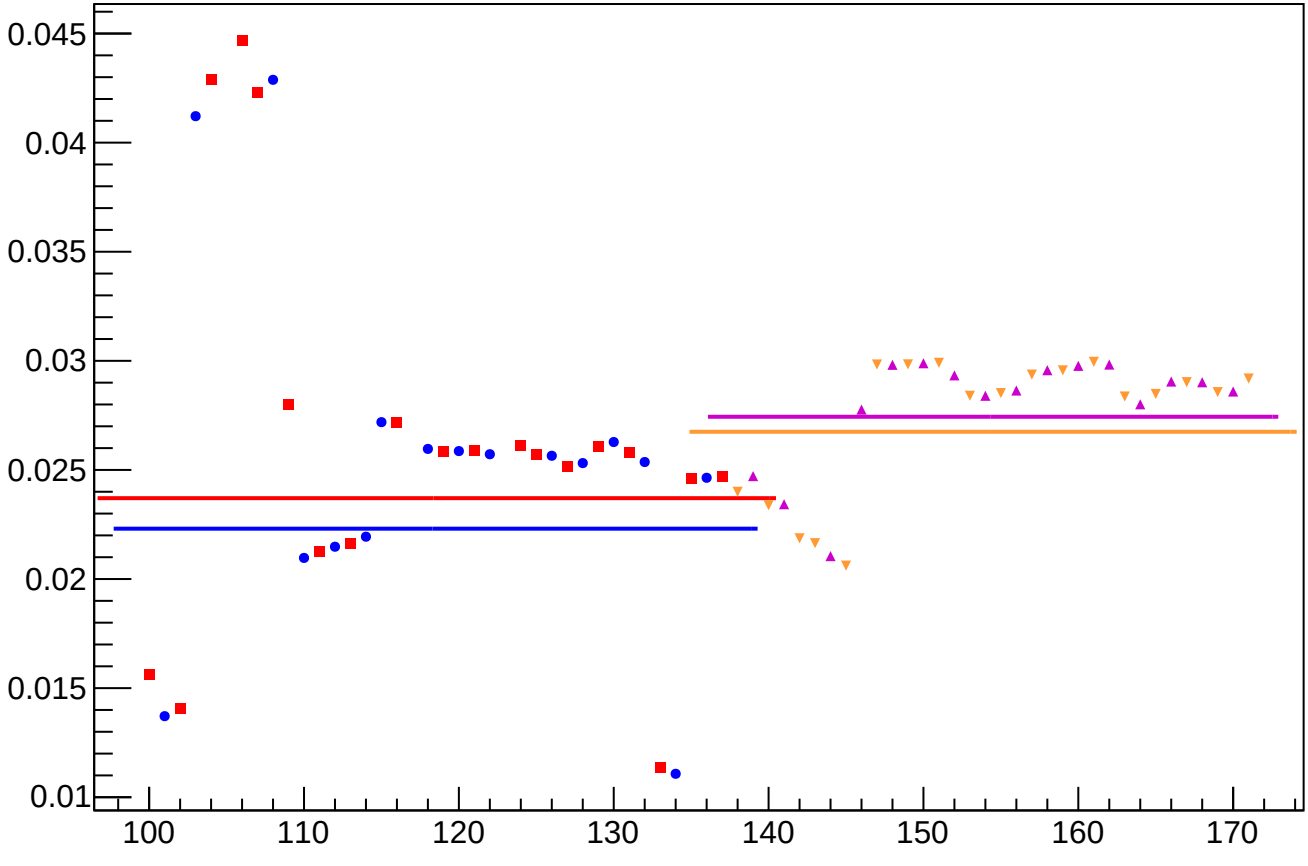
Right: 0.000+/-0.000 χ^2/NDF: 1163063.5/34

In: 0.000+/-0.000 χ^2/NDF:1151998.7/31

Out: 0.000+/-0.000 χ^2/NDF:406234.2/36

All: 0.000+/-0.000 χ^2/NDF: 1579439.9/68

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: 0.027+/-0.000 χ^2/NDF:1292327968.1/15

Left: 0.027+/-0.000 χ^2/NDF: 3254153096.4/33

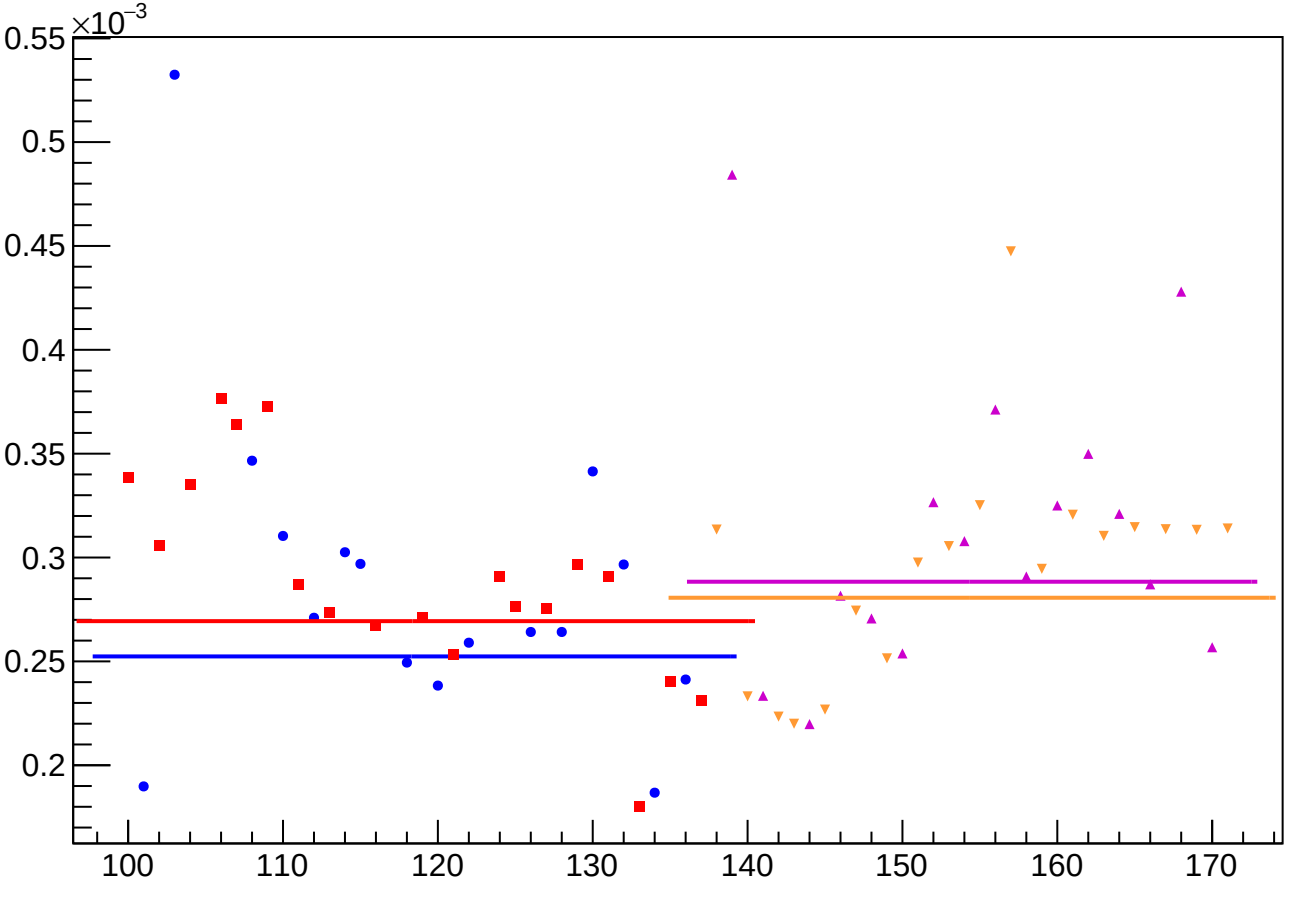
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.025+/-0.000 χ^2/NDF:7825894970.9/31

Out: 0.026+/-0.000 χ^2/NDF:8036430802.2/36

All: 0.025+/-0.000 χ^2/NDF: 15874904786.5/6

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:921880.0/15

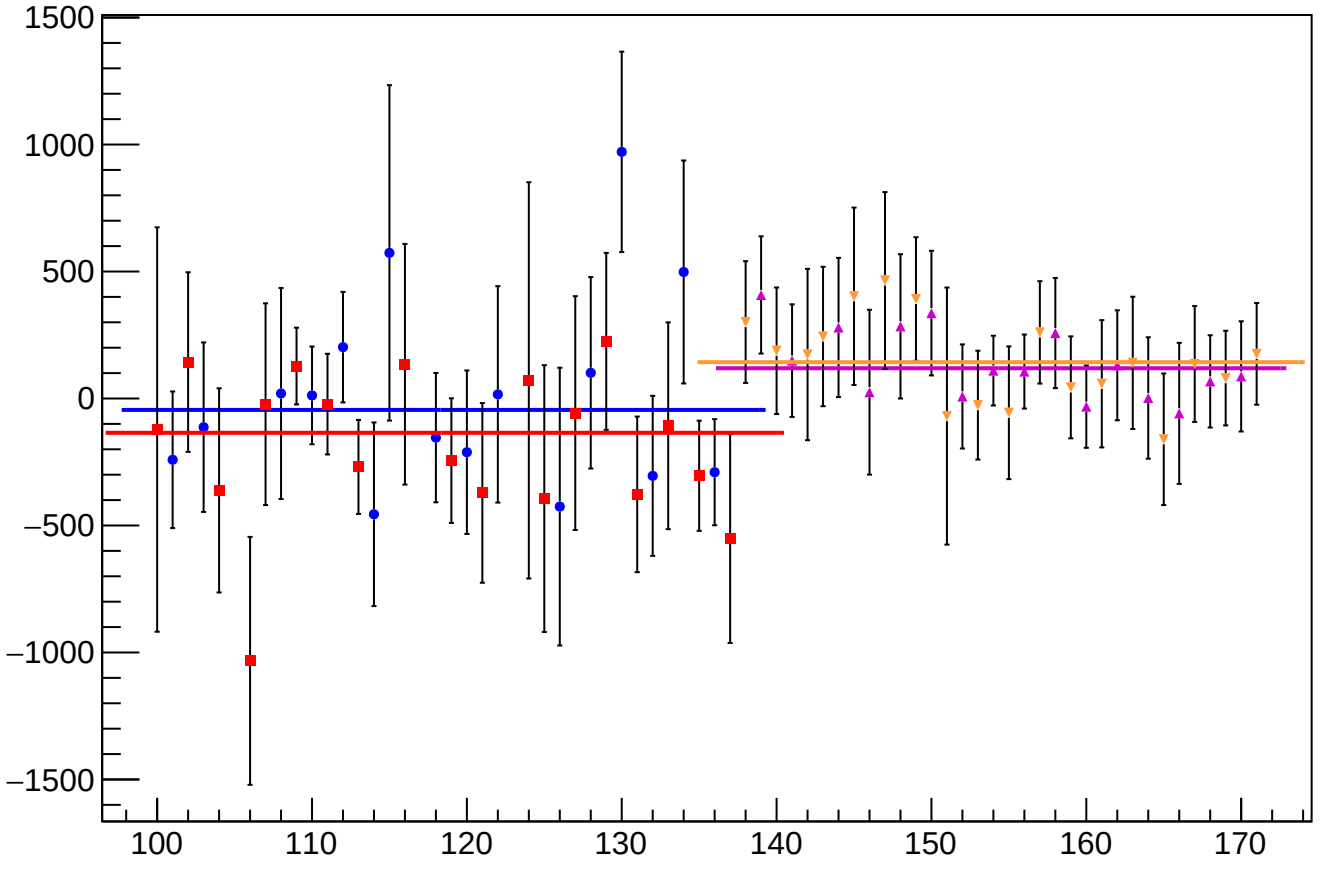
Left: 0.000+/-0.000 χ^2/NDF: 1587230.6/33

Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1779296.8/31

Out: 0.000+/-0.000 χ^2/NDF:1117328.8/36

All: 0.000+/-0.000 χ^2/NDF: 2898816.0/68



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: 119.157+/-51.468 χ^2/NDF:5.5/15

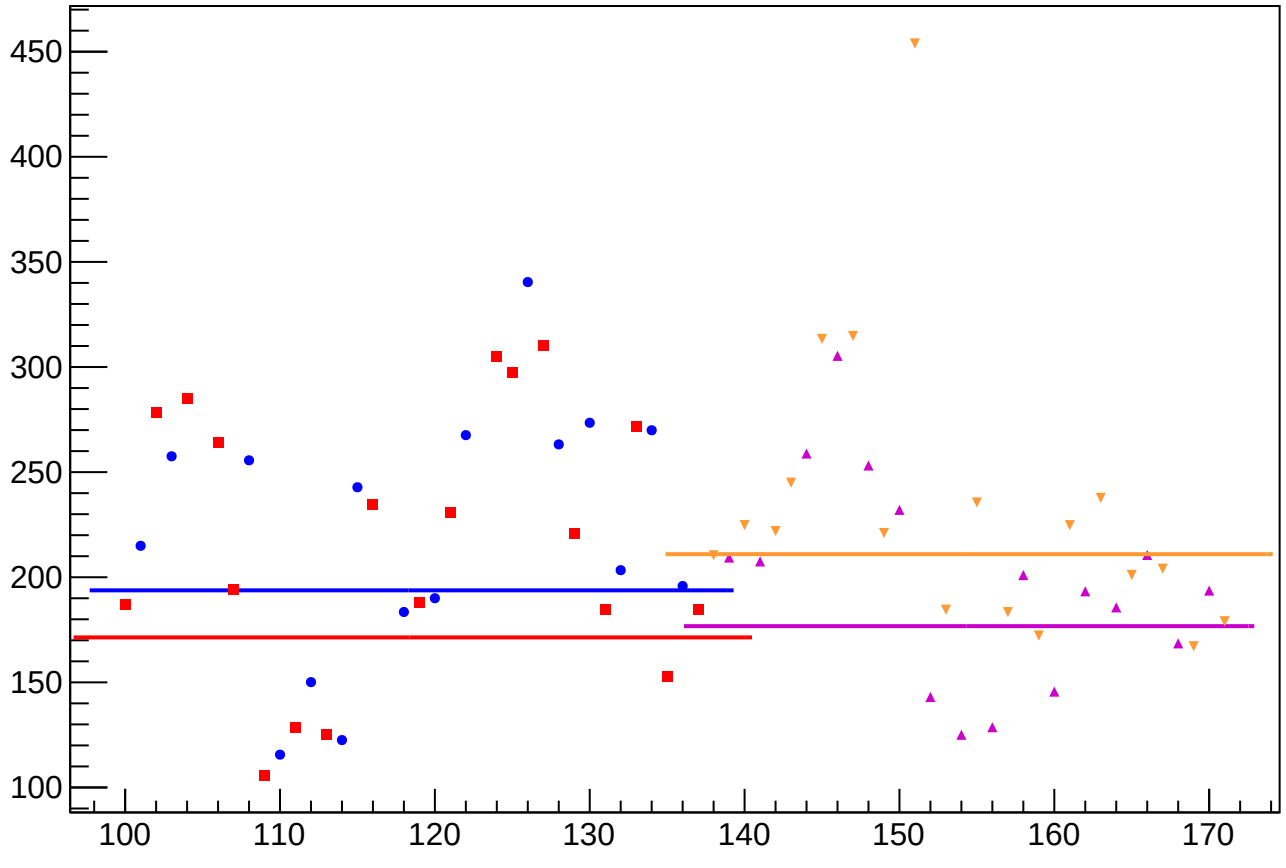
Left: 129.705+/-38.498 χ^2/NDF: 12.2/33

Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 67.753+/-42.650 χ^2/NDF:24.1/31

Out: 26.094+/-44.148 χ^2/NDF:29.3/36

All: 47.643+/-30.674 χ^2/NDF: 53.8/68



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: 176.748+/-0.036 χ^2/NDF:1532252.3/15

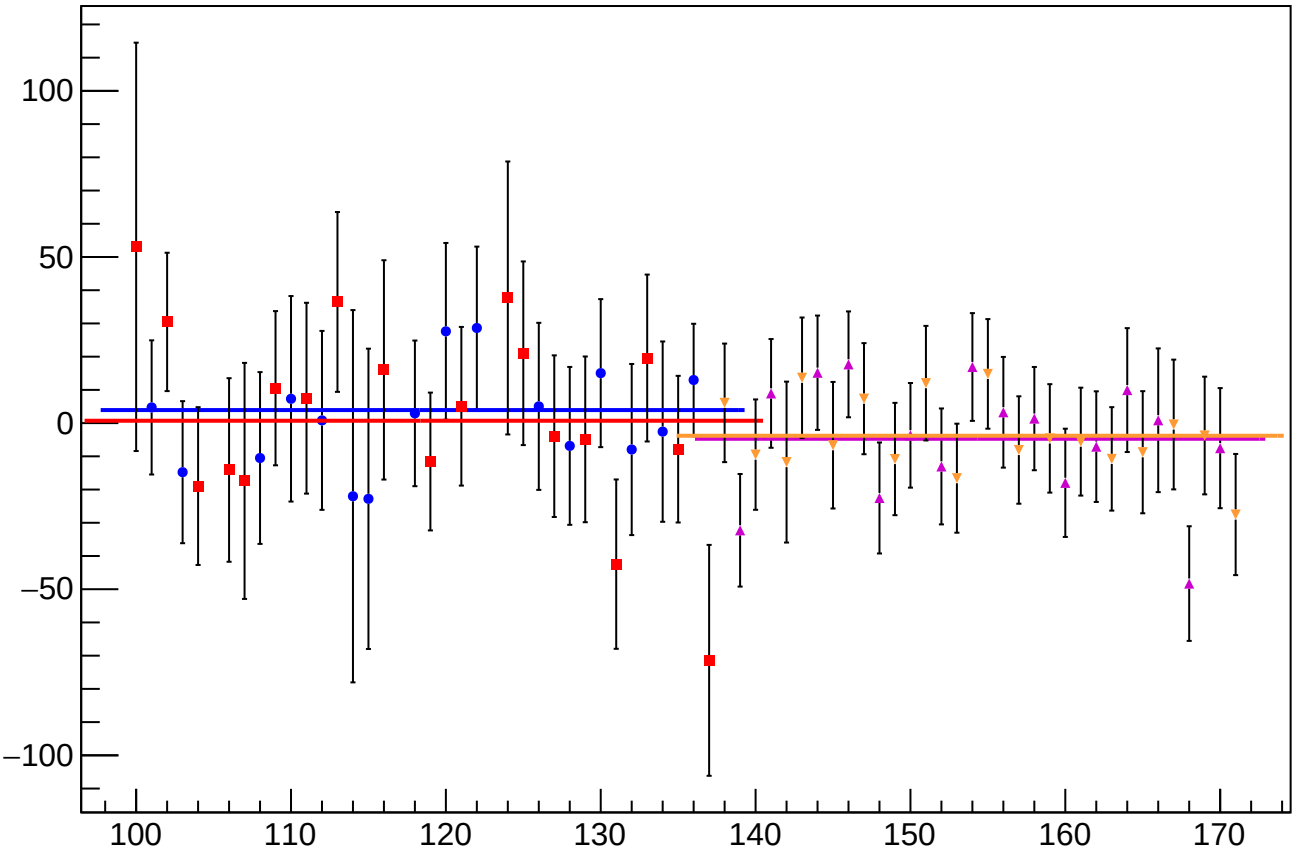
Left: 191.826+/-0.027 χ^2/NDF: 3128371.4/33

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 182.080+/-0.030 χ^2/NDF:2648869.9/31

Out: 194.319+/-0.031 χ^2/NDF:3256614.4/36

All: 187.988+/-0.022 χ^2/NDF: 5984990.5/68



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: -4.717+/-4.234 χ^2/NDF:18.0/15

Left: -4.247+/-2.947 χ^2/NDF: 24.9/33

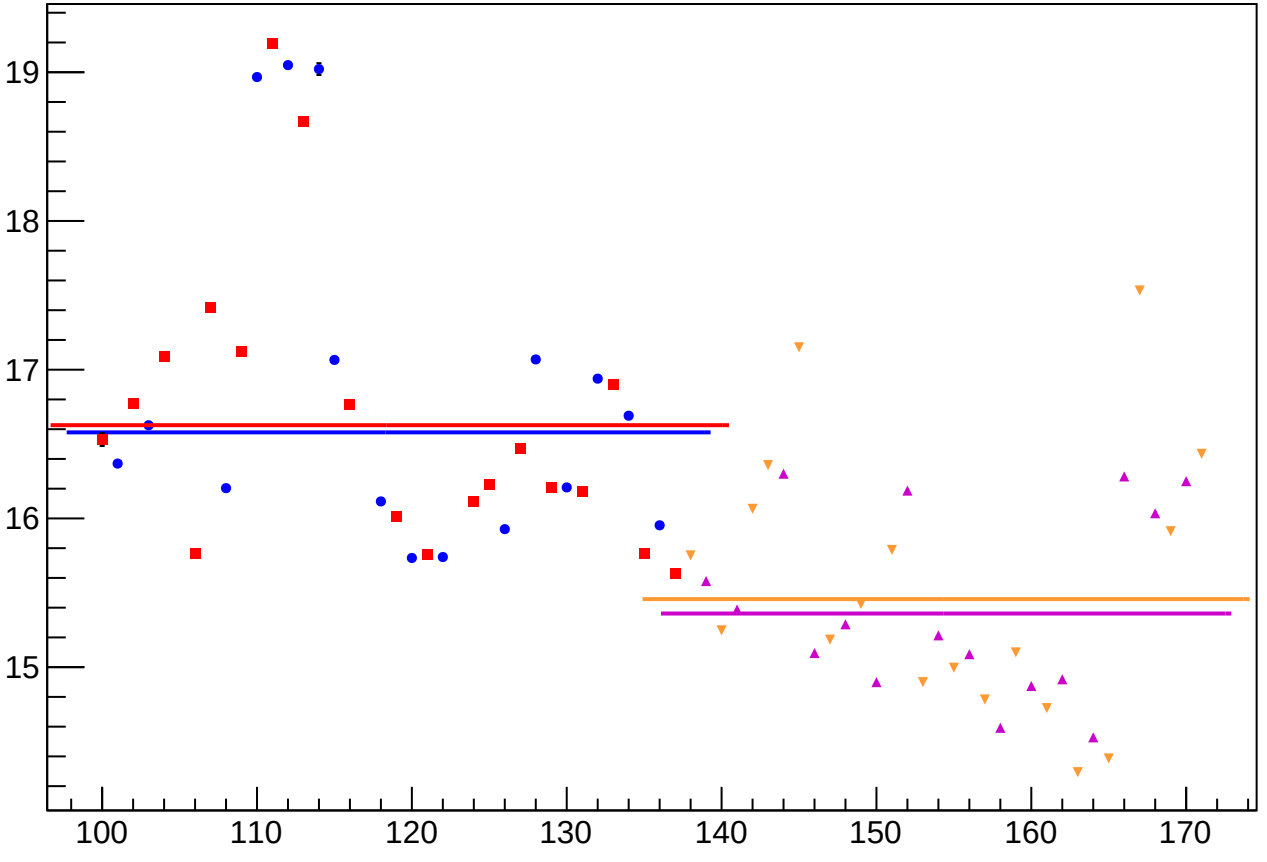
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -1.952+/-3.491 χ^2/NDF:23.8/31

Out: -2.389+/-3.401 χ^2/NDF:23.2/36

All: -2.177+/-2.436 χ^2/NDF: 47.0/68

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: 15.361+/-0.003 χ^2/NDF:37414.2/15

Left: 15.411+/-0.002 χ^2/NDF: 122081.3/33

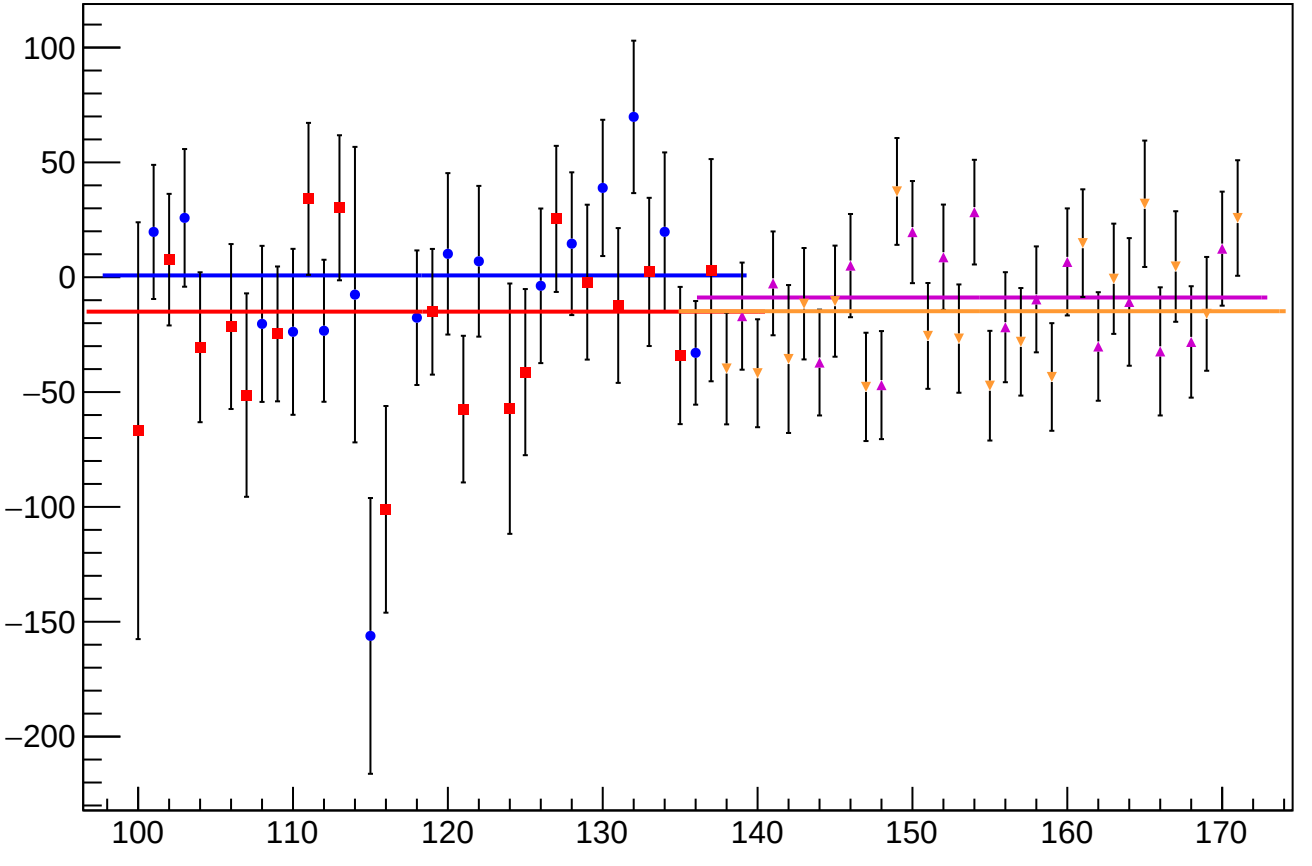
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.750+/-0.002 χ^2/NDF:134955.2/31

Out: 15.824+/-0.002 χ^2/NDF:178438.9/36

All: 15.788+/-0.002 χ^2/NDF: 313848.8/68

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: -8.823+/-5.926 χ^2/NDF:13.2/15

Left: -11.907+/-4.121 χ^2/NDF: 35.8/33

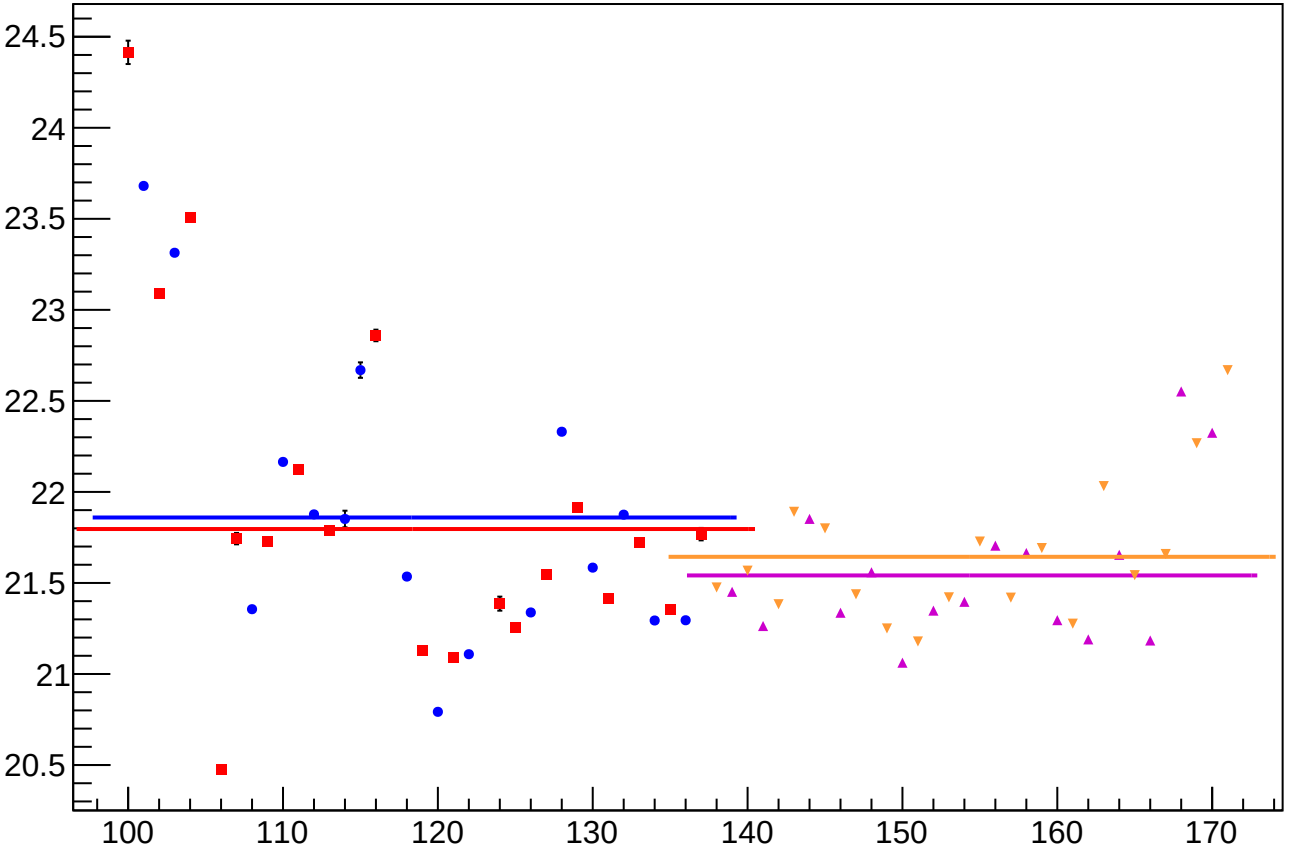
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.485+/-4.788 χ^2/NDF:32.8/31

Out: -14.858+/-4.651 χ^2/NDF:37.4/36

All: -10.307+/-3.336 χ^2/NDF: 72.2/68

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: 21.541+/-0.004 χ^2/NDF:8654.3/15

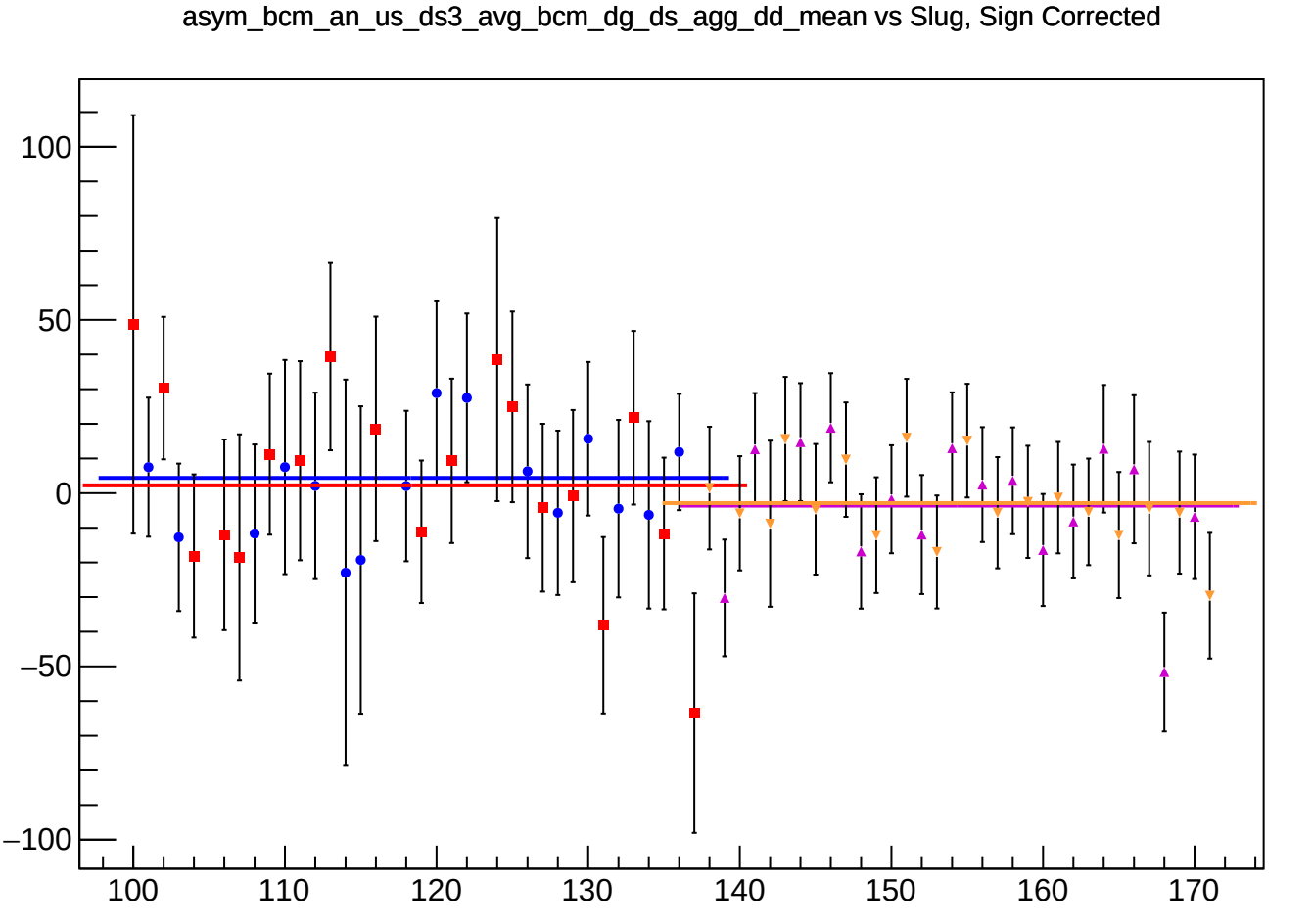
Left: 21.594+/-0.003 χ^2/NDF: 17065.7/33

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

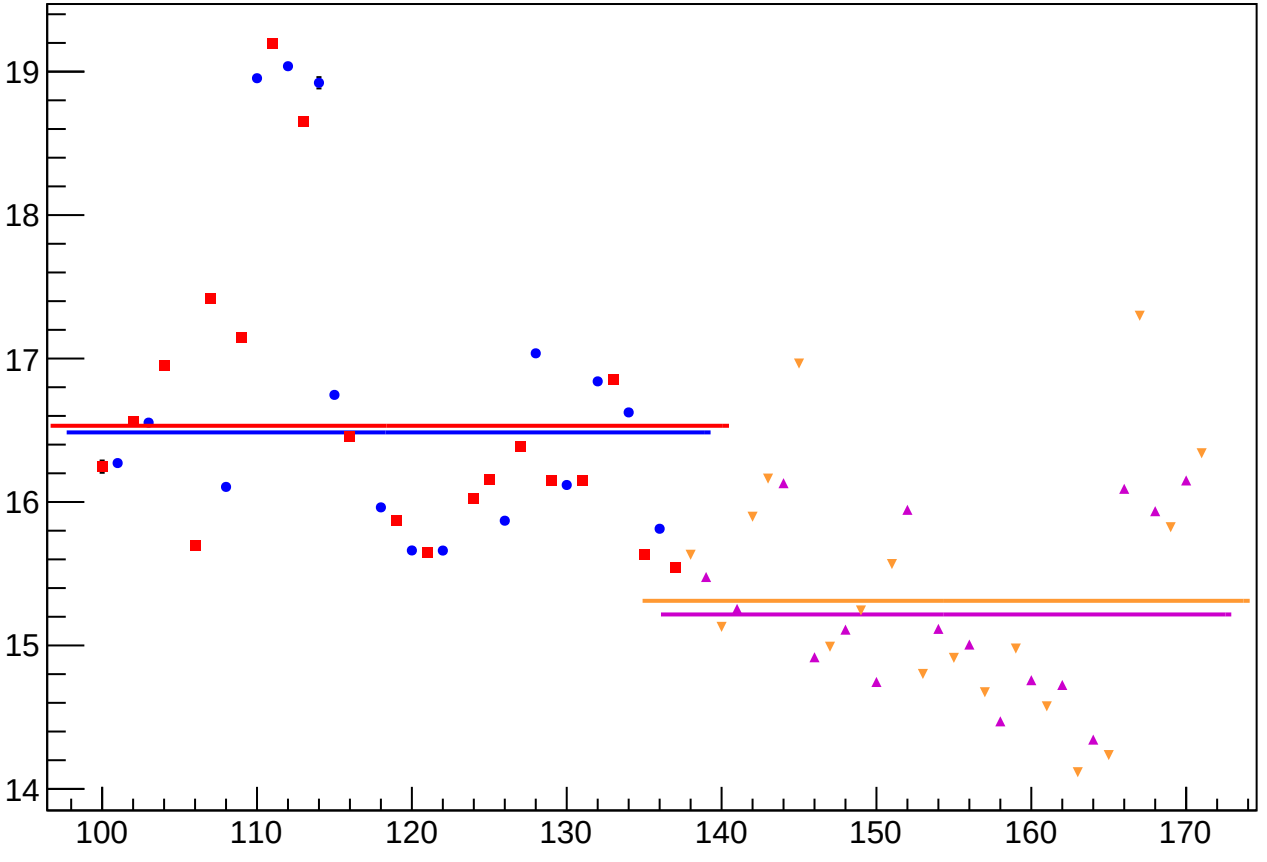
In: 21.652+/-0.003 χ^2/NDF:30125.4/31

Out: 21.696+/-0.003 χ^2/NDF:27449.5/36

All: 21.674+/-0.002 χ^2/NDF: 57661.7/68


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 4.404+/-6.137 χ²/NDF: 4.3/15
Left Out: -2.860+/-4.065 χ²/NDF:7.8/17
Right Out: 2.244+/-6.042 χ²/NDF: 15.4/18
Left In: -3.594+/-4.194 χ²/NDF:18.6/15
Left: -3.215+/-2.919 χ²/NDF: 26.5/33
Right: 3.307+/-4.306 χ²/NDF: 19.7/34
In: -1.048+/-3.463 χ²/NDF:24.1/31
Out: -1.270+/-3.373 χ²/NDF:23.7/36
All: -1.162+/-2.416 χ²/NDF: 47.8/68

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: 15.216+/-0.003 χ^2/NDF:37746.6/15

Left: 15.265+/-0.002 χ^2/NDF: 121342.4/33

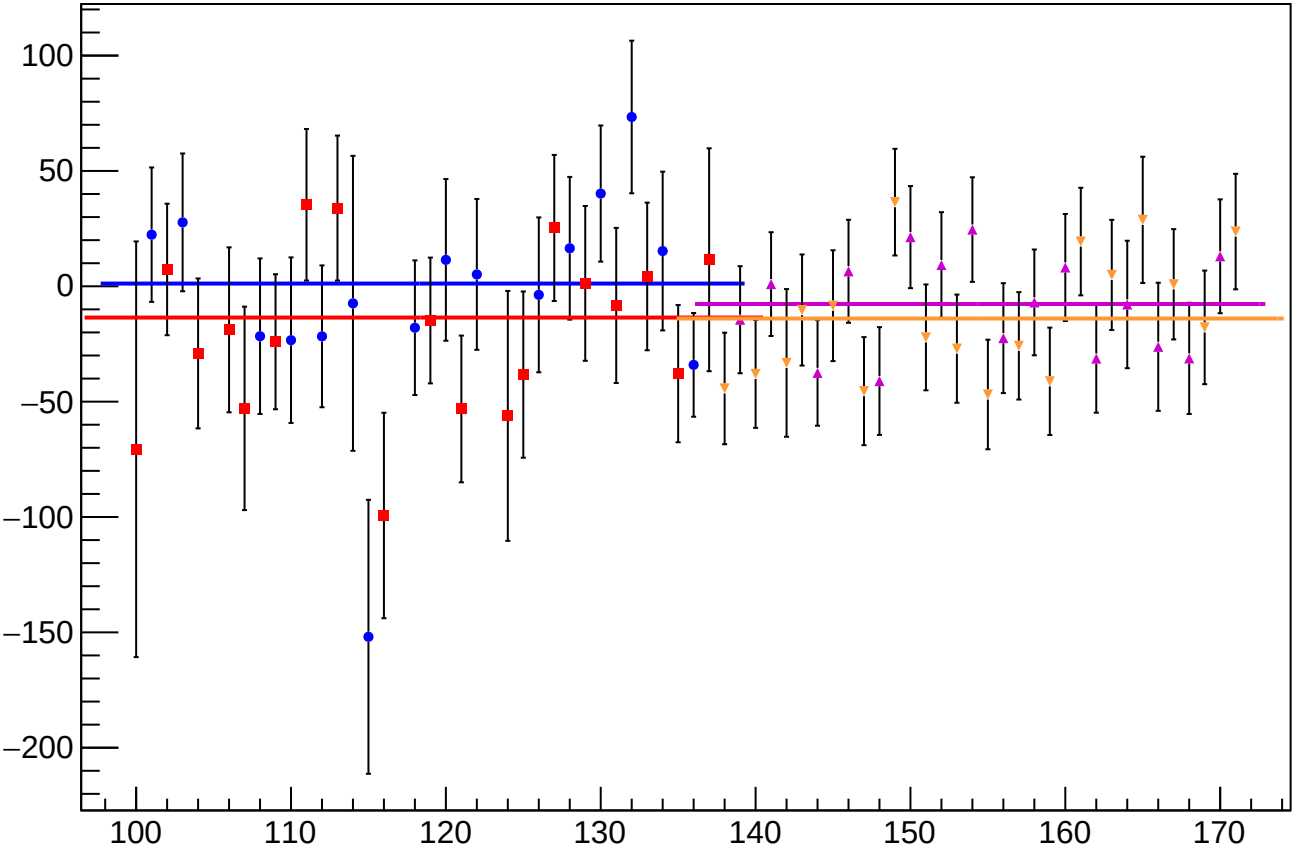
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.620+/-0.002 χ^2/NDF:143223.3/31

Out: 15.691+/-0.002 χ^2/NDF:185680.5/36

All: 15.657+/-0.002 χ^2/NDF: 329338.7/68

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -13.969+/-5.700 χ^2/NDF:21.4/17

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -7.681+/-5.894 χ^2/NDF:12.6/15

Left: -10.930+/-4.098 χ^2/NDF: 34.6/33

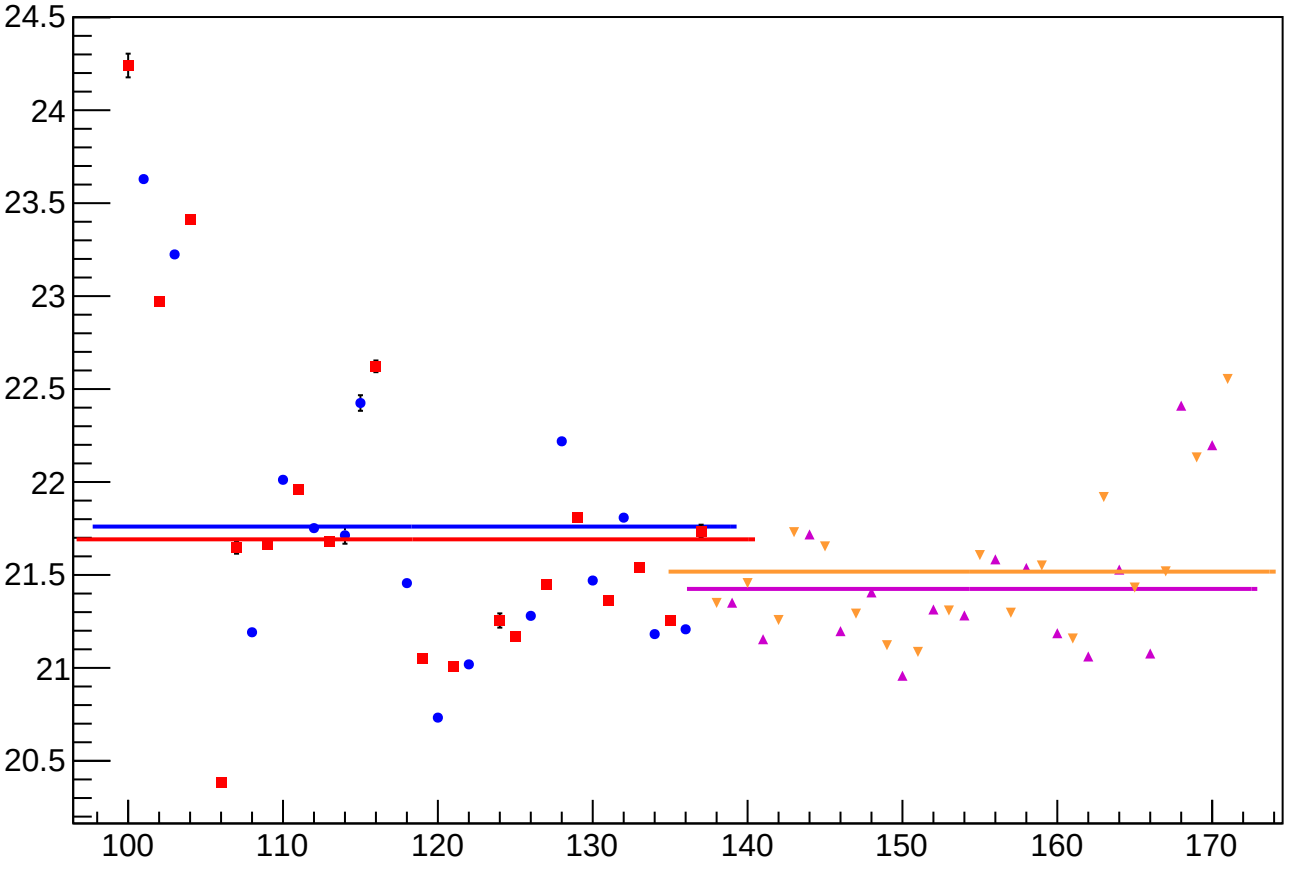
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -4.606+/-4.763 χ^2/NDF:32.8/31

Out: -13.826+/-4.626 χ^2/NDF:37.3/36

All: -9.351+/-3.318 χ^2/NDF: 72.1/68

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: 21.425+/-0.004 χ^2/NDF:8339.1/15

Left: 21.473+/-0.003 χ^2/NDF: 16646.3/33

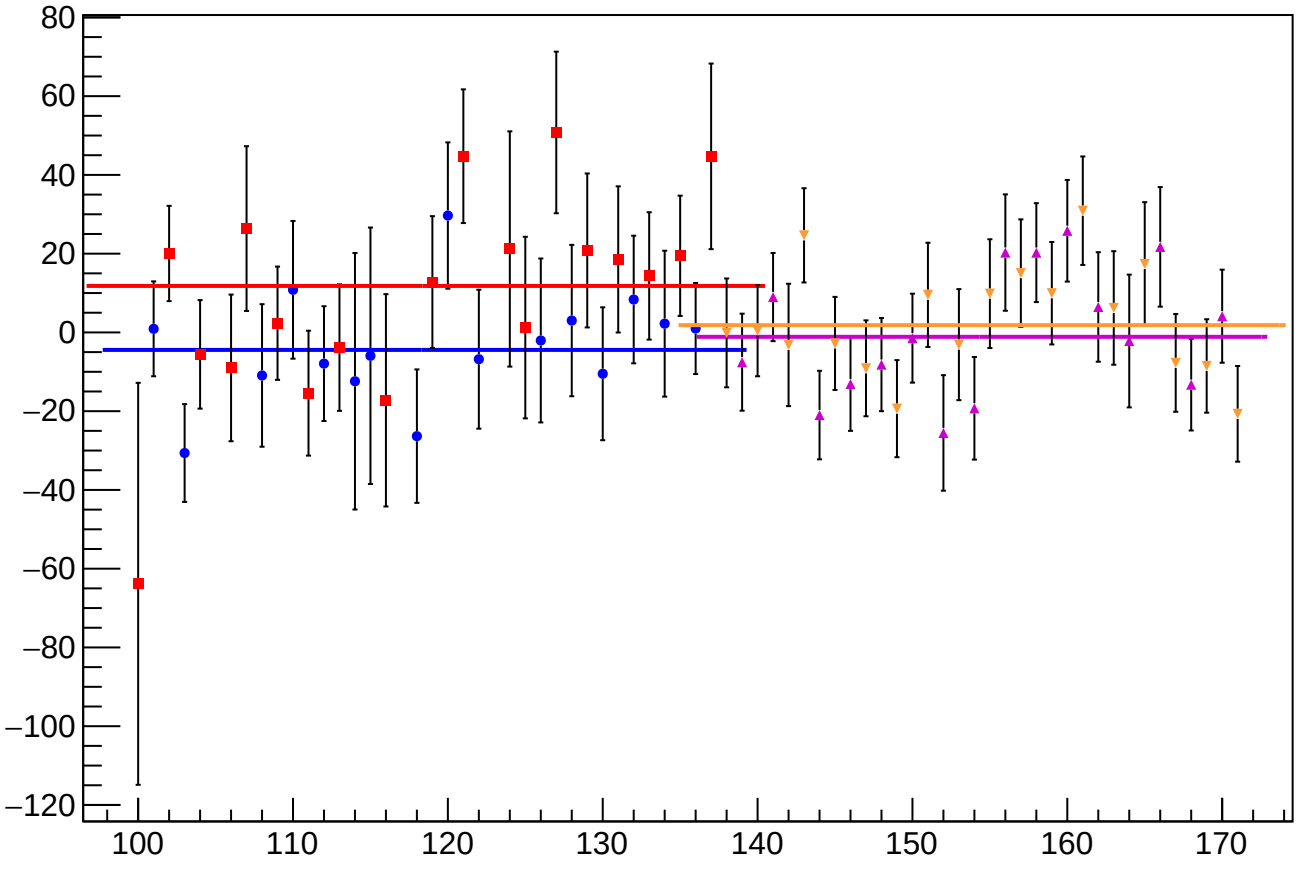
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.541+/-0.003 χ^2/NDF:30331.0/31

Out: 21.577+/-0.003 χ^2/NDF:27014.7/36

All: 21.560+/-0.002 χ^2/NDF: 57404.5/68

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: -1.116+/-3.169 χ^2/NDF:23.5/15

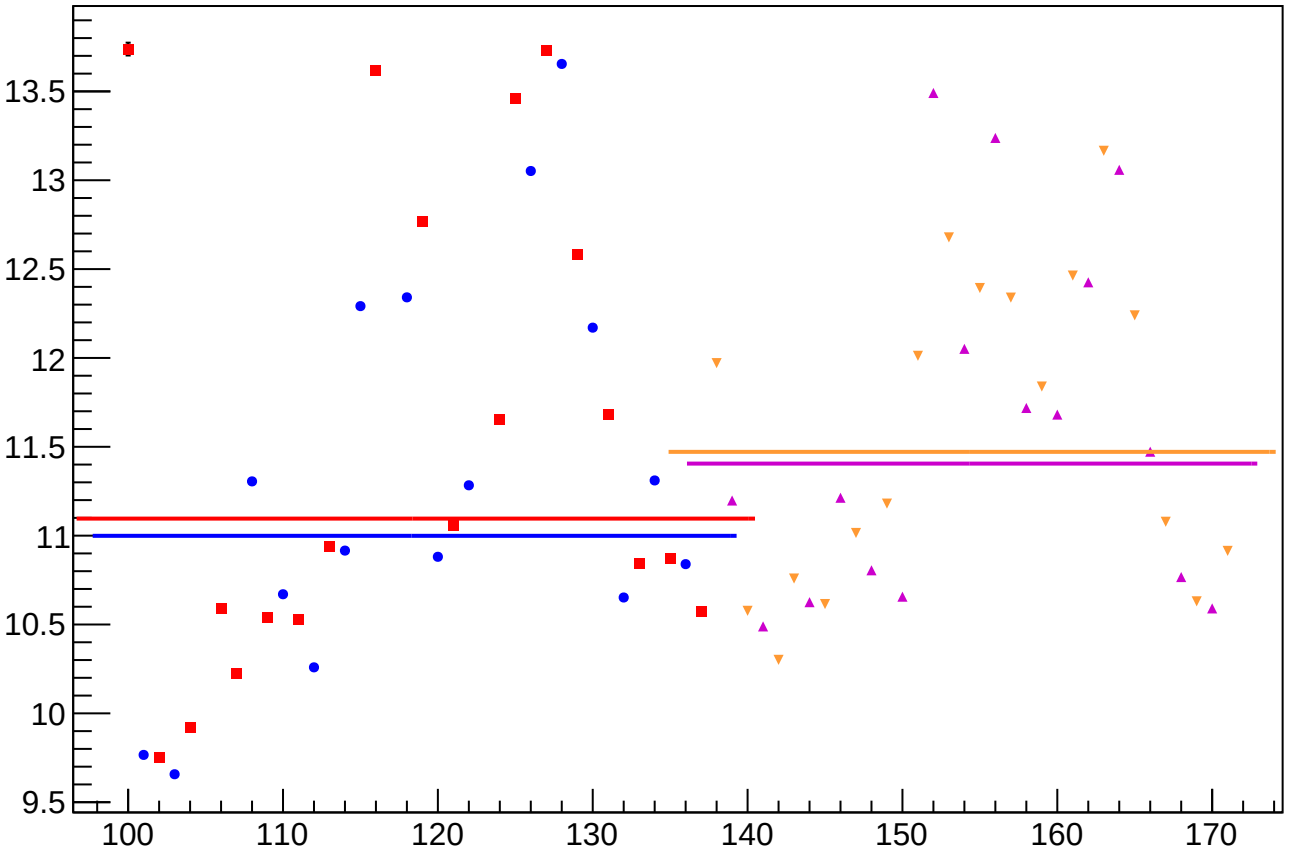
Left: 0.411+/-2.205 χ^2/NDF: 44.1/33

Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -2.347+/-2.514 χ^2/NDF:35.9/31

Out: 5.427+/-2.457 χ^2/NDF:45.7/36

All: 1.629+/-1.757 χ^2/NDF: 86.4/68



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:161913.1/15

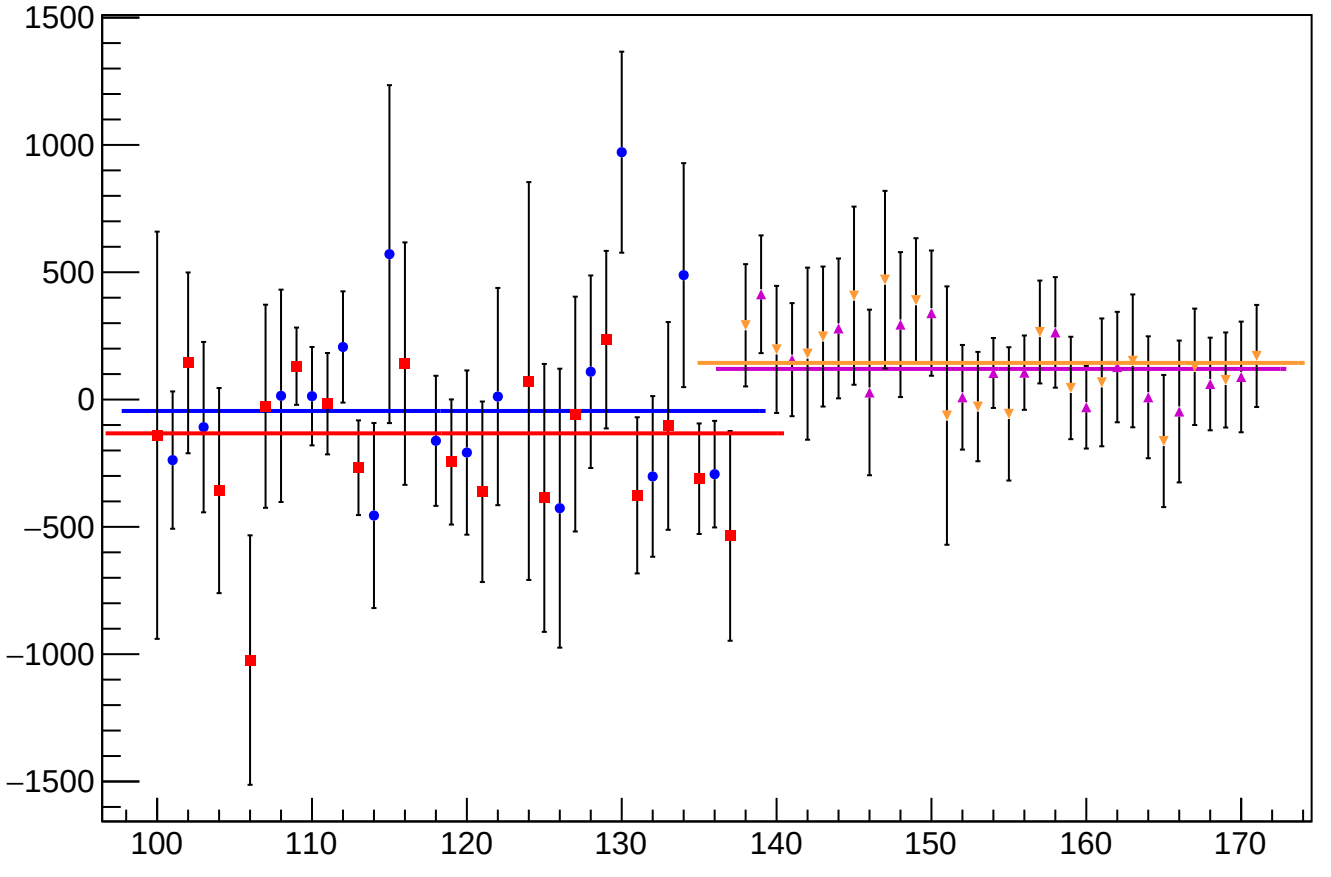
Left: 11.440+/-0.002 χ^2/NDF: 305432.8/33

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

In: 11.255+/-0.002 χ^2/NDF:310261.3/31

Out: 11.336+/-0.002 χ^2/NDF:316742.5/36

All: 11.297+/-0.001 χ^2/NDF: 628080.9/68



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: 120.309+/-51.552 χ^2/NDF:5.5/15

Left: 130.707+/-38.564 χ^2/NDF: 12.3/33

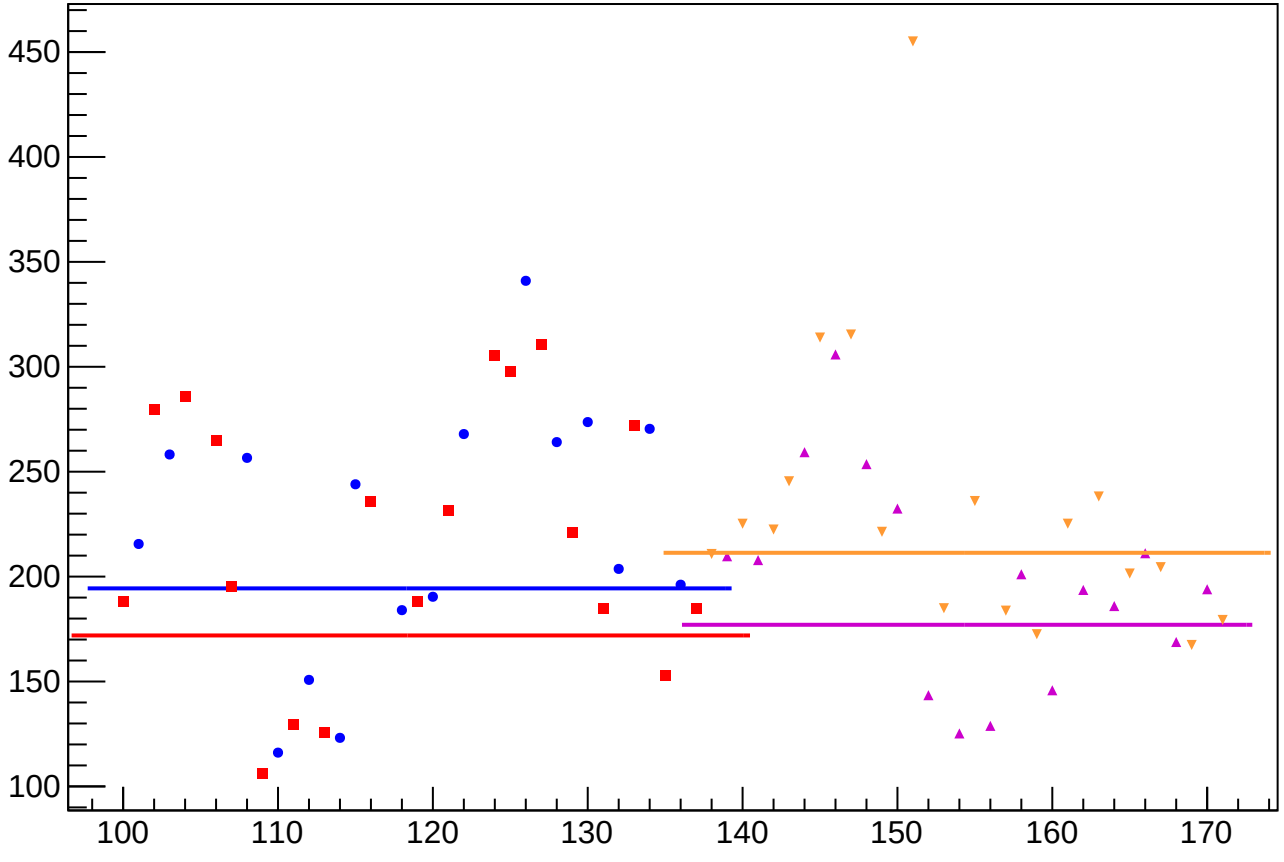
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.676+/-42.738 χ^2/NDF:24.2/31

Out: 27.693+/-44.250 χ^2/NDF:29.1/36

All: 48.897+/-30.741 χ^2/NDF: 53.7/68

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: 177.033+/-0.036 χ^2/NDF:1532637.7/15

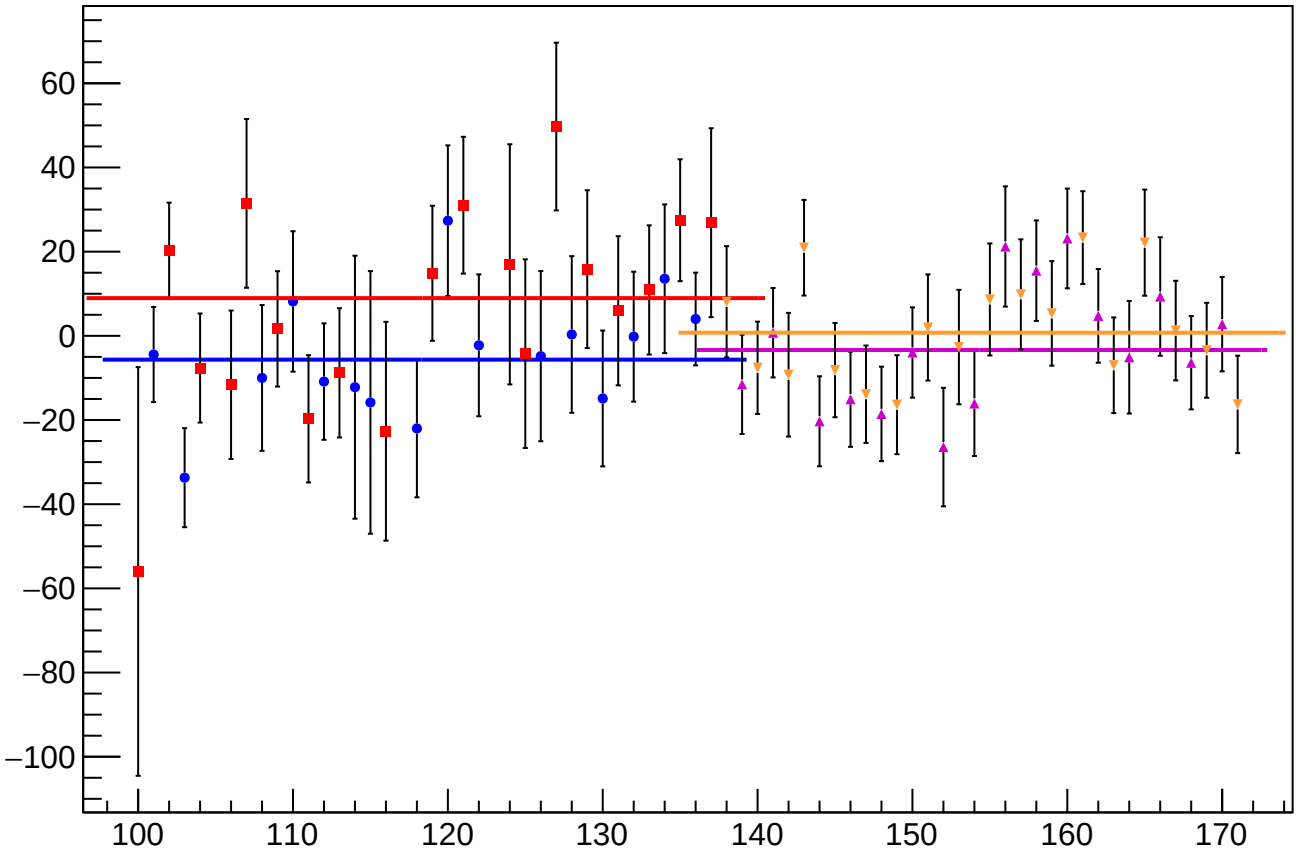
Left: 192.146+/-0.027 χ^2/NDF: 3130443.1/33

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.459+/-0.030 χ^2/NDF:2645523.8/31

Out: 194.795+/-0.031 χ^2/NDF:3245140.3/36

All: 188.413+/-0.022 χ^2/NDF: 5971080.6/68



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: -3.366+/-2.955 χ^2/NDF:22.0/15

Left: -1.232+/-2.050 χ^2/NDF: 42.7/33

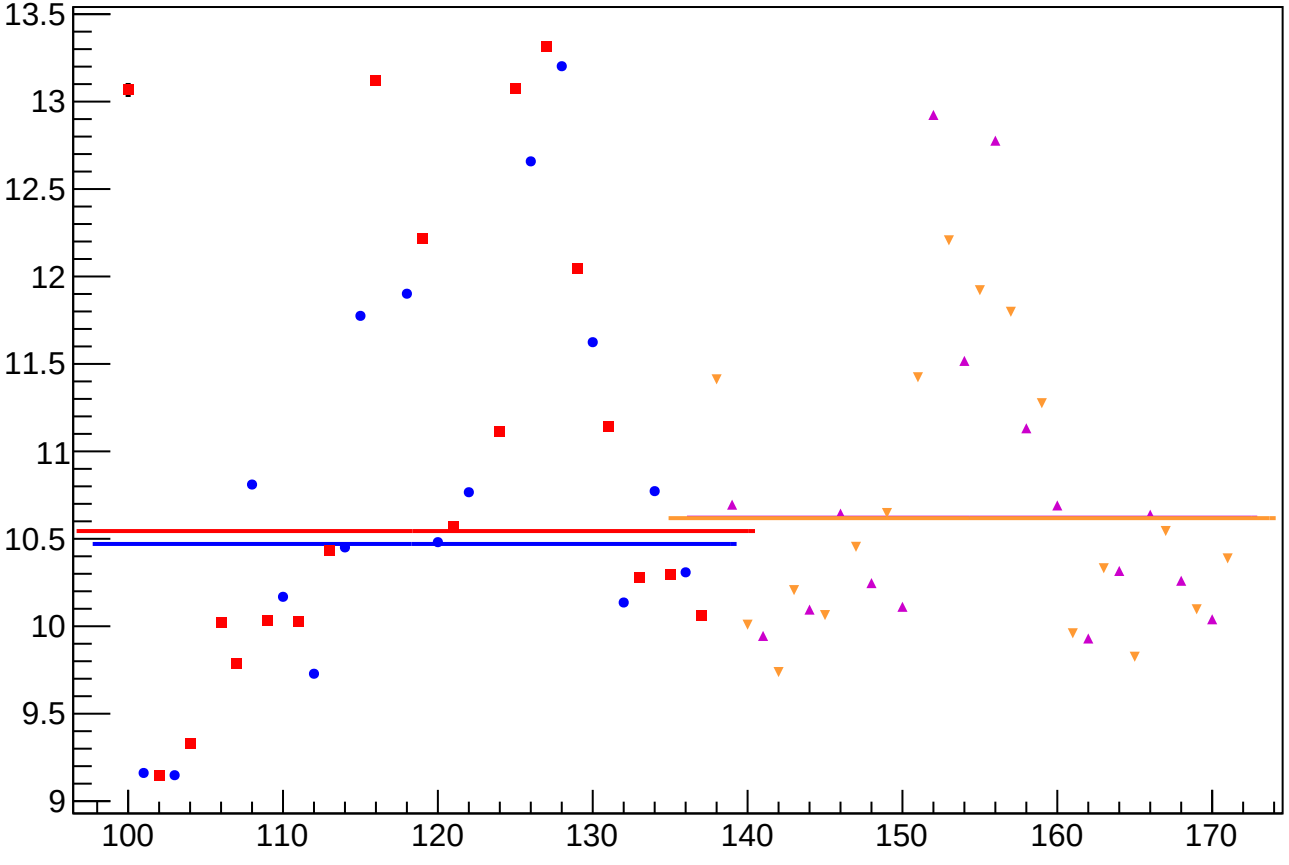
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -4.191+/-2.364 χ^2/NDF:35.8/31

Out: 3.600+/-2.299 χ^2/NDF:45.4/36

All: -0.188+/-1.648 χ^2/NDF: 86.8/68

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: 10.621+/-0.002 χ^2/NDF:149098.4/15

Left: 10.620+/-0.001 χ^2/NDF: 275527.1/33

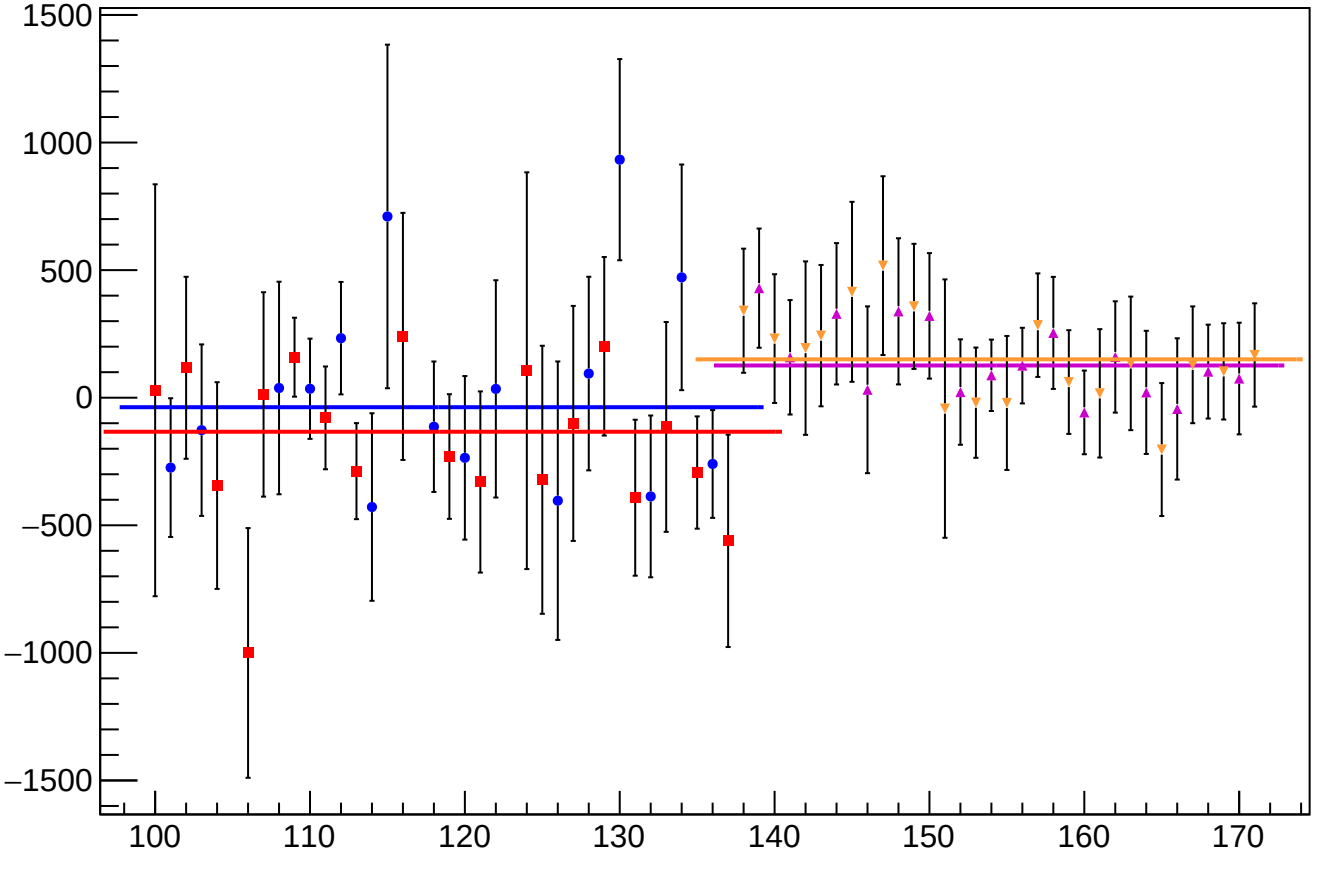
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.567+/-0.002 χ^2/NDF:308329.5/31

Out: 10.593+/-0.002 χ^2/NDF:313675.5/36

All: 10.580+/-0.001 χ^2/NDF: 622126.5/68

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 150.454+/-58.505 χ^2/NDF:7.2/17

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 126.331+/-52.059 χ^2/NDF:6.1/15

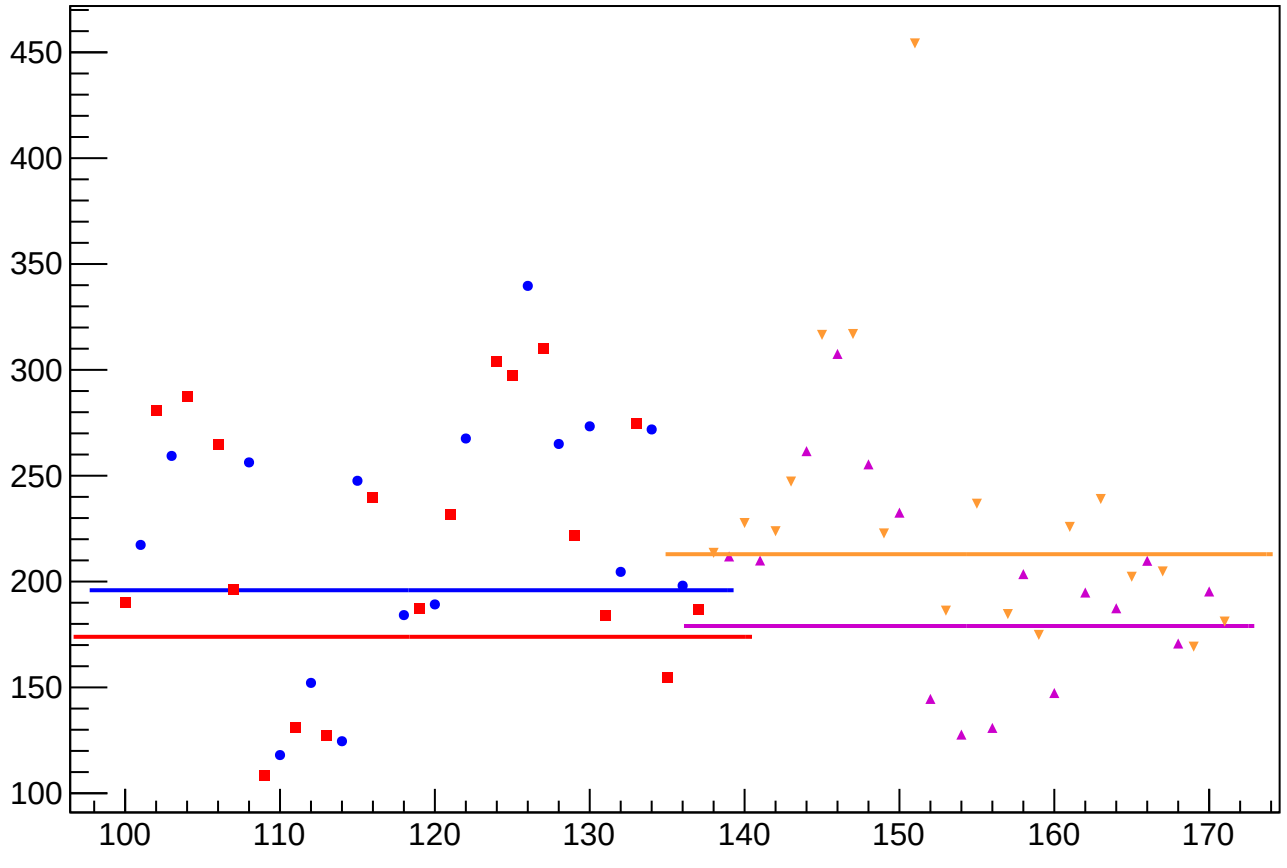
Left: 136.991+/-38.891 χ^2/NDF: 13.4/33

Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 74.940+/-43.112 χ^2/NDF:24.8/31

Out: 31.510+/-44.593 χ^2/NDF:30.0/36

All: 53.958+/-30.995 χ^2/NDF: 55.3/68



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: 179.008+/-0.037 χ^2/NDF:1489488.7/15

Left: 193.995+/-0.028 χ^2/NDF: 3054287.6/33

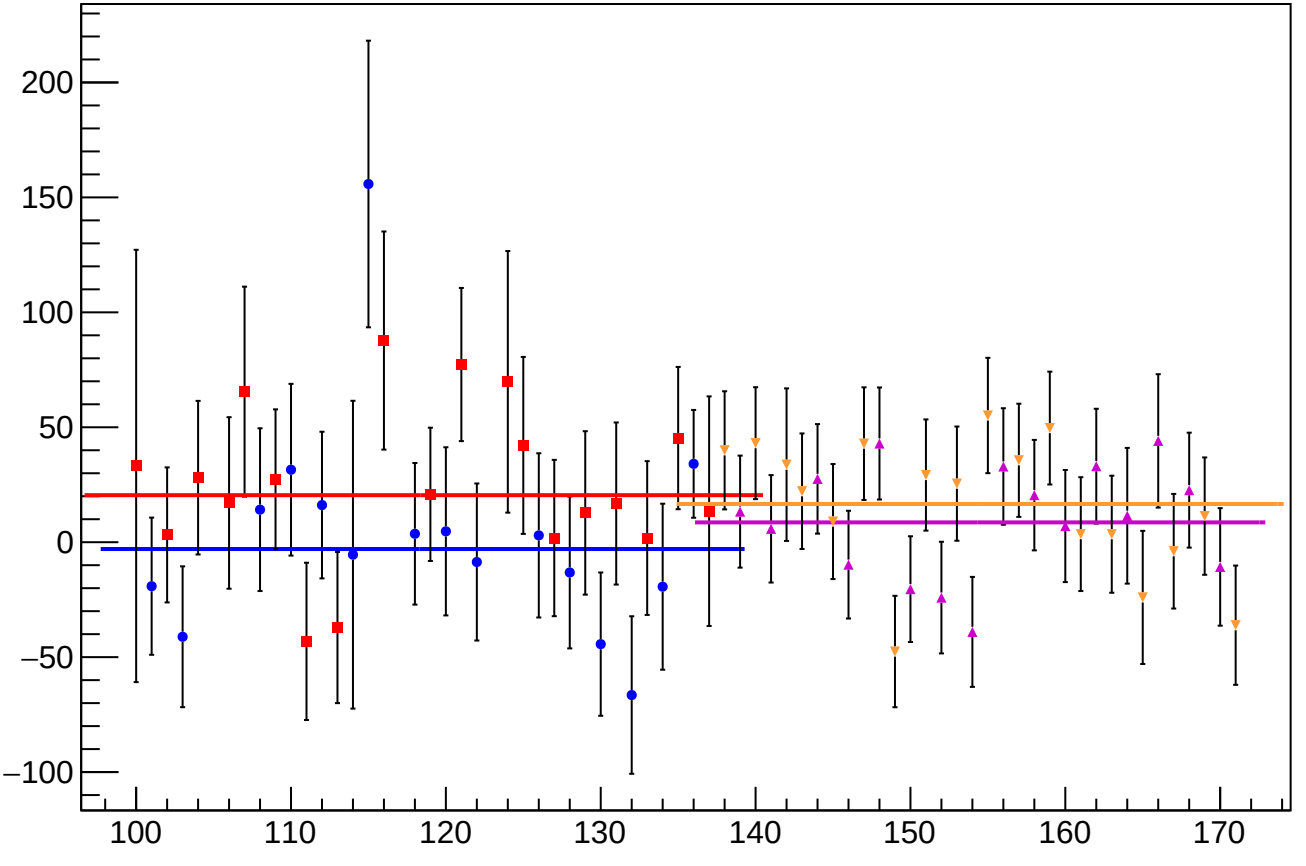
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 184.315+/-0.030 χ^2/NDF:2566658.8/31

Out: 196.571+/-0.032 χ^2/NDF:3162139.8/36

All: 190.236+/-0.022 χ^2/NDF: 5806891.0/68

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: 8.621+/-6.183 χ^2/NDF:15.2/15

Left: 12.755+/-4.302 χ^2/NDF: 39.1/33

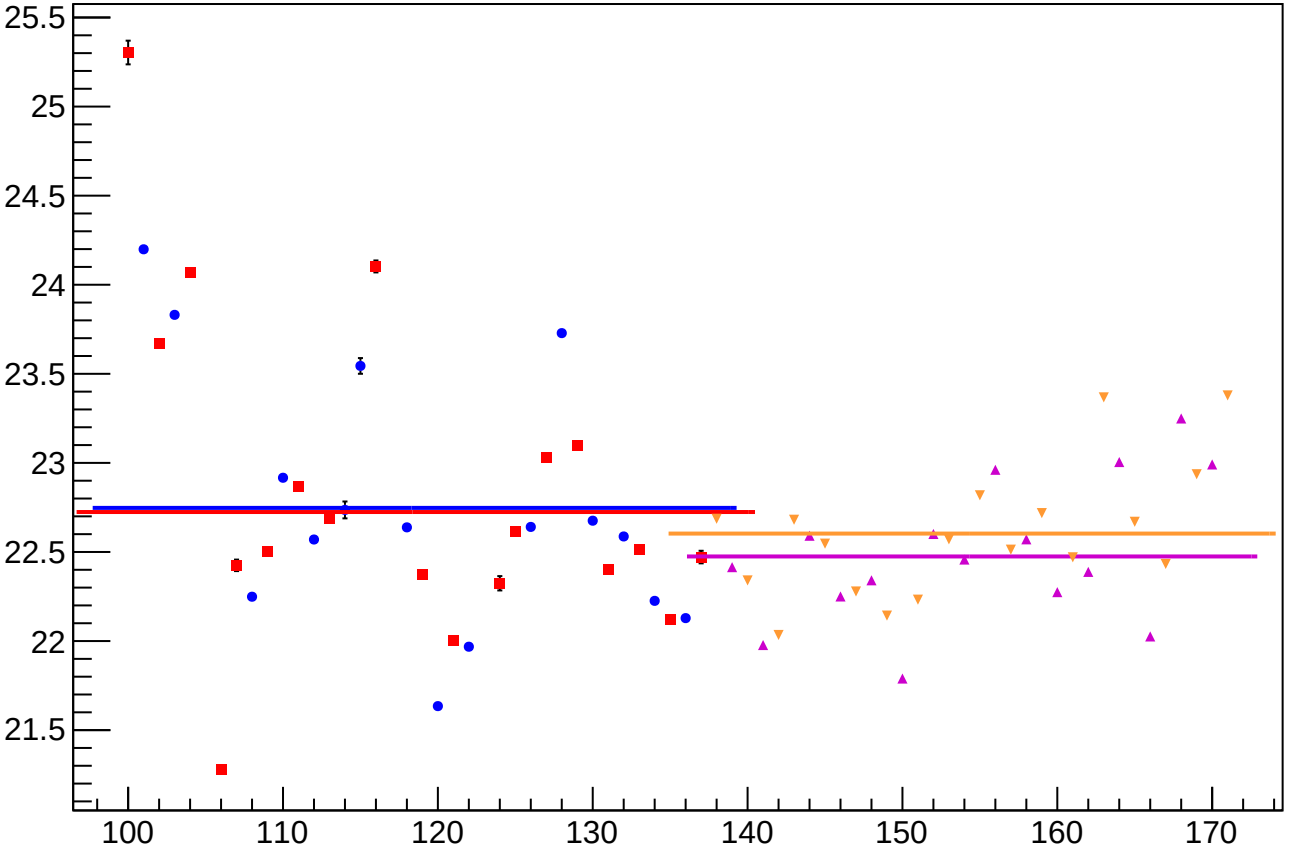
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.582+/-4.991 χ^2/NDF:34.3/31

Out: 17.944+/-4.855 χ^2/NDF:38.5/36

All: 11.447+/-3.480 χ^2/NDF: 76.5/68

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: 22.475+/-0.004 χ^2/NDF:7825.2/15

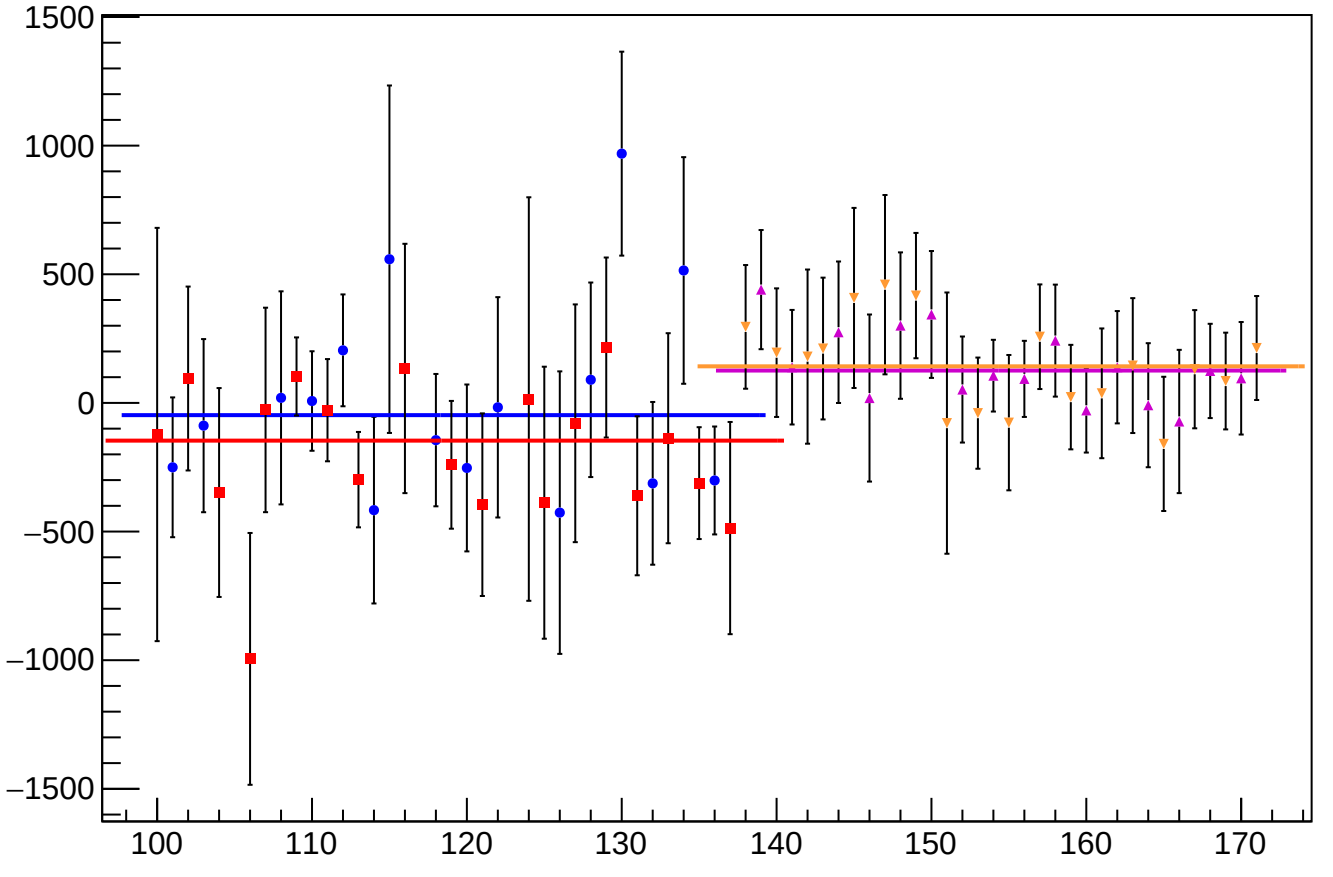
Left: 22.541+/-0.003 χ^2/NDF: 14999.8/33

Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.570+/-0.004 χ^2/NDF:23802.9/31

Out: 22.645+/-0.003 χ^2/NDF:21499.9/36

All: 22.608+/-0.002 χ^2/NDF: 45534.1/68



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: 125.821+/-51.911 χ^2/NDF:5.6/15

Left: 133.055+/-38.794 χ^2/NDF: 12.9/33

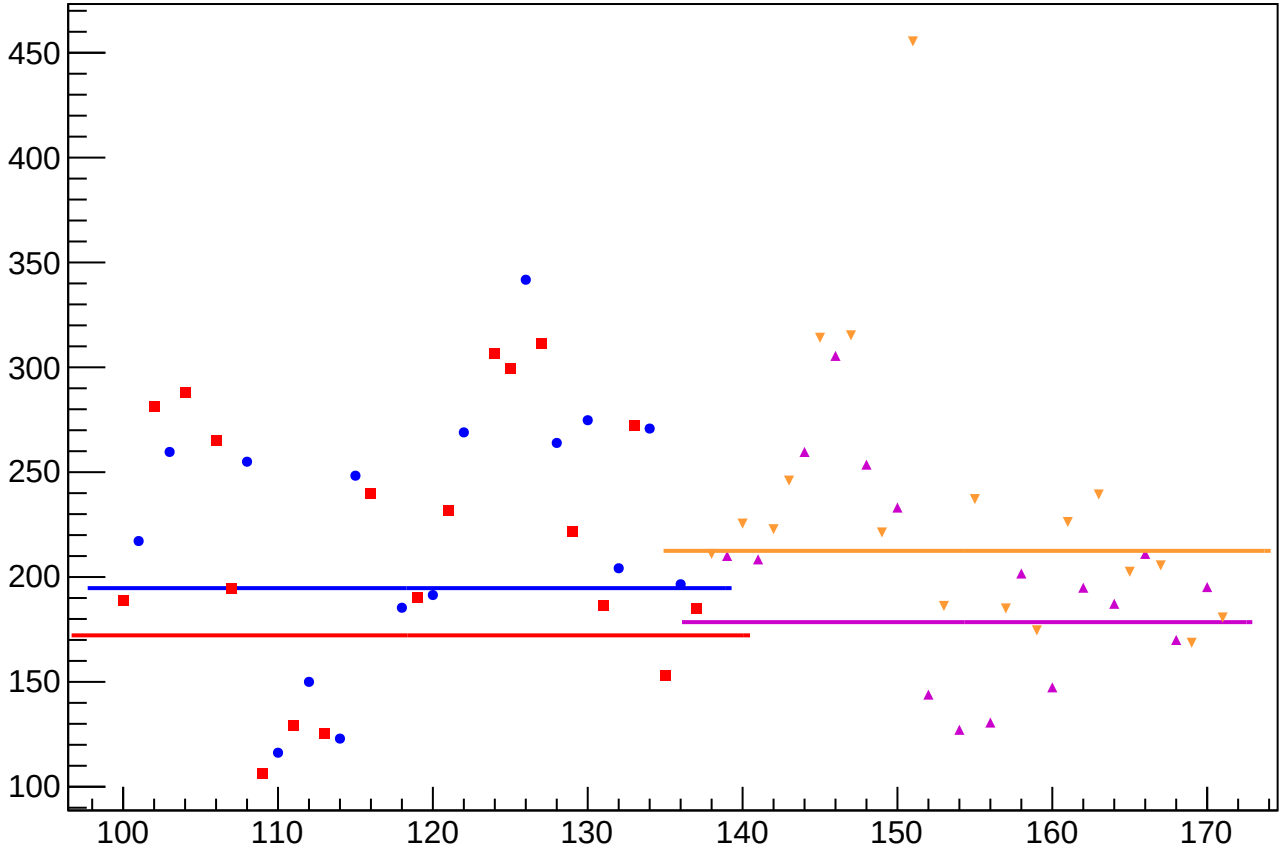
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 71.238+/-42.967 χ^2/NDF:24.5/31

Out: 20.484+/-44.406 χ^2/NDF:29.1/36

All: 46.697+/-30.879 χ^2/NDF: 54.3/68

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: 178.492+/-0.037 χ^2/NDF:1479632.9/15

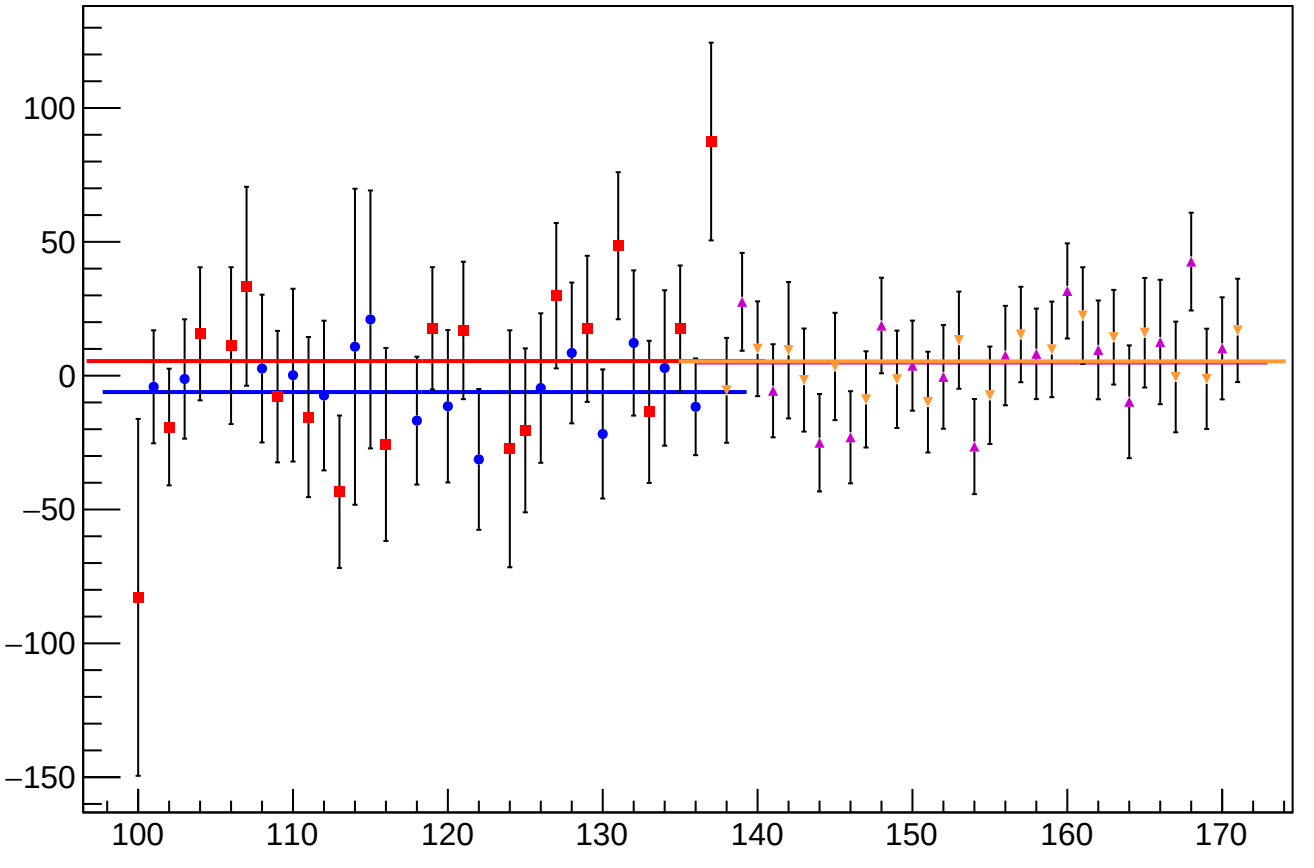
Left: 193.500+/-0.027 χ^2/NDF: 3041178.6/33

Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

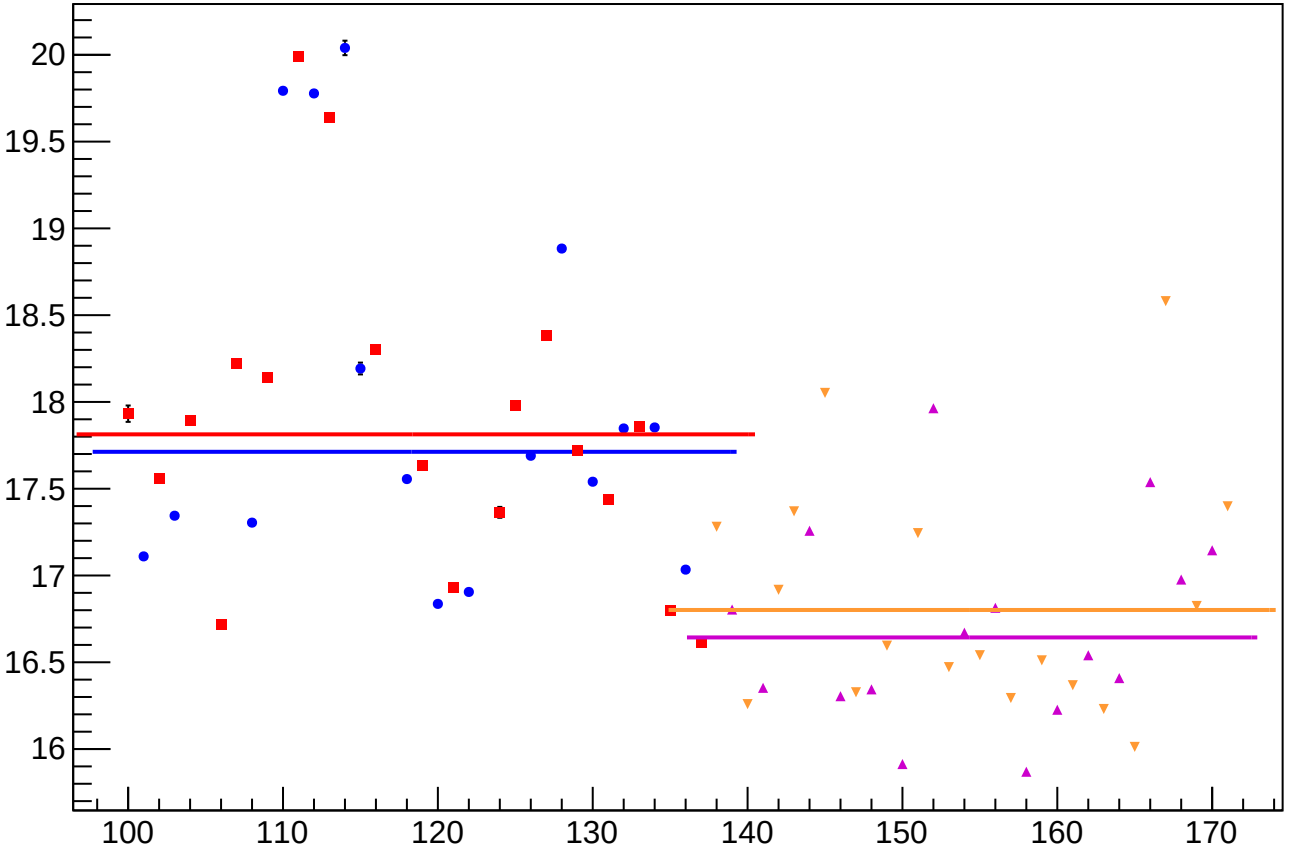
In: 183.598+/-0.030 χ^2/NDF:2593377.2/31

Out: 195.499+/-0.031 χ^2/NDF:3255594.7/36

All: 189.353+/-0.022 χ^2/NDF: 5923163.1/68


asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -6.119+/-6.592 χ²/NDF: 3.1/15
Left Out: 5.341+/-4.458 χ²/NDF:5.0/17
Right Out: 5.470+/-6.509 χ²/NDF: 19.2/18
Left In: 4.915+/-4.587 χ²/NDF:18.4/15
Left: 5.134+/-3.197 χ²/NDF: 23.4/33
Right: -0.251+/-4.632 χ²/NDF: 23.9/34
In: 1.316+/-3.765 χ²/NDF:23.4/31
Out: 5.382+/-3.678 χ²/NDF:24.2/36
All: 3.397+/-2.631 χ²/NDF: 48.2/68

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: 16.643+/-0.003 χ^2/NDF:28175.7/15

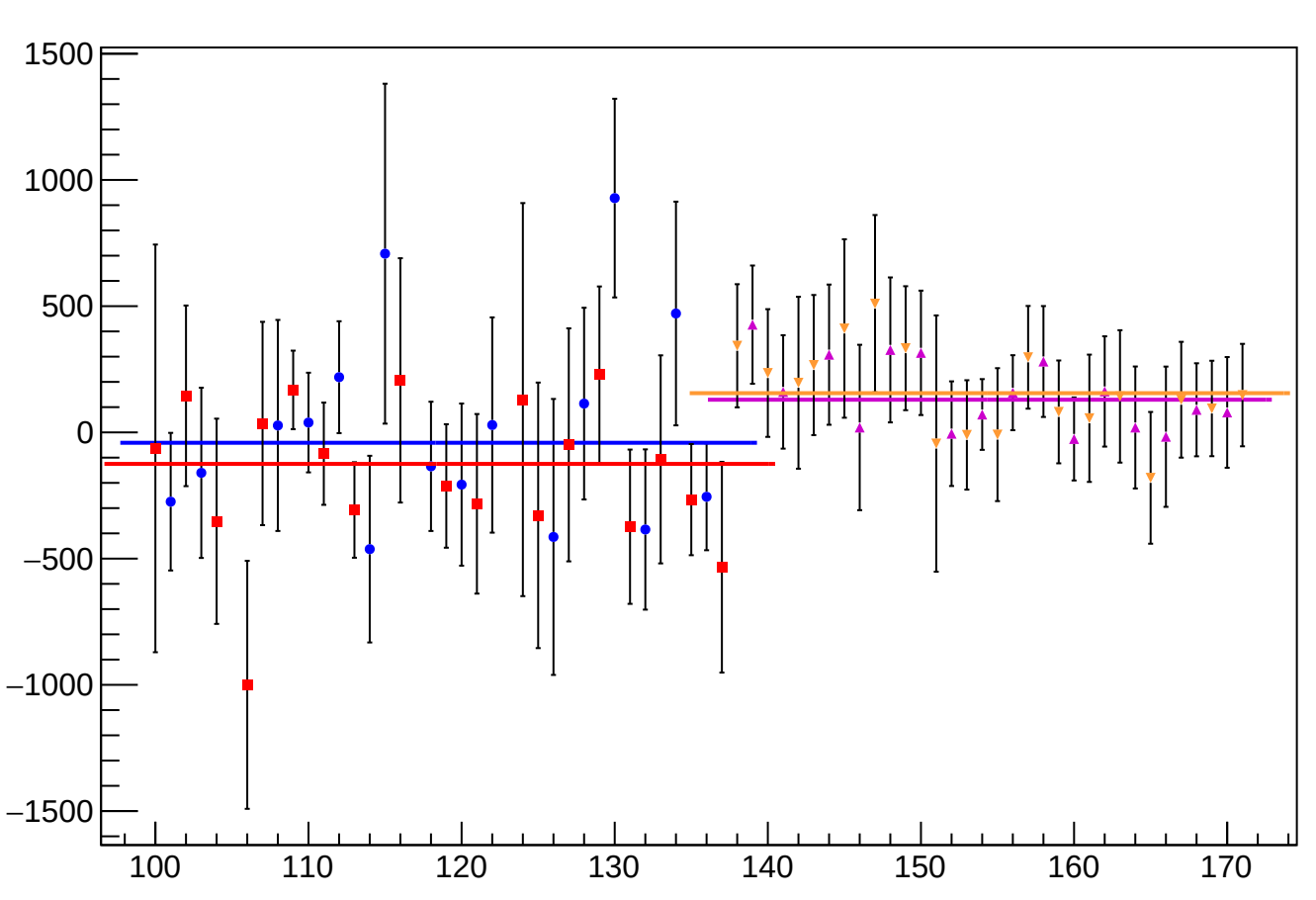
Left: 16.724+/-0.002 χ^2/NDF: 70934.7/33

Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 16.992+/-0.003 χ^2/NDF:99631.2/31

Out: 17.124+/-0.003 χ^2/NDF:107153.2/36

All: 17.060+/-0.002 χ^2/NDF: 208052.0/68



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: 129.418+/-52.161 χ^2/NDF:5.8/15

Left: 140.896+/-38.971 χ^2/NDF: 12.5/33

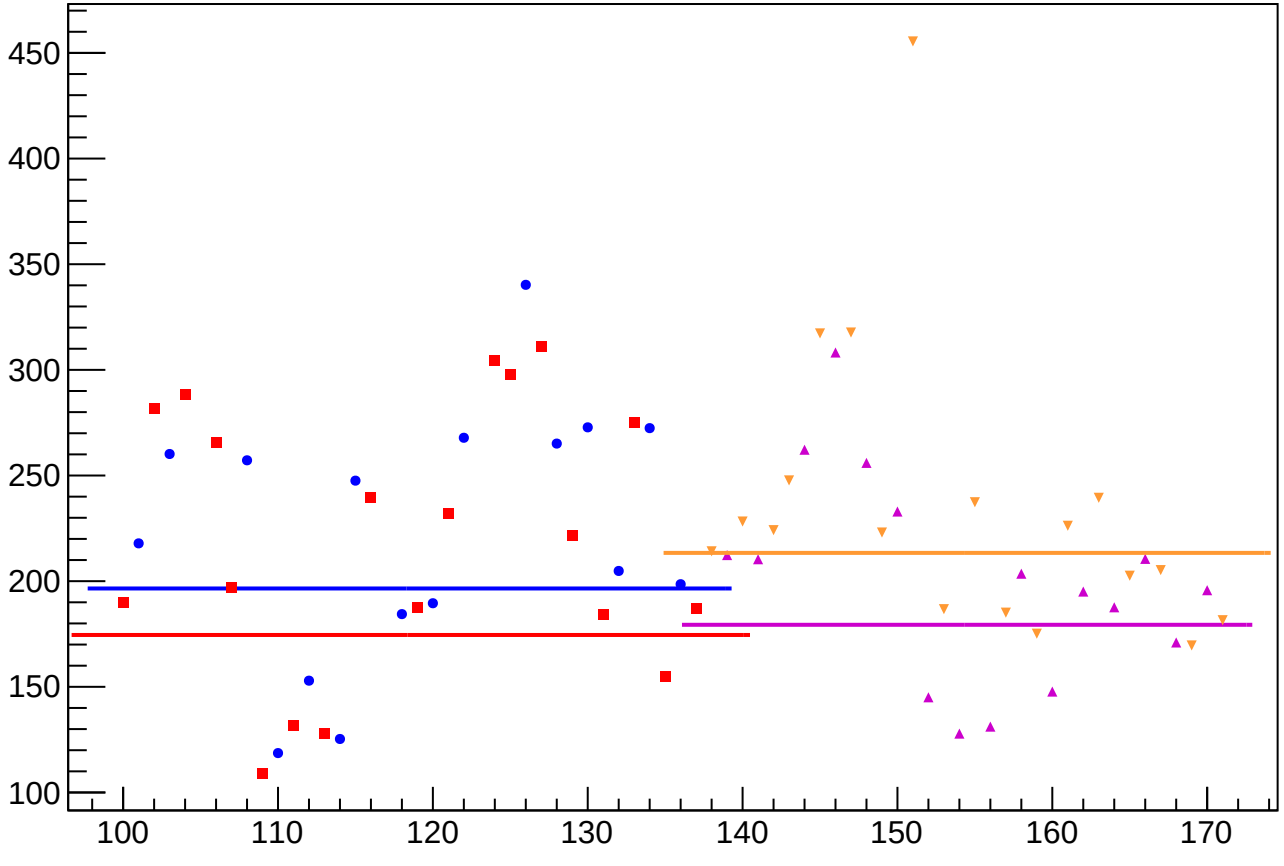
Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 75.911+/-43.209 χ^2/NDF:24.8/31

Out: 38.093+/-44.710 χ^2/NDF:29.1/36

All: 57.647+/-31.071 χ^2/NDF: 54.2/68

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: 179.355+/-0.037 χ^2/NDF:1489524.9/15

Left: 194.390+/-0.028 χ^2/NDF: 3055542.3/33

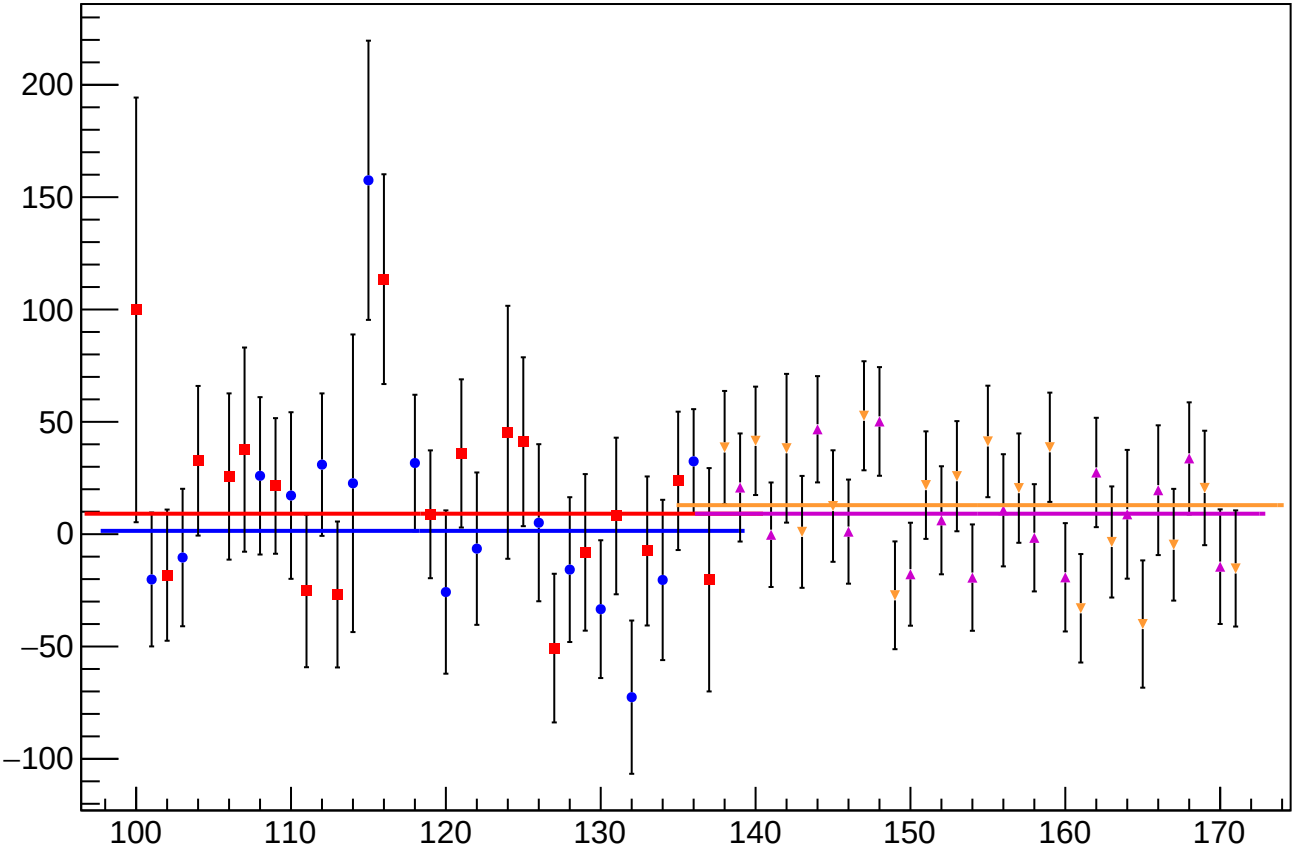
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 184.748+/-0.031 χ^2/NDF:2558426.9/31

Out: 197.128+/-0.032 χ^2/NDF:3146081.5/36

All: 190.727+/-0.022 χ^2/NDF: 5783795.9/68

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: 9.107+/-6.122 χ^2/NDF:12.9/15

Left: 11.077+/-4.255 χ^2/NDF: 34.1/33

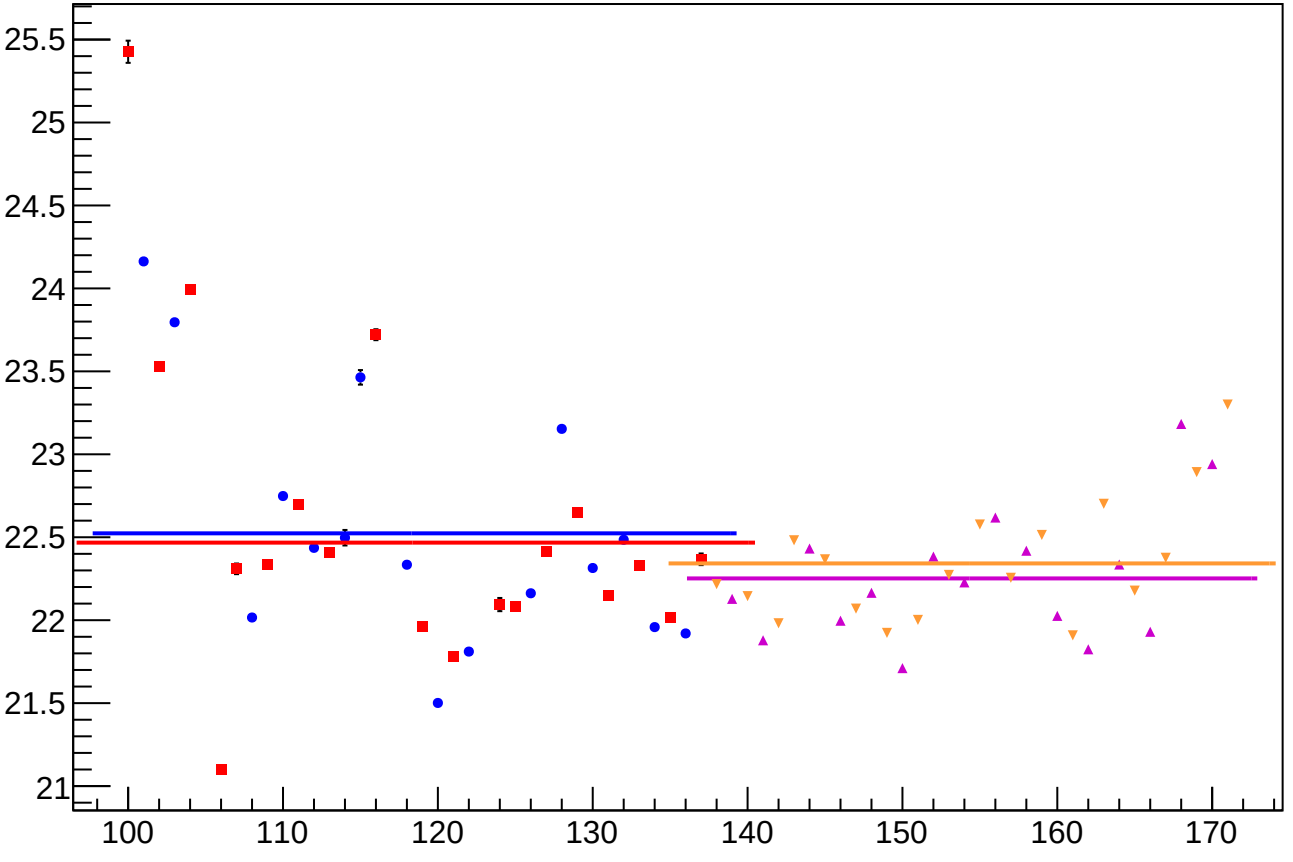
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 6.447+/-4.941 χ^2/NDF:32.1/31

Out: 11.615+/-4.799 χ^2/NDF:37.6/36

All: 9.107+/-3.442 χ^2/NDF: 70.3/68

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: 22.252+/-0.004 χ^2/NDF:7962.5/15

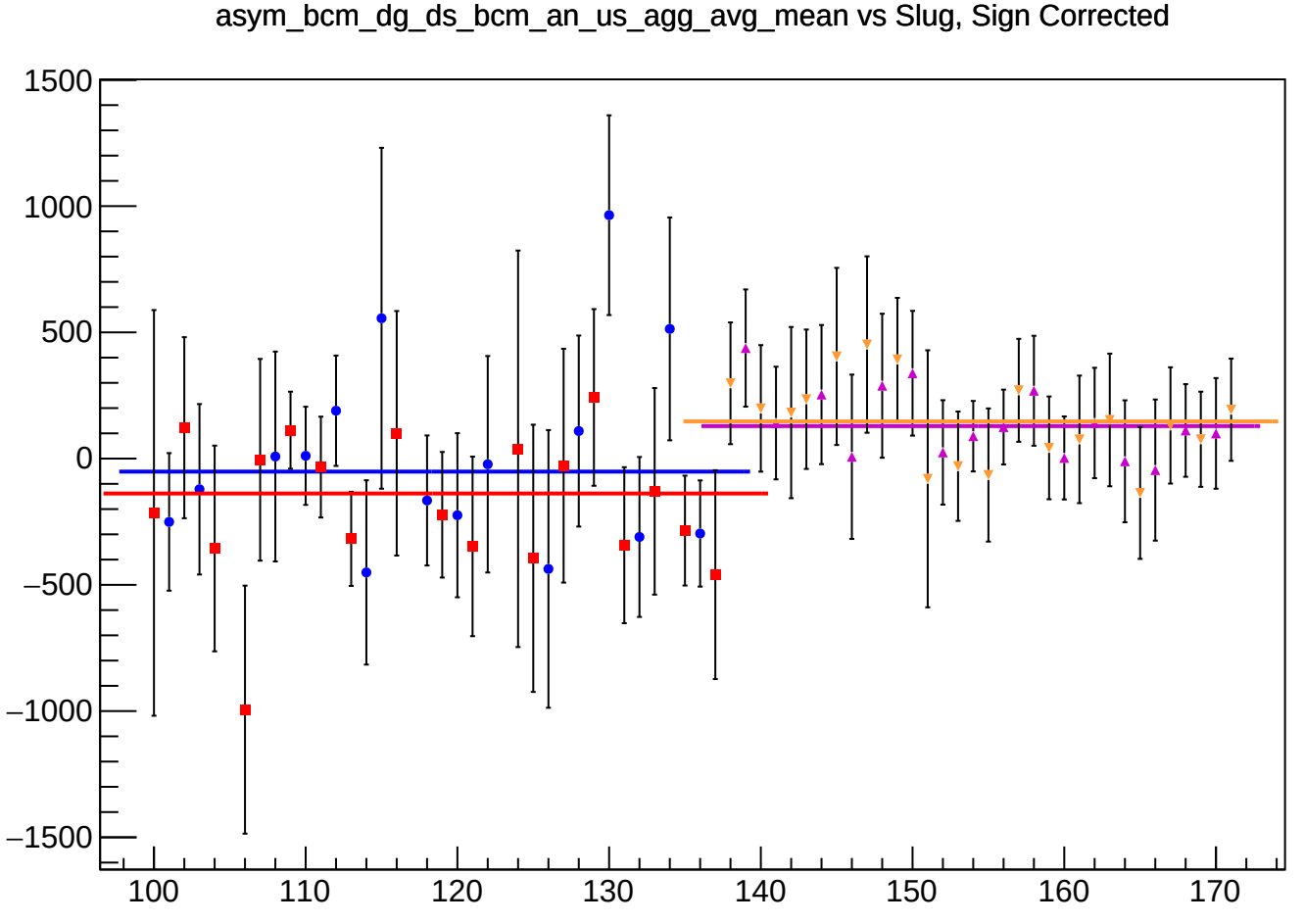
Left: 22.299+/-0.003 χ^2/NDF: 15075.4/33

Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.347+/-0.003 χ^2/NDF:25283.9/31

Out: 22.385+/-0.003 χ^2/NDF:22821.2/36

All: 22.366+/-0.002 χ^2/NDF: 48168.2/68



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: 128.805+/-52.012 χ^2/NDF:5.2/15

Left: 136.933+/-38.874 χ^2/NDF: 11.8/33

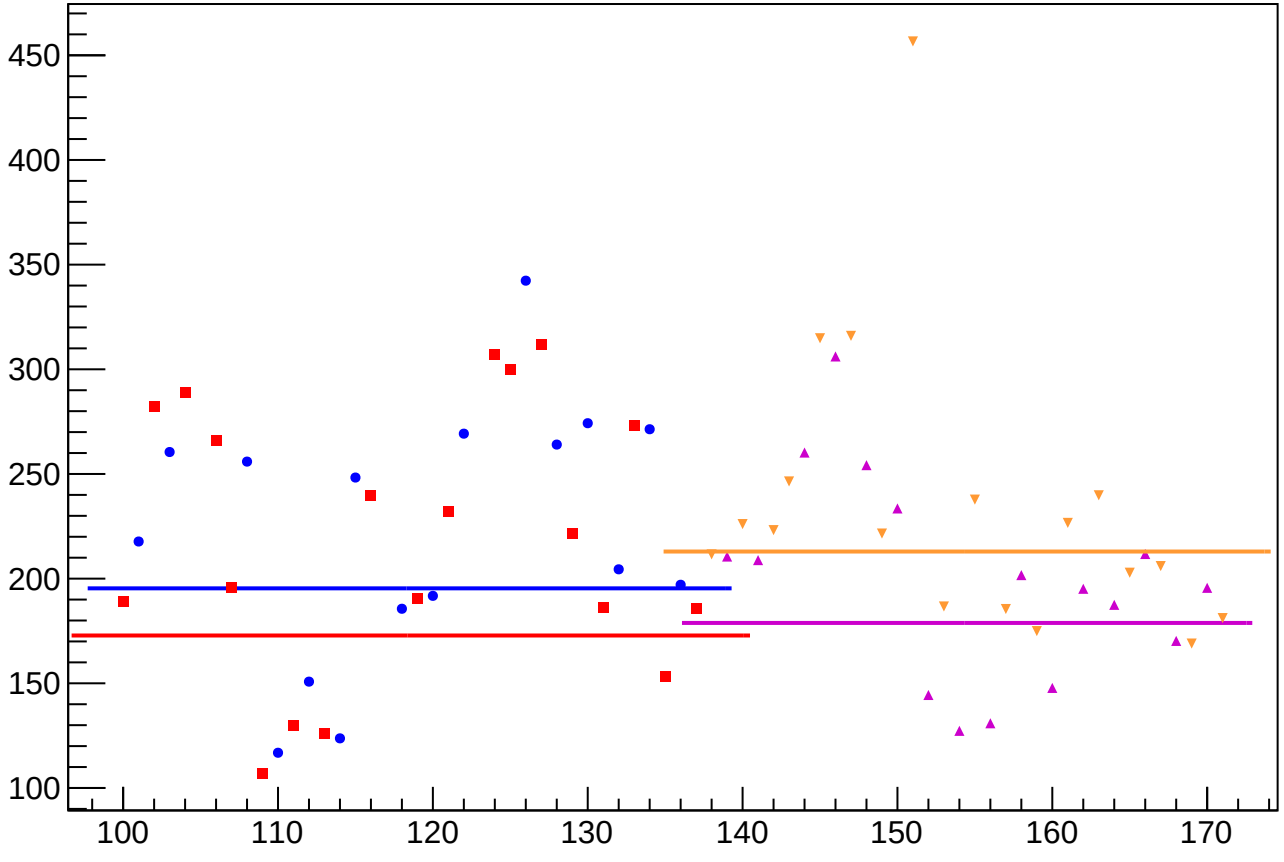
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 72.111+/-43.065 χ^2/NDF:24.4/31

Out: 27.076+/-44.525 χ^2/NDF:28.1/36

All: 50.344+/-30.955 χ^2/NDF: 53.0/68

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: 178.837+/-0.037 χ^2/NDF:1479795.2/15

Left: 193.894+/-0.027 χ^2/NDF: 3042592.4/33

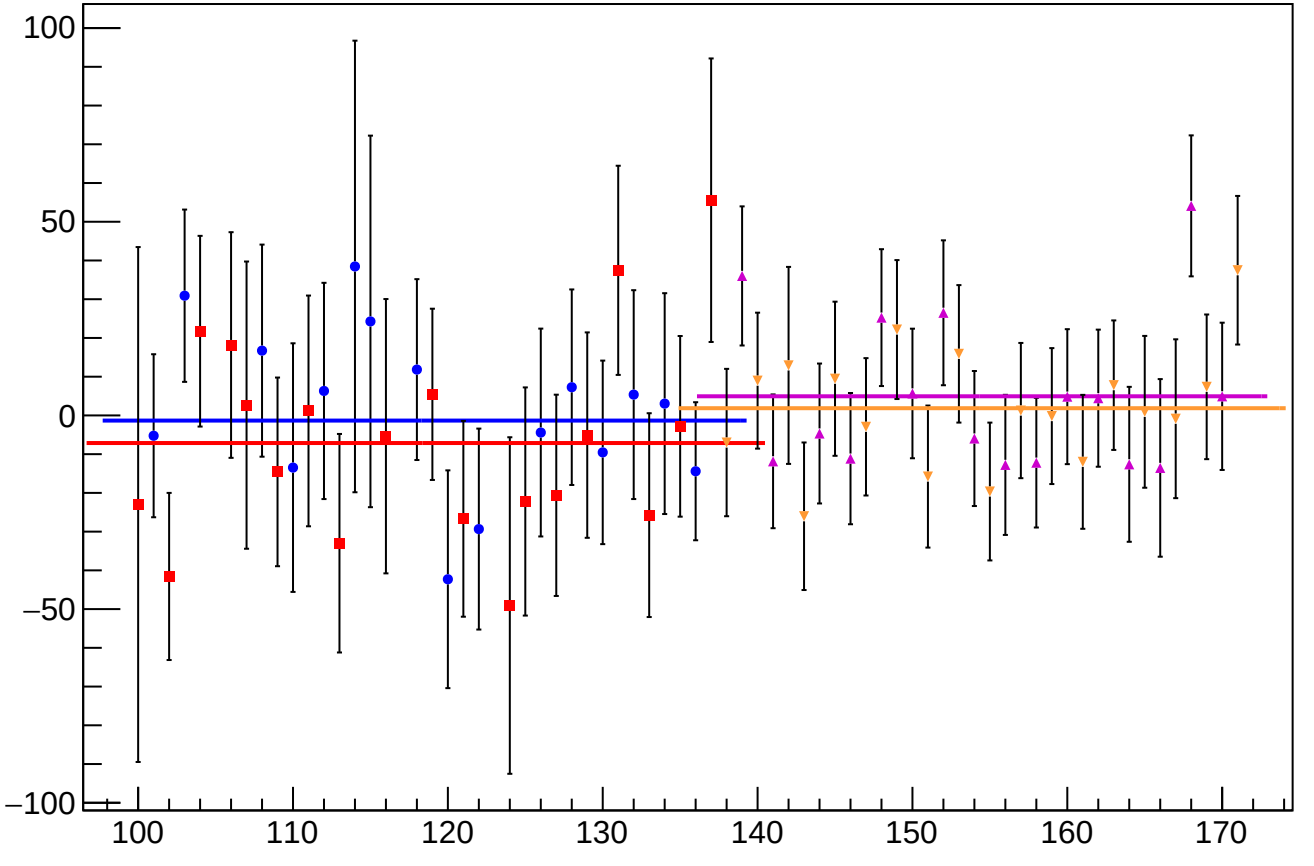
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 184.033+/-0.030 χ^2/NDF:2584700.0/31

Out: 196.063+/-0.031 χ^2/NDF:3238178.9/36

All: 189.848+/-0.022 χ^2/NDF: 5898318.5/68

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: 4.942+/-4.507 χ^2/NDF:18.9/15

Left: 3.354+/-3.136 χ^2/NDF: 30.7/33

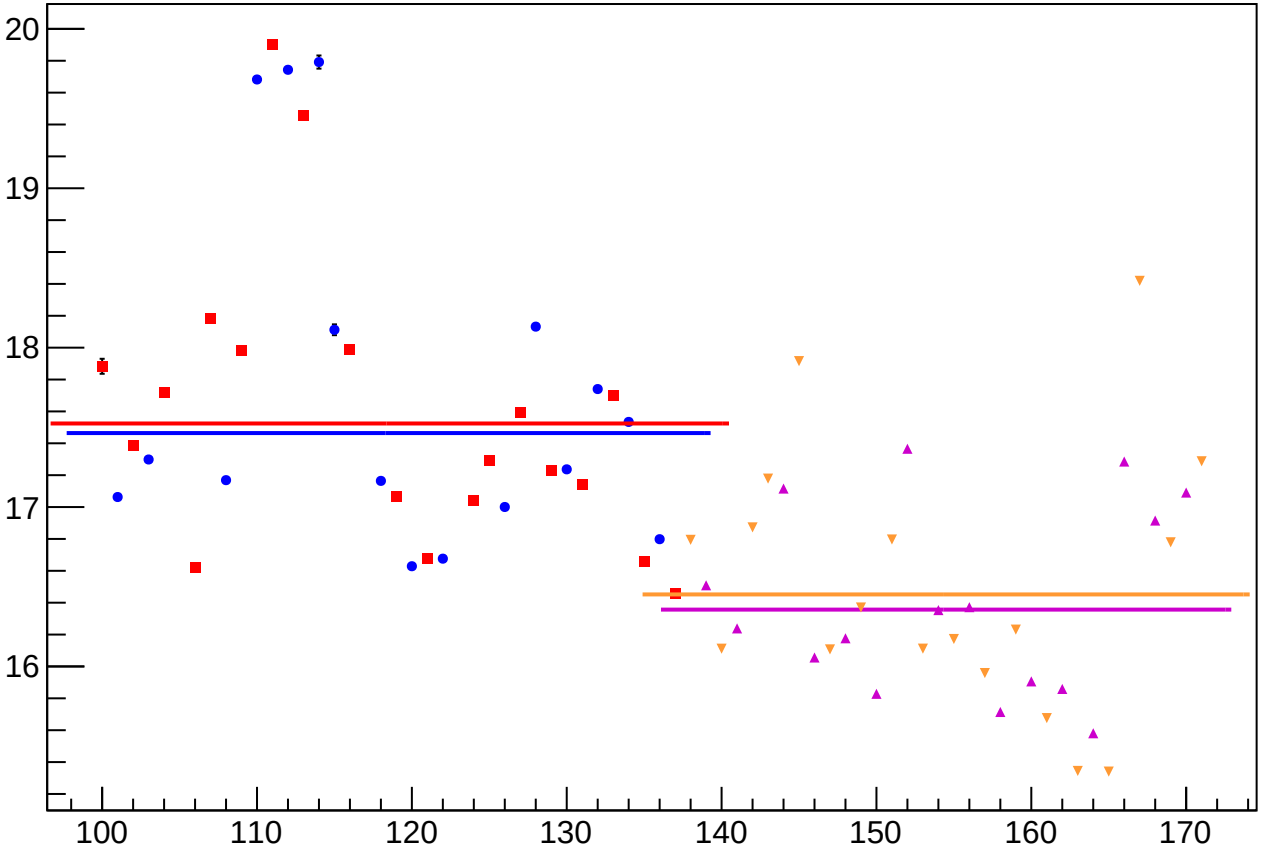
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.905+/-3.703 χ^2/NDF:27.5/31

Out: -0.990+/-3.607 χ^2/NDF:27.3/36

All: 0.906+/-2.584 χ^2/NDF: 55.4/68

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: 16.357+/-0.003 χ^2/NDF:29451.3/15

Left: 16.406+/-0.002 χ^2/NDF: 92296.6/33

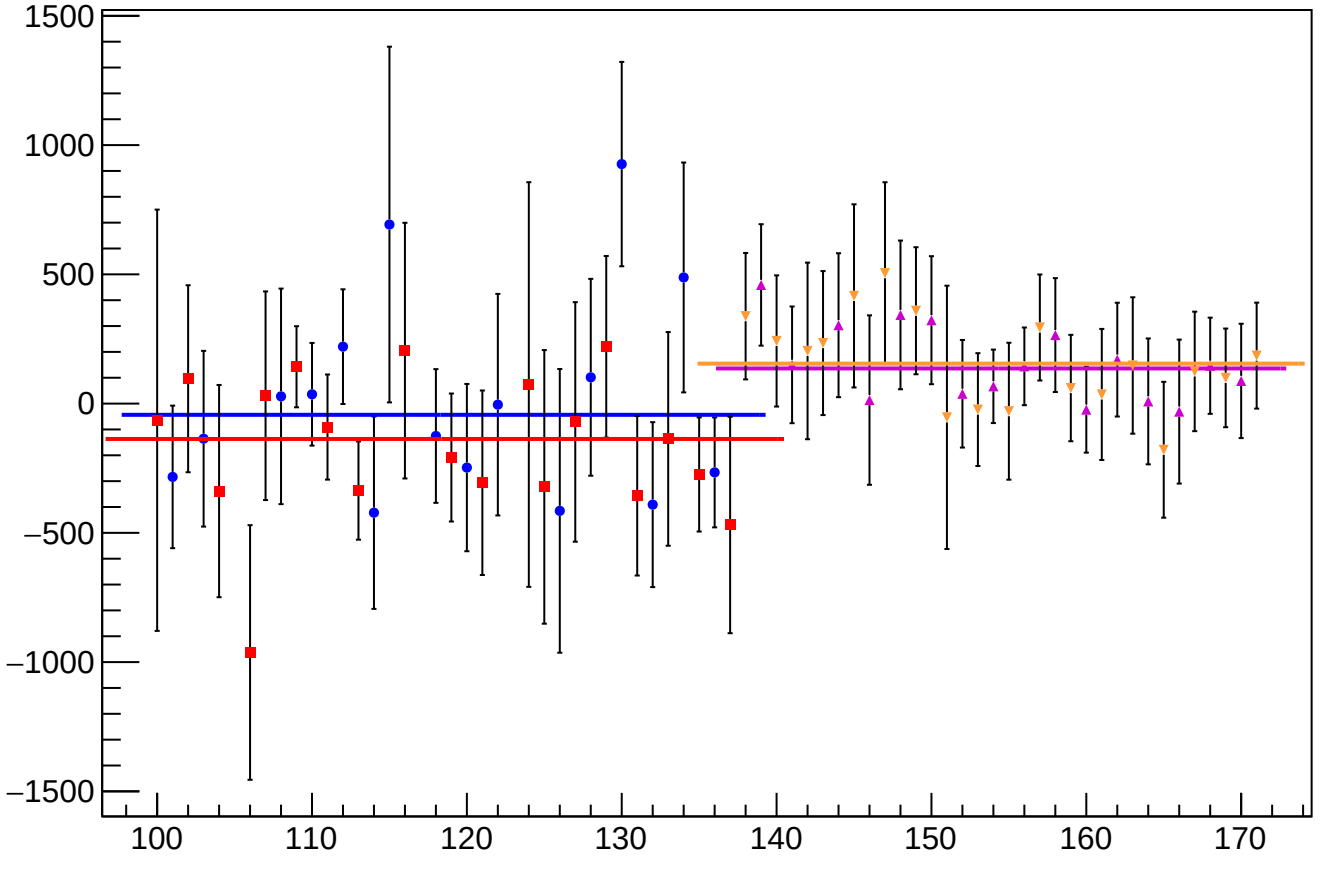
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.716+/-0.003 χ^2/NDF:105329.9/31

Out: 16.792+/-0.003 χ^2/NDF:135418.4/36

All: 16.755+/-0.002 χ^2/NDF: 241180.9/68

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: 135.931+/-52.577 χ^2/NDF:5.9/15

Left: 144.195+/-39.255 χ^2/NDF: 12.9/33

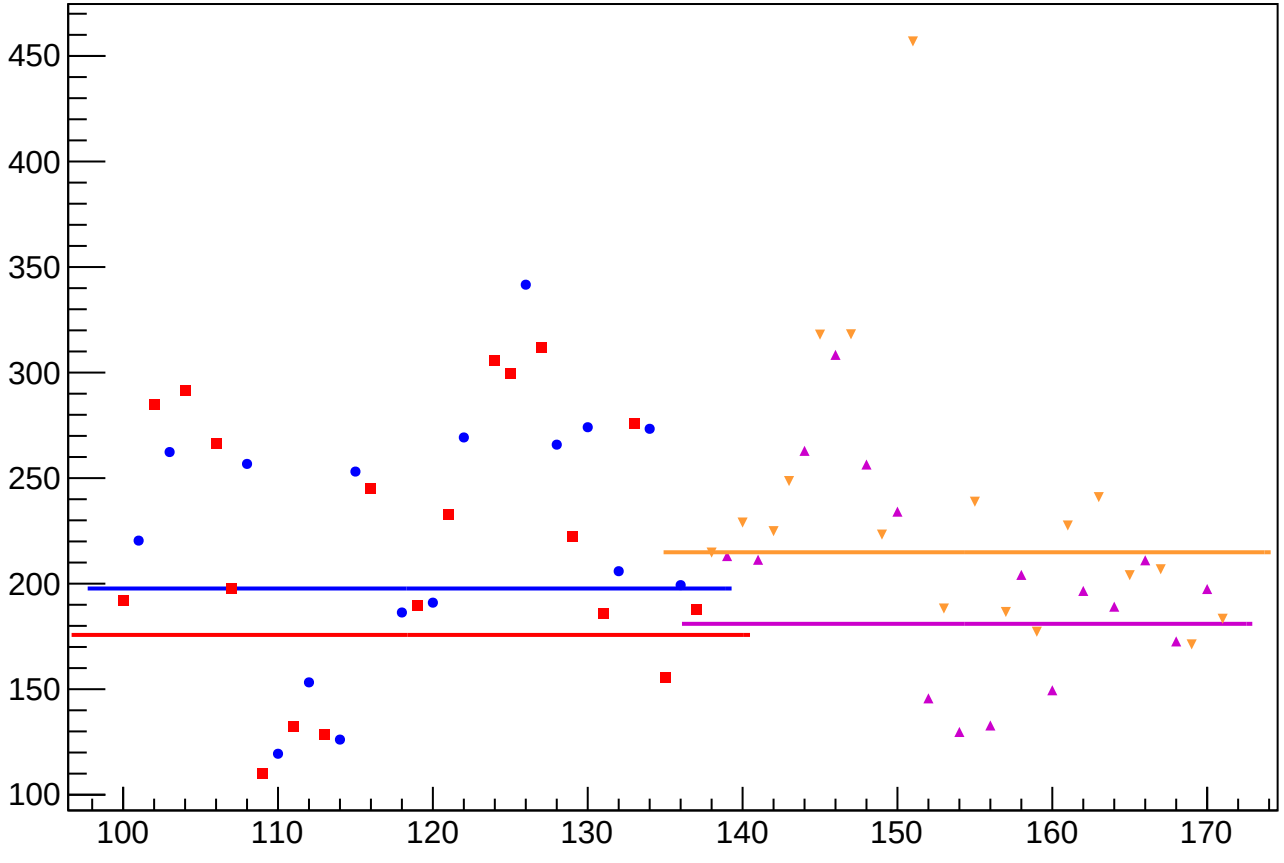
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 79.498+/-43.524 χ^2/NDF:25.0/31

Out: 32.663+/-44.997 χ^2/NDF:28.7/36

All: 56.860+/-31.284 χ^2/NDF: 54.3/68

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: 180.971+/-0.037 χ^2/NDF:1446384.8/15

Left: 195.976+/-0.028 χ^2/NDF: 2981004.3/33

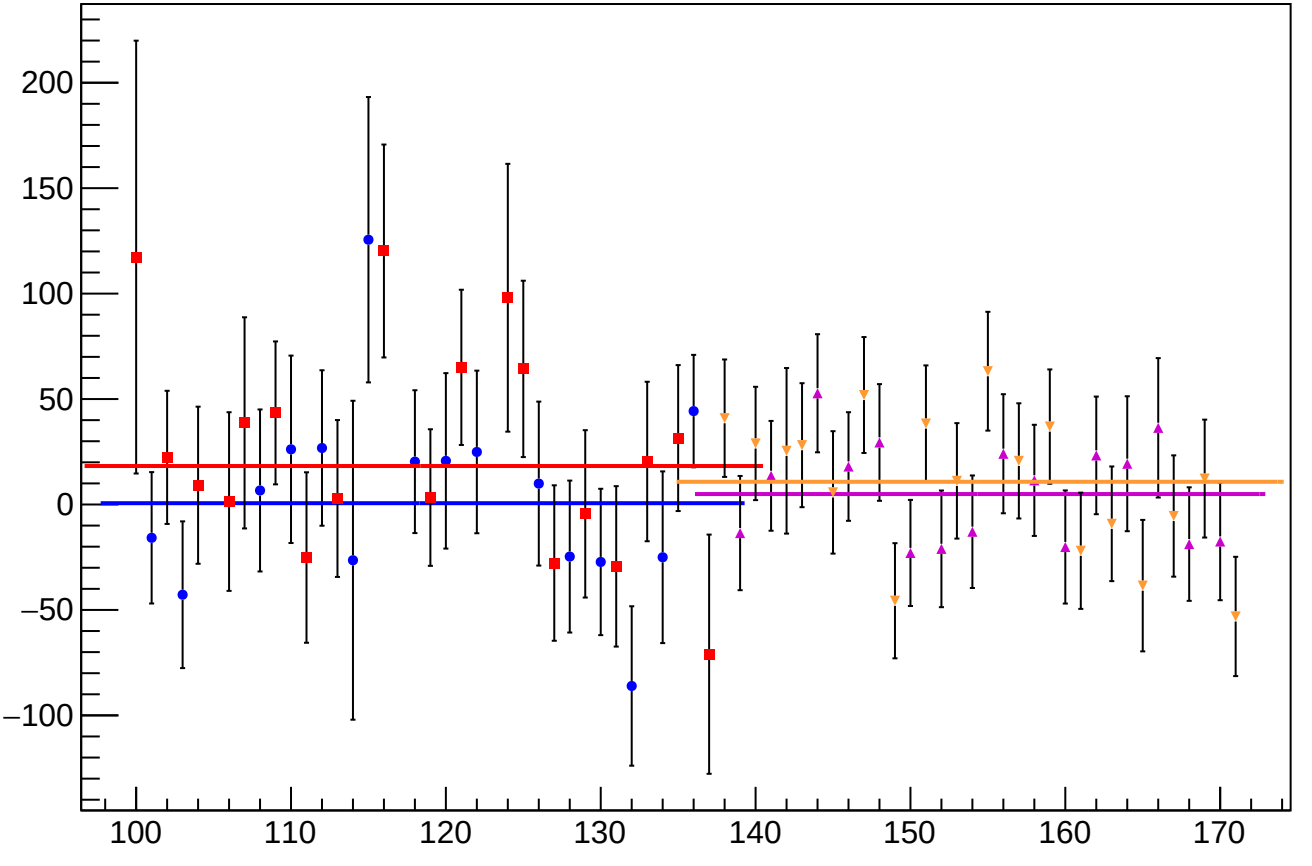
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 186.238+/-0.031 χ^2/NDF:2510490.9/31

Out: 198.487+/-0.032 χ^2/NDF:3125731.3/36

All: 192.159+/-0.022 χ^2/NDF: 5712795.2/68

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: 4.952+/-6.876 χ^2/NDF:11.5/15

Left: 7.946+/-4.793 χ^2/NDF: 35.9/33

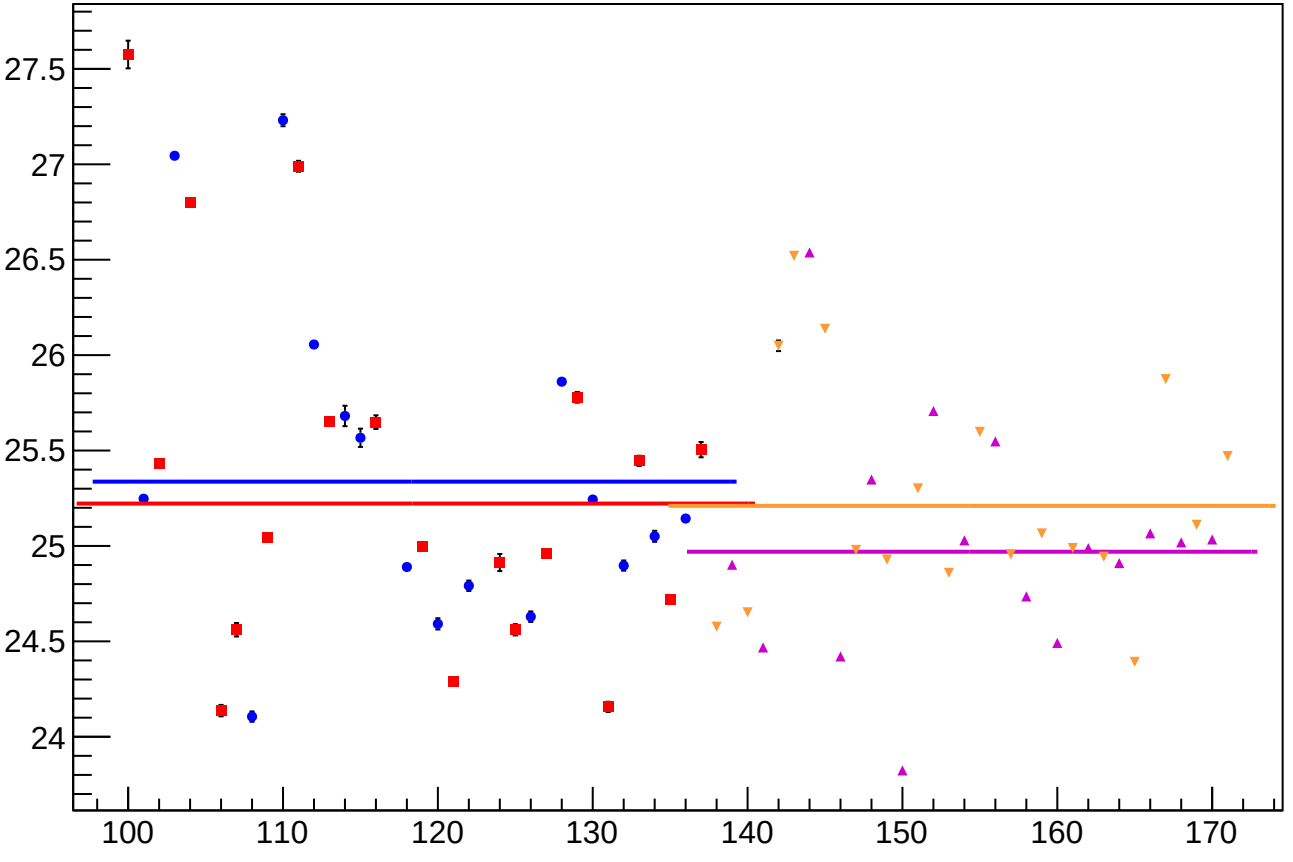
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 3.446+/-5.554 χ^2/NDF:28.3/31

Out: 13.353+/-5.409 χ^2/NDF:42.5/36

All: 8.531+/-3.875 χ^2/NDF: 72.4/68

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: 24.970+/-0.005 χ^2/NDF:15563.3/15

Left: 25.093+/-0.003 χ^2/NDF: 29921.7/33

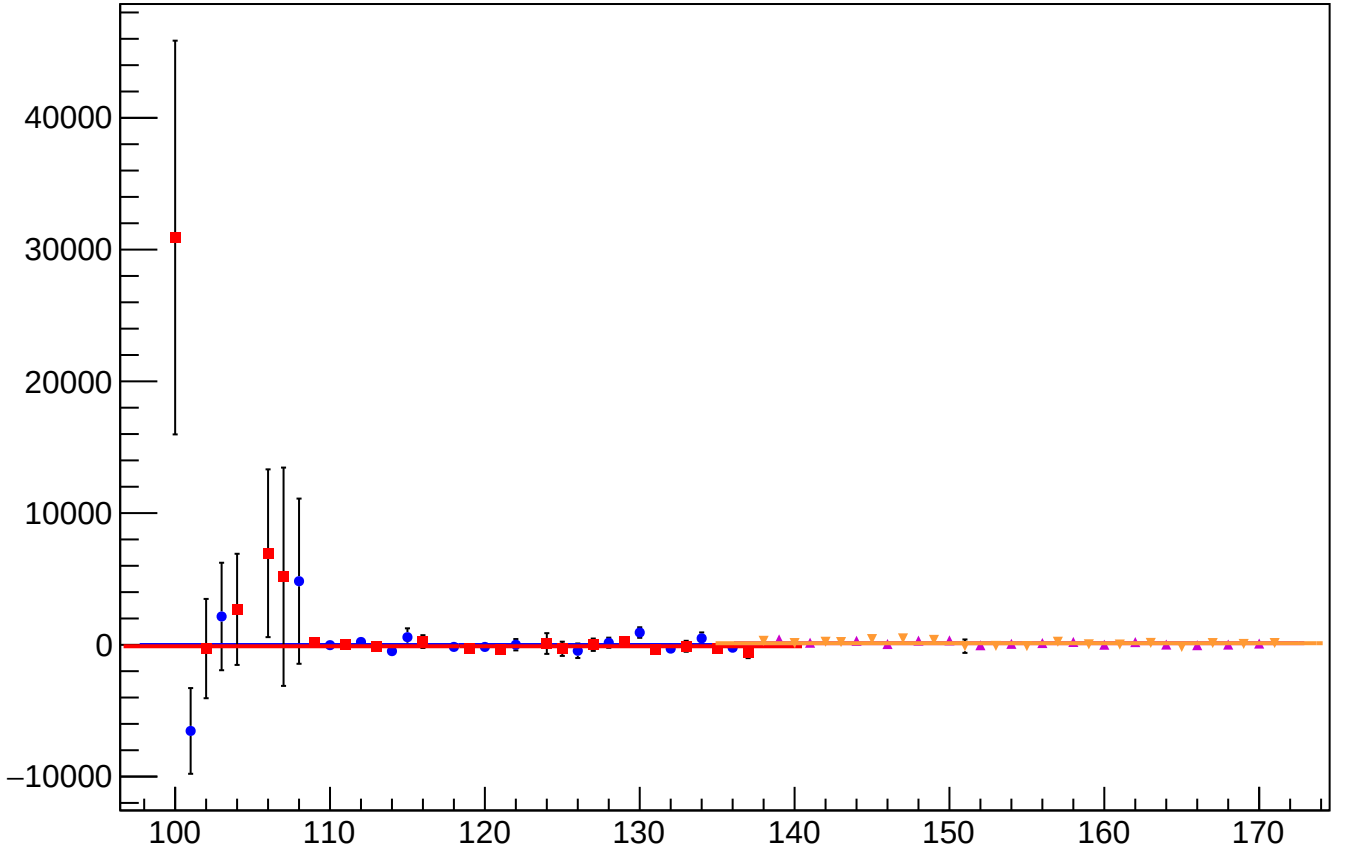
Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.097+/-0.004 χ^2/NDF:31861.8/31

Out: 25.214+/-0.004 χ^2/NDF:28328.2/36

All: 25.157+/-0.003 χ^2/NDF: 60644.7/68

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 123.138+/-59.558 χ^2/NDF:7.1/17

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 127.706+/-53.338 χ^2/NDF:5.4/15

Left: 125.673+/-39.733 χ^2/NDF: 12.5/33

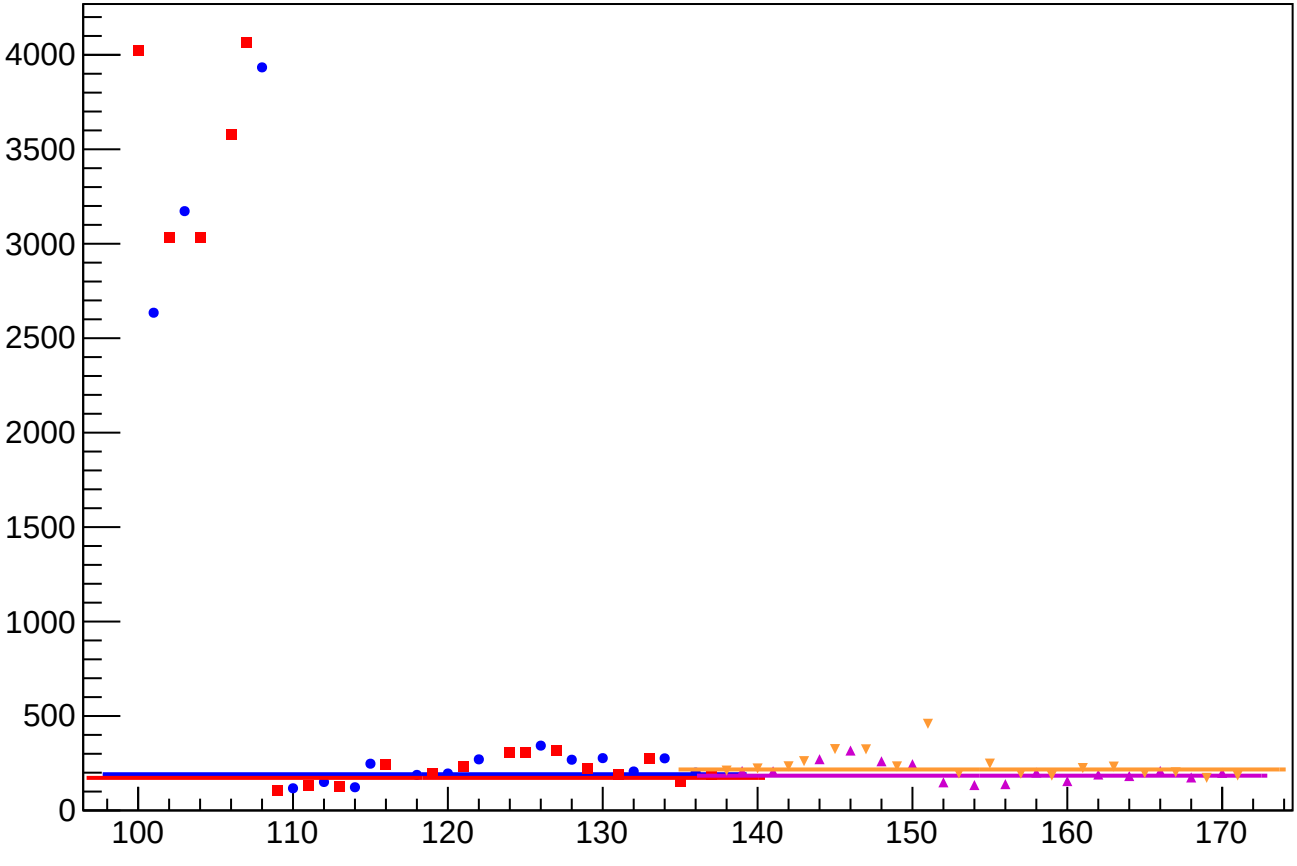
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 87.057+/-45.134 χ^2/NDF:25.7/31

Out: 37.843+/-47.358 χ^2/NDF:26.7/36

All: 63.633+/-32.673 χ^2/NDF: 53.1/68

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: 184.089+/-0.038 χ^2/NDF:1329957.6/15

Left: 198.736+/-0.028 χ^2/NDF: 2832788.2/33

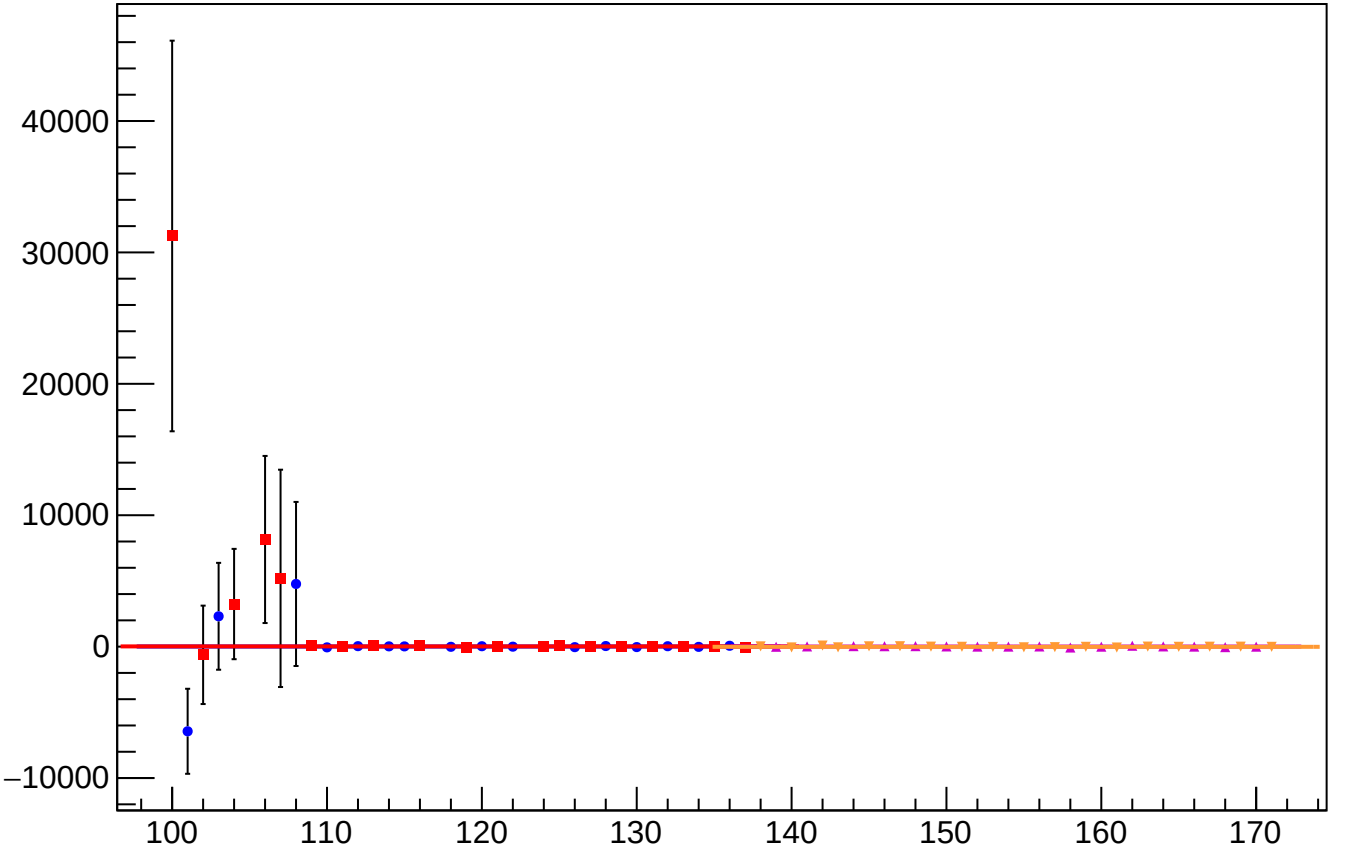
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 186.260+/-0.032 χ^2/NDF:5163433.9/31

Out: 200.622+/-0.033 χ^2/NDF:5878320.4/36

All: 193.096+/-0.023 χ^2/NDF: 11138137.0/68

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: 7.498+/-7.930 χ^2/NDF:16.5/15

Left: -3.852+/-5.499 χ^2/NDF: 38.2/33

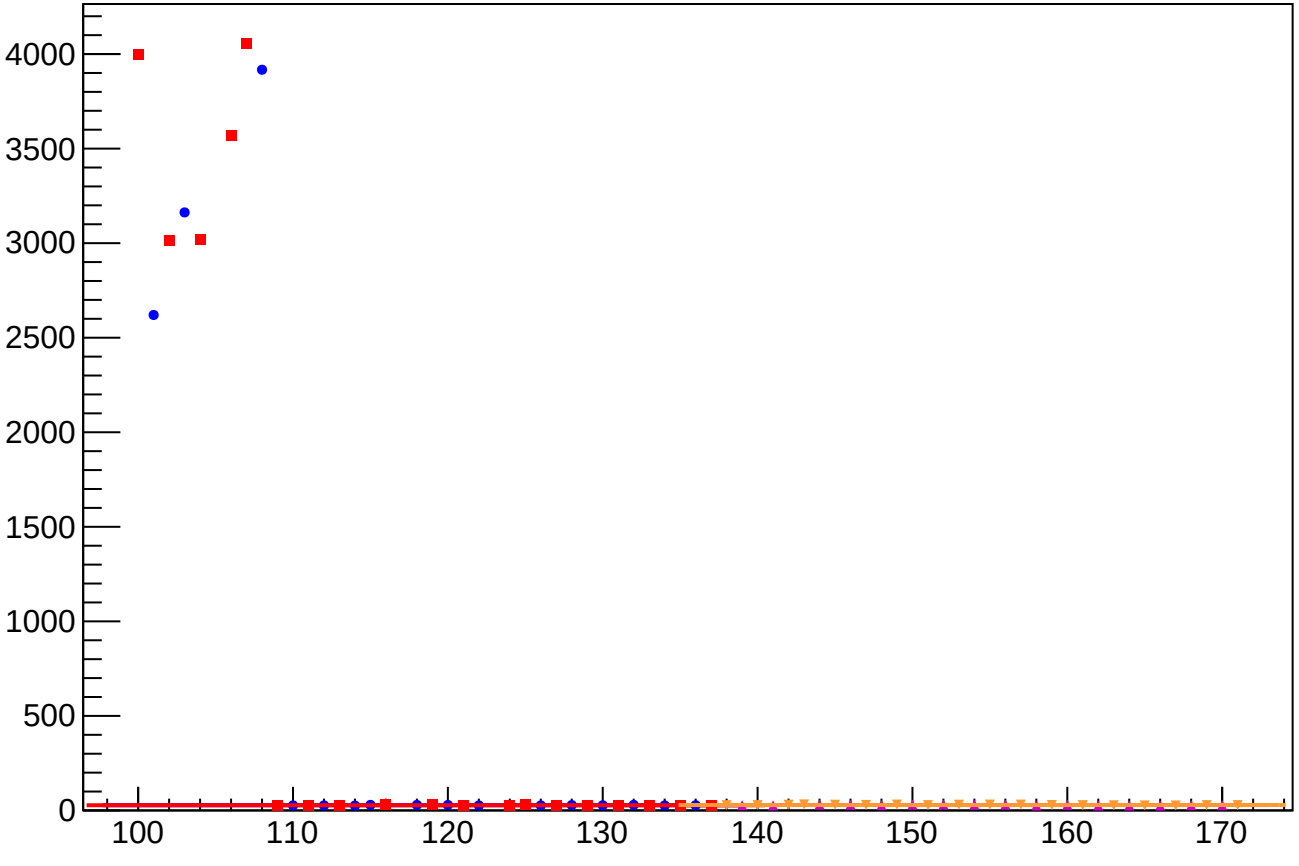
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 8.153+/-6.562 χ^2/NDF:32.5/31

Out: -4.793+/-6.410 χ^2/NDF:47.9/36

All: 1.528+/-4.585 χ^2/NDF: 82.4/68

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: 28.718+/-0.006 χ^2/NDF:110286.0/15

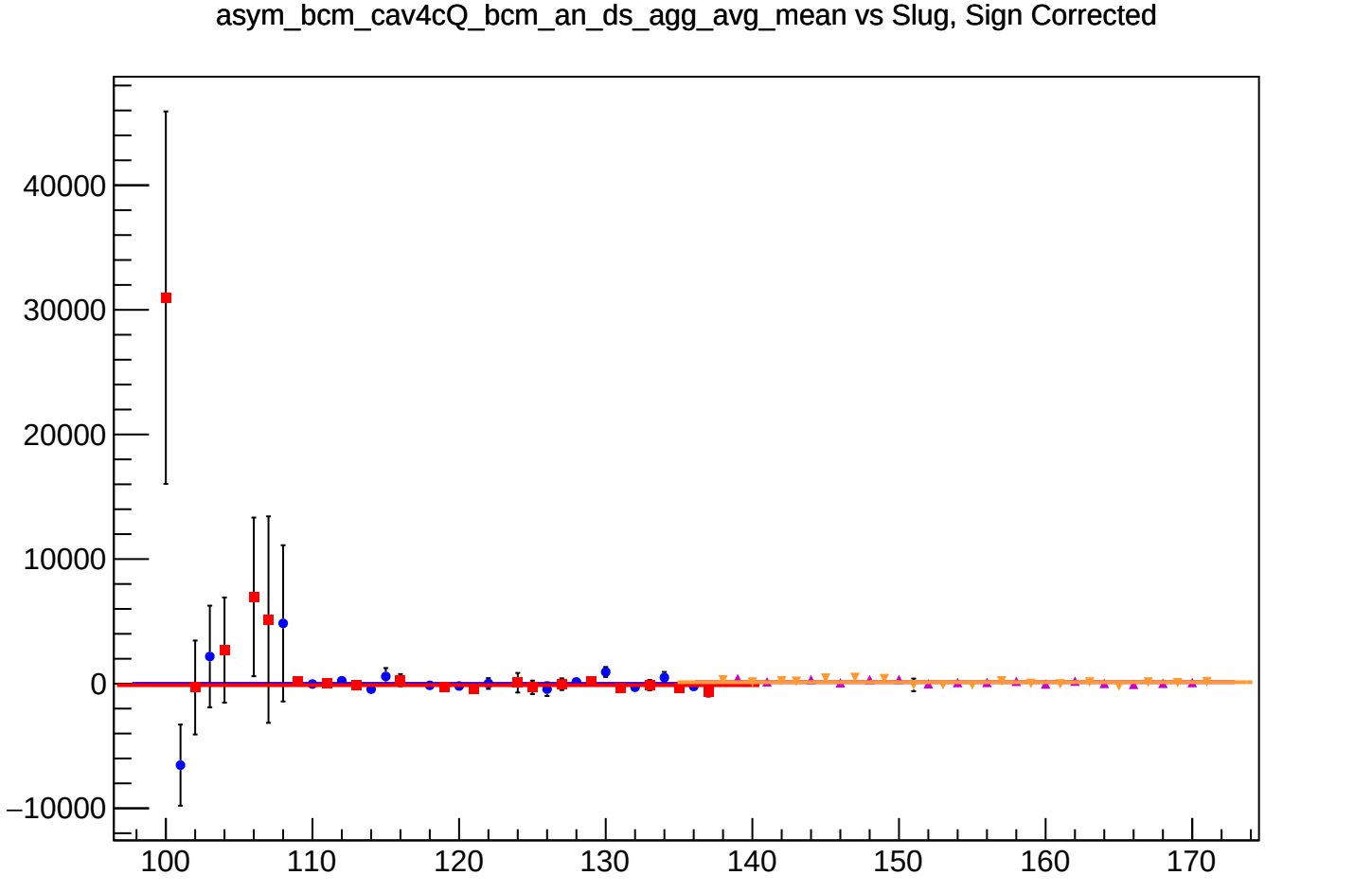
Left: 28.722+/-0.004 χ^2/NDF: 192628.9/33

Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.378+/-0.005 χ^2/NDF:3387397.3/31

Out: 28.375+/-0.005 χ^2/NDF:3651944.9/36

All: 28.377+/-0.003 χ^2/NDF: 7039342.5/68



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: 124.873+/-53.238 χ^2/NDF:5.6/15

Left: 121.766+/-39.654 χ^2/NDF: 13.5/33

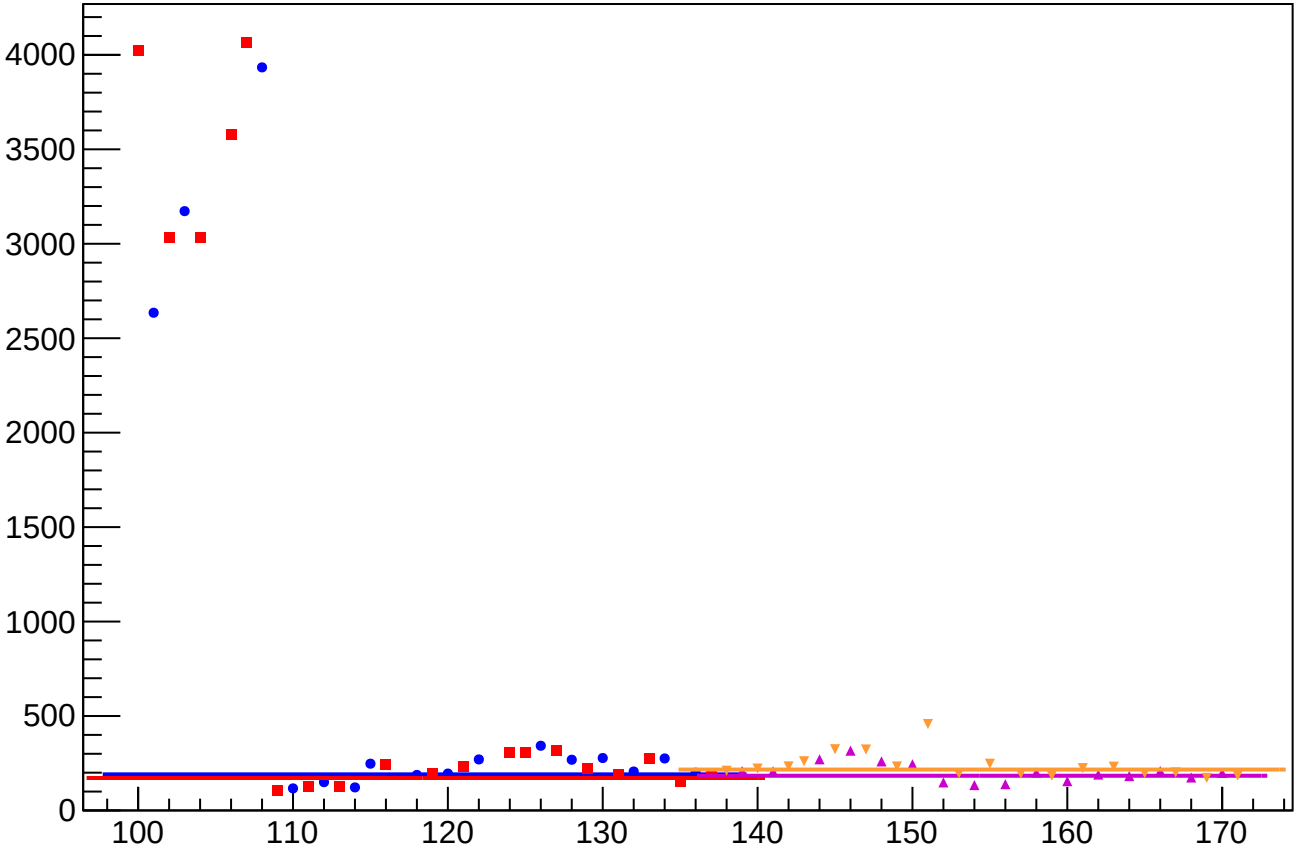
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 85.620+/-45.036 χ^2/NDF:25.8/31

Out: 31.031+/-47.242 χ^2/NDF:28.1/36

All: 59.630+/-32.597 χ^2/NDF: 54.7/68

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: 183.748+/-0.038 χ^2/NDF:1329465.7/15

Left: 198.347+/-0.028 χ^2/NDF: 2830933.2/33

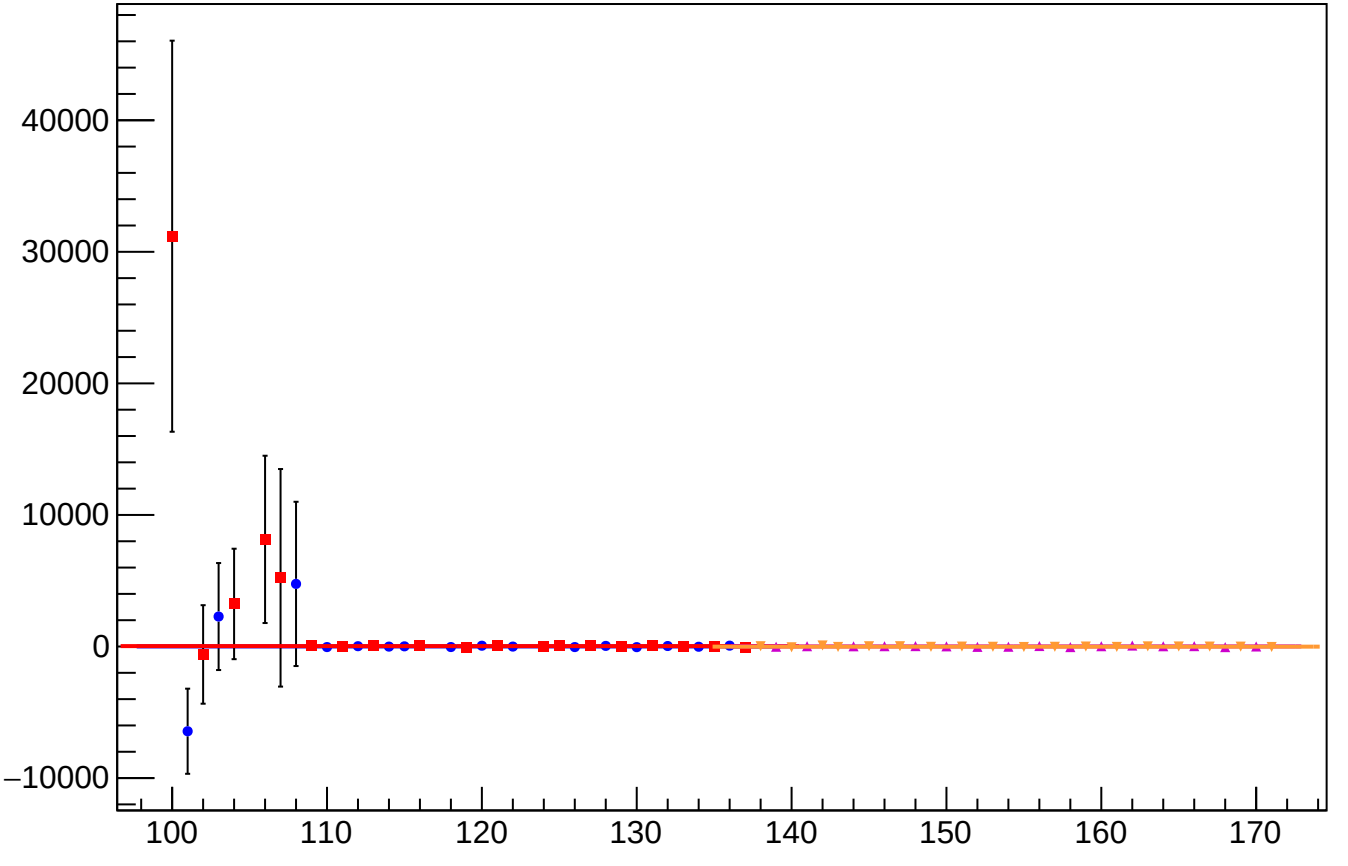
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 185.830+/-0.032 χ^2/NDF:5174175.9/31

Out: 200.083+/-0.033 χ^2/NDF:5894967.3/36

All: 192.616+/-0.023 χ^2/NDF: 11164518.3/68

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: 8.567+/-7.977 χ^2/NDF:16.0/15

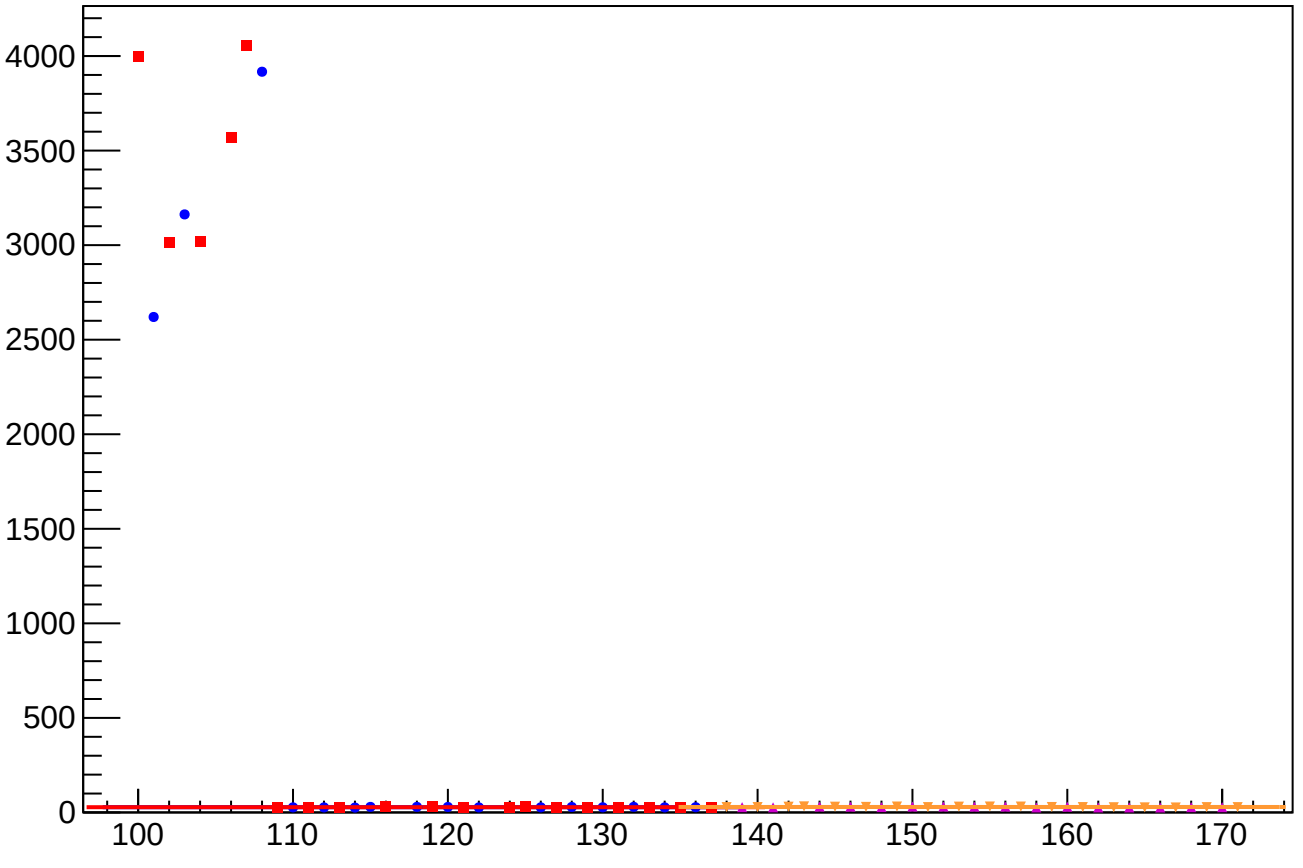
Left: -1.236+/-5.535 χ^2/NDF: 30.9/33

Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 7.913+/-6.603 χ^2/NDF:34.3/31

Out: 1.817+/-6.456 χ^2/NDF:40.4/36

All: 4.797+/-4.616 χ^2/NDF: 75.1/68



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: 28.891+/-0.006 χ^2/NDF:111648.8/15

Left: 28.905+/-0.004 χ^2/NDF: 200211.4/33

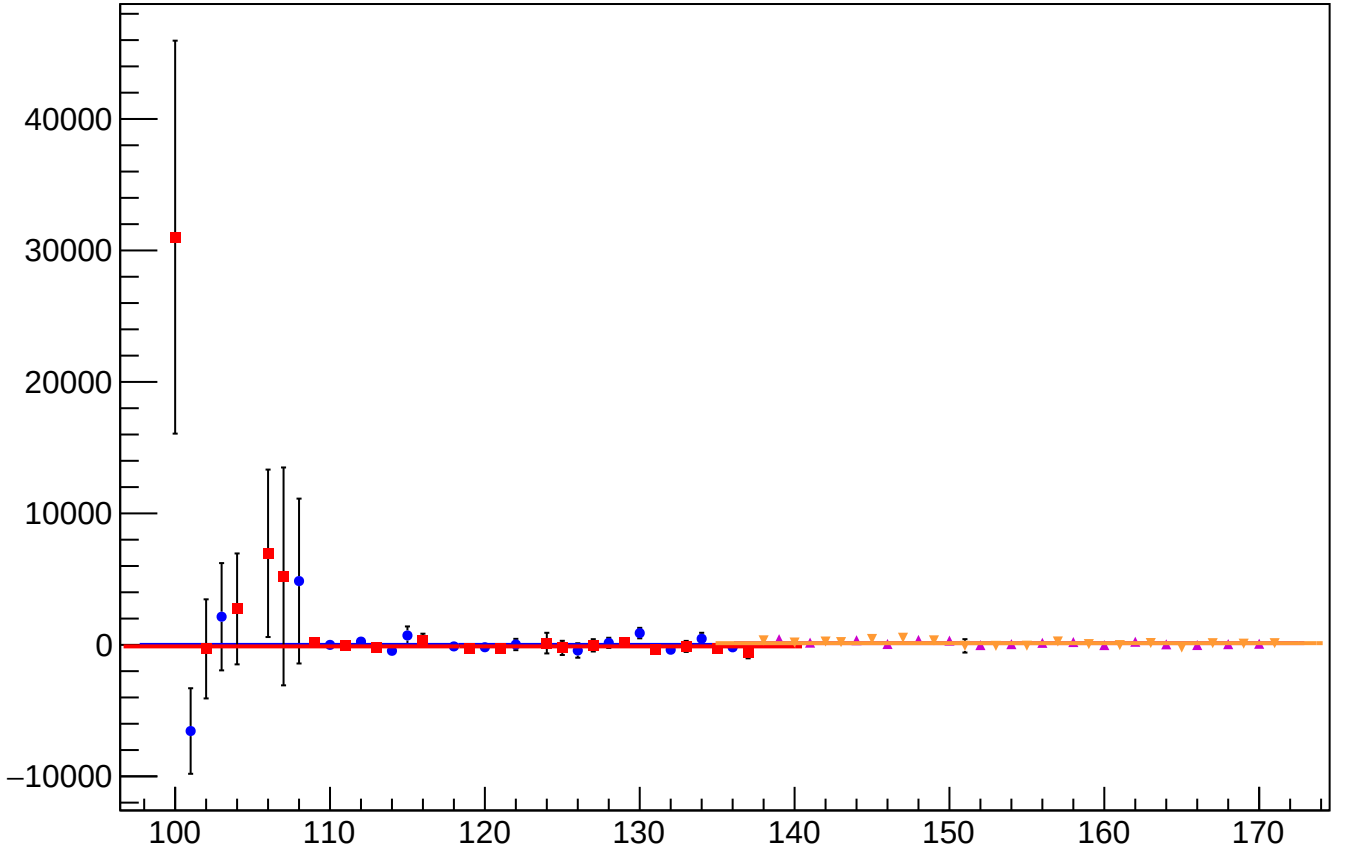
Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.555+/-0.005 χ^2/NDF:3388795.3/31

Out: 28.575+/-0.005 χ^2/NDF:3660739.4/36

All: 28.565+/-0.003 χ^2/NDF: 7049544.3/68

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: 135.475+/-53.887 χ^2/NDF:6.0/15

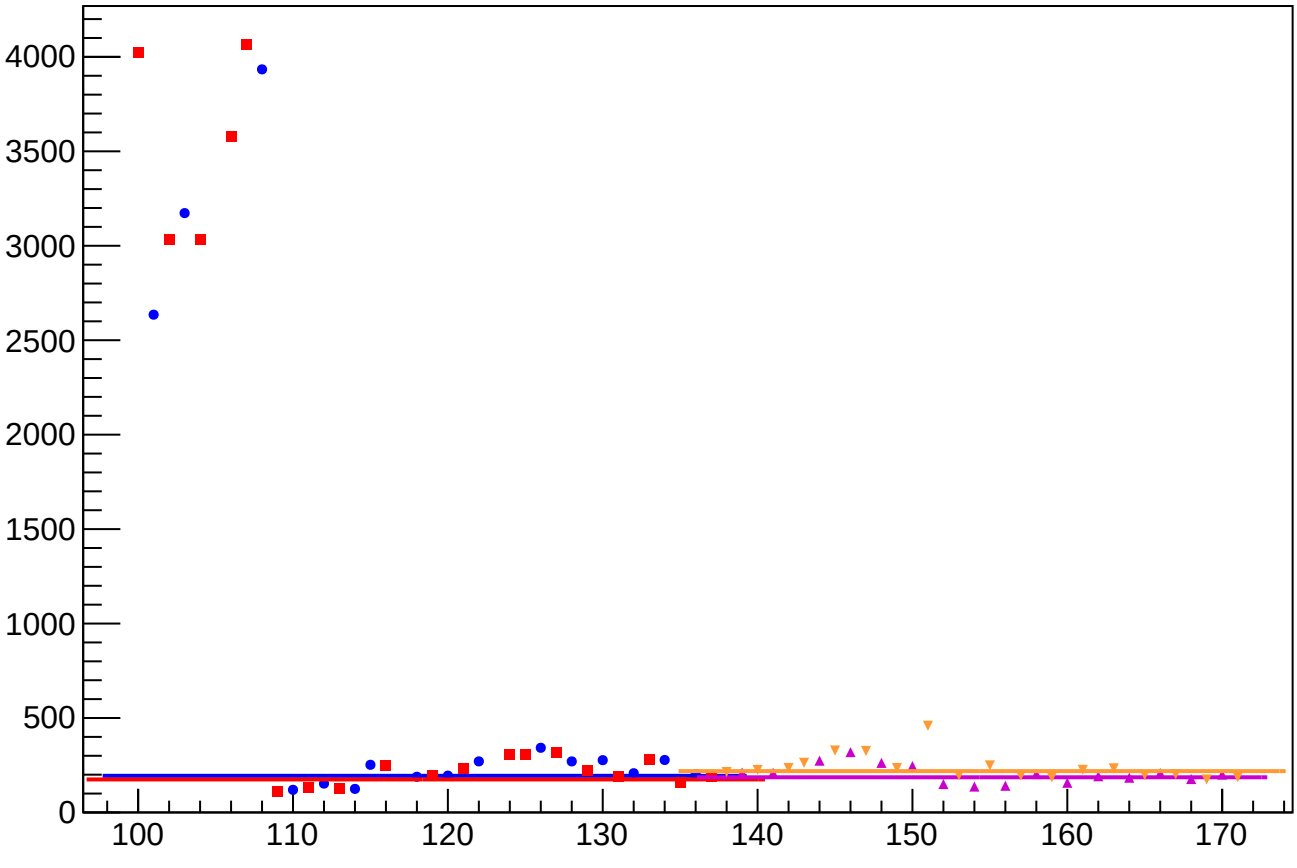
Left: 133.093+/-40.102 χ^2/NDF: 13.8/33

Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 96.170+/-45.590 χ^2/NDF:26.1/31

Out: 40.050+/-47.789 χ^2/NDF:27.7/36

All: 69.431+/-32.987 χ^2/NDF: 54.5/68



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: 186.161+/-0.038 χ^2/NDF:1301299.2/15

Left: 200.745+/-0.028 χ^2/NDF: 2780573.6/33

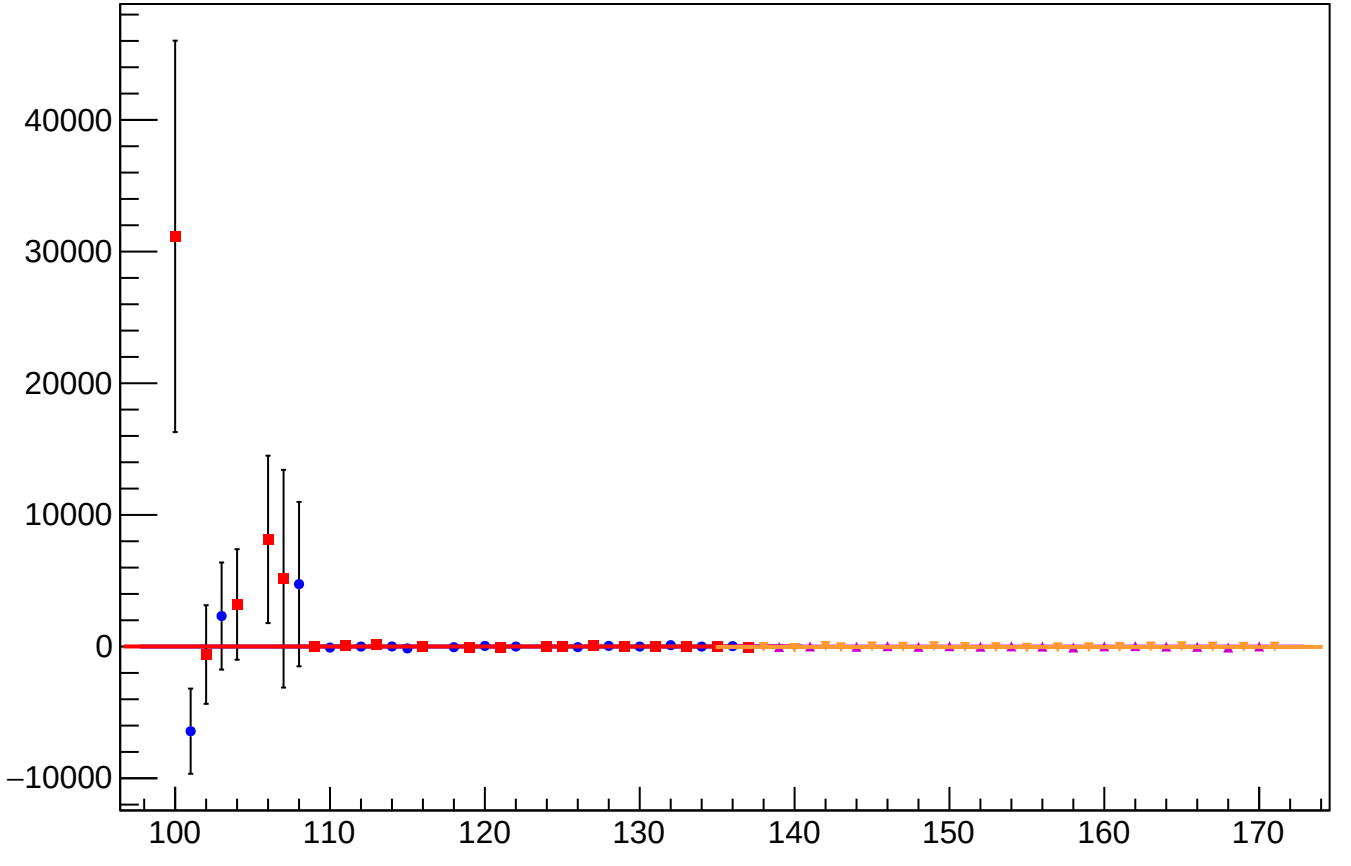
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 188.374+/-0.032 χ^2/NDF:5097632.6/31

Out: 202.701+/-0.034 χ^2/NDF:5805080.0/36

All: 195.200+/-0.023 χ^2/NDF: 10996820.6/68

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: -2.056+/-9.505 χ^2/NDF:11.9/15

Left: -15.343+/-6.591 χ^2/NDF: 33.1/33

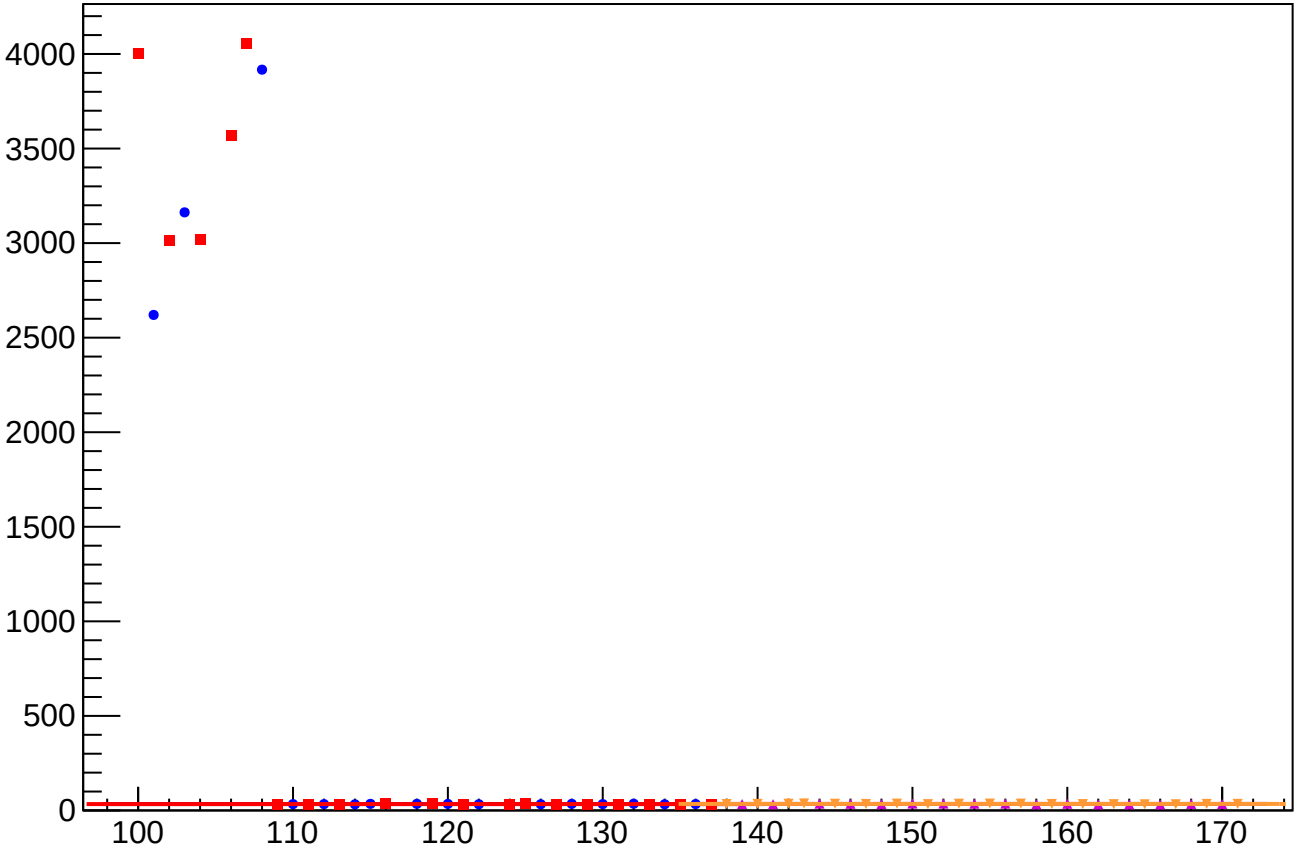
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: 0.307+/-7.917 χ^2/NDF:29.5/31

Out: -16.859+/-7.726 χ^2/NDF:45.7/36

All: -8.485+/-5.529 χ^2/NDF: 77.6/68

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: 34.489+/-0.007 χ^2/NDF:48890.3/15

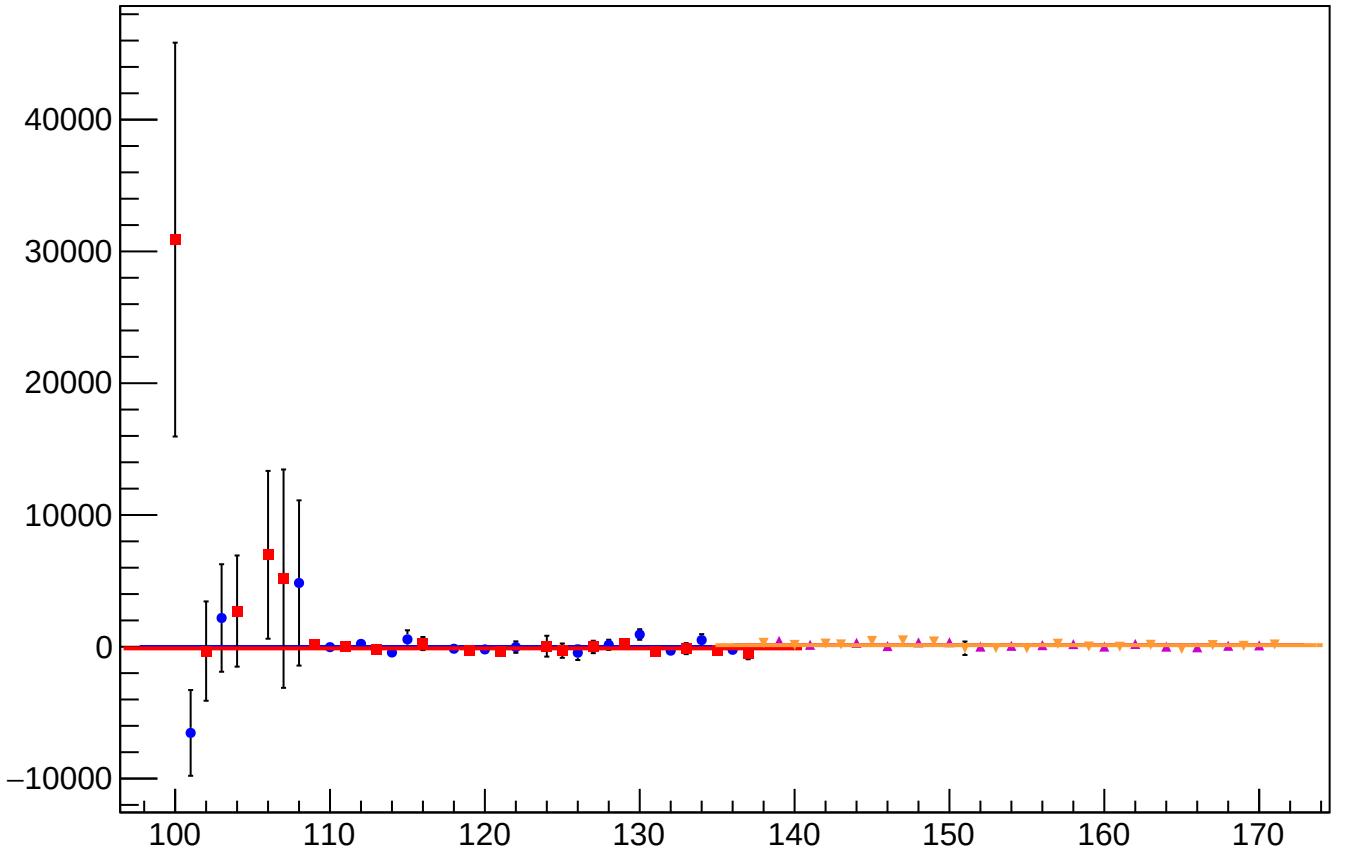
Left: 34.485+/-0.005 χ^2/NDF: 85765.5/33

Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.309+/-0.006 χ^2/NDF:3295632.6/31

Out: 34.265+/-0.005 χ^2/NDF:3567240.2/36

All: 34.286+/-0.004 χ^2/NDF: 6862904.7/68



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: 134.537+/-53.744 χ^2/NDF:5.3/15

Left: 129.098+/-40.007 χ^2/NDF: 13.0/33

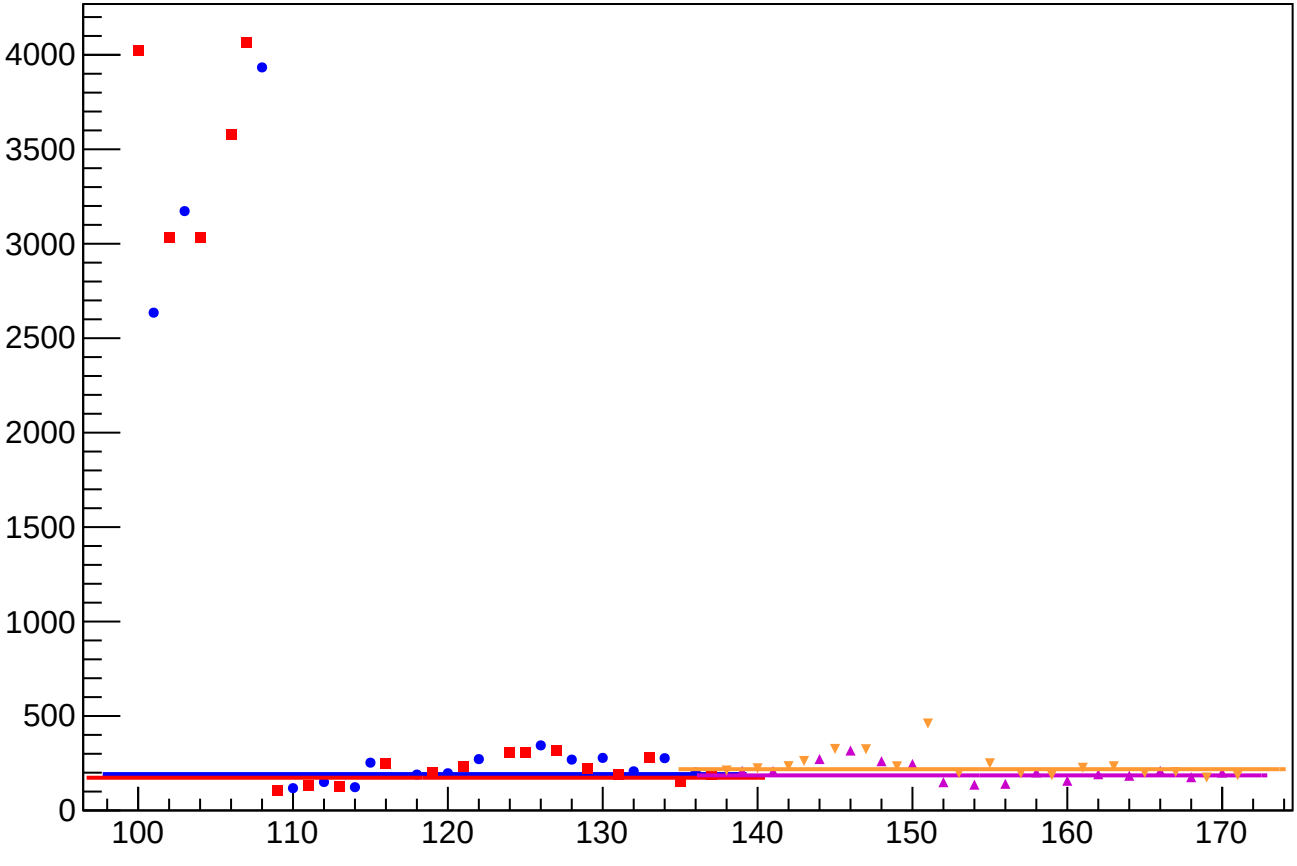
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 90.584+/-45.435 χ^2/NDF:25.9/31

Out: 33.095+/-47.618 χ^2/NDF:26.9/36

All: 63.187+/-32.872 χ^2/NDF: 53.5/68

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 218.417+/-0.042 χ^2/NDF:1144125.6/17

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 185.670+/-0.038 χ^2/NDF:1289504.6/15

Left: 200.270+/-0.028 χ^2/NDF: 2764691.5/33

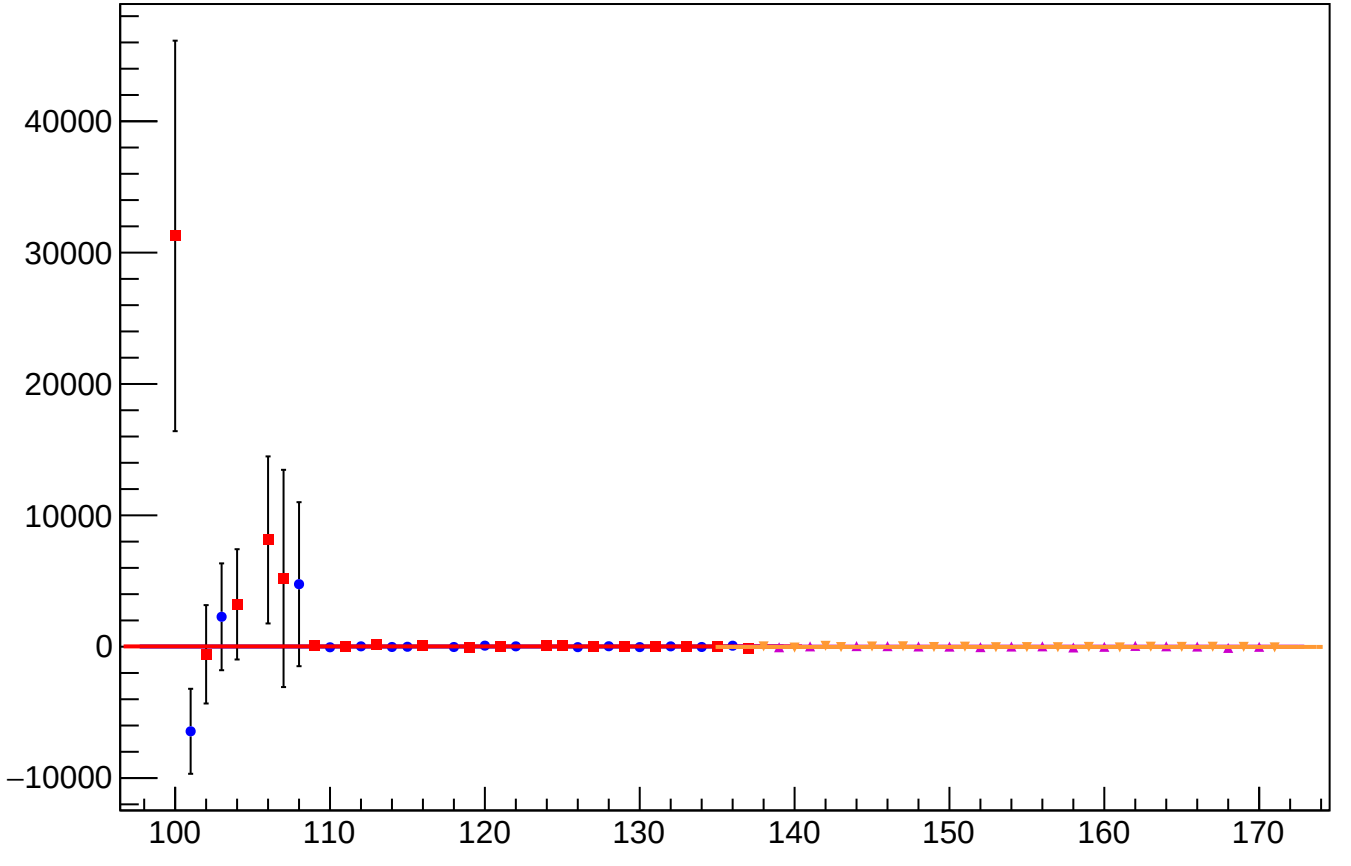
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 187.635+/-0.032 χ^2/NDF:5121673.0/31

Out: 201.778+/-0.034 χ^2/NDF:5870240.7/36

All: 194.375+/-0.023 χ^2/NDF: 11084254.4/68

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: 2.869+/-8.606 χ^2/NDF:22.5/15

Left: -7.499+/-5.973 χ^2/NDF: 38.2/33

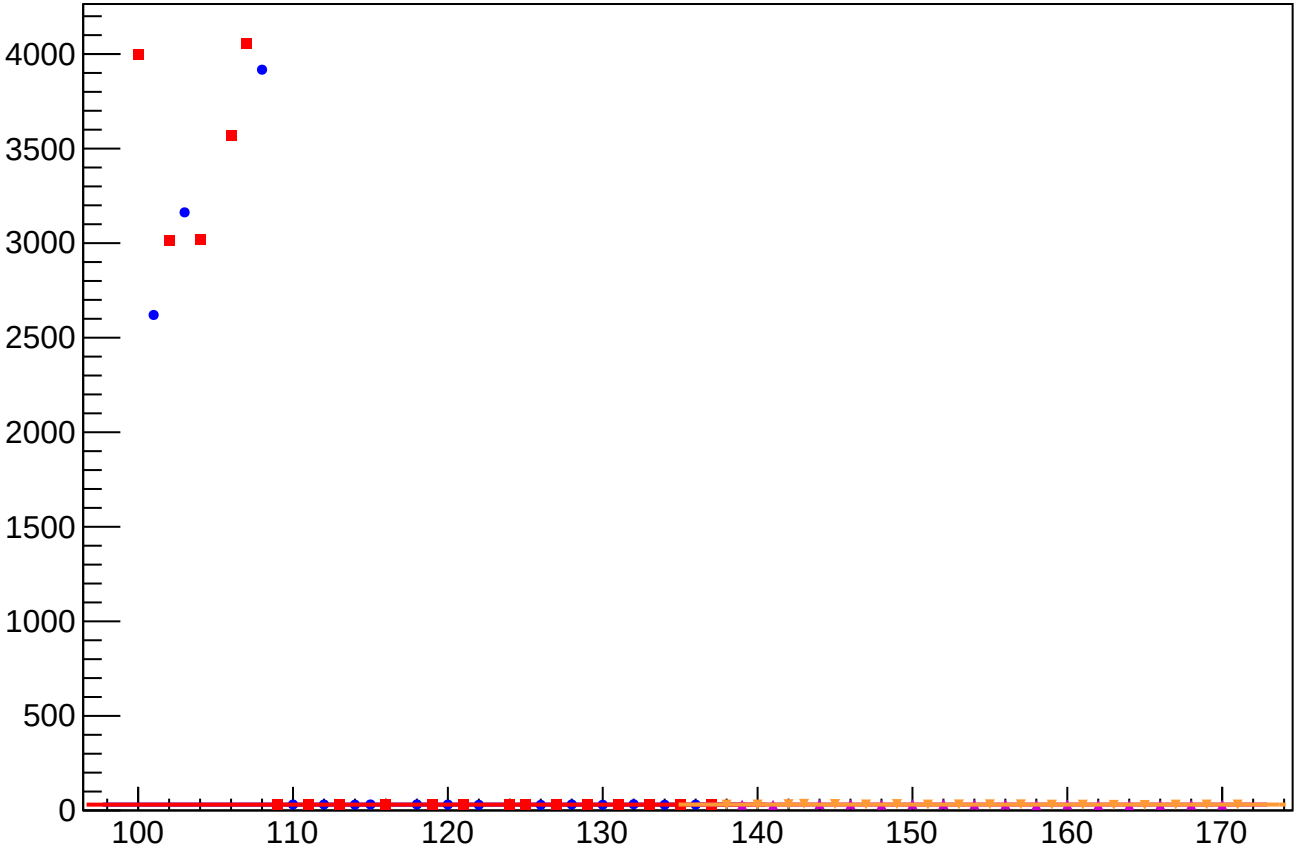
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 6.152+/-7.186 χ^2/NDF:38.5/31

Out: -5.681+/-7.021 χ^2/NDF:48.2/36

All: 0.098+/-5.022 χ^2/NDF: 88.1/68

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: 31.190+/-0.006 χ^2/NDF:77087.6/15

Left: 31.218+/-0.004 χ^2/NDF: 135675.5/33

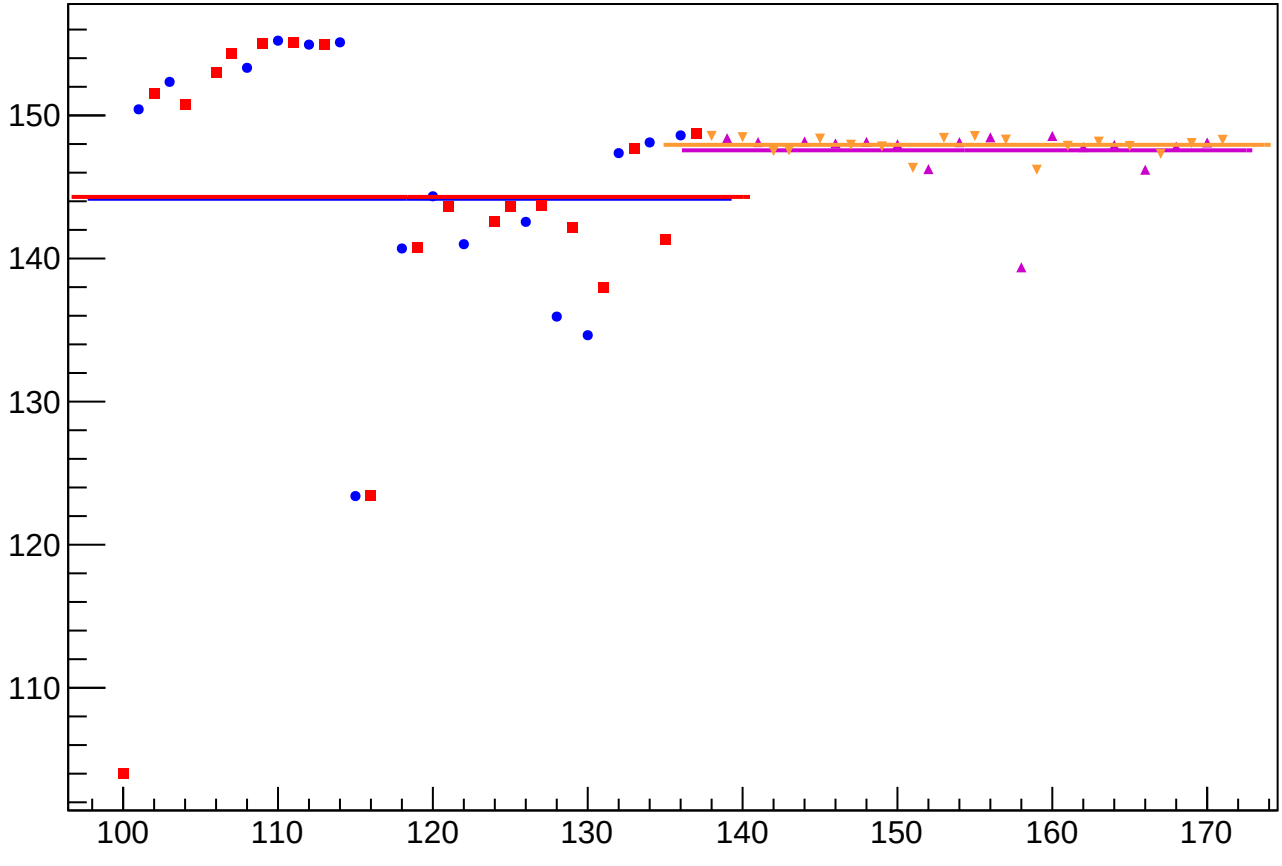
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.110+/-0.005 χ^2/NDF:3330252.9/31

Out: 31.111+/-0.005 χ^2/NDF:3596576.3/36

All: 31.111+/-0.004 χ^2/NDF: 6926829.2/68

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: 147.560+/-0.000 χ^2/NDF:289347277.7/15

Left: 147.763+/-0.000 χ^2/NDF: 329297765.8/33

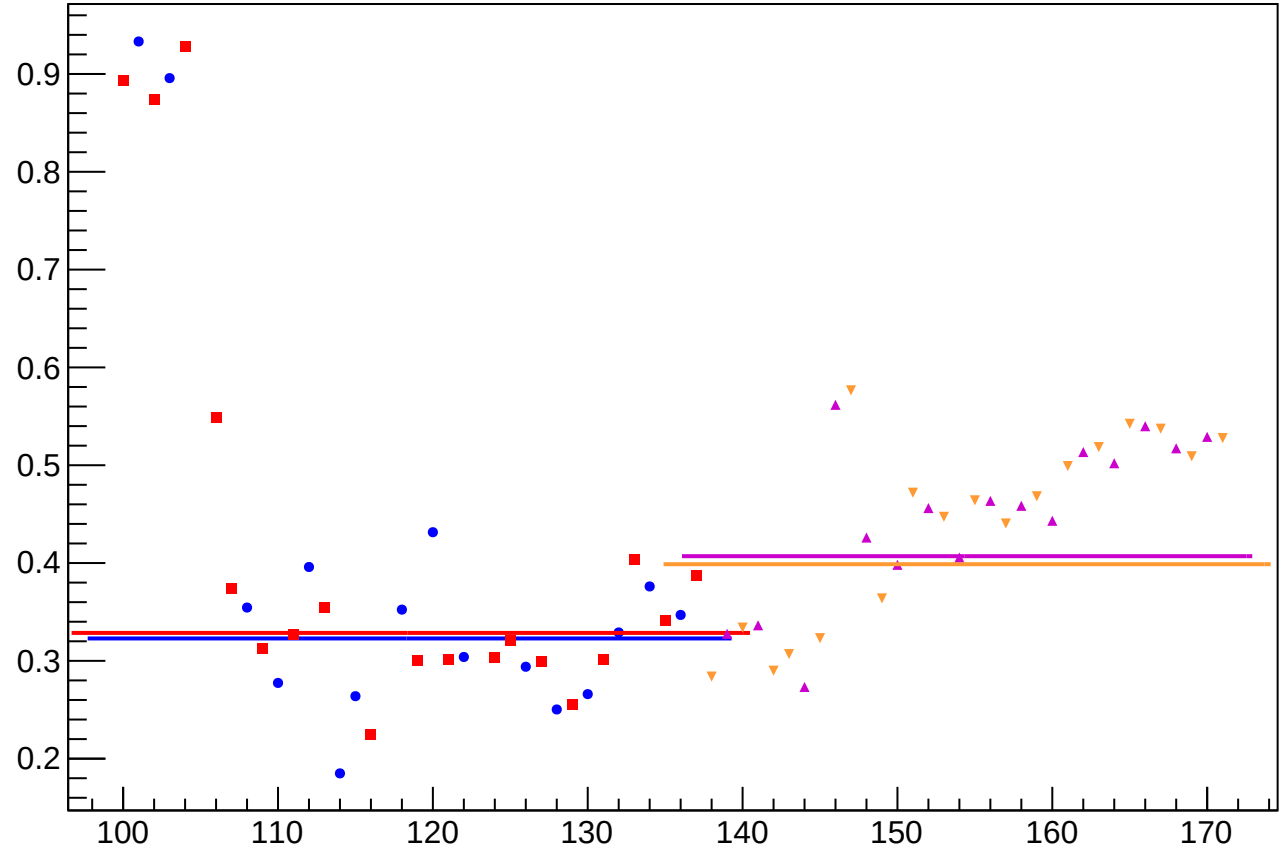
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.078+/-0.000 χ^2/NDF:4381369801.8/31

Out: 146.456+/-0.000 χ^2/NDF:4741048103.0/36

All: 146.272+/-0.000 χ^2/NDF: 9131999804.0

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: 0.407+/-0.000 χ^2/NDF:1131519.1/15

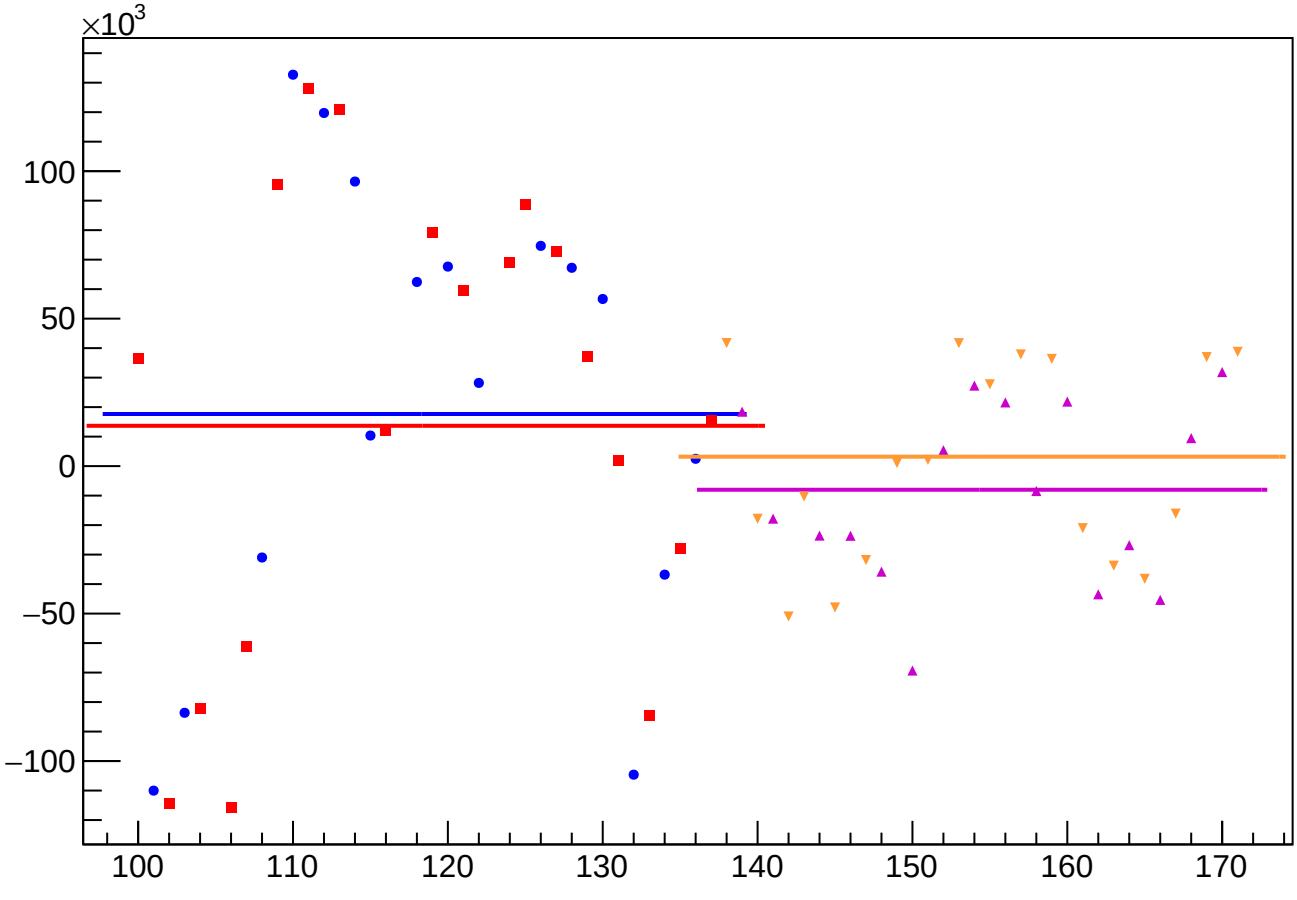
Left: 0.403+/-0.000 χ^2/NDF: 2596153.4/33

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.370+/-0.000 χ^2/NDF:2981368.0/31

Out: 0.370+/-0.000 χ^2/NDF:3092757.6/36

All: 0.370+/-0.000 χ^2/NDF: 6074126.7/68



Right In: 17663.790+/-2.006 χ^2/NDF: 1398738701.8/15

Left Out: 3193.200+/-1.292 χ^2/NDF:619966509.8/17

Right Out: 13666.312+/-1.925 χ^2/NDF: 1856962869.6/18

Left In: -8014.975+/-1.344 χ^2/NDF:503410340.3/15

Left: -2190.935+/-0.931 χ^2/NDF: 1159518529.1/33

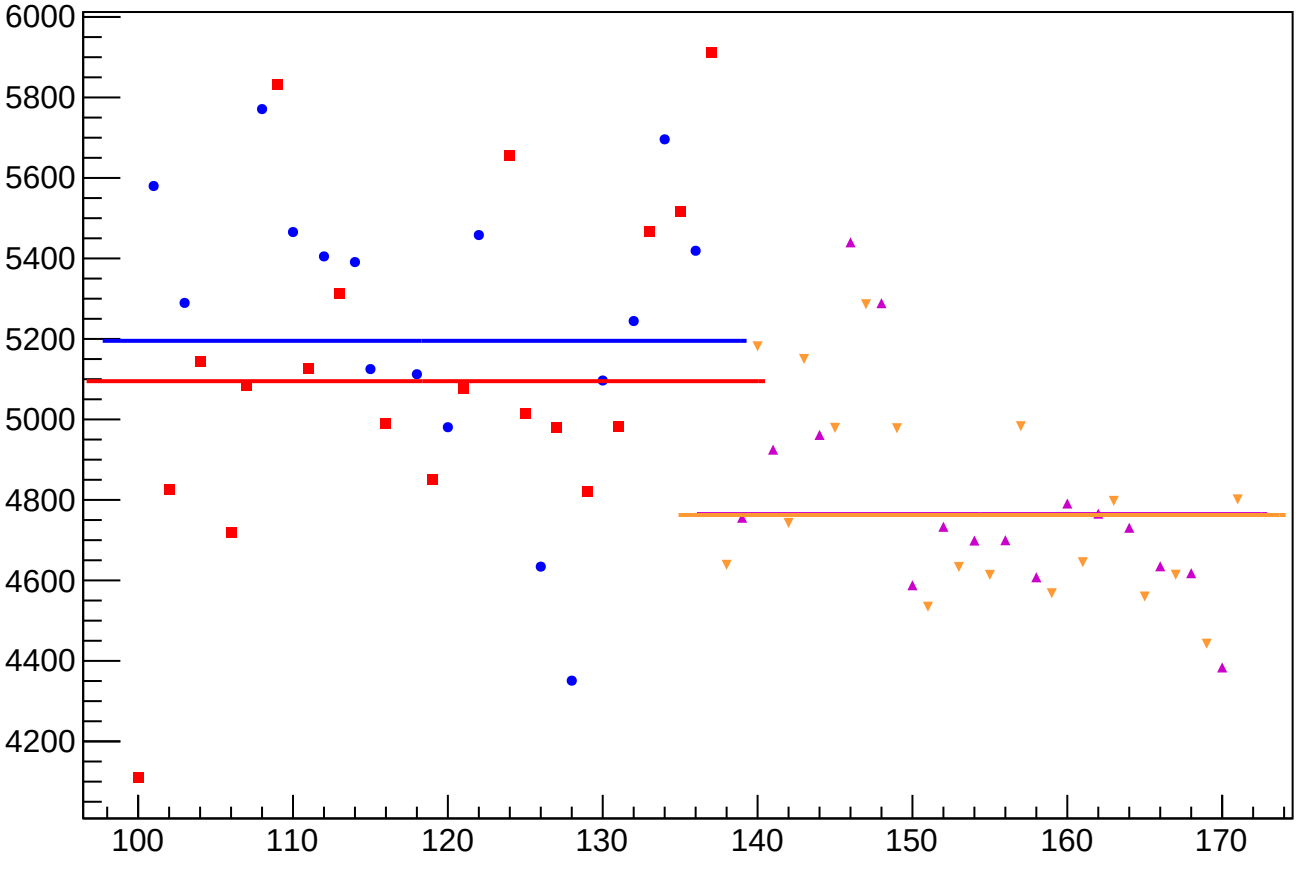
Right: 15583.102+/-1.389 χ^2/NDF: 3257769505.5/3

In: -57.314+/-1.116 χ^2/NDF:2015287072.1/31

Out: 6446.605+/-1.073 χ^2/NDF:2497336018.9/36

All: 3324.048+/-0.774 χ^2/NDF: 4530267181.

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: 4764.841+/-0.950 χ^2/NDF:64150.0/15

Left: 4763.630+/-0.659 χ^2/NDF: 131080.7/33

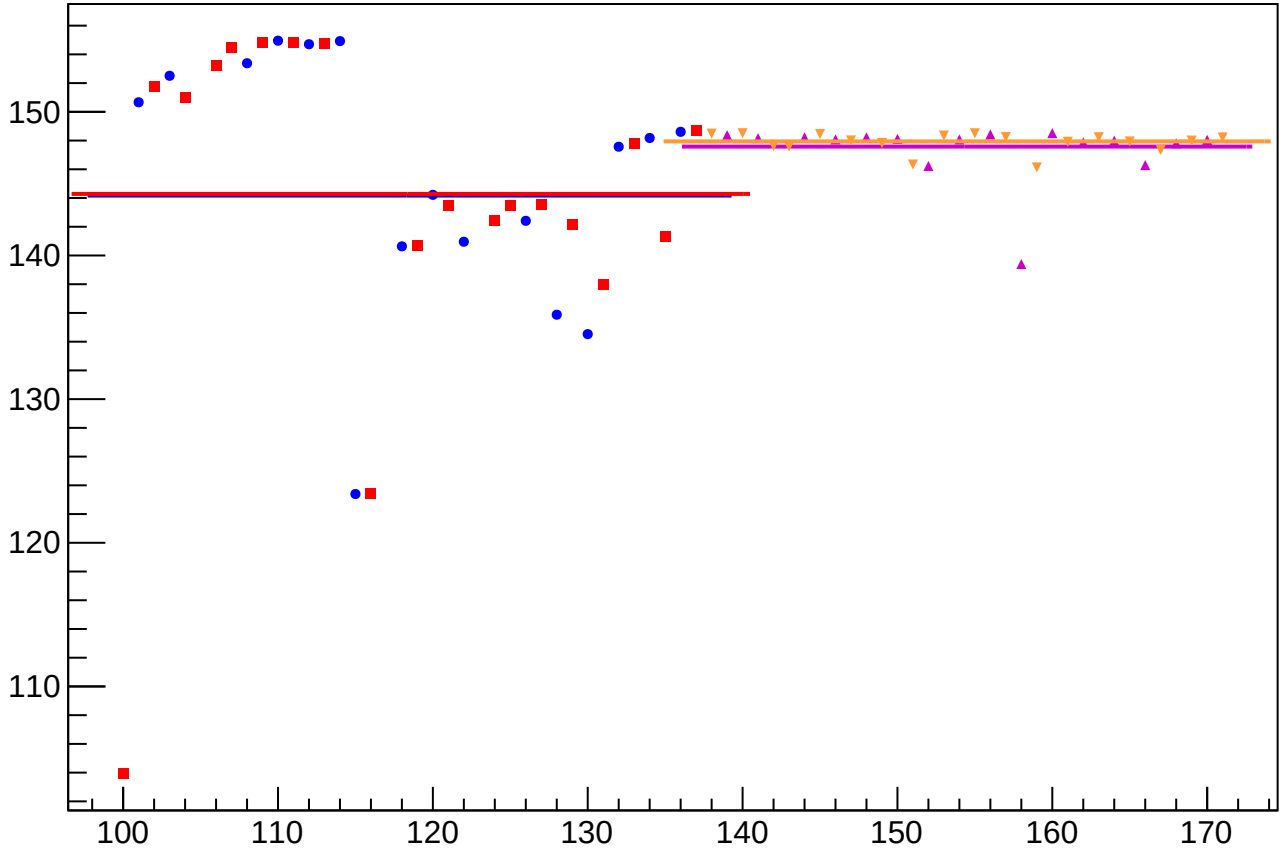
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4898.236+/-0.789 χ^2/NDF:204900.5/31

Out: 4865.811+/-0.759 χ^2/NDF:167185.6/36

All: 4881.379+/-0.547 χ^2/NDF: 372963.2/68

yield_bcm_an_ds_mean vs Slug, Sign Corrected



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: 147.581+/-0.000 χ^2/NDF:289896145.1/15

Left: 147.772+/-0.000 χ^2/NDF: 329053140.5/33

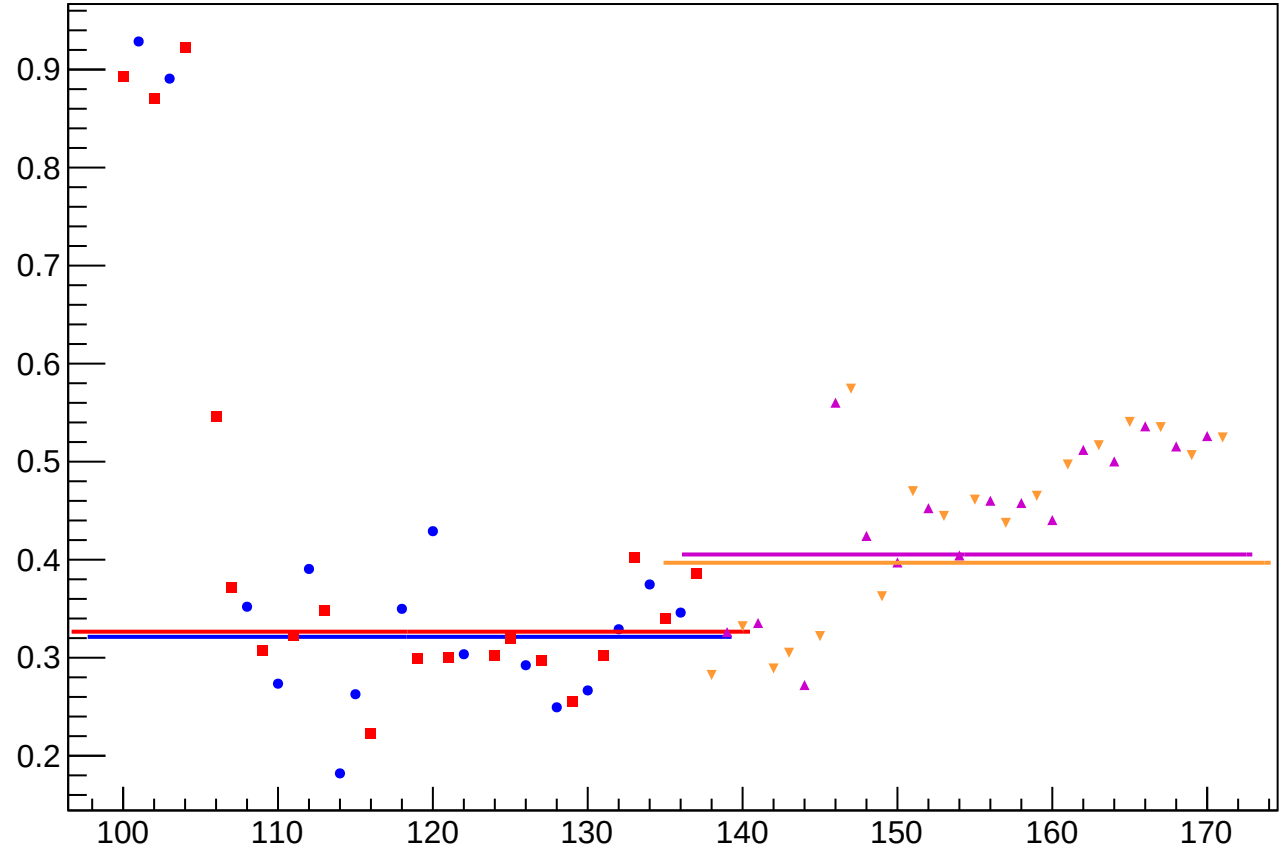
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.086+/-0.000 χ^2/NDF:4430894470.3/31

Out: 146.446+/-0.000 χ^2/NDF:4775549566.0/36

All: 146.271+/-0.000 χ^2/NDF: 9215206198.4

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: 0.405+/-0.000 χ^2/NDF:1128692.3/15

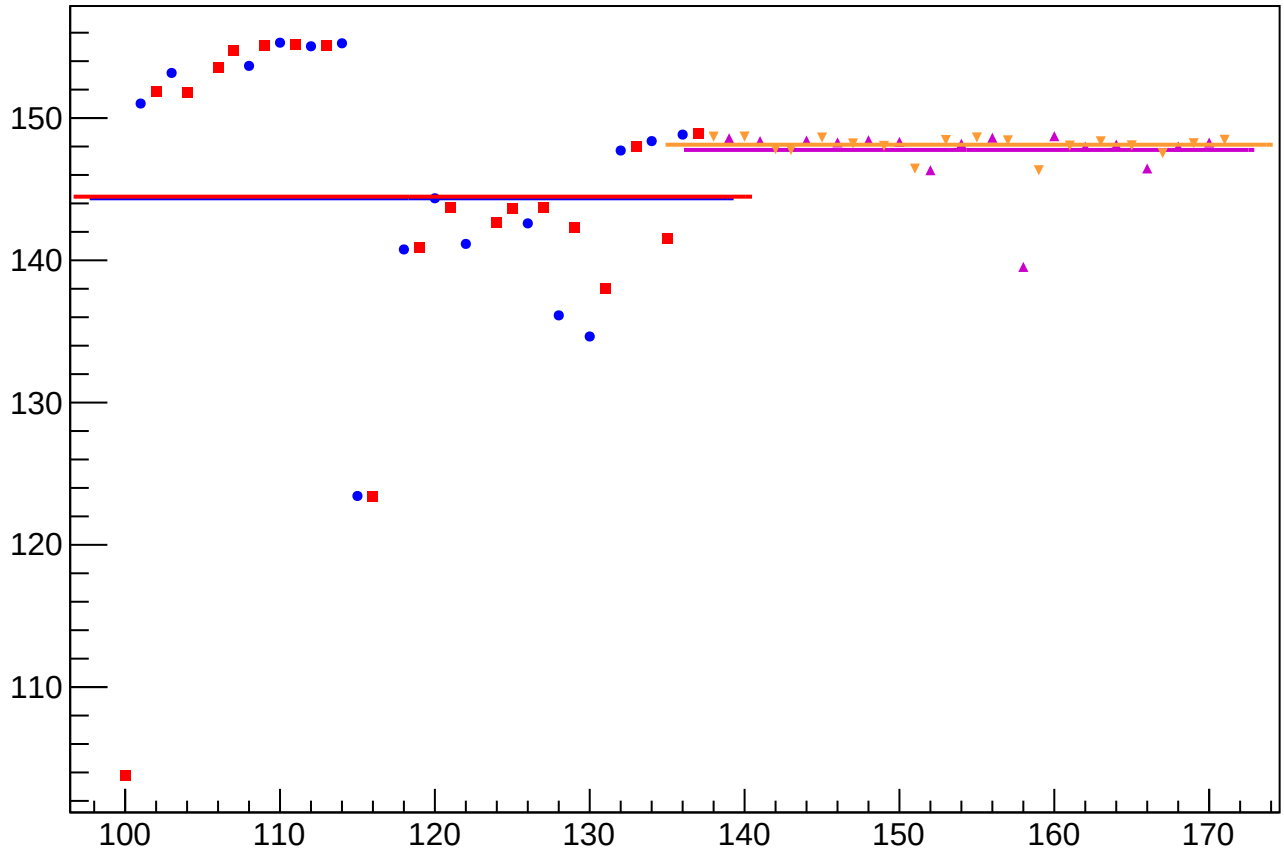
Left: 0.401+/-0.000 χ^2/NDF: 2593902.7/33

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.368+/-0.000 χ^2/NDF:2982011.3/31

Out: 0.368+/-0.000 χ^2/NDF:3095959.3/36

All: 0.368+/-0.000 χ^2/NDF: 6077992.6/68



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: 147.760+/-0.000 χ^2/NDF:294302931.9/15

Left: 147.954+/-0.000 χ^2/NDF: 333639443.5/33

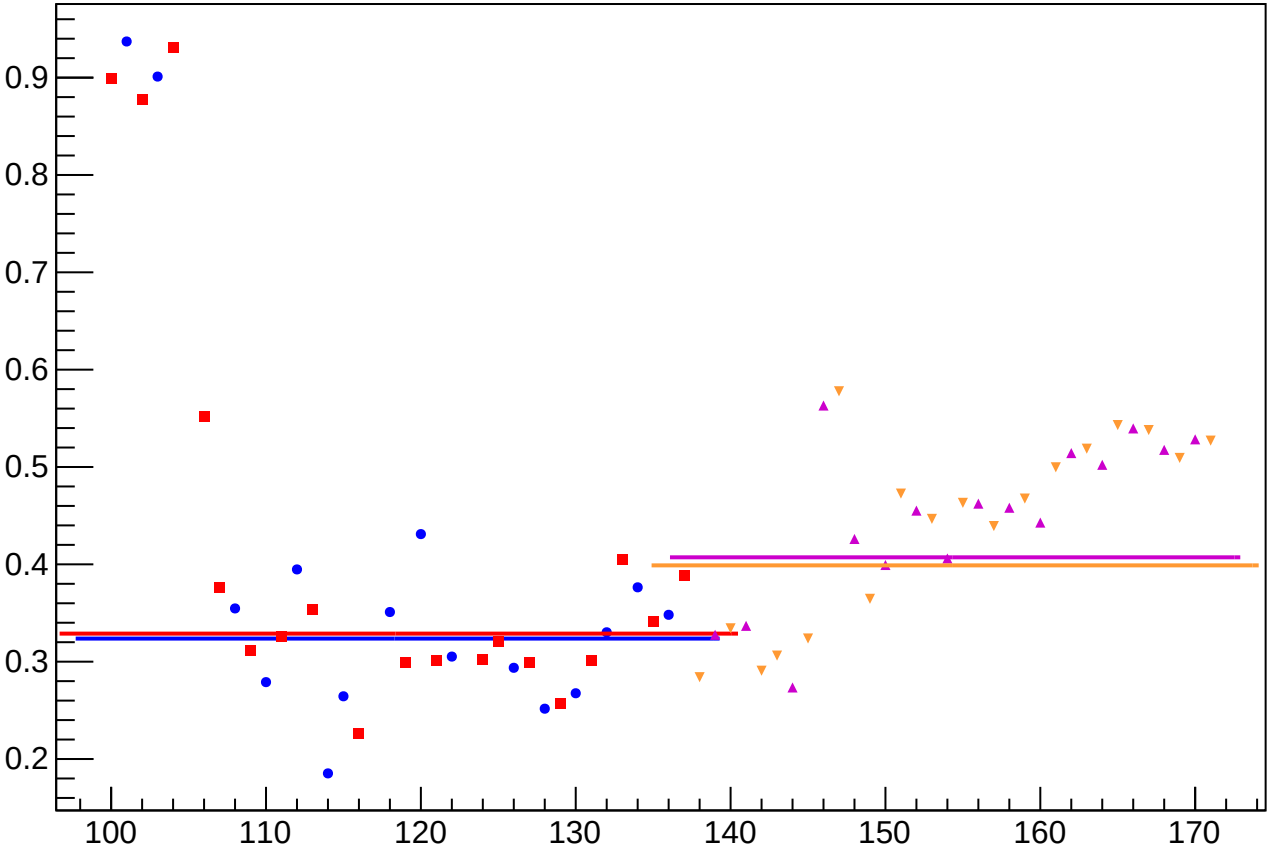
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.274+/-0.000 χ^2/NDF:4422382841.9/31

Out: 146.634+/-0.000 χ^2/NDF:4760769454.0/36

All: 146.459+/-0.000 χ^2/NDF: 9191836168.6

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: 0.407+/-0.000 χ^2/NDF:1127740.0/15

Left: 0.403+/-0.000 χ^2/NDF: 2590102.5/33

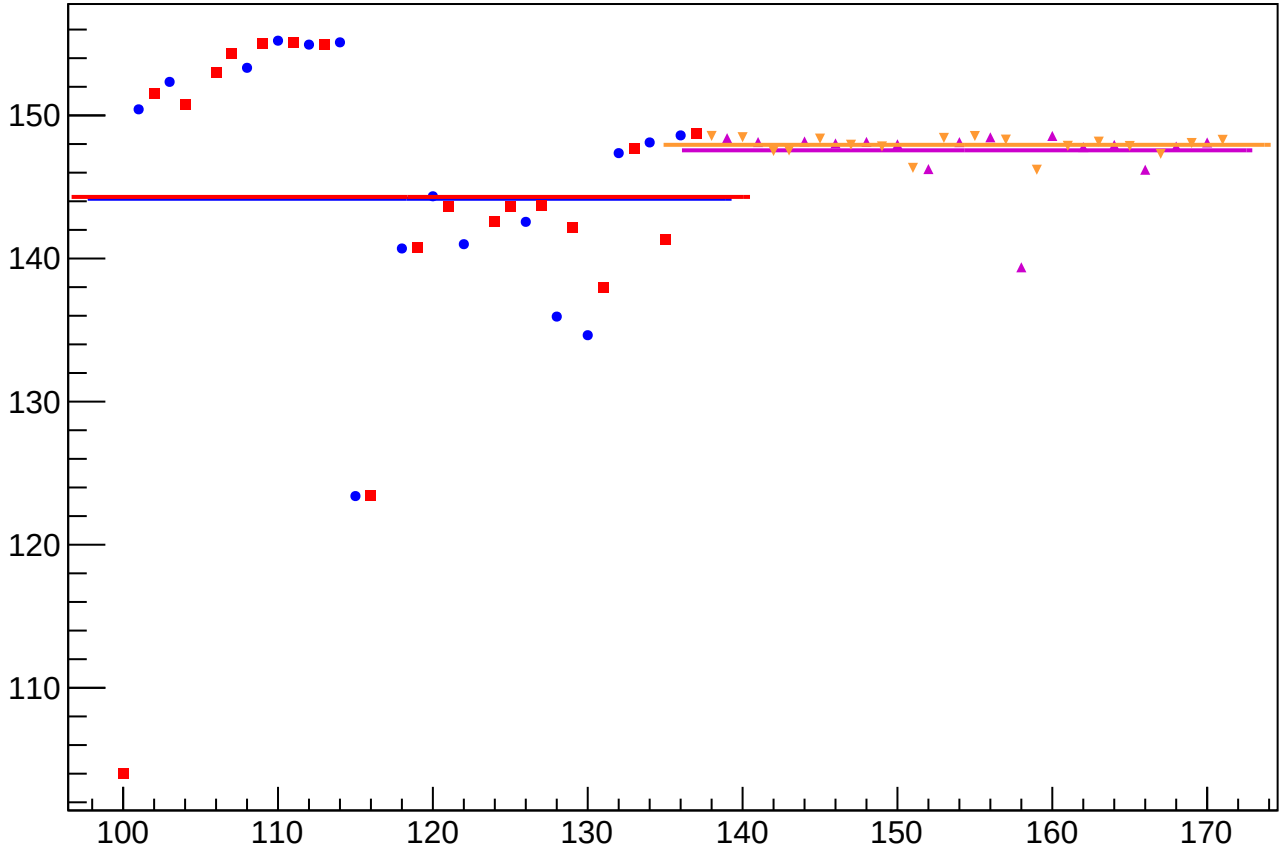
Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

In: 0.371+/-0.000 χ^2/NDF:2965826.6/31

Out: 0.370+/-0.000 χ^2/NDF:3087917.0/36

All: 0.370+/-0.000 χ^2/NDF: 6053768.4/68

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: 147.560+/-0.000 χ^2/NDF:289347277.7/15

Left: 147.763+/-0.000 χ^2/NDF: 329297765.8/33

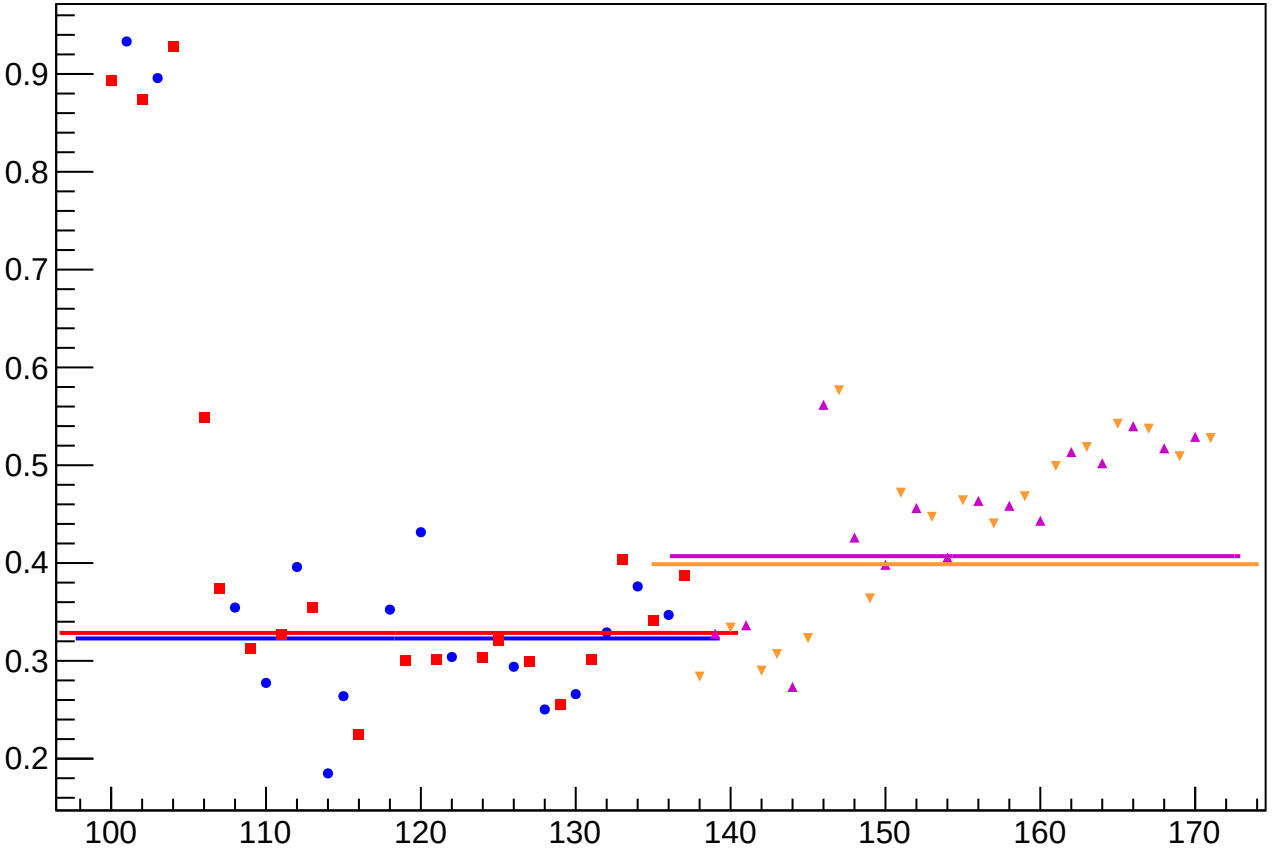
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.078+/-0.000 χ^2/NDF:4381369801.8/31

Out: 146.456+/-0.000 χ^2/NDF:4741048103.0/36

All: 146.272+/-0.000 χ^2/NDF: 9131999804.0

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: 0.407+/-0.000 χ^2/NDF:1131519.1/15

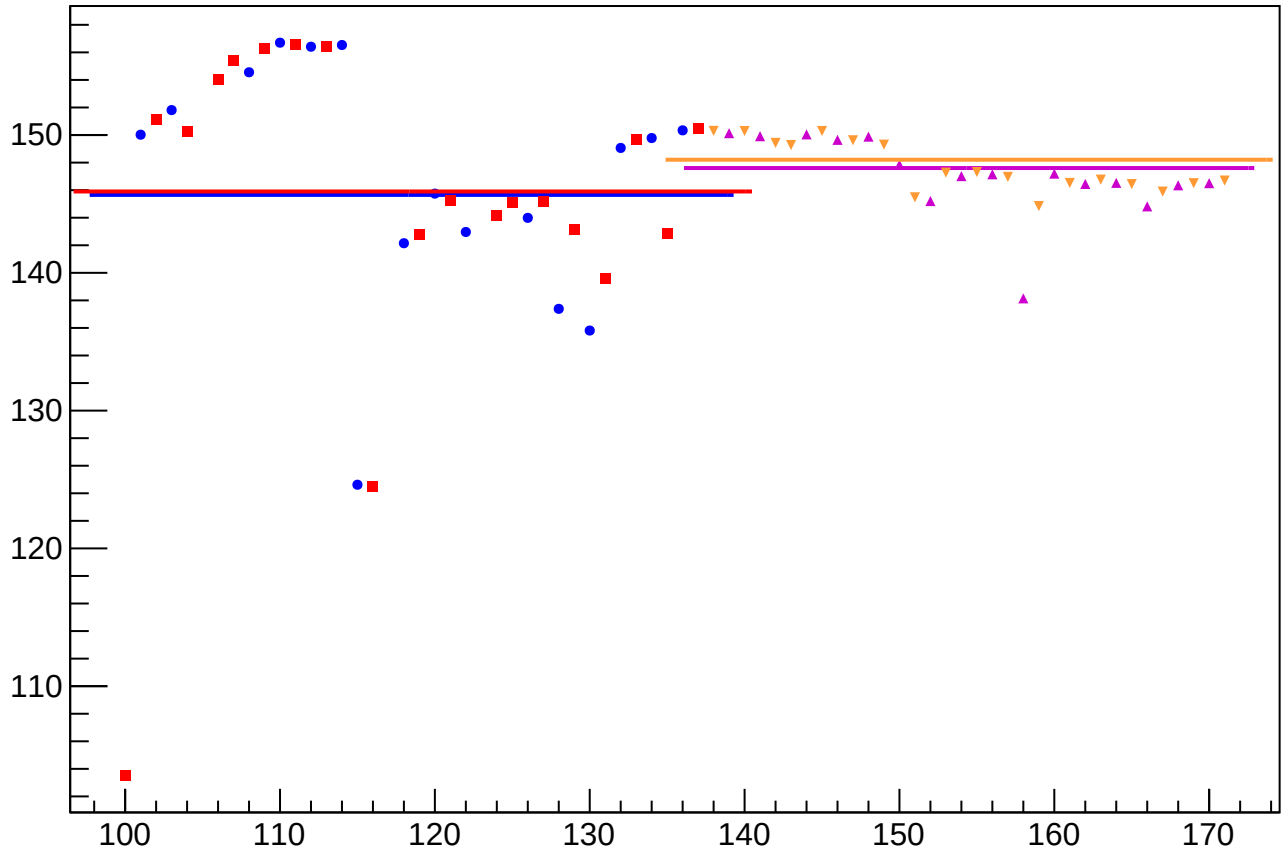
Left: 0.403+/-0.000 χ^2/NDF: 2596153.4/33

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.370+/-0.000 χ^2/NDF:2981368.0/31

Out: 0.370+/-0.000 χ^2/NDF:3092757.6/36

All: 0.370+/-0.000 χ^2/NDF: 6074126.7/68



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: 147.606+/-0.000 χ^2/NDF:555396900.4/15

Left: 147.922+/-0.000 χ^2/NDF: 816429738.1/33

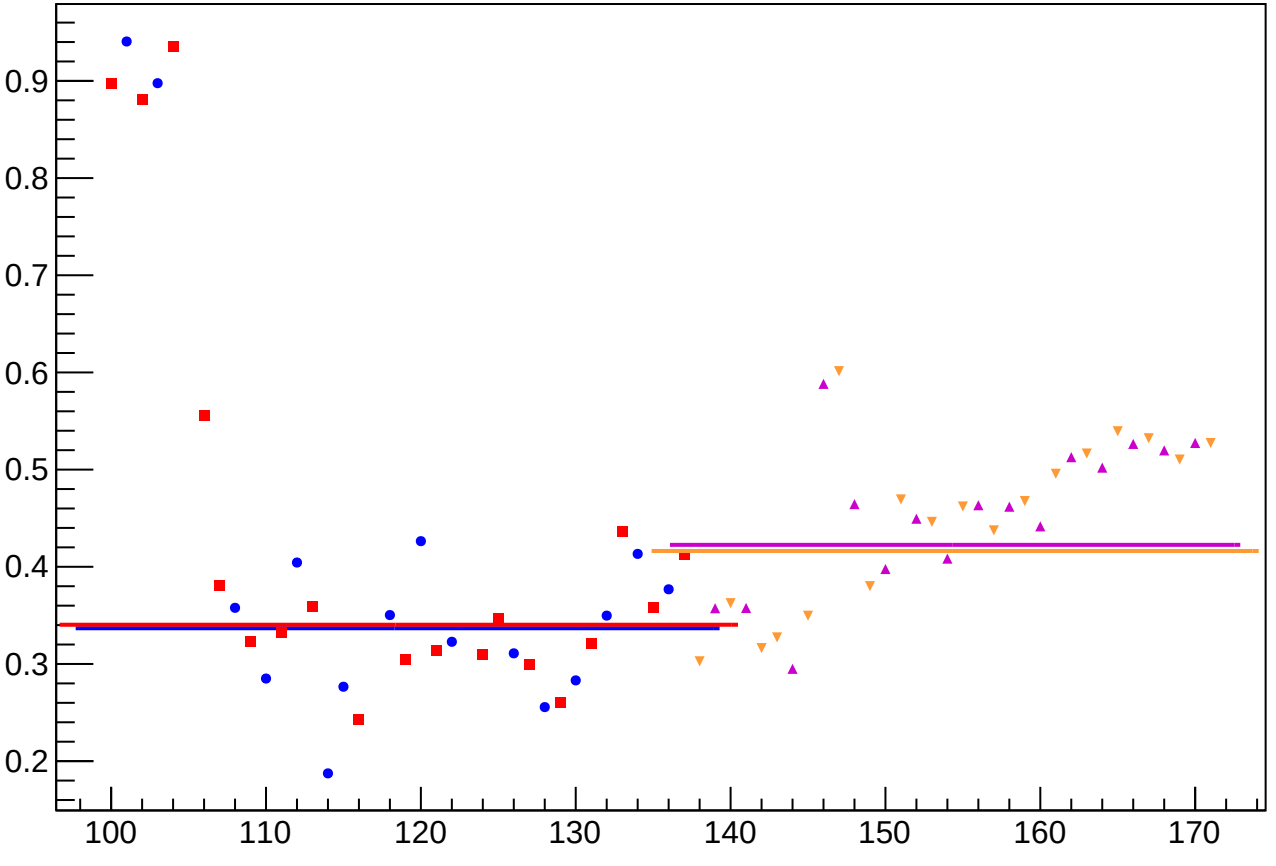
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.762+/-0.000 χ^2/NDF:4149817448.8/31

Out: 147.265+/-0.000 χ^2/NDF:4275771399.0/36

All: 147.020+/-0.000 χ^2/NDF: 8441345700.8

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: 0.423+/-0.000 χ^2/NDF:864121.9/15

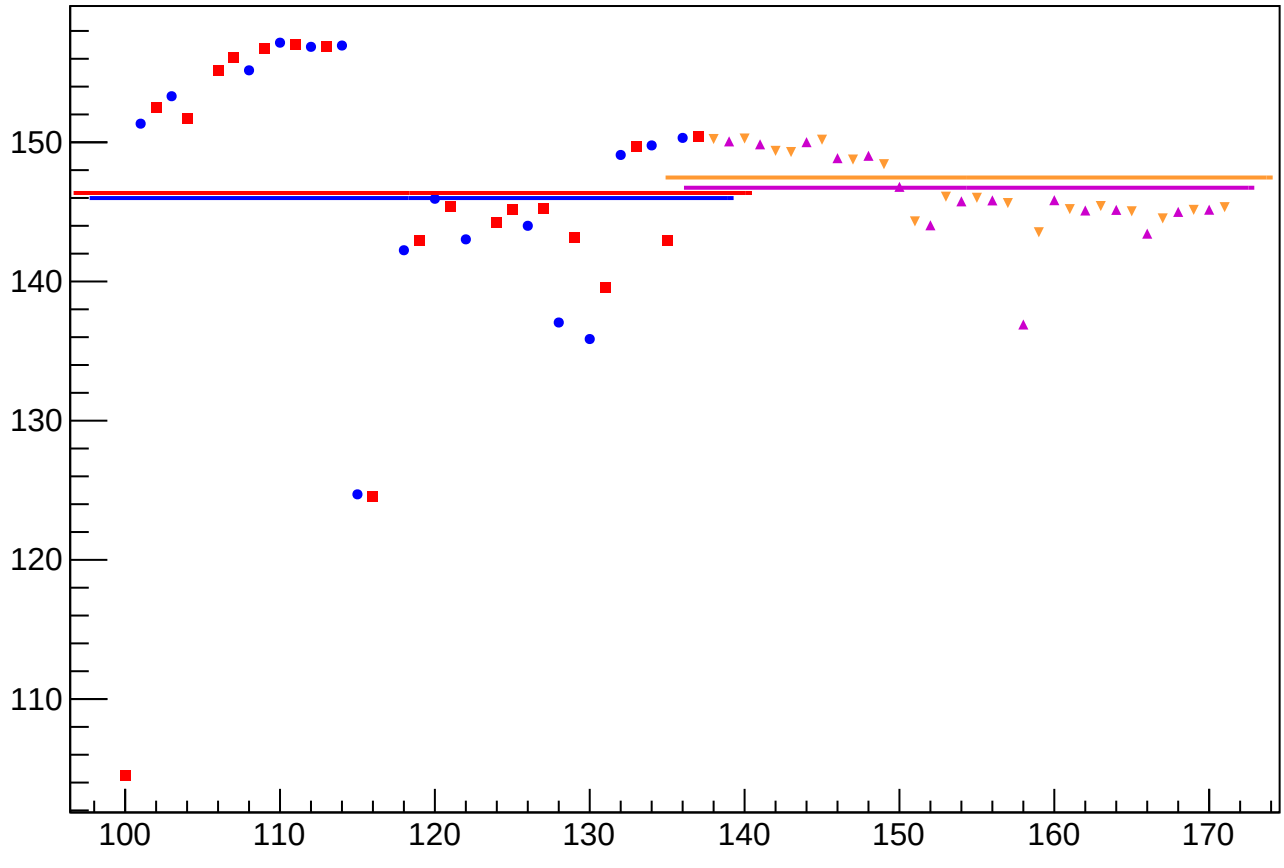
Left: 0.419+/-0.000 χ^2/NDF: 1953588.7/33

Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

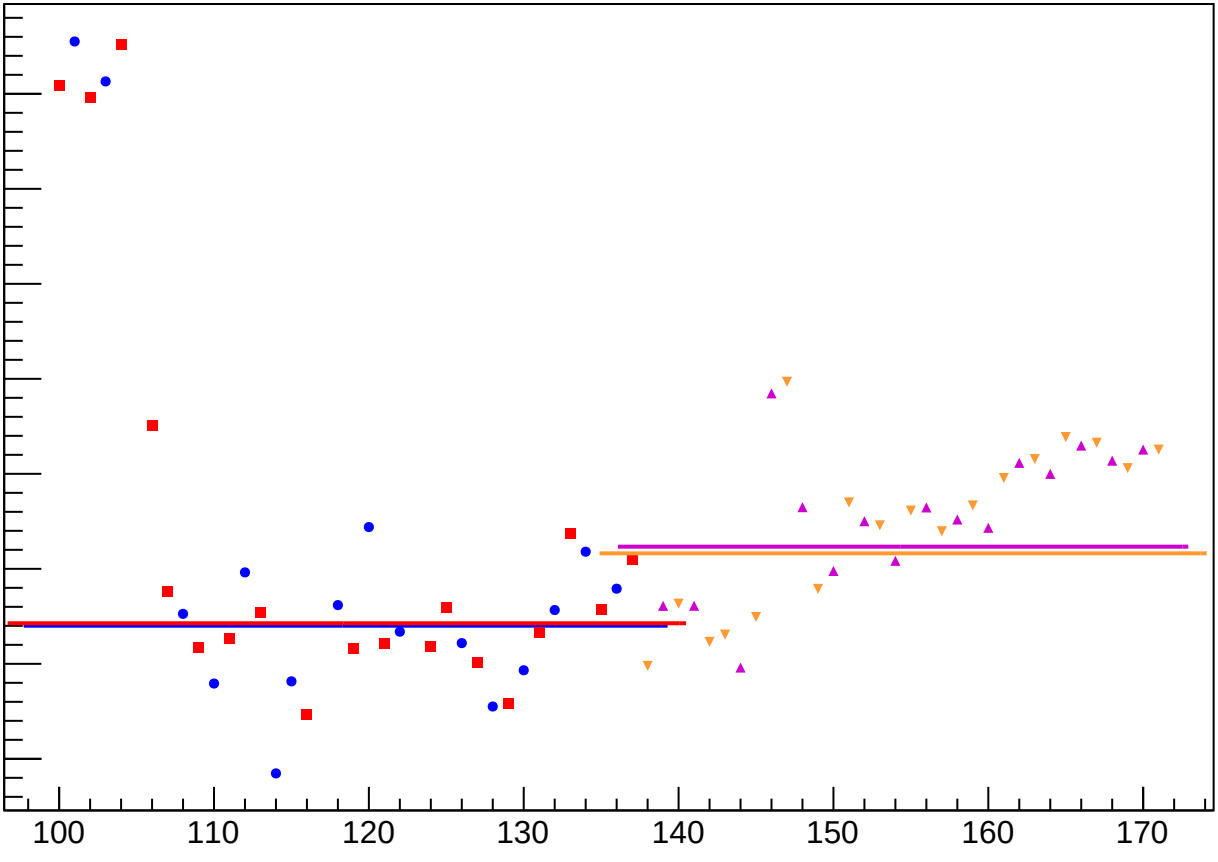
In: 0.385+/-0.000 χ^2/NDF:2672689.3/31

Out: 0.385+/-0.000 χ^2/NDF:2718656.3/36

All: 0.385+/-0.000 χ^2/NDF: 5391352.8/68


yield_bcm_dg_ds_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
Right In: 145.993+/-0.000 χ²/NDF: 3621634656.4/15
Left Out: 147.470+/-0.000 χ²/NDF:421026170.6/17
Right Out: 146.358+/-0.000 χ²/NDF: 3963122316.1/18
Left In: 146.735+/-0.000 χ²/NDF:735710303.0/15
Left: 147.120+/-0.000 χ²/NDF: 1176151940.3/33
Right: 146.176+/-0.000 χ²/NDF: 7588198619.6/34
In: 146.417+/-0.000 χ²/NDF:4373464403.4/31
Out: 147.018+/-0.000 χ²/NDF:4422087377.0/36
All: 146.727+/-0.000 χ²/NDF: 8817856281.8

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: 0.423+/-0.000 χ^2/NDF:825185.6/15

Left: 0.420+/-0.000 χ^2/NDF: 1902460.7/33

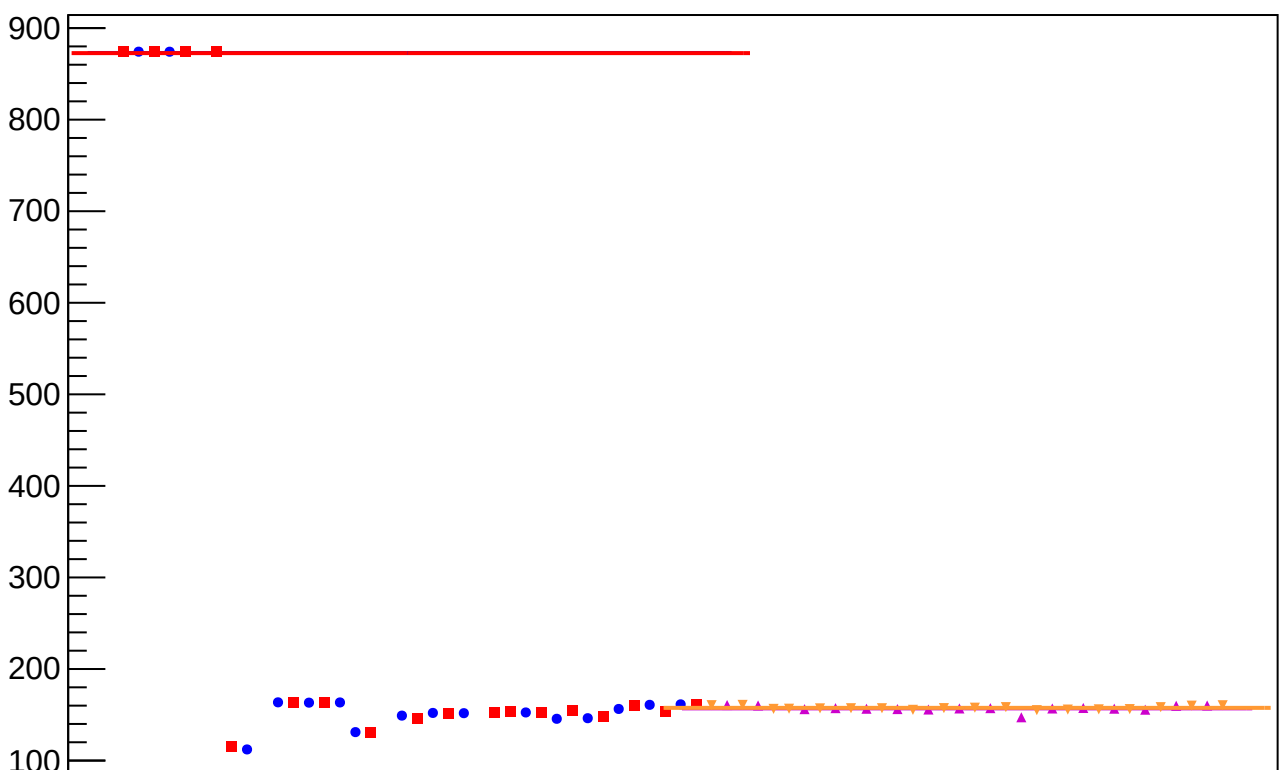
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.388+/-0.000 χ^2/NDF:2623878.4/31

Out: 0.386+/-0.000 χ^2/NDF:2677299.0/36

All: 0.387+/-0.000 χ^2/NDF: 5301389.0/68

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: 157.006+/-0.000 χ^2/NDF:197713974.4/15

Left: 157.299+/-0.000 χ^2/NDF: 290137061.2/33

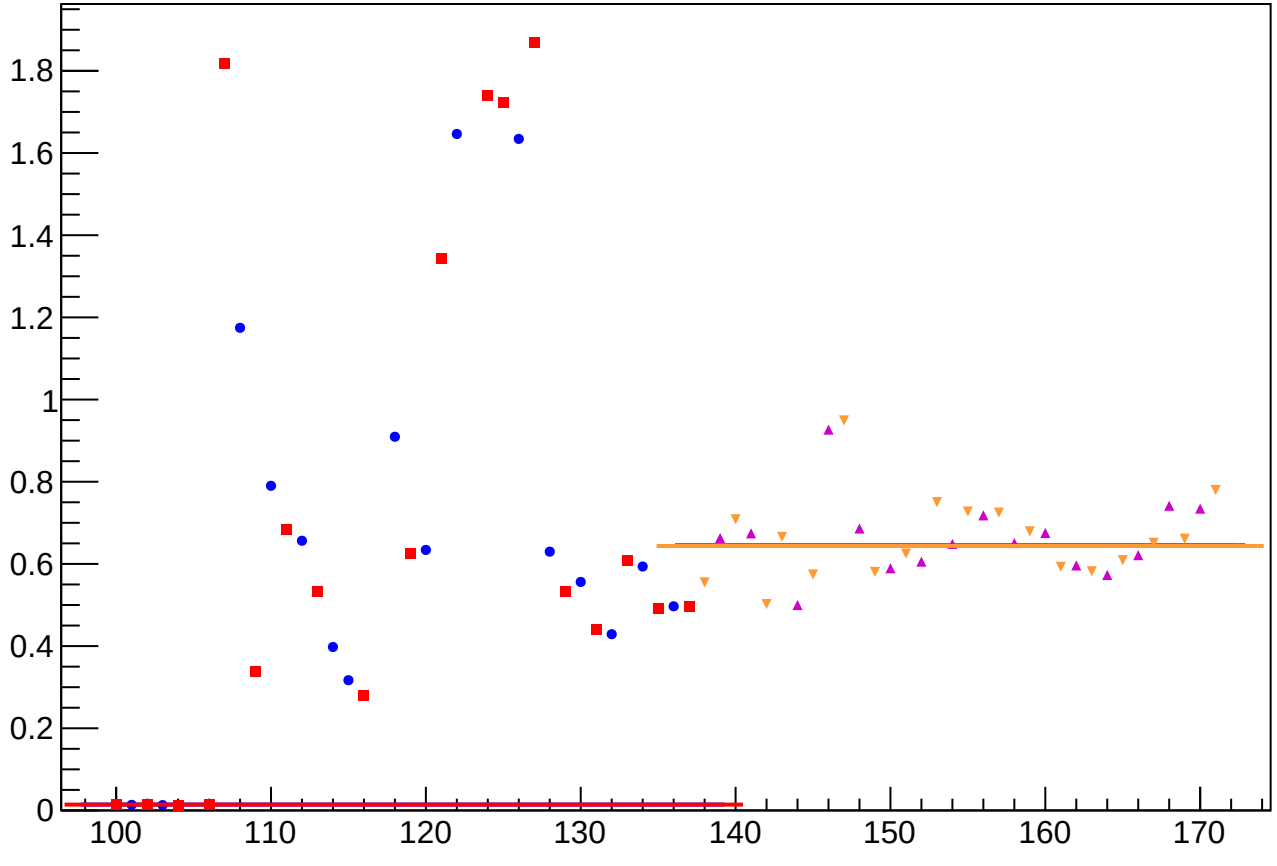
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.472+/-0.000 χ^2/NDF:19175806946737.1/3

Out: 870.459+/-0.000 χ^2/NDF:22178240478012.9

All: 870.465+/-0.000 χ^2/NDF: 413540480406

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: 0.646+/-0.000 χ^2/NDF:301599.9/15

Left: 0.645+/-0.000 χ^2/NDF: 656070.0/33

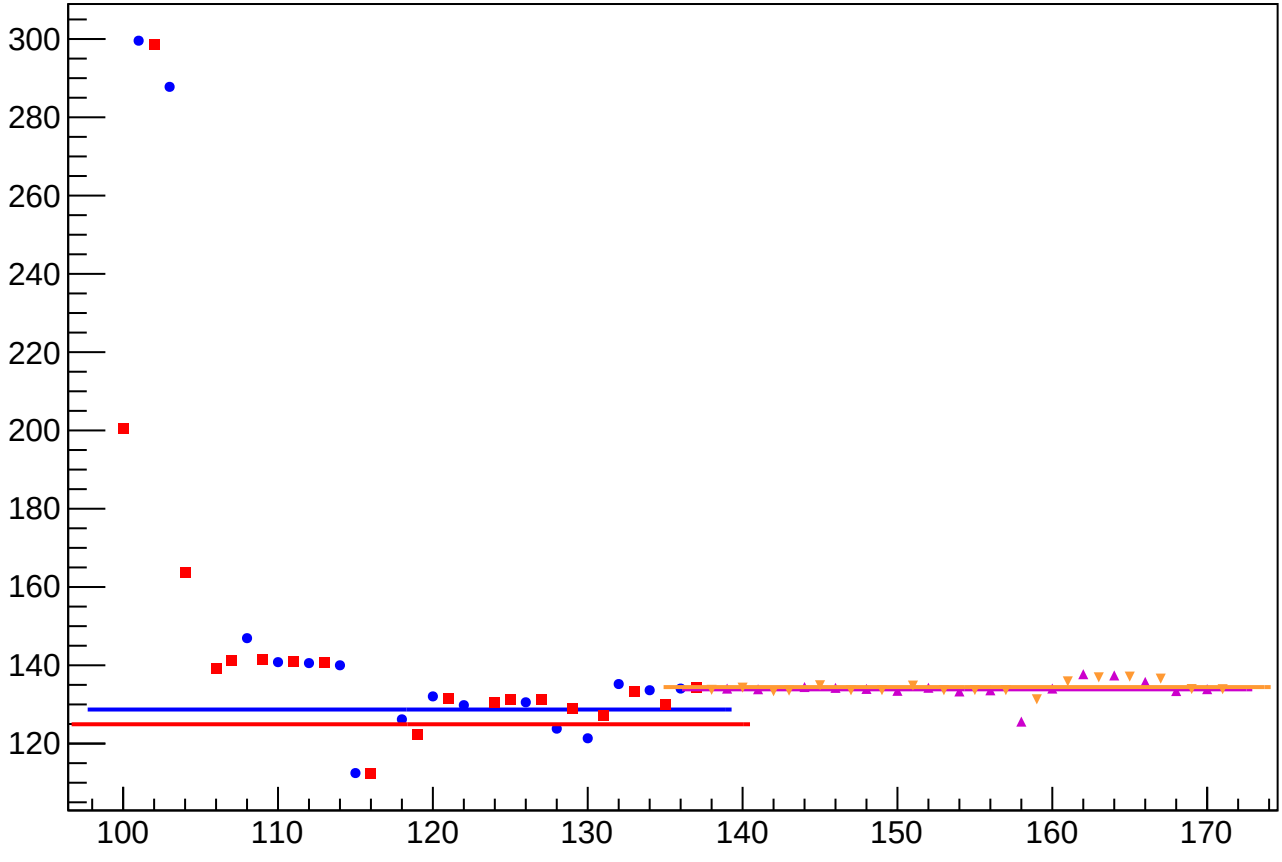
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.016+/-0.000 χ^2/NDF:28560270.5/31

Out: 0.016+/-0.000 χ^2/NDF:29927004.5/36

All: 0.016+/-0.000 χ^2/NDF: 58487800.5/68

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: 133.859+/-0.000 χ^2/NDF:367723403.5/15

Left: 134.163+/-0.000 χ^2/NDF: 492505394.5/33

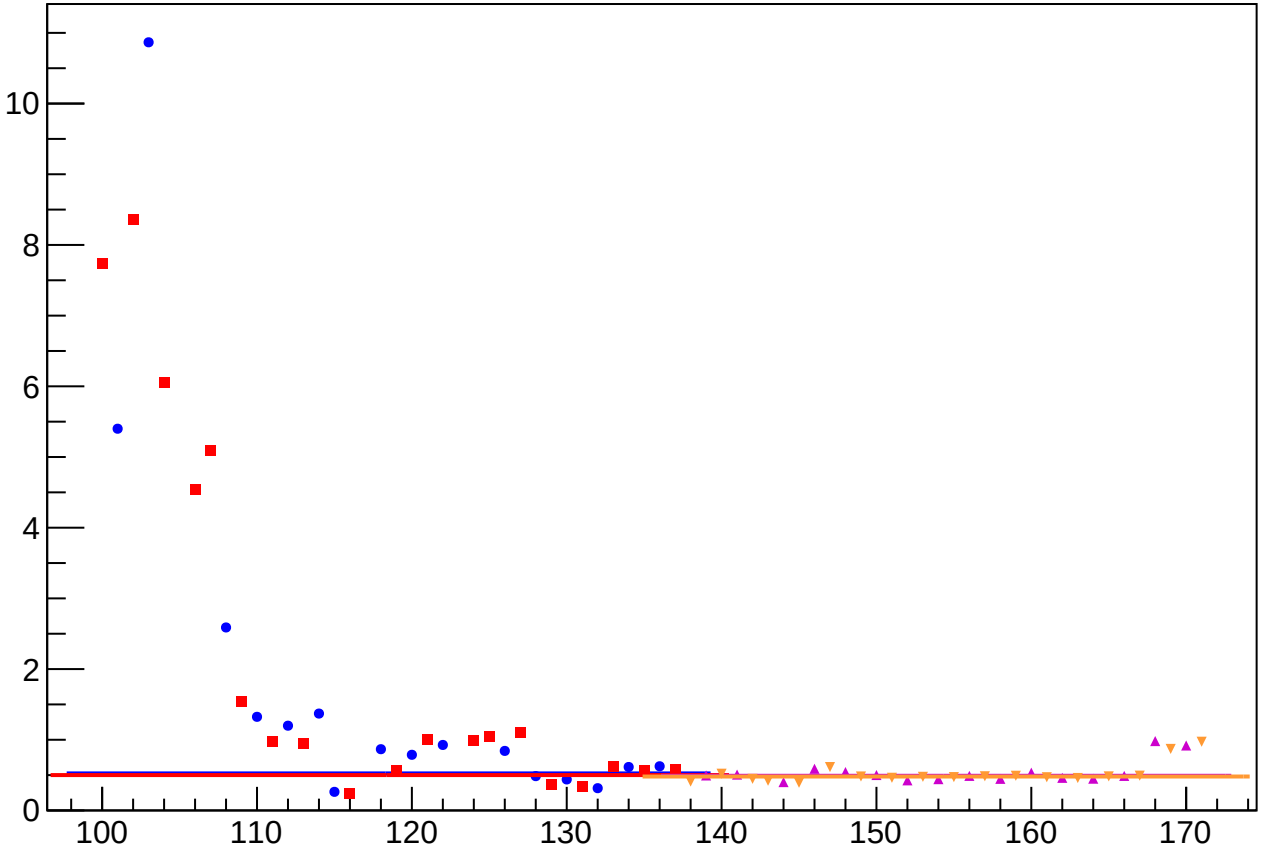
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.713+/-0.000 χ^2/NDF:2300517640.2/31

Out: 132.439+/-0.000 χ^2/NDF:2514347582.3/36

All: 132.569+/-0.000 χ^2/NDF: 4817244703.8

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: 0.490+/-0.000 χ^2/NDF:923591.6/15

Left: 0.485+/-0.000 χ^2/NDF: 1791484.0/33

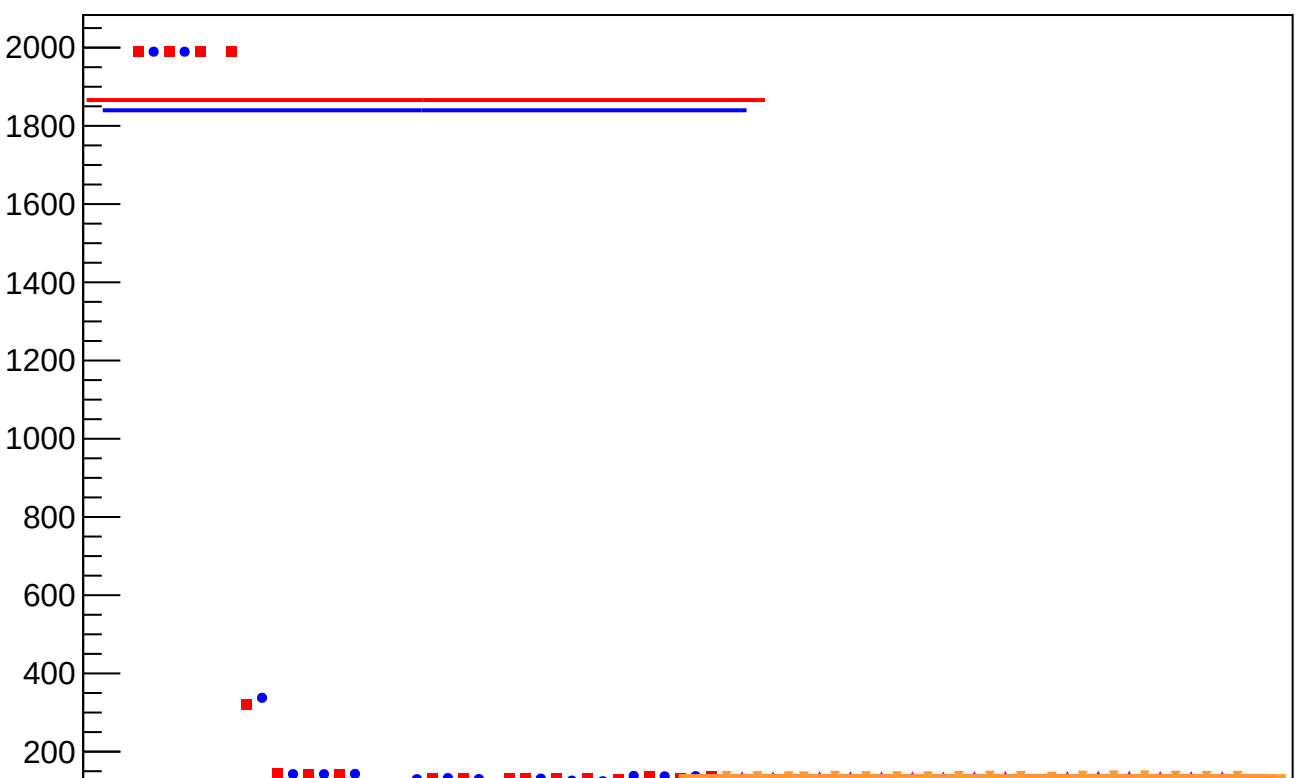
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.498+/-0.000 χ^2/NDF:5085571.0/31

Out: 0.484+/-0.000 χ^2/NDF:5756040.0/36

All: 0.491+/-0.000 χ^2/NDF: 10853079.8/68

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: 137.228+/-0.000 χ^2/NDF:227762351.5/15

Left: 137.370+/-0.000 χ^2/NDF: 289573845.4/33

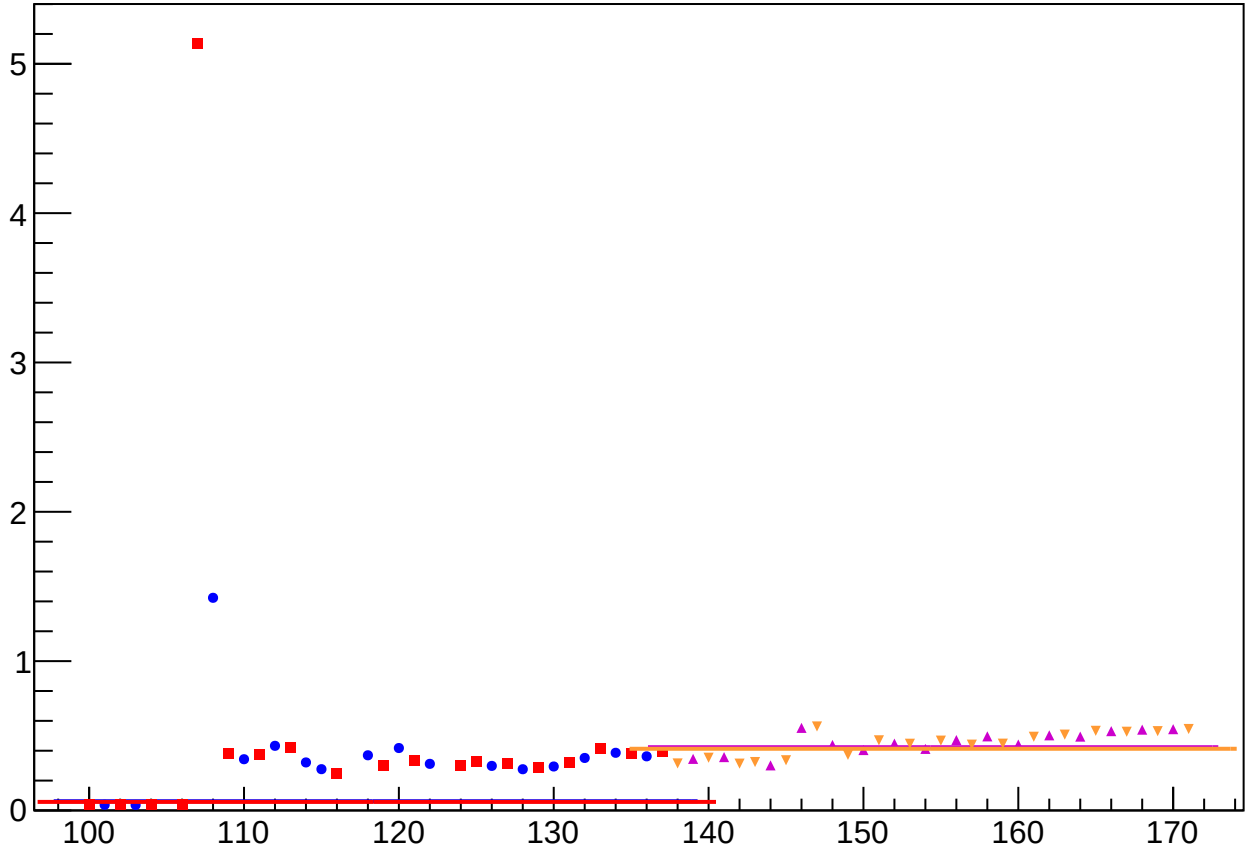
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1656.921+/-0.000 χ^2/NDF:323475916220118.

Out: 1685.996+/-0.000 χ^2/NDF:34992374358656

All: 1672.557+/-0.000 χ^2/NDF: 6736901197

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: 0.424+/-0.000 χ^2/NDF:853042.4/15

Left: 0.418+/-0.000 χ^2/NDF: 1943397.1/33

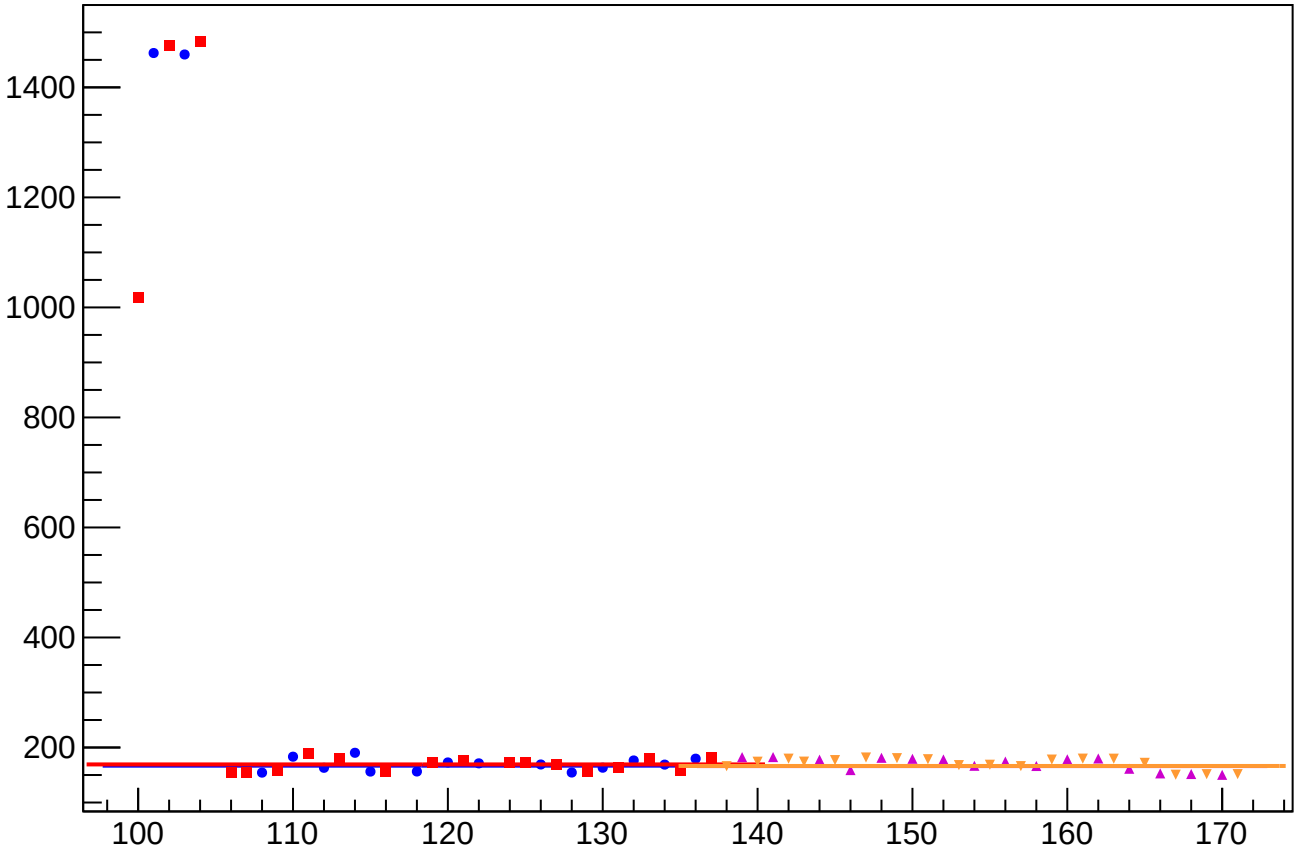
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.101+/-0.000 χ^2/NDF:25069487.7/31

Out: 0.094+/-0.000 χ^2/NDF:26380342.1/36

All: 0.097+/-0.000 χ^2/NDF: 51477140.5/68

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: 166.259+/-0.000 χ^2/NDF:2208196684.7/15

Left: 166.349+/-0.000 χ^2/NDF: 4384087190.5/33

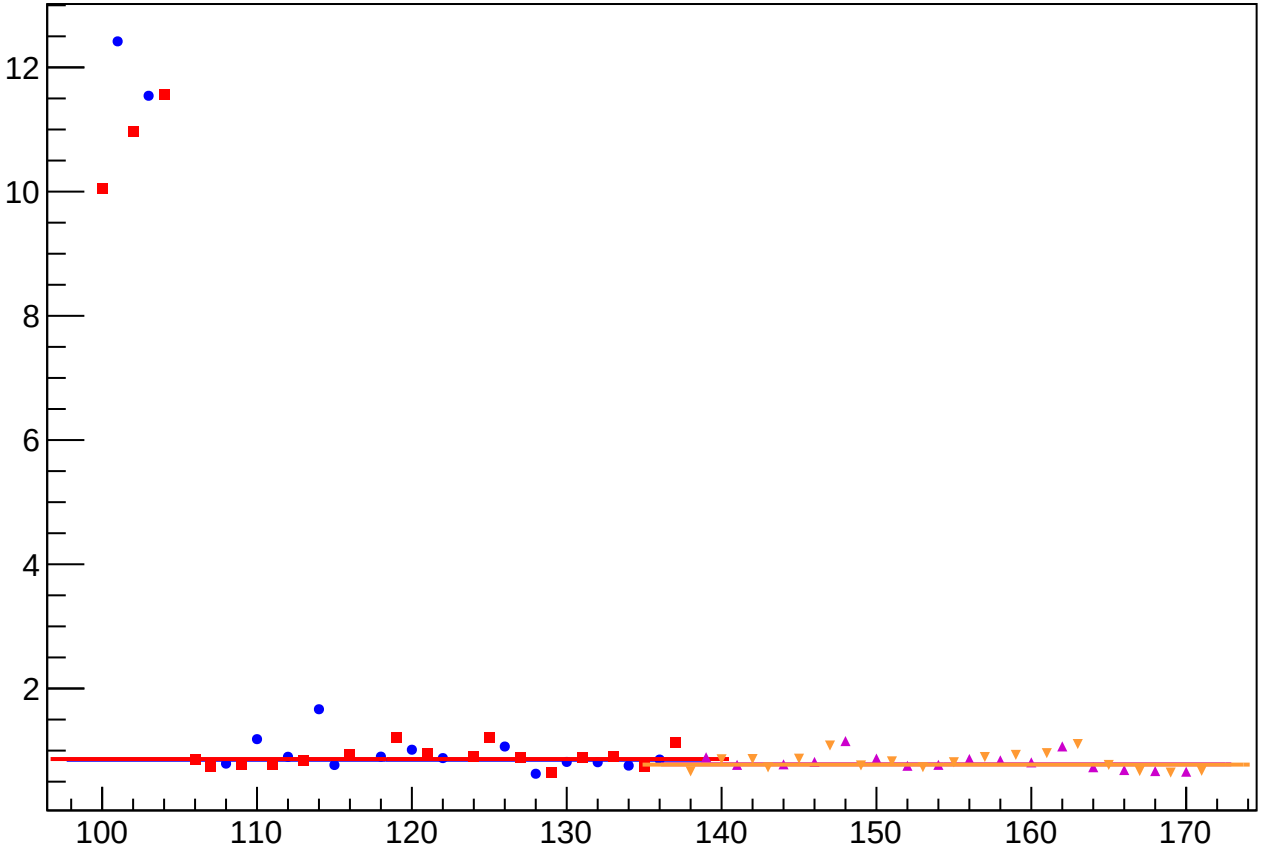
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 166.462+/-0.000 χ^2/NDF:16825402642.9/31

Out: 167.154+/-0.000 χ^2/NDF:18525594169.9/36

All: 166.821+/-0.000 χ^2/NDF: 35355910308.

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: 0.780+/-0.000 χ^2/NDF:367139.7/15

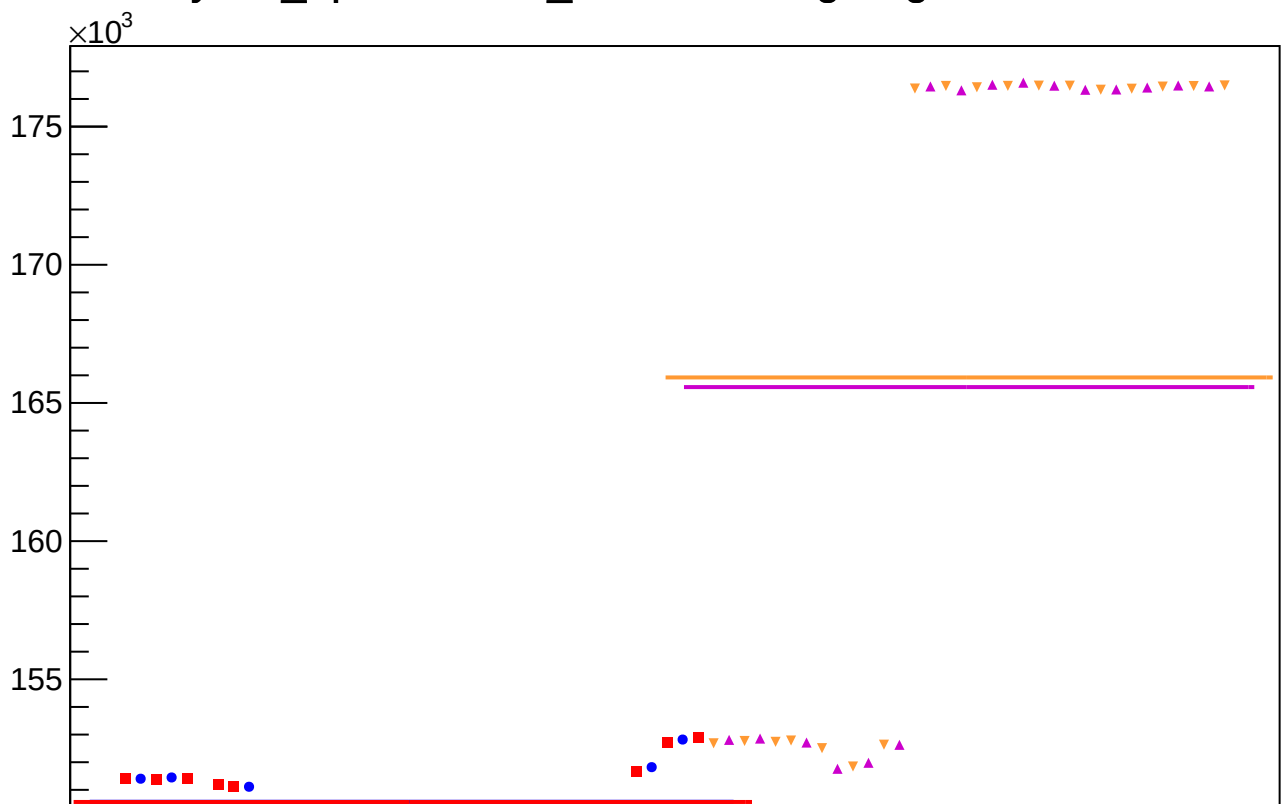
Left: 0.777+/-0.000 χ^2/NDF: 838028.3/33

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

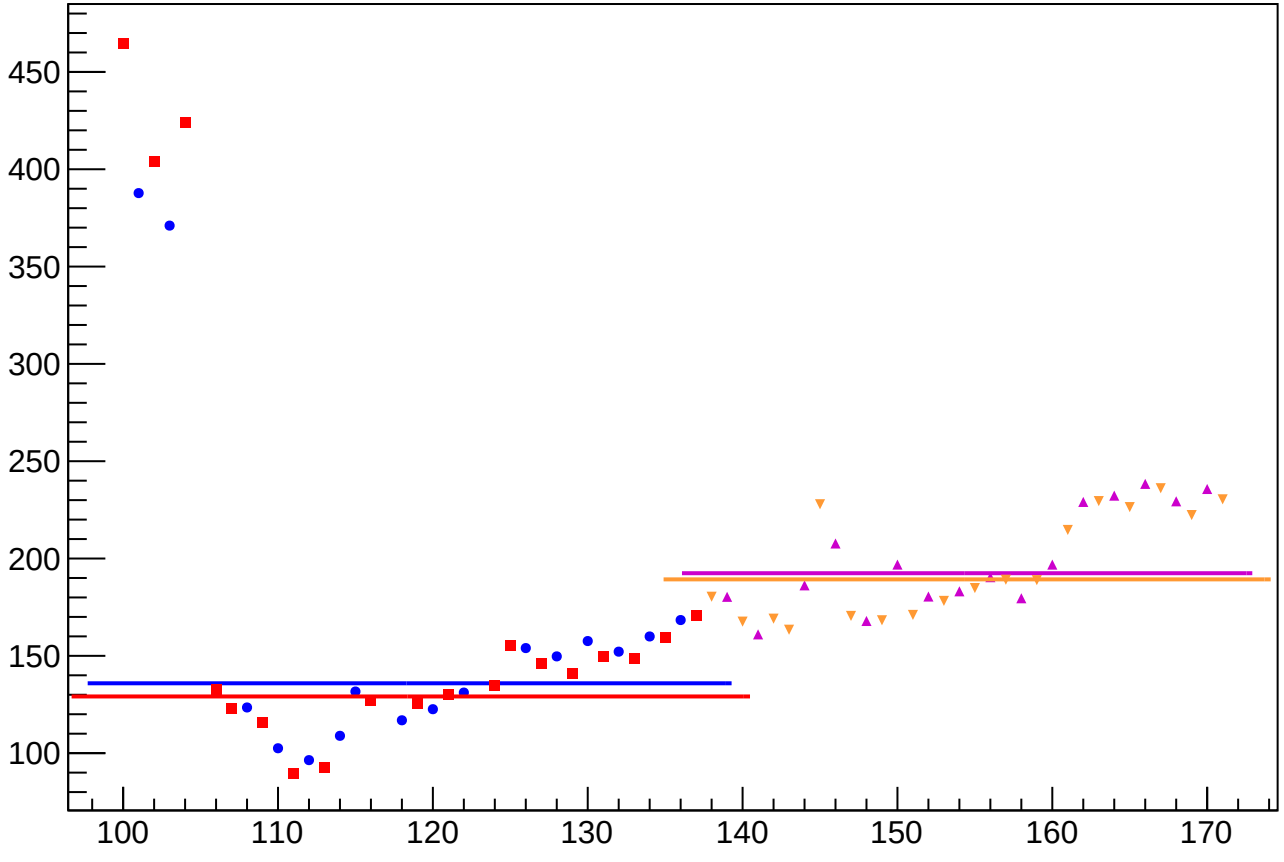
In: 0.799+/-0.000 χ^2/NDF:2711175.1/31

Out: 0.798+/-0.000 χ^2/NDF:2744951.8/36

All: 0.798+/-0.000 χ^2/NDF: 5456185.6/68


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 165923.347+/-0.051 χ²/NDF:54281523083.6/17
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 165574.255+/-0.054 χ²/NDF:49432437926.3/15
Left: 165758.053+/-0.037 χ²/NDF: 103736236048.
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 158201.779+/-0.038 χ²/NDF:88075961683.3/3
Out: 158255.355+/-0.036 χ²/NDF:99951020381.3
All: 158230.195+/-0.026 χ²/NDF: 18802802

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: 192.456+/-0.038 χ^2/NDF:361382.9/15

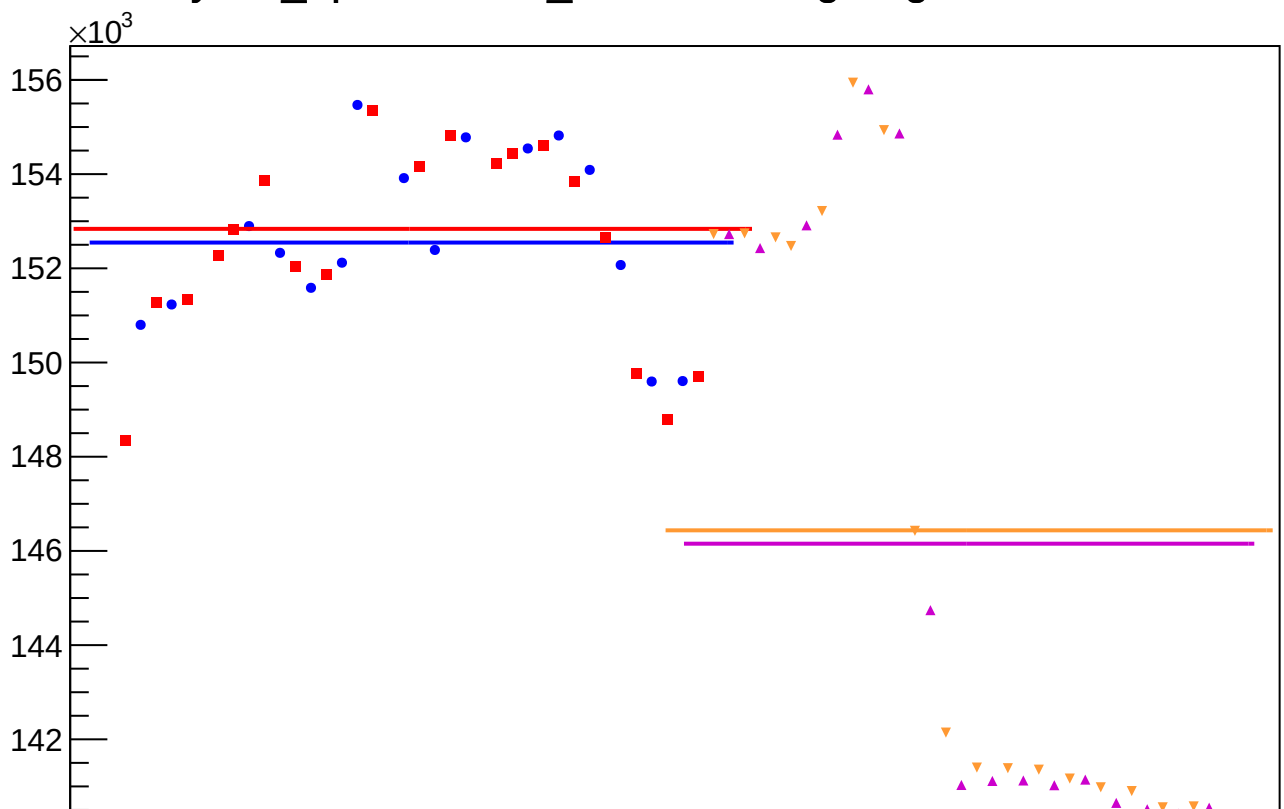
Left: 190.787+/-0.026 χ^2/NDF: 824200.2/33

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 164.667+/-0.027 χ^2/NDF:2868993.8/31

Out: 159.259+/-0.025 χ^2/NDF:3468042.4/36

All: 161.798+/-0.019 χ^2/NDF: 6358213.0/68



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: 146153.524+/-0.058 χ^2/NDF:11144694238.0/15

Left: 146301.804+/-0.040 χ^2/NDF: 22568038236.3

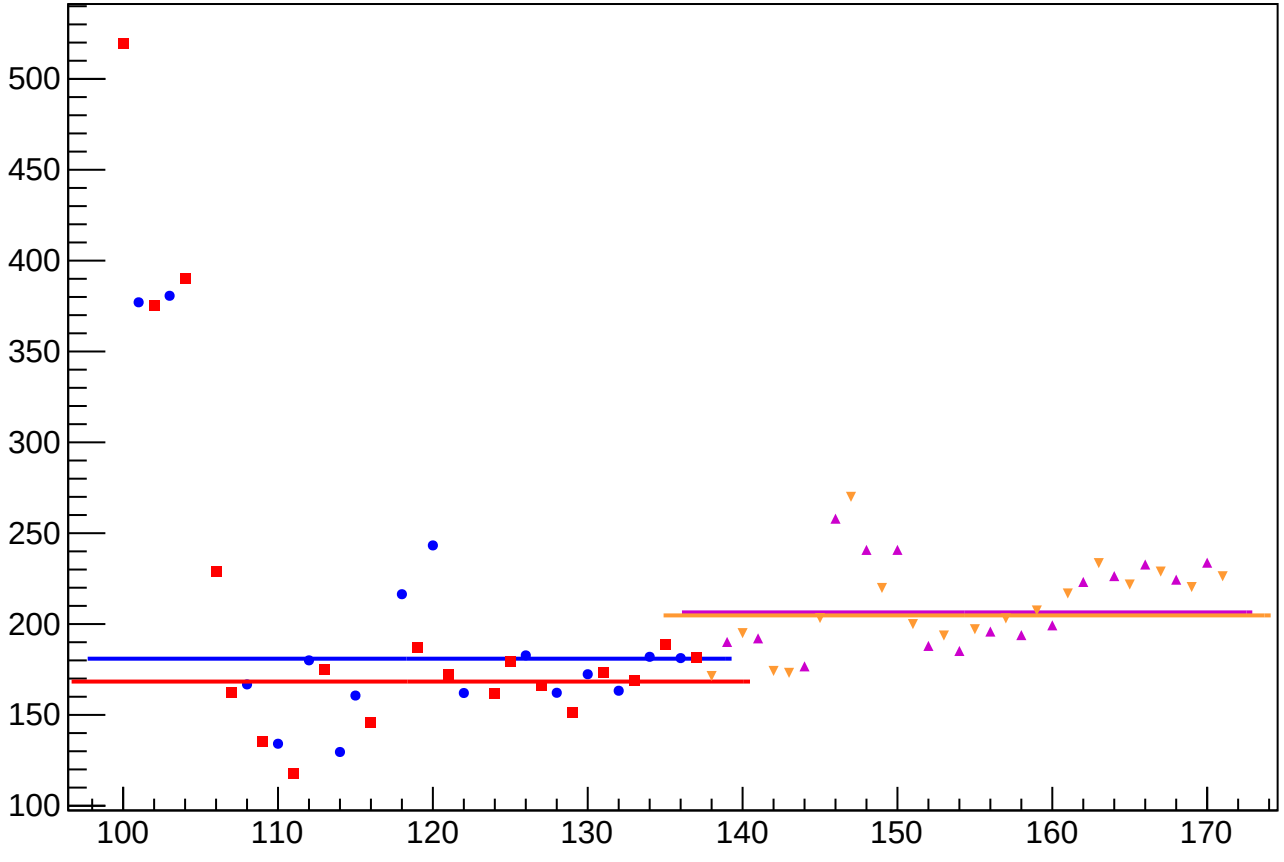
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 148625.949+/-0.045 χ^2/NDF:16553304013.8/3

Out: 149034.192+/-0.042 χ^2/NDF:17626692464.3

All: 148842.619+/-0.031 χ^2/NDF: 342233745

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: 206.416+/-0.041 χ^2/NDF:329681.2/15

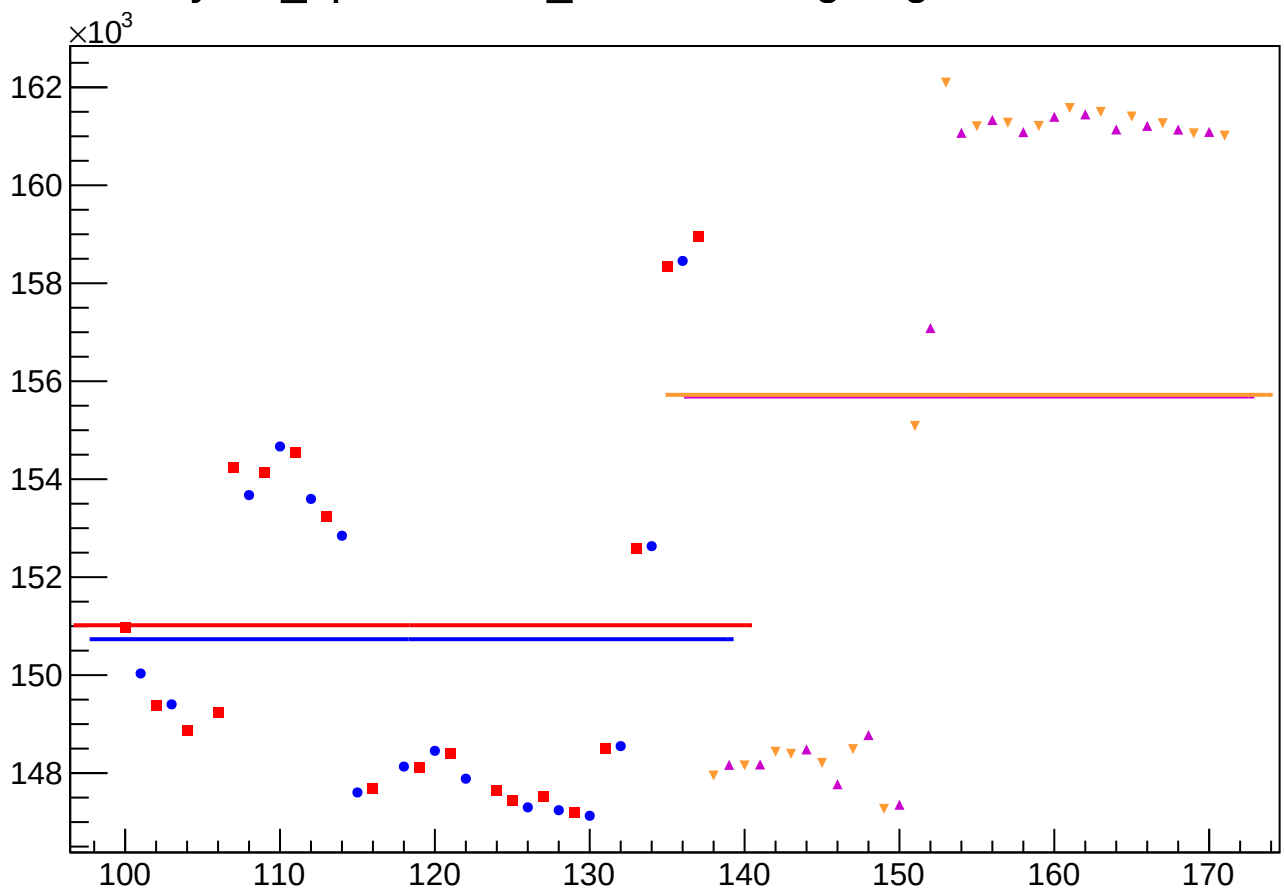
Left: 205.550+/-0.028 χ^2/NDF: 661453.6/33

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 196.564+/-0.032 χ^2/NDF:1388432.1/31

Out: 189.986+/-0.030 χ^2/NDF:1774577.5/36

All: 193.073+/-0.022 χ^2/NDF: 3185531.0/68



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: 155687.409+/-0.056 χ^2/NDF:12214265191.9/15

Left: 155705.832+/-0.039 χ^2/NDF: 26345197796.7

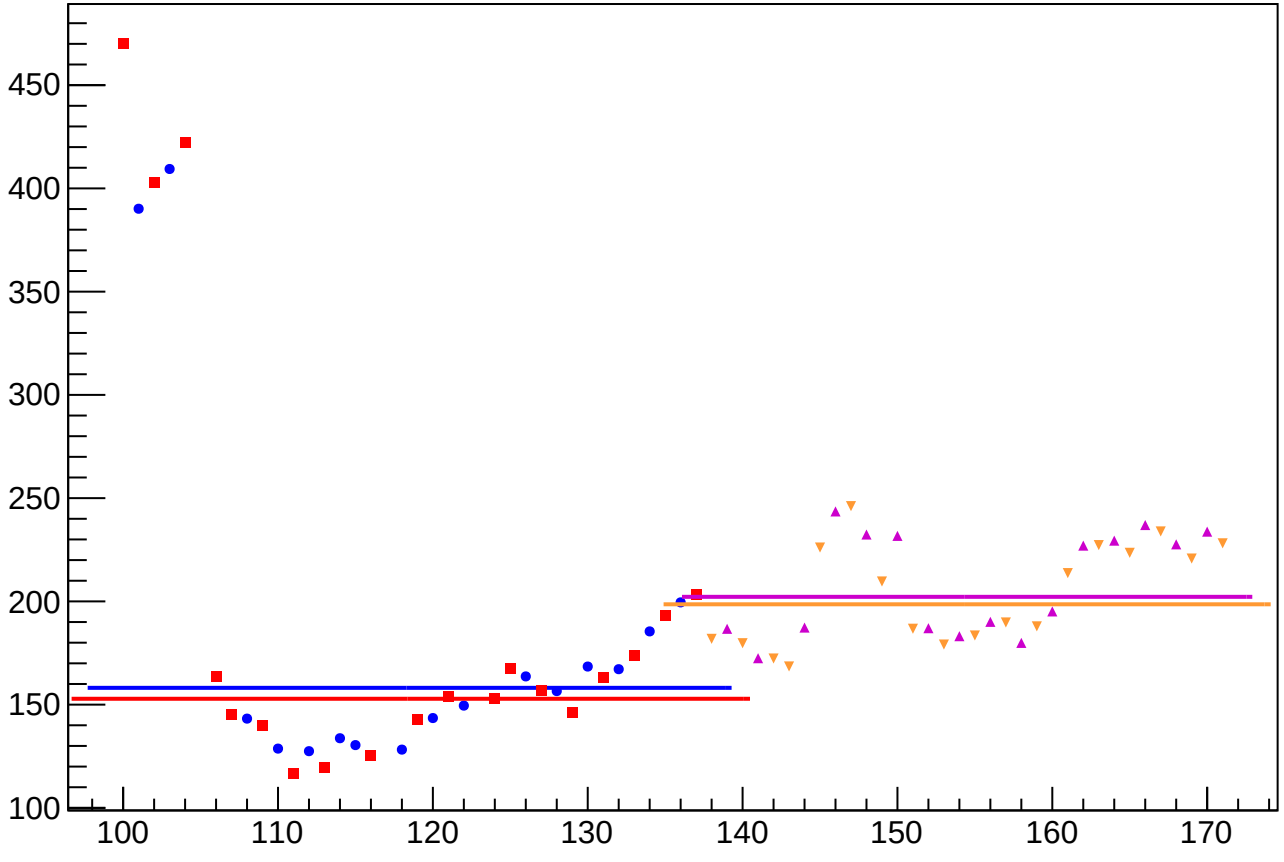
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153479.742+/-0.042 χ^2/NDF:18937275455.3/3

Out: 153648.550+/-0.040 χ^2/NDF:20846950477.4

All: 153568.499+/-0.029 χ^2/NDF: 39792724

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: 202.210+/-0.040 χ^2/NDF:358826.0/15

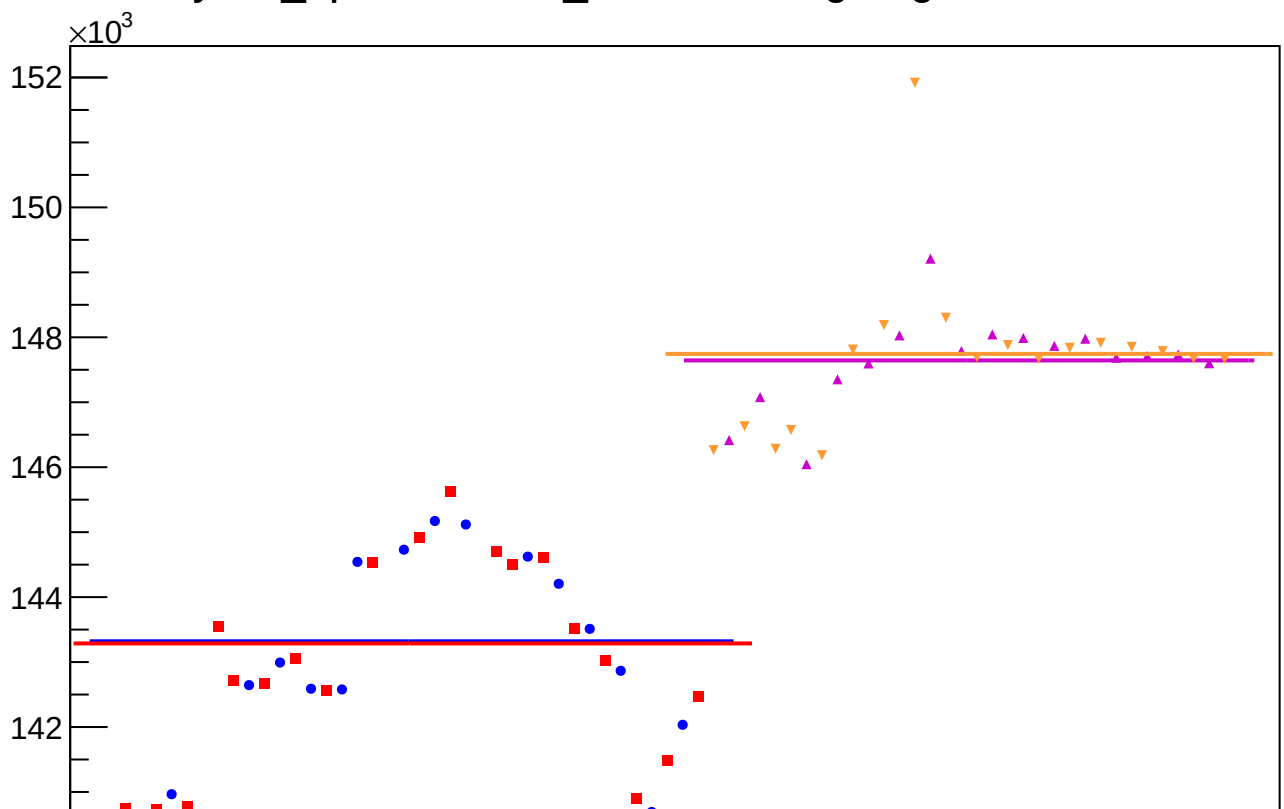
Left: 200.300+/-0.027 χ^2/NDF: 730011.1/33

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 182.570+/-0.030 χ^2/NDF:2098876.2/31

Out: 178.422+/-0.028 χ^2/NDF:2280080.4/36

All: 180.389+/-0.020 χ^2/NDF: 4389219.8/68



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147744.373+/-0.050 χ^2/NDF:670710696.4/17

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147644.078+/-0.053 χ^2/NDF:199474854.2/15

Left: 147696.960+/-0.036 χ^2/NDF: 872100530.3/33

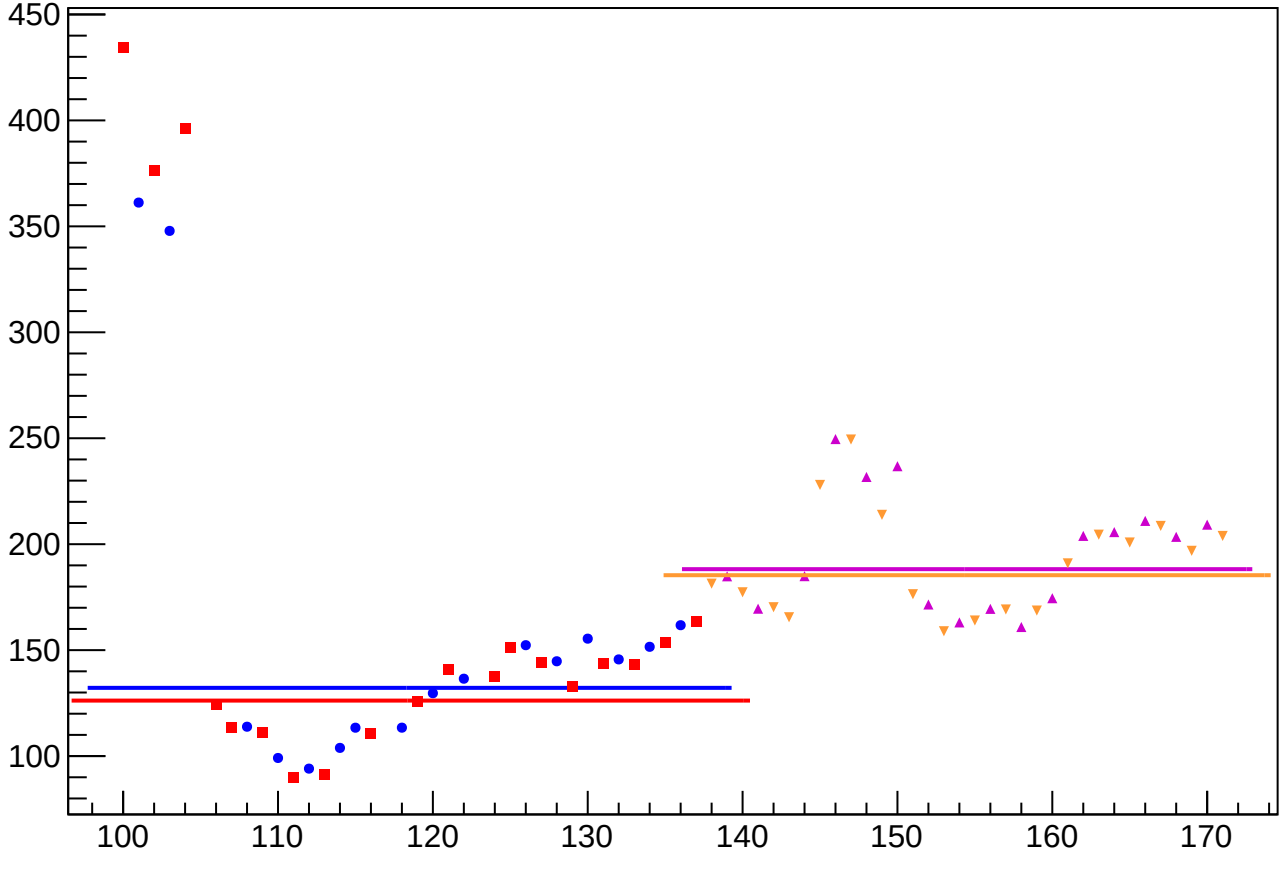
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145502.185+/-0.037 χ^2/NDF:4103061713.7/31

Out: 145510.089+/-0.035 χ^2/NDF:5301887008.4/3

All: 145506.376+/-0.026 χ^2/NDF: 94049724

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: 188.218+/-0.037 χ^2/NDF:454755.1/15

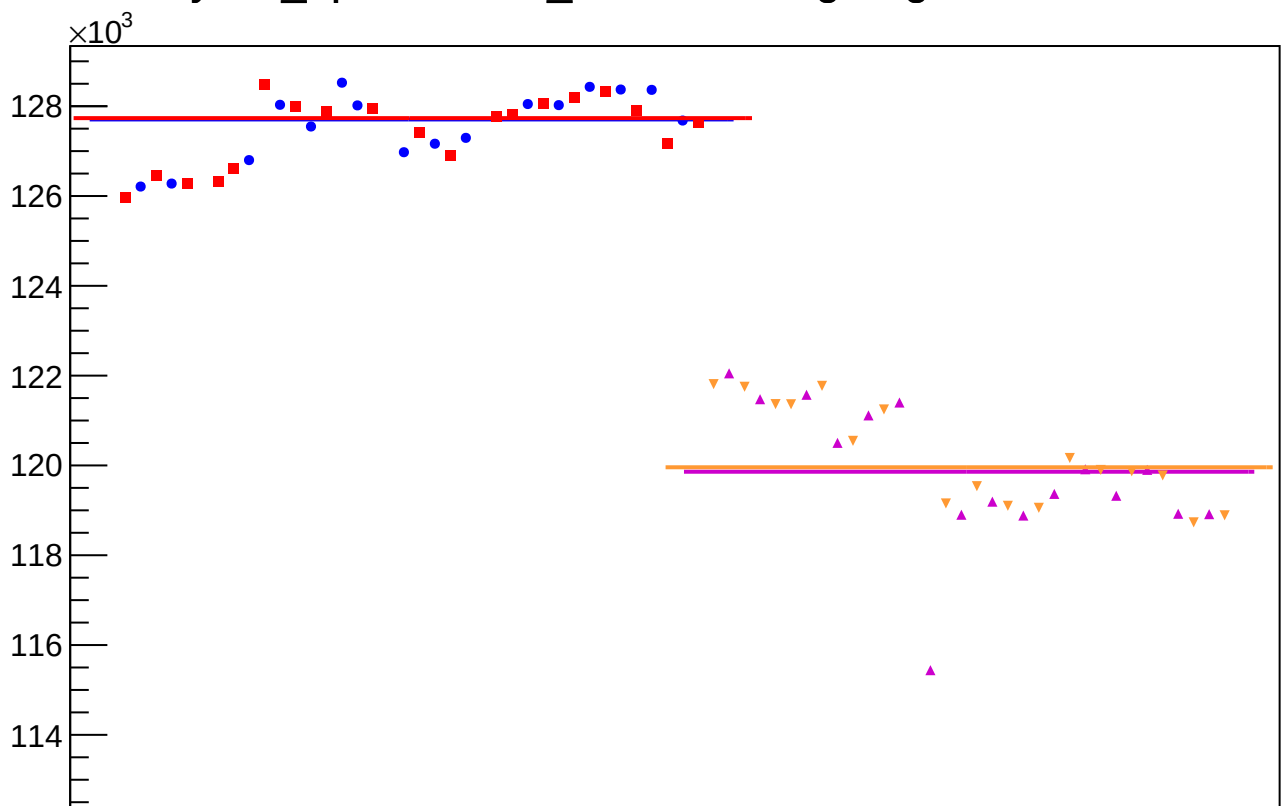
Left: 186.713+/-0.026 χ^2/NDF: 854896.4/33

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 160.475+/-0.026 χ^2/NDF:2956132.0/31

Out: 155.703+/-0.025 χ^2/NDF:3355596.3/36

All: 157.944+/-0.018 χ^2/NDF: 6329001.7/68



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119958.810+/-0.049 χ^2/NDF:1805163849.9/17

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119859.759+/-0.050 χ^2/NDF:1182806064.4/15

Left: 119910.005+/-0.035 χ^2/NDF: 2989945267.9/3

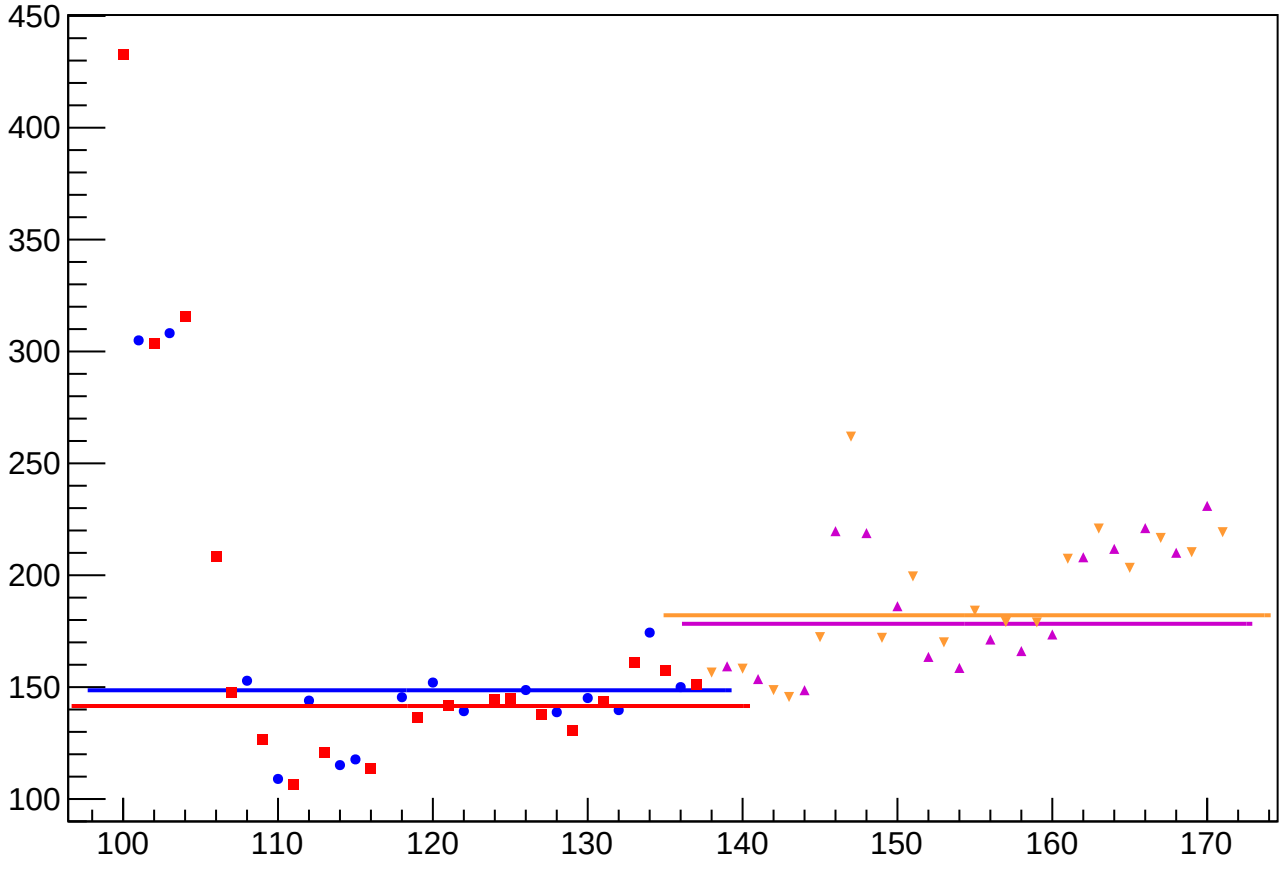
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123191.992+/-0.038 χ^2/NDF:11663501663.8/3

Out: 123442.276+/-0.037 χ^2/NDF:12982767365.6

All: 123321.535+/-0.026 χ^2/NDF: 24668638

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: 178.301+/-0.035 χ^2/NDF:538841.0/15

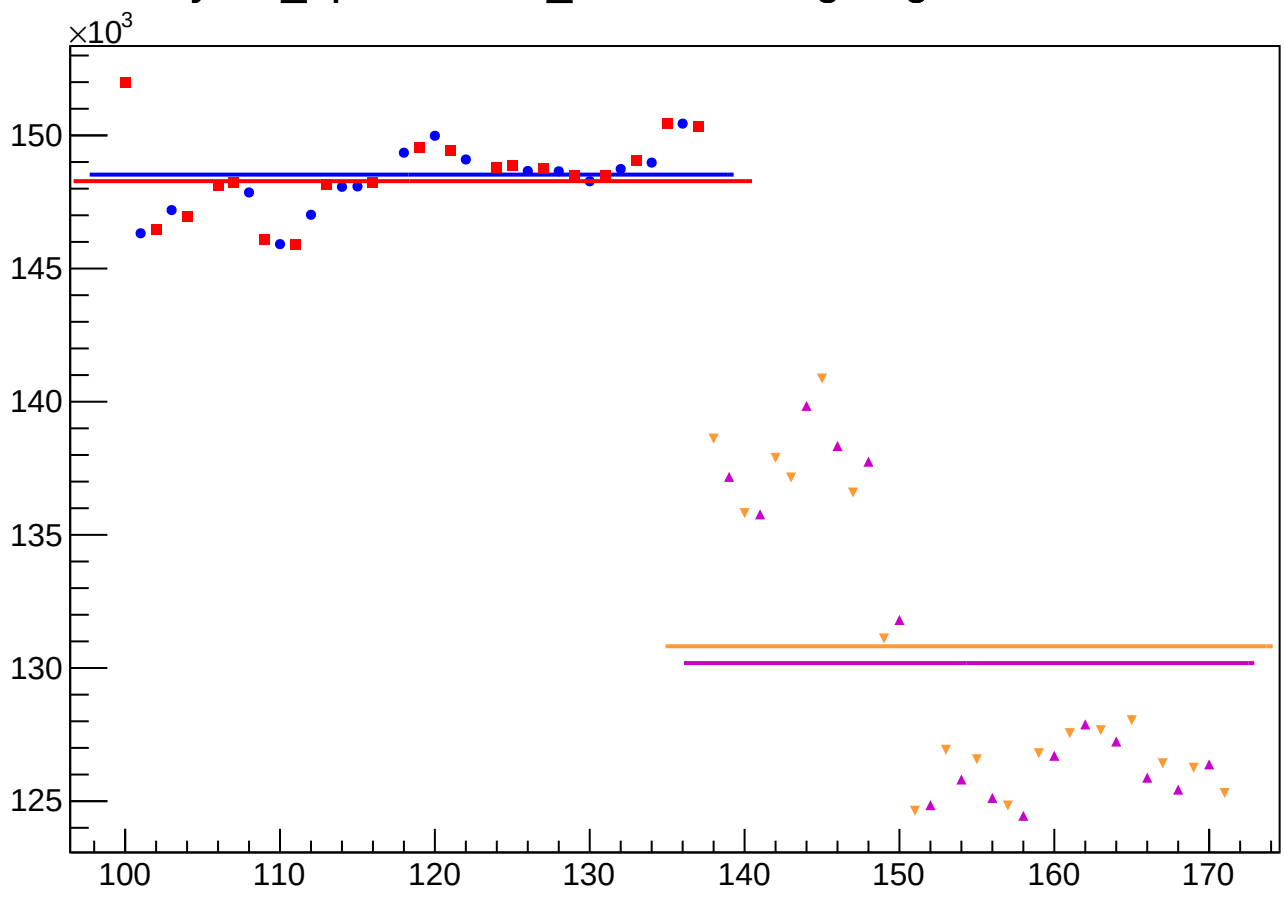
Left: 180.237+/-0.025 χ^2/NDF: 1148958.4/33

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 165.683+/-0.027 χ^2/NDF:1664112.8/31

Out: 163.950+/-0.026 χ^2/NDF:2207627.2/36

All: 164.786+/-0.019 χ^2/NDF: 3873886.7/68



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130816.284+/-0.072 χ^2/NDF:5740450121.6/17

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 130186.181+/-0.073 χ^2/NDF:5891870222.1/15

Left: 130506.545+/-0.051 χ^2/NDF: 11670439493.9/

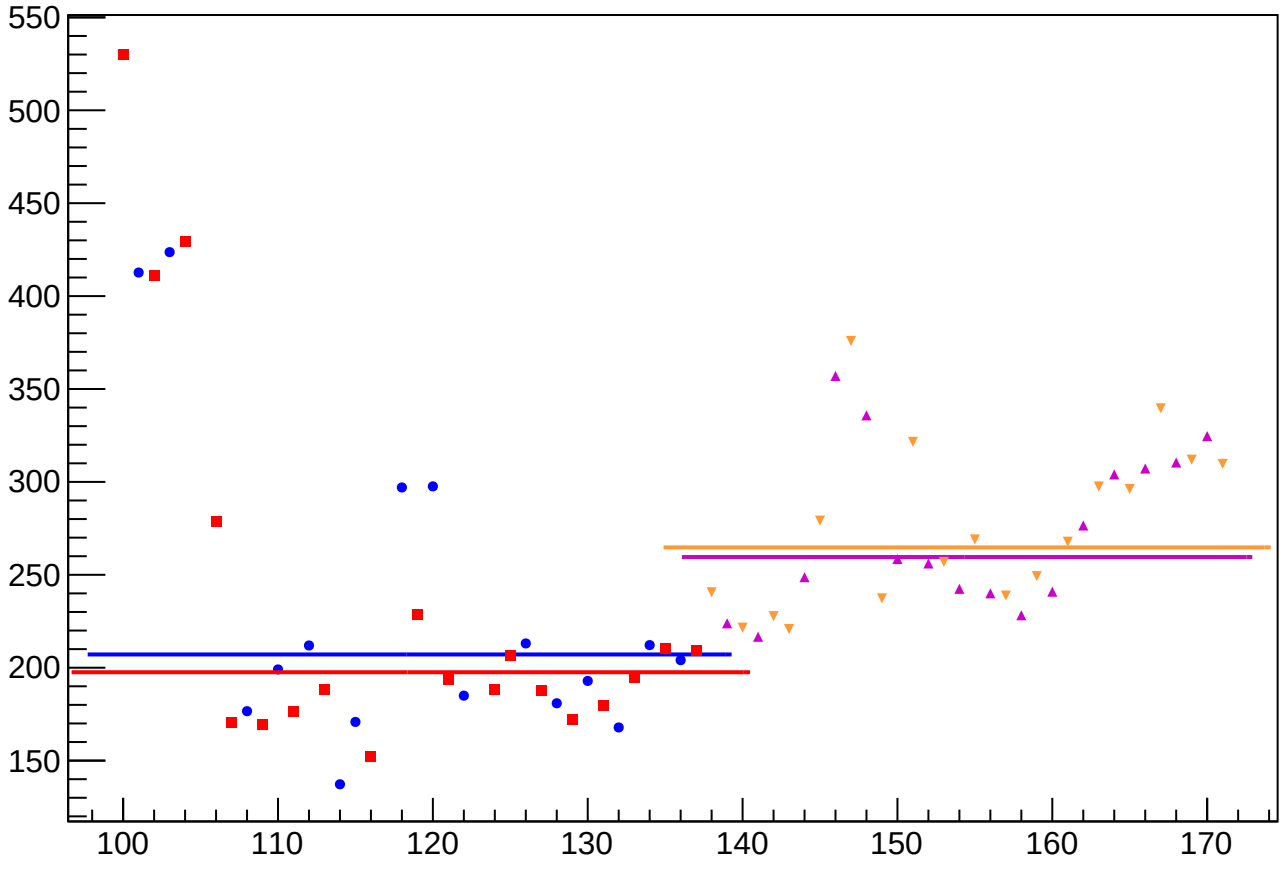
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 138273.645+/-0.054 χ^2/NDF:34112521363.7/3

Out: 138954.328+/-0.052 χ^2/NDF:33796596240.7

All: 138627.506+/-0.038 χ^2/NDF: 67990476

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: 259.571+/-0.051 χ^2/NDF:560329.1/15

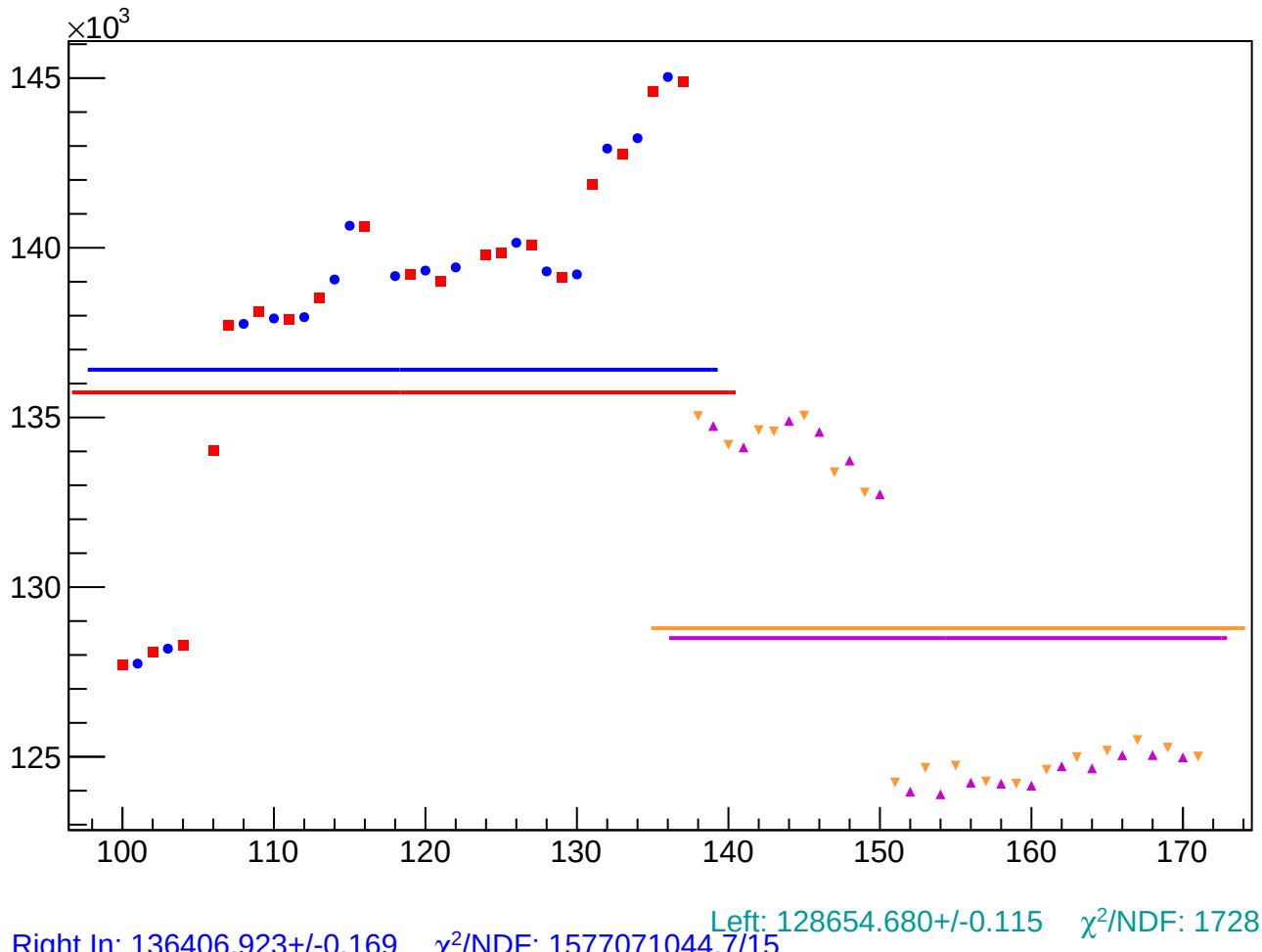
Left: 262.204+/-0.036 χ^2/NDF: 1158800.6/33

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

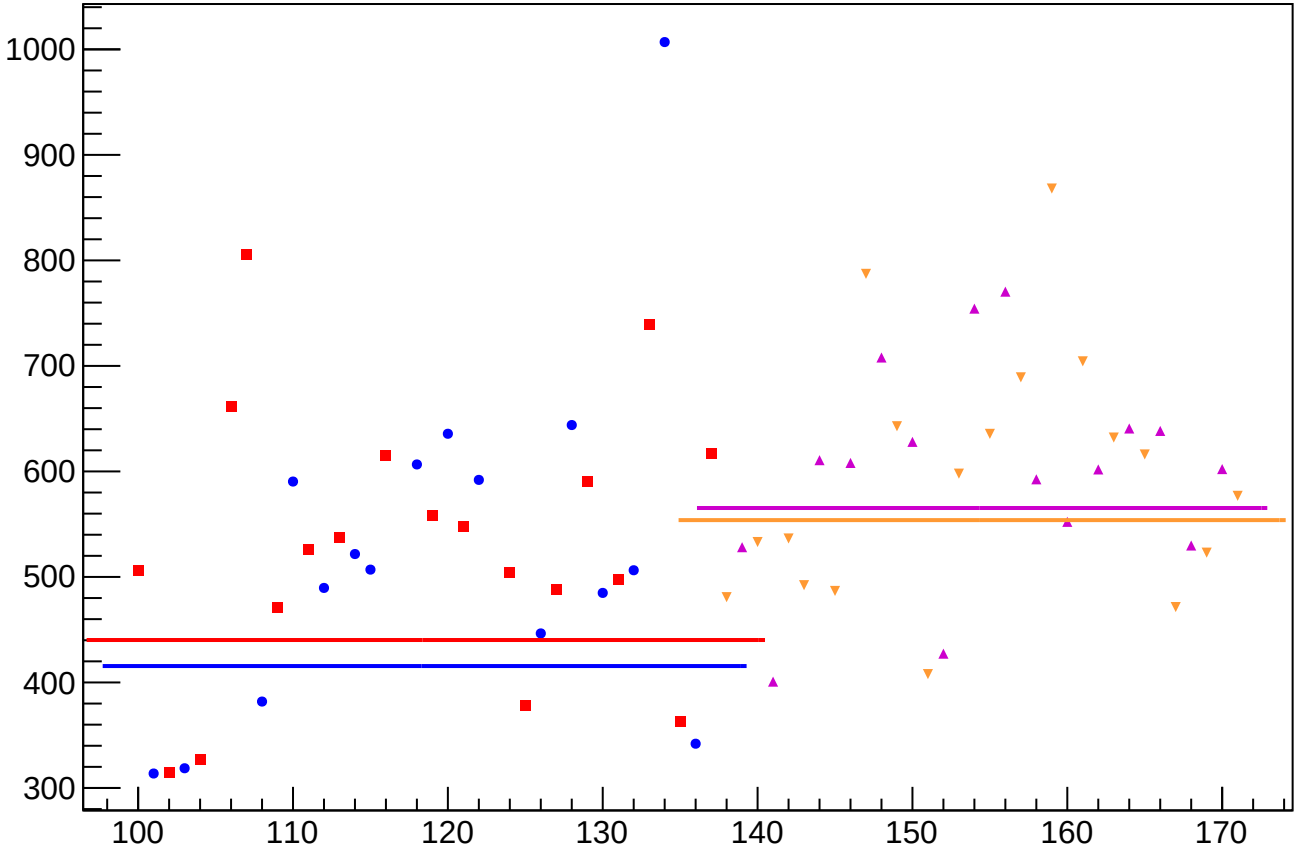
In: 236.450+/-0.038 χ^2/NDF:1990425.7/31

Out: 233.449+/-0.037 χ^2/NDF:2318747.4/36

All: 234.890+/-0.027 χ^2/NDF: 4312336.6/68


yield_bpm0l03WS_mean vs Slug, Sign Corrected
×10^3
145
140
135
130
125
100
110
120
130
140
150
160
170
Right In: 136406.923+/-0.169 χ²/NDF: 1577071044.7/15
Left Out: 128789.359+/-0.157 χ²/NDF:917357439.2/17
Right Out: 135738.412+/-0.177 χ²/NDF: 1174123878.0/18
Left In: 128497.517+/-0.170 χ²/NDF:809196431.2/15
Left: 128654.680+/-0.115 χ²/NDF: 1728143389.1/3
Right: 136088.335+/-0.122 χ²/NDF: 2758689484.9/
In: 132482.447+/-0.120 χ²/NDF:3478548337.4/31
Out: 131861.074+/-0.117 χ²/NDF:2954708922.5/3
All: 132166.010+/-0.084 χ²/NDF: 64469904

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: 565.332+/-0.120 χ^2/NDF:726331.7/15

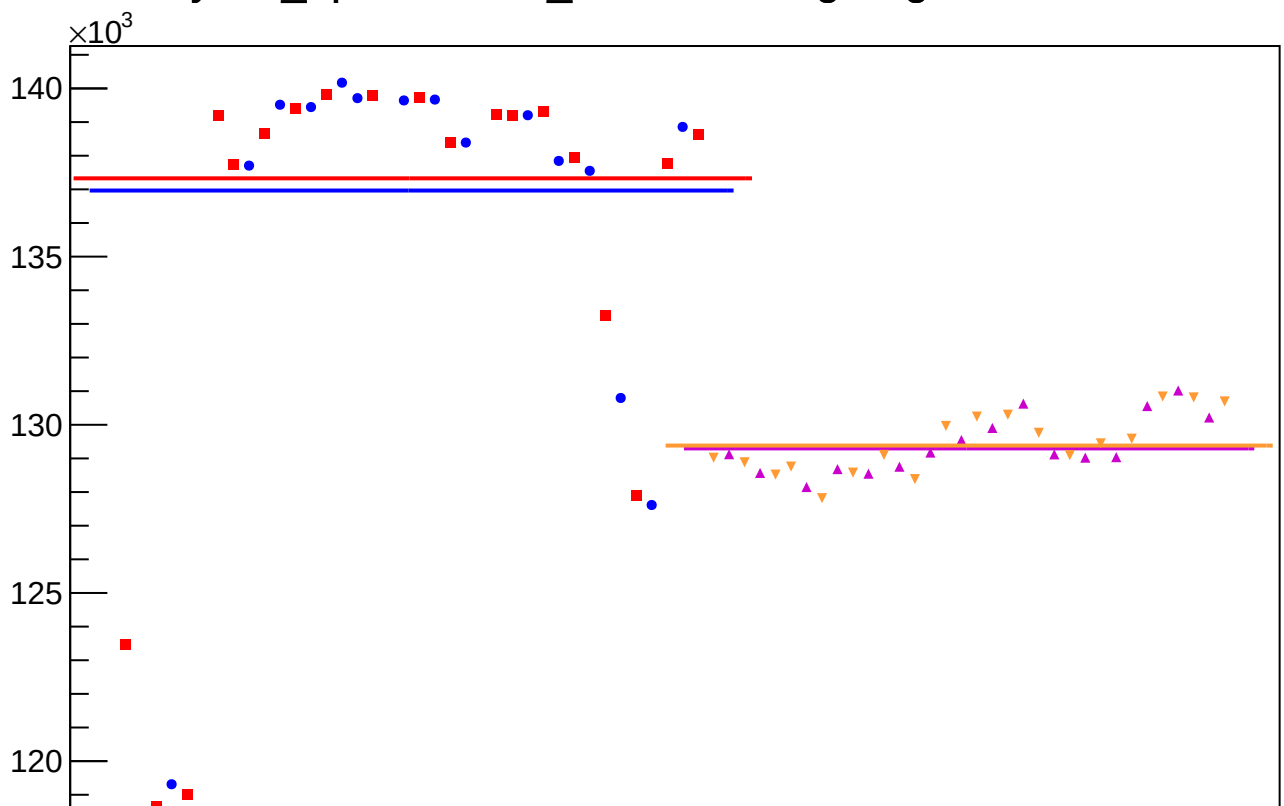
Left: 559.150+/-0.082 χ^2/NDF: 1588535.0/33

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 489.867+/-0.085 χ^2/NDF:2541379.4/31

Out: 503.622+/-0.083 χ^2/NDF:2229736.1/36

All: 496.872+/-0.059 χ^2/NDF: 4784573.9/68



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129382.734+/-0.052 χ^2/NDF:266625380.6/17

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129297.835+/-0.054 χ^2/NDF:222101968.6/15

Left: 129341.857+/-0.038 χ^2/NDF: 489995581.9/33

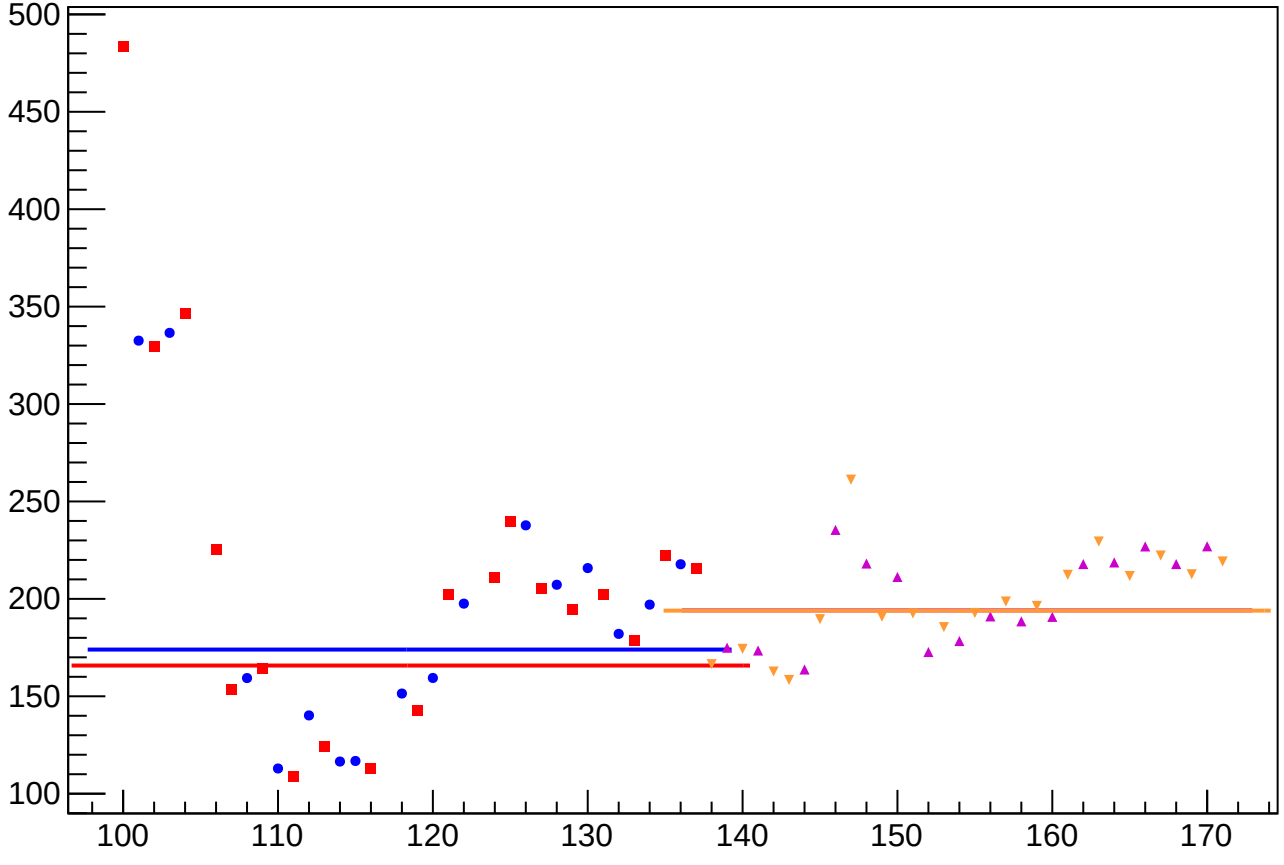
Right: 137157.181+/-0.048 χ^2/NDF: 1559848727.

In: 132191.289+/-0.043 χ^2/NDF:13557854773.9/3

Out: 132469.303+/-0.041 χ^2/NDF:14965634930.5/

All: 132336.695+/-0.030 χ^2/NDF: 28545521

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: 194.097+/-0.038 χ^2/NDF:344262.1/15

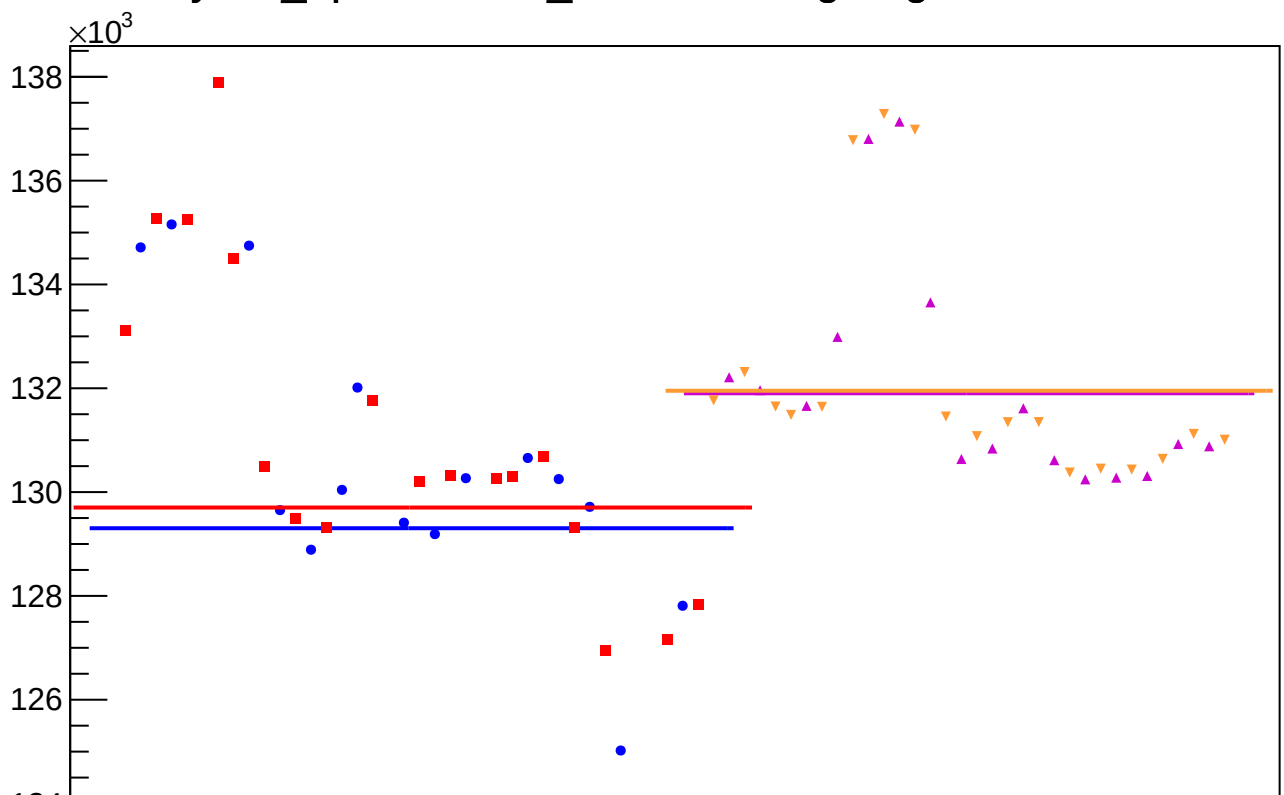
Left: 194.028+/-0.027 χ^2/NDF: 751803.2/33

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 186.506+/-0.030 χ^2/NDF:1636391.3/31

Out: 183.015+/-0.029 χ^2/NDF:2066246.2/36

All: 184.680+/-0.021 χ^2/NDF: 3709586.9/68



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: 131903.529+/-0.054 χ^2/NDF:1065074753.4/15

Left: 131928.852+/-0.038 χ^2/NDF: 2393065146.1/3

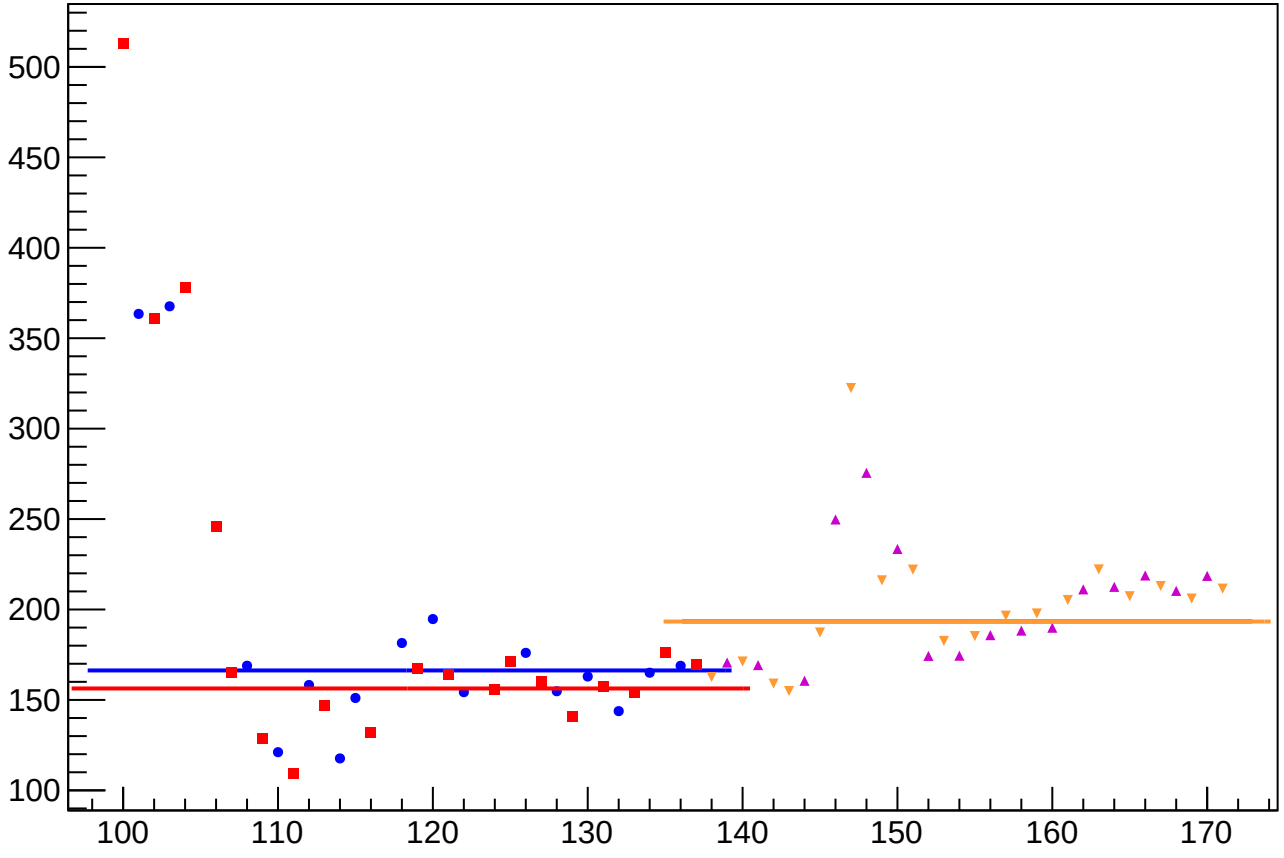
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130857.181+/-0.042 χ^2/NDF:3636682352.0/31

Out: 131006.437+/-0.040 χ^2/NDF:3879821901.0/3

All: 130935.622+/-0.029 χ^2/NDF: 752314134

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: 193.401+/-0.038 χ^2/NDF:536414.4/15

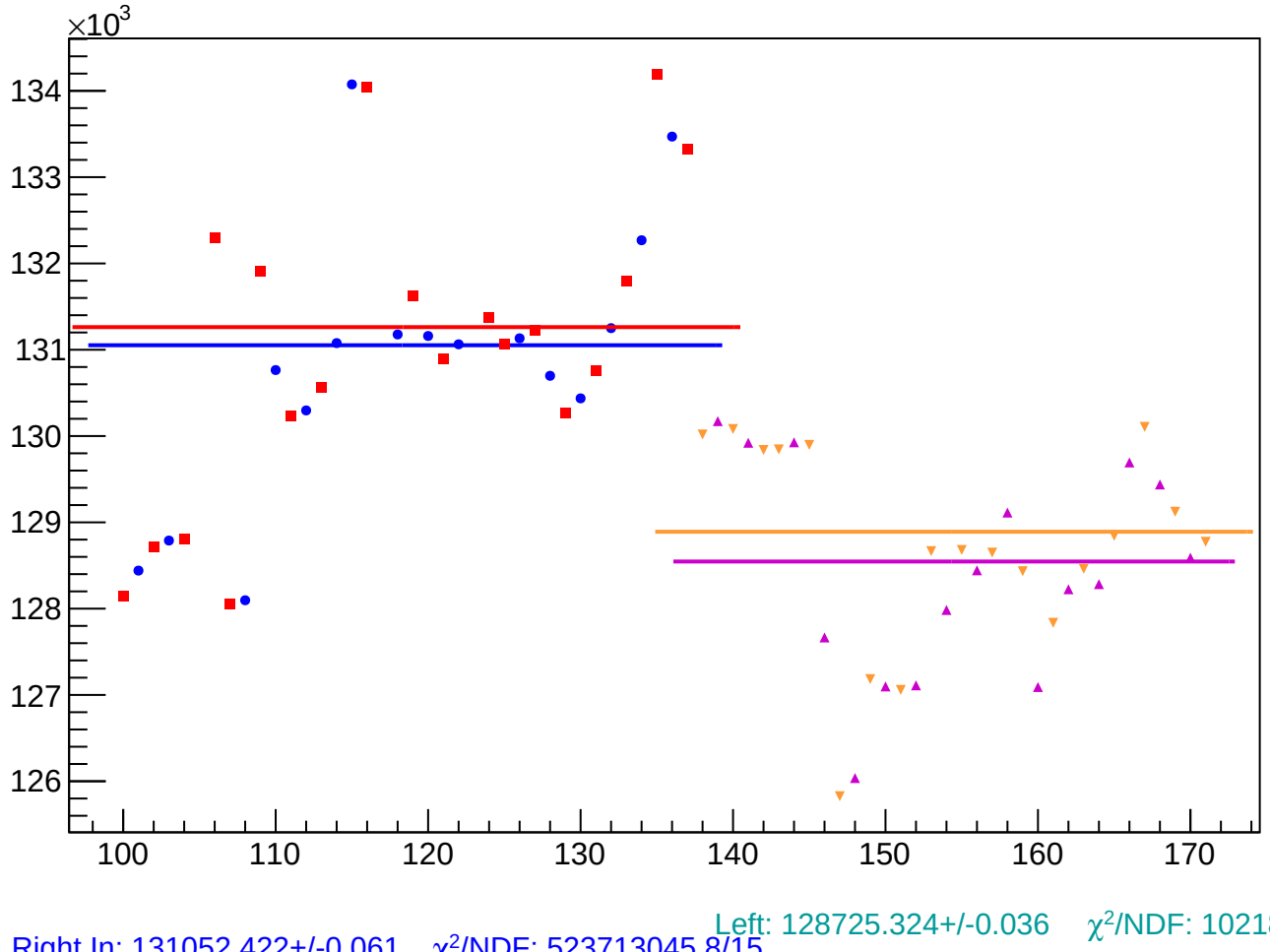
Left: 193.369+/-0.027 χ^2/NDF: 1142083.8/33

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

In: 182.494+/-0.030 χ^2/NDF:1674592.7/31

Out: 177.780+/-0.028 χ^2/NDF:2197567.2/36

All: 180.016+/-0.020 χ^2/NDF: 3885400.8/68



Right In: 131052.422+/-0.061 χ^2/NDF: 523713045.8/15

Left Out: 128891.165+/-0.050 χ^2/NDF:463461439.5/17

Right Out: 131262.232+/-0.057 χ^2/NDF: 604278186.1/18

Left In: 128546.168+/-0.052 χ^2/NDF:535953083.7/15

Left: 128725.324+/-0.036 χ^2/NDF: 1021870792.9/3

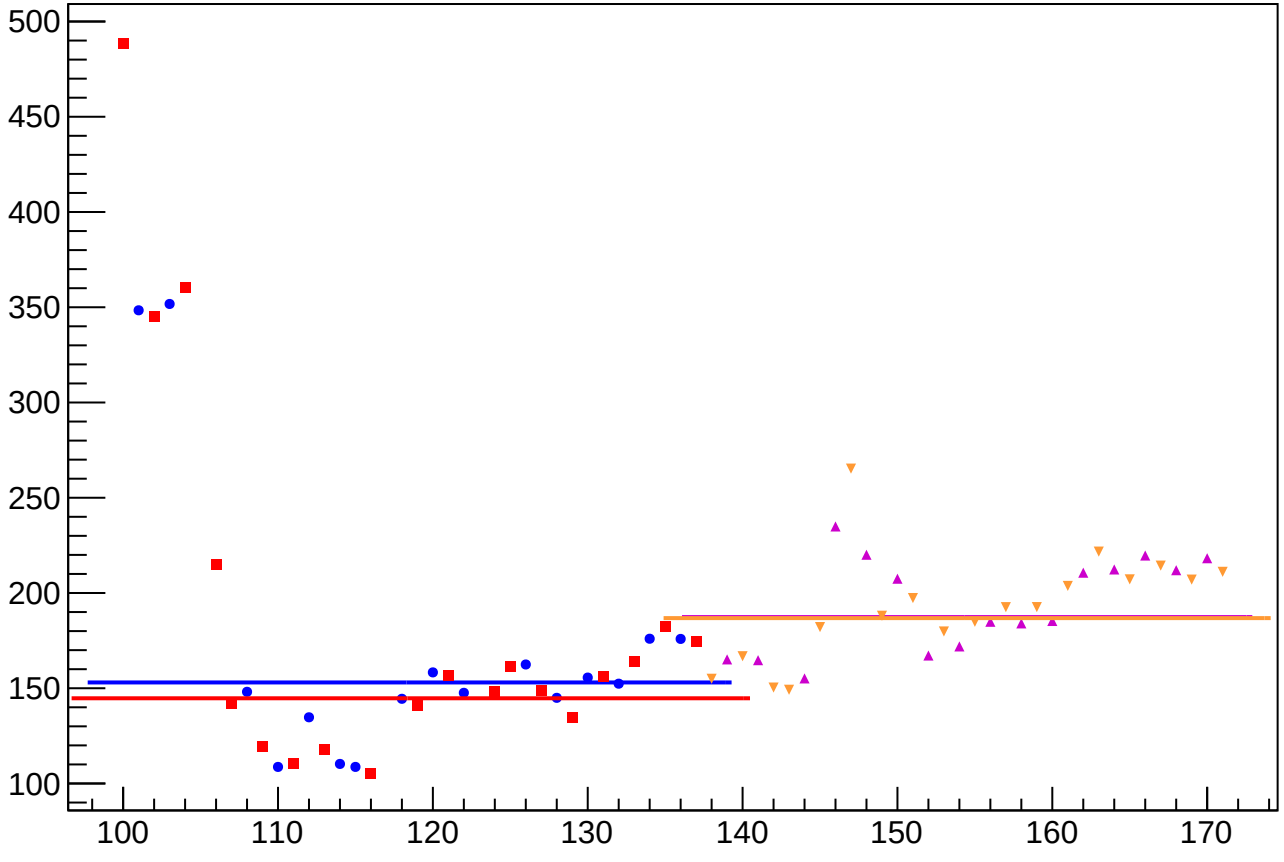
Right: 131164.431+/-0.041 χ^2/NDF: 1134382049.3/

In: 129619.040+/-0.040 χ^2/NDF:2036595872.8/31

Out: 129940.209+/-0.038 χ^2/NDF:2044000840.8/3

All: 129787.859+/-0.027 χ^2/NDF: 41150403

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: 187.371+/-0.037 χ^2/NDF:418916.7/15

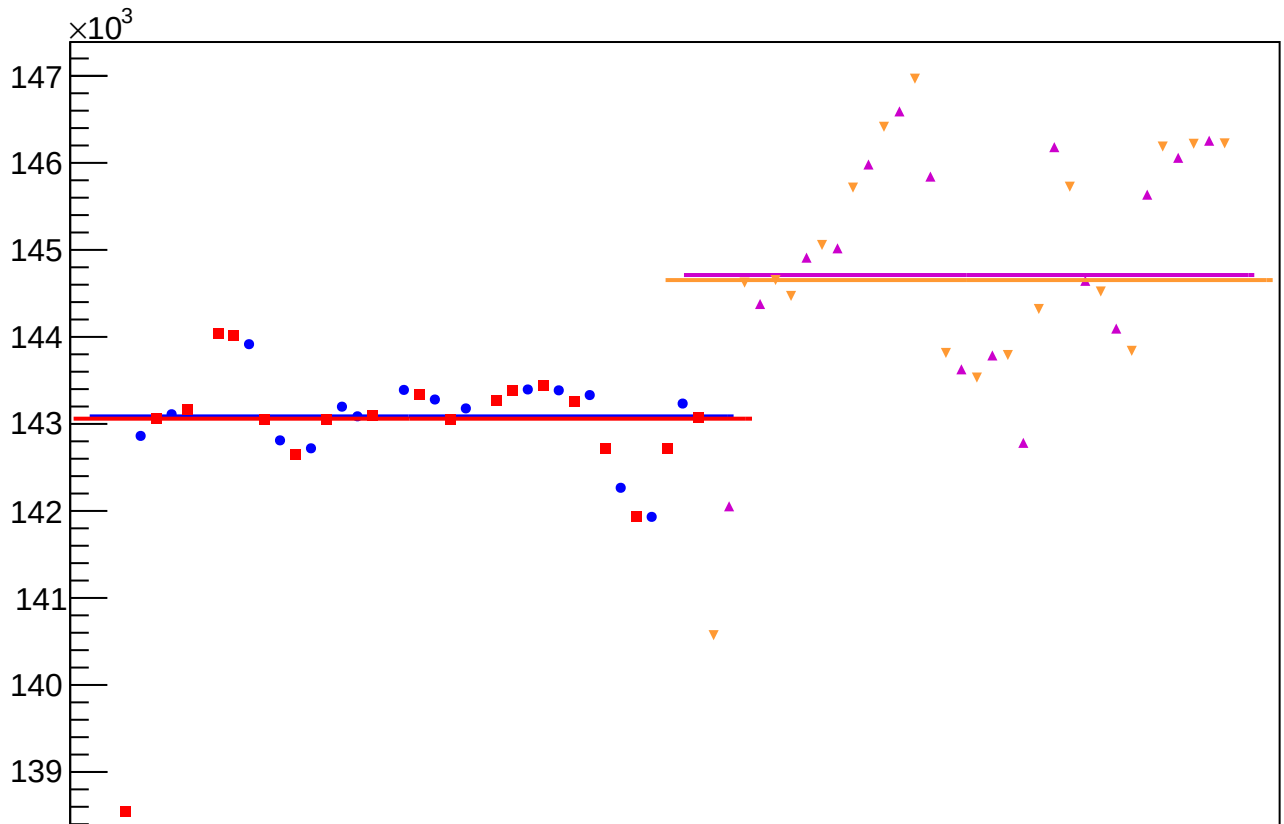
Left: 187.082+/-0.026 χ^2/NDF: 939355.8/33

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 172.676+/-0.028 χ^2/NDF:1844958.6/31

Out: 168.195+/-0.027 χ^2/NDF:2398826.8/36

All: 170.321+/-0.019 χ^2/NDF: 4257195.4/68



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: 144711.278+/-0.060 χ^2/NDF:506739466.4/15

Left: 144681.273+/-0.042 χ^2/NDF: 1227363213.5/3

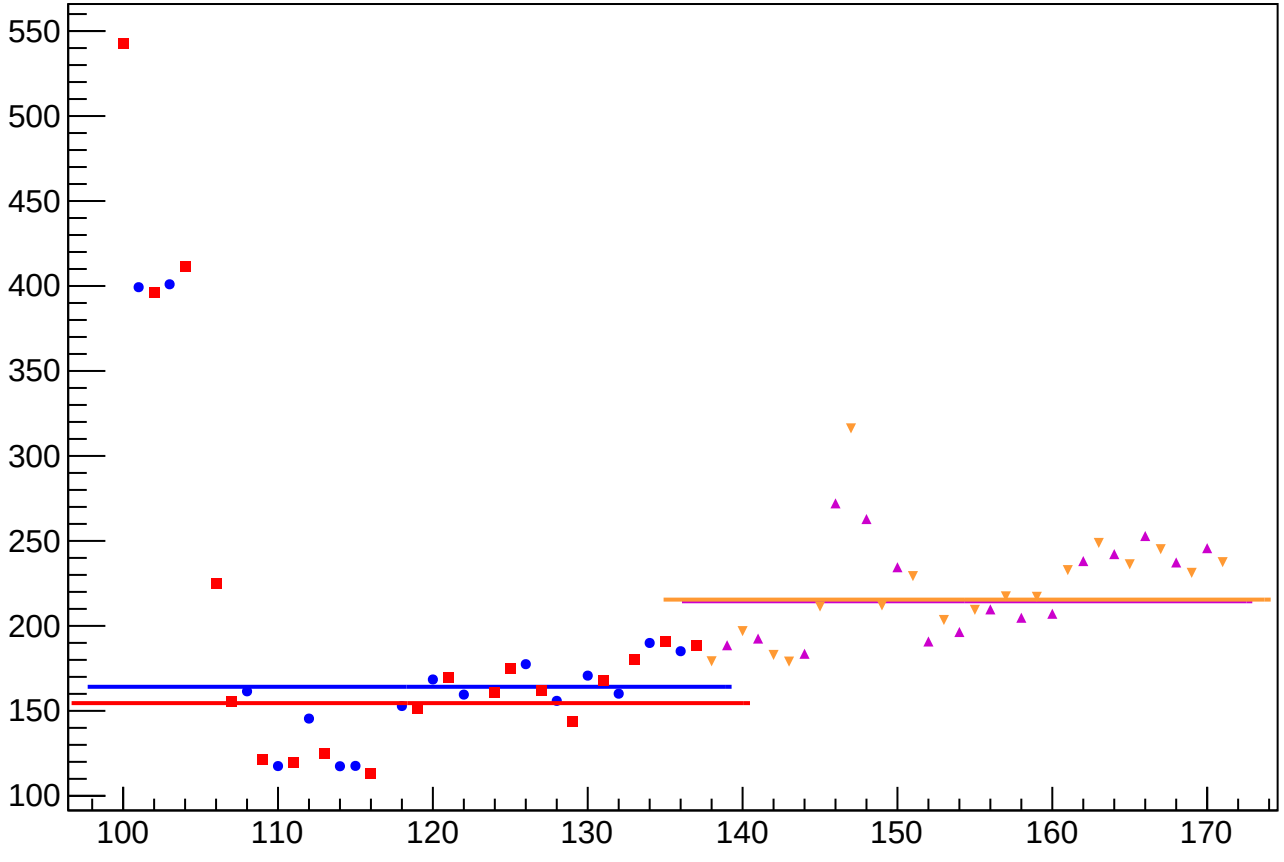
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 143963.795+/-0.044 χ^2/NDF:889991085.9/31

Out: 143889.258+/-0.042 χ^2/NDF:1130759272.6/3

All: 143924.676+/-0.030 χ^2/NDF: 20222465

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: 214.482+/-0.042 χ^2/NDF:395955.1/15

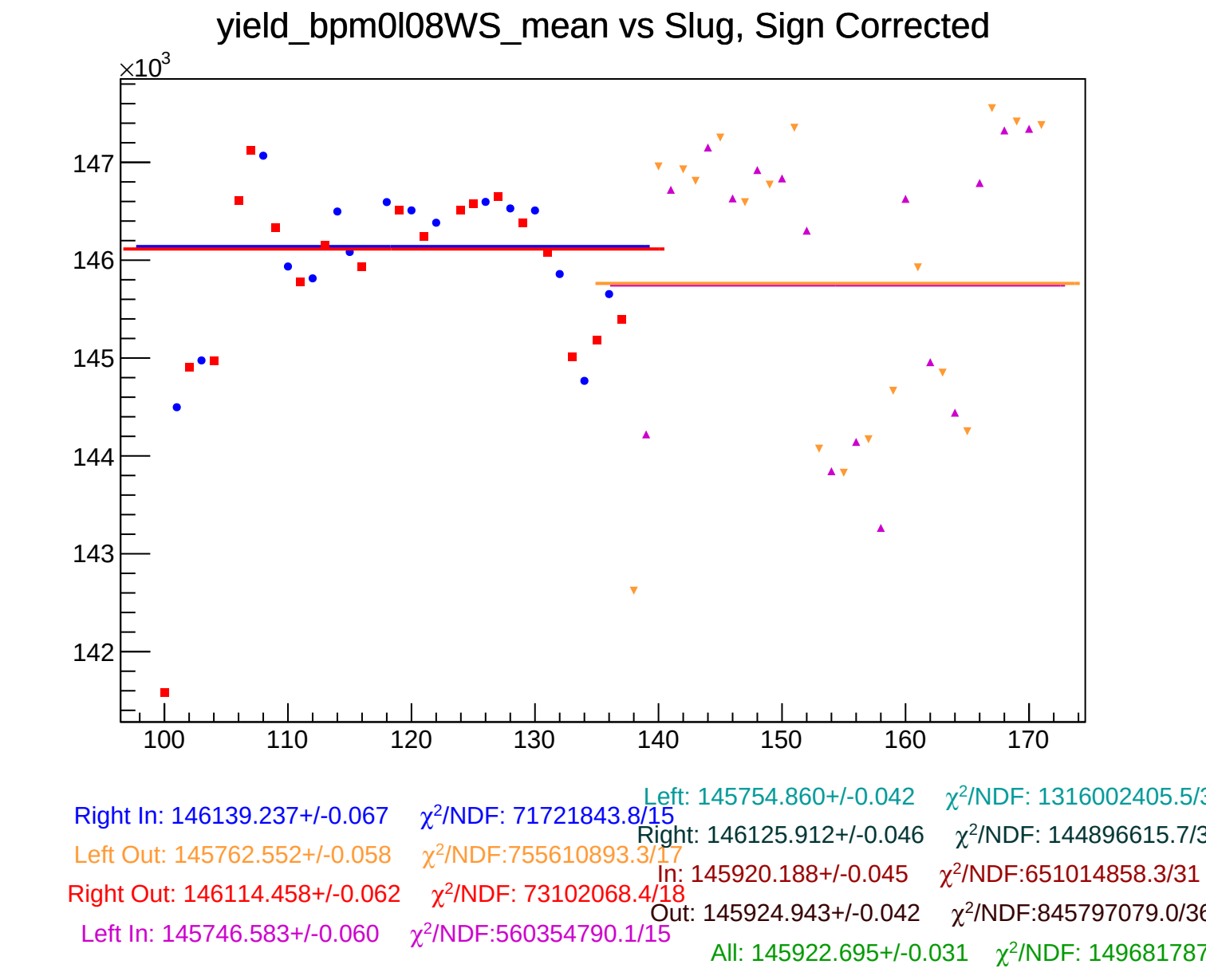
Left: 214.989+/-0.030 χ^2/NDF: 837035.0/33

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

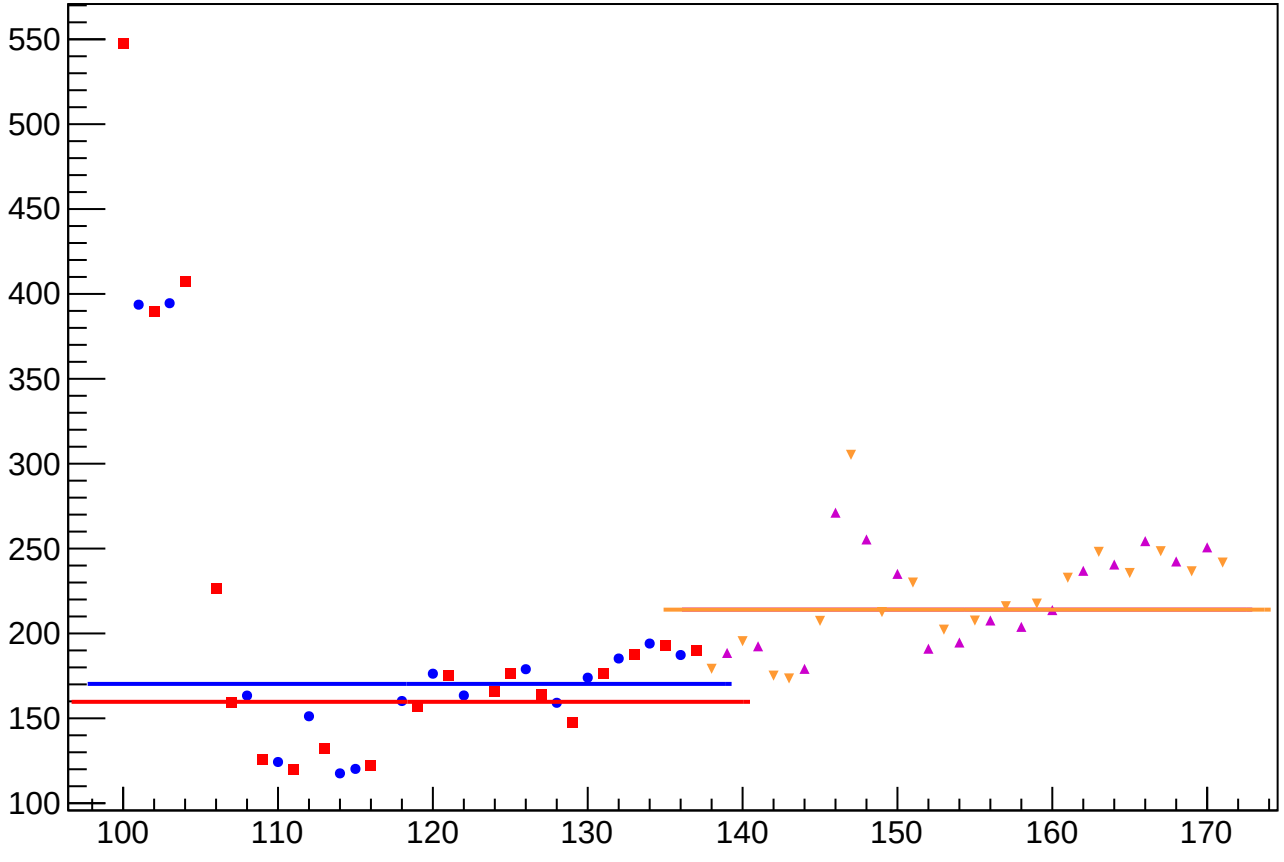
In: 191.335+/-0.031 χ^2/NDF:2171154.4/31

Out: 186.257+/-0.030 χ^2/NDF:2857185.4/36

All: 188.670+/-0.022 χ^2/NDF: 5042227.9/68


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: 145746.583+/-0.060 χ²/NDF:560354790.1/15
Left: 145754.860+/-0.042 χ²/NDF: 1316002405.5/3
Right: 146125.912+/-0.046 χ²/NDF: 144896615.7/3
In: 145920.188+/-0.045 χ²/NDF:651014858.3/31
Out: 145924.943+/-0.042 χ²/NDF:845797079.0/36
All: 145922.695+/-0.031 χ²/NDF: 14968178

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: 214.048+/-0.042 χ^2/NDF:415655.2/15

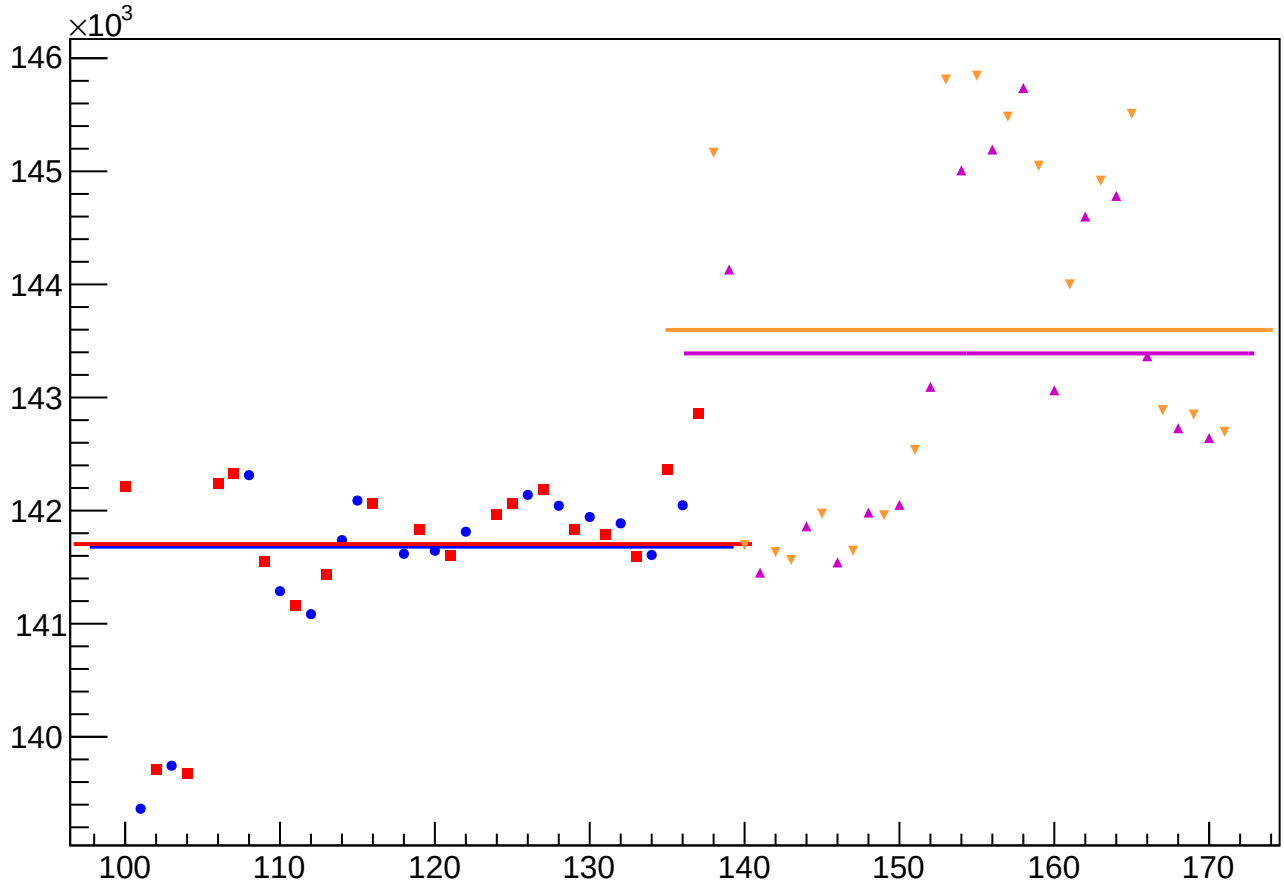
Left: 214.035+/-0.029 χ^2/NDF: 896888.2/33

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 194.696+/-0.032 χ^2/NDF:1943925.4/31

Out: 188.966+/-0.030 χ^2/NDF:2586001.6/36

All: 191.676+/-0.022 χ^2/NDF: 4547166.5/68



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: 143389.784+/-0.062 χ^2/NDF:502390510.6/15

Left: 143496.550+/-0.043 χ^2/NDF: 1231912582.3/3

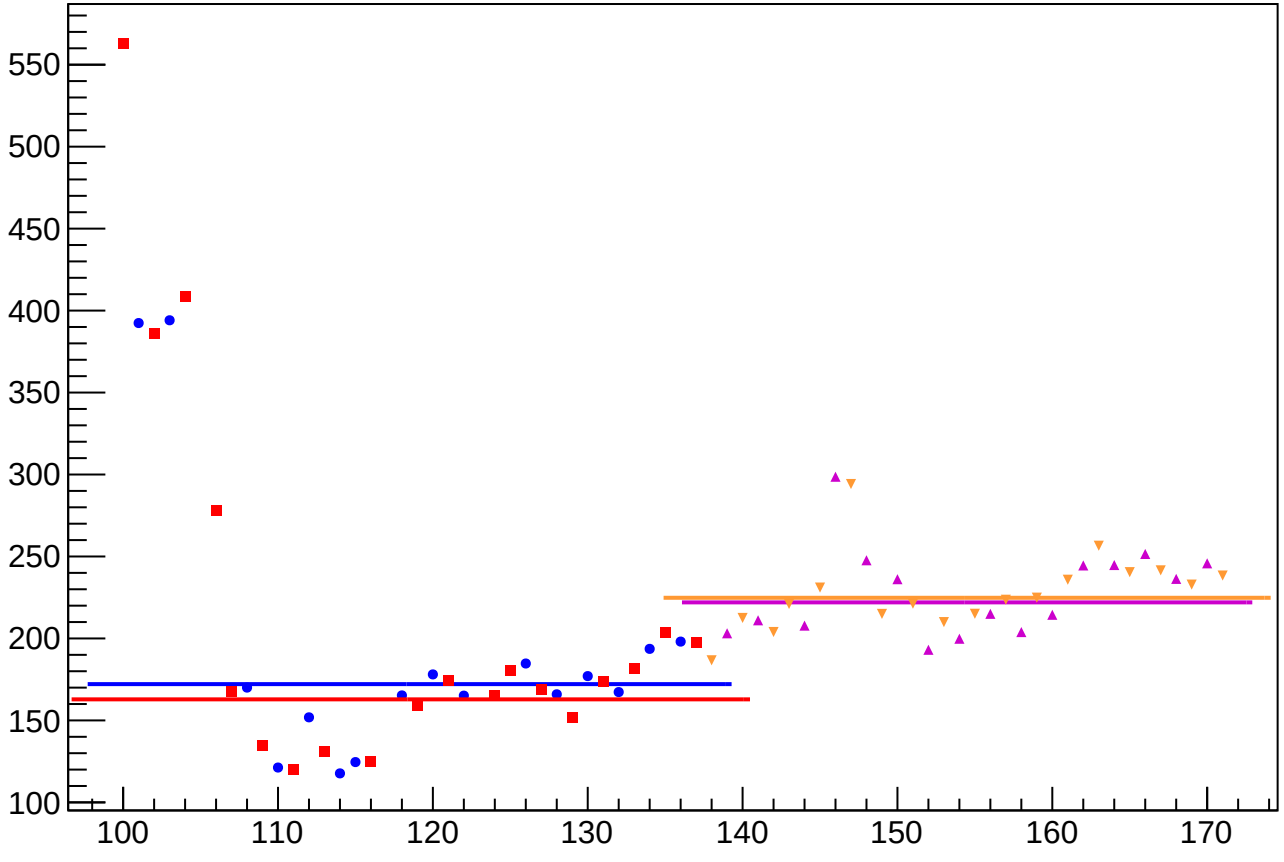
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142616.224+/-0.046 χ^2/NDF:909086315.3/31

Out: 142702.091+/-0.044 χ^2/NDF:1253580470.4/3

All: 142661.139+/-0.032 χ^2/NDF: 21644937

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: 222.003+/-0.044 χ^2/NDF:302151.6/15

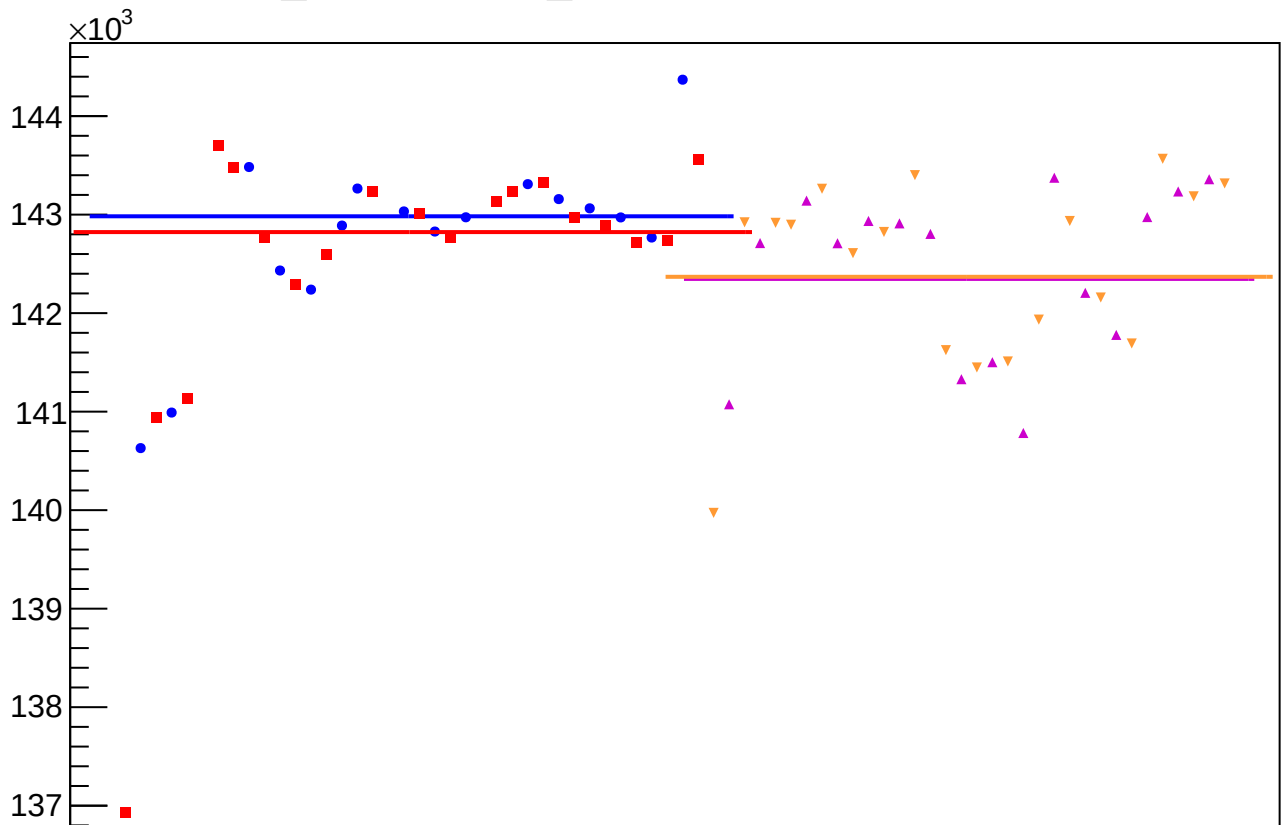
Left: 223.445+/-0.031 χ^2/NDF: 539434.9/33

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

In: 199.419+/-0.032 χ^2/NDF:1954457.8/31

Out: 195.503+/-0.031 χ^2/NDF:2535553.0/36

All: 197.370+/-0.022 χ^2/NDF: 4497610.7/68



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: 142347.327+/-0.059 χ^2/NDF:224025055.3/15

Left: 142358.454+/-0.041 χ^2/NDF: 523912074.5/33

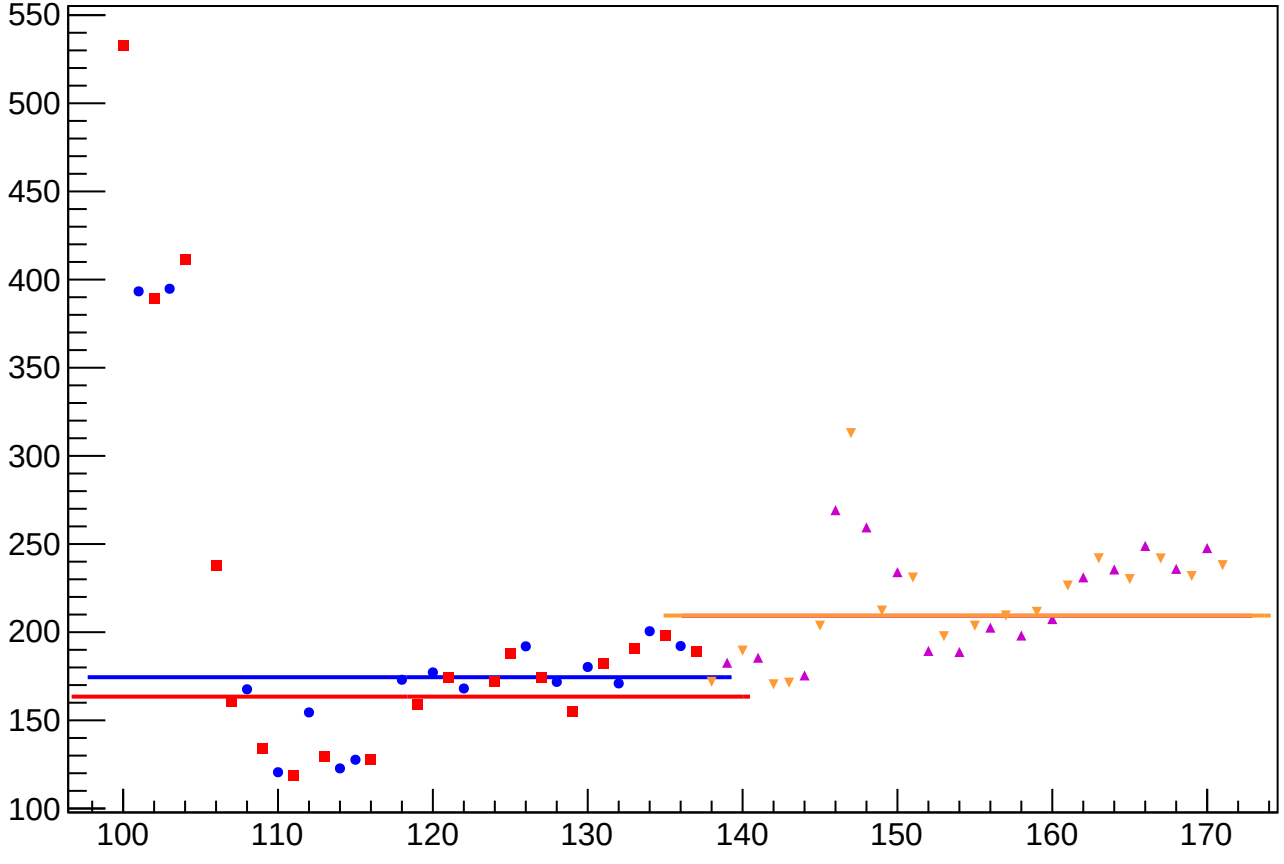
Right: 142896.762+/-0.047 χ^2/NDF: 174171580.7/3

In: 142613.524+/-0.045 χ^2/NDF:380896095.2/31

Out: 142567.876+/-0.042 χ^2/NDF:391612965.3/36

All: 142589.486+/-0.031 χ^2/NDF: 773057682

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: 209.307+/-0.041 χ^2/NDF:460887.7/15

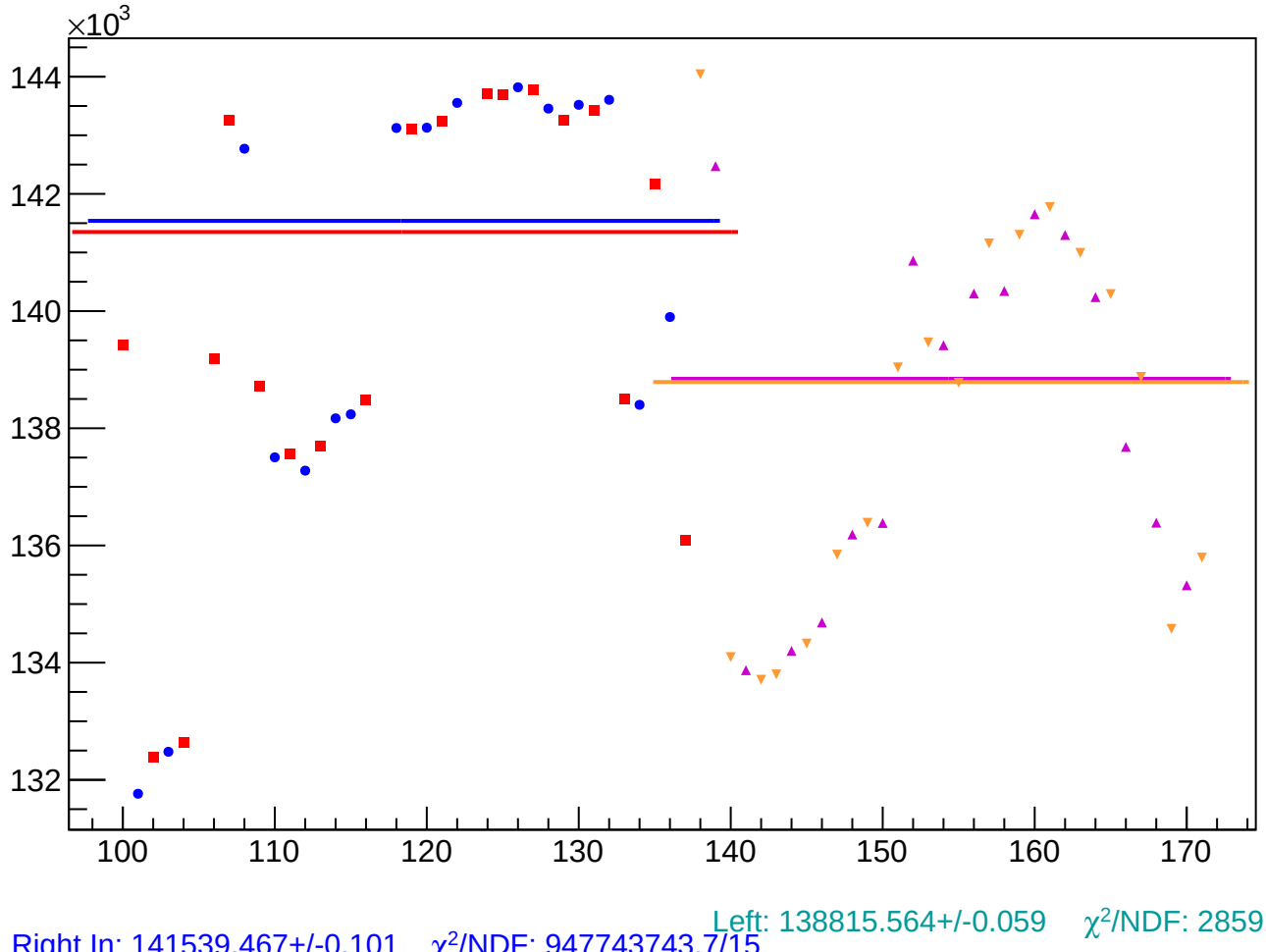
Left: 209.371+/-0.029 χ^2/NDF: 991963.4/33

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 194.717+/-0.032 χ^2/NDF:1805441.0/31

Out: 189.265+/-0.030 χ^2/NDF:2392620.4/36

All: 191.846+/-0.022 χ^2/NDF: 4213716.0/68



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138789.303+/-0.083 χ^2/NDF:1660093282.6/17

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138843.753+/-0.086 χ^2/NDF:1198808842.9/15

Left: 138815.564+/-0.059 χ^2/NDF: 2859111394.9/3

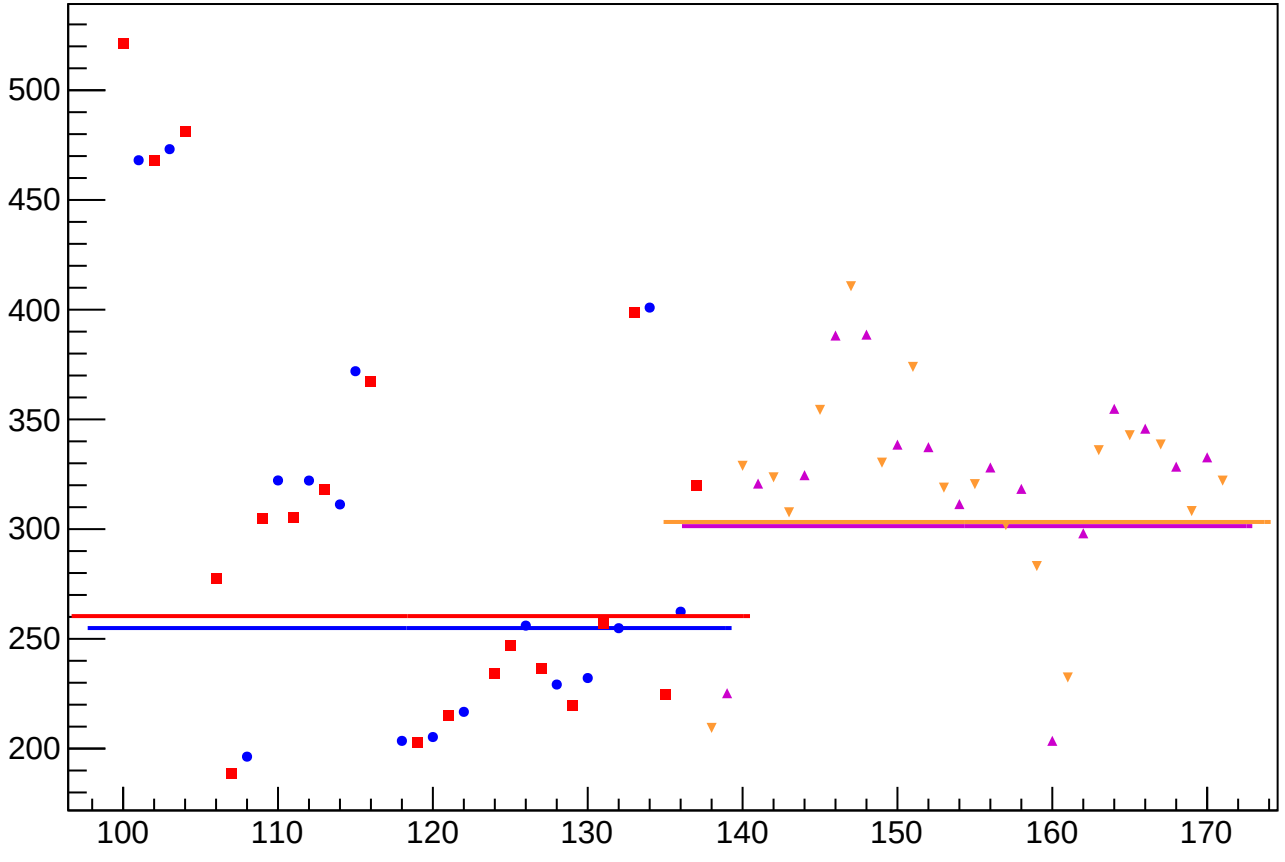
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139973.748+/-0.065 χ^2/NDF:2561865348.2/31

Out: 139815.613+/-0.064 χ^2/NDF:2971304499.6/3

All: 139893.106+/-0.046 χ^2/NDF: 553616327

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: 301.361+/-0.061 χ^2/NDF:872297.7/15

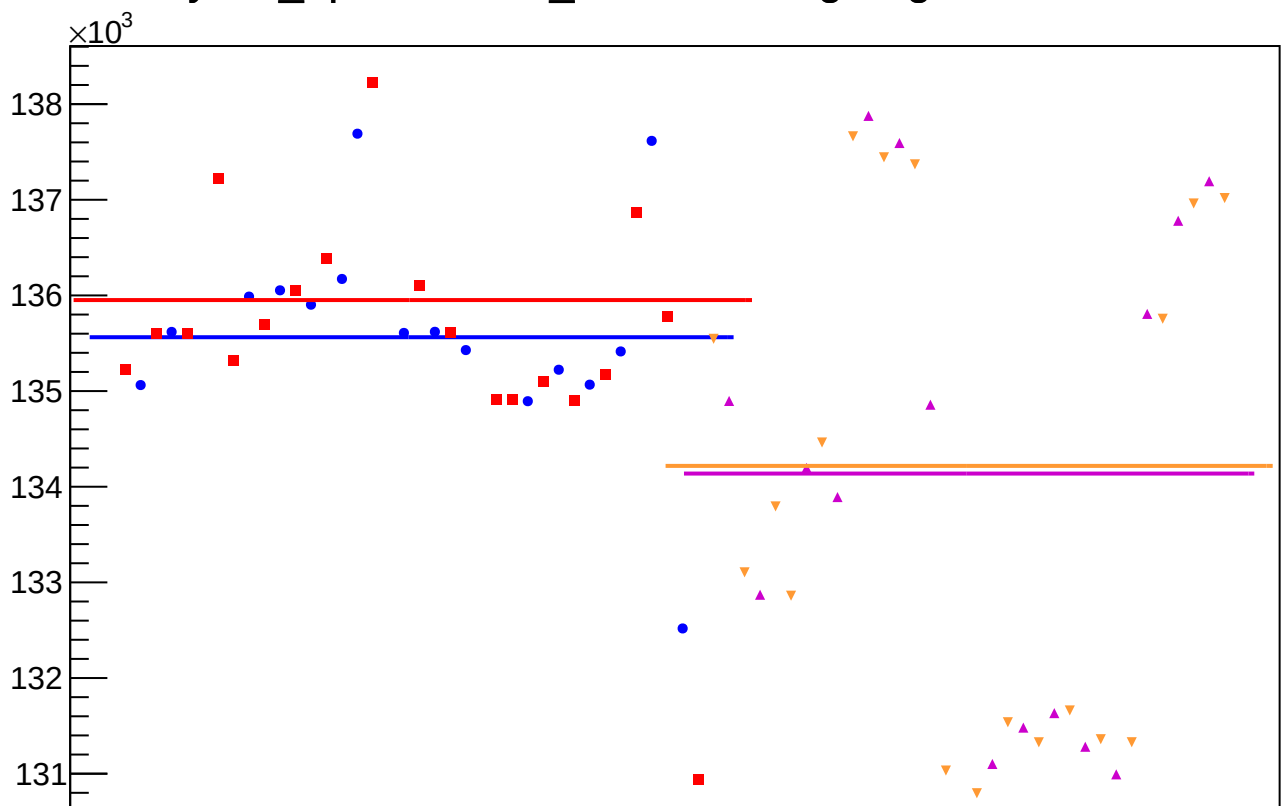
Left: 302.346+/-0.042 χ^2/NDF: 1624398.0/33

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 281.894+/-0.046 χ^2/NDF:2068787.4/31

Out: 286.068+/-0.045 χ^2/NDF:1960780.4/36

All: 284.022+/-0.032 χ^2/NDF: 4033739.1/68



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134217.880+/-0.071 χ^2/NDF:981090596.2/17

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134137.651+/-0.076 χ^2/NDF:817994060.2/15

Left: 134180.436+/-0.052 χ^2/NDF: 1799680305.5/3

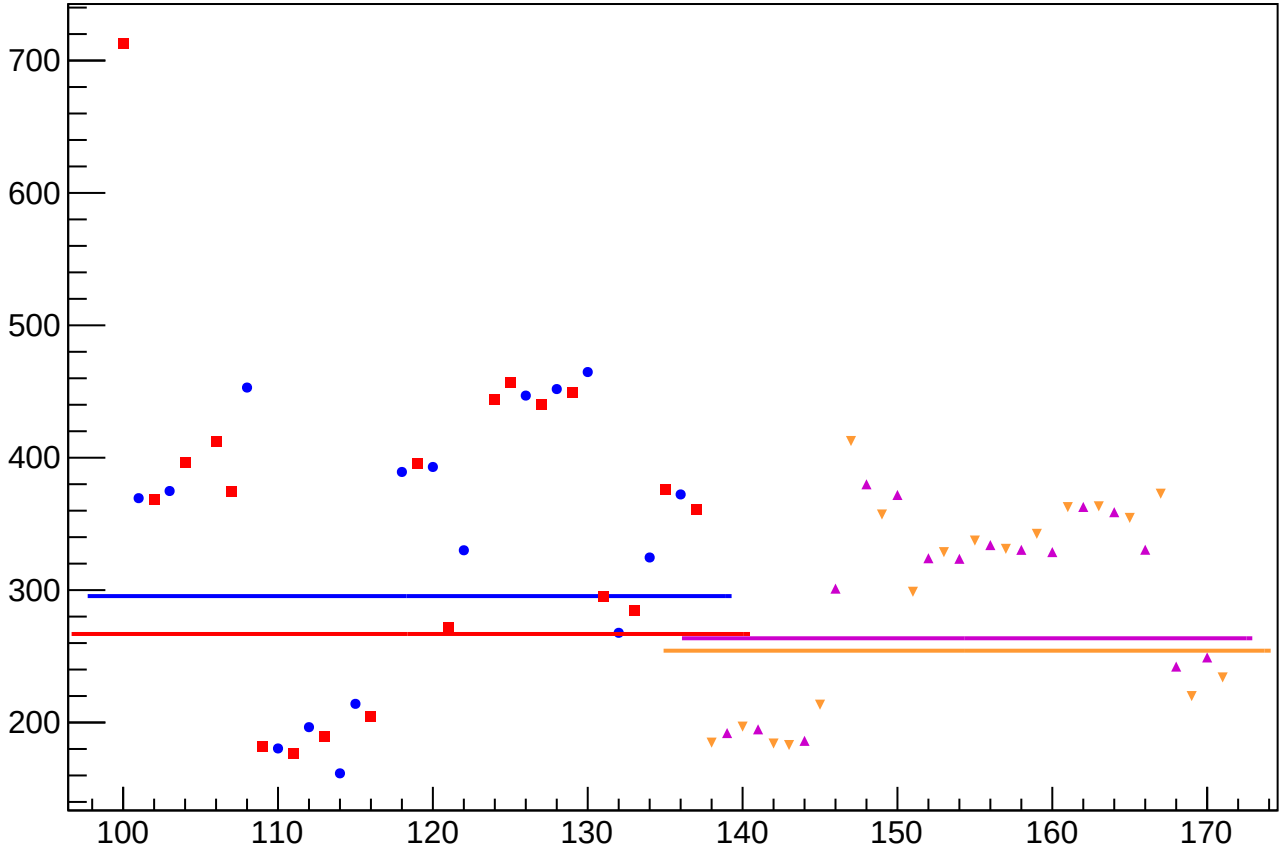
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134553.136+/-0.064 χ^2/NDF:1014932925.4/31

Out: 134752.496+/-0.059 χ^2/NDF:1256431473.4/3

All: 134660.647+/-0.043 χ^2/NDF: 22766138

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: 263.616+/-0.054 χ^2/NDF:1670461.9/15

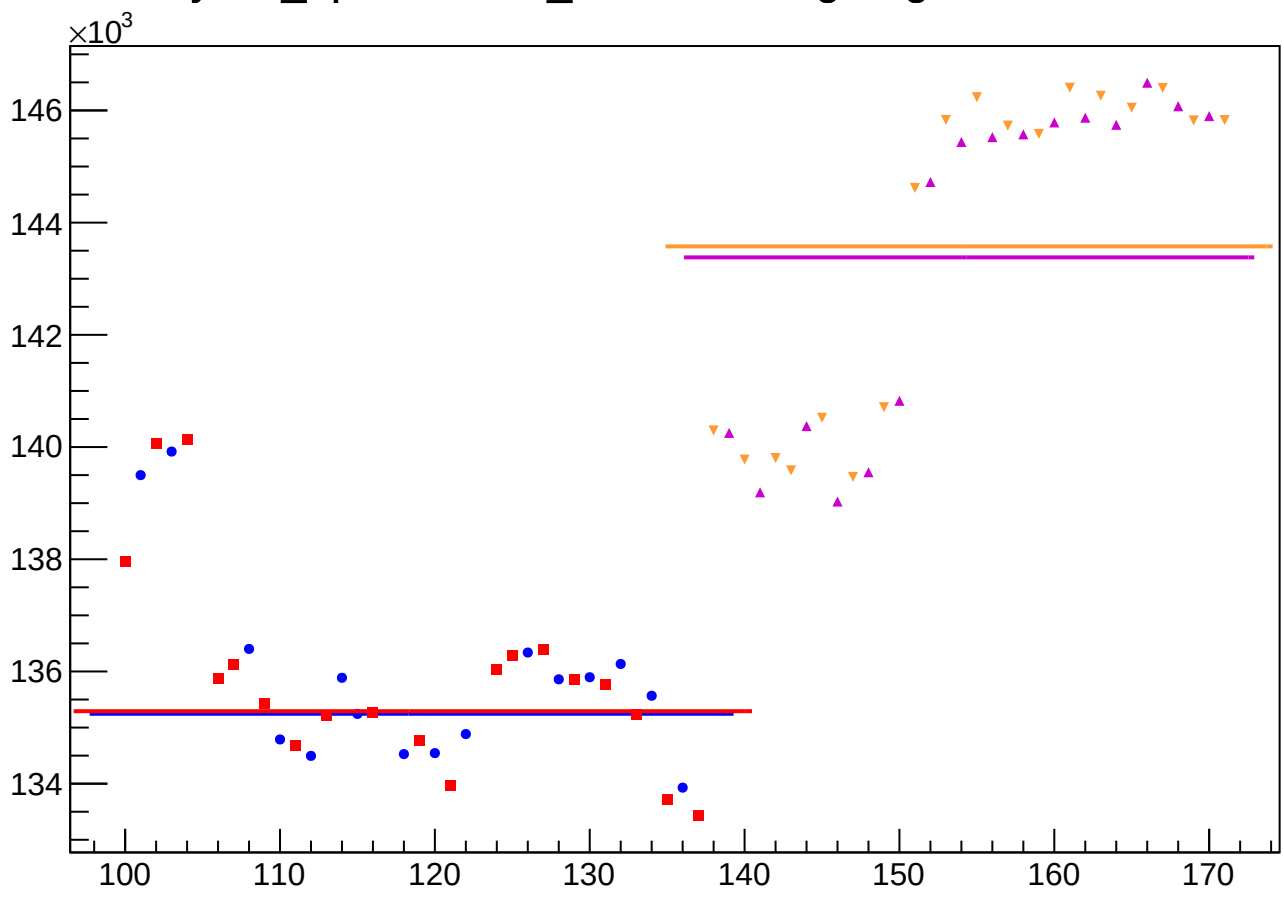
Left: 258.618+/-0.037 χ^2/NDF: 3849474.3/33

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 272.904+/-0.045 χ^2/NDF:3215714.2/31

Out: 258.136+/-0.042 χ^2/NDF:3860306.8/36

All: 264.940+/-0.031 χ^2/NDF: 7133630.9/68



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143576.436+/-0.053 χ^2/NDF:2927346799.7/17

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143380.918+/-0.057 χ^2/NDF:2521932853.7/15

Left: 143484.812+/-0.039 χ^2/NDF: 5455636843.9/3

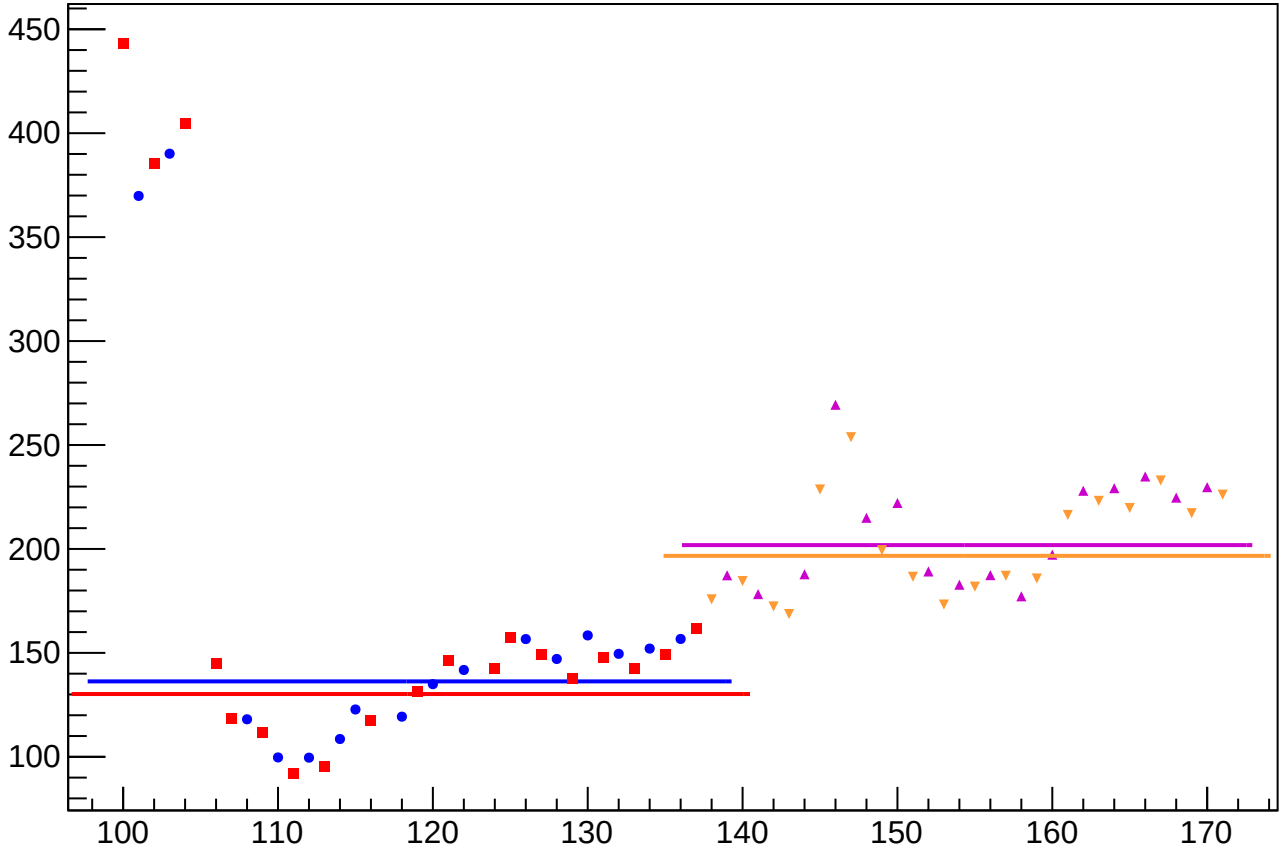
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139181.627+/-0.039 χ^2/NDF:13600923418.0/3

Out: 139328.718+/-0.037 χ^2/NDF:15797210240.1

All: 139259.524+/-0.027 χ^2/NDF: 29405458

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: 201.845+/-0.040 χ^2/NDF:348623.1/15

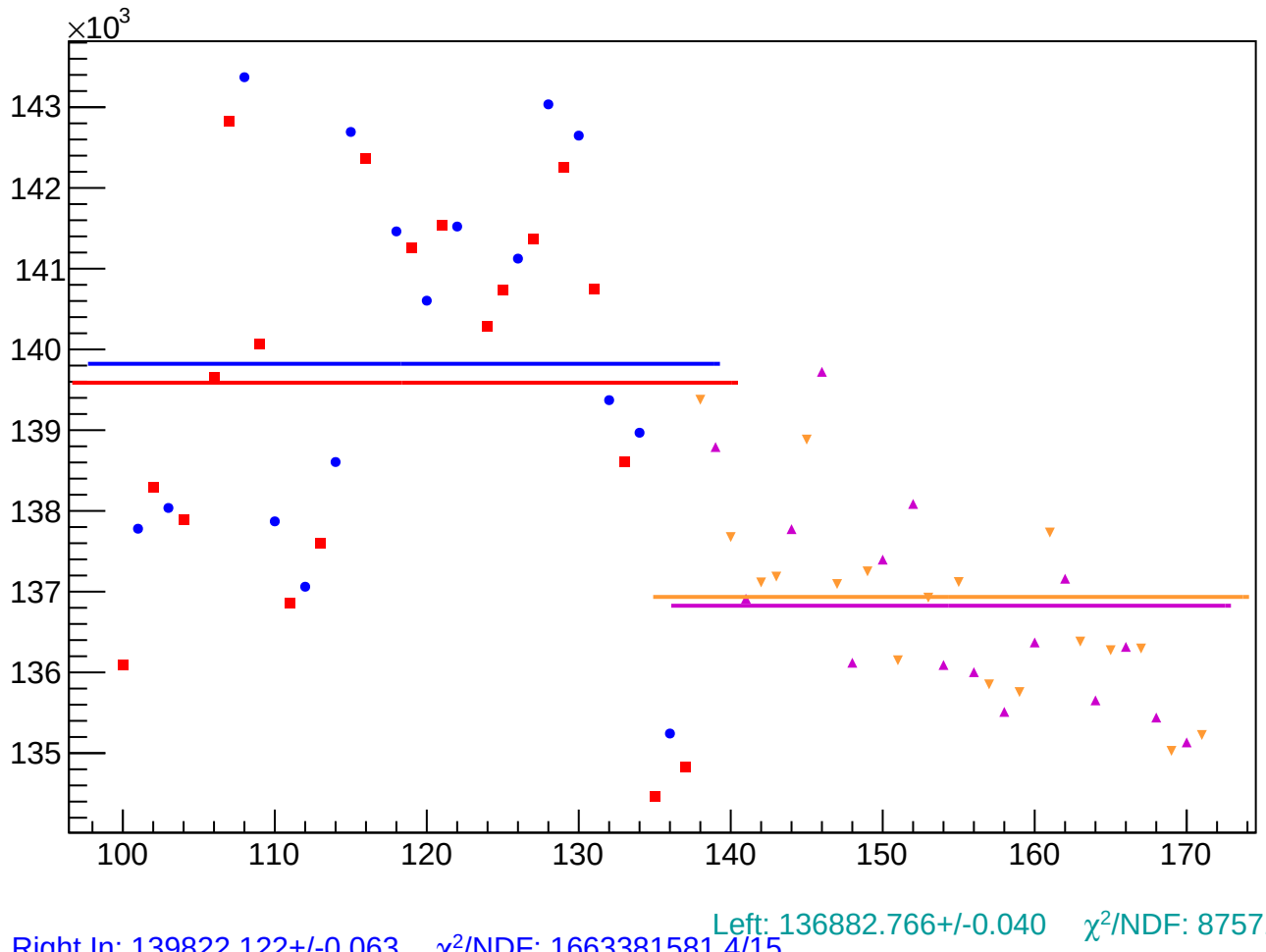
Left: 199.101+/-0.027 χ^2/NDF: 742863.3/33

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 168.001+/-0.028 χ^2/NDF:3121458.0/31

Out: 162.598+/-0.026 χ^2/NDF:3514316.7/36

All: 165.140+/-0.019 χ^2/NDF: 6655781.1/68



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: 136825.723+/-0.057 χ^2/NDF:440083240.4/15

Left: 136882.766+/-0.040 χ^2/NDF: 875716262.6/33

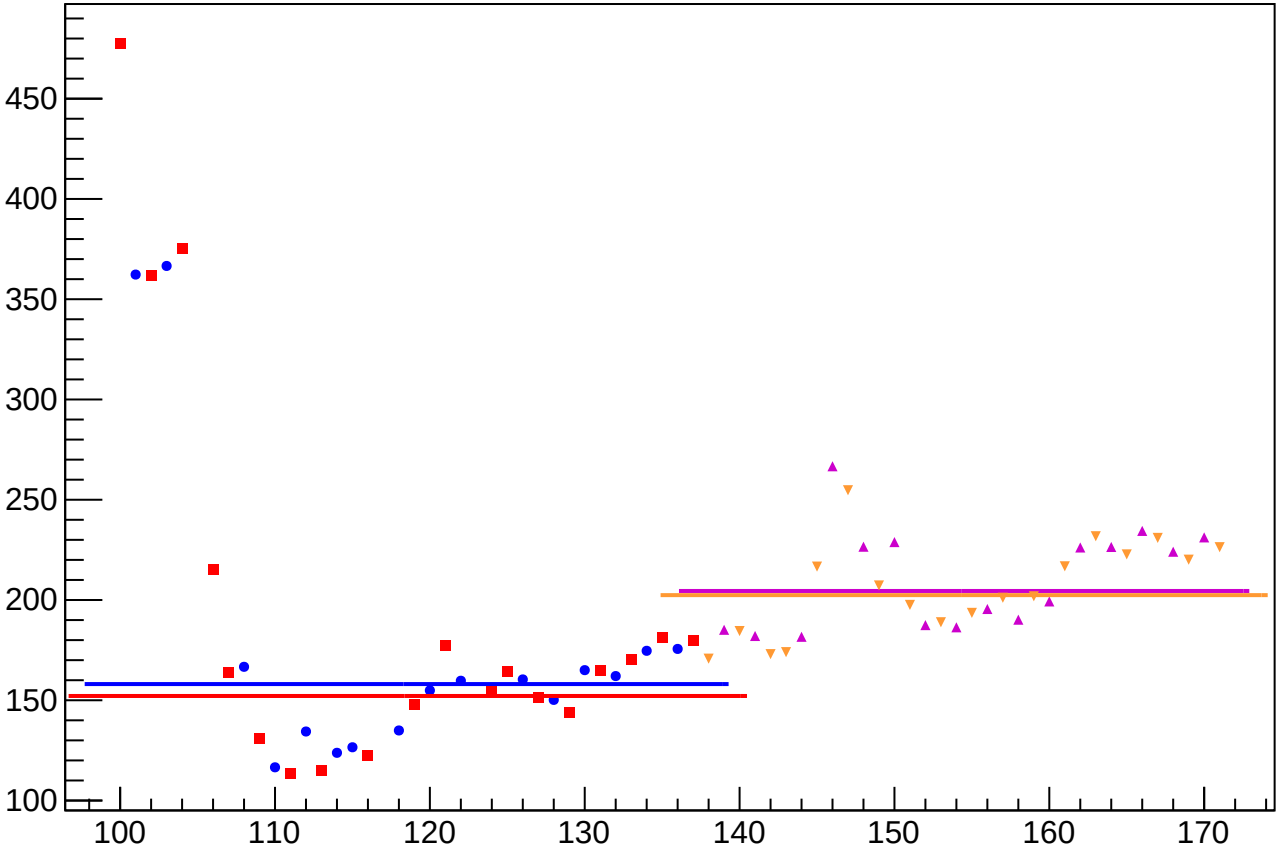
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138192.982+/-0.042 χ^2/NDF:3349481954.8/31

Out: 138144.491+/-0.040 χ^2/NDF:2990236713.5/3

All: 138167.593+/-0.029 χ^2/NDF: 63404073

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: 204.503+/-0.041 χ^2/NDF:324336.2/15

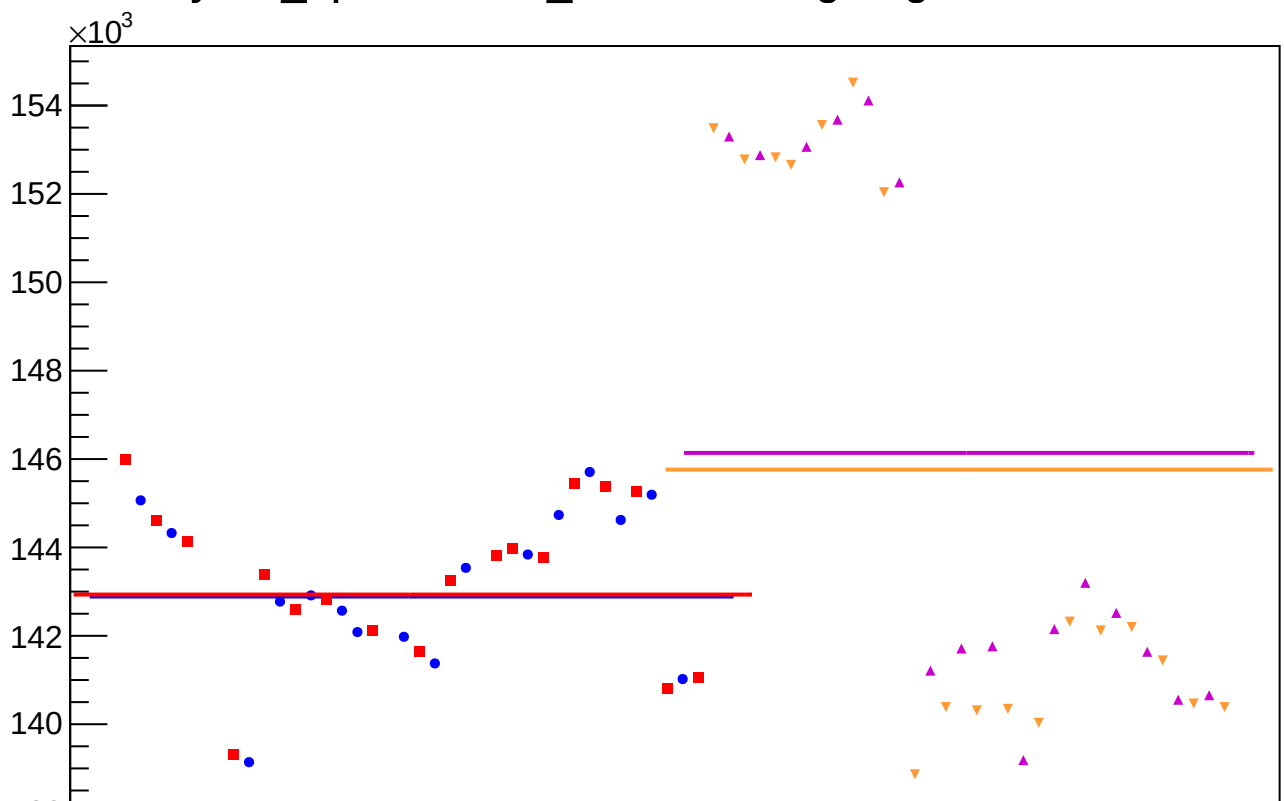
Left: 203.417+/-0.028 χ^2/NDF: 644119.3/33

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 183.320+/-0.030 χ^2/NDF:1940452.8/31

Out: 179.498+/-0.029 χ^2/NDF:2318885.9/36

All: 181.319+/-0.021 χ^2/NDF: 4267895.8/68



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: 146139.114+/-0.058 χ^2/NDF:10238151119.1/15

Left: 145940.803+/-0.040 χ^2/NDF: 22637032811.0

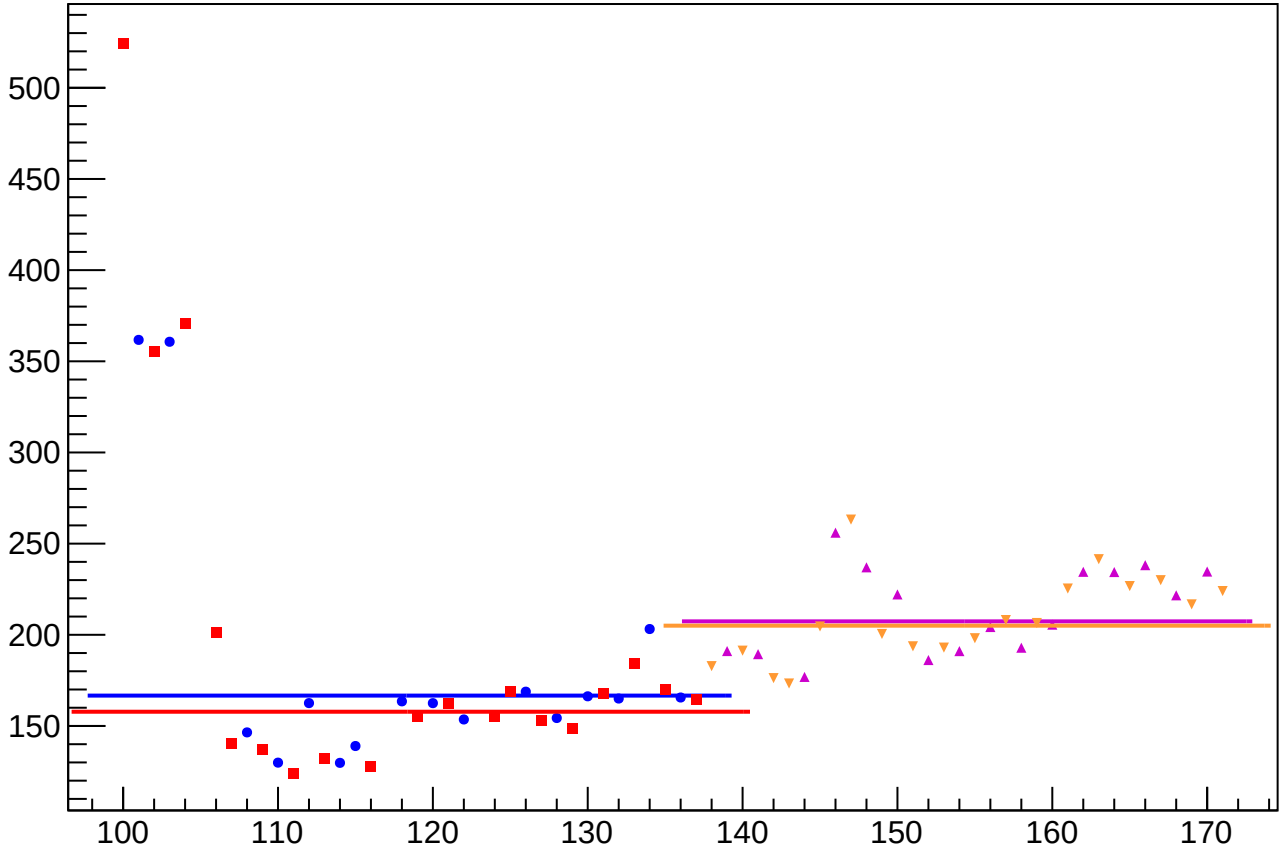
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144713.215+/-0.044 χ^2/NDF:12375186462.8/3

Out: 144497.446+/-0.041 χ^2/NDF:14331305301.2/

All: 144599.292+/-0.030 χ^2/NDF: 26719476

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: 207.372+/-0.041 χ^2/NDF:305060.8/15

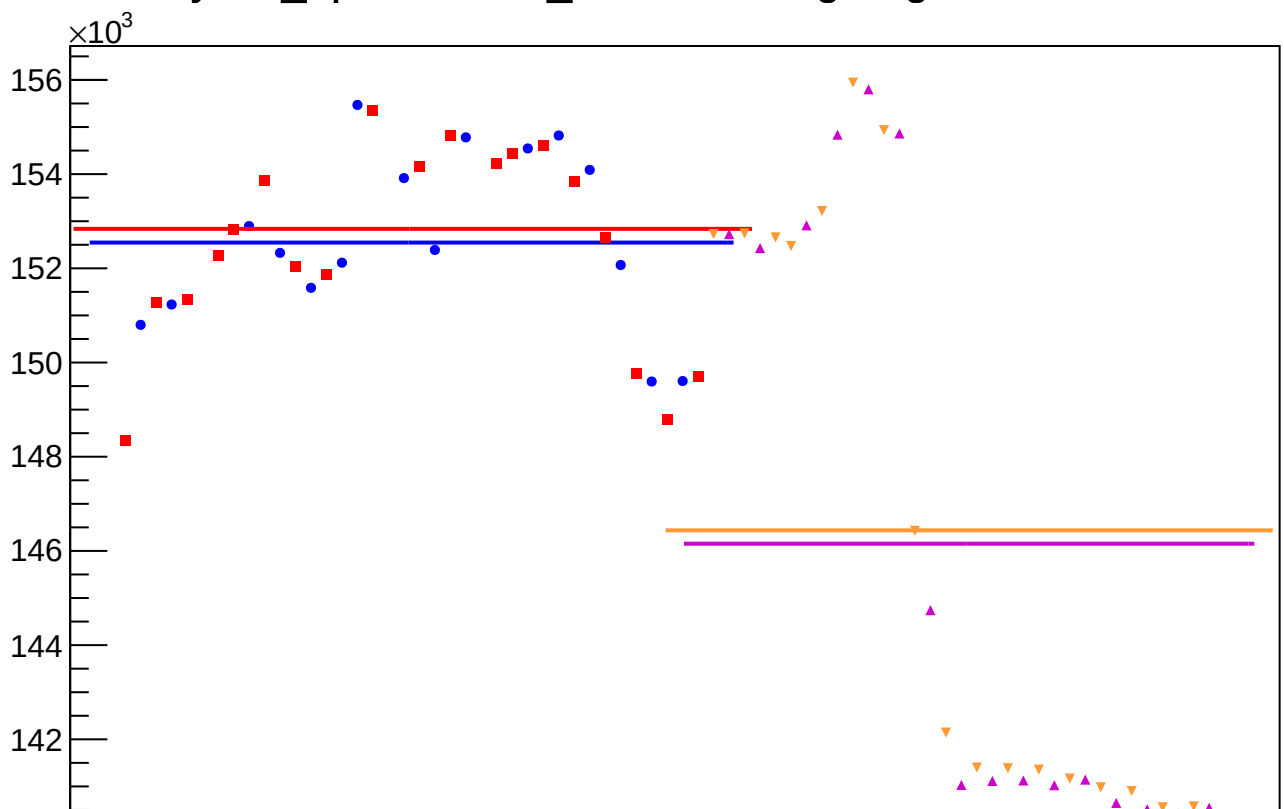
Left: 206.131+/-0.028 χ^2/NDF: 603908.9/33

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 189.507+/-0.031 χ^2/NDF:1599911.9/31

Out: 183.912+/-0.029 χ^2/NDF:1970113.6/36

All: 186.553+/-0.021 χ^2/NDF: 3587485.4/68



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: 146153.524+/-0.058 χ^2/NDF:11144694238.0/15

Left: 146301.804+/-0.040 χ^2/NDF: 22568038236.3

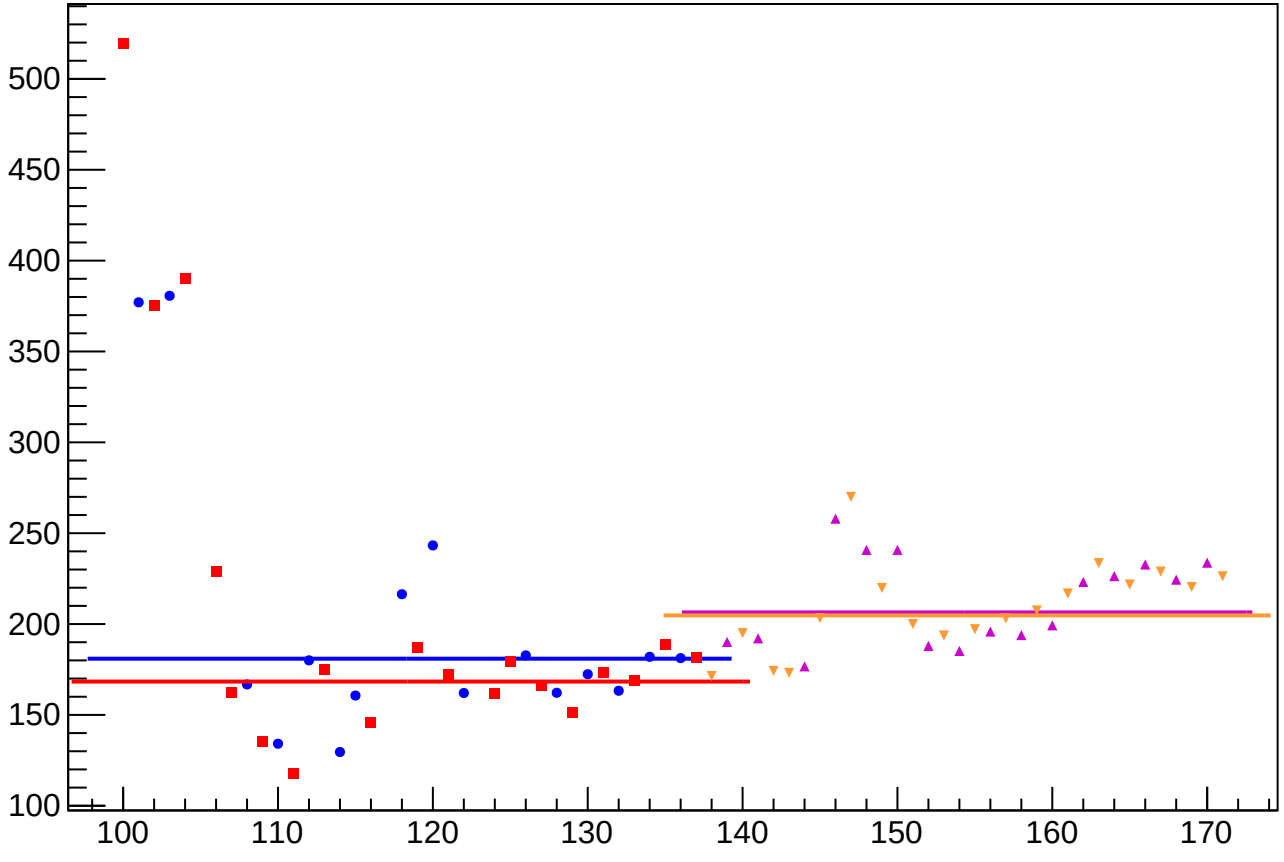
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0

In: 148625.949+/-0.045 χ^2/NDF:16553304013.8/3

Out: 149034.192+/-0.042 χ^2/NDF:17626692464.3

All: 148842.619+/-0.031 χ^2/NDF: 342233745

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: 206.416+/-0.041 χ^2/NDF:329681.2/15

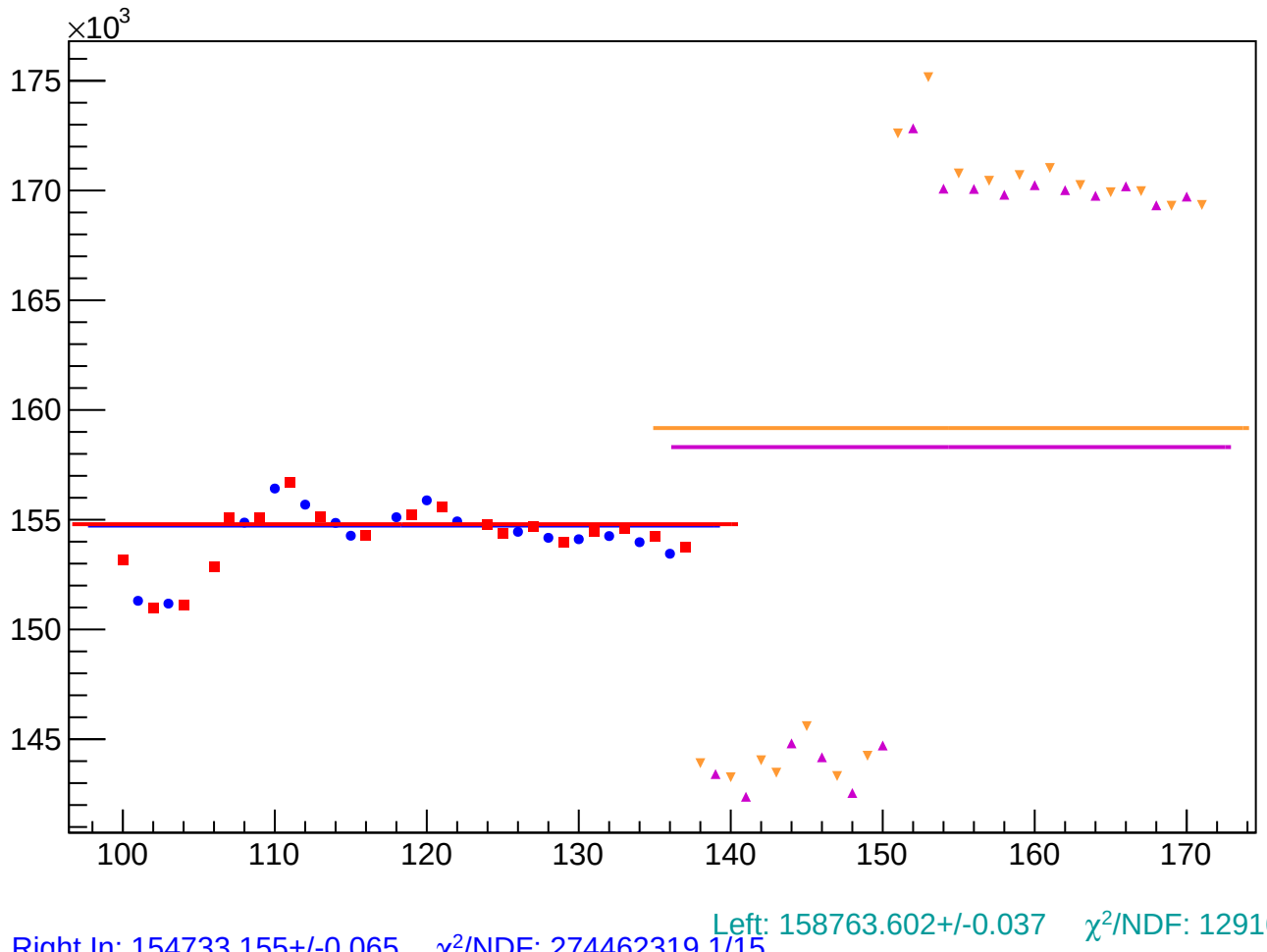
Left: 205.550+/-0.028 χ^2/NDF: 661453.6/33

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 196.564+/-0.032 χ^2/NDF:1388432.1/31

Out: 189.986+/-0.030 χ^2/NDF:1774577.5/36

All: 193.073+/-0.022 χ^2/NDF: 3185531.0/68



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: 158309.123+/-0.054 χ^2/NDF:60133536164.1/15

Left: 158763.602+/-0.037 χ^2/NDF: 129160564517.

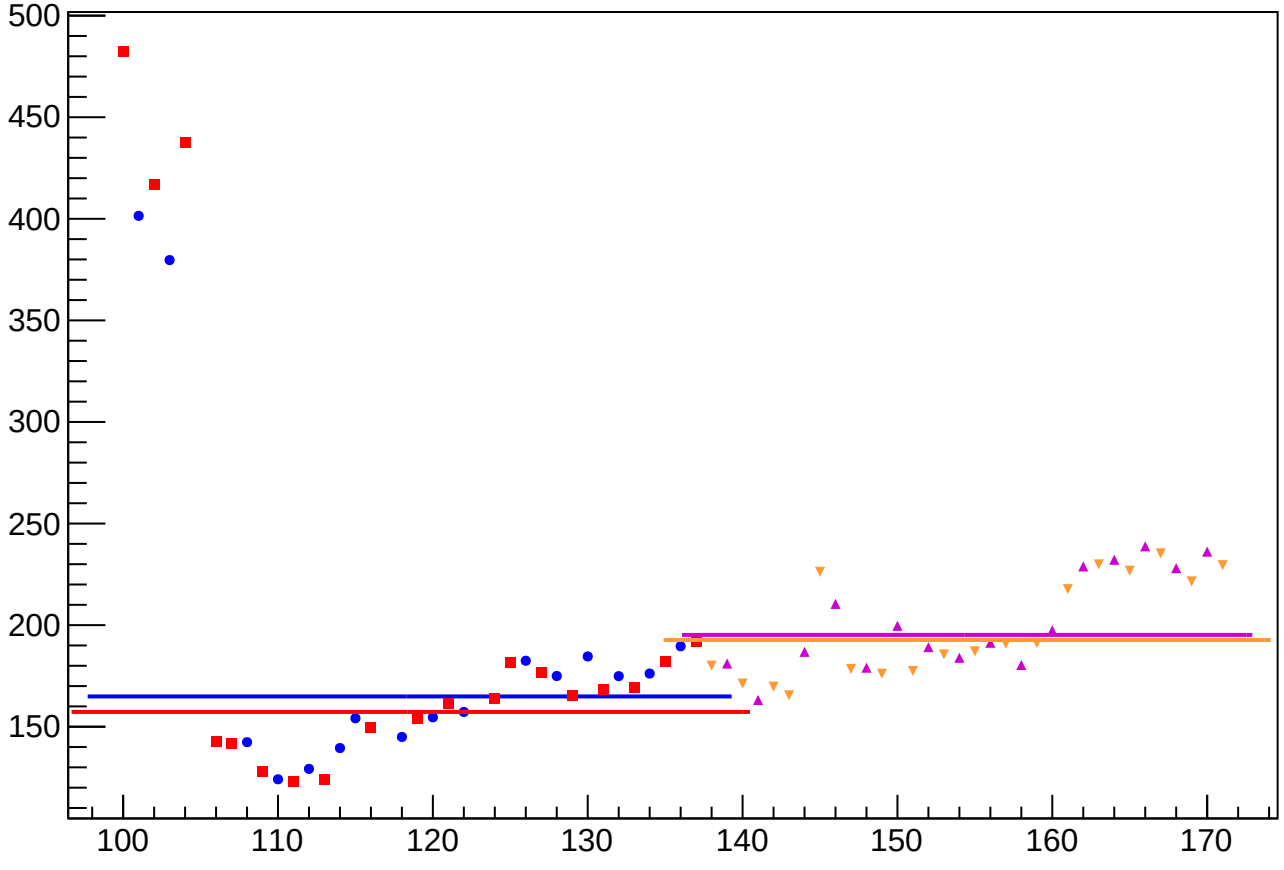
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 156842.409+/-0.042 χ^2/NDF:62182561973.9/3

Out: 157343.803+/-0.039 χ^2/NDF:72190652651.6

All: 157107.039+/-0.029 χ^2/NDF: 13444932

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: 195.189+/-0.038 χ^2/NDF:312871.0/15

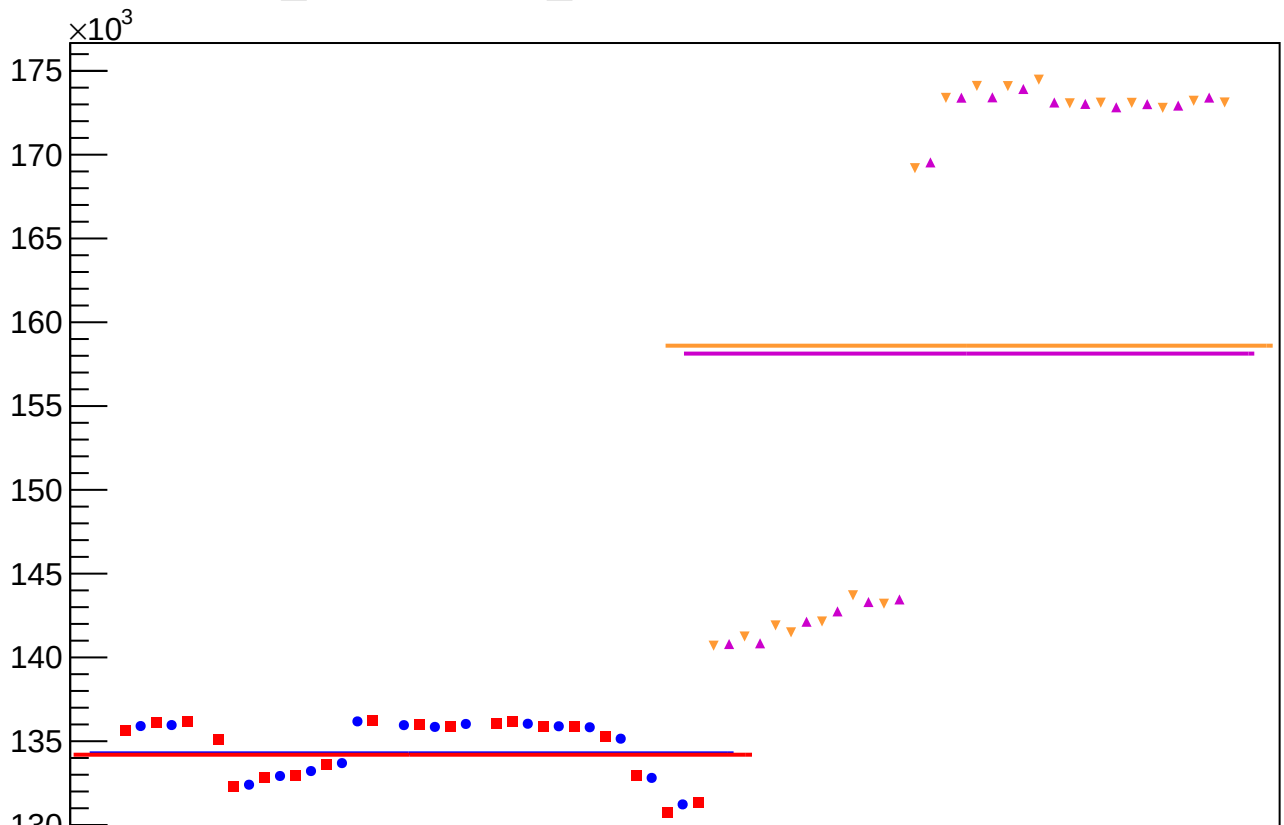
Left: 193.877+/-0.027 χ^2/NDF: 698722.6/33

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

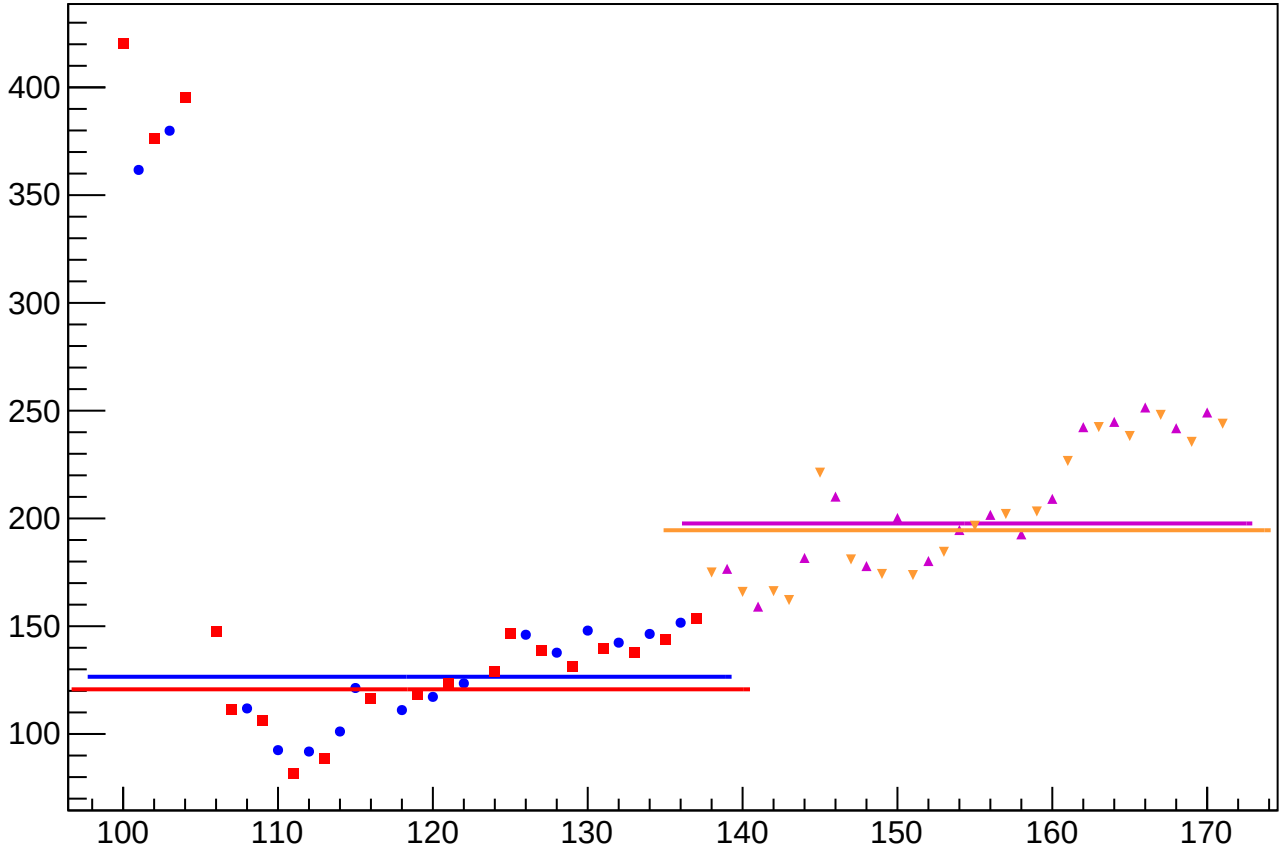
In: 182.768+/-0.030 χ^2/NDF:1640113.8/31

Out: 177.878+/-0.028 χ^2/NDF:2029535.0/36

All: 180.187+/-0.020 χ^2/NDF: 3684128.3/68


yield_bpm1i04WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
145
140
135
130
100
110
120
130
140
150
160
170
Right In: 134276.096+/-0.051 χ²/NDF: 1142867100.2/15
Left Out: 158602.691+/-0.052 χ²/NDF:86810467485.2/17
Right Out: 134195.257+/-0.048 χ²/NDF: 1205537499.7/18
Left In: 158130.161+/-0.055 χ²/NDF:77231417932.8/15
Left: 158378.674+/-0.038 χ²/NDF: 164080323746.
Right: 134233.345+/-0.035 χ²/NDF: 2349742421.8/
In: 145205.095+/-0.037 χ²/NDF:179295485570.3
Out: 145306.993+/-0.035 χ²/NDF:205854642457.
All: 145258.846+/-0.026 χ²/NDF: 38515404

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: 197.675+/-0.039 χ^2/NDF:467372.0/15

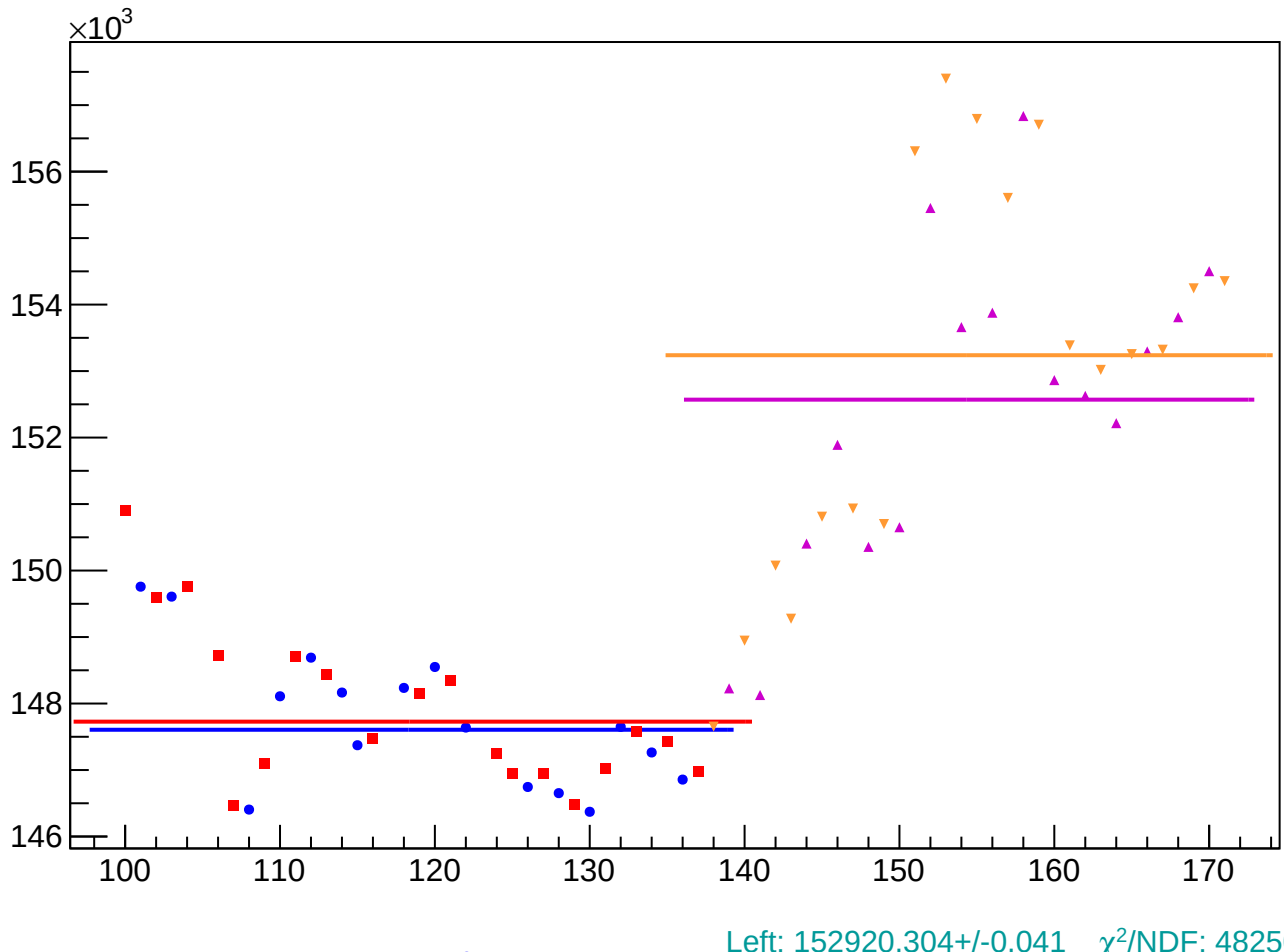
Left: 196.018+/-0.027 χ^2/NDF: 1044963.2/33

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 159.137+/-0.026 χ^2/NDF:3739232.6/31

Out: 154.322+/-0.025 χ^2/NDF:4361675.8/36

All: 156.597+/-0.018 χ^2/NDF: 8118386.8/68



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: 152570.208+/-0.059 χ^2/NDF:1808793213.9/15

Left: 152920.304+/-0.041 χ^2/NDF: 4825064201.9/3

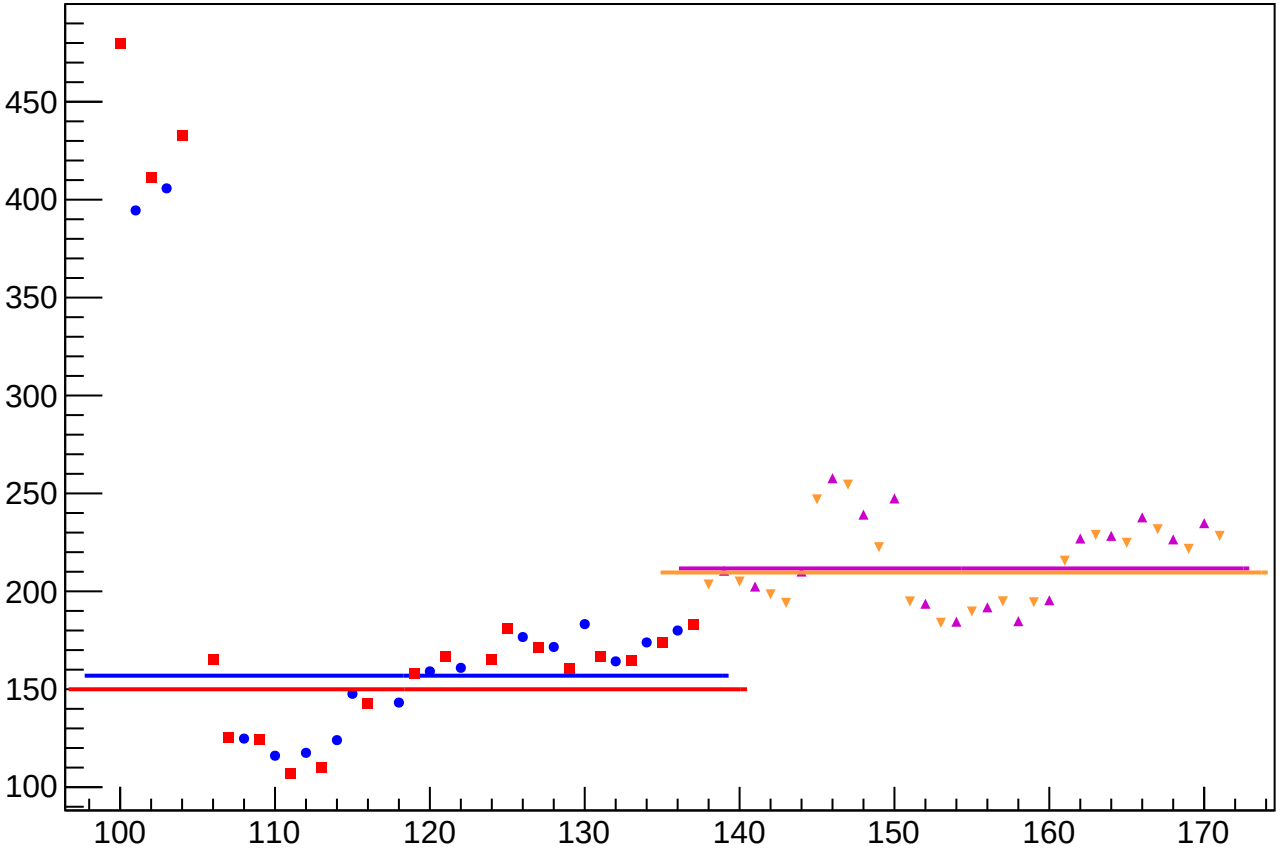
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150230.771+/-0.043 χ^2/NDF:5348499494.5/31

Out: 150612.186+/-0.041 χ^2/NDF:7721061189.1/3

All: 150431.522+/-0.030 χ^2/NDF: 13111929

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: 211.686+/-0.042 χ^2/NDF:286780.5/15

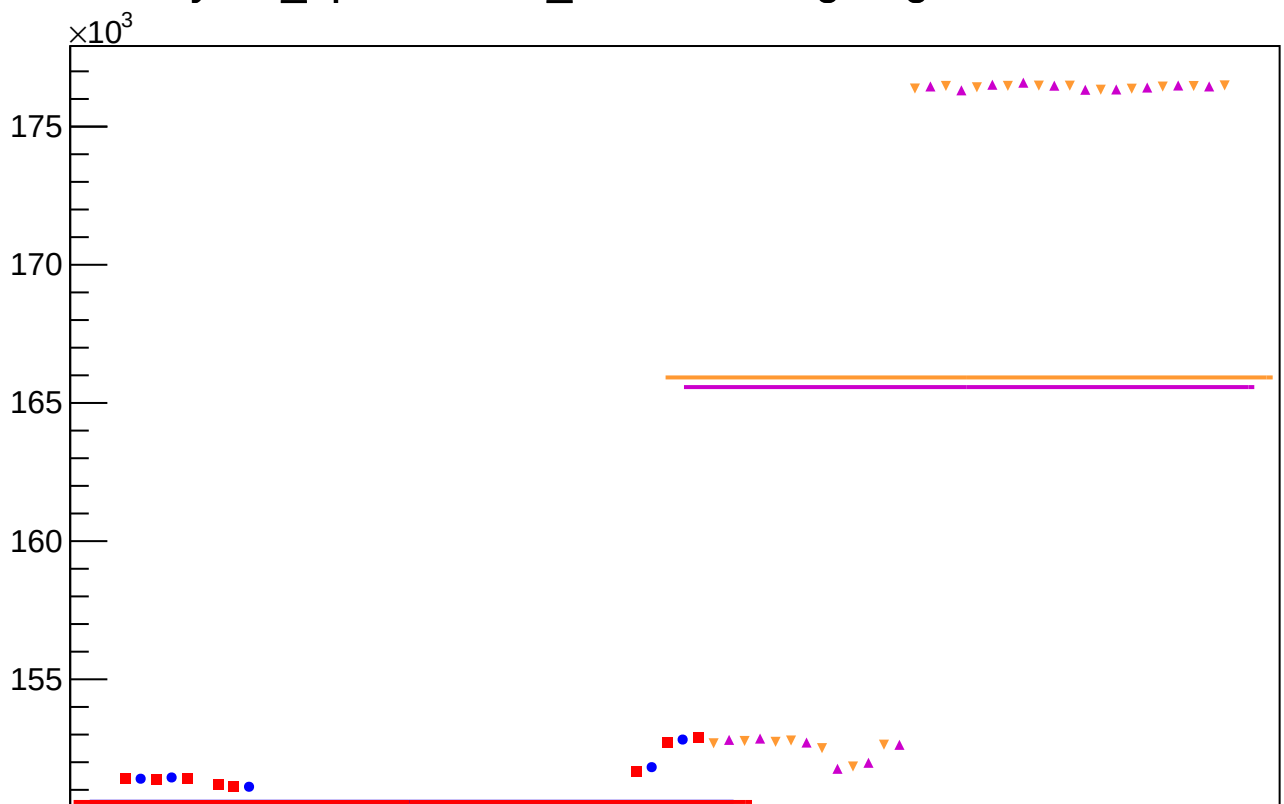
Left: 210.605+/-0.029 χ^2/NDF: 523676.9/33

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

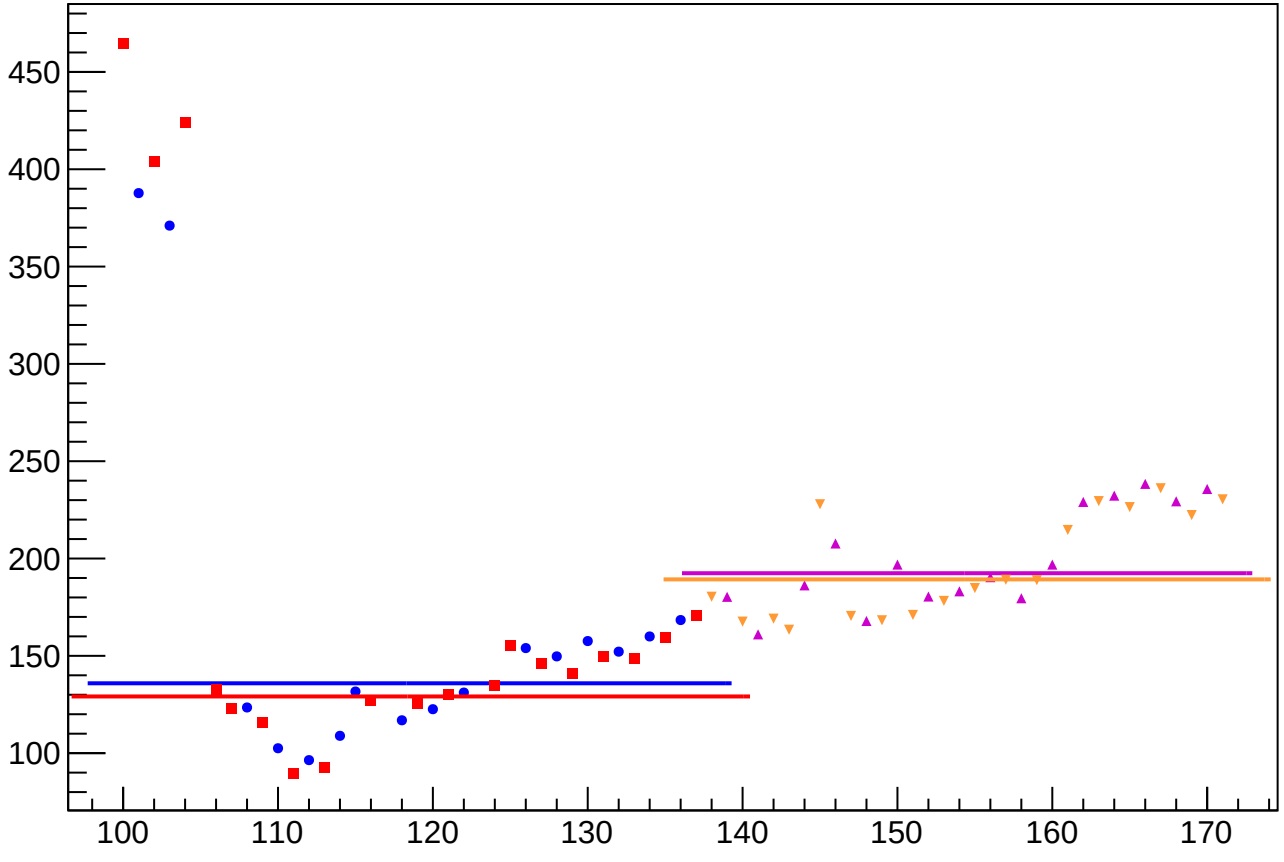
In: 185.882+/-0.030 χ^2/NDF:2365018.5/31

Out: 181.205+/-0.029 χ^2/NDF:2761273.7/36

All: 183.420+/-0.021 χ^2/NDF: 5138812.5/68


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
110
120
130
140
150
160
170
Right In: 150568.638+/-0.055 χ²/NDF: 237155171.8/15
Left Out: 165923.347+/-0.051 χ²/NDF:54281523083.6/17
Right Out: 150561.647+/-0.051 χ²/NDF: 197500782.5/18
Left In: 165574.255+/-0.054 χ²/NDF:49432437926.3/15
Left: 165758.053+/-0.037 χ²/NDF: 103736236048.
Right: 150564.903+/-0.037 χ²/NDF: 434664709.4/3
In: 158201.779+/-0.038 χ²/NDF:88075961683.3/3
Out: 158255.355+/-0.036 χ²/NDF:99951020381.3
All: 158230.195+/-0.026 χ²/NDF: 18802802

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: 192.456+/-0.038 χ^2/NDF:361382.9/15

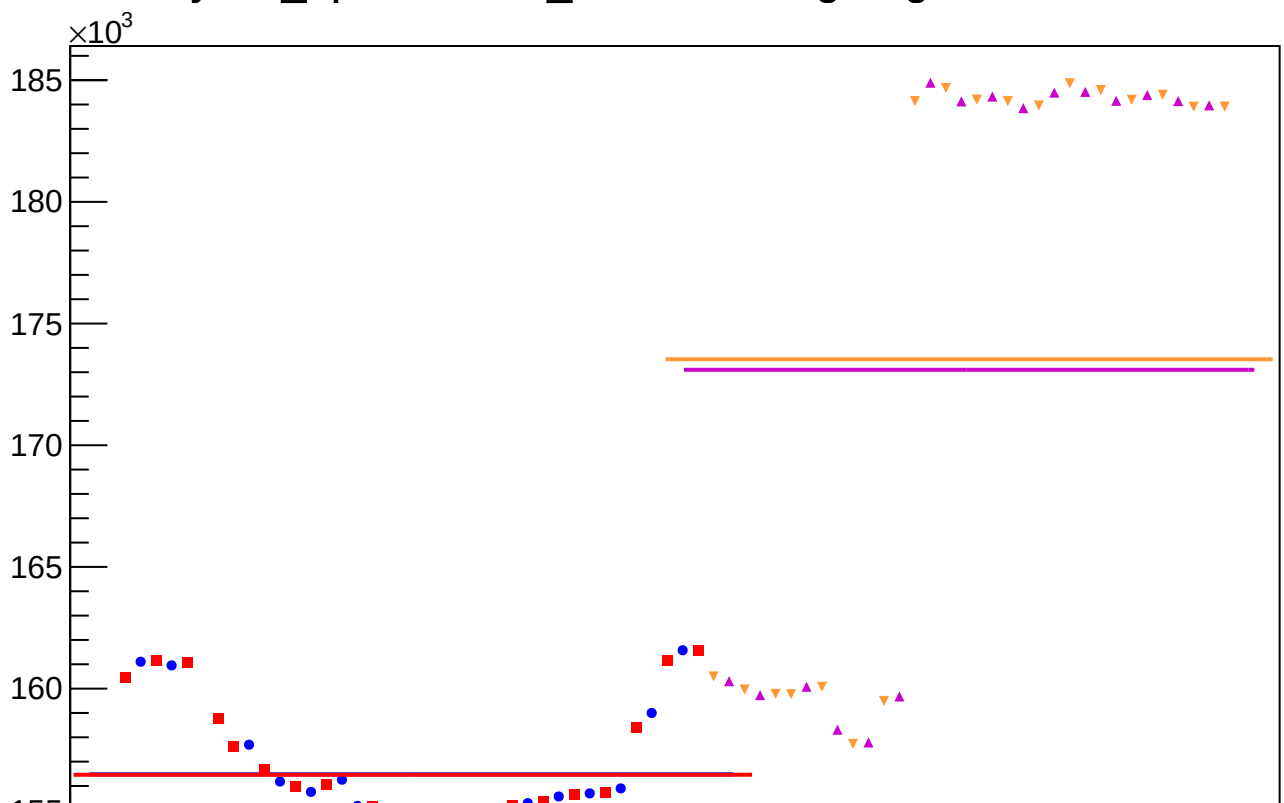
Left: 190.787+/-0.026 χ^2/NDF: 824200.2/33

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 164.667+/-0.027 χ^2/NDF:2868993.8/31

Out: 159.259+/-0.025 χ^2/NDF:3468042.4/36

All: 161.798+/-0.019 χ^2/NDF: 6358213.0/68



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: 173100.537+/-0.055 χ^2/NDF:50400277749.6/15

Left: 173327.933+/-0.038 χ^2/NDF: 104763869930.

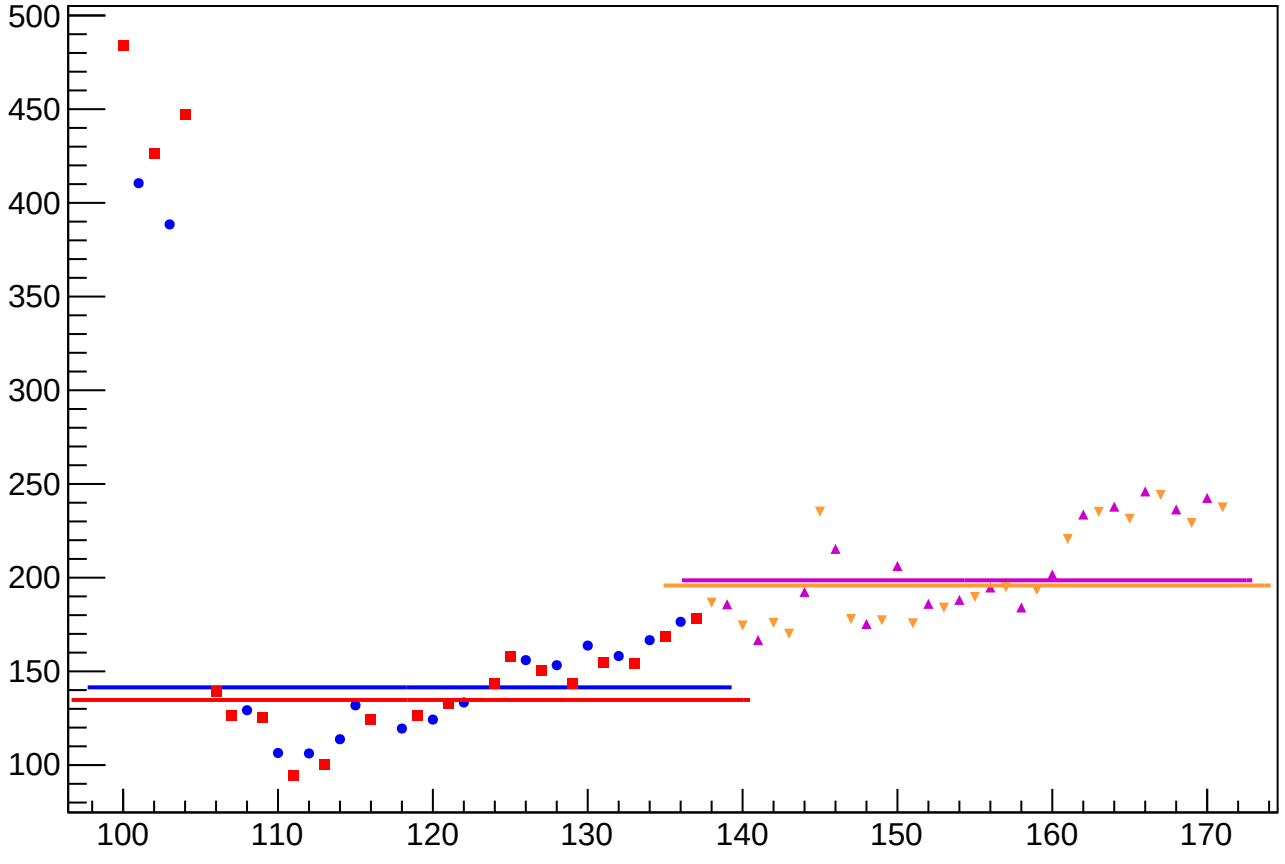
Right: 156468.838+/-0.039 χ^2/NDF: 2390033091.6/

In: 165003.415+/-0.040 χ^2/NDF:95590974597.1/3

Out: 165076.978+/-0.037 χ^2/NDF:107553109729.

All: 165042.356+/-0.027 χ^2/NDF: 20314590

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: 198.589+/-0.039 χ^2/NDF:349126.1/15

Left: 197.137+/-0.027 χ^2/NDF: 781904.7/33

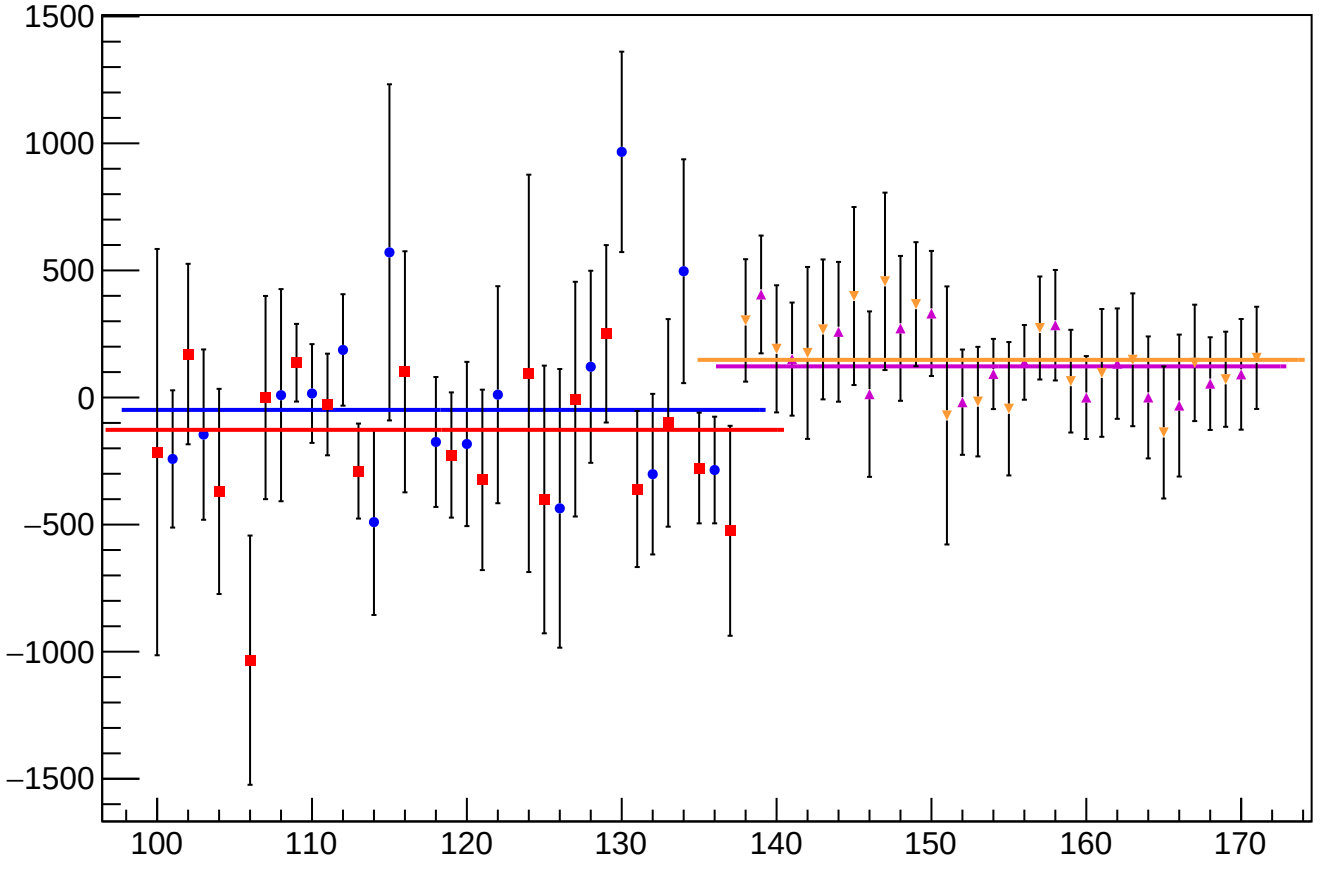
Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 170.765+/-0.028 χ^2/NDF:2777853.3/31

Out: 165.571+/-0.026 χ^2/NDF:3343384.8/36

All: 168.016+/-0.019 χ^2/NDF: 6139399.1/68

asym_bcm_target_mean vs Slug, Sign Corrected



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: 122.538+/-51.731 χ^2/NDF:5.2/15

Left: 133.869+/-38.679 χ^2/NDF: 11.4/33

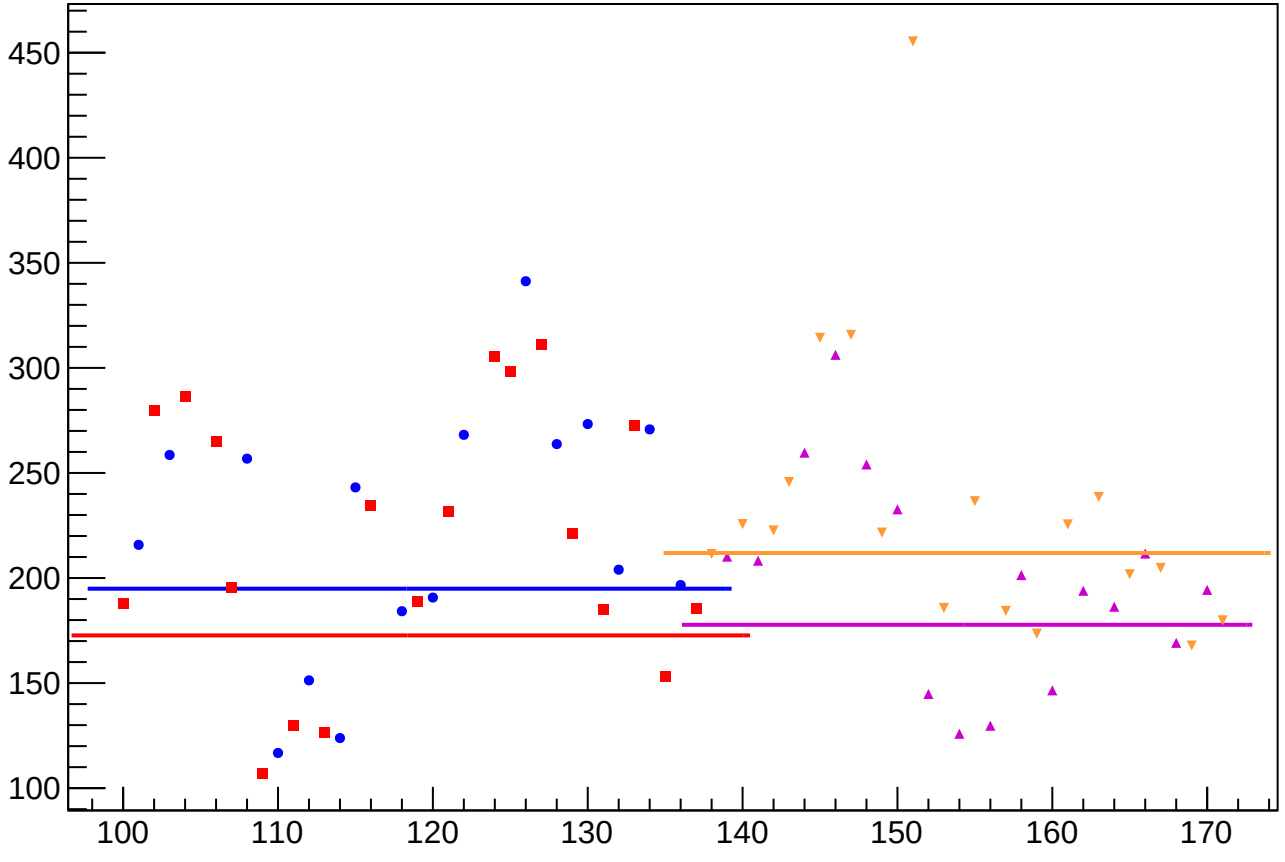
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.879+/-42.869 χ^2/NDF:24.1/31

Out: 32.644+/-44.376 χ^2/NDF:28.3/36

All: 51.387+/-30.832 χ^2/NDF: 52.7/68

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: 177.752+/-0.037 χ^2/NDF:1511104.1/15

Left: 192.813+/-0.027 χ^2/NDF: 3094417.2/33

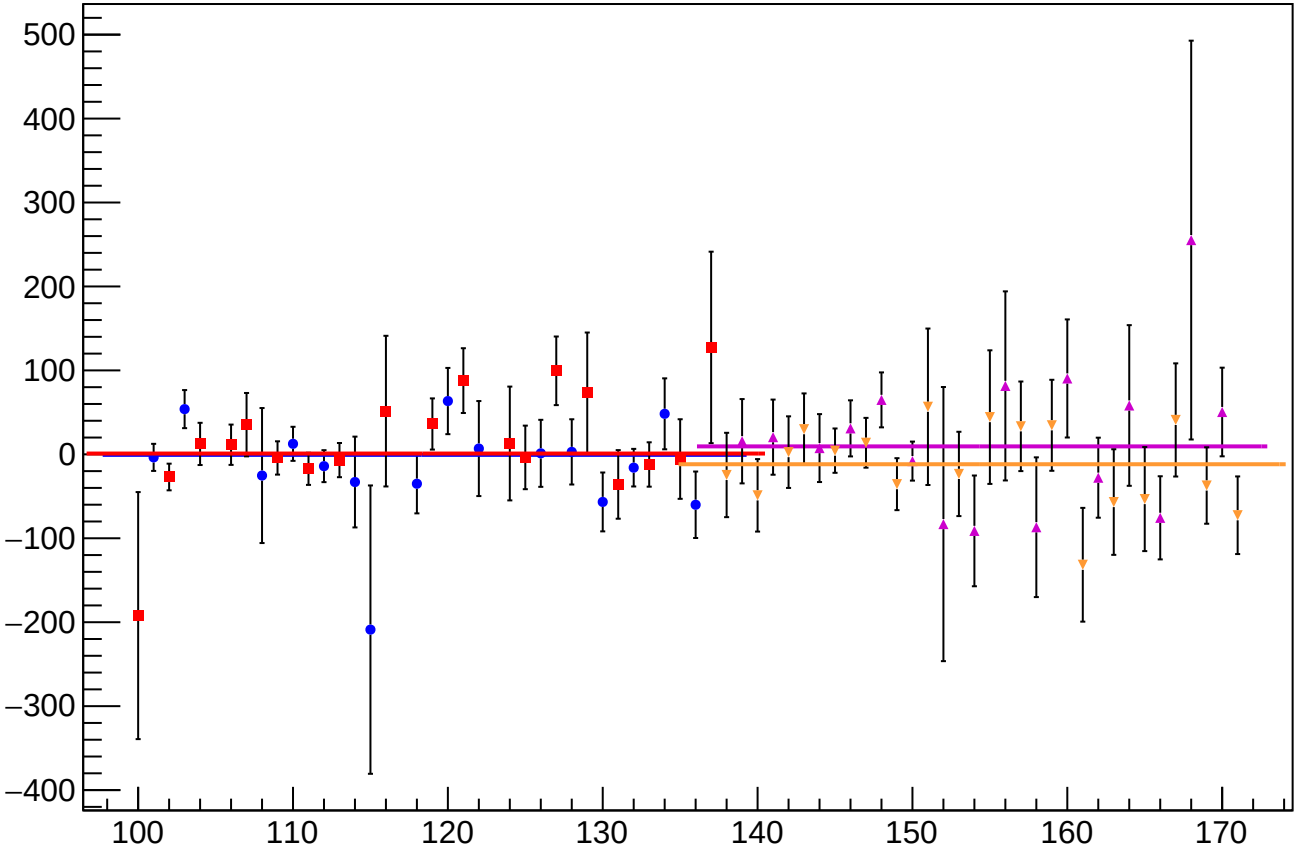
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.131+/-0.030 χ^2/NDF:2609035.7/31

Out: 195.458+/-0.031 χ^2/NDF:3210352.6/36

All: 189.082+/-0.022 χ^2/NDF: 5899219.8/68

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: 9.468+/-11.776 χ^2/NDF:15.1/15

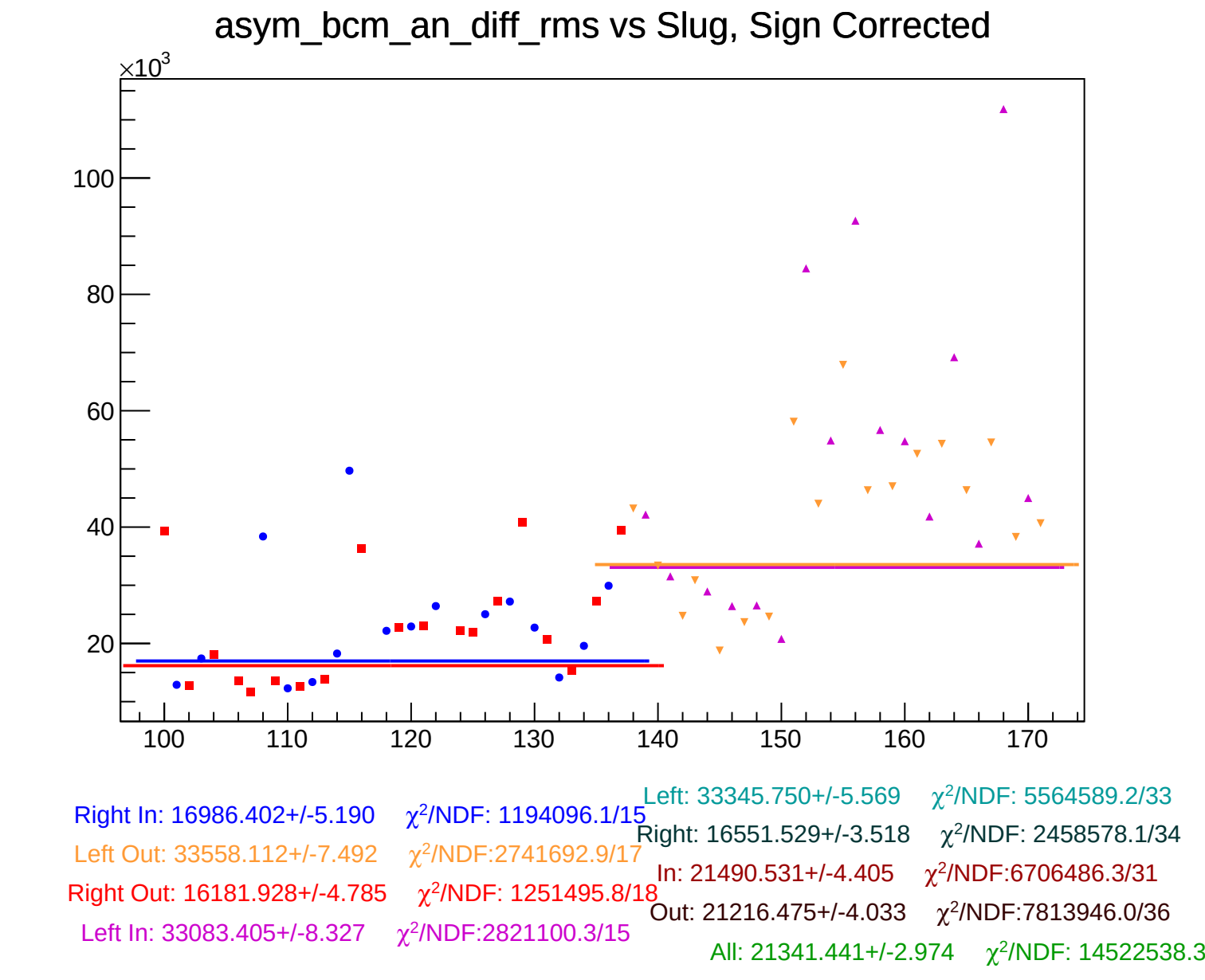
Left: -2.284+/-7.876 χ^2/NDF: 29.8/33

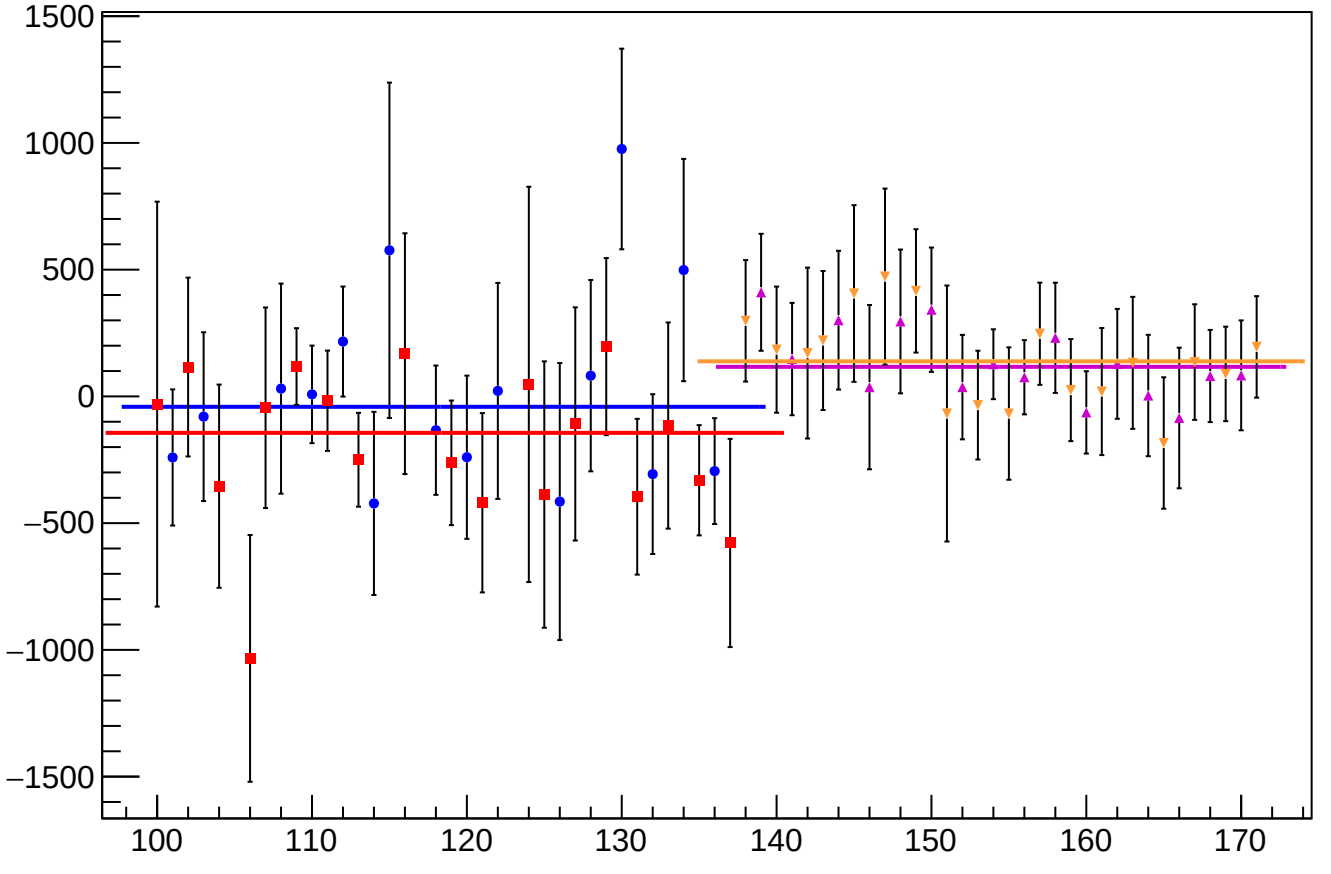
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.200+/-6.229 χ^2/NDF:34.6/31

Out: -2.752+/-5.703 χ^2/NDF:36.9/36

All: -0.494+/-4.206 χ^2/NDF: 71.8/68


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 33558.112+/-7.492 χ²/NDF:2741692.9/17
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 33083.405+/-8.327 χ²/NDF:2821100.3/15
Left: 33345.750+/-5.569 χ²/NDF: 5564589.2/33
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 21490.531+/-4.405 χ²/NDF:6706486.3/31
Out: 21216.475+/-4.033 χ²/NDF:7813946.0/36
All: 21341.441+/-2.974 χ²/NDF: 14522538.3



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: 116.630+/-51.550 χ^2/NDF:6.0/15

Left: 126.242+/-38.533 χ^2/NDF: 13.4/33

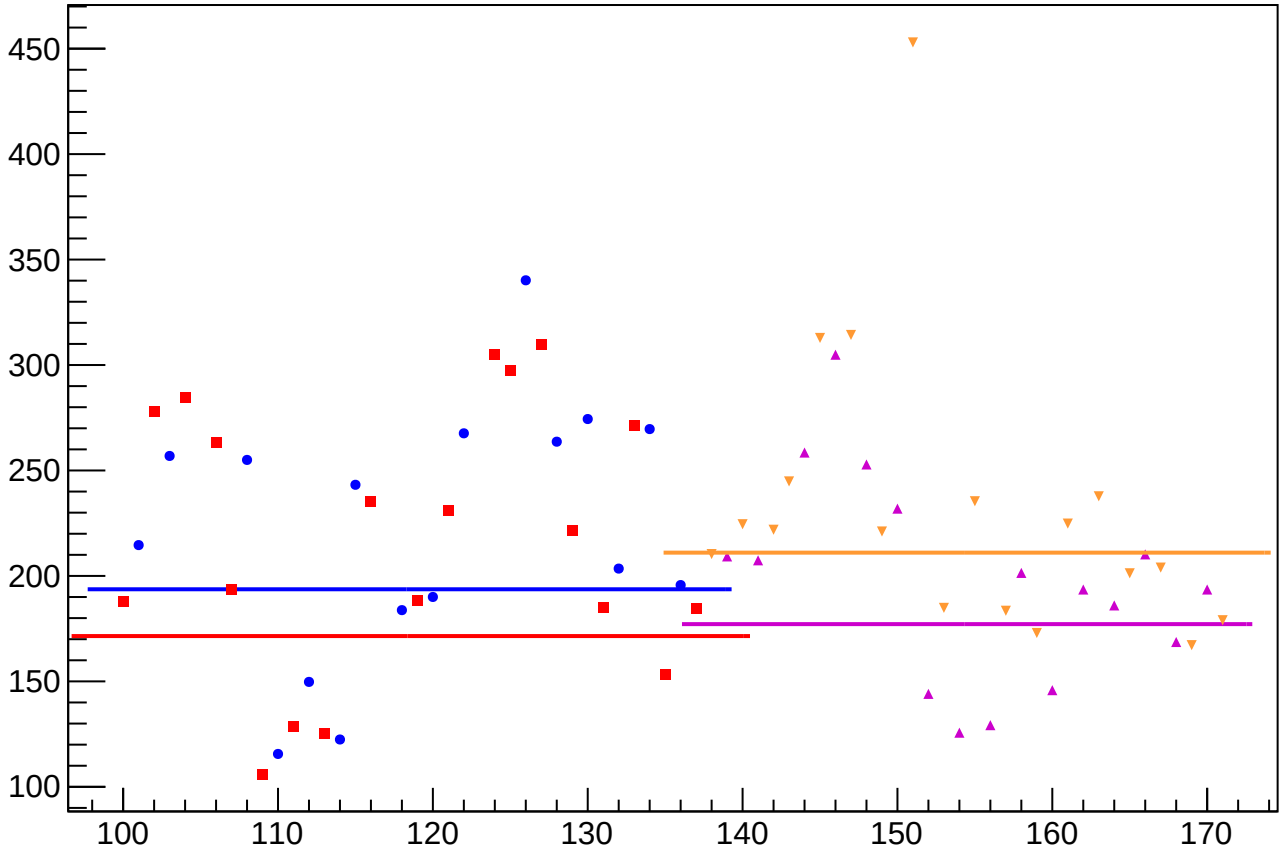
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 67.085+/-42.689 χ^2/NDF:24.4/31

Out: 19.701+/-44.153 χ^2/NDF:30.3/36

All: 44.191+/-30.690 χ^2/NDF: 55.3/68

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: 177.149+/-0.036 χ^2/NDF:1507967.5/15

Left: 192.105+/-0.027 χ^2/NDF: 3087394.9/33

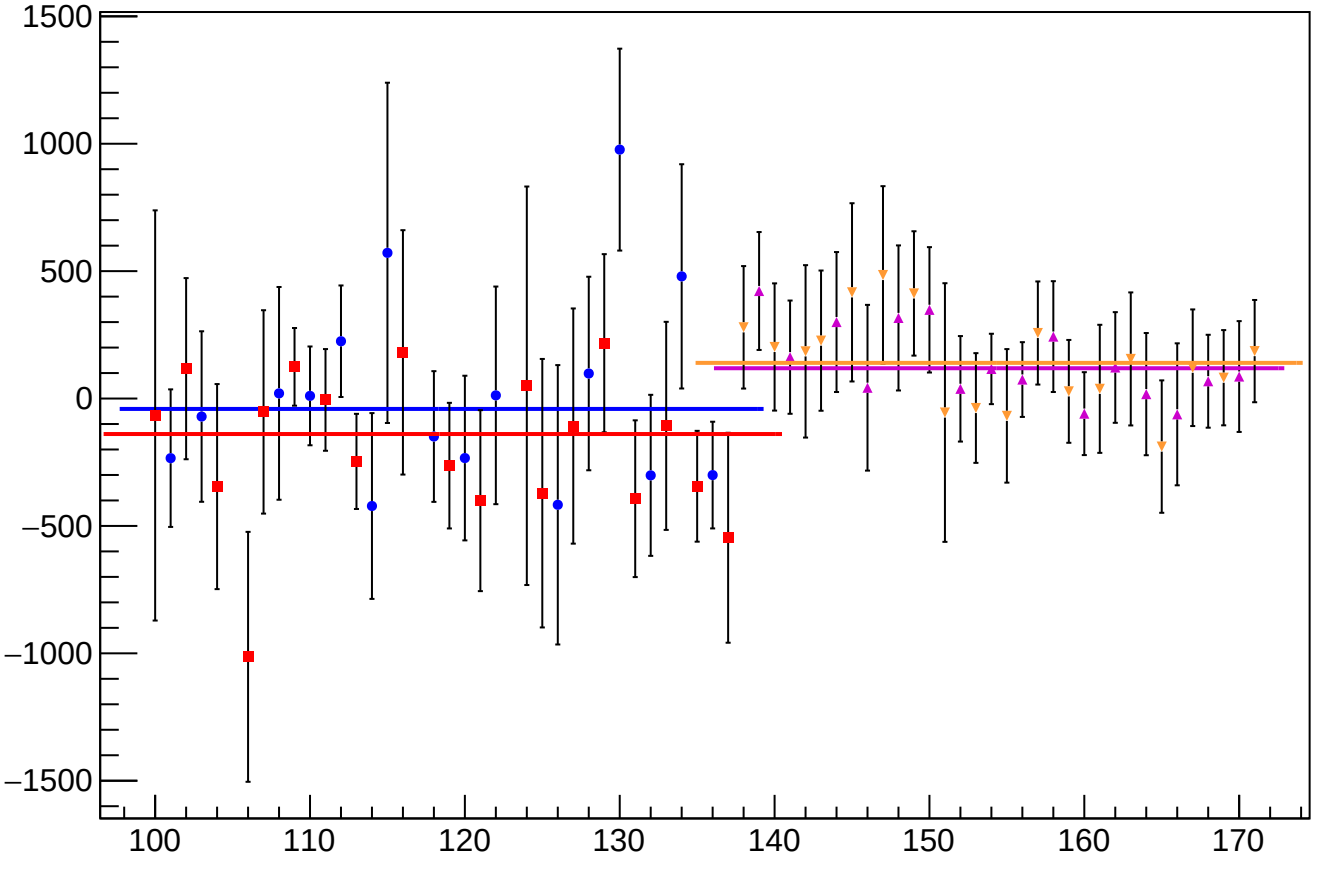
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 182.340+/-0.030 χ^2/NDF:2622291.3/31

Out: 194.403+/-0.031 χ^2/NDF:3242137.4/36

All: 188.168+/-0.022 χ^2/NDF: 5941588.8/68

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



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: 118.877+/-51.685 χ^2/NDF:6.1/15

Left: 128.196+/-38.642 χ^2/NDF: 13.5/33

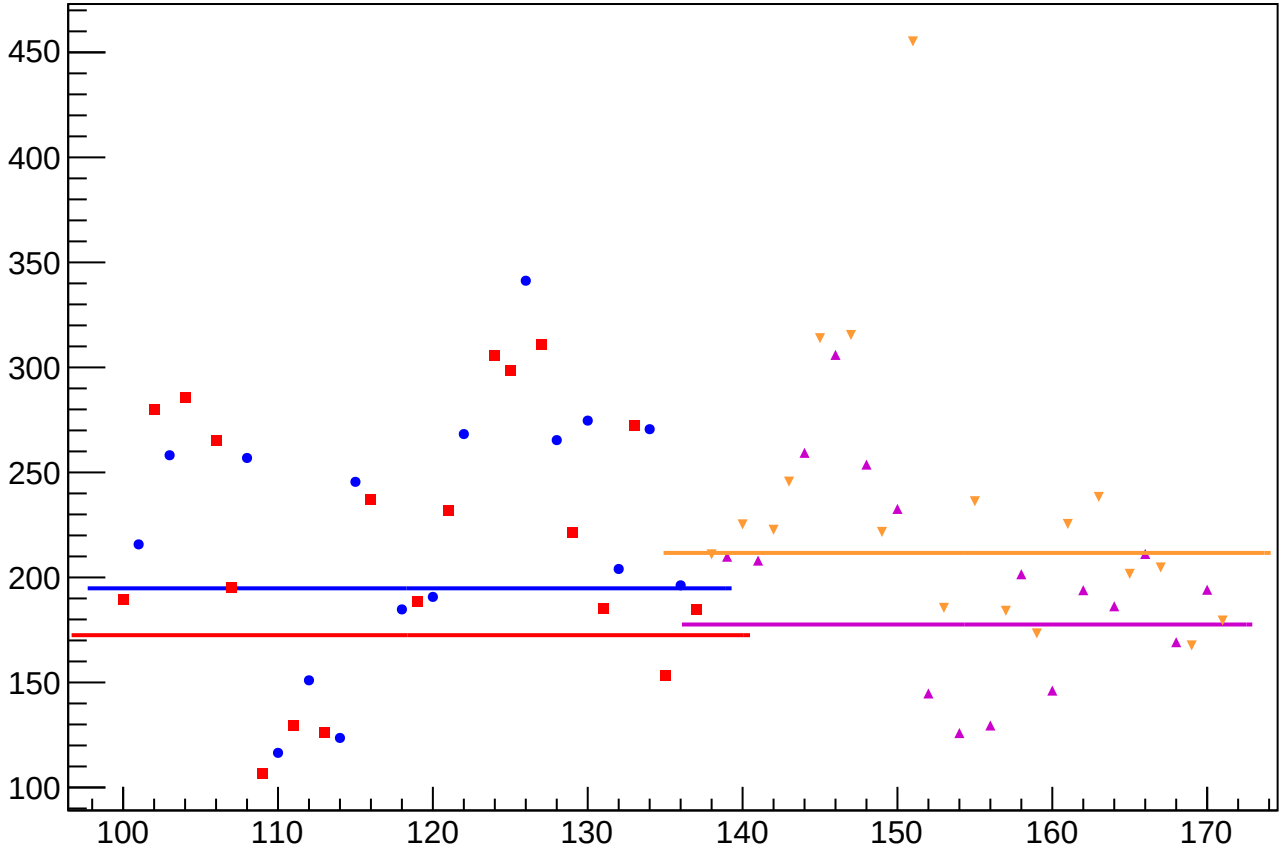
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 68.905+/-42.841 χ^2/NDF:24.4/31

Out: 22.863+/-44.336 χ^2/NDF:29.9/36

All: 46.674+/-30.808 χ^2/NDF: 54.9/68

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: 177.594+/-0.037 χ^2/NDF:1511282.0/15

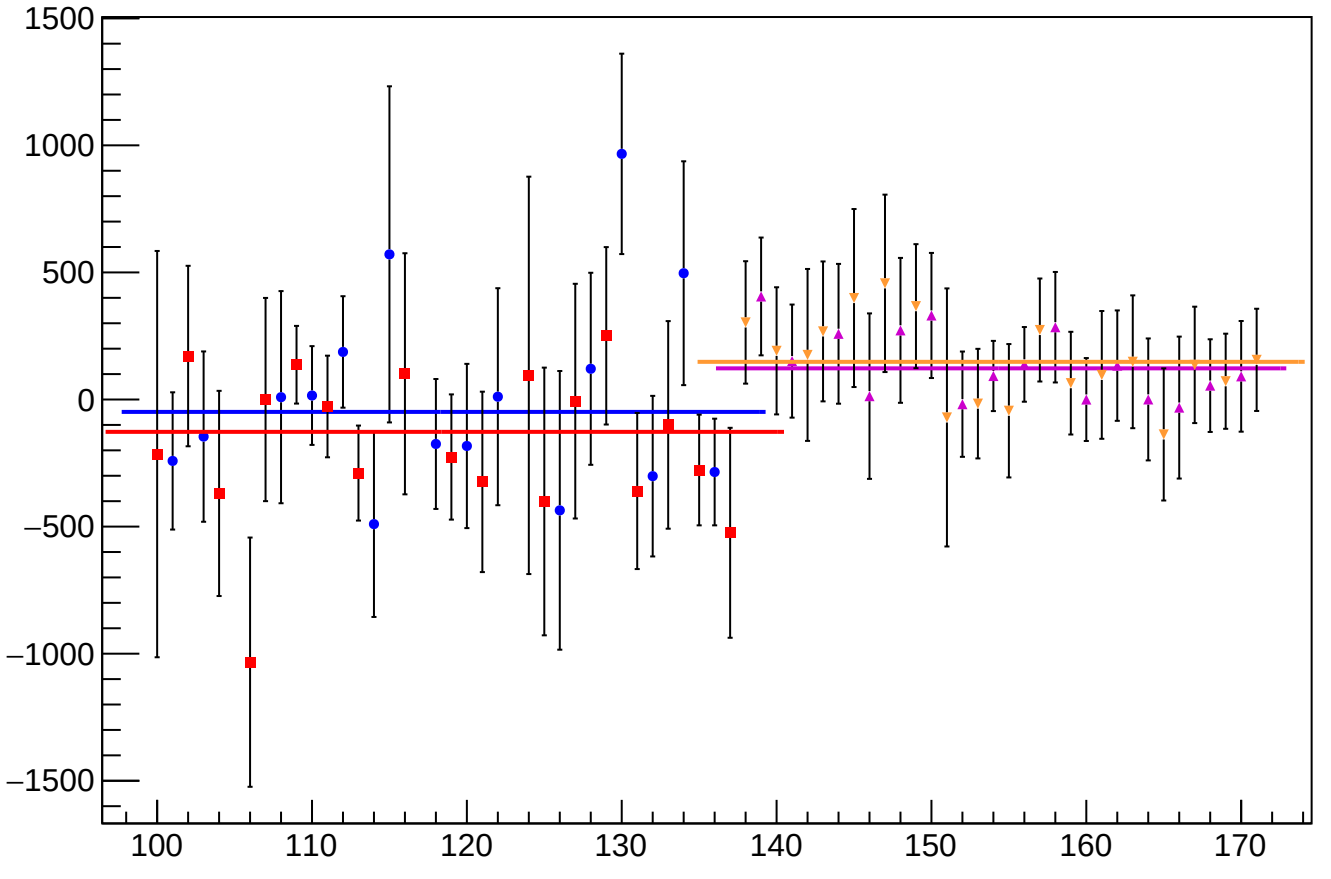
Left: 192.626+/-0.027 χ^2/NDF: 3095765.0/33

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 182.985+/-0.030 χ^2/NDF:2619902.0/31

Out: 195.248+/-0.031 χ^2/NDF:3223112.4/36

All: 188.906+/-0.022 χ^2/NDF: 5922146.2/68



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: 122.538+/-51.731 χ^2/NDF:5.2/15

Left: 133.869+/-38.679 χ^2/NDF: 11.4/33

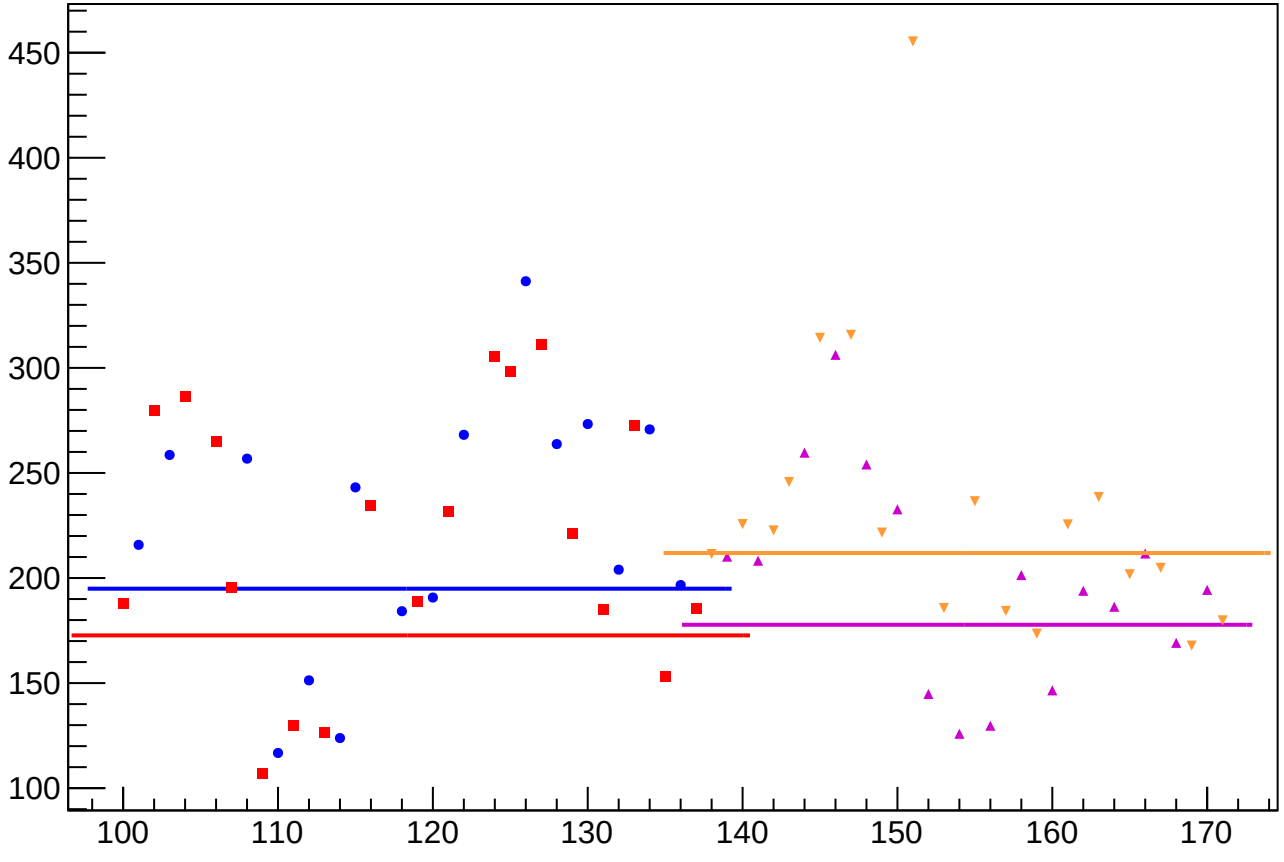
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 68.879+/-42.869 χ^2/NDF:24.1/31

Out: 32.644+/-44.376 χ^2/NDF:28.3/36

All: 51.387+/-30.832 χ^2/NDF: 52.7/68

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: 177.752+/-0.037 χ^2/NDF:1511104.1/15

Left: 192.813+/-0.027 χ^2/NDF: 3094417.2/33

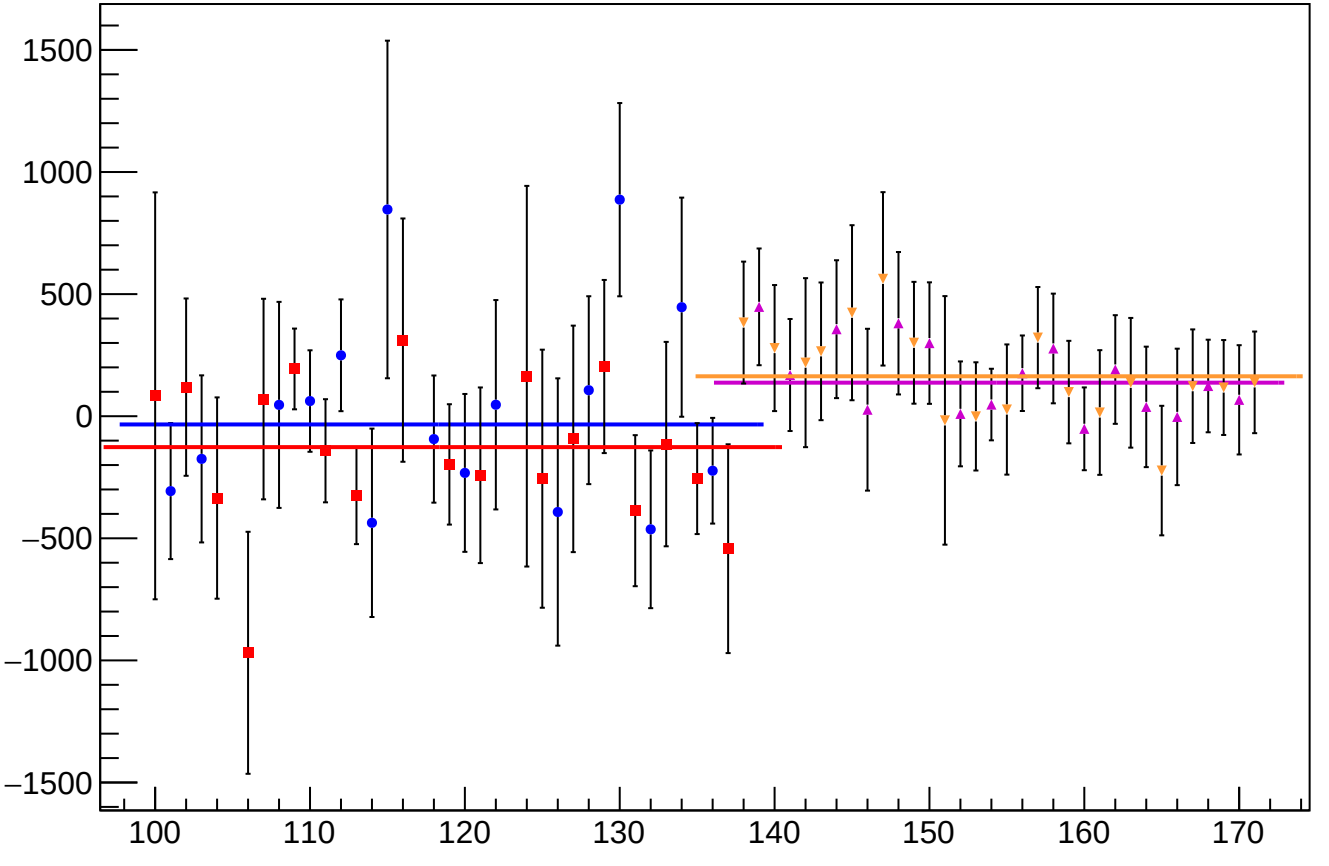
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 183.131+/-0.030 χ^2/NDF:2609035.7/31

Out: 195.458+/-0.031 χ^2/NDF:3210352.6/36

All: 189.082+/-0.022 χ^2/NDF: 5899219.8/68

asym_bcm_dg_us_mean vs Slug, Sign Corrected



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: 137.371+/-53.607 χ^2/NDF:6.5/15

Left: 149.010+/-39.910 χ^2/NDF: 14.1/33

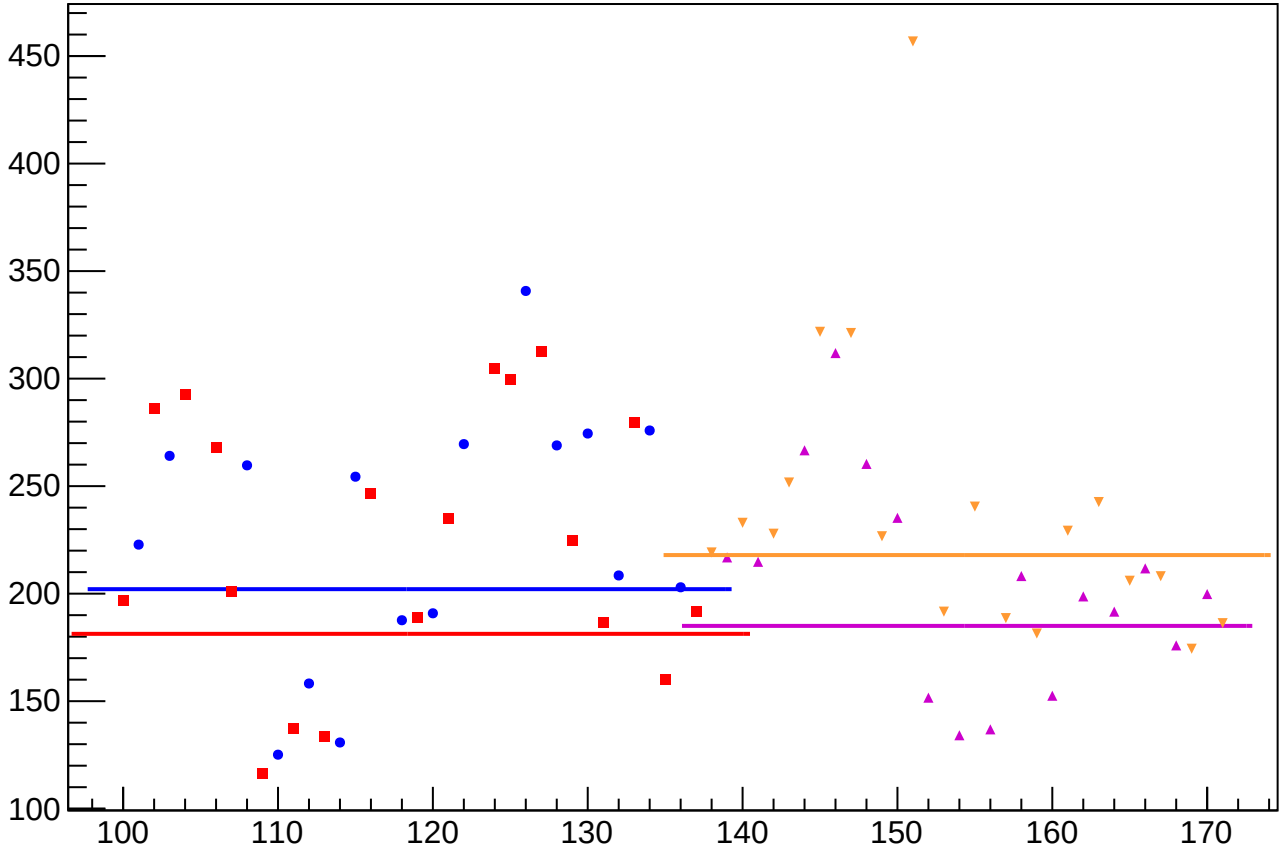
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 83.421+/-44.358 χ^2/NDF:25.5/31

Out: 43.776+/-45.811 χ^2/NDF:29.8/36

All: 64.237+/-31.867 χ^2/NDF: 55.7/68

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: 185.011+/-0.038 χ^2/NDF:1362888.1/15

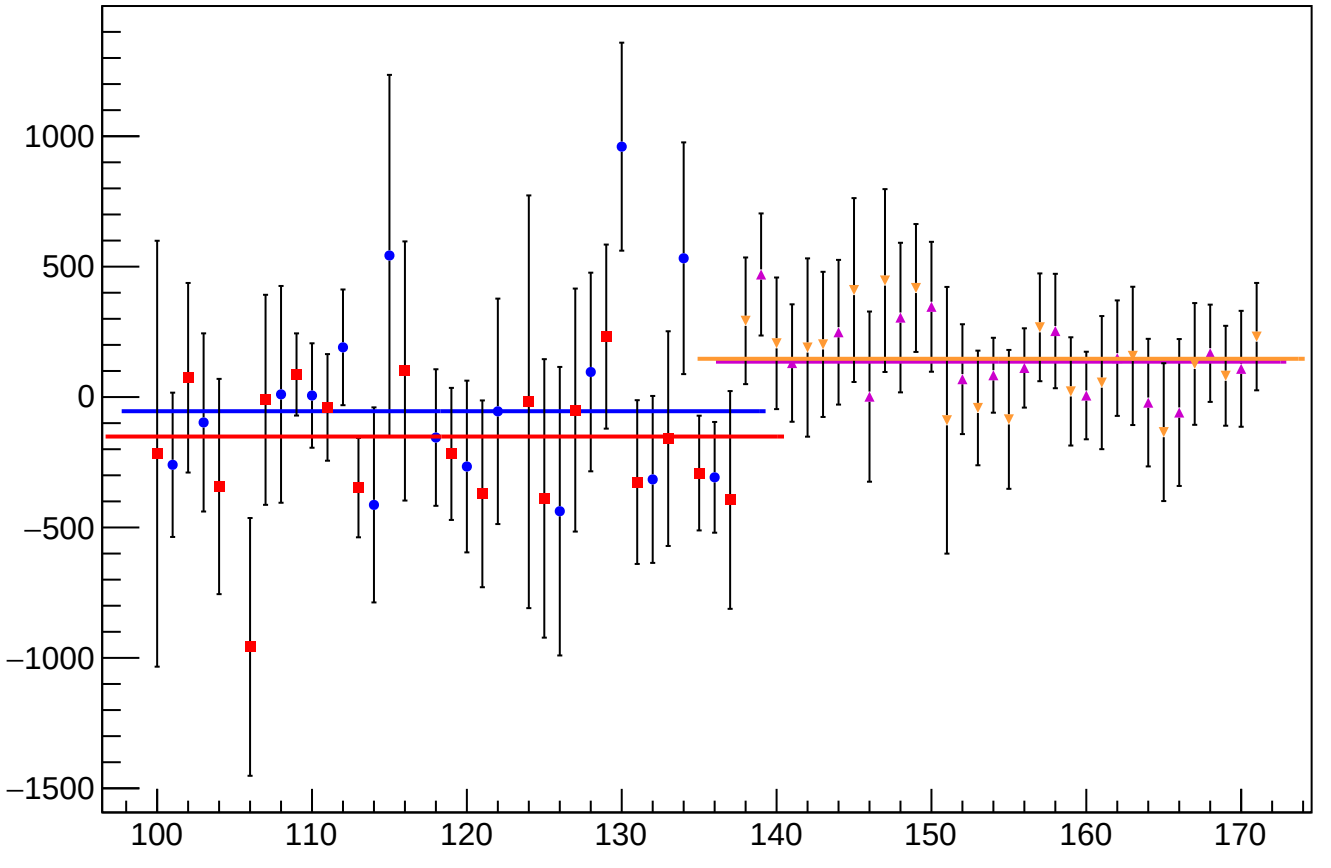
Left: 199.692+/-0.028 χ^2/NDF: 2834942.5/33

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 190.397+/-0.031 χ^2/NDF:2337154.0/31

Out: 202.827+/-0.032 χ^2/NDF:2886554.2/36

All: 196.411+/-0.023 χ^2/NDF: 5299707.6/68



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: 135.640+/-52.852 χ^2/NDF:5.5/15

Left: 140.560+/-39.425 χ^2/NDF: 12.5/33

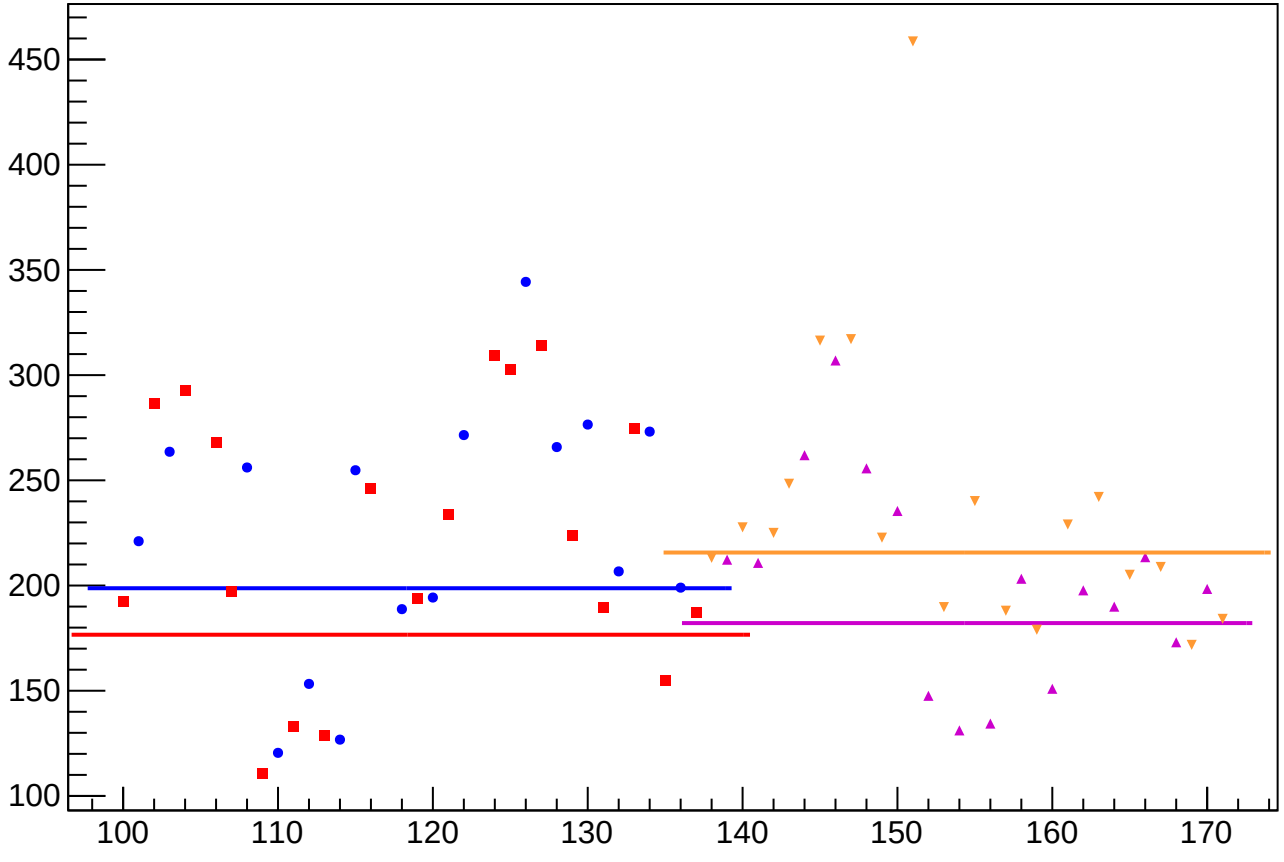
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 75.832+/-43.744 χ^2/NDF:24.7/31

Out: 22.238+/-45.174 χ^2/NDF:27.8/36

All: 49.897+/-31.425 χ^2/NDF: 53.2/68

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: 182.152+/-0.037 χ^2/NDF:1390046.7/15

Left: 197.026+/-0.028 χ^2/NDF: 2890090.7/33

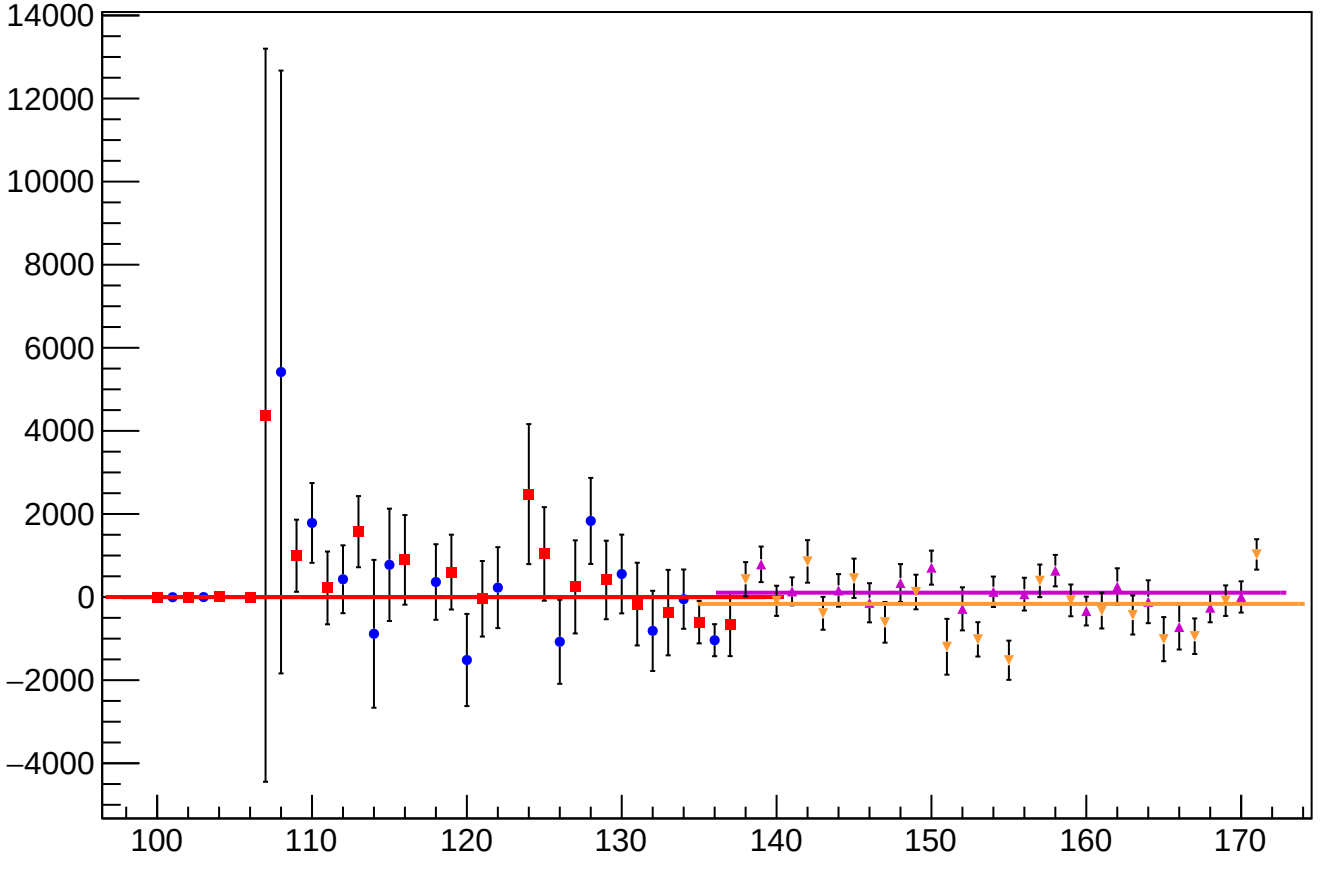
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 187.370+/-0.031 χ^2/NDF:2446002.9/31

Out: 199.371+/-0.032 χ^2/NDF:3102382.7/36

All: 193.177+/-0.022 χ^2/NDF: 5621231.7/68

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: 105.777+/-101.836 χ^2/NDF:13.2/15

Left: -29.984+/-71.767 χ^2/NDF: 60.0/33

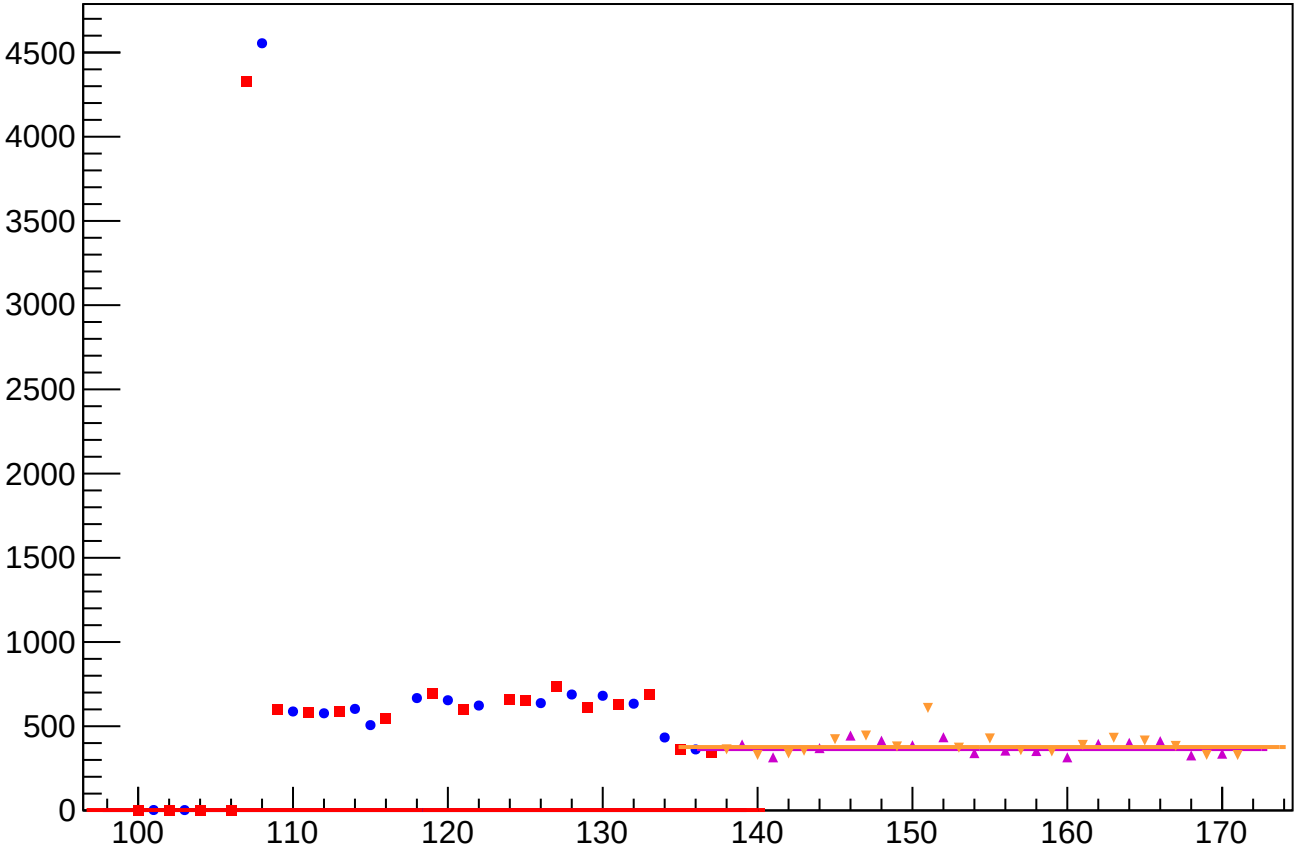
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.190+/-2.170 χ^2/NDF:34.2/31

Out: 1.311+/-2.022 χ^2/NDF:62.8/36

All: 0.149+/-1.479 χ^2/NDF: 97.7/68

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: 364.402+/-0.072 χ^2/NDF:295414.9/15

Left: 370.454+/-0.051 χ^2/NDF: 801988.7/33

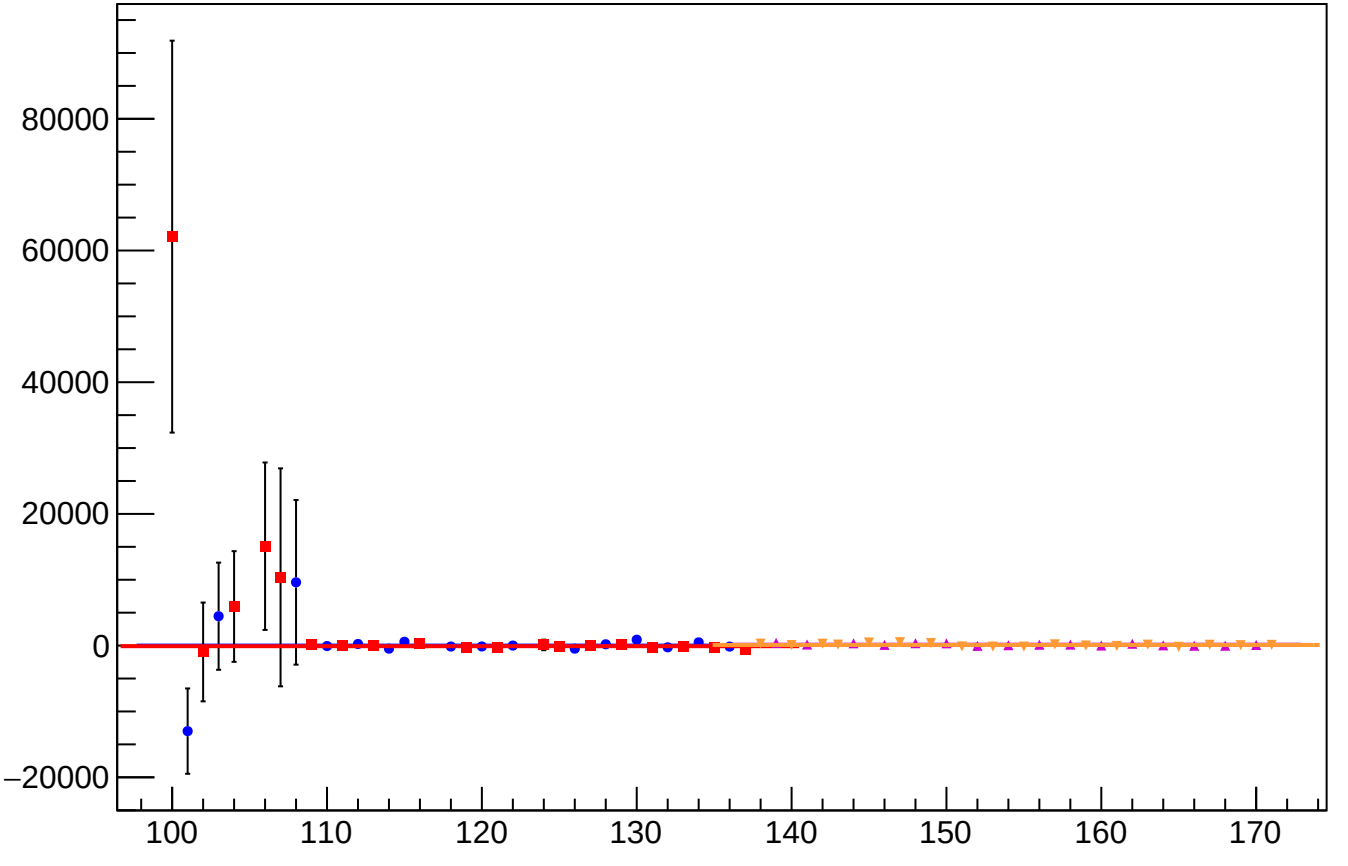
Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.641+/-0.002 χ^2/NDF:37171751.9/31

Out: 2.612+/-0.001 χ^2/NDF:39362419.8/36

All: 2.625+/-0.001 χ^2/NDF: 76534369.4/68

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: 135.295+/-56.201 χ^2/NDF:5.9/15

Left: 118.733+/-41.564 χ^2/NDF: 14.4/33

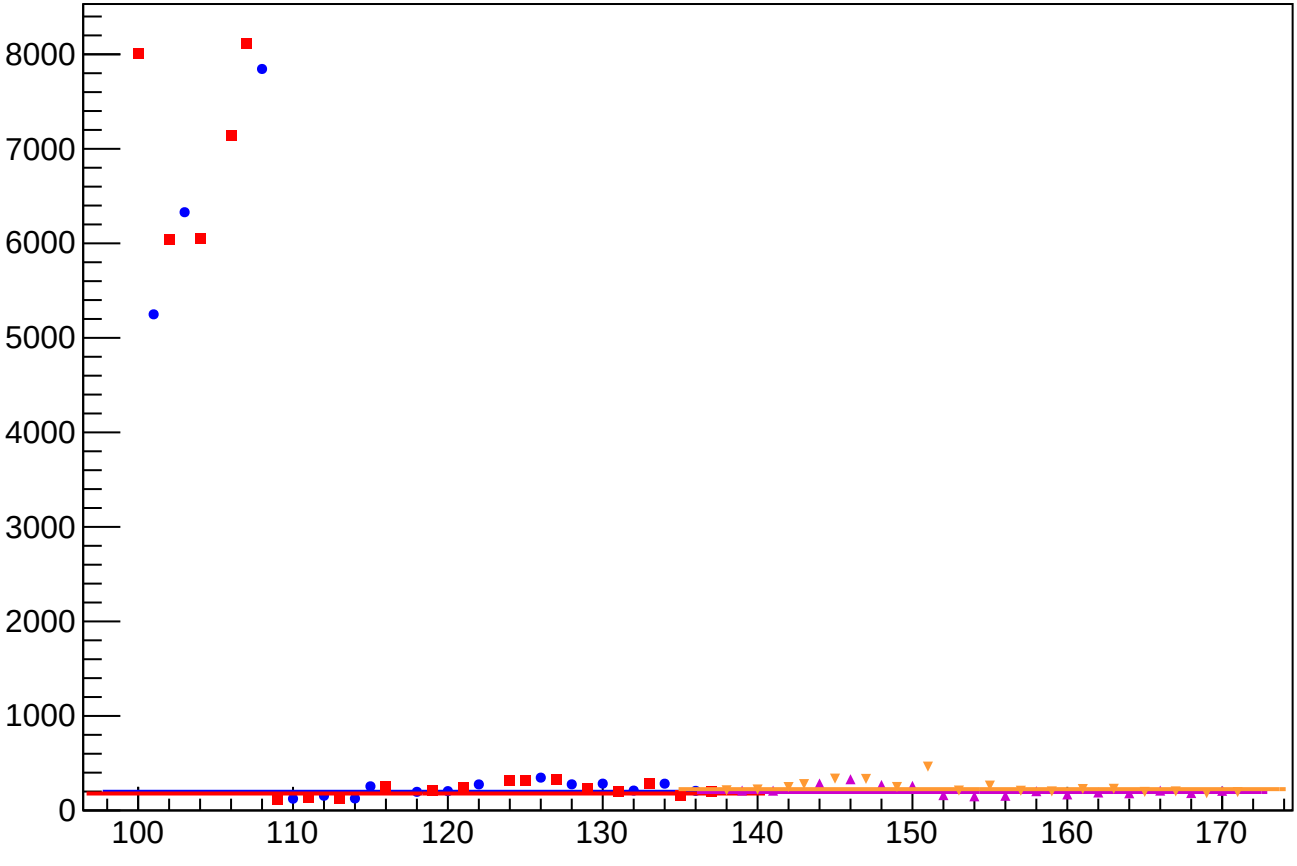
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 96.154+/-47.338 χ^2/NDF:24.4/31

Out: 30.708+/-49.243 χ^2/NDF:26.5/36

All: 64.721+/-34.126 χ^2/NDF: 51.8/68

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: 195.226+/-0.040 χ^2/NDF:1087999.9/15

Left: 208.914+/-0.029 χ^2/NDF: 2472831.6/33

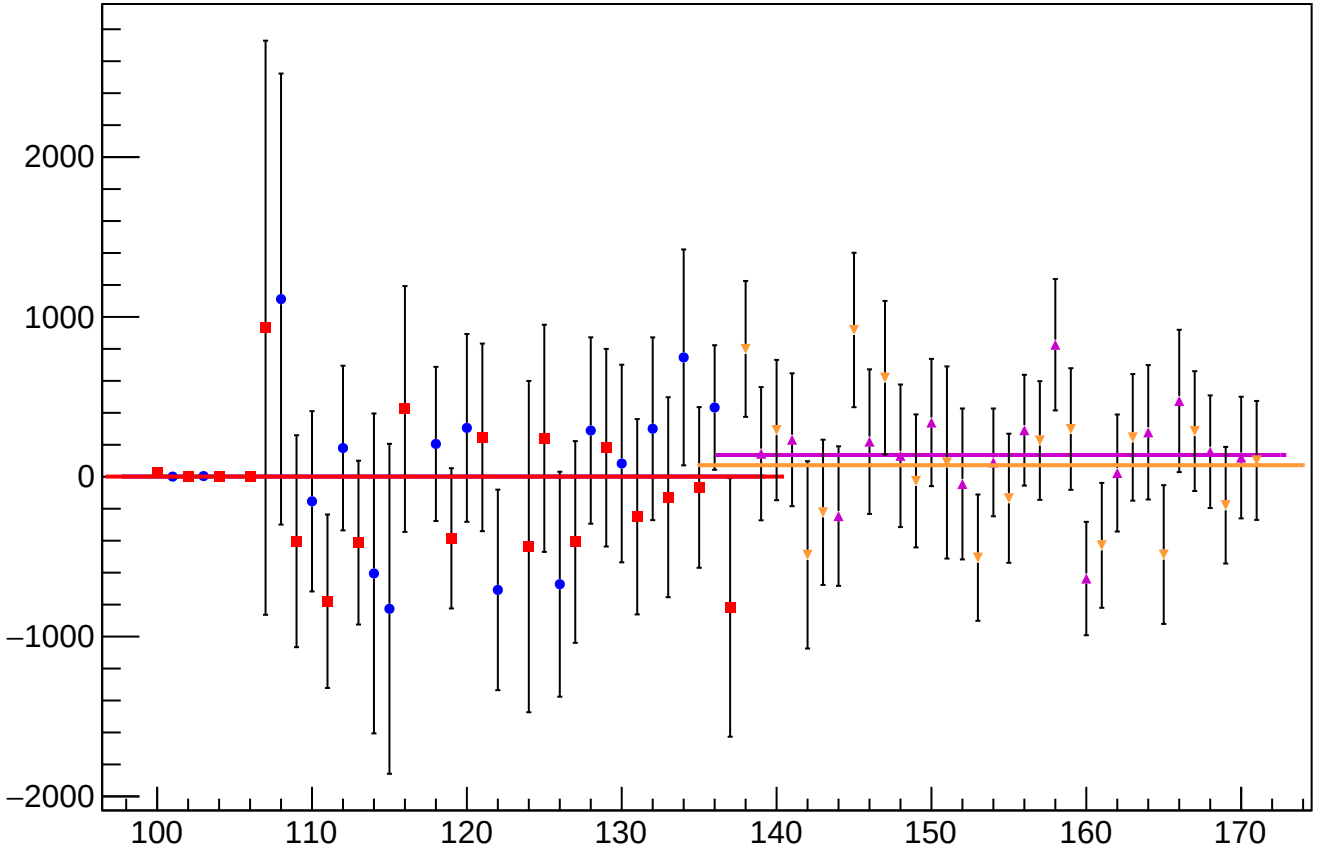
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 195.922+/-0.033 χ^2/NDF:5046246.2/31

Out: 208.621+/-0.035 χ^2/NDF:5948831.8/36

All: 202.021+/-0.024 χ^2/NDF: 11064209.1/68

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: 136.041+/-99.211 χ^2/NDF:9.8/15

Left: 104.073+/-70.016 χ^2/NDF: 26.2/33

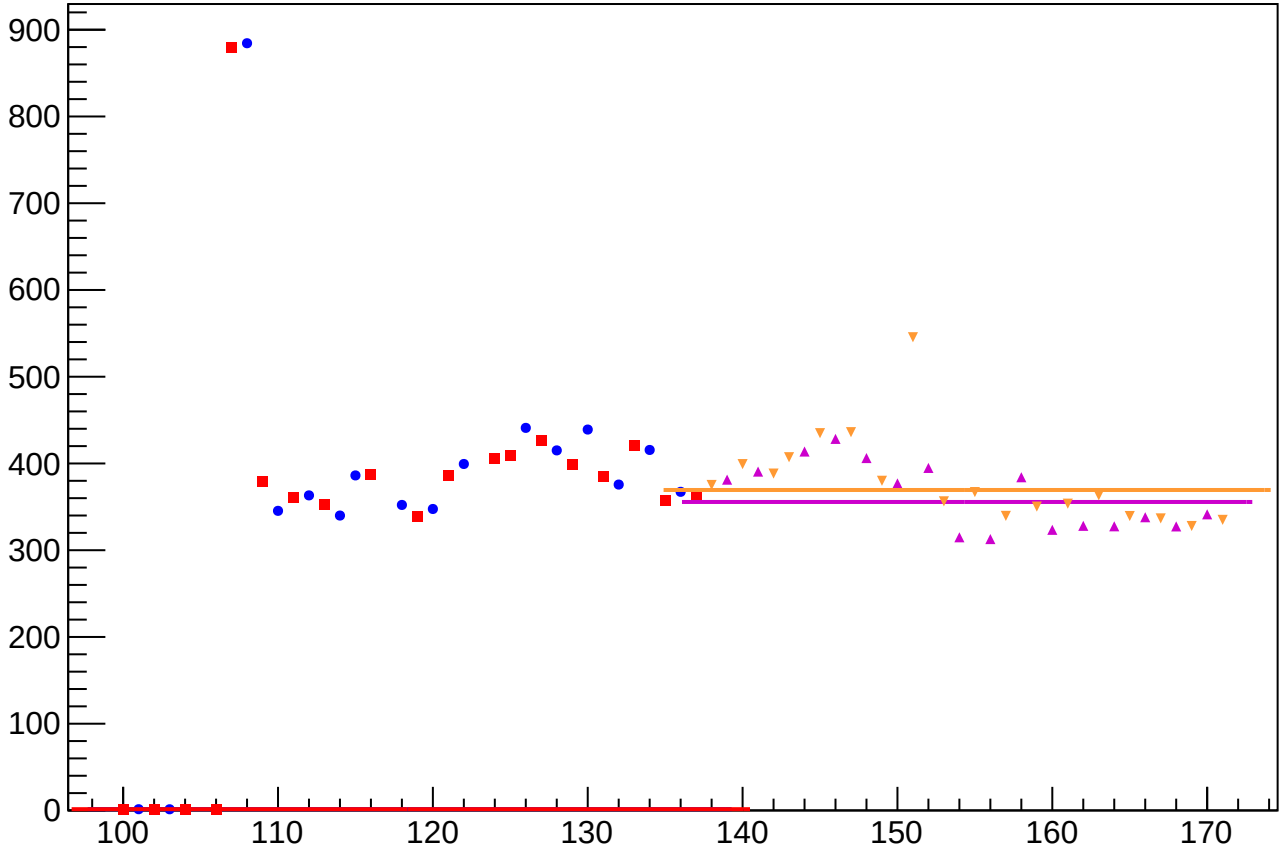
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.493+/-1.660 χ^2/NDF:19.6/31

Out: 1.111+/-1.528 χ^2/NDF:25.9/36

All: 1.286+/-1.124 χ^2/NDF: 45.4/68

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: 355.609+/-0.070 χ^2/NDF:278818.7/15

Left: 362.547+/-0.050 χ^2/NDF: 663732.2/33

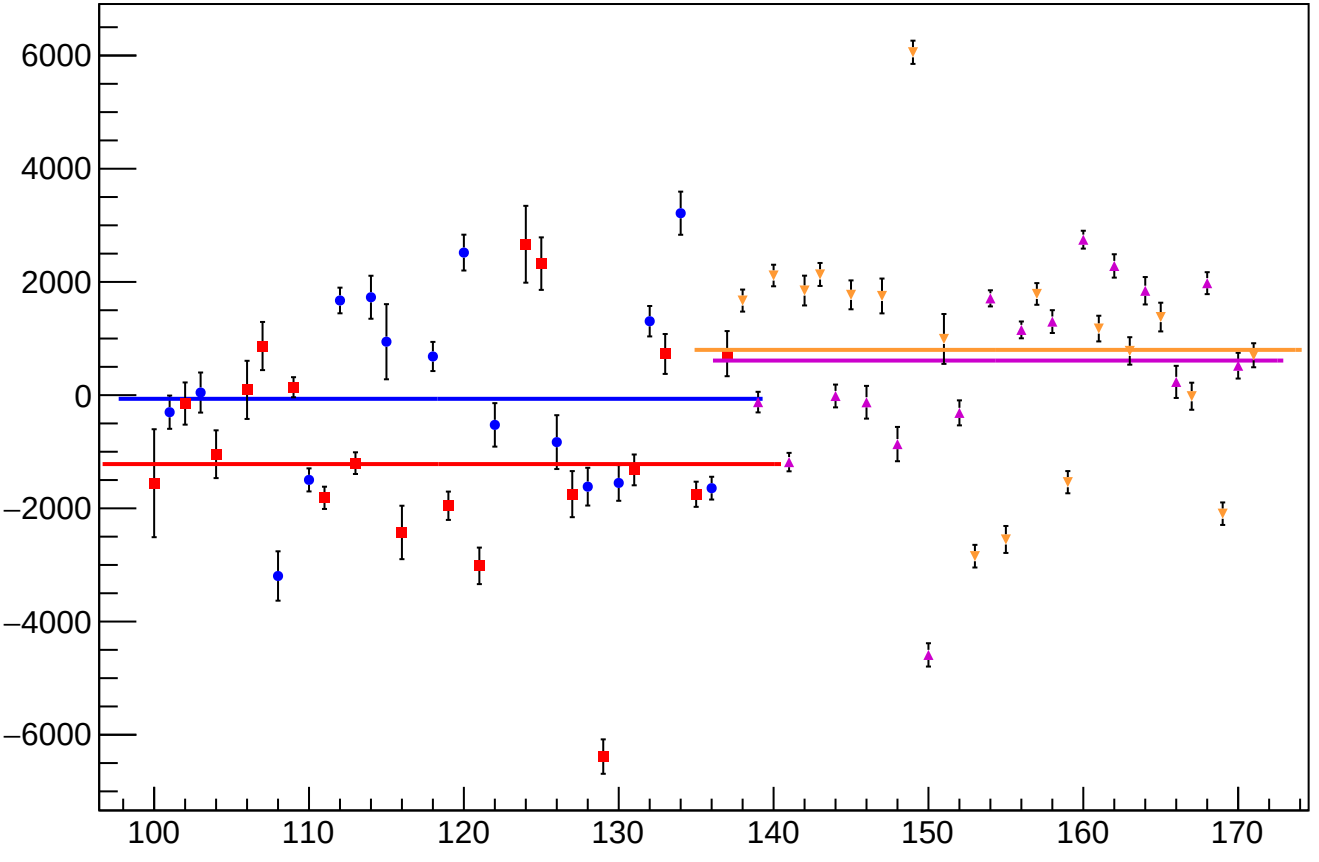
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.569+/-0.001 χ^2/NDF:37490330.4/31

Out: 1.555+/-0.001 χ^2/NDF:39356814.4/36

All: 1.562+/-0.001 χ^2/NDF: 76847224.6/68

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: 610.823+/-48.933 χ^2/NDF:1243.0/15

Left: 698.244+/-35.855 χ^2/NDF: 2987.2/33

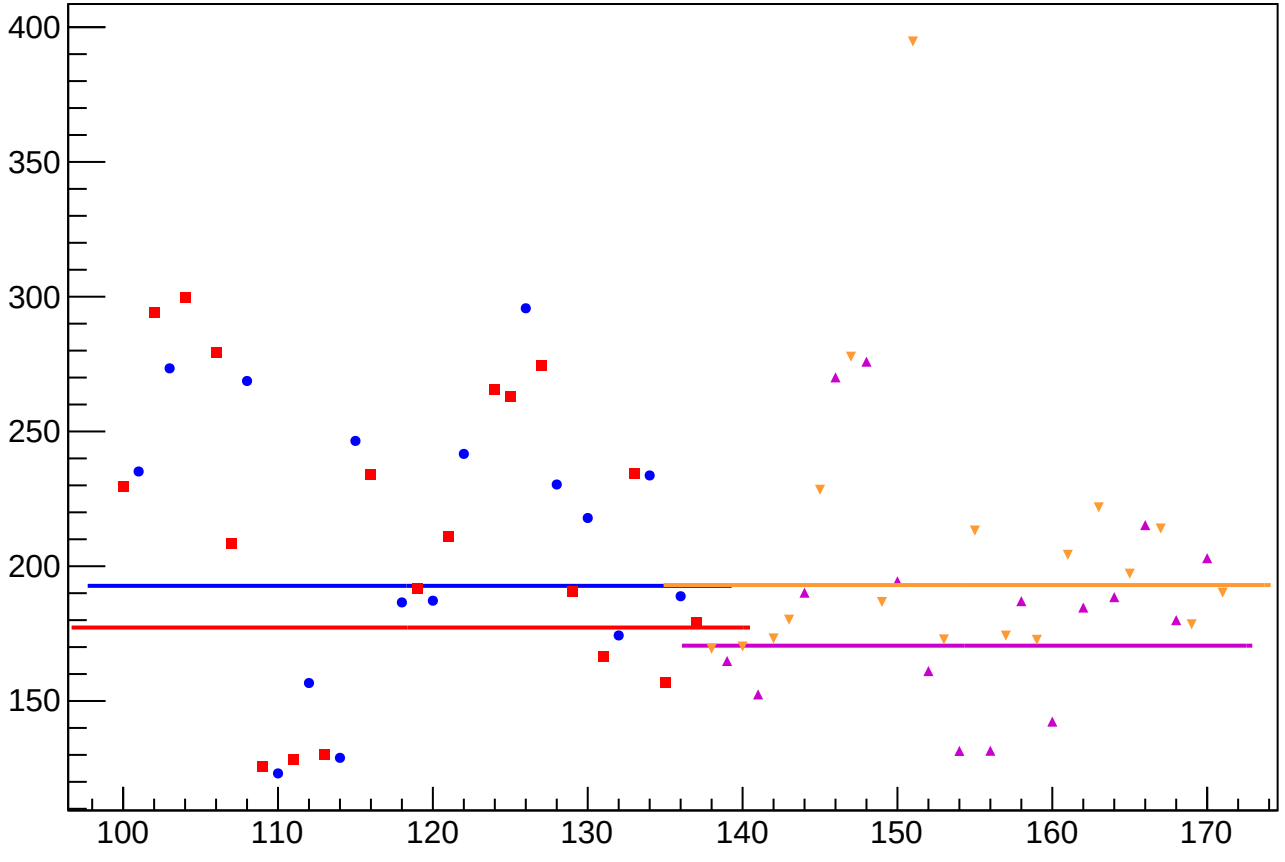
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 408.639+/-40.965 χ^2/NDF:1769.5/31

Out: 56.831+/-41.881 χ^2/NDF:2871.7/36

All: 236.623+/-29.285 χ^2/NDF: 4677.3/68

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: 170.527+/-0.035 χ^2/NDF:1035803.7/15

Left: 180.939+/-0.025 χ^2/NDF: 2055555.9/33

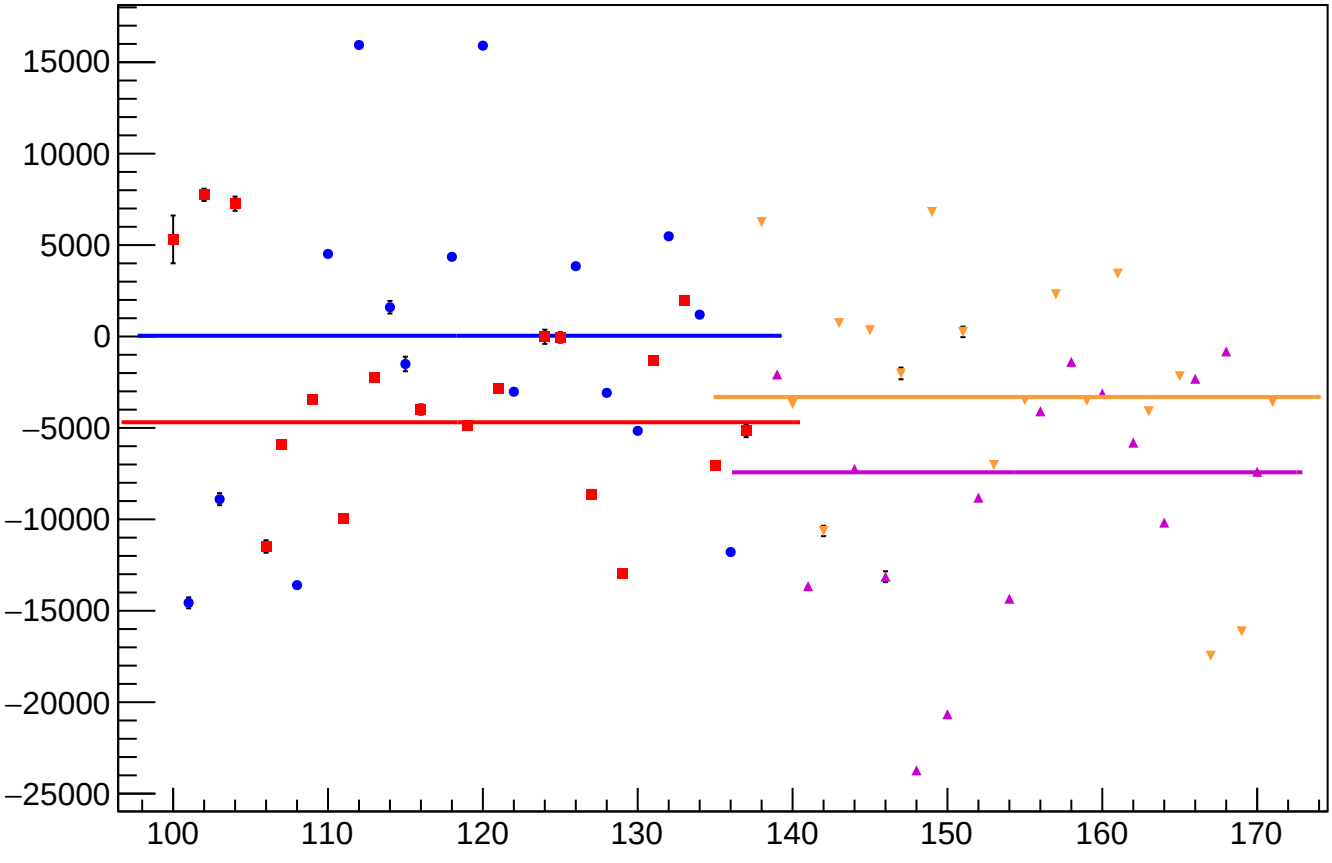
Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 177.166+/-0.029 χ^2/NDF:1918011.4/31

Out: 187.207+/-0.030 χ^2/NDF:2116292.7/36

All: 182.076+/-0.021 χ^2/NDF: 4093056.2/68

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: -7427.090+/-47.770 χ^2/NDF:16829.9/15

Left: -5266.361+/-32.946 χ^2/NDF: 40844.3/33

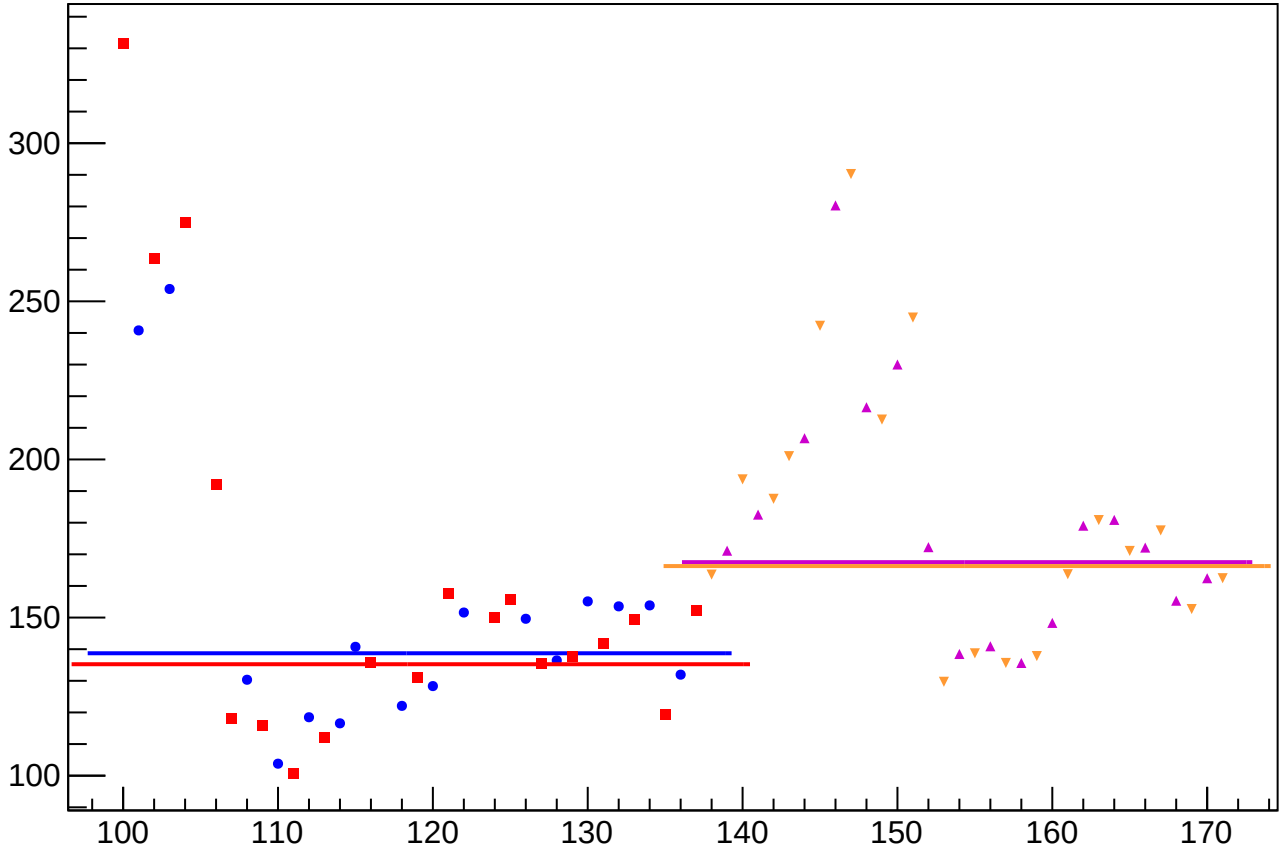
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4162.034+/-35.837 χ^2/NDF:58301.3/31

Out: -3904.872+/-34.269 χ^2/NDF:28308.3/36

All: -4027.704+/-24.768 χ^2/NDF: 86636.5/68

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: 167.522+/-0.034 χ^2/NDF:860138.1/15

Left: 166.872+/-0.023 χ^2/NDF: 2019057.6/33

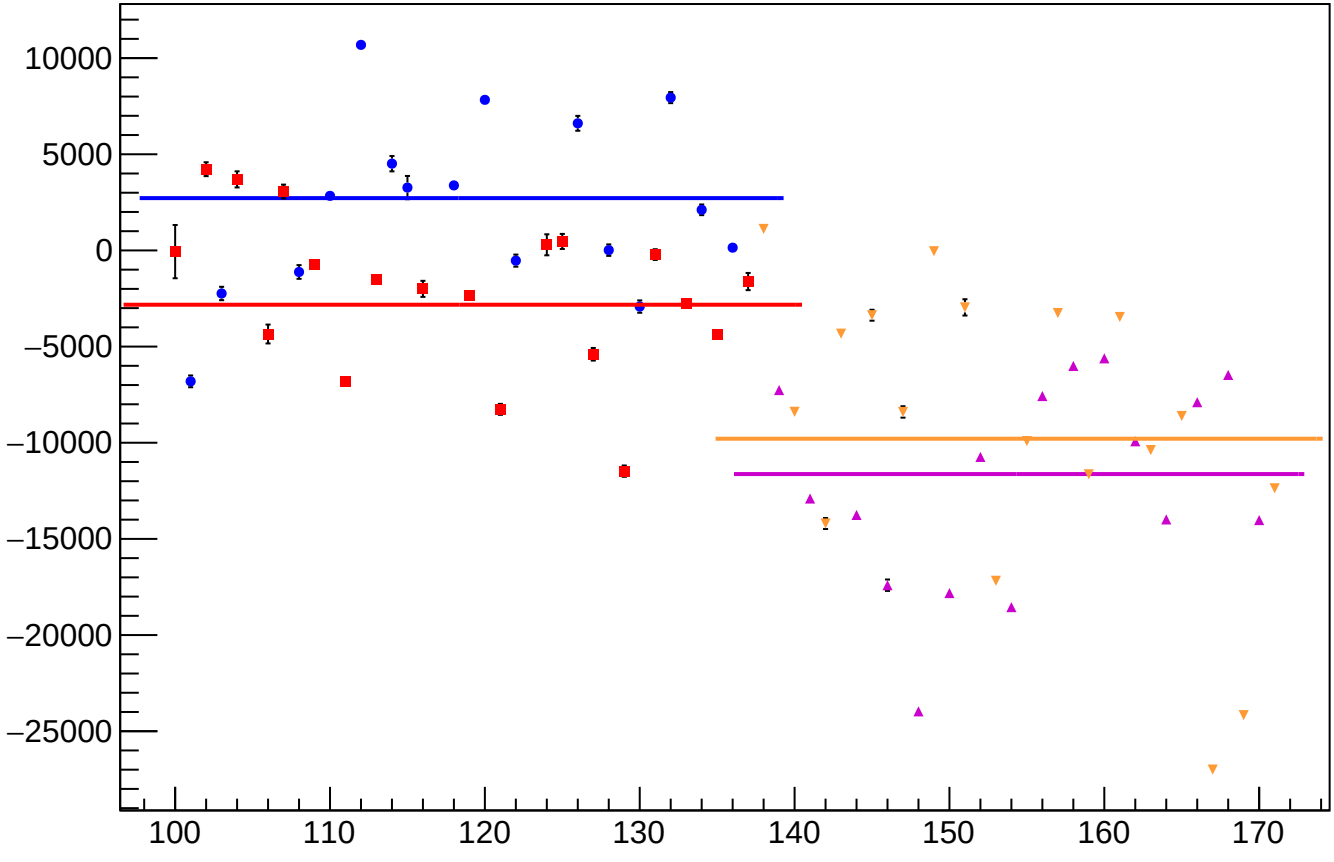
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.926+/-0.025 χ^2/NDF:1835985.5/31

Out: 152.852+/-0.024 χ^2/NDF:2450956.1/36

All: 153.843+/-0.018 χ^2/NDF: 4290442.0/68

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



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: -11628.579+/-50.533 χ^2/NDF:10328.5/15

Left: -10758.536+/-36.672 χ^2/NDF: 32711.6/33

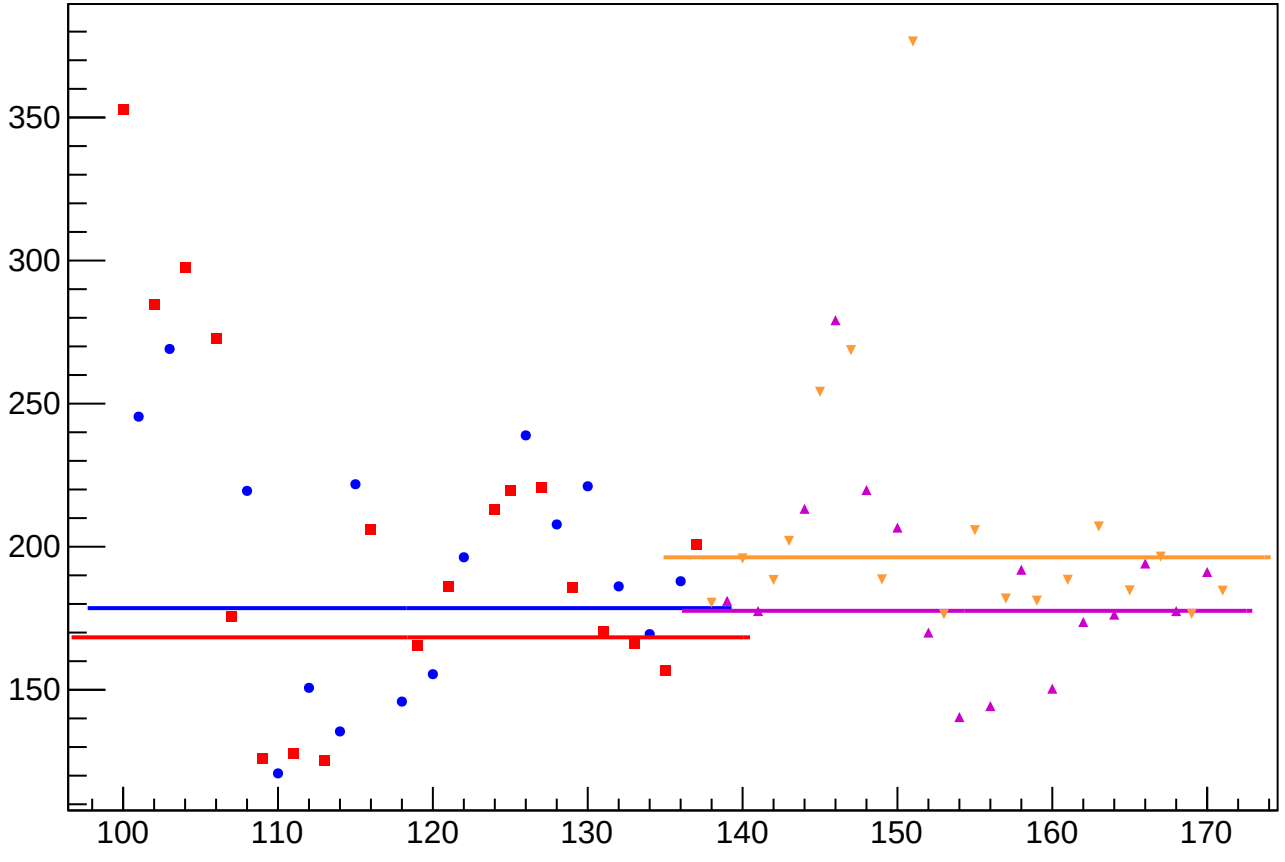
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6642.720+/-40.819 χ^2/NDF:42473.5/31

Out: -6981.573+/-41.178 χ^2/NDF:31707.5/36

All: -6810.665+/-28.990 χ^2/NDF: 74215.1/68

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: 177.604+/-0.036 χ^2/NDF:665934.4/15

Left: 186.453+/-0.026 χ^2/NDF: 1459565.3/33

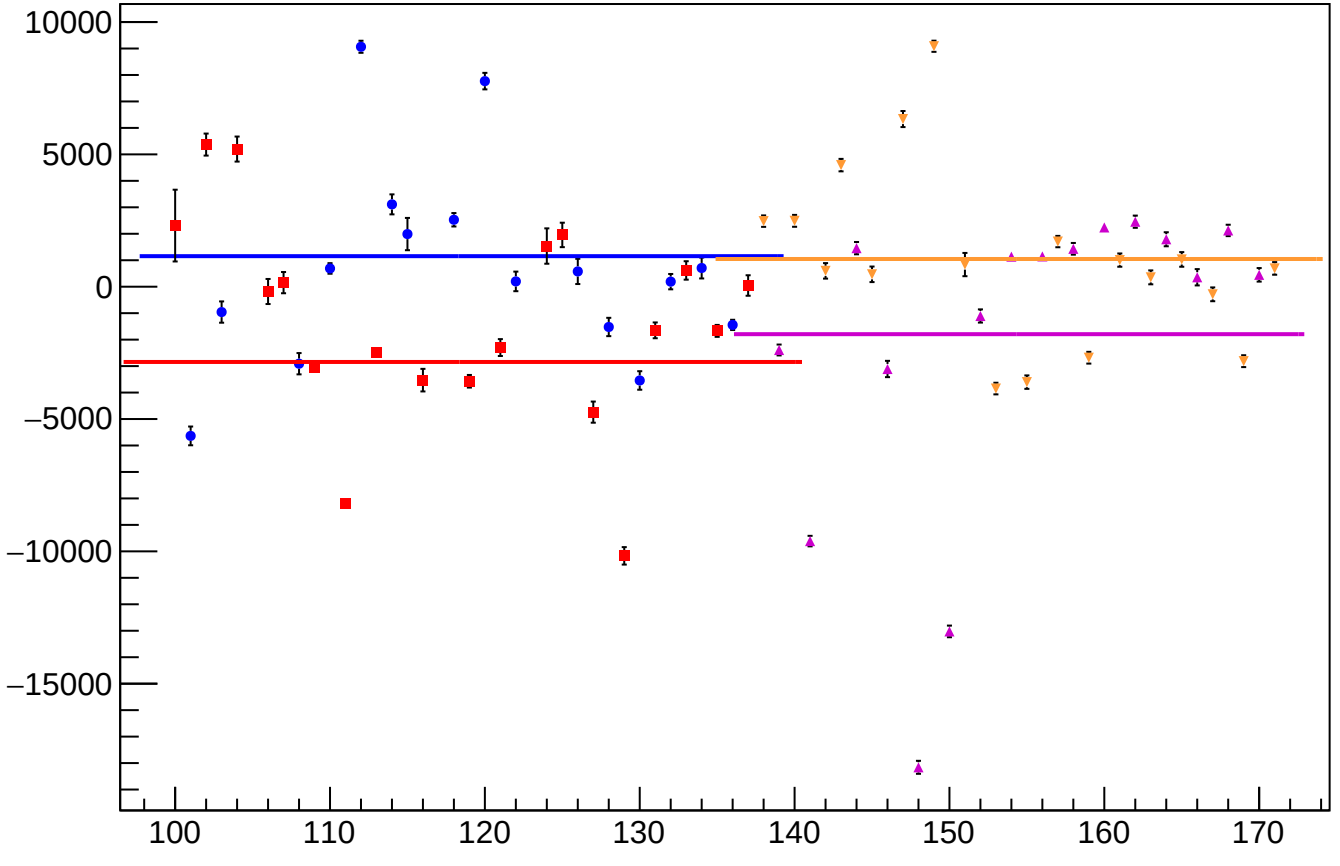
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.930+/-0.029 χ^2/NDF:1340739.1/31

Out: 185.024+/-0.029 χ^2/NDF:1865498.2/36

All: 181.446+/-0.020 χ^2/NDF: 3236175.5/68

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: -1793.790+/-55.032 χ^2/NDF:11082.0/15

Left: -454.162+/-40.005 χ^2/NDF: 15865.7/33

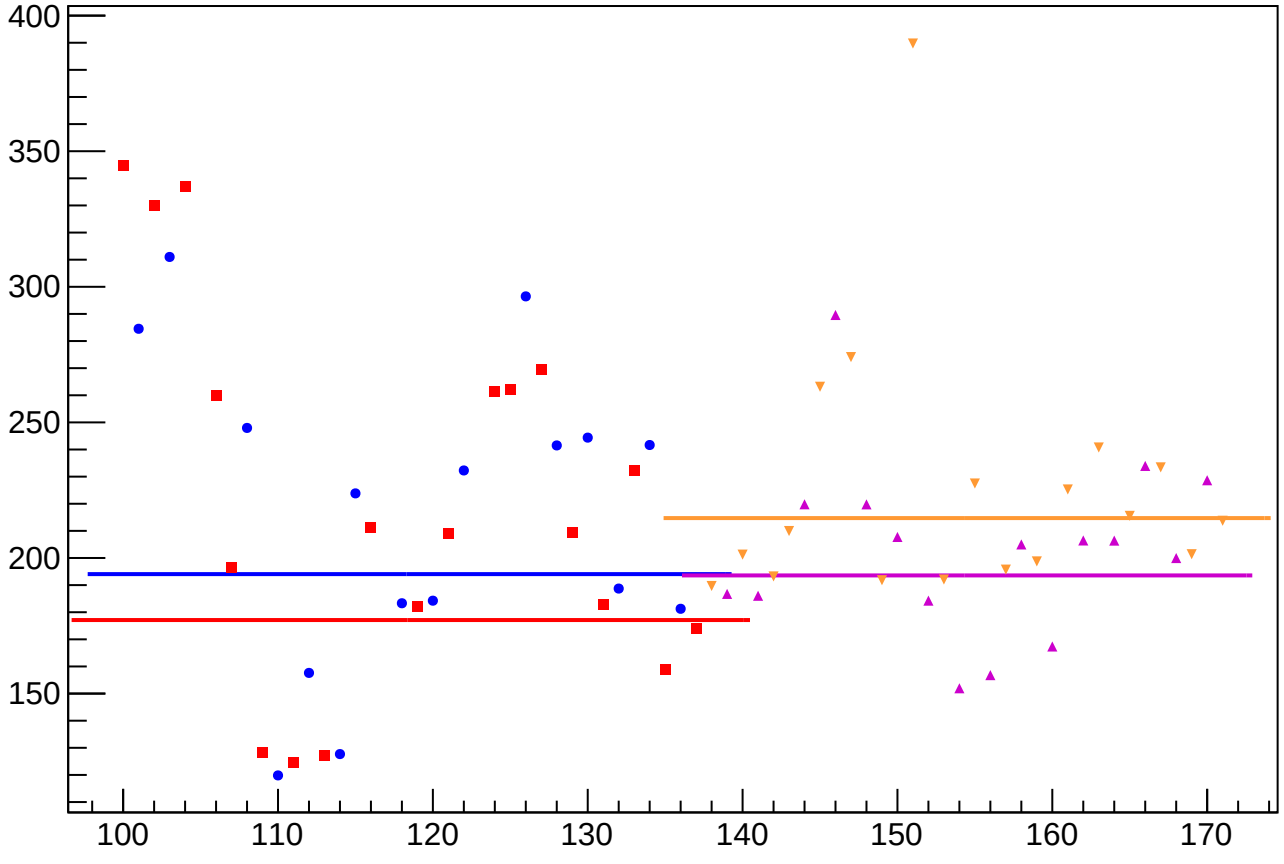
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -779.138+/-44.565 χ^2/NDF:14724.9/31

Out: -568.449+/-44.551 χ^2/NDF:7832.4/36

All: -673.761+/-31.507 χ^2/NDF: 22568.5/68

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: 193.571+/-0.039 χ^2/NDF:603152.3/15

Left: 203.540+/-0.028 χ^2/NDF: 1352340.9/33

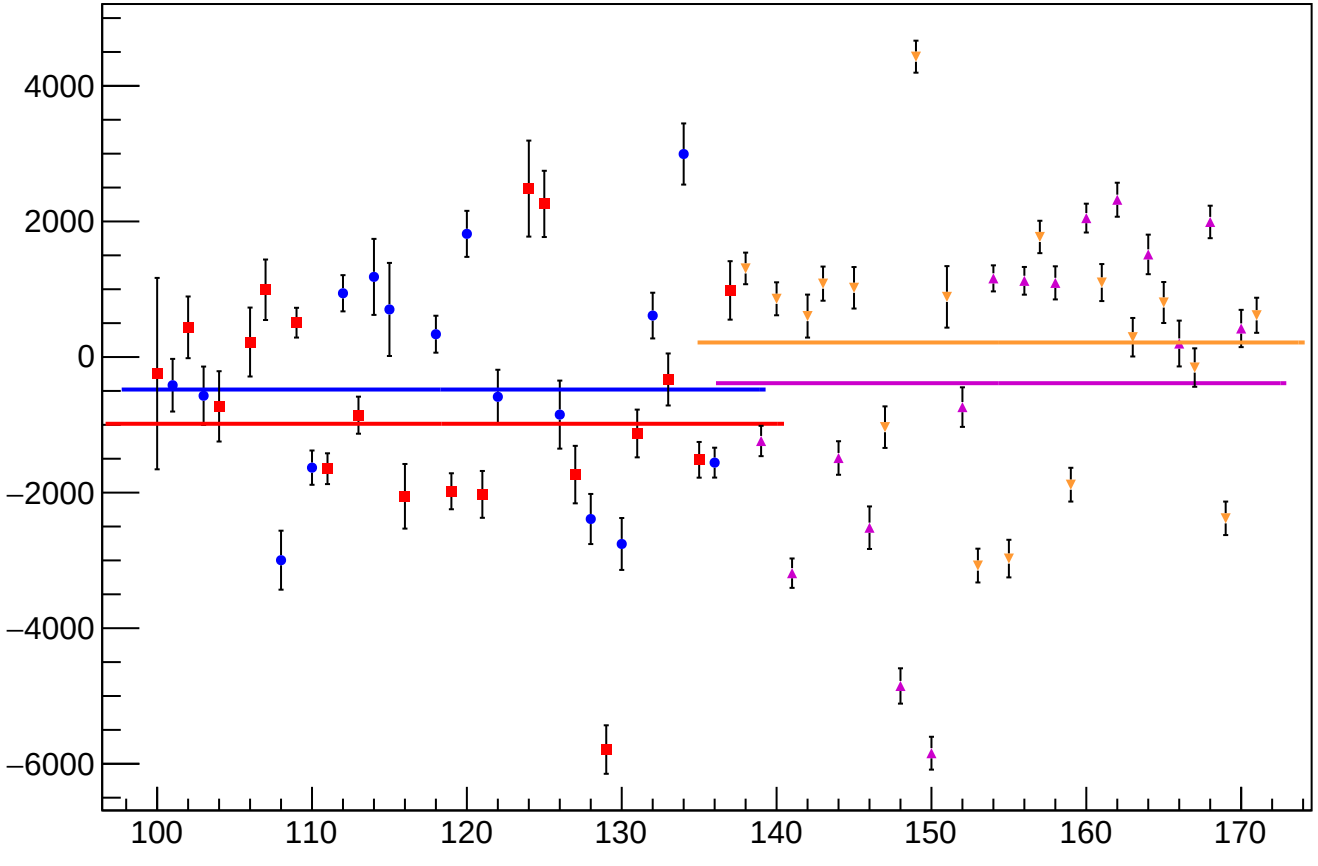
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 193.737+/-0.032 χ^2/NDF:1568991.3/31

Out: 199.102+/-0.032 χ^2/NDF:2315205.2/36

All: 196.420+/-0.022 χ^2/NDF: 3898694.4/68

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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: -385.709+/-61.066 χ^2/NDF:1606.4/15

Left: -97.004+/-44.001 χ^2/NDF: 2588.2/33

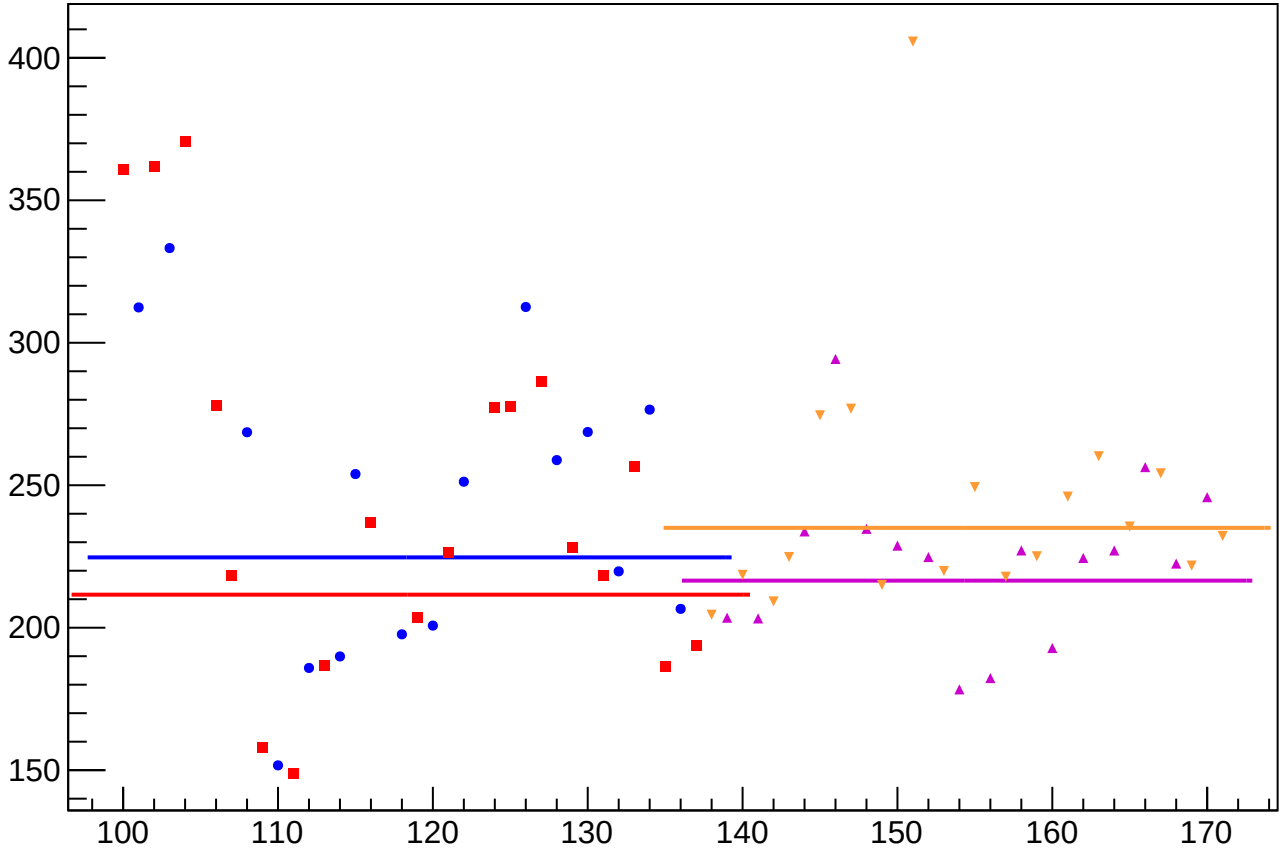
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -416.751+/-49.922 χ^2/NDF:1912.6/31

Out: -241.732+/-49.940 χ^2/NDF:1469.4/36

All: -329.272+/-35.307 χ^2/NDF: 3388.1/68

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: 216.522+/-0.043 χ^2/NDF:383131.0/15

Left: 225.430+/-0.031 χ^2/NDF: 959528.7/33

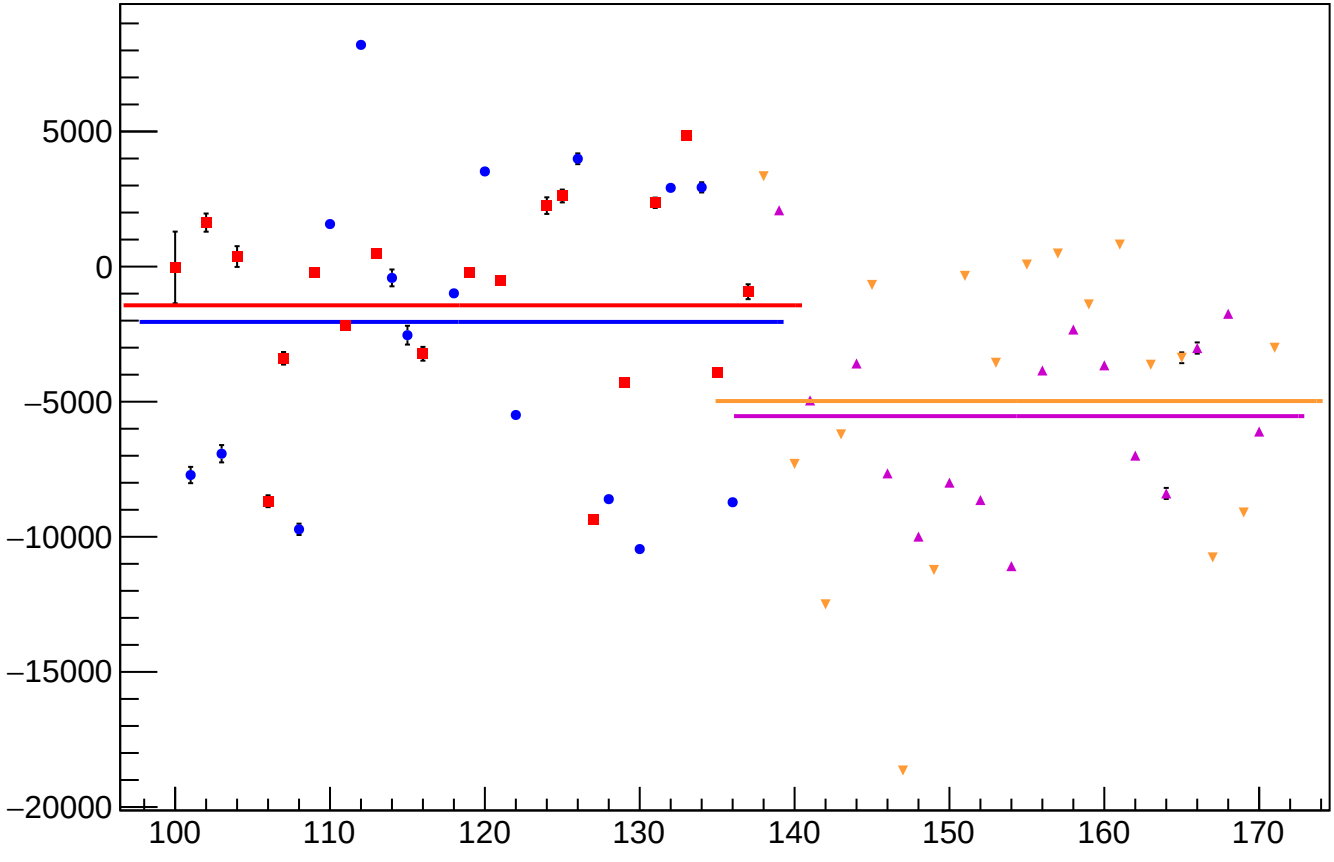
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.229+/-0.035 χ^2/NDF:1048169.8/31

Out: 226.121+/-0.035 χ^2/NDF:1524787.8/36

All: 222.674+/-0.025 χ^2/NDF: 2592010.3/68

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: -5534.128+/-34.707 χ^2/NDF:10238.4/15

Left: -5243.121+/-24.026 χ^2/NDF: 42011.6/33

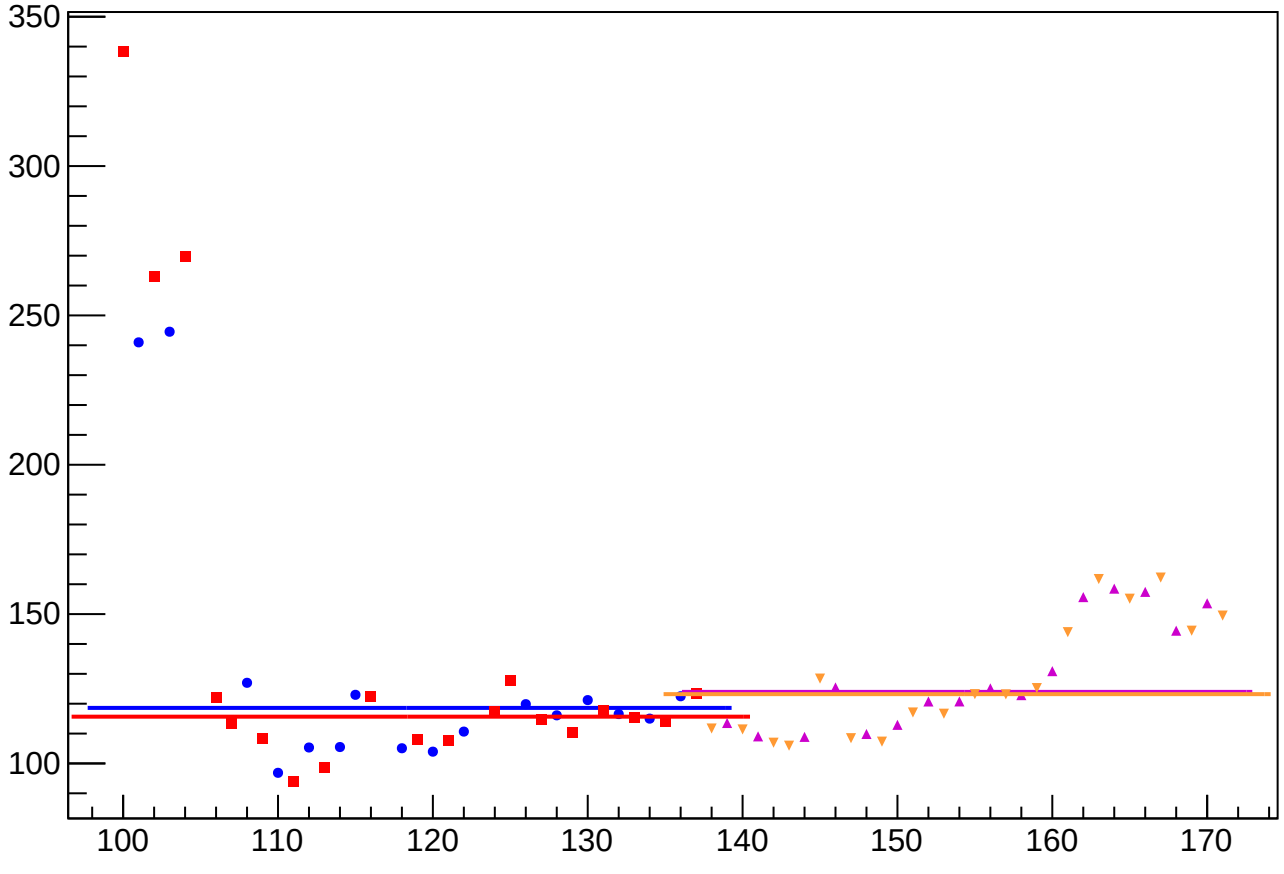
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4294.201+/-27.861 χ^2/NDF:30536.6/31

Out: -3712.436+/-26.707 χ^2/NDF:42062.2/36

All: -3991.018+/-19.280 χ^2/NDF: 72826.0/68

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: 123.954+/-0.025 χ^2/NDF:399765.1/15

Left: 123.562+/-0.017 χ^2/NDF: 930992.7/33

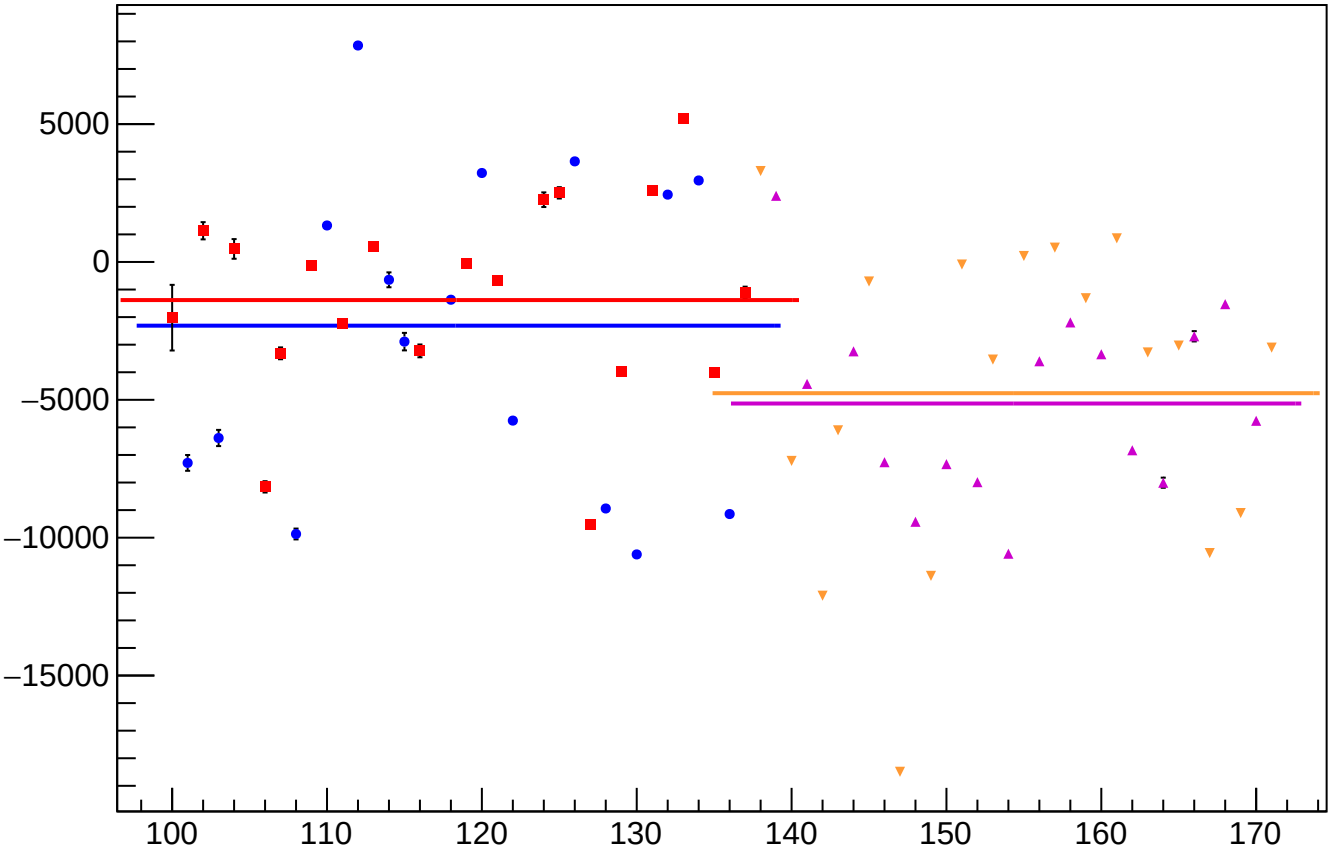
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.049+/-0.020 χ^2/NDF:1150876.9/31

Out: 120.512+/-0.019 χ^2/NDF:1431527.4/36

All: 121.248+/-0.014 χ^2/NDF: 2585574.3/68

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: -5134.079+/-31.147 χ^2/NDF:12114.4/15

Left: -4939.114+/-21.565 χ^2/NDF: 50516.5/33

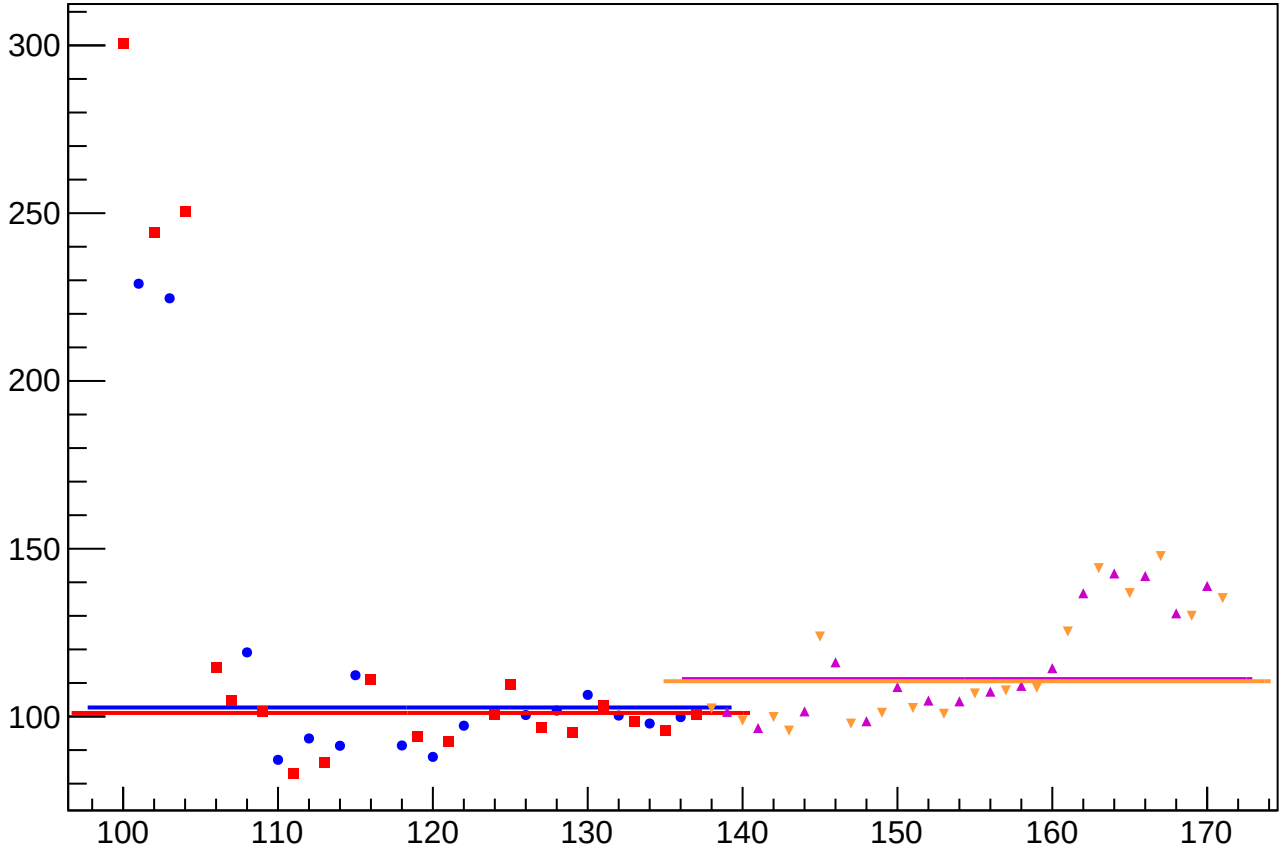
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -4092.324+/-24.743 χ^2/NDF:36825.8/31

Out: -3523.717+/-23.799 χ^2/NDF:51578.8/36

All: -3796.963+/-17.152 χ^2/NDF: 88678.9/68

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: 111.158+/-0.022 χ^2/NDF:387762.8/15

Left: 110.824+/-0.015 χ^2/NDF: 903790.8/33

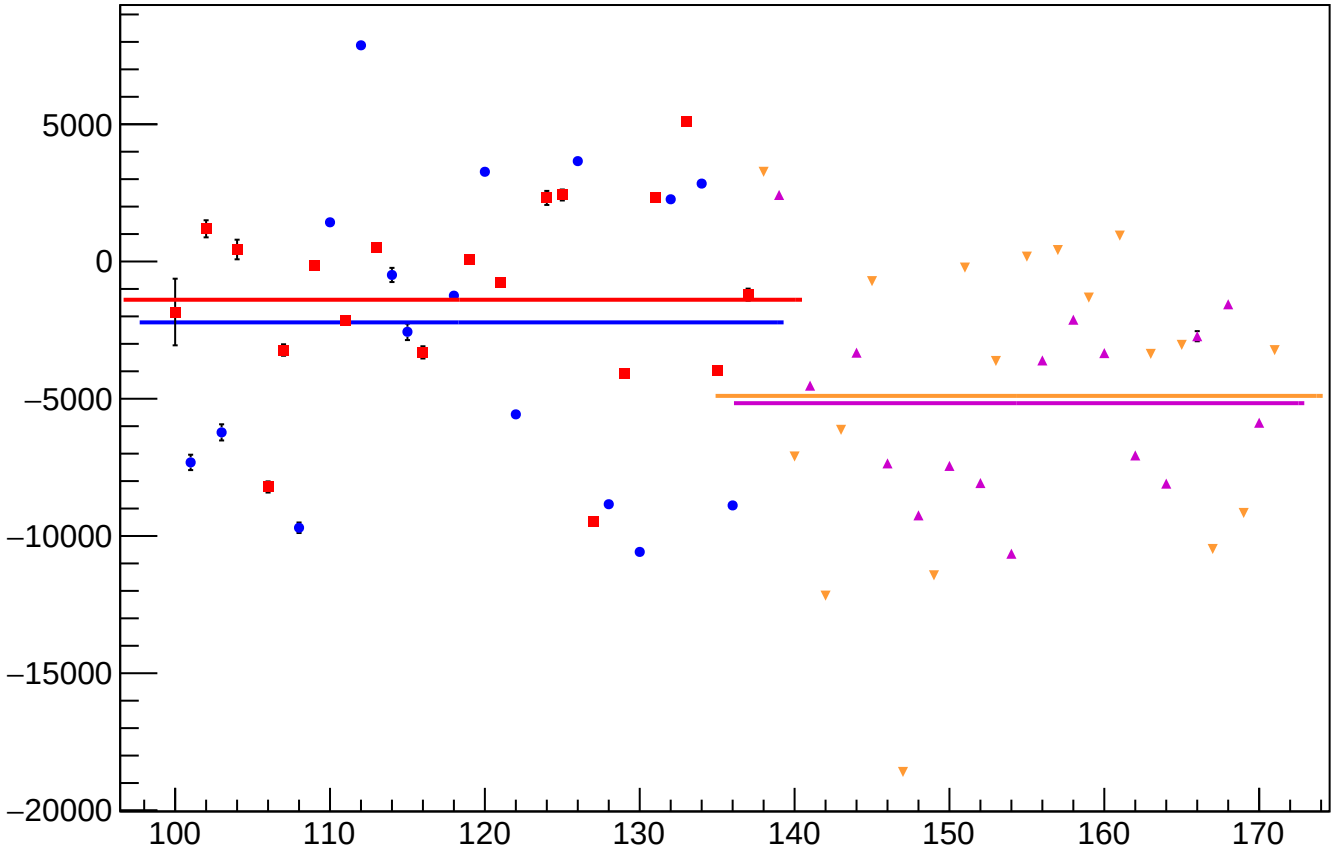
Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 108.035+/-0.017 χ^2/NDF:1268059.2/31

Out: 107.057+/-0.017 χ^2/NDF:1519251.9/36

All: 107.527+/-0.012 χ^2/NDF: 2788934.8/68

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: -5161.634+/-30.458 χ^2/NDF:12834.9/15

Left: -5023.375+/-21.100 χ^2/NDF: 54012.5/33

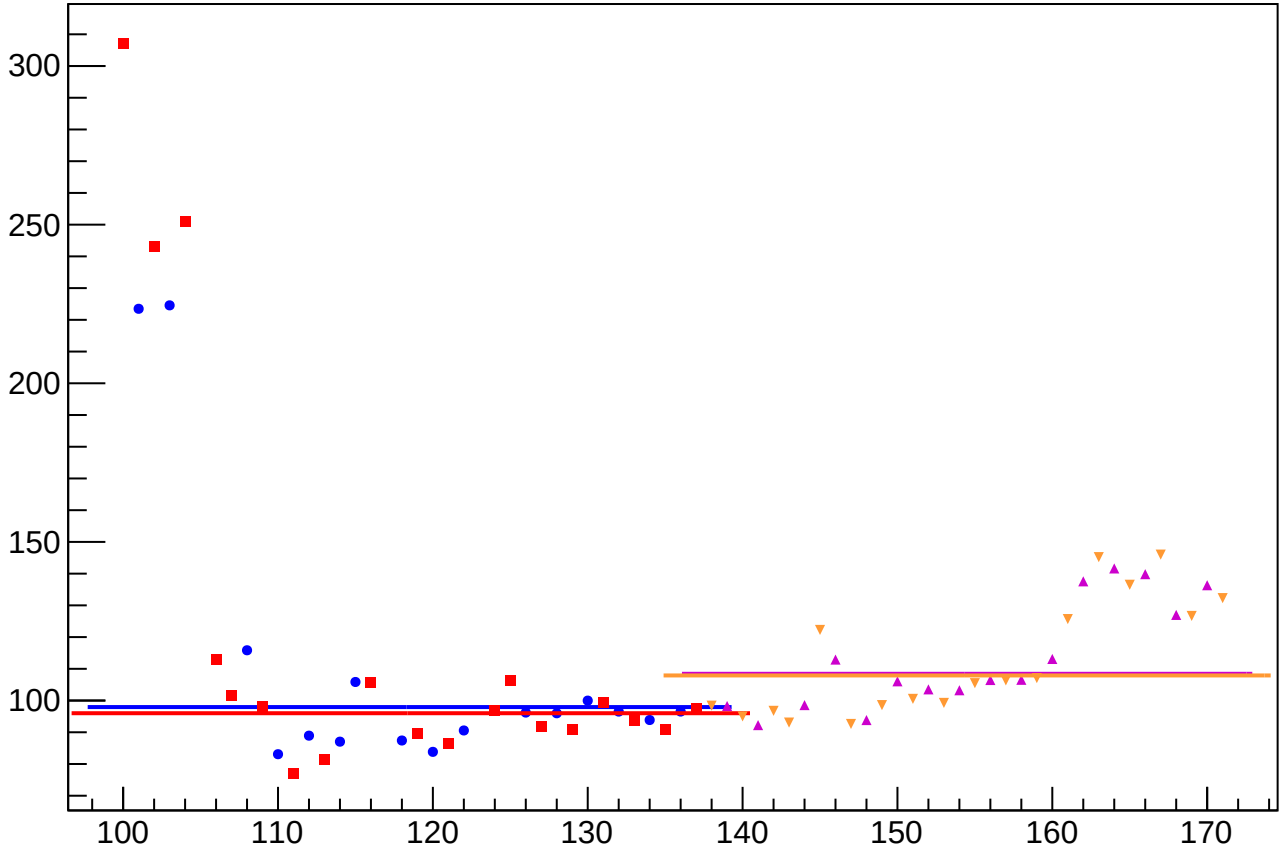
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -4047.838+/-24.014 χ^2/NDF:39409.8/31

Out: -3574.019+/-23.087 χ^2/NDF:55697.4/36

All: -3801.605+/-16.643 χ^2/NDF: 95309.5/68

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: 108.430+/-0.022 χ^2/NDF:440271.4/15

Left: 108.160+/-0.015 χ^2/NDF: 1030106.4/33

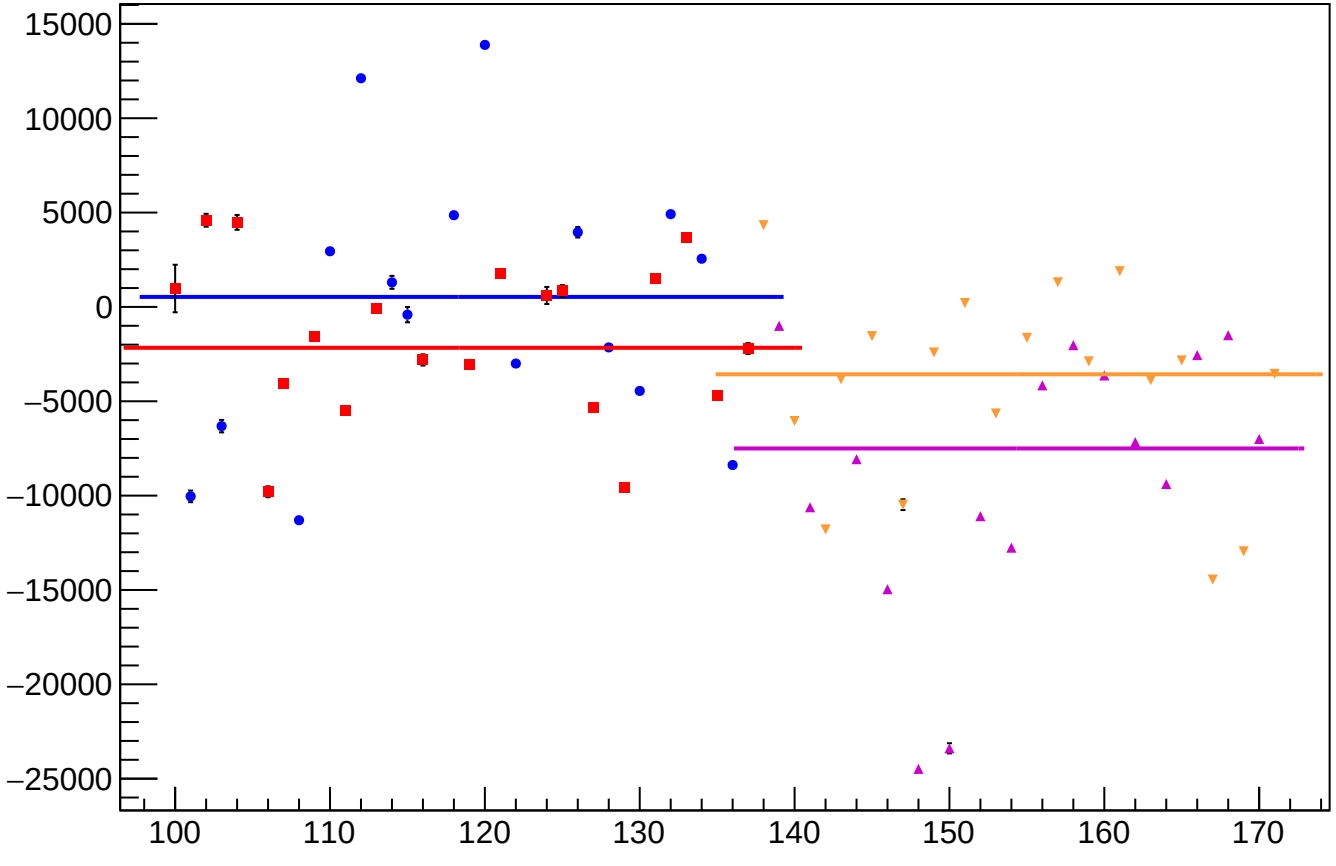
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 104.462+/-0.017 χ^2/NDF:1398116.8/31

Out: 103.418+/-0.016 χ^2/NDF:1726811.5/36

All: 103.919+/-0.012 χ^2/NDF: 3126894.3/68

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: -7500.428+/-44.400 χ^2/NDF:16860.0/15

Left: -5415.762+/-30.429 χ^2/NDF: 34825.6/33

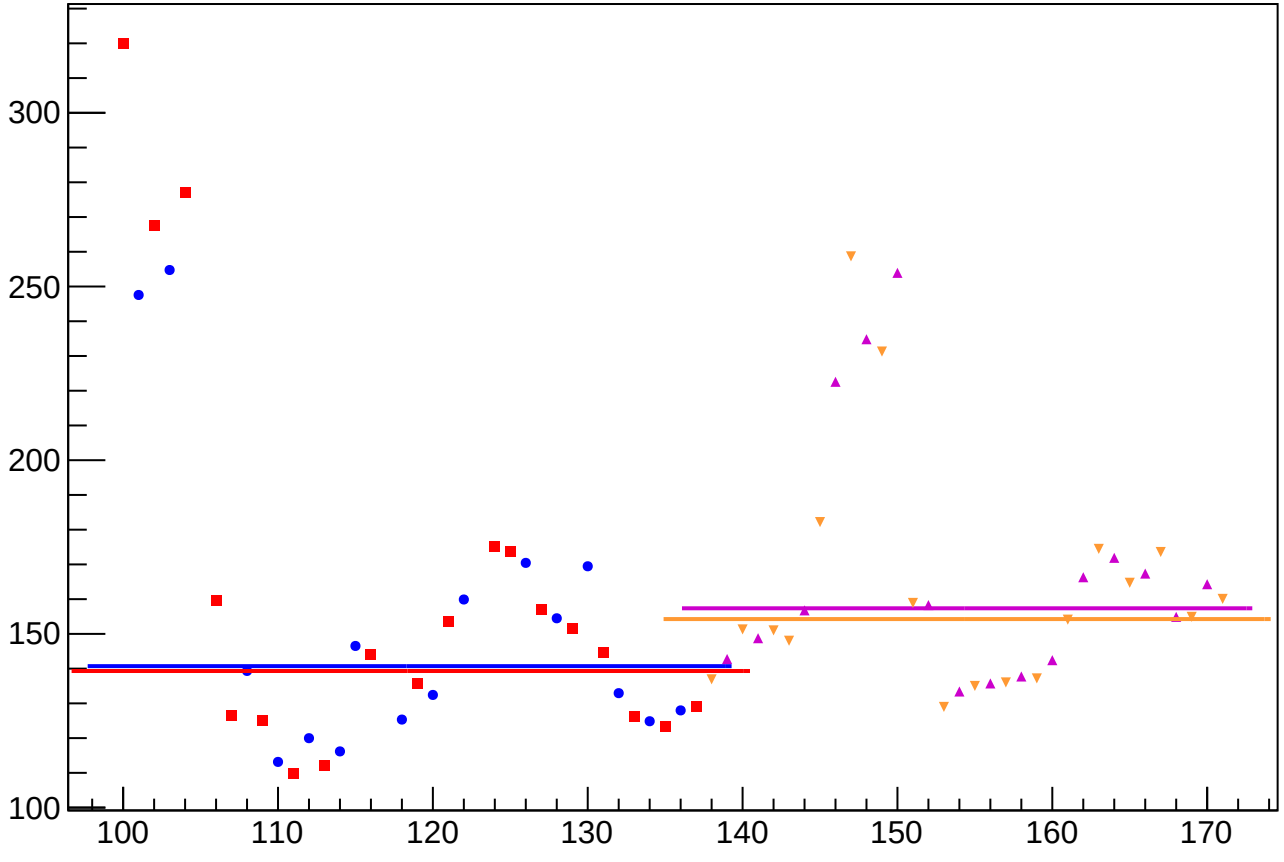
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4321.569+/-34.512 χ^2/NDF:48397.7/31

Out: -3036.837+/-32.921 χ^2/NDF:19204.4/36

All: -3648.917+/-23.821 χ^2/NDF: 68327.6/68

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: 157.368+/-0.031 χ^2/NDF:779814.2/15

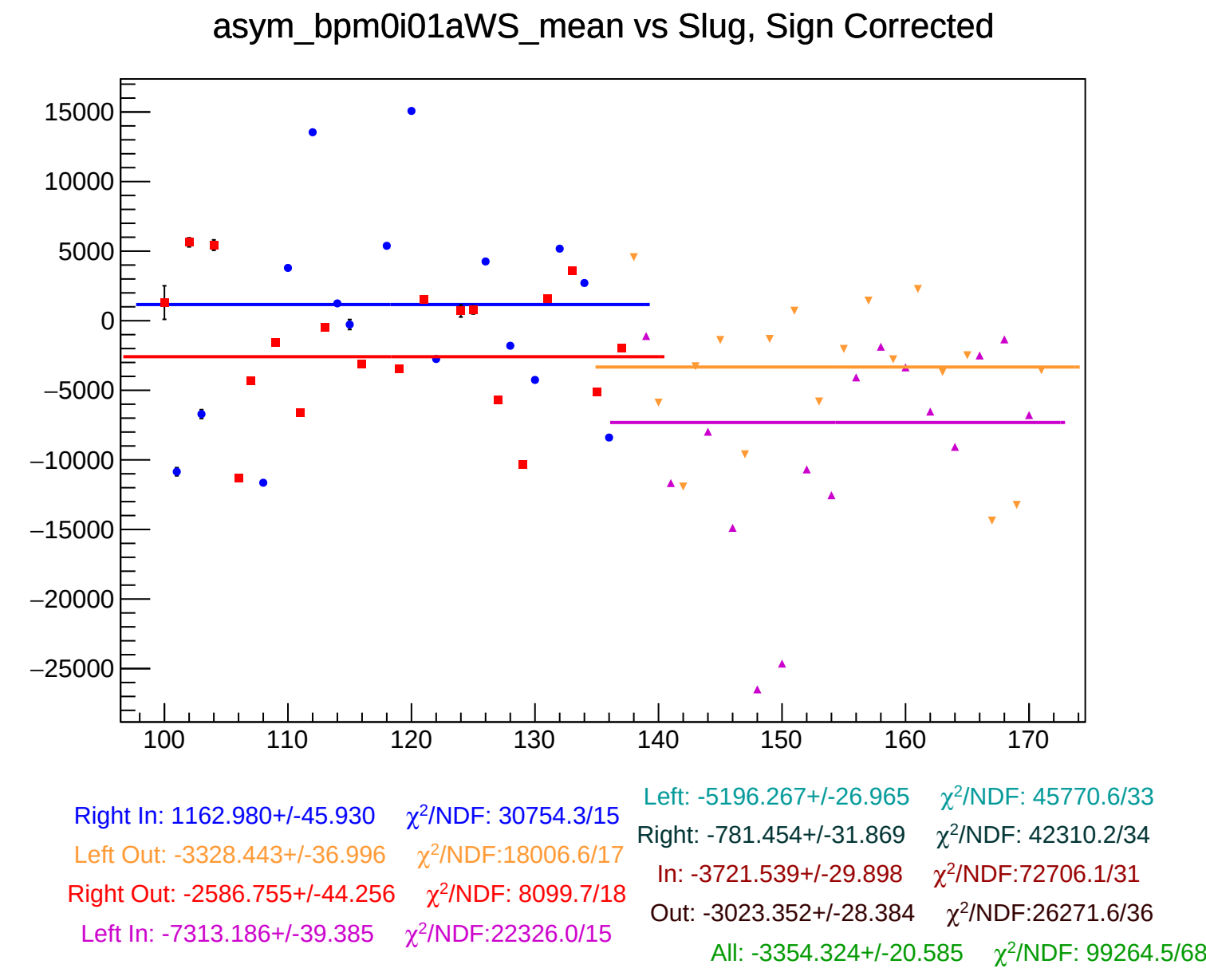
Left: 155.724+/-0.022 χ^2/NDF: 1505116.7/33

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

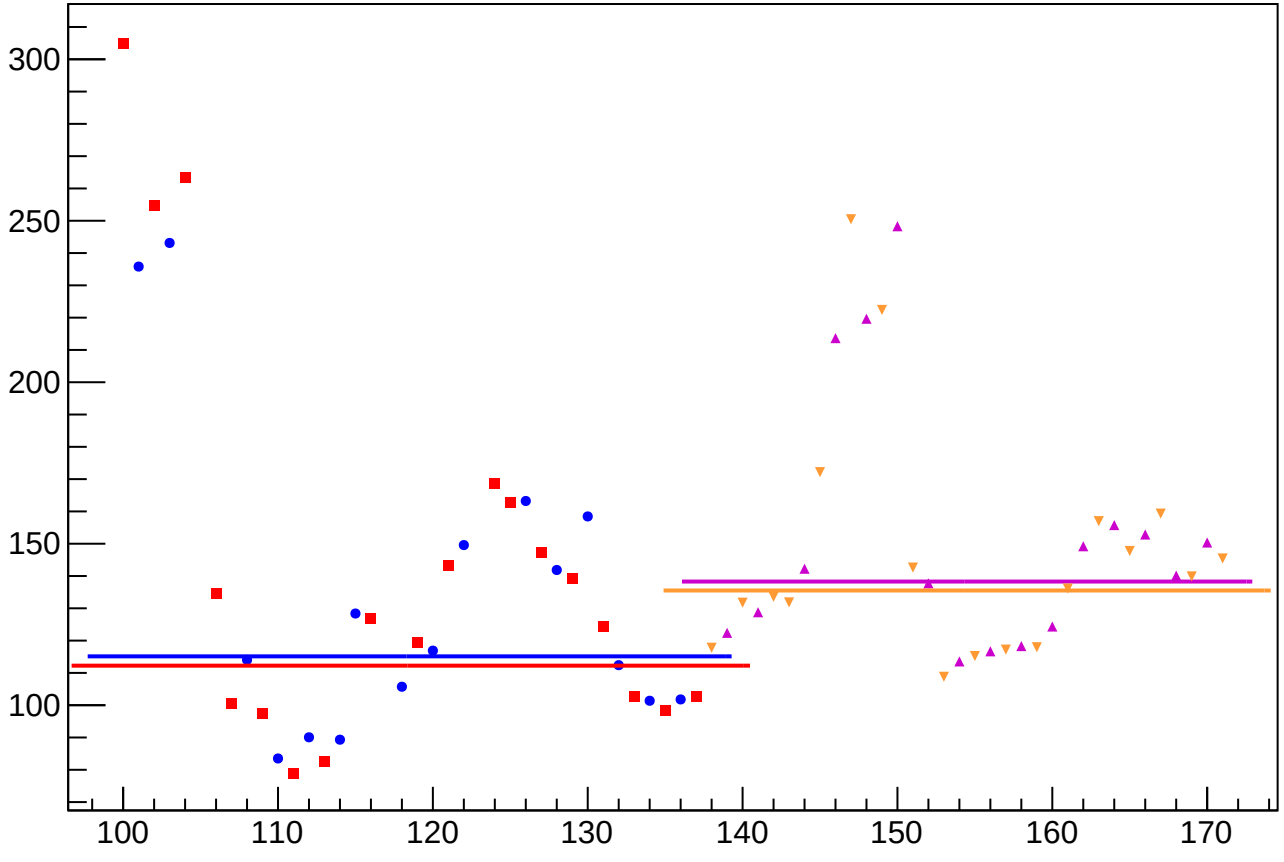
In: 150.777+/-0.024 χ^2/NDF:1566798.0/31

Out: 148.598+/-0.023 χ^2/NDF:1619565.5/36

All: 149.636+/-0.017 χ^2/NDF: 3190535.4/68


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: -7313.186+/-39.385 χ²/NDF:22326.0/15
Left: -5196.267+/-26.965 χ²/NDF: 45770.6/33
Right: -781.454+/-31.869 χ²/NDF: 42310.2/34
In: -3721.539+/-29.898 χ²/NDF:72706.1/31
Out: -3023.352+/-28.384 χ²/NDF:26271.6/36
All: -3354.324+/-20.585 χ²/NDF: 99264.5/68

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: 138.286+/-0.028 χ^2/NDF:1077544.0/15

Left: 136.815+/-0.019 χ^2/NDF: 2104517.0/33

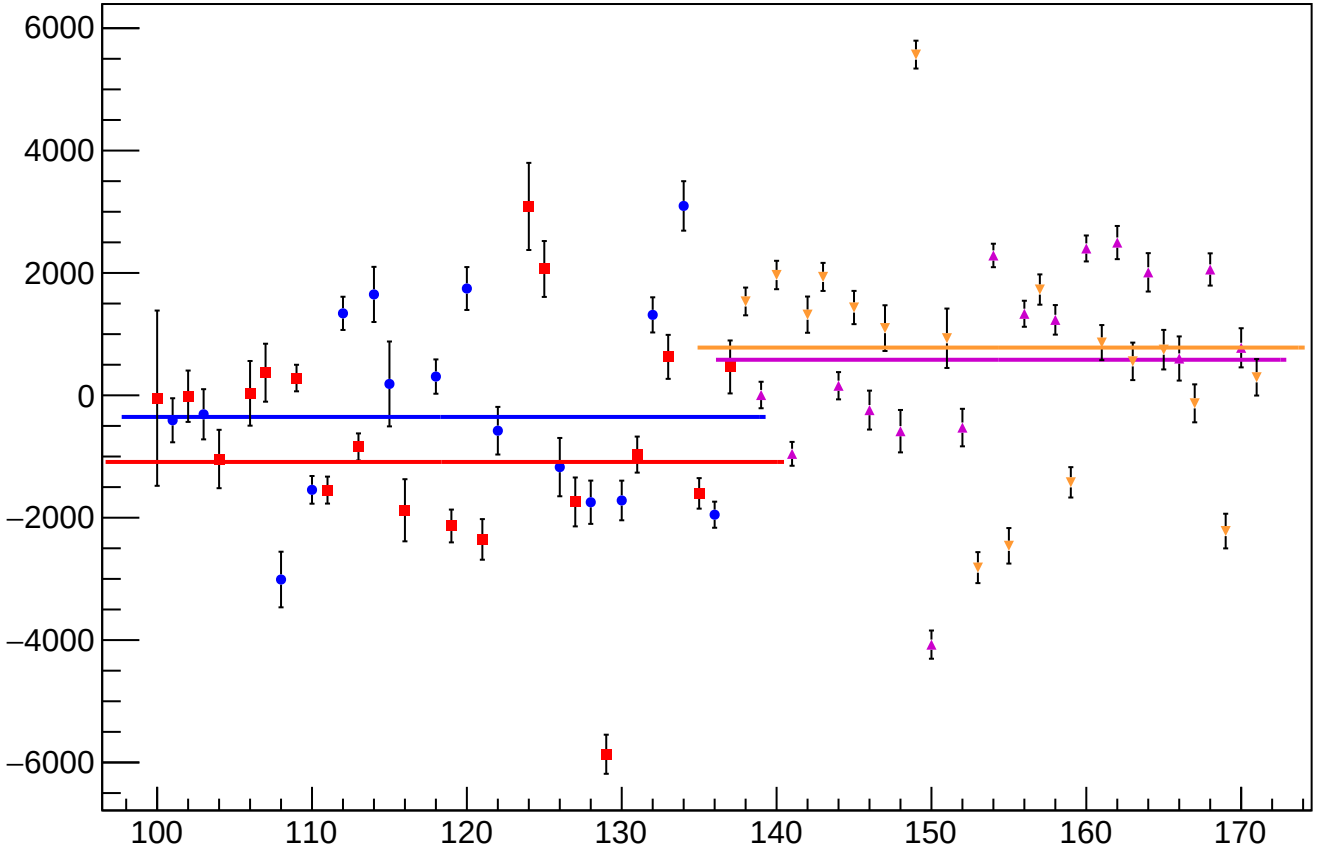
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 128.472+/-0.021 χ^2/NDF:2483593.3/31

Out: 125.943+/-0.020 χ^2/NDF:2675534.1/36

All: 127.142+/-0.015 χ^2/NDF: 5166656.0/68

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: 581.195+/-62.056 χ^2/NDF:786.2/15

Left: 676.735+/-44.772 χ^2/NDF: 1849.2/33

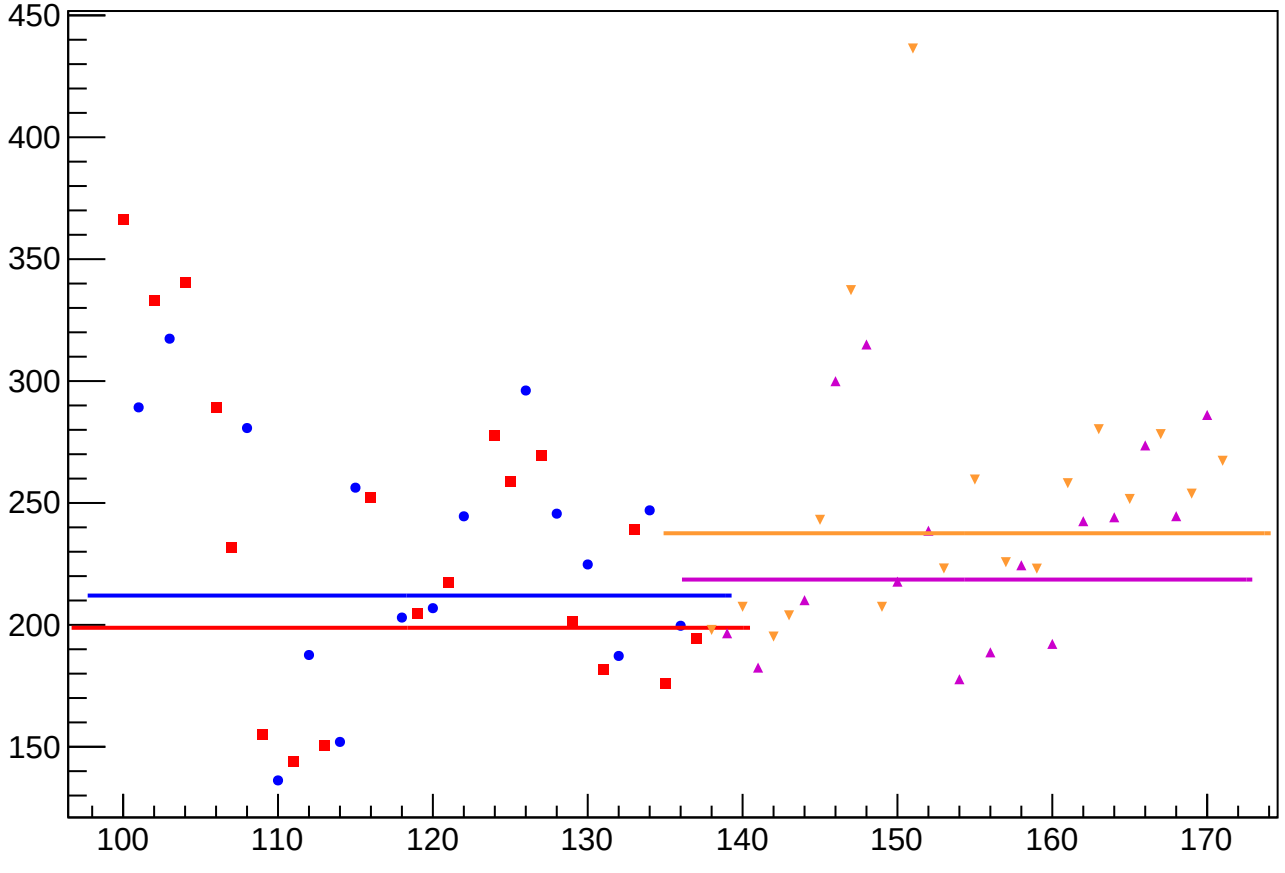
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 241.672+/-49.513 χ^2/NDF:1230.4/31

Out: 0.904+/-49.367 χ^2/NDF:1853.8/36

All: 120.933+/-34.959 χ^2/NDF: 3096.1/68

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: 218.586+/-0.044 χ^2/NDF:732589.2/15

Left: 227.693+/-0.032 χ^2/NDF: 1658473.2/33

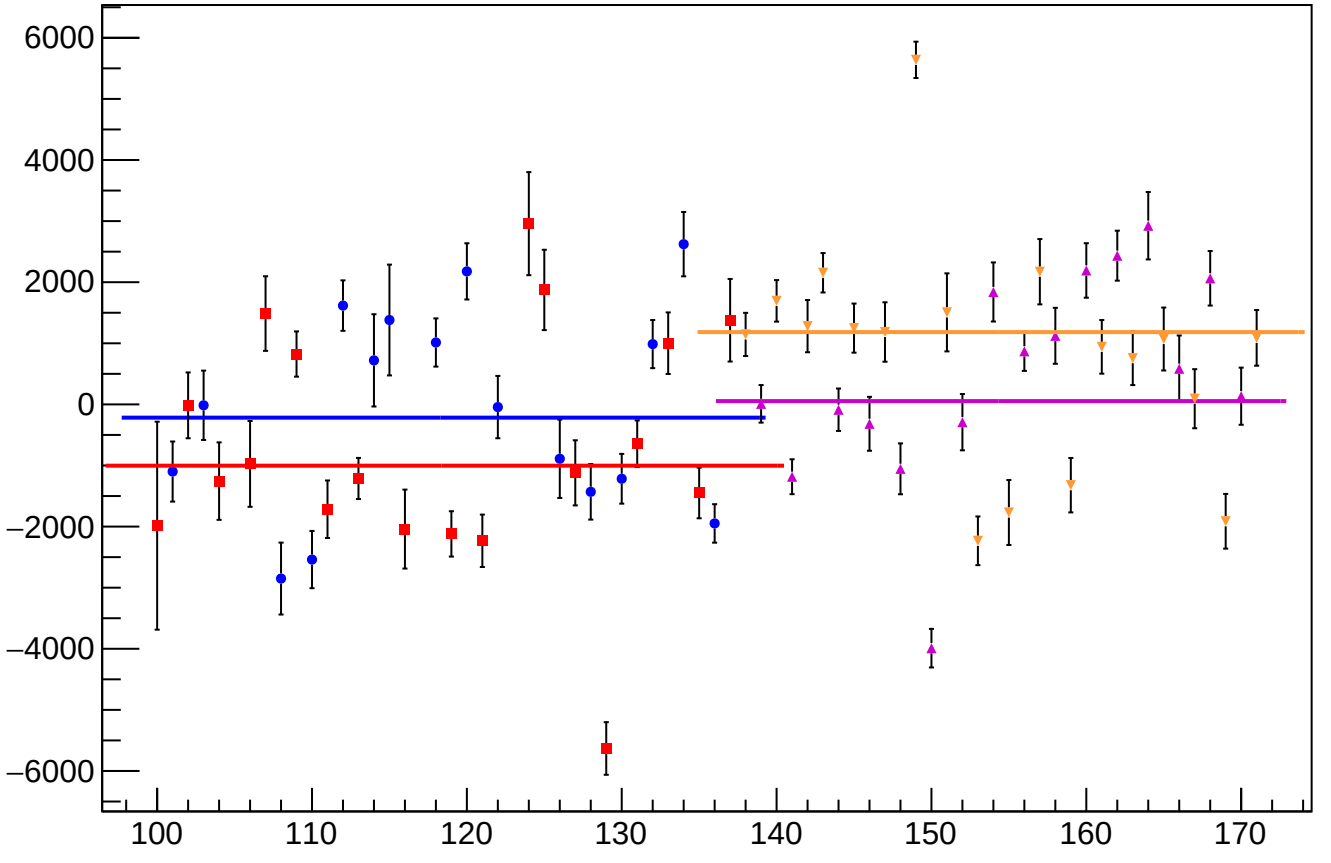
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 216.202+/-0.035 χ^2/NDF:1431064.4/31

Out: 221.410+/-0.035 χ^2/NDF:2110870.8/36

All: 218.814+/-0.025 χ^2/NDF: 3553031.7/68

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: 54.082+/-98.644 χ^2/NDF:322.0/15

Left: 618.065+/-69.794 χ^2/NDF: 817.4/33

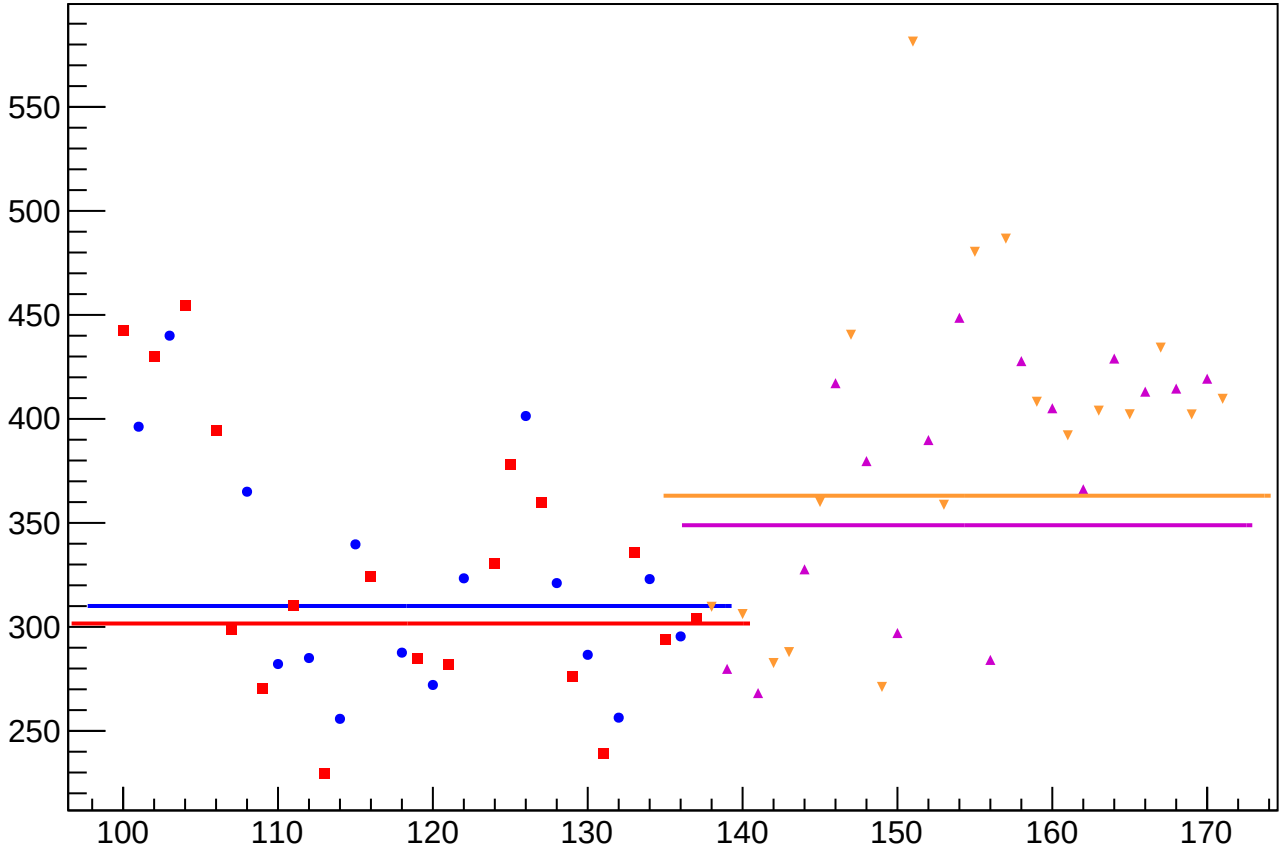
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -57.535+/-75.652 χ^2/NDF:517.2/31

Out: 237.563+/-74.395 χ^2/NDF:896.4/36

All: 92.486+/-53.044 χ^2/NDF: 1421.4/68

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: 348.885+/-0.070 χ^2/NDF:816184.0/15

Left: 355.974+/-0.049 χ^2/NDF: 1936156.2/33

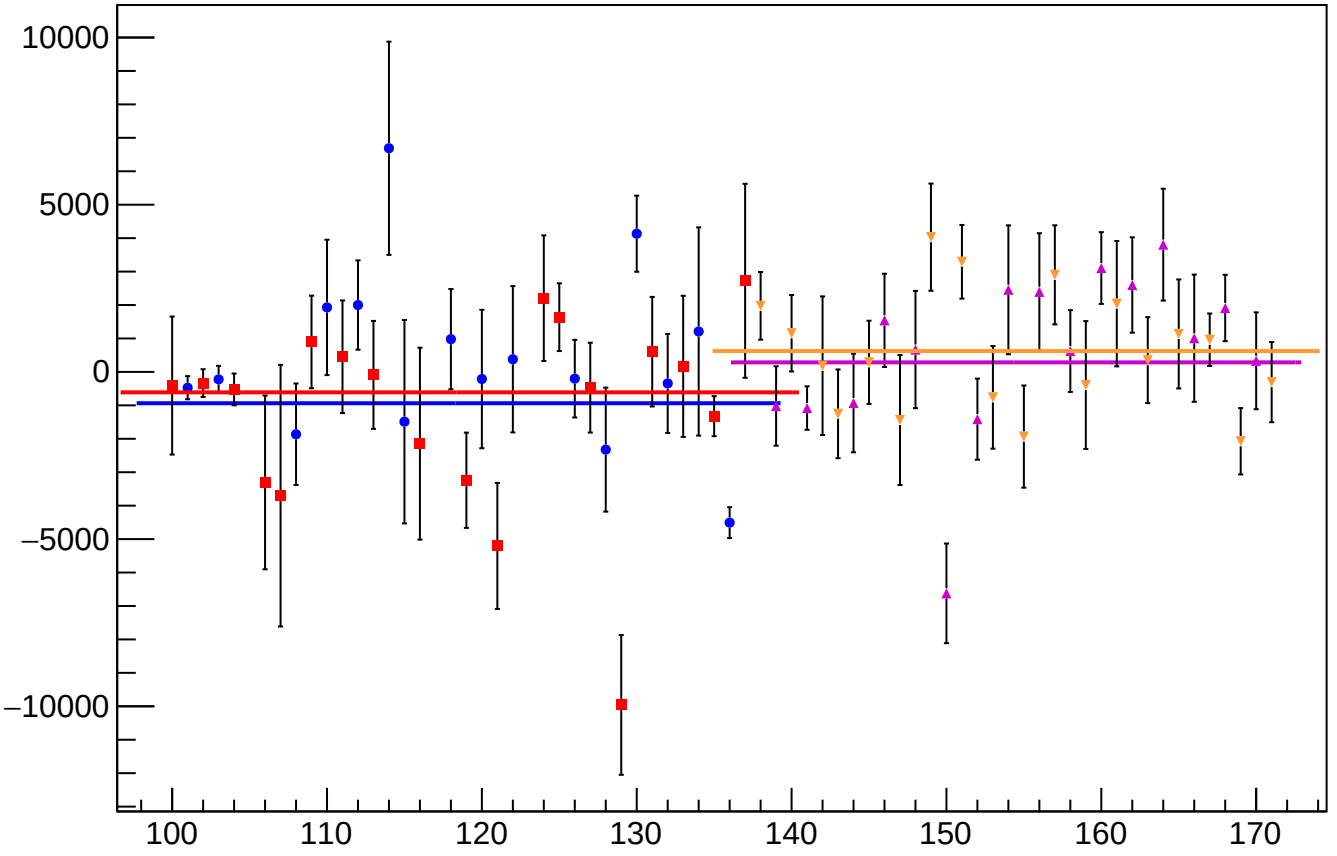
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 332.897+/-0.053 χ^2/NDF:1267051.0/31

Out: 336.500+/-0.053 χ^2/NDF:1954035.3/36

All: 334.729+/-0.038 χ^2/NDF: 3223392.2/68

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: 284.990+/-312.283 χ^2/NDF:50.2/15

Left: 458.802+/-217.681 χ^2/NDF: 81.6/33

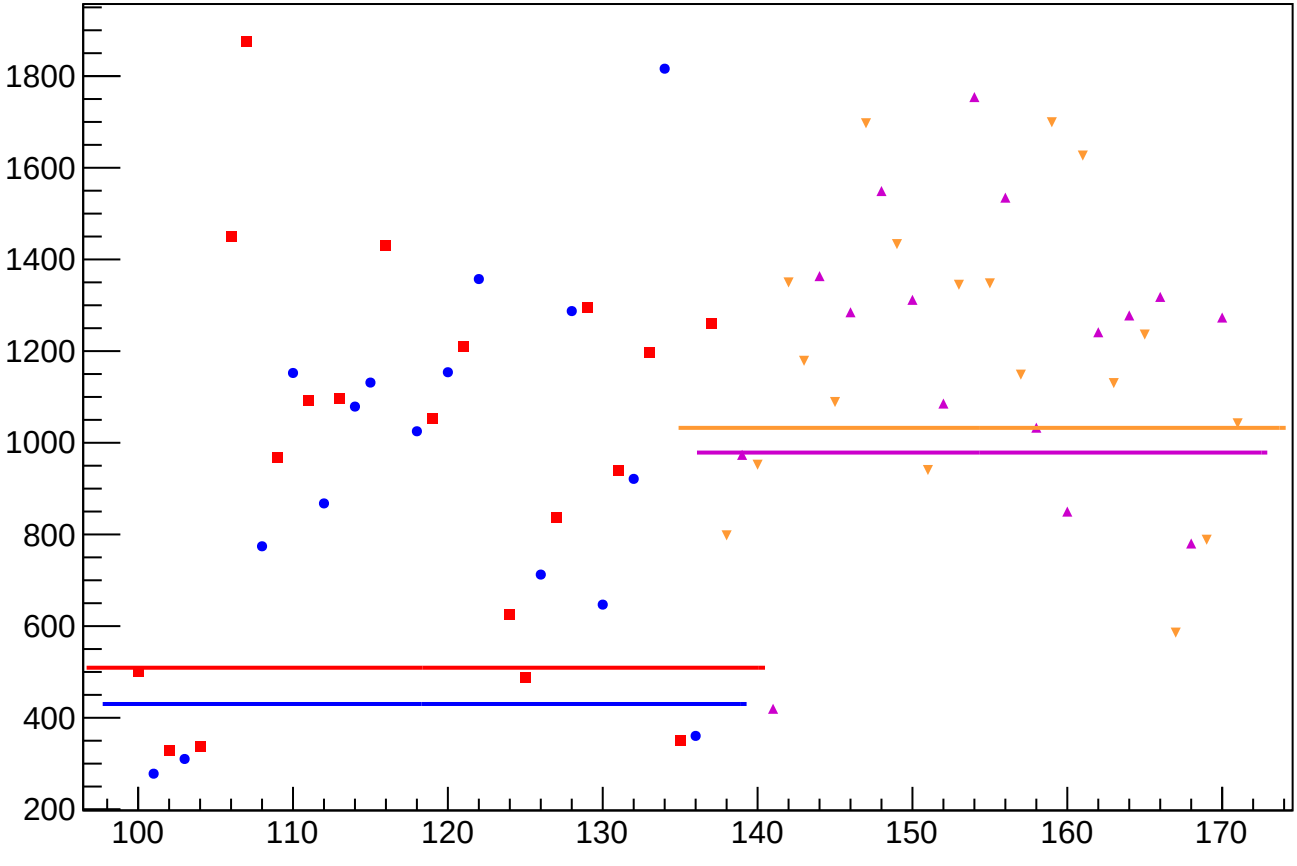
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -569.666+/-171.208 χ^2/NDF:162.1/31

Out: -153.621+/-184.911 χ^2/NDF:85.3/36

All: -377.628+/-125.628 χ^2/NDF: 250.2/68

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: 978.642+/-0.221 χ^2/NDF:2955188.2/15

Left: 1006.358+/-0.154 χ^2/NDF: 4988010.7/33

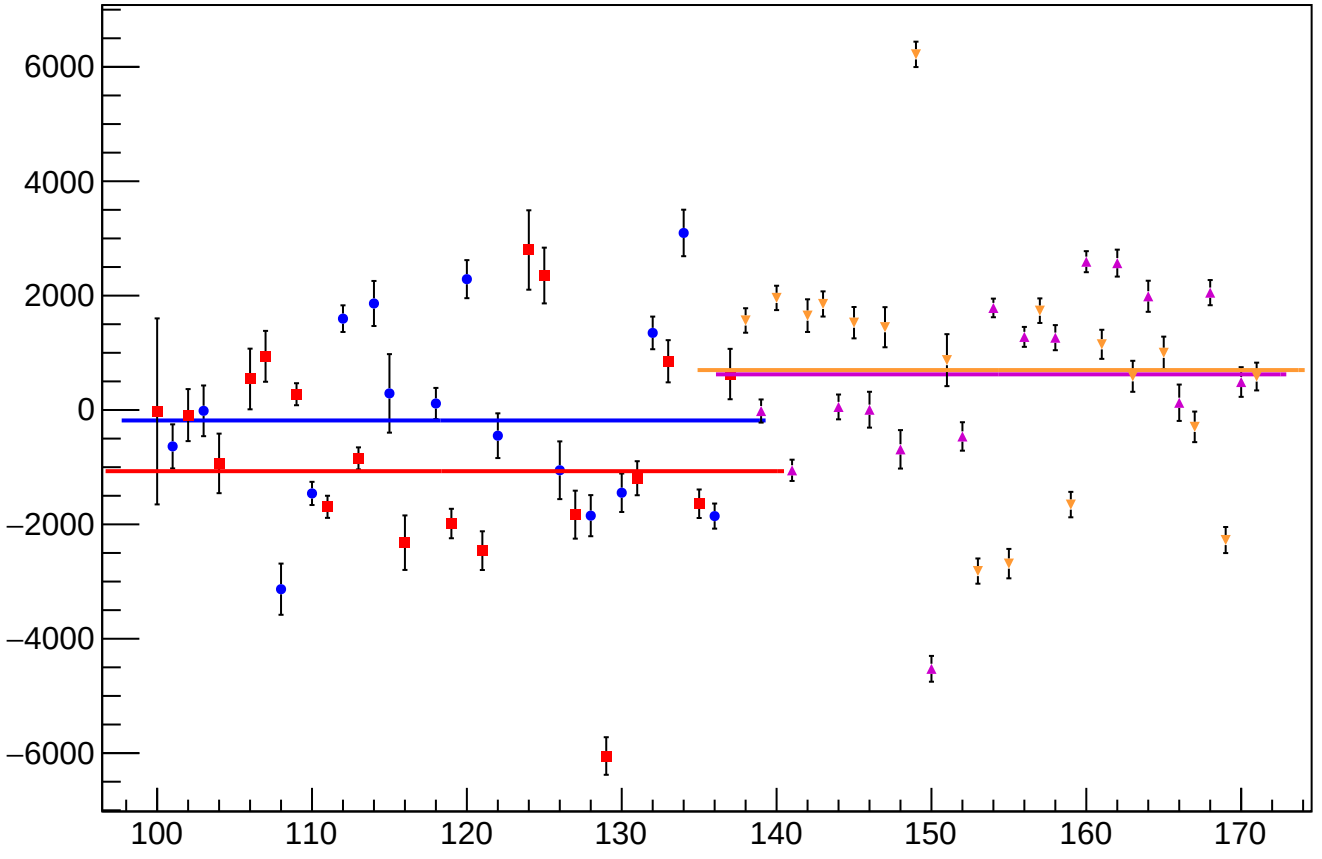
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 594.985+/-0.121 χ^2/NDF:10793024.0/31

Out: 703.368+/-0.131 χ^2/NDF:9413644.3/36

All: 645.012+/-0.089 χ^2/NDF: 20576628.0/68

asym_bpm0l04WS_mean vs Slug, Sign Corrected



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: 623.296+/-55.283 χ^2/NDF:983.7/15

Left: 658.620+/-40.167 χ^2/NDF: 2458.1/33

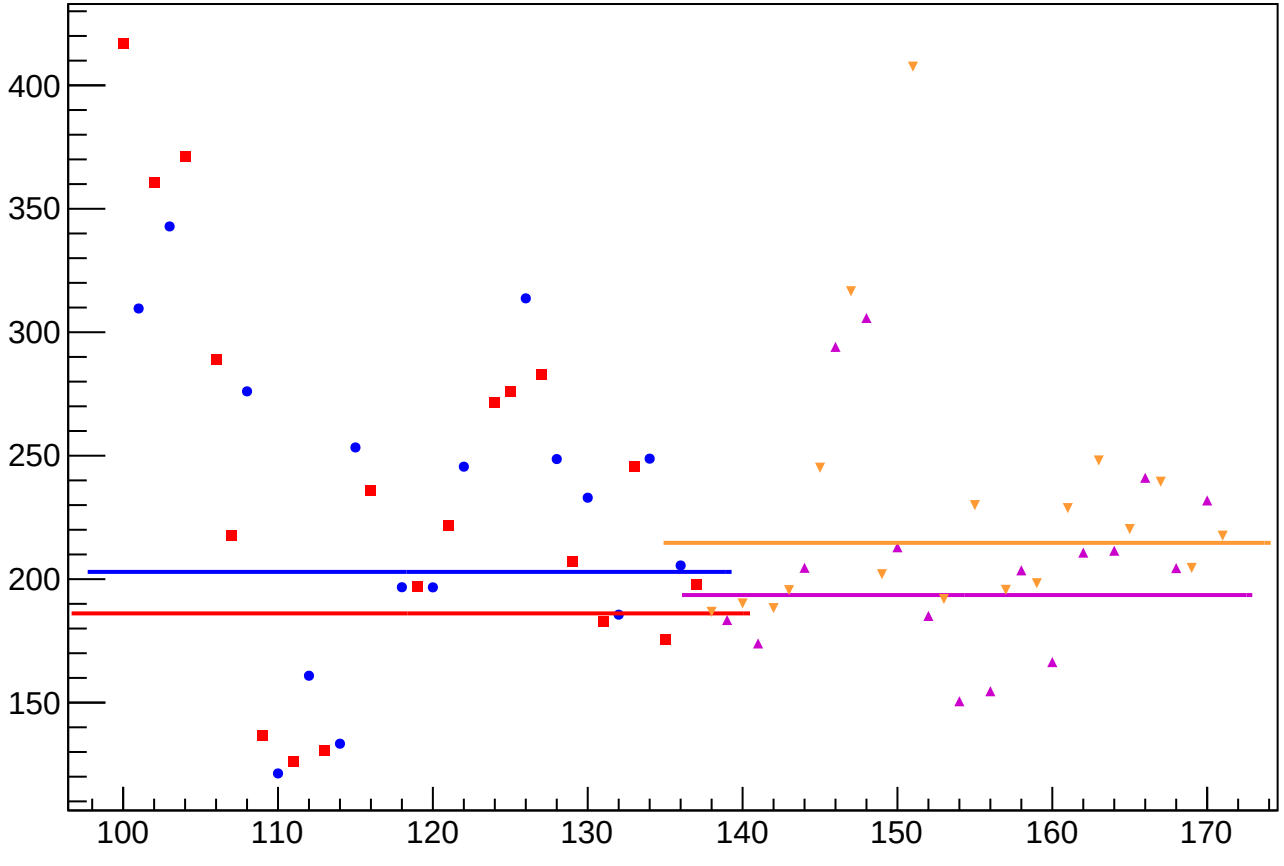
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 362.095+/-45.455 χ^2/NDF:1470.3/31

Out: 8.049+/-45.646 χ^2/NDF:2322.8/36

All: 185.816+/-32.209 χ^2/NDF: 3823.3/68

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: 193.560+/-0.039 χ^2/NDF:877294.6/15

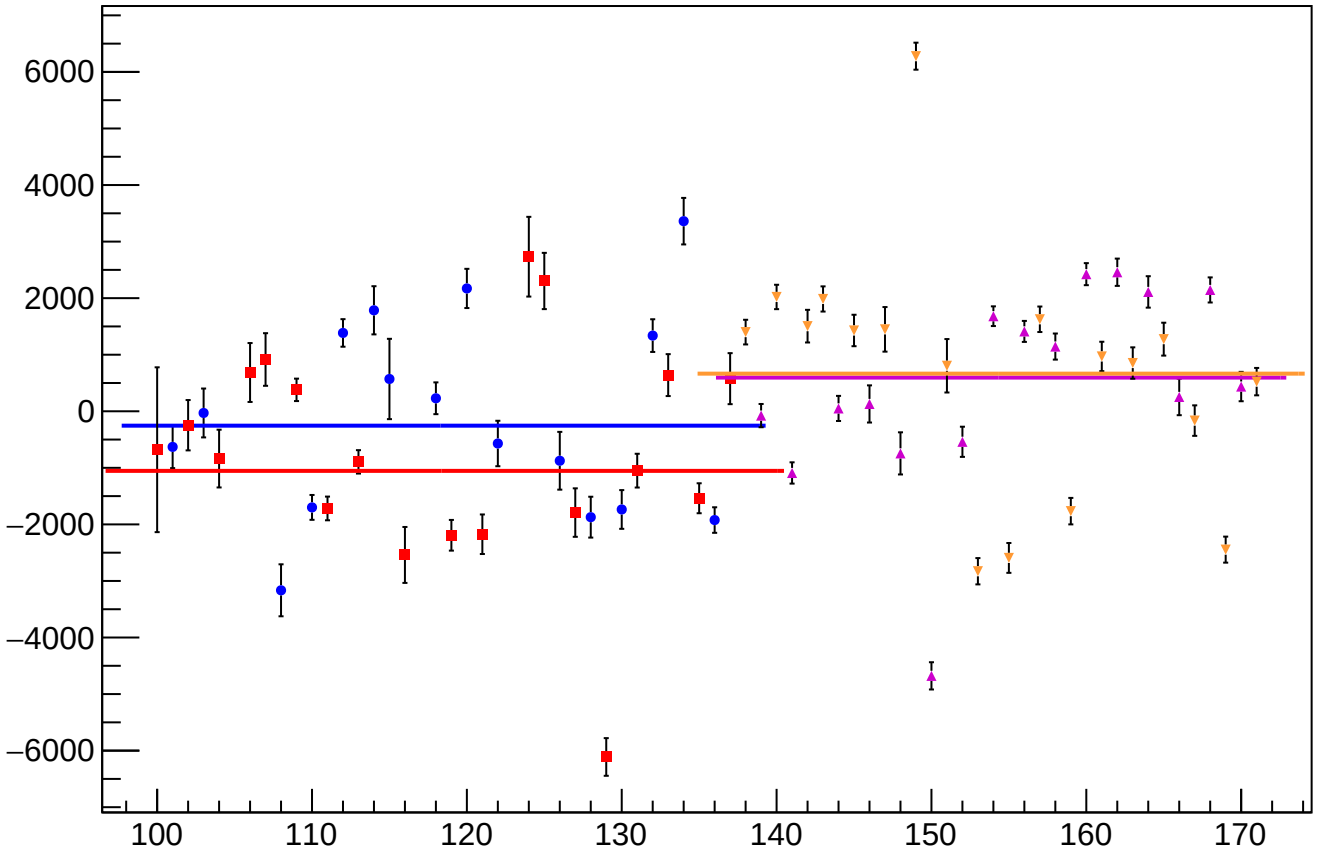
Left: 203.543+/-0.028 χ^2/NDF: 1781849.3/33

Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 196.599+/-0.032 χ^2/NDF:1967809.5/31

Out: 203.551+/-0.032 χ^2/NDF:2434627.5/36

All: 200.060+/-0.023 χ^2/NDF: 4425727.2/68



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: 595.508+/-57.553 χ^2/NDF:900.6/15

Left: 628.873+/-41.589 χ^2/NDF: 2262.9/33

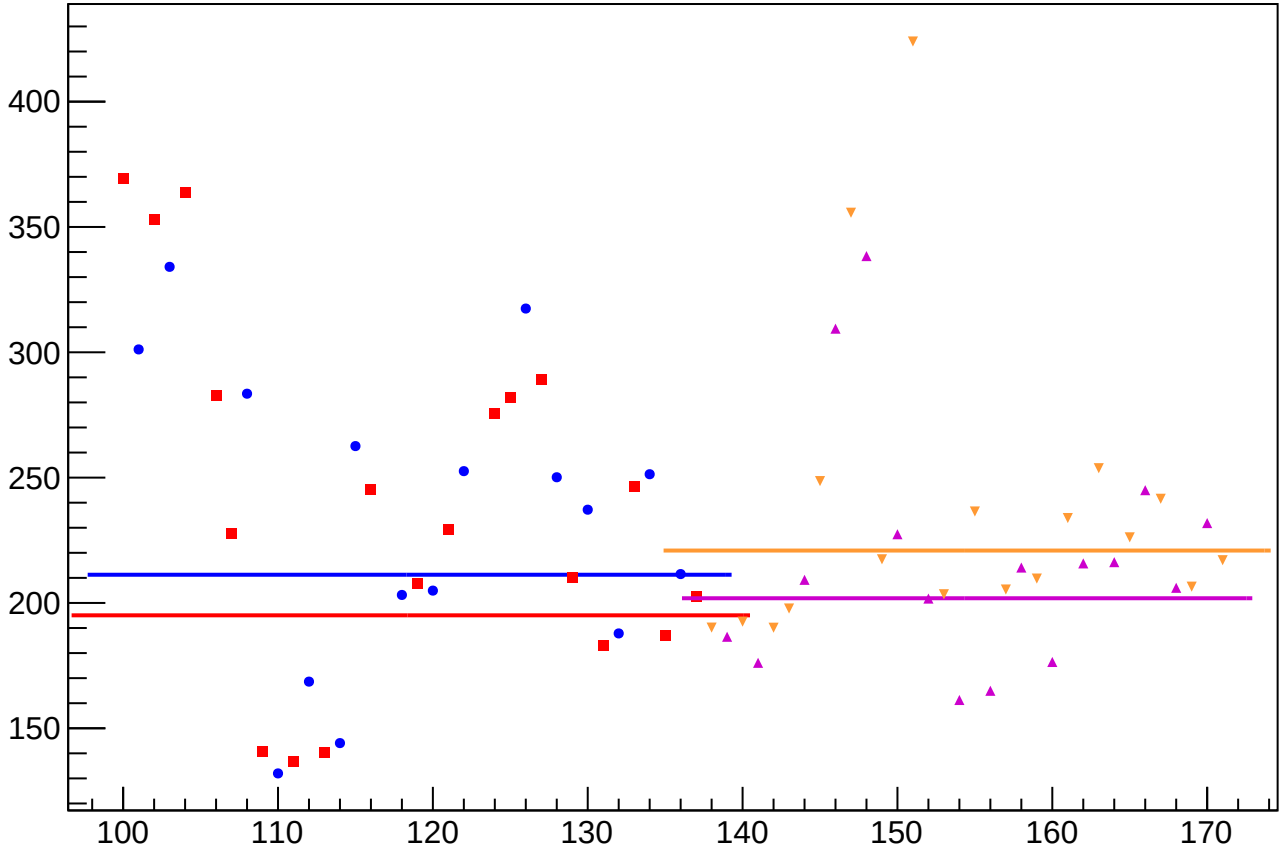
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 317.220+/-47.200 χ^2/NDF:1381.3/31

Out: 2.699+/-47.166 χ^2/NDF:2154.0/36

All: 159.846+/-33.363 χ^2/NDF: 3557.5/68

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: 201.873+/-0.041 χ^2/NDF:858440.4/15

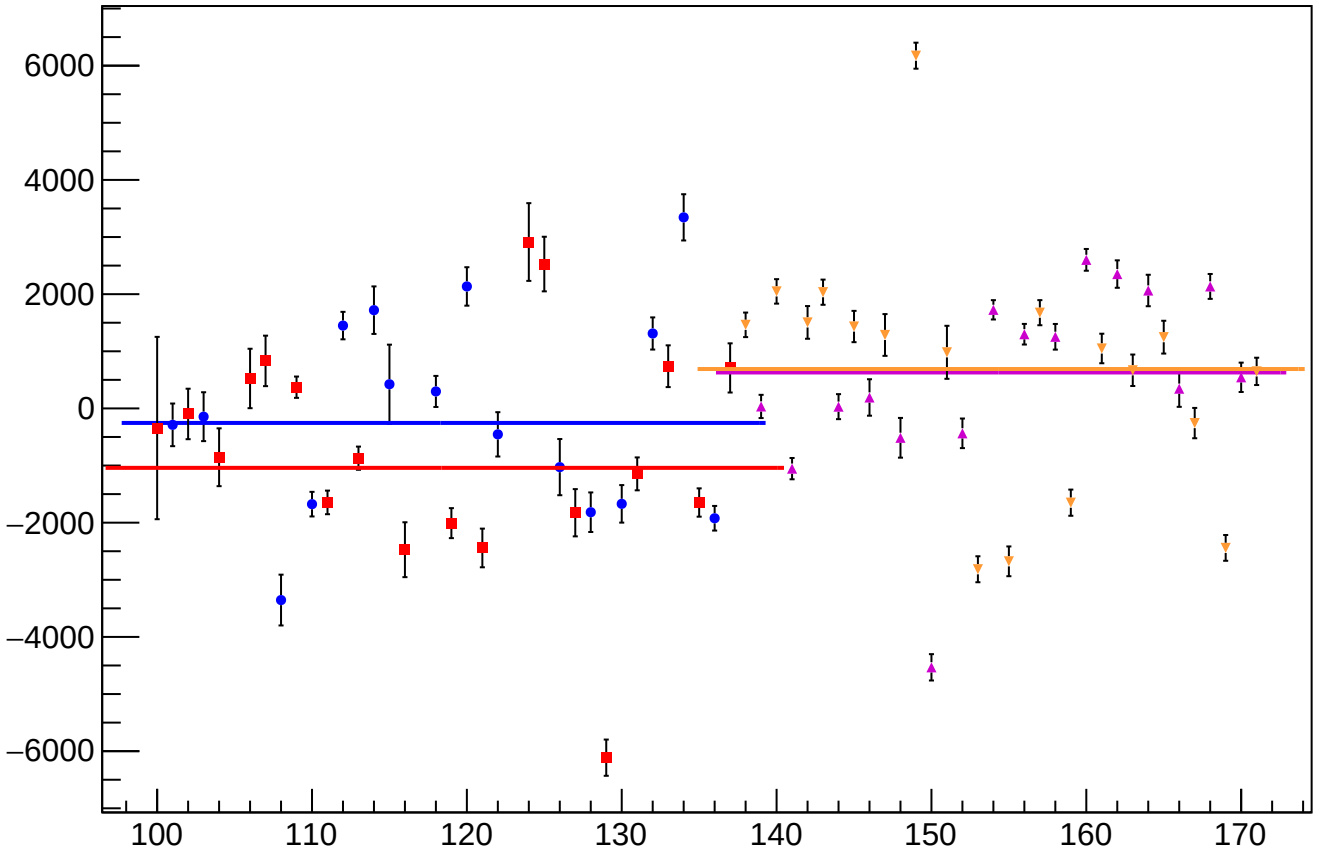
Left: 210.967+/-0.029 χ^2/NDF: 1791364.5/33

Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 204.944+/-0.033 χ^2/NDF:1760200.8/31

Out: 210.944+/-0.033 χ^2/NDF:2255538.2/36

All: 207.946+/-0.024 χ^2/NDF: 4031909.3/68



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: 629.221+/-56.324 χ^2/NDF:926.1/15

Left: 657.953+/-40.770 χ^2/NDF: 2355.4/33

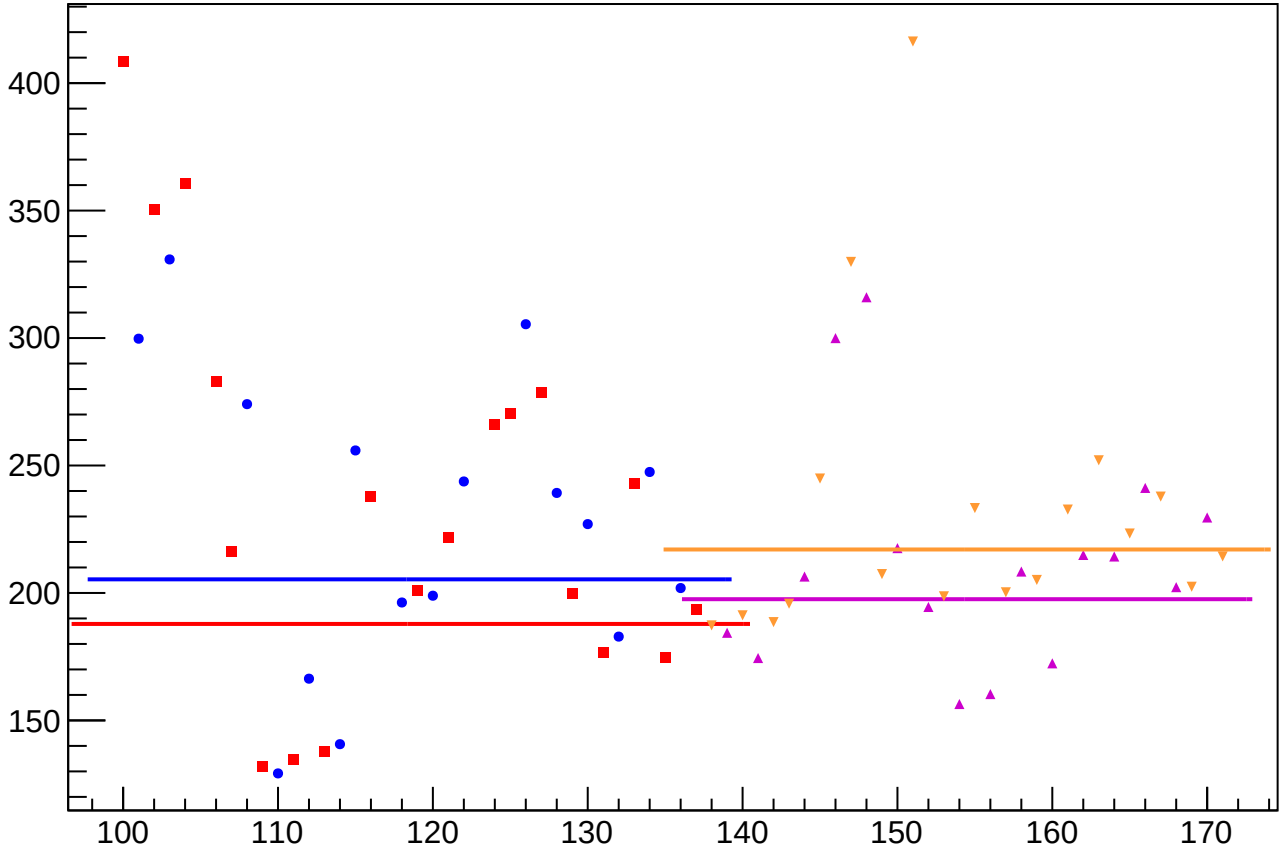
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 337.586+/-46.097 χ^2/NDF:1439.4/31

Out: 8.865+/-46.020 χ^2/NDF:2299.3/36

All: 172.951+/-32.568 χ^2/NDF: 3764.2/68

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: 197.555+/-0.040 χ^2/NDF:825916.1/15

Left: 206.838+/-0.029 χ^2/NDF: 1728904.0/33

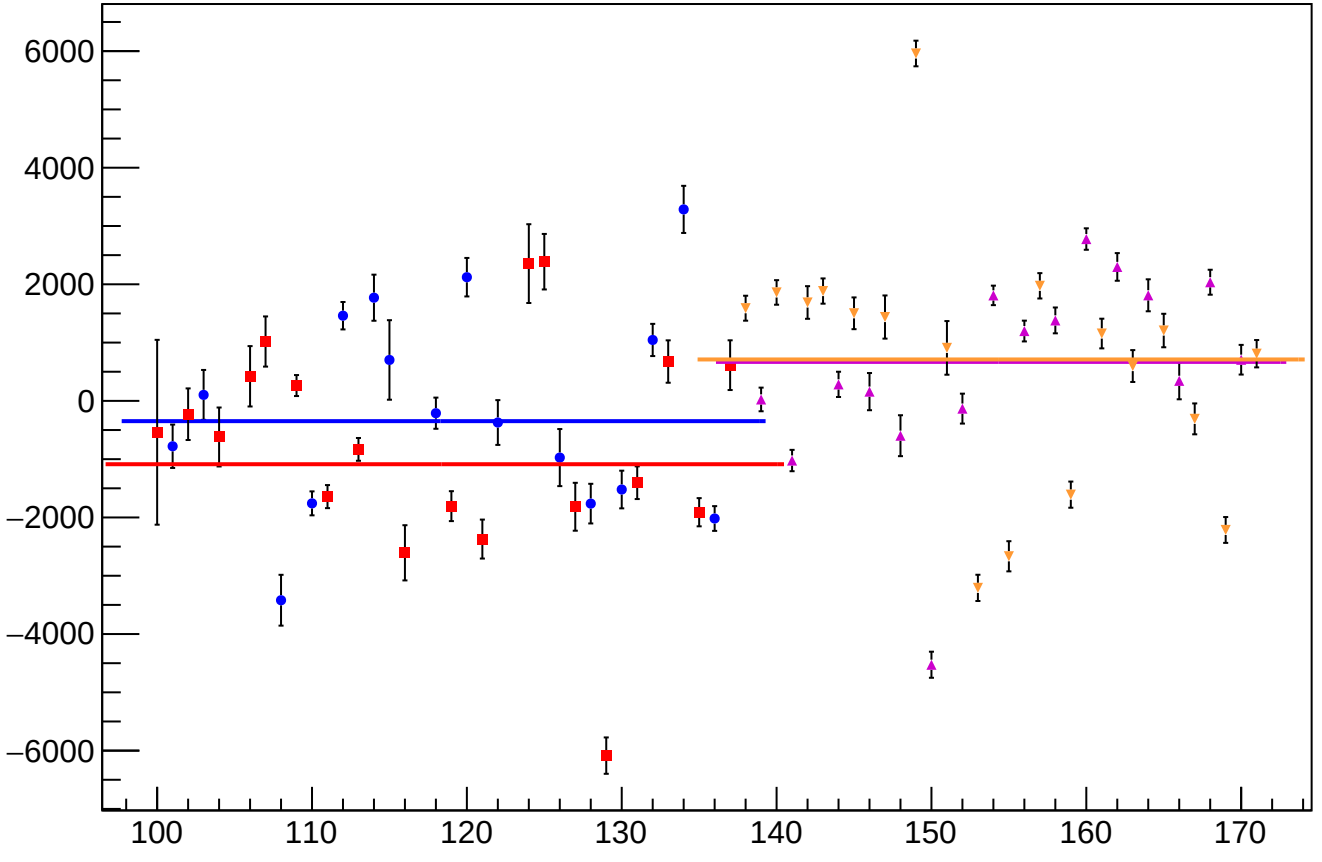
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 200.126+/-0.033 χ^2/NDF:1715935.3/31

Out: 205.563+/-0.033 χ^2/NDF:2318173.9/36

All: 202.849+/-0.023 χ^2/NDF: 4048046.3/68

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: 668.653+/-55.571 χ^2/NDF:965.8/15

Left: 688.551+/-40.234 χ^2/NDF: 2445.6/33

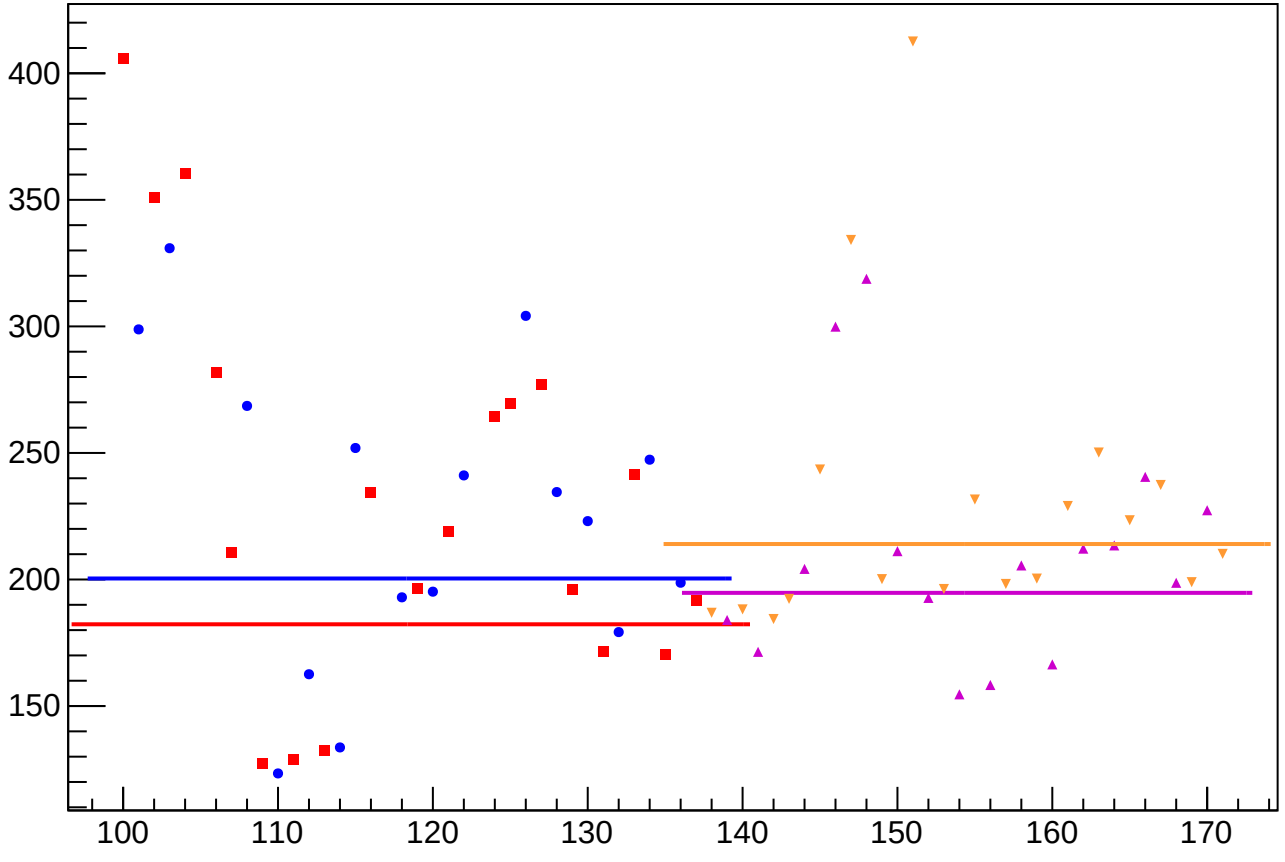
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 329.756+/-45.369 χ^2/NDF:1523.2/31

Out: -7.140+/-45.206 χ^2/NDF:2385.8/36

All: 160.703+/-32.023 χ^2/NDF: 3936.6/68

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: 194.723+/-0.039 χ^2/NDF:865982.0/15

Left: 203.903+/-0.028 χ^2/NDF: 1808485.7/33

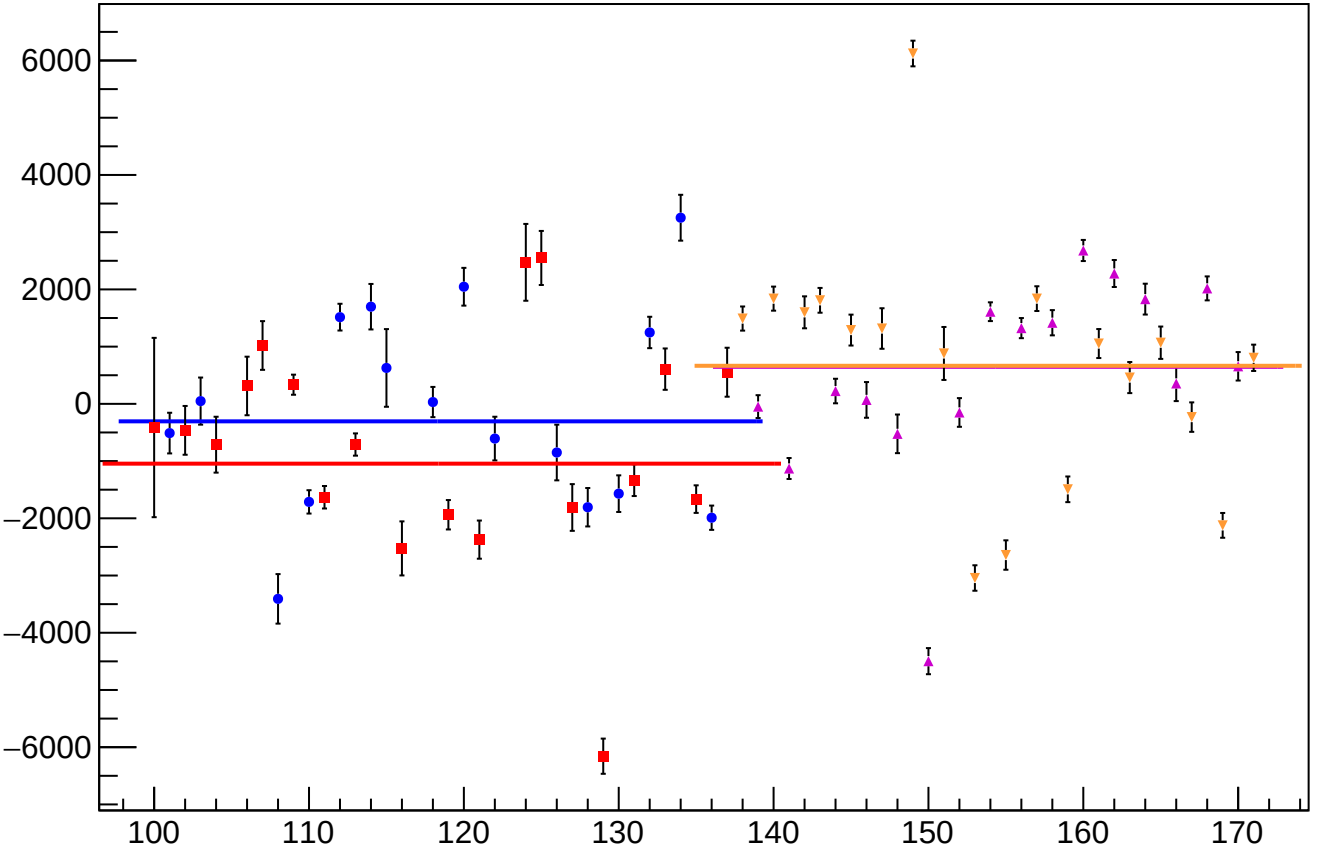
Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 196.616+/-0.032 χ^2/NDF:1831939.0/31

Out: 201.352+/-0.032 χ^2/NDF:2511108.3/36

All: 198.992+/-0.023 χ^2/NDF: 4353983.4/68

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: 646.749+/-54.921 χ^2/NDF:937.6/15

Left: 655.515+/-39.824 χ^2/NDF: 2372.4/33

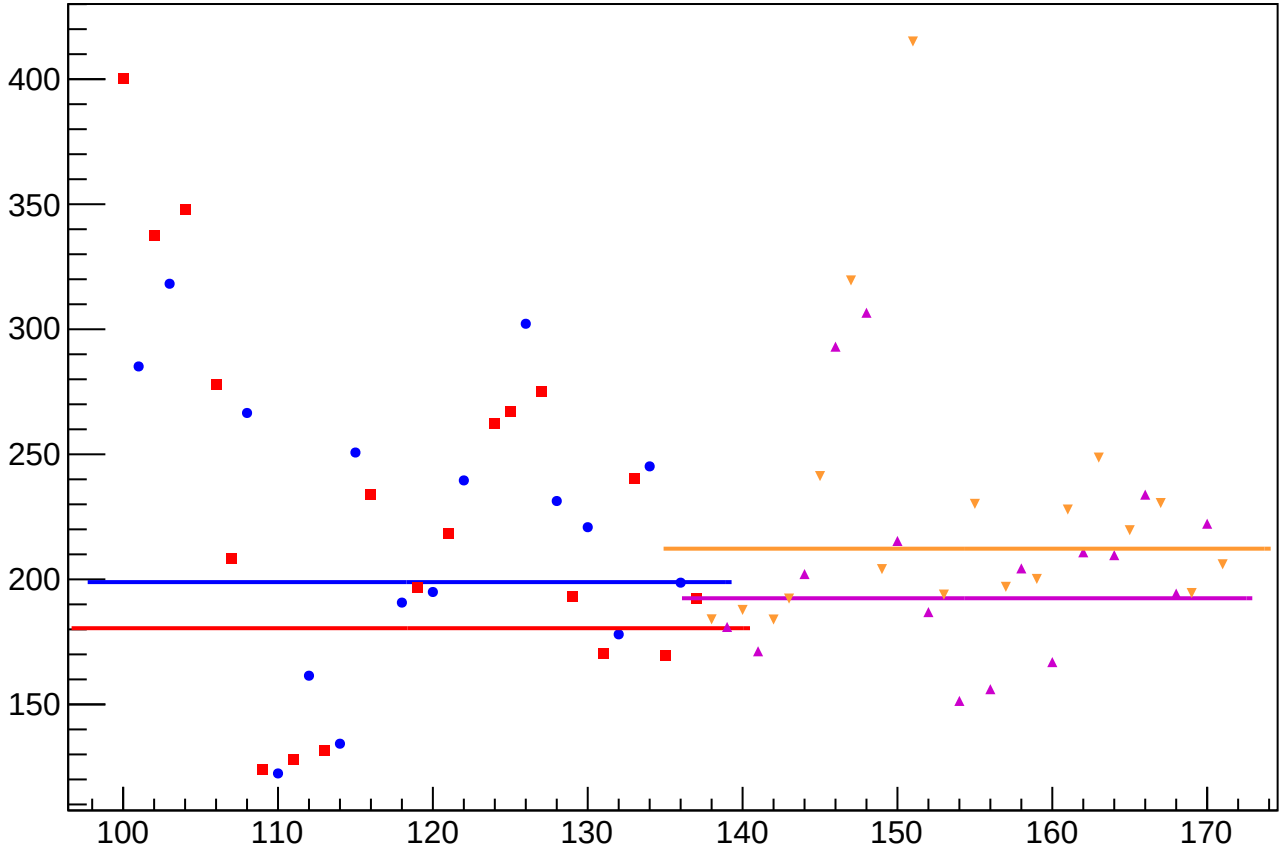
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 330.359+/-44.881 χ^2/NDF:1489.3/31

Out: -18.959+/-44.794 χ^2/NDF:2336.9/36

All: 155.362+/-31.705 χ^2/NDF: 3856.5/68

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: 192.448+/-0.039 χ^2/NDF:835521.4/15

Left: 201.849+/-0.028 χ^2/NDF: 1761649.3/33

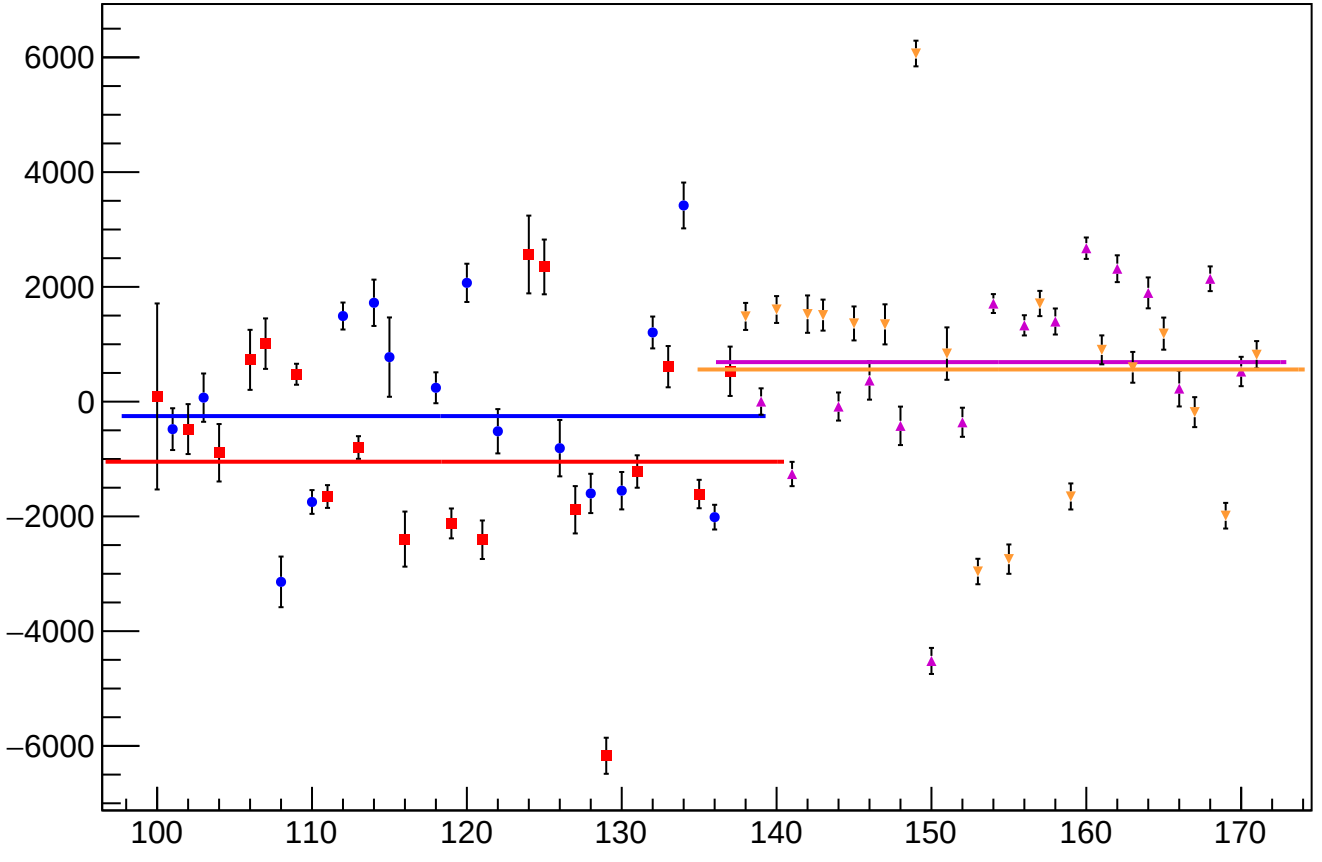
Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 194.592+/-0.032 χ^2/NDF:1757462.6/31

Out: 199.552+/-0.032 χ^2/NDF:2478902.2/36

All: 197.077+/-0.022 χ^2/NDF: 4248599.2/68

asym_bpm0l09WS_mean vs Slug, Sign Corrected



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: 688.938+/-57.062 χ^2/NDF:950.1/15

Left: 628.378+/-41.483 χ^2/NDF: 2313.6/33

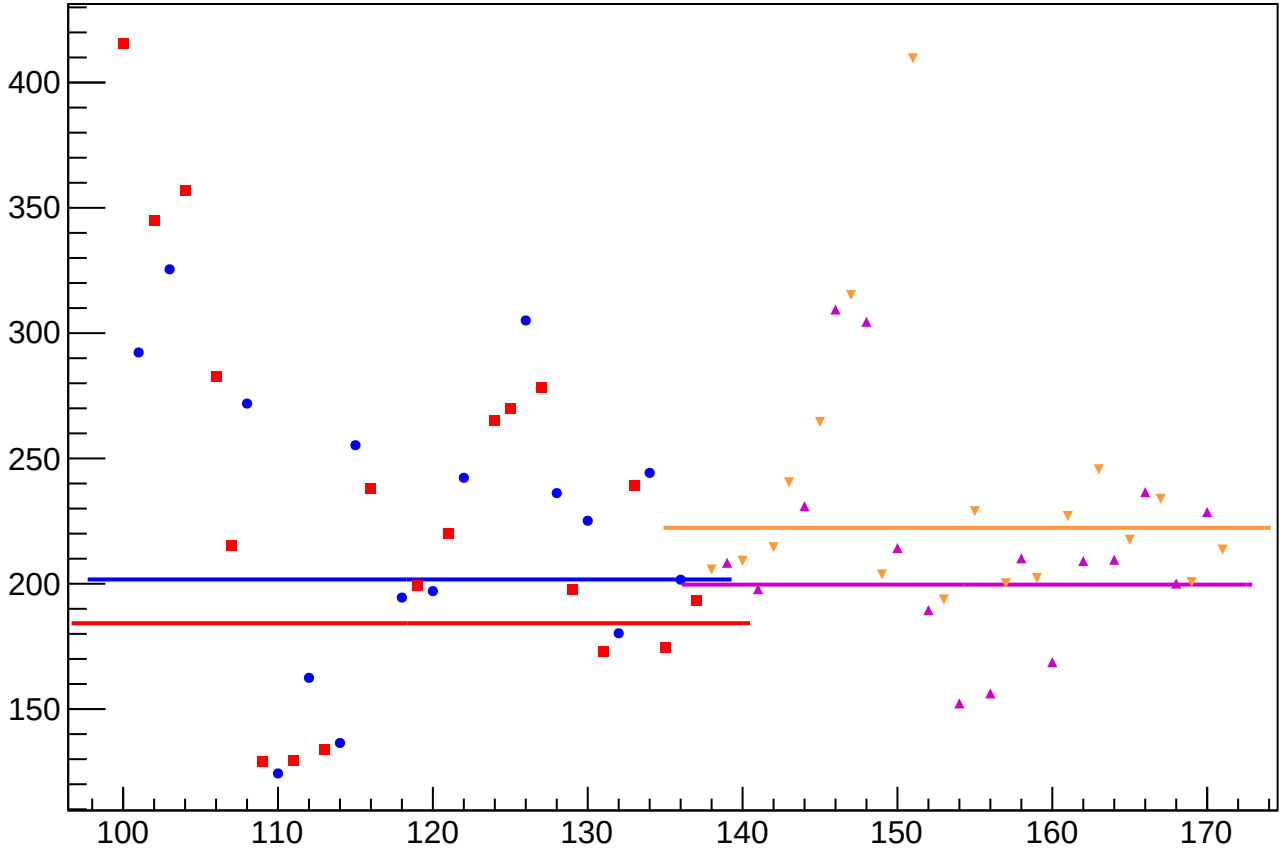
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 366.265+/-46.252 χ^2/NDF:1484.6/31

Out: -101.637+/-46.330 χ^2/NDF:2199.4/36

All: 132.705+/-32.733 χ^2/NDF: 3735.1/68

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: 199.659+/-0.040 χ^2/NDF:864840.7/15

Left: 210.345+/-0.029 χ^2/NDF: 1684704.1/33

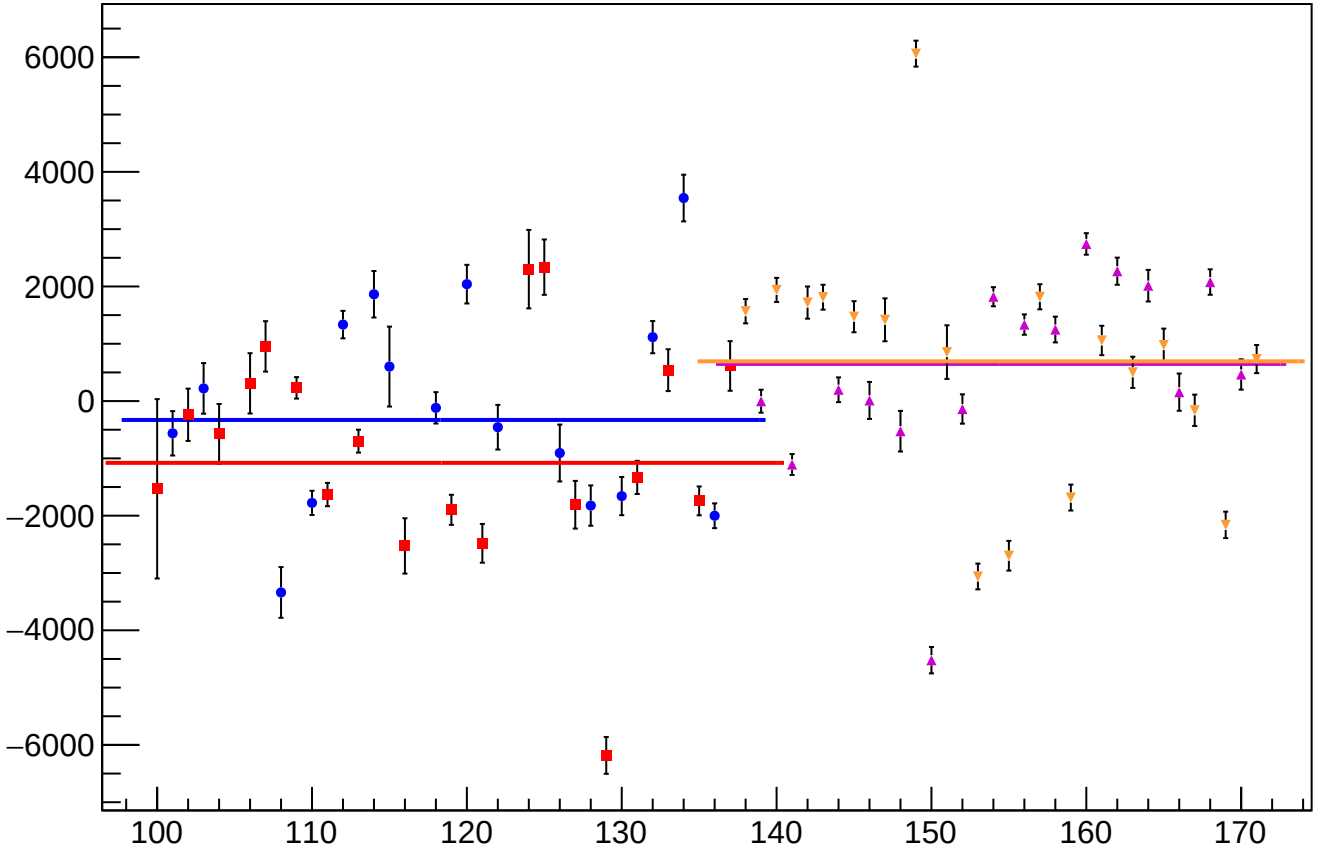
Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 200.364+/-0.033 χ^2/NDF:1789940.0/31

Out: 206.639+/-0.033 χ^2/NDF:2402145.4/36

All: 203.496+/-0.023 χ^2/NDF: 4210463.7/68

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: 648.622+/-56.011 χ^2/NDF:947.9/15

Left: 669.787+/-40.588 χ^2/NDF: 2366.5/33

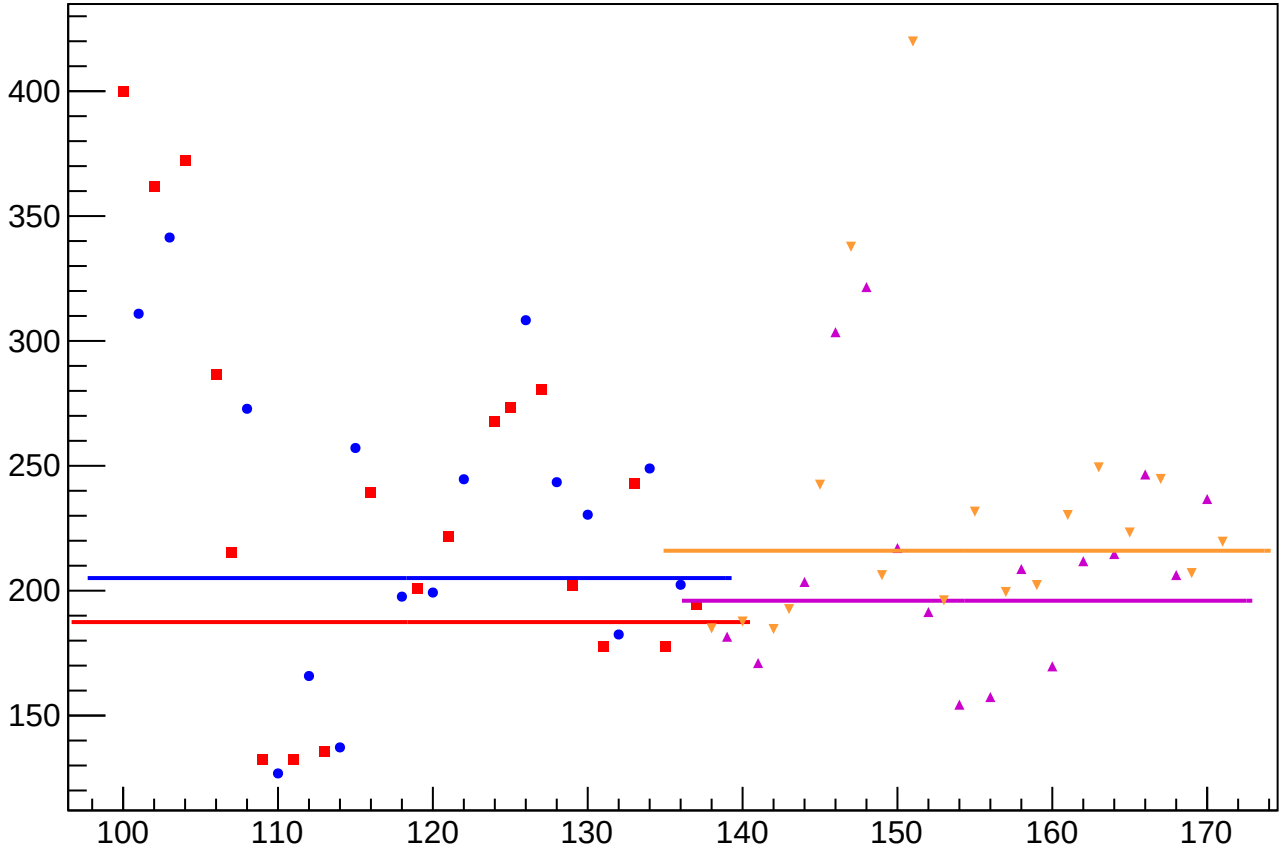
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 328.886+/-45.952 χ^2/NDF:1483.9/31

Out: -0.459+/-45.938 χ^2/NDF:2274.5/36

All: 164.164+/-32.488 χ^2/NDF: 3784.1/68

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: 195.980+/-0.040 χ^2/NDF:923058.9/15

Left: 205.487+/-0.029 χ^2/NDF: 1890513.0/33

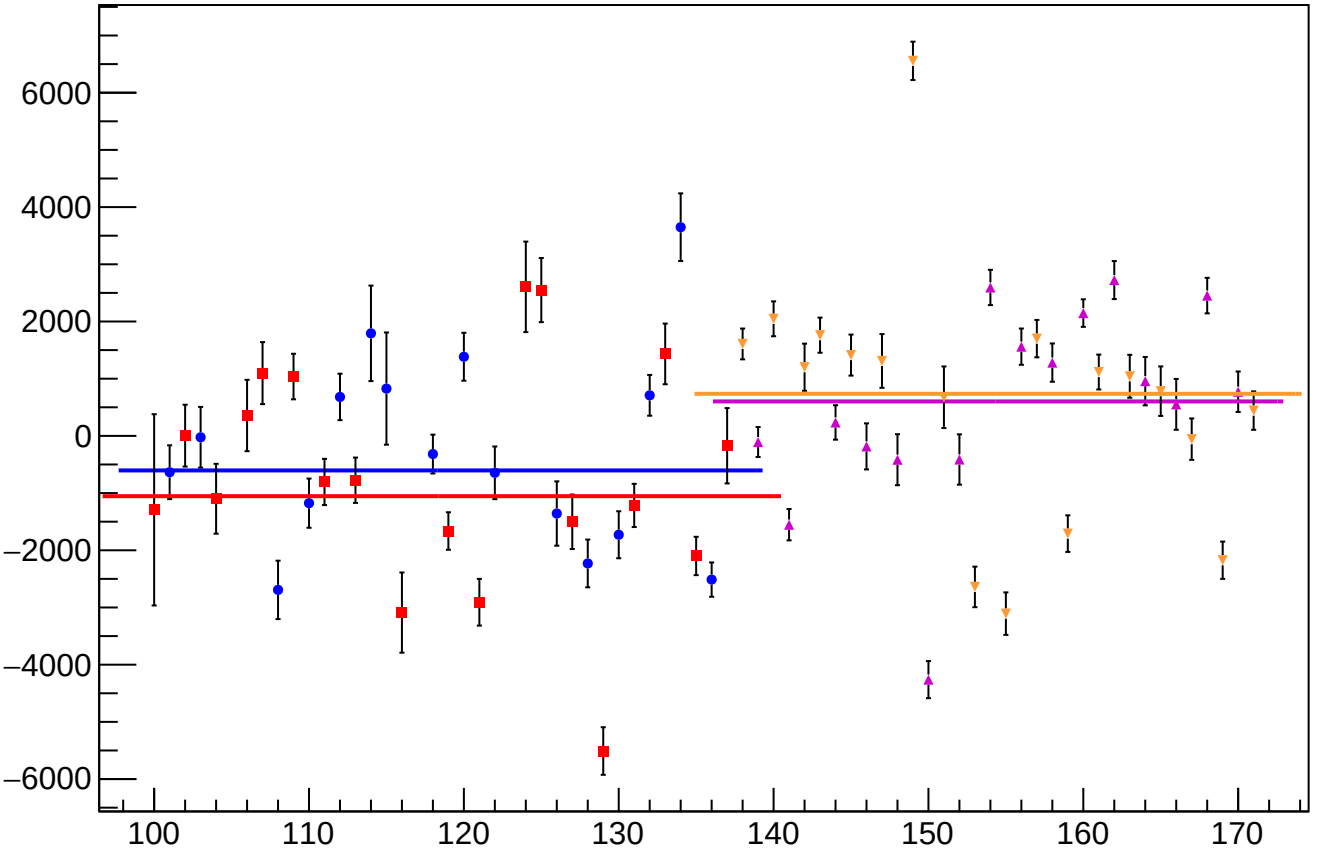
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 198.946+/-0.032 χ^2/NDF:1903266.8/31

Out: 204.811+/-0.032 χ^2/NDF:2441213.9/36

All: 201.879+/-0.023 χ^2/NDF: 4360771.6/68

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: 602.739+/-81.814 χ^2/NDF:482.8/15

Left: 669.146+/-57.881 χ^2/NDF: 1184.3/33

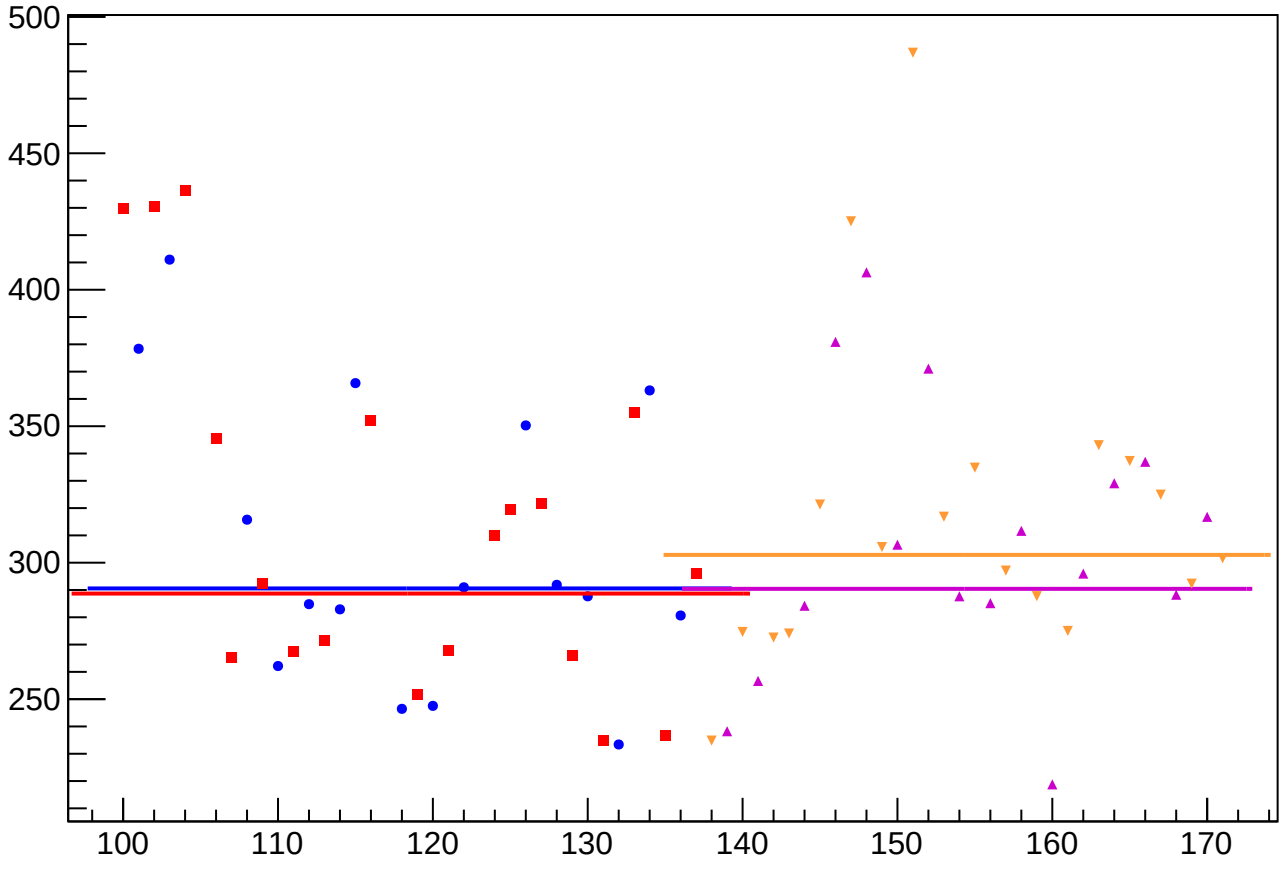
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 176.462+/-65.794 χ^2/NDF:753.2/31

Out: 84.112+/-65.314 χ^2/NDF:1171.7/36

All: 129.949+/-46.353 χ^2/NDF: 1925.9/68

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: 290.418+/-0.058 χ^2/NDF:654870.9/15

Left: 296.631+/-0.041 χ^2/NDF: 1310254.9/33

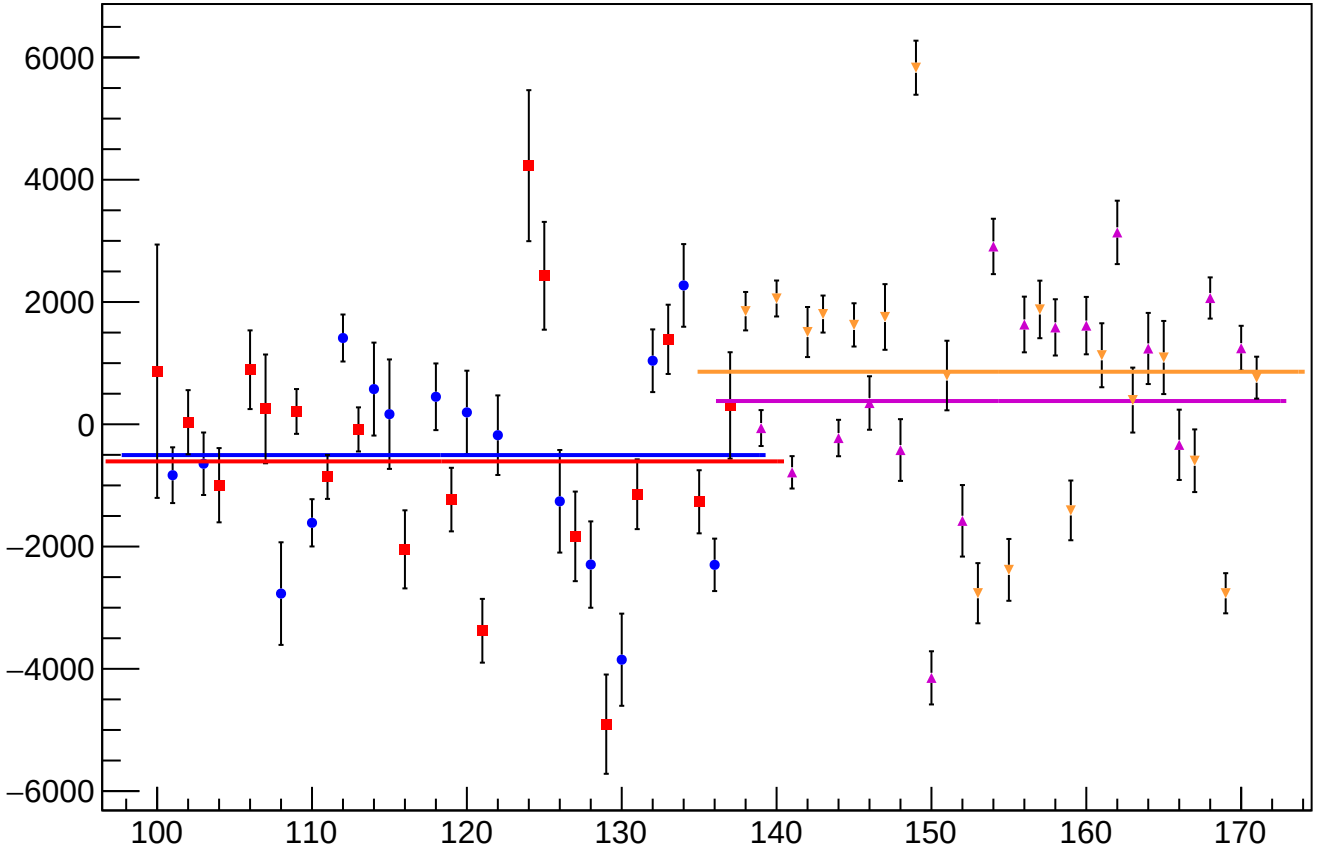
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 290.470+/-0.047 χ^2/NDF:1014680.4/31

Out: 297.699+/-0.046 χ^2/NDF:1143181.4/36

All: 294.111+/-0.033 χ^2/NDF: 2170019.7/68

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: 380.443+/-100.333 χ^2/NDF:262.9/15

Left: 628.374+/-69.697 χ^2/NDF: 699.9/33

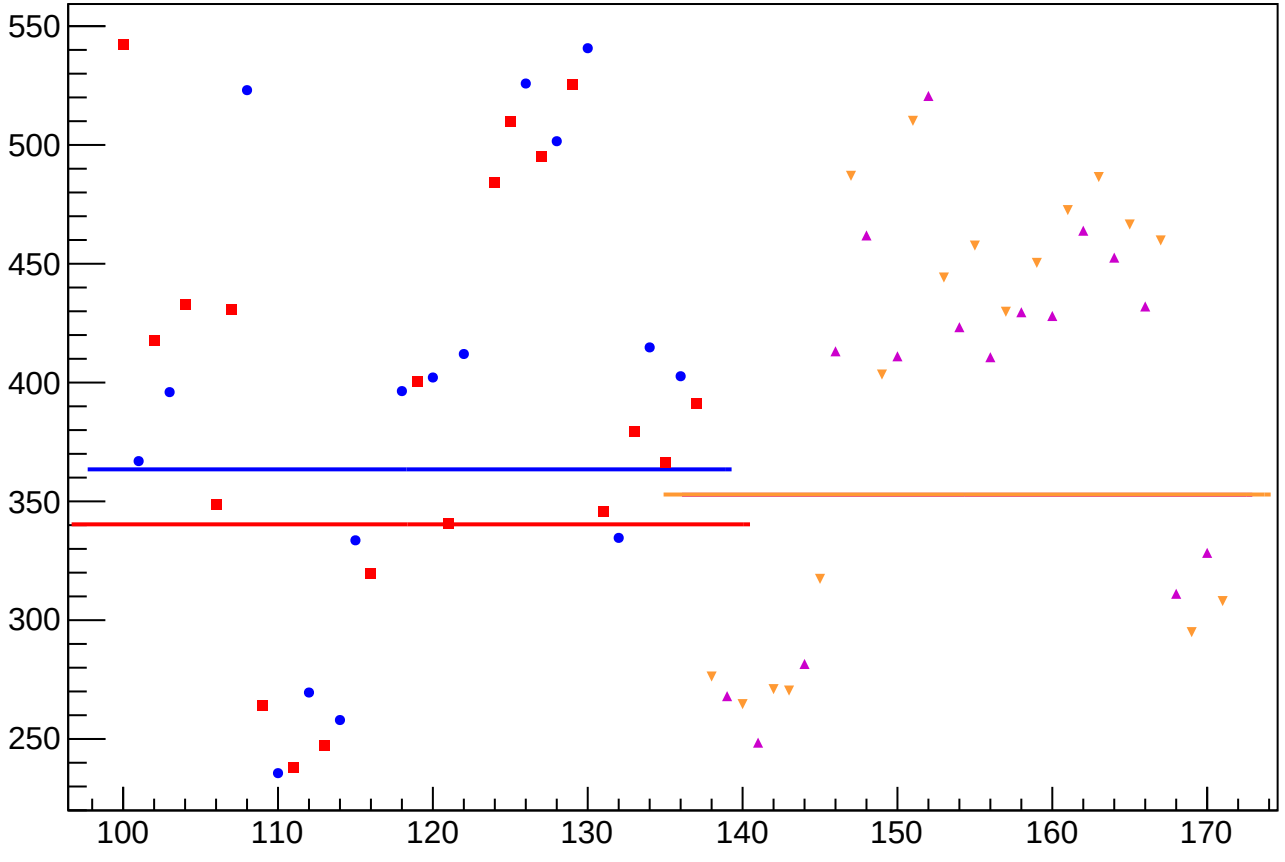
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: 80.603+/-81.564 χ^2/NDF:407.5/31

Out: 333.854+/-77.603 χ^2/NDF:632.4/36

All: 213.526+/-56.222 χ^2/NDF: 1045.0/68

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: 352.760+/-0.071 χ^2/NDF:1338673.1/15

Left: 352.824+/-0.049 χ^2/NDF: 2964168.5/33

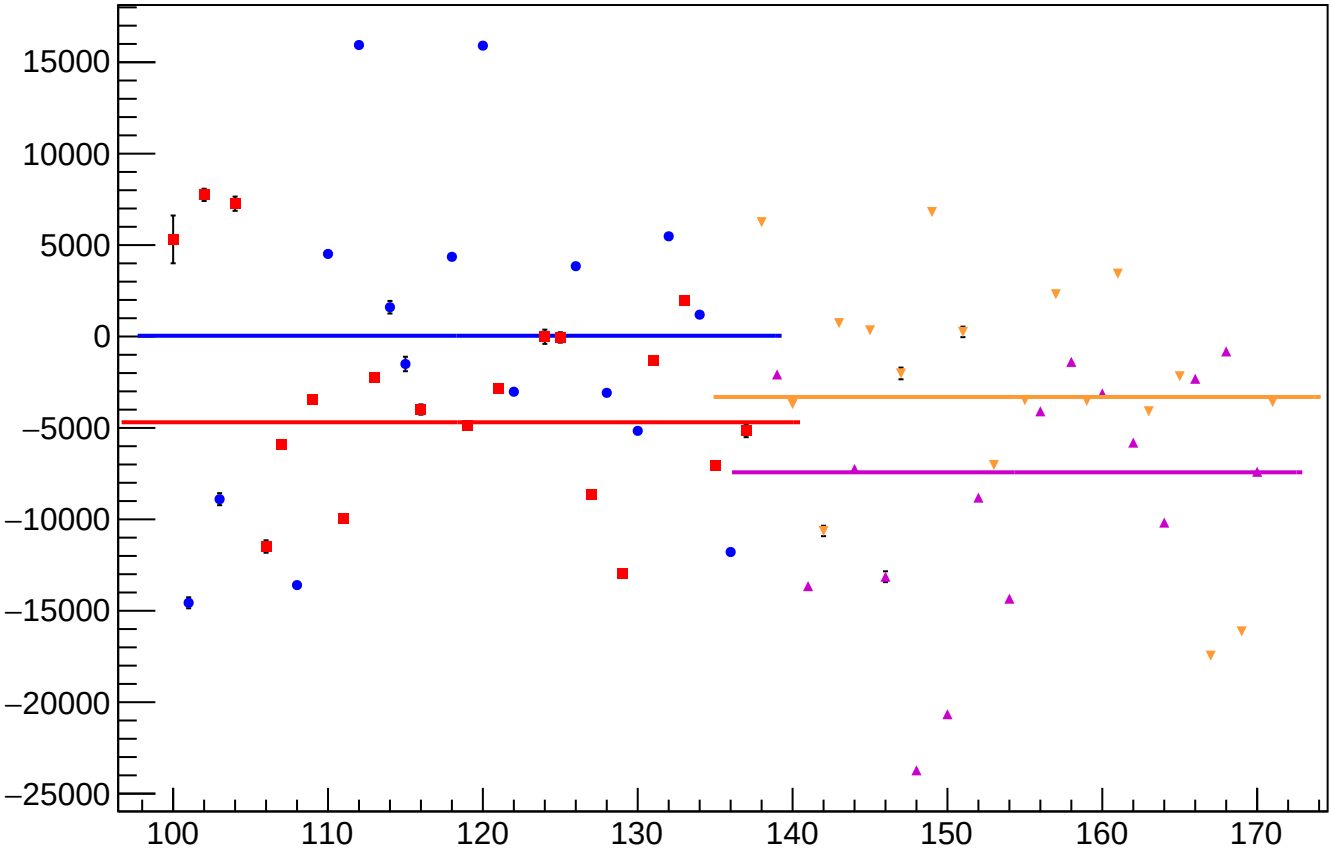
Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 356.392+/-0.058 χ^2/NDF:2127297.0/31

Out: 348.384+/-0.055 χ^2/NDF:2493755.9/36

All: 352.189+/-0.040 χ^2/NDF: 4631173.4/68

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: -7427.090+/-47.770 χ^2/NDF:16829.9/15

Left: -5266.361+/-32.946 χ^2/NDF: 40844.3/33

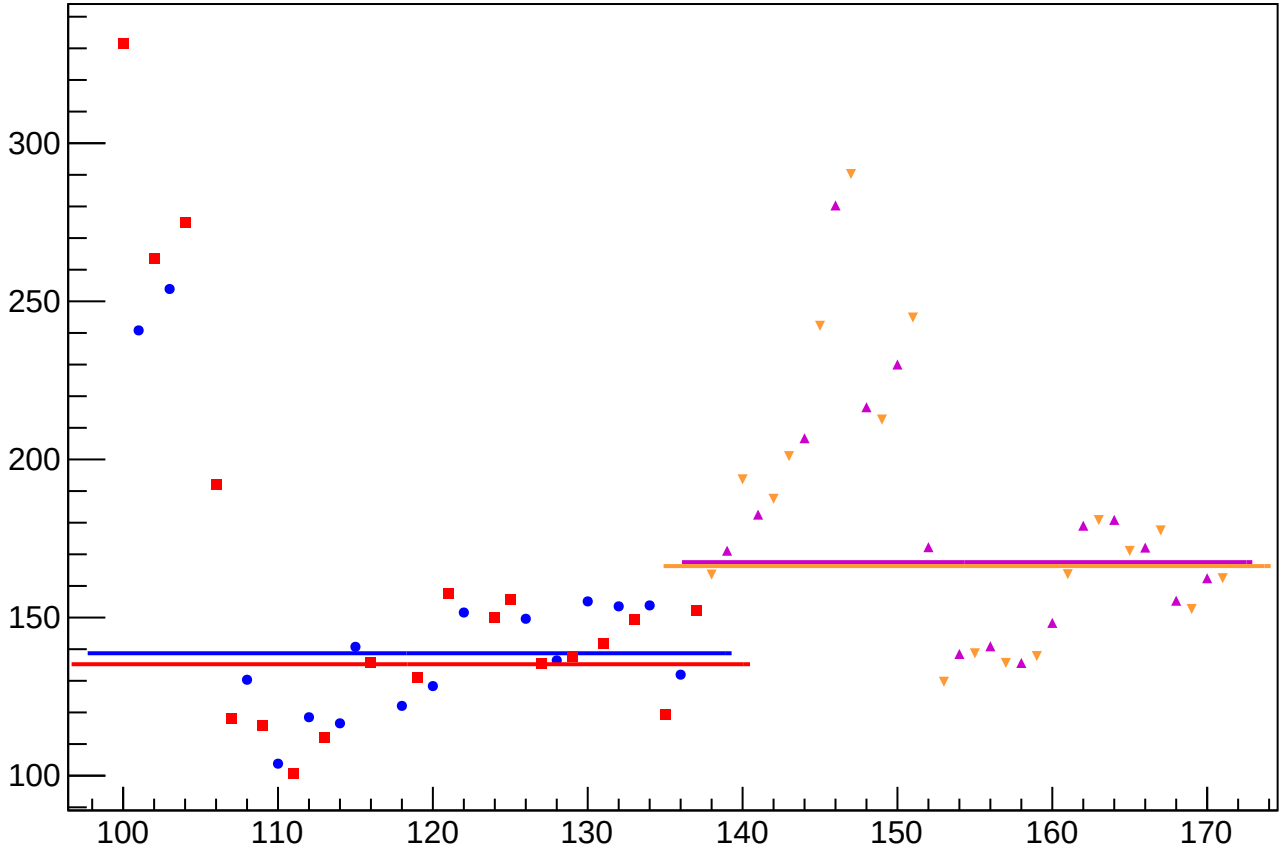
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4162.034+/-35.837 χ^2/NDF:58301.3/31

Out: -3904.872+/-34.269 χ^2/NDF:28308.3/36

All: -4027.704+/-24.768 χ^2/NDF: 86636.5/68

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: 167.522+/-0.034 χ^2/NDF:860138.1/15

Left: 166.872+/-0.023 χ^2/NDF: 2019057.6/33

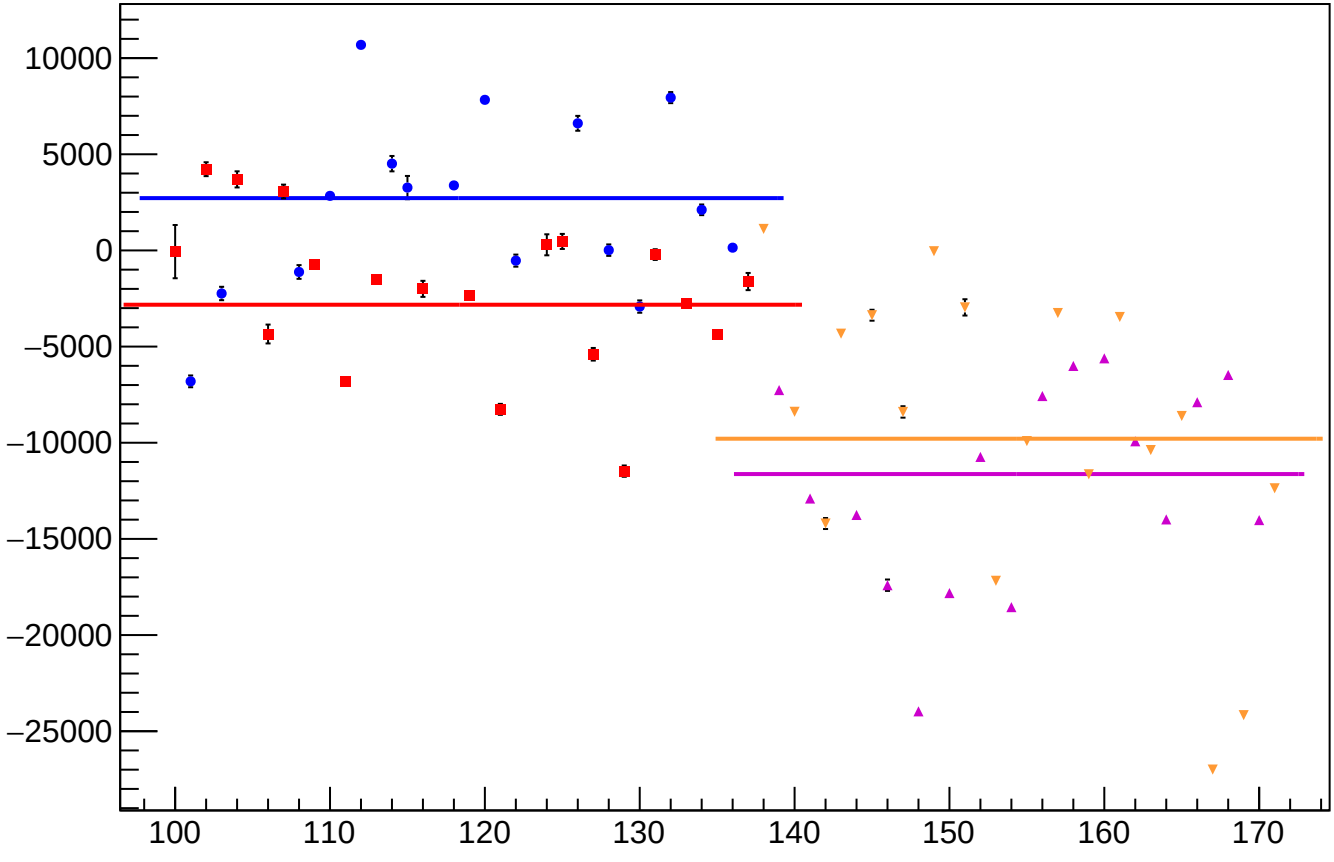
Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 154.926+/-0.025 χ^2/NDF:1835985.5/31

Out: 152.852+/-0.024 χ^2/NDF:2450956.1/36

All: 153.843+/-0.018 χ^2/NDF: 4290442.0/68

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



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: -11628.579+/-50.533 χ^2/NDF:10328.5/15

Left: -10758.536+/-36.672 χ^2/NDF: 32711.6/33

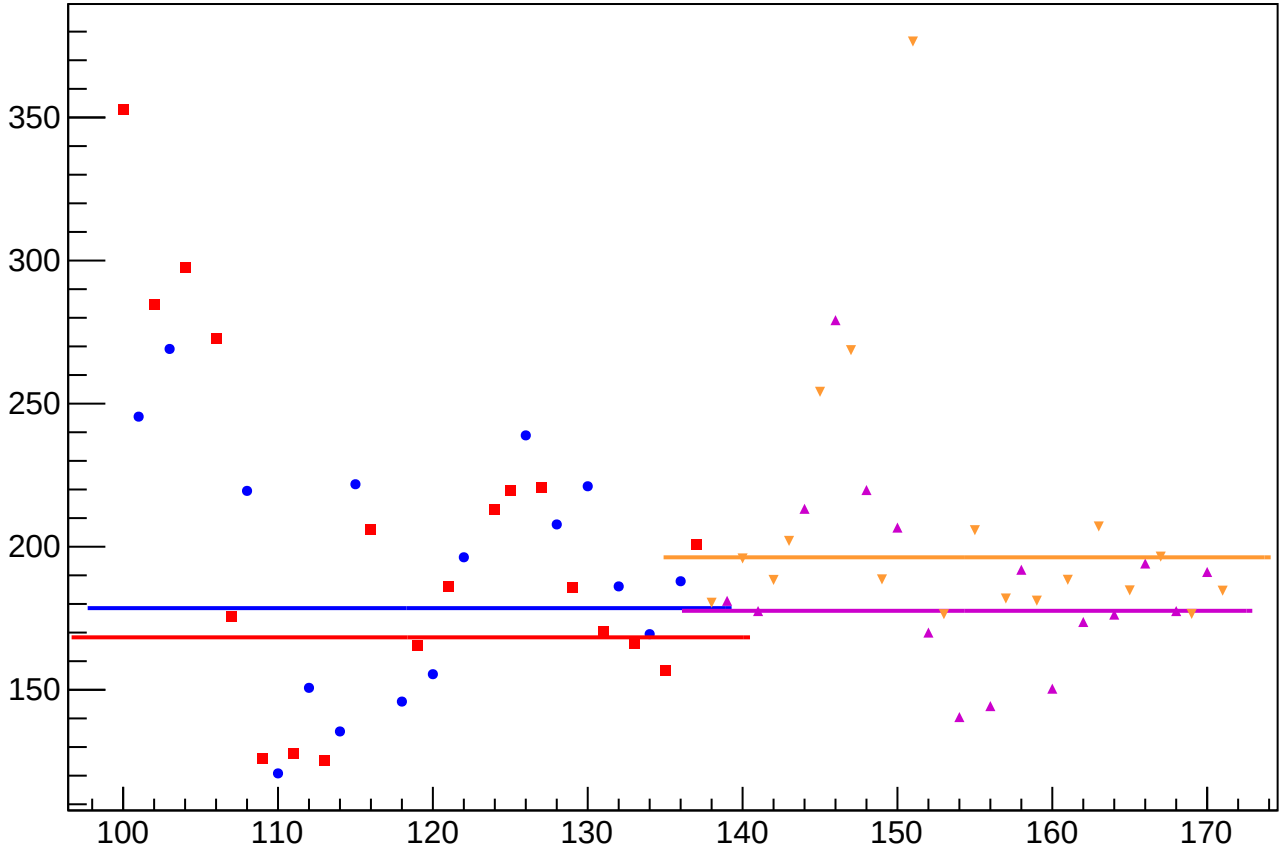
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6642.720+/-40.819 χ^2/NDF:42473.5/31

Out: -6981.573+/-41.178 χ^2/NDF:31707.5/36

All: -6810.665+/-28.990 χ^2/NDF: 74215.1/68

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: 177.604+/-0.036 χ^2/NDF:665934.4/15

Left: 186.453+/-0.026 χ^2/NDF: 1459565.3/33

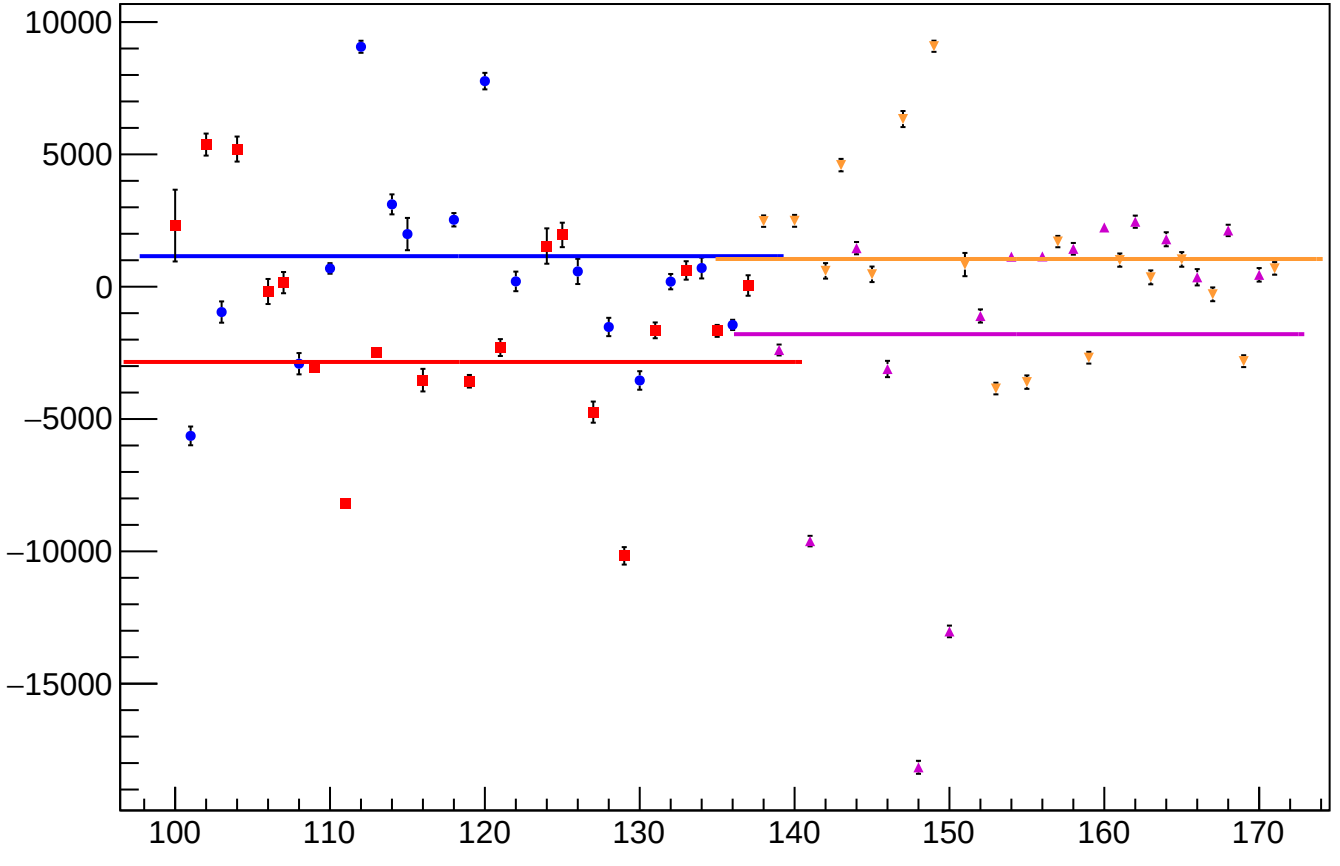
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 177.930+/-0.029 χ^2/NDF:1340739.1/31

Out: 185.024+/-0.029 χ^2/NDF:1865498.2/36

All: 181.446+/-0.020 χ^2/NDF: 3236175.5/68

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: -1793.790+/-55.032 χ^2/NDF:11082.0/15

Left: -454.162+/-40.005 χ^2/NDF: 15865.7/33

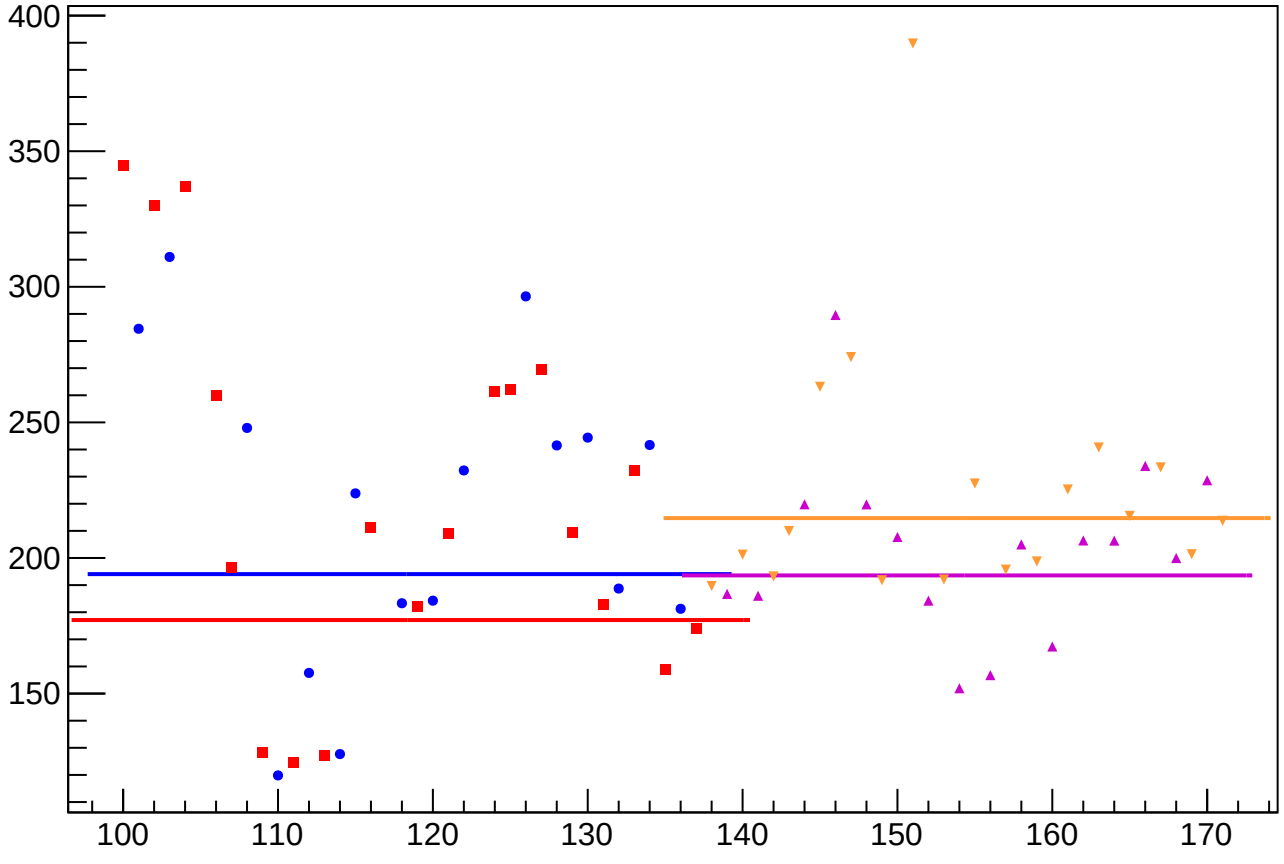
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -779.138+/-44.565 χ^2/NDF:14724.9/31

Out: -568.449+/-44.551 χ^2/NDF:7832.4/36

All: -673.761+/-31.507 χ^2/NDF: 22568.5/68

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: 193.571+/-0.039 χ^2/NDF:603152.3/15

Left: 203.540+/-0.028 χ^2/NDF: 1352340.9/33

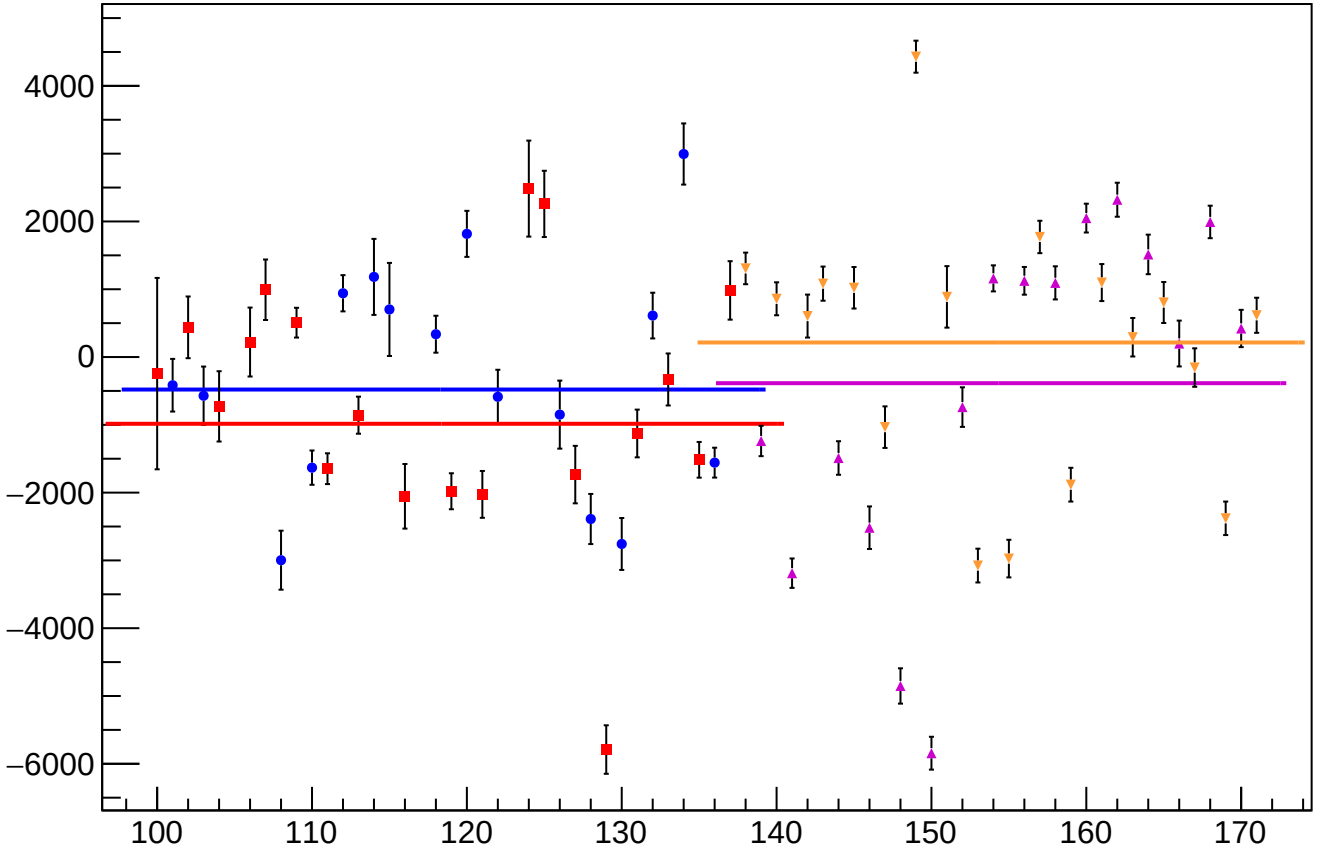
Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 193.737+/-0.032 χ^2/NDF:1568991.3/31

Out: 199.102+/-0.032 χ^2/NDF:2315205.2/36

All: 196.420+/-0.022 χ^2/NDF: 3898694.4/68

asym_bpm0i07WS_mean vs Slug, Sign Corrected



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: -385.709+/-61.066 χ^2/NDF:1606.4/15

Left: -97.004+/-44.001 χ^2/NDF: 2588.2/33

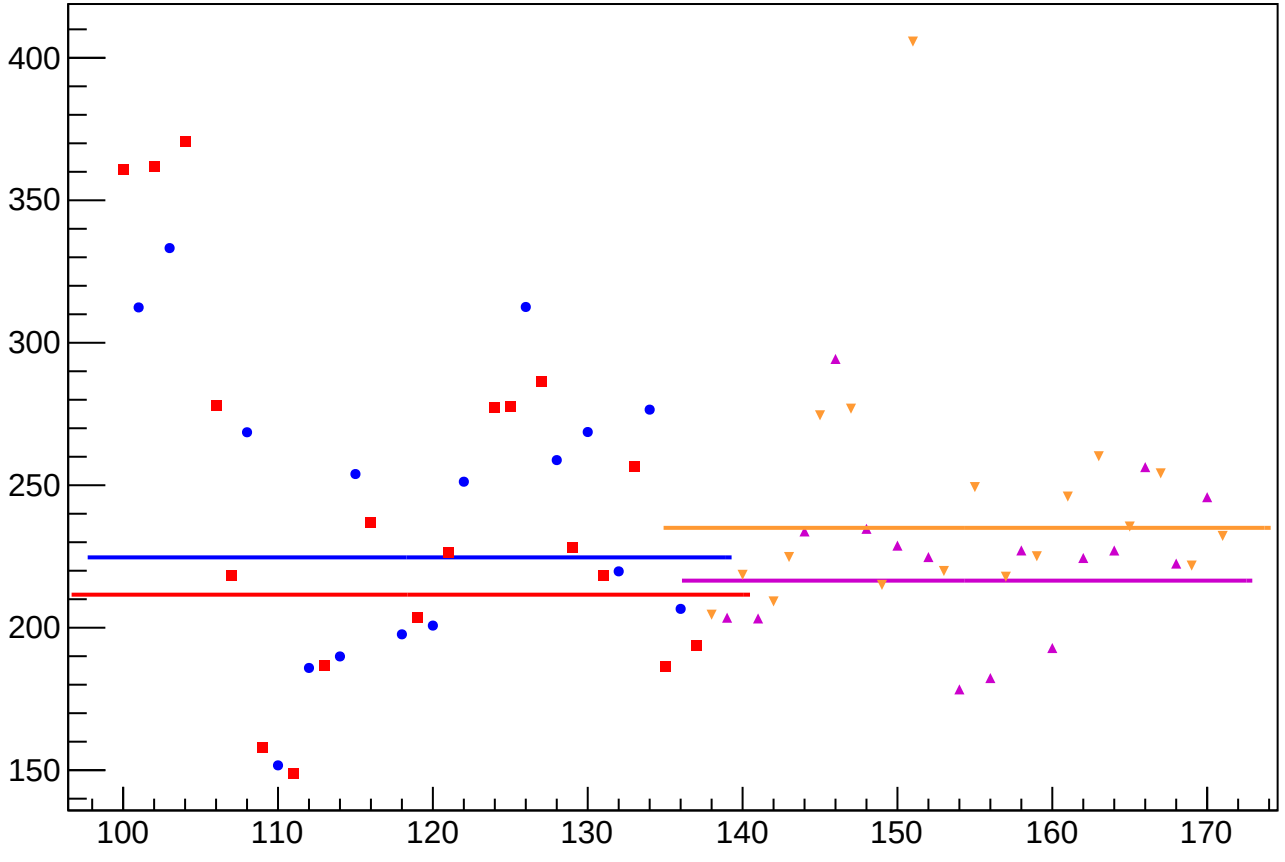
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -416.751+/-49.922 χ^2/NDF:1912.6/31

Out: -241.732+/-49.940 χ^2/NDF:1469.4/36

All: -329.272+/-35.307 χ^2/NDF: 3388.1/68

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: 216.522+/-0.043 χ^2/NDF:383131.0/15

Left: 225.430+/-0.031 χ^2/NDF: 959528.7/33

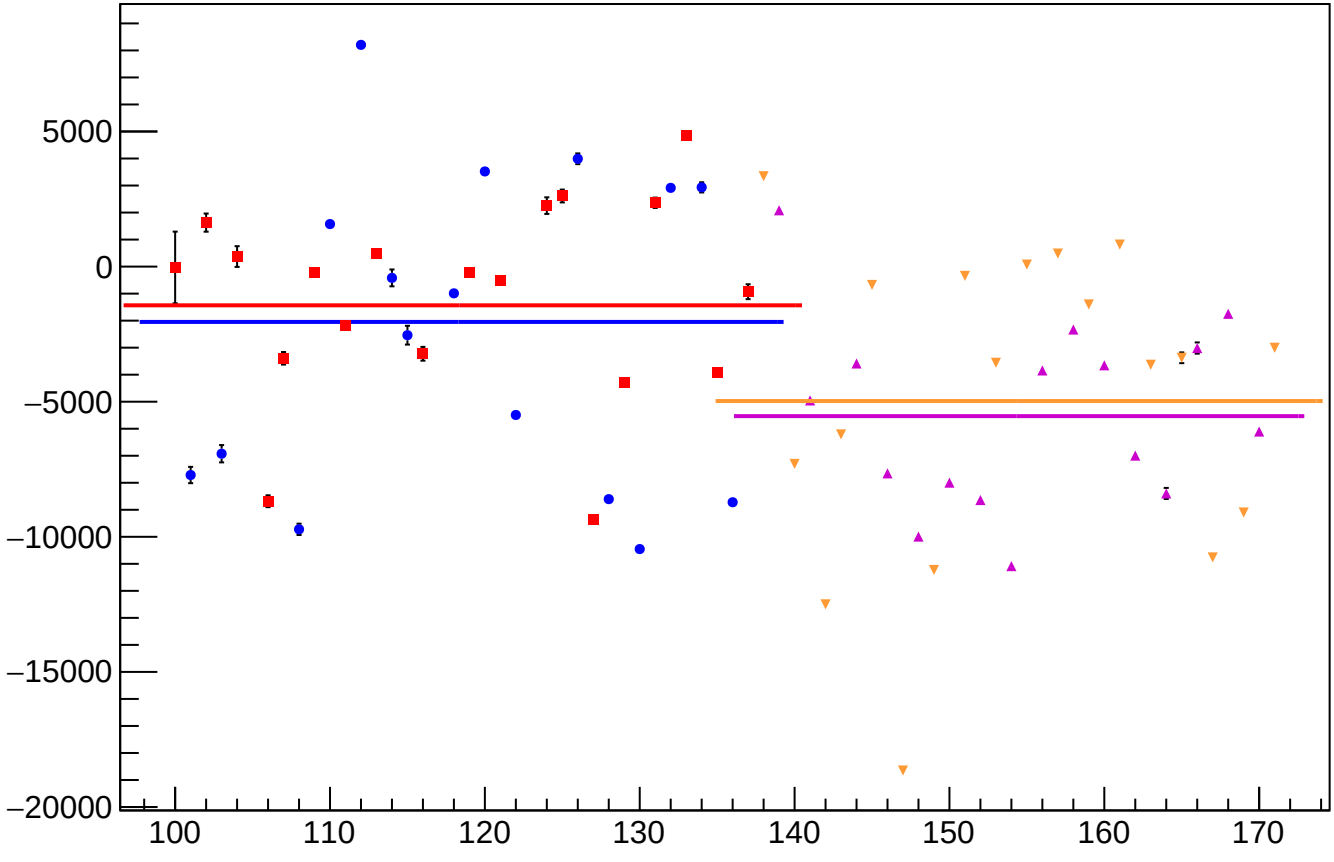
Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 219.229+/-0.035 χ^2/NDF:1048169.8/31

Out: 226.121+/-0.035 χ^2/NDF:1524787.8/36

All: 222.674+/-0.025 χ^2/NDF: 2592010.3/68

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: -5534.128+/-34.707 χ^2/NDF:10238.4/15

Left: -5243.121+/-24.026 χ^2/NDF: 42011.6/33

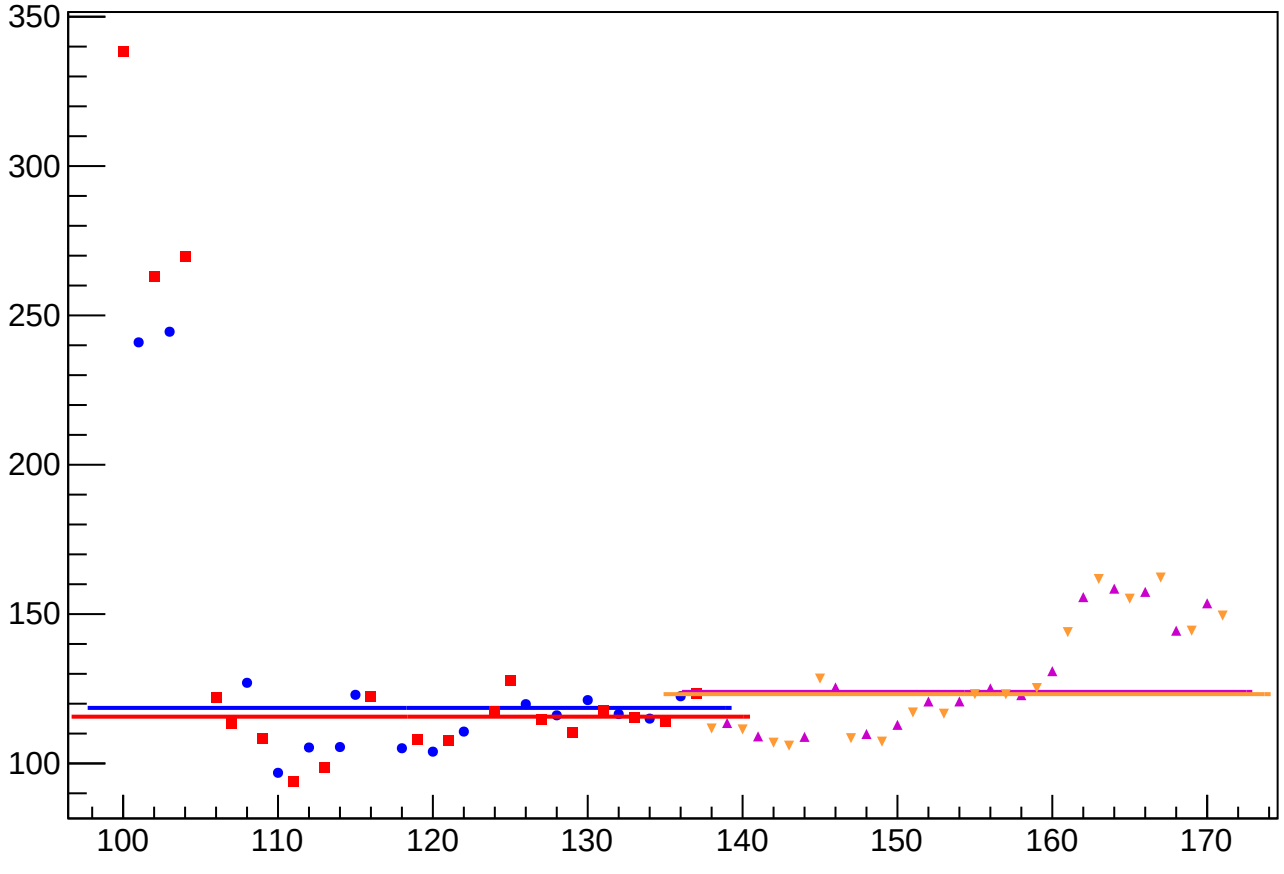
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -4294.201+/-27.861 χ^2/NDF:30536.6/31

Out: -3712.436+/-26.707 χ^2/NDF:42062.2/36

All: -3991.018+/-19.280 χ^2/NDF: 72826.0/68

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: 123.954+/-0.025 χ^2/NDF:399765.1/15

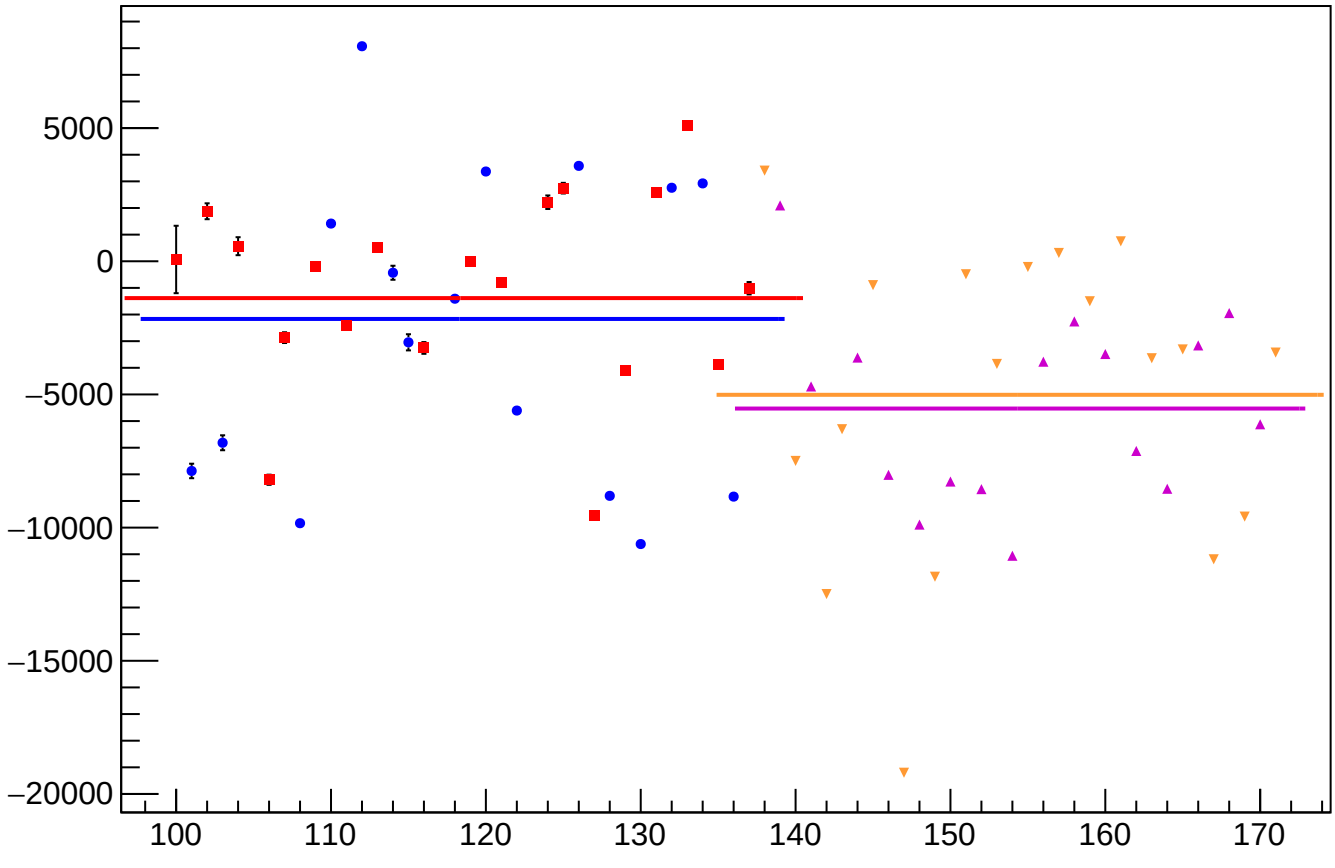
Left: 123.562+/-0.017 χ^2/NDF: 930992.7/33

Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 122.049+/-0.020 χ^2/NDF:1150876.9/31

Out: 120.512+/-0.019 χ^2/NDF:1431527.4/36

All: 121.248+/-0.014 χ^2/NDF: 2585574.3/68



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: -5529.568+/-31.592 χ^2/NDF:12553.0/15

Left: -5258.470+/-21.758 χ^2/NDF: 51488.7/33

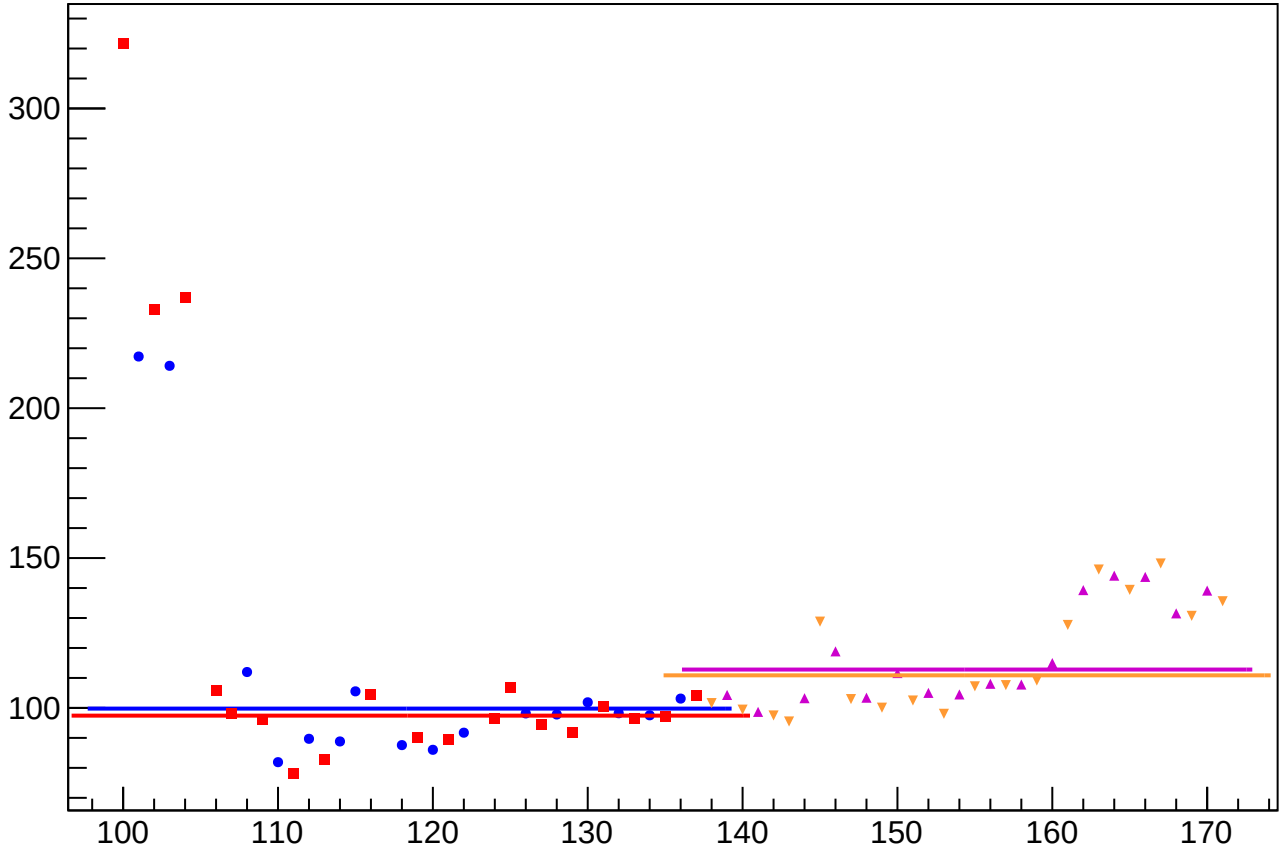
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -4222.656+/-24.704 χ^2/NDF:39832.5/31

Out: -3618.058+/-23.546 χ^2/NDF:53570.8/36

All: -3905.859+/-17.044 χ^2/NDF: 93717.2/68

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: 112.801+/-0.022 χ^2/NDF:366093.8/15

Left: 111.787+/-0.015 χ^2/NDF: 929432.0/33

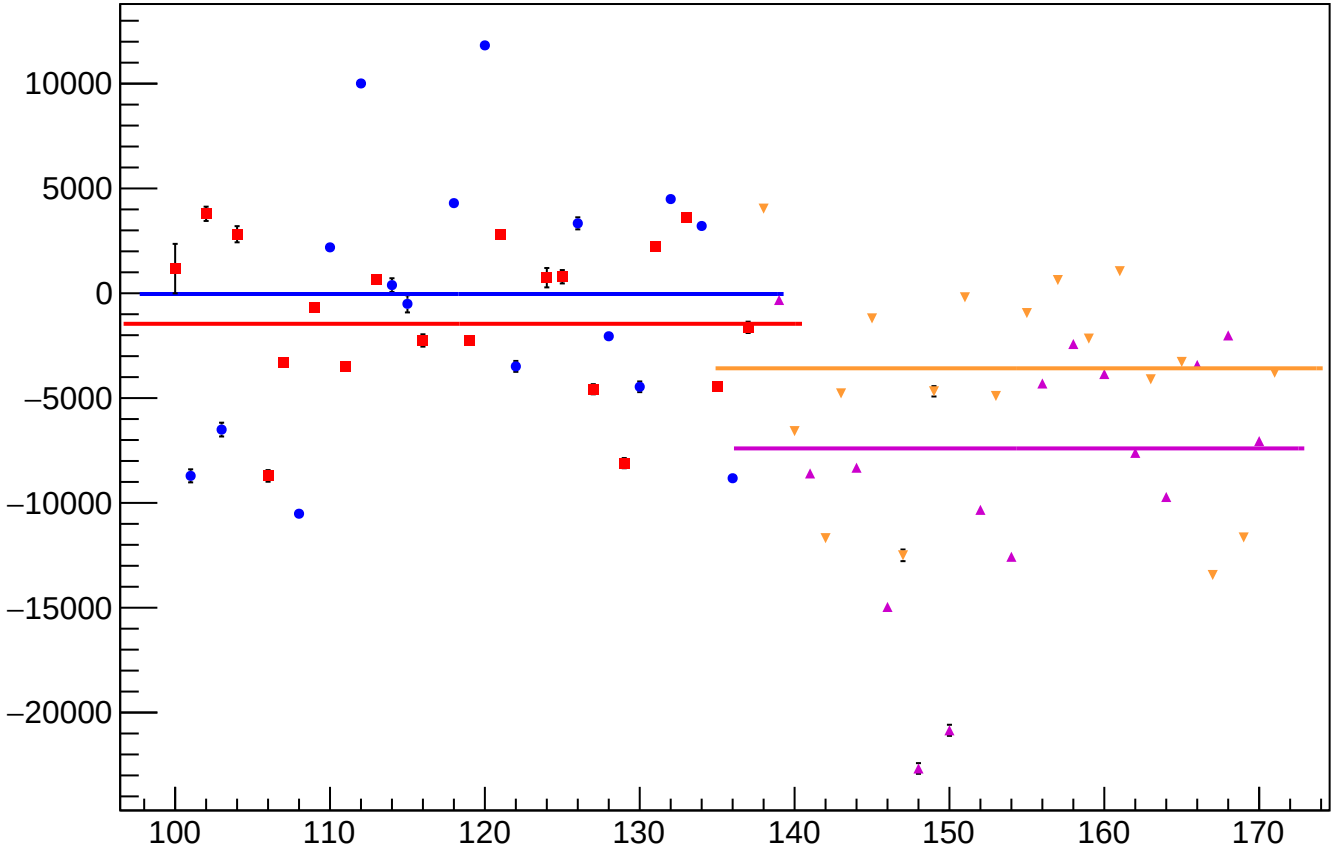
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 107.740+/-0.017 χ^2/NDF:1307367.8/31

Out: 105.704+/-0.017 χ^2/NDF:1639788.4/36

All: 106.673+/-0.012 χ^2/NDF: 2954274.2/68

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: -7401.023+/-44.812 χ^2/NDF:14339.3/15

Left: -5371.345+/-30.685 χ^2/NDF: 30175.7/33

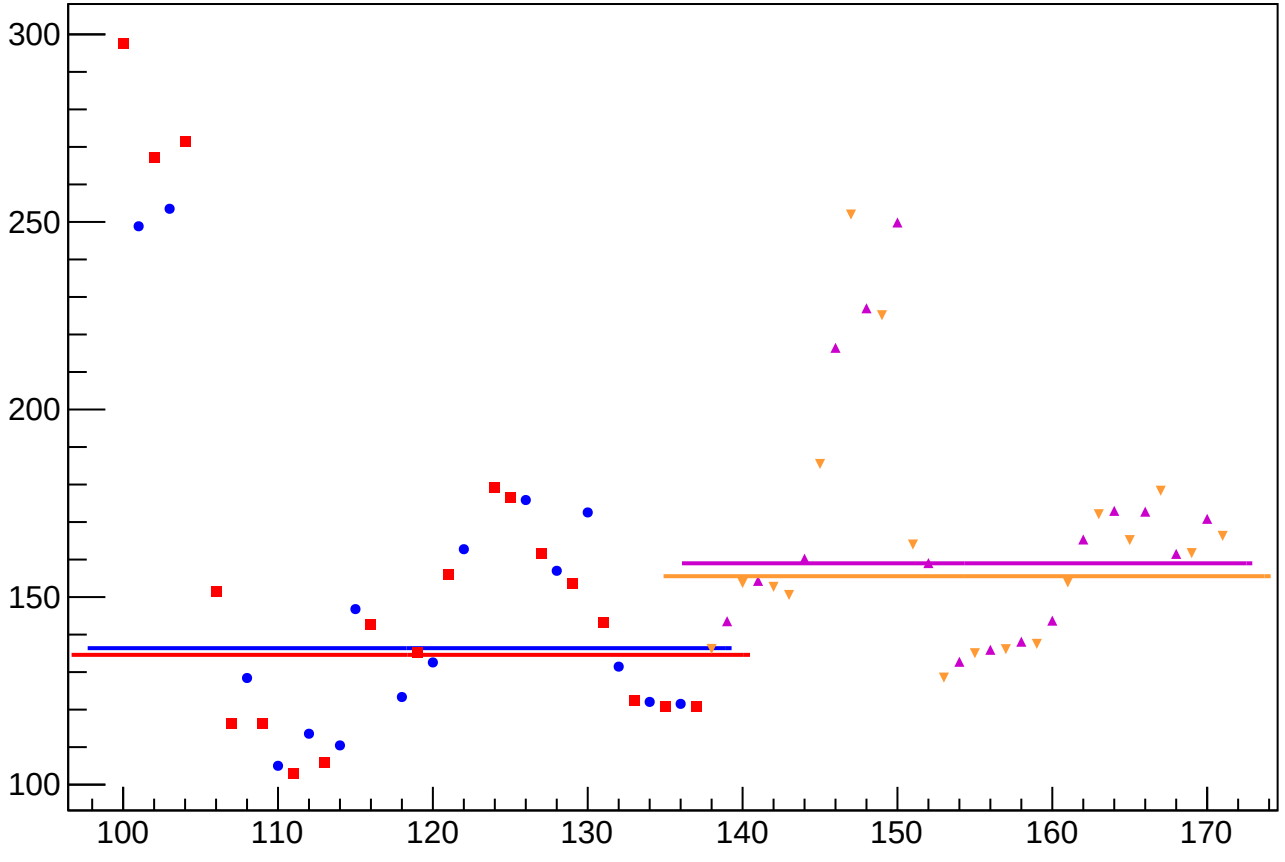
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4361.434+/-34.344 χ^2/NDF:42292.1/31

Out: -2737.863+/-32.709 χ^2/NDF:17098.9/36

All: -3510.079+/-23.686 χ^2/NDF: 60562.9/68

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: 159.003+/-0.032 χ^2/NDF:723587.6/15

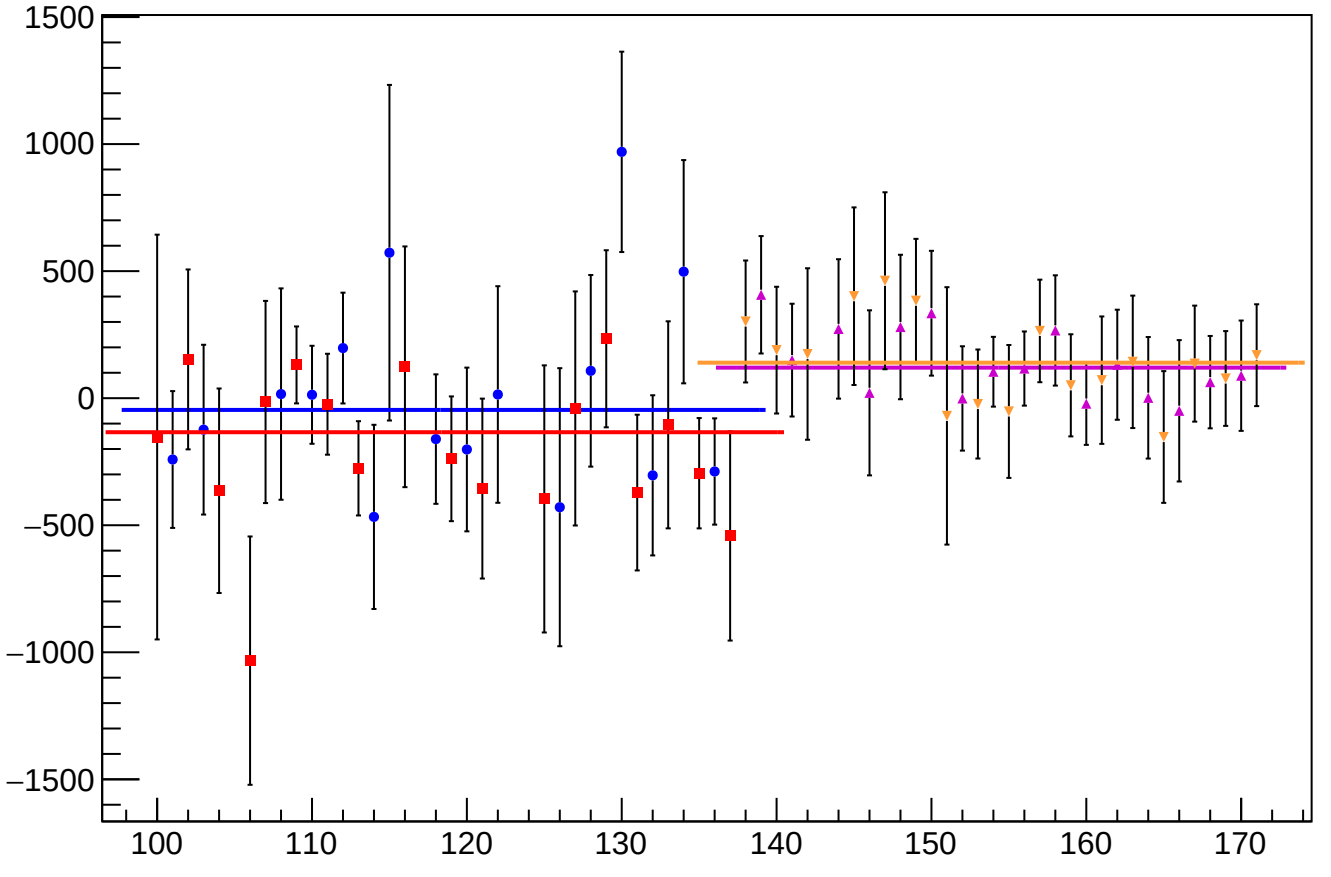
Left: 157.176+/-0.022 χ^2/NDF: 1436079.4/33

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 149.669+/-0.024 χ^2/NDF:1730700.9/31

Out: 147.251+/-0.023 χ^2/NDF:1822466.5/36

All: 148.401+/-0.017 χ^2/NDF: 3558364.7/68



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: 120.184+/-51.512 χ^2/NDF:5.4/15

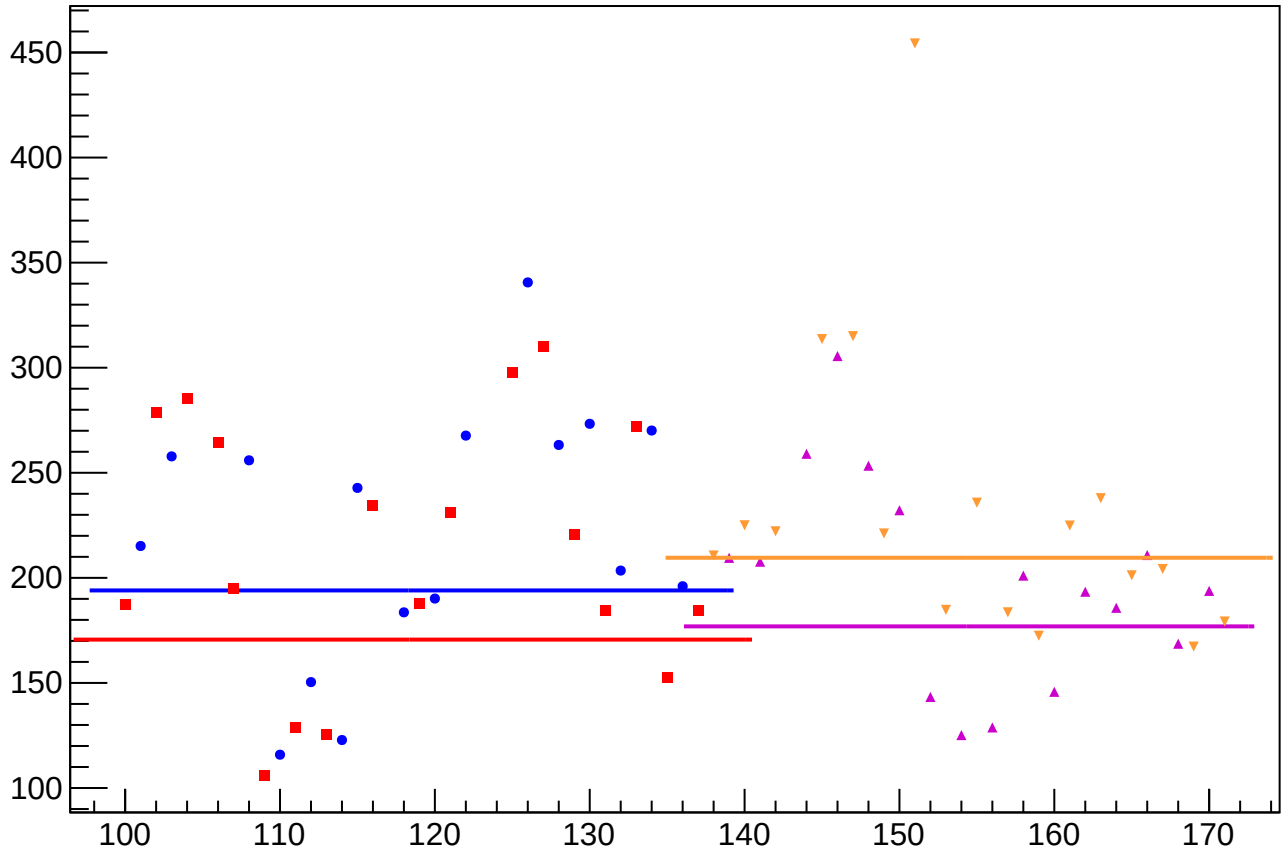
Left: 128.581+/-38.916 χ^2/NDF: 11.7/32

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 68.075+/-42.690 χ^2/NDF:24.1/31

Out: 22.126+/-44.851 χ^2/NDF:28.2/34

All: 46.234+/-30.922 χ^2/NDF: 52.9/66



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: 176.909+/-0.036 χ^2/NDF:1530201.8/15

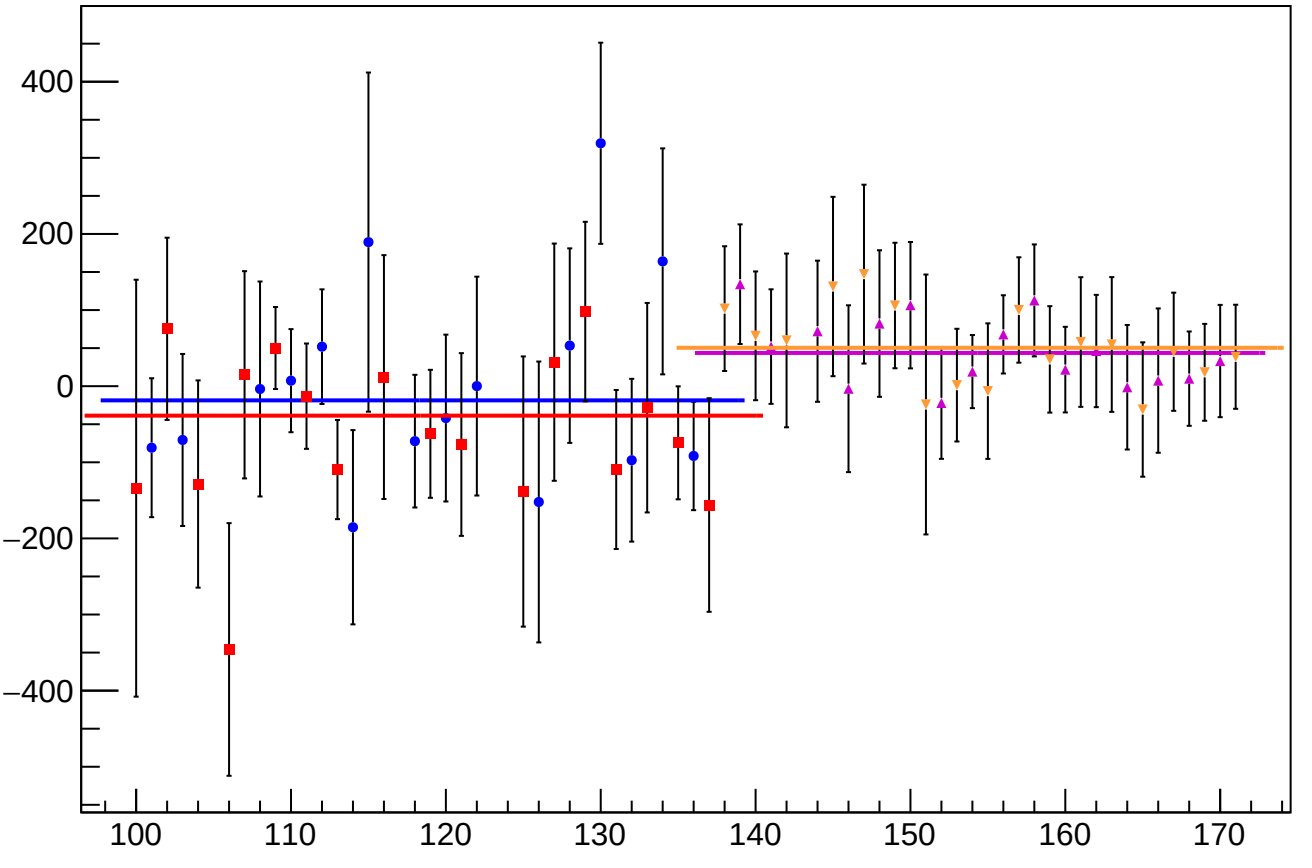
Left: 190.929+/-0.028 χ^2/NDF: 3048872.5/32

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 182.267+/-0.030 χ^2/NDF:2642878.0/31

Out: 192.830+/-0.032 χ^2/NDF:3136851.2/34

All: 187.288+/-0.022 χ^2/NDF: 5837926.9/66



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: 43.668+/-17.739 χ^2/NDF:5.4/15

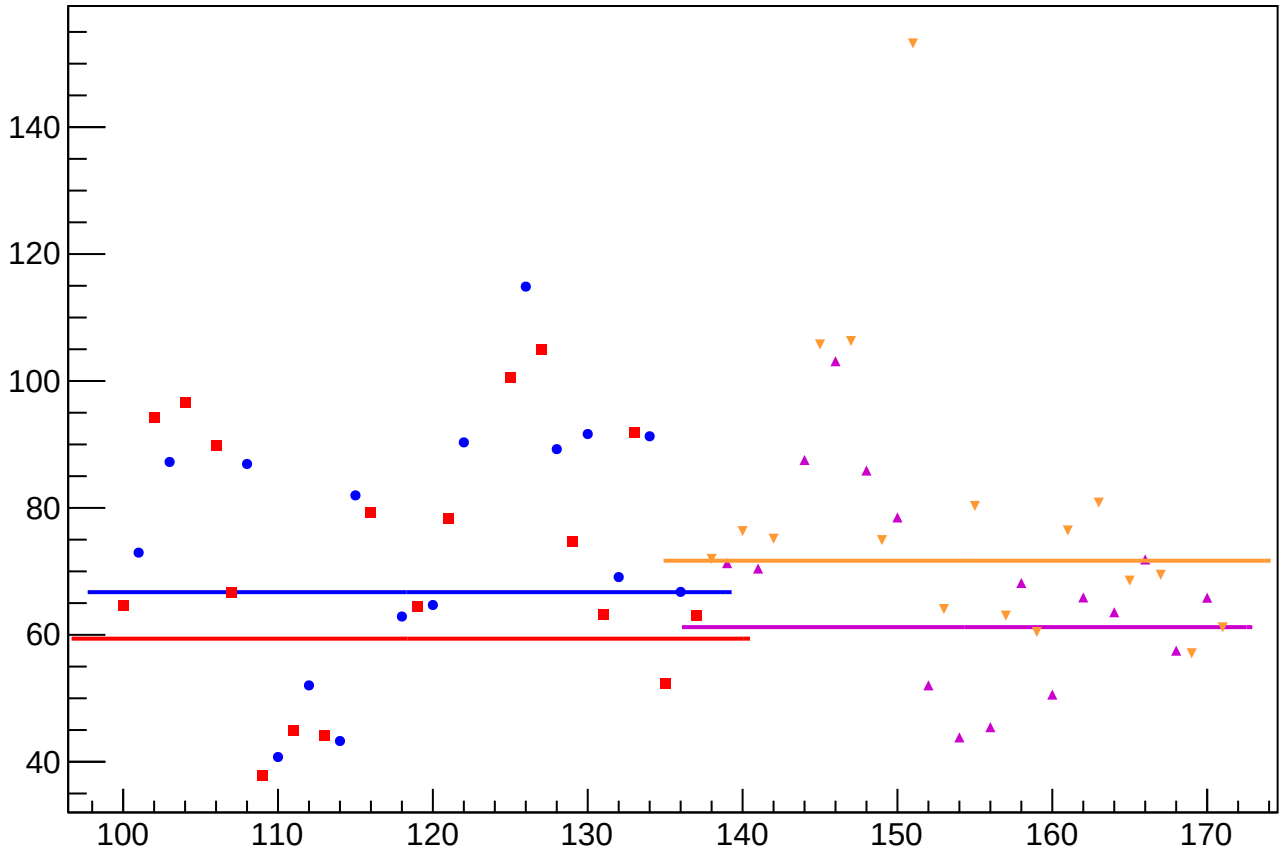
Left: 46.601+/-13.350 χ^2/NDF: 10.3/32

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 24.001+/-14.675 χ^2/NDF:24.5/31

Out: 12.678+/-15.392 χ^2/NDF:25.6/34

All: 18.609+/-10.621 χ^2/NDF: 50.4/66



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: 61.216+/-0.013 χ^2/NDF:1355125.6/15

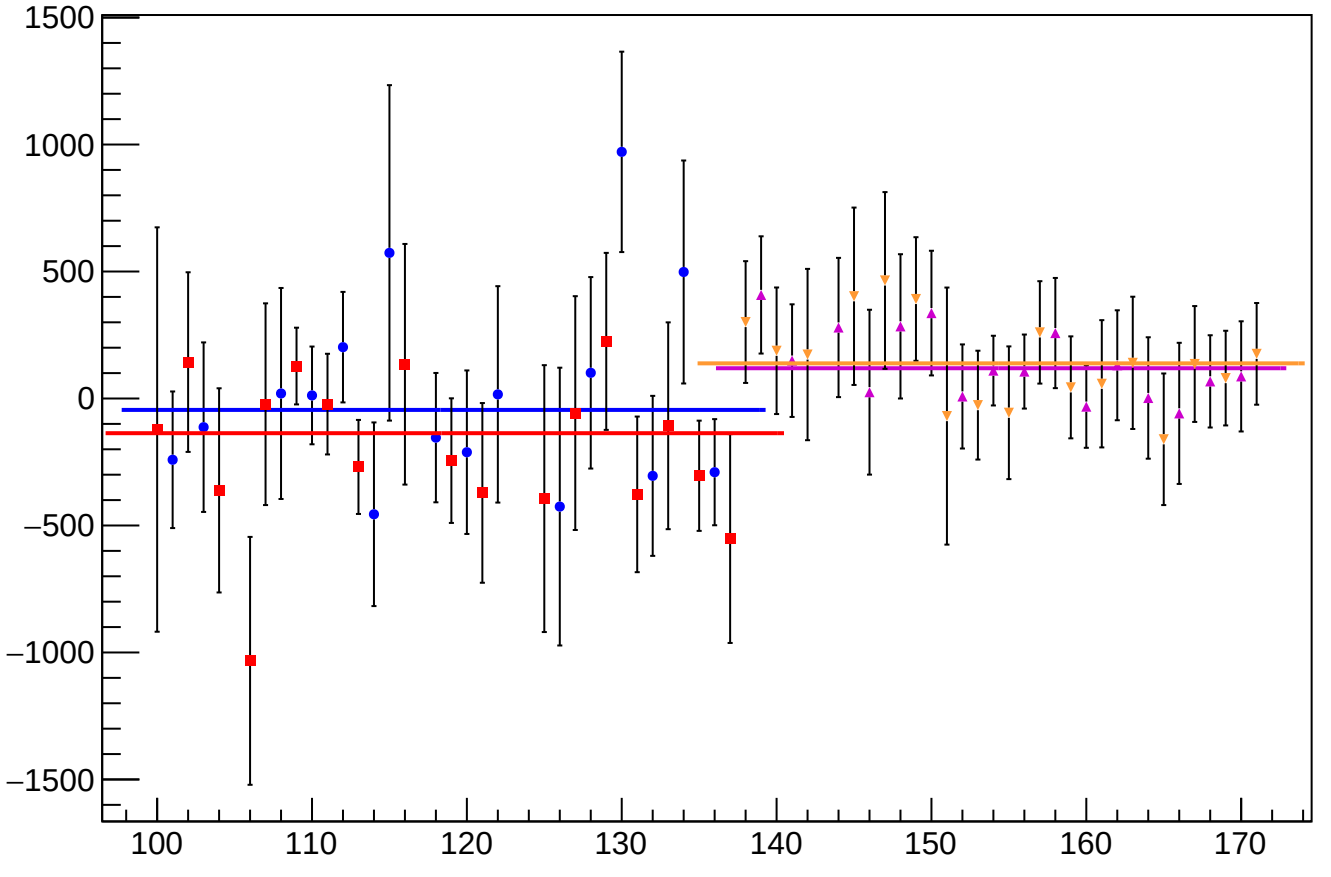
Left: 65.754+/-0.009 χ^2/NDF: 2771413.7/32

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 62.954+/-0.010 χ^2/NDF:2363033.5/31

Out: 66.479+/-0.011 χ^2/NDF:2870636.6/34

All: 64.633+/-0.008 χ^2/NDF: 5288623.2/66



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: 119.157+/-51.468 χ^2/NDF:5.5/15

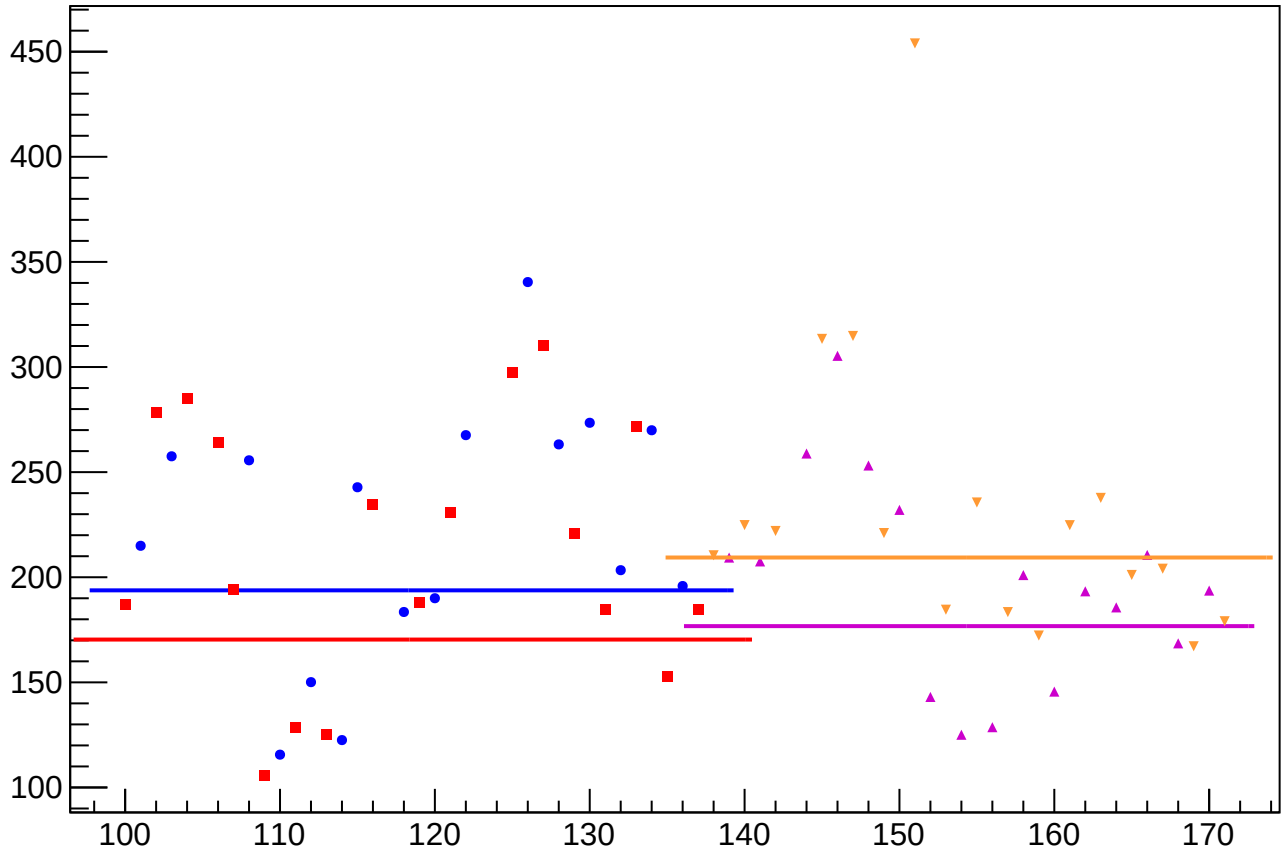
Left: 127.408+/-38.883 χ^2/NDF: 12.0/32

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 67.753+/-42.650 χ^2/NDF:24.1/31

Out: 20.135+/-44.804 χ^2/NDF:28.6/34

All: 45.116+/-30.892 χ^2/NDF: 53.3/66



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: 176.748+/-0.036 χ^2/NDF:1532252.3/15

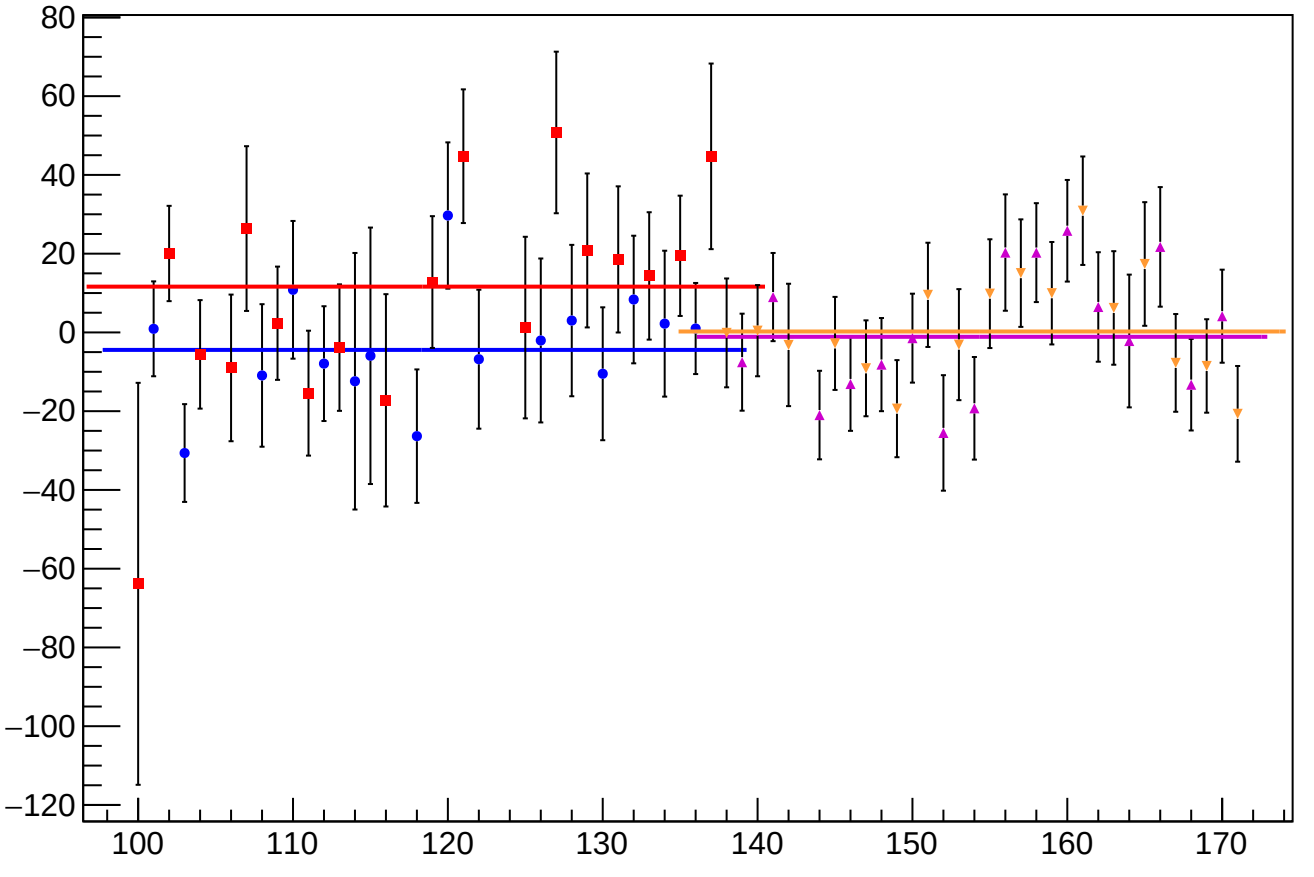
Left: 190.759+/-0.027 χ^2/NDF: 3051798.7/32

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 182.080+/-0.030 χ^2/NDF:2648869.9/31

Out: 192.604+/-0.032 χ^2/NDF:3145288.2/34

All: 187.083+/-0.022 χ^2/NDF: 5852043.1/66



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: -1.116+/-3.169 χ^2/NDF:23.5/15

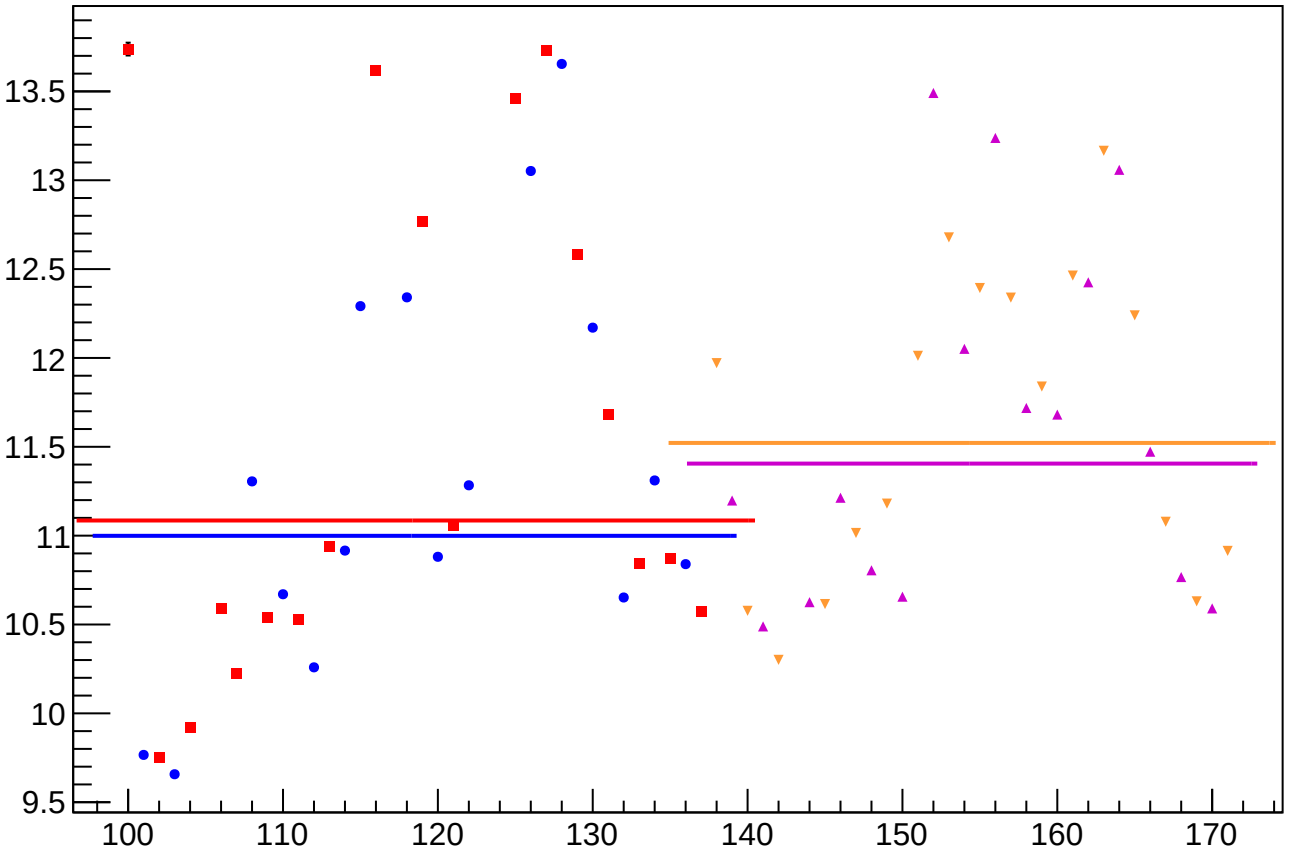
Left: -0.441+/-2.244 χ^2/NDF: 39.8/32

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -2.347+/-2.514 χ^2/NDF:35.9/31

Out: 4.462+/-2.520 χ^2/NDF:42.7/34

All: 1.050+/-1.780 χ^2/NDF: 82.2/66



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:161913.1/15

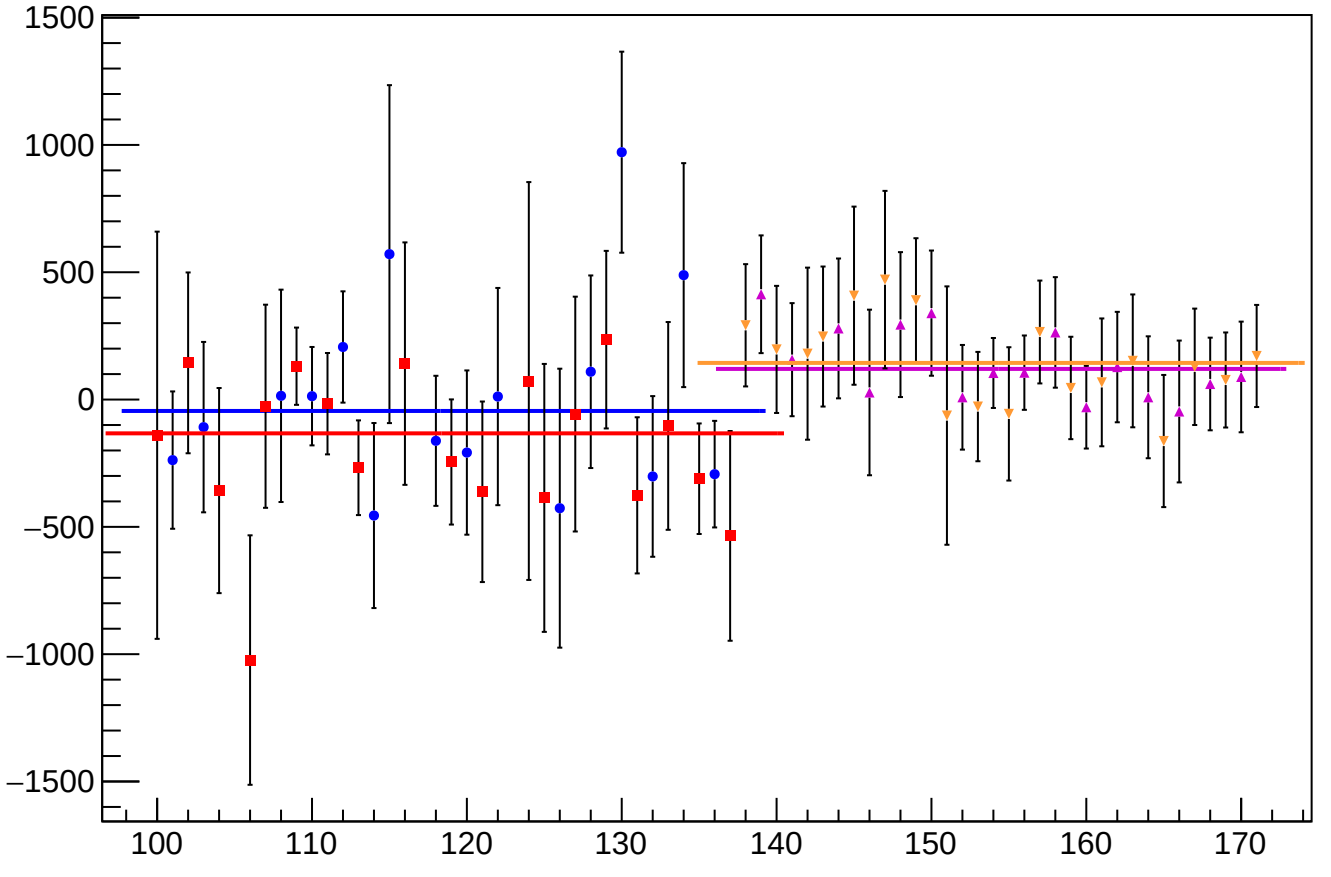
Left: 11.464+/-0.002 χ^2/NDF: 298729.1/32

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.255+/-0.002 χ^2/NDF:310261.3/31

Out: 11.360+/-0.002 χ^2/NDF:311684.5/34

All: 11.307+/-0.001 χ^2/NDF: 623685.0/66



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: 120.309+/-51.552 χ^2/NDF:5.5/15

Left: 130.707+/-38.564 χ^2/NDF: 12.3/33

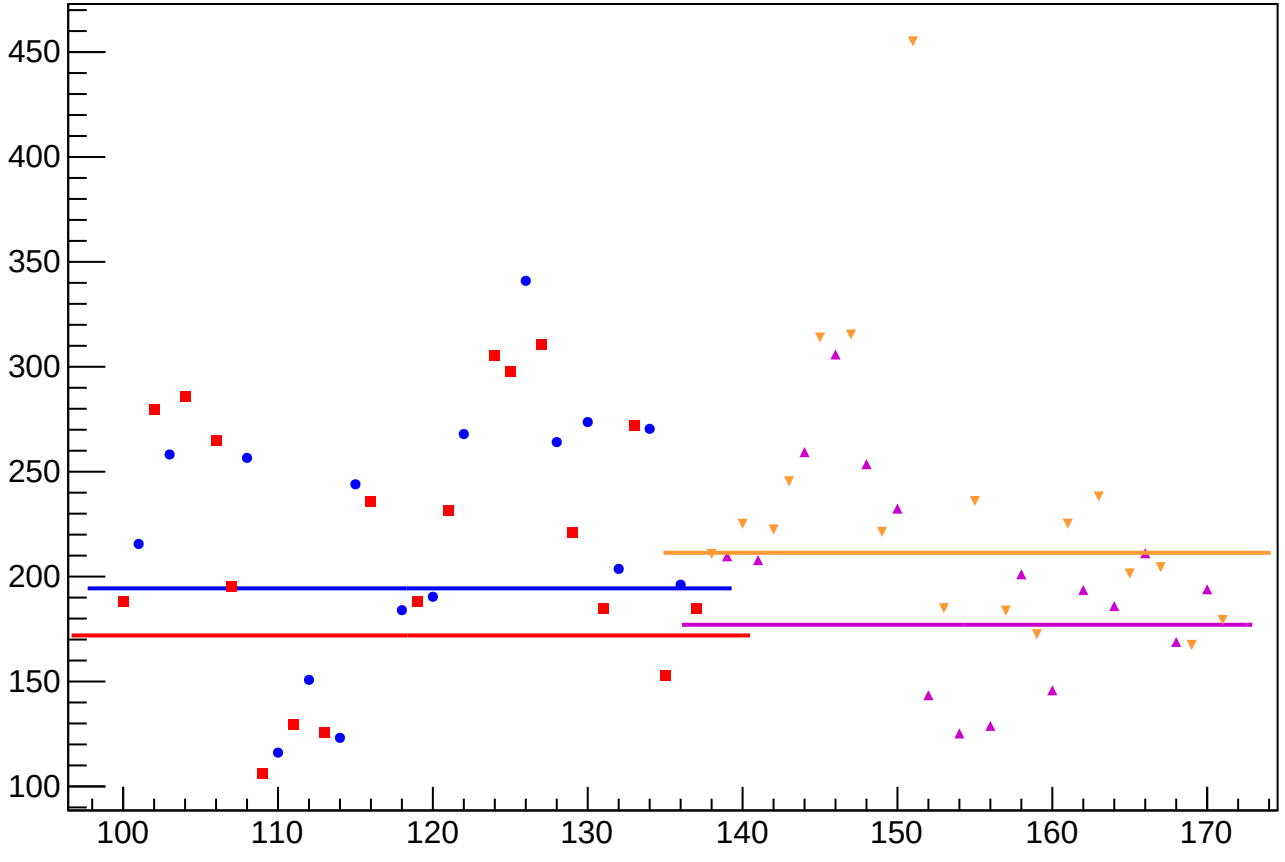
Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 68.676+/-42.738 χ^2/NDF:24.2/31

Out: 27.693+/-44.250 χ^2/NDF:29.1/36

All: 48.897+/-30.741 χ^2/NDF: 53.7/68

asym_bcm_an_us_an_ds3_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: 177.033+/-0.036 χ^2/NDF:1532637.7/15

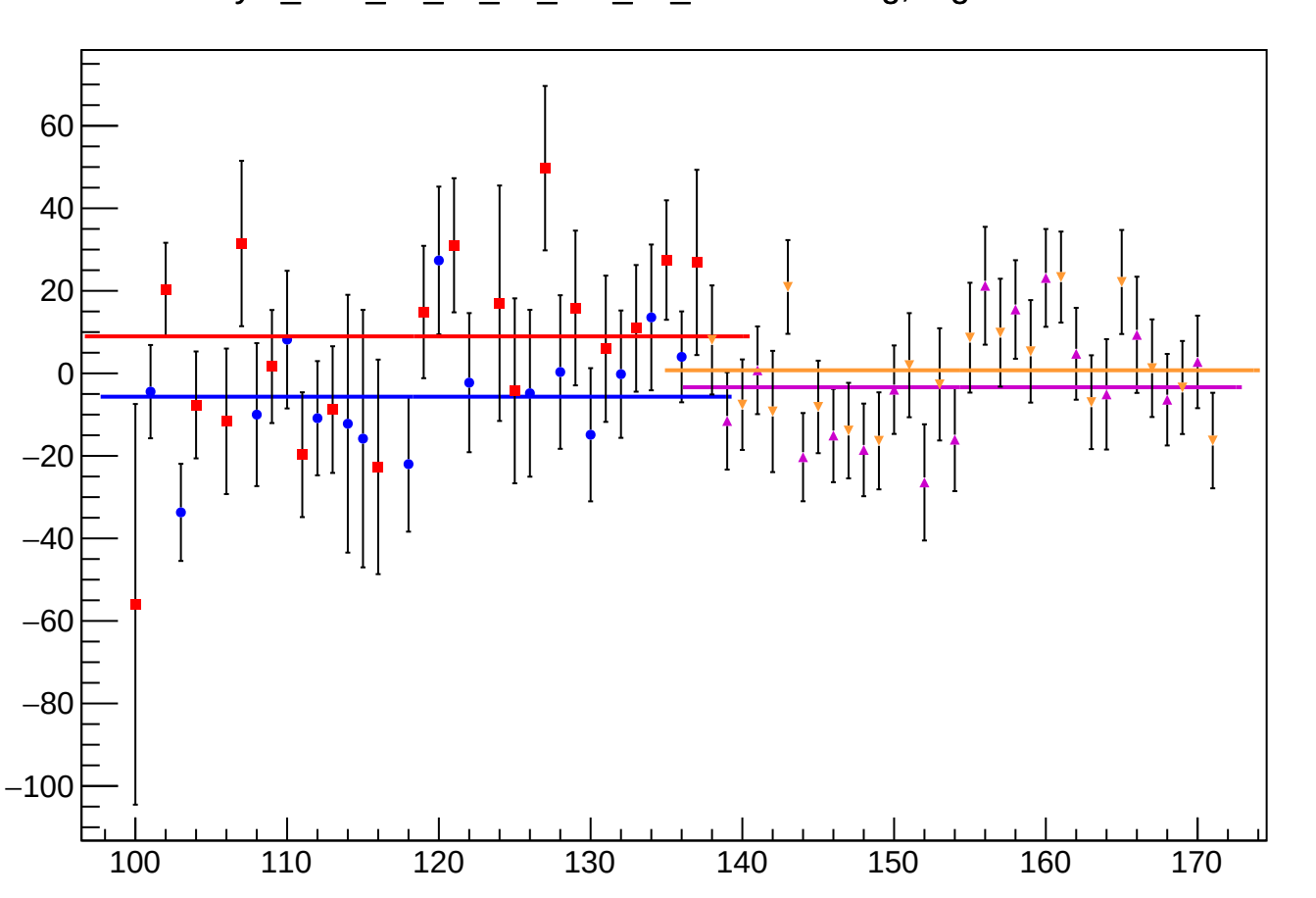
Left: 192.146+/-0.027 χ^2/NDF: 3130443.1/33

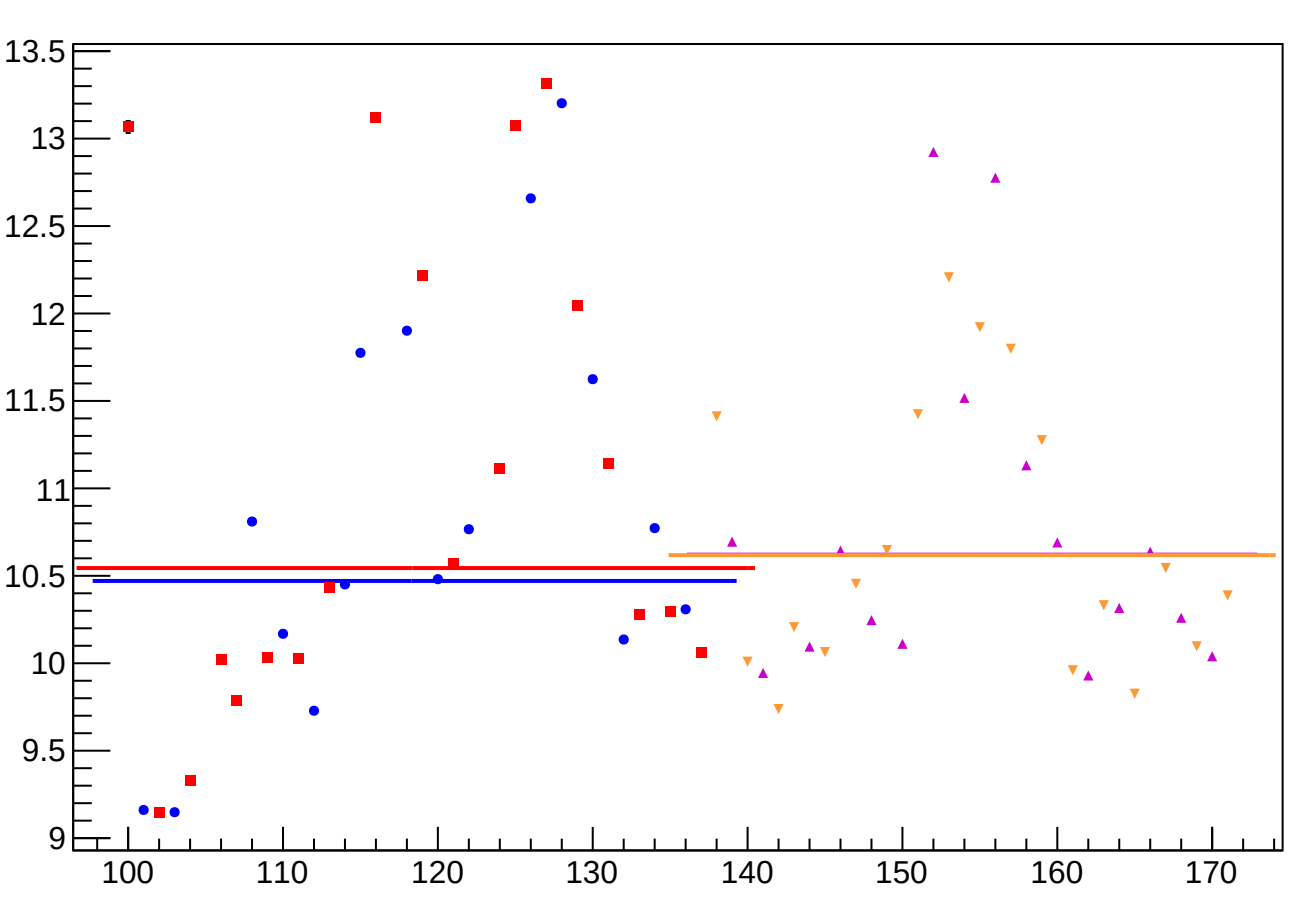
Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 182.459+/-0.030 χ^2/NDF:2645523.8/31

Out: 194.795+/-0.031 χ^2/NDF:3245140.3/36

All: 188.413+/-0.022 χ^2/NDF: 5971080.6/68


asym_bcm_an_us_an_ds3_dd_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -5.657+/-3.939 χ²/NDF: 13.7/15
Left Out: 0.747+/-2.846 χ²/NDF:19.7/17
Right Out: 8.960+/-3.901 χ²/NDF: 22.8/18
Left In: -3.366+/-2.955 χ²/NDF:22.0/15
Left: -1.232+/-2.050 χ²/NDF: 42.7/33
Right: 1.723+/-2.772 χ²/NDF: 43.4/34
In: -4.191+/-2.364 χ²/NDF:35.8/31
Out: 3.600+/-2.299 χ²/NDF:45.4/36
All: -0.188+/-1.648 χ²/NDF: 86.8/68



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: 10.621+/-0.002 χ^2/NDF:149098.4/15

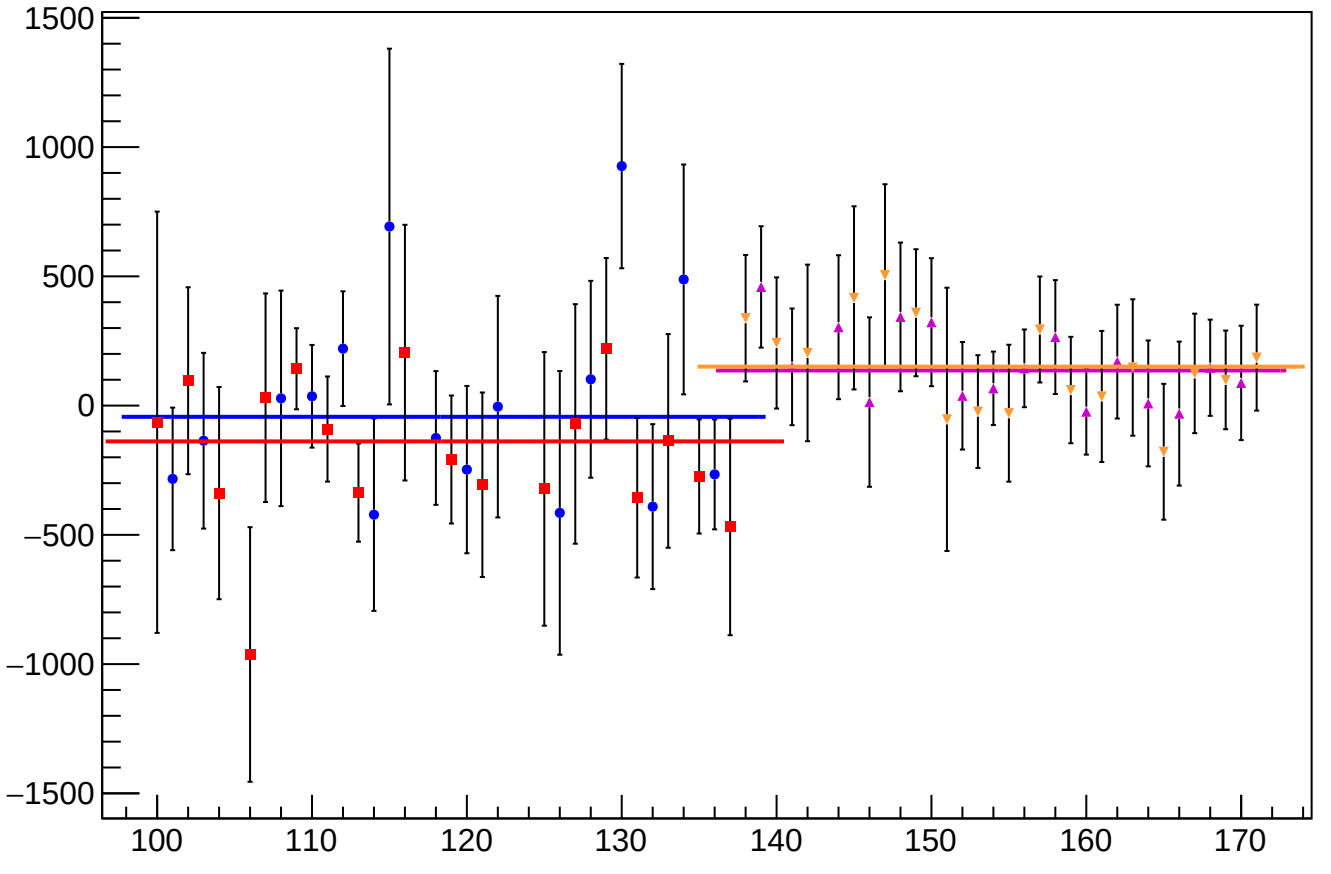
Left: 10.620+/-0.001 χ^2/NDF: 275527.1/33

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.567+/-0.002 χ^2/NDF:308329.5/31

Out: 10.593+/-0.002 χ^2/NDF:313675.5/36

All: 10.580+/-0.001 χ^2/NDF: 622126.5/68



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: 135.931+/-52.577 χ^2/NDF:5.9/15

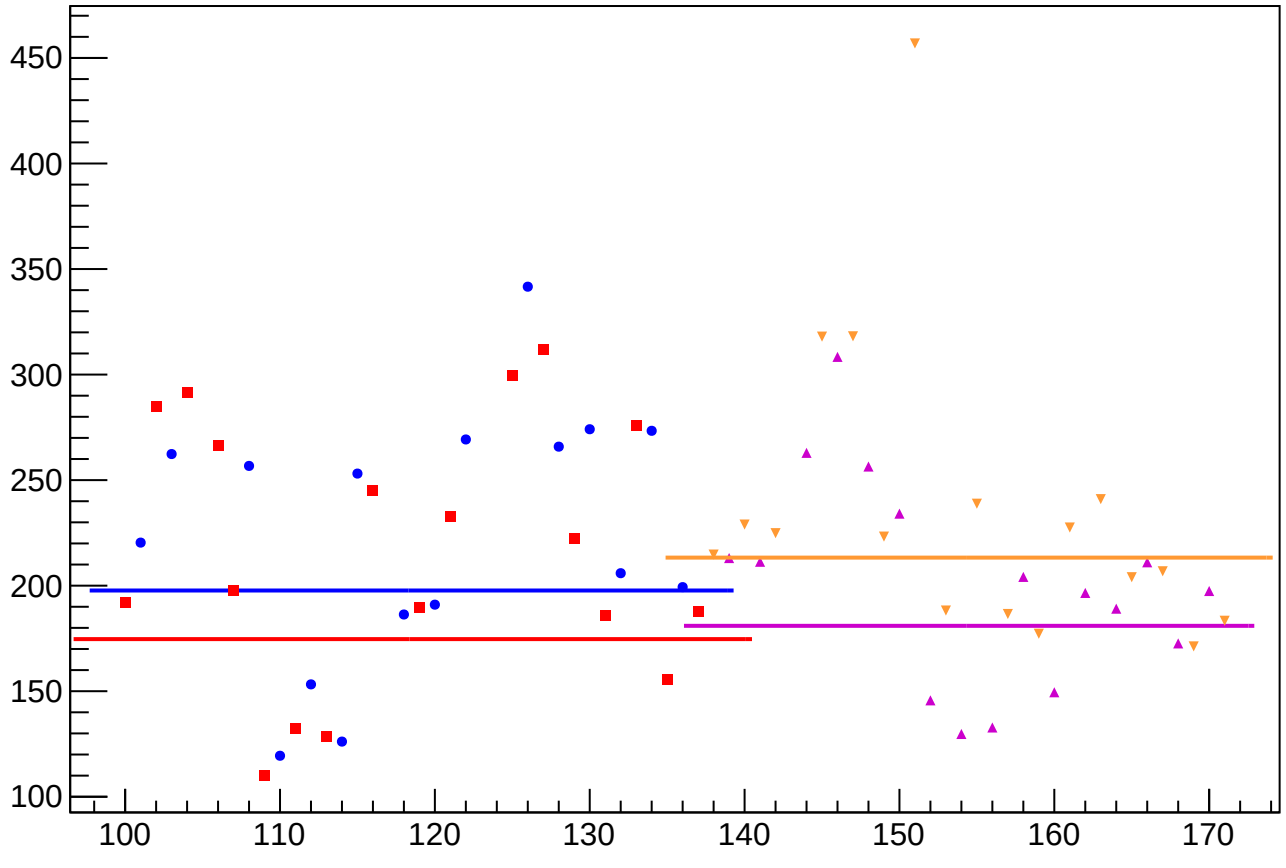
Left: 142.372+/-39.651 χ^2/NDF: 12.8/32

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 79.498+/-43.524 χ^2/NDF:25.0/31

Out: 27.104+/-45.674 χ^2/NDF:28.2/34

All: 54.563+/-31.509 χ^2/NDF: 53.9/66



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: 180.971+/-0.037 χ^2/NDF:1446384.8/15

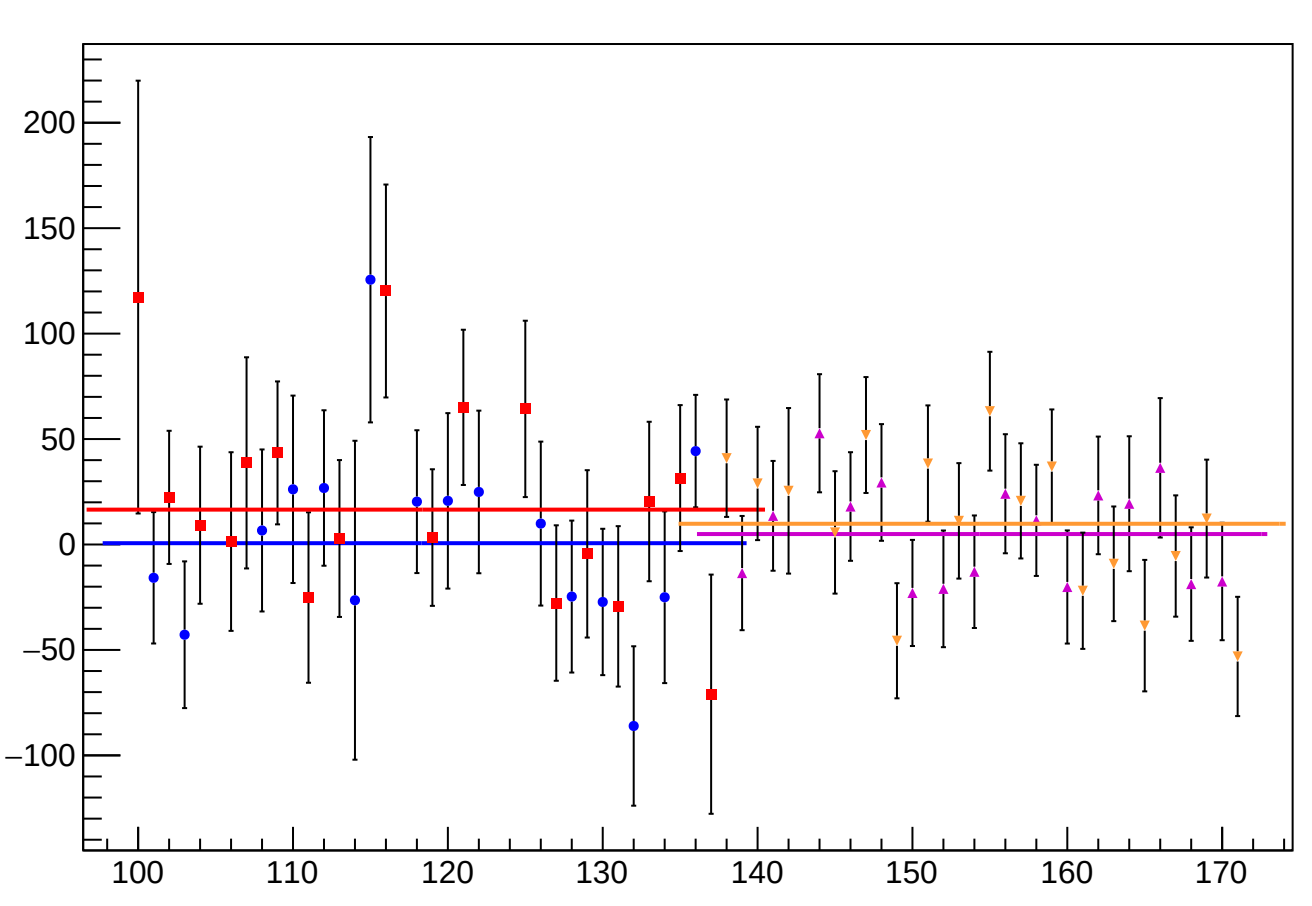
Left: 194.909+/-0.028 χ^2/NDF: 2908128.2/32

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 186.238+/-0.031 χ^2/NDF:2510490.9/31

Out: 196.773+/-0.032 χ^2/NDF:3020443.6/34

All: 191.252+/-0.022 χ^2/NDF: 5586705.8/66



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: 4.952+/-6.876 χ^2/NDF:11.5/15

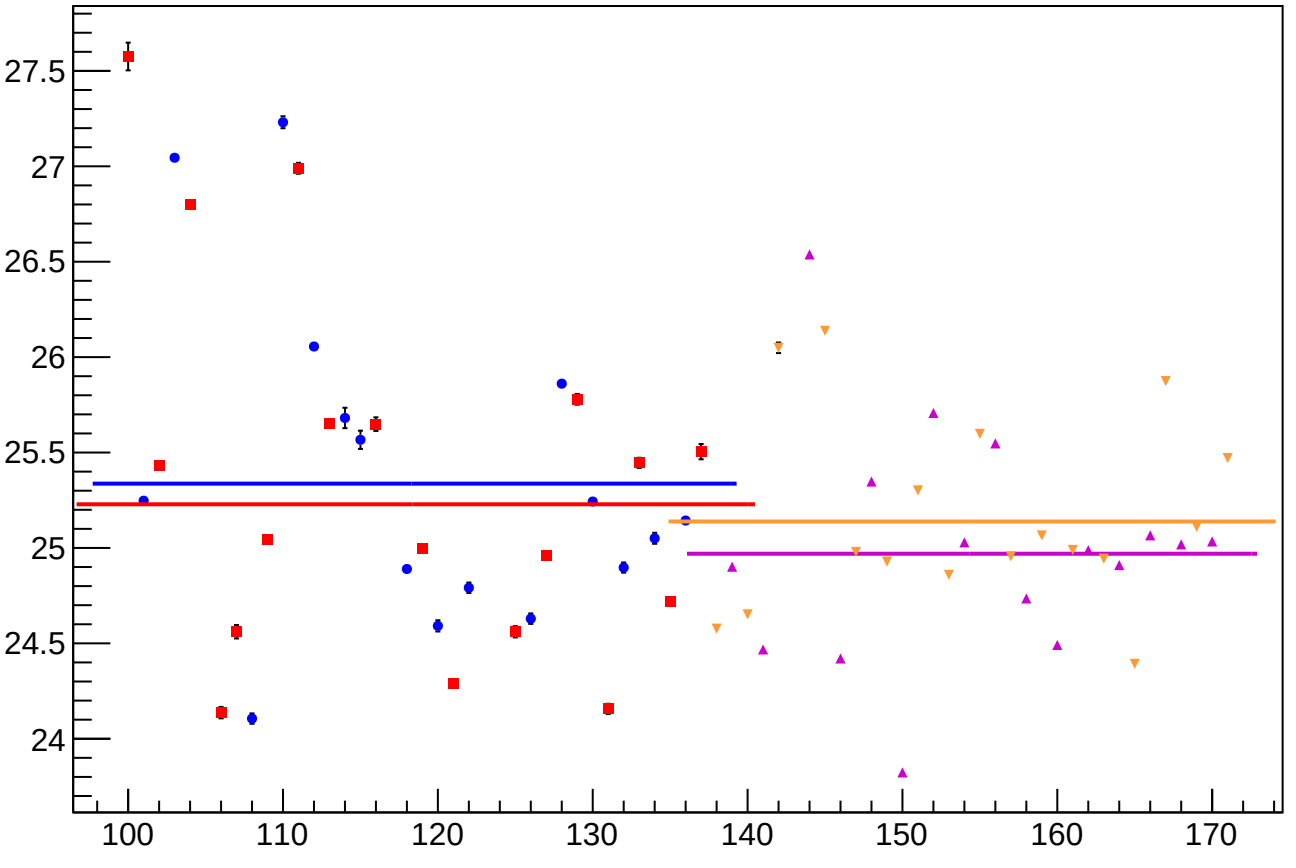
Left: 7.395+/-4.858 χ^2/NDF: 35.4/32

Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 3.446+/-5.554 χ^2/NDF:28.3/31

Out: 12.191+/-5.524 χ^2/NDF:40.4/34

All: 7.842+/-3.917 χ^2/NDF: 70.0/66



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: 24.970+/-0.005 χ^2/NDF:15563.3/15

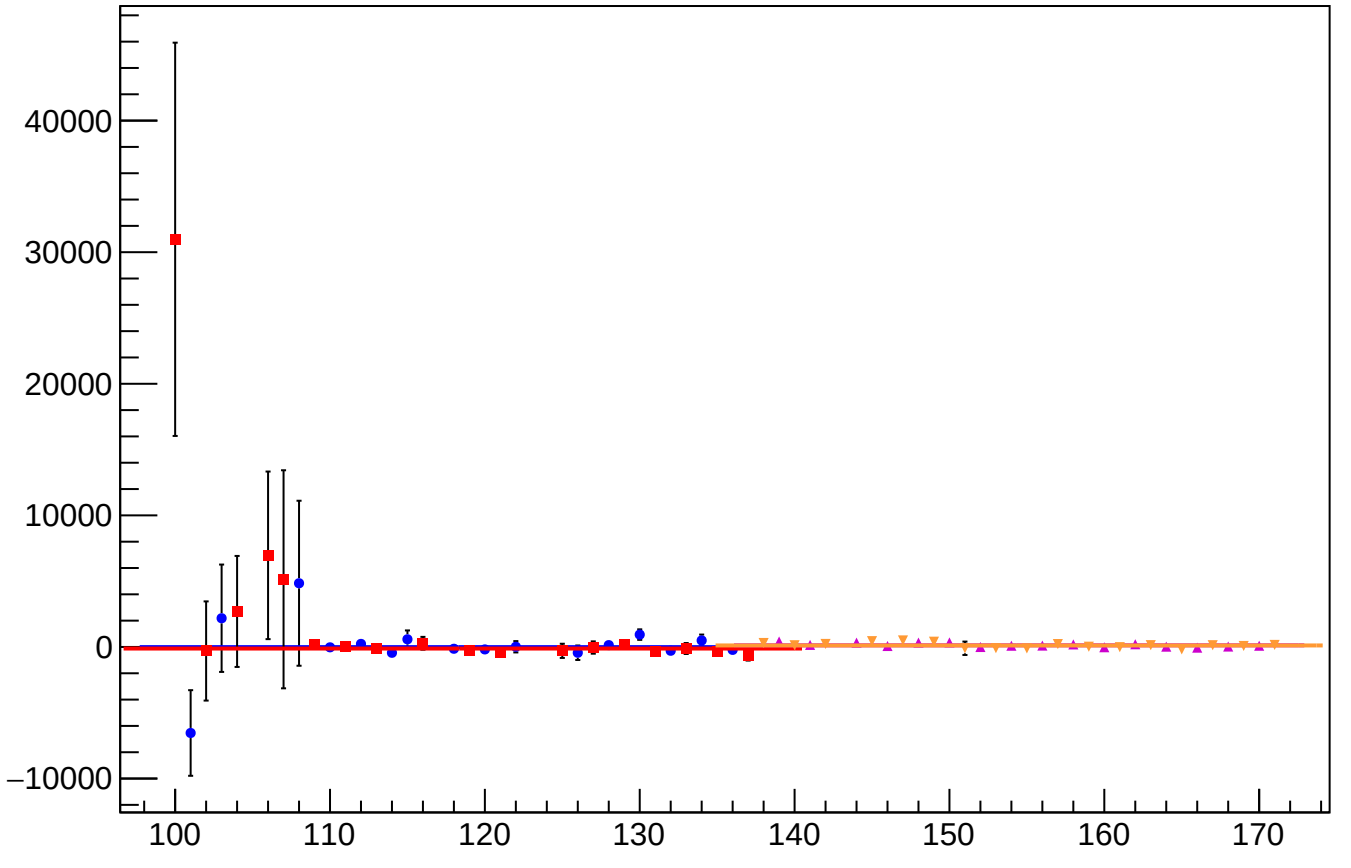
Left: 25.054+/-0.003 χ^2/NDF: 25080.1/32

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.097+/-0.004 χ^2/NDF:31861.8/31

Out: 25.170+/-0.004 χ^2/NDF:24209.4/34

All: 25.134+/-0.003 χ^2/NDF: 56245.1/66



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: 124.873+/-53.238 χ^2/NDF:5.6/15

Left: 120.557+/-40.026 χ^2/NDF: 13.4/32

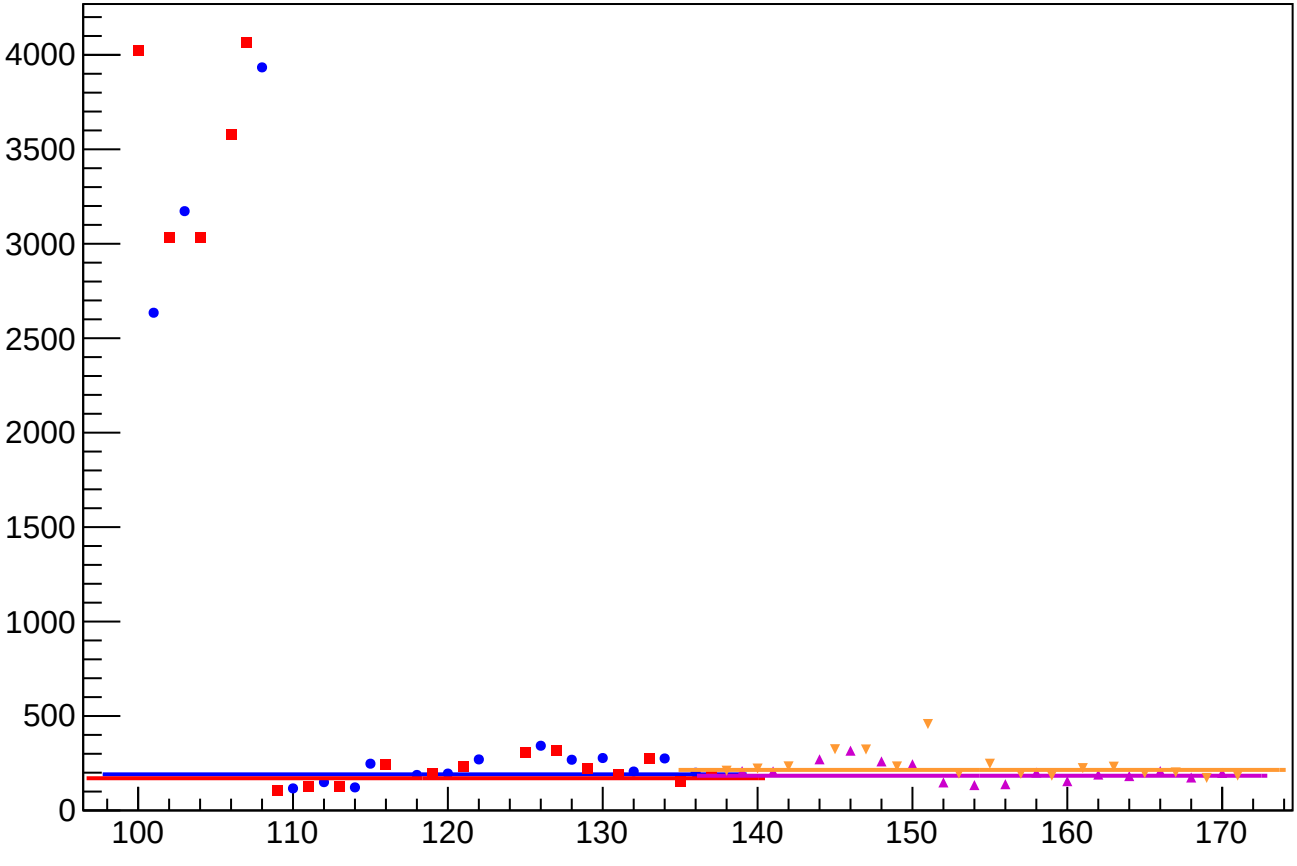
Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 85.620+/-45.036 χ^2/NDF:25.8/31

Out: 26.676+/-47.963 χ^2/NDF:27.8/34

All: 58.001+/-32.831 χ^2/NDF: 54.5/66

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: 183.748+/-0.038 χ^2/NDF:1329465.7/15

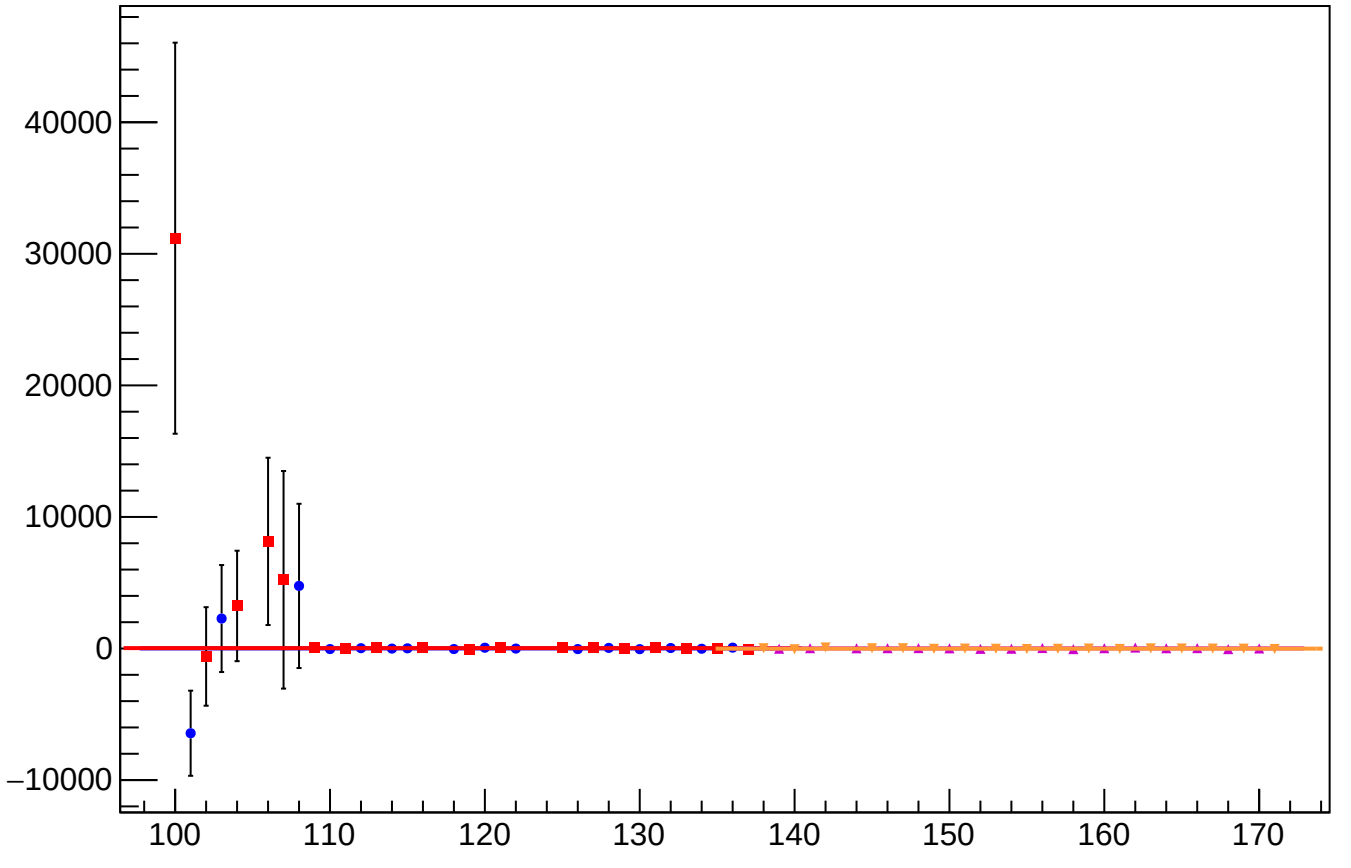
Left: 197.179+/-0.028 χ^2/NDF: 2738717.7/32

Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 185.830+/-0.032 χ^2/NDF:5174175.9/31

Out: 198.054+/-0.034 χ^2/NDF:5768728.2/34

All: 191.558+/-0.023 χ^2/NDF: 11011938.3/66



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: 8.567+/-7.977 χ^2/NDF:16.0/15

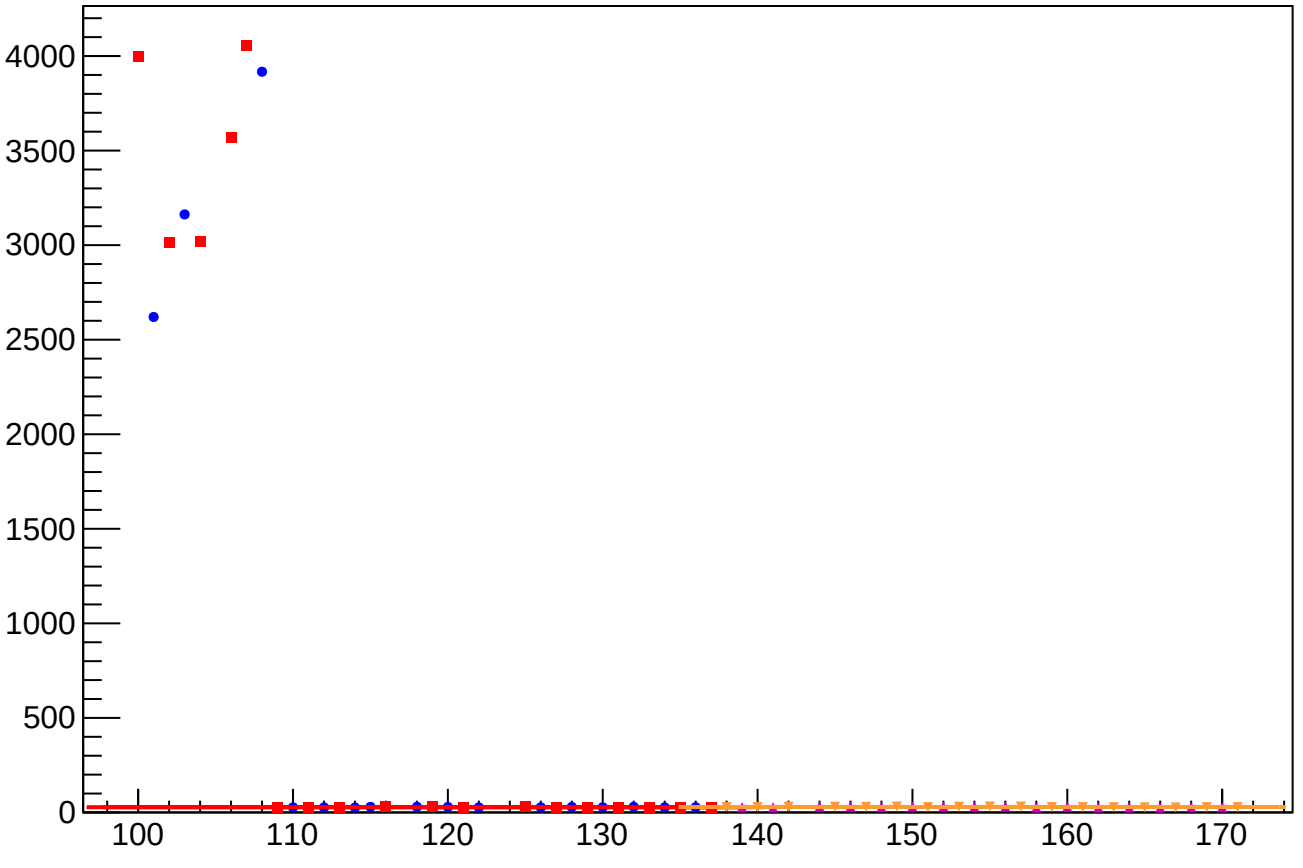
Left: -0.443+/-5.602 χ^2/NDF: 30.1/32

Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 7.913+/-6.603 χ^2/NDF:34.3/31

Out: 2.687+/-6.594 χ^2/NDF:39.1/34

All: 5.297+/-4.666 χ^2/NDF: 73.7/66



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: 28.891+/-0.006 χ^2/NDF:111648.8/15

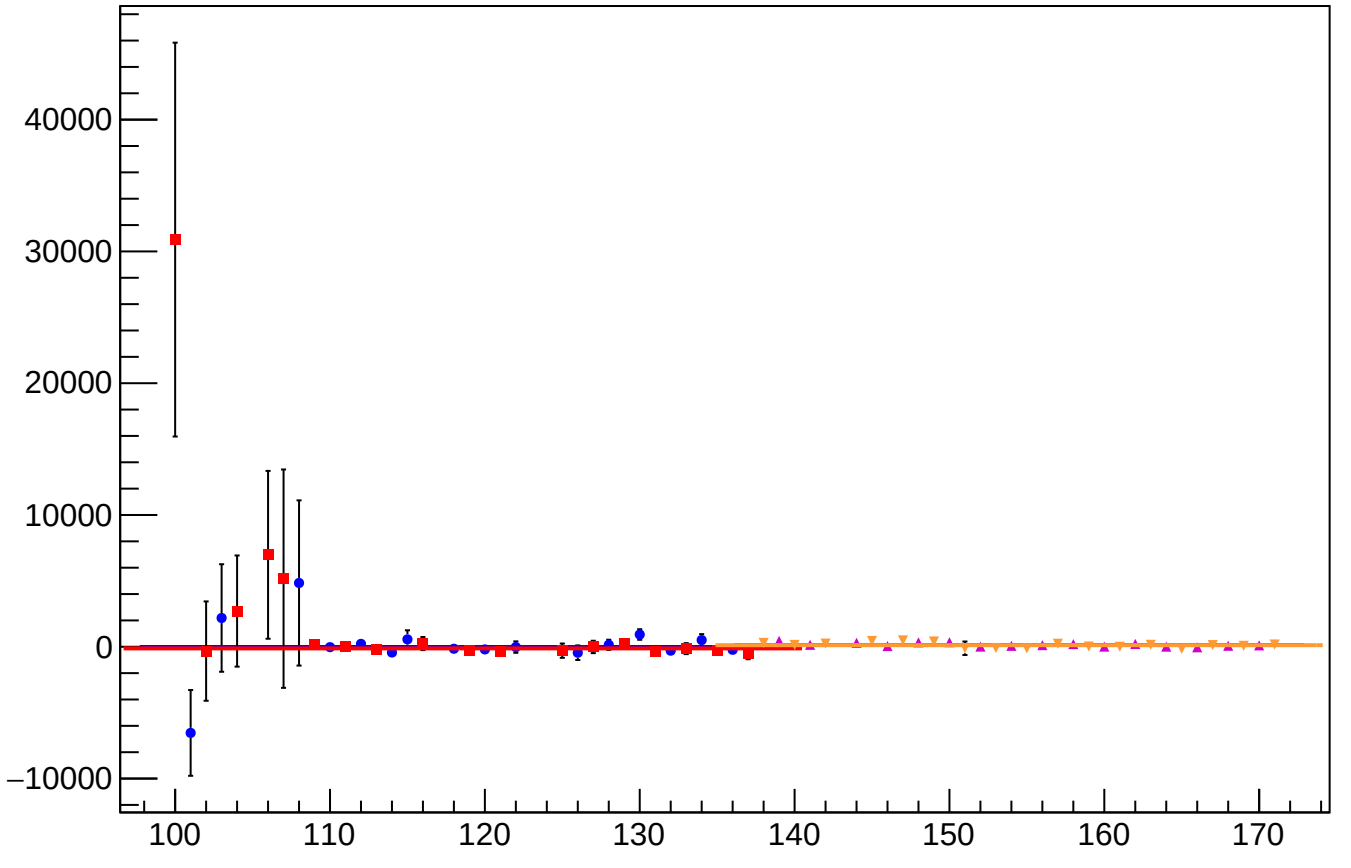
Left: 28.828+/-0.004 χ^2/NDF: 184560.5/32

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.555+/-0.005 χ^2/NDF:3388795.3/31

Out: 28.473+/-0.005 χ^2/NDF:3640472.7/34

All: 28.514+/-0.003 χ^2/NDF: 7029424.2/66



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: 134.537+/-53.744 χ^2/NDF:5.3/15

Left: 128.188+/-40.385 χ^2/NDF: 12.9/32

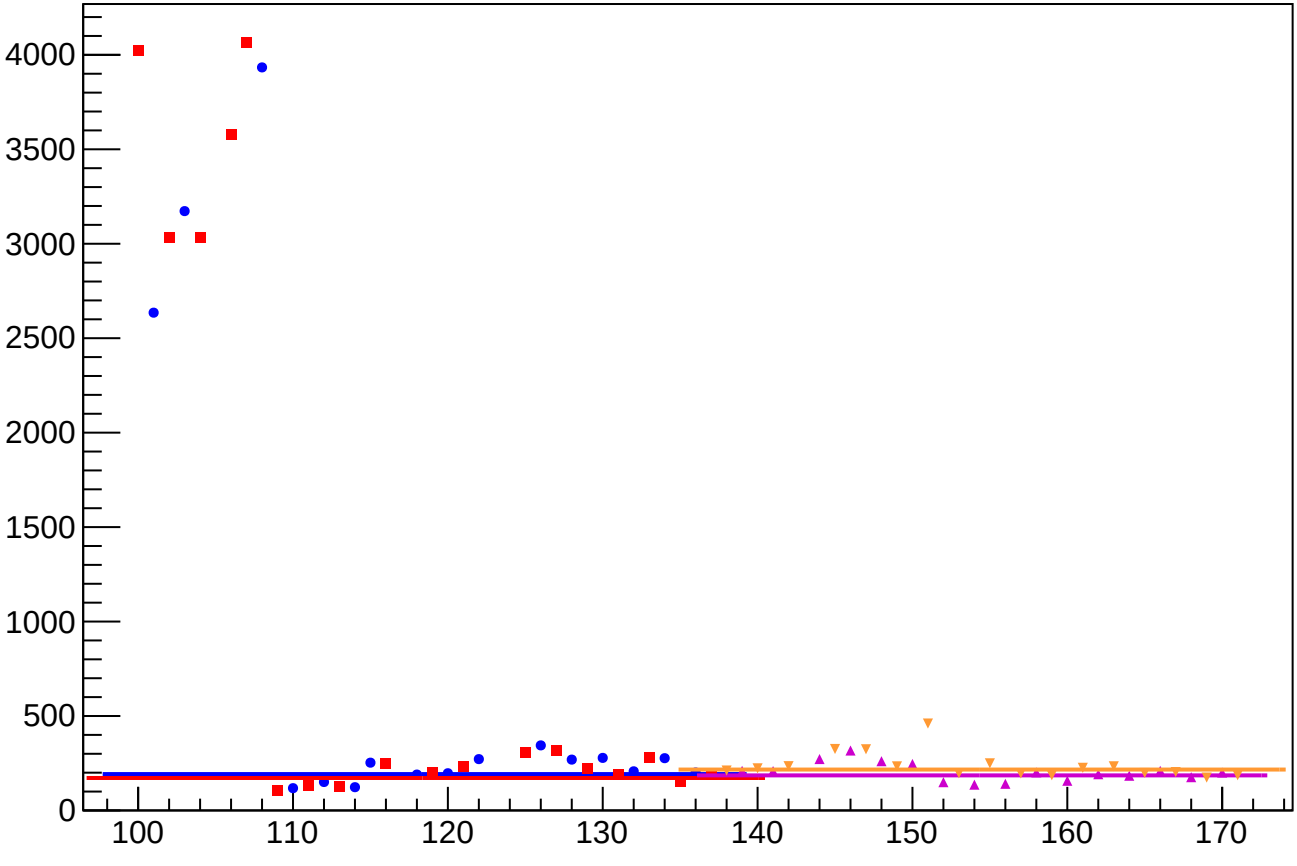
Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 90.584+/-45.435 χ^2/NDF:25.9/31

Out: 29.143+/-48.348 χ^2/NDF:26.7/34

All: 61.770+/-33.109 χ^2/NDF: 53.4/66

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: 185.670+/-0.038 χ^2/NDF:1289504.6/15

Left: 199.103+/-0.029 χ^2/NDF: 2674940.0/32

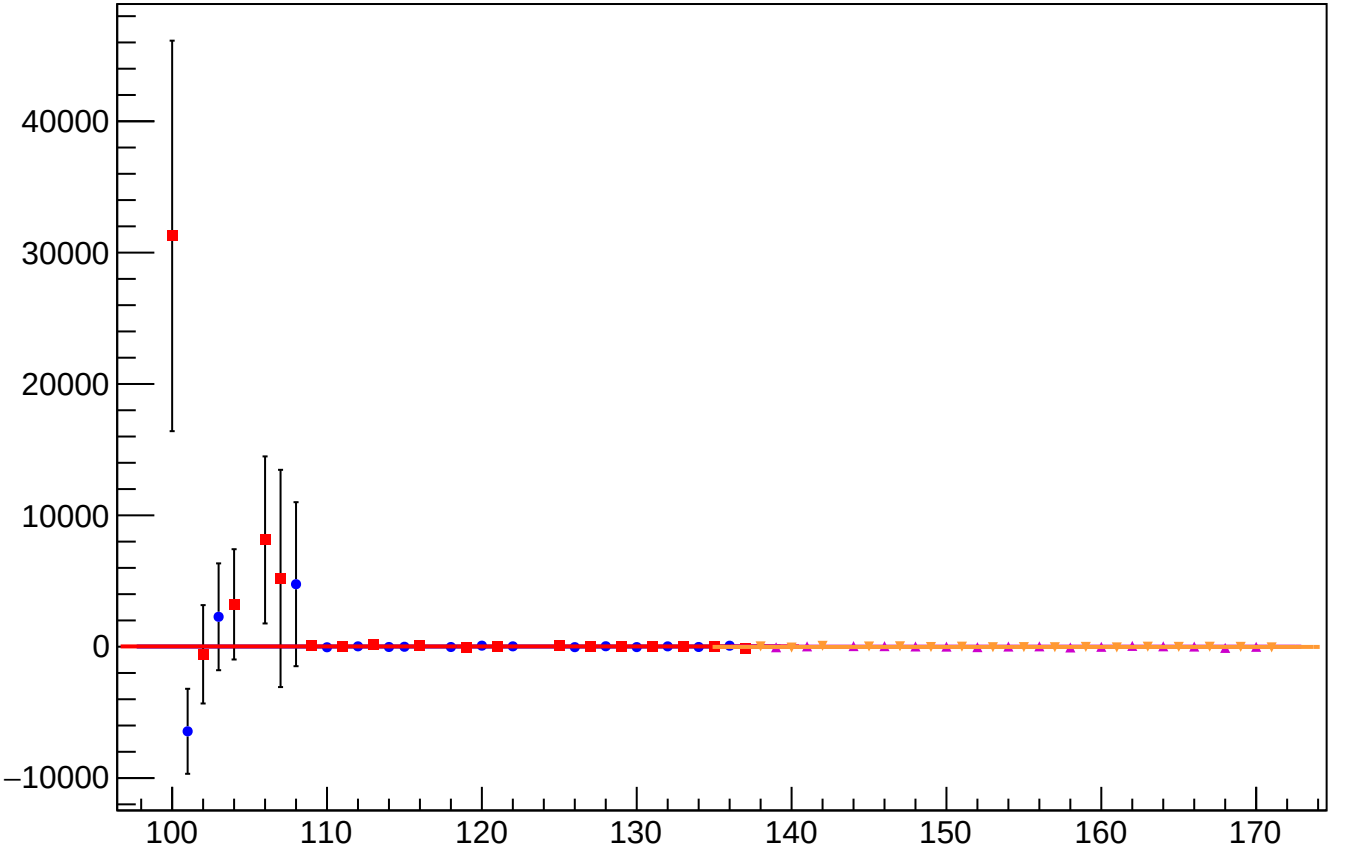
Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 187.635+/-0.032 χ^2/NDF:5121673.0/31

Out: 199.745+/-0.034 χ^2/NDF:5746037.0/34

All: 193.314+/-0.023 χ^2/NDF: 10934333.4/66

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.525+/-8.494 χ^2/NDF:12.7/16

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 2.869+/-8.606 χ^2/NDF:22.5/15

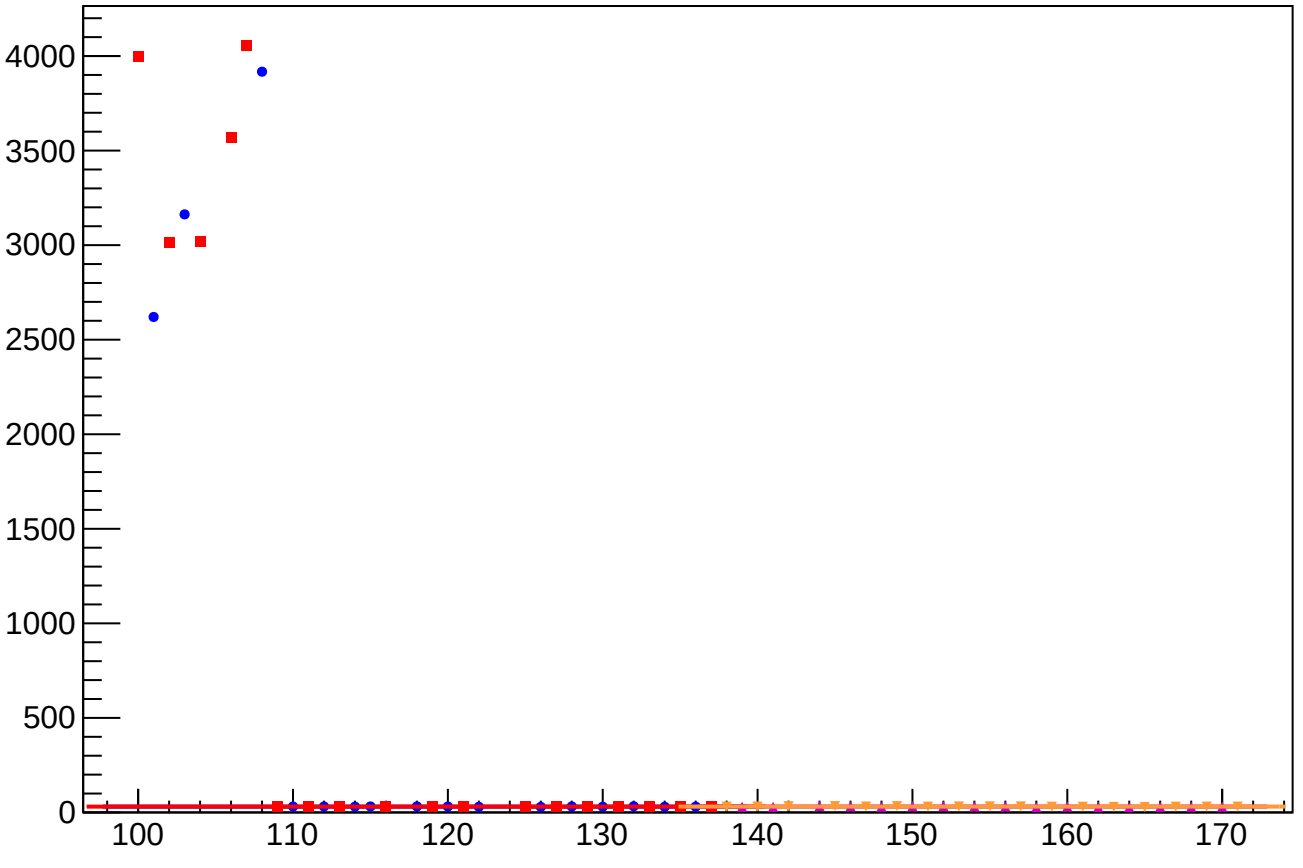
Left: -6.955+/-6.045 χ^2/NDF: 37.8/32

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 6.152+/-7.186 χ^2/NDF:38.5/31

Out: -5.489+/-7.172 χ^2/NDF:47.0/34

All: 0.319+/-5.076 χ^2/NDF: 86.8/66



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: 31.190+/-0.006 χ^2/NDF:77087.6/15

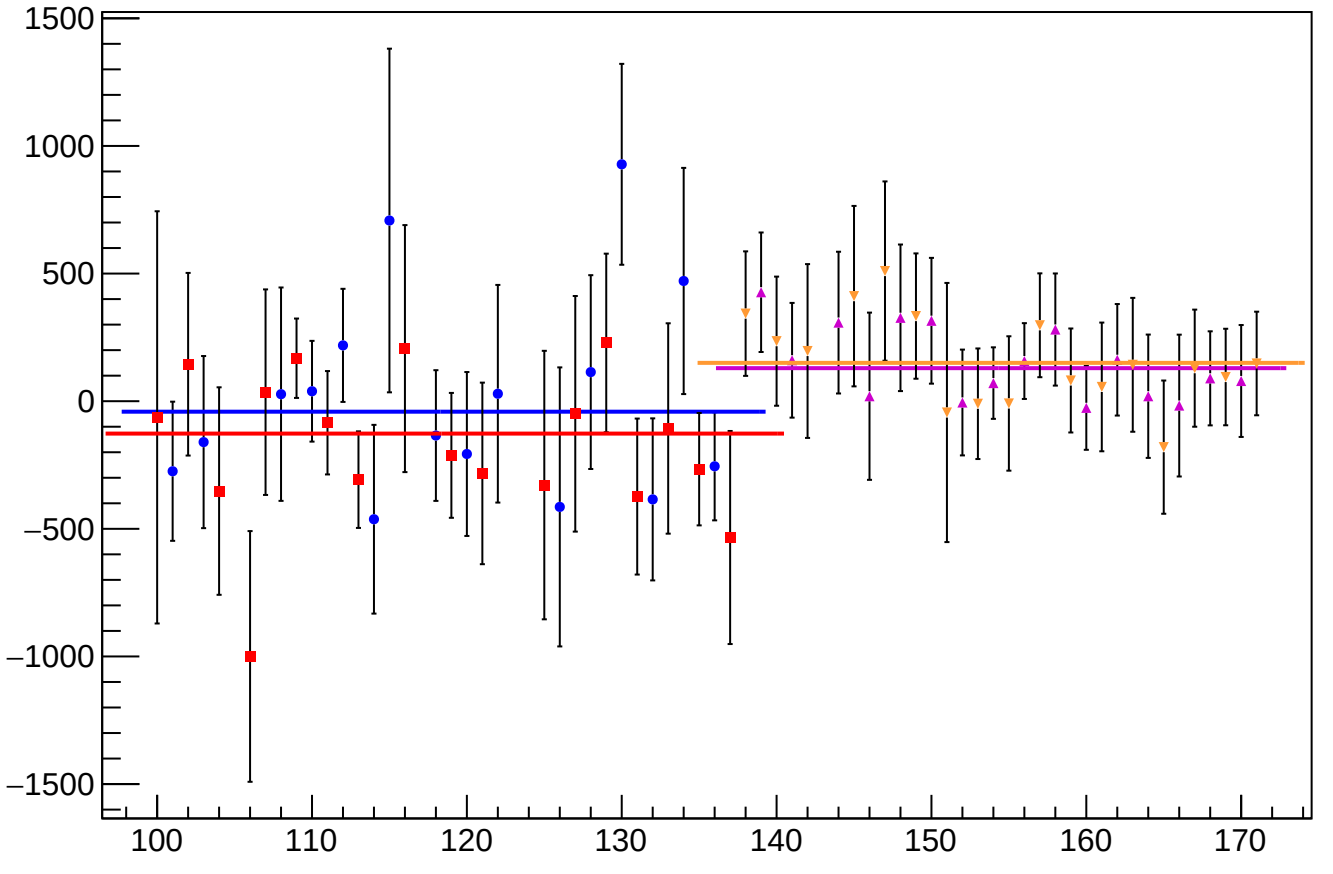
Left: 31.132+/-0.004 χ^2/NDF: 119097.2/32

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.110+/-0.005 χ^2/NDF:3330252.9/31

Out: 30.998+/-0.005 χ^2/NDF:3578387.4/34

All: 31.054+/-0.004 χ^2/NDF: 6908883.8/66



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: 129.418+/-52.161 χ^2/NDF:5.8/15

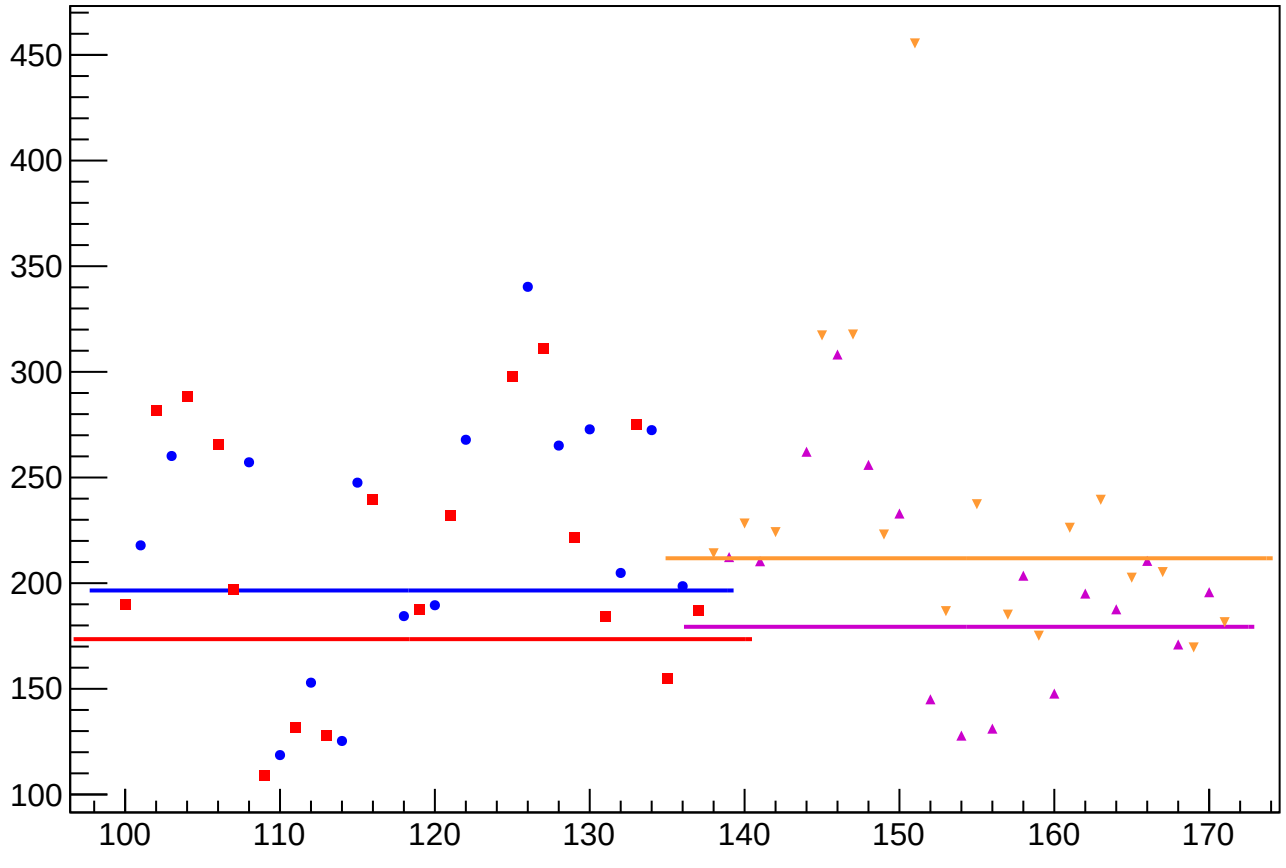
Left: 138.362+/-39.362 χ^2/NDF: 12.3/32

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 75.911+/-43.209 χ^2/NDF:24.8/31

Out: 31.663+/-45.379 χ^2/NDF:28.3/34

All: 54.870+/-31.292 χ^2/NDF: 53.6/66



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: 179.355+/-0.037 χ^2/NDF:1489524.9/15

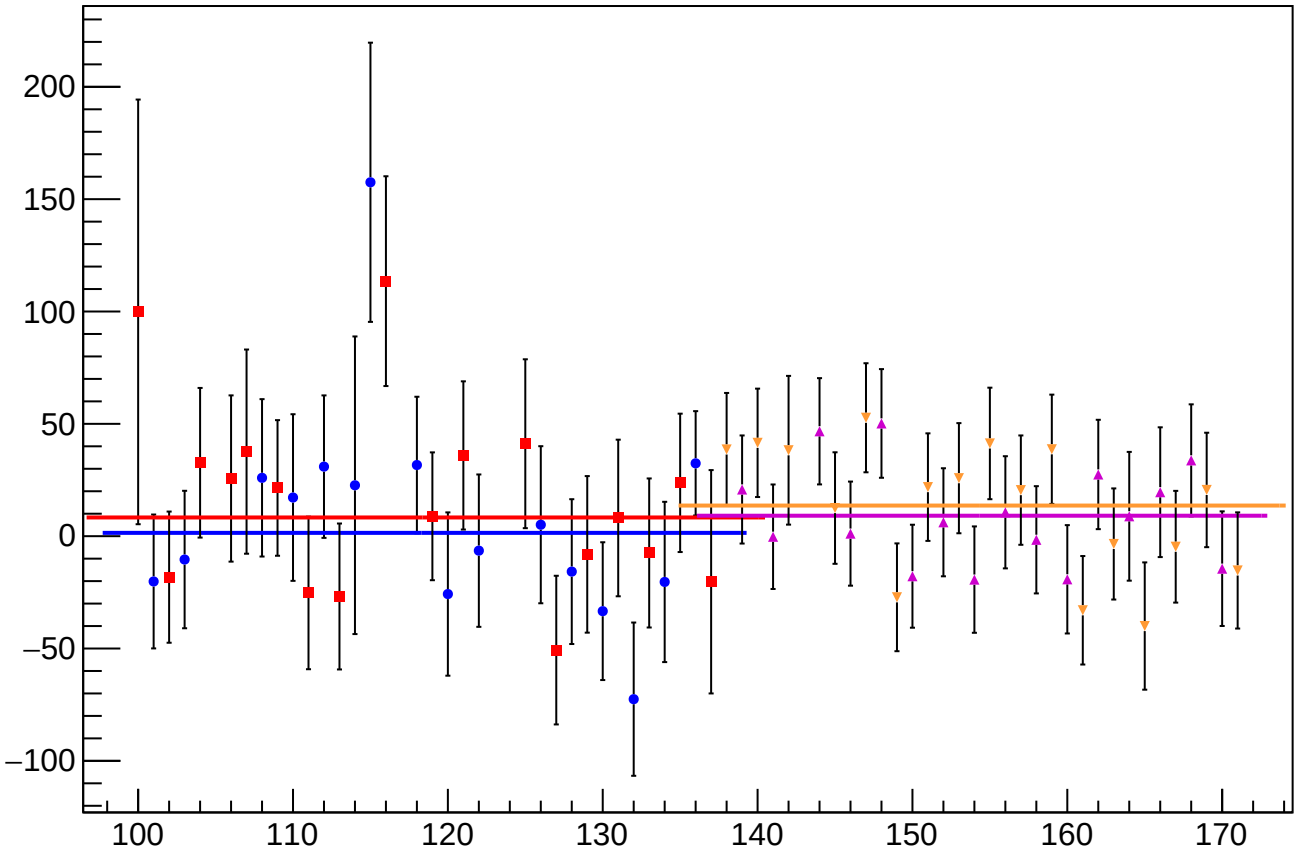
Left: 193.317+/-0.028 χ^2/NDF: 2980268.0/32

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

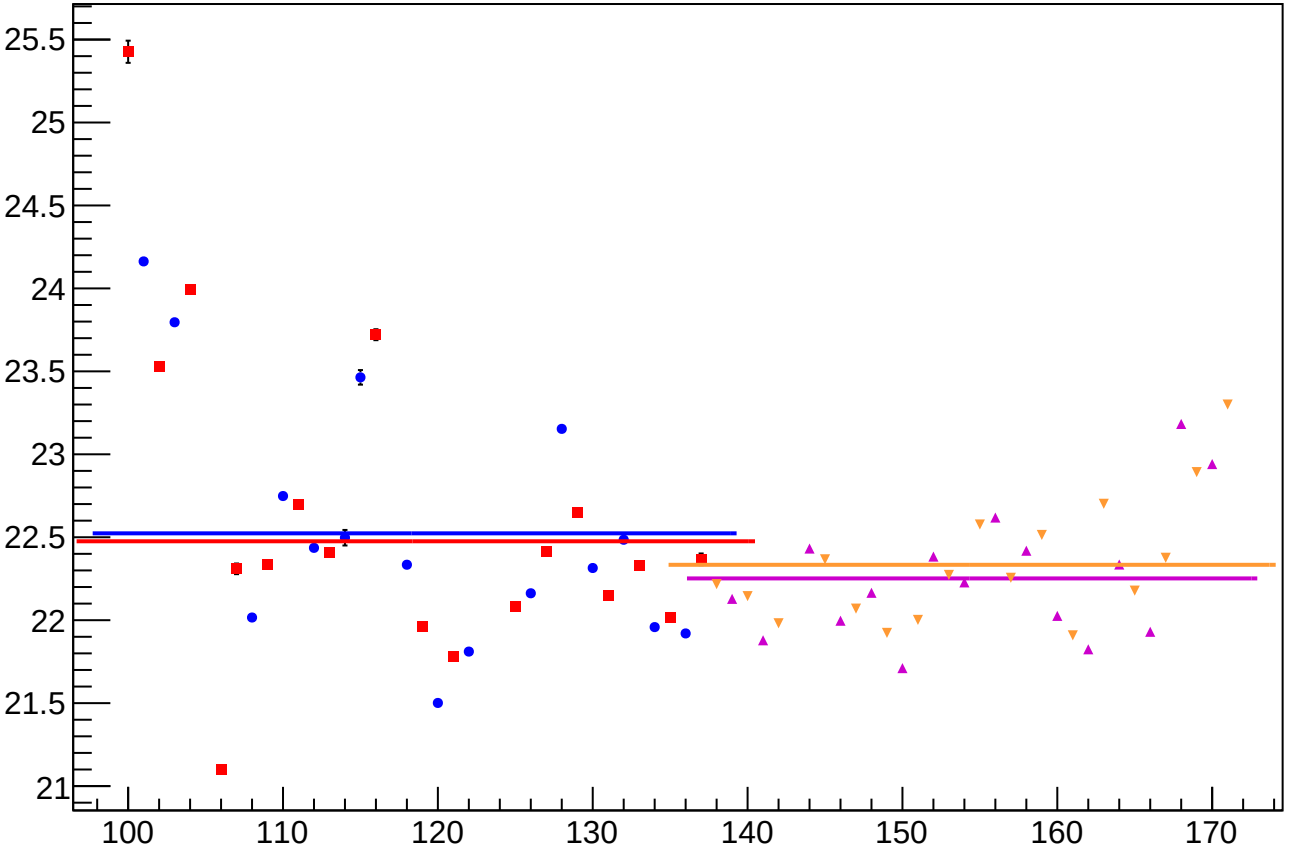
In: 184.748+/-0.031 χ^2/NDF:2558426.9/31

Out: 195.411+/-0.032 χ^2/NDF:3038915.6/34

All: 189.819+/-0.022 χ^2/NDF: 5655265.7/66


asym_bcm_dg_us_an_us_dd_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 1.475+/-8.370 χ²/NDF: 18.7/15
Left Out: 13.630+/-6.093 χ²/NDF:20.8/16
Right Out: 8.329+/-8.286 χ²/NDF: 16.0/17
Left In: 9.107+/-6.122 χ²/NDF:12.9/15
Left: 11.379+/-4.319 χ²/NDF: 33.9/32
Right: 4.937+/-5.889 χ²/NDF: 35.0/33
In: 6.447+/-4.941 χ²/NDF:32.1/31
Out: 11.770+/-4.909 χ²/NDF:37.1/34
All: 9.126+/-3.482 χ²/NDF: 69.7/66

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: 22.252+/-0.004 χ^2/NDF:7962.5/15

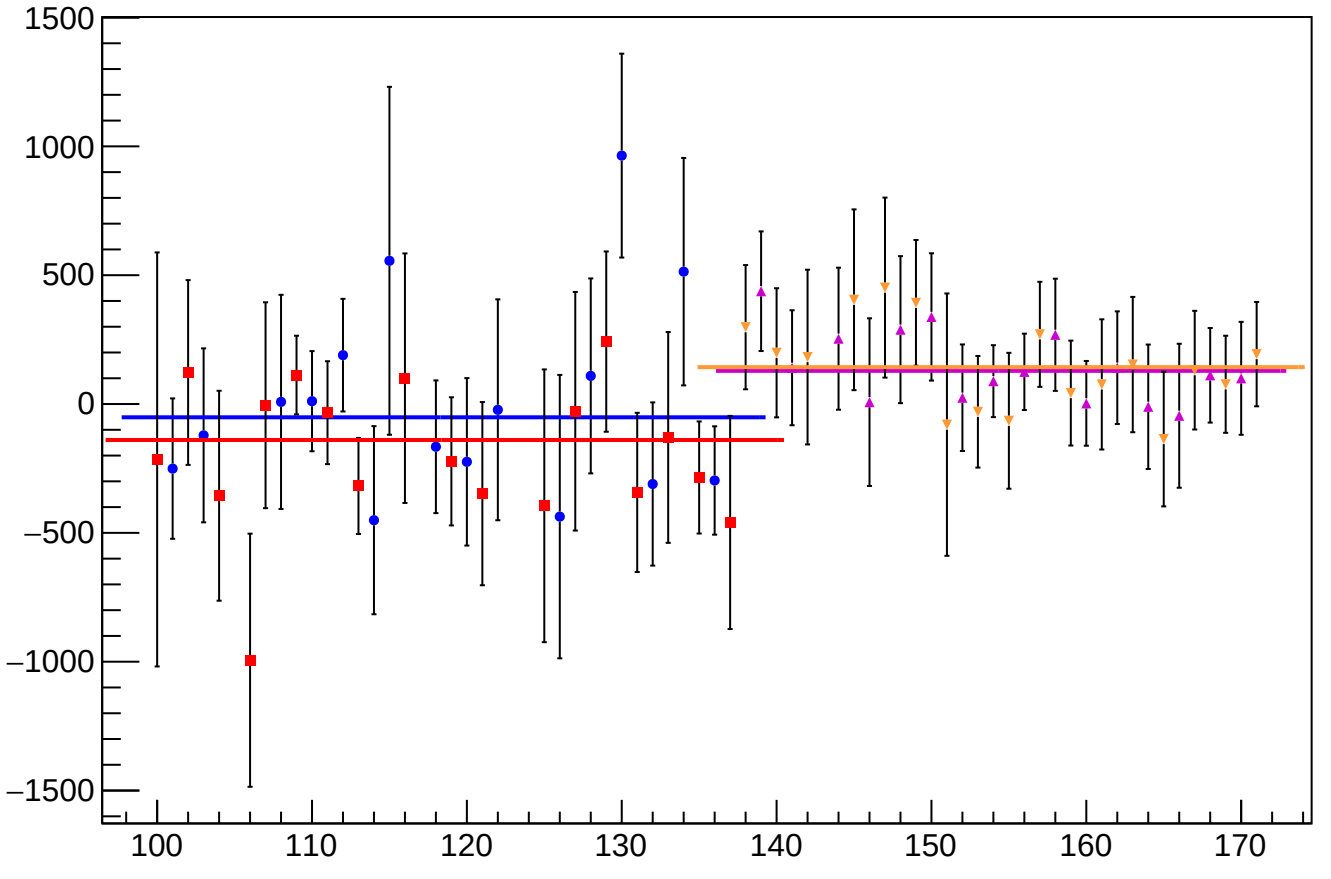
Left: 22.293+/-0.003 χ^2/NDF: 14963.9/32

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.347+/-0.003 χ^2/NDF:25283.9/31

Out: 22.384+/-0.003 χ^2/NDF:22737.5/34

All: 22.365+/-0.002 χ^2/NDF: 48078.3/66



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: 128.805+/-52.012 χ^2/NDF:5.2/15

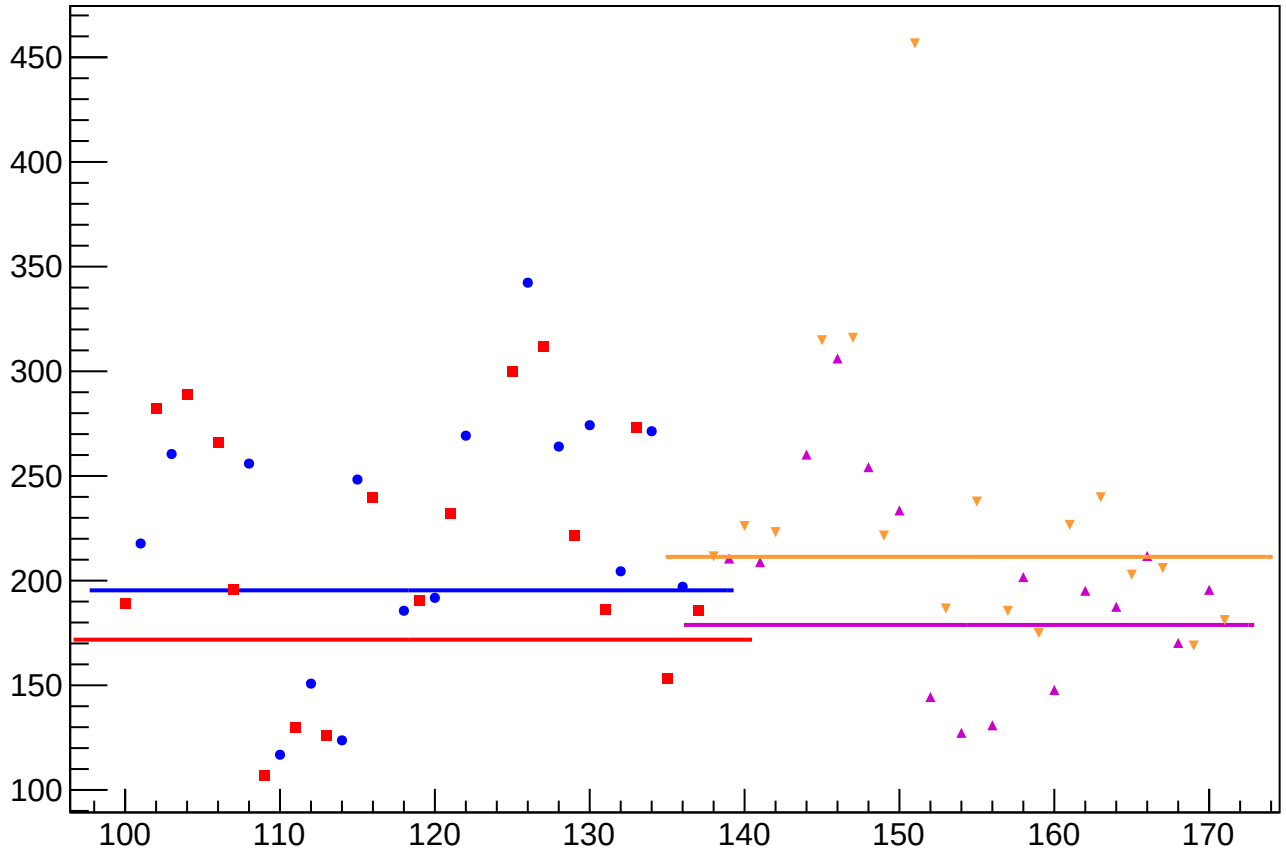
Left: 134.946+/-39.265 χ^2/NDF: 11.6/32

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 72.111+/-43.065 χ^2/NDF:24.4/31

Out: 21.462+/-45.190 χ^2/NDF:27.5/34

All: 48.005+/-31.176 χ^2/NDF: 52.5/66



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: 178.837+/-0.037 χ^2/NDF:1479795.2/15

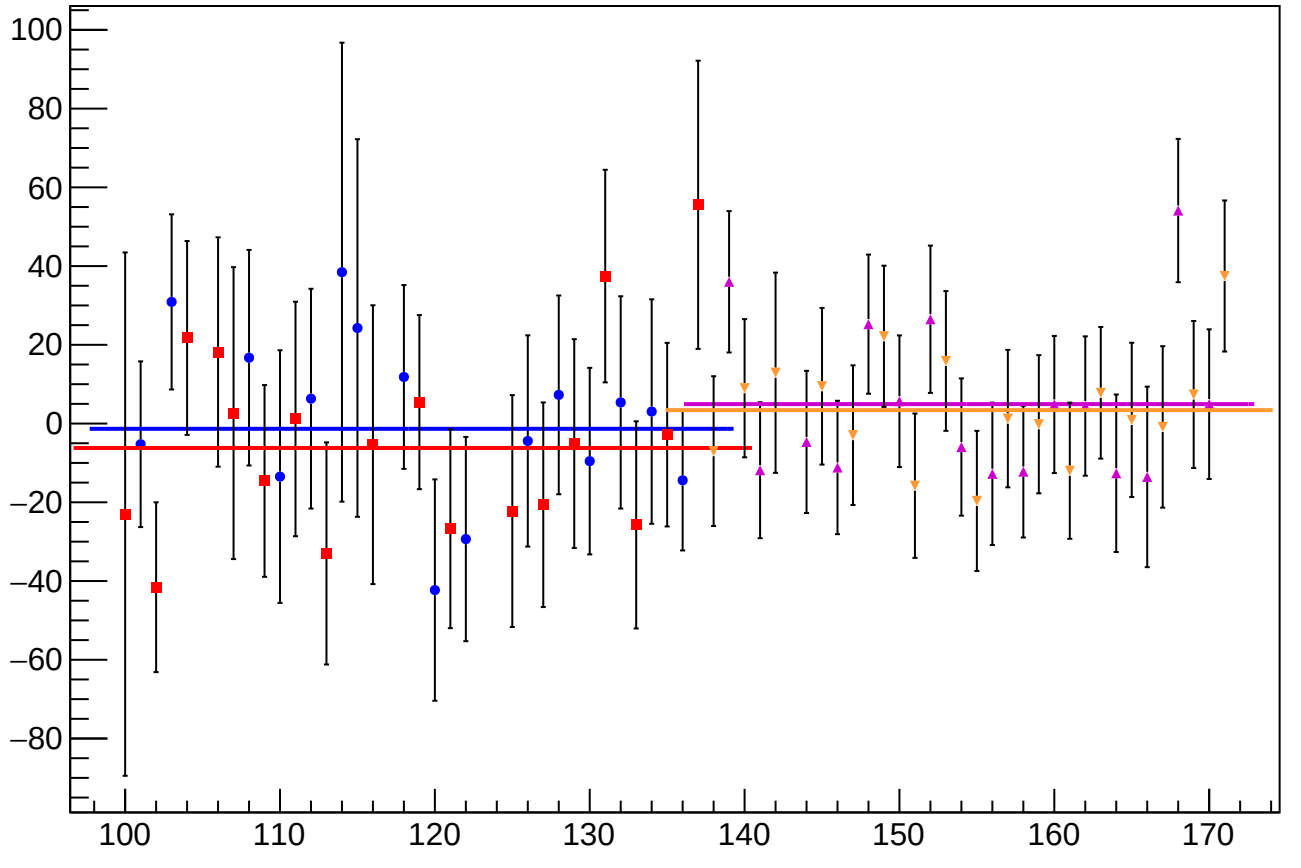
Left: 192.831+/-0.028 χ^2/NDF: 2968702.0/32

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 184.033+/-0.030 χ^2/NDF:2584700.0/31

Out: 194.347+/-0.032 χ^2/NDF:3128862.4/34

All: 188.942+/-0.022 χ^2/NDF: 5768159.1/66



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: 4.942+/-4.507 χ^2/NDF:18.9/15

Left: 4.173+/-3.179 χ^2/NDF: 28.3/32

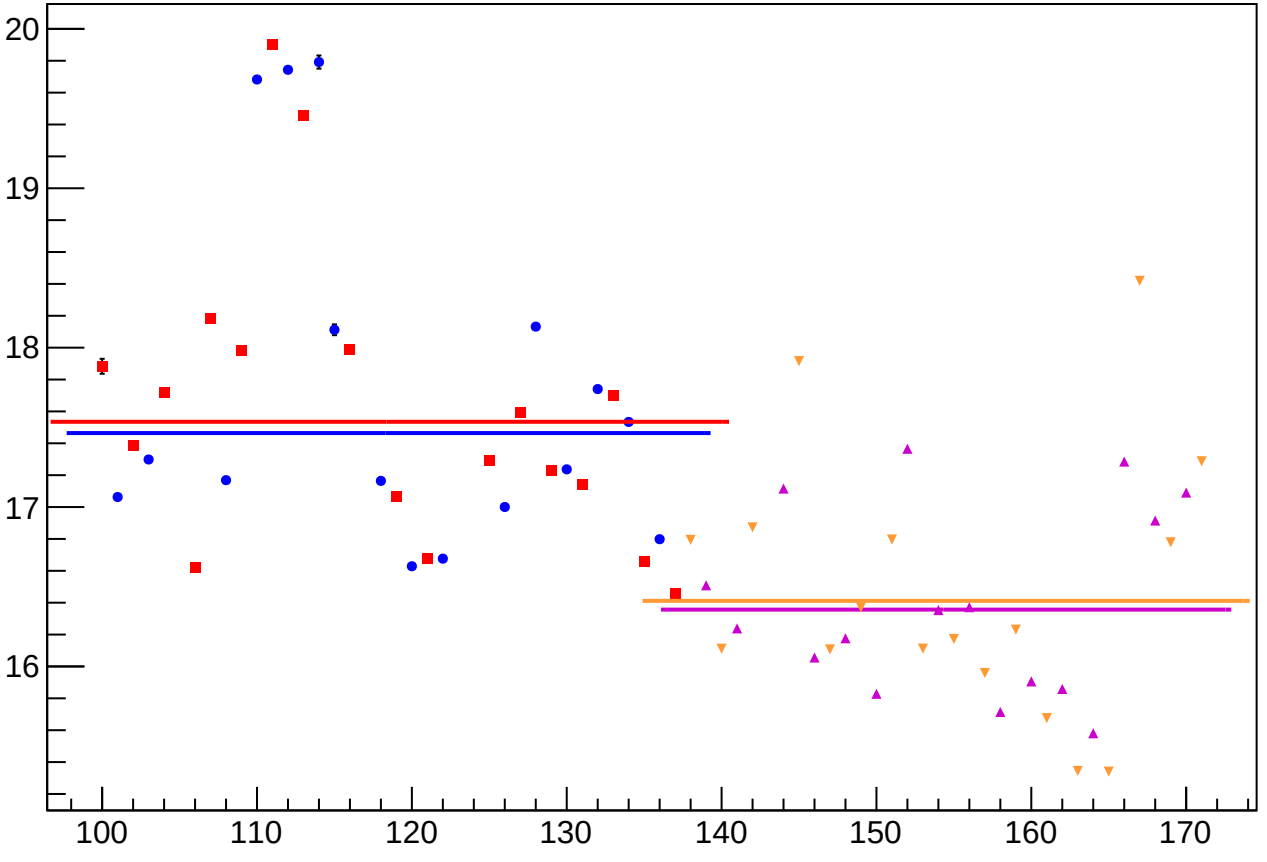
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.905+/-3.703 χ^2/NDF:27.5/31

Out: 0.295+/-3.687 χ^2/NDF:24.2/34

All: 1.594+/-2.613 χ^2/NDF: 52.0/66

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.412+/-0.003 χ^2/NDF:59312.2/16

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.357+/-0.003 χ^2/NDF:29451.3/15

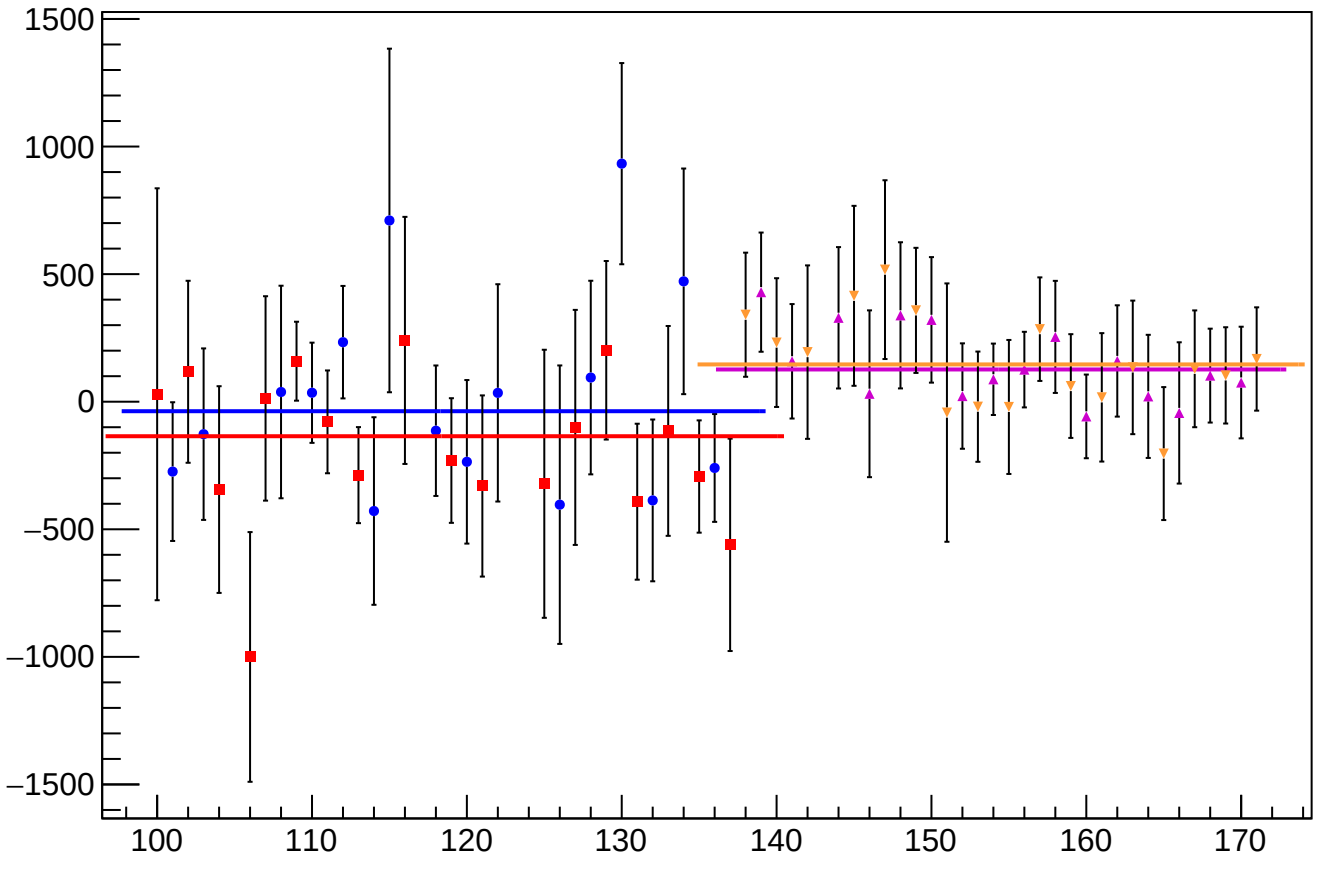
Left: 16.384+/-0.002 χ^2/NDF: 88913.0/32

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.716+/-0.003 χ^2/NDF:105329.9/31

Out: 16.776+/-0.003 χ^2/NDF:134491.0/34

All: 16.746+/-0.002 χ^2/NDF: 240082.4/66



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: 126.331+/-52.059 χ^2/NDF:6.1/15

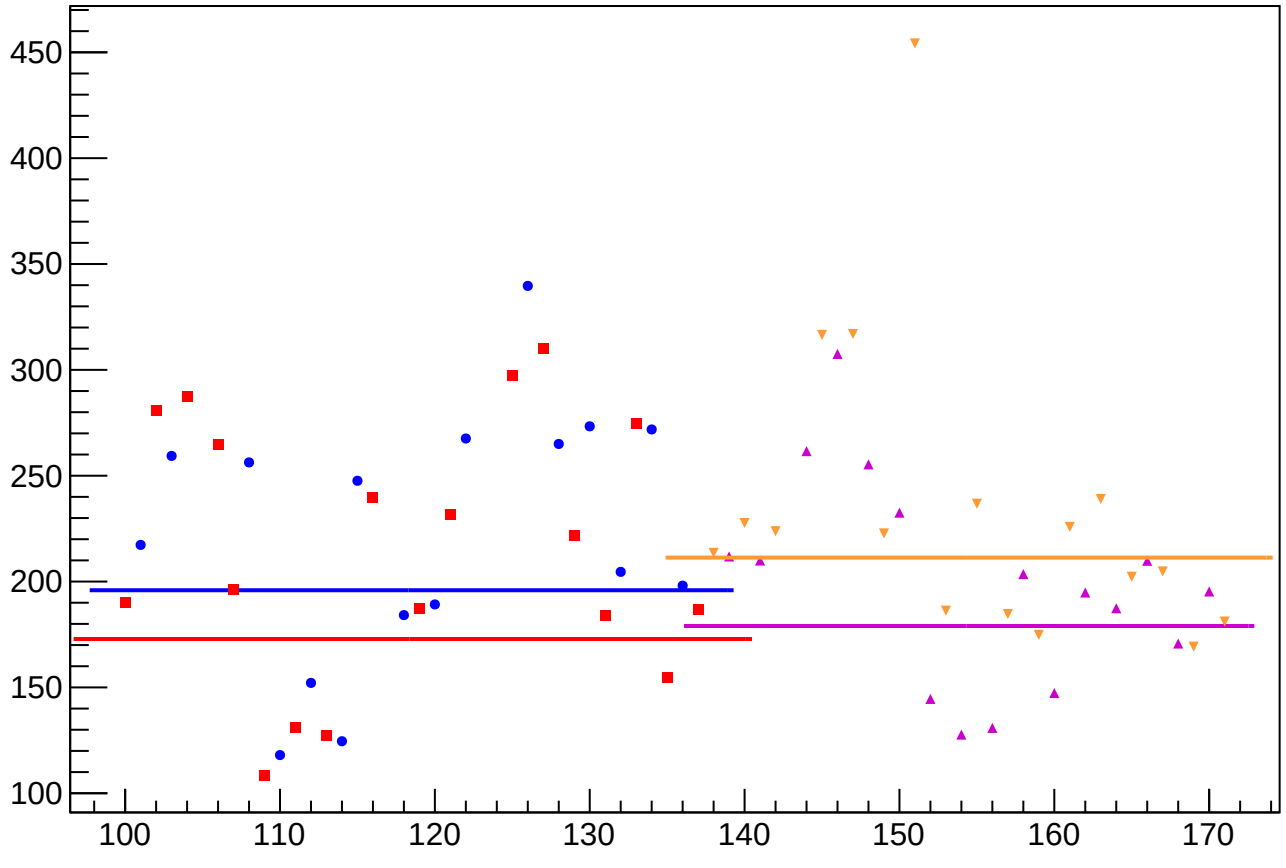
Left: 134.853+/-39.281 χ^2/NDF: 13.3/32

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 74.940+/-43.112 χ^2/NDF:24.8/31

Out: 25.604+/-45.258 χ^2/NDF:29.4/34

All: 51.469+/-31.216 χ^2/NDF: 54.9/66



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: 179.008+/-0.037 χ^2/NDF:1489488.7/15

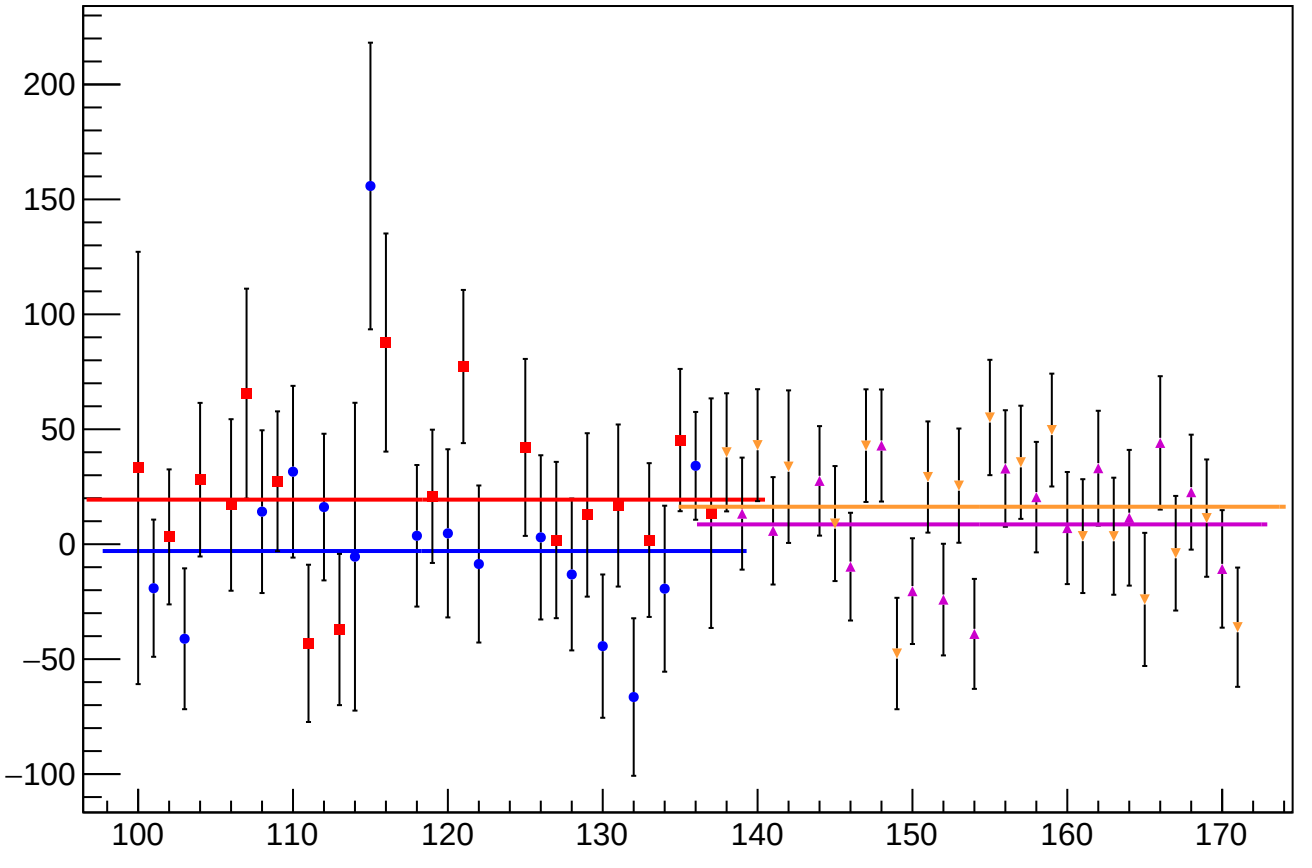
Left: 192.924+/-0.028 χ^2/NDF: 2978913.0/32

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 184.315+/-0.030 χ^2/NDF:2566658.8/31

Out: 194.855+/-0.032 χ^2/NDF:3054246.5/34

All: 189.329+/-0.022 χ^2/NDF: 5677771.9/66



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: 8.621+/-6.183 χ^2/NDF:15.2/15

Left: 12.470+/-4.366 χ^2/NDF: 39.0/32

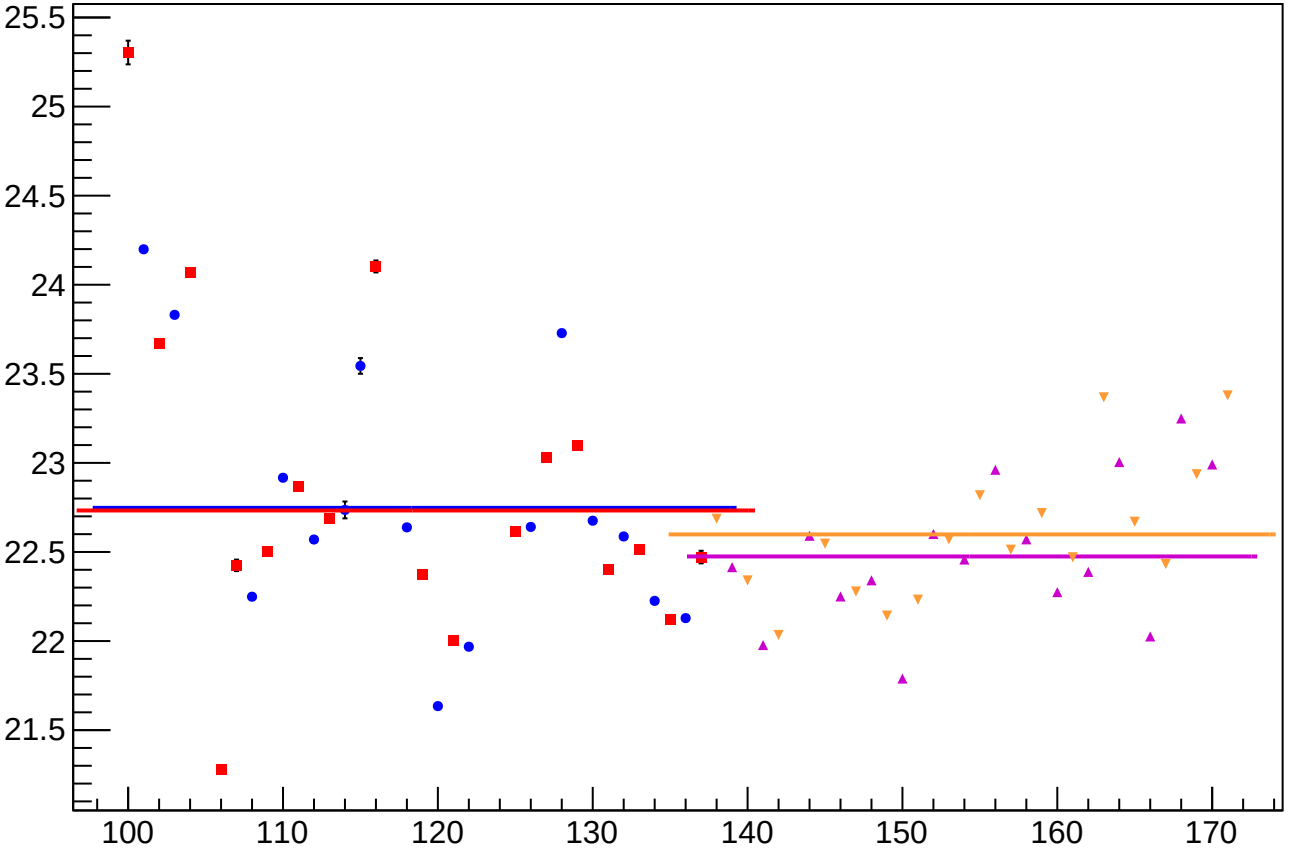
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.582+/-4.991 χ^2/NDF:34.3/31

Out: 17.383+/-4.967 χ^2/NDF:37.7/34

All: 11.014+/-3.521 χ^2/NDF: 75.3/66

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: 22.475+/-0.004 χ^2/NDF:7825.2/15

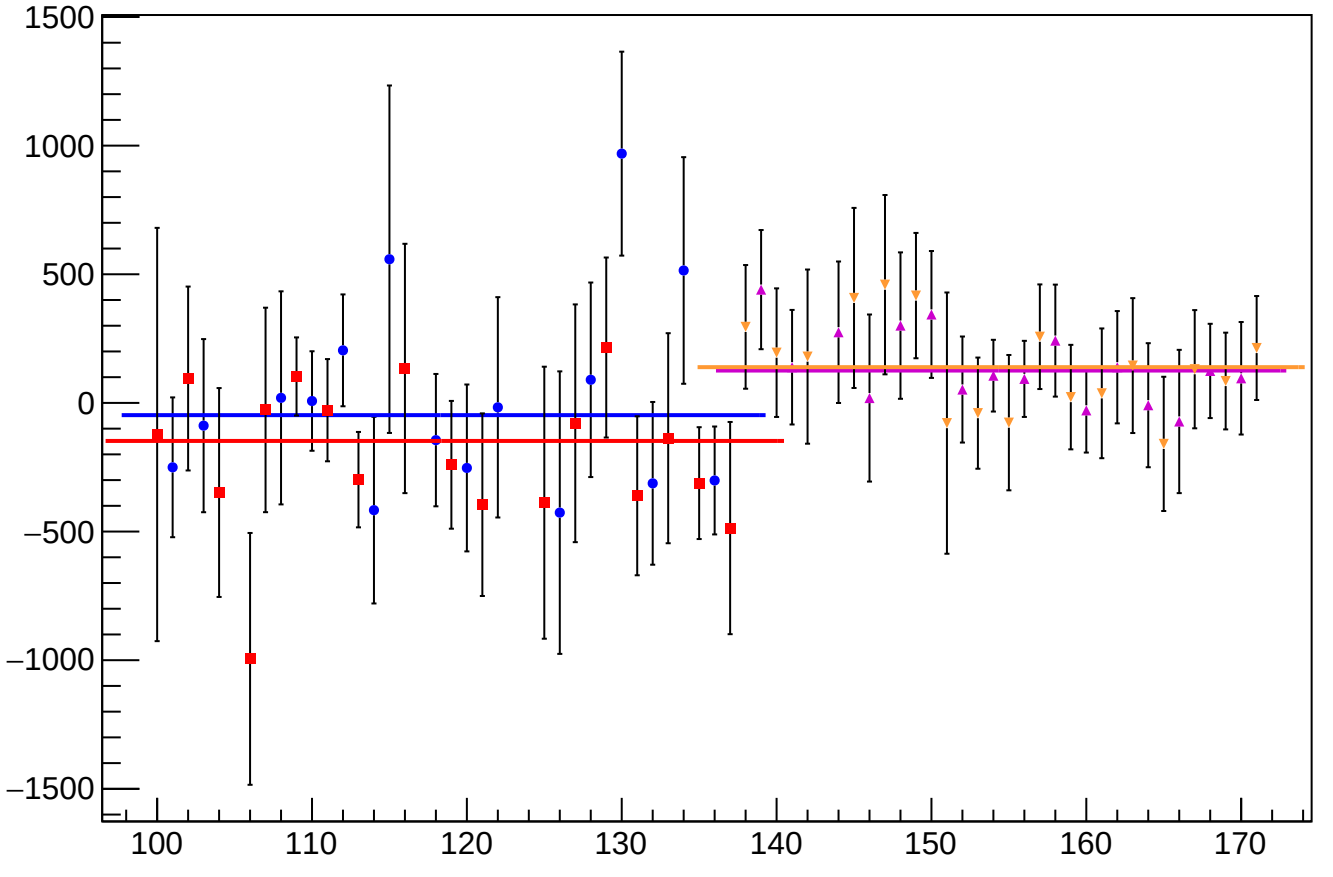
Left: 22.537+/-0.003 χ^2/NDF: 14936.0/32

Right: 22.740+/-0.004 χ^2/NDF: 29015.4/33

In: 22.570+/-0.004 χ^2/NDF:23802.9/31

Out: 22.646+/-0.004 χ^2/NDF:21432.2/34

All: 22.608+/-0.002 χ^2/NDF: 45467.5/66



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: 125.821+/-51.911 χ^2/NDF:5.6/15

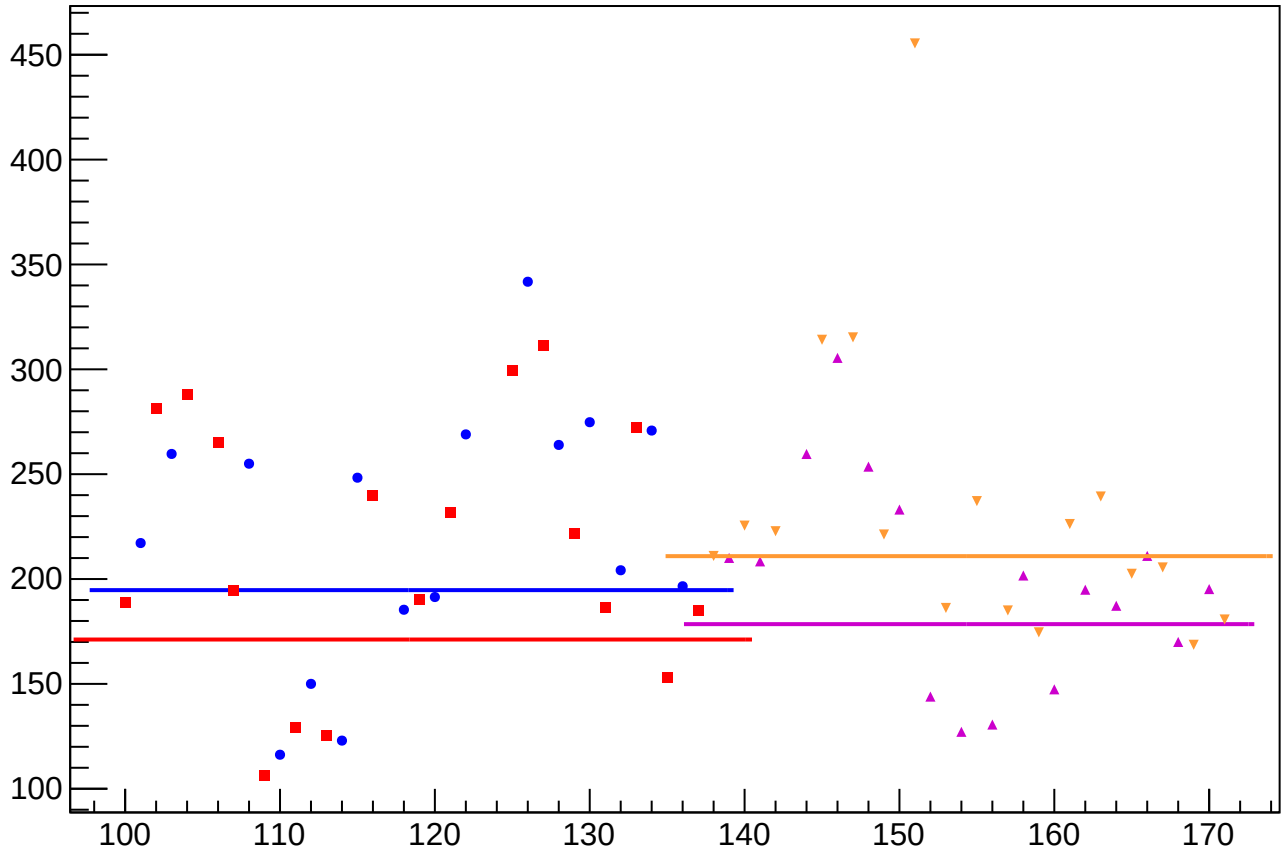
Left: 131.473+/-39.184 χ^2/NDF: 12.8/32

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 71.238+/-42.967 χ^2/NDF:24.5/31

Out: 15.397+/-45.069 χ^2/NDF:28.6/34

All: 44.650+/-31.099 χ^2/NDF: 53.9/66



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: 178.492+/-0.037 χ^2/NDF:1479632.9/15

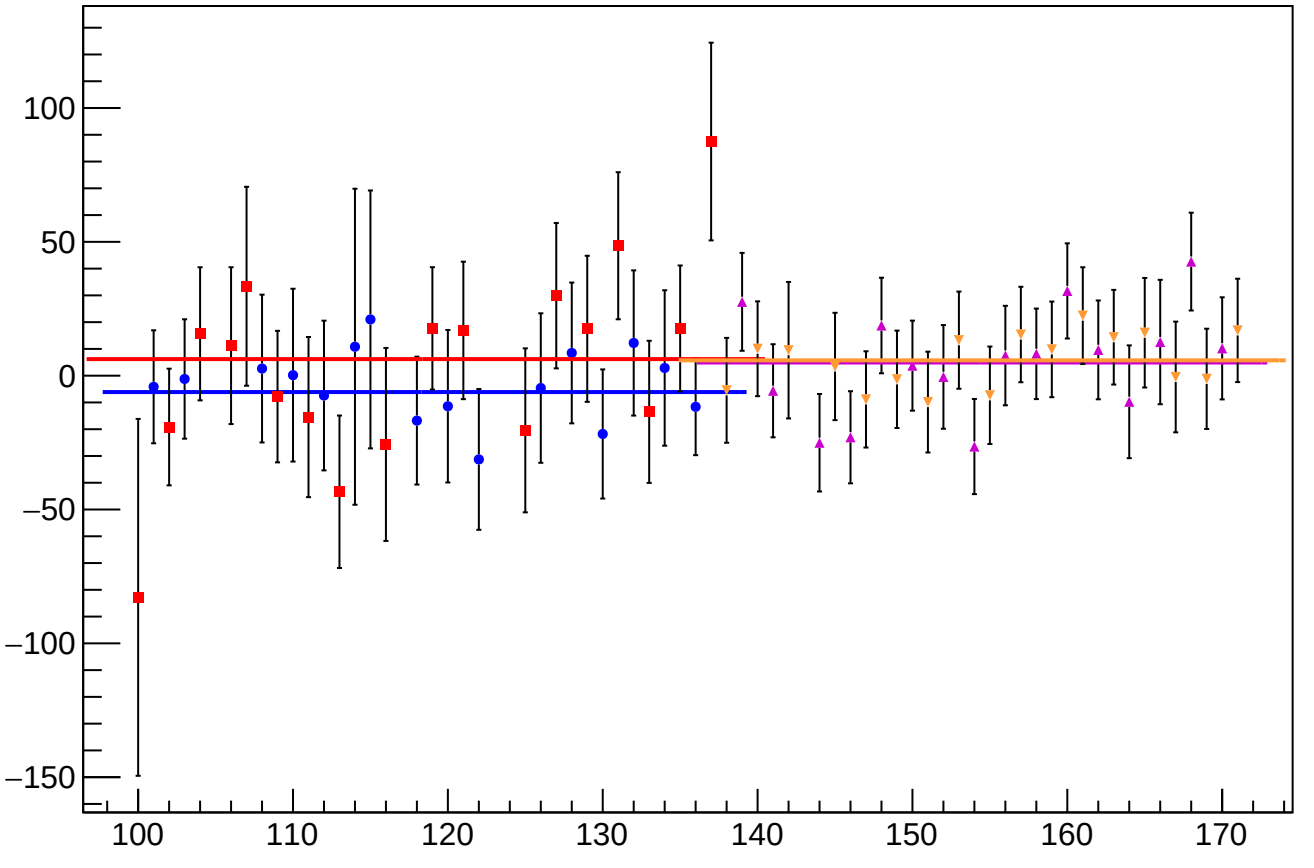
Left: 192.439+/-0.028 χ^2/NDF: 2967199.4/32

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 183.598+/-0.030 χ^2/NDF:2593377.2/31

Out: 193.782+/-0.032 χ^2/NDF:3145517.9/34

All: 188.447+/-0.022 χ^2/NDF: 5792395.1/66



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: 4.915+/-4.587 χ^2/NDF:18.4/15

Left: 5.326+/-3.242 χ^2/NDF: 23.2/32

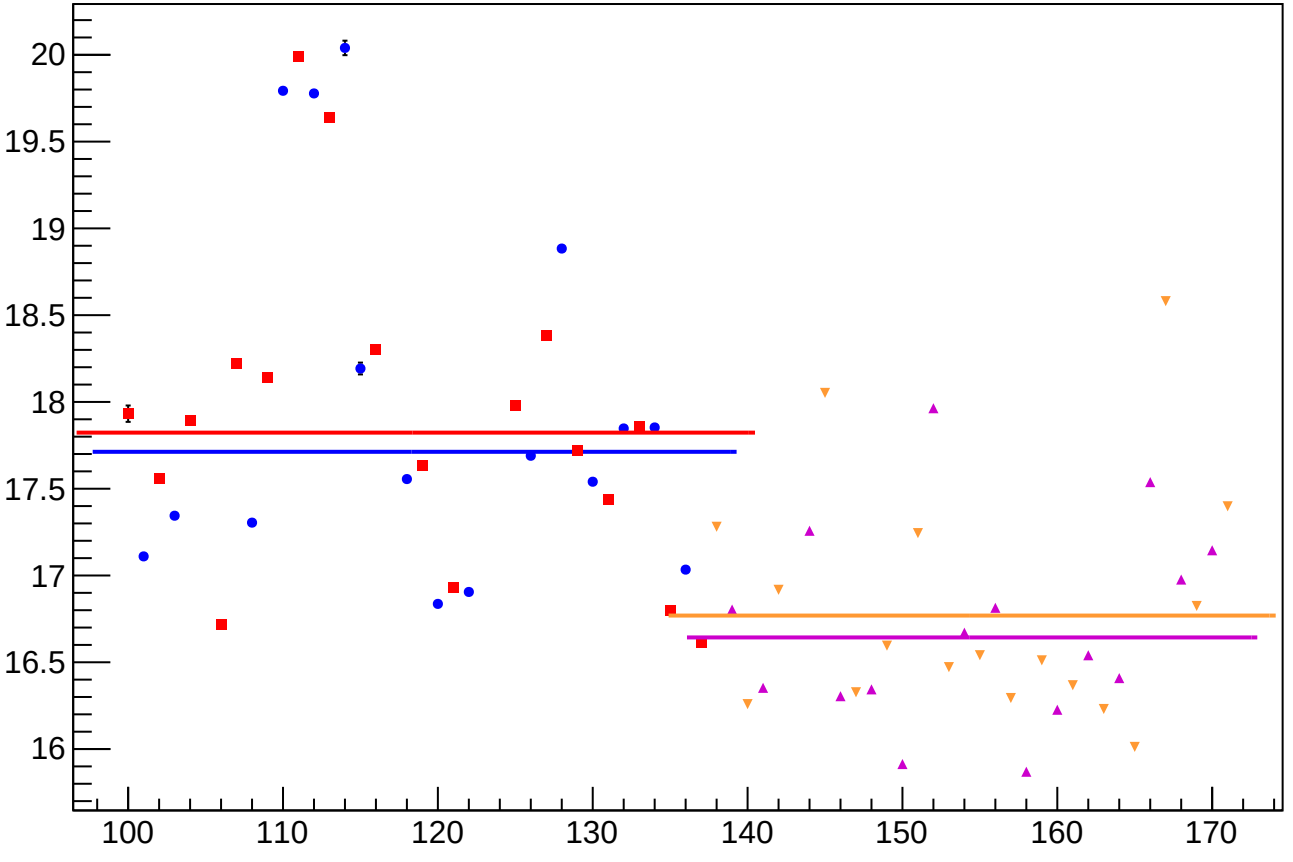
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 1.316+/-3.765 χ^2/NDF:23.4/31

Out: 5.886+/-3.761 χ^2/NDF:23.5/34

All: 3.604+/-2.661 χ^2/NDF: 47.6/66

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.769+/-0.003 χ^2/NDF:39695.0/16

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.643+/-0.003 χ^2/NDF:28175.7/15

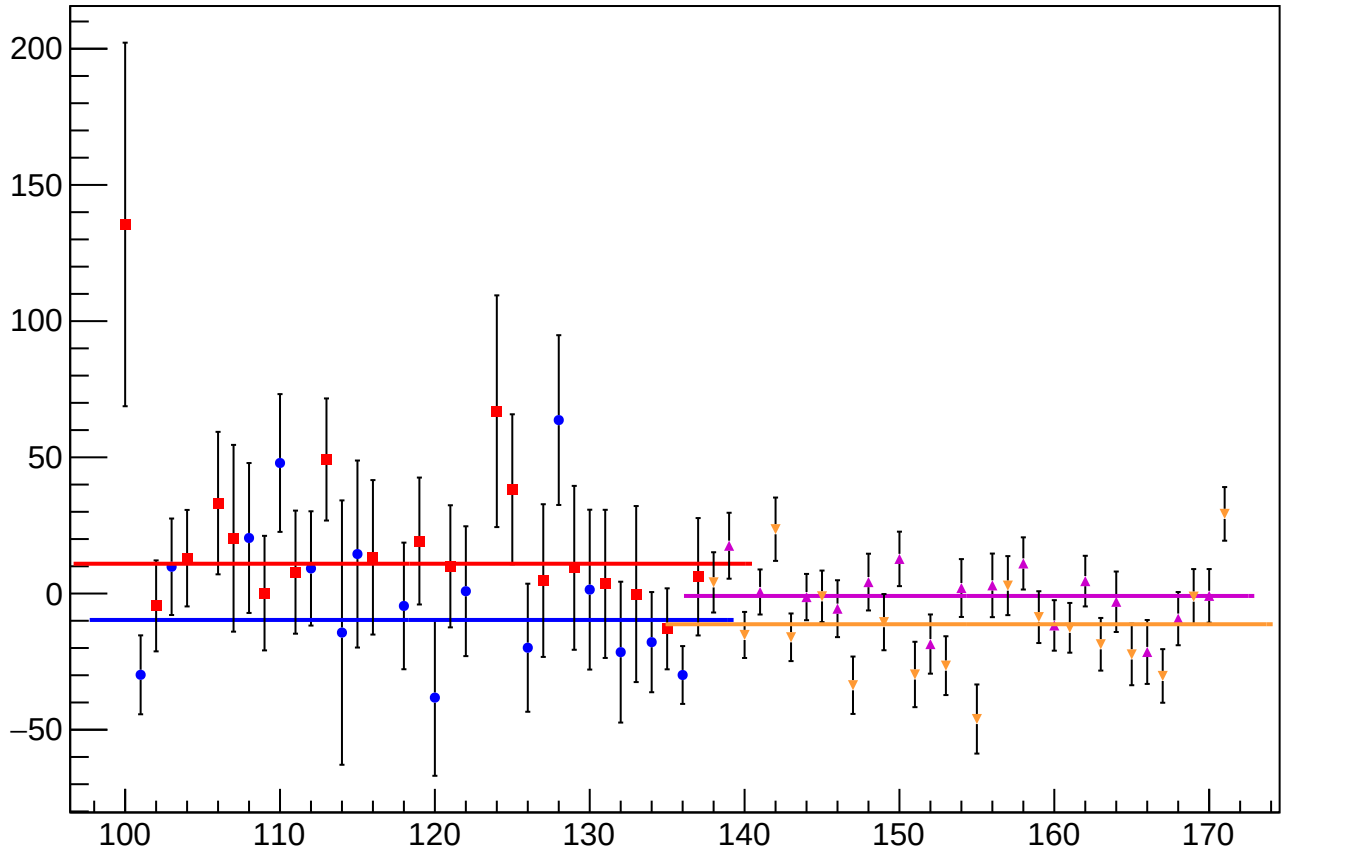
Left: 16.706+/-0.002 χ^2/NDF: 68626.2/32

Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

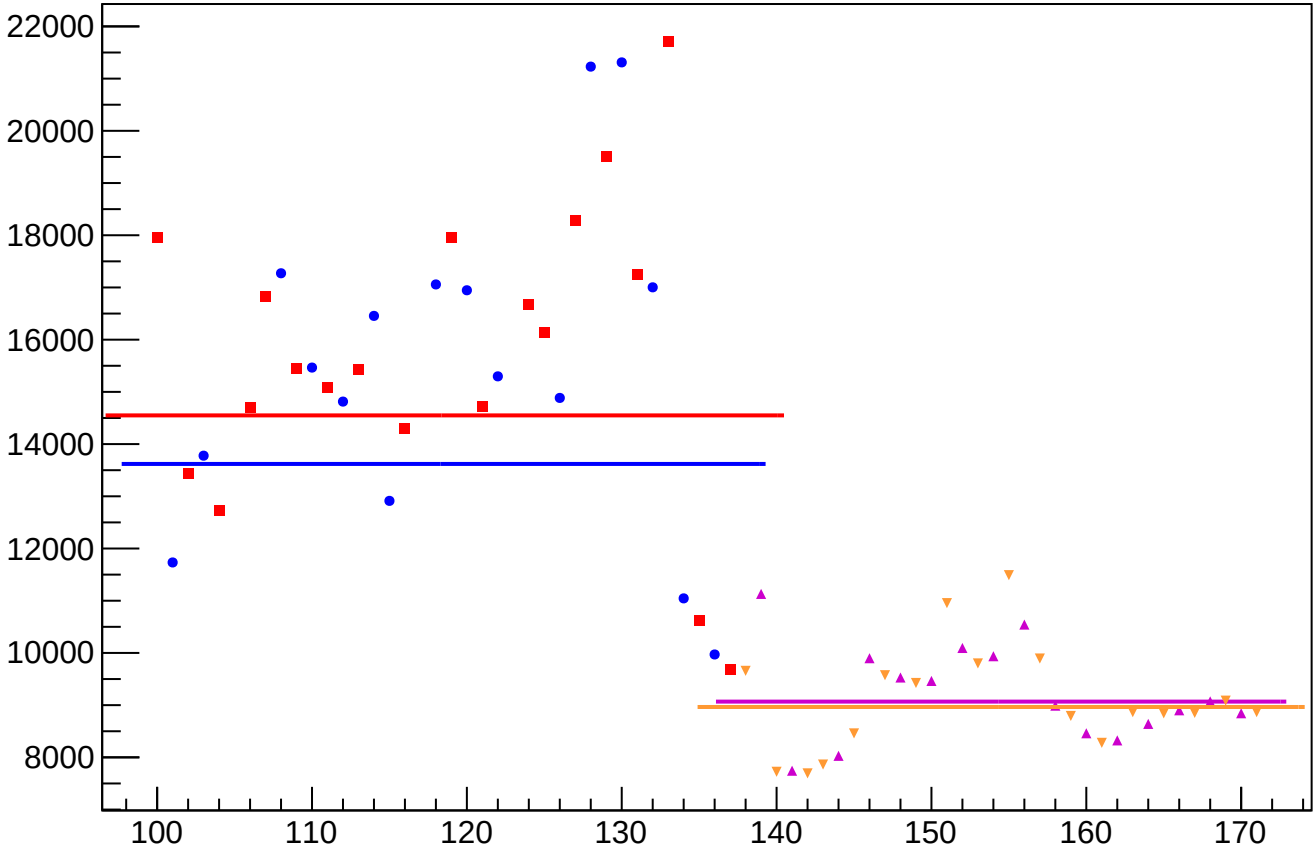
In: 16.992+/-0.003 χ^2/NDF:99631.2/31

Out: 17.113+/-0.003 χ^2/NDF:106753.2/34

All: 17.053+/-0.002 χ^2/NDF: 207425.9/66


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: -0.889+/-2.511 χ²/NDF:14.6/15
Left: -6.327+/-1.733 χ²/NDF: 77.5/33
Right: 0.222+/-3.769 χ²/NDF: 43.6/34
In: -2.539+/-2.264 χ²/NDF:38.9/31
Out: -7.664+/-2.191 χ²/NDF:82.1/36
All: -5.185+/-1.574 χ²/NDF: 123.6/68

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8964.721+/-1.693 χ^2/NDF:296920.4/17

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 9067.783+/-1.775 χ^2/NDF:248005.8/15

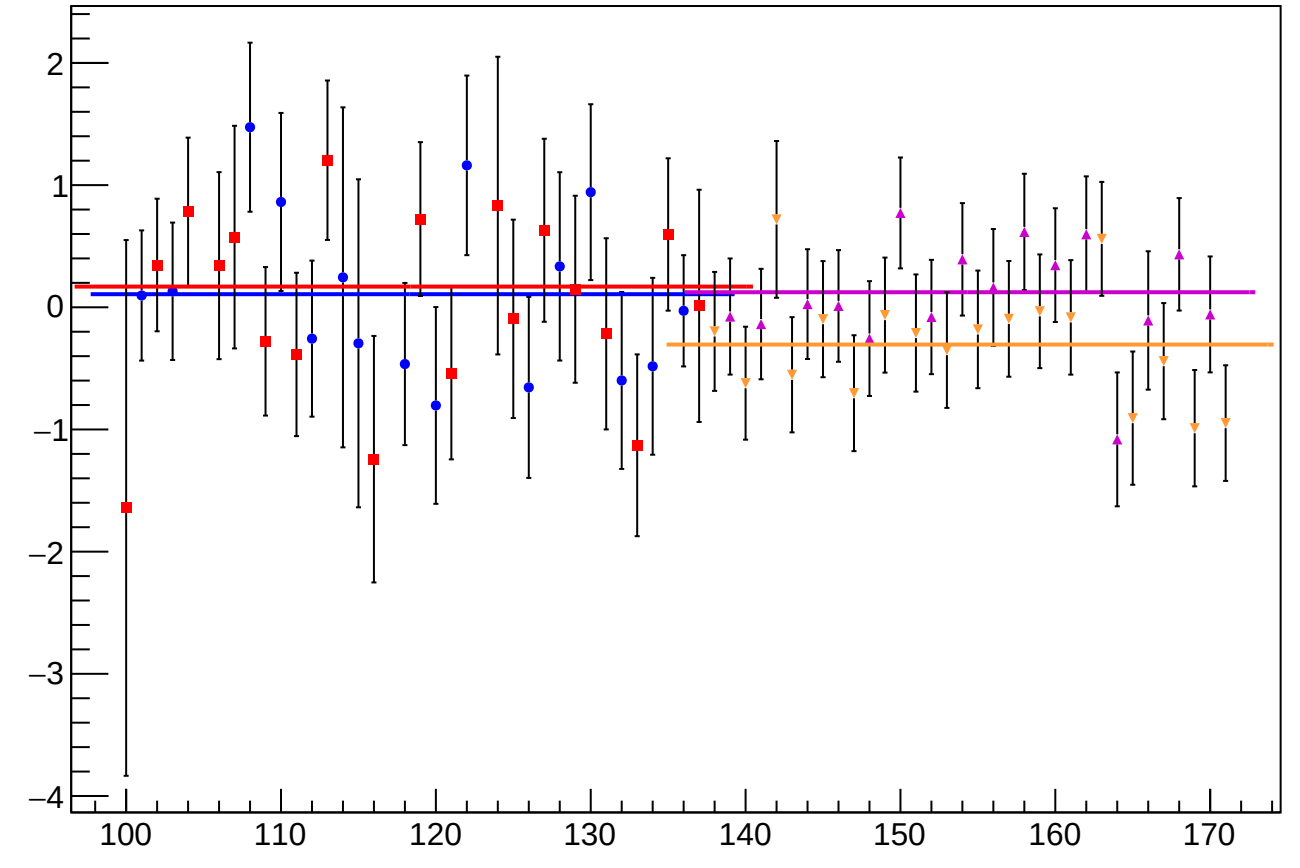
Left: 9013.803+/-1.225 χ^2/NDF: 546691.2/33

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9919.979+/-1.601 χ^2/NDF:2225795.7/31

Out: 9871.967+/-1.549 χ^2/NDF:2620852.4/36

All: 9895.192+/-1.113 χ^2/NDF: 4847112.7/68



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: 0.123+/-0.119 χ^2/NDF:11.7/15

Left: -0.100+/-0.082 χ^2/NDF: 32.6/33

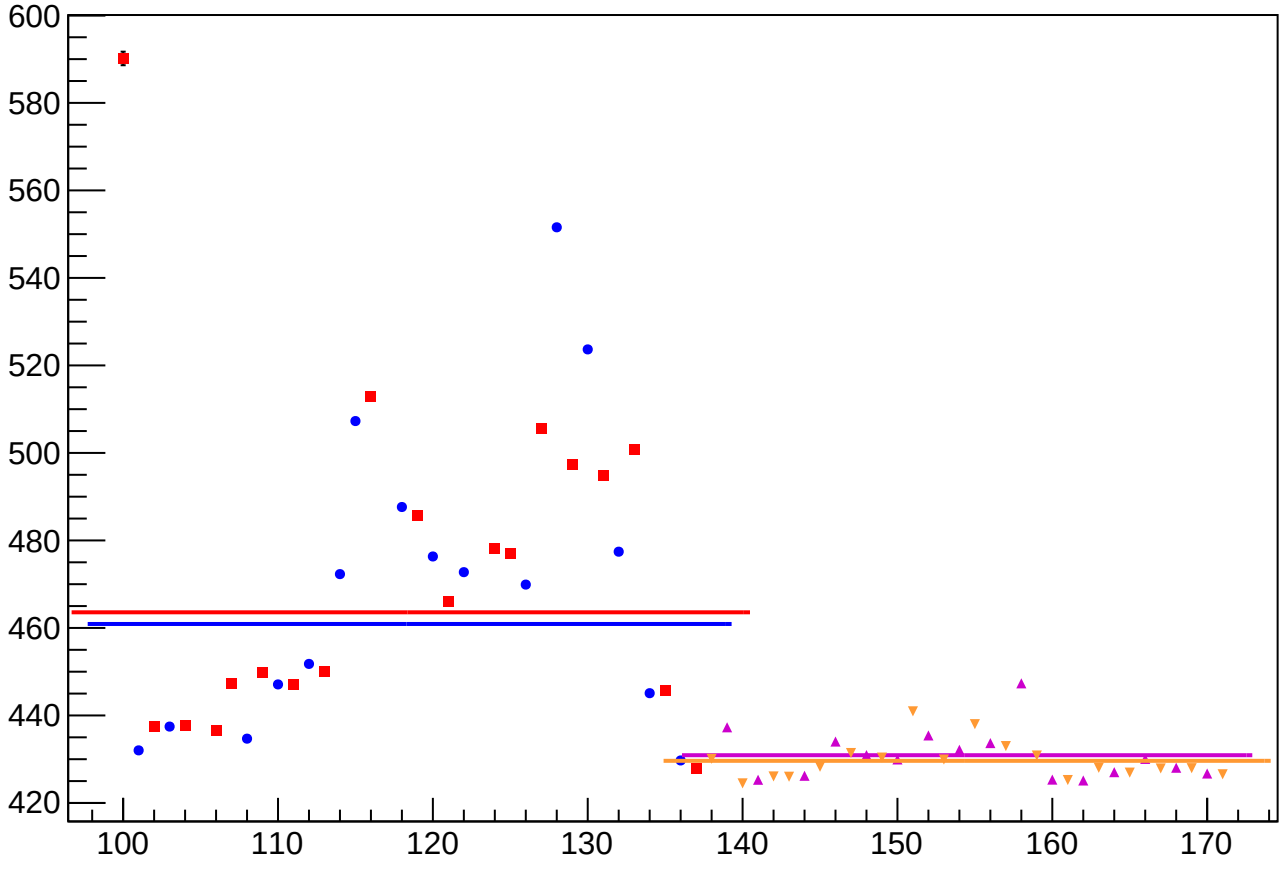
Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.118+/-0.098 χ^2/NDF:25.4/31

Out: -0.158+/-0.094 χ^2/NDF:33.5/36

All: -0.024+/-0.068 χ^2/NDF: 63.1/68

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: 430.914+/-0.084 χ^2/NDF:4557.8/15

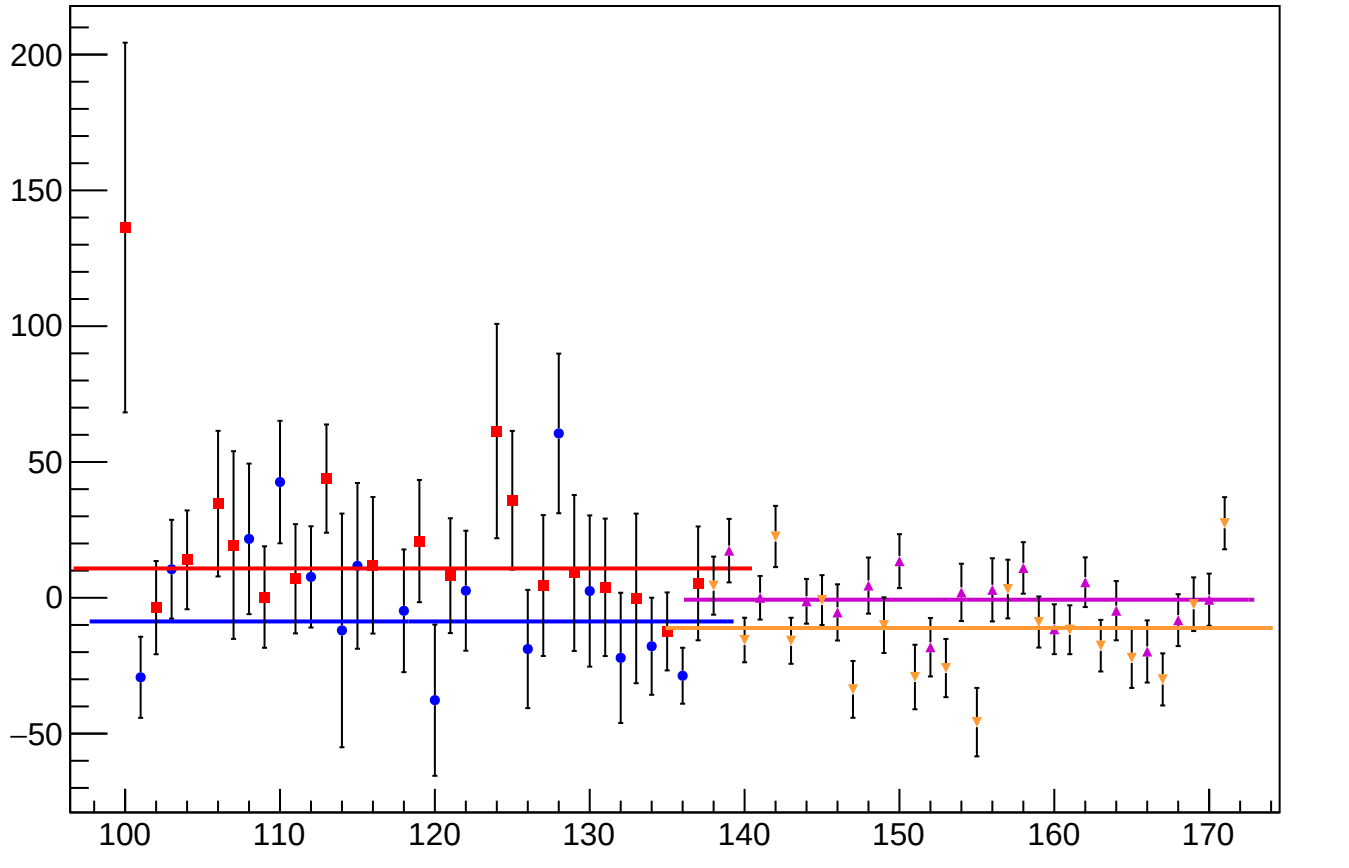
Left: 430.246+/-0.058 χ^2/NDF: 7376.9/33

Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 440.592+/-0.069 χ^2/NDF:120818.1/31

Out: 440.180+/-0.067 χ^2/NDF:110187.4/36

All: 440.379+/-0.048 χ^2/NDF: 231023.8/68



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: -0.702+/-2.467 χ^2/NDF:14.7/15

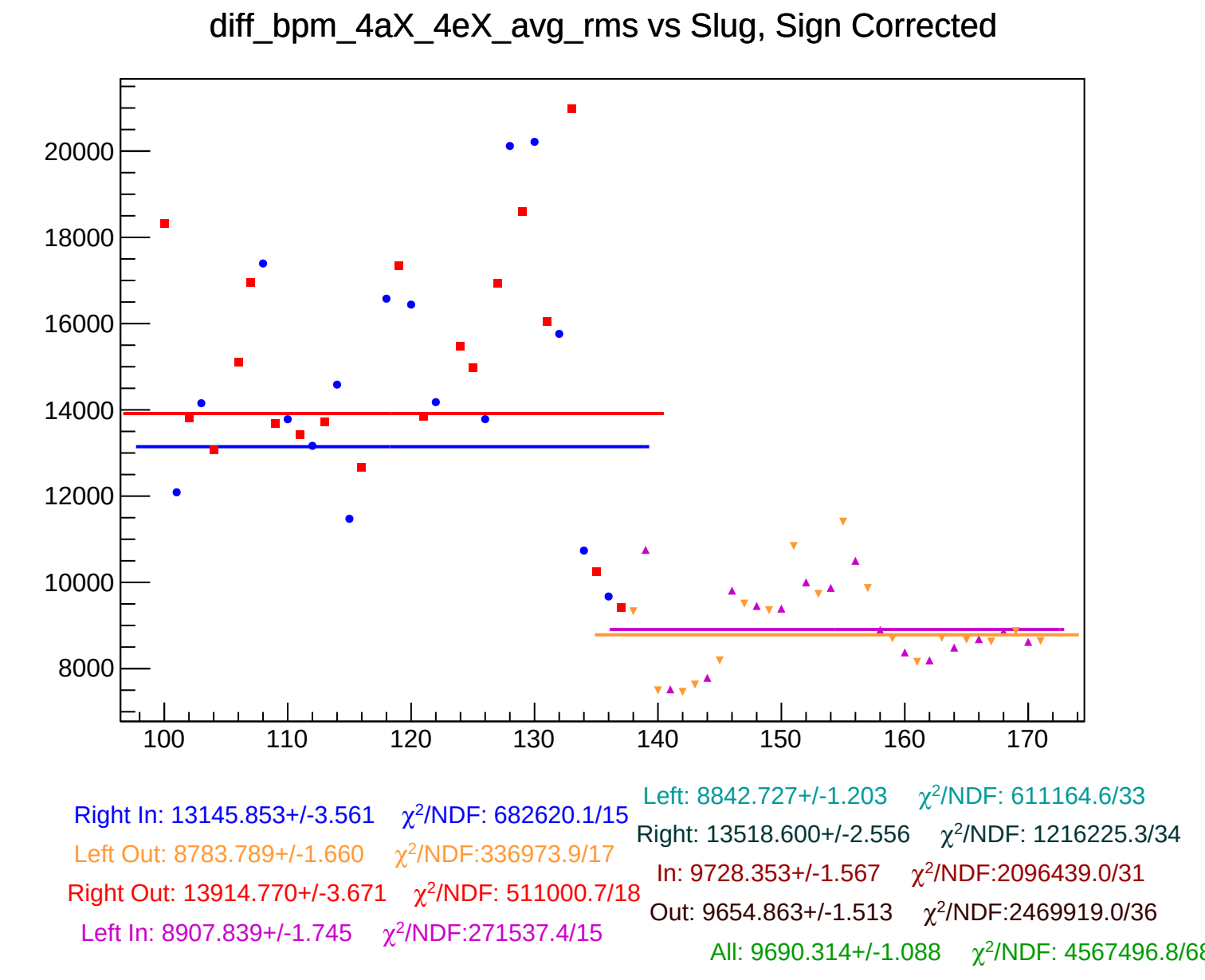
Left: -6.162+/-1.701 χ^2/NDF: 77.5/33

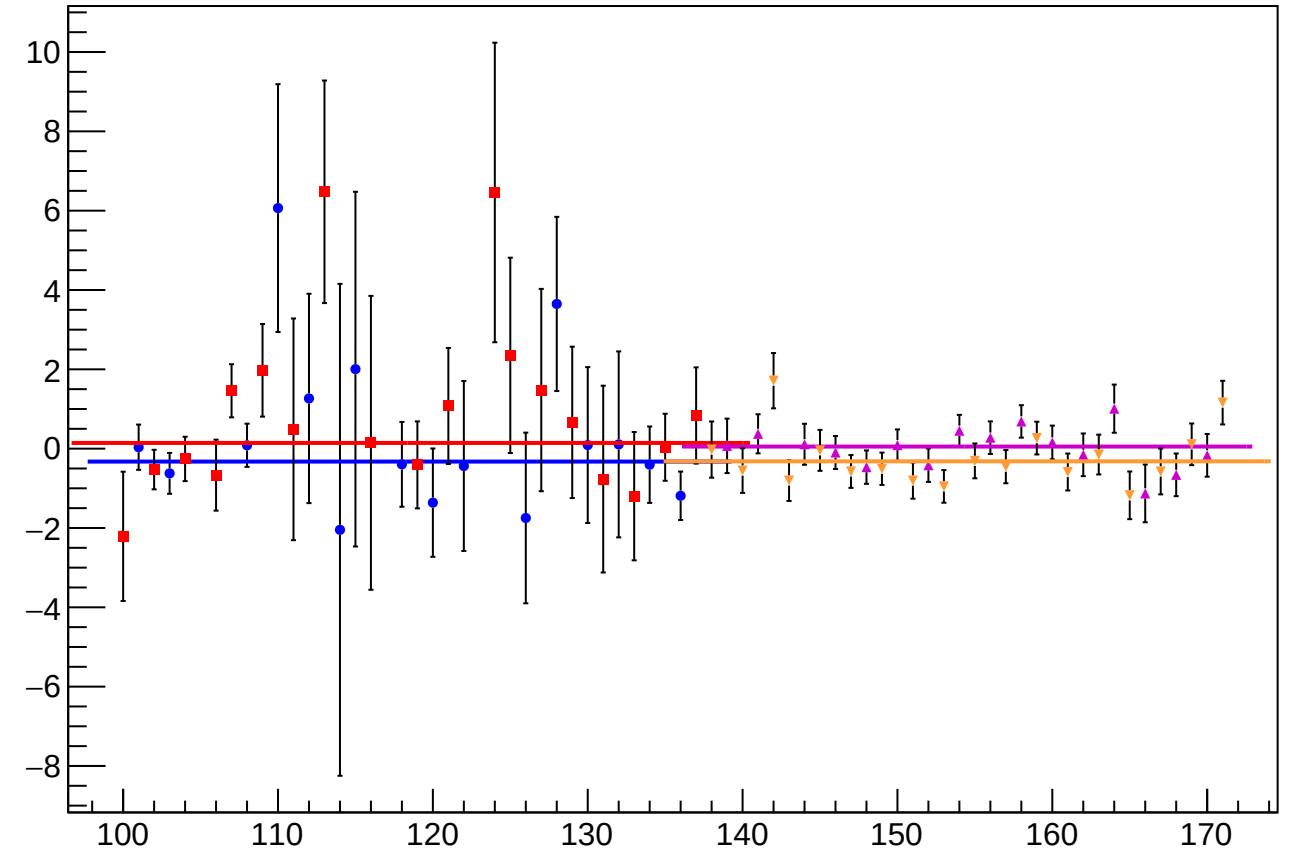
Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -2.252+/-2.216 χ^2/NDF:39.0/31

Out: -7.384+/-2.139 χ^2/NDF:82.1/36

All: -4.908+/-1.539 χ^2/NDF: 123.9/68


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: 8907.839+/-1.745 χ²/NDF:271537.4/15
Left: 8842.727+/-1.203 χ²/NDF: 611164.6/33
Right: 13518.600+/-2.556 χ²/NDF: 1216225.3/34
In: 9728.353+/-1.567 χ²/NDF:2096439.0/31
Out: 9654.863+/-1.513 χ²/NDF:2469919.0/36
All: 9690.314+/-1.088 χ²/NDF: 4567496.8/68



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: 0.053+/-0.118 χ^2/NDF:14.3/15

Left: -0.137+/-0.082 χ^2/NDF: 46.2/33

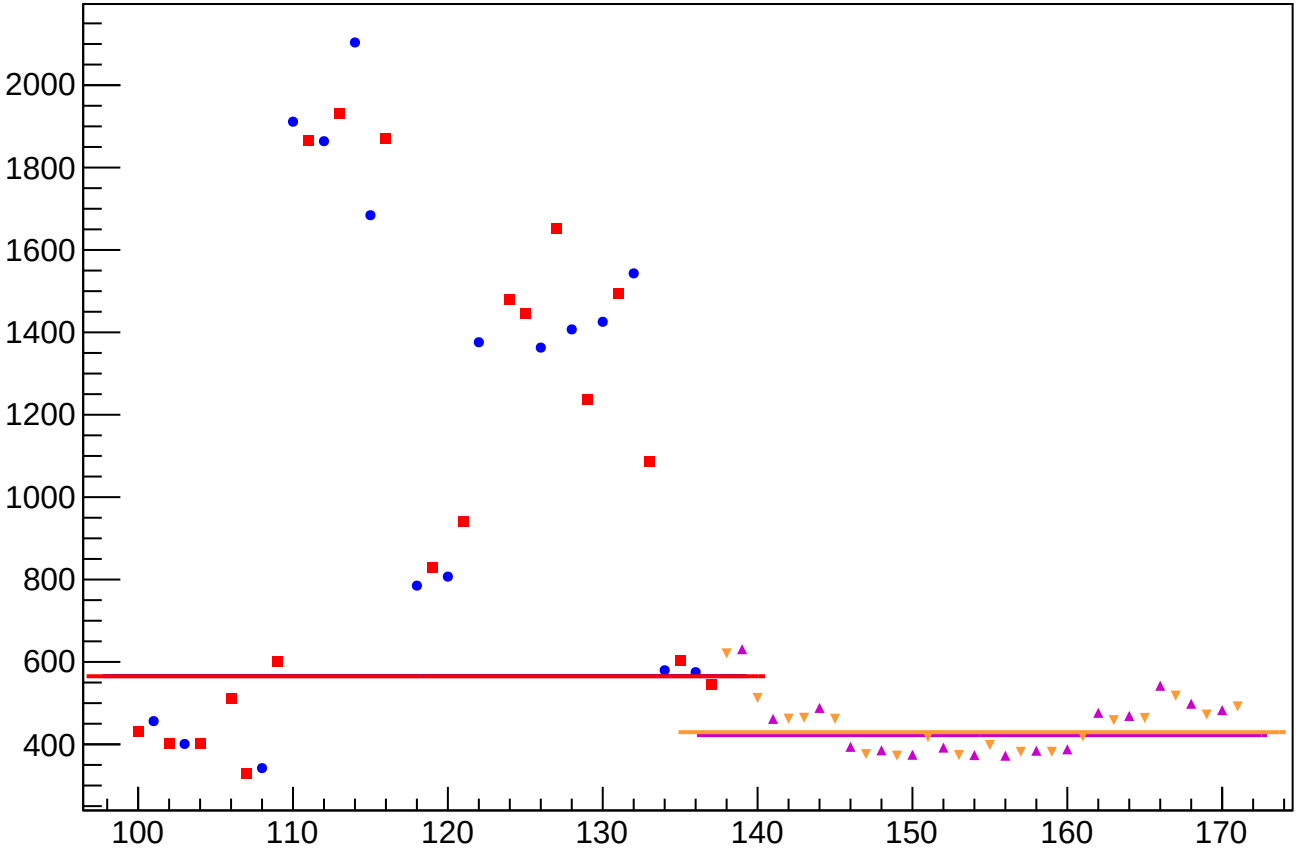
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: -0.019+/-0.106 χ^2/NDF:28.8/31

Out: -0.235+/-0.104 χ^2/NDF:52.2/36

All: -0.129+/-0.074 χ^2/NDF: 83.1/68

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: 422.426+/-0.083 χ^2/NDF:535148.0/15

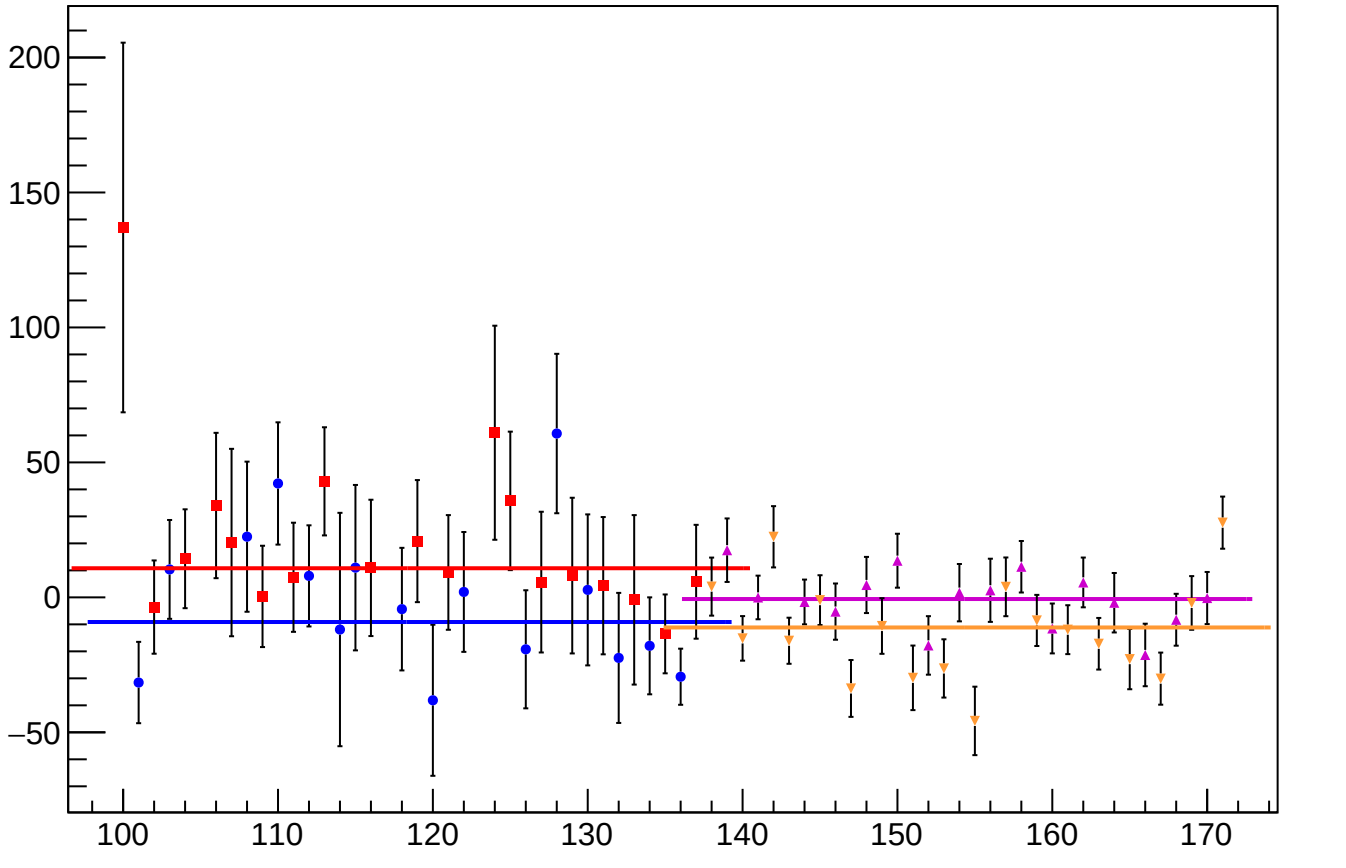
Left: 426.024+/-0.058 χ^2/NDF: 1023218.4/33

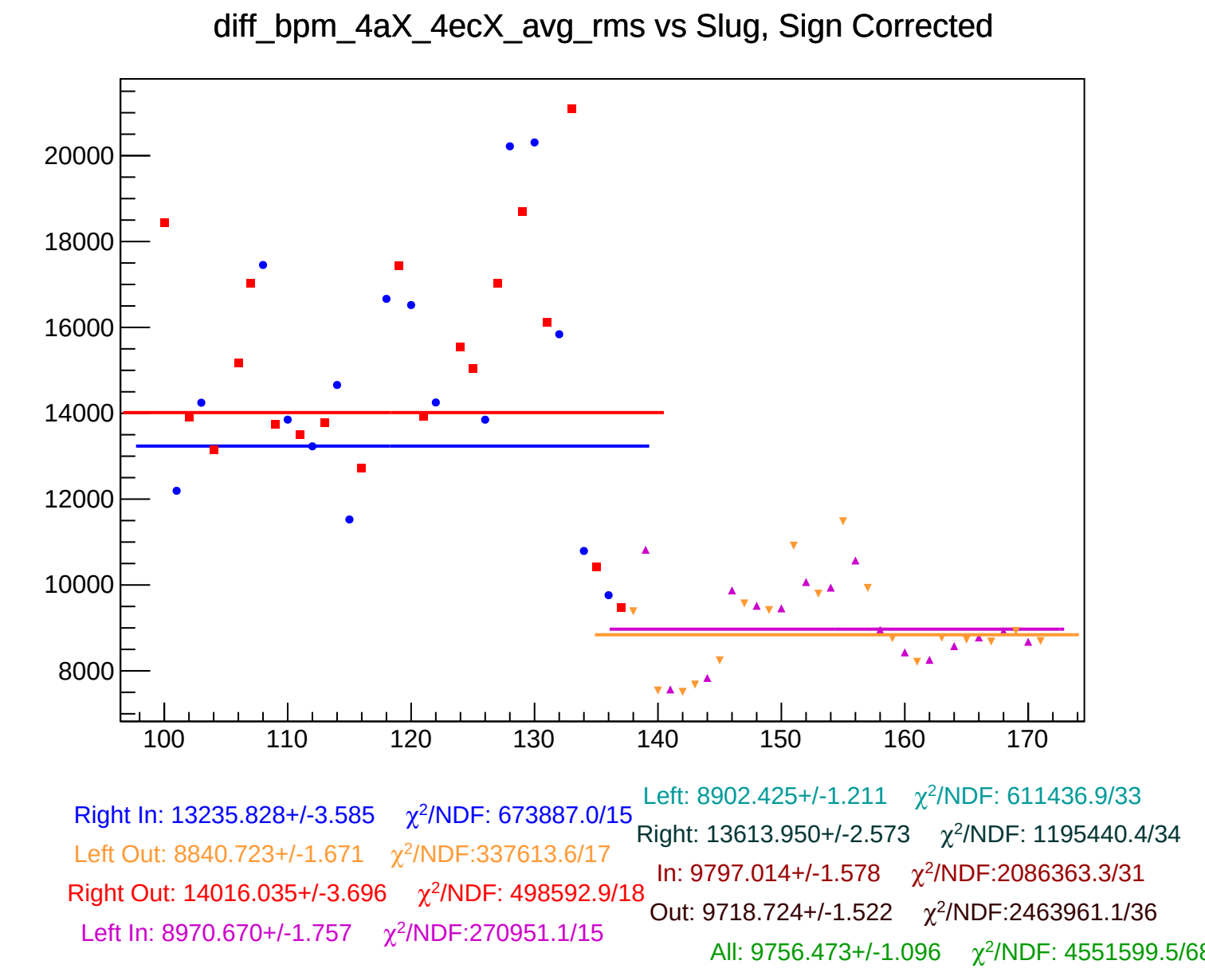
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

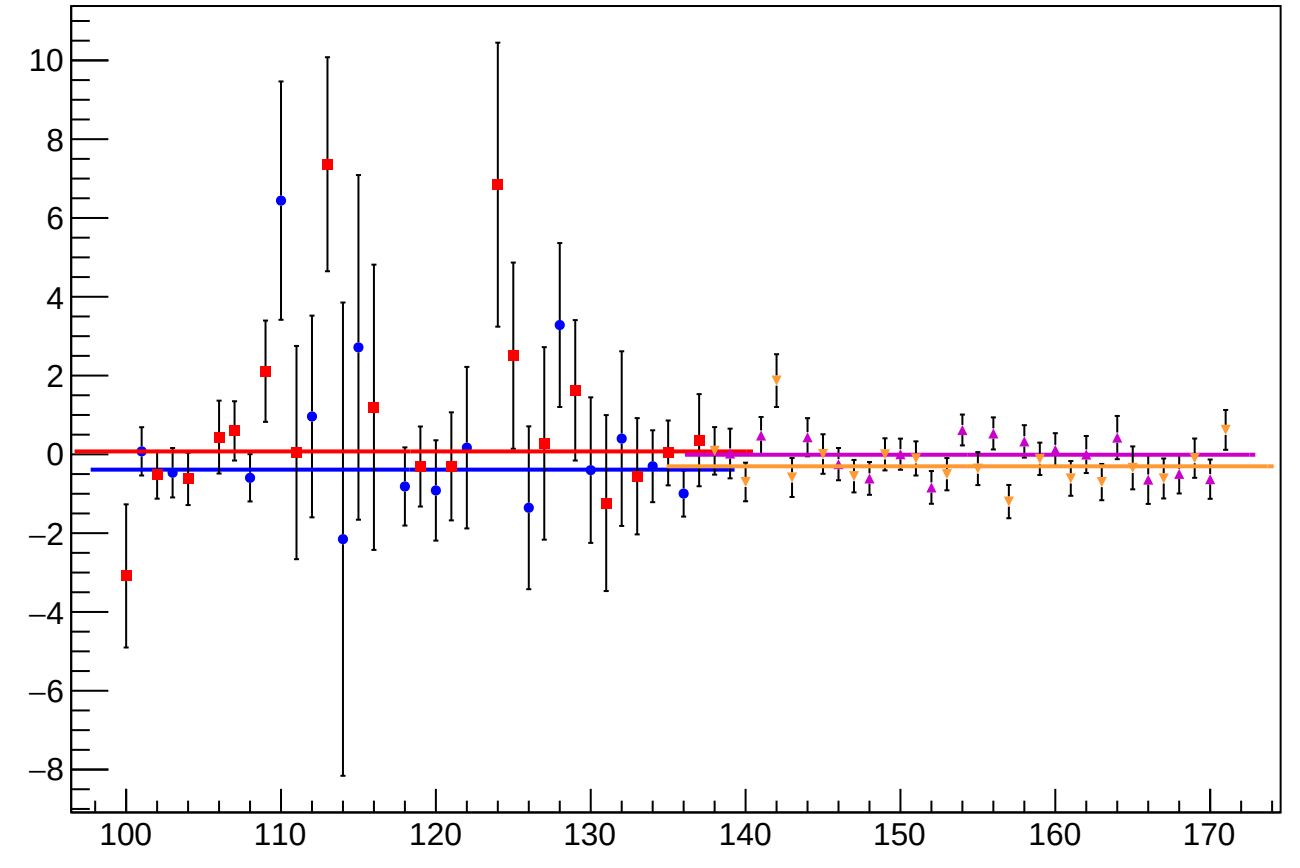
In: 449.443+/-0.075 χ^2/NDF:4543179.7/31

Out: 454.142+/-0.074 χ^2/NDF:4561105.5/36

All: 451.835+/-0.053 χ^2/NDF: 9106282.8/68


diff_bpm_4aX_4ecX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -9.130+/-5.069 χ²/NDF: 22.7/15
Left Out: -11.152+/-2.363 χ²/NDF:53.4/17
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: -0.615+/-2.485 χ²/NDF:14.8/15
Left: -6.148+/-1.712 χ²/NDF: 77.6/33
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -2.265+/-2.231 χ²/NDF:39.8/31
Out: -7.430+/-2.153 χ²/NDF:81.7/36
All: -4.939+/-1.549 χ²/NDF: 124.2/68


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8840.723+/-1.671 χ²/NDF:337613.6/17
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8970.670+/-1.757 χ²/NDF:270951.1/15
Left: 8902.425+/-1.211 χ²/NDF: 611436.9/33
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9797.014+/-1.578 χ²/NDF:2086363.3/31
Out: 9718.724+/-1.522 χ²/NDF:2463961.1/36
All: 9756.473+/-1.096 χ²/NDF: 4551599.5/68



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: -0.009+/-0.113 χ^2/NDF:17.6/15

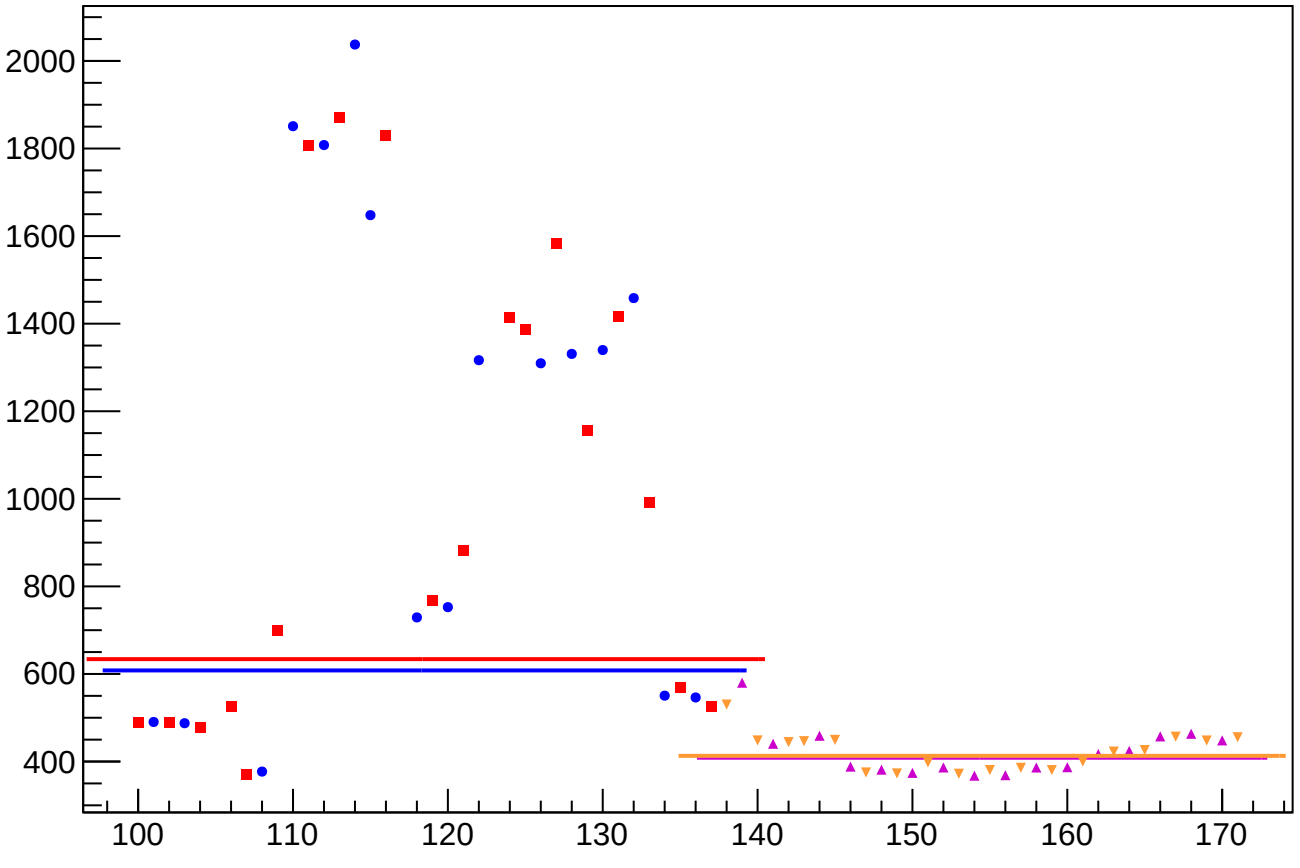
Left: -0.161+/-0.079 χ^2/NDF: 44.7/33

Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.072+/-0.104 χ^2/NDF:31.1/31

Out: -0.248+/-0.102 χ^2/NDF:47.0/36

All: -0.161+/-0.073 χ^2/NDF: 79.6/68



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: 408.710+/-0.080 χ^2/NDF:316493.2/15

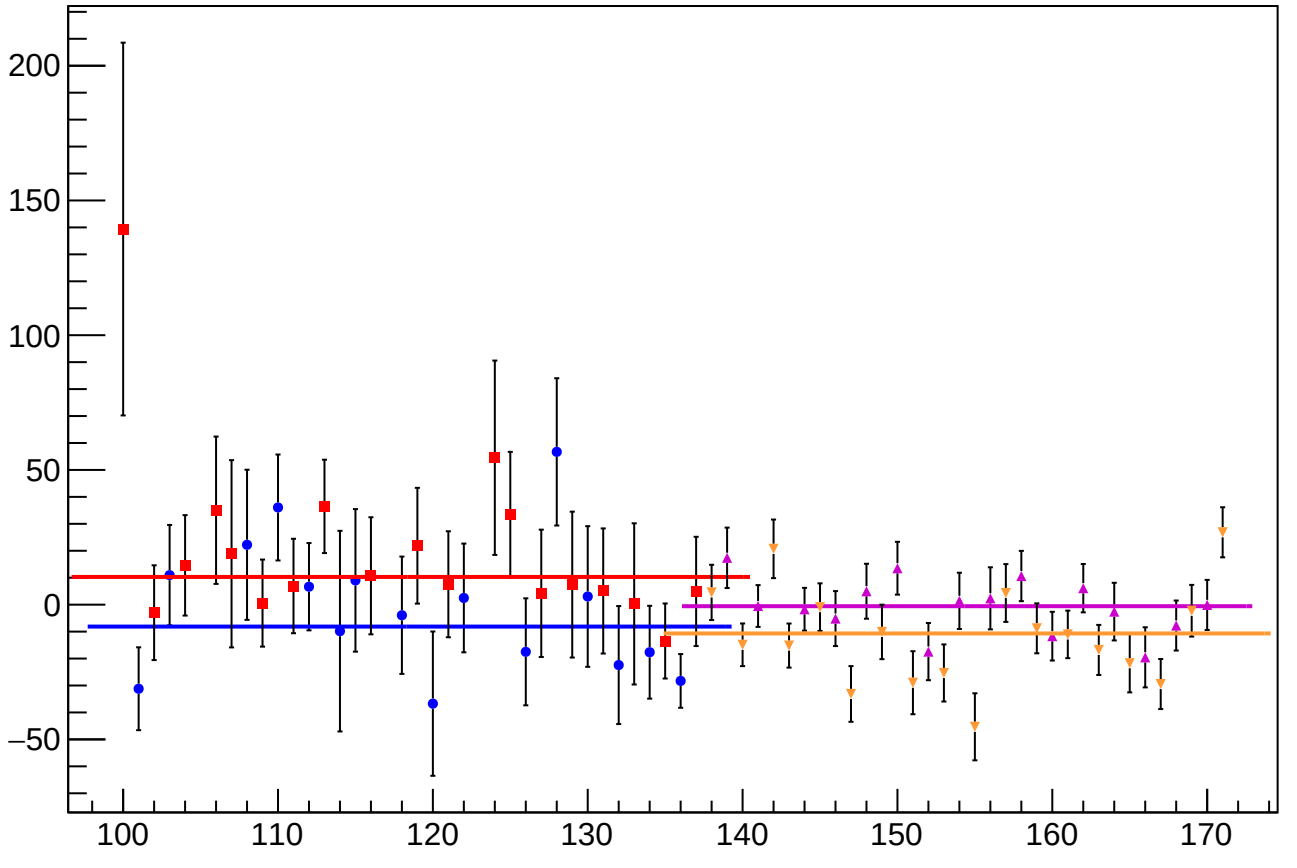
Left: 410.924+/-0.056 χ^2/NDF: 562135.3/33

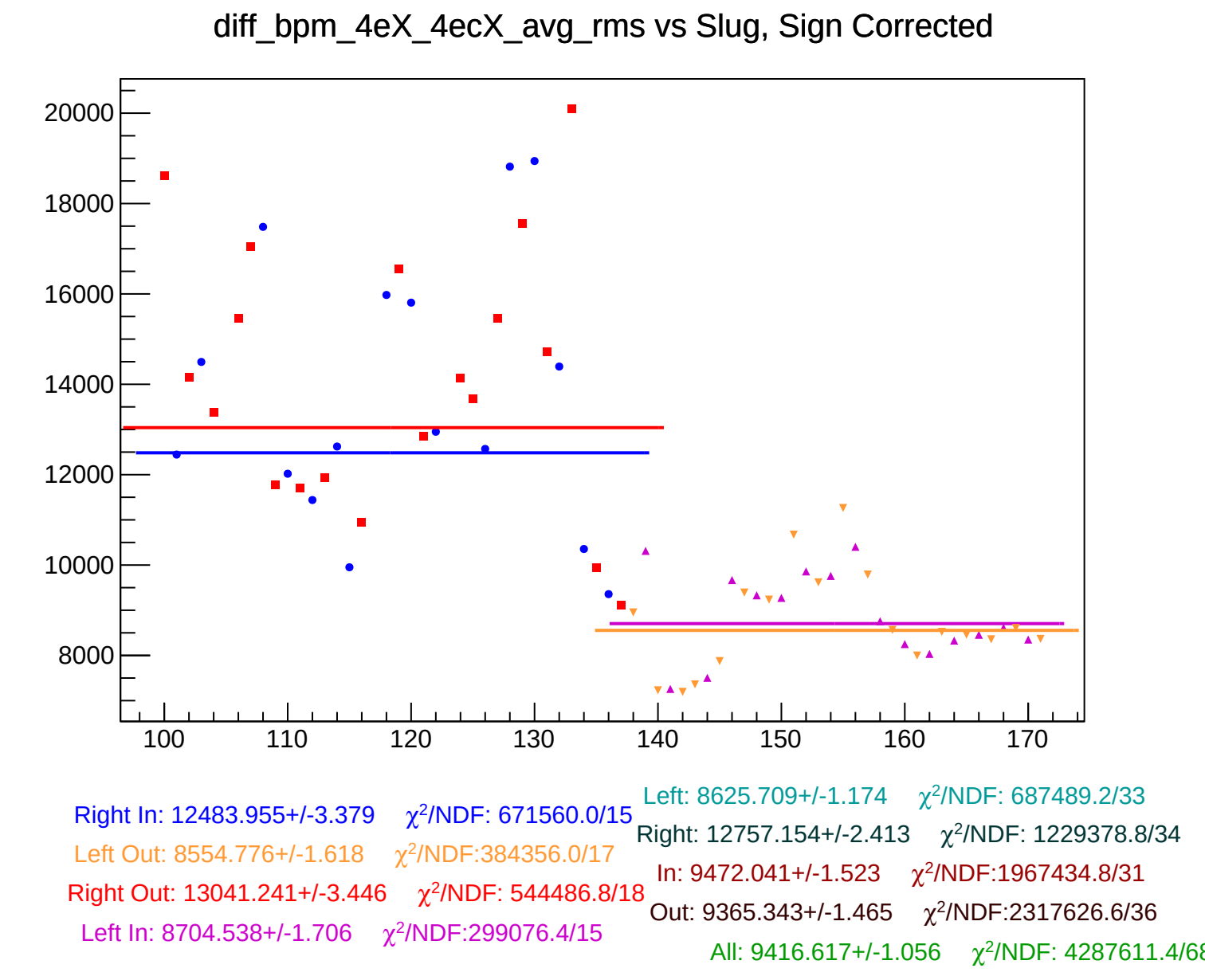
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

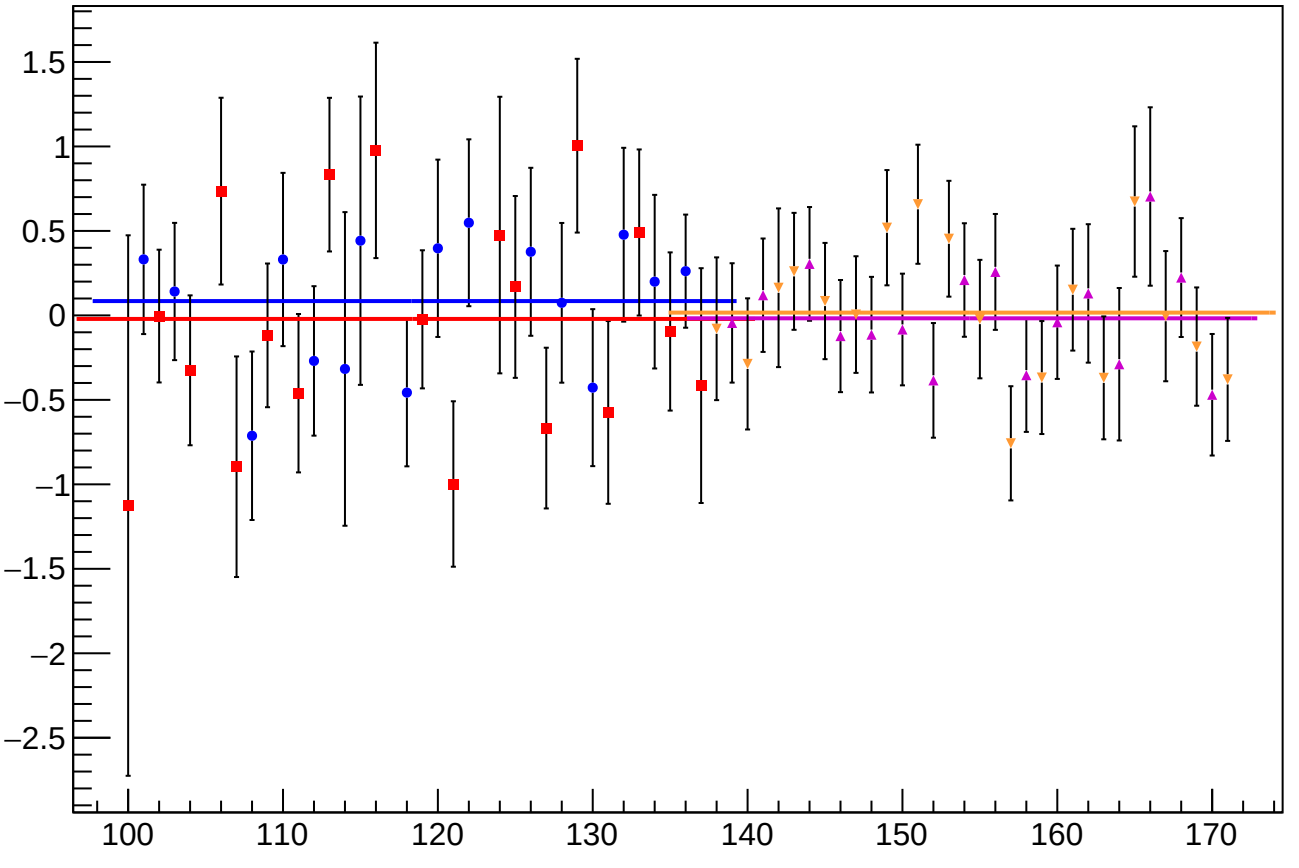
In: 441.460+/-0.073 χ^2/NDF:4185154.4/31

Out: 445.566+/-0.072 χ^2/NDF:4221511.3/36

All: 443.555+/-0.051 χ^2/NDF: 8408267.1/68


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: -0.569+/-2.412 χ²/NDF:14.8/15
Left: -5.892+/-1.660 χ²/NDF: 77.9/33
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -2.105+/-2.154 χ²/NDF:39.9/31
Out: -6.893+/-2.071 χ²/NDF:82.7/36
All: -4.592+/-1.493 χ²/NDF: 125.2/68


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: 8704.538+/-1.706 χ²/NDF:299076.4/15
Left: 8625.709+/-1.174 χ²/NDF: 687489.2/33
Right: 12757.154+/-2.413 χ²/NDF: 1229378.8/34
In: 9472.041+/-1.523 χ²/NDF:1967434.8/31
Out: 9365.343+/-1.465 χ²/NDF:2317626.6/36
All: 9416.617+/-1.056 χ²/NDF: 4287611.4/68



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: -0.017+/-0.089 χ^2/NDF:9.0/15

Left: 0.000+/-0.062 χ^2/NDF: 29.0/33

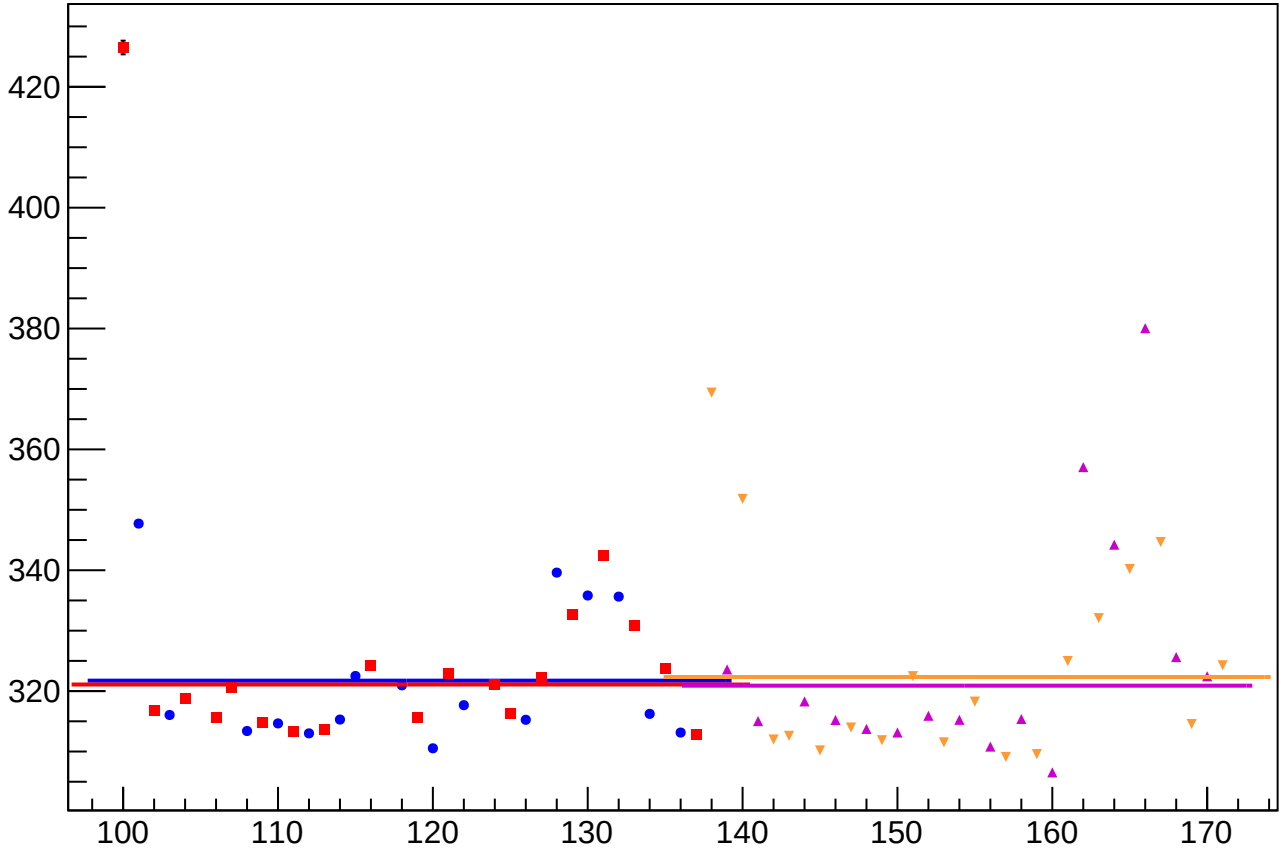
Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.019+/-0.071 χ^2/NDF:18.8/31

Out: 0.003+/-0.069 χ^2/NDF:44.3/36

All: 0.011+/-0.050 χ^2/NDF: 63.2/68

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



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: 320.899+/-0.063 χ^2/NDF:56757.1/15

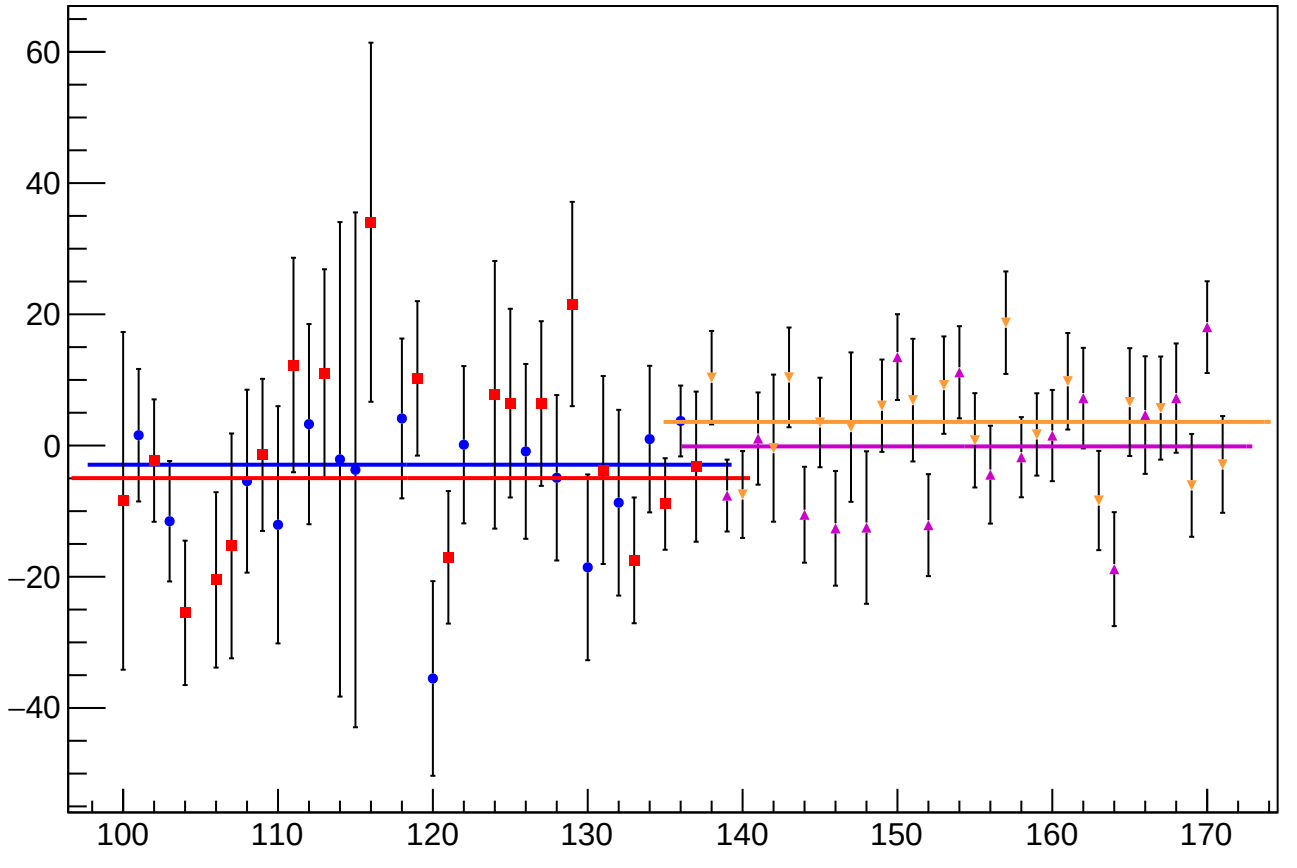
Left: 321.641+/-0.044 χ^2/NDF: 122247.5/33

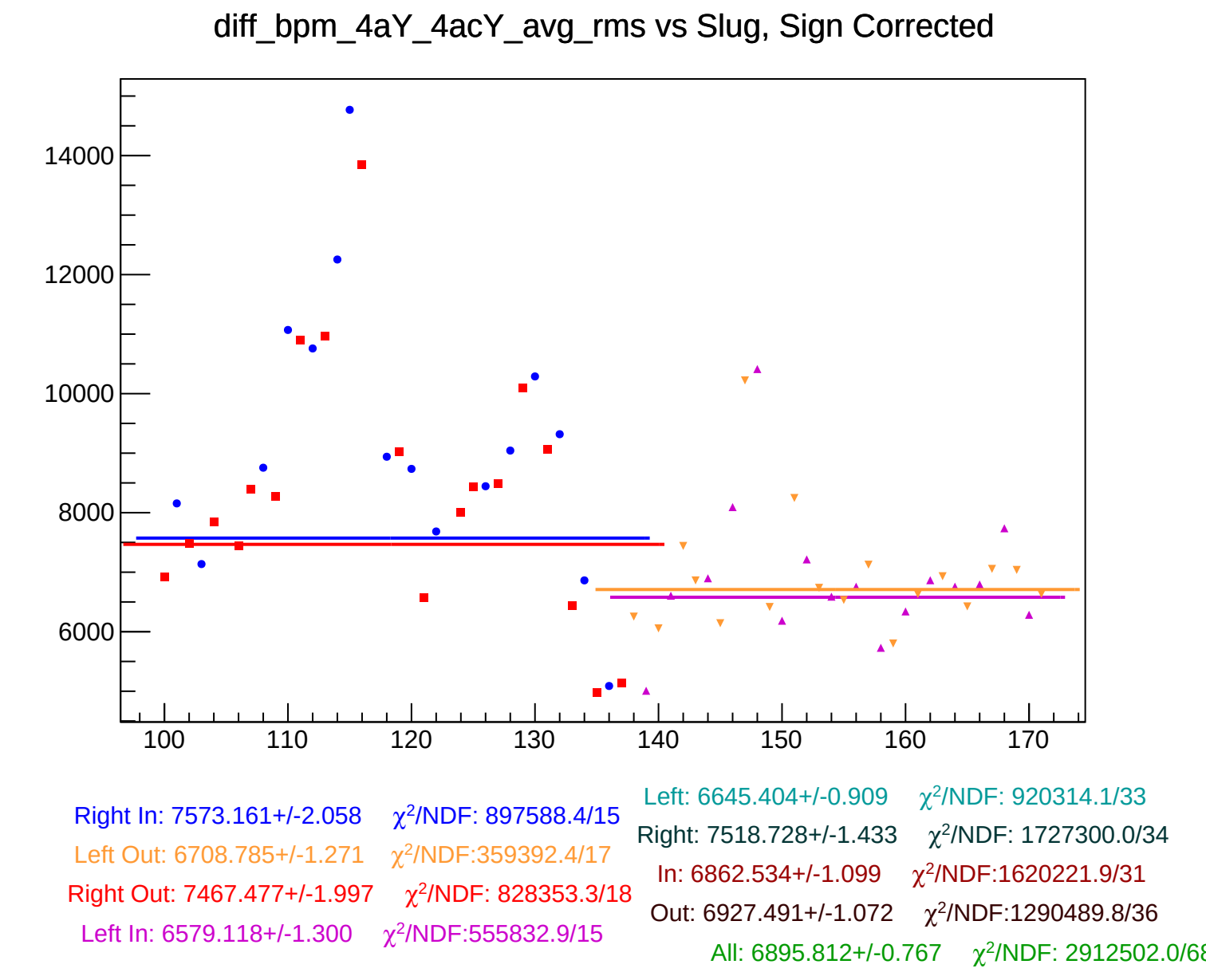
Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

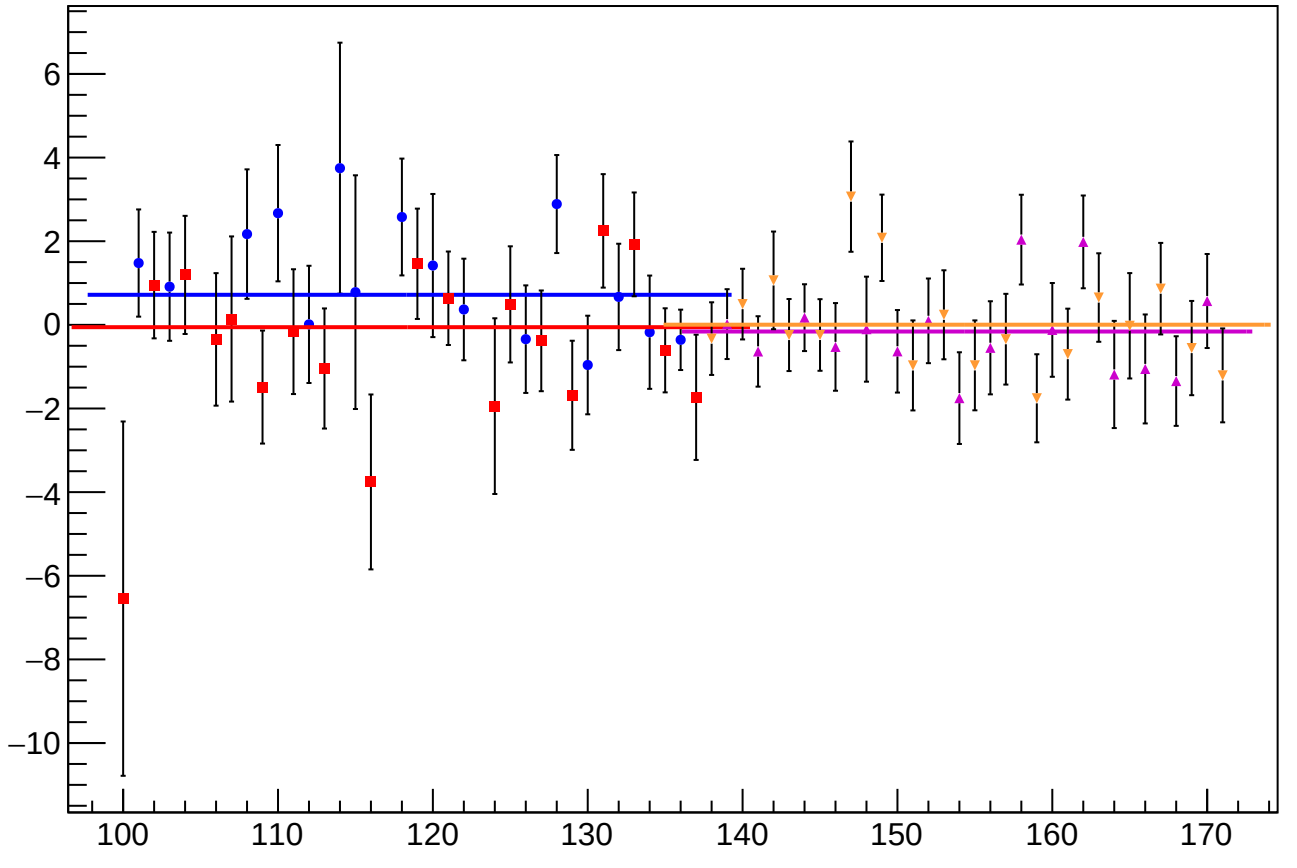
In: 321.192+/-0.051 χ^2/NDF:75033.2/31

Out: 321.901+/-0.049 χ^2/NDF:81945.7/36

All: 321.557+/-0.035 χ^2/NDF: 157080.4/68


diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.922+/-2.910 χ²/NDF: 9.8/15
Left Out: 3.601+/-1.797 χ²/NDF:15.2/17
Right Out: -4.965+/-2.824 χ²/NDF: 19.4/18
Left In: -0.133+/-1.838 χ²/NDF:30.2/15
Left: 1.776+/-1.285 χ²/NDF: 47.5/33
Right: -3.974+/-2.027 χ²/NDF: 29.5/34
In: -0.928+/-1.554 χ²/NDF:40.7/31
Out: 1.132+/-1.516 χ²/NDF:41.1/36
All: 0.127+/-1.085 χ²/NDF: 82.8/68


diff_bpm_4aY_4acY_avg_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 7573.161+/-2.058 χ²/NDF: 897588.4/15
Left Out: 6708.785+/-1.271 χ²/NDF:359392.4/17
Right Out: 7467.477+/-1.997 χ²/NDF: 828353.3/18
Left In: 6579.118+/-1.300 χ²/NDF:555832.9/15
Left: 6645.404+/-0.909 χ²/NDF: 920314.1/33
Right: 7518.728+/-1.433 χ²/NDF: 1727300.0/34
In: 6862.534+/-1.099 χ²/NDF:1620221.9/31
Out: 6927.491+/-1.072 χ²/NDF:1290489.8/36
All: 6895.812+/-0.767 χ²/NDF: 2912502.0/68



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: -0.159+/-0.259 χ^2/NDF:13.9/15

Left: -0.073+/-0.177 χ^2/NDF: 32.4/33

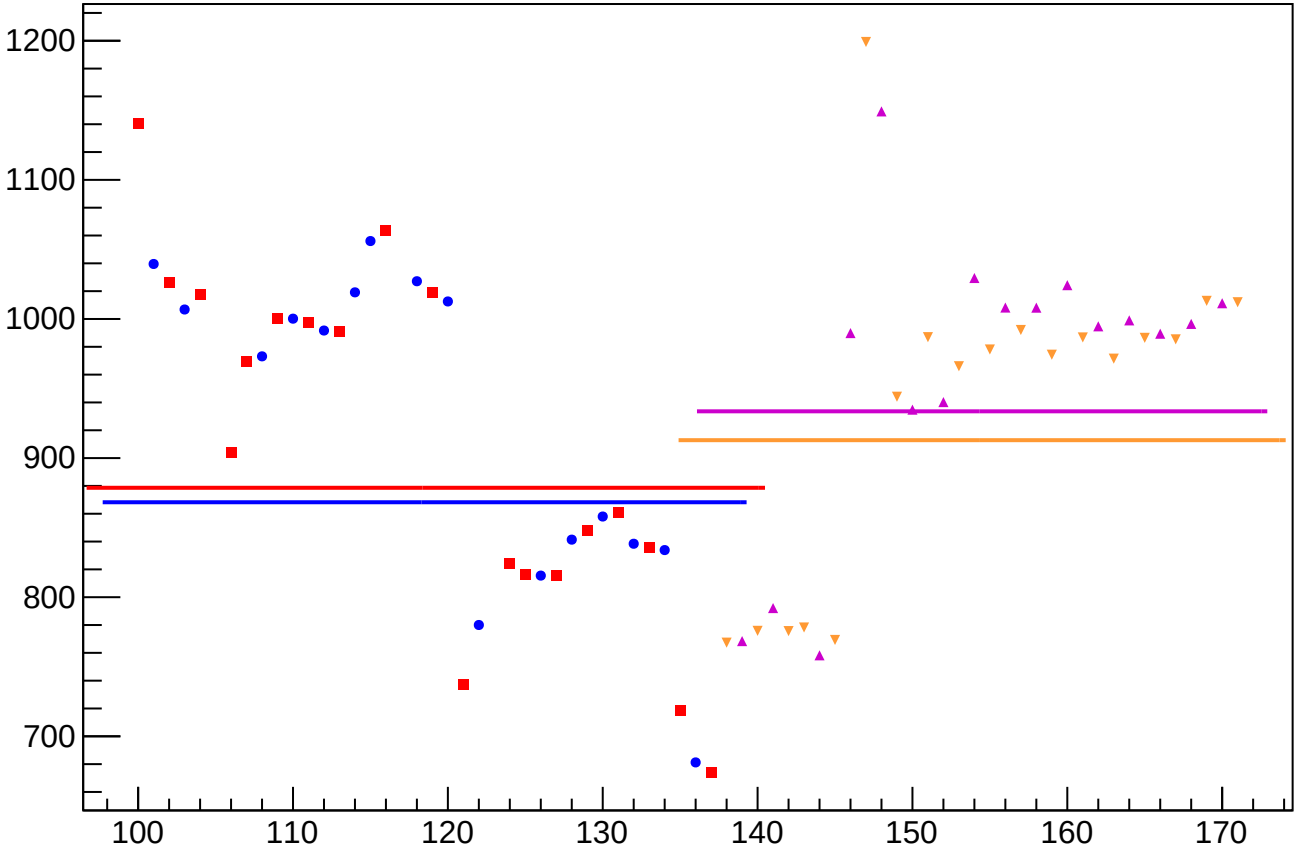
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.180+/-0.203 χ^2/NDF:33.1/31

Out: -0.018+/-0.195 χ^2/NDF:38.2/36

All: 0.077+/-0.140 χ^2/NDF: 71.8/68

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



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: 933.620+/-0.183 χ^2/NDF:374188.4/15

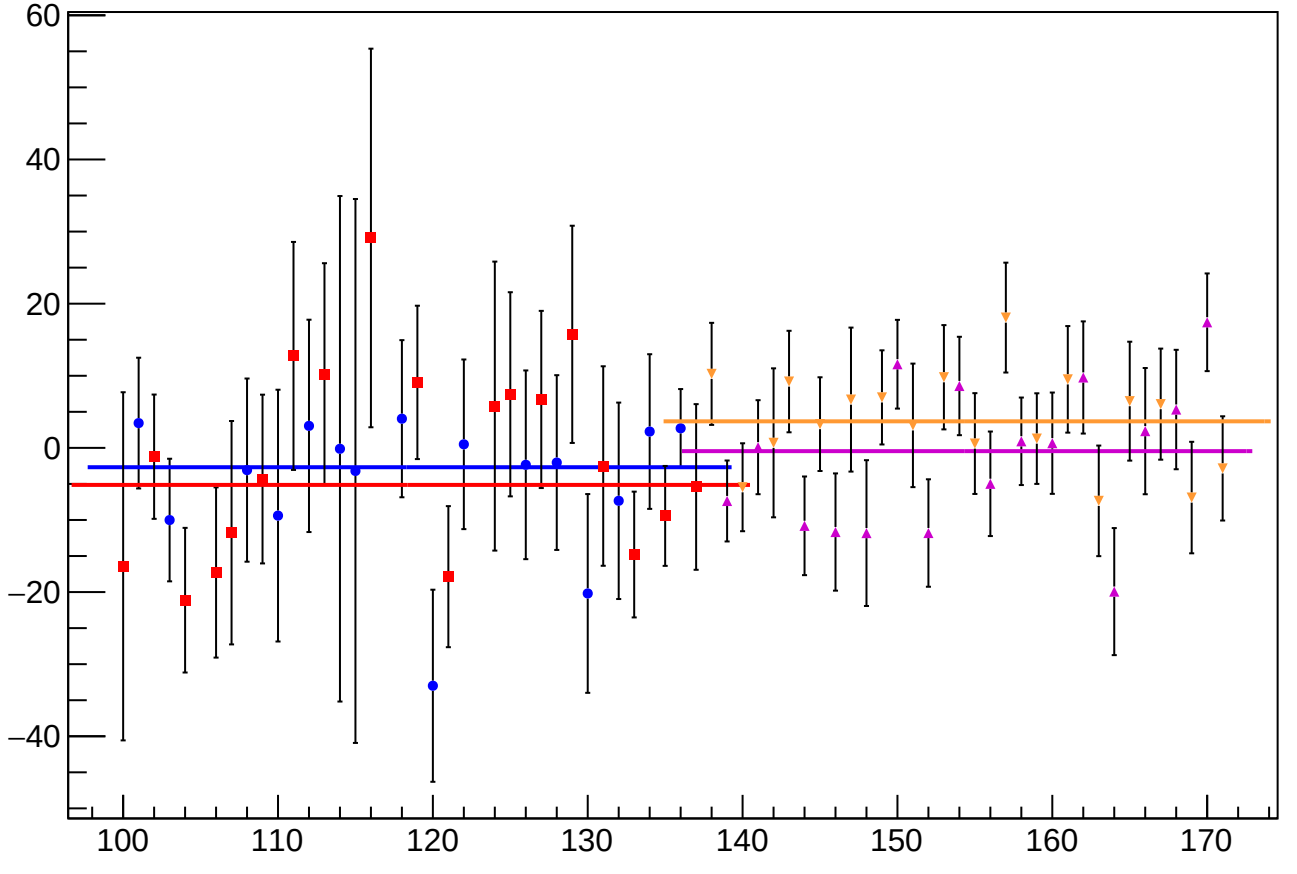
Left: 922.627+/-0.125 χ^2/NDF: 820229.6/33

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 908.344+/-0.143 χ^2/NDF:725939.9/31

Out: 900.477+/-0.138 χ^2/NDF:726041.4/36

All: 904.252+/-0.099 χ^2/NDF: 1453549.0/68



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: -0.453+/-1.788 χ^2/NDF:29.5/15

Left: 1.677+/-1.245 χ^2/NDF: 46.6/33

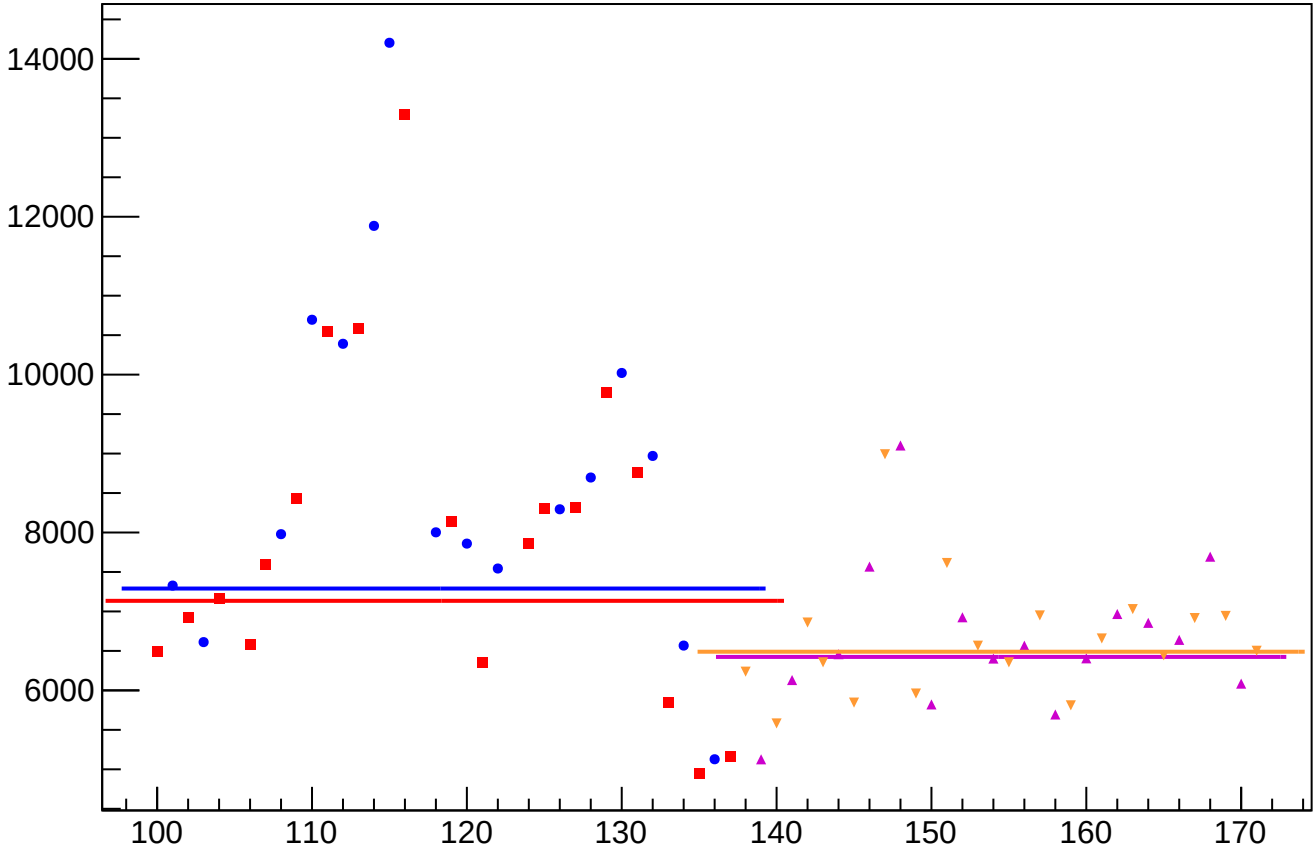
Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -1.103+/-1.505 χ^2/NDF:40.0/31

Out: 1.093+/-1.459 χ^2/NDF:39.2/36

All: 0.030+/-1.048 χ^2/NDF: 80.3/68

diff_bpm_4aY_4eY_avg_rms vs Slug, Sign Corrected



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6489.773+/-1.227 χ^2/NDF:298600.2/17

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6423.924+/-1.265 χ^2/NDF:416449.4/15

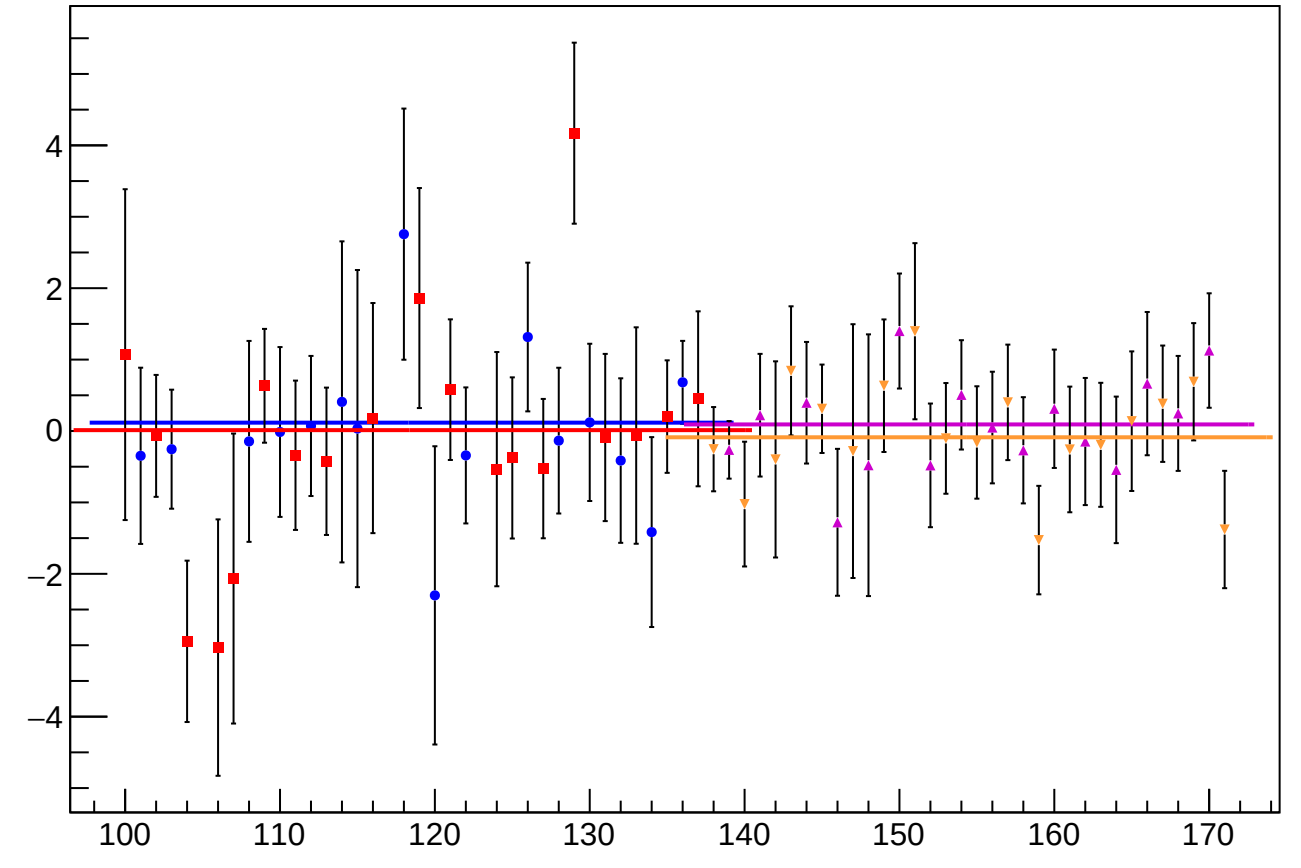
Left: 6457.839+/-0.881 χ^2/NDF: 716446.1/33

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6676.452+/-1.064 χ^2/NDF:1323768.4/31

Out: 6679.029+/-1.031 χ^2/NDF:1172409.5/36

All: 6677.781+/-0.741 χ^2/NDF: 2496181.0/68



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: 0.092+/-0.196 χ^2/NDF:9.0/15

Left: 0.003+/-0.140 χ^2/NDF: 22.0/33

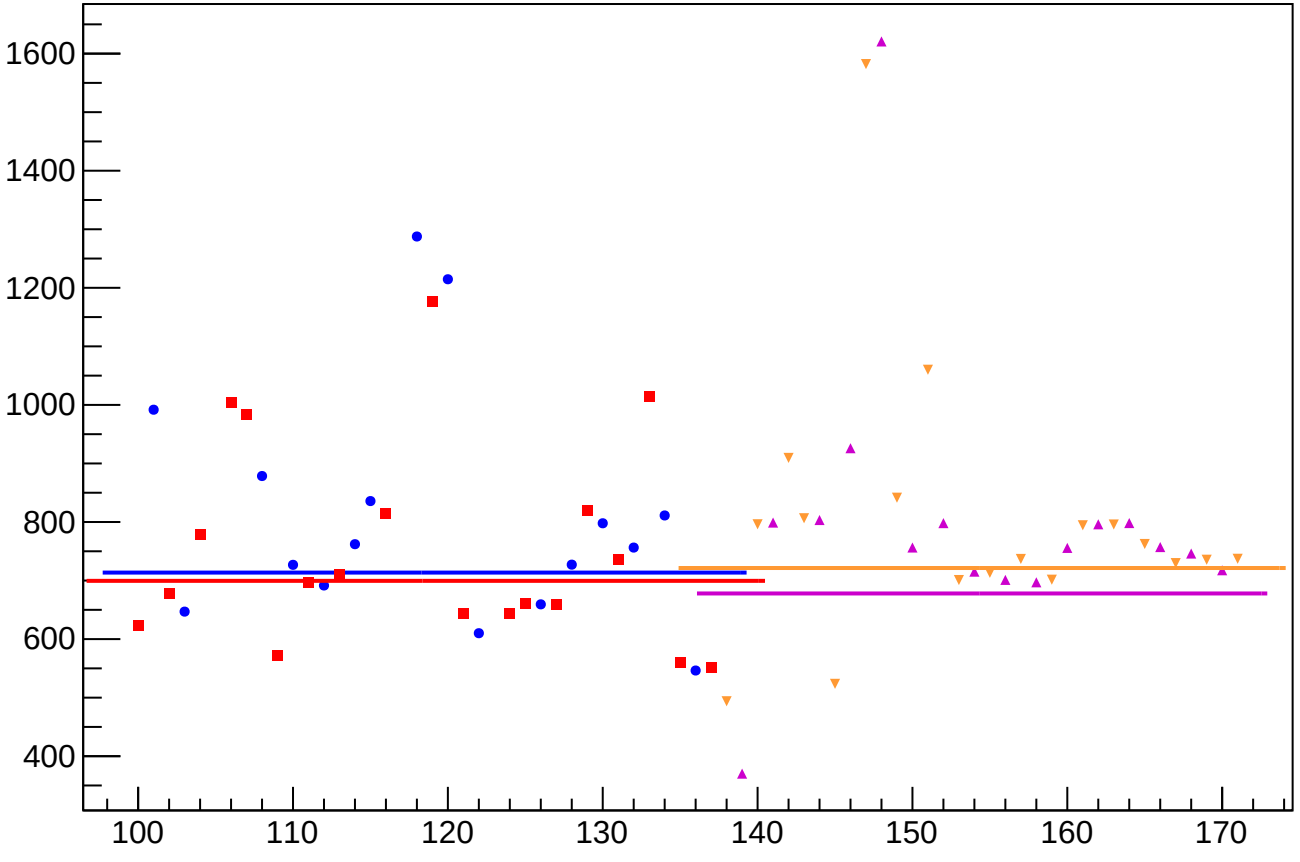
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.101+/-0.159 χ^2/NDF:17.1/31

Out: -0.052+/-0.159 χ^2/NDF:37.9/36

All: 0.024+/-0.112 χ^2/NDF: 55.4/68

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: 677.950+/-0.139 χ^2/NDF:2070993.0/15

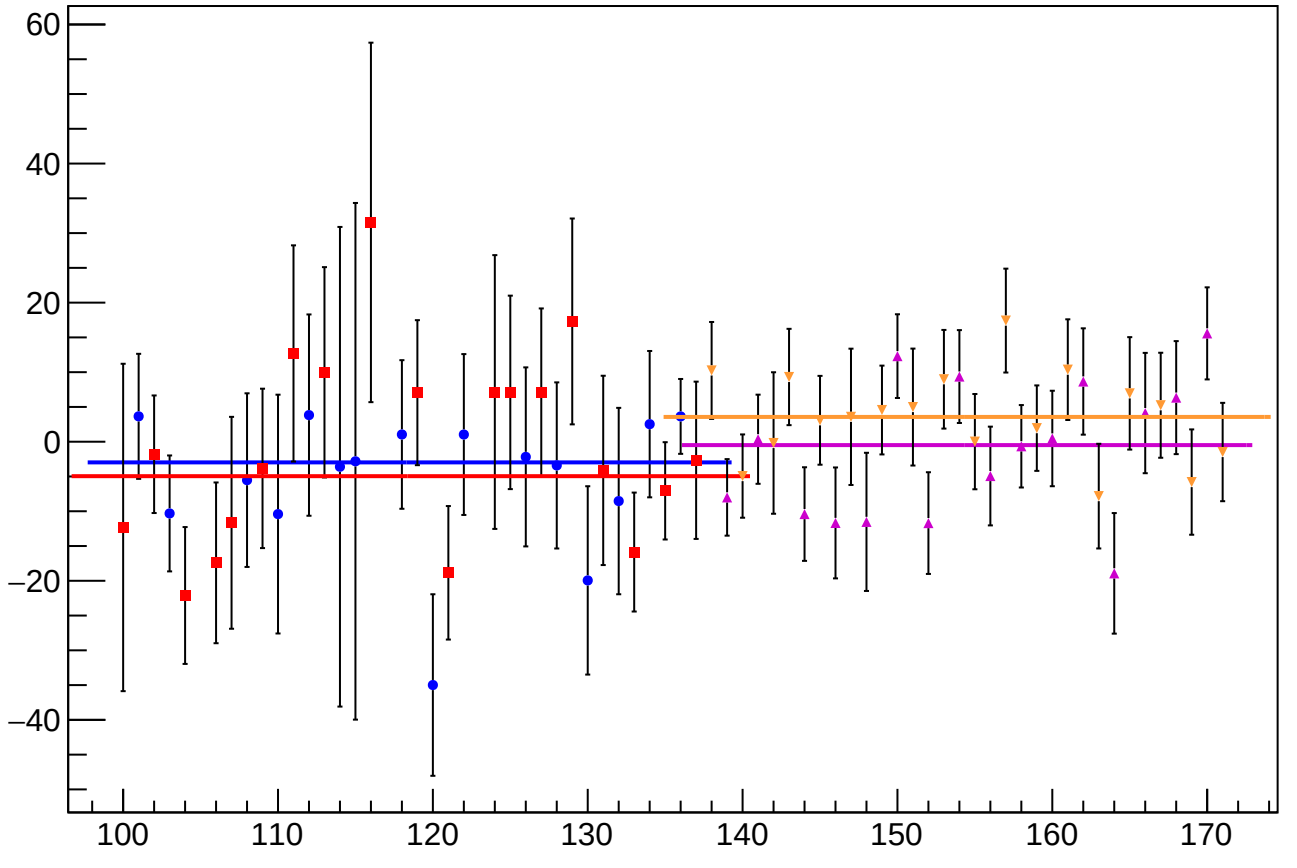
Left: 699.453+/-0.099 χ^2/NDF: 3381976.9/33

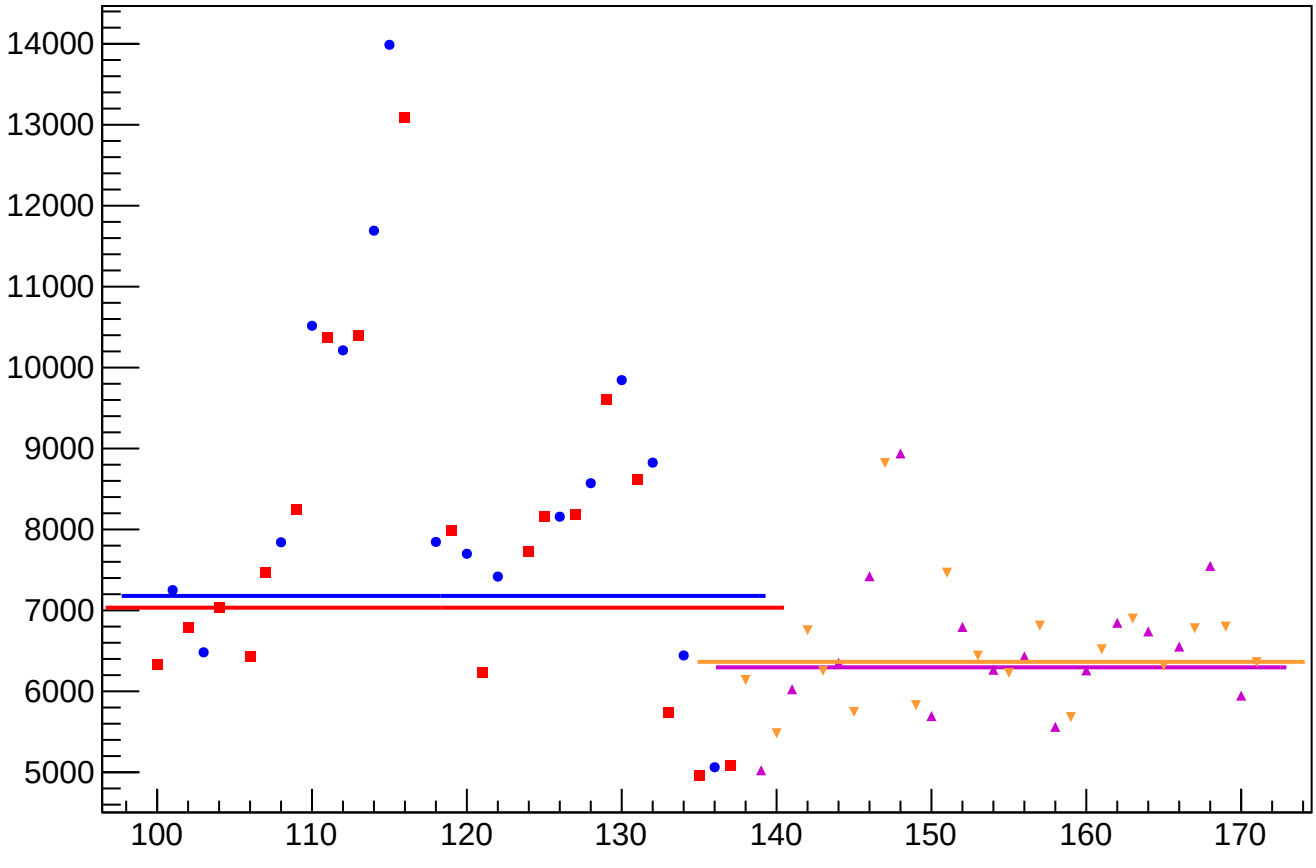
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 690.111+/-0.113 χ^2/NDF:2792785.0/31

Out: 713.475+/-0.112 χ^2/NDF:1847130.0/36

All: 701.863+/-0.079 χ^2/NDF: 4661506.6/68


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: -0.488+/-1.753 χ²/NDF:29.6/15
Left: 1.599+/-1.221 χ²/NDF: 45.9/33
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -1.208+/-1.478 χ²/NDF:41.7/31
Out: 1.081+/-1.433 χ²/NDF:39.4/36
All: -0.028+/-1.029 χ²/NDF: 82.3/68



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: 6296.350+/-1.240 χ^2/NDF:423215.4/15

Left: 6331.312+/-0.864 χ^2/NDF: 723272.0/33

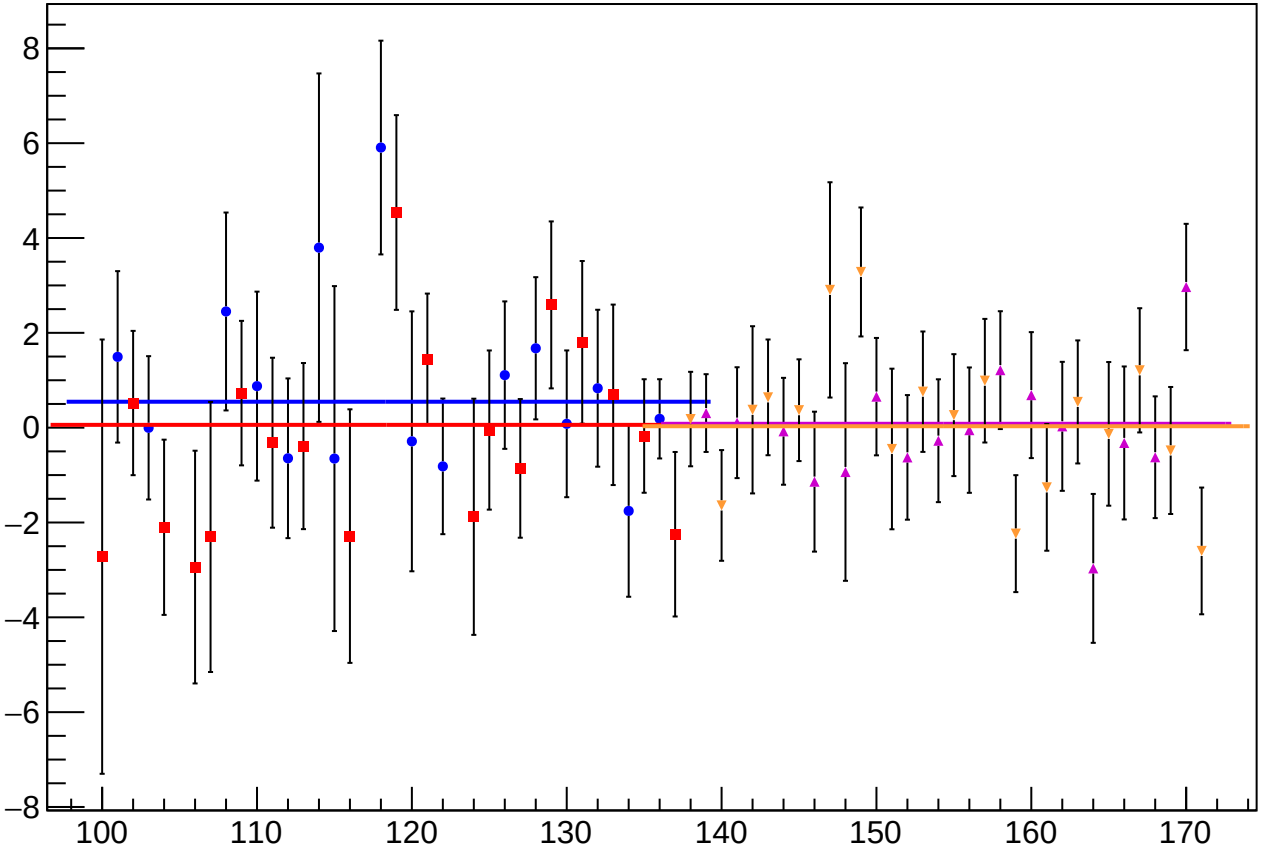
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6551.984+/-1.045 χ^2/NDF:1331906.1/31

Out: 6559.384+/-1.013 χ^2/NDF:1155063.3/36

All: 6555.799+/-0.727 χ^2/NDF: 2486995.2/68

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: 0.030+/-0.309 χ^2/NDF:20.1/17

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.082+/-0.320 χ^2/NDF:11.4/15

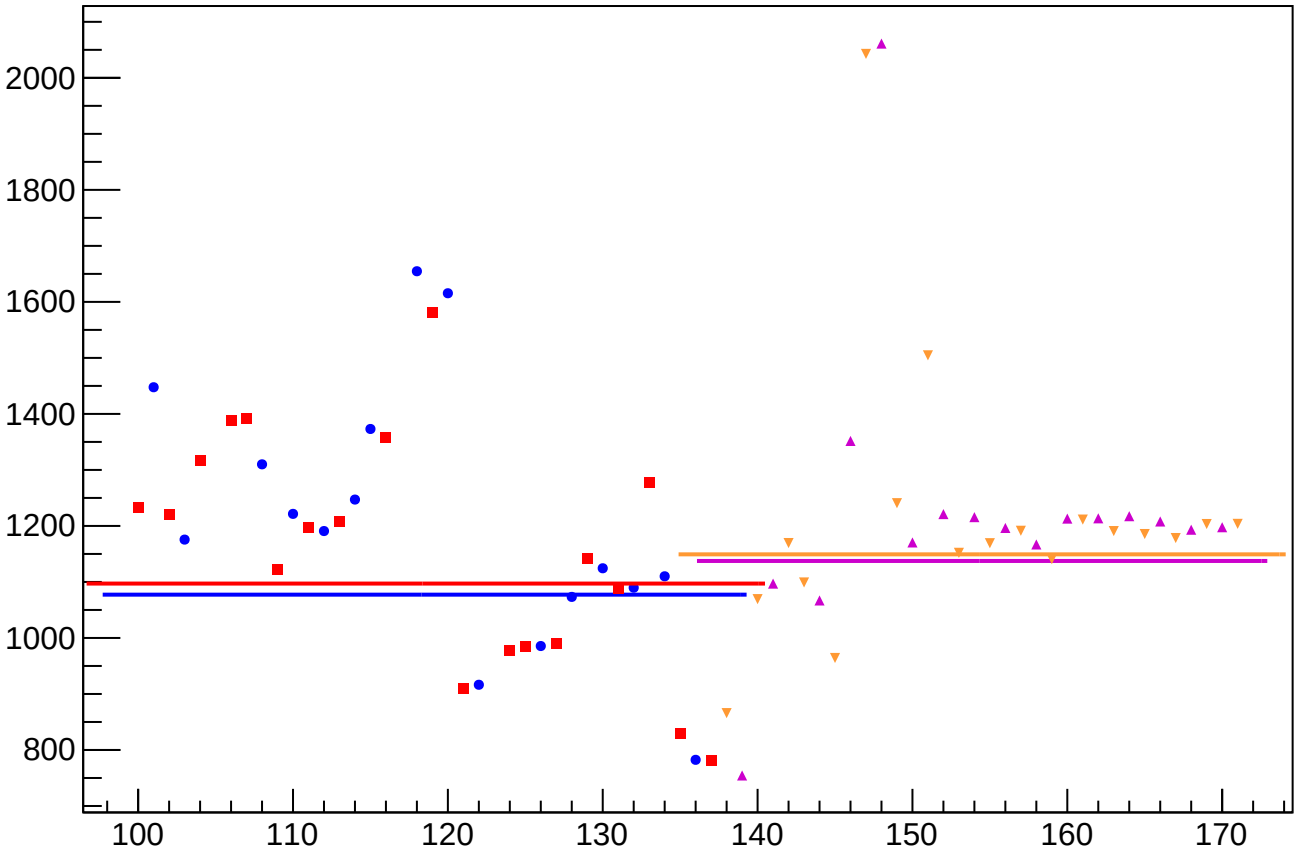
Left: 0.055+/-0.222 χ^2/NDF: 31.5/33

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.257+/-0.252 χ^2/NDF:24.2/31

Out: 0.041+/-0.247 χ^2/NDF:36.9/36

All: 0.147+/-0.176 χ^2/NDF: 61.5/68



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: 1137.461+/-0.226 χ^2/NDF:864153.3/15

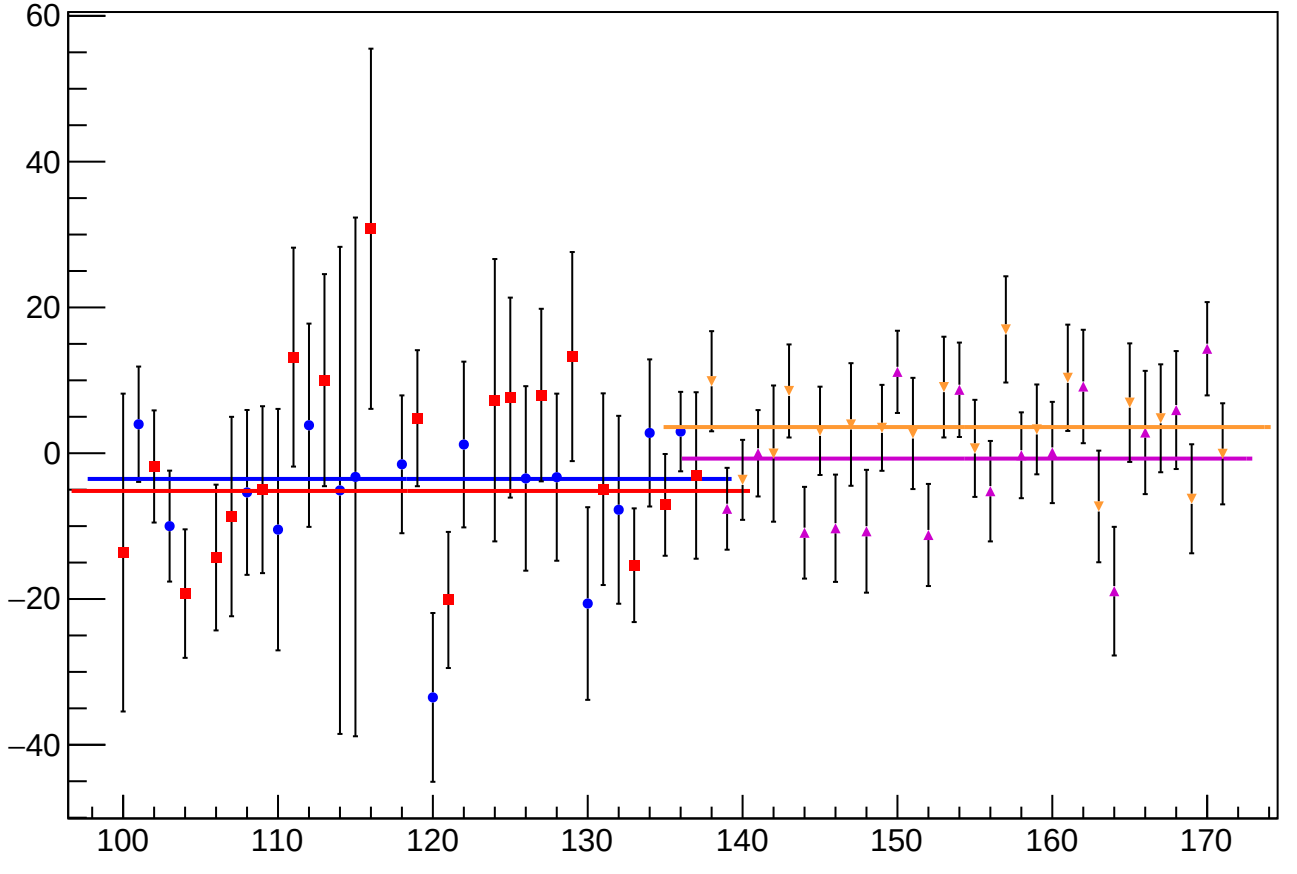
Left: 1143.567+/-0.157 χ^2/NDF: 1524551.3/33

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1114.753+/-0.179 χ^2/NDF:1537362.1/31

Out: 1130.281+/-0.174 χ^2/NDF:1164065.9/36

All: 1122.695+/-0.125 χ^2/NDF: 2705298.6/68



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: -0.736+/-1.697 χ^2/NDF:28.7/15

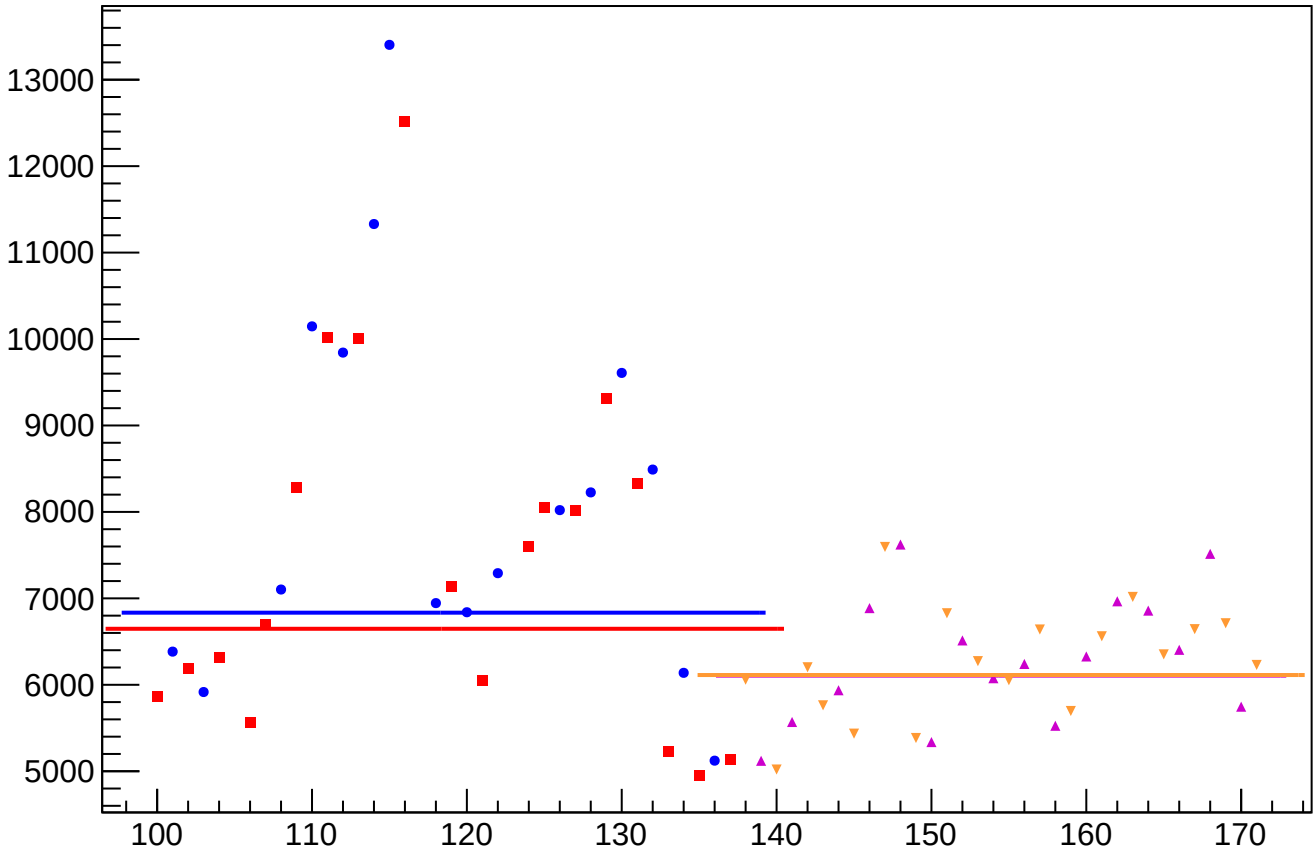
Left: 1.507+/-1.177 χ^2/NDF: 44.8/33

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.566+/-1.422 χ^2/NDF:42.2/31

Out: 0.976+/-1.369 χ^2/NDF:39.4/36

All: -0.247+/-0.986 χ^2/NDF: 83.2/68



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: 6105.934+/-1.200 χ^2/NDF:341238.3/15

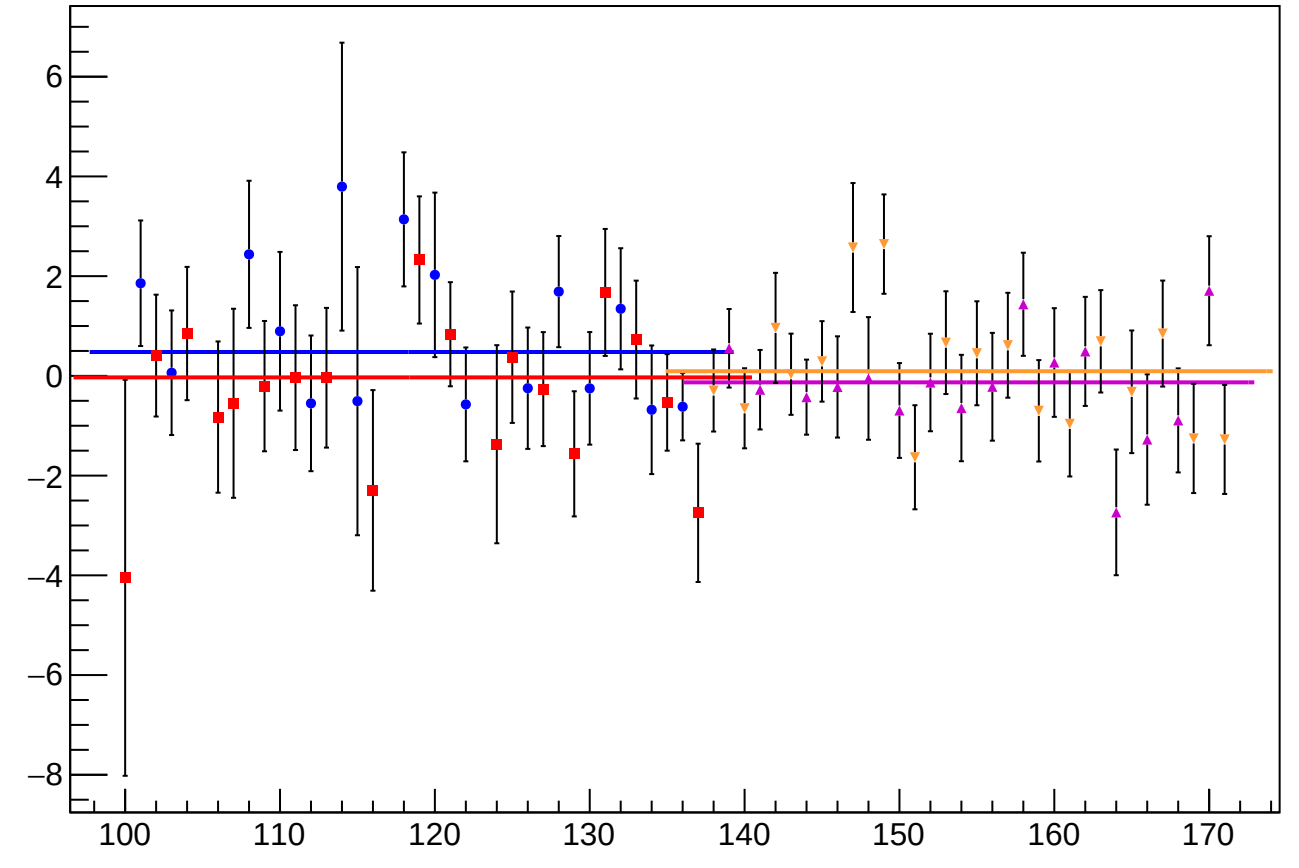
Left: 6109.595+/-0.832 χ^2/NDF: 643785.7/33

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6322.564+/-1.006 χ^2/NDF:1143565.0/31

Out: 6272.496+/-0.968 χ^2/NDF:1151510.9/36

All: 6296.581+/-0.698 χ^2/NDF: 2296362.0/68



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: -0.130+/-0.250 χ^2/NDF:12.7/15

Left: -0.011+/-0.171 χ^2/NDF: 34.2/33

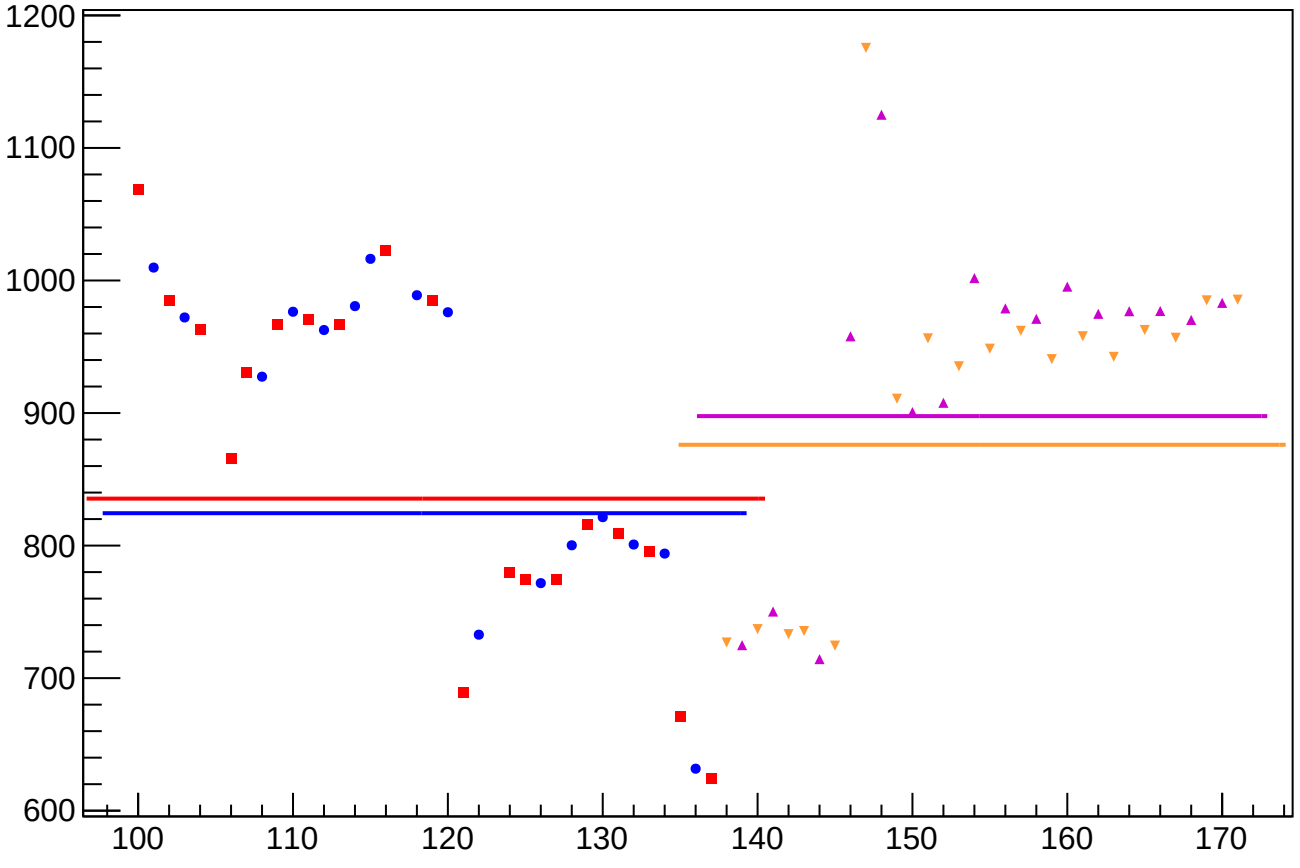
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.109+/-0.195 χ^2/NDF:31.8/31

Out: 0.048+/-0.187 χ^2/NDF:36.9/36

All: 0.077+/-0.135 χ^2/NDF: 68.7/68

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: 897.685+/-0.177 χ^2/NDF:462469.5/15

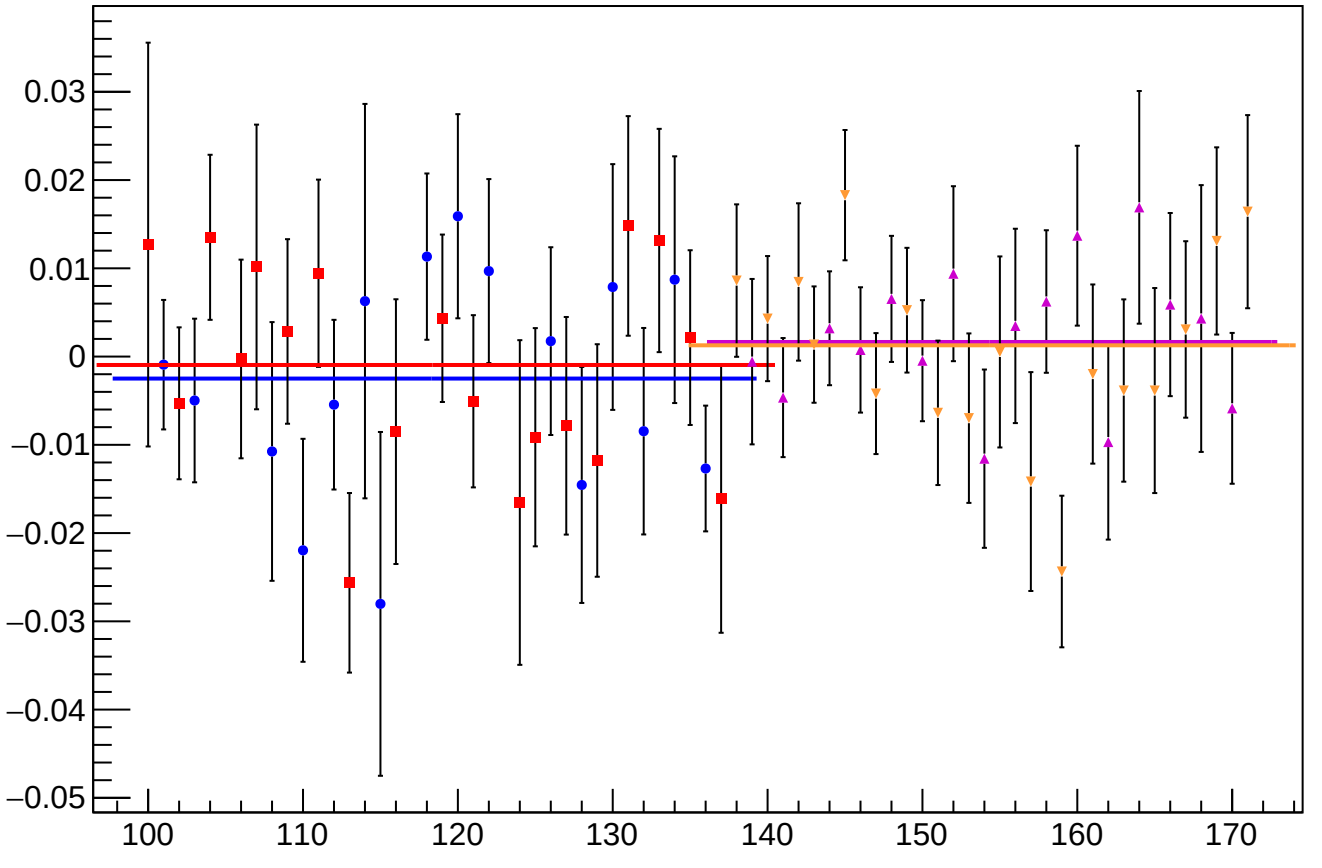
Left: 886.189+/-0.121 χ^2/NDF: 1000725.1/33

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 868.961+/-0.138 χ^2/NDF:895473.5/31

Out: 861.197+/-0.132 χ^2/NDF:871559.3/36

All: 864.916+/-0.095 χ^2/NDF: 1768691.0/68



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: 0.002+/-0.002 χ^2/NDF:9.0/15

Left: 0.001+/-0.001 χ^2/NDF: 32.6/33

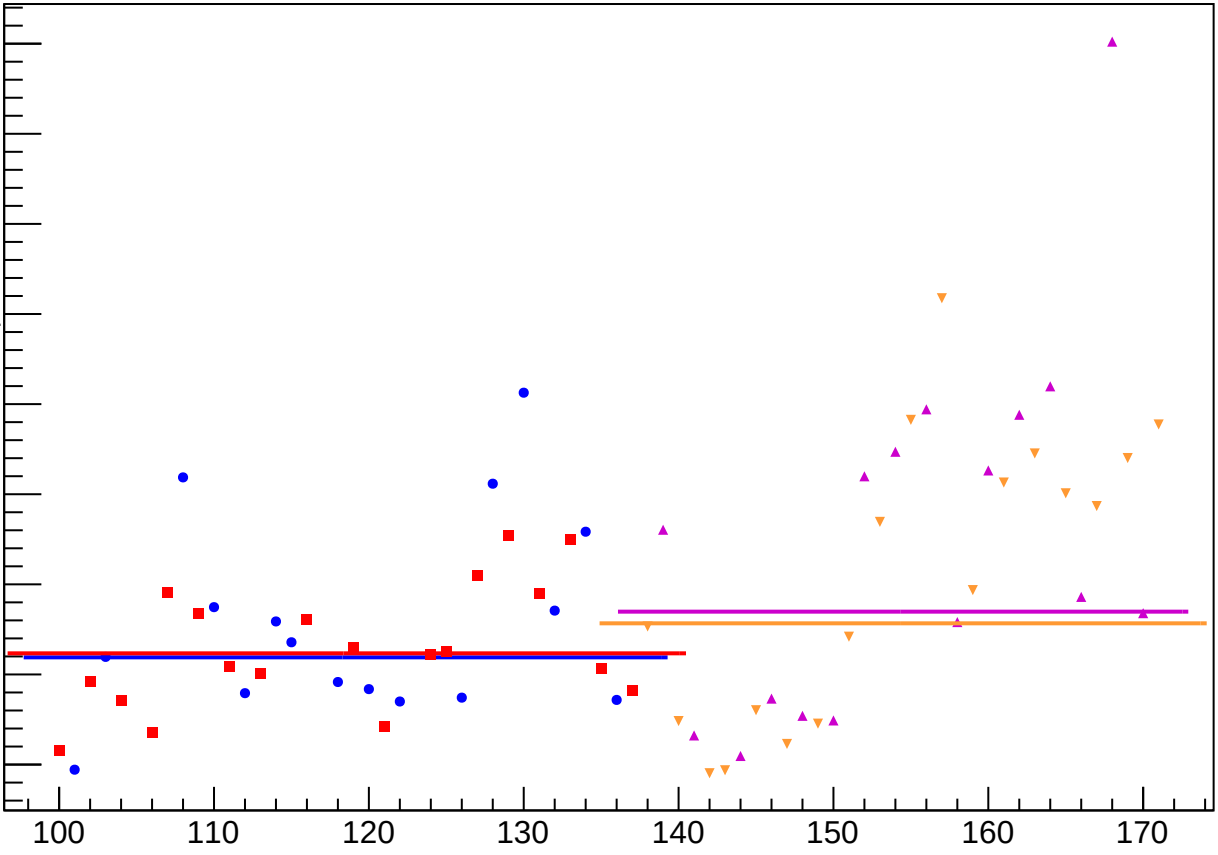
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: 0.000+/-0.002 χ^2/NDF:25.7/31

Out: 0.000+/-0.002 χ^2/NDF:41.4/36

All: 0.000+/-0.001 χ^2/NDF: 67.1/68

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: 7.697+/-0.002 χ^2/NDF:1115591.5/15

Left: 7.629+/-0.001 χ^2/NDF: 2126413.7/33

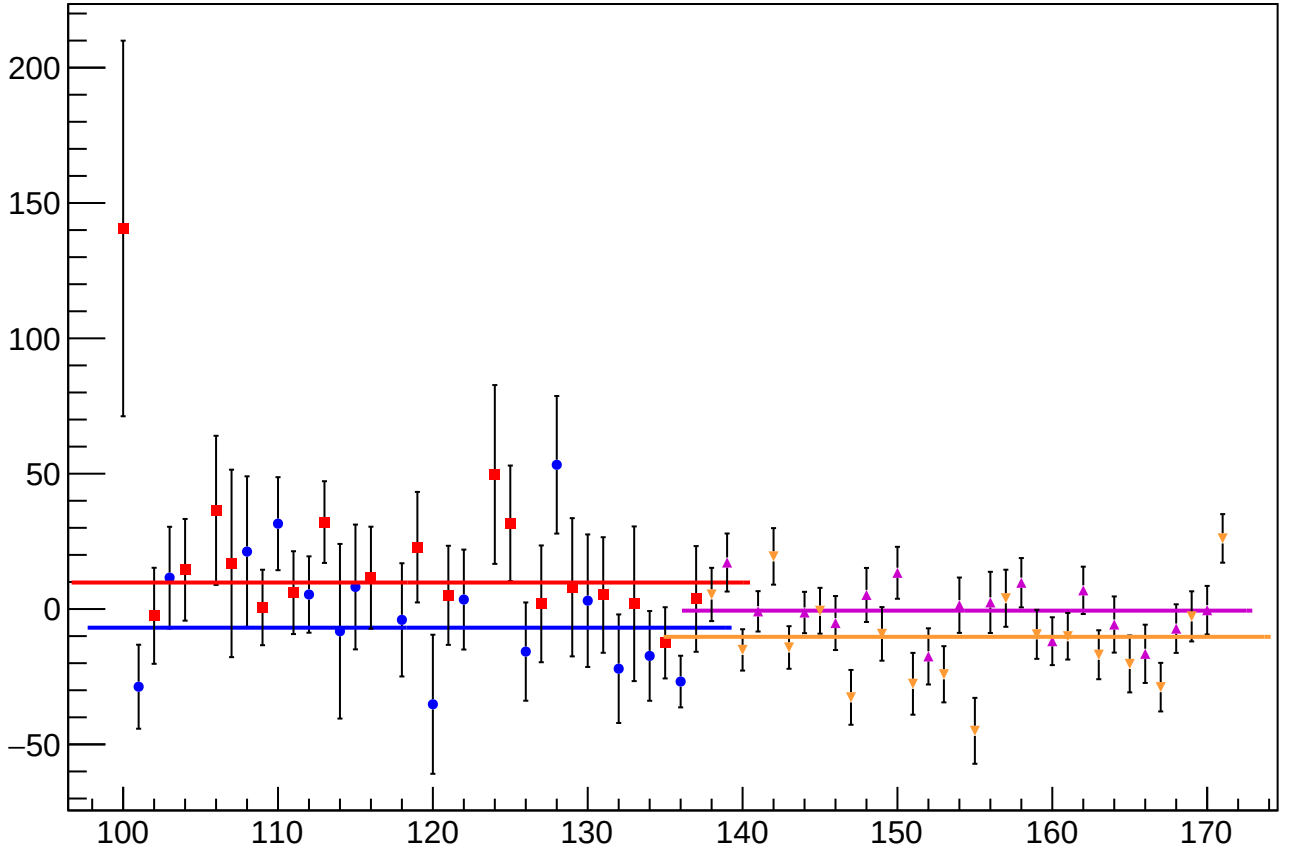
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

In: 7.499+/-0.001 χ^2/NDF:1435941.0/31

Out: 7.443+/-0.001 χ^2/NDF:1132961.2/36

All: 7.470+/-0.001 χ^2/NDF: 2570038.9/68

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: -0.592+/-2.343 χ^2/NDF:14.8/15

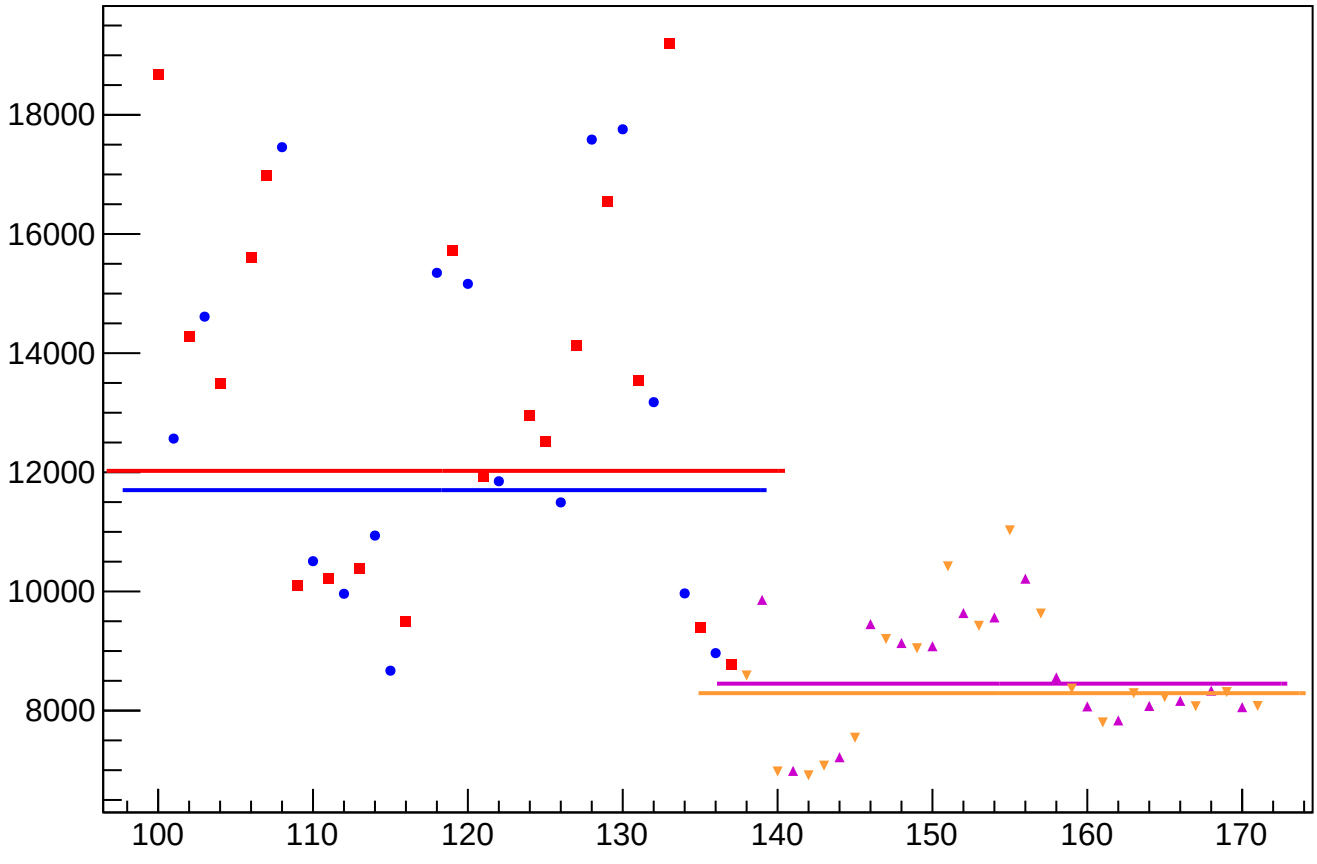
Left: -5.693+/-1.612 χ^2/NDF: 78.2/33

Right: 1.396+/-3.184 χ^2/NDF: 43.9/34

In: -1.941+/-2.077 χ^2/NDF:39.4/31

Out: -6.368+/-1.992 χ^2/NDF:84.2/36

All: -4.247+/-1.438 χ^2/NDF: 126.0/68



Right In: 11700.622+/-3.174 χ^2/NDF: 740185.3/15

Left Out: 8292.865+/-1.570 χ^2/NDF:422349.5/17

Right Out: 12024.262+/-3.194 χ^2/NDF: 684788.9/18

Left In: 8452.246+/-1.657 χ^2/NDF:322262.5/15

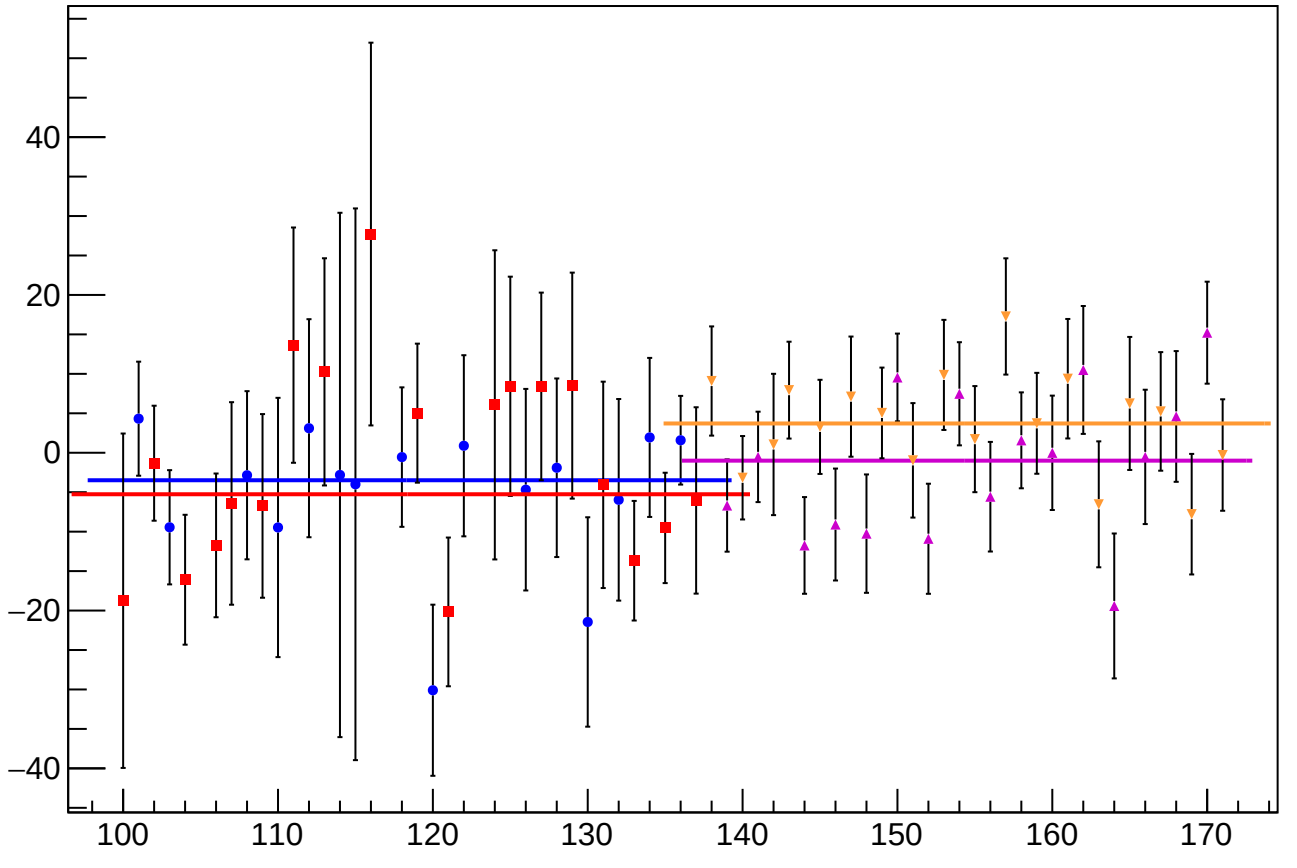
Left: 8368.247+/-1.140 χ^2/NDF: 749487.8/33

Right: 11861.399+/-2.251 χ^2/NDF: 1430140.0/34

In: 9148.062+/-1.469 χ^2/NDF:1885637.8/31

Out: 9018.703+/-1.409 χ^2/NDF:2206288.1/36

All: 9080.684+/-1.017 χ^2/NDF: 4095965.7/68



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: -1.001+/-1.699 χ^2/NDF:27.6/15

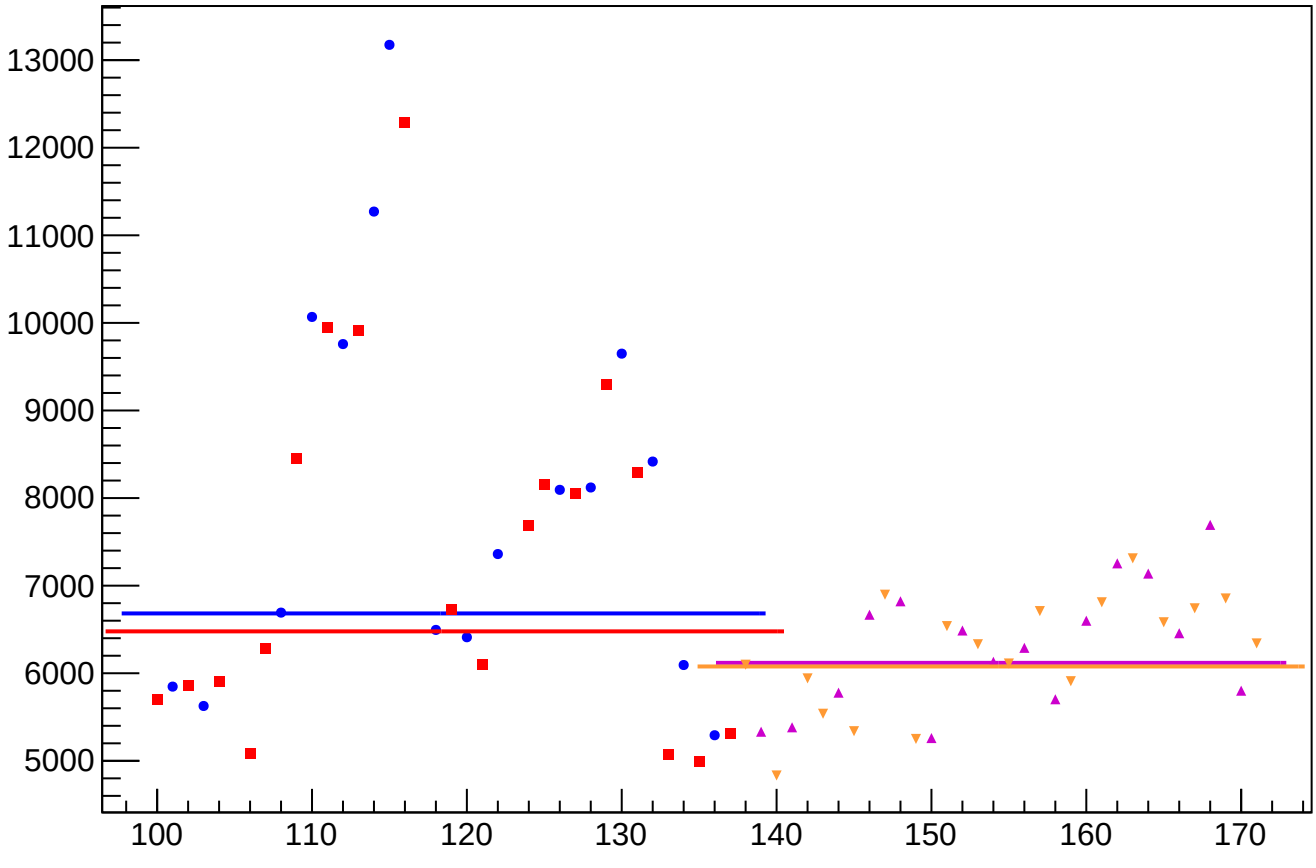
Left: 1.457+/-1.175 χ^2/NDF: 44.3/33

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.765+/-1.414 χ^2/NDF:39.7/31

Out: 0.961+/-1.355 χ^2/NDF:38.6/36

All: -0.344+/-0.978 χ^2/NDF: 80.3/68



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: 6118.567+/-1.201 χ^2/NDF:321750.7/15

Left: 6097.078+/-0.831 χ^2/NDF: 684117.1/33

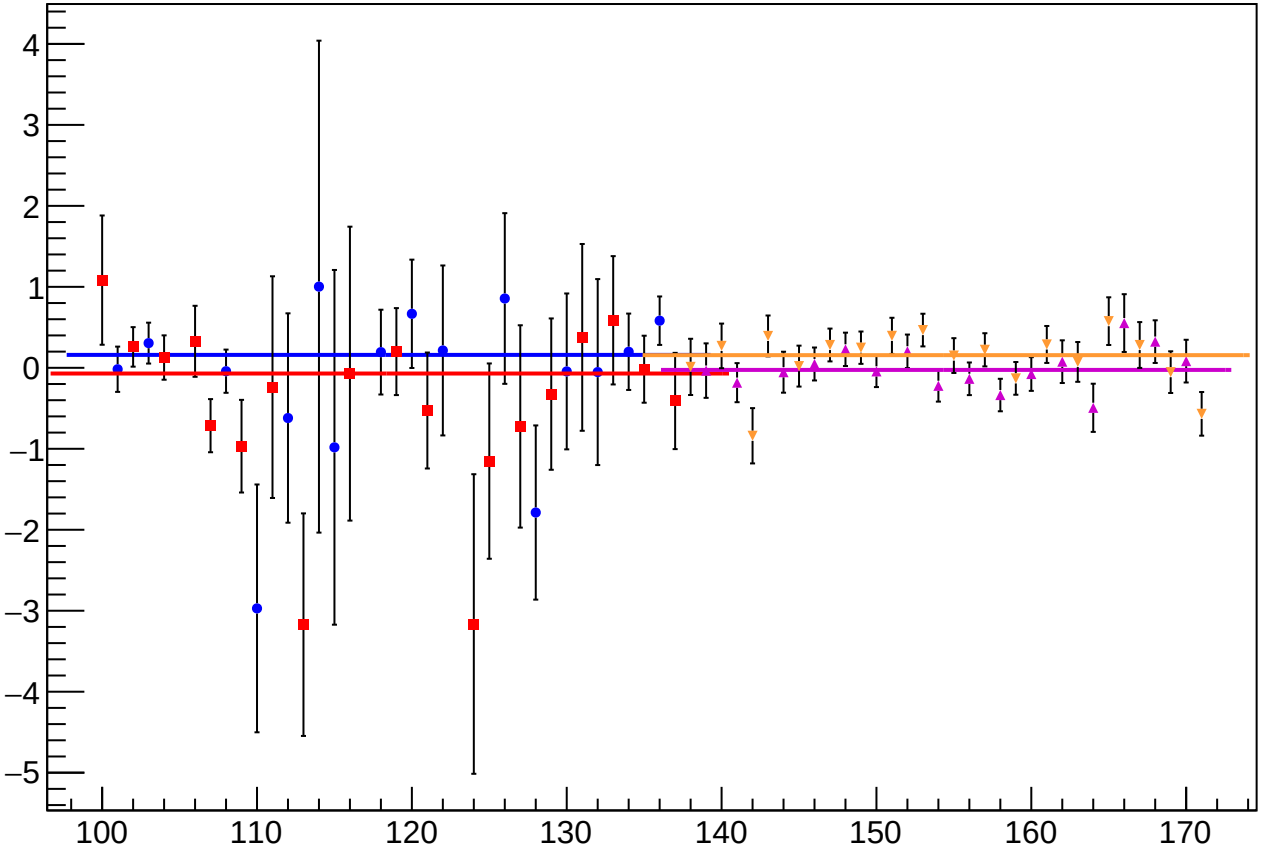
Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6292.101+/-1.000 χ^2/NDF:1081828.7/31

Out: 6200.237+/-0.958 χ^2/NDF:1238197.2/36

All: 6244.205+/-0.692 χ^2/NDF: 2324428.8/68

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: -0.026+/-0.058 χ^2/NDF:14.3/15

Left: 0.067+/-0.040 χ^2/NDF: 46.2/33

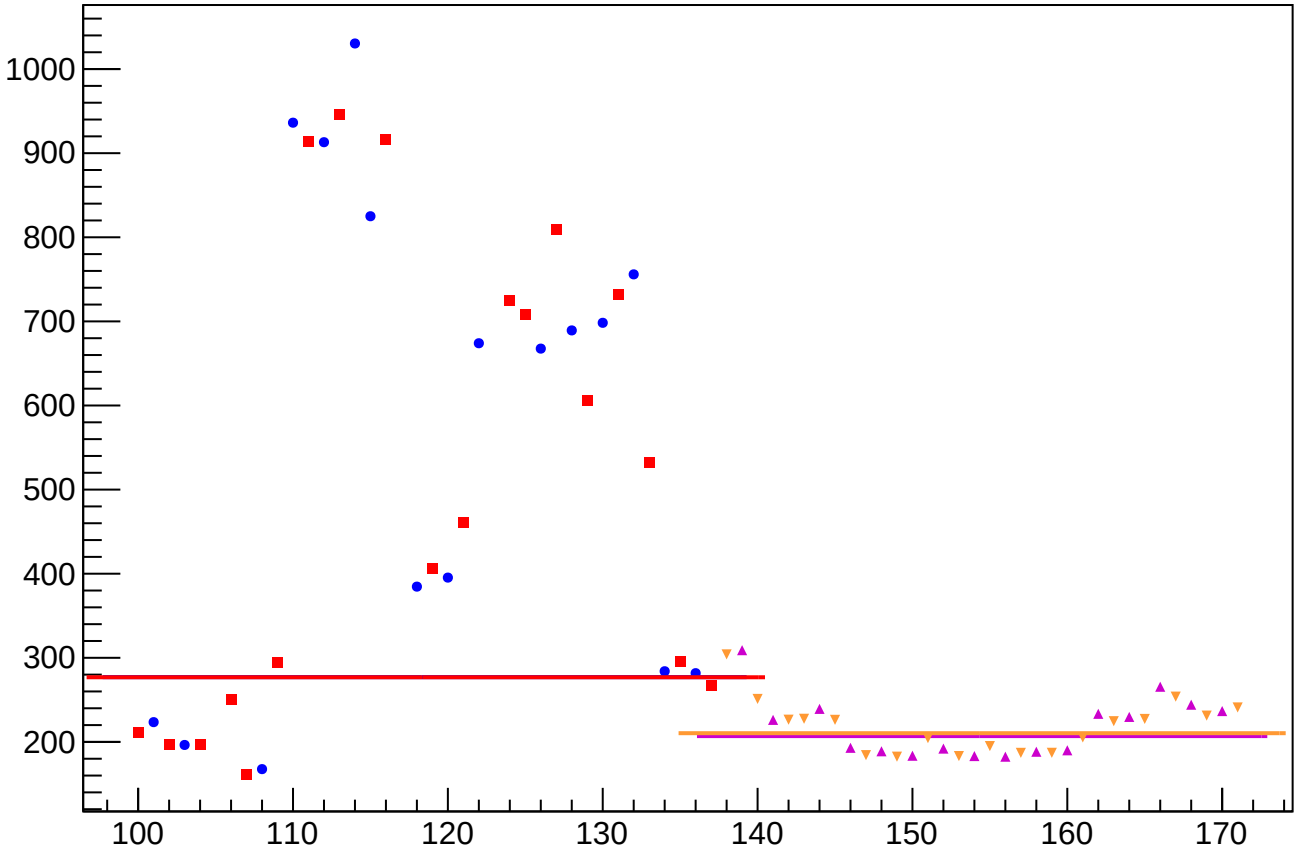
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: 0.009+/-0.052 χ^2/NDF:28.8/31

Out: 0.115+/-0.051 χ^2/NDF:52.2/36

All: 0.063+/-0.036 χ^2/NDF: 83.1/68

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: 206.919+/-0.041 χ^2/NDF:535148.0/15

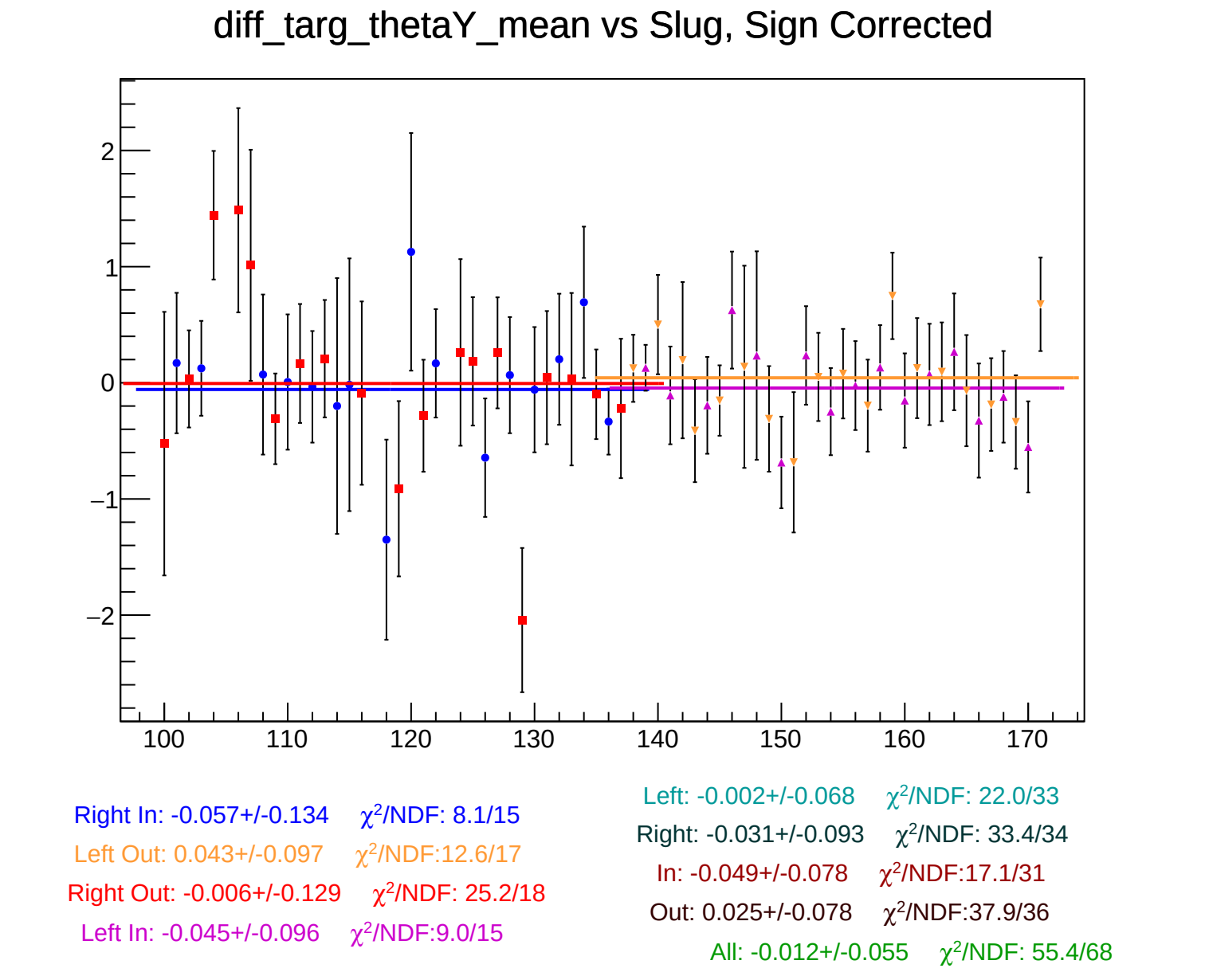
Left: 208.682+/-0.029 χ^2/NDF: 1023218.4/33

Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

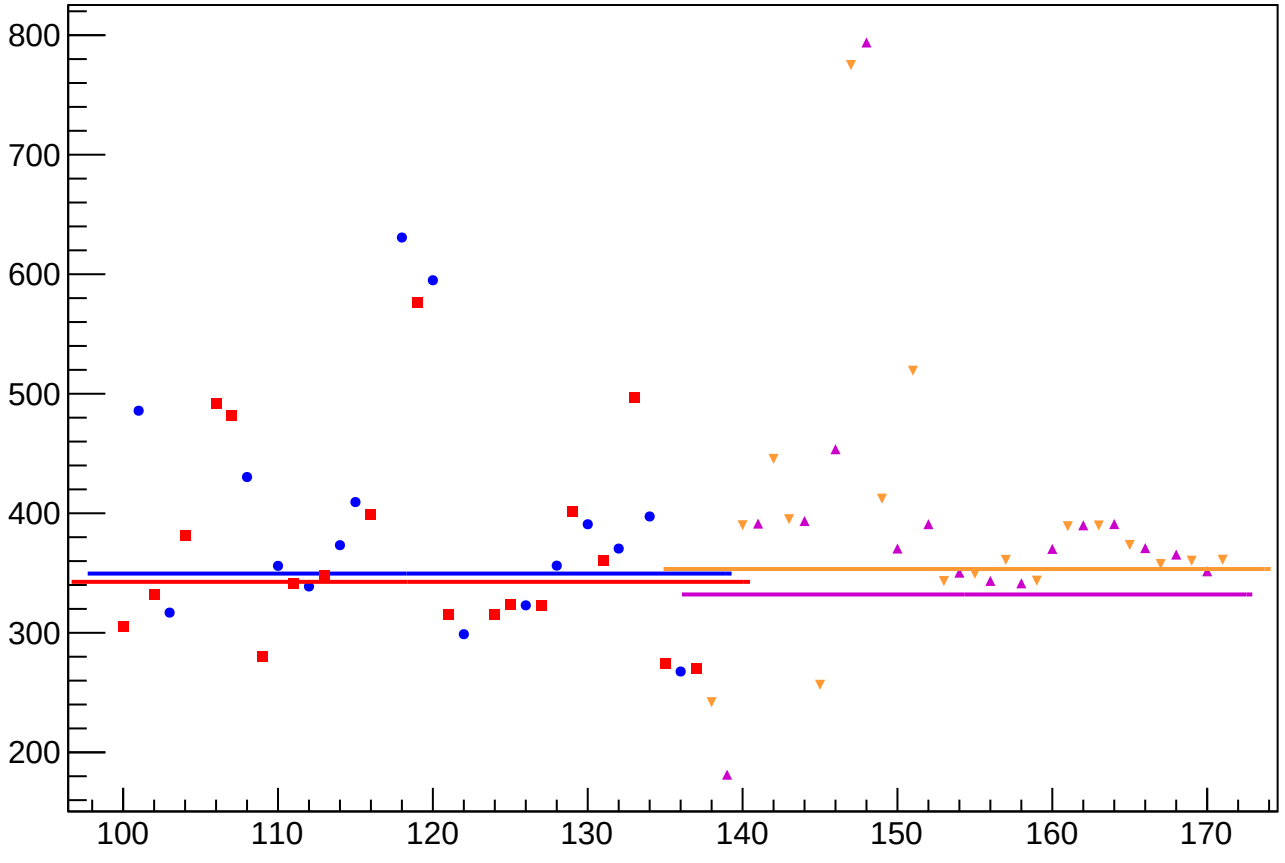
In: 220.153+/-0.037 χ^2/NDF:4543179.7/31

Out: 222.455+/-0.036 χ^2/NDF:4561105.5/36

All: 221.325+/-0.026 χ^2/NDF: 9106282.8/68


diff_targ_thetaY_mean vs Slug, Sign Corrected
2
1
0
−1
−2
100
110
120
130
140
150
160
170
Right In: -0.057+/-0.134 χ²/NDF: 8.1/15
Left Out: 0.043+/-0.097 χ²/NDF:12.6/17
Right Out: -0.006+/-0.129 χ²/NDF: 25.2/18
Left In: -0.045+/-0.096 χ²/NDF:9.0/15
Left: -0.002+/-0.068 χ²/NDF: 22.0/33
Right: -0.031+/-0.093 χ²/NDF: 33.4/34
In: -0.049+/-0.078 χ²/NDF:17.1/31
Out: 0.025+/-0.078 χ²/NDF:37.9/36
All: -0.012+/-0.055 χ²/NDF: 55.4/68

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: 332.084+/-0.068 χ^2/NDF:2070993.0/15

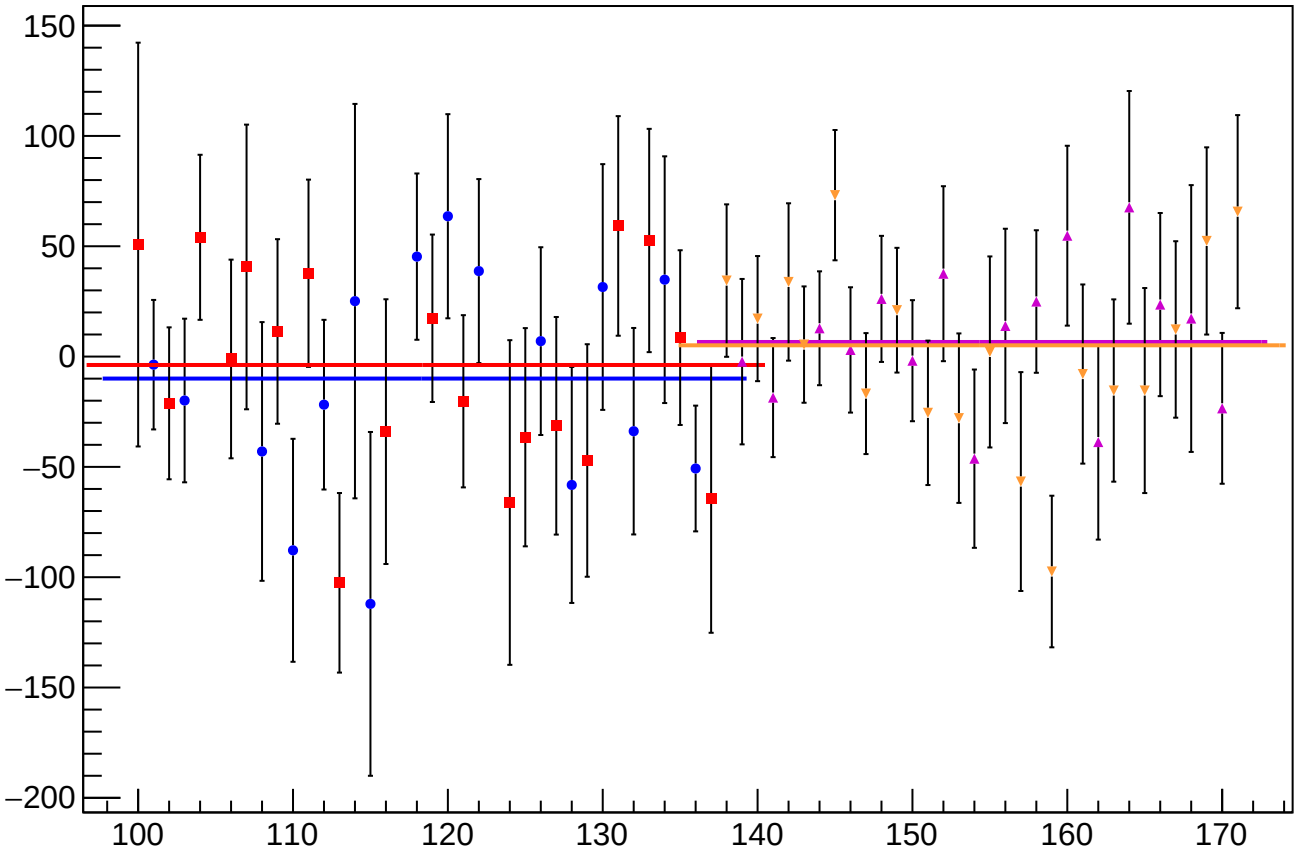
Left: 342.617+/-0.048 χ^2/NDF: 3381976.9/33

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 338.041+/-0.055 χ^2/NDF:2792785.0/31

Out: 349.486+/-0.055 χ^2/NDF:1847130.0/36

All: 343.798+/-0.039 χ^2/NDF: 4661506.6/68



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: 6.607+/-8.676 χ^2/NDF:9.0/15

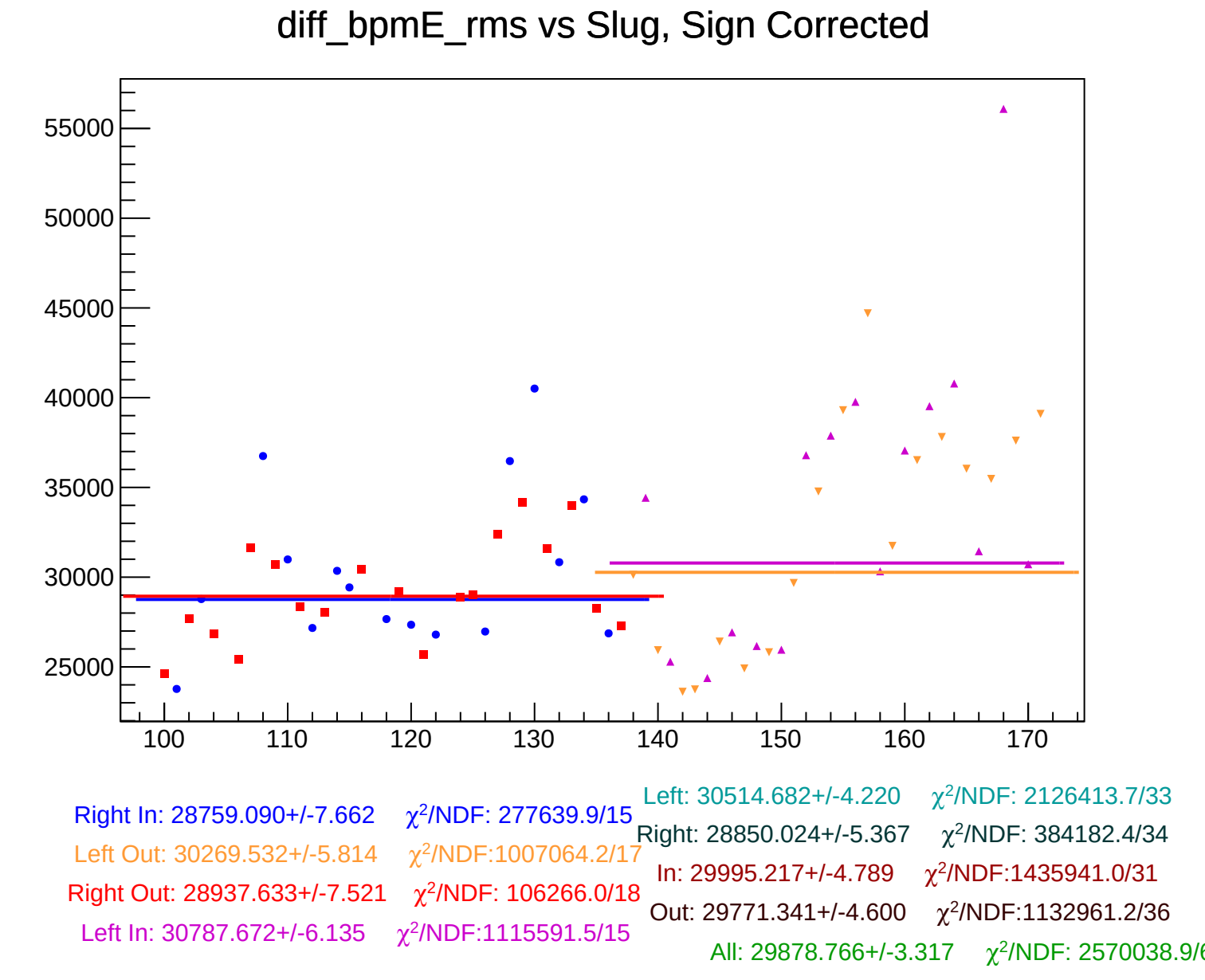
Left: 5.815+/-5.968 χ^2/NDF: 32.6/33

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

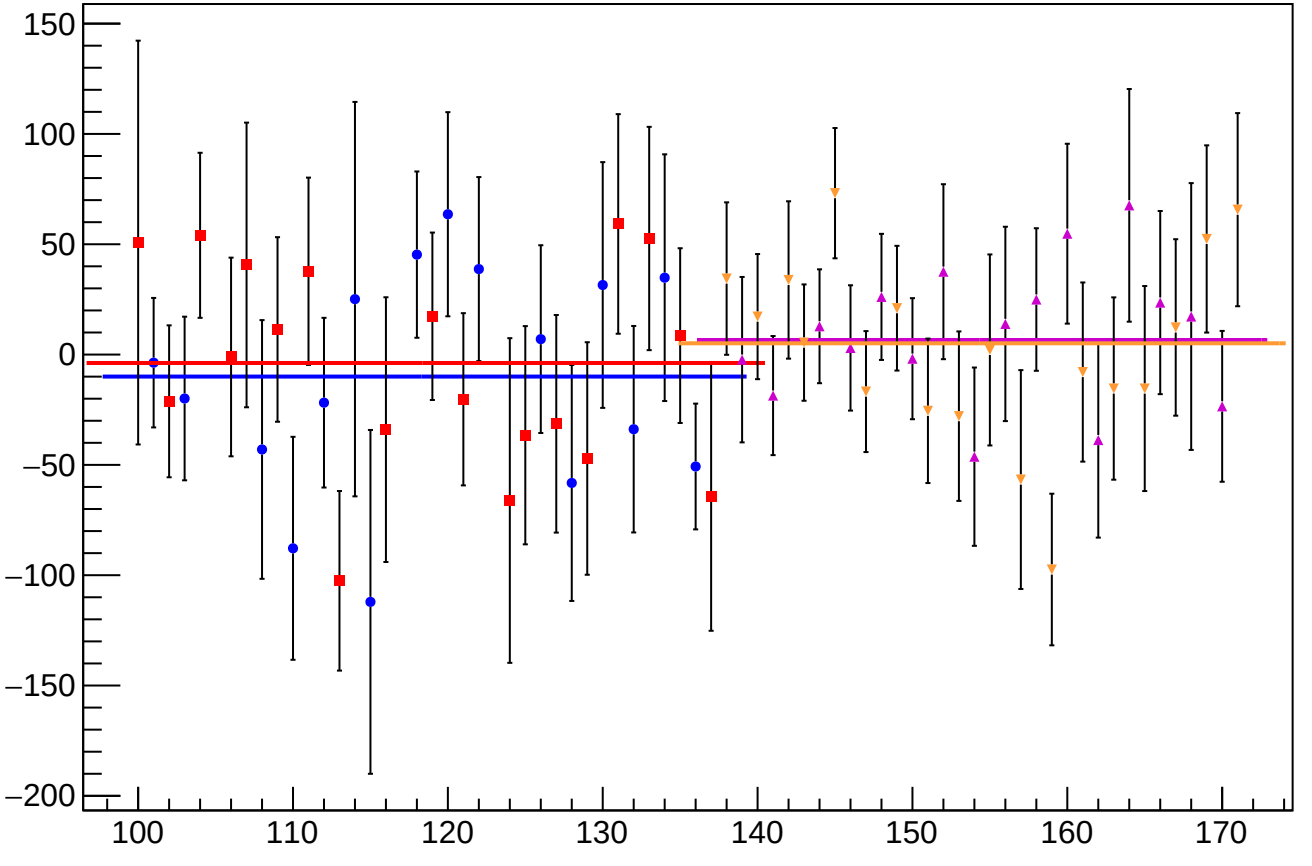
In: 0.132+/-6.773 χ^2/NDF:25.7/31

Out: 1.769+/-6.505 χ^2/NDF:41.4/36

All: 0.983+/-4.692 χ^2/NDF: 67.1/68


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: 30787.672+/-6.135 χ²/NDF:1115591.5/15
Left: 30514.682+/-4.220 χ²/NDF: 2126413.7/33
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29995.217+/-4.789 χ²/NDF:1435941.0/31
Out: 29771.341+/-4.600 χ²/NDF:1132961.2/36
All: 29878.766+/-3.317 χ²/NDF: 2570038.9/6

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: 6.607+/-8.676 χ^2/NDF:9.0/15

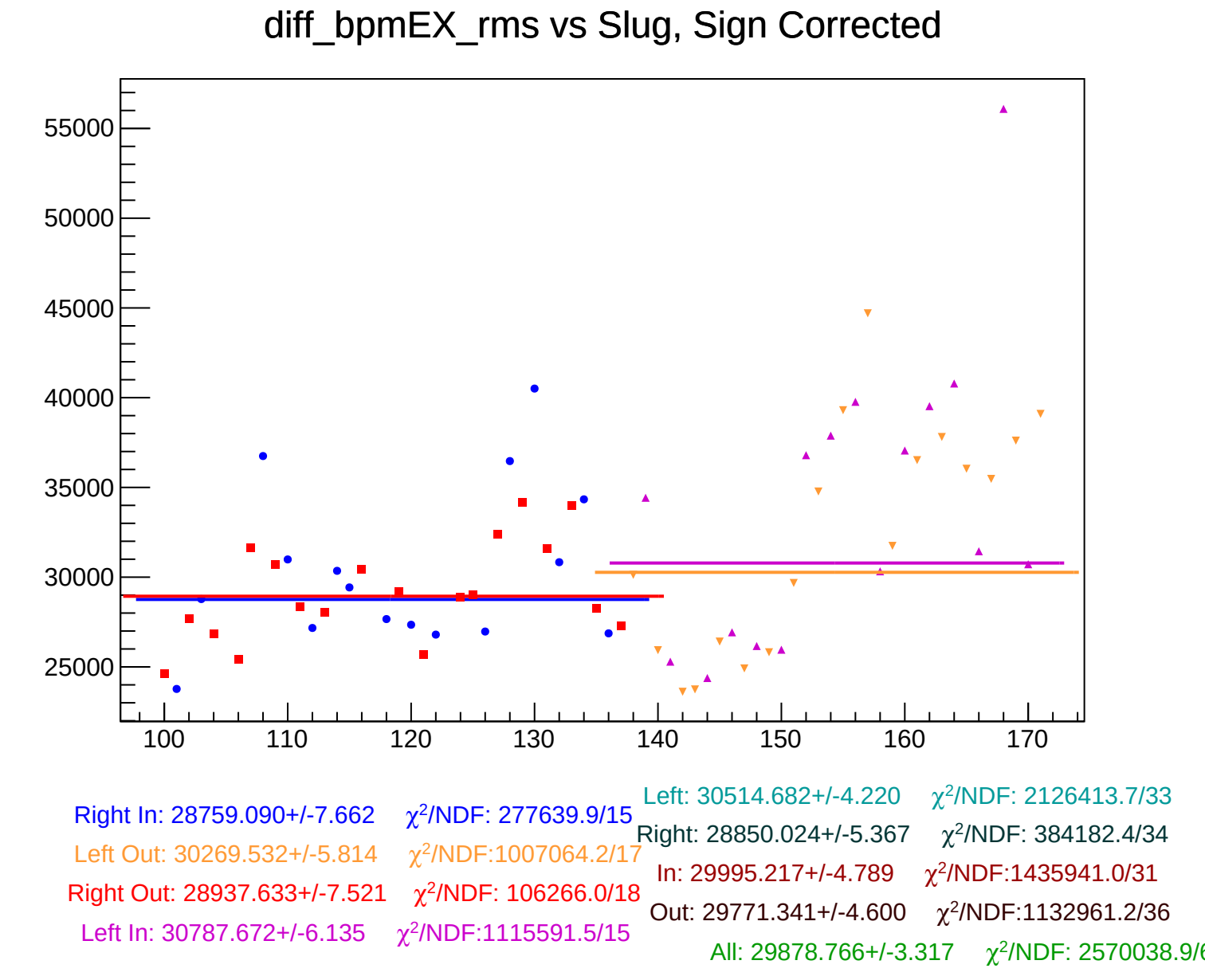
Left: 5.815+/-5.968 χ^2/NDF: 32.6/33

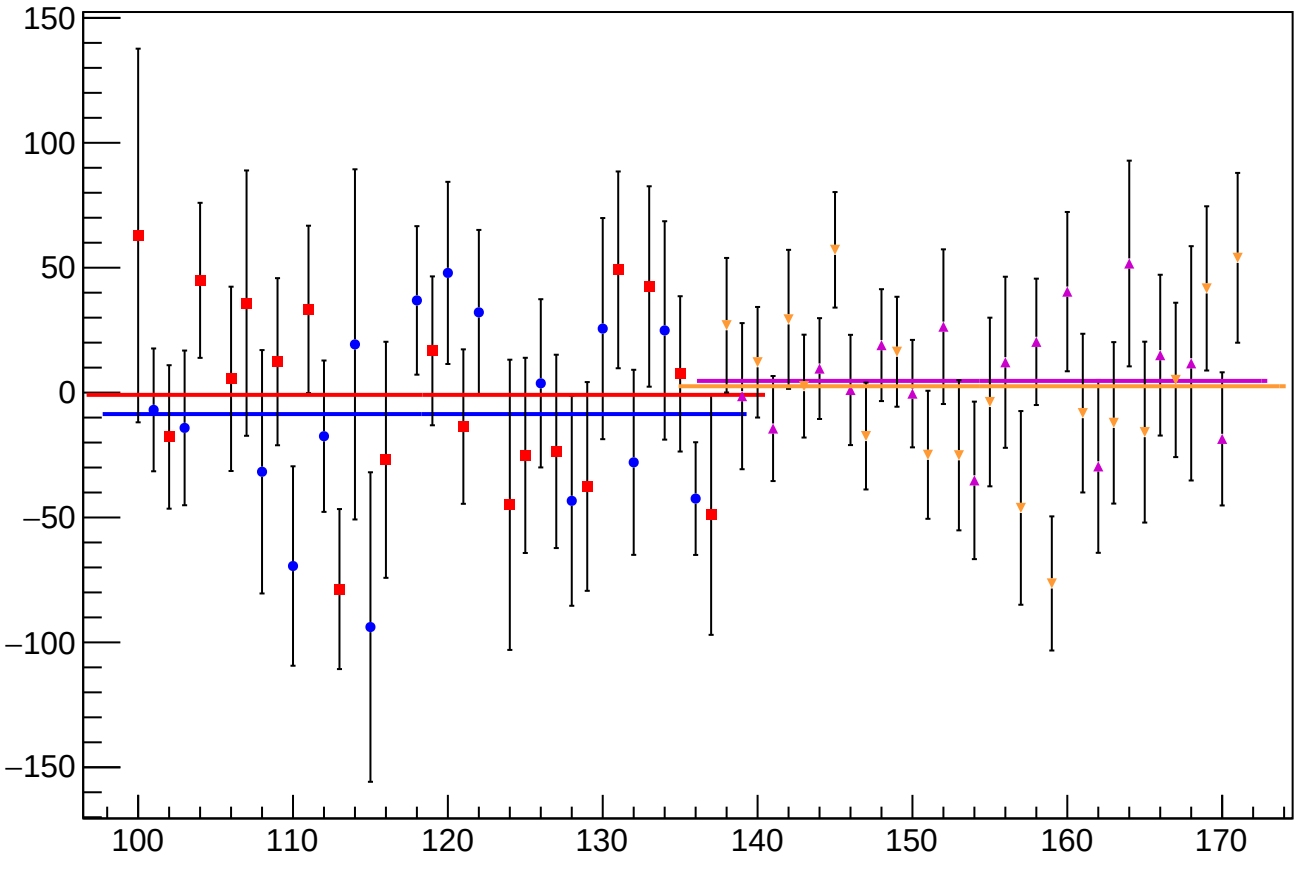
Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

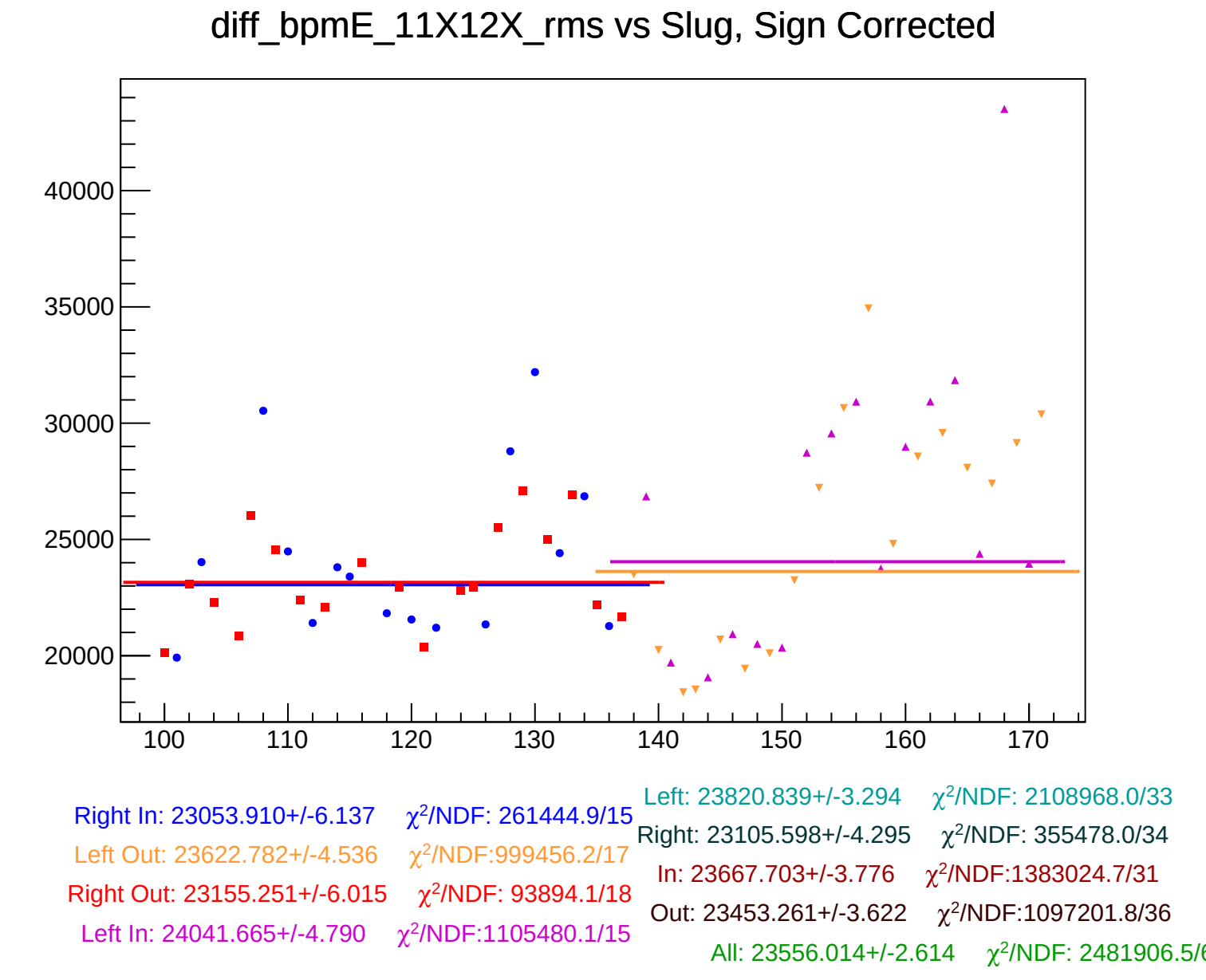
In: 0.132+/-6.773 χ^2/NDF:25.7/31

Out: 1.769+/-6.505 χ^2/NDF:41.4/36

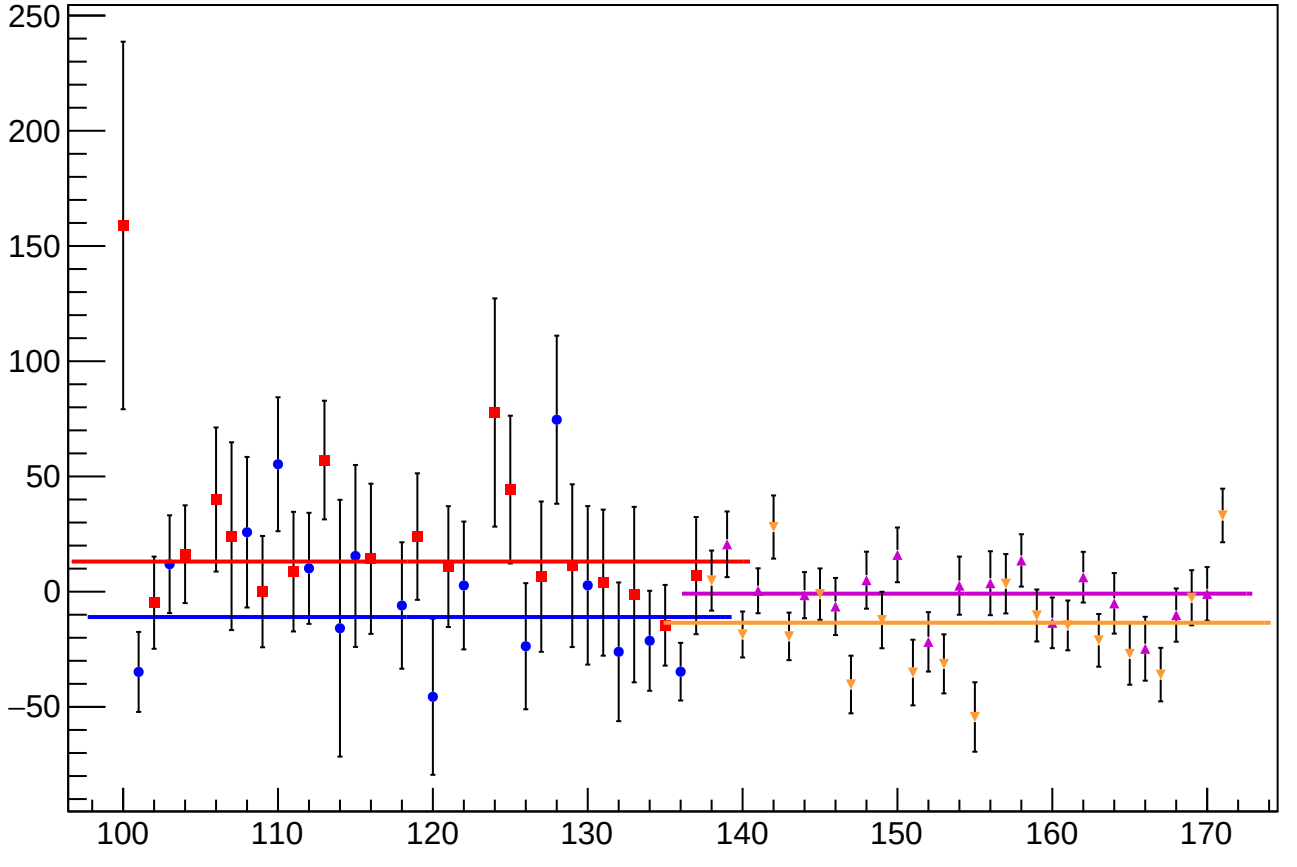
All: 0.983+/-4.692 χ^2/NDF: 67.1/68


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: 30787.672+/-6.135 χ²/NDF:1115591.5/15
Left: 30514.682+/-4.220 χ²/NDF: 2126413.7/33
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29995.217+/-4.789 χ²/NDF:1435941.0/31
Out: 29771.341+/-4.600 χ²/NDF:1132961.2/36
All: 29878.766+/-3.317 χ²/NDF: 2570038.9/6


diff_bpmE_11X12X_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -8.599+/-8.678 χ²/NDF: 15.5/15
Left Out: 2.540+/-6.415 χ²/NDF:25.3/17
Right Out: -0.904+/-8.506 χ²/NDF: 17.6/18
Left In: 4.685+/-6.774 χ²/NDF:8.4/15
Left: 3.554+/-4.658 χ²/NDF: 33.7/33
Right: -4.674+/-6.075 χ²/NDF: 33.5/34
In: -0.344+/-5.340 χ²/NDF:25.3/31
Out: 1.291+/-5.122 χ²/NDF:43.0/36
All: 0.508+/-3.696 χ²/NDF: 68.4/68


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: 24041.665+/-4.790 χ²/NDF:1105480.1/15
Left: 23820.839+/-3.294 χ²/NDF: 2108968.0/33
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23667.703+/-3.776 χ²/NDF:1383024.7/31
Out: 23453.261+/-3.622 χ²/NDF:1097201.8/36
All: 23556.014+/-2.614 χ²/NDF: 2481906.5/6

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: -0.860+/-2.972 χ^2/NDF:14.6/15

Left: -7.479+/-2.050 χ^2/NDF: 77.2/33

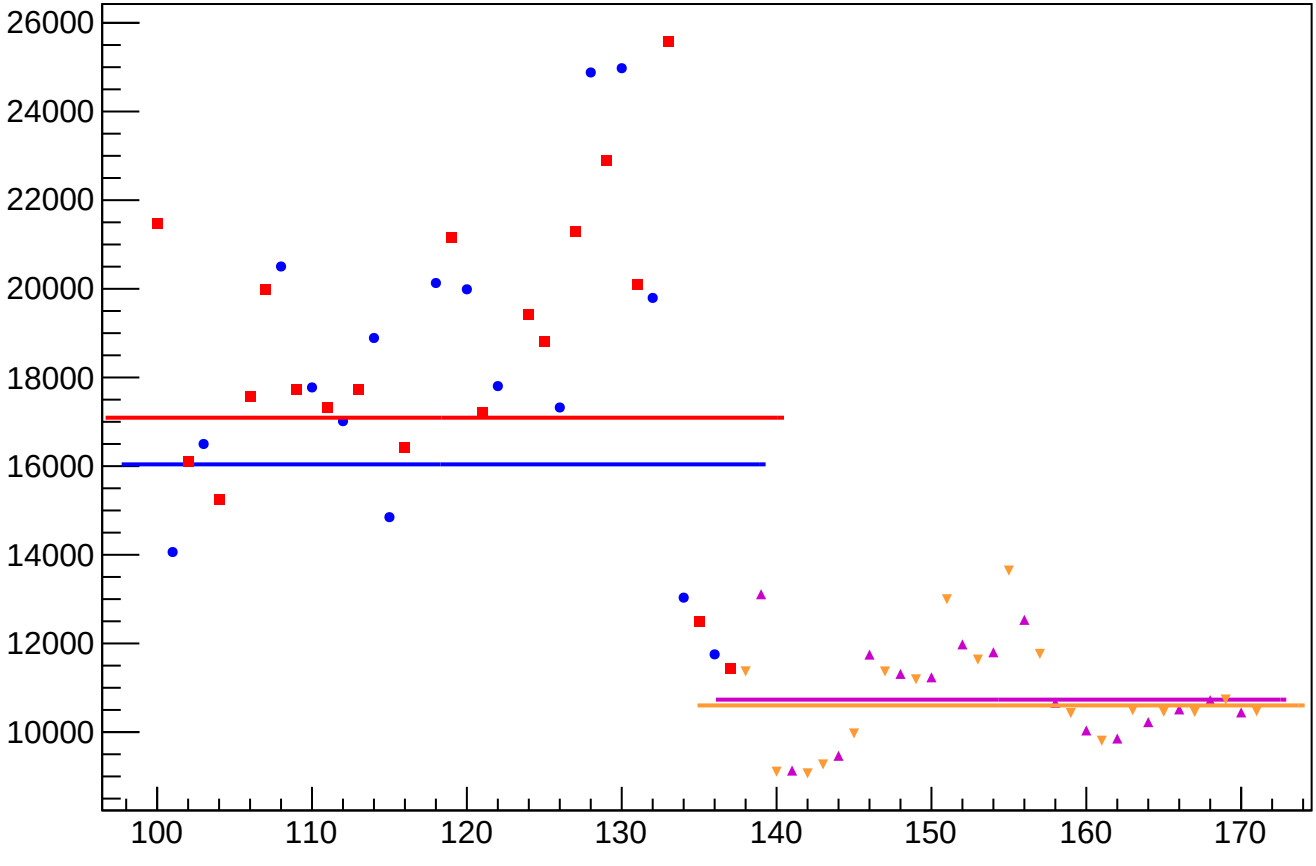
Right: 0.599+/-4.430 χ^2/NDF: 43.3/34

In: -2.778+/-2.676 χ^2/NDF:38.8/31

Out: -9.119+/-2.589 χ^2/NDF:81.4/36

All: -6.054+/-1.861 χ^2/NDF: 123.2/68

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: 10732.558+/-2.102 χ^2/NDF:255073.3/15

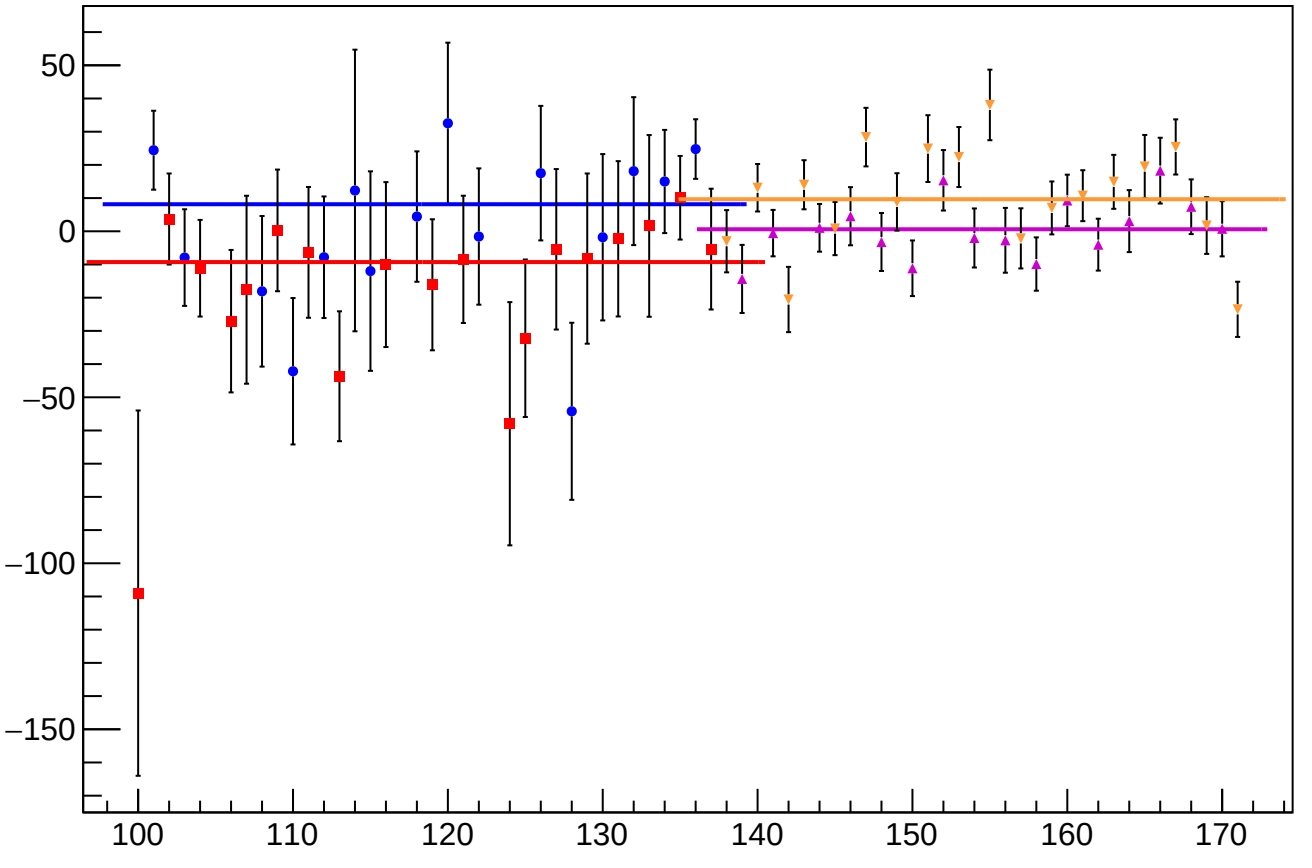
Left: 10664.217+/-1.450 χ^2/NDF: 565865.8/33

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

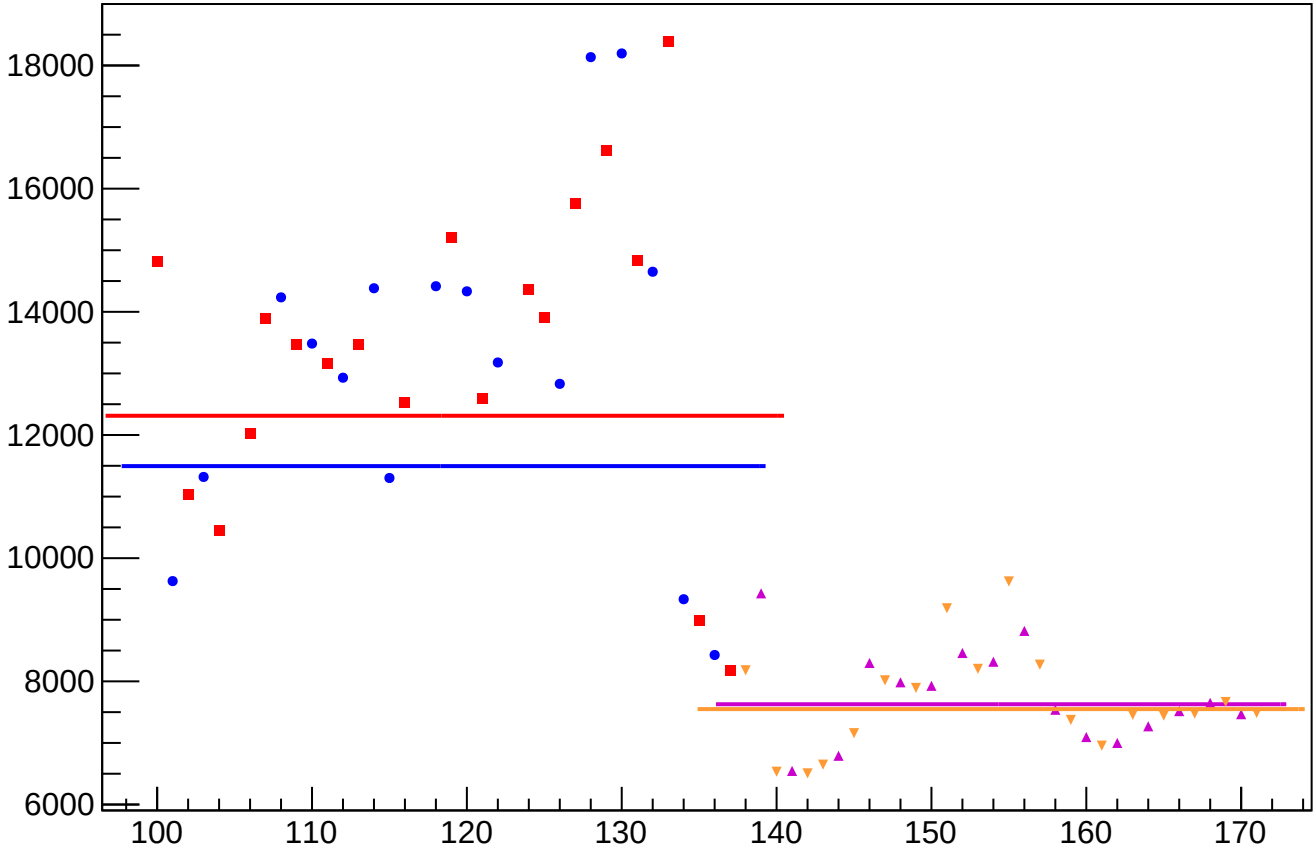
In: 11736.097+/-1.892 χ^2/NDF:2183747.2/31

Out: 11670.025+/-1.830 χ^2/NDF:2572533.6/36

All: 11701.961+/-1.316 χ^2/NDF: 4756910.5/6


diff_bpm4aediffX_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: 8.150+/-4.423 χ²/NDF: 21.8/15
Left Out: 9.661+/-2.016 χ²/NDF:52.7/17
Right Out: -9.270+/-4.607 χ²/NDF: 13.9/18
Left In: 0.614+/-2.112 χ²/NDF:14.6/15
Left: 5.348+/-1.458 χ²/NDF: 76.8/33
Right: -0.204+/-3.191 χ²/NDF: 43.1/34
In: 2.013+/-1.906 χ²/NDF:38.7/31
Out: 6.620+/-1.847 χ²/NDF:80.7/36
All: 4.389+/-1.326 χ²/NDF: 122.4/68

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: 7628.315+/-1.493 χ^2/NDF:239410.0/15

Left: 7587.032+/-1.031 χ^2/NDF: 522480.5/33

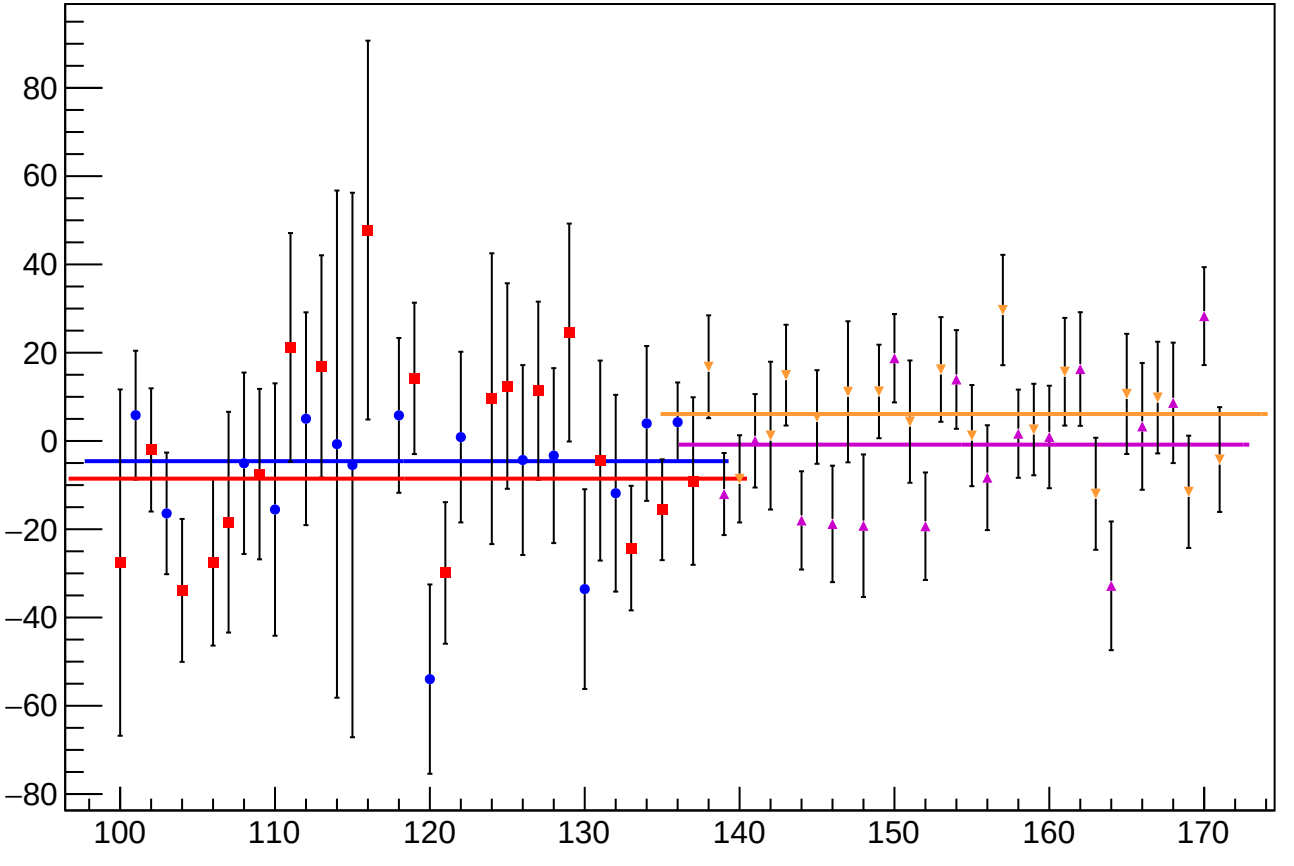
Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8346.195+/-1.348 χ^2/NDF:2274219.7/31

Out: 8314.588+/-1.306 χ^2/NDF:2674642.1/36

All: 8329.894+/-0.938 χ^2/NDF: 4949145.5/68

diff_bpm4aesumY_mean vs Slug, Sign Corrected



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: -0.831+/-2.930 χ^2/NDF:29.4/15

Left: 2.744+/-2.039 χ^2/NDF: 46.4/33

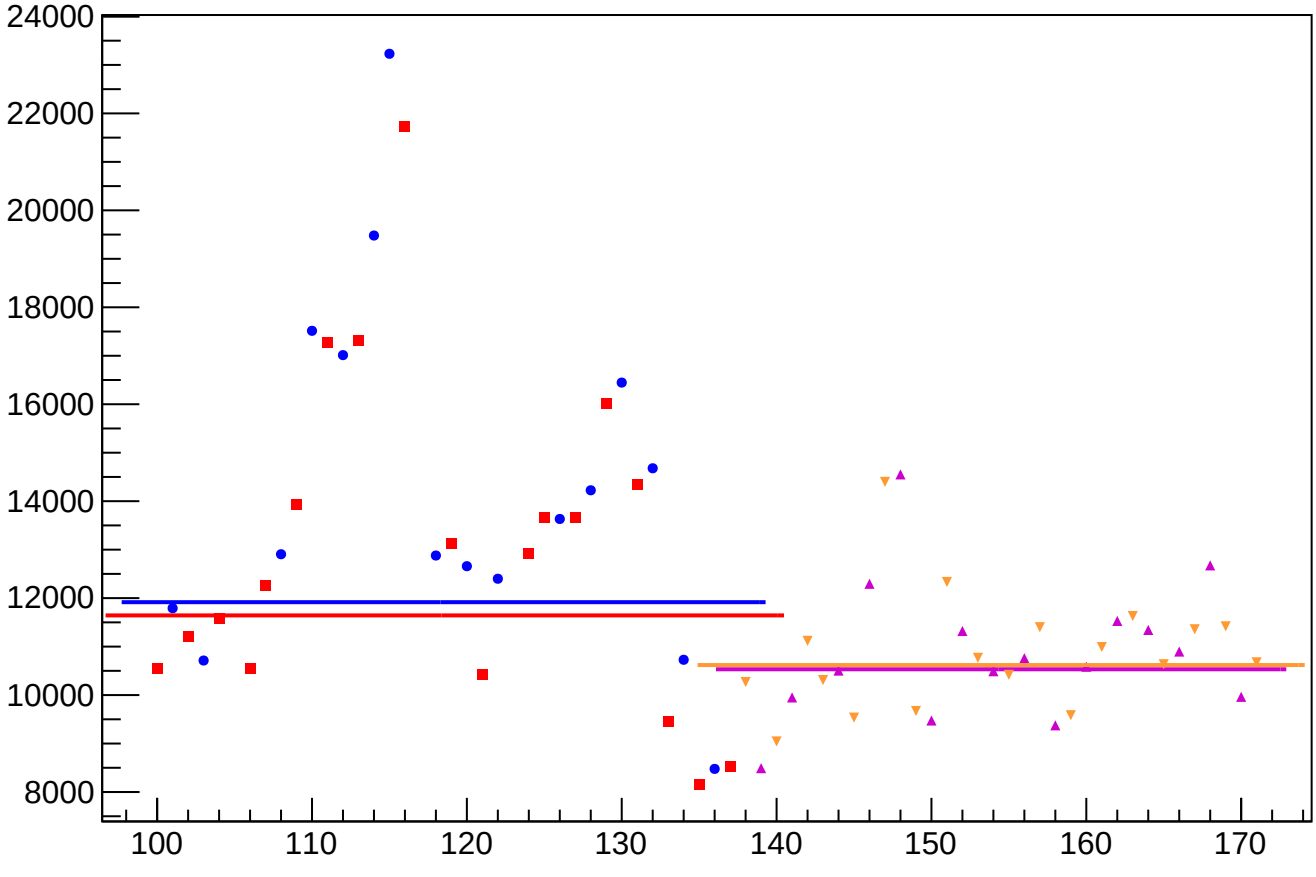
Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.929+/-2.464 χ^2/NDF:40.1/31

Out: 1.787+/-2.384 χ^2/NDF:39.2/36

All: -0.010+/-1.714 χ^2/NDF: 80.5/68

diff_bpm4aesumY_rms vs Slug, Sign Corrected



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: 10531.970+/-2.072 χ^2/NDF:394273.8/15

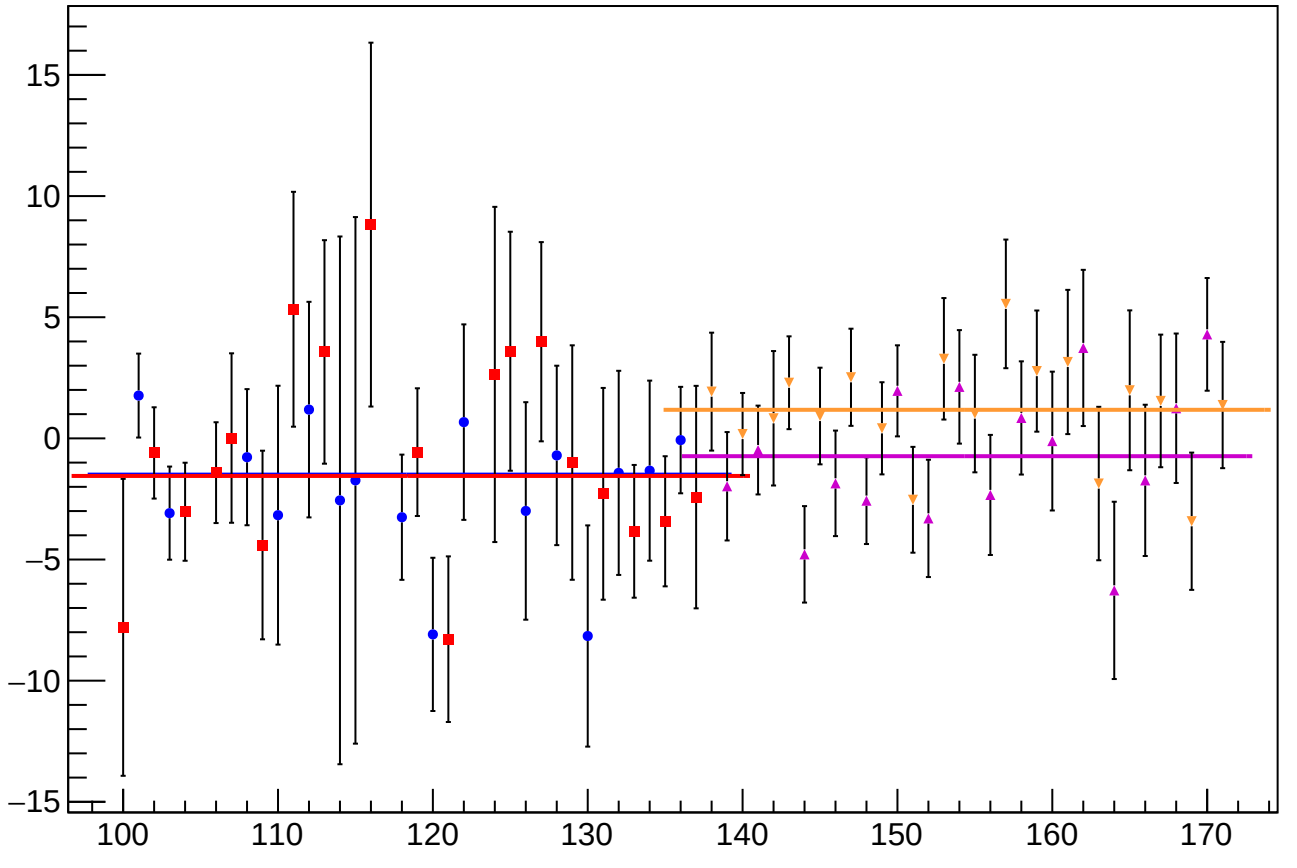
Left: 10577.110+/-1.442 χ^2/NDF: 688468.4/33

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10937.346+/-1.743 χ^2/NDF:1274749.5/31

Out: 10921.295+/-1.686 χ^2/NDF:1160324.6/36

All: 10929.056+/-1.212 χ^2/NDF: 2435117.8/6



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: -0.735+/-0.583 χ^2/NDF:20.8/15

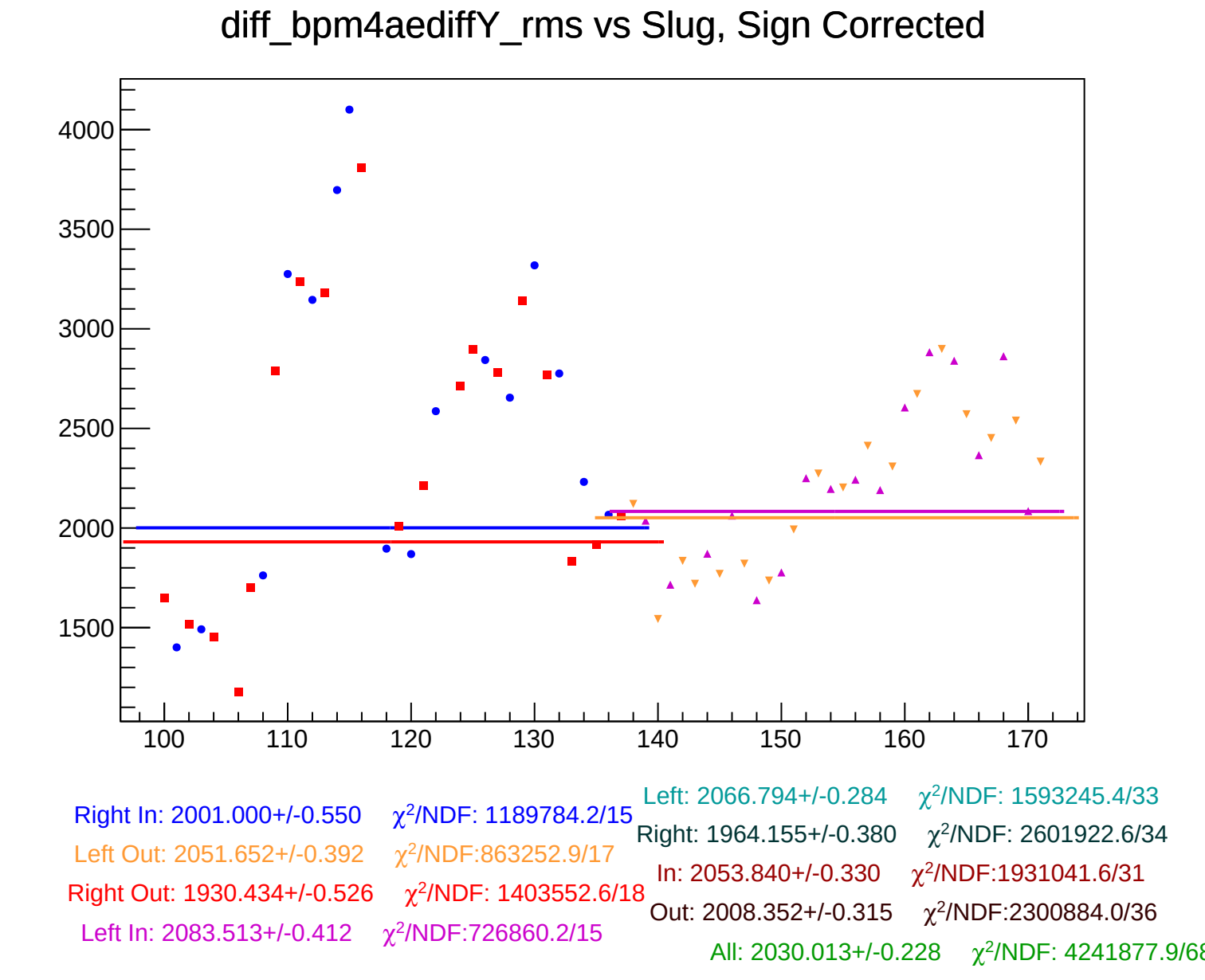
Left: 0.269+/-0.402 χ^2/NDF: 38.7/33

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

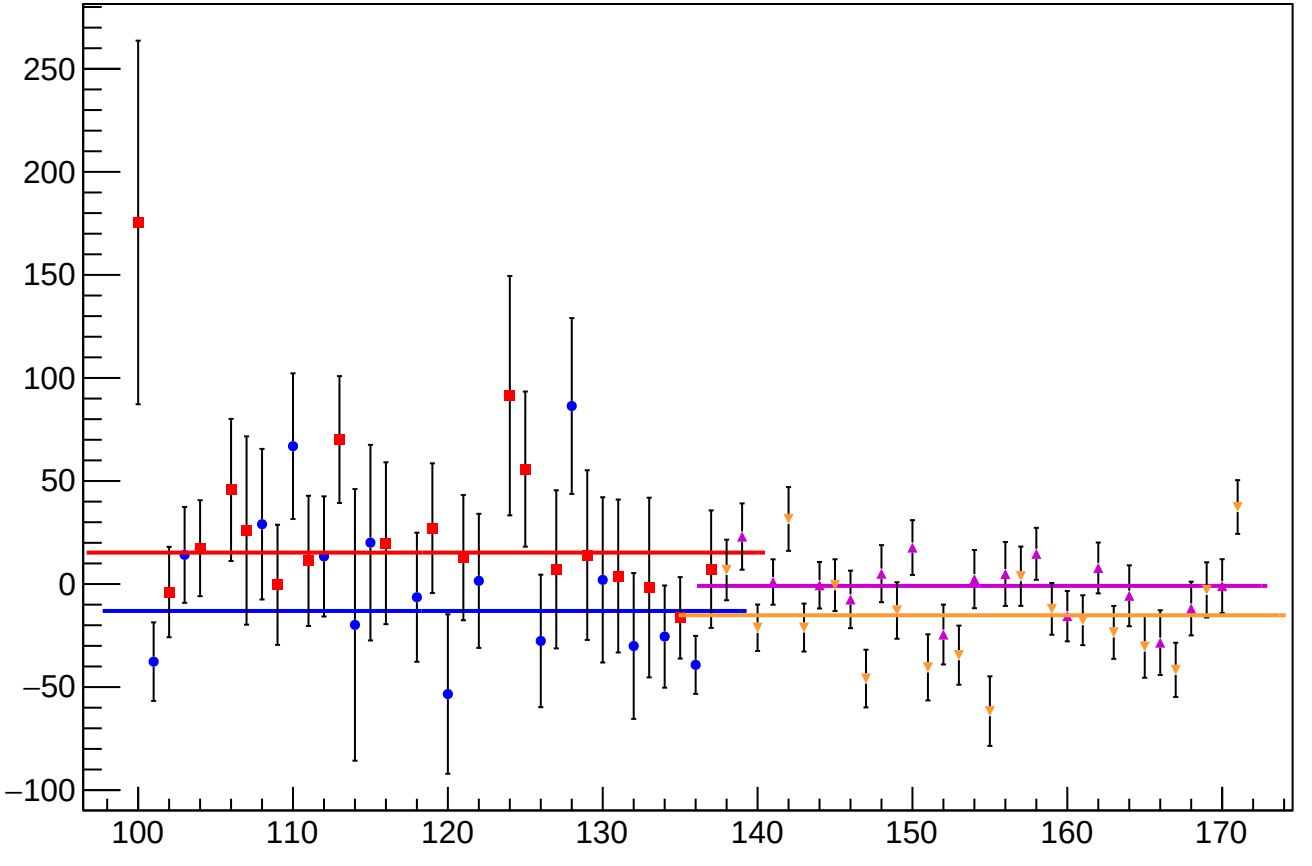
In: -1.009+/-0.467 χ^2/NDF:34.0/31

Out: 0.204+/-0.445 χ^2/NDF:37.1/36

All: -0.374+/-0.322 χ^2/NDF: 74.7/68


diff_bpm4aediffY_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
100
110
120
130
140
150
160
170
Right In: 2001.000+/-0.550 χ²/NDF: 1189784.2/15
Left Out: 2051.652+/-0.392 χ²/NDF:863252.9/17
Right Out: 1930.434+/-0.526 χ²/NDF: 1403552.6/18
Left In: 2083.513+/-0.412 χ²/NDF:726860.2/15
Left: 2066.794+/-0.284 χ²/NDF: 1593245.4/33
Right: 1964.155+/-0.380 χ²/NDF: 2601922.6/34
In: 2053.840+/-0.330 χ²/NDF:1931041.6/31
Out: 2008.352+/-0.315 χ²/NDF:2300884.0/36
All: 2030.013+/-0.228 χ²/NDF: 4241877.9/68

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -15.148+/-3.182 χ^2/NDF:54.4/17

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: -0.901+/-3.336 χ^2/NDF:14.8/15

Left: -8.362+/-2.303 χ^2/NDF: 78.7/33

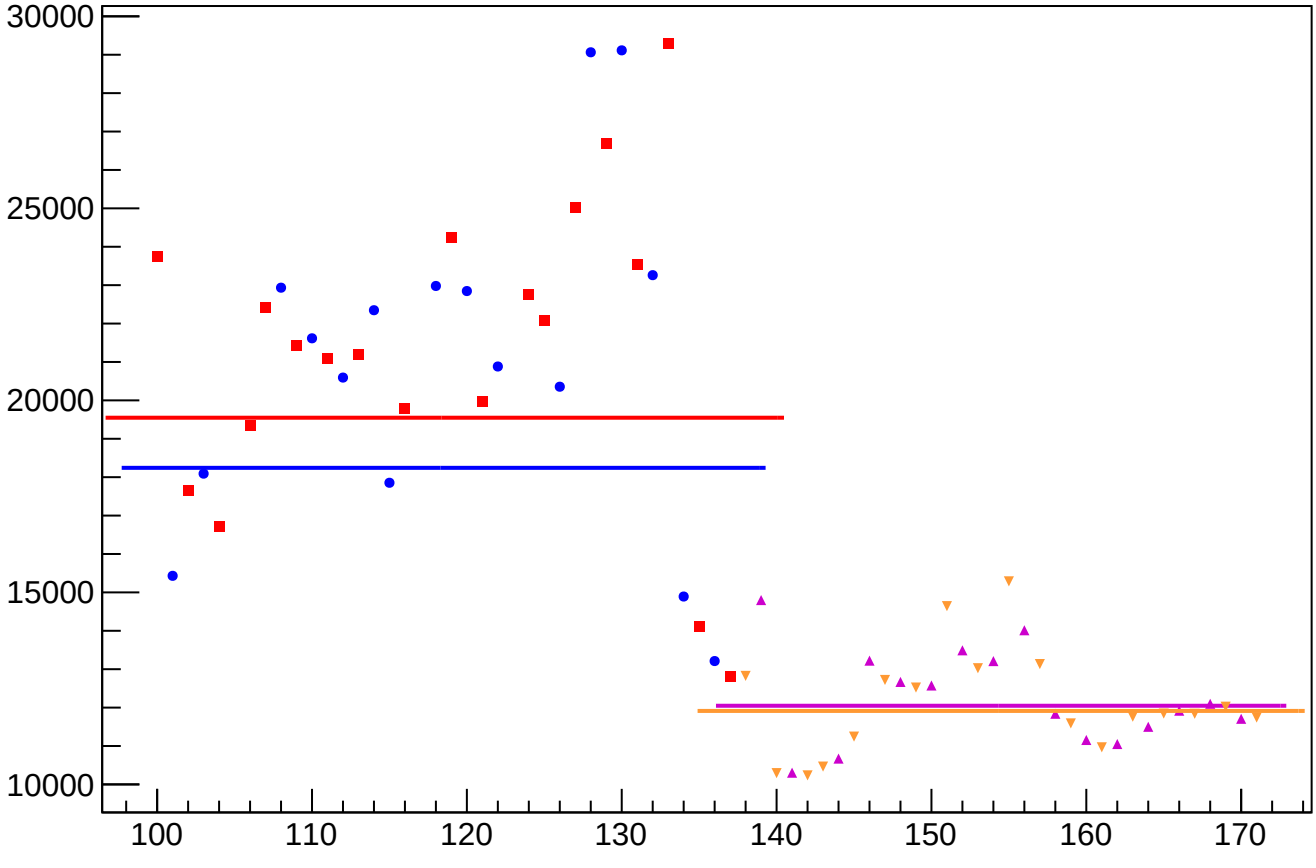
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -3.139+/-3.014 χ^2/NDF:39.1/31

Out: -10.318+/-2.918 χ^2/NDF:83.2/36

All: -6.844+/-2.096 χ^2/NDF: 125.3/68

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: 12048.312+/-2.359 χ^2/NDF:253568.0/15

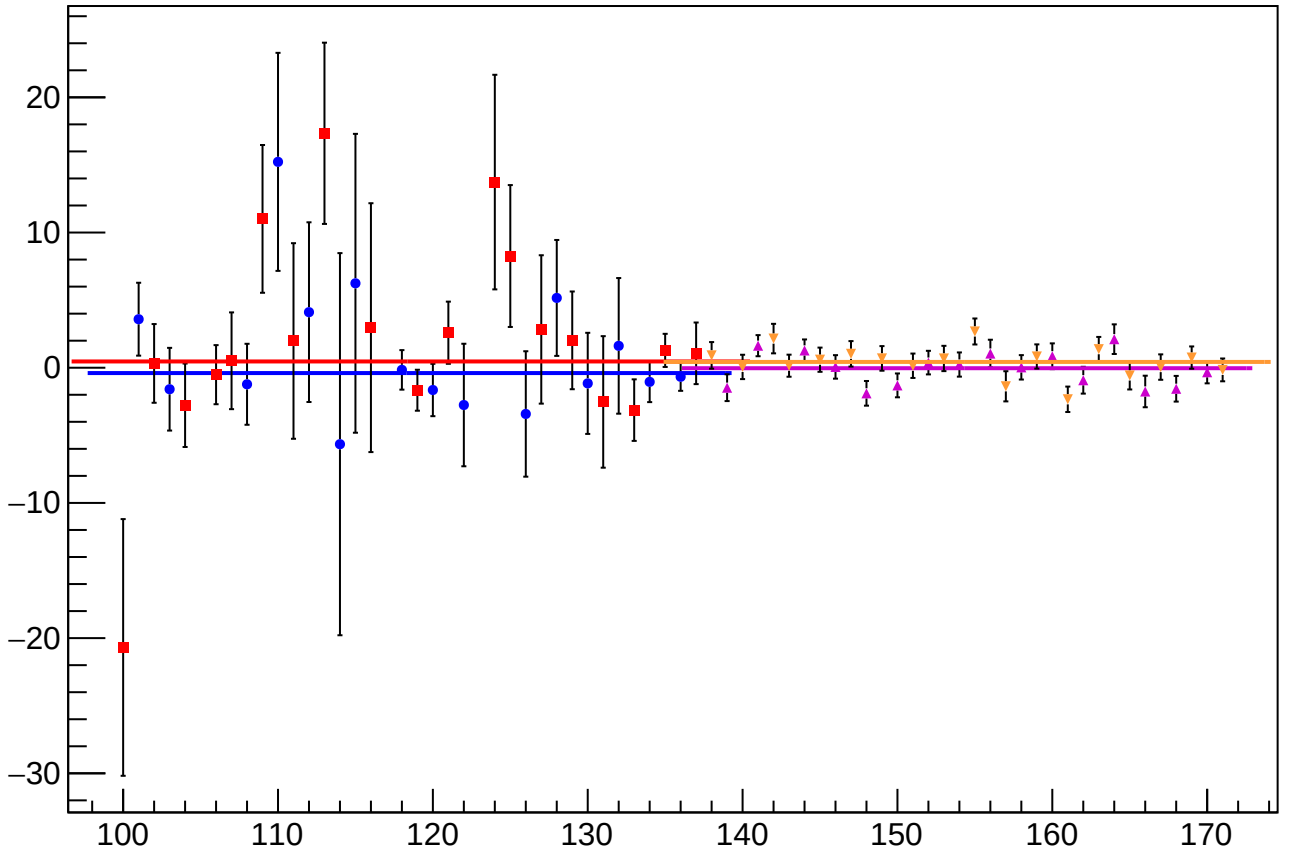
Left: 11977.657+/-1.628 χ^2/NDF: 553774.0/33

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 13188.107+/-2.131 χ^2/NDF:2342073.7/31

Out: 13126.451+/-2.063 χ^2/NDF:2750022.1/36

All: 13156.282+/-1.482 χ^2/NDF: 5092527.9/6



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: -0.036+/-0.229 χ^2/NDF:27.3/15

Left: 0.208+/-0.158 χ^2/NDF: 53.0/33

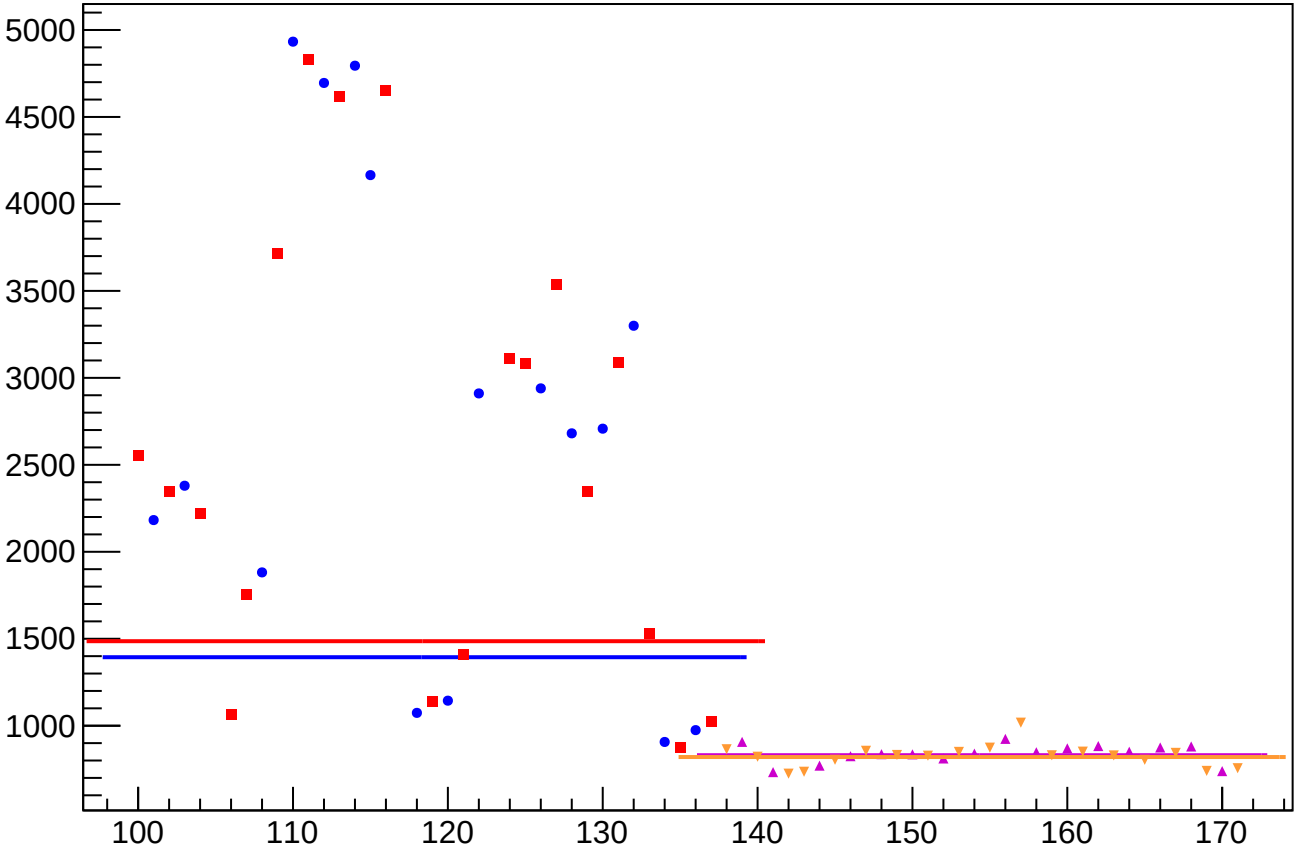
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.082+/-0.214 χ^2/NDF:38.0/31

Out: 0.433+/-0.206 χ^2/NDF:51.5/36

All: 0.185+/-0.149 χ^2/NDF: 92.6/68

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: 830.528+/-0.162 χ^2/NDF:115770.8/15

Left: 825.002+/-0.112 χ^2/NDF: 268757.0/33

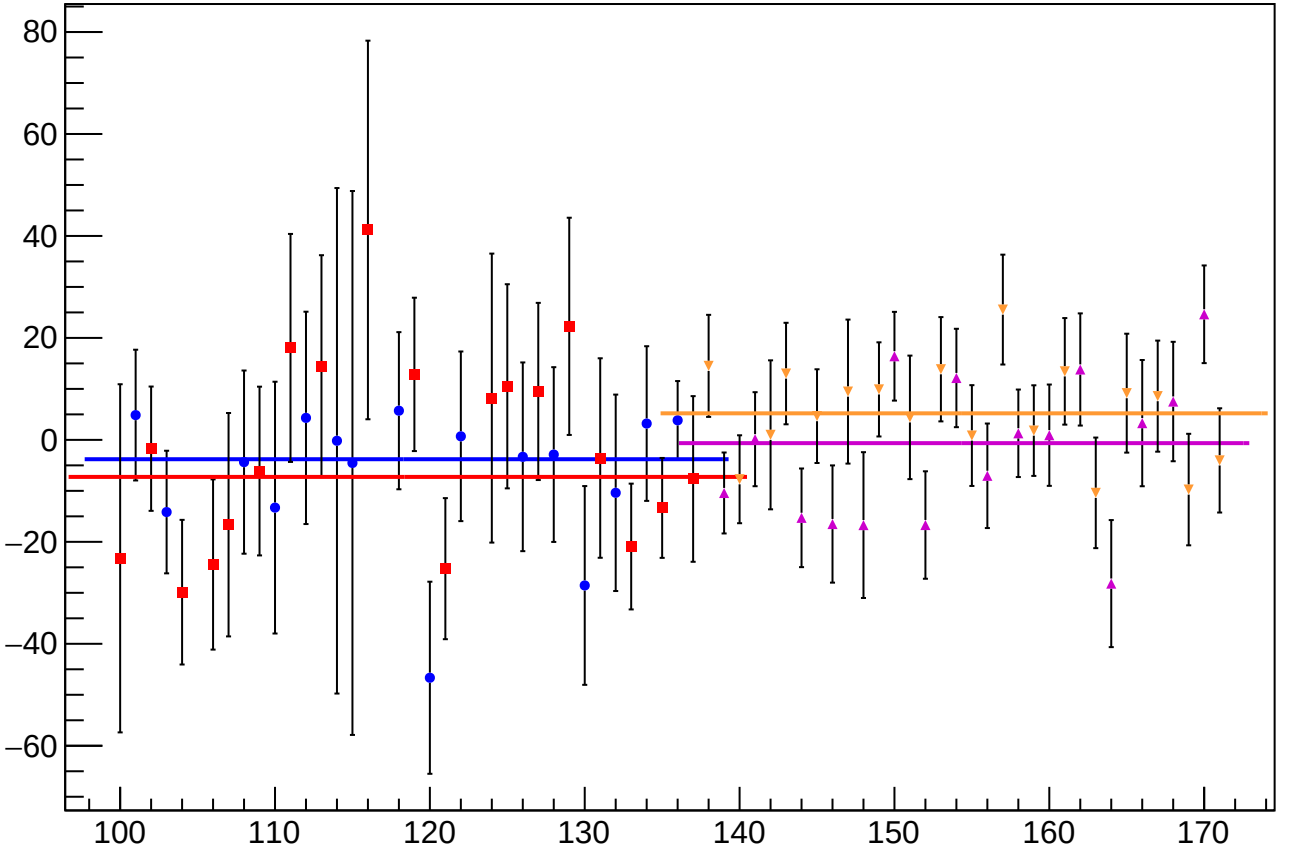
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 902.389+/-0.152 χ^2/NDF:5034518.6/31

Out: 890.629+/-0.146 χ^2/NDF:5523122.4/36

All: 896.288+/-0.105 χ^2/NDF: 10560764.5/68

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: -0.640+/-2.529 χ^2/NDF:29.5/15

Left: 2.371+/-1.761 χ^2/NDF: 46.6/33

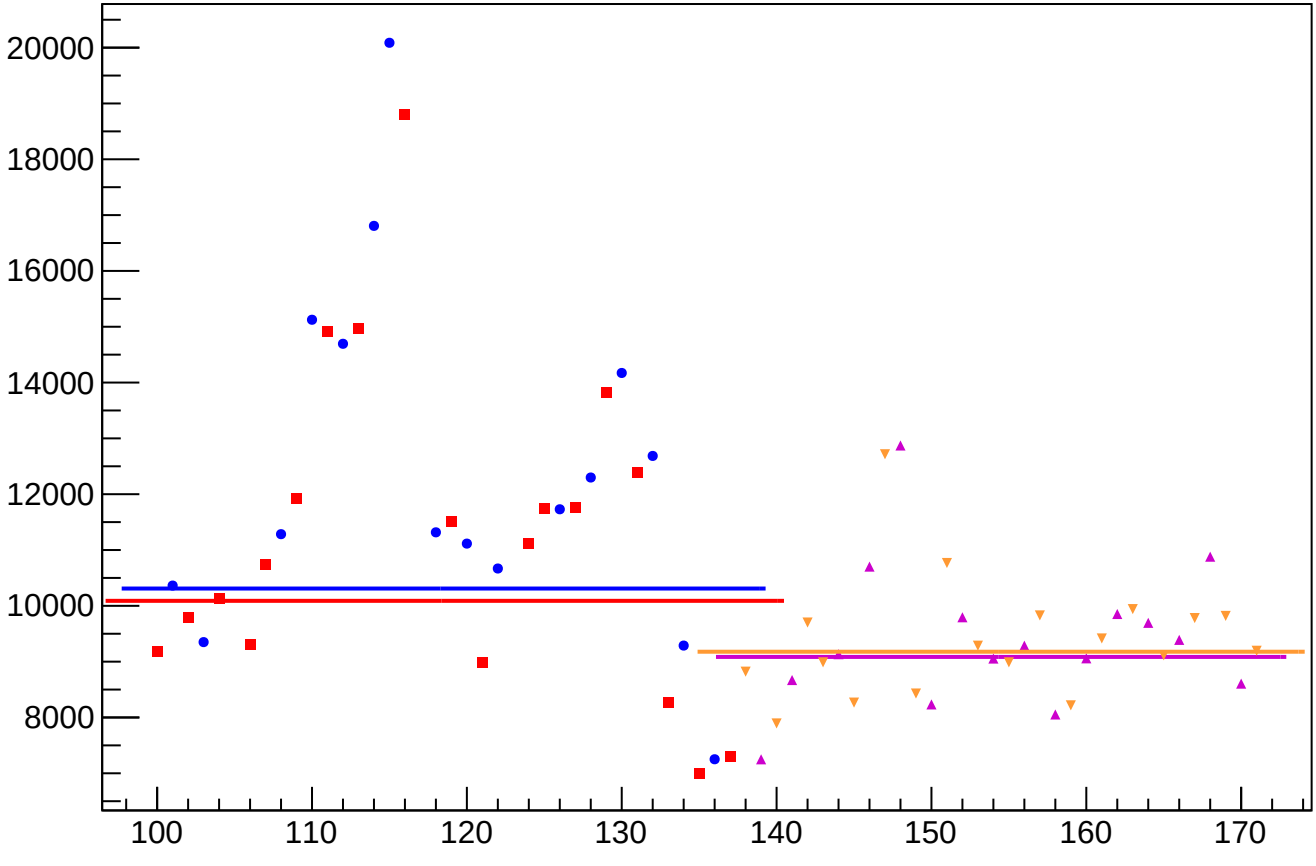
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.560+/-2.129 χ^2/NDF:40.0/31

Out: 1.545+/-2.063 χ^2/NDF:39.2/36

All: 0.042+/-1.481 χ^2/NDF: 80.3/68

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: 9084.804+/-1.788 χ^2/NDF:416449.4/15

Left: 9132.766+/-1.245 χ^2/NDF: 716446.1/33

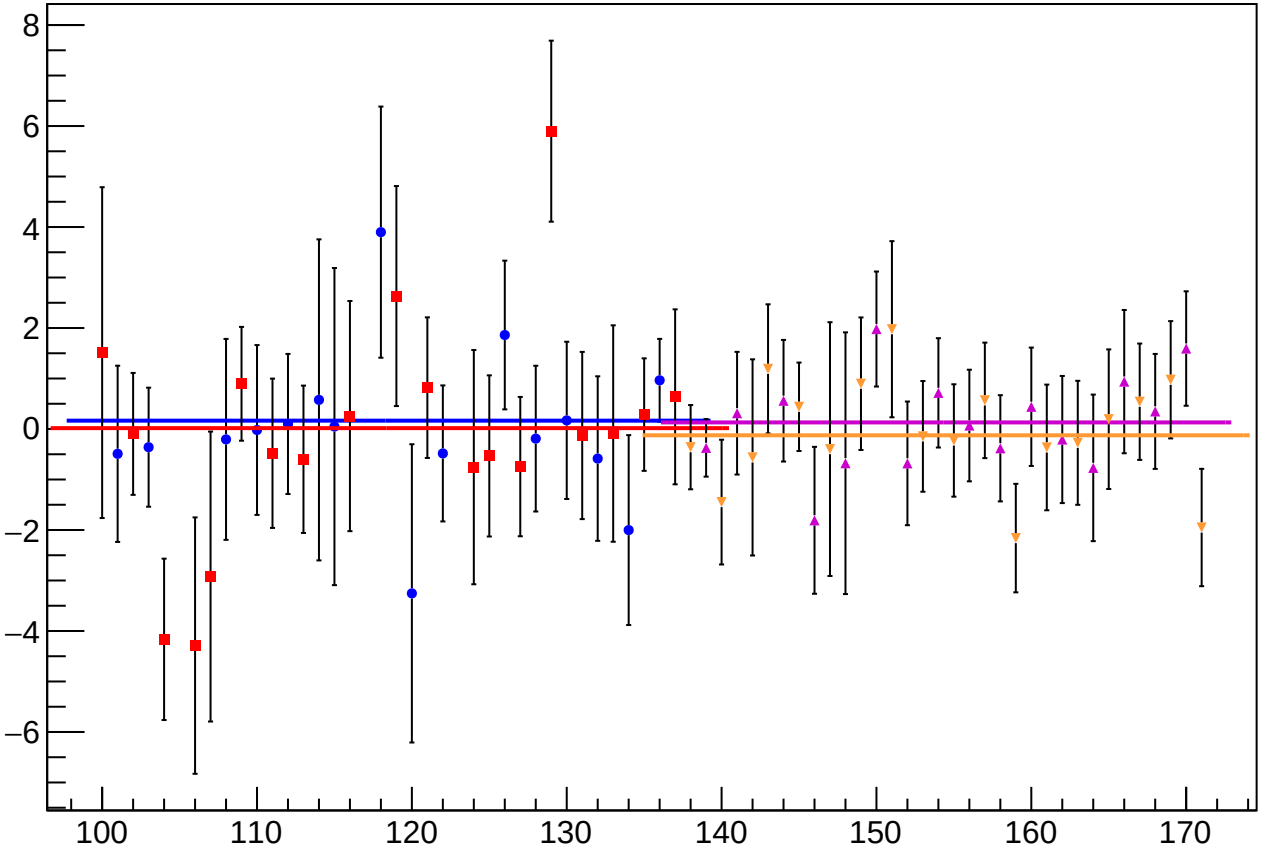
Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9441.932+/-1.505 χ^2/NDF:1323768.4/31

Out: 9445.576+/-1.459 χ^2/NDF:1172409.5/36

All: 9443.811+/-1.048 χ^2/NDF: 2496181.0/68

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.124+/-0.281 χ^2/NDF:12.6/17

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.130+/-0.278 χ^2/NDF:9.0/15

Left: 0.004+/-0.197 χ^2/NDF: 22.0/33

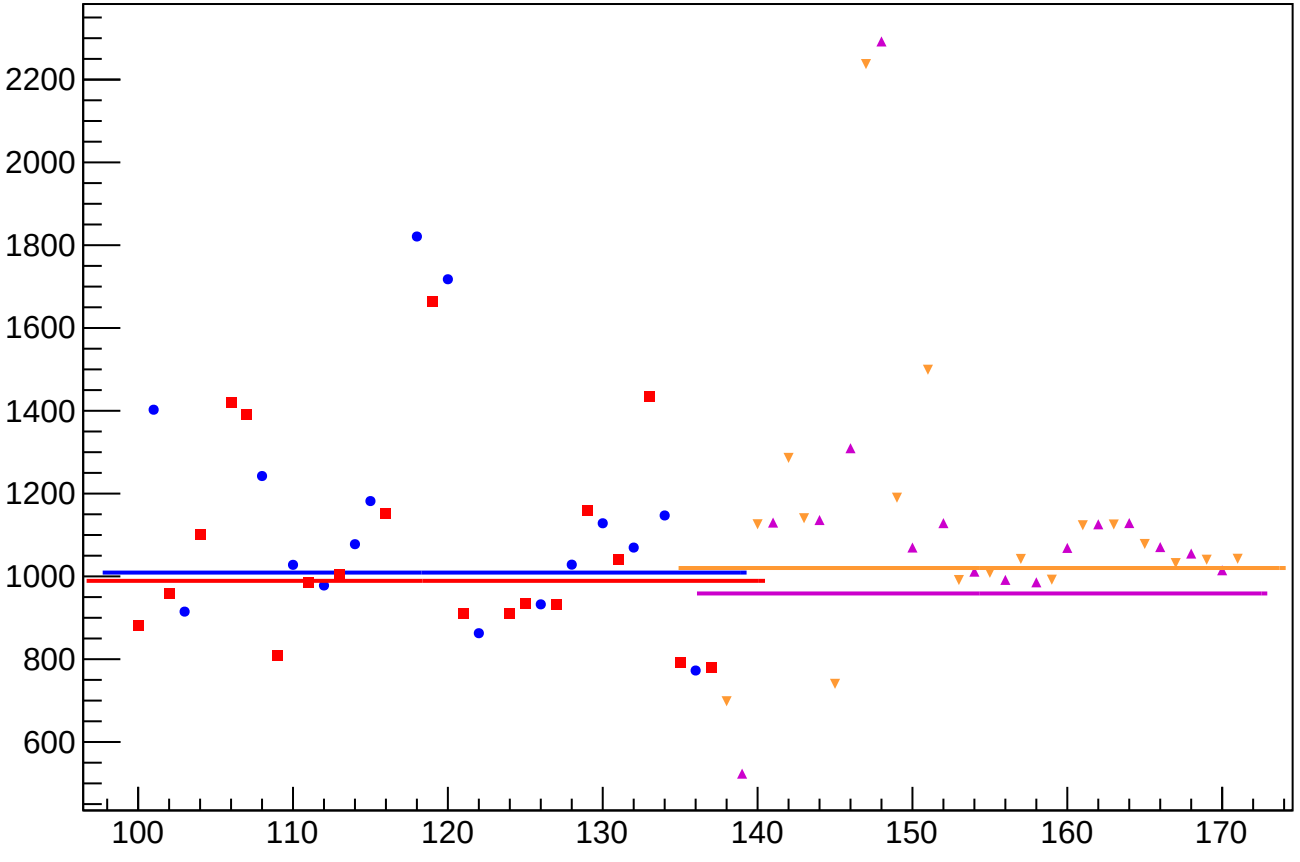
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.142+/-0.226 χ^2/NDF:17.1/31

Out: -0.073+/-0.224 χ^2/NDF:37.9/36

All: 0.034+/-0.159 χ^2/NDF: 55.4/68

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: 958.766+/-0.196 χ^2/NDF:2070993.0/15

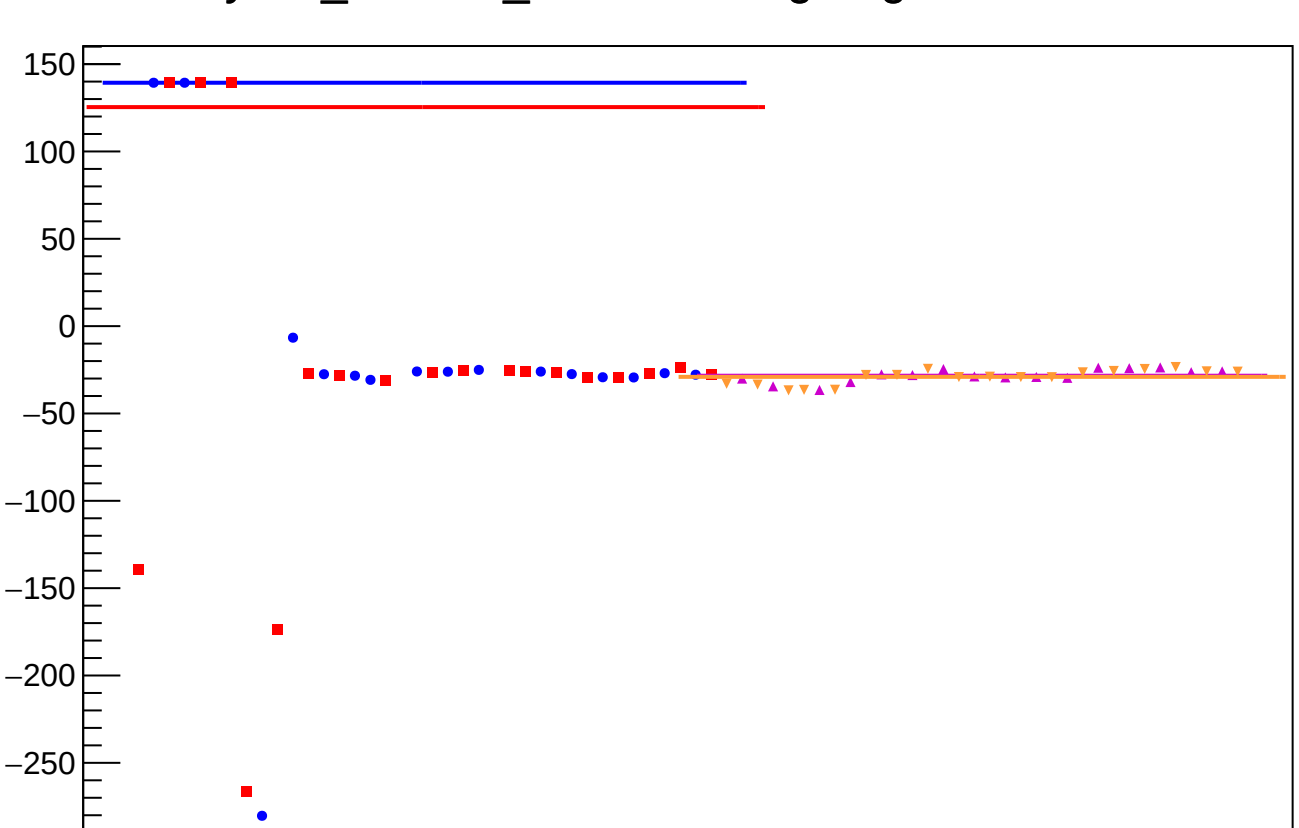
Left: 989.177+/-0.140 χ^2/NDF: 3381976.9/33

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

In: 975.964+/-0.159 χ^2/NDF:2792785.0/31

Out: 1009.006+/-0.159 χ^2/NDF:1847130.0/36

All: 992.585+/-0.112 χ^2/NDF: 4661506.6/68



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: -28.386+/-0.000 χ^2/NDF:97523337.6/15

Left: -28.729+/-0.000 χ^2/NDF: 234605092.2/33

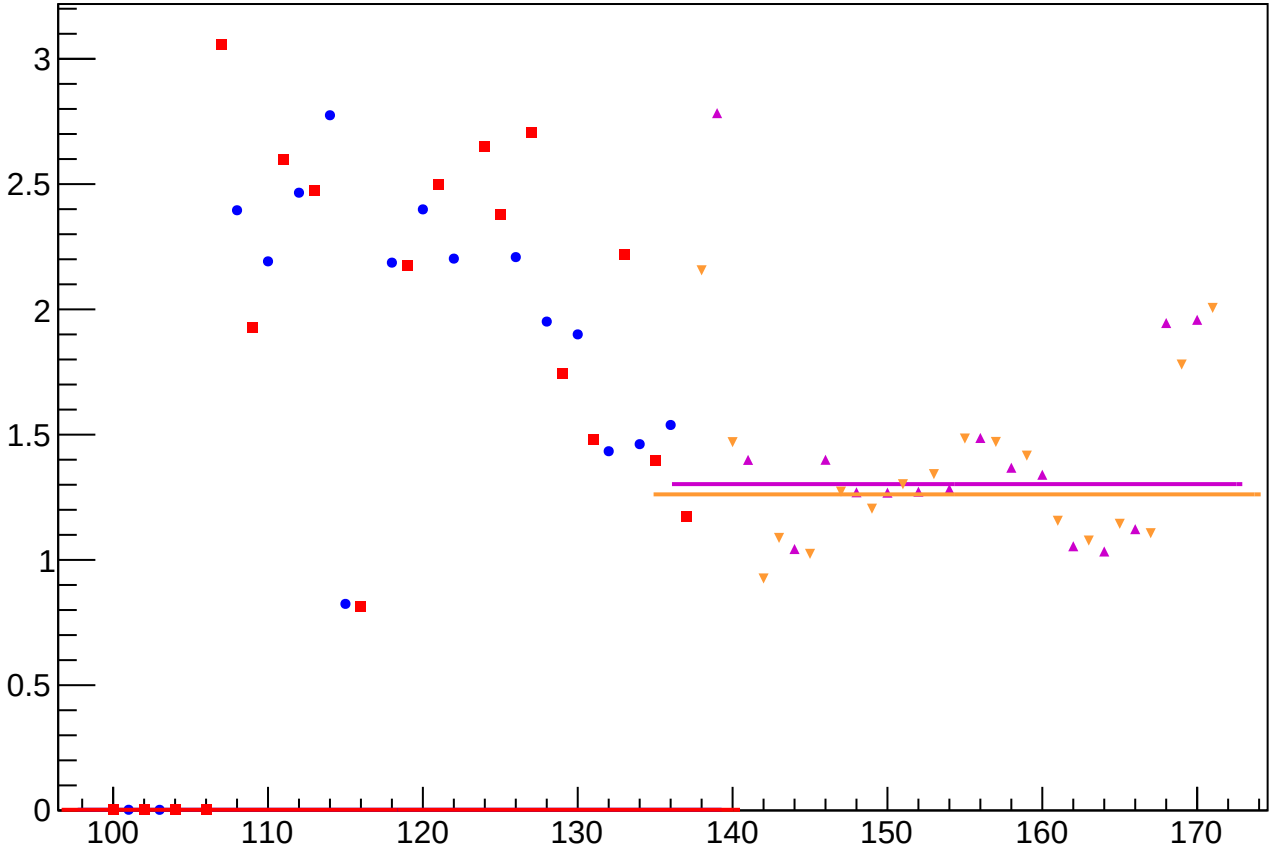
Right: 131.818+/-0.000 χ^2/NDF: 793004999492497

In: 139.331+/-0.000 χ^2/NDF:219388384422.1/31

Out: 125.387+/-0.000 χ^2/NDF:774340130277420.

All: 131.813+/-0.000 χ^2/NDF: 793343395910

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: 1.303+/-0.000 χ^2/NDF:1064683.9/15

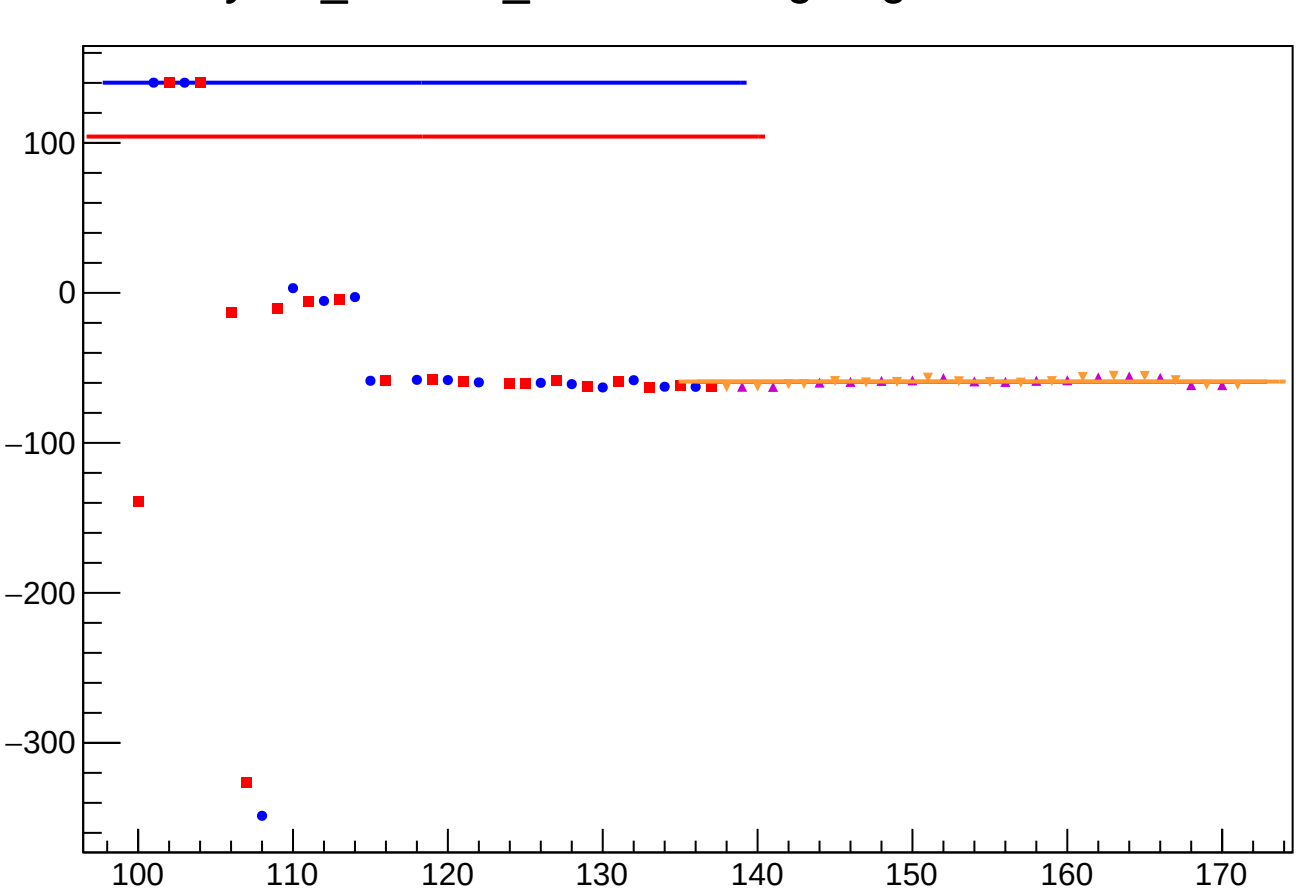
Left: 1.281+/-0.000 χ^2/NDF: 1973486.2/33

Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:31317413.2/31

Out: 0.003+/-0.000 χ^2/NDF:32816260.5/36

All: 0.003+/-0.000 χ^2/NDF: 64133886.6/68



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: -59.258+/-0.000 χ^2/NDF:118877960.2/15

Left: -59.184+/-0.000 χ^2/NDF: 261127959.2/33

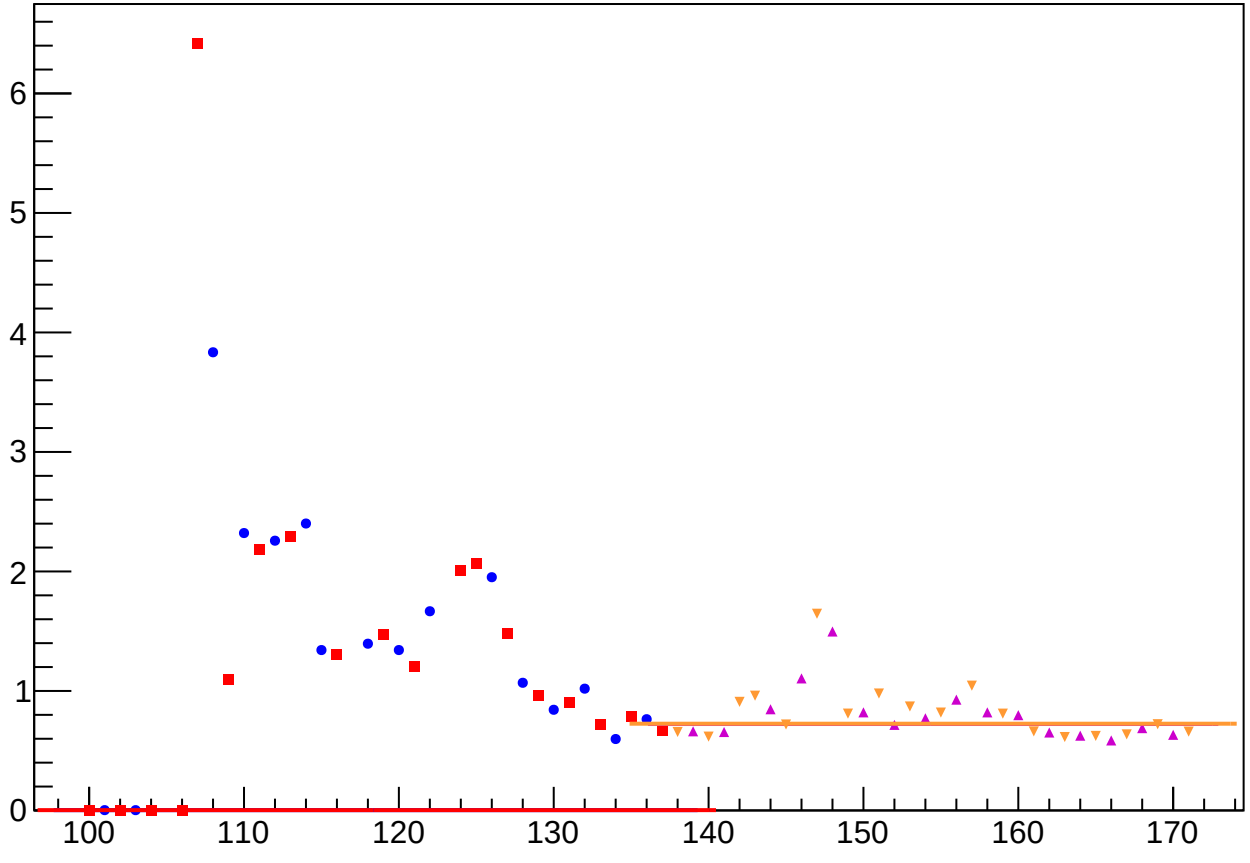
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.121+/-0.000 χ^2/NDF:991450906712.5/31

Out: 104.207+/-0.000 χ^2/NDF:125797848776532

All: 120.812+/-0.000 χ^2/NDF: 138225131303

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: 0.723+/-0.000 χ^2/NDF:839588.9/15

Left: 0.725+/-0.000 χ^2/NDF: 1867961.7/33

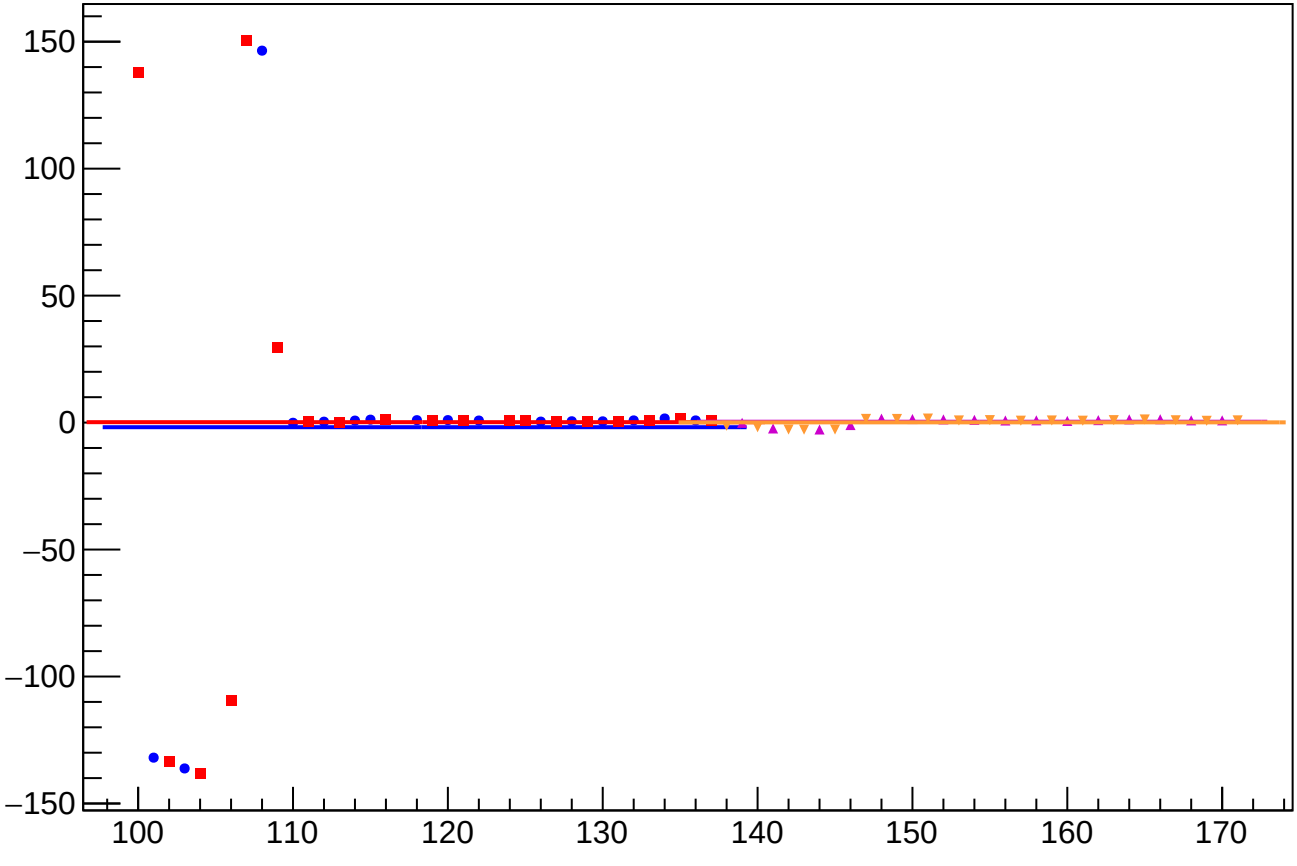
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:32418800.1/31

Out: 0.003+/-0.000 χ^2/NDF:33898317.3/36

All: 0.003+/-0.000 χ^2/NDF: 66317412.1/68

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: 0.342+/-0.000 χ^2/NDF:70201101.5/15

Left: 0.207+/-0.000 χ^2/NDF: 171740527.9/33

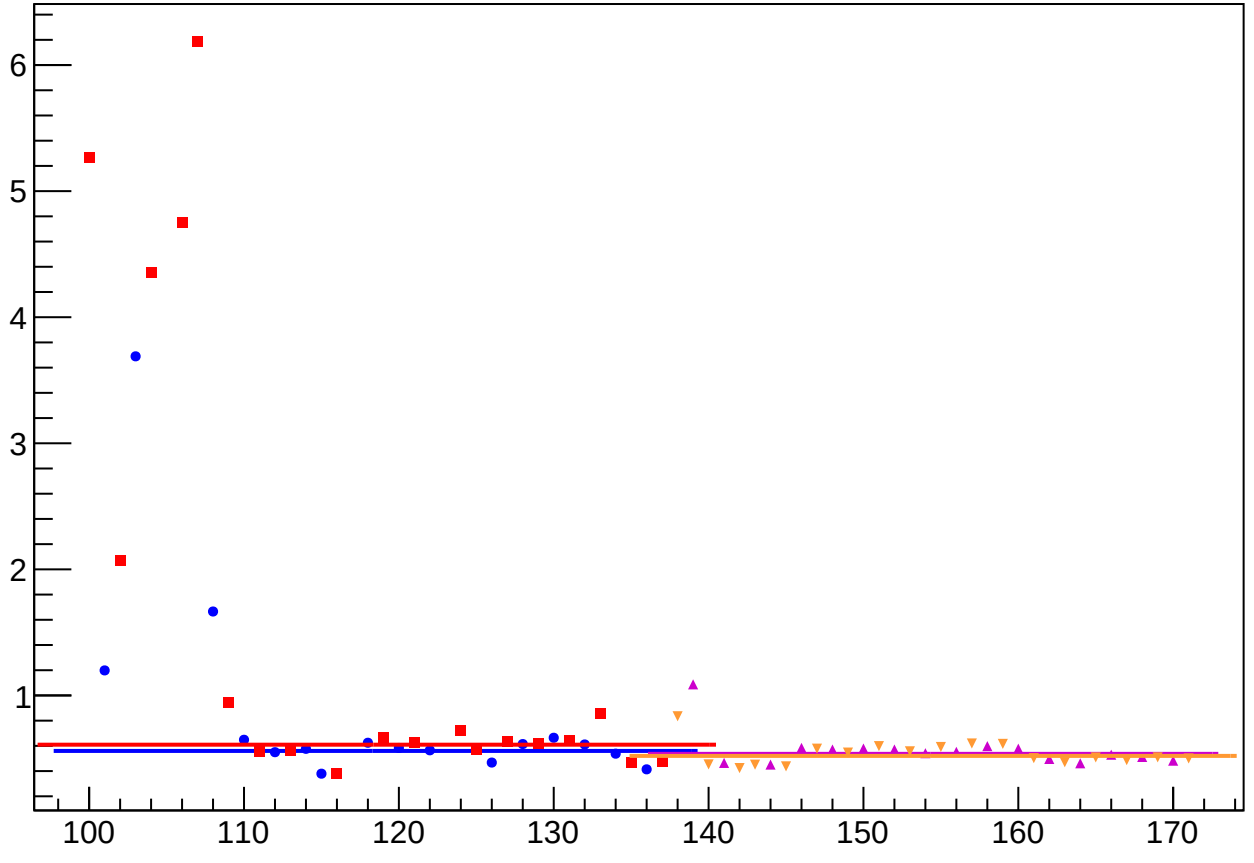
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.317+/-0.000 χ^2/NDF:10009686267.7/31

Out: 0.107+/-0.000 χ^2/NDF:3711585040.7/36

All: -0.100+/-0.000 χ^2/NDF: 13726126705.7/

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: 0.537+/-0.000 χ^2/NDF:614557.6/15

Left: 0.528+/-0.000 χ^2/NDF: 1102386.7/33

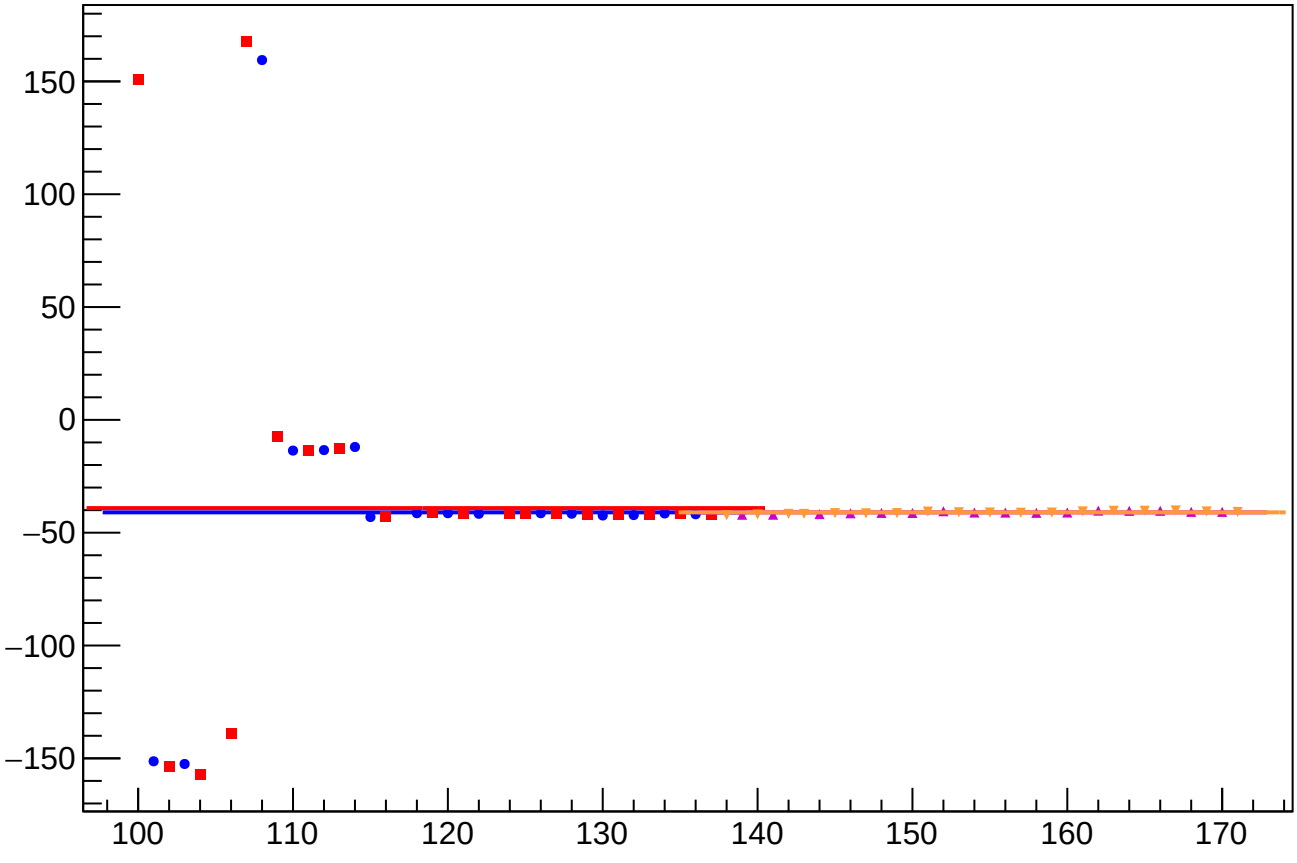
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.544+/-0.000 χ^2/NDF:2225079.8/31

Out: 0.542+/-0.000 χ^2/NDF:3113942.4/36

All: 0.543+/-0.000 χ^2/NDF: 5339182.1/68

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: -41.006+/-0.000 χ^2/NDF:27657354.7/15

Left: -40.998+/-0.000 χ^2/NDF: 58810480.3/33

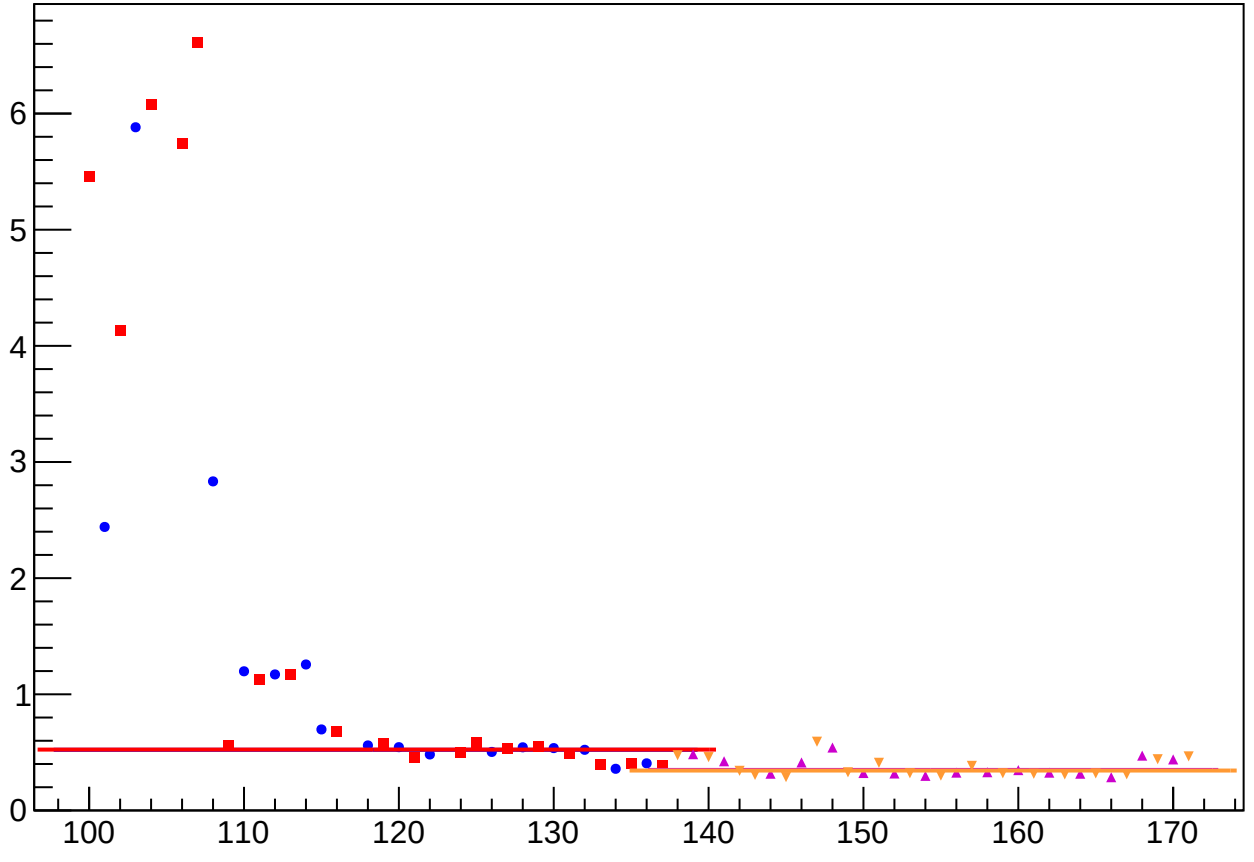
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -41.003+/-0.000 χ^2/NDF:3477284877.4/31

Out: -40.728+/-0.000 χ^2/NDF:2566334919.4/36

All: -40.859+/-0.000 χ^2/NDF: 6048270769.9/

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: 0.349+/-0.000 χ^2/NDF:759894.0/15

Left: 0.346+/-0.000 χ^2/NDF: 1672162.4/33

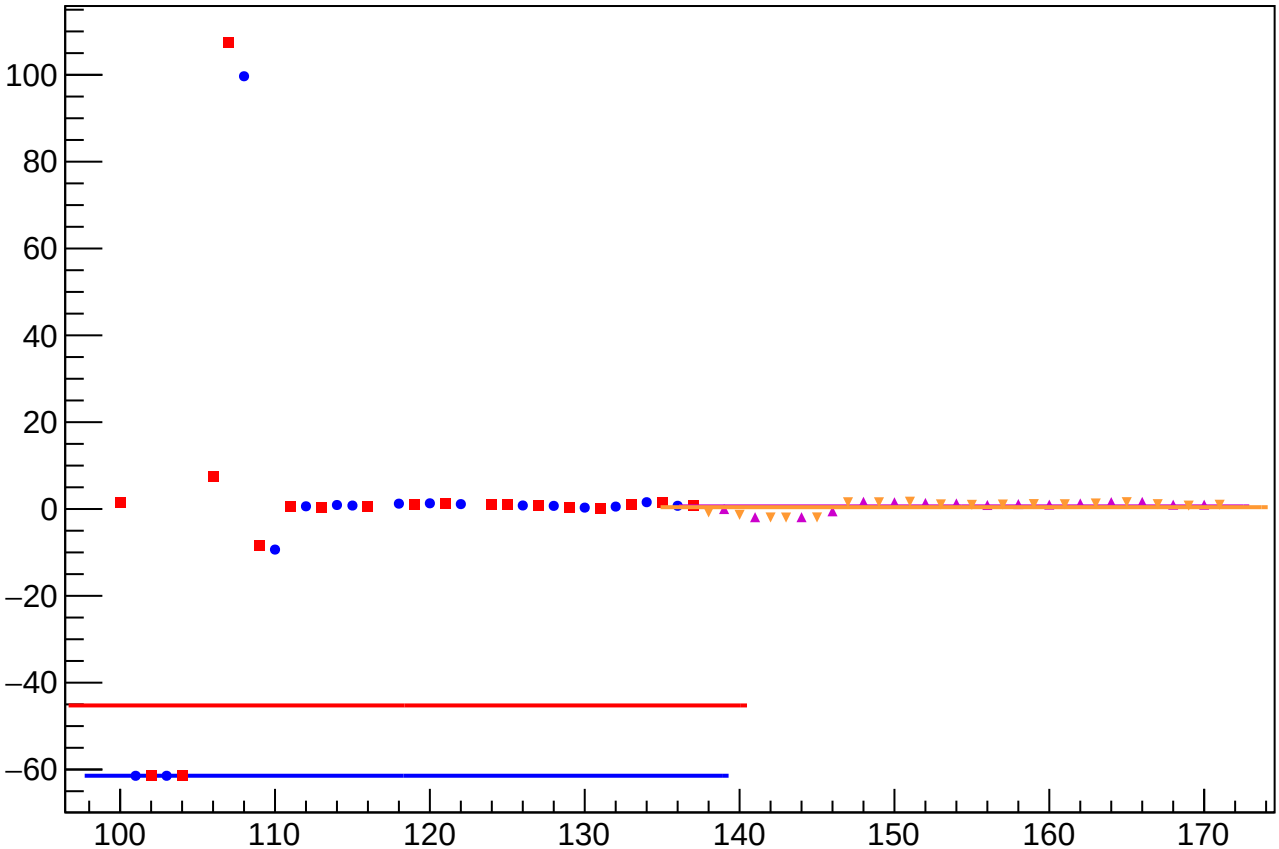
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.376+/-0.000 χ^2/NDF:4642102.8/31

Out: 0.369+/-0.000 χ^2/NDF:5176079.3/36

All: 0.372+/-0.000 χ^2/NDF: 9824602.0/68

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: 0.610+/-0.000 χ^2/NDF:77245913.3/15

Left: 0.507+/-0.000 χ^2/NDF: 180341454.1/33

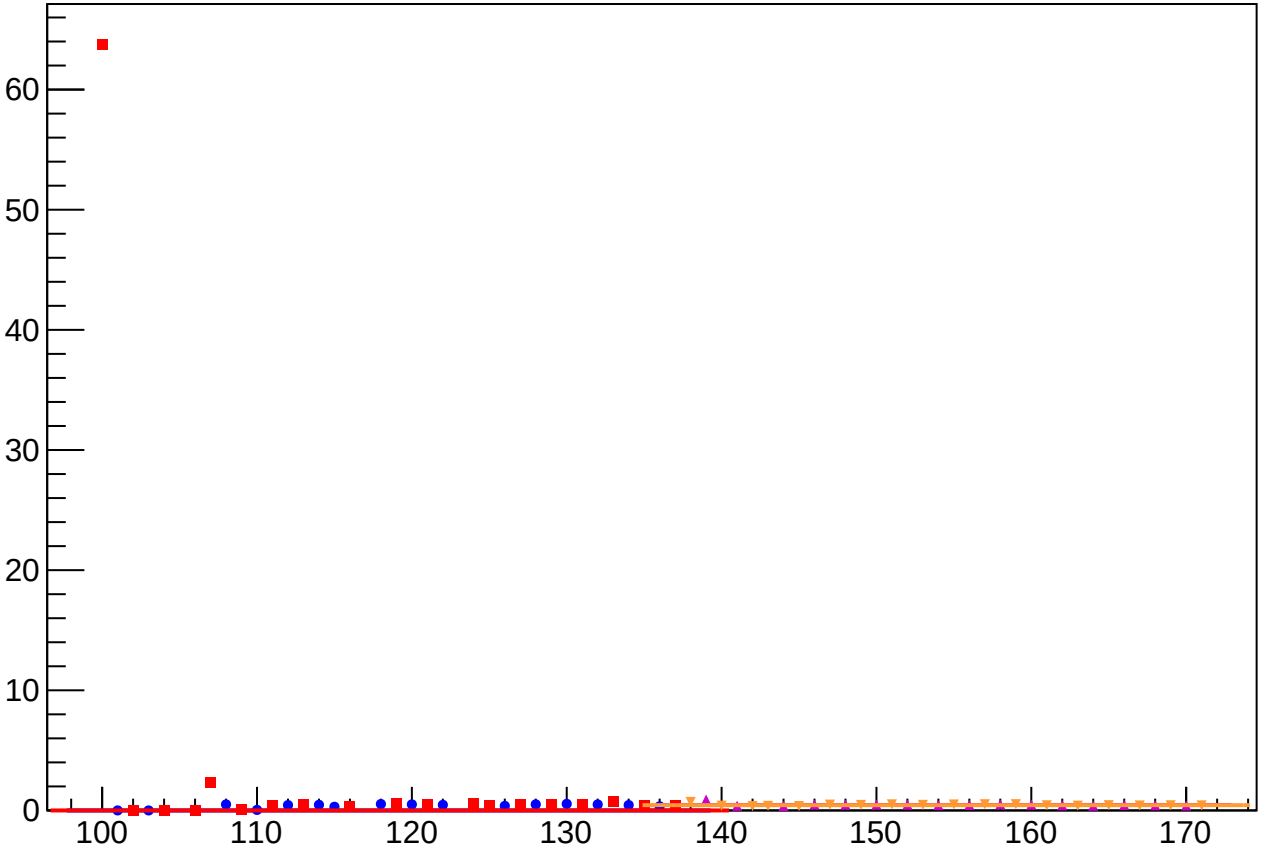
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.427+/-0.000 χ^2/NDF:470804737931.5/31

Out: -45.239+/-0.000 χ^2/NDF:357992839895401.5

All: -52.742+/-0.000 χ^2/NDF: 409433914401

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: 0.455+/-0.000 χ^2/NDF:584696.1/15

Left: 0.447+/-0.000 χ^2/NDF: 1062480.6/33

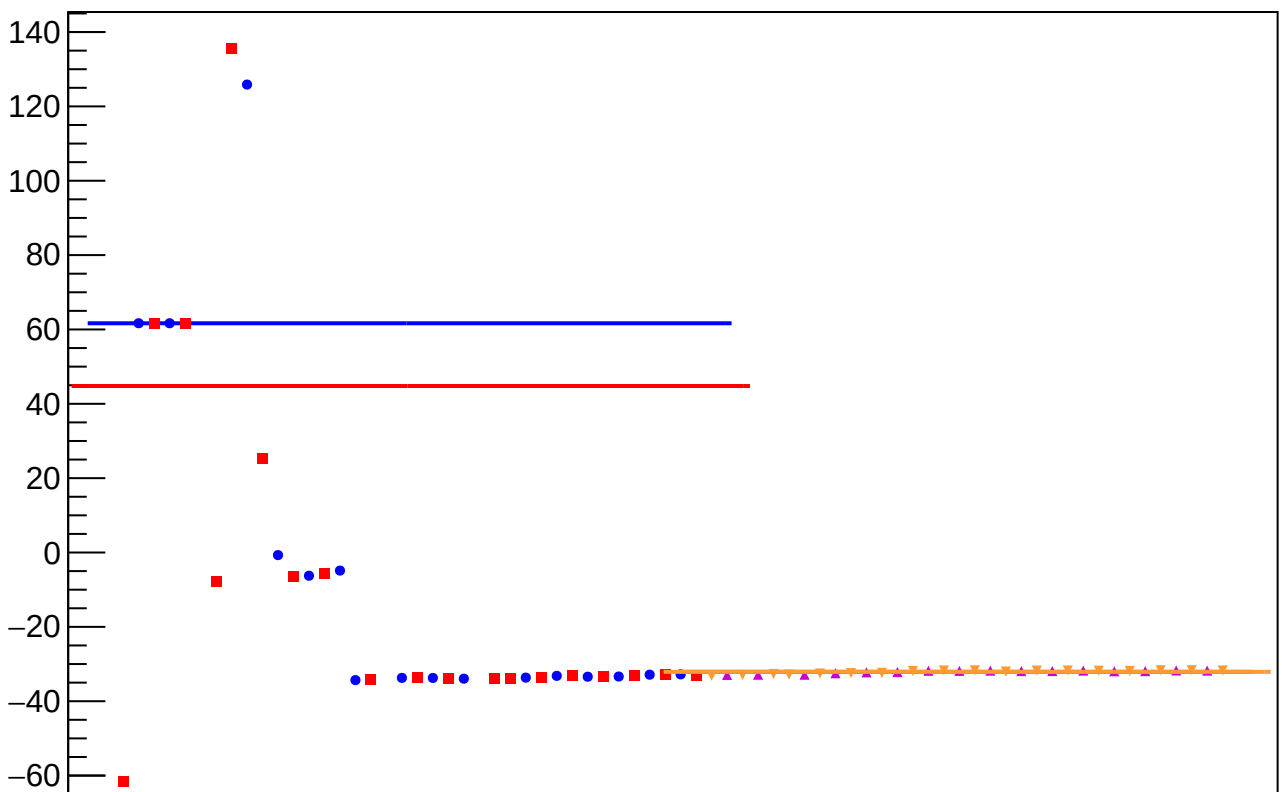
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:30840933.4/31

Out: 0.002+/-0.000 χ^2/NDF:32429055.2/36

All: 0.002+/-0.000 χ^2/NDF: 63269998.9/68

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: 366094778229951.8/18

Left In: -32.099+/-0.000 χ^2/NDF:26811500.2/15

Left: -32.100+/-0.000 χ^2/NDF: 63797455.2/33

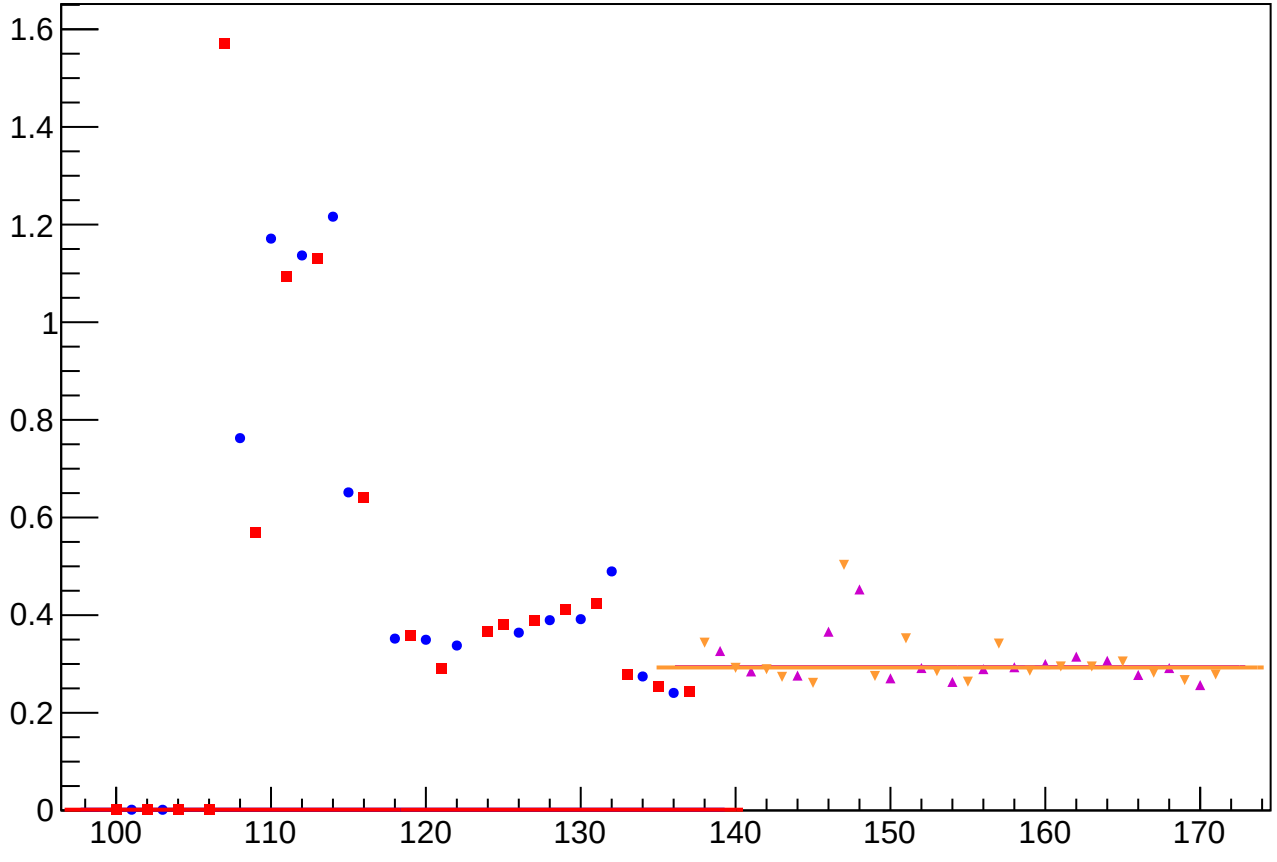
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.0

In: 61.622+/-0.000 χ^2/NDF:1644405481097.4/31

Out: 44.754+/-0.000 χ^2/NDF:367024016429014.2

All: 52.653+/-0.000 χ^2/NDF: 419740749736

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: 0.294+/-0.000 χ^2/NDF:367463.3/15

Left: 0.293+/-0.000 χ^2/NDF: 838145.1/33

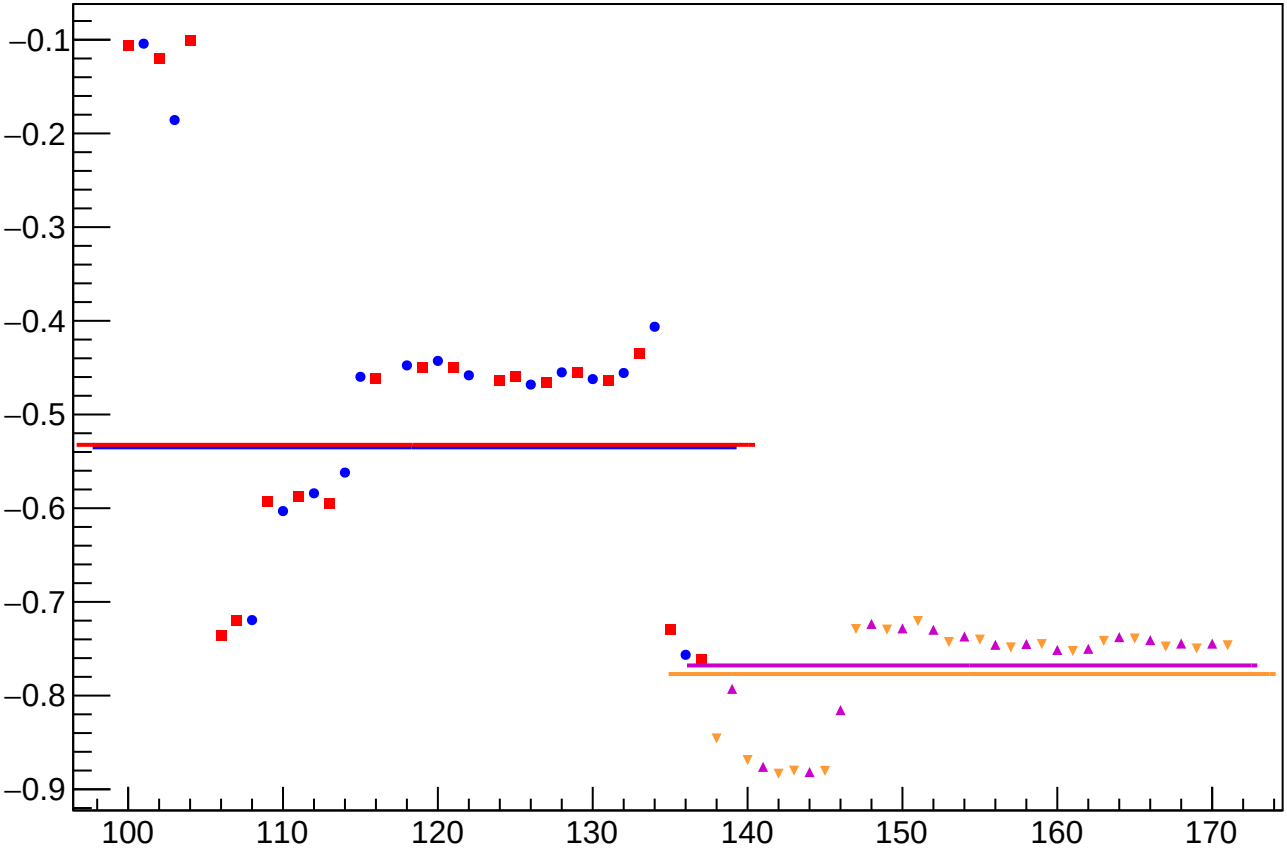
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:36170328.2/31

Out: 0.002+/-0.000 χ^2/NDF:37709514.5/36

All: 0.002+/-0.000 χ^2/NDF: 73879901.5/68

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: -0.768+/-0.000 χ^2/NDF:77434794.8/15

Left: -0.773+/-0.000 χ^2/NDF: 189937714.2/33

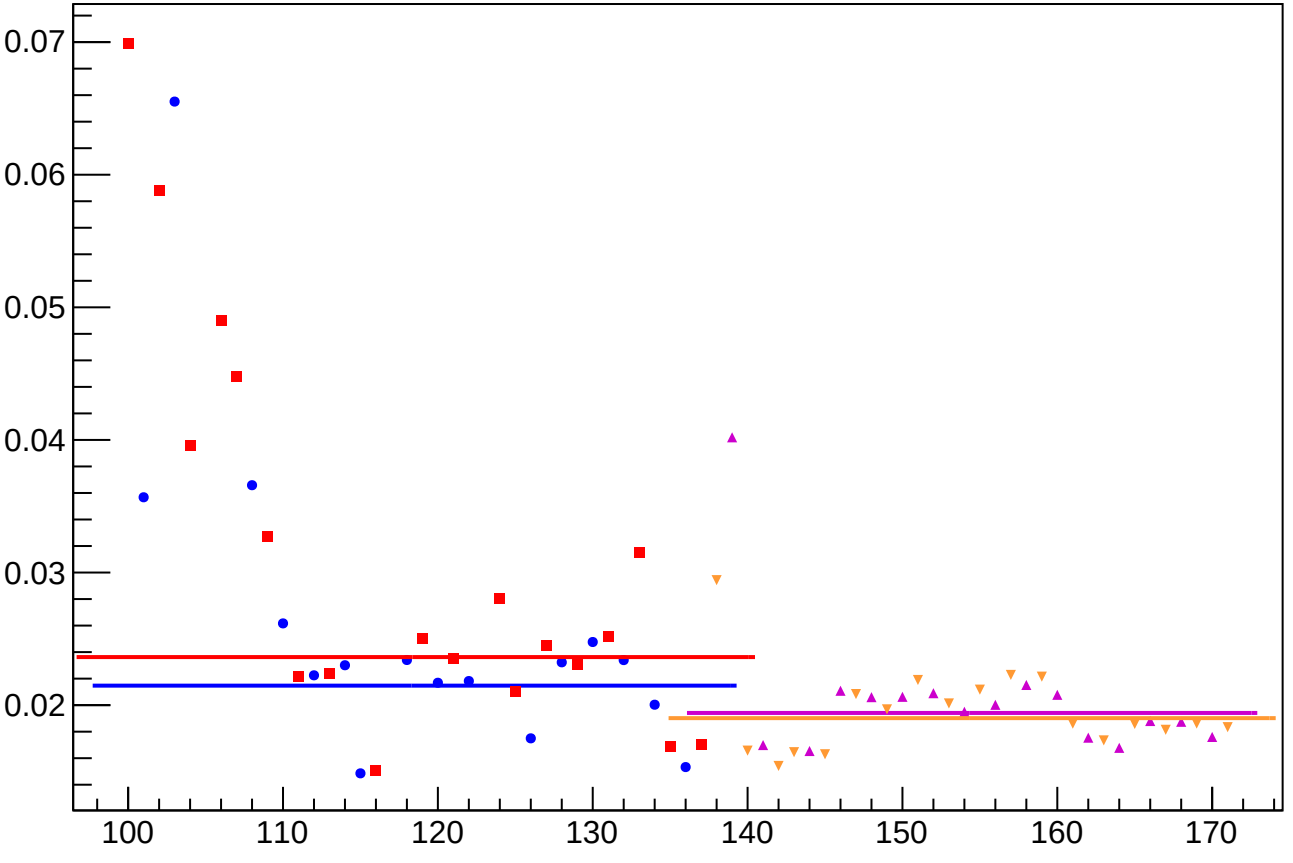
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.700+/-0.000 χ^2/NDF:823626611.4/31

Out: -0.718+/-0.000 χ^2/NDF:778794959.0/36

All: -0.709+/-0.000 χ^2/NDF: 1609212810.1/6

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:618267.1/15

Left: 0.019+/-0.000 χ^2/NDF: 1035317.9/33

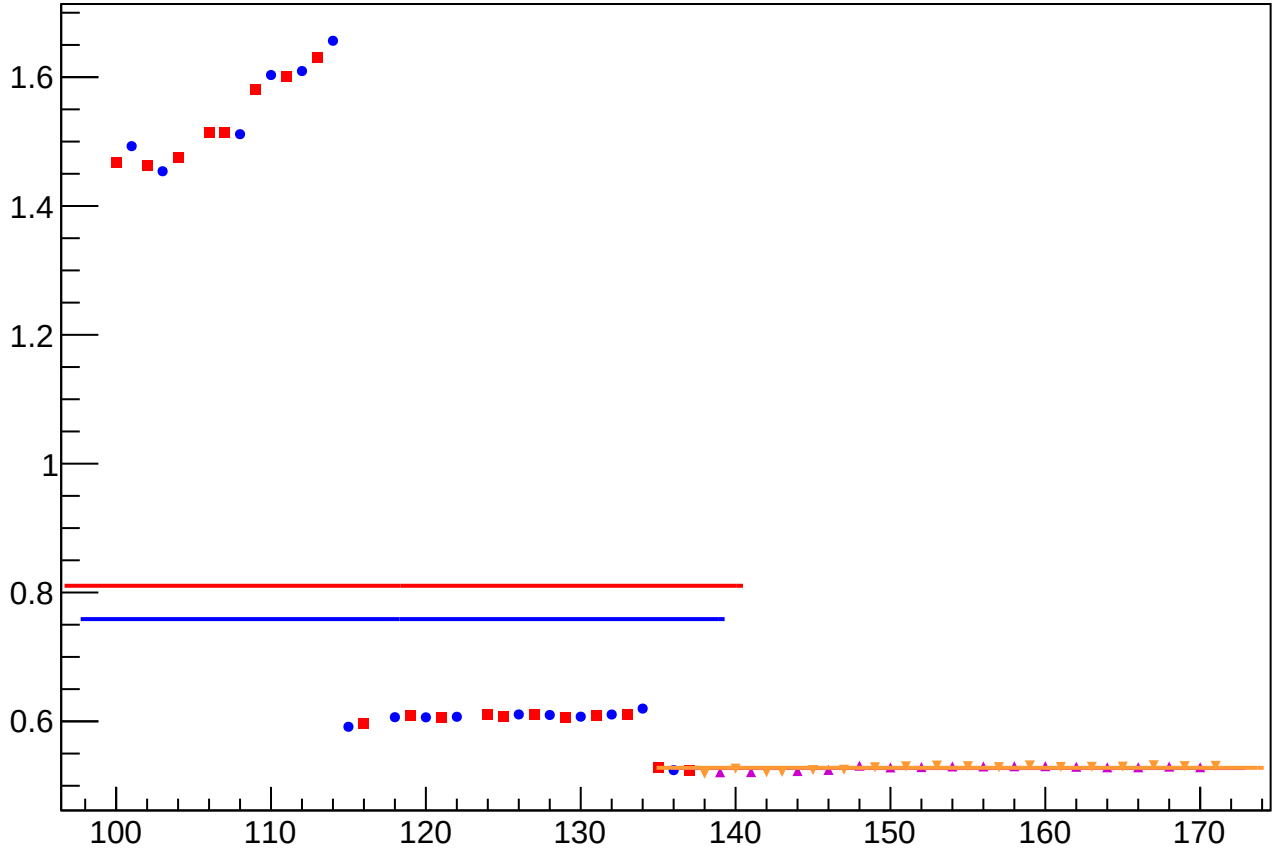
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1841931.9/31

Out: 0.020+/-0.000 χ^2/NDF:2011197.9/36

All: 0.020+/-0.000 χ^2/NDF: 3853680.5/68

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:977606.1/15

Left: 0.528+/-0.000 χ^2/NDF: 2382125.3/33

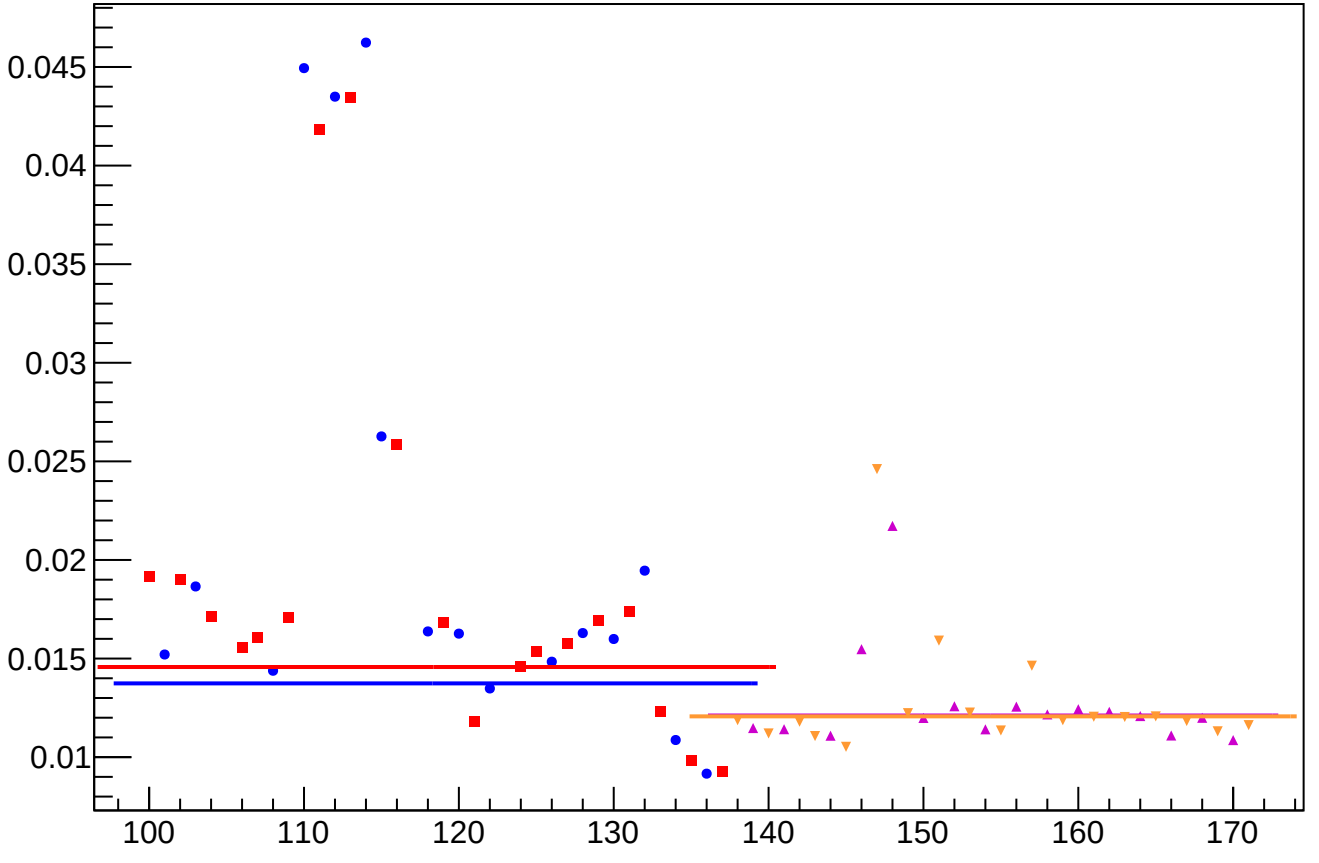
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.590+/-0.000 χ^2/NDF:5537247141.4/31

Out: 0.596+/-0.000 χ^2/NDF:6551806237.0/36

All: 0.593+/-0.000 χ^2/NDF: 12091373626.2/6

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:453091.0/15

Left: 0.012+/-0.000 χ^2/NDF: 1079435.8/33

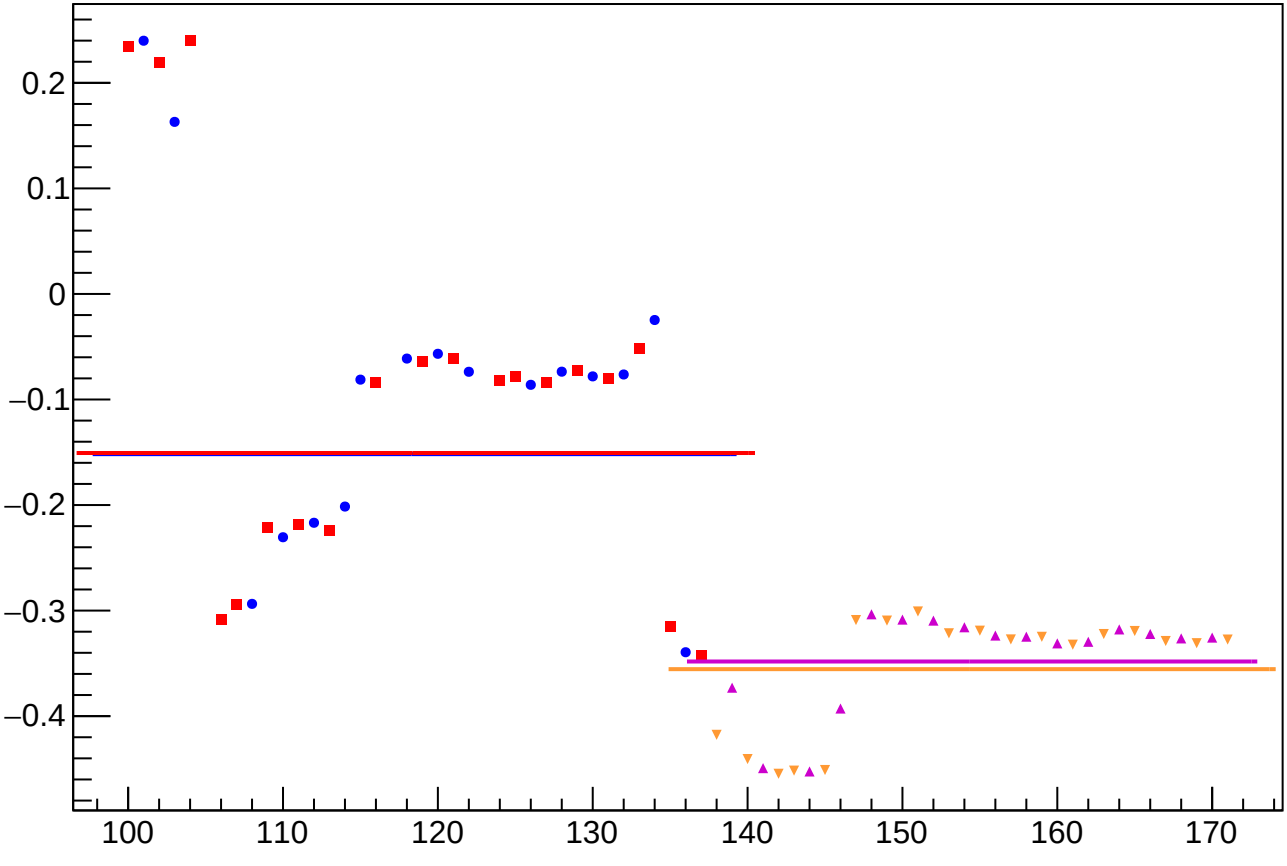
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.013+/-0.000 χ^2/NDF:2225013.6/31

Out: 0.013+/-0.000 χ^2/NDF:2360680.6/36

All: 0.013+/-0.000 χ^2/NDF: 4587431.6/68

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:77938729.2/15

Left: -0.352+/-0.000 χ^2/NDF: 186136102.3/33

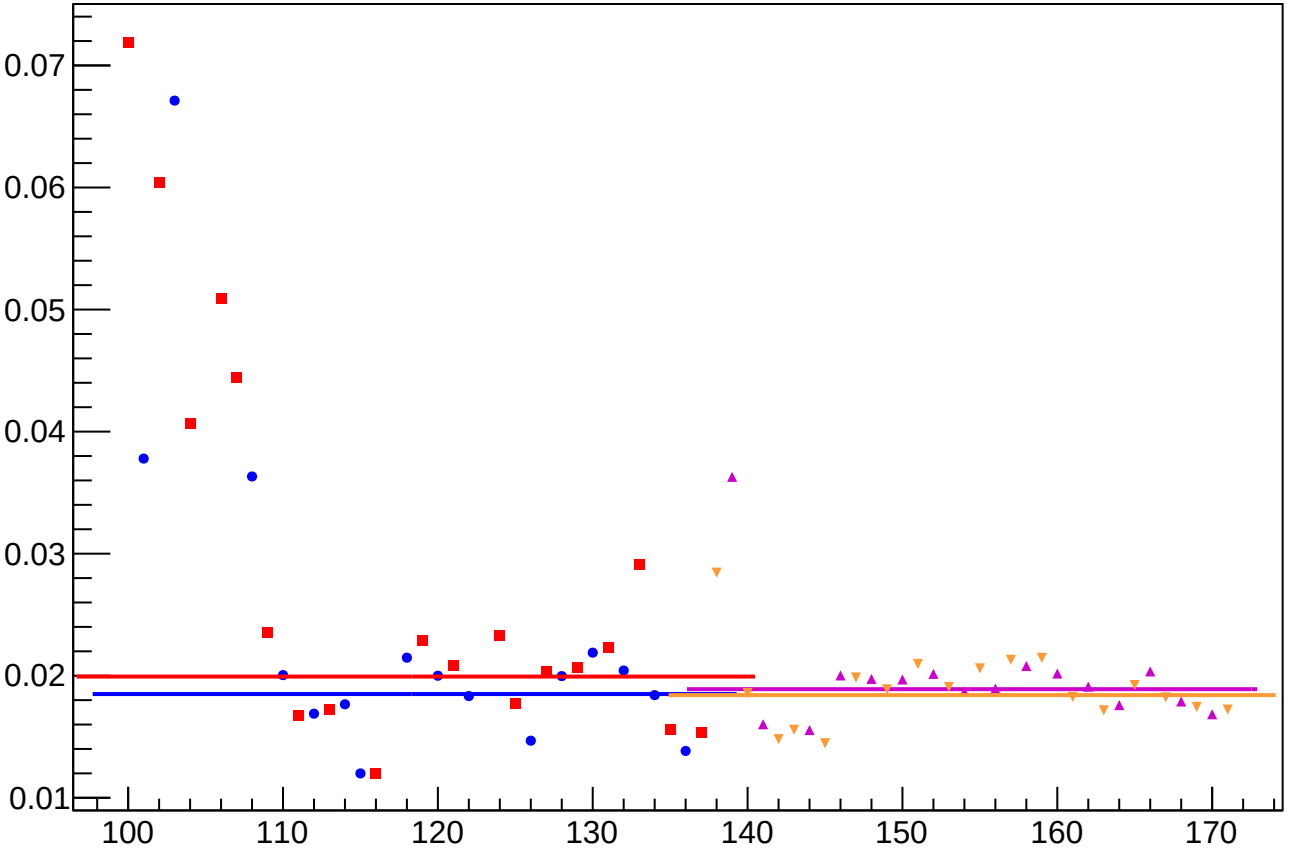
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.281+/-0.000 χ^2/NDF:747236783.7/31

Out: -0.296+/-0.000 χ^2/NDF:715953973.4/36

All: -0.289+/-0.000 χ^2/NDF: 1468426823.9/6

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:557168.1/15

Left: 0.019+/-0.000 χ^2/NDF: 1012659.0/33

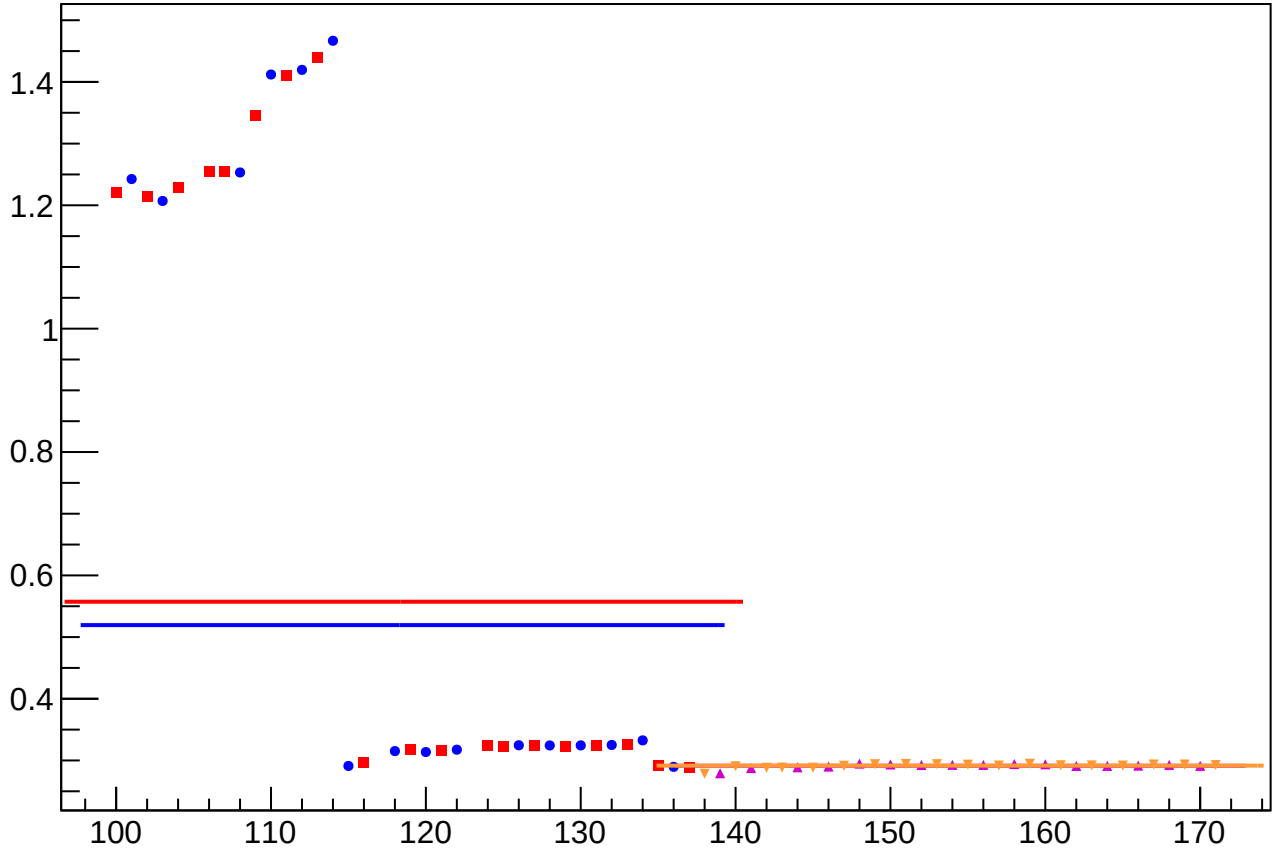
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.019+/-0.000 χ^2/NDF:1932777.6/31

Out: 0.019+/-0.000 χ^2/NDF:2040589.3/36

All: 0.019+/-0.000 χ^2/NDF: 3973723.9/68

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:1186096.5/15

Left: 0.291+/-0.000 χ^2/NDF: 2391591.3/33

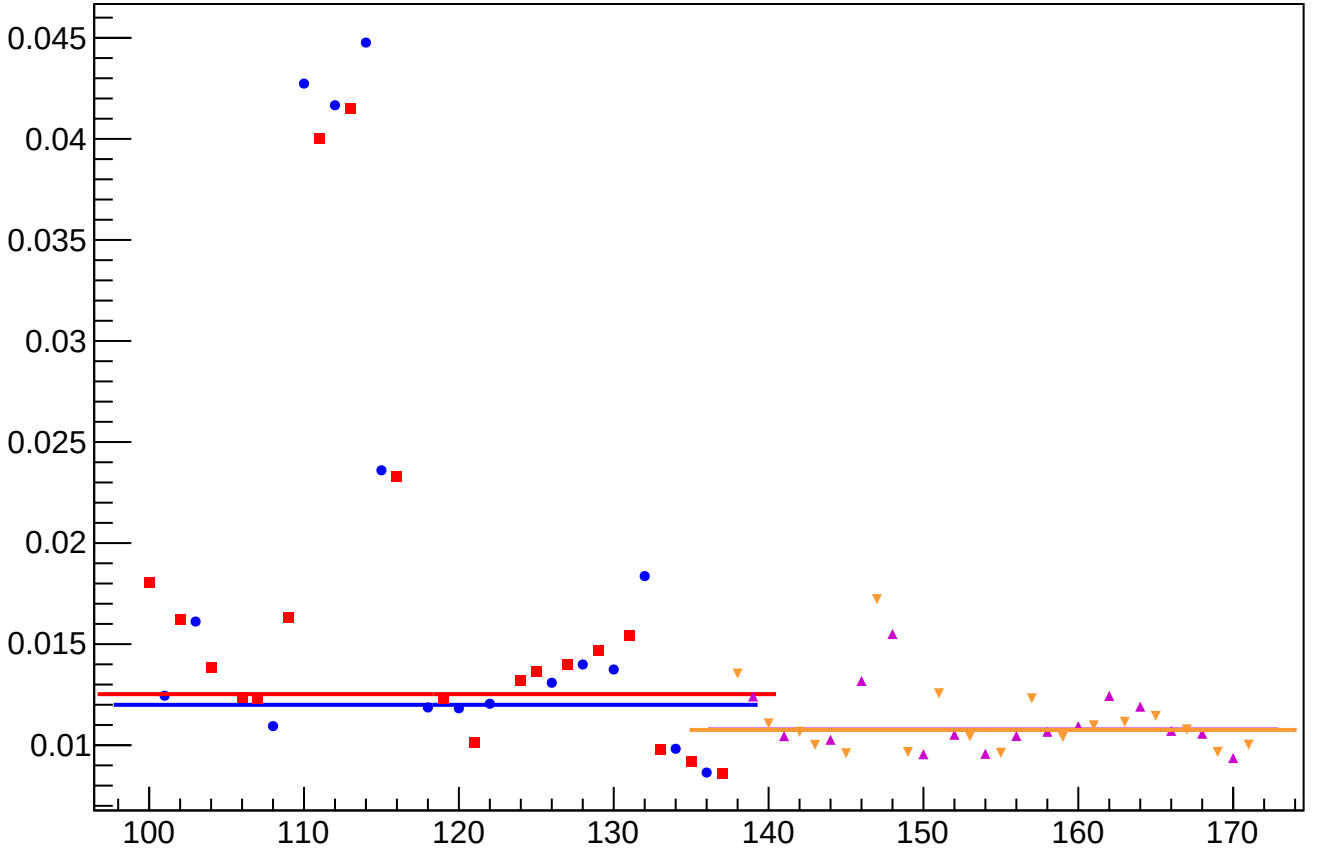
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.355+/-0.000 χ^2/NDF:7876220086.5/31

Out: 0.358+/-0.000 χ^2/NDF:8810952876.6/36

All: 0.357+/-0.000 χ^2/NDF: 16688188196.1/6

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:370960.3/15

Left: 0.011+/-0.000 χ^2/NDF: 831774.6/33

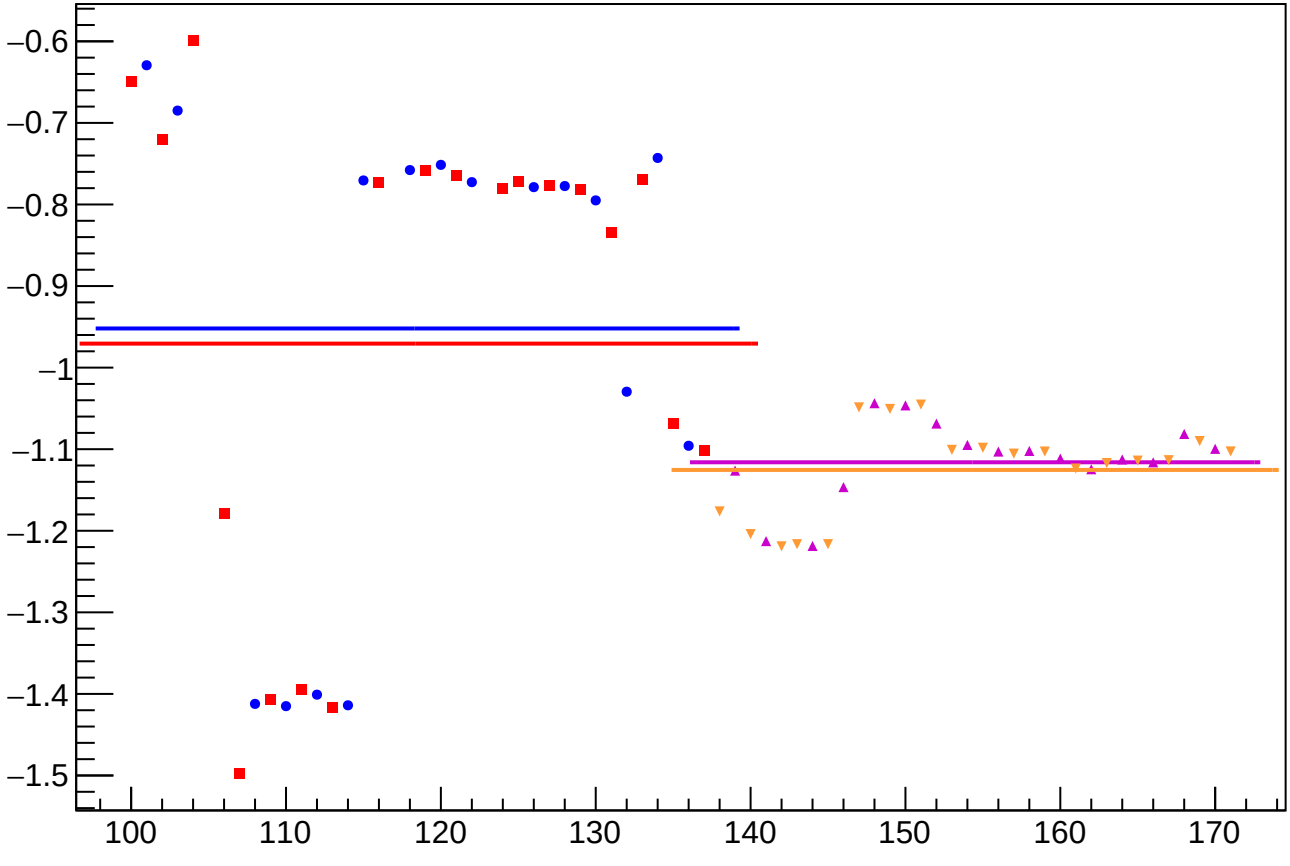
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1951802.1/31

Out: 0.011+/-0.000 χ^2/NDF:2078222.1/36

All: 0.011+/-0.000 χ^2/NDF: 4031107.9/68

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:75283376.5/15

Left: -1.121+/-0.000 χ^2/NDF: 178985262.4/33

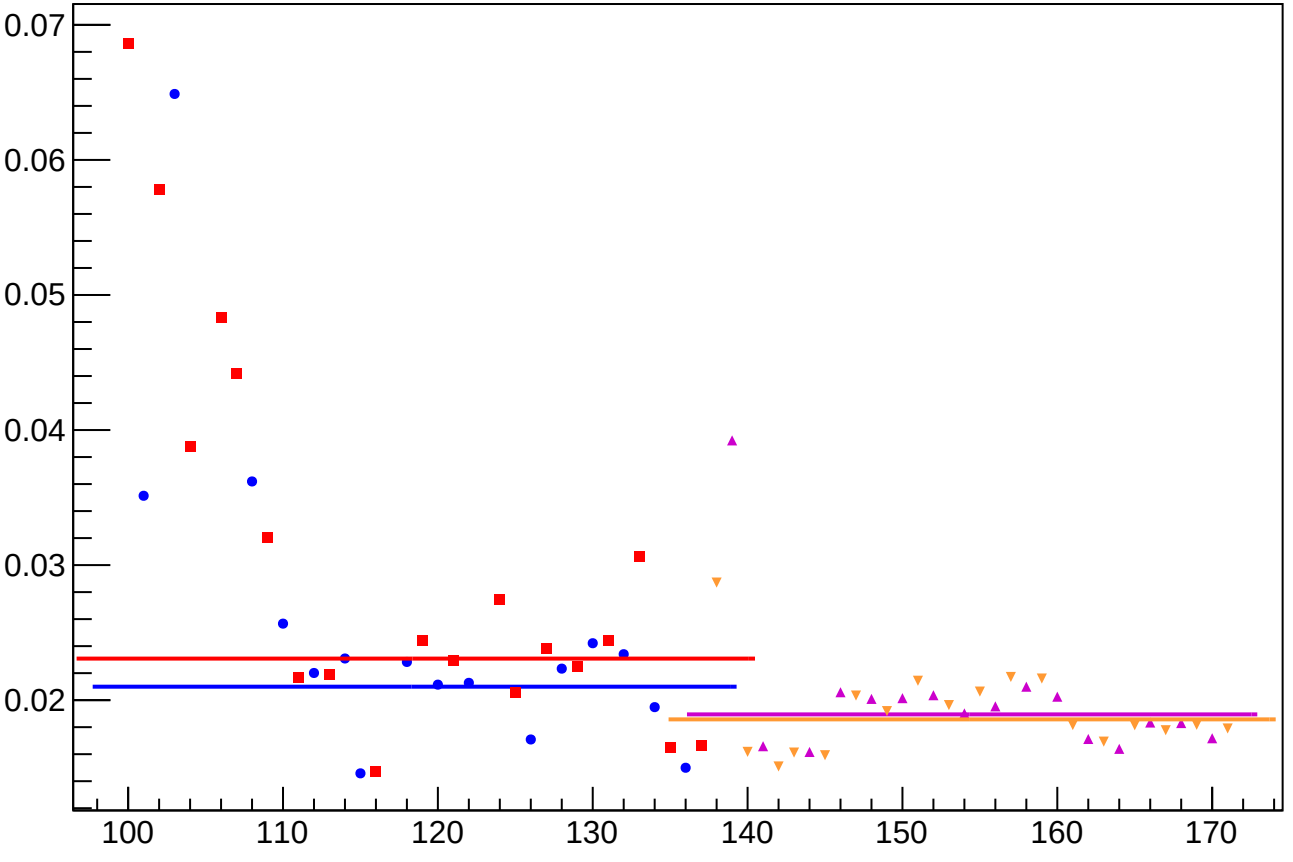
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.068+/-0.000 χ^2/NDF:1005956815.0/31

Out: -1.088+/-0.000 χ^2/NDF:1006837470.6/36

All: -1.078+/-0.000 χ^2/NDF: 2021303409.6/6

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:616638.2/15

Left: 0.019+/-0.000 χ^2/NDF: 1029532.5/33

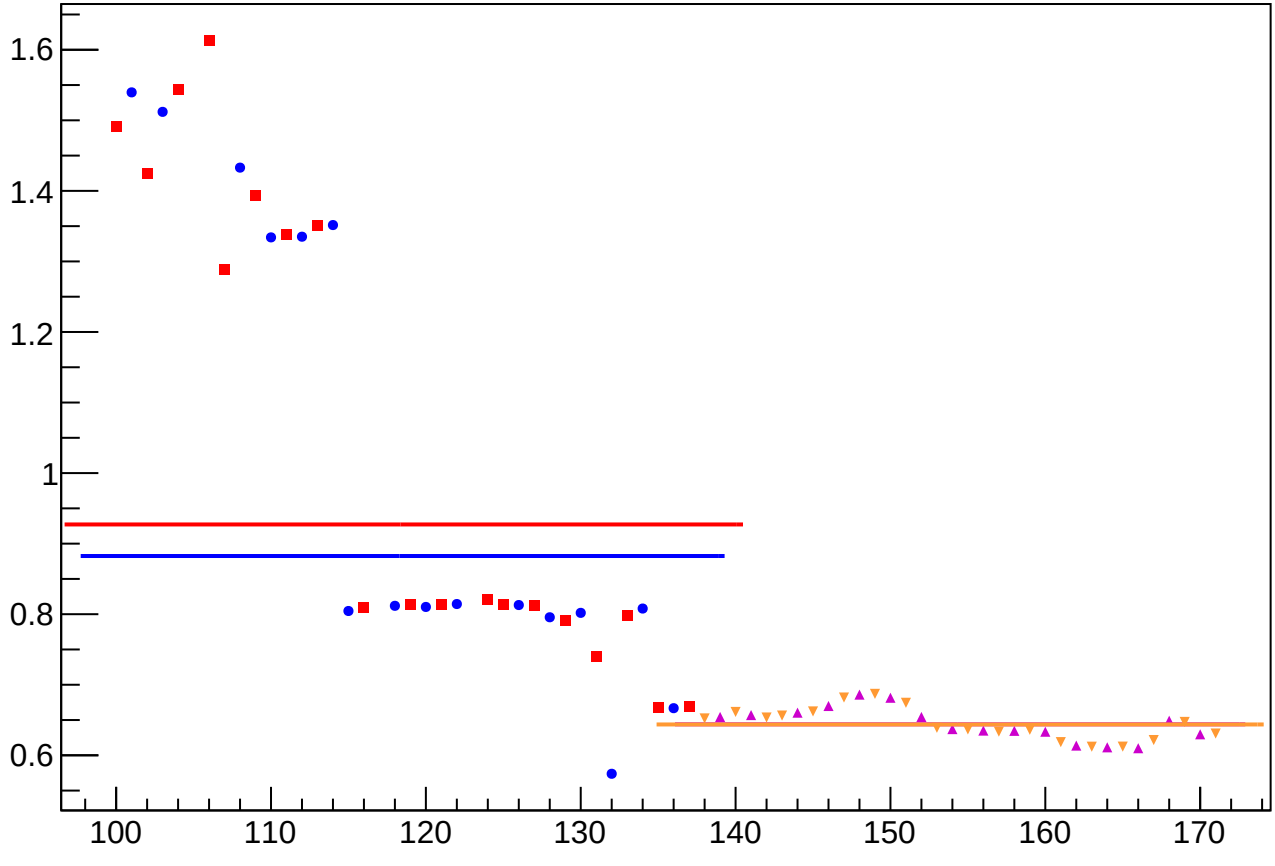
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.020+/-0.000 χ^2/NDF:1855920.2/31

Out: 0.020+/-0.000 χ^2/NDF:2010940.4/36

All: 0.020+/-0.000 χ^2/NDF: 3867422.1/68

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: 0.644+/-0.000 χ^2/NDF:35670051.2/15

Left: 0.644+/-0.000 χ^2/NDF: 74997932.0/33

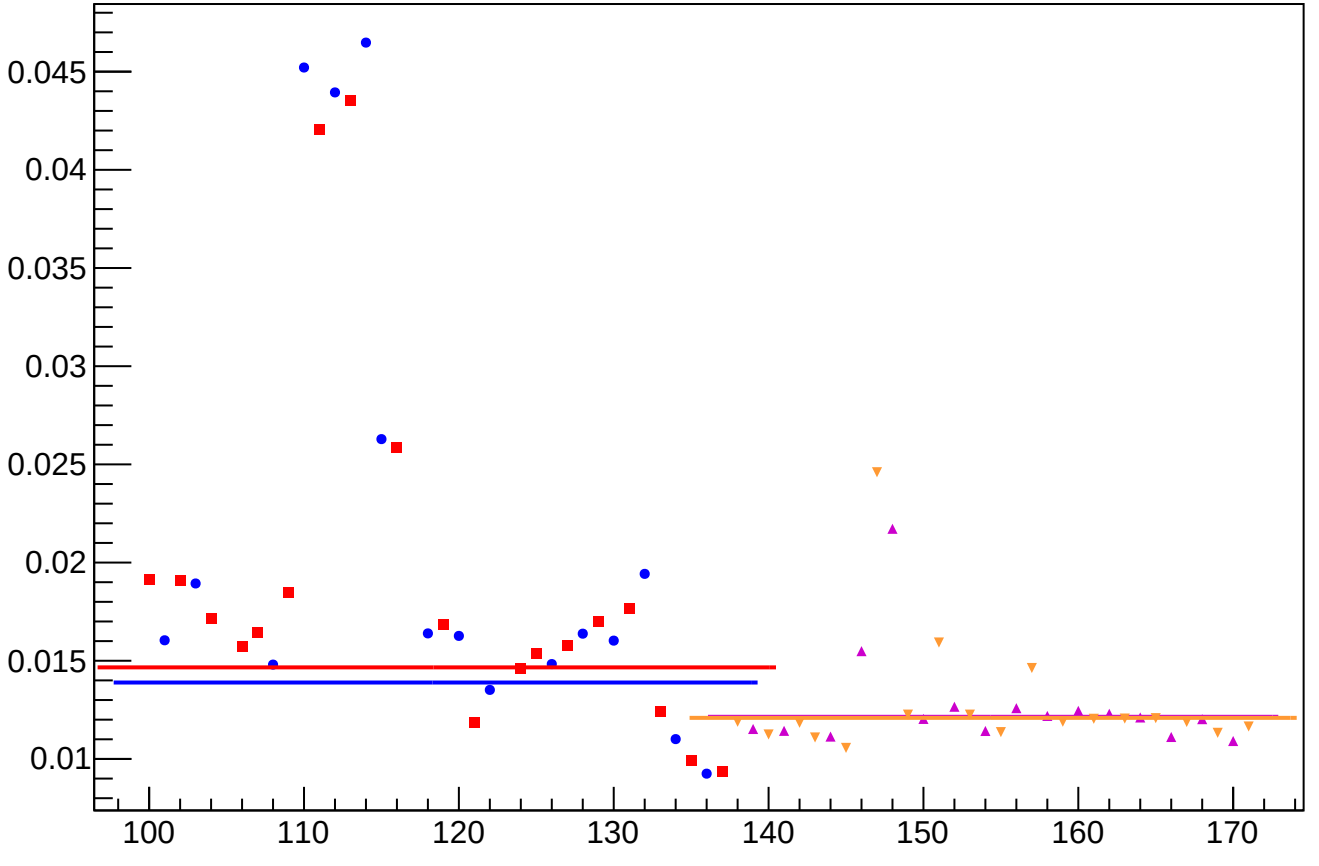
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.707+/-0.000 χ^2/NDF:4104650500.4/31

Out: 0.711+/-0.000 χ^2/NDF:4569047988.5/36

All: 0.709+/-0.000 χ^2/NDF: 8674717133.4/68

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:449003.4/15

Left: 0.012+/-0.000 χ^2/NDF: 1070067.7/33

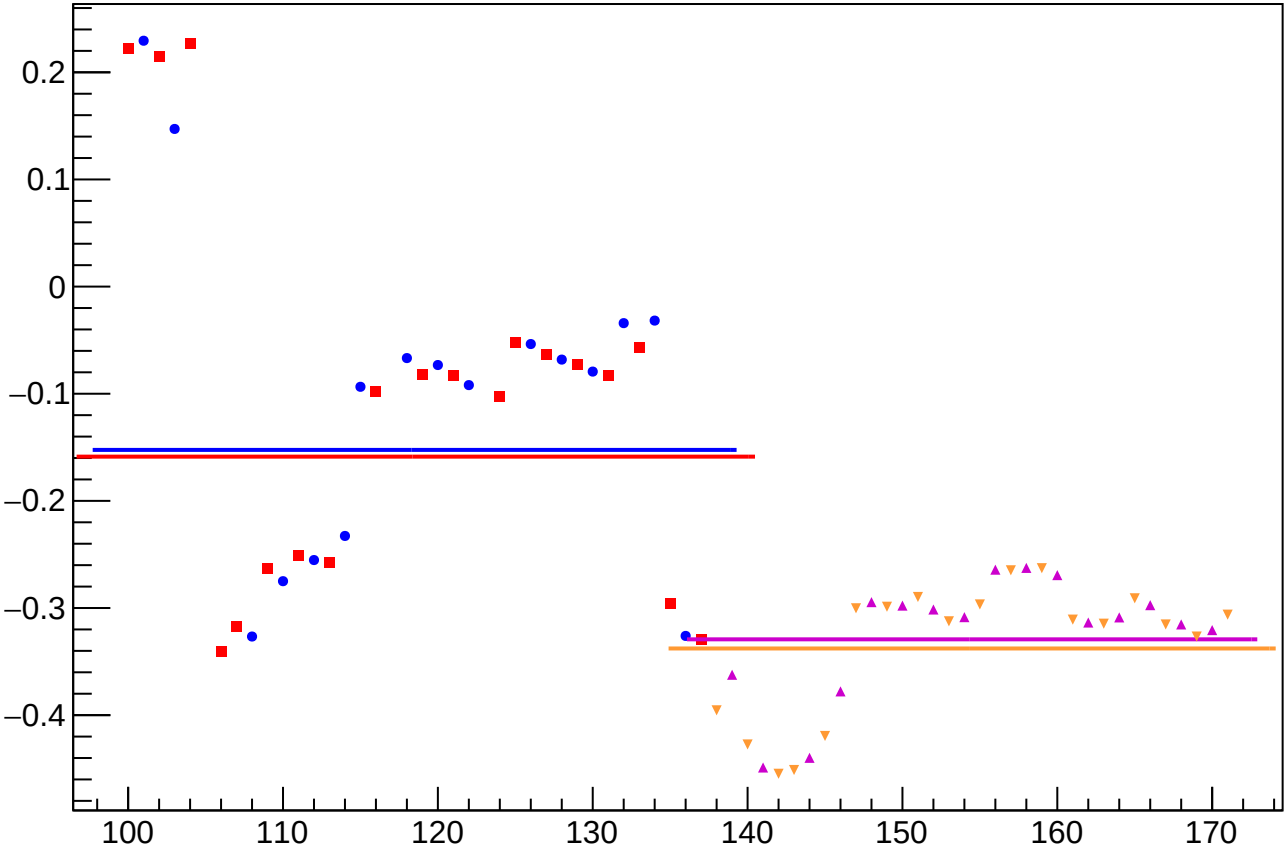
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2233318.8/31

Out: 0.013+/-0.000 χ^2/NDF:2378341.6/36

All: 0.013+/-0.000 χ^2/NDF: 4612761.8/68

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:103561306.9/15

Left: -0.334+/-0.000 χ^2/NDF: 230919799.7/33

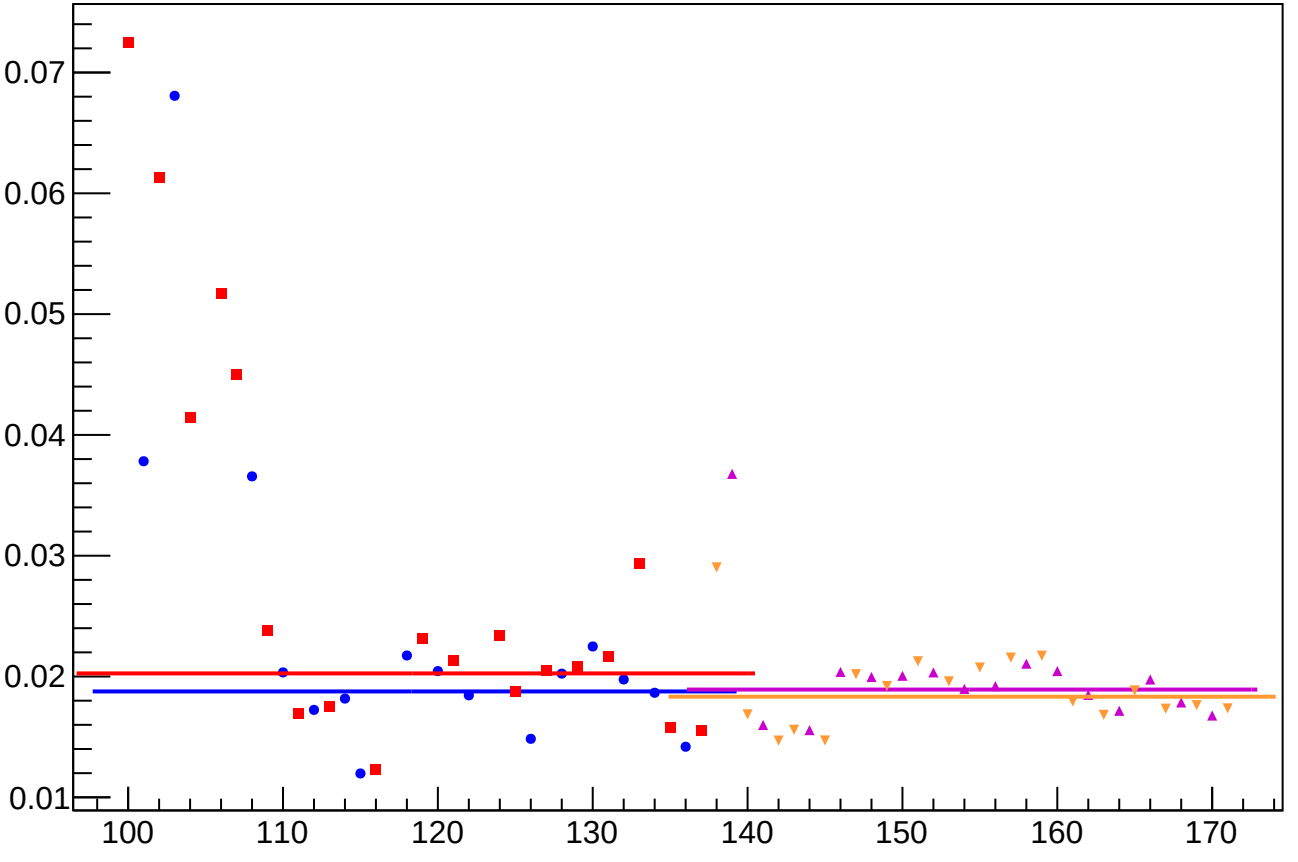
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.270+/-0.000 χ^2/NDF:689148873.3/31

Out: -0.287+/-0.000 χ^2/NDF:627655699.6/36

All: -0.279+/-0.000 χ^2/NDF: 1323914085.6/6

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:586240.7/15

Left: 0.019+/-0.000 χ^2/NDF: 1088870.3/33

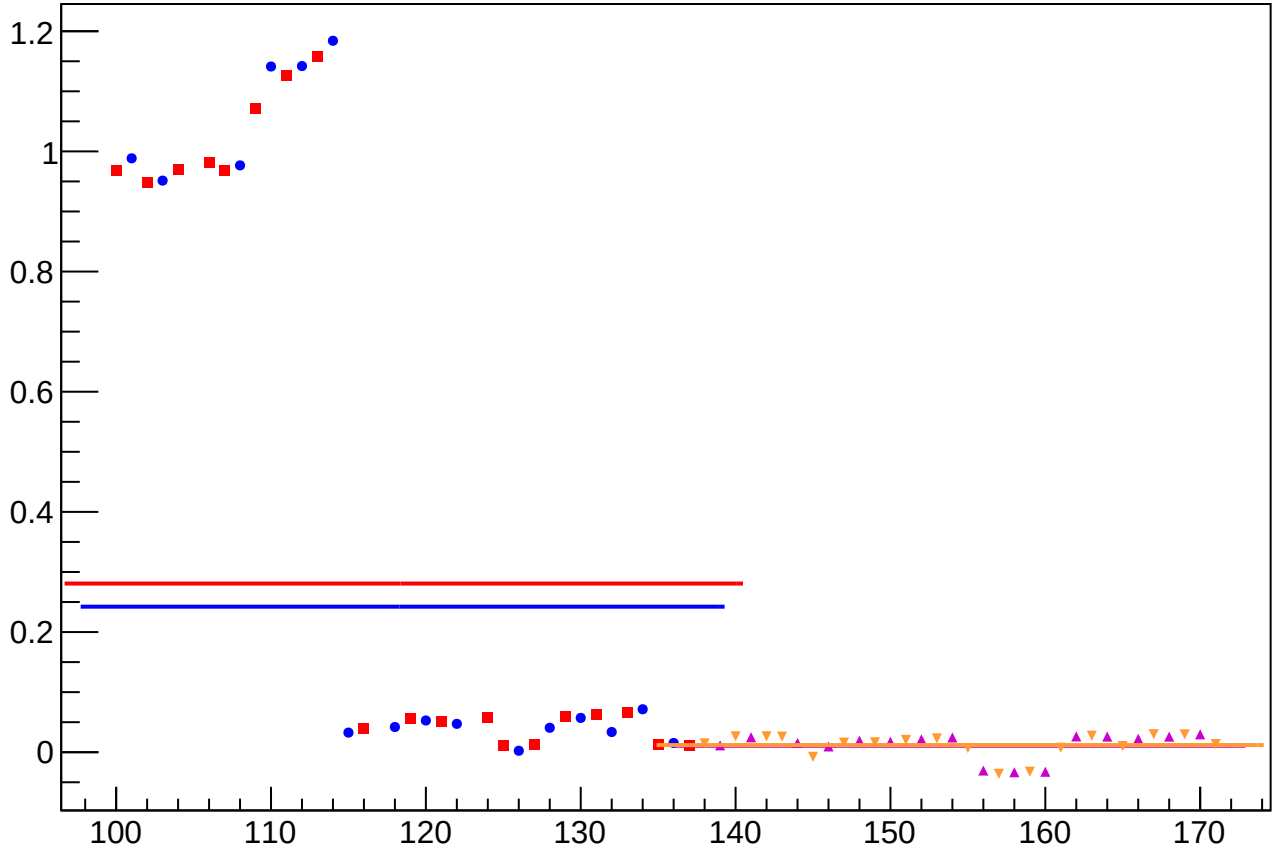
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:1936132.7/31

Out: 0.019+/-0.000 χ^2/NDF:2092135.4/36

All: 0.019+/-0.000 χ^2/NDF: 4028268.5/68

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:55005814.1/15

Left: 0.011+/-0.000 χ^2/NDF: 99306632.3/33

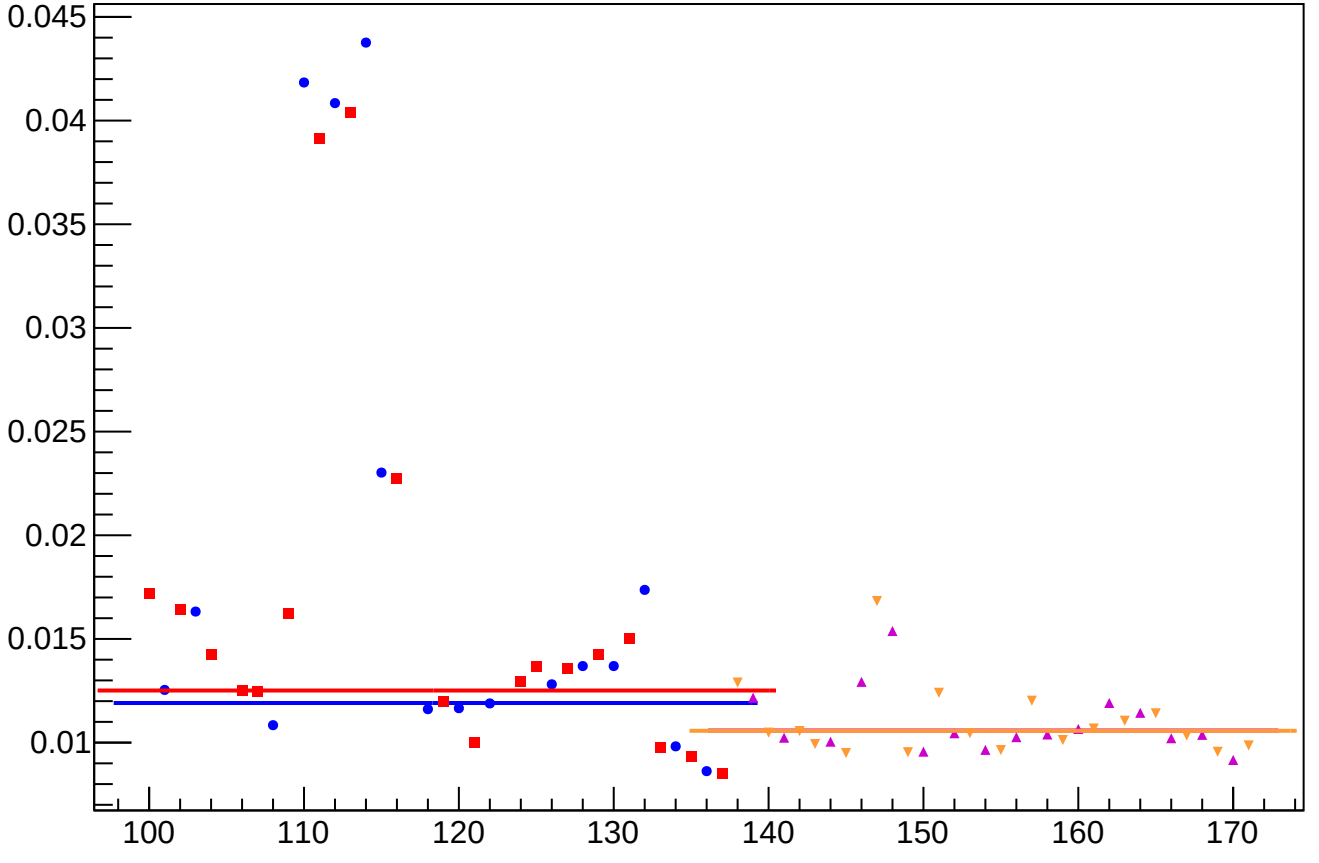
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.074+/-0.000 χ^2/NDF:8200862790.1/31

Out: 0.078+/-0.000 χ^2/NDF:8939927834.0/36

All: 0.076+/-0.000 χ^2/NDF: 17141803530.3/6

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.011+/-0.000 χ^2/NDF:427072.4/17

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:348487.3/15

Left: 0.011+/-0.000 χ^2/NDF: 775583.5/33

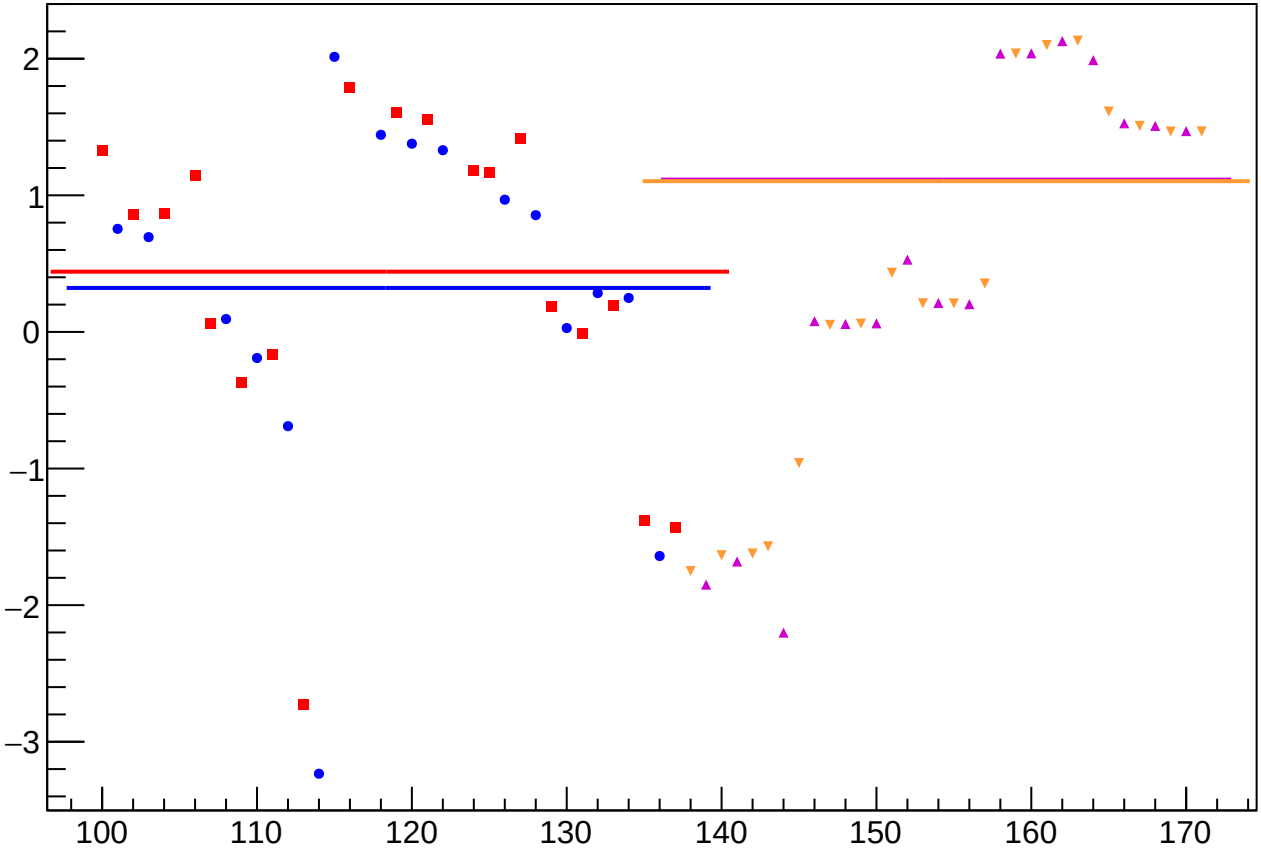
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1915350.7/31

Out: 0.011+/-0.000 χ^2/NDF:2042696.3/36

All: 0.011+/-0.000 χ^2/NDF: 3959560.0/68

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: 1.115+/-0.000 χ^2/NDF:33344508835.3/15

Left: 1.109+/-0.000 χ^2/NDF: 62867054488.9/33

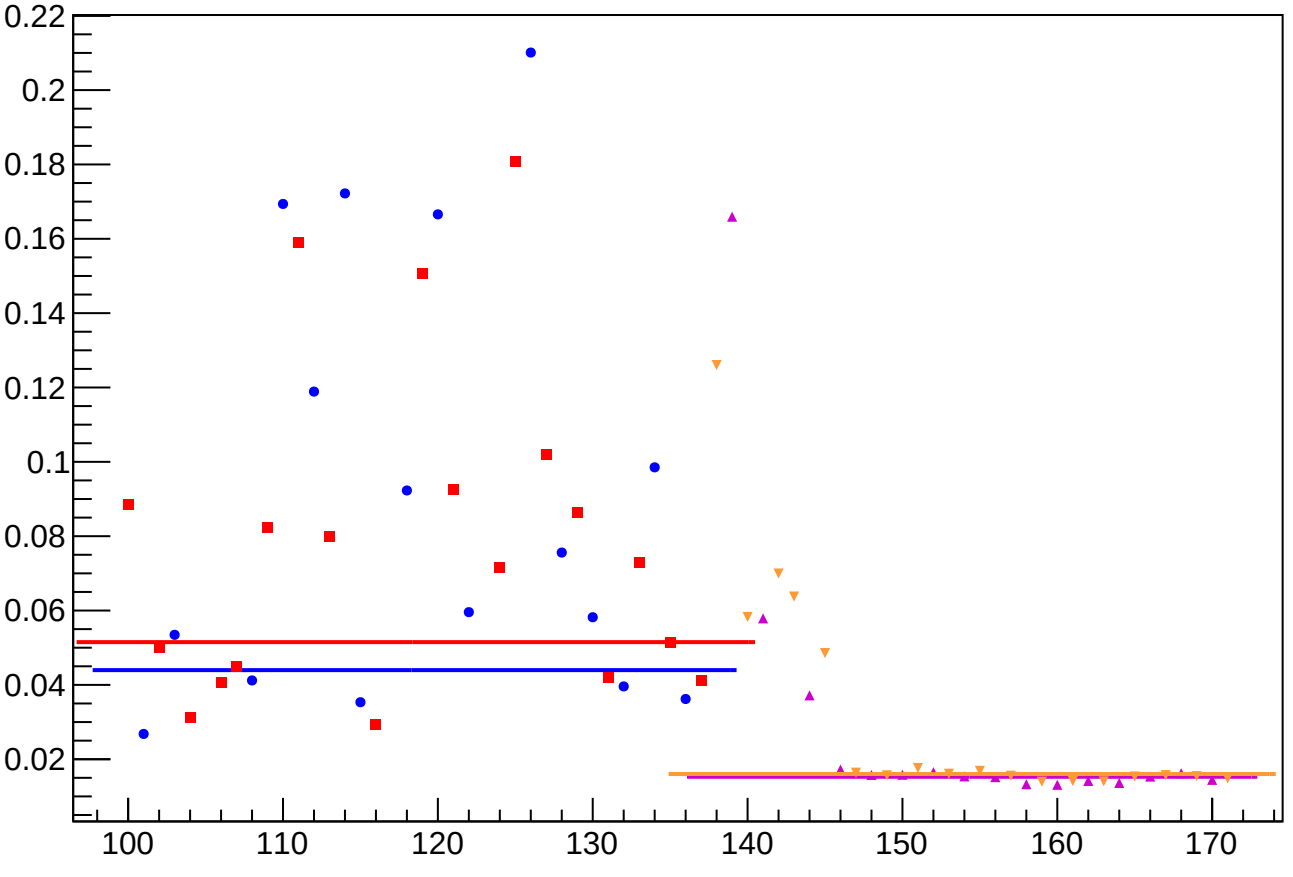
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.078+/-0.000 χ^2/NDF:36199694701.6/31

Out: 1.077+/-0.000 χ^2/NDF:32010203359.6/36

All: 1.078+/-0.000 χ^2/NDF: 68209920618.8/6

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:2153464.3/15

Left: 0.016+/-0.000 χ^2/NDF: 5066426.0/33

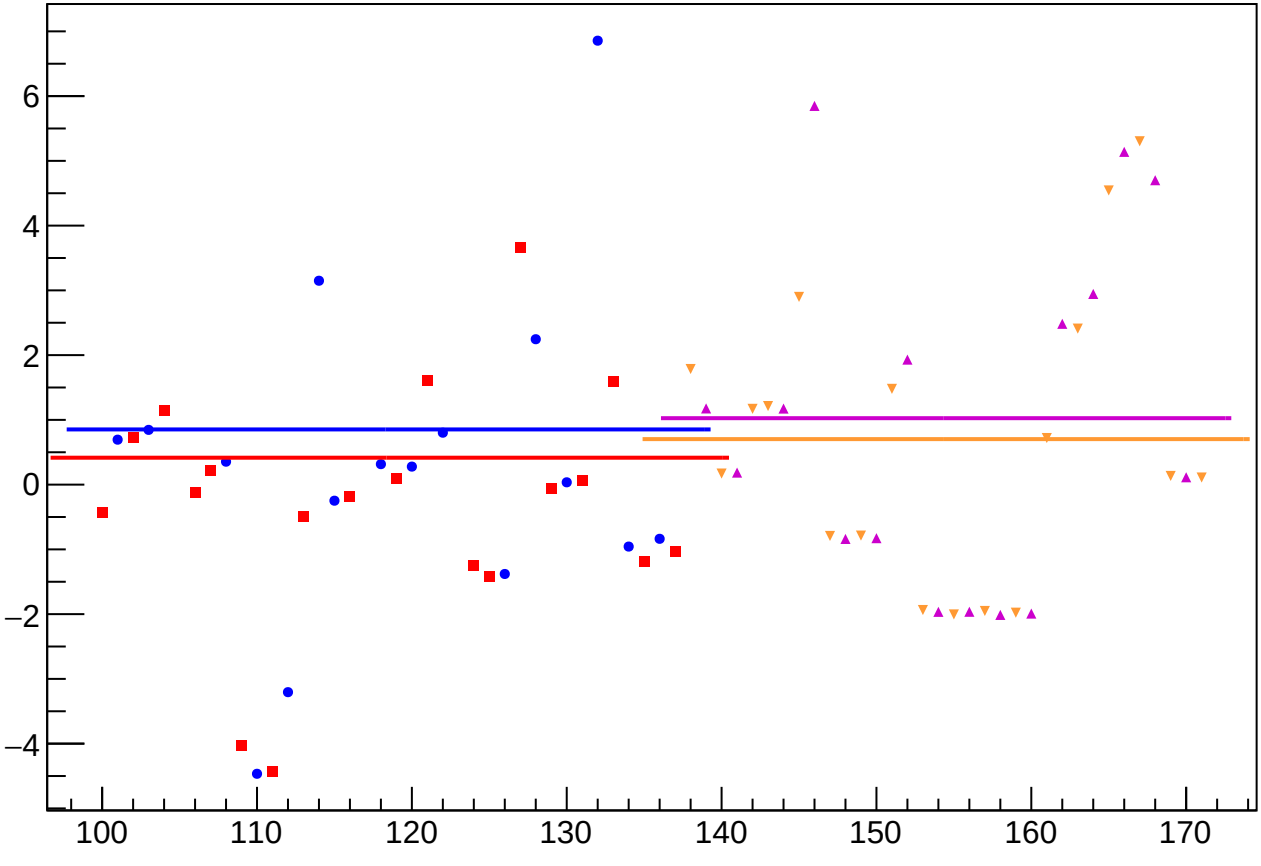
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.017+/-0.000 χ^2/NDF:8056490.0/31

Out: 0.017+/-0.000 χ^2/NDF:9236568.0/36

All: 0.017+/-0.000 χ^2/NDF: 17321995.6/68

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: 1.026+/-0.000 χ^2/NDF:514977657985.5/15

Left: 0.864+/-0.000 χ^2/NDF: 905291843130.3/33

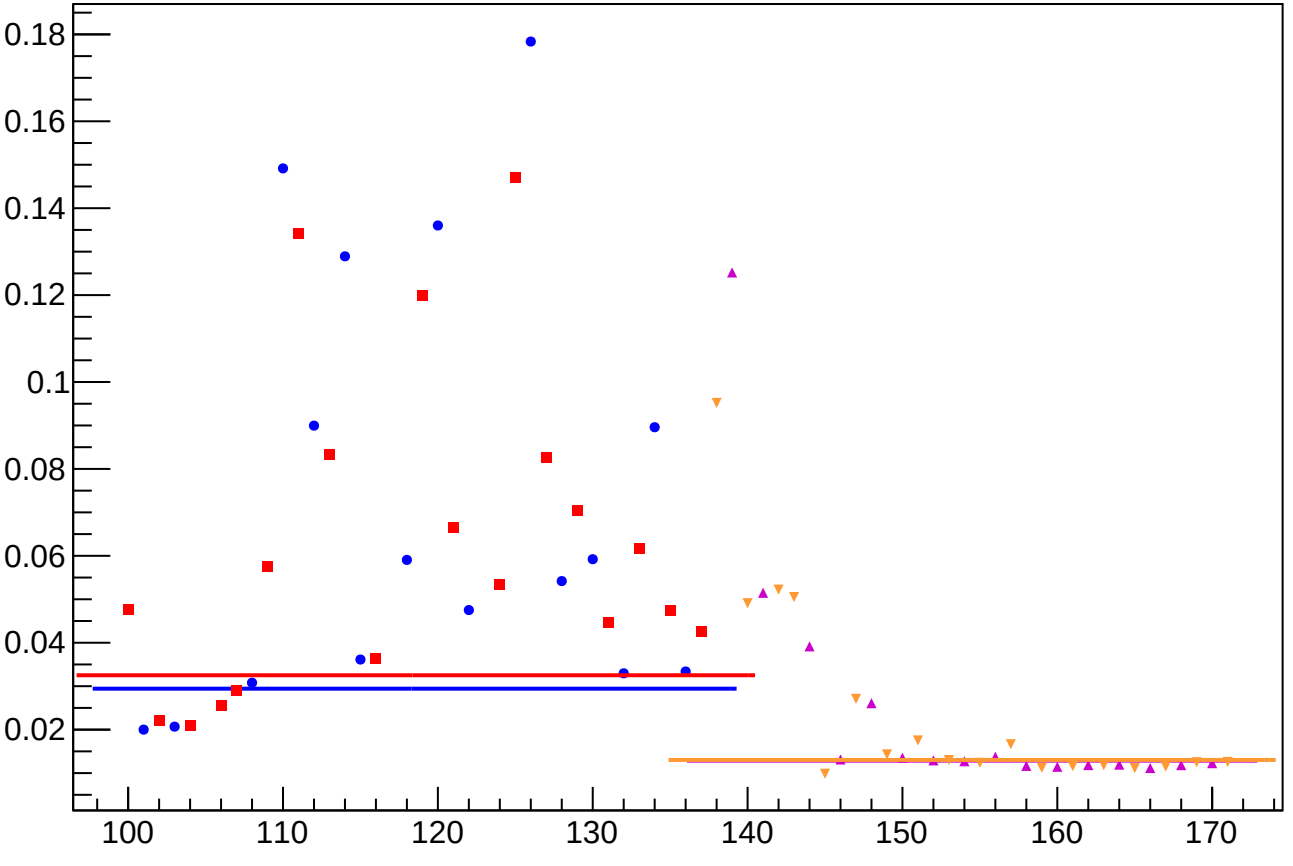
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 1.015+/-0.000 χ^2/NDF:526674064848.2/31

Out: 0.686+/-0.000 χ^2/NDF:392414847380.0/36

All: 0.851+/-0.000 χ^2/NDF: 922750337274.9

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:2683735.3/15

Left: 0.013+/-0.000 χ^2/NDF: 5797849.0/33

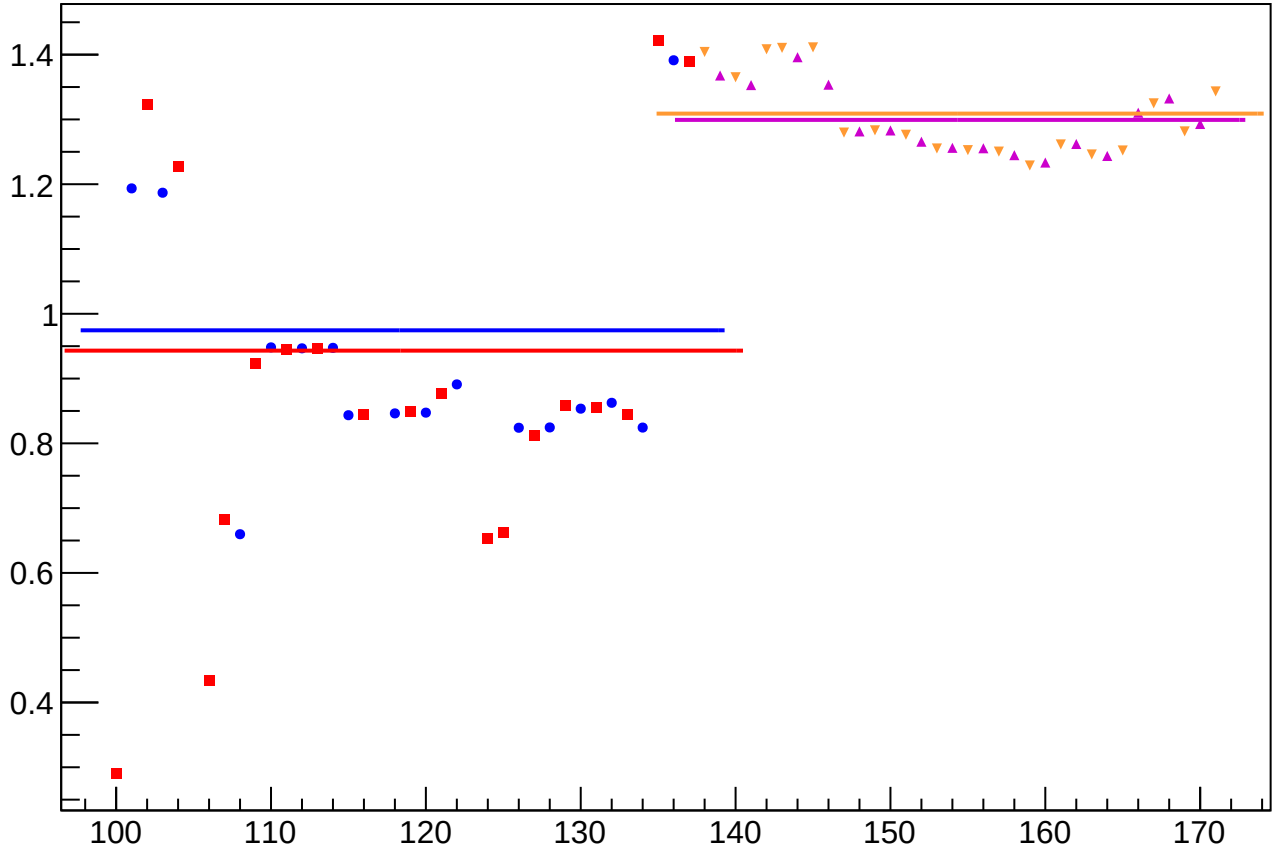
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:8066653.6/31

Out: 0.014+/-0.000 χ^2/NDF:9221205.9/36

All: 0.014+/-0.000 χ^2/NDF: 17291908.8/68

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: 1.299+/-0.000 χ^2/NDF:154799114.9/15

Left: 1.304+/-0.000 χ^2/NDF: 425320133.8/33

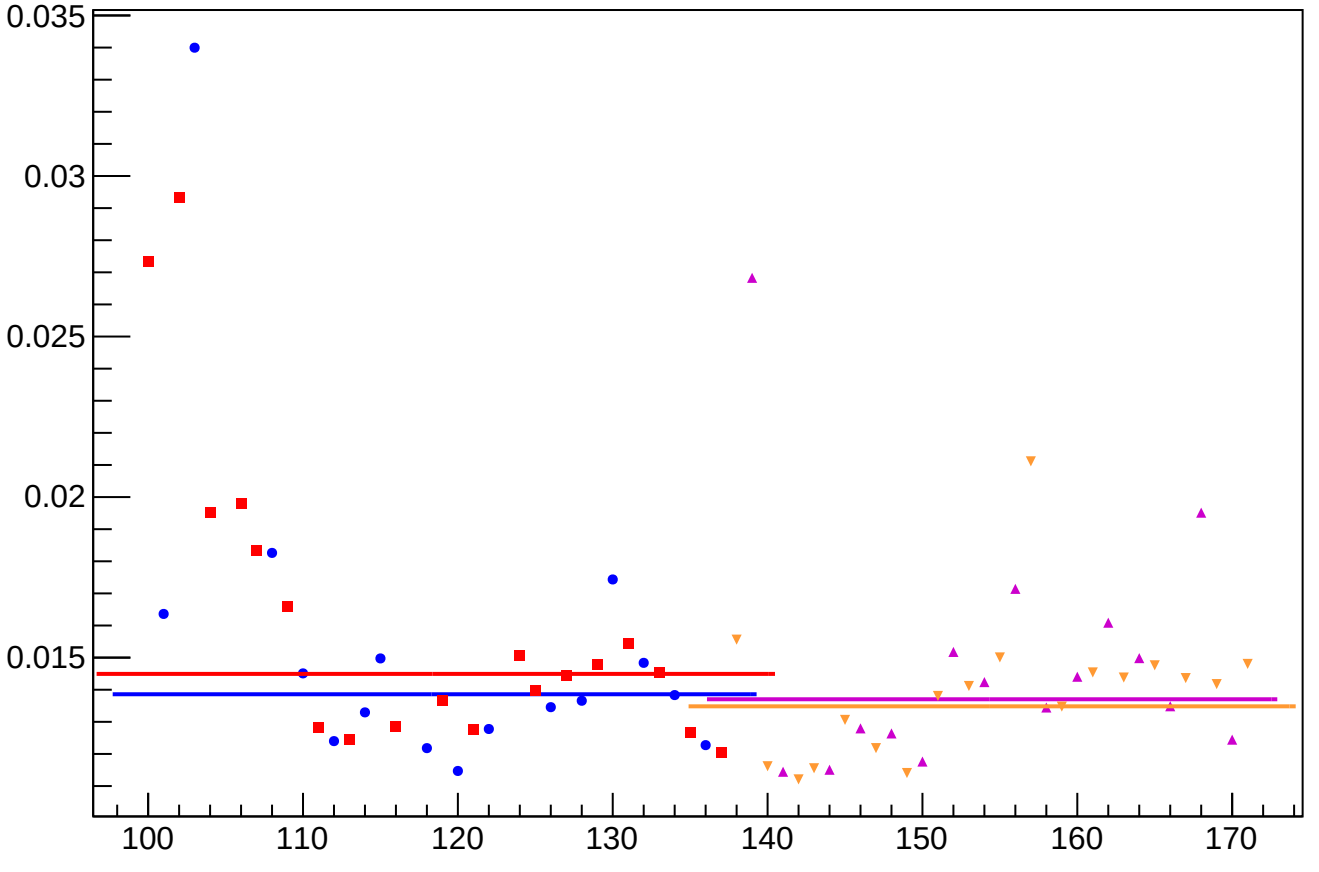
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.187+/-0.000 χ^2/NDF:3848824154.7/31

Out: 1.195+/-0.000 χ^2/NDF:4754723097.3/36

All: 1.191+/-0.000 χ^2/NDF: 8606778989.5/68

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:842296.9/15

Left: 0.014+/-0.000 χ^2/NDF: 1270638.6/33

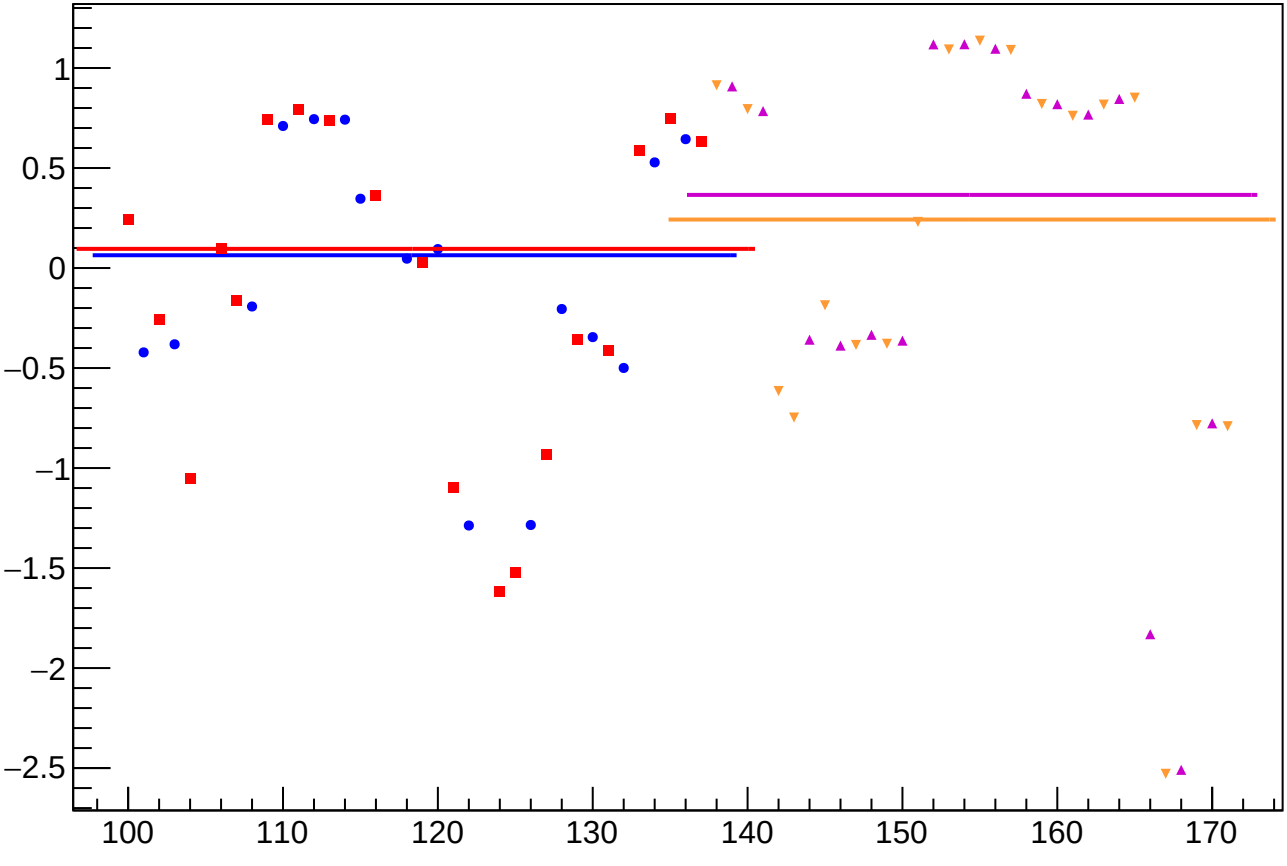
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1443308.7/31

Out: 0.014+/-0.000 χ^2/NDF:1012490.2/36

All: 0.014+/-0.000 χ^2/NDF: 2455951.5/68

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: 0.366+/-0.000 χ^2/NDF:83510806883.0/15

Left: 0.303+/-0.000 χ^2/NDF: 161438934259.6/33

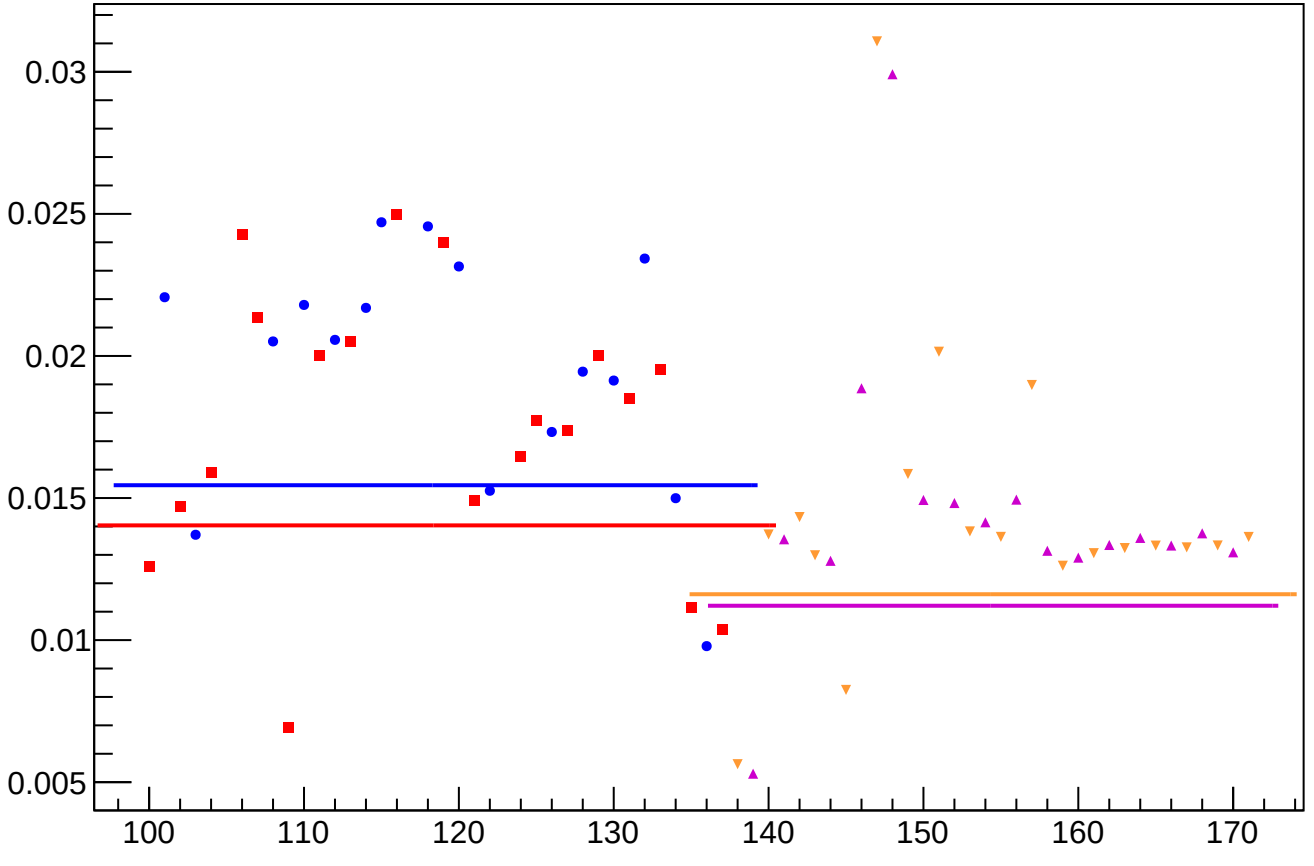
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.298+/-0.000 χ^2/NDF:96320119474.3/31

Out: 0.205+/-0.000 χ^2/NDF:95531584445.1/36

All: 0.250+/-0.000 χ^2/NDF: 192338666137.8

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:3566428.0/15

Left: 0.011+/-0.000 χ^2/NDF: 6751589.8/33

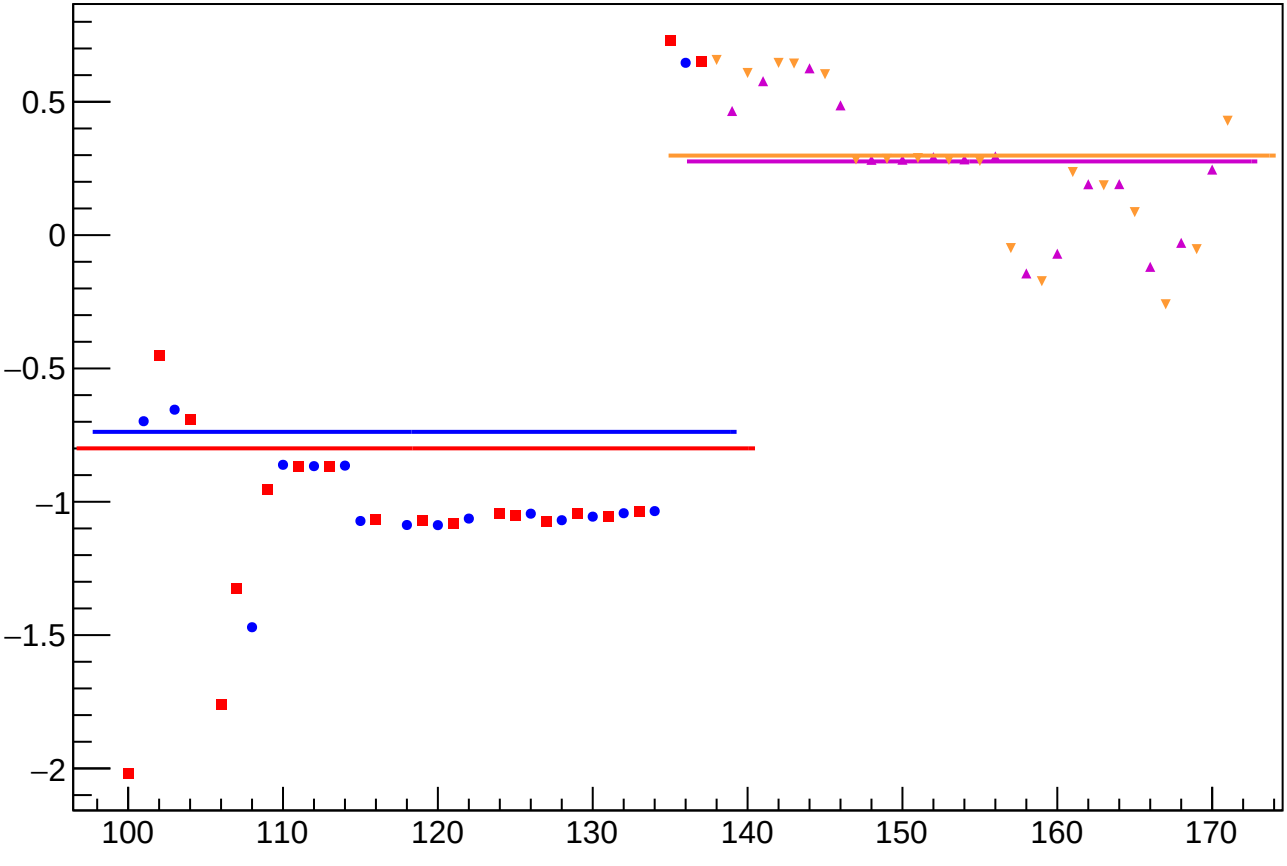
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5561316.5/31

Out: 0.012+/-0.000 χ^2/NDF:5118956.7/36

All: 0.012+/-0.000 χ^2/NDF: 10680719.8/68

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:501775340.7/15

Left: 0.288+/-0.000 χ^2/NDF: 1251274421.9/33

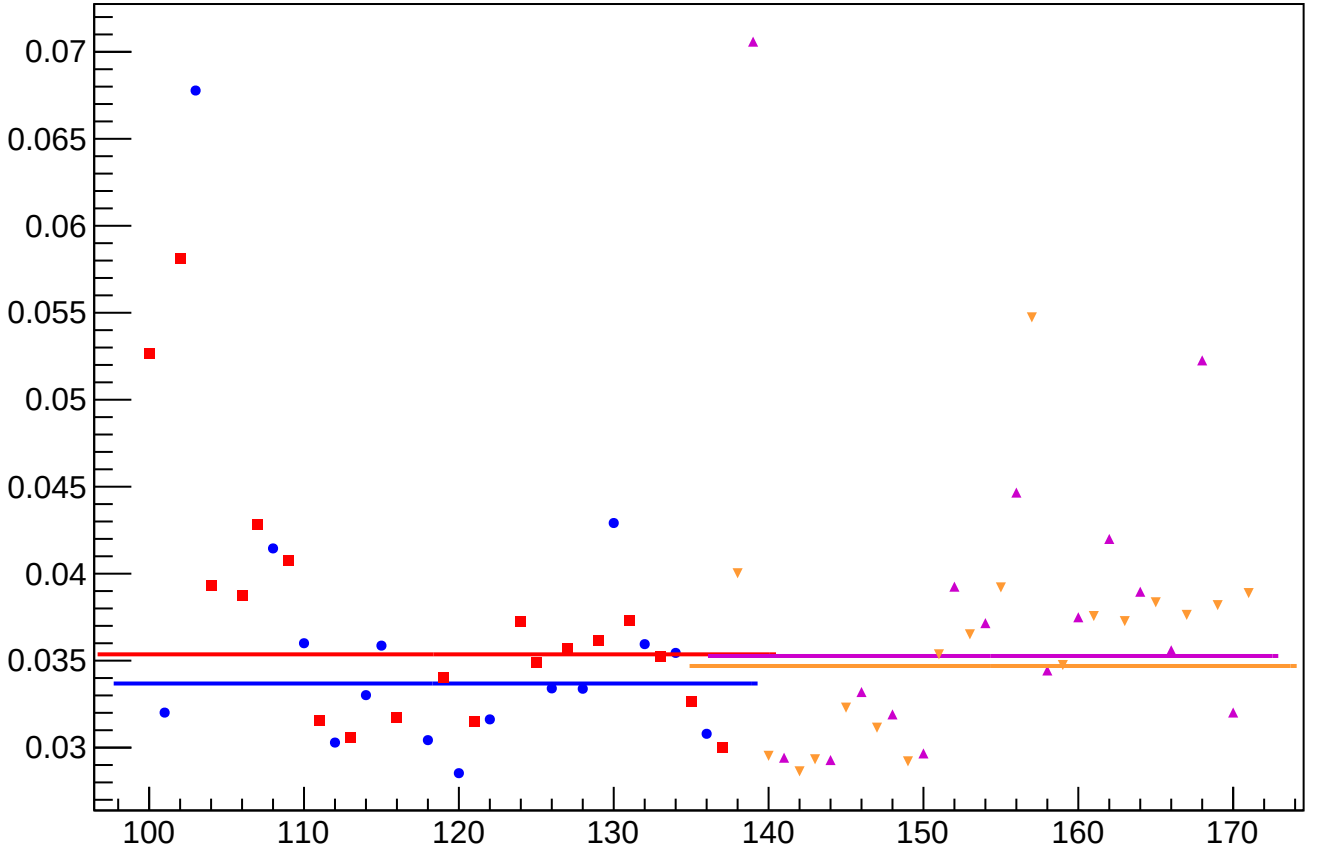
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.106+/-0.000 χ^2/NDF:6131100022.8/31

Out: -0.073+/-0.000 χ^2/NDF:6759111213.8/36

All: -0.089+/-0.000 χ^2/NDF: 12898775906.7/

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:929092.3/15

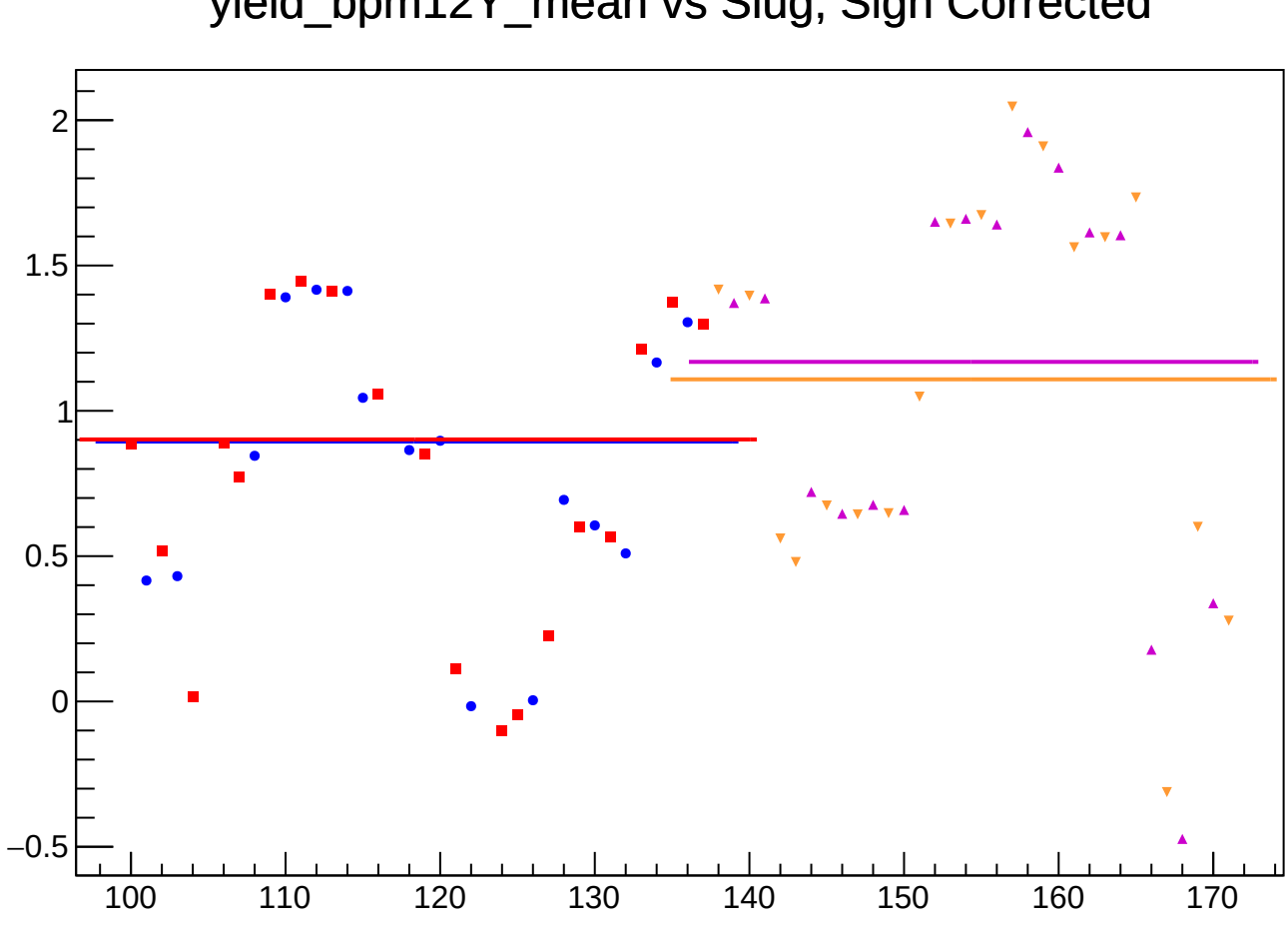
Left: 0.035+/-0.000 χ^2/NDF: 1413086.2/33

Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

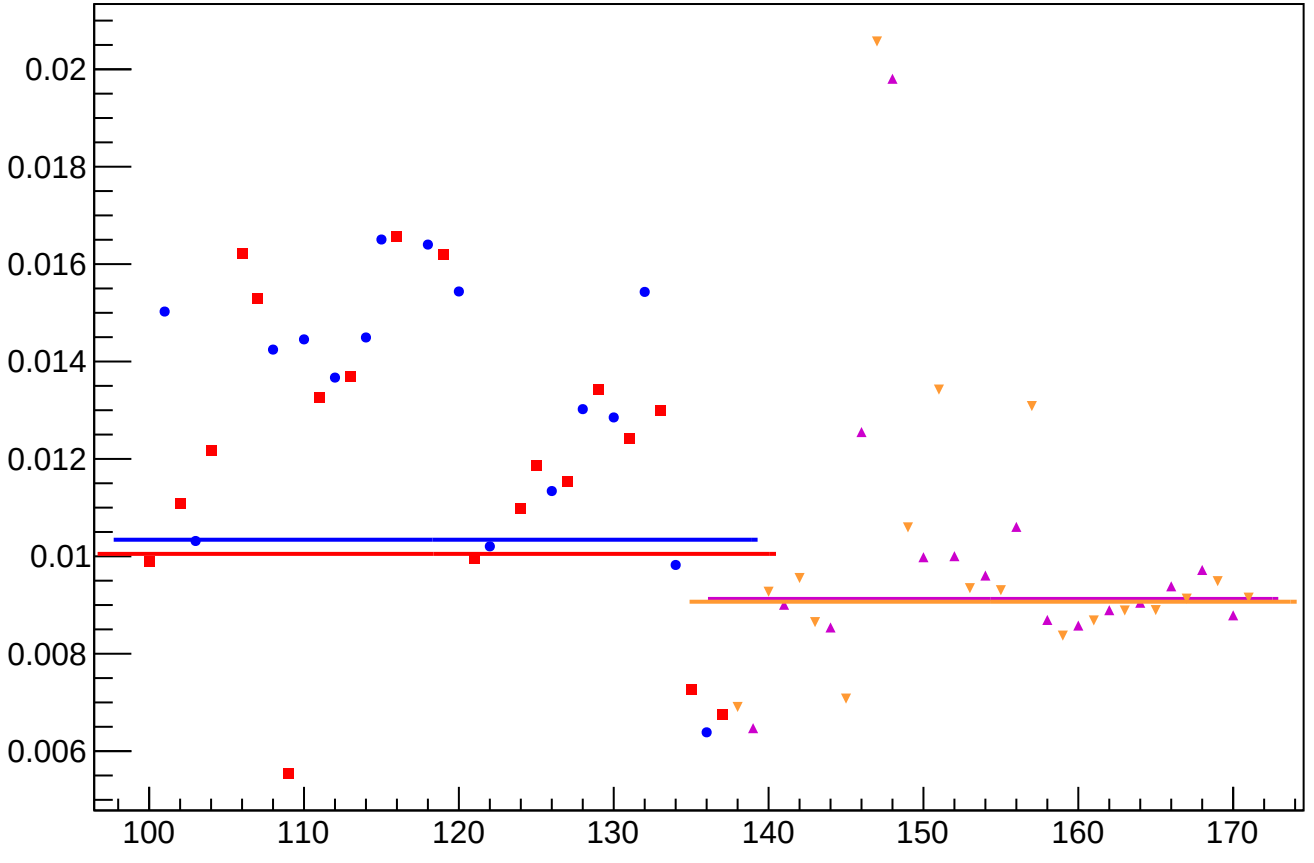
In: 0.035+/-0.000 χ^2/NDF:1366637.3/31

Out: 0.035+/-0.000 χ^2/NDF:780236.0/36

All: 0.035+/-0.000 χ^2/NDF: 2147800.0/68


yield_bpm12Y_mean vs Slug, Sign Corrected
2
1.5
1
0.5
0
−0.5
100
110
120
130
140
150
160
170
Right In: 0.894+/-0.000 χ²/NDF: 12749707787.6/15
Left Out: 1.108+/-0.000 χ²/NDF:65288033312.2/17
Right Out: 0.902+/-0.000 χ²/NDF: 17893051843.7/18
Left In: 1.168+/-0.000 χ²/NDF:65081580843.2/15
Left: 1.137+/-0.000 χ²/NDF: 130643556386.5/33
Right: 0.898+/-0.000 χ²/NDF: 30644277544.6/34
In: 1.092+/-0.000 χ²/NDF:80861587495.0/31
Out: 1.051+/-0.000 χ²/NDF:85048952633.5/36
All: 1.071+/-0.000 χ²/NDF: 166087674483.6

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:927418.2/15

Left: 0.009+/-0.000 χ^2/NDF: 2055291.5/33

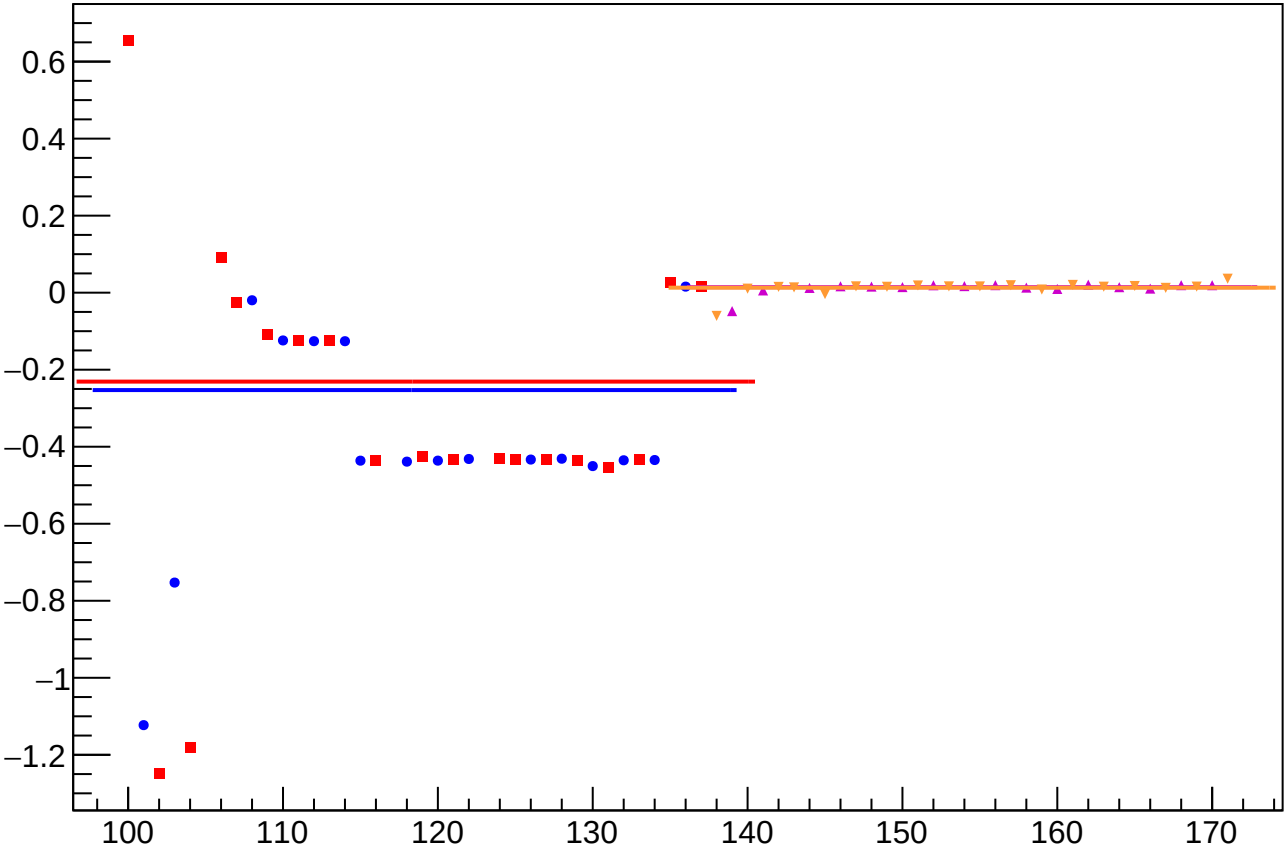
Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2397070.6/31

Out: 0.009+/-0.000 χ^2/NDF:2548511.5/36

All: 0.009+/-0.000 χ^2/NDF: 4948775.2/68

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:6698040.6/15

Left: 0.014+/-0.000 χ^2/NDF: 34160968.4/33

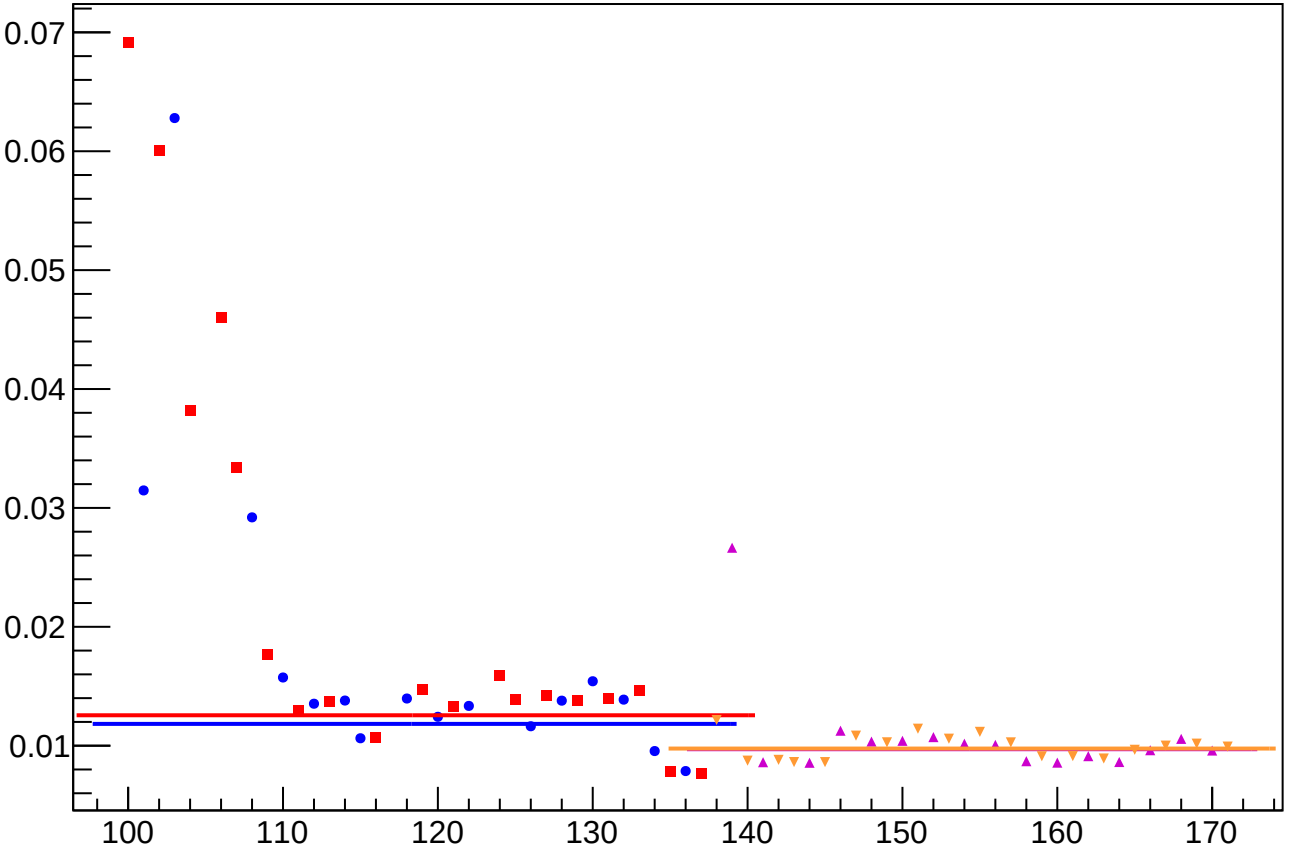
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.049+/-0.000 χ^2/NDF:3970653054.2/31

Out: -0.036+/-0.000 χ^2/NDF:3341886997.4/36

All: -0.042+/-0.000 χ^2/NDF: 7323833676.6/6

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:856469.8/15

Left: 0.010+/-0.000 χ^2/NDF: 1083262.4/33

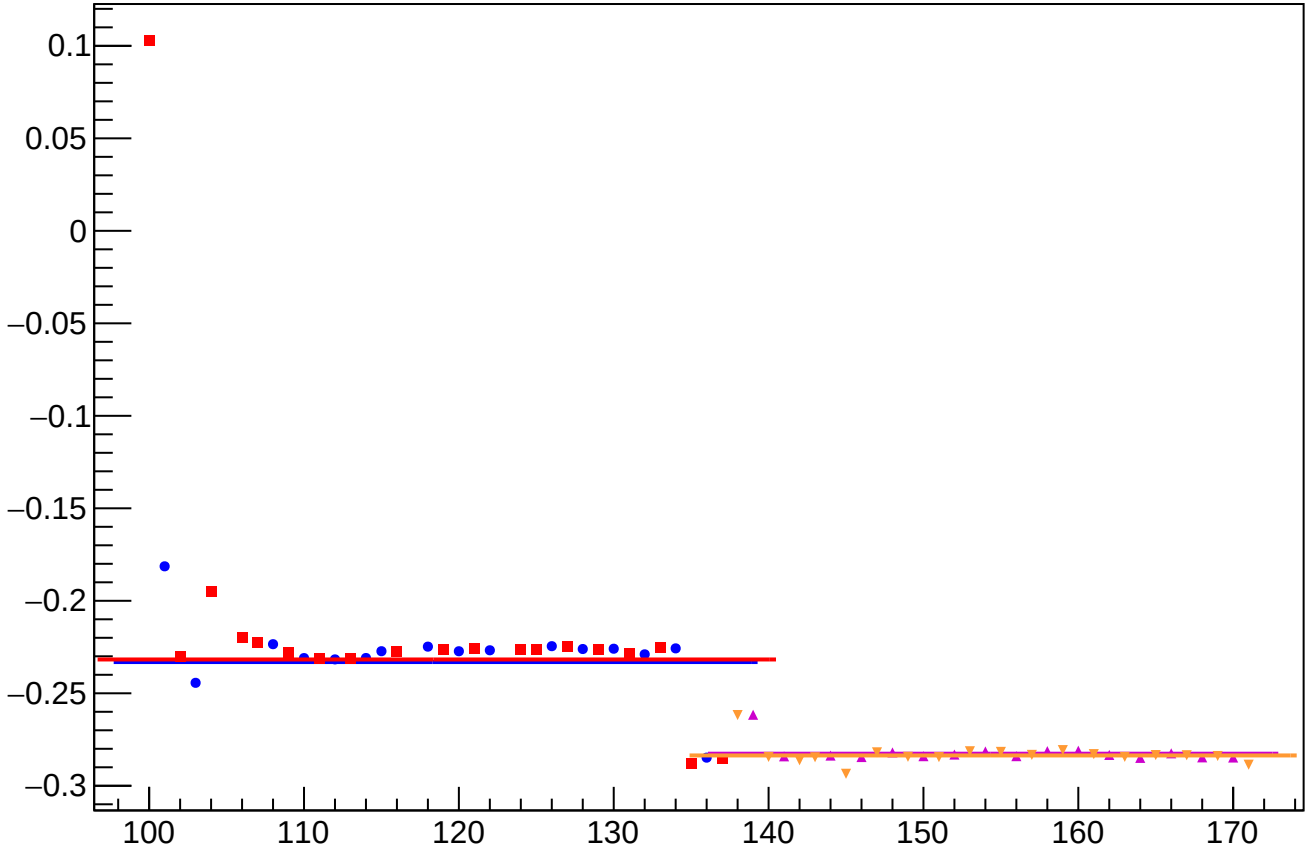
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3045695.4/31

Out: 0.010+/-0.000 χ^2/NDF:2840861.2/36

All: 0.010+/-0.000 χ^2/NDF: 5888870.3/68

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:6766351.5/15

Left: -0.283+/-0.000 χ^2/NDF: 22803856.6/33

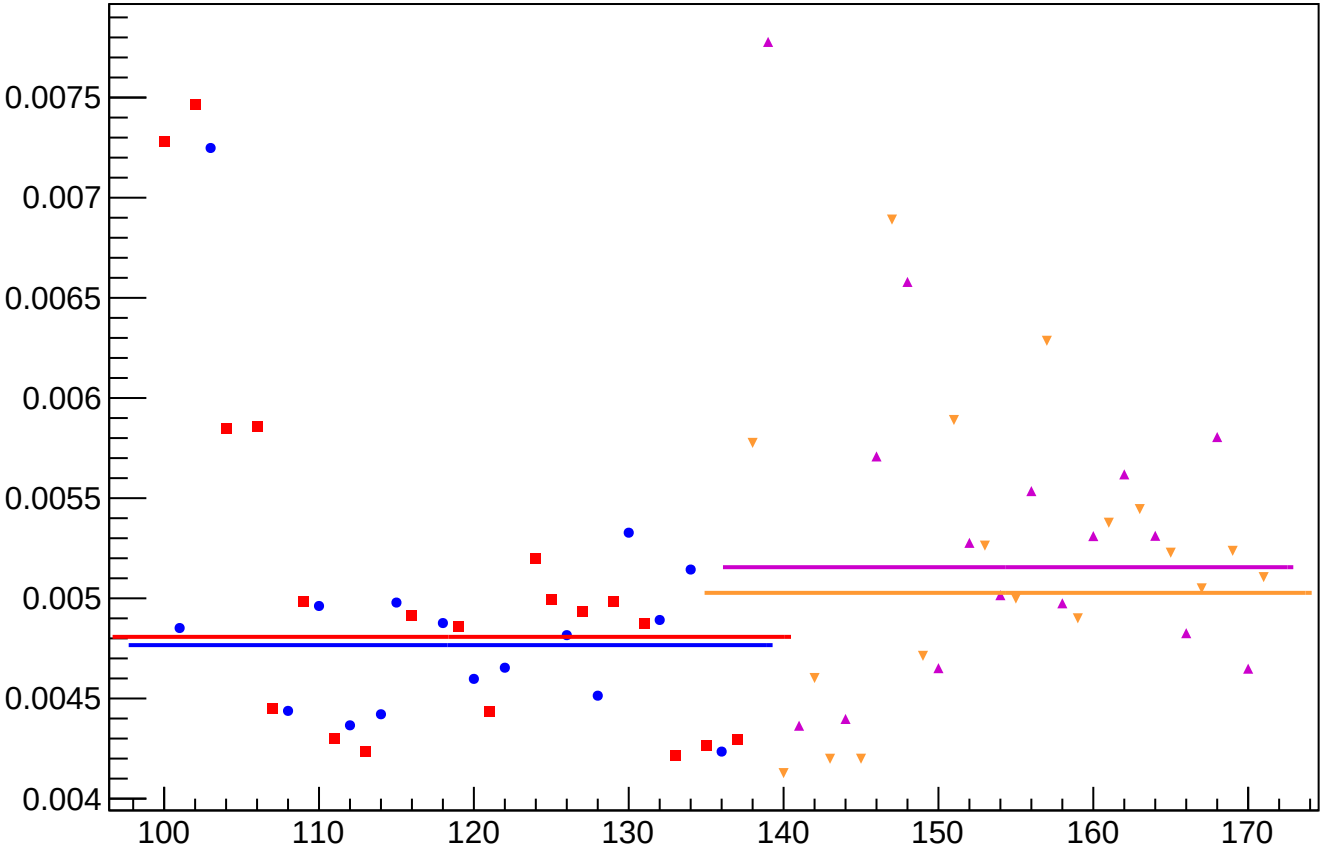
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.264+/-0.000 χ^2/NDF:637353094.6/31

Out: -0.265+/-0.000 χ^2/NDF:804652231.9/36

All: -0.264+/-0.000 χ^2/NDF: 1442574772.1/6

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:463091.8/15

Left: 0.005+/-0.000 χ^2/NDF: 927555.8/33

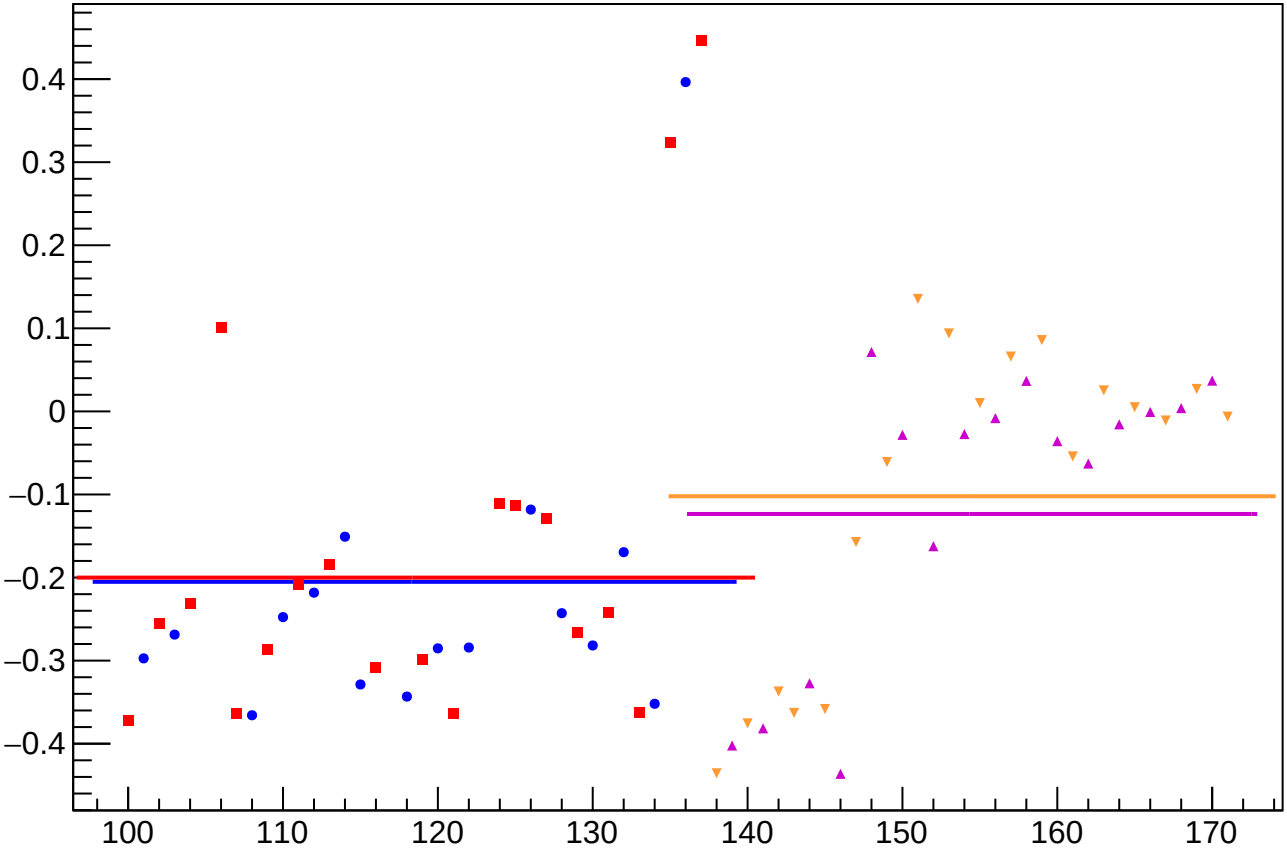
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:708057.8/31

Out: 0.005+/-0.000 χ^2/NDF:768152.8/36

All: 0.005+/-0.000 χ^2/NDF: 1478904.2/68

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: -0.123+/-0.000 χ^2/NDF:11570613440.6/15

Left: -0.112+/-0.000 χ^2/NDF: 27561896311.2/33

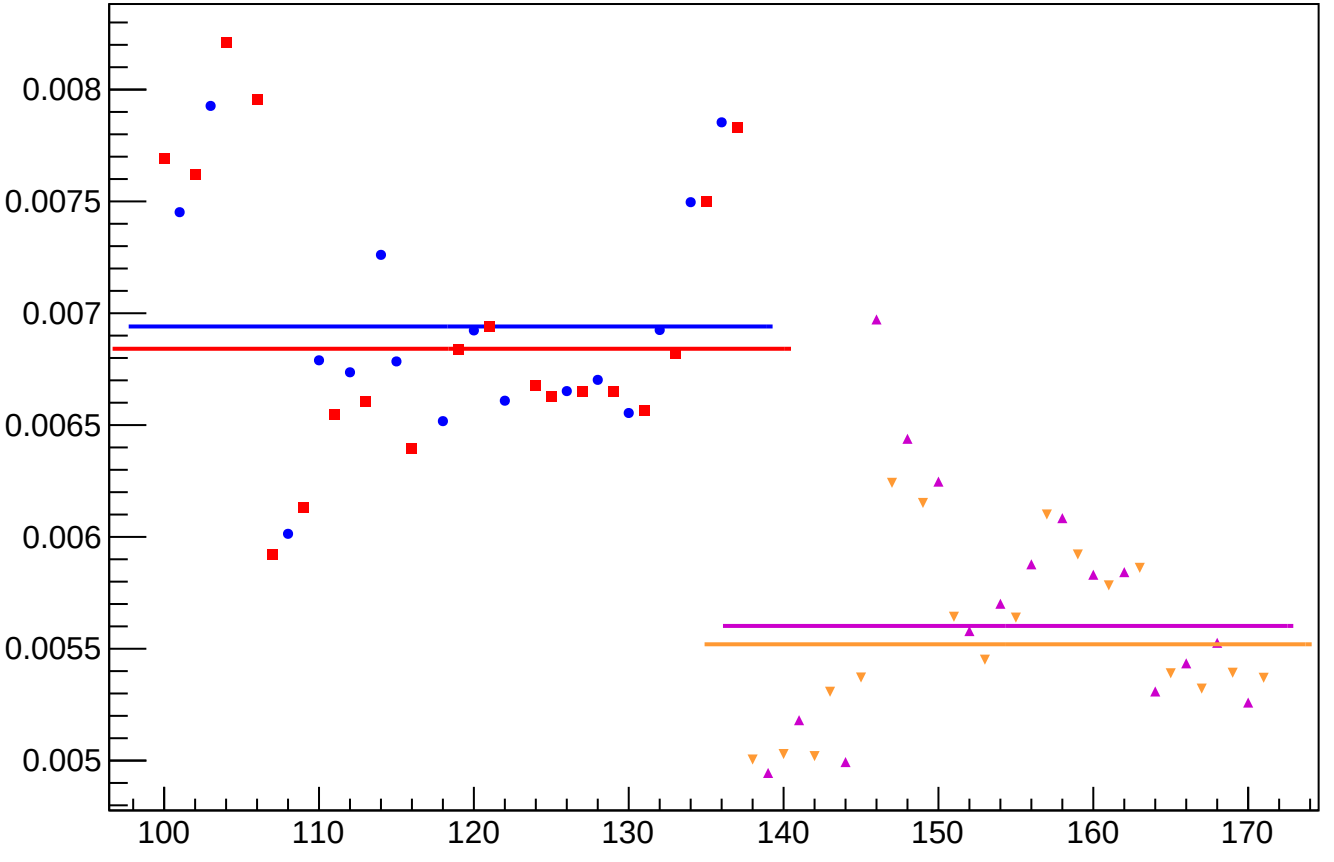
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.146+/-0.000 χ^2/NDF:18468509478.4/31

Out: -0.128+/-0.000 χ^2/NDF:22240521519.7/36

All: -0.136+/-0.000 χ^2/NDF: 40800956248.5/

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:193151.8/15

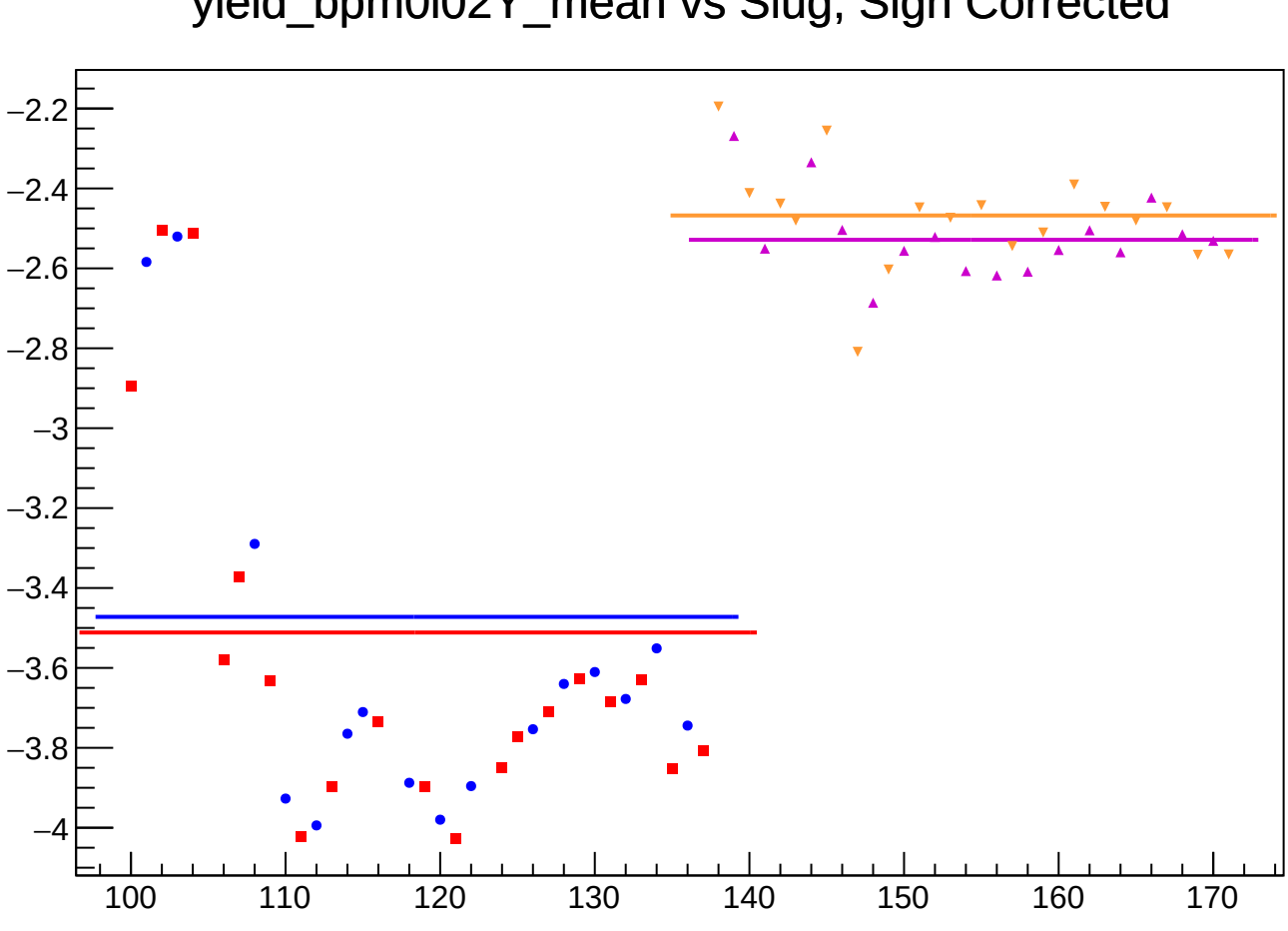
Left: 0.006+/-0.000 χ^2/NDF: 310838.7/33

Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:659385.4/31

Out: 0.006+/-0.000 χ^2/NDF:612907.0/36

All: 0.006+/-0.000 χ^2/NDF: 1278215.6/68



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.468+/-0.000 χ^2/NDF:1888125542.7/17

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.529+/-0.000 χ^2/NDF:1393129798.6/15

Left: -2.496+/-0.000 χ^2/NDF: 3599020003.9/33

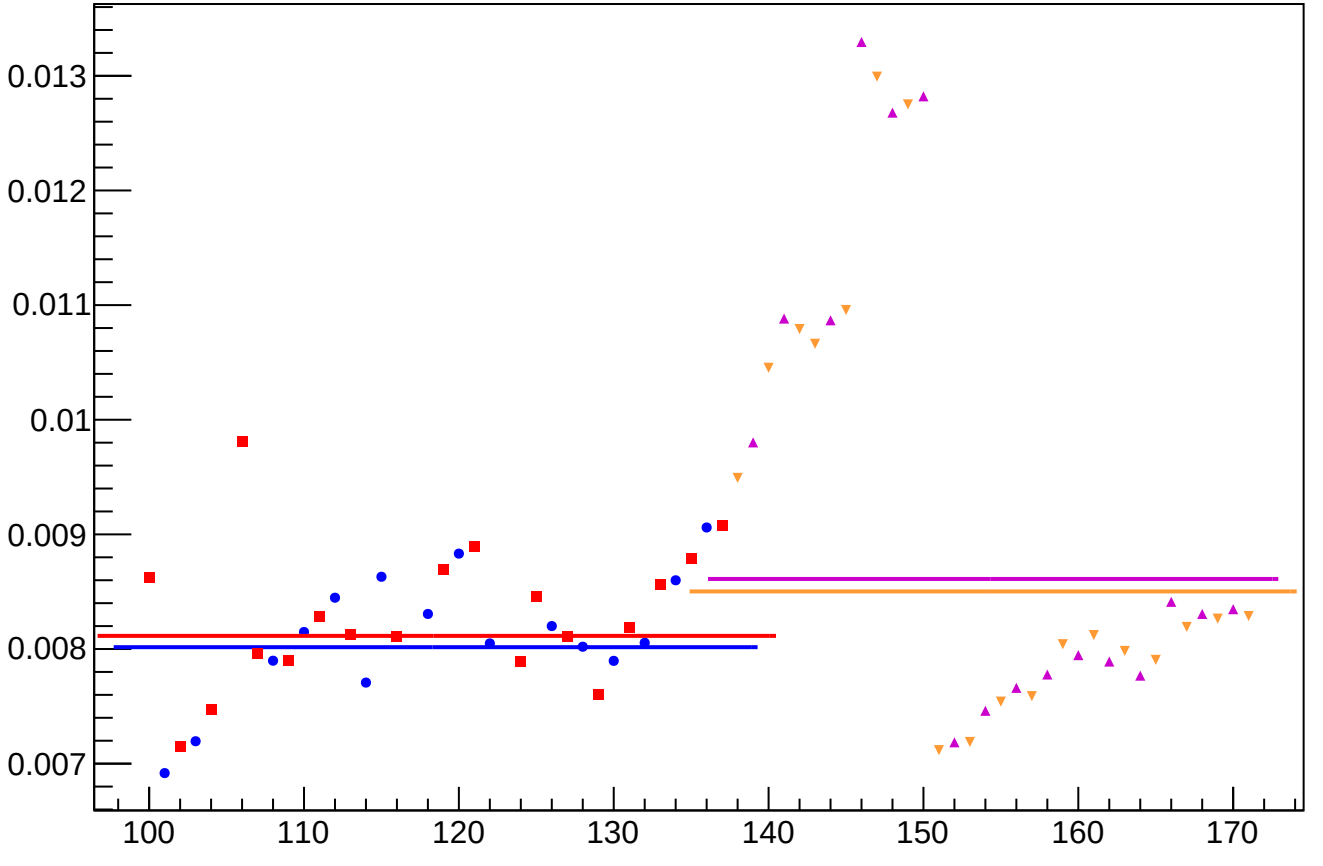
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.906+/-0.000 χ^2/NDF:89037674220.8/31

Out: -2.858+/-0.000 χ^2/NDF:105309216787.4/36

All: -2.881+/-0.000 χ^2/NDF: 194678195753.1

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:850074.3/15

Left: 0.009+/-0.000 χ^2/NDF: 1601169.8/33

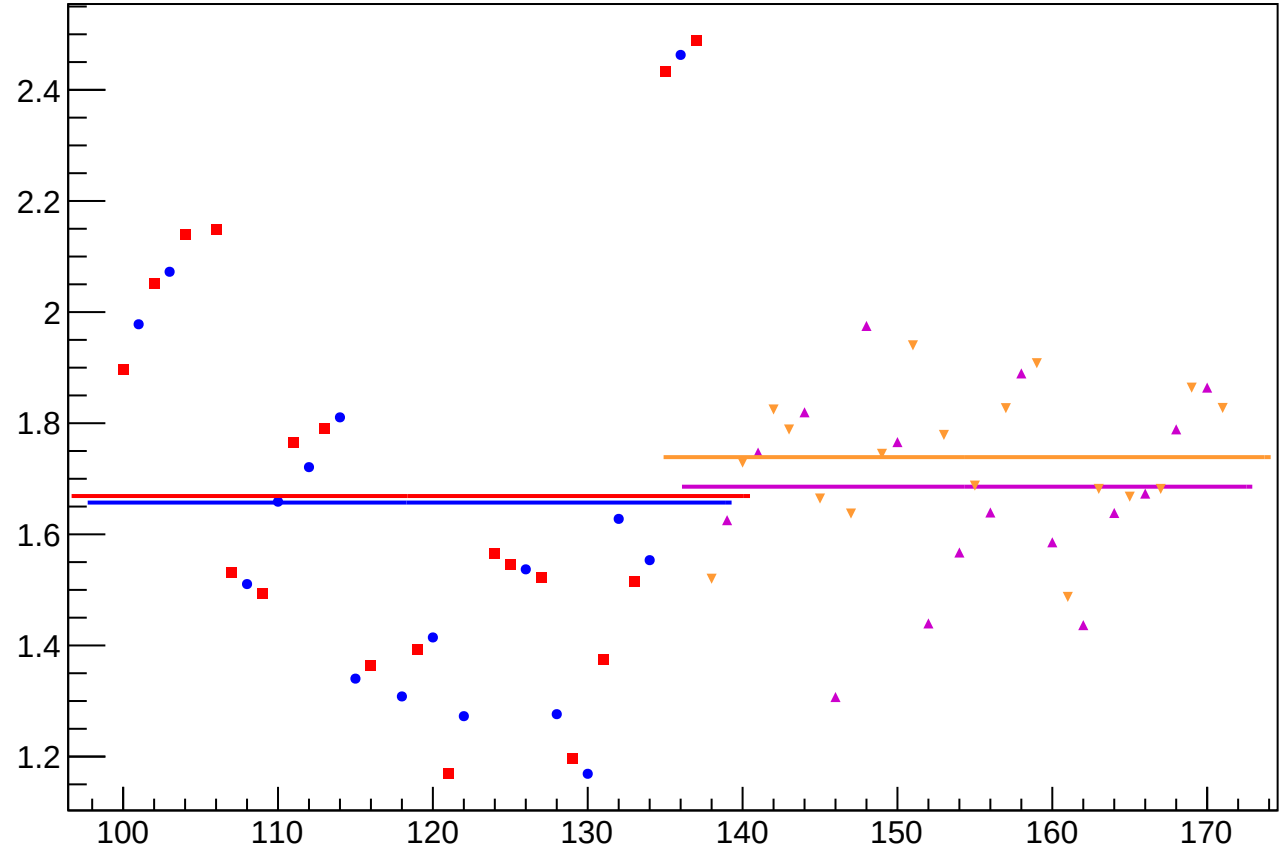
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:982477.4/31

Out: 0.008+/-0.000 χ^2/NDF:840468.3/36

All: 0.008+/-0.000 χ^2/NDF: 1823012.3/68

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: 1.686+/-0.000 χ^2/NDF:2523260797.9/15

Left: 1.714+/-0.000 χ^2/NDF: 4175493698.5/33

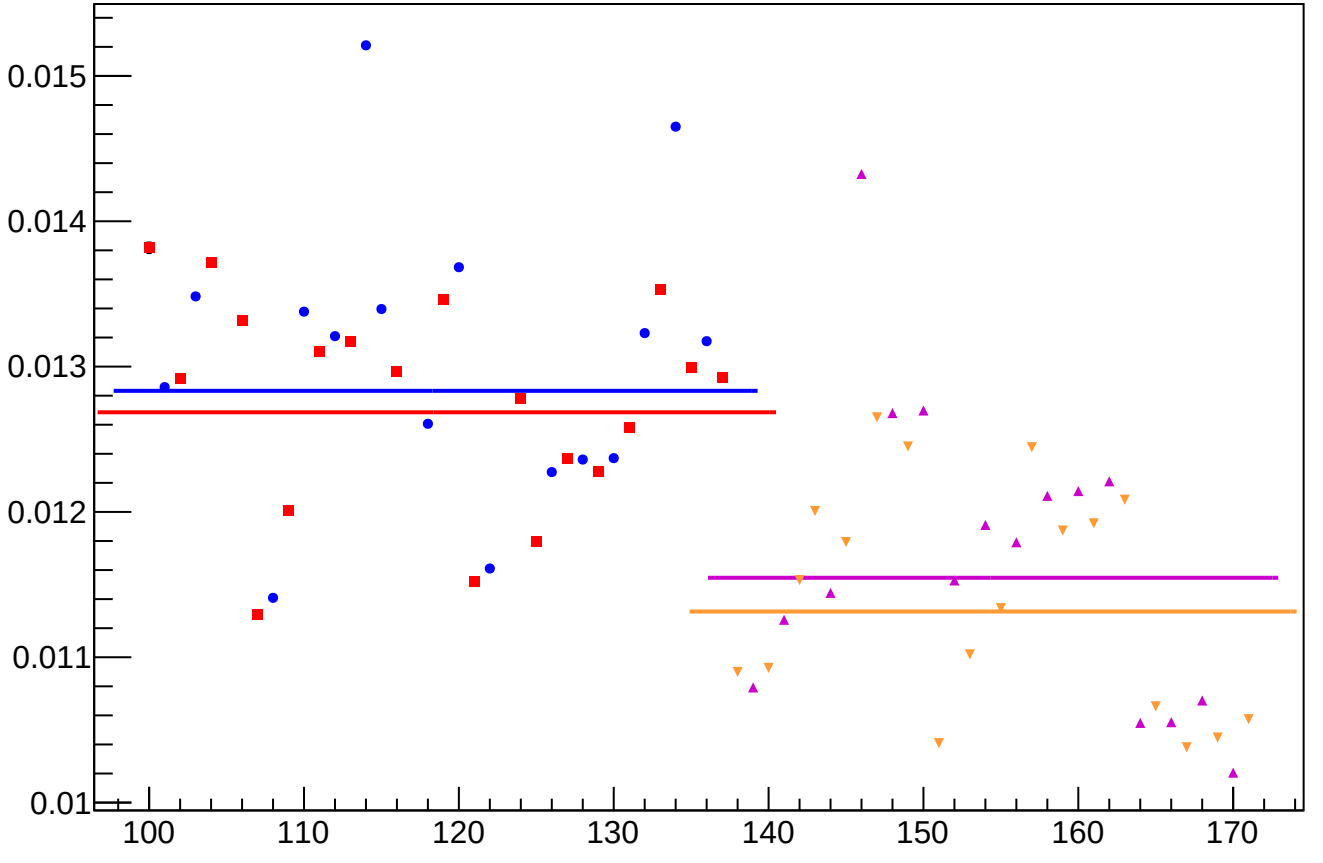
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.677+/-0.000 χ^2/NDF:9213268922.9/31

Out: 1.718+/-0.000 χ^2/NDF:8024556381.5/36

All: 1.698+/-0.000 χ^2/NDF: 17359049968.6/6

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: 0.012+/-0.000 χ^2/NDF:166649.8/15

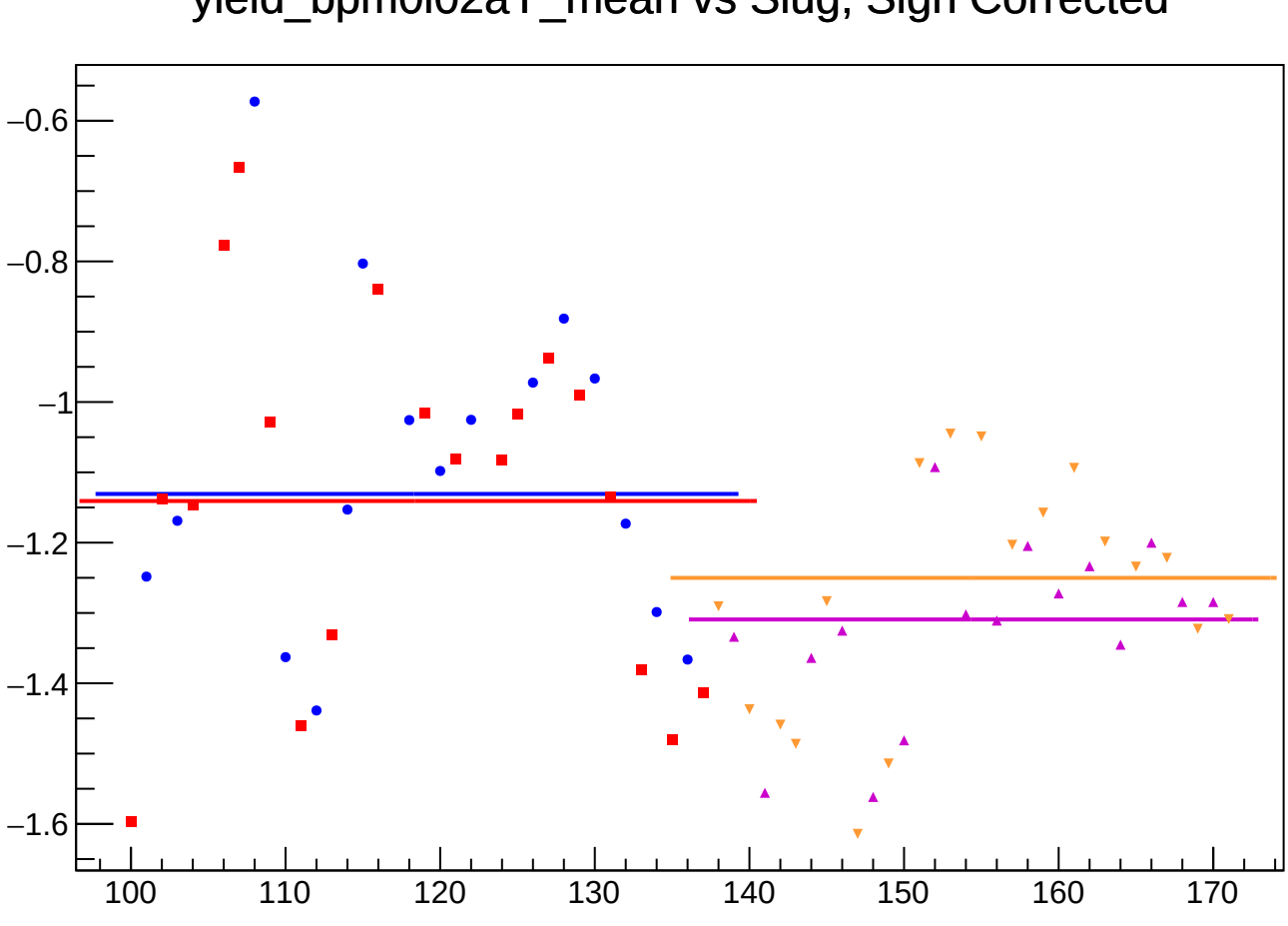
Left: 0.011+/-0.000 χ^2/NDF: 289417.8/33

Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:315758.8/31

Out: 0.012+/-0.000 χ^2/NDF:278910.6/36

All: 0.012+/-0.000 χ^2/NDF: 602059.3/68



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.250+/-0.000 χ^2/NDF:4511556208.9/17

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.309+/-0.000 χ^2/NDF:2283145848.4/15

Left: -1.278+/-0.000 χ^2/NDF: 7115768058.3/33

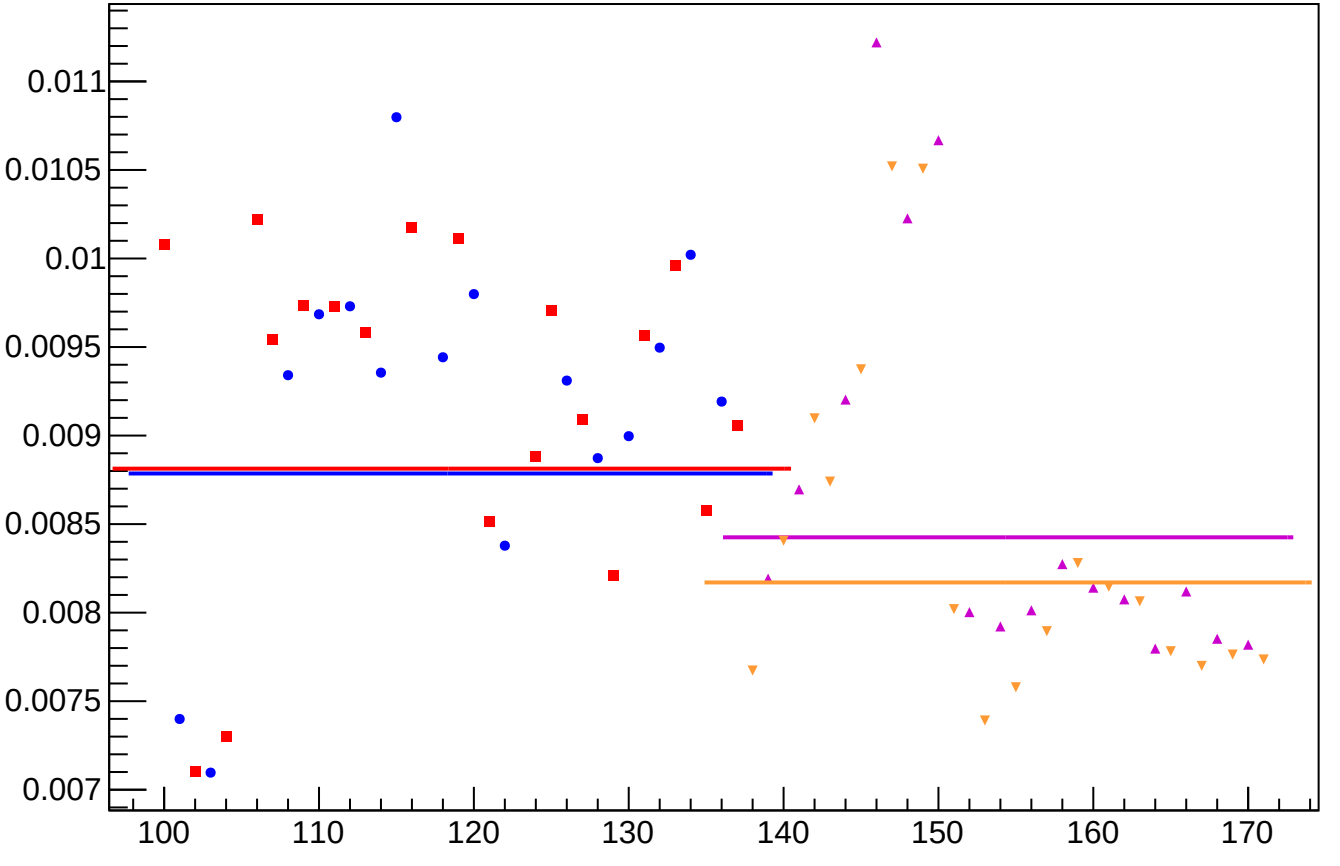
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.248+/-0.000 χ^2/NDF:7938711015.6/31

Out: -1.216+/-0.000 χ^2/NDF:8790308838.3/36

All: -1.231+/-0.000 χ^2/NDF: 16873250362.3/

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:261717.6/15

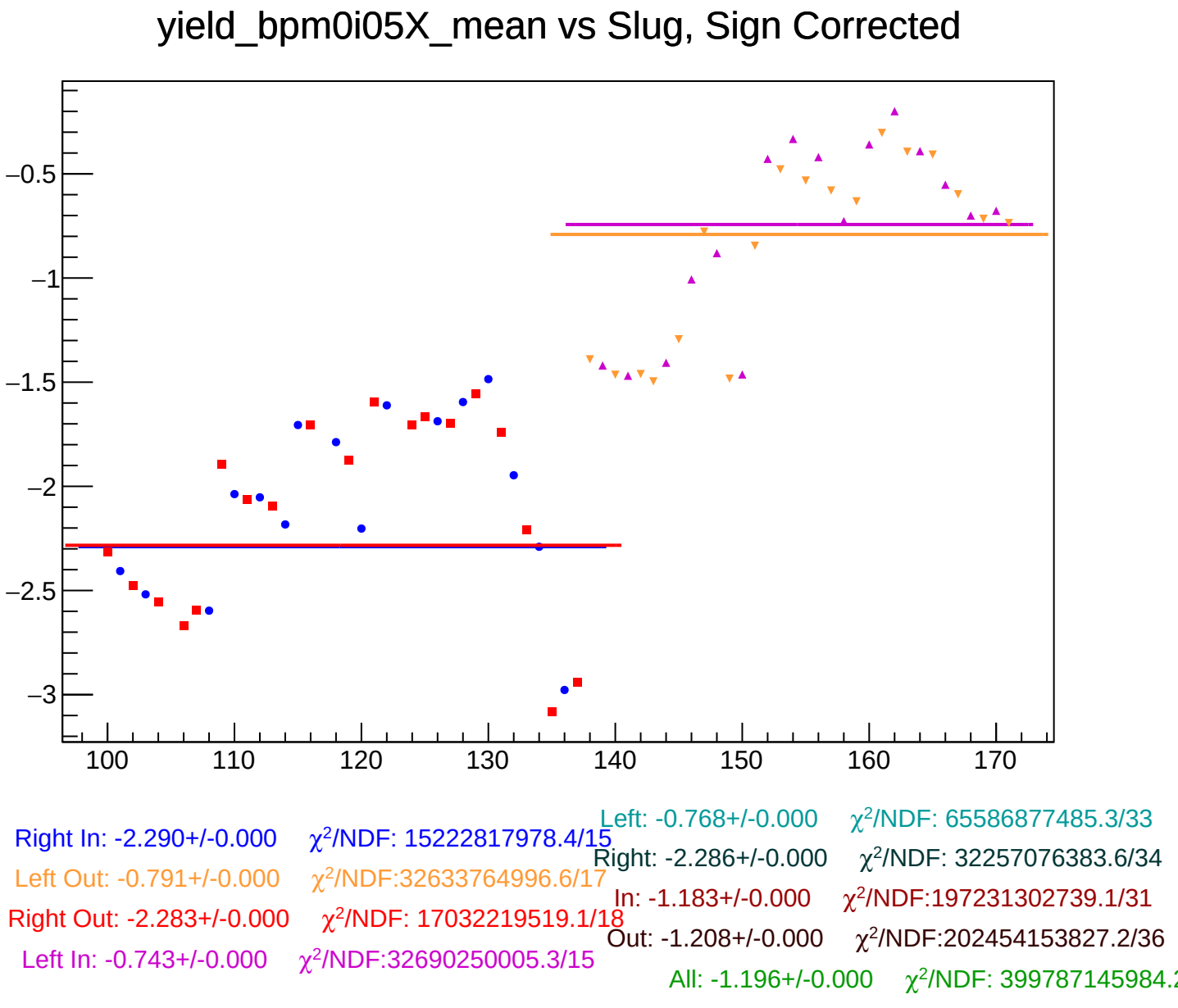
Left: 0.008+/-0.000 χ^2/NDF: 505167.4/33

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

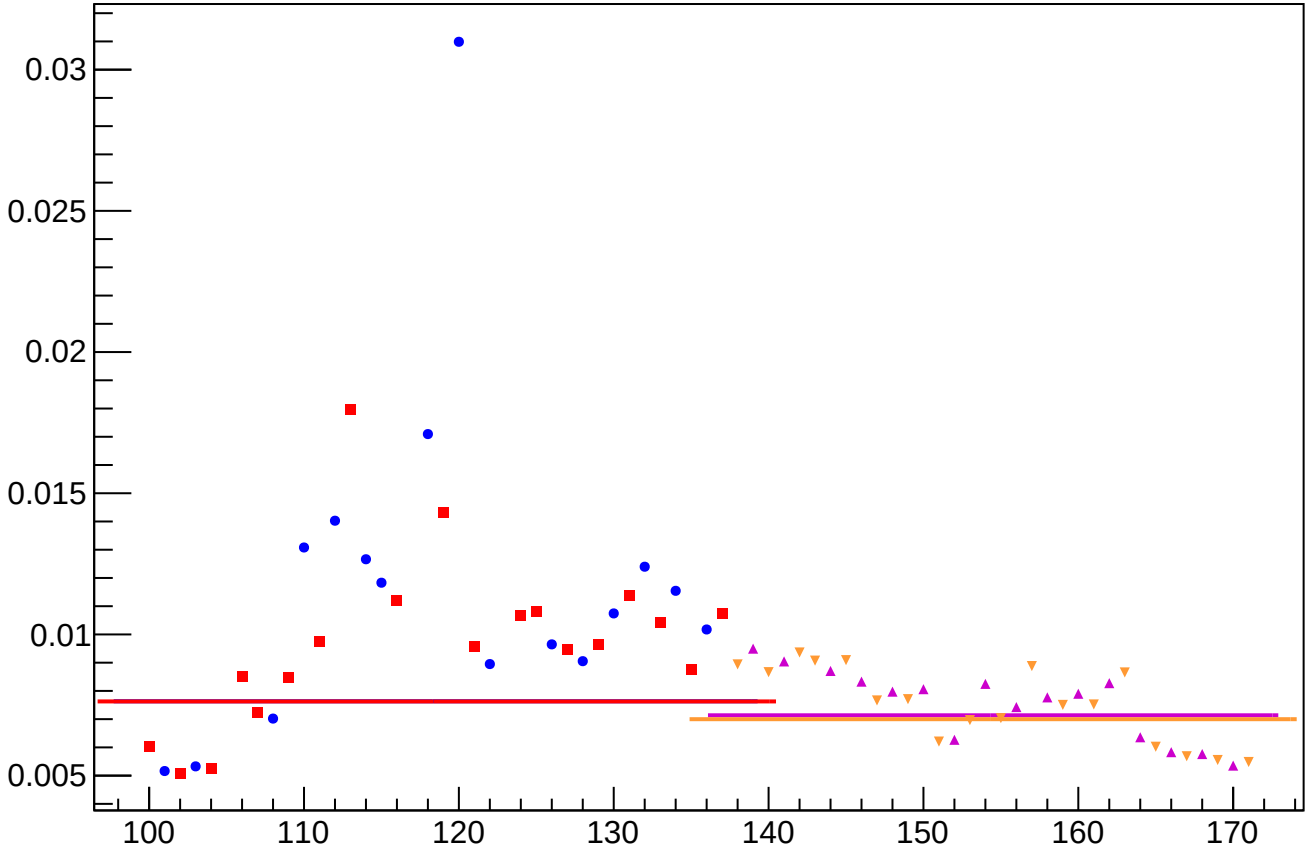
In: 0.009+/-0.000 χ^2/NDF:450404.8/31

Out: 0.008+/-0.000 χ^2/NDF:486720.9/36

All: 0.008+/-0.000 χ^2/NDF: 945669.9/68


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.791+/-0.000 χ²/NDF:32633764996.6/17
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.743+/-0.000 χ²/NDF:32690250005.3/15
Left: -0.768+/-0.000 χ²/NDF: 65586877485.3/33
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.183+/-0.000 χ²/NDF:197231302739.1/31
Out: -1.208+/-0.000 χ²/NDF:202454153827.2/36
All: -1.196+/-0.000 χ²/NDF: 399787145984.2

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:730215.5/15

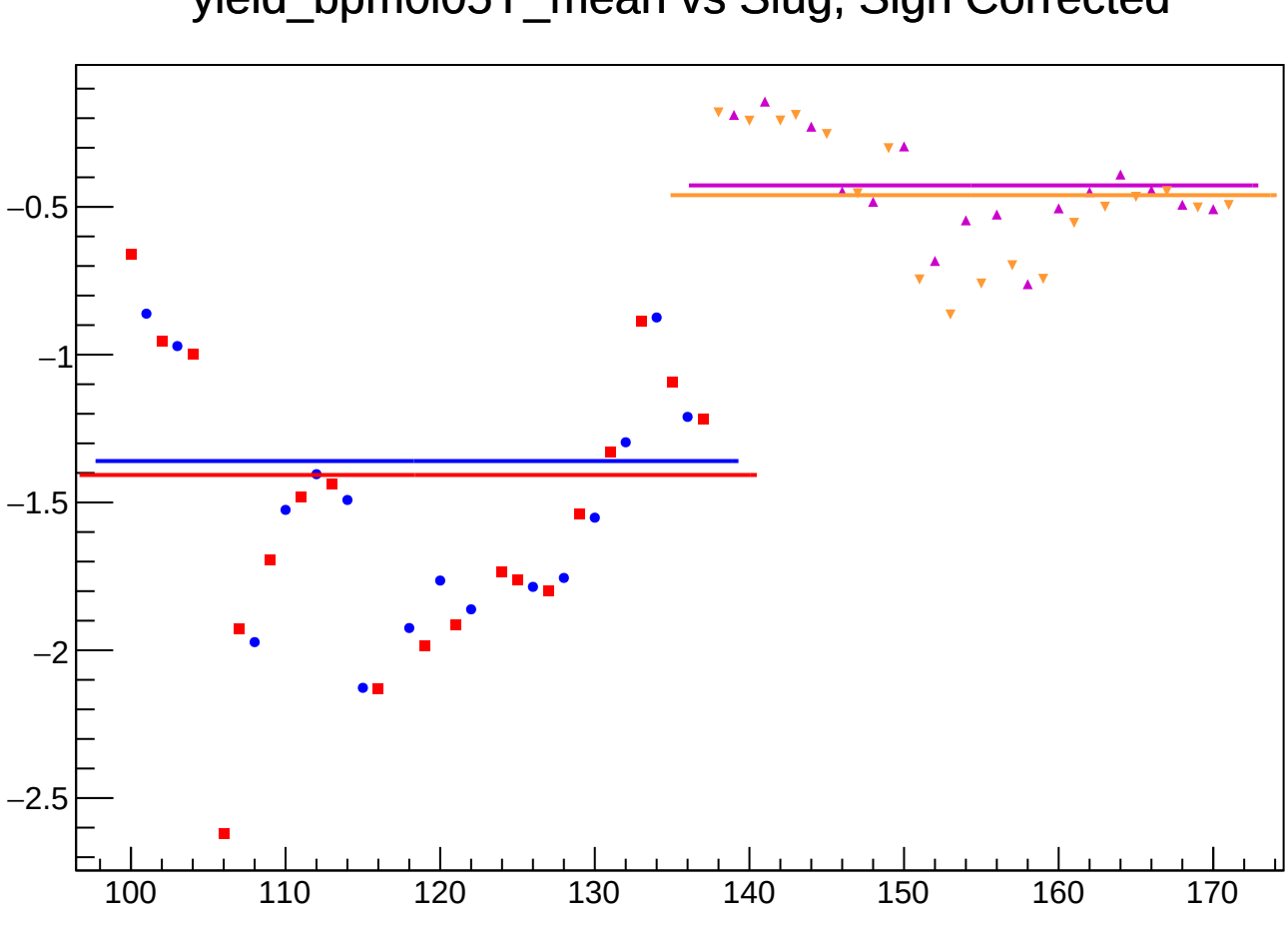
Left: 0.007+/-0.000 χ^2/NDF: 1557906.2/33

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

In: 0.007+/-0.000 χ^2/NDF:2471764.3/31

Out: 0.007+/-0.000 χ^2/NDF:2195319.0/36

All: 0.007+/-0.000 χ^2/NDF: 4670522.1/68



Right In: -1.360+/-0.000 χ^2/NDF: 21491965614.5/15

Left Out: -0.460+/-0.000 χ^2/NDF:28038504306.5/17

Right Out: -1.407+/-0.000 χ^2/NDF: 29835610413.0/18

Left In: -0.427+/-0.000 χ^2/NDF:16036109750.2/15

Left: -0.445+/-0.000 χ^2/NDF: 44400221729.1/33

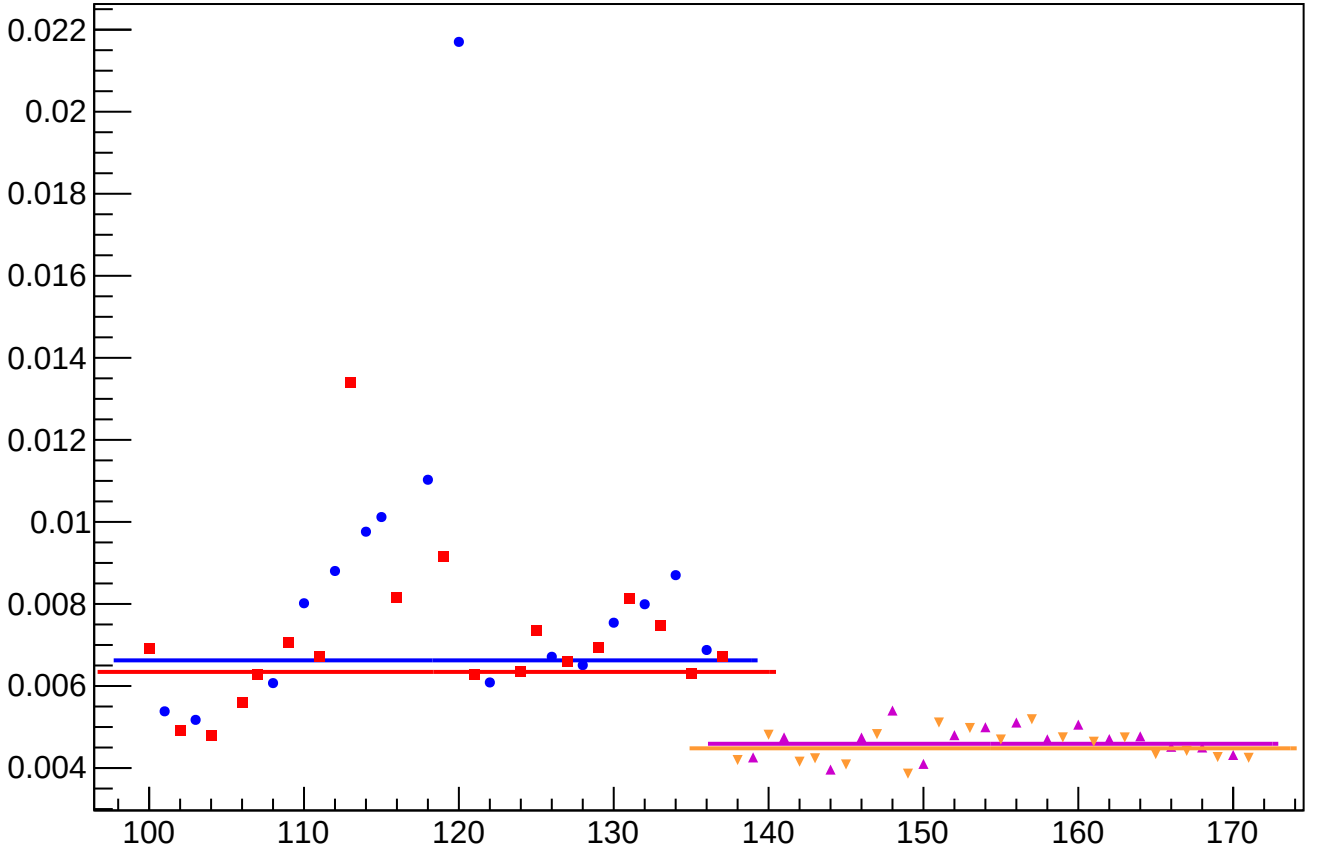
Right: -1.385+/-0.000 χ^2/NDF: 51484688313.9/34

In: -0.605+/-0.000 χ^2/NDF:130355882045.9/31

Out: -0.643+/-0.000 χ^2/NDF:167902659246.3/36

All: -0.625+/-0.000 χ^2/NDF: 298778658832.4

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:167737.3/17

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:157258.7/15

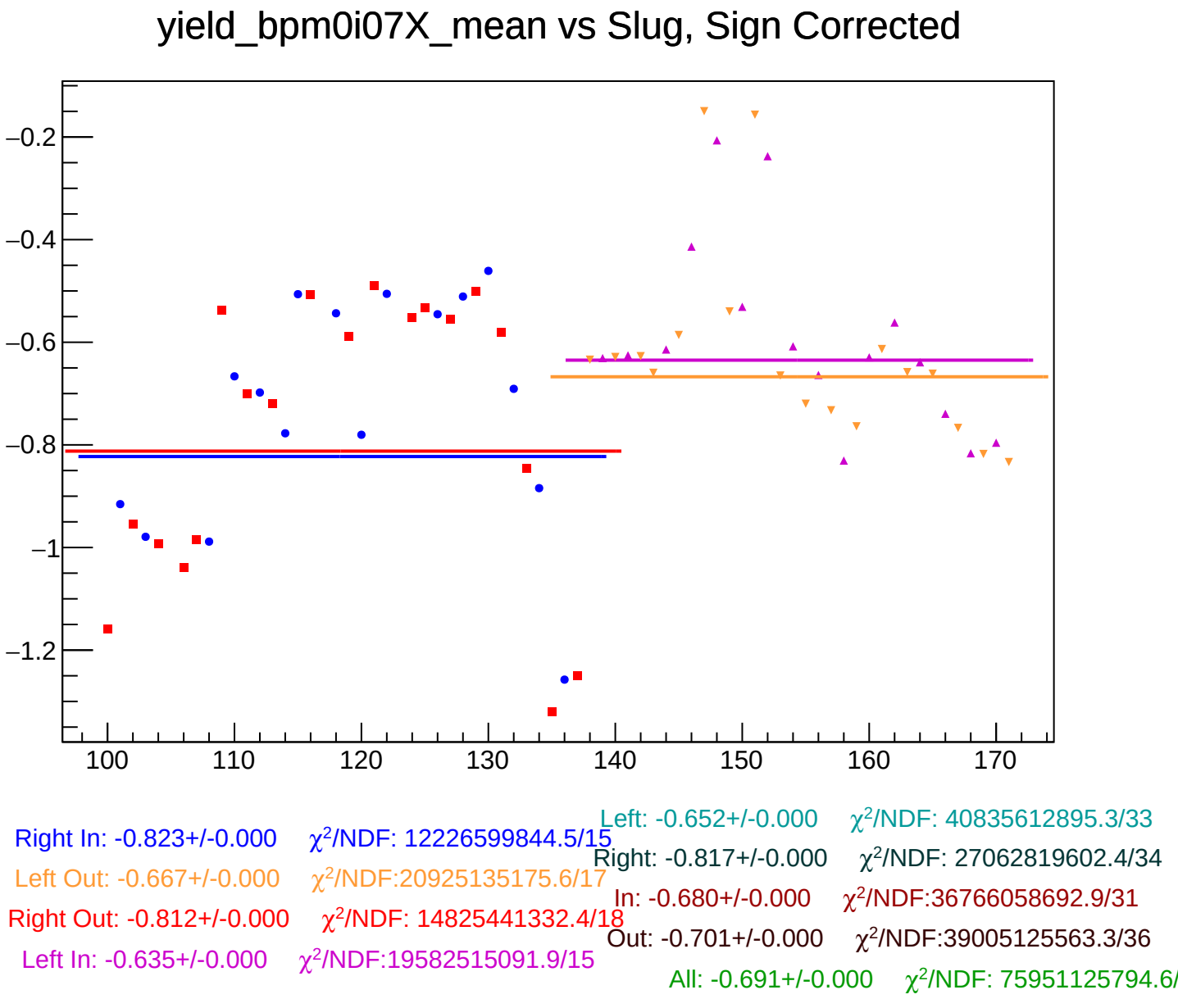
Left: 0.005+/-0.000 χ^2/NDF: 332294.4/33

Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

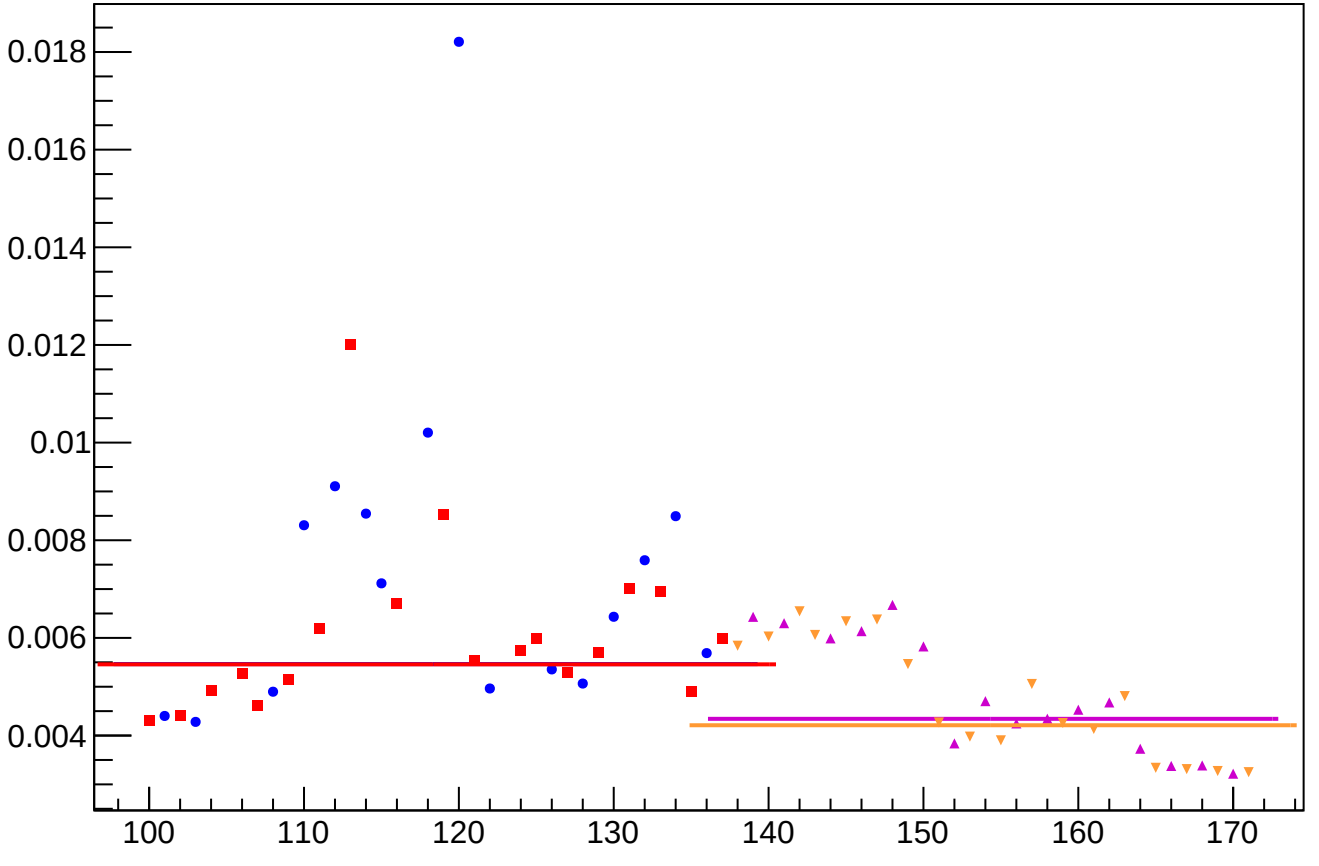
In: 0.005+/-0.000 χ^2/NDF:1734048.4/31

Out: 0.005+/-0.000 χ^2/NDF:1549067.3/36

All: 0.005+/-0.000 χ^2/NDF: 3297491.7/68


yield_bpm0i07X_mean vs Slug, Sign Corrected
−0.2
−0.4
−0.6
−0.8
−1
−1.2
100
110
120
130
140
150
160
170
Right In: -0.823+/-0.000 χ²/NDF: 12226599844.5/15
Left Out: -0.667+/-0.000 χ²/NDF:20925135175.6/17
Right Out: -0.812+/-0.000 χ²/NDF: 14825441332.4/18
Left In: -0.635+/-0.000 χ²/NDF:19582515091.9/15
Left: -0.652+/-0.000 χ²/NDF: 40835612895.3/33
Right: -0.817+/-0.000 χ²/NDF: 27062819602.4/34
In: -0.680+/-0.000 χ²/NDF:36766058692.9/31
Out: -0.701+/-0.000 χ²/NDF:39005125563.3/36
All: -0.691+/-0.000 χ²/NDF: 75951125794.6/

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:1344177.2/15

Left: 0.004+/-0.000 χ^2/NDF: 2762940.3/33

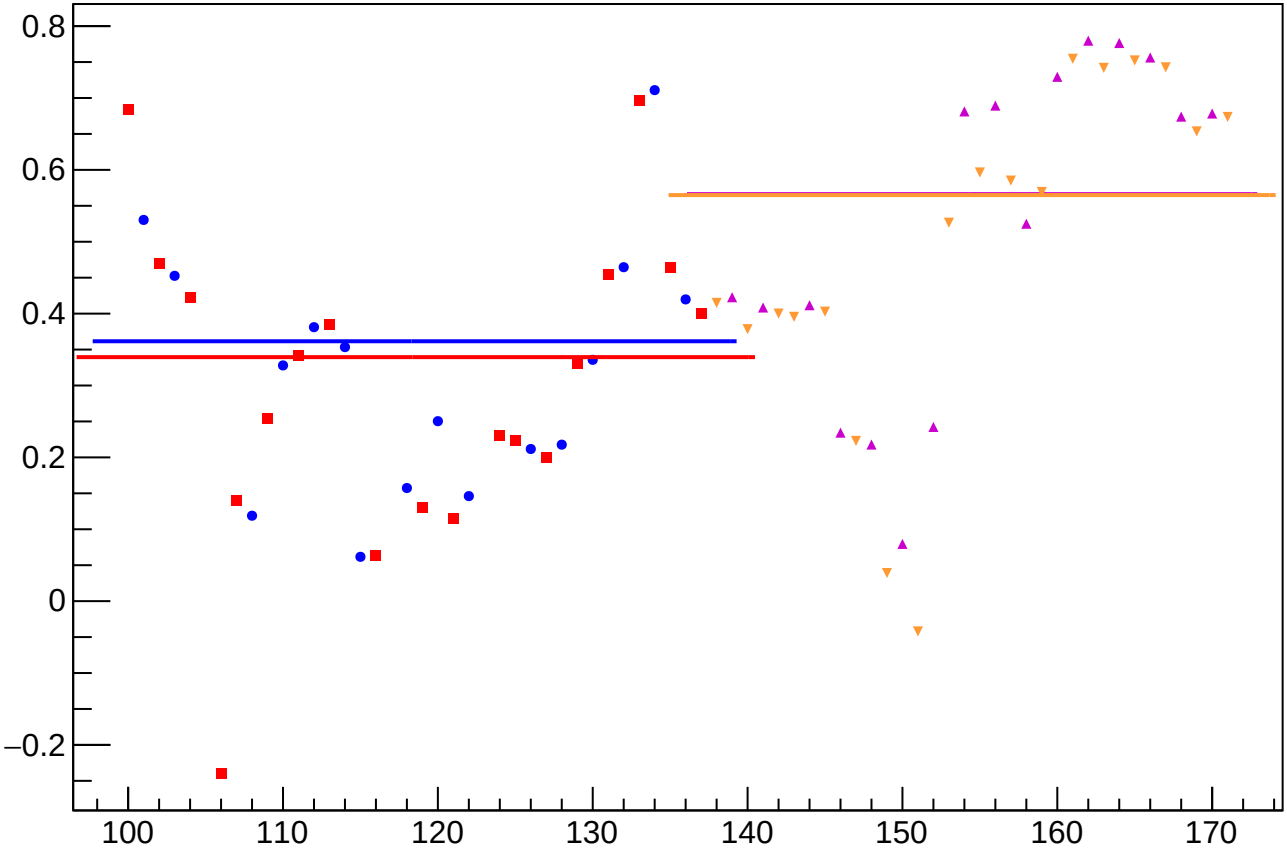
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.005+/-0.000 χ^2/NDF:2658621.3/31

Out: 0.004+/-0.000 χ^2/NDF:2398165.6/36

All: 0.005+/-0.000 χ^2/NDF: 5066882.9/68

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: 0.566+/-0.000 χ^2/NDF:33252614157.8/15

Left: 0.566+/-0.000 χ^2/NDF: 72426454319.1/33

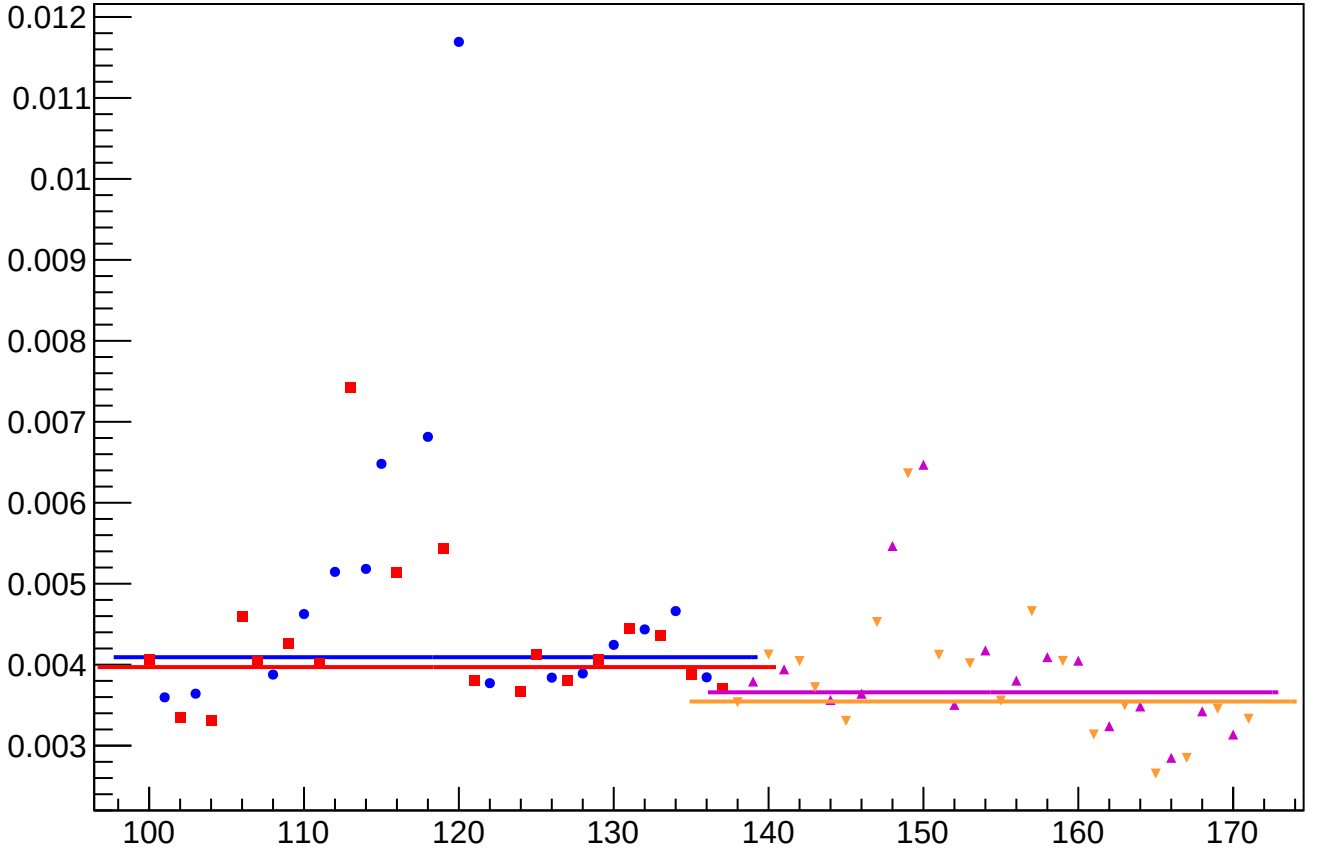
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.501+/-0.000 χ^2/NDF:52492348036.6/31

Out: 0.495+/-0.000 χ^2/NDF:65499803028.3/36

All: 0.498+/-0.000 χ^2/NDF: 118016908911.2

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:630886.8/15

Left: 0.004+/-0.000 χ^2/NDF: 1388997.4/33

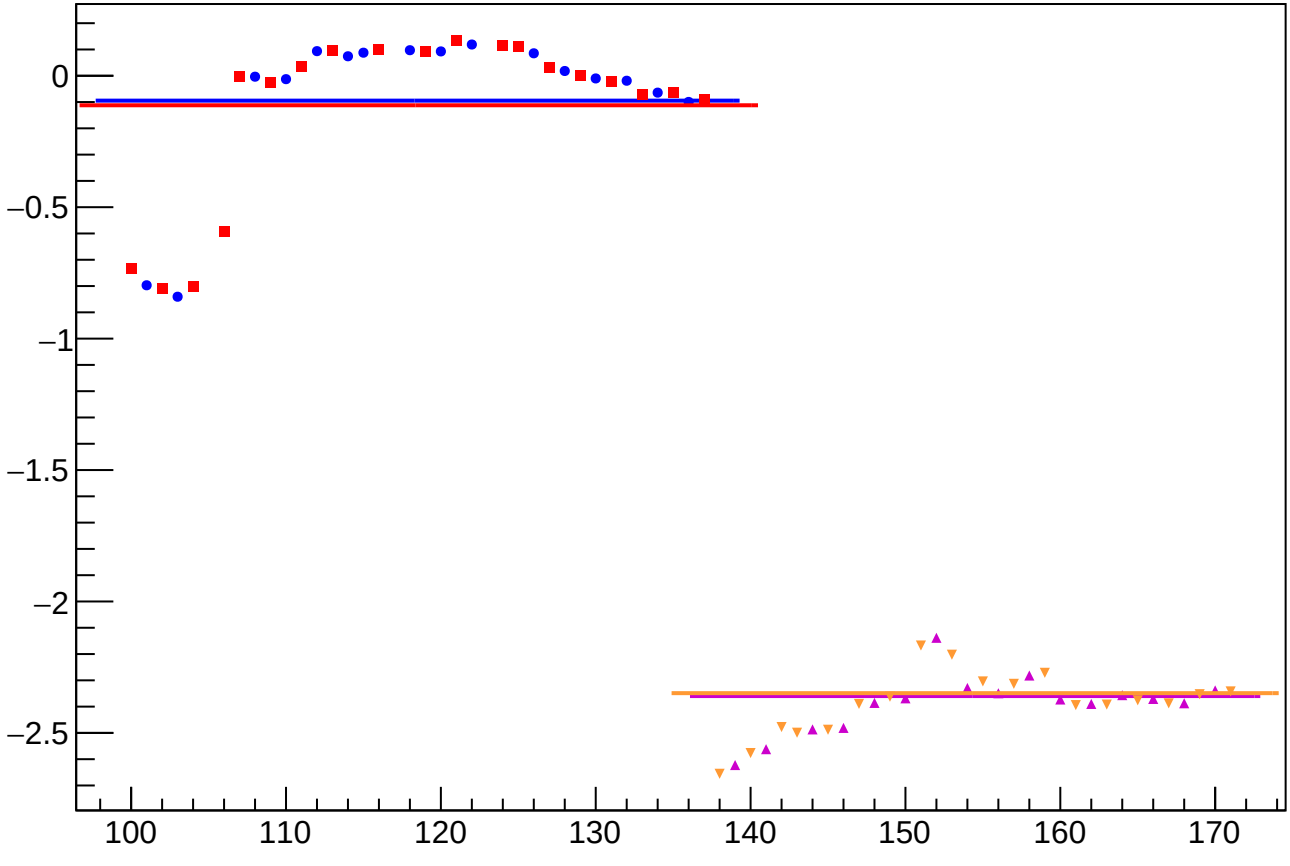
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1216572.4/31

Out: 0.004+/-0.000 χ^2/NDF:1162312.7/36

All: 0.004+/-0.000 χ^2/NDF: 2396294.5/68

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:1297057945.0/15

Left: -2.354+/-0.000 χ^2/NDF: 2977997035.4/33

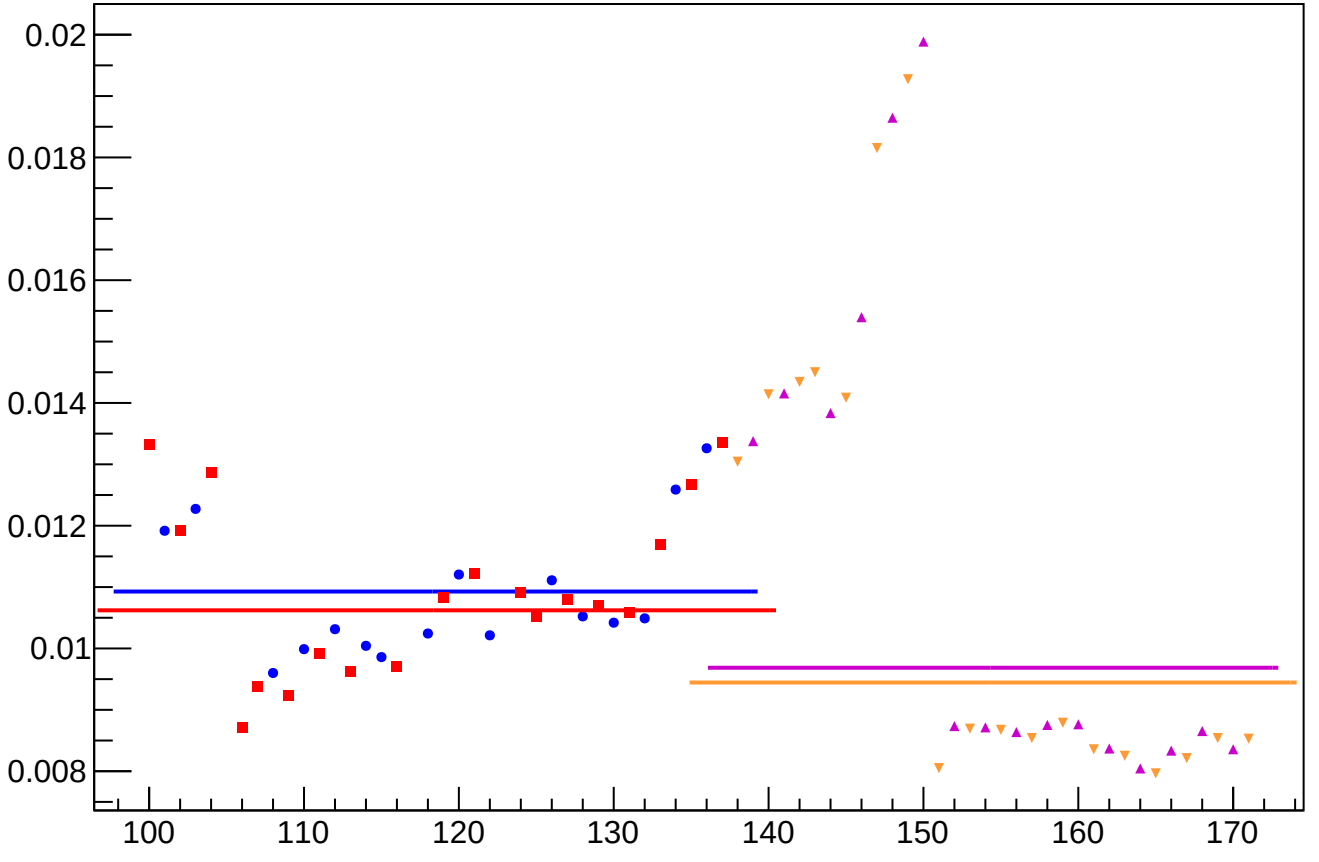
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.647+/-0.000 χ^2/NDF:216587844124.6/31

Out: -1.663+/-0.000 χ^2/NDF:234509711038.5/36

All: -1.656+/-0.000 χ^2/NDF: 451122367908.0

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:1854371.2/15

Left: 0.010+/-0.000 χ^2/NDF: 3726749.5/33

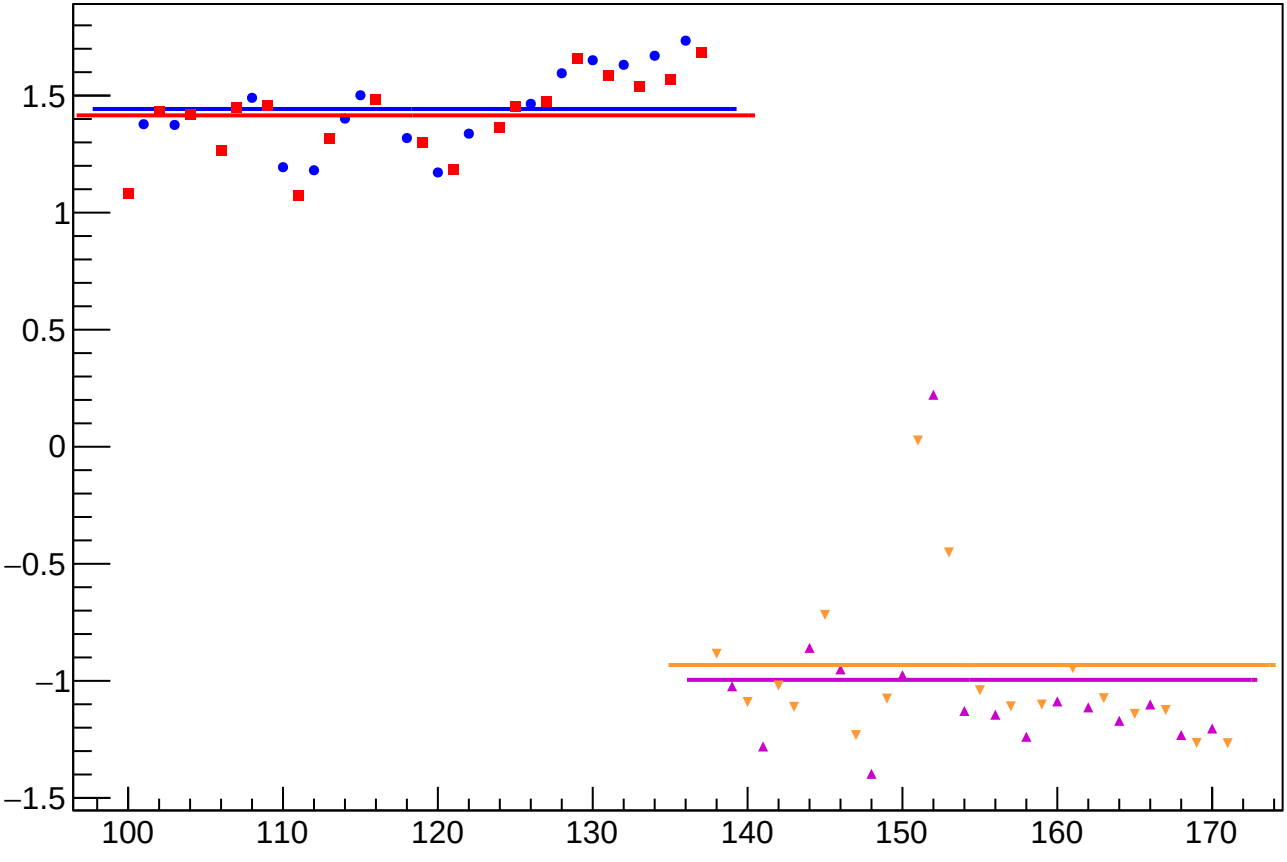
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2116971.3/31

Out: 0.010+/-0.000 χ^2/NDF:2180297.4/36

All: 0.010+/-0.000 χ^2/NDF: 4311955.3/68

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: -0.996+/-0.000 χ^2/NDF:41746277721.3/15

Left: -0.963+/-0.000 χ^2/NDF: 76655065563.3/33

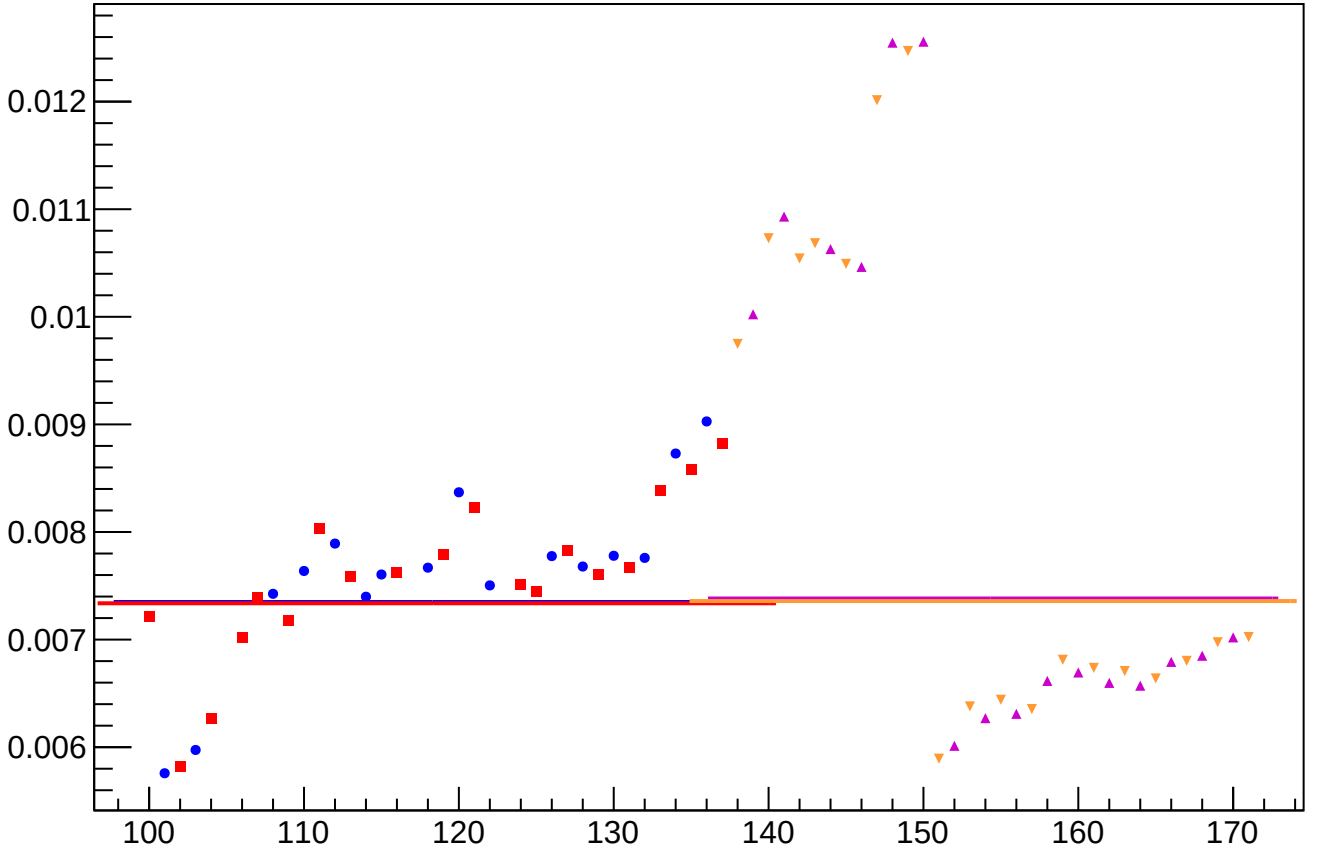
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.105+/-0.000 χ^2/NDF:539231415035.9/31

Out: -0.096+/-0.000 χ^2/NDF:523193604032.8/36

All: -0.101+/-0.000 χ^2/NDF: 1062439490998

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:1508618.5/15

Left: 0.007+/-0.000 χ^2/NDF: 2965920.0/33

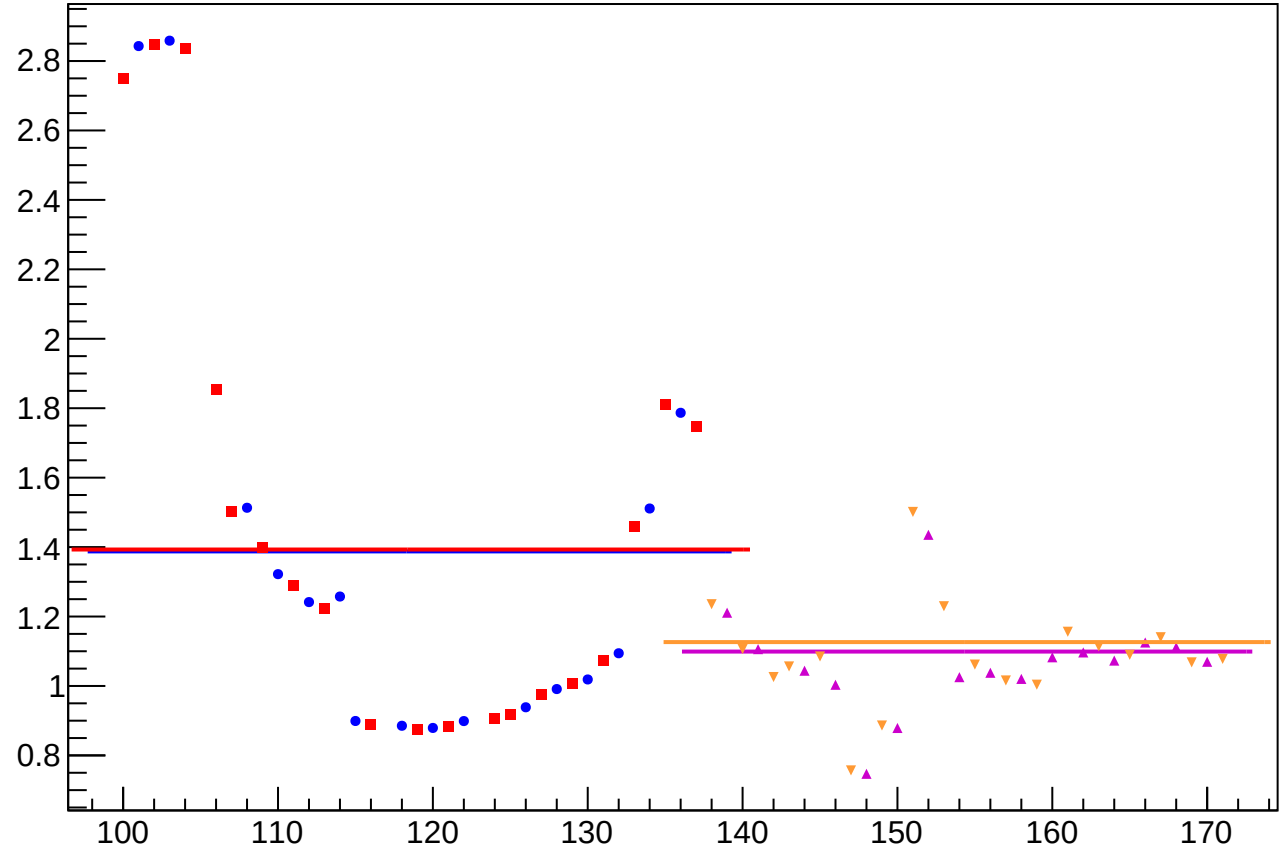
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1779657.7/31

Out: 0.007+/-0.000 χ^2/NDF:1652617.3/36

All: 0.007+/-0.000 χ^2/NDF: 3432410.7/68

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: 1.099+/-0.000 χ^2/NDF:4178633200.2/15

Left: 1.114+/-0.000 χ^2/NDF: 9719106387.7/33

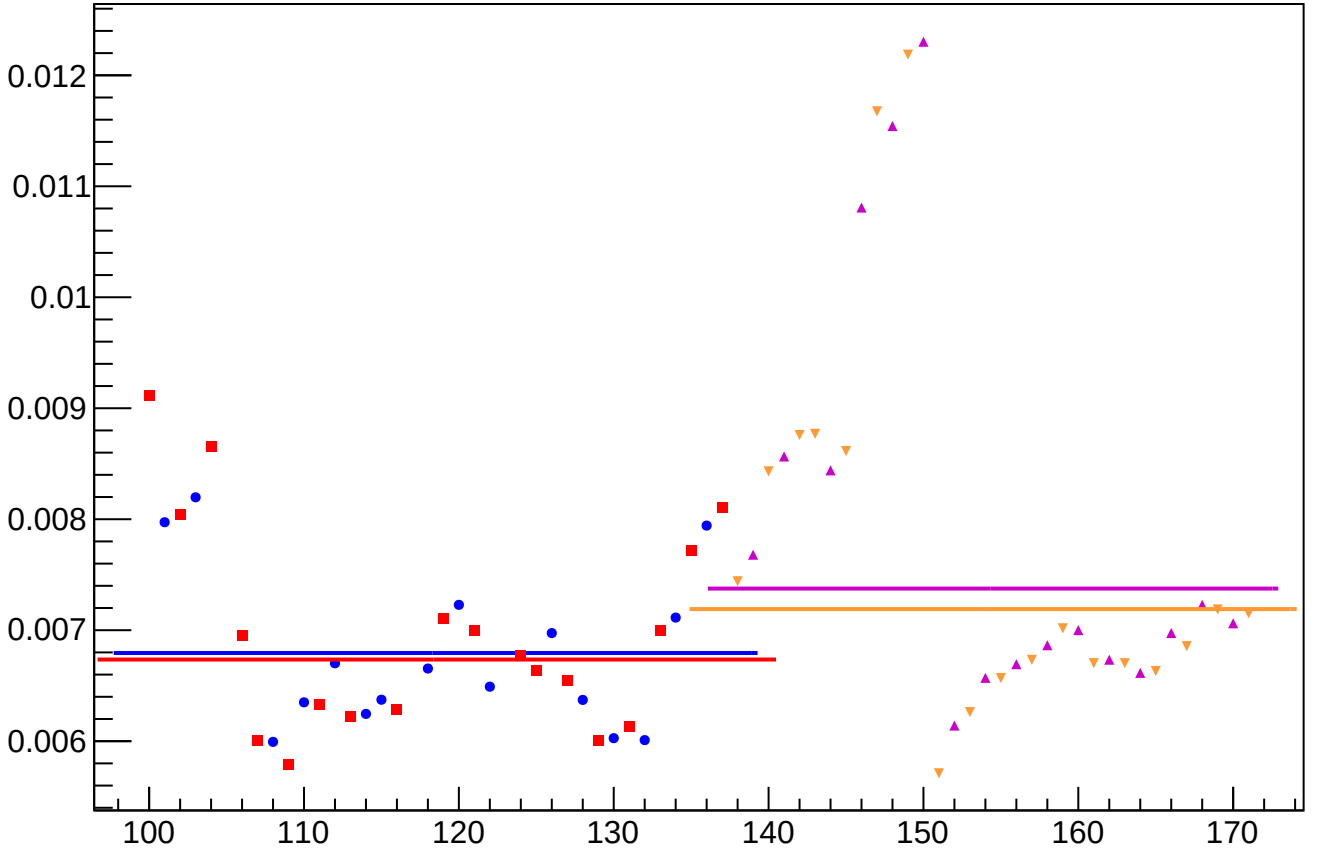
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.215+/-0.000 χ^2/NDF:70450594164.3/31

Out: 1.229+/-0.000 χ^2/NDF:67904465208.0/36

All: 1.222+/-0.000 χ^2/NDF: 138394412534.9

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:825022.8/17

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:859898.8/15

Left: 0.007+/-0.000 χ^2/NDF: 1693235.7/33

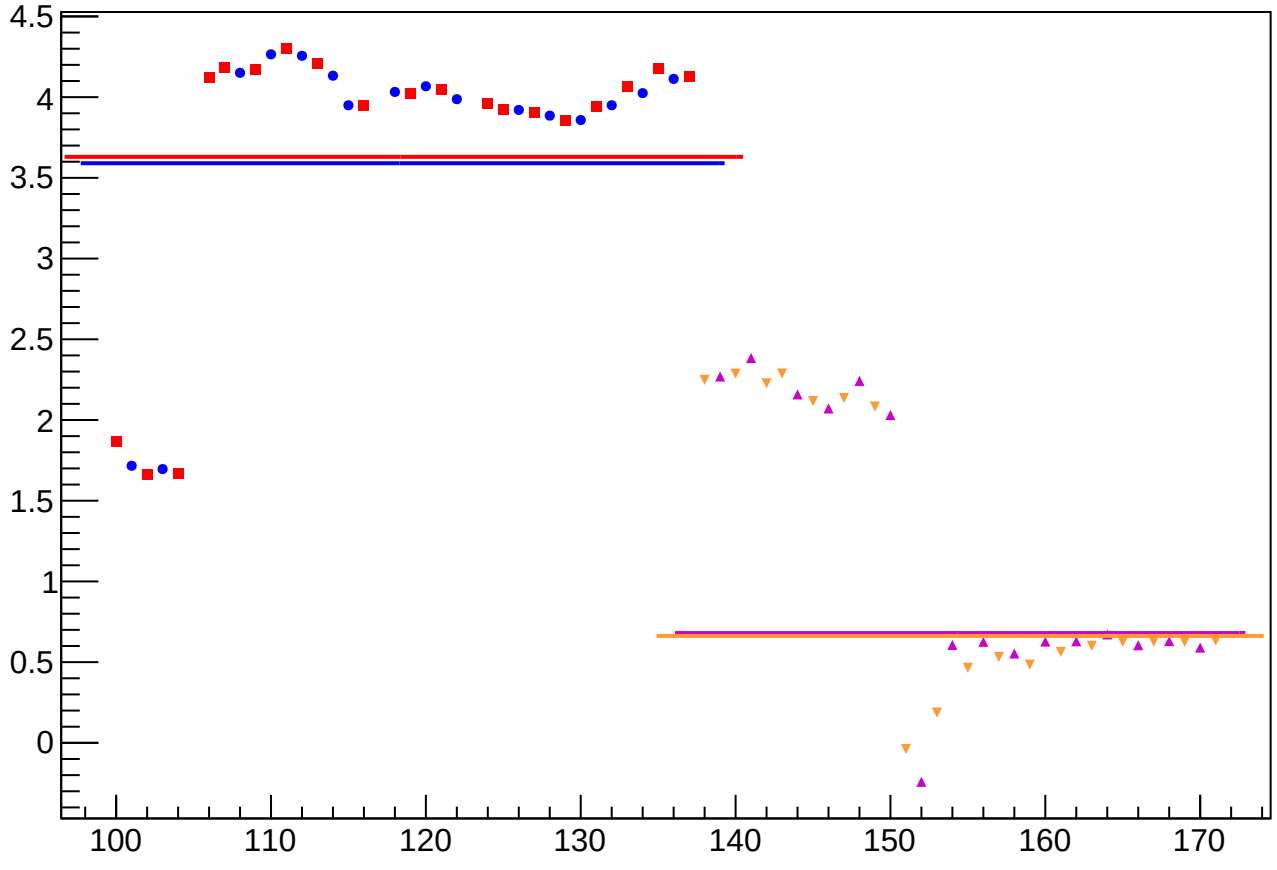
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1086420.0/31

Out: 0.007+/-0.000 χ^2/NDF:1064714.7/36

All: 0.007+/-0.000 χ^2/NDF: 2157553.5/68

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: 0.680+/-0.000 χ^2/NDF:242986359181.0/15

Left: 0.671+/-0.000 χ^2/NDF: 487433322990.3/33

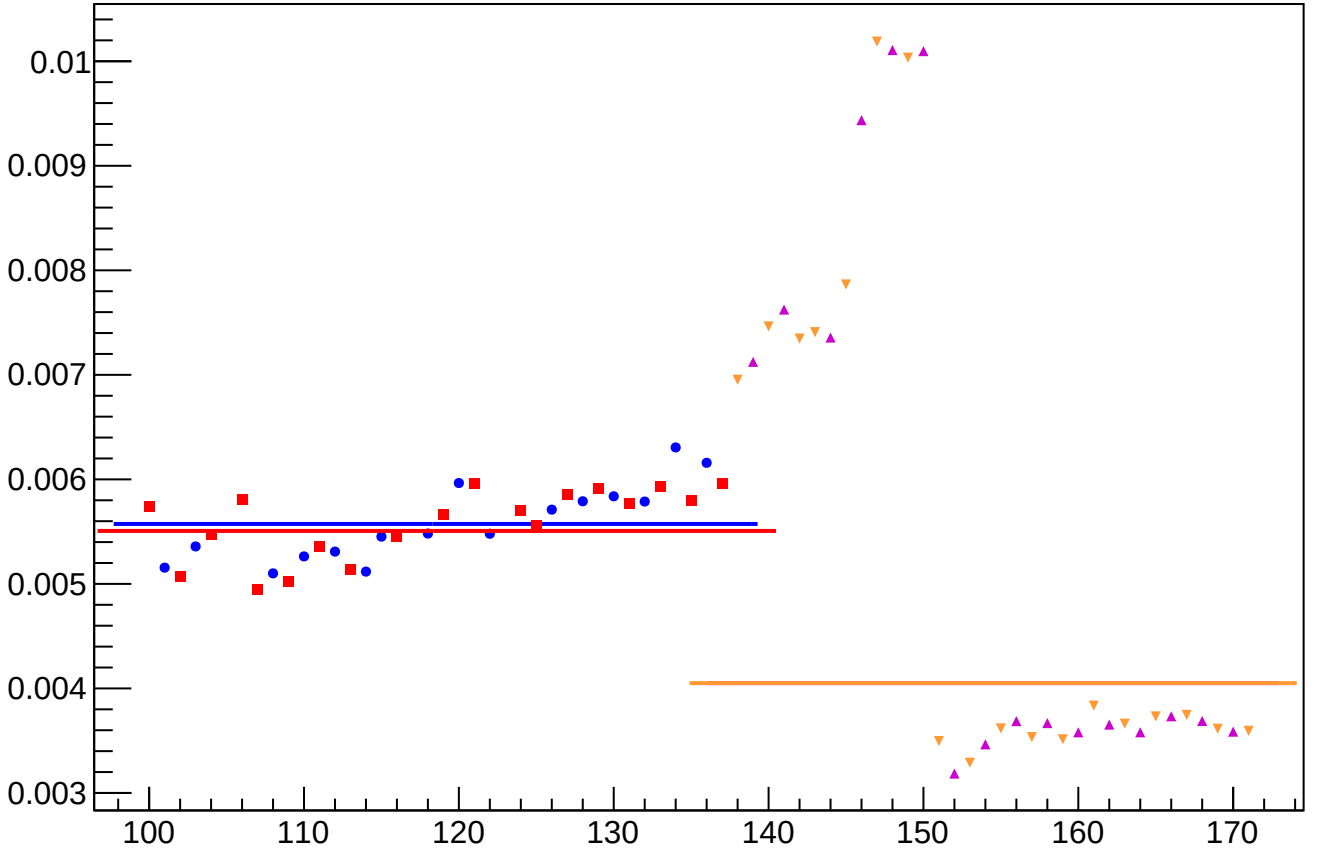
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.414+/-0.000 χ^2/NDF:1906703223818.7/31

Out: 1.389+/-0.000 χ^2/NDF:2058559892256.1/36

All: 1.401+/-0.000 χ^2/NDF: 3965562606523.

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:3013452.0/15

Left: 0.004+/-0.000 χ^2/NDF: 5853574.3/33

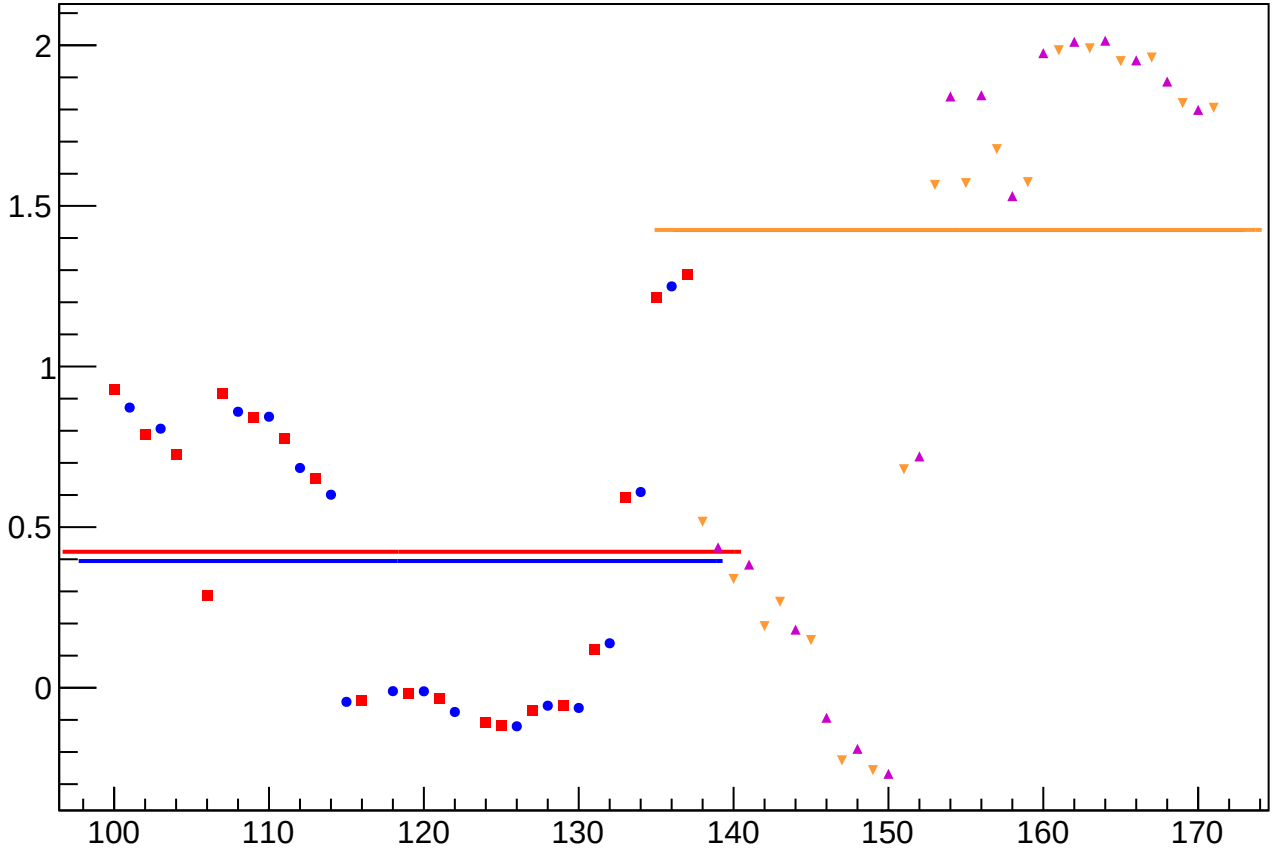
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:3872802.4/31

Out: 0.004+/-0.000 χ^2/NDF:3668233.8/36

All: 0.004+/-0.000 χ^2/NDF: 7541745.3/68

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: 1.425+/-0.000 χ^2/NDF:56316514117.9/15

Left: 1.425+/-0.000 χ^2/NDF: 108447989181.8/33

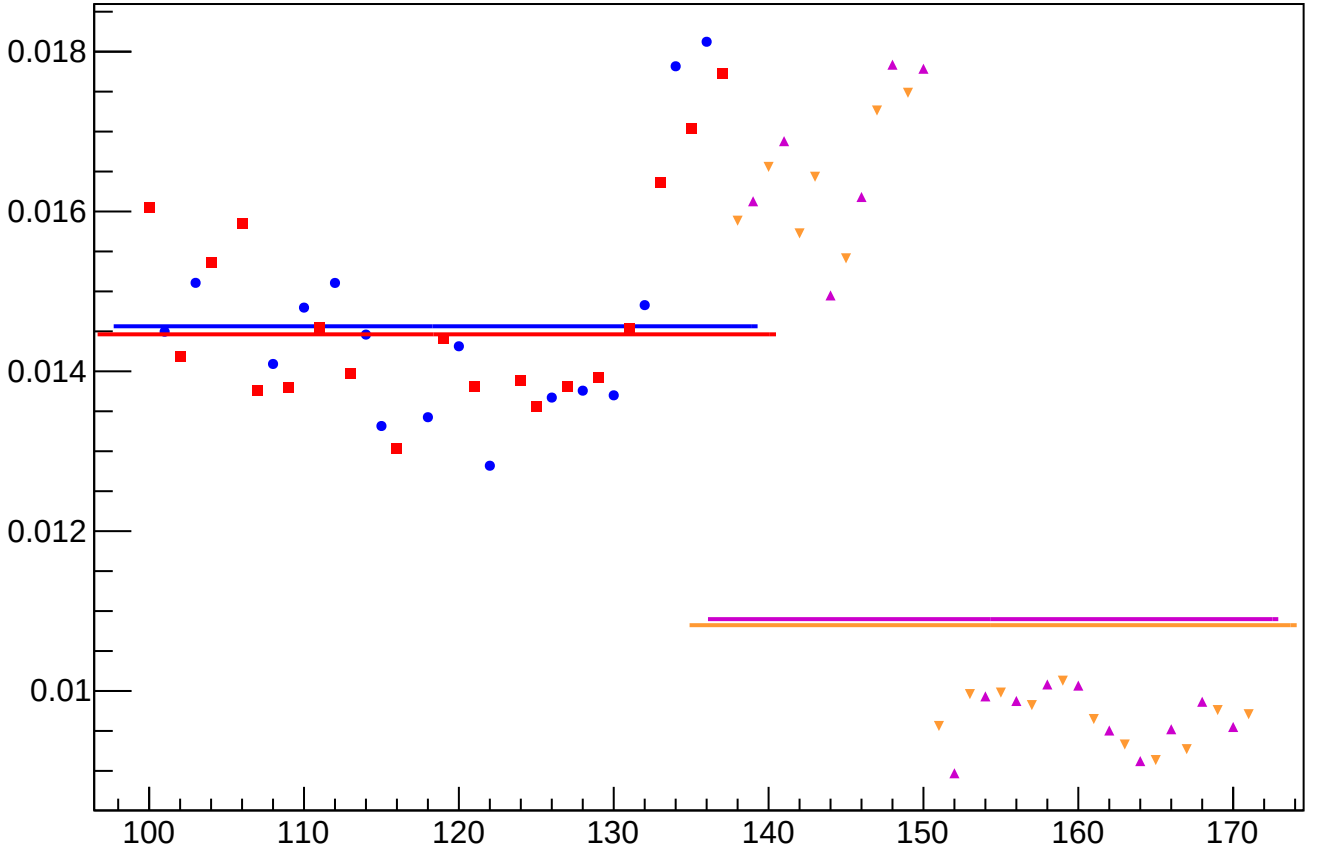
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.173+/-0.000 χ^2/NDF:90572165030.9/31

Out: 1.190+/-0.000 χ^2/NDF:85774738402.5/36

All: 1.182+/-0.000 χ^2/NDF: 176365967026.1

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:1518545.3/15

Left: 0.011+/-0.000 χ^2/NDF: 3022173.5/33

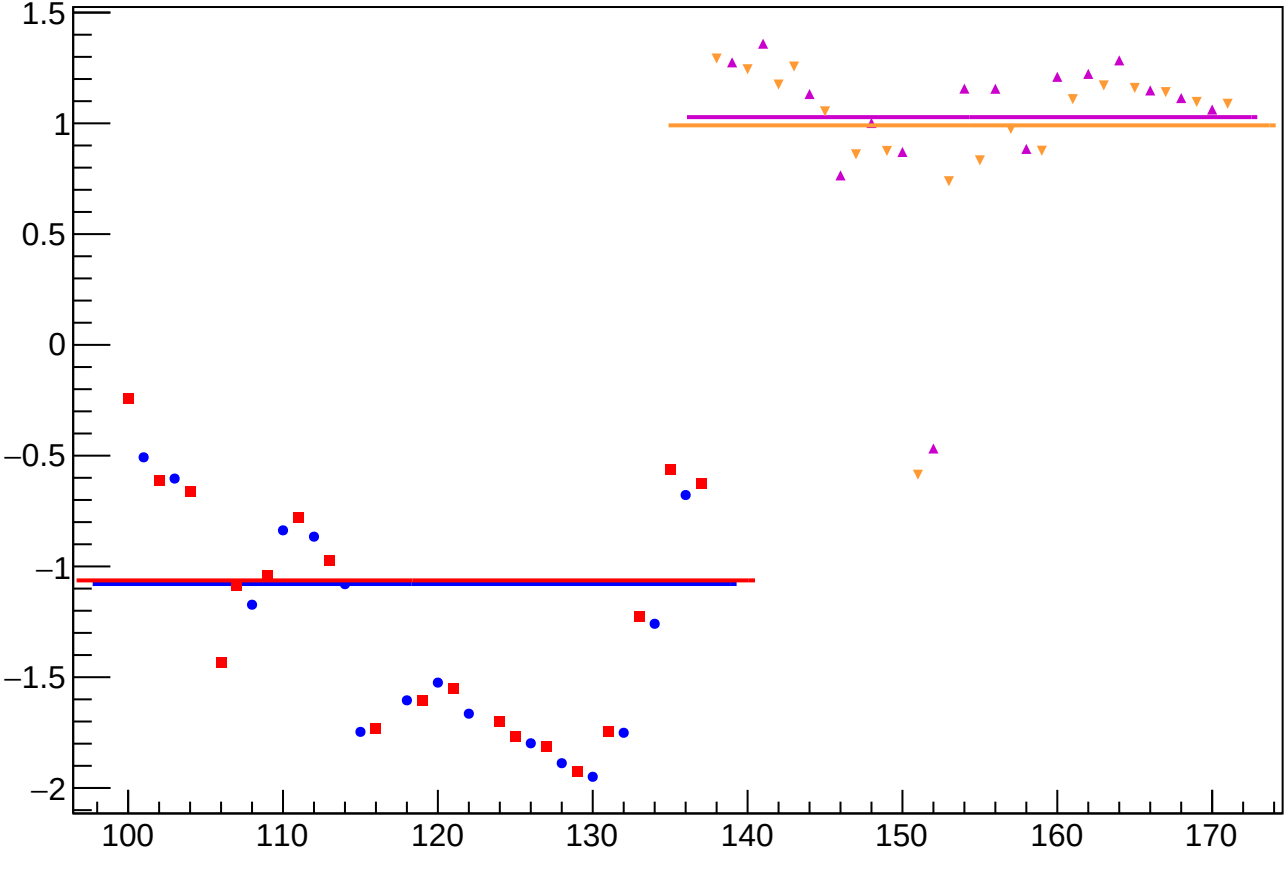
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.012+/-0.000 χ^2/NDF:2330855.1/31

Out: 0.012+/-0.000 χ^2/NDF:2286086.1/36

All: 0.012+/-0.000 χ^2/NDF: 4618814.5/68

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: 1.028+/-0.000 χ^2/NDF:124818205464.5/15

Left: 1.009+/-0.000 χ^2/NDF: 234995574707.7/33

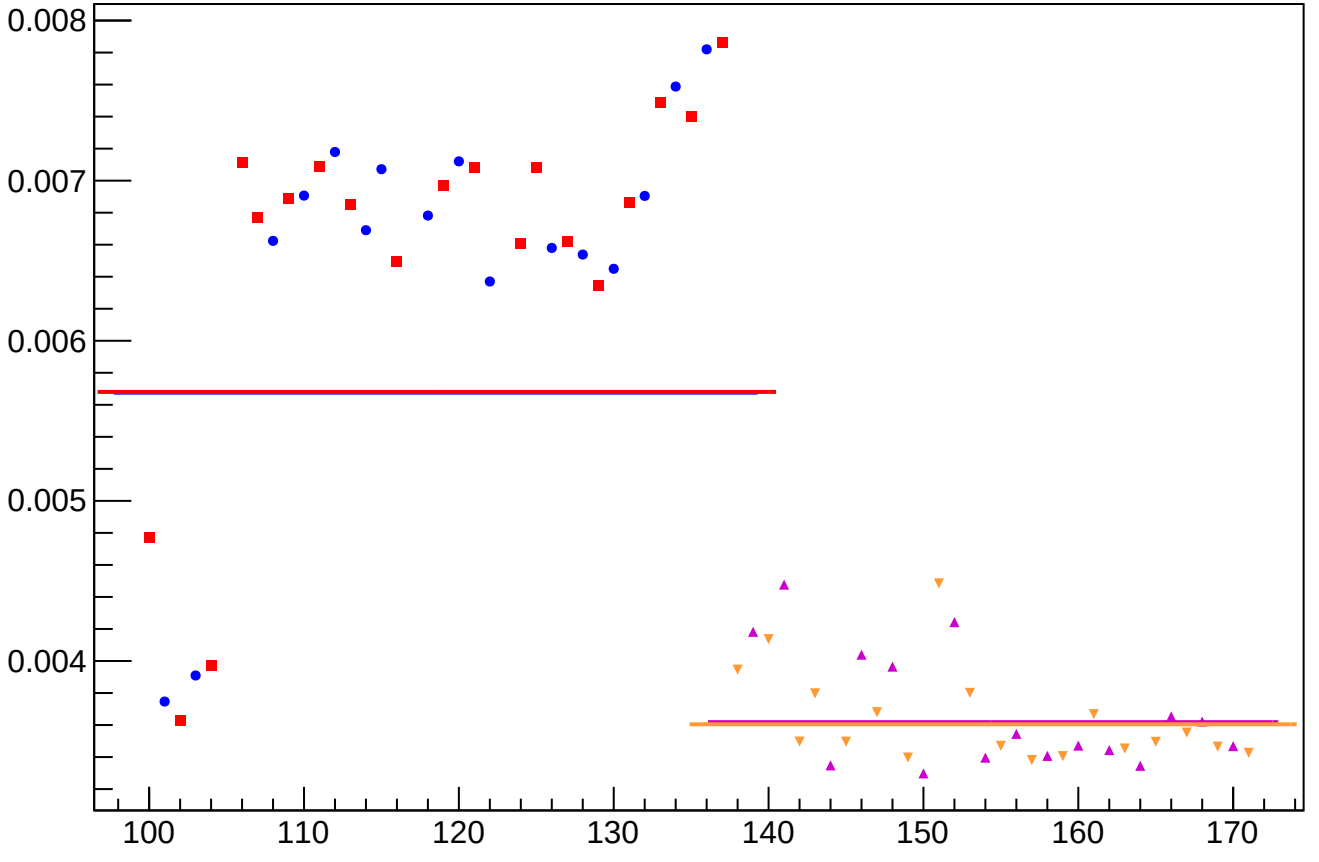
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.650+/-0.000 χ^2/NDF:904719568852.5/31

Out: 0.646+/-0.000 χ^2/NDF:861102856107.5/36

All: 0.648+/-0.000 χ^2/NDF: 1765828465437.

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:206041.3/15

Left: 0.004+/-0.000 χ^2/NDF: 337327.4/33

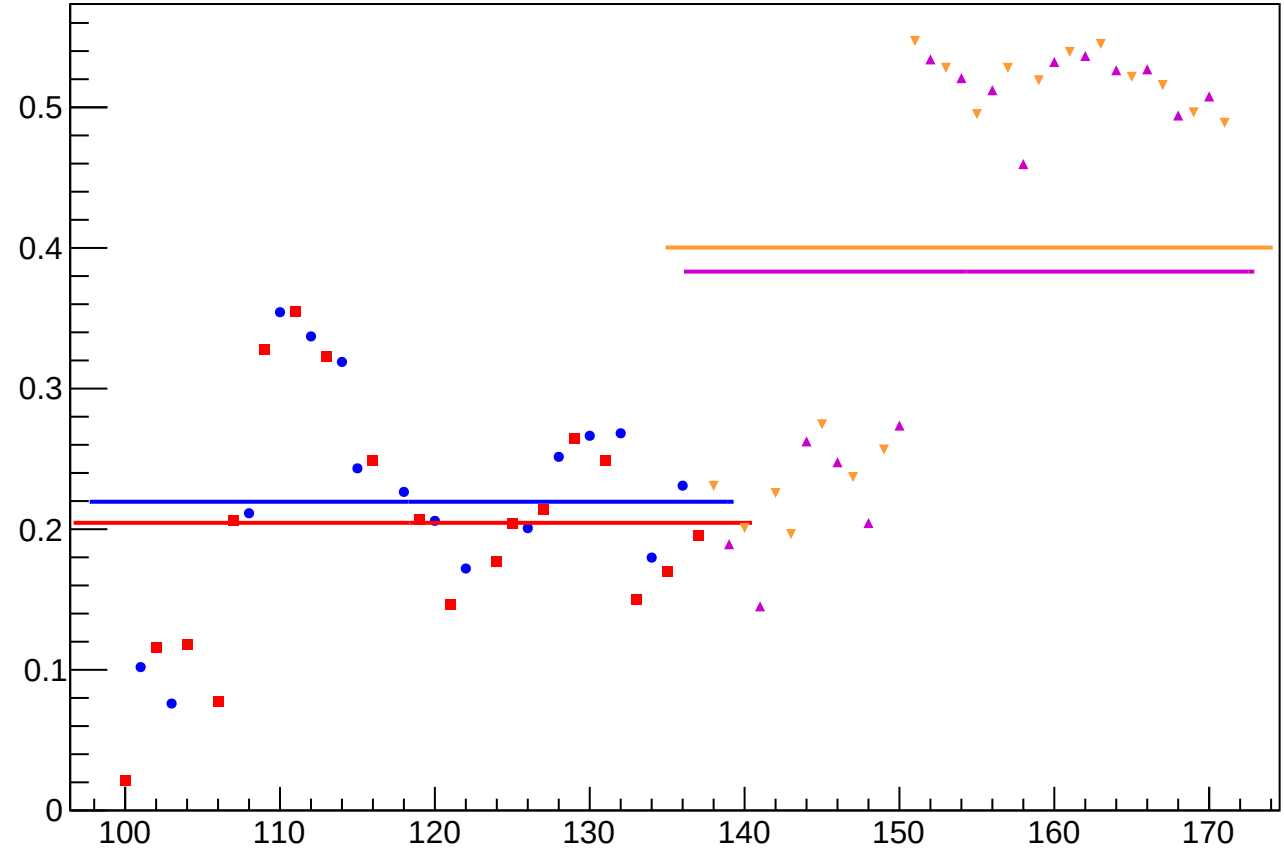
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2524272.2/31

Out: 0.004+/-0.000 χ^2/NDF:2545331.1/36

All: 0.004+/-0.000 χ^2/NDF: 5070994.3/68

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: 0.383+/-0.000 χ^2/NDF:126036049995.7/15

Left: 0.392+/-0.000 χ^2/NDF: 260191935817.0/33

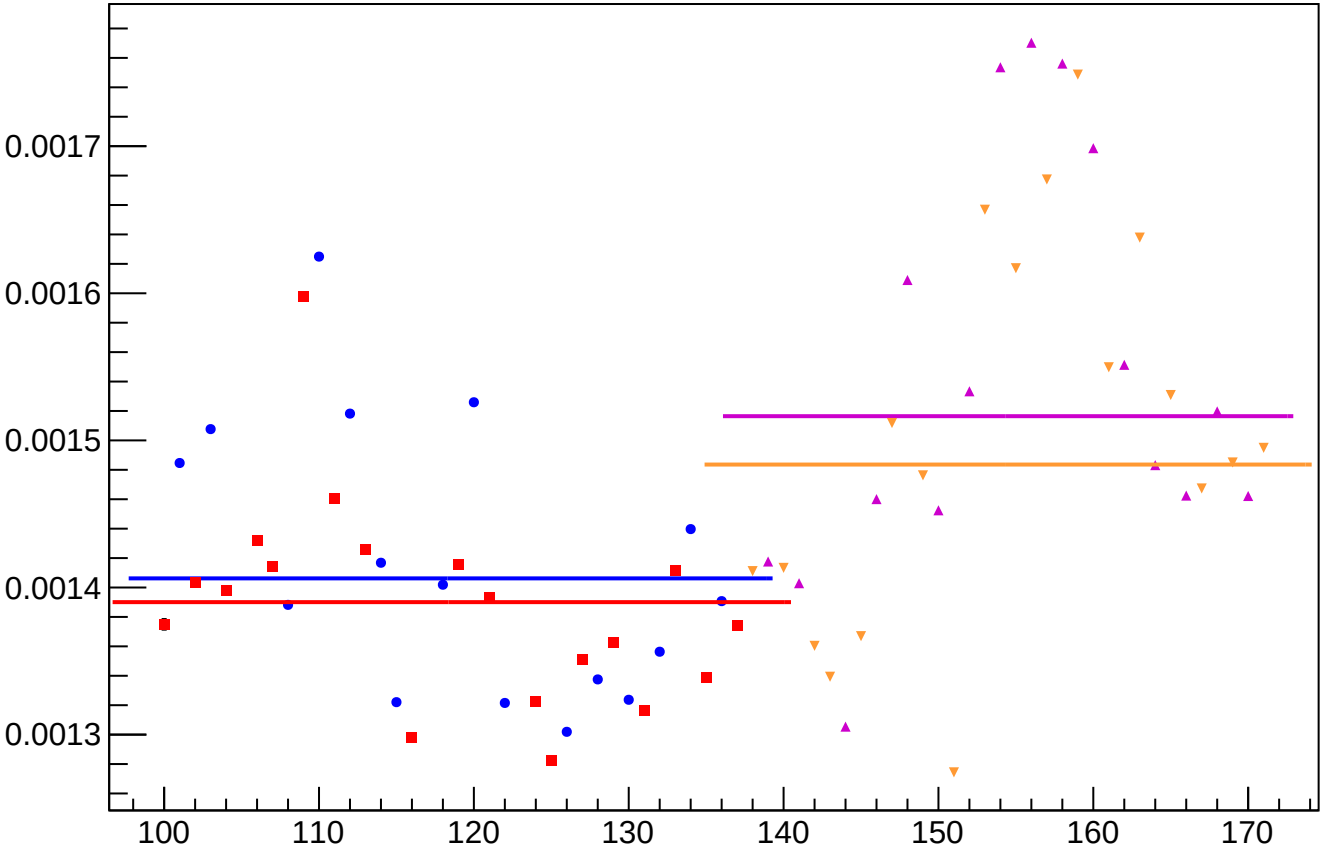
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.320+/-0.000 χ^2/NDF:200554101845.0/31

Out: 0.327+/-0.000 χ^2/NDF:246673598044.1/36

All: 0.324+/-0.000 χ^2/NDF: 447462887154.9

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:200903.9/17

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:198757.8/15

Left: 0.001+/-0.000 χ^2/NDF: 406100.4/33

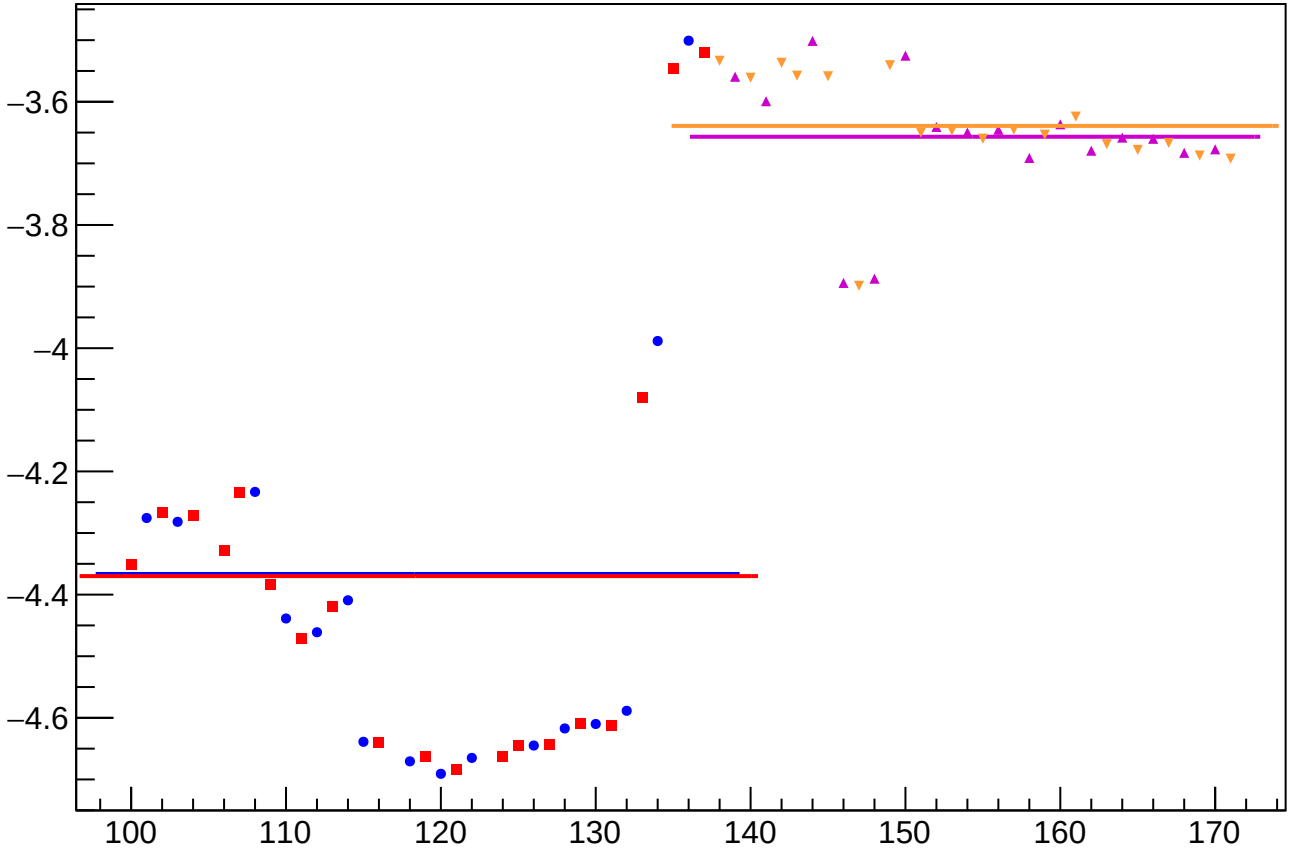
Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

In: 0.001+/-0.000 χ^2/NDF:299414.6/31

Out: 0.001+/-0.000 χ^2/NDF:277264.9/36

All: 0.001+/-0.000 χ^2/NDF: 582857.7/68

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: -3.657+/-0.000 χ^2/NDF:33691985444.5/15

Left: -3.647+/-0.000 χ^2/NDF: 58445904405.0/33

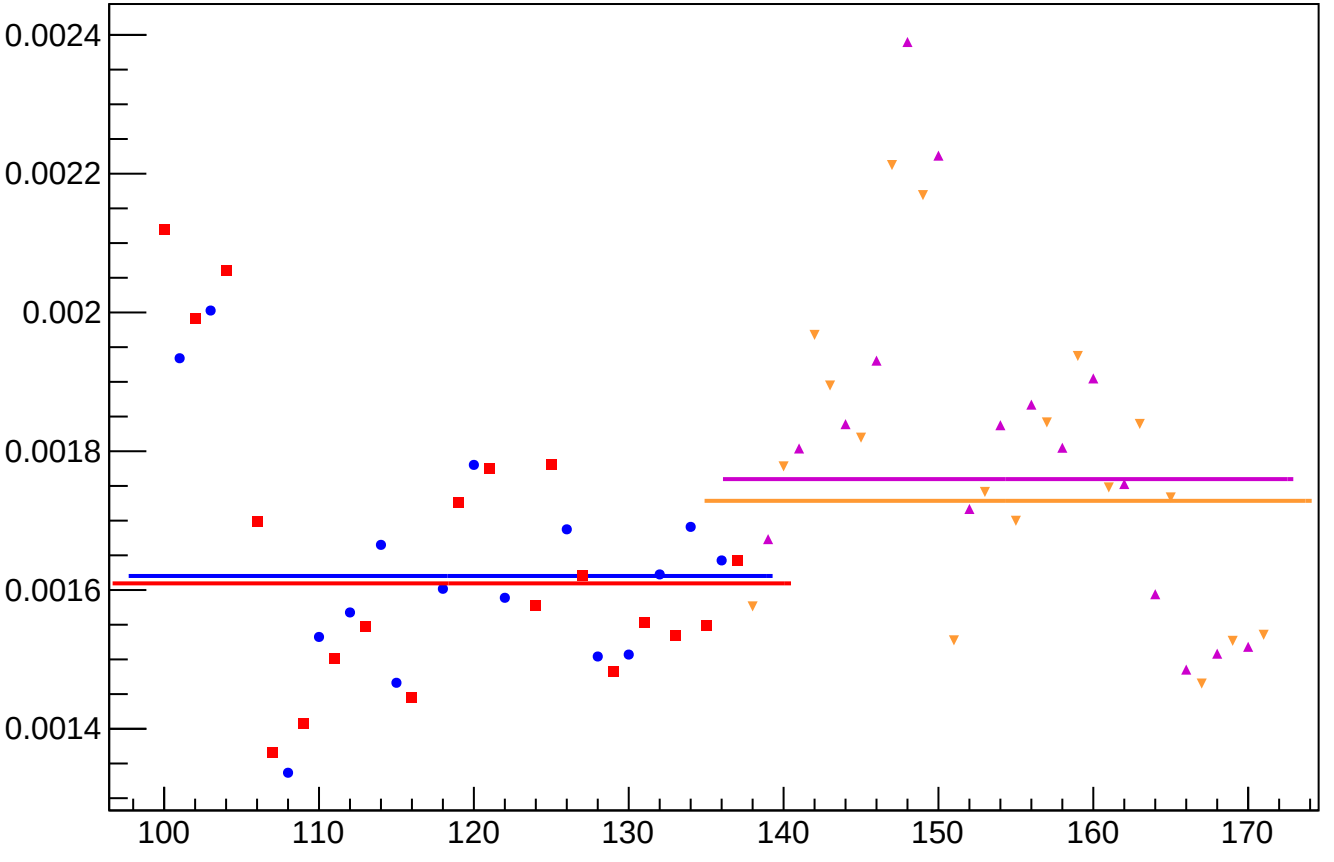
Right: -4.368+/-0.000 χ^2/NDF: 649165512283.3/34

In: -3.934+/-0.000 χ^2/NDF:1189610249705.4/31

Out: -3.914+/-0.000 χ^2/NDF:1235163337368.5/36

All: -3.924+/-0.000 χ^2/NDF: 2426196985768

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:369543.5/15

Left: 0.002+/-0.000 χ^2/NDF: 724996.6/33

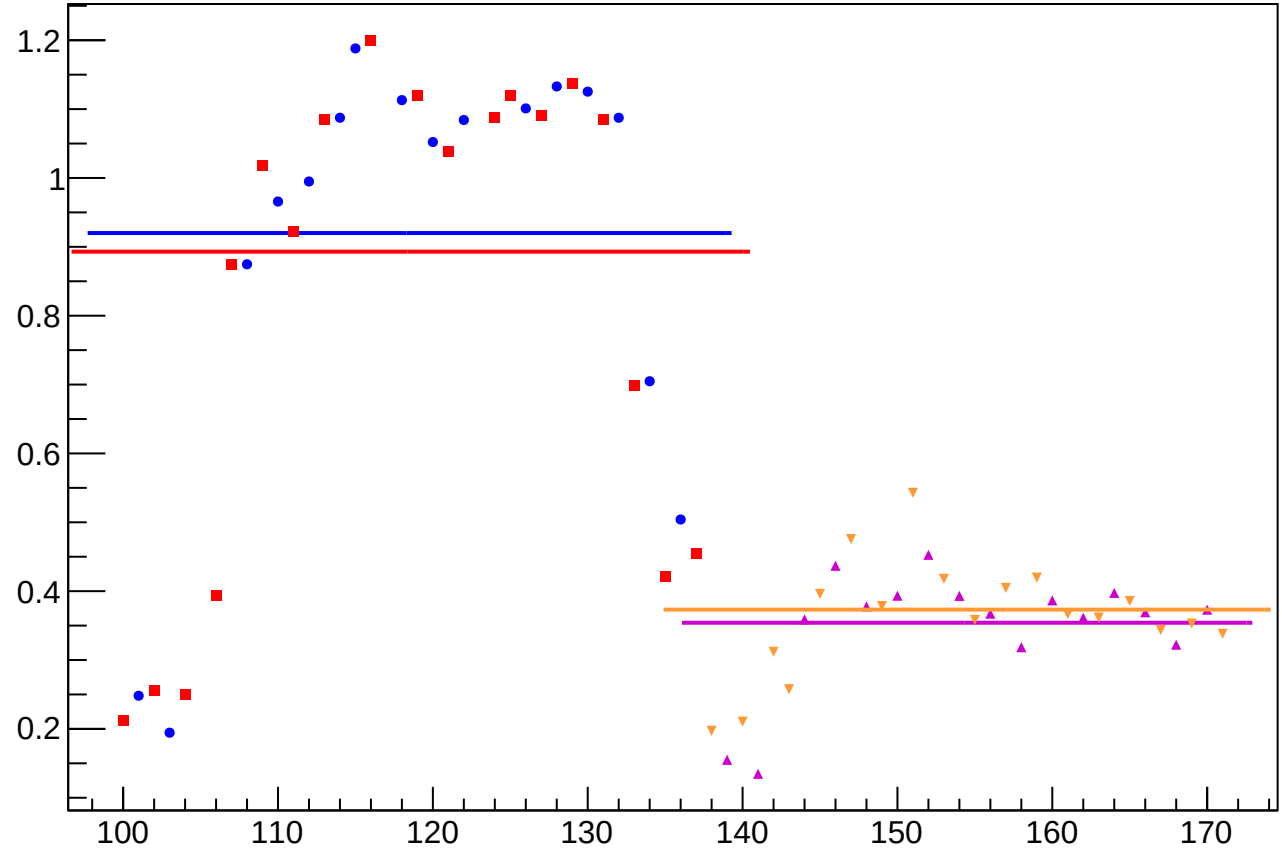
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:571882.0/31

Out: 0.002+/-0.000 χ^2/NDF:584694.4/36

All: 0.002+/-0.000 χ^2/NDF: 1159794.6/68

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: 0.354+/-0.000 χ^2/NDF:1446467483.8/15

Left: 0.364+/-0.000 χ^2/NDF: 3226738855.2/33

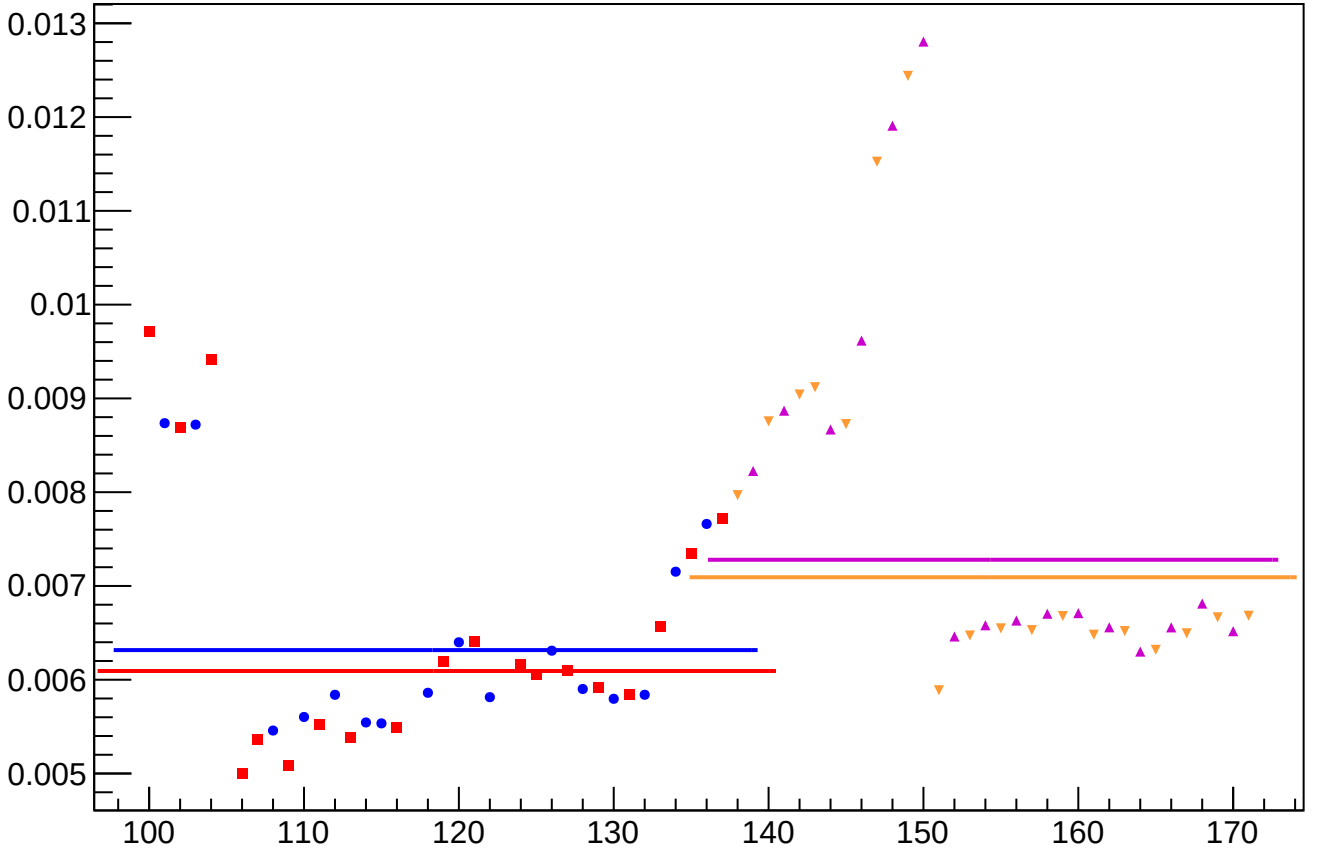
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.594+/-0.000 χ^2/NDF:48412221003.6/31

Out: 0.591+/-0.000 χ^2/NDF:50058384697.2/36

All: 0.593+/-0.000 χ^2/NDF: 98473062303.0/6

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:993415.6/15

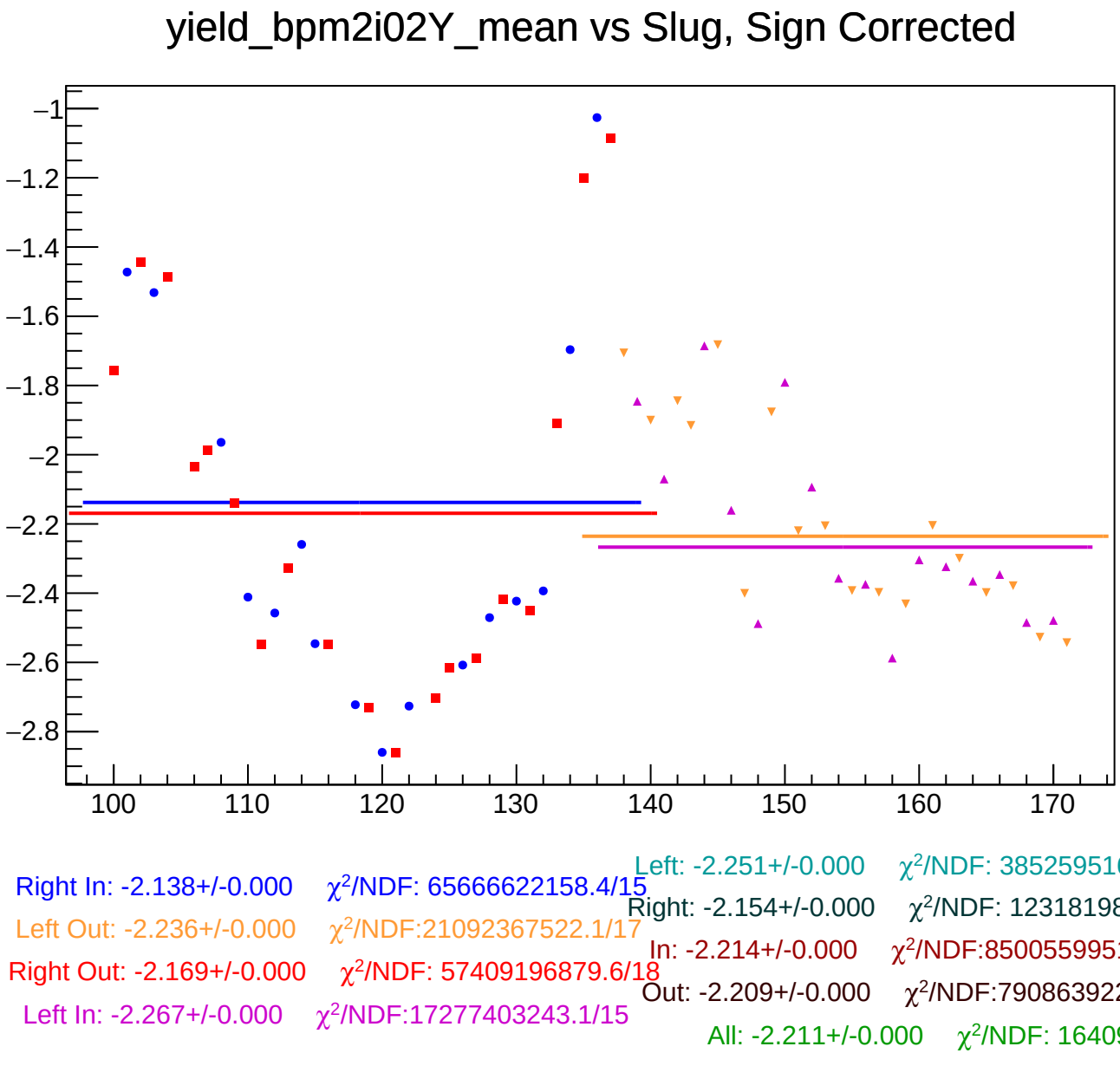
Left: 0.007+/-0.000 χ^2/NDF: 1995155.4/33

Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

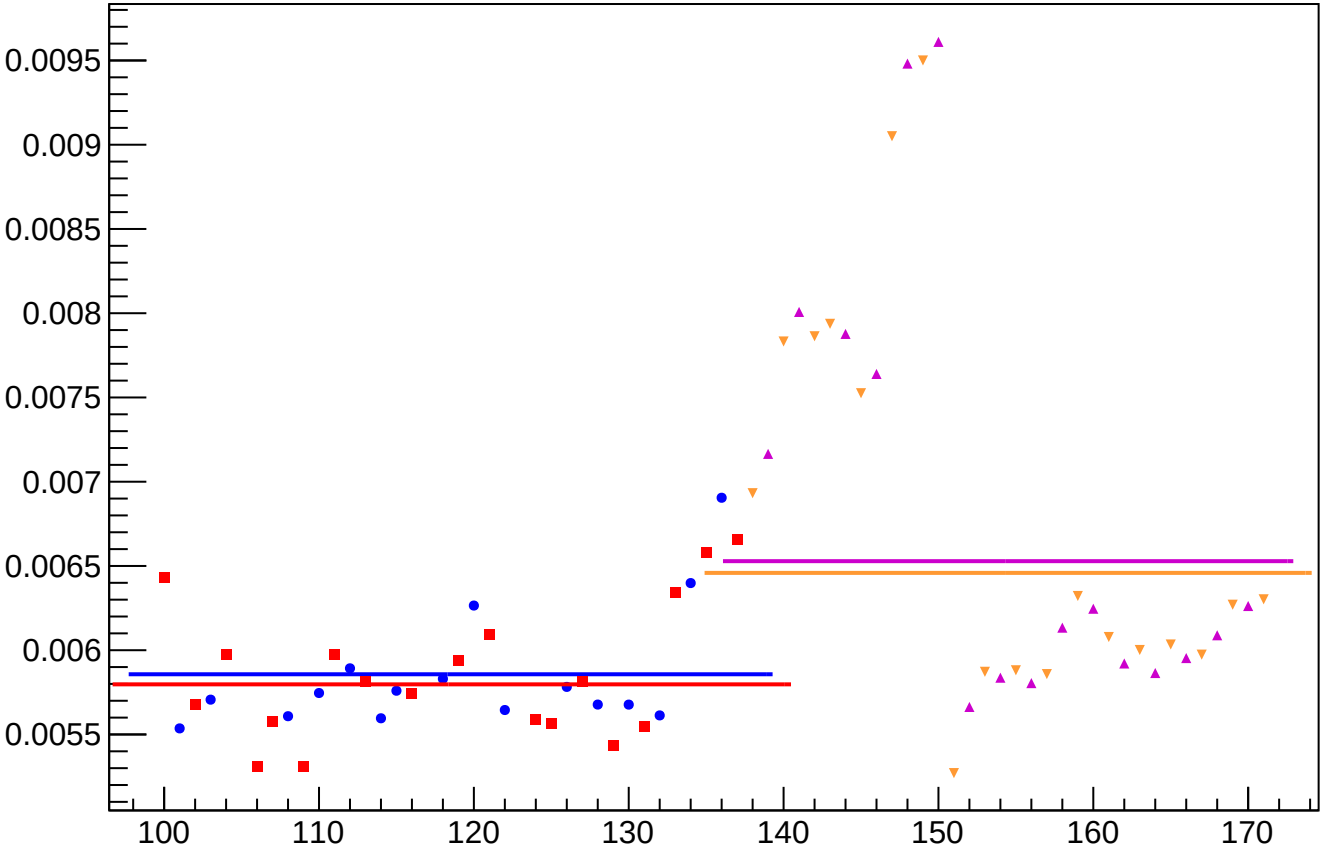
In: 0.007+/-0.000 χ^2/NDF:1516911.1/31

Out: 0.007+/-0.000 χ^2/NDF:1655808.6/36

All: 0.007+/-0.000 χ^2/NDF: 3189652.0/68


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: -2.267+/-0.000 χ²/NDF:17277403243.1/15
Left: -2.251+/-0.000 χ²/NDF: 38525951667.8/33
Right: -2.154+/-0.000 χ²/NDF: 123181980201.2/34
In: -2.214+/-0.000 χ²/NDF:85005599519.1/31
Out: -2.209+/-0.000 χ²/NDF:79086392294.9/36
All: -2.211+/-0.000 χ²/NDF: 164098685013.3

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: 0.007+/-0.000 χ^2/NDF:665600.6/15

Left: 0.006+/-0.000 χ^2/NDF: 1319767.7/33

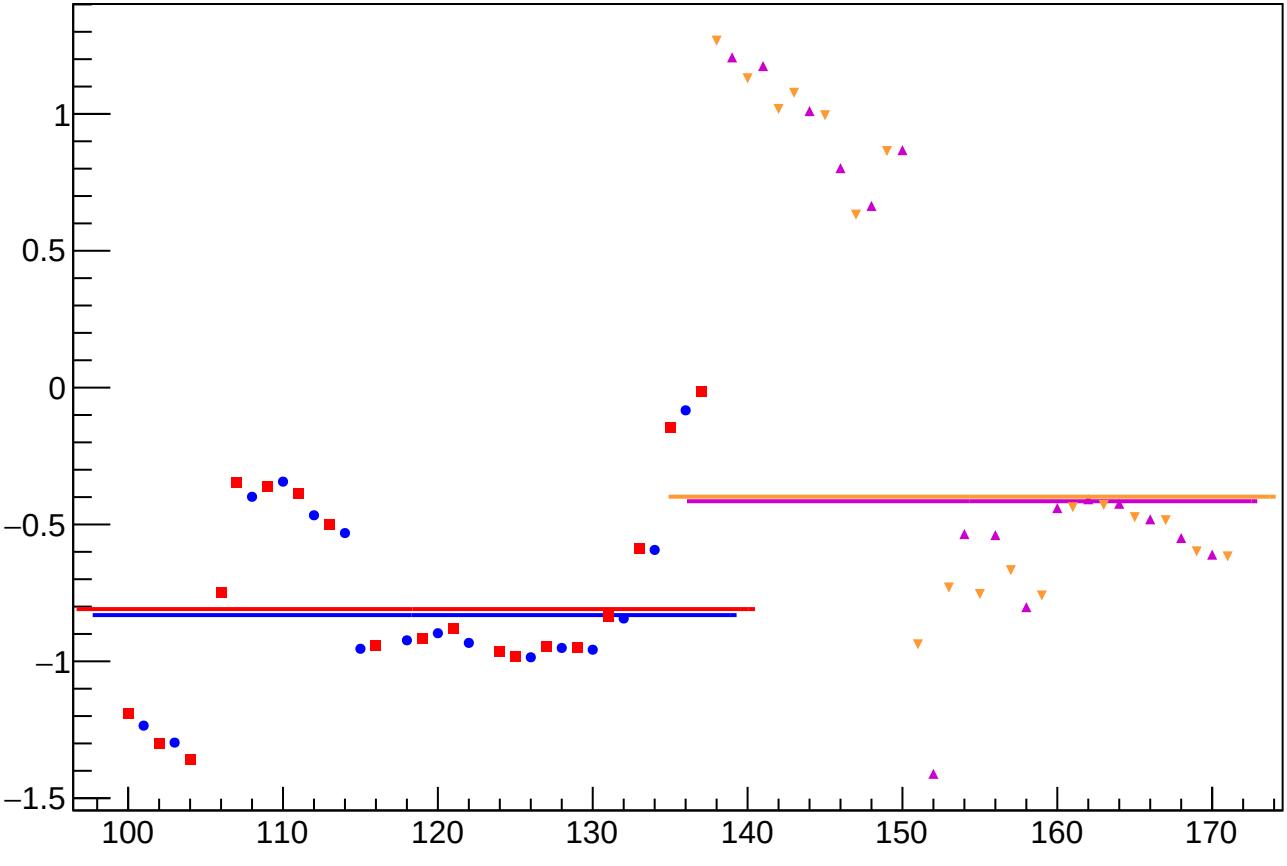
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:838927.7/31

Out: 0.006+/-0.000 χ^2/NDF:825398.7/36

All: 0.006+/-0.000 χ^2/NDF: 1666184.8/68

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: -0.415+/-0.000 χ^2/NDF:88577374634.4/15

Left: -0.406+/-0.000 χ^2/NDF: 168247331525.2/33

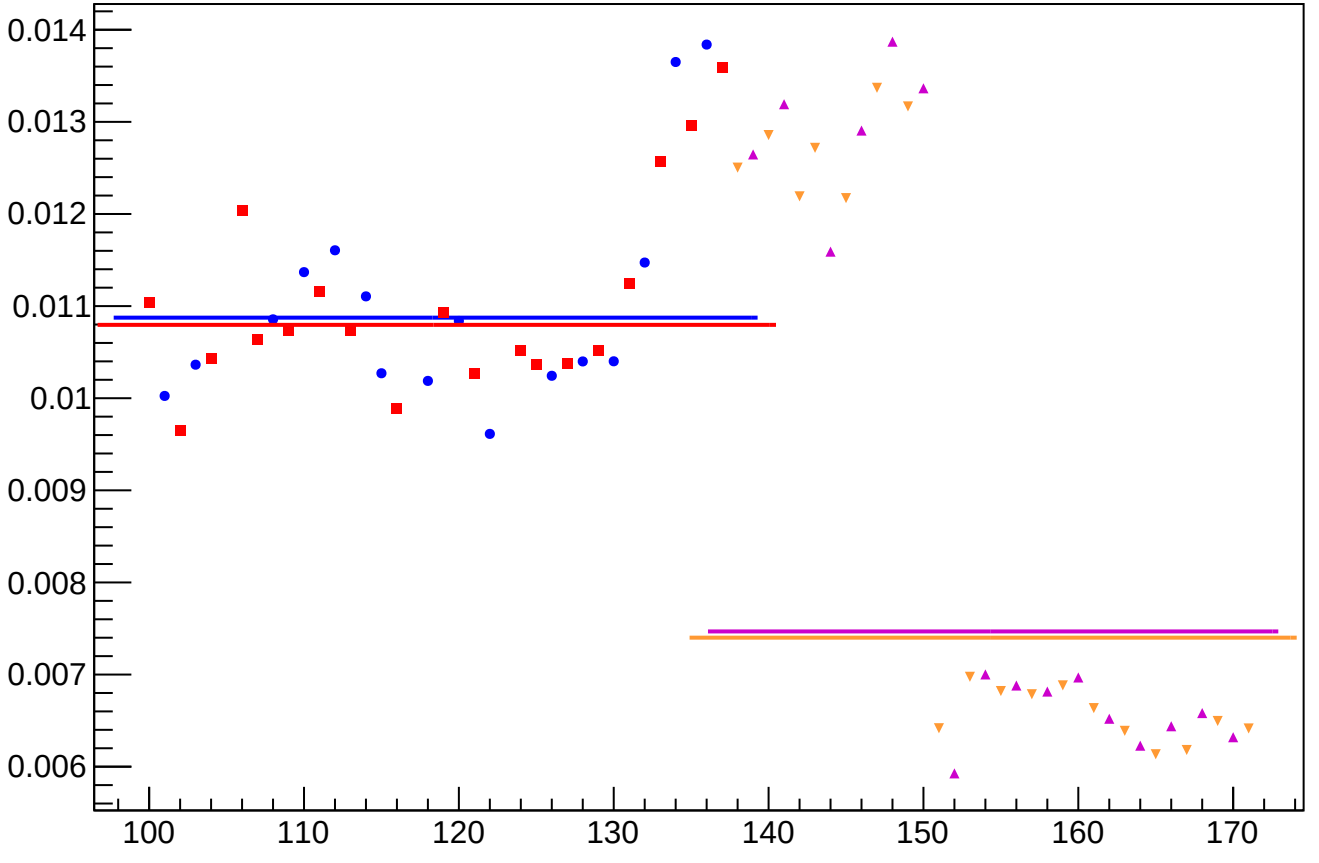
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.506+/-0.000 χ^2/NDF:103736777281.2/31

Out: -0.484+/-0.000 χ^2/NDF:96052477878.9/36

All: -0.495+/-0.000 χ^2/NDF: 199855270622.3

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:2176000.4/15

Left: 0.007+/-0.000 χ^2/NDF: 4341649.2/33

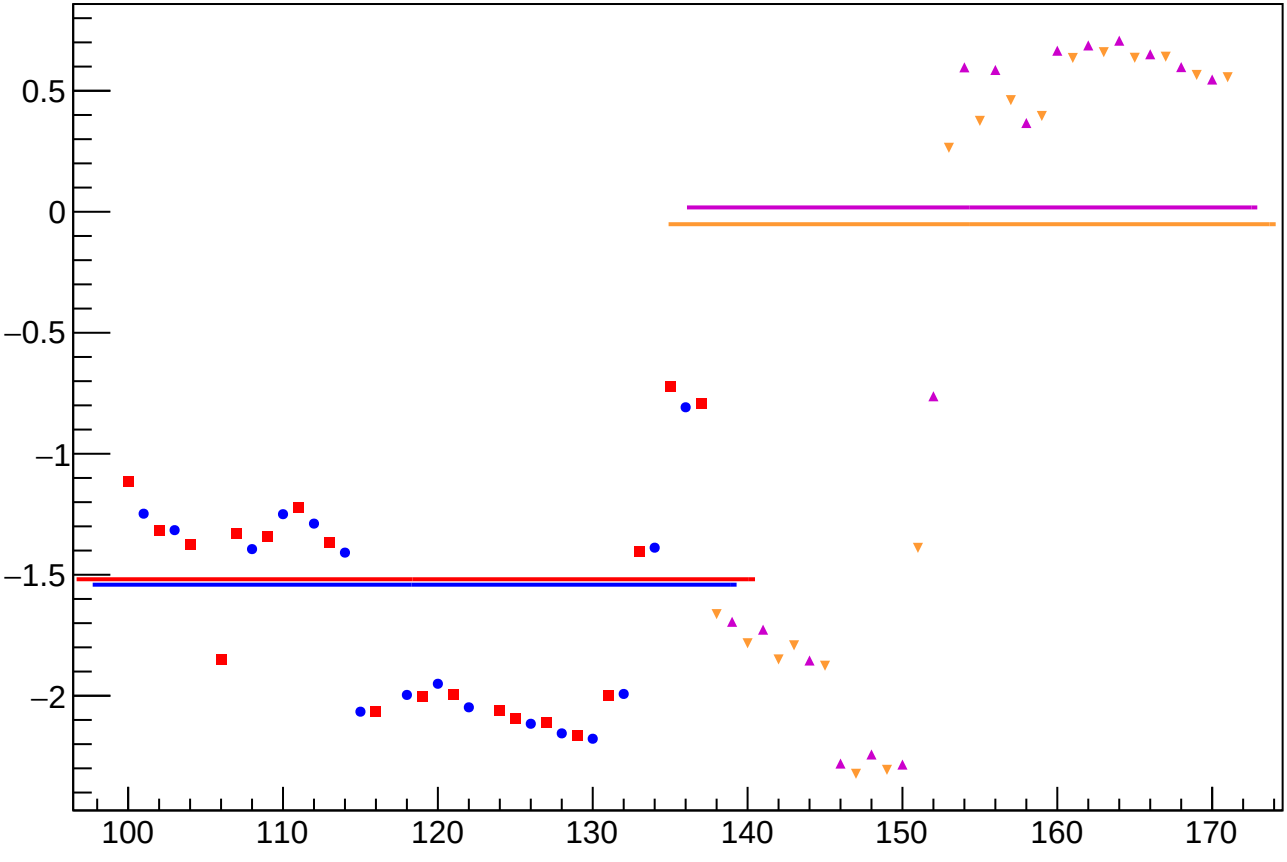
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3412711.5/31

Out: 0.008+/-0.000 χ^2/NDF:3394507.7/36

All: 0.008+/-0.000 χ^2/NDF: 6810126.7/68

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: 0.018+/-0.000 χ^2/NDF:1912928757495.8/15

Left: -0.019+/-0.000 χ^2/NDF: 4050467435046.0/33

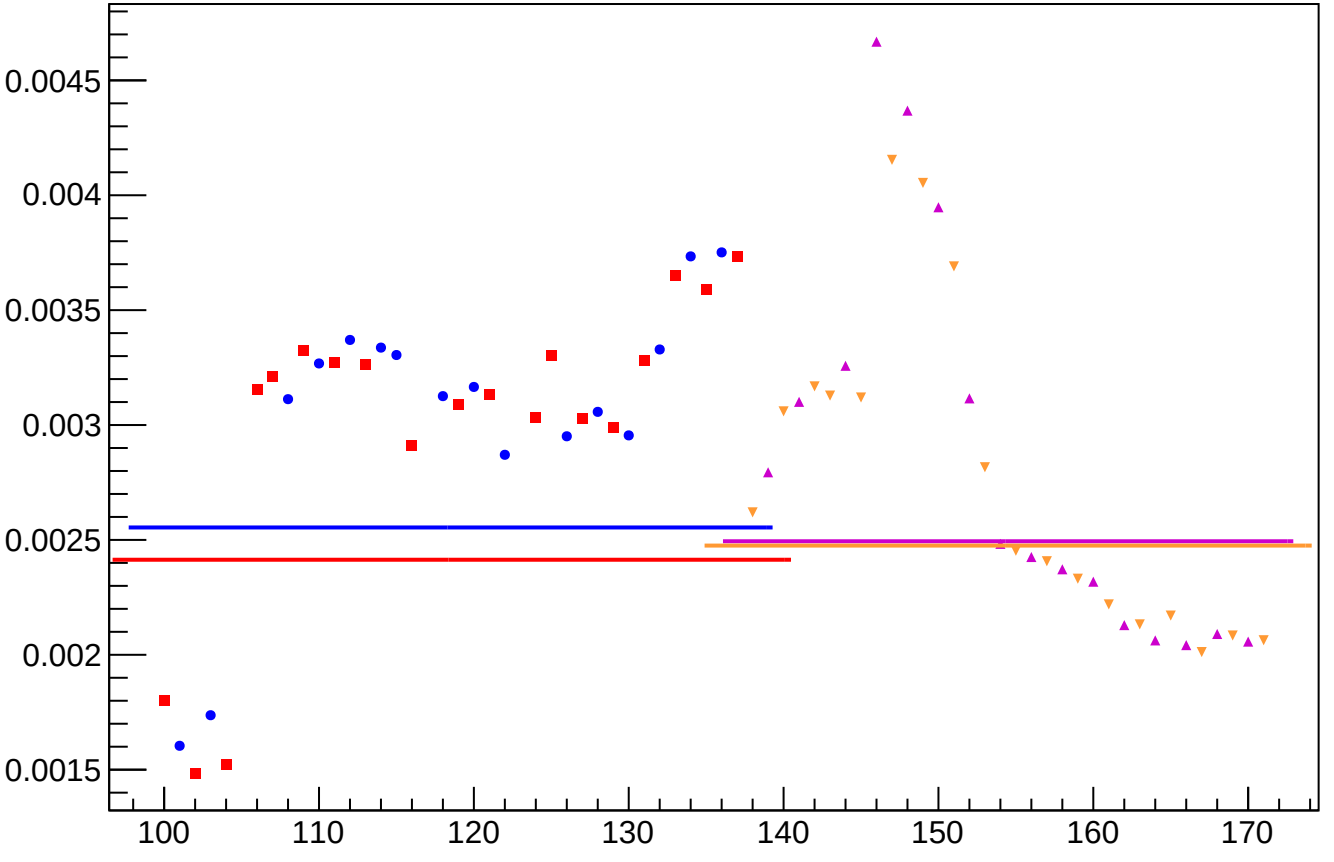
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.512+/-0.000 χ^2/NDF:3564960512524.5/31

Out: -0.545+/-0.000 χ^2/NDF:3731002177517.3/36

All: -0.529+/-0.000 χ^2/NDF: 7297505687616

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:1207529.5/15

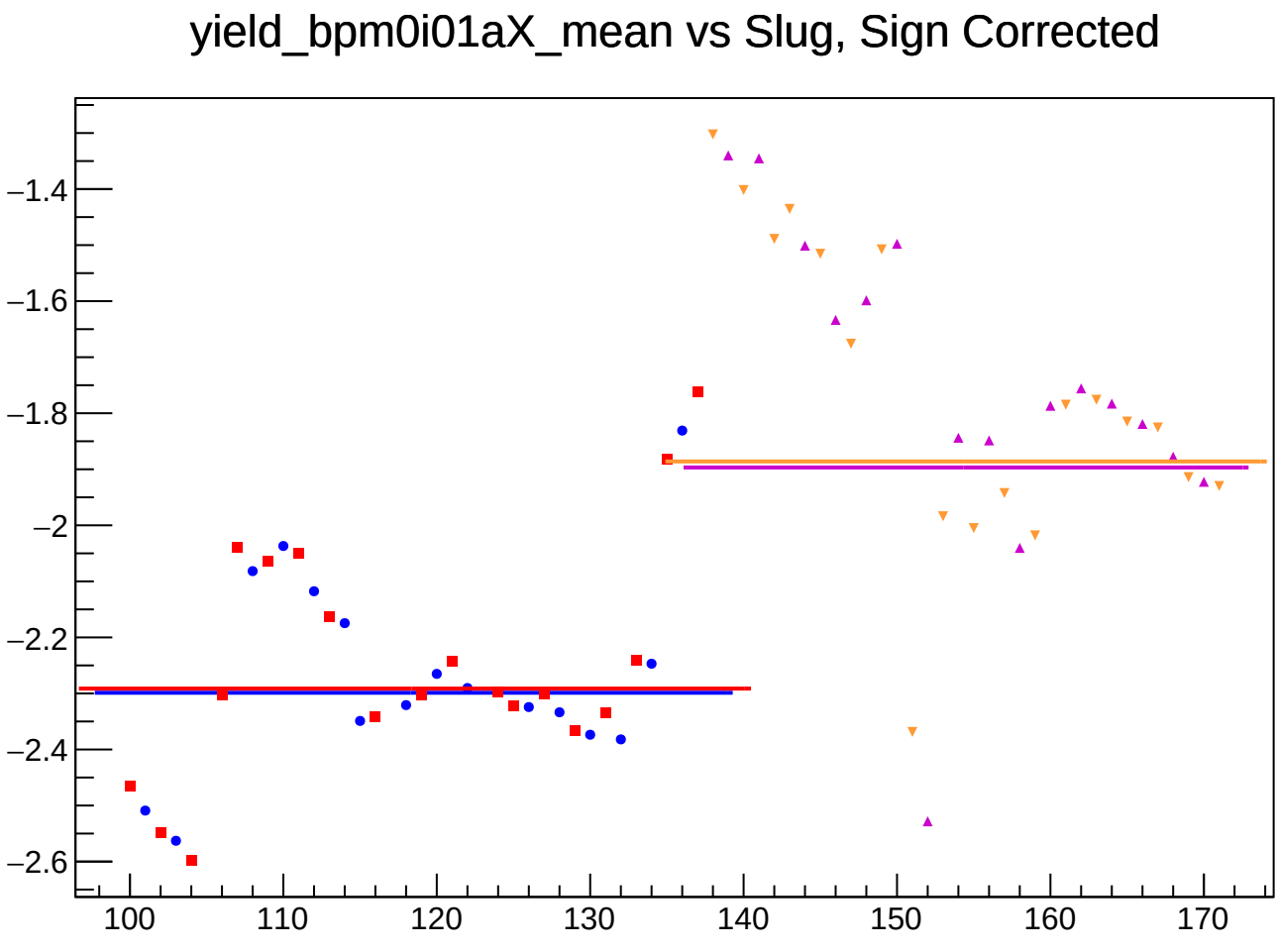
Left: 0.002+/-0.000 χ^2/NDF: 2283239.4/33

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

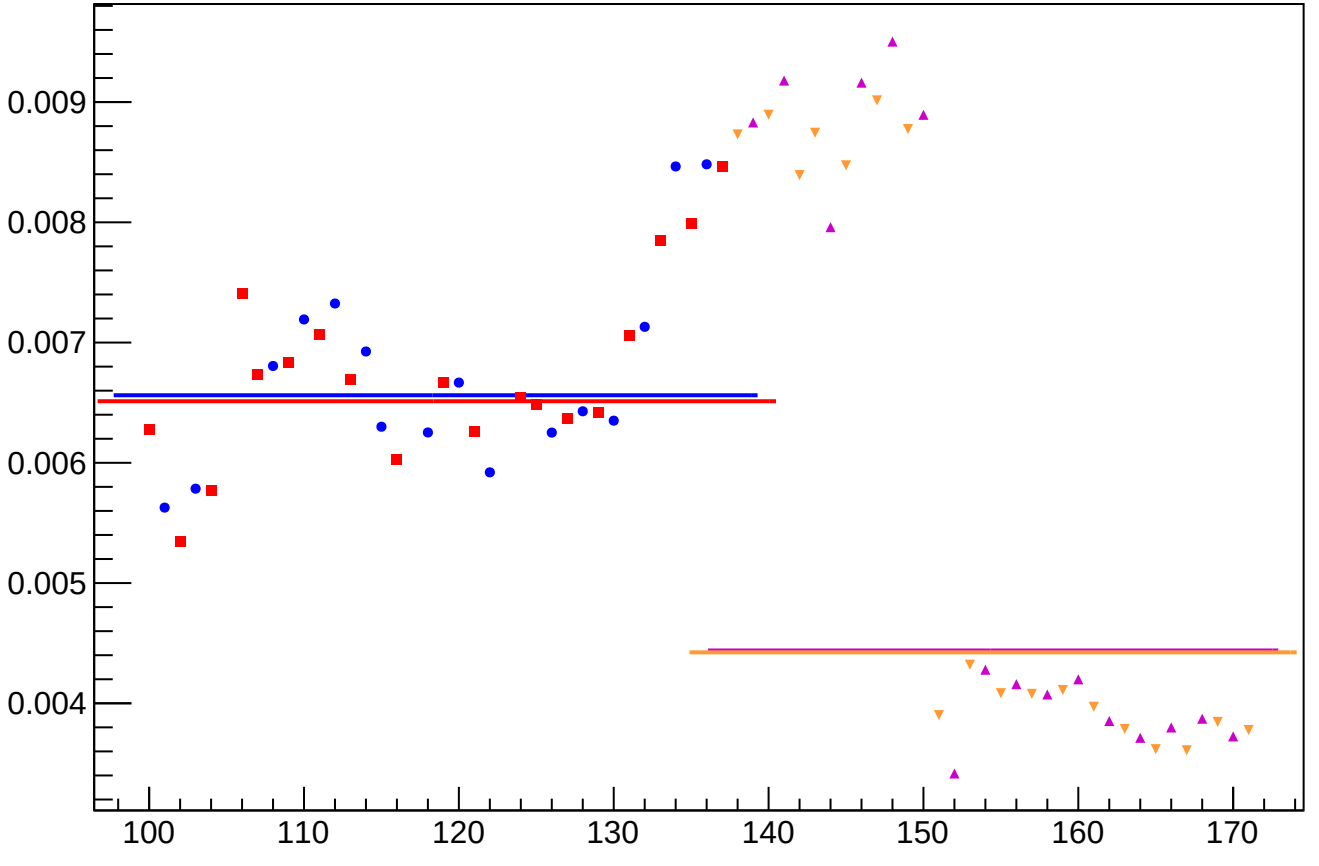
In: 0.003+/-0.000 χ^2/NDF:2384386.0/31

Out: 0.002+/-0.000 χ^2/NDF:2626994.4/36

All: 0.002+/-0.000 χ^2/NDF: 5021693.8/68


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:43342626221.2/15
Left: -1.891+/-0.000 χ²/NDF: 70757156595.5/33
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.985+/-0.000 χ²/NDF:69758418523.5/31
Out: -1.971+/-0.000 χ²/NDF:55921496311.6/36
All: -1.978+/-0.000 χ²/NDF: 125749165694.4

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:2899798.6/15

Left: 0.004+/-0.000 χ^2/NDF: 5755223.0/33

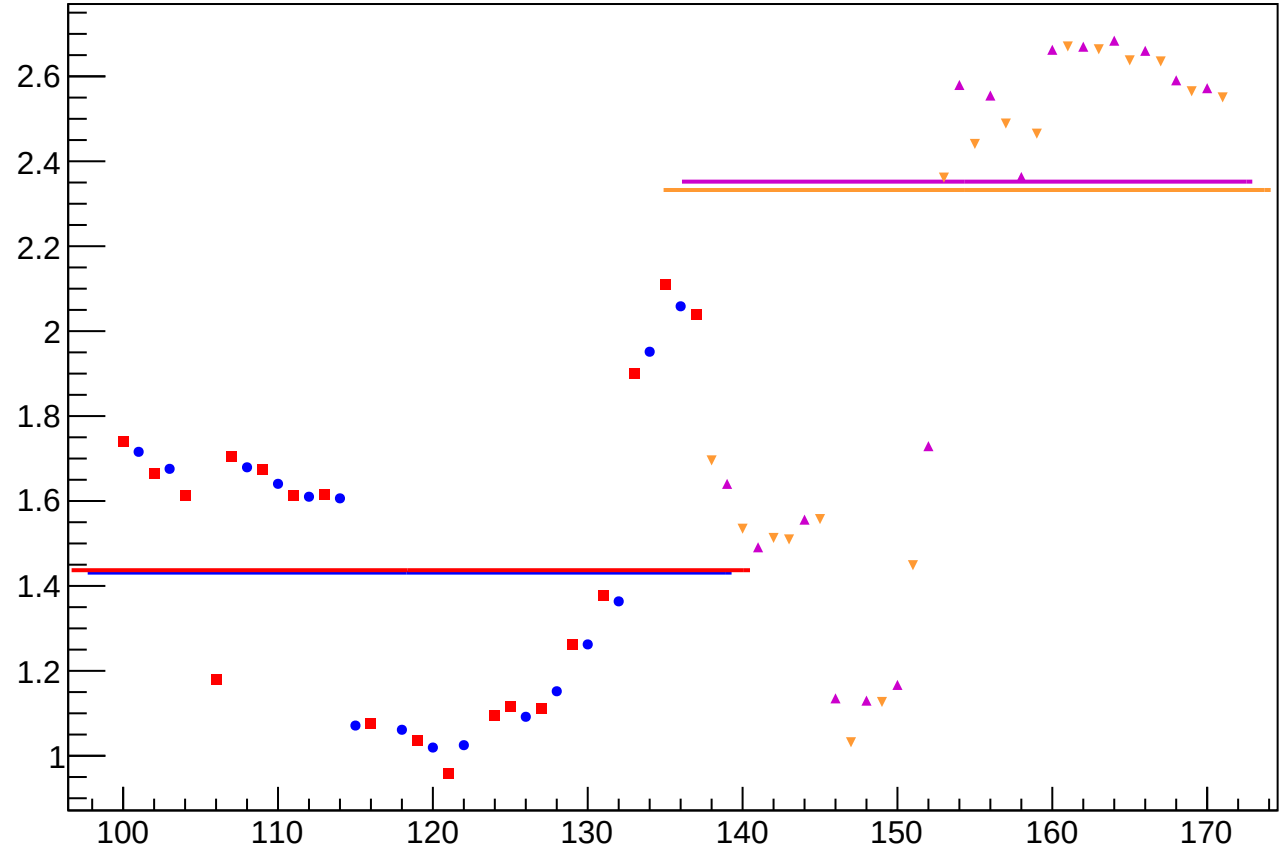
Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

In: 0.005+/-0.000 χ^2/NDF:4252727.3/31

Out: 0.005+/-0.000 χ^2/NDF:4193123.9/36

All: 0.005+/-0.000 χ^2/NDF: 8447125.9/68

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.431+/-0.000 χ^2/NDF: 189180734956.1/15

Left Out: 2.332+/-0.000 χ^2/NDF:216104221685.0/17

Right Out: 1.437+/-0.000 χ^2/NDF: 182019221175.5/18

Left In: 2.352+/-0.000 χ^2/NDF:206670882872.5/15

Left: 2.342+/-0.000 χ^2/NDF: 422977862976.3/33

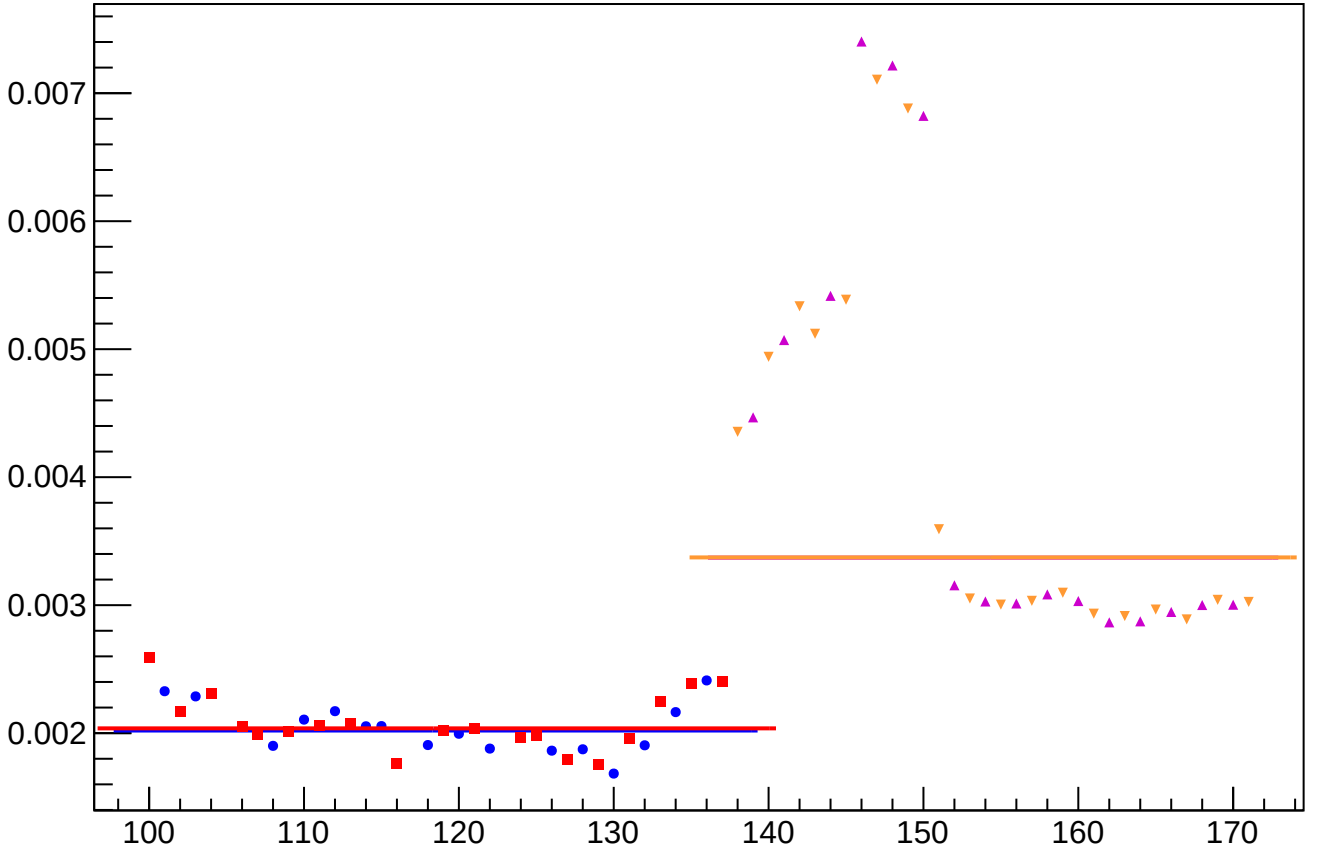
Right: 1.434+/-0.000 χ^2/NDF: 371226177704.8/34

In: 1.782+/-0.000 χ^2/NDF:921014976283.2/31

Out: 1.797+/-0.000 χ^2/NDF:923898778837.5/36

All: 1.790+/-0.000 χ^2/NDF: 1845206736319.

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:1932543.3/15

Left: 0.003+/-0.000 χ^2/NDF: 3636976.2/33

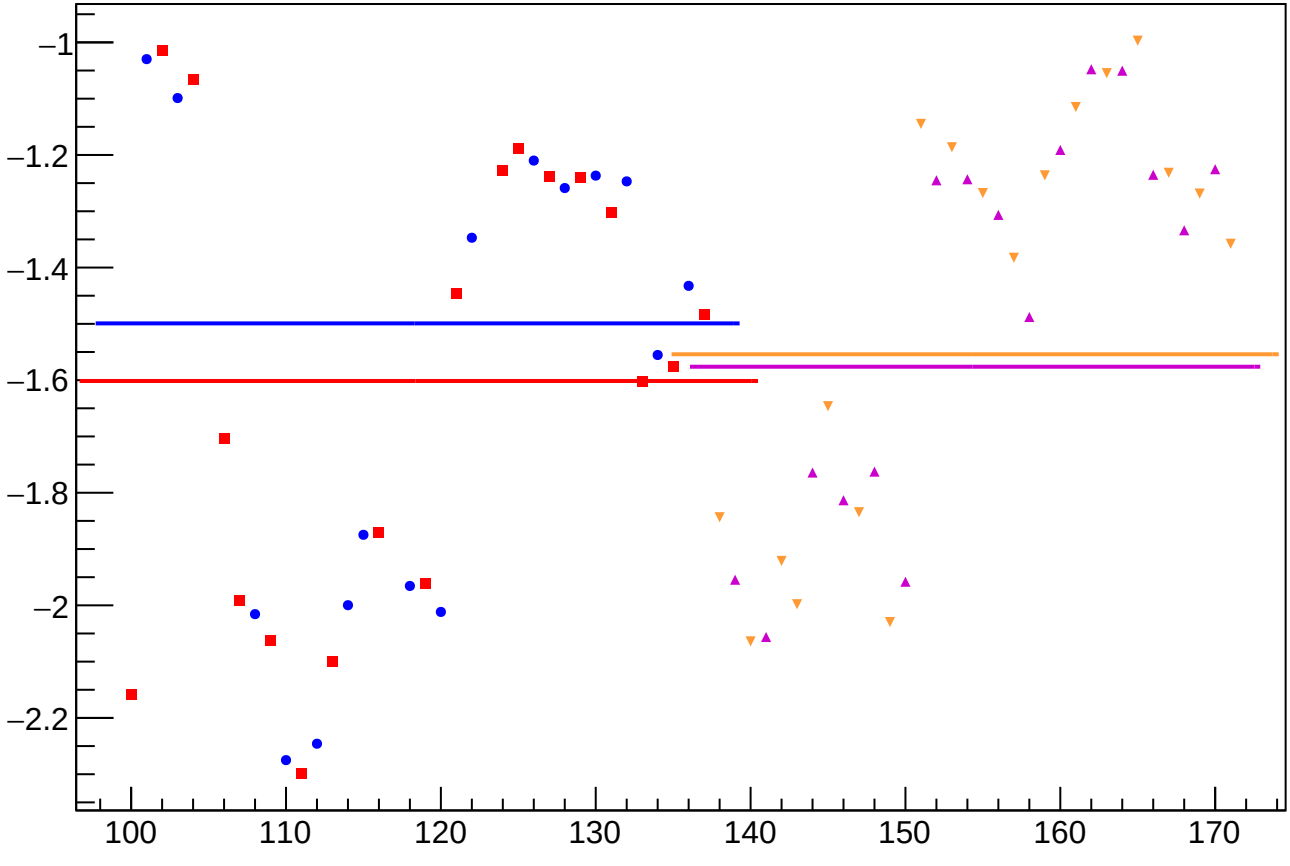
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4347610.6/31

Out: 0.003+/-0.000 χ^2/NDF:4157896.1/36

All: 0.003+/-0.000 χ^2/NDF: 8509610.9/68

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: -1.576+/-0.000 χ^2/NDF:30633604454.6/15

Left: -1.564+/-0.000 χ^2/NDF: 71679262106.4/33

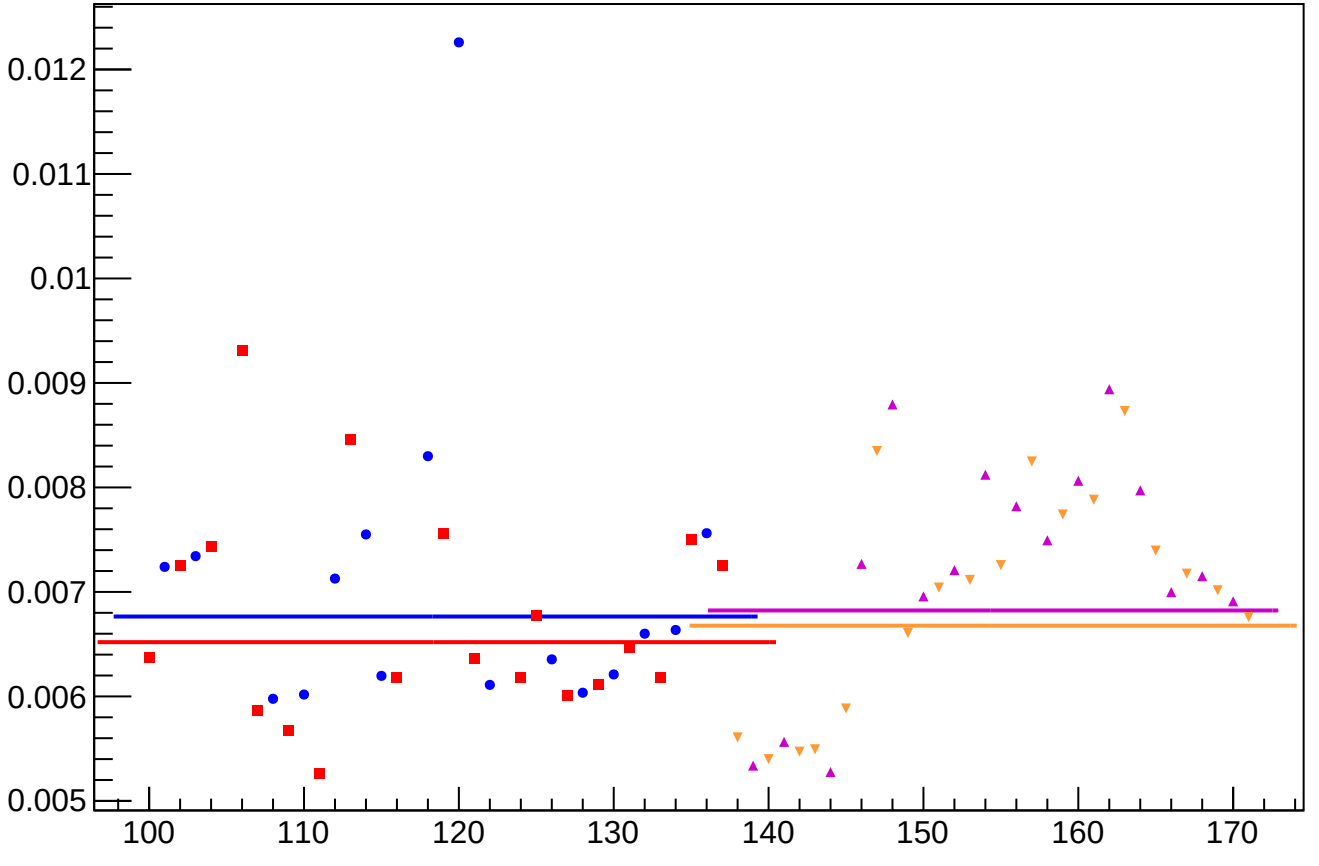
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.549+/-0.000 χ^2/NDF:54106922556.5/31

Out: -1.571+/-0.000 χ^2/NDF:69538907741.3/36

All: -1.561+/-0.000 χ^2/NDF: 123748530088.2

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:678687.1/15

Left: 0.007+/-0.000 χ^2/NDF: 1283322.7/33

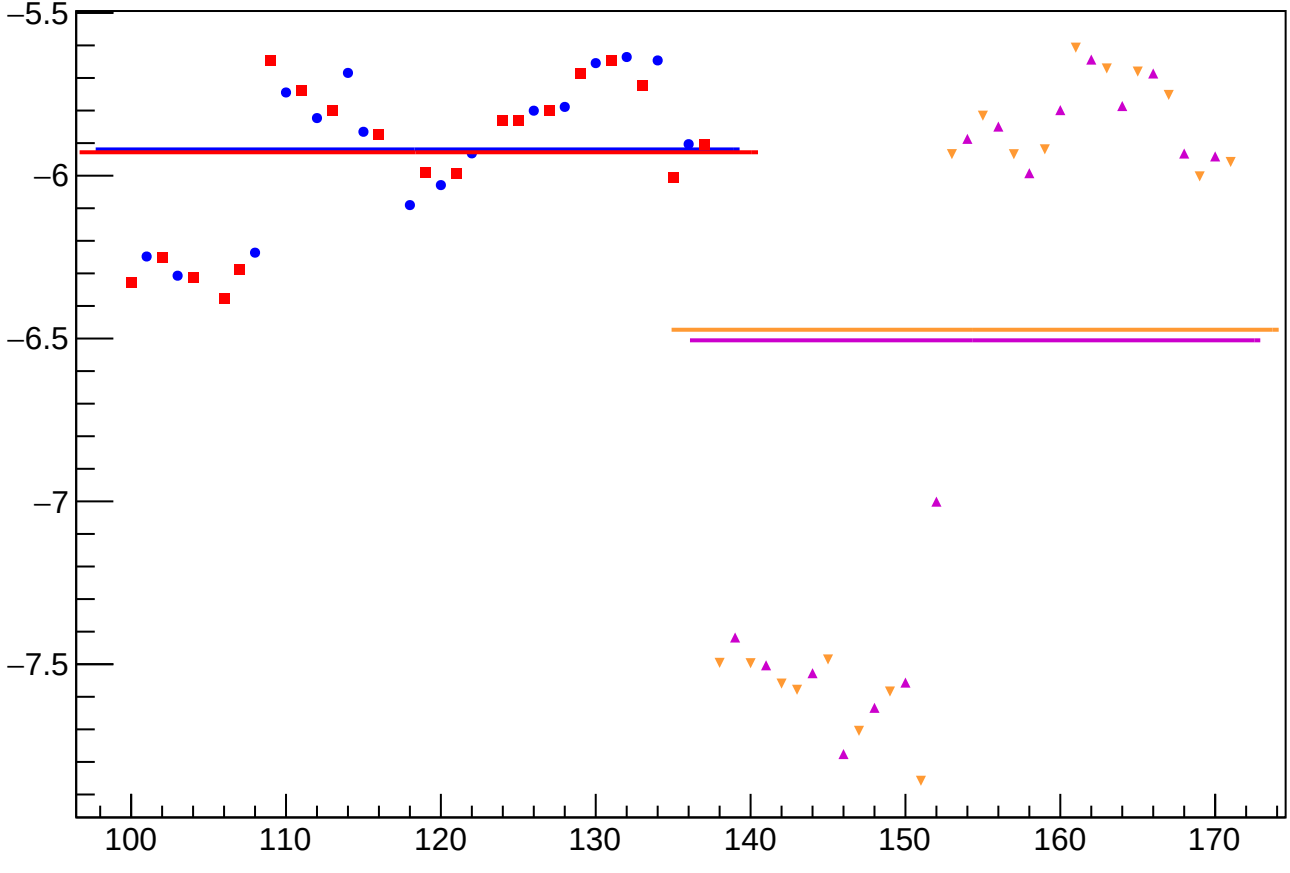
Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

In: 0.007+/-0.000 χ^2/NDF:917871.6/31

Out: 0.007+/-0.000 χ^2/NDF:849428.8/36

All: 0.007+/-0.000 χ^2/NDF: 1781294.4/68

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: -6.506+/-0.000 χ^2/NDF:78223335631.0/15

Left: -6.488+/-0.000 χ^2/NDF: 178650186601.8/33

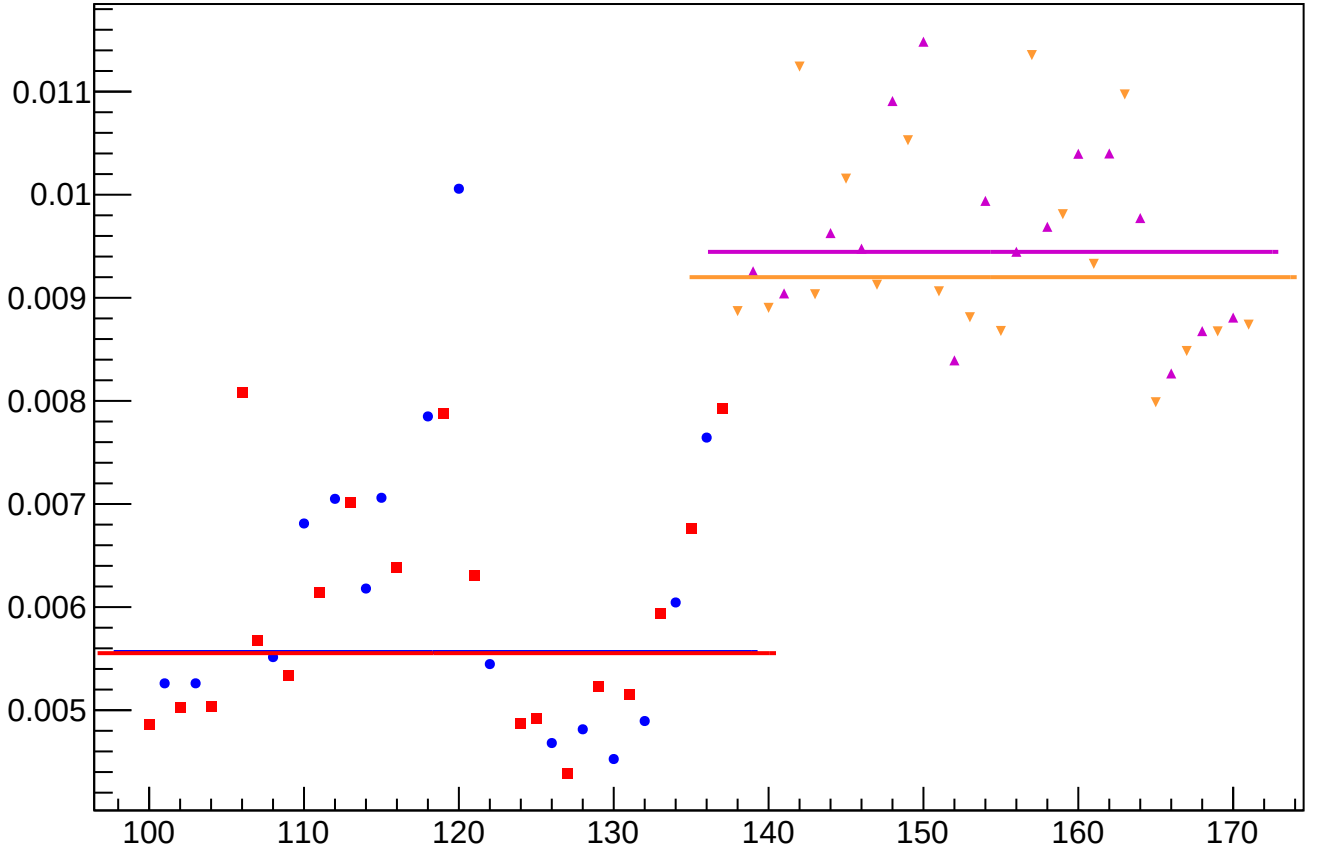
Right: -5.924+/-0.000 χ^2/NDF: 24391751979.3/34

In: -6.139+/-0.000 χ^2/NDF:115503009639.0/31

Out: -6.141+/-0.000 χ^2/NDF:137425801009.1/36

All: -6.140+/-0.000 χ^2/NDF: 252929234892.5

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:200363.6/17

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:163962.4/15

Left: 0.009+/-0.000 χ^2/NDF: 371936.7/33

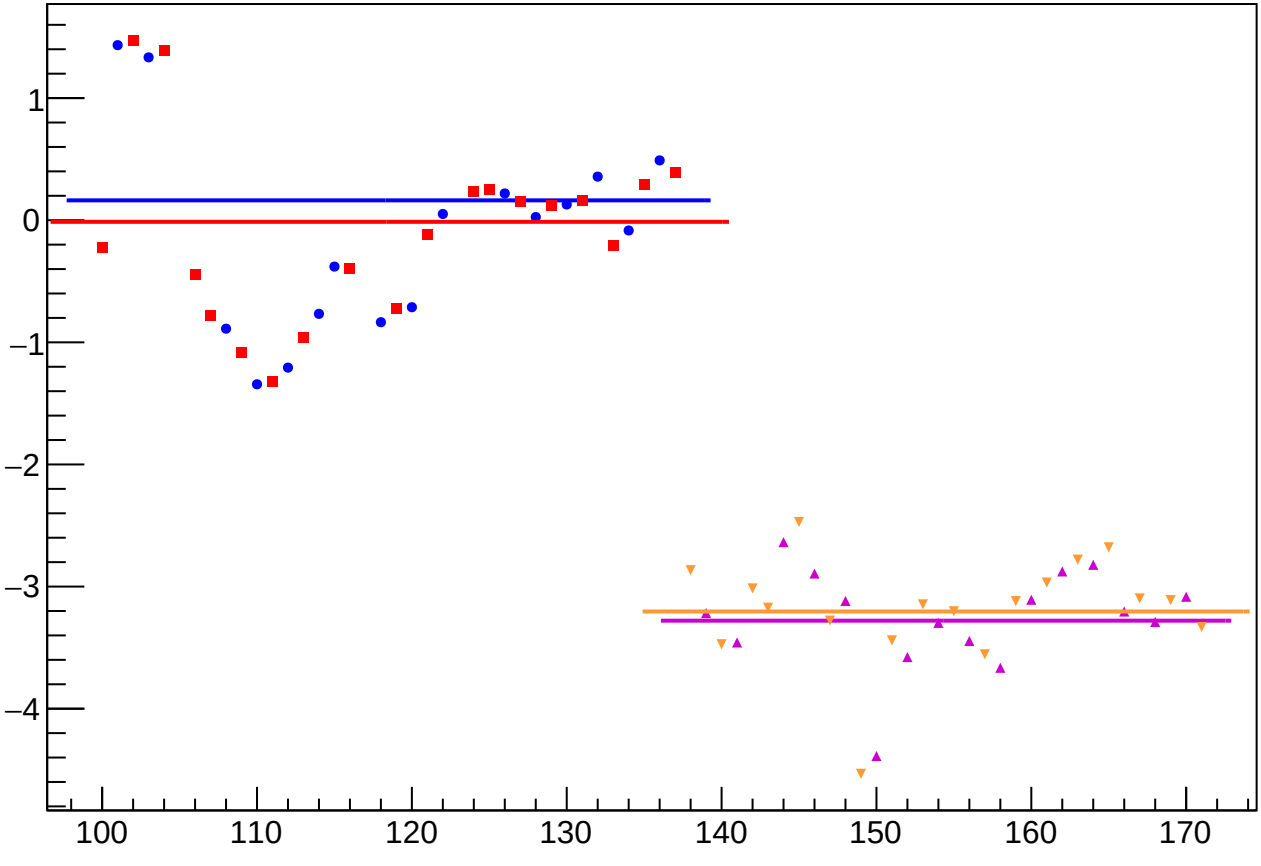
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2899149.7/31

Out: 0.007+/-0.000 χ^2/NDF:2753021.4/36

All: 0.007+/-0.000 χ^2/NDF: 5652788.2/68

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: -3.279+/-0.000 χ^2/NDF:6413123729.9/15

Left: -3.240+/-0.000 χ^2/NDF: 14717795958.9/33

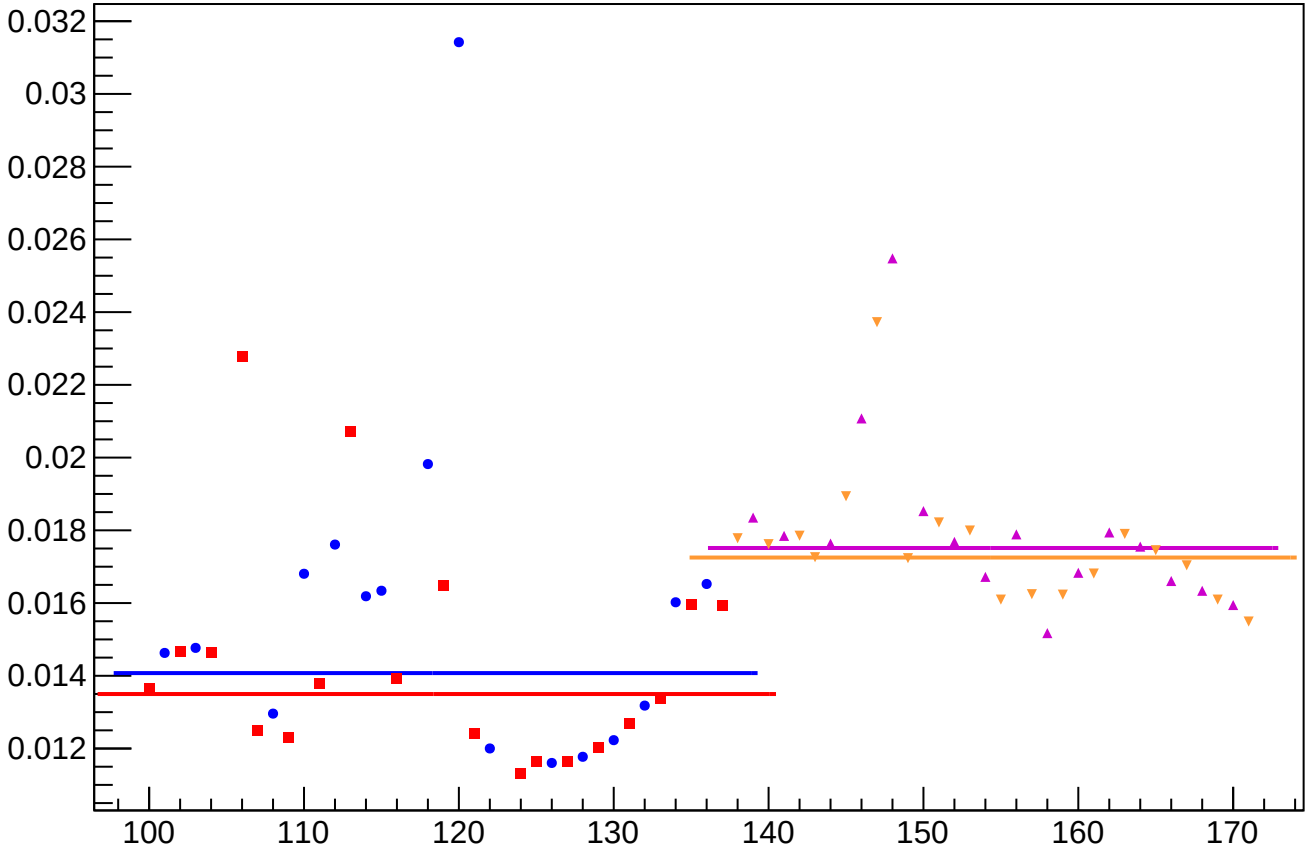
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.770+/-0.000 χ^2/NDF:236083339718.6/31

Out: -1.769+/-0.000 χ^2/NDF:239041831154.9/36

All: -1.769+/-0.000 χ^2/NDF: 475125179542.7

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: 0.018+/-0.000 χ^2/NDF:278034.7/15

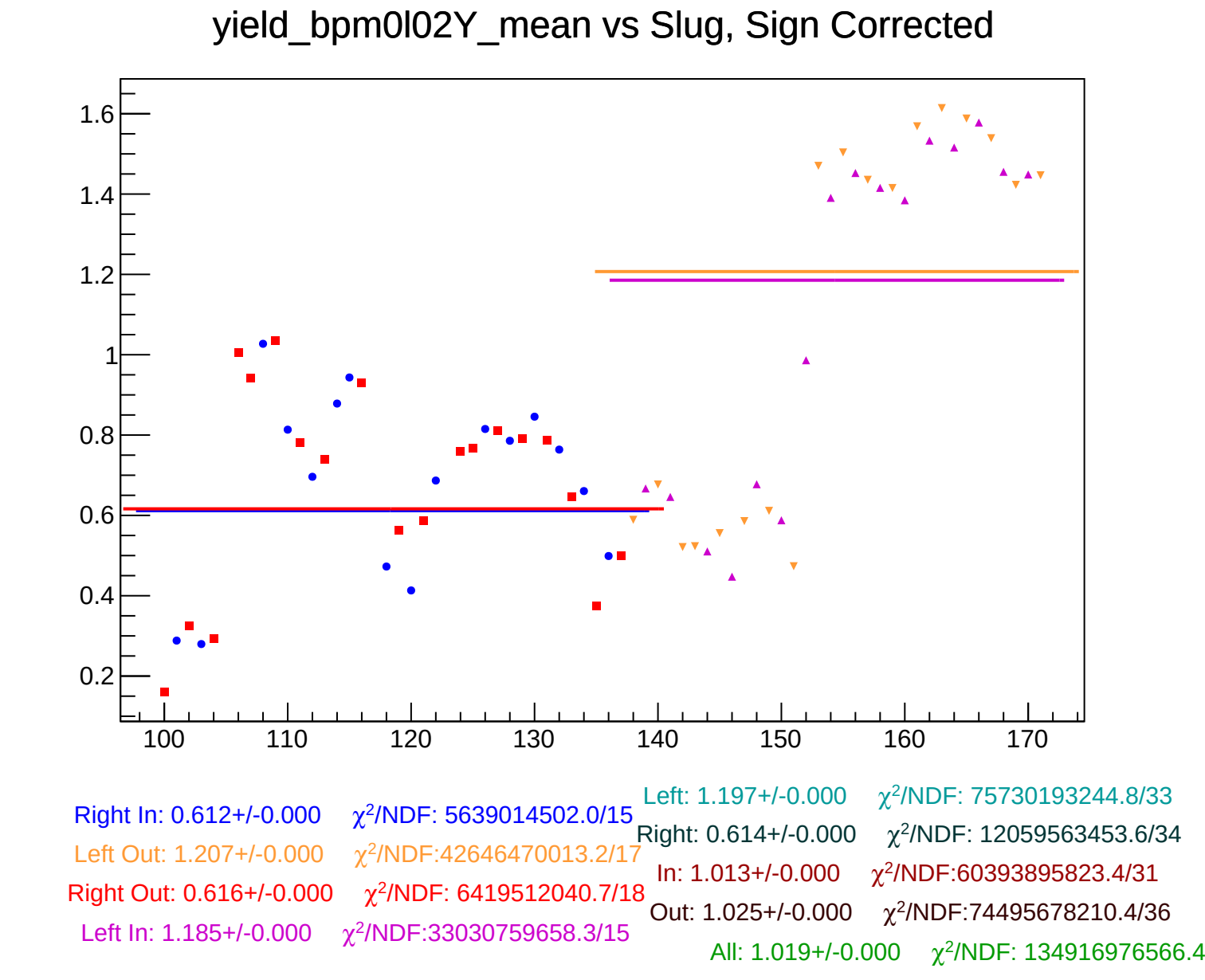
Left: 0.017+/-0.000 χ^2/NDF: 468187.8/33

Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

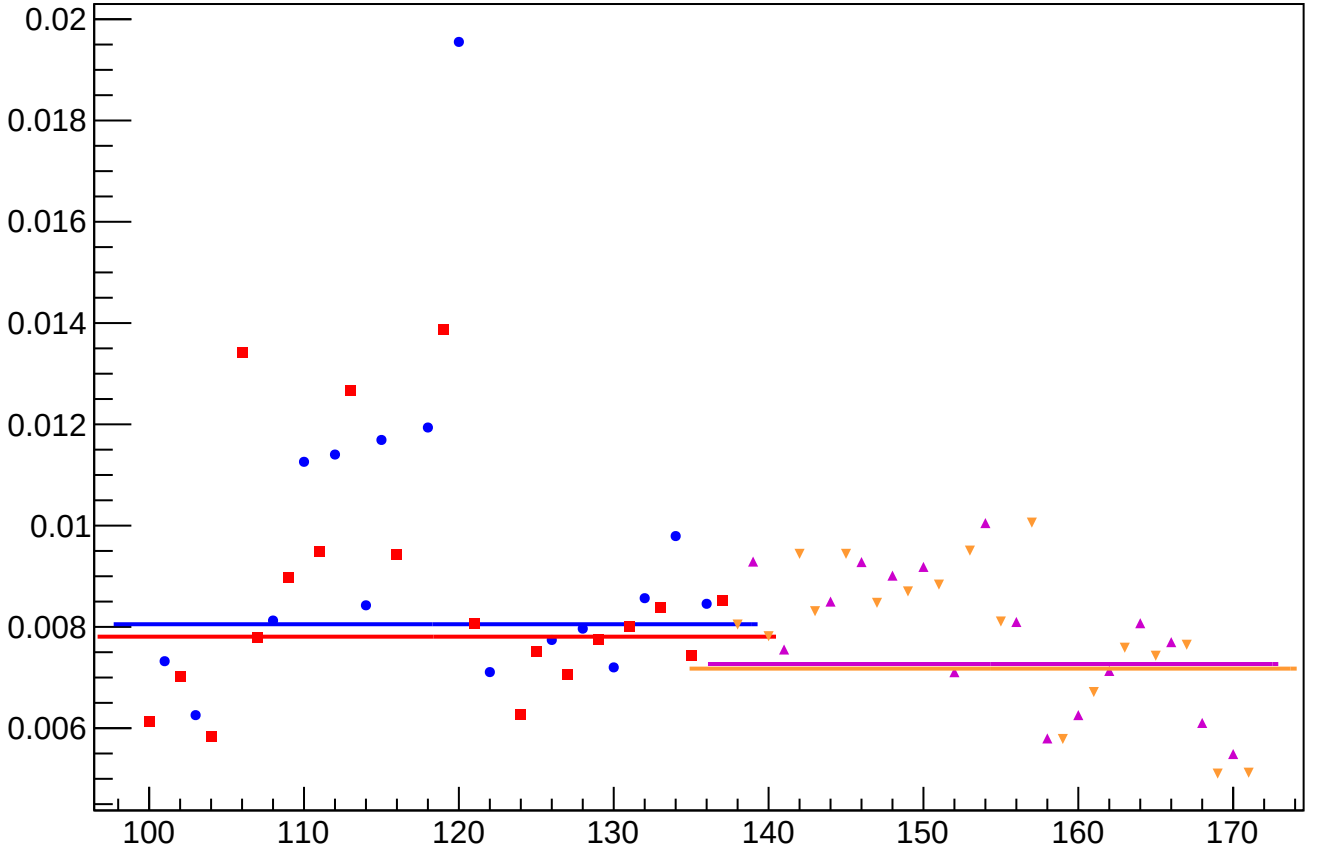
In: 0.016+/-0.000 χ^2/NDF:1166403.5/31

Out: 0.016+/-0.000 χ^2/NDF:1078538.3/36

All: 0.016+/-0.000 χ^2/NDF: 2259998.9/68


yield_bpm0l02Y_mean vs Slug, Sign Corrected
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
Right In: 0.612+/-0.000 χ²/NDF: 5639014502.0/15
Left Out: 1.207+/-0.000 χ²/NDF:42646470013.2/17
Right Out: 0.616+/-0.000 χ²/NDF: 6419512040.7/18
Left In: 1.185+/-0.000 χ²/NDF:33030759658.3/15
Left: 1.197+/-0.000 χ²/NDF: 75730193244.8/33
Right: 0.614+/-0.000 χ²/NDF: 12059563453.6/34
In: 1.013+/-0.000 χ²/NDF:60393895823.4/31
Out: 1.025+/-0.000 χ²/NDF:74495678210.4/36
All: 1.019+/-0.000 χ²/NDF: 134916976566.4

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:829208.9/15

Left: 0.007+/-0.000 χ^2/NDF: 2002900.2/33

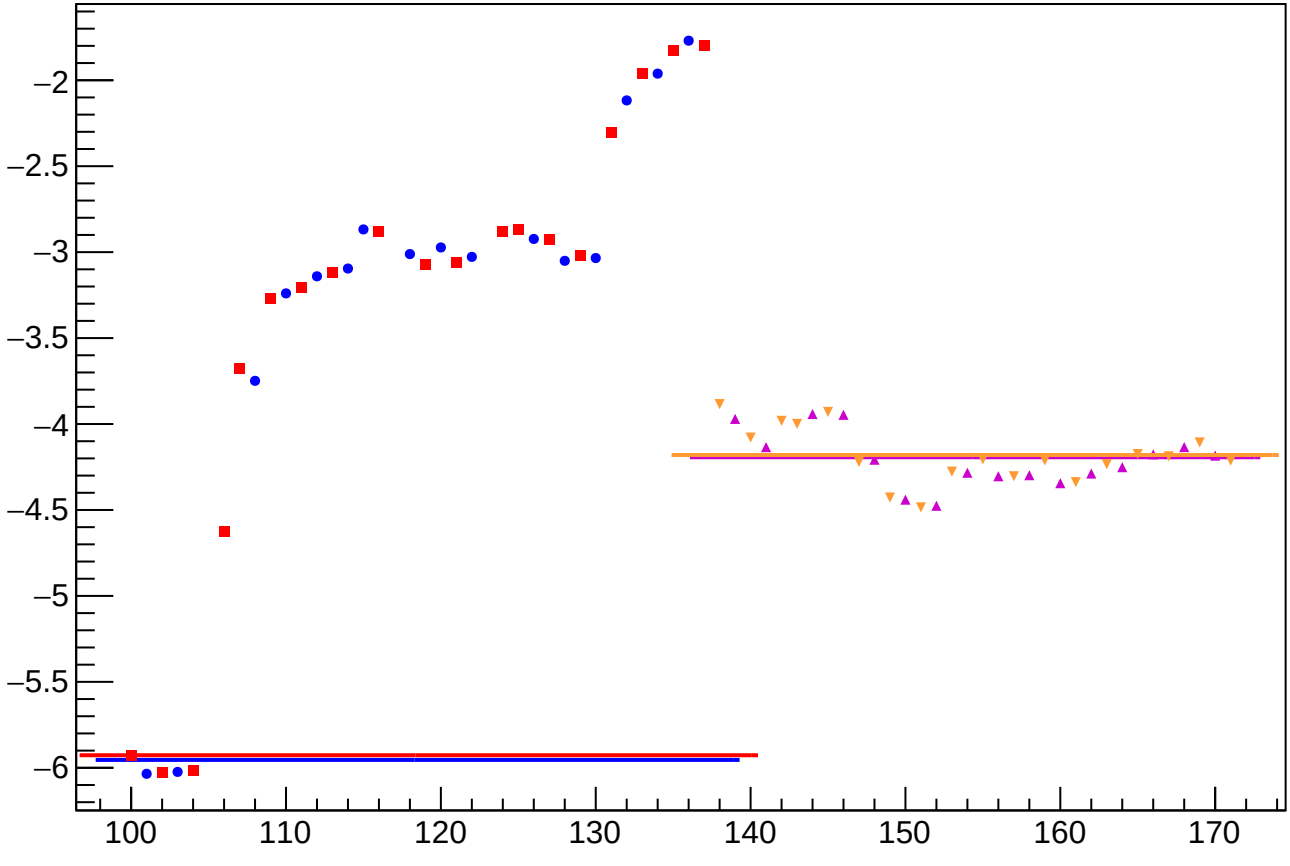
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.008+/-0.000 χ^2/NDF:1508950.7/31

Out: 0.007+/-0.000 χ^2/NDF:1816972.6/36

All: 0.007+/-0.000 χ^2/NDF: 3331785.3/68

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: -4.193+/-0.000 χ^2/NDF:40318222.0/15

Left: -4.187+/-0.000 χ^2/NDF: 93647226.0/33

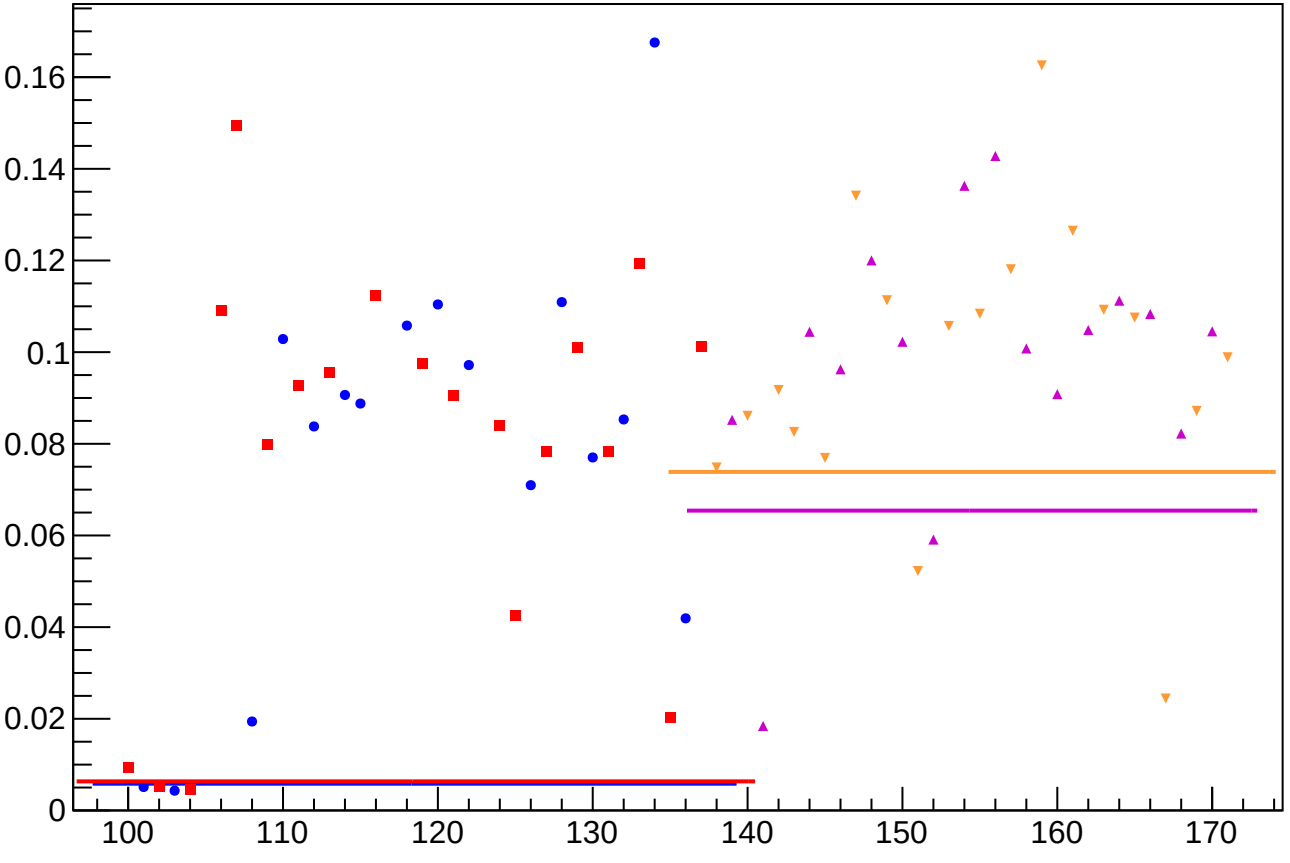
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.896+/-0.000 χ^2/NDF:18439546238.2/31

Out: -5.856+/-0.000 χ^2/NDF:19217113916.7/36

All: -5.878+/-0.000 χ^2/NDF: 37694722113.3/

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: 0.065+/-0.000 χ^2/NDF:5873422.5/15

Left: 0.070+/-0.000 χ^2/NDF: 10354591.0/33

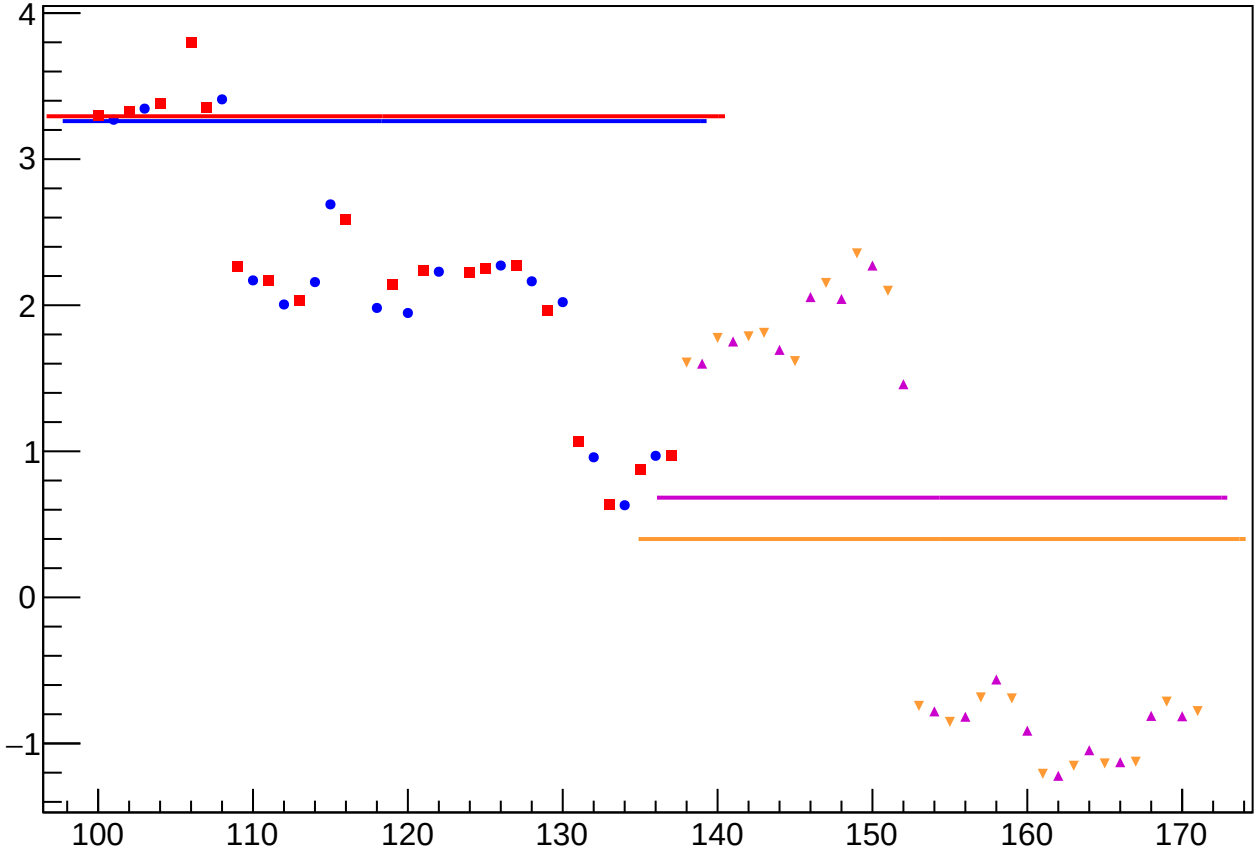
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:26710983.9/31

Out: 0.009+/-0.000 χ^2/NDF:28771804.6/36

All: 0.008+/-0.000 χ^2/NDF: 55560263.9/68

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: 0.683+/-0.000 χ^2/NDF:2175320557.4/15

Left: 0.529+/-0.000 χ^2/NDF: 5284812723.0/33

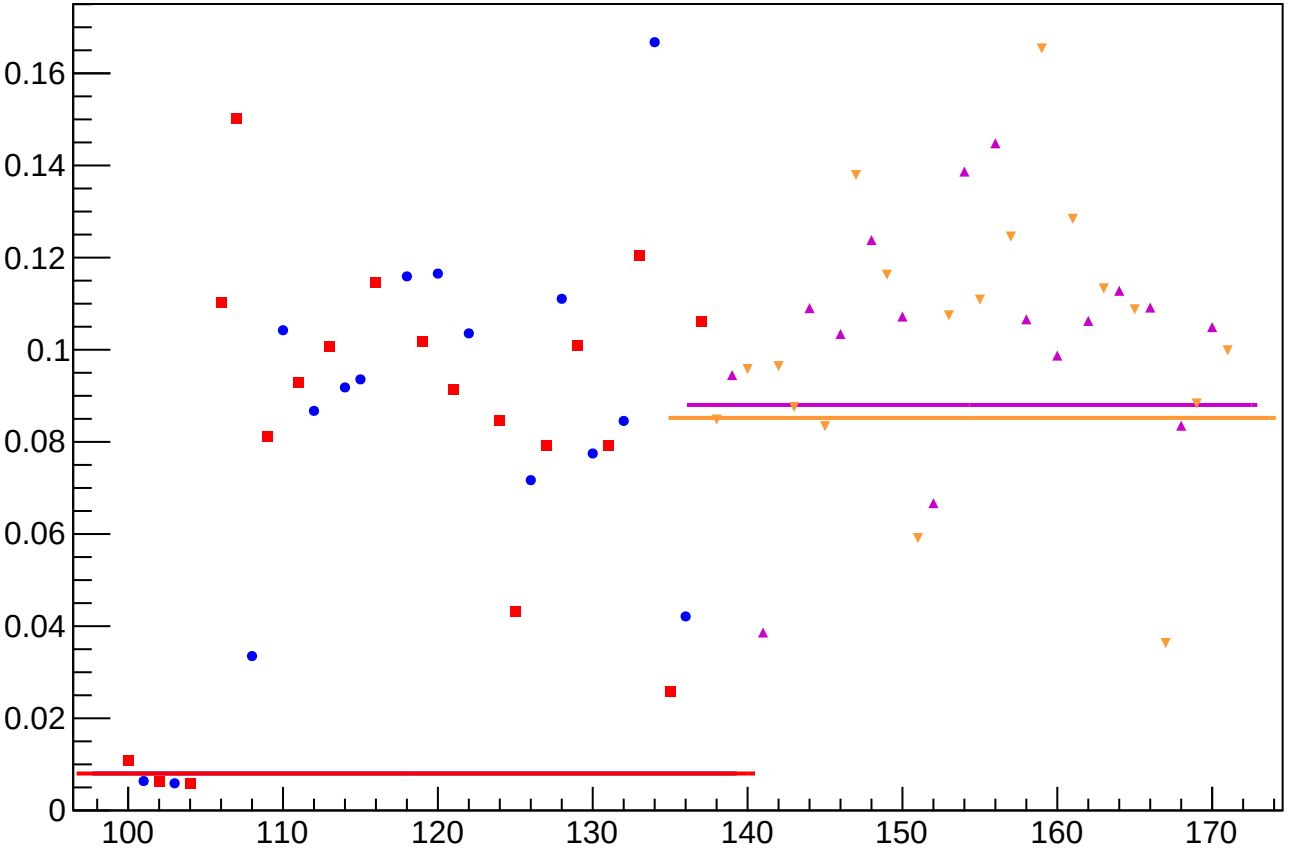
Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

In: 3.161+/-0.000 χ^2/NDF:13119630620.0/31

Out: 3.154+/-0.000 χ^2/NDF:18101486878.5/36

All: 3.158+/-0.000 χ^2/NDF: 31221896839.8/6

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: 0.088+/-0.000 χ^2/NDF:2287498.3/15

Left: 0.086+/-0.000 χ^2/NDF: 5084906.3/33

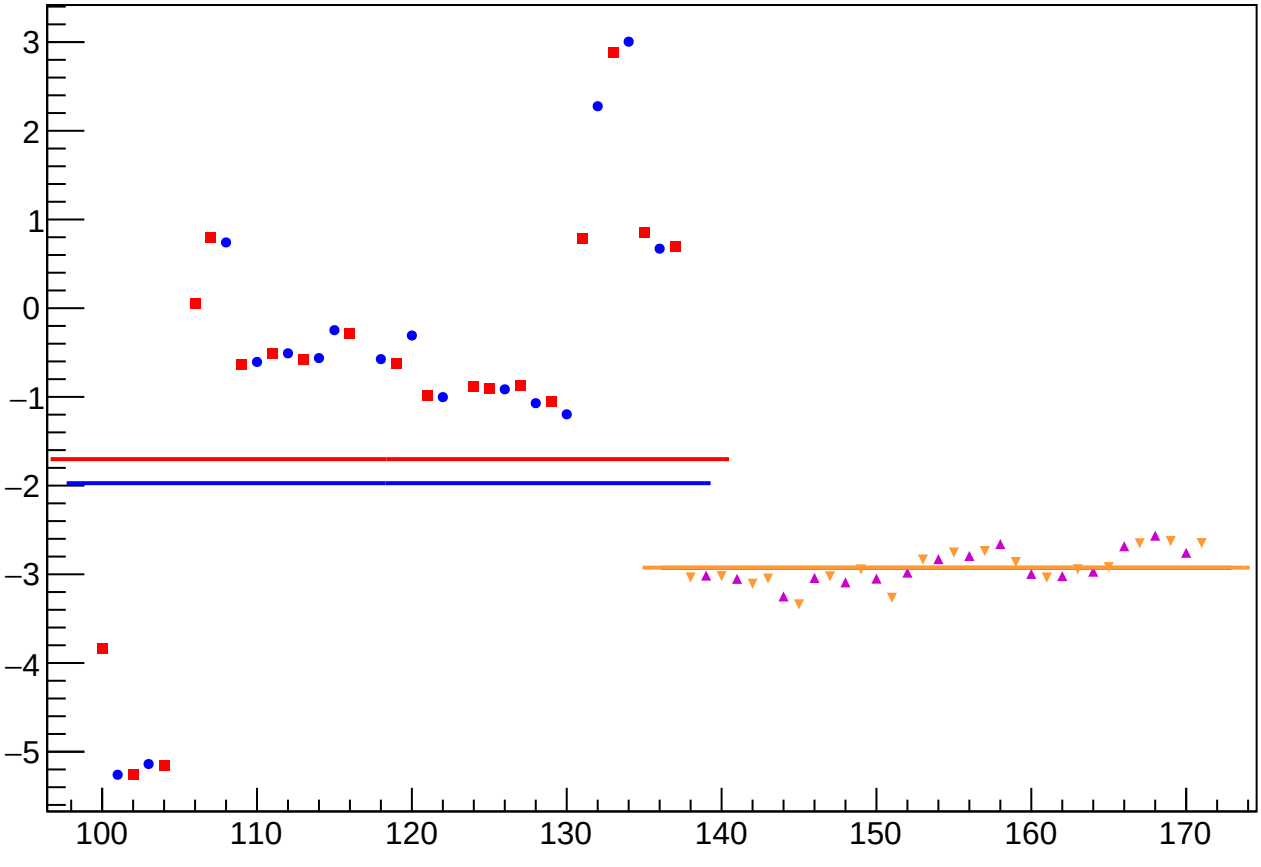
Right: 0.008+/-0.000 χ^2/NDF: 16957931.3/34

In: 0.011+/-0.000 χ^2/NDF:25984020.5/31

Out: 0.012+/-0.000 χ^2/NDF:28120253.4/36

All: 0.011+/-0.000 χ^2/NDF: 54117004.9/68

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: -2.927+/-0.000 χ^2/NDF:6572072517.4/15

Left: -2.926+/-0.000 χ^2/NDF: 15135872758.2/33

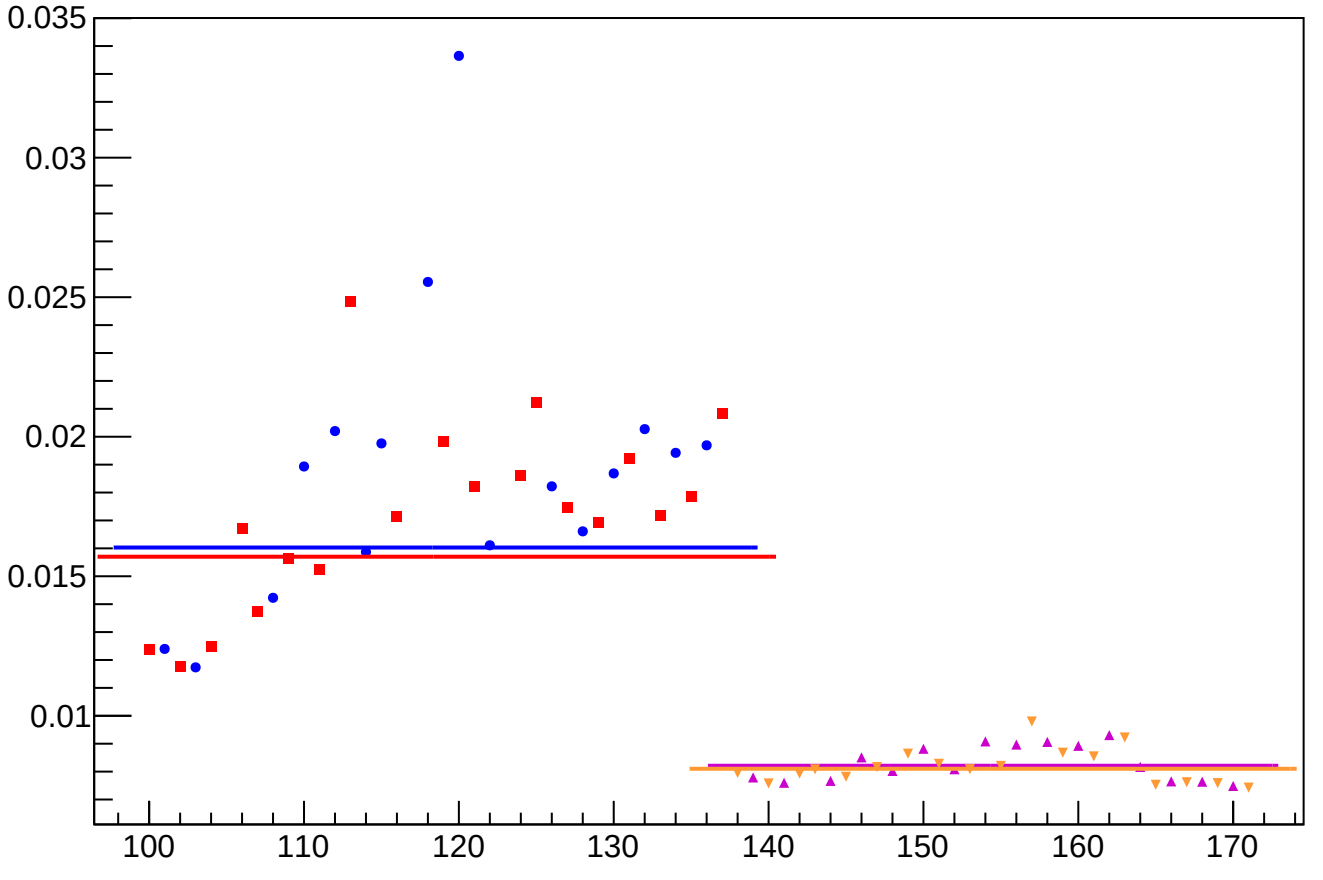
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.823+/-0.000 χ^2/NDF:186923674887.4/31

Out: -2.788+/-0.000 χ^2/NDF:211058475926.6/36

All: -2.805+/-0.000 χ^2/NDF: 398113637203.5

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:137775.1/15

Left: 0.008+/-0.000 χ^2/NDF: 271372.6/33

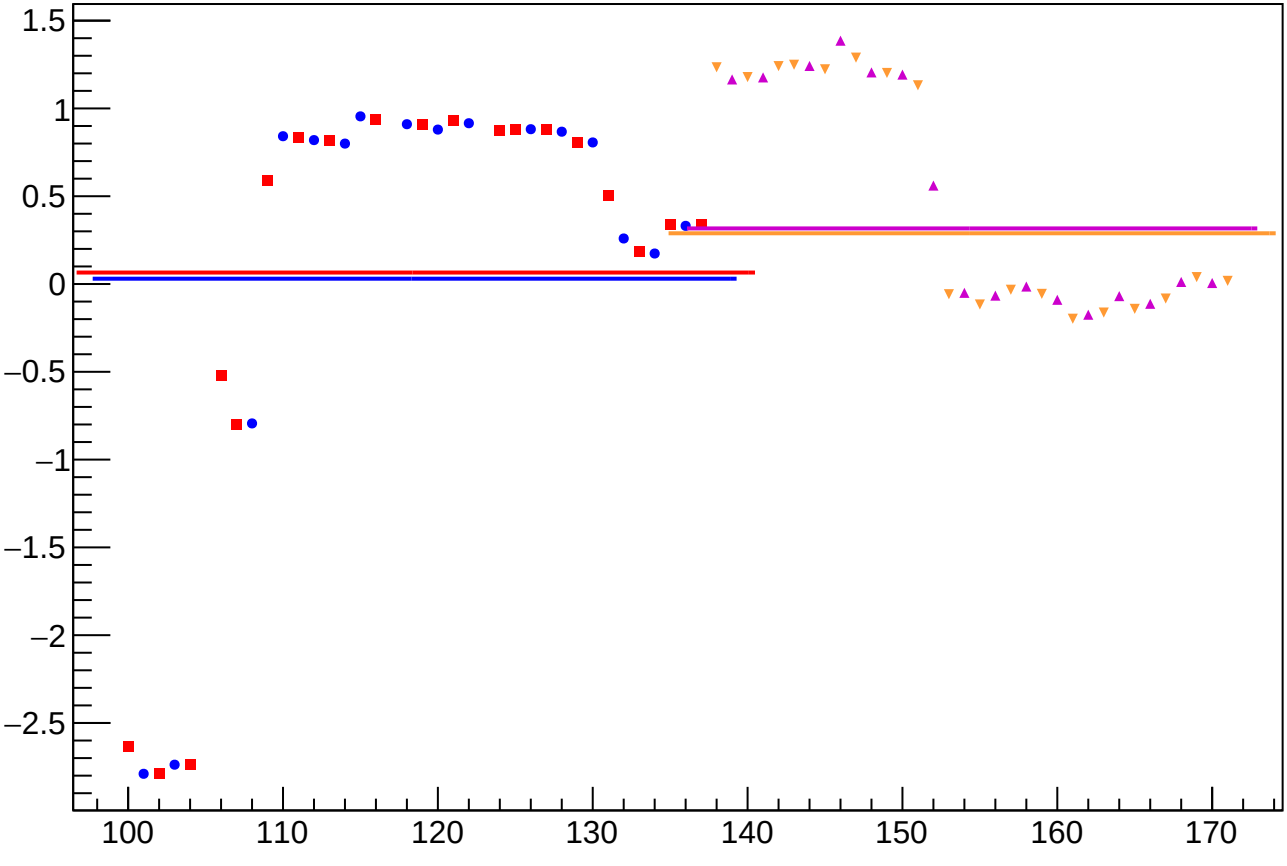
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3342745.6/31

Out: 0.009+/-0.000 χ^2/NDF:3286111.8/36

All: 0.009+/-0.000 χ^2/NDF: 6631517.2/68

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: 0.317+/-0.000 χ^2/NDF:78654176222.1/15

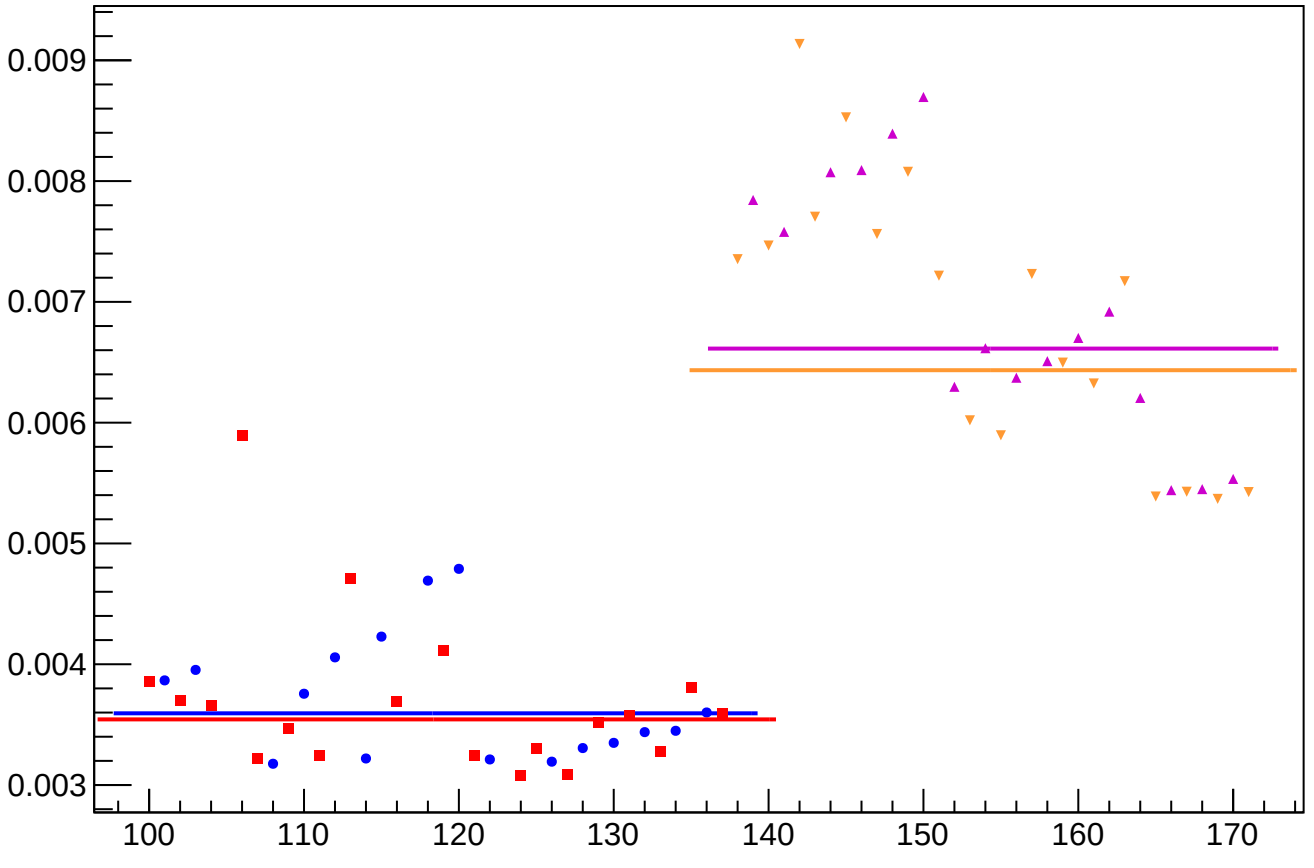
Left: 0.302+/-0.000 χ^2/NDF: 175808317796.1/33

Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

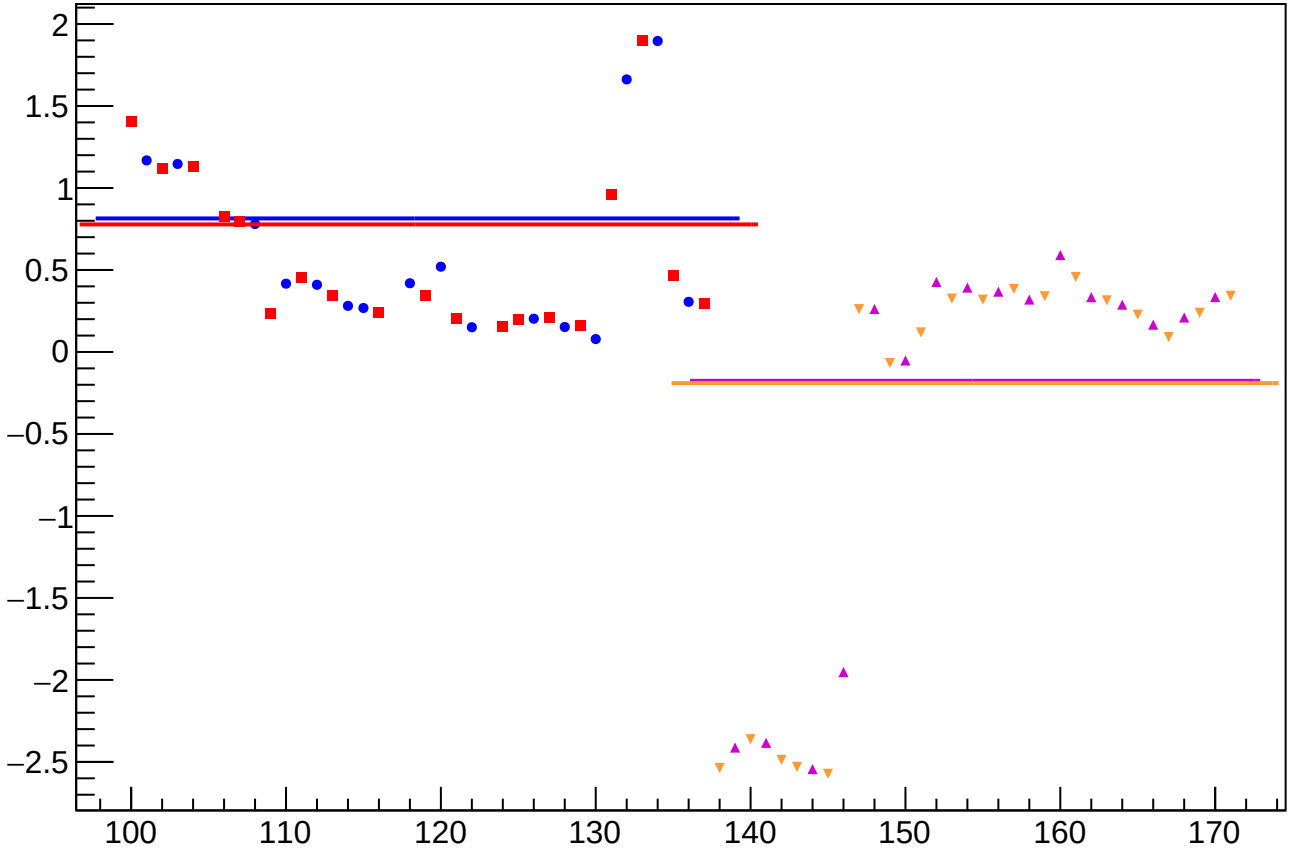
In: 0.124+/-0.000 χ^2/NDF:944322819090.2/31

Out: 0.141+/-0.000 χ^2/NDF:1042029478221.1/36

All: 0.133+/-0.000 χ^2/NDF: 1986472574061.


yield_bpm0l04Y_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
0.004
0.003
100
110
120
130
140
150
160
170
Right In: 0.004+/-0.000 χ²/NDF: 180415.0/15
Left Out: 0.006+/-0.000 χ²/NDF:585860.9/17
Right Out: 0.004+/-0.000 χ²/NDF: 224729.1/18
Left In: 0.007+/-0.000 χ²/NDF:498698.5/15
Left: 0.007+/-0.000 χ²/NDF: 1093195.2/33
Right: 0.004+/-0.000 χ²/NDF: 406509.3/34
In: 0.005+/-0.000 χ²/NDF:3790078.6/31
Out: 0.005+/-0.000 χ²/NDF:3987638.5/36
All: 0.005+/-0.000 χ²/NDF: 7780362.0/68

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: -0.176+/-0.000 χ^2/NDF:333090978062.3/15

Left: -0.183+/-0.000 χ^2/NDF: 706508945767.0/33

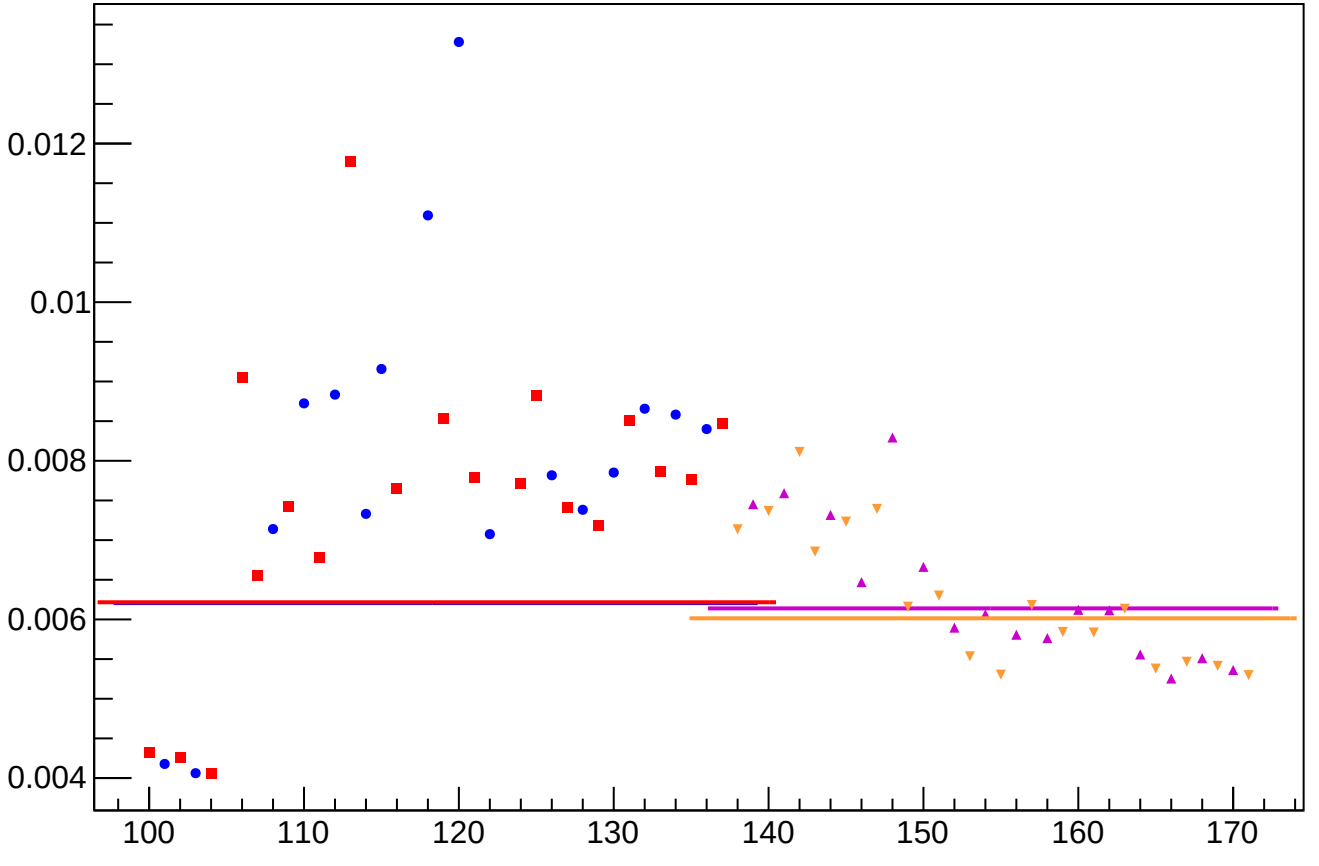
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.135+/-0.000 χ^2/NDF:465629585277.1/31

Out: 0.107+/-0.000 χ^2/NDF:508995514153.1/36

All: 0.120+/-0.000 χ^2/NDF: 974815292523.3

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:370452.8/15

Left: 0.006+/-0.000 χ^2/NDF: 742036.7/33

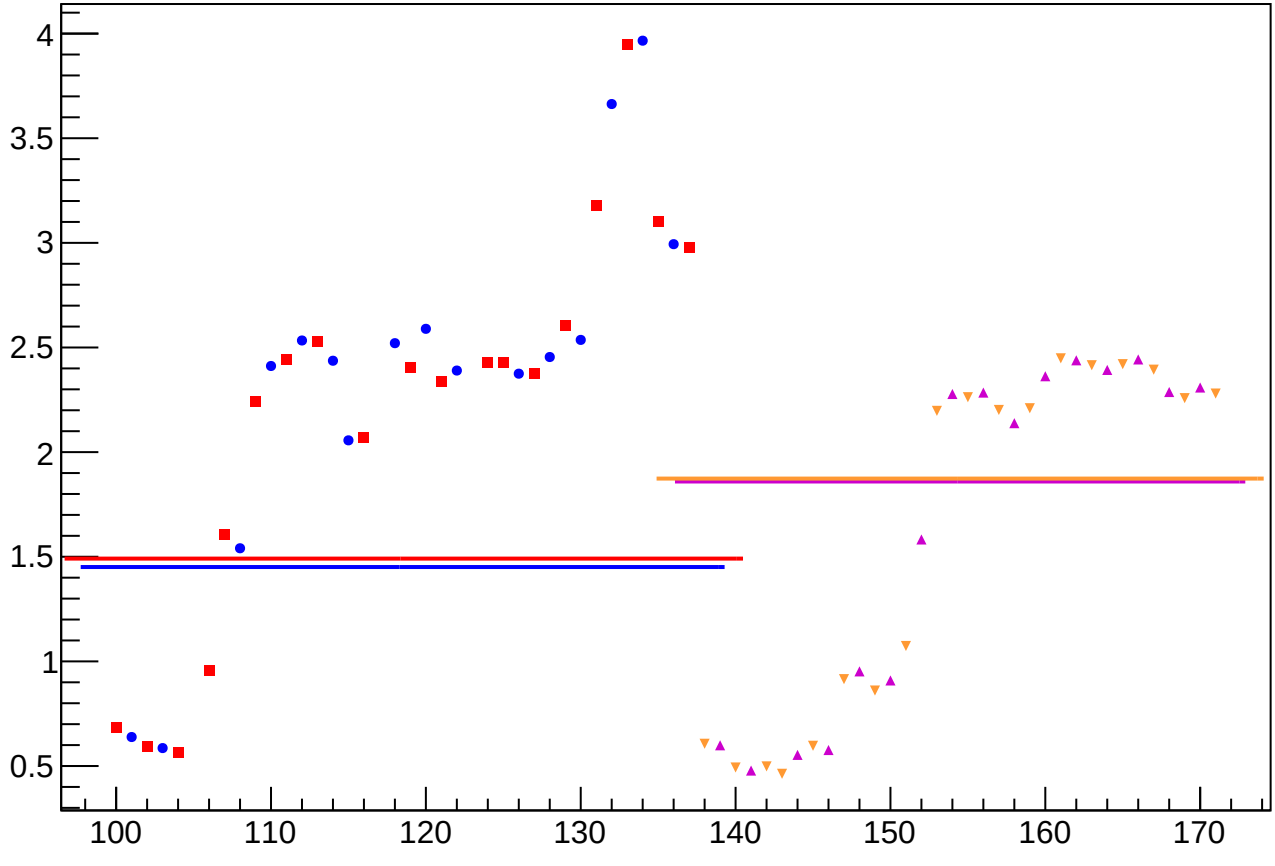
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1795228.1/31

Out: 0.006+/-0.000 χ^2/NDF:1536326.6/36

All: 0.006+/-0.000 χ^2/NDF: 3334947.9/68

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: 1.860+/-0.000 χ^2/NDF:170049178578.7/15

Left: 1.867+/-0.000 χ^2/NDF: 369429238517.3/33

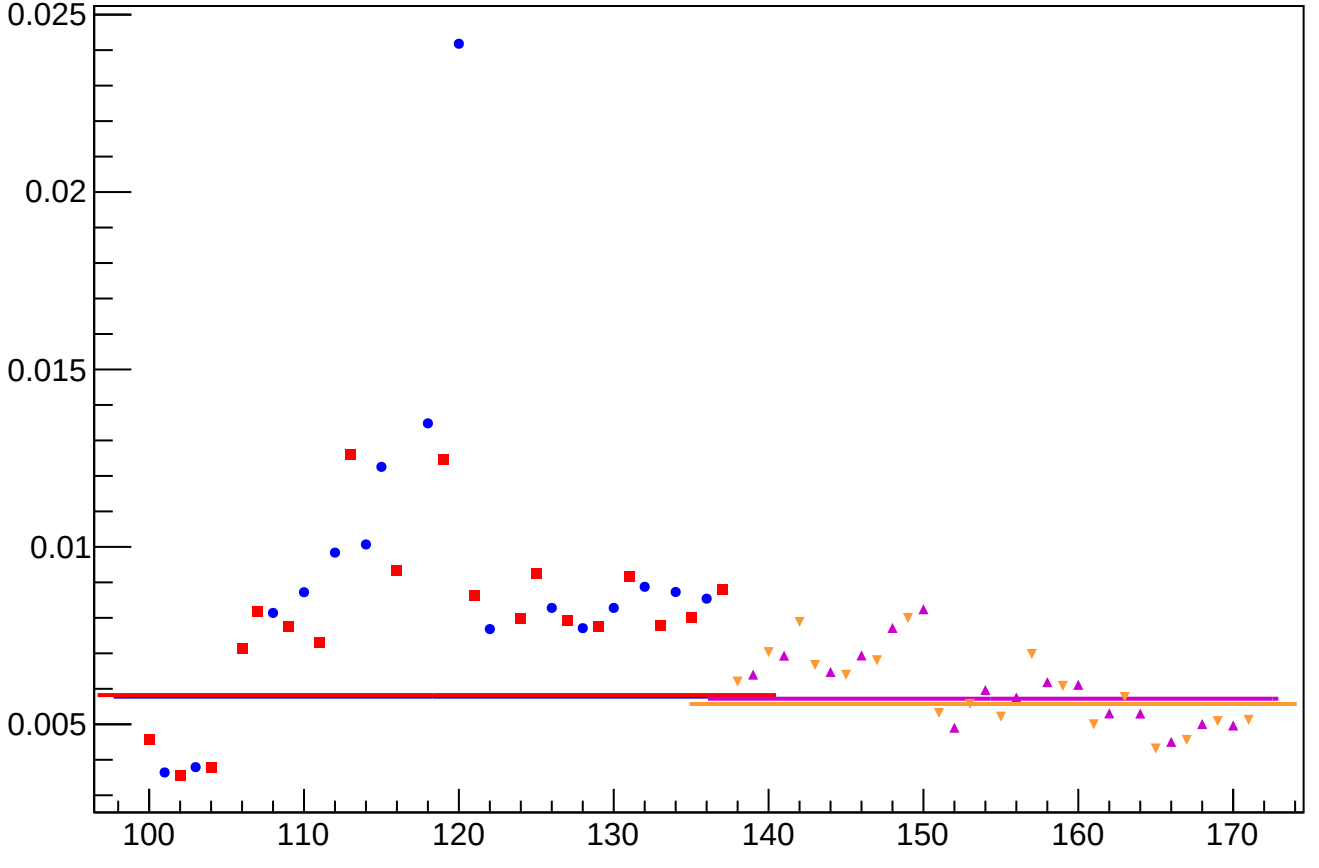
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.732+/-0.000 χ^2/NDF:356890103750.9/31

Out: 1.758+/-0.000 χ^2/NDF:402786875108.0/36

All: 1.746+/-0.000 χ^2/NDF: 759855247441.2

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:552535.0/15

Left: 0.006+/-0.000 χ^2/NDF: 1183795.1/33

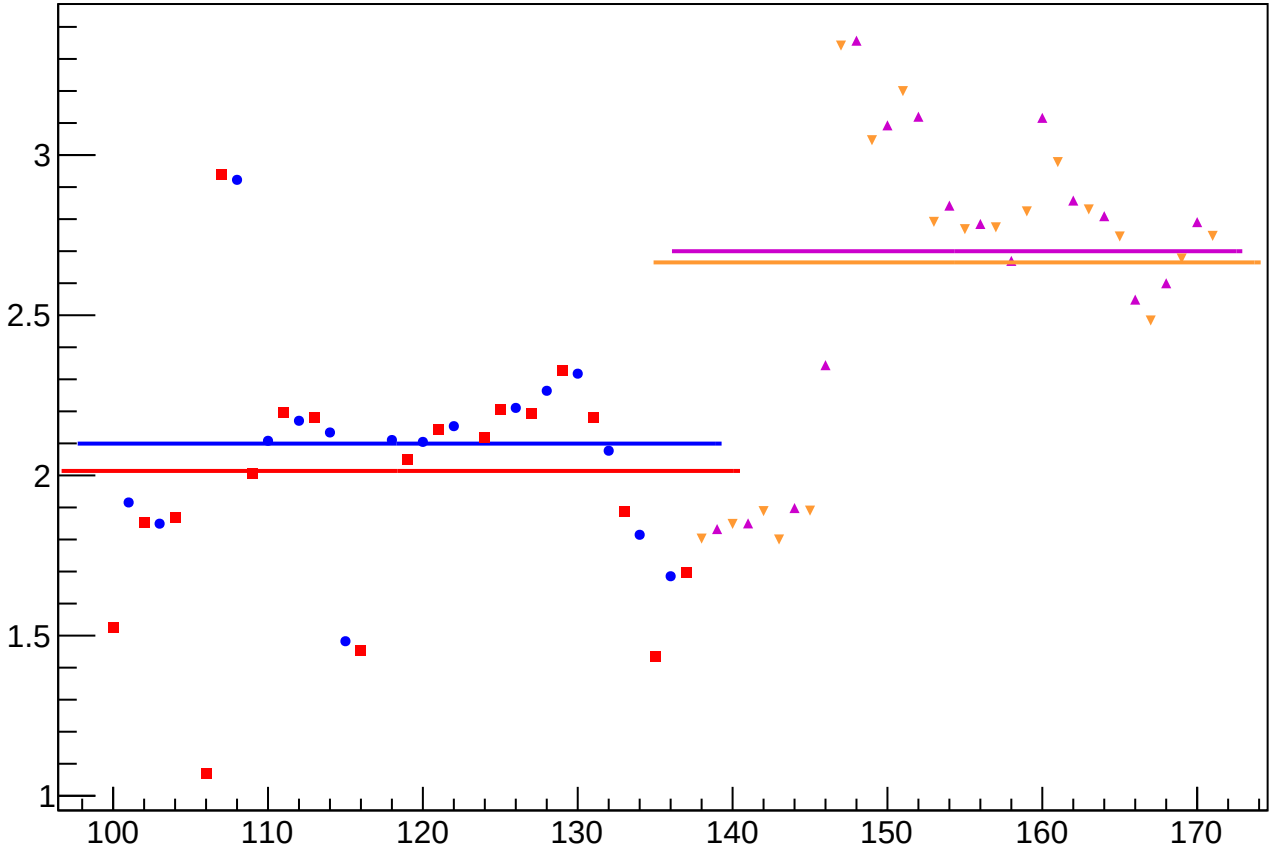
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2767142.0/31

Out: 0.006+/-0.000 χ^2/NDF:2593493.4/36

All: 0.006+/-0.000 χ^2/NDF: 5364872.4/68

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: 2.700+/-0.000 χ^2/NDF:36760675635.7/15

Left: 2.682+/-0.000 χ^2/NDF: 80423912106.2/33

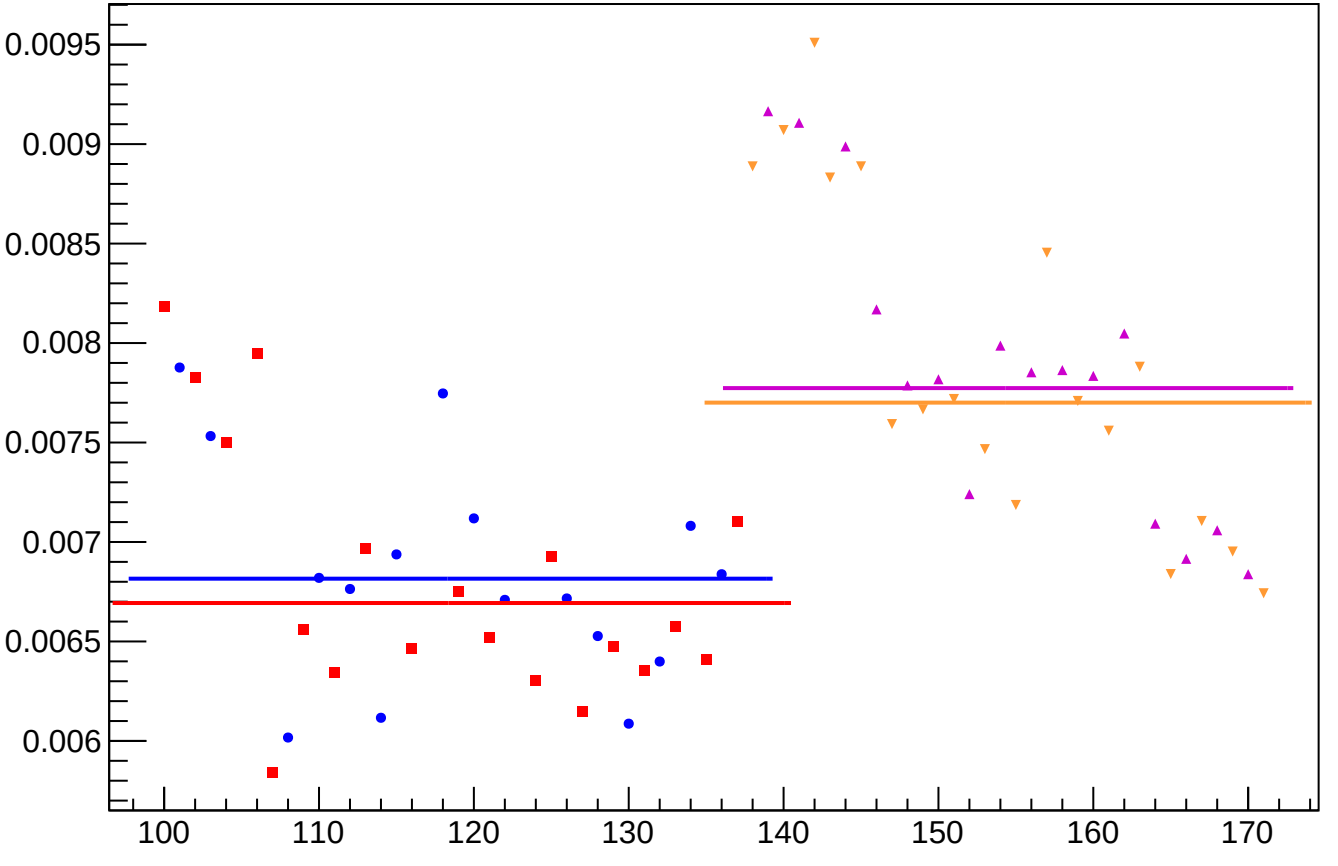
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.450+/-0.000 χ^2/NDF:81600098904.4/31

Out: 2.394+/-0.000 χ^2/NDF:102602211479.8/36

All: 2.421+/-0.000 χ^2/NDF: 184764489687.1

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:194225.8/15

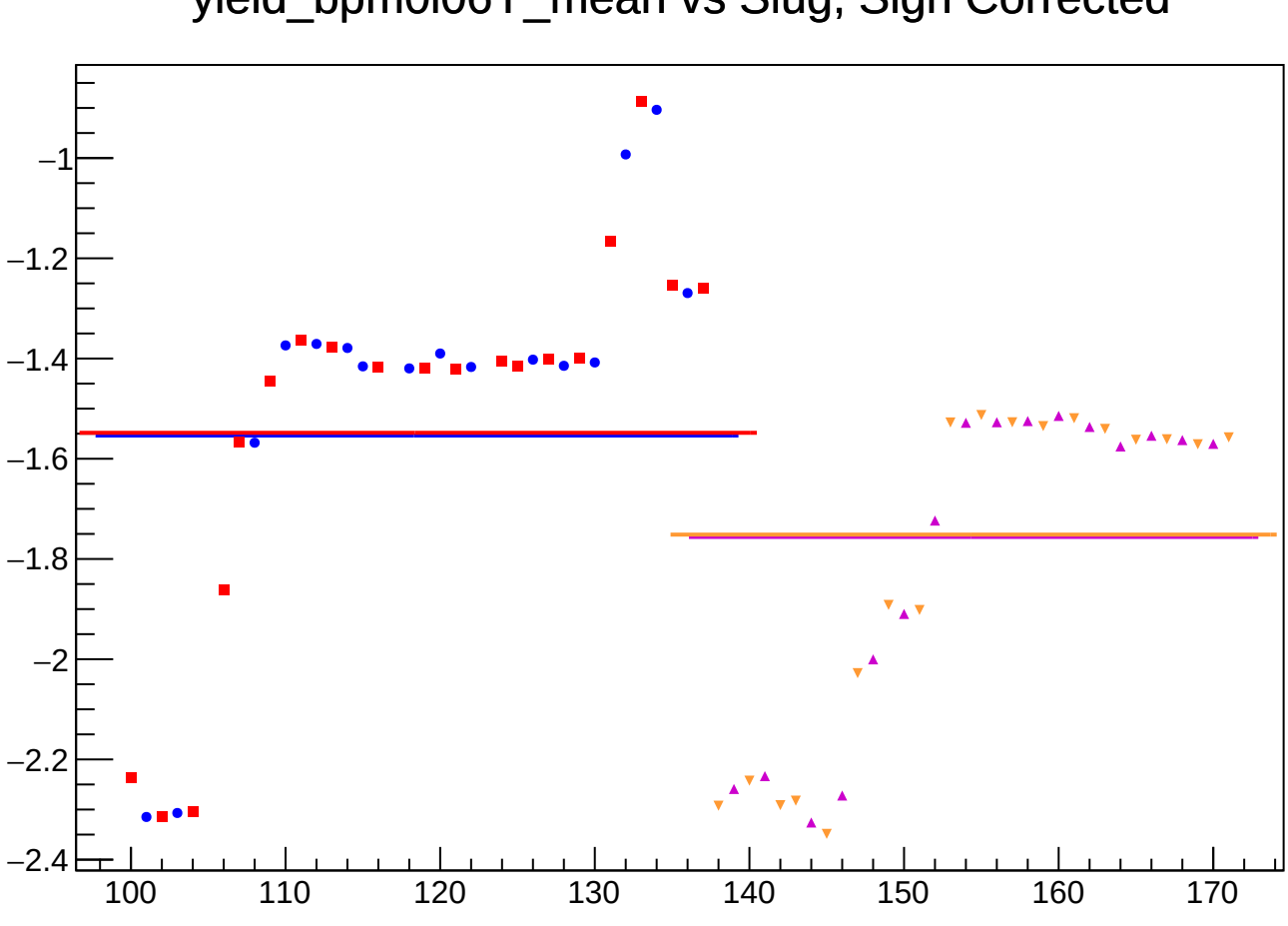
Left: 0.008+/-0.000 χ^2/NDF: 439398.7/33

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:438332.6/31

Out: 0.007+/-0.000 χ^2/NDF:520887.3/36

All: 0.007+/-0.000 χ^2/NDF: 962370.2/68



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.751+/-0.000 χ^2/NDF:142742164504.5/17

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.756+/-0.000 χ^2/NDF:126400665831.3/15

Left: -1.754+/-0.000 χ^2/NDF: 269158376349.5/33

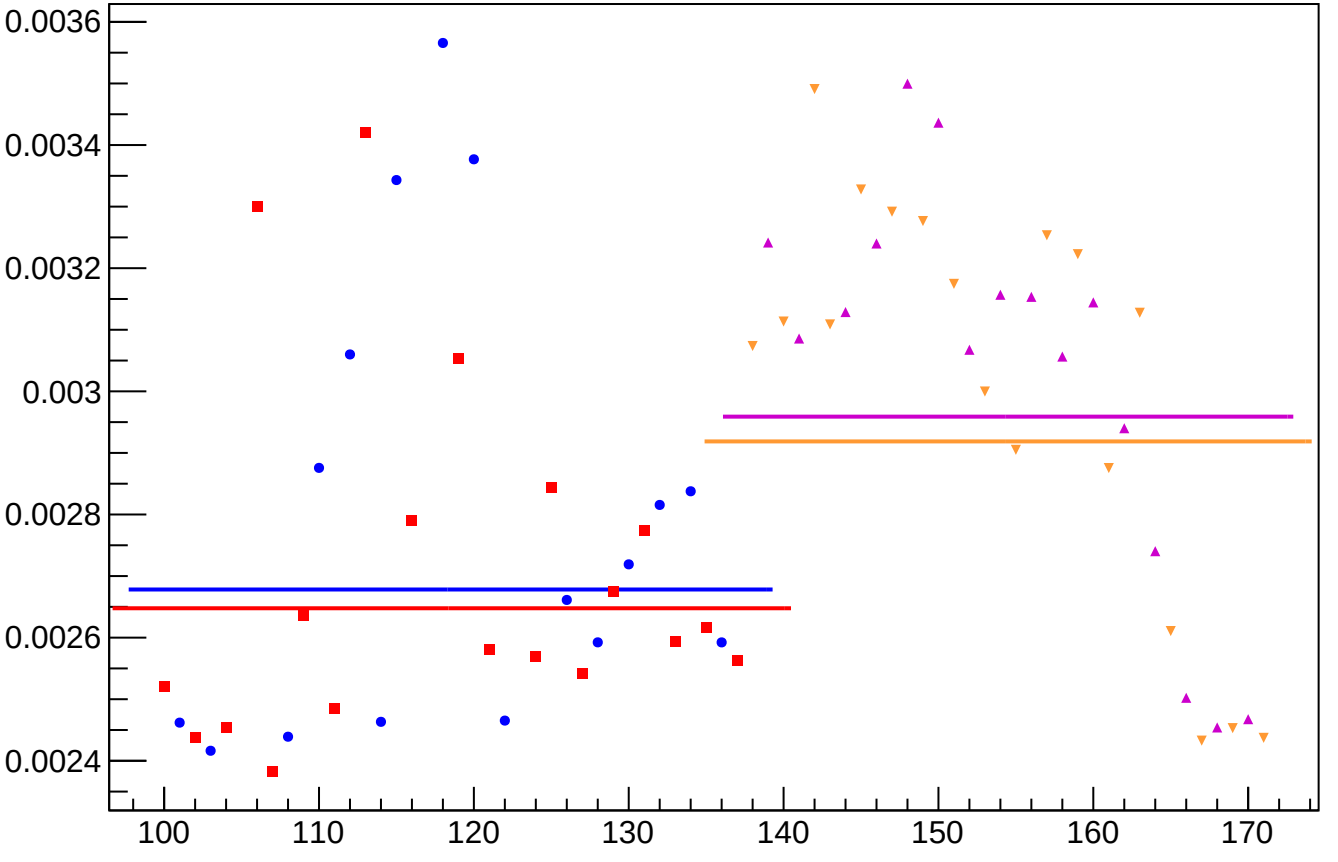
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.675+/-0.000 χ^2/NDF:324493059933.8/31

Out: -1.671+/-0.000 χ^2/NDF:342462972524.4/36

All: -1.673+/-0.000 χ^2/NDF: 666971518914.3

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:301552.9/15

Left: 0.003+/-0.000 χ^2/NDF: 648041.8/33

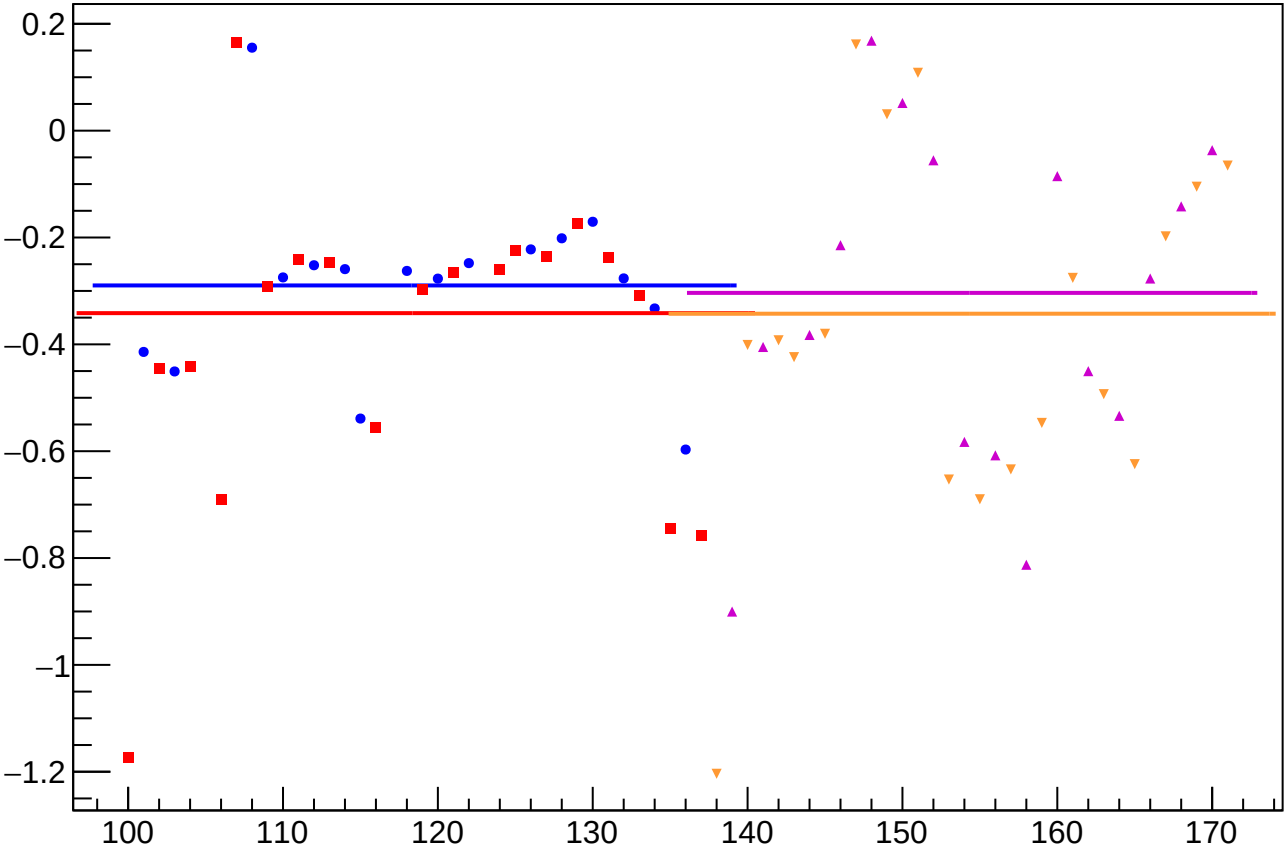
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:547626.3/31

Out: 0.003+/-0.000 χ^2/NDF:549135.3/36

All: 0.003+/-0.000 χ^2/NDF: 1099643.7/68

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: -0.304+/-0.000 χ^2/NDF:6546066955.0/15

Left: -0.324+/-0.000 χ^2/NDF: 15005833334.2/33

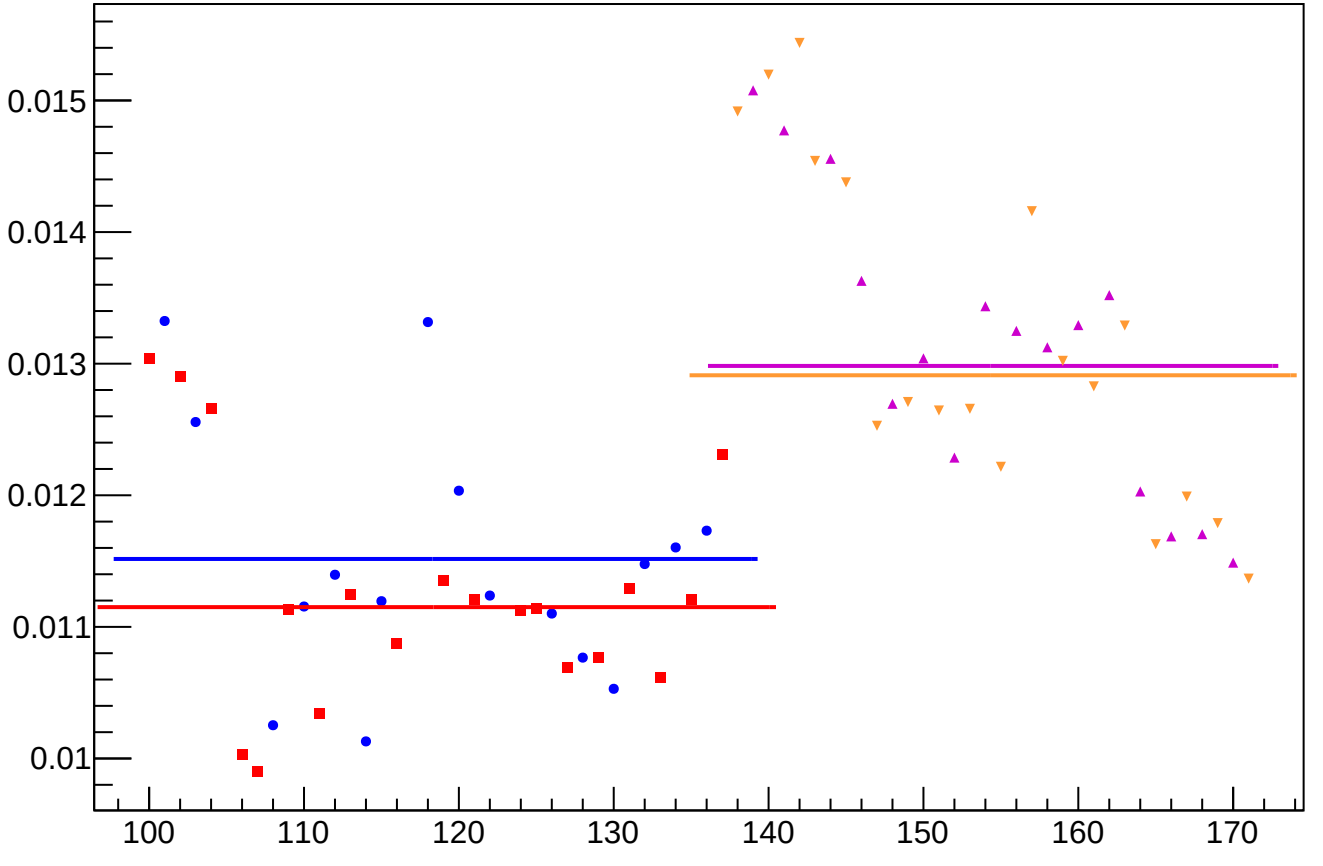
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.298+/-0.000 χ^2/NDF:8197168958.3/31

Out: -0.342+/-0.000 χ^2/NDF:11010746237.7/36

All: -0.321+/-0.000 χ^2/NDF: 19337267722.9/

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:157955.6/15

Left: 0.013+/-0.000 χ^2/NDF: 362891.0/33

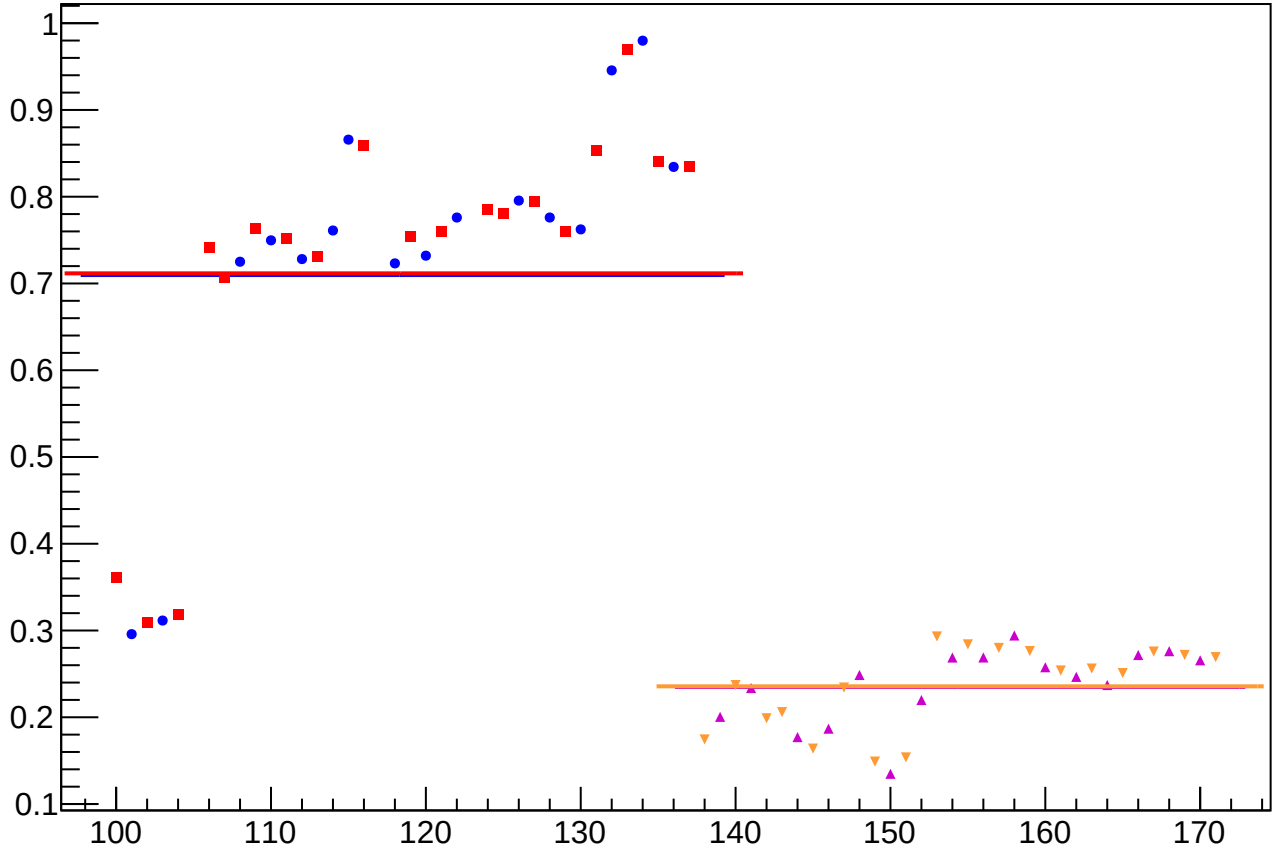
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:373567.5/31

Out: 0.012+/-0.000 χ^2/NDF:484594.7/36

All: 0.012+/-0.000 χ^2/NDF: 863747.2/68

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: 0.235+/-0.000 χ^2/NDF:5211398684.4/15

Left: 0.235+/-0.000 χ^2/NDF: 11927441273.8/33

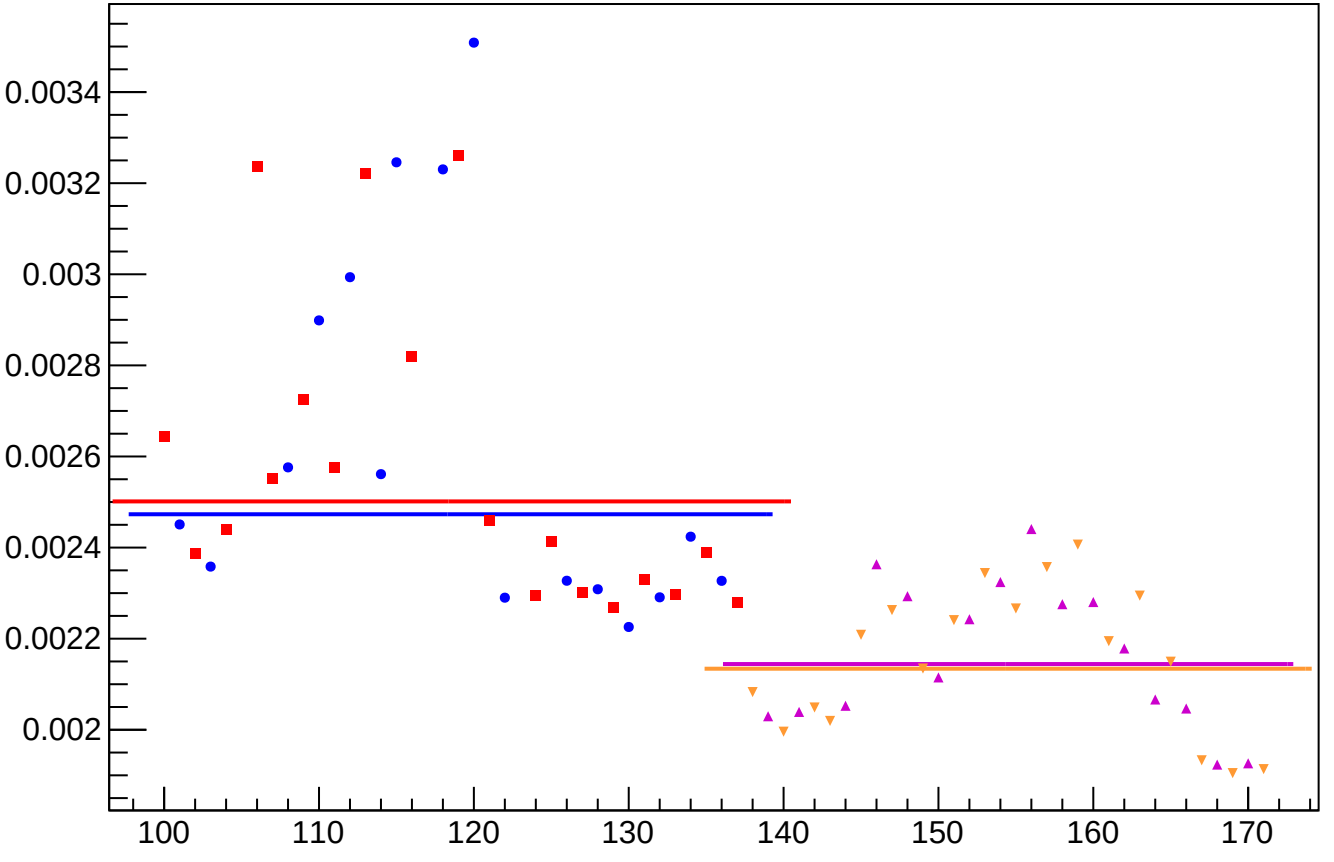
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.369+/-0.000 χ^2/NDF:234484256569.5/31

Out: 0.363+/-0.000 χ^2/NDF:237487097070.0/36

All: 0.366+/-0.000 χ^2/NDF: 472045270173.0

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:133558.4/15

Left: 0.002+/-0.000 χ^2/NDF: 287290.4/33

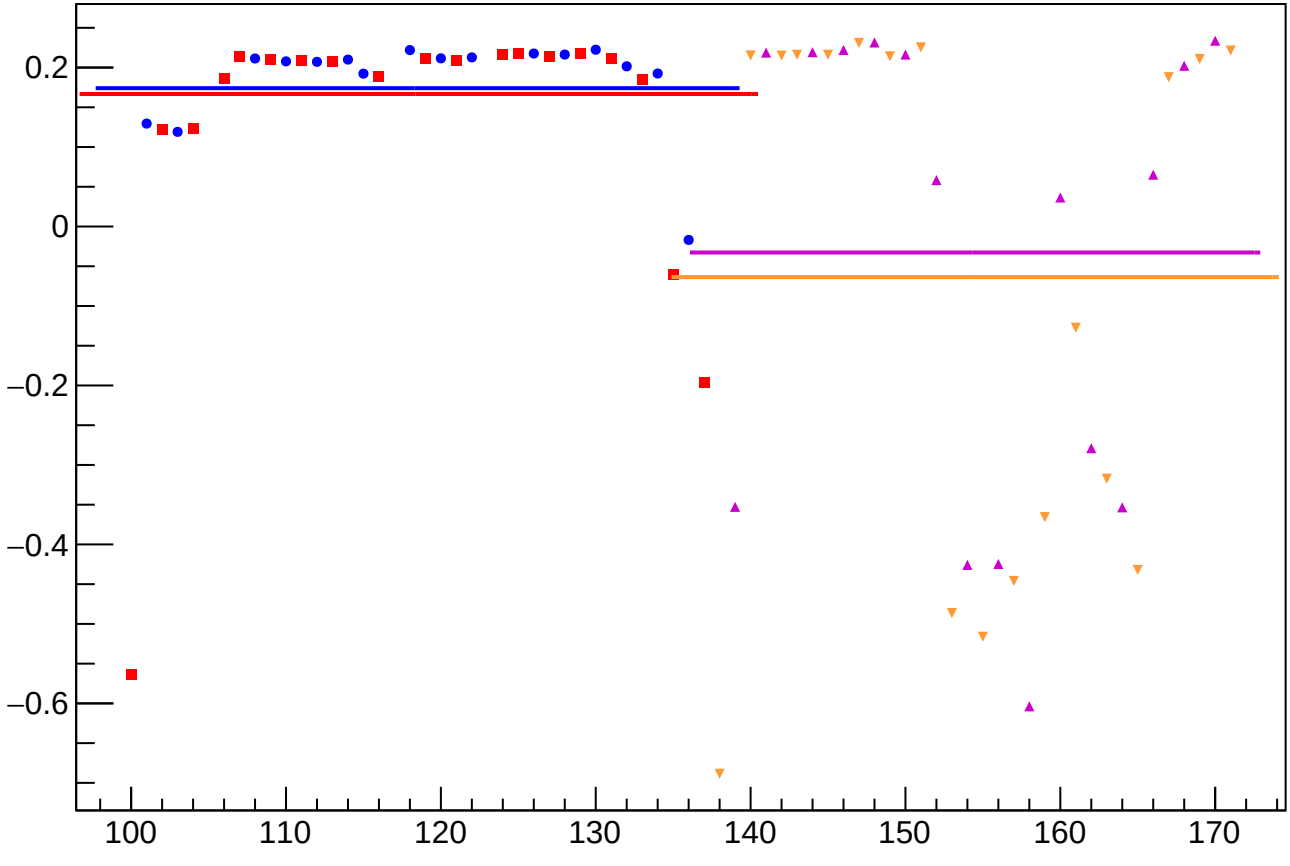
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:514600.0/31

Out: 0.002+/-0.000 χ^2/NDF:553058.9/36

All: 0.002+/-0.000 χ^2/NDF: 1067756.0/68

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: -0.033+/-0.000 χ^2/NDF:7714884855.0/15

Left: -0.049+/-0.000 χ^2/NDF: 18214694254.0/33

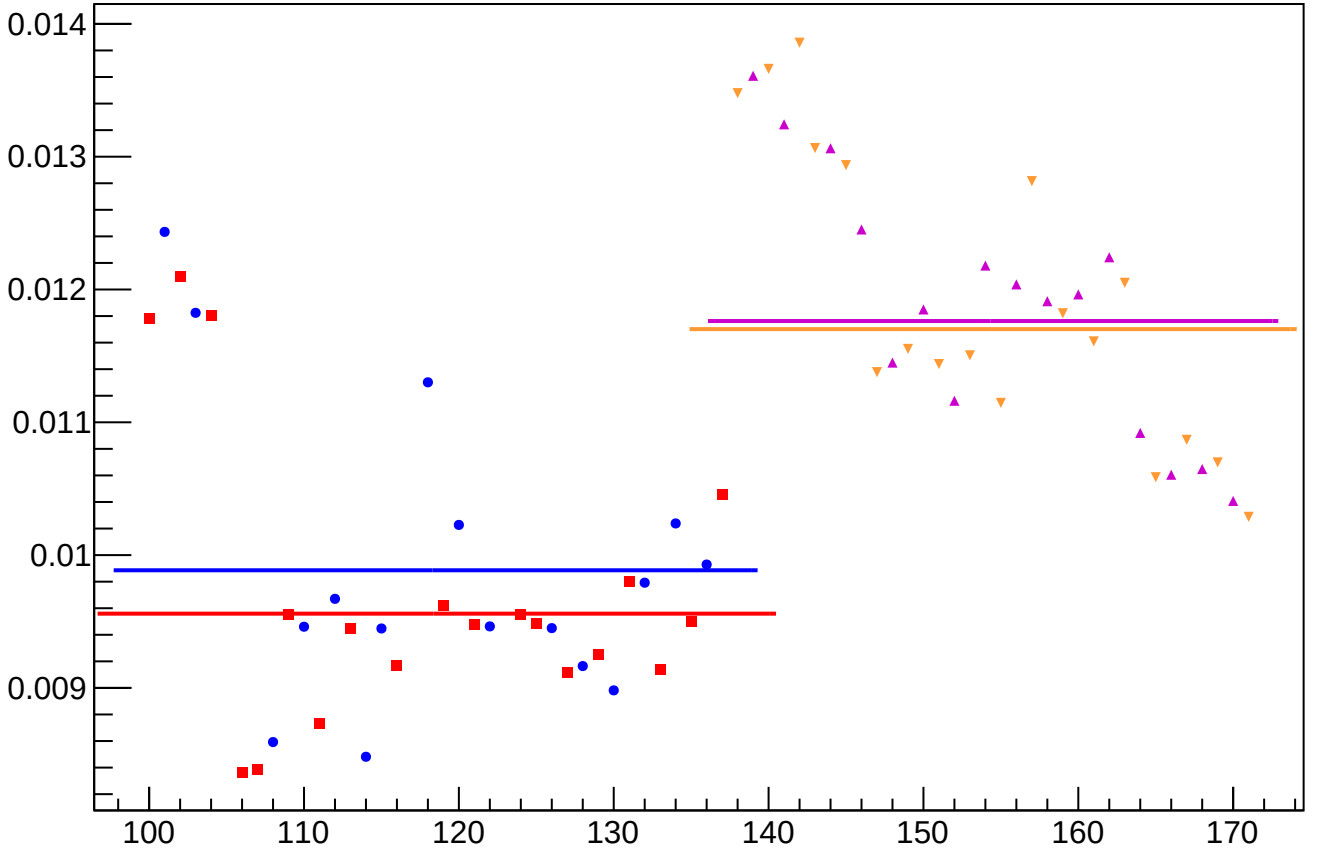
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.058+/-0.000 χ^2/NDF:9802082938.7/31

Out: 0.039+/-0.000 χ^2/NDF:13665023043.4/36

All: 0.048+/-0.000 χ^2/NDF: 23496650540.1/6

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:148946.6/15

Left: 0.012+/-0.000 χ^2/NDF: 340804.6/33

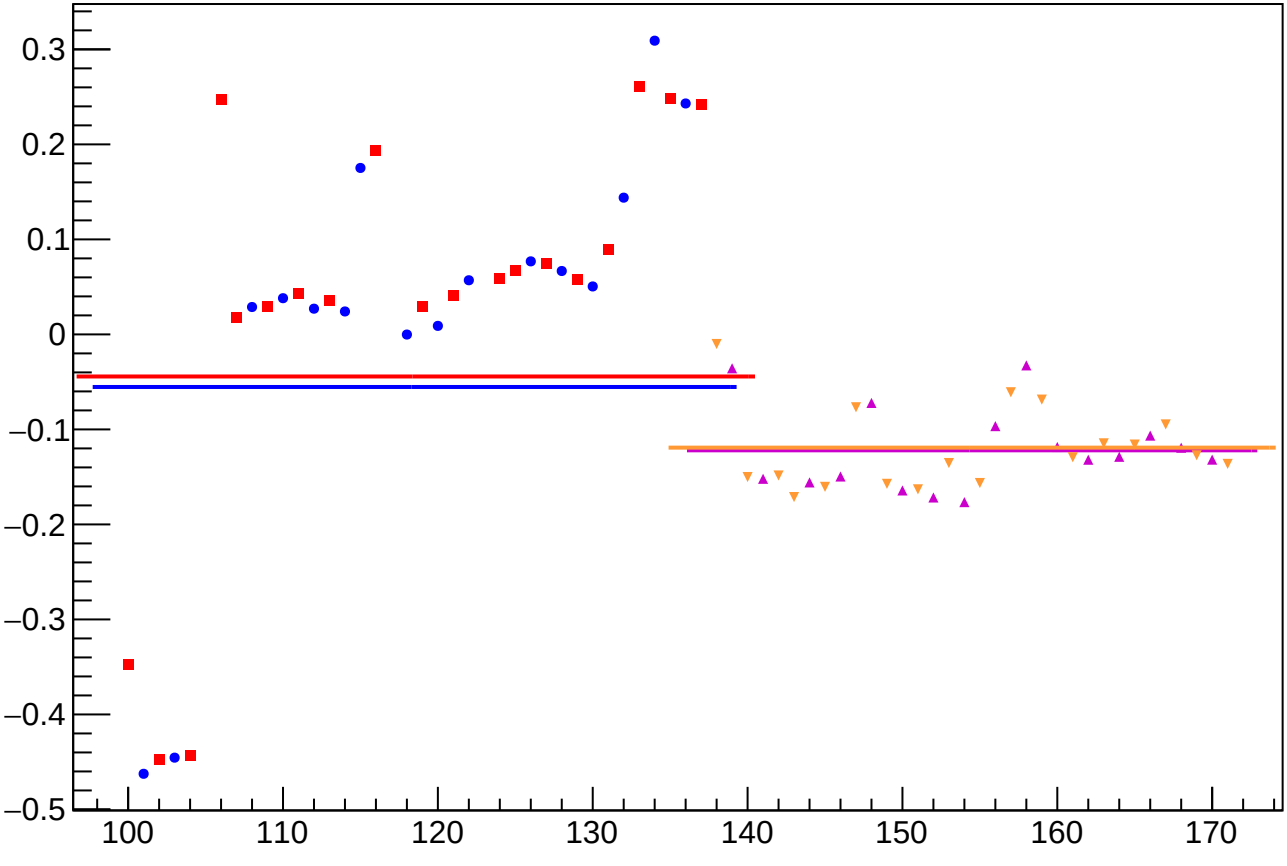
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:575234.0/31

Out: 0.011+/-0.000 χ^2/NDF:728379.7/36

All: 0.011+/-0.000 χ^2/NDF: 1309951.4/68

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: -0.122+/-0.000 χ^2/NDF:2773256610.7/15

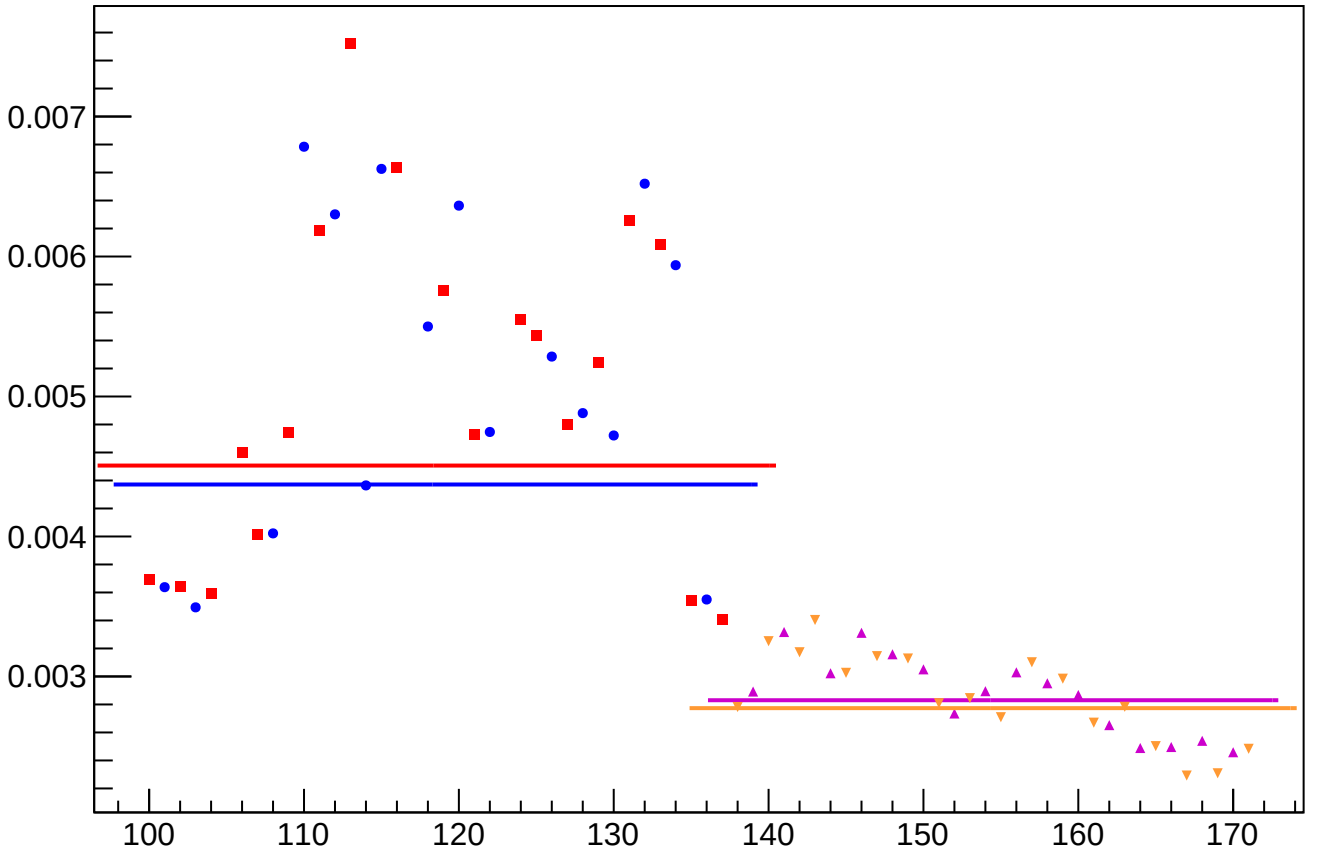
Left: -0.121+/-0.000 χ^2/NDF: 5630965078.0/33

Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.111+/-0.000 χ^2/NDF:28032879645.0/31

Out: -0.108+/-0.000 χ^2/NDF:26482401323.2/36

All: -0.109+/-0.000 χ^2/NDF: 54523651151.2/



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:221456.2/15

Left: 0.003+/-0.000 χ^2/NDF: 576474.5/33

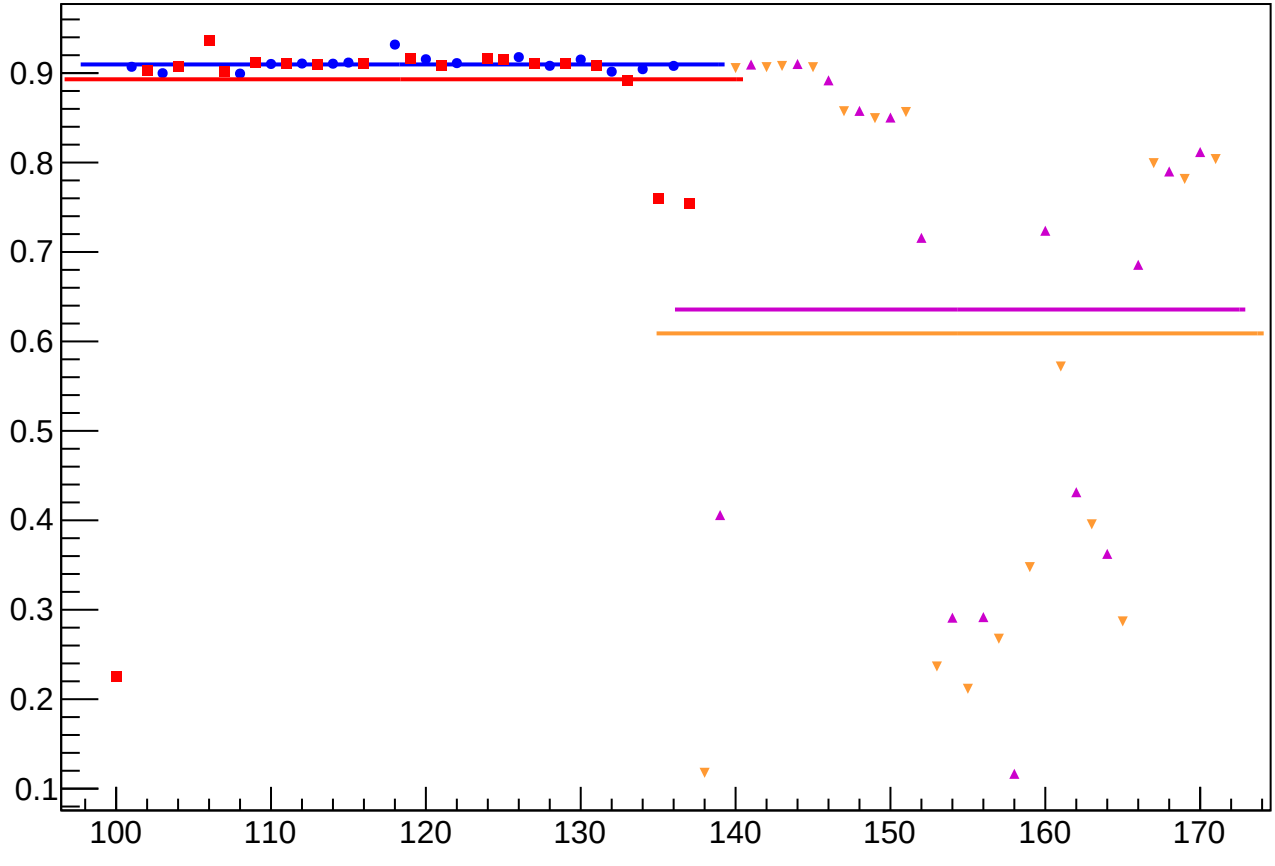
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2140400.3/31

Out: 0.003+/-0.000 χ^2/NDF:2655621.0/36

All: 0.003+/-0.000 χ^2/NDF: 4801796.8/68

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: 0.636+/-0.000 χ^2/NDF:6241448033.2/15

Left: 0.622+/-0.000 χ^2/NDF: 14446178508.3/33

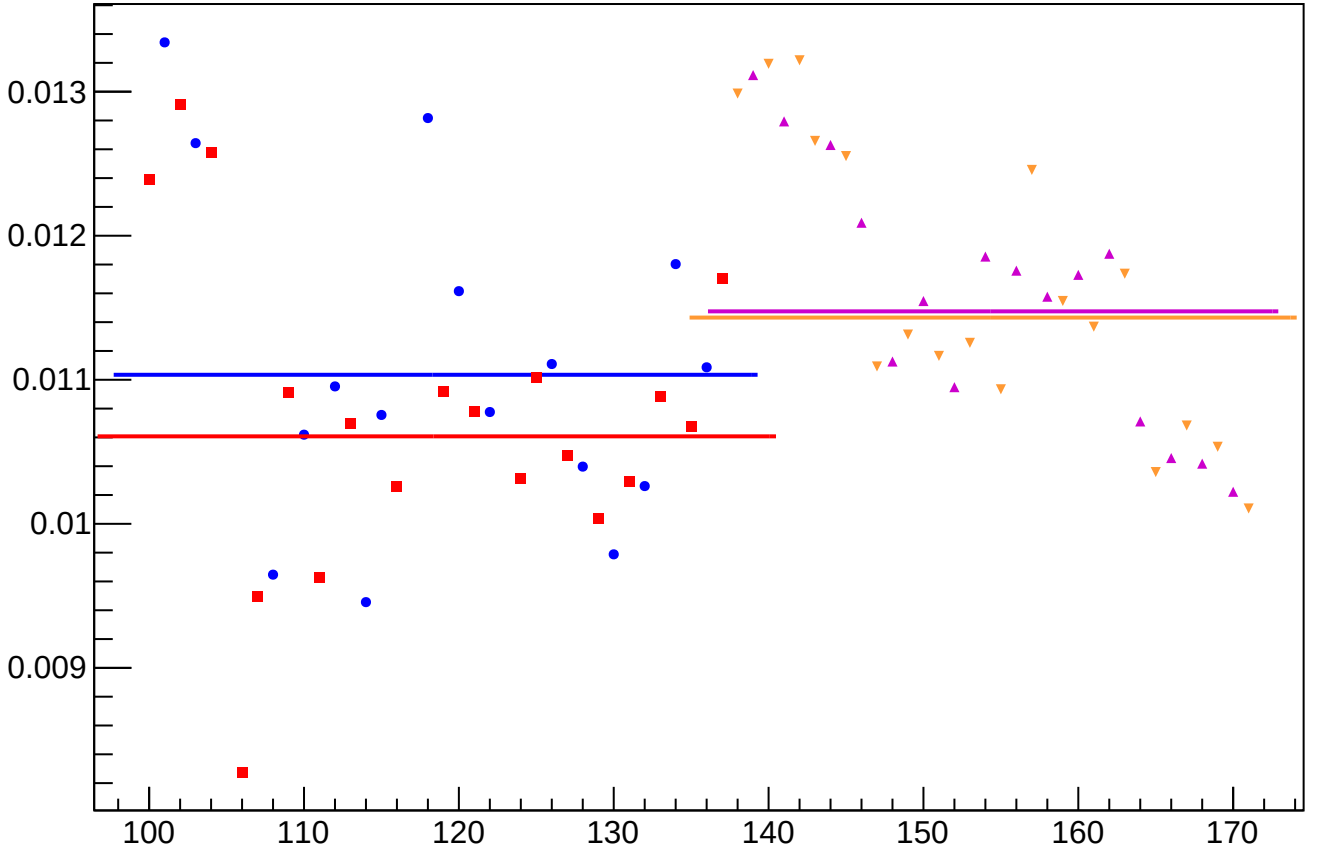
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.738+/-0.000 χ^2/NDF:8902981731.4/31

Out: 0.718+/-0.000 χ^2/NDF:11686511232.8/36

All: 0.727+/-0.000 χ^2/NDF: 20620872564.2/6

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:129744.8/15

Left: 0.011+/-0.000 χ^2/NDF: 296418.4/33

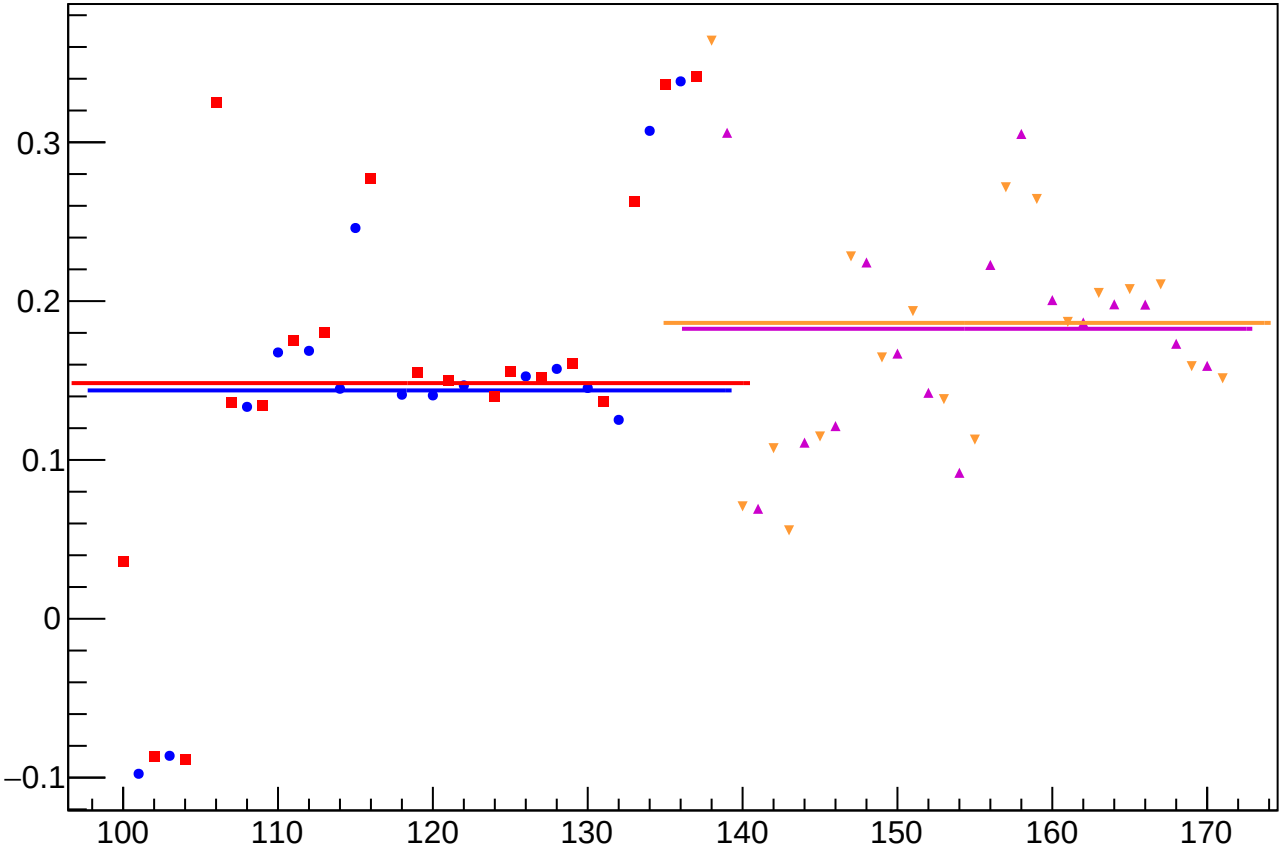
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:273828.9/31

Out: 0.011+/-0.000 χ^2/NDF:364163.7/36

All: 0.011+/-0.000 χ^2/NDF: 644040.5/68

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: 0.183+/-0.000 χ^2/NDF:4497284191.1/15

Left: 0.185+/-0.000 χ^2/NDF: 10738587575.5/33

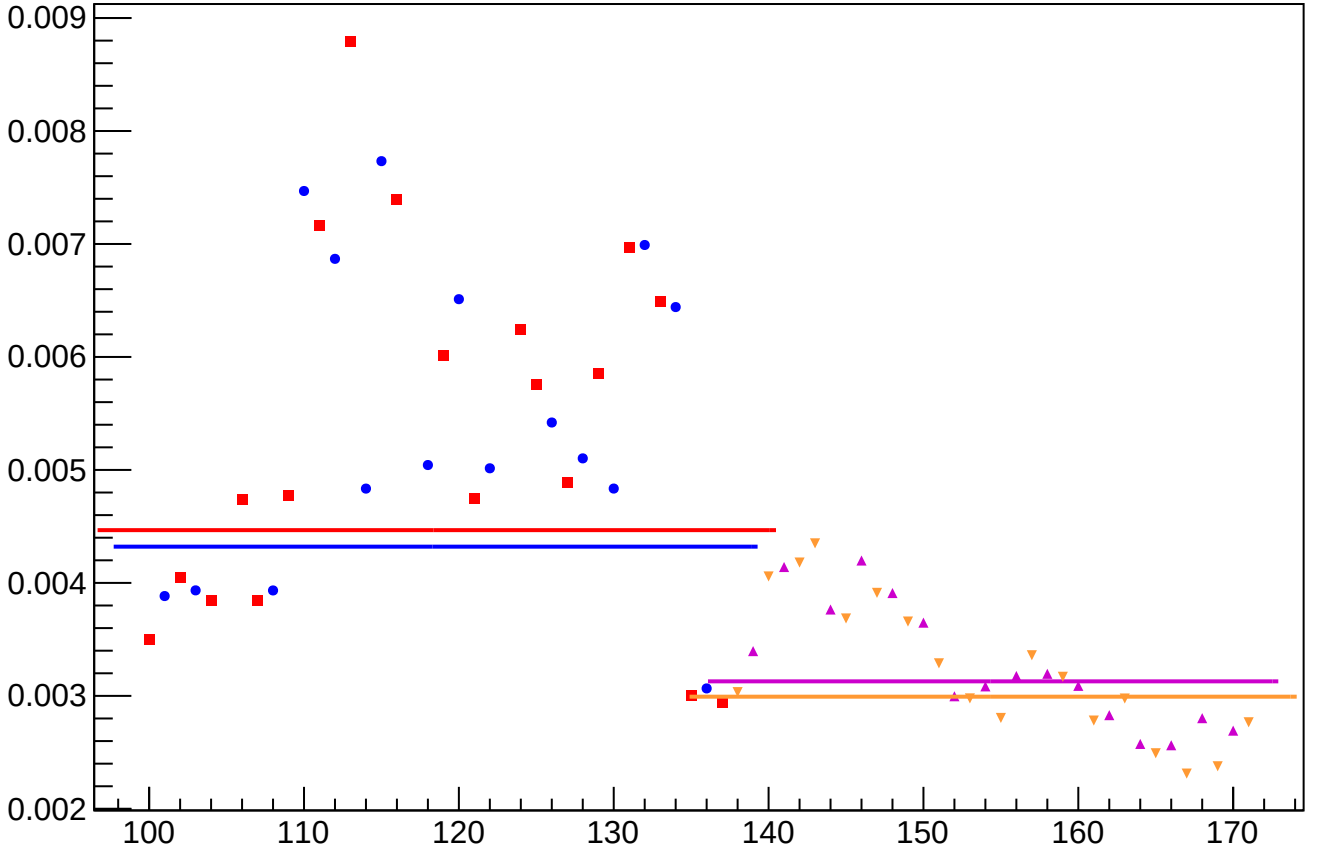
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.175+/-0.000 χ^2/NDF:12733568162.3/31

Out: 0.180+/-0.000 χ^2/NDF:13714922039.3/36

All: 0.177+/-0.000 χ^2/NDF: 26468723519.1/6

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:530144.0/15

Left: 0.003+/-0.000 χ^2/NDF: 1393066.3/33

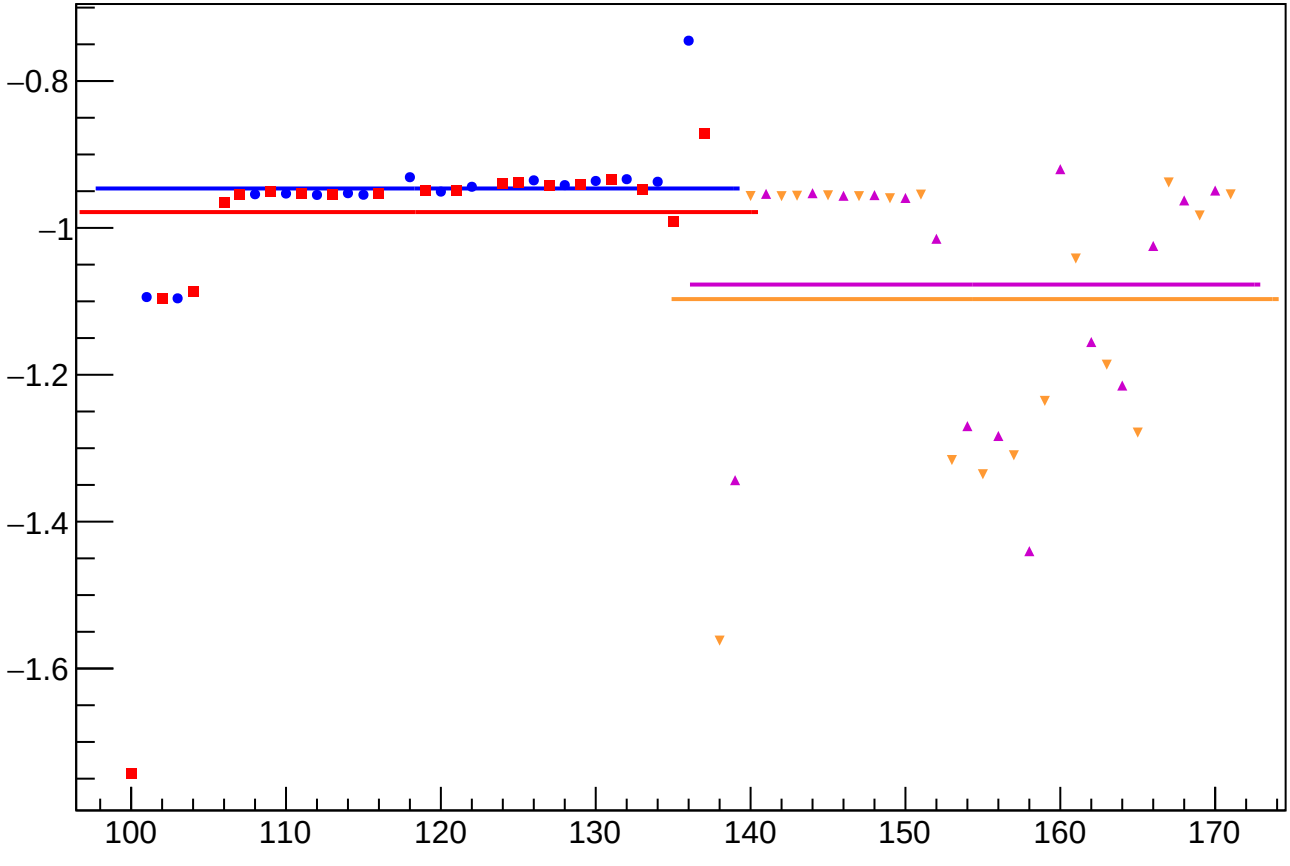
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2105460.3/31

Out: 0.003+/-0.000 χ^2/NDF:2995143.7/36

All: 0.003+/-0.000 χ^2/NDF: 5124696.9/68

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: -1.077+/-0.000 χ^2/NDF:3288990665.0/15

Left: -1.087+/-0.000 χ^2/NDF: 7525983243.7/33

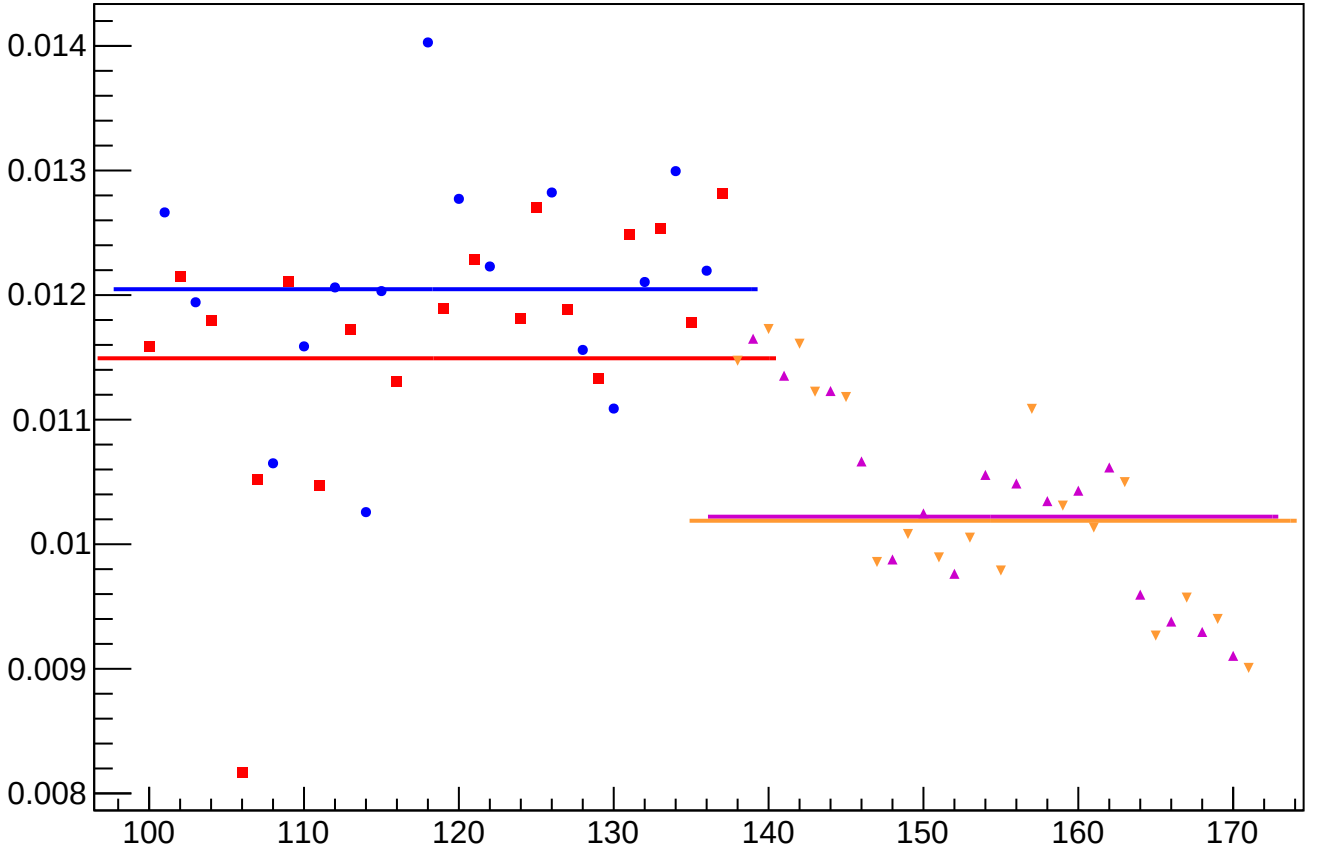
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.040+/-0.000 χ^2/NDF:4275448583.7/31

Out: -1.062+/-0.000 χ^2/NDF:5211372926.1/36

All: -1.052+/-0.000 χ^2/NDF: 9529064889.8/6

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:123874.4/15

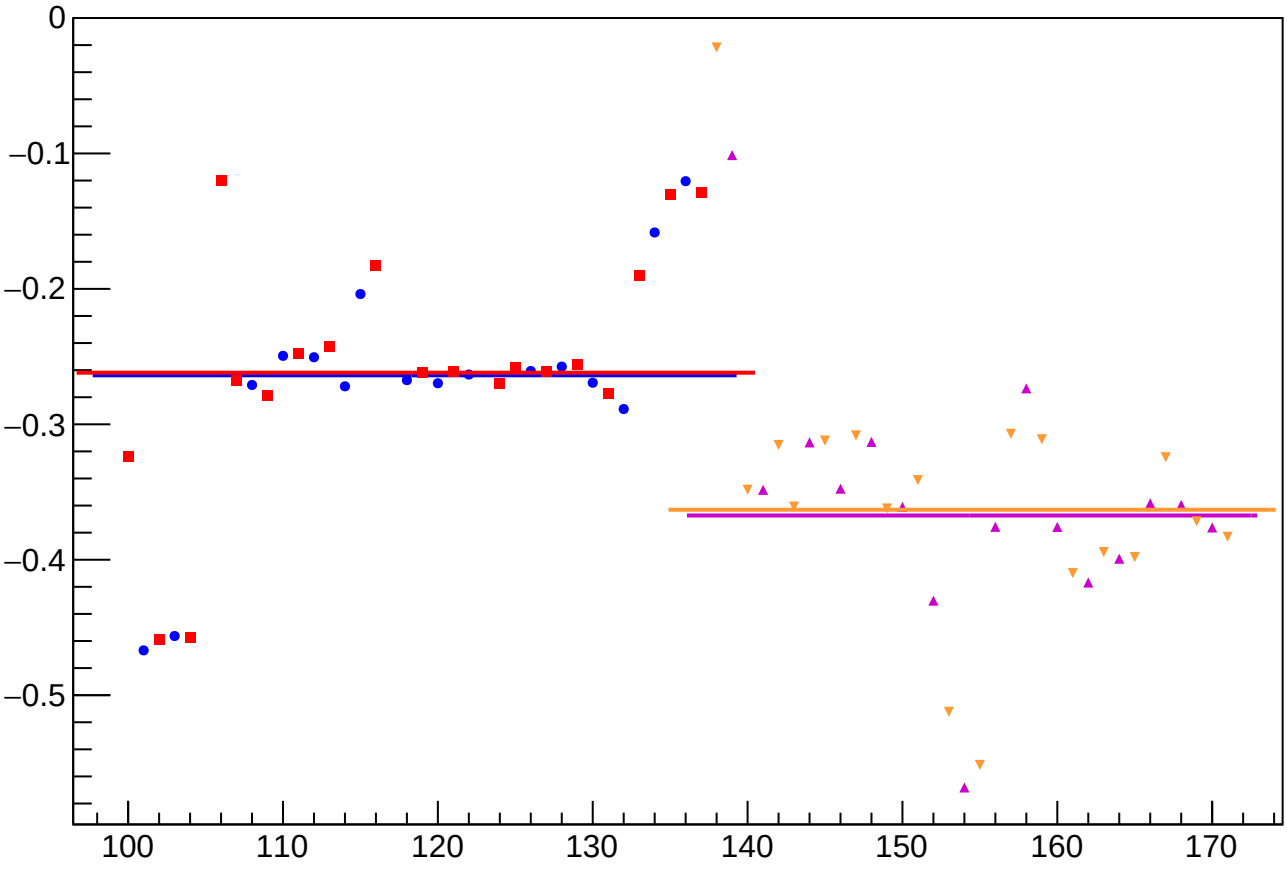
Left: 0.010+/-0.000 χ^2/NDF: 281722.7/33

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

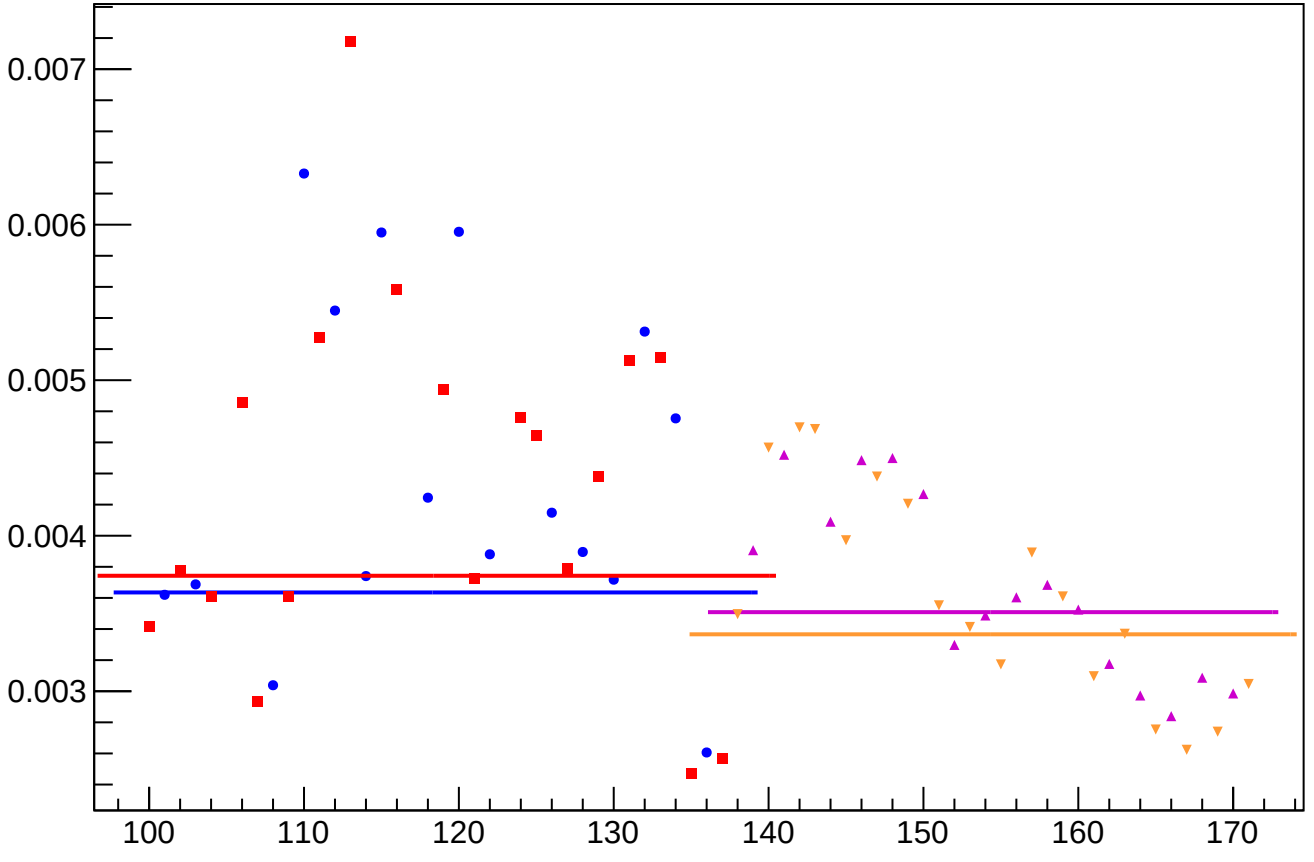
In: 0.011+/-0.000 χ^2/NDF:413047.9/31

Out: 0.011+/-0.000 χ^2/NDF:439313.2/36

All: 0.011+/-0.000 χ^2/NDF: 857136.8/68


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.363+/-0.000 χ²/NDF:11880438941.9/17
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.367+/-0.000 χ²/NDF:7561366458.1/15
Left: -0.365+/-0.000 χ²/NDF: 19451068804.2/33
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.335+/-0.000 χ²/NDF:16880870599.1/31
Out: -0.335+/-0.000 χ²/NDF:20313005533.6/36
All: -0.335+/-0.000 χ²/NDF: 37193889827.6/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:781367.0/17

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.004+/-0.000 χ^2/NDF:519140.9/15

Left: 0.003+/-0.000 χ^2/NDF: 1321489.5/33

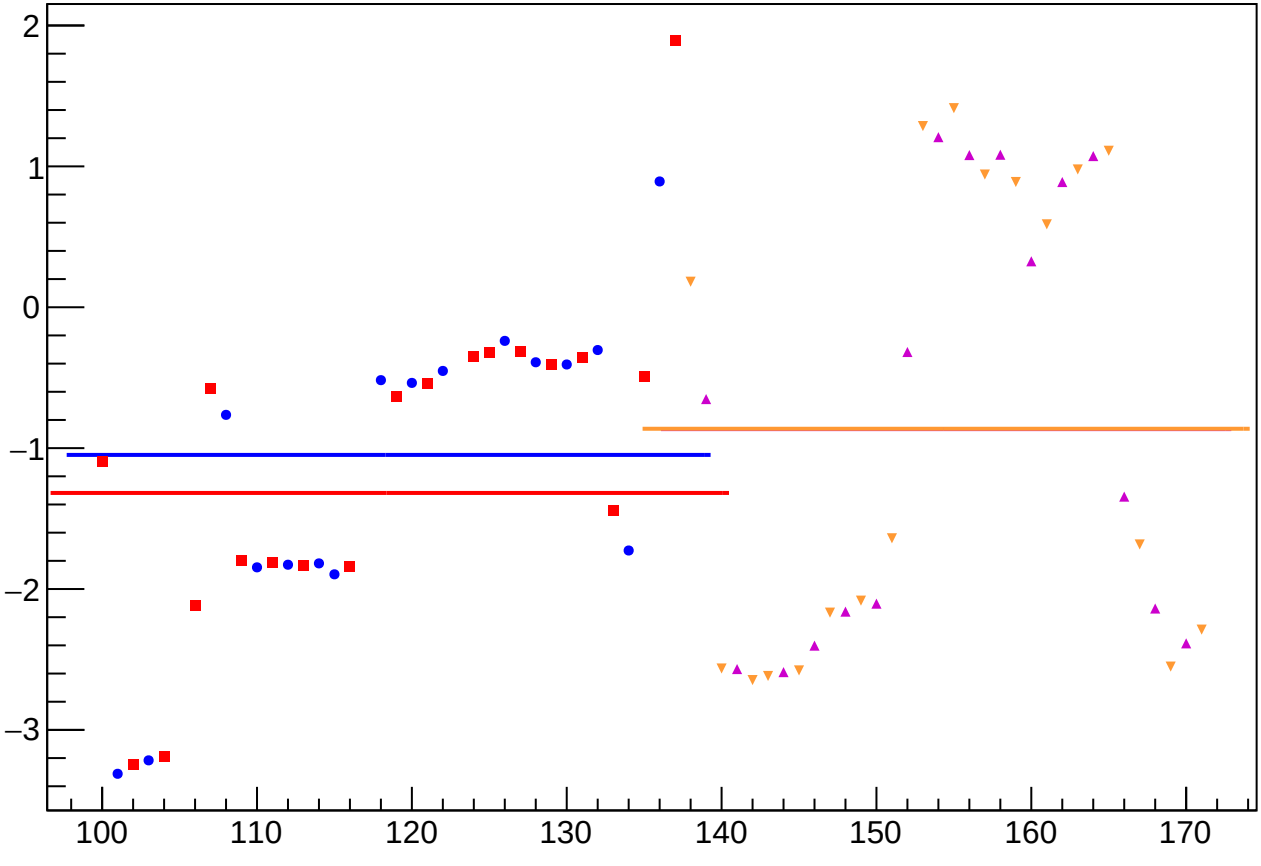
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.004+/-0.000 χ^2/NDF:1257369.0/31

Out: 0.003+/-0.000 χ^2/NDF:1763634.3/36

All: 0.004+/-0.000 χ^2/NDF: 3029909.8/68

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: -0.865+/-0.000 χ^2/NDF:5148890387.0/15

Left: -0.864+/-0.000 χ^2/NDF: 11675370415.7/33

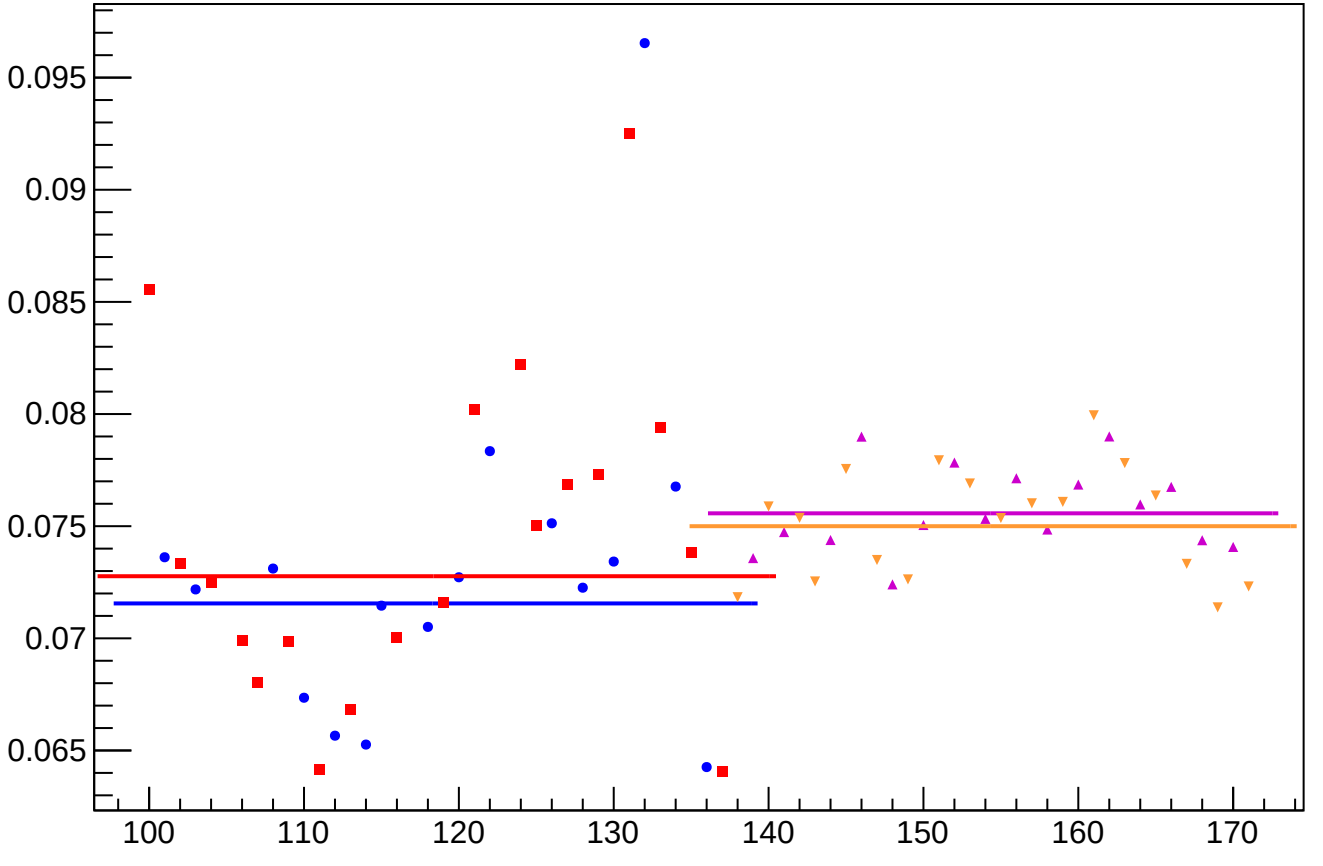
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -0.934+/-0.000 χ^2/NDF:7524526665.9/31

Out: -1.024+/-0.000 χ^2/NDF:8558059740.1/36

All: -0.980+/-0.000 χ^2/NDF: 16097860244.6/

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: 0.076+/-0.000 χ^2/NDF:15351.2/15

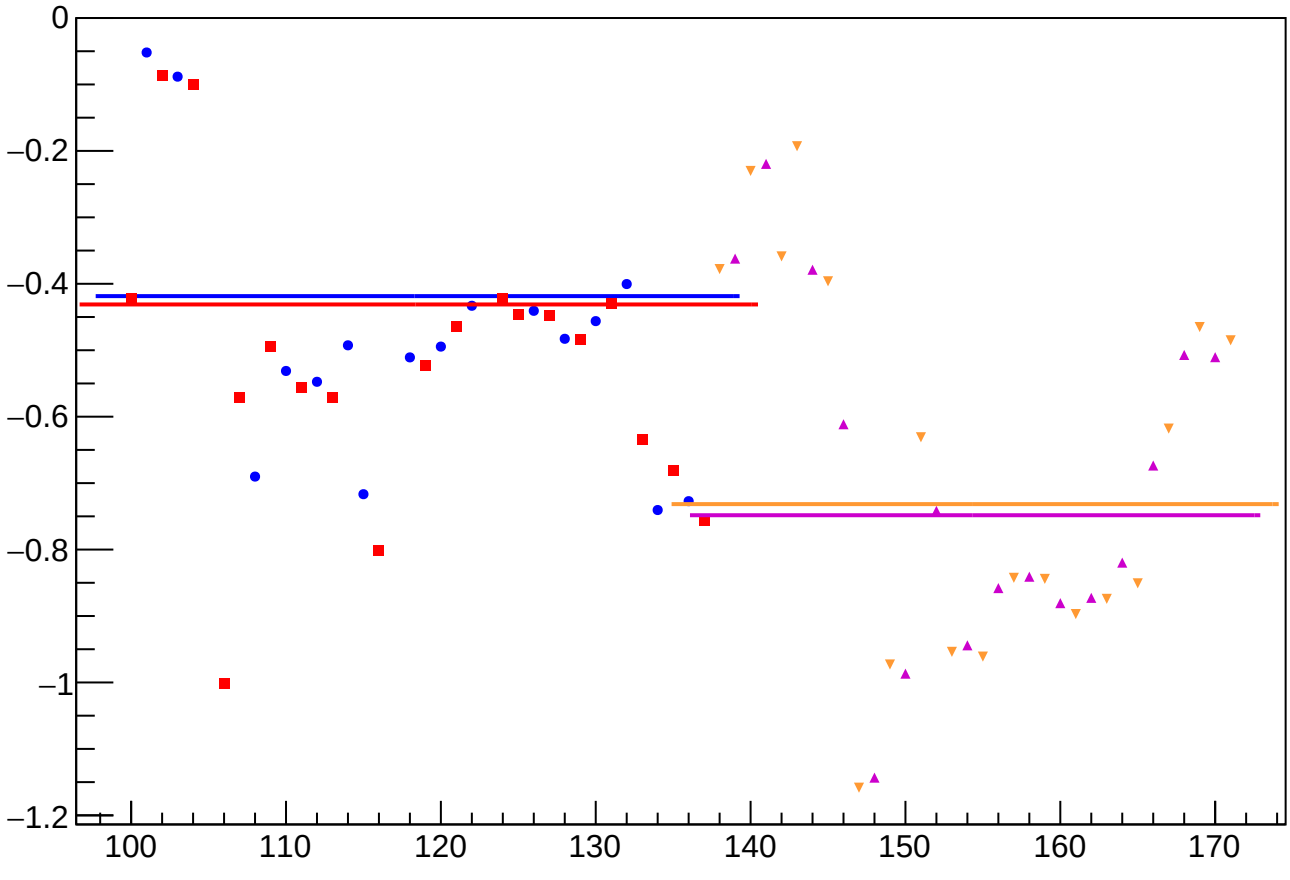
Left: 0.075+/-0.000 χ^2/NDF: 45412.0/33

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:144140.7/31

Out: 0.074+/-0.000 χ^2/NDF:134950.7/36

All: 0.074+/-0.000 χ^2/NDF: 279172.3/68



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: -0.748+/-0.000 χ^2/NDF:13116742896.6/15

Left: -0.739+/-0.000 χ^2/NDF: 31362301918.1/33

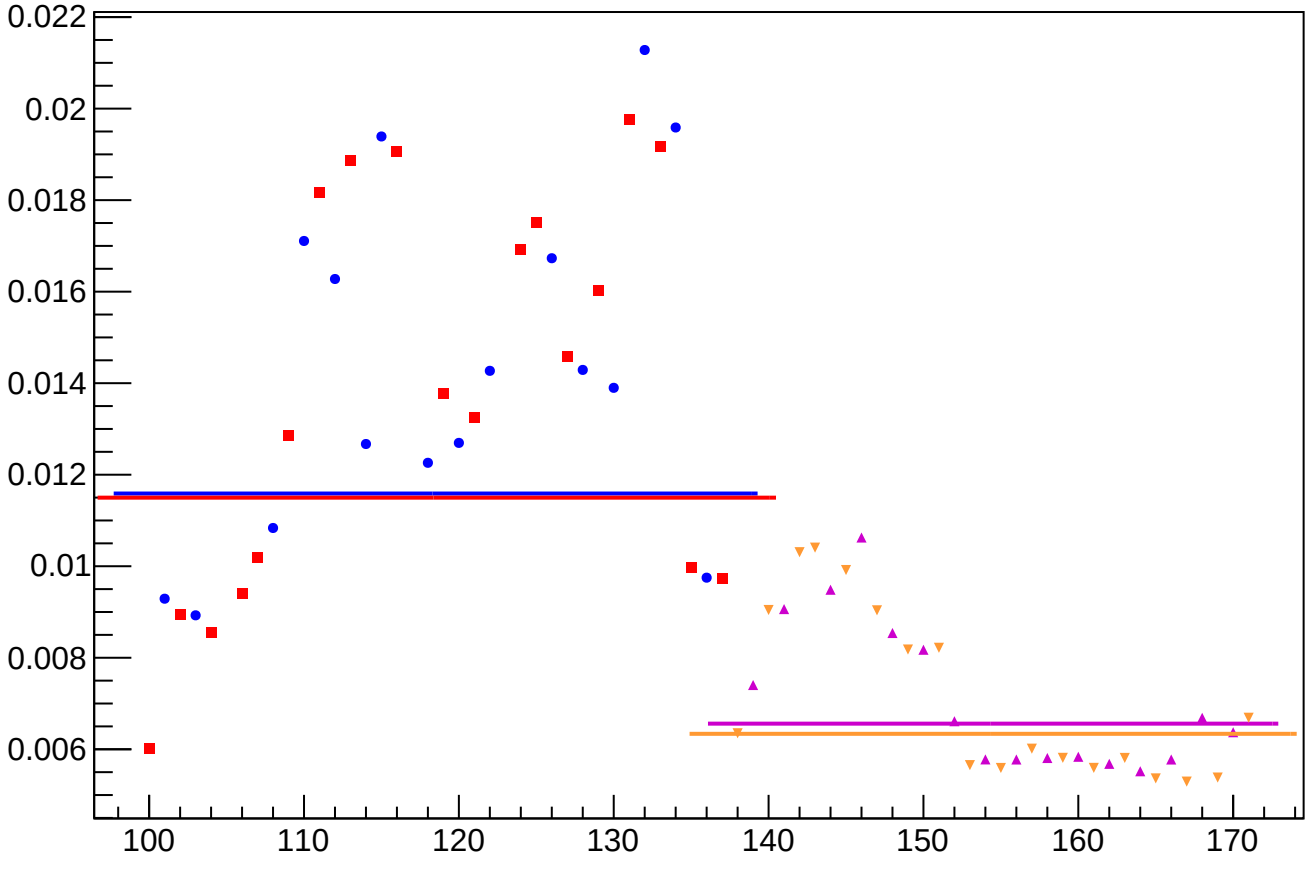
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.703+/-0.000 χ^2/NDF:20349987076.3/31

Out: -0.694+/-0.000 χ^2/NDF:24992298425.2/36

All: -0.698+/-0.000 χ^2/NDF: 45355111829.8/

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:876810.6/15

Left: 0.006+/-0.000 χ^2/NDF: 2108775.9/33

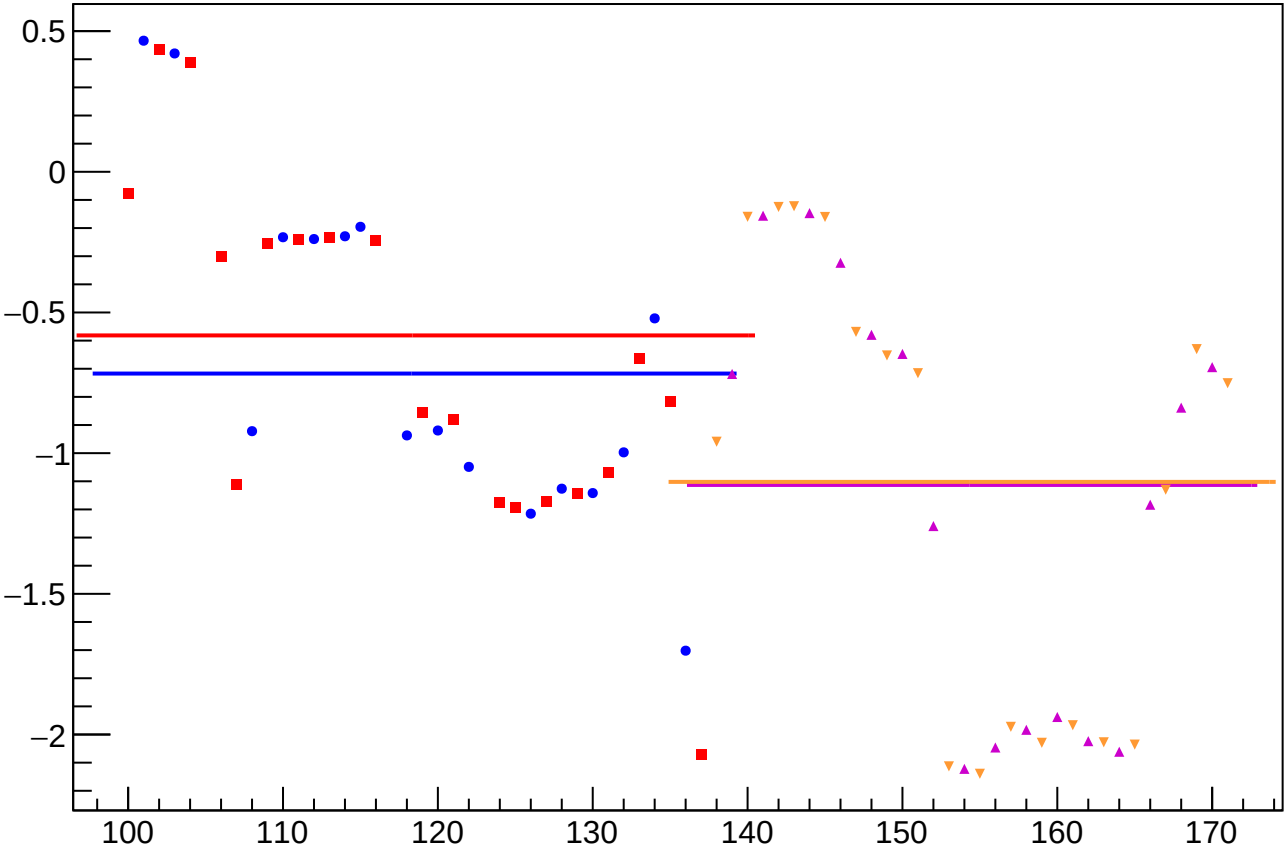
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3598231.7/31

Out: 0.007+/-0.000 χ^2/NDF:4500881.1/36

All: 0.007+/-0.000 χ^2/NDF: 8124679.6/68

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: -1.113+/-0.000 χ^2/NDF:934622130.9/15

Left: -1.107+/-0.000 χ^2/NDF: 2051076214.2/33

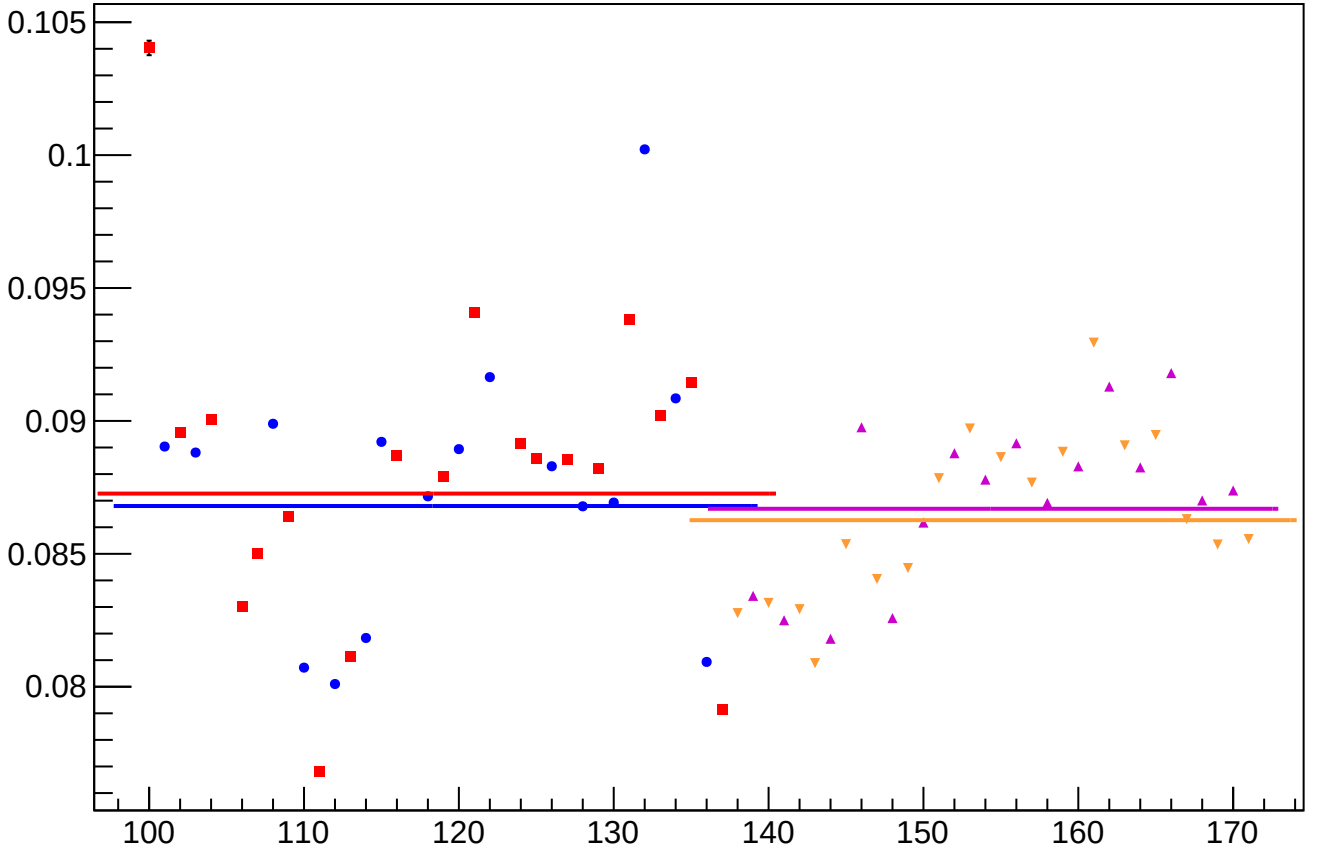
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.973+/-0.000 χ^2/NDF:1468530234.1/31

Out: -0.925+/-0.000 χ^2/NDF:1633374287.1/36

All: -0.948+/-0.000 χ^2/NDF: 3105071847.7/6

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:30817.6/15

Left: 0.086+/-0.000 χ^2/NDF: 64839.9/33

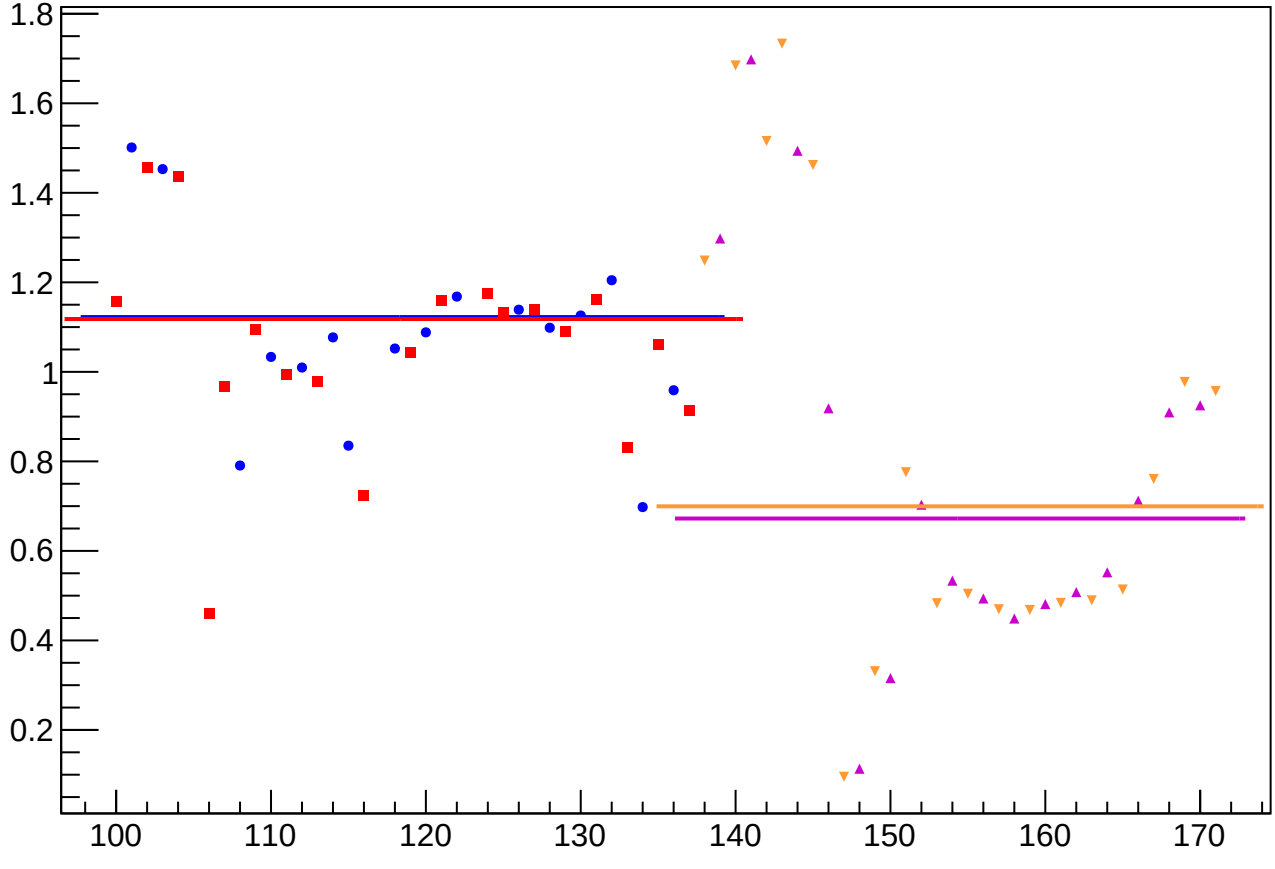
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.087+/-0.000 χ^2/NDF:74406.7/31

Out: 0.087+/-0.000 χ^2/NDF:81143.8/36

All: 0.087+/-0.000 χ^2/NDF: 155594.6/68

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: 0.672+/-0.000 χ^2/NDF:23320206774.2/15

Left: 0.687+/-0.000 χ^2/NDF: 53882242559.2/33

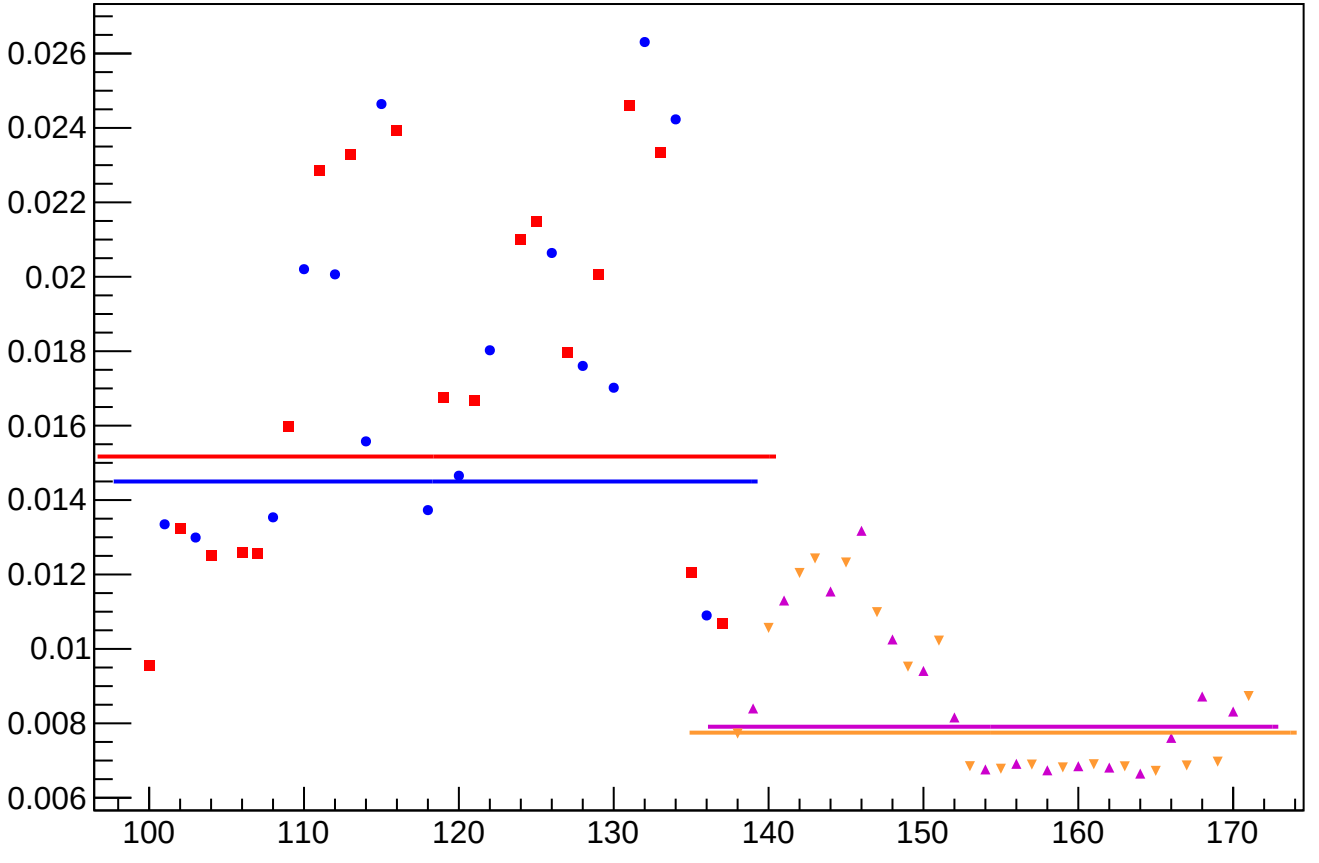
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.730+/-0.000 χ^2/NDF:29786642931.3/31

Out: 0.745+/-0.000 χ^2/NDF:36213948130.2/36

All: 0.738+/-0.000 χ^2/NDF: 66026926610.2/6

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:953071.1/15

Left: 0.008+/-0.000 χ^2/NDF: 2110681.8/33

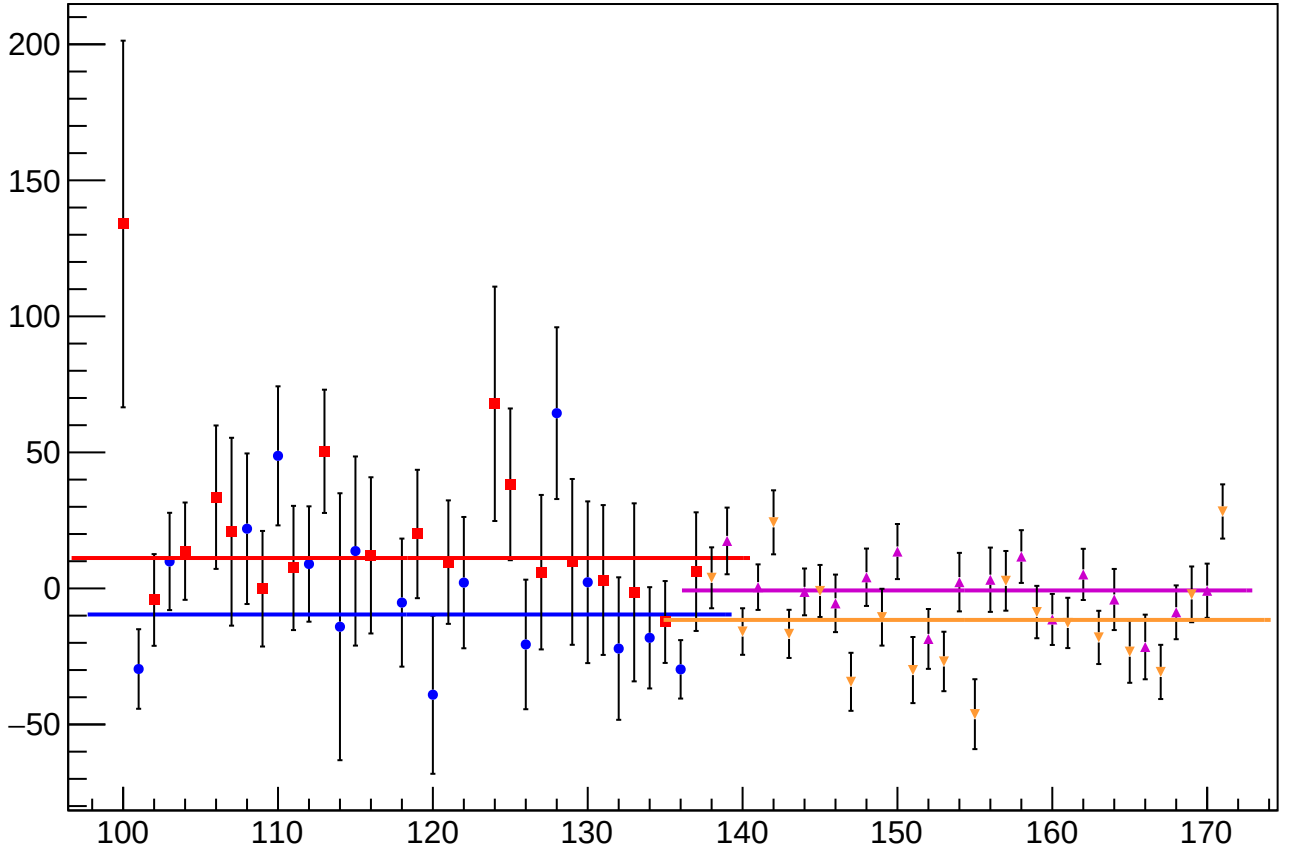
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3812802.1/31

Out: 0.009+/-0.000 χ^2/NDF:4631213.5/36

All: 0.009+/-0.000 χ^2/NDF: 8452916.4/68

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: -0.738+/-2.542 χ^2/NDF:14.6/15

Left: -6.414+/-1.754 χ^2/NDF: 77.0/33

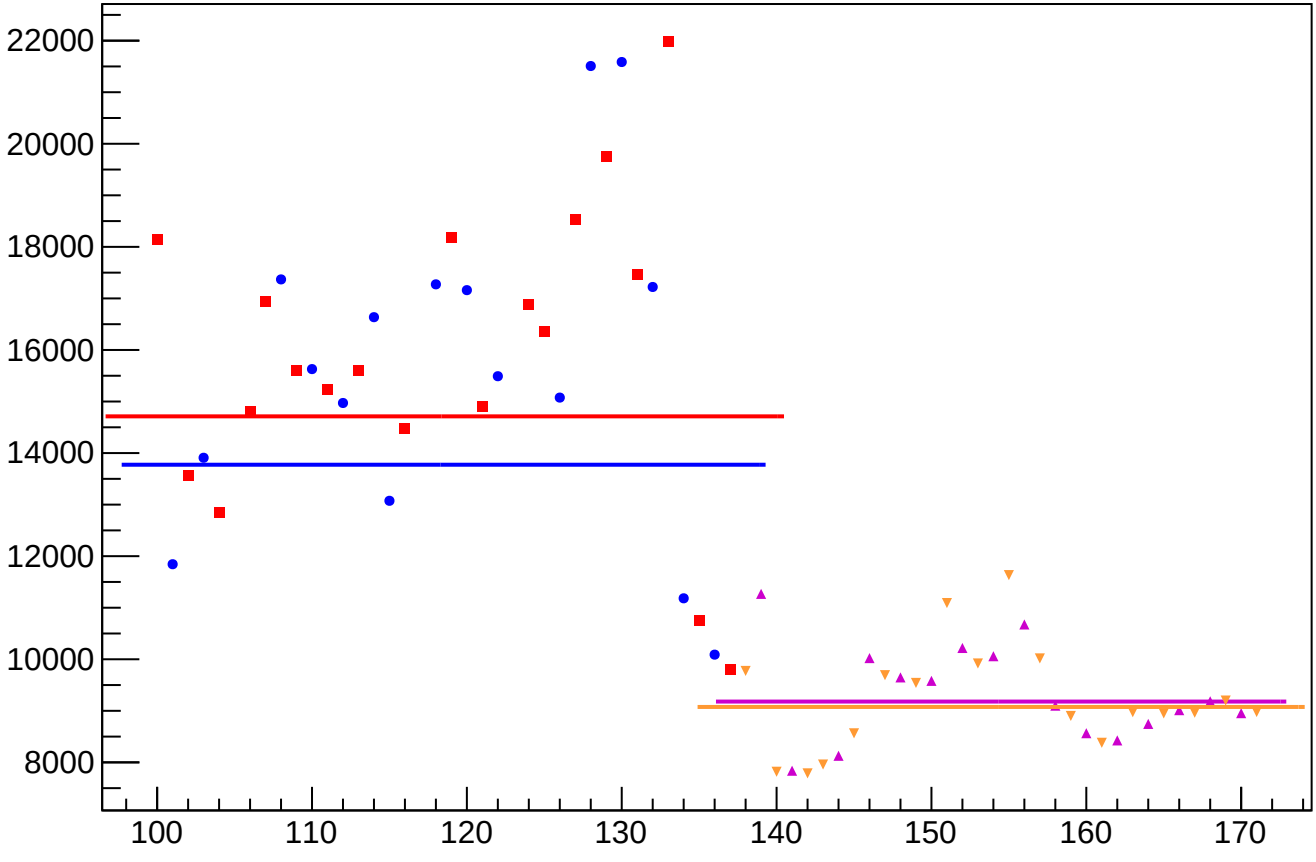
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -2.396+/-2.291 χ^2/NDF:38.8/31

Out: -7.872+/-2.218 χ^2/NDF:81.1/36

All: -5.223+/-1.593 χ^2/NDF: 122.9/68

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: 9179.642+/-1.797 χ^2/NDF:248404.7/15

Left: 9124.849+/-1.240 χ^2/NDF: 547436.4/33

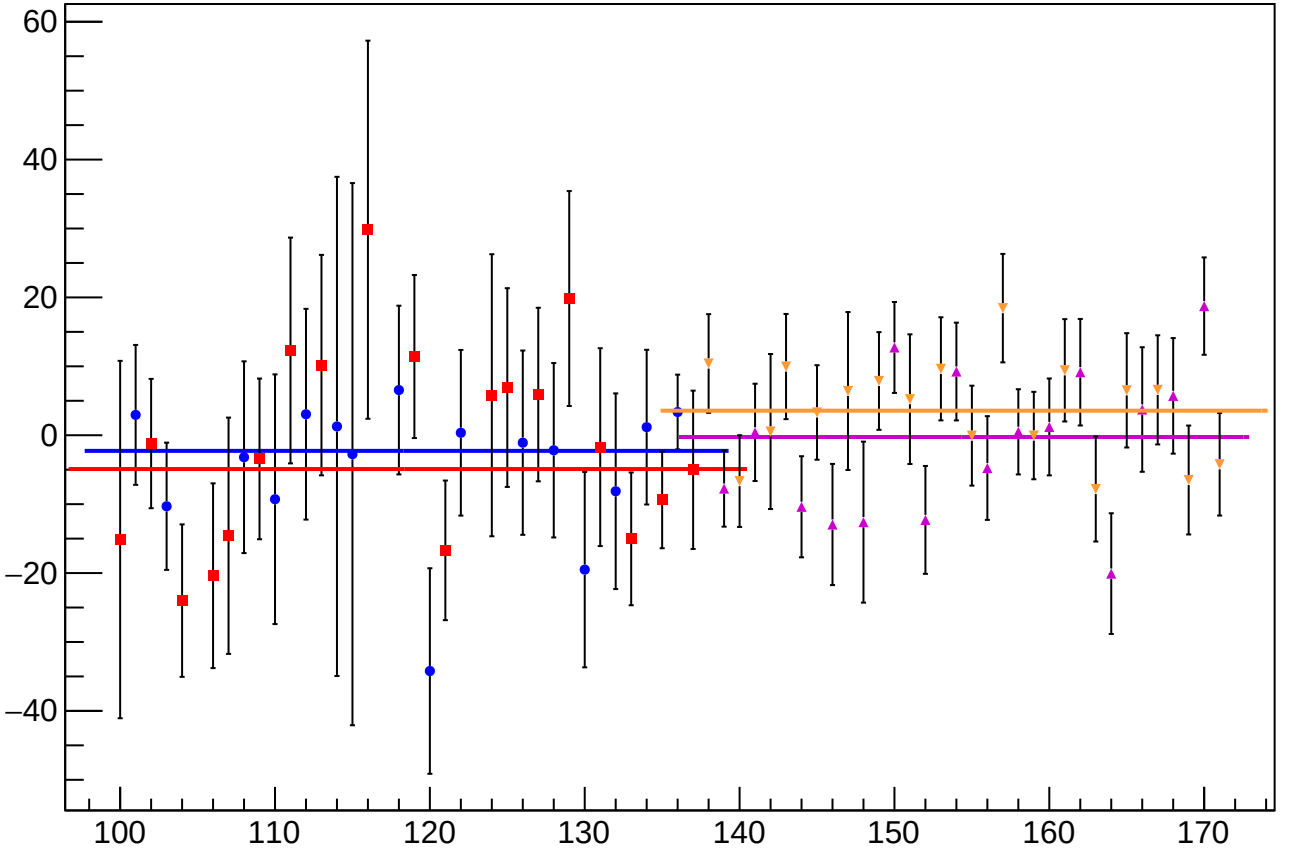
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 10041.138+/-1.620 χ^2/NDF:2221309.2/31

Out: 9992.436+/-1.568 χ^2/NDF:2615459.4/36

All: 10015.994+/-1.127 χ^2/NDF: 4837235.1/6

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: -0.258+/-1.853 χ^2/NDF:29.9/15

Left: 1.698+/-1.295 χ^2/NDF: 47.3/33

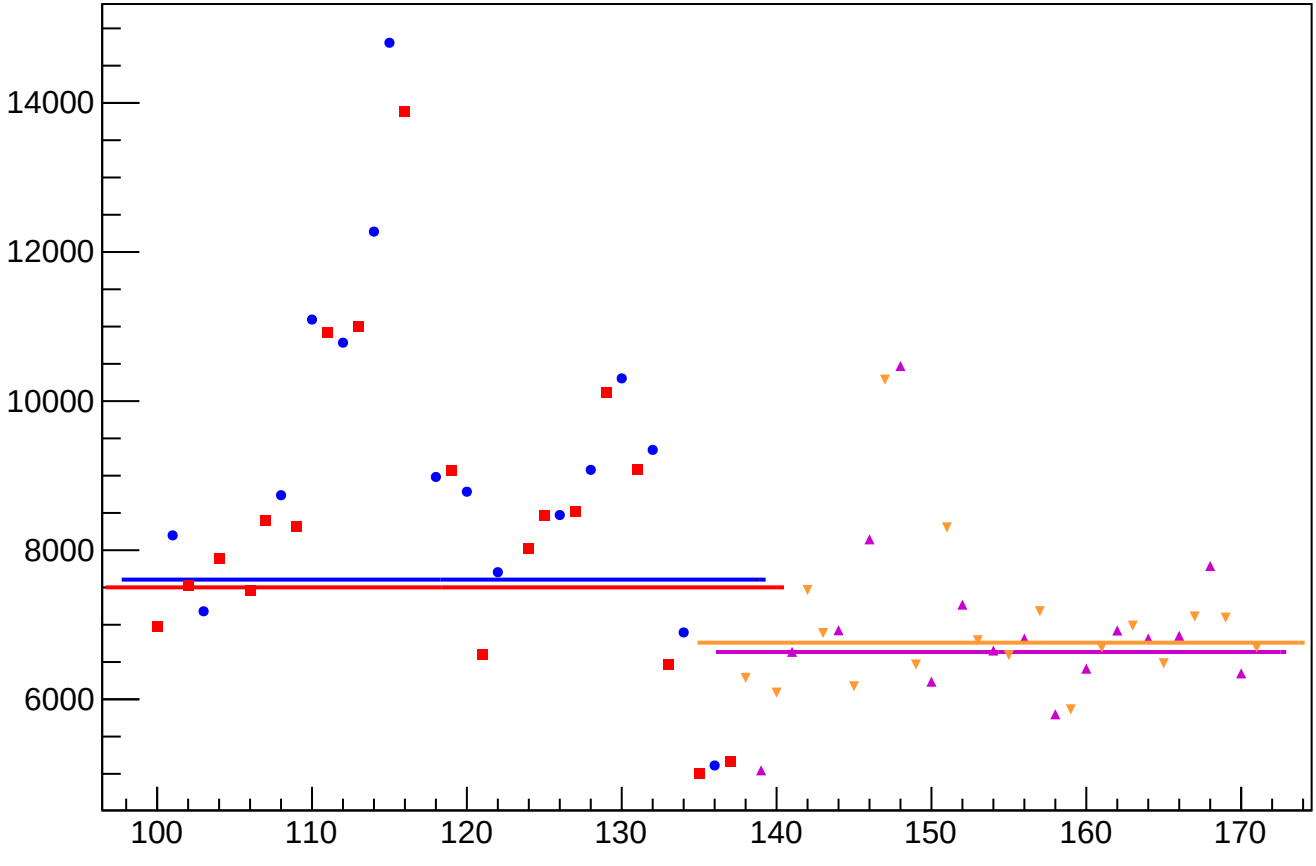
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.834+/-1.565 χ^2/NDF:39.6/31

Out: 1.112+/-1.526 χ^2/NDF:39.1/36

All: 0.163+/-1.093 χ^2/NDF: 79.4/68

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: 6634.667+/-1.310 χ^2/NDF:549396.6/15

Left: 6698.661+/-0.916 χ^2/NDF: 911669.0/33

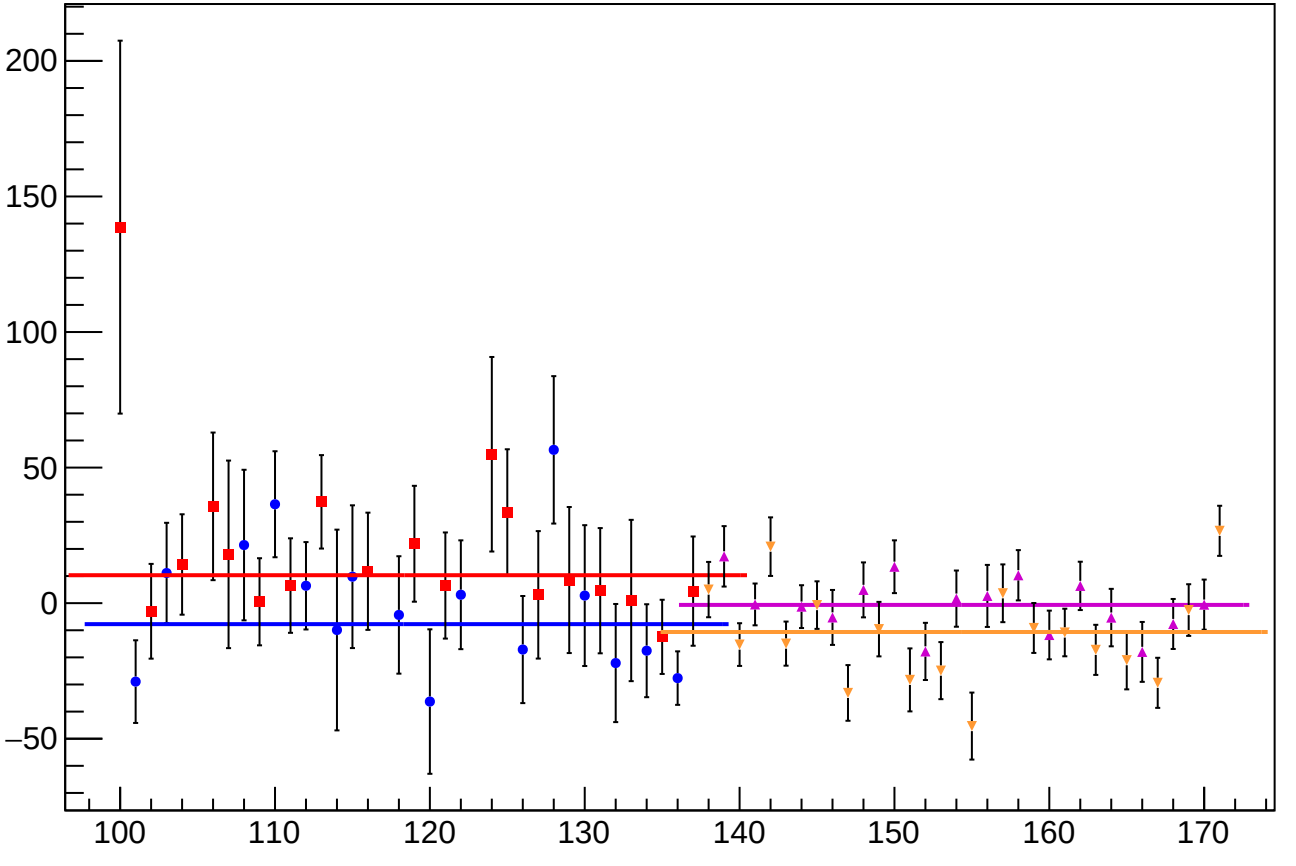
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6913.176+/-1.107 χ^2/NDF:1598407.6/31

Out: 6974.564+/-1.079 χ^2/NDF:1278370.2/36

All: 6944.640+/-0.773 χ^2/NDF: 2878355.3/68

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: -0.648+/-2.397 χ^2/NDF:14.7/15

Left: -5.903+/-1.650 χ^2/NDF: 77.9/33

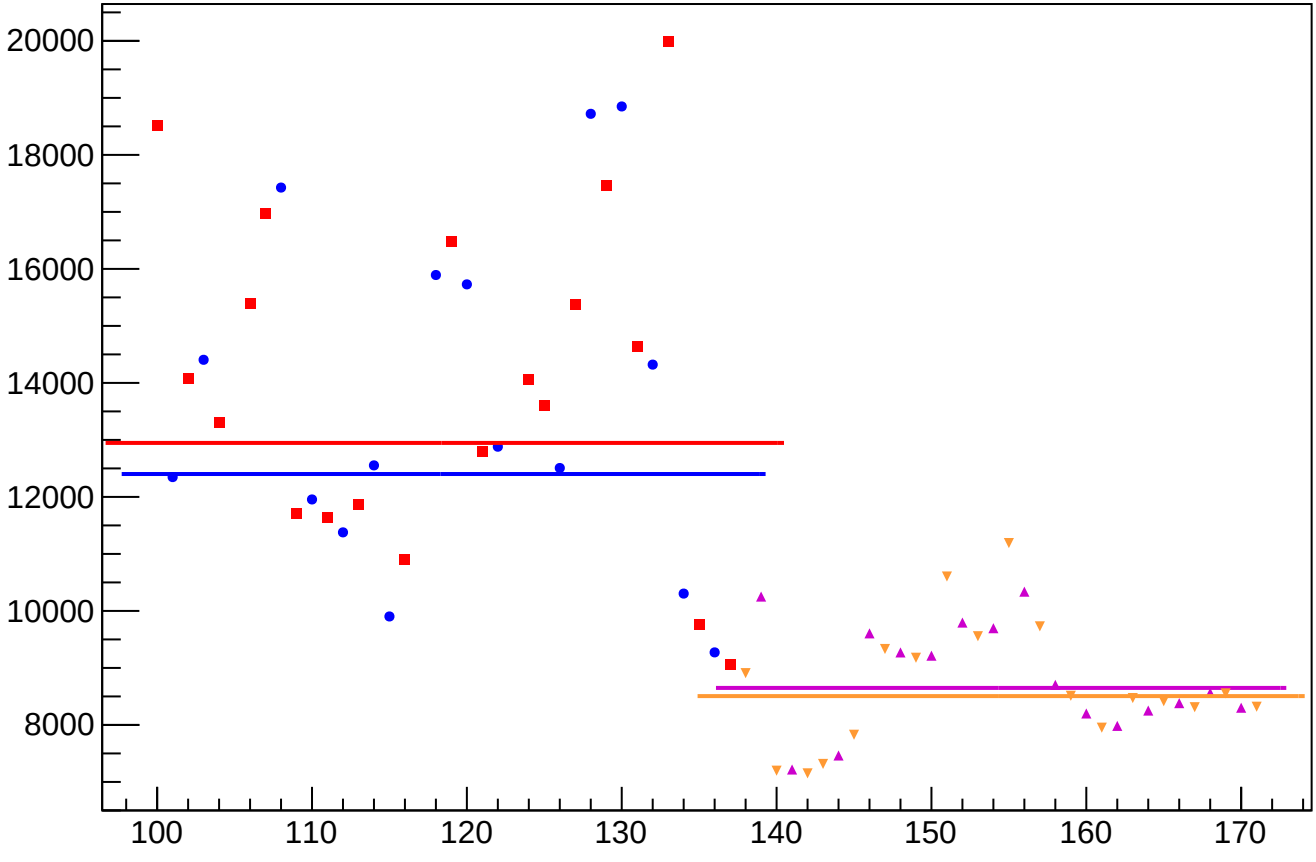
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -2.088+/-2.140 χ^2/NDF:39.2/31

Out: -6.847+/-2.059 χ^2/NDF:83.2/36

All: -4.559+/-1.484 χ^2/NDF: 125.0/68

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: 8649.407+/-1.695 χ^2/NDF:298275.4/15

Left: 8573.822+/-1.167 χ^2/NDF: 684278.3/33

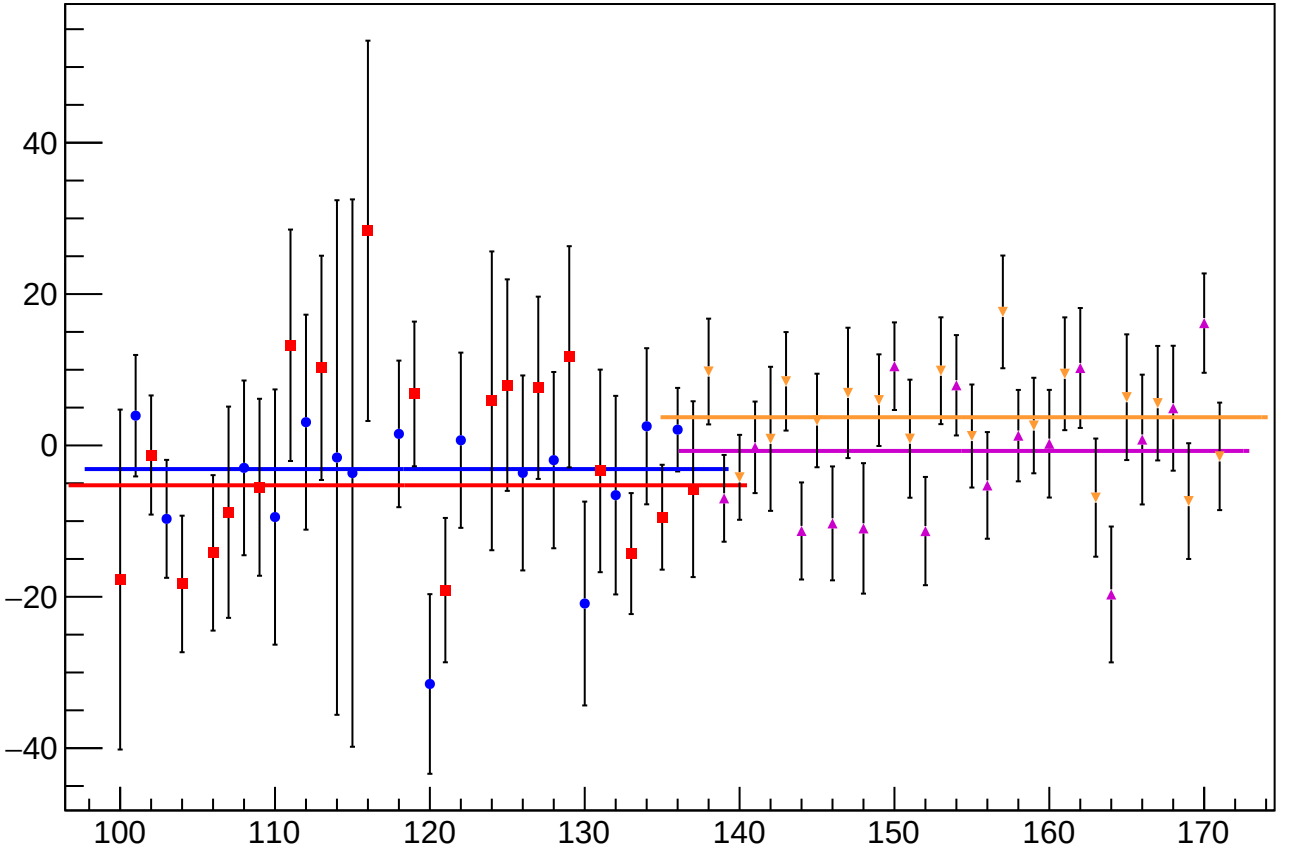
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9411.499+/-1.513 χ^2/NDF:1971977.8/31

Out: 9309.665+/-1.456 χ^2/NDF:2316969.9/36

All: 9358.624+/-1.049 χ^2/NDF: 4291299.6/68

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: -0.726+/-1.734 χ^2/NDF:28.6/15

Left: 1.585+/-1.203 χ^2/NDF: 45.5/33

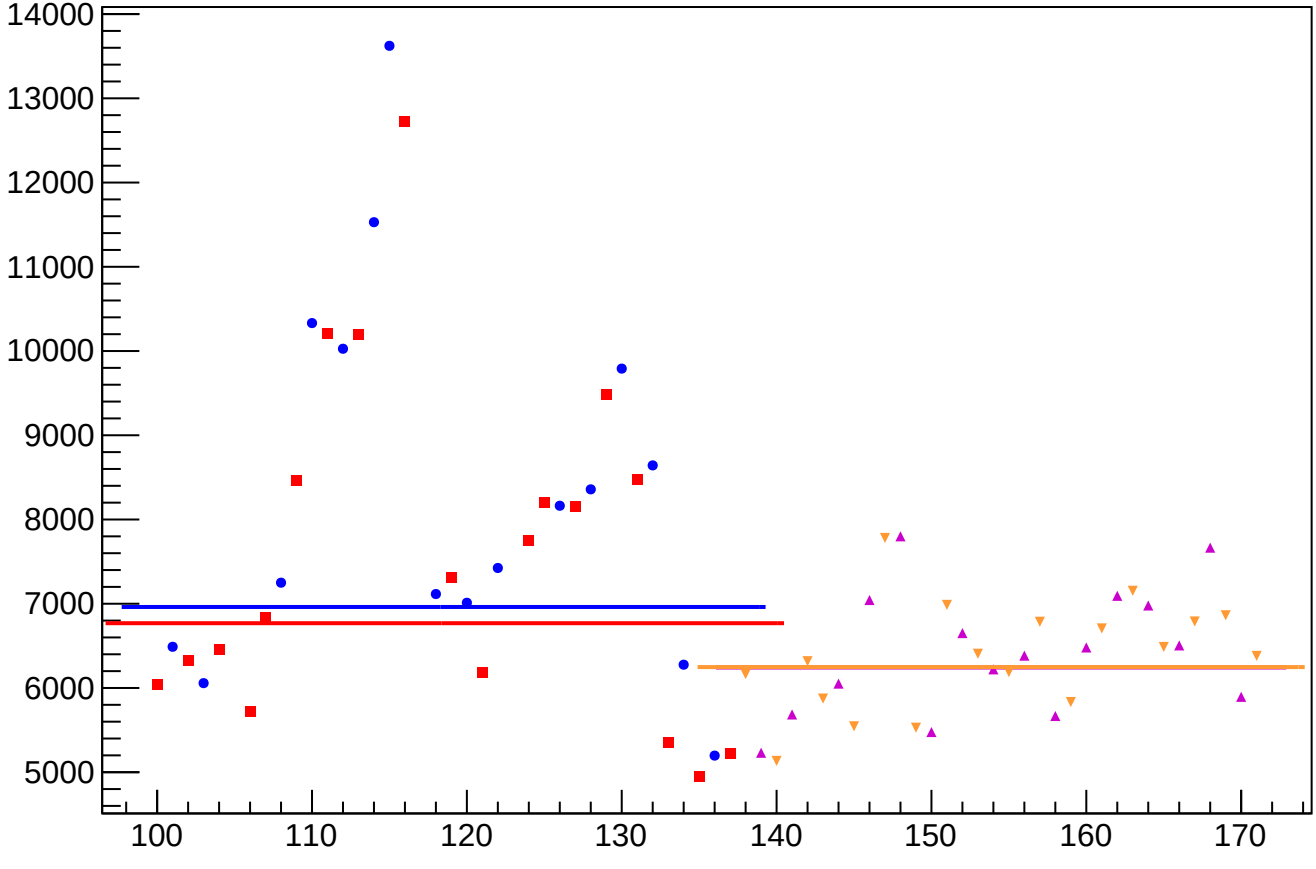
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.442+/-1.452 χ^2/NDF:40.1/31

Out: 1.032+/-1.398 χ^2/NDF:39.0/36

All: -0.158+/-1.007 χ^2/NDF: 80.6/68

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: 6242.734+/-1.226 χ^2/NDF:335270.6/15

Left: 6245.463+/-0.851 χ^2/NDF: 636693.7/33

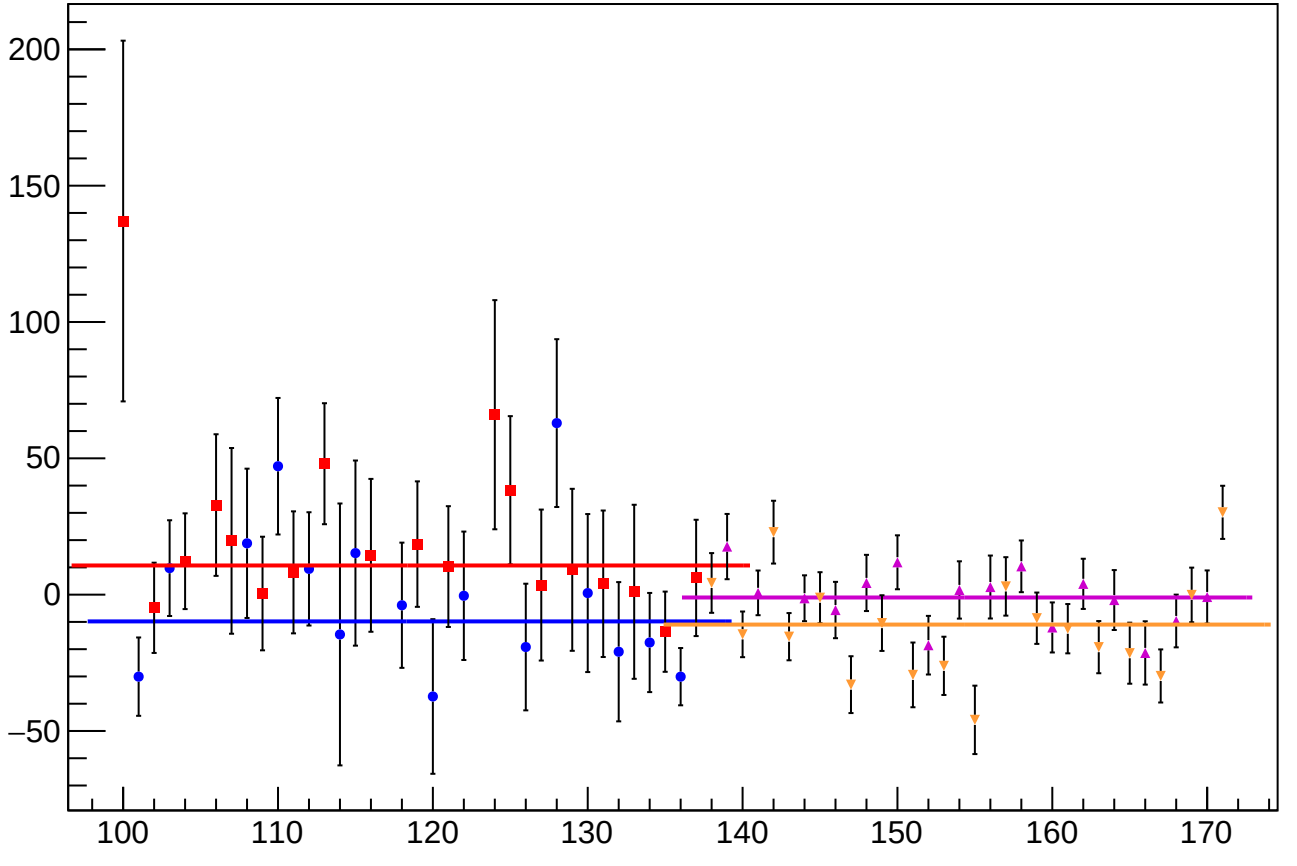
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6457.660+/-1.027 χ^2/NDF:1134415.9/31

Out: 6404.165+/-0.988 χ^2/NDF:1157841.1/36

All: 6429.894+/-0.712 χ^2/NDF: 2293665.9/68

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: -1.040+/-2.485 χ^2/NDF:14.5/15

Left: -6.242+/-1.715 χ^2/NDF: 77.9/33

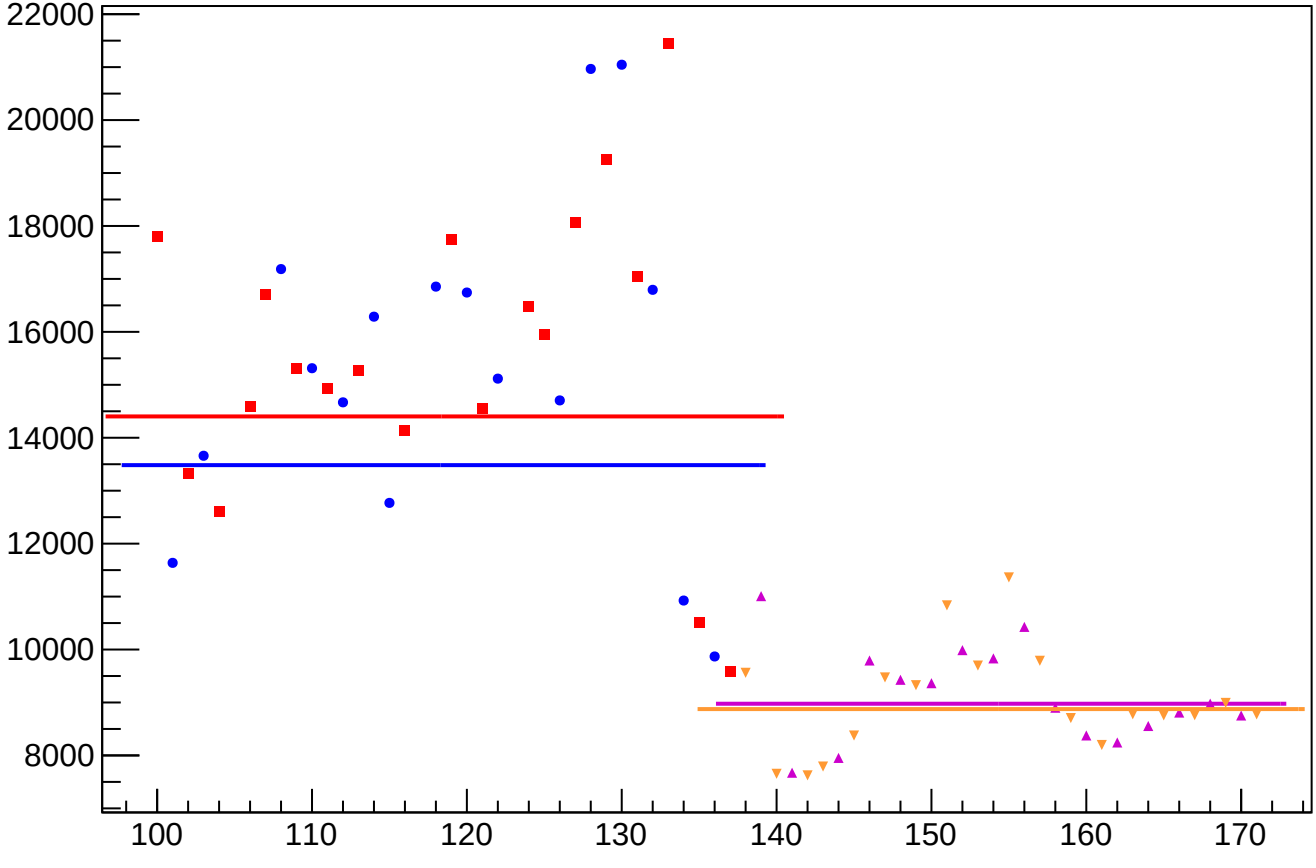
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -2.682+/-2.241 χ^2/NDF:38.9/31

Out: -7.451+/-2.169 χ^2/NDF:82.9/36

All: -5.144+/-1.558 χ^2/NDF: 124.1/68

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: 8976.455+/-1.757 χ^2/NDF:245452.1/15

Left: 8923.491+/-1.213 χ^2/NDF: 541277.7/33

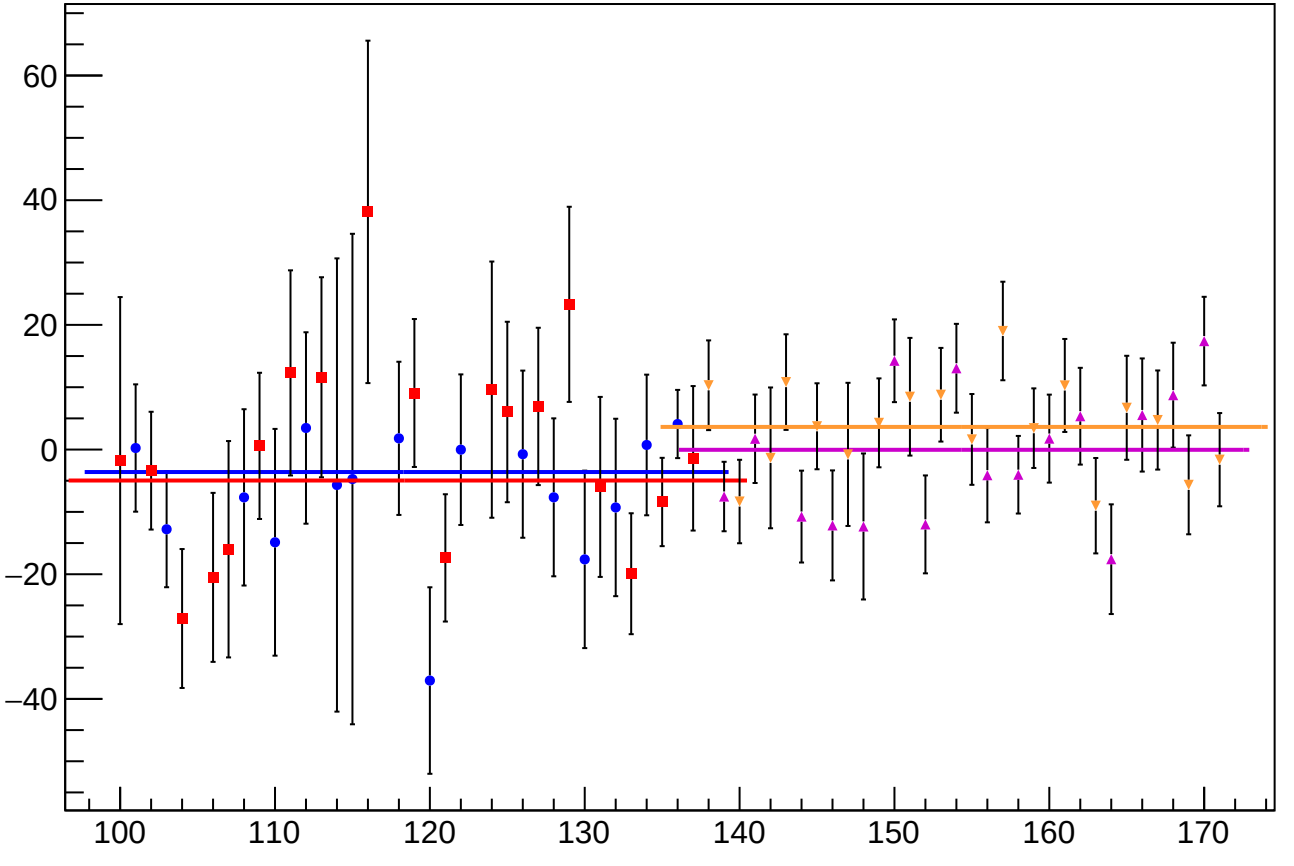
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9820.181+/-1.584 χ^2/NDF:2220357.9/31

Out: 9773.477+/-1.534 χ^2/NDF:2614157.7/36

All: 9796.071+/-1.102 χ^2/NDF: 4834964.2/68

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.632+/-1.819 χ^2/NDF:15.4/17

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: -0.040+/-1.863 χ^2/NDF:30.0/15

Left: 1.839+/-1.302 χ^2/NDF: 47.4/33

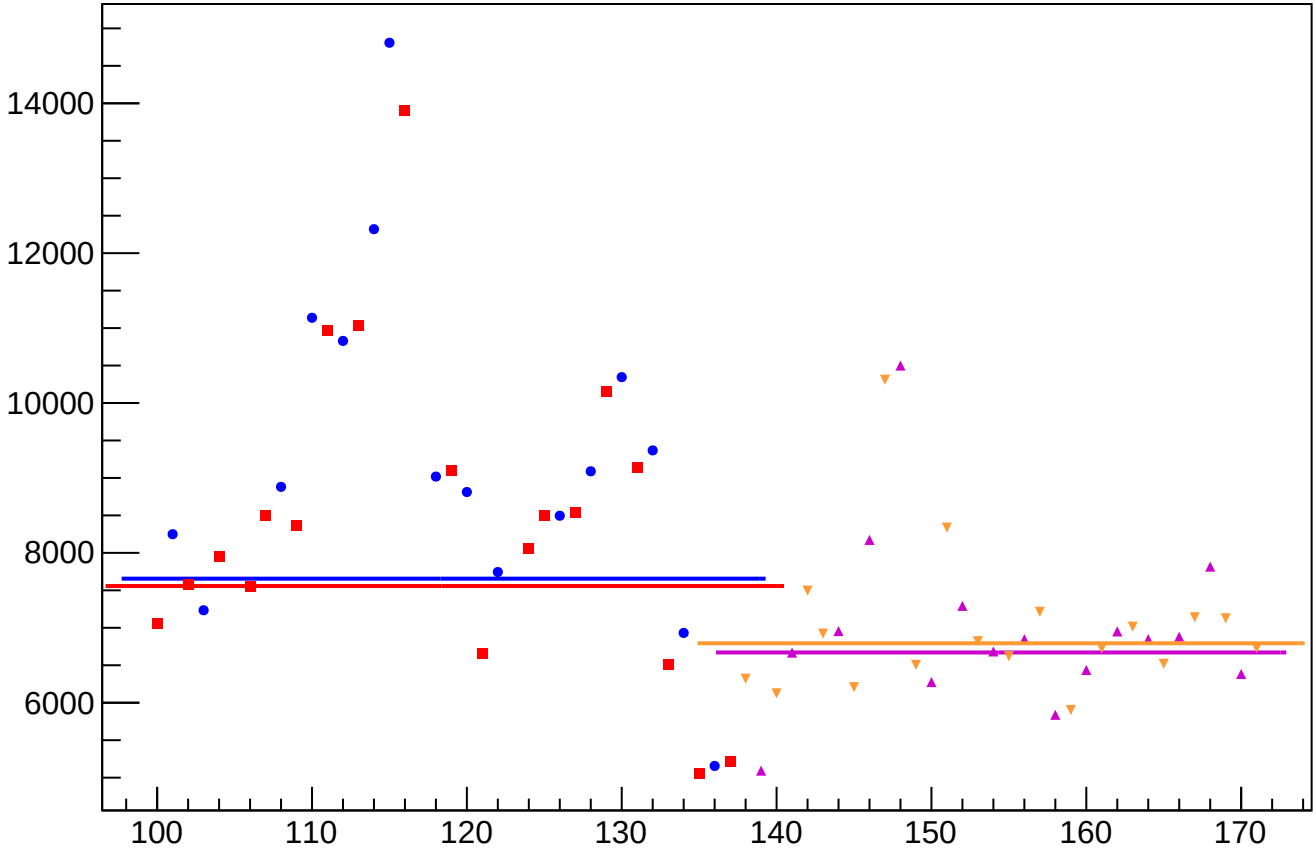
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -1.061+/-1.573 χ^2/NDF:41.5/31

Out: 1.149+/-1.534 χ^2/NDF:43.3/36

All: 0.072+/-1.099 χ^2/NDF: 85.8/68

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: 6670.804+/-1.317 χ^2/NDF:538688.5/15

Left: 6733.661+/-0.920 χ^2/NDF: 896095.1/33

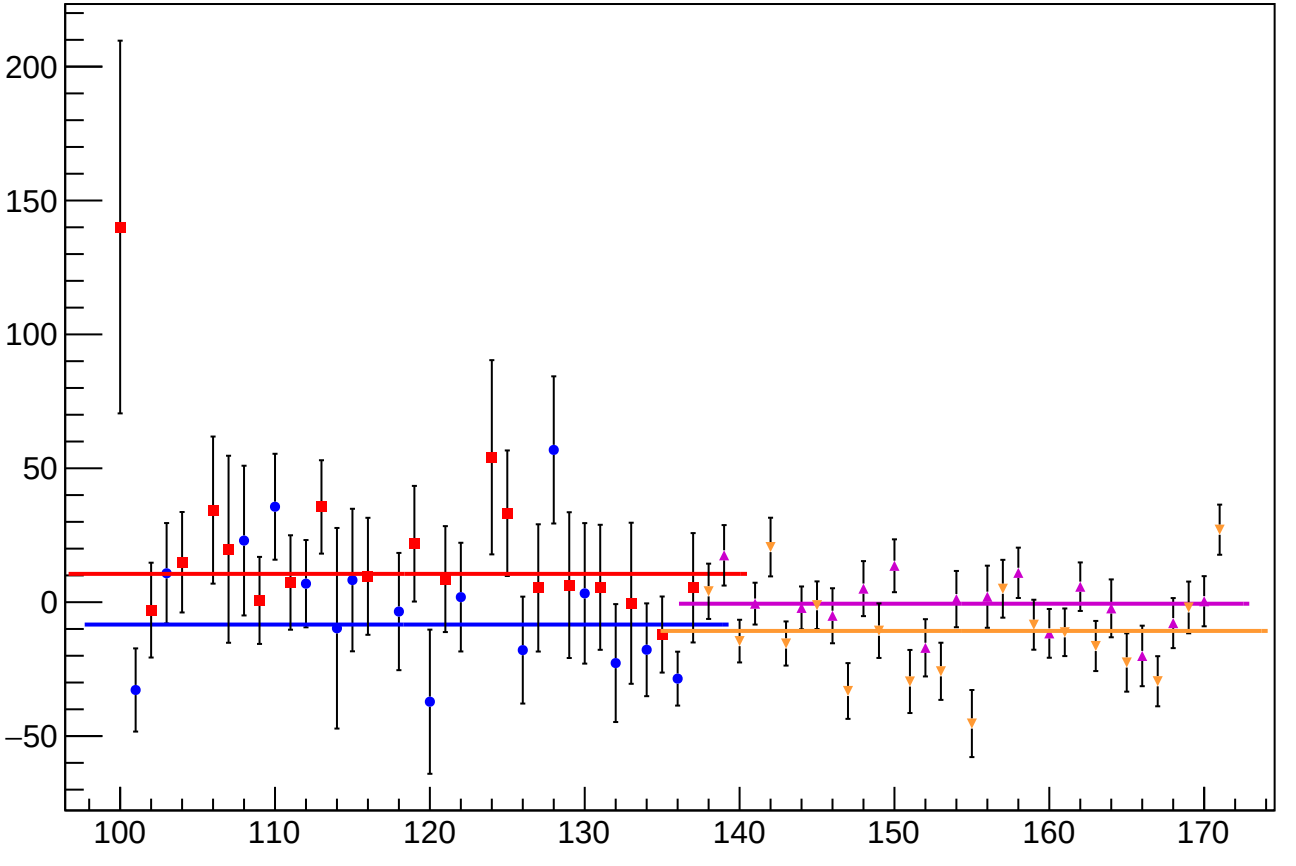
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6952.948+/-1.113 χ^2/NDF:1578673.4/31

Out: 7014.202+/-1.085 χ^2/NDF:1264614.2/36

All: 6984.344+/-0.777 χ^2/NDF: 2844841.3/68

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: -0.571+/-2.432 χ^2/NDF:14.7/15

Left: -5.922+/-1.673 χ^2/NDF: 77.6/33

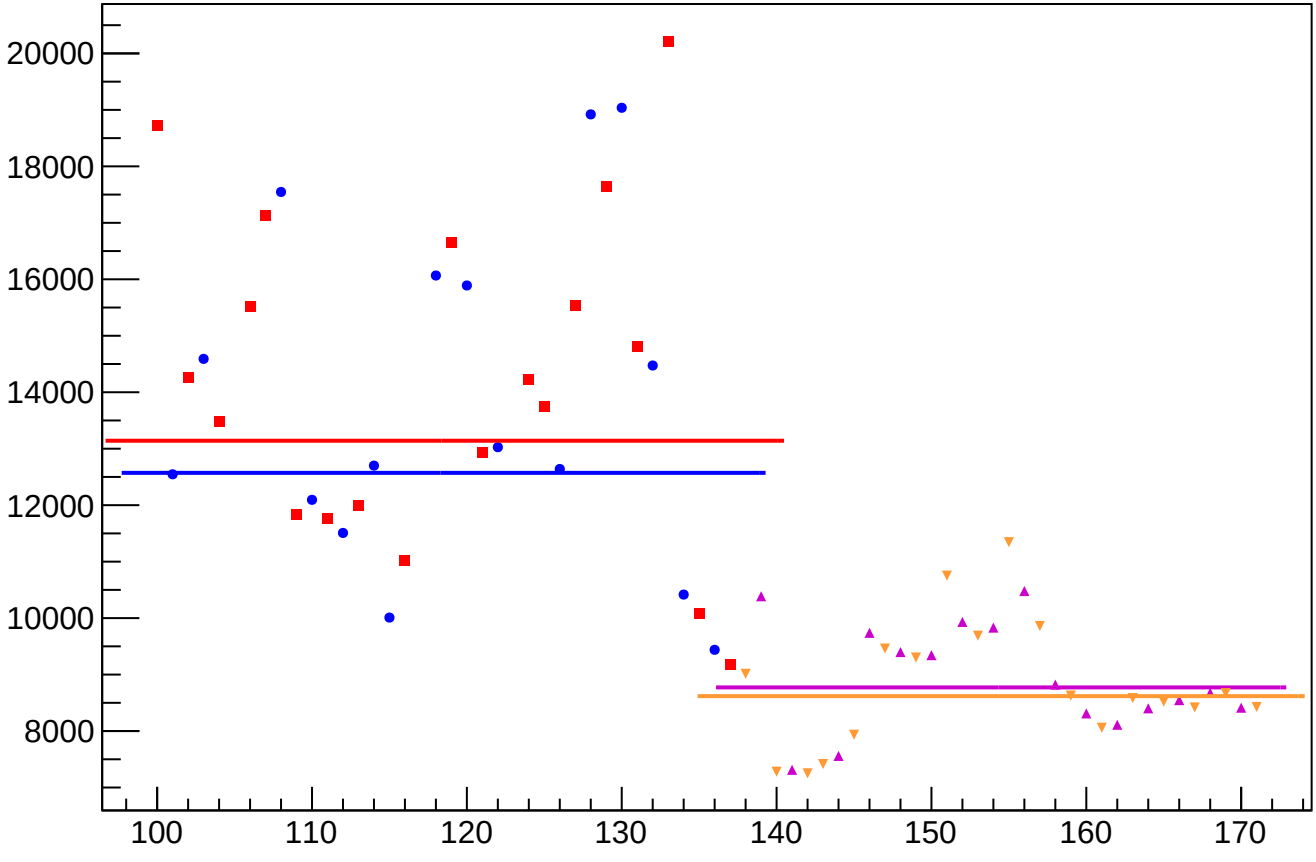
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -2.153+/-2.171 χ^2/NDF:40.0/31

Out: -6.884+/-2.087 χ^2/NDF:82.0/36

All: -4.612+/-1.504 χ^2/NDF: 124.5/68

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: 8772.848+/-1.720 χ^2/NDF:297702.1/15

Left: 8691.421+/-1.183 χ^2/NDF: 685773.1/33

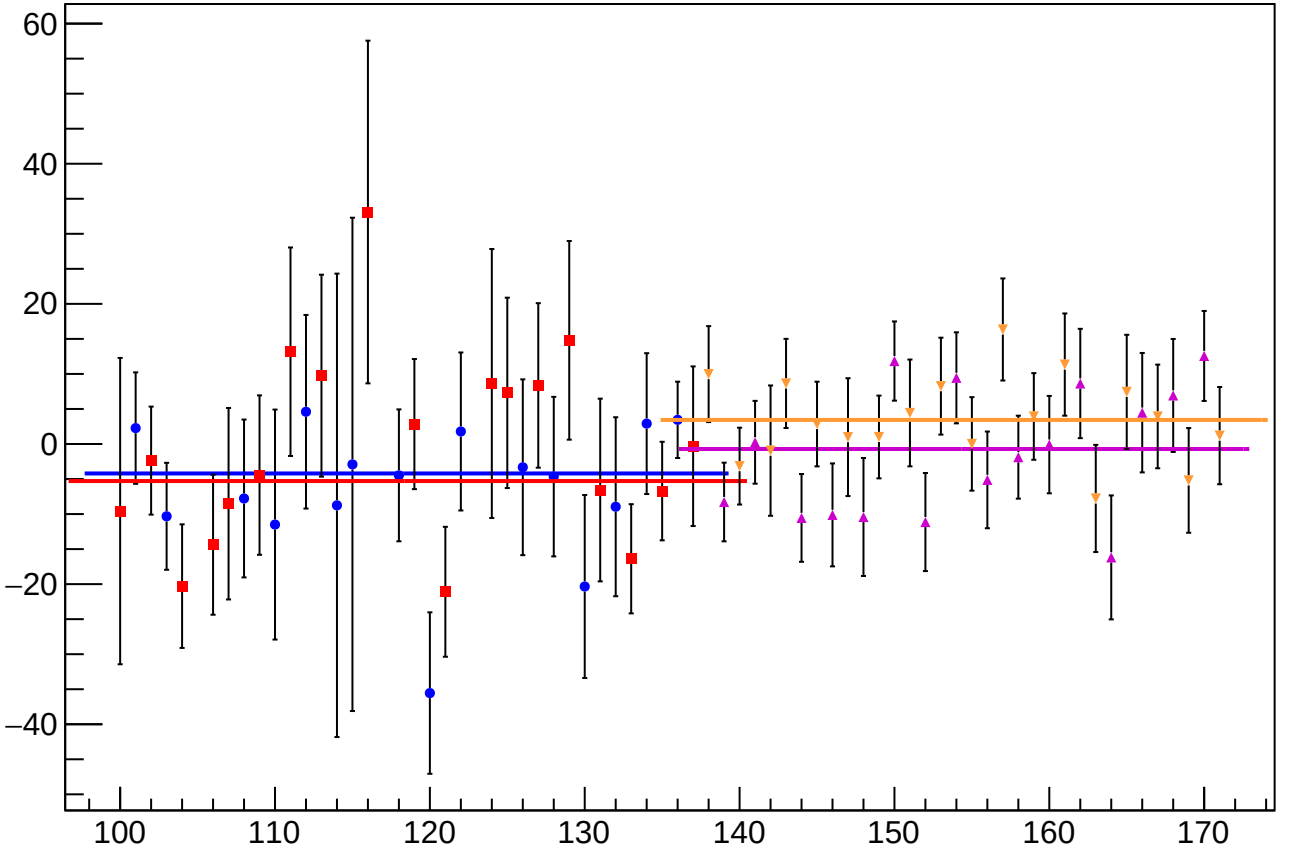
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9545.409+/-1.535 χ^2/NDF:1955514.0/31

Out: 9435.015+/-1.476 χ^2/NDF:2308697.0/36

All: 9488.043+/-1.064 χ^2/NDF: 4266899.3/68

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: -0.713+/-1.698 χ^2/NDF:27.4/15

Left: 1.441+/-1.178 χ^2/NDF: 42.9/33

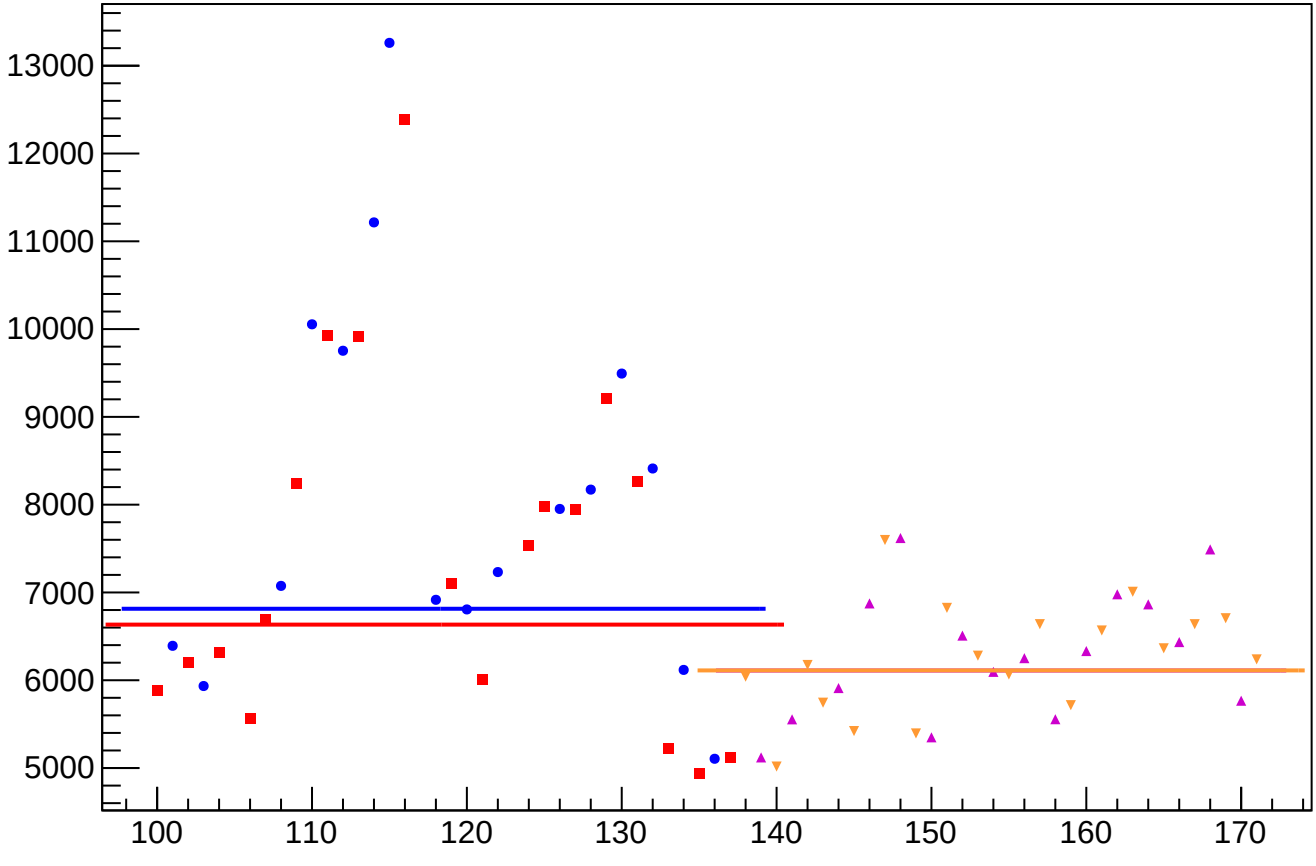
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.757+/-1.422 χ^2/NDF:42.5/31

Out: 0.827+/-1.368 χ^2/NDF:40.7/36

All: -0.415+/-0.986 χ^2/NDF: 84.9/68

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: 6110.751+/-1.201 χ^2/NDF:337401.4/15

Left: 6111.406+/-0.833 χ^2/NDF: 640246.5/33

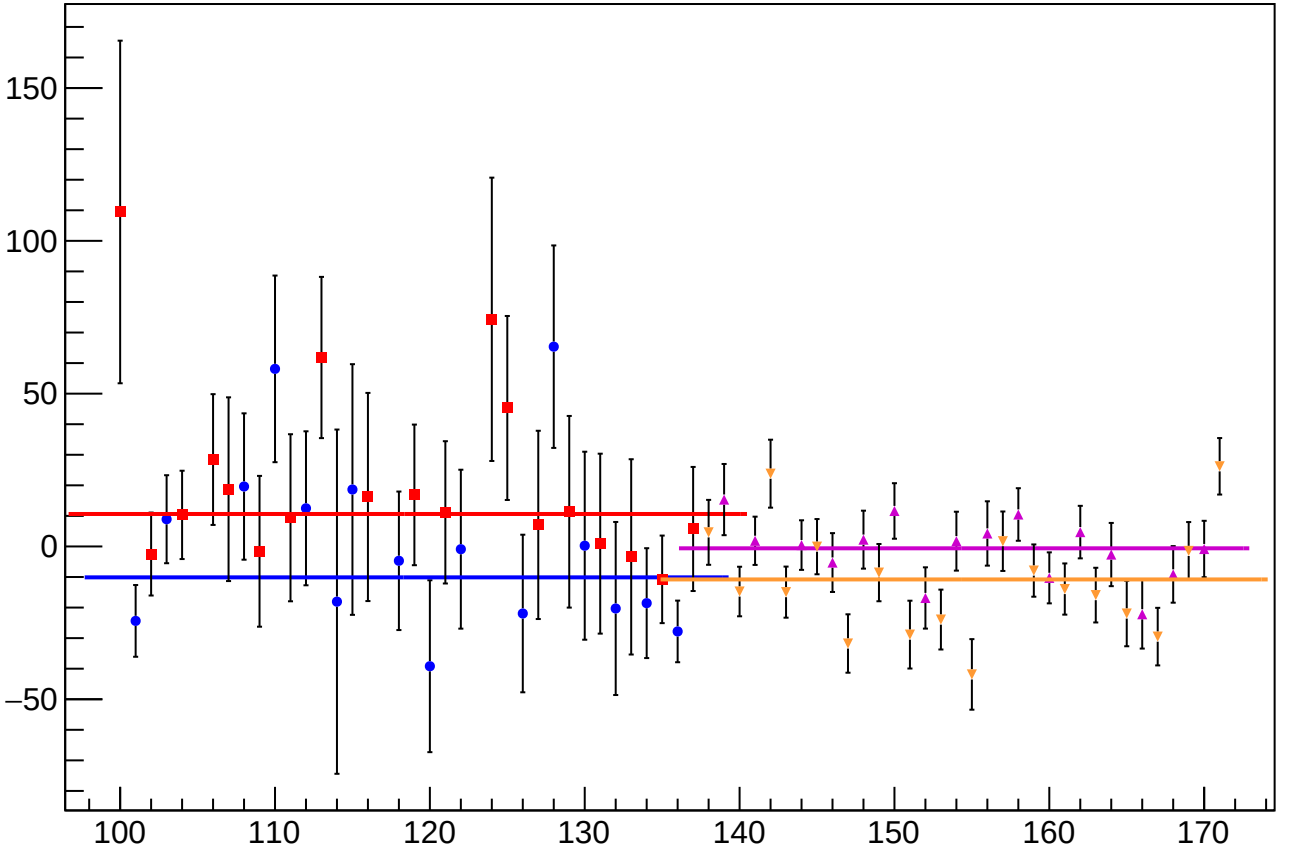
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6321.114+/-1.005 χ^2/NDF:1114117.7/31

Out: 6267.996+/-0.967 χ^2/NDF:1127143.2/36

All: 6293.531+/-0.697 χ^2/NDF: 2242710.2/68

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: -0.609+/-2.328 χ^2/NDF:15.0/15

Left: -5.919+/-1.611 χ^2/NDF: 79.5/33

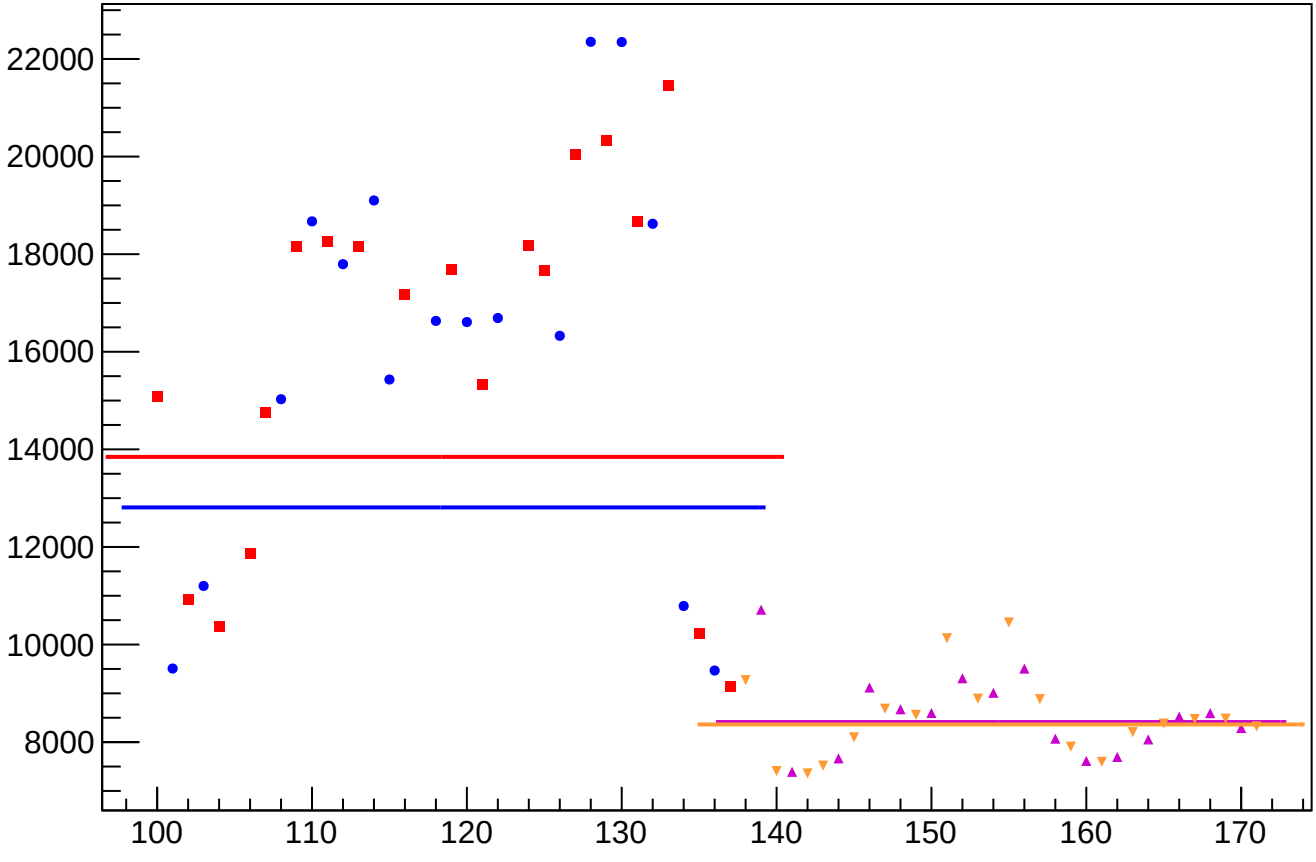
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -2.293+/-2.112 χ^2/NDF:39.2/31

Out: -7.546+/-2.055 χ^2/NDF:83.2/36

All: -4.991+/-1.473 χ^2/NDF: 125.6/68

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8362.768+/-1.577 χ^2/NDF:235349.8/17

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8411.668+/-1.646 χ^2/NDF:225912.1/15

Left: 8386.171+/-1.139 χ^2/NDF: 461721.9/33

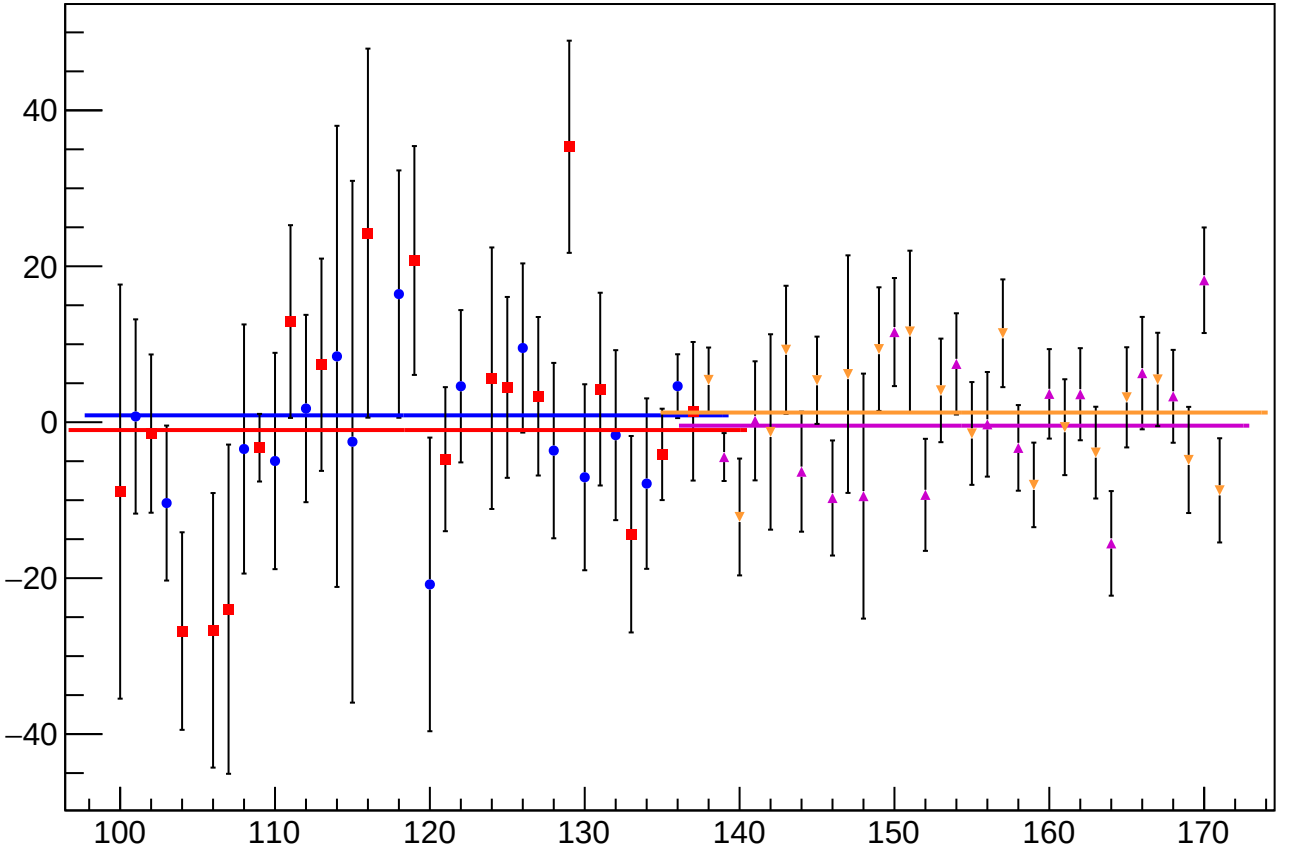
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9191.005+/-1.493 χ^2/NDF:2738814.7/31

Out: 9194.055+/-1.453 χ^2/NDF:3163861.4/36

All: 9192.572+/-1.041 χ^2/NDF: 5902678.2/68

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: -0.443+/-1.521 χ^2/NDF:25.4/15

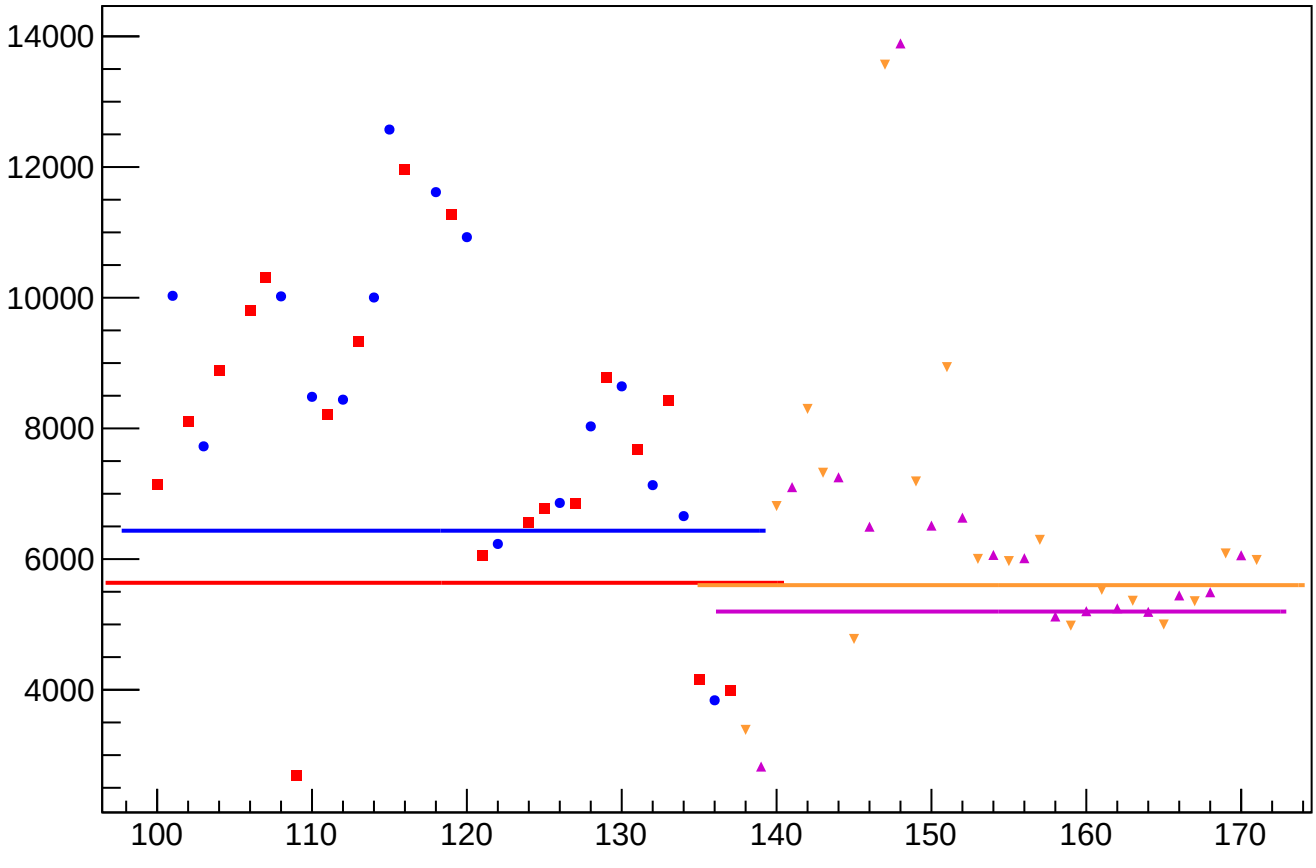
Left: 0.377+/-1.089 χ^2/NDF: 43.8/33

Right: -0.159+/-1.718 χ^2/NDF: 29.4/34

In: -0.098+/-1.309 χ^2/NDF:32.4/31

Out: 0.537+/-1.294 χ^2/NDF:40.8/36

All: 0.223+/-0.920 χ^2/NDF: 73.3/68



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: 5197.281+/-1.076 χ^2/NDF:2390858.4/15

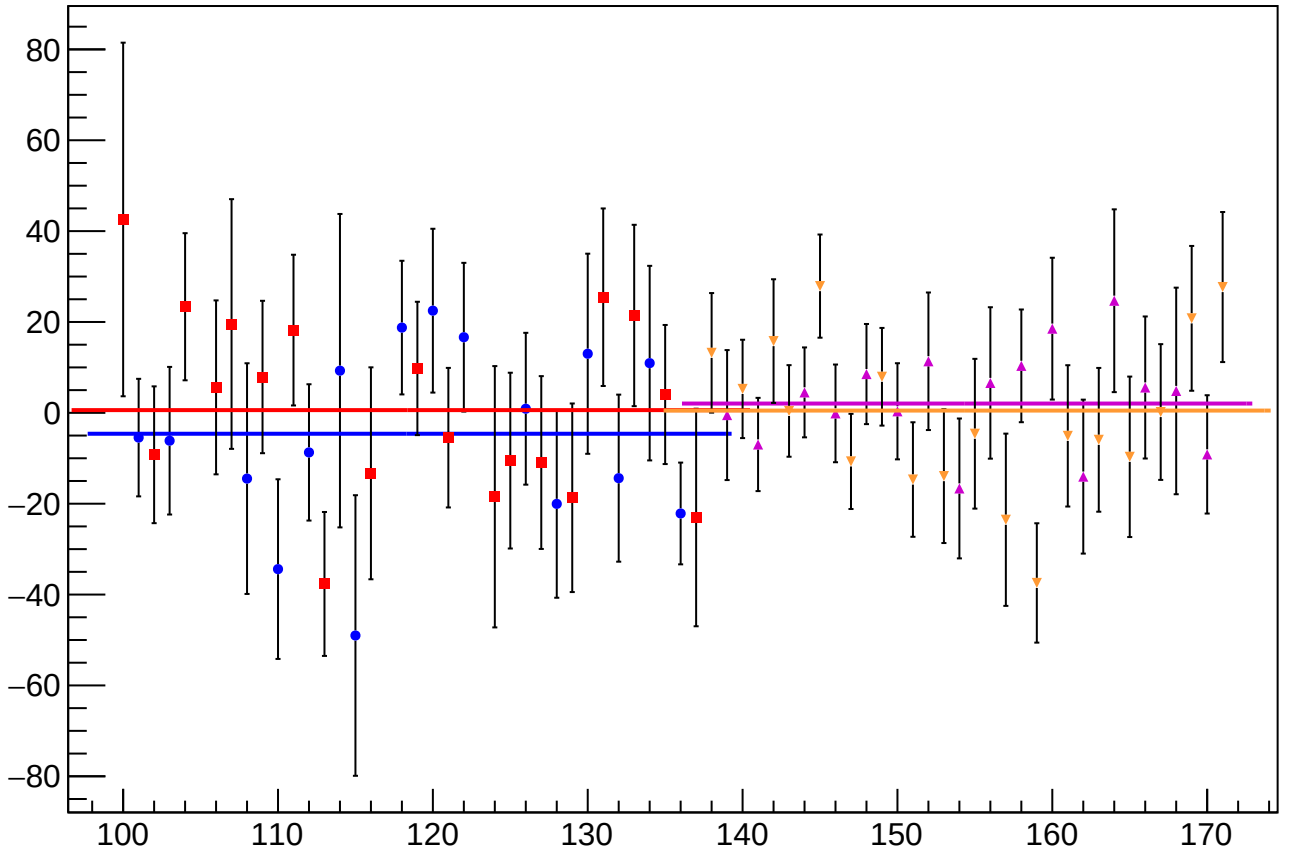
Left: 5394.070+/-0.770 χ^2/NDF: 4238825.2/33

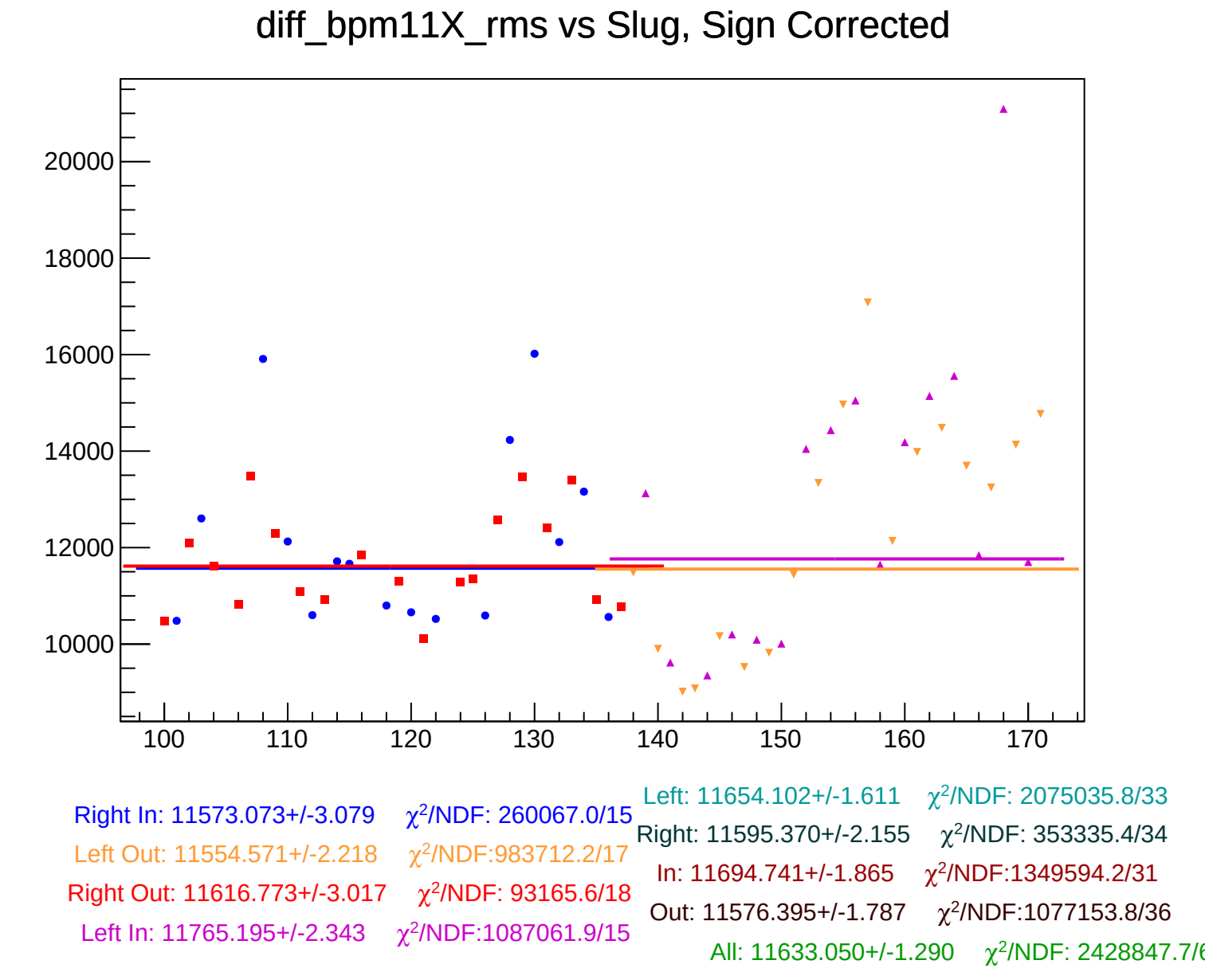
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5519.037+/-0.925 χ^2/NDF:4485523.2/31

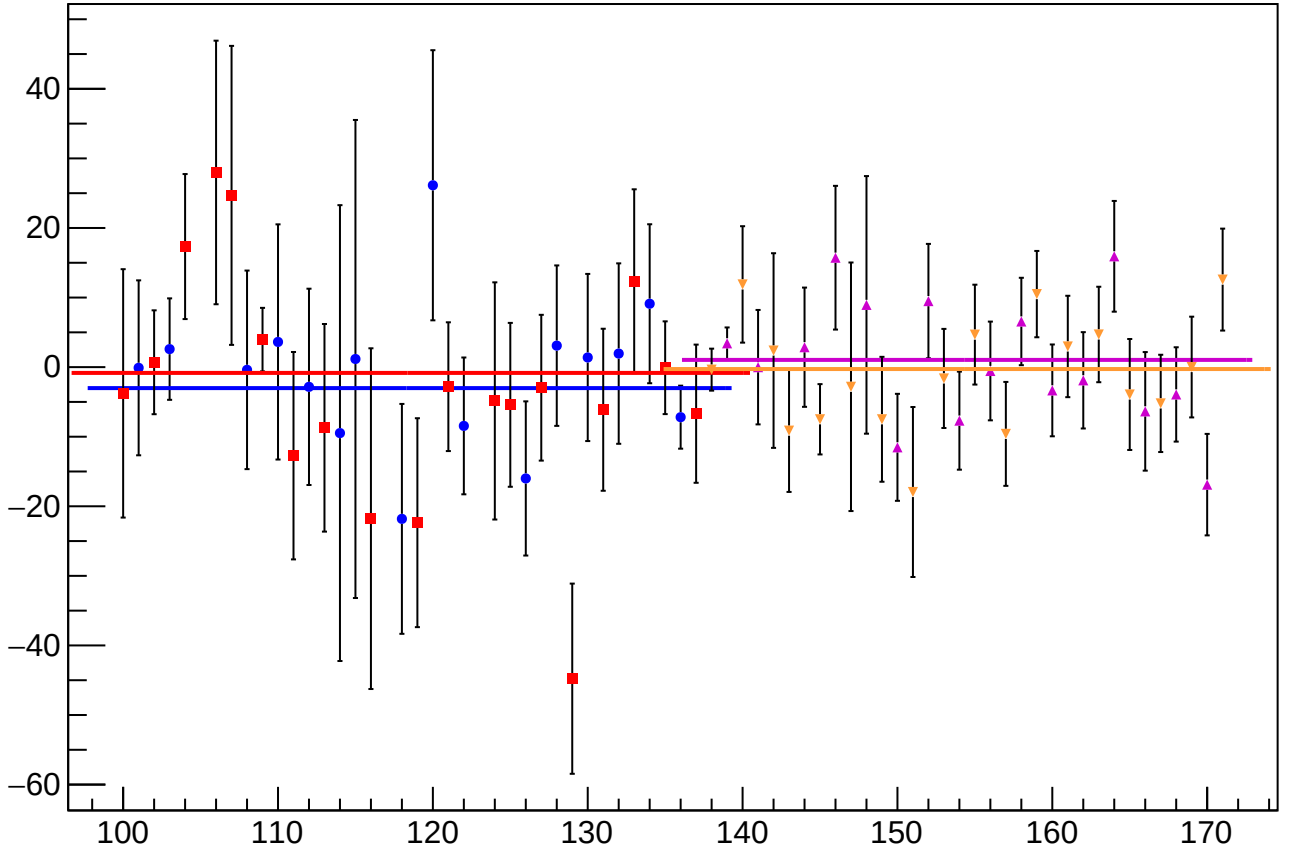
Out: 5612.547+/-0.915 χ^2/NDF:4359608.3/36

All: 5566.315+/-0.651 χ^2/NDF: 8850295.0/68


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: 2.046+/-3.314 χ²/NDF:7.7/15
Left: 1.230+/-2.278 χ²/NDF: 35.1/33
Right: -1.948+/-3.048 χ²/NDF: 34.4/34
In: -0.392+/-2.637 χ²/NDF:25.0/31
Out: 0.535+/-2.527 χ²/NDF:45.1/36
All: 0.091+/-1.825 χ²/NDF: 70.2/68


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11554.571+/-2.218 χ²/NDF:983712.2/17
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11765.195+/-2.343 χ²/NDF:1087061.9/15
Left: 11654.102+/-1.611 χ²/NDF: 2075035.8/33
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11694.741+/-1.865 χ²/NDF:1349594.2/31
Out: 11576.395+/-1.787 χ²/NDF:1077153.8/36
All: 11633.050+/-1.290 χ²/NDF: 2428847.7/6

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: 1.040+/-1.501 χ^2/NDF:20.9/15

Left: 0.416+/-1.088 χ^2/NDF: 38.8/33

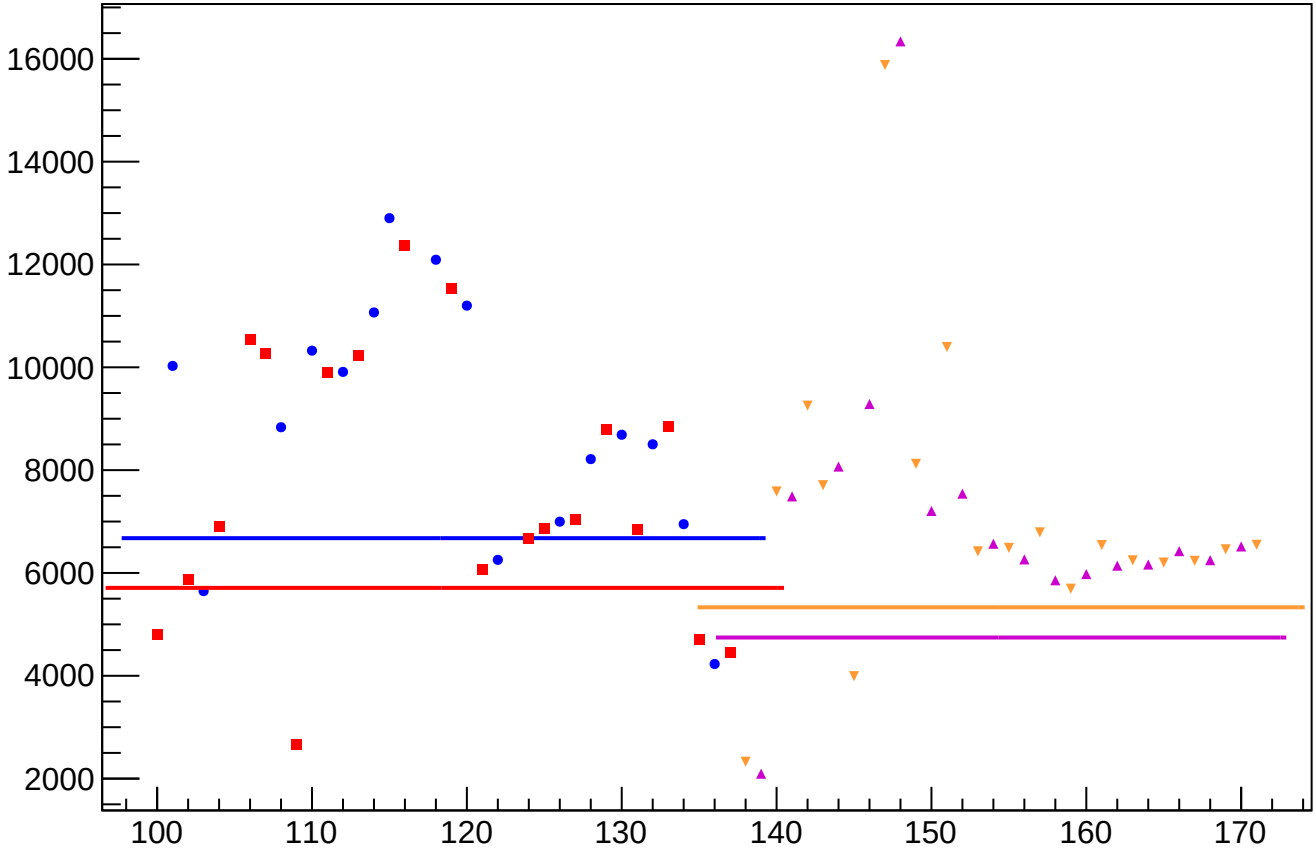
Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.057+/-1.306 χ^2/NDF:31.3/31

Out: -0.448+/-1.312 χ^2/NDF:41.4/36

All: -0.194+/-0.926 χ^2/NDF: 72.8/68

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: 4744.311+/-1.061 χ^2/NDF:5629773.1/15

Left: 5023.025+/-0.769 χ^2/NDF: 10013084.2/33

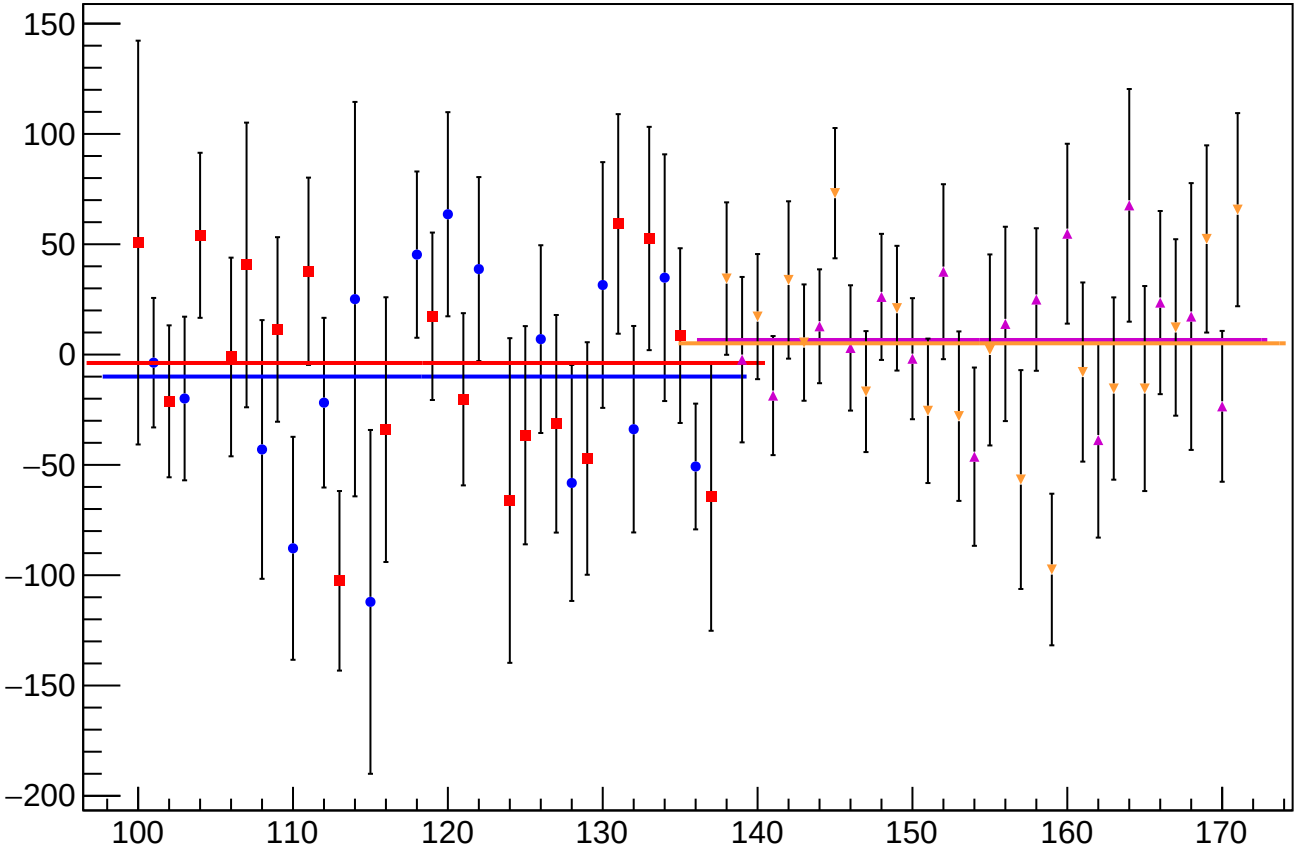
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5212.532+/-0.924 χ^2/NDF:8006236.1/31

Out: 5449.527+/-0.927 χ^2/NDF:6574451.8/36

All: 5330.558+/-0.654 χ^2/NDF: 14613470.8/6

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: 6.607+/-8.676 χ^2/NDF:9.0/15

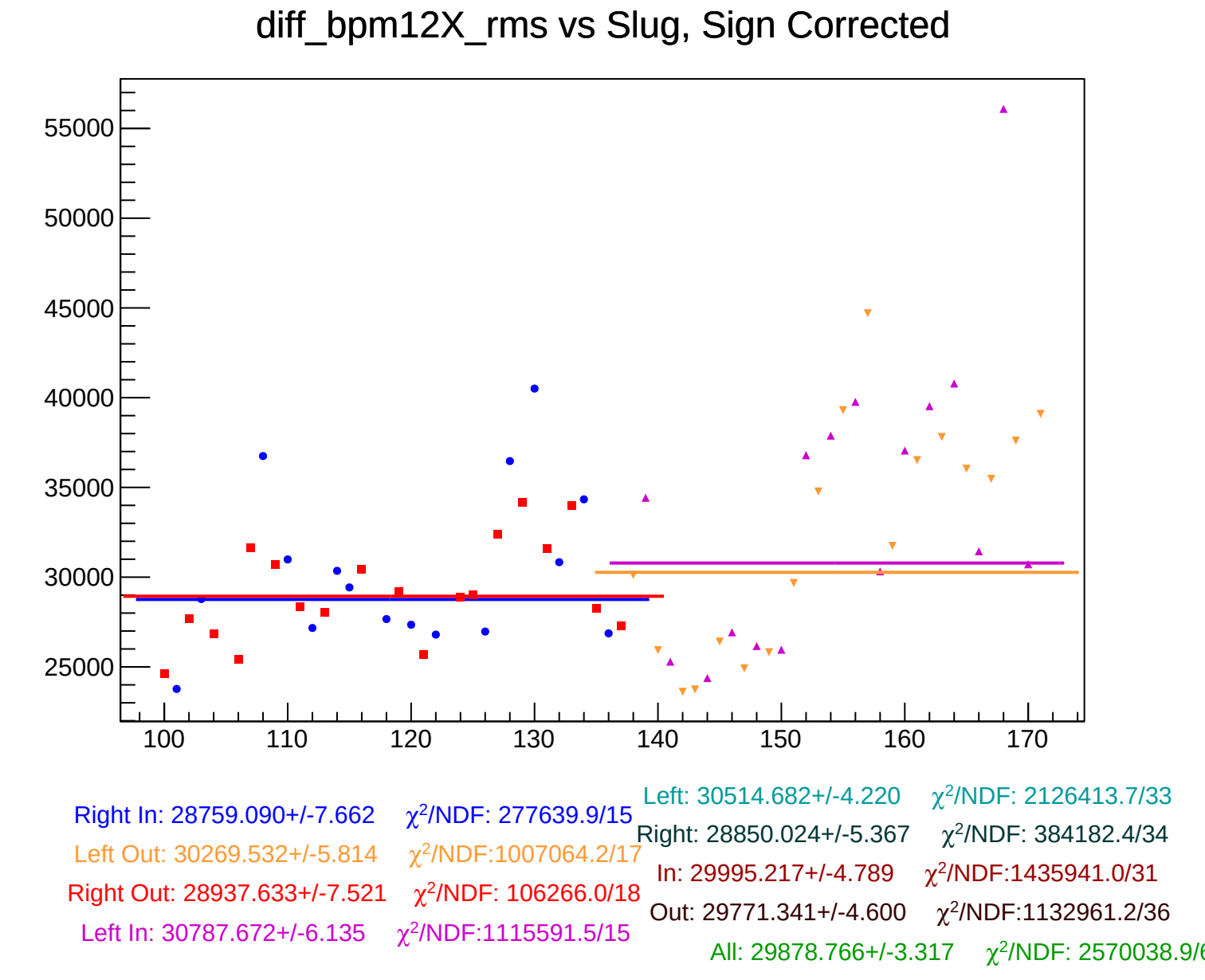
Left: 5.815+/-5.968 χ^2/NDF: 32.6/33

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

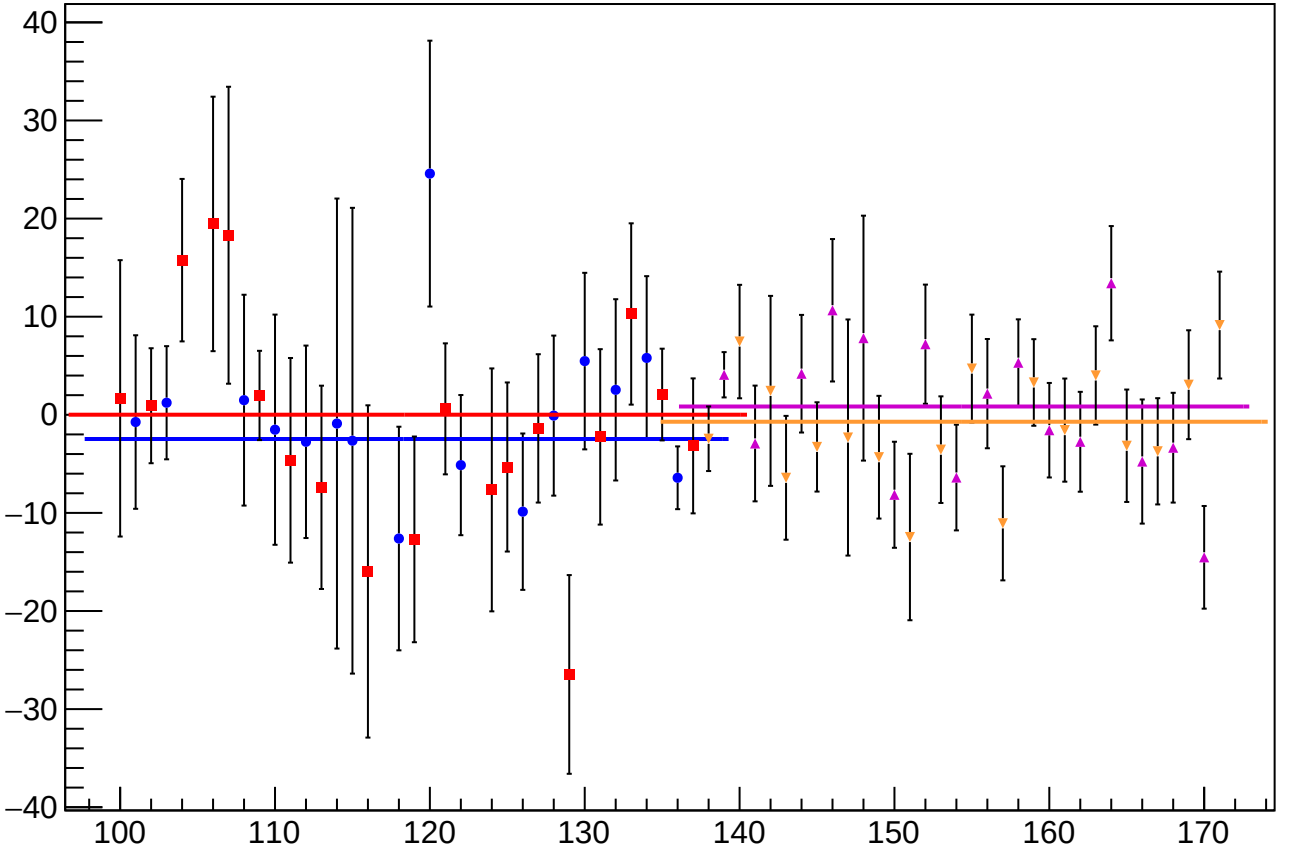
In: 0.132+/-6.773 χ^2/NDF:25.7/31

Out: 1.769+/-6.505 χ^2/NDF:41.4/36

All: 0.983+/-4.692 χ^2/NDF: 67.1/68


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: 30787.672+/-6.135 χ²/NDF:1115591.5/15
Left: 30514.682+/-4.220 χ²/NDF: 2126413.7/33
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 29995.217+/-4.789 χ²/NDF:1435941.0/31
Out: 29771.341+/-4.600 χ²/NDF:1132961.2/36
All: 29878.766+/-3.317 χ²/NDF: 2570038.9/6

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: 0.845+/-1.237 χ^2/NDF:26.9/15

Left: 0.097+/-0.891 χ^2/NDF: 43.9/33

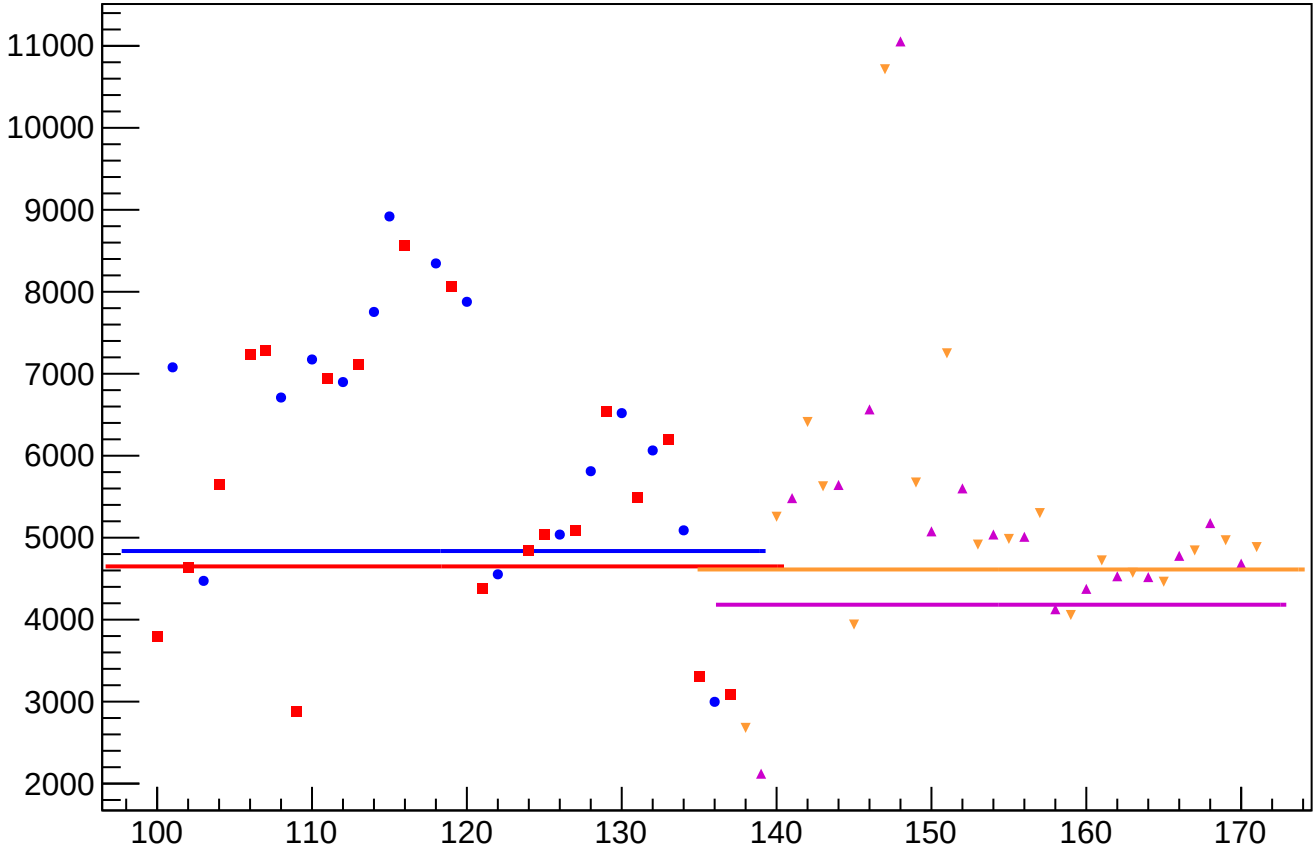
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.130+/-1.039 χ^2/NDF:39.1/31

Out: -0.471+/-1.050 χ^2/NDF:36.2/36

All: -0.299+/-0.739 χ^2/NDF: 75.4/68

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: 4182.248+/-0.875 χ^2/NDF:3009789.2/15

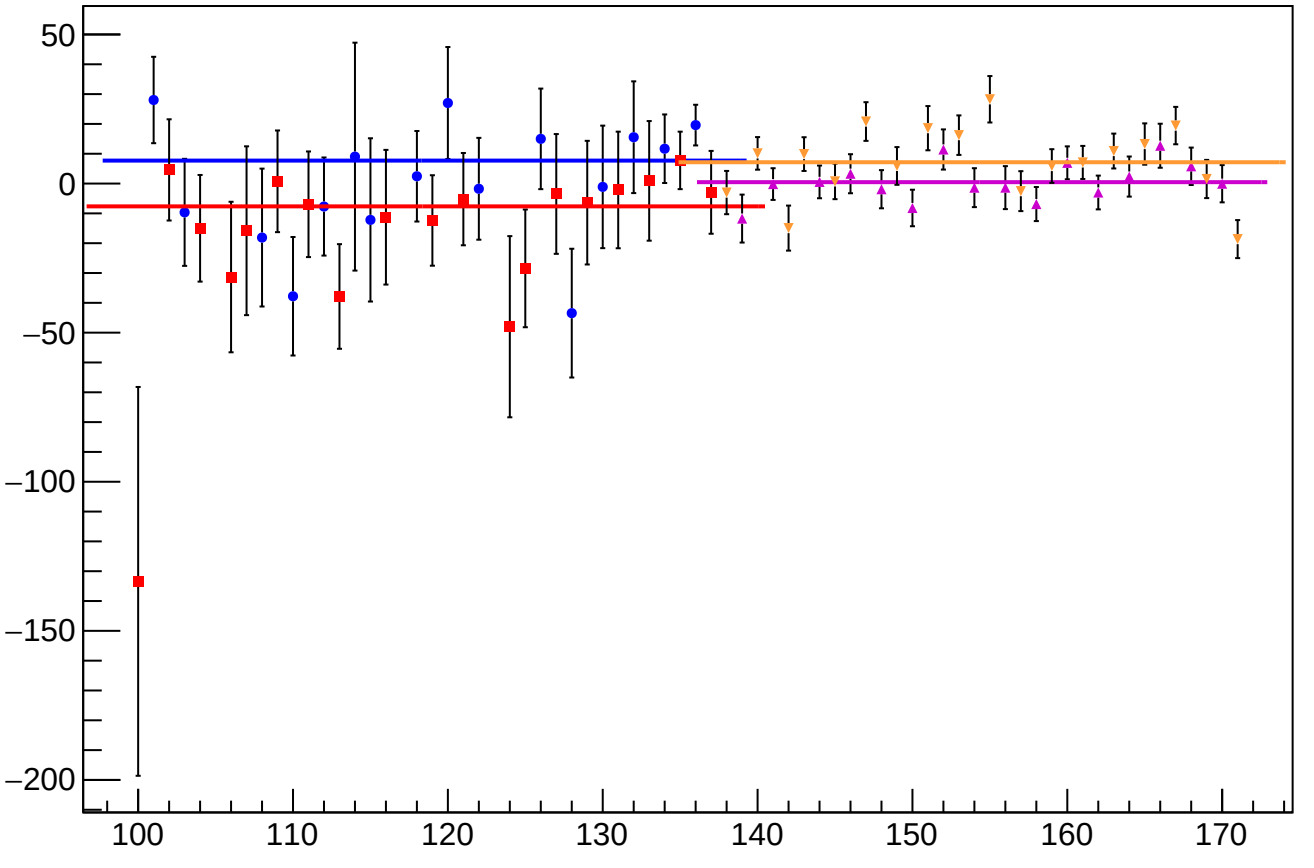
Left: 4389.350+/-0.630 χ^2/NDF: 4863677.1/33

Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

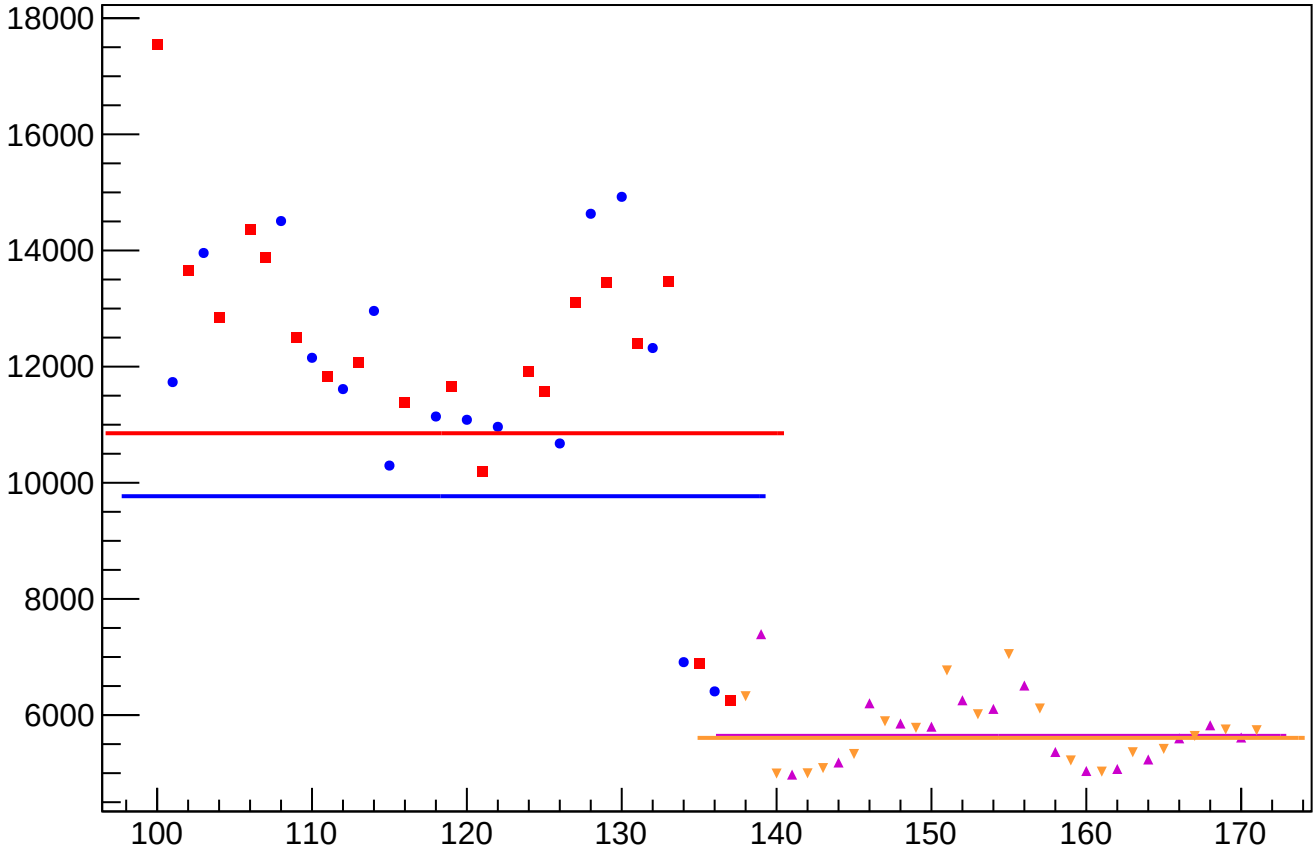
In: 4375.021+/-0.735 χ^2/NDF:4722518.2/31

Out: 4624.539+/-0.743 χ^2/NDF:3172657.4/36

All: 4498.458+/-0.522 χ^2/NDF: 7952205.4/68


diff_bpm16X_mean vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: 7.699+/-3.820 χ²/NDF: 21.6/15
Left Out: 7.152+/-1.497 χ²/NDF:52.6/17
Right Out: -7.650+/-4.099 χ²/NDF: 14.6/18
Left In: 0.468+/-1.563 χ²/NDF:14.4/15
Left: 3.955+/-1.081 χ²/NDF: 76.5/33
Right: 0.565+/-2.795 χ²/NDF: 43.7/34
In: 1.505+/-1.447 χ²/NDF:39.1/31
Out: 5.411+/-1.406 χ²/NDF:78.7/36
All: 3.514+/-1.008 χ²/NDF: 121.5/68

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: 5642.068+/-1.105 χ^2/NDF:272270.4/15

Left: 5624.011+/-0.764 χ^2/NDF: 532373.1/33

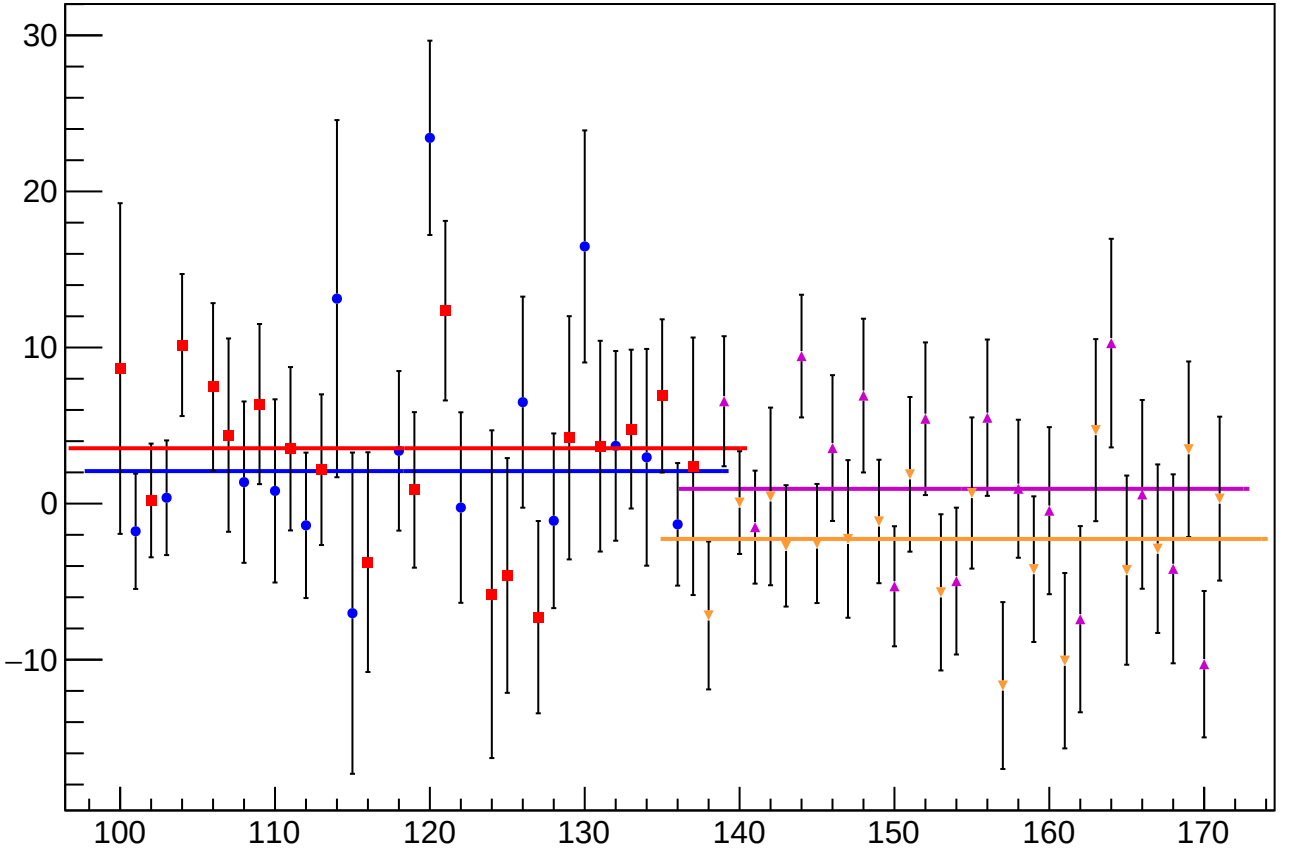
Right: 10272.667+/-1.976 χ^2/NDF: 2163082.8/34

In: 6233.915+/-1.023 χ^2/NDF:3485507.8/31

Out: 6224.463+/-0.994 χ^2/NDF:4023837.8/36

All: 6229.054+/-0.713 χ^2/NDF: 7509389.5/68

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: 0.944+/-1.181 χ^2/NDF:25.1/15

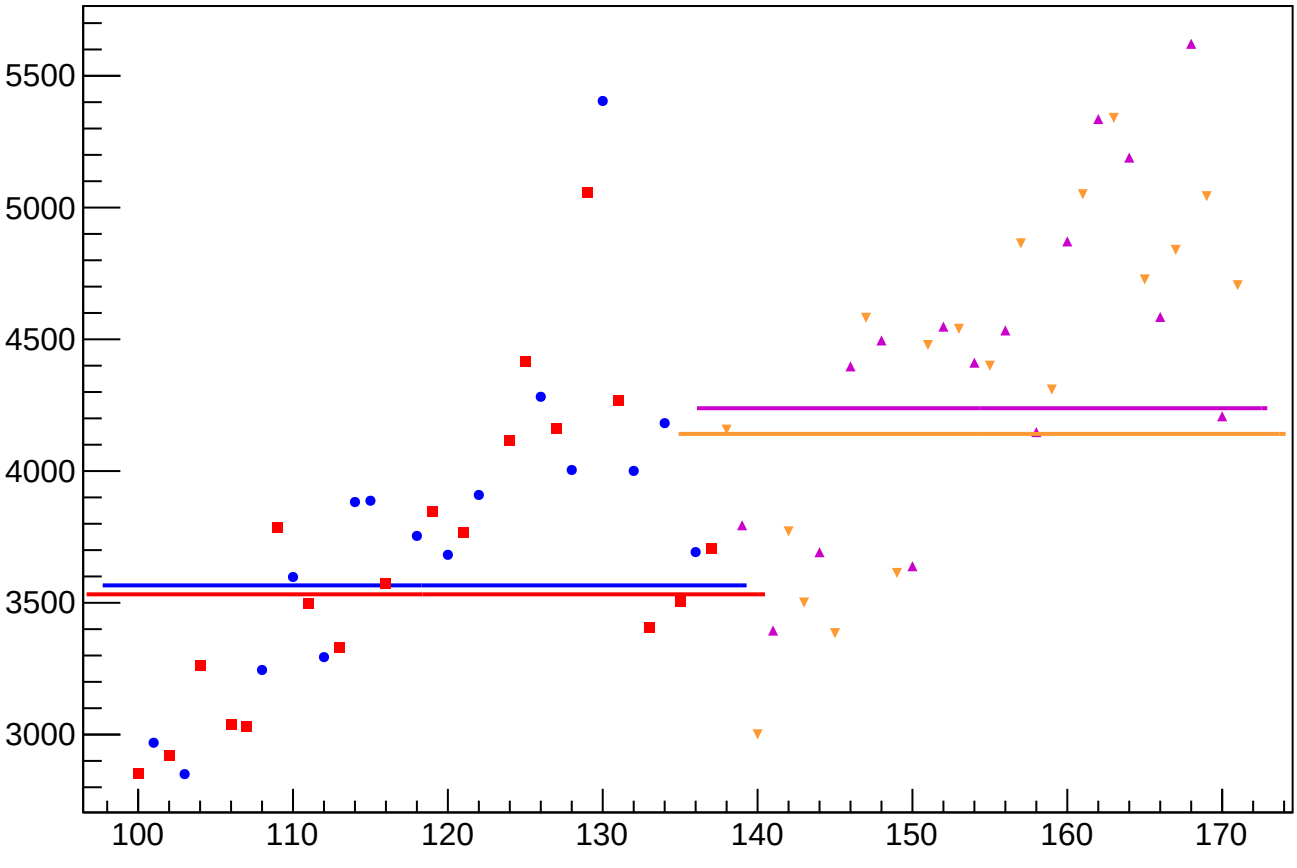
Left: -0.748+/-0.812 χ^2/NDF: 40.4/33

Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.440+/-0.888 χ^2/NDF:46.4/31

Out: 0.197+/-0.849 χ^2/NDF:36.3/36

All: 0.790+/-0.613 χ^2/NDF: 83.8/68



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: 4238.505+/-0.835 χ^2/NDF:492227.7/15

Left: 4187.096+/-0.574 χ^2/NDF: 1262150.7/33

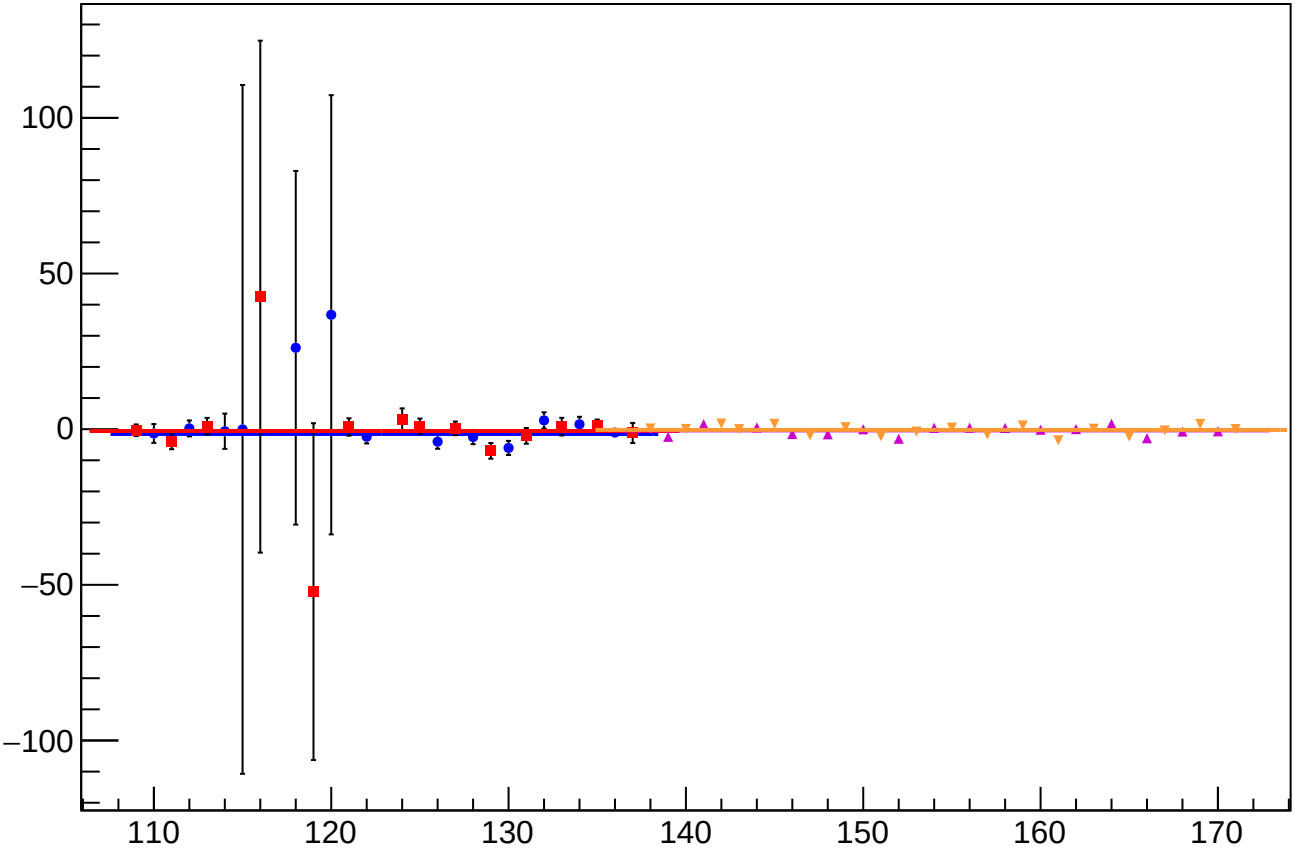
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3945.856+/-0.628 χ^2/NDF:1115450.6/31

Out: 3883.218+/-0.600 χ^2/NDF:1292748.4/36

All: 3913.135+/-0.434 χ^2/NDF: 2413402.5/68

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: -0.389+/-0.282 χ^2/NDF:24.0/15

Left: -0.311+/-0.195 χ^2/NDF: 53.6/33

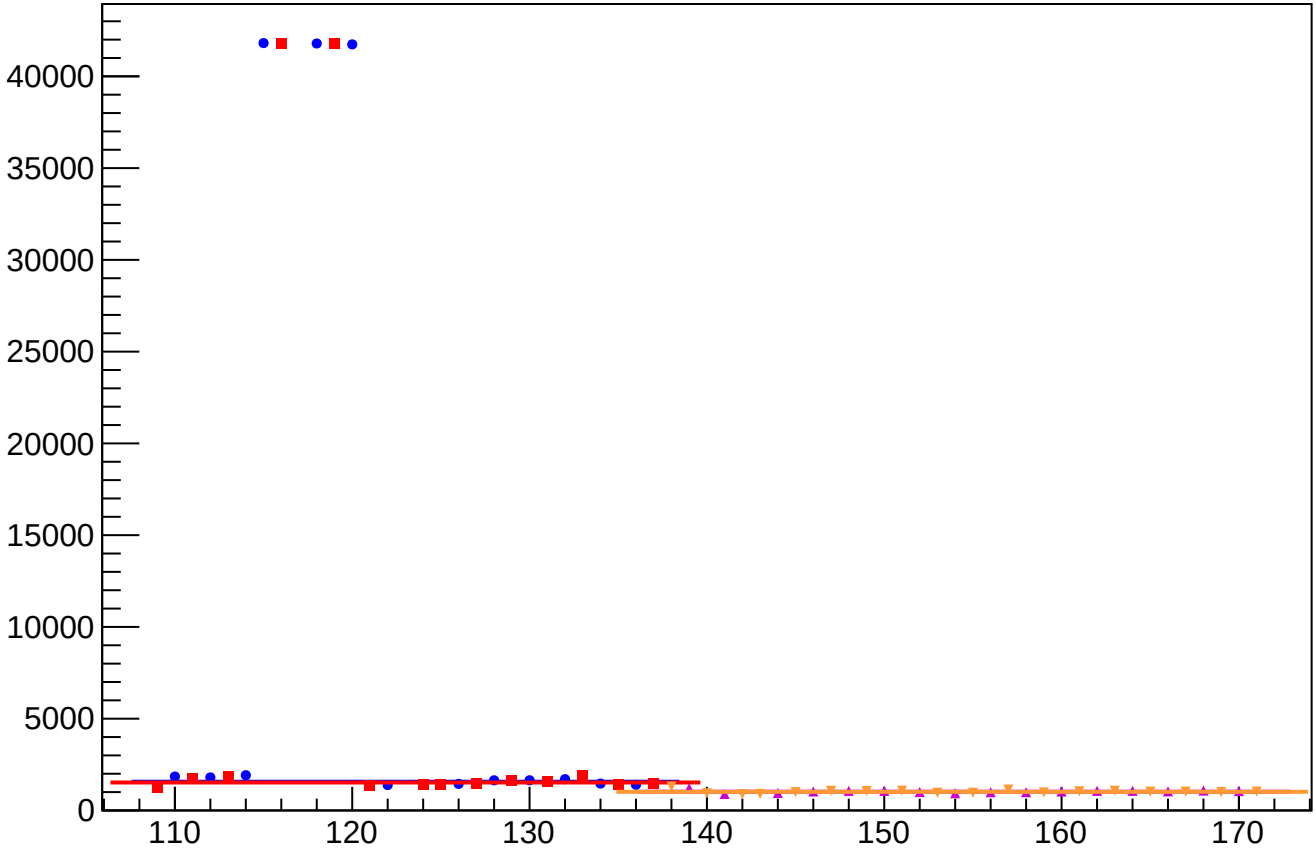
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.537+/-0.263 χ^2/NDF:37.3/28

Out: -0.283+/-0.253 χ^2/NDF:42.3/31

All: -0.405+/-0.182 χ^2/NDF: 80.0/60

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: 1020.544+/-0.199 χ^2/NDF:123836.5/15

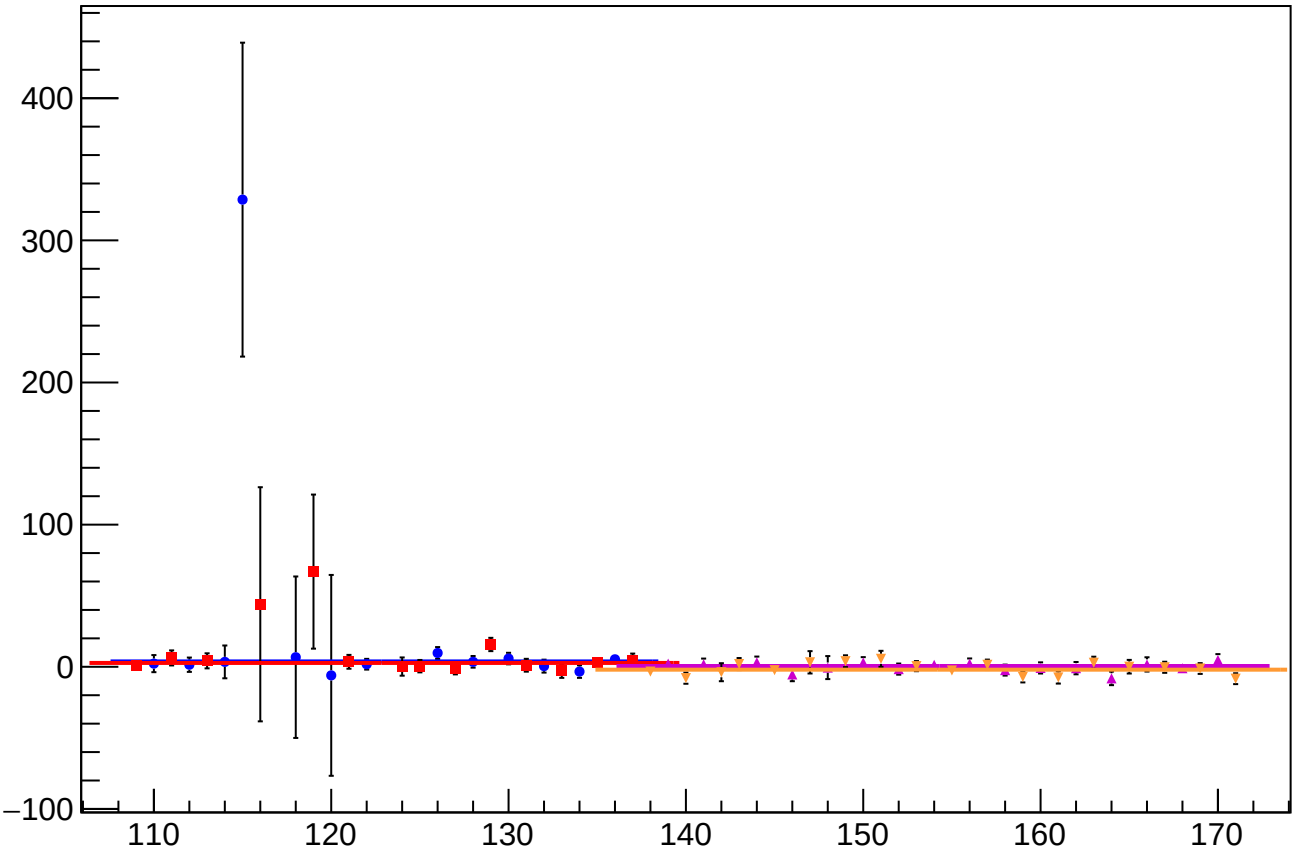
Left: 1018.052+/-0.138 χ^2/NDF: 302252.9/33

Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1090.664+/-0.186 χ^2/NDF:3100277.9/28

Out: 1079.014+/-0.179 χ^2/NDF:2796193.5/31

All: 1084.612+/-0.129 χ^2/NDF: 5898508.0/60



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: 0.553+/-0.949 χ^2/NDF:9.1/15

Left: -0.799+/-0.656 χ^2/NDF: 30.1/33

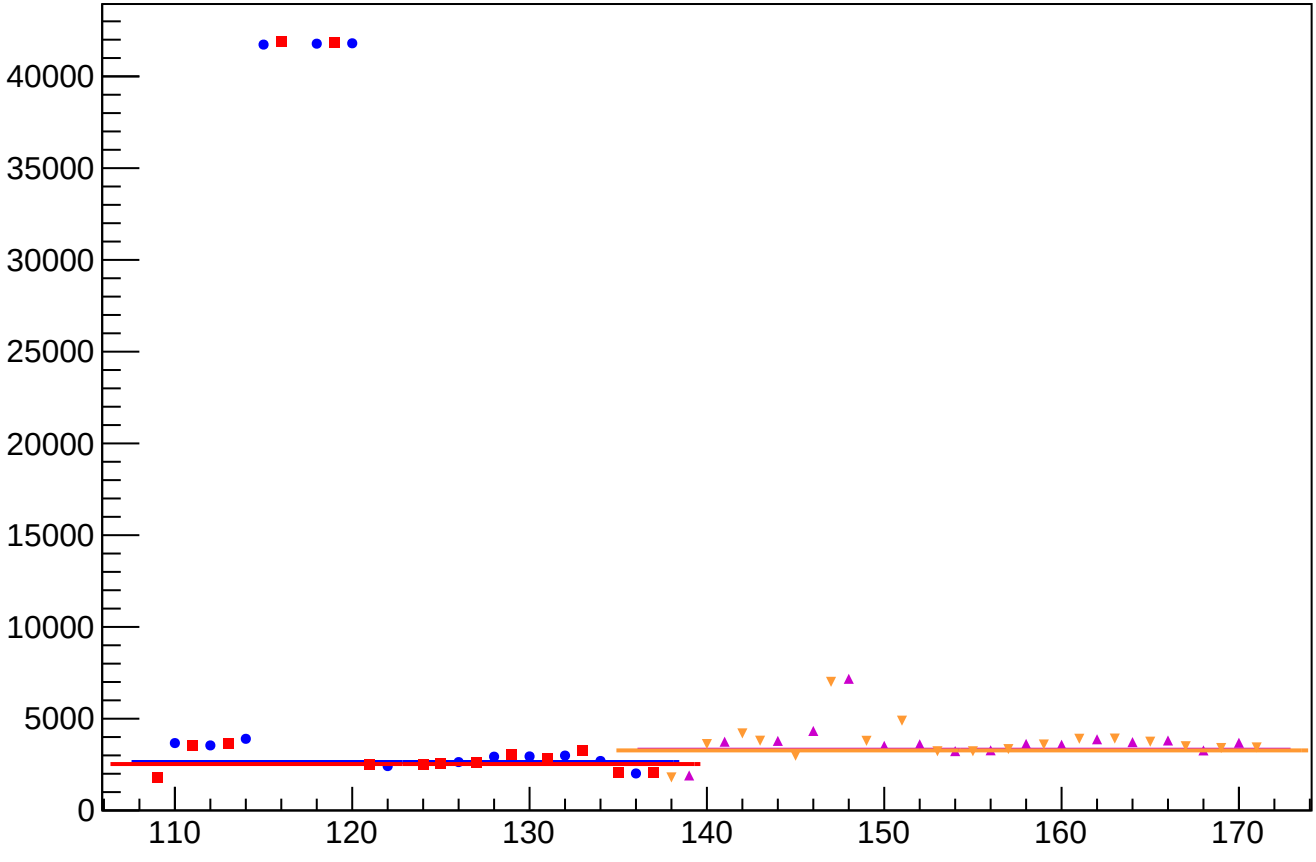
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.734+/-0.755 χ^2/NDF:28.5/28

Out: -0.329+/-0.726 χ^2/NDF:40.5/31

All: 0.661+/-0.523 χ^2/NDF: 72.9/60

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: 3309.590+/-0.671 χ^2/NDF:1608295.9/15

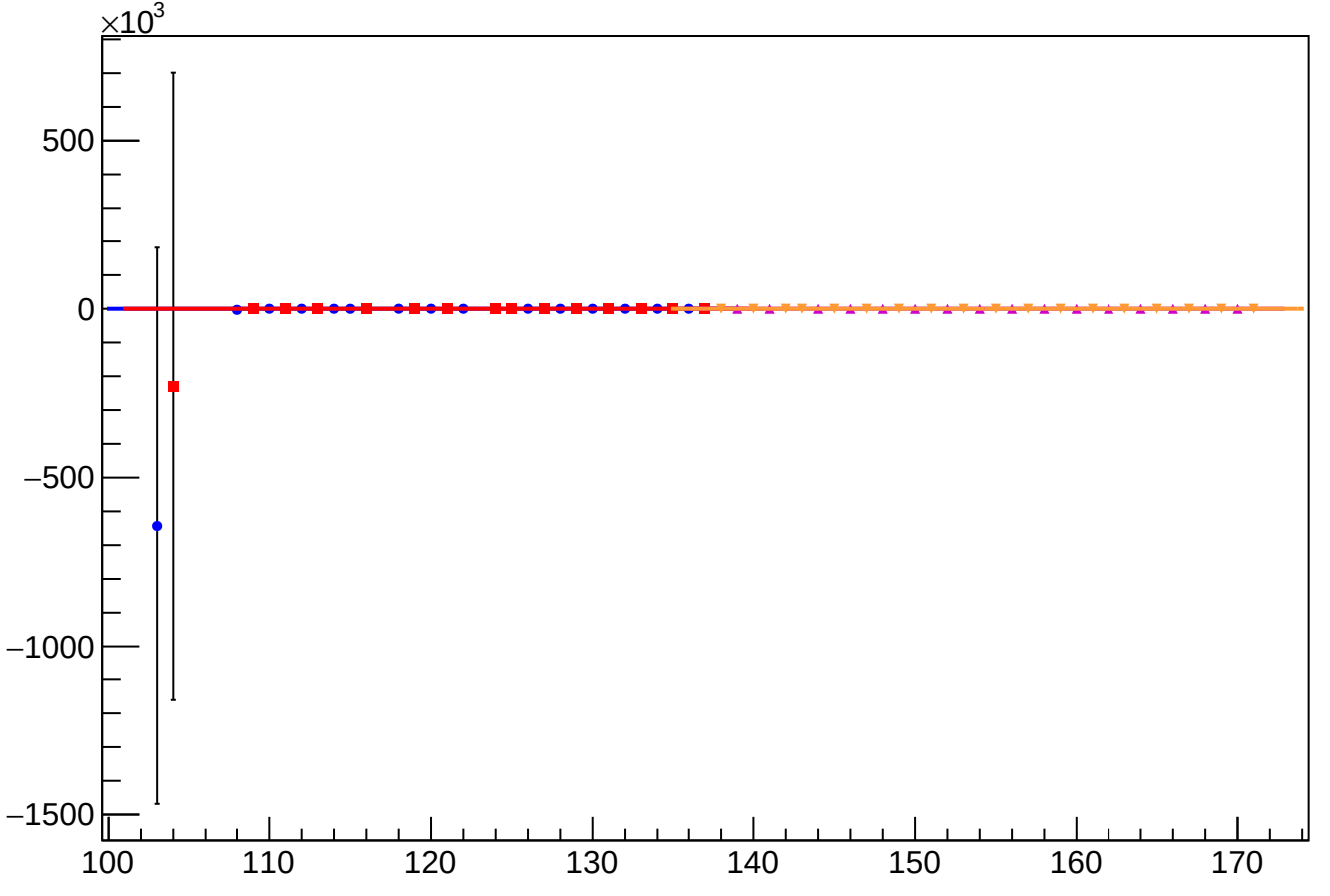
Left: 3290.089+/-0.464 χ^2/NDF: 3483302.2/33

Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3064.318+/-0.534 χ^2/NDF:4146416.8/28

Out: 3005.313+/-0.513 χ^2/NDF:4306178.5/31

All: 3033.631+/-0.370 χ^2/NDF: 8458940.1/60



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: -0.214+/-0.441 χ^2/NDF:17.2/15

Left: -1.031+/-0.305 χ^2/NDF: 66.1/33

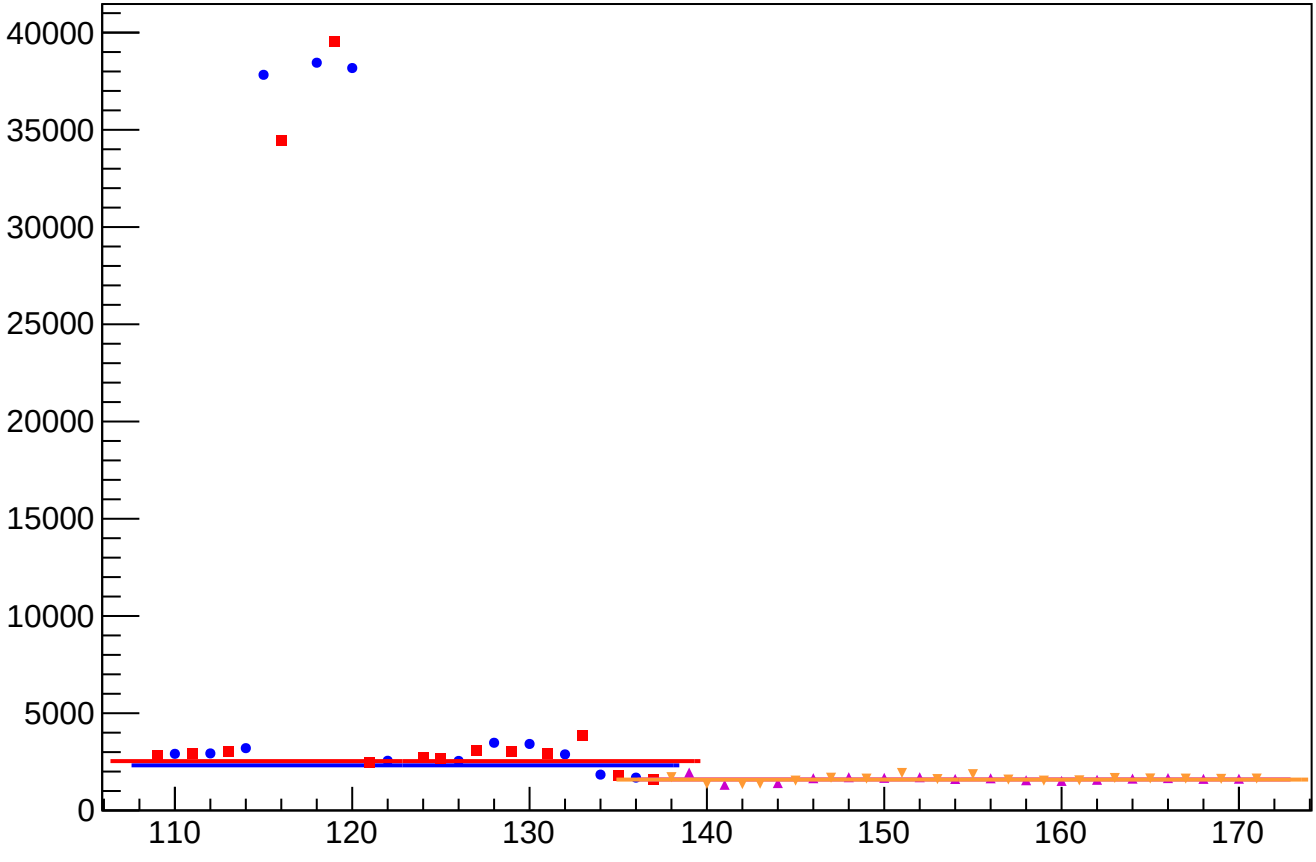
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.347+/-0.411 χ^2/NDF:36.7/30

Out: -1.299+/-0.399 χ^2/NDF:68.8/32

All: -0.836+/-0.286 χ^2/NDF: 108.2/63

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: 1594.693+/-0.312 χ^2/NDF:196045.0/15

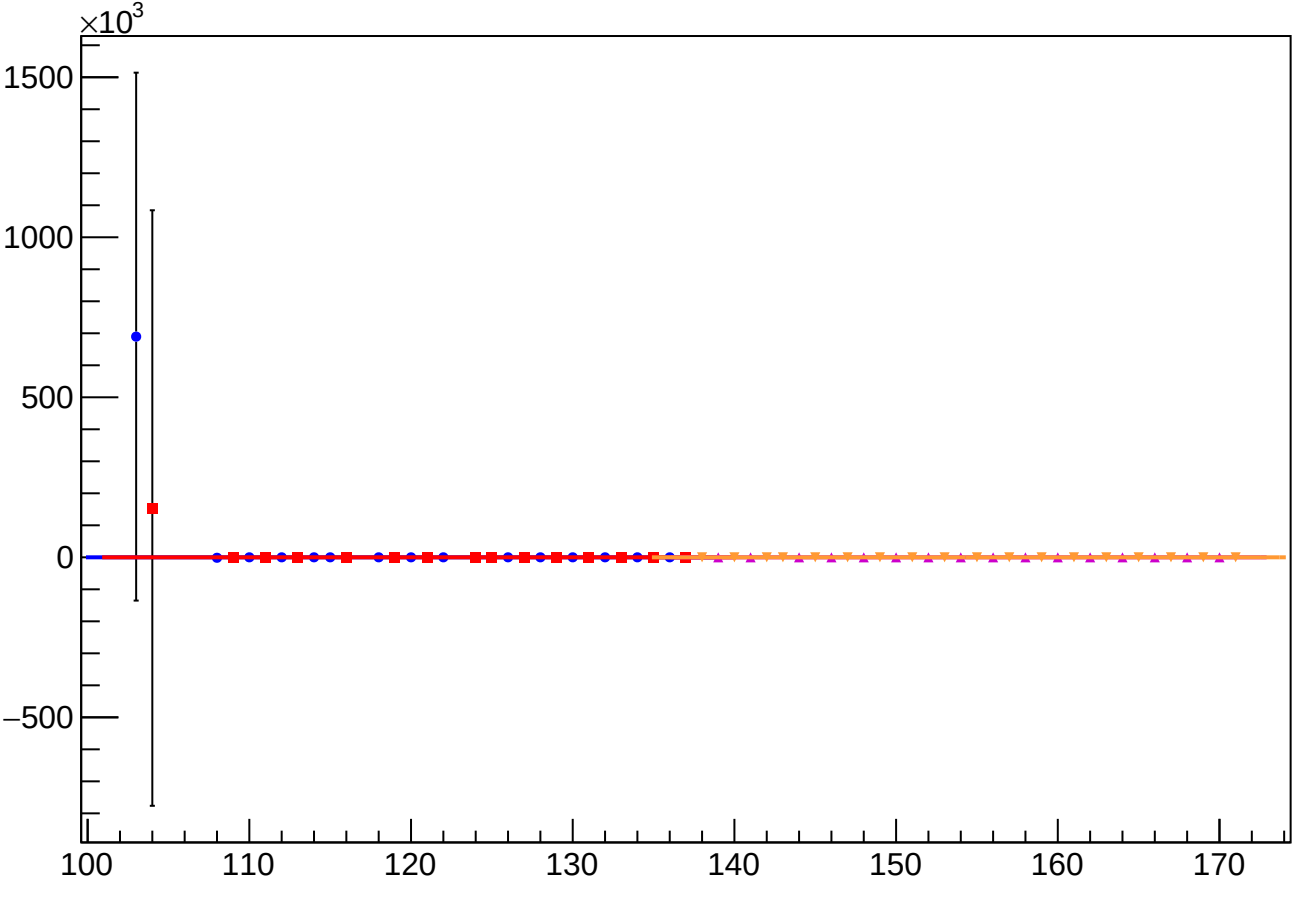
Left: 1590.854+/-0.216 χ^2/NDF: 426376.0/33

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1691.421+/-0.290 χ^2/NDF:3378548.2/28

Out: 1690.699+/-0.282 χ^2/NDF:3365542.4/31

All: 1691.050+/-0.203 χ^2/NDF: 6744093.8/60



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: 0.053+/-0.586 χ^2/NDF:12.7/15

Left: -0.486+/-0.414 χ^2/NDF: 35.1/33

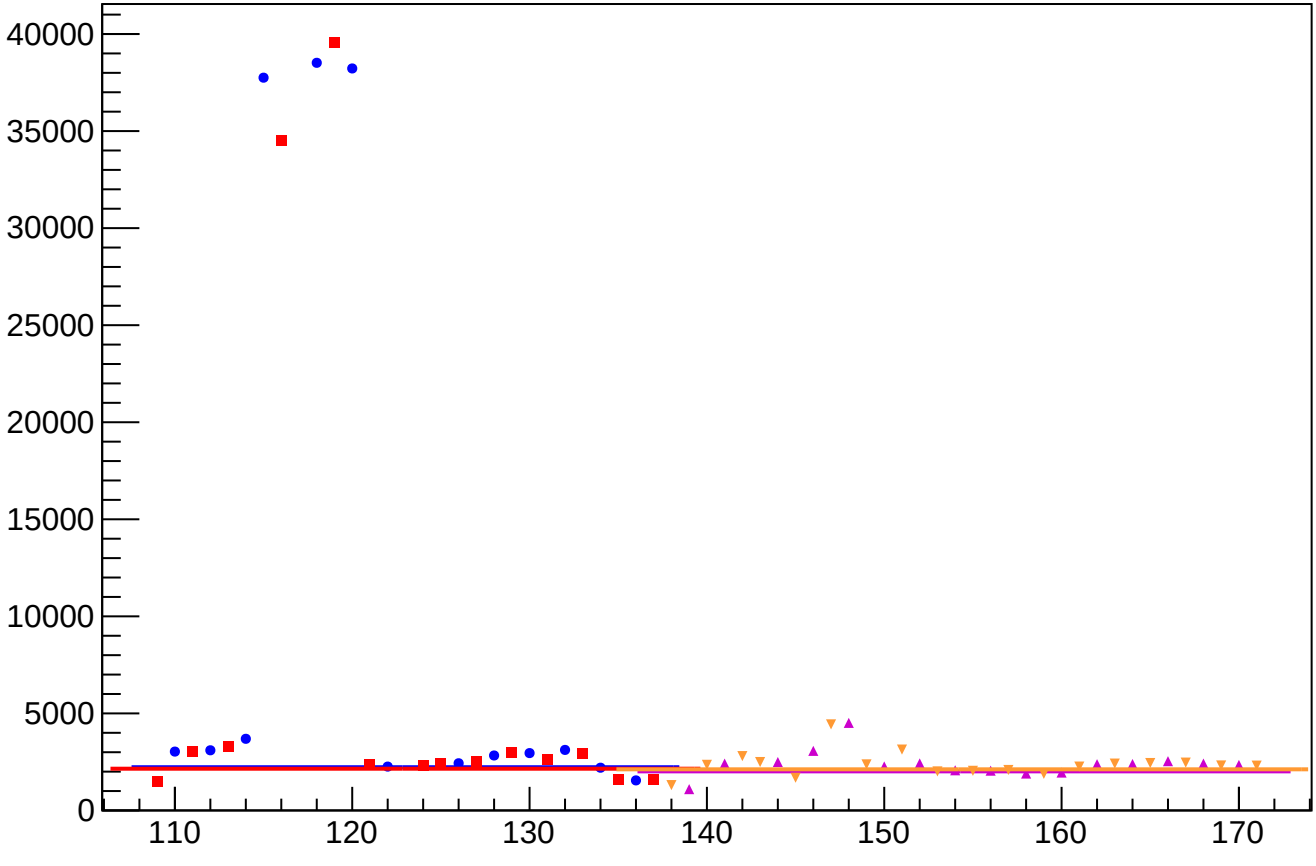
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.431+/-0.514 χ^2/NDF:19.5/30

Out: -0.334+/-0.512 χ^2/NDF:42.0/32

All: 0.047+/-0.363 χ^2/NDF: 62.6/63

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: 2014.490+/-0.414 χ^2/NDF:2243239.7/15

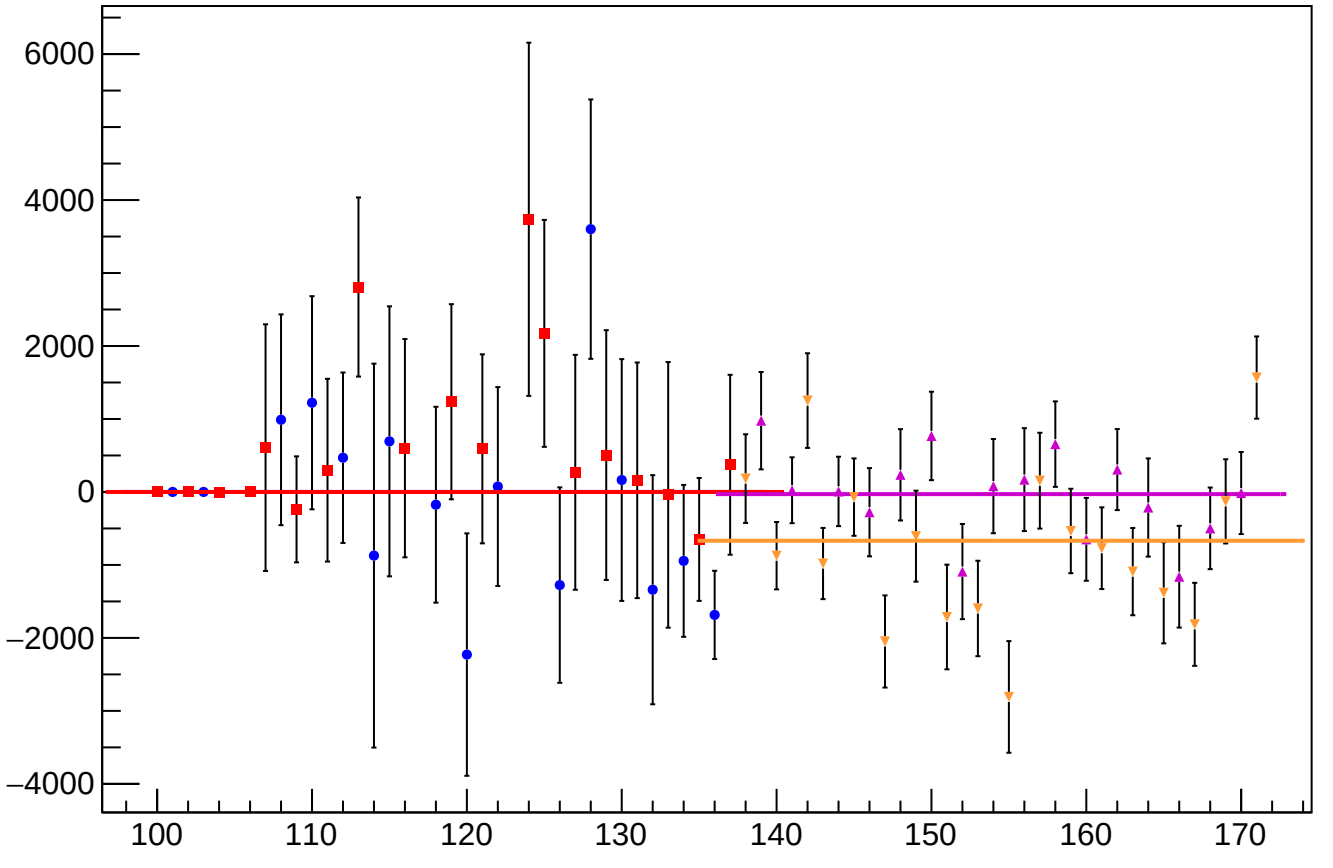
Left: 2066.728+/-0.293 χ^2/NDF: 3740792.2/33

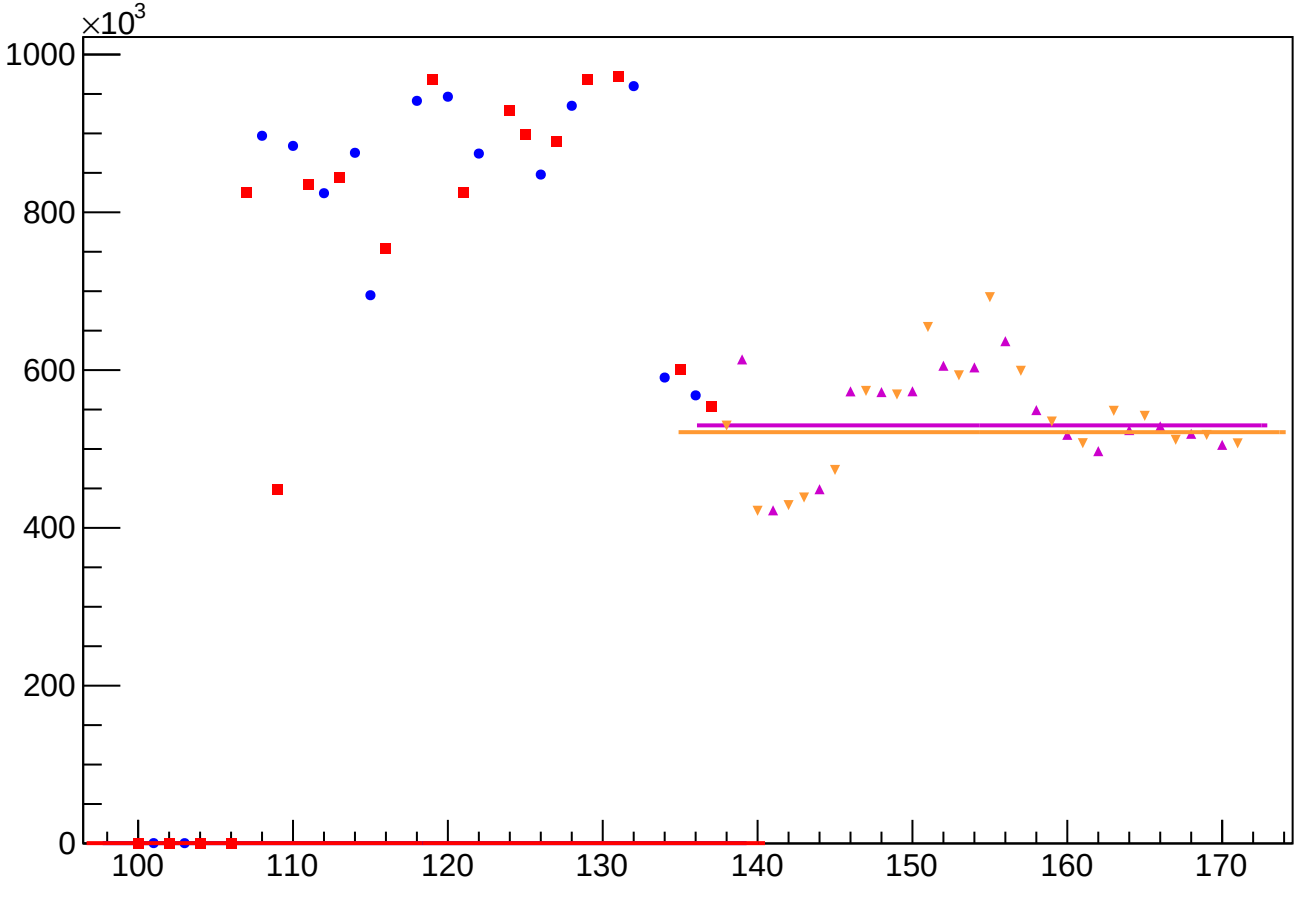
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2063.013+/-0.364 χ^2/NDF:4825646.9/28

Out: 2126.683+/-0.362 χ^2/NDF:3698369.1/31

All: 2094.974+/-0.257 χ^2/NDF: 8539396.2/60


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -668.356+/-139.700 χ²/NDF:53.3/17
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: -29.600+/-147.044 χ²/NDF:13.5/15
Left: -365.328+/-101.280 χ²/NDF: 76.7/33
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.255+/-0.356 χ²/NDF:31.3/31
Out: -0.100+/-0.328 χ²/NDF:91.6/36
All: 0.063+/-0.241 χ²/NDF: 123.4/68



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: 529927.540+/-103.976 χ^2/NDF:346093.0/15

Left: 525401.682+/-71.615 χ^2/NDF: 814999.2/33

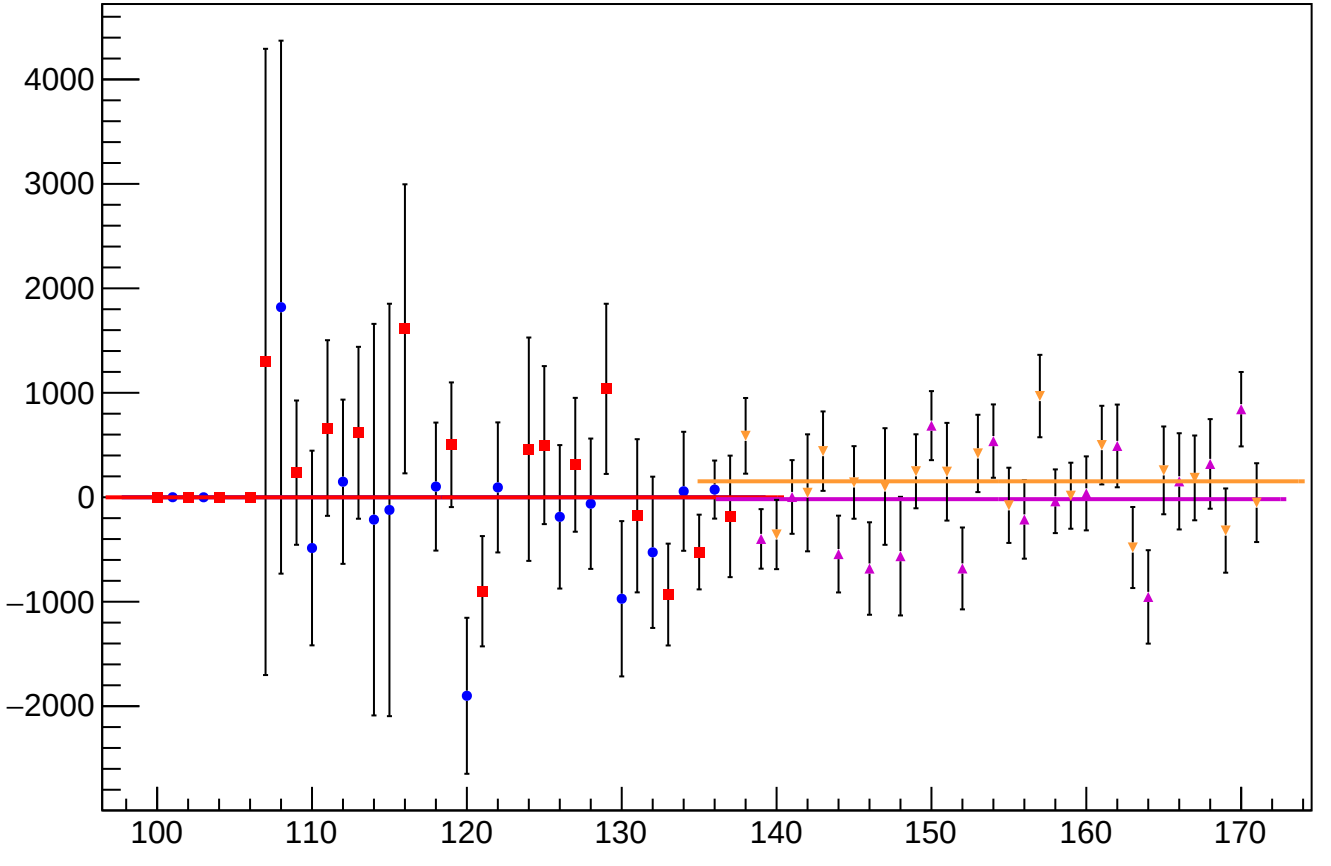
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 401.979+/-0.251 χ^2/NDF:34774325.7/30

Out: 396.108+/-0.232 χ^2/NDF:35922845.8/35

All: 398.804+/-0.170 χ^2/NDF: 70697466.3/66

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: -18.157+/-93.269 χ^2/NDF:29.8/15

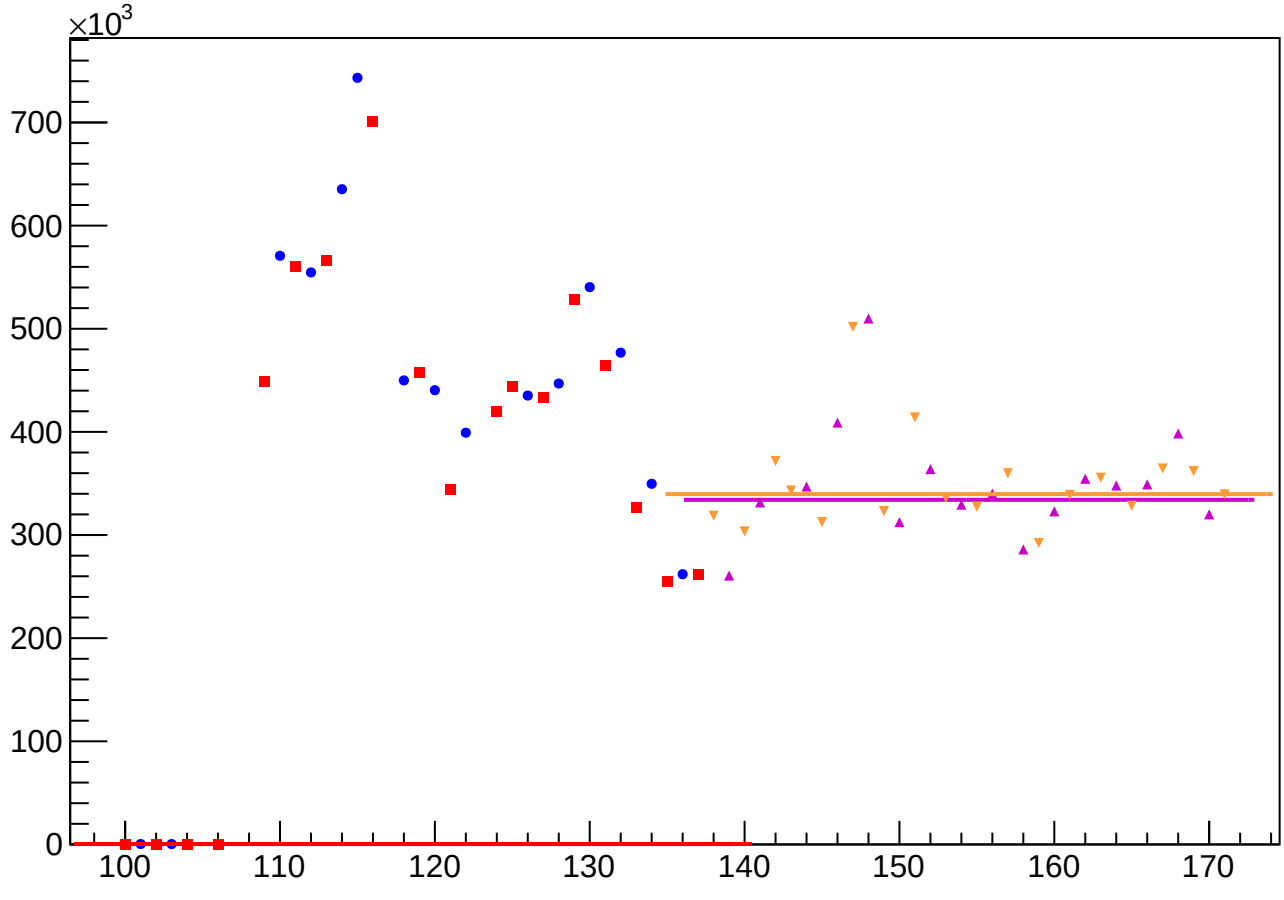
Left: 69.428+/-65.113 χ^2/NDF: 46.7/33

Right: -0.330+/-0.237 χ^2/NDF: 27.0/34

In: -0.021+/-0.347 χ^2/NDF:40.3/31

Out: -0.597+/-0.324 χ^2/NDF:33.0/36

All: -0.329+/-0.237 χ^2/NDF: 74.8/68



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: 334153.317+/-65.956 χ^2/NDF:514295.3/15

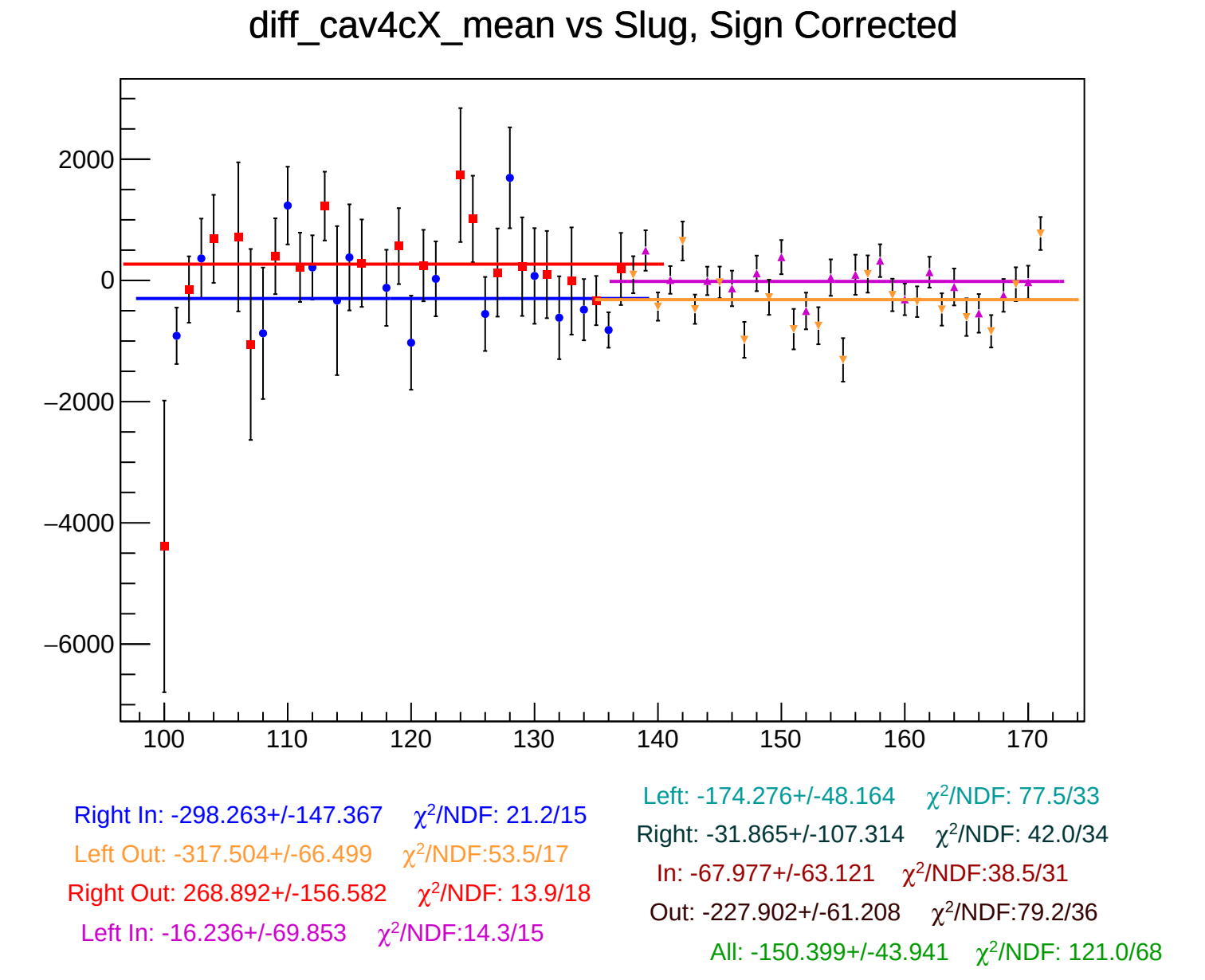
Left: 336988.105+/-46.043 χ^2/NDF: 862253.0/33

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

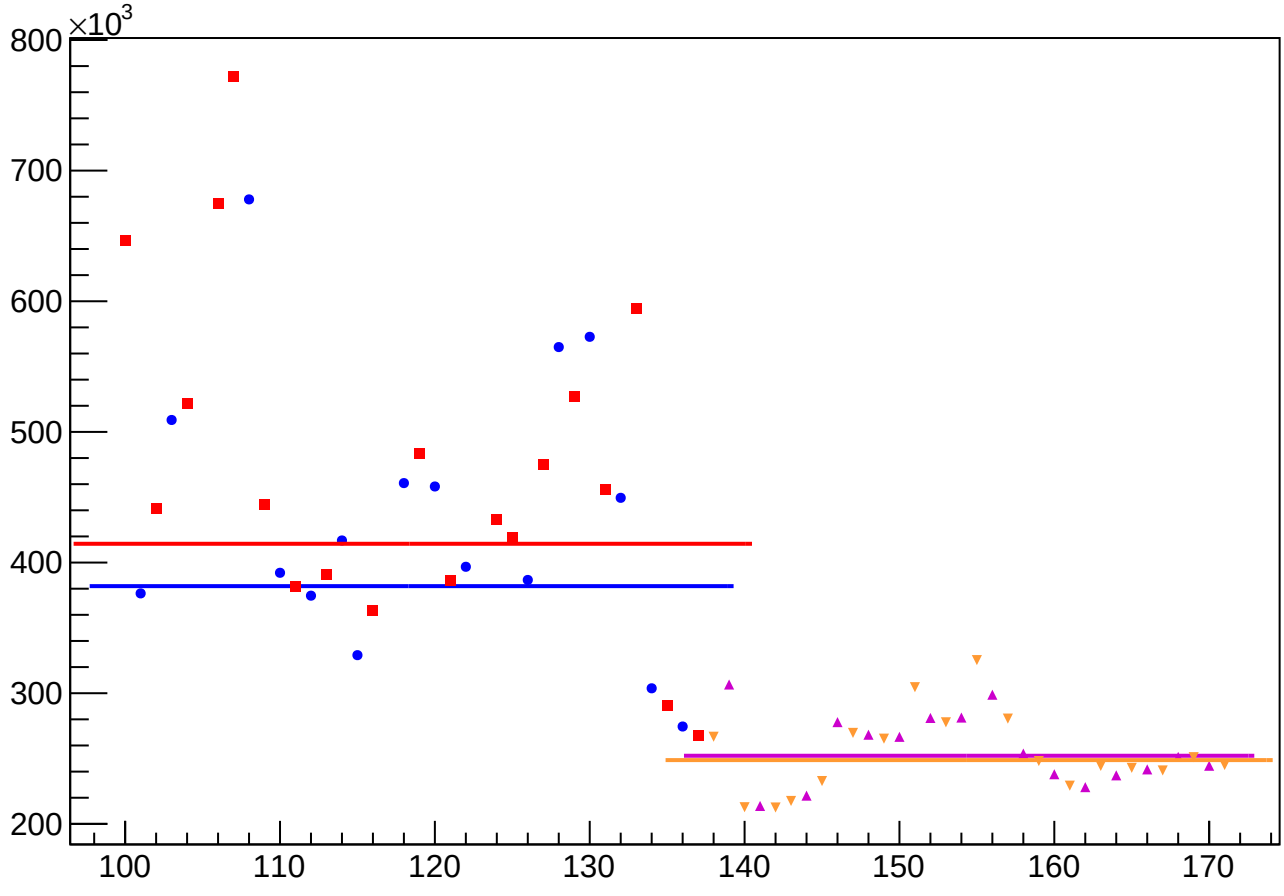
In: 394.898+/-0.245 χ^2/NDF:37254097.1/30

Out: 392.286+/-0.229 χ^2/NDF:39257530.7/35

All: 393.501+/-0.167 χ^2/NDF: 76511688.5/66


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: -16.236+/-69.853 χ²/NDF:14.3/15
Left: -174.276+/-48.164 χ²/NDF: 77.5/33
Right: -31.865+/-107.314 χ²/NDF: 42.0/34
In: -67.977+/-63.121 χ²/NDF:38.5/31
Out: -227.902+/-61.208 χ²/NDF:79.2/36
All: -150.399+/-43.941 χ²/NDF: 121.0/68

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 381960.471+/-104.223 χ^2/NDF: 836441.6/15

Left Out: 248809.860+/-47.022 χ^2/NDF:338977.0/17

Right Out: 414378.043+/-110.748 χ^2/NDF: 760082.5/18

Left In: 252139.112+/-49.393 χ^2/NDF:280177.3/15

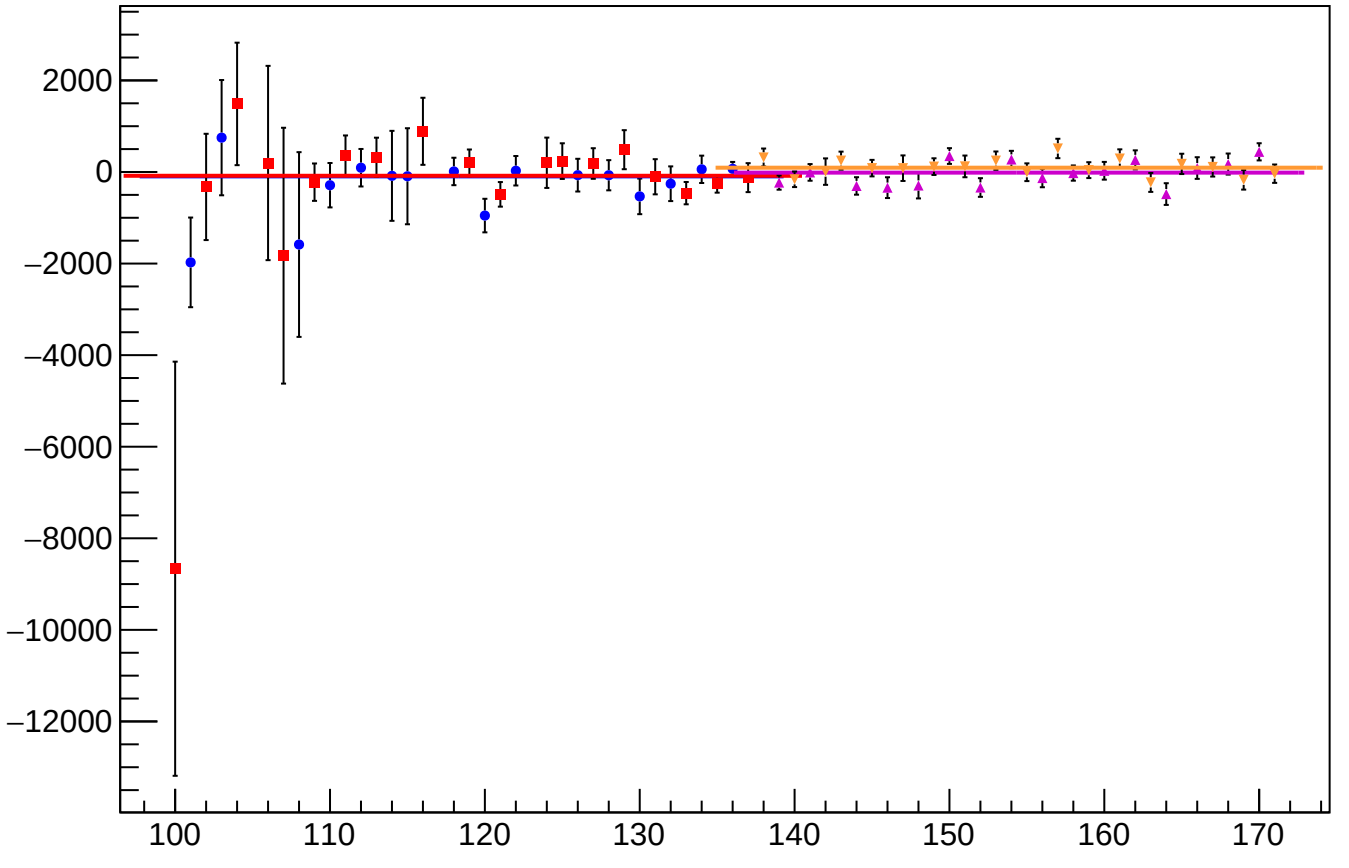
Left: 250392.643+/-34.057 χ^2/NDF: 621537.6/33

Right: 397186.164+/-75.899 χ^2/NDF: 1641963.2/34

In: 275949.286+/-44.635 χ^2/NDF:2383598.8/31

Out: 274098.197+/-43.282 χ^2/NDF:2992701.1/36

All: 274995.271+/-31.072 χ^2/NDF: 5377186.



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: -14.086+/-49.370 χ^2/NDF:29.4/15

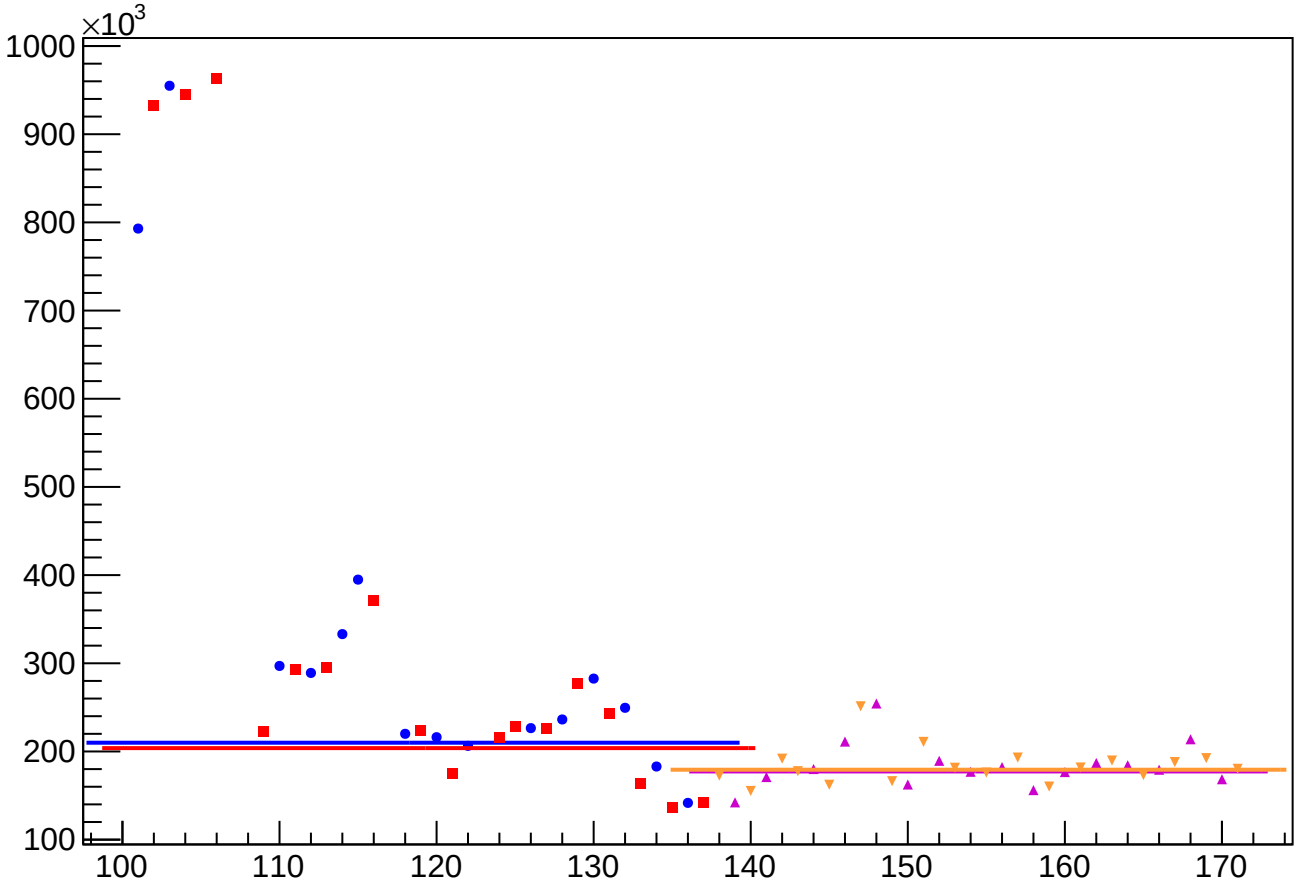
Left: 41.411+/-34.392 χ^2/NDF: 46.5/33

Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -33.570+/-43.088 χ^2/NDF:43.8/31

Out: 52.860+/-42.021 χ^2/NDF:36.9/36

All: 10.728+/-30.083 χ^2/NDF: 82.7/68



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: 177343.663+/-34.910 χ^2/NDF:413743.6/15

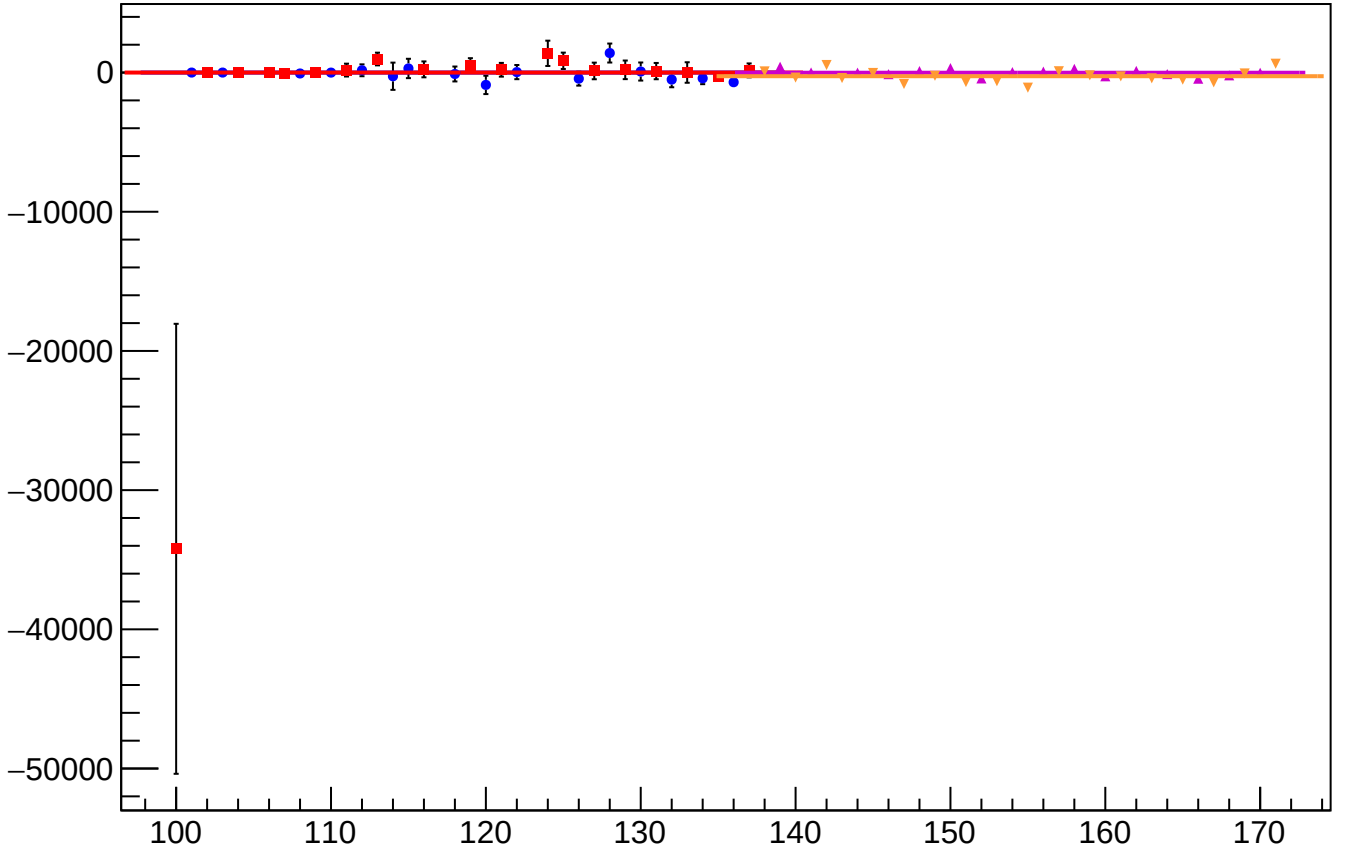
Left: 178351.609+/-24.319 χ^2/NDF: 709579.6/33

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 185088.136+/-30.480 χ^2/NDF:2580711.7/30

Out: 184952.664+/-29.730 χ^2/NDF:2485144.3/34

All: 185018.712+/-21.283 χ^2/NDF: 5065866.



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: -12.416+/-58.514 χ^2/NDF:14.1/15

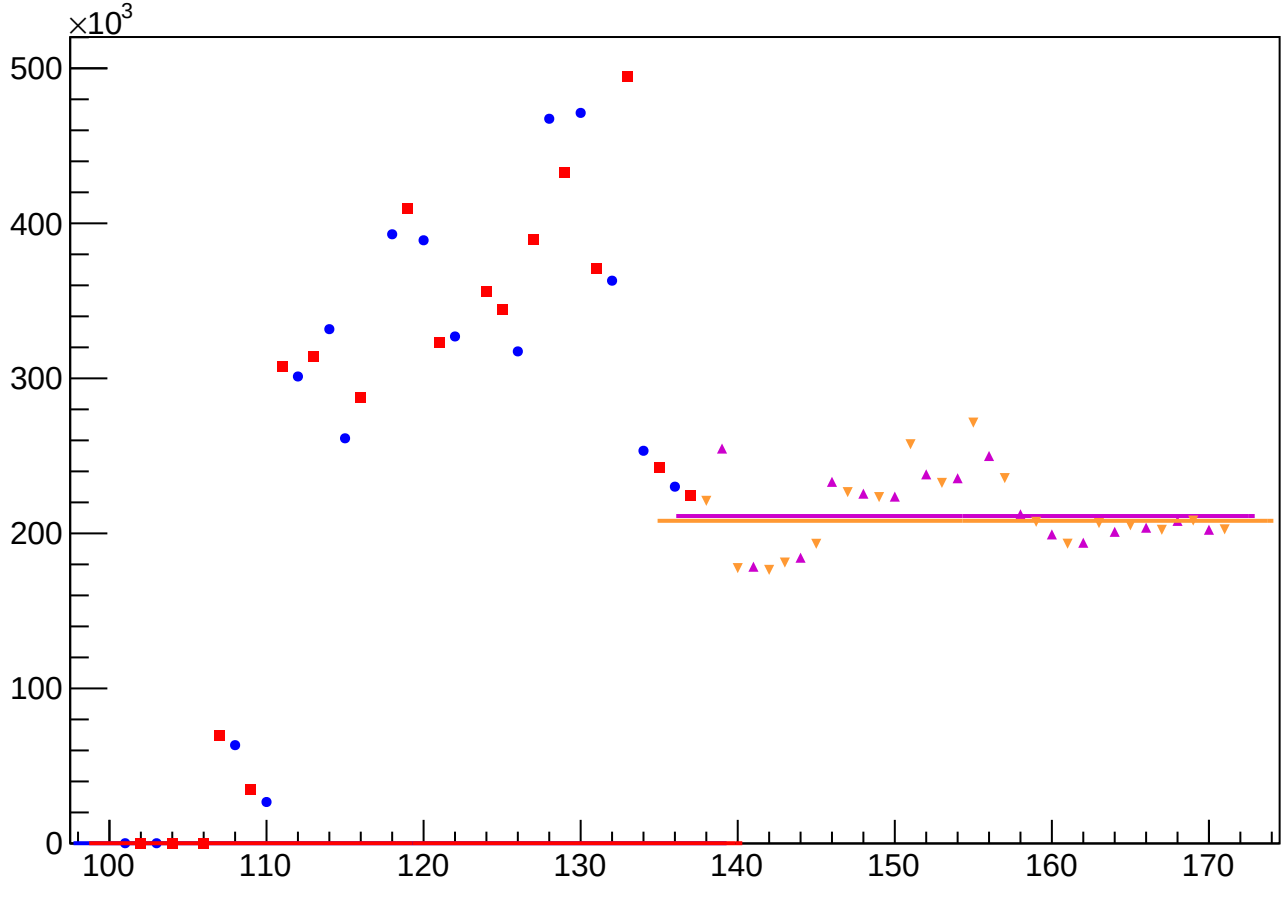
Left: -143.598+/-40.321 χ^2/NDF: 76.9/33

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:32.3/31

Out: 0.353+/-0.160 χ^2/NDF:92.0/36

All: 0.173+/-0.117 χ^2/NDF: 127.0/68



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: 211205.783+/-41.376 χ^2/NDF:281401.0/15

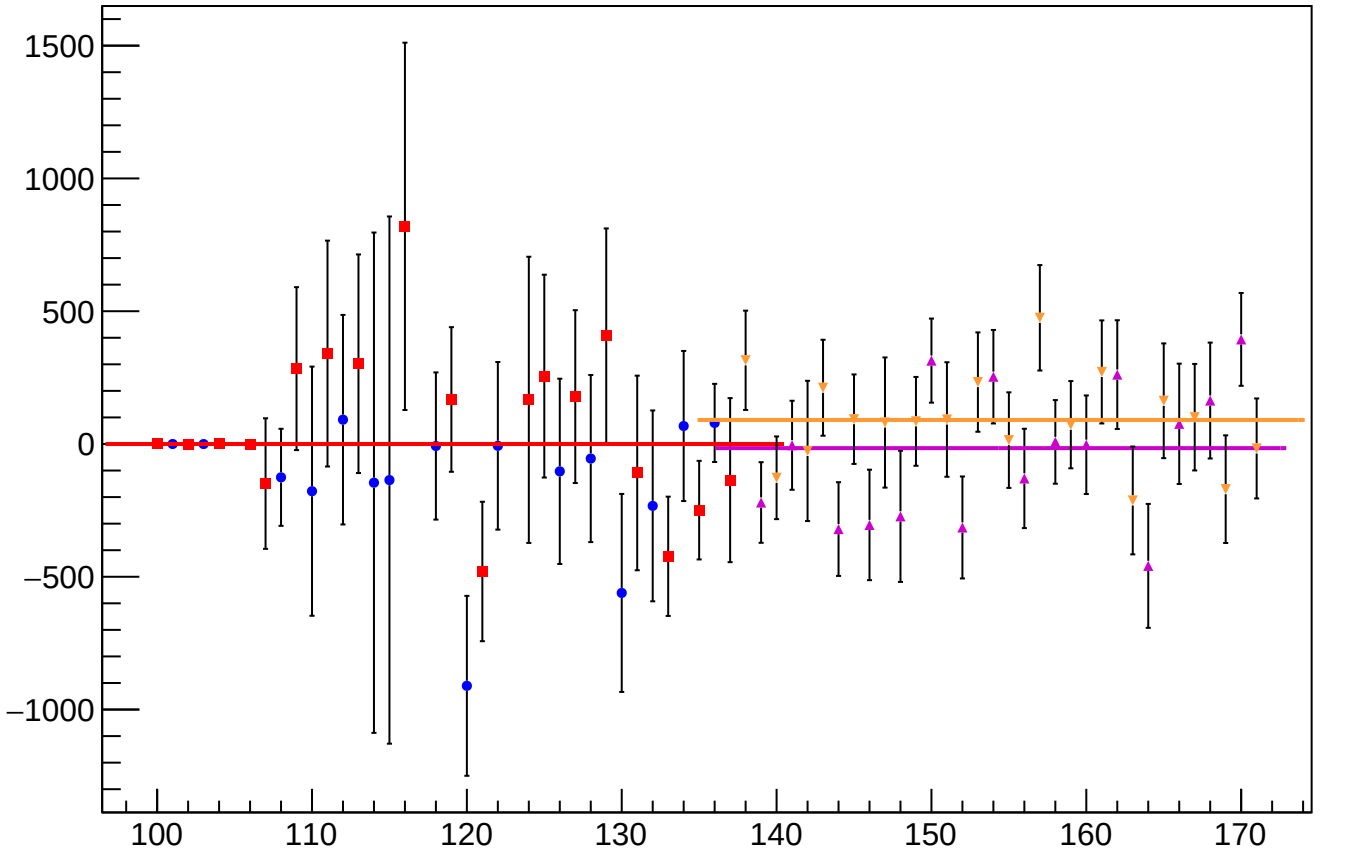
Left: 209585.749+/-28.511 χ^2/NDF: 634966.2/33

Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 150.921+/-0.122 χ^2/NDF:37602759.6/31

Out: 151.101+/-0.113 χ^2/NDF:39583123.0/35

All: 151.018+/-0.083 χ^2/NDF: 77185883.7/67



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: -15.624+/-46.459 χ^2/NDF:29.1/15

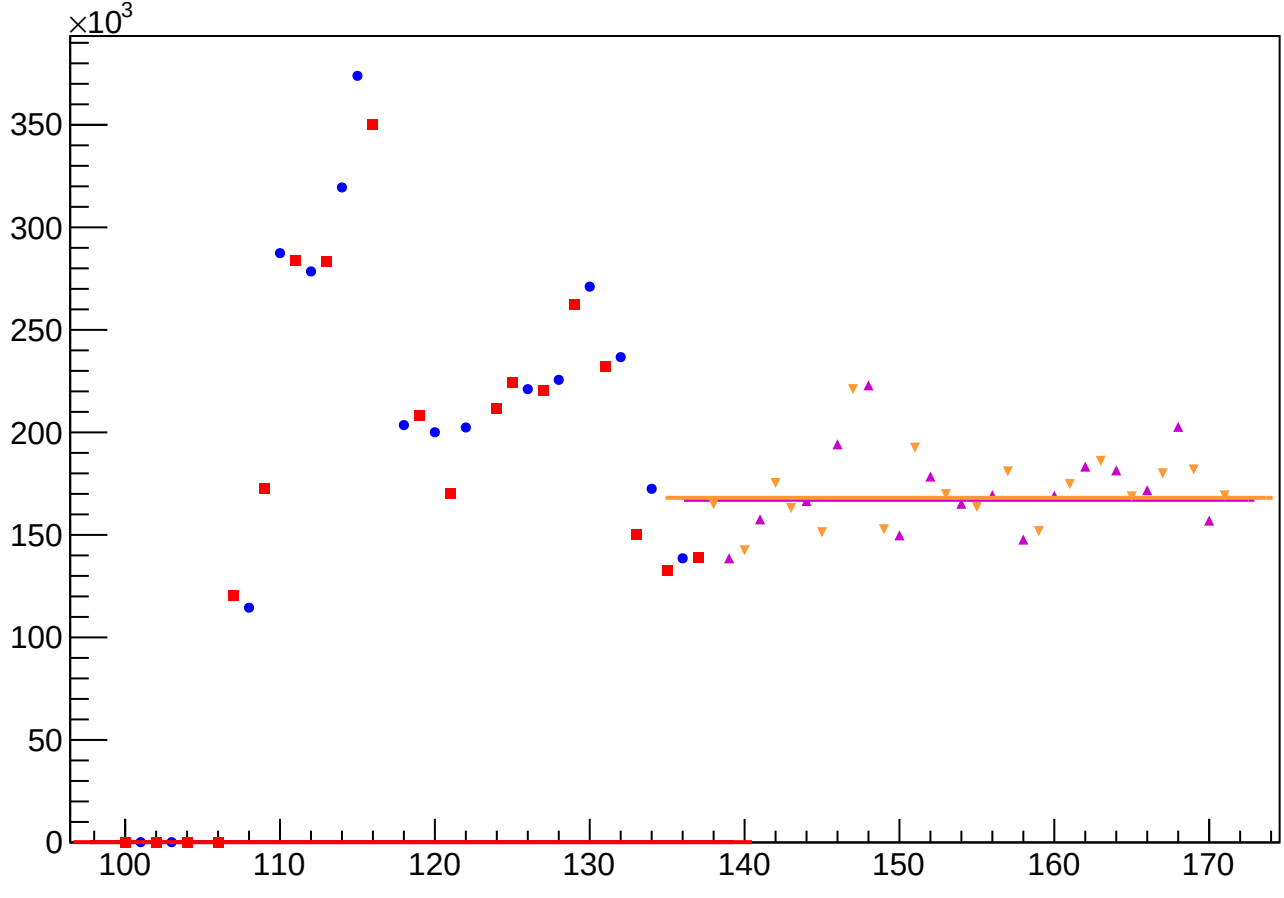
Left: 39.205+/-32.295 χ^2/NDF: 45.5/33

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:40.4/31

Out: -0.125+/-0.166 χ^2/NDF:33.1/36

All: -0.098+/-0.121 χ^2/NDF: 73.5/68



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: 167120.732+/-32.852 χ^2/NDF:356221.5/15

Left: 167622.297+/-22.836 χ^2/NDF: 634250.7/33

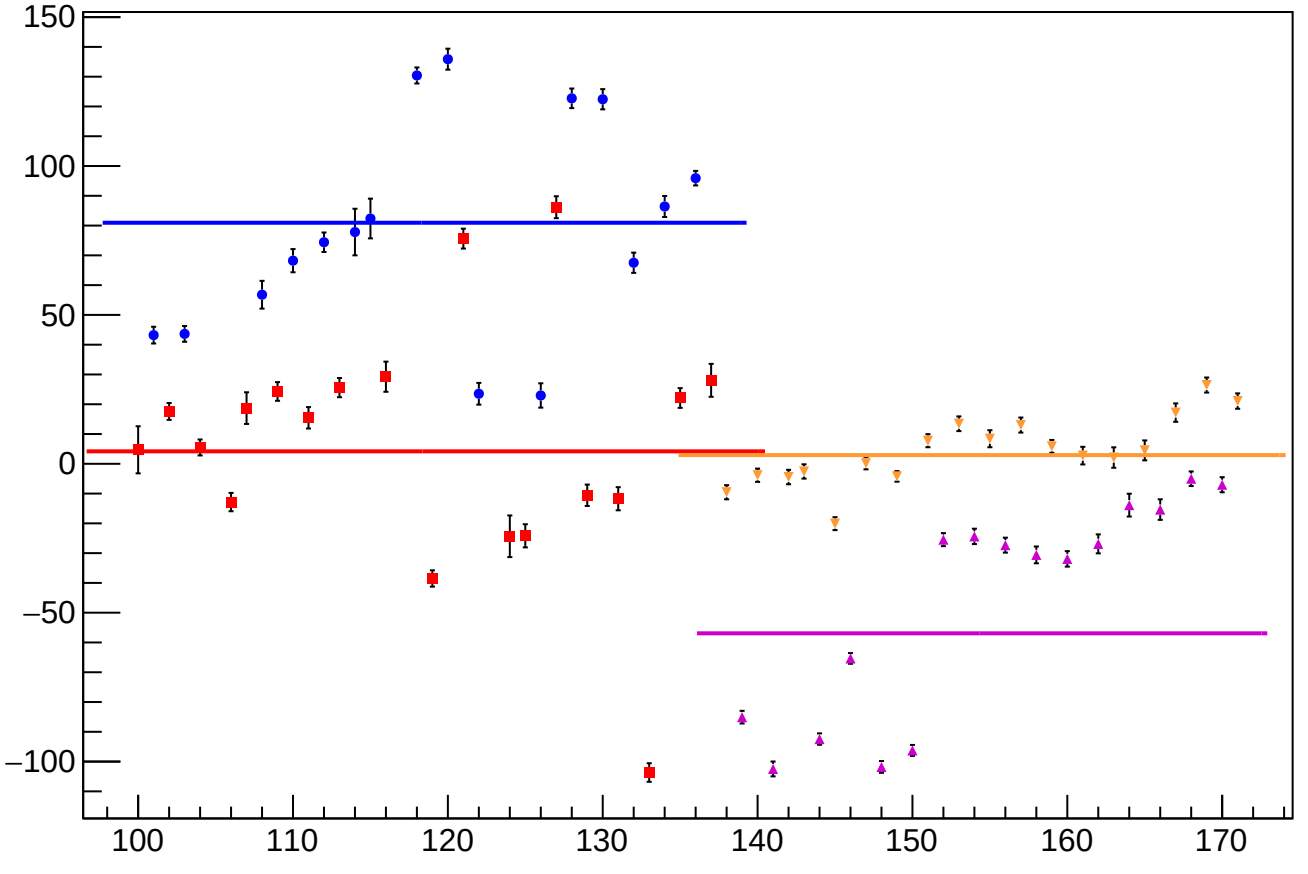
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 155.890+/-0.125 χ^2/NDF:38092125.4/31

Out: 158.464+/-0.118 χ^2/NDF:39556517.0/36

All: 157.257+/-0.086 χ^2/NDF: 77648866.6/68

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: -56.928+/-0.590 χ^2/NDF:3720.9/15

Left: -26.132+/-0.411 χ^2/NDF: 9405.5/33

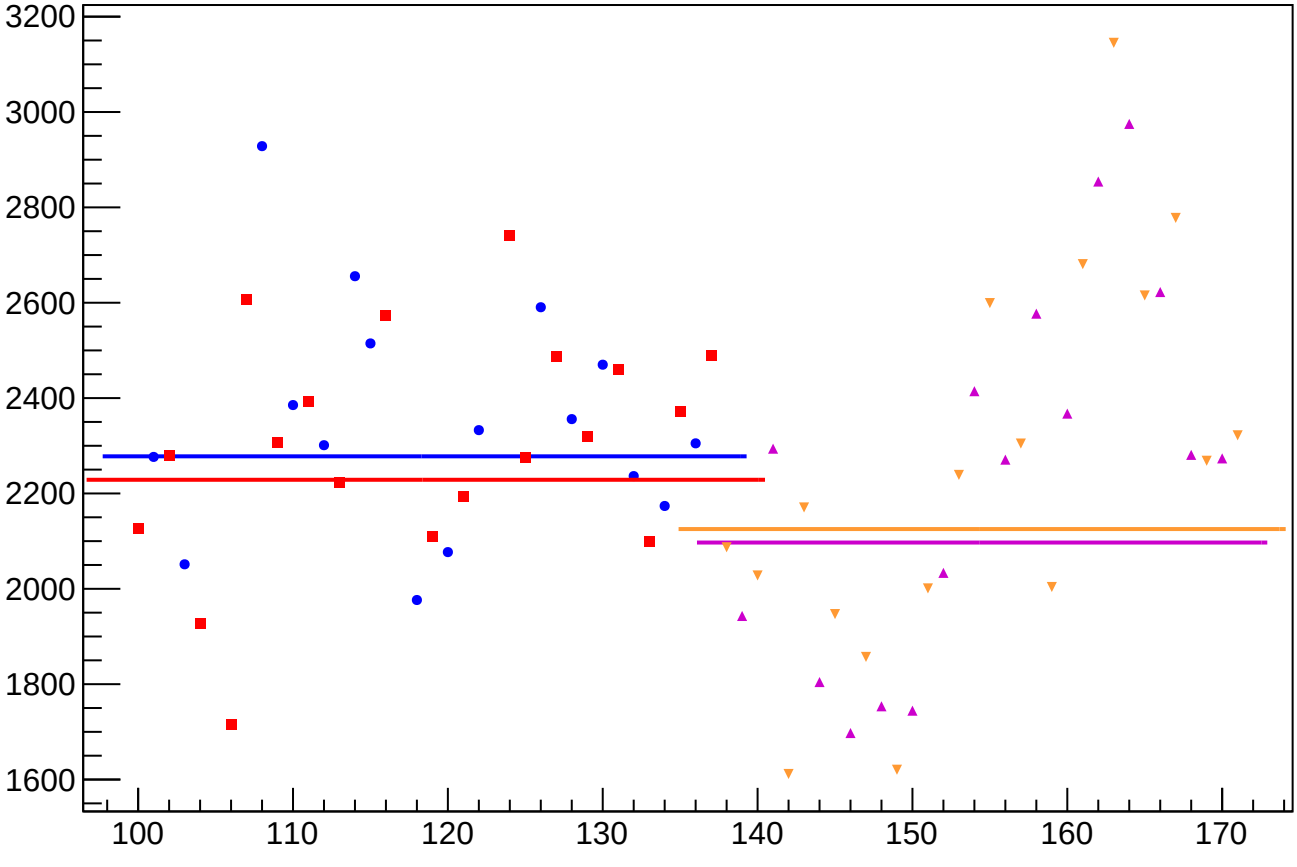
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.238+/-0.485 χ^2/NDF:23259.4/31

Out: 3.329+/-0.469 χ^2/NDF:3105.0/36

All: -4.206+/-0.337 χ^2/NDF: 26896.5/68

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: 2097.049+/-0.417 χ^2/NDF:708603.3/15

Left: 2111.606+/-0.290 χ^2/NDF: 1493050.1/33

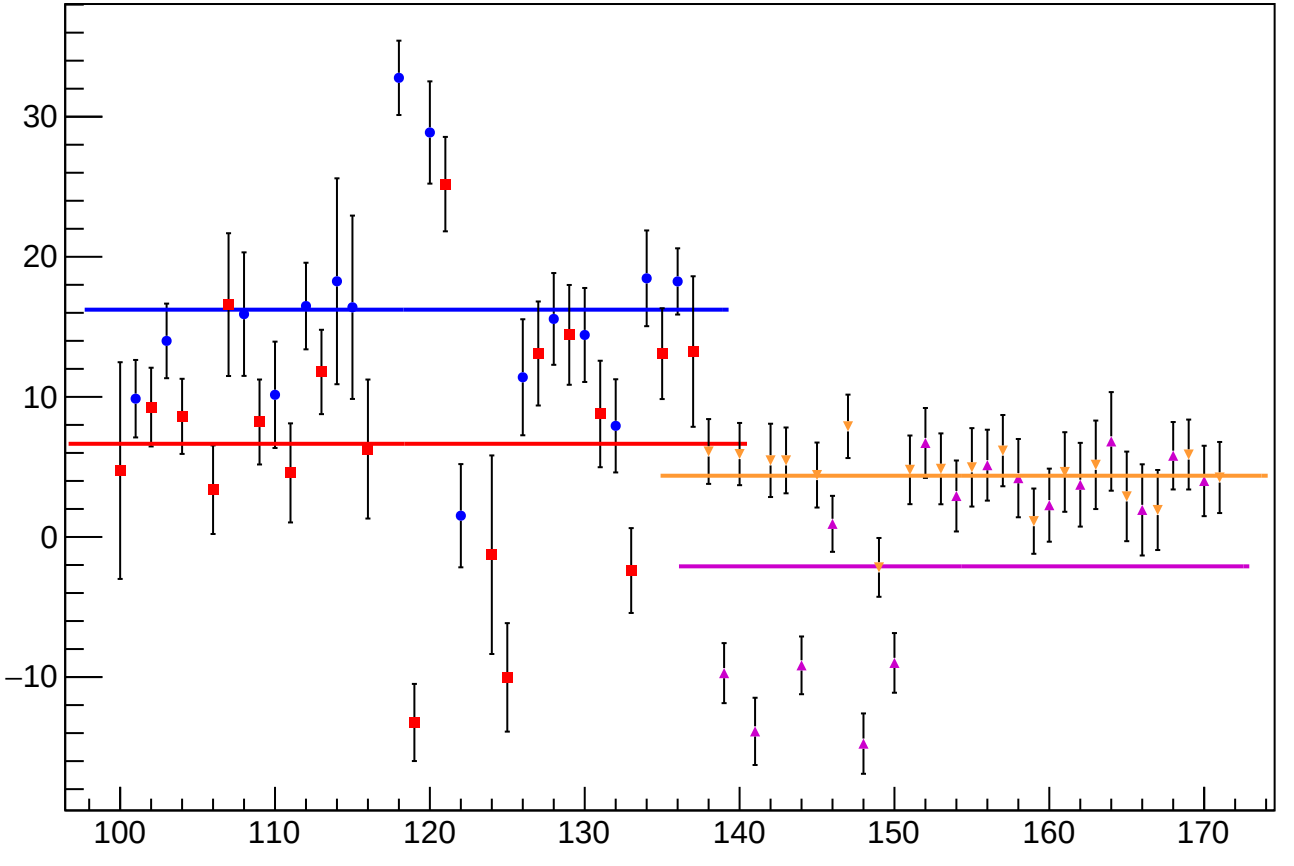
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2155.656+/-0.343 χ^2/NDF:885337.0/31

Out: 2159.206+/-0.332 χ^2/NDF:954568.9/36

All: 2157.488+/-0.238 χ^2/NDF: 1839961.3/68

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: -2.096+/-0.611 χ^2/NDF:156.6/15

Left: 1.252+/-0.424 χ^2/NDF: 232.1/33

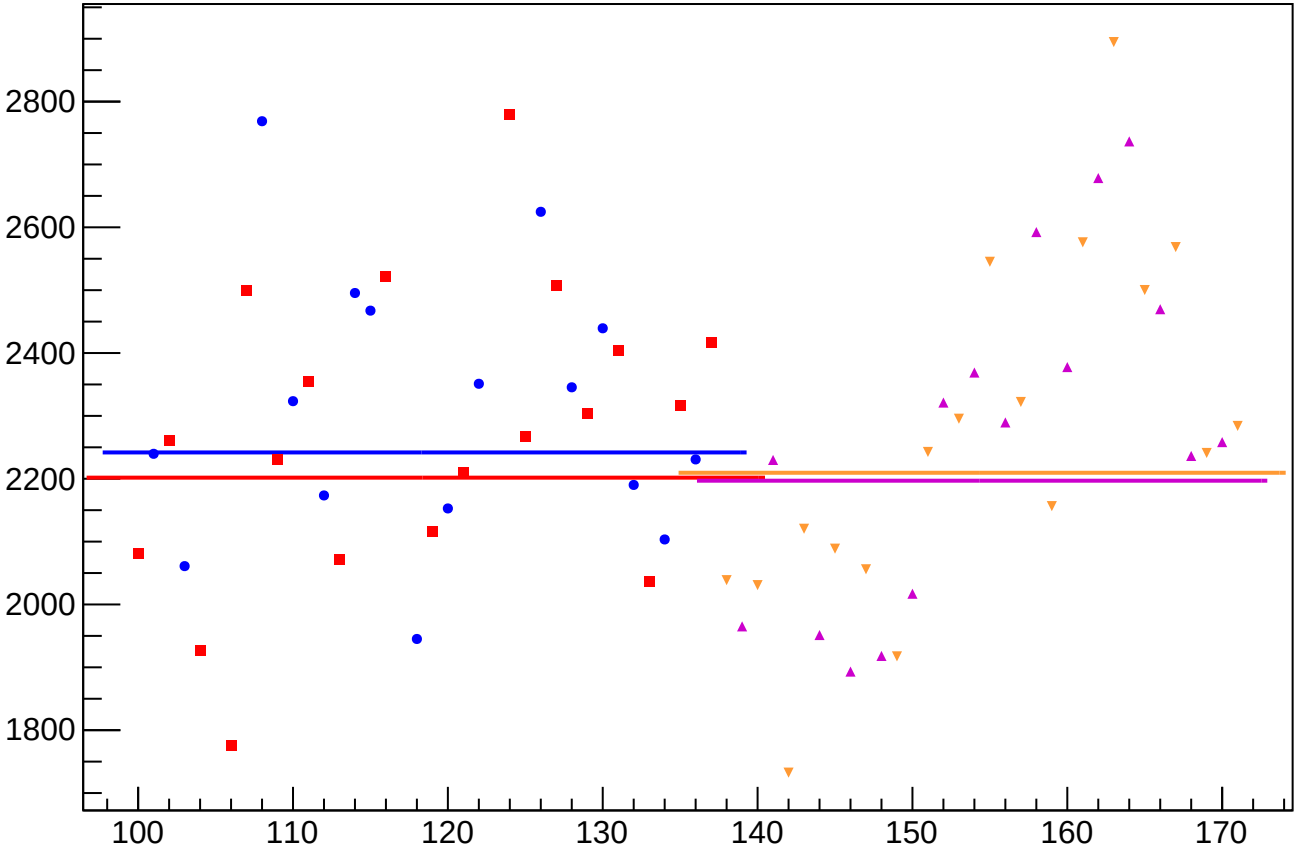
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.267+/-0.494 χ^2/NDF:553.5/31

Out: 5.163+/-0.477 χ^2/NDF:157.3/36

All: 4.731+/-0.343 χ^2/NDF: 712.4/68

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: 2196.894+/-0.432 χ^2/NDF:327346.7/15

Left: 2203.428+/-0.300 χ^2/NDF: 688344.7/33

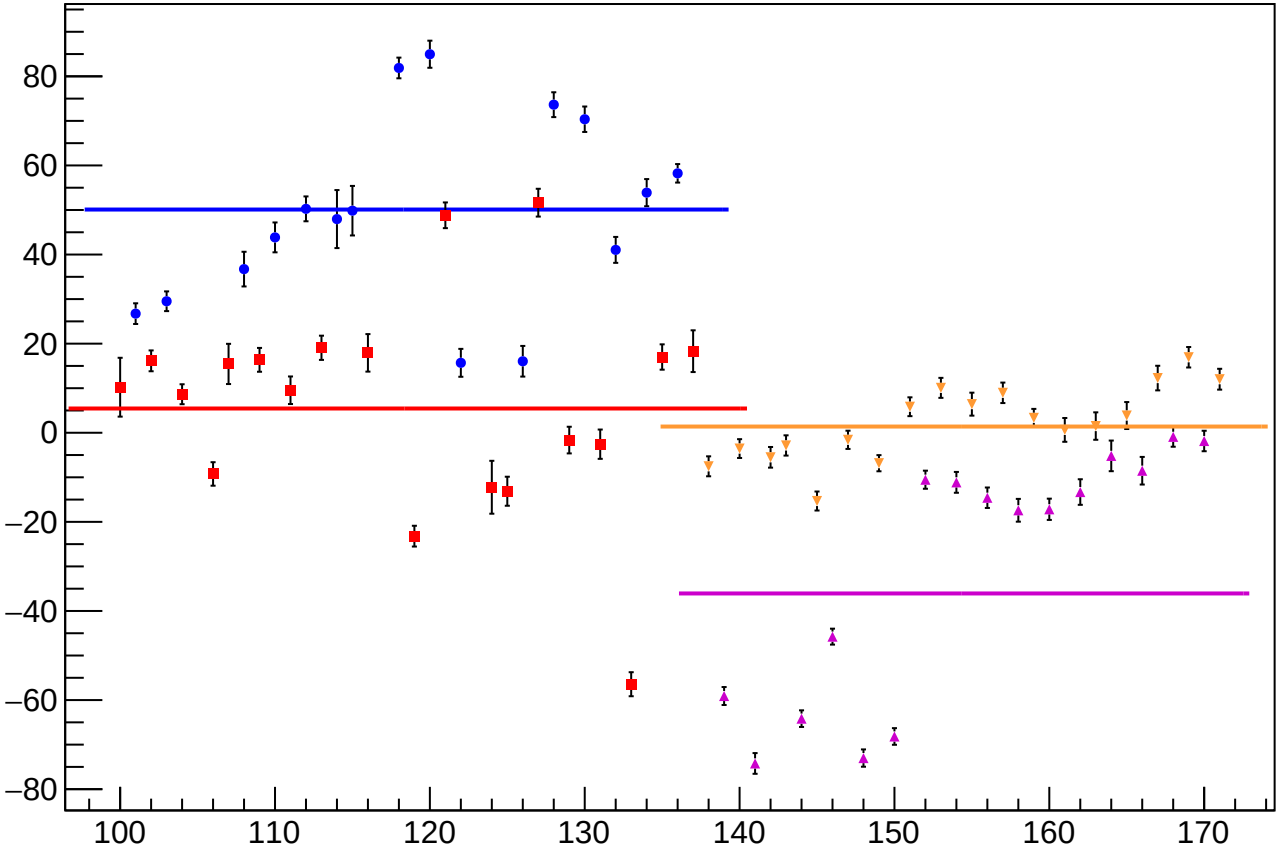
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2212.507+/-0.349 χ^2/NDF:433368.4/31

Out: 2206.819+/-0.337 χ^2/NDF:490559.3/36

All: 2209.564+/-0.242 χ^2/NDF: 924065.1/68

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 1.394+/-0.540 χ^2/NDF:235.6/17

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -36.070+/-0.557 χ^2/NDF:2482.1/15

Left: -16.759+/-0.387 χ^2/NDF: 5053.0/33

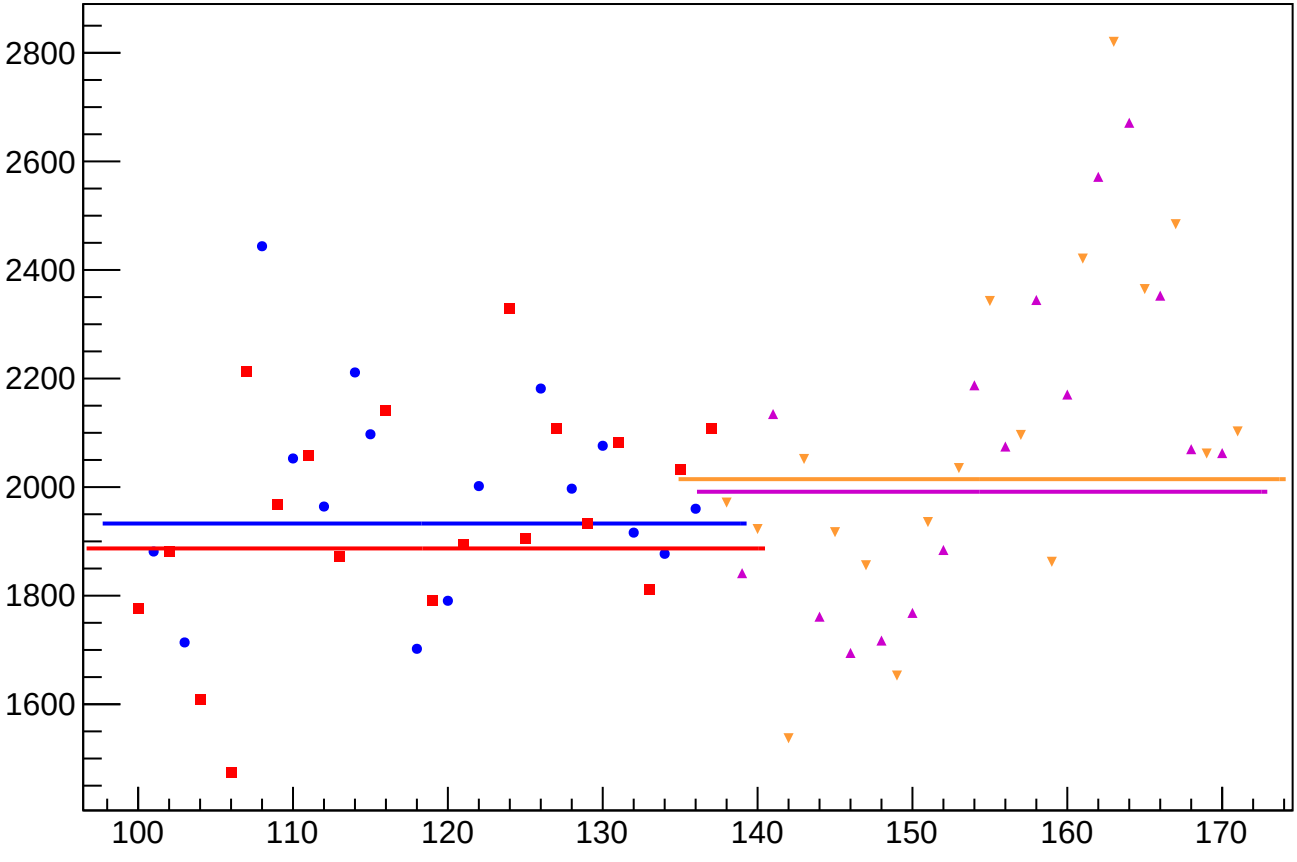
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.955+/-0.441 χ^2/NDF:12303.6/31

Out: 2.919+/-0.426 χ^2/NDF:1568.4/36

All: -0.401+/-0.306 χ^2/NDF: 13997.7/68

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: 1991.432+/-0.394 χ^2/NDF:435739.1/15

Left: 2003.393+/-0.274 χ^2/NDF: 943911.0/33

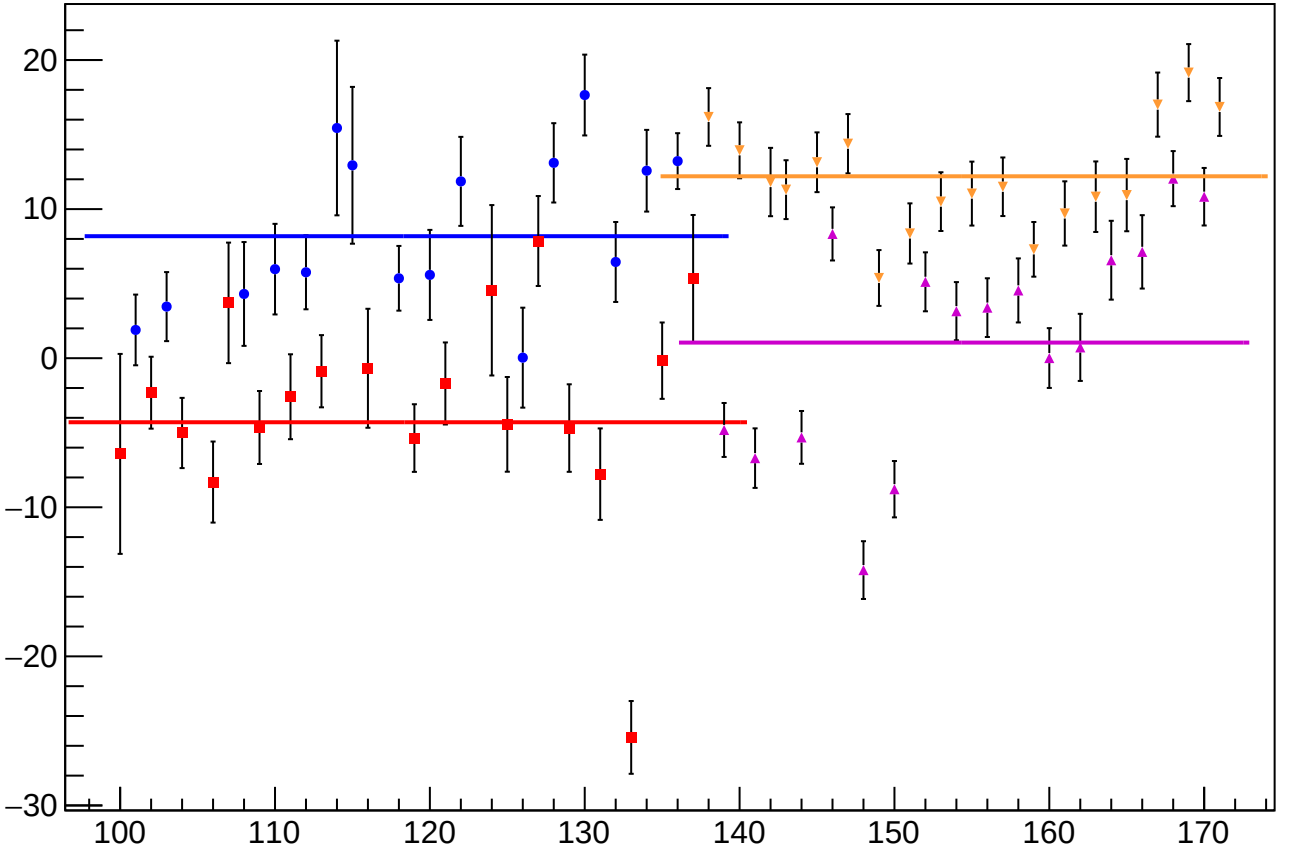
Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

In: 1969.620+/-0.312 χ^2/NDF:549948.3/31

Out: 1966.566+/-0.301 χ^2/NDF:698260.4/36

All: 1968.041+/-0.217 χ^2/NDF: 1248258.3/68

diff_bpm0i01aY_mean vs Slug, Sign Corrected



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: 1.047+/-0.497 χ^2/NDF:225.7/15

Left: 6.847+/-0.345 χ^2/NDF: 545.2/33

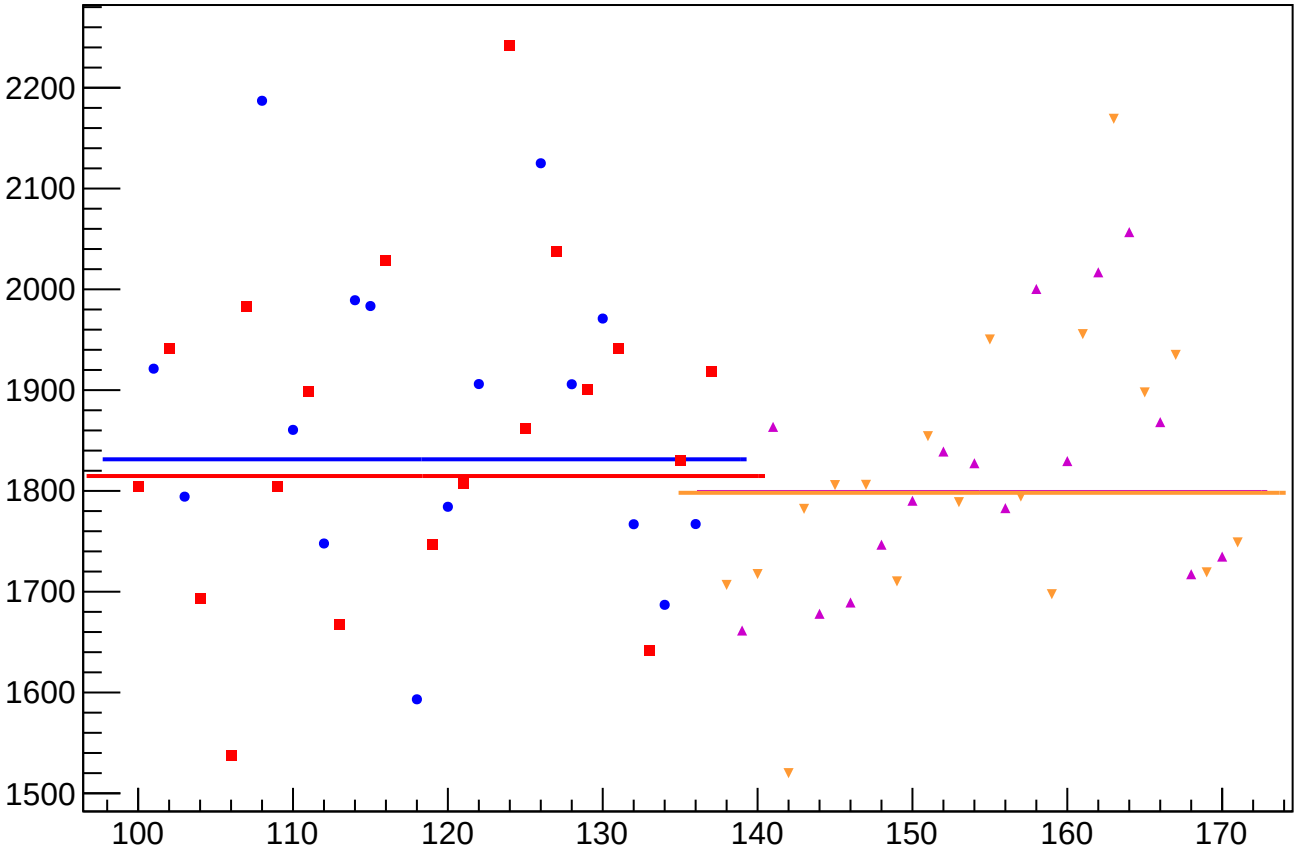
Right: 1.776+/-0.477 χ^2/NDF: 337.0/34

In: 3.516+/-0.402 χ^2/NDF:348.9/31

Out: 6.590+/-0.388 χ^2/NDF:577.4/36

All: 5.107+/-0.279 χ^2/NDF: 956.5/68

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: 1798.936+/-0.352 χ^2/NDF:96914.5/15

Left: 1798.522+/-0.244 χ^2/NDF: 232840.7/33

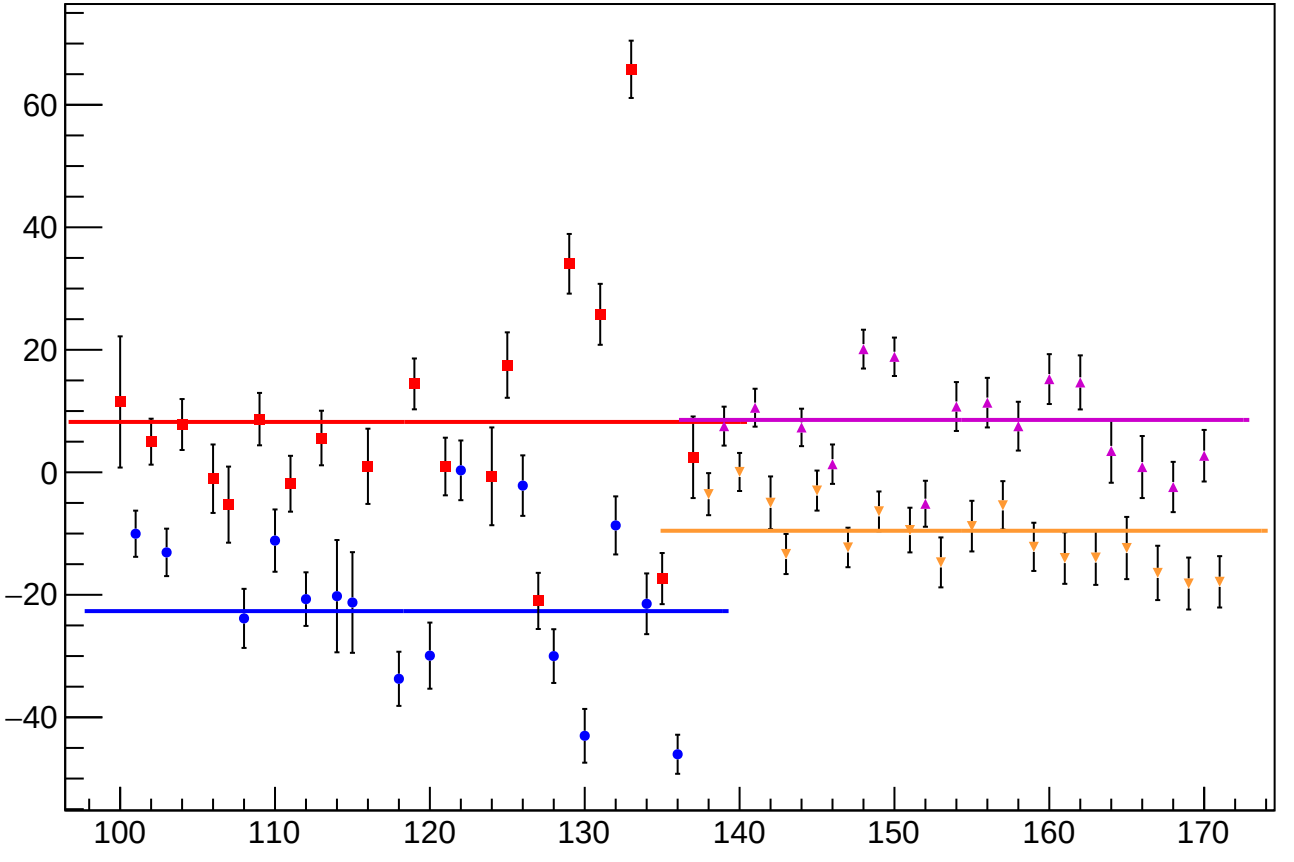
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1810.156+/-0.284 χ^2/NDF:186776.3/31

Out: 1803.797+/-0.274 χ^2/NDF:227486.9/36

All: 1806.864+/-0.197 χ^2/NDF: 414522.1/68

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: 8.553+/-0.925 χ^2/NDF:60.9/15

Left: -0.803+/-0.643 χ^2/NDF: 295.7/33

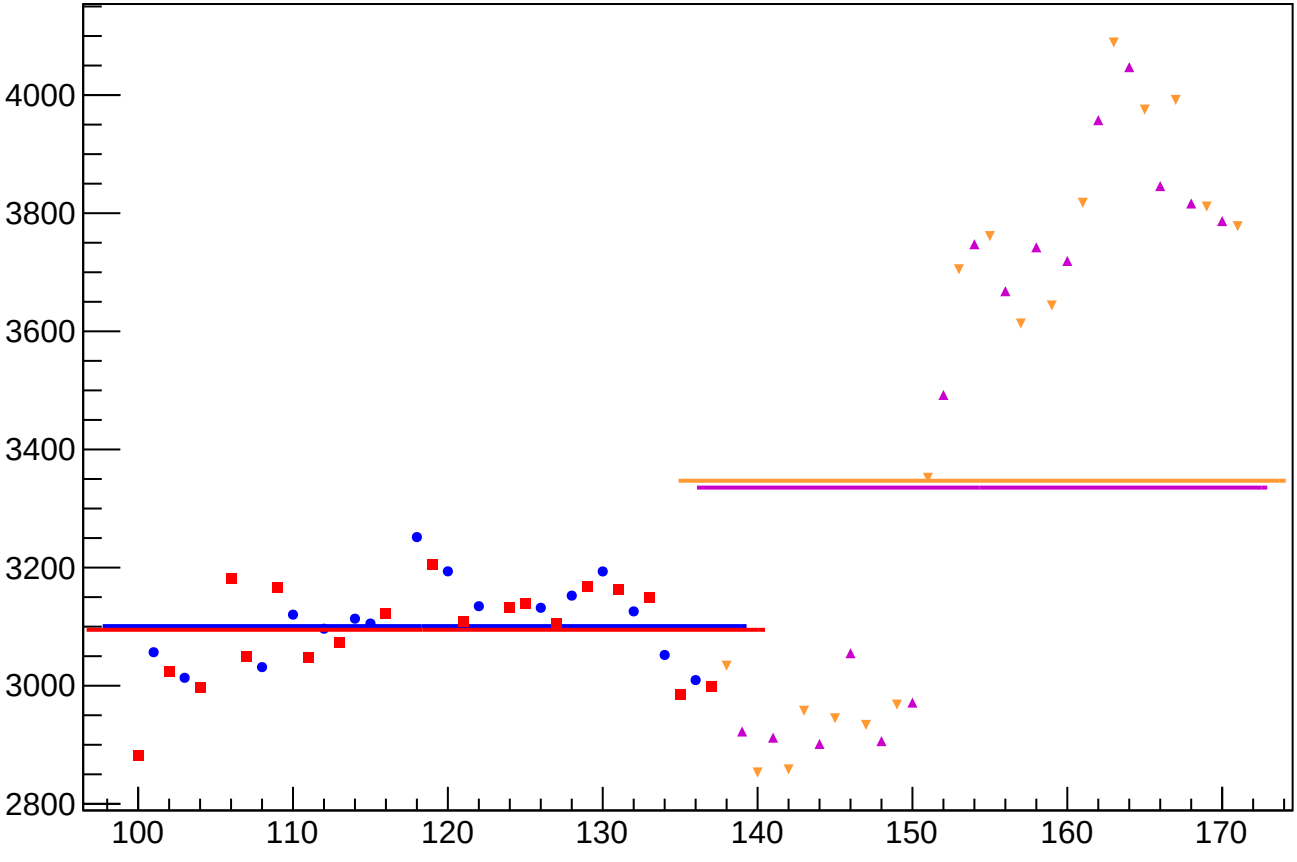
Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.681+/-0.721 χ^2/NDF:664.6/31

Out: -2.697+/-0.701 χ^2/NDF:483.9/36

All: -3.175+/-0.503 χ^2/NDF: 1149.5/68

diff_bpm0l01X_rms vs Slug, Sign Corrected



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: 3335.430+/-0.654 χ^2/NDF:415233.1/15

Left: 3341.435+/-0.454 χ^2/NDF: 881423.3/33

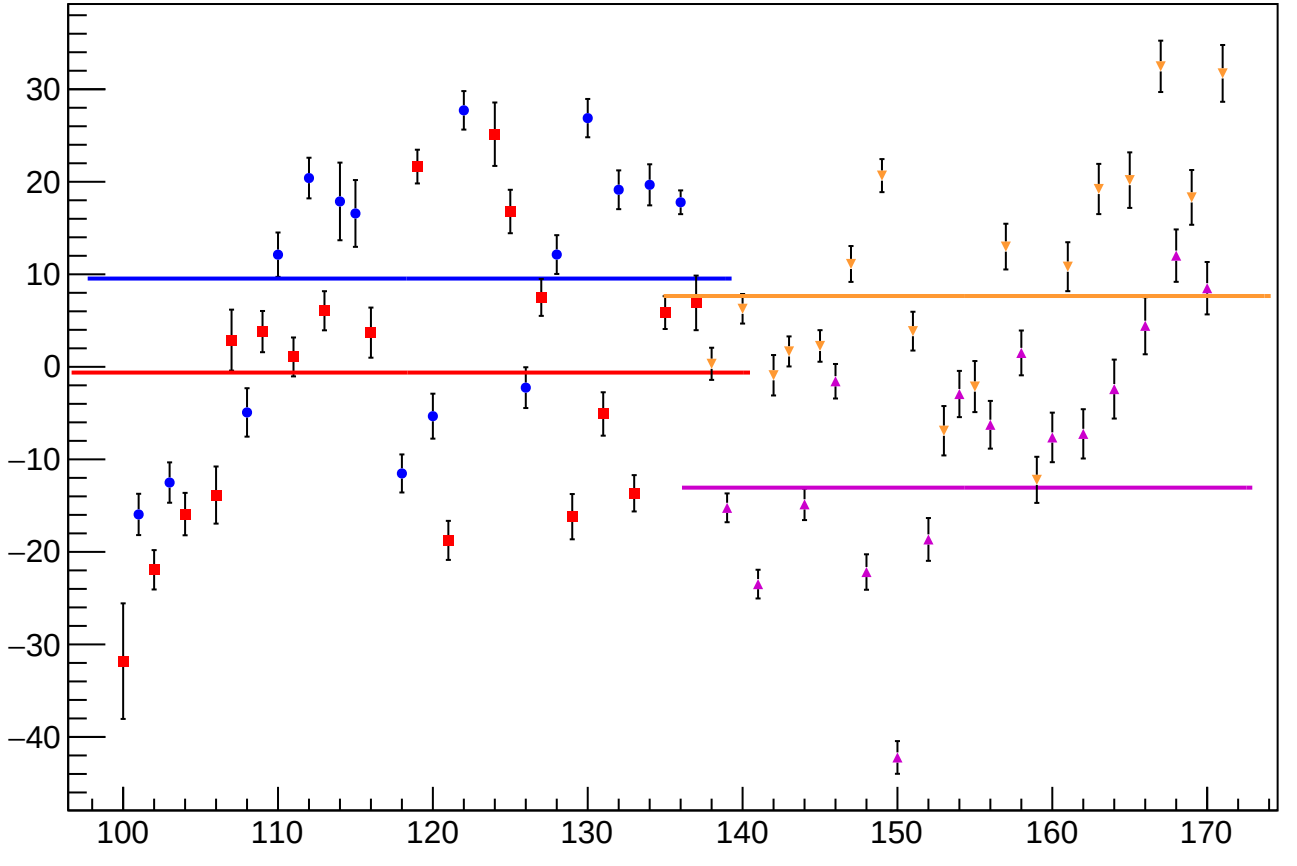
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3243.529+/-0.510 χ^2/NDF:473521.4/31

Out: 3249.792+/-0.496 χ^2/NDF:536048.8/36

All: 3246.751+/-0.355 χ^2/NDF: 1009647.8/68

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: -13.058+/-0.538 χ^2/NDF:635.0/15

Left: -2.209+/-0.371 χ^2/NDF: 1830.1/33

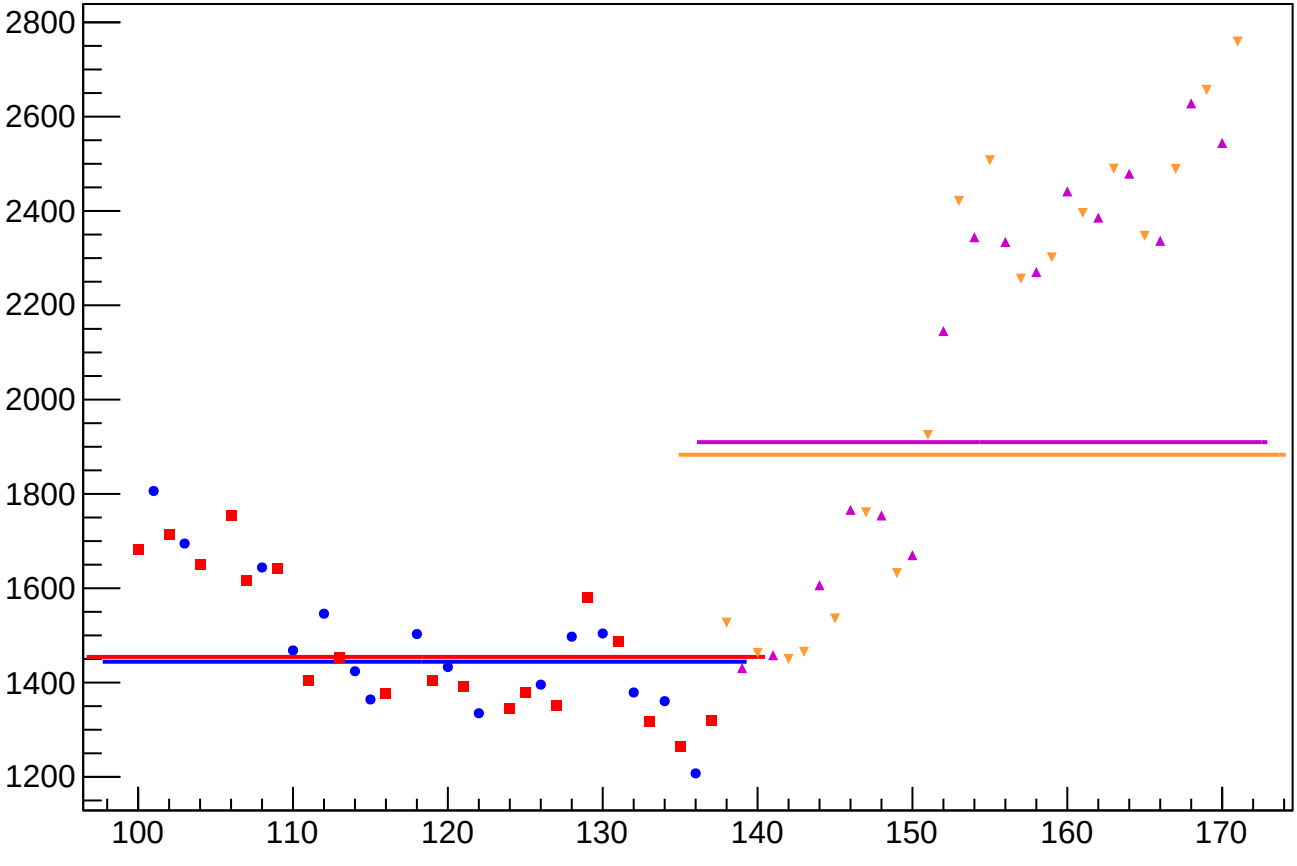
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.826+/-0.382 χ^2/NDF:2210.3/31

Out: 3.684+/-0.370 χ^2/NDF:1209.7/36

All: 1.014+/-0.266 χ^2/NDF: 3527.5/68

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: 1909.787+/-0.380 χ^2/NDF:1138042.2/15

Left: 1895.856+/-0.263 χ^2/NDF: 2608505.6/33

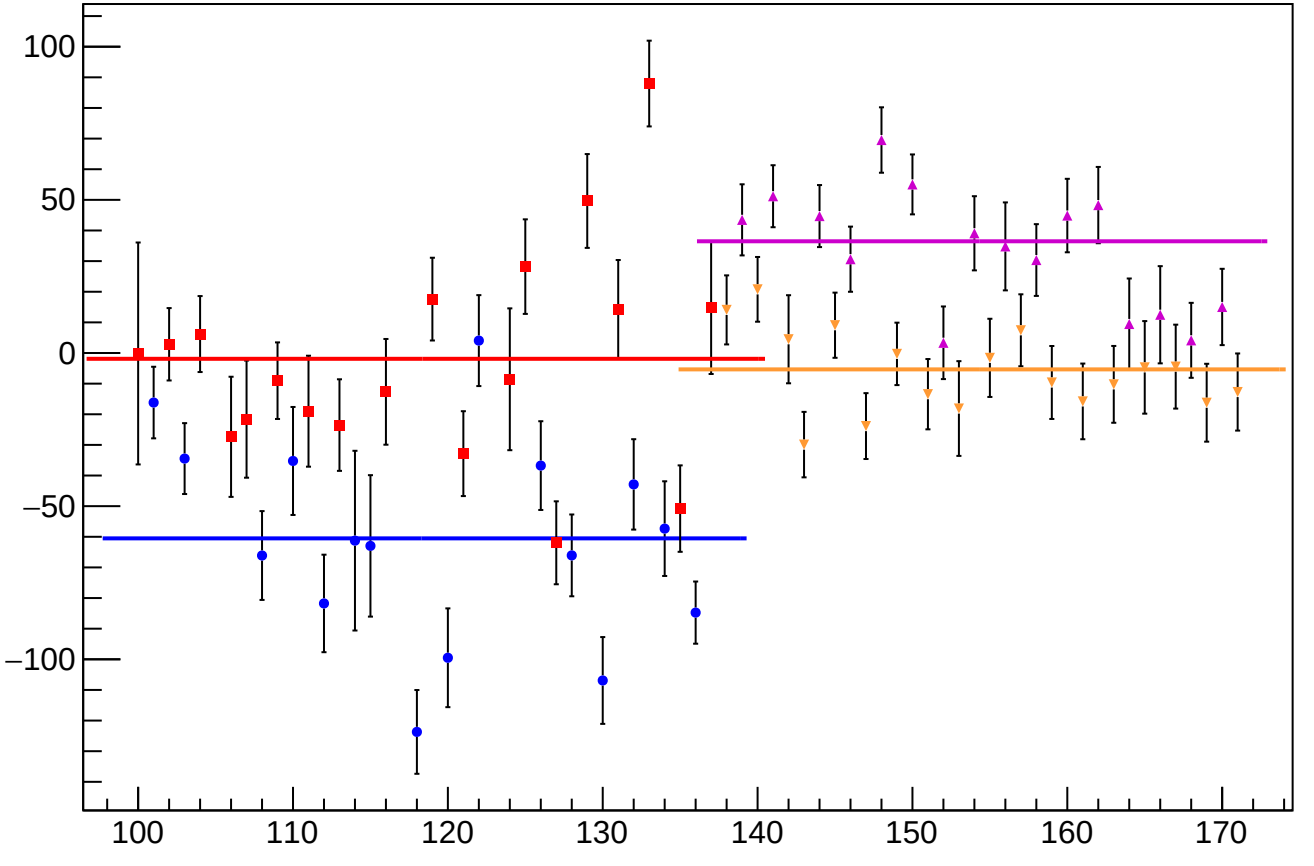
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1678.377+/-0.270 χ^2/NDF:2062460.3/31

Out: 1677.443+/-0.262 χ^2/NDF:2280864.8/36

All: 1677.896+/-0.188 χ^2/NDF: 4343331.2/68

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: 36.475+/-2.935 χ^2/NDF:41.7/15

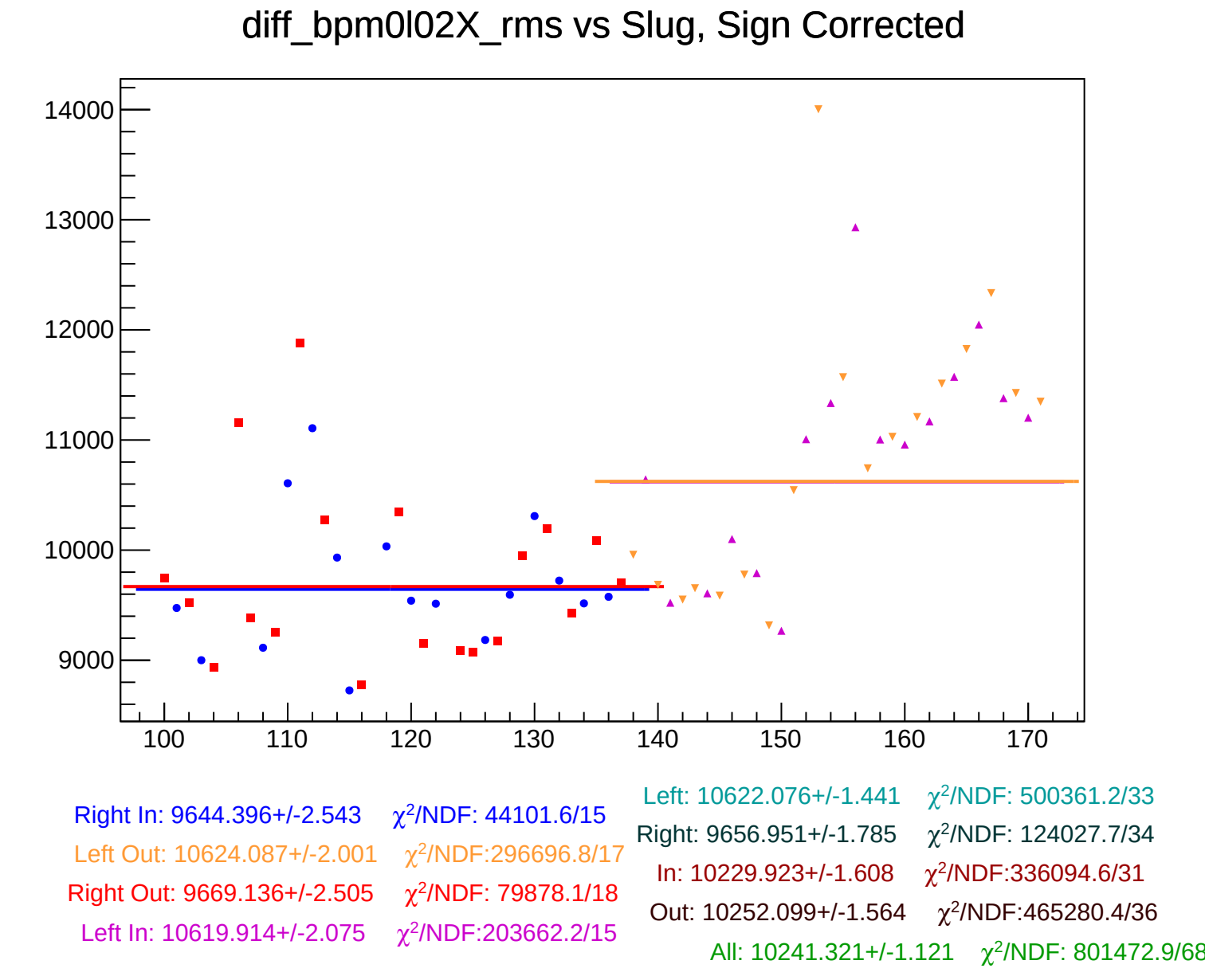
Left: 14.803+/-2.037 χ^2/NDF: 171.3/33

Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

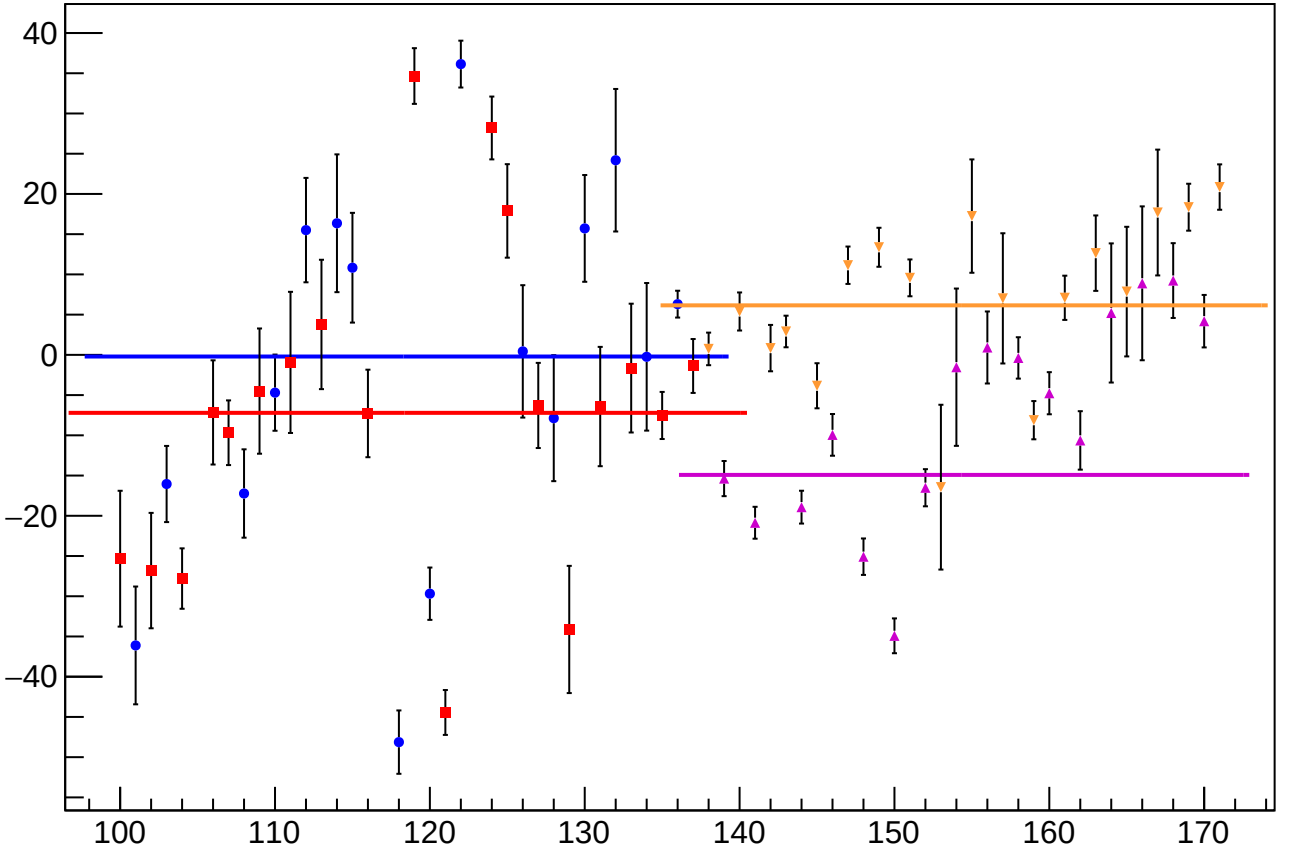
In: -2.300+/-2.274 χ^2/NDF:568.6/31

Out: -4.002+/-2.211 χ^2/NDF:128.8/36

All: -3.175+/-1.585 χ^2/NDF: 697.7/68


diff_bpm0l02X_rms vs Slug, Sign Corrected
14000
13000
12000
11000
10000
9000
100
110
120
130
140
150
160
170
Right In: 9644.396+/-2.543 χ²/NDF: 44101.6/15
Left Out: 10624.087+/-2.001 χ²/NDF:296696.8/17
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10619.914+/-2.075 χ²/NDF:203662.2/15
Left: 10622.076+/-1.441 χ²/NDF: 500361.2/33
Right: 9656.951+/-1.785 χ²/NDF: 124027.7/34
In: 10229.923+/-1.608 χ²/NDF:336094.6/31
Out: 10252.099+/-1.564 χ²/NDF:465280.4/36
All: 10241.321+/-1.121 χ²/NDF: 801472.9/68

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: -14.920+/-0.699 χ^2/NDF:258.3/15

Left: -4.122+/-0.488 χ^2/NDF: 858.3/33

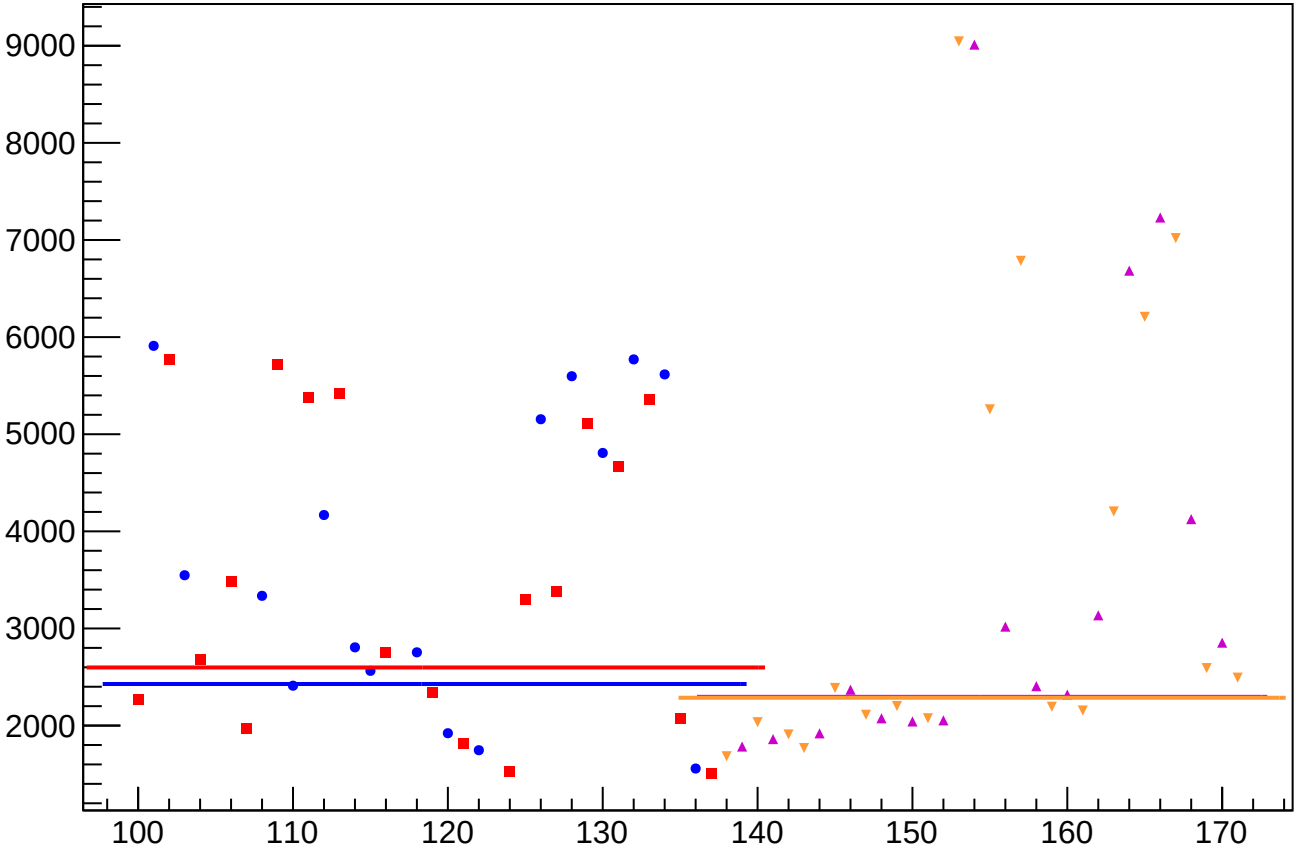
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -10.374+/-0.581 χ^2/NDF:868.9/31

Out: 2.315+/-0.576 χ^2/NDF:730.1/36

All: -3.970+/-0.409 χ^2/NDF: 1839.8/68

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: 2295.893+/-0.494 χ^2/NDF:2867134.2/15

Left: 2291.089+/-0.345 χ^2/NDF: 6701215.0/33

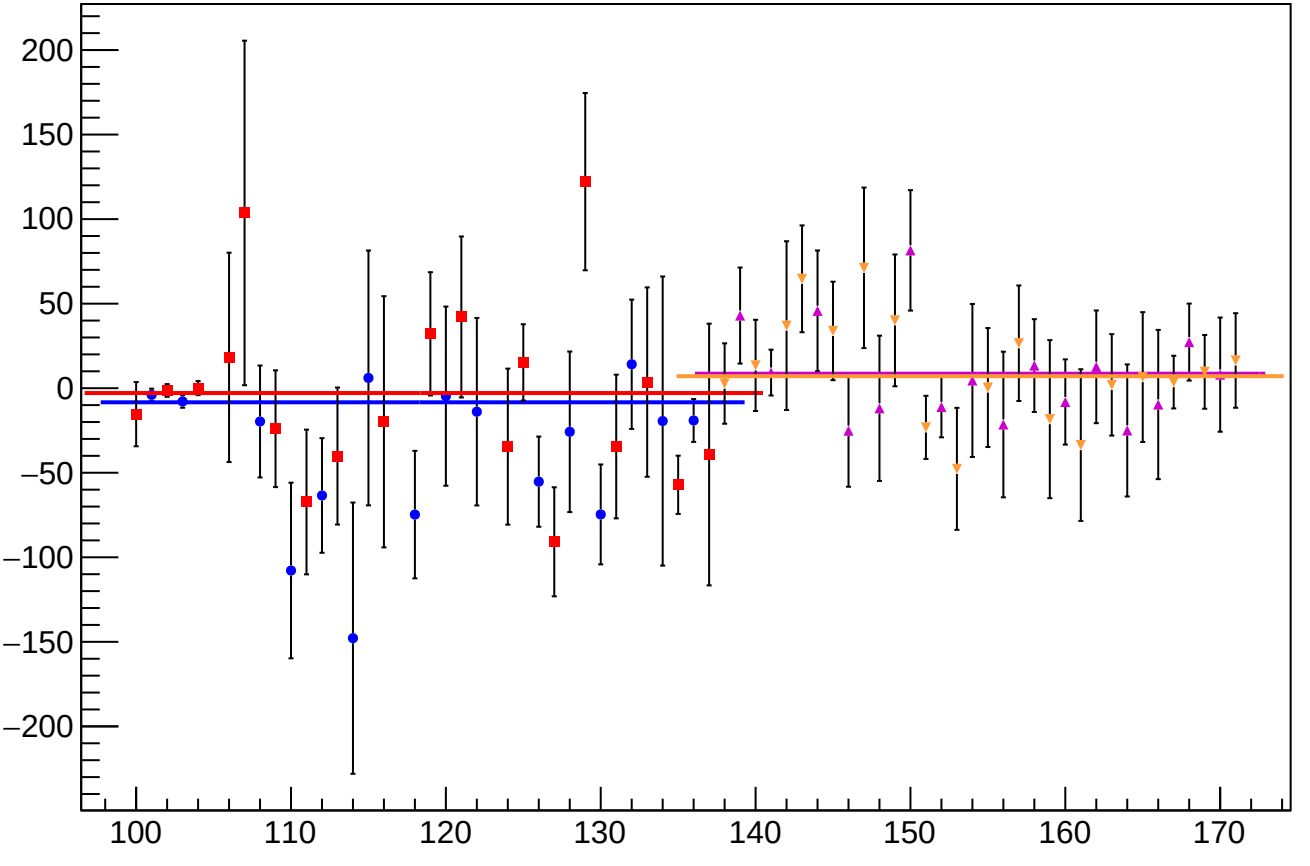
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2336.727+/-0.411 χ^2/NDF:5704570.5/31

Out: 2376.121+/-0.407 χ^2/NDF:6469042.1/36

All: 2356.610+/-0.289 χ^2/NDF: 12178253.2/6

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: 8.572+/-6.802 χ^2/NDF:11.8/15

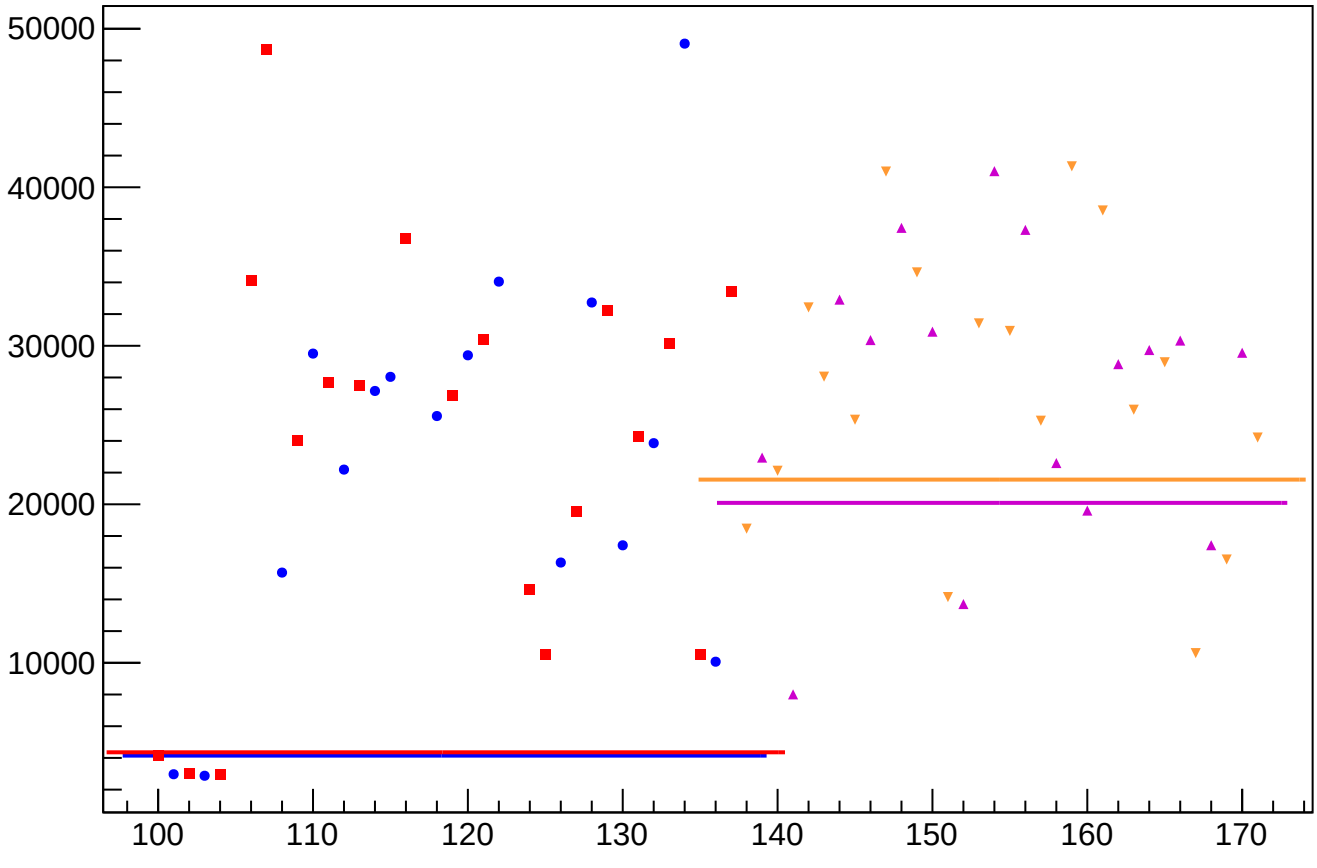
Left: 7.822+/-4.768 χ^2/NDF: 25.6/33

Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.321+/-2.346 χ^2/NDF:40.6/31

Out: -1.506+/-2.455 χ^2/NDF:48.3/36

All: -4.023+/-1.696 χ^2/NDF: 91.0/68



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: 20090.252+/-4.809 χ^2/NDF:4139902.1/15

Left: 20836.792+/-3.371 χ^2/NDF: 7499996.0/33

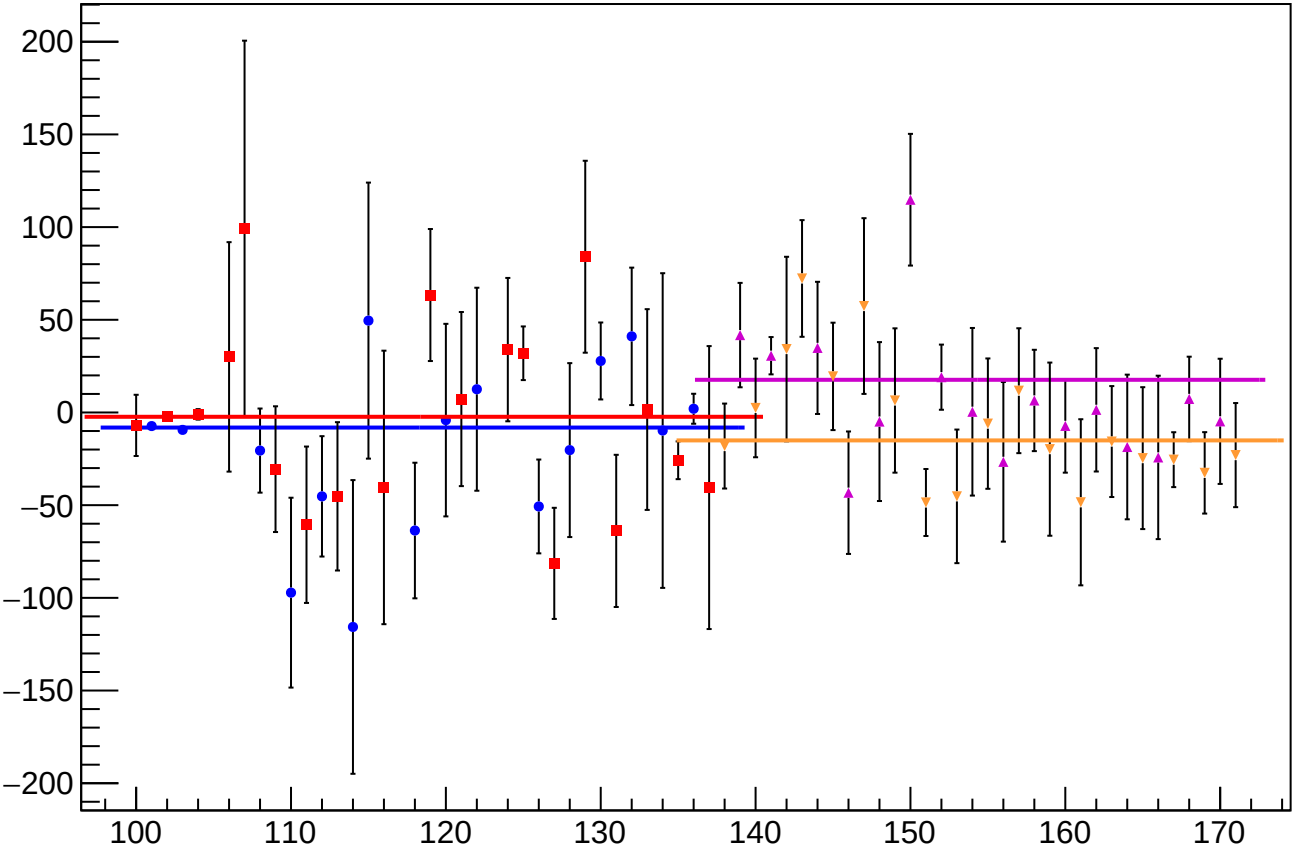
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6042.728+/-1.659 χ^2/NDF:20660293.9/31

Out: 6674.878+/-1.736 χ^2/NDF:22396659.7/36

All: 6344.444+/-1.199 χ^2/NDF: 43126263.5/6

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: 17.627+/-6.175 χ^2/NDF:18.8/15

Left: 2.279+/-4.497 χ^2/NDF: 51.8/33

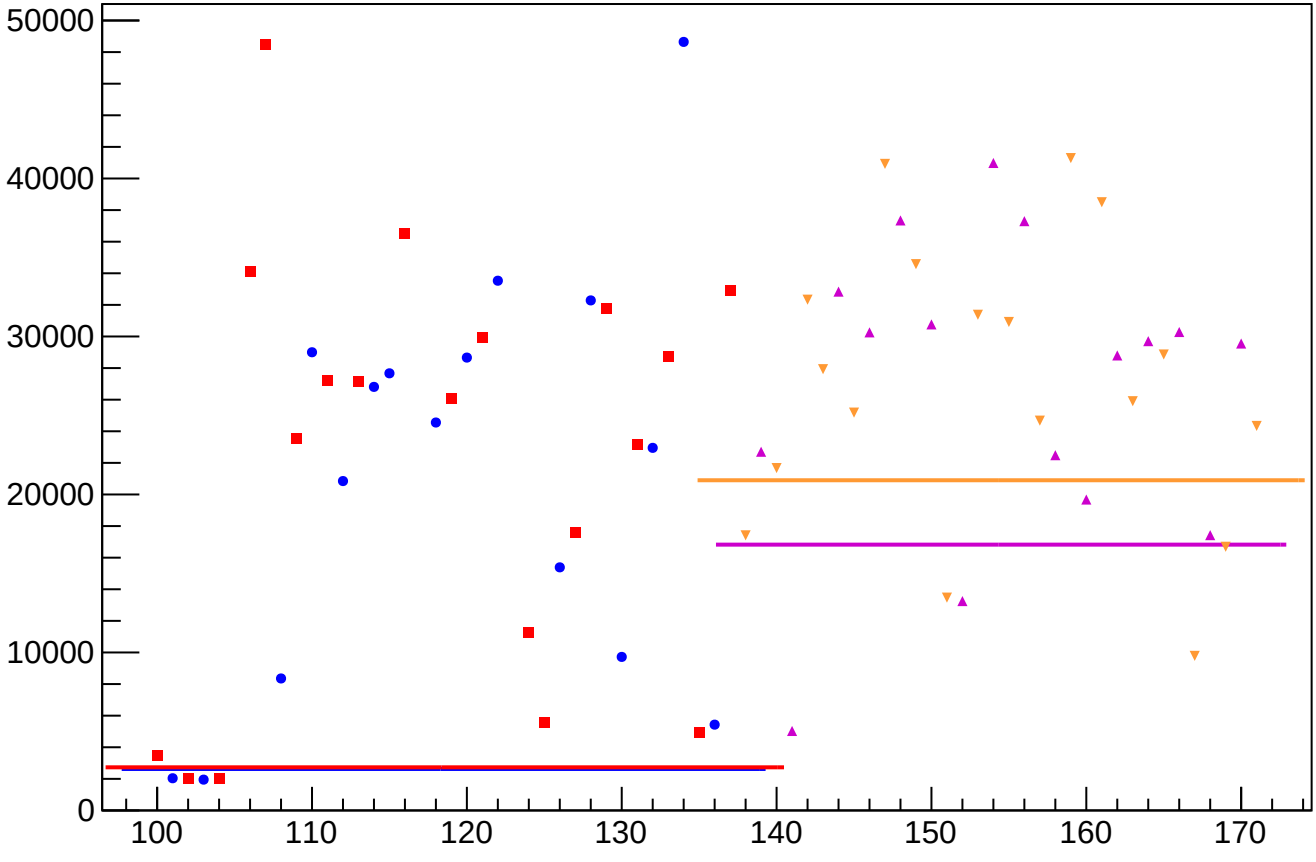
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.277+/-1.657 χ^2/NDF:54.0/31

Out: -3.236+/-1.755 χ^2/NDF:56.4/36

All: -4.844+/-1.205 χ^2/NDF: 112.1/68

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: 16824.778+/-4.366 χ^2/NDF:6501013.6/15

Left: 18737.859+/-3.180 χ^2/NDF: 10568255.3/33

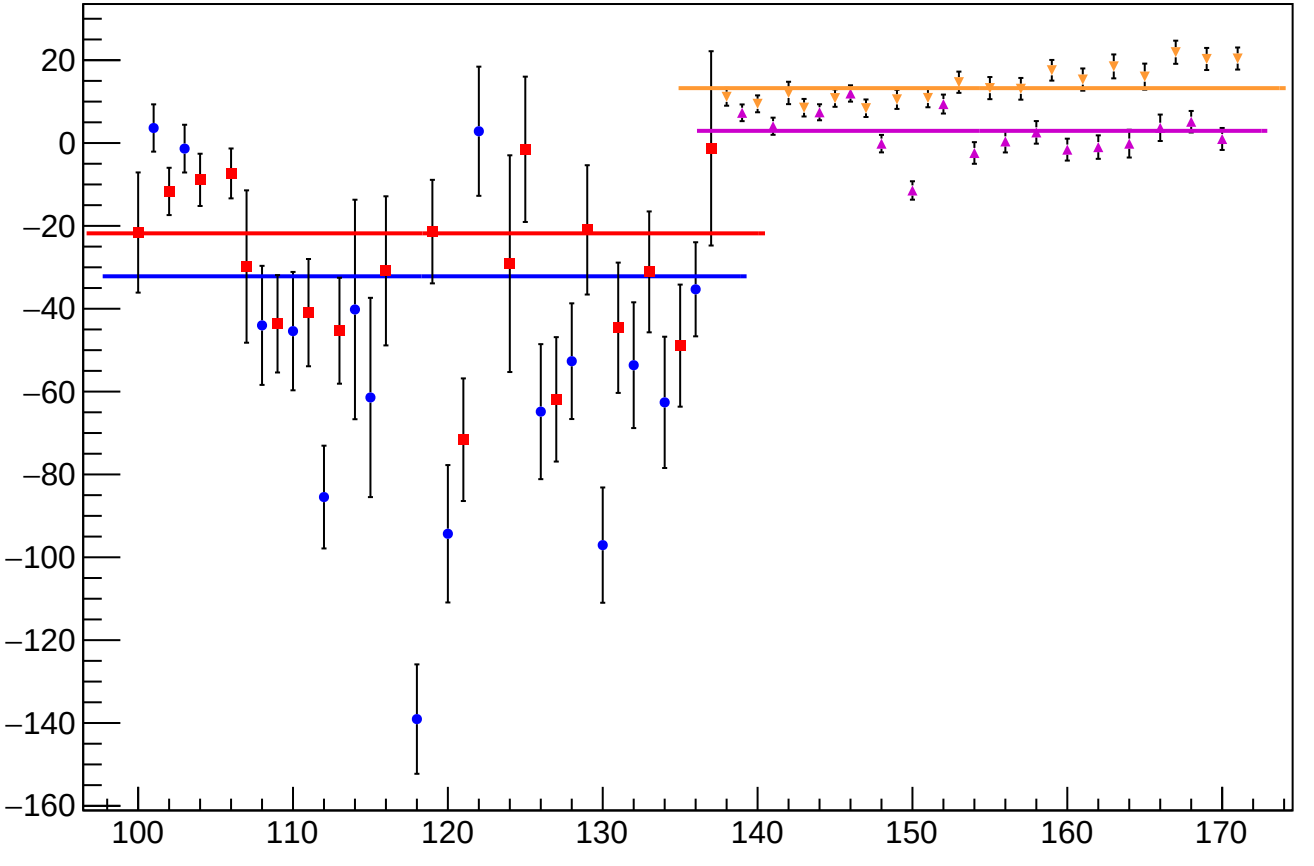
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3649.251+/-1.172 χ^2/NDF:23095165.1/31

Out: 4029.583+/-1.241 χ^2/NDF:25872968.7/36

All: 3828.498+/-0.852 χ^2/NDF: 49017777.0/6

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: 2.941+/-0.599 χ^2/NDF:95.6/15

Left: 8.303+/-0.415 χ^2/NDF: 300.3/33

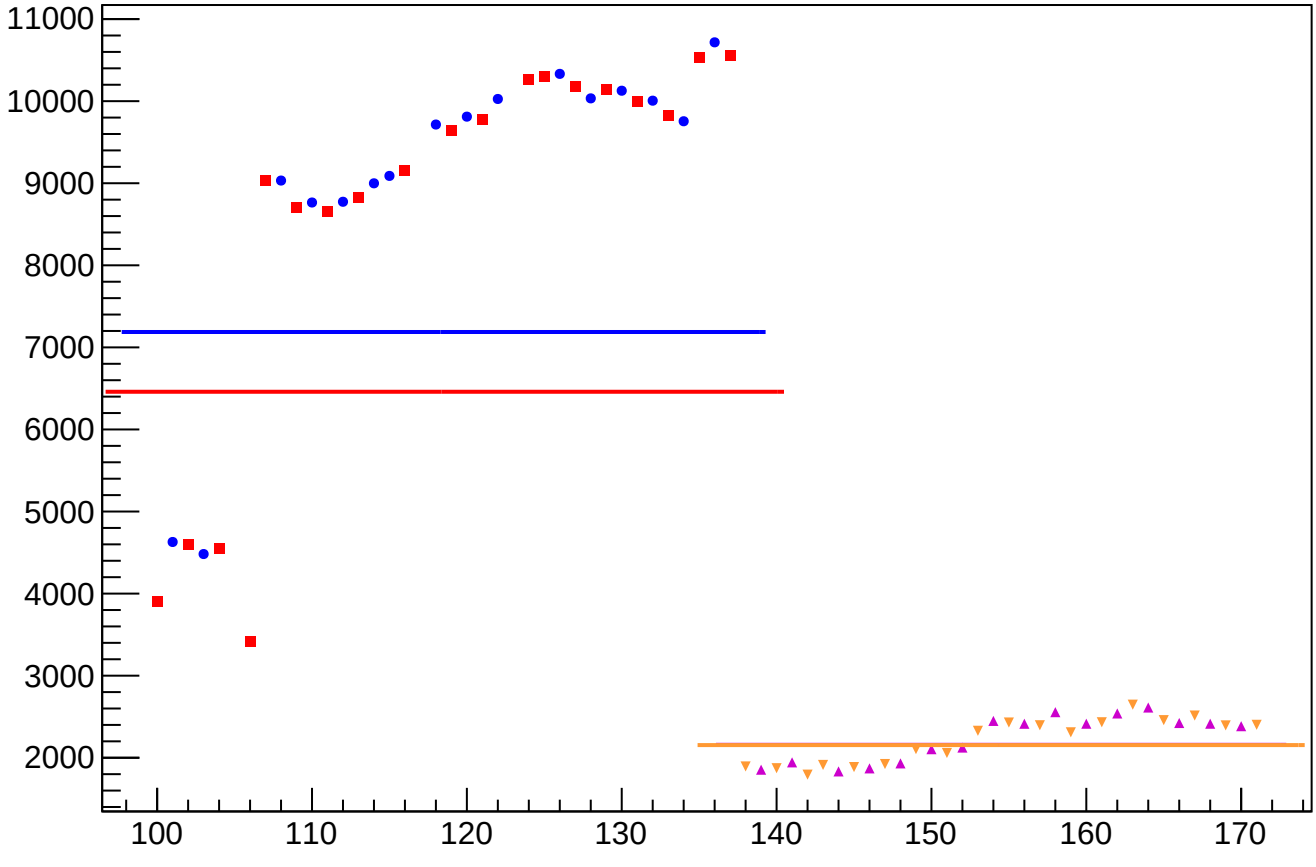
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.449+/-0.586 χ^2/NDF:449.5/31

Out: 11.564+/-0.561 χ^2/NDF:278.3/36

All: 6.725+/-0.405 χ^2/NDF: 883.4/68

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: 2157.742+/-0.423 χ^2/NDF:416039.3/15

Left: 2155.949+/-0.293 χ^2/NDF: 826537.7/33

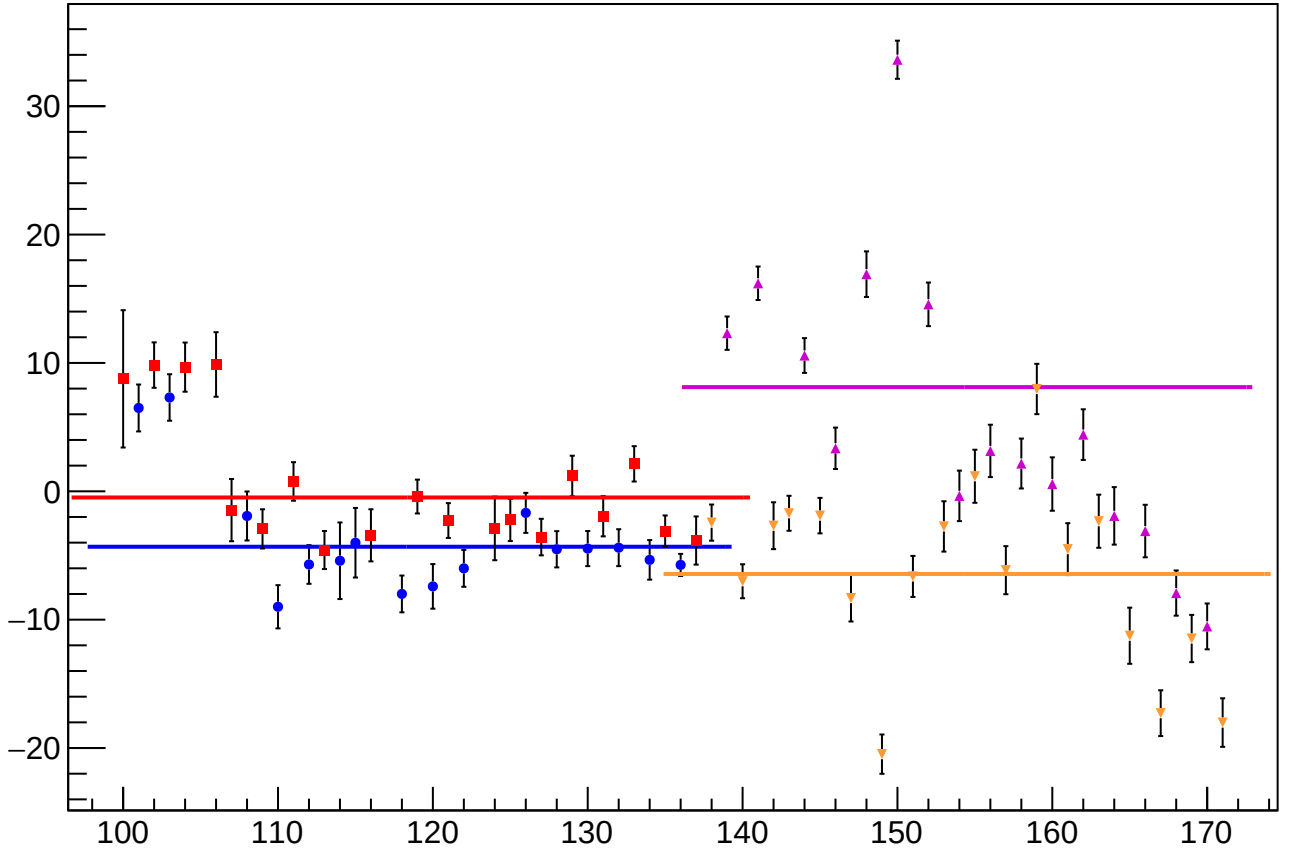
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2371.459+/-0.414 χ^2/NDF:8120966.9/31

Out: 2361.441+/-0.397 χ^2/NDF:8081818.3/36

All: 2366.233+/-0.286 χ^2/NDF: 16203090.3/6

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: 8.116+/-0.424 χ^2/NDF:687.4/15

Left: 0.455+/-0.292 χ^2/NDF: 1590.1/33

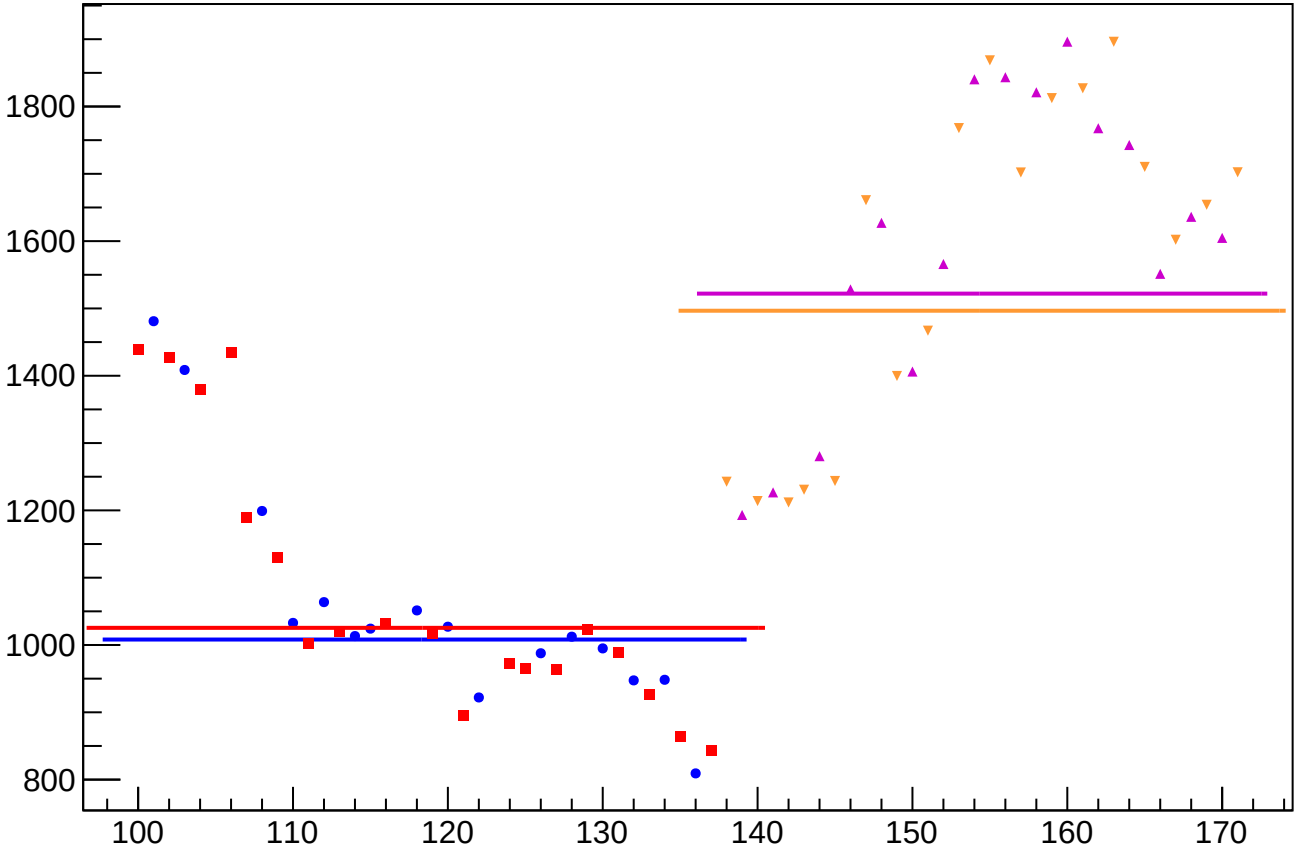
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.212+/-0.283 χ^2/NDF:1268.0/31

Out: -3.279+/-0.276 χ^2/NDF:516.7/36

All: -1.091+/-0.198 χ^2/NDF: 1913.9/68

diff_bpm0l04Y_rms vs Slug, Sign Corrected



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: 1522.023+/-0.300 χ^2/NDF:592921.8/15

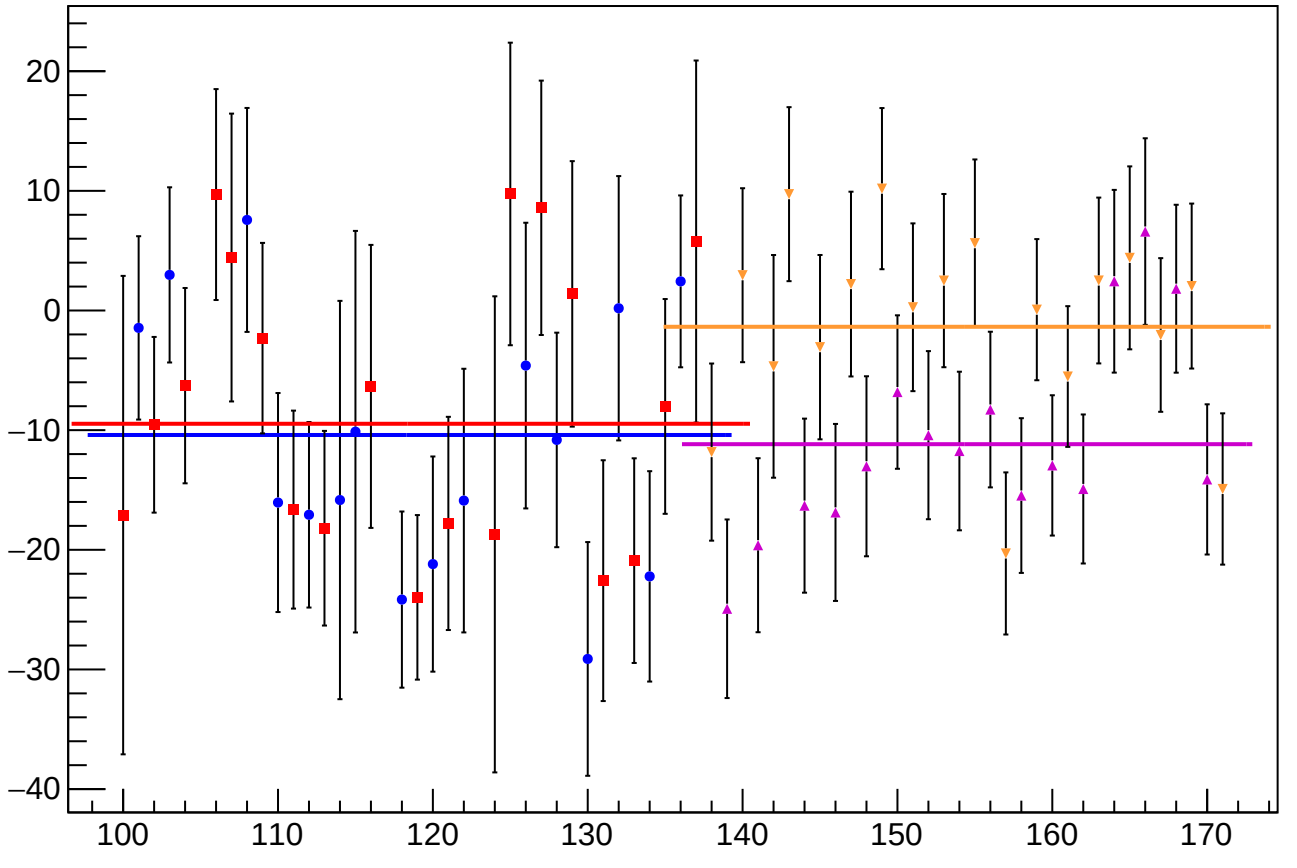
Left: 1508.649+/-0.206 χ^2/NDF: 1341168.9/33

Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1236.705+/-0.200 χ^2/NDF:2601018.6/31

Out: 1246.652+/-0.195 χ^2/NDF:2543888.4/36

All: 1241.806+/-0.140 χ^2/NDF: 5146174.6/68



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: -11.172+/-1.713 χ^2/NDF:19.5/15

Left: -6.059+/-1.185 χ^2/NDF: 60.0/33

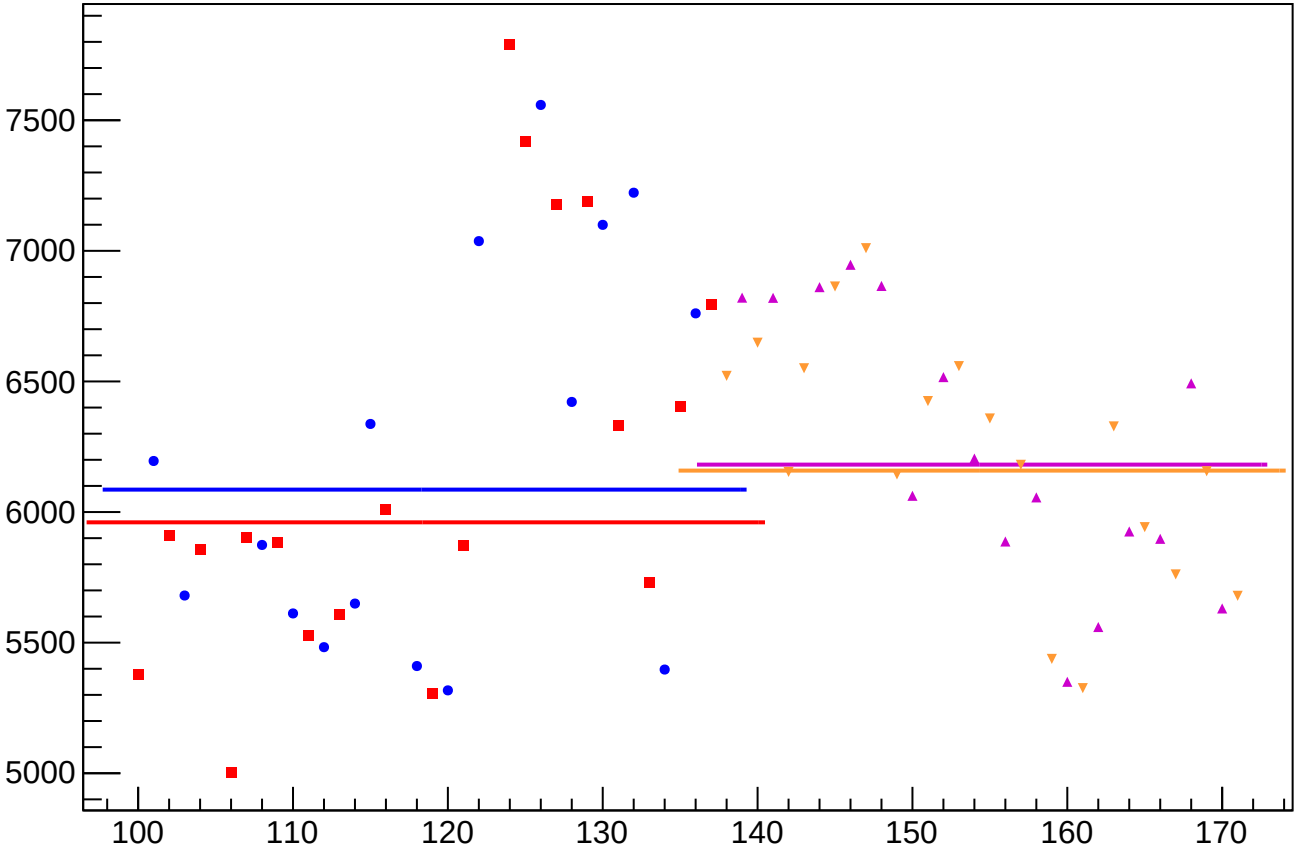
Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -10.895+/-1.370 χ^2/NDF:44.2/31

Out: -4.276+/-1.314 χ^2/NDF:57.6/36

All: -7.449+/-0.948 χ^2/NDF: 113.9/68

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: 6181.585+/-1.211 χ^2/NDF:179980.6/15

Left: 6169.655+/-0.838 χ^2/NDF: 343500.7/33

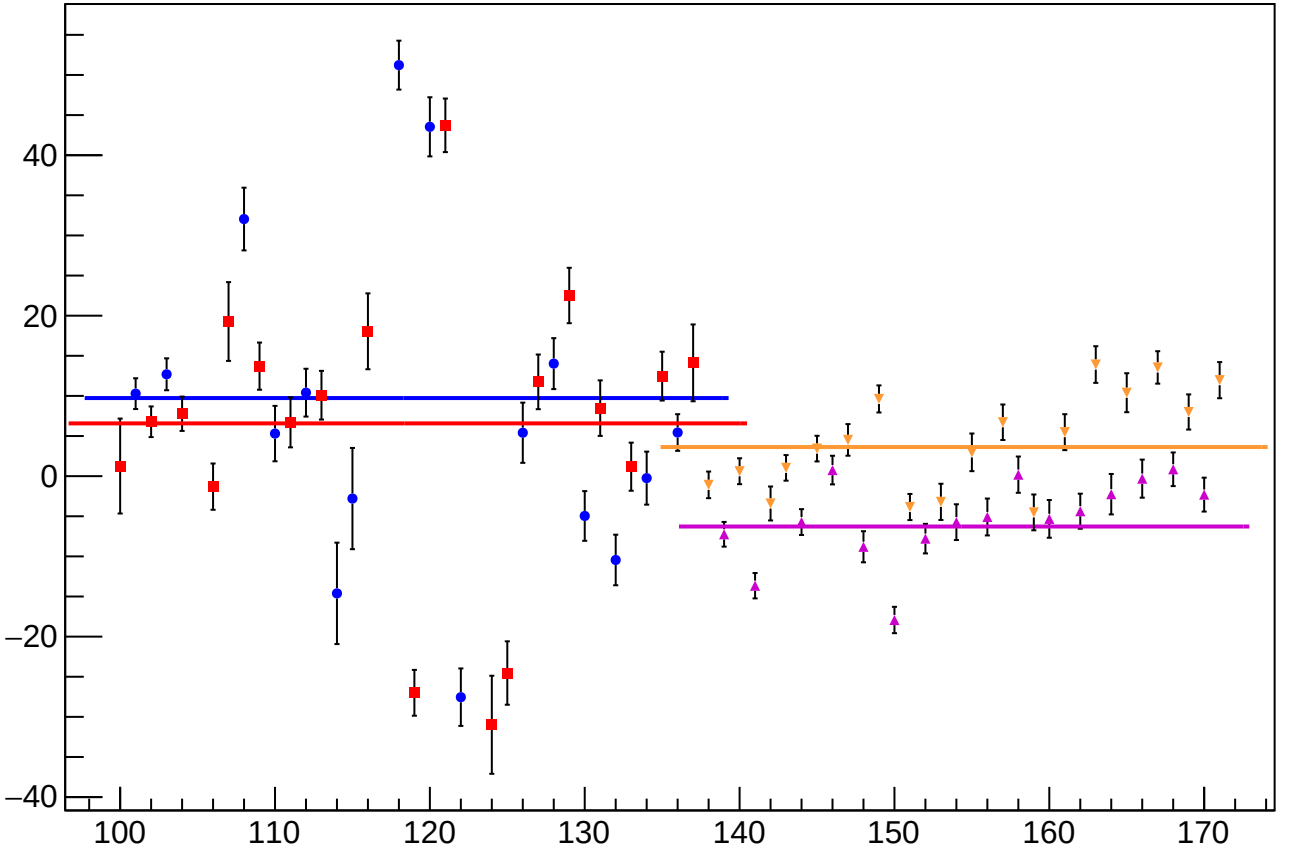
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6147.051+/-0.968 χ^2/NDF:361352.2/31

Out: 6087.441+/-0.929 χ^2/NDF:336573.9/36

All: 6116.012+/-0.670 χ^2/NDF: 699898.9/68

diff_bpm0l05Y_mean vs Slug, Sign Corrected



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: -6.277+/-0.487 χ^2/NDF:124.0/15

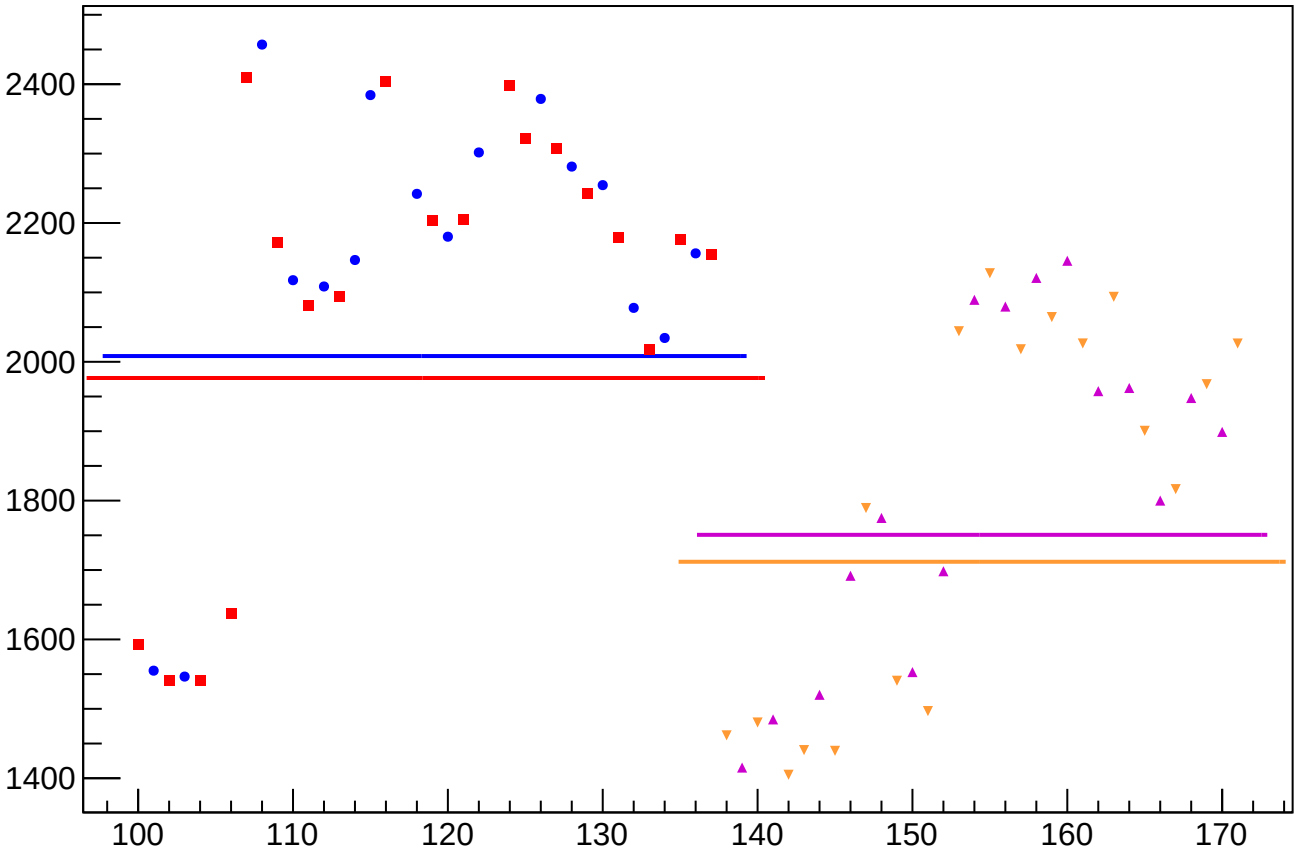
Left: -1.039+/-0.334 χ^2/NDF: 497.0/33

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.574+/-0.409 χ^2/NDF:954.0/31

Out: 4.464+/-0.389 χ^2/NDF:589.6/36

All: 1.598+/-0.282 χ^2/NDF: 1658.0/68



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: 1750.695+/-0.344 χ^2/NDF:483443.2/15

Left: 1730.178+/-0.236 χ^2/NDF: 1166785.3/33

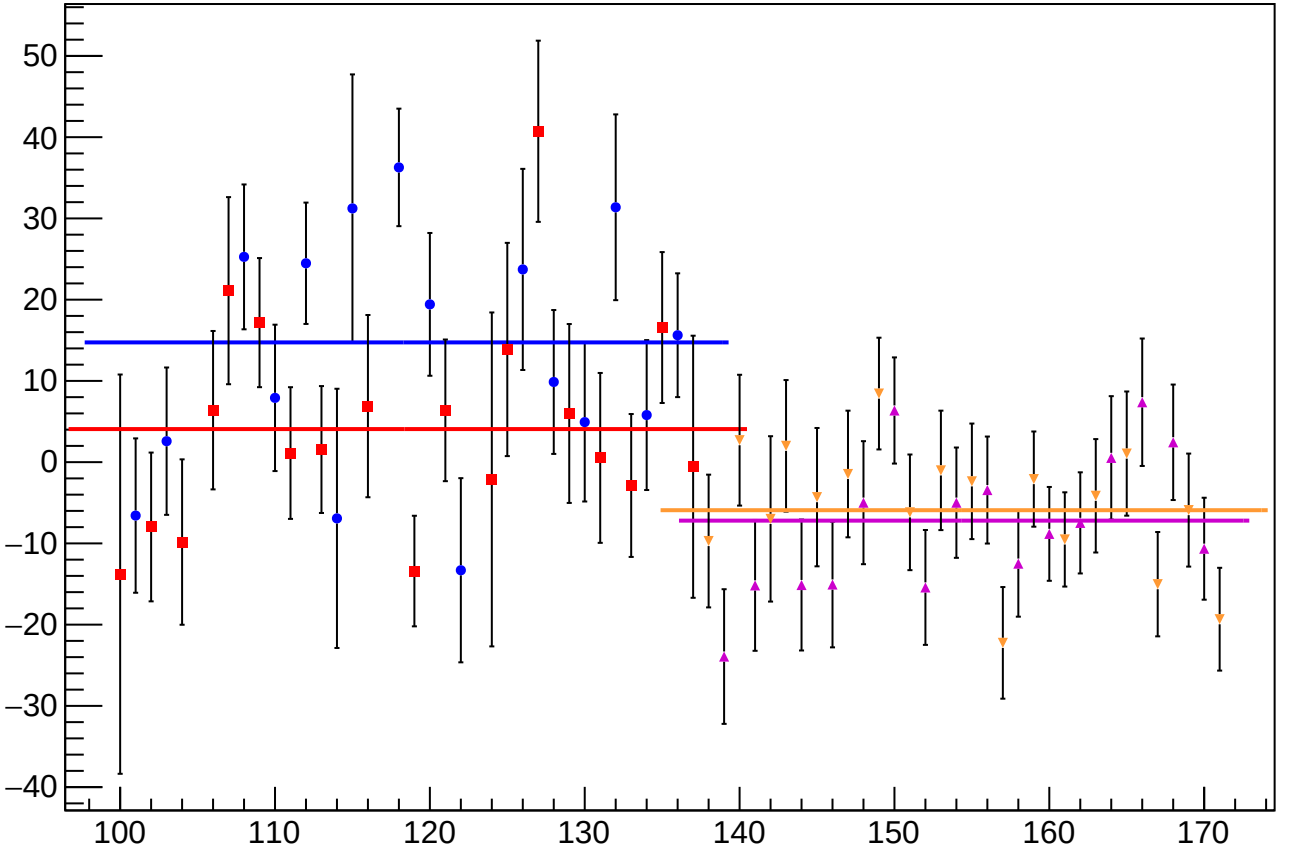
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1826.367+/-0.289 χ^2/NDF:992294.6/31

Out: 1787.001+/-0.275 χ^2/NDF:1230317.0/36

All: 1805.688+/-0.199 χ^2/NDF: 2232336.9/68

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: -7.198+/-1.752 χ^2/NDF:20.6/15

Left: -6.531+/-1.214 χ^2/NDF: 42.5/33

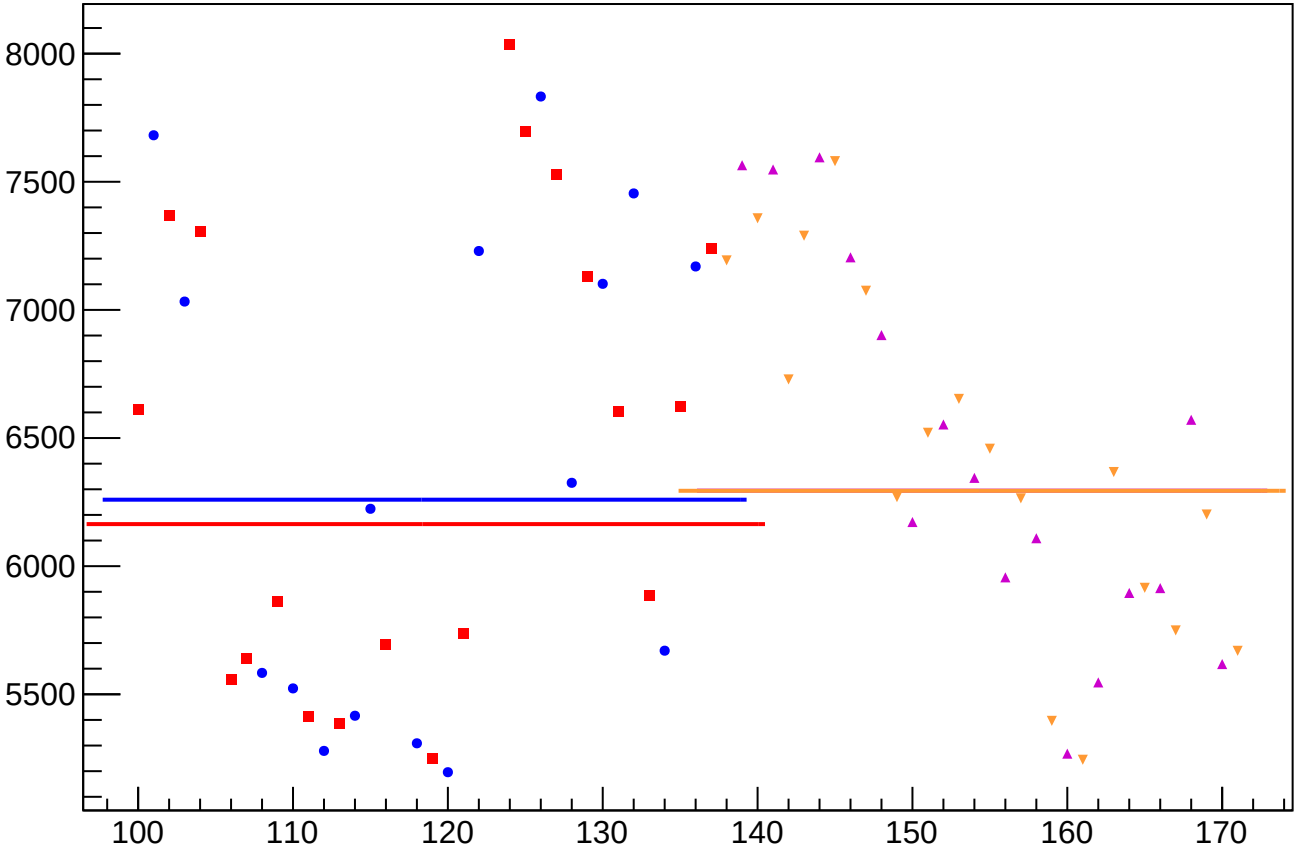
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: 0.607+/-1.406 χ^2/NDF:109.9/31

Out: -2.375+/-1.354 χ^2/NDF:64.2/36

All: -0.941+/-0.975 χ^2/NDF: 176.5/68

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: 6294.664+/-1.239 χ^2/NDF:327042.5/15

Left: 6294.385+/-0.859 χ^2/NDF: 645449.9/33

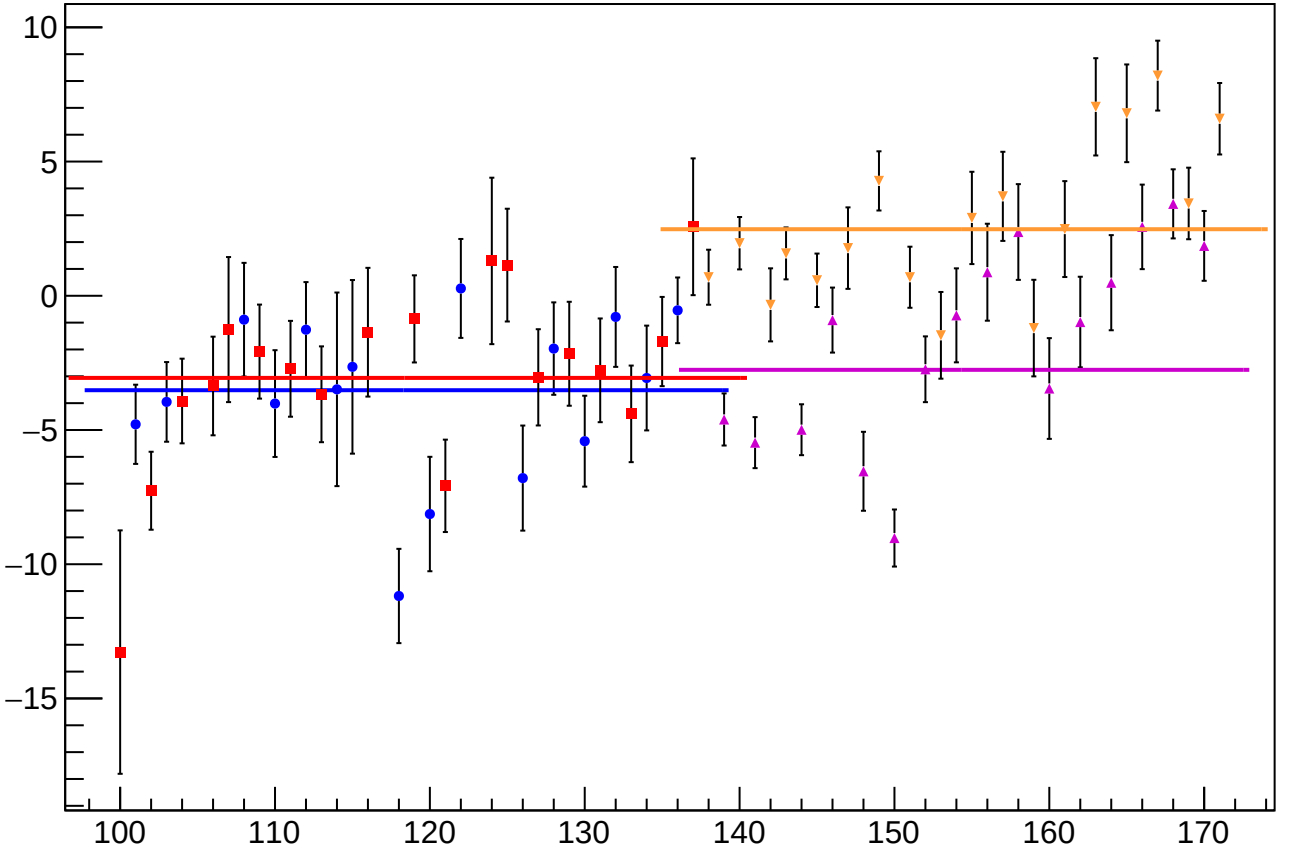
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6282.123+/-0.994 χ^2/NDF:635937.3/31

Out: 6248.057+/-0.957 χ^2/NDF:587685.7/36

All: 6264.441+/-0.690 χ^2/NDF: 1224232.1/68

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: -2.759+/-0.325 χ^2/NDF:126.4/15

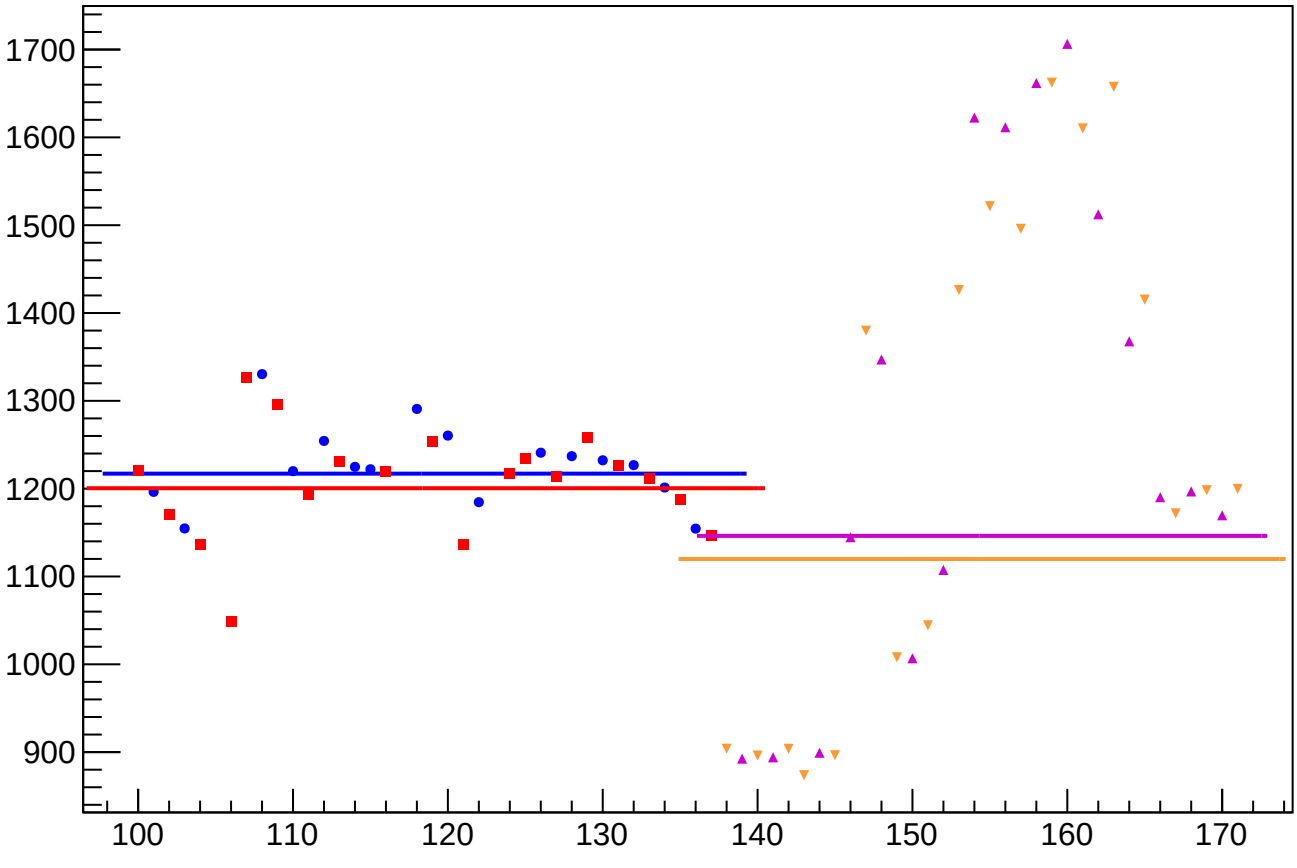
Left: 0.017+/-0.223 χ^2/NDF: 333.8/33

Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -3.017+/-0.264 χ^2/NDF:173.4/31

Out: 0.665+/-0.251 χ^2/NDF:211.8/36

All: -1.083+/-0.182 χ^2/NDF: 487.4/68



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: 1146.225+/-0.230 χ^2/NDF:1243923.1/15

Left: 1132.285+/-0.157 χ^2/NDF: 2676141.8/33

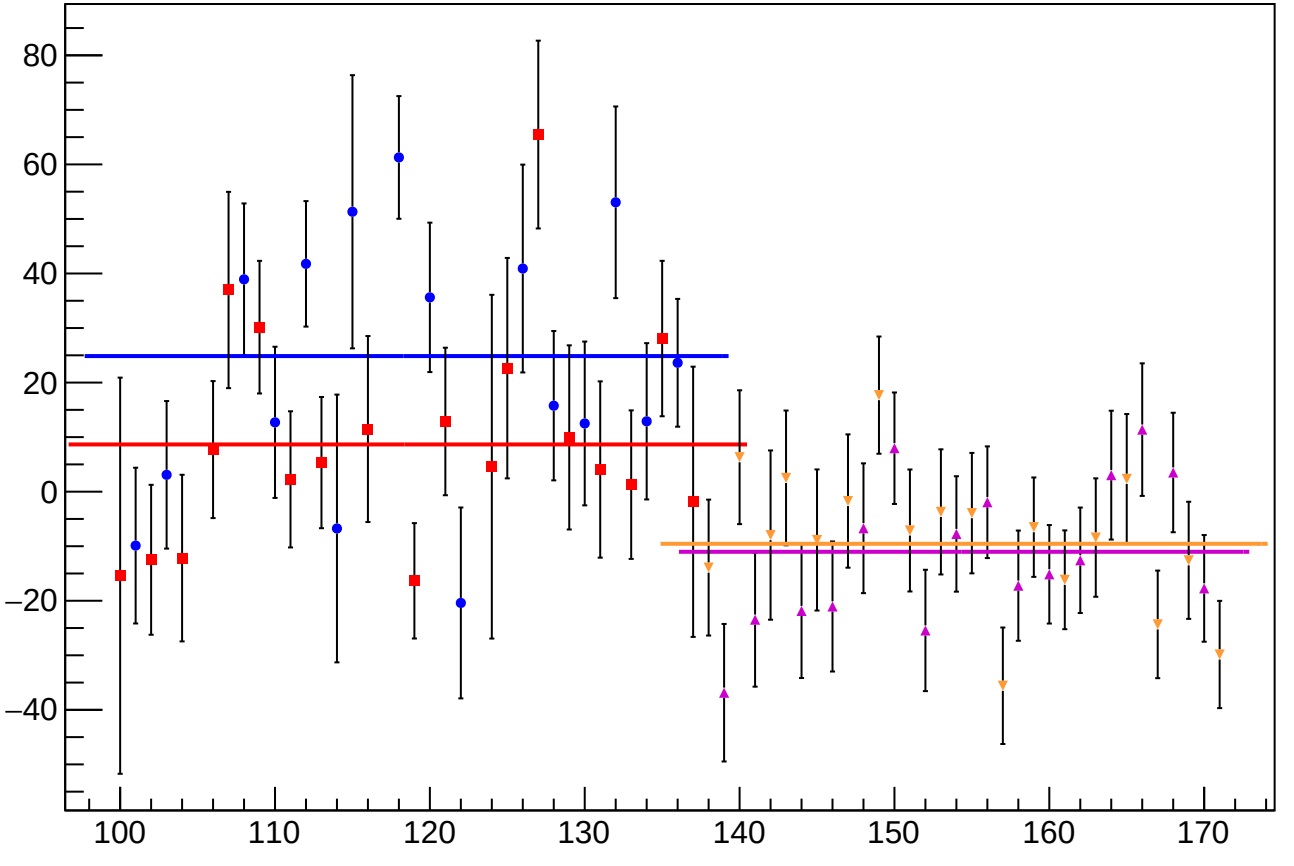
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1170.333+/-0.187 χ^2/NDF:1297992.1/31

Out: 1146.317+/-0.177 χ^2/NDF:1508365.6/36

All: 1157.721+/-0.129 χ^2/NDF: 2815058.4/68

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: -11.024+/-2.719 χ^2/NDF:20.5/15

Left: -10.260+/-1.883 χ^2/NDF: 45.0/33

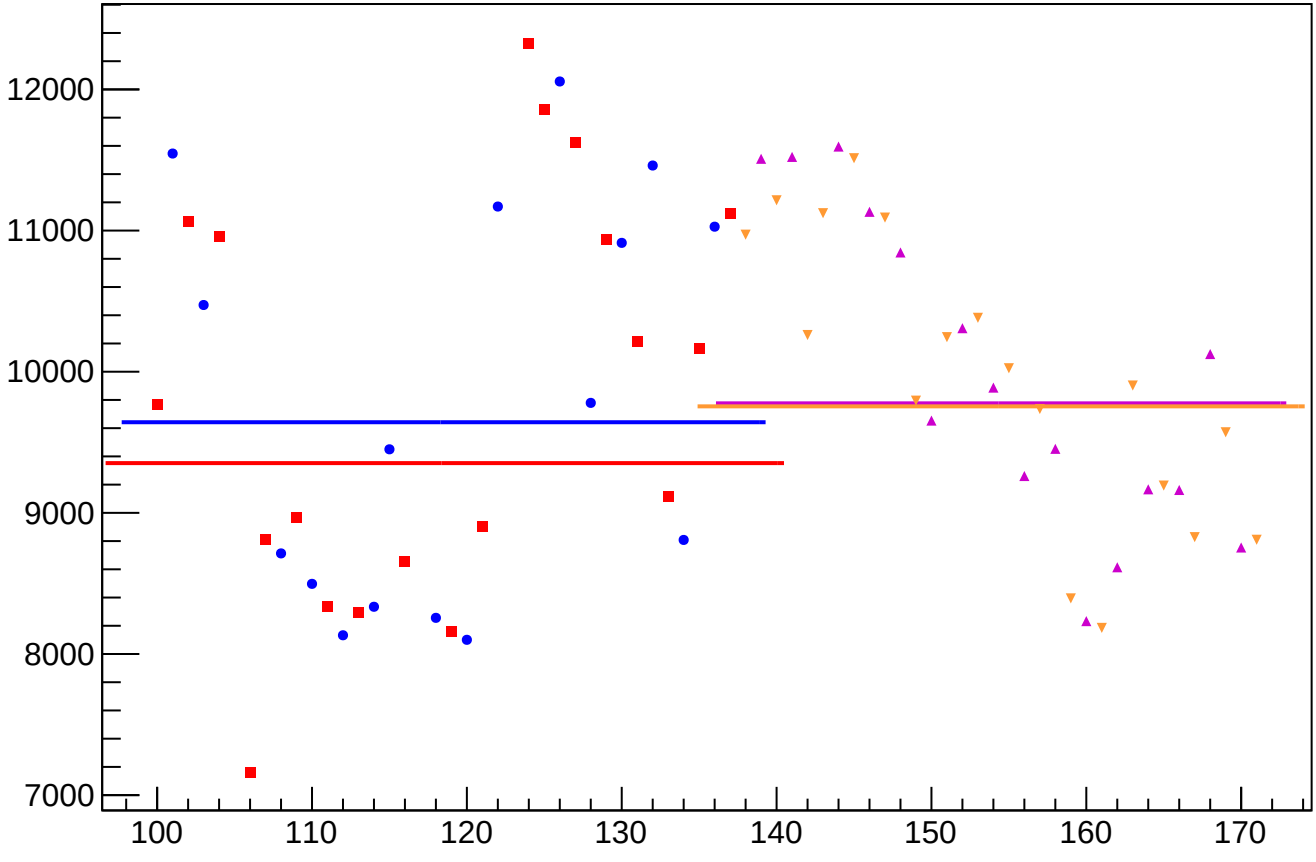
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: 1.884+/-2.176 χ^2/NDF:121.3/31

Out: -2.936+/-2.082 χ^2/NDF:72.2/36

All: -0.632+/-1.504 χ^2/NDF: 196.1/68

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: 9775.871+/-1.923 χ^2/NDF:297702.5/15

Left: 9764.778+/-1.331 χ^2/NDF: 589987.4/33

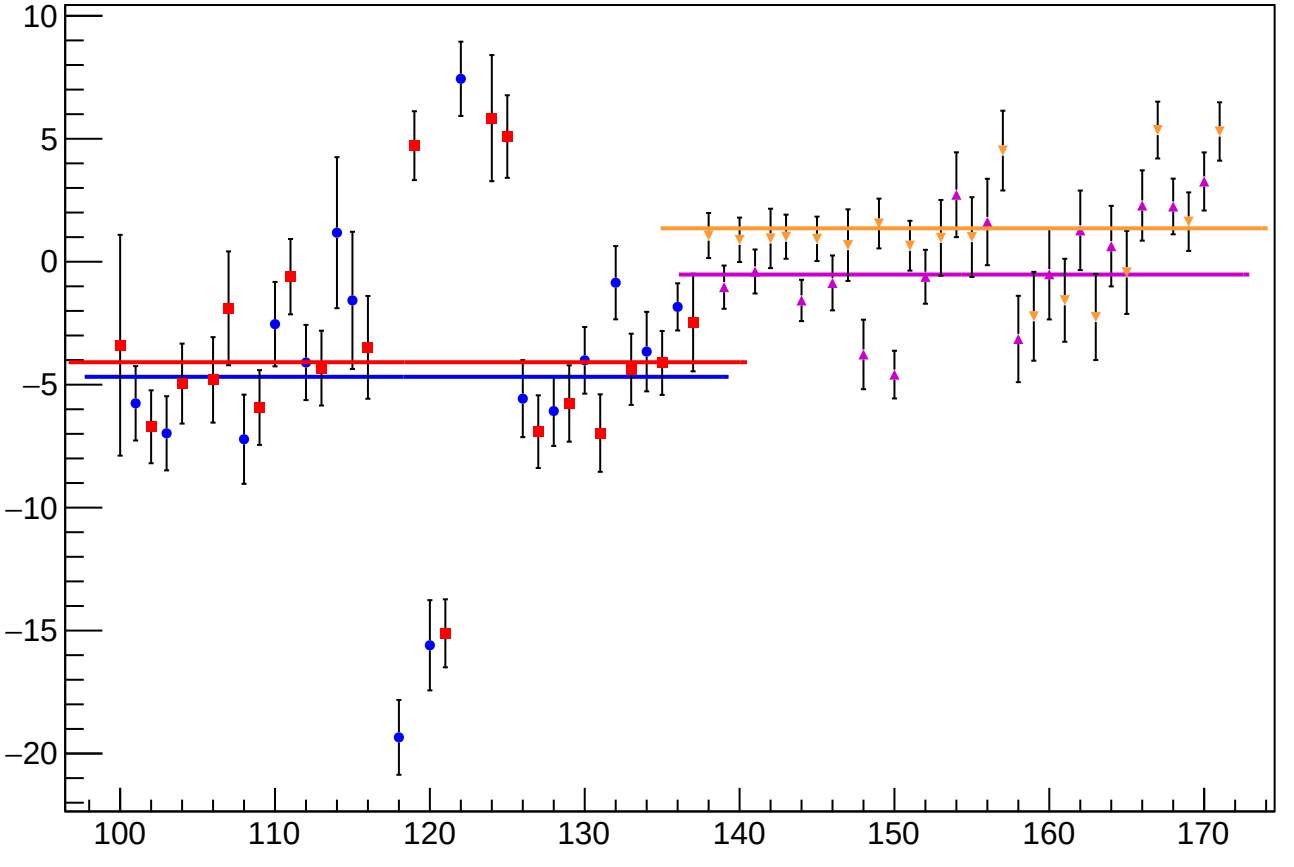
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9727.744+/-1.539 χ^2/NDF:579101.6/31

Out: 9608.415+/-1.472 χ^2/NDF:611252.2/36

All: 9665.457+/-1.064 χ^2/NDF: 1193493.7/68

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: -0.521+/-0.299 χ^2/NDF:54.0/15

Left: 0.477+/-0.205 χ^2/NDF: 115.8/33

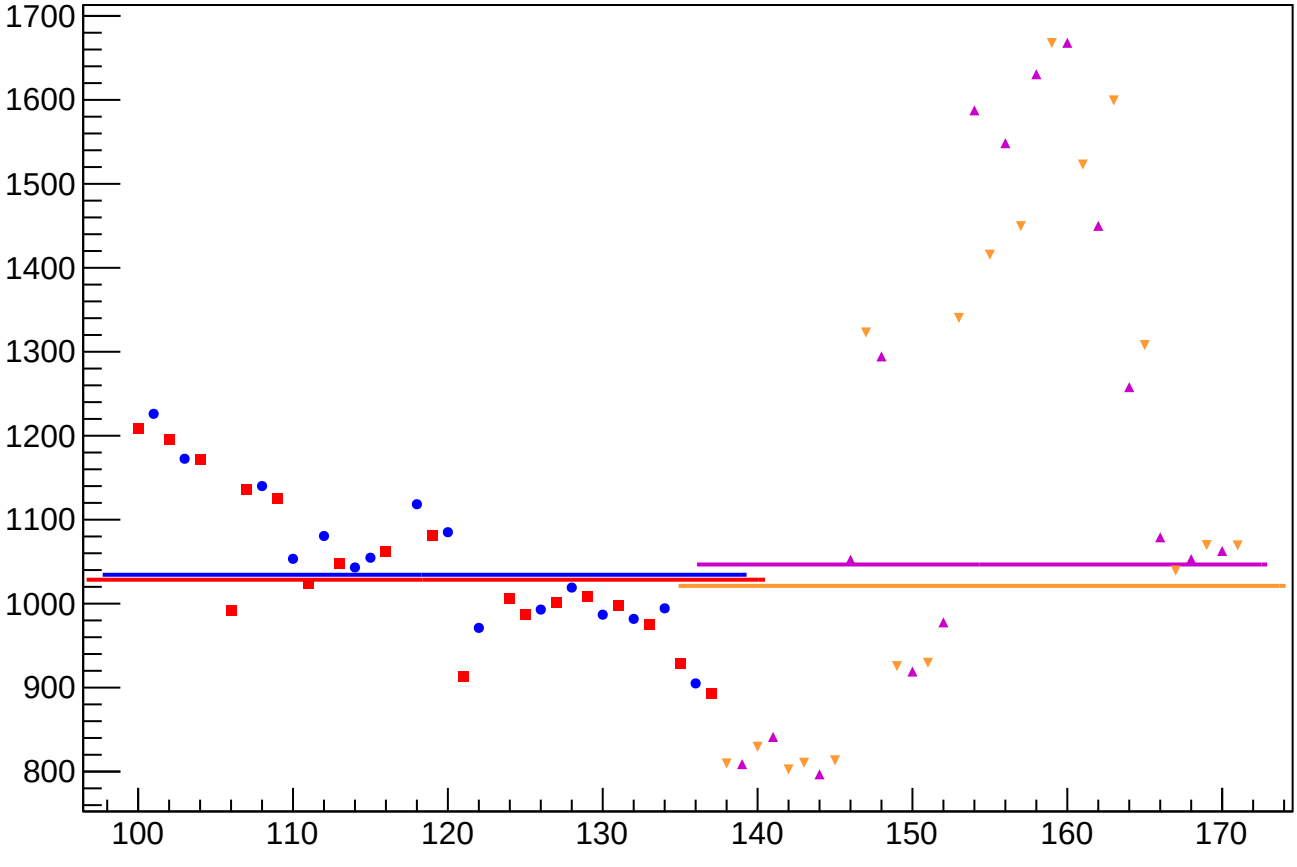
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -2.083+/-0.236 χ^2/NDF:347.8/31

Out: -0.590+/-0.225 χ^2/NDF:343.3/36

All: -1.300+/-0.163 χ^2/NDF: 712.0/68

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: 1046.642+/-0.211 χ^2/NDF:1501337.3/15

Left: 1033.104+/-0.145 χ^2/NDF: 3167413.0/33

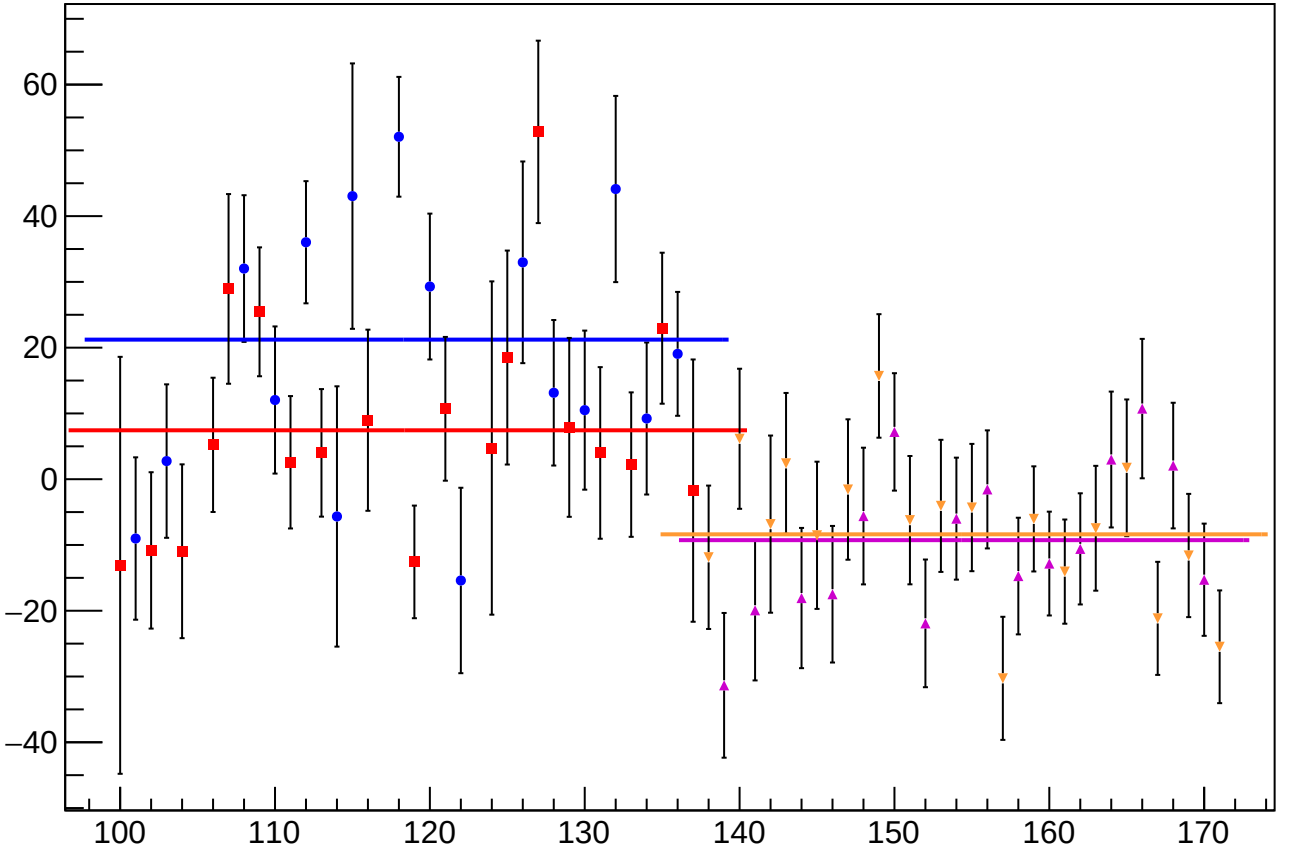
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1042.048+/-0.167 χ^2/NDF:1615873.5/31

Out: 1023.787+/-0.159 χ^2/NDF:1760475.1/36

All: 1032.472+/-0.115 χ^2/NDF: 3382608.1/68

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: -9.268+/-2.375 χ^2/NDF:19.9/15

Left: -8.806+/-1.644 χ^2/NDF: 43.7/33

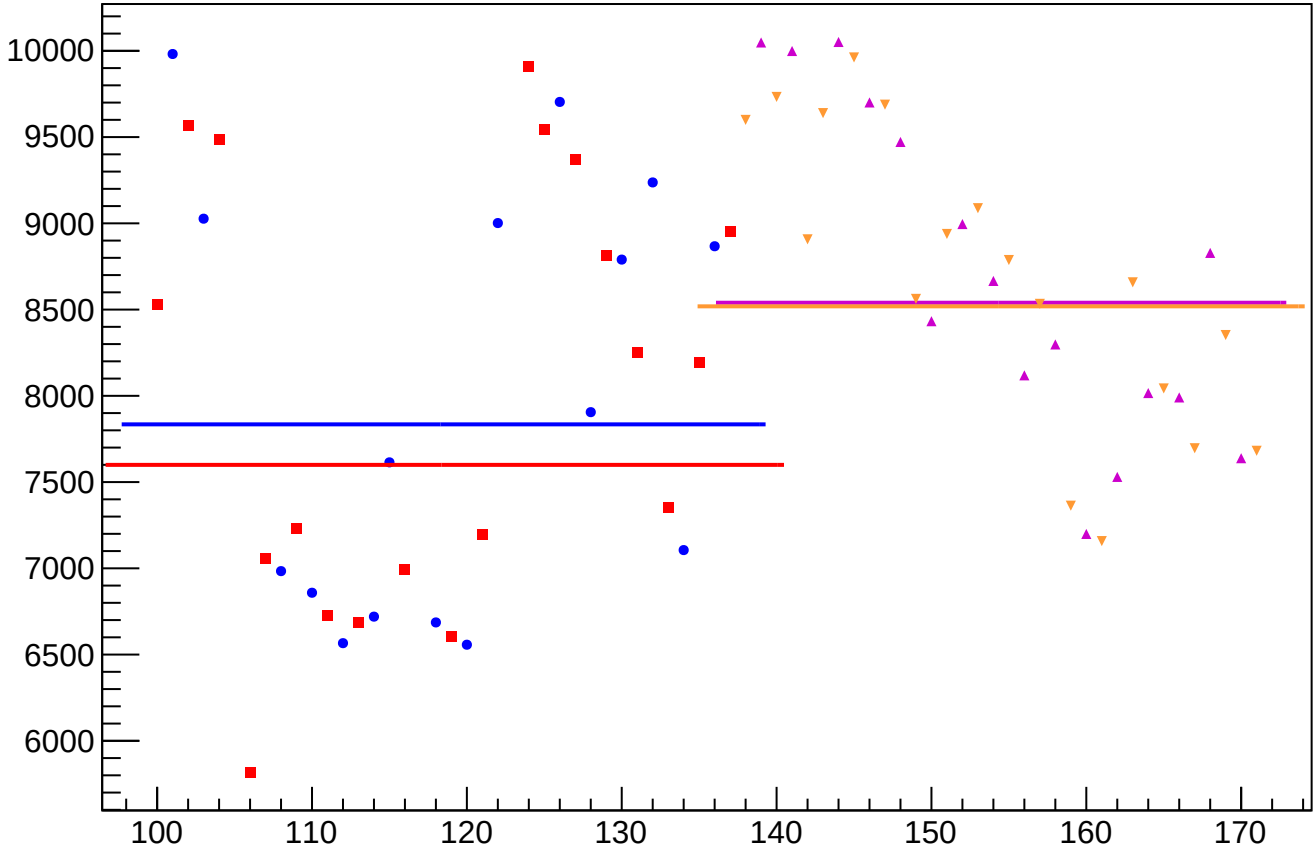
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 2.712+/-1.850 χ^2/NDF:124.8/31

Out: -2.107+/-1.770 χ^2/NDF:72.6/36

All: 0.196+/-1.279 χ^2/NDF: 200.9/68

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: 8539.706+/-1.679 χ^2/NDF:288185.2/15

Left: 8528.821+/-1.163 χ^2/NDF: 569952.8/33

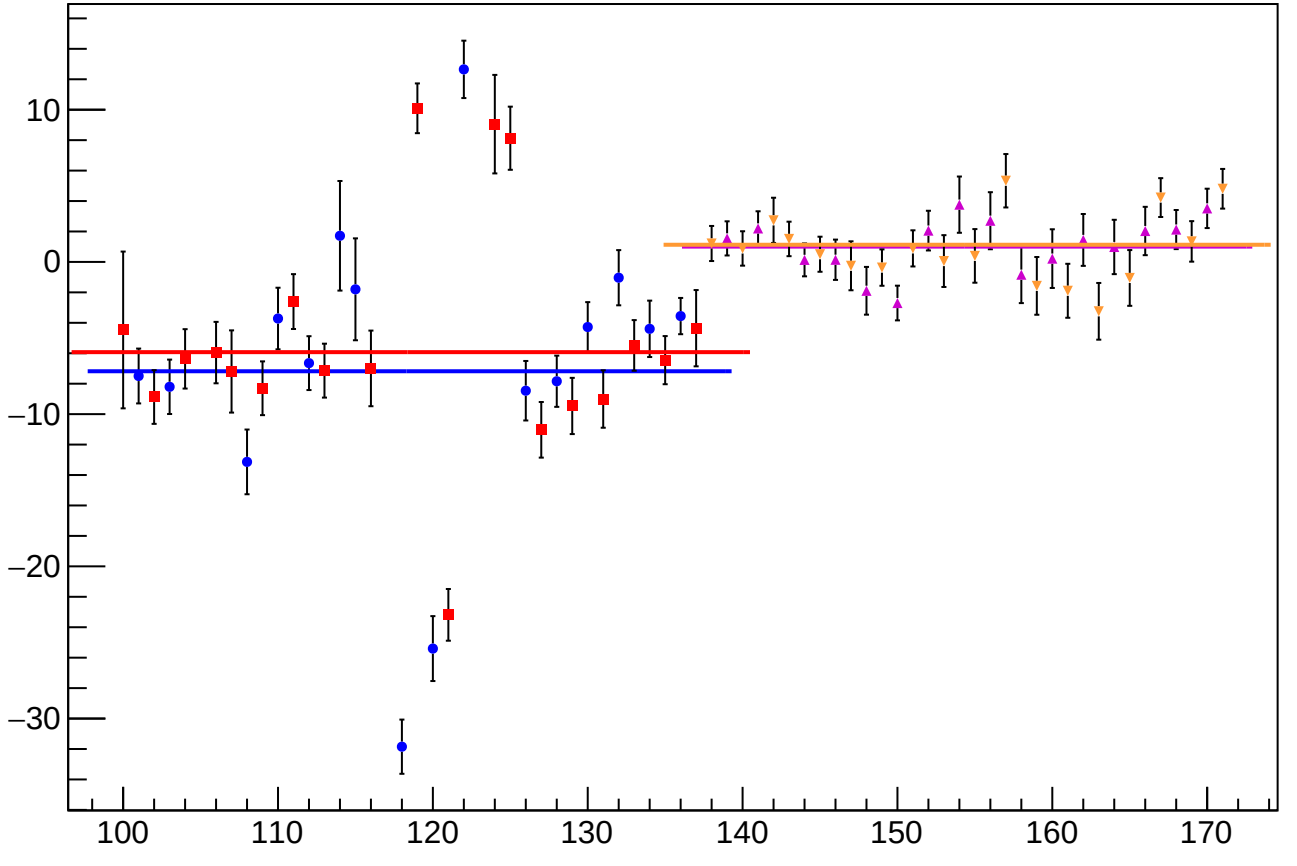
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8262.667+/-1.308 χ^2/NDF:675552.5/31

Out: 8154.228+/-1.252 χ^2/NDF:755030.6/36

All: 8206.045+/-0.904 χ^2/NDF: 1434170.1/68

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: 1.006+/-0.350 χ^2/NDF:26.3/15

Left: 1.071+/-0.240 χ^2/NDF: 62.4/33

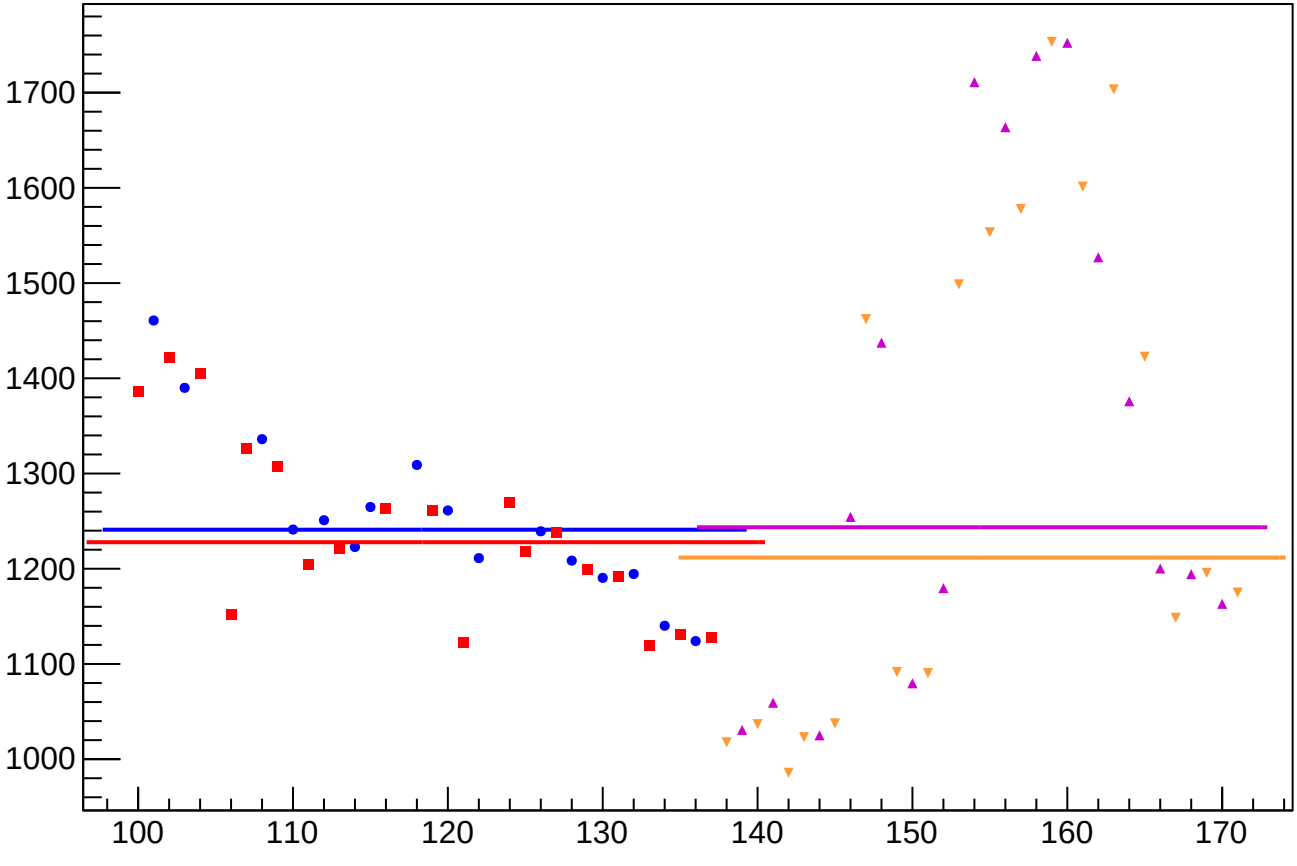
Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.977+/-0.279 χ^2/NDF:647.9/31

Out: -1.332+/-0.265 χ^2/NDF:487.1/36

All: -1.638+/-0.192 χ^2/NDF: 1137.9/68

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1211.727+/-0.232 χ^2/NDF:993148.5/17

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1243.547+/-0.247 χ^2/NDF:870928.7/15

Left: 1226.634+/-0.169 χ^2/NDF: 1872864.0/33

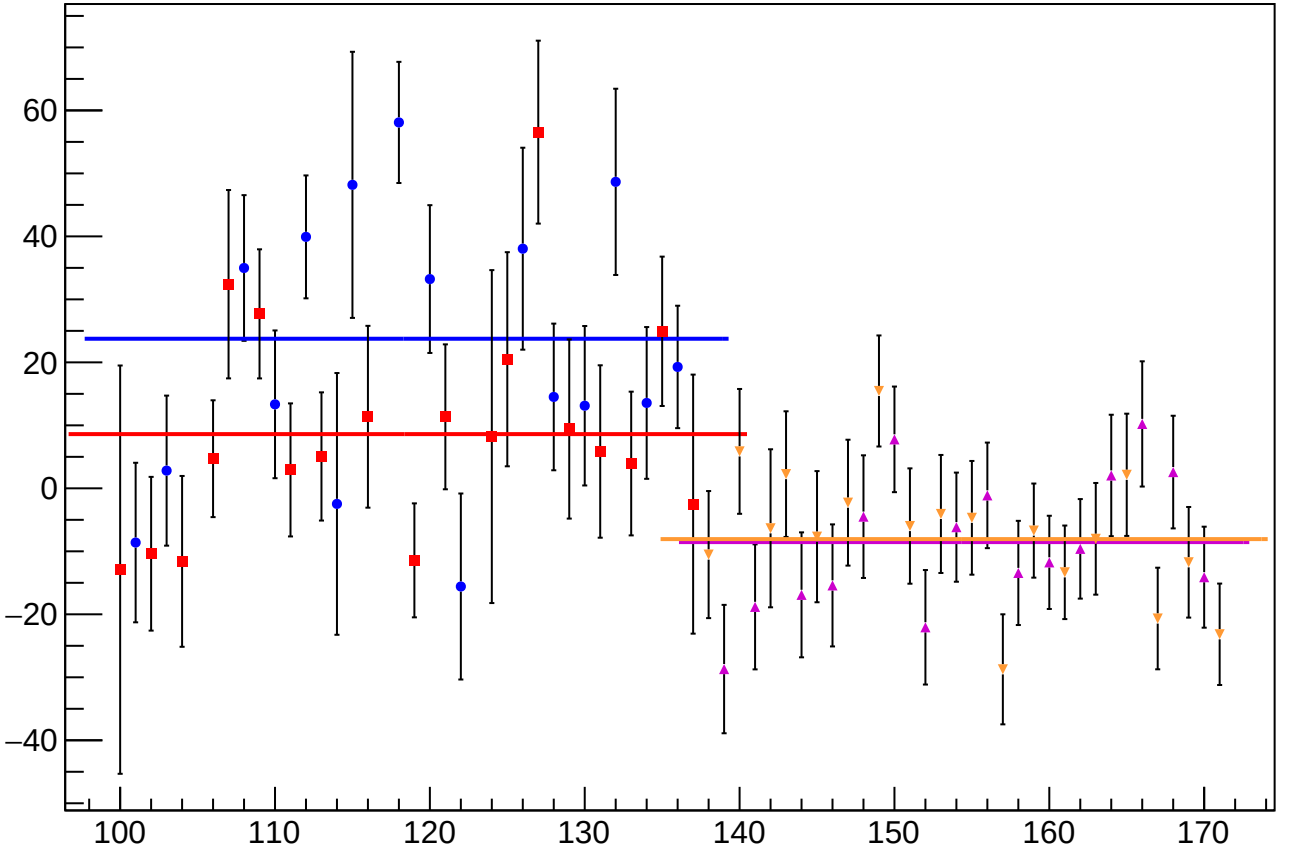
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1242.622+/-0.197 χ^2/NDF:951620.6/31

Out: 1217.352+/-0.188 χ^2/NDF:1077169.2/36

All: 1229.344+/-0.136 χ^2/NDF: 2037406.9/68

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: -8.536+/-2.220 χ^2/NDF:20.6/15

Left: -8.288+/-1.537 χ^2/NDF: 44.9/33

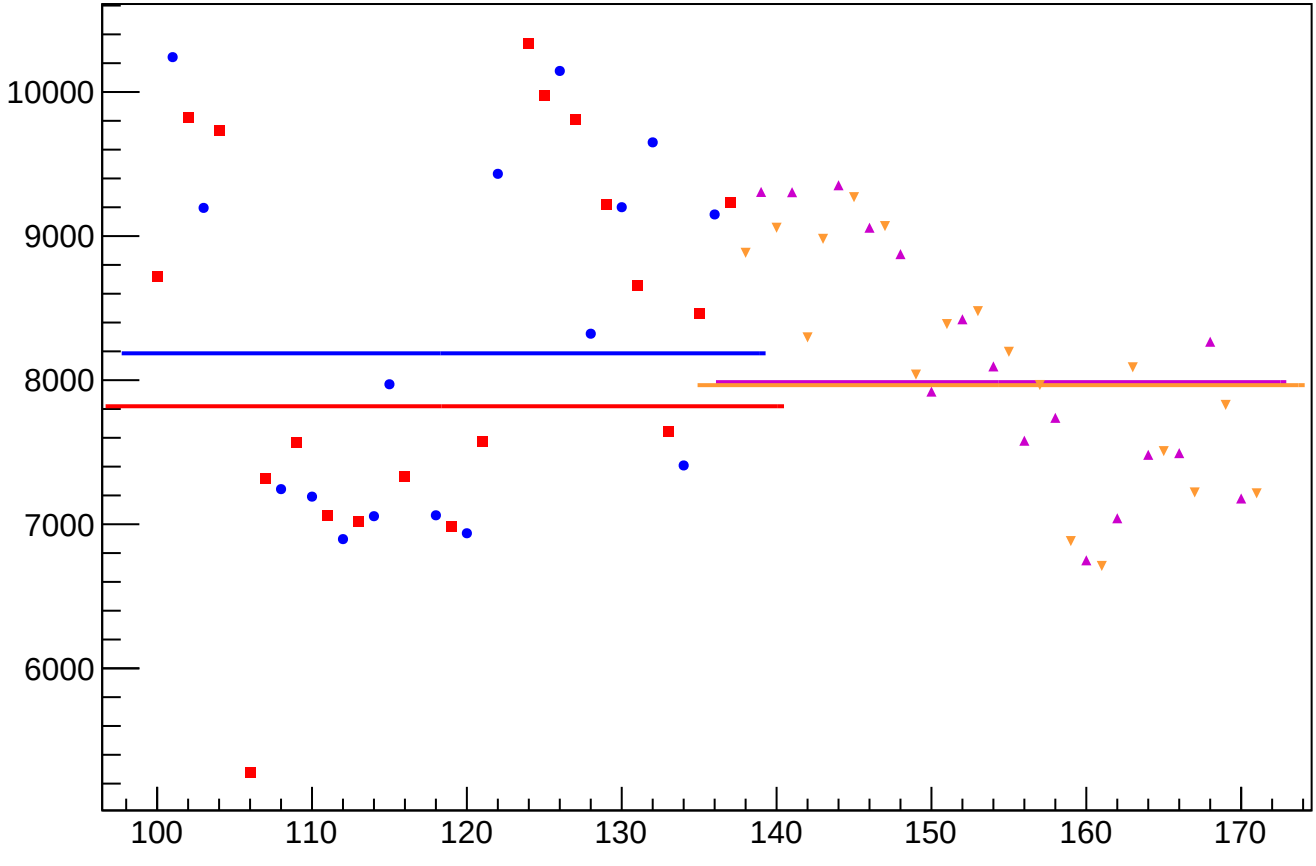
Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

In: 2.497+/-1.801 χ^2/NDF:136.3/31

Out: -2.216+/-1.717 χ^2/NDF:76.3/36

All: 0.027+/-1.243 χ^2/NDF: 216.1/68

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: 7986.371+/-1.570 χ^2/NDF:276552.1/15

Left: 7975.462+/-1.087 χ^2/NDF: 546076.9/33

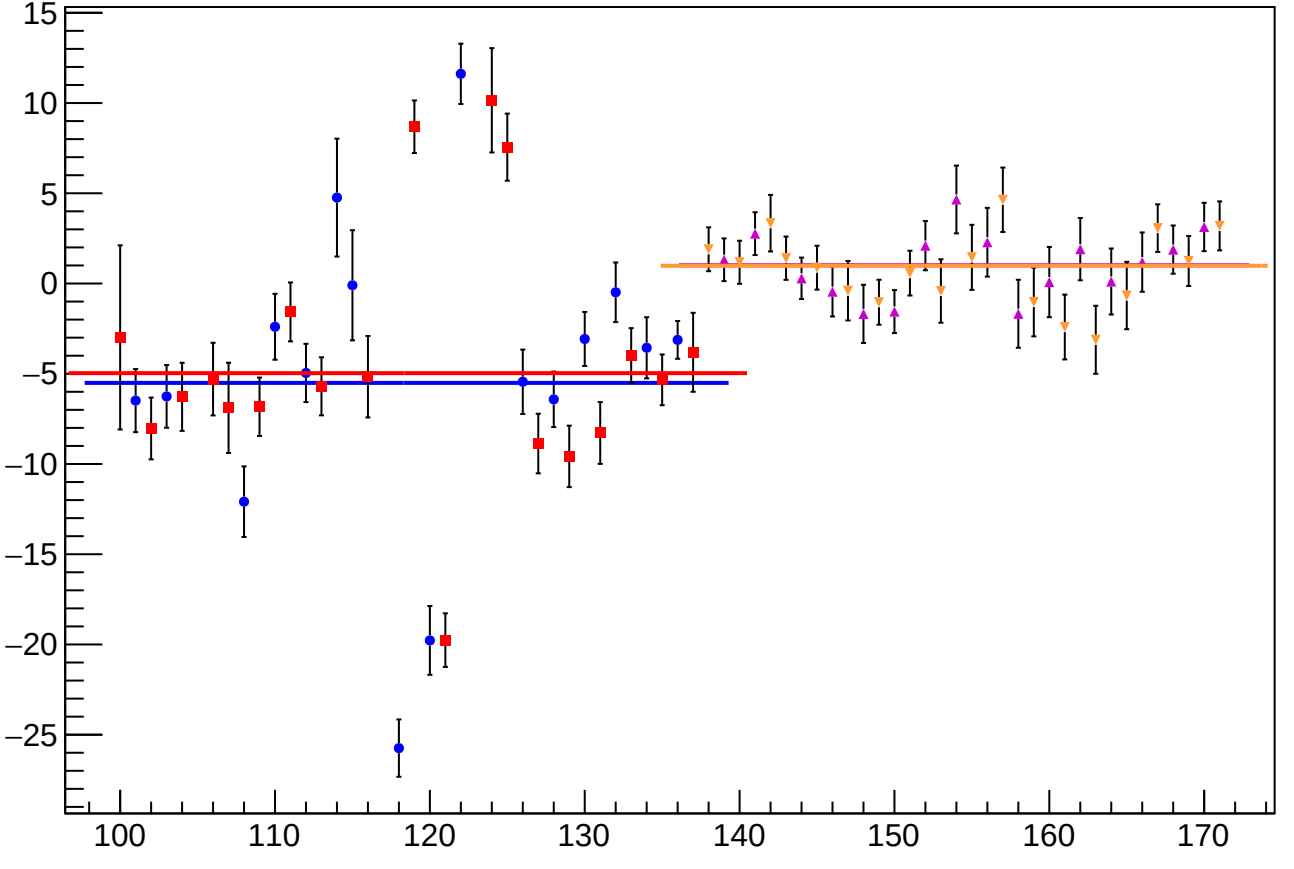
Right: 7991.468+/-1.493 χ^2/NDF: 728709.0/34

In: 8054.713+/-1.274 χ^2/NDF:572726.5/31

Out: 7914.071+/-1.214 χ^2/NDF:695744.8/36

All: 7981.006+/-0.879 χ^2/NDF: 1274861.0/68

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: 1.014+/-0.363 χ^2/NDF:21.8/15

Left: 0.997+/-0.249 χ^2/NDF: 48.5/33

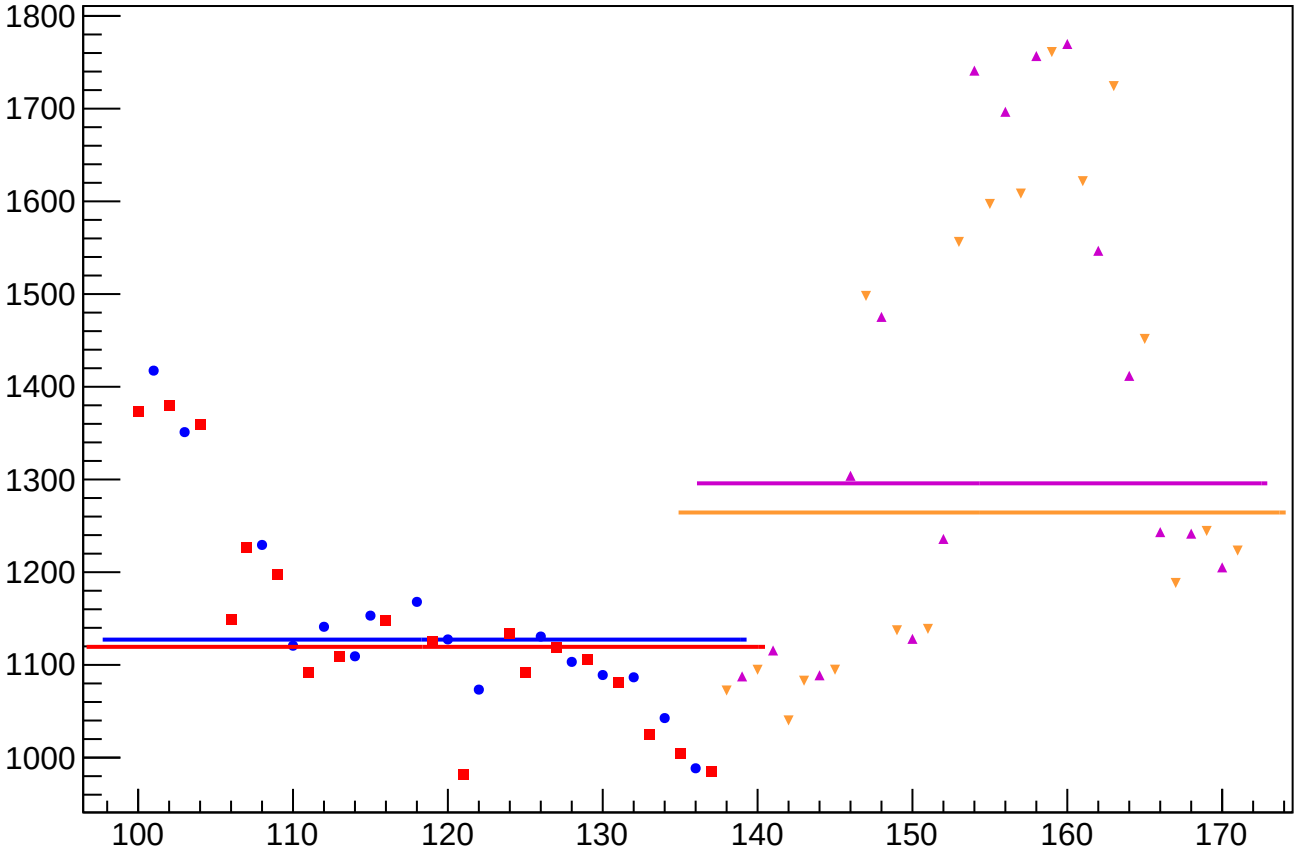
Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.771+/-0.275 χ^2/NDF:529.1/31

Out: -1.454+/-0.263 χ^2/NDF:438.1/36

All: -1.605+/-0.190 χ^2/NDF: 967.9/68

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: 1295.844+/-0.257 χ^2/NDF:745874.0/15

Left: 1279.150+/-0.176 χ^2/NDF: 1612312.8/33

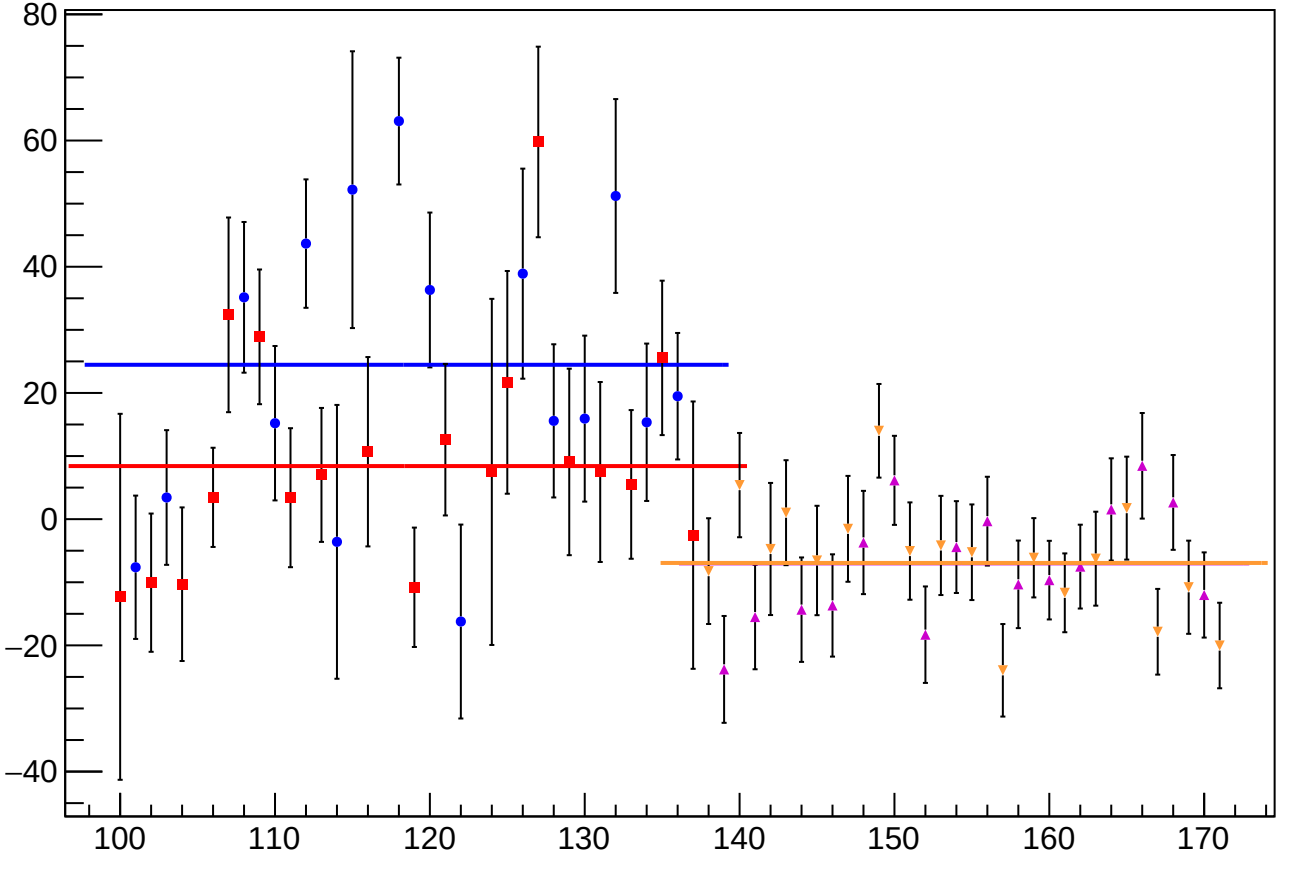
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1223.832+/-0.195 χ^2/NDF:1070221.8/31

Out: 1205.039+/-0.186 χ^2/NDF:1146515.7/36

All: 1213.999+/-0.134 χ^2/NDF: 2221621.2/68

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: -7.006+/-1.864 χ^2/NDF:20.5/15

Left: -6.971+/-1.290 χ^2/NDF: 46.0/33

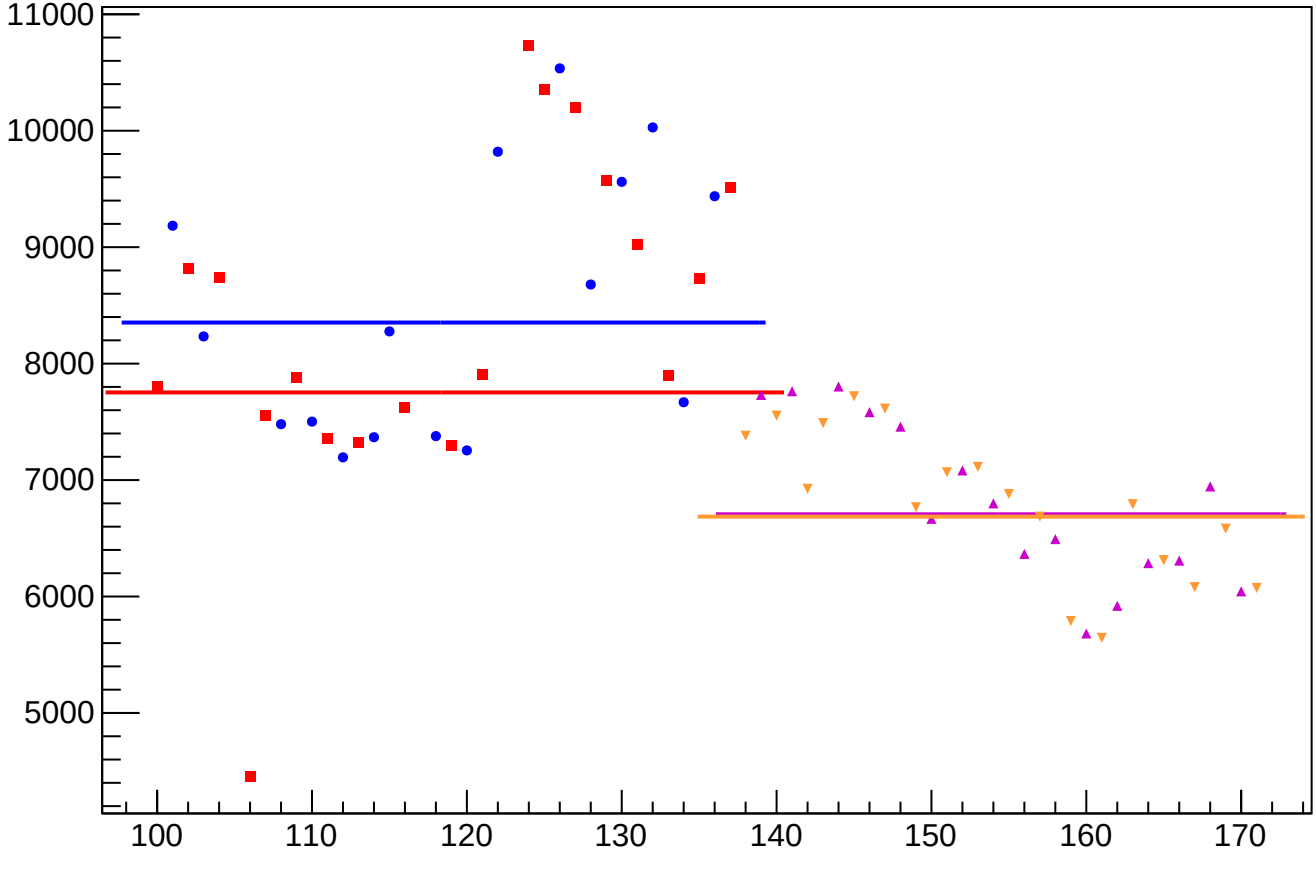
Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: 1.206+/-1.602 χ^2/NDF:143.2/31

Out: -2.694+/-1.520 χ^2/NDF:77.1/36

All: -0.846+/-1.103 χ^2/NDF: 223.4/68

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: 6706.049+/-1.318 χ^2/NDF:262291.9/15

Left: 6695.659+/-0.912 χ^2/NDF: 516621.0/33

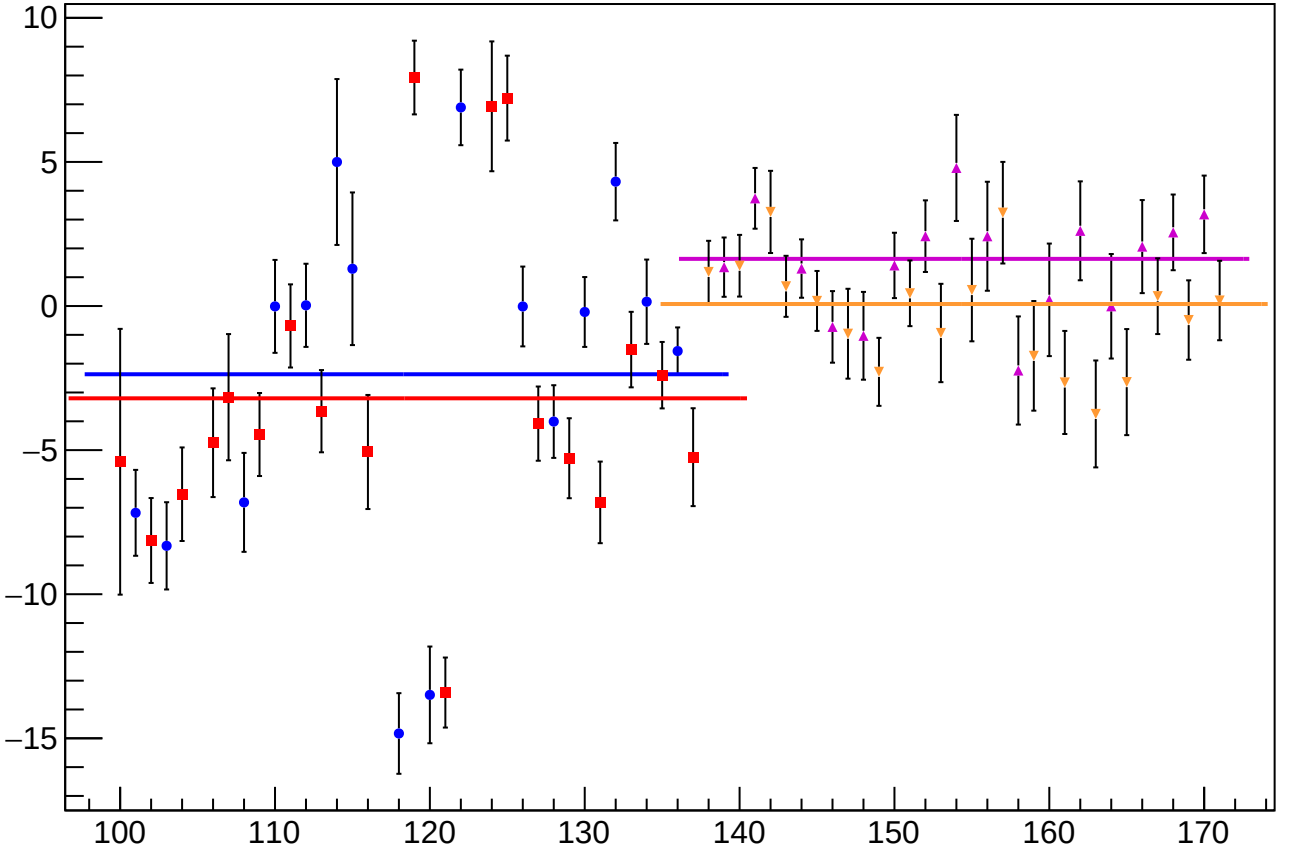
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7135.765+/-1.133 χ^2/NDF:890218.5/31

Out: 6981.063+/-1.075 χ^2/NDF:1039223.9/36

All: 7054.366+/-0.780 χ^2/NDF: 1939255.2/68

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: 1.637+/-0.341 χ^2/NDF:22.2/15

Left: 0.805+/-0.234 χ^2/NDF: 59.4/33

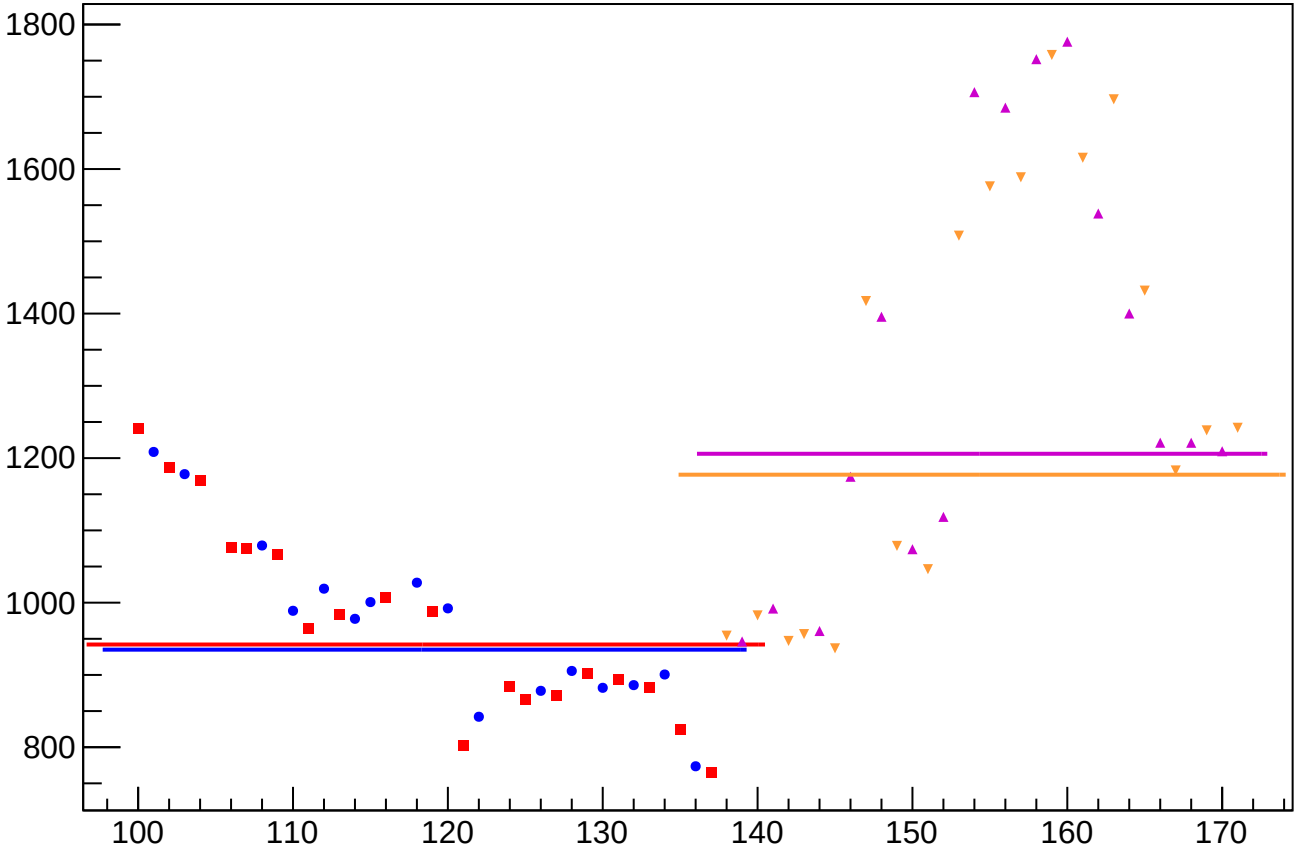
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.310+/-0.244 χ^2/NDF:344.9/31

Out: -1.440+/-0.235 χ^2/NDF:324.6/36

All: -0.897+/-0.169 χ^2/NDF: 680.5/68

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: 1206.011+/-0.241 χ^2/NDF:1110810.1/15

Left: 1190.662+/-0.165 χ^2/NDF: 2397941.1/33

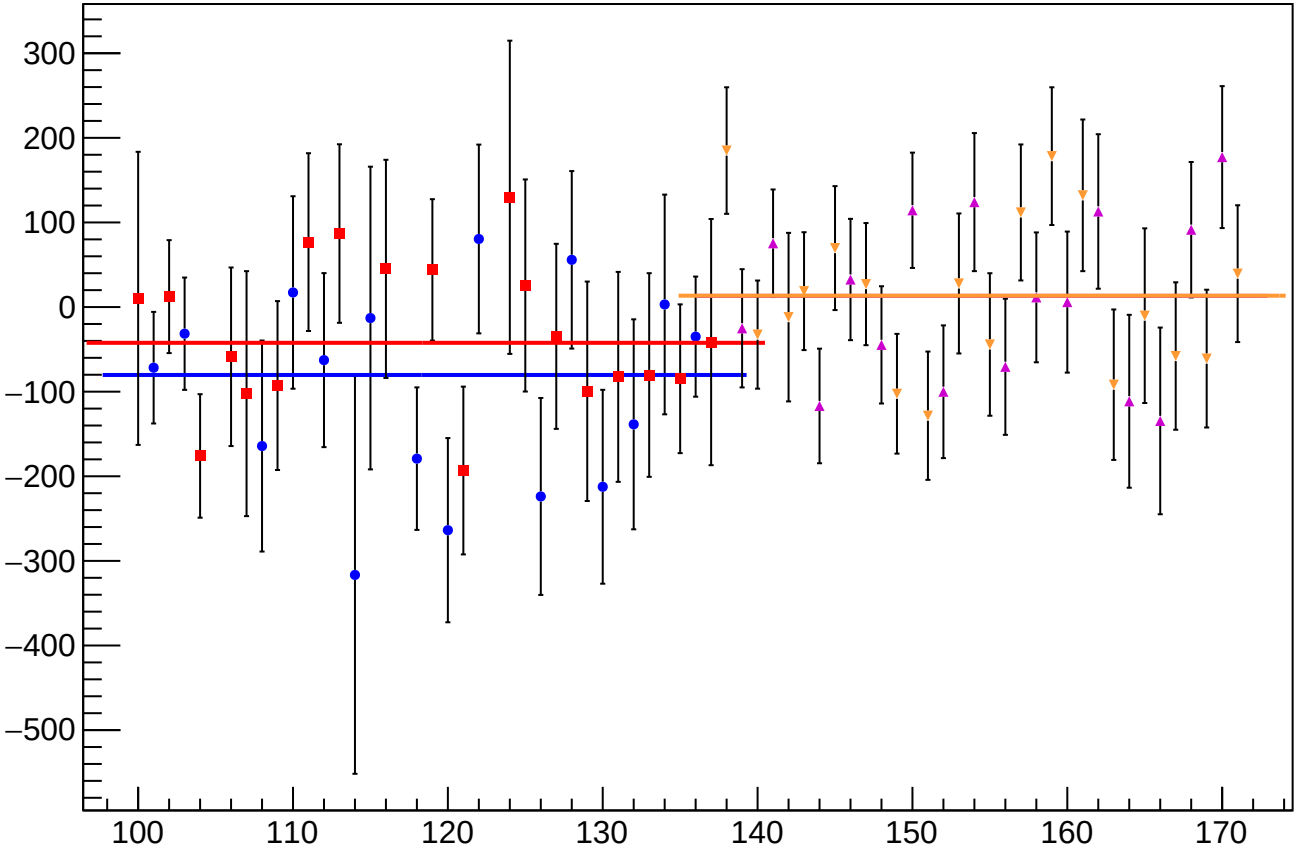
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1074.229+/-0.173 χ^2/NDF:1979798.9/31

Out: 1068.640+/-0.166 χ^2/NDF:2007676.2/36

All: 1071.329+/-0.120 χ^2/NDF: 3988017.8/68

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: 13.218+/-19.369 χ^2/NDF:22.2/15

Left: 13.329+/-13.458 χ^2/NDF: 45.8/33

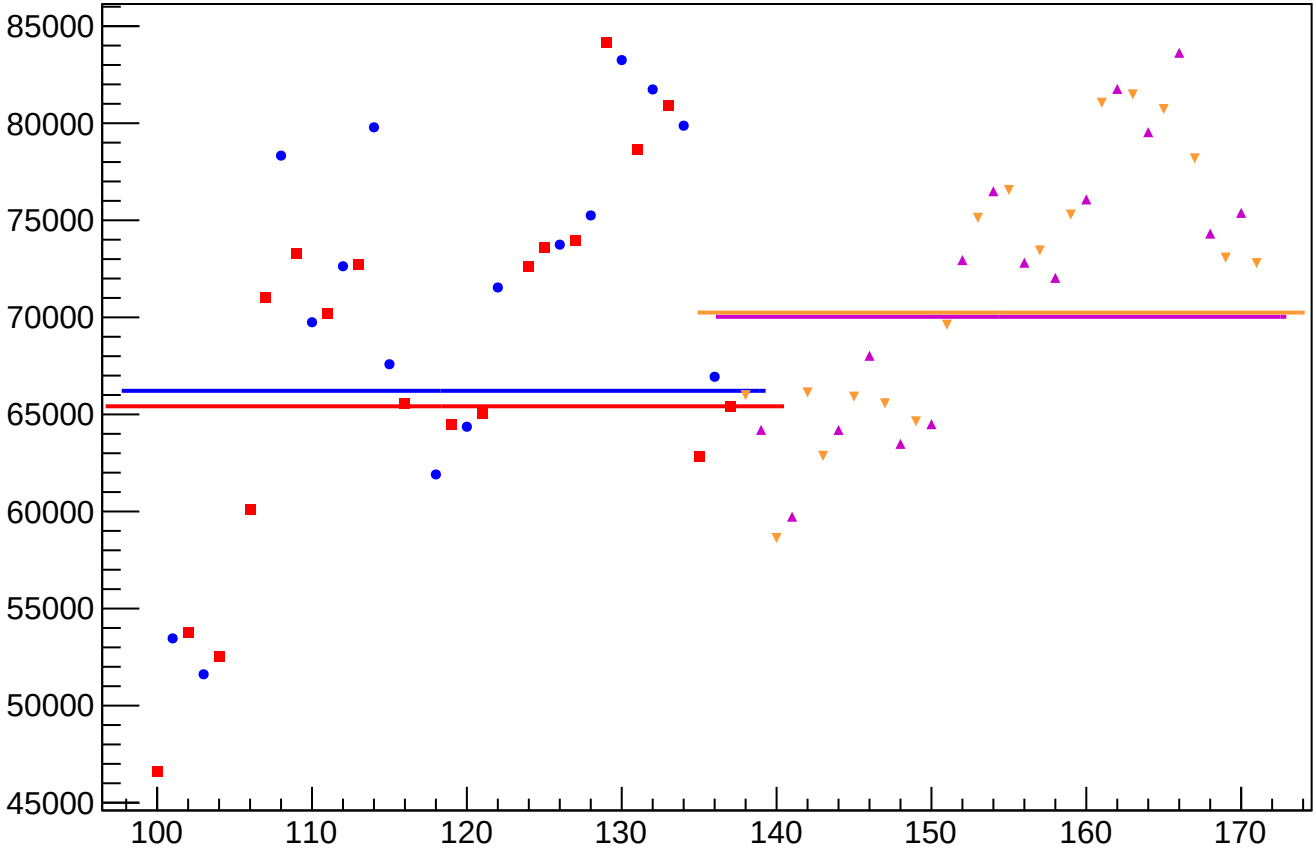
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -22.002+/-15.290 χ^2/NDF:45.8/31

Out: -7.467+/-14.790 χ^2/NDF:39.9/36

All: -14.493+/-10.631 χ^2/NDF: 86.1/68

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: 70028.782+/-13.696 χ^2/NDF:238063.4/15

Left: 70141.124+/-9.516 χ^2/NDF: 496377.0/33

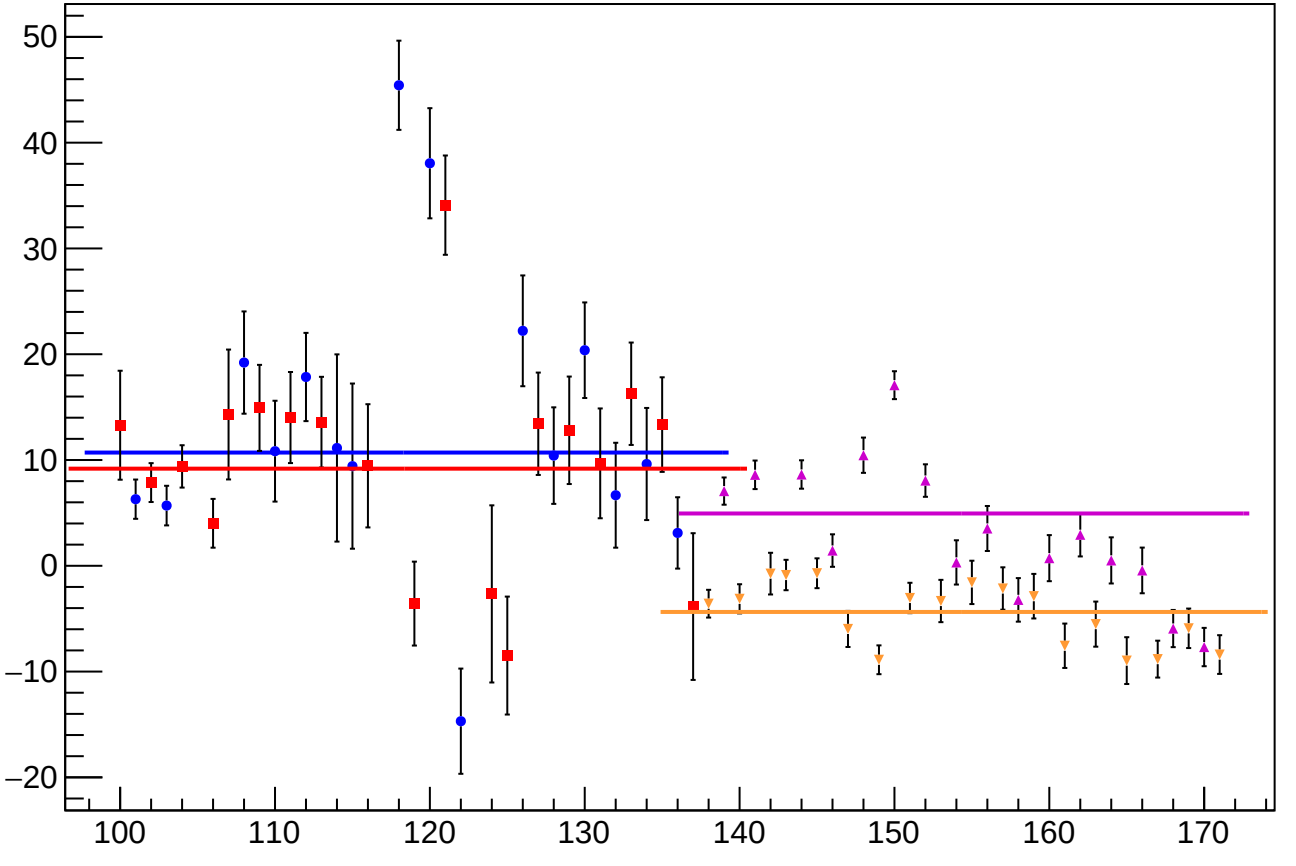
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68592.140+/-10.812 χ^2/NDF:605642.0/31

Out: 68434.474+/-10.458 χ^2/NDF:612689.4/36

All: 68510.687+/-7.517 χ^2/NDF: 1218441.3/6

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: 4.945+/-0.420 χ^2/NDF:245.3/15

Left: 0.067+/-0.290 χ^2/NDF: 555.8/33

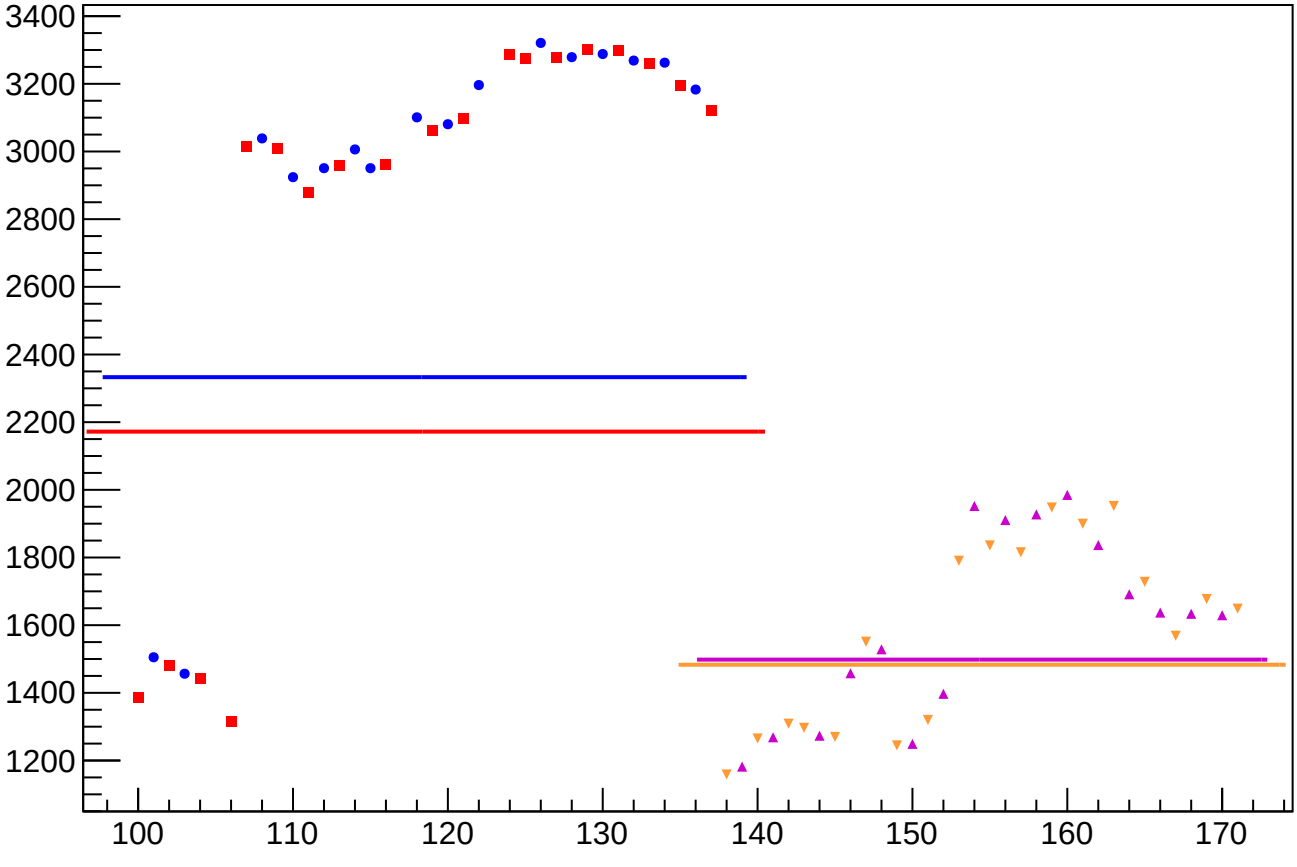
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.936+/-0.382 χ^2/NDF:433.2/31

Out: -1.908+/-0.362 χ^2/NDF:330.2/36

All: 1.804+/-0.263 χ^2/NDF: 985.7/68

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: 1498.216+/-0.297 χ^2/NDF:773763.7/15

Left: 1490.289+/-0.205 χ^2/NDF: 1634936.3/33

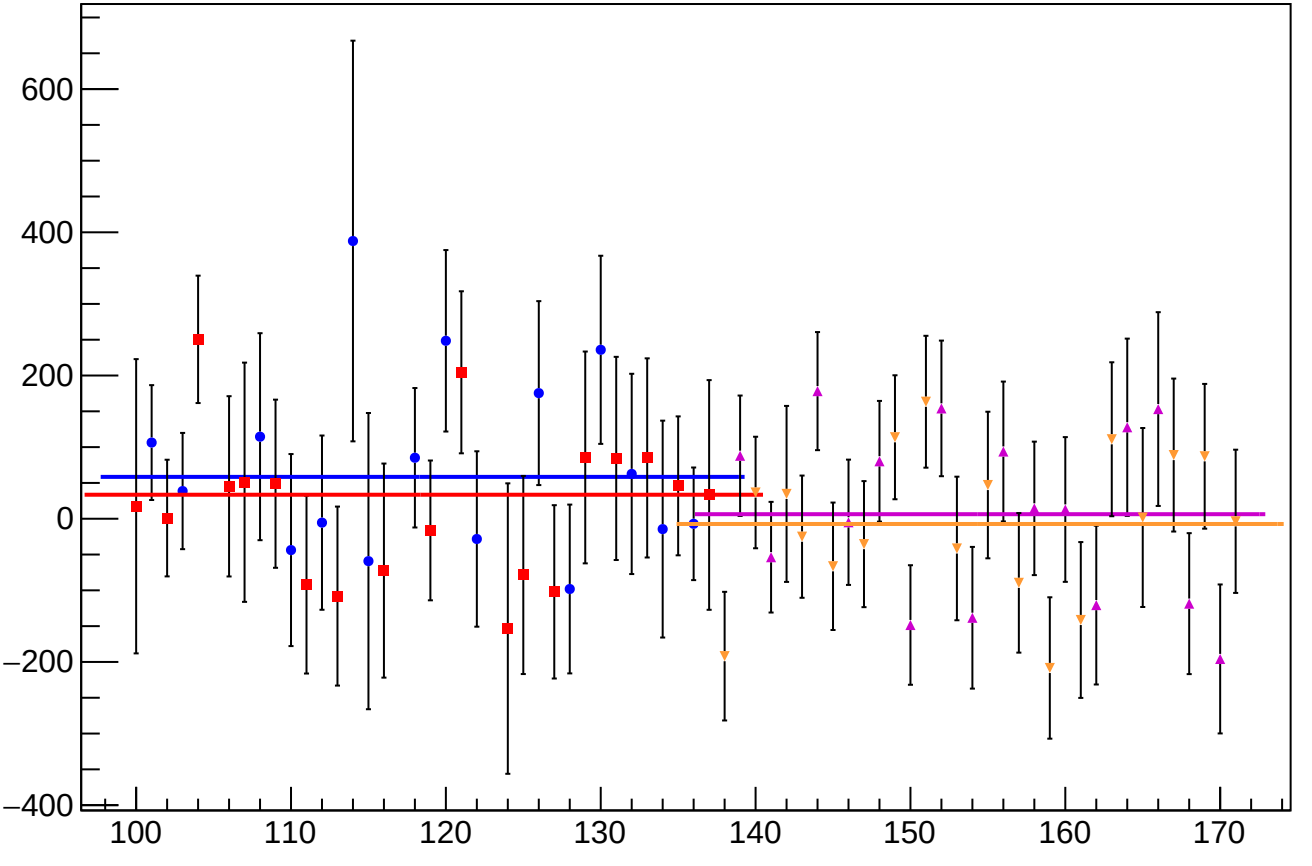
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1641.918+/-0.270 χ^2/NDF:3786813.2/31

Out: 1607.992+/-0.256 χ^2/NDF:3919385.2/36

All: 1624.046+/-0.186 χ^2/NDF: 7714512.0/68

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: 6.341+/-23.575 χ^2/NDF:24.3/15

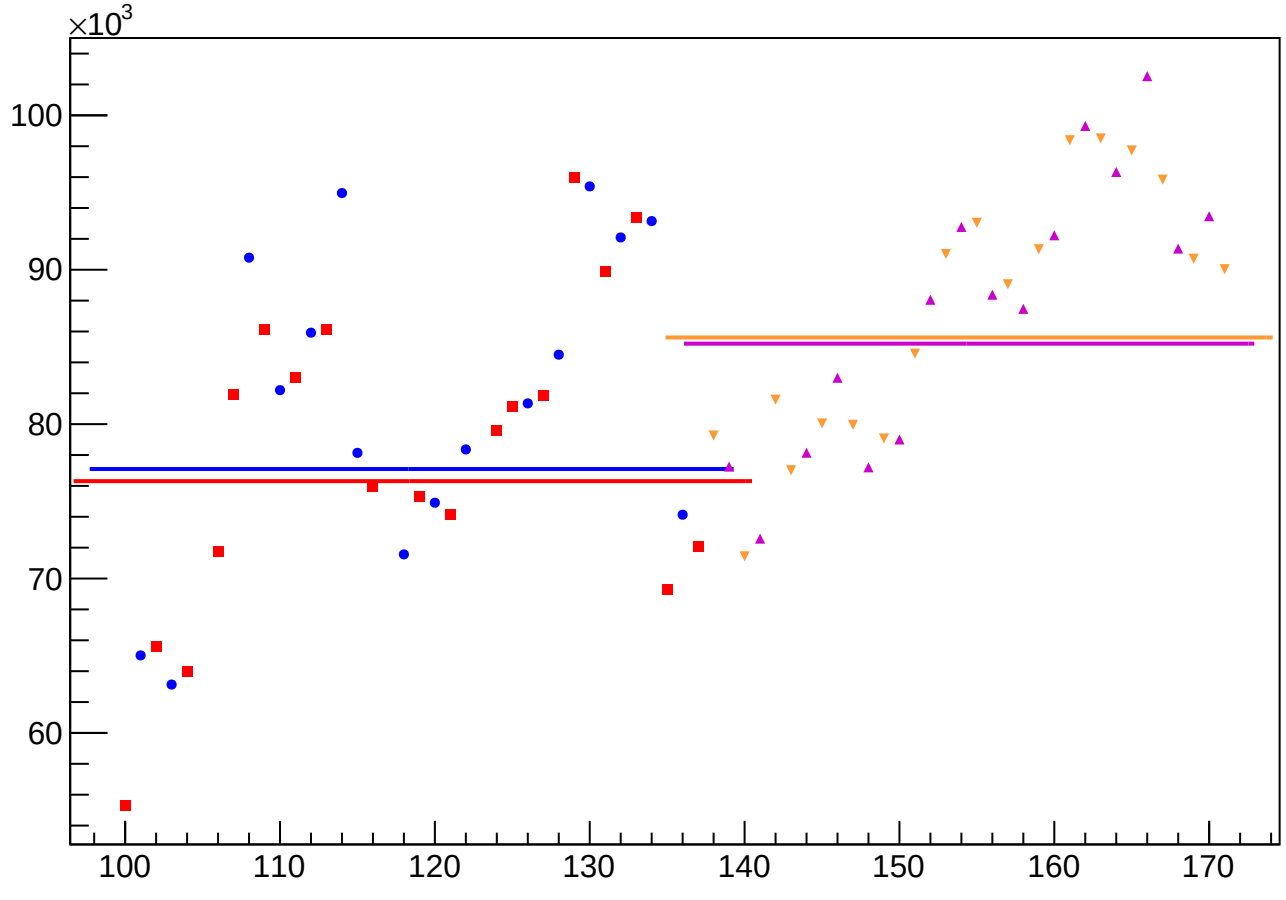
Left: -0.725+/-16.392 χ^2/NDF: 44.8/33

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 27.145+/-18.272 χ^2/NDF:37.6/31

Out: 8.885+/-17.710 χ^2/NDF:36.3/36

All: 17.729+/-12.717 χ^2/NDF: 74.4/68



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: 85213.872+/-16.670 χ^2/NDF:244497.3/15

Left: 85419.934+/-11.591 χ^2/NDF: 499284.9/33

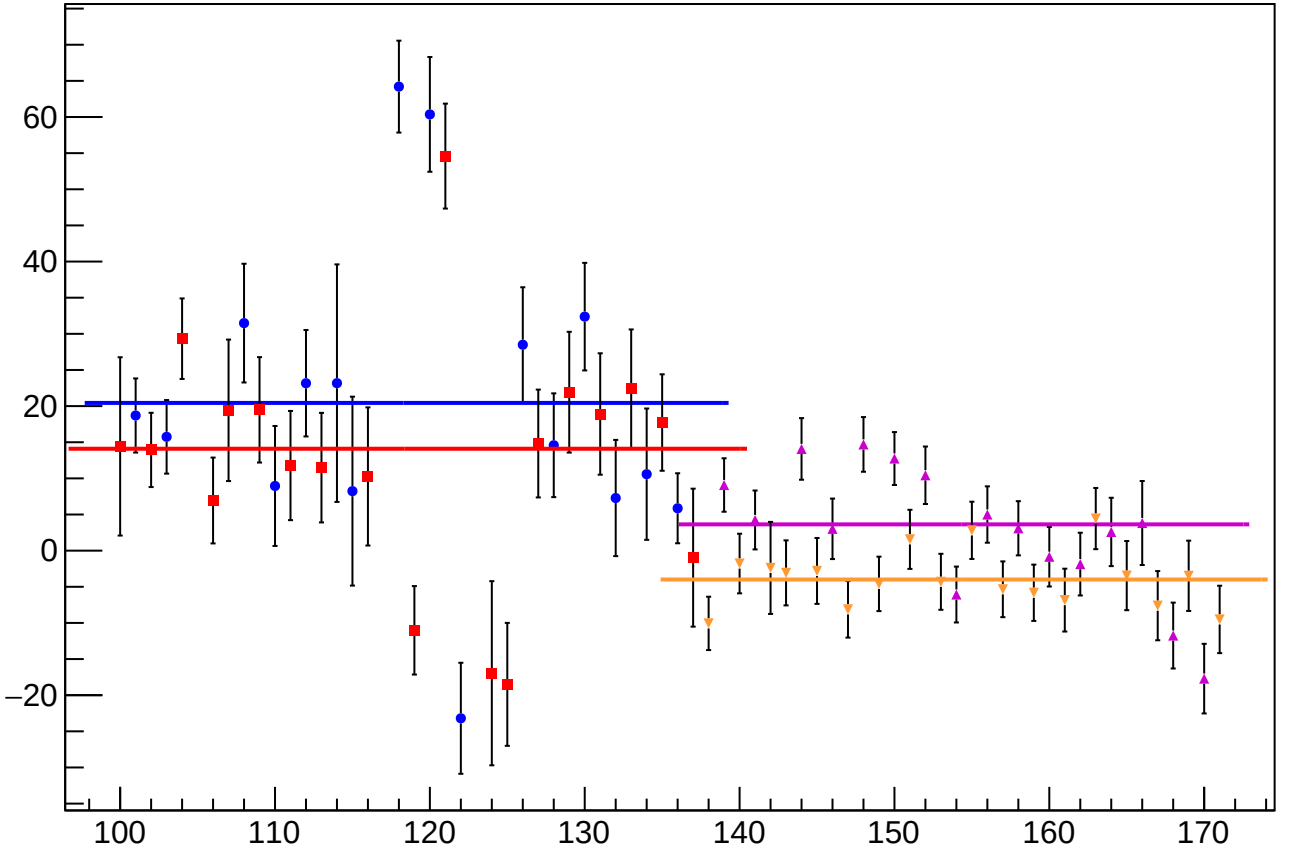
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 81971.547+/-12.920 χ^2/NDF:587790.4/31

Out: 81918.606+/-12.523 χ^2/NDF:621076.9/36

All: 81944.249+/-8.992 χ^2/NDF: 1208876.0/6

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: 3.638+/-1.034 χ^2/NDF:66.2/15

Left: -0.303+/-0.719 χ^2/NDF: 110.1/33

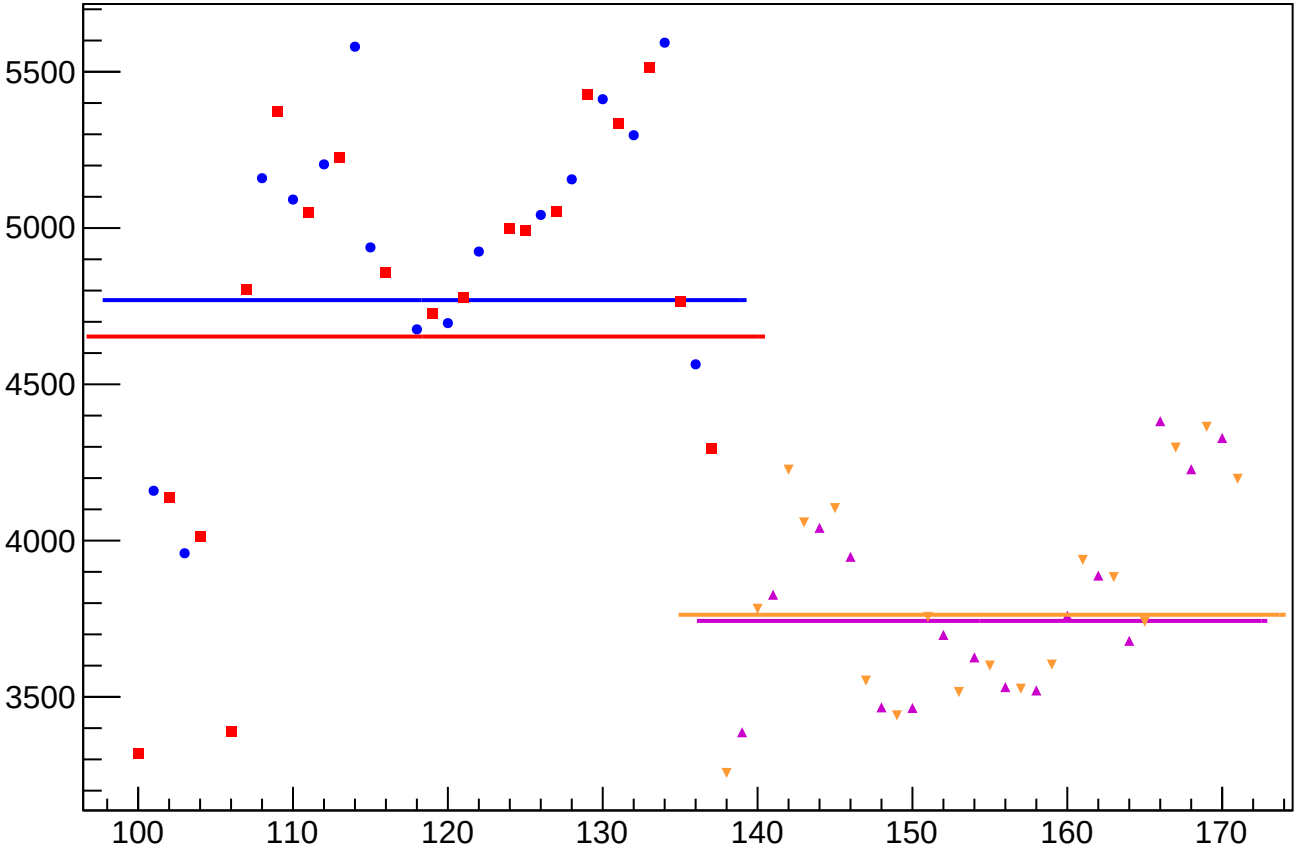
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 7.873+/-0.895 χ^2/NDF:260.5/31

Out: 0.610+/-0.864 χ^2/NDF:182.8/36

All: 4.117+/-0.622 χ^2/NDF: 477.4/68

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: 3743.054+/-0.731 χ^2/NDF:150233.7/15

Left: 3753.252+/-0.509 χ^2/NDF: 339403.1/33

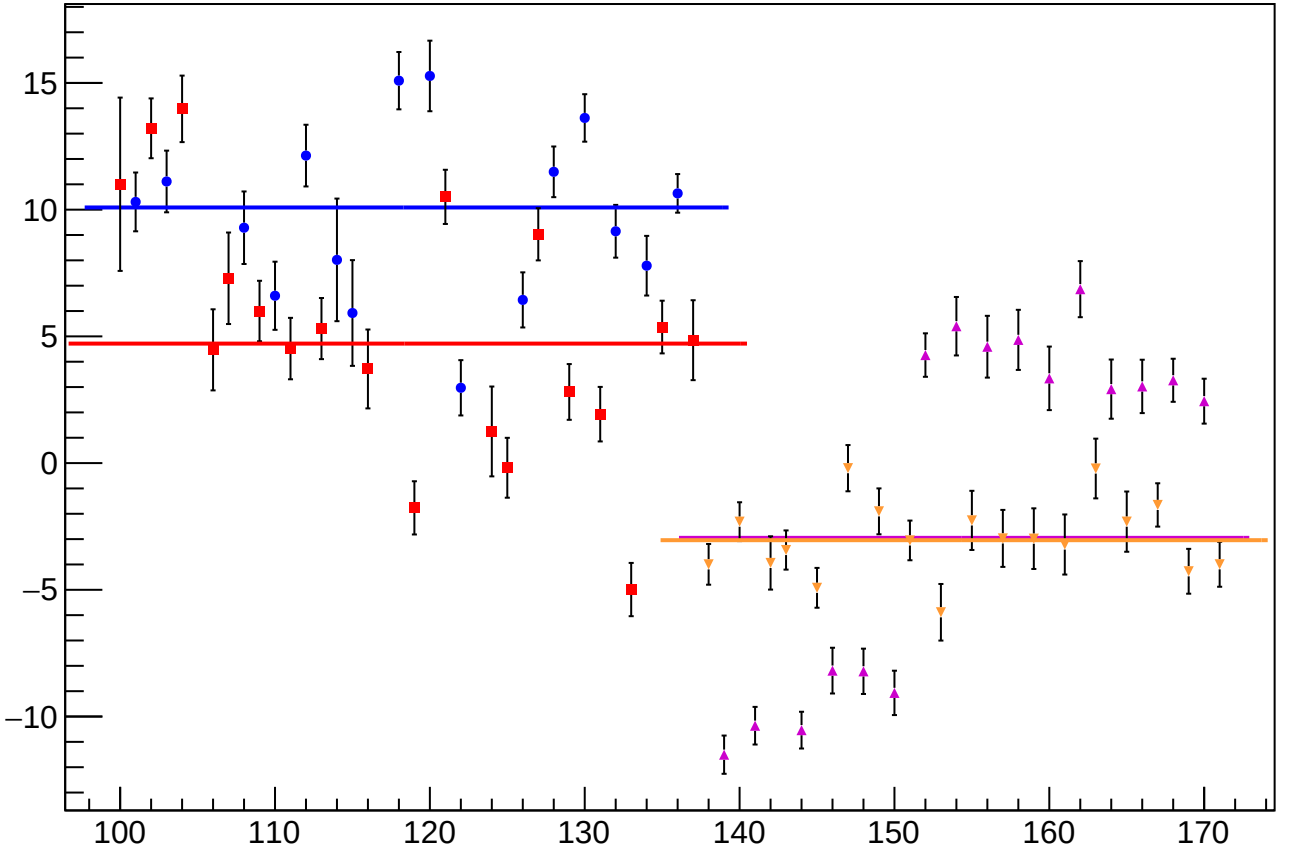
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4001.733+/-0.633 χ^2/NDF:798133.4/31

Out: 3989.291+/-0.611 χ^2/NDF:856255.3/36

All: 3995.298+/-0.440 χ^2/NDF: 1654588.8/68

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: -2.950+/-0.233 χ^2/NDF:911.5/15

Left: -2.998+/-0.160 χ^2/NDF: 950.7/33

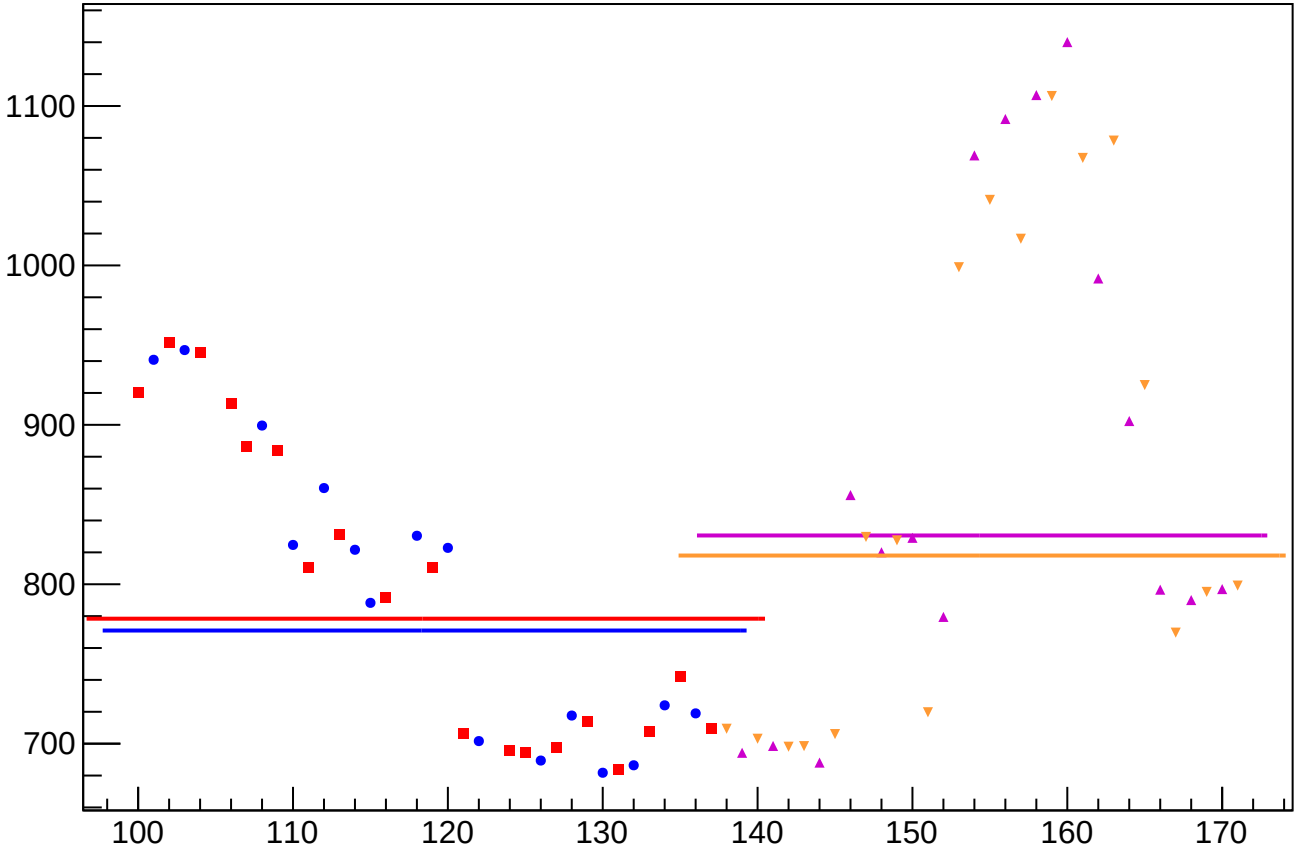
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.186+/-0.181 χ^2/NDF:2273.9/31

Out: -0.149+/-0.175 χ^2/NDF:811.4/36

All: 0.976+/-0.126 χ^2/NDF: 3171.5/68

diff_bpm2i01X_rms vs Slug, Sign Corrected



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: 830.598+/-0.164 χ^2/NDF:681901.7/15

Left: 823.968+/-0.113 χ^2/NDF: 1428177.4/33

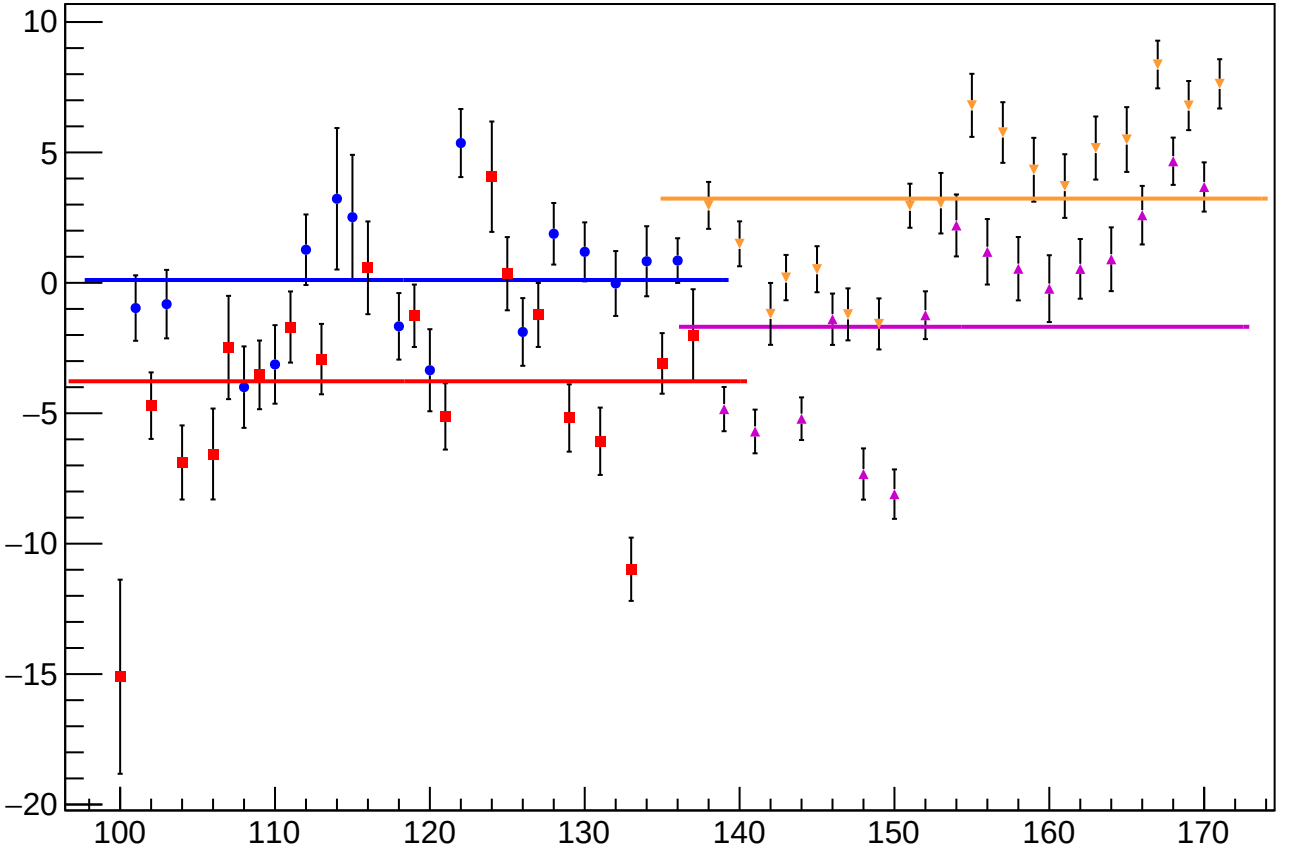
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 807.106+/-0.128 χ^2/NDF:926627.6/31

Out: 803.235+/-0.123 χ^2/NDF:963836.8/36

All: 805.100+/-0.089 χ^2/NDF: 1890938.5/68

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: -1.685+/-0.251 χ^2/NDF:259.3/15

Left: 0.901+/-0.173 χ^2/NDF: 632.8/33

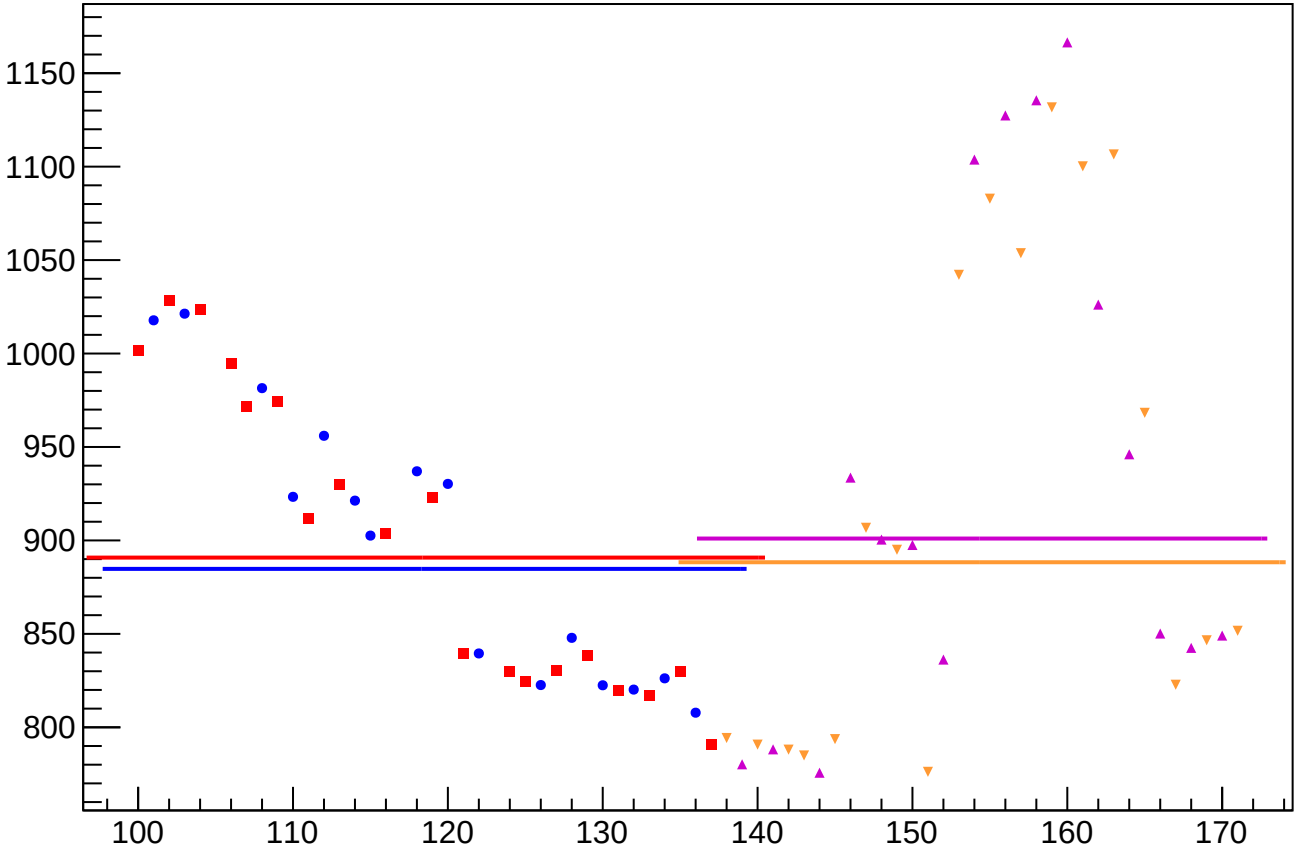
Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -1.027+/-0.200 χ^2/NDF:323.4/31

Out: 0.794+/-0.192 χ^2/NDF:572.1/36

All: -0.082+/-0.139 χ^2/NDF: 938.6/68

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: 901.006+/-0.177 χ^2/NDF:464855.9/15

Left: 894.333+/-0.122 χ^2/NDF: 974178.5/33

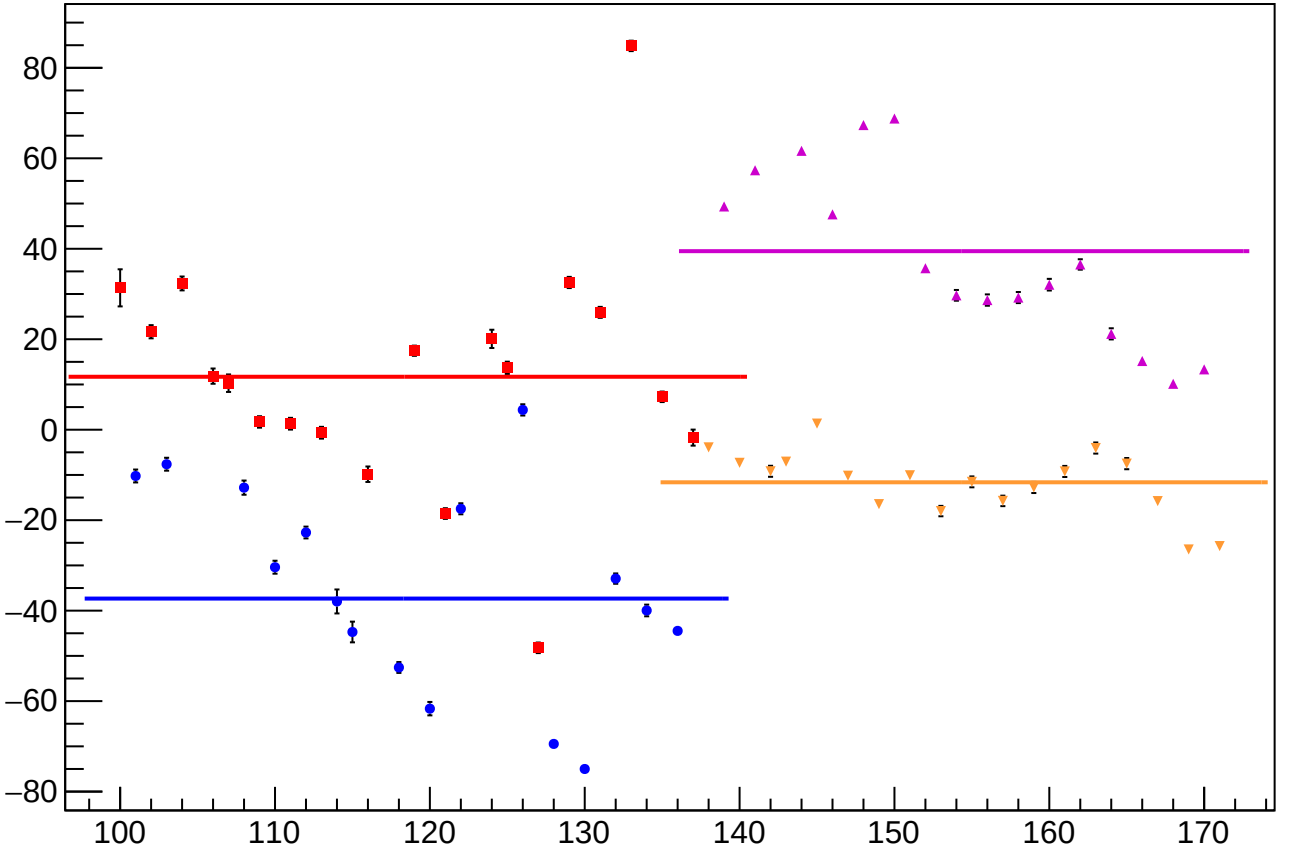
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 895.057+/-0.141 χ^2/NDF:572417.7/31

Out: 889.191+/-0.136 χ^2/NDF:614474.3/36

All: 892.013+/-0.098 χ^2/NDF: 1187787.2/68

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: 39.471+/-0.255 χ^2/NDF:5653.8/15

Left: 12.472+/-0.175 χ^2/NDF: 27889.5/33

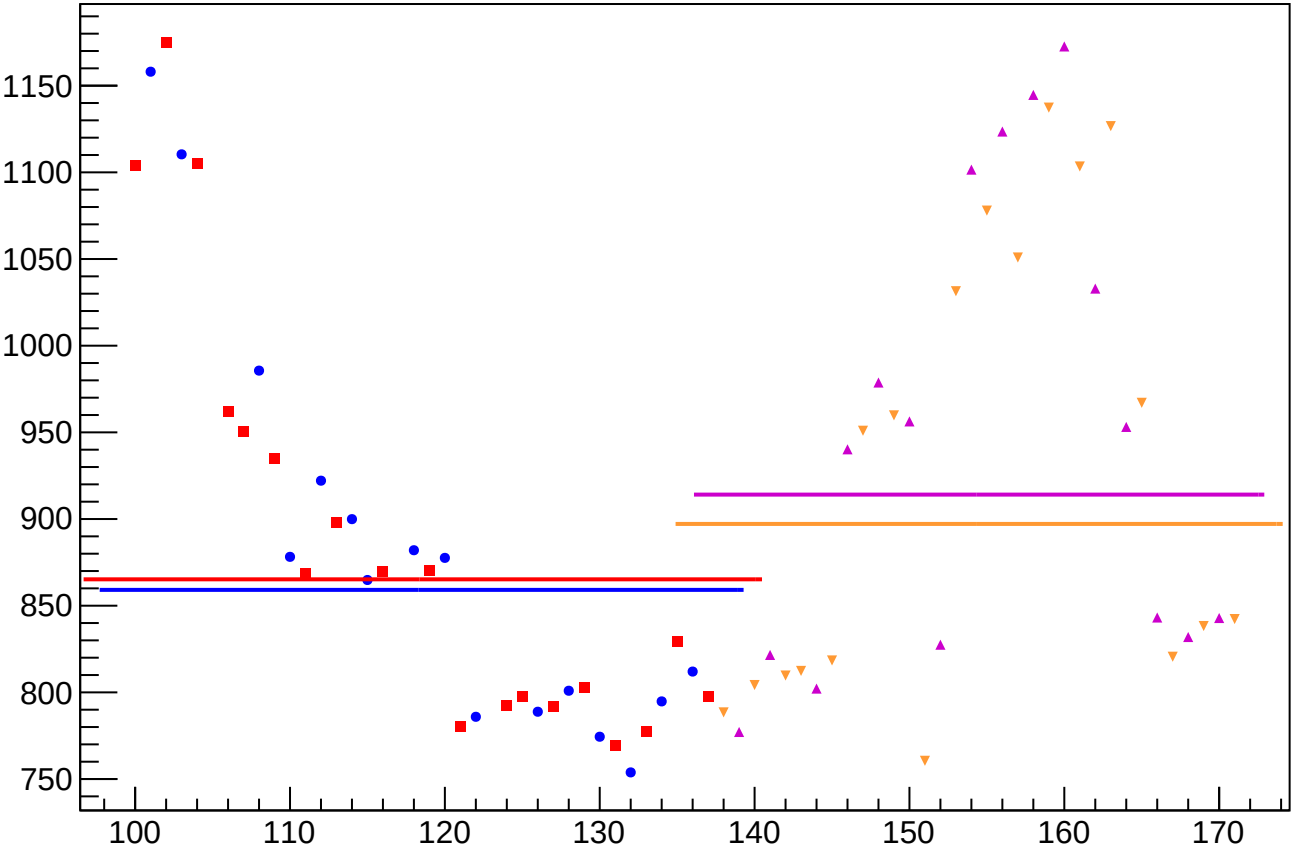
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.893+/-0.200 χ^2/NDF:45875.4/31

Out: -3.130+/-0.192 χ^2/NDF:12846.6/36

All: 3.121+/-0.138 χ^2/NDF: 60934.5/68

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: 914.089+/-0.180 χ^2/NDF:457408.2/15

Left: 905.150+/-0.124 χ^2/NDF: 969409.4/33

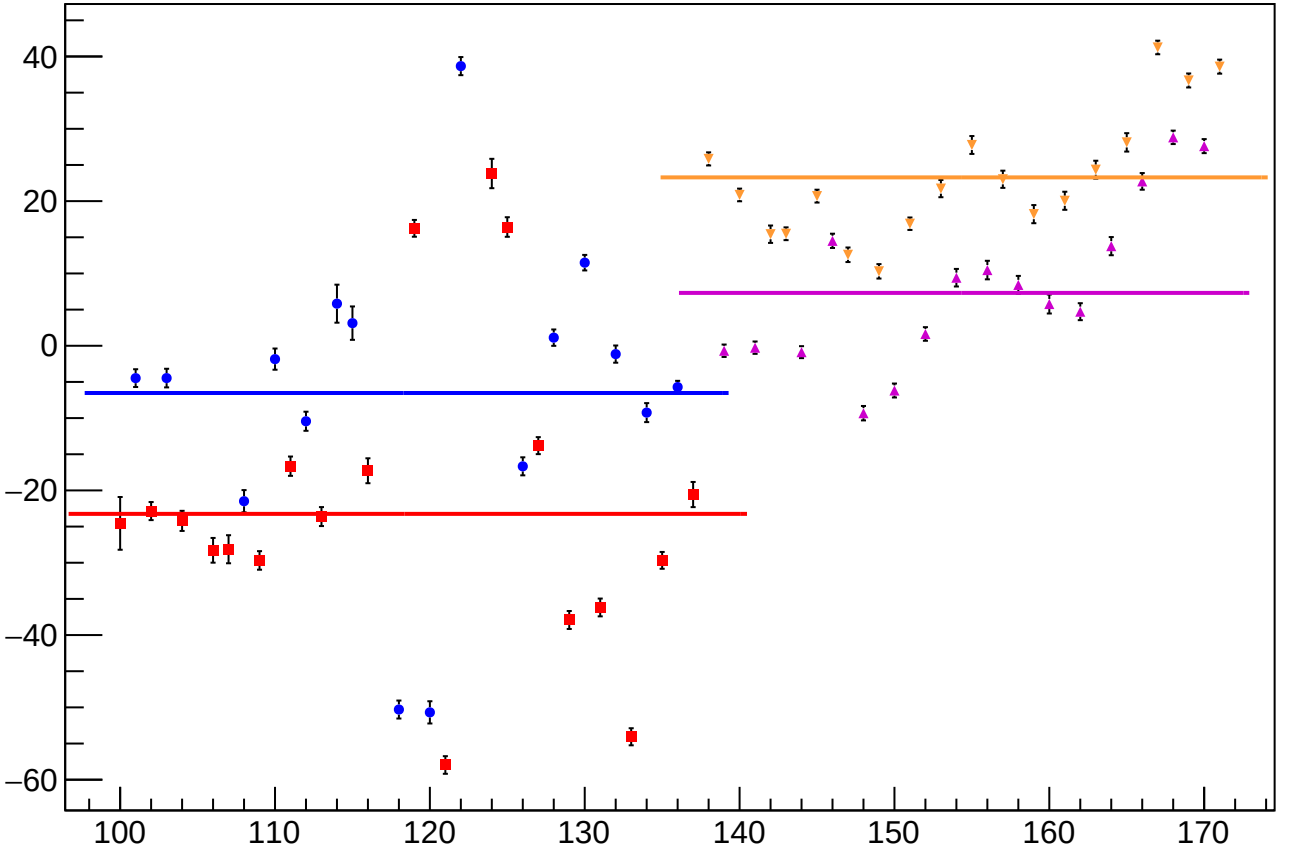
Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

In: 892.921+/-0.141 χ^2/NDF:722007.3/31

Out: 885.536+/-0.136 χ^2/NDF:743857.8/36

All: 889.081+/-0.098 χ^2/NDF: 1467288.1/68

diff_bpm2i02Y_mean vs Slug, Sign Corrected



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: 7.310+/-0.256 χ^2/NDF:2020.6/15

Left: 15.717+/-0.176 χ^2/NDF: 5411.4/33

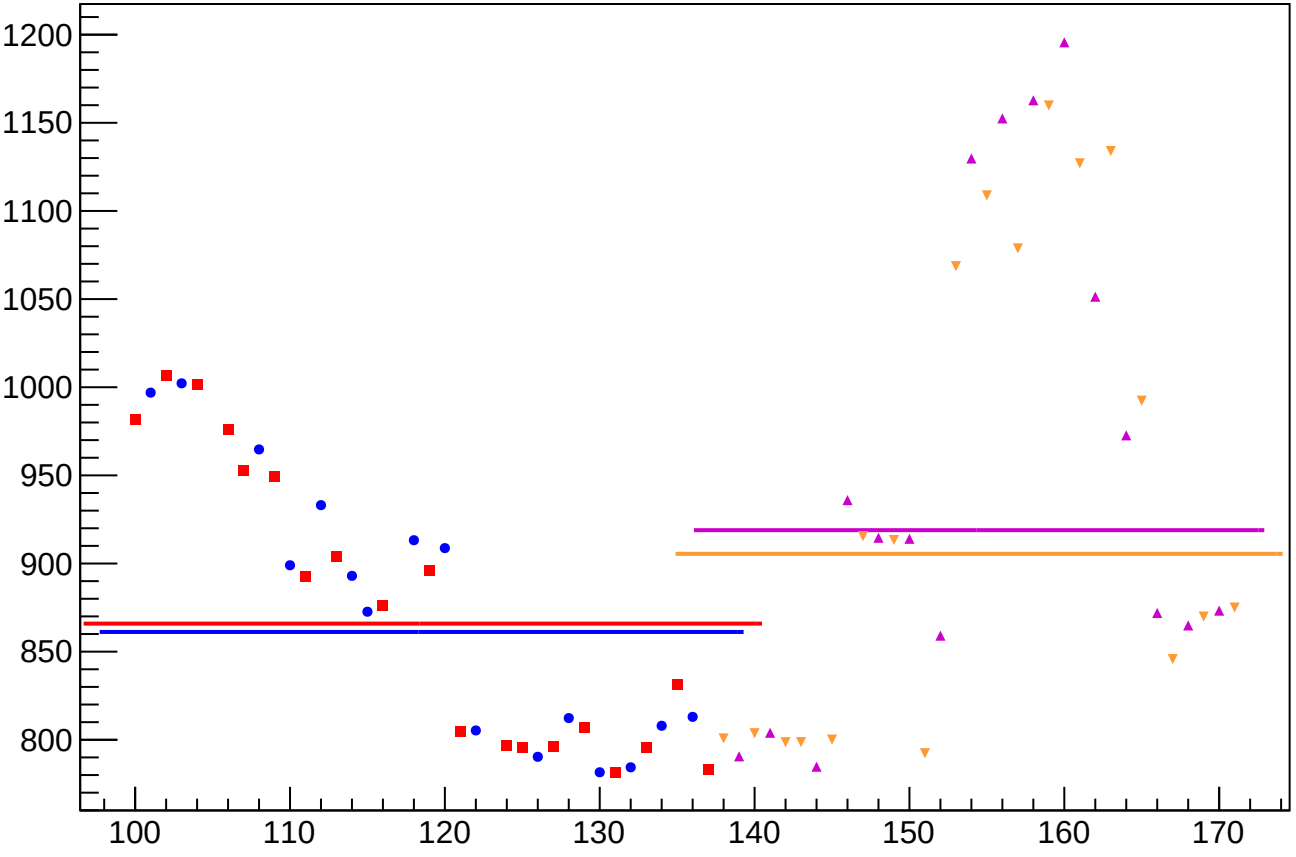
Right: -14.995+/-0.226 χ^2/NDF: 9787.9/34

In: 1.935+/-0.200 χ^2/NDF:7102.1/31

Out: 6.081+/-0.193 χ^2/NDF:19386.5/36

All: 4.086+/-0.139 χ^2/NDF: 26711.1/68

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: 918.915+/-0.181 χ^2/NDF:478048.1/15

Left: 911.850+/-0.125 χ^2/NDF: 1011742.7/33

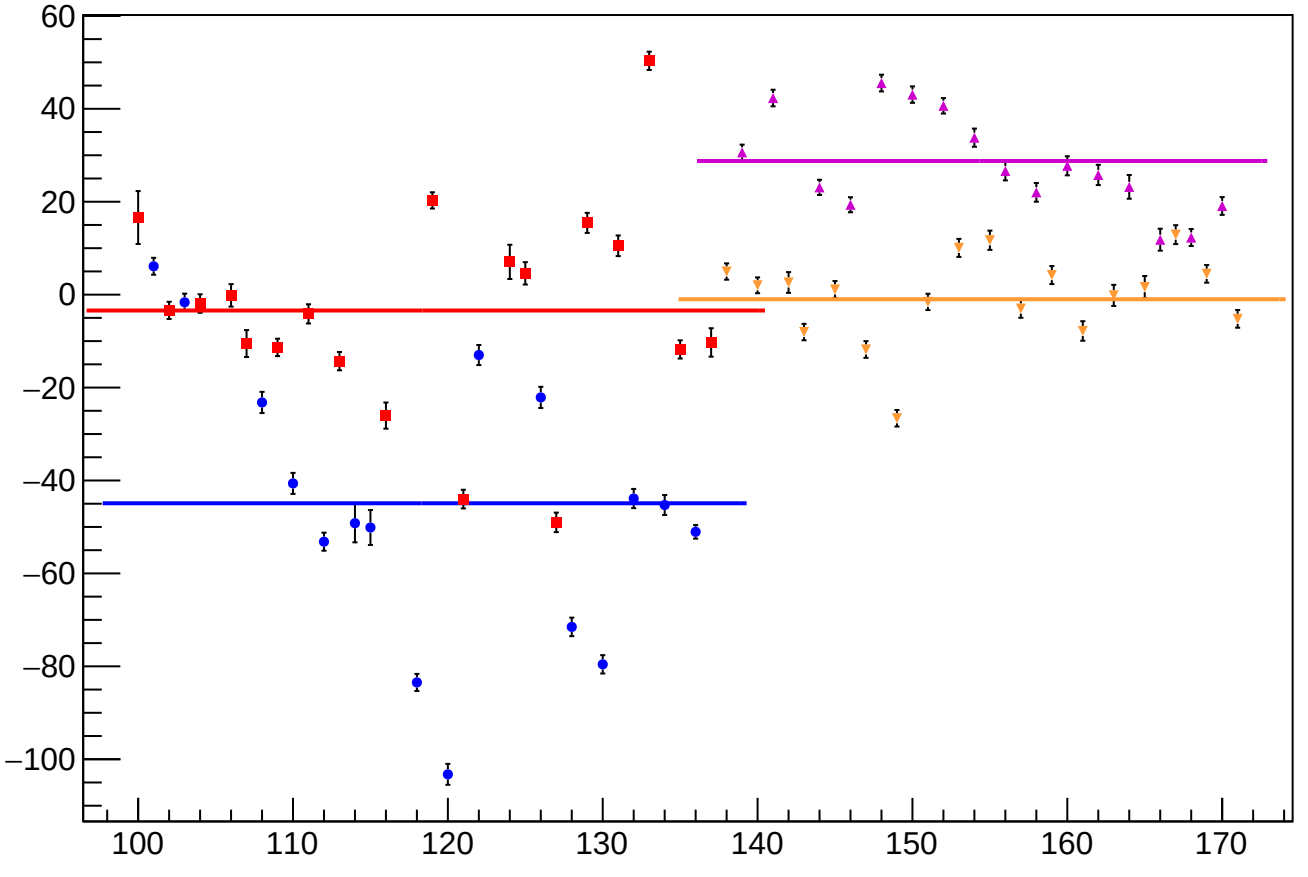
Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.487+/-0.142 χ^2/NDF:631115.7/31

Out: 890.857+/-0.136 χ^2/NDF:668872.4/36

All: 893.566+/-0.098 χ^2/NDF: 1300809.0/68

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: 28.775+/-0.470 χ^2/NDF:492.1/15

Left: 13.363+/-0.327 χ^2/NDF: 2996.0/33

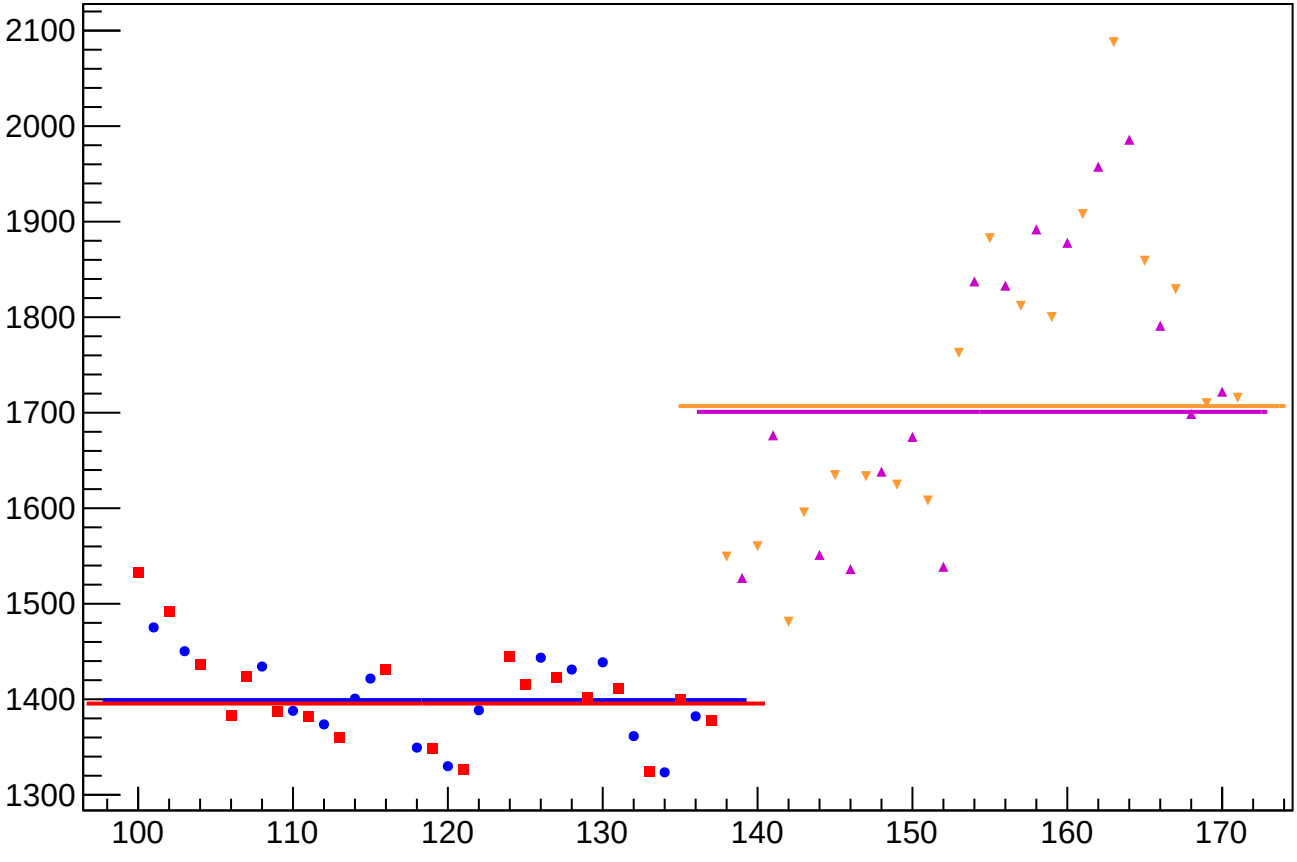
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -4.376+/-0.349 χ^2/NDF:14917.6/31

Out: -2.065+/-0.339 χ^2/NDF:2543.5/36

All: -3.187+/-0.243 χ^2/NDF: 17483.8/68

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: 1700.871+/-0.332 χ^2/NDF:188296.0/15

Left: 1704.018+/-0.231 χ^2/NDF: 381167.2/33

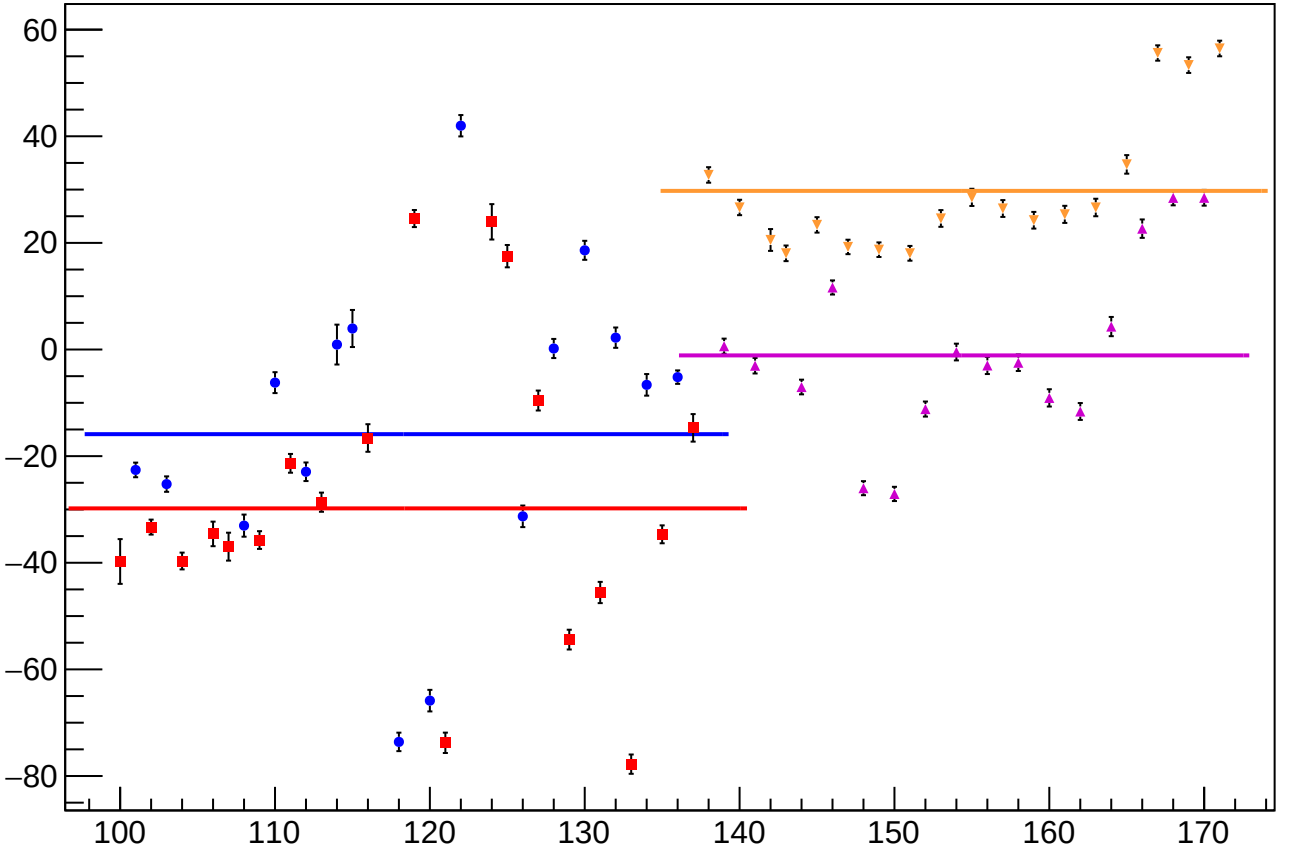
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1565.127+/-0.247 χ^2/NDF:573614.0/31

Out: 1569.094+/-0.240 χ^2/NDF:625878.3/36

All: 1567.168+/-0.172 χ^2/NDF: 1199625.4/68

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: -1.105+/-0.370 χ^2/NDF:2012.7/15

Left: 14.879+/-0.257 χ^2/NDF: 6878.7/33

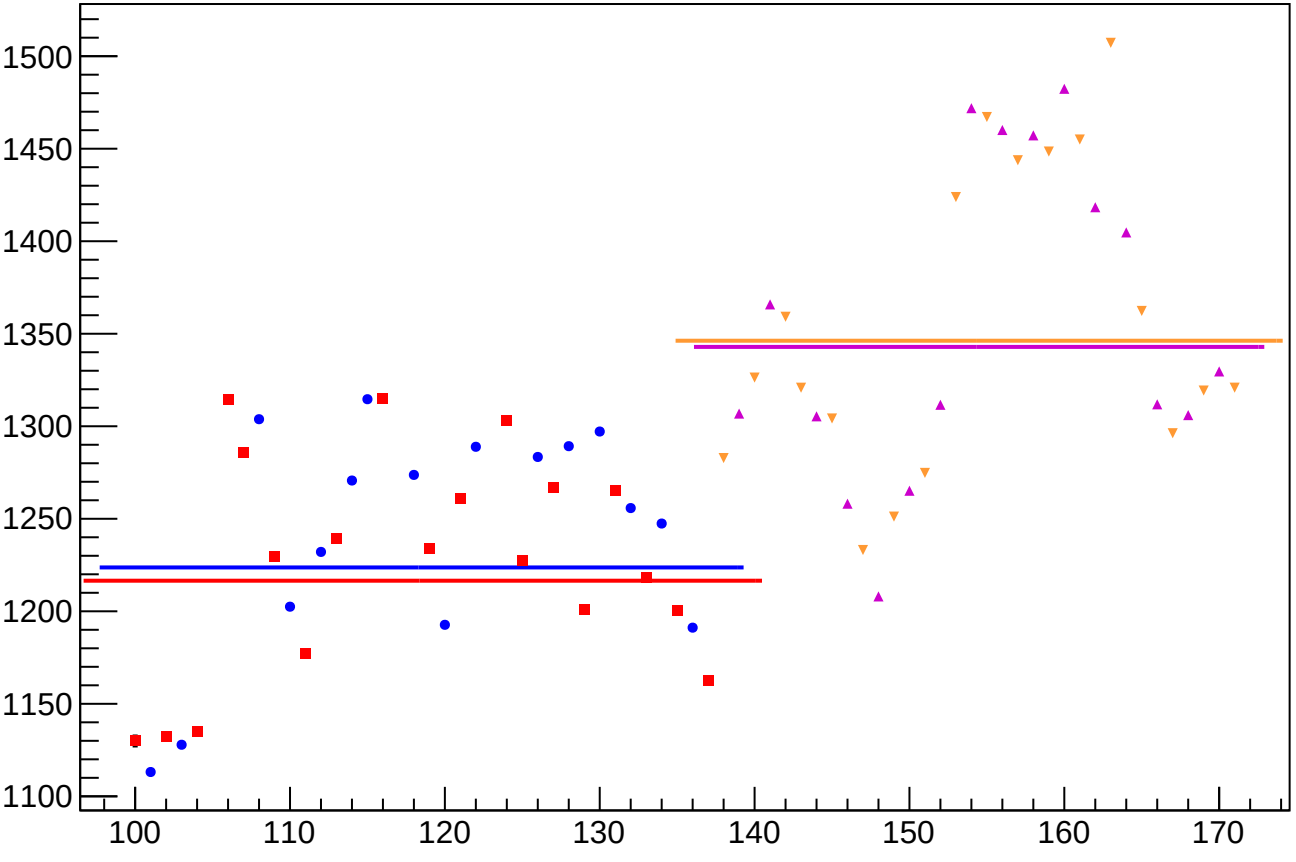
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -6.988+/-0.287 χ^2/NDF:6124.2/31

Out: 6.371+/-0.278 χ^2/NDF:15860.8/36

All: -0.100+/-0.200 χ^2/NDF: 23099.9/68

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: 1342.884+/-0.262 χ^2/NDF:98961.9/15

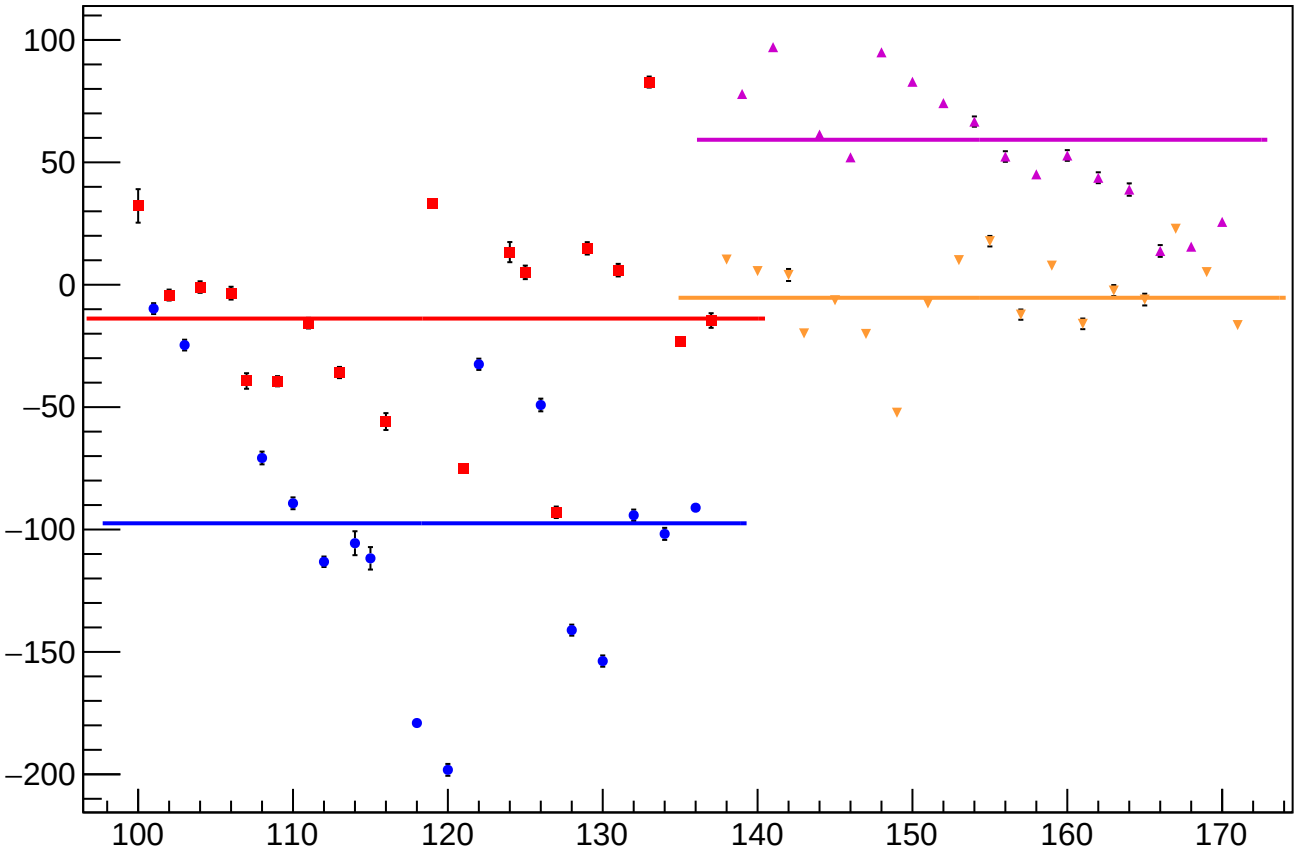
Left: 1344.617+/-0.182 χ^2/NDF: 199039.9/33

Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1295.421+/-0.203 χ^2/NDF:222334.2/31

Out: 1295.303+/-0.197 χ^2/NDF:232854.0/36

All: 1295.360+/-0.141 χ^2/NDF: 455188.4/68



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: 59.228+/-0.485 χ^2/NDF:2601.0/15

Left: 25.676+/-0.336 χ^2/NDF: 13265.8/33

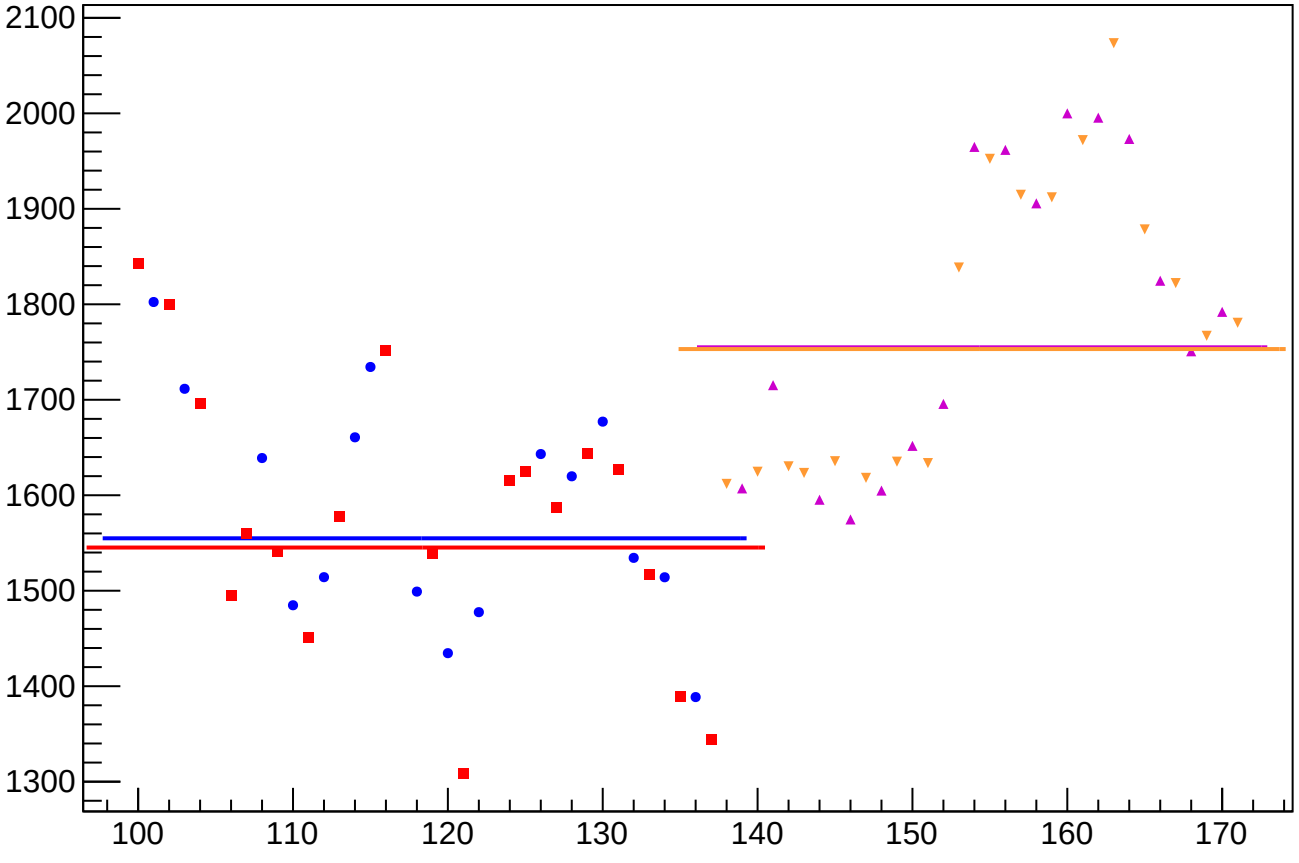
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -5.315+/-0.372 χ^2/NDF:53902.4/31

Out: -8.758+/-0.360 χ^2/NDF:6942.0/36

All: -7.094+/-0.259 χ^2/NDF: 60888.7/68

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: 1754.965+/-0.343 χ^2/NDF:195557.9/15

Left: 1754.008+/-0.238 χ^2/NDF: 384278.4/33

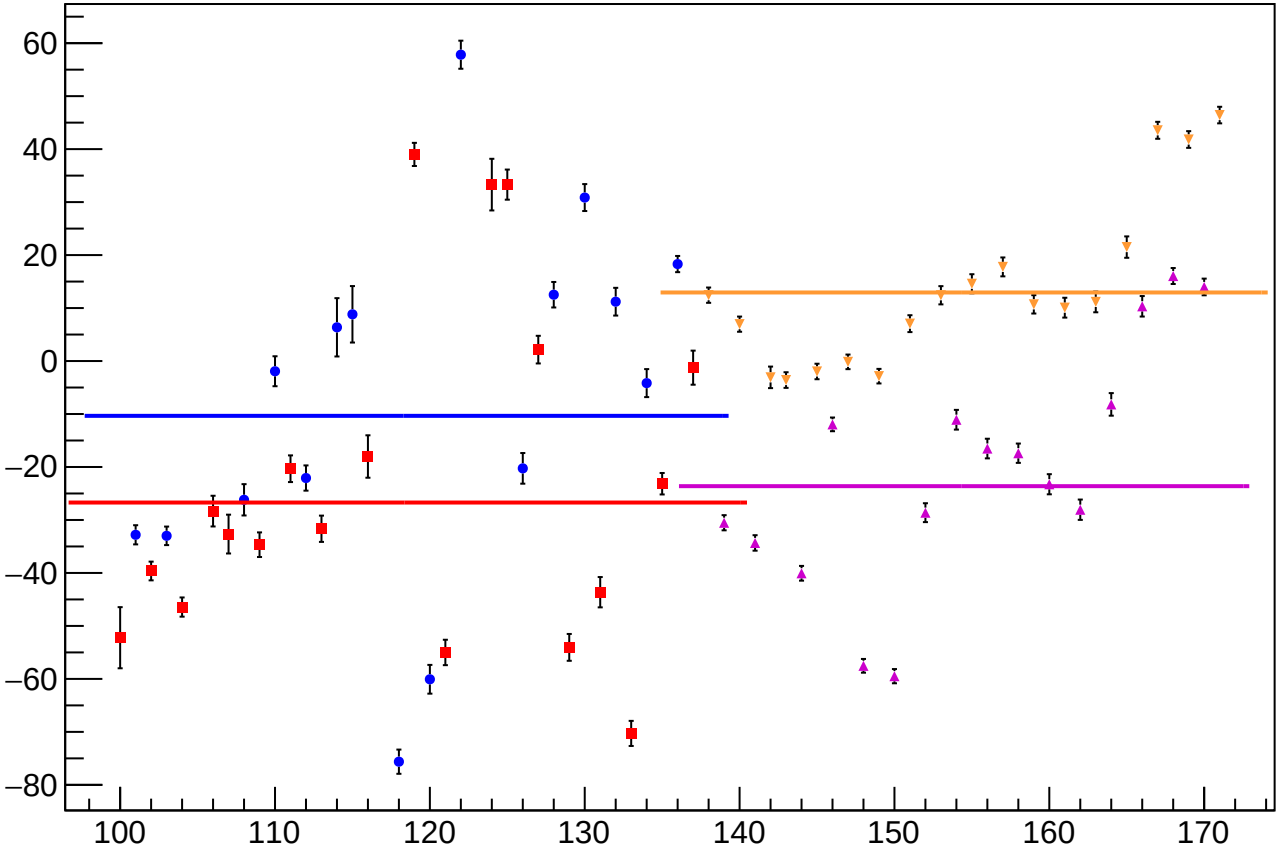
Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

In: 1672.555+/-0.263 χ^2/NDF:423686.6/31

Out: 1669.050+/-0.254 χ^2/NDF:458368.4/36

All: 1670.744+/-0.183 χ^2/NDF: 882146.9/68

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: -23.619+/-0.399 χ^2/NDF:3402.8/15

Left: -4.533+/-0.276 χ^2/NDF: 9528.7/33

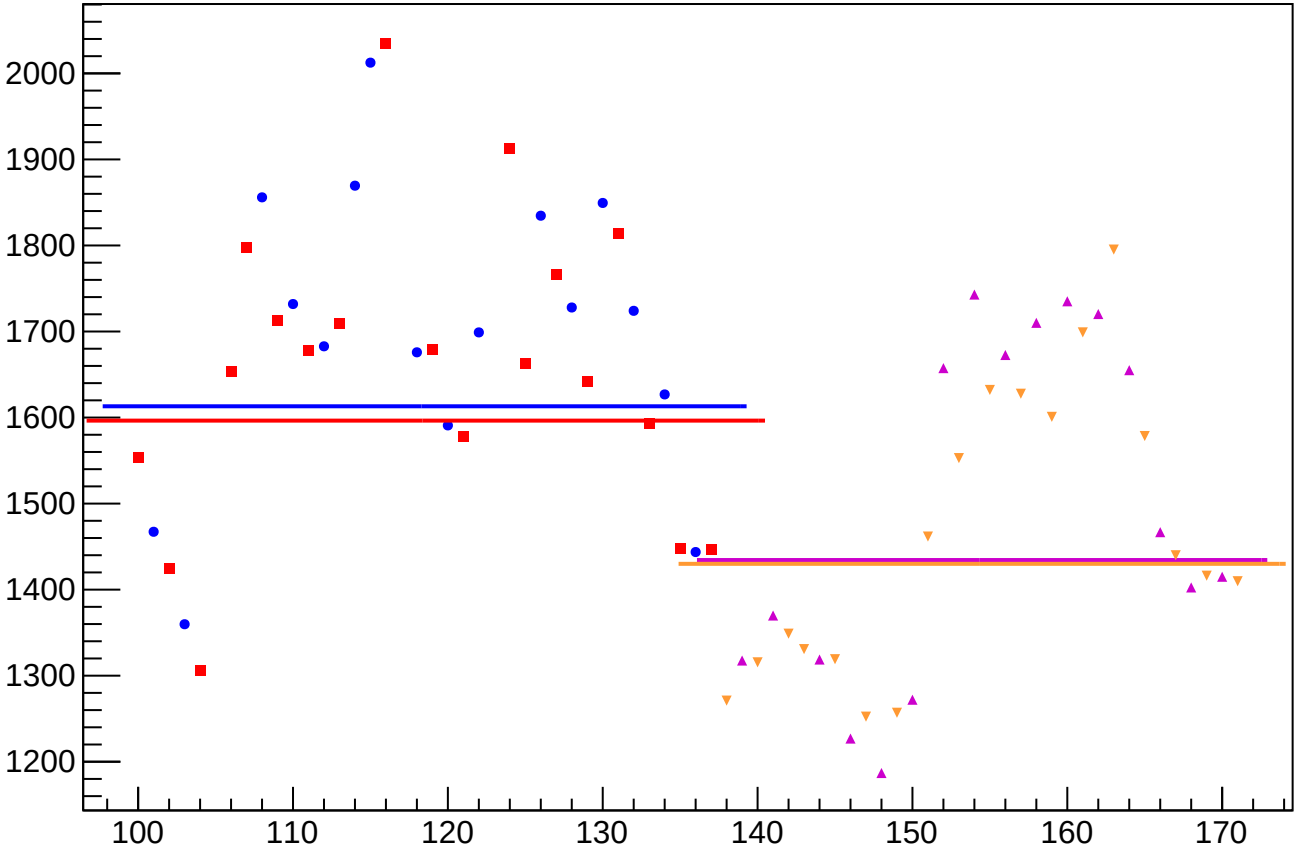
Right: -18.758+/-0.420 χ^2/NDF: 5926.2/34

In: -19.583+/-0.333 χ^2/NDF:6746.8/31

Out: 1.150+/-0.320 χ^2/NDF:7489.2/36

All: -8.809+/-0.231 χ^2/NDF: 16255.5/68

diff_bpm0i02aY_rms vs Slug, Sign Corrected



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: 1434.404+/-0.282 χ^2/NDF:467247.9/15

Left: 1432.096+/-0.195 χ^2/NDF: 795634.4/33

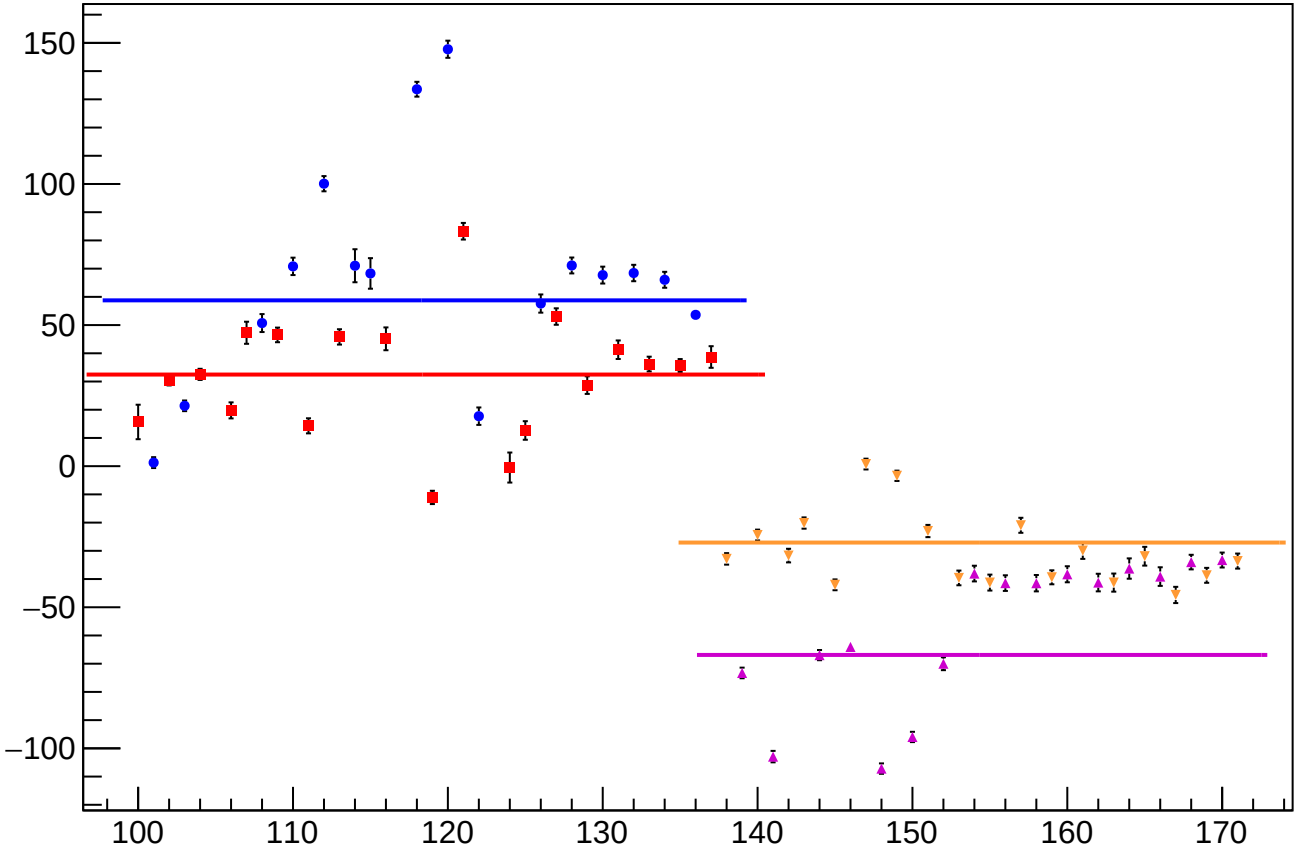
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1488.737+/-0.235 χ^2/NDF:744129.7/31

Out: 1479.484+/-0.226 χ^2/NDF:602223.8/36

All: 1483.929+/-0.163 χ^2/NDF: 1347157.9/68

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: -66.896+/-0.577 χ^2/NDF:1967.8/15

Left: -46.133+/-0.399 χ^2/NDF: 5087.4/33

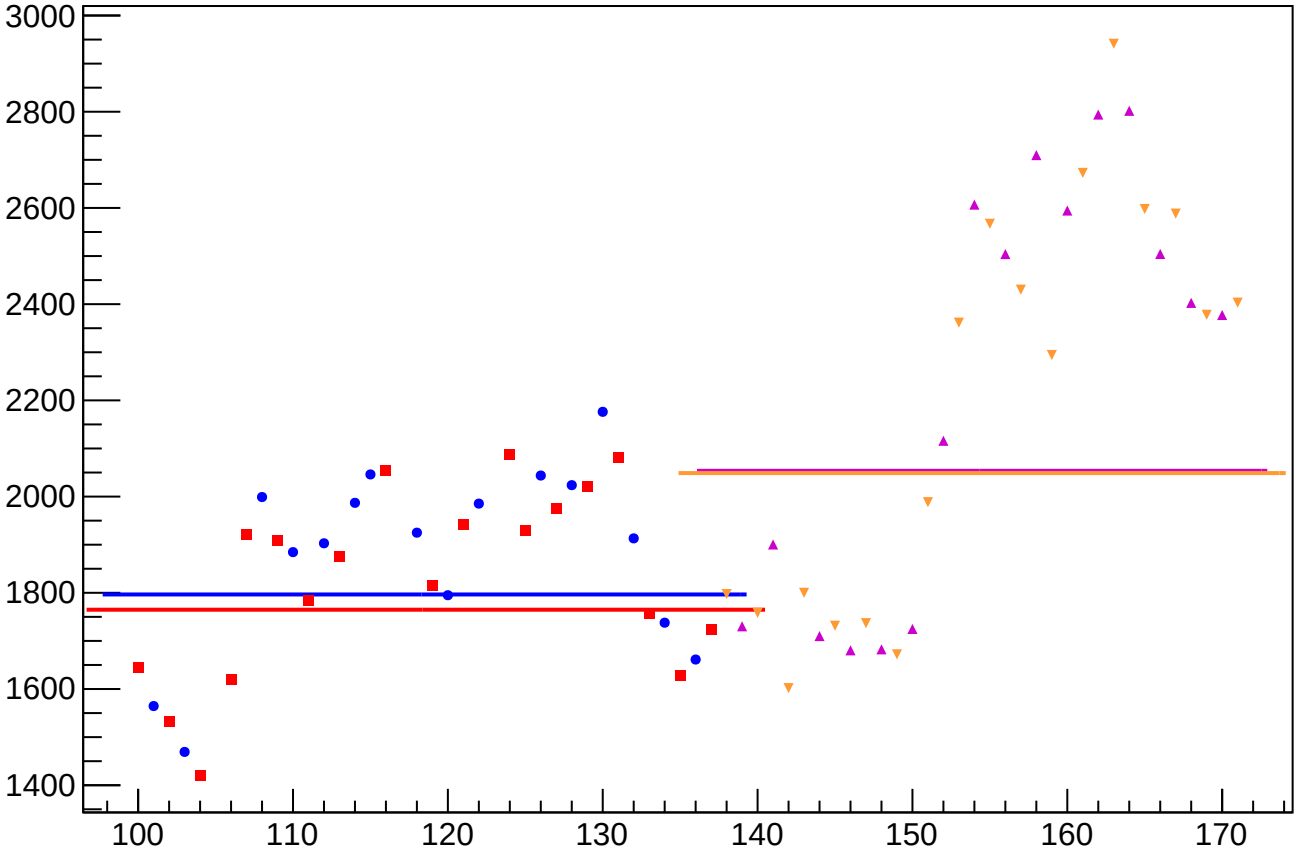
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -13.612+/-0.438 χ^2/NDF:25522.4/31

Out: -2.008+/-0.421 χ^2/NDF:6448.0/36

All: -7.578+/-0.303 χ^2/NDF: 32335.6/68

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: 2053.539+/-0.408 χ^2/NDF:988876.9/15

Left: 2051.094+/-0.282 χ^2/NDF: 1950712.7/33

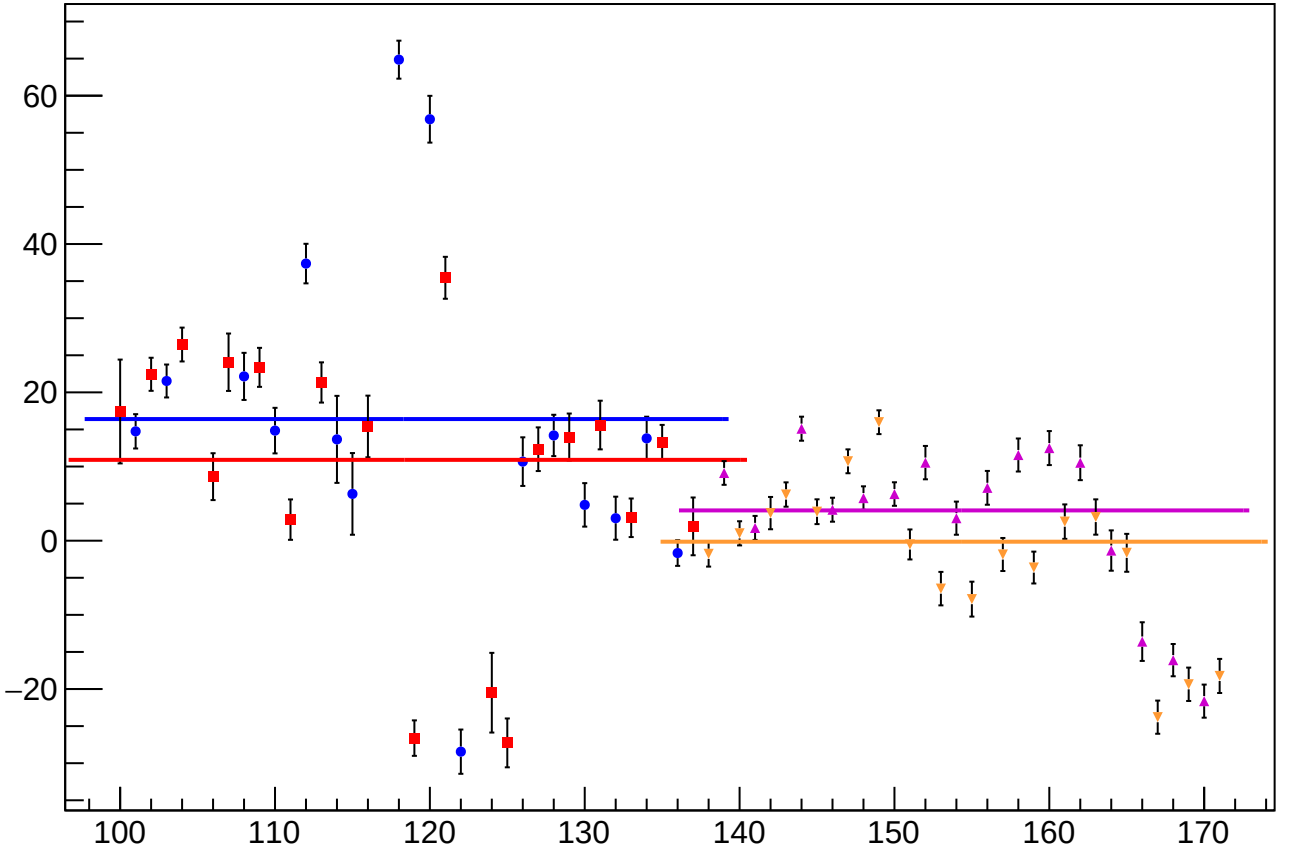
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1944.566+/-0.310 χ^2/NDF:1350281.2/31

Out: 1929.303+/-0.297 χ^2/NDF:1373885.0/36

All: 1936.629+/-0.215 χ^2/NDF: 2725429.7/68

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: 4.082+/-0.489 χ^2/NDF:372.7/15

Left: 1.882+/-0.338 χ^2/NDF: 855.6/33

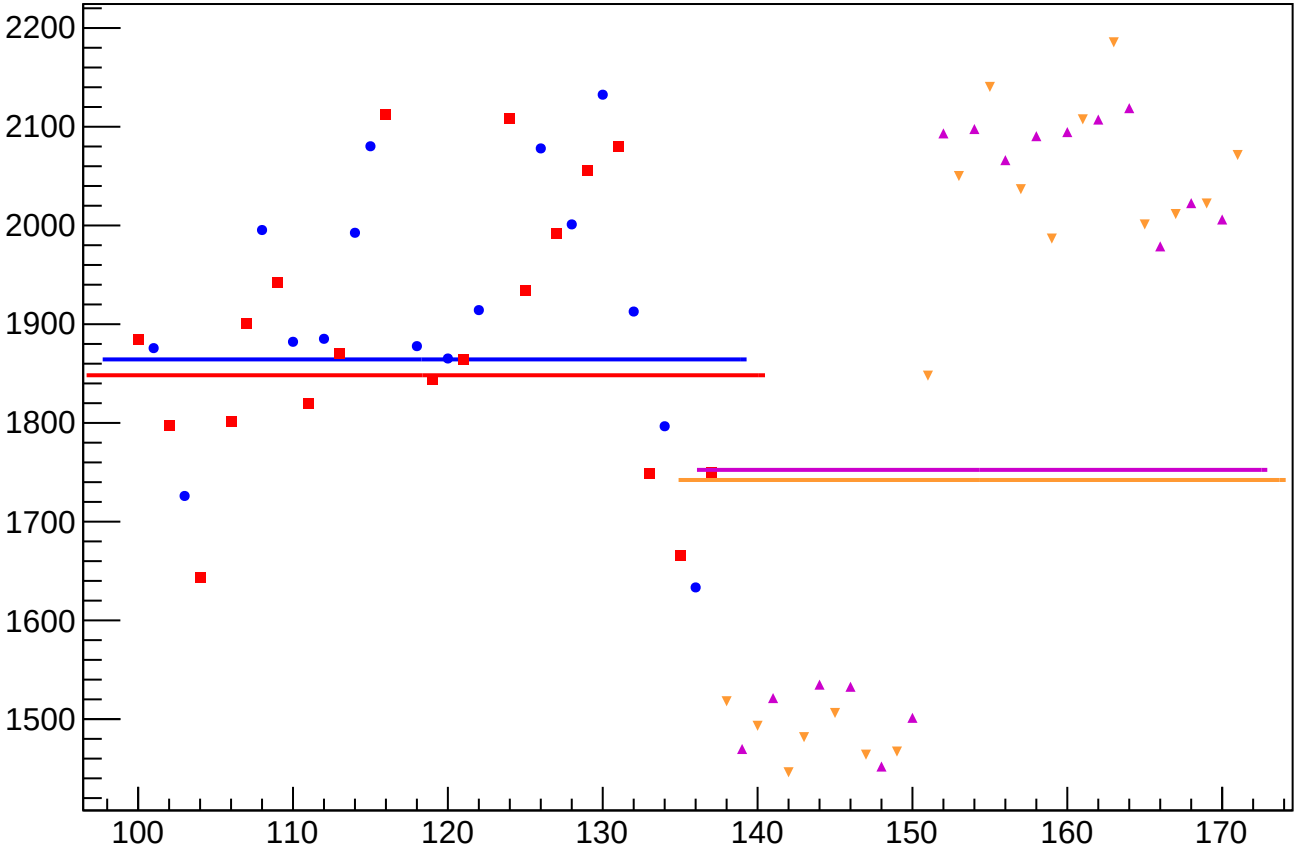
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 8.156+/-0.400 χ^2/NDF:1555.9/31

Out: 3.435+/-0.385 χ^2/NDF:1265.8/36

All: 5.706+/-0.277 χ^2/NDF: 2894.2/68

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: 1752.448+/-0.345 χ^2/NDF:674088.7/15

Left: 1747.107+/-0.239 χ^2/NDF: 1402107.6/33

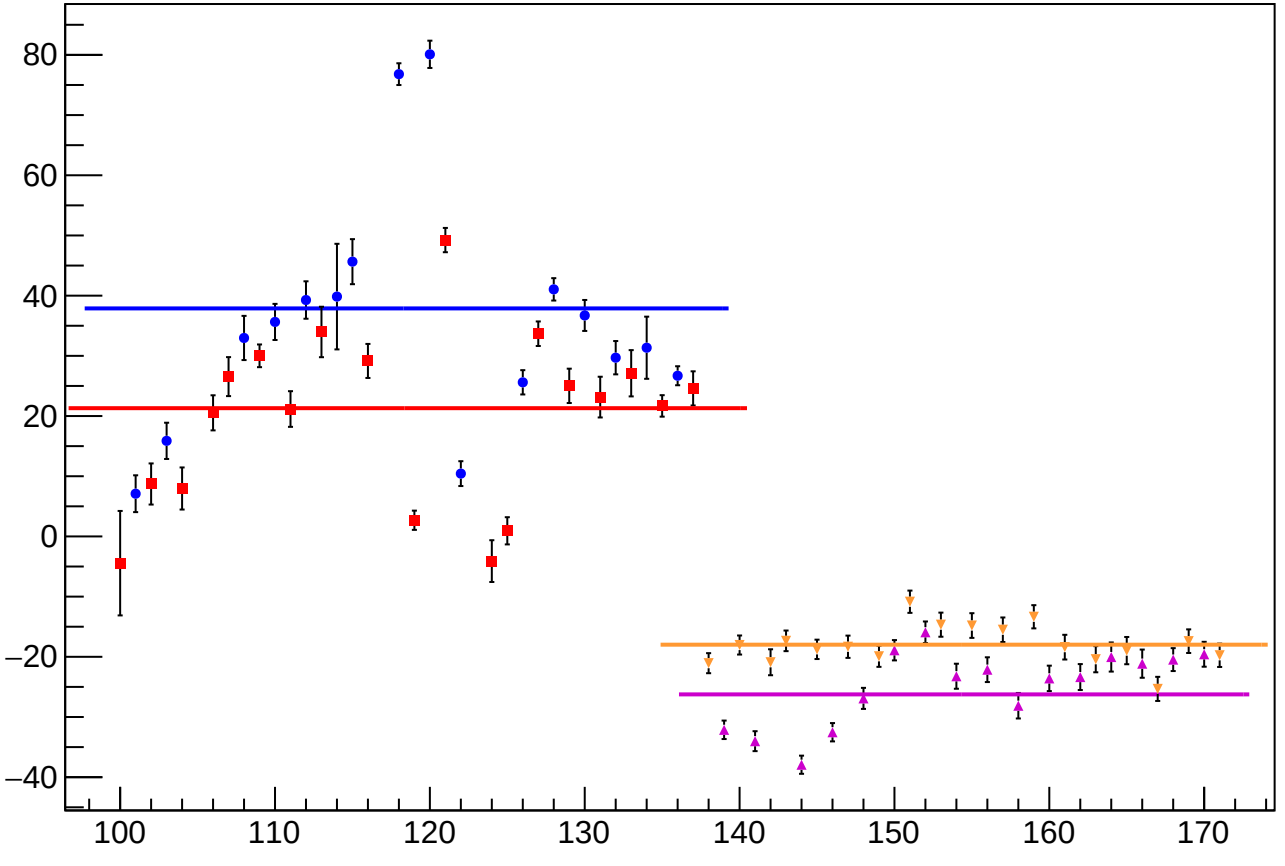
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1789.455+/-0.283 χ^2/NDF:792093.3/31

Out: 1776.535+/-0.272 χ^2/NDF:835801.2/36

All: 1782.748+/-0.196 χ^2/NDF: 1628979.3/68

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: -26.243+/-0.464 χ^2/NDF:207.4/15

Left: -21.951+/-0.322 χ^2/NDF: 422.0/33

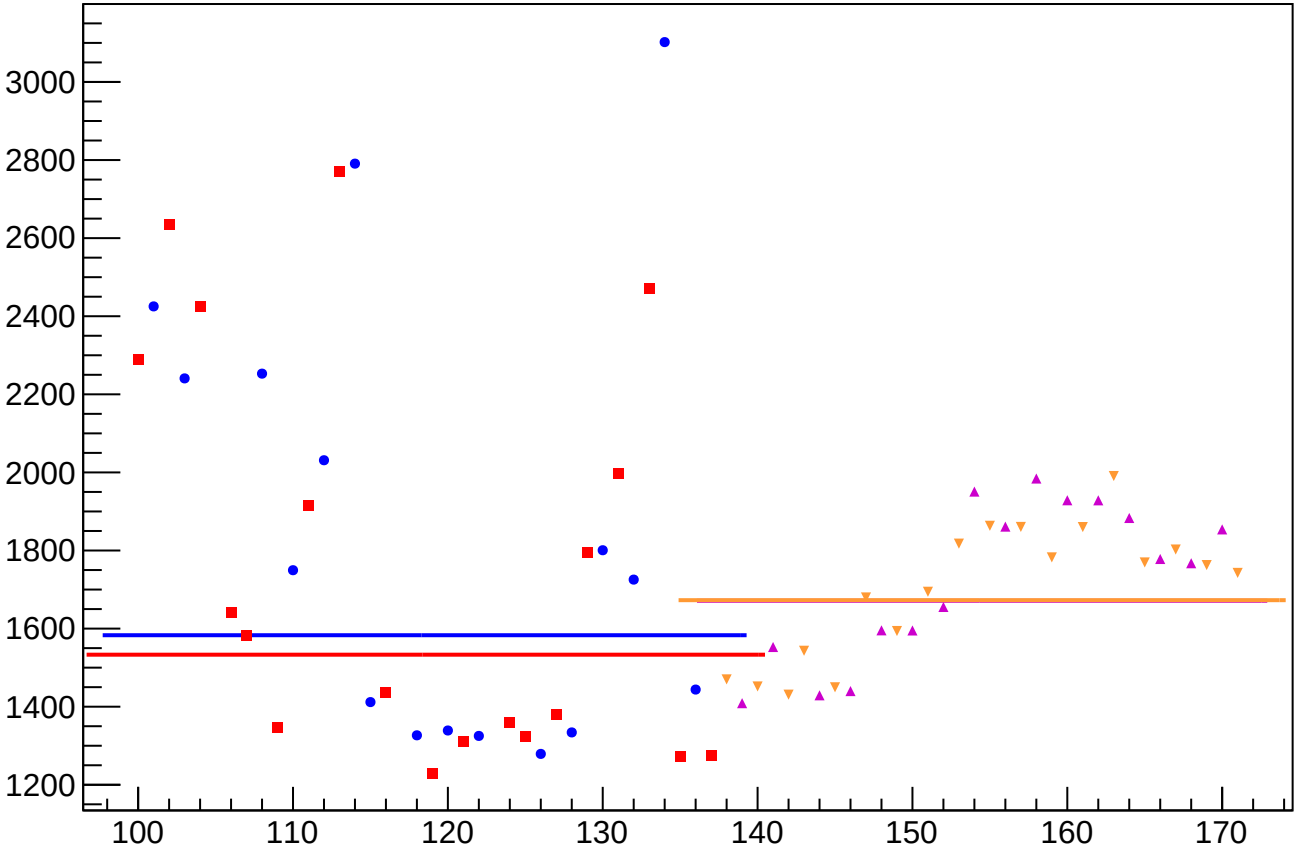
Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -3.335+/-0.372 χ^2/NDF:8280.3/31

Out: -3.787+/-0.356 χ^2/NDF:3437.0/36

All: -3.571+/-0.257 χ^2/NDF: 11718.0/68

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: 1671.237+/-0.328 χ^2/NDF:369789.4/15

Left: 1672.044+/-0.227 χ^2/NDF: 647330.2/33

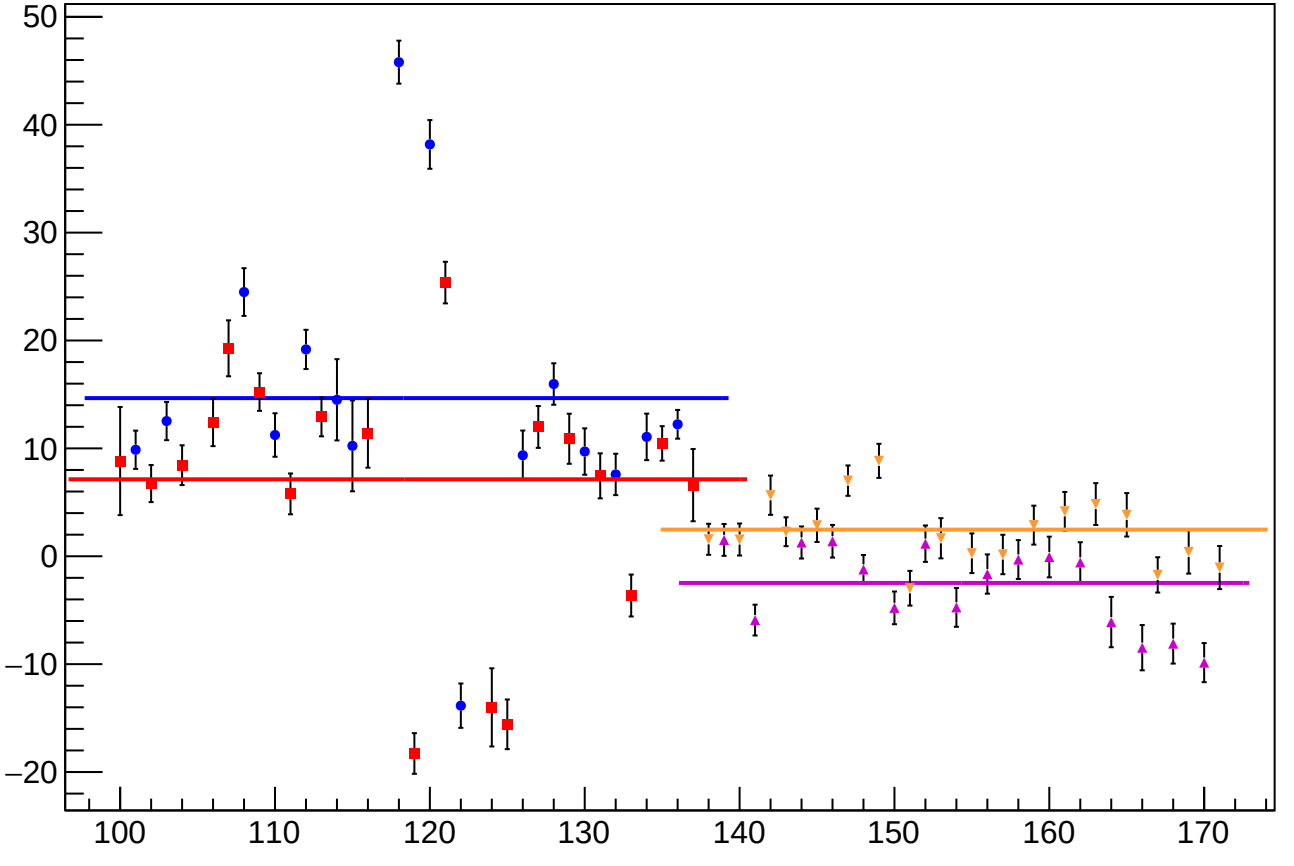
Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1639.731+/-0.263 χ^2/NDF:1183271.5/31

Out: 1622.346+/-0.252 χ^2/NDF:1299110.9/36

All: 1630.667+/-0.182 χ^2/NDF: 2484659.7/68

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: -2.472+/-0.420 χ^2/NDF:76.2/15

Left: 0.147+/-0.288 χ^2/NDF: 208.6/33

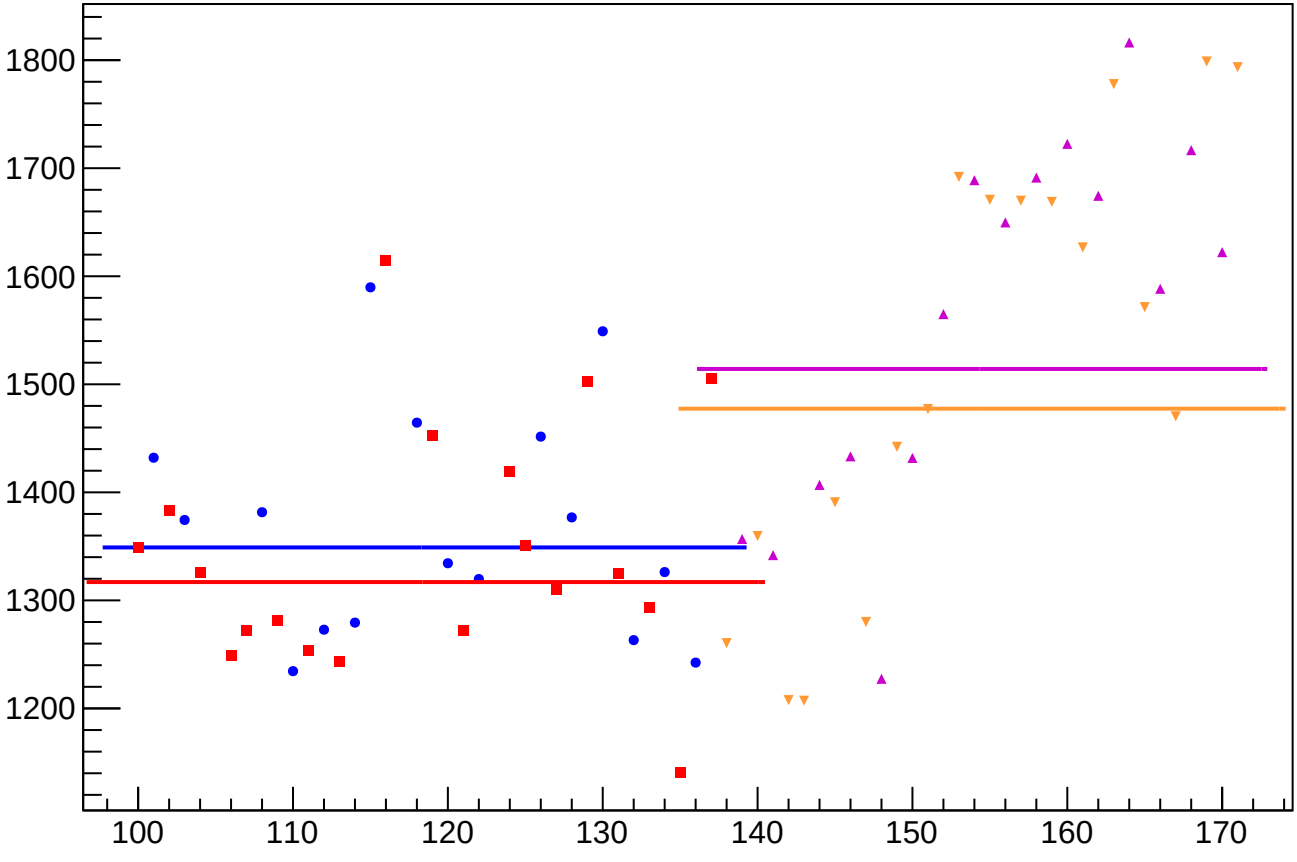
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 4.536+/-0.323 χ^2/NDF:1372.3/31

Out: 4.342+/-0.306 χ^2/NDF:624.1/36

All: 4.434+/-0.222 χ^2/NDF: 1996.5/68

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: 1514.203+/-0.297 χ^2/NDF:322664.9/15

Left: 1494.717+/-0.204 χ^2/NDF: 821943.0/33

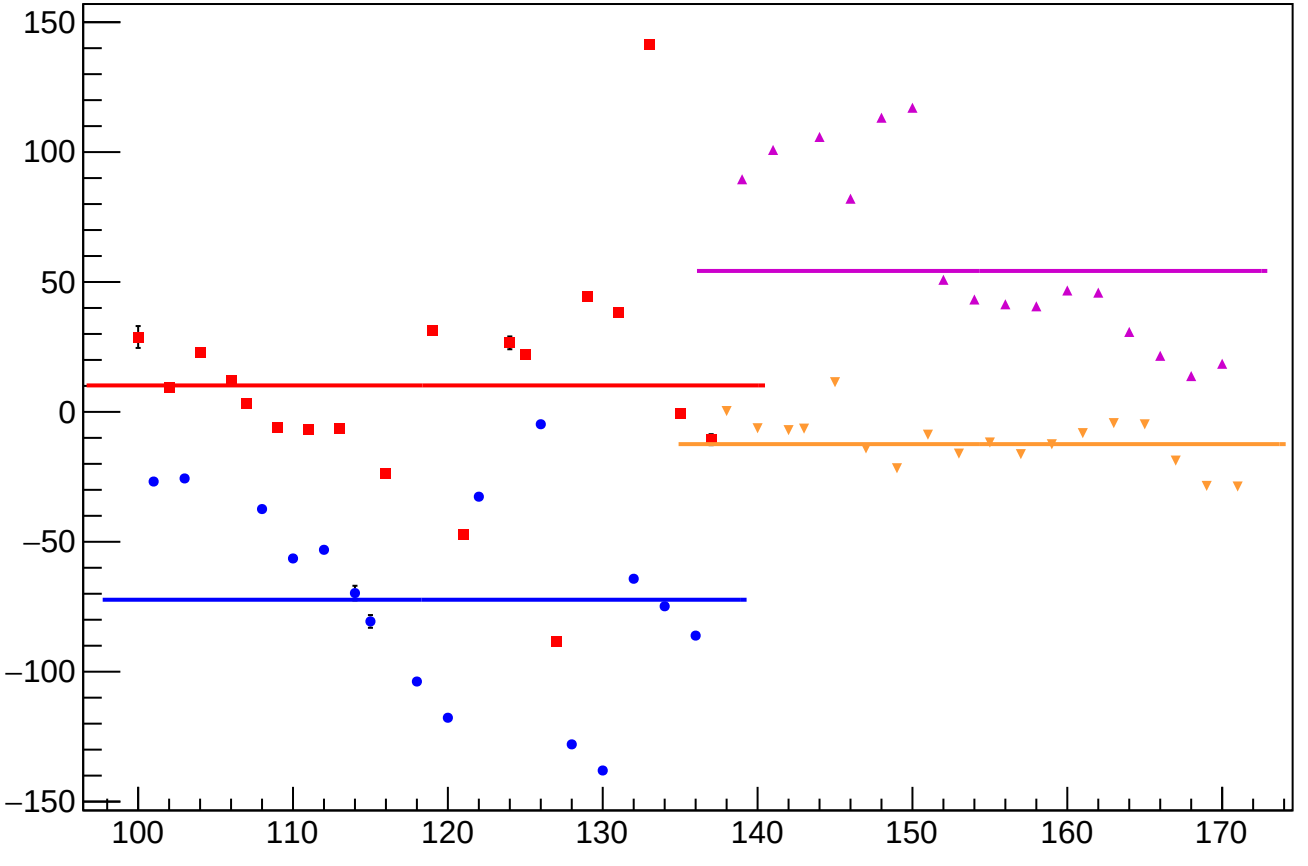
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1446.619+/-0.228 χ^2/NDF:517775.5/31

Out: 1413.064+/-0.216 χ^2/NDF:710128.7/36

All: 1428.953+/-0.157 χ^2/NDF: 1239291.0/68

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: 54.253+/-0.231 χ^2/NDF:19914.4/15

Left: 19.203+/-0.159 χ^2/NDF: 65497.4/33

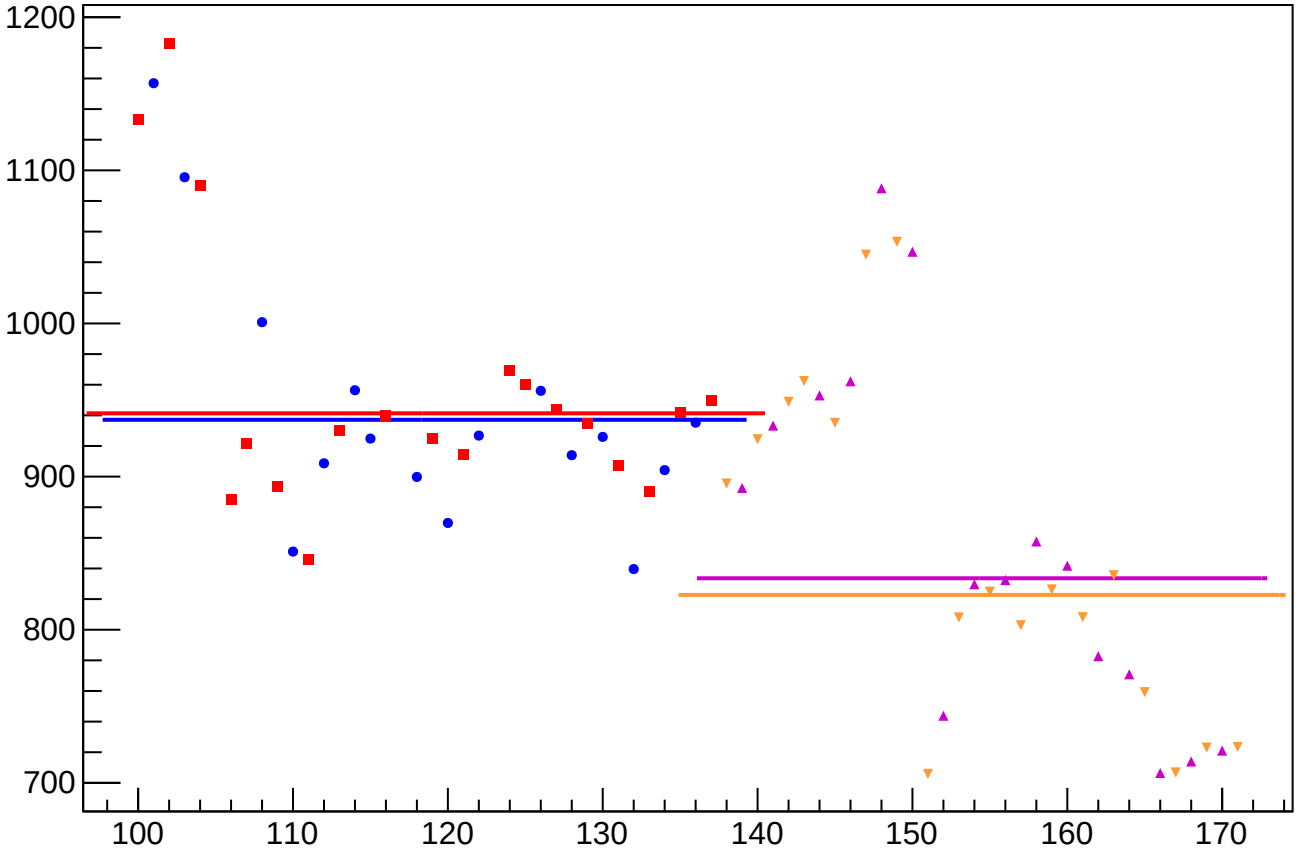
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.686+/-0.193 χ^2/NDF:123255.8/31

Out: -5.874+/-0.185 χ^2/NDF:24037.1/36

All: 4.469+/-0.134 χ^2/NDF: 153791.1/68

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: 833.602+/-0.164 χ^2/NDF:421177.6/15

Left: 827.890+/-0.113 χ^2/NDF: 844809.8/33

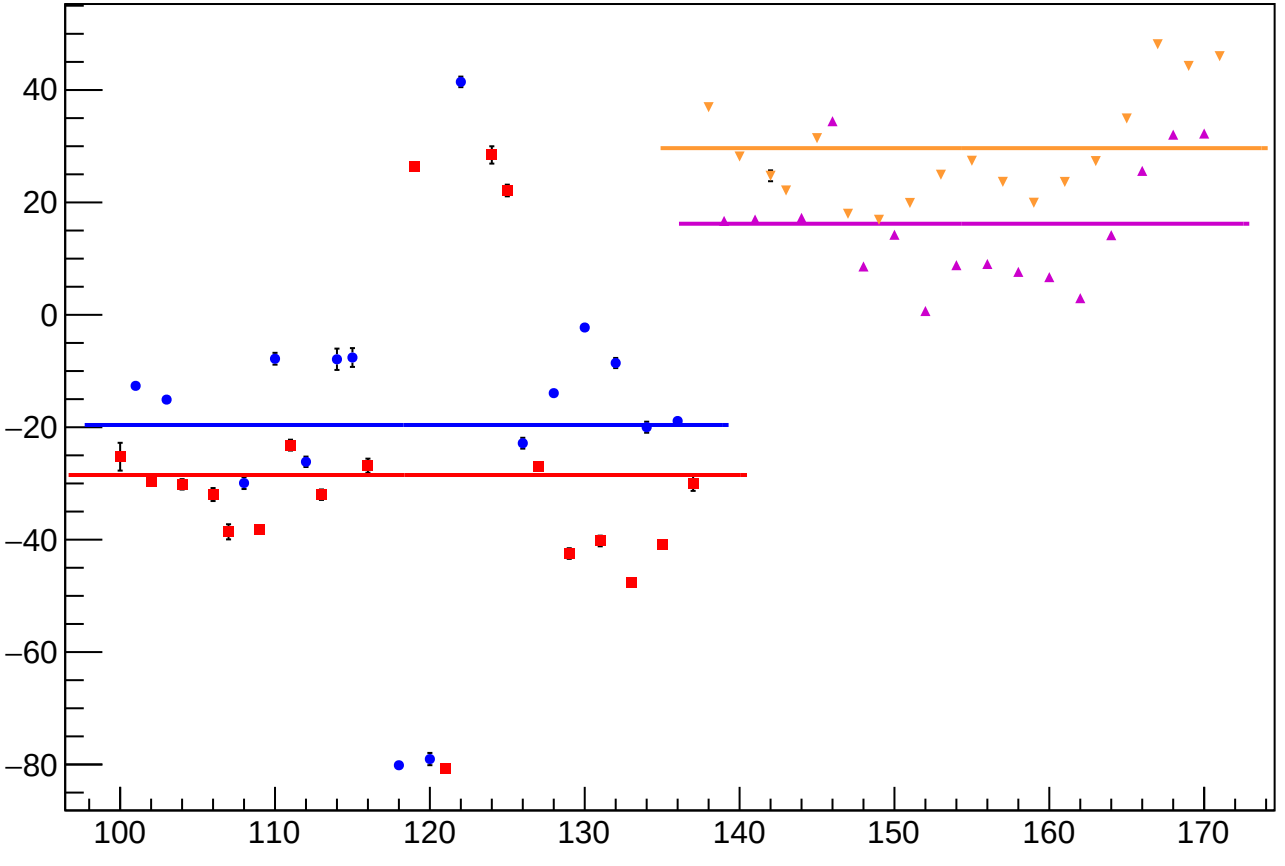
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 865.141+/-0.136 χ^2/NDF:647803.5/31

Out: 857.020+/-0.131 χ^2/NDF:690776.4/36

All: 860.916+/-0.094 χ^2/NDF: 1340423.7/68

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: 16.209+/-0.182 χ^2/NDF:3468.2/15

Left: 23.293+/-0.125 χ^2/NDF: 9711.0/33

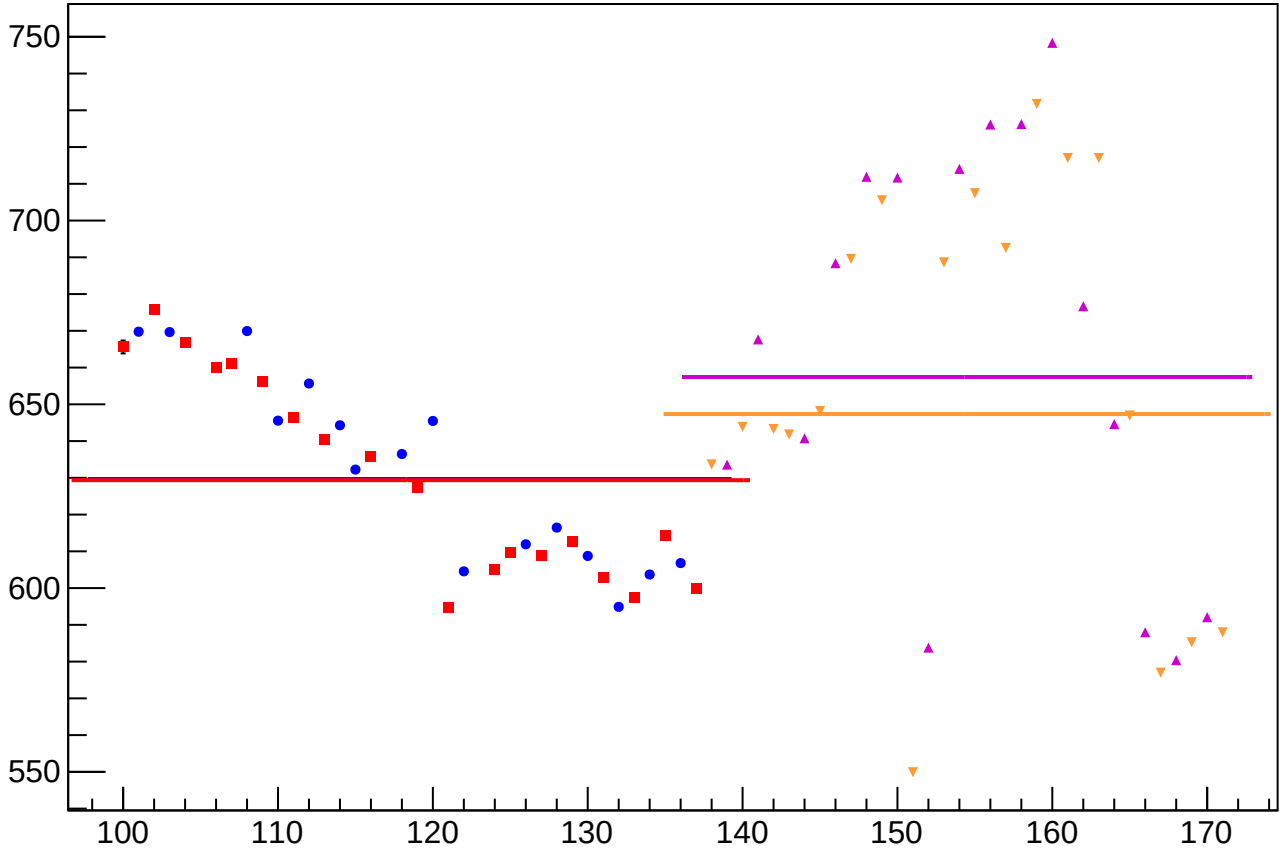
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 2.738+/-0.144 χ^2/NDF:31236.6/31

Out: 8.714+/-0.138 χ^2/NDF:57352.1/36

All: 5.848+/-0.099 χ^2/NDF: 89490.3/68

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: 657.430+/-0.129 χ^2/NDF:188892.8/15

Left: 652.124+/-0.088 χ^2/NDF: 401372.6/33

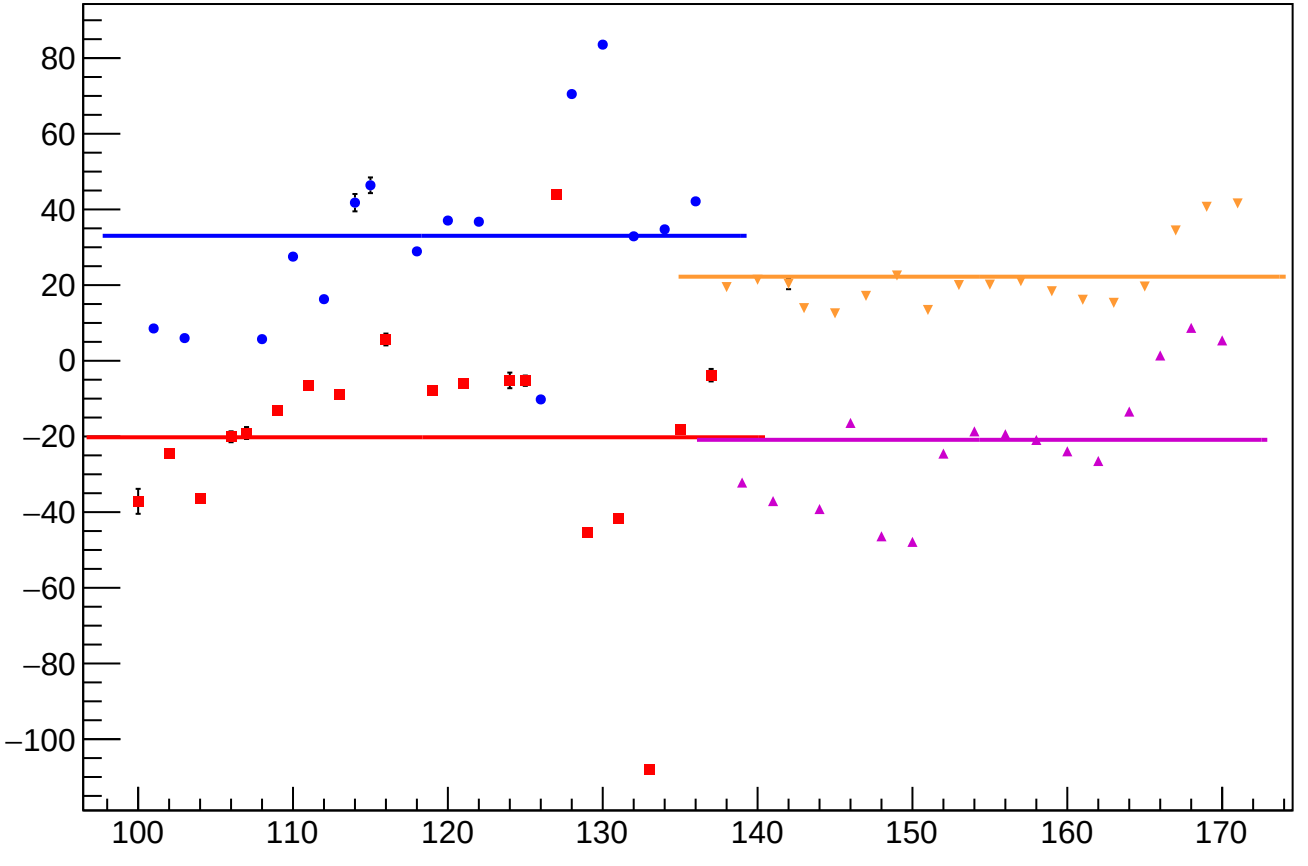
Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

In: 646.982+/-0.102 χ^2/NDF:231770.6/31

Out: 640.875+/-0.097 χ^2/NDF:243890.3/36

All: 643.804+/-0.070 χ^2/NDF: 477544.4/68

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: -20.886+/-0.257 χ^2/NDF:4128.8/15

Left: 1.658+/-0.177 χ^2/NDF: 20246.3/33

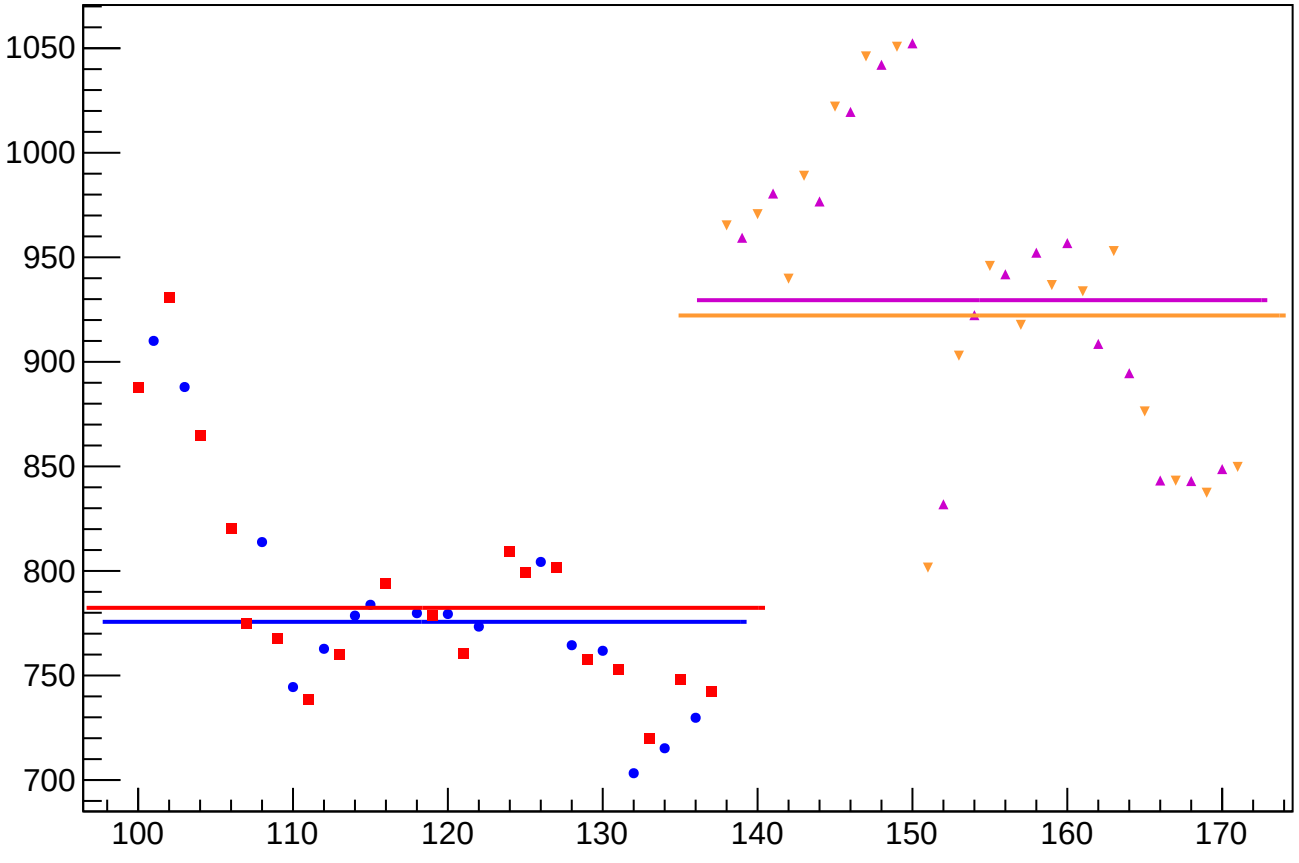
Right: 6.136+/-0.203 χ^2/NDF: 35729.1/34

In: 2.890+/-0.192 χ^2/NDF:30301.3/31

Out: 4.253+/-0.186 χ^2/NDF:25923.9/36

All: 3.592+/-0.134 χ^2/NDF: 56251.2/68

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: 929.501+/-0.181 χ^2/NDF:142711.6/15

Left: 925.674+/-0.125 χ^2/NDF: 310711.9/33

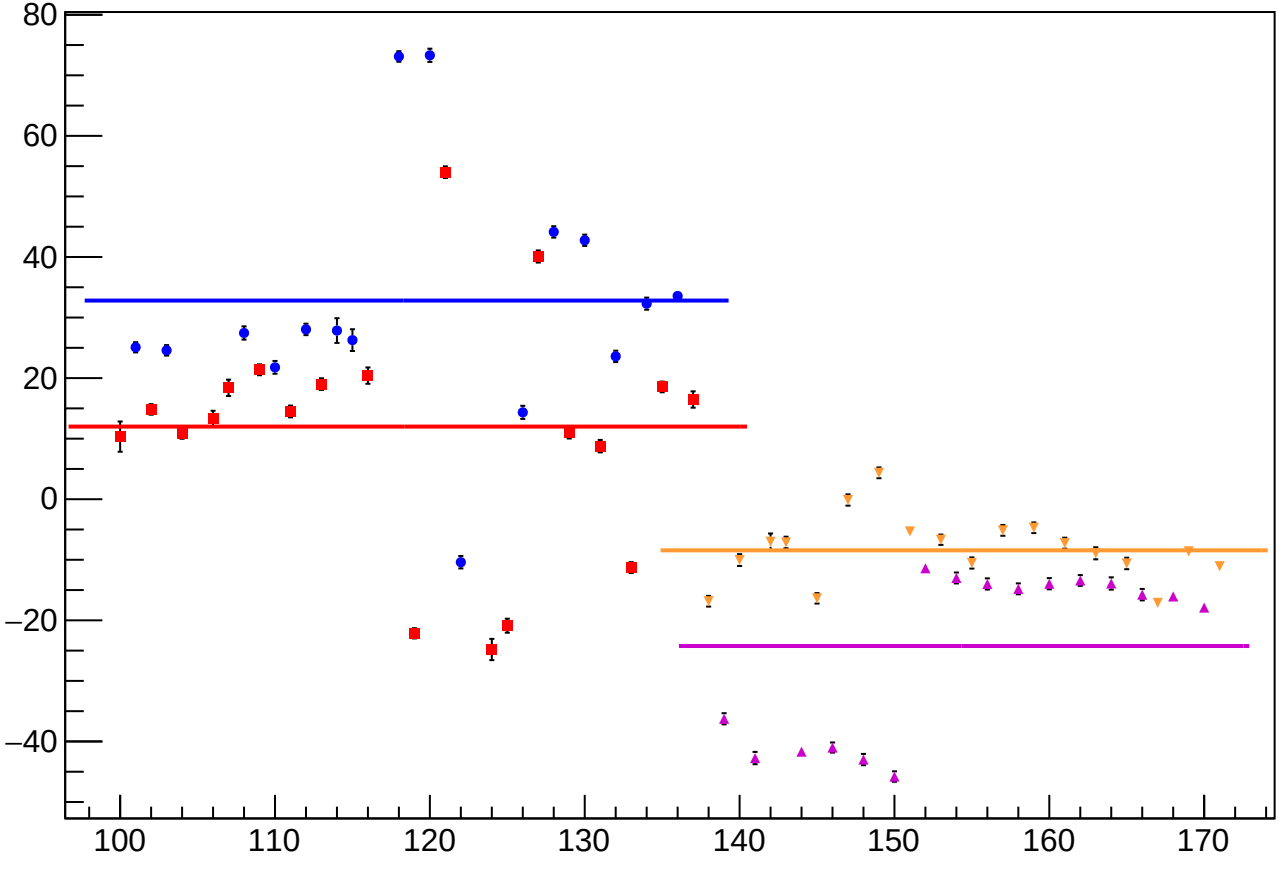
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.665+/-0.136 χ^2/NDF:534384.1/31

Out: 862.968+/-0.132 χ^2/NDF:507389.2/36

All: 862.336+/-0.094 χ^2/NDF: 1041820.8/68

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: -24.241+/-0.217 χ^2/NDF:3739.6/15

Left: -15.980+/-0.150 χ^2/NDF: 7167.6/33

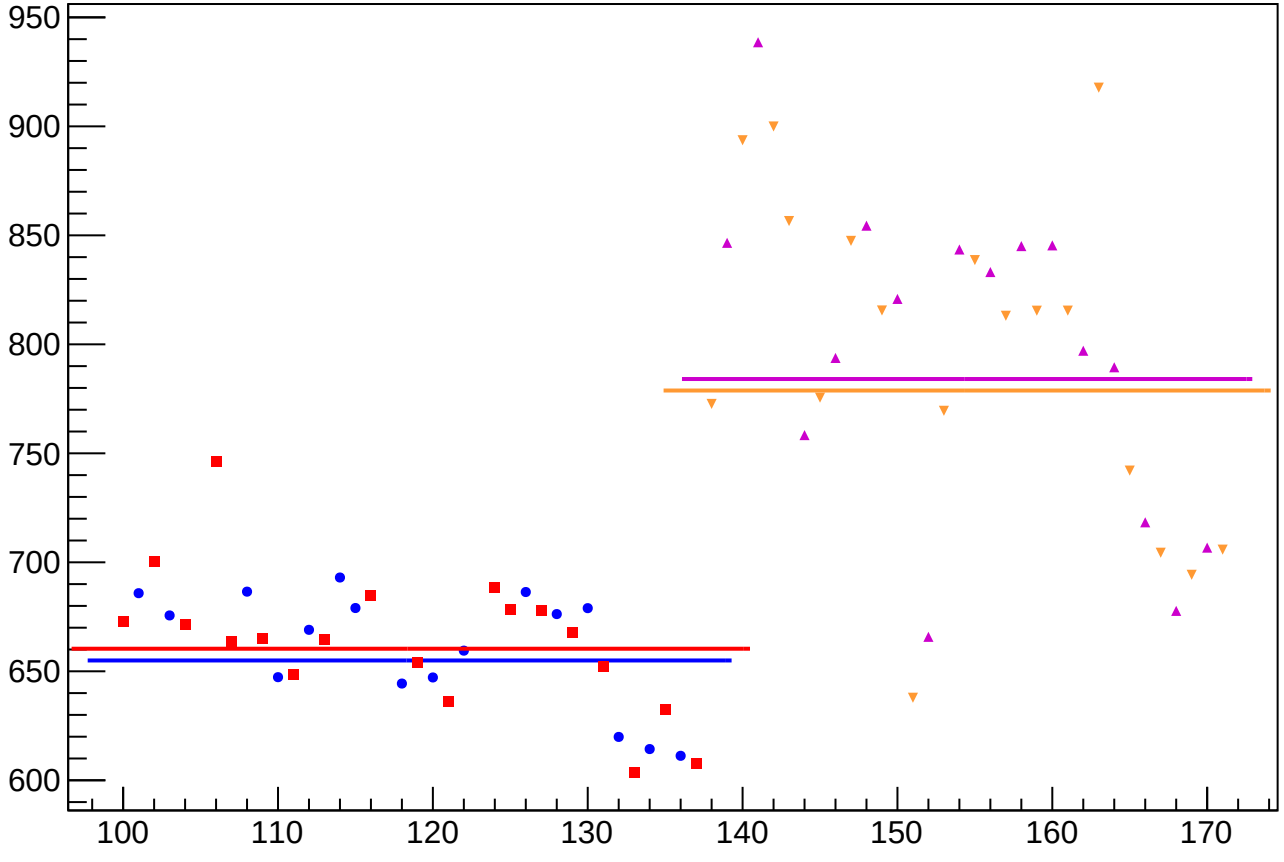
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: 1.069+/-0.162 χ^2/NDF:40525.5/31

Out: 0.266+/-0.157 χ^2/NDF:11349.6/36

All: 0.656+/-0.113 χ^2/NDF: 51887.8/68

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: 784.089+/-0.154 χ^2/NDF:230446.0/15

Left: 781.332+/-0.106 χ^2/NDF: 503961.3/33

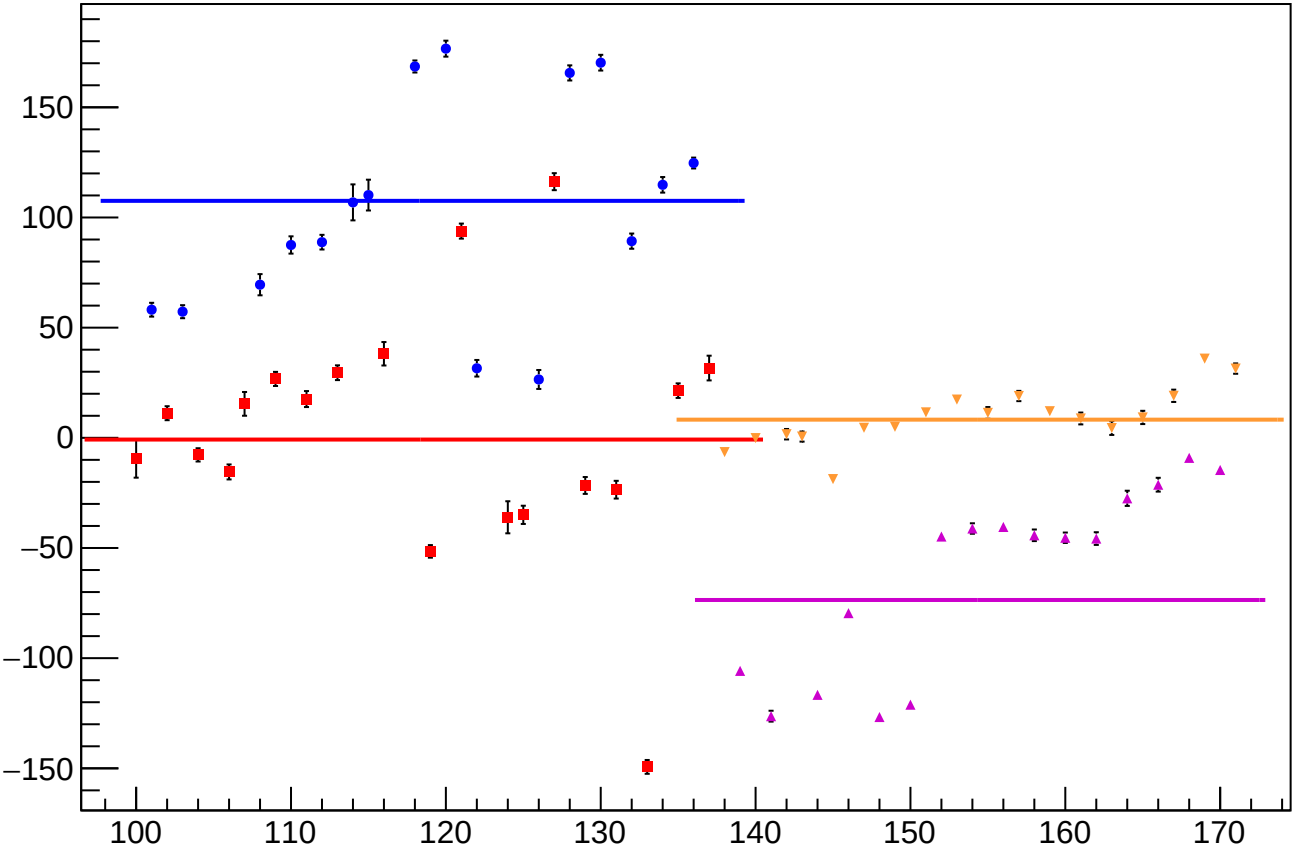
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 726.800+/-0.115 χ^2/NDF:569992.6/31

Out: 728.342+/-0.111 χ^2/NDF:580358.6/36

All: 727.595+/-0.080 χ^2/NDF: 1150444.3/68

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: -73.597+/-0.544 χ^2/NDF:5875.8/15

Left: -31.424+/-0.379 χ^2/NDF: 18131.8/33

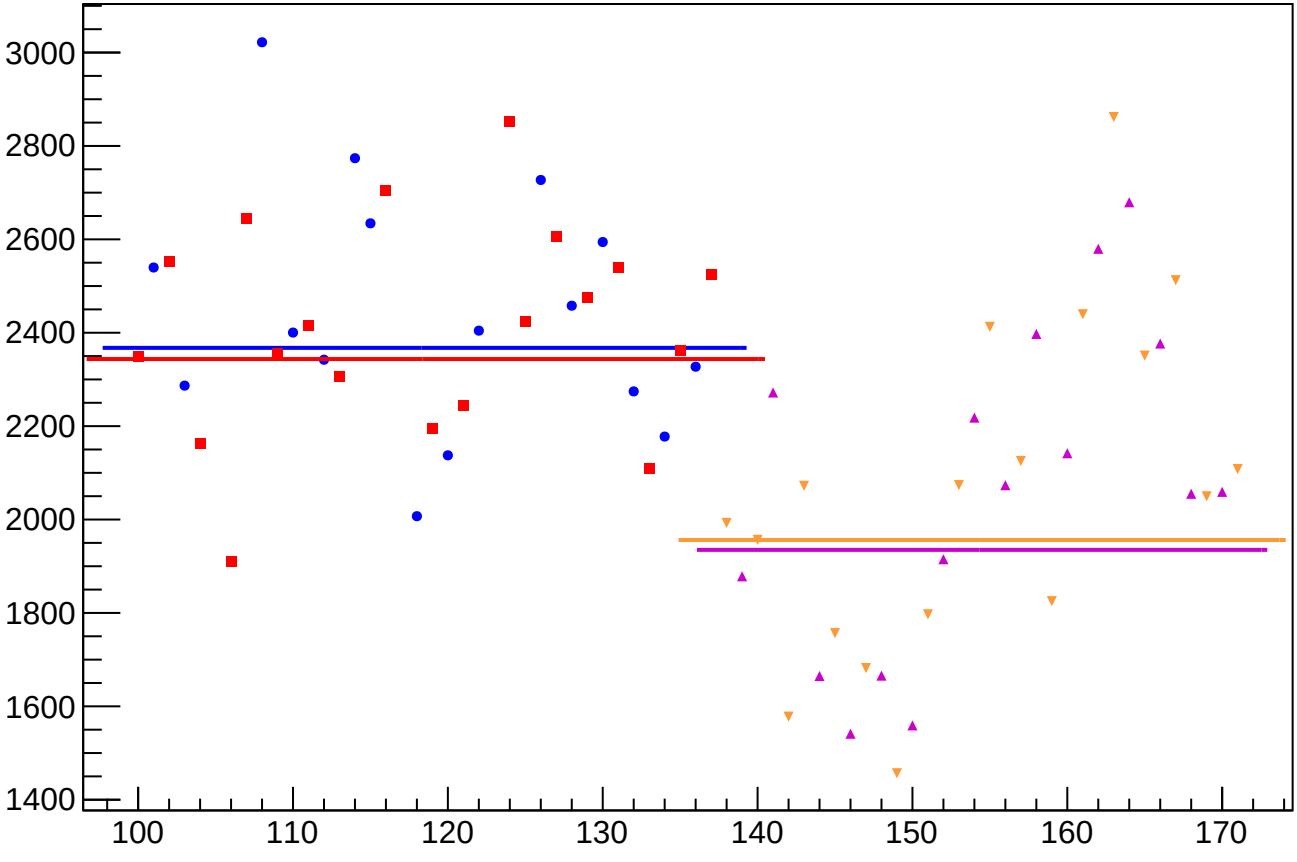
Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

In: -23.991+/-0.463 χ^2/NDF:39231.0/31

Out: 5.781+/-0.450 χ^2/NDF:5423.1/36

All: -8.660+/-0.323 χ^2/NDF: 46780.7/68

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: 1935.039+/-0.384 χ^2/NDF:706809.5/15

Left: 1945.935+/-0.268 χ^2/NDF: 1478439.4/33

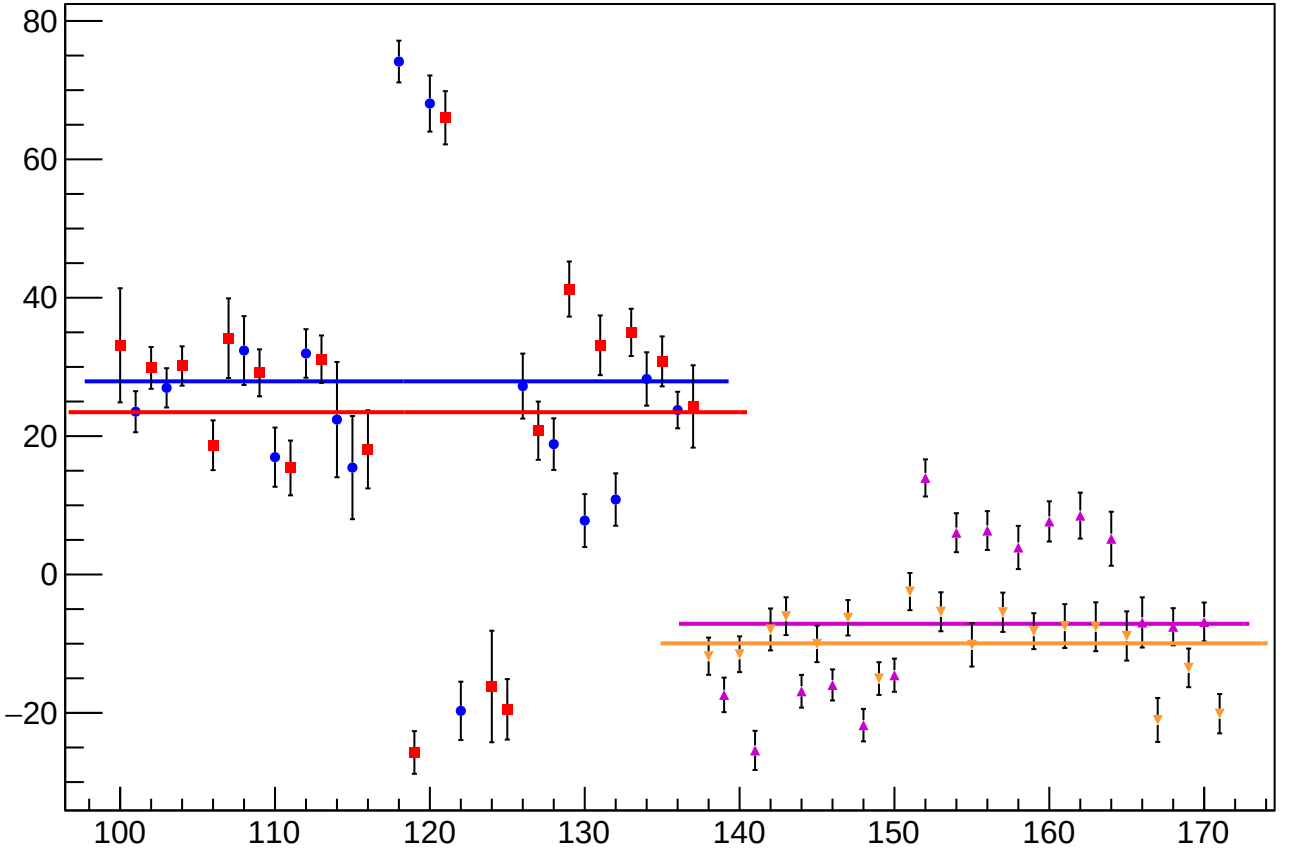
Right: 2355.333+/-0.436 χ^2/NDF: 239789.5/34

In: 2053.503+/-0.328 χ^2/NDF:1180311.9/31

Out: 2061.918+/-0.318 χ^2/NDF:1177071.1/36

All: 2057.836+/-0.228 χ^2/NDF: 2357722.8/68

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: -7.122+/-0.685 χ^2/NDF:317.1/15

Left: -8.573+/-0.478 χ^2/NDF: 377.0/33

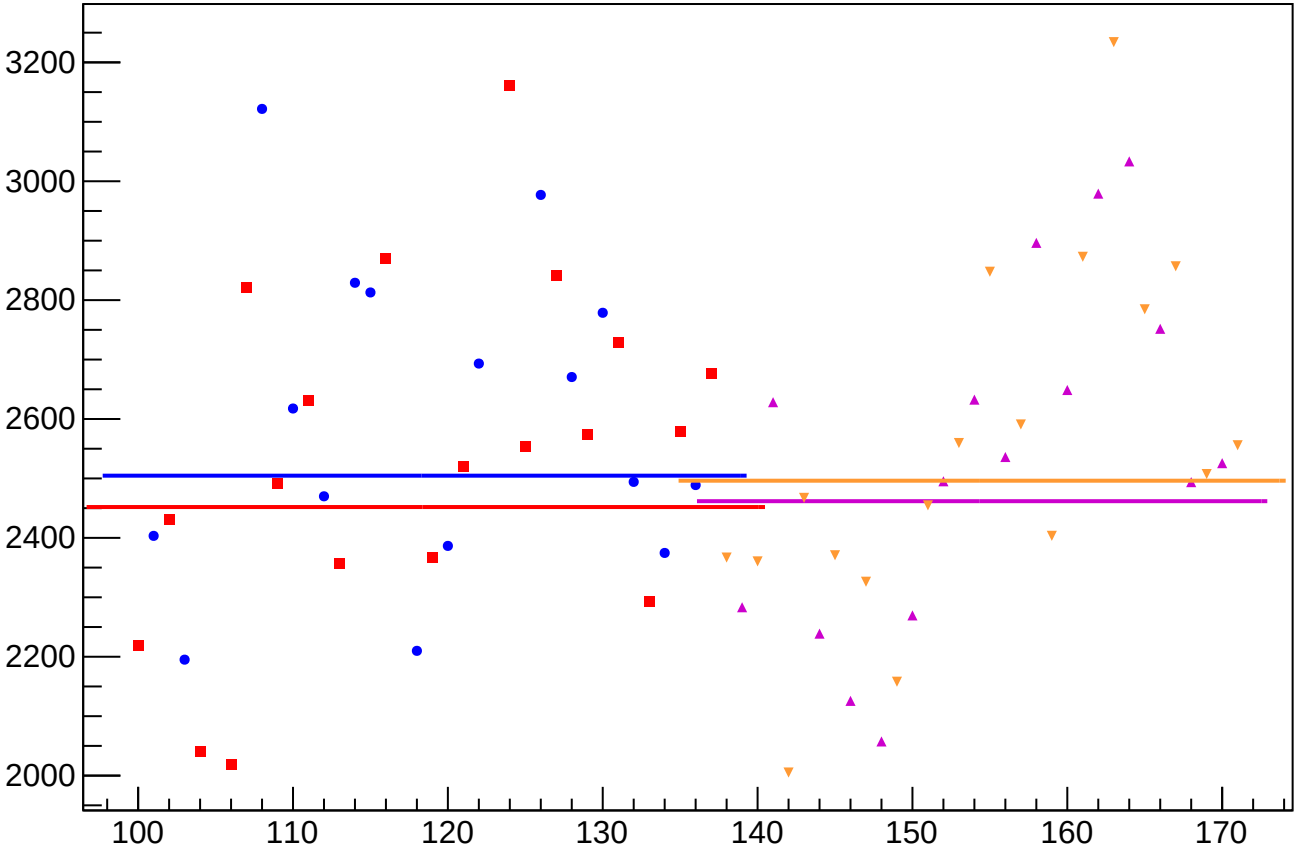
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 5.093+/-0.553 χ^2/NDF:1759.1/31

Out: 1.827+/-0.536 χ^2/NDF:1505.8/36

All: 3.408+/-0.385 χ^2/NDF: 3282.9/68

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: 2461.730+/-0.485 χ^2/NDF:313488.2/15

Left: 2479.458+/-0.338 χ^2/NDF: 620251.2/33

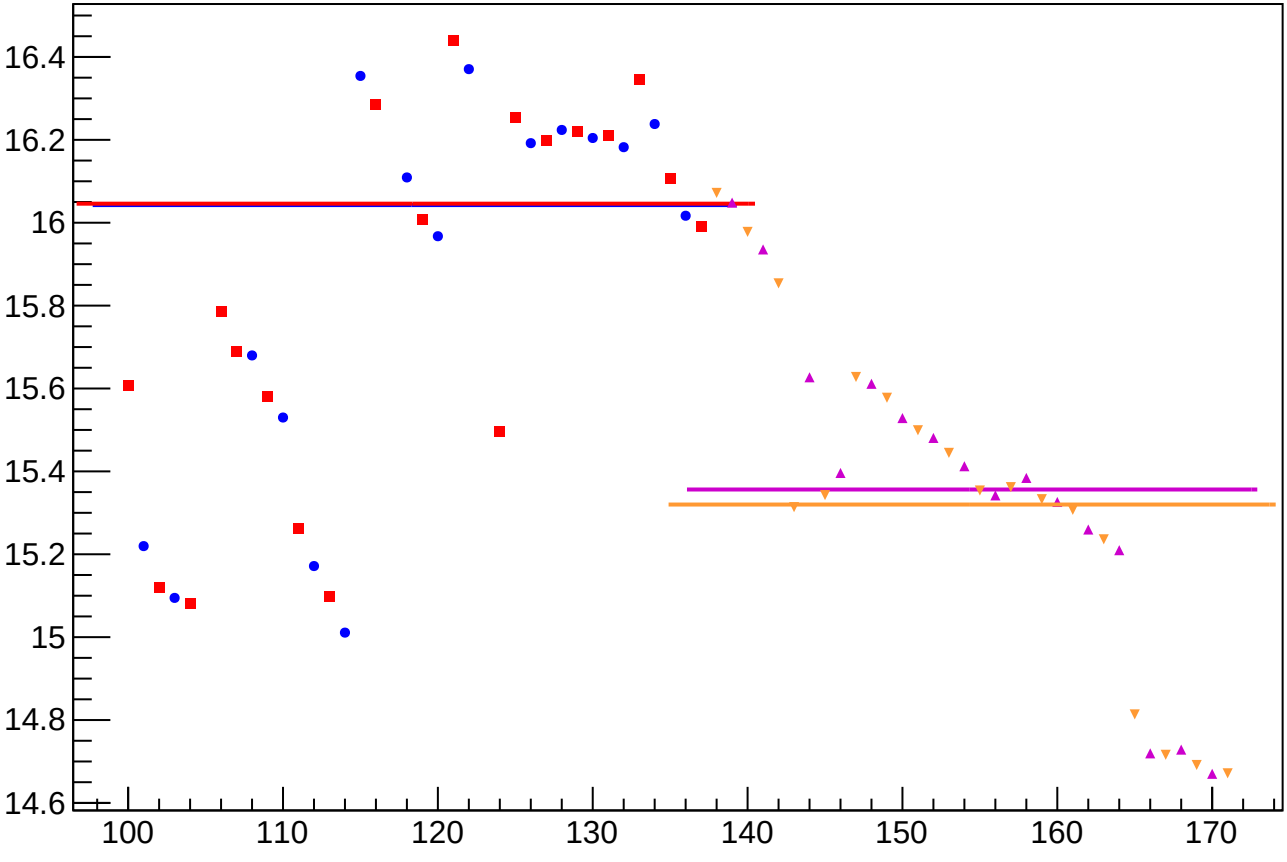
Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

In: 2476.693+/-0.391 χ^2/NDF:442822.7/31

Out: 2480.577+/-0.379 χ^2/NDF:460519.9/36

All: 2478.697+/-0.272 χ^2/NDF: 903393.5/68

yield_sam1_mean vs Slug, Sign Corrected



Right In: 16.043+/-0.000 χ^2/NDF: 2840540588.4/15

Left Out: 15.320+/-0.000 χ^2/NDF:20388953341.1/17

Right Out: 16.046+/-0.000 χ^2/NDF: 3552158387.5/18

Left In: 15.356+/-0.000 χ^2/NDF:16695321638.8/15

Left: 15.337+/-0.000 χ^2/NDF: 37157357511.7/33

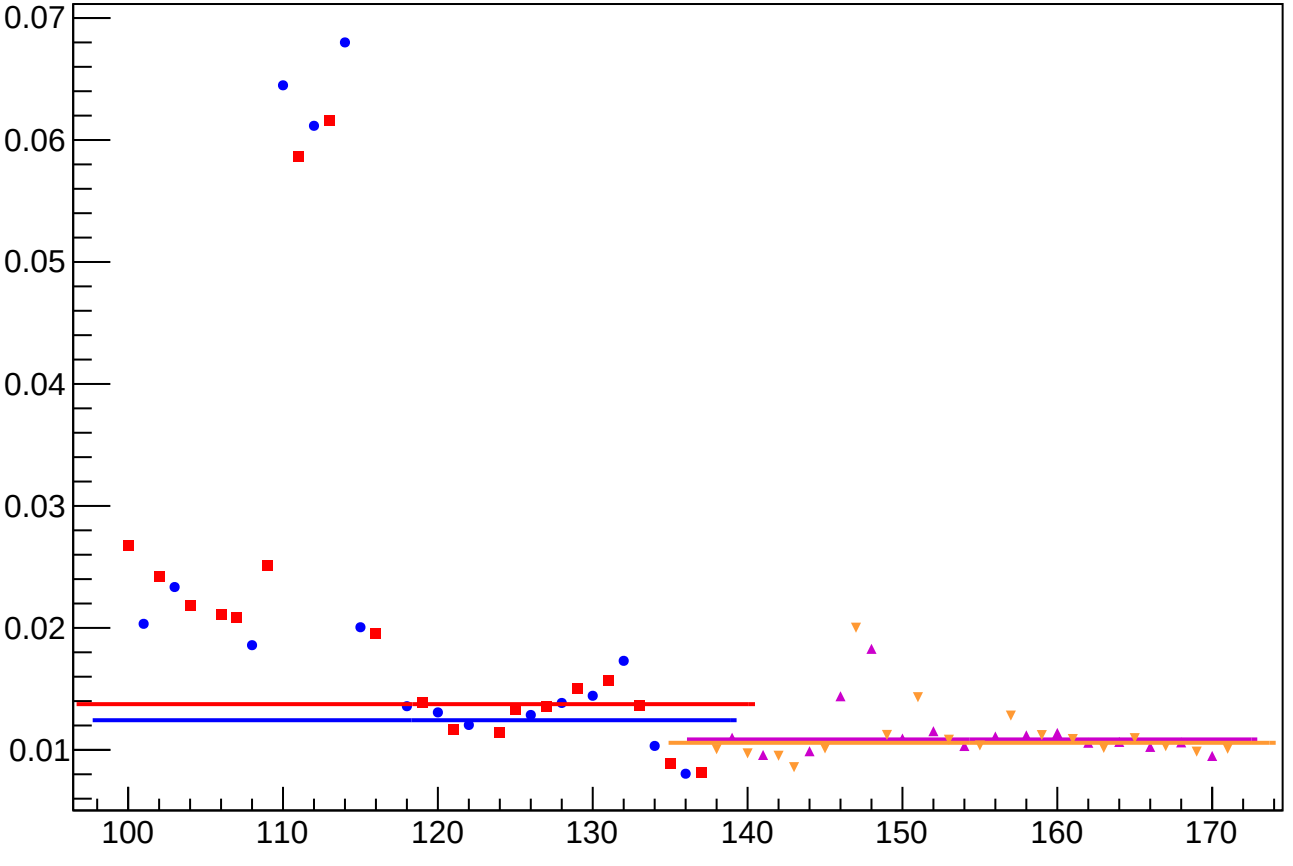
Right: 16.044+/-0.000 χ^2/NDF: 6392885915.7/34

In: 15.531+/-0.000 χ^2/NDF:32048285781.1/31

Out: 15.467+/-0.000 χ^2/NDF:36586526833.7/36

All: 15.498+/-0.000 χ^2/NDF: 68927167585.4

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2316842.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:652368.0/17

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:458452.3/15

Left: 0.011+/-0.000 χ^2/NDF: 1119302.8/33

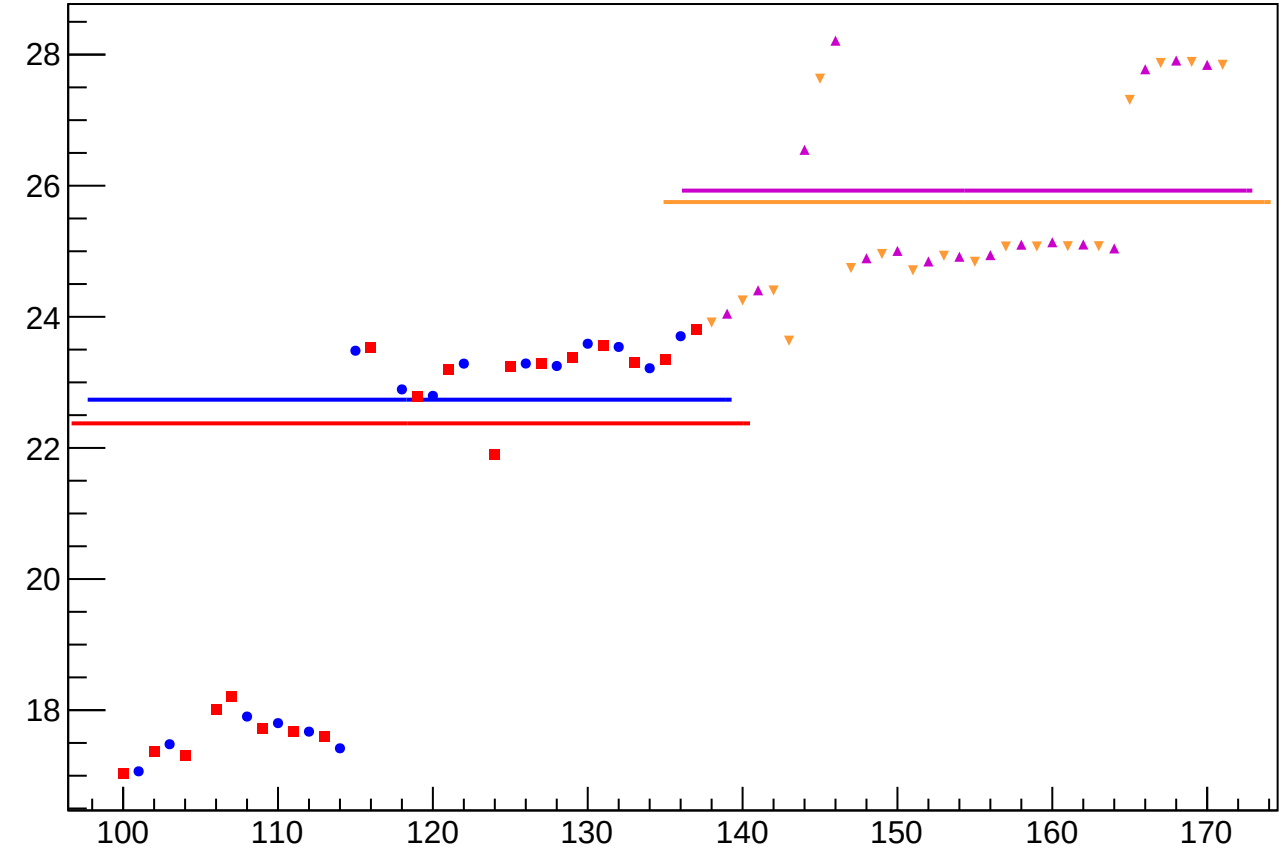
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2907090.4/31

Out: 0.011+/-0.000 χ^2/NDF:3364961.7/36

All: 0.011+/-0.000 χ^2/NDF: 6272227.0/68

yield_sam2_mean vs Slug, Sign Corrected



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: 25.925+/-0.000 χ^2/NDF:1636063956.8/15

Left: 25.832+/-0.000 χ^2/NDF: 3954605038.1/33

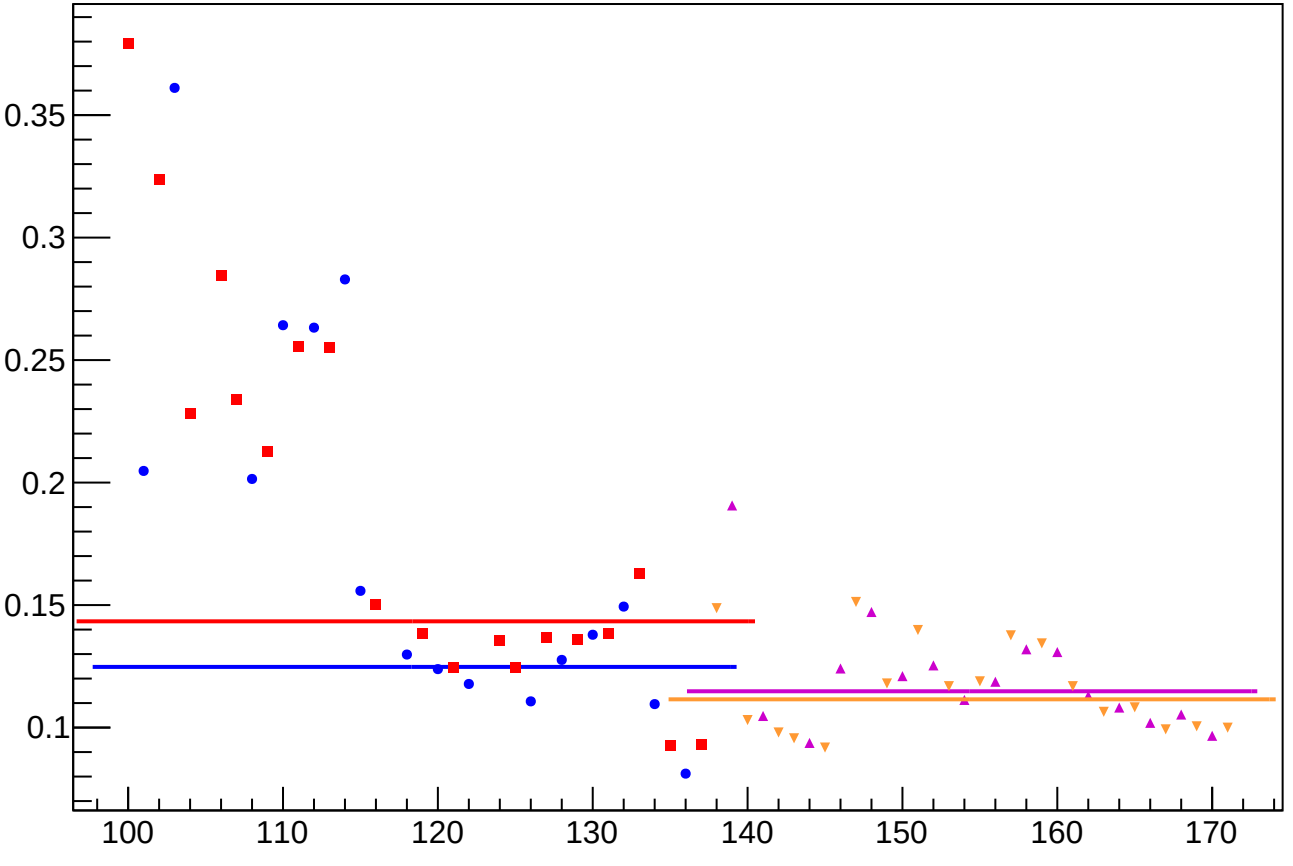
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.013+/-0.000 χ^2/NDF:5351321897.3/31

Out: 24.999+/-0.000 χ^2/NDF:5997038352.4/36

All: 25.006+/-0.000 χ^2/NDF: 11348468081.1

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.112+/-0.000 χ^2/NDF:547997.3/17

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.115+/-0.000 χ^2/NDF:586000.4/15

Left: 0.113+/-0.000 χ^2/NDF: 1143871.6/33

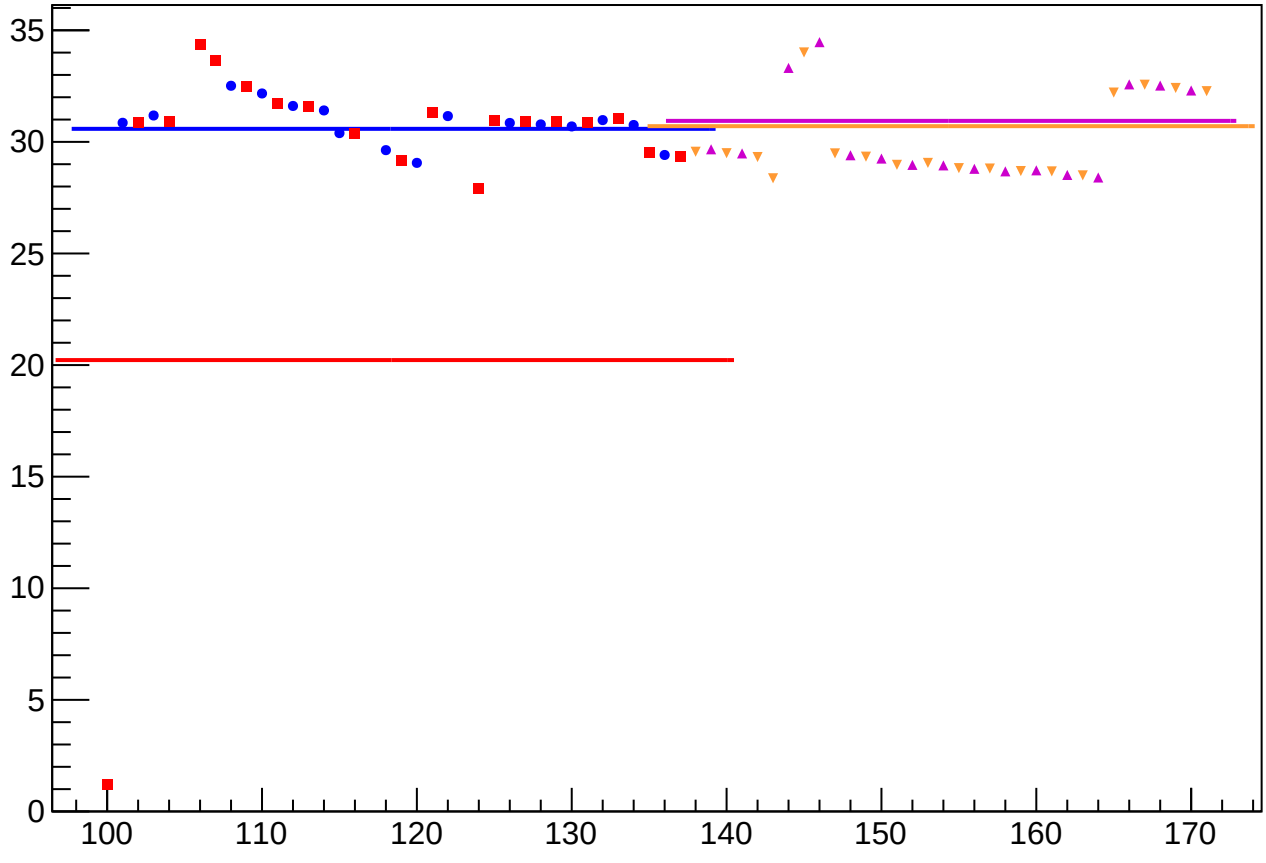
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.118+/-0.000 χ^2/NDF:2384345.3/31

Out: 0.119+/-0.000 χ^2/NDF:2558783.2/36

All: 0.118+/-0.000 χ^2/NDF: 4944235.1/68

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: 30.942+/-0.000 χ^2/NDF:11707770043.4/15

Left: 30.818+/-0.000 χ^2/NDF: 22613589687.7/33

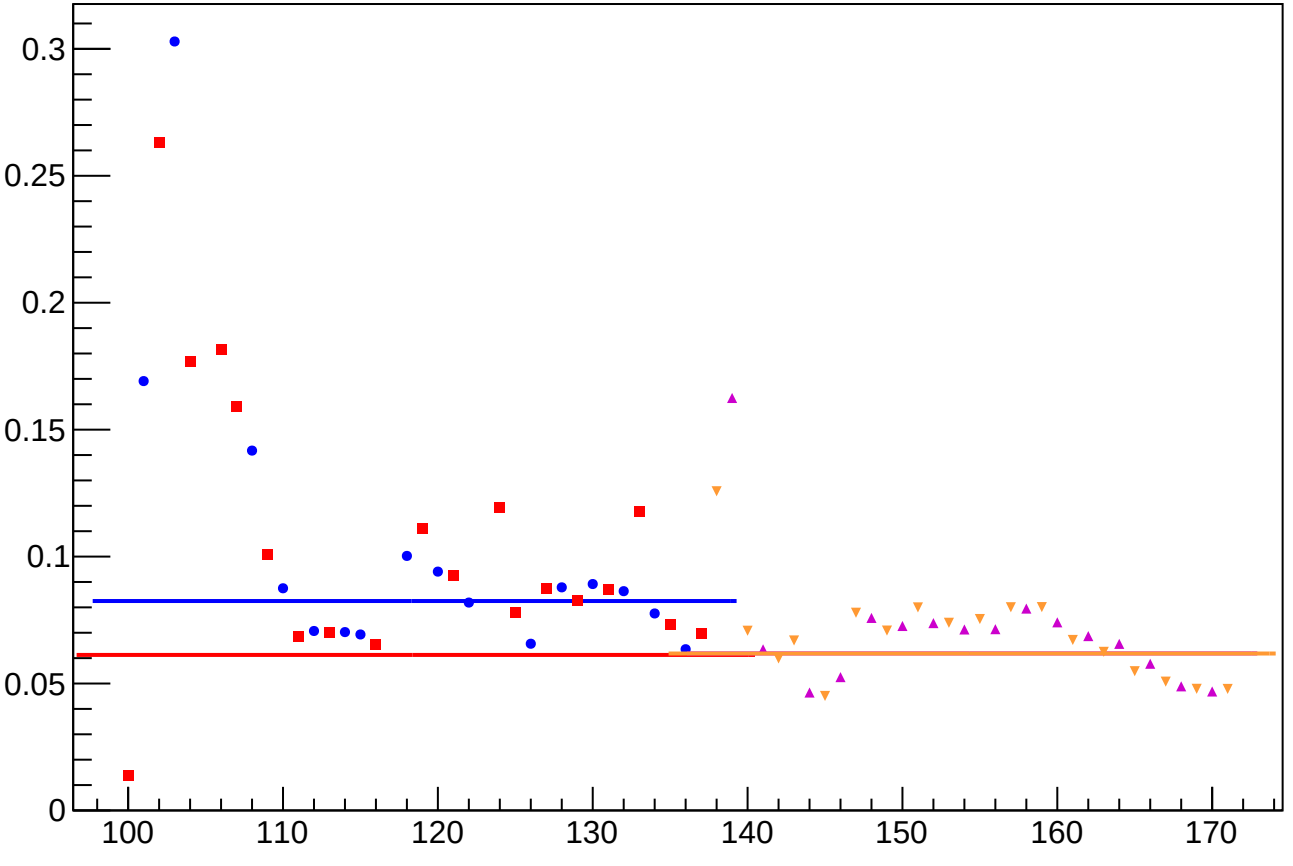
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 30.859+/-0.000 χ^2/NDF:12435957941.1/31

Out: 27.777+/-0.000 χ^2/NDF:318220104034.0/36

All: 29.204+/-0.000 χ^2/NDF: 347799653019.

yield_sam3_rms vs Slug, Sign Corrected



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: 0.062+/-0.000 χ^2/NDF:1342032.9/15

Left: 0.062+/-0.000 χ^2/NDF: 2554313.4/33

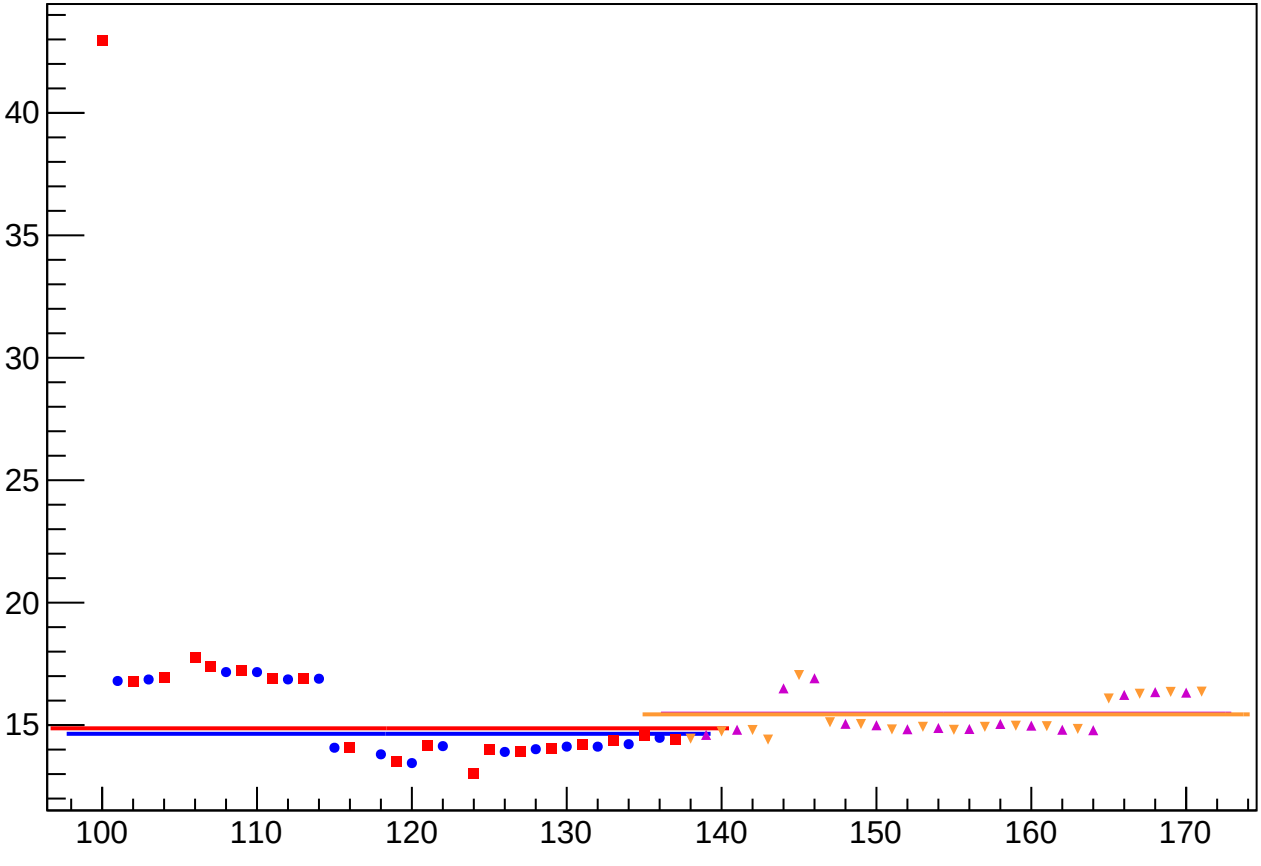
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.067+/-0.000 χ^2/NDF:3111211.5/31

Out: 0.062+/-0.000 χ^2/NDF:5227064.3/36

All: 0.064+/-0.000 χ^2/NDF: 8426523.9/68

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: 15.467+/-0.000 χ^2/NDF:1476976981.3/15

Left: 15.452+/-0.000 χ^2/NDF: 3318922634.9/33

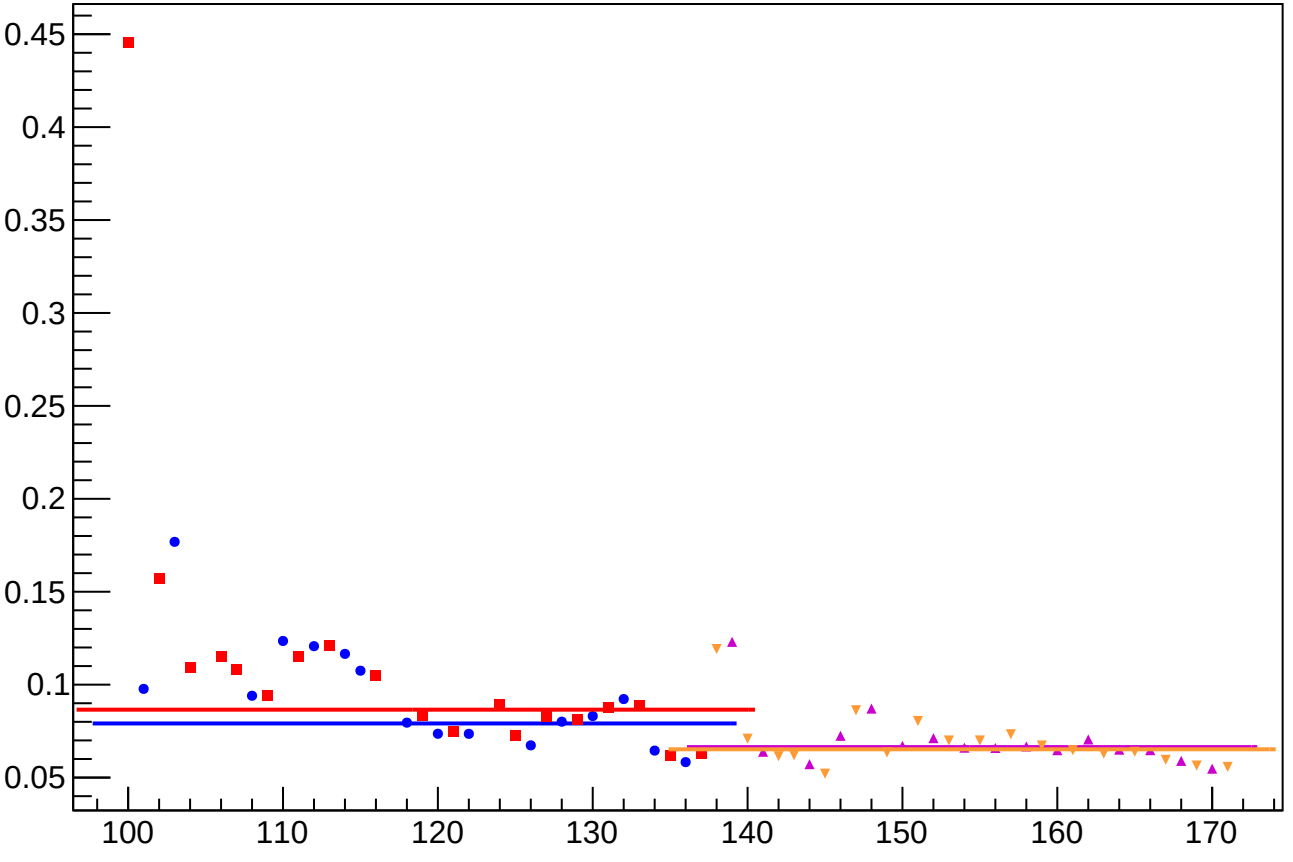
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.244+/-0.000 χ^2/NDF:3133559478.3/31

Out: 15.309+/-0.000 χ^2/NDF:3777425213.5/36

All: 15.277+/-0.000 χ^2/NDF: 6918627940.5/6

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:583222.5/15

Left: 0.066+/-0.000 χ^2/NDF: 1240167.7/33

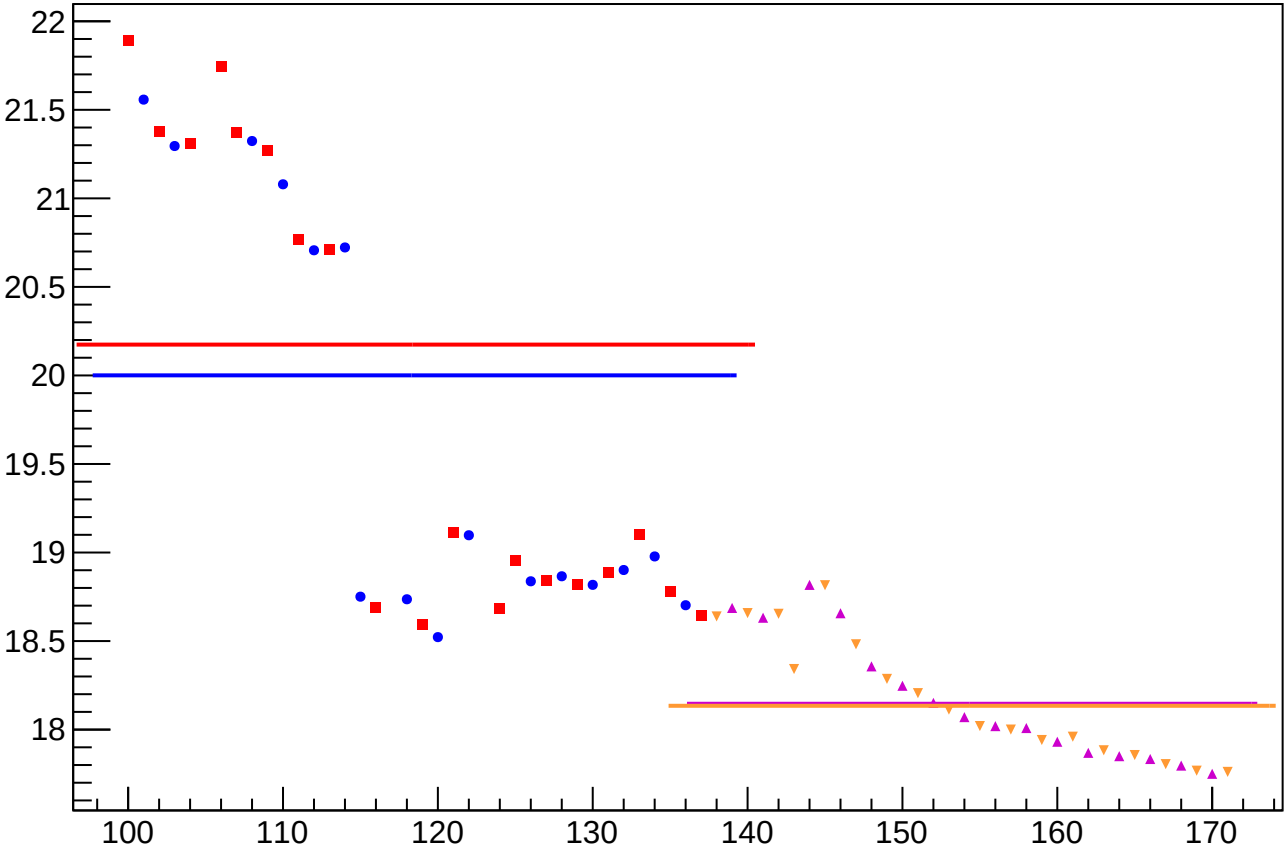
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.070+/-0.000 χ^2/NDF:1722533.9/31

Out: 0.070+/-0.000 χ^2/NDF:2023753.2/36

All: 0.070+/-0.000 χ^2/NDF: 3746413.8/68

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: 18.146+/-0.000 χ^2/NDF:1477172020.0/15

Left: 18.140+/-0.000 χ^2/NDF: 3008053532.7/33

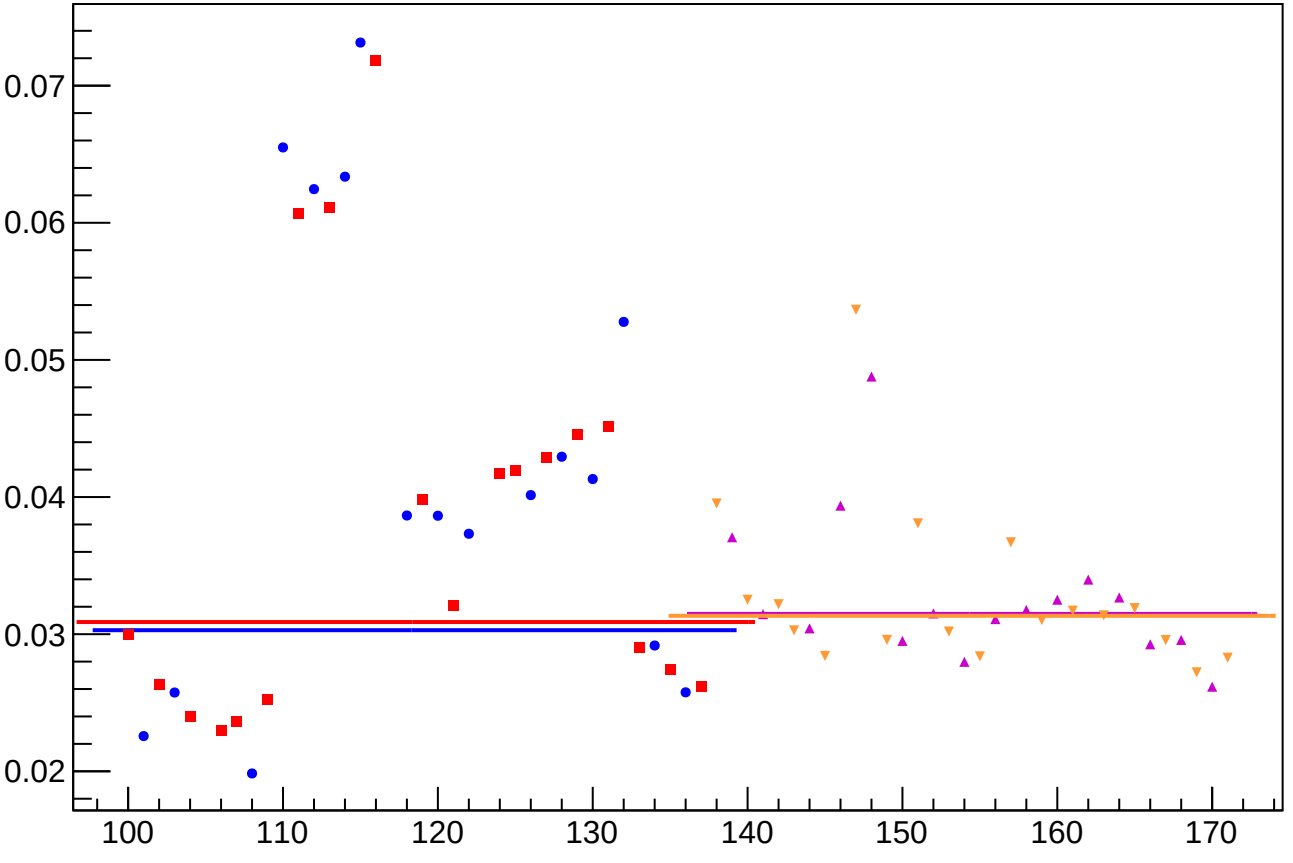
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.778+/-0.000 χ^2/NDF:27086576317.1/31

Out: 18.793+/-0.000 χ^2/NDF:30318806072.7/36

All: 18.786+/-0.000 χ^2/NDF: 57407538145.3

yield_sam5_rms vs Slug, Sign Corrected



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:428759.0/15

Left: 0.031+/-0.000 χ^2/NDF: 959376.0/33

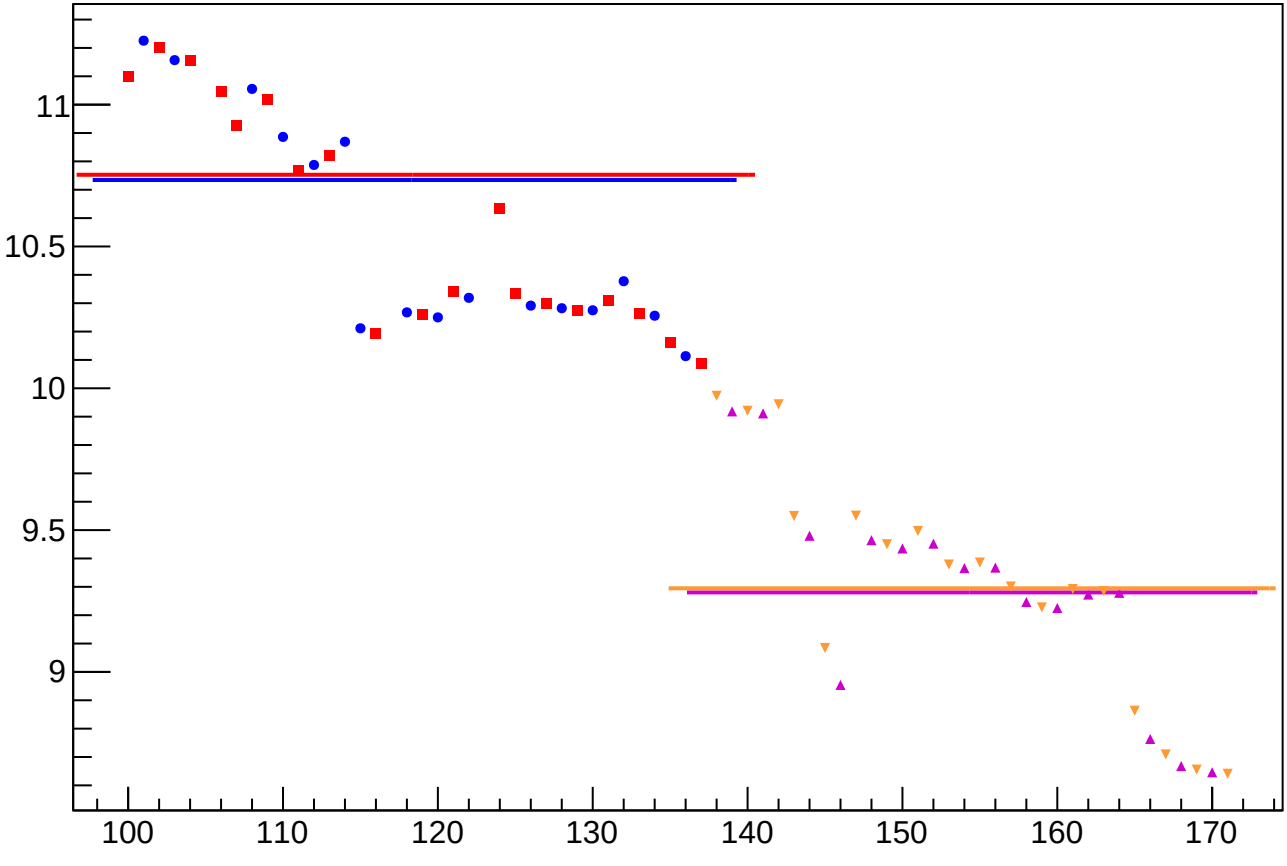
Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

In: 0.031+/-0.000 χ^2/NDF:1888186.3/31

Out: 0.031+/-0.000 χ^2/NDF:1736906.4/36

All: 0.031+/-0.000 χ^2/NDF: 3625379.9/68

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: 9.280+/-0.000 χ^2/NDF:3922660557.4/15

Left: 9.288+/-0.000 χ^2/NDF: 9337522490.8/33

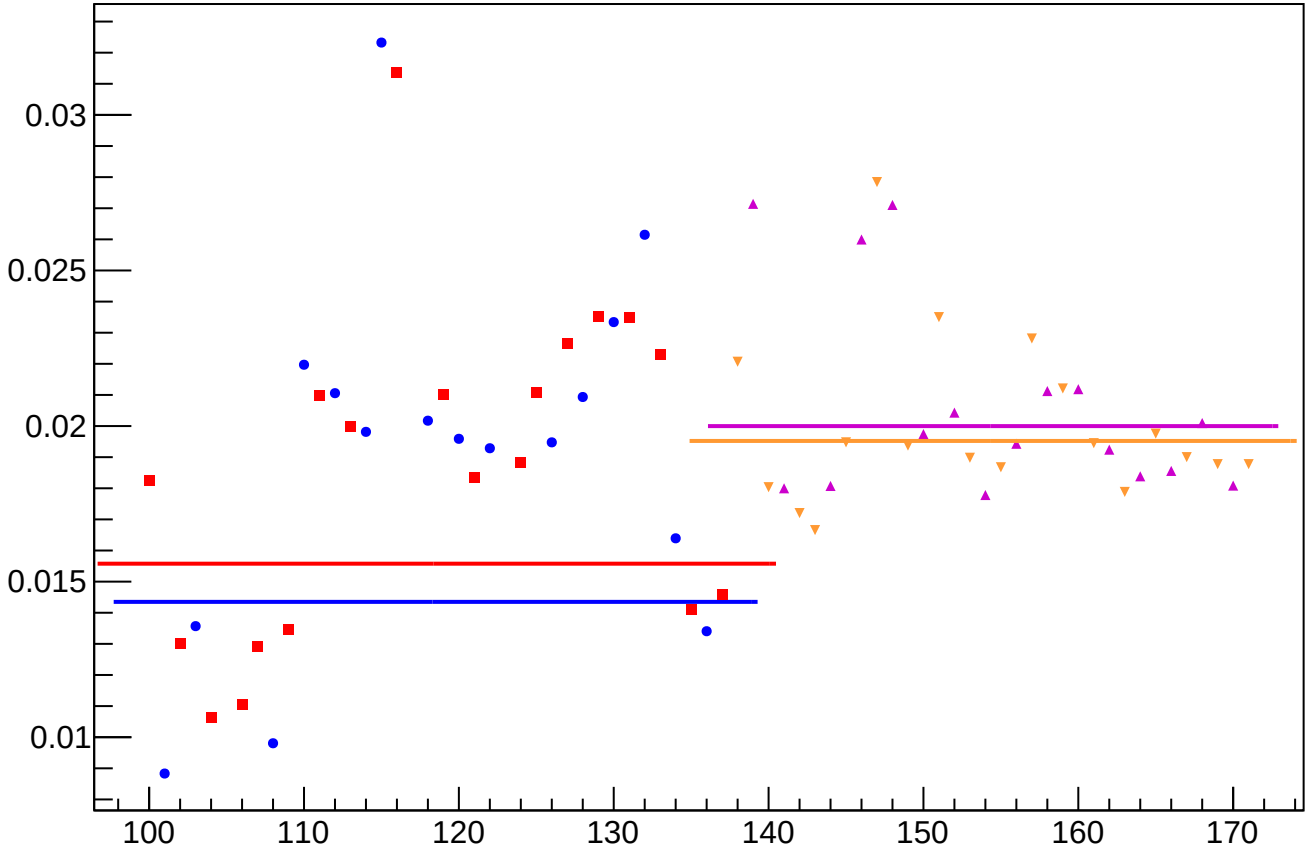
Right: 10.743+/-0.000 χ^2/NDF: 10228218714.9/34

In: 9.979+/-0.000 χ^2/NDF:40140717449.0/31

Out: 9.921+/-0.000 χ^2/NDF:40696757258.4/36

All: 9.949+/-0.000 χ^2/NDF: 80935395571.5/6

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:418333.6/15

Left: 0.020+/-0.000 χ^2/NDF: 763182.0/33

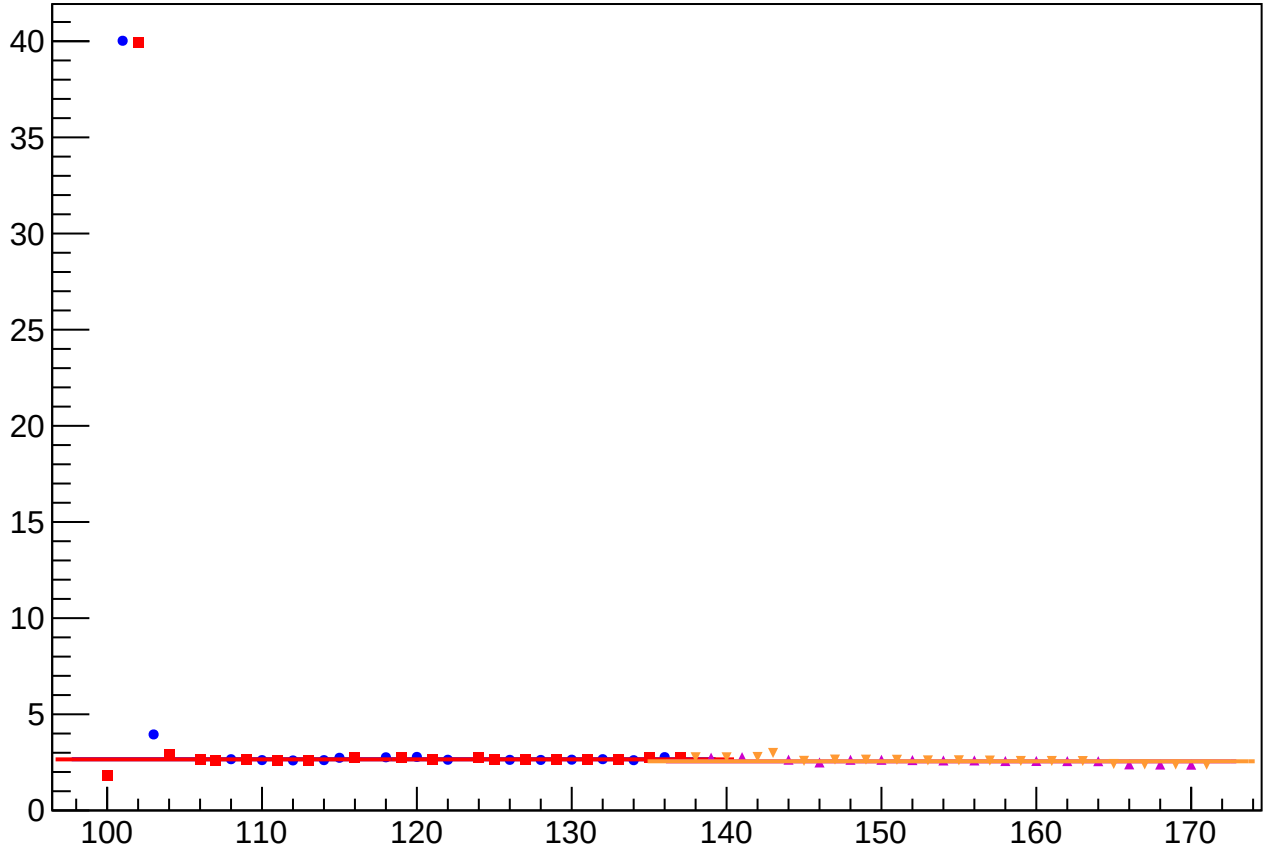
Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

In: 0.017+/-0.000 χ^2/NDF:2815851.1/31

Out: 0.018+/-0.000 χ^2/NDF:1862557.8/36

All: 0.018+/-0.000 χ^2/NDF: 4695615.4/68

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: 2.553+/-0.000 χ^2/NDF:32017993887.3/15

Left: 2.555+/-0.000 χ^2/NDF: 89783717366.3/33

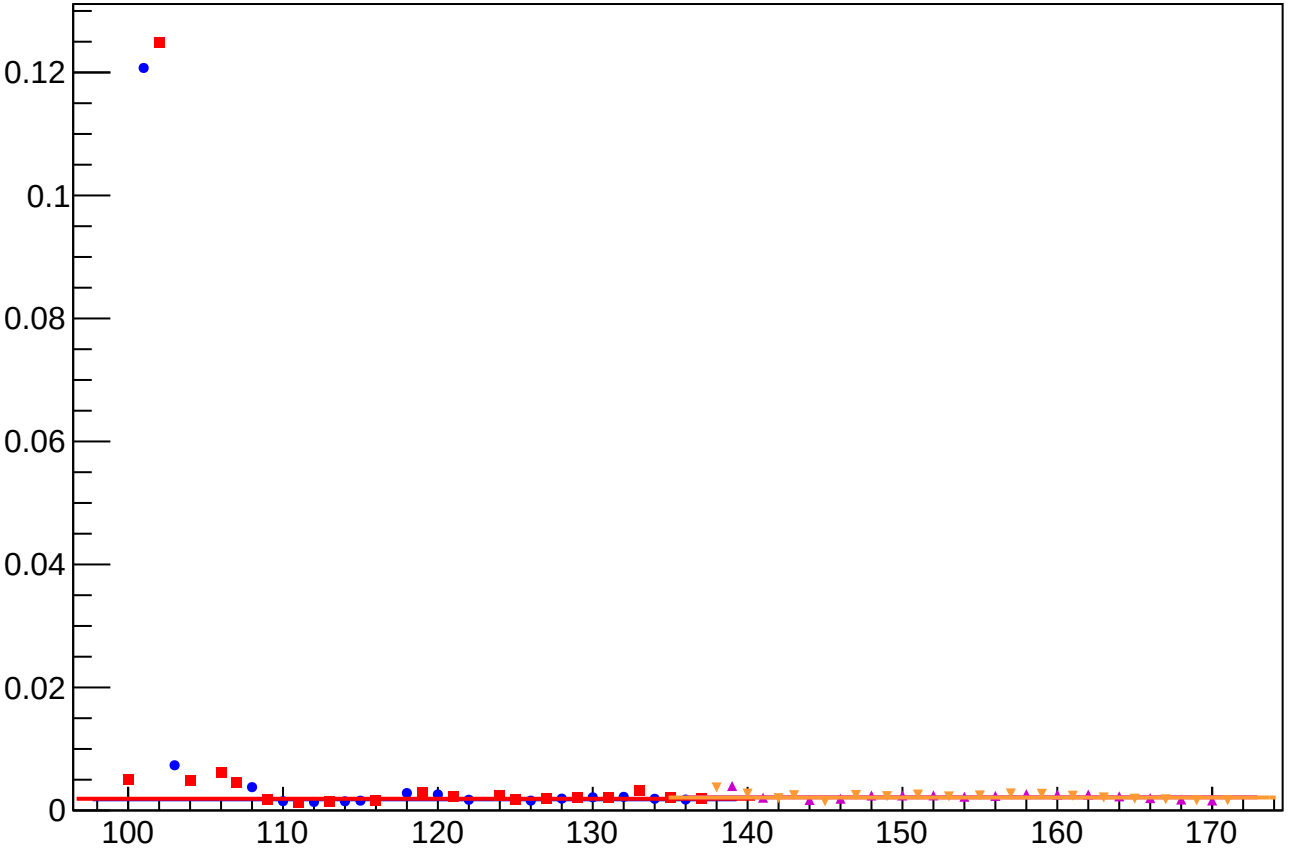
Right: 2.660+/-0.000 χ^2/NDF: 132934575870.3/34

In: 2.595+/-0.000 χ^2/NDF:110794248232.1/31

Out: 2.592+/-0.000 χ^2/NDF:131873556465.1/36

All: 2.594+/-0.000 χ^2/NDF: 242693839500.8

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1161121.8/17

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:890673.9/15

Left: 0.002+/-0.000 χ^2/NDF: 2055136.5/33

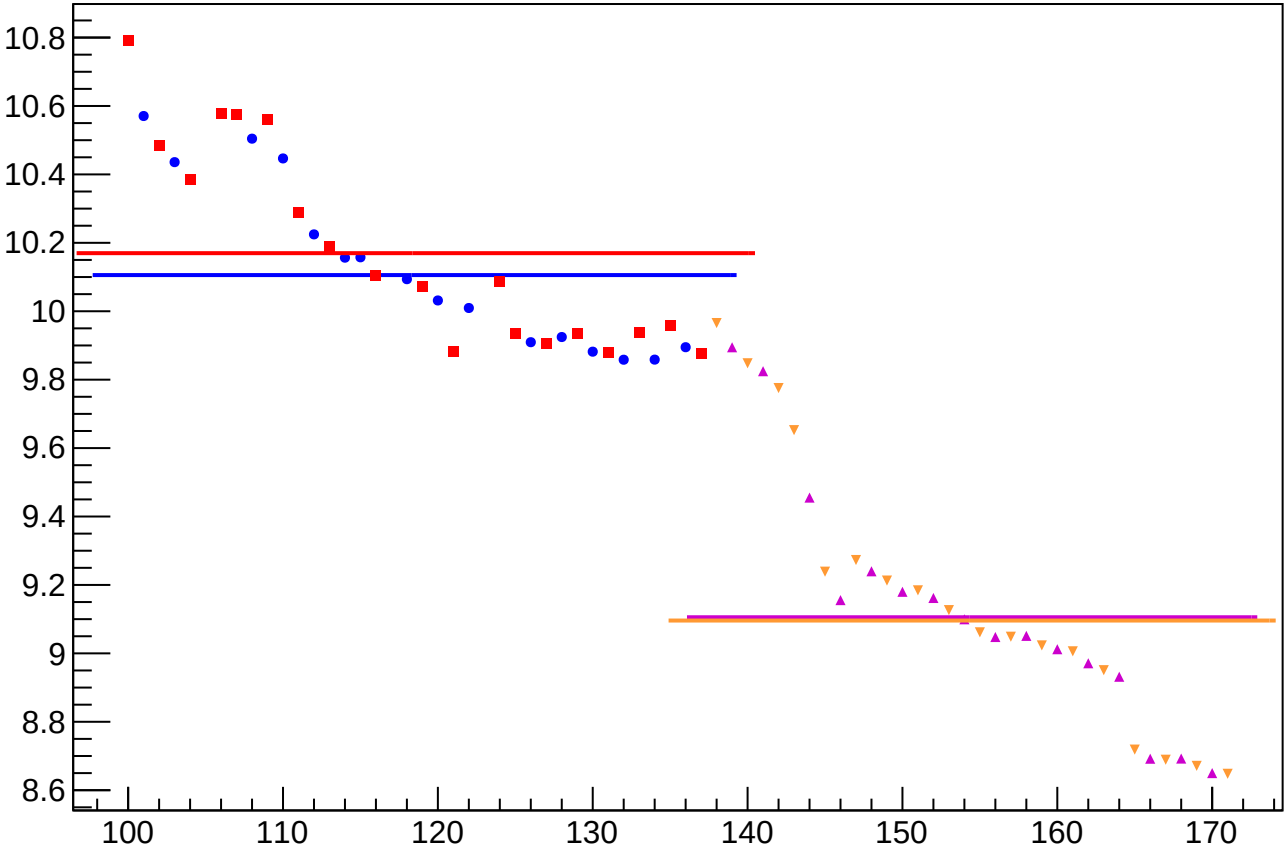
Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

In: 0.002+/-0.000 χ^2/NDF:2904143.6/31

Out: 0.002+/-0.000 χ^2/NDF:3763570.3/36

All: 0.002+/-0.000 χ^2/NDF: 6668744.3/68

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: 9.106+/-0.000 χ^2/NDF:28103068110.1/15

Left: 9.100+/-0.000 χ^2/NDF: 65356133921.5/33

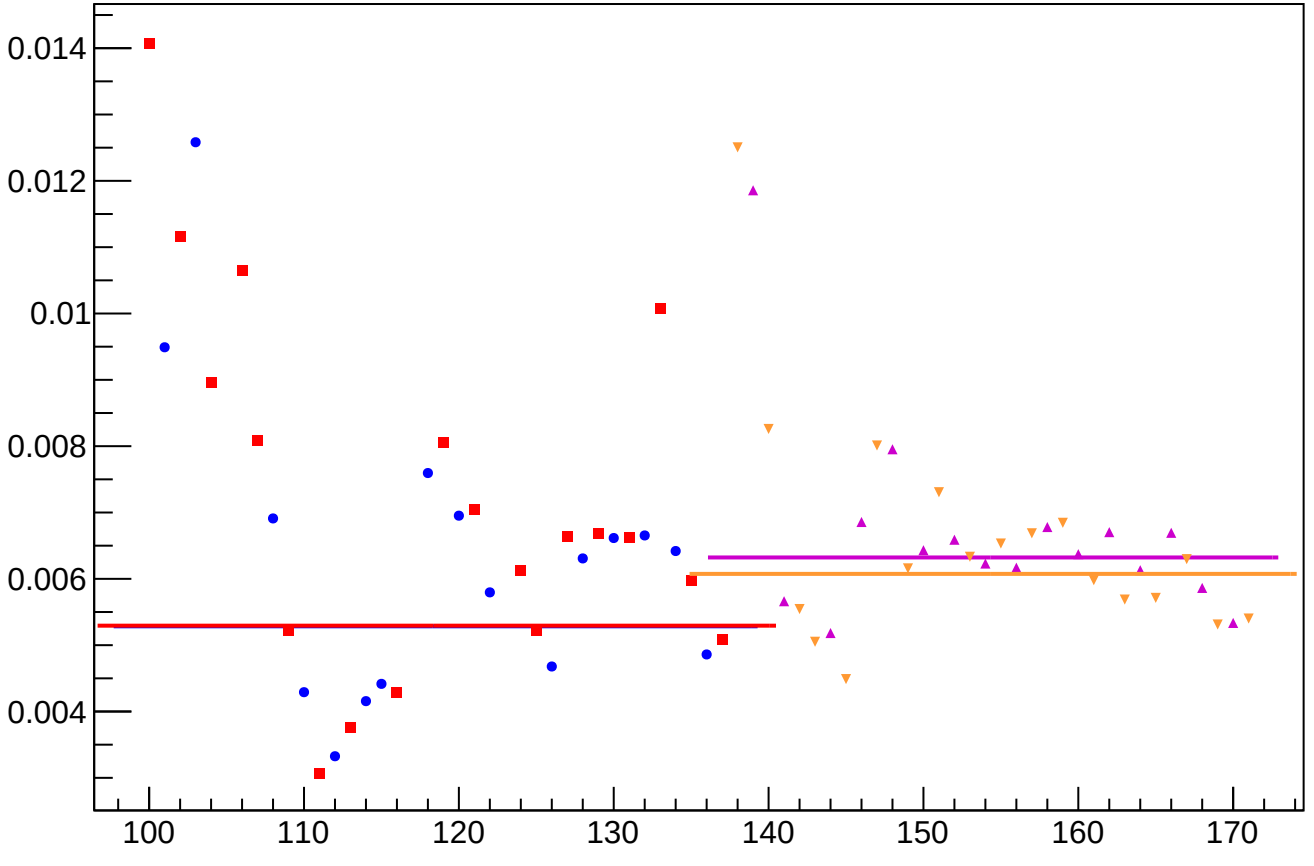
Right: 10.138+/-0.000 χ^2/NDF: 18662438112.6/34

In: 9.527+/-0.000 χ^2/NDF:149169234256.3/31

Out: 9.515+/-0.000 χ^2/NDF:184876042813.3/36

All: 9.521+/-0.000 χ^2/NDF: 334082959013.5

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:567864.1/15

Left: 0.006+/-0.000 χ^2/NDF: 1470980.8/33

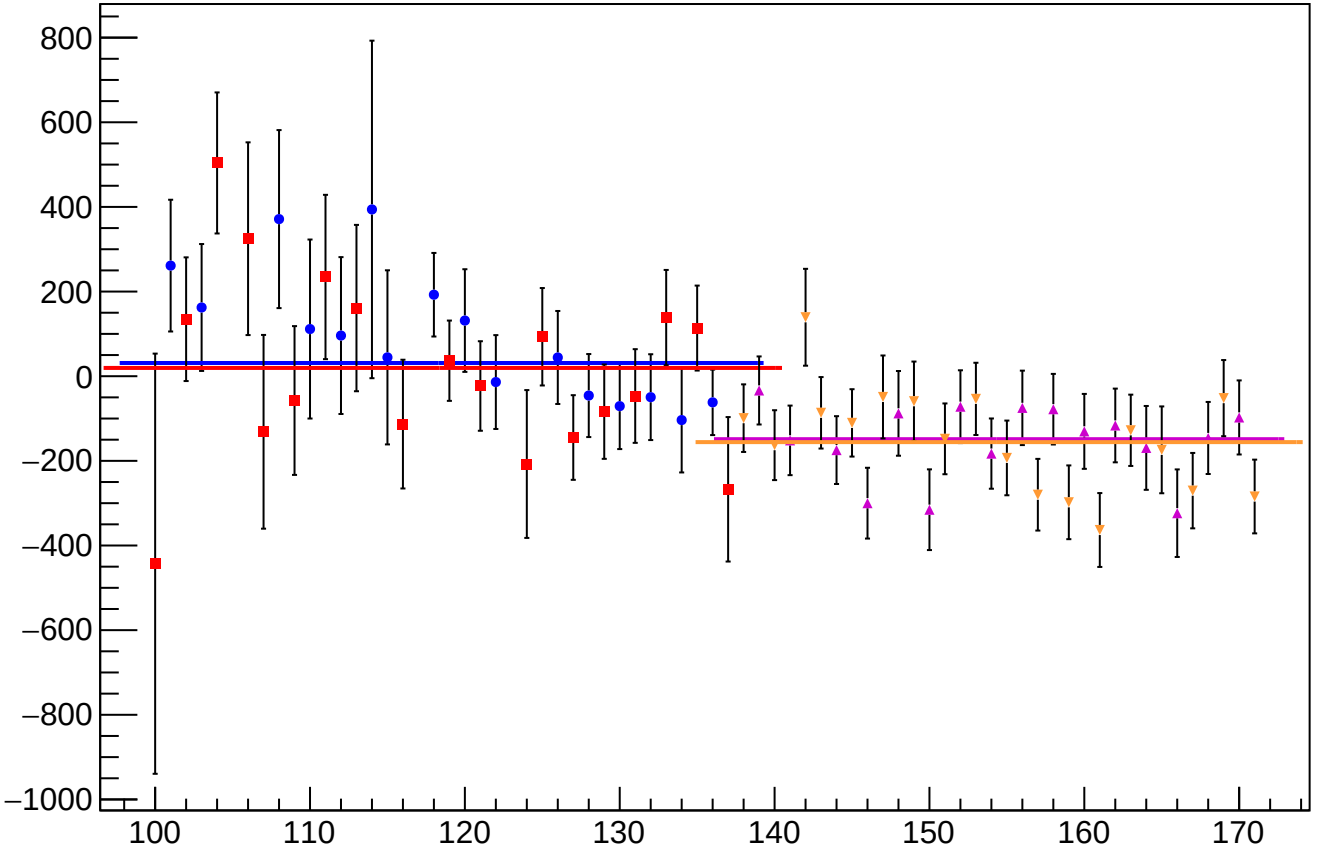
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2083006.0/31

Out: 0.006+/-0.000 χ^2/NDF:2824275.2/36

All: 0.006+/-0.000 χ^2/NDF: 4913587.2/68

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: -148.785+/-21.885 χ^2/NDF:14.7/15

Left: -152.437+/-15.055 χ^2/NDF: 42.5/33

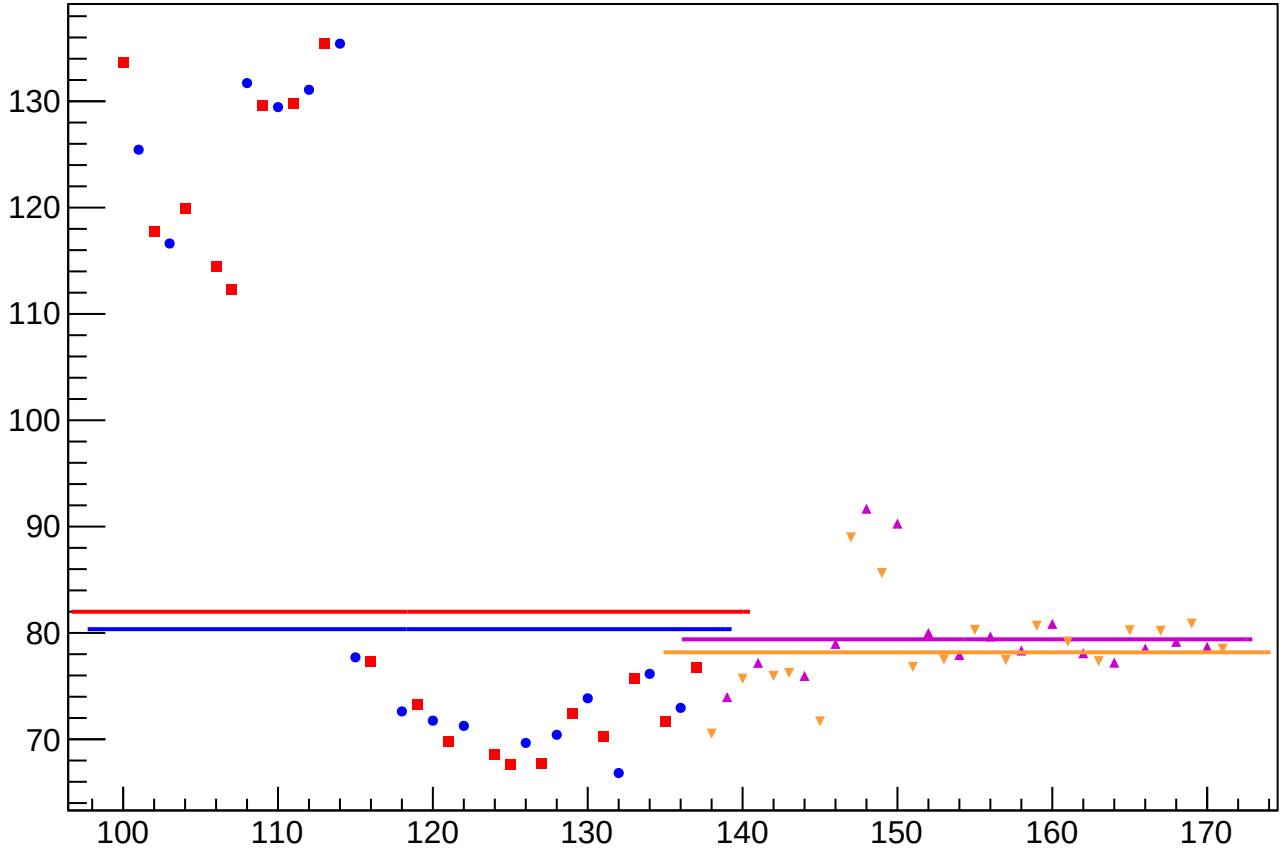
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -88.350+/-17.837 χ^2/NDF:52.5/31

Out: -101.651+/-17.249 χ^2/NDF:75.7/36

All: -95.223+/-12.400 χ^2/NDF: 128.5/68

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: 79.398+/-0.015 χ^2/NDF:73814.0/15

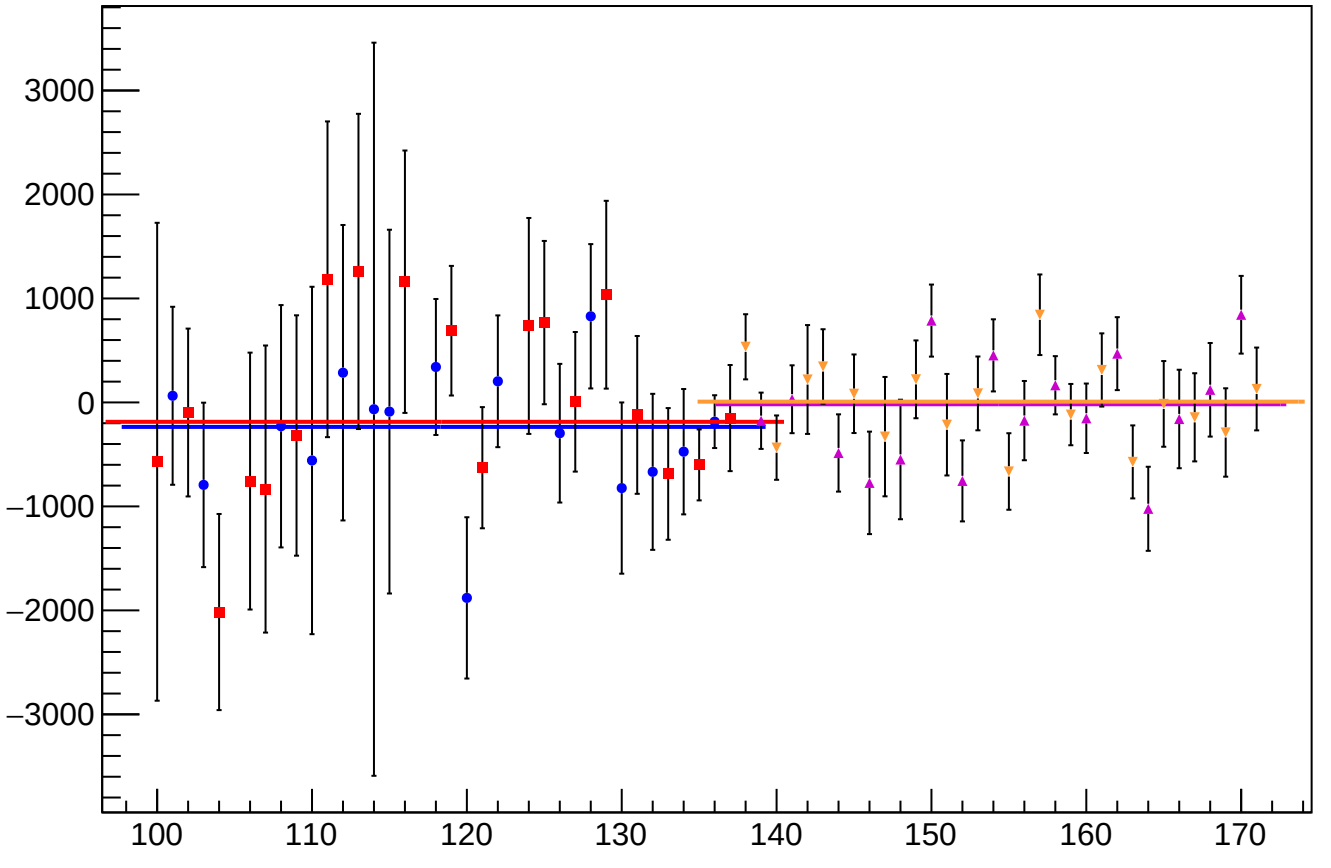
Left: 78.754+/-0.011 χ^2/NDF: 157095.8/33

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.719+/-0.013 χ^2/NDF:915133.4/31

Out: 79.353+/-0.012 χ^2/NDF:1033222.7/36

All: 79.530+/-0.009 χ^2/NDF: 1948791.4/68



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: -17.691+/-91.270 χ^2/NDF:30.3/15

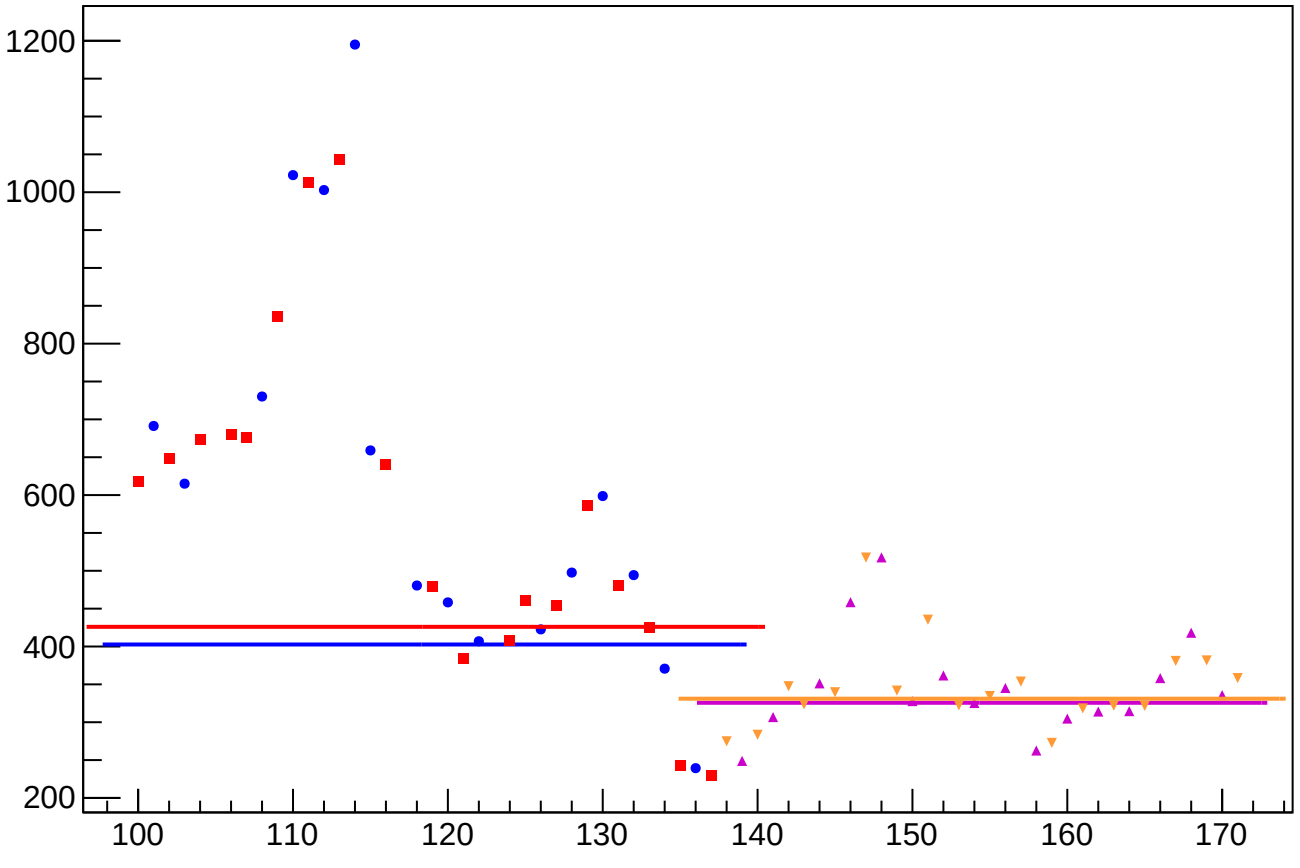
Left: -4.803+/-63.700 χ^2/NDF: 49.6/33

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -69.316+/-79.725 χ^2/NDF:41.6/31

Out: -34.117+/-78.849 χ^2/NDF:36.2/36

All: -51.522+/-56.062 χ^2/NDF: 77.9/68



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: 325.681+/-0.065 χ^2/NDF:776333.6/15

Left: 328.448+/-0.045 χ^2/NDF: 1356702.7/33

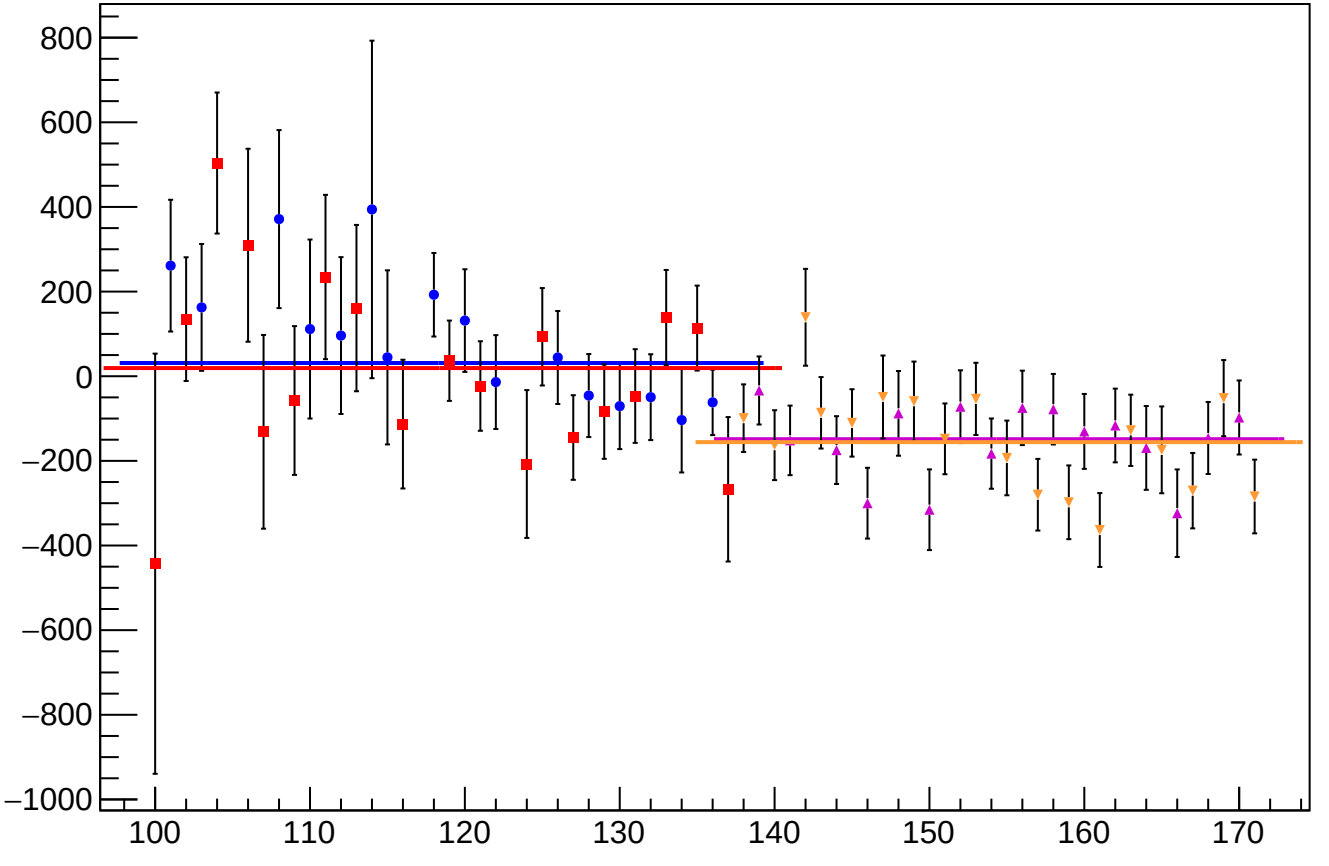
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 343.924+/-0.056 χ^2/NDF:3473580.4/31

Out: 351.397+/-0.056 χ^2/NDF:3433157.6/36

All: 347.702+/-0.040 χ^2/NDF: 6915621.2/68

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: -148.791+/-21.885 χ^2/NDF:14.7/15

Left: -152.438+/-15.055 χ^2/NDF: 42.5/33

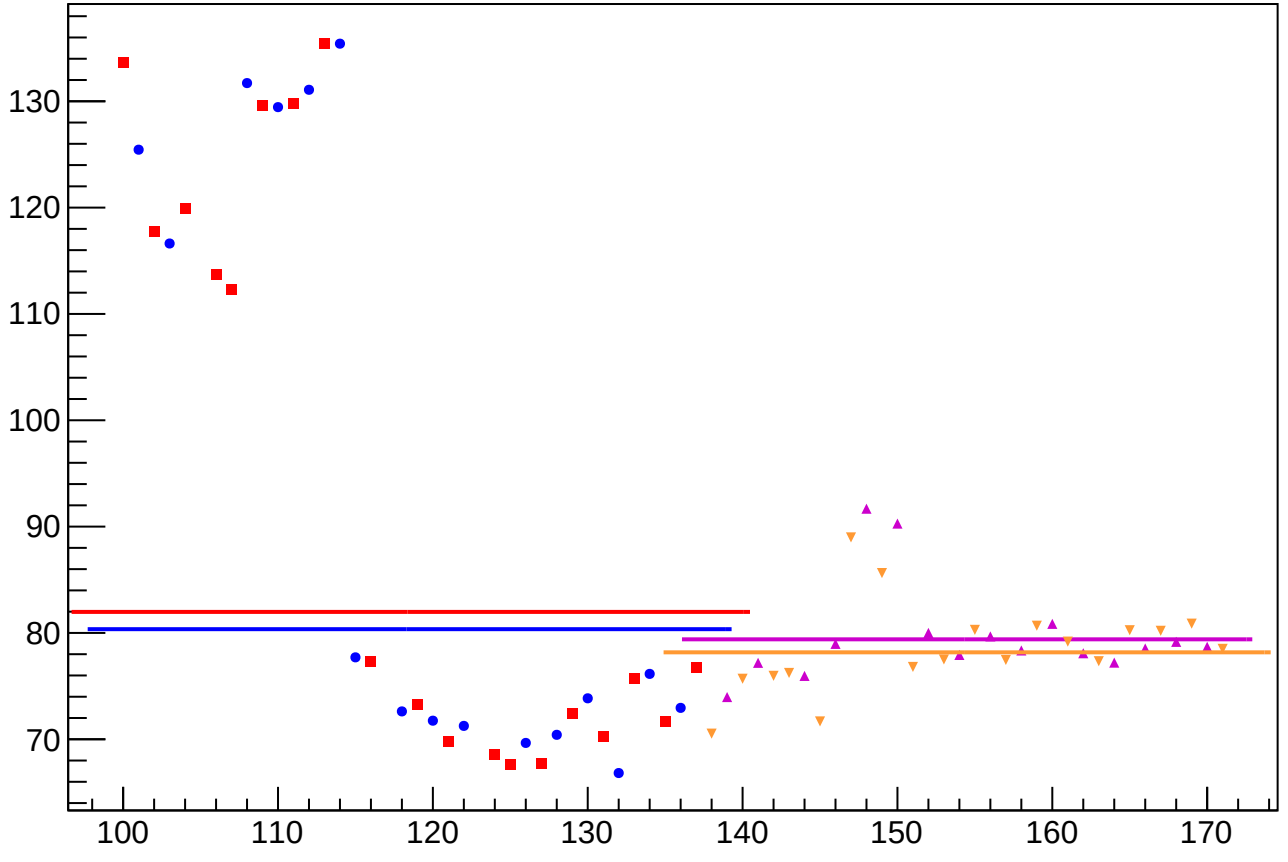
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -88.351+/-17.837 χ^2/NDF:52.5/31

Out: -101.741+/-17.249 χ^2/NDF:75.5/36

All: -95.270+/-12.400 χ^2/NDF: 128.2/68

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: 79.398+/-0.015 χ^2/NDF:73814.0/15

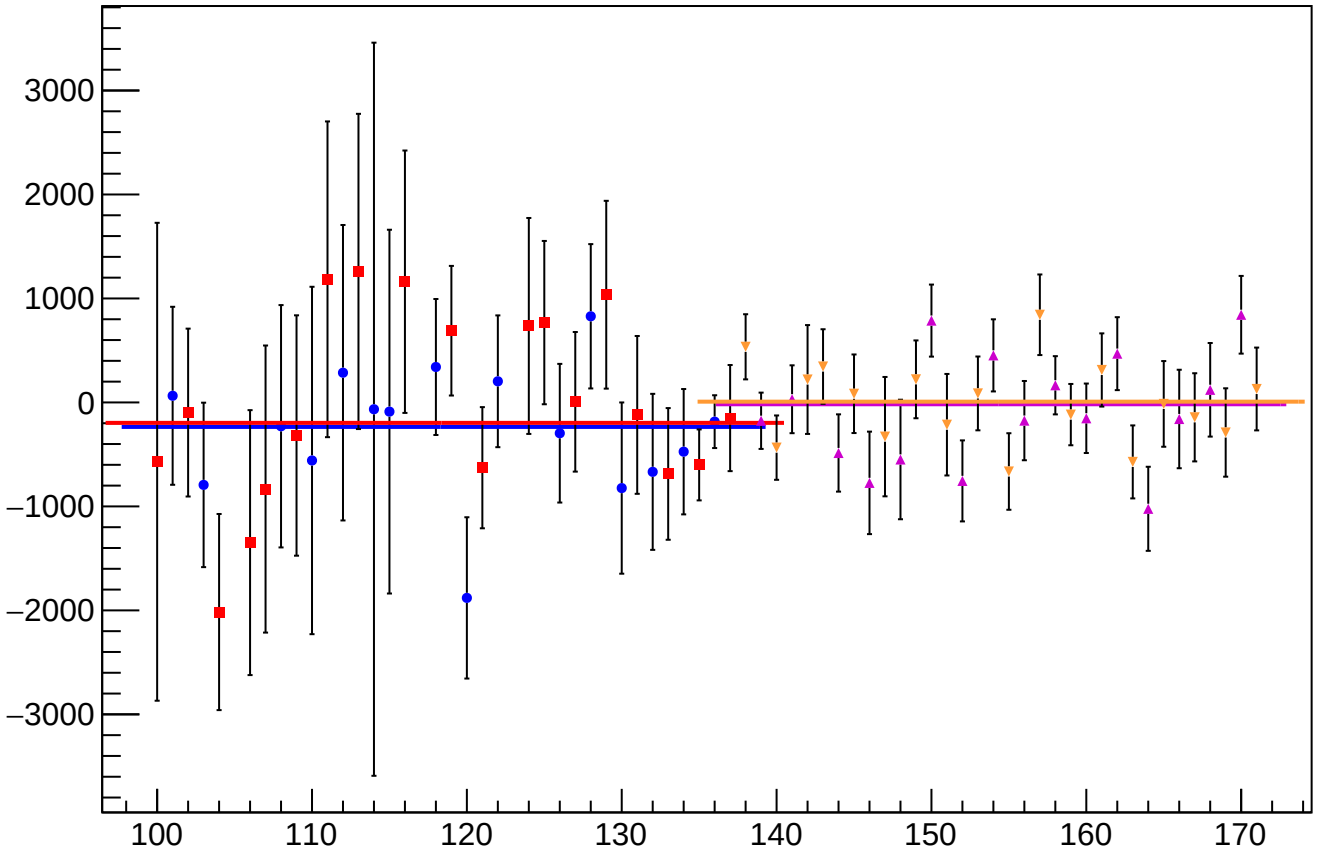
Left: 78.754+/-0.011 χ^2/NDF: 157095.8/33

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.719+/-0.013 χ^2/NDF:915133.5/31

Out: 79.348+/-0.012 χ^2/NDF:1031186.4/36

All: 79.528+/-0.009 χ^2/NDF: 1946766.4/68



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: -17.697+/-91.270 χ^2/NDF:30.3/15

Left: -4.806+/-63.700 χ^2/NDF: 49.6/33

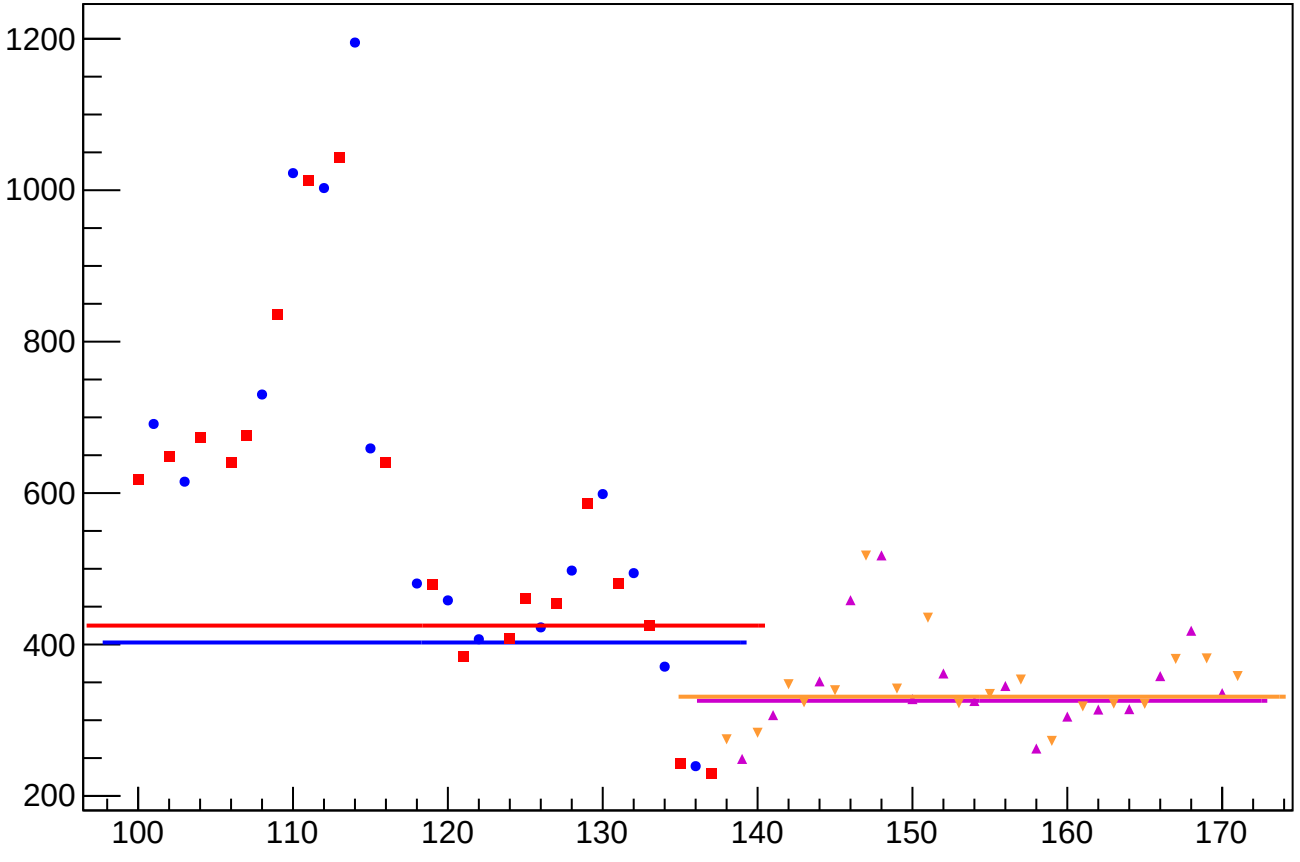
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -69.320+/-79.725 χ^2/NDF:41.6/31

Out: -36.210+/-78.859 χ^2/NDF:36.9/36

All: -52.585+/-56.065 χ^2/NDF: 78.7/68

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



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: 325.681+/-0.065 χ^2/NDF:776333.4/15

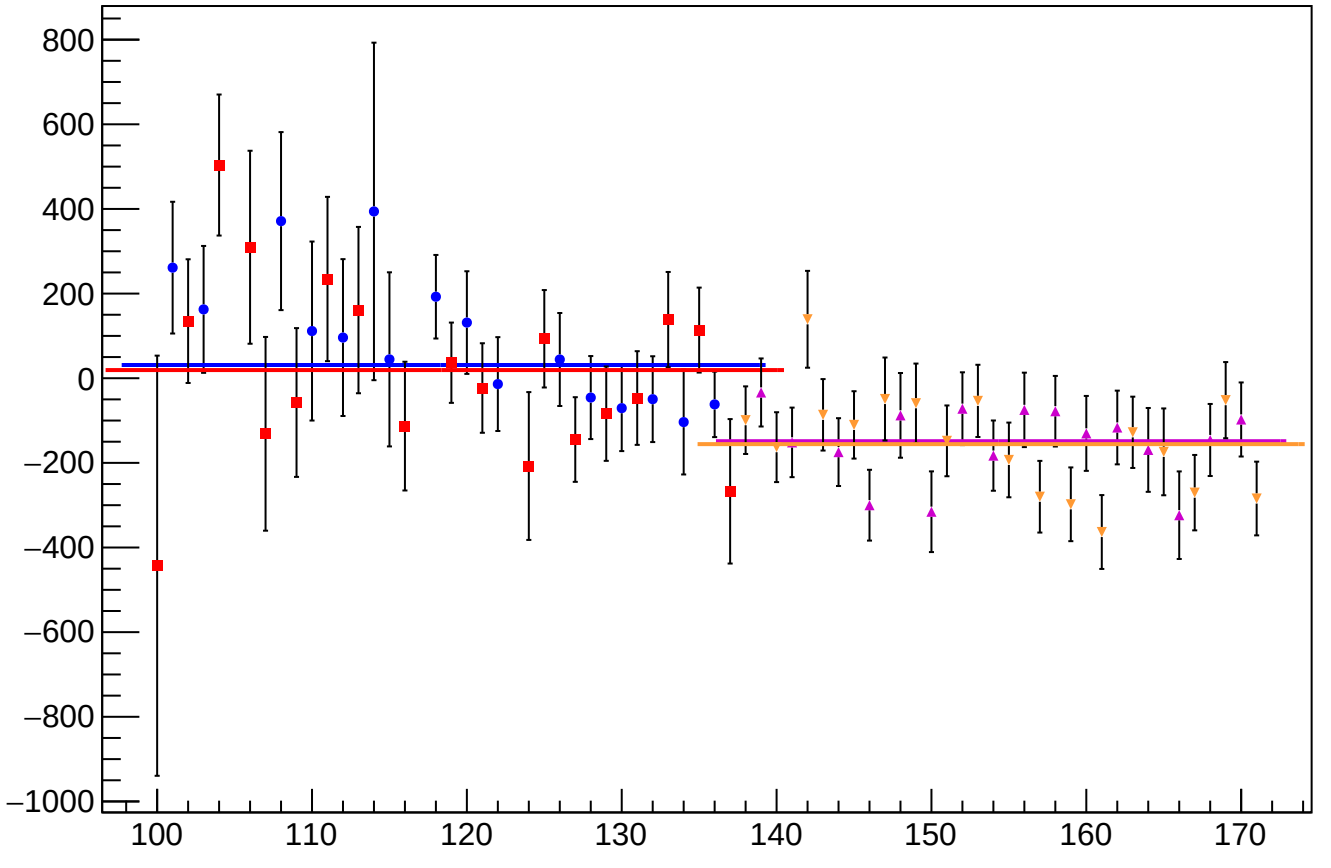
Left: 328.448+/-0.045 χ^2/NDF: 1356710.3/33

Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 343.925+/-0.056 χ^2/NDF:3473576.5/31

Out: 351.167+/-0.056 χ^2/NDF:3394831.1/36

All: 347.585+/-0.040 χ^2/NDF: 6876749.5/68



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: -148.791+/-21.885 χ^2/NDF:14.7/15

Left: -152.438+/-15.055 χ^2/NDF: 42.5/33

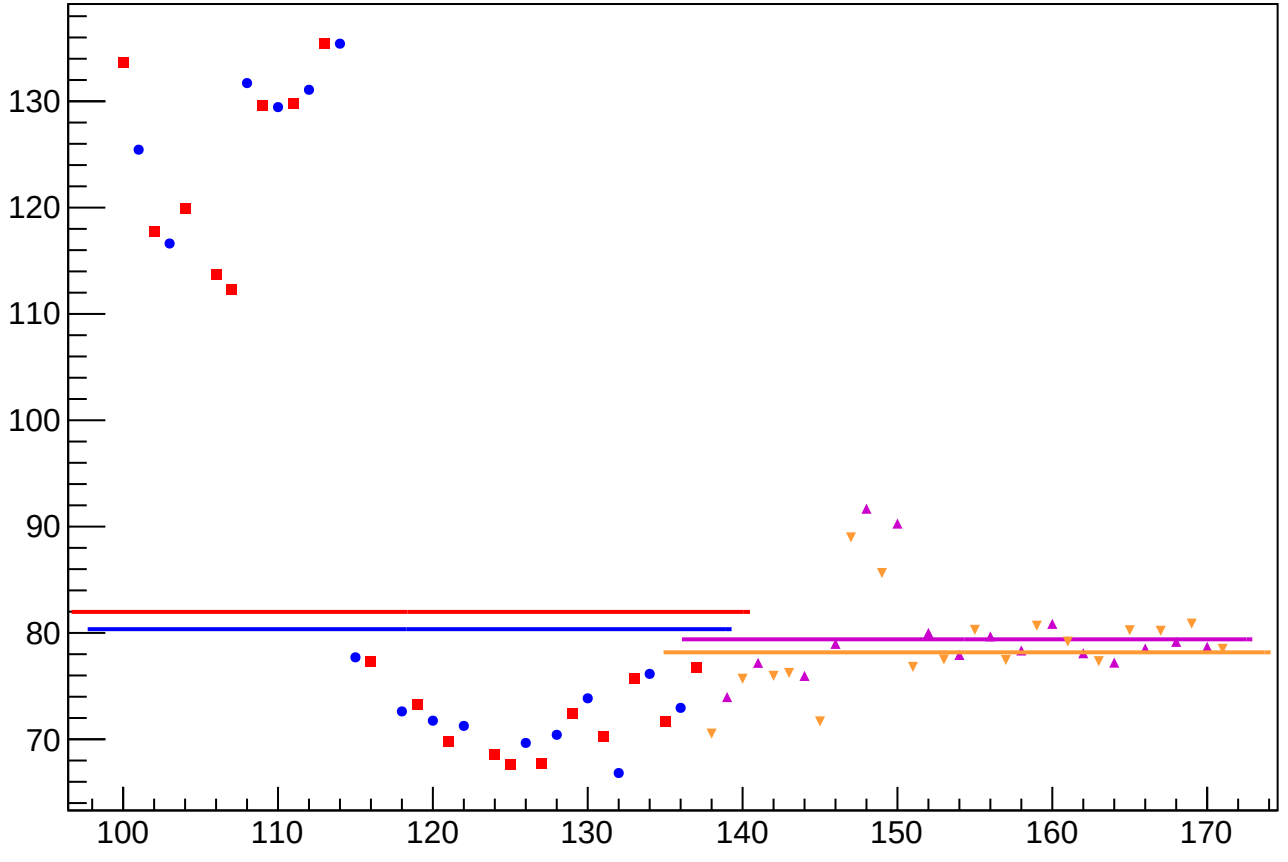
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -88.351+/-17.837 χ^2/NDF:52.5/31

Out: -101.741+/-17.249 χ^2/NDF:75.5/36

All: -95.270+/-12.400 χ^2/NDF: 128.2/68

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: 79.398+/-0.015 χ^2/NDF:73814.0/15

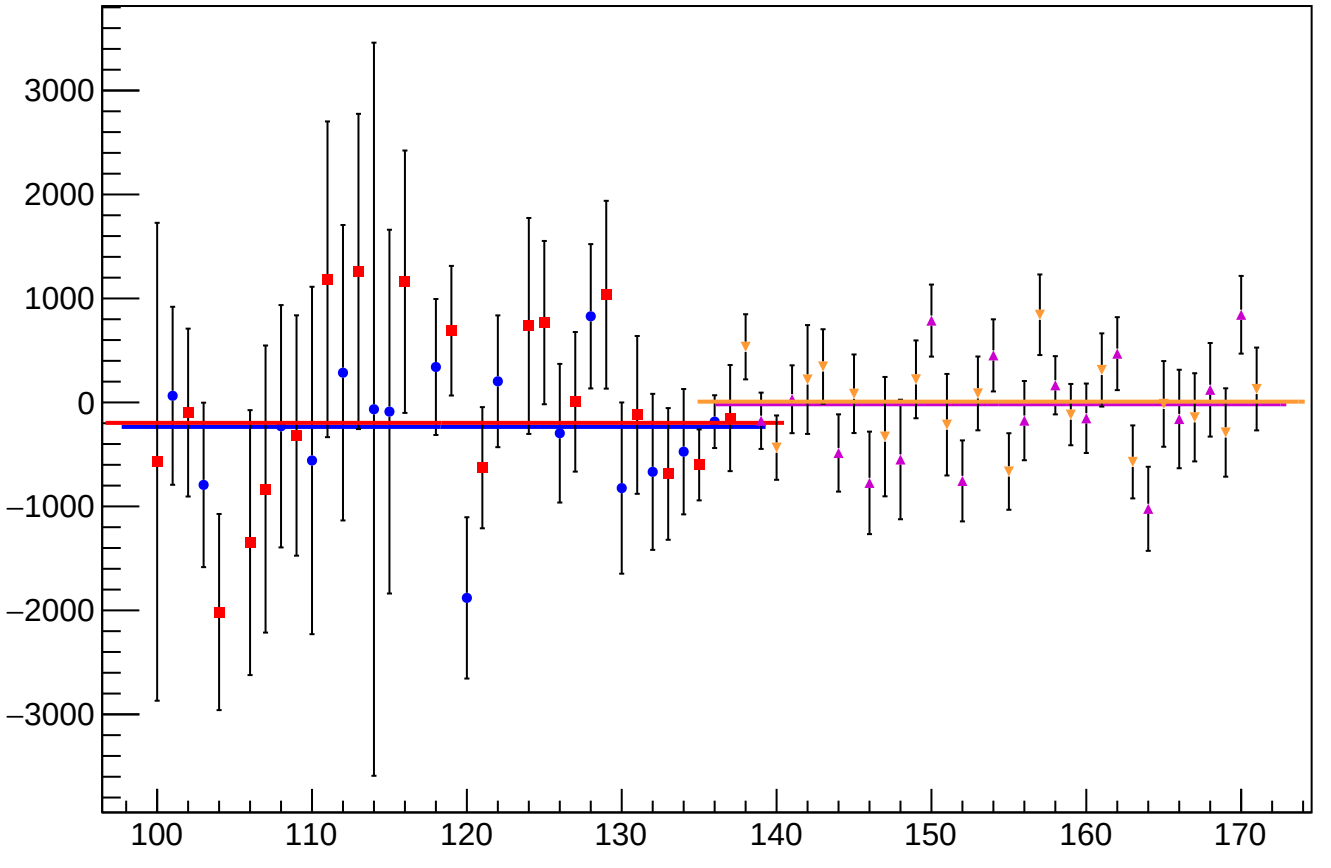
Left: 78.754+/-0.011 χ^2/NDF: 157095.8/33

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.719+/-0.013 χ^2/NDF:915133.5/31

Out: 79.348+/-0.012 χ^2/NDF:1031186.4/36

All: 79.528+/-0.009 χ^2/NDF: 1946766.4/68



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: -17.697+/-91.270 χ^2/NDF:30.3/15

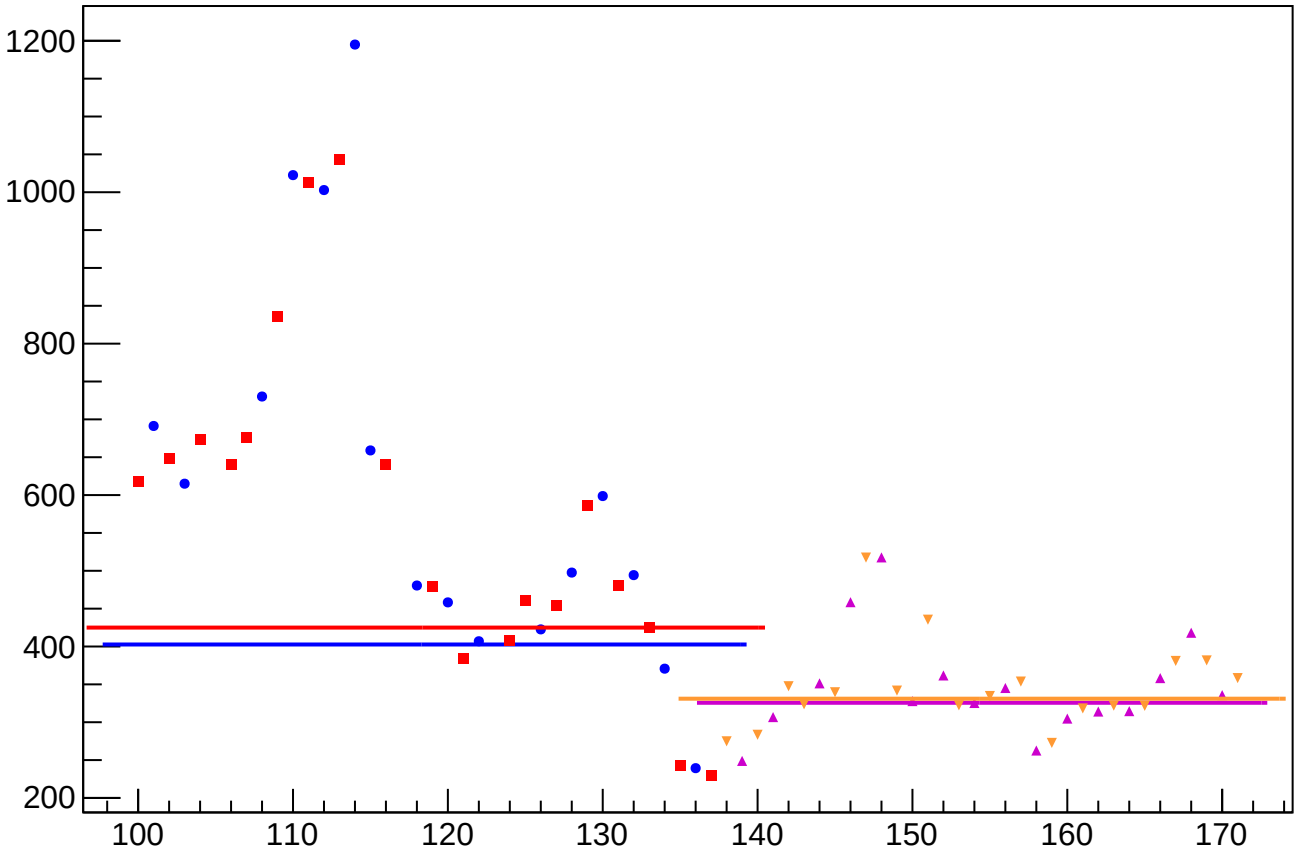
Left: -4.806+/-63.700 χ^2/NDF: 49.6/33

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -69.320+/-79.725 χ^2/NDF:41.6/31

Out: -36.210+/-78.859 χ^2/NDF:36.9/36

All: -52.585+/-56.065 χ^2/NDF: 78.7/68



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: 325.681+/-0.065 χ^2/NDF:776333.4/15

Left: 328.448+/-0.045 χ^2/NDF: 1356710.3/33

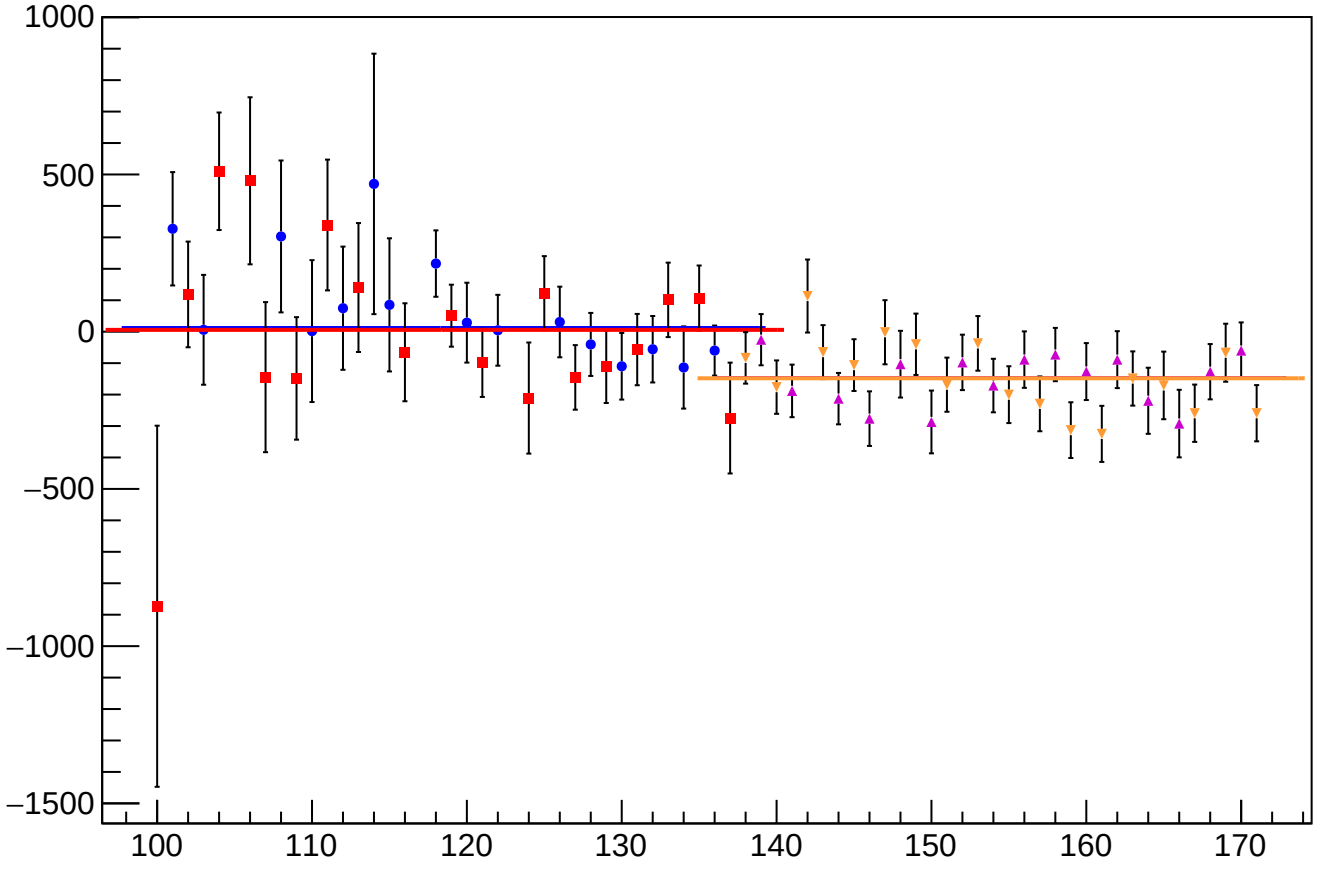
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 343.925+/-0.056 χ^2/NDF:3473576.5/31

Out: 351.167+/-0.056 χ^2/NDF:3394831.1/36

All: 347.585+/-0.040 χ^2/NDF: 6876749.5/68

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: -147.216+/-22.527 χ^2/NDF:12.8/15

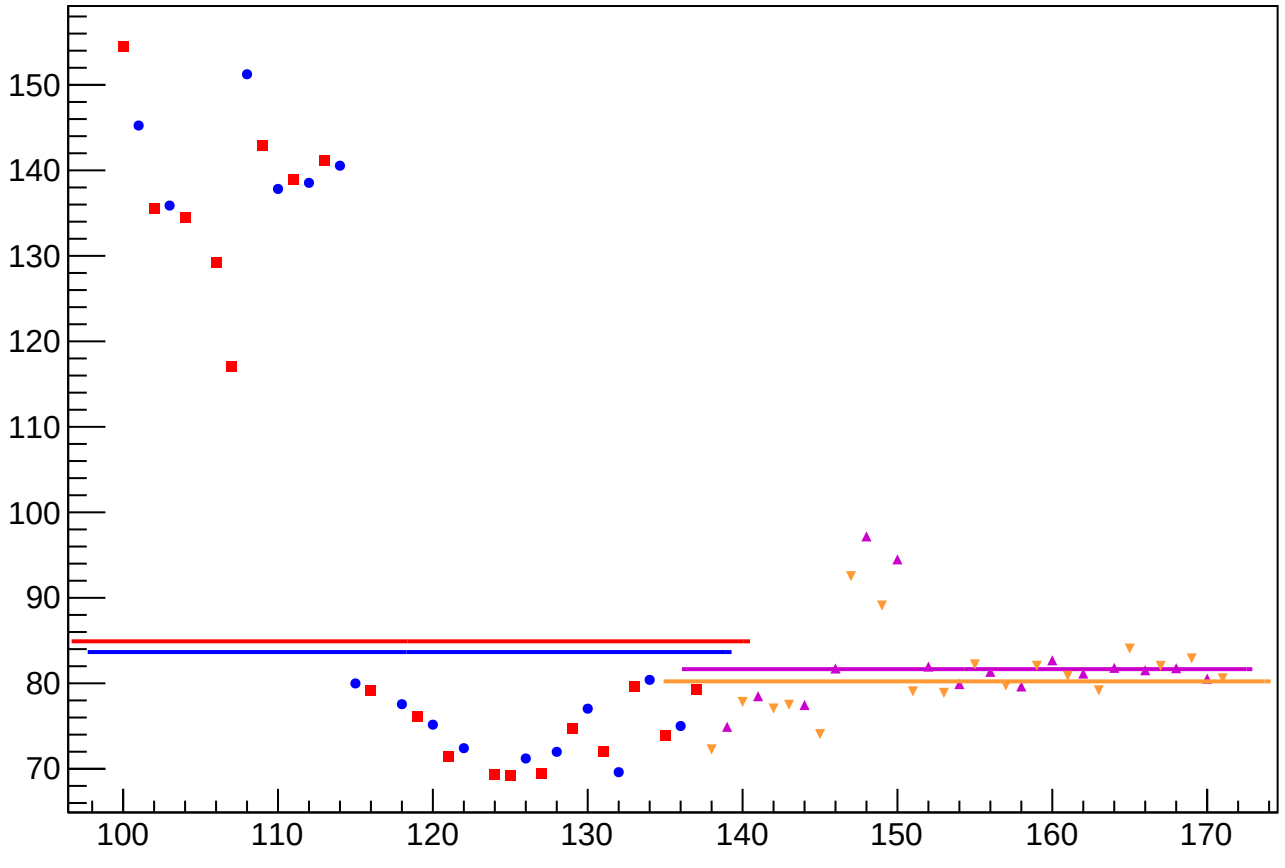
Left: -147.707+/-15.474 χ^2/NDF: 37.3/33

Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.224+/-18.476 χ^2/NDF:42.6/31

Out: -101.794+/-17.801 χ^2/NDF:69.0/36

All: -98.631+/-12.819 χ^2/NDF: 111.7/68



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: 81.659+/-0.016 χ^2/NDF:100464.6/15

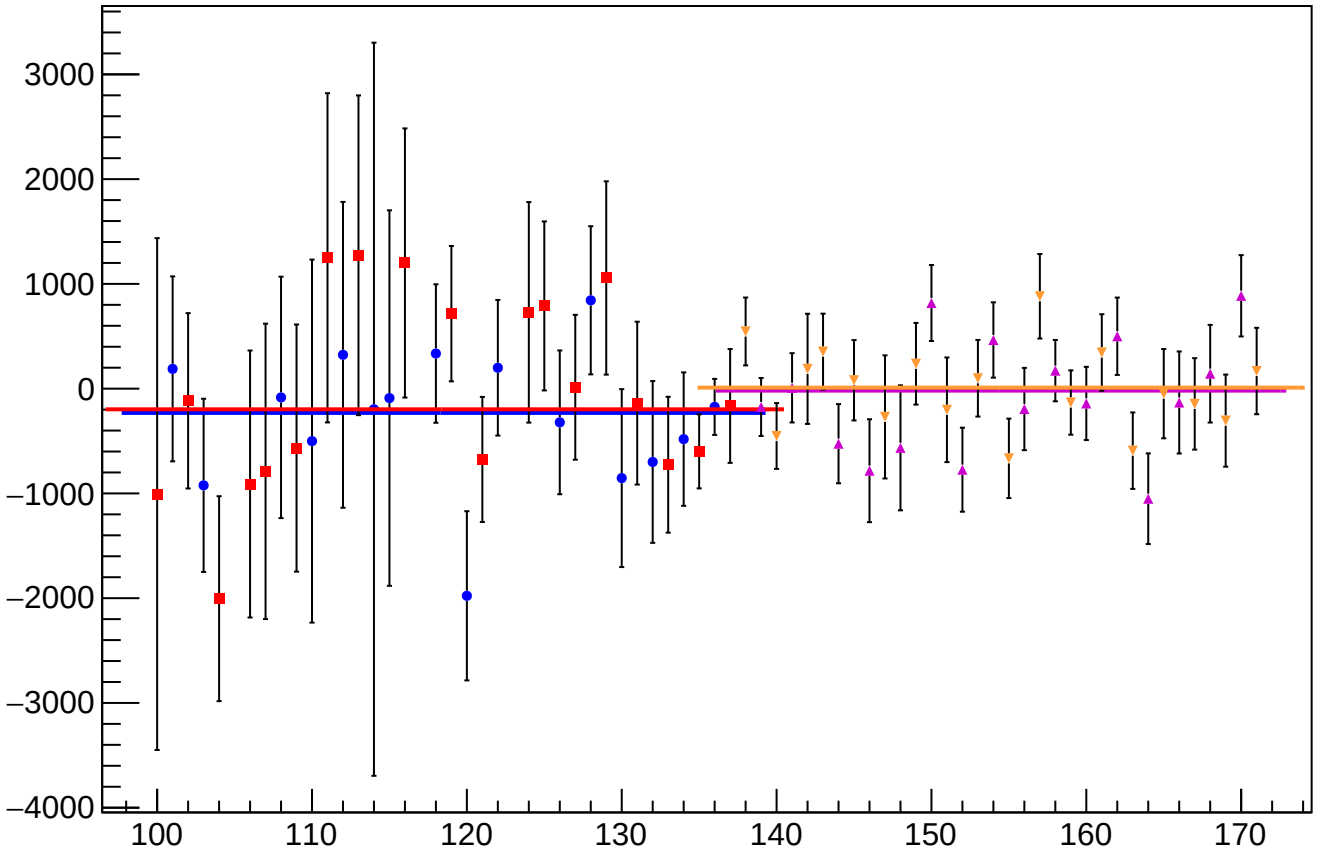
Left: 80.903+/-0.011 χ^2/NDF: 193840.5/33

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.313+/-0.013 χ^2/NDF:1140410.1/31

Out: 81.638+/-0.013 χ^2/NDF:1239936.2/36

All: 81.963+/-0.009 χ^2/NDF: 2381728.6/68



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: -18.607+/-94.411 χ^2/NDF:30.1/15

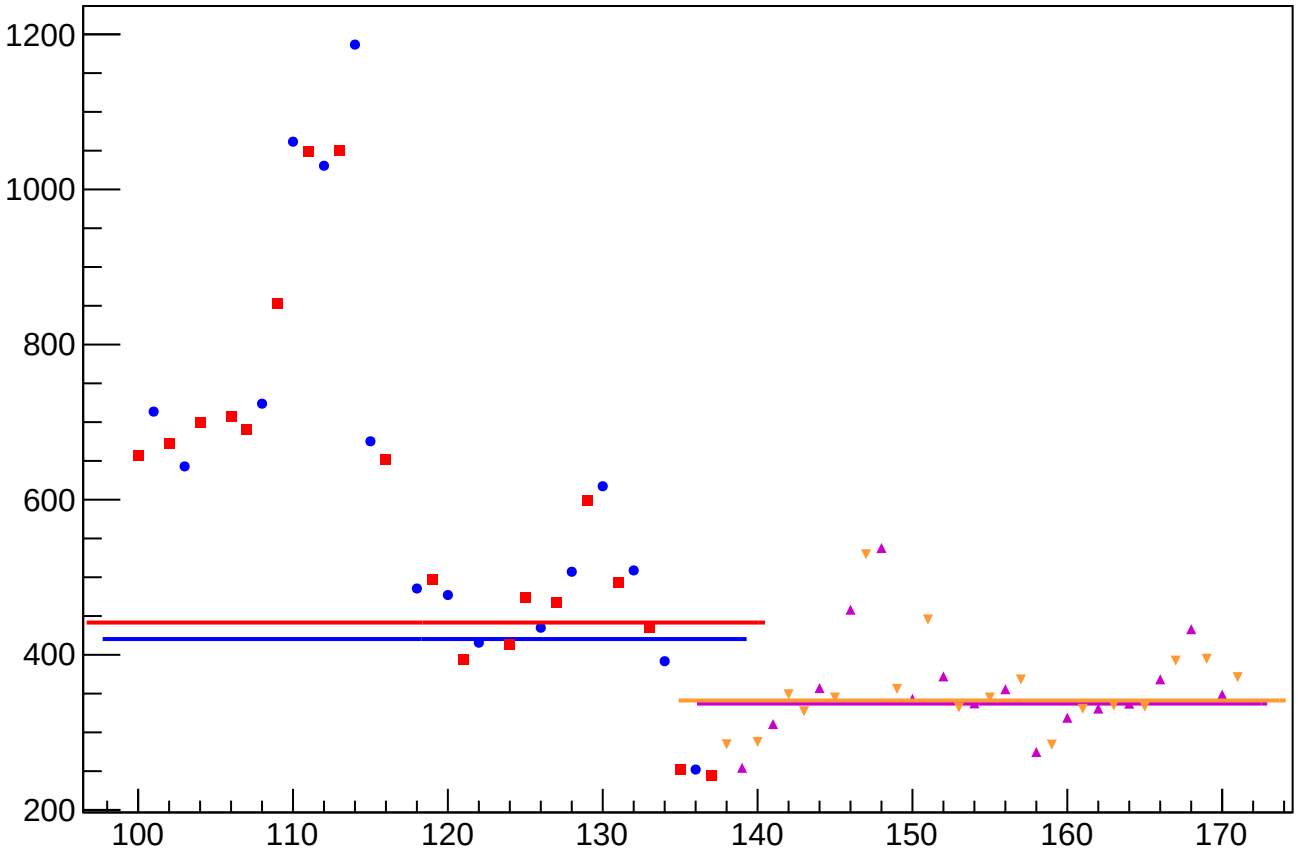
Left: -3.969+/-65.747 χ^2/NDF: 49.3/33

Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -68.709+/-82.552 χ^2/NDF:41.7/31

Out: -34.284+/-81.271 χ^2/NDF:36.2/36

All: -51.227+/-57.915 χ^2/NDF: 77.9/68



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: 337.121+/-0.067 χ^2/NDF:756571.6/15

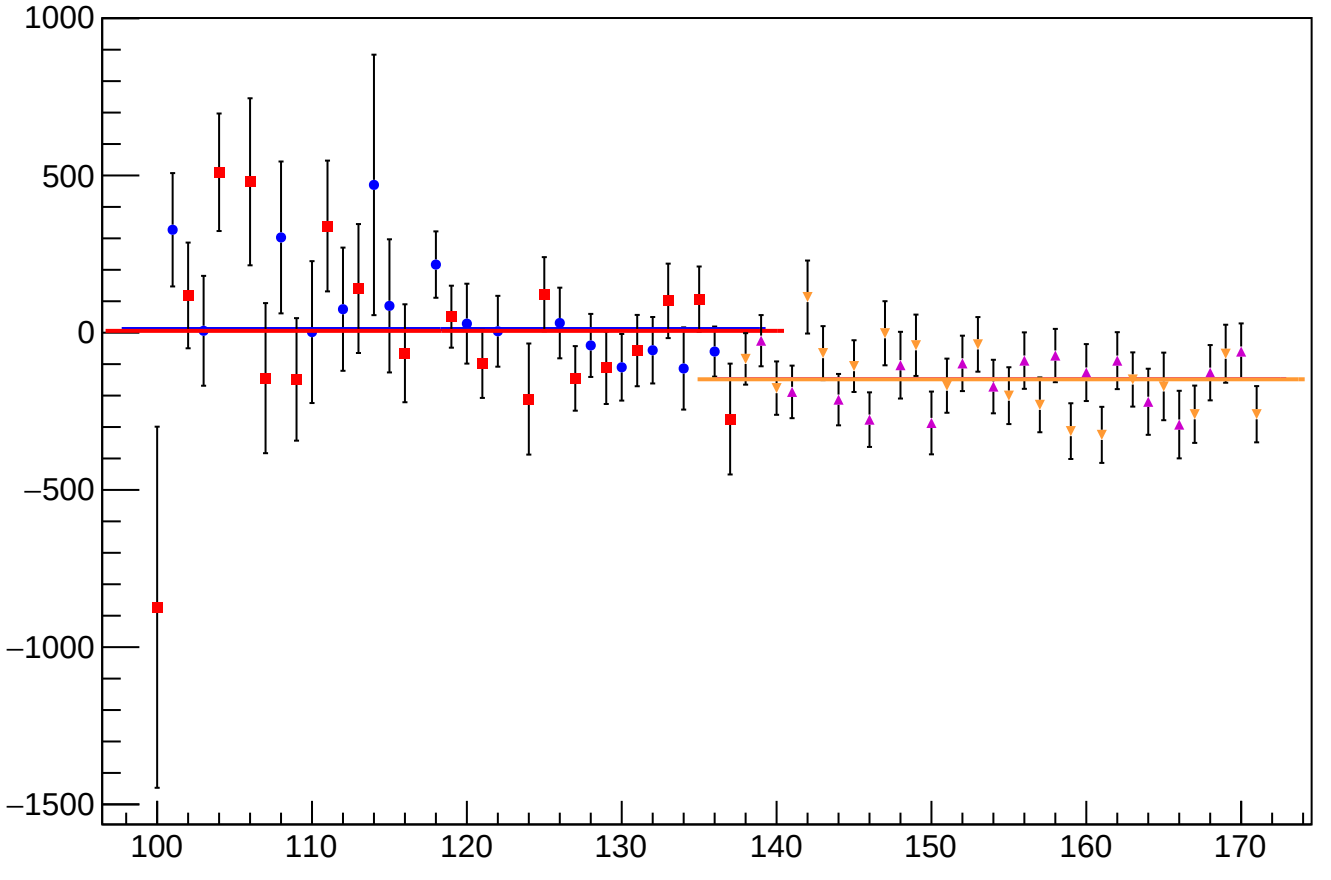
Left: 339.178+/-0.046 χ^2/NDF: 1327059.0/33

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 356.711+/-0.058 χ^2/NDF:3376946.7/31

Out: 362.519+/-0.057 χ^2/NDF:3388746.4/36

All: 359.661+/-0.041 χ^2/NDF: 6770719.4/68



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: -147.216+/-22.527 χ^2/NDF:12.8/15

Left: -147.707+/-15.474 χ^2/NDF: 37.3/33

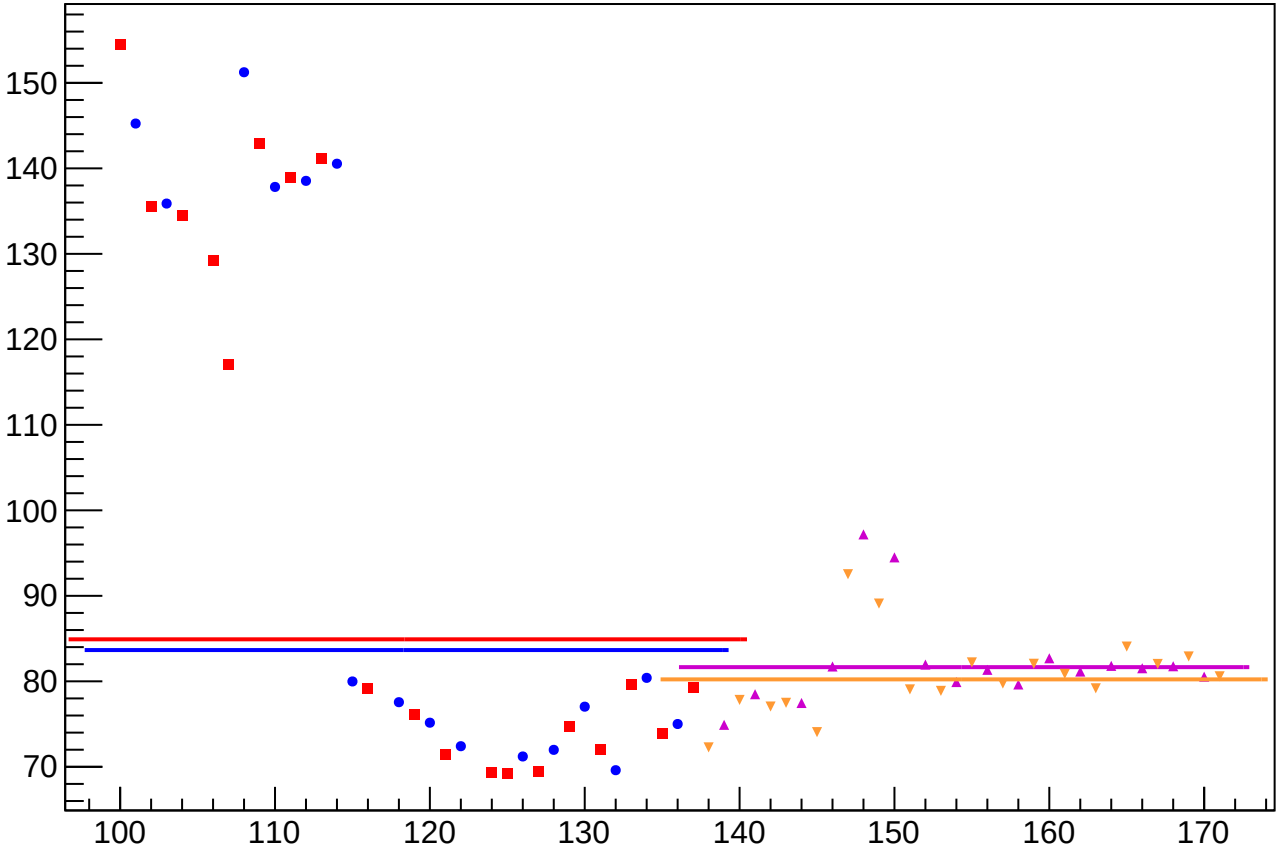
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -95.224+/-18.476 χ^2/NDF:42.6/31

Out: -101.794+/-17.801 χ^2/NDF:69.0/36

All: -98.631+/-12.819 χ^2/NDF: 111.7/68

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: 81.659+/-0.016 χ^2/NDF:100463.8/15

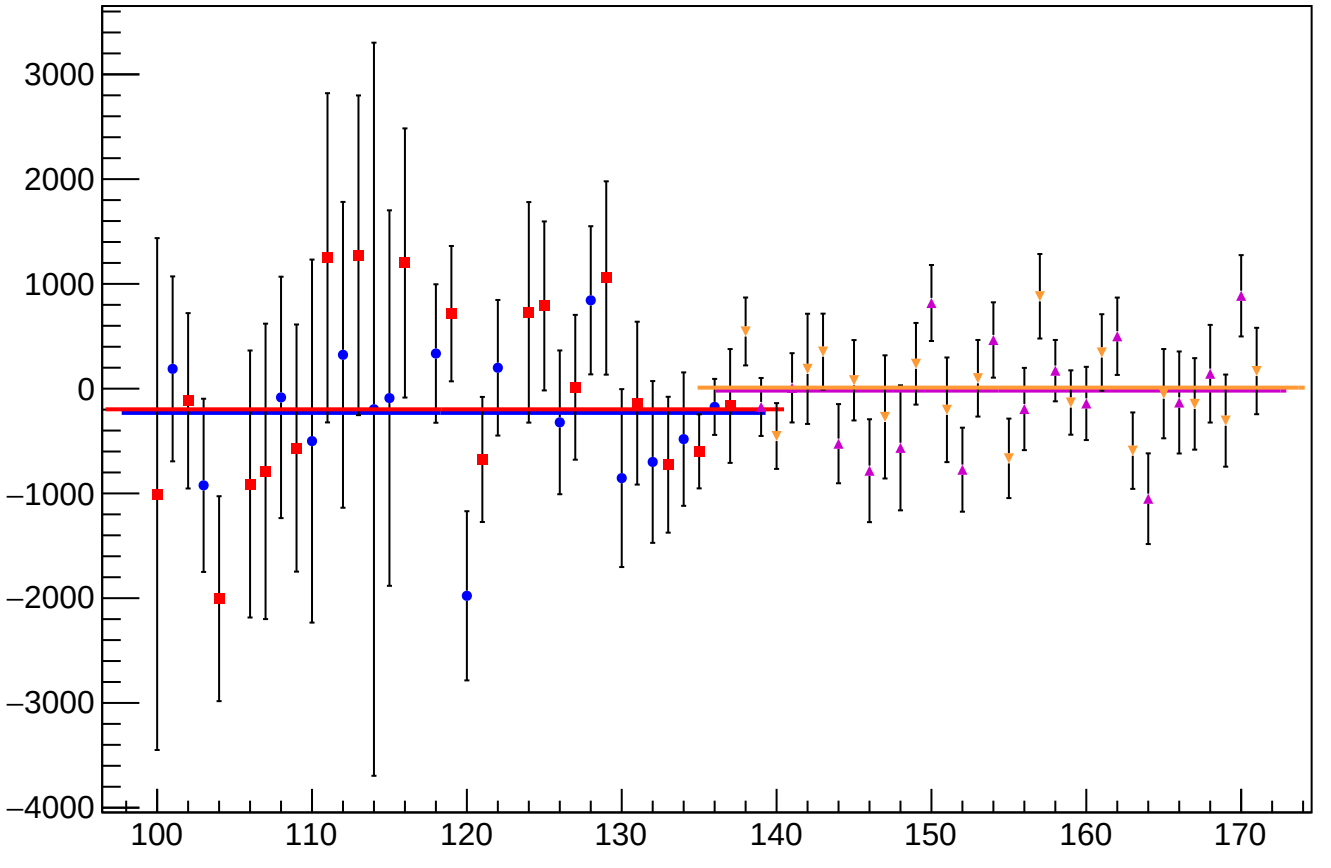
Left: 80.903+/-0.011 χ^2/NDF: 193839.1/33

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.313+/-0.013 χ^2/NDF:1140408.6/31

Out: 81.638+/-0.013 χ^2/NDF:1239933.8/36

All: 81.963+/-0.009 χ^2/NDF: 2381724.6/68



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: -18.608+/-94.411 χ^2/NDF:30.1/15

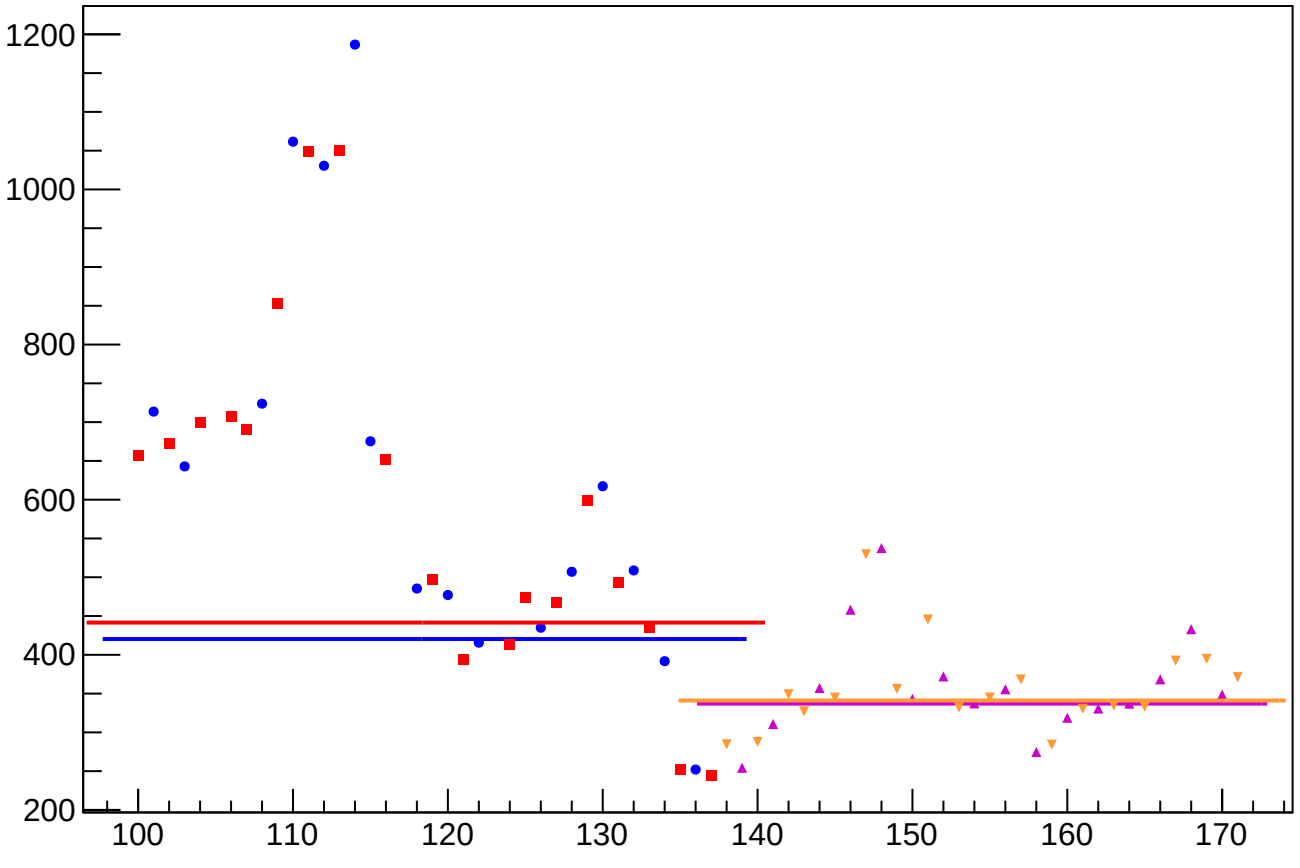
Left: -3.969+/-65.747 χ^2/NDF: 49.3/33

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -68.709+/-82.552 χ^2/NDF:41.7/31

Out: -34.283+/-81.271 χ^2/NDF:36.2/36

All: -51.227+/-57.915 χ^2/NDF: 77.9/68



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: 337.120+/-0.067 χ^2/NDF:756573.8/15

Left: 339.178+/-0.046 χ^2/NDF: 1327061.6/33

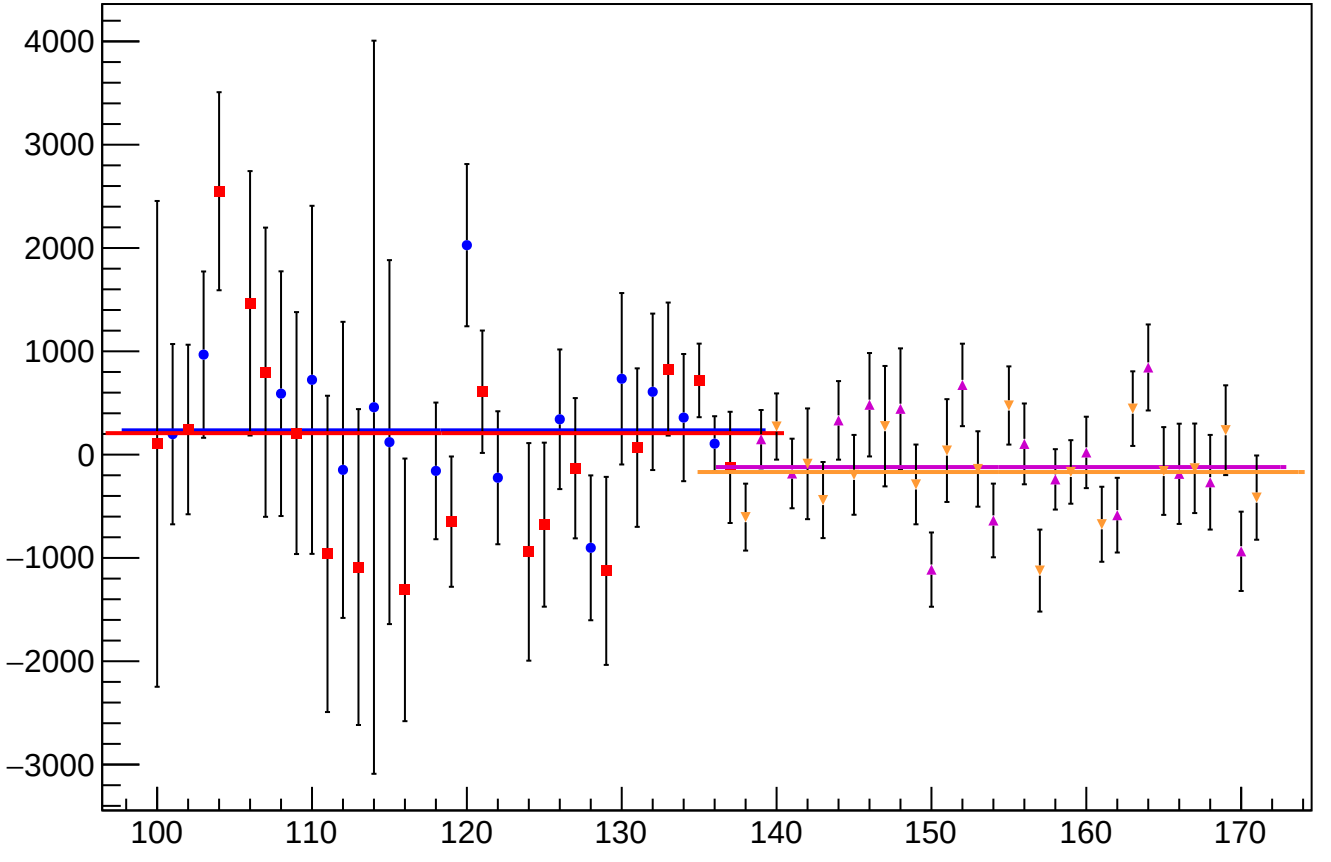
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 356.711+/-0.058 χ^2/NDF:3376950.0/31

Out: 362.519+/-0.057 χ^2/NDF:3388747.6/36

All: 359.660+/-0.041 χ^2/NDF: 6770723.9/68

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: -120.377+/-94.126 χ^2/NDF:30.8/15

Left: -145.050+/-65.624 χ^2/NDF: 50.8/33

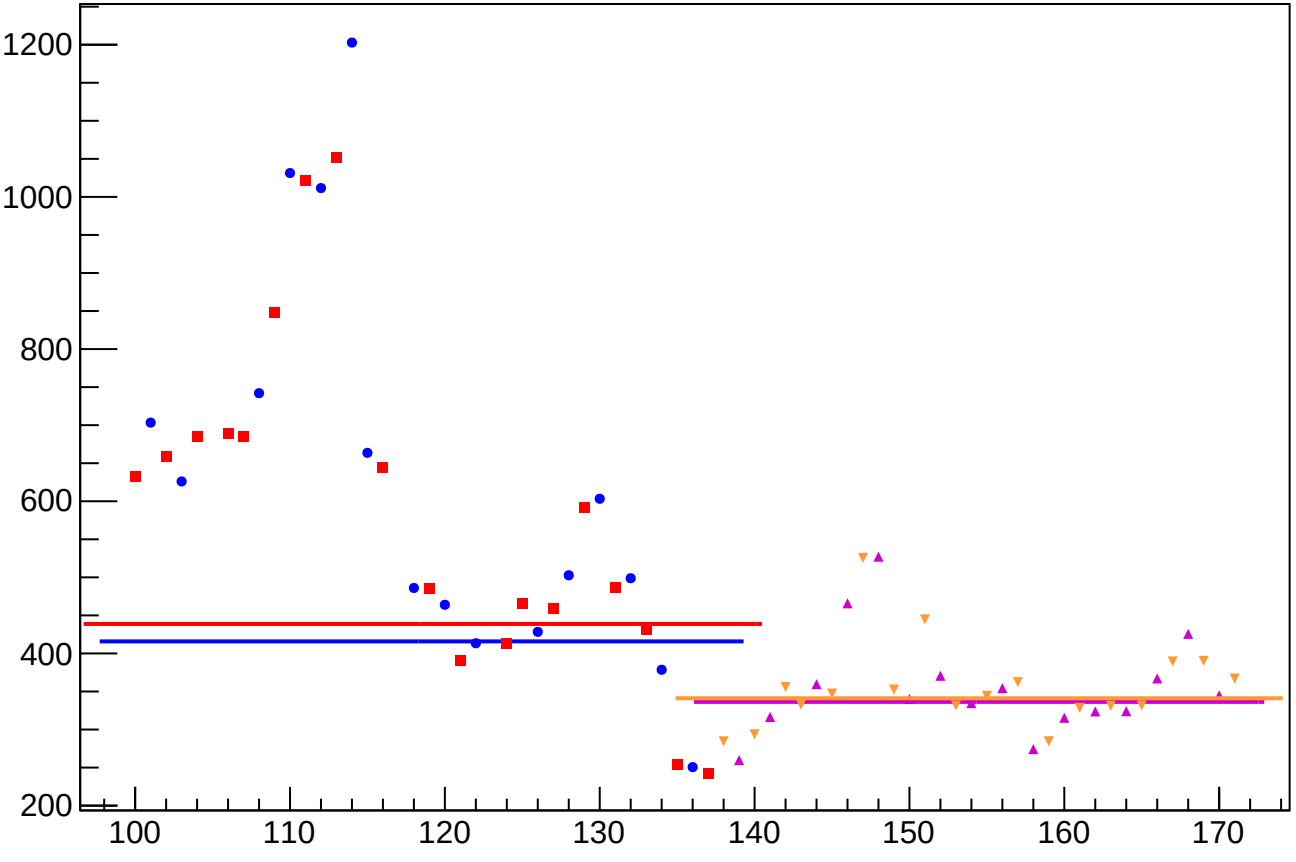
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -35.613+/-82.139 χ^2/NDF:44.8/31

Out: -87.333+/-81.085 χ^2/NDF:43.9/36

All: -61.807+/-57.705 χ^2/NDF: 88.9/68

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: 336.360+/-0.067 χ^2/NDF:714374.0/15

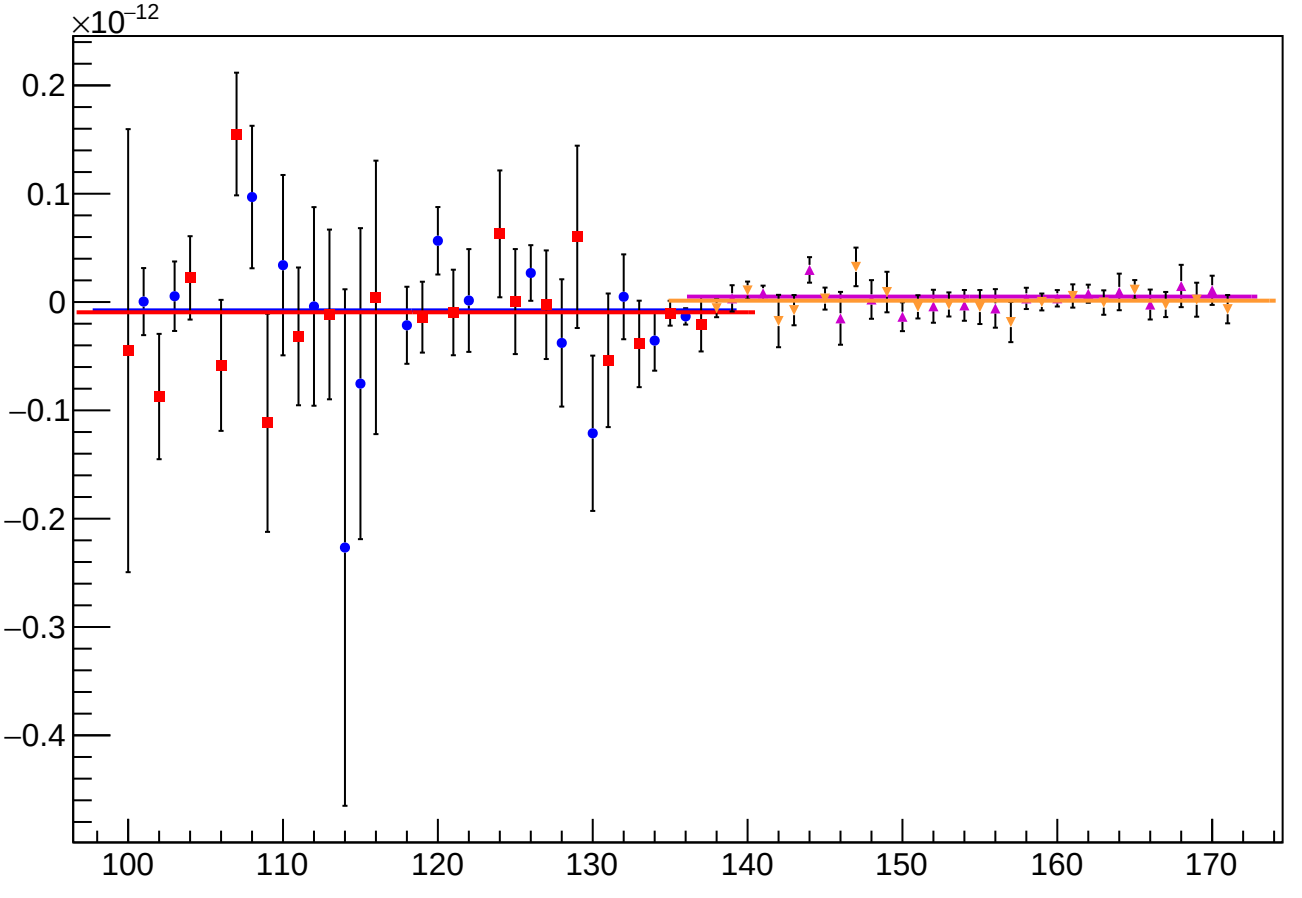
Left: 338.797+/-0.046 χ^2/NDF: 1252241.1/33

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 355.314+/-0.058 χ^2/NDF:3278402.8/31

Out: 362.139+/-0.057 χ^2/NDF:3260433.6/36

All: 358.771+/-0.041 χ^2/NDF: 6545829.8/68



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:9.2/15

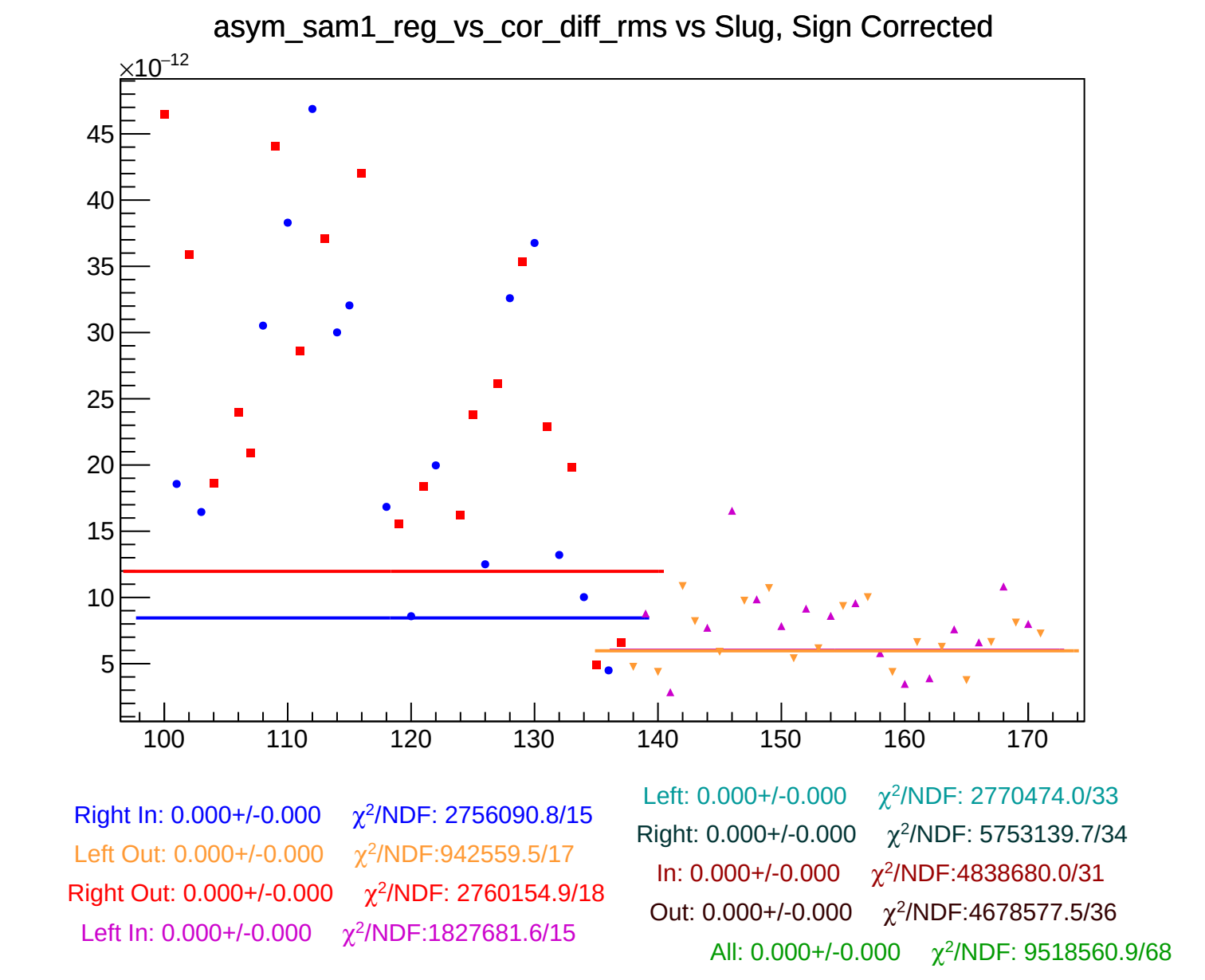
Left: 0.000+/-0.000 χ^2/NDF: 20.0/33

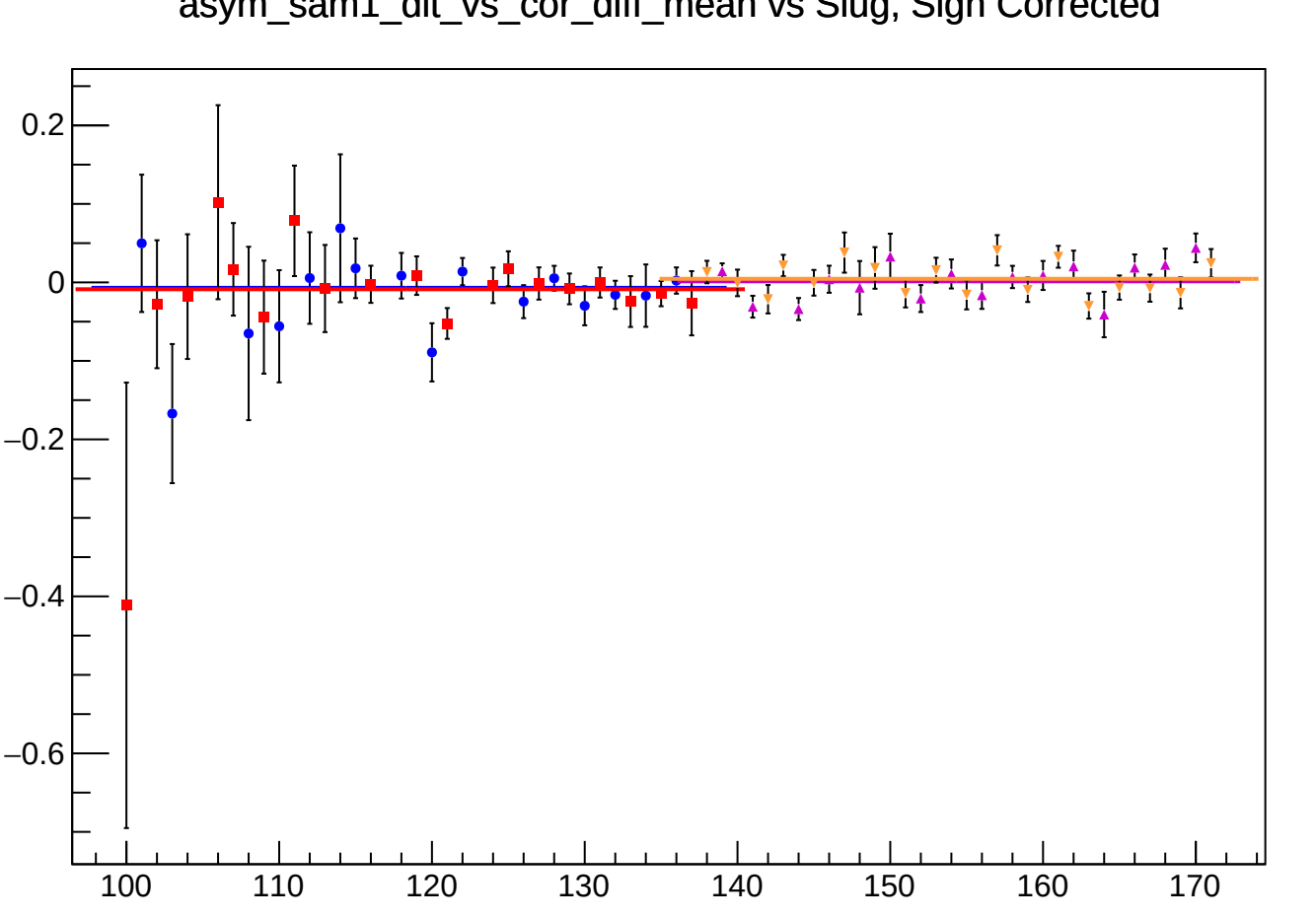
Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.4/31

Out: 0.000+/-0.000 χ^2/NDF:27.8/36

All: 0.000+/-0.000 χ^2/NDF: 55.7/68


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:1827681.6/15
Left: 0.000+/-0.000 χ²/NDF: 2770474.0/33
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4838680.0/31
Out: 0.000+/-0.000 χ²/NDF:4678577.5/36
All: 0.000+/-0.000 χ²/NDF: 9518560.9/68



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: 0.001+/-0.004 χ^2/NDF:28.5/15

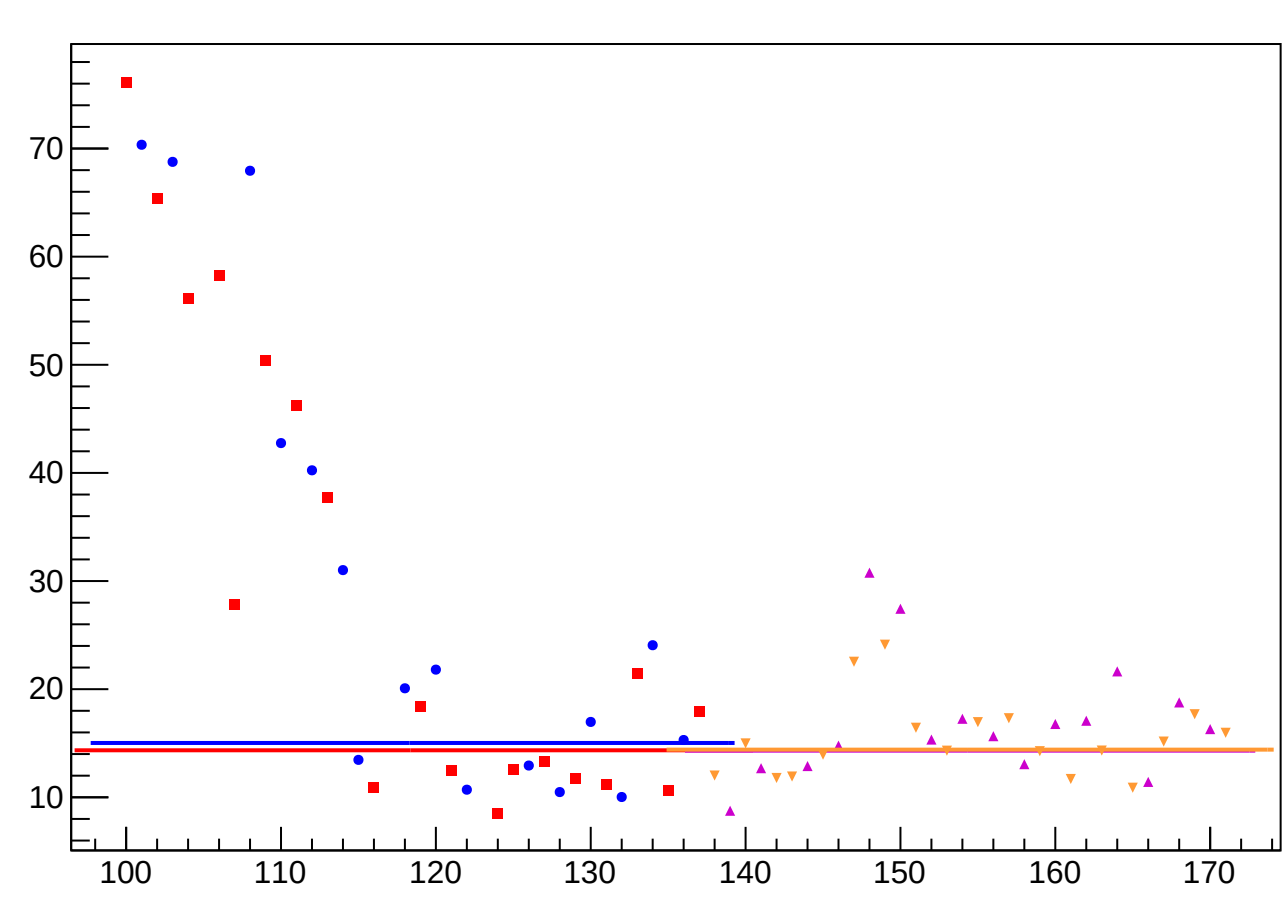
Left: 0.003+/-0.003 χ^2/NDF: 53.6/33

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.001+/-0.004 χ^2/NDF:44.5/31

Out: 0.001+/-0.003 χ^2/NDF:40.5/36

All: -0.000+/-0.002 χ^2/NDF: 85.2/68



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: 14.314+/-0.003 χ^2/NDF:2003151.1/15

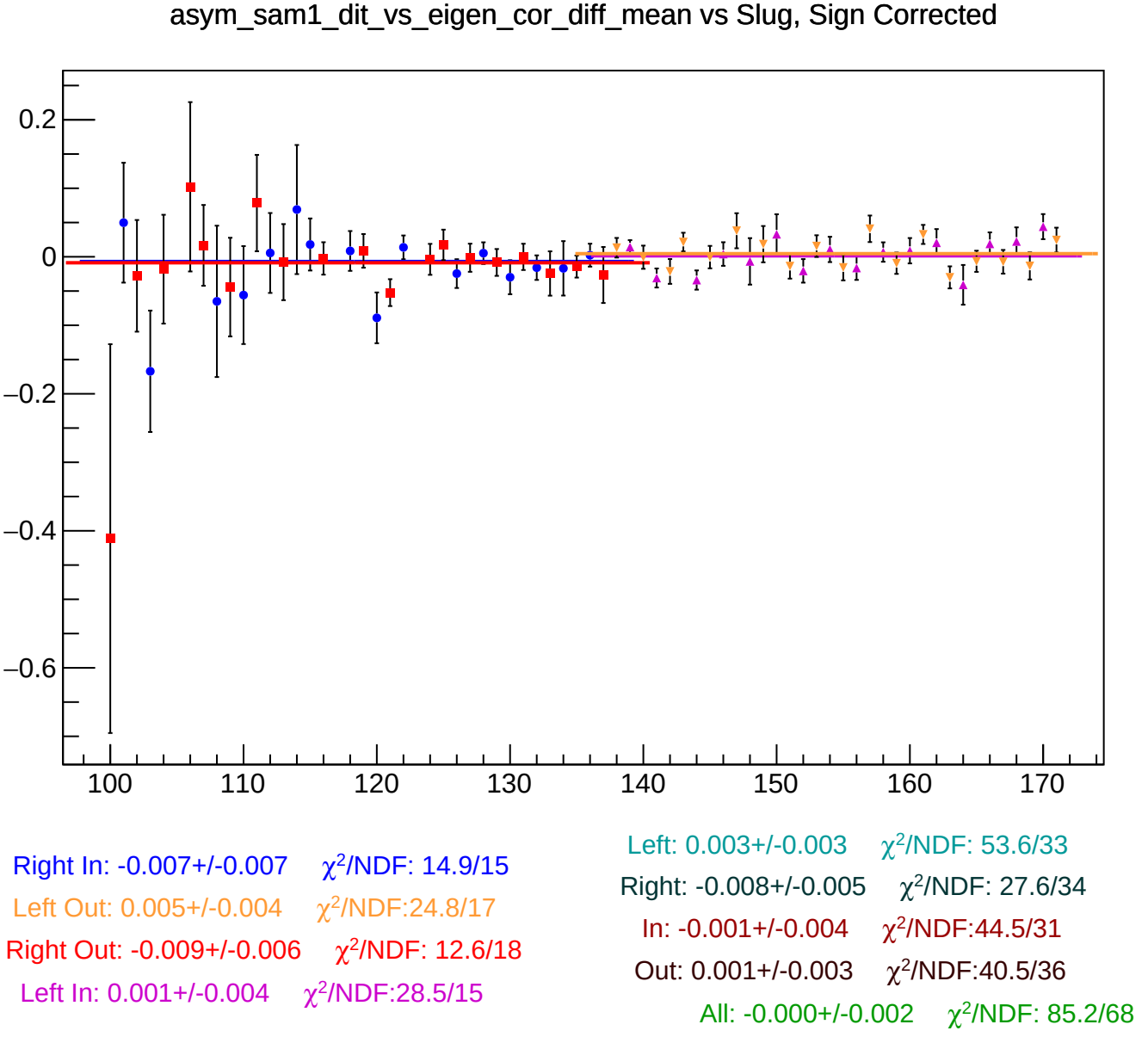
Left: 14.364+/-0.002 χ^2/NDF: 3002590.6/33

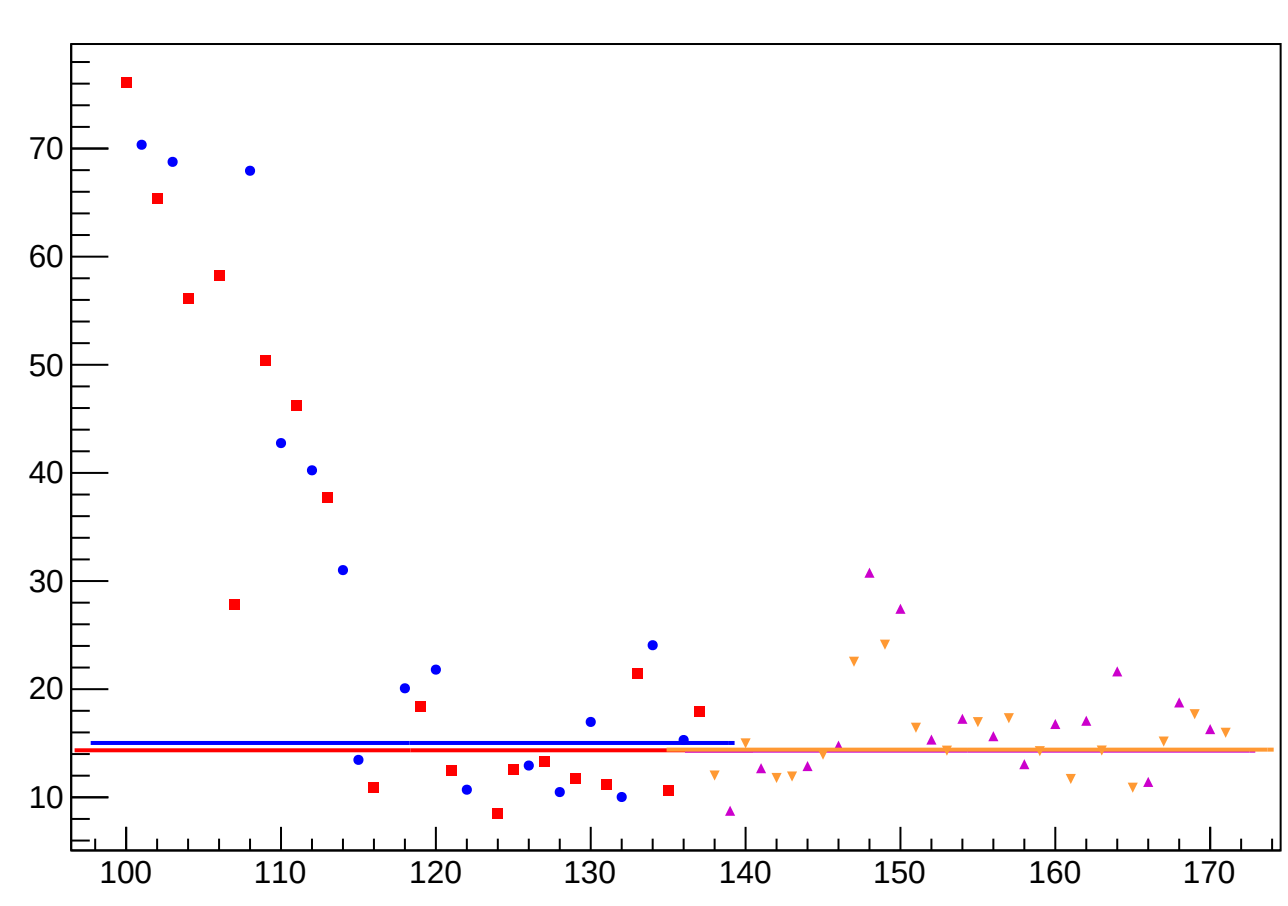
Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.516+/-0.003 χ^2/NDF:5457433.1/31

Out: 14.391+/-0.002 χ^2/NDF:4628055.3/36

All: 14.450+/-0.002 χ^2/NDF: 10086758.0/68


asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
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: 0.001+/-0.004 χ²/NDF:28.5/15
Left: 0.003+/-0.003 χ²/NDF: 53.6/33
Right: -0.008+/-0.005 χ²/NDF: 27.6/34
In: -0.001+/-0.004 χ²/NDF:44.5/31
Out: 0.001+/-0.003 χ²/NDF:40.5/36
All: -0.000+/-0.002 χ²/NDF: 85.2/68



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: 14.314+/-0.003 χ^2/NDF:2003151.1/15

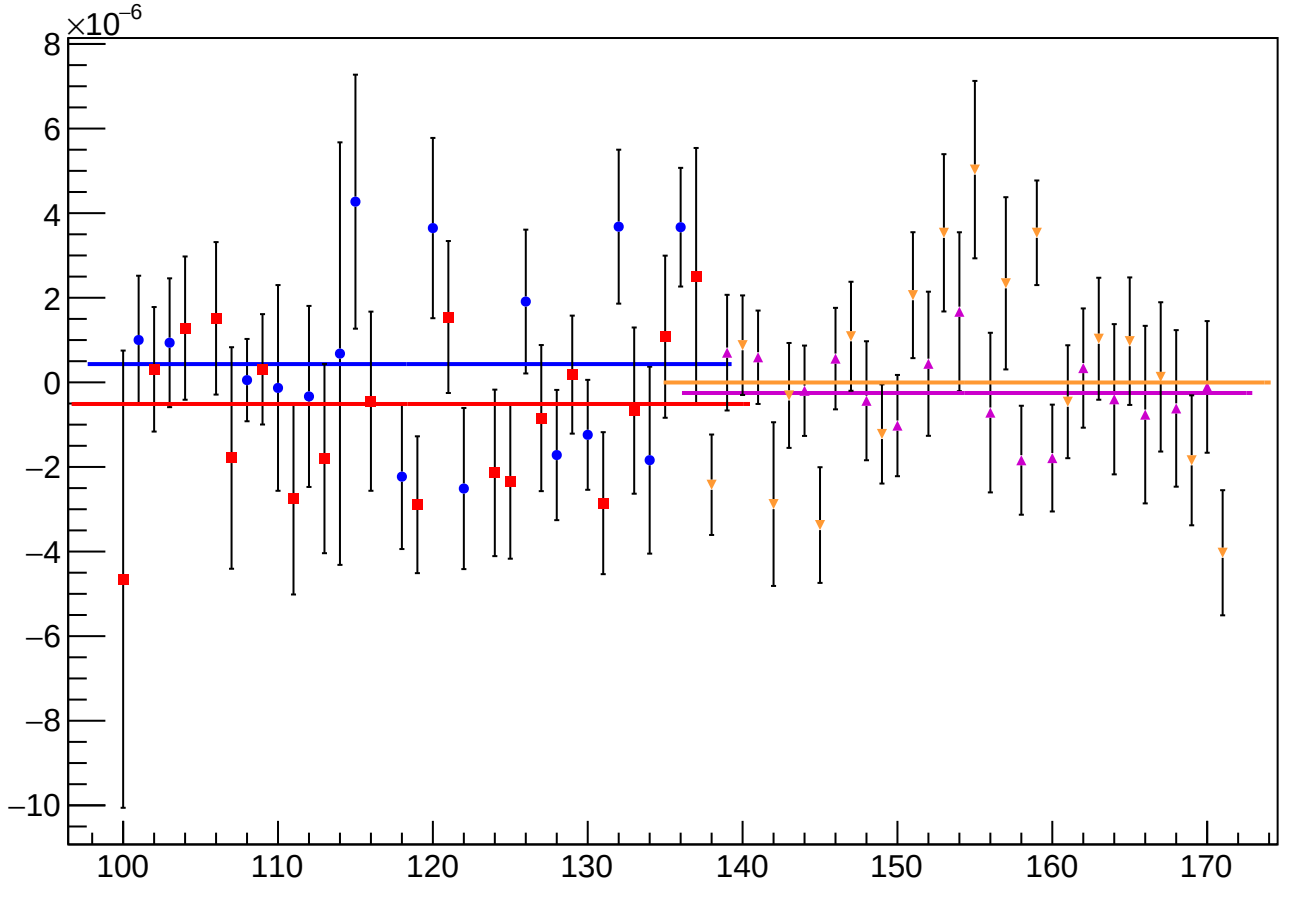
Left: 14.364+/-0.002 χ^2/NDF: 3002590.6/33

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.516+/-0.003 χ^2/NDF:5457433.1/31

Out: 14.391+/-0.002 χ^2/NDF:4628055.3/36

All: 14.450+/-0.002 χ^2/NDF: 10086758.0/68



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:6.5/15

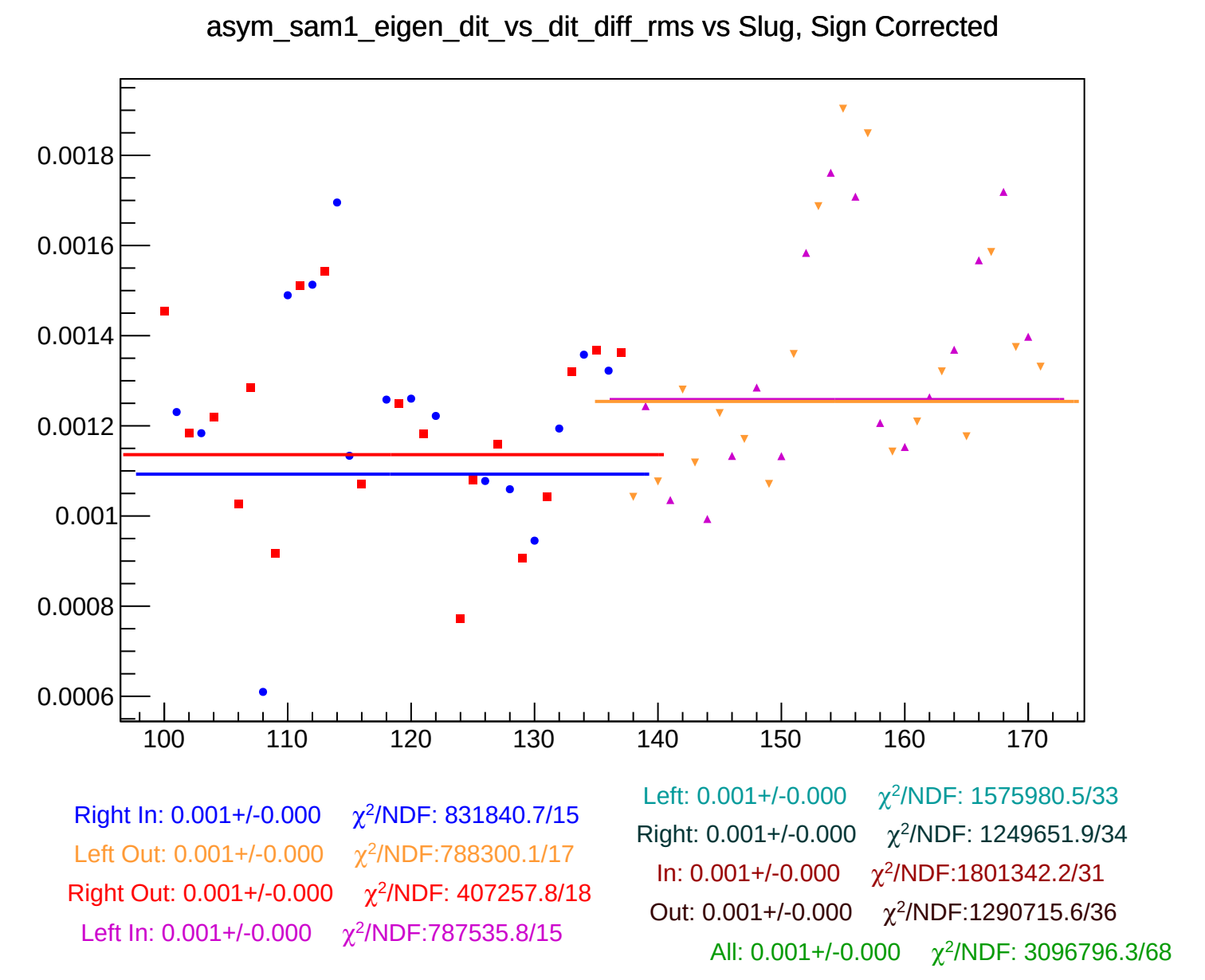
Left: -0.000+/-0.000 χ^2/NDF: 52.4/33

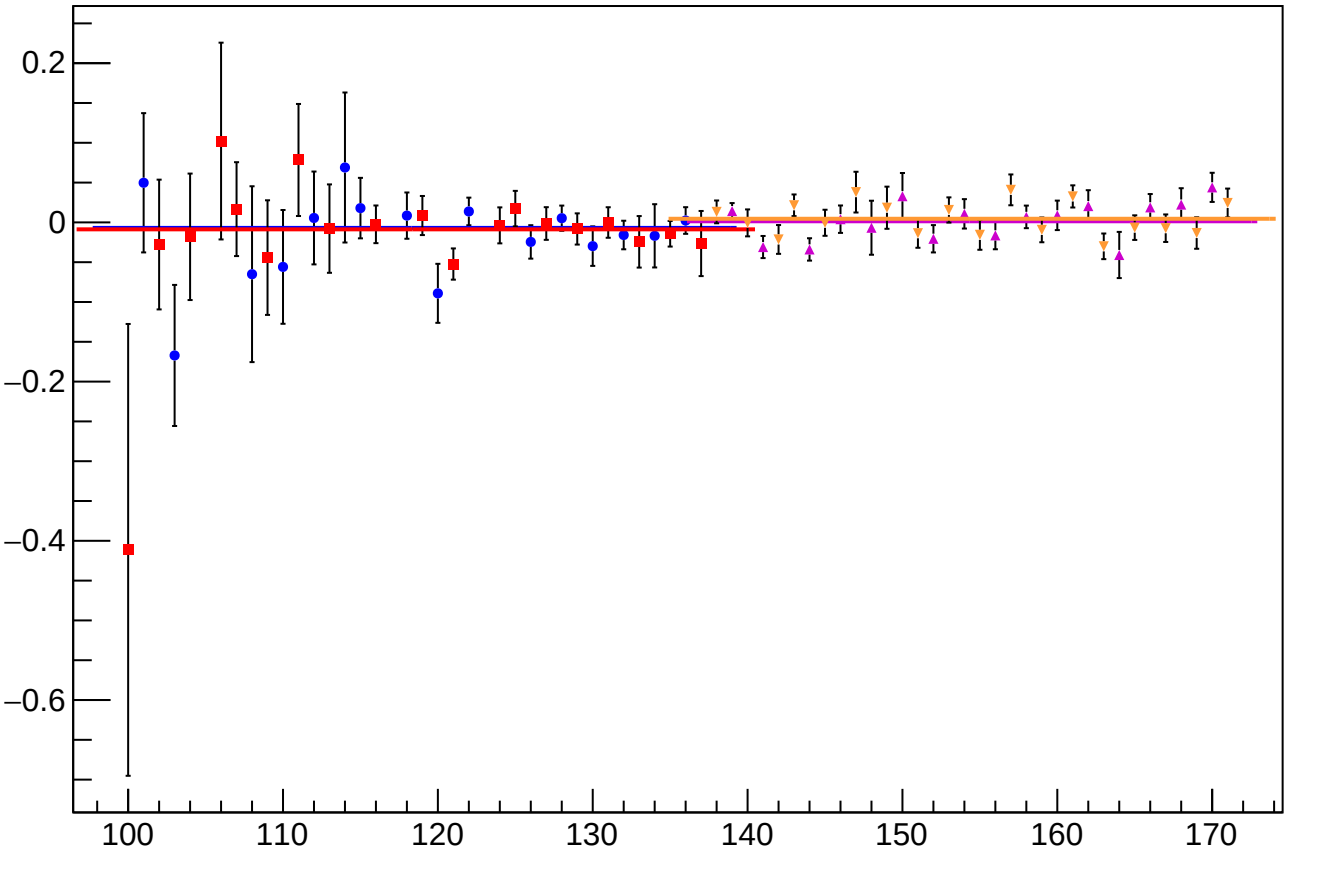
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.3/31

Out: -0.000+/-0.000 χ^2/NDF:60.8/36

All: -0.000+/-0.000 χ^2/NDF: 92.4/68


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:787535.8/15
Left: 0.001+/-0.000 χ²/NDF: 1575980.5/33
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1801342.2/31
Out: 0.001+/-0.000 χ²/NDF:1290715.6/36
All: 0.001+/-0.000 χ²/NDF: 3096796.3/68



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: 0.001+/-0.004 χ^2/NDF:28.5/15

Left: 0.003+/-0.003 χ^2/NDF: 53.6/33

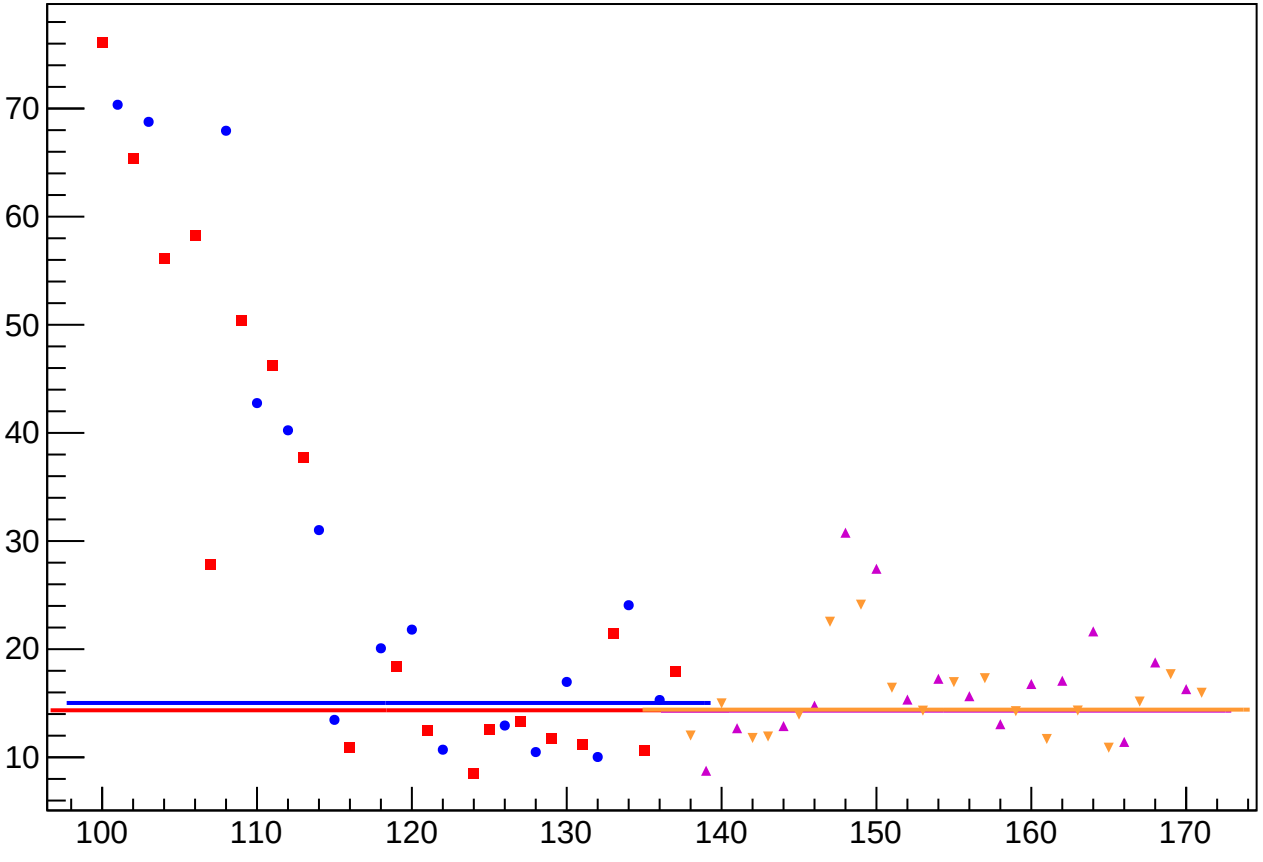
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.001+/-0.004 χ^2/NDF:44.5/31

Out: 0.001+/-0.003 χ^2/NDF:40.5/36

All: -0.000+/-0.002 χ^2/NDF: 85.2/68

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: 14.313+/-0.003 χ^2/NDF:2003217.2/15

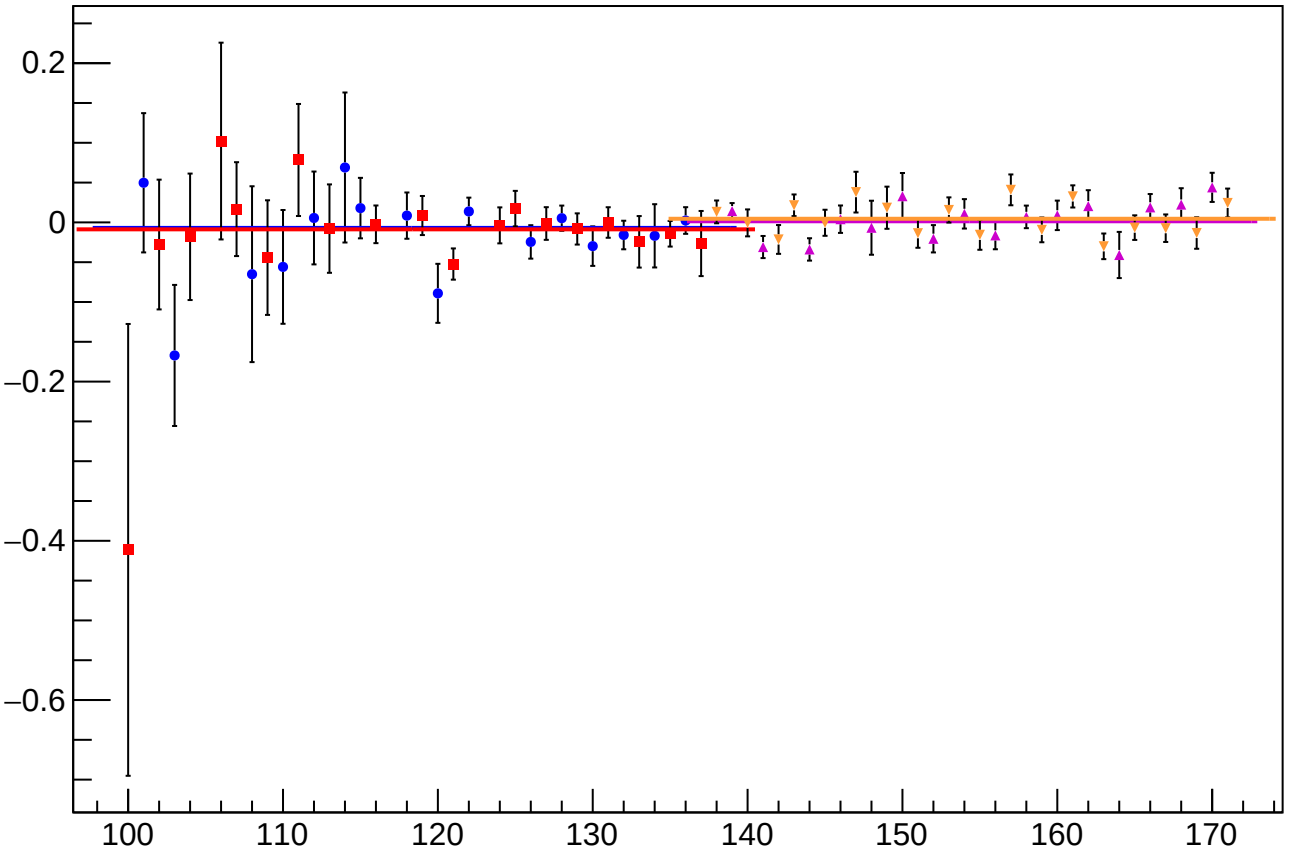
Left: 14.363+/-0.002 χ^2/NDF: 3002720.8/33

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.515+/-0.003 χ^2/NDF:5457513.7/31

Out: 14.391+/-0.002 χ^2/NDF:4628109.5/36

All: 14.450+/-0.002 χ^2/NDF: 10086892.4/68



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: 0.001+/-0.004 χ^2/NDF:28.5/15

Left: 0.003+/-0.003 χ^2/NDF: 53.6/33

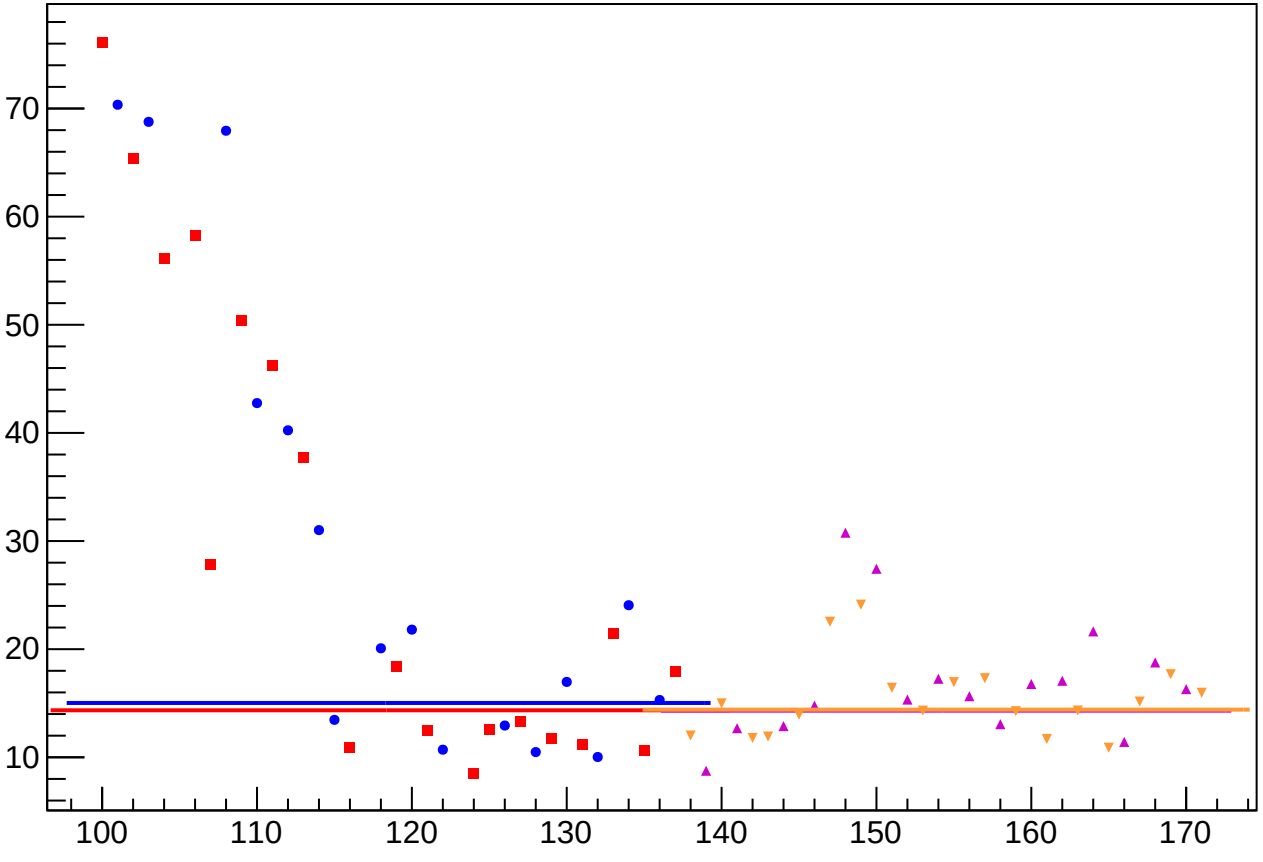
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: -0.001+/-0.004 χ^2/NDF:44.5/31

Out: 0.001+/-0.003 χ^2/NDF:40.5/36

All: -0.000+/-0.002 χ^2/NDF: 85.2/68

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: 14.313+/-0.003 χ^2/NDF:2003217.2/15

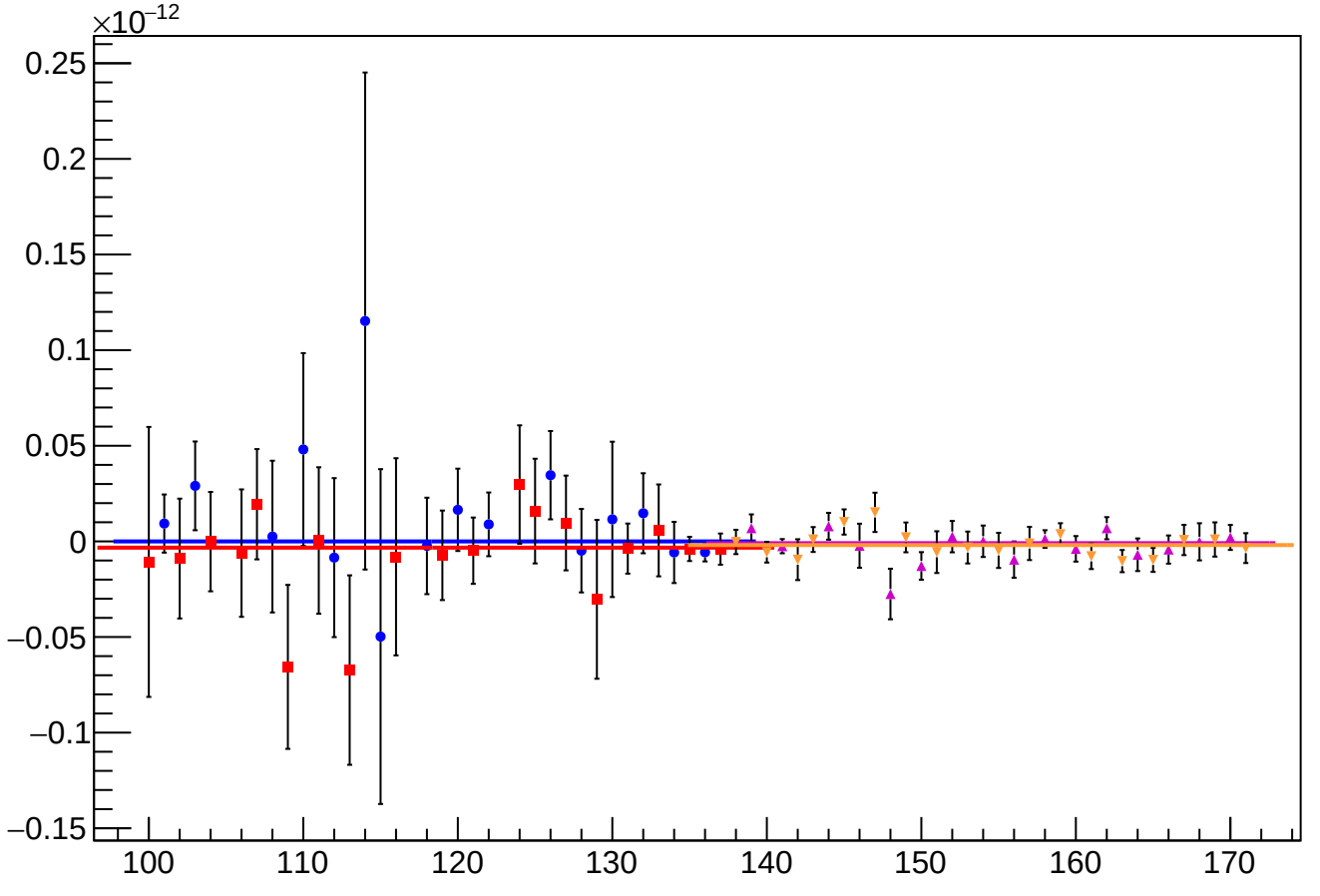
Left: 14.363+/-0.002 χ^2/NDF: 3002720.8/33

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.515+/-0.003 χ^2/NDF:5457513.7/31

Out: 14.391+/-0.002 χ^2/NDF:4628109.5/36

All: 14.450+/-0.002 χ^2/NDF: 10086892.4/68



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:13.9/15

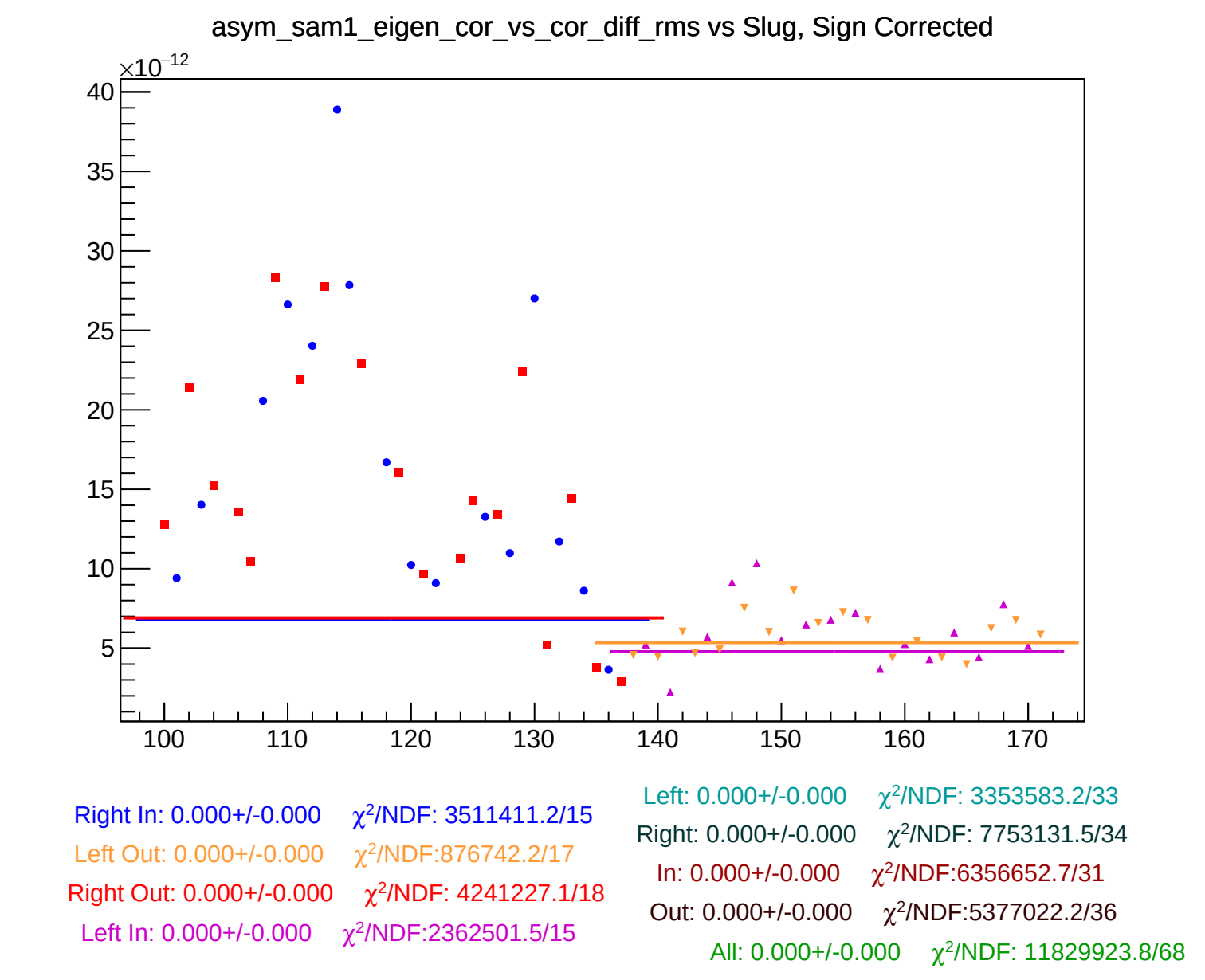
Left: -0.000+/-0.000 χ^2/NDF: 27.6/33

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

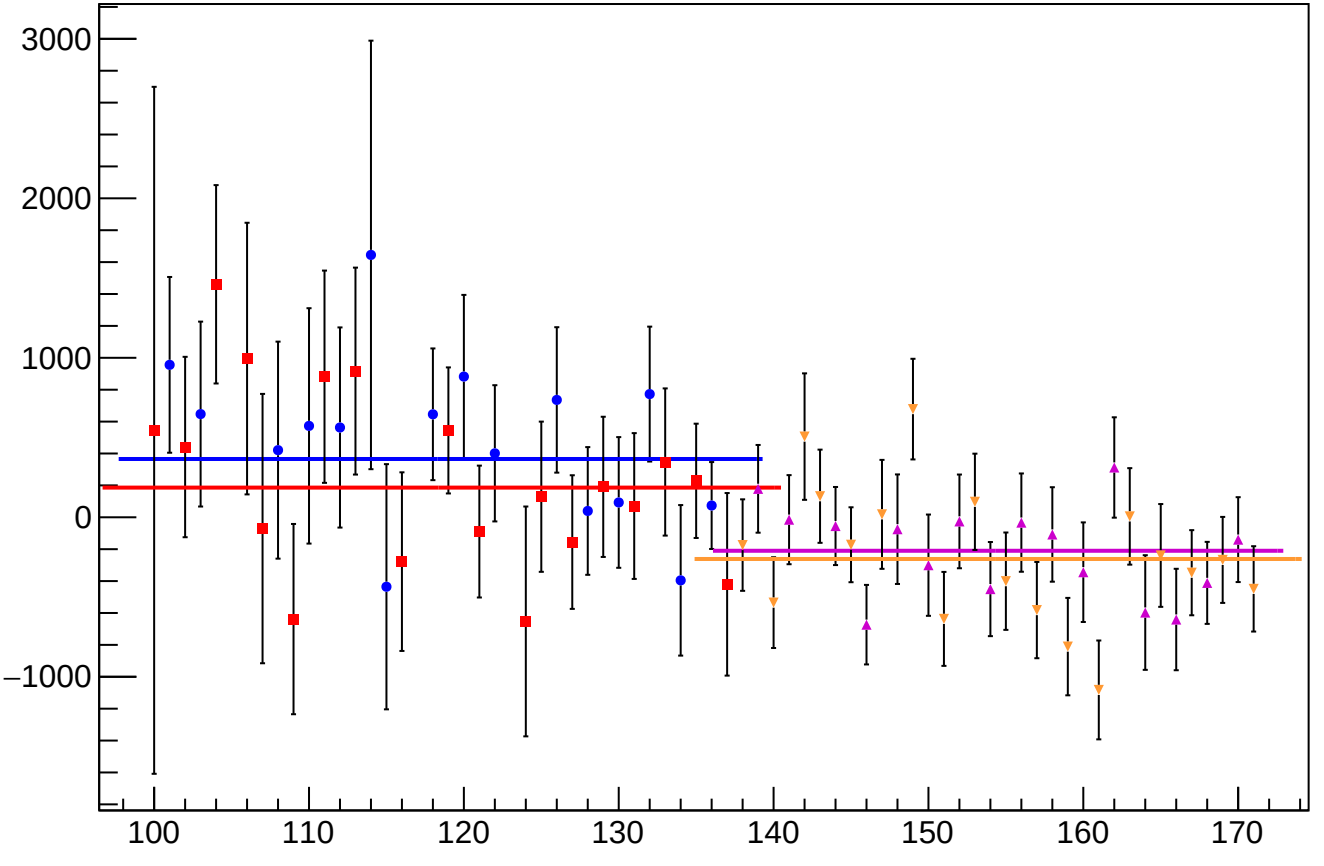
In: -0.000+/-0.000 χ^2/NDF:23.2/31

Out: -0.000+/-0.000 χ^2/NDF:20.6/36

All: -0.000+/-0.000 χ^2/NDF: 44.3/68


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:2362501.5/15
Left: 0.000+/-0.000 χ²/NDF: 3353583.2/33
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6356652.7/31
Out: 0.000+/-0.000 χ²/NDF:5377022.2/36
All: 0.000+/-0.000 χ²/NDF: 11829923.8/68

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: -209.939+/-72.658 χ^2/NDF:14.7/15

Left: -236.815+/-50.226 χ^2/NDF: 47.2/33

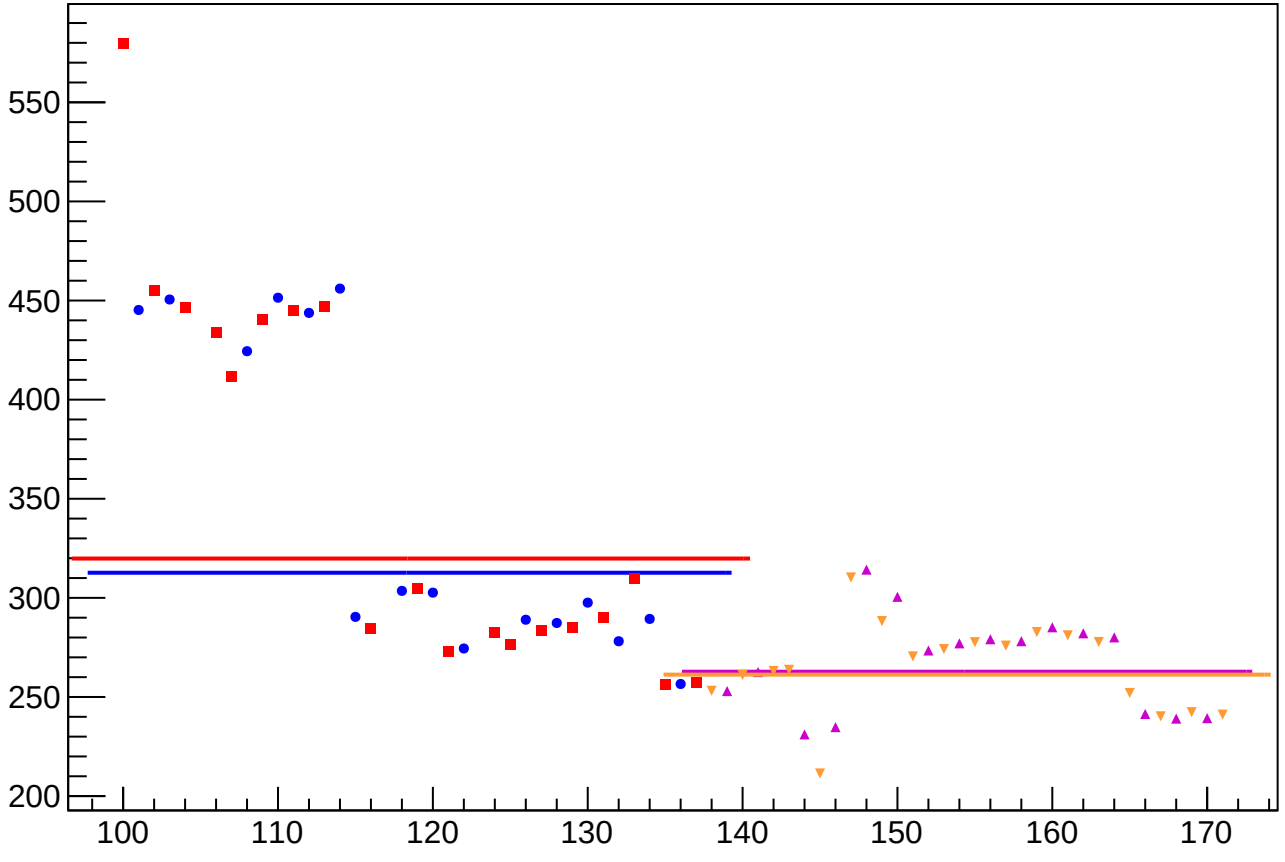
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -53.417+/-61.995 χ^2/NDF:43.2/31

Out: -149.240+/-60.170 χ^2/NDF:57.7/36

All: -102.760+/-43.177 χ^2/NDF: 102.1/68

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: 262.753+/-0.051 χ^2/NDF:216713.2/15

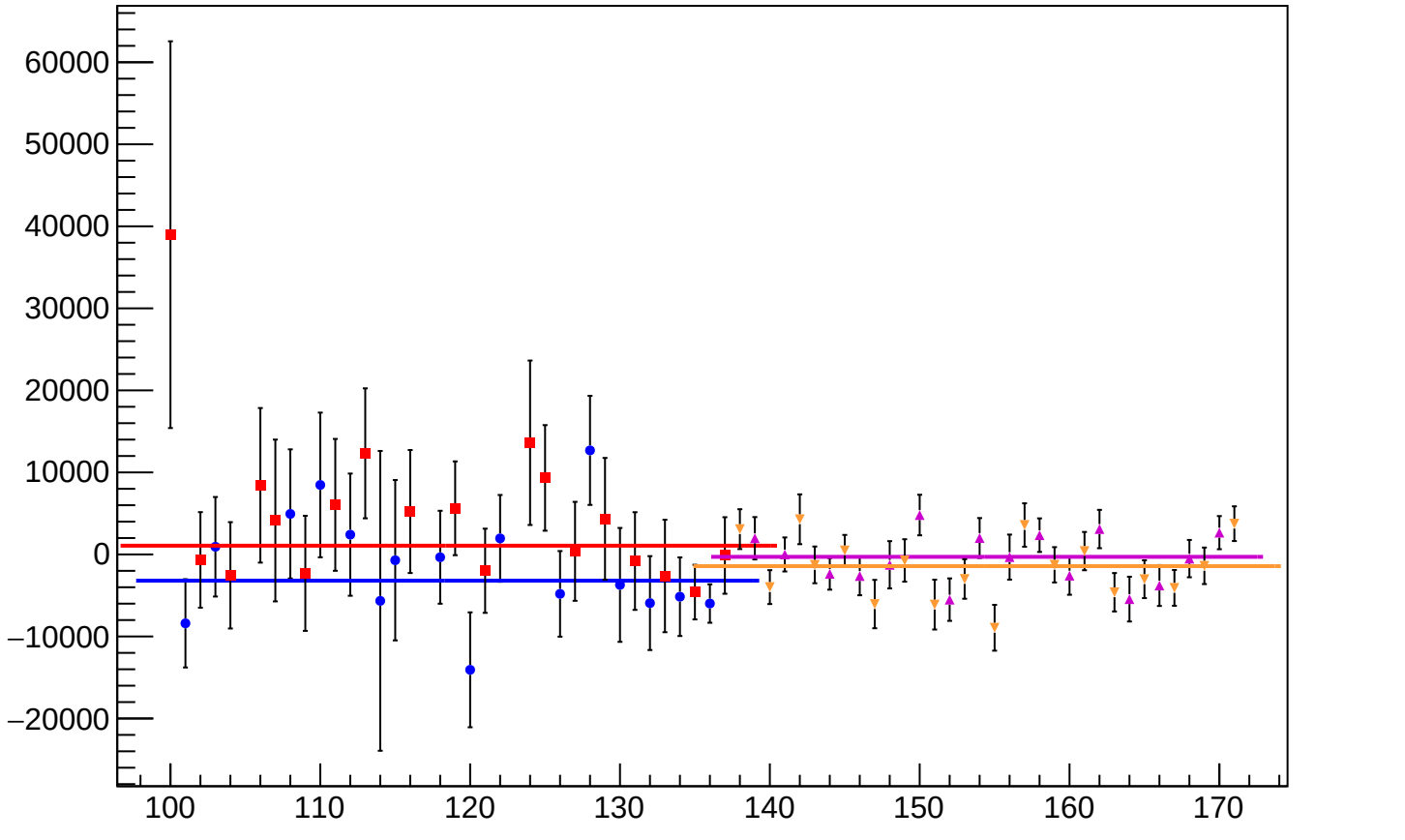
Left: 261.983+/-0.036 χ^2/NDF: 440339.3/33

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 276.333+/-0.044 χ^2/NDF:1075793.3/31

Out: 275.956+/-0.043 χ^2/NDF:1276903.5/36

All: 276.139+/-0.031 χ^2/NDF: 2352735.0/68



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: -292.228+/-586.558 χ^2/NDF:24.7/15

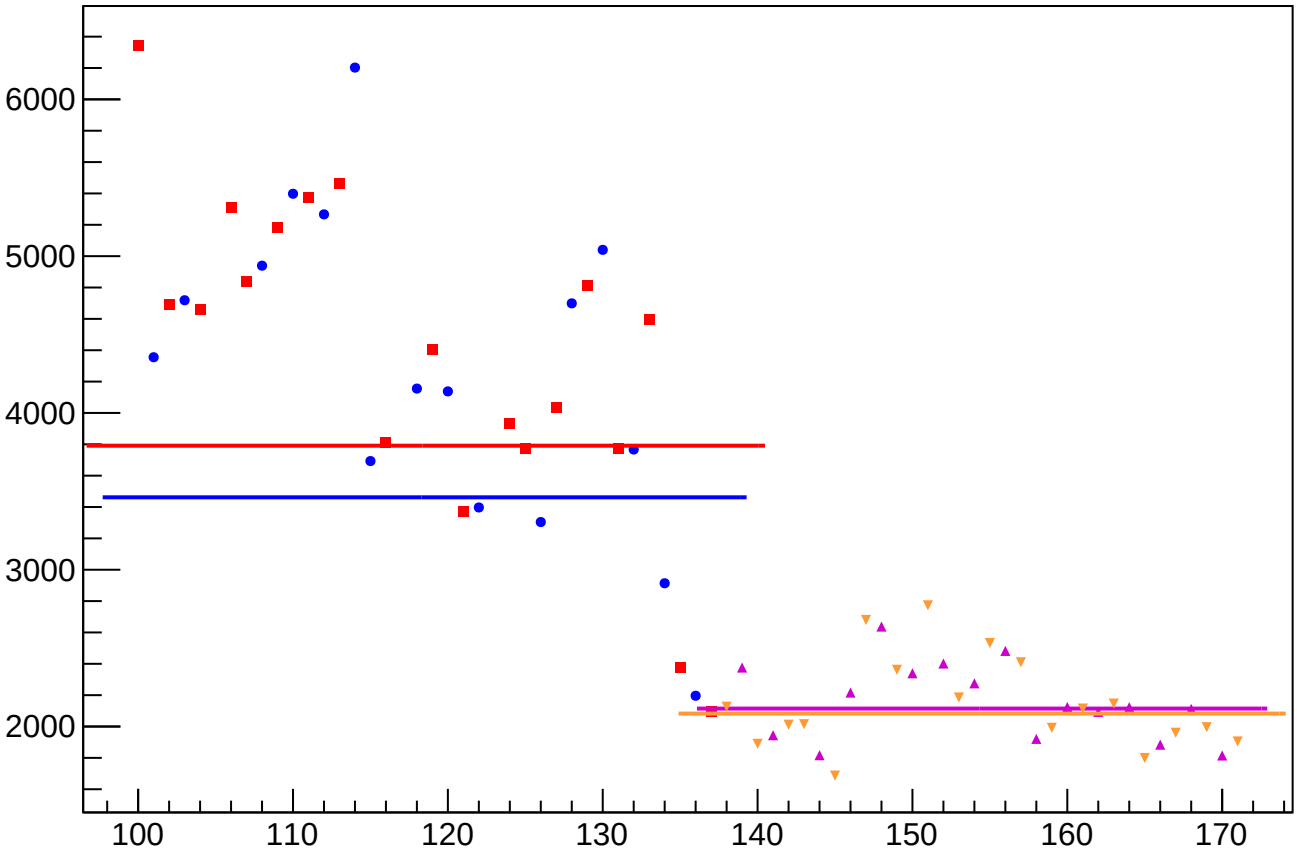
Left: -888.922+/-404.255 χ^2/NDF: 62.7/33

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -751.599+/-538.213 χ^2/NDF:44.6/31

Out: -1104.468+/-520.395 χ^2/NDF:53.1/36

All: -933.971+/-374.116 χ^2/NDF: 97.9/68



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: 2114.383+/-0.415 χ^2/NDF:315931.0/15

Left: 2097.634+/-0.286 χ^2/NDF: 780948.1/33

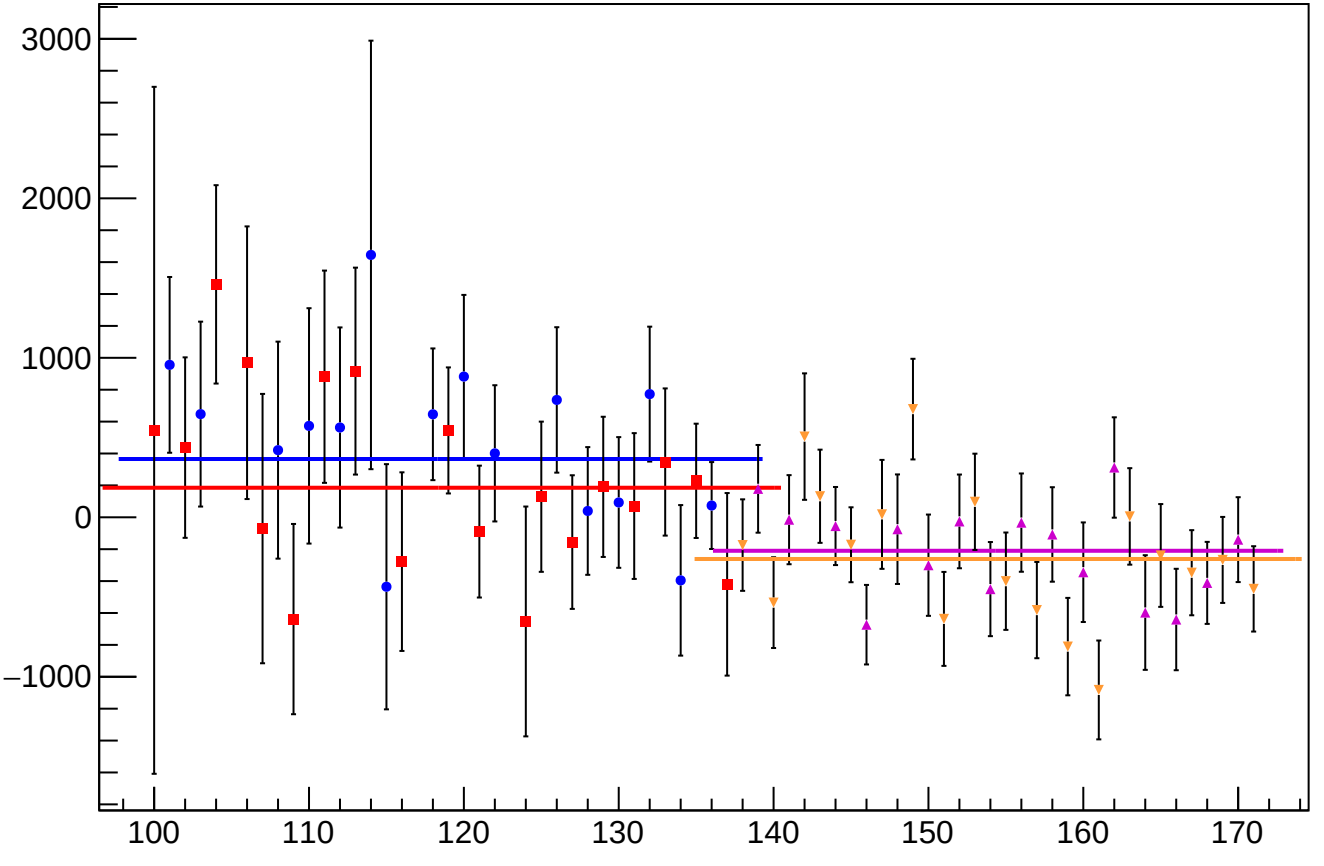
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2327.360+/-0.381 χ^2/NDF:3293855.3/31

Out: 2304.612+/-0.368 χ^2/NDF:4056411.3/36

All: 2315.604+/-0.265 χ^2/NDF: 7352113.1/68

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: -209.943+/-72.658 χ^2/NDF:14.7/15

Left: -236.814+/-50.226 χ^2/NDF: 47.2/33

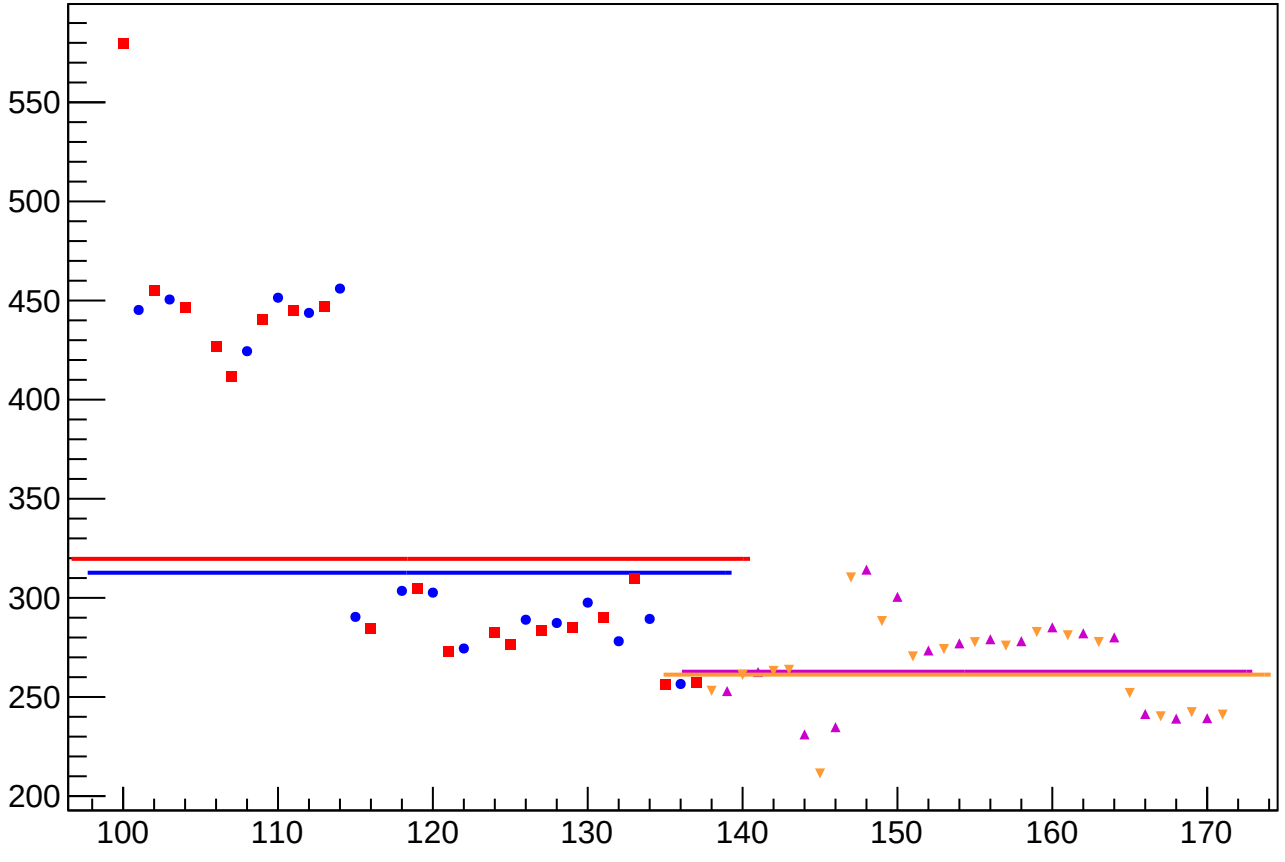
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -53.425+/-61.995 χ^2/NDF:43.2/31

Out: -149.454+/-60.171 χ^2/NDF:57.6/36

All: -102.873+/-43.178 χ^2/NDF: 102.0/68

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: 262.753+/-0.051 χ^2/NDF:216713.2/15

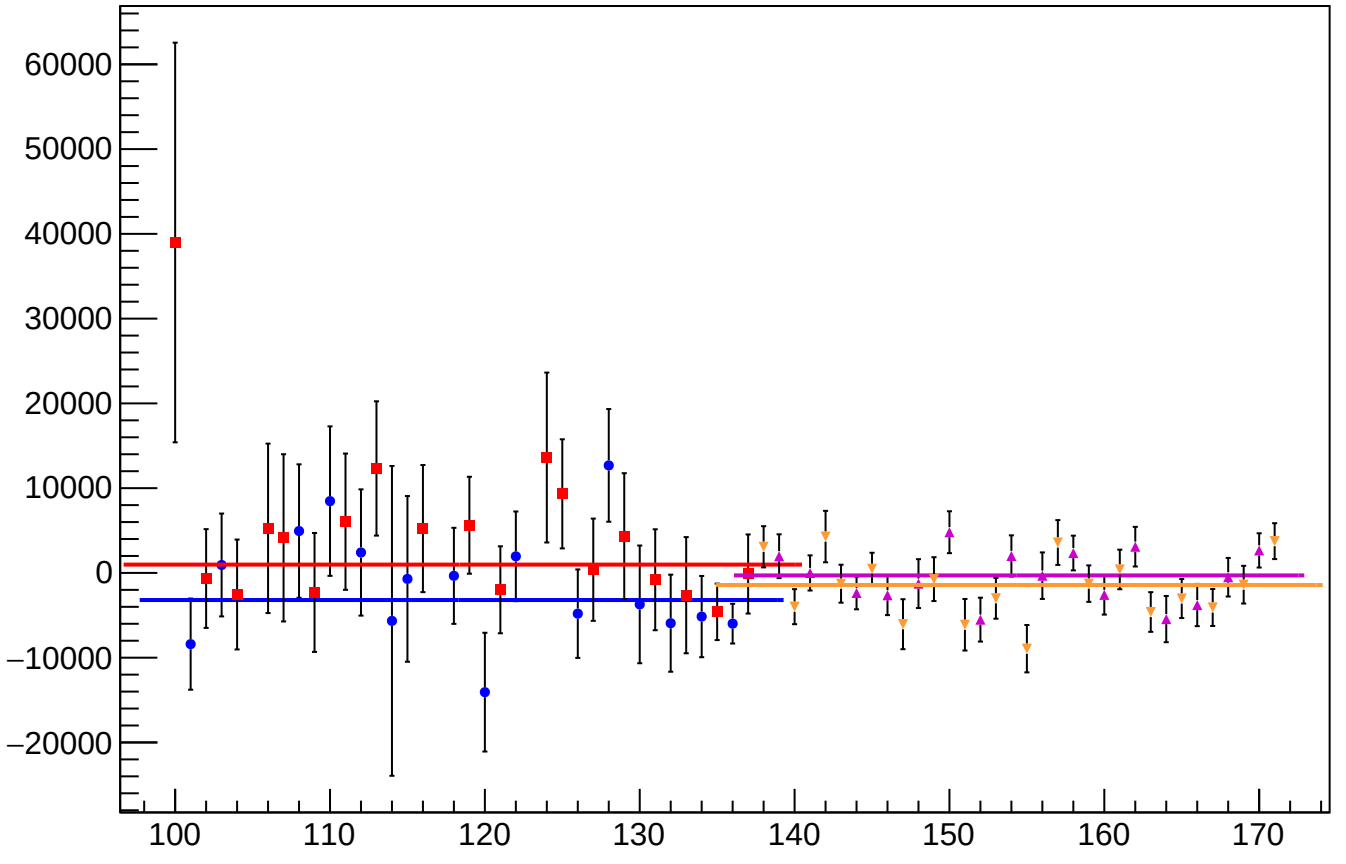
Left: 261.983+/-0.036 χ^2/NDF: 440339.3/33

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 276.333+/-0.044 χ^2/NDF:1075794.9/31

Out: 275.917+/-0.043 χ^2/NDF:1270892.4/36

All: 276.119+/-0.031 χ^2/NDF: 2346733.9/68



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: -292.221+/-586.558 χ^2/NDF:24.7/15

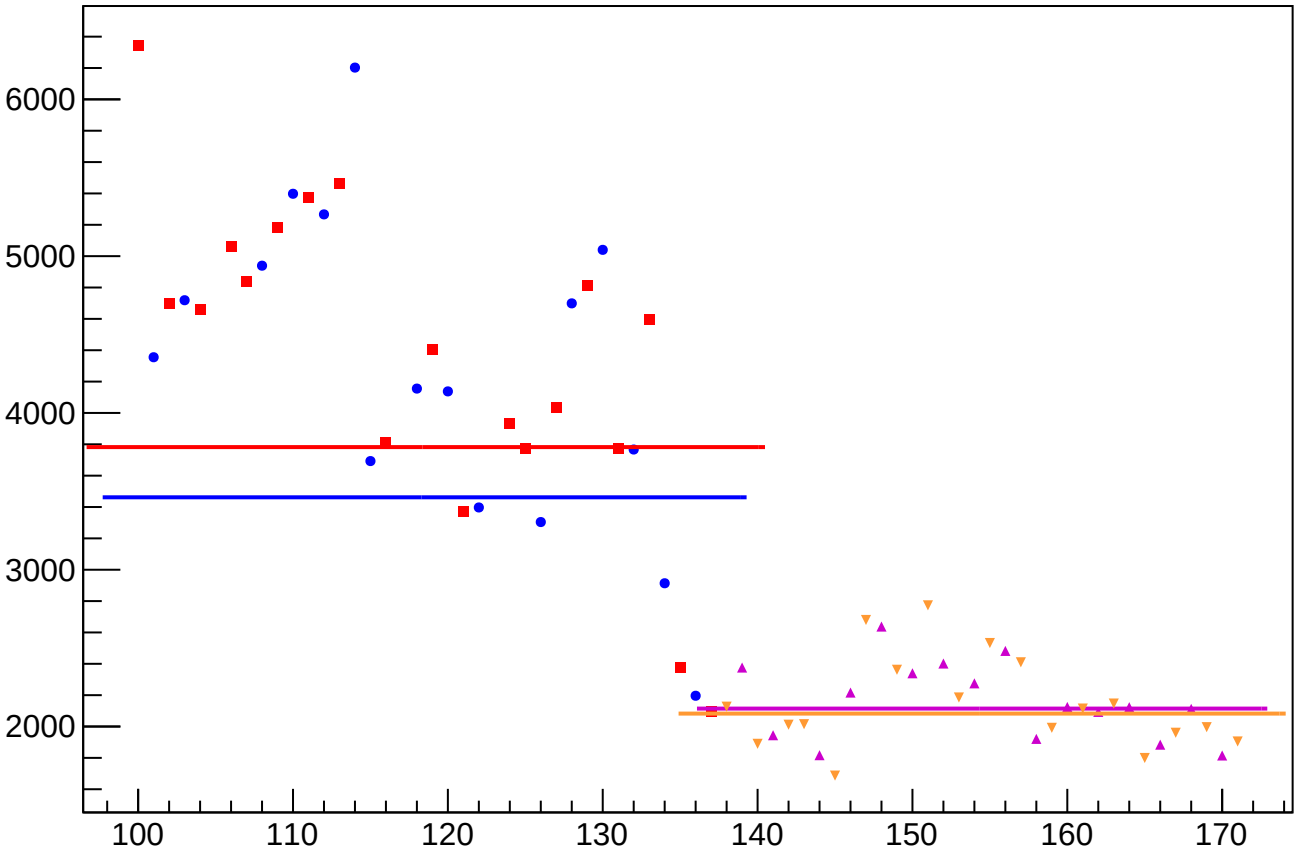
Left: -888.915+/-404.255 χ^2/NDF: 62.7/33

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -751.580+/-538.213 χ^2/NDF:44.6/31

Out: -1116.243+/-520.486 χ^2/NDF:52.5/36

All: -940.016+/-374.149 χ^2/NDF: 97.3/68



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: 2114.383+/-0.415 χ^2/NDF:315932.1/15

Left: 2097.635+/-0.286 χ^2/NDF: 780949.3/33

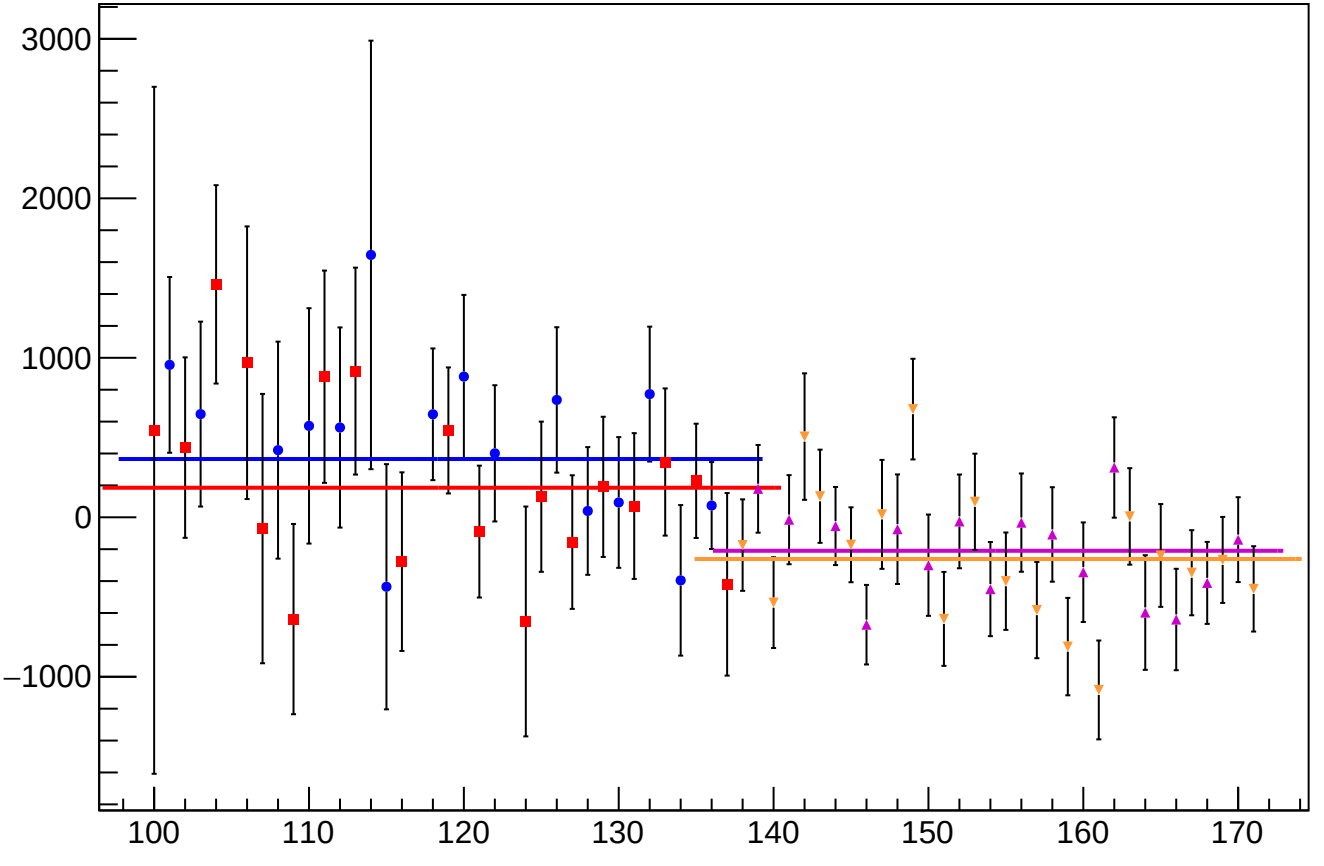
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2327.361+/-0.381 χ^2/NDF:3293875.1/31

Out: 2302.923+/-0.368 χ^2/NDF:4005656.2/36

All: 2314.733+/-0.265 χ^2/NDF: 7301662.0/68

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: -209.943+/-72.658 χ^2/NDF:14.7/15

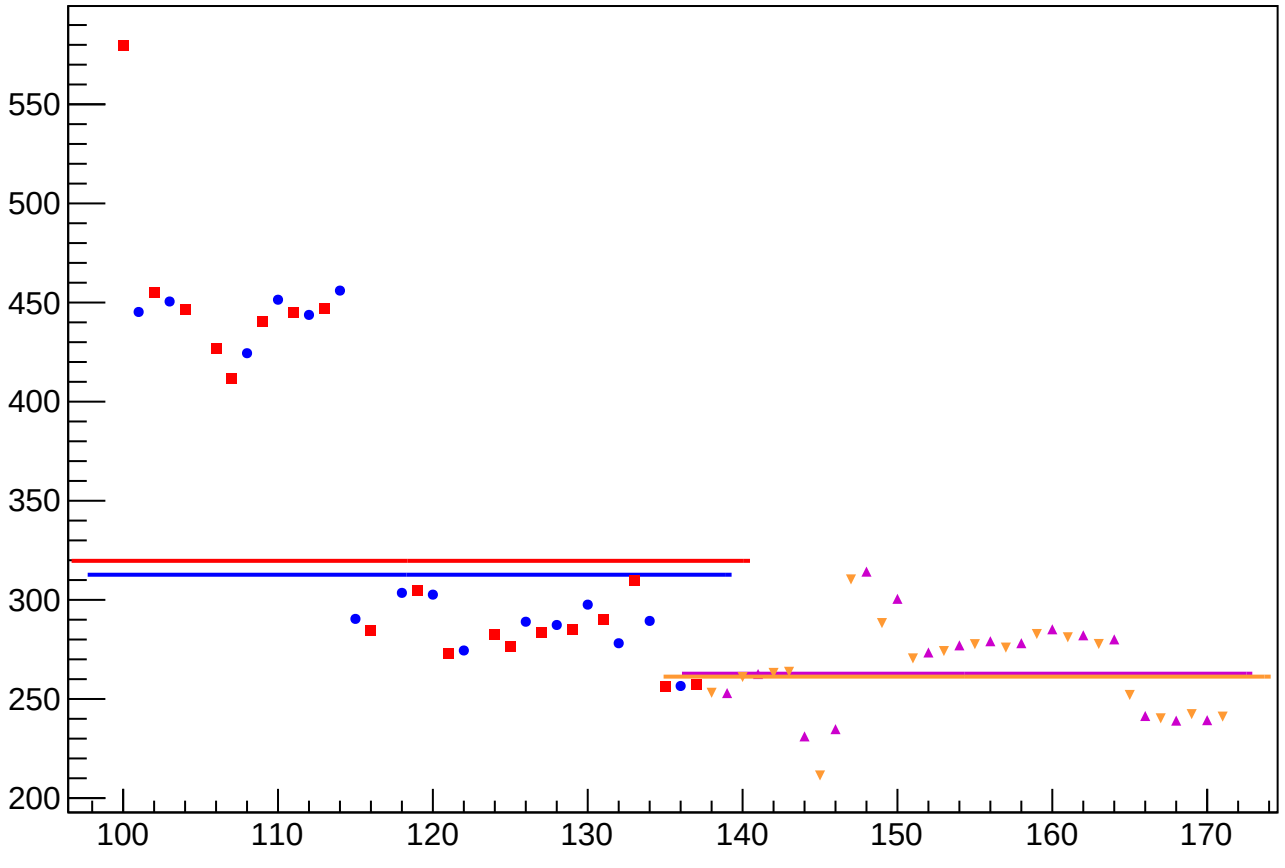
Left: -236.814+/-50.226 χ^2/NDF: 47.2/33

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -53.425+/-61.995 χ^2/NDF:43.2/31

Out: -149.454+/-60.171 χ^2/NDF:57.6/36

All: -102.873+/-43.178 χ^2/NDF: 102.0/68



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: 262.753+/-0.051 χ^2/NDF:216713.2/15

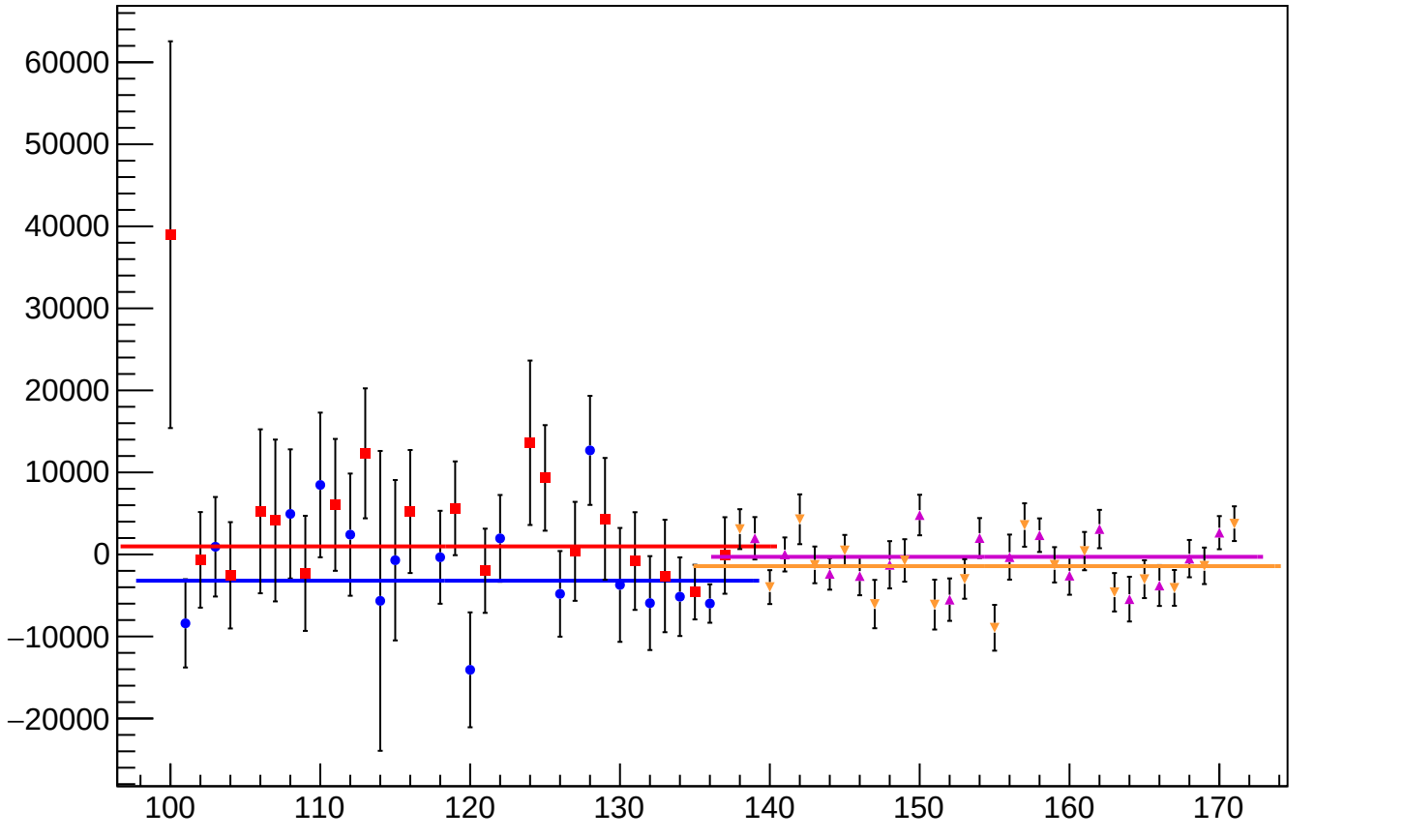
Left: 261.983+/-0.036 χ^2/NDF: 440339.3/33

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 276.333+/-0.044 χ^2/NDF:1075794.9/31

Out: 275.917+/-0.043 χ^2/NDF:1270892.4/36

All: 276.119+/-0.031 χ^2/NDF: 2346733.9/68



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: -292.221+/-586.558 χ^2/NDF:24.7/15

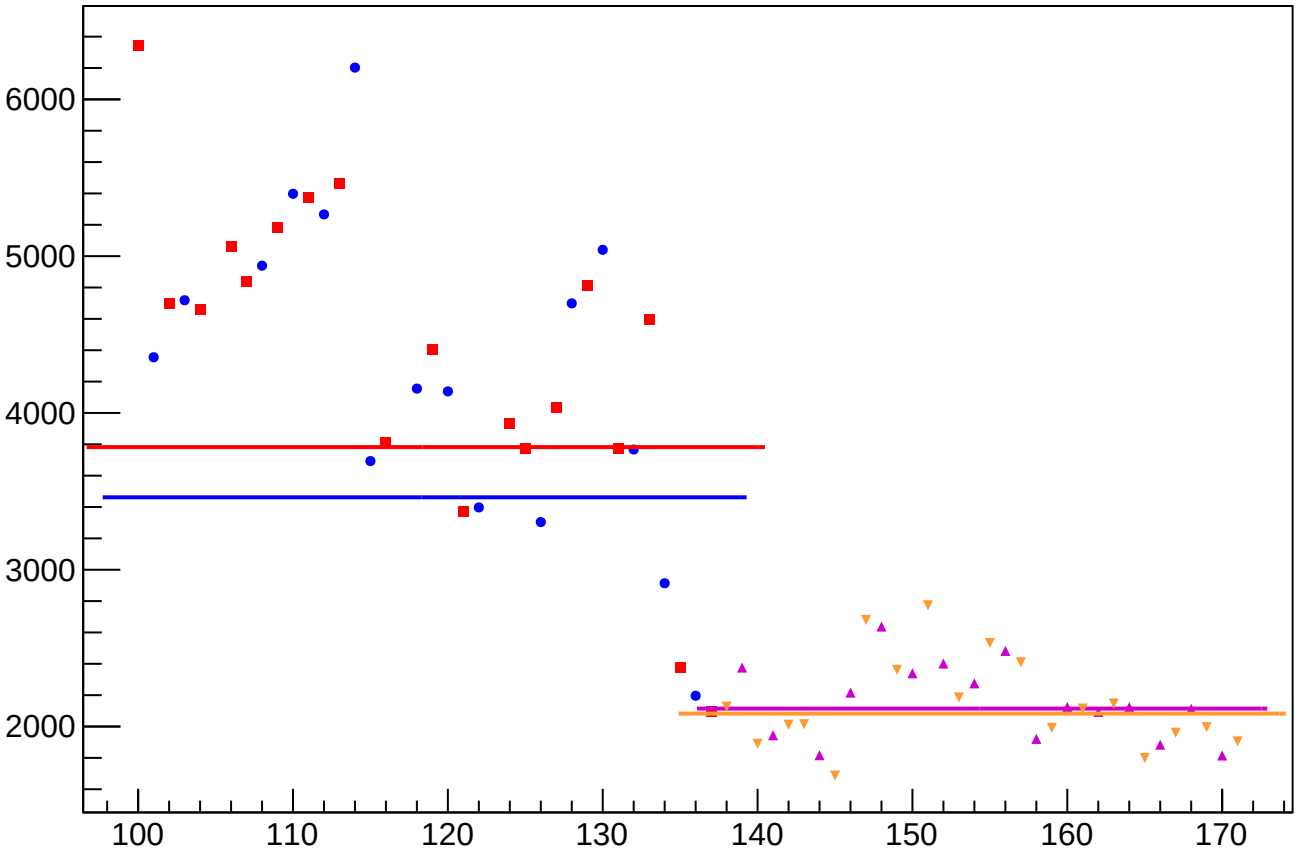
Left: -888.915+/-404.255 χ^2/NDF: 62.7/33

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -751.580+/-538.213 χ^2/NDF:44.6/31

Out: -1116.243+/-520.486 χ^2/NDF:52.5/36

All: -940.016+/-374.149 χ^2/NDF: 97.3/68



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: 2114.383+/-0.415 χ^2/NDF:315932.1/15

Left: 2097.635+/-0.286 χ^2/NDF: 780949.3/33

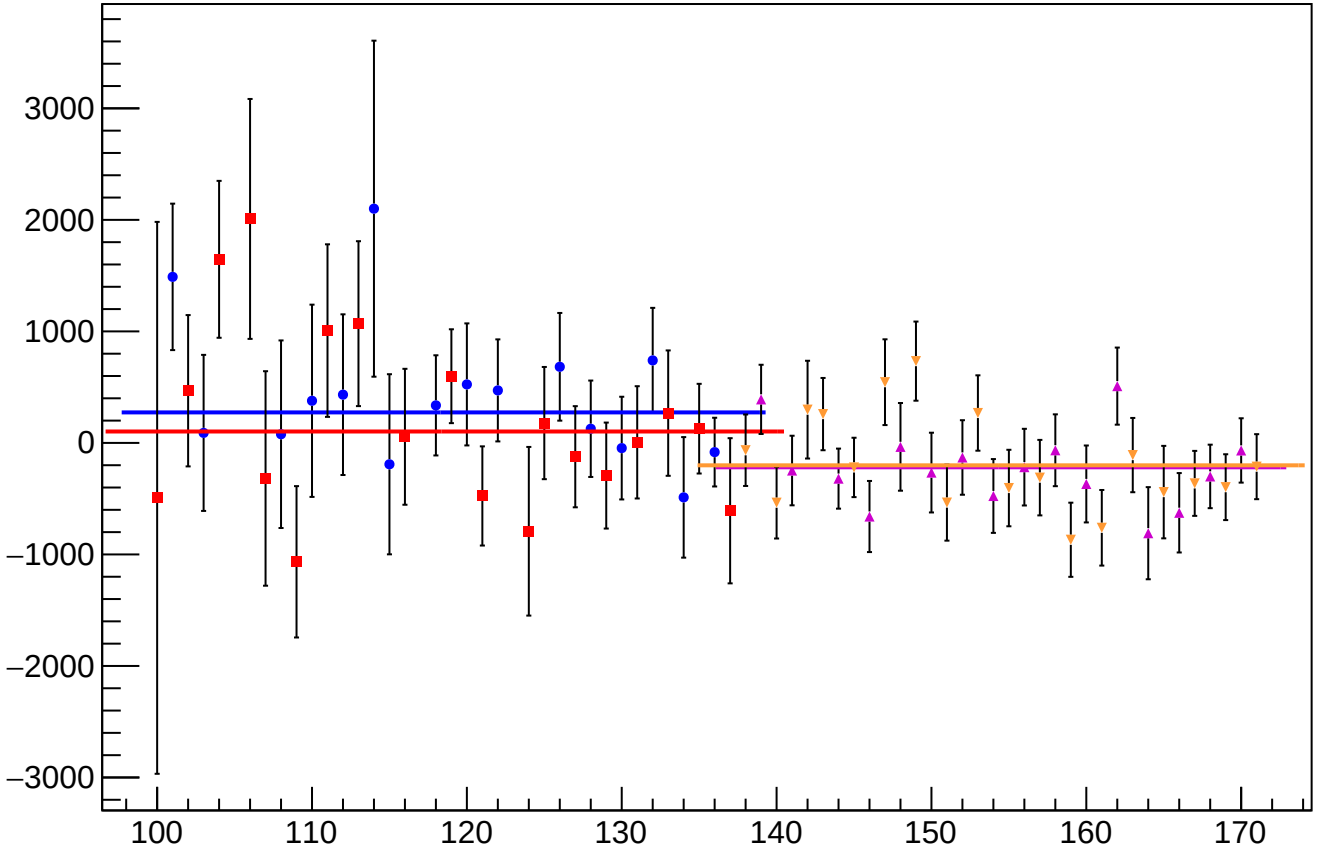
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2327.361+/-0.381 χ^2/NDF:3293875.1/31

Out: 2302.923+/-0.368 χ^2/NDF:4005656.2/36

All: 2314.733+/-0.265 χ^2/NDF: 7301662.0/68

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: -218.737+/-81.746 χ^2/NDF:15.4/15

Left: -209.388+/-56.359 χ^2/NDF: 42.0/33

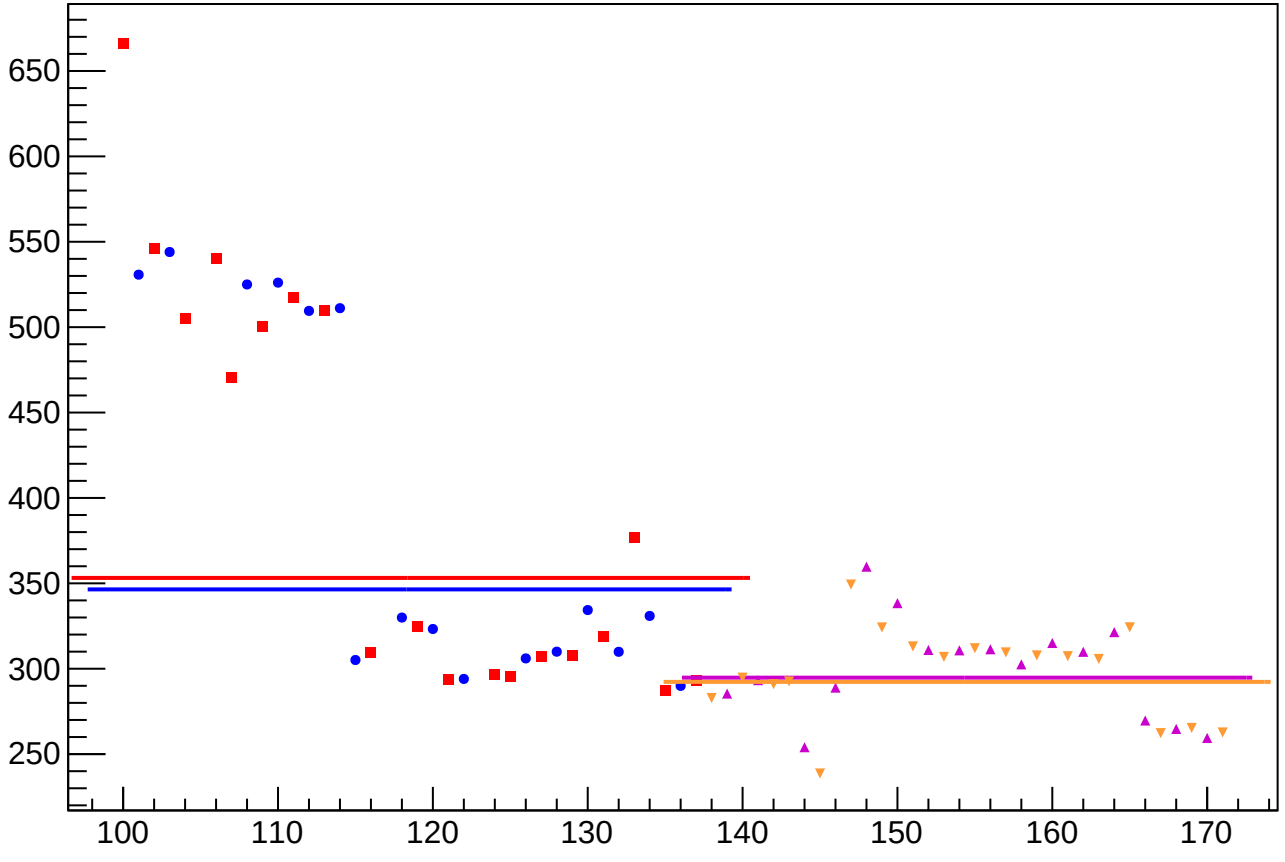
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -83.065+/-69.576 χ^2/NDF:36.8/31

Out: -124.109+/-67.237 χ^2/NDF:51.7/36

All: -104.288+/-48.350 χ^2/NDF: 88.7/68

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: 294.767+/-0.058 χ^2/NDF:229154.2/15

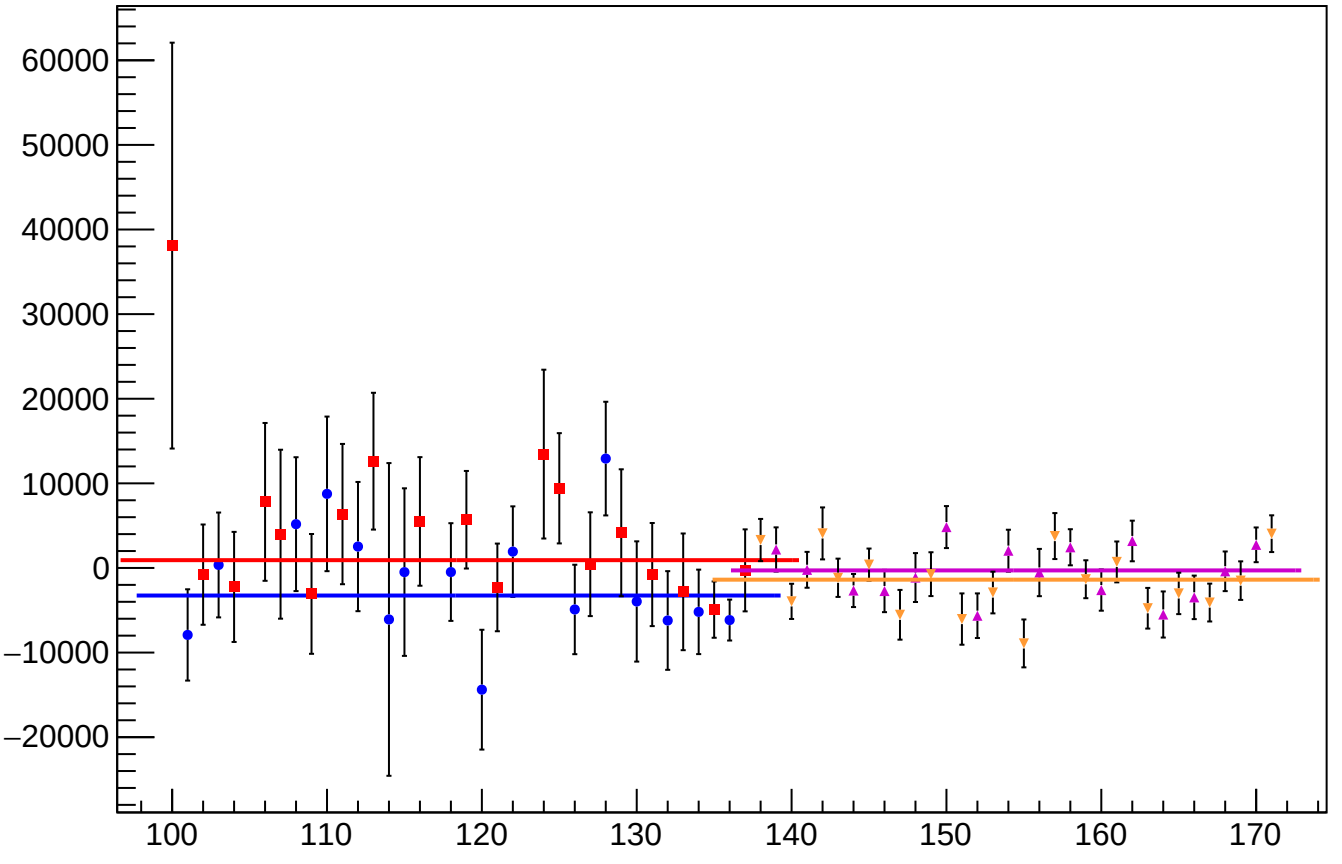
Left: 293.471+/-0.040 χ^2/NDF: 478323.4/33

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 309.011+/-0.049 χ^2/NDF:1218275.9/31

Out: 307.716+/-0.048 χ^2/NDF:1424678.4/36

All: 308.341+/-0.034 χ^2/NDF: 2643312.6/68



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1384.715+/-569.416 χ^2/NDF:35.5/17

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: -288.835+/-600.426 χ^2/NDF:24.7/15

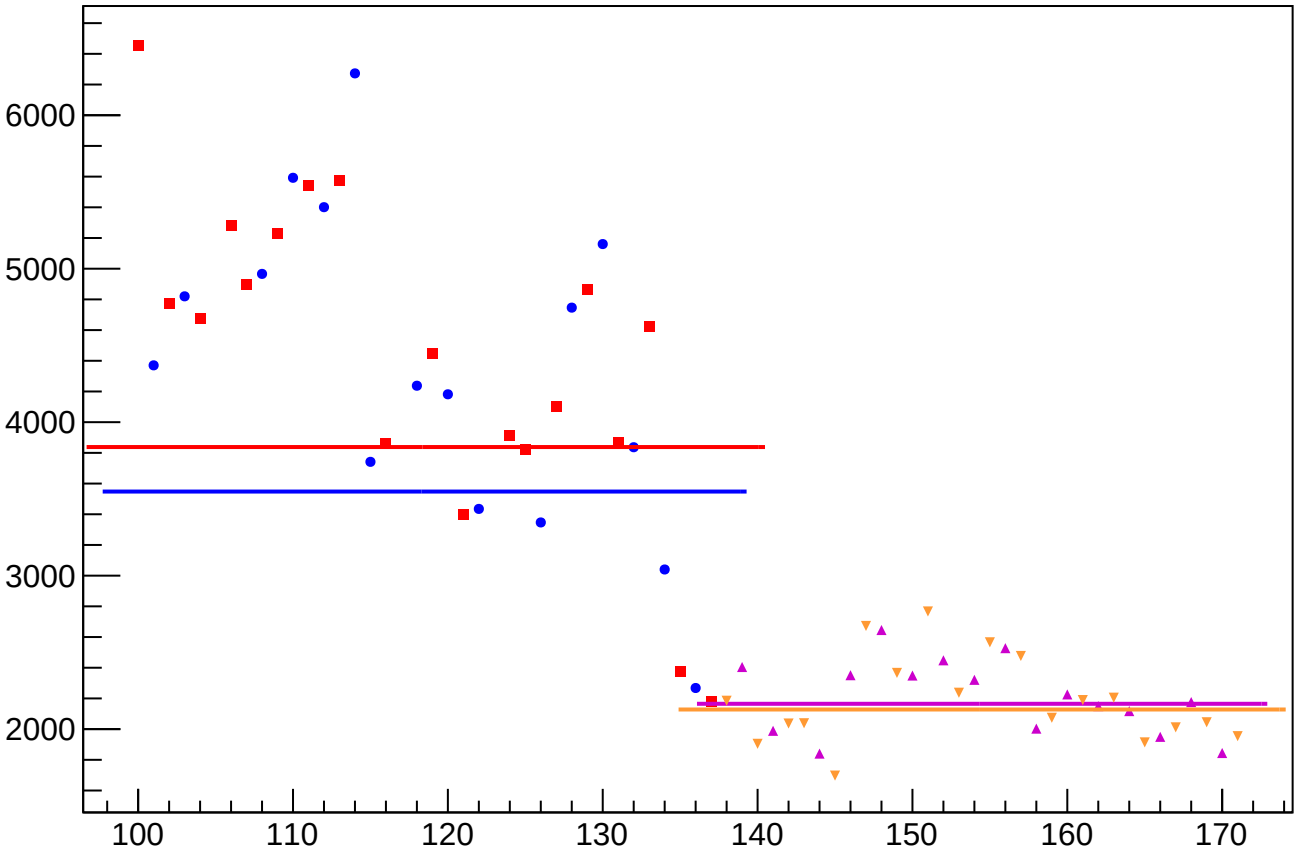
Left: -865.804+/-413.166 χ^2/NDF: 61.9/33

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -759.201+/-550.832 χ^2/NDF:44.6/31

Out: -1080.538+/-530.532 χ^2/NDF:52.3/36

All: -925.899+/-382.118 χ^2/NDF: 97.1/68



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: 2165.079+/-0.425 χ^2/NDF:304168.1/15

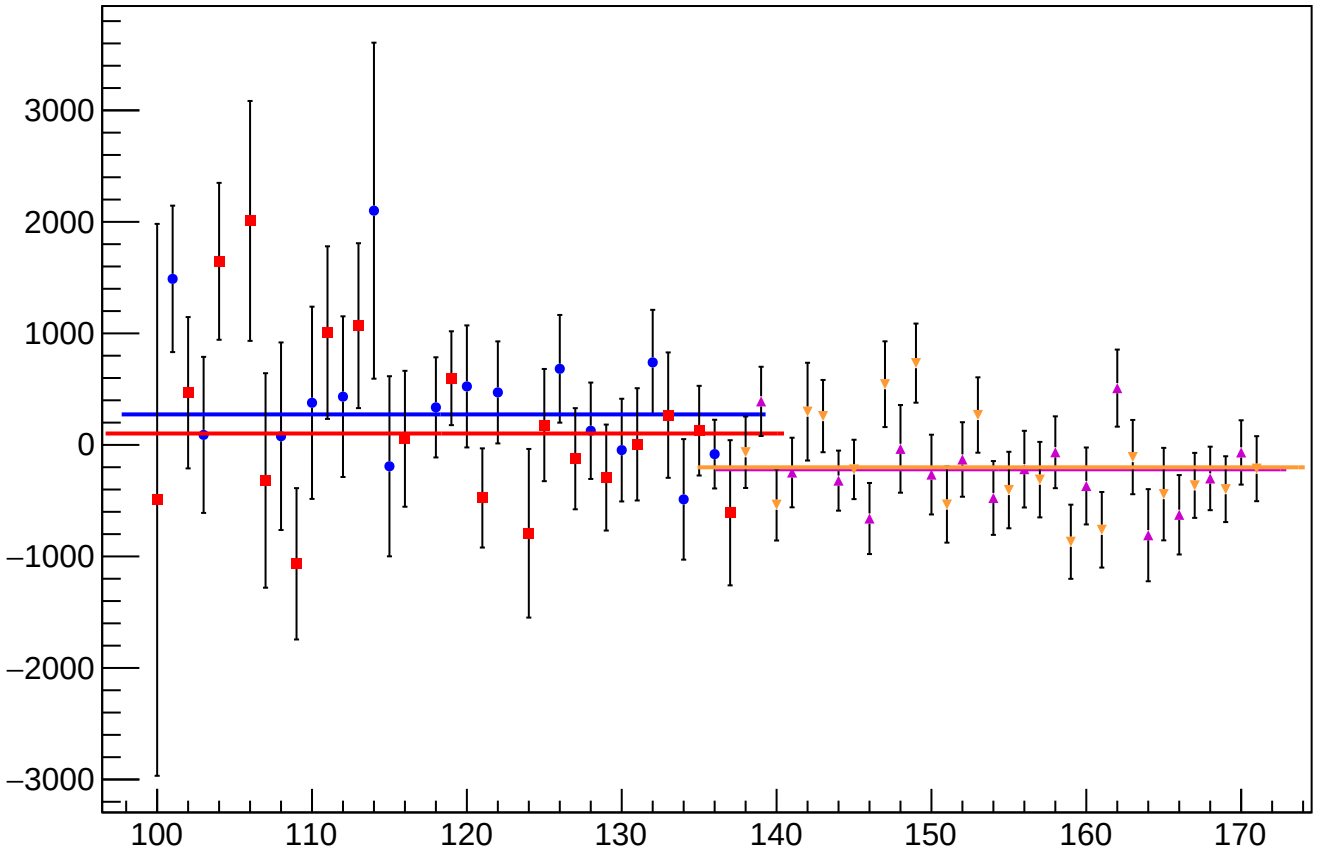
Left: 2145.488+/-0.292 χ^2/NDF: 739866.9/33

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2384.090+/-0.389 χ^2/NDF:3242874.6/31

Out: 2353.452+/-0.375 χ^2/NDF:3967058.5/36

All: 2368.196+/-0.270 χ^2/NDF: 7213143.0/68



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: -218.742+/-81.746 χ^2/NDF:15.4/15

Left: -209.393+/-56.359 χ^2/NDF: 42.0/33

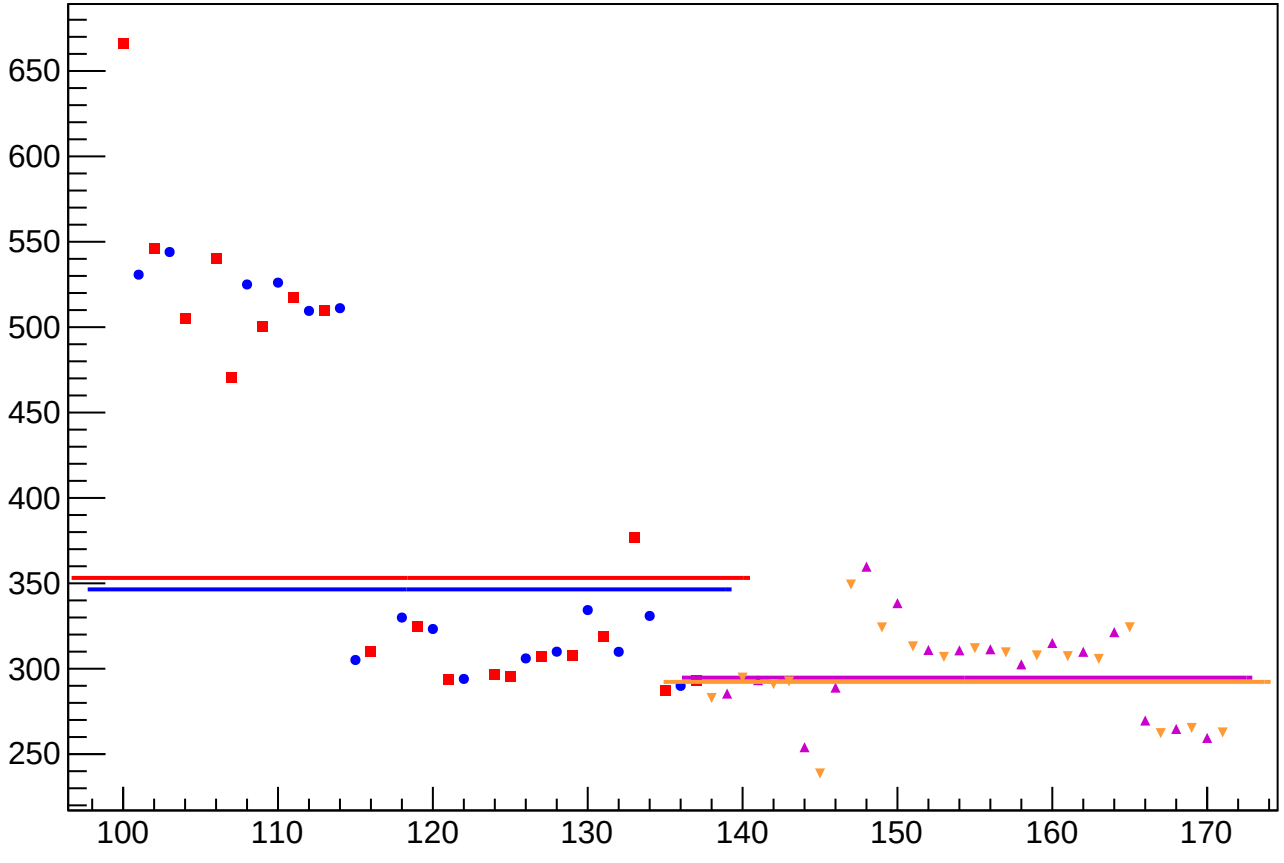
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -83.066+/-69.576 χ^2/NDF:36.8/31

Out: -124.112+/-67.237 χ^2/NDF:51.7/36

All: -104.291+/-48.350 χ^2/NDF: 88.7/68

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: 294.766+/-0.058 χ^2/NDF:229157.9/15

Left: 293.471+/-0.040 χ^2/NDF: 478333.0/33

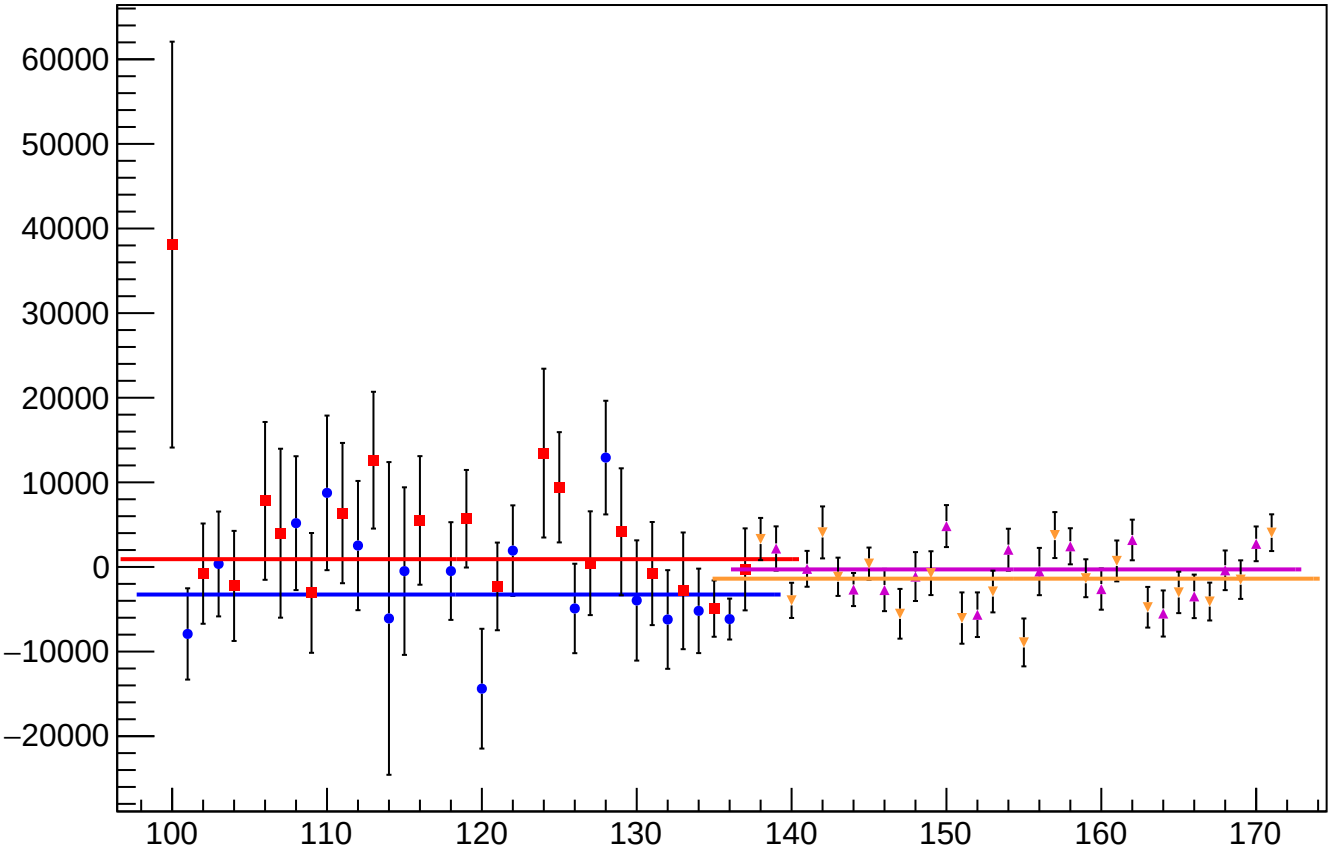
Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 309.010+/-0.049 χ^2/NDF:1218256.4/31

Out: 307.715+/-0.048 χ^2/NDF:1424662.7/36

All: 308.341+/-0.034 χ^2/NDF: 2643277.3/68

asym_sam2_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1384.715+/-569.416 χ^2/NDF:35.5/17

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: -288.834+/-600.425 χ^2/NDF:24.7/15

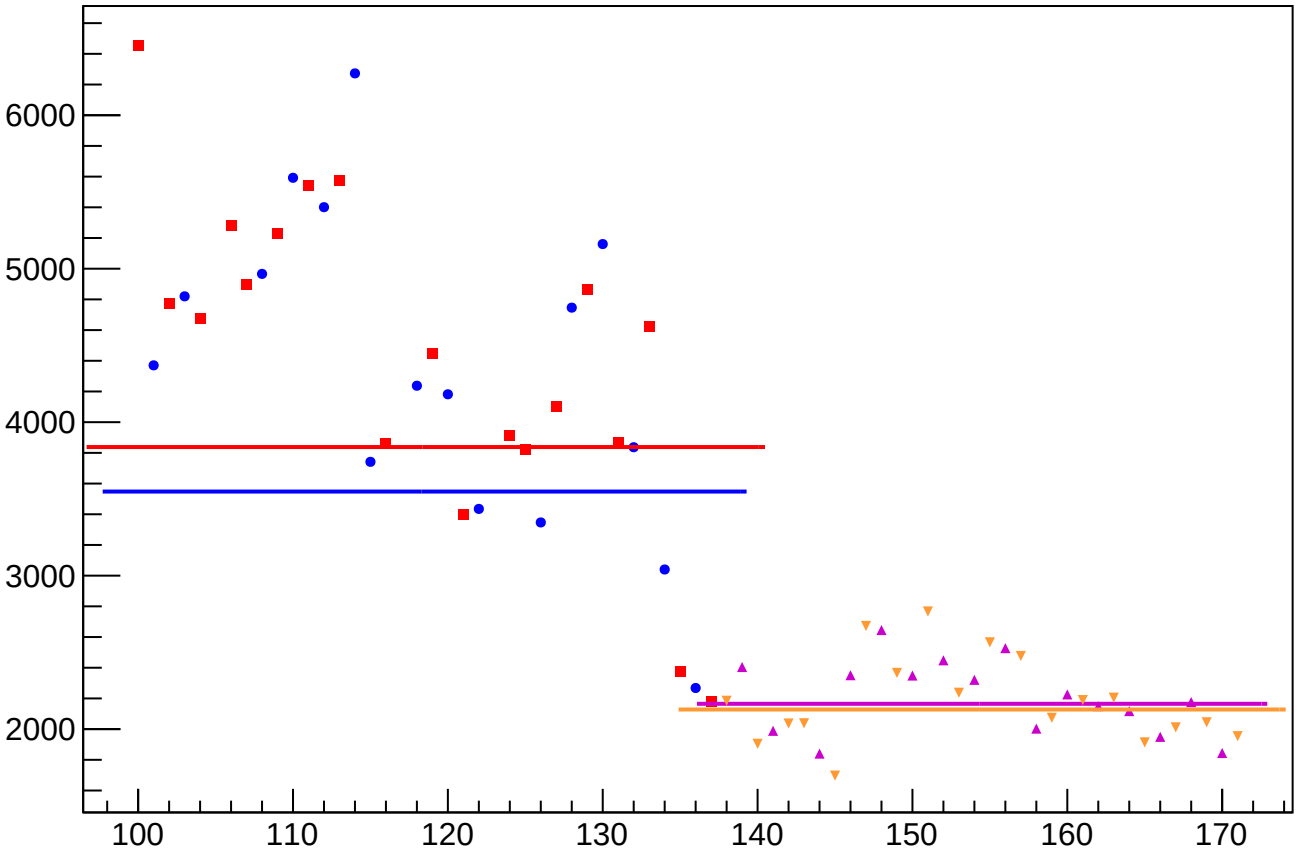
Left: -865.803+/-413.166 χ^2/NDF: 61.9/33

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -759.199+/-550.832 χ^2/NDF:44.6/31

Out: -1080.536+/-530.532 χ^2/NDF:52.3/36

All: -925.898+/-382.118 χ^2/NDF: 97.1/68



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: 2165.078+/-0.425 χ^2/NDF:304172.3/15

Left: 2145.487+/-0.292 χ^2/NDF: 739878.1/33

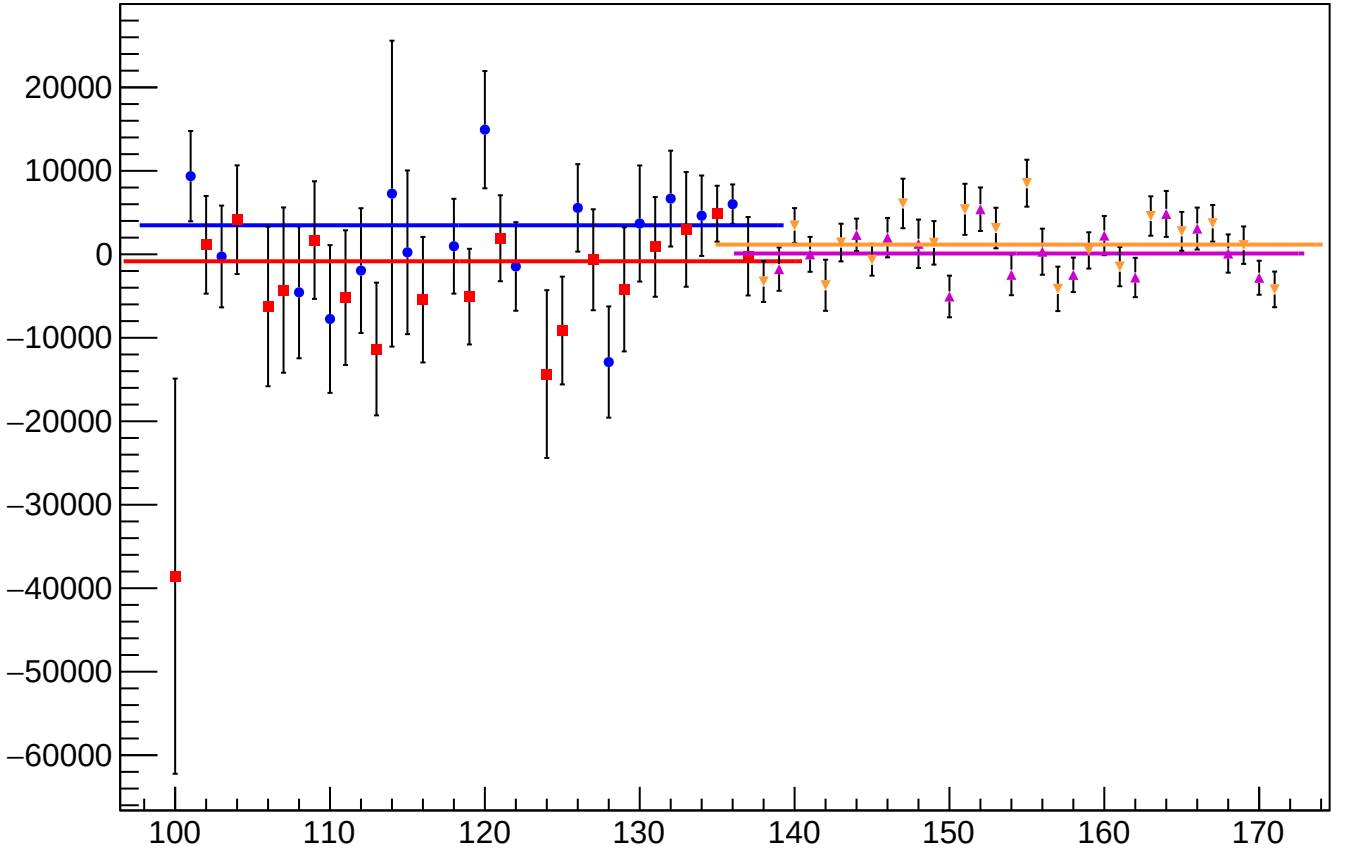
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2384.089+/-0.389 χ^2/NDF:3242863.8/31

Out: 2353.451+/-0.375 χ^2/NDF:3967052.6/36

All: 2368.195+/-0.270 χ^2/NDF: 7213126.2/68

asym_sam2_mean vs Slug, Sign Corrected



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: 98.385+/-591.254 χ^2/NDF:22.4/15

Left: 658.741+/-407.506 χ^2/NDF: 59.8/33

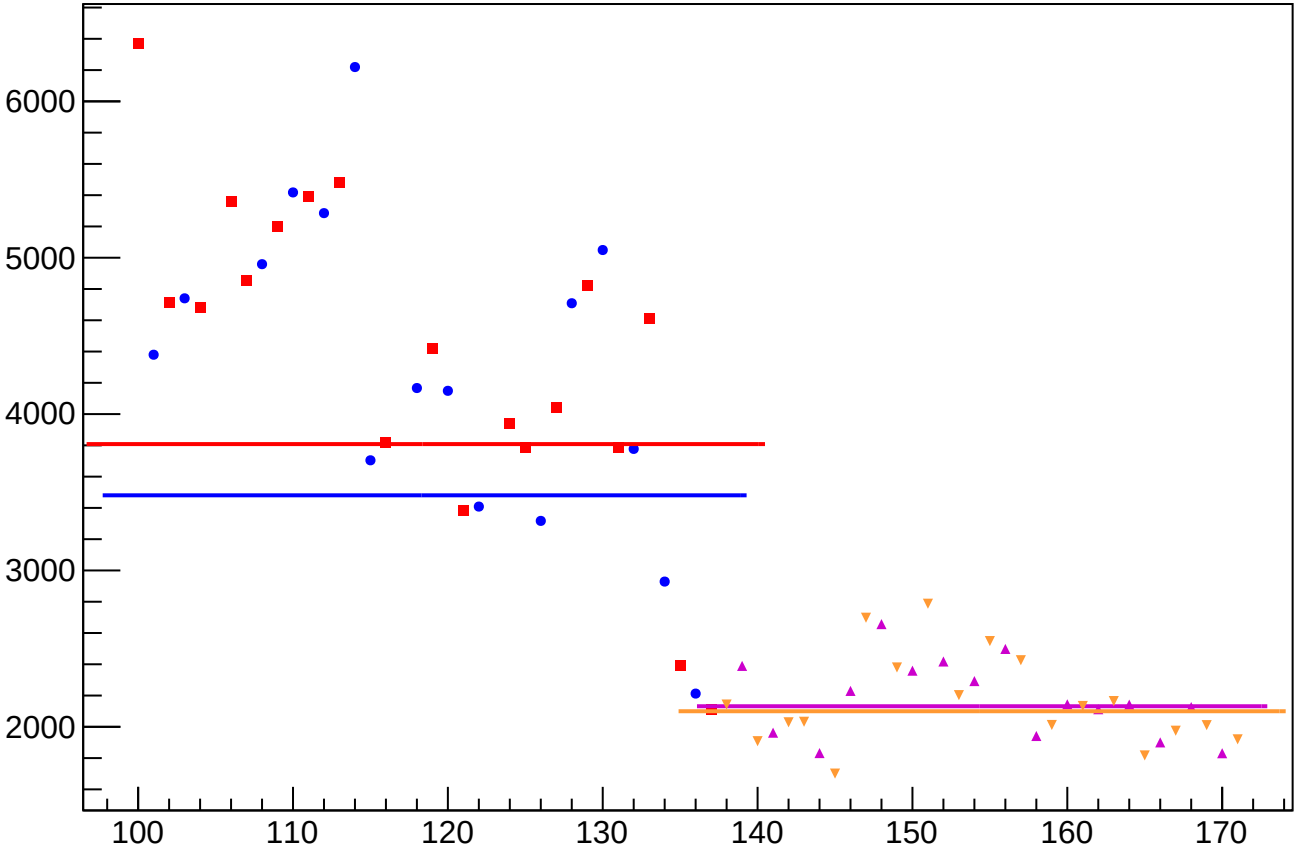
Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 635.431+/-542.251 χ^2/NDF:43.9/31

Out: 904.338+/-524.347 χ^2/NDF:51.4/36

All: 774.398+/-376.940 χ^2/NDF: 95.4/68

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: 2131.609+/-0.418 χ^2/NDF:311249.1/15

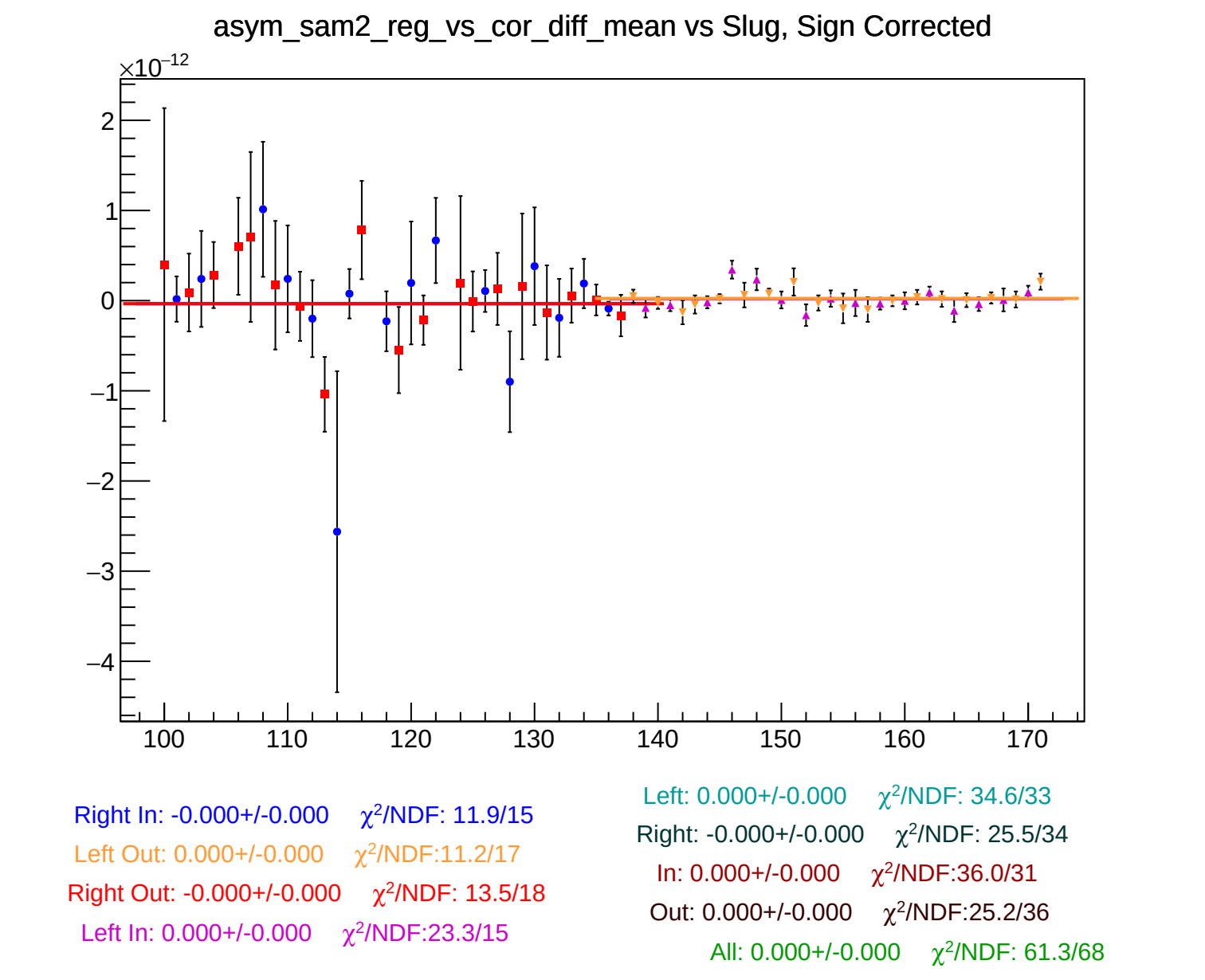
Left: 2114.843+/-0.288 χ^2/NDF: 770476.1/33

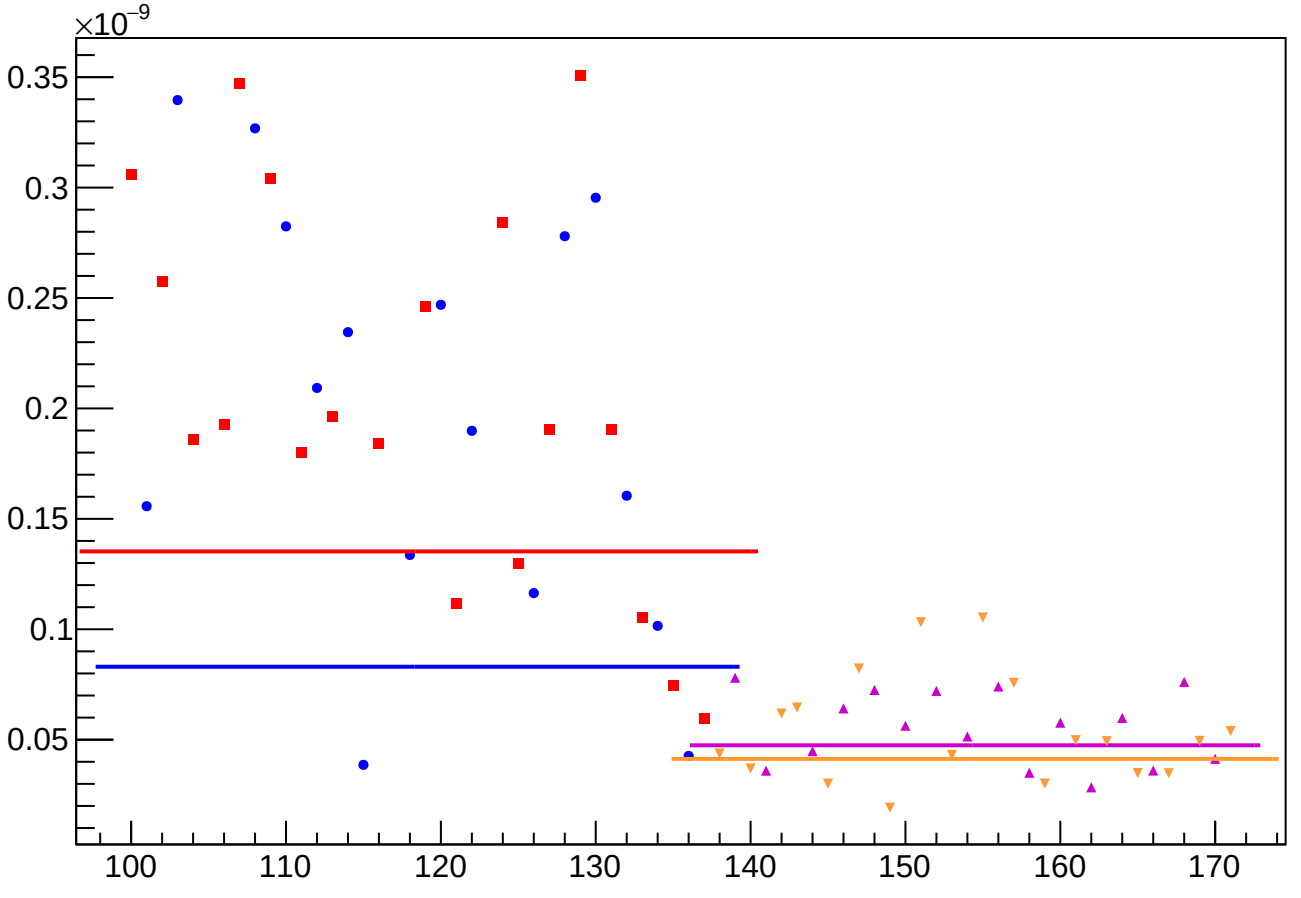
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2345.944+/-0.383 χ^2/NDF:3262020.9/31

Out: 2323.194+/-0.371 χ^2/NDF:4018233.6/36

All: 2334.187+/-0.267 χ^2/NDF: 7282073.7/68


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:11.2/17
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:23.3/15
Left: 0.000+/-0.000 χ²/NDF: 34.6/33
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:36.0/31
Out: 0.000+/-0.000 χ²/NDF:25.2/36
All: 0.000+/-0.000 χ²/NDF: 61.3/68



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:1015167.8/15

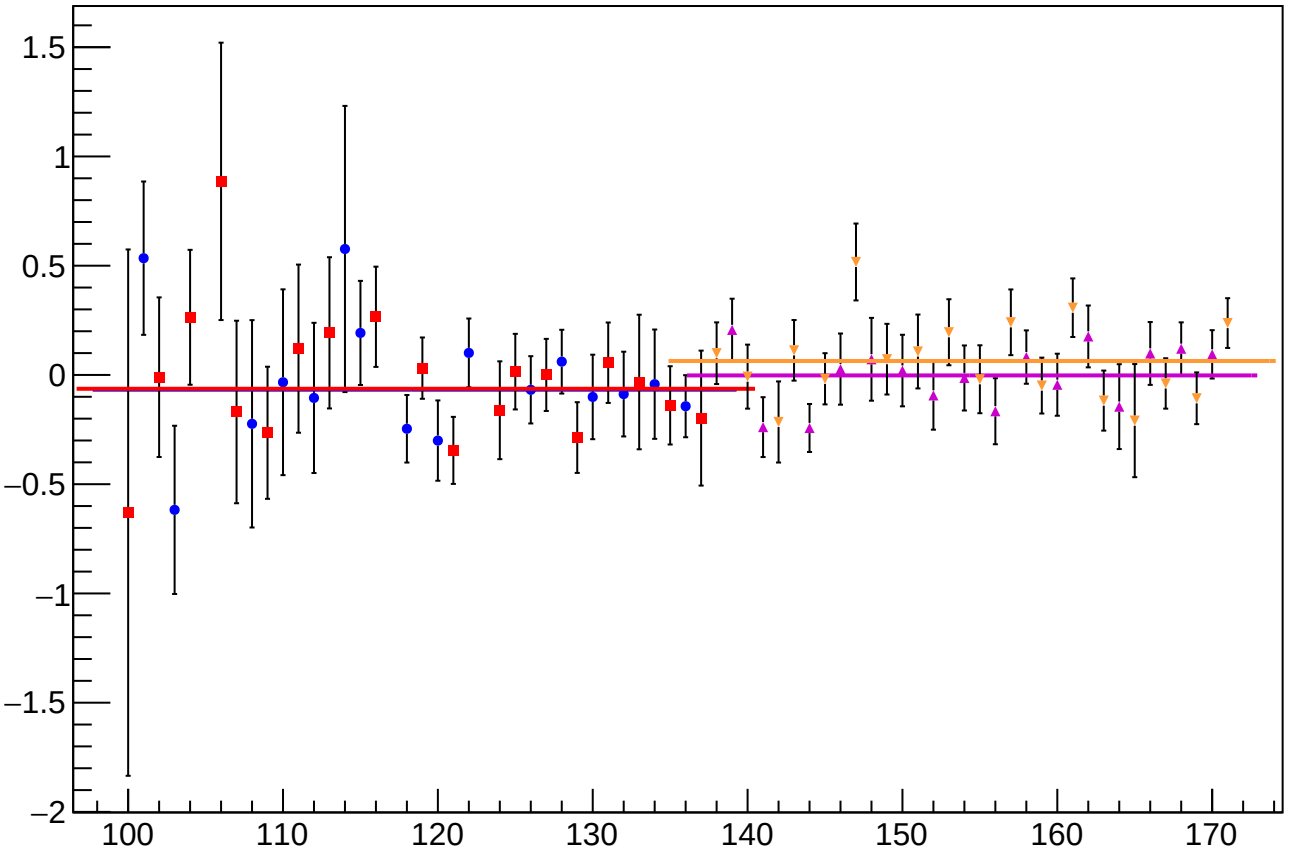
Left: 0.000+/-0.000 χ^2/NDF: 2827009.3/33

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4329194.2/31

Out: 0.000+/-0.000 χ^2/NDF:5459263.3/36

All: 0.000+/-0.000 χ^2/NDF: 9877694.8/68



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: -0.002+/-0.035 χ^2/NDF:16.6/15

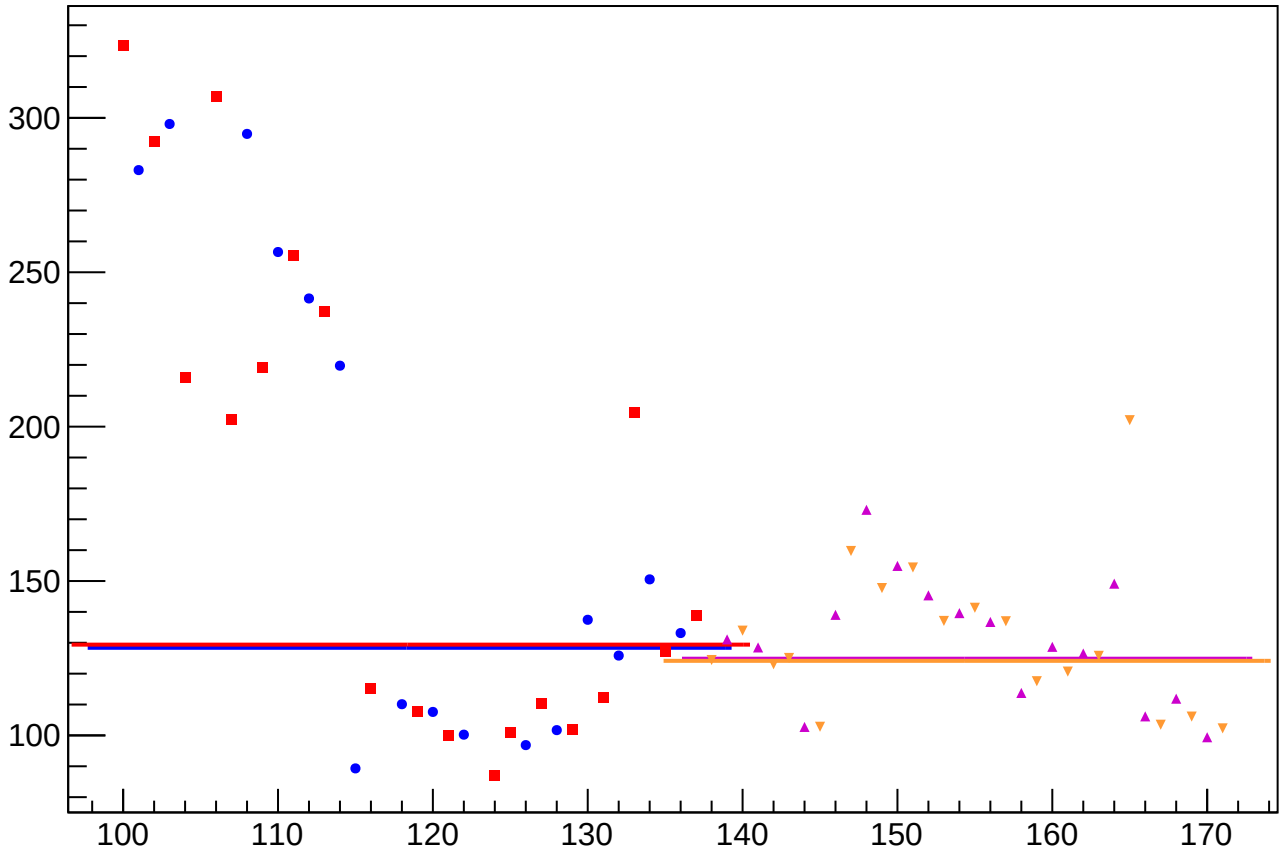
Left: 0.032+/-0.024 χ^2/NDF: 42.9/33

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.2/31

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.003+/-0.020 χ^2/NDF: 74.4/68



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: 124.840+/-0.025 χ^2/NDF:576660.2/15

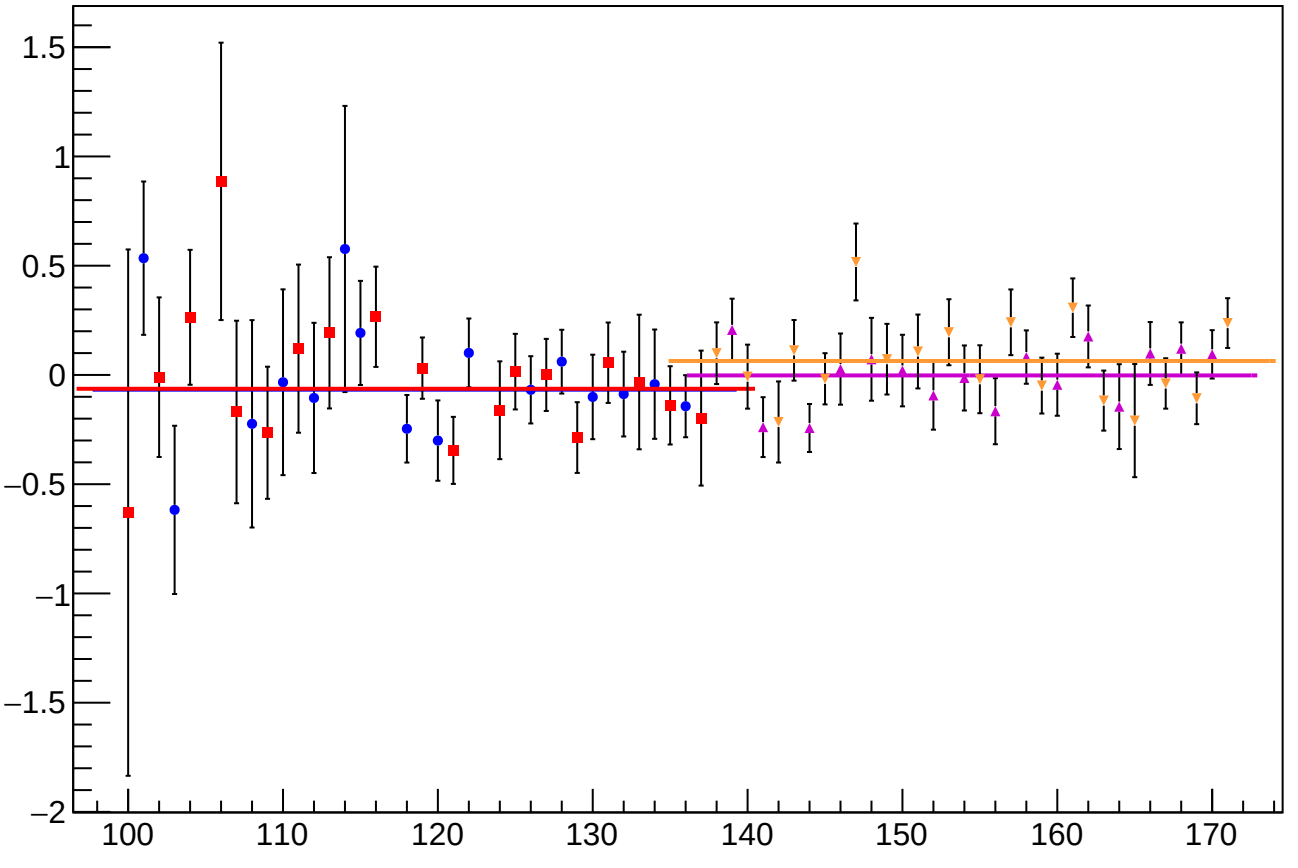
Left: 124.479+/-0.017 χ^2/NDF: 1267372.6/33

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.957+/-0.021 χ^2/NDF:2388138.6/31

Out: 125.703+/-0.020 χ^2/NDF:2593136.3/36

All: 125.826+/-0.014 χ^2/NDF: 4981353.6/68



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: -0.002+/-0.035 χ^2/NDF:16.6/15

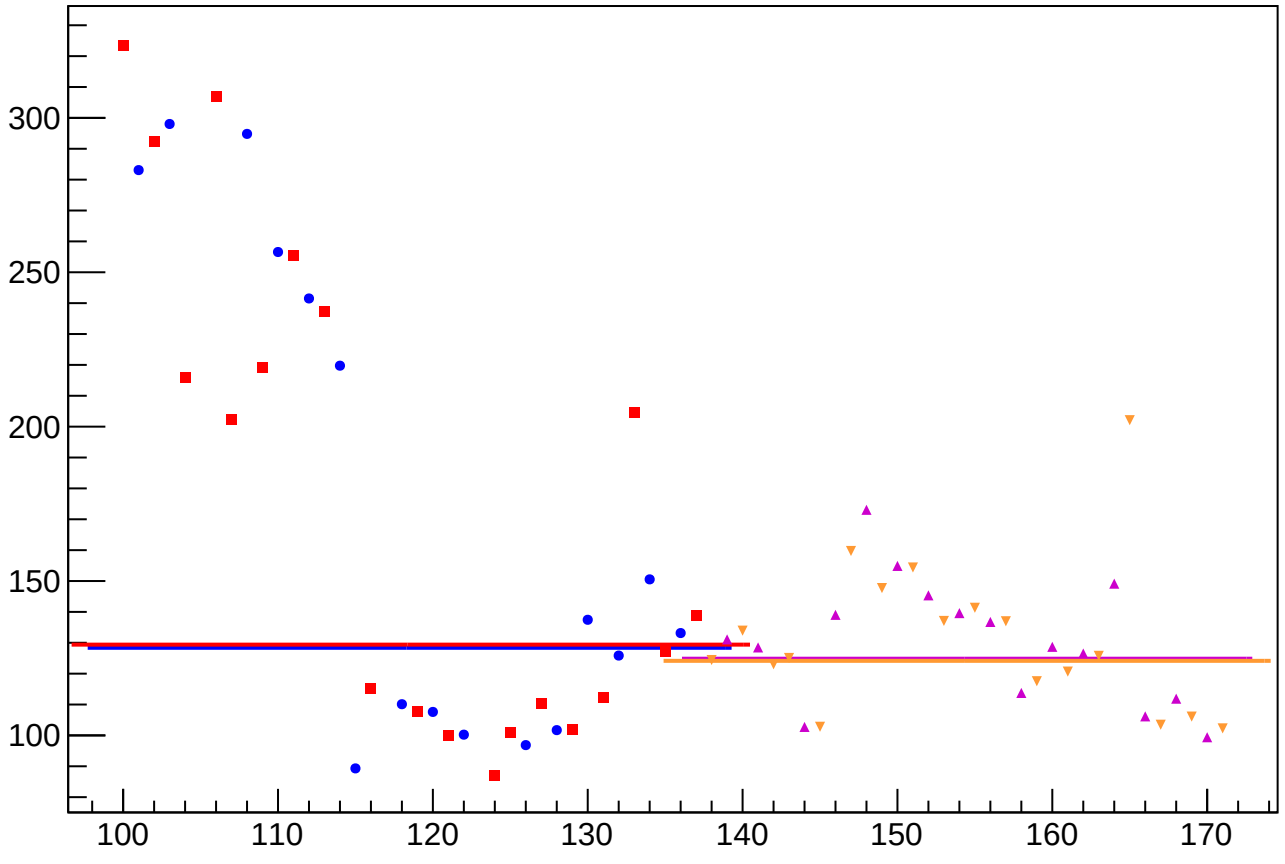
Left: 0.032+/-0.024 χ^2/NDF: 42.9/33

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.2/31

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.003+/-0.020 χ^2/NDF: 74.4/68



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: 124.840+/-0.025 χ^2/NDF:576660.2/15

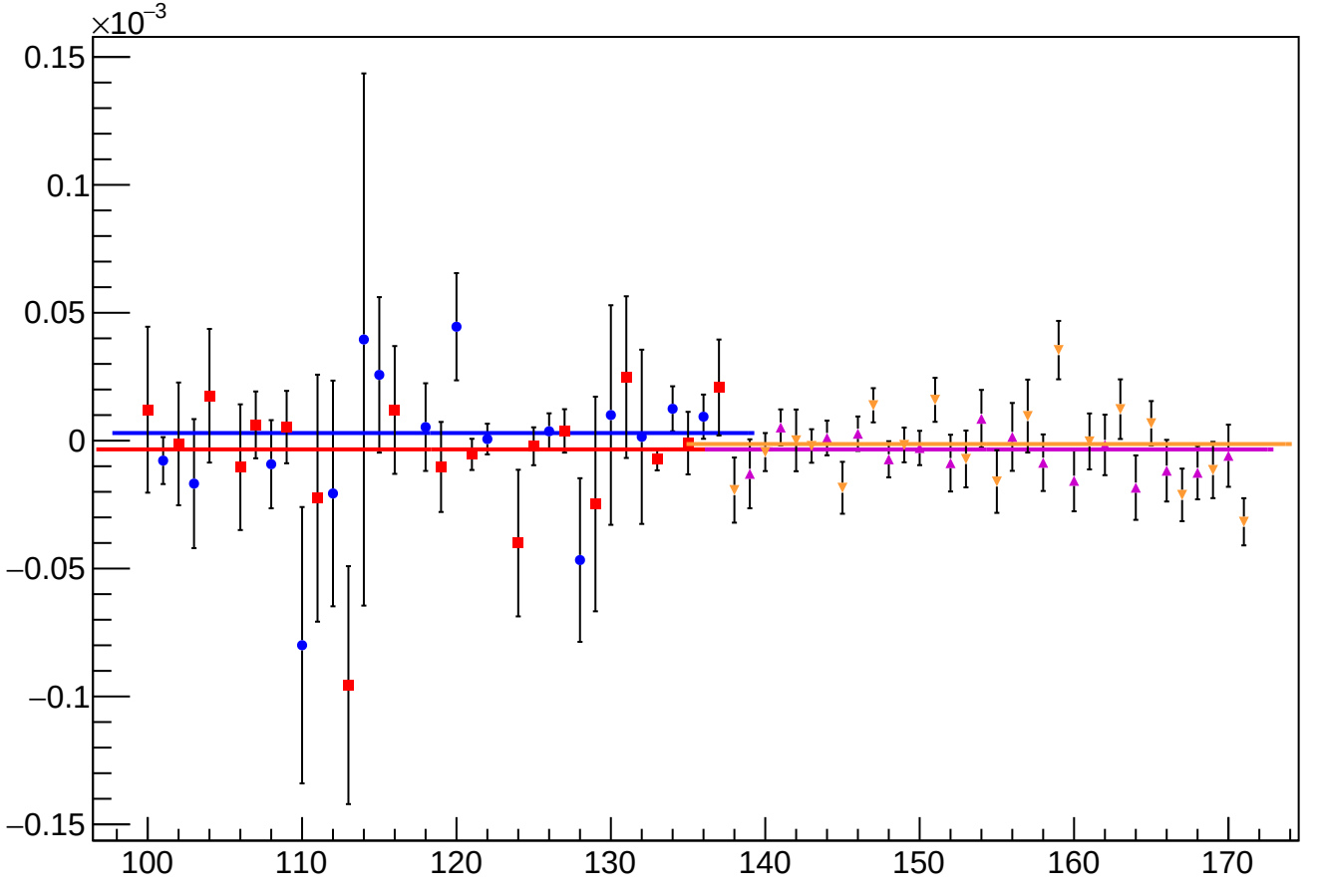
Left: 124.479+/-0.017 χ^2/NDF: 1267372.6/33

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 125.957+/-0.021 χ^2/NDF:2388138.6/31

Out: 125.703+/-0.020 χ^2/NDF:2593136.3/36

All: 125.826+/-0.014 χ^2/NDF: 4981353.6/68



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:9.1/15

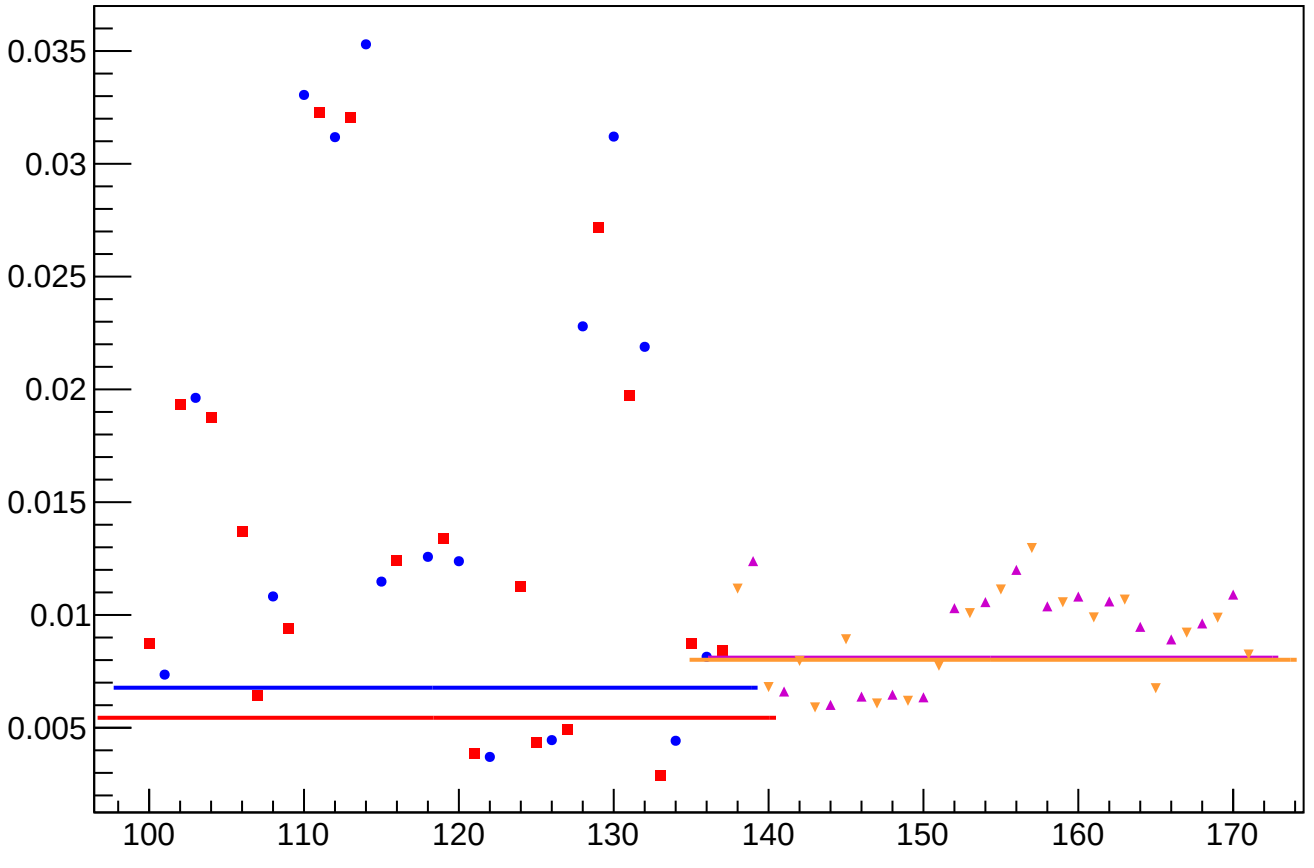
Left: -0.000+/-0.000 χ^2/NDF: 54.1/33

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:25.8/31

Out: -0.000+/-0.000 χ^2/NDF:57.6/36

All: -0.000+/-0.000 χ^2/NDF: 83.5/68



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:1662607.0/15

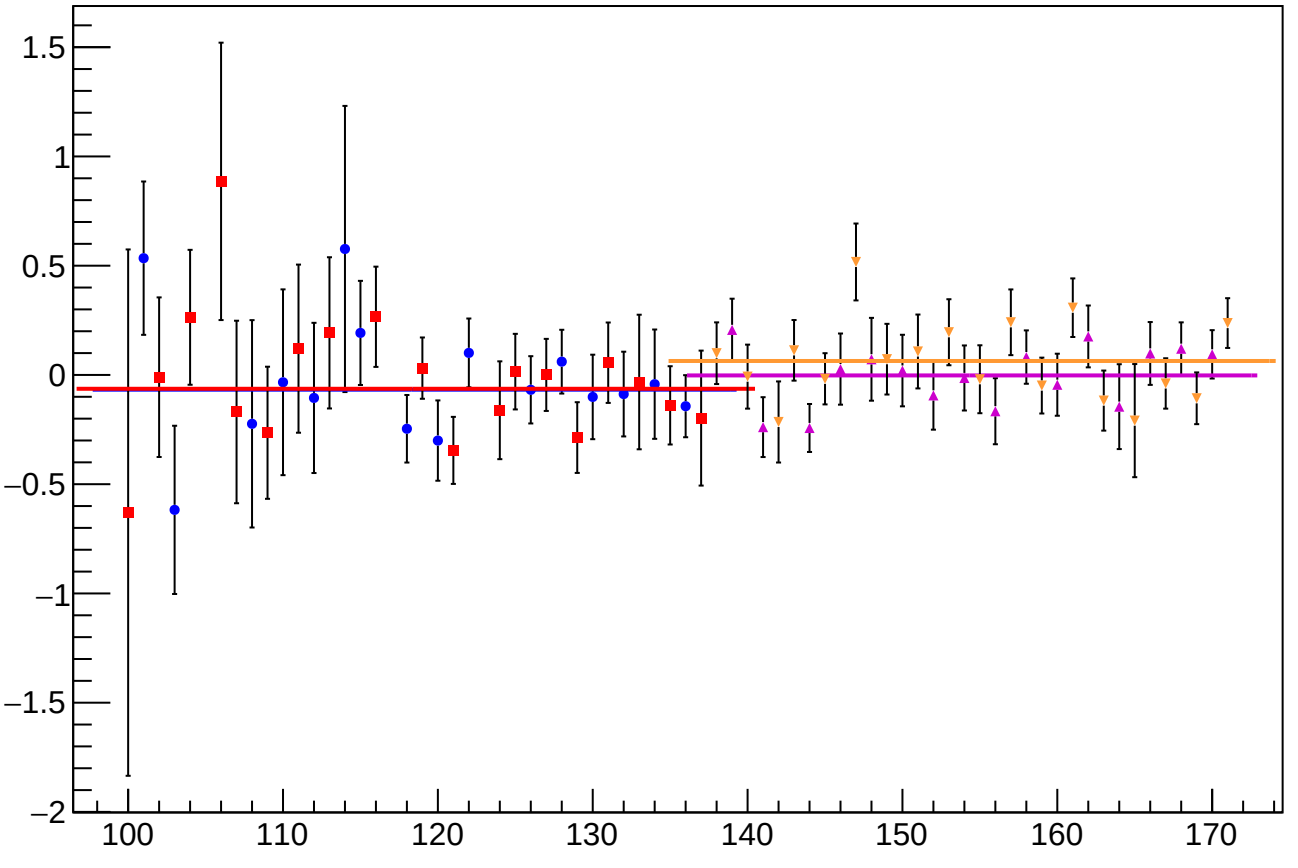
Left: 0.008+/-0.000 χ^2/NDF: 3209363.2/33

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6667265.3/31

Out: 0.007+/-0.000 χ^2/NDF:8261796.1/36

All: 0.007+/-0.000 χ^2/NDF: 15082202.0/68



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: -0.002+/-0.035 χ^2/NDF:16.6/15

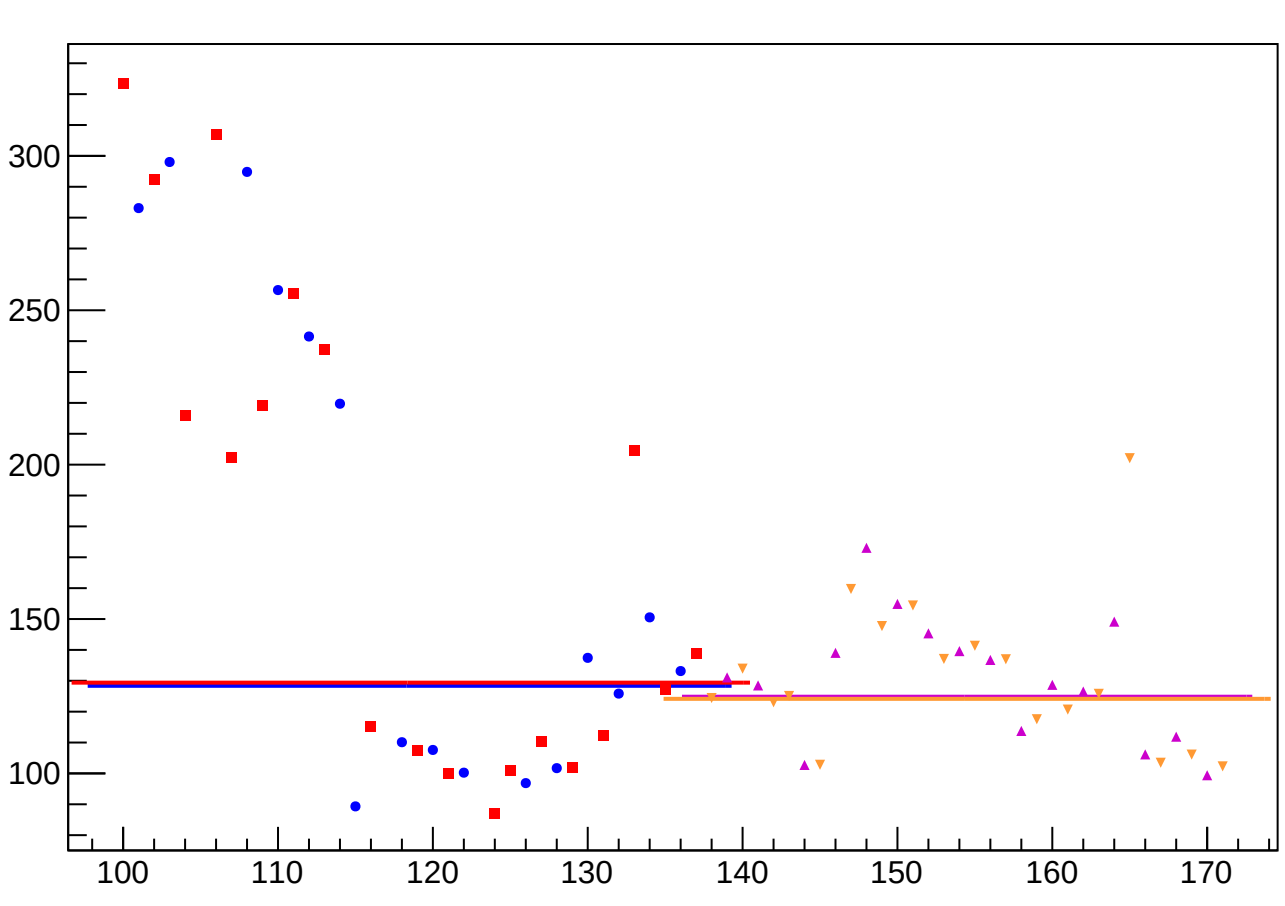
Left: 0.032+/-0.024 χ^2/NDF: 42.9/33

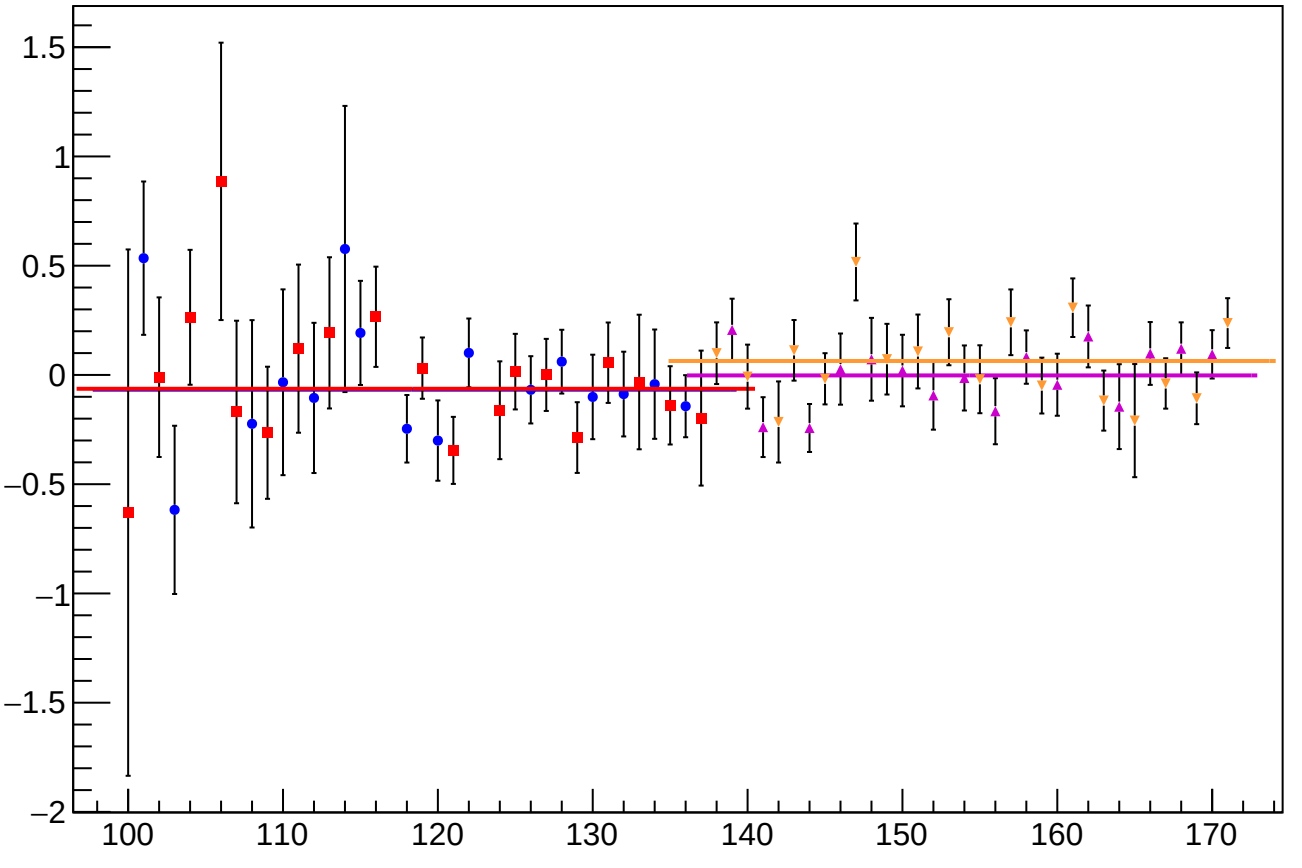
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.1/31

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.003+/-0.020 χ^2/NDF: 74.4/68


asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
300
250
200
150
100
100
110
120
130
140
150
160
170
Right In: 128.377+/-0.037 χ²/NDF: 1805026.7/15
Left Out: 124.151+/-0.024 χ²/NDF:690364.6/17
Right Out: 129.396+/-0.036 χ²/NDF: 1888272.8/18
Left In: 124.840+/-0.025 χ²/NDF:576700.7/15
Left: 124.479+/-0.017 χ²/NDF: 1267467.9/33
Right: 128.888+/-0.026 χ²/NDF: 3693688.1/34
In: 125.956+/-0.021 χ²/NDF:2388118.5/31
Out: 125.702+/-0.020 χ²/NDF:2593177.7/36
All: 125.824+/-0.014 χ²/NDF: 4981374.9/68



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: -0.002+/-0.035 χ^2/NDF:16.6/15

Left: 0.032+/-0.024 χ^2/NDF: 42.9/33

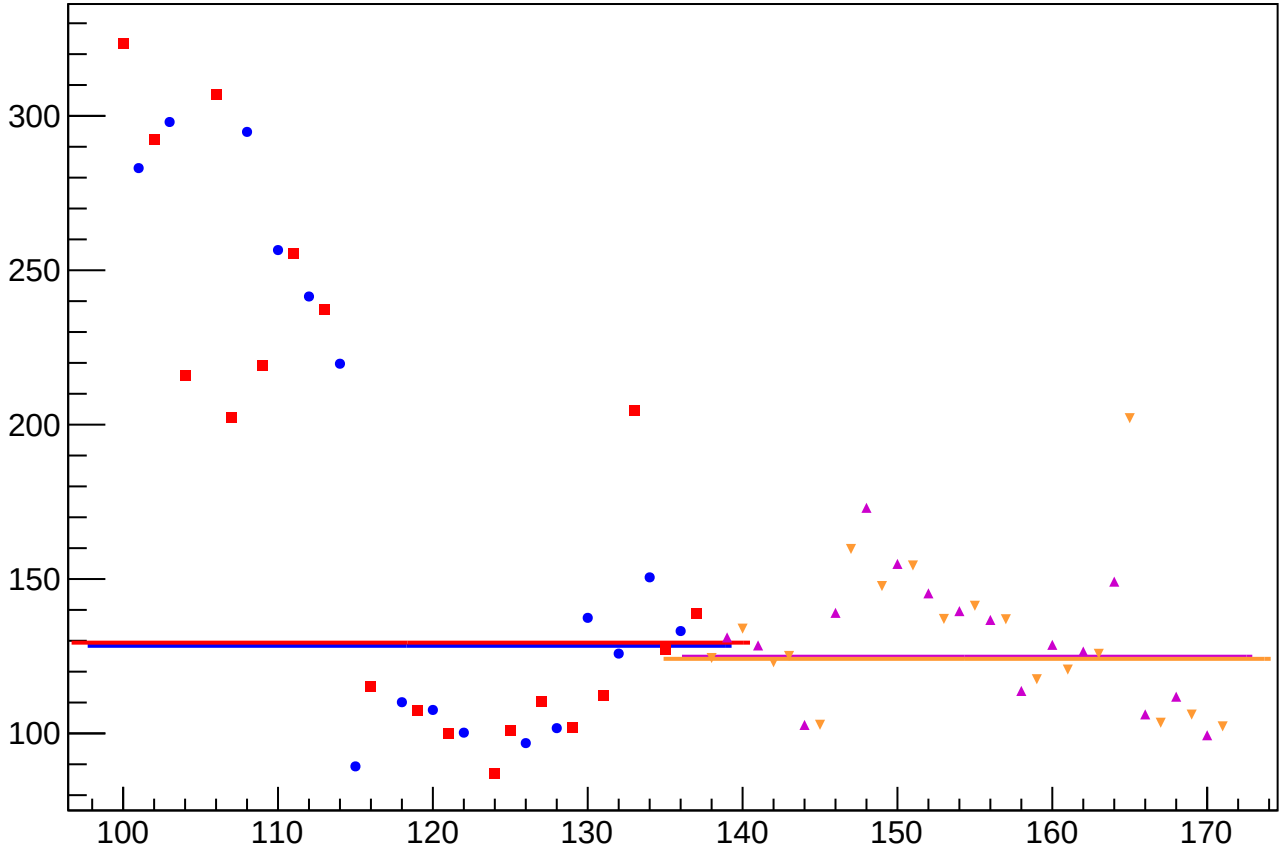
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.023+/-0.029 χ^2/NDF:30.1/31

Out: 0.026+/-0.028 χ^2/NDF:42.7/36

All: 0.003+/-0.020 χ^2/NDF: 74.4/68

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 124.151+/-0.024 χ^2/NDF:690364.6/17

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 124.840+/-0.025 χ^2/NDF:576700.7/15

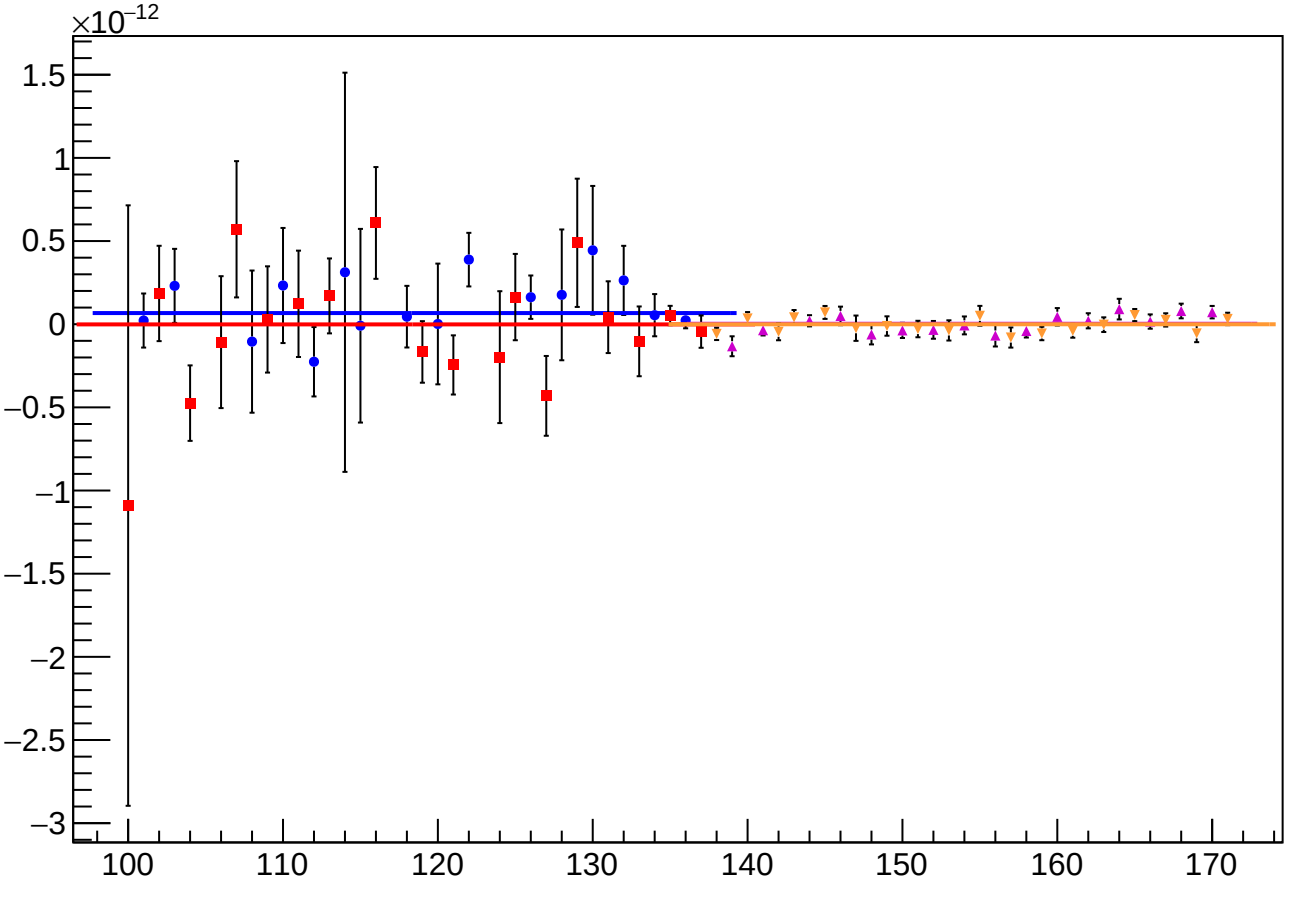
Left: 124.479+/-0.017 χ^2/NDF: 1267467.9/33

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 125.956+/-0.021 χ^2/NDF:2388118.5/31

Out: 125.702+/-0.020 χ^2/NDF:2593177.7/36

All: 125.824+/-0.014 χ^2/NDF: 4981374.9/68



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:21.8/15

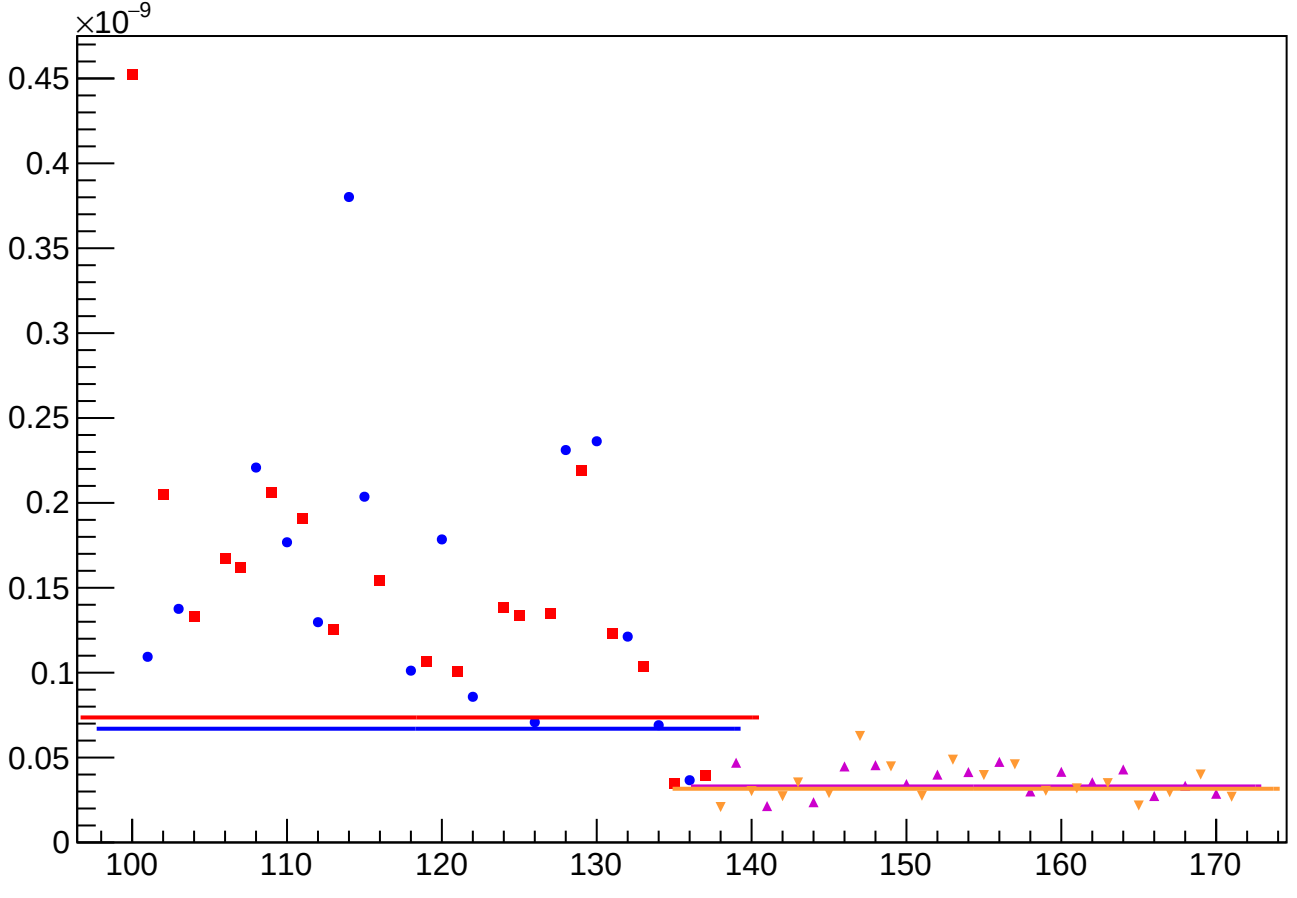
Left: 0.000+/-0.000 χ^2/NDF: 40.7/33

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.0/31

Out: -0.000+/-0.000 χ^2/NDF:39.5/36

All: 0.000+/-0.000 χ^2/NDF: 74.9/68



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:1071468.7/15

Left: 0.000+/-0.000 χ^2/NDF: 2300612.5/33

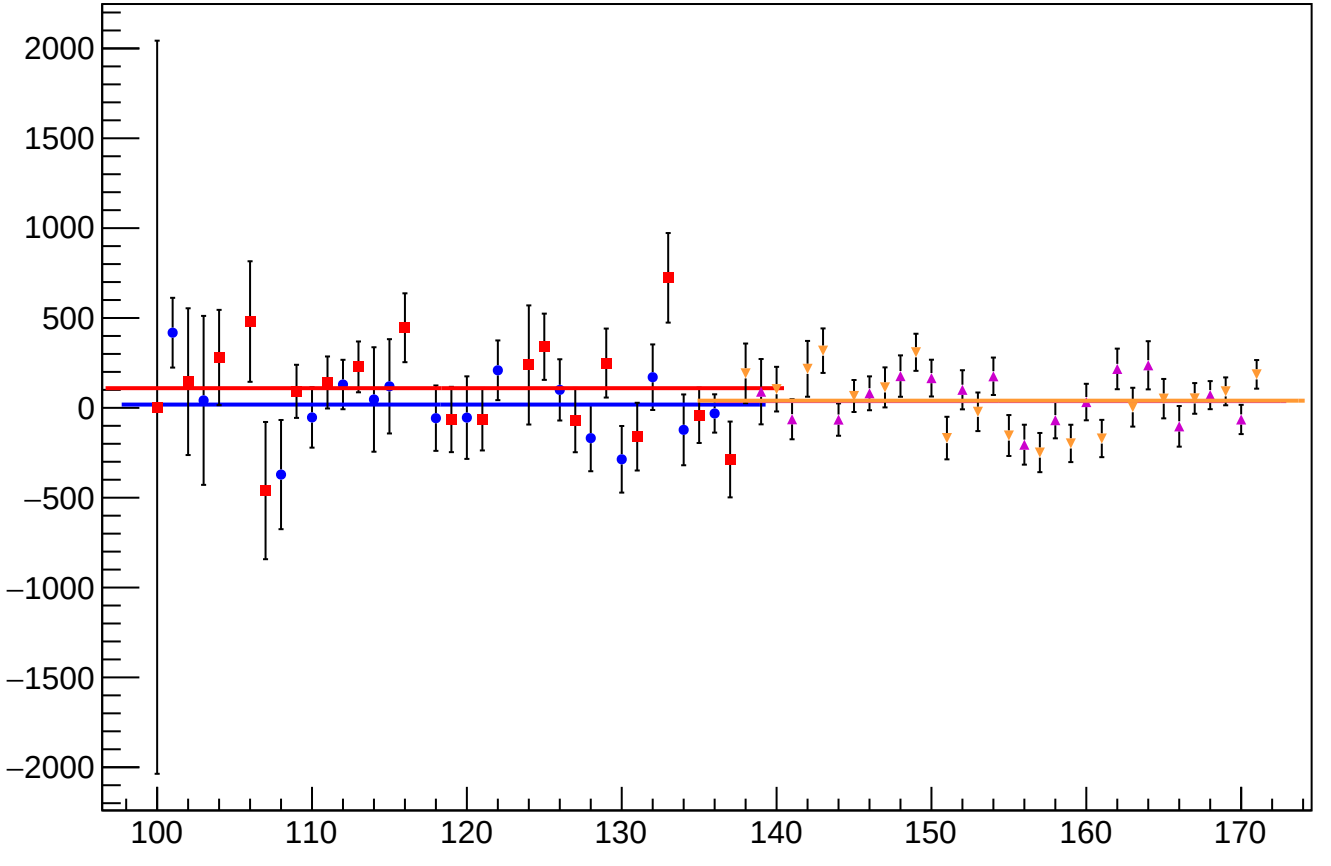
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:5864146.6/31

Out: 0.000+/-0.000 χ^2/NDF:6986977.3/36

All: 0.000+/-0.000 χ^2/NDF: 12873444.3/68

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: 37.566+/-25.847 χ^2/NDF:21.4/15

Left: 38.764+/-17.846 χ^2/NDF: 62.9/33

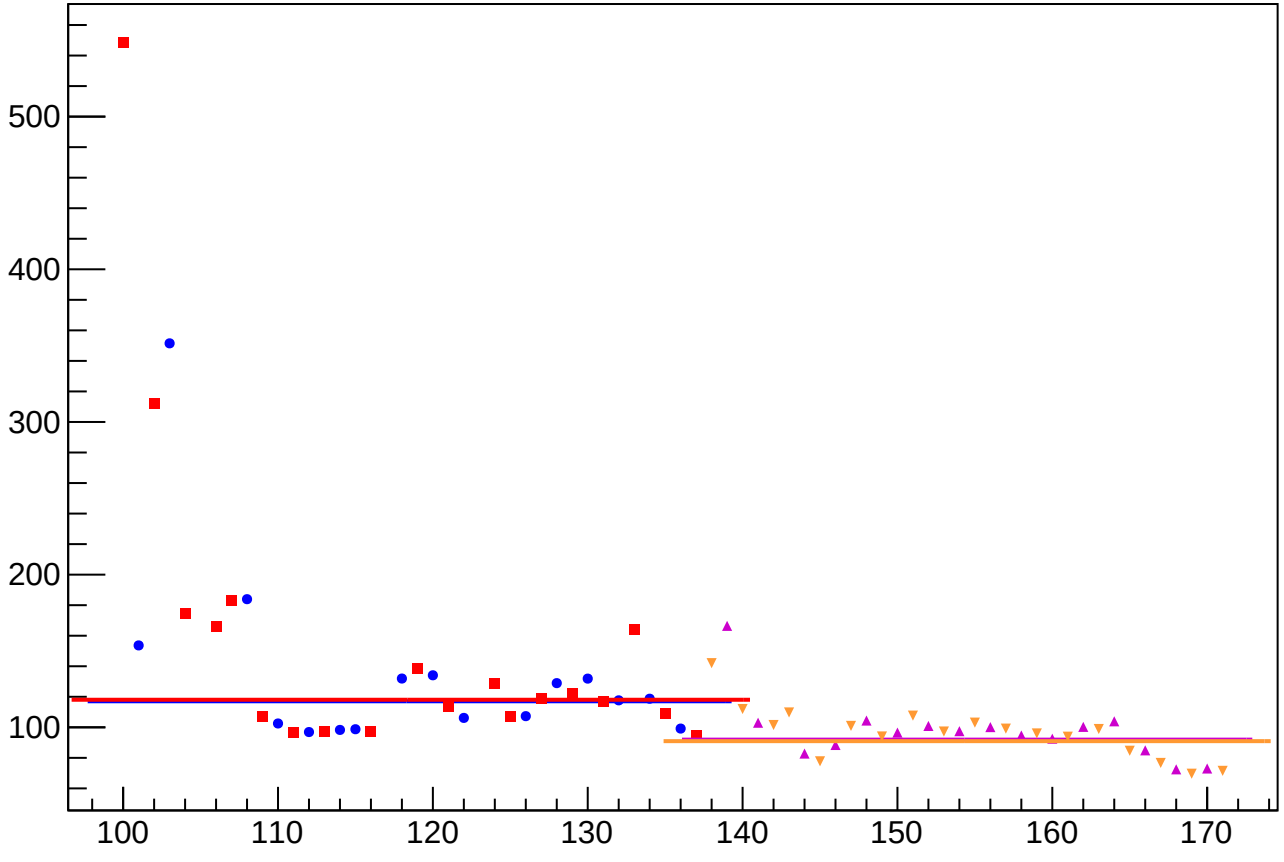
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 32.874+/-22.499 χ^2/NDF:35.4/31

Out: 55.490+/-21.723 χ^2/NDF:68.7/36

All: 44.579+/-15.627 χ^2/NDF: 104.7/68

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: 91.942+/-0.018 χ^2/NDF:705193.2/15

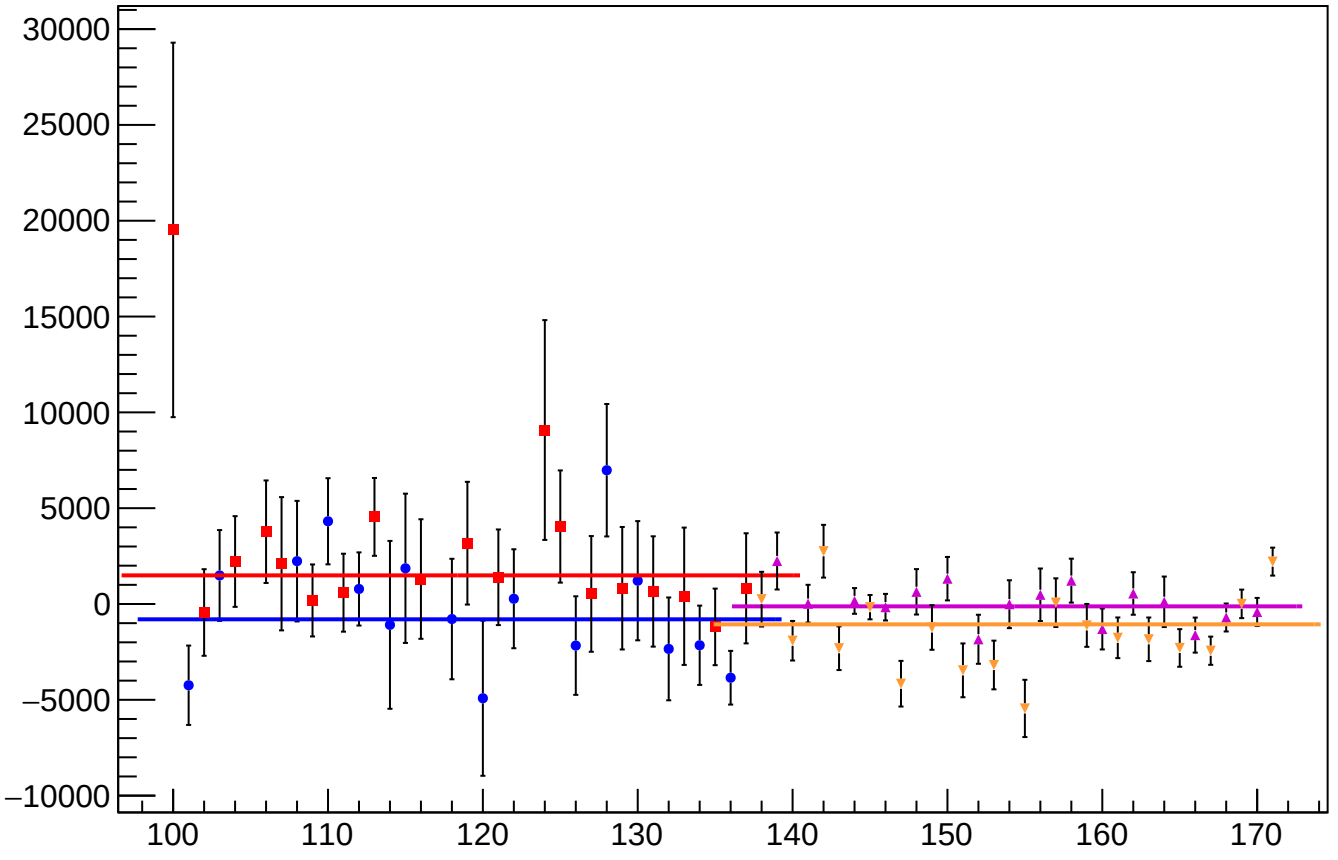
Left: 91.420+/-0.013 χ^2/NDF: 1501498.7/33

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 98.030+/-0.016 χ^2/NDF:2021371.3/31

Out: 97.037+/-0.015 χ^2/NDF:2328303.2/36

All: 97.516+/-0.011 χ^2/NDF: 4351688.0/68



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: -123.249+/-242.420 χ^2/NDF:13.2/15

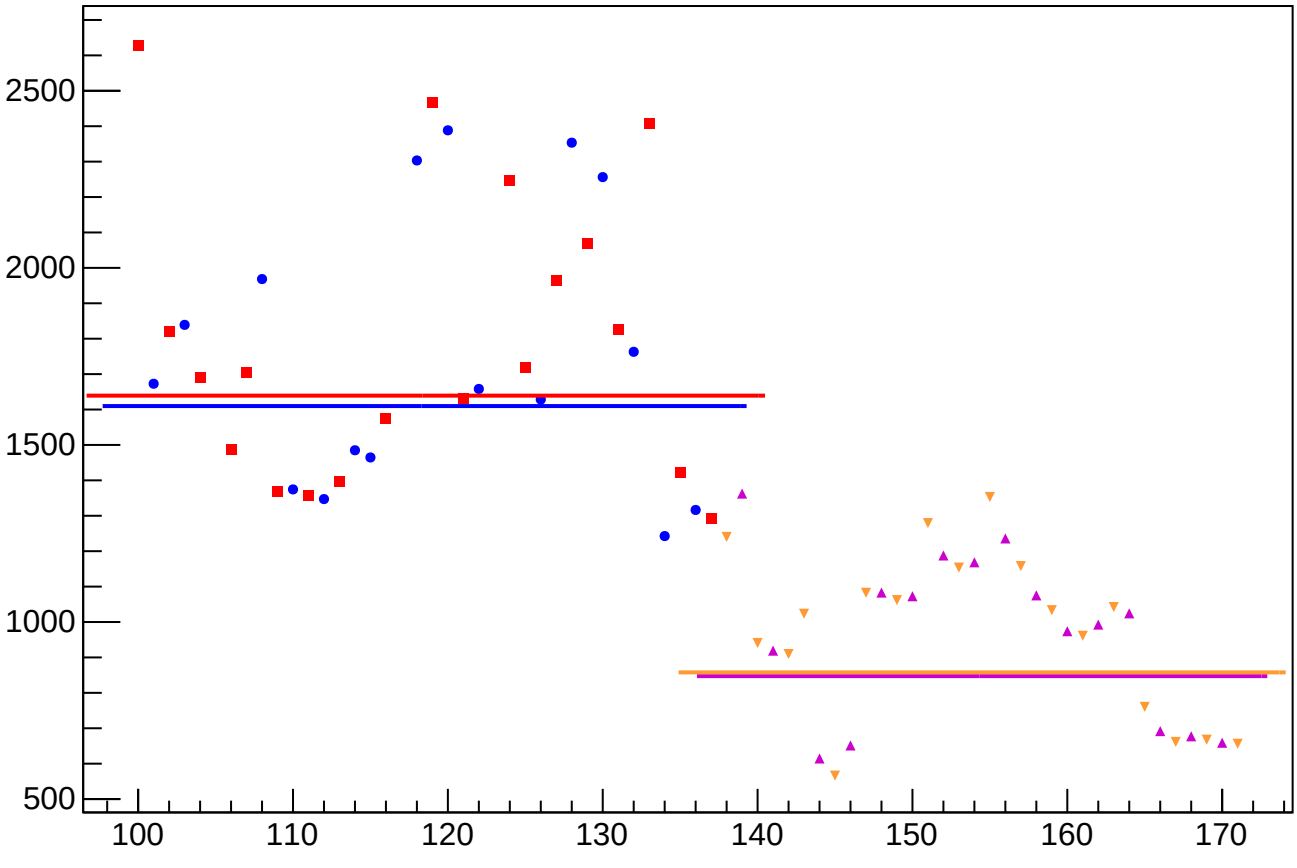
Left: -603.860+/-169.285 χ^2/NDF: 83.4/33

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: -213.885+/-225.581 χ^2/NDF:37.7/31

Out: -730.322+/-220.653 χ^2/NDF:90.5/36

All: -477.805+/-157.739 χ^2/NDF: 130.9/68



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: 847.191+/-0.171 χ^2/NDF:1719562.9/15

Left: 852.615+/-0.120 χ^2/NDF: 3663660.5/33

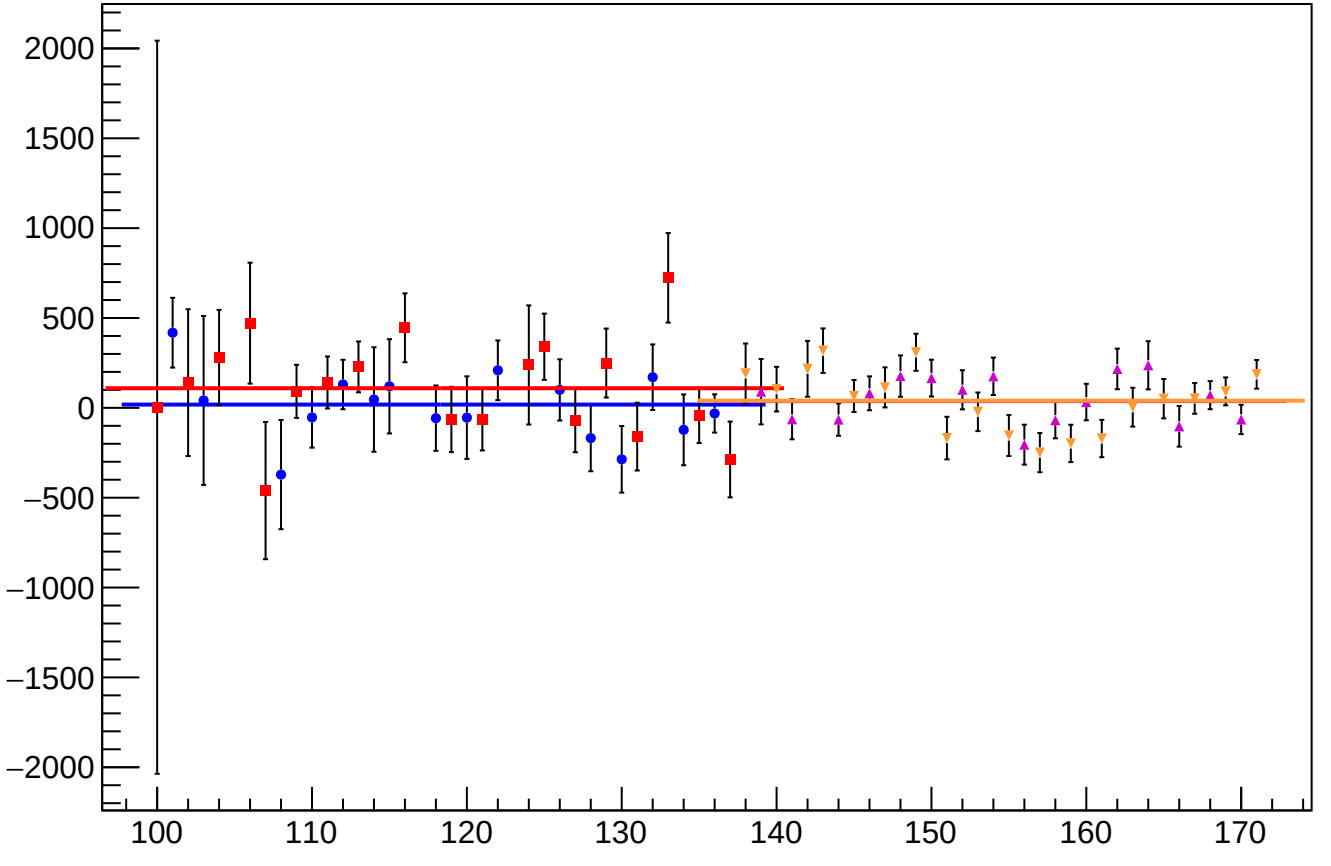
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 949.455+/-0.160 χ^2/NDF:4992721.2/31

Out: 958.999+/-0.156 χ^2/NDF:5290748.1/36

All: 954.332+/-0.112 χ^2/NDF: 10285298.6/68

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: 37.565+/-25.848 χ^2/NDF:21.4/15

Left: 38.765+/-17.846 χ^2/NDF: 62.9/33

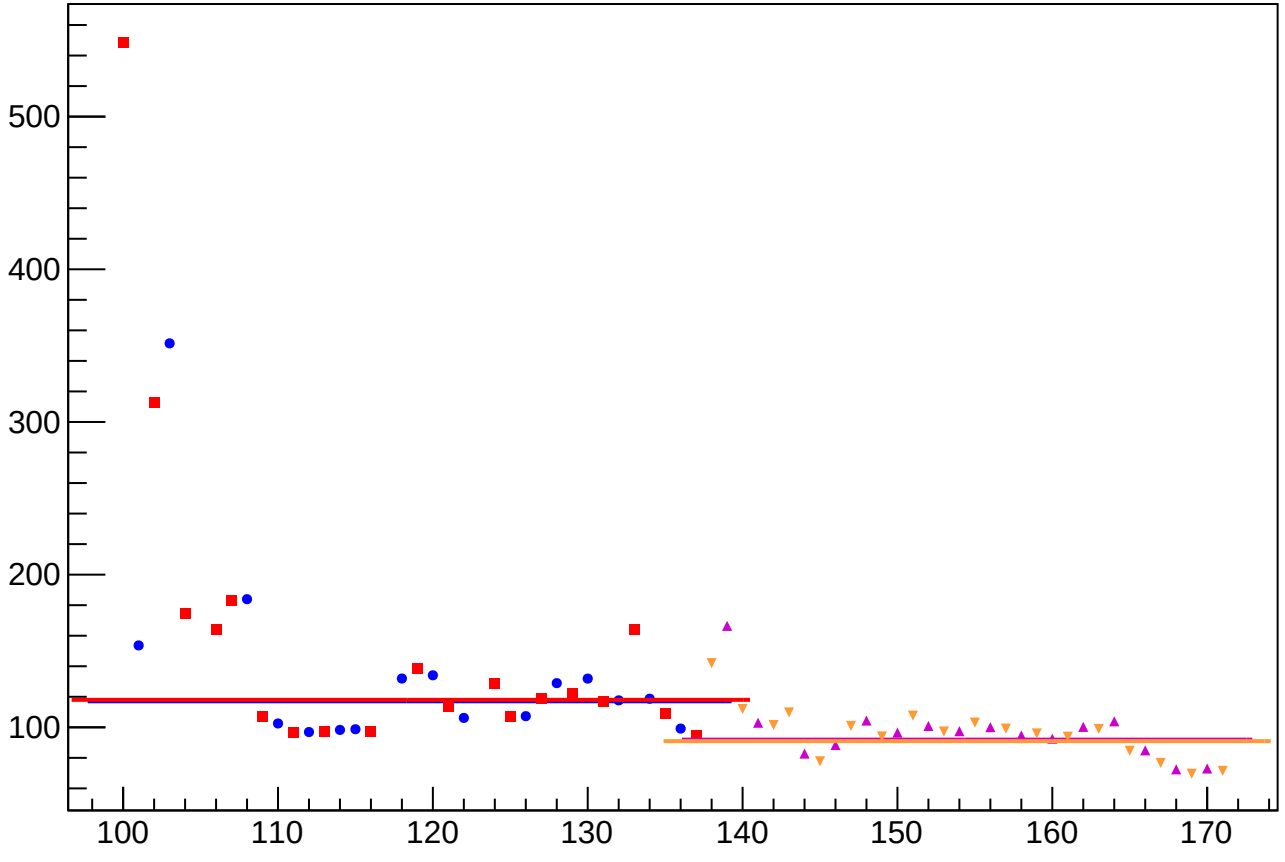
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 32.870+/-22.499 χ^2/NDF:35.4/31

Out: 55.428+/-21.723 χ^2/NDF:68.6/36

All: 44.545+/-15.628 χ^2/NDF: 104.6/68

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: 91.942+/-0.018 χ^2/NDF:705193.2/15

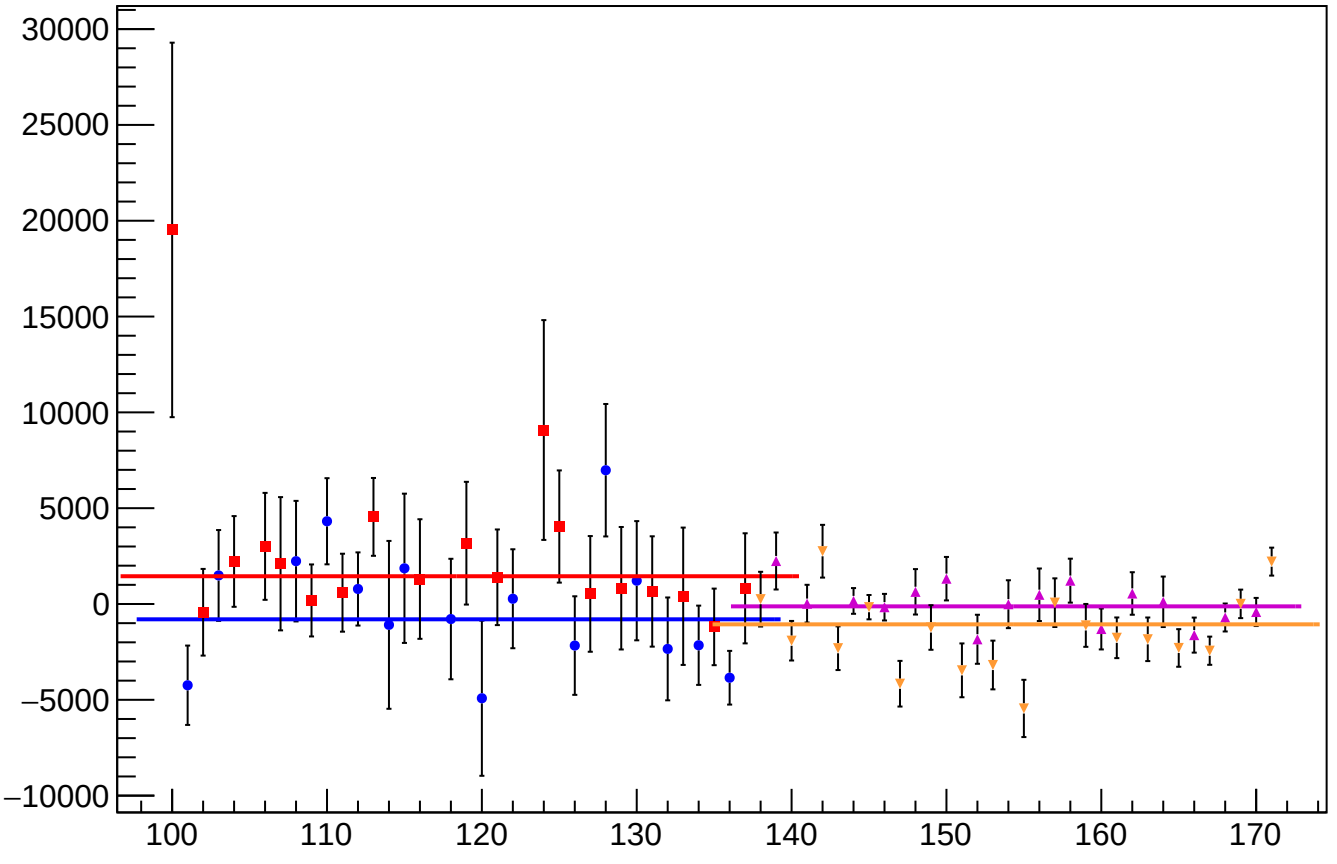
Left: 91.420+/-0.013 χ^2/NDF: 1501498.6/33

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 98.030+/-0.016 χ^2/NDF:2021373.1/31

Out: 97.025+/-0.015 χ^2/NDF:2321982.2/36

All: 97.510+/-0.011 χ^2/NDF: 4345418.8/68



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: -123.244+/-242.420 χ^2/NDF:13.2/15

Left: -603.854+/-169.285 χ^2/NDF: 83.4/33

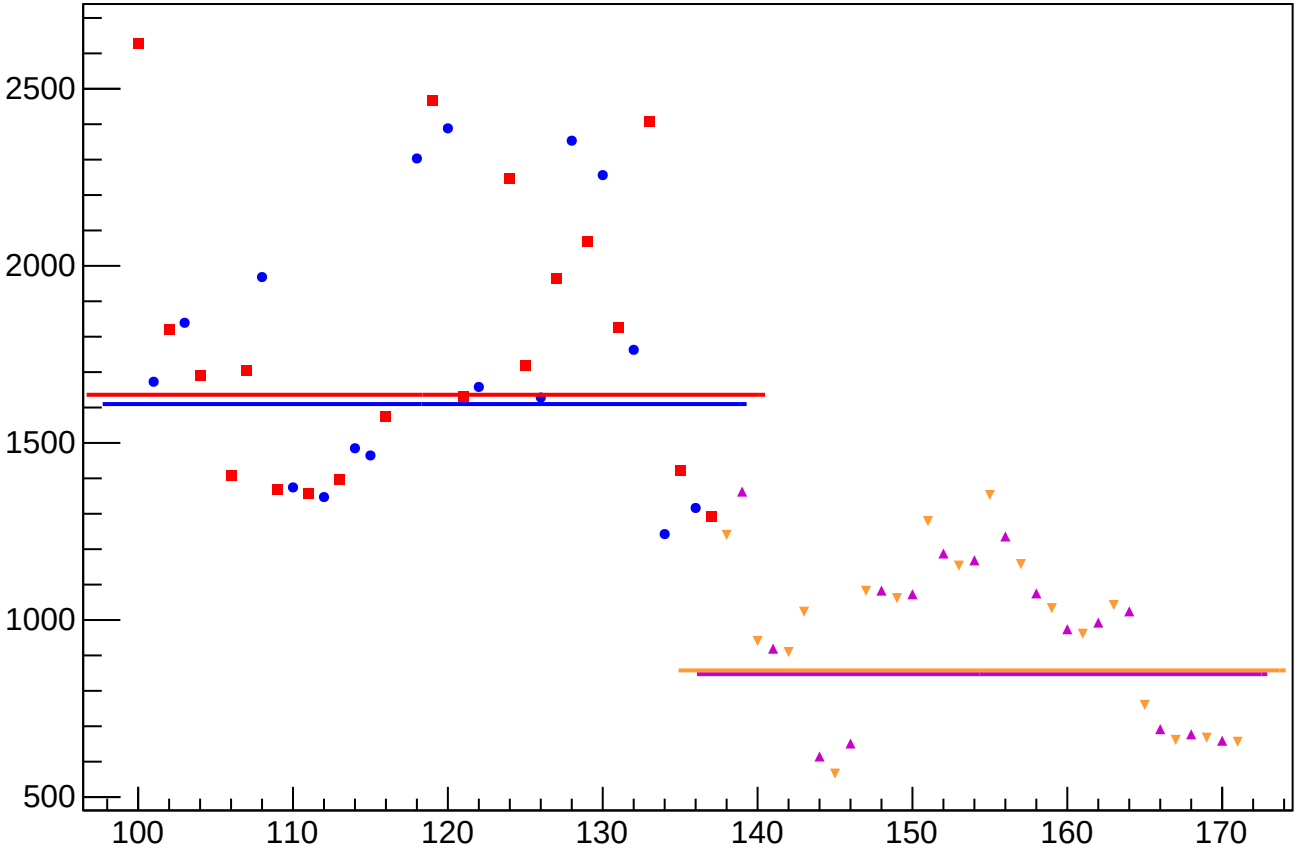
Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -213.878+/-225.581 χ^2/NDF:37.7/31

Out: -737.443+/-220.716 χ^2/NDF:89.5/36

All: -481.367+/-157.762 χ^2/NDF: 130.0/68

asym_sam3_cor_correction_rms vs Slug, Sign Corrected



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: 847.191+/-0.171 χ^2/NDF:1719563.2/15

Left: 852.615+/-0.120 χ^2/NDF: 3663666.3/33

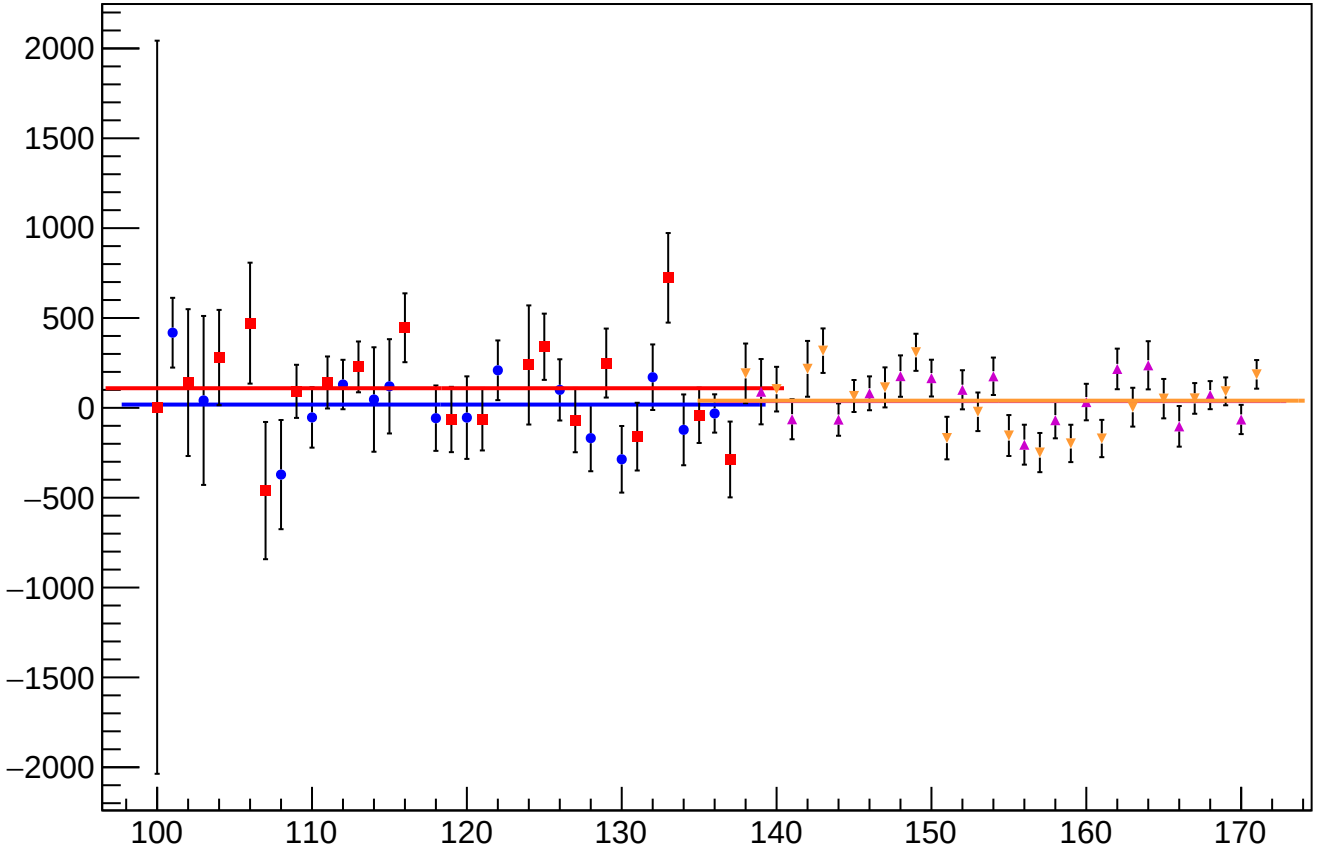
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 949.455+/-0.160 χ^2/NDF:4992782.7/31

Out: 958.200+/-0.156 χ^2/NDF:5264612.2/36

All: 953.923+/-0.112 χ^2/NDF: 10258930.5/68

eigen_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: 37.565+/-25.848 χ^2/NDF:21.4/15

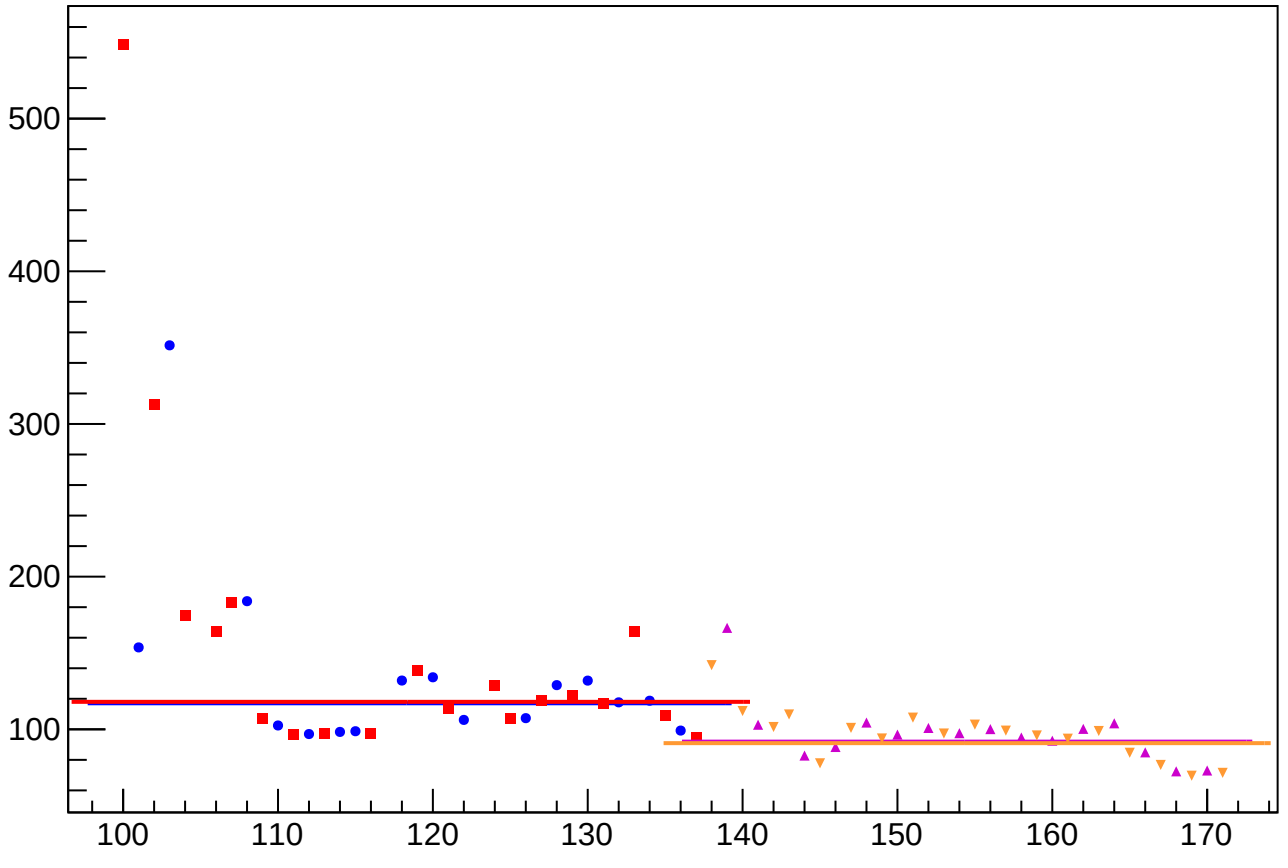
Left: 38.765+/-17.846 χ^2/NDF: 62.9/33

Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 32.870+/-22.499 χ^2/NDF:35.4/31

Out: 55.428+/-21.723 χ^2/NDF:68.6/36

All: 44.545+/-15.628 χ^2/NDF: 104.6/68



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: 91.942+/-0.018 χ^2/NDF:705193.2/15

Left: 91.420+/-0.013 χ^2/NDF: 1501498.6/33

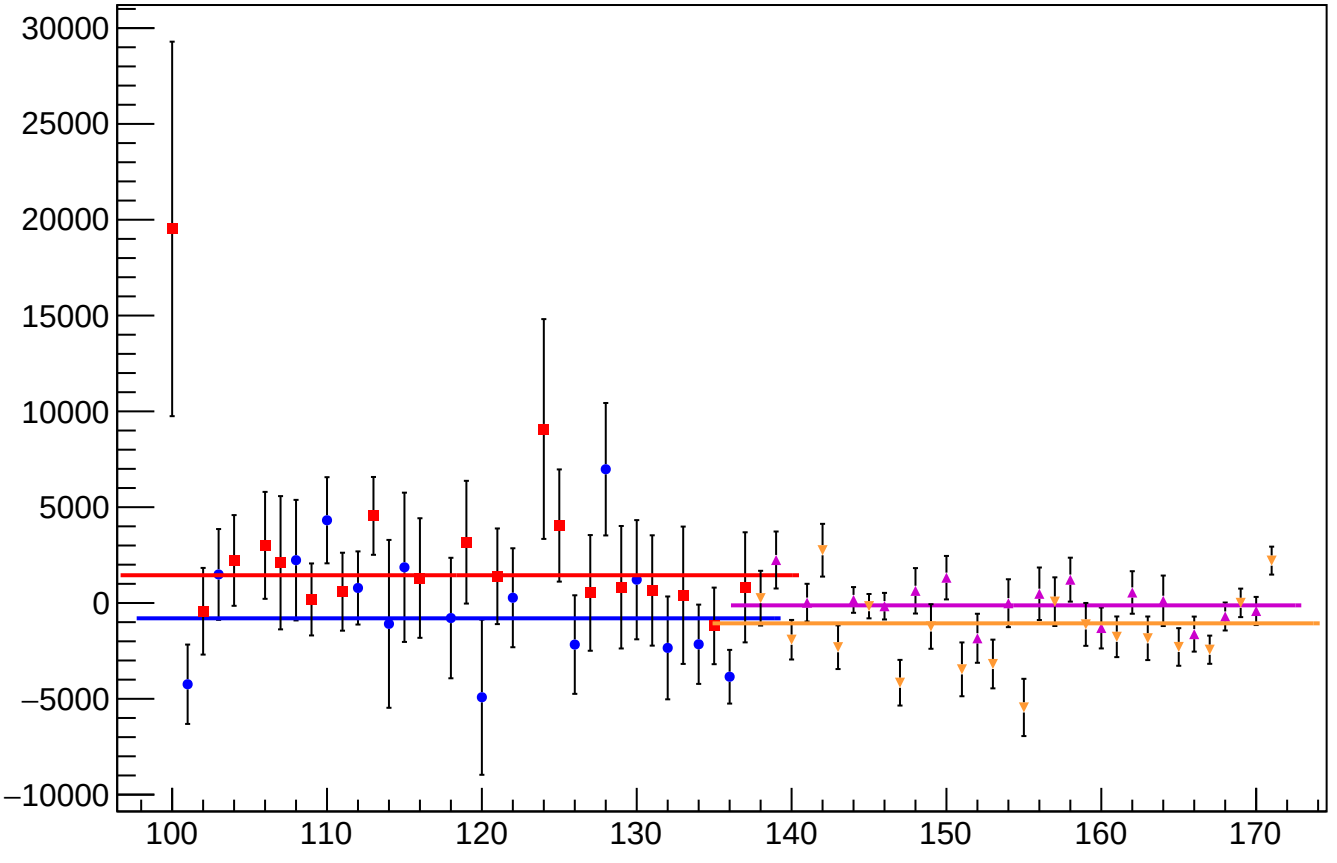
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 98.030+/-0.016 χ^2/NDF:2021373.1/31

Out: 97.025+/-0.015 χ^2/NDF:2321982.2/36

All: 97.510+/-0.011 χ^2/NDF: 4345418.8/68

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



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: -123.244+/-242.420 χ^2/NDF:13.2/15

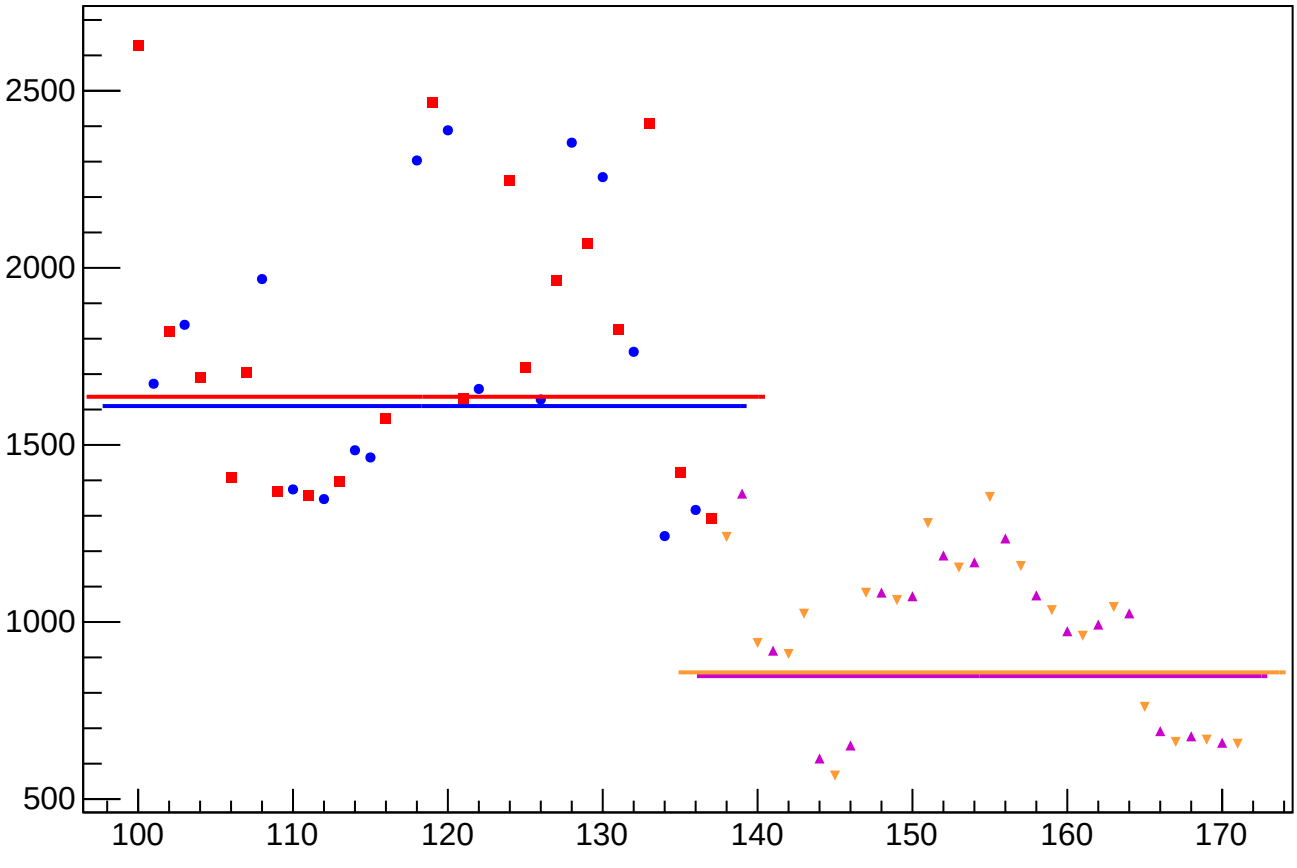
Left: -603.854+/-169.285 χ^2/NDF: 83.4/33

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: -213.878+/-225.581 χ^2/NDF:37.7/31

Out: -737.443+/-220.716 χ^2/NDF:89.5/36

All: -481.367+/-157.762 χ^2/NDF: 130.0/68



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: 847.191+/-0.171 χ^2/NDF:1719563.2/15

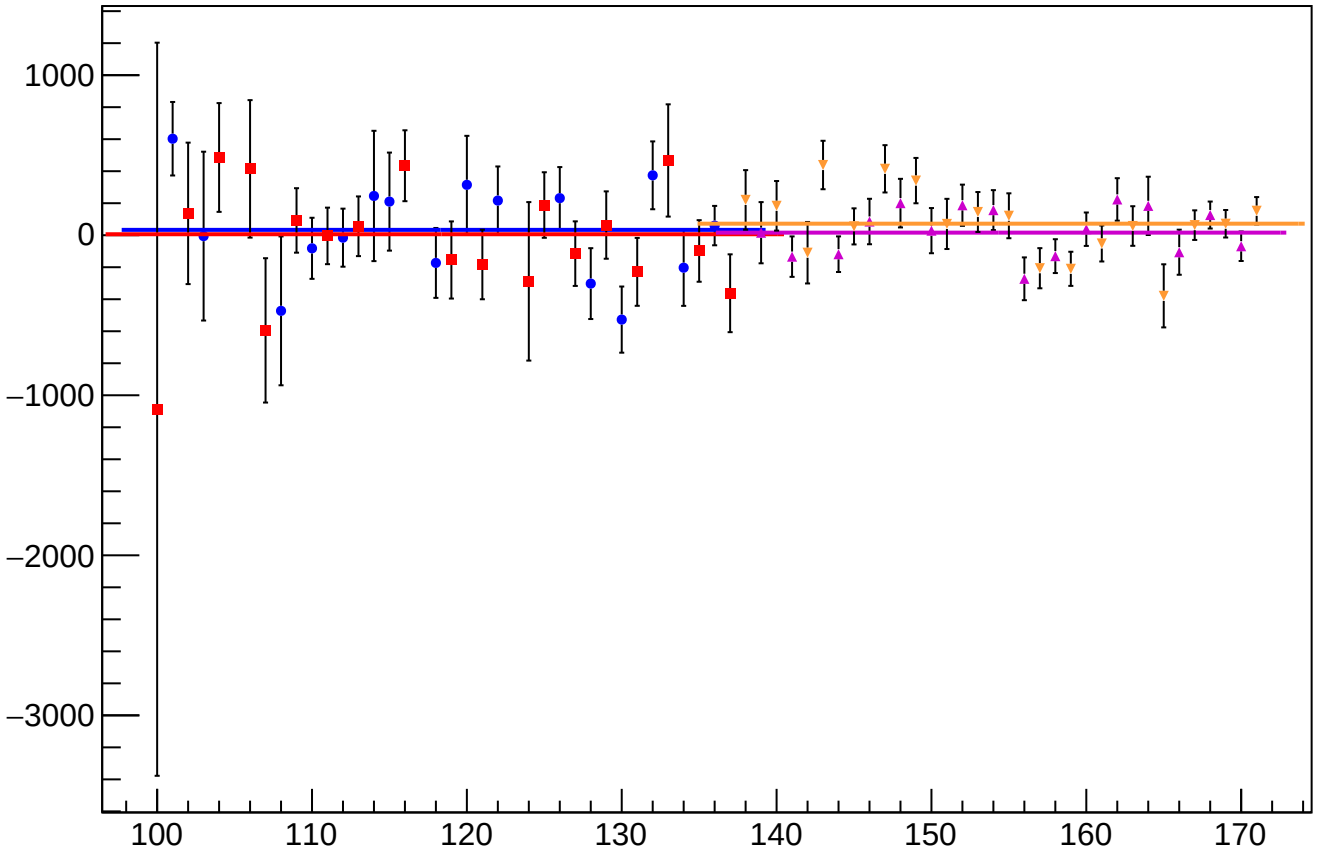
Left: 852.615+/-0.120 χ^2/NDF: 3663666.3/33

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 949.455+/-0.160 χ^2/NDF:4992782.7/31

Out: 958.200+/-0.156 χ^2/NDF:5264612.2/36

All: 953.923+/-0.112 χ^2/NDF: 10258930.5/68



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: 16.140+/-30.550 χ^2/NDF:20.9/15

Left: 45.479+/-21.065 χ^2/NDF: 59.3/33

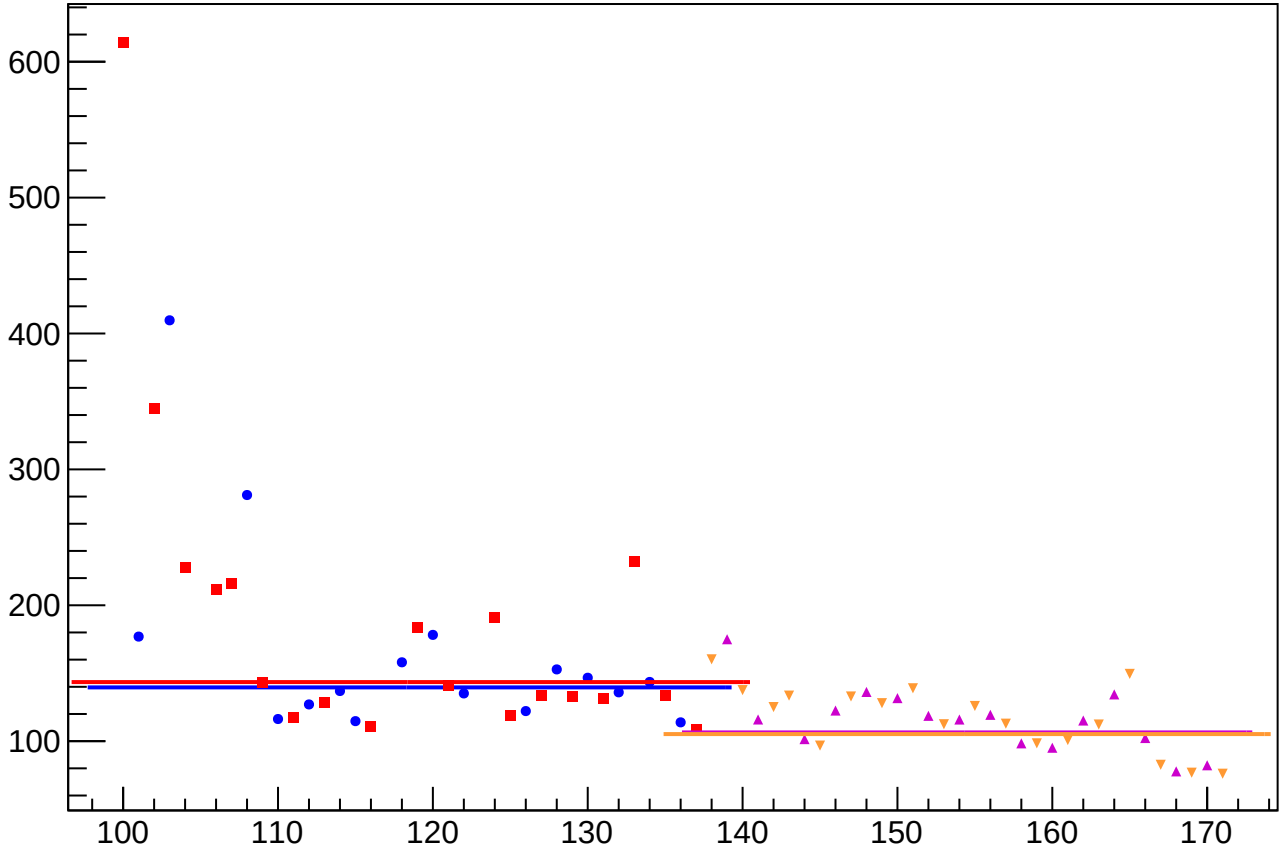
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 20.237+/-26.696 χ^2/NDF:46.1/31

Out: 58.093+/-25.820 χ^2/NDF:55.1/36

All: 39.796+/-18.559 χ^2/NDF: 102.2/68

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: 106.442+/-0.022 χ^2/NDF:949095.7/15

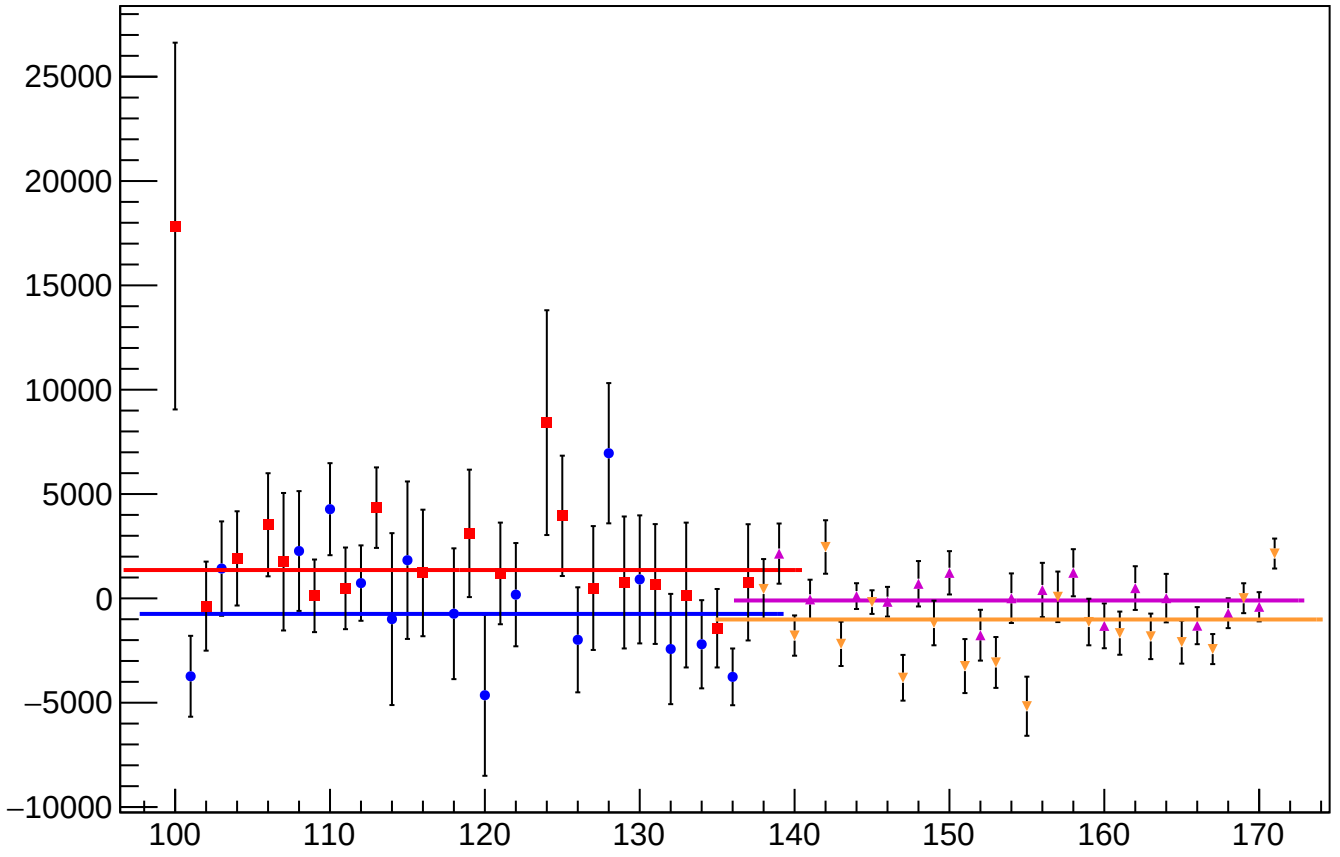
Left: 105.797+/-0.015 χ^2/NDF: 2276335.8/33

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 114.272+/-0.019 χ^2/NDF:2481665.1/31

Out: 113.321+/-0.018 χ^2/NDF:3175847.4/36

All: 113.781+/-0.013 χ^2/NDF: 5658822.2/68



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: -100.452+/-232.404 χ^2/NDF:12.5/15

Left: -569.805+/-161.833 χ^2/NDF: 81.9/33

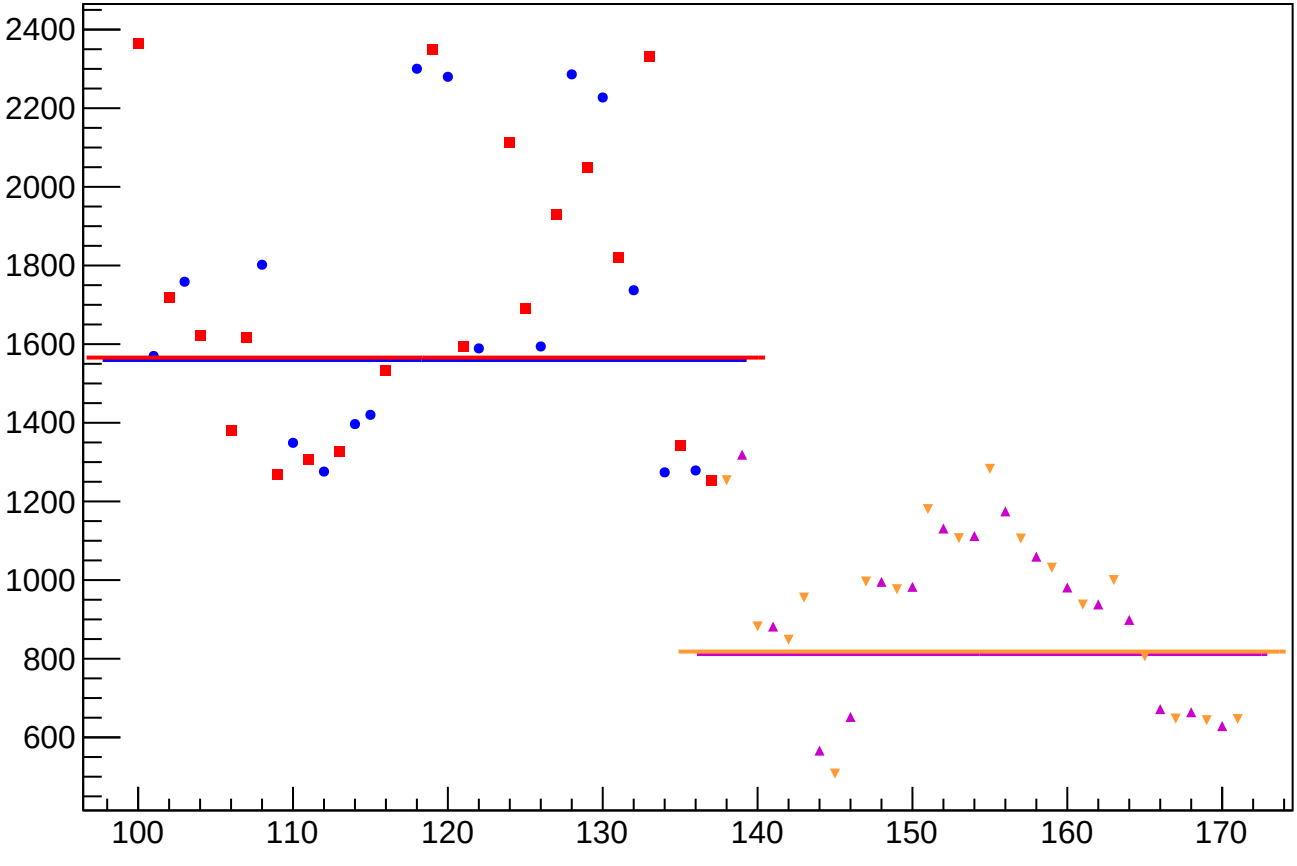
Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: -185.528+/-216.515 χ^2/NDF:37.0/31

Out: -705.869+/-210.435 χ^2/NDF:89.3/36

All: -453.108+/-150.904 χ^2/NDF: 129.2/68

asym_sam3_dit_correction_rms vs Slug, Sign Corrected



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: 811.914+/-0.164 χ^2/NDF:1665246.1/15

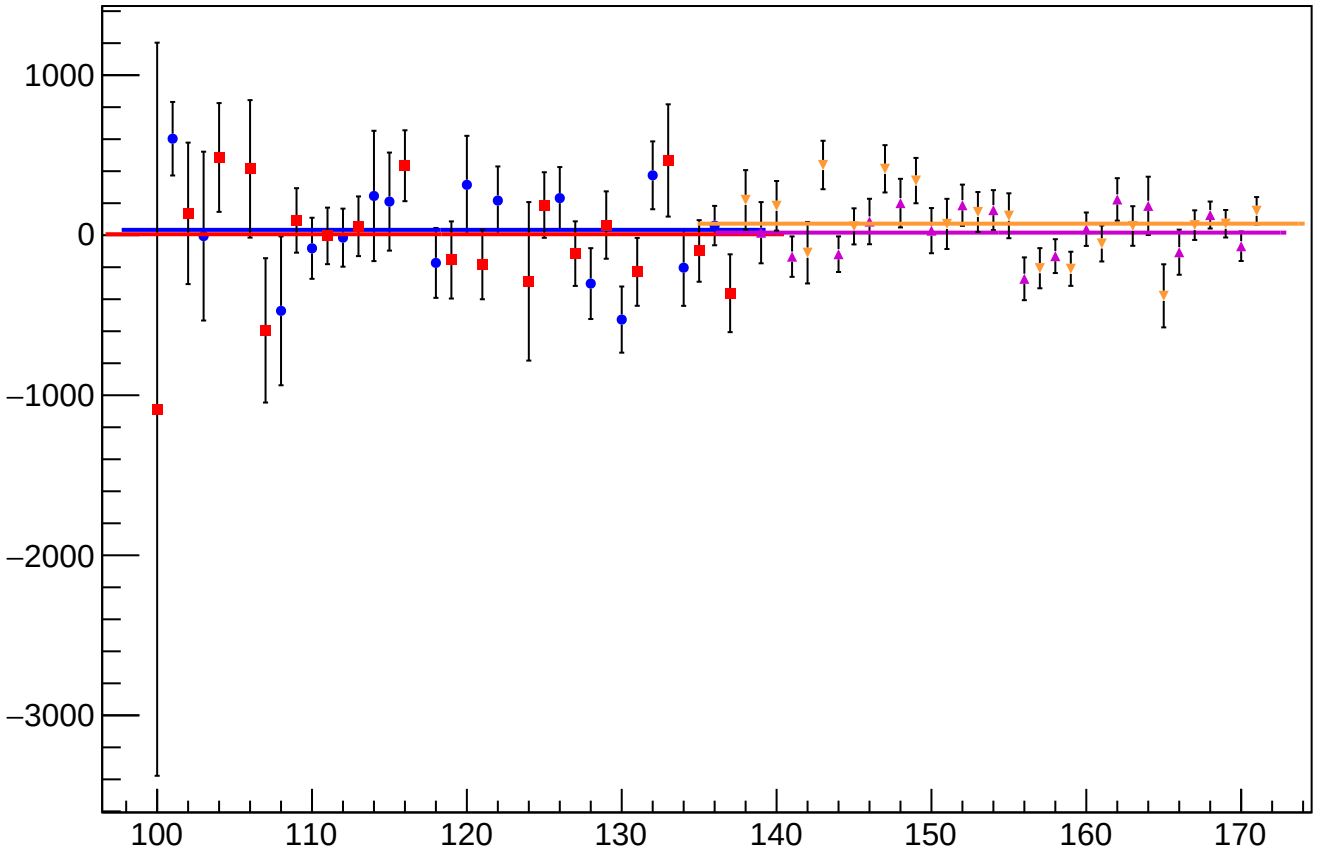
Left: 815.123+/-0.114 χ^2/NDF: 3688630.2/33

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 910.669+/-0.153 χ^2/NDF:5004102.3/31

Out: 914.622+/-0.149 χ^2/NDF:5423961.6/36

All: 912.702+/-0.107 χ^2/NDF: 10428406.6/68



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: 16.139+/-30.550 χ^2/NDF:20.9/15

Left: 45.479+/-21.065 χ^2/NDF: 59.3/33

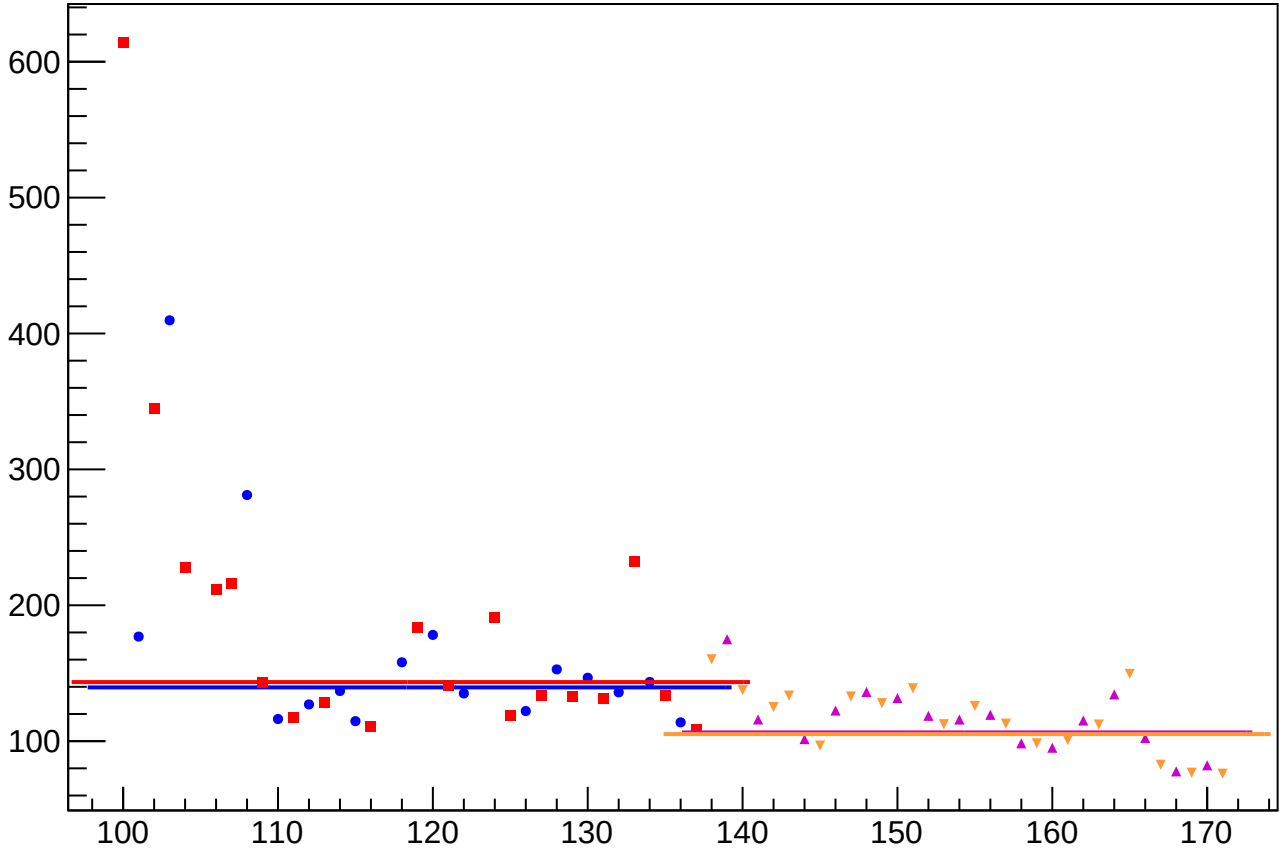
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 20.235+/-26.696 χ^2/NDF:46.1/31

Out: 58.093+/-25.820 χ^2/NDF:55.1/36

All: 39.795+/-18.560 χ^2/NDF: 102.2/68

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



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: 106.442+/-0.022 χ^2/NDF:949112.7/15

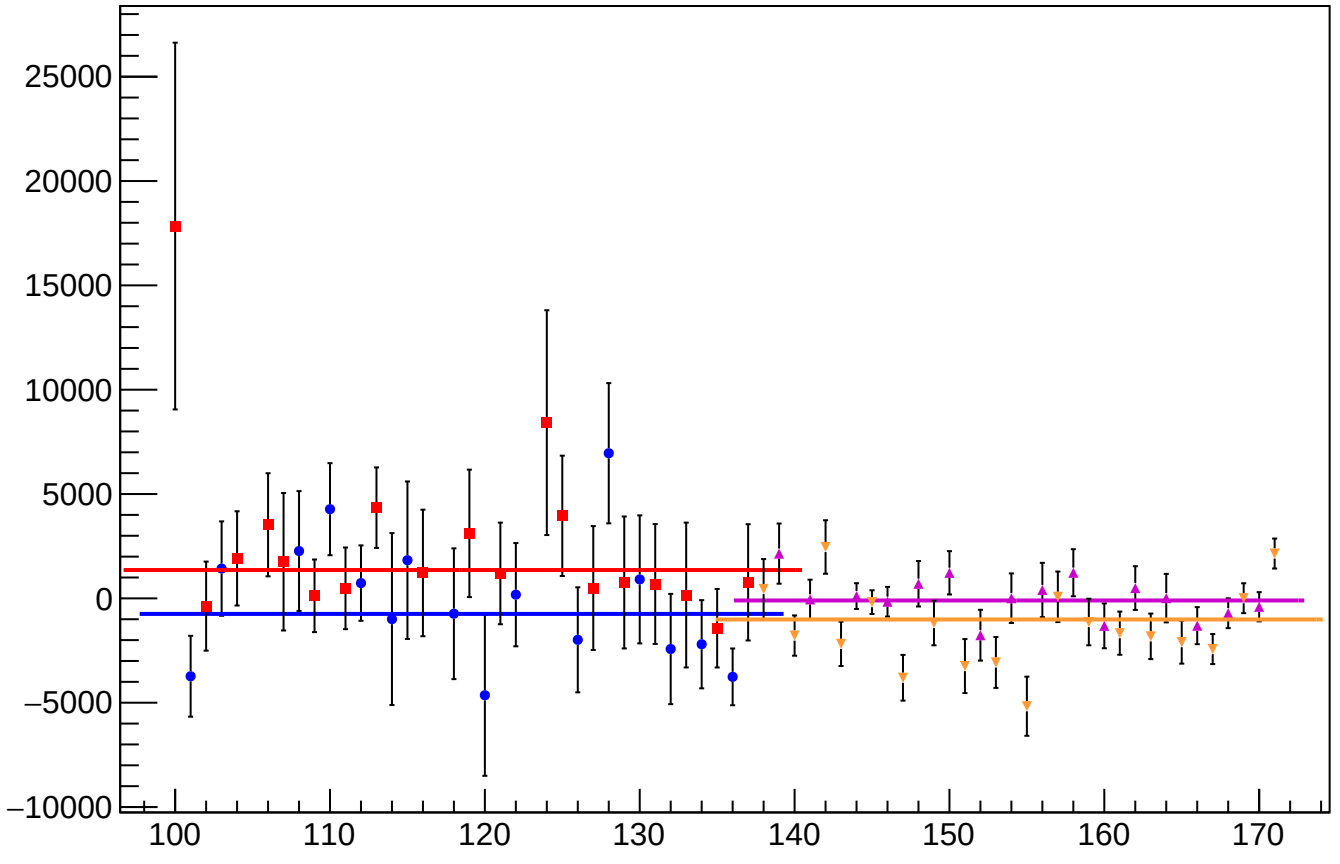
Left: 105.797+/-0.015 χ^2/NDF: 2276381.9/33

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 114.272+/-0.019 χ^2/NDF:2481680.9/31

Out: 113.322+/-0.018 χ^2/NDF:3175884.5/36

All: 113.781+/-0.013 χ^2/NDF: 5658875.0/68



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: -100.453+/-232.404 χ^2/NDF:12.5/15

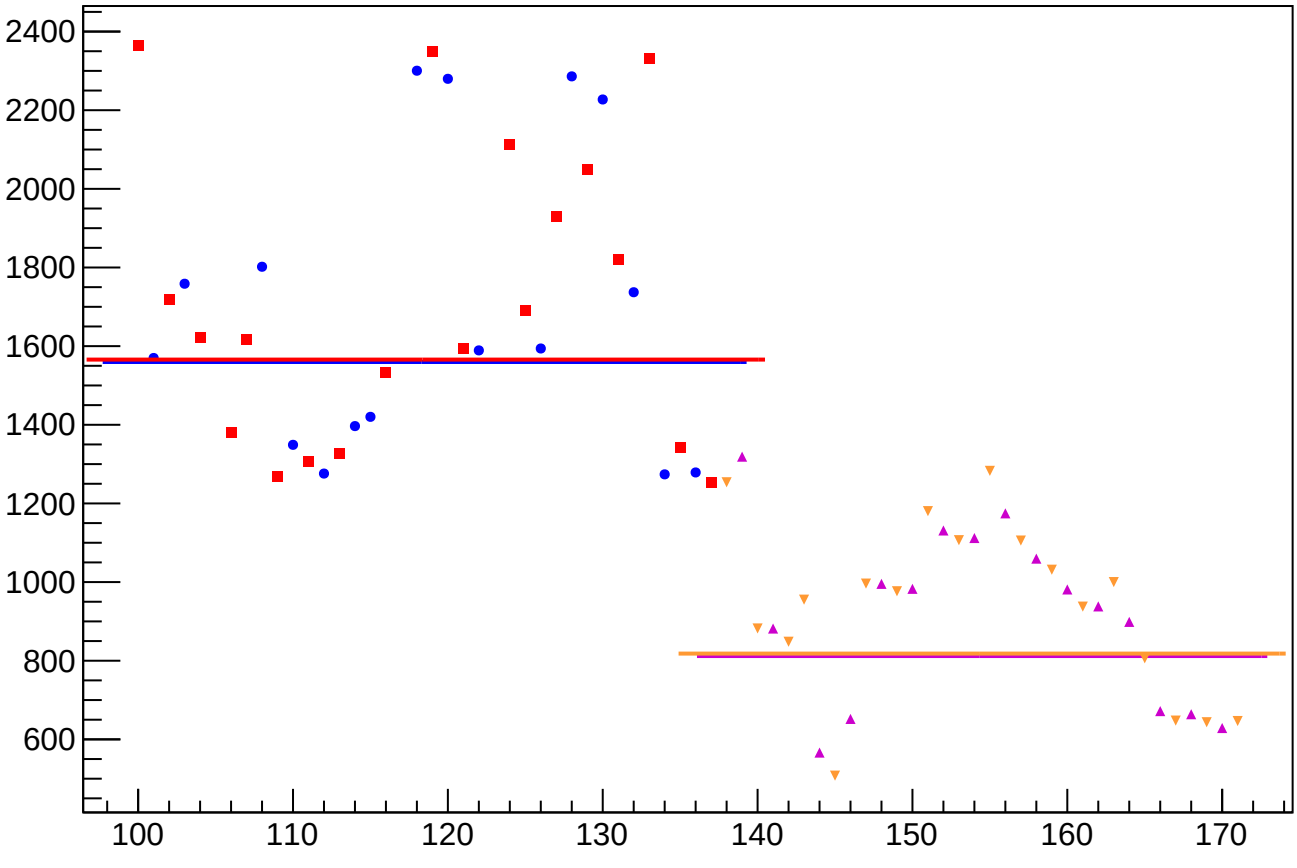
Left: -569.806+/-161.833 χ^2/NDF: 81.9/33

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: -185.528+/-216.515 χ^2/NDF:37.0/31

Out: -705.870+/-210.434 χ^2/NDF:89.3/36

All: -453.108+/-150.904 χ^2/NDF: 129.2/68



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: 811.914+/-0.164 χ^2/NDF:1665241.0/15

Left: 815.122+/-0.114 χ^2/NDF: 3688619.1/33

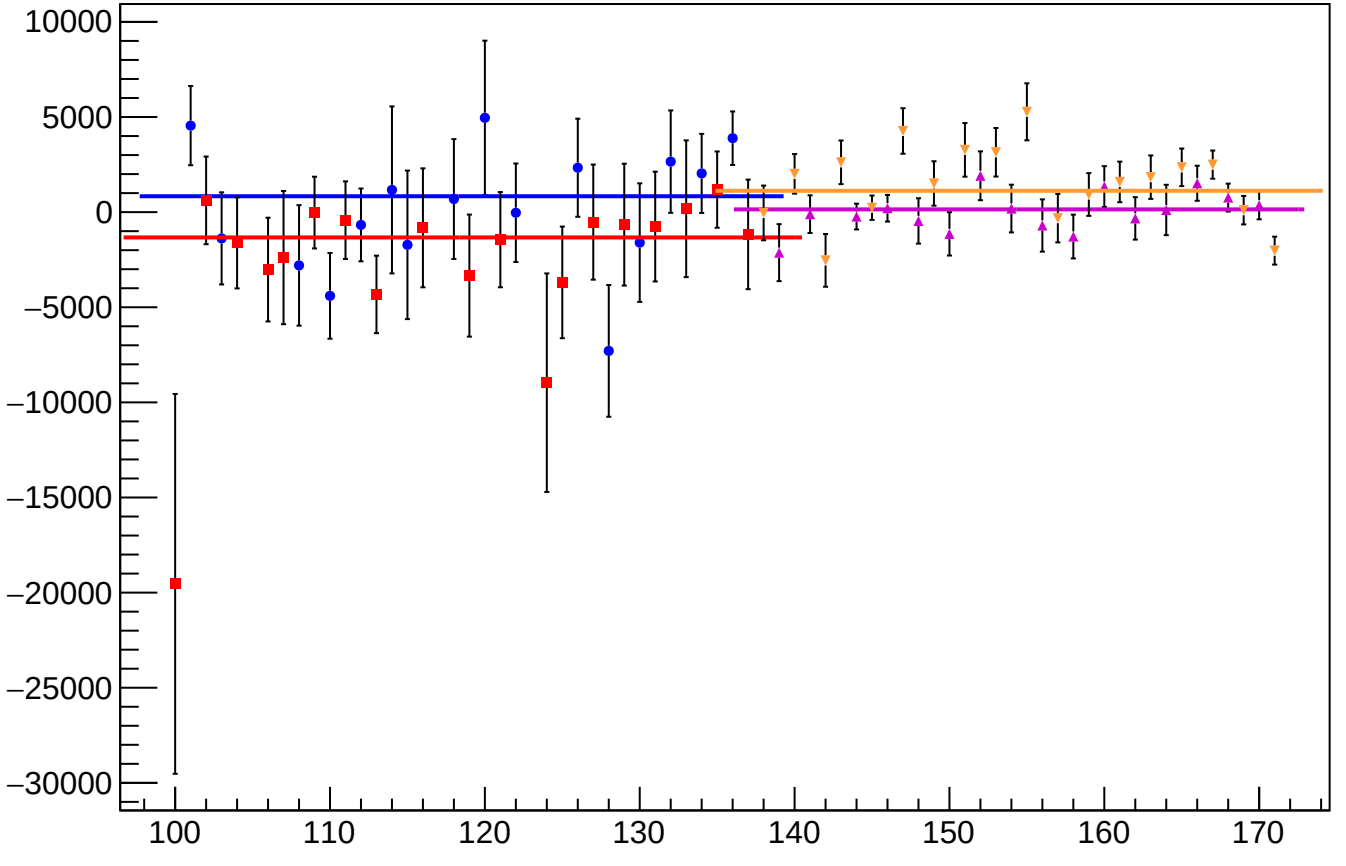
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 910.669+/-0.153 χ^2/NDF:5004096.8/31

Out: 914.621+/-0.149 χ^2/NDF:5423950.6/36

All: 912.701+/-0.107 χ^2/NDF: 10428390.2/68

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: 144.903+/-244.015 χ^2/NDF:12.5/15

Left: 646.219+/-170.364 χ^2/NDF: 79.4/33

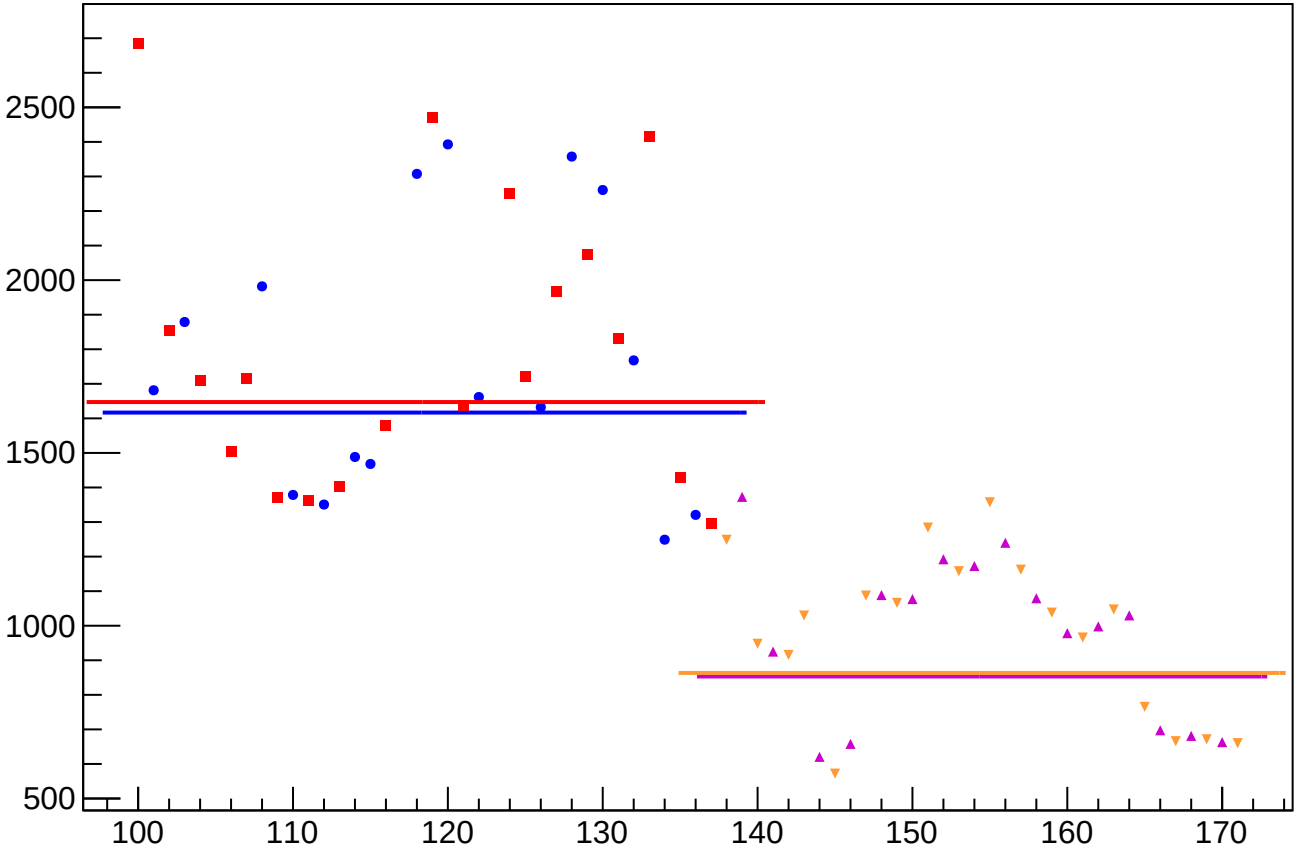
Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: 237.844+/-227.002 χ^2/NDF:38.5/31

Out: 804.892+/-221.994 χ^2/NDF:84.5/36

All: 527.692+/-158.714 χ^2/NDF: 126.2/68

asym_sam3_rms vs Slug, Sign Corrected



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: 853.139+/-0.173 χ^2/NDF:1698508.9/15

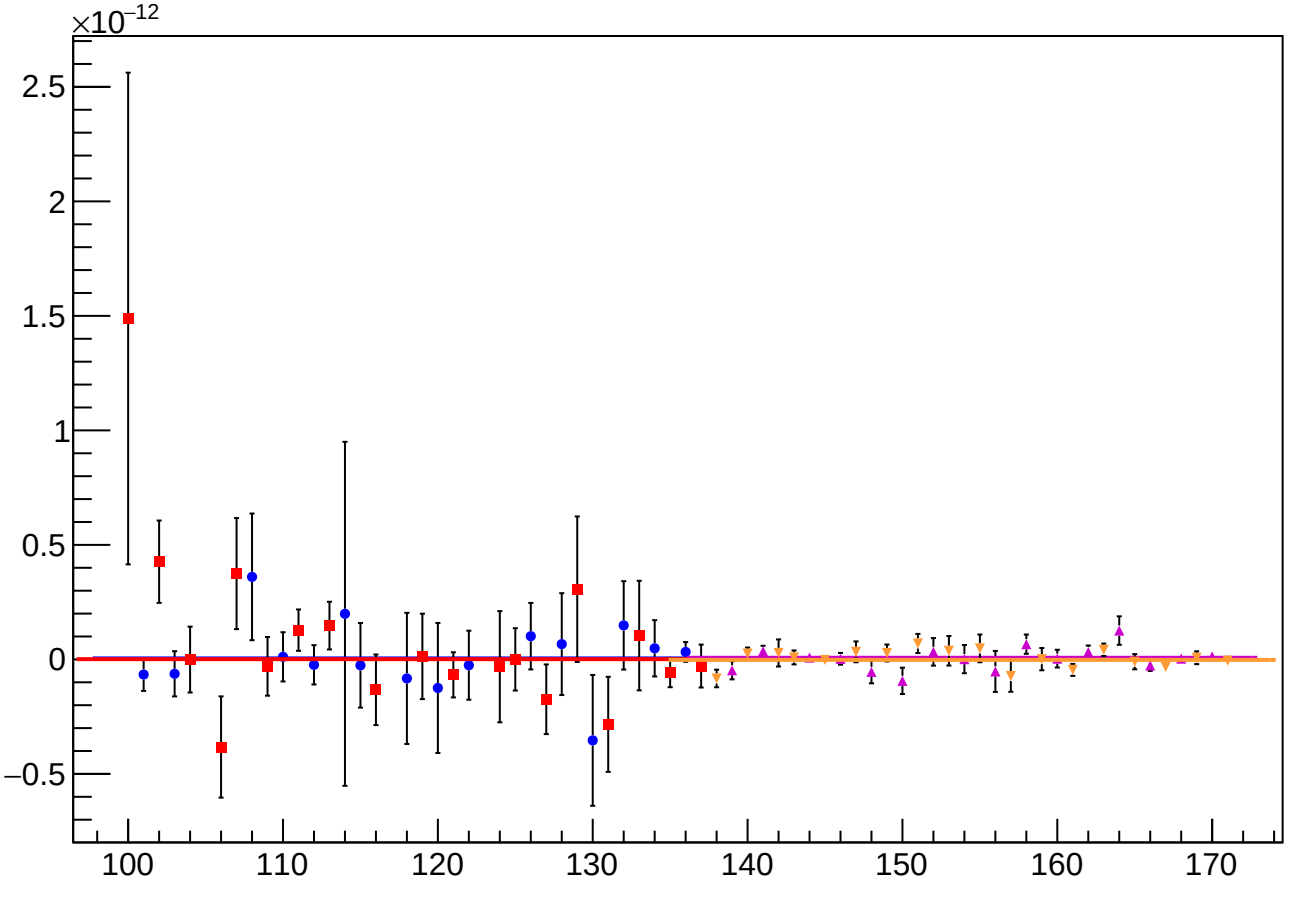
Left: 858.384+/-0.120 χ^2/NDF: 3621701.9/33

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 955.914+/-0.161 χ^2/NDF:4957043.5/31

Out: 965.033+/-0.157 χ^2/NDF:5259801.7/36

All: 960.576+/-0.112 χ^2/NDF: 10218494.8/68



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:17.2/15

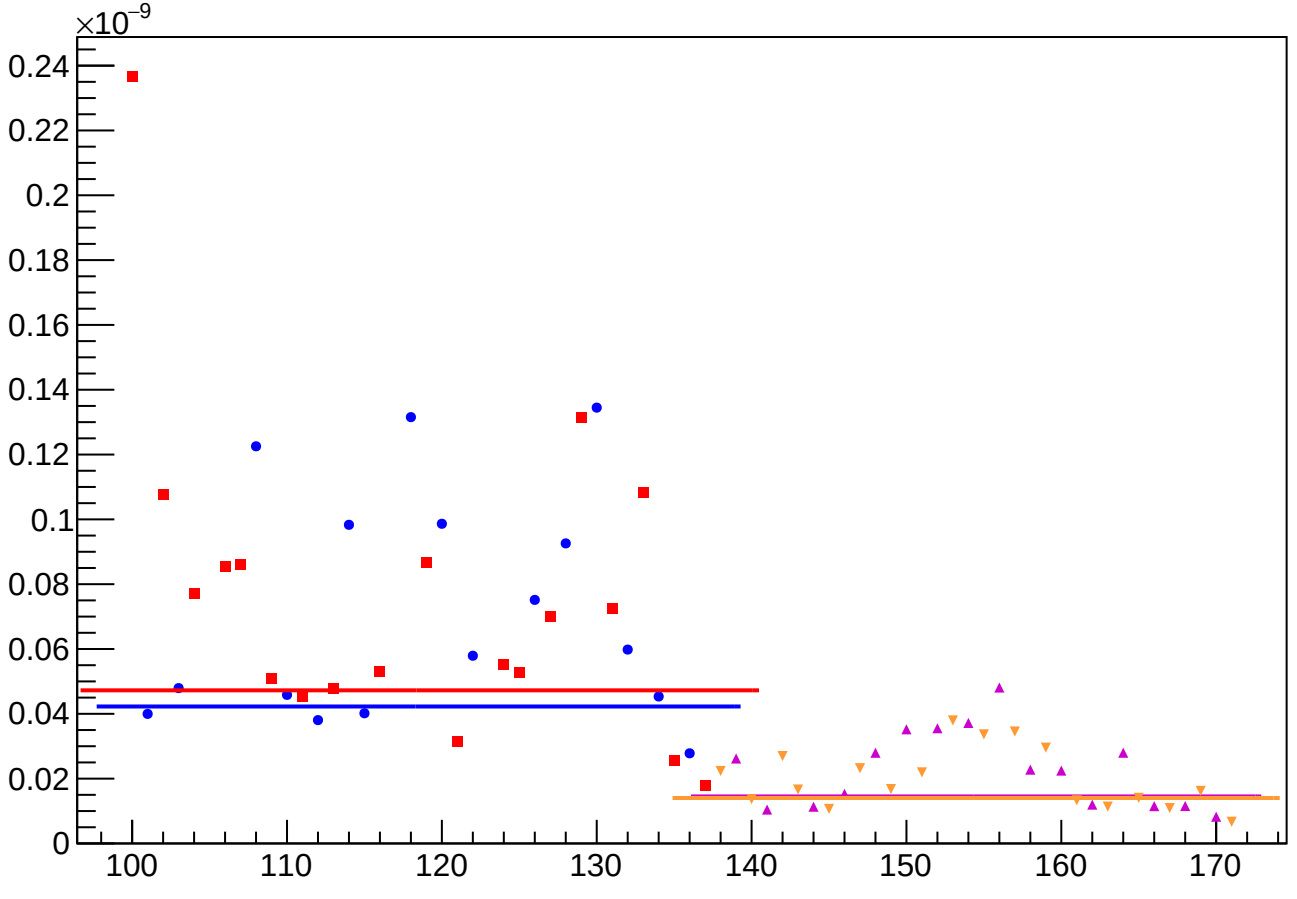
Left: 0.000+/-0.000 χ^2/NDF: 38.2/33

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:24.1/31

Out: -0.000+/-0.000 χ^2/NDF:43.7/36

All: 0.000+/-0.000 χ^2/NDF: 68.5/68



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:2068888.4/15

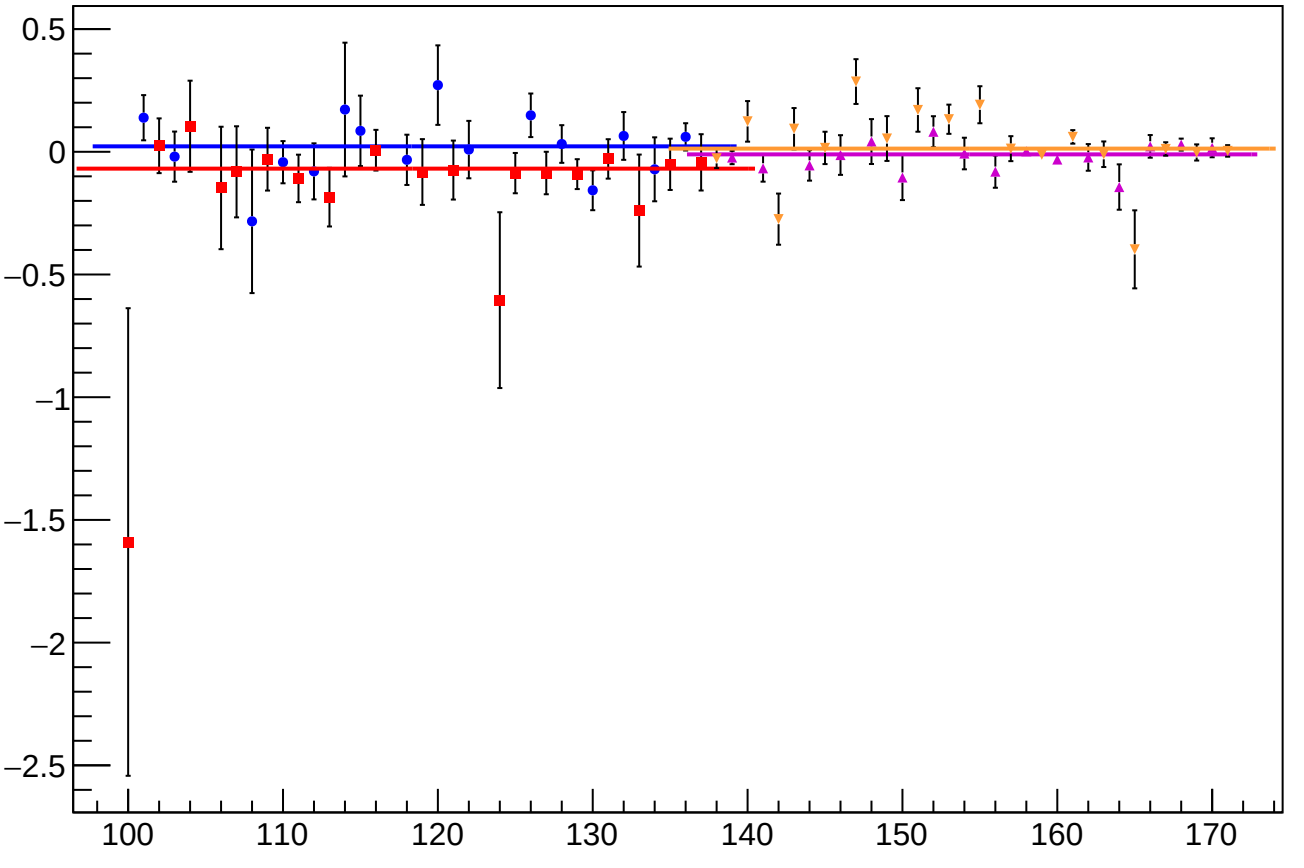
Left: 0.000+/-0.000 χ^2/NDF: 3821142.9/33

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:5147497.6/31

Out: 0.000+/-0.000 χ^2/NDF:5440168.7/36

All: 0.000+/-0.000 χ^2/NDF: 10598602.9/68



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: -0.011+/-0.008 χ^2/NDF:14.5/15

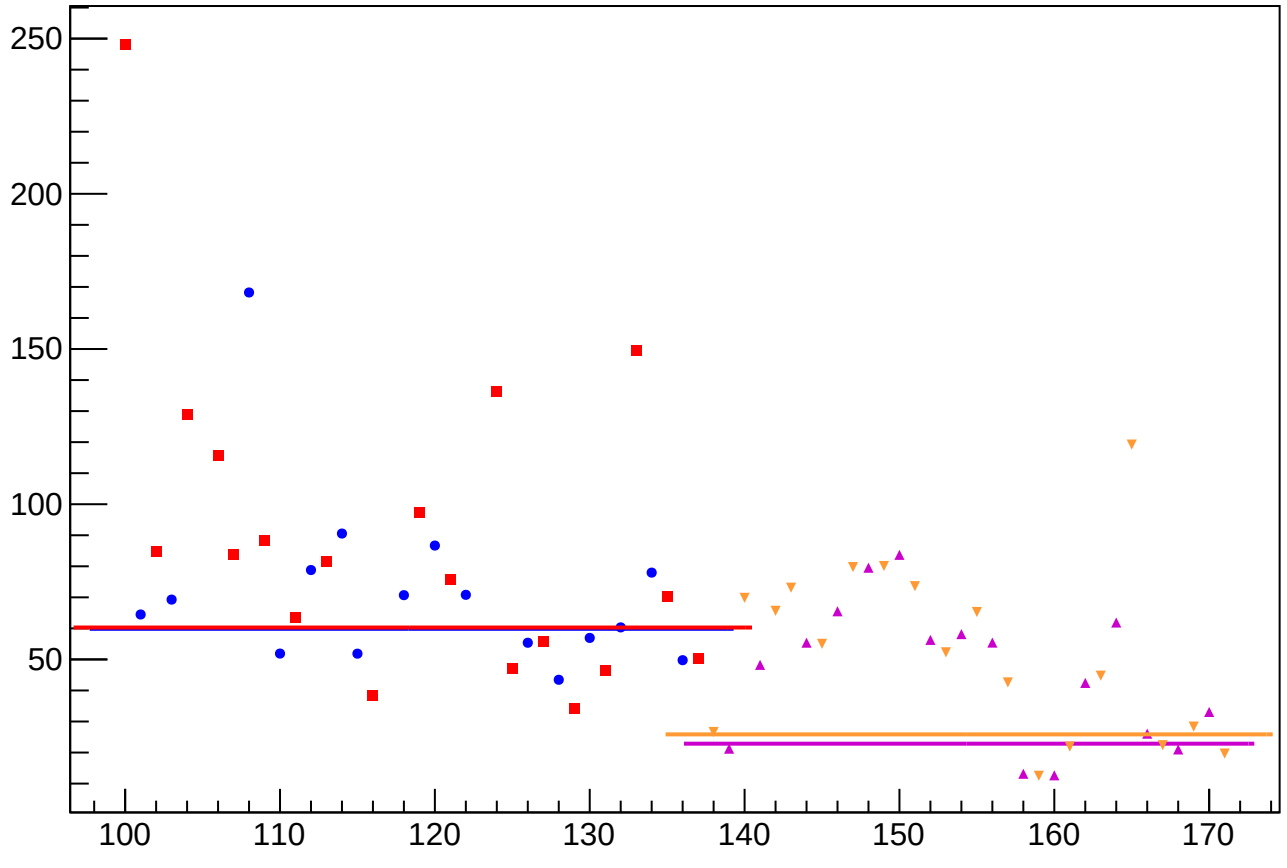
Left: 0.001+/-0.006 χ^2/NDF: 64.3/33

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.5/68



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: 22.858+/-0.006 χ^2/NDF:7131271.5/15

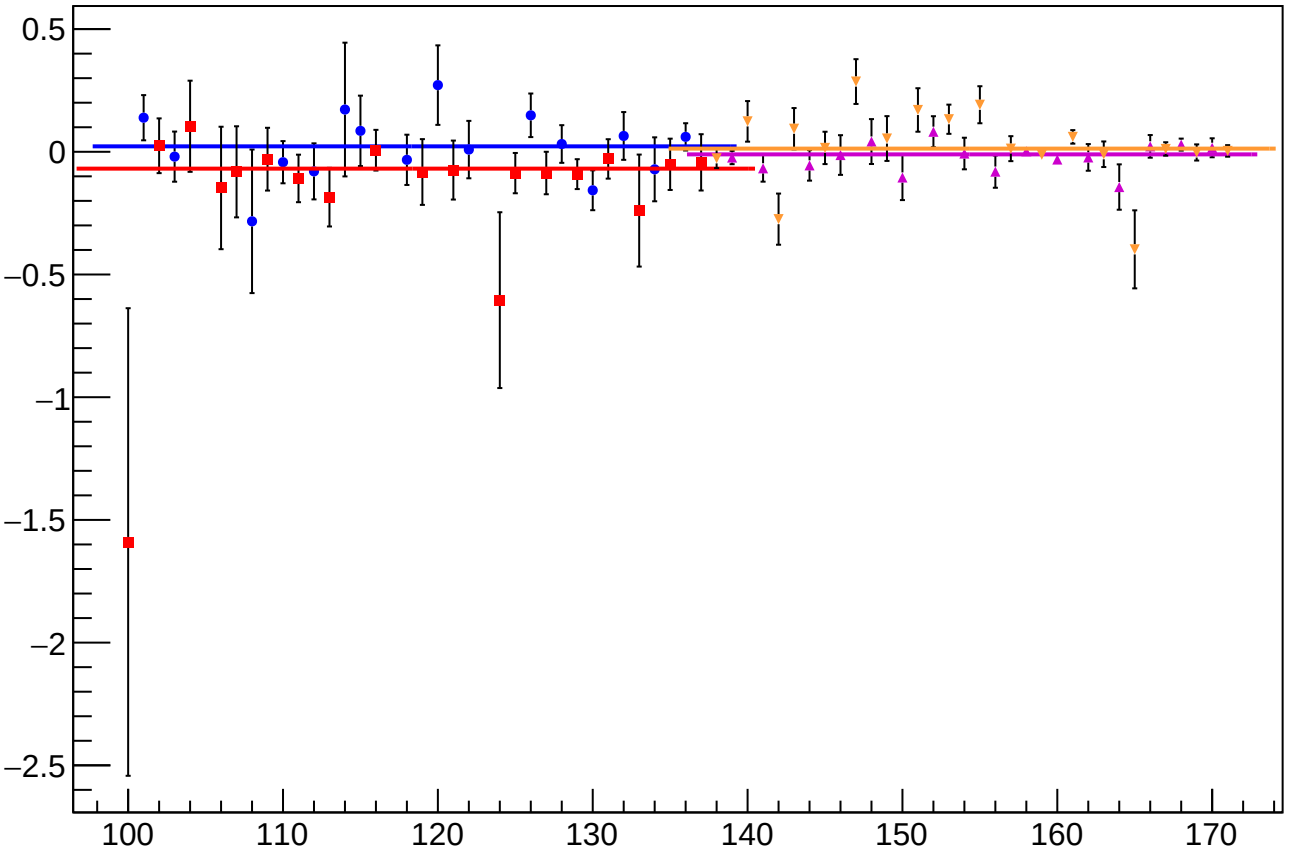
Left: 24.267+/-0.004 χ^2/NDF: 14935963.9/33

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.746+/-0.006 χ^2/NDF:11857088.0/31

Out: 29.706+/-0.006 χ^2/NDF:12957661.8/36

All: 28.144+/-0.004 χ^2/NDF: 24944147.6/68



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: -0.011+/-0.008 χ^2/NDF:14.5/15

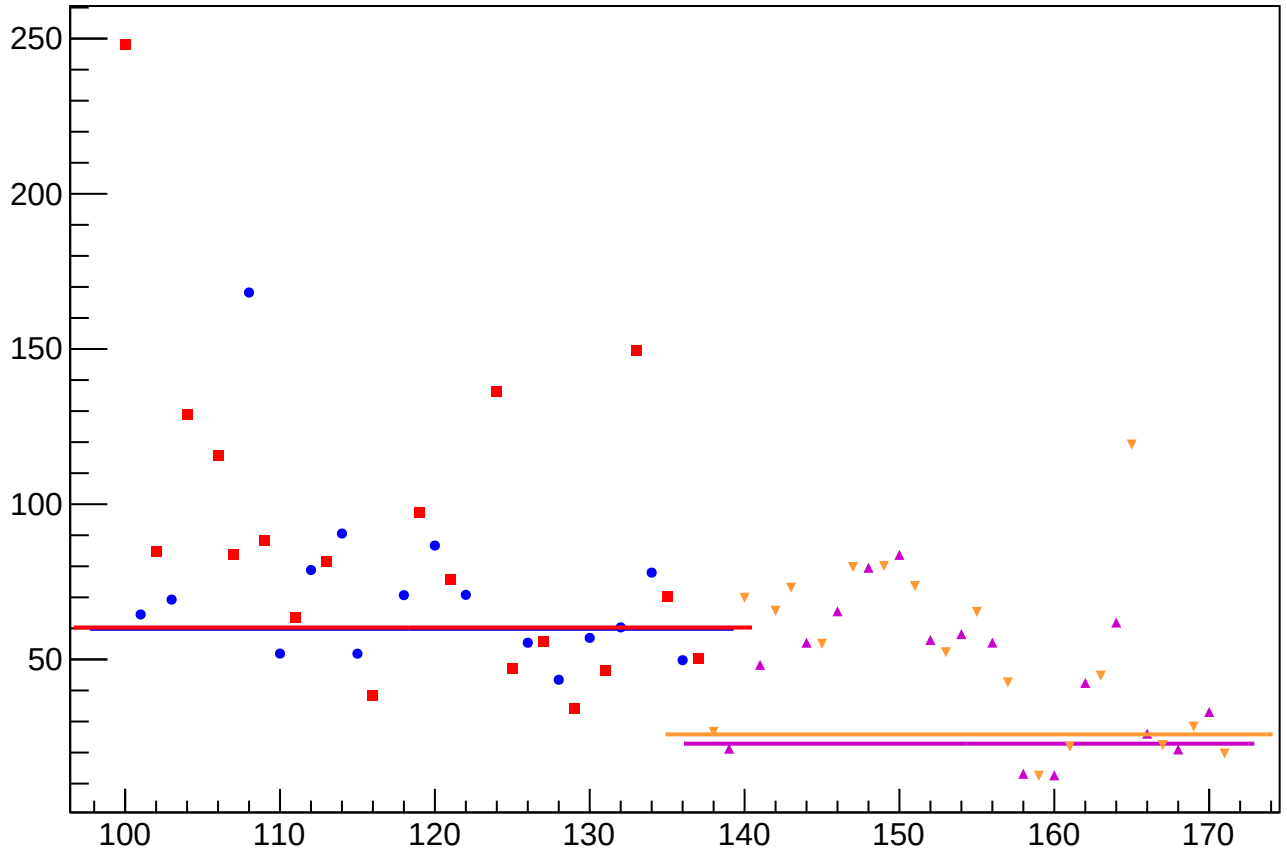
Left: 0.001+/-0.006 χ^2/NDF: 64.3/33

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.5/68



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: 22.858+/-0.006 χ^2/NDF:7131271.5/15

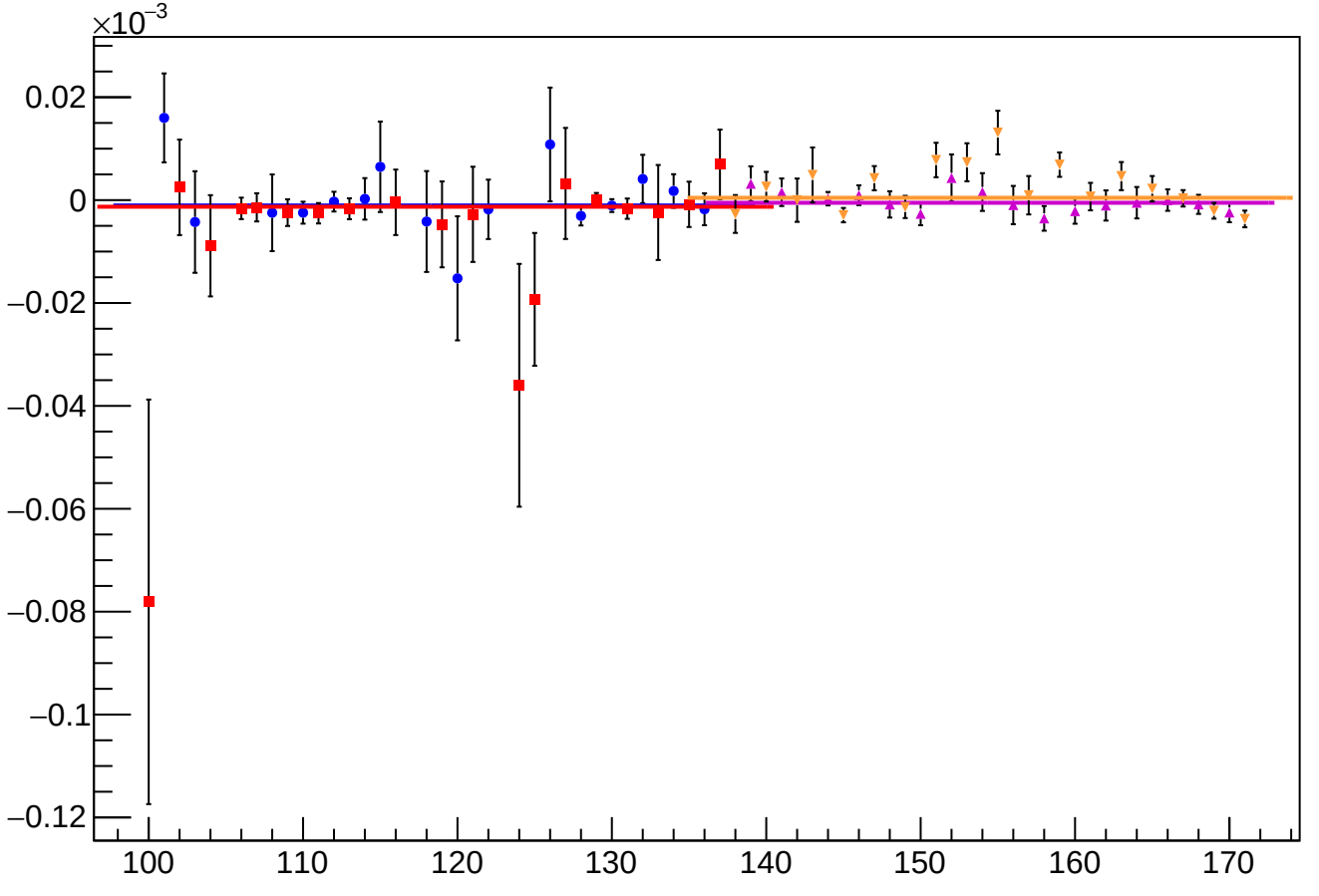
Left: 24.267+/-0.004 χ^2/NDF: 14935963.9/33

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 26.746+/-0.006 χ^2/NDF:11857088.0/31

Out: 29.706+/-0.006 χ^2/NDF:12957661.8/36

All: 28.144+/-0.004 χ^2/NDF: 24944147.6/68



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:8.2/15

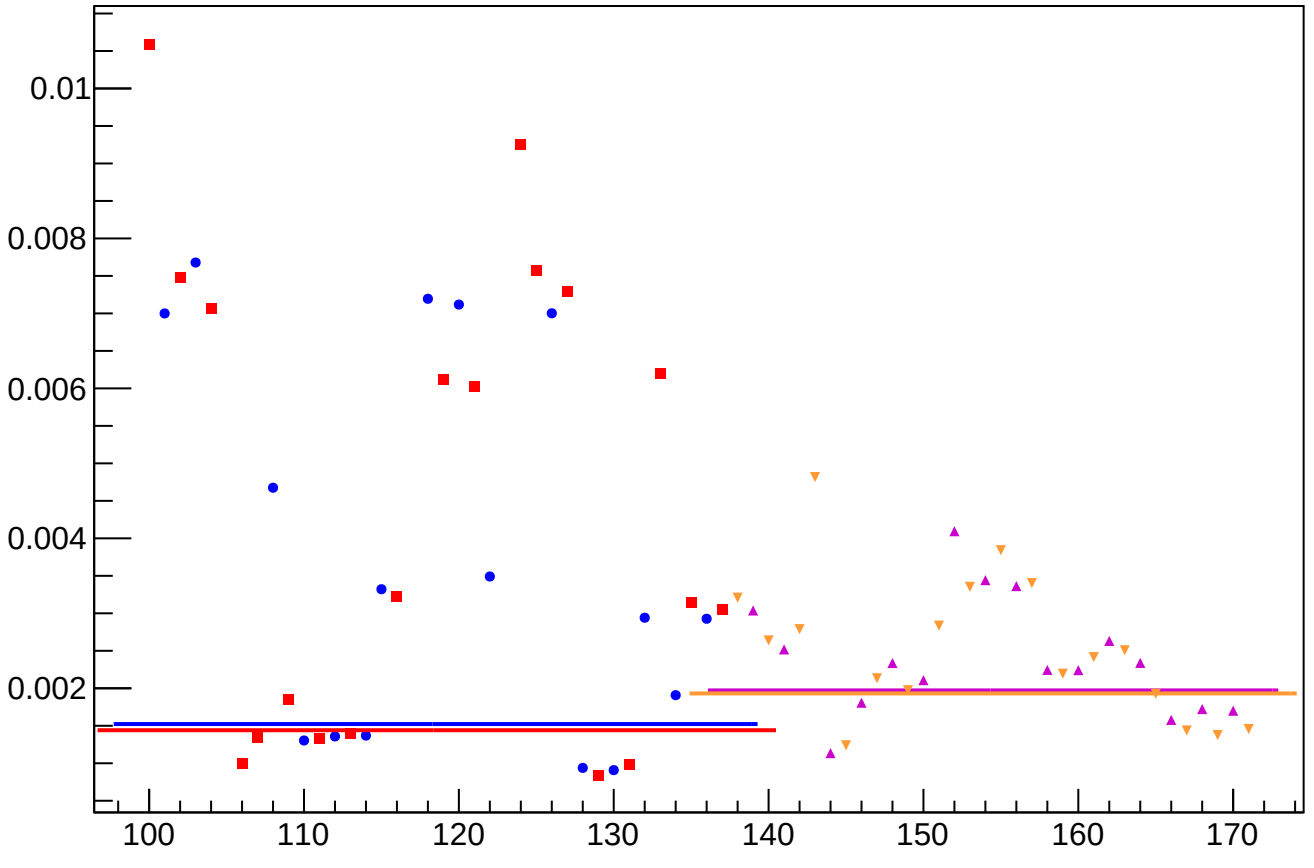
Left: -0.000+/-0.000 χ^2/NDF: 57.6/33

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:19.8/31

Out: -0.000+/-0.000 χ^2/NDF:64.1/36

All: -0.000+/-0.000 χ^2/NDF: 84.6/68



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:2520285.2/15

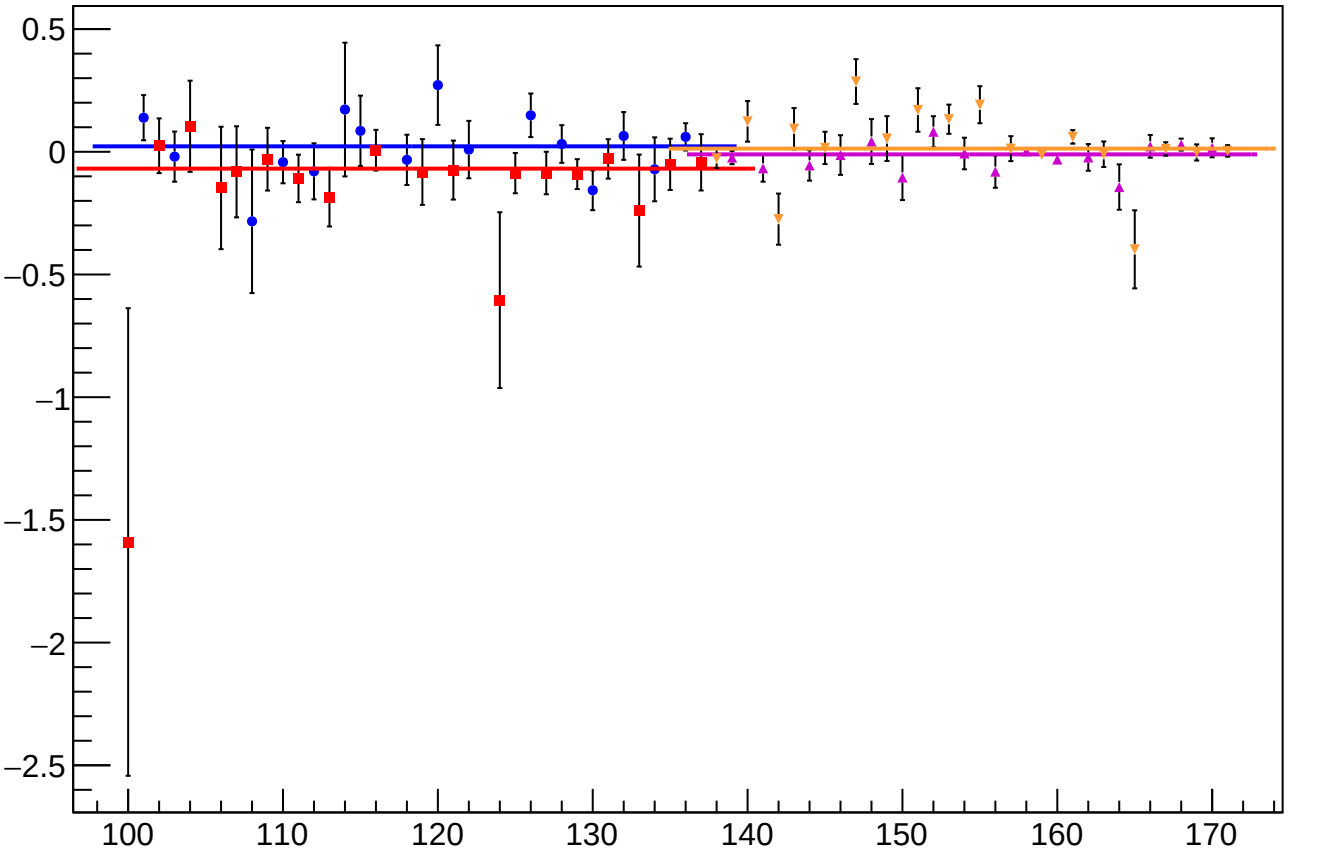
Left: 0.002+/-0.000 χ^2/NDF: 6019951.2/33

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8160363.8/31

Out: 0.002+/-0.000 χ^2/NDF:9891685.1/36

All: 0.002+/-0.000 χ^2/NDF: 18068939.5/68



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: -0.011+/-0.008 χ^2/NDF:14.5/15

Left: 0.001+/-0.006 χ^2/NDF: 64.3/33

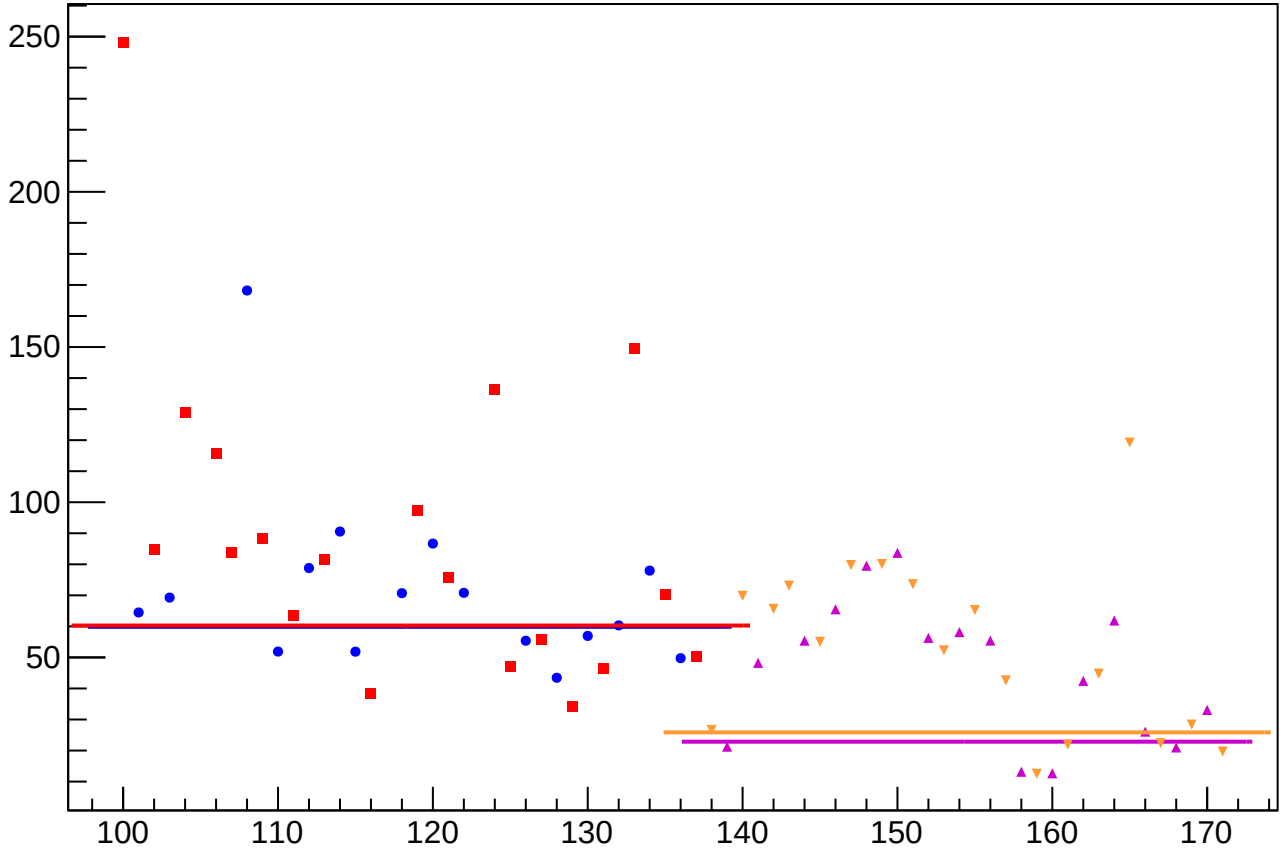
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.5/68

asym_sam3_eigen_dit_vs_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: 22.857+/-0.006 χ^2/NDF:7131653.3/15

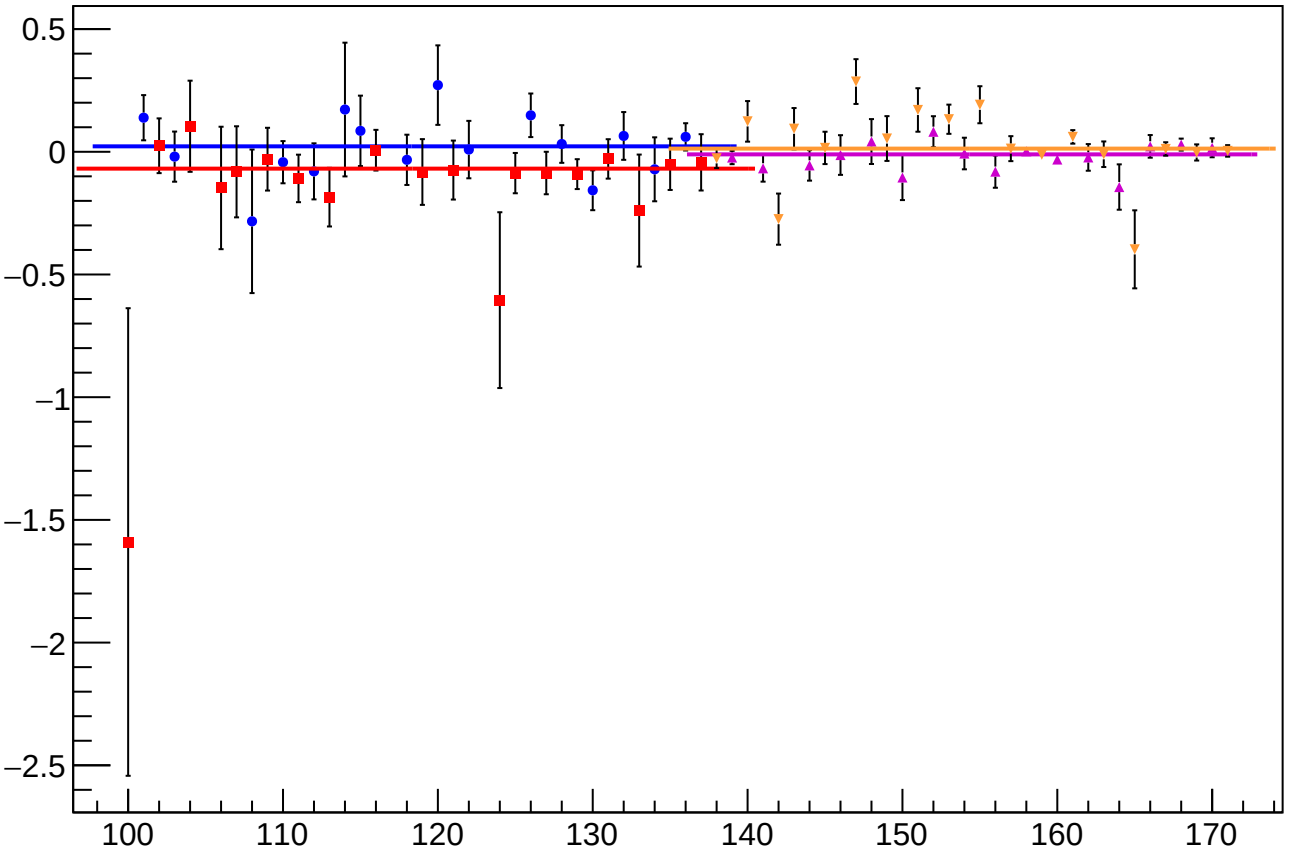
Left: 24.267+/-0.004 χ^2/NDF: 14937145.2/33

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.745+/-0.006 χ^2/NDF:11857687.0/31

Out: 29.705+/-0.006 χ^2/NDF:12958900.8/36

All: 28.143+/-0.004 χ^2/NDF: 24945910.0/68



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: -0.011+/-0.008 χ^2/NDF:14.5/15

Left: 0.001+/-0.006 χ^2/NDF: 64.3/33

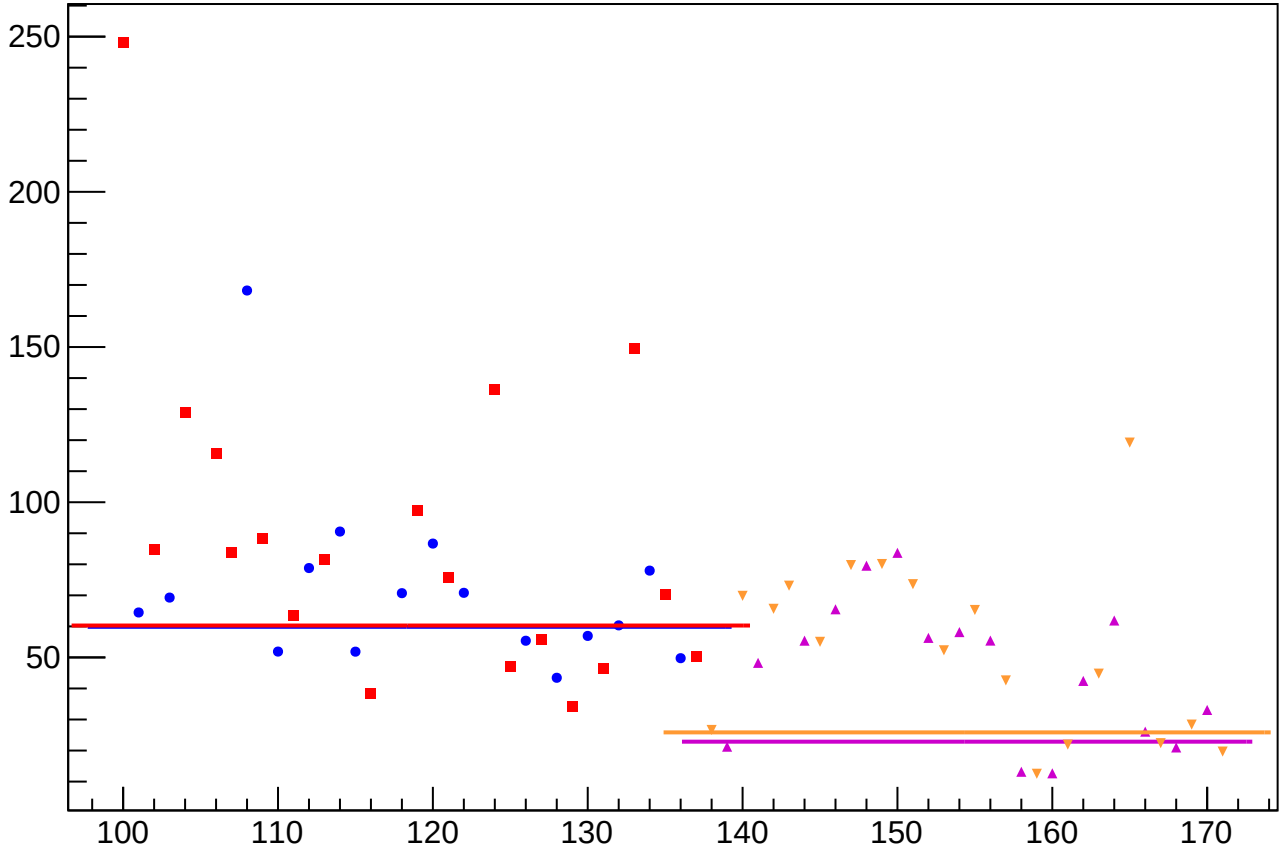
Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.007+/-0.008 χ^2/NDF:31.6/31

Out: 0.004+/-0.008 χ^2/NDF:65.0/36

All: -0.002+/-0.006 χ^2/NDF: 97.5/68

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: 22.857+/-0.006 χ^2/NDF:7131653.3/15

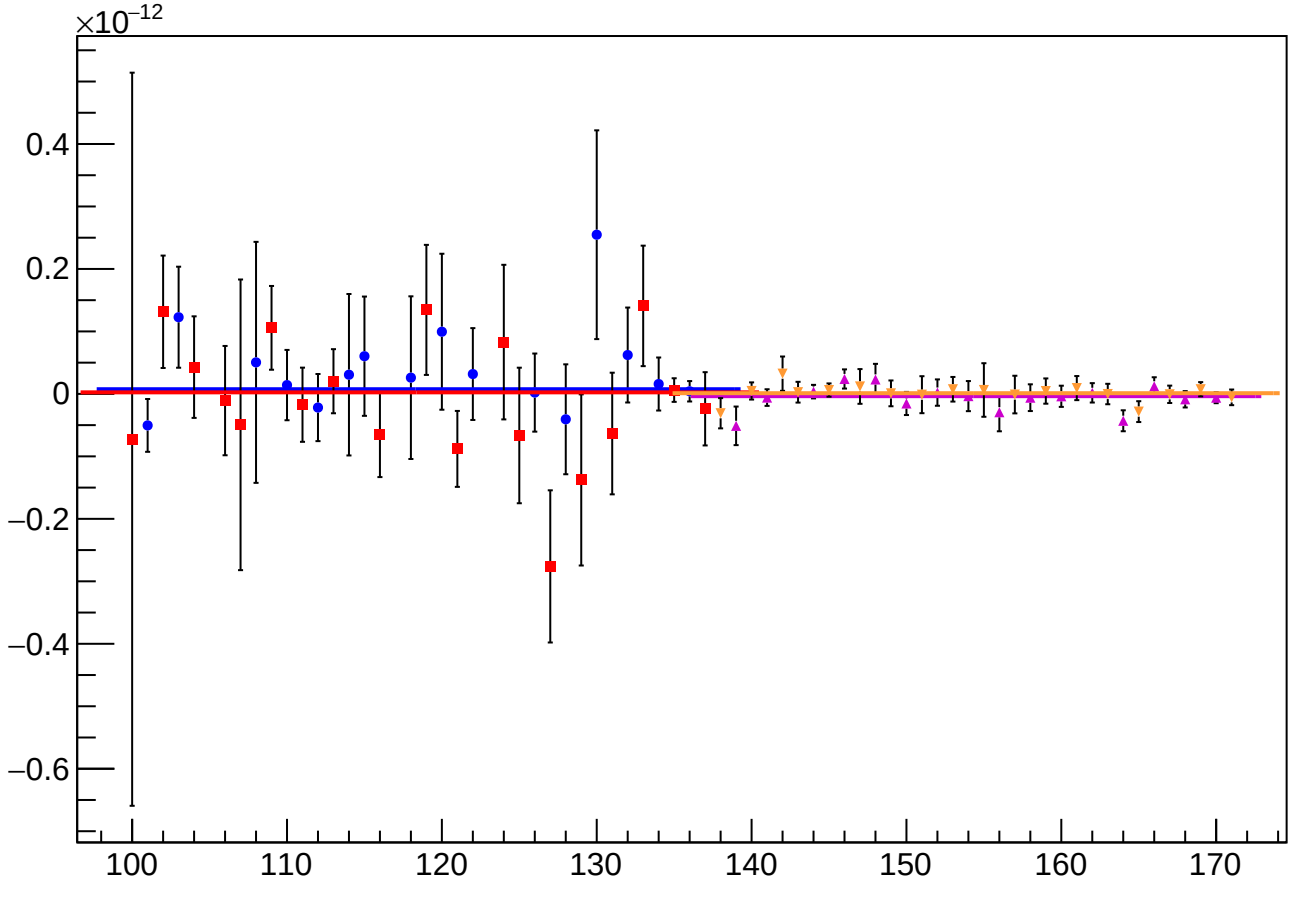
Left: 24.267+/-0.004 χ^2/NDF: 14937145.2/33

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 26.745+/-0.006 χ^2/NDF:11857687.0/31

Out: 29.705+/-0.006 χ^2/NDF:12958900.8/36

All: 28.143+/-0.004 χ^2/NDF: 24945910.0/68



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:15.4/15

Left: -0.000+/-0.000 χ^2/NDF: 23.7/33

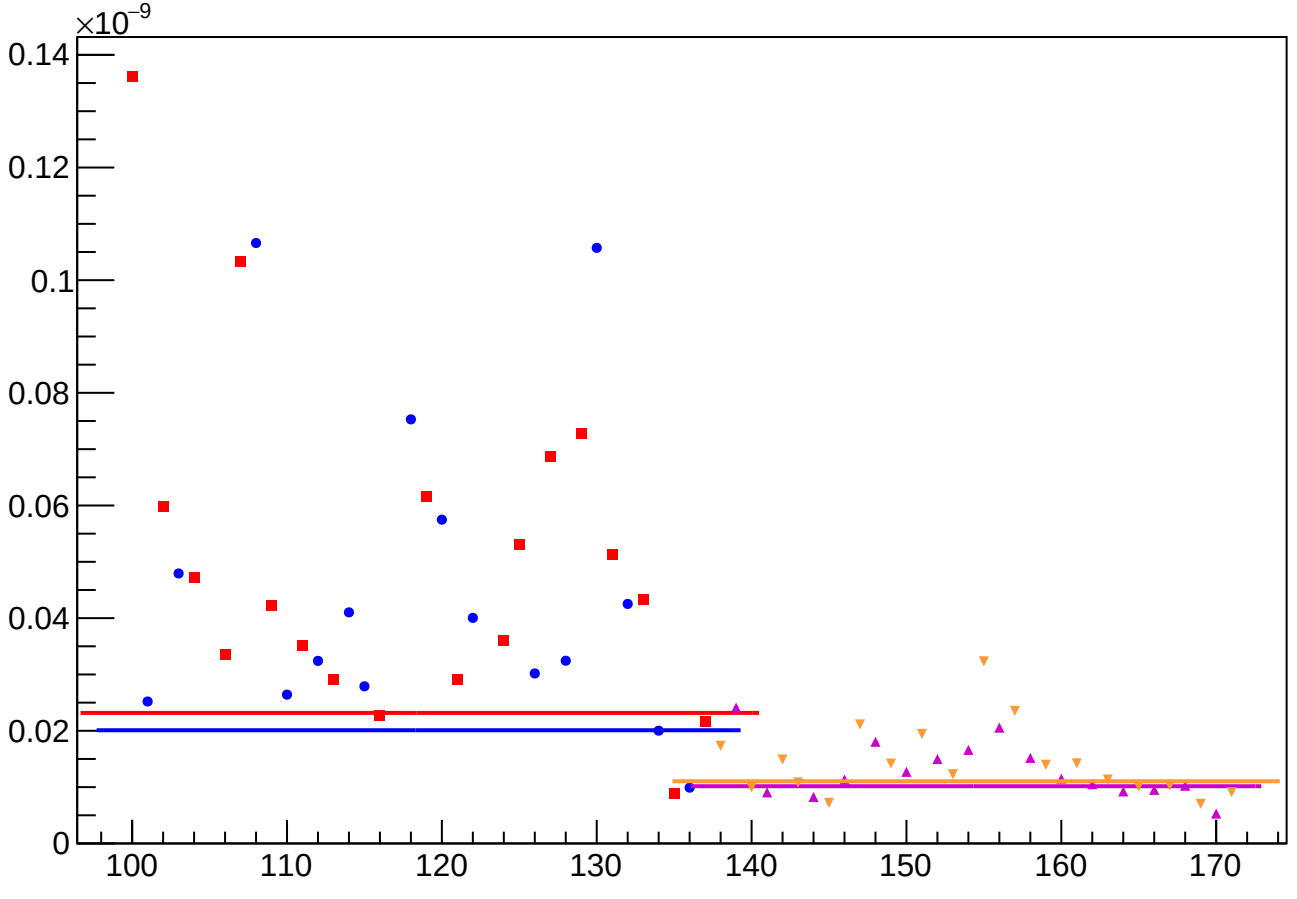
Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.6/31

Out: 0.000+/-0.000 χ^2/NDF:27.3/36

All: -0.000+/-0.000 χ^2/NDF: 52.3/68

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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:1951309.6/15

Left: 0.000+/-0.000 χ^2/NDF: 4170491.3/33

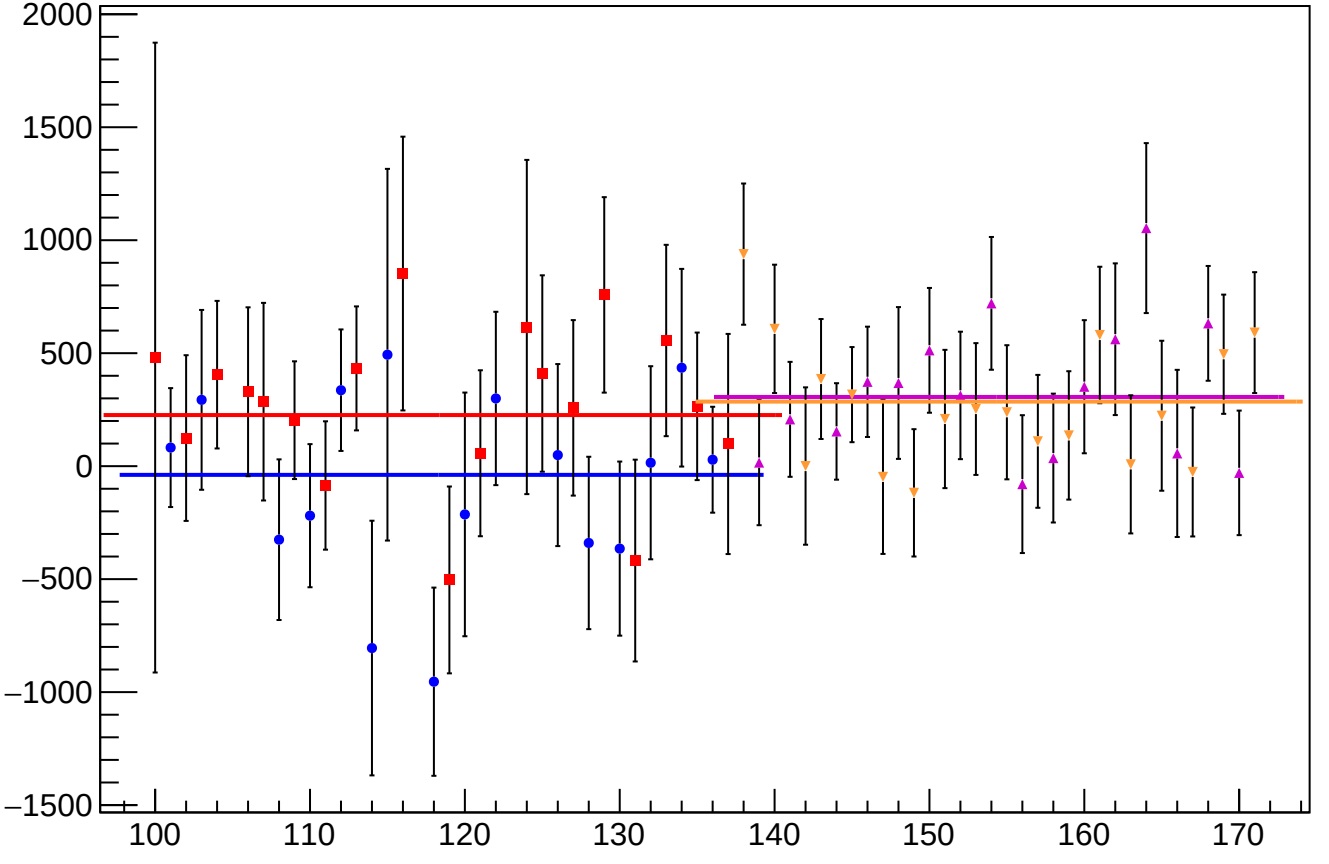
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6287351.9/31

Out: 0.000+/-0.000 χ^2/NDF:7179317.8/36

All: 0.000+/-0.000 χ^2/NDF: 13528938.9/68

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: 306.260+/-70.746 χ^2/NDF:15.1/15

Left: 295.525+/-48.926 χ^2/NDF: 30.3/33

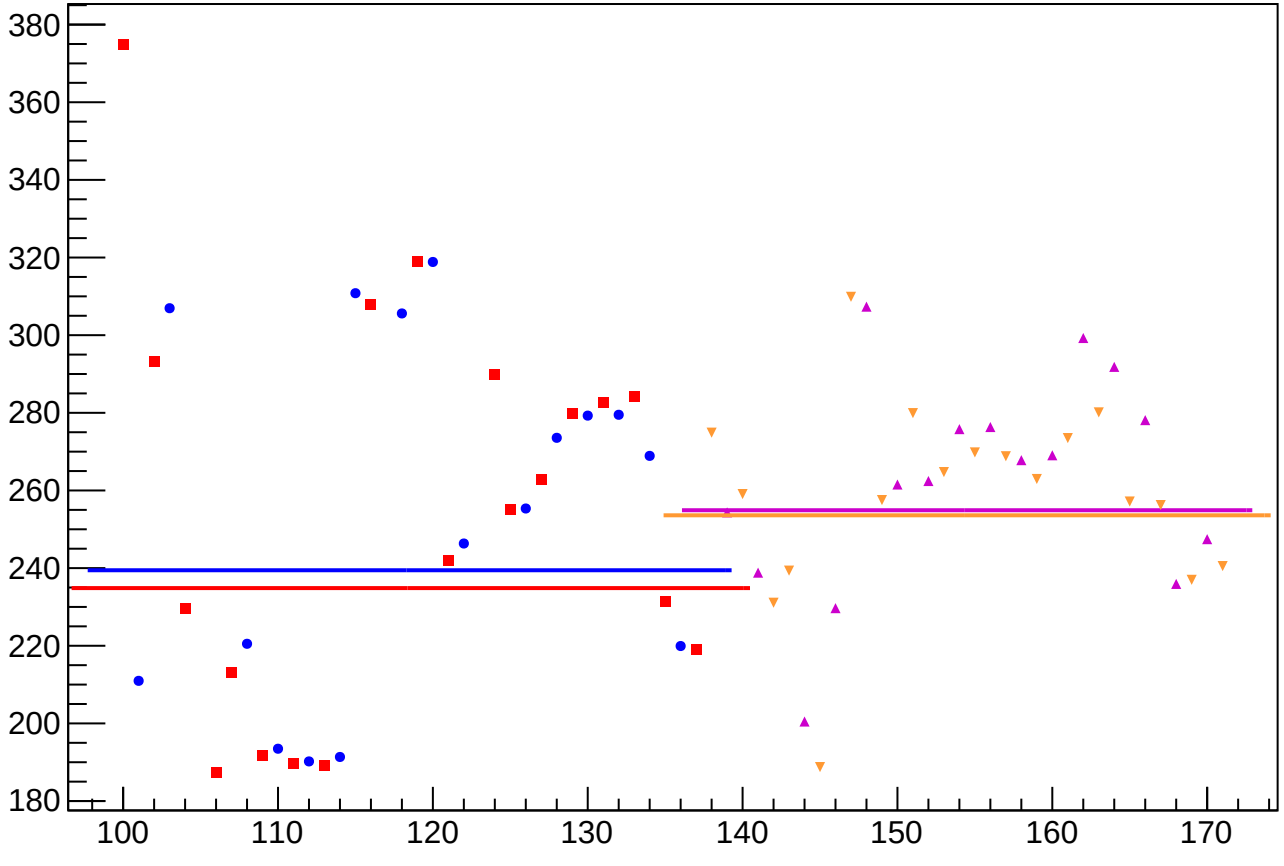
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 175.706+/-55.764 χ^2/NDF:38.5/31

Out: 263.512+/-53.656 χ^2/NDF:26.9/36

All: 221.300+/-38.664 χ^2/NDF: 66.7/68

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: 254.911+/-0.050 χ^2/NDF:313998.7/15

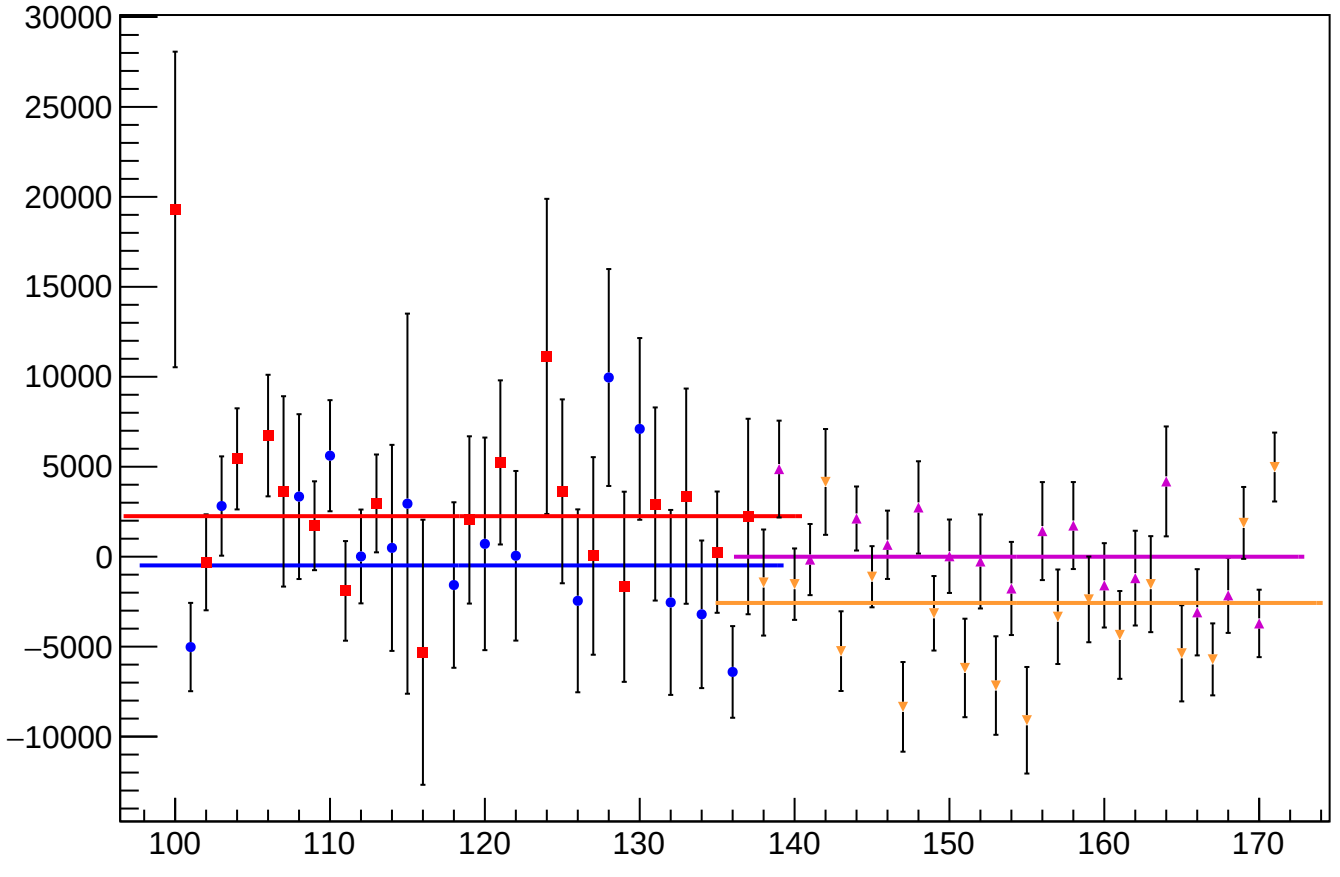
Left: 254.229+/-0.035 χ^2/NDF: 651312.5/33

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 249.056+/-0.039 χ^2/NDF:751131.2/31

Out: 246.619+/-0.038 χ^2/NDF:875756.8/36

All: 247.790+/-0.027 χ^2/NDF: 1628871.4/68



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: -2.734+/-567.802 χ^2/NDF:16.4/15

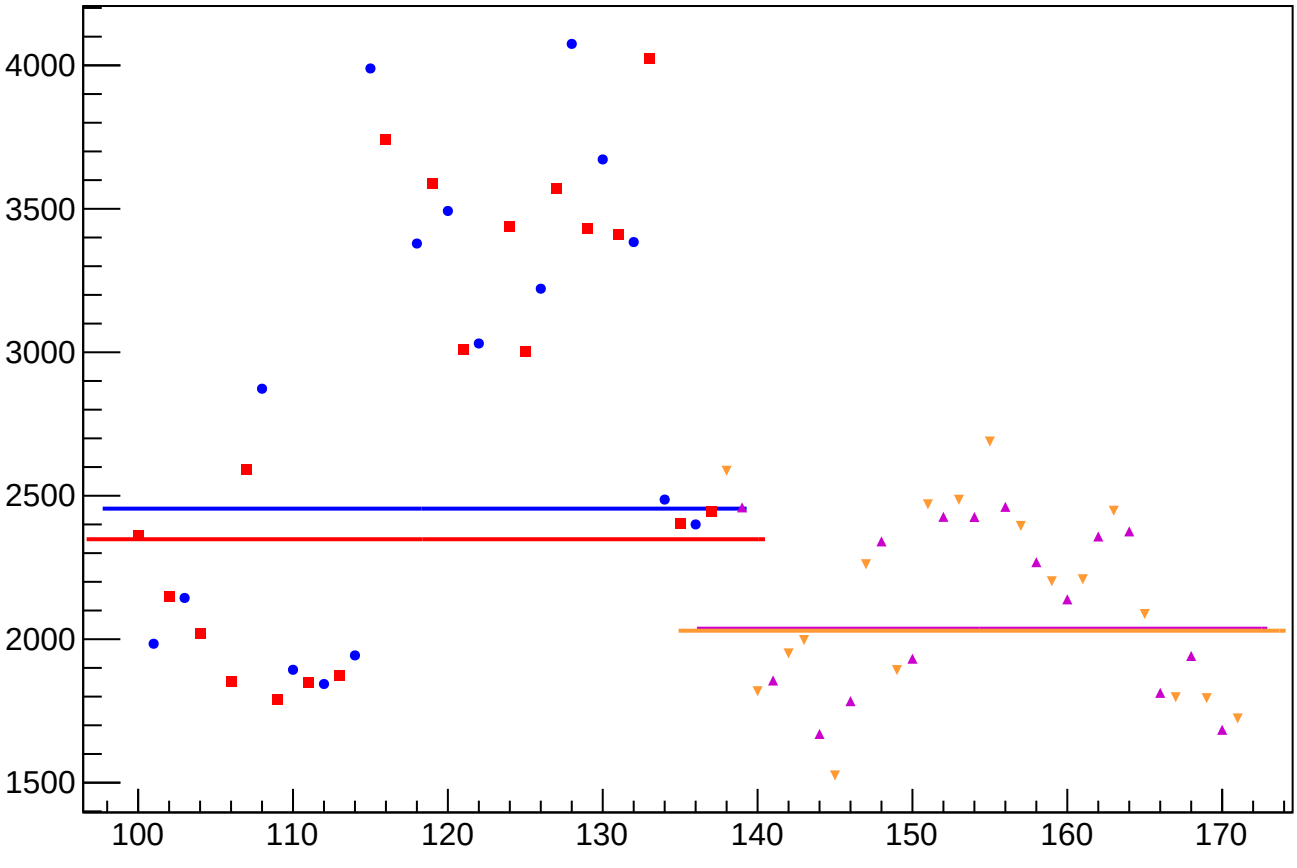
Left: -1337.076+/-393.636 χ^2/NDF: 74.6/33

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: -130.416+/-487.039 χ^2/NDF:37.7/31

Out: -1261.035+/-466.116 χ^2/NDF:82.6/36

All: -720.532+/-336.748 χ^2/NDF: 123.2/68



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: 2036.666+/-0.401 χ^2/NDF:527070.0/15

Left: 2033.045+/-0.278 χ^2/NDF: 1247410.8/33

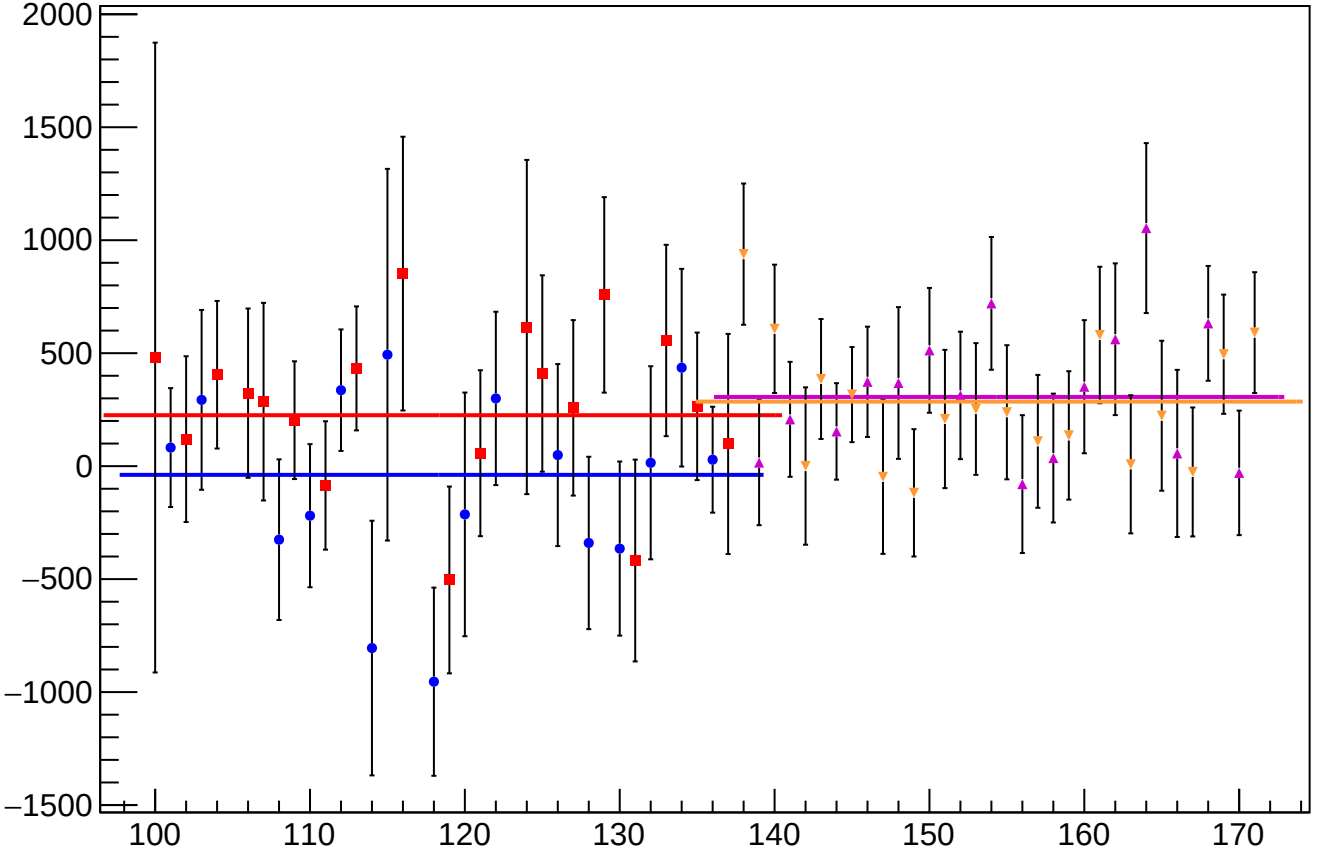
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2147.236+/-0.344 χ^2/NDF:1708473.3/31

Out: 2116.310+/-0.330 χ^2/NDF:1957696.8/36

All: 2131.094+/-0.238 χ^2/NDF: 3670379.0/68

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: 306.260+/-70.746 χ^2/NDF:15.1/15

Left: 295.528+/-48.926 χ^2/NDF: 30.3/33

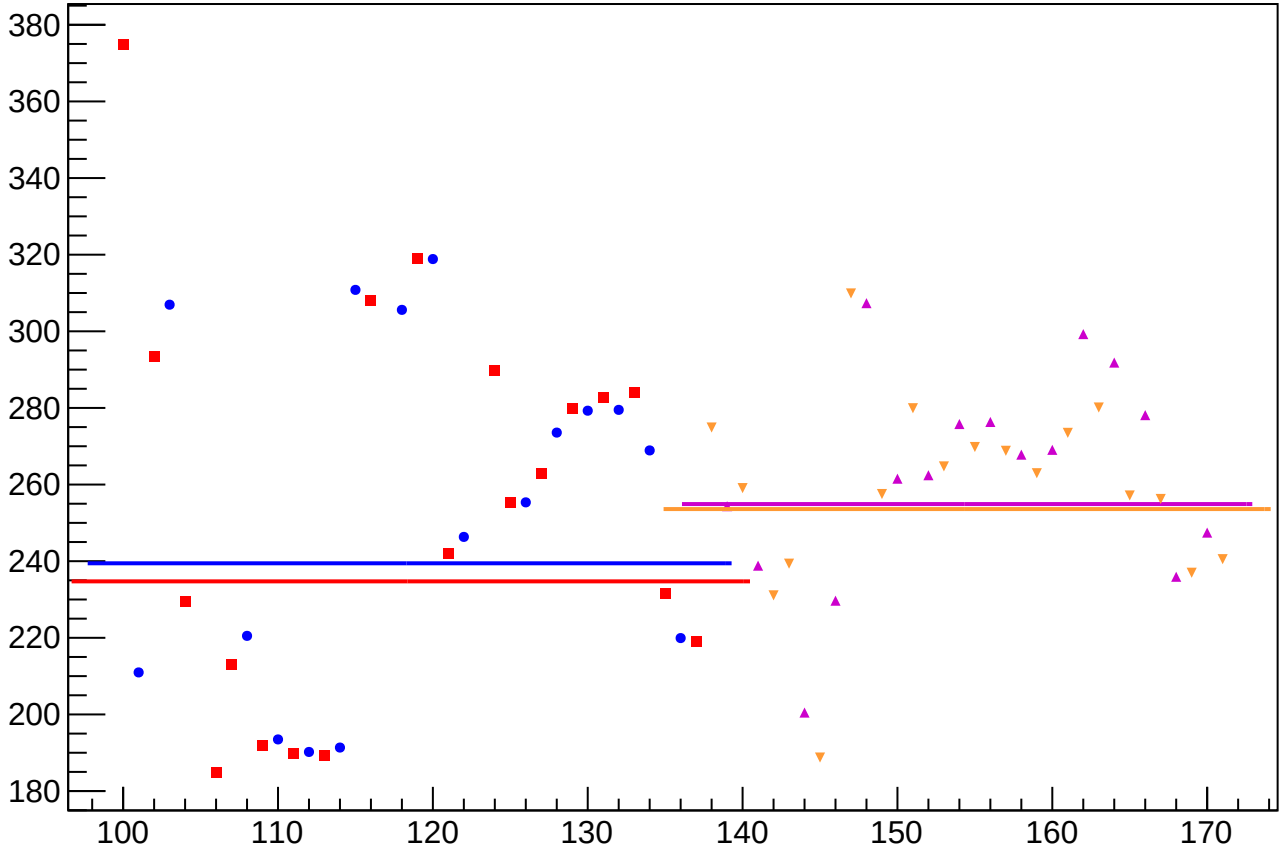
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 175.698+/-55.764 χ^2/NDF:38.5/31

Out: 263.276+/-53.659 χ^2/NDF:26.9/36

All: 221.172+/-38.665 χ^2/NDF: 66.7/68

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: 254.911+/-0.050 χ^2/NDF:313998.8/15

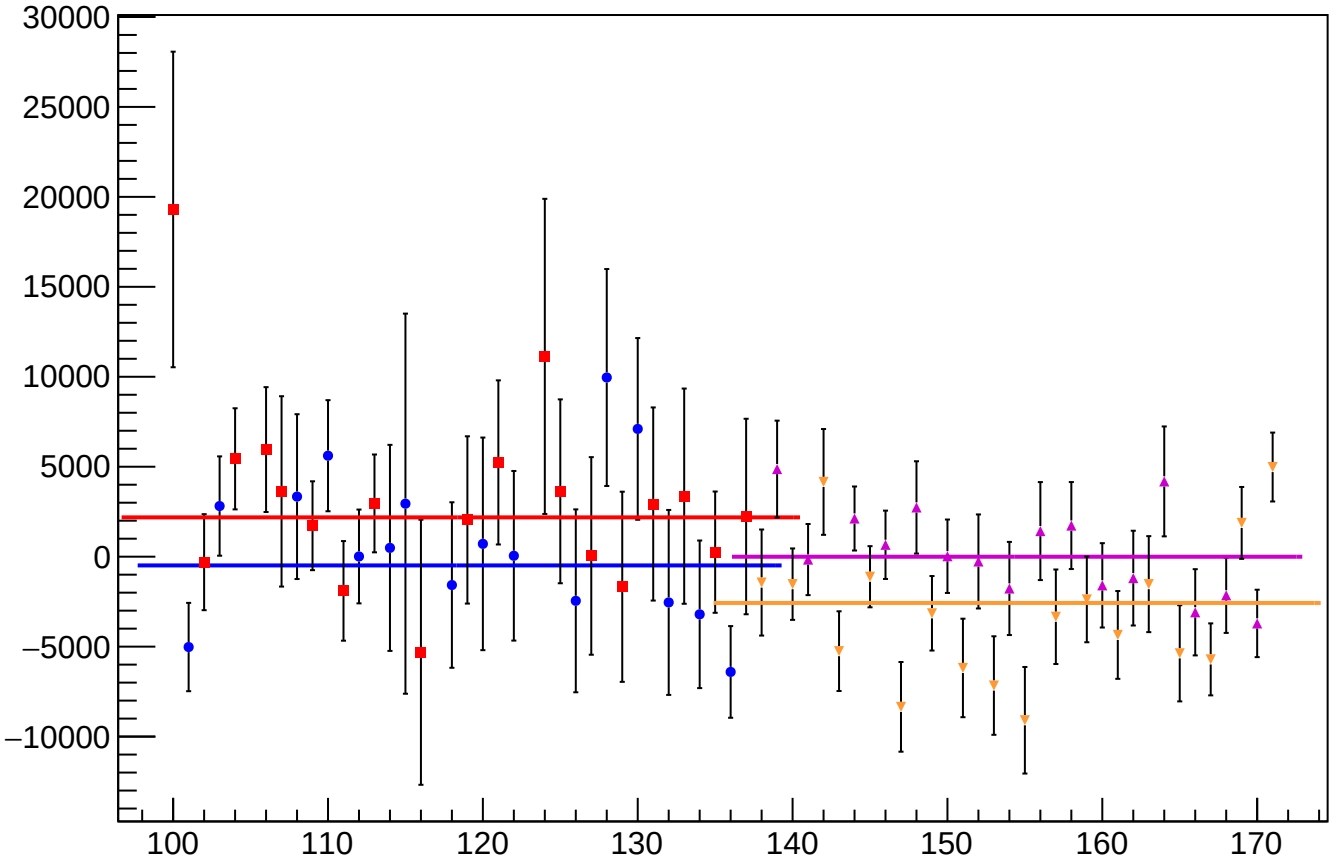
Left: 254.229+/-0.035 χ^2/NDF: 651312.5/33

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.056+/-0.039 χ^2/NDF:751133.4/31

Out: 246.575+/-0.038 χ^2/NDF:880012.2/36

All: 247.768+/-0.027 χ^2/NDF: 1633201.0/68



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: -2.717+/-567.802 χ^2/NDF:16.4/15

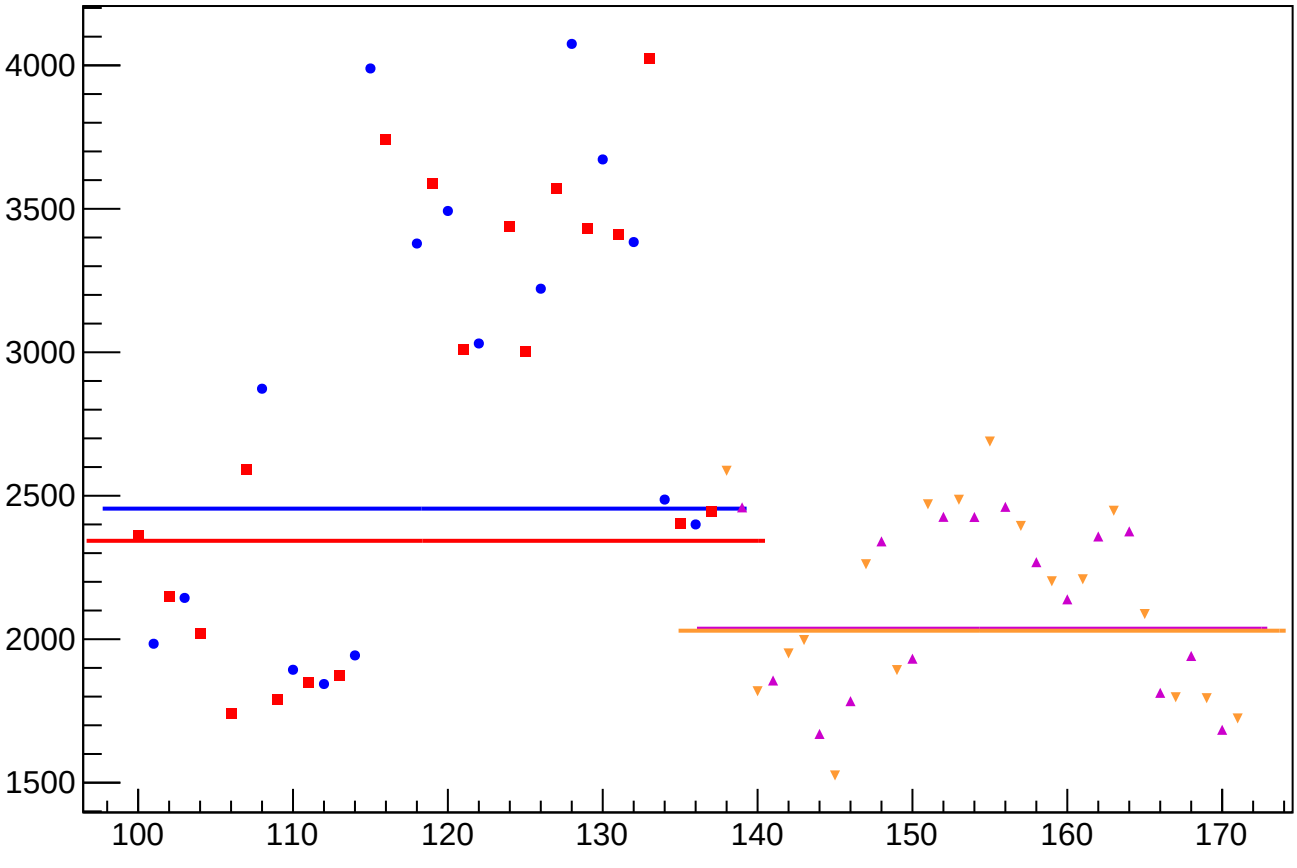
Left: -1337.065+/-393.636 χ^2/NDF: 74.6/33

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: -130.448+/-487.040 χ^2/NDF:37.7/31

Out: -1282.808+/-466.355 χ^2/NDF:81.4/36

All: -731.617+/-336.838 χ^2/NDF: 122.0/68



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: 2036.667+/-0.401 χ^2/NDF:527068.3/15

Left: 2033.045+/-0.278 χ^2/NDF: 1247411.1/33

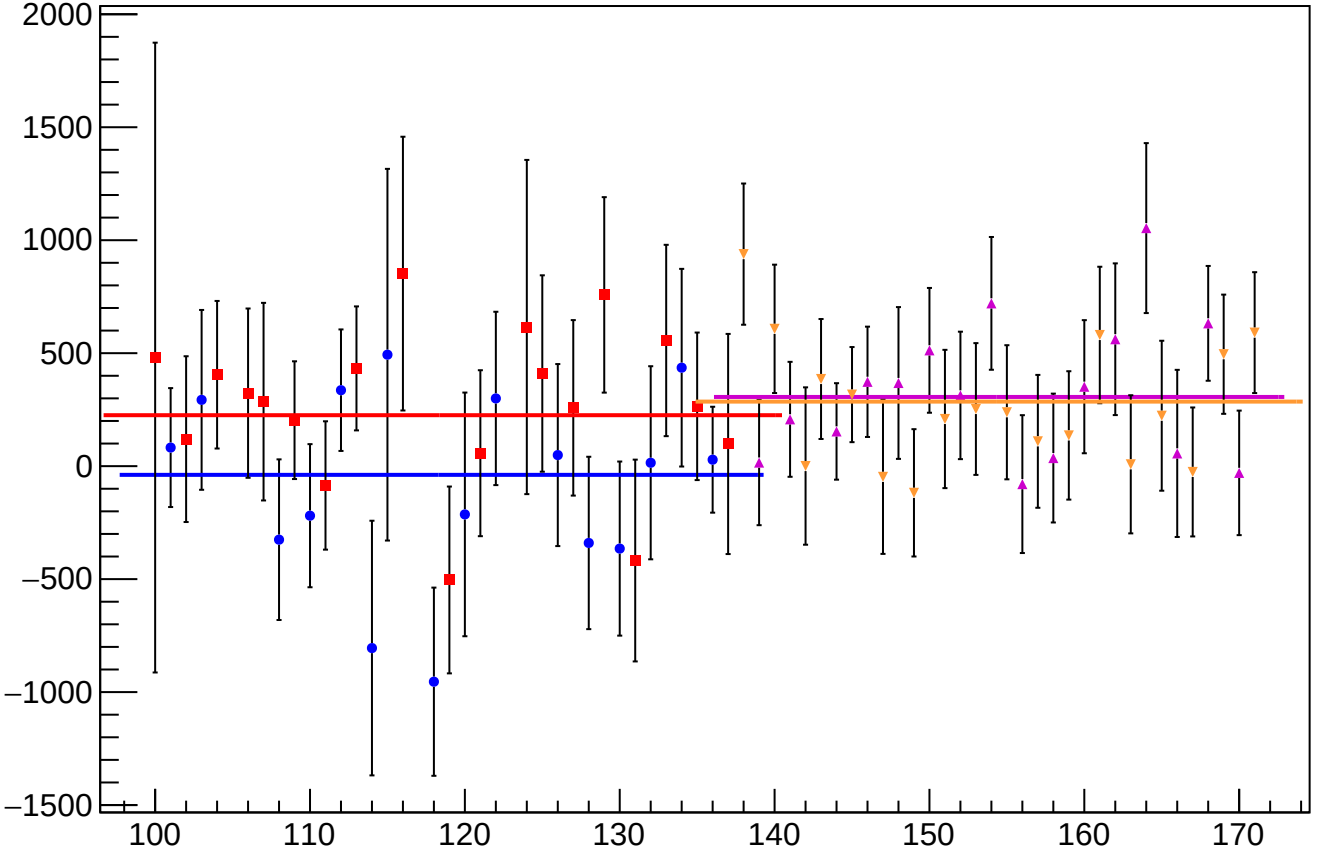
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2147.241+/-0.344 χ^2/NDF:1708469.1/31

Out: 2114.584+/-0.330 χ^2/NDF:1968851.9/36

All: 2130.204+/-0.238 χ^2/NDF: 3682012.2/68

eigen_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: 306.260+/-70.746 χ^2/NDF:15.1/15

Left: 295.528+/-48.926 χ^2/NDF: 30.3/33

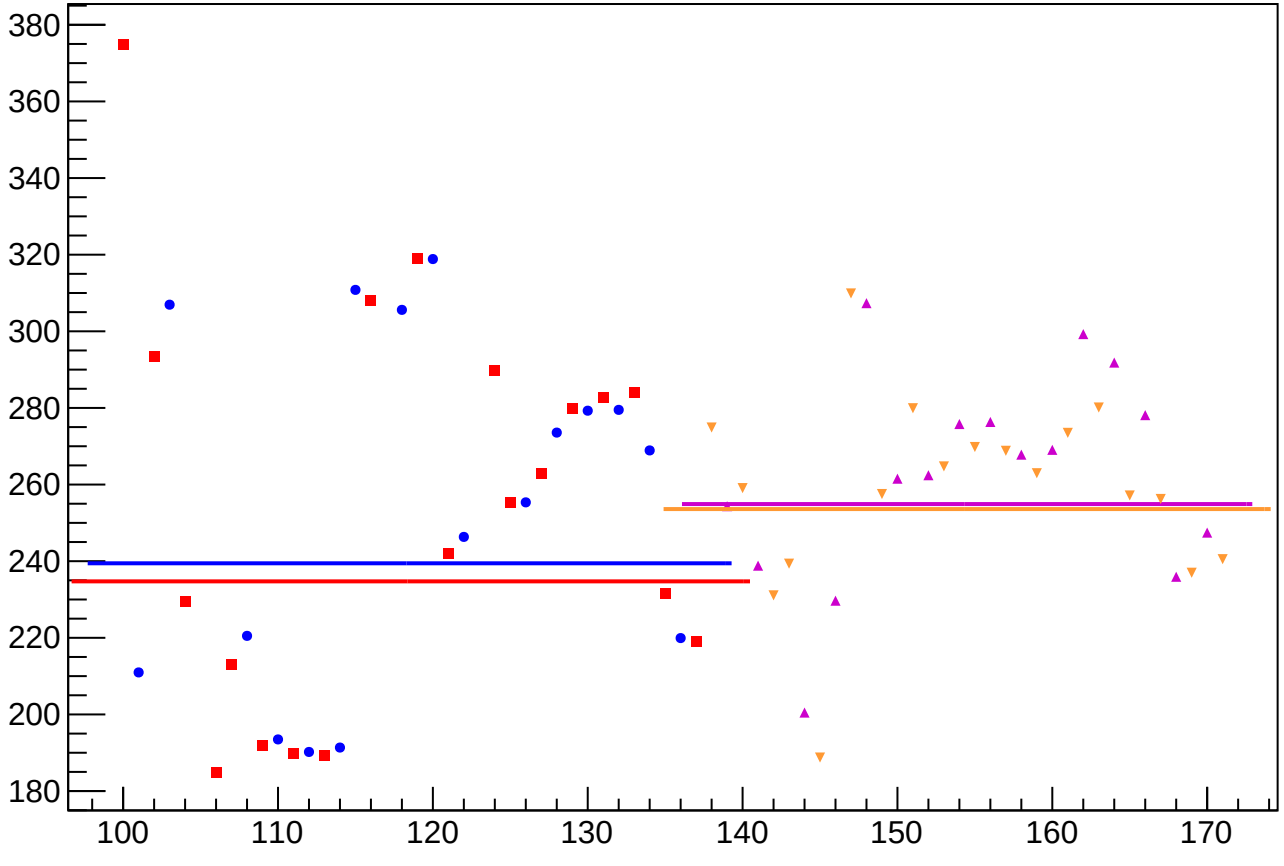
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 175.698+/-55.764 χ^2/NDF:38.5/31

Out: 263.276+/-53.659 χ^2/NDF:26.9/36

All: 221.172+/-38.665 χ^2/NDF: 66.7/68

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: 254.911+/-0.050 χ^2/NDF:313998.8/15

Left: 254.229+/-0.035 χ^2/NDF: 651312.5/33

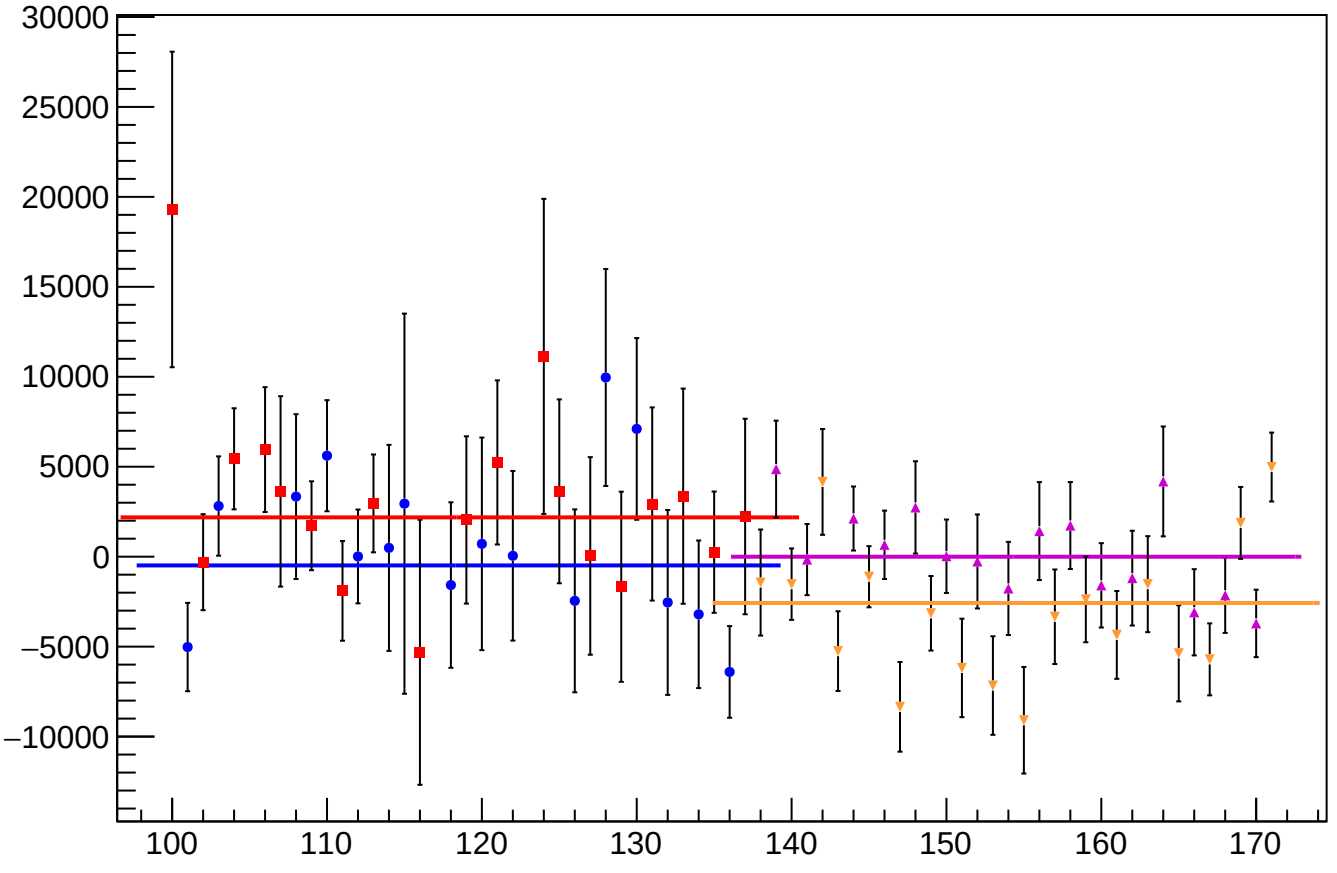
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 249.056+/-0.039 χ^2/NDF:751133.4/31

Out: 246.575+/-0.038 χ^2/NDF:880012.2/36

All: 247.768+/-0.027 χ^2/NDF: 1633201.0/68

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: -2.717+/-567.802 χ^2/NDF:16.4/15

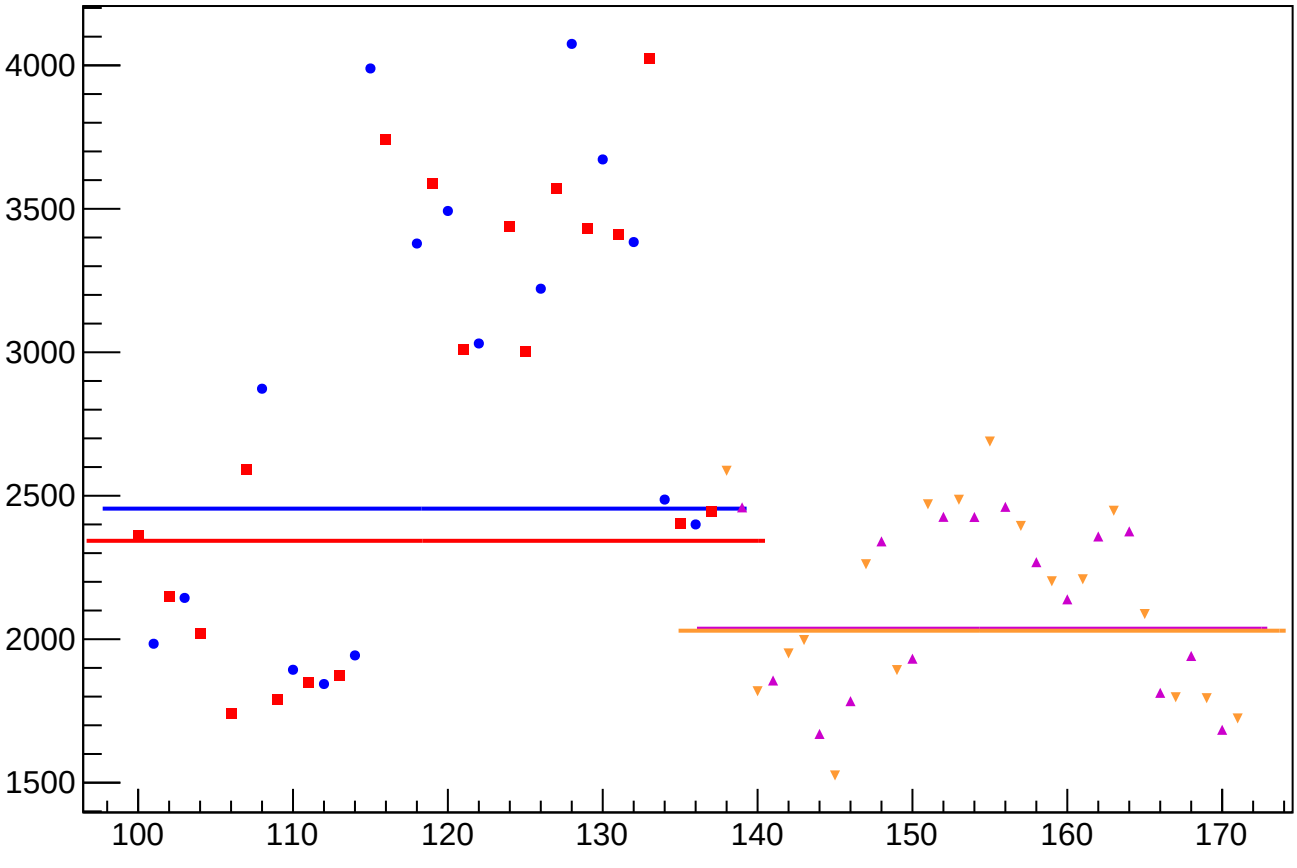
Left: -1337.065+/-393.636 χ^2/NDF: 74.6/33

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: -130.448+/-487.040 χ^2/NDF:37.7/31

Out: -1282.808+/-466.355 χ^2/NDF:81.4/36

All: -731.617+/-336.838 χ^2/NDF: 122.0/68



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: 2036.667+/-0.401 χ^2/NDF:527068.3/15

Left: 2033.045+/-0.278 χ^2/NDF: 1247411.1/33

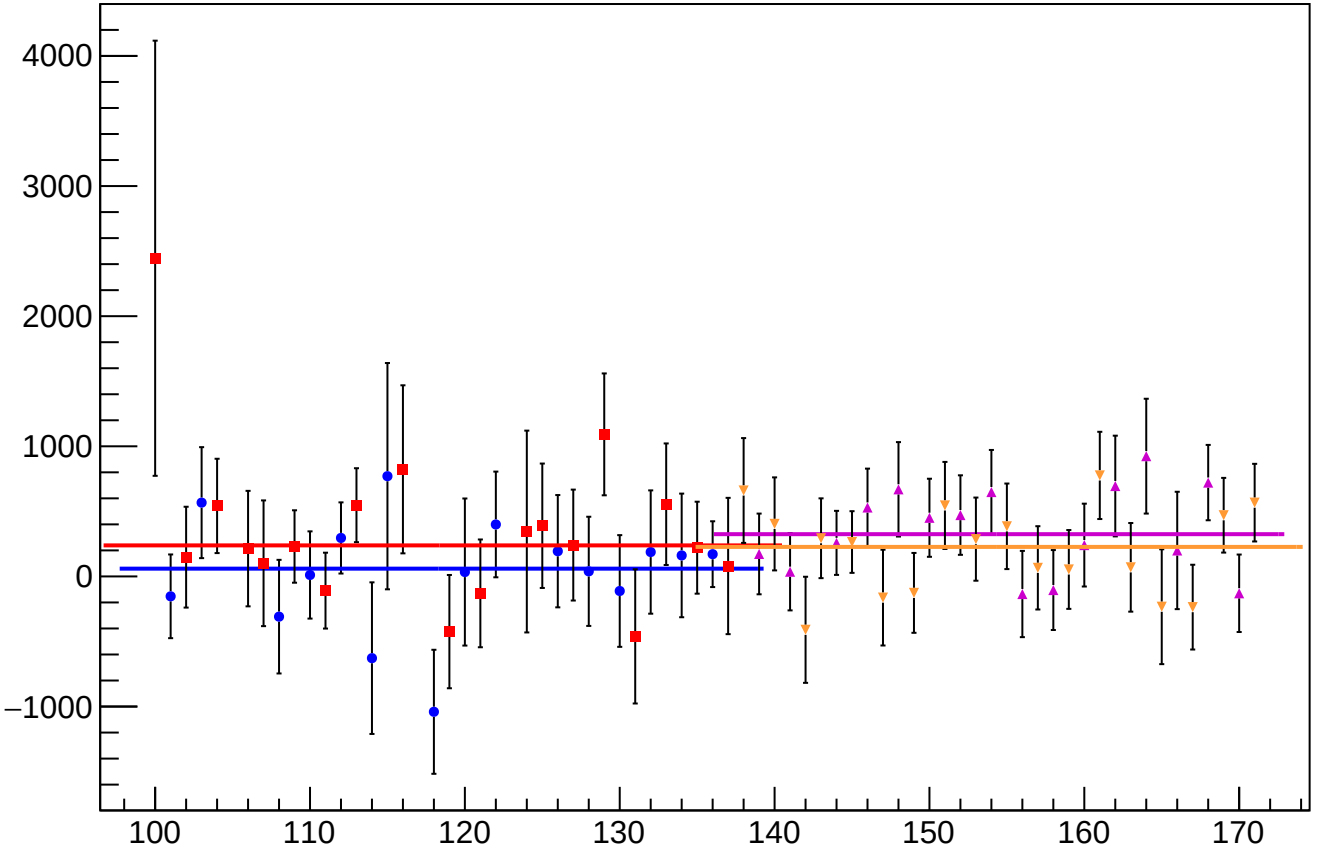
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2147.241+/-0.344 χ^2/NDF:1708469.1/31

Out: 2114.584+/-0.330 χ^2/NDF:1968851.9/36

All: 2130.204+/-0.238 χ^2/NDF: 3682012.2/68

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.864+/-76.571 χ^2/NDF:16.1/17

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 324.723+/-79.577 χ^2/NDF:15.0/15

Left: 273.910+/-55.176 χ^2/NDF: 32.0/33

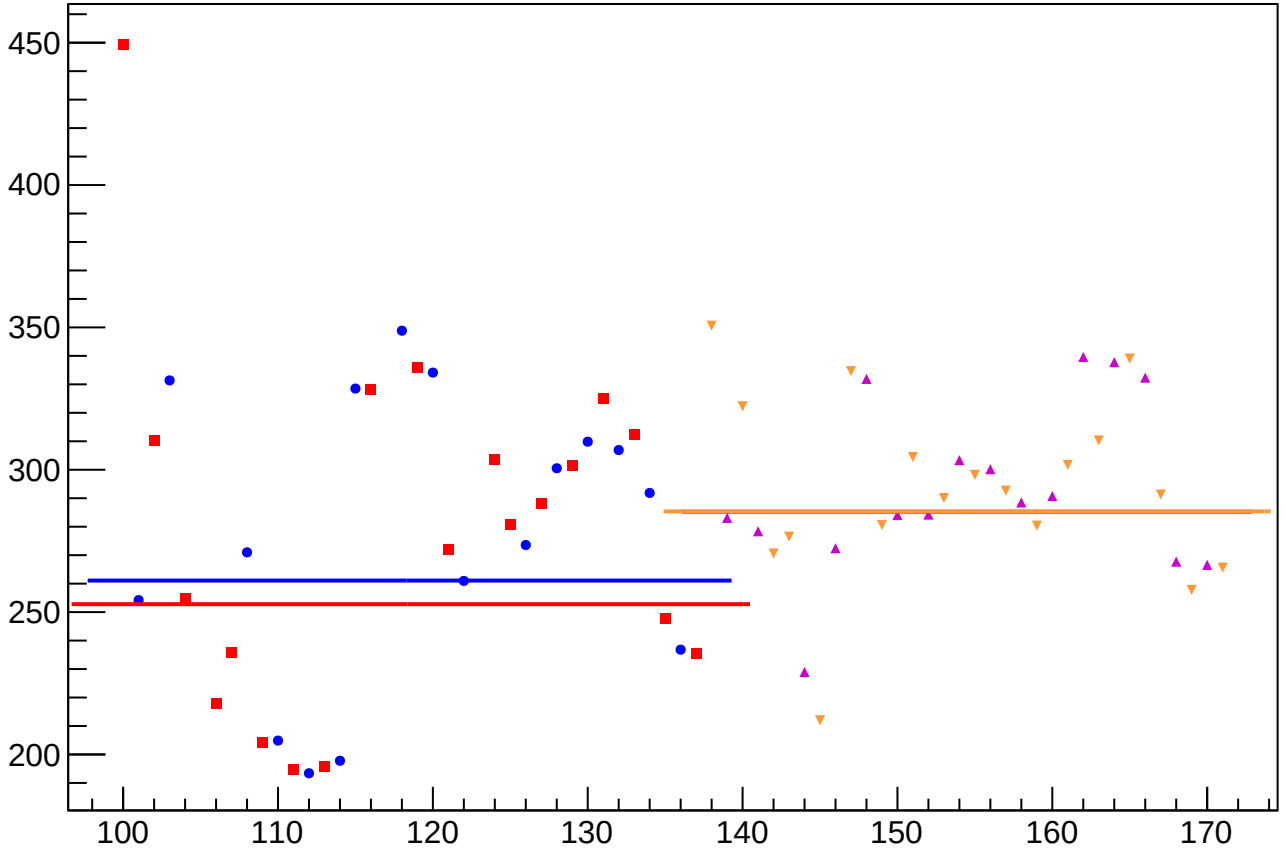
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 221.003+/-62.080 χ^2/NDF:31.4/31

Out: 231.449+/-59.632 χ^2/NDF:31.1/36

All: 226.436+/-43.006 χ^2/NDF: 62.5/68

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: 285.265+/-0.056 χ^2/NDF:258537.6/15

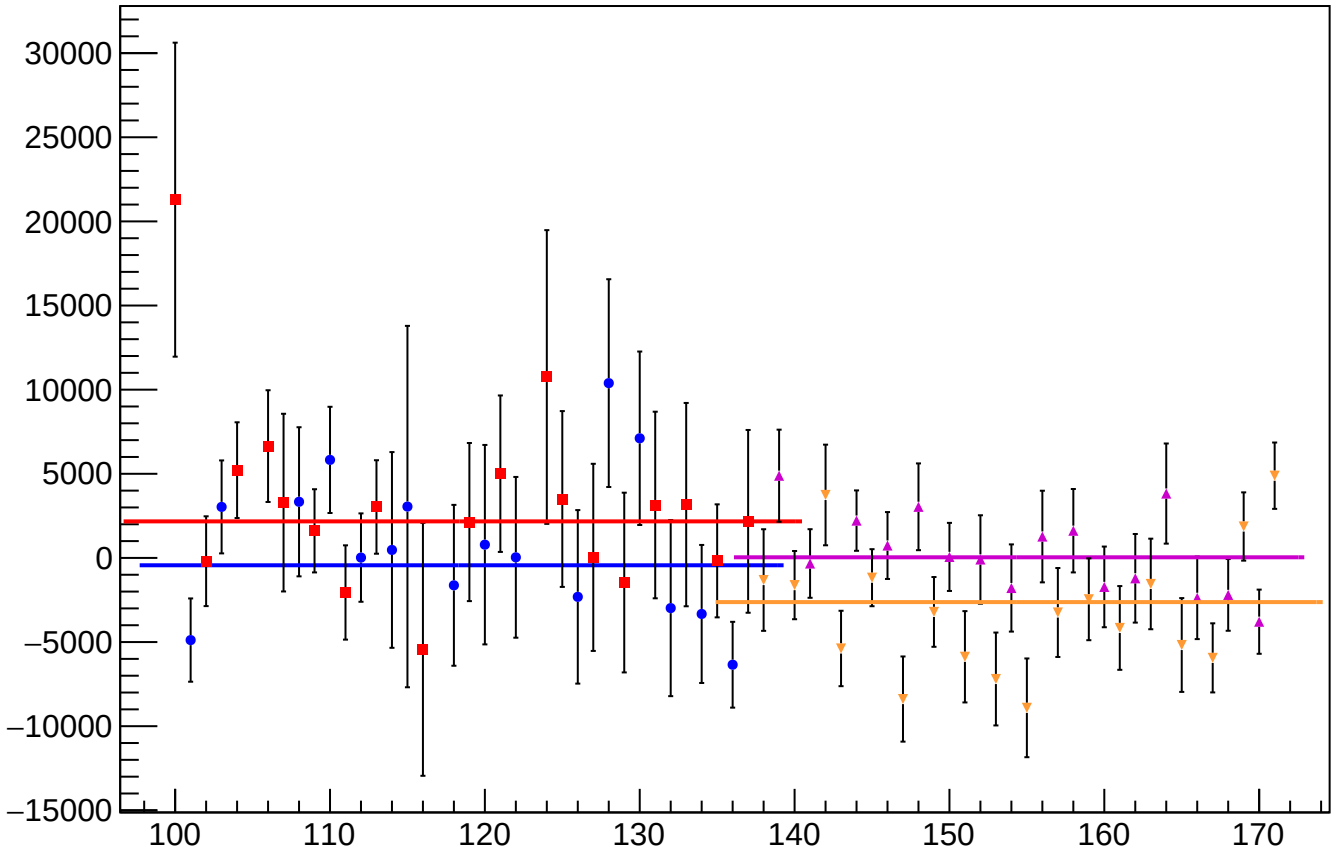
Left: 285.321+/-0.039 χ^2/NDF: 649156.0/33

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 275.802+/-0.044 χ^2/NDF:793449.3/31

Out: 272.551+/-0.042 χ^2/NDF:1070444.5/36

All: 274.111+/-0.030 χ^2/NDF: 1866746.6/68



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: 37.422+/-575.804 χ^2/NDF:15.7/15

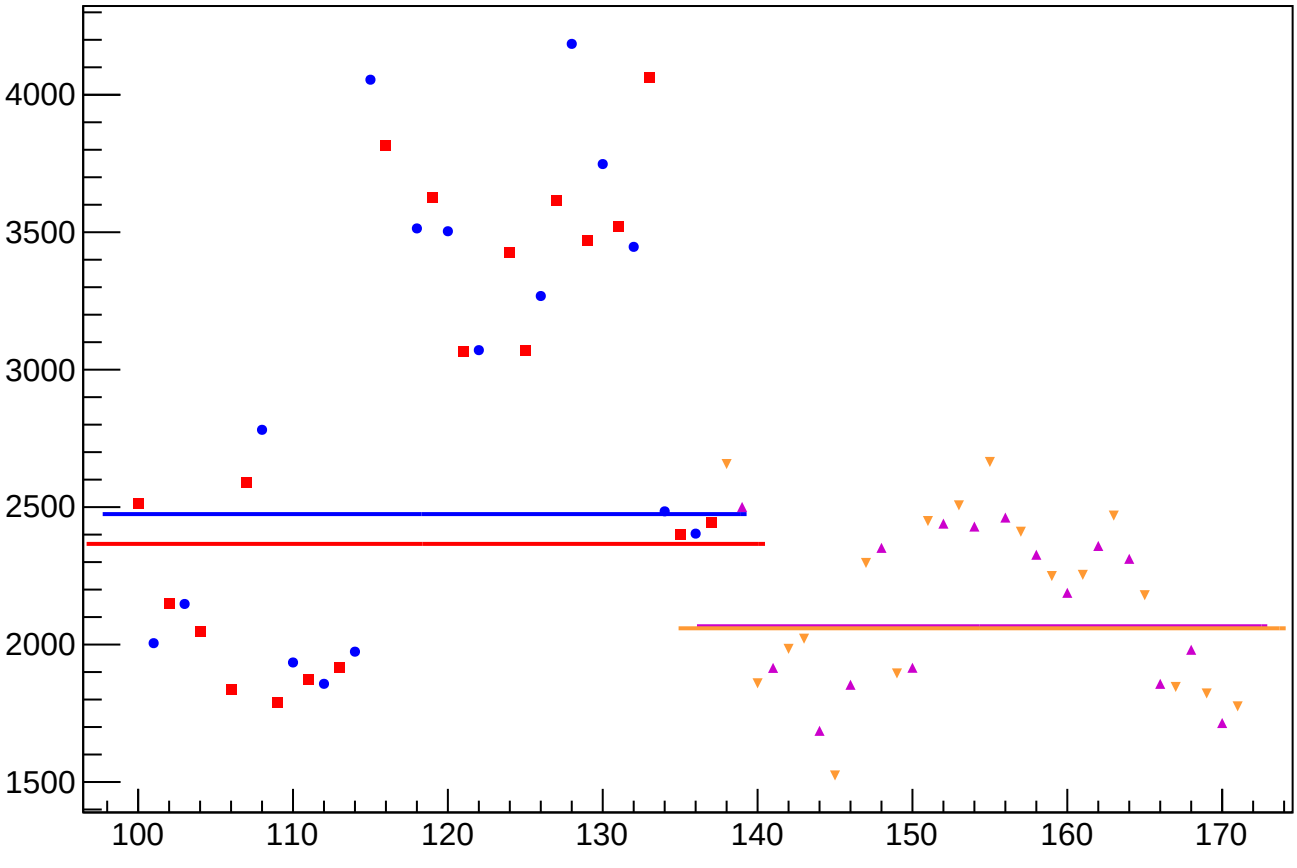
Left: -1345.785+/-399.108 χ^2/NDF: 71.5/33

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: -88.966+/-493.126 χ^2/NDF:37.1/31

Out: -1310.065+/-471.751 χ^2/NDF:79.3/36

All: -726.553+/-340.885 χ^2/NDF: 119.6/68



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: 2066.623+/-0.407 χ^2/NDF:482825.1/15

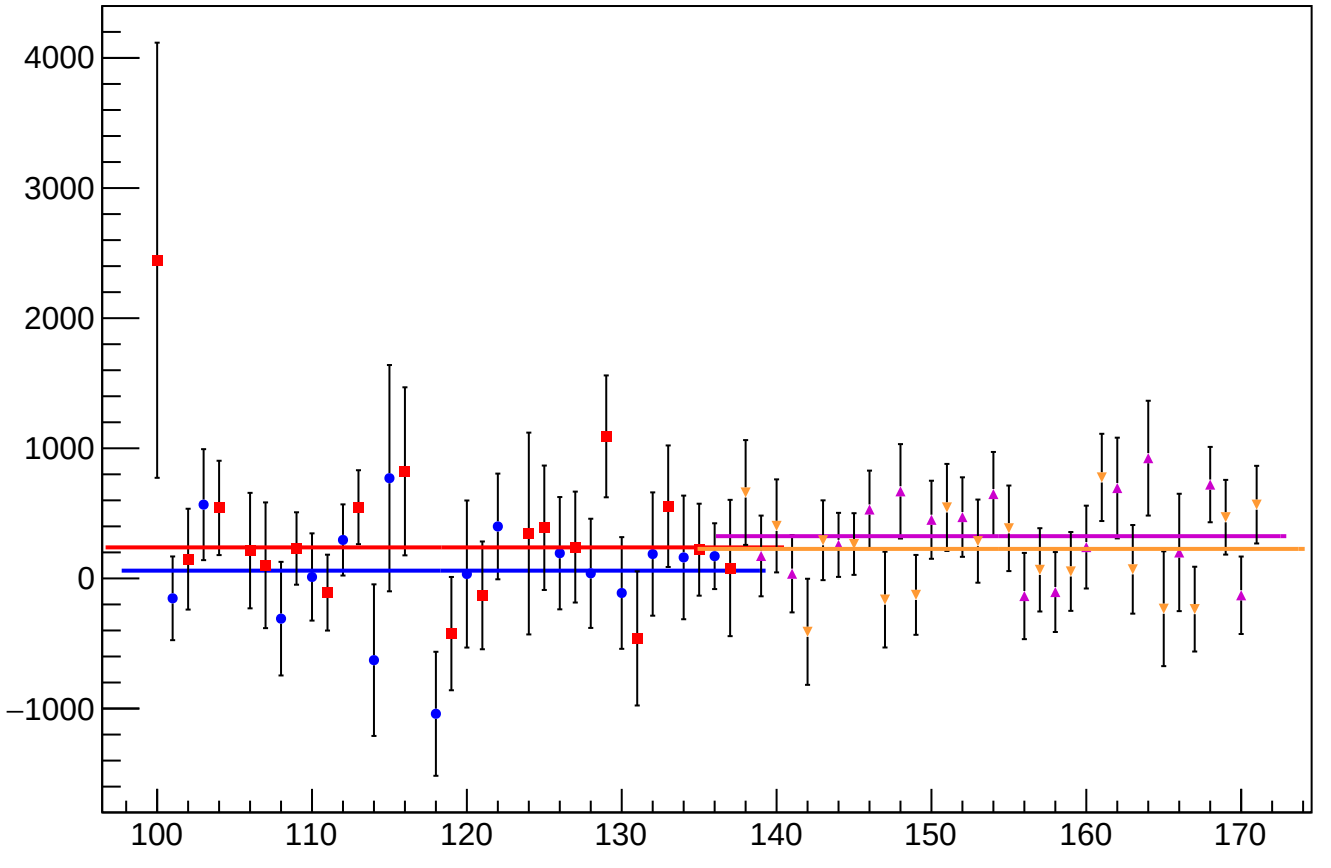
Left: 2062.742+/-0.282 χ^2/NDF: 1191549.4/33

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2175.377+/-0.349 χ^2/NDF:1666737.9/31

Out: 2143.315+/-0.334 χ^2/NDF:1954317.7/36

All: 2158.636+/-0.241 χ^2/NDF: 3625470.3/68



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 226.869+/-76.572 χ^2/NDF:16.1/17

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 324.725+/-79.578 χ^2/NDF:15.0/15

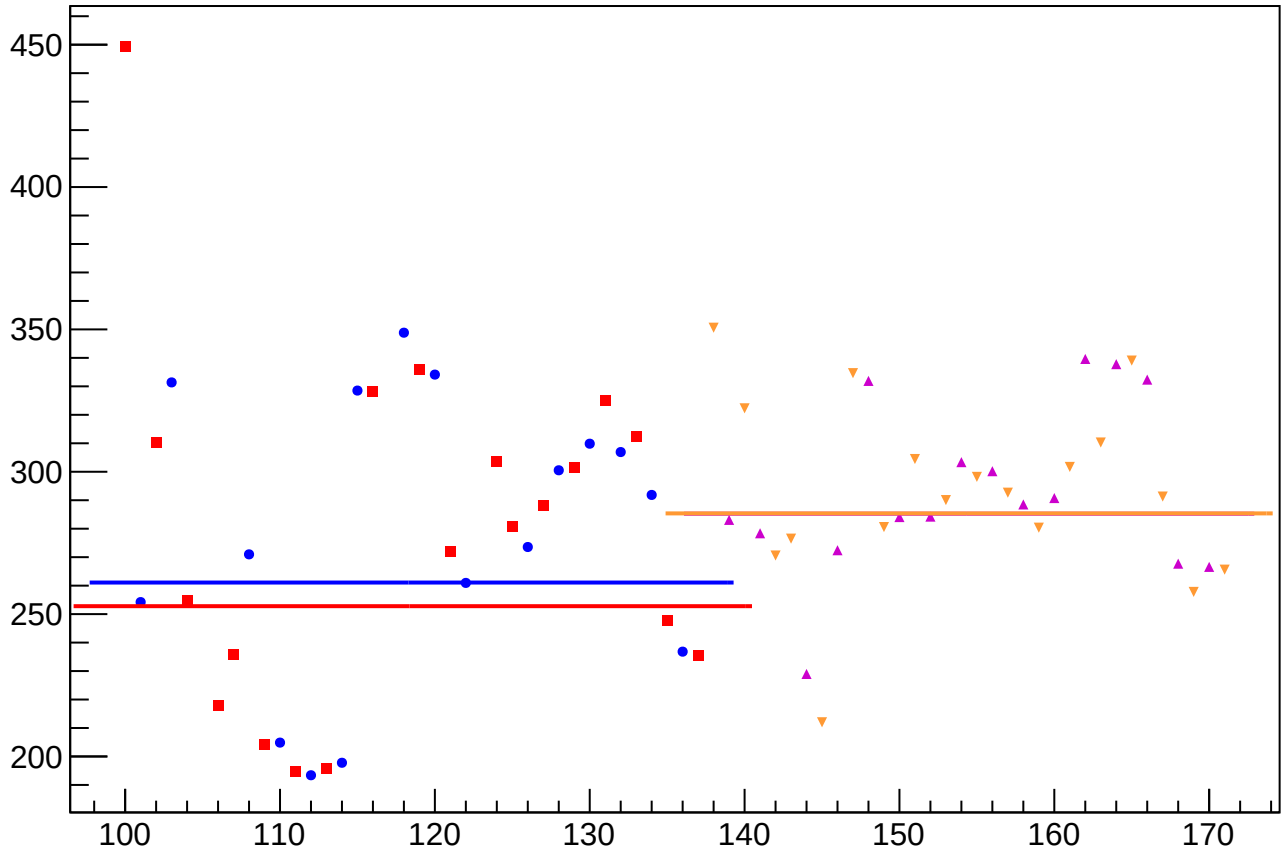
Left: 273.914+/-55.176 χ^2/NDF: 32.0/33

Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 221.006+/-62.080 χ^2/NDF:31.4/31

Out: 231.452+/-59.632 χ^2/NDF:31.1/36

All: 226.439+/-43.006 χ^2/NDF: 62.5/68


eigen_dit_asym_sam4_rms vs Slug, Sign Corrected
450
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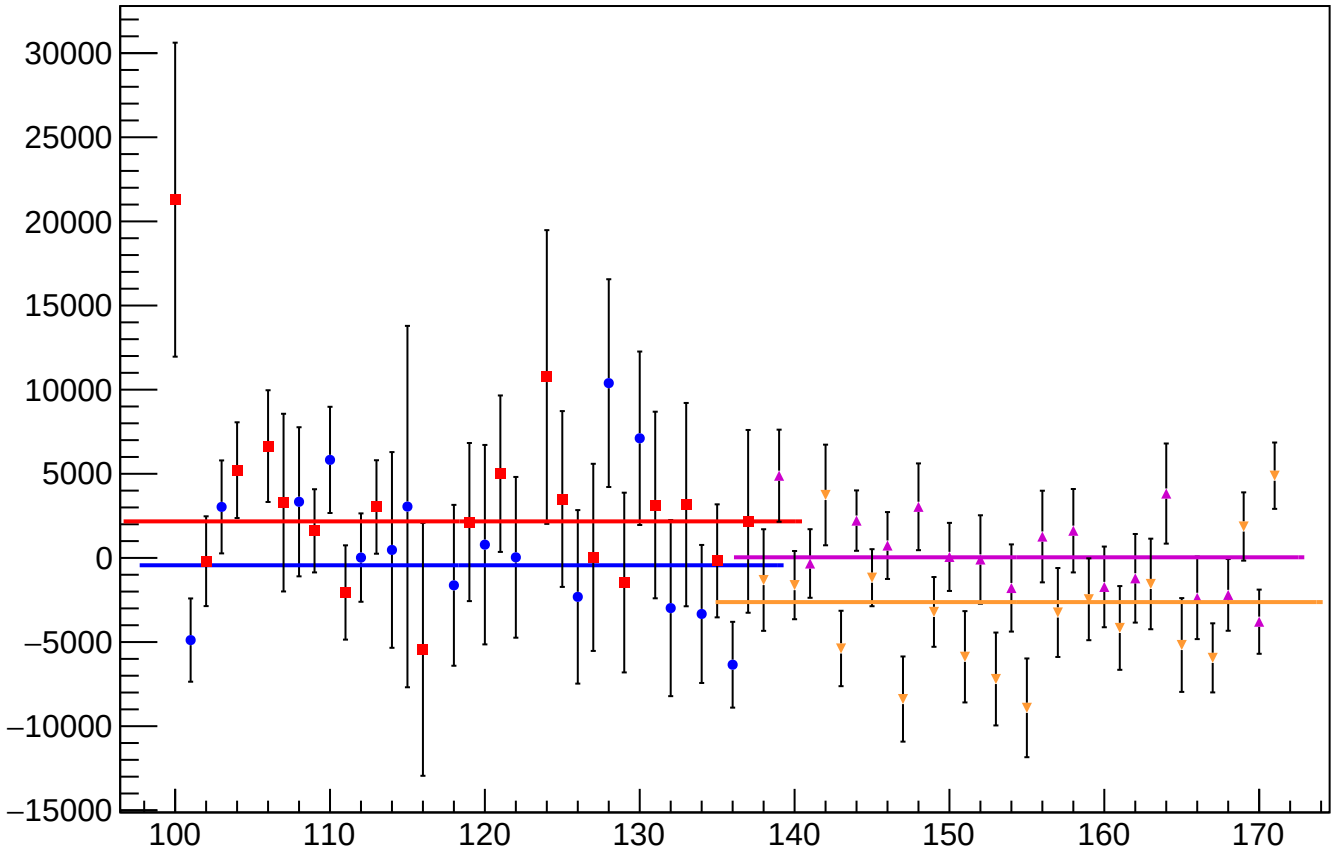
160
170
Right In: 261.089+/-0.070 χ²/NDF: 462665.3/15
Left Out: 285.374+/-0.054 χ²/NDF:390613.7/17
Right Out: 252.787+/-0.067 χ²/NDF: 537293.8/18
Left In: 285.265+/-0.056 χ²/NDF:258537.1/15
Left: 285.322+/-0.039 χ²/NDF: 649152.8/33
Right: 256.760+/-0.049 χ²/NDF: 1007258.7/34
In: 275.802+/-0.044 χ²/NDF:793453.2/31
Out: 272.551+/-0.042 χ²/NDF:1070448.8/36
All: 274.111+/-0.030 χ²/NDF: 1866754.8/68



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: 37.420+/-575.803 χ^2/NDF:15.7/15

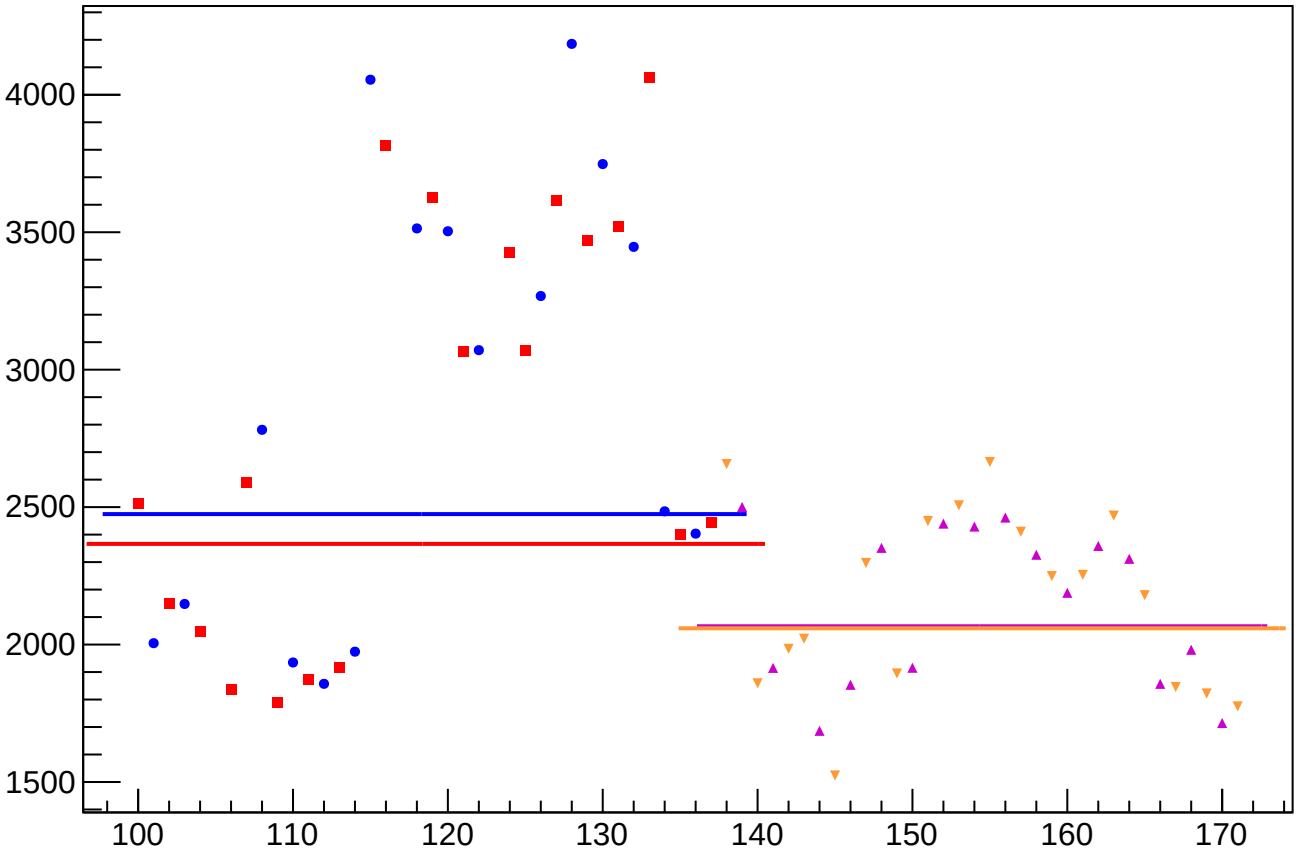
Left: -1345.783+/-399.108 χ^2/NDF: 71.5/33

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: -88.968+/-493.126 χ^2/NDF:37.1/31

Out: -1310.063+/-471.751 χ^2/NDF:79.3/36

All: -726.553+/-340.884 χ^2/NDF: 119.6/68



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: 2066.621+/-0.407 χ^2/NDF:482826.4/15

Left: 2062.739+/-0.282 χ^2/NDF: 1191555.2/33

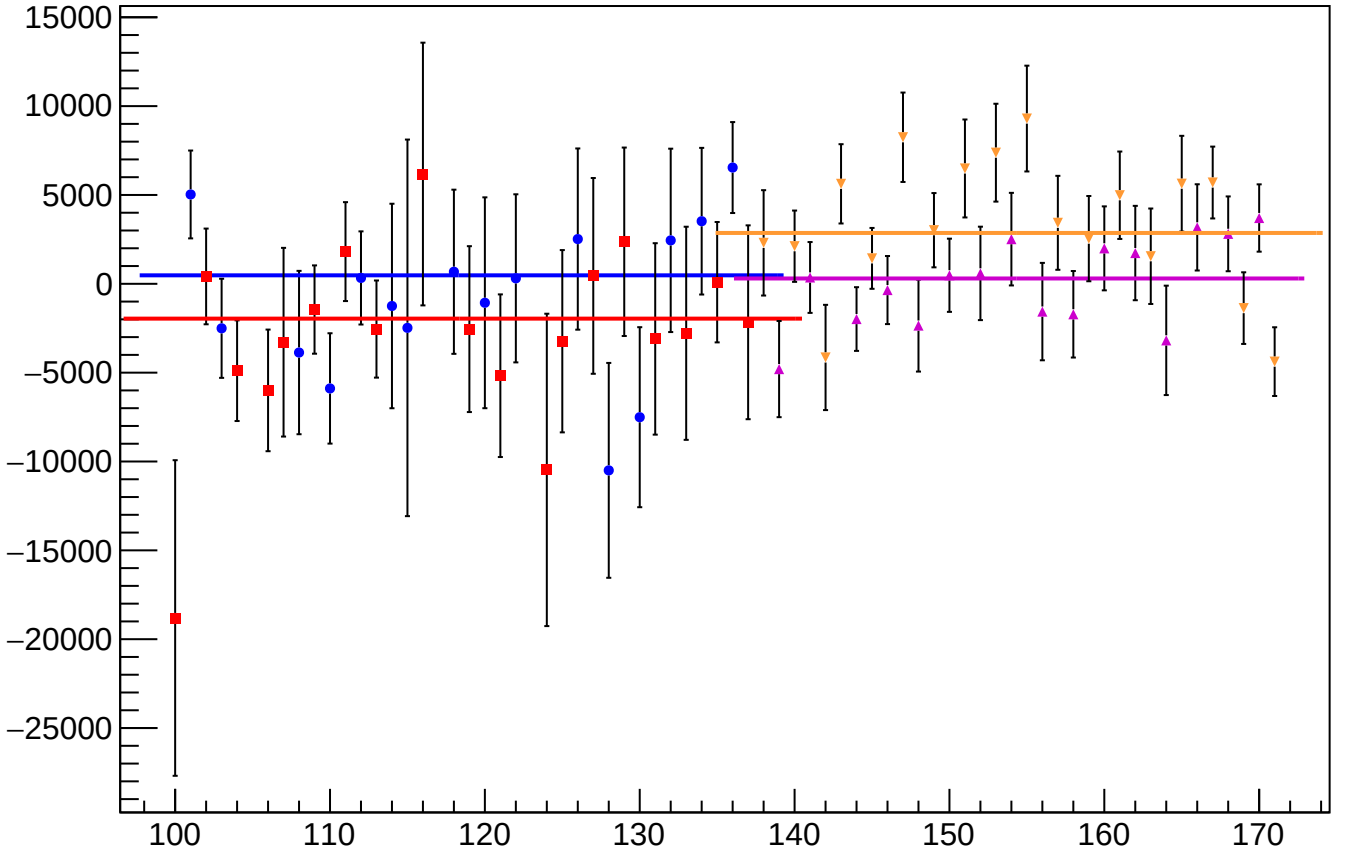
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2175.375+/-0.349 χ^2/NDF:1666744.0/31

Out: 2143.312+/-0.334 χ^2/NDF:1954325.8/36

All: 2158.634+/-0.241 χ^2/NDF: 3625484.6/68

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: 299.762+/-572.467 χ^2/NDF:16.4/15

Left: 1630.771+/-396.857 χ^2/NDF: 71.0/33

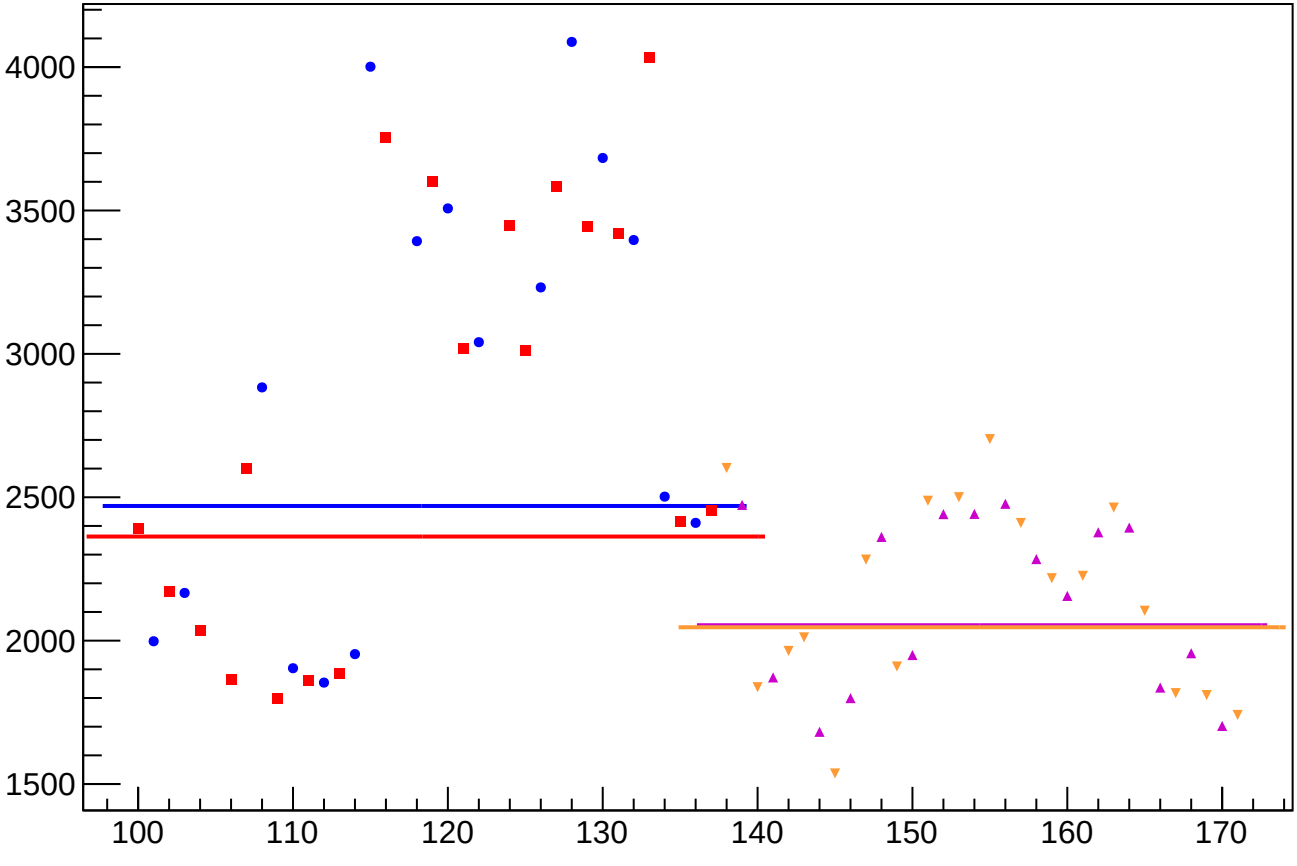
Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 346.852+/-490.701 χ^2/NDF:38.5/31

Out: 1548.289+/-469.666 χ^2/NDF:77.9/36

All: 973.873+/-339.297 χ^2/NDF: 119.6/68

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: 2053.768+/-0.405 χ^2/NDF:519994.1/15

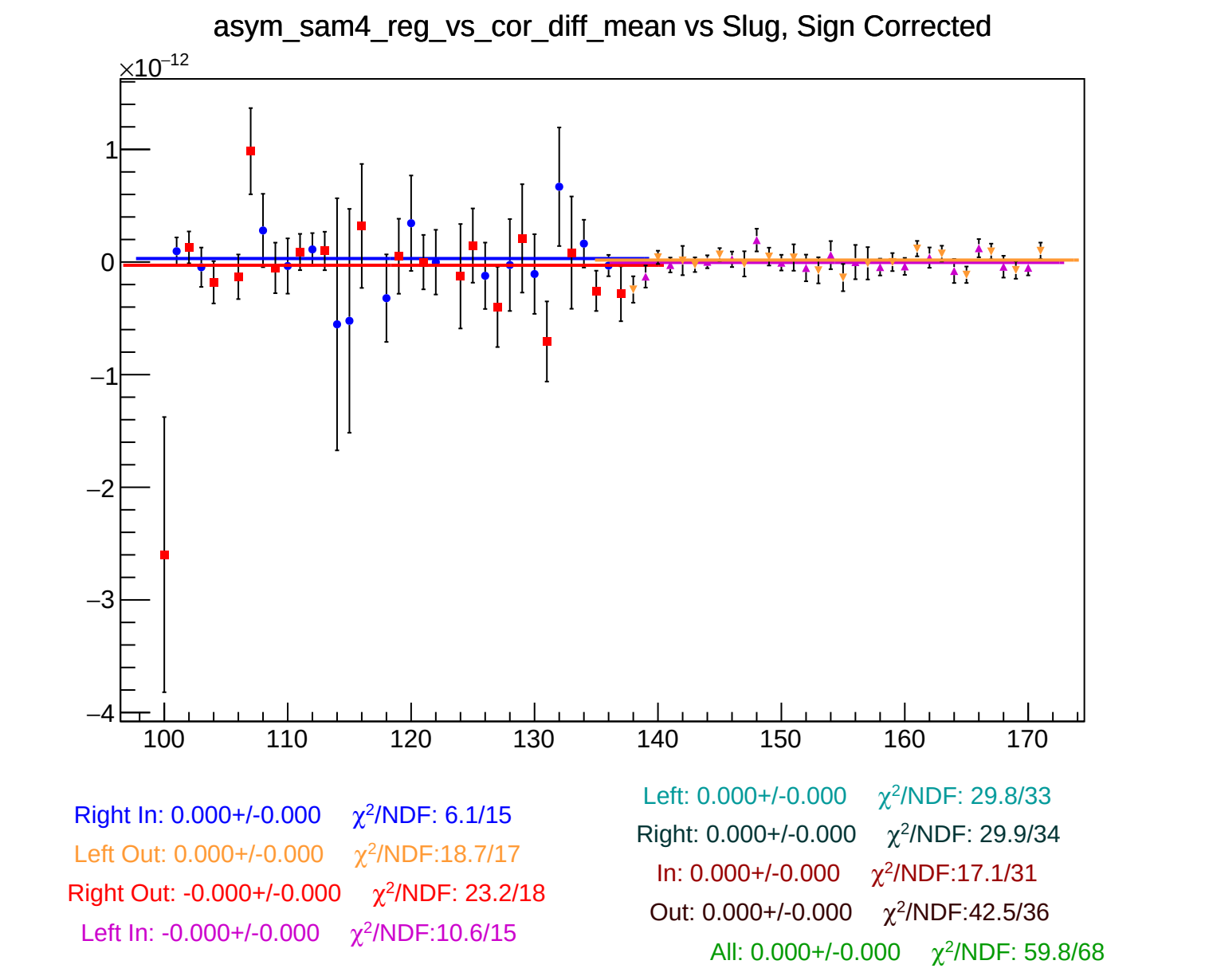
Left: 2050.083+/-0.281 χ^2/NDF: 1231263.7/33

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2164.082+/-0.347 χ^2/NDF:1686149.4/31

Out: 2132.891+/-0.332 χ^2/NDF:1934371.3/36

All: 2147.803+/-0.240 χ^2/NDF: 3624738.1/68


asym_sam4_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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−2
−3
−4
100
110
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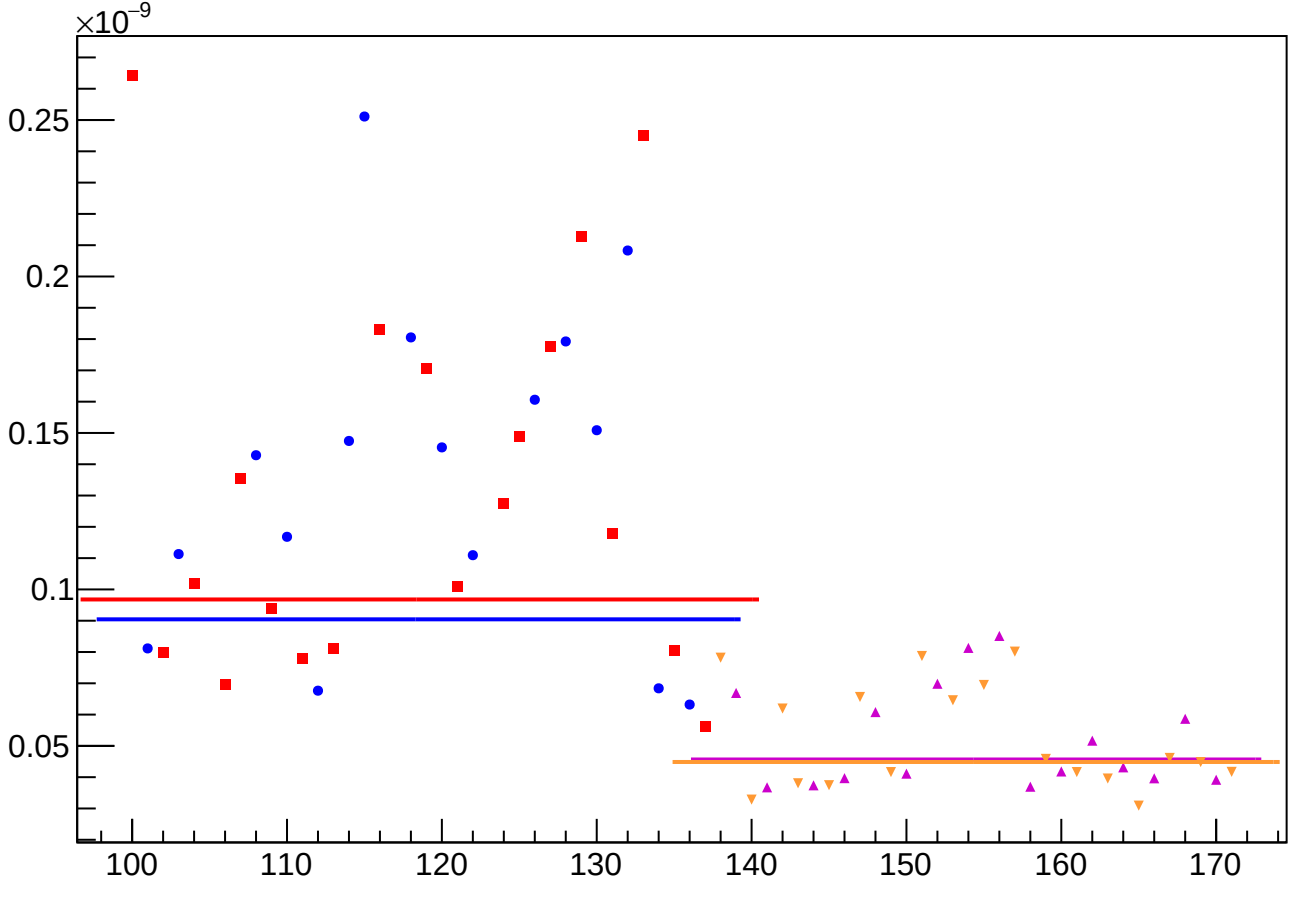
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 6.1/15
Left Out: 0.000+/-0.000 χ²/NDF:18.7/17
Right Out: -0.000+/-0.000 χ²/NDF: 23.2/18
Left In: -0.000+/-0.000 χ²/NDF:10.6/15
Left: 0.000+/-0.000 χ²/NDF: 29.8/33
Right: 0.000+/-0.000 χ²/NDF: 29.9/34
In: 0.000+/-0.000 χ²/NDF:17.1/31
Out: 0.000+/-0.000 χ²/NDF:42.5/36
All: 0.000+/-0.000 χ²/NDF: 59.8/68



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:729828.2/15

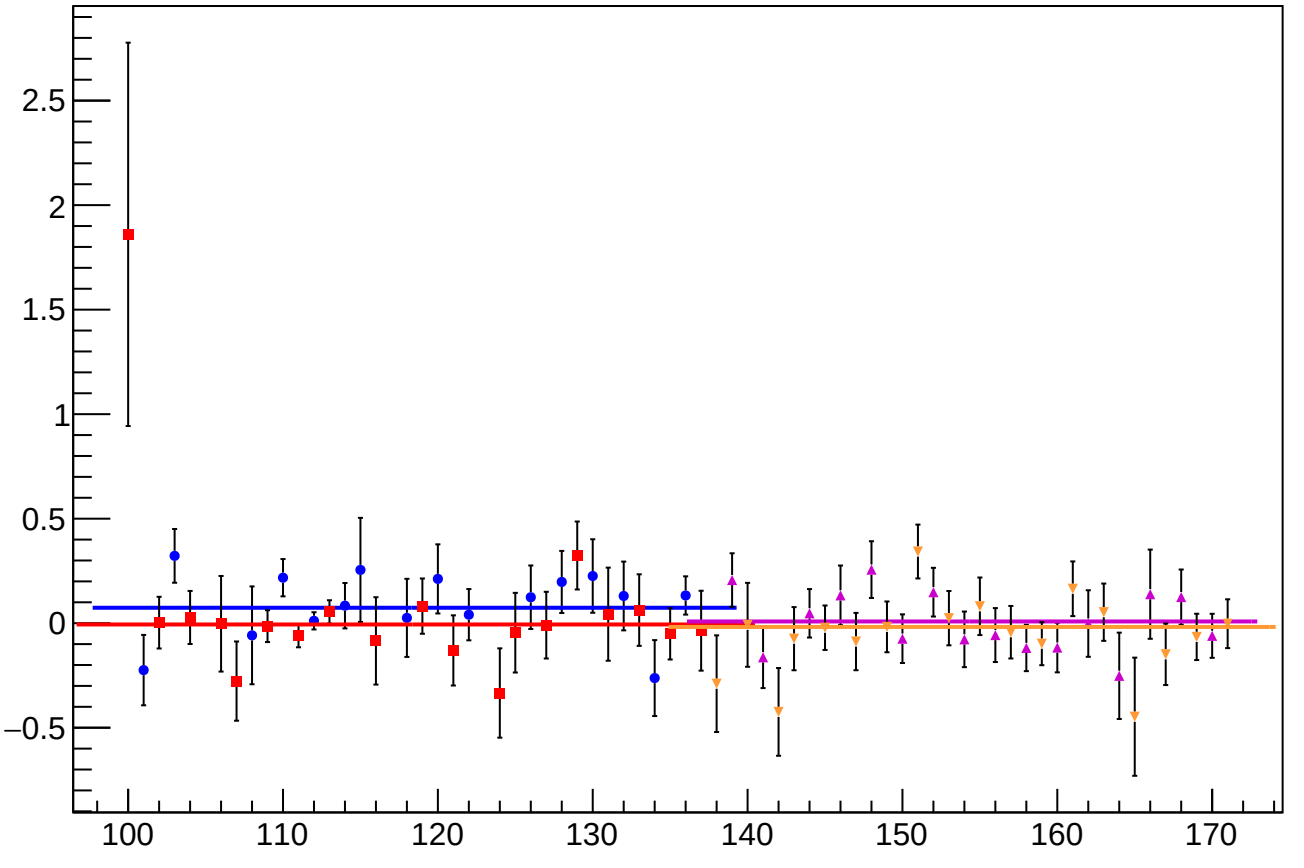
Left: 0.000+/-0.000 χ^2/NDF: 1661009.4/33

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:2916548.2/31

Out: 0.000+/-0.000 χ^2/NDF:3327626.6/36

All: 0.000+/-0.000 χ^2/NDF: 6249585.9/68



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: 0.008+/-0.033 χ^2/NDF:16.2/15

Left: -0.005+/-0.023 χ^2/NDF: 36.6/33

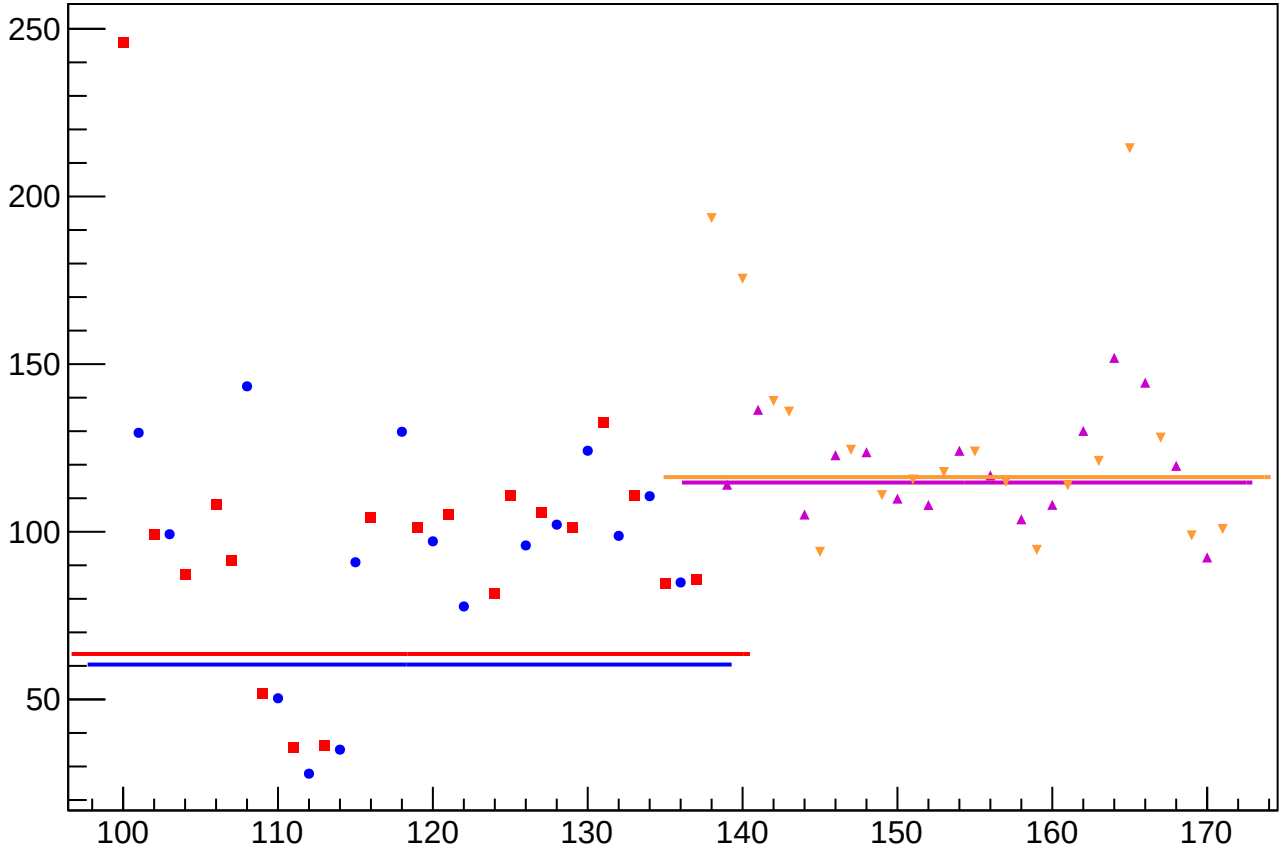
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.018+/-0.015 χ^2/NDF: 78.1/68

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 116.315+/-0.023 χ^2/NDF:989537.6/17

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.690+/-0.023 χ^2/NDF:334128.8/15

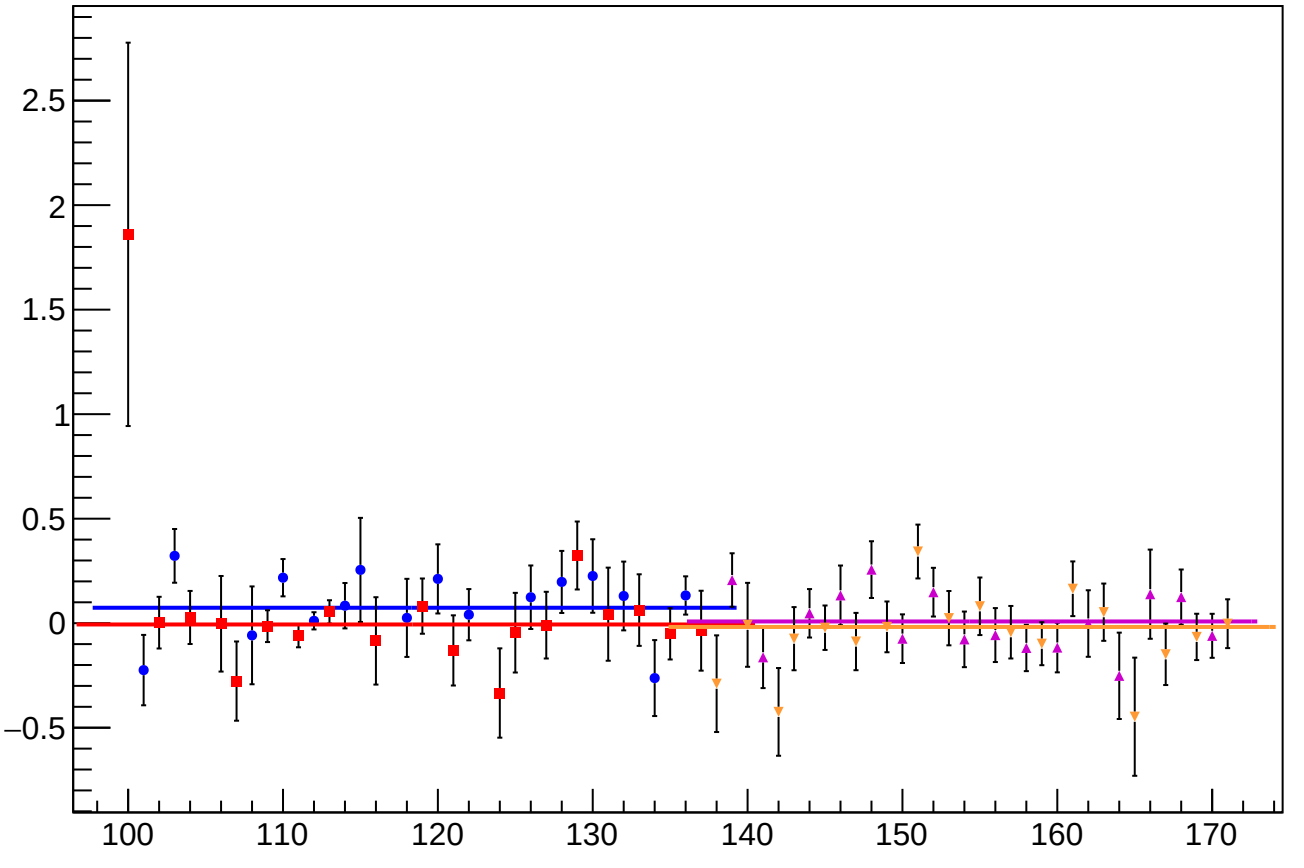
Left: 115.520+/-0.016 χ^2/NDF: 1326185.9/33

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 82.396+/-0.015 χ^2/NDF:7145323.6/31

Out: 85.314+/-0.015 χ^2/NDF:6833938.4/36

All: 83.874+/-0.010 χ^2/NDF: 13999130.2/68



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: 0.008+/-0.033 χ^2/NDF:16.2/15

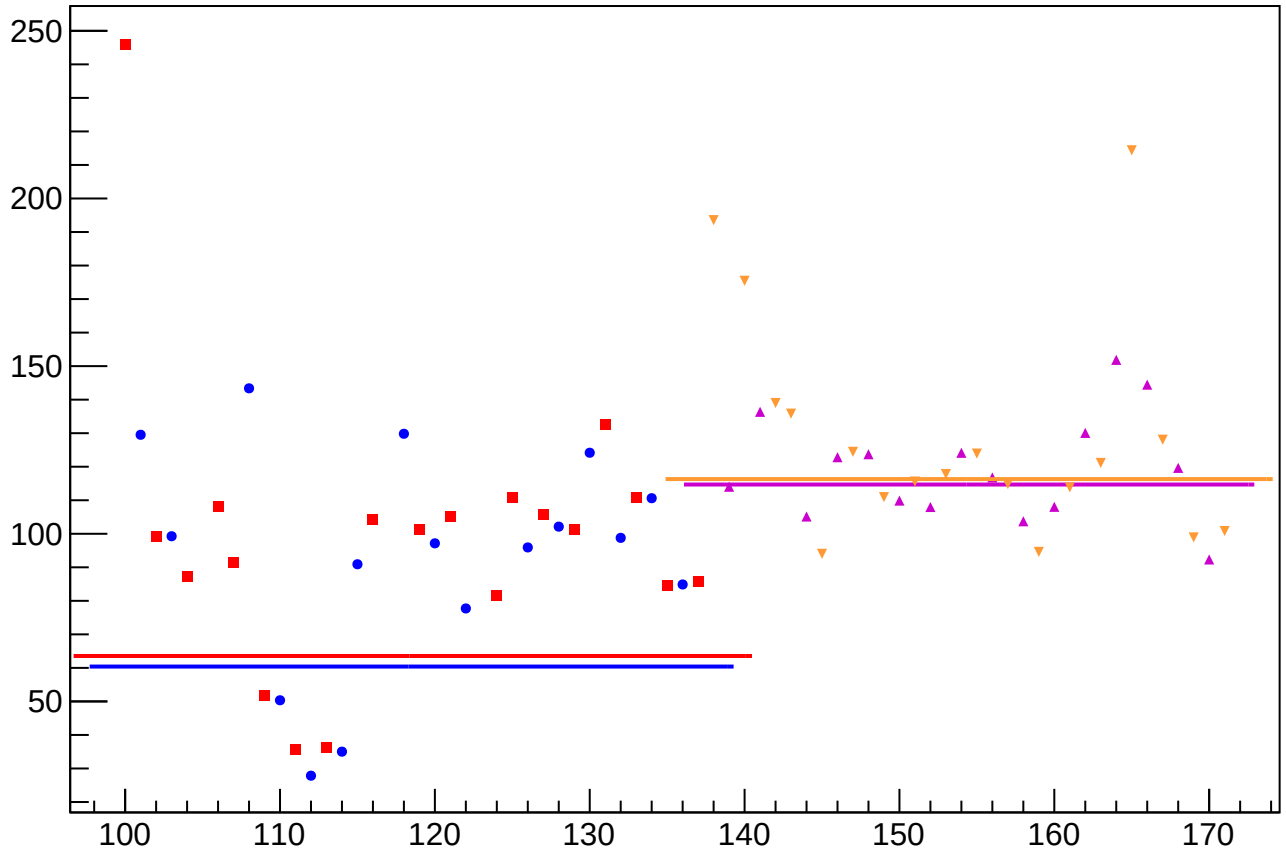
Left: -0.005+/-0.023 χ^2/NDF: 36.6/33

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.018+/-0.015 χ^2/NDF: 78.1/68



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: 114.690+/-0.023 χ^2/NDF:334128.8/15

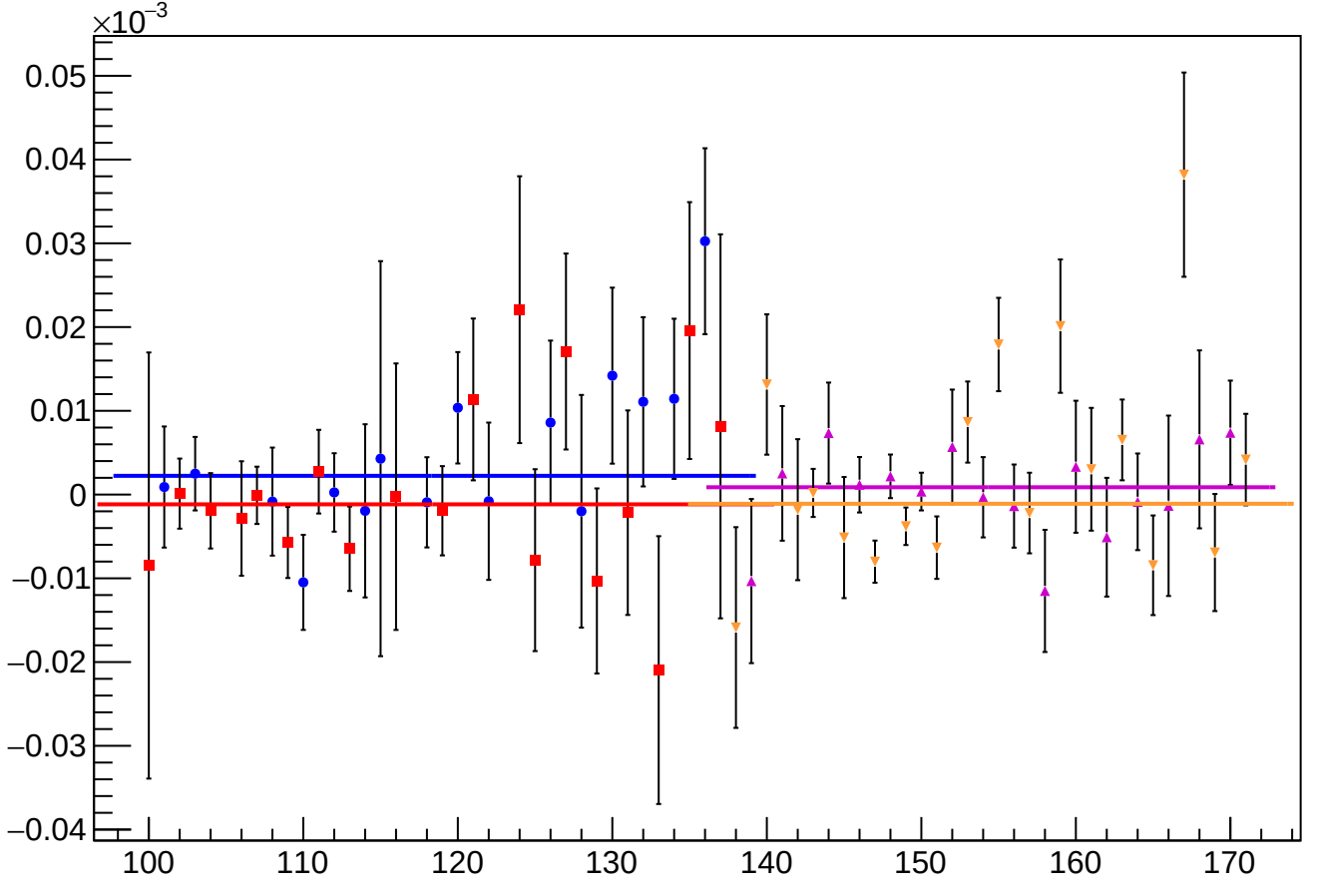
Left: 115.520+/-0.016 χ^2/NDF: 1326185.9/33

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 82.396+/-0.015 χ^2/NDF:7145323.6/31

Out: 85.314+/-0.015 χ^2/NDF:6833938.4/36

All: 83.874+/-0.010 χ^2/NDF: 13999130.2/68



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:8.8/15

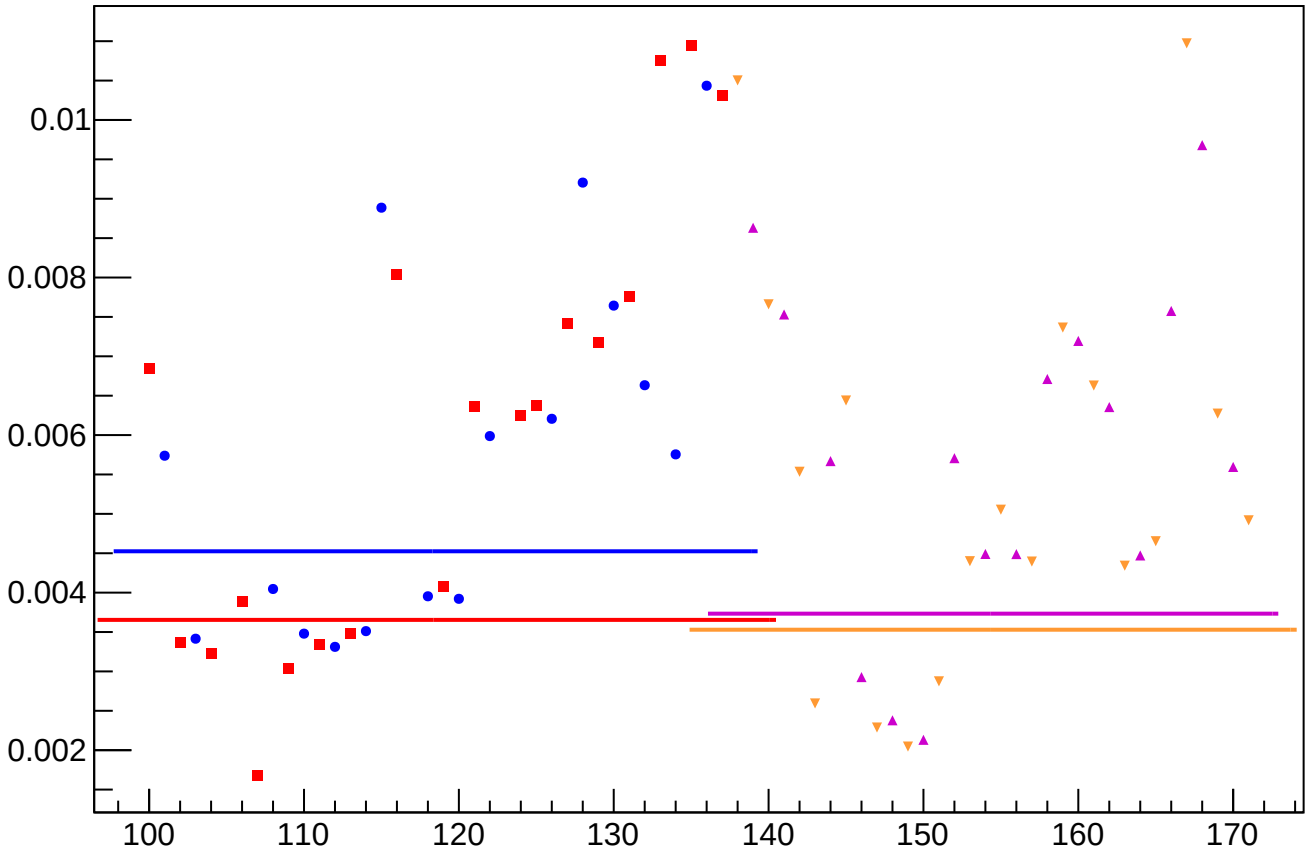
Left: -0.000+/-0.000 χ^2/NDF: 65.4/33

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:26.6/31

Out: -0.000+/-0.000 χ^2/NDF:69.2/36

All: -0.000+/-0.000 χ^2/NDF: 99.1/68



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: 0.004+/-0.000 χ^2/NDF:5171687.6/15

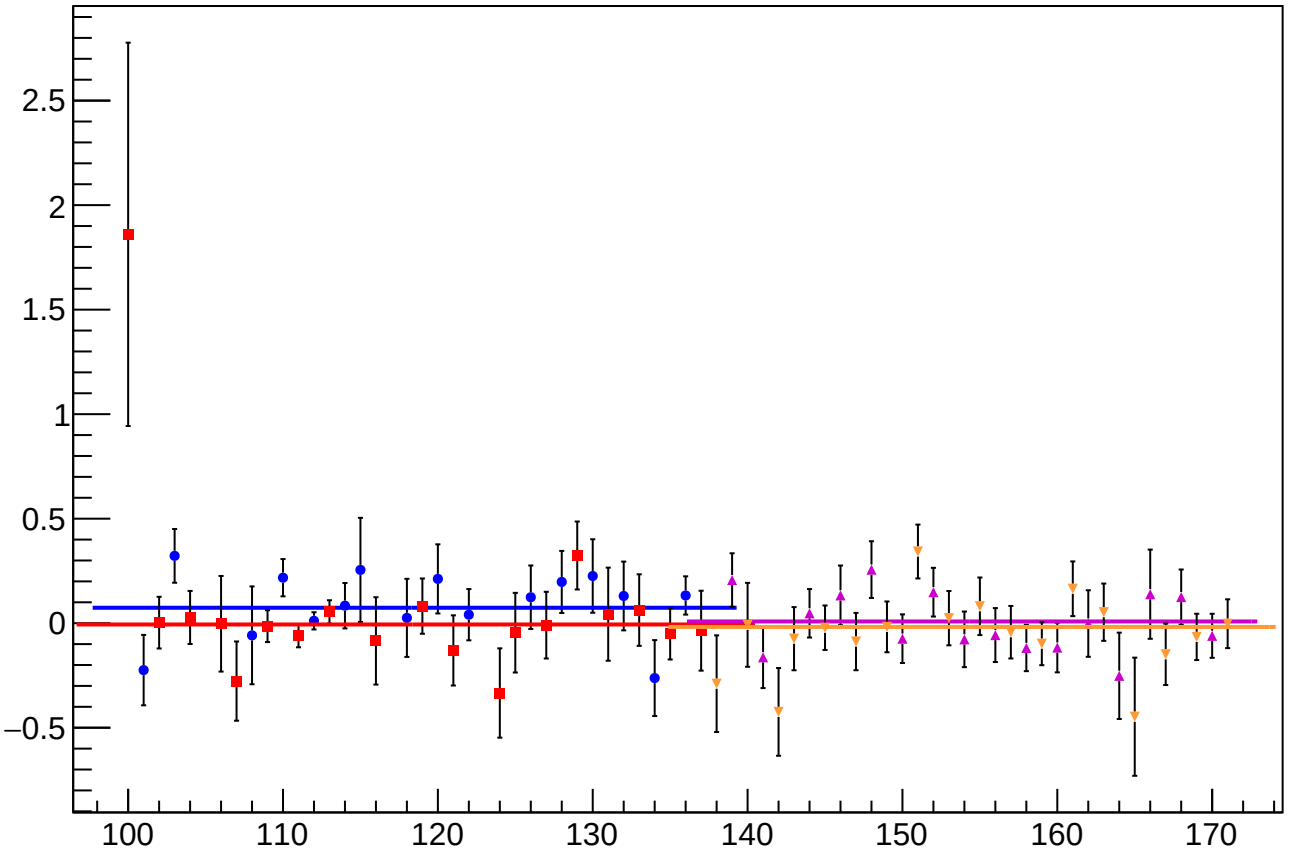
Left: 0.004+/-0.000 χ^2/NDF: 10854428.1/33

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:7161871.8/31

Out: 0.004+/-0.000 χ^2/NDF:8592099.0/36

All: 0.004+/-0.000 χ^2/NDF: 15936999.4/68



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: 0.008+/-0.033 χ^2/NDF:16.2/15

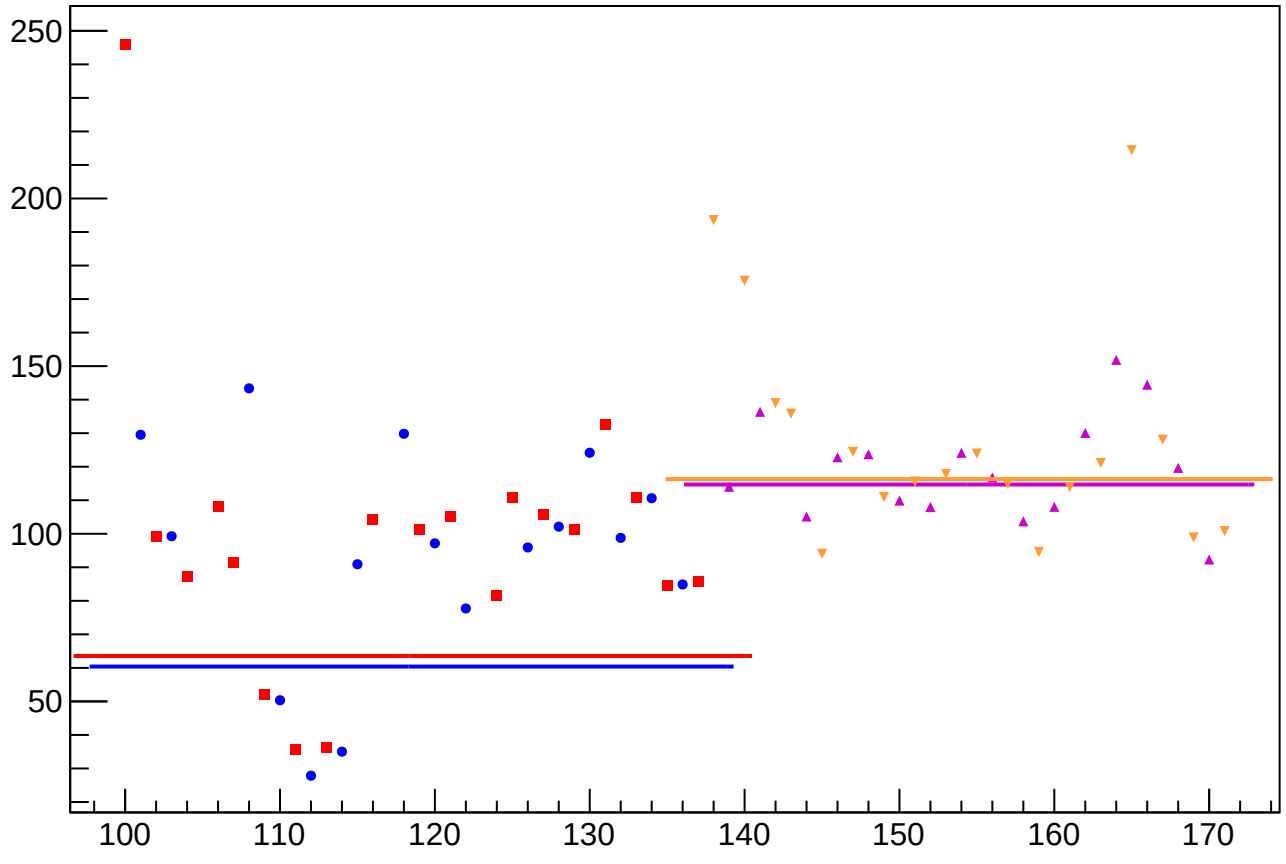
Left: -0.005+/-0.023 χ^2/NDF: 36.6/33

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.018+/-0.015 χ^2/NDF: 78.1/68



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: 114.690+/-0.023 χ^2/NDF:334133.5/15

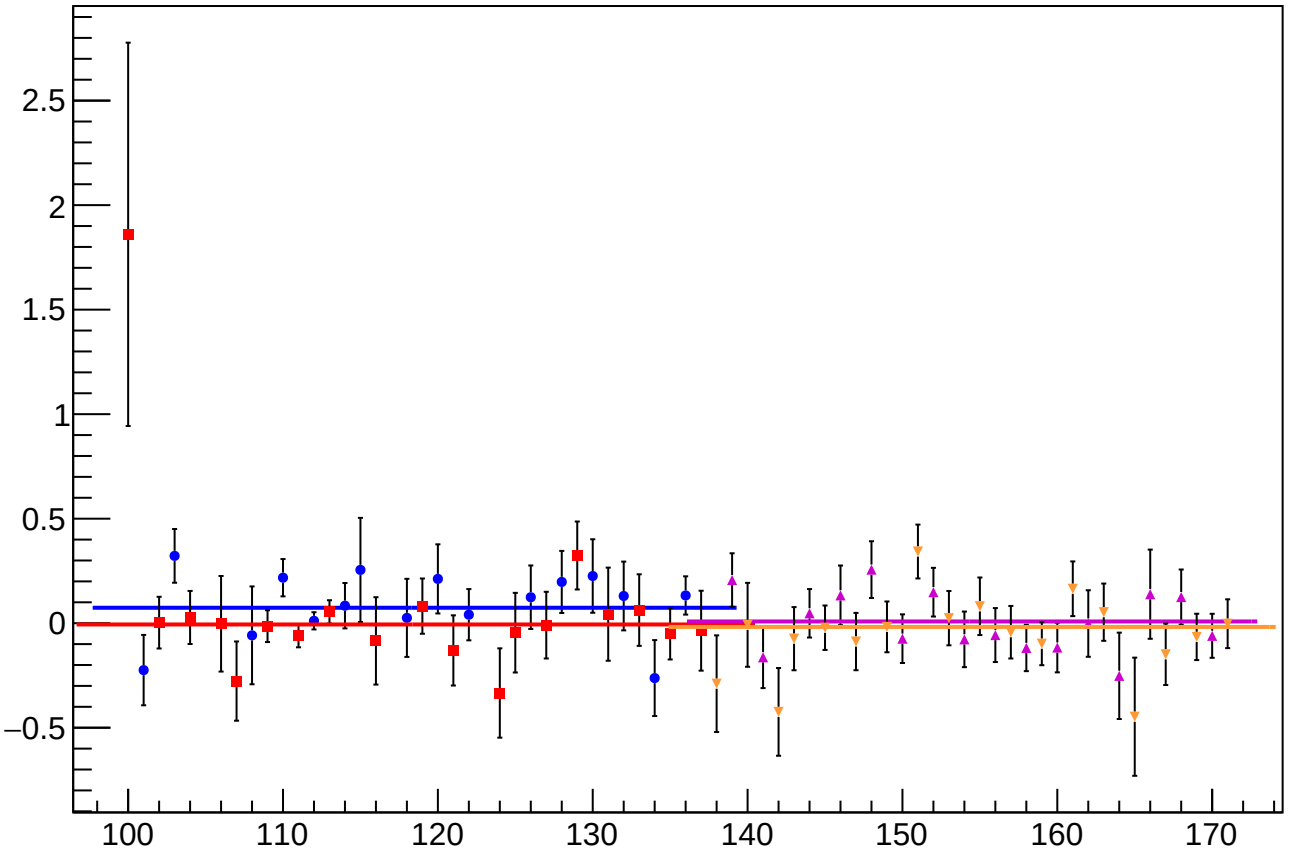
Left: 115.521+/-0.016 χ^2/NDF: 1326167.1/33

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 82.395+/-0.015 χ^2/NDF:7145974.5/31

Out: 85.313+/-0.015 χ^2/NDF:6834542.9/36

All: 83.873+/-0.010 χ^2/NDF: 14000390.9/68



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: 0.008+/-0.033 χ^2/NDF:16.2/15

Left: -0.005+/-0.023 χ^2/NDF: 36.6/33

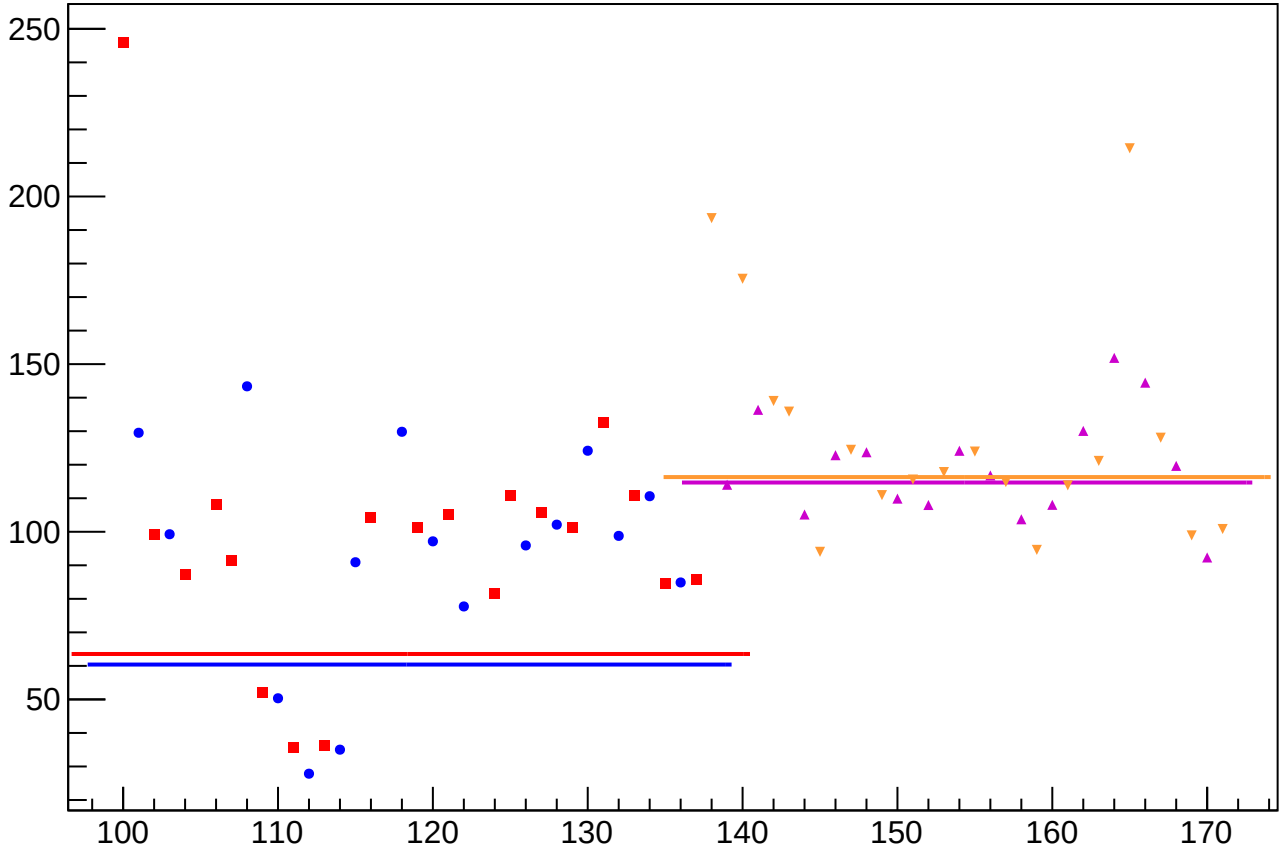
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.021 χ^2/NDF:37.5/31

Out: -0.011+/-0.021 χ^2/NDF:36.7/36

All: 0.018+/-0.015 χ^2/NDF: 78.1/68

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: 114.690+/-0.023 χ^2/NDF:334133.5/15

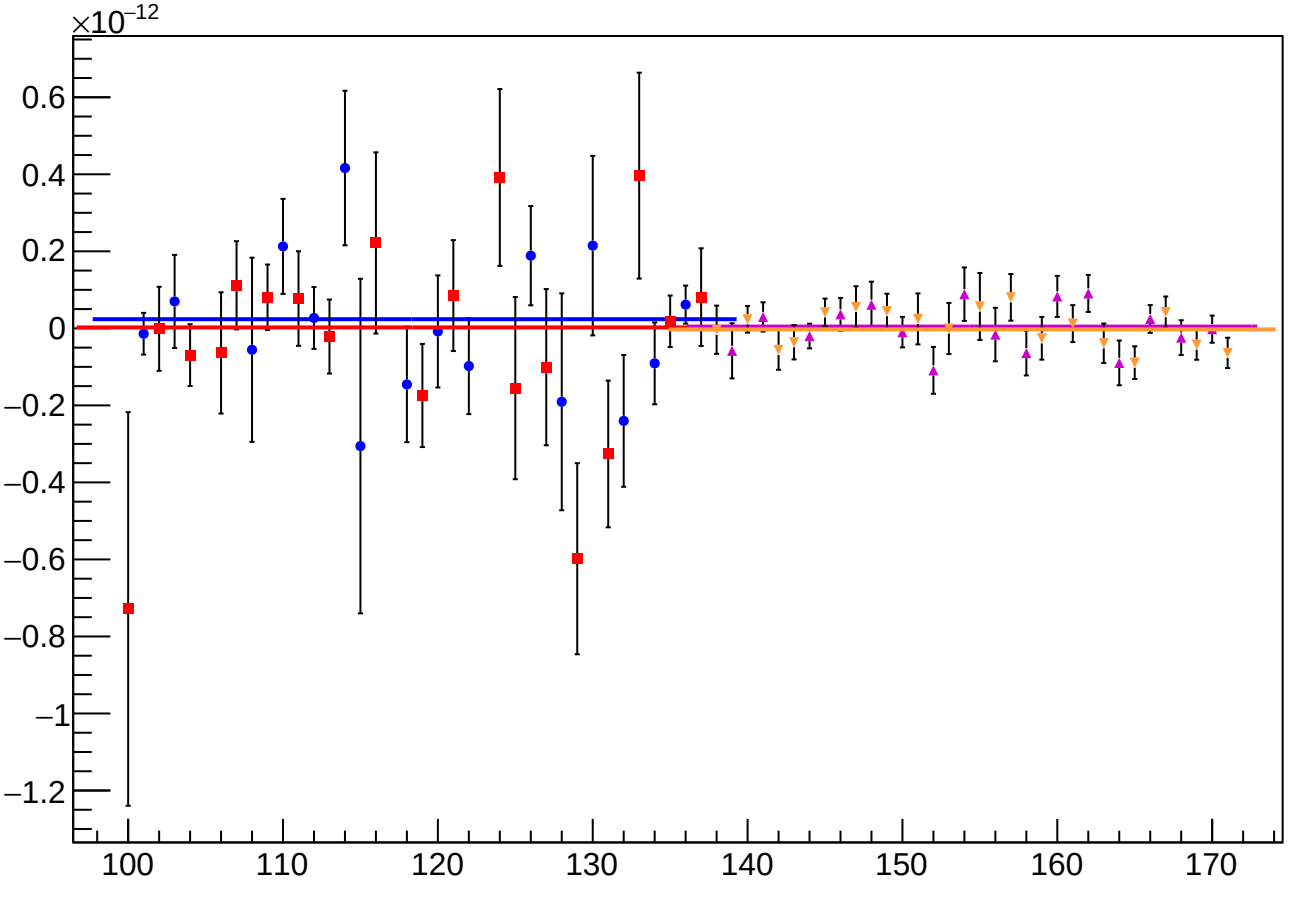
Left: 115.521+/-0.016 χ^2/NDF: 1326167.1/33

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 82.395+/-0.015 χ^2/NDF:7145974.5/31

Out: 85.313+/-0.015 χ^2/NDF:6834542.9/36

All: 83.873+/-0.010 χ^2/NDF: 14000390.9/68



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:18.6/15

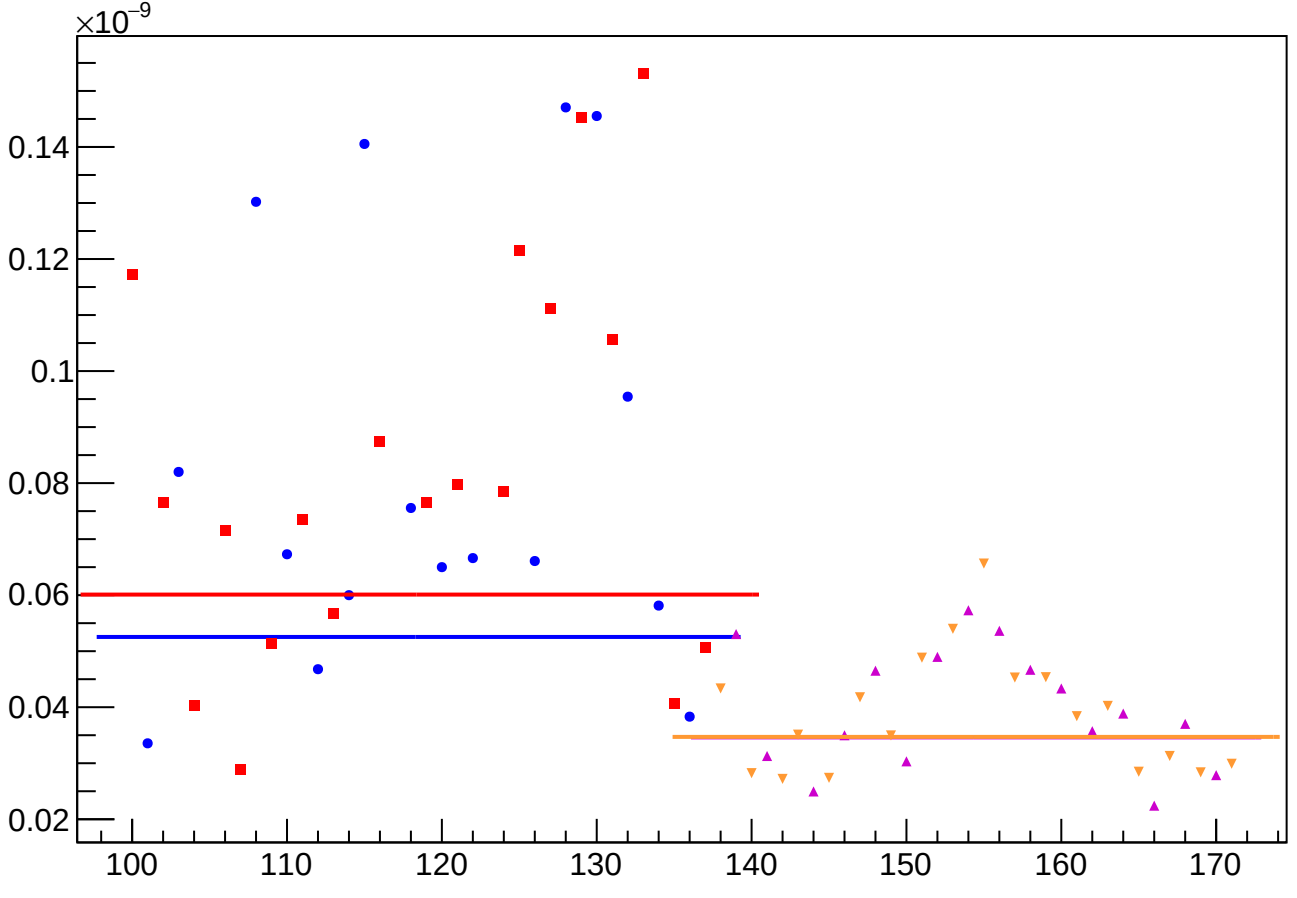
Left: 0.000+/-0.000 χ^2/NDF: 36.9/33

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:35.8/31

Out: -0.000+/-0.000 χ^2/NDF:41.3/36

All: 0.000+/-0.000 χ^2/NDF: 77.6/68



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:1366857.5/15

Left: 0.000+/-0.000 χ^2/NDF: 2458488.3/33

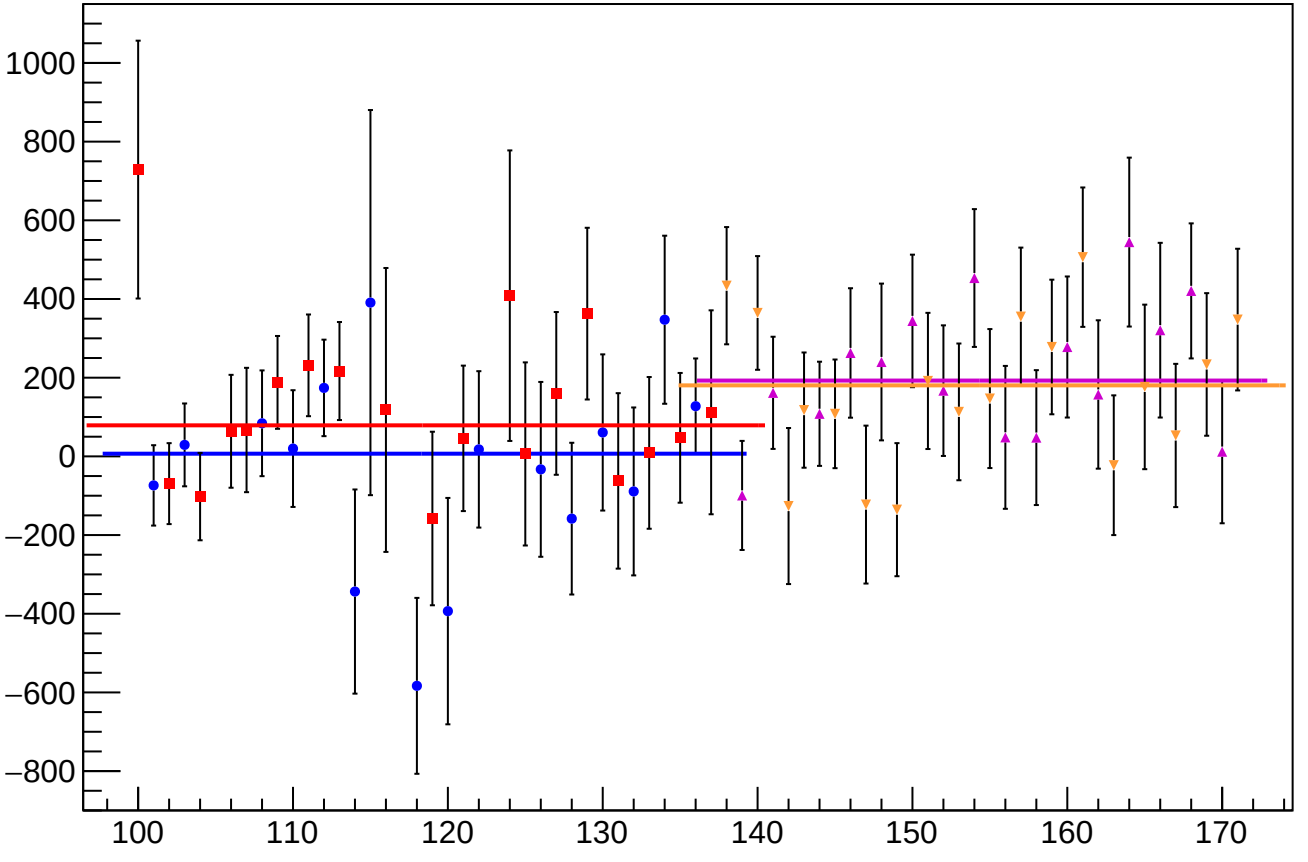
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:3800061.1/31

Out: 0.000+/-0.000 χ^2/NDF:3978370.7/36

All: 0.000+/-0.000 χ^2/NDF: 7780321.1/68

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: 192.709+/-42.478 χ^2/NDF:15.6/15

Left: 186.249+/-29.179 χ^2/NDF: 36.4/33

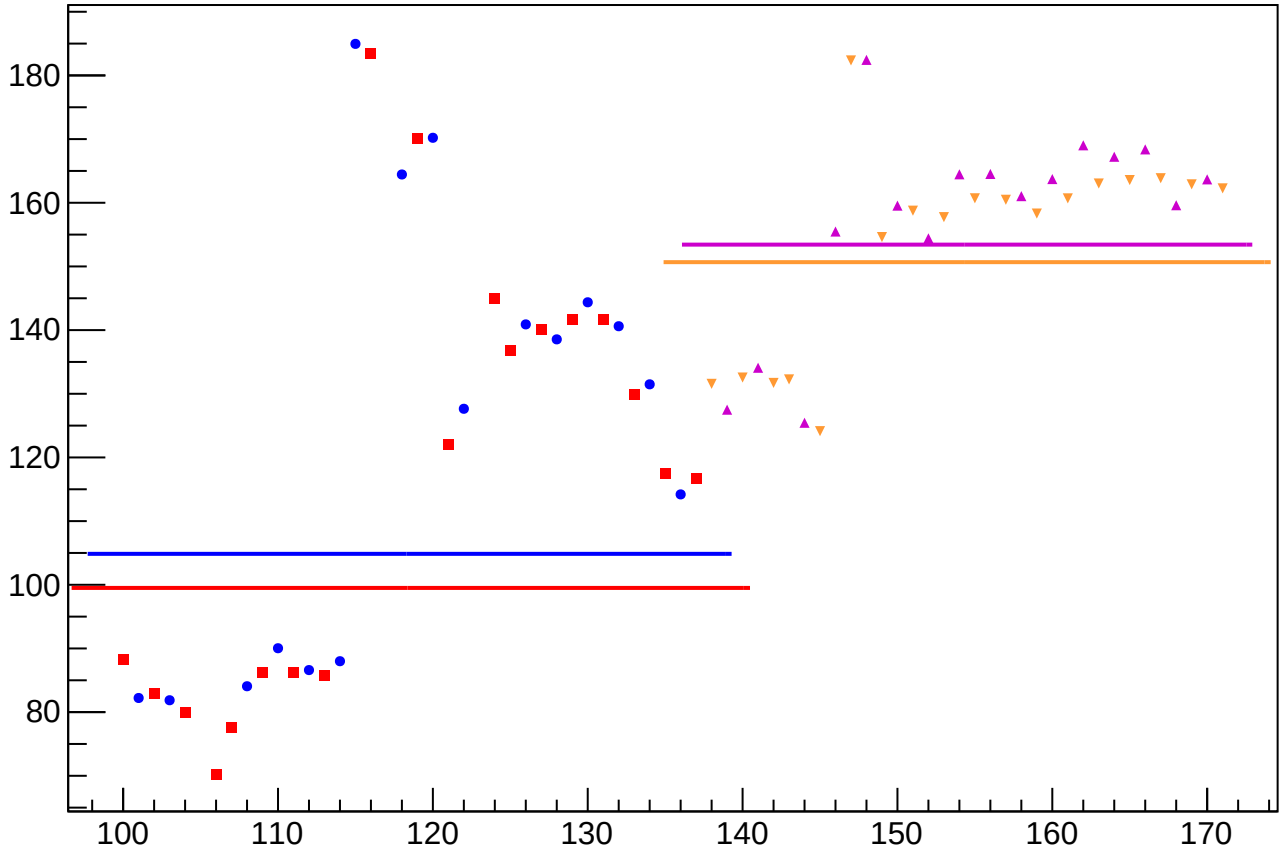
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 94.994+/-29.256 χ^2/NDF:44.4/31

Out: 126.761+/-27.563 χ^2/NDF:40.8/36

All: 111.823+/-20.062 χ^2/NDF: 85.9/68

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: 153.426+/-0.030 χ^2/NDF:307409.7/15

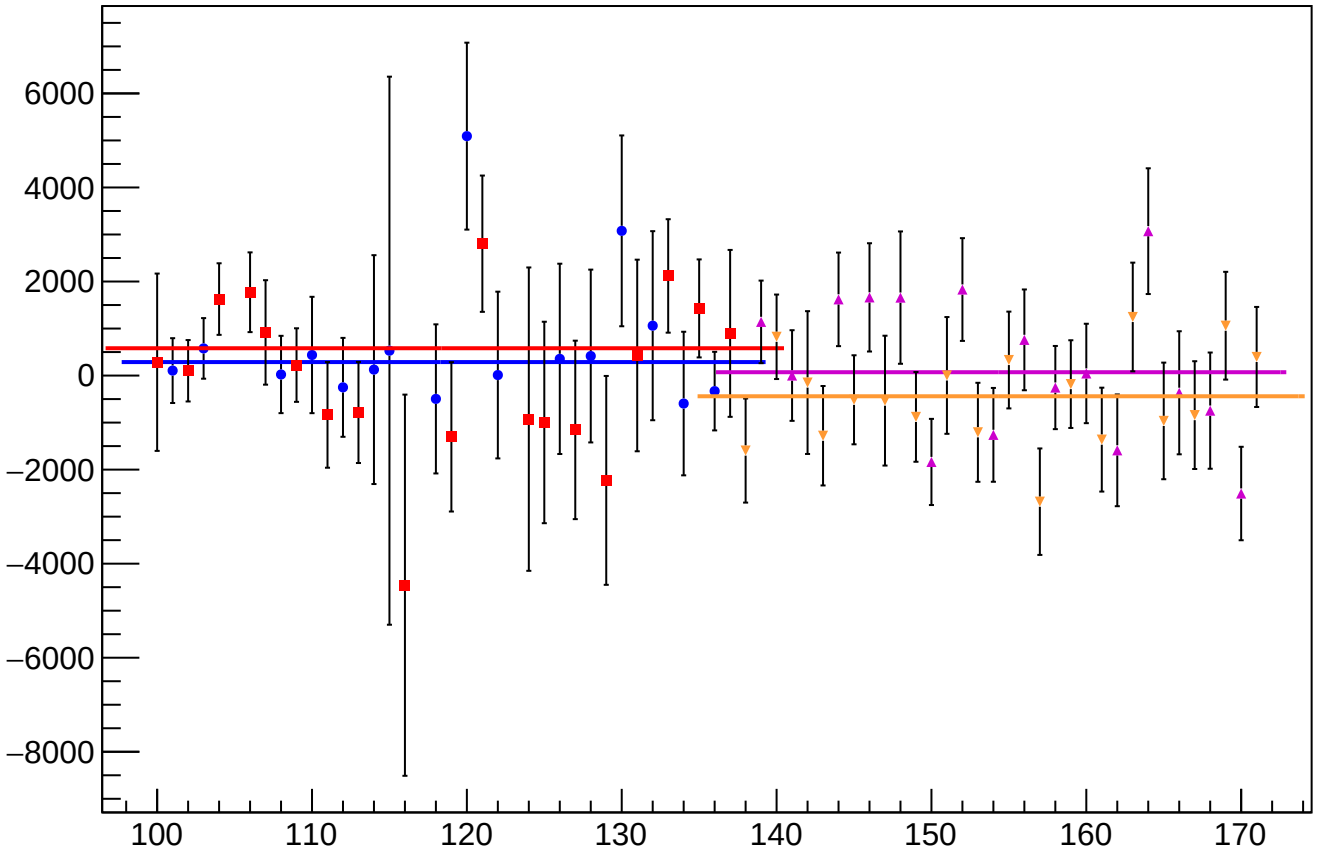
Left: 151.972+/-0.021 χ^2/NDF: 626852.9/33

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 127.898+/-0.021 χ^2/NDF:2612870.4/31

Out: 123.620+/-0.019 χ^2/NDF:3071230.4/36

All: 125.631+/-0.014 χ^2/NDF: 5706758.3/68



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: 71.319+/-264.987 χ^2/NDF:30.6/15

Left: -192.527+/-184.381 χ^2/NDF: 47.2/33

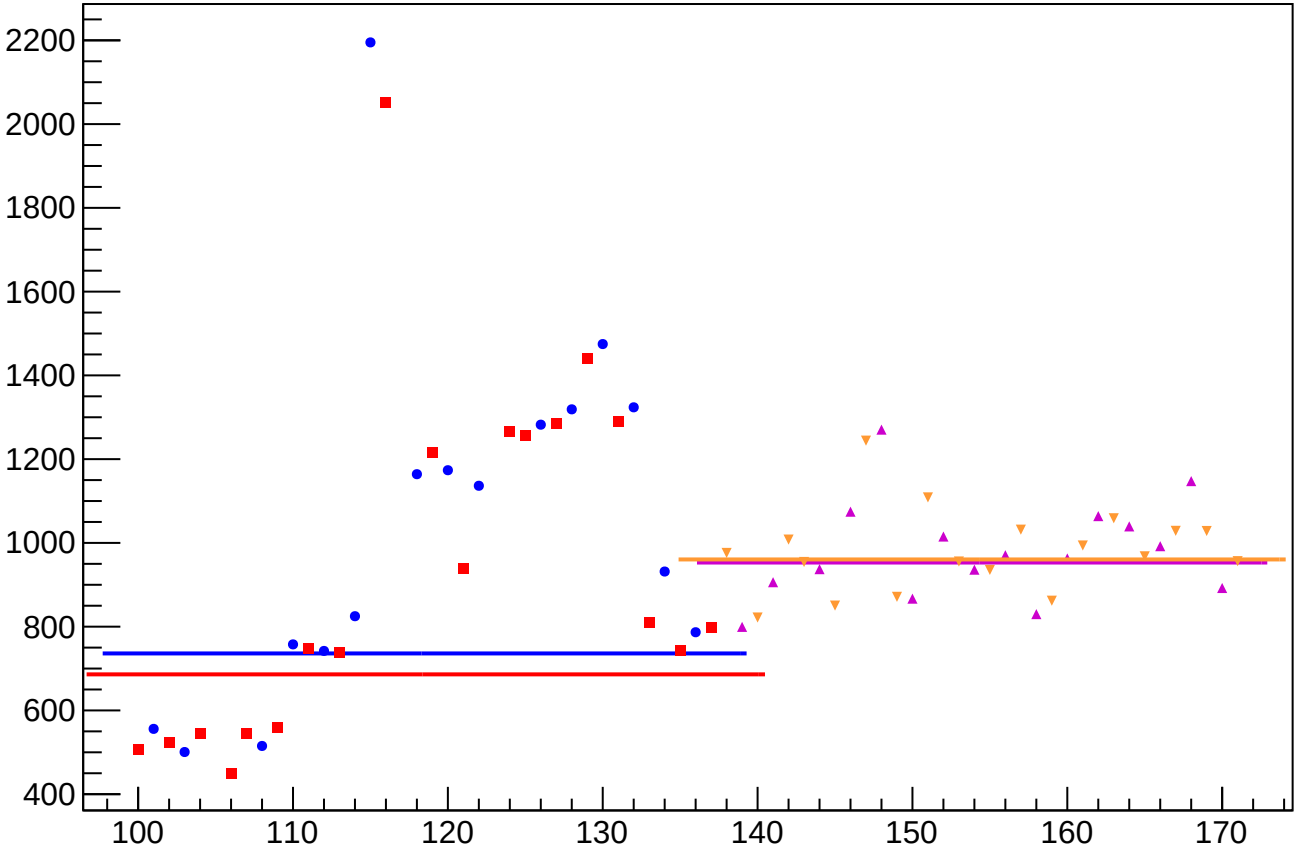
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 168.148+/-196.676 χ^2/NDF:40.6/31

Out: 45.211+/-185.971 χ^2/NDF:40.9/36

All: 103.243+/-135.128 χ^2/NDF: 81.7/68

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: 953.138+/-0.187 χ^2/NDF:339199.2/15

Left: 956.936+/-0.130 χ^2/NDF: 609491.6/33

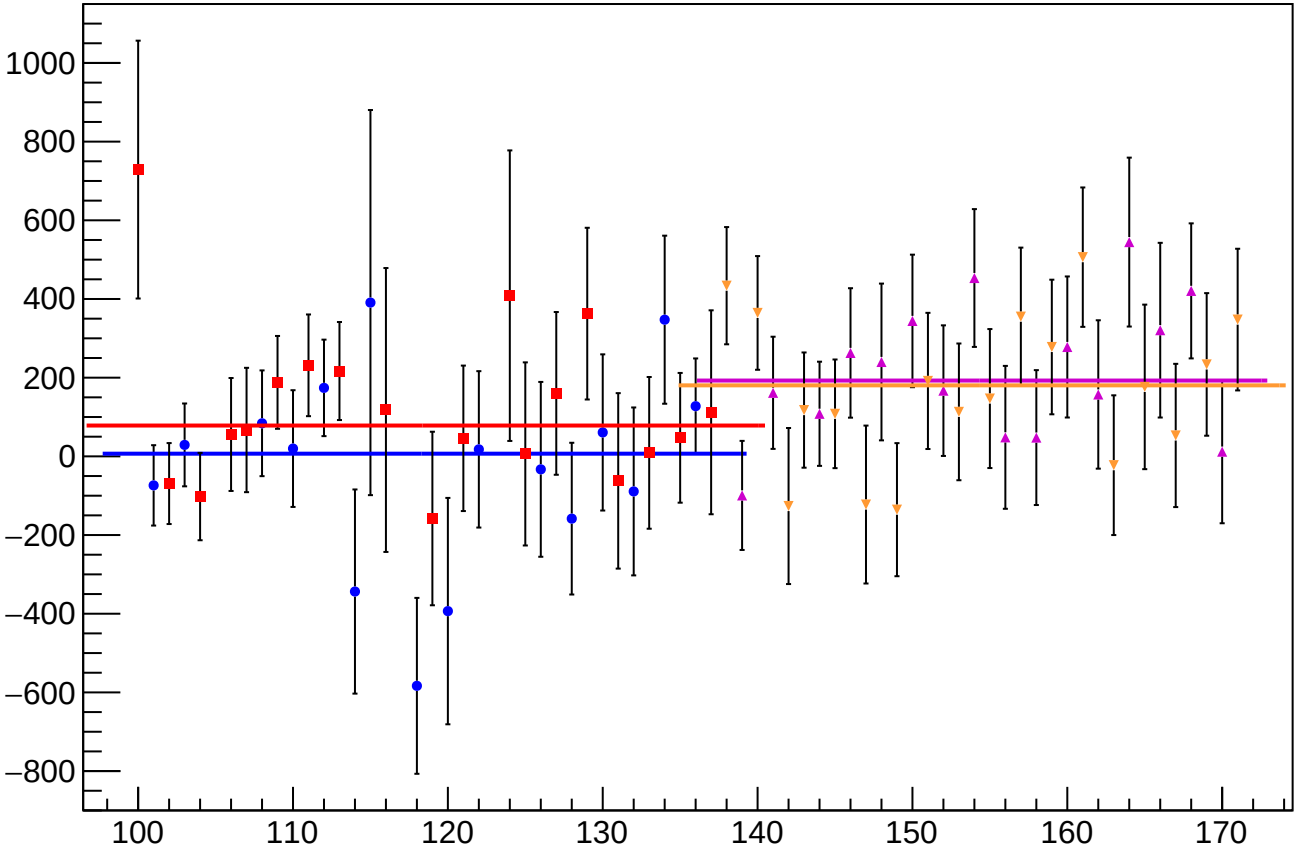
Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 855.654+/-0.139 χ^2/NDF:2786367.2/31

Out: 830.106+/-0.132 χ^2/NDF:3174481.7/36

All: 842.166+/-0.096 χ^2/NDF: 5978666.1/68

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: 192.709+/-42.478 χ^2/NDF:15.6/15

Left: 186.249+/-29.179 χ^2/NDF: 36.4/33

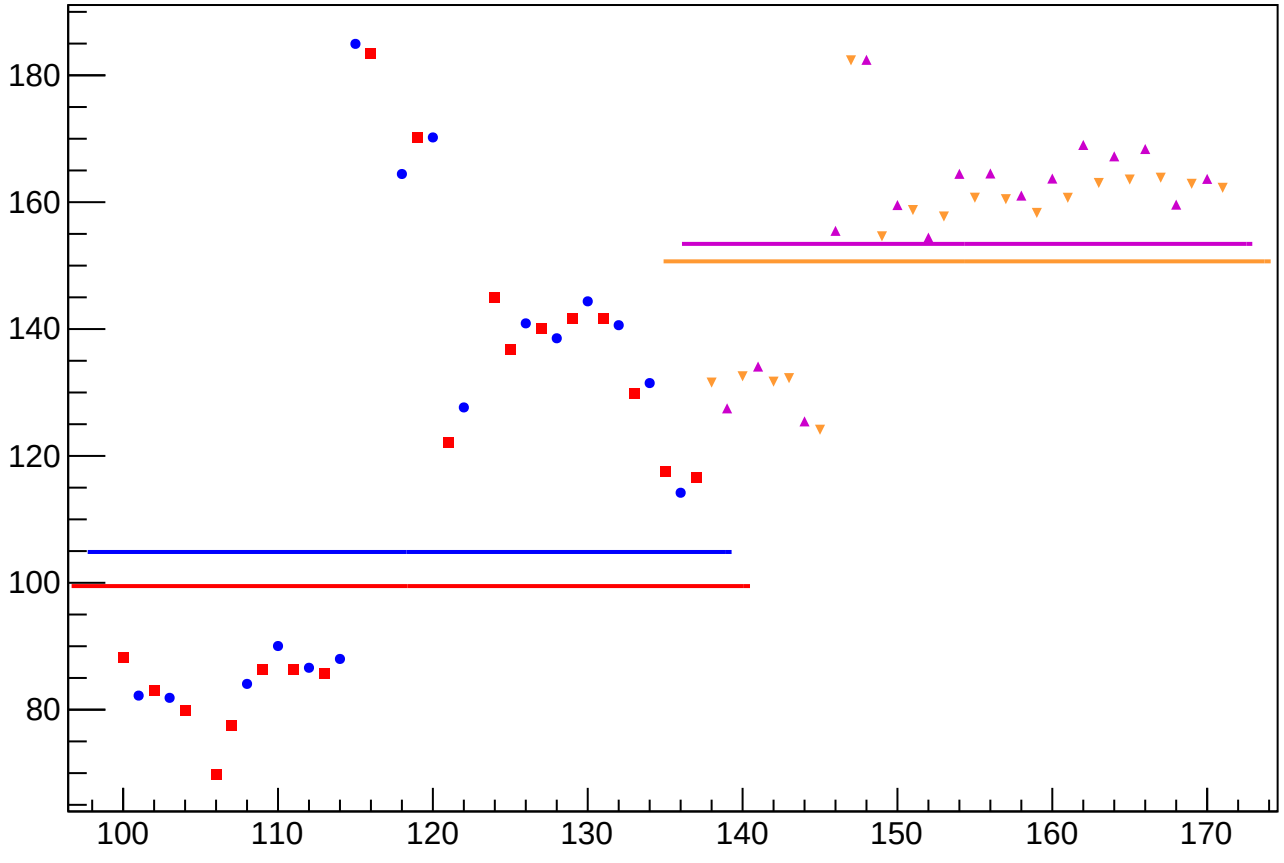
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 94.989+/-29.256 χ^2/NDF:44.4/31

Out: 126.481+/-27.564 χ^2/NDF:40.9/36

All: 111.672+/-20.062 χ^2/NDF: 85.9/68

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: 153.426+/-0.030 χ^2/NDF:307409.7/15

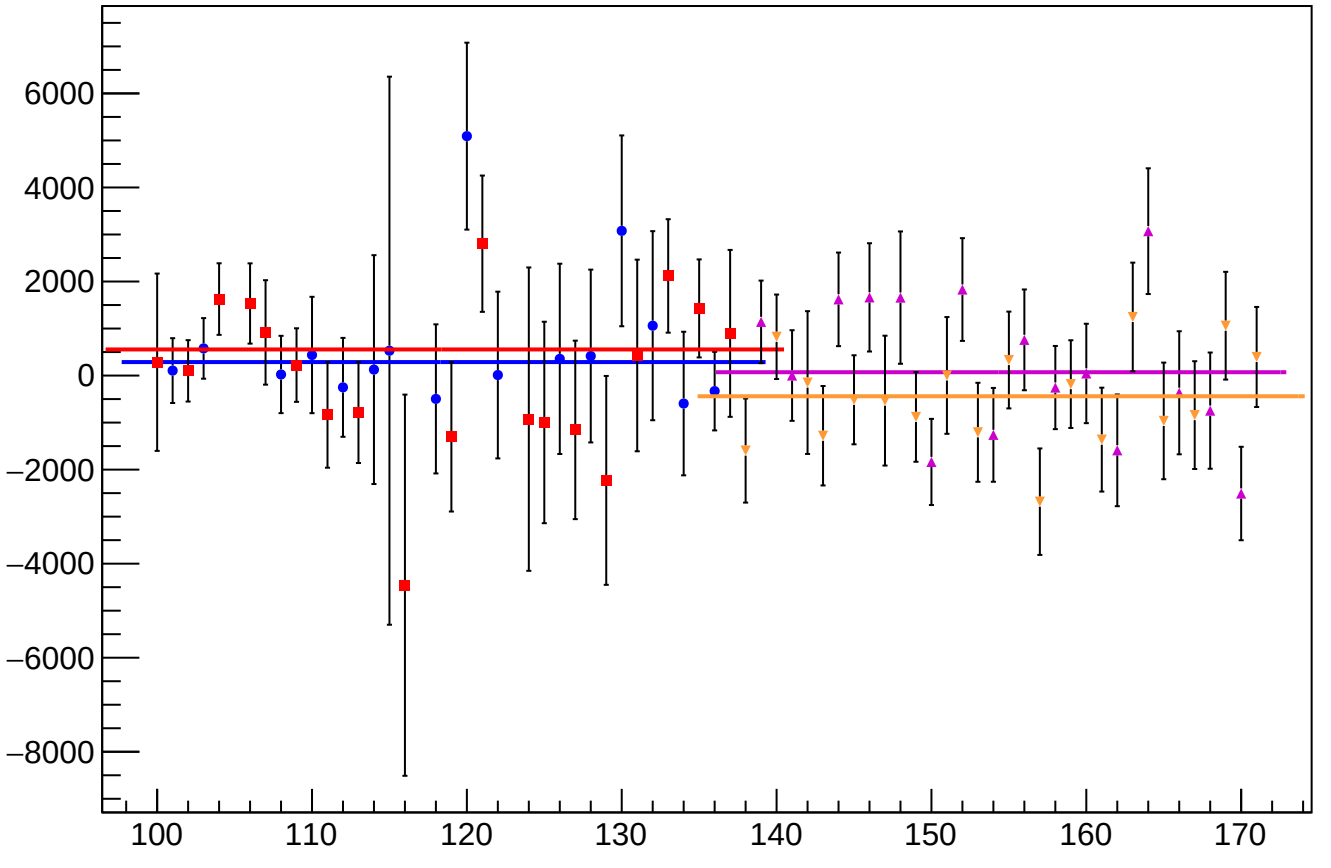
Left: 151.972+/-0.021 χ^2/NDF: 626852.9/33

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 127.898+/-0.021 χ^2/NDF:2612868.7/31

Out: 123.609+/-0.019 χ^2/NDF:3074906.4/36

All: 125.626+/-0.014 χ^2/NDF: 5710546.8/68



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: 71.319+/-264.987 χ^2/NDF:30.6/15

Left: -192.526+/-184.381 χ^2/NDF: 47.2/33

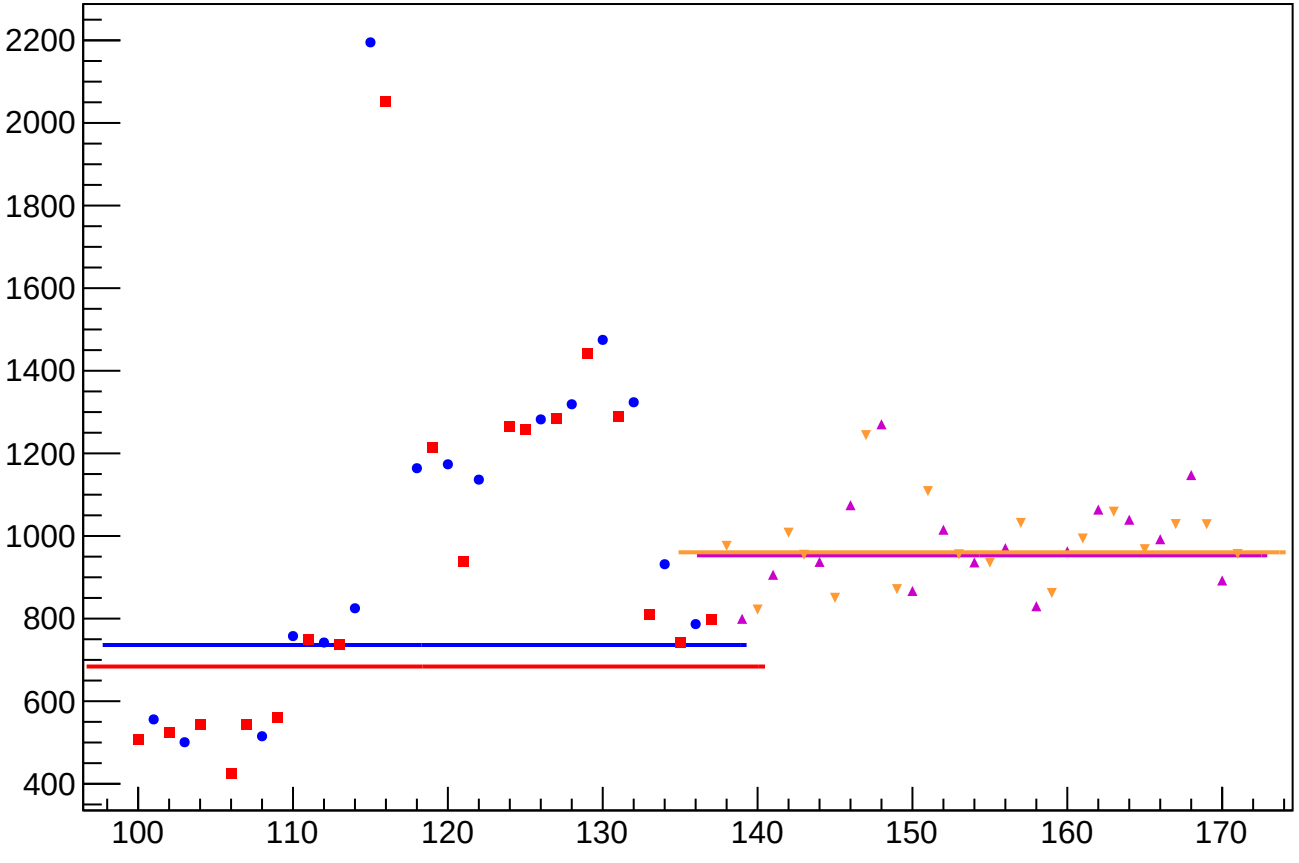
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 168.149+/-196.676 χ^2/NDF:40.6/31

Out: 32.633+/-186.030 χ^2/NDF:39.8/36

All: 96.624+/-135.150 χ^2/NDF: 80.7/68

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: 953.138+/-0.187 χ^2/NDF:339201.7/15

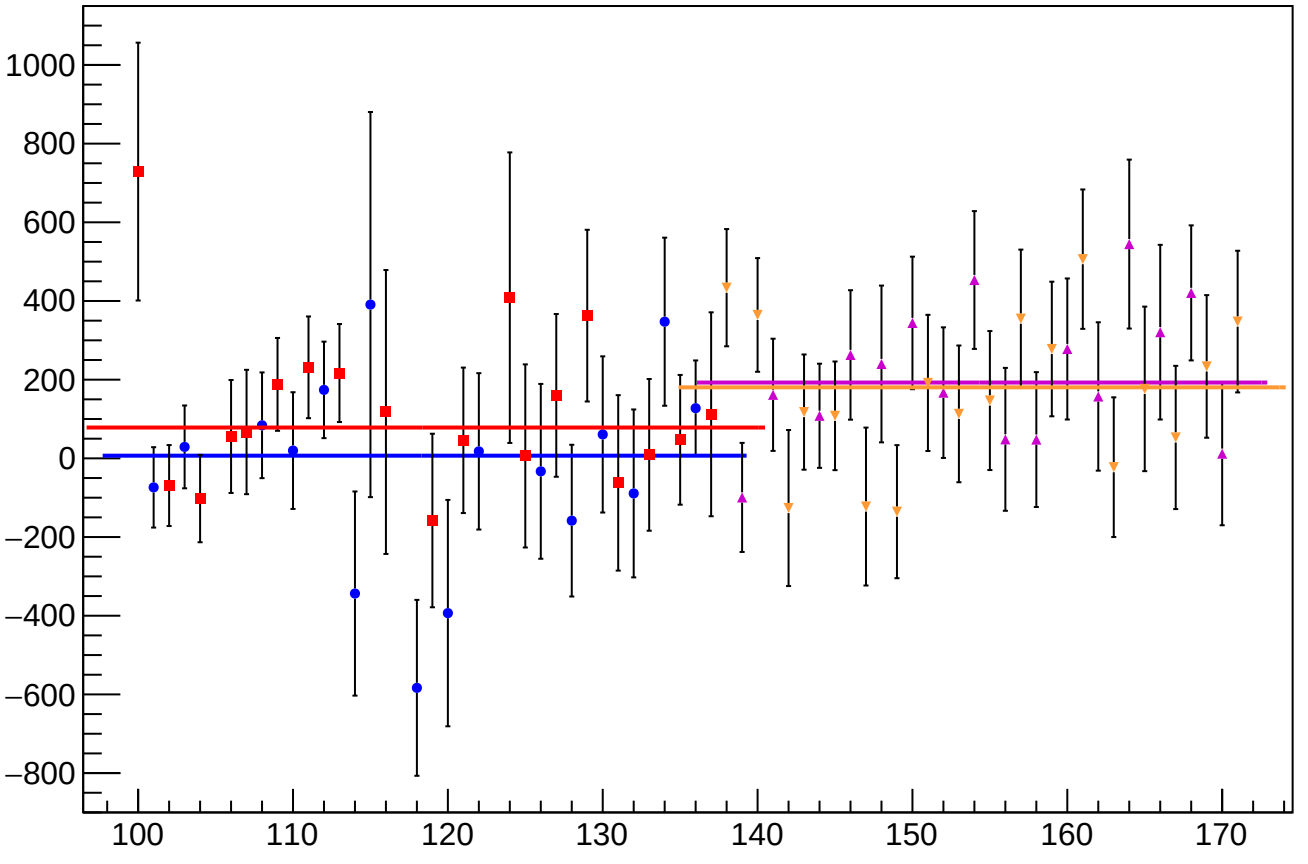
Left: 956.936+/-0.130 χ^2/NDF: 609493.7/33

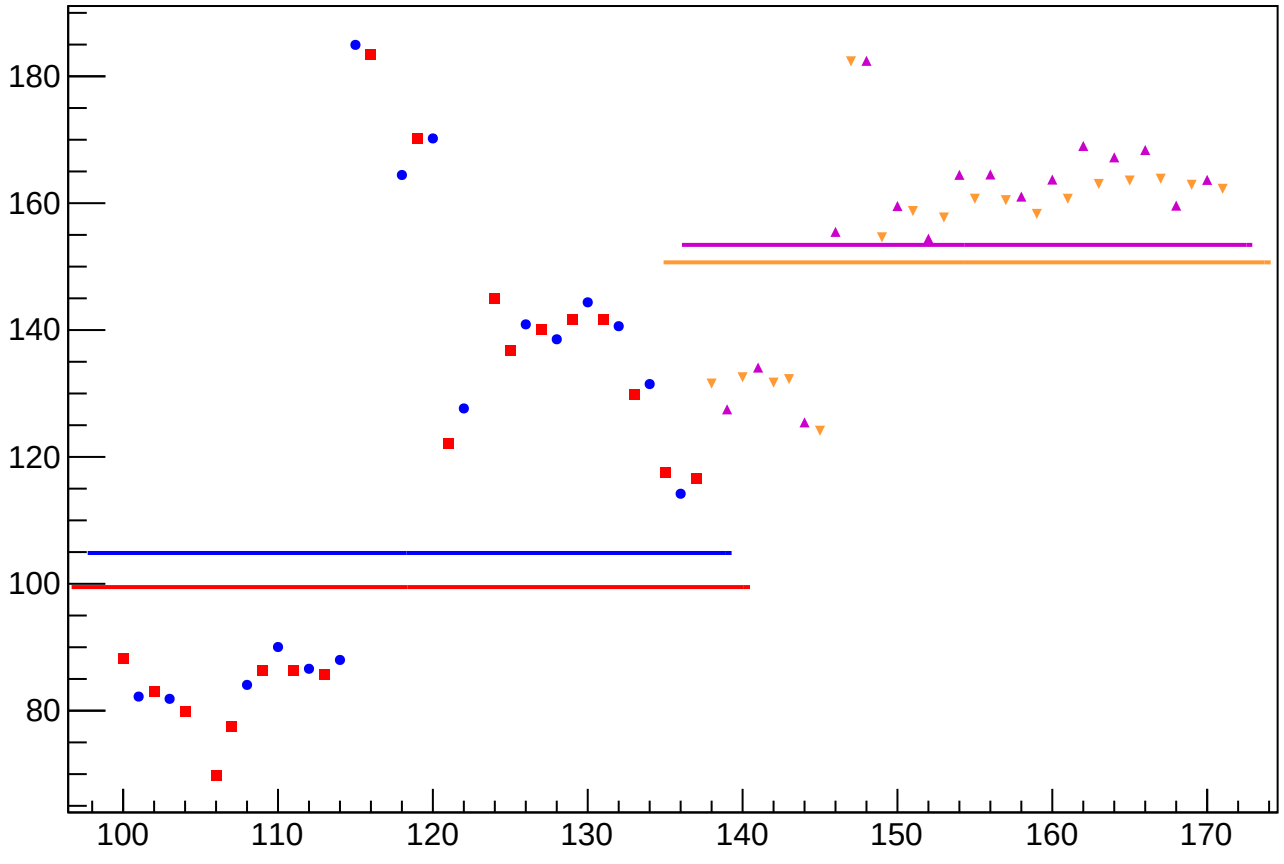
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 855.654+/-0.139 χ^2/NDF:2786376.3/31

Out: 829.186+/-0.132 χ^2/NDF:3221849.6/36

All: 841.684+/-0.096 χ^2/NDF: 6027343.1/68


eigen_cor_asym_sam5_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: 6.799+/-40.353 χ²/NDF: 18.8/15
Left Out: 180.476+/-40.151 χ²/NDF:20.8/17
Right Out: 78.347+/-37.909 χ²/NDF: 16.7/18
Left In: 192.709+/-42.478 χ²/NDF:15.6/15
Left: 186.249+/-29.179 χ²/NDF: 36.4/33
Right: 44.806+/-27.629 χ²/NDF: 37.1/34
In: 94.989+/-29.256 χ²/NDF:44.4/31
Out: 126.481+/-27.564 χ²/NDF:40.9/36
All: 111.672+/-20.062 χ²/NDF: 85.9/68



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: 153.426+/-0.030 χ^2/NDF:307409.7/15

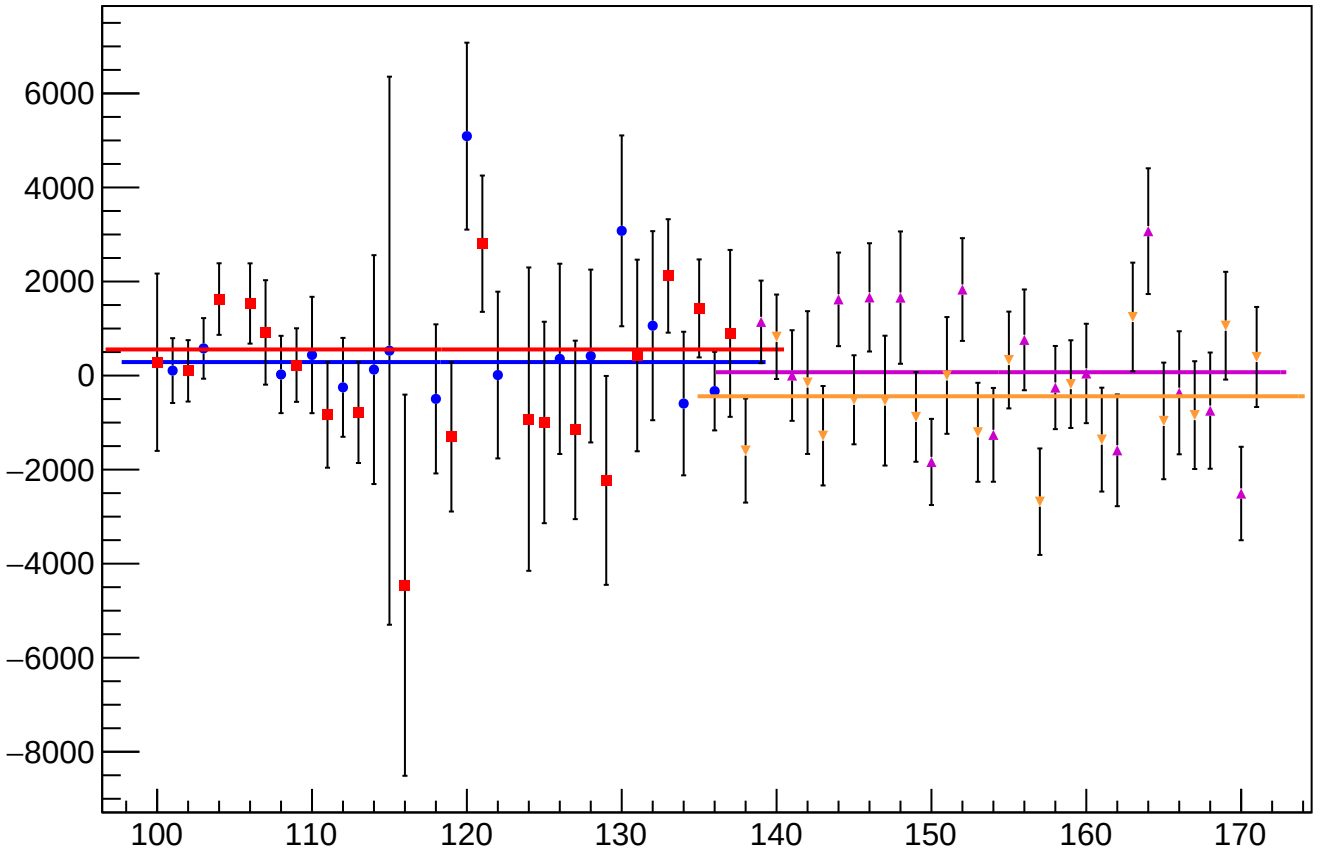
Left: 151.972+/-0.021 χ^2/NDF: 626852.9/33

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 127.898+/-0.021 χ^2/NDF:2612868.7/31

Out: 123.609+/-0.019 χ^2/NDF:3074906.4/36

All: 125.626+/-0.014 χ^2/NDF: 5710546.8/68



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: 71.319+/-264.987 χ^2/NDF:30.6/15

Left: -192.526+/-184.381 χ^2/NDF: 47.2/33

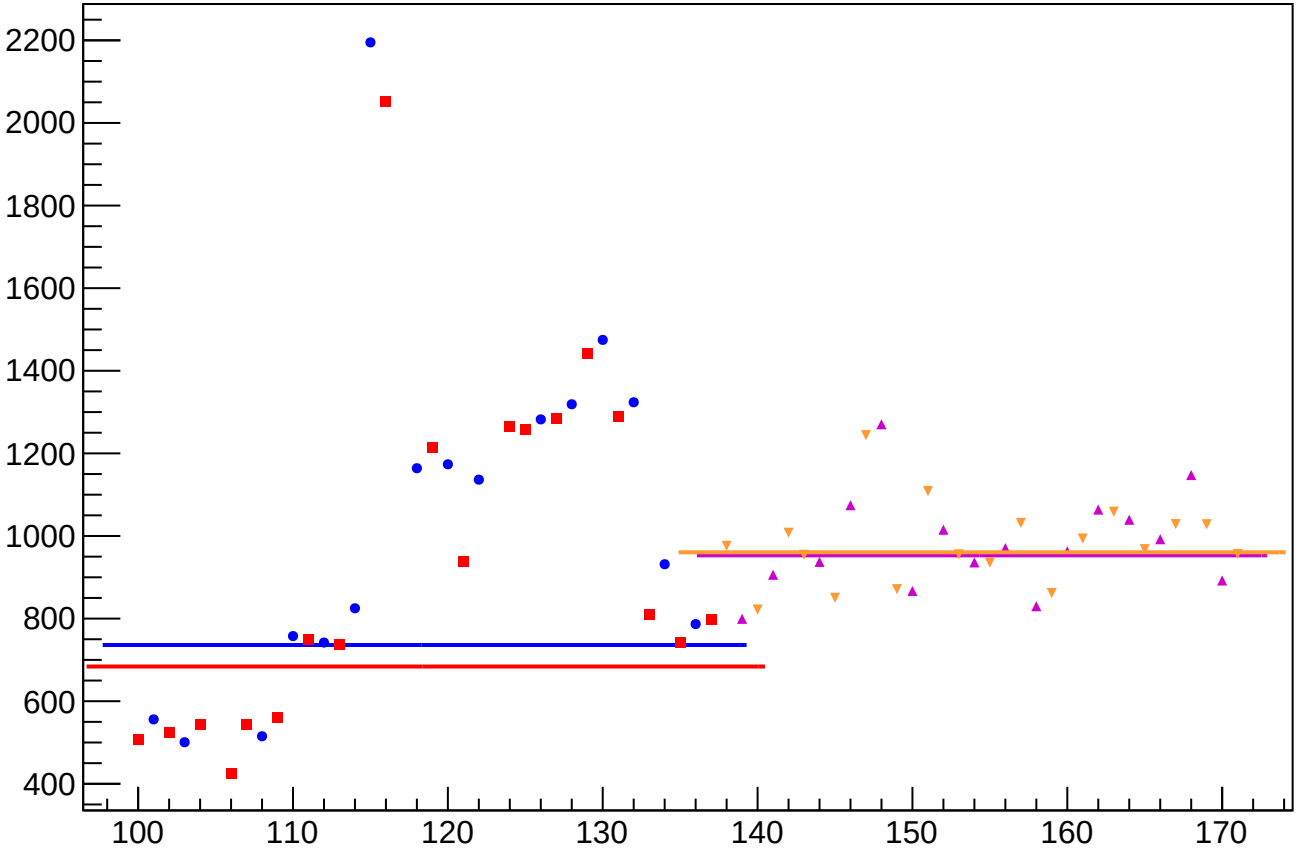
Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 168.149+/-196.676 χ^2/NDF:40.6/31

Out: 32.633+/-186.030 χ^2/NDF:39.8/36

All: 96.624+/-135.150 χ^2/NDF: 80.7/68

asym_sam5_eigen_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: 953.138+/-0.187 χ^2/NDF:339201.7/15

Left: 956.936+/-0.130 χ^2/NDF: 609493.7/33

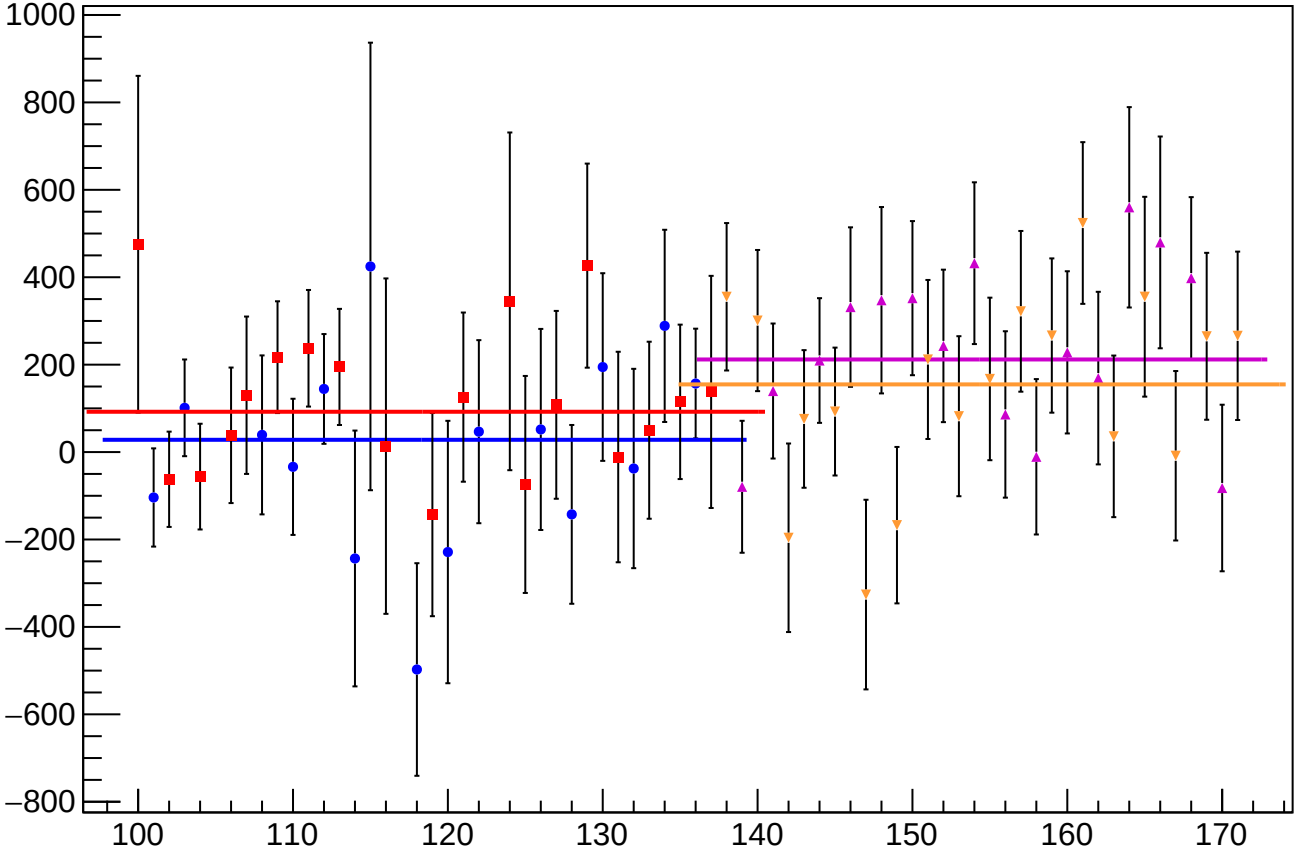
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 855.654+/-0.139 χ^2/NDF:2786376.3/31

Out: 829.186+/-0.132 χ^2/NDF:3221849.6/36

All: 841.684+/-0.096 χ^2/NDF: 6027343.1/68

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: 211.870+/-45.271 χ^2/NDF:15.8/15

Left: 181.816+/-31.132 χ^2/NDF: 38.2/33

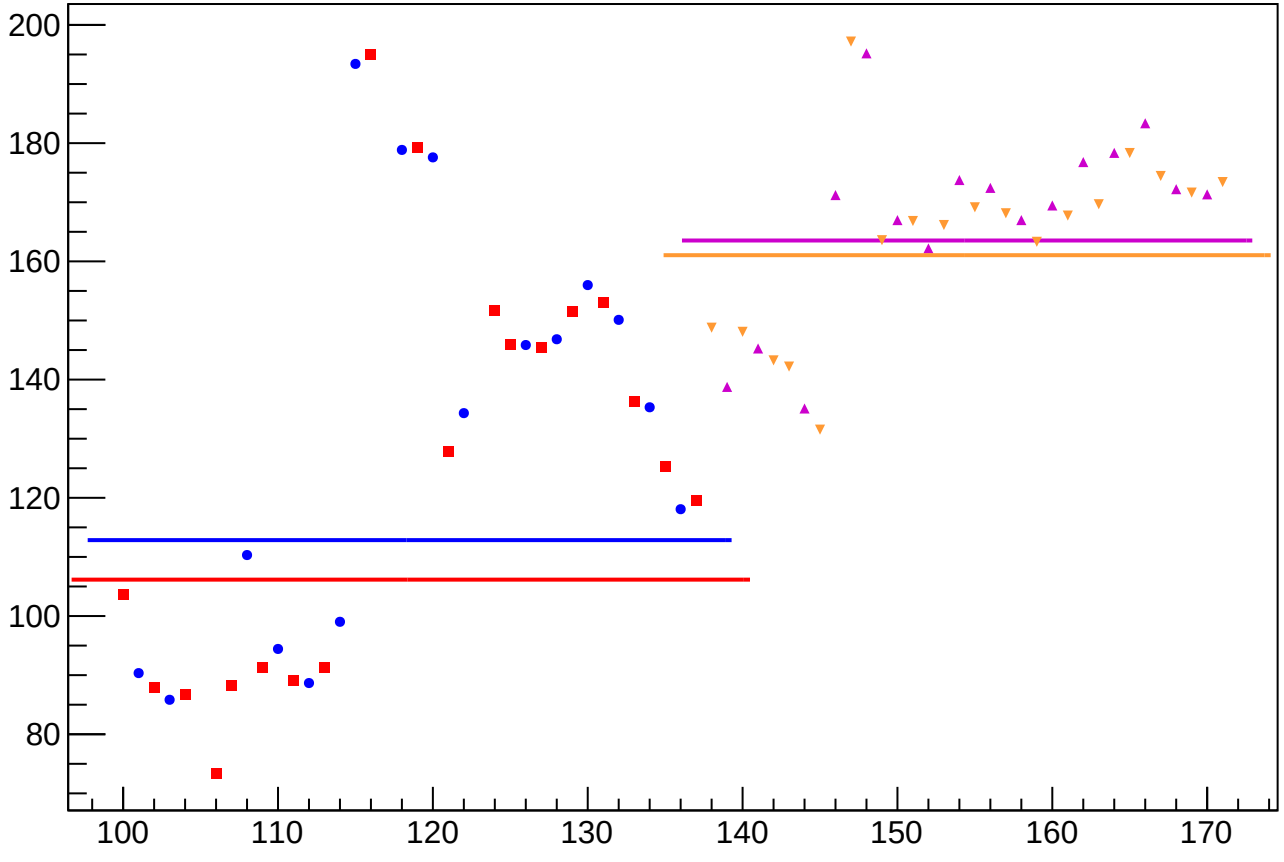
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 116.189+/-31.343 χ^2/NDF:38.0/31

Out: 121.792+/-29.459 χ^2/NDF:34.3/36

All: 119.164+/-21.466 χ^2/NDF: 72.3/68

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: 163.531+/-0.032 χ^2/NDF:261575.7/15

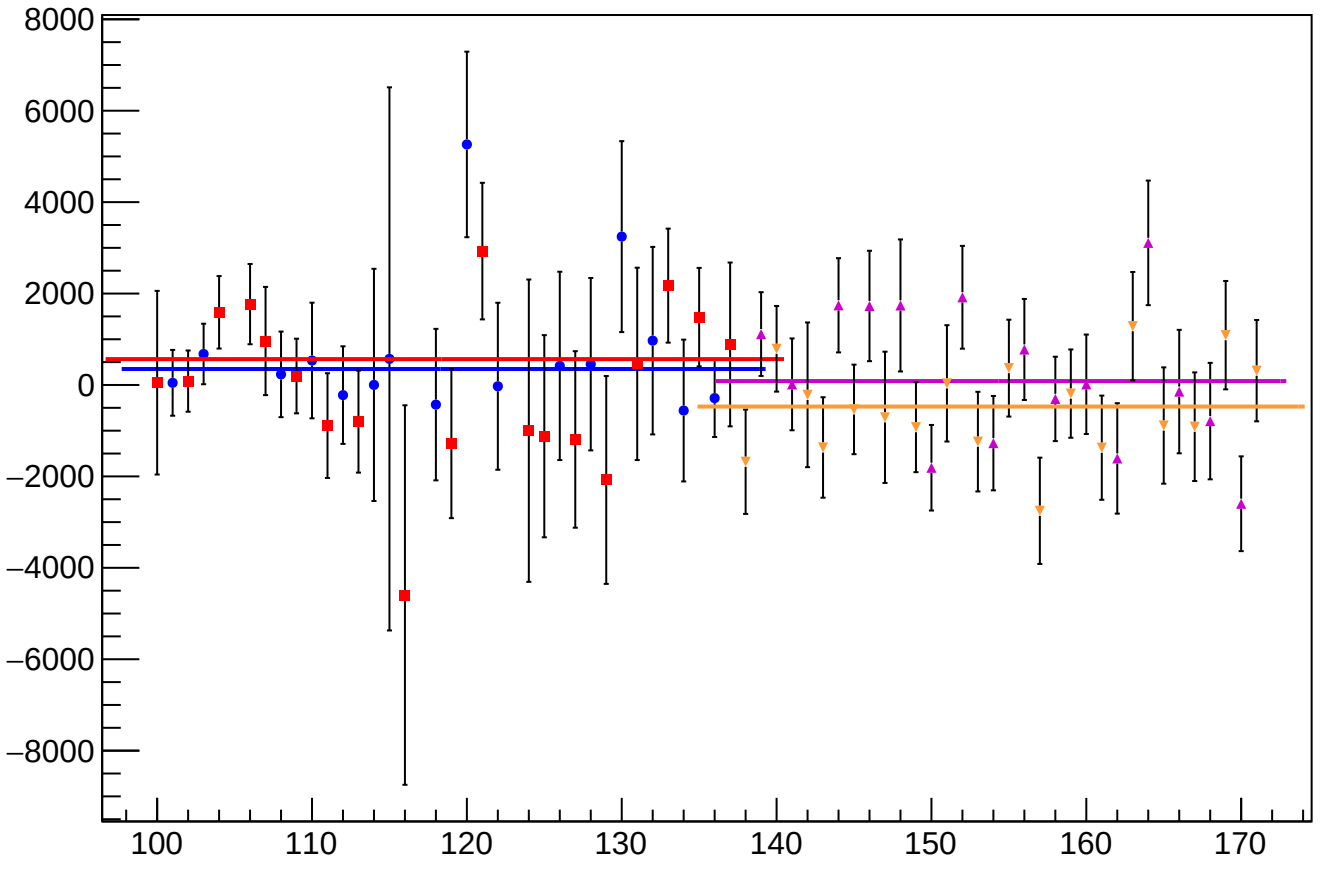
Left: 162.221+/-0.022 χ^2/NDF: 520831.7/33

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 137.141+/-0.022 χ^2/NDF:2439241.7/31

Out: 132.062+/-0.021 χ^2/NDF:2988523.2/36

All: 134.444+/-0.015 χ^2/NDF: 5455643.2/68



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: 85.374+/-274.058 χ^2/NDF:30.2/15

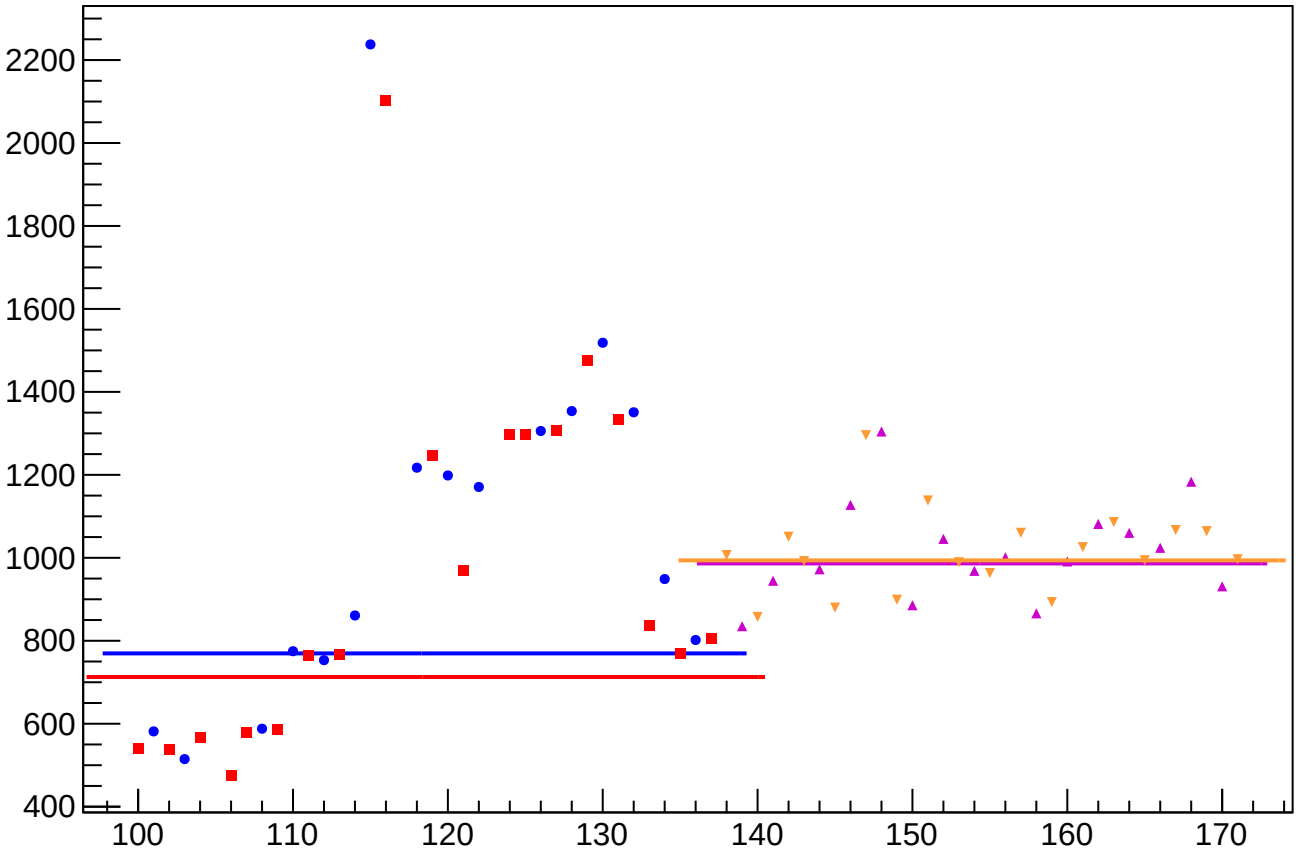
Left: -202.134+/-190.681 χ^2/NDF: 46.7/33

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 203.050+/-203.950 χ^2/NDF:40.4/31

Out: 20.882+/-192.394 χ^2/NDF:40.0/36

All: 106.659+/-139.950 χ^2/NDF: 80.8/68



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: 986.486+/-0.194 χ^2/NDF:319741.9/15

Left: 990.266+/-0.135 χ^2/NDF: 583664.8/33

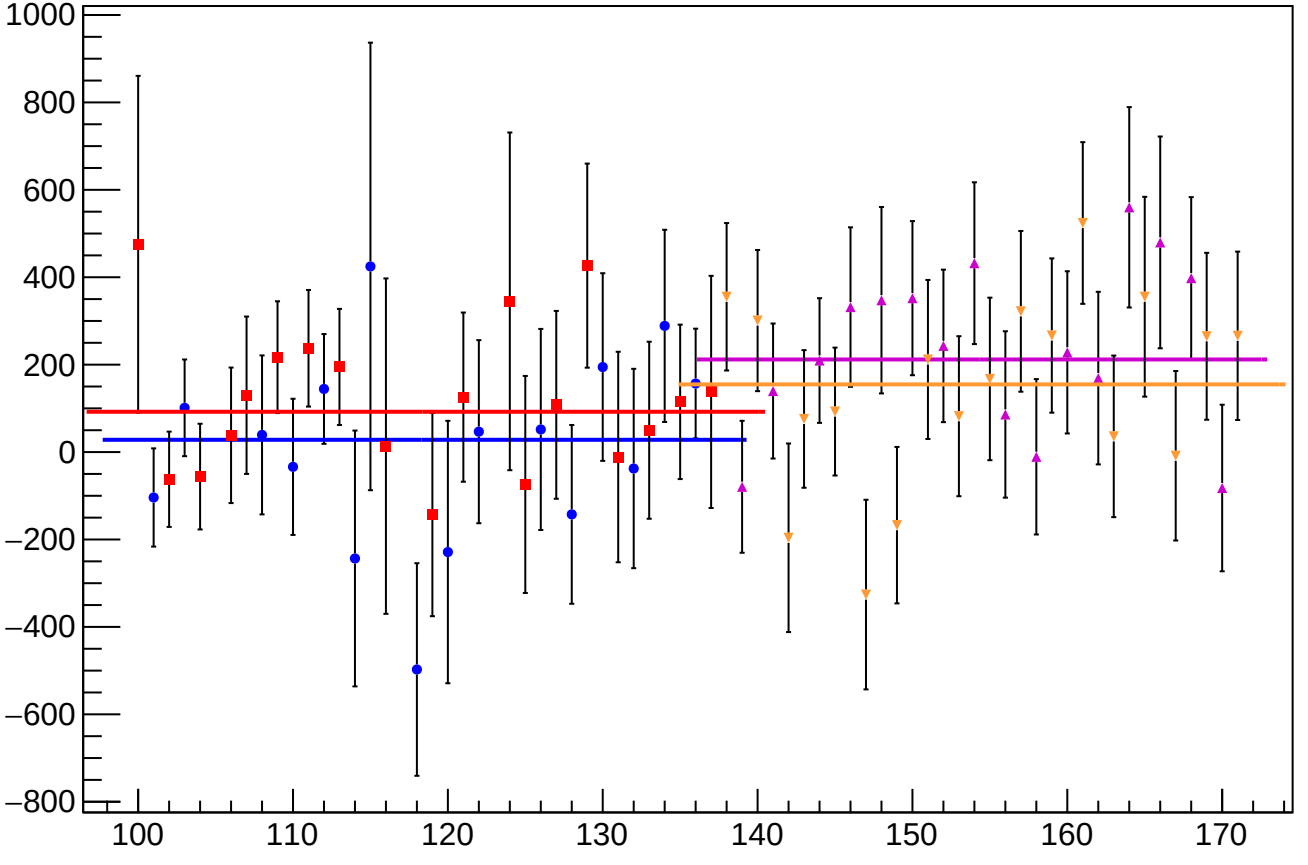
Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 889.696+/-0.144 χ^2/NDF:2618786.9/31

Out: 860.311+/-0.136 χ^2/NDF:3095680.7/36

All: 874.147+/-0.099 χ^2/NDF: 5736436.2/68

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: 211.871+/-45.271 χ^2/NDF:15.8/15

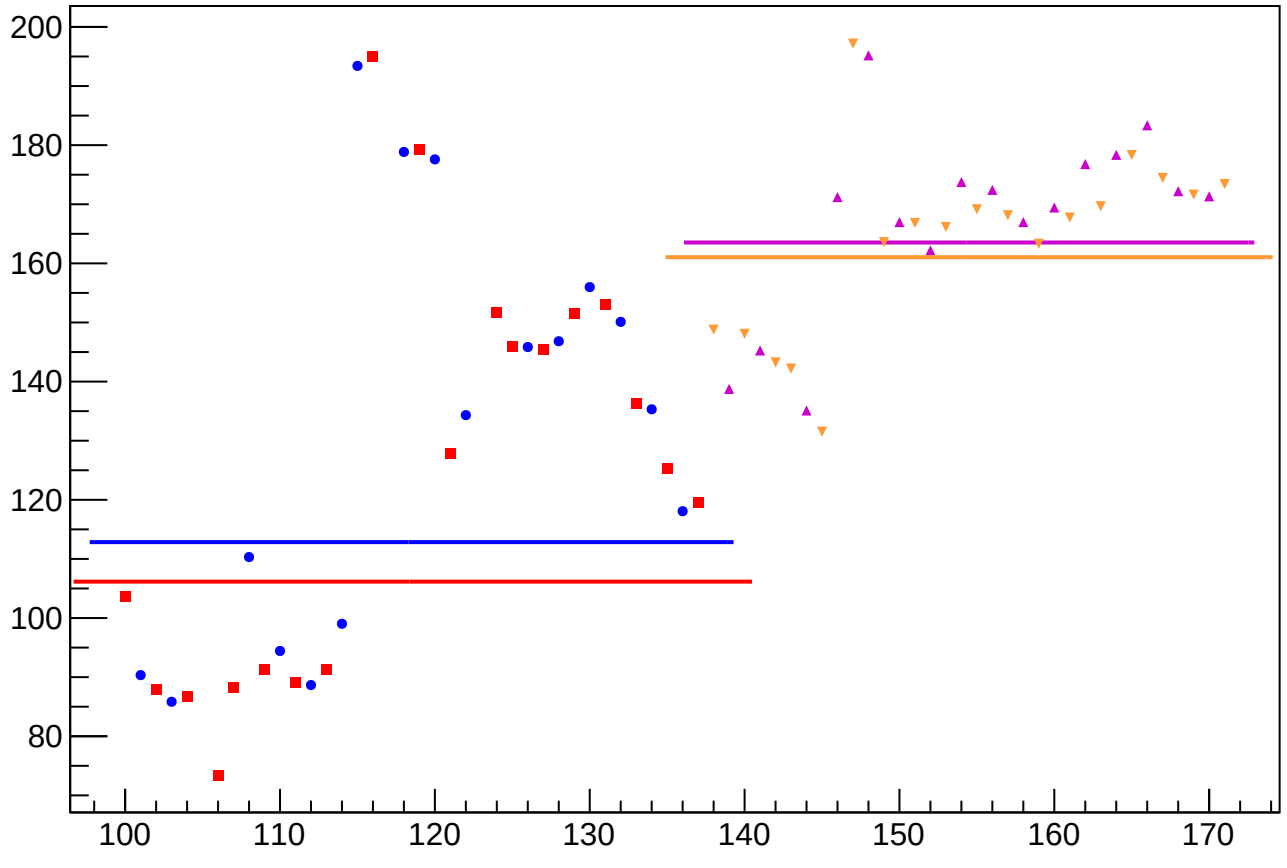
Left: 181.817+/-31.132 χ^2/NDF: 38.2/33

Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 116.188+/-31.343 χ^2/NDF:38.0/31

Out: 121.793+/-29.459 χ^2/NDF:34.3/36

All: 119.164+/-21.466 χ^2/NDF: 72.3/68



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: 163.531+/-0.032 χ^2/NDF:261569.8/15

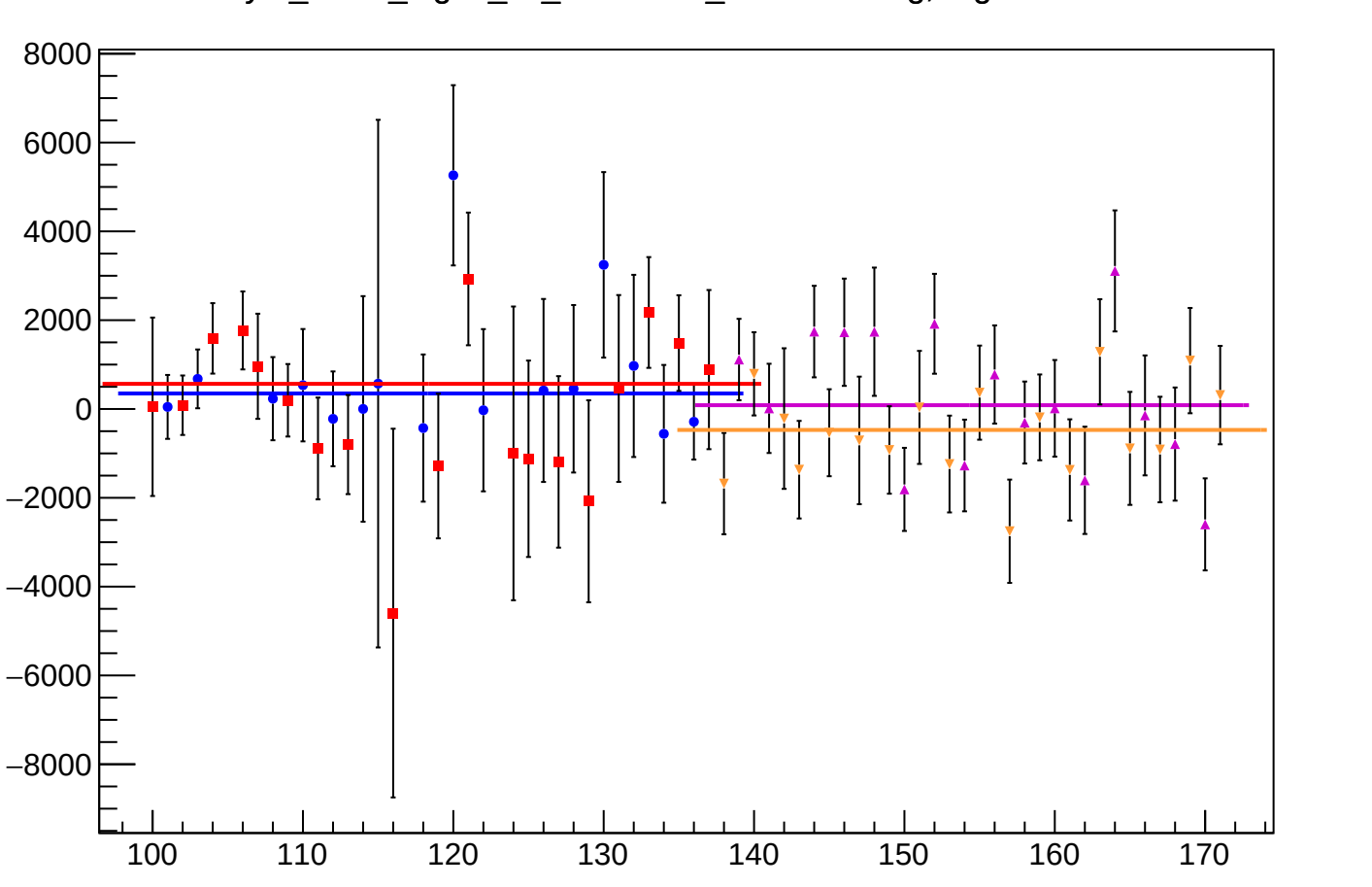
Left: 162.221+/-0.022 χ^2/NDF: 520825.7/33

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 137.141+/-0.022 χ^2/NDF:2439260.1/31

Out: 132.062+/-0.021 χ^2/NDF:2988536.6/36

All: 134.444+/-0.015 χ^2/NDF: 5455674.9/68



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: 85.374+/-274.058 χ^2/NDF:30.2/15

Left: -202.133+/-190.681 χ^2/NDF: 46.7/33

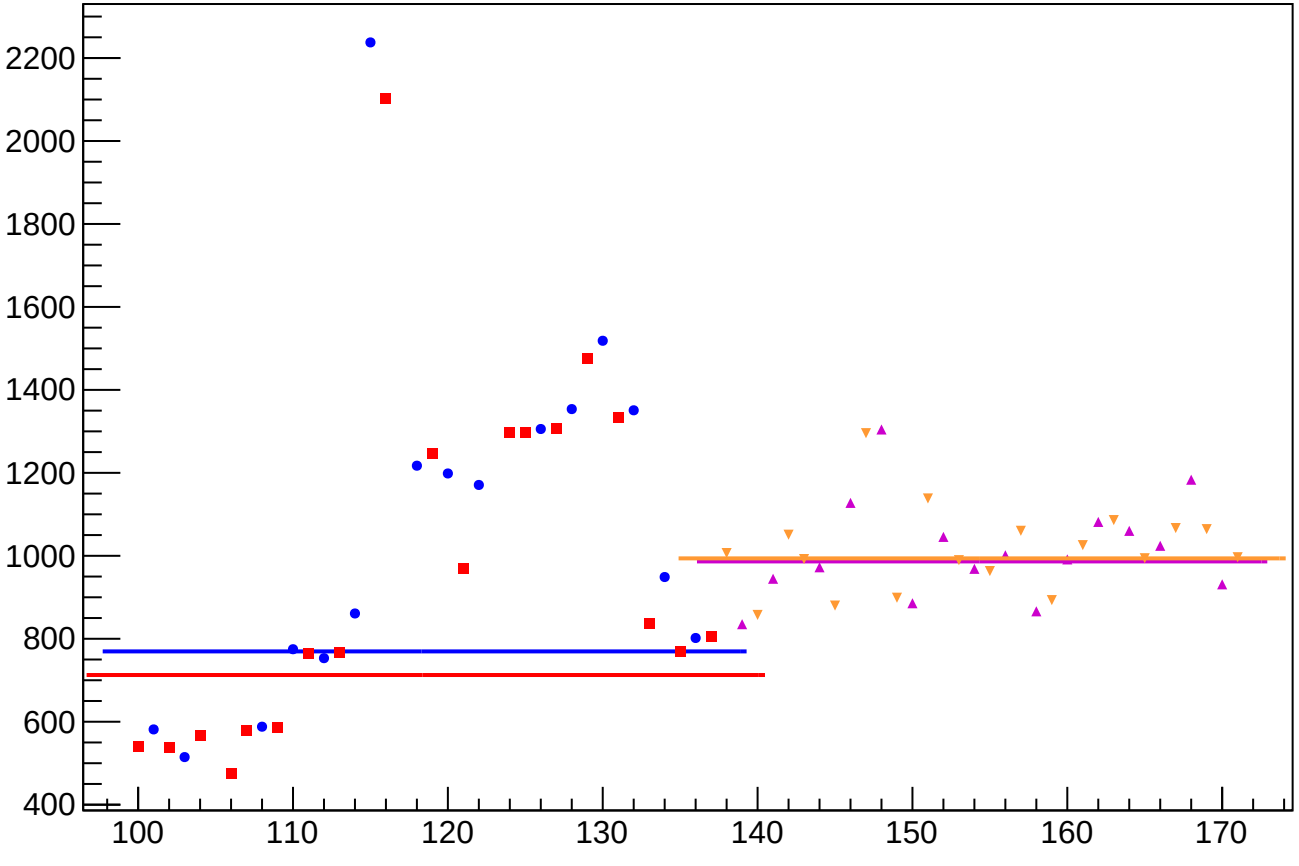
Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 203.050+/-203.950 χ^2/NDF:40.4/31

Out: 20.884+/-192.394 χ^2/NDF:40.0/36

All: 106.660+/-139.950 χ^2/NDF: 80.8/68

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: 986.487+/-0.194 χ^2/NDF:319740.8/15

Left: 990.267+/-0.135 χ^2/NDF: 583663.7/33

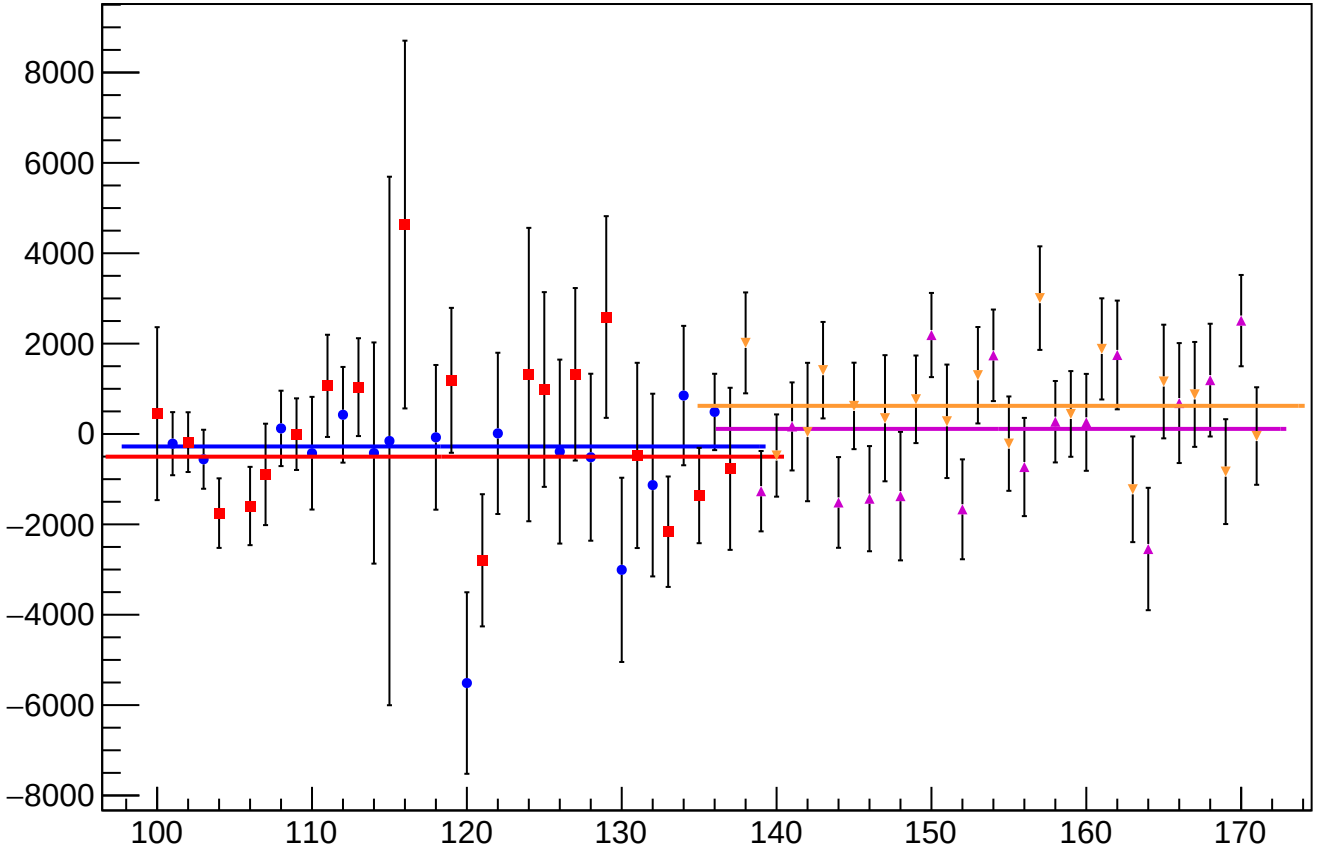
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 889.696+/-0.144 χ^2/NDF:2618795.8/31

Out: 860.310+/-0.136 χ^2/NDF:3095693.6/36

All: 874.147+/-0.099 χ^2/NDF: 5736458.0/68

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: 112.896+/-268.607 χ^2/NDF:30.9/15

Left: 376.278+/-186.823 χ^2/NDF: 48.0/33

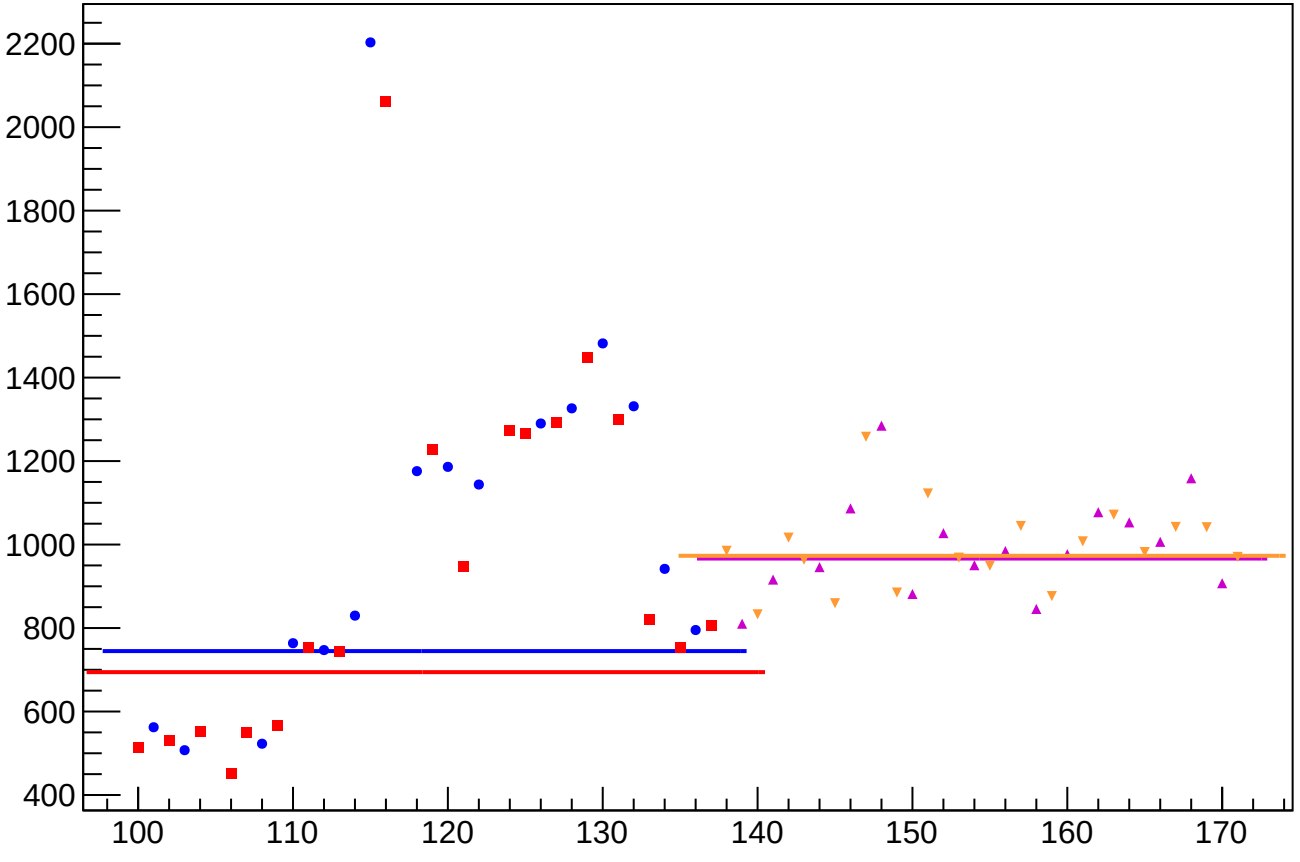
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -62.358+/-199.130 χ^2/NDF:43.0/31

Out: 87.916+/-188.280 χ^2/NDF:44.6/36

All: 16.984+/-136.809 χ^2/NDF: 87.8/68

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: 966.462+/-0.190 χ^2/NDF:330513.4/15

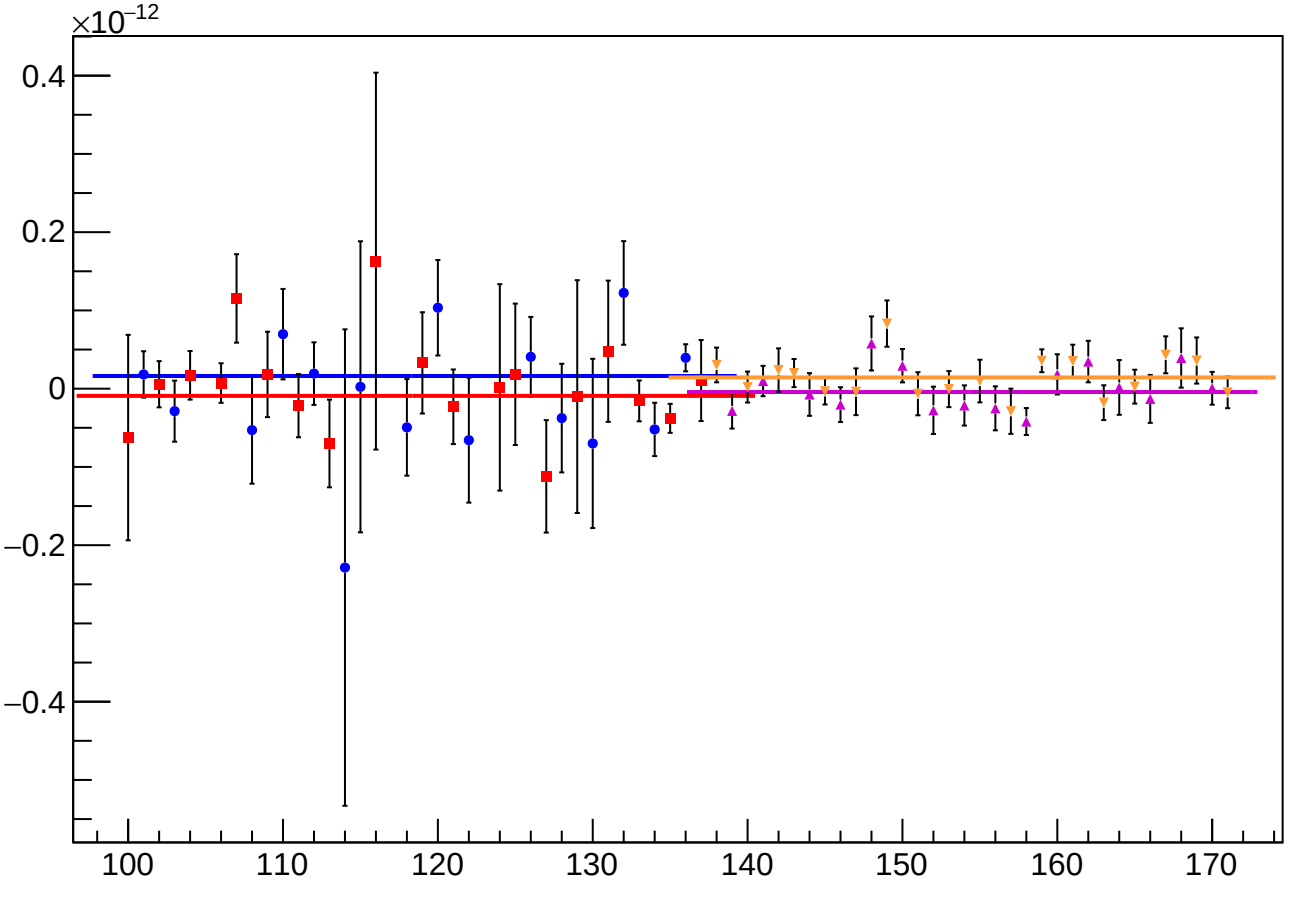
Left: 969.880+/-0.132 χ^2/NDF: 596984.3/33

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 866.615+/-0.141 χ^2/NDF:2766626.9/31

Out: 840.495+/-0.133 χ^2/NDF:3162818.1/36

All: 852.824+/-0.097 χ^2/NDF: 5947613.5/68



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:18.7/15

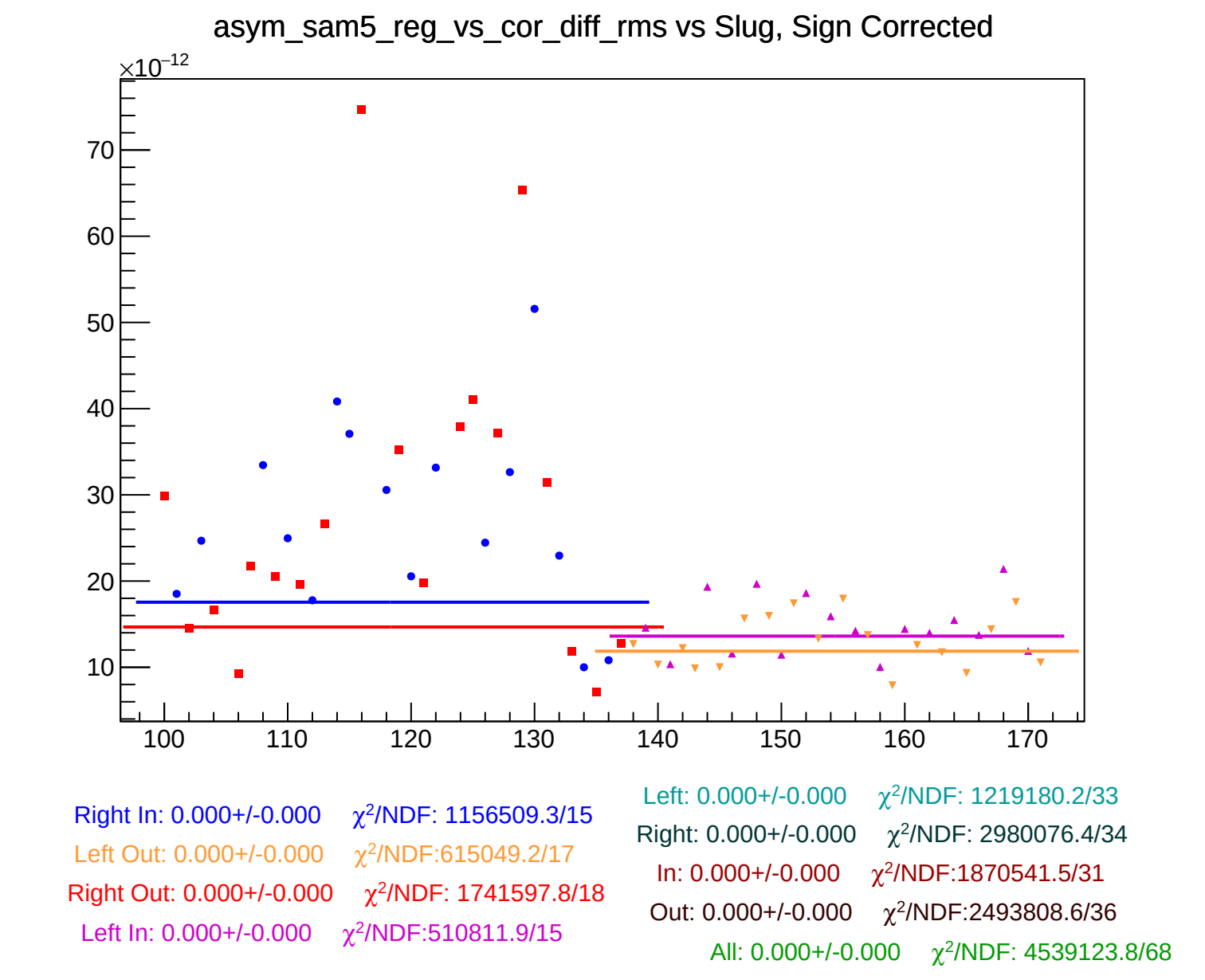
Left: 0.000+/-0.000 χ^2/NDF: 43.8/33

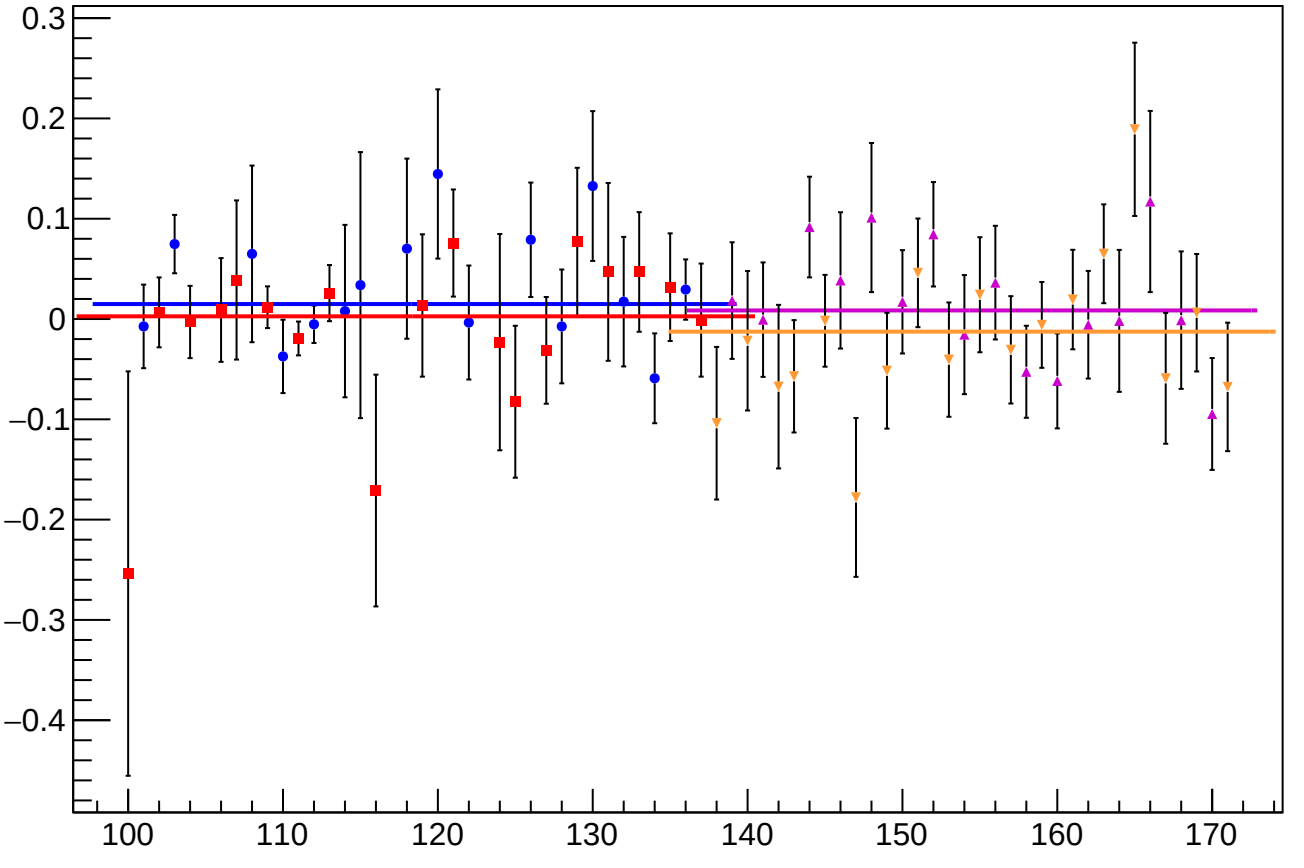
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:39.4/31

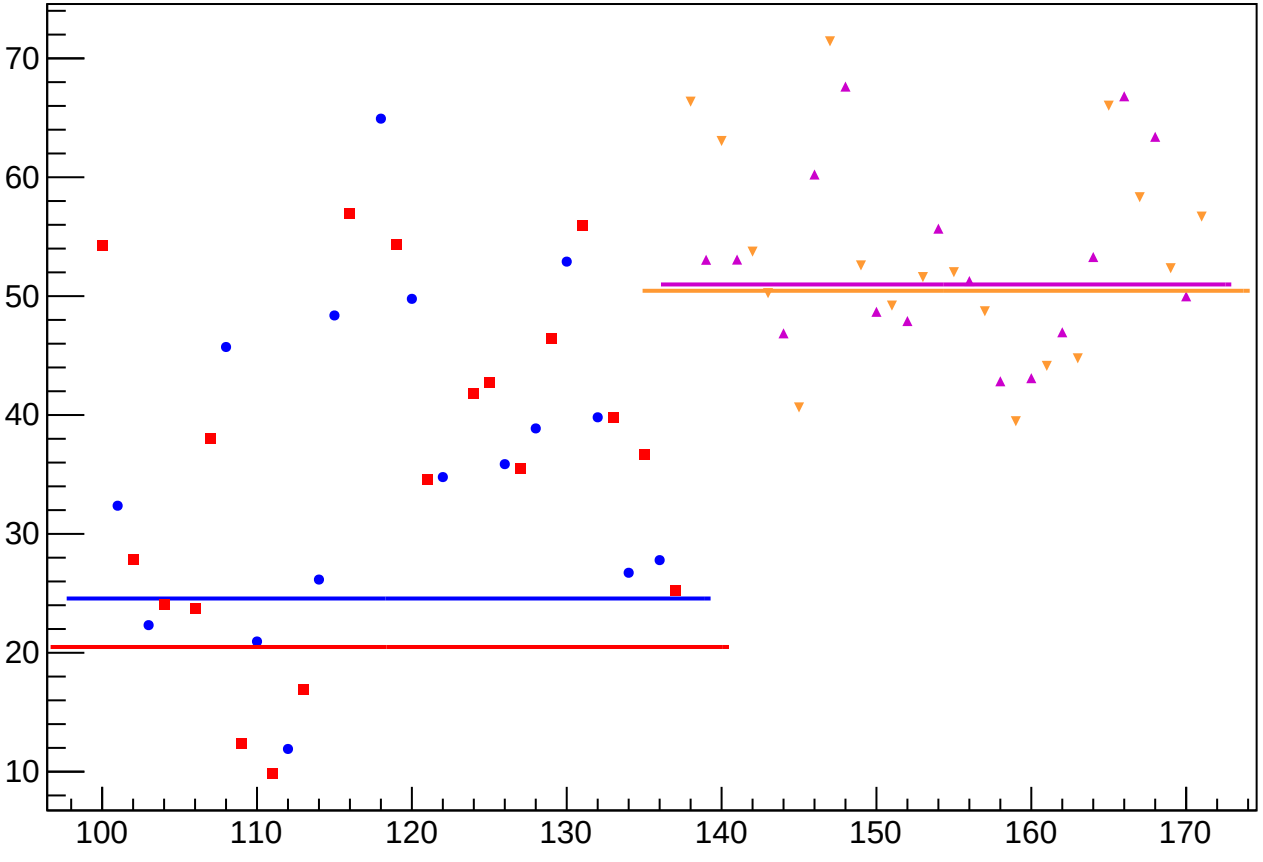
Out: 0.000+/-0.000 χ^2/NDF:38.7/36

All: 0.000+/-0.000 χ^2/NDF: 79.4/68


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:615049.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:510811.9/15
Left: 0.000+/-0.000 χ²/NDF: 1219180.2/33
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:1870541.5/31
Out: 0.000+/-0.000 χ²/NDF:2493808.6/36
All: 0.000+/-0.000 χ²/NDF: 4539123.8/68


asym_sam5_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.013+/-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:16.1/15
Left: -0.003+/-0.010 χ²/NDF: 36.3/33
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.013+/-0.009 χ²/NDF:34.0/31
Out: -0.002+/-0.008 χ²/NDF:32.4/36
All: 0.004+/-0.006 χ²/NDF: 68.0/68

asym_sam5_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.451+/-0.010 χ^2/NDF:702575.9/17

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 50.983+/-0.010 χ^2/NDF:439165.3/15

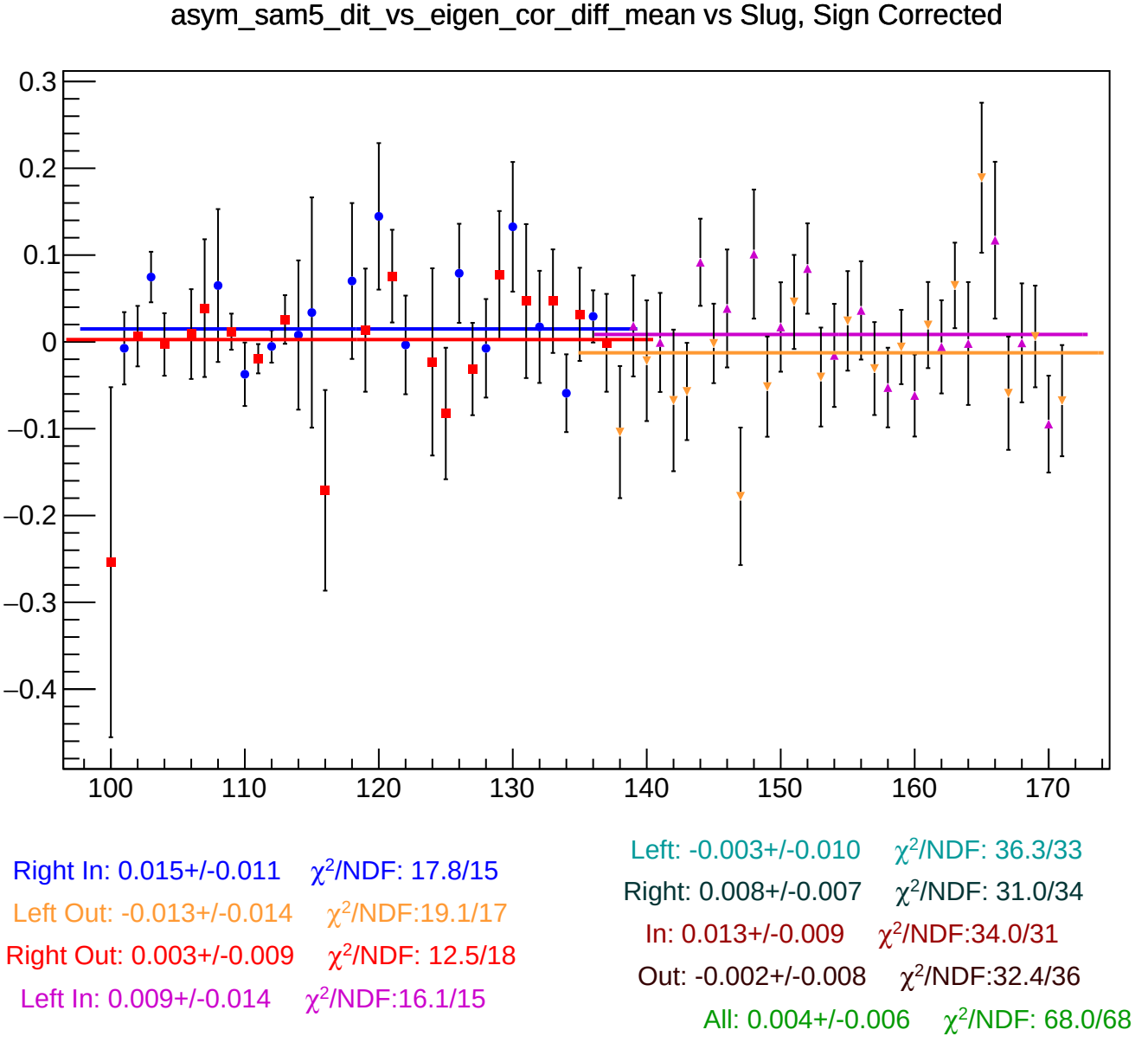
Left: 50.704+/-0.007 χ^2/NDF: 1143184.7/33

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

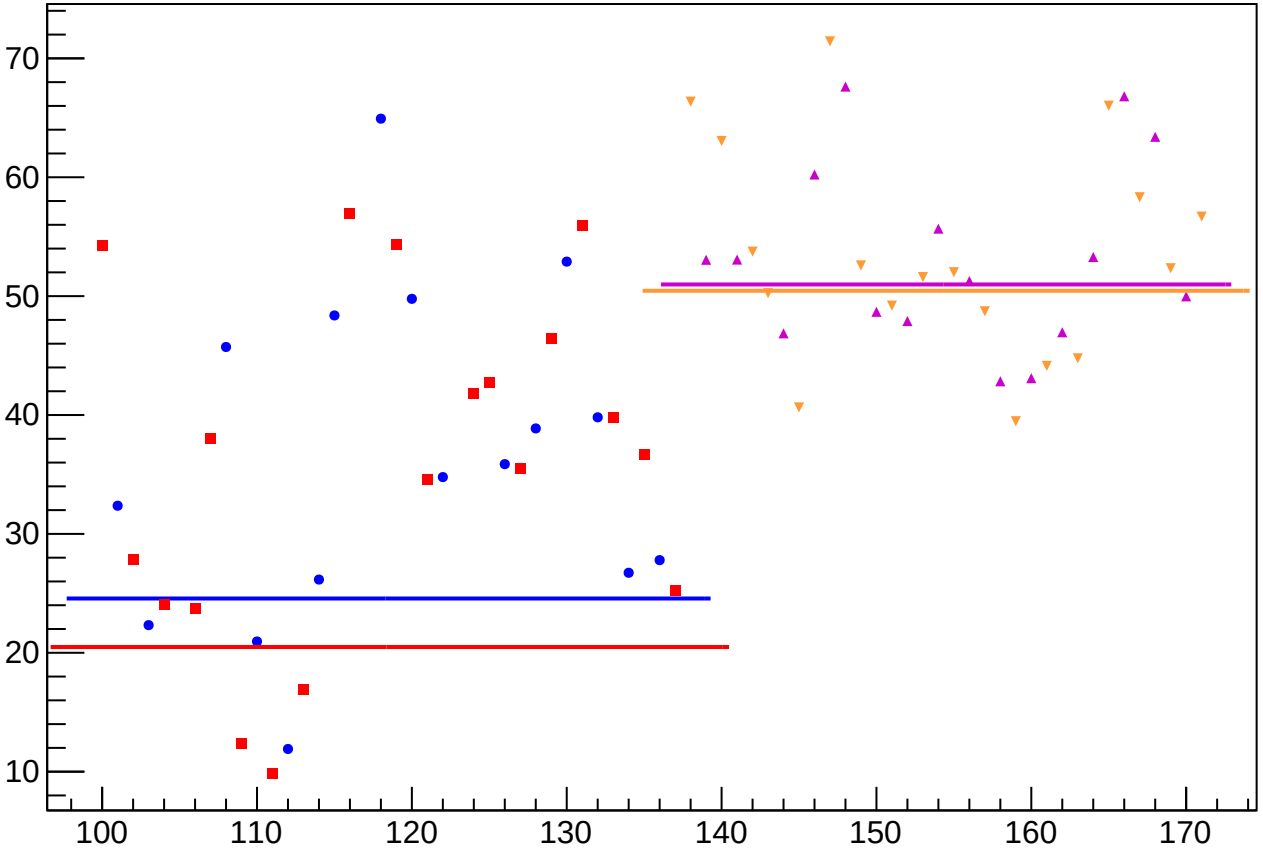
In: 33.887+/-0.006 χ^2/NDF:7317148.1/31

Out: 29.870+/-0.005 χ^2/NDF:10891926.6/36

All: 31.663+/-0.004 χ^2/NDF: 18455385.1/68


asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: 0.015+/-0.011 χ²/NDF: 17.8/15
Left Out: -0.013+/-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:16.1/15
Left: -0.003+/-0.010 χ²/NDF: 36.3/33
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.013+/-0.009 χ²/NDF:34.0/31
Out: -0.002+/-0.008 χ²/NDF:32.4/36
All: 0.004+/-0.006 χ²/NDF: 68.0/68

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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: 50.983+/-0.010 χ^2/NDF:439165.3/15

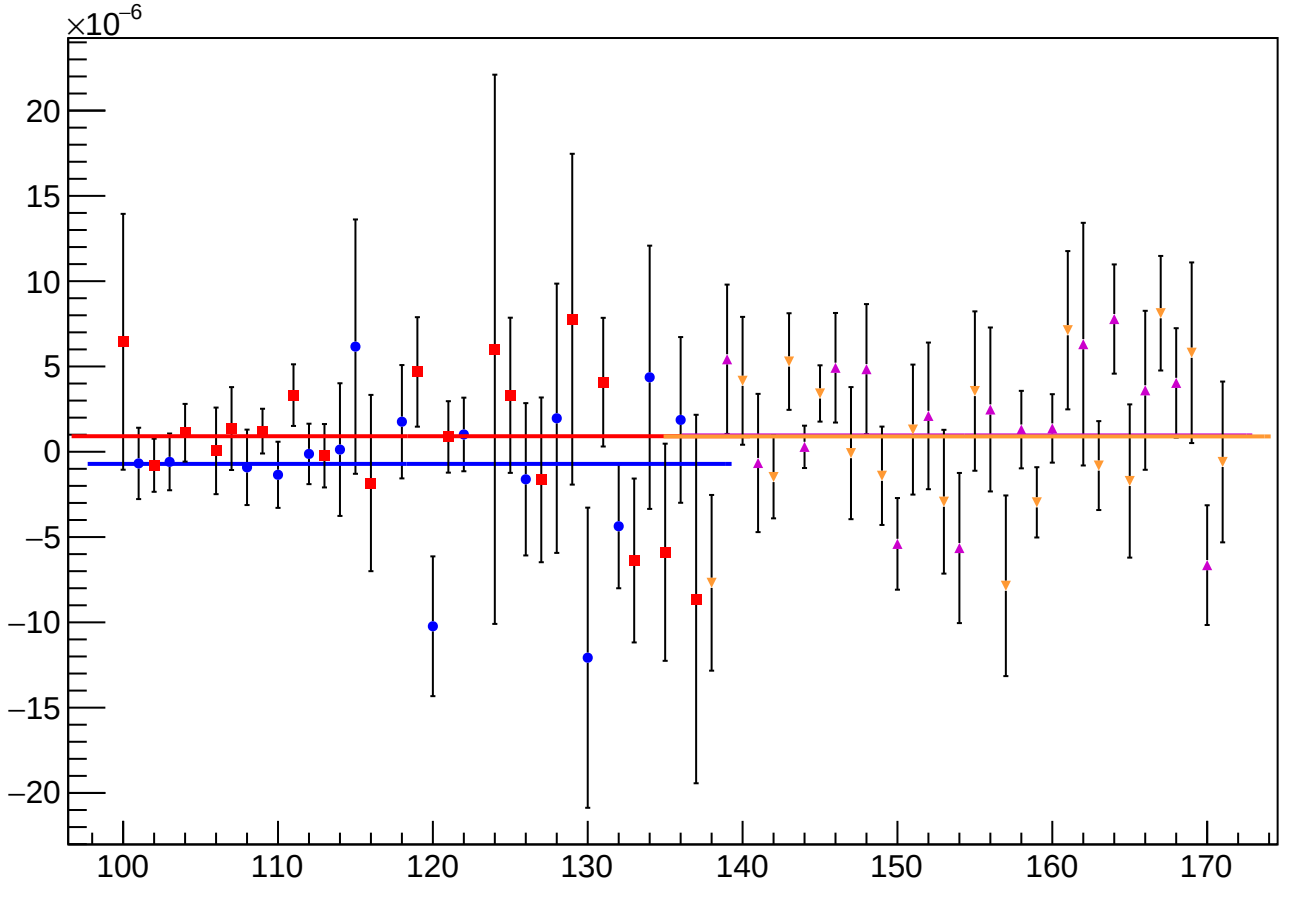
Left: 50.704+/-0.007 χ^2/NDF: 1143184.7/33

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 33.887+/-0.006 χ^2/NDF:7317148.1/31

Out: 29.870+/-0.005 χ^2/NDF:10891926.6/36

All: 31.663+/-0.004 χ^2/NDF: 18455385.1/68



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:23.2/15

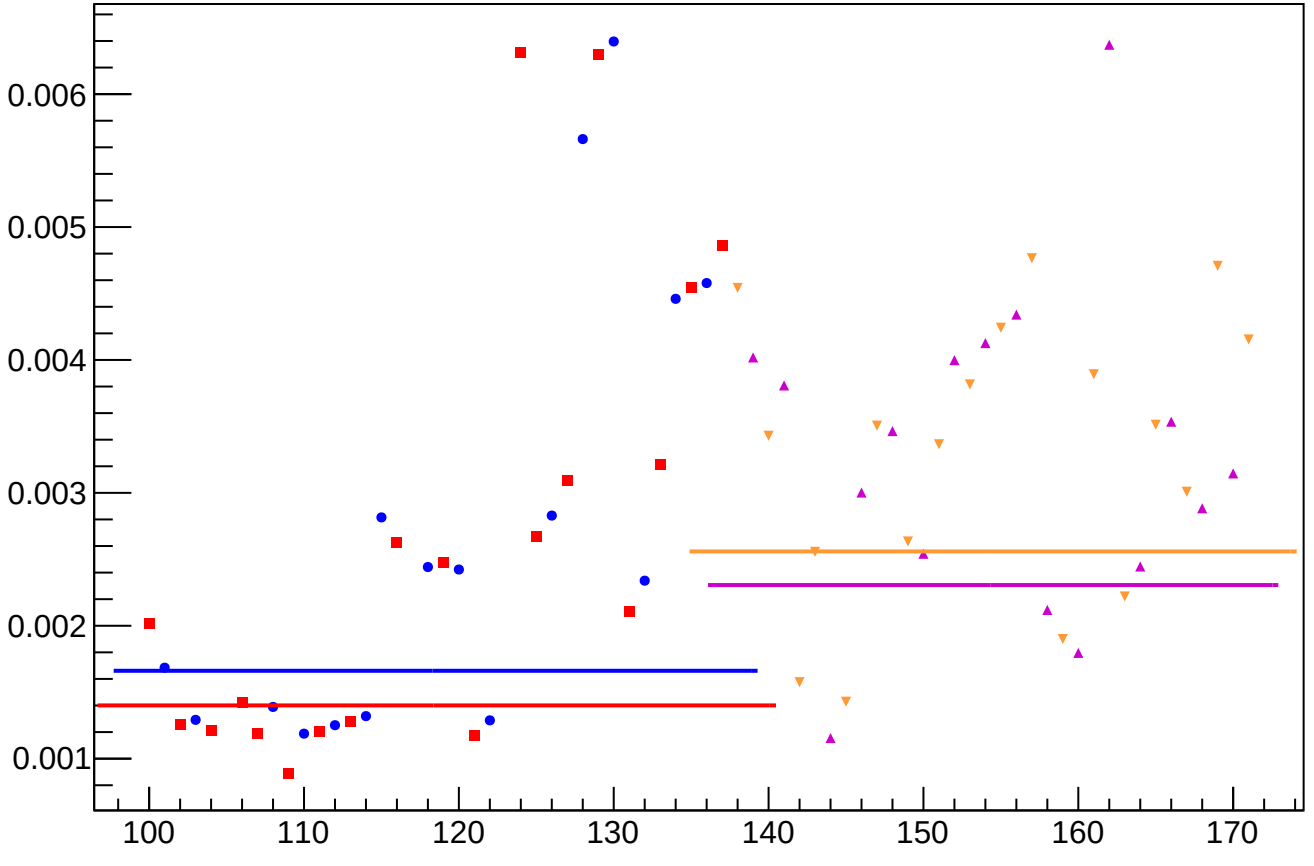
Left: 0.000+/-0.000 χ^2/NDF: 48.7/33

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:37.3/31

Out: 0.000+/-0.000 χ^2/NDF:37.4/36

All: 0.000+/-0.000 χ^2/NDF: 76.0/68



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:4722834.1/15

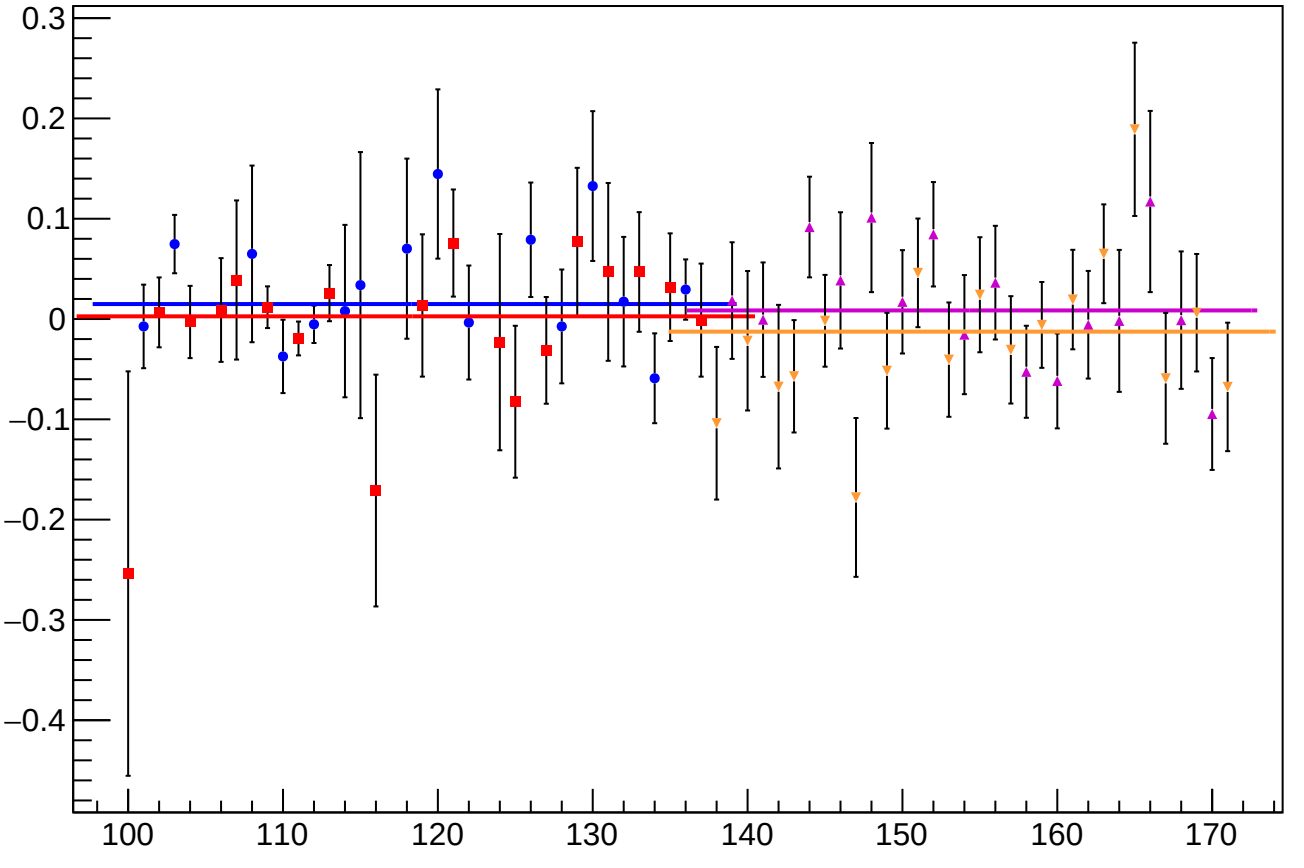
Left: 0.002+/-0.000 χ^2/NDF: 8600846.2/33

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:8505830.0/31

Out: 0.002+/-0.000 χ^2/NDF:9665926.2/36

All: 0.002+/-0.000 χ^2/NDF: 18249528.4/68



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:16.1/15

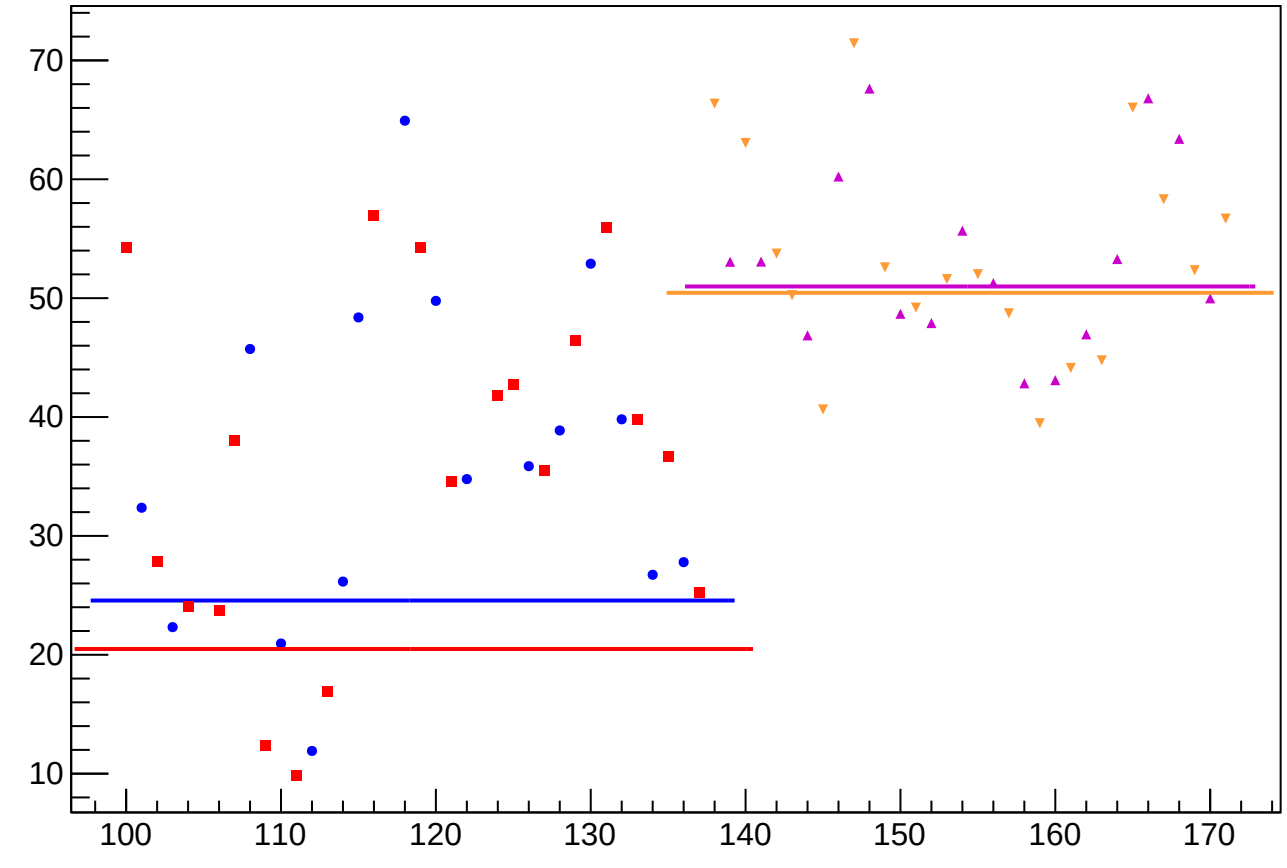
Left: -0.003+/-0.010 χ^2/NDF: 36.3/33

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.009 χ^2/NDF:34.0/31

Out: -0.002+/-0.008 χ^2/NDF:32.4/36

All: 0.004+/-0.006 χ^2/NDF: 68.0/68



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: 50.983+/-0.010 χ^2/NDF:439259.1/15

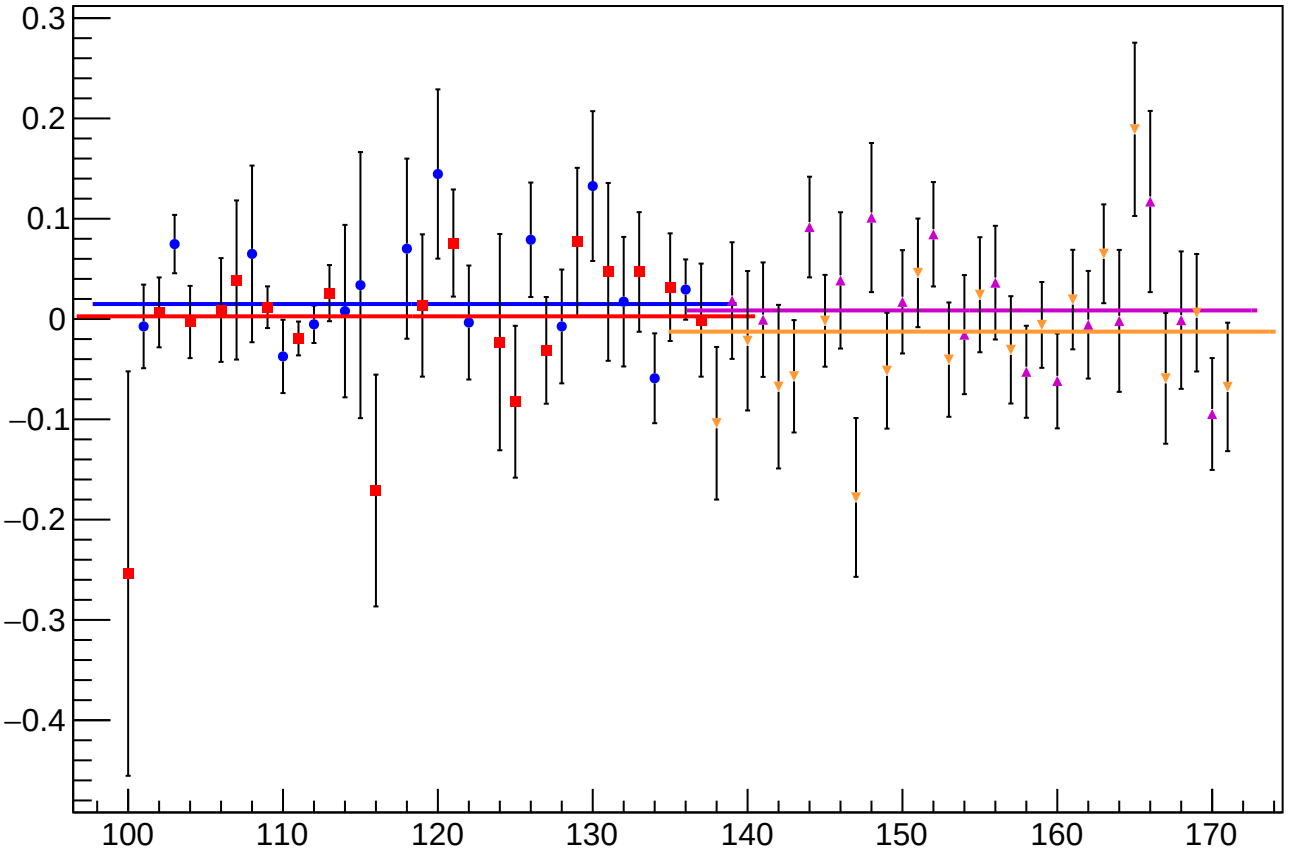
Left: 50.704+/-0.007 χ^2/NDF: 1143405.1/33

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.886+/-0.006 χ^2/NDF:7317378.2/31

Out: 29.870+/-0.005 χ^2/NDF:10892318.5/36

All: 31.662+/-0.004 χ^2/NDF: 18456022.4/68



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:16.1/15

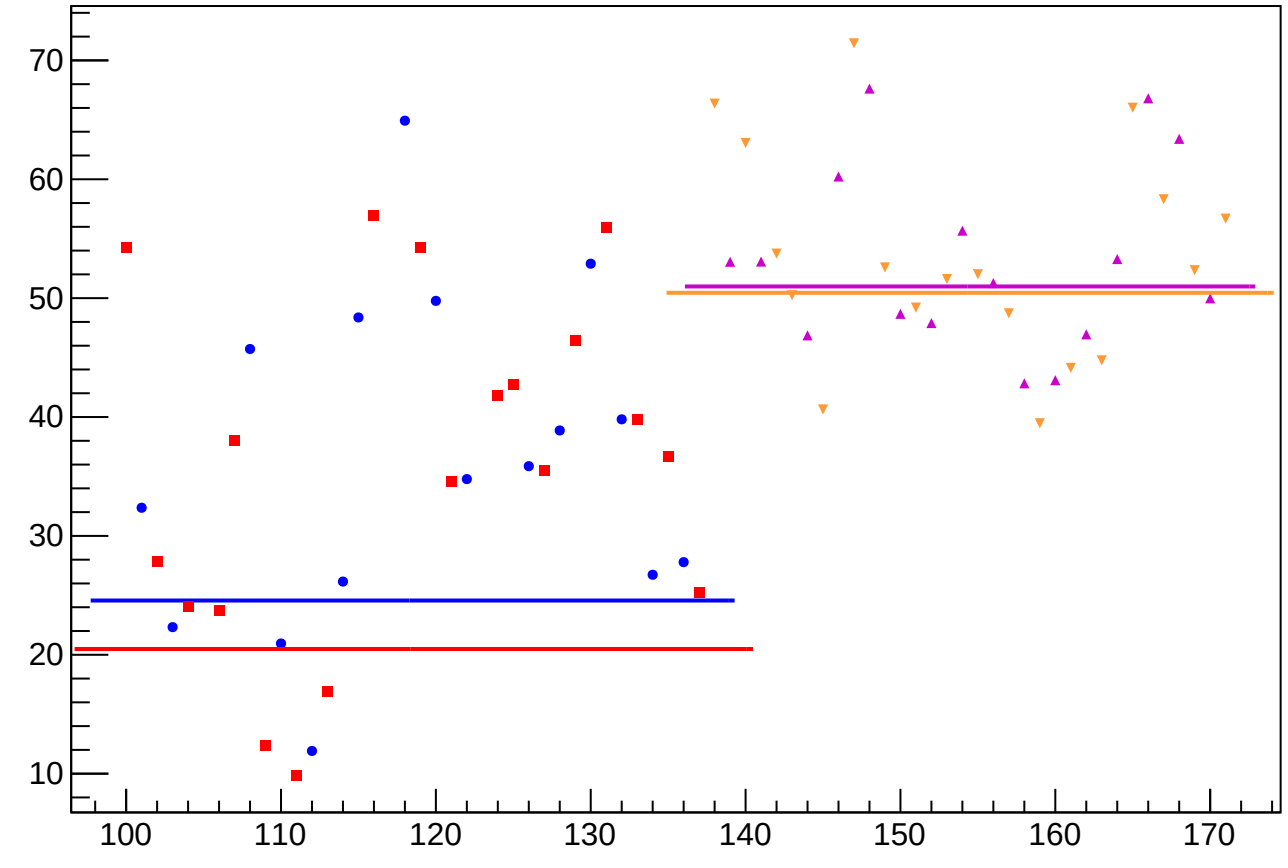
Left: -0.003+/-0.010 χ^2/NDF: 36.3/33

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.013+/-0.009 χ^2/NDF:34.0/31

Out: -0.002+/-0.008 χ^2/NDF:32.4/36

All: 0.004+/-0.006 χ^2/NDF: 68.0/68



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: 50.983+/-0.010 χ^2/NDF:439259.1/15

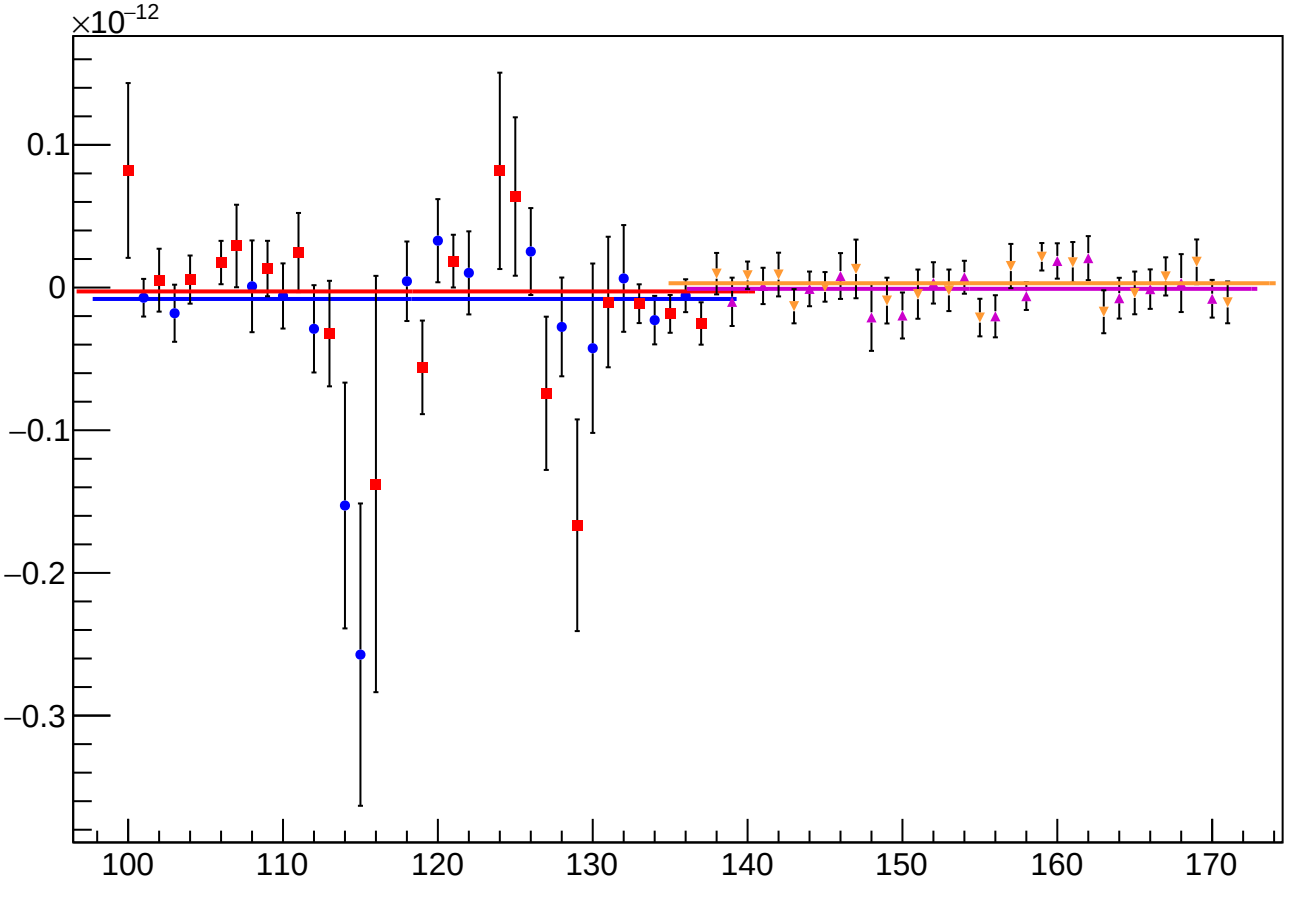
Left: 50.704+/-0.007 χ^2/NDF: 1143405.1/33

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 33.886+/-0.006 χ^2/NDF:7317378.2/31

Out: 29.870+/-0.005 χ^2/NDF:10892318.5/36

All: 31.662+/-0.004 χ^2/NDF: 18456022.4/68



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:10.2/15

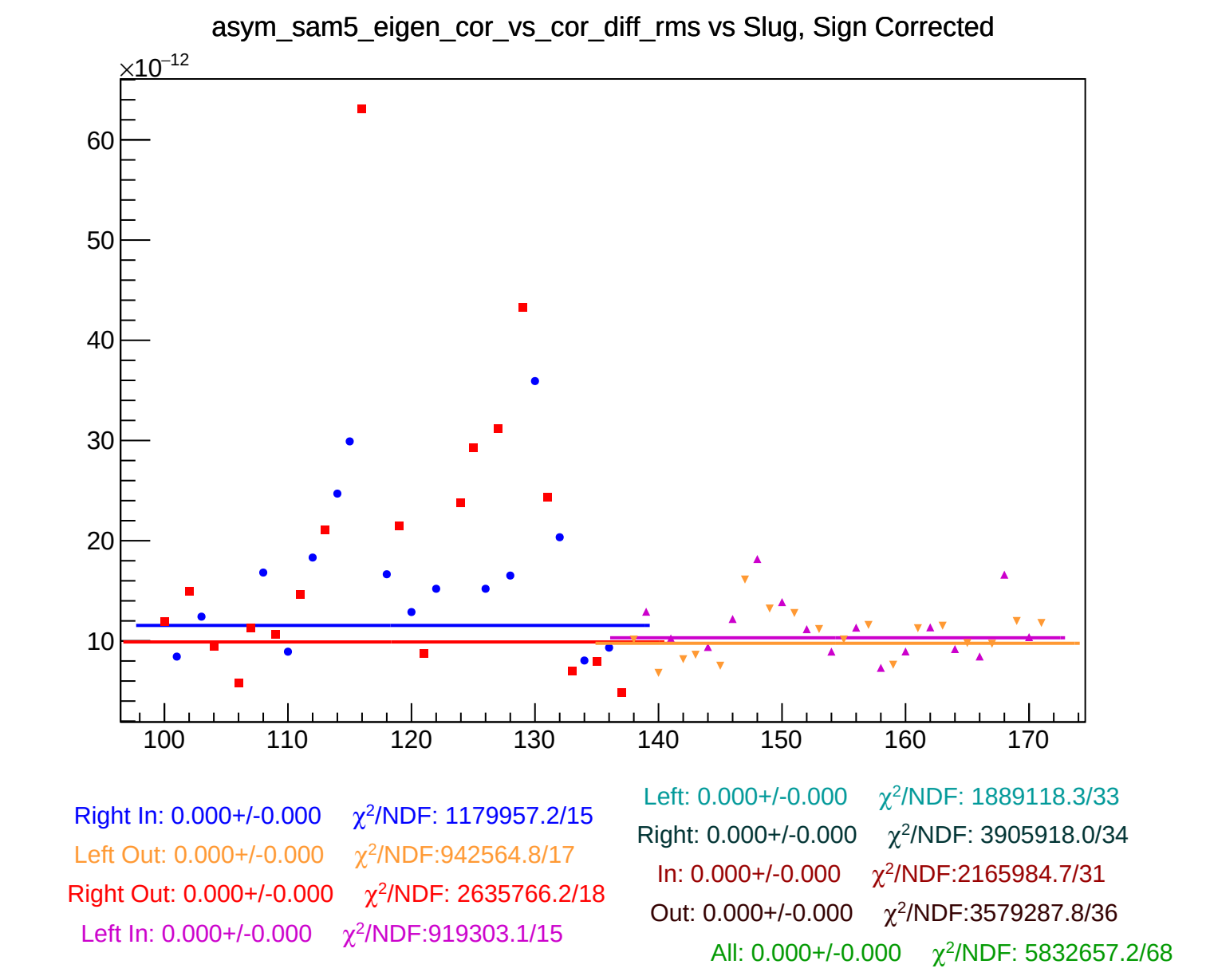
Left: 0.000+/-0.000 χ^2/NDF: 27.2/33

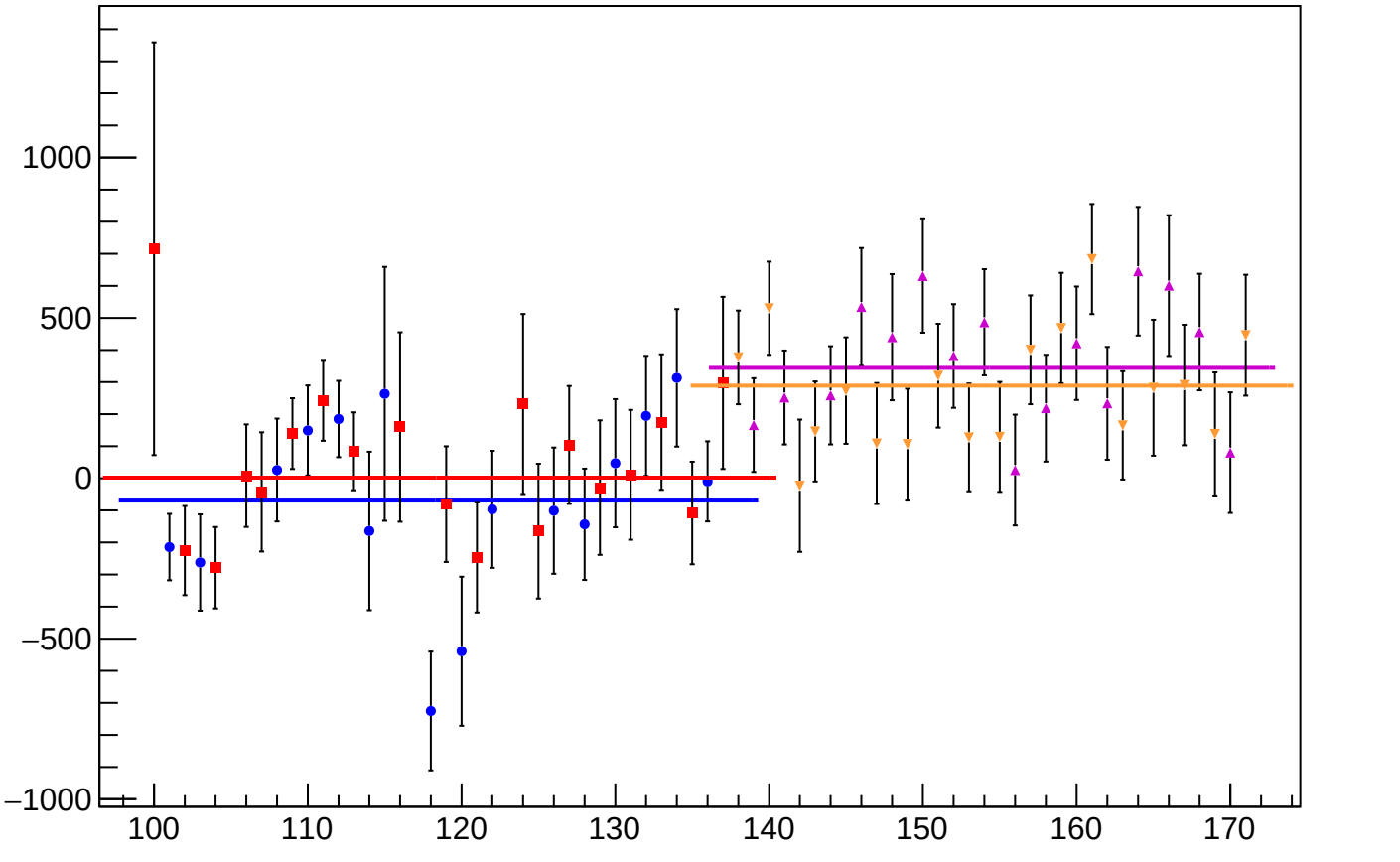
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: -0.000+/-0.000 χ^2/NDF:25.8/31

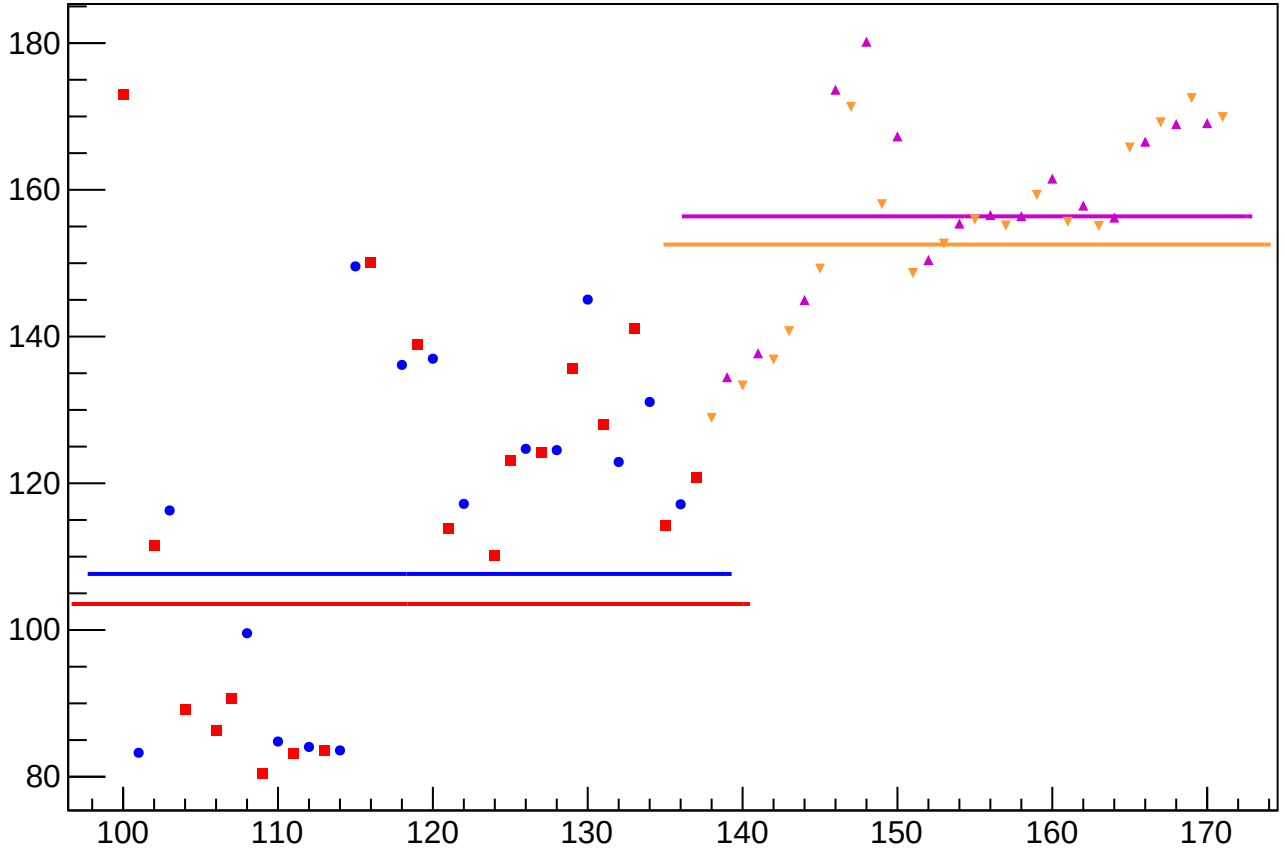
Out: 0.000+/-0.000 χ^2/NDF:43.2/36

All: -0.000+/-0.000 χ^2/NDF: 70.2/68


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:942564.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:919303.1/15
Left: 0.000+/-0.000 χ²/NDF: 1889118.3/33
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2165984.7/31
Out: 0.000+/-0.000 χ²/NDF:3579287.8/36
All: 0.000+/-0.000 χ²/NDF: 5832657.2/68


reg_asym_sam6_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -66.230+/-40.937 χ²/NDF: 34.4/15
Left Out: 288.731+/-40.571 χ²/NDF:18.8/17
Right Out: 2.017+/-38.866 χ²/NDF: 21.1/18
Left In: 344.340+/-43.181 χ²/NDF:17.5/15
Left: 314.804+/-29.568 χ²/NDF: 37.1/33
Right: -30.337+/-28.186 χ²/NDF: 57.0/34
In: 128.108+/-29.709 χ²/NDF:99.5/31
Out: 139.226+/-28.066 χ²/NDF:65.9/36
All: 133.983+/-20.402 χ²/NDF: 165.5/68

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: 156.384+/-0.031 χ^2/NDF:170680.2/15

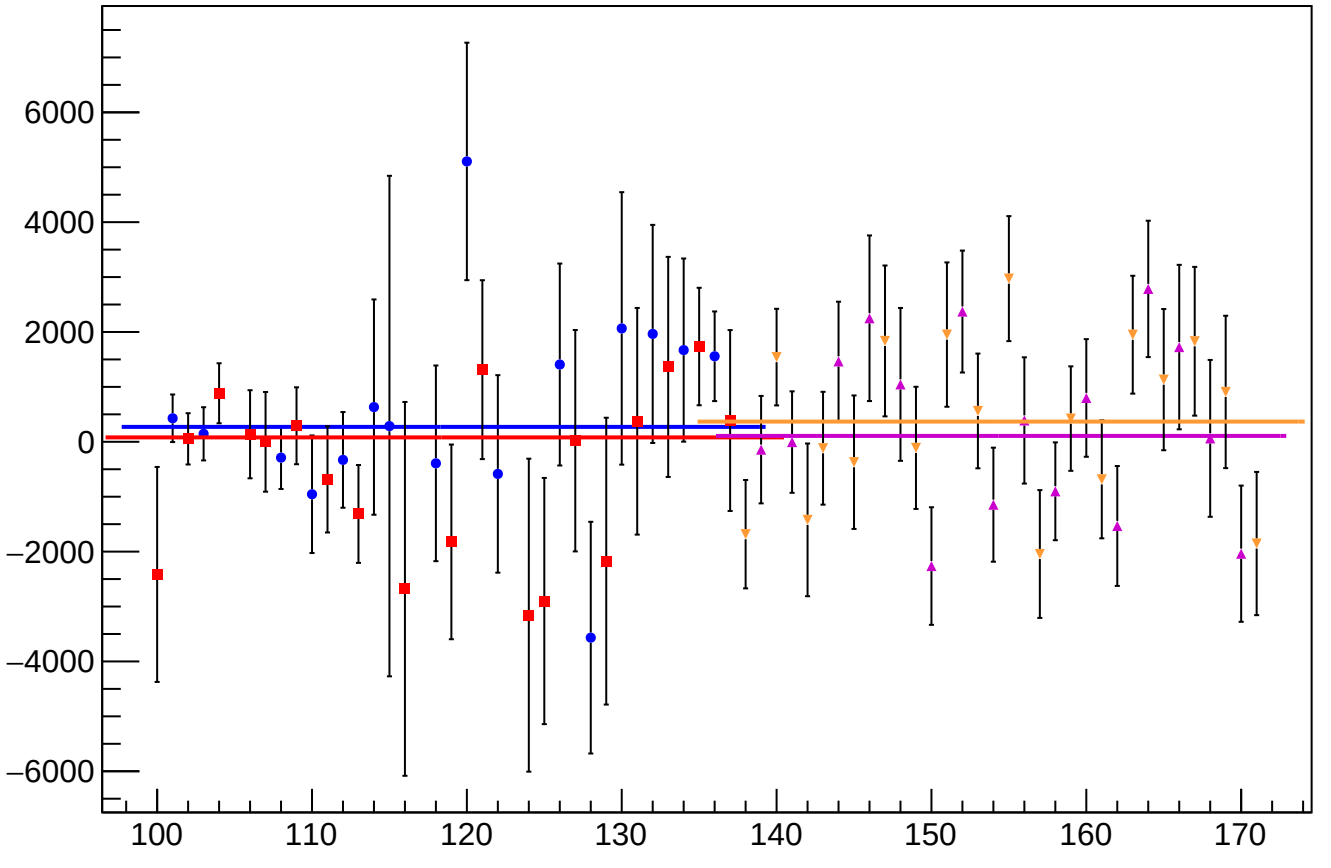
Left: 154.344+/-0.021 χ^2/NDF: 380655.8/33

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 130.714+/-0.021 χ^2/NDF:2045437.7/31

Out: 126.996+/-0.020 χ^2/NDF:2339792.8/36

All: 128.749+/-0.014 χ^2/NDF: 4401786.9/68



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: 107.240+/-281.841 χ^2/NDF:27.4/15

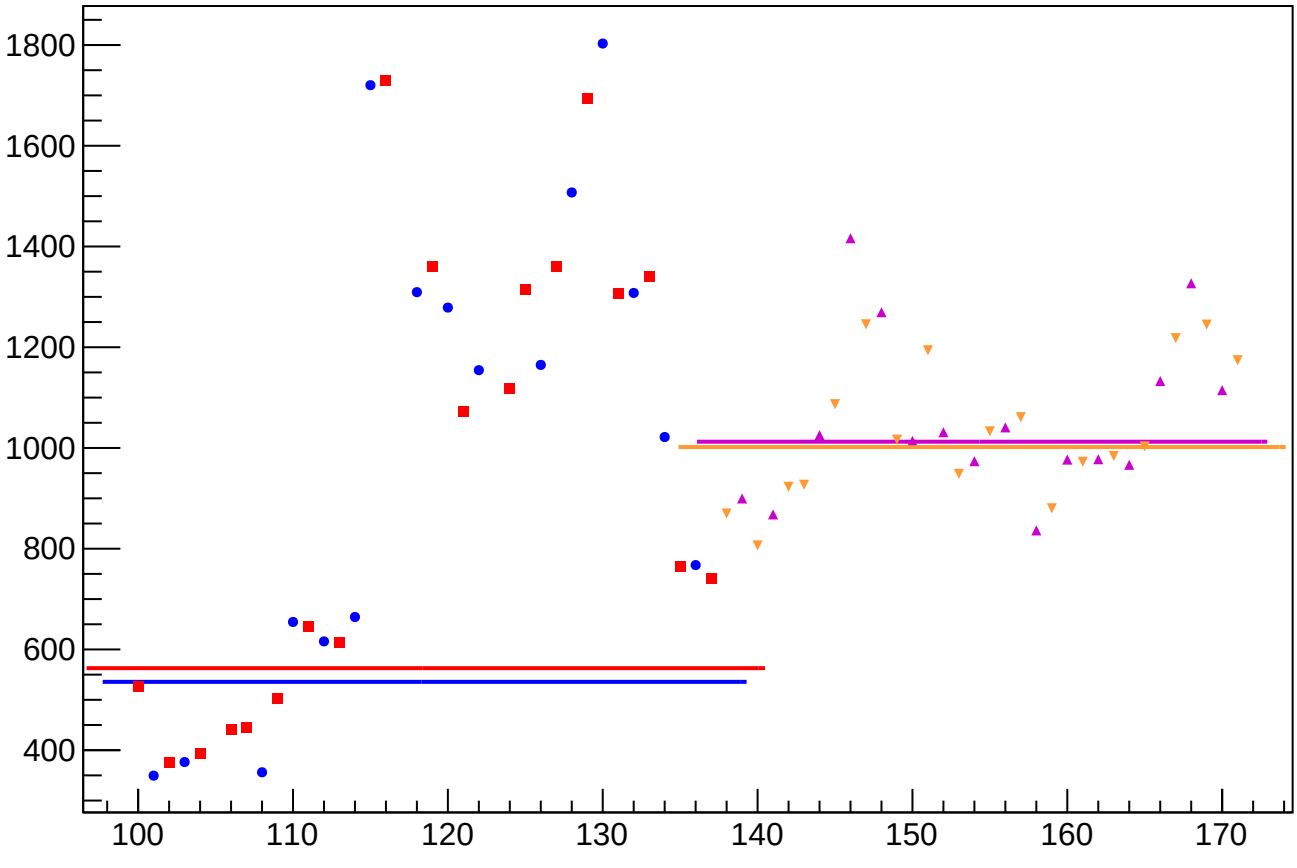
Left: 244.118+/-194.300 χ^2/NDF: 56.3/33

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 205.614+/-178.503 χ^2/NDF:44.1/31

Out: 203.438+/-175.537 χ^2/NDF:45.1/36

All: 204.508+/-125.159 χ^2/NDF: 89.2/68



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: 1012.442+/-0.199 χ^2/NDF:500480.3/15

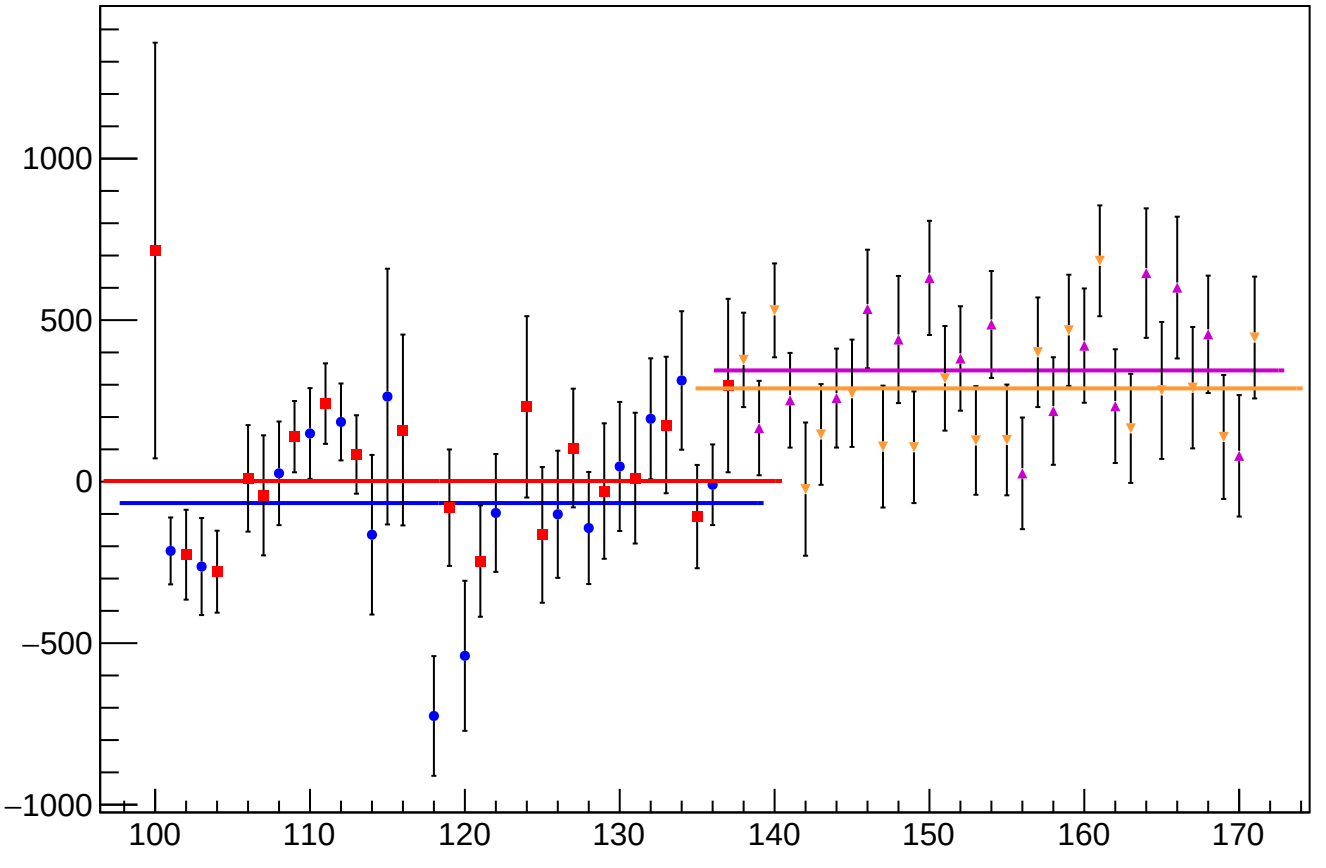
Left: 1006.880+/-0.137 χ^2/NDF: 963086.9/33

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 726.923+/-0.126 χ^2/NDF:7560184.3/31

Out: 750.859+/-0.124 χ^2/NDF:6635019.2/36

All: 739.092+/-0.089 χ^2/NDF: 14213484.6/68



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: 344.344+/-43.181 χ^2/NDF:17.5/15

Left: 314.804+/-29.568 χ^2/NDF: 37.1/33

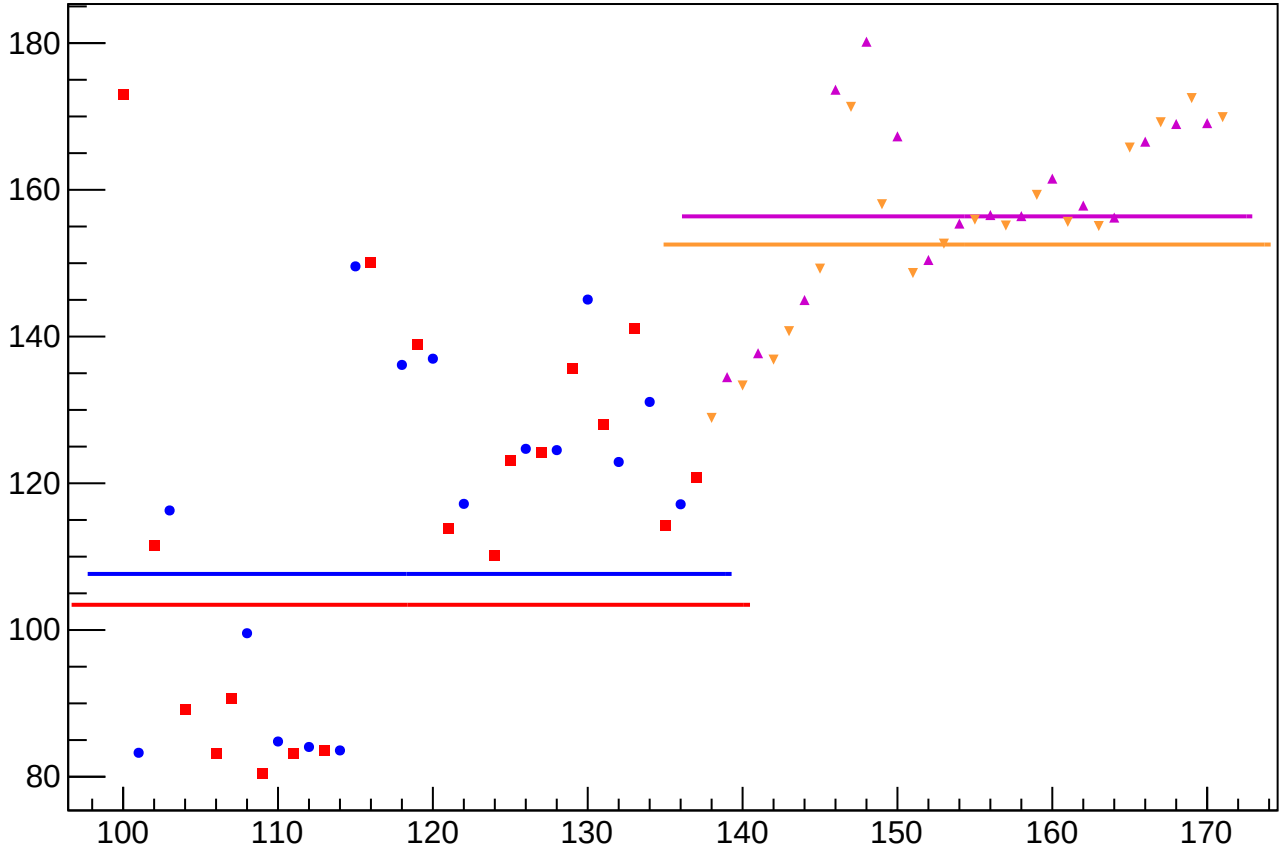
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 128.097+/-29.709 χ^2/NDF:99.5/31

Out: 139.506+/-28.092 χ^2/NDF:65.9/36

All: 134.120+/-20.412 χ^2/NDF: 165.5/68

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: 156.384+/-0.031 χ^2/NDF:170680.3/15

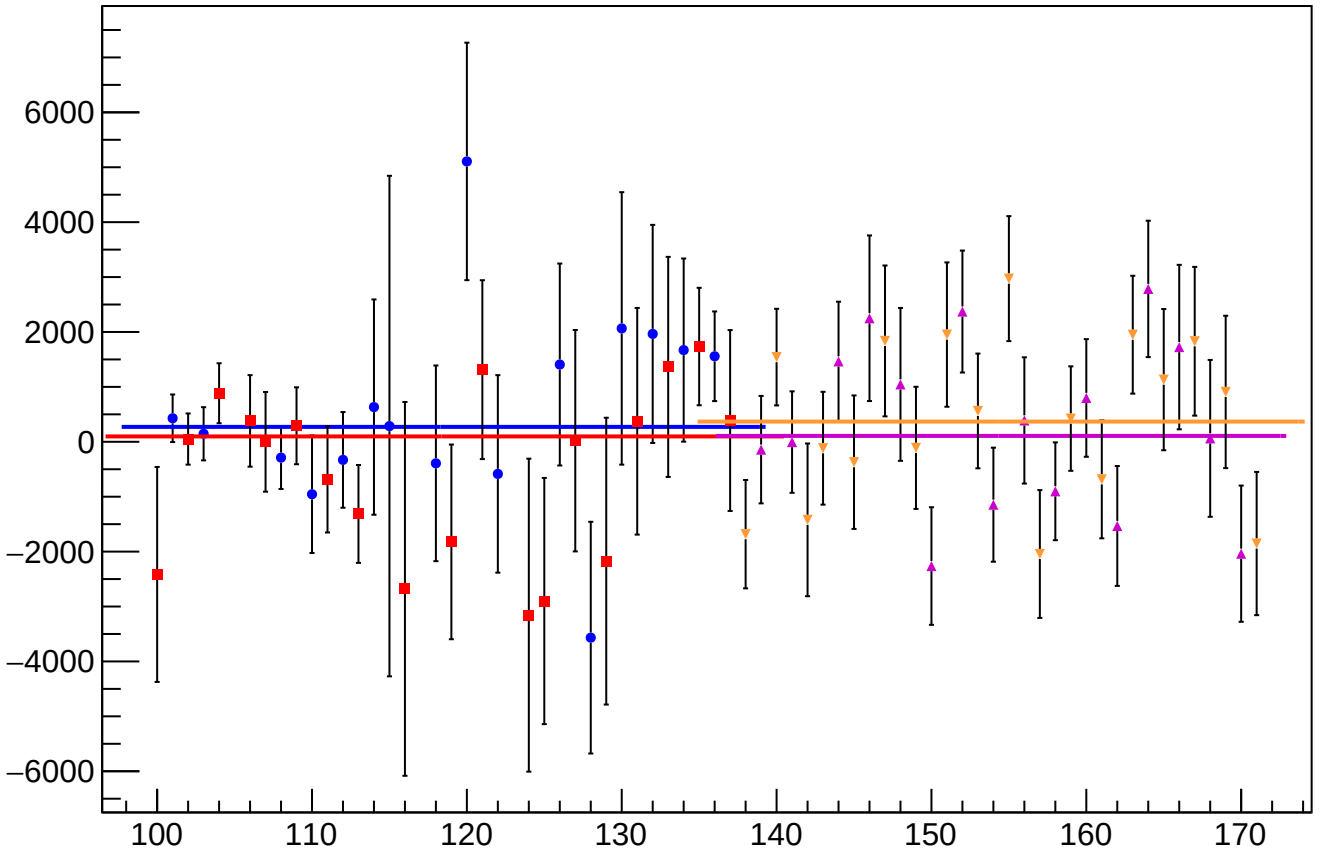
Left: 154.344+/-0.021 χ^2/NDF: 380655.8/33

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 130.714+/-0.021 χ^2/NDF:2045435.6/31

Out: 126.982+/-0.020 χ^2/NDF:2351525.7/36

All: 128.744+/-0.014 χ^2/NDF: 4413630.3/68



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: 107.240+/-281.841 χ^2/NDF:27.4/15

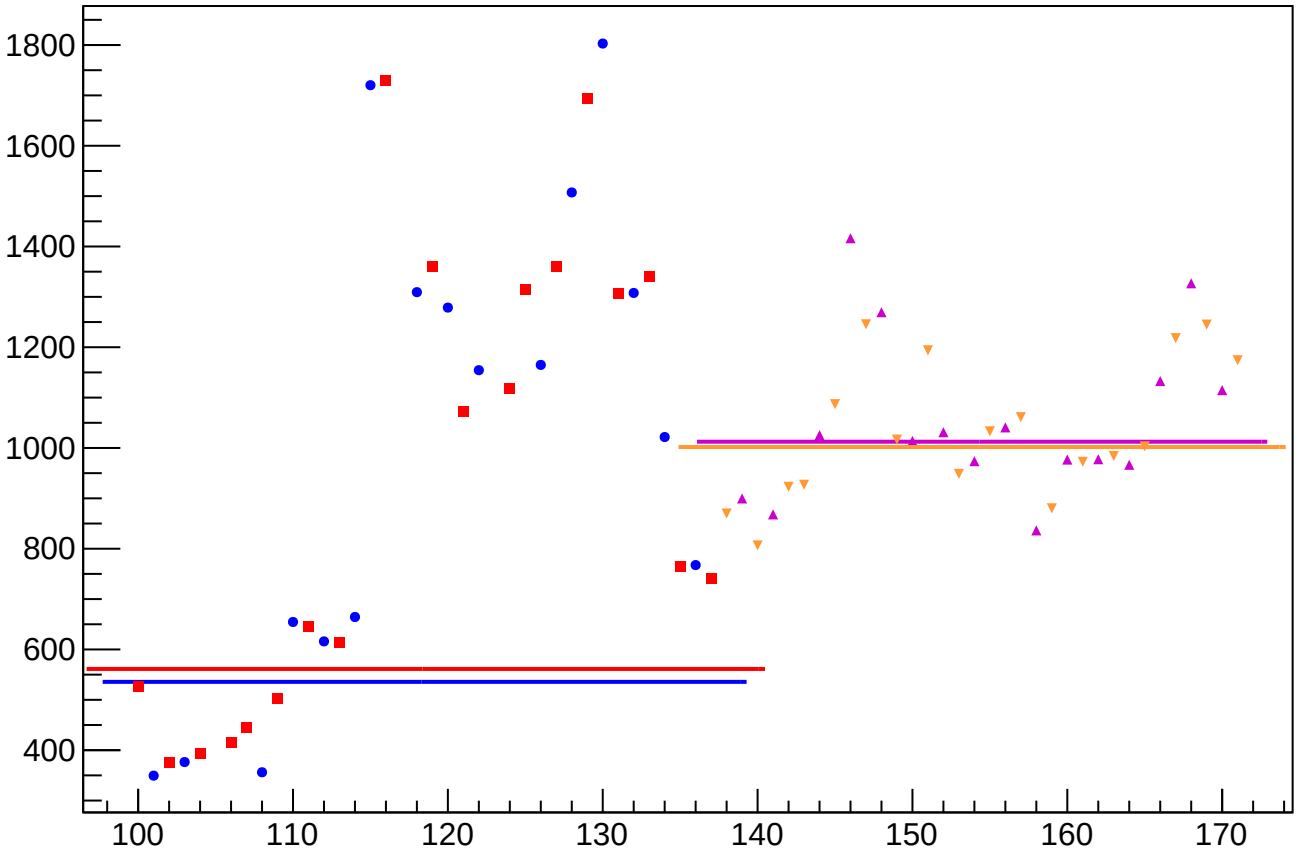
Left: 244.120+/-194.300 χ^2/NDF: 56.3/33

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 205.700+/-178.499 χ^2/NDF:44.1/31

Out: 213.946+/-175.807 χ^2/NDF:45.1/36

All: 209.886+/-125.256 χ^2/NDF: 89.2/68



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: 1012.442+/-0.199 χ^2/NDF:500479.6/15

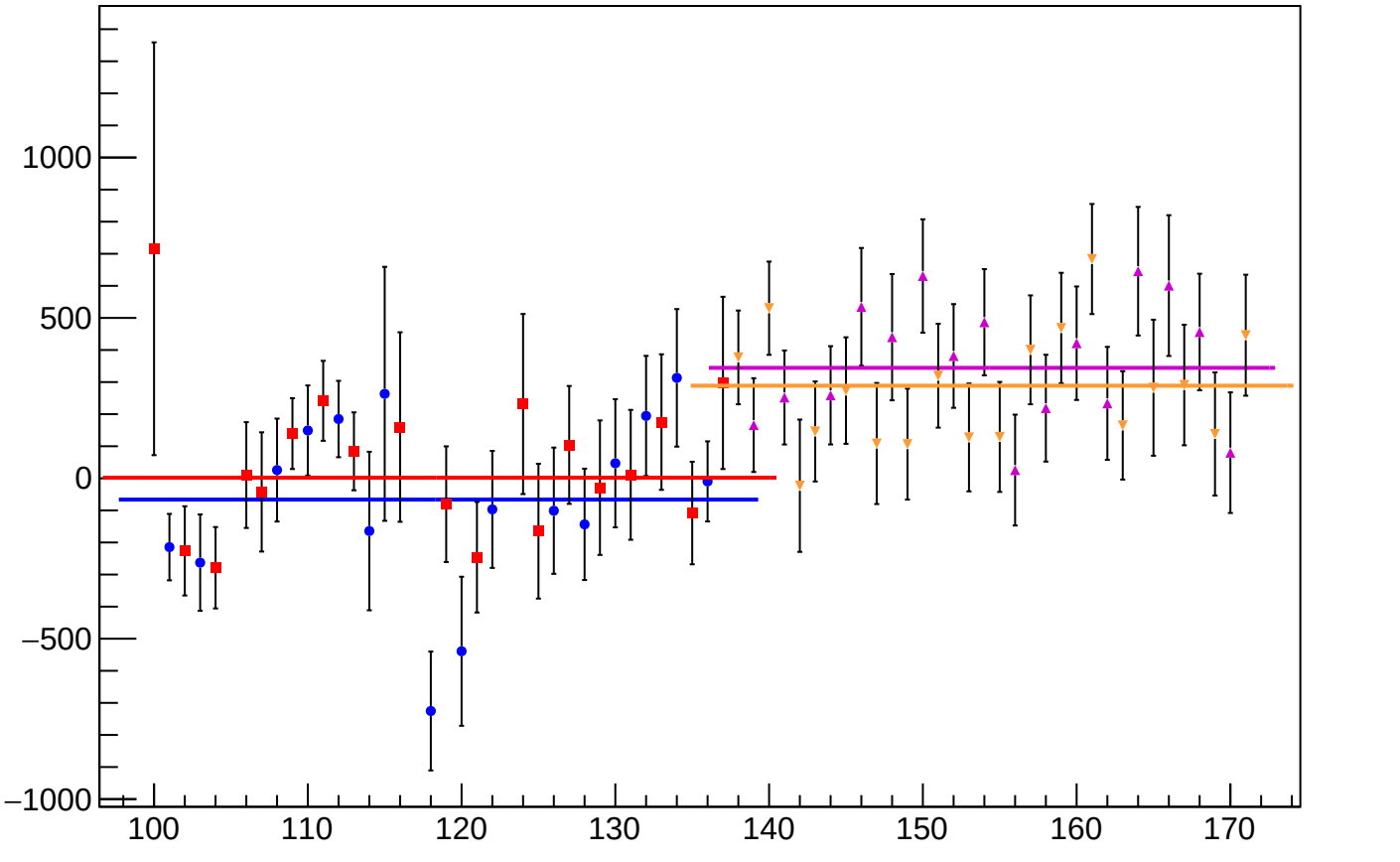
Left: 1006.880+/-0.137 χ^2/NDF: 963086.6/33

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 726.904+/-0.126 χ^2/NDF:7560785.3/31

Out: 750.540+/-0.124 χ^2/NDF:6669647.6/36

All: 738.901+/-0.089 χ^2/NDF: 14248233.8/68



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: 344.344+/-43.181 χ^2/NDF:17.5/15

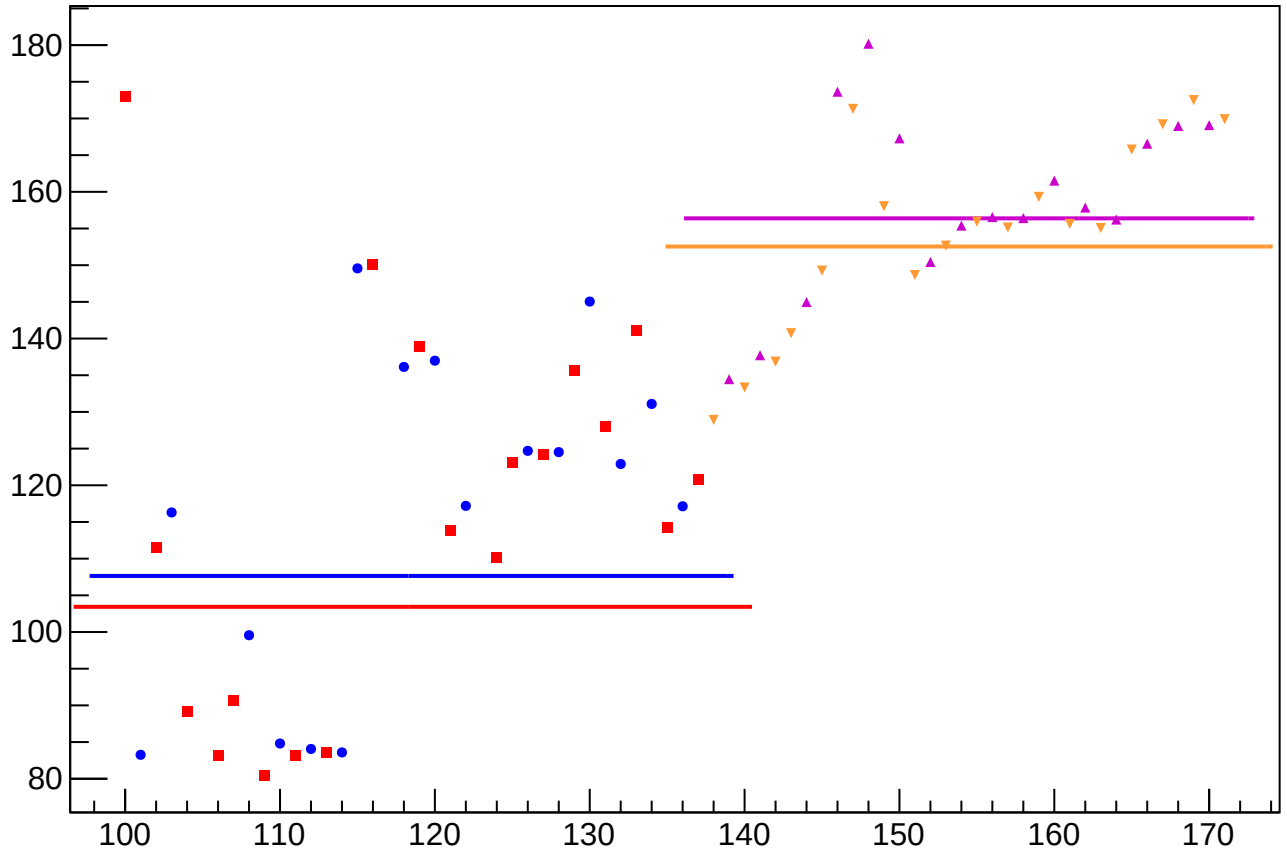
Left: 314.804+/-29.568 χ^2/NDF: 37.1/33

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 128.097+/-29.709 χ^2/NDF:99.5/31

Out: 139.506+/-28.092 χ^2/NDF:65.9/36

All: 134.120+/-20.412 χ^2/NDF: 165.5/68



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: 156.384+/-0.031 χ^2/NDF:170680.3/15

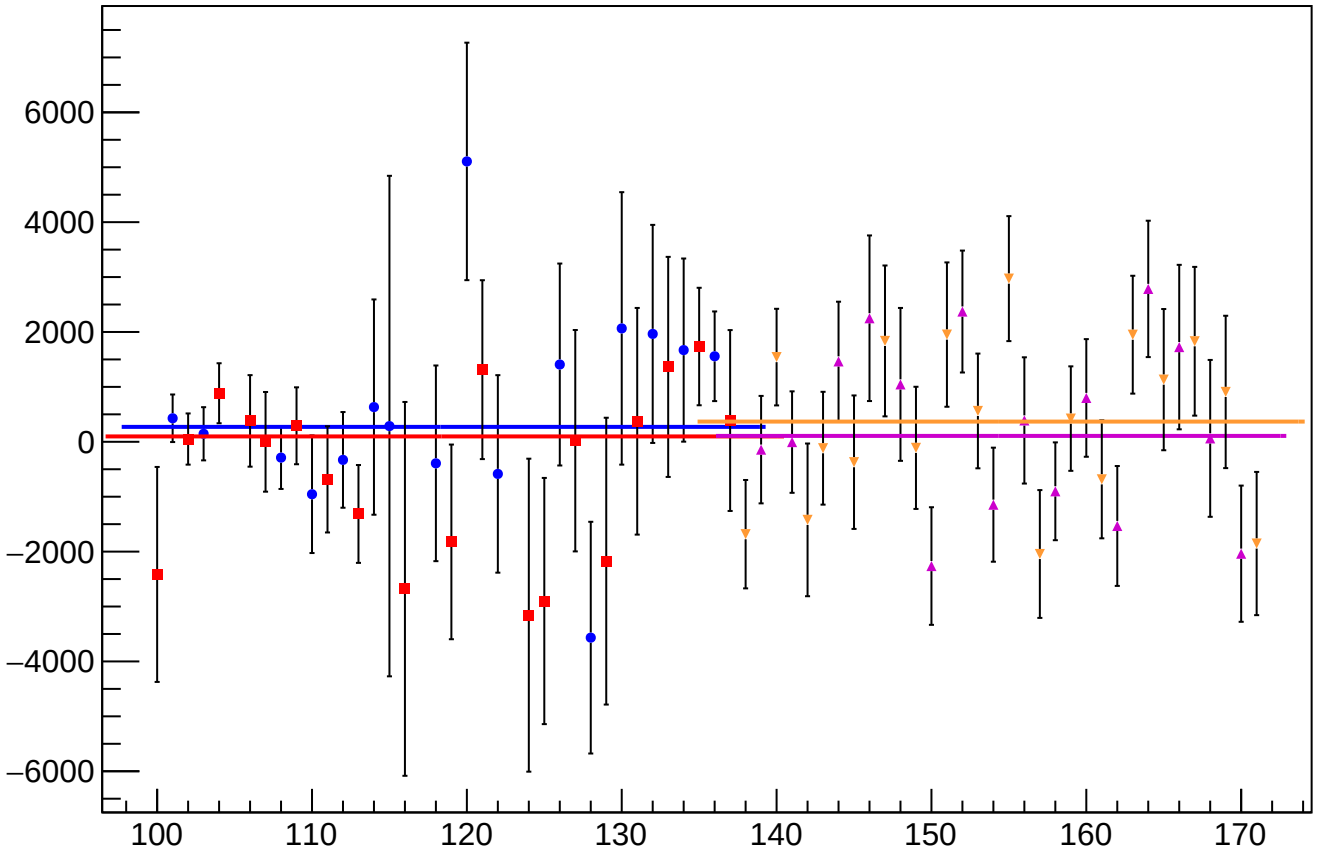
Left: 154.344+/-0.021 χ^2/NDF: 380655.8/33

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 130.714+/-0.021 χ^2/NDF:2045435.6/31

Out: 126.982+/-0.020 χ^2/NDF:2351525.7/36

All: 128.744+/-0.014 χ^2/NDF: 4413630.3/68



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: 107.240+/-281.841 χ^2/NDF:27.4/15

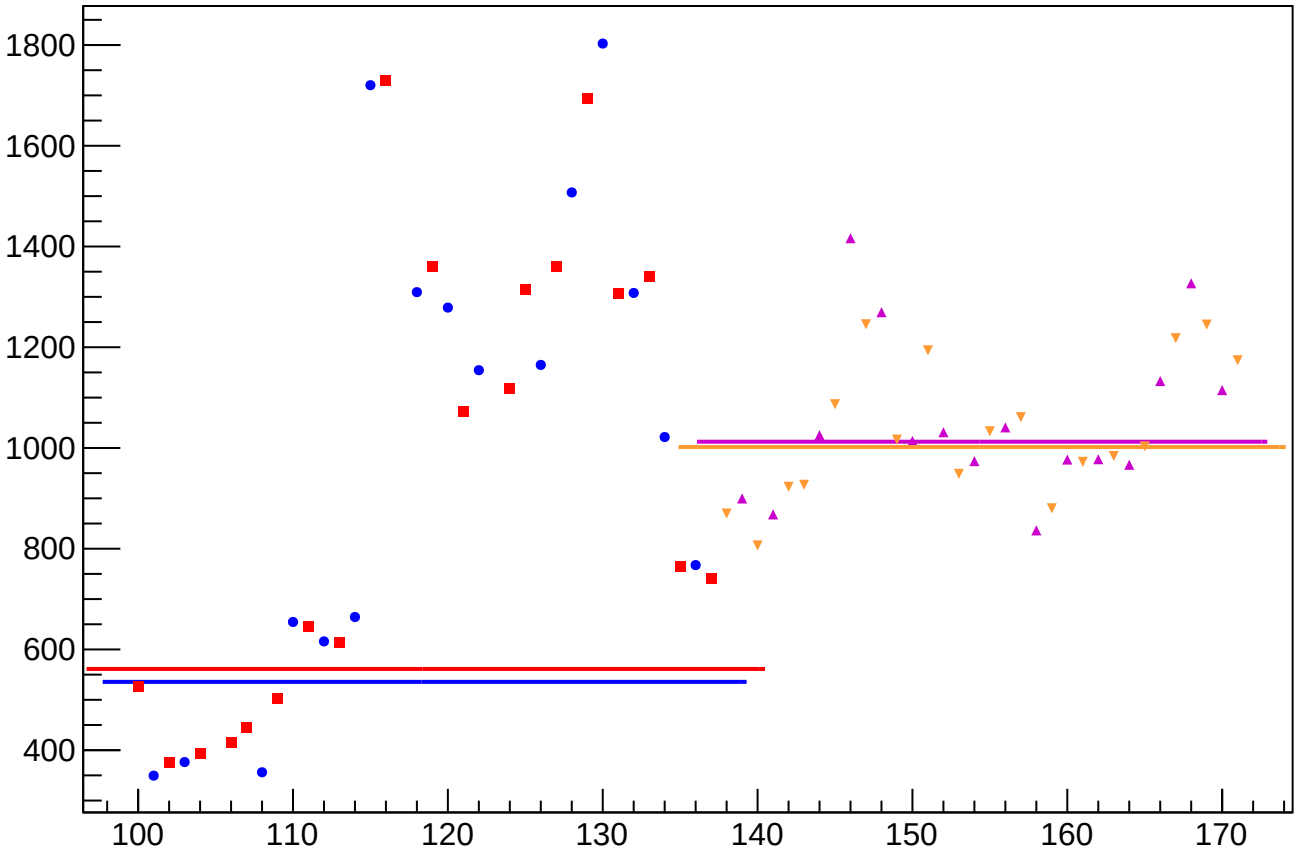
Left: 244.120+/-194.300 χ^2/NDF: 56.3/33

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 205.700+/-178.499 χ^2/NDF:44.1/31

Out: 213.946+/-175.807 χ^2/NDF:45.1/36

All: 209.886+/-125.256 χ^2/NDF: 89.2/68



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: 1012.442+/-0.199 χ^2/NDF:500479.6/15

Left: 1006.880+/-0.137 χ^2/NDF: 963086.6/33

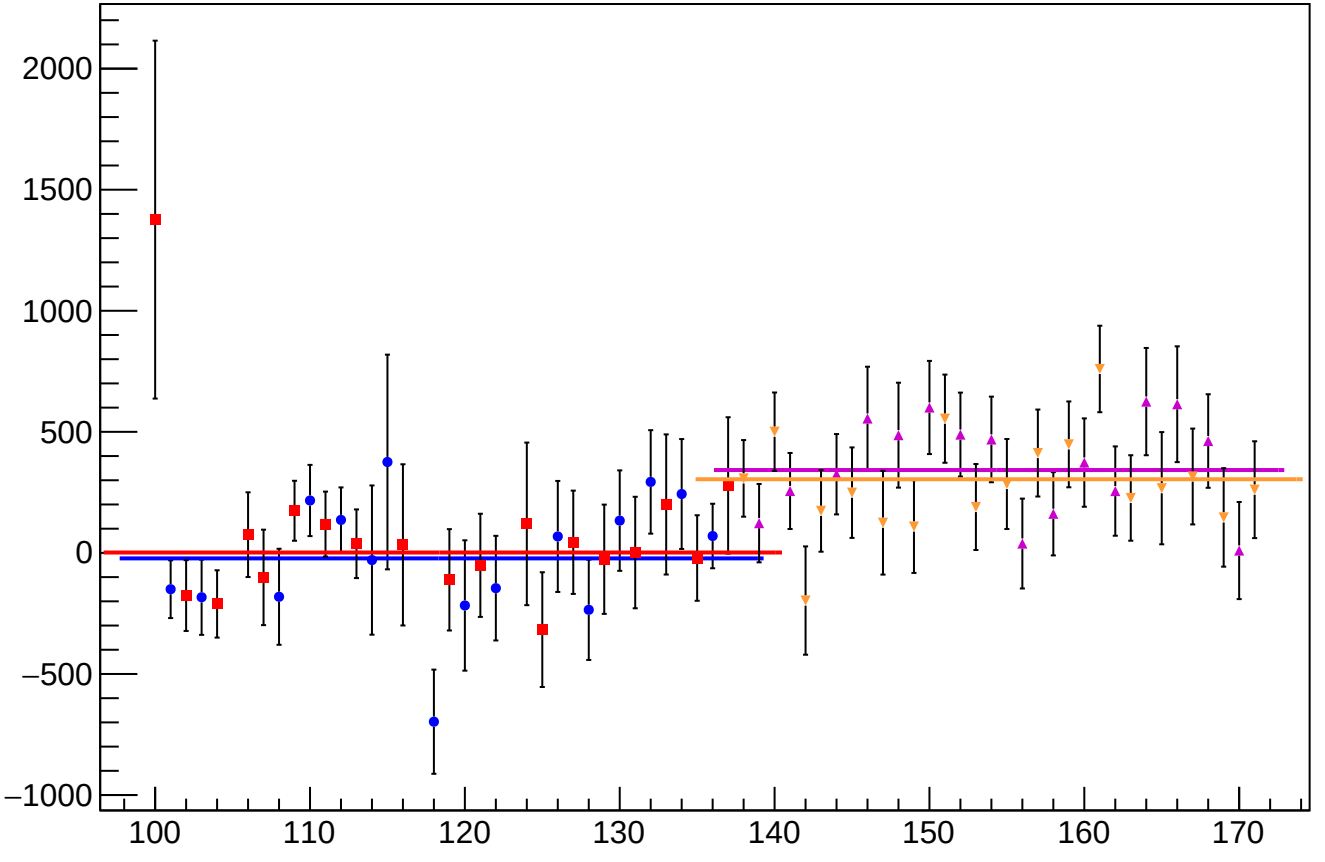
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 726.904+/-0.126 χ^2/NDF:7560785.3/31

Out: 750.540+/-0.124 χ^2/NDF:6669647.6/36

All: 738.901+/-0.089 χ^2/NDF: 14248233.8/68

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: 342.246+/-46.513 χ^2/NDF:16.7/15

Left: 322.071+/-31.885 χ^2/NDF: 36.7/33

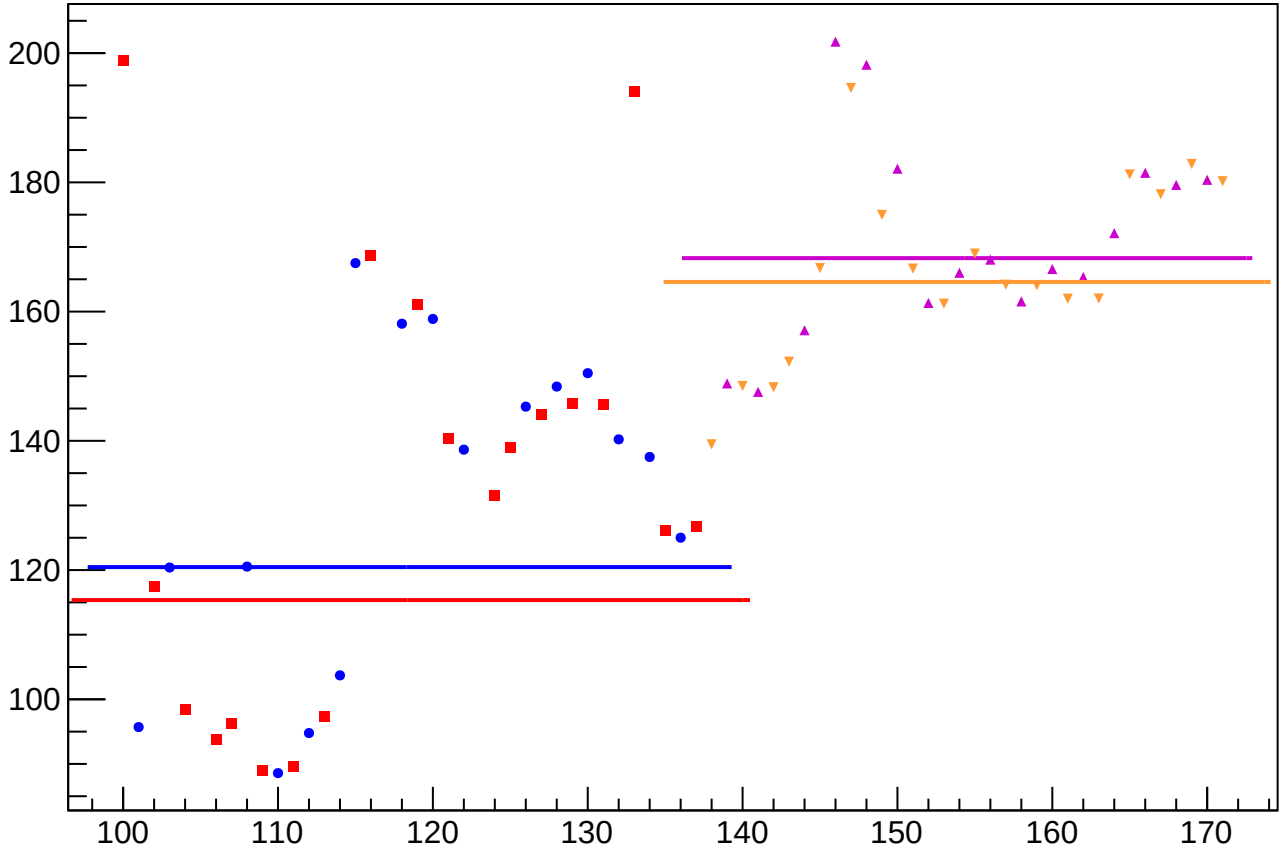
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 157.396+/-32.674 χ^2/NDF:72.1/31

Out: 152.088+/-30.885 χ^2/NDF:57.9/36

All: 154.593+/-22.445 χ^2/NDF: 130.0/68

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: 168.275+/-0.033 χ^2/NDF:198097.7/15

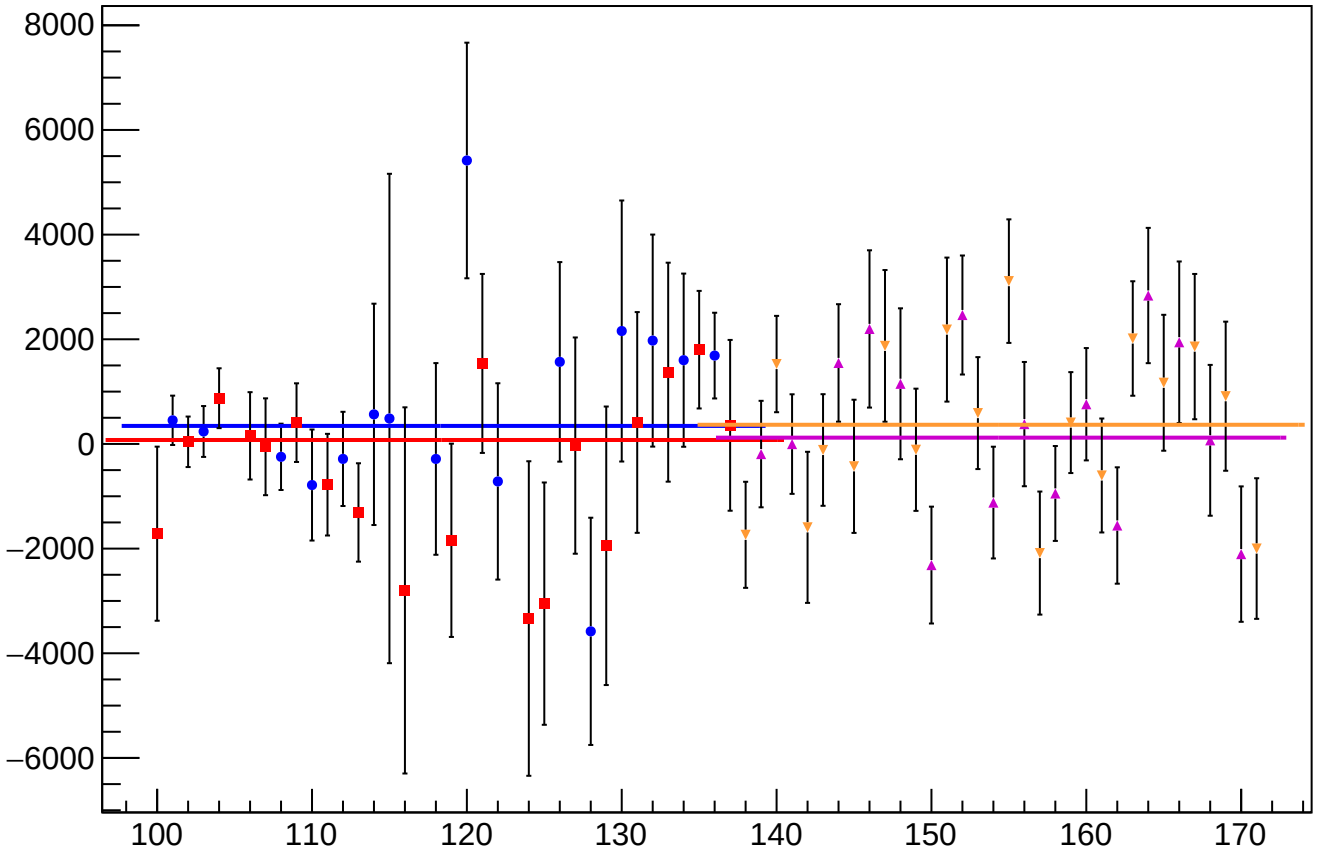
Left: 166.321+/-0.023 χ^2/NDF: 392640.0/33

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 144.054+/-0.023 χ^2/NDF:1799098.0/31

Out: 139.842+/-0.022 χ^2/NDF:2225561.3/36

All: 141.830+/-0.016 χ^2/NDF: 4042206.3/68



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: 120.153+/-289.400 χ^2/NDF:27.3/15

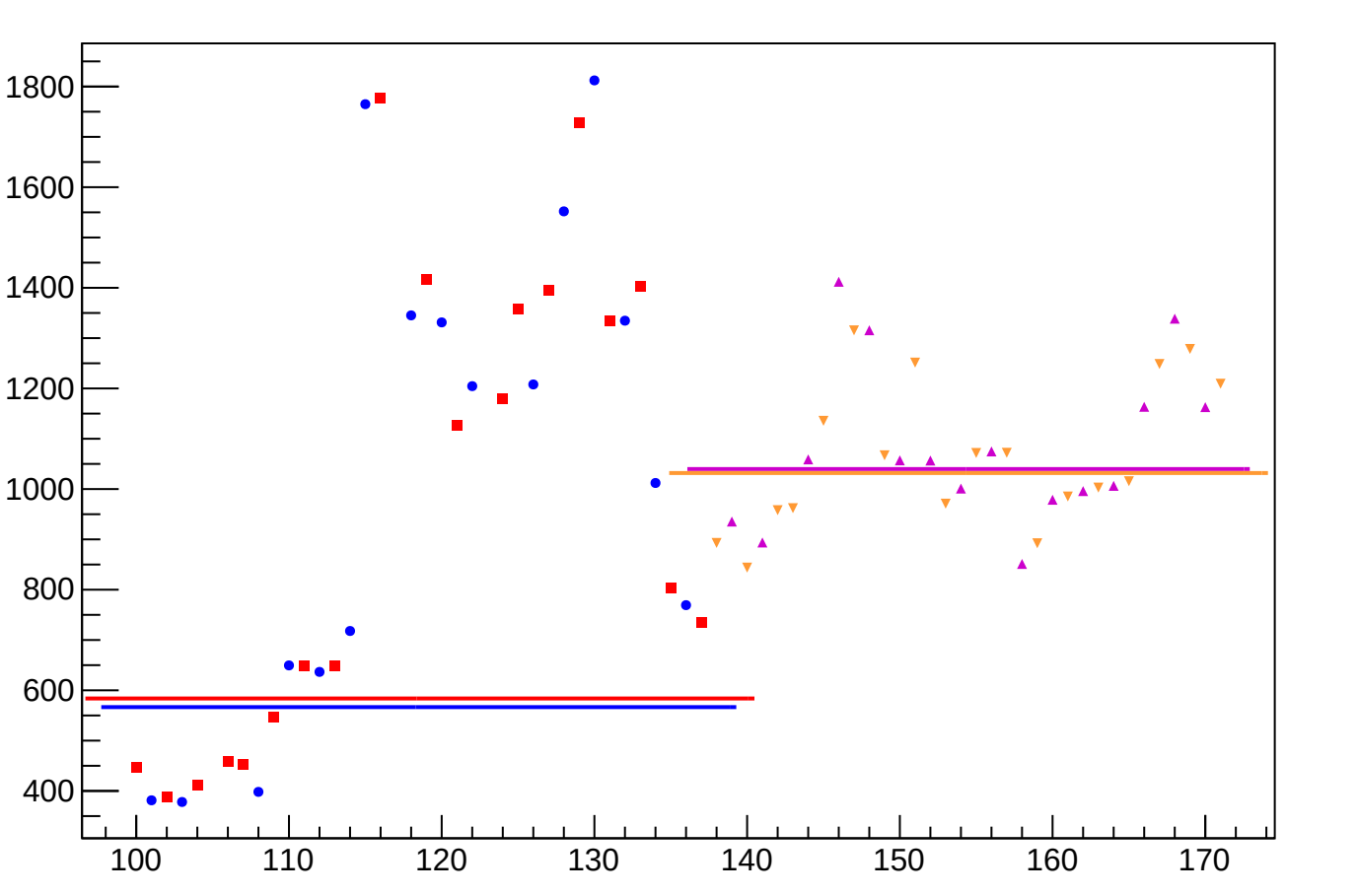
Left: 248.962+/-199.854 χ^2/NDF: 56.7/33

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 252.353+/-185.435 χ^2/NDF:43.9/31

Out: 200.829+/-181.403 χ^2/NDF:44.9/36

All: 226.025+/-129.673 χ^2/NDF: 88.8/68



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: 1039.790+/-0.205 χ^2/NDF:484237.5/15

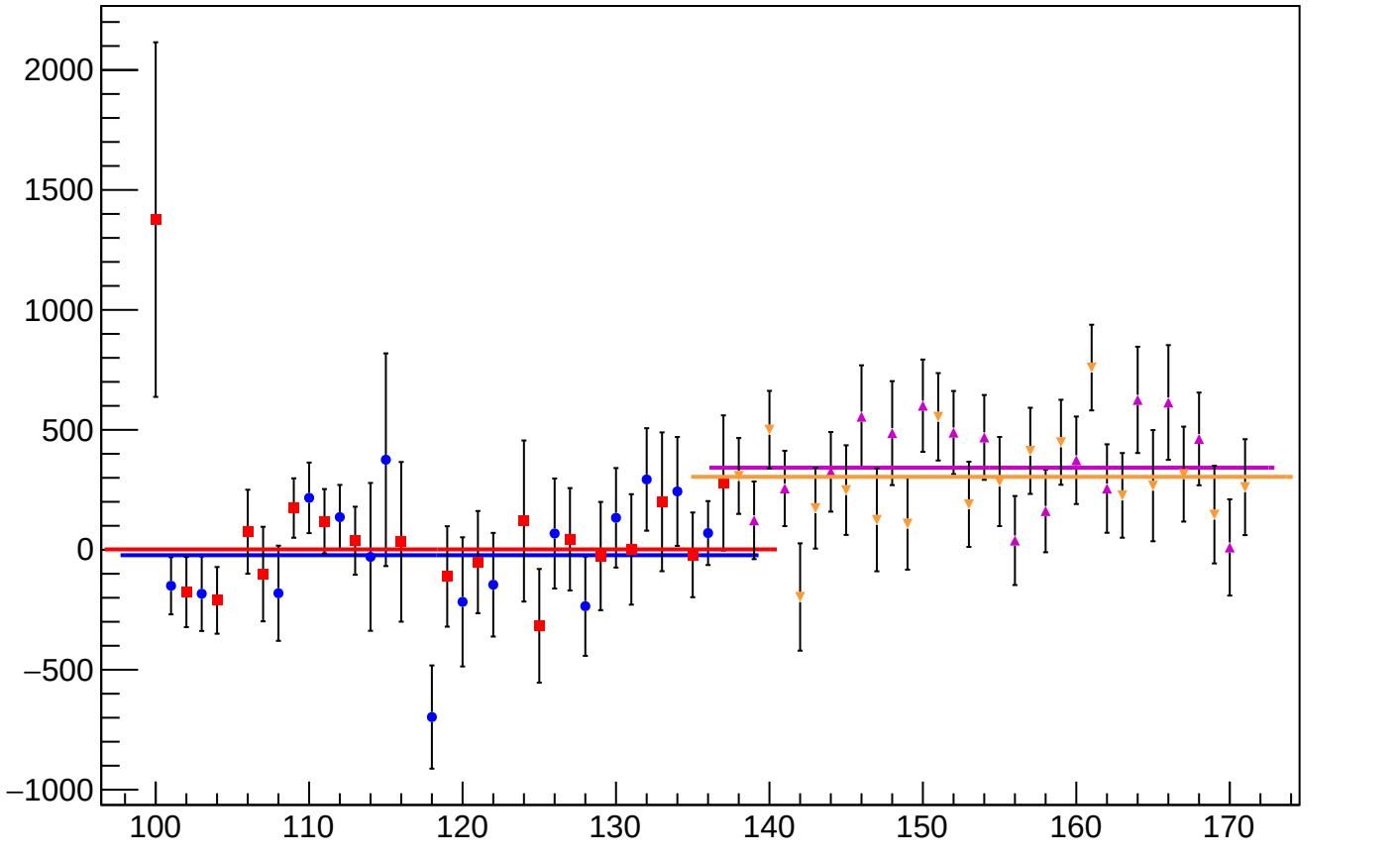
Left: 1035.655+/-0.141 χ^2/NDF: 964338.5/33

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

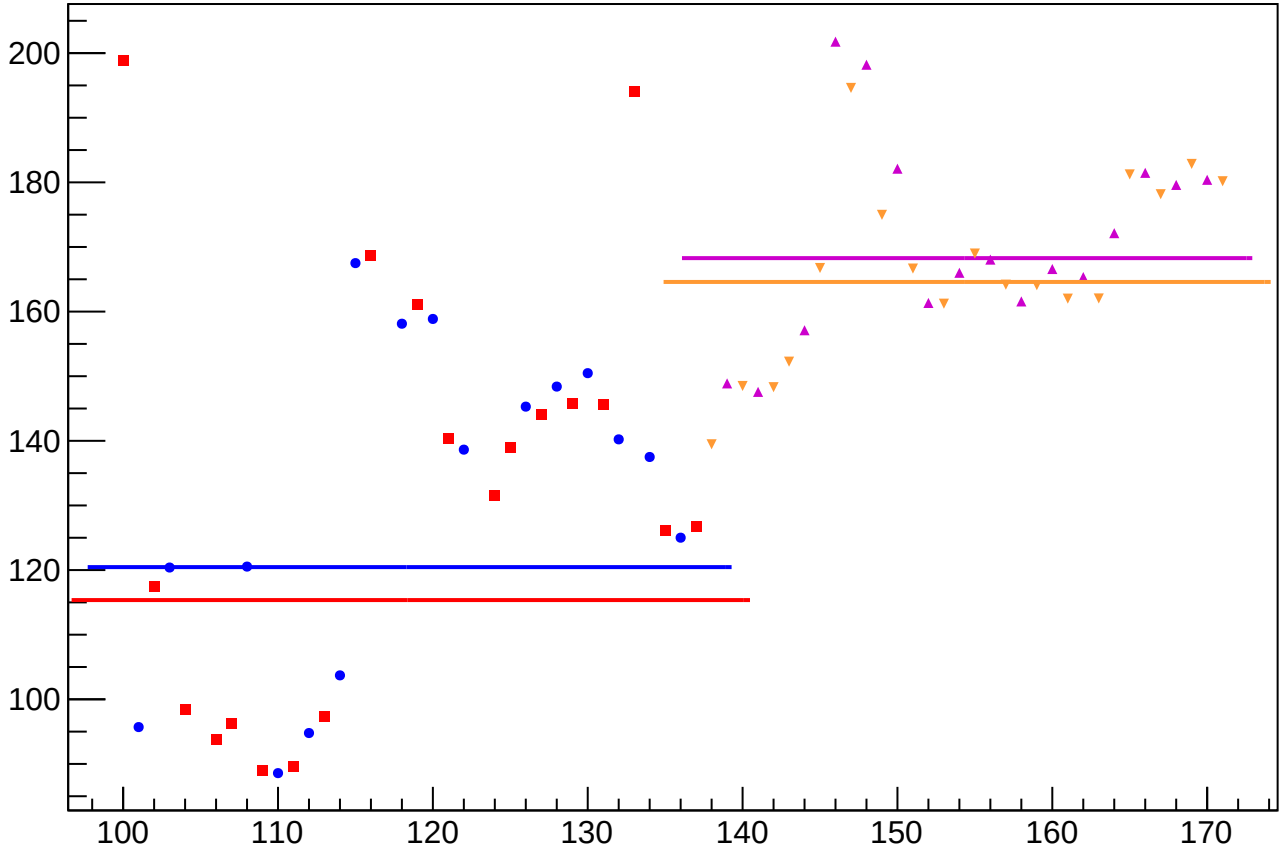
In: 760.879+/-0.131 χ^2/NDF:7068289.4/31

Out: 776.908+/-0.128 χ^2/NDF:6579485.2/36

All: 769.070+/-0.092 χ^2/NDF: 13655411.1/68


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 304.186+/-43.795 χ²/NDF:19.6/17
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 342.247+/-46.513 χ²/NDF:16.7/15
Left: 322.072+/-31.885 χ²/NDF: 36.7/33
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 157.396+/-32.674 χ²/NDF:72.1/31
Out: 152.089+/-30.885 χ²/NDF:57.9/36
All: 154.593+/-22.445 χ²/NDF: 130.0/68

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: 168.275+/-0.033 χ^2/NDF:198097.1/15

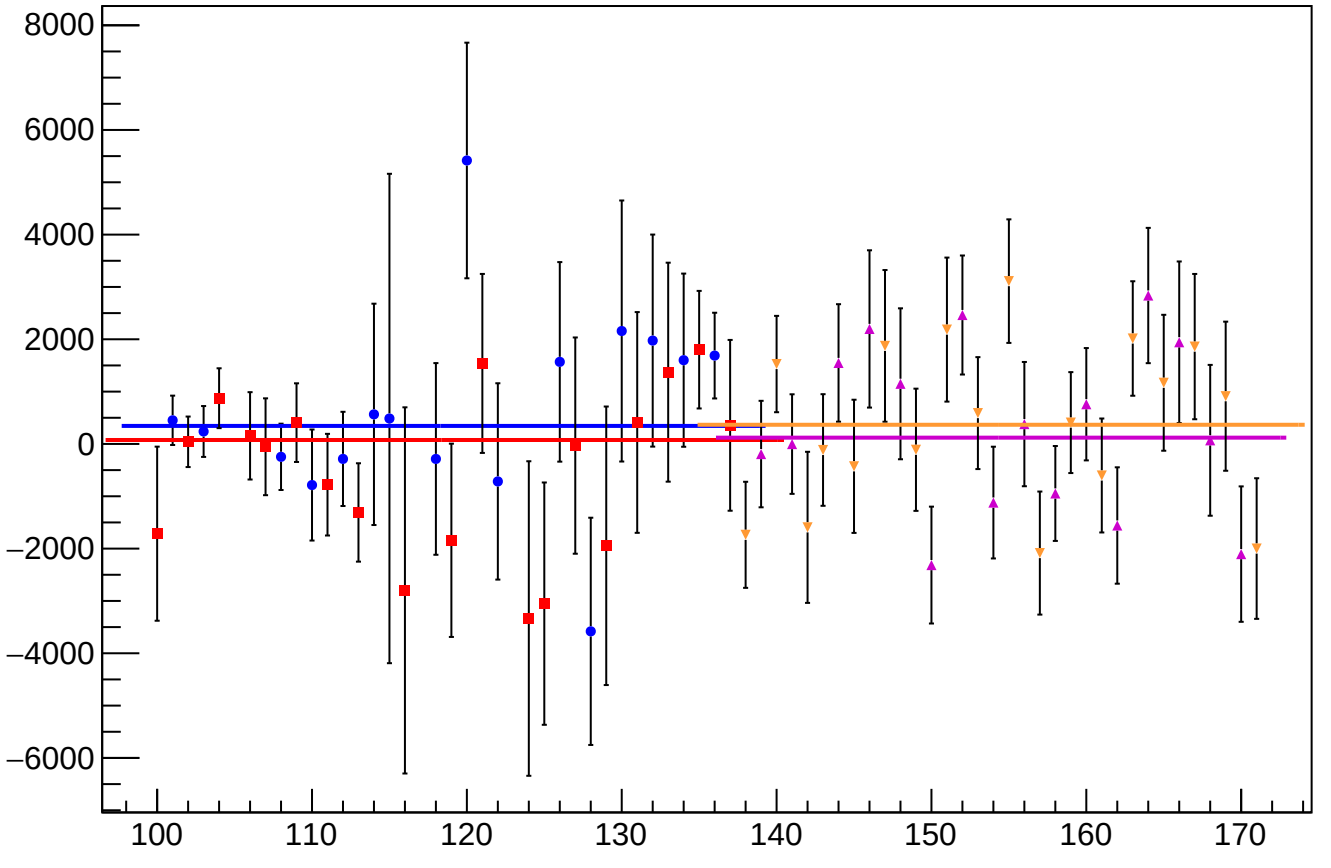
Left: 166.321+/-0.023 χ^2/NDF: 392638.6/33

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 144.053+/-0.023 χ^2/NDF:1799106.9/31

Out: 139.842+/-0.022 χ^2/NDF:2225561.9/36

All: 141.829+/-0.016 χ^2/NDF: 4042215.5/68



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: 120.153+/-289.400 χ^2/NDF:27.3/15

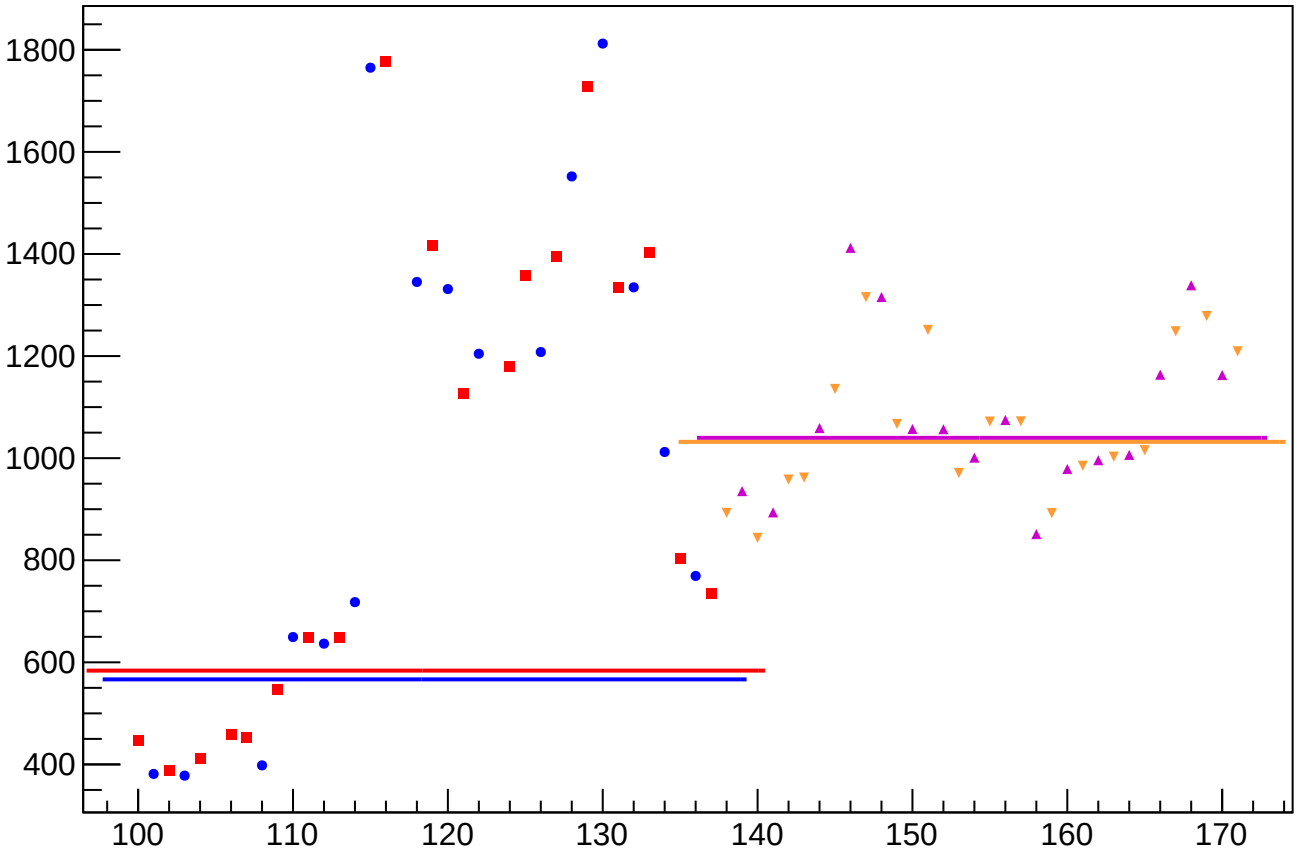
Left: 248.962+/-199.854 χ^2/NDF: 56.7/33

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 252.353+/-185.435 χ^2/NDF:43.9/31

Out: 200.830+/-181.403 χ^2/NDF:44.9/36

All: 226.026+/-129.673 χ^2/NDF: 88.8/68



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: 1039.790+/-0.205 χ^2/NDF:484240.5/15

Left: 1035.655+/-0.141 χ^2/NDF: 964344.2/33

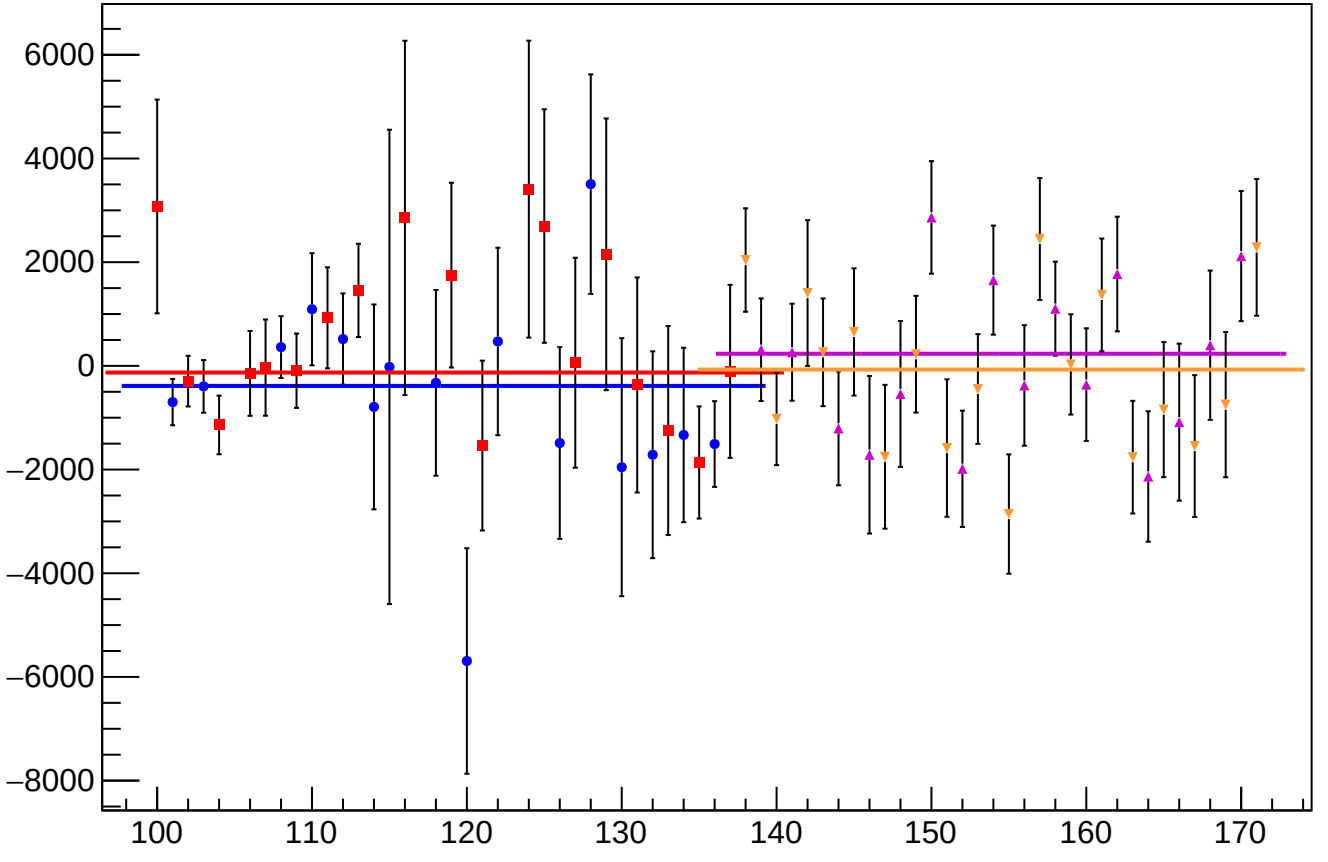
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 760.878+/-0.131 χ^2/NDF:7068307.1/31

Out: 776.908+/-0.128 χ^2/NDF:6579496.2/36

All: 769.069+/-0.092 χ^2/NDF: 13655440.0/68

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: 234.187+/-285.297 χ^2/NDF:25.3/15

Left: 73.920+/-196.643 χ^2/NDF: 55.6/33

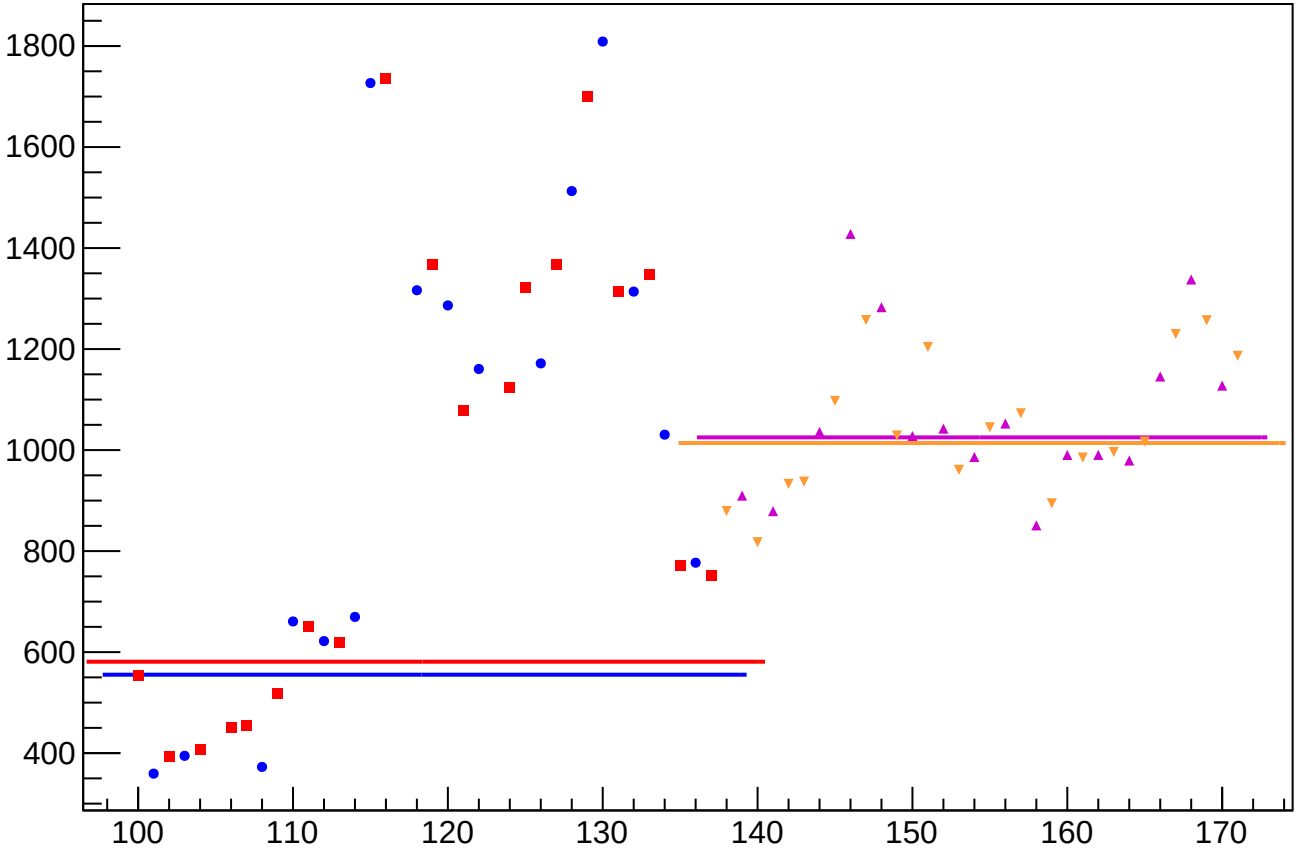
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -132.414+/-182.542 χ^2/NDF:46.0/31

Out: -103.580+/-179.048 χ^2/NDF:49.1/36

All: -117.719+/-127.823 χ^2/NDF: 95.1/68

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: 1025.167+/-0.202 χ^2/NDF:488937.7/15

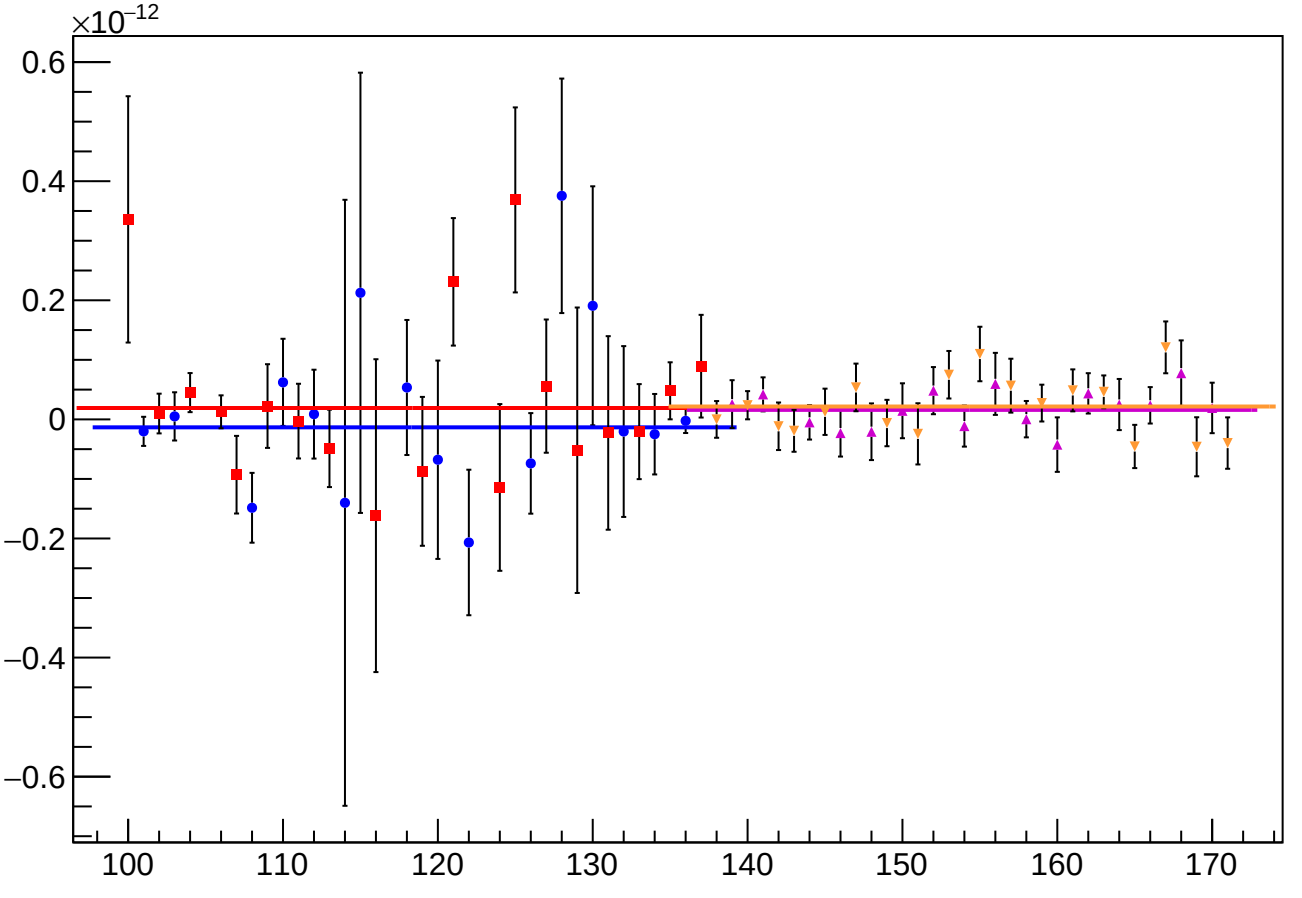
Left: 1019.306+/-0.139 χ^2/NDF: 942029.8/33

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 747.651+/-0.129 χ^2/NDF:7175570.8/31

Out: 769.433+/-0.127 χ^2/NDF:6310186.4/36

All: 758.753+/-0.090 χ^2/NDF: 13500272.1/68



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:8.9/15

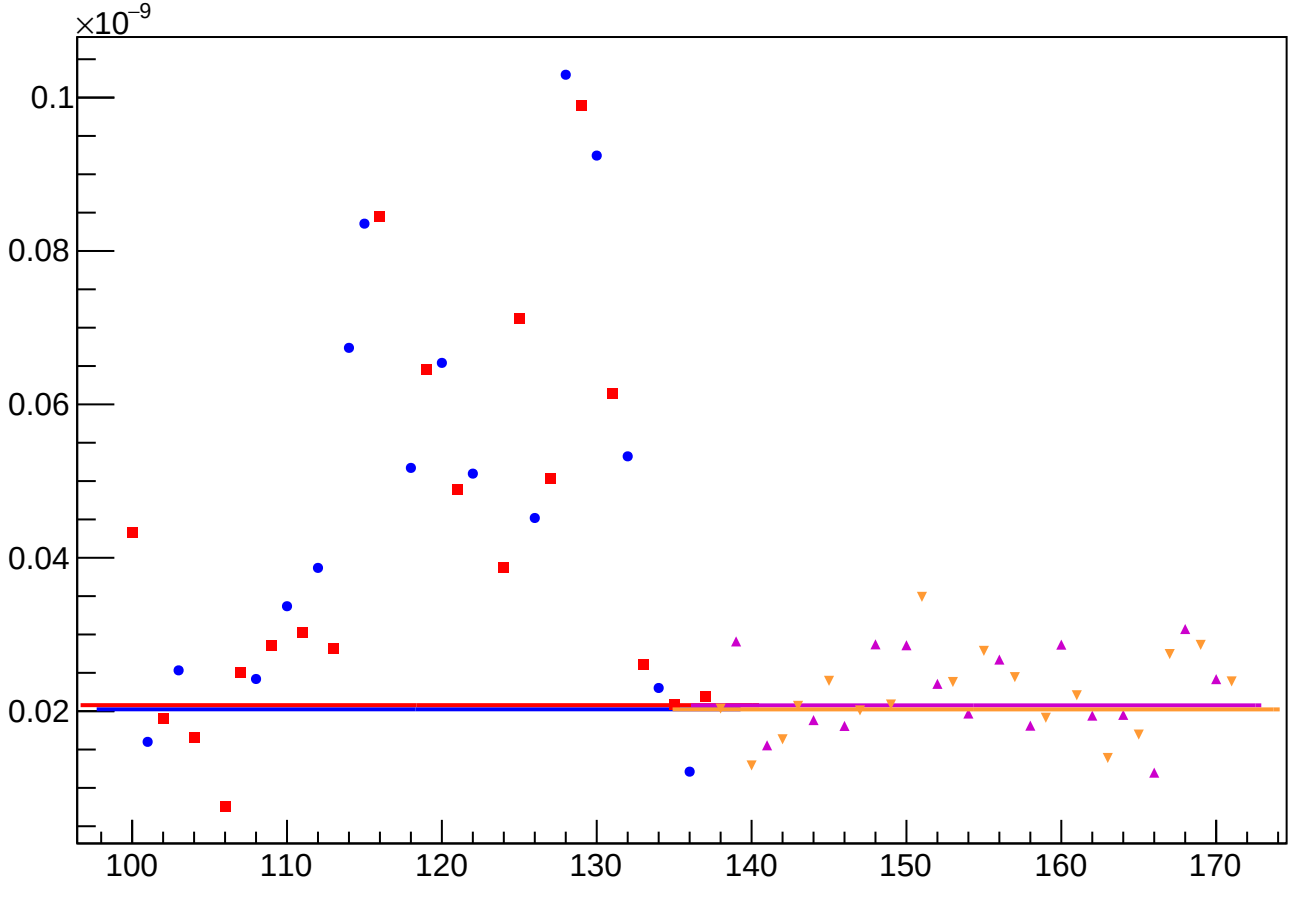
Left: 0.000+/-0.000 χ^2/NDF: 33.7/33

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/31

Out: 0.000+/-0.000 χ^2/NDF:44.5/36

All: 0.000+/-0.000 χ^2/NDF: 74.7/68



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:645042.1/15

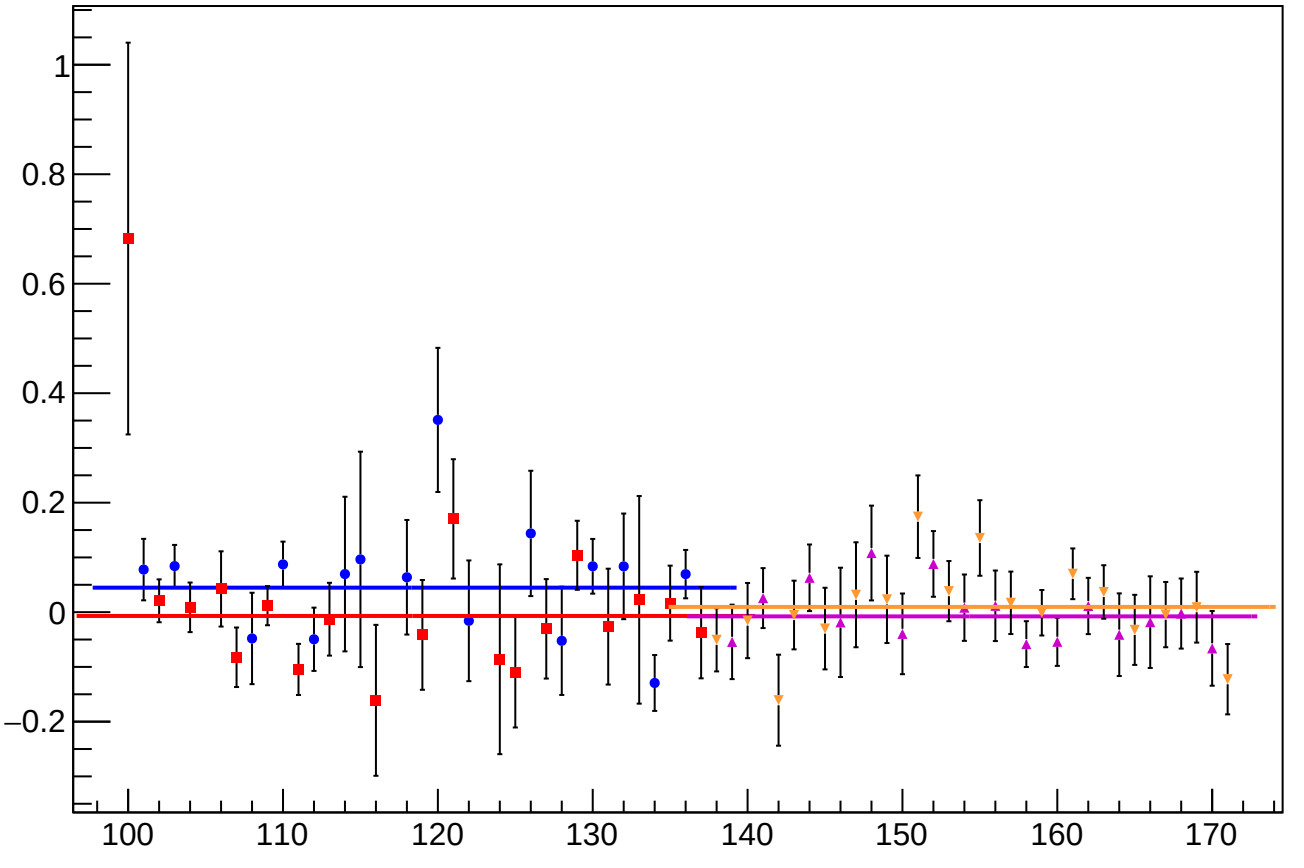
Left: 0.000+/-0.000 χ^2/NDF: 1385832.4/33

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2651787.8/31

Out: 0.000+/-0.000 χ^2/NDF:2595552.2/36

All: 0.000+/-0.000 χ^2/NDF: 5248030.9/68



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:10.5/15

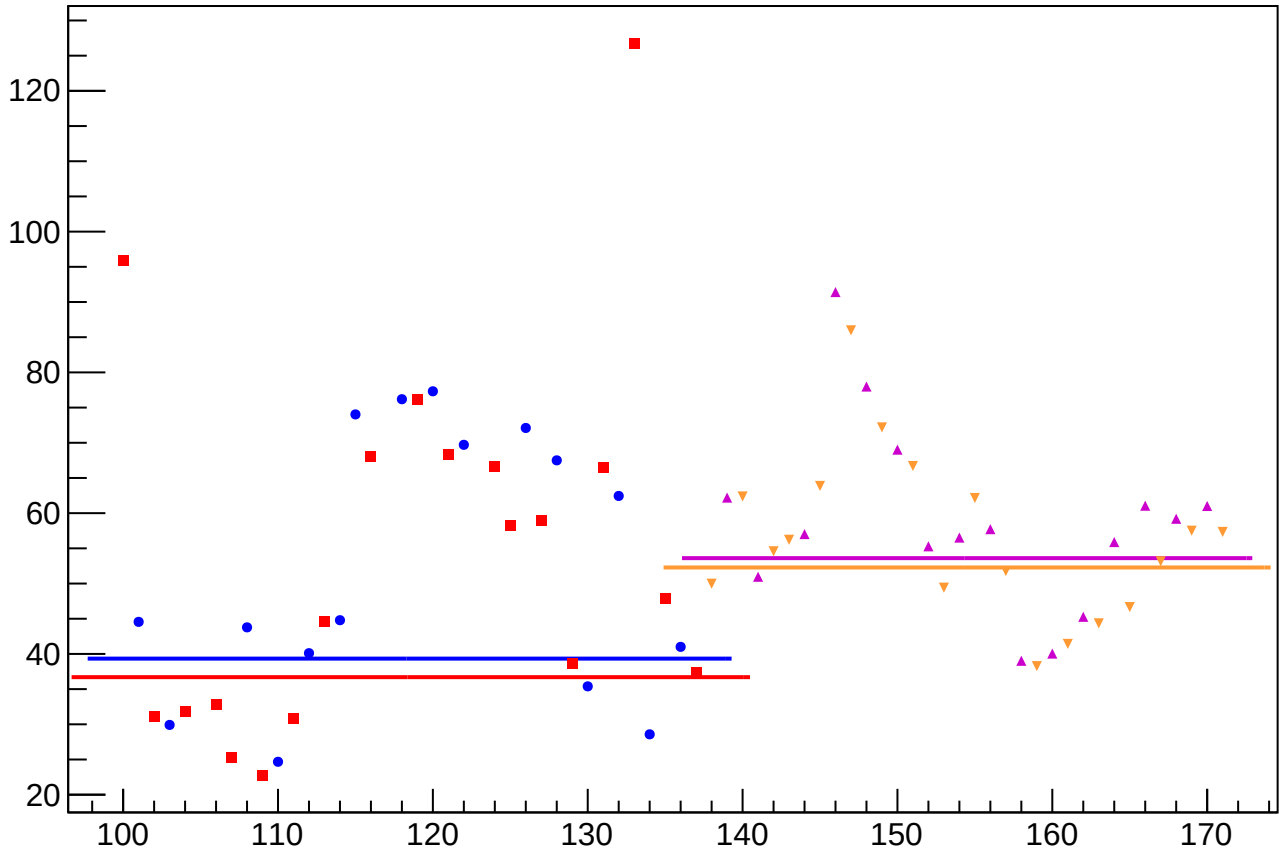
Left: 0.001+/-0.010 χ^2/NDF: 32.3/33

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.017+/-0.011 χ^2/NDF:42.8/31

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.6/68



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: 53.610+/-0.011 χ^2/NDF:1131317.9/15

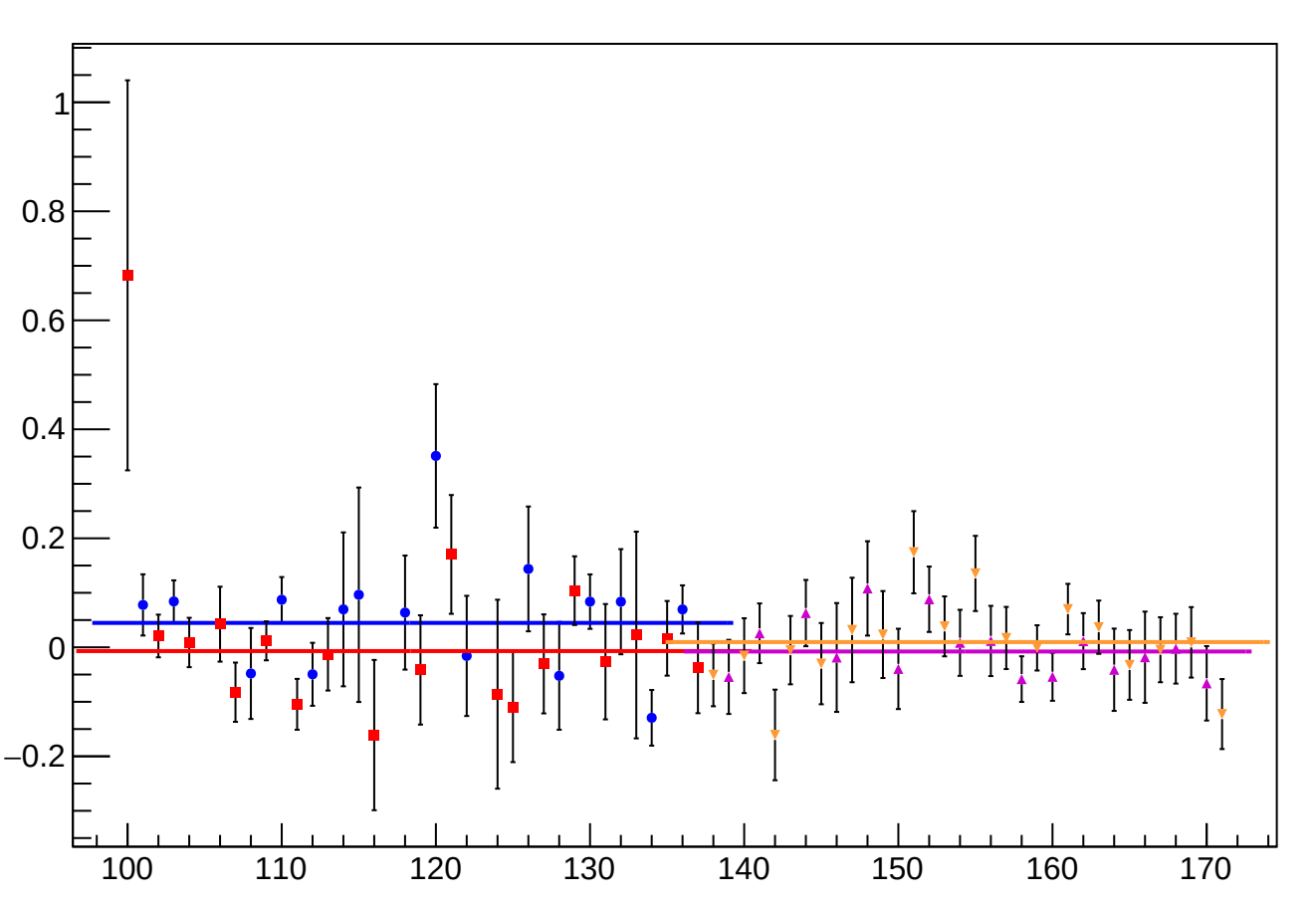
Left: 52.904+/-0.007 χ^2/NDF: 2166086.8/33

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.799+/-0.008 χ^2/NDF:3528059.7/31

Out: 44.890+/-0.007 χ^2/NDF:4241395.9/36

All: 45.786+/-0.005 χ^2/NDF: 7801046.8/68



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:10.5/15

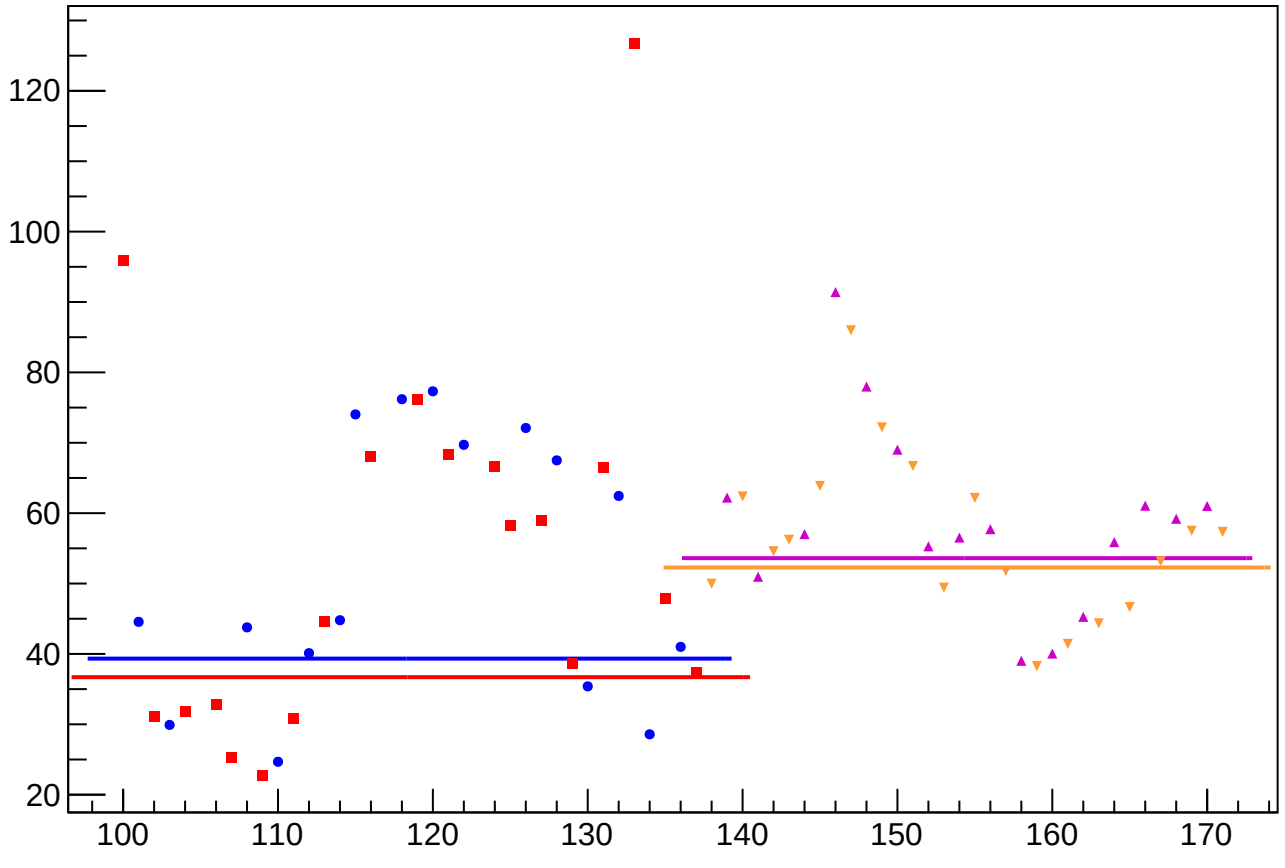
Left: 0.001+/-0.010 χ^2/NDF: 32.3/33

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.017+/-0.011 χ^2/NDF:42.8/31

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.6/68



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: 53.610+/-0.011 χ^2/NDF:1131317.9/15

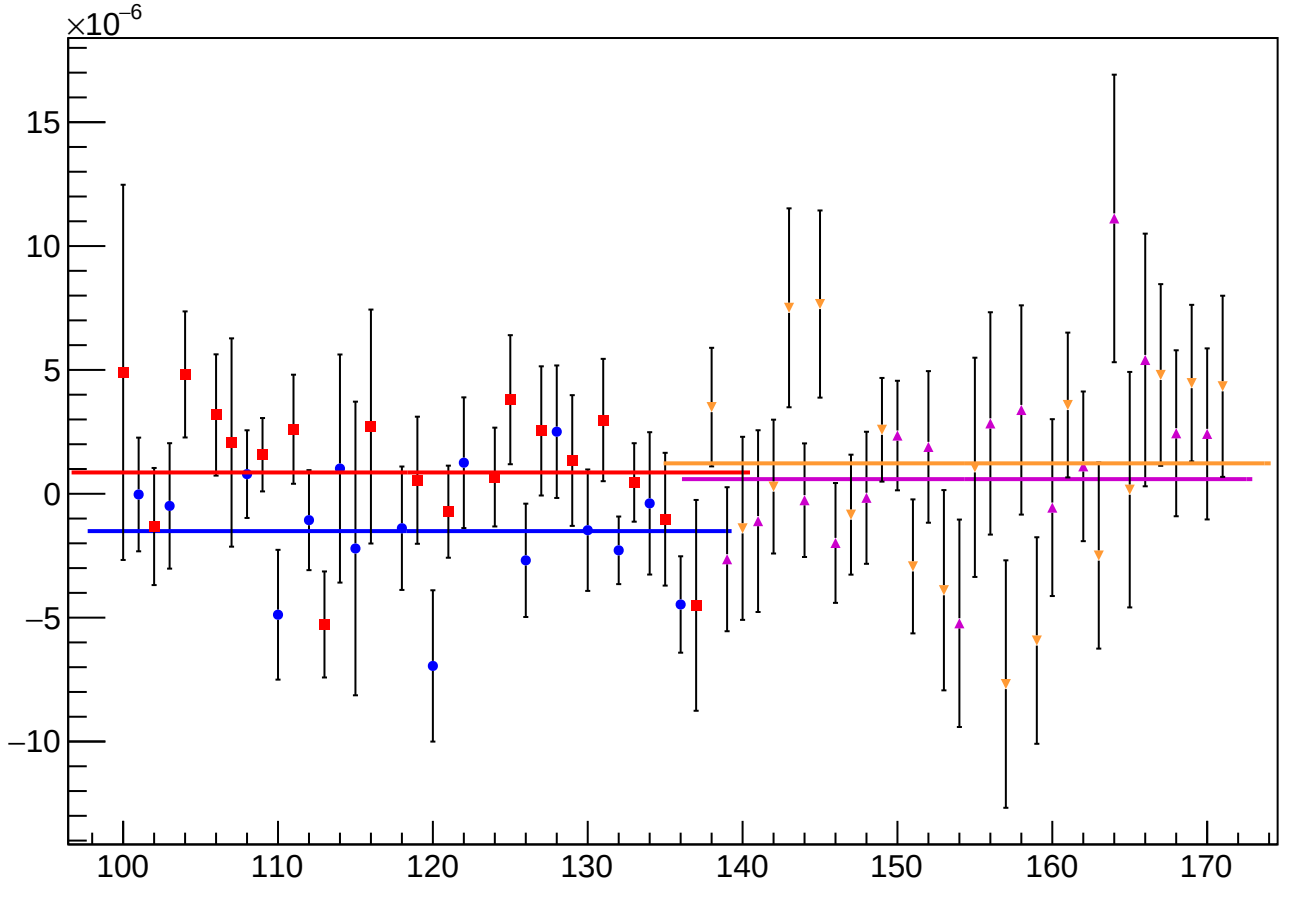
Left: 52.904+/-0.007 χ^2/NDF: 2166086.8/33

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 46.799+/-0.008 χ^2/NDF:3528059.7/31

Out: 44.890+/-0.007 χ^2/NDF:4241395.9/36

All: 45.786+/-0.005 χ^2/NDF: 7801046.8/68



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:11.1/15

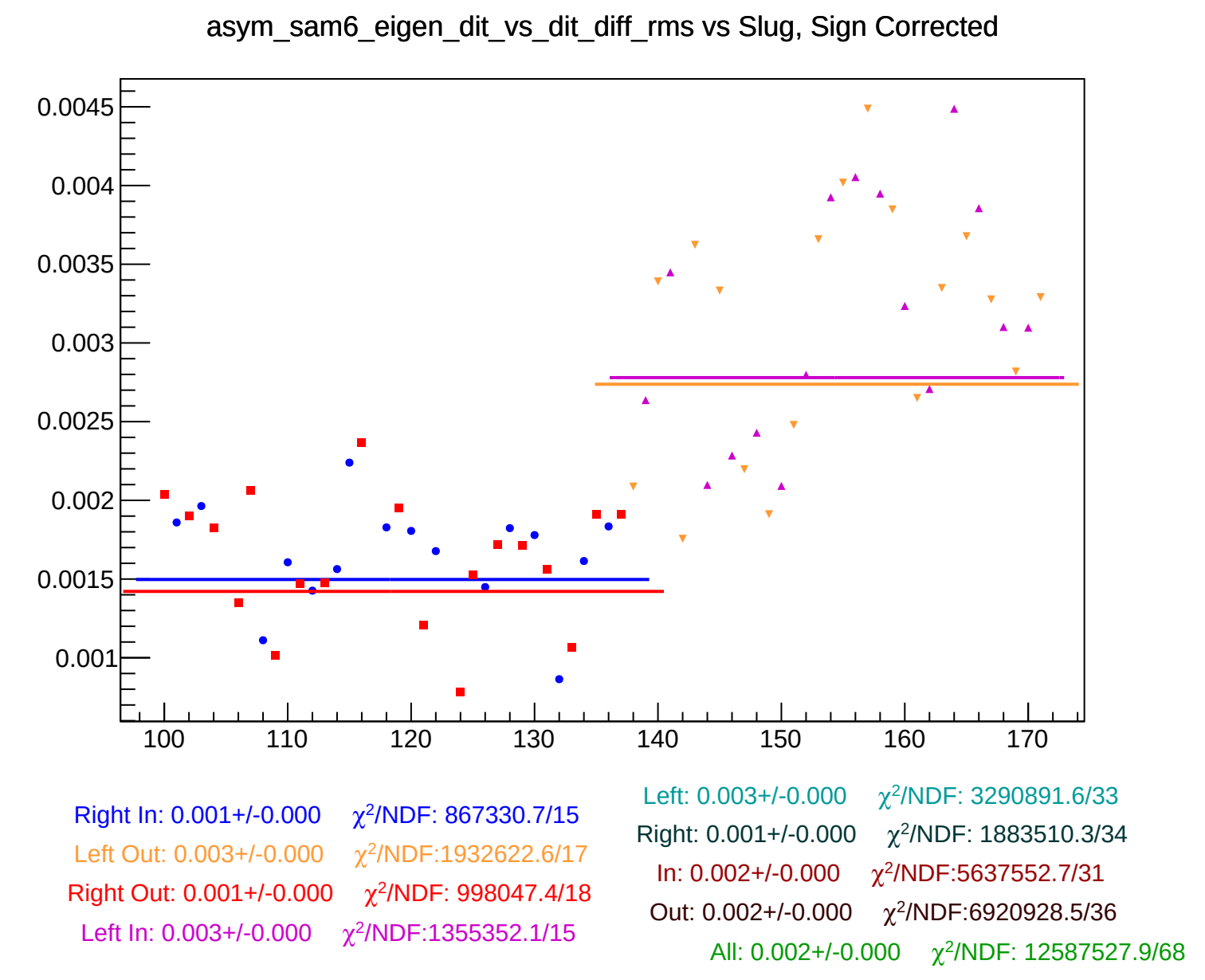
Left: 0.000+/-0.000 χ^2/NDF: 34.0/33

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

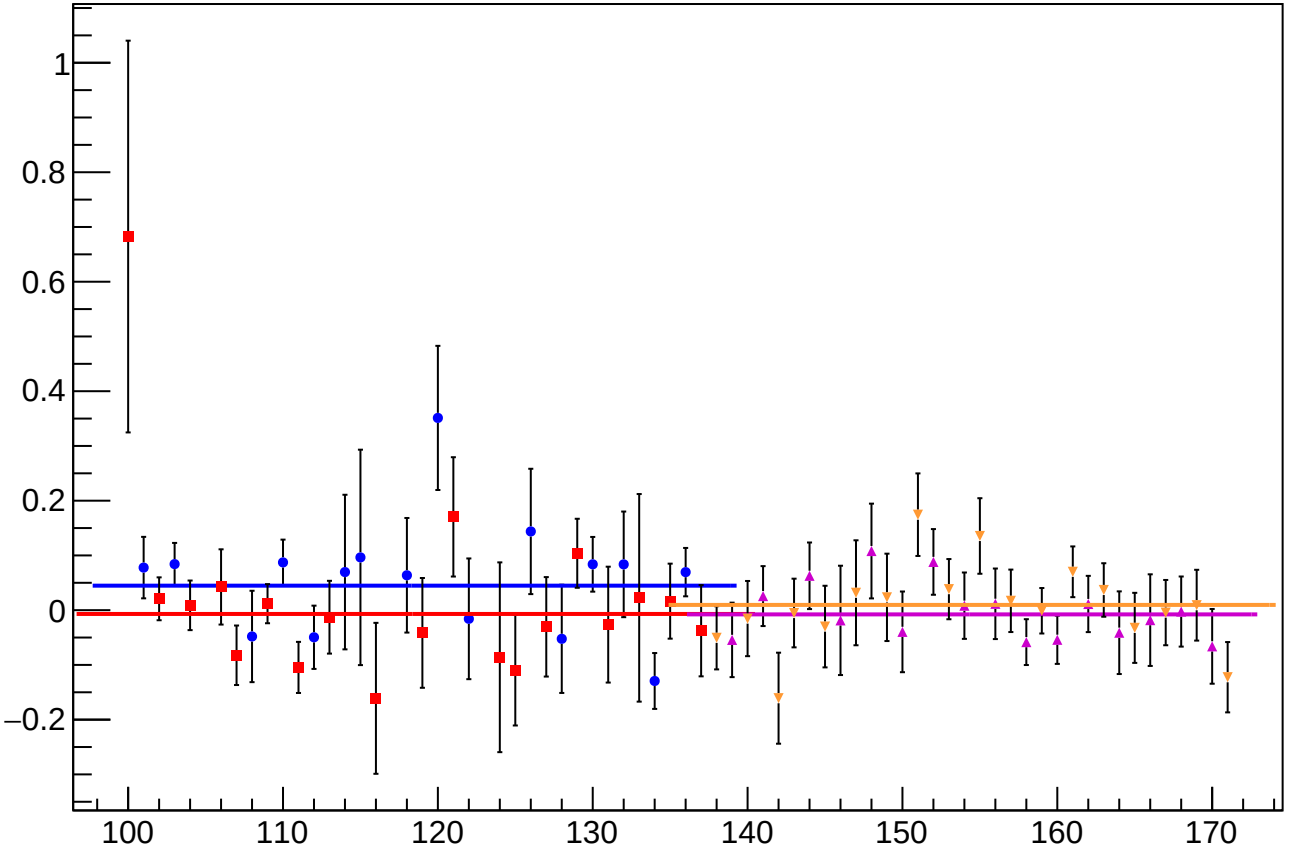
In: -0.000+/-0.000 χ^2/NDF:29.6/31

Out: 0.000+/-0.000 χ^2/NDF:41.8/36

All: 0.000+/-0.000 χ^2/NDF: 78.8/68


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:1355352.1/15
Left: 0.003+/-0.000 χ²/NDF: 3290891.6/33
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:5637552.7/31
Out: 0.002+/-0.000 χ²/NDF:6920928.5/36
All: 0.002+/-0.000 χ²/NDF: 12587527.9/68

asym_sam6_eigen_dit_vs_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:10.5/15

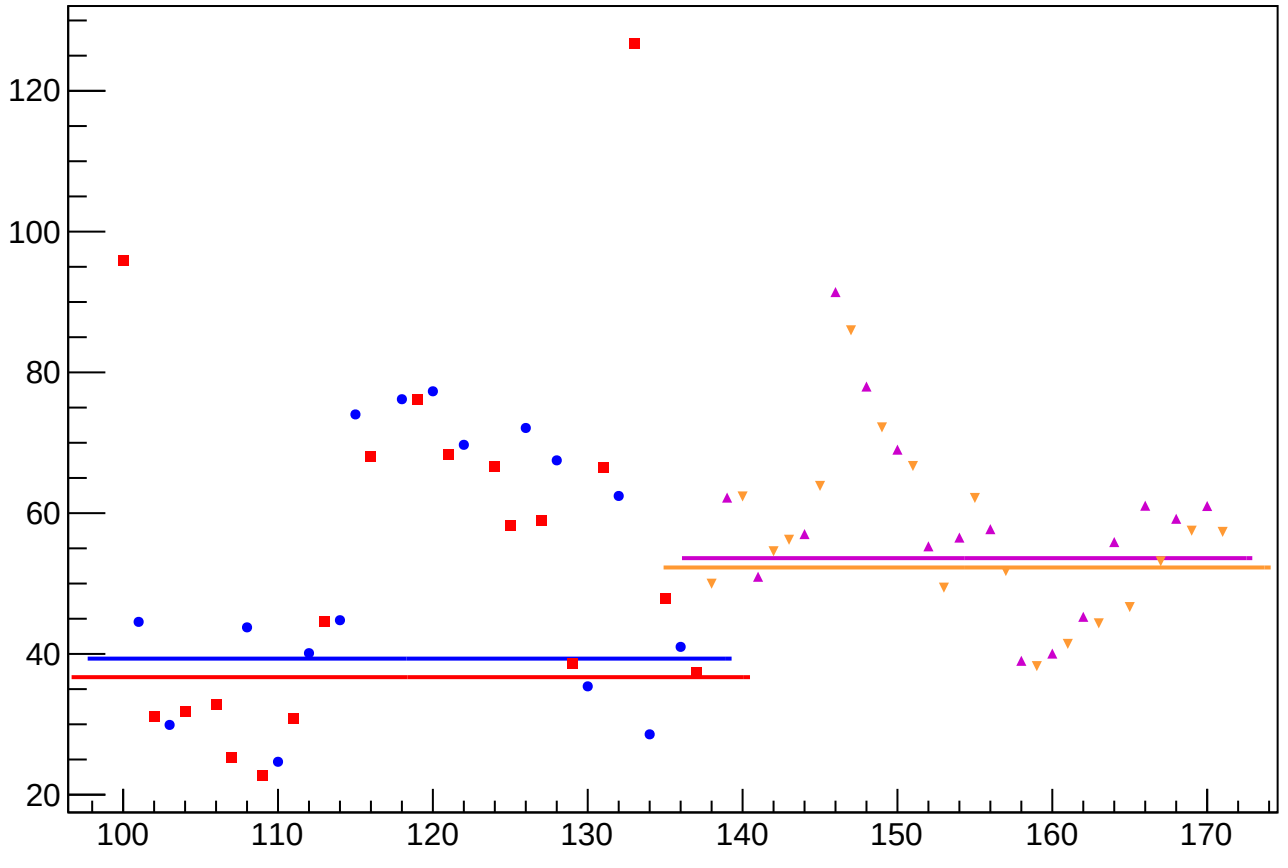
Left: 0.002+/-0.010 χ^2/NDF: 32.3/33

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.017+/-0.011 χ^2/NDF:42.8/31

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.6/68



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: 53.608+/-0.011 χ^2/NDF:1131441.9/15

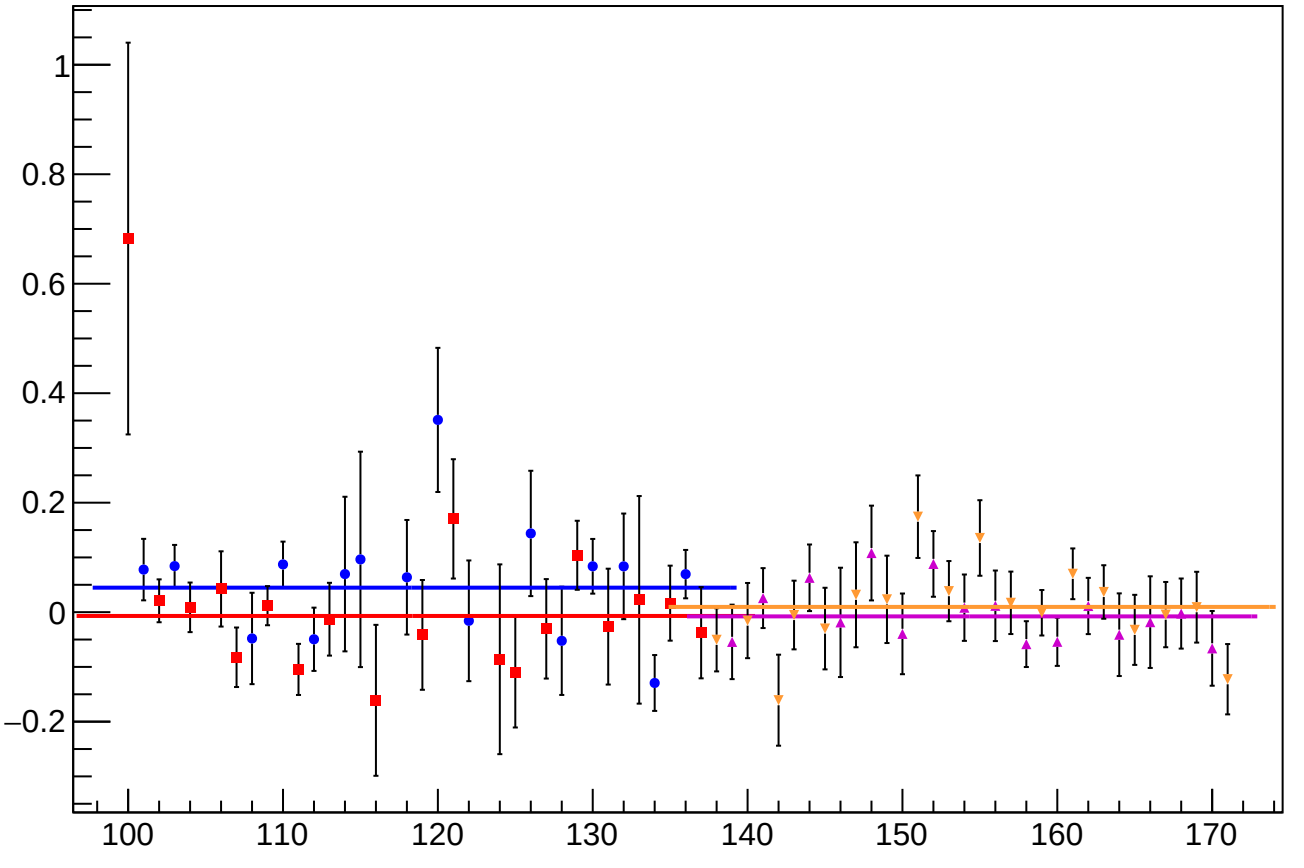
Left: 52.903+/-0.007 χ^2/NDF: 2166286.7/33

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.798+/-0.008 χ^2/NDF:3528145.4/31

Out: 44.889+/-0.007 χ^2/NDF:4241379.0/36

All: 45.785+/-0.005 χ^2/NDF: 7801107.8/68



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:10.5/15

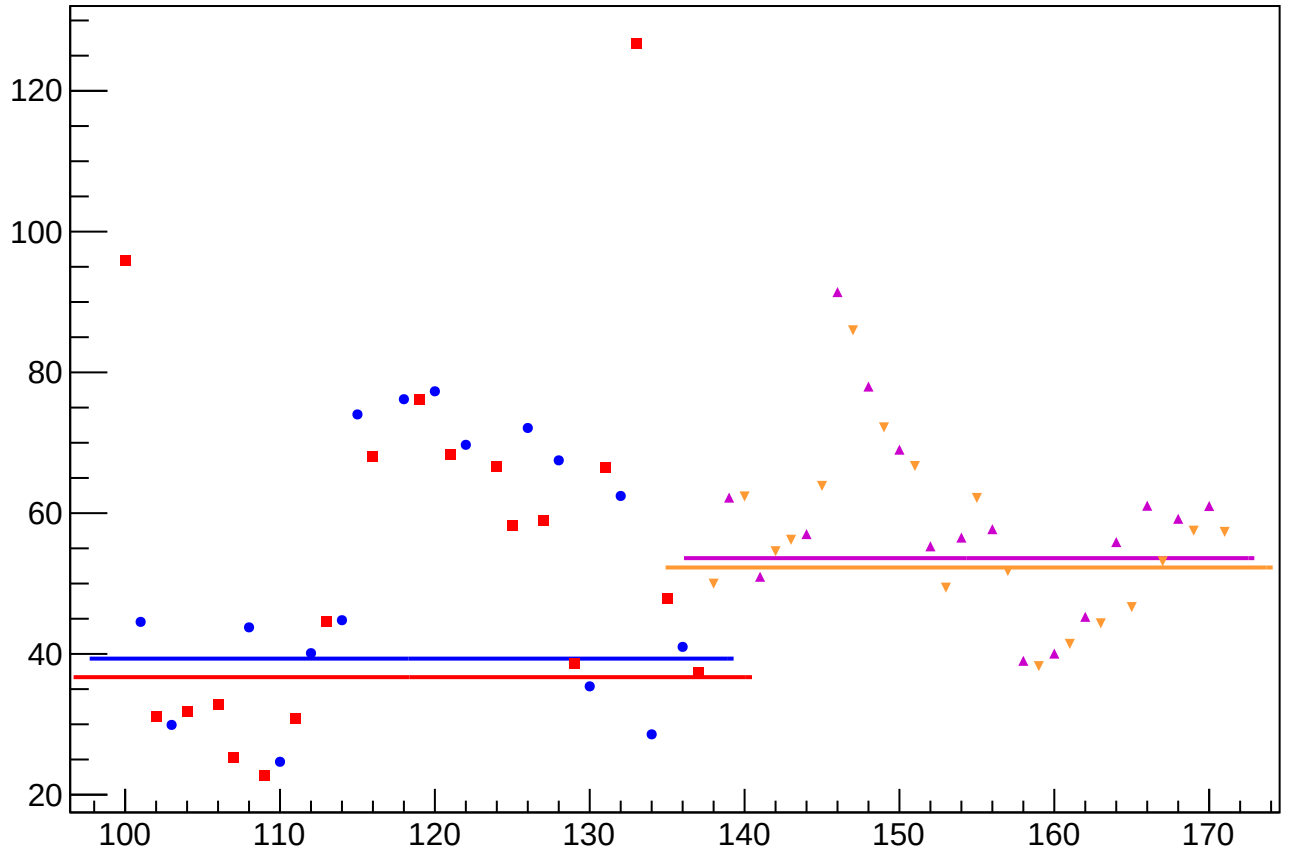
Left: 0.002+/-0.010 χ^2/NDF: 32.3/33

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.017+/-0.011 χ^2/NDF:42.8/31

Out: 0.002+/-0.010 χ^2/NDF:41.8/36

All: 0.009+/-0.008 χ^2/NDF: 85.6/68



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: 53.608+/-0.011 χ^2/NDF:1131441.9/15

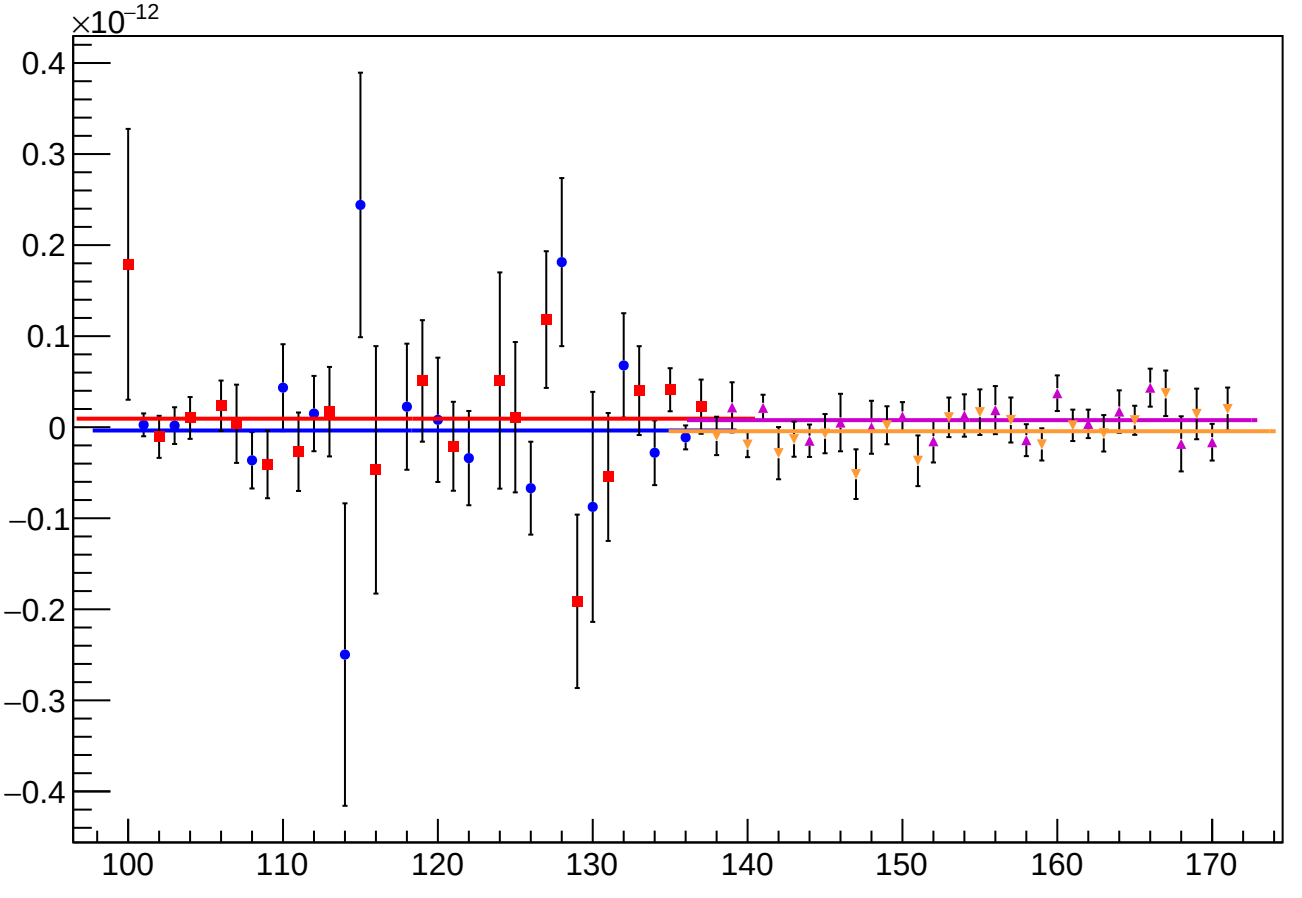
Left: 52.903+/-0.007 χ^2/NDF: 2166286.7/33

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 46.798+/-0.008 χ^2/NDF:3528145.4/31

Out: 44.889+/-0.007 χ^2/NDF:4241379.0/36

All: 45.785+/-0.005 χ^2/NDF: 7801107.8/68



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:13.3/15

Left: 0.000+/-0.000 χ^2/NDF: 30.0/33

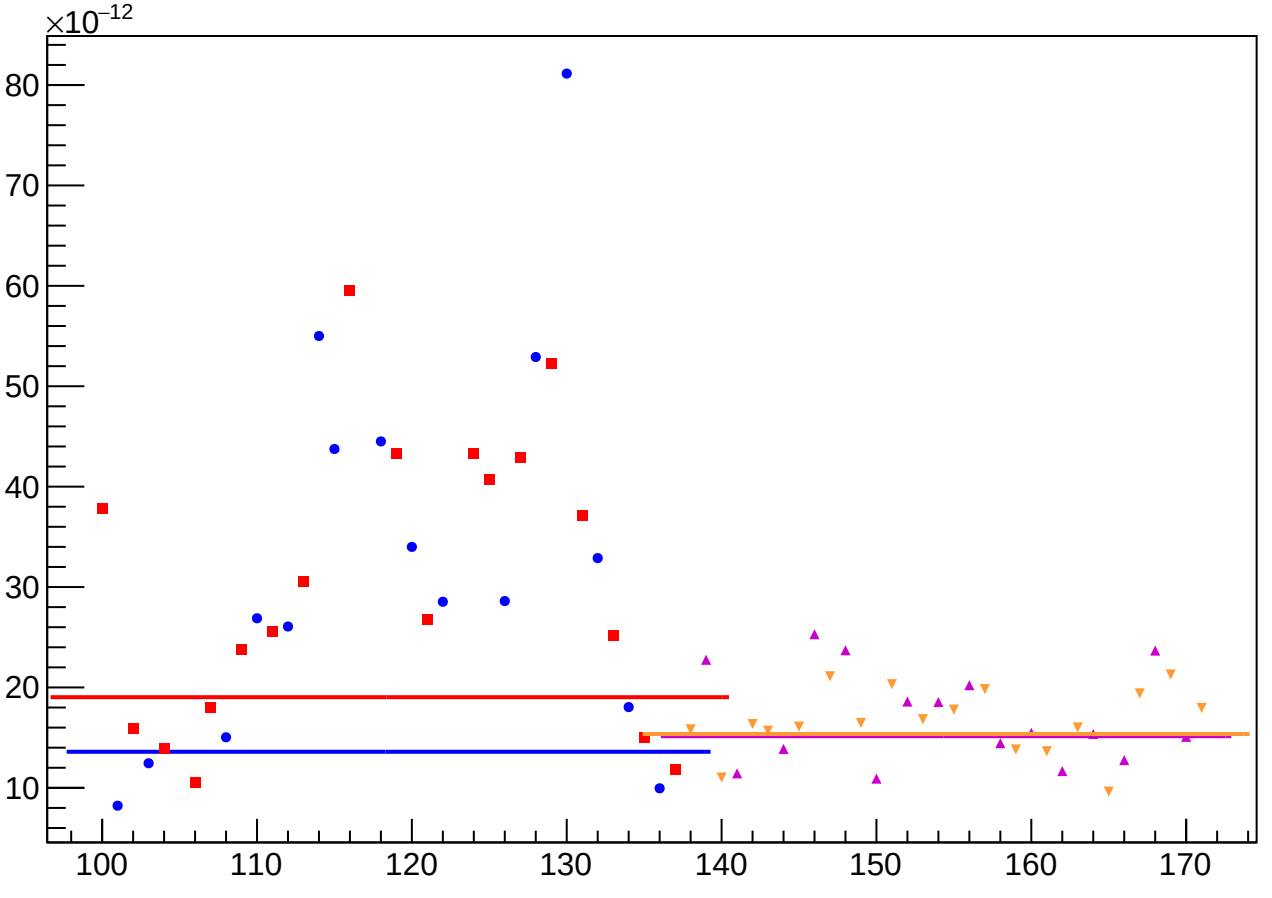
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:31.5/31

Out: -0.000+/-0.000 χ^2/NDF:31.2/36

All: 0.000+/-0.000 χ^2/NDF: 63.5/68

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3187097.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:918002.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2049385.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1267701.5/15

Left: 0.000+/-0.000 χ^2/NDF: 2187701.1/33

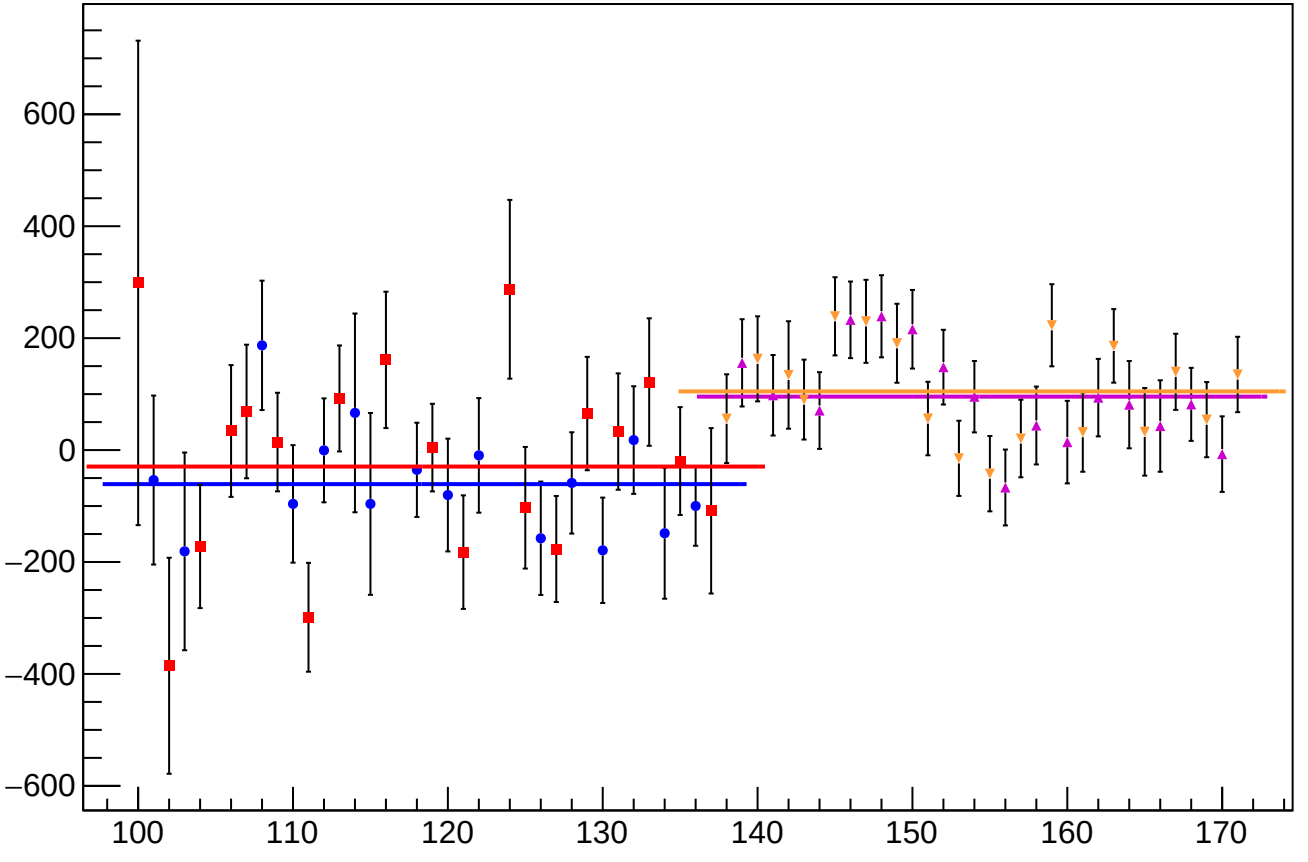
Right: 0.000+/-0.000 χ^2/NDF: 5674807.3/34

In: 0.000+/-0.000 χ^2/NDF:4515998.0/31

Out: 0.000+/-0.000 χ^2/NDF:3218887.2/36

All: 0.000+/-0.000 χ^2/NDF: 7871090.7/68

reg_asym_sam7_mean vs Slug, Sign Corrected



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: 95.491+/-17.602 χ^2/NDF:22.5/15

Left: 100.375+/-12.151 χ^2/NDF: 48.8/33

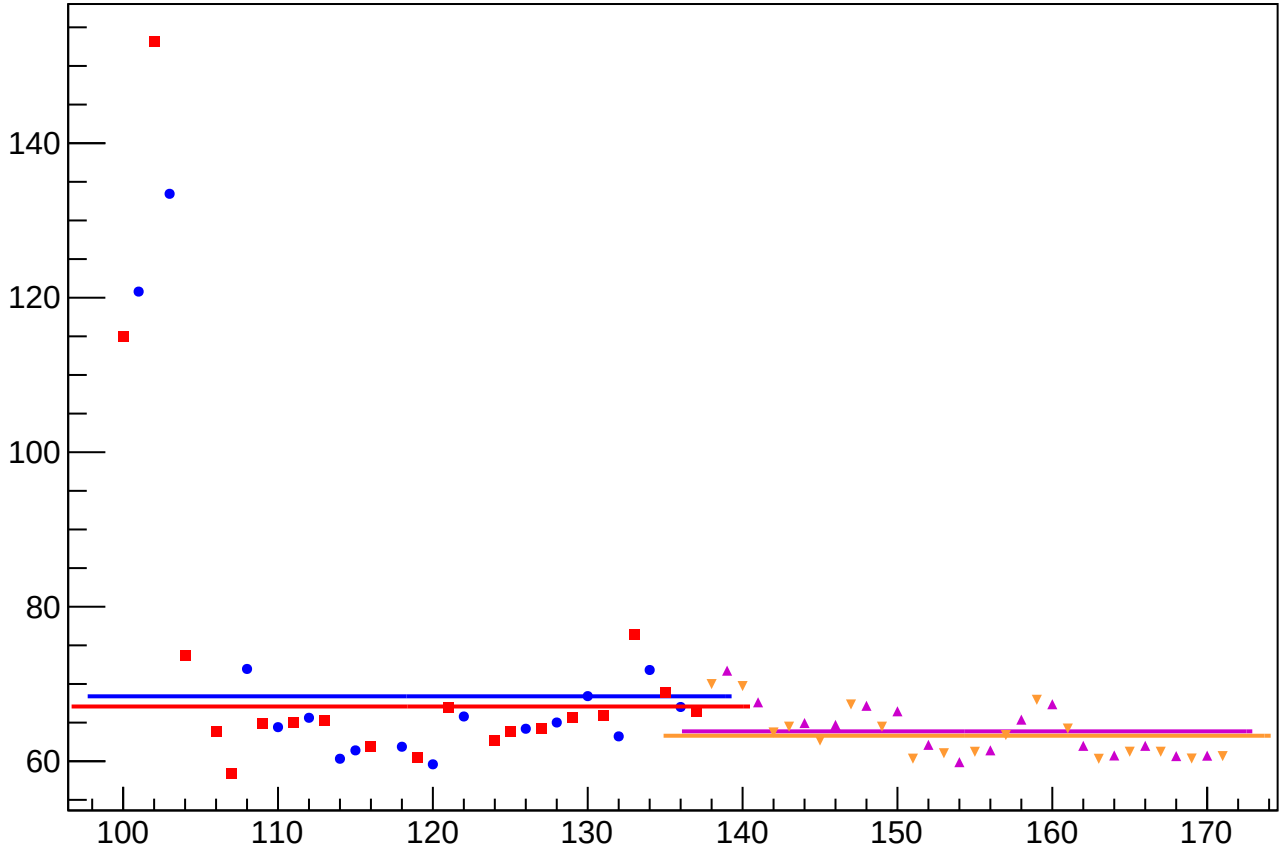
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 46.497+/-14.585 χ^2/NDF:57.7/31

Out: 63.308+/-13.959 χ^2/NDF:77.1/36

All: 55.271+/-10.085 χ^2/NDF: 135.6/68

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: 63.867+/-0.012 χ^2/NDF:65534.8/15

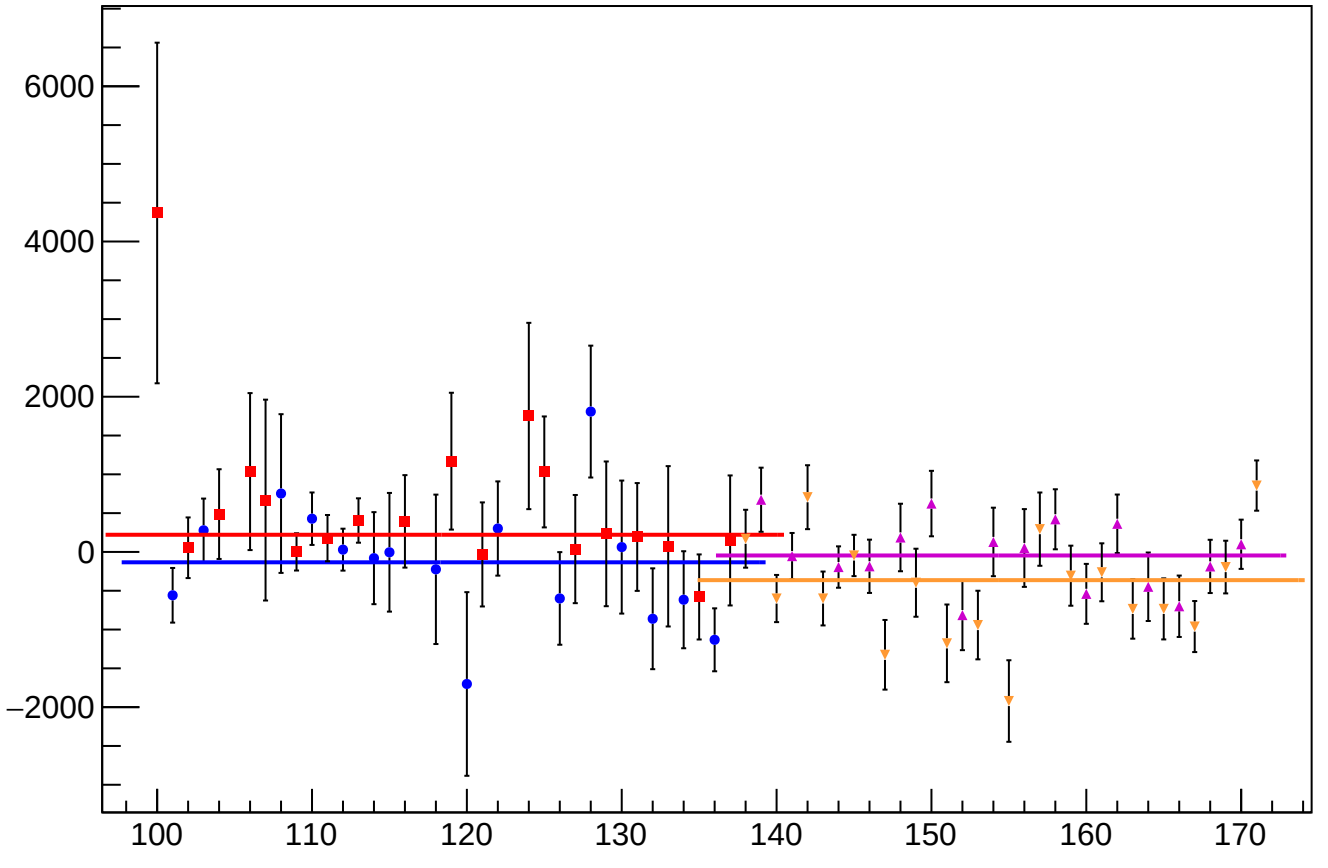
Left: 63.570+/-0.009 χ^2/NDF: 133358.7/33

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 65.289+/-0.010 χ^2/NDF:676721.8/31

Out: 64.470+/-0.010 χ^2/NDF:579969.9/36

All: 64.862+/-0.007 χ^2/NDF: 1259976.6/68



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: -45.559+/-93.268 χ^2/NDF:17.6/15

Left: -213.240+/-64.117 χ^2/NDF: 74.3/33

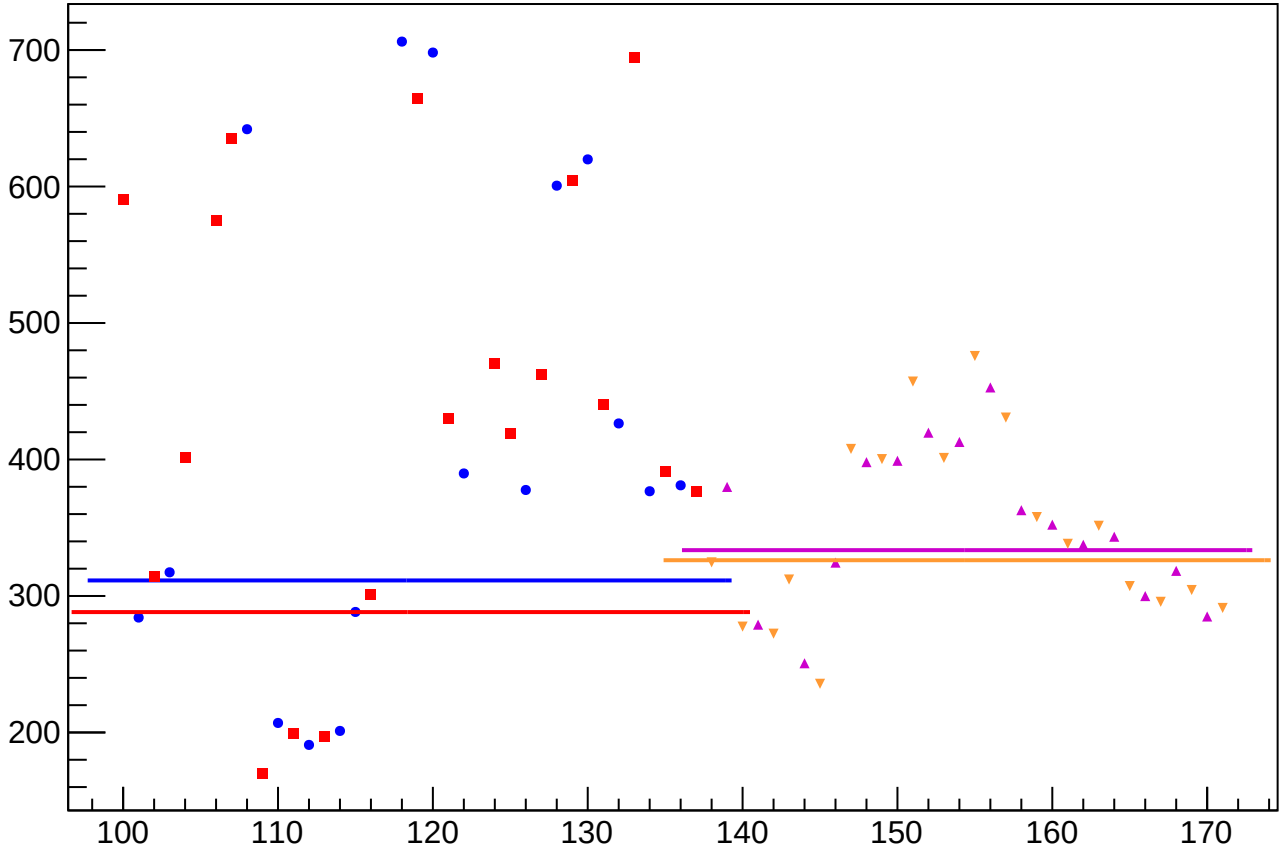
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -76.751+/-74.944 χ^2/NDF:40.4/31

Out: -153.108+/-70.645 χ^2/NDF:78.9/36

All: -117.182+/-51.406 χ^2/NDF: 119.9/68

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



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: 333.580+/-0.066 χ^2/NDF:711826.8/15

Left: 329.690+/-0.045 χ^2/NDF: 1693584.8/33

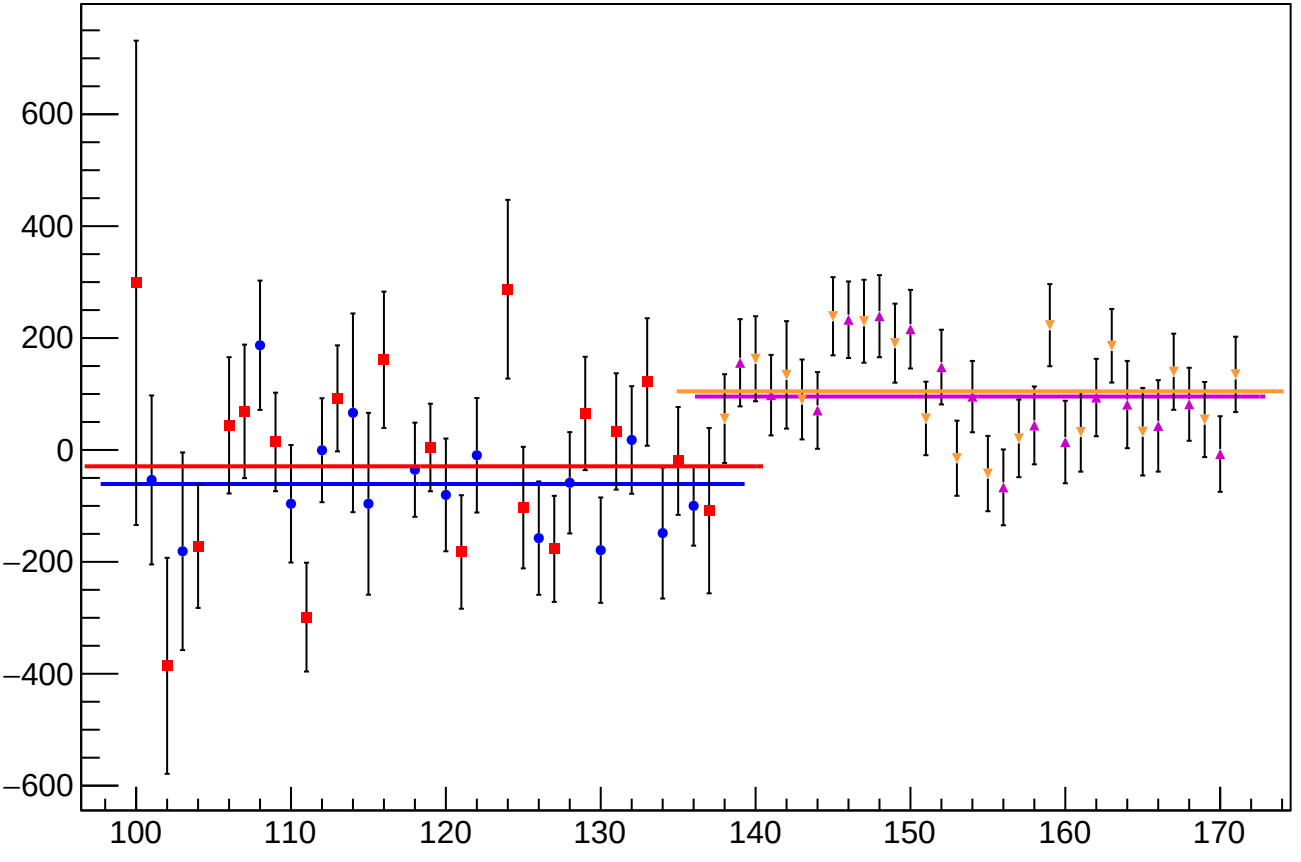
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 325.716+/-0.053 χ^2/NDF:2875751.3/31

Out: 312.534+/-0.050 χ^2/NDF:3823818.5/36

All: 318.736+/-0.036 χ^2/NDF: 6732336.0/68

cor_asym_sam7_mean vs Slug, Sign Corrected



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: 95.489+/-17.602 χ^2/NDF:22.5/15

Left: 100.375+/-12.151 χ^2/NDF: 48.8/33

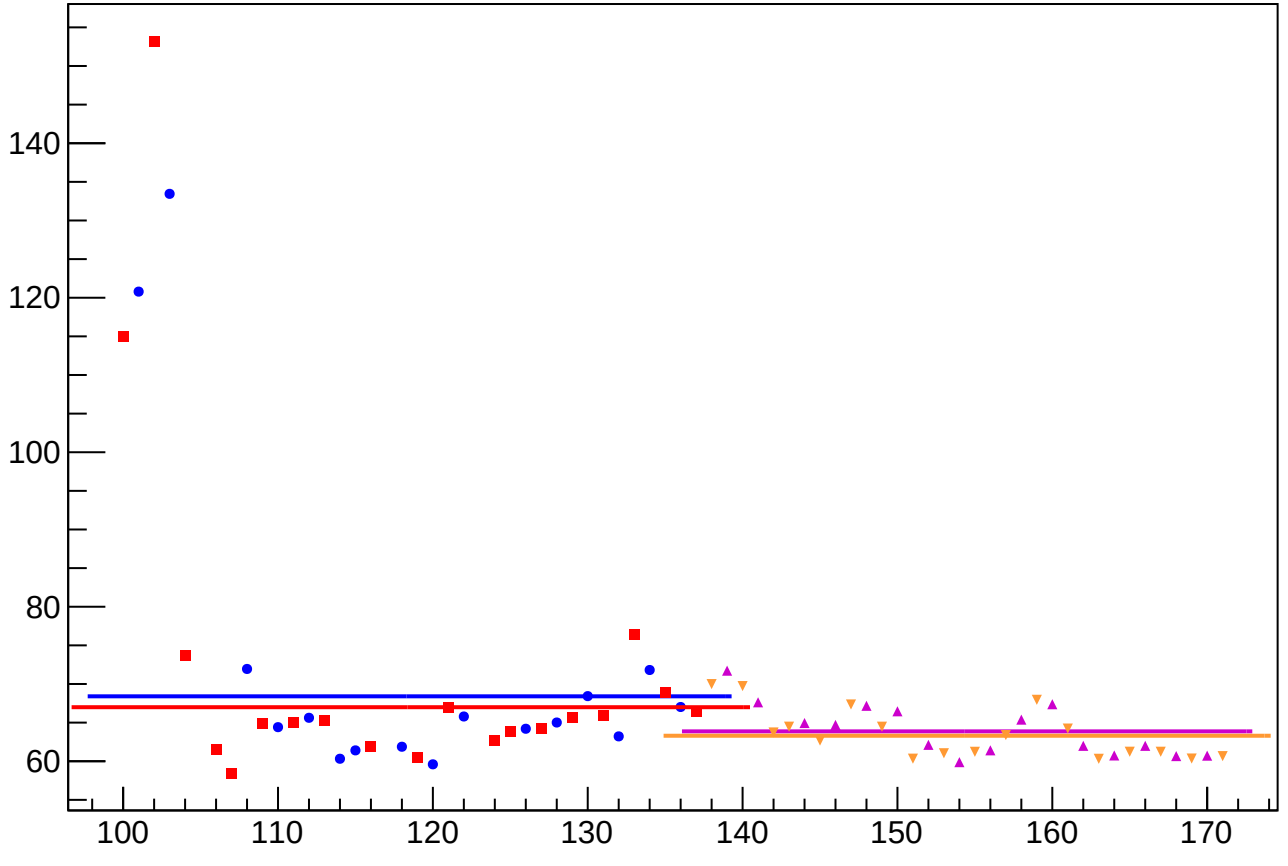
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 46.495+/-14.585 χ^2/NDF:57.7/31

Out: 63.465+/-13.966 χ^2/NDF:77.1/36

All: 55.348+/-10.087 χ^2/NDF: 135.5/68

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: 63.867+/-0.012 χ^2/NDF:65534.8/15

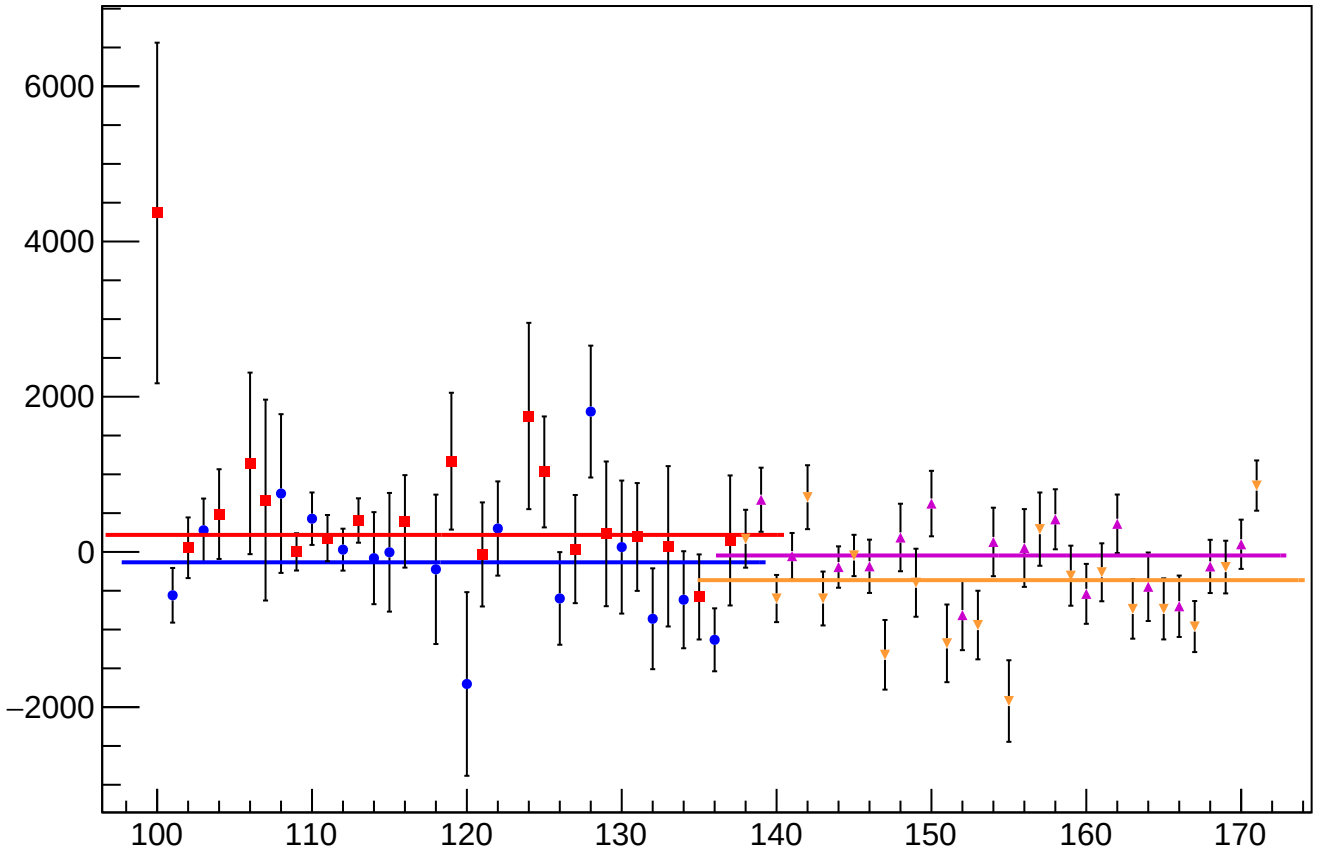
Left: 63.570+/-0.009 χ^2/NDF: 133358.7/33

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.289+/-0.010 χ^2/NDF:676722.2/31

Out: 64.440+/-0.010 χ^2/NDF:581086.6/36

All: 64.846+/-0.007 χ^2/NDF: 1261341.7/68



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: -45.564+/-93.268 χ^2/NDF:17.6/15

Left: -213.242+/-64.117 χ^2/NDF: 74.3/33

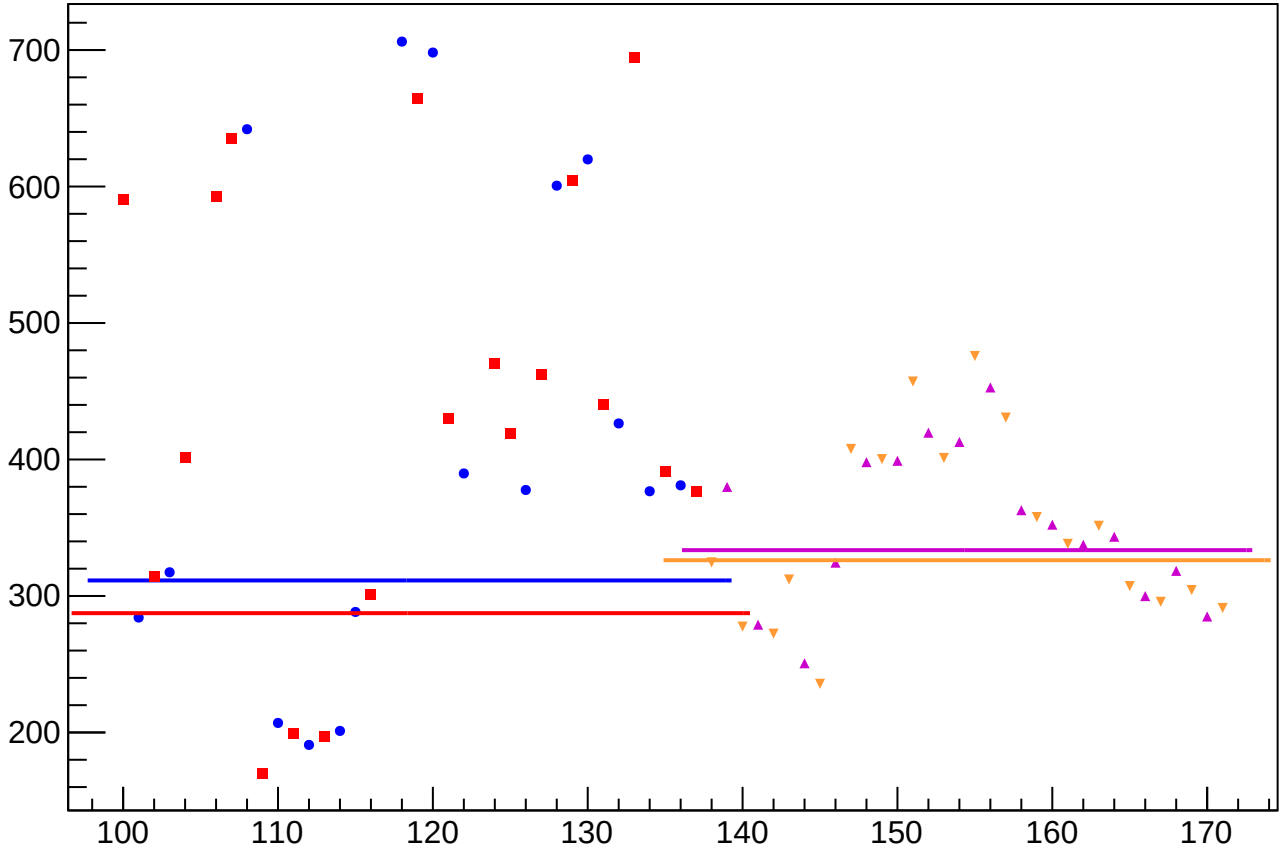
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -76.752+/-74.944 χ^2/NDF:40.4/31

Out: -154.194+/-70.689 χ^2/NDF:78.8/36

All: -117.734+/-51.423 χ^2/NDF: 119.7/68

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: 333.580+/-0.066 χ^2/NDF:711826.4/15

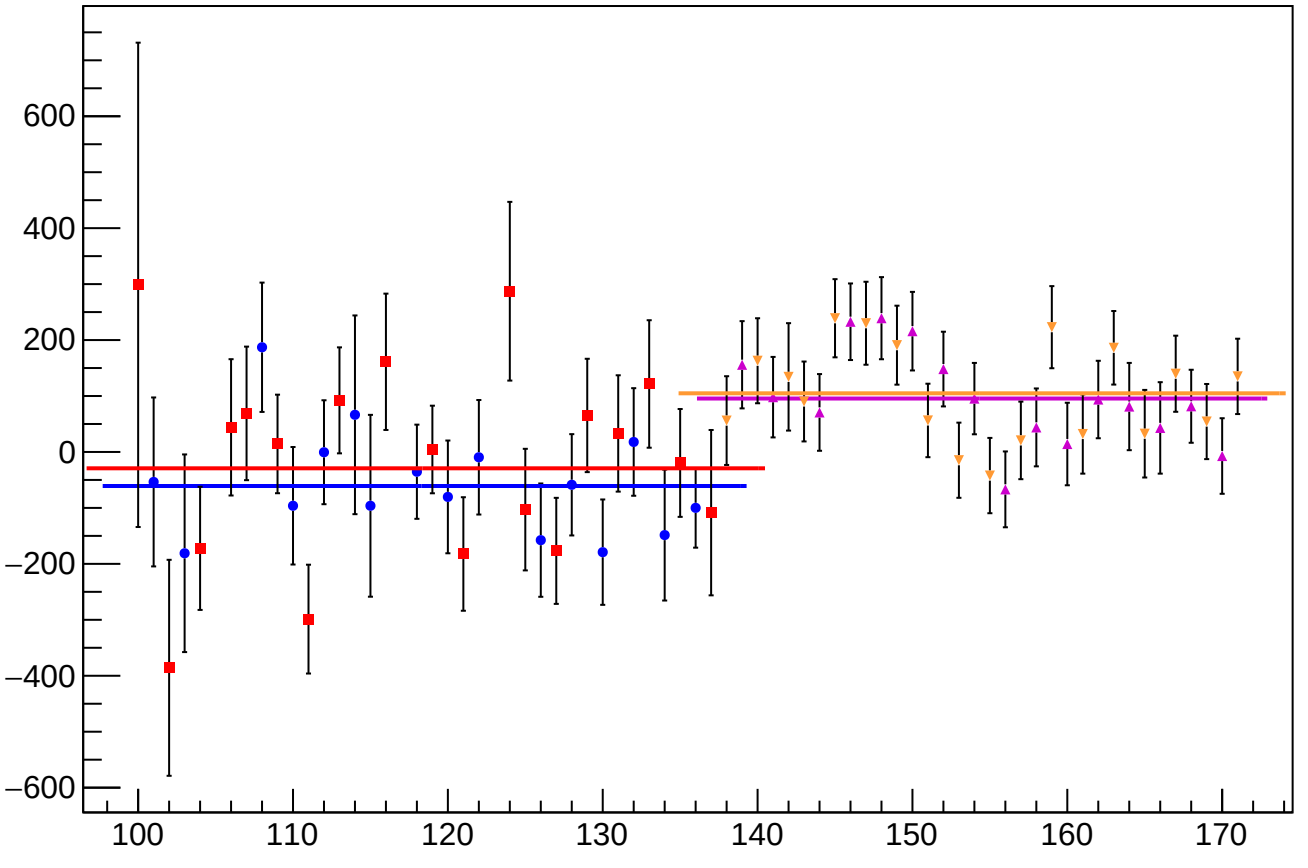
Left: 329.690+/-0.045 χ^2/NDF: 1693589.4/33

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 325.717+/-0.053 χ^2/NDF:2875745.5/31

Out: 312.280+/-0.050 χ^2/NDF:3803998.9/36

All: 318.606+/-0.036 χ^2/NDF: 6713767.2/68



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: 95.489+/-17.602 χ^2/NDF:22.5/15

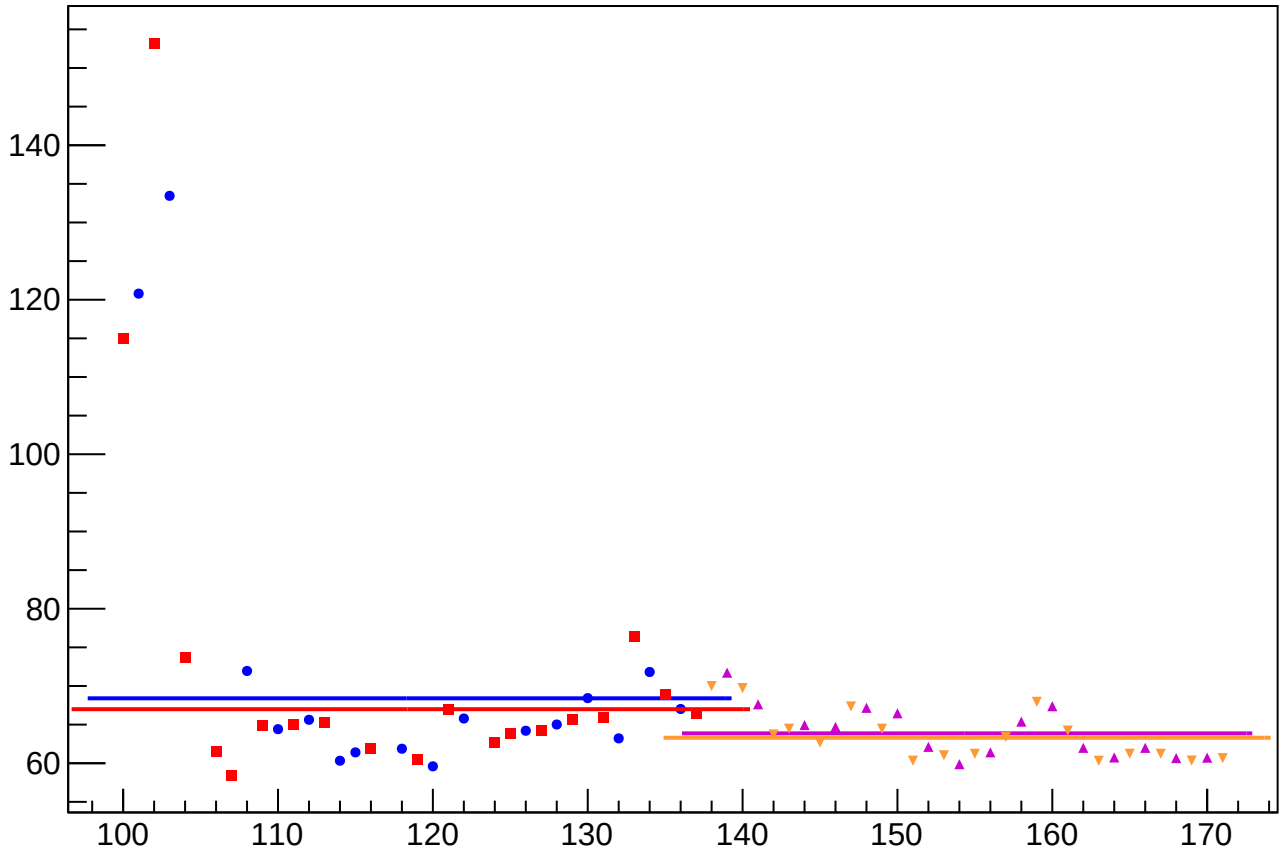
Left: 100.375+/-12.151 χ^2/NDF: 48.8/33

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 46.495+/-14.585 χ^2/NDF:57.7/31

Out: 63.465+/-13.966 χ^2/NDF:77.1/36

All: 55.348+/-10.087 χ^2/NDF: 135.5/68



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: 63.867+/-0.012 χ^2/NDF:65534.8/15

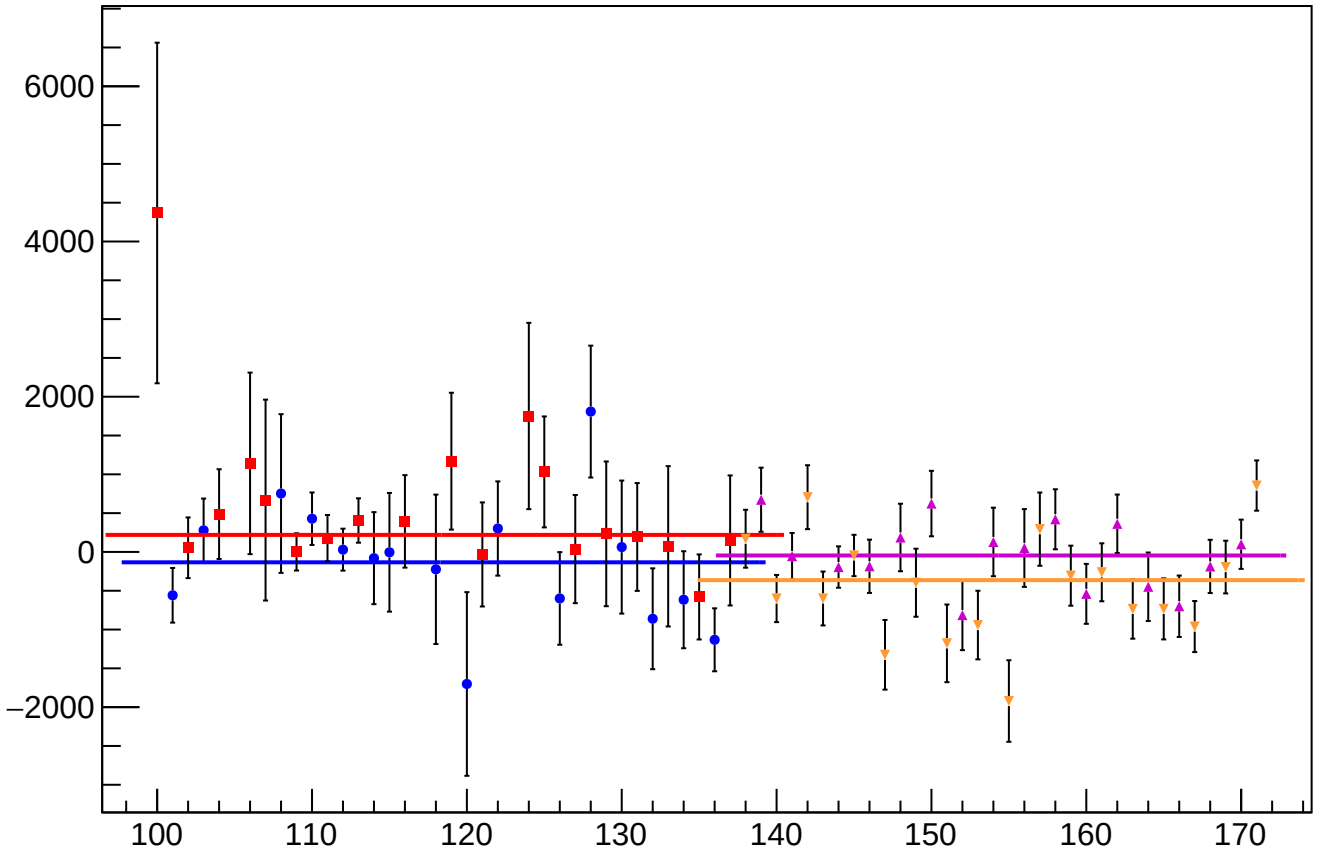
Left: 63.570+/-0.009 χ^2/NDF: 133358.7/33

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 65.289+/-0.010 χ^2/NDF:676722.2/31

Out: 64.440+/-0.010 χ^2/NDF:581086.6/36

All: 64.846+/-0.007 χ^2/NDF: 1261341.7/68



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: -45.564+/-93.268 χ^2/NDF:17.6/15

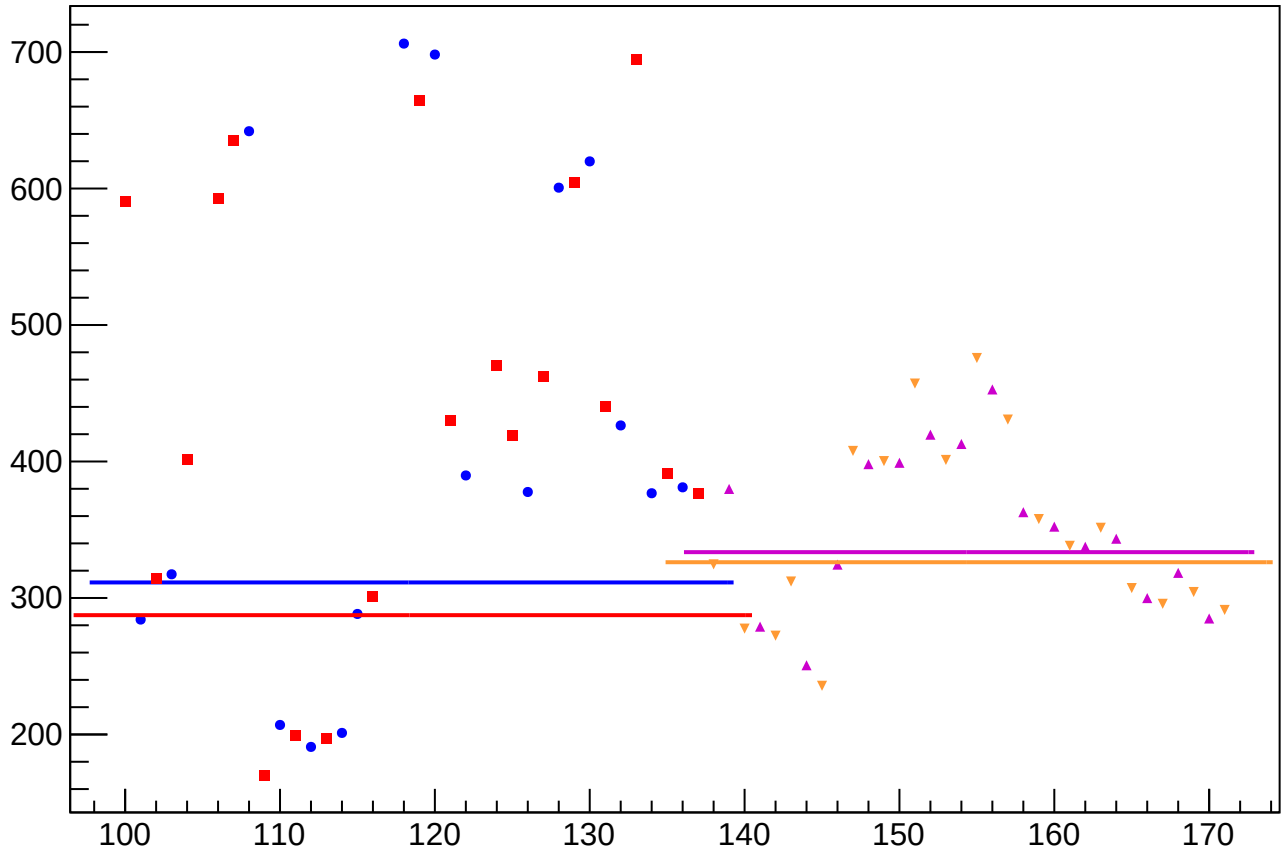
Left: -213.242+/-64.117 χ^2/NDF: 74.3/33

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -76.752+/-74.944 χ^2/NDF:40.4/31

Out: -154.194+/-70.689 χ^2/NDF:78.8/36

All: -117.734+/-51.423 χ^2/NDF: 119.7/68



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: 333.580+/-0.066 χ^2/NDF:711826.4/15

Left: 329.690+/-0.045 χ^2/NDF: 1693589.4/33

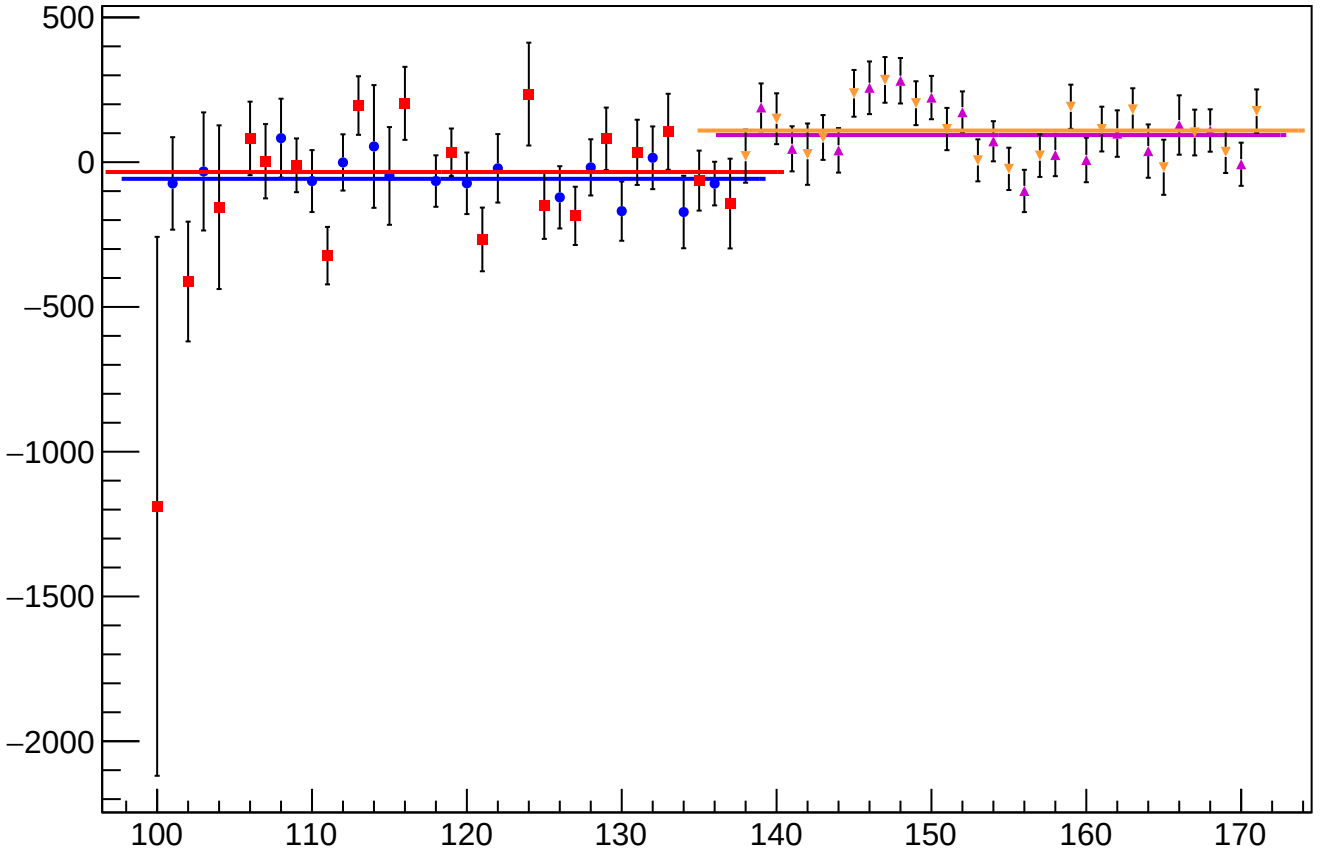
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 325.717+/-0.053 χ^2/NDF:2875745.5/31

Out: 312.280+/-0.050 χ^2/NDF:3803998.9/36

All: 318.606+/-0.036 χ^2/NDF: 6713767.2/68

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: 93.653+/-19.529 χ^2/NDF:26.9/15

Left: 101.856+/-13.451 χ^2/NDF: 50.5/33

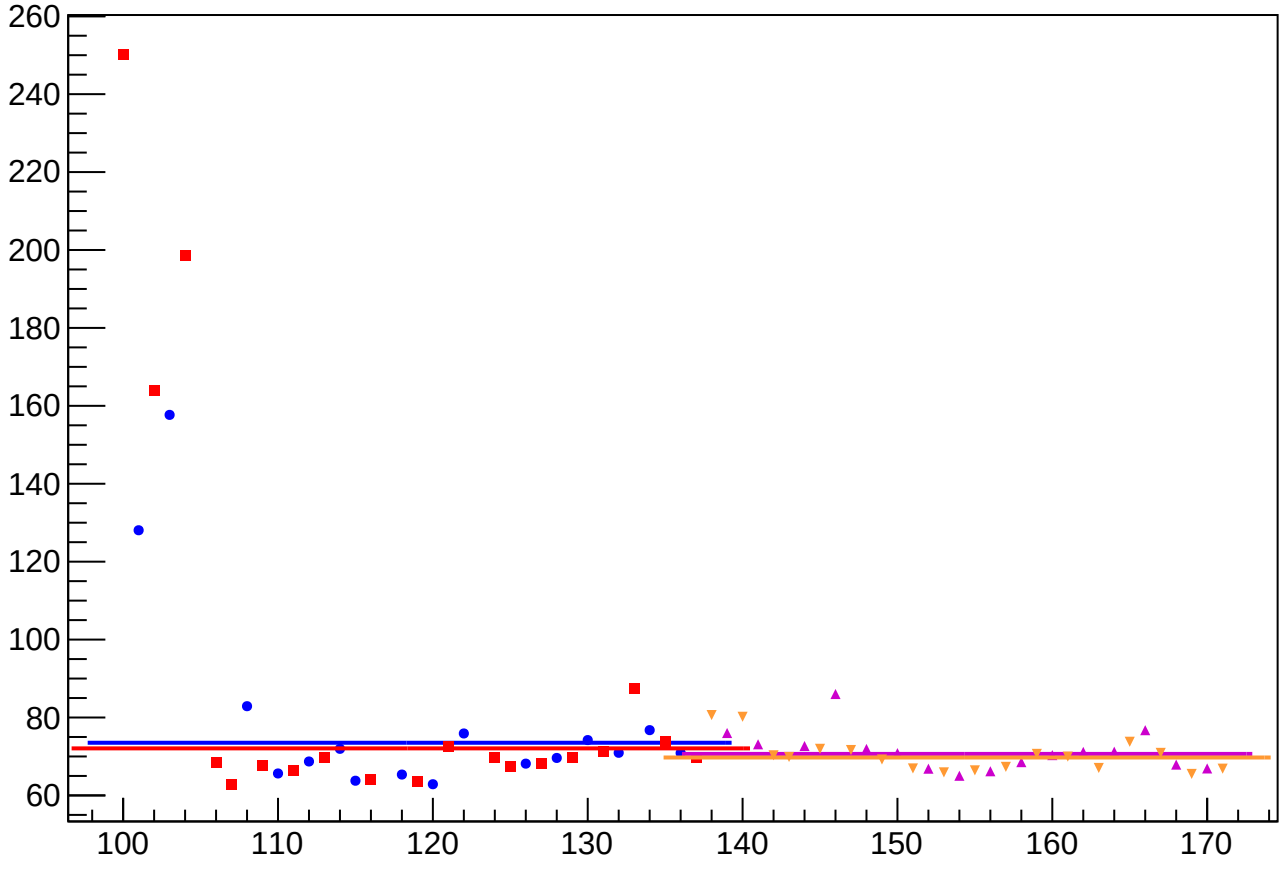
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 44.384+/-16.034 χ^2/NDF:51.3/31

Out: 64.211+/-15.362 χ^2/NDF:79.2/36

All: 54.722+/-11.093 χ^2/NDF: 131.3/68

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: 70.655+/-0.014 χ^2/NDF:112287.0/15

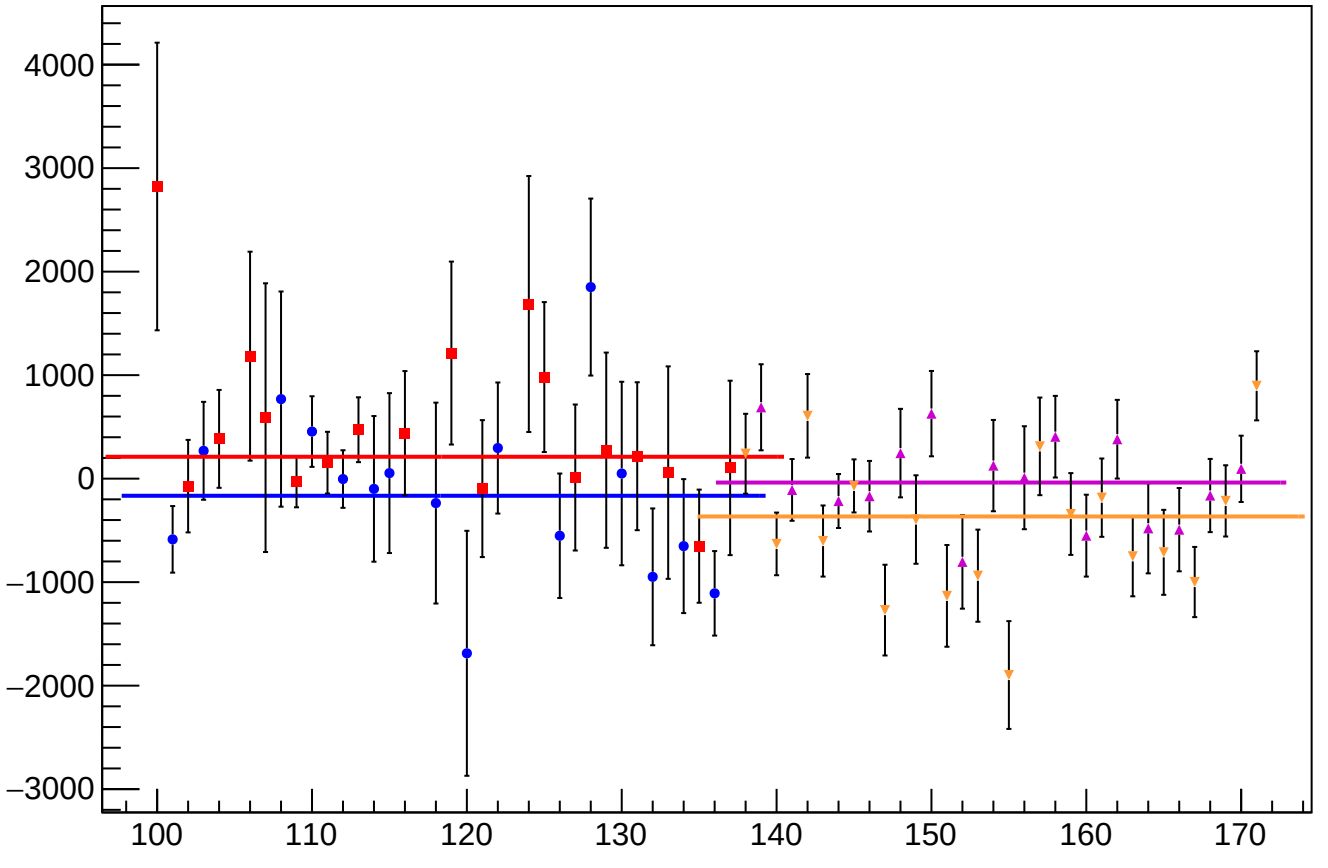
Left: 70.171+/-0.010 χ^2/NDF: 205395.4/33

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.589+/-0.011 χ^2/NDF:783150.7/31

Out: 70.470+/-0.011 χ^2/NDF:1059264.9/36

All: 71.005+/-0.008 χ^2/NDF: 1847491.7/68



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: -37.681+/-93.380 χ^2/NDF:16.6/15

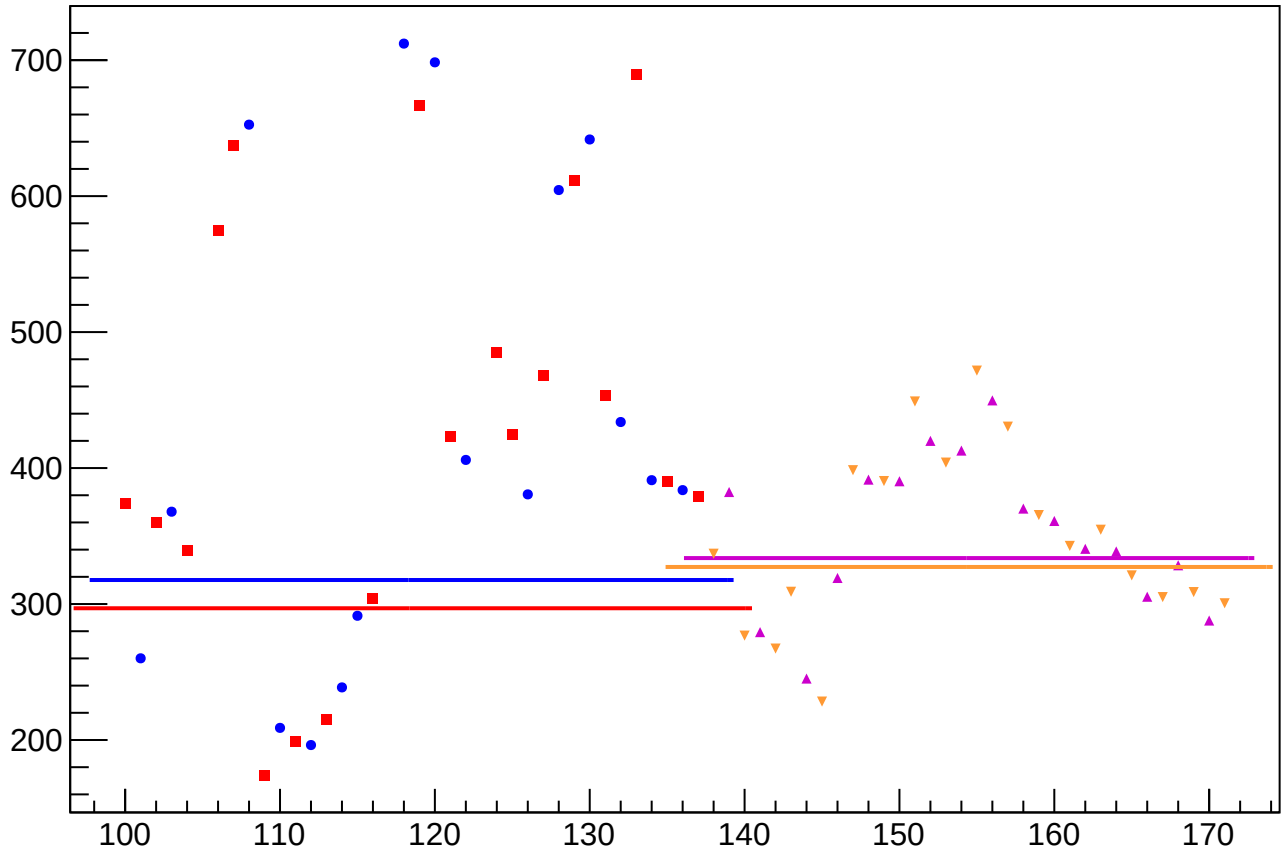
Left: -210.494+/-64.243 χ^2/NDF: 72.9/33

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -81.881+/-75.528 χ^2/NDF:39.8/31

Out: -162.674+/-71.261 χ^2/NDF:78.4/36

All: -124.624+/-51.832 χ^2/NDF: 118.8/68



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: 333.794+/-0.066 χ^2/NDF:727198.6/15

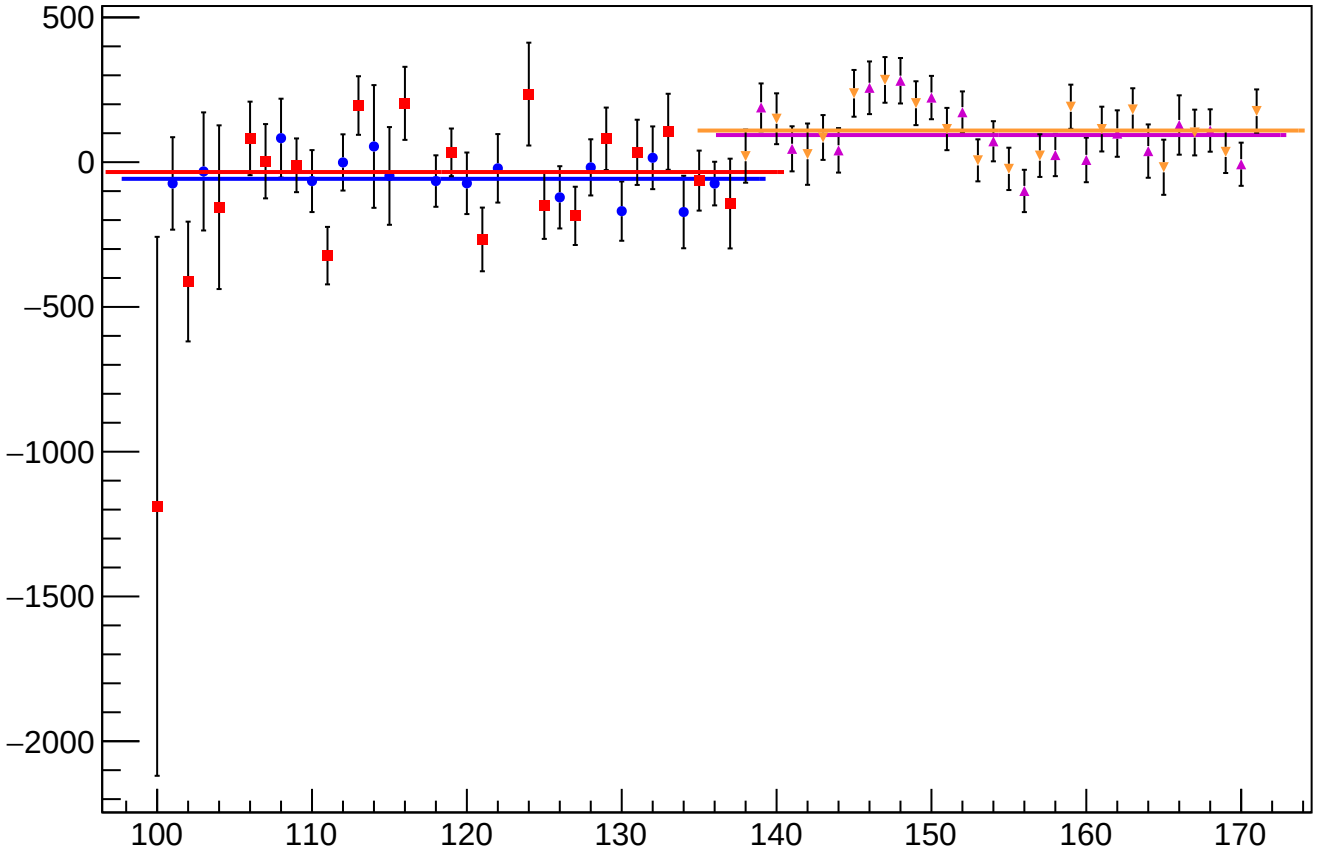
Left: 330.352+/-0.045 χ^2/NDF: 1725154.5/33

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 328.216+/-0.053 χ^2/NDF:2884027.4/31

Out: 316.571+/-0.050 χ^2/NDF:3616695.9/36

All: 322.055+/-0.037 χ^2/NDF: 6525877.6/68



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: 93.653+/-19.529 χ^2/NDF:26.9/15

Left: 101.856+/-13.451 χ^2/NDF: 50.5/33

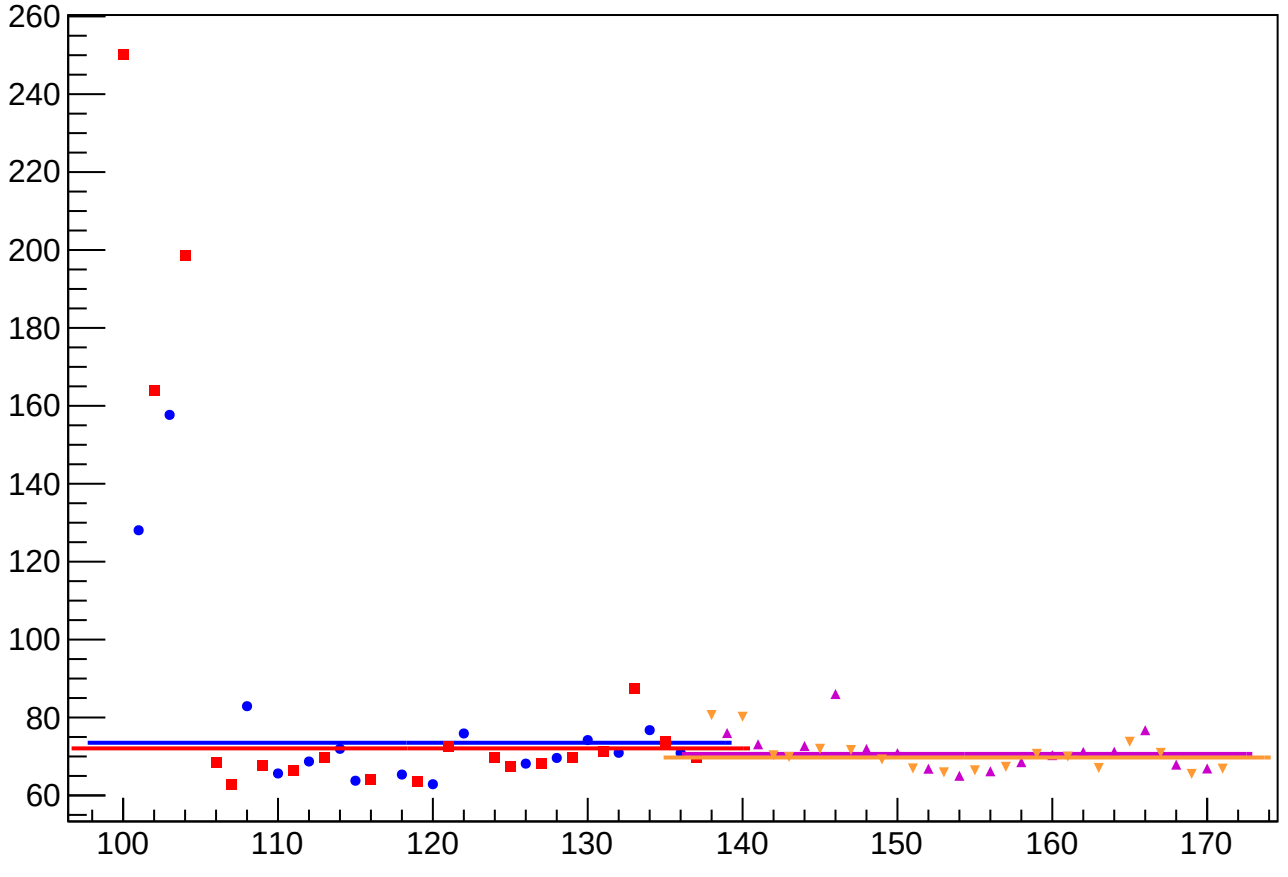
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 44.383+/-16.034 χ^2/NDF:51.3/31

Out: 64.211+/-15.362 χ^2/NDF:79.2/36

All: 54.721+/-11.092 χ^2/NDF: 131.3/68

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: 70.655+/-0.014 χ^2/NDF:112286.7/15

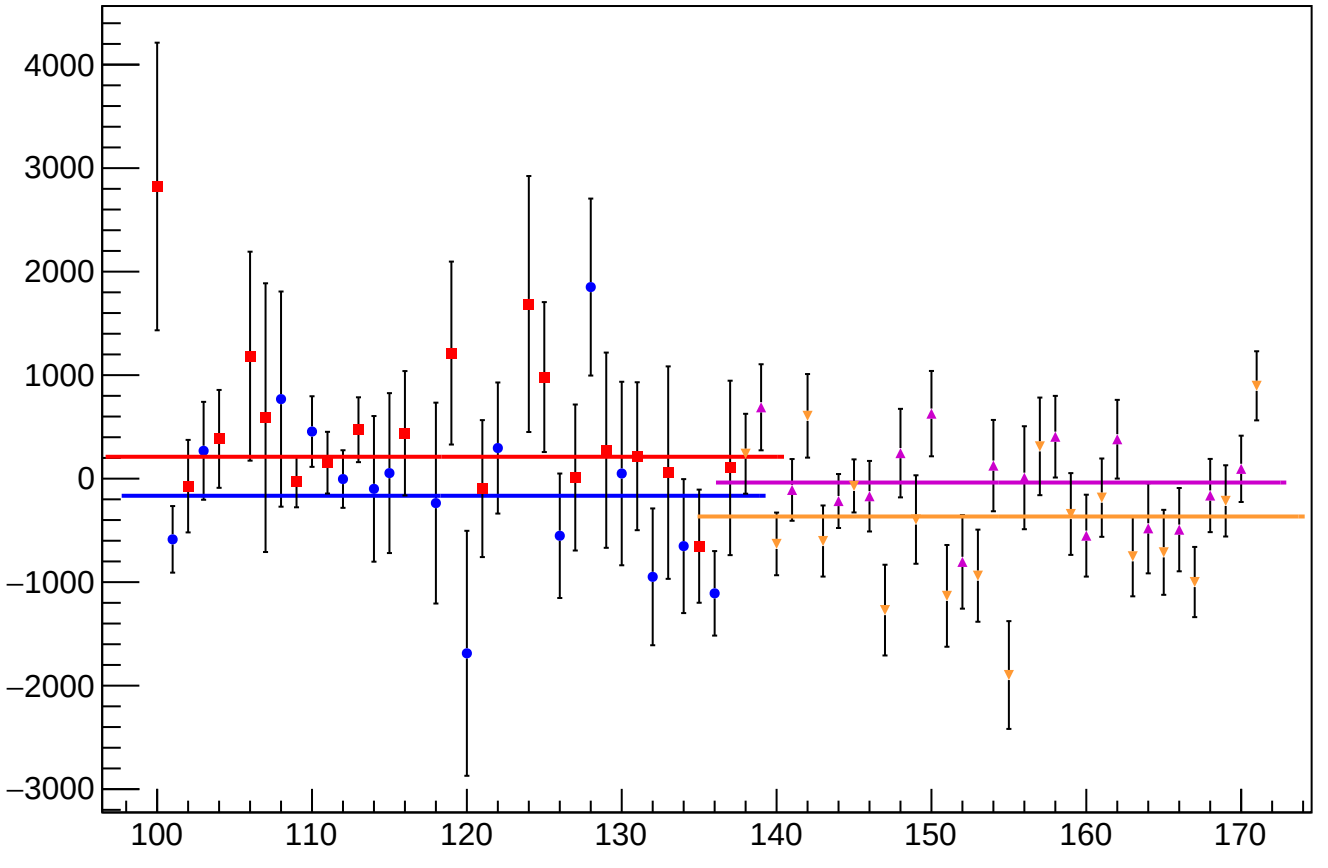
Left: 70.171+/-0.010 χ^2/NDF: 205394.1/33

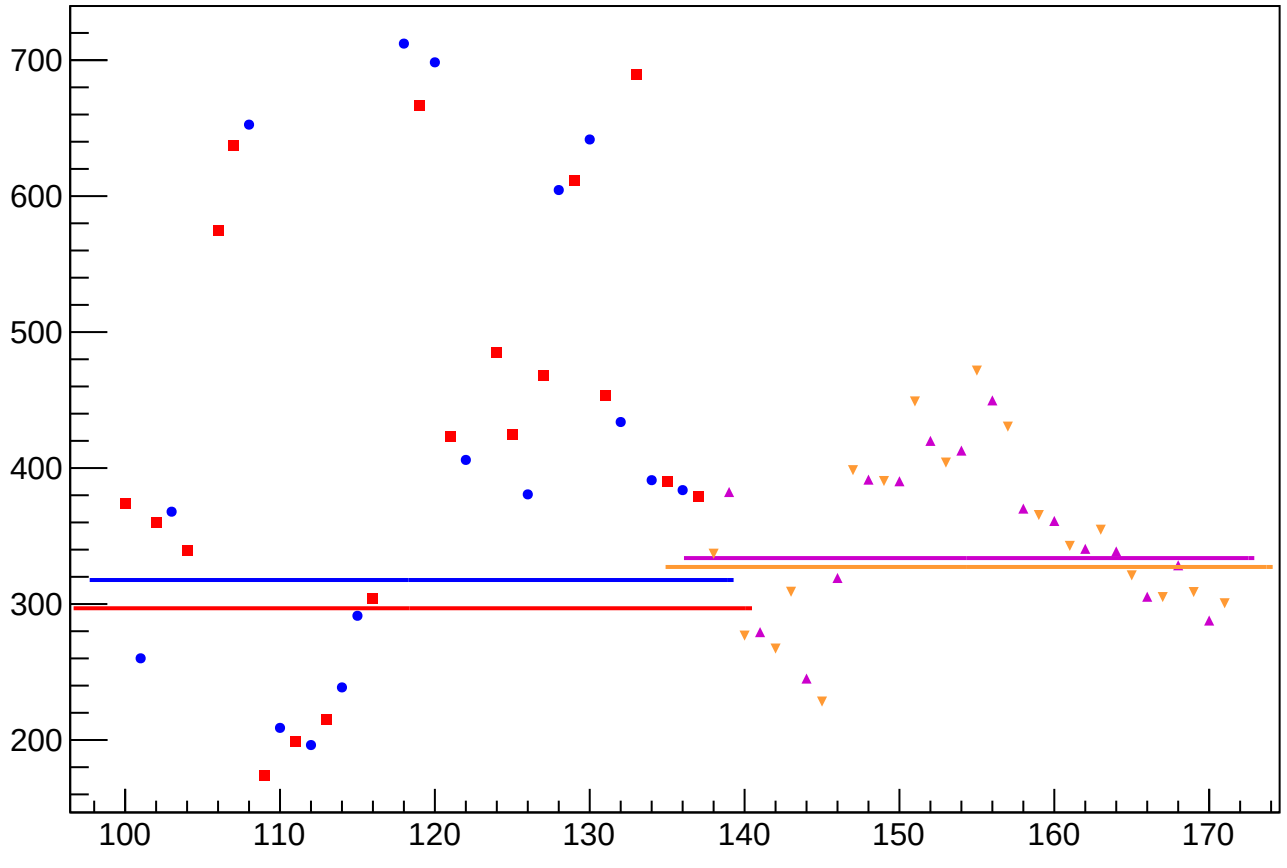
Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.589+/-0.011 χ^2/NDF:783150.5/31

Out: 70.470+/-0.011 χ^2/NDF:1059264.3/36

All: 71.005+/-0.008 χ^2/NDF: 1847490.9/68


asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: -165.498+/-128.437 χ²/NDF: 22.6/15
Left Out: -365.788+/-88.520 χ²/NDF:49.8/17
Right Out: 211.347+/-120.121 χ²/NDF: 13.6/18
Left In: -37.681+/-93.380 χ²/NDF:16.6/15
Left: -210.495+/-64.243 χ²/NDF: 72.9/33
Right: 35.517+/-87.731 χ²/NDF: 40.8/34
In: -81.882+/-75.528 χ²/NDF:39.8/31
Out: -162.673+/-71.261 χ²/NDF:78.4/36
All: -124.624+/-51.832 χ²/NDF: 118.8/68



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: 333.794+/-0.066 χ^2/NDF:727203.9/15

Left: 330.352+/-0.045 χ^2/NDF: 1725168.9/33

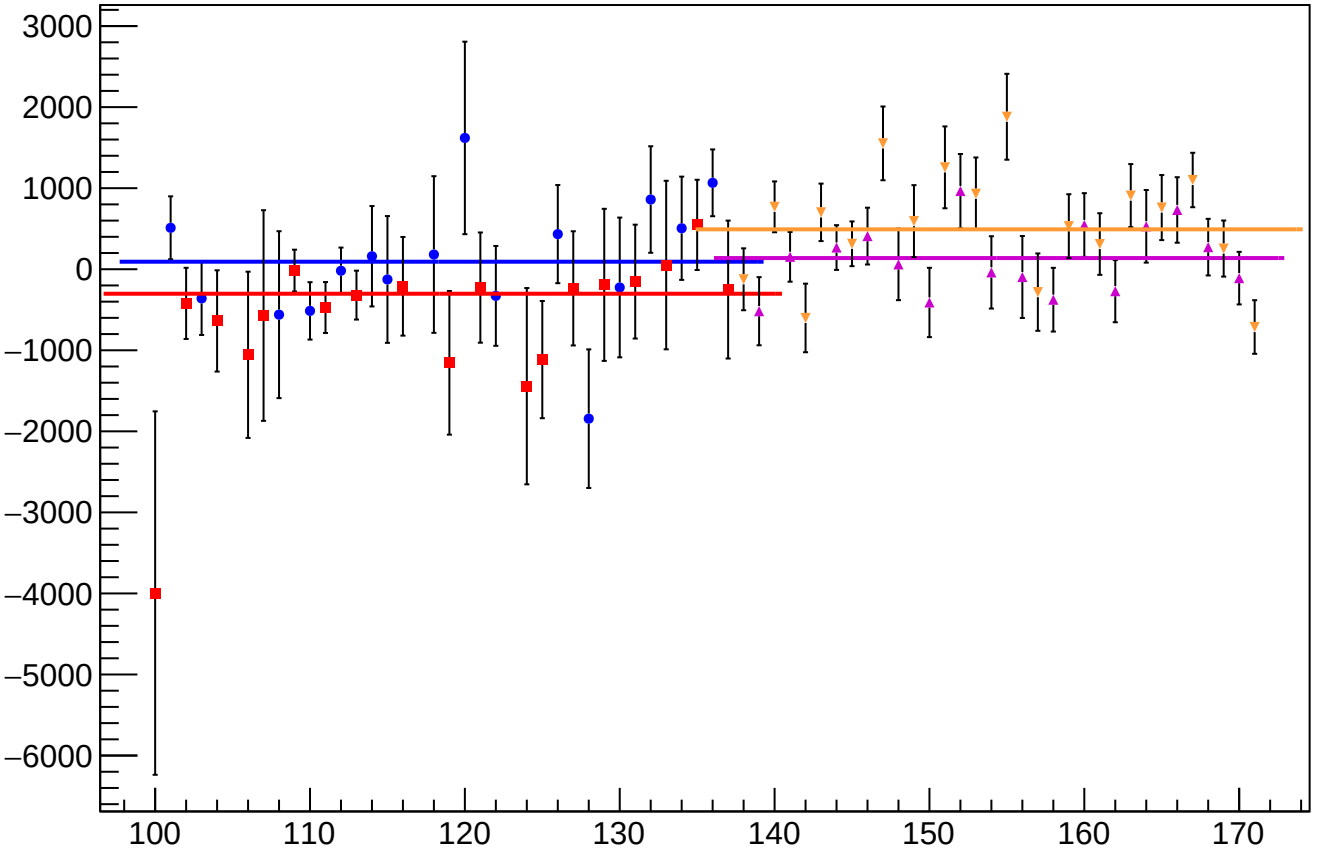
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 328.215+/-0.053 χ^2/NDF:2884070.6/31

Out: 316.570+/-0.050 χ^2/NDF:3616723.2/36

All: 322.054+/-0.037 χ^2/NDF: 6525947.4/68

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: 137.828+/-95.160 χ^2/NDF:16.1/15

Left: 324.641+/-65.449 χ^2/NDF: 71.4/33

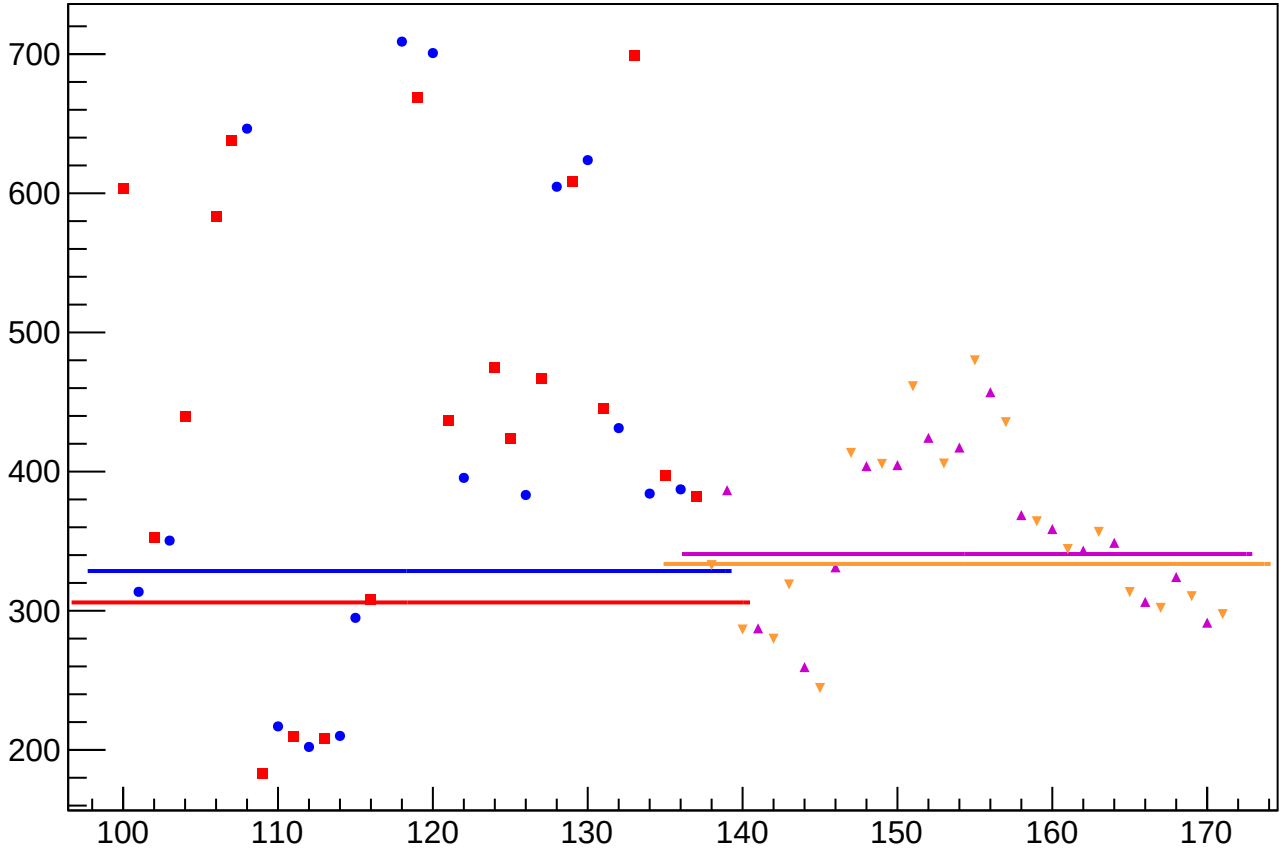
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 122.419+/-77.178 χ^2/NDF:37.0/31

Out: 217.291+/-72.904 χ^2/NDF:85.6/36

All: 172.554+/-52.998 χ^2/NDF: 123.5/68

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: 340.777+/-0.067 χ^2/NDF:656554.3/15

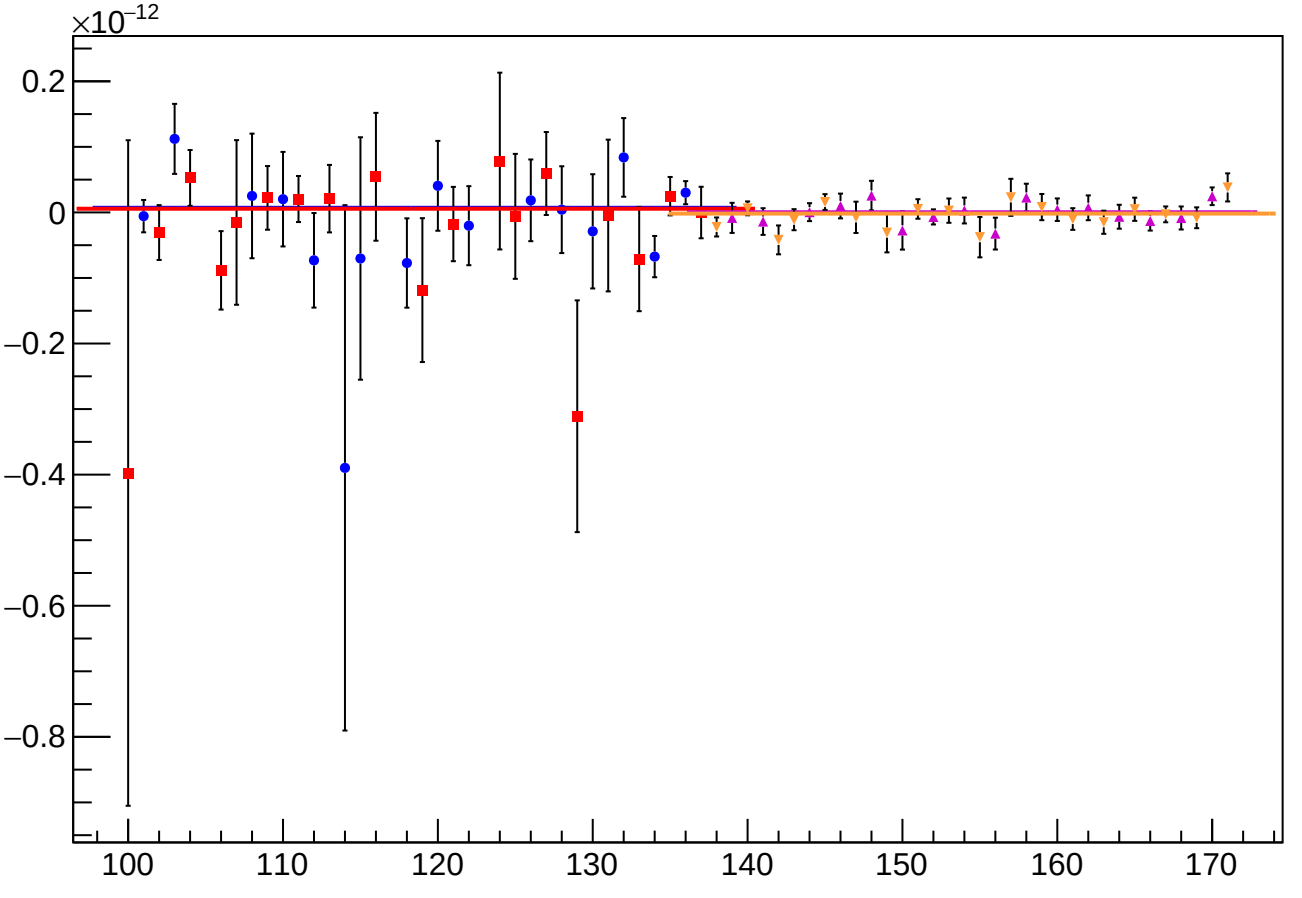
Left: 337.019+/-0.046 χ^2/NDF: 1565780.3/33

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 336.598+/-0.055 χ^2/NDF:2626696.7/31

Out: 324.072+/-0.052 χ^2/NDF:3495909.9/36

All: 329.979+/-0.037 χ^2/NDF: 6150448.6/68



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:11.0/15

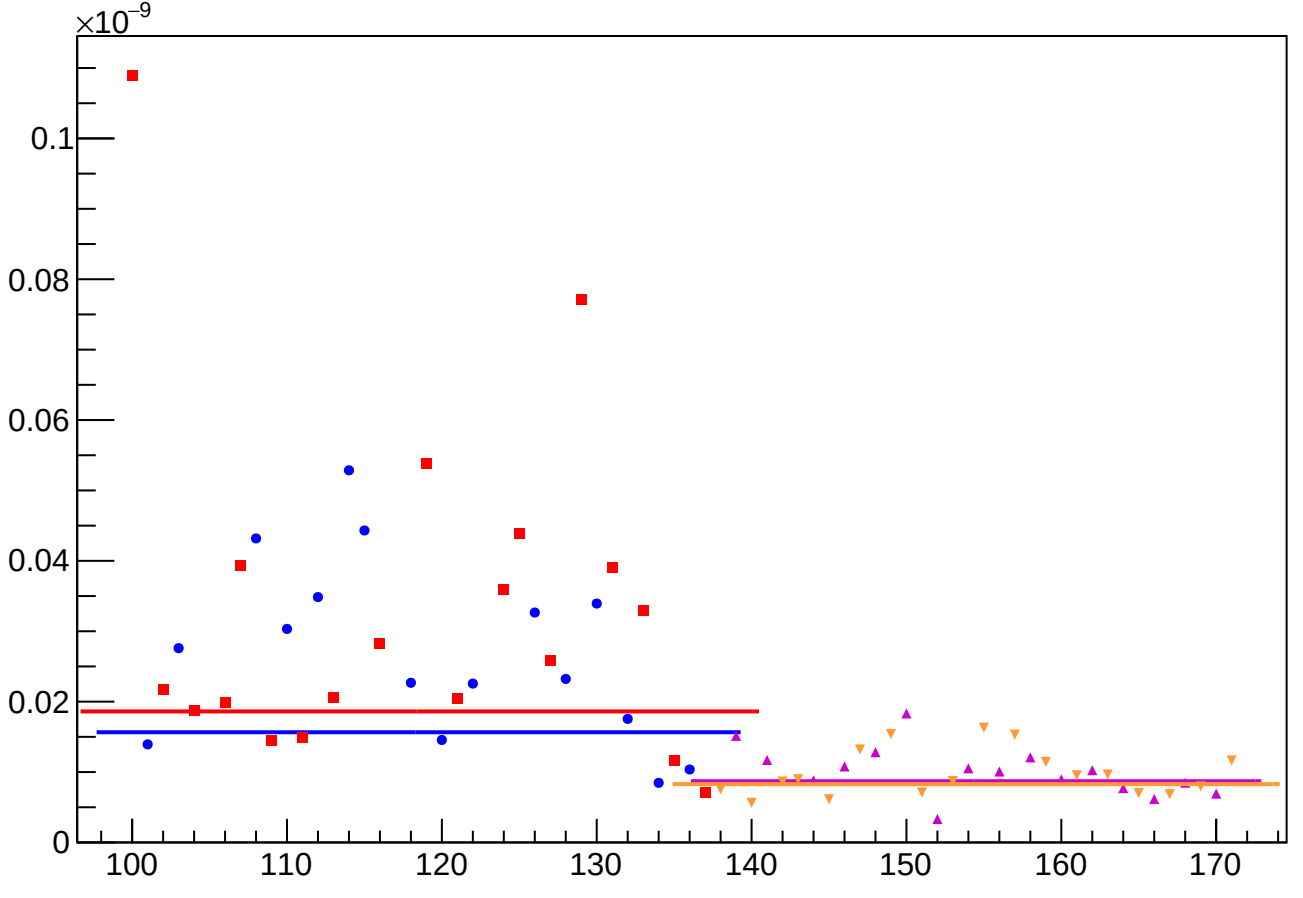
Left: -0.000+/-0.000 χ^2/NDF: 27.8/33

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:29.1/31

Out: -0.000+/-0.000 χ^2/NDF:29.7/36

All: -0.000+/-0.000 χ^2/NDF: 59.0/68



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:1130857.5/15

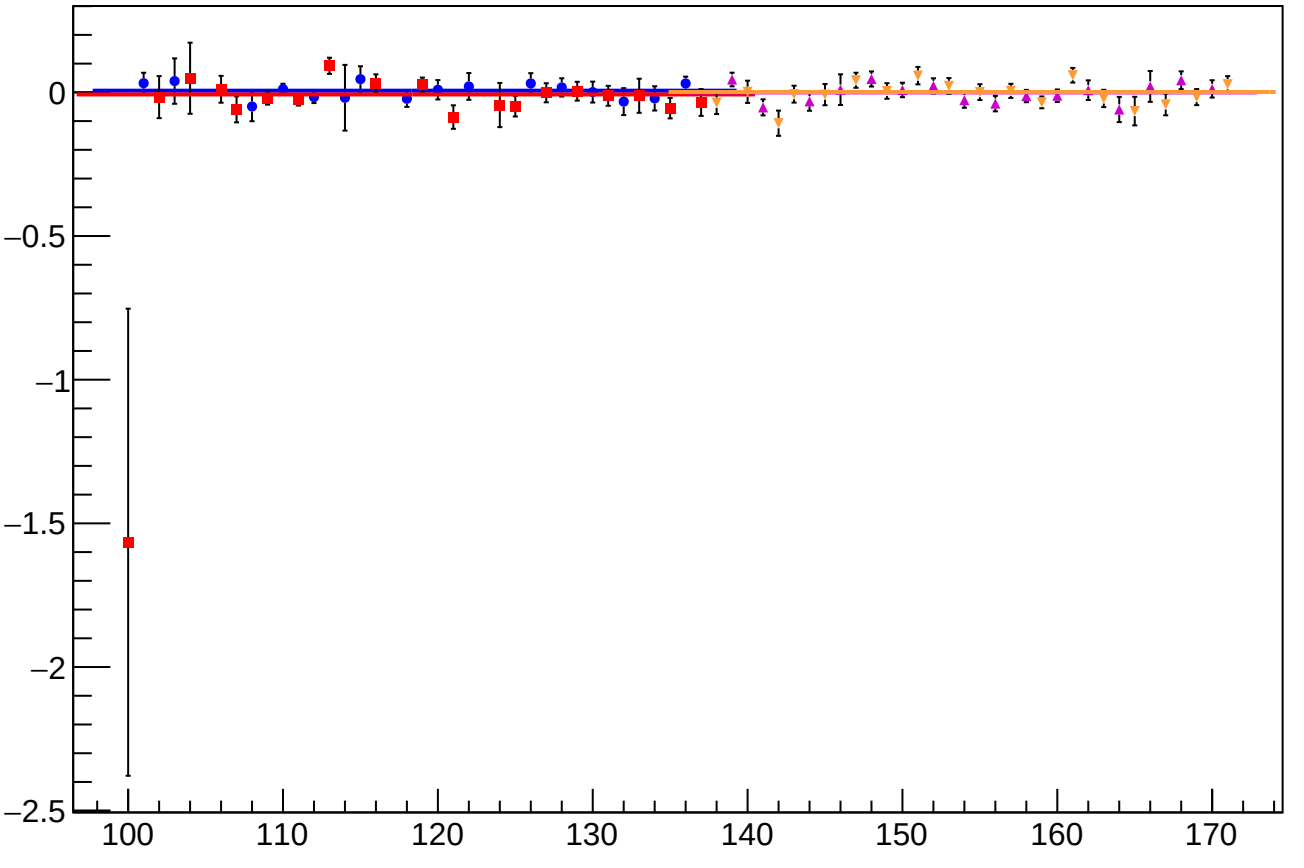
Left: 0.000+/-0.000 χ^2/NDF: 1971636.5/33

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:2990078.4/31

Out: 0.000+/-0.000 χ^2/NDF:3243292.2/36

All: 0.000+/-0.000 χ^2/NDF: 6248974.0/68



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: -0.000+/-0.007 χ^2/NDF:19.8/15

Left: 0.000+/-0.005 χ^2/NDF: 46.8/33

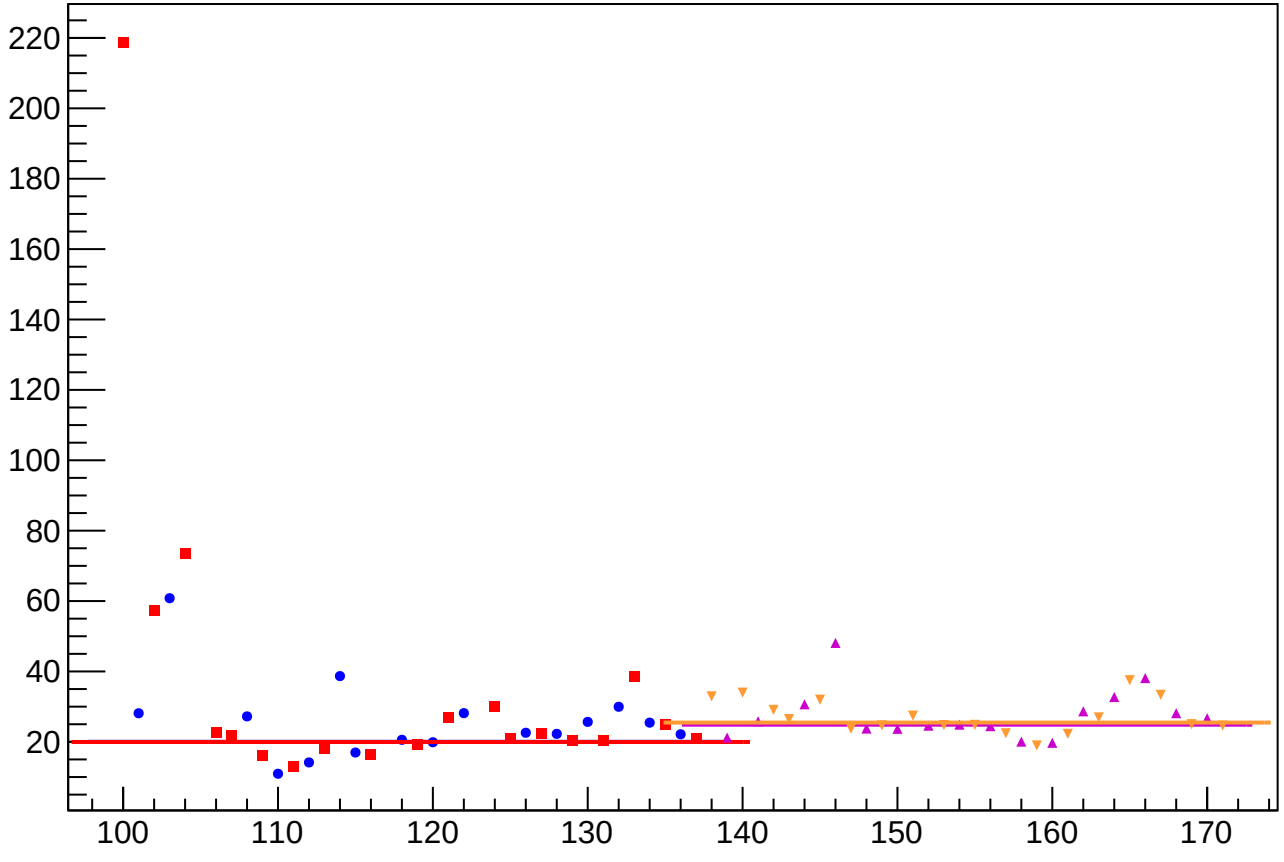
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.002+/-0.005 χ^2/NDF:57.4/36

All: -0.000+/-0.004 χ^2/NDF: 85.8/68

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 24.875+/-0.005 χ^2/NDF:953423.9/15

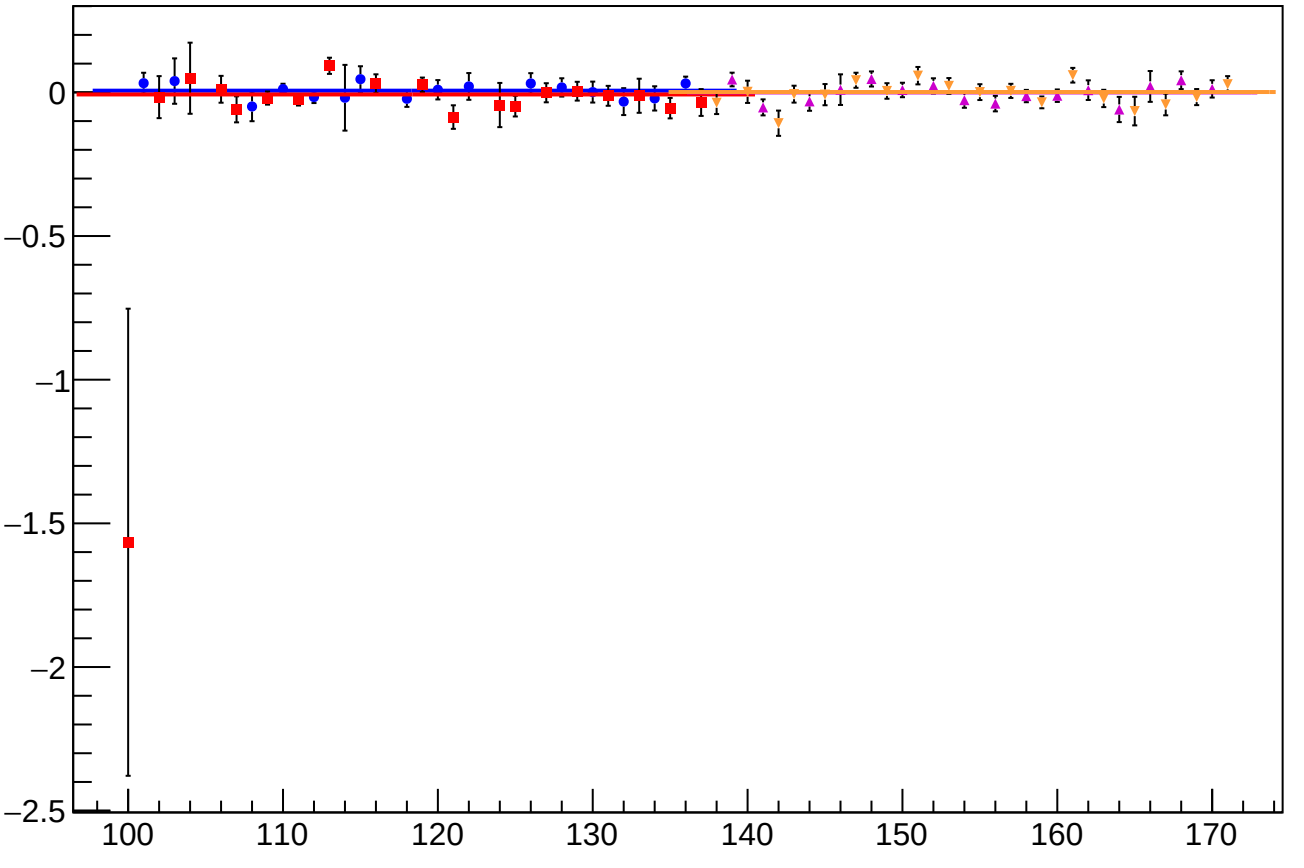
Left: 25.181+/-0.004 χ^2/NDF: 1700532.3/33

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.770+/-0.004 χ^2/NDF:2999647.9/31

Out: 23.126+/-0.004 χ^2/NDF:2988830.8/36

All: 22.951+/-0.003 χ^2/NDF: 5992937.3/68



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: -0.000+/-0.007 χ^2/NDF:19.8/15

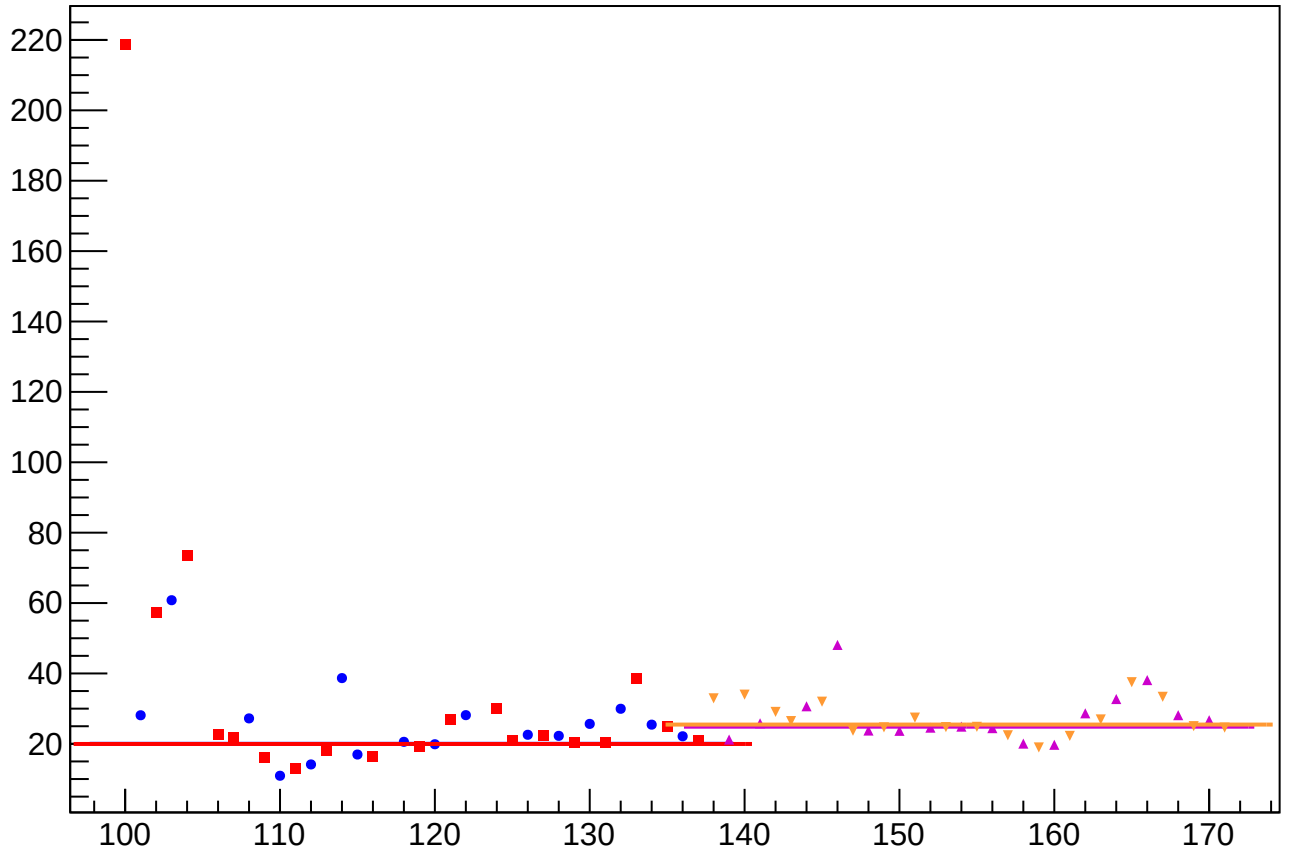
Left: 0.000+/-0.005 χ^2/NDF: 46.8/33

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.002+/-0.005 χ^2/NDF:57.4/36

All: -0.000+/-0.004 χ^2/NDF: 85.8/68



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: 24.875+/-0.005 χ^2/NDF:953423.9/15

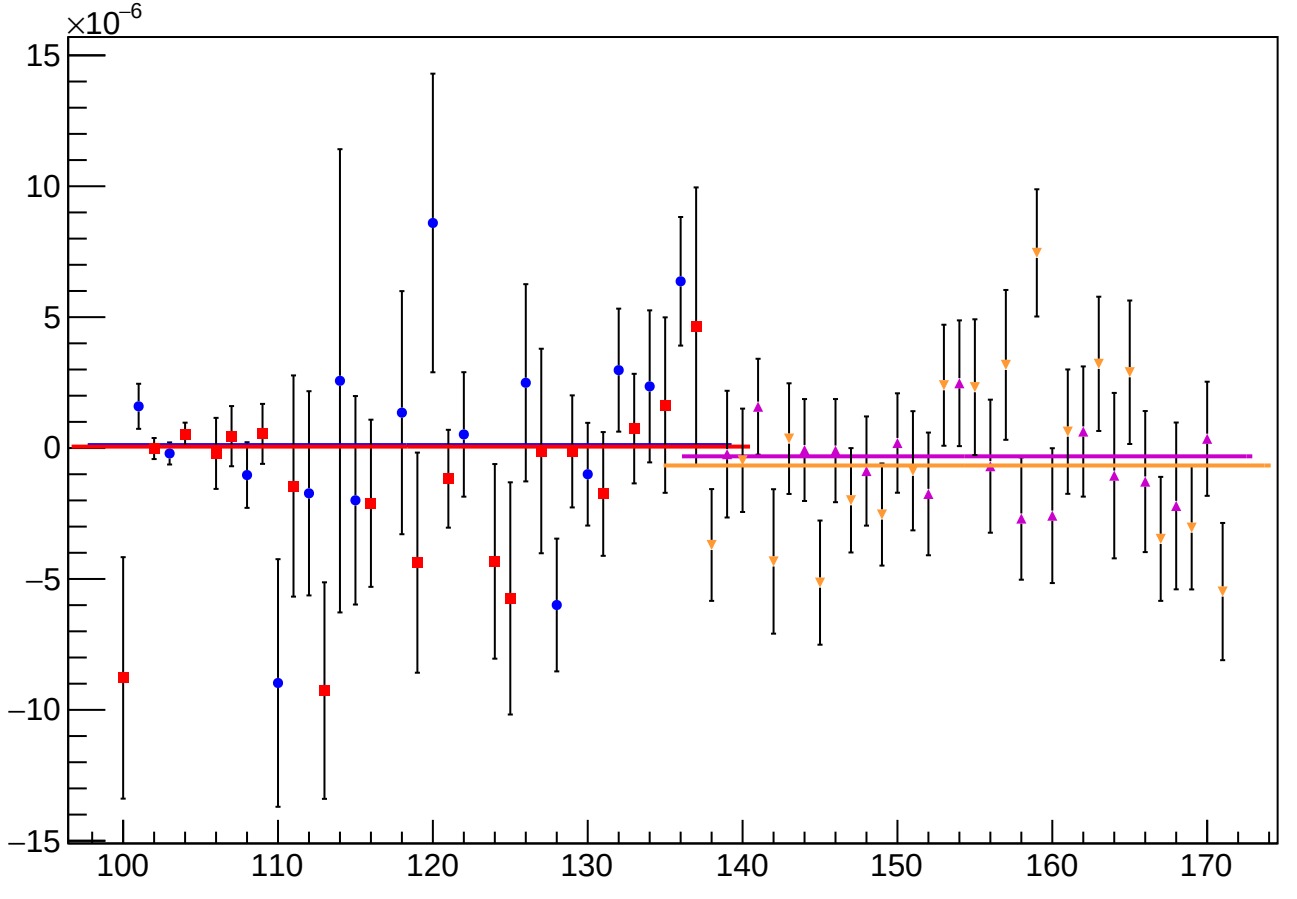
Left: 25.181+/-0.004 χ^2/NDF: 1700532.3/33

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 22.770+/-0.004 χ^2/NDF:2999647.9/31

Out: 23.126+/-0.004 χ^2/NDF:2988830.8/36

All: 22.951+/-0.003 χ^2/NDF: 5992937.3/68



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:5.6/15

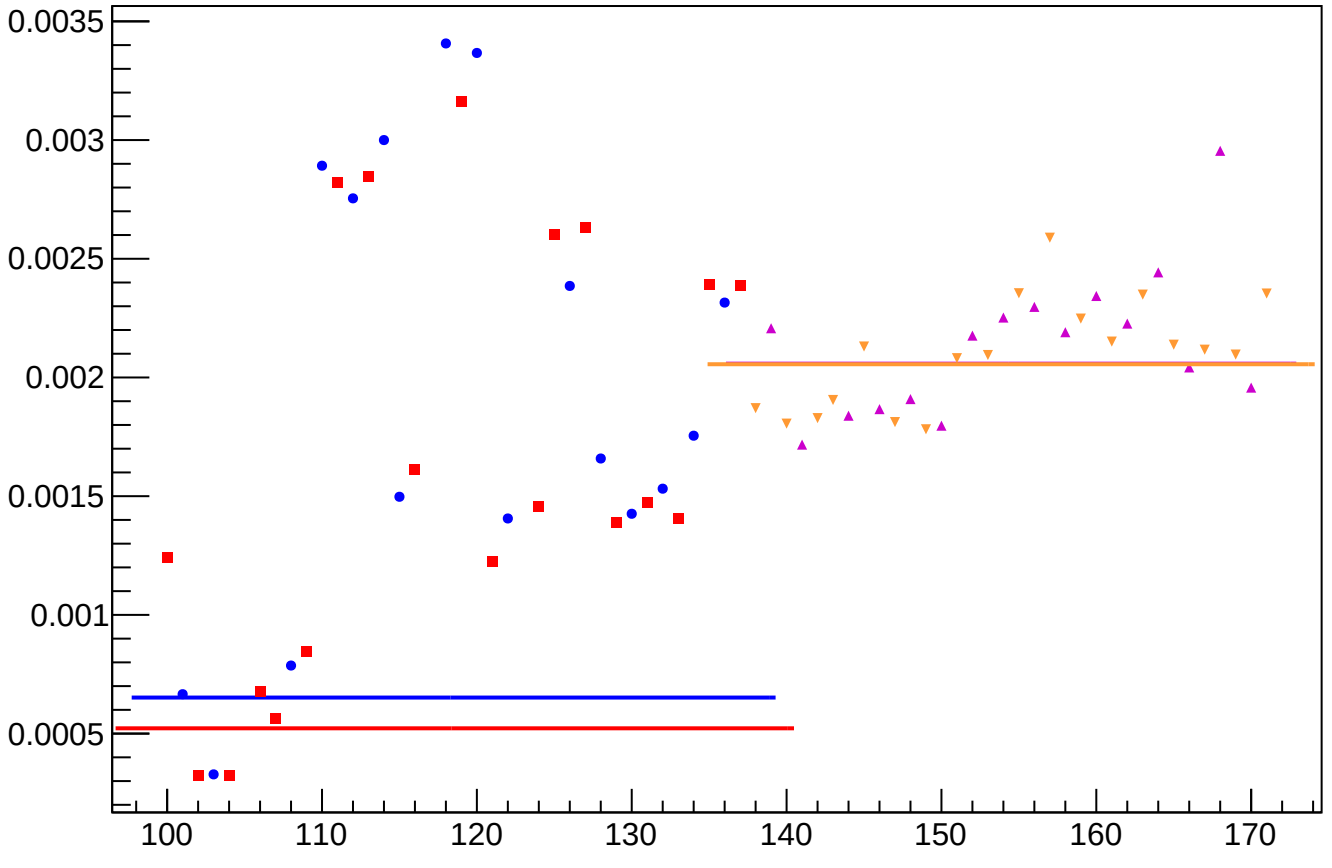
Left: -0.000+/-0.000 χ^2/NDF: 40.9/33

Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:32.0/31

Out: -0.000+/-0.000 χ^2/NDF:53.6/36

All: -0.000+/-0.000 χ^2/NDF: 85.7/68



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:437732.9/15

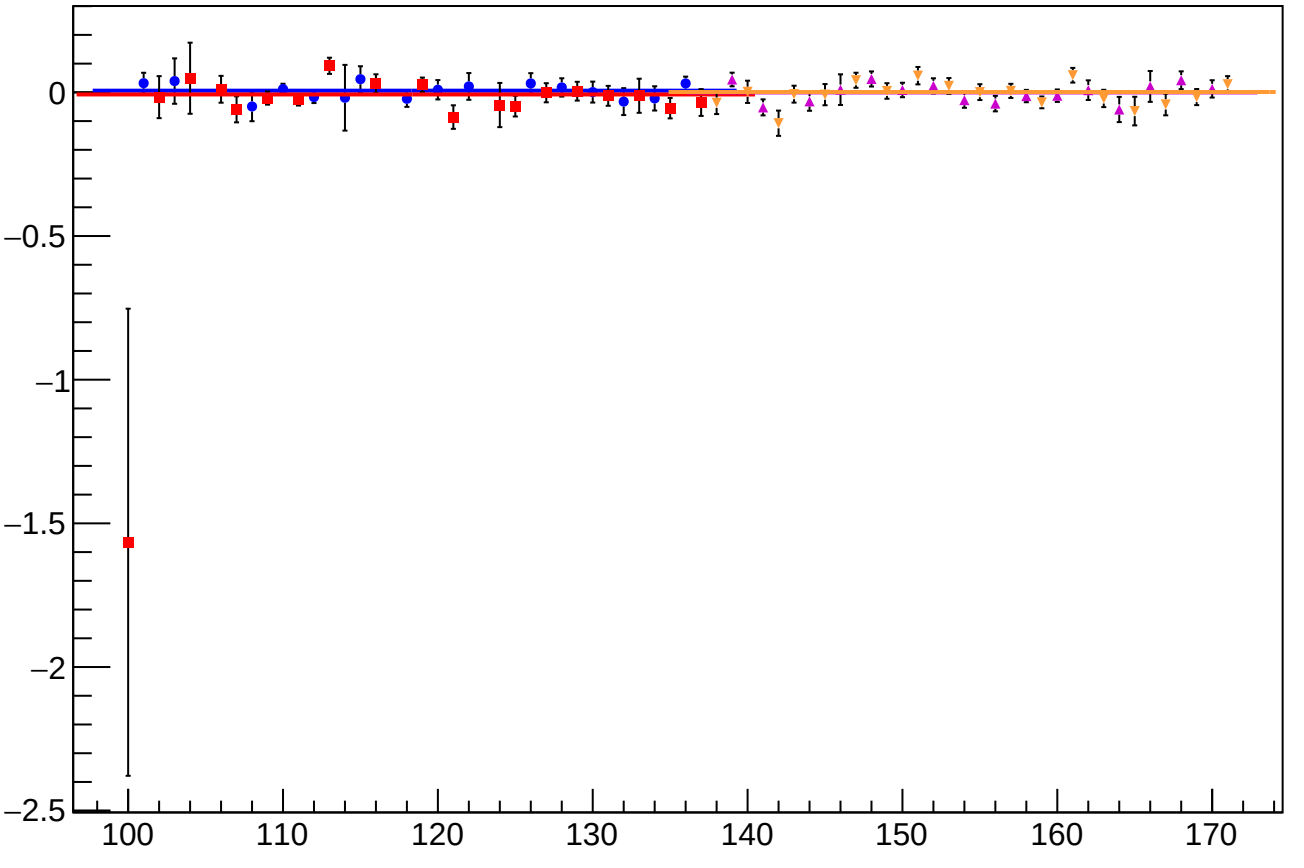
Left: 0.002+/-0.000 χ^2/NDF: 748179.6/33

Right: 0.001+/-0.000 χ^2/NDF: 13221881.1/34

In: 0.001+/-0.000 χ^2/NDF:15807953.1/31

Out: 0.001+/-0.000 χ^2/NDF:19704202.4/36

All: 0.001+/-0.000 χ^2/NDF: 36118684.4/68



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: -0.000+/-0.007 χ^2/NDF:19.8/15

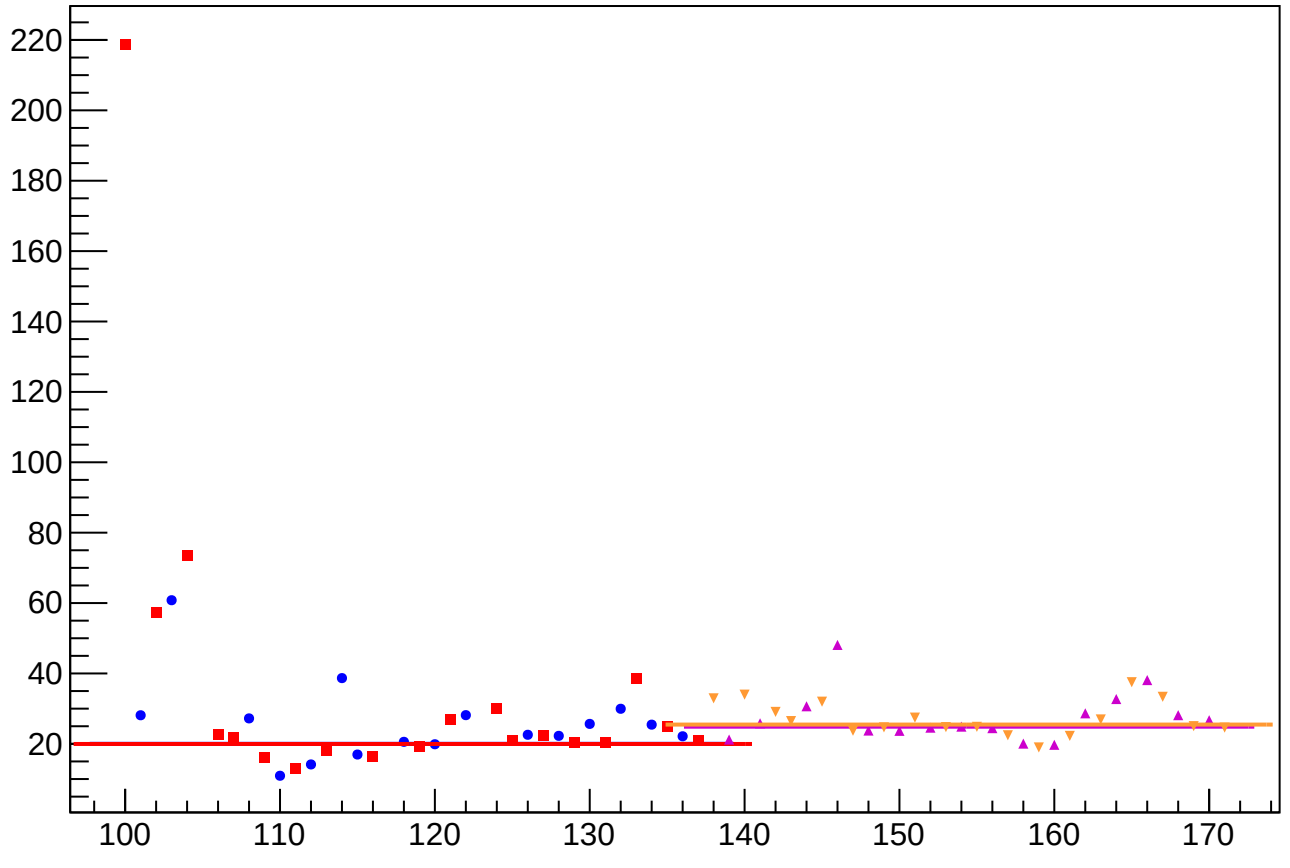
Left: 0.000+/-0.005 χ^2/NDF: 46.8/33

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.002+/-0.005 χ^2/NDF:57.4/36

All: -0.000+/-0.004 χ^2/NDF: 85.8/68



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: 24.875+/-0.005 χ^2/NDF:953478.0/15

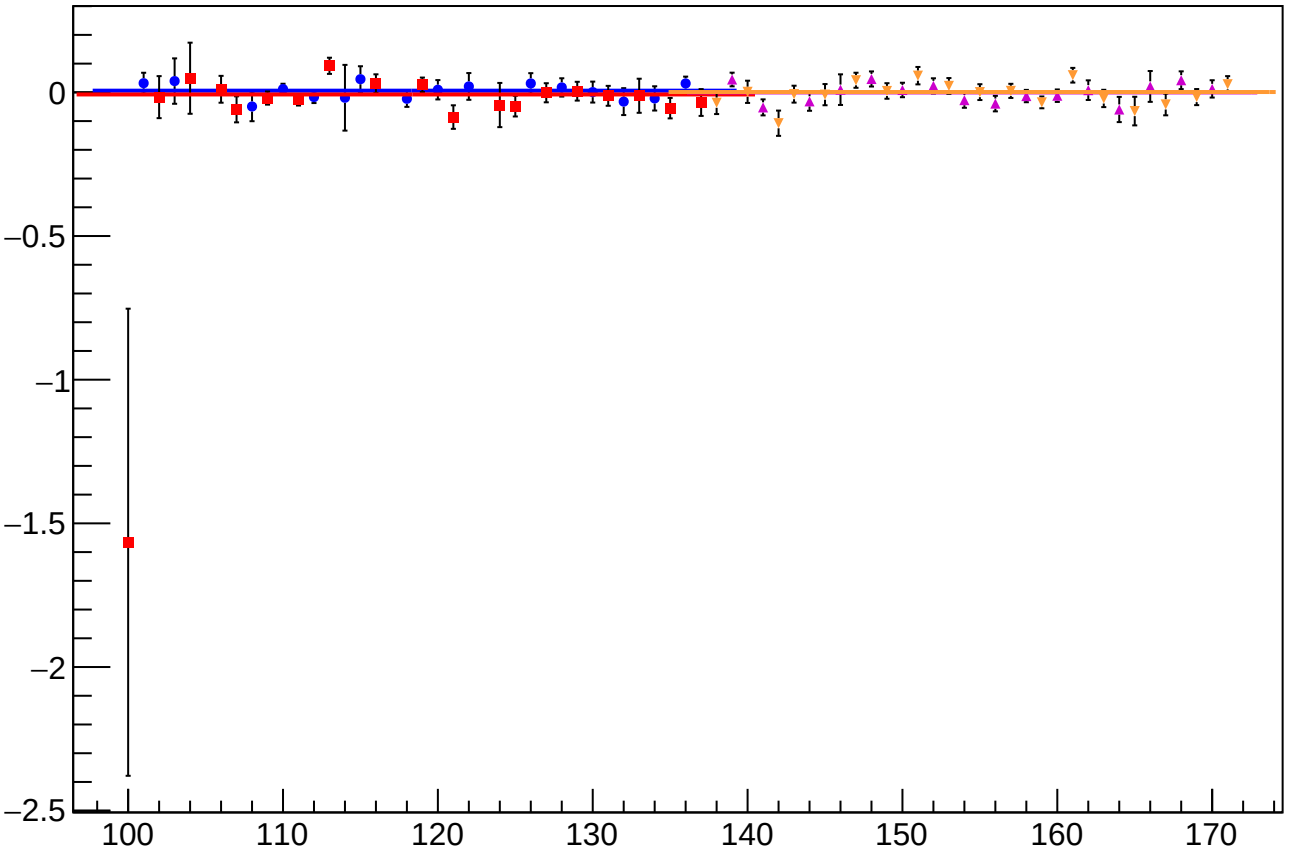
Left: 25.181+/-0.004 χ^2/NDF: 1700629.6/33

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.770+/-0.004 χ^2/NDF:2999435.6/31

Out: 23.126+/-0.004 χ^2/NDF:2988779.3/36

All: 22.951+/-0.003 χ^2/NDF: 5992669.4/68



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: -0.000+/-0.007 χ^2/NDF:19.8/15

Left: 0.000+/-0.005 χ^2/NDF: 46.8/33

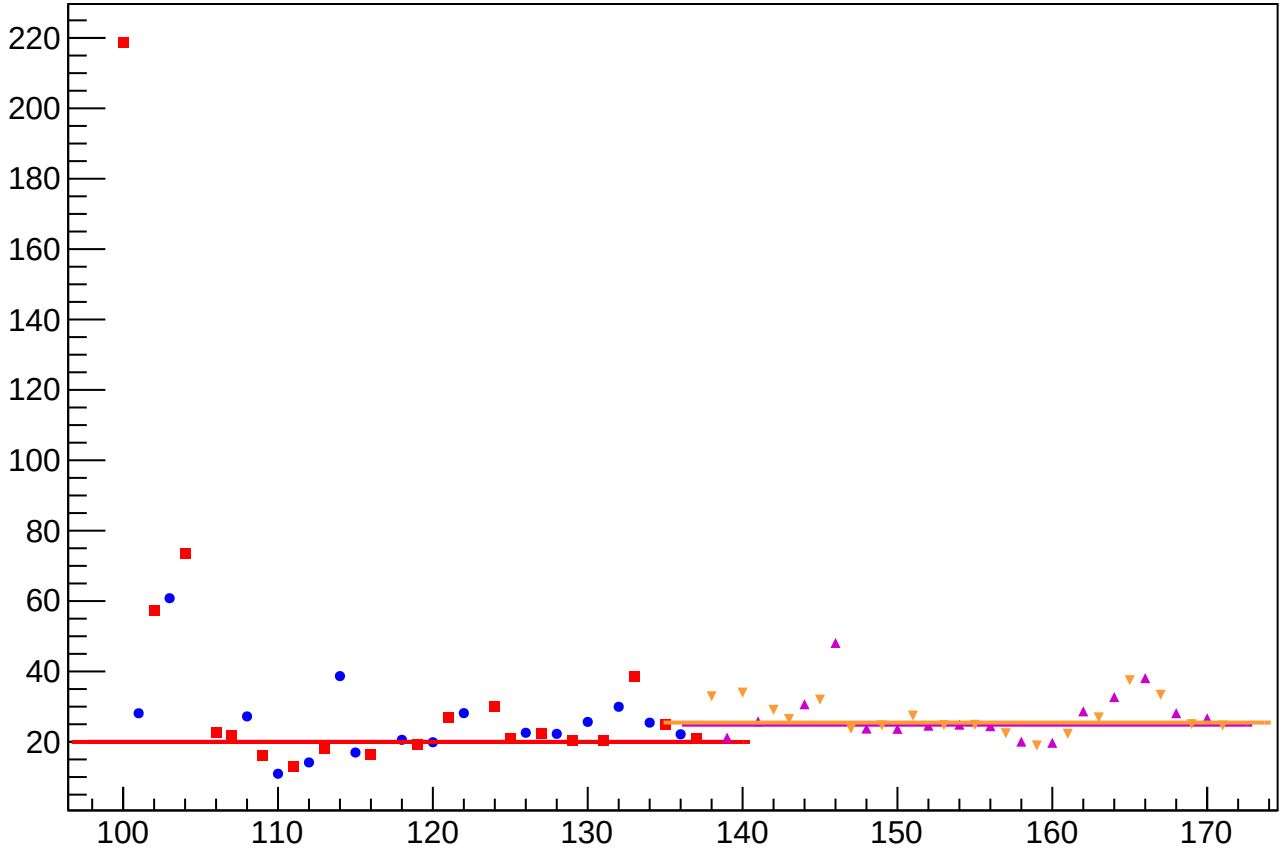
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.002+/-0.005 χ^2/NDF:28.0/31

Out: -0.002+/-0.005 χ^2/NDF:57.4/36

All: -0.000+/-0.004 χ^2/NDF: 85.8/68

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: 24.875+/-0.005 χ^2/NDF:953478.0/15

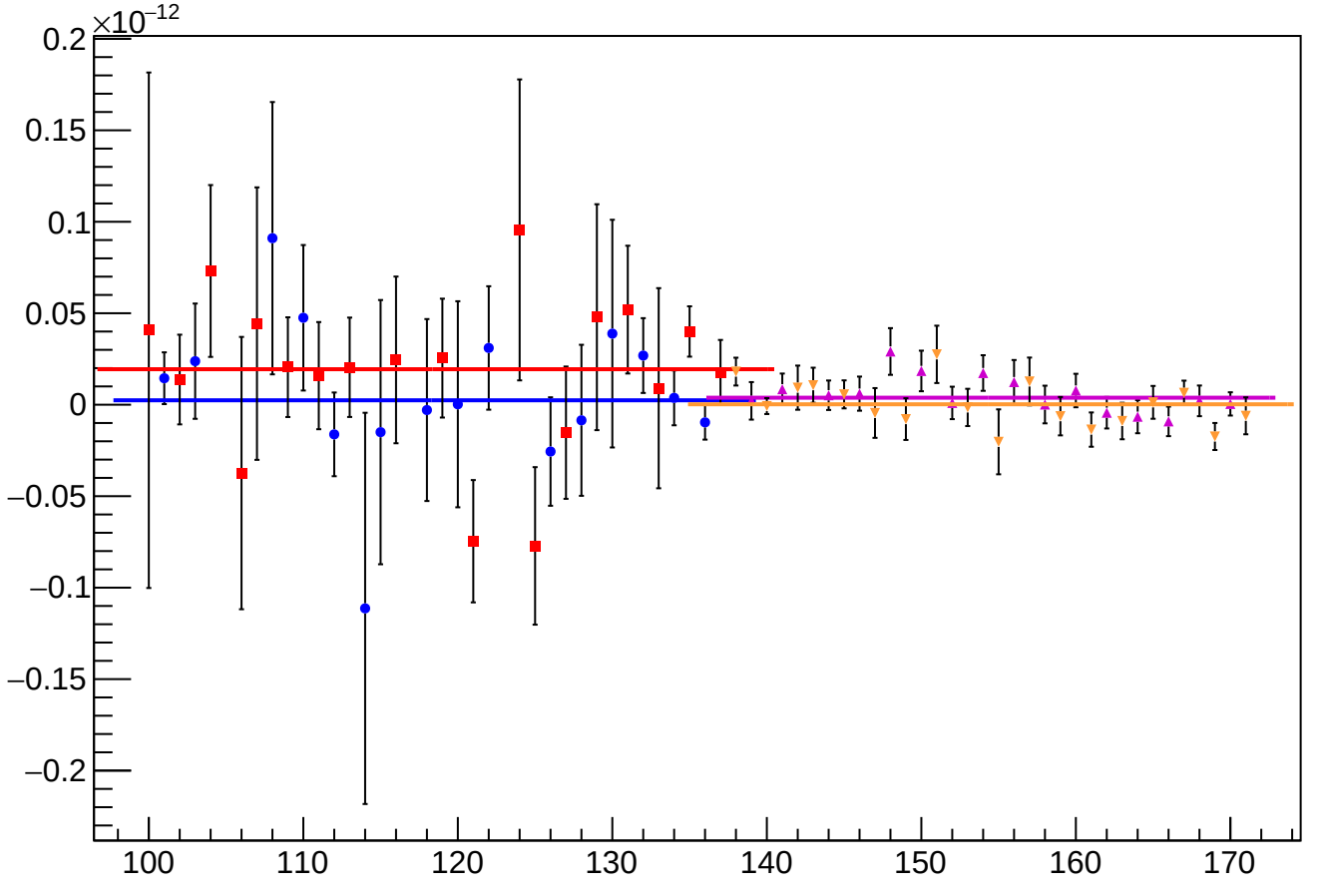
Left: 25.181+/-0.004 χ^2/NDF: 1700629.6/33

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 22.770+/-0.004 χ^2/NDF:2999435.6/31

Out: 23.126+/-0.004 χ^2/NDF:2988779.3/36

All: 22.951+/-0.003 χ^2/NDF: 5992669.4/68



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:14.0/15

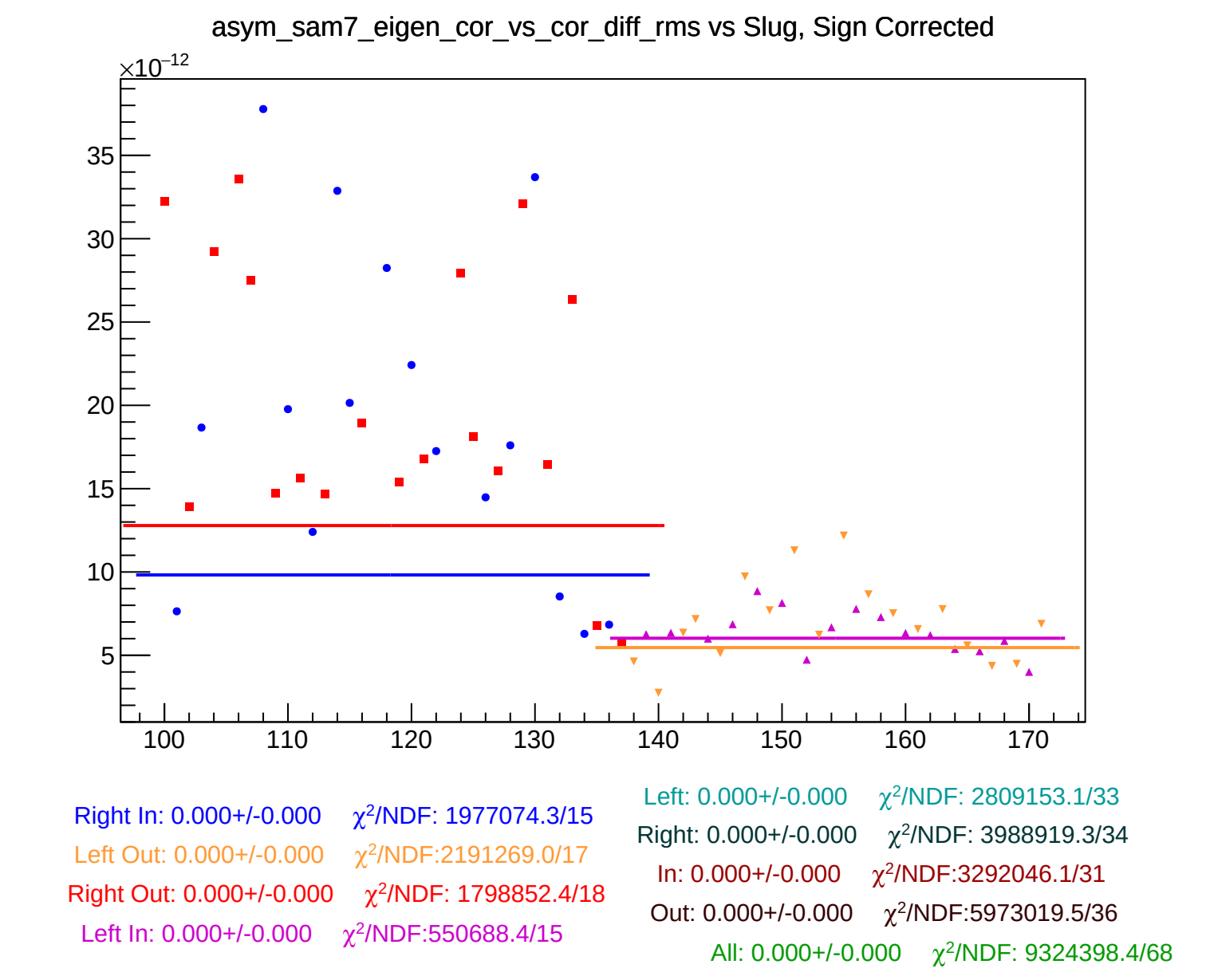
Left: 0.000+/-0.000 χ^2/NDF: 39.5/33

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

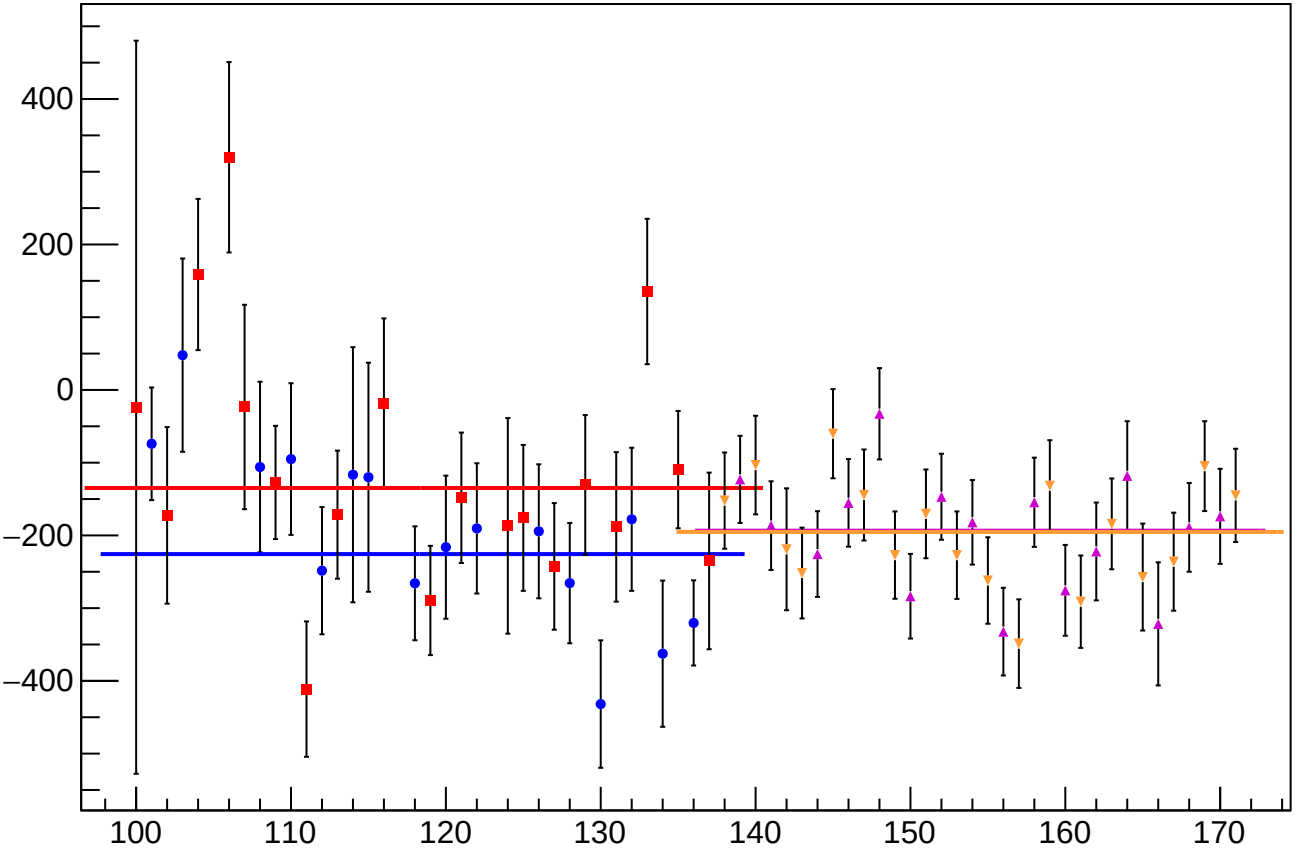
In: 0.000+/-0.000 χ^2/NDF:24.9/31

Out: 0.000+/-0.000 χ^2/NDF:51.2/36

All: 0.000+/-0.000 χ^2/NDF: 76.5/68


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:550688.4/15
Left: 0.000+/-0.000 χ²/NDF: 2809153.1/33
Right: 0.000+/-0.000 χ²/NDF: 3988919.3/34
In: 0.000+/-0.000 χ²/NDF:3292046.1/31
Out: 0.000+/-0.000 χ²/NDF:5973019.5/36
All: 0.000+/-0.000 χ²/NDF: 9324398.4/68

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: -193.514+/-15.655 χ^2/NDF:22.7/15

Left: -194.370+/-10.852 χ^2/NDF: 46.9/33

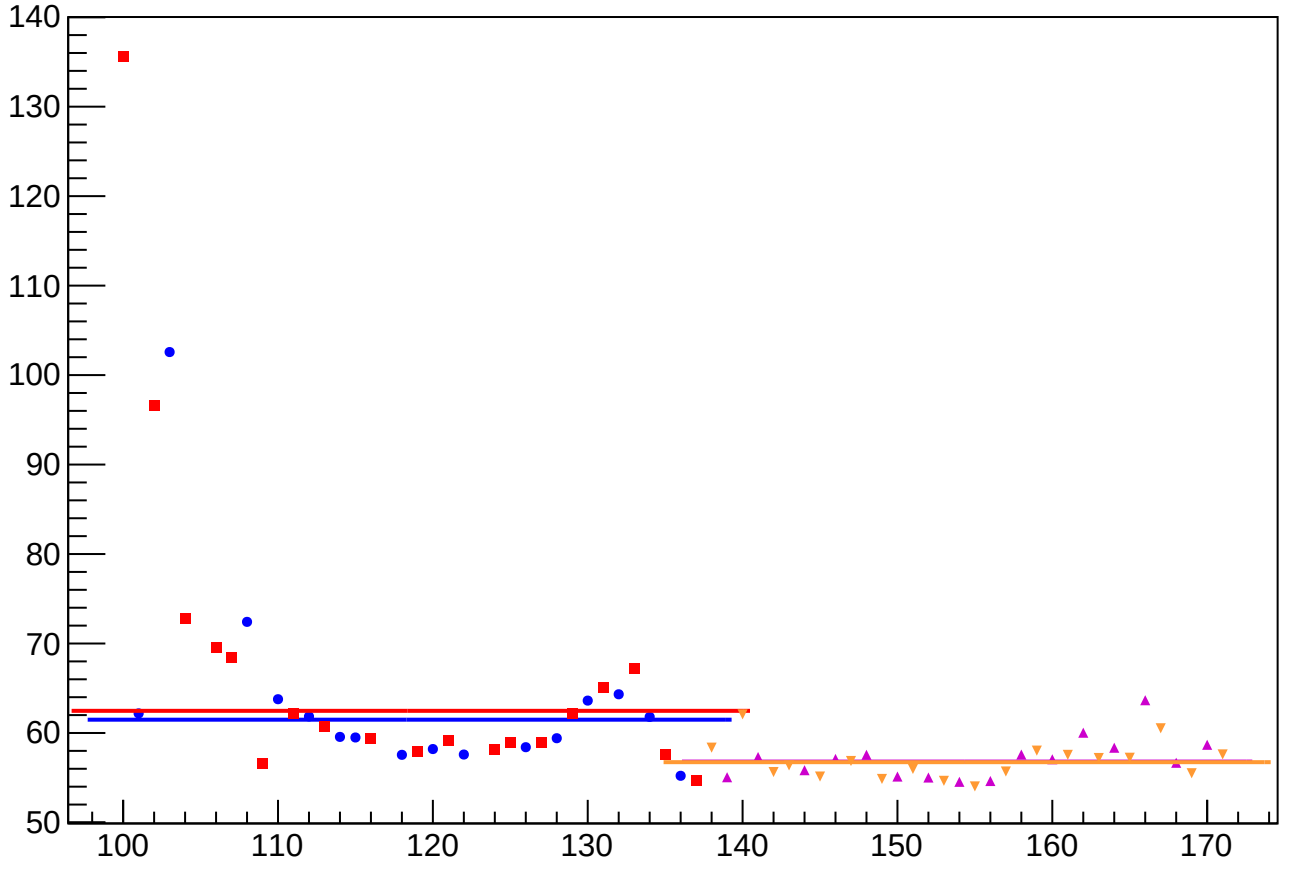
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -203.631+/-12.963 χ^2/NDF:46.7/31

Out: -177.254+/-12.628 χ^2/NDF:74.2/36

All: -190.097+/-9.045 χ^2/NDF: 123.0/68

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: 56.805+/-0.011 χ^2/NDF:32419.3/15

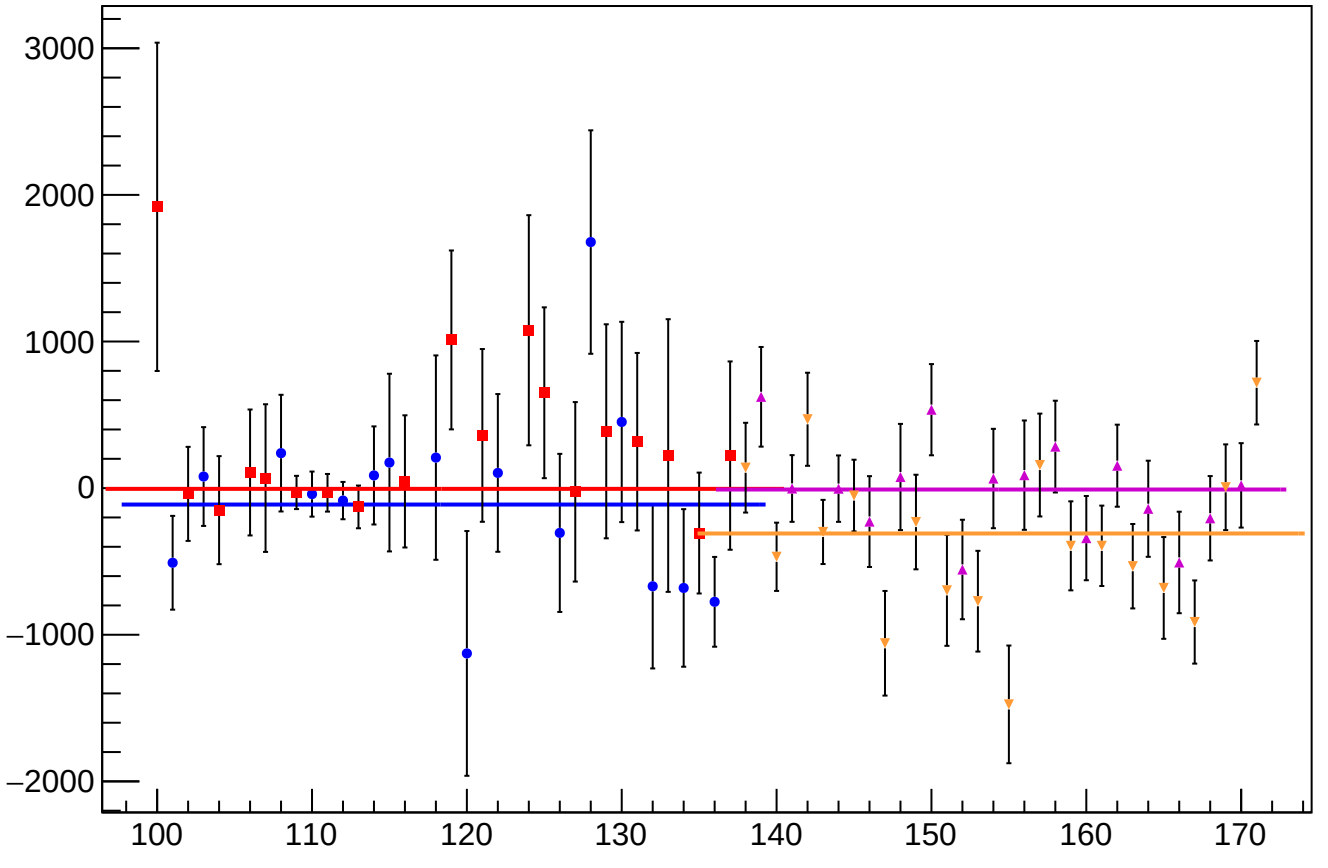
Left: 56.770+/-0.008 χ^2/NDF: 66143.7/33

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.277+/-0.009 χ^2/NDF:339305.2/31

Out: 58.439+/-0.009 χ^2/NDF:400972.3/36

All: 58.360+/-0.006 χ^2/NDF: 740439.2/68



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: -9.422+/-75.090 χ^2/NDF:15.0/15

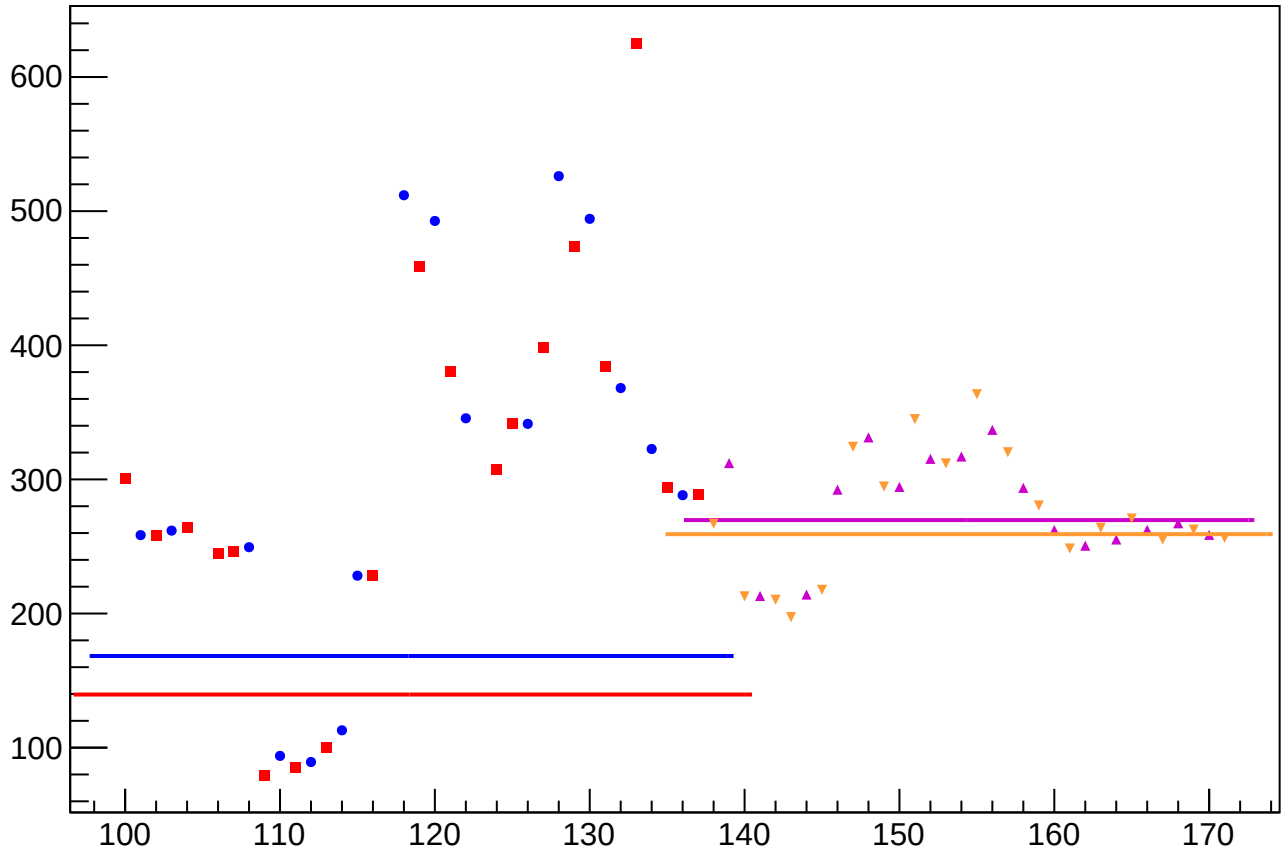
Left: -170.161+/-51.146 χ^2/NDF: 71.5/33

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -59.893+/-53.489 χ^2/NDF:34.4/31

Out: -143.634+/-47.162 χ^2/NDF:69.9/36

All: -107.006+/-35.375 χ^2/NDF: 105.7/68



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: 269.678+/-0.053 χ^2/NDF:527403.8/15

Left: 264.047+/-0.036 χ^2/NDF: 1347206.3/33

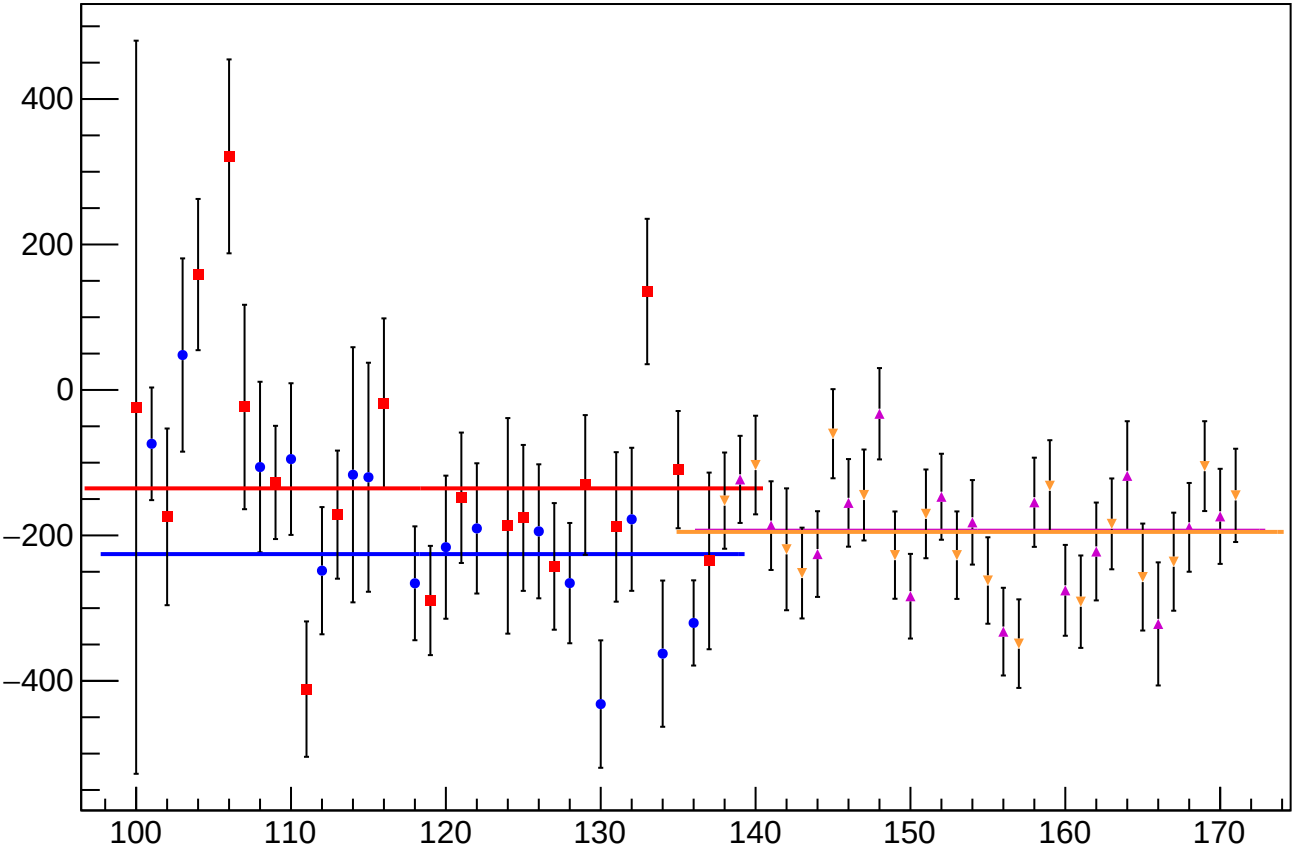
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 219.756+/-0.038 χ^2/NDF:6866118.1/31

Out: 194.099+/-0.033 χ^2/NDF:9142198.7/36

All: 205.321+/-0.025 χ^2/NDF: 16267201.0/68

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: -193.517+/-15.655 χ^2/NDF:22.7/15

Left: -194.371+/-10.852 χ^2/NDF: 46.9/33

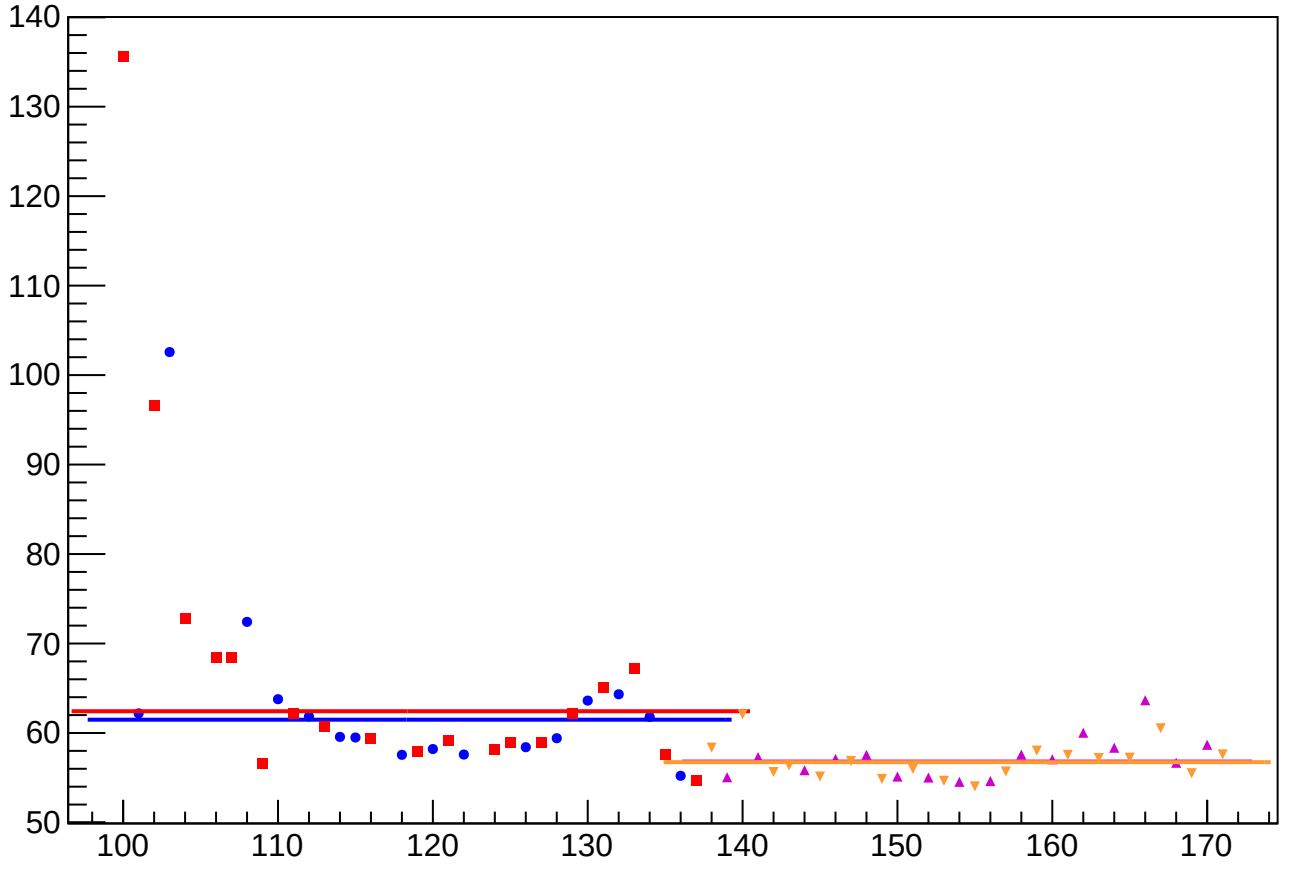
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -203.633+/-12.963 χ^2/NDF:46.7/31

Out: -177.430+/-12.630 χ^2/NDF:73.8/36

All: -190.191+/-9.046 χ^2/NDF: 122.5/68

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: 56.805+/-0.011 χ^2/NDF:32419.3/15

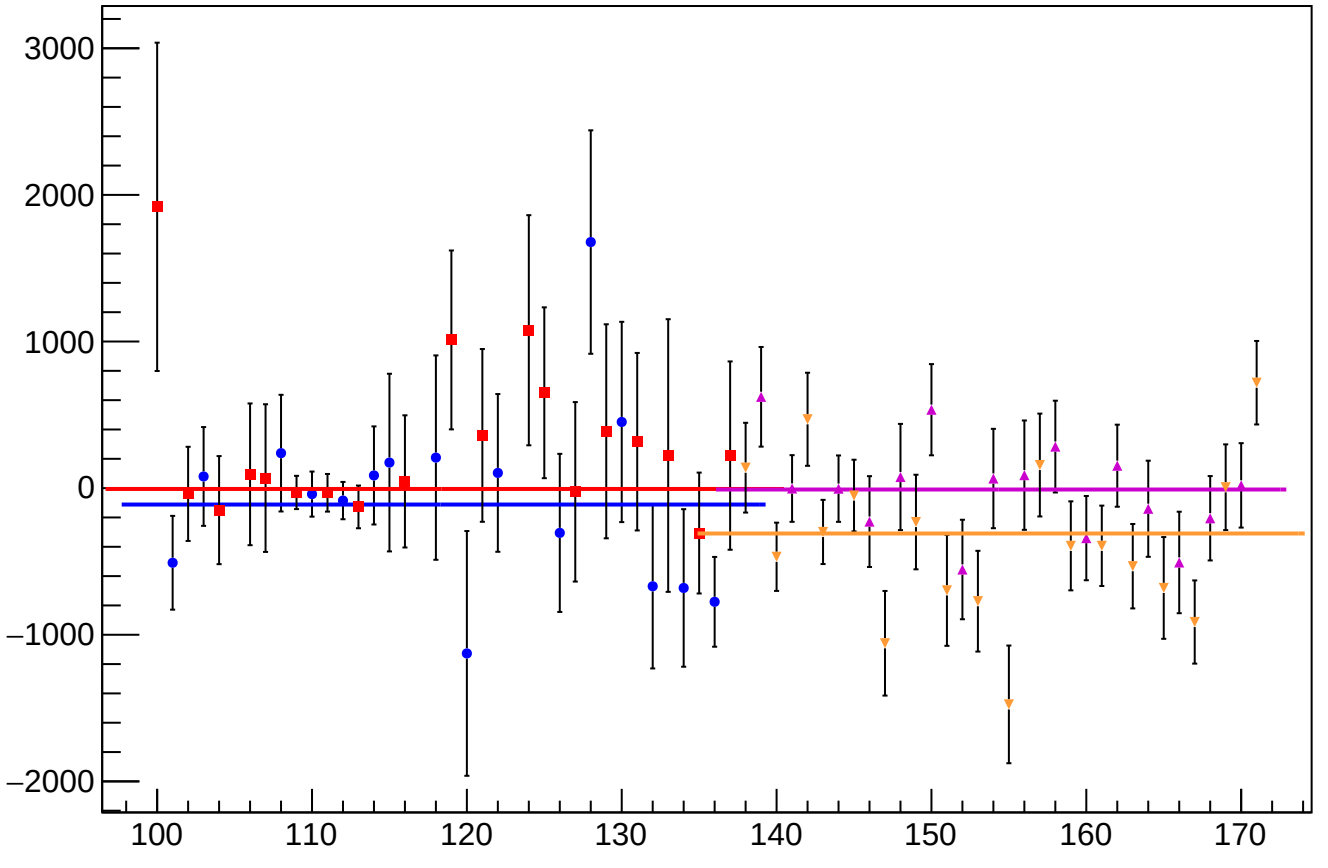
Left: 56.770+/-0.008 χ^2/NDF: 66143.7/33

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.277+/-0.009 χ^2/NDF:339307.8/31

Out: 58.425+/-0.009 χ^2/NDF:397875.5/36

All: 58.353+/-0.006 χ^2/NDF: 737318.1/68



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: -9.426+/-75.090 χ^2/NDF:15.0/15

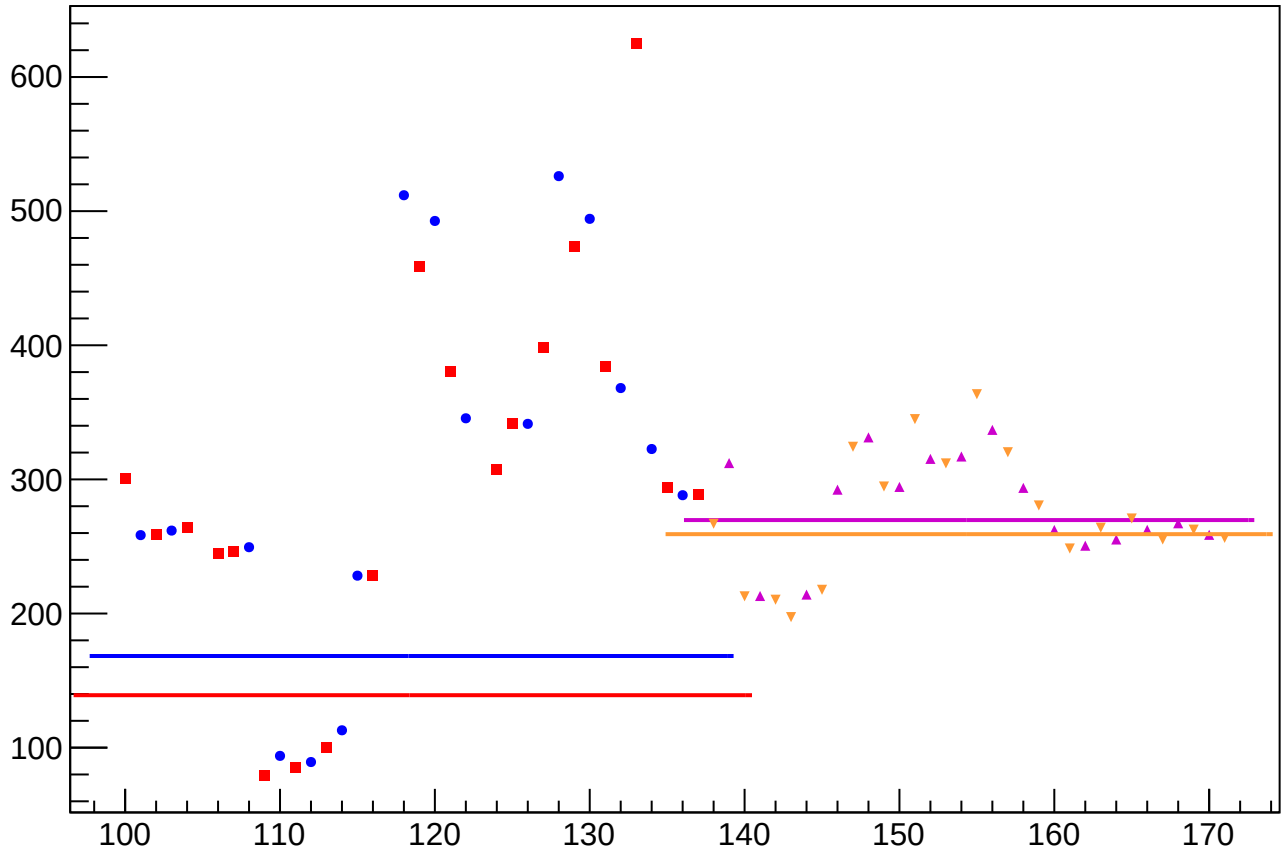
Left: -170.161+/-51.146 χ^2/NDF: 71.5/33

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -59.886+/-53.489 χ^2/NDF:34.4/31

Out: -144.384+/-47.223 χ^2/NDF:69.8/36

All: -107.372+/-35.401 χ^2/NDF: 105.6/68



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: 269.678+/-0.053 χ^2/NDF:527402.6/15

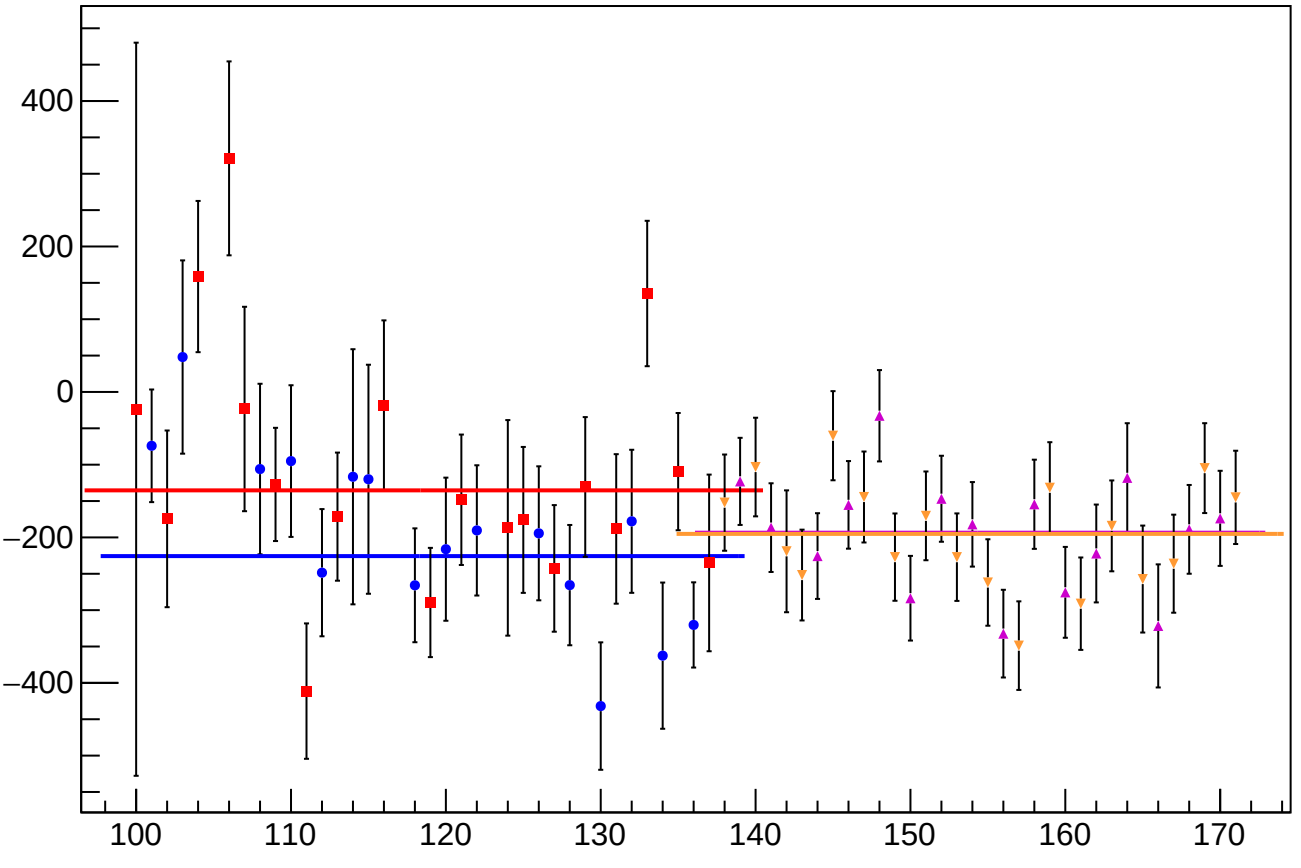
Left: 264.047+/-0.036 χ^2/NDF: 1347210.2/33

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 219.756+/-0.038 χ^2/NDF:6866150.6/31

Out: 193.975+/-0.033 χ^2/NDF:9137210.8/36

All: 205.268+/-0.025 χ^2/NDF: 16264474.2/68



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: -193.517+/-15.655 χ^2/NDF:22.7/15

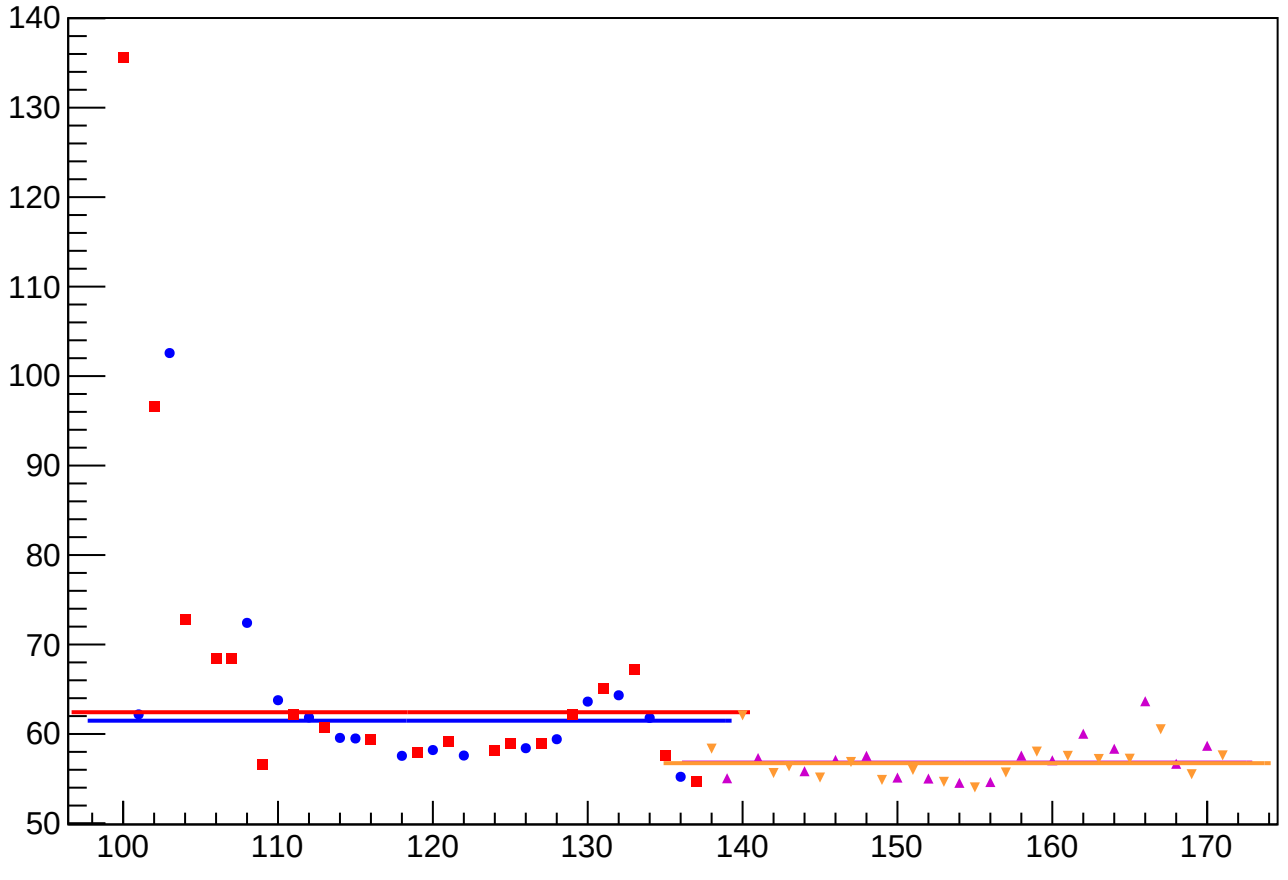
Left: -194.371+/-10.852 χ^2/NDF: 46.9/33

Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -203.633+/-12.963 χ^2/NDF:46.7/31

Out: -177.430+/-12.630 χ^2/NDF:73.8/36

All: -190.191+/-9.046 χ^2/NDF: 122.5/68



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: 56.805+/-0.011 χ^2/NDF:32419.3/15

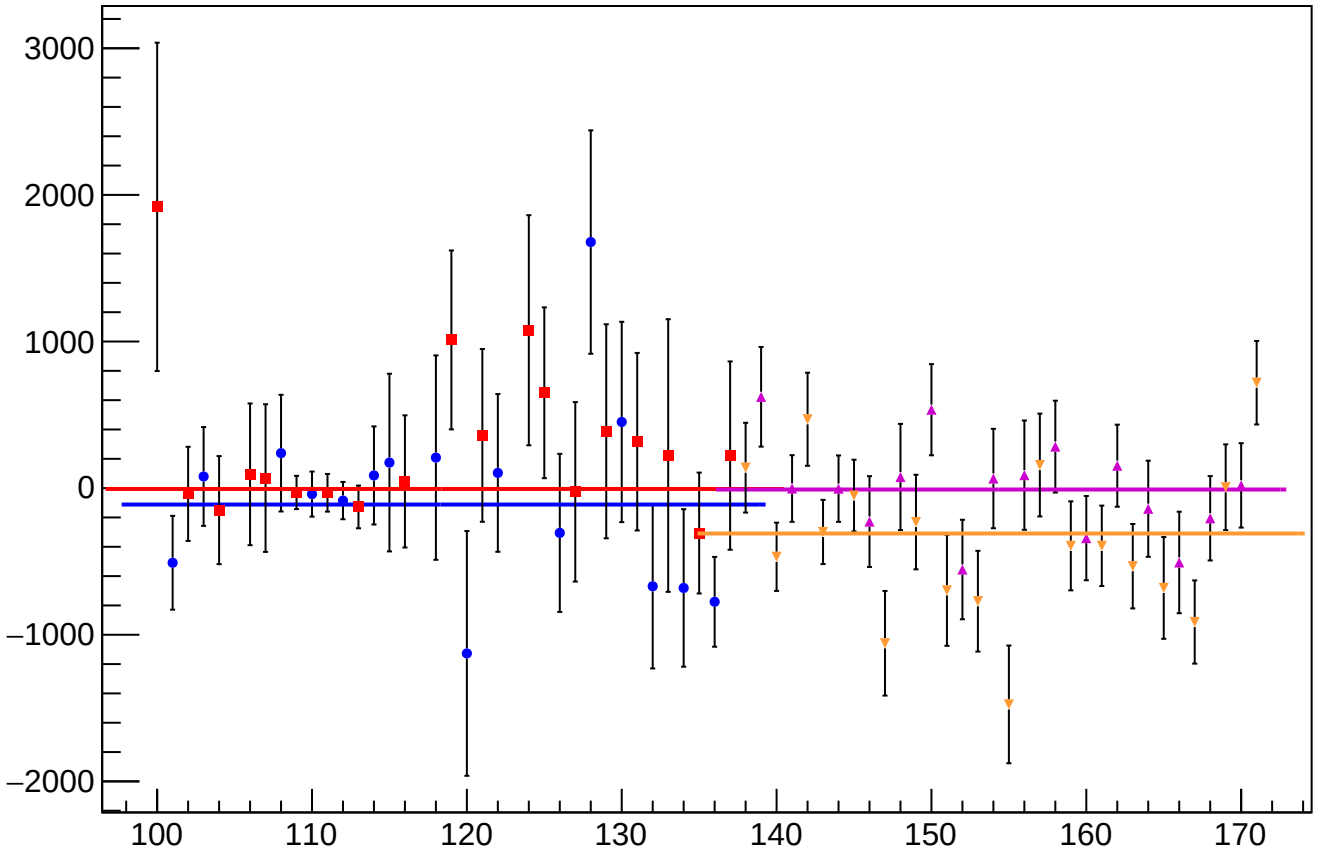
Left: 56.770+/-0.008 χ^2/NDF: 66143.7/33

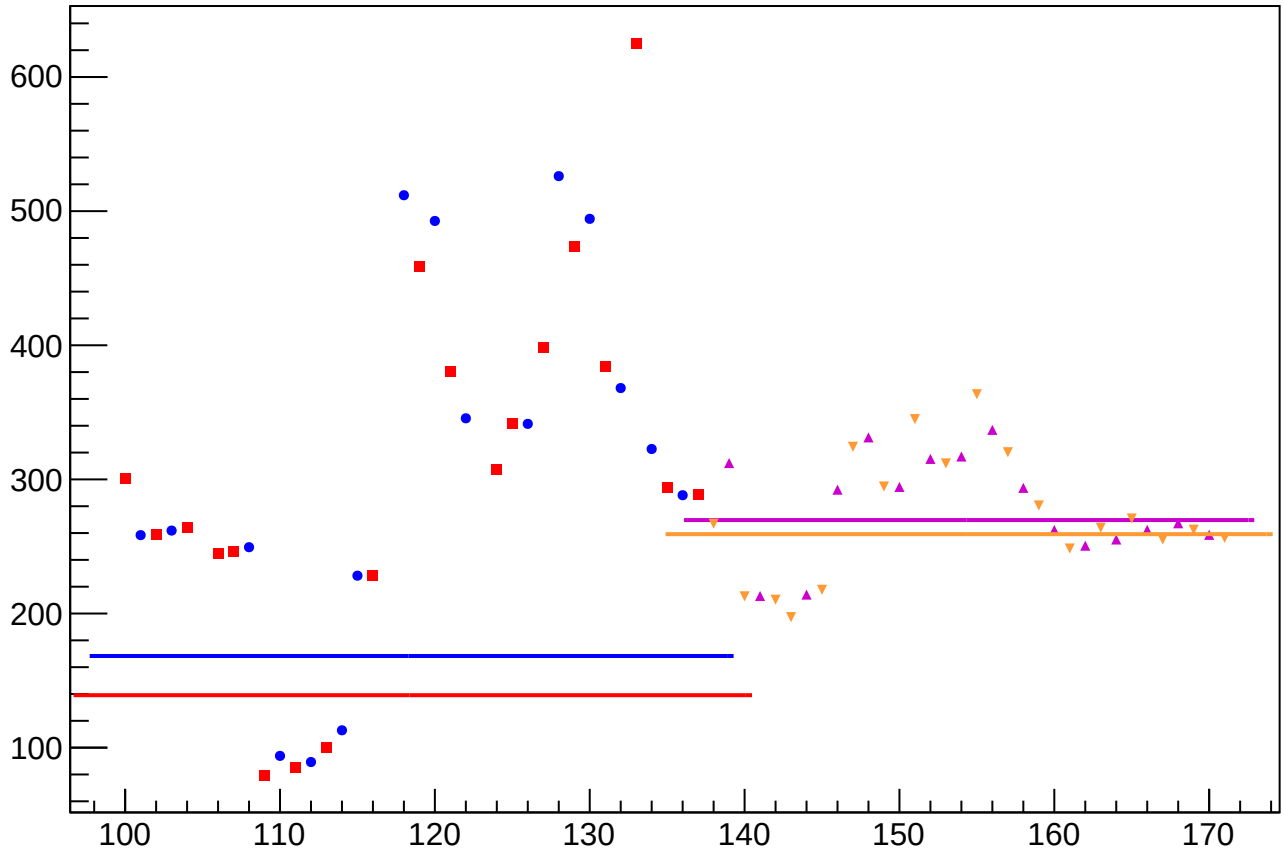
Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.277+/-0.009 χ^2/NDF:339307.8/31

Out: 58.425+/-0.009 χ^2/NDF:397875.5/36

All: 58.353+/-0.006 χ^2/NDF: 737318.1/68


asym_sam8_eigen_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: -9.426+/-75.090 χ²/NDF:15.0/15
Left: -170.161+/-51.146 χ²/NDF: 71.5/33
Right: -49.624+/-49.049 χ²/NDF: 31.2/34
In: -59.886+/-53.489 χ²/NDF:34.4/31
Out: -144.384+/-47.223 χ²/NDF:69.8/36
All: -107.372+/-35.401 χ²/NDF: 105.6/68



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: 269.678+/-0.053 χ^2/NDF:527402.6/15

Left: 264.047+/-0.036 χ^2/NDF: 1347210.2/33

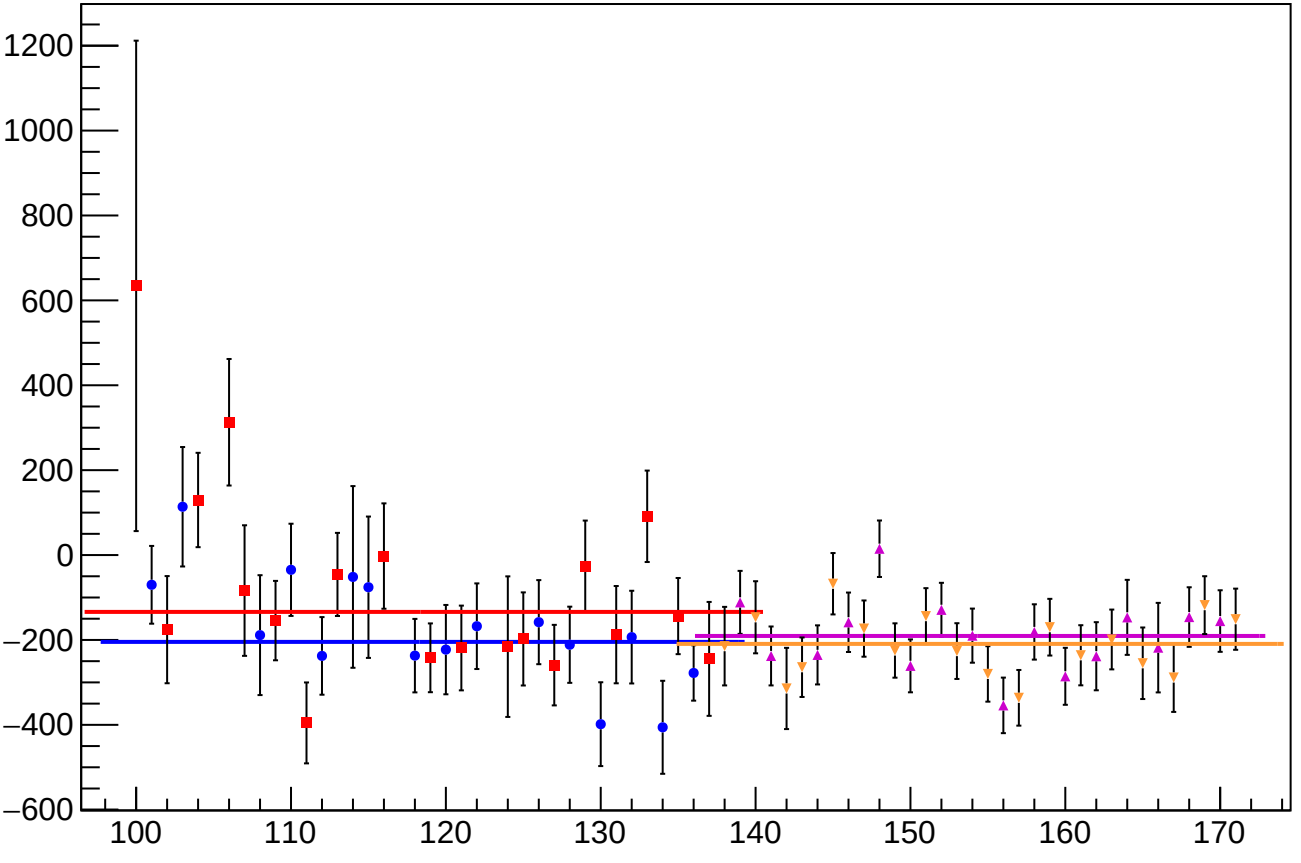
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 219.756+/-0.038 χ^2/NDF:6866150.6/31

Out: 193.975+/-0.033 χ^2/NDF:9137210.8/36

All: 205.268+/-0.025 χ^2/NDF: 16264474.2/68

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: -190.586+/-17.585 χ^2/NDF:23.6/15

Left: -200.303+/-12.198 χ^2/NDF: 40.9/33

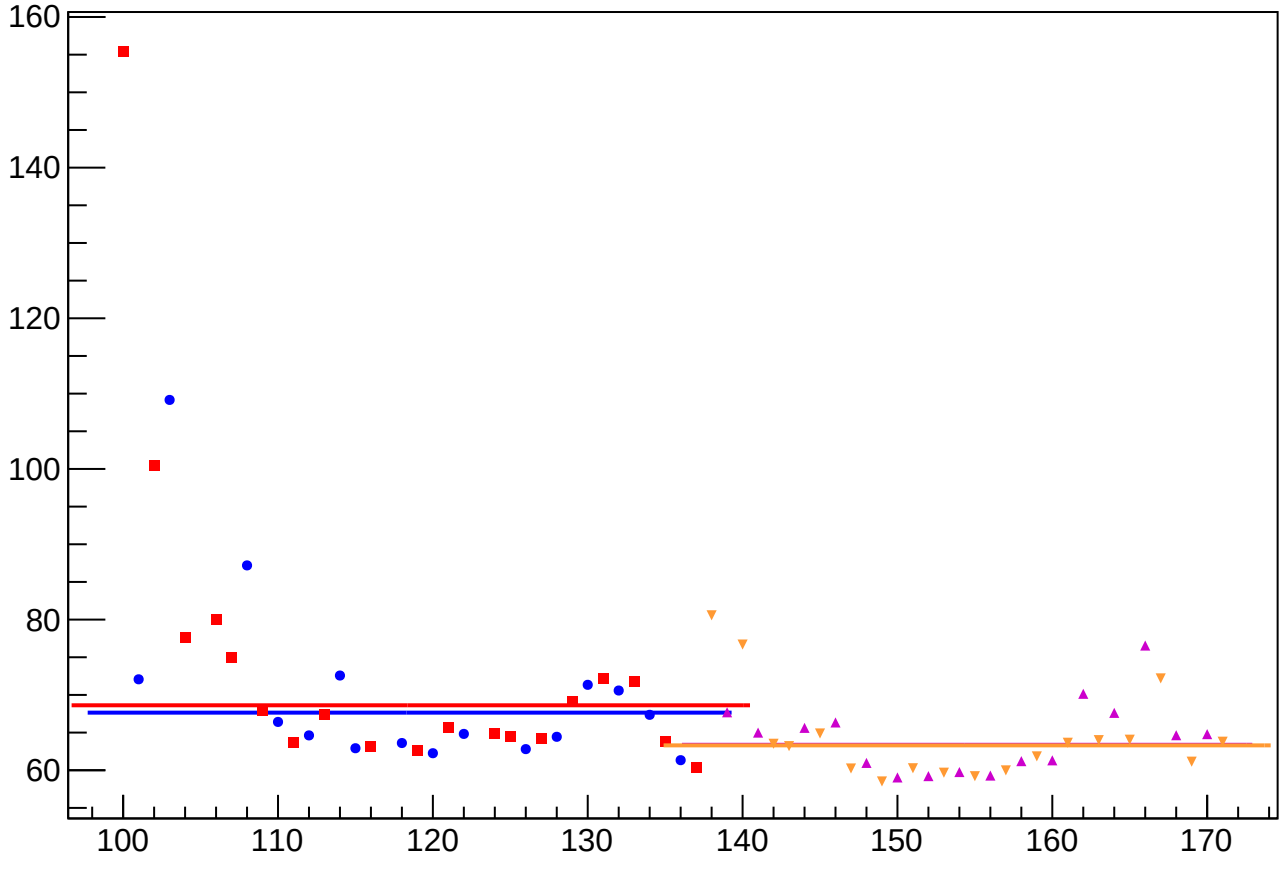
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -195.090+/-14.481 χ^2/NDF:43.8/31

Out: -186.221+/-14.104 χ^2/NDF:60.1/36

All: -190.539+/-10.104 χ^2/NDF: 104.0/68

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: 63.379+/-0.012 χ^2/NDF:104174.6/15

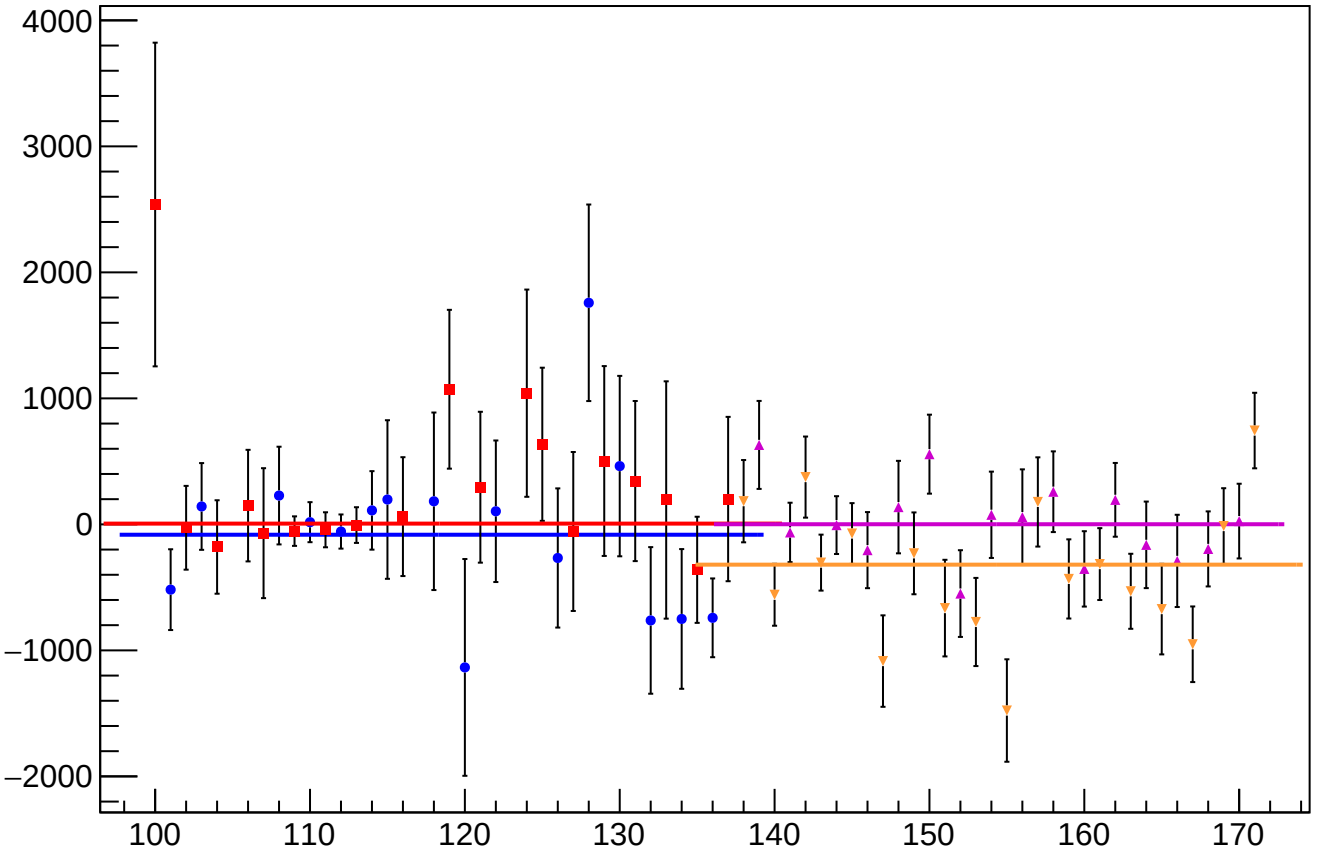
Left: 63.339+/-0.009 χ^2/NDF: 290869.3/33

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.753+/-0.010 χ^2/NDF:405776.4/31

Out: 64.933+/-0.010 χ^2/NDF:495329.0/36

All: 64.845+/-0.007 χ^2/NDF: 901263.7/68



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: 1.087+/-76.944 χ^2/NDF:13.5/15

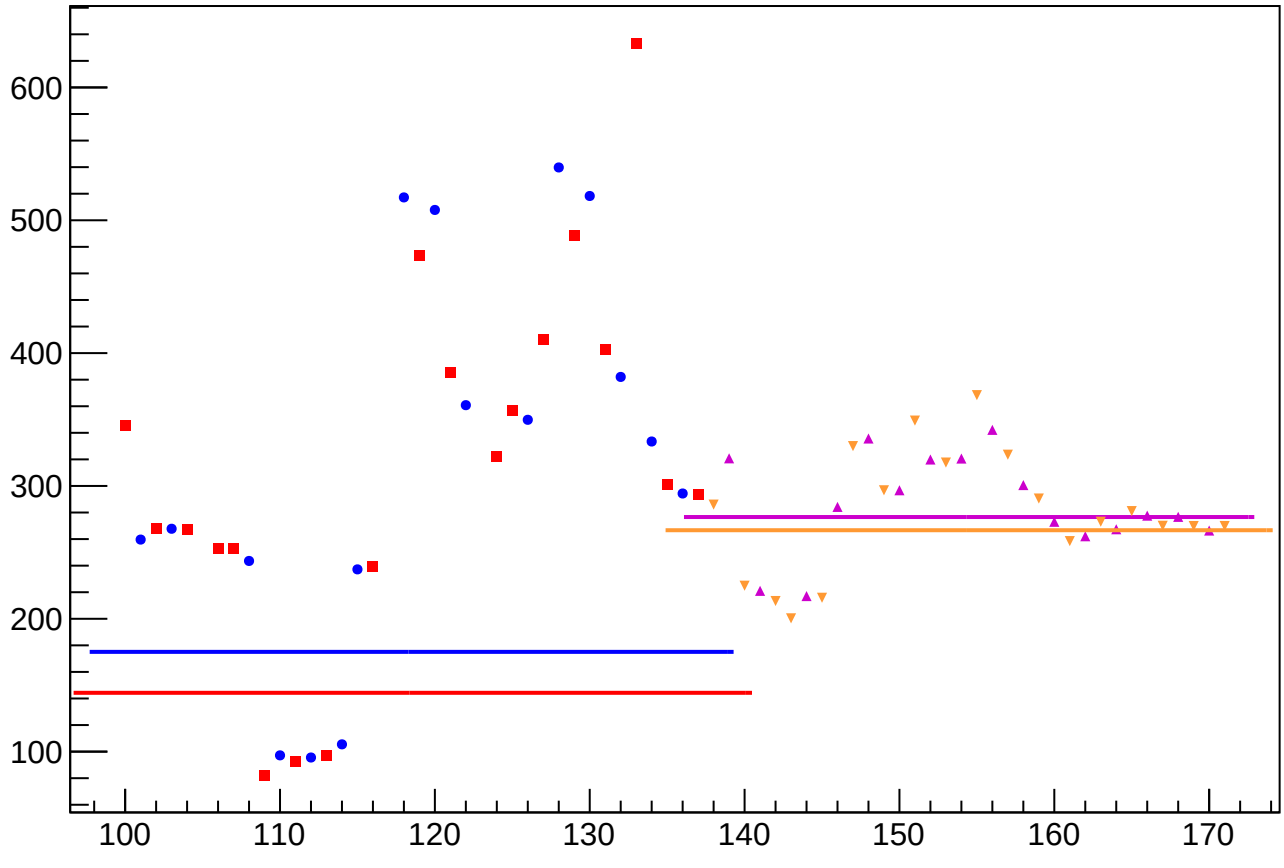
Left: -170.331+/-52.500 χ^2/NDF: 68.6/33

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -39.644+/-55.010 χ^2/NDF:33.3/31

Out: -142.857+/-48.559 χ^2/NDF:69.0/36

All: -97.654+/-36.404 χ^2/NDF: 104.3/68



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: 276.606+/-0.054 χ^2/NDF:484188.8/15

Left: 271.294+/-0.037 χ^2/NDF: 1296795.3/33

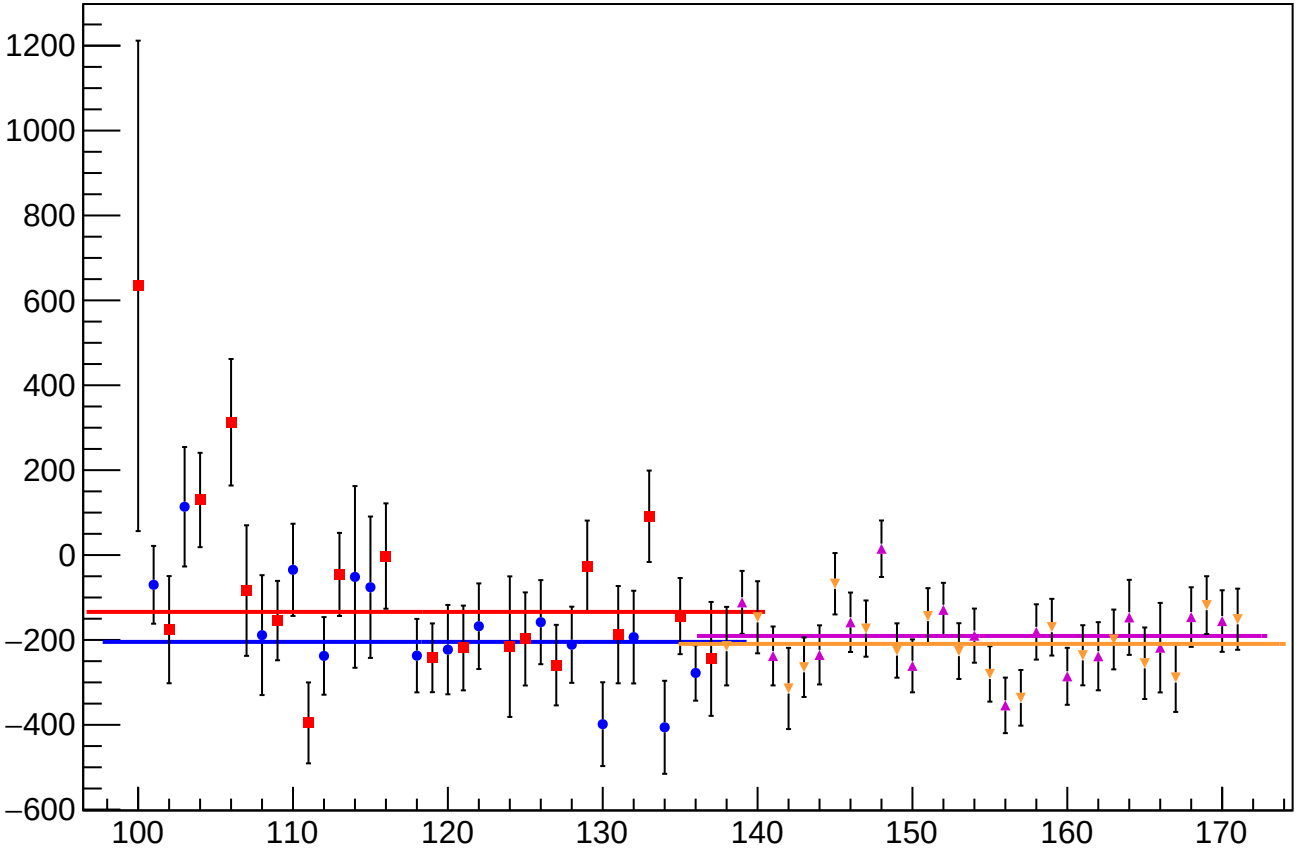
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 226.982+/-0.039 χ^2/NDF:6614893.6/31

Out: 200.235+/-0.034 χ^2/NDF:9080318.6/36

All: 211.949+/-0.026 χ^2/NDF: 15960969.6/68

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: -190.587+/-17.585 χ^2/NDF:23.6/15

Left: -200.304+/-12.198 χ^2/NDF: 40.9/33

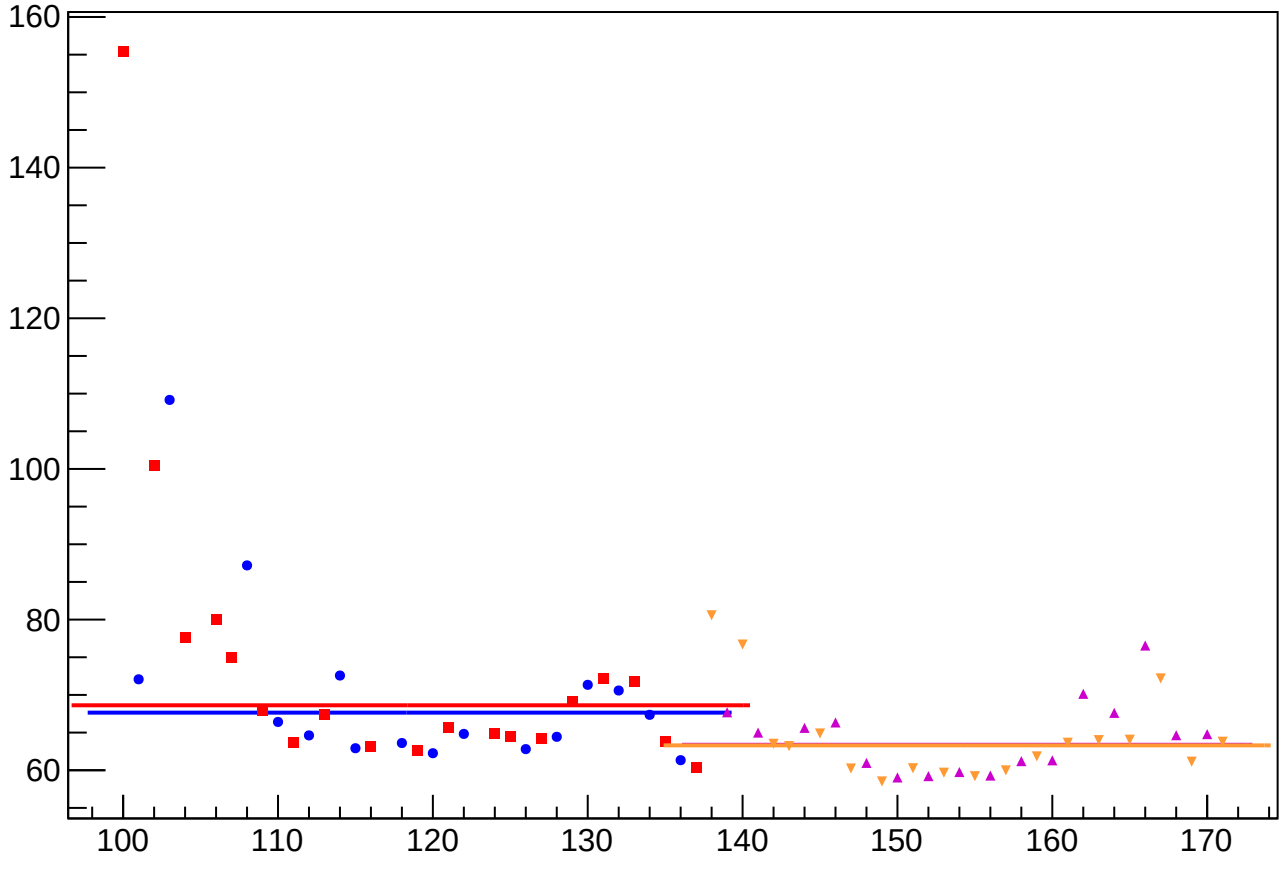
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -195.090+/-14.481 χ^2/NDF:43.8/31

Out: -186.222+/-14.104 χ^2/NDF:60.1/36

All: -190.539+/-10.104 χ^2/NDF: 104.0/68

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: 63.379+/-0.012 χ^2/NDF:104174.8/15

Left: 63.339+/-0.009 χ^2/NDF: 290868.5/33

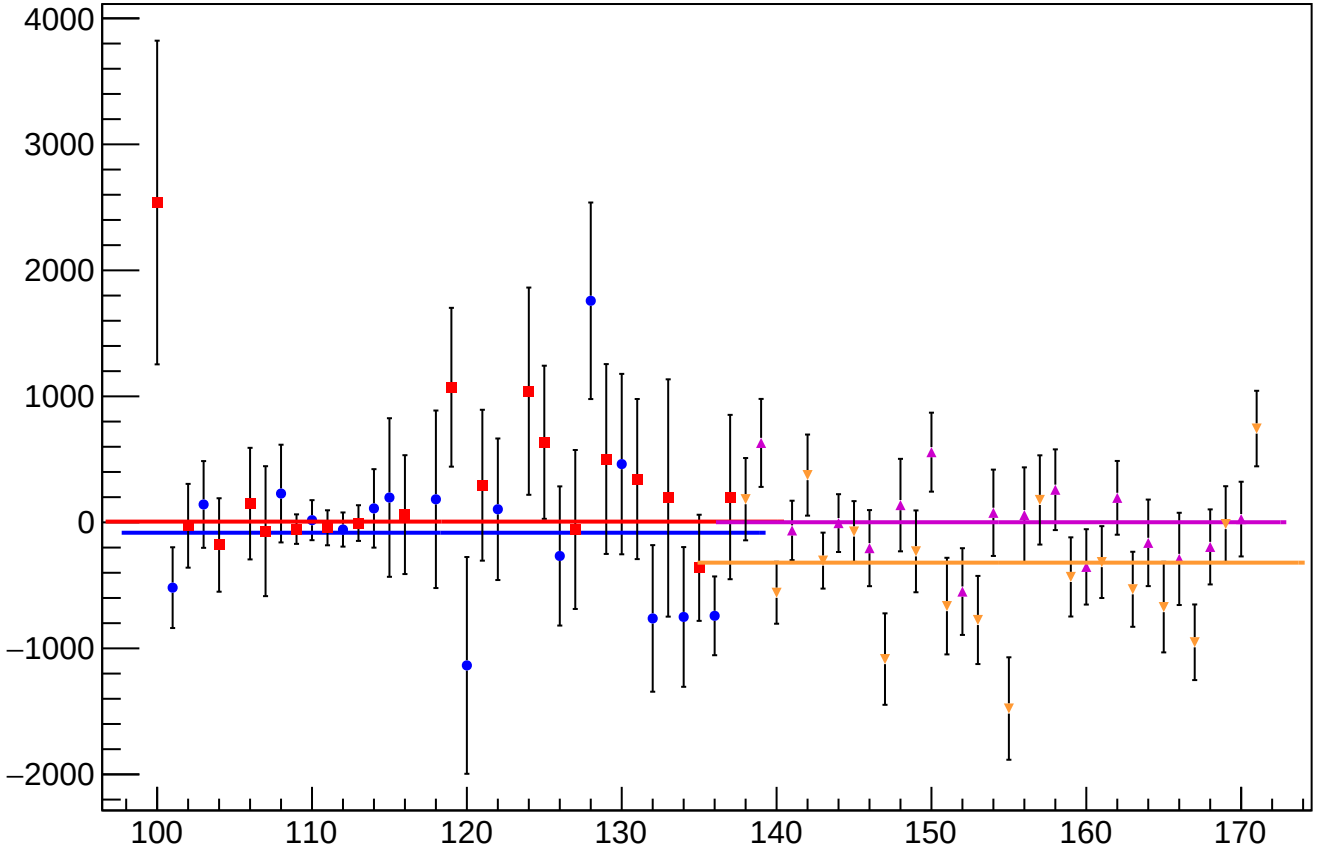
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.753+/-0.010 χ^2/NDF:405771.9/31

Out: 64.933+/-0.010 χ^2/NDF:495324.3/36

All: 64.845+/-0.007 χ^2/NDF: 901254.4/68

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -319.651+/-71.814 χ^2/NDF:45.8/17

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 1.086+/-76.944 χ^2/NDF:13.5/15

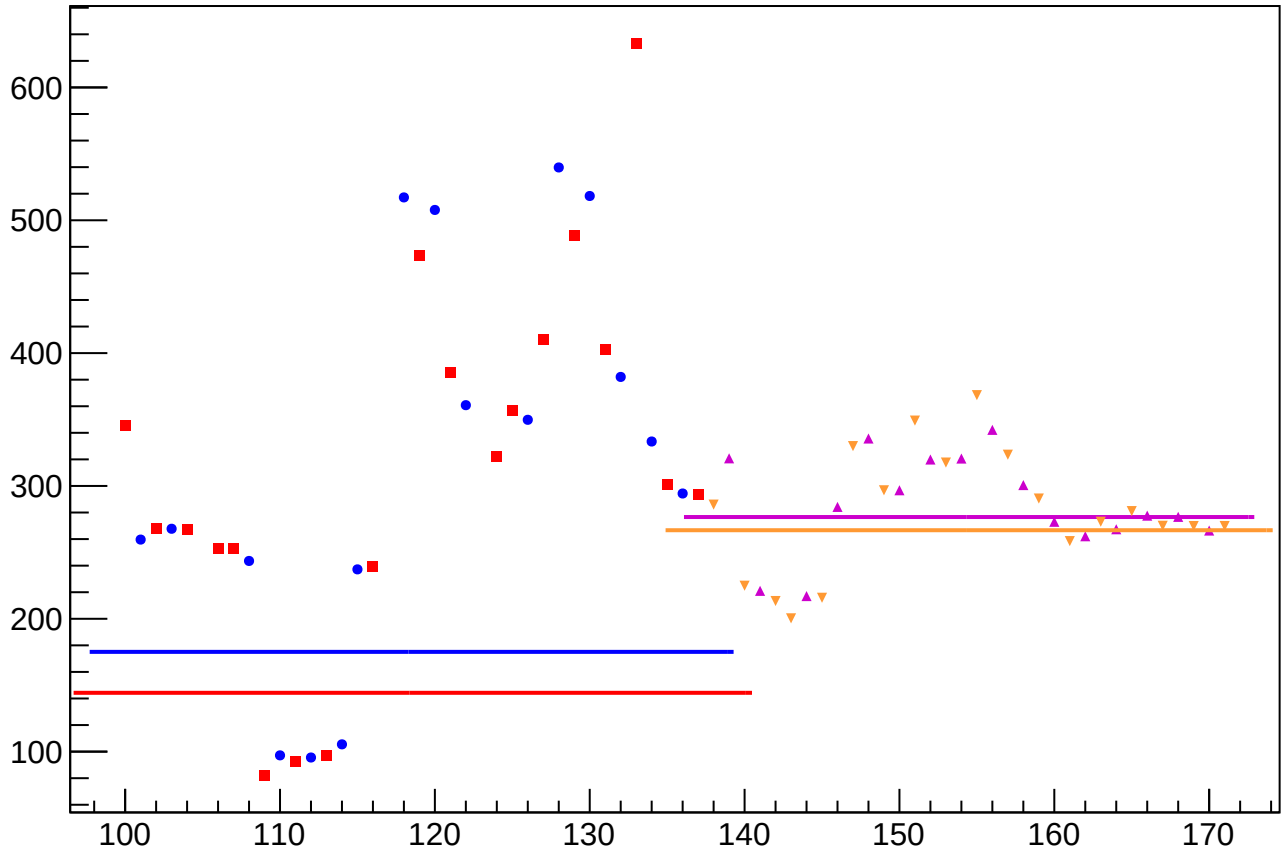
Left: -170.331+/-52.500 χ^2/NDF: 68.6/33

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: -39.643+/-55.010 χ^2/NDF:33.3/31

Out: -142.857+/-48.559 χ^2/NDF:69.0/36

All: -97.654+/-36.404 χ^2/NDF: 104.3/68



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: 276.605+/-0.054 χ^2/NDF:484190.6/15

Left: 271.293+/-0.037 χ^2/NDF: 1296806.3/33

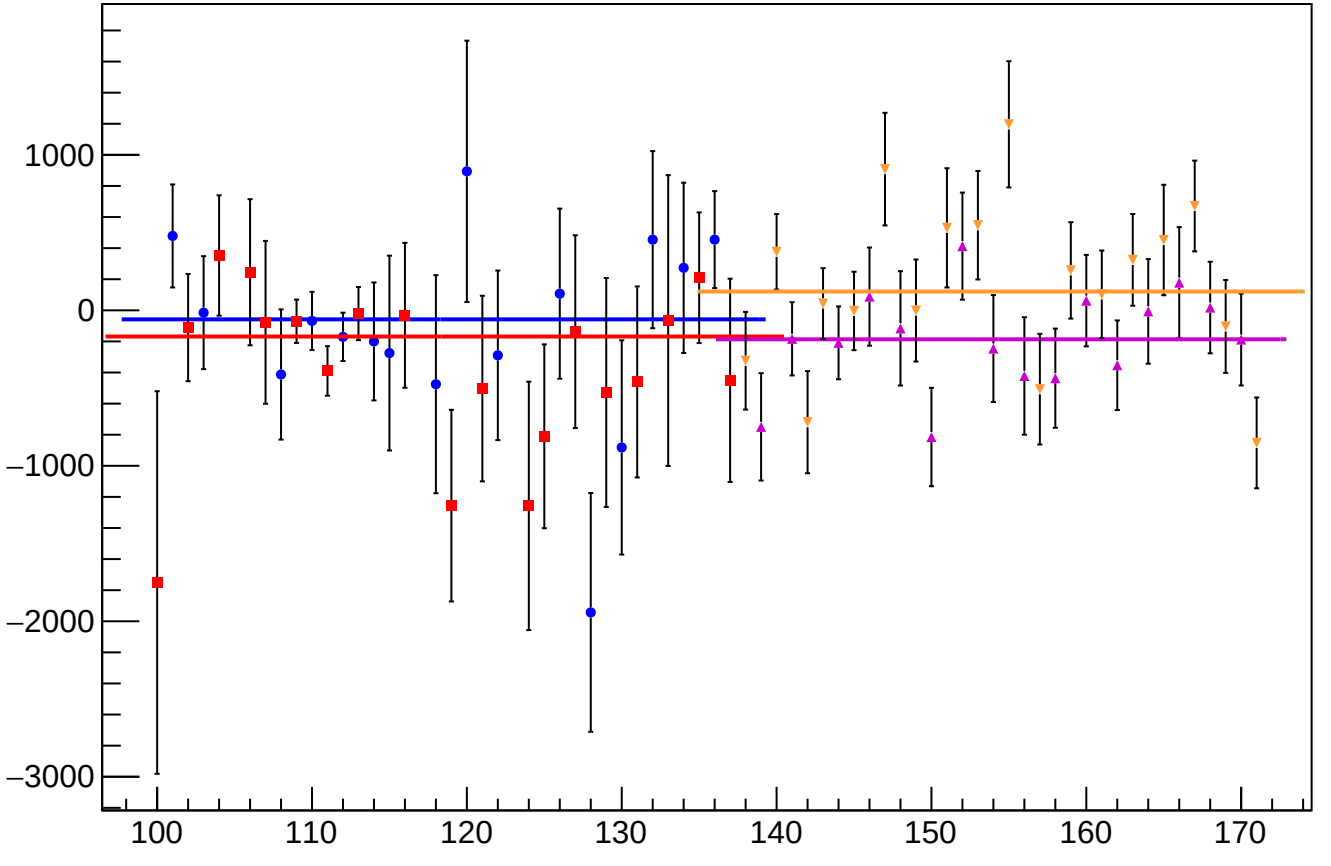
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 226.981+/-0.039 χ^2/NDF:6614949.6/31

Out: 200.234+/-0.034 χ^2/NDF:9080290.7/36

All: 211.948+/-0.026 χ^2/NDF: 15960985.4/68

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: -186.332+/-76.912 χ^2/NDF:14.3/15

Left: -21.967+/-52.457 χ^2/NDF: 67.3/33

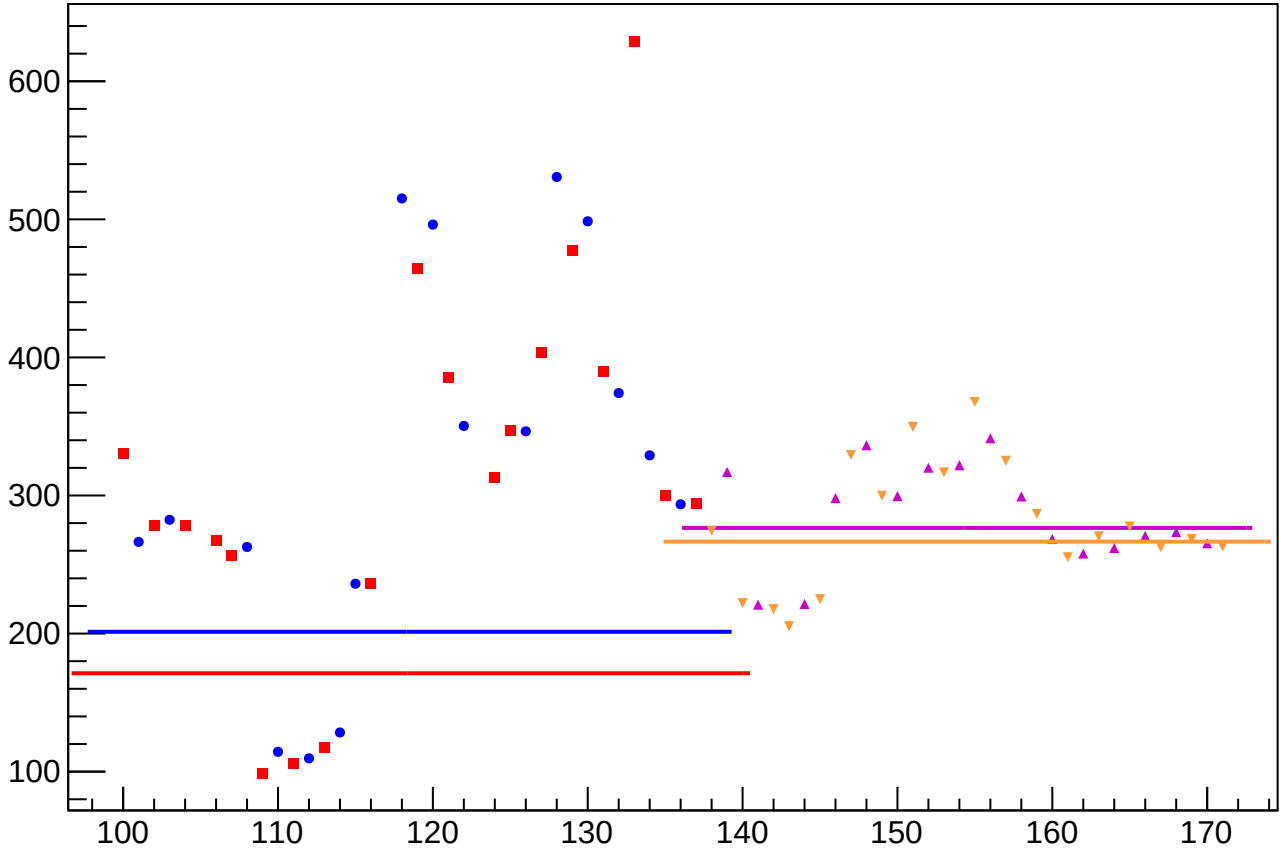
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -129.942+/-57.591 χ^2/NDF:32.9/31

Out: -17.994+/-51.705 χ^2/NDF:67.7/36

All: -67.957+/-38.474 χ^2/NDF: 102.8/68

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: 276.540+/-0.054 χ^2/NDF:475560.4/15

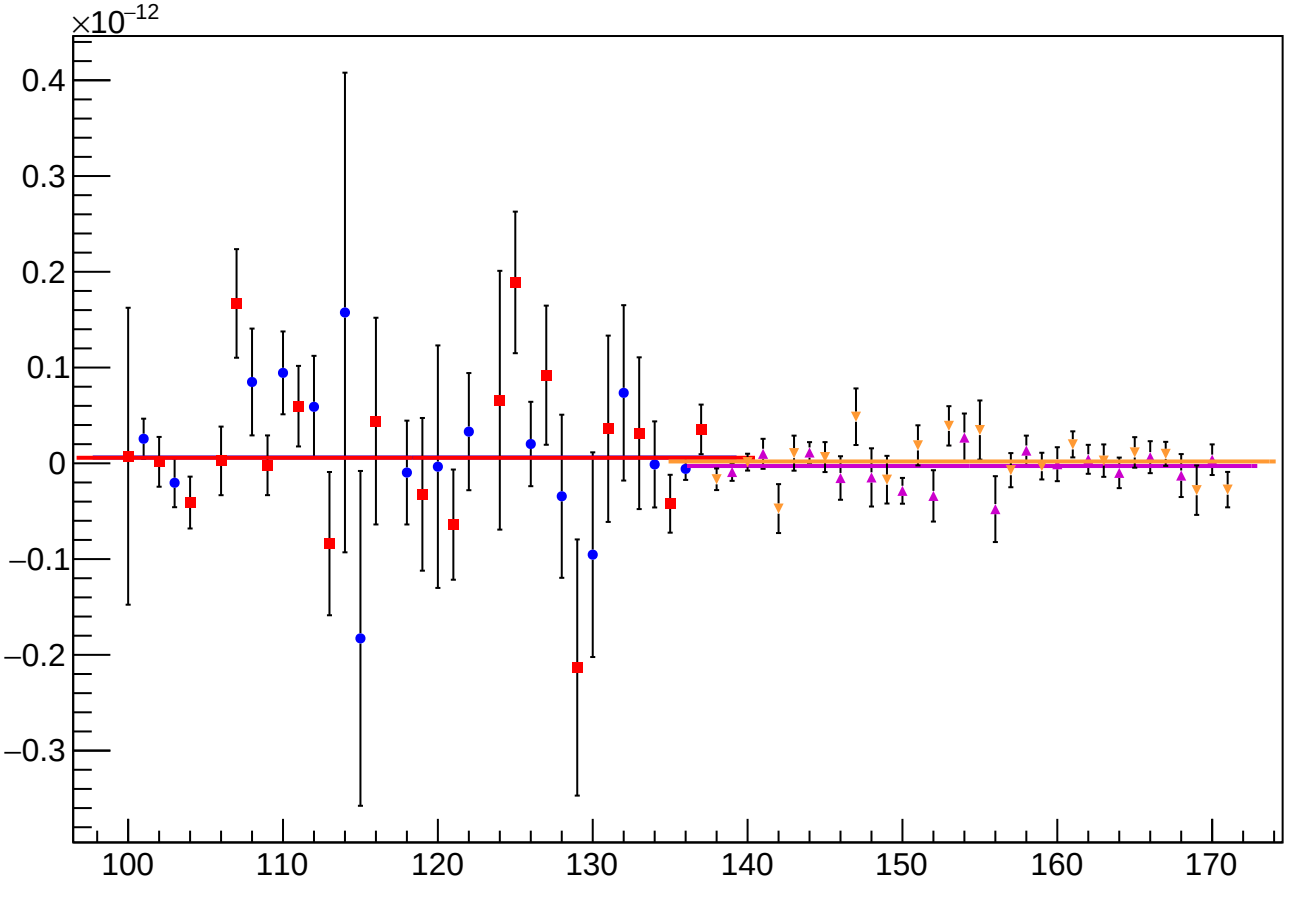
Left: 271.212+/-0.037 χ^2/NDF: 1214475.3/33

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 243.487+/-0.041 χ^2/NDF:4888552.6/31

Out: 220.782+/-0.037 χ^2/NDF:6610425.9/36

All: 230.915+/-0.027 χ^2/NDF: 11671106.1/68



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:13.6/15

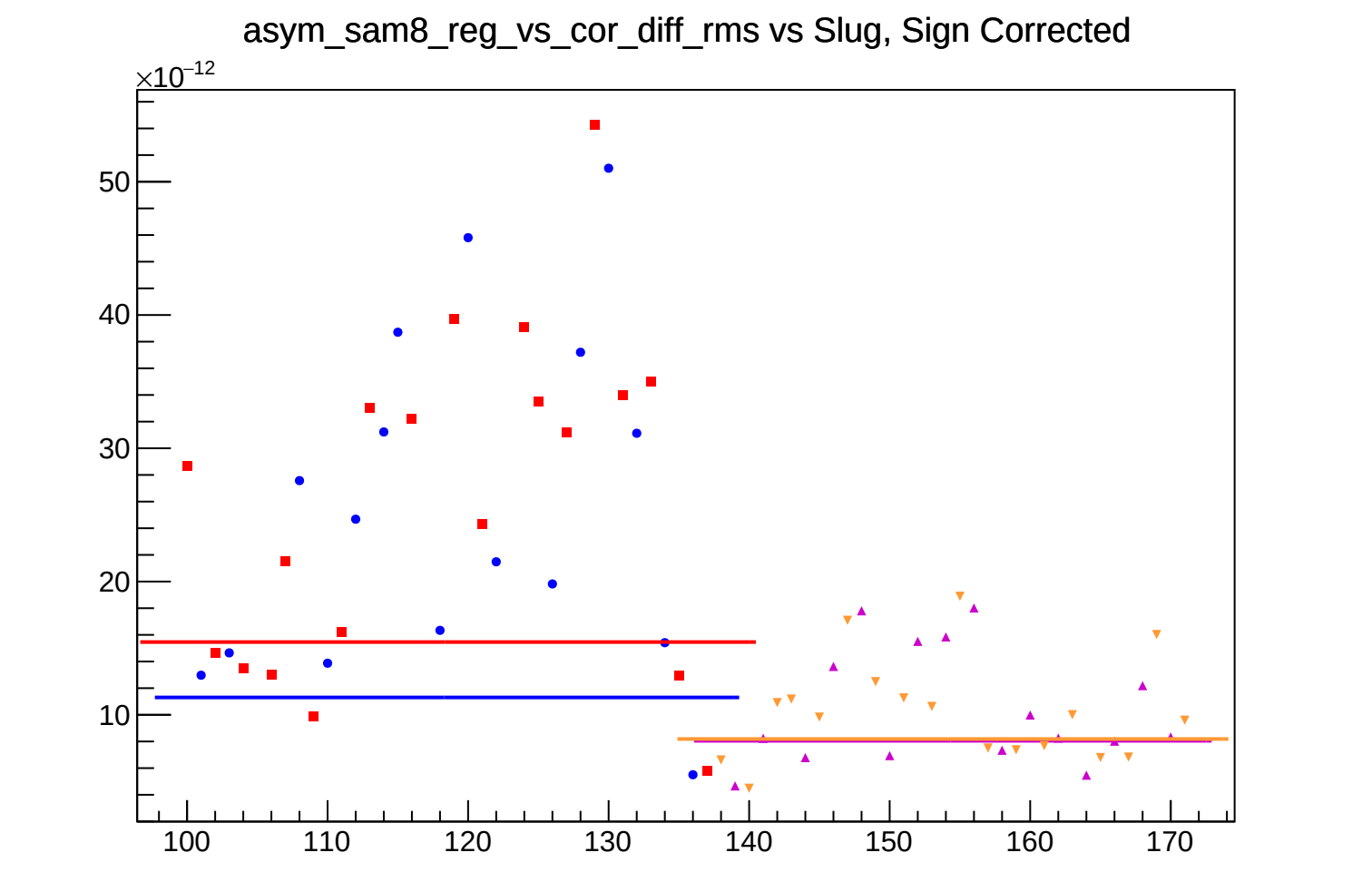
Left: -0.000+/-0.000 χ^2/NDF: 36.0/33

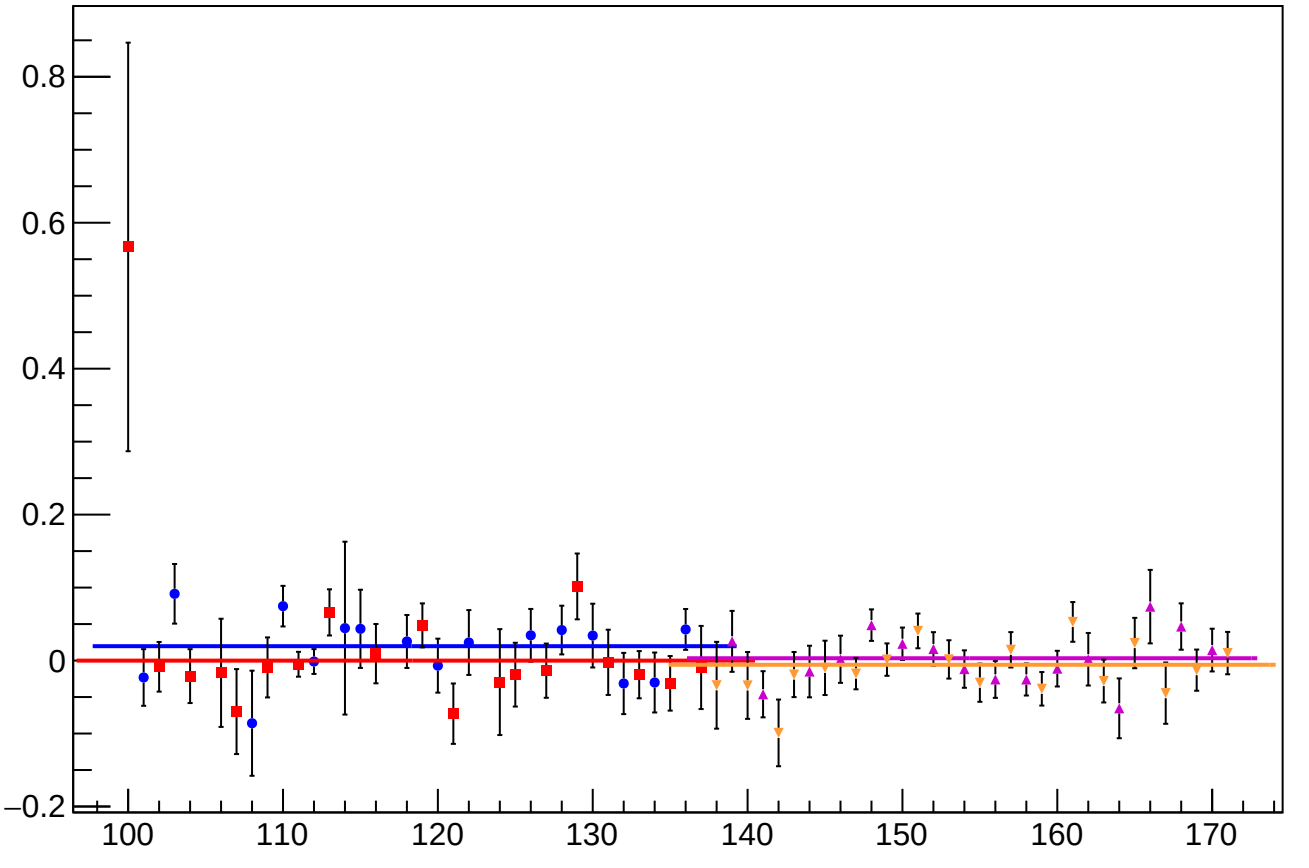
Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:28.3/31

Out: 0.000+/-0.000 χ^2/NDF:52.3/36

All: 0.000+/-0.000 χ^2/NDF: 81.1/68


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:1300677.1/15
Left: 0.000+/-0.000 χ²/NDF: 2616093.8/33
Right: 0.000+/-0.000 χ²/NDF: 3431603.8/34
In: 0.000+/-0.000 χ²/NDF:3340171.5/31
Out: 0.000+/-0.000 χ²/NDF:3651525.5/36
All: 0.000+/-0.000 χ²/NDF: 7003784.0/68



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: 0.003+/-0.007 χ^2/NDF:19.1/15

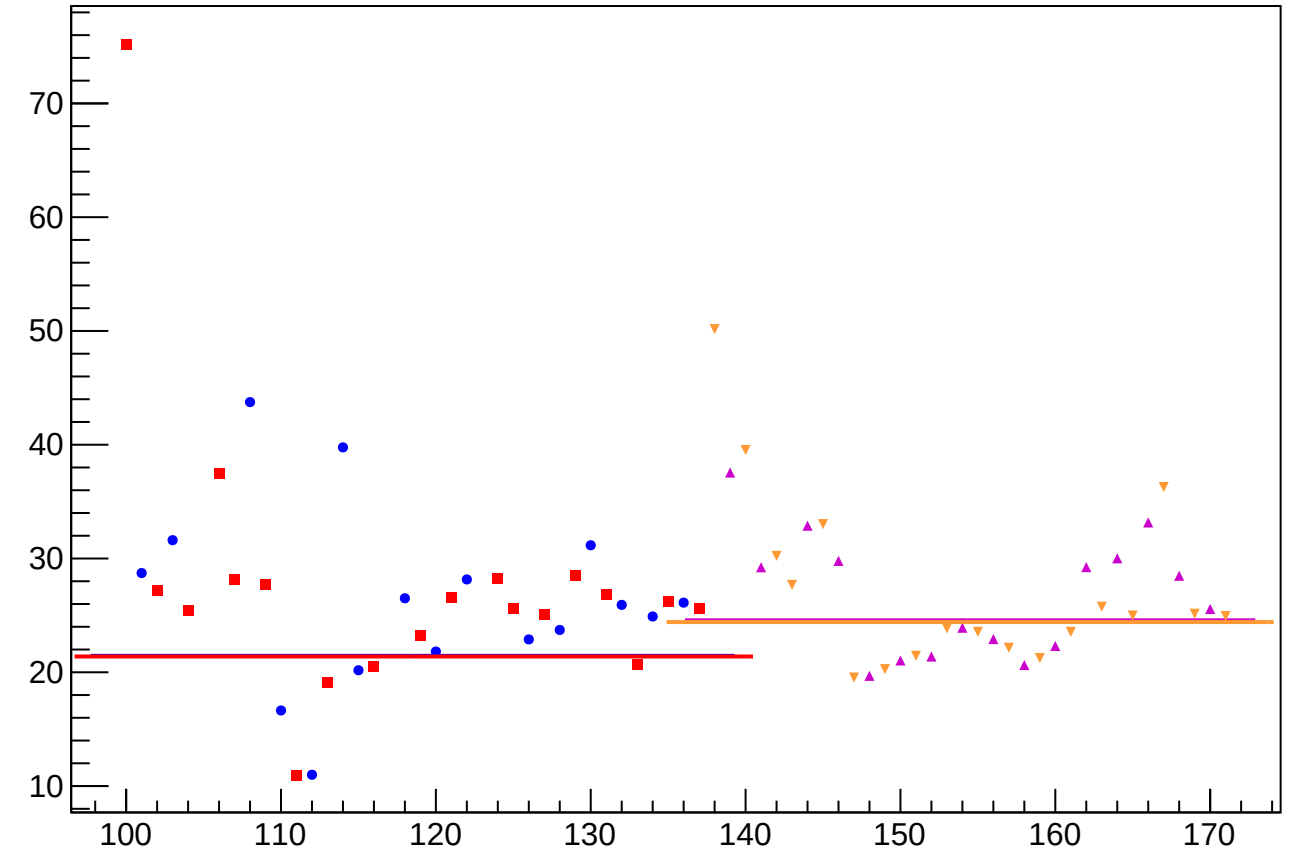
Left: -0.001+/-0.005 χ^2/NDF: 40.0/33

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.3/36

All: 0.003+/-0.004 χ^2/NDF: 84.6/68



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: 24.567+/-0.005 χ^2/NDF:841121.8/15

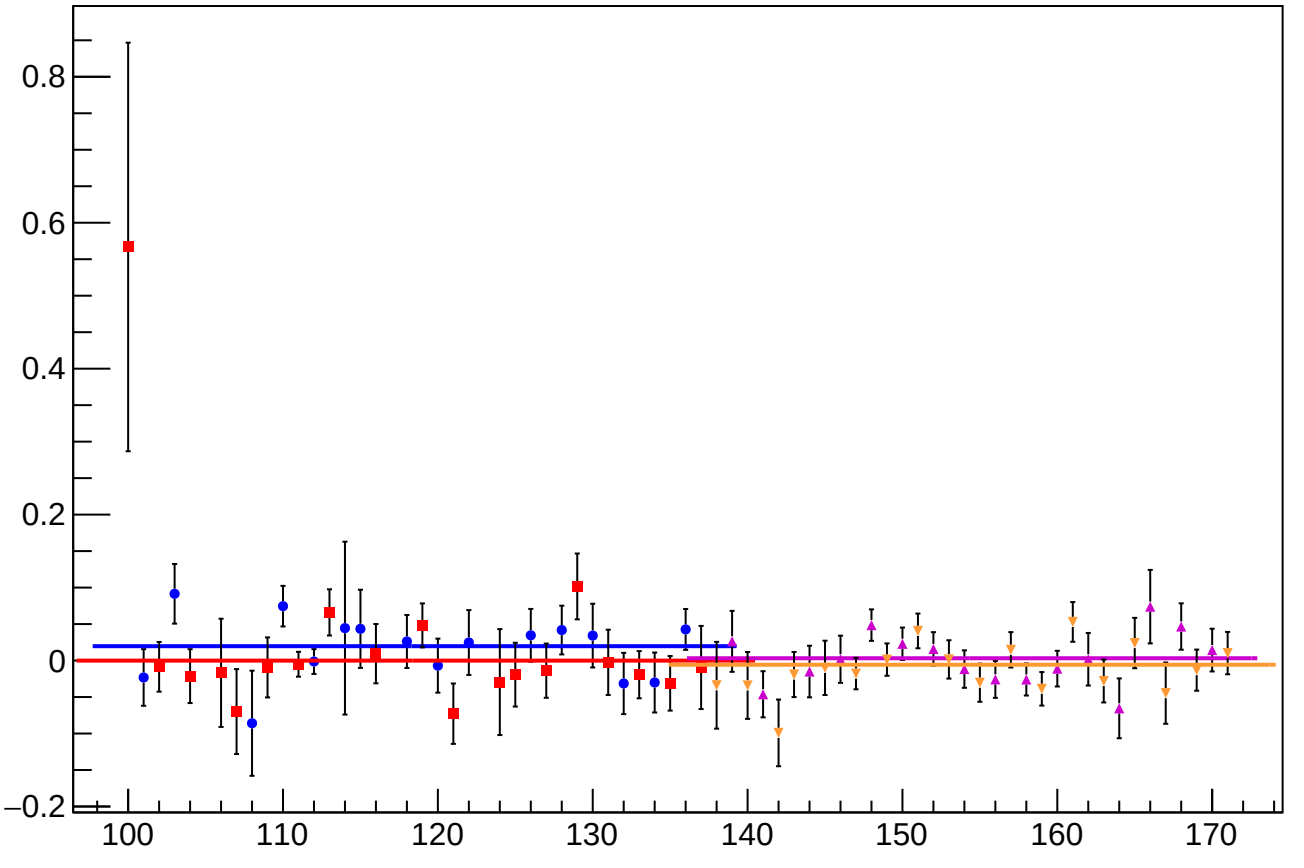
Left: 24.487+/-0.003 χ^2/NDF: 2025910.4/33

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.327+/-0.004 χ^2/NDF:2537786.0/31

Out: 23.241+/-0.004 χ^2/NDF:2650998.9/36

All: 23.282+/-0.003 χ^2/NDF: 5189037.0/68



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: 0.003+/-0.007 χ^2/NDF:19.1/15

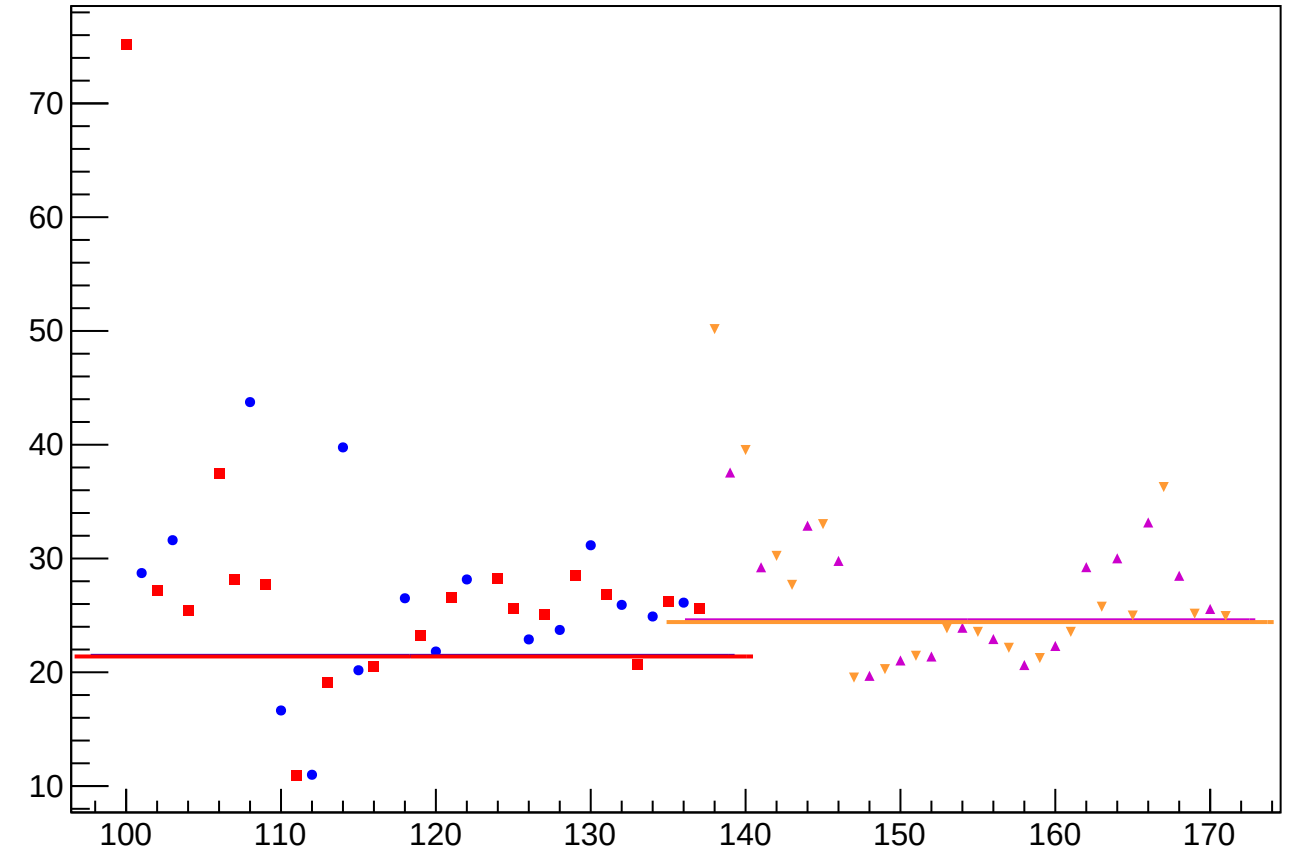
Left: -0.001+/-0.005 χ^2/NDF: 40.0/33

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.3/36

All: 0.003+/-0.004 χ^2/NDF: 84.6/68



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: 24.567+/-0.005 χ^2/NDF:841121.8/15

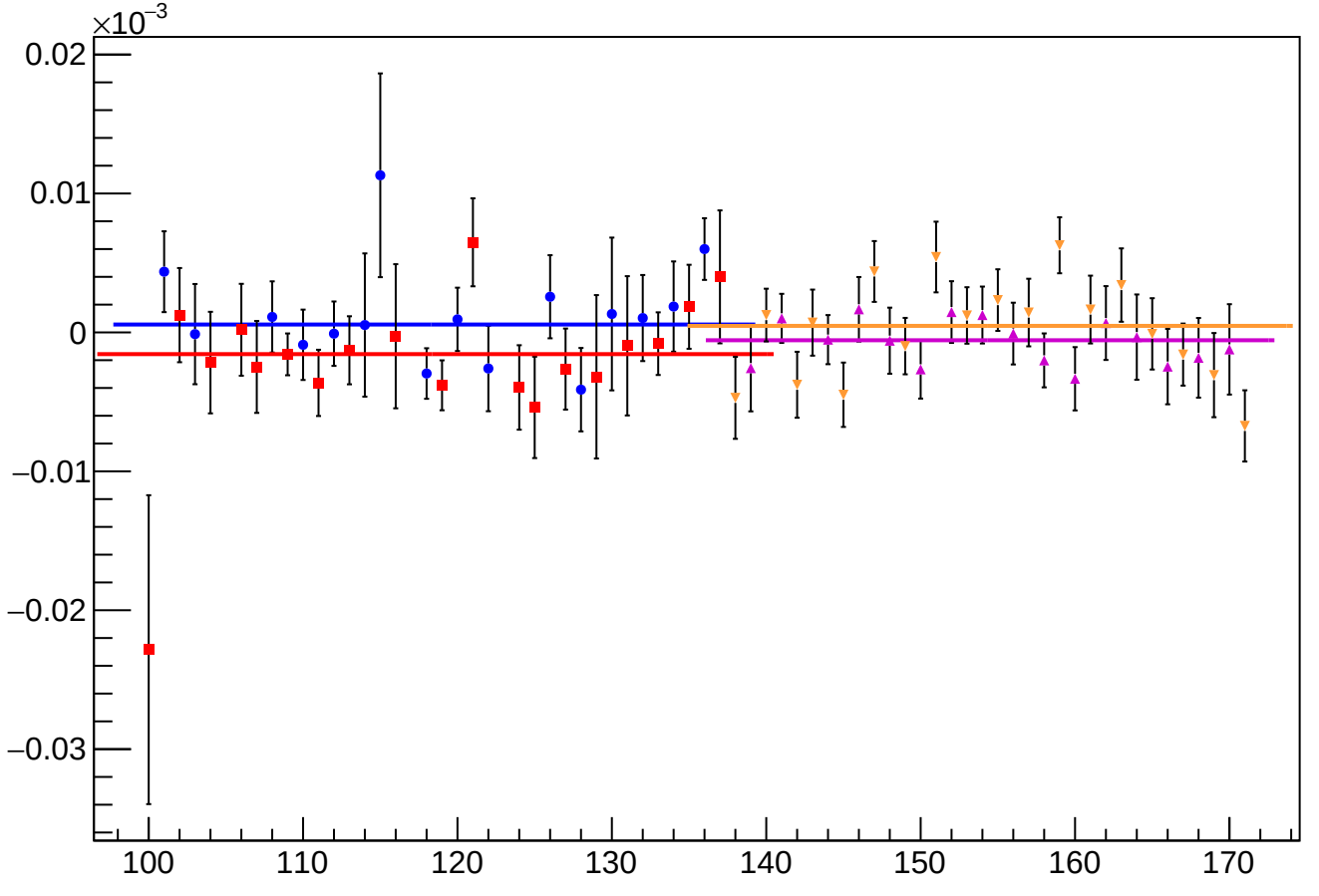
Left: 24.487+/-0.003 χ^2/NDF: 2025910.4/33

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.327+/-0.004 χ^2/NDF:2537786.0/31

Out: 23.241+/-0.004 χ^2/NDF:2650998.9/36

All: 23.282+/-0.003 χ^2/NDF: 5189037.0/68



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:7.8/15

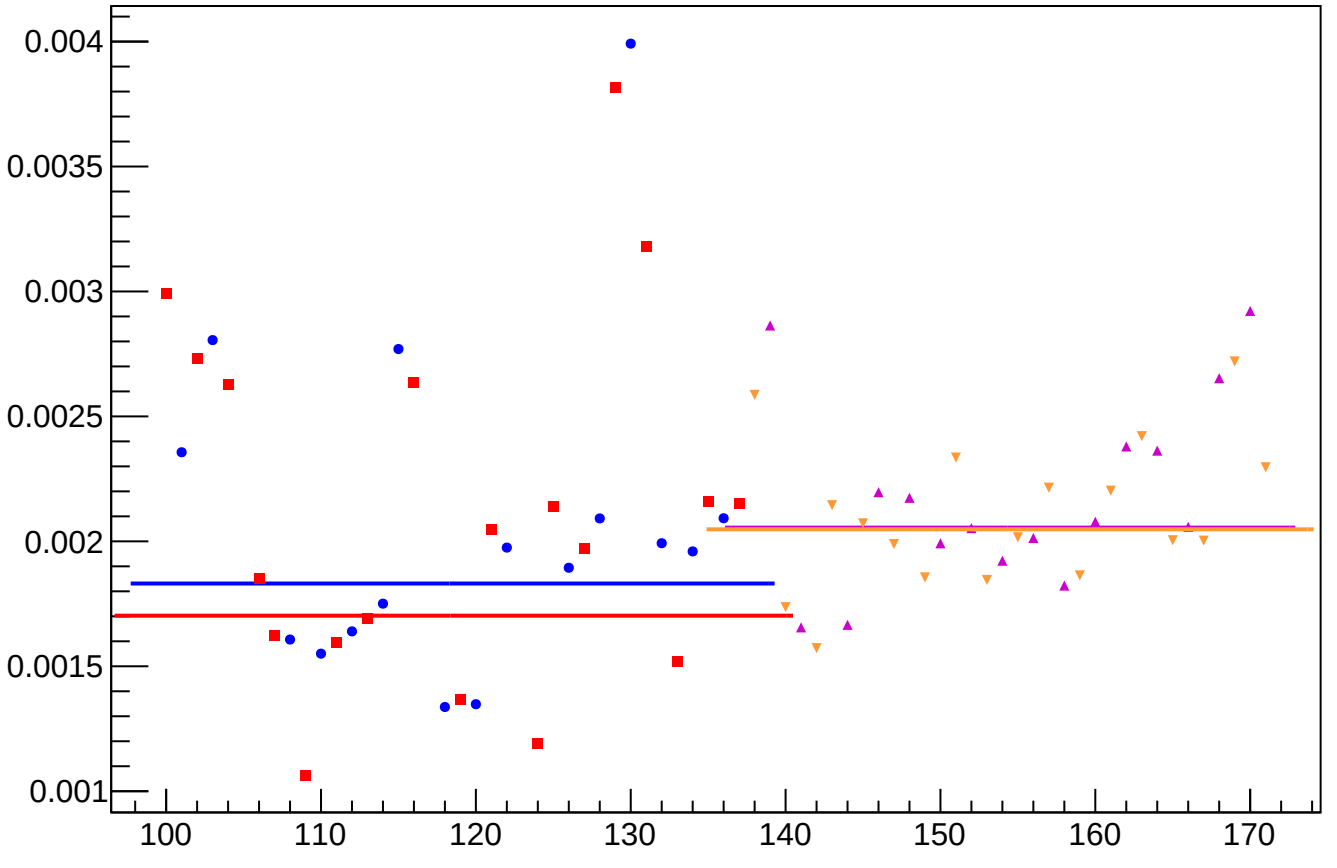
Left: -0.000+/-0.000 χ^2/NDF: 48.9/33

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:27.6/31

Out: -0.000+/-0.000 χ^2/NDF:63.4/36

All: -0.000+/-0.000 χ^2/NDF: 91.1/68



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:665353.0/15

Left: 0.002+/-0.000 χ^2/NDF: 1127261.6/33

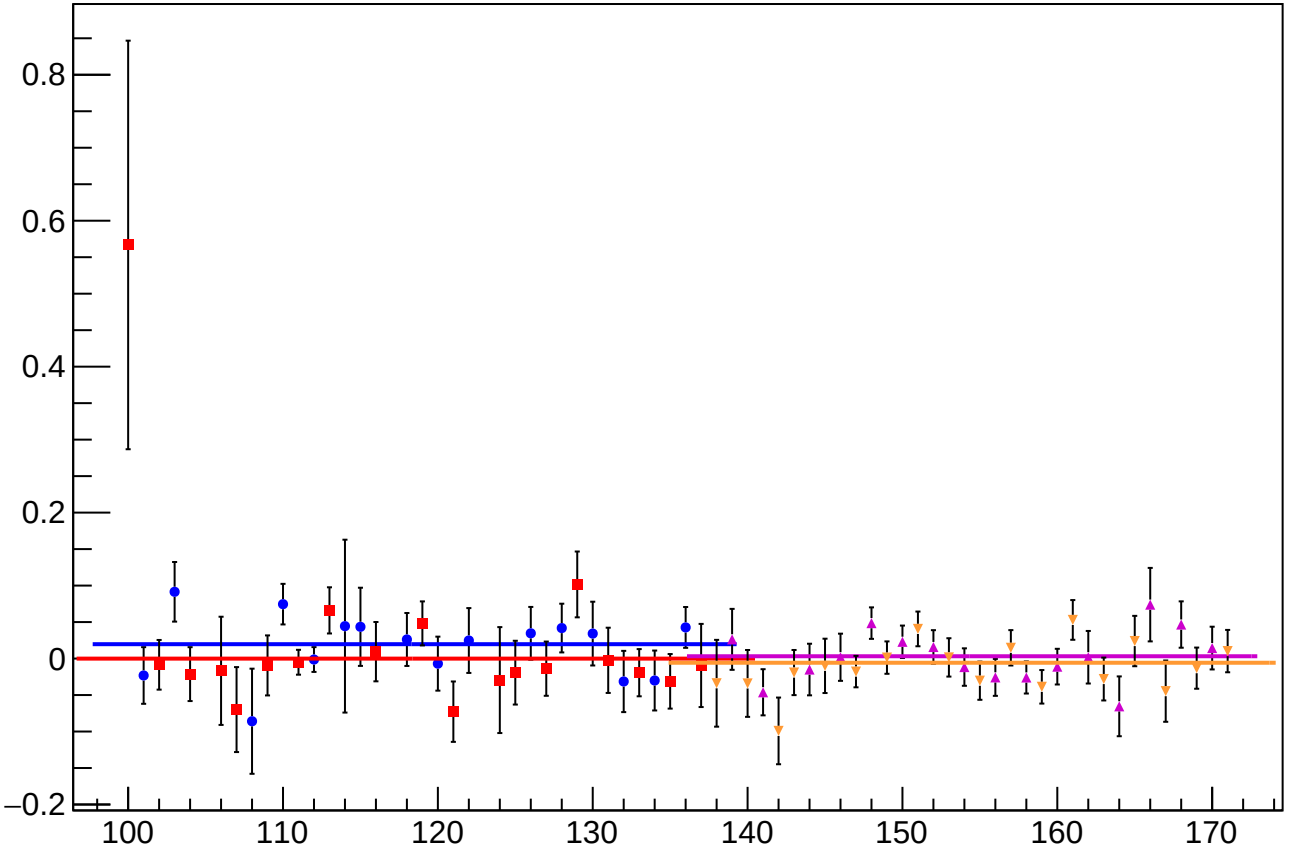
Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1686570.5/31

Out: 0.002+/-0.000 χ^2/NDF:2264621.9/36

All: 0.002+/-0.000 χ^2/NDF: 3969902.3/68

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/17

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.003+/-0.007 χ^2/NDF:19.1/15

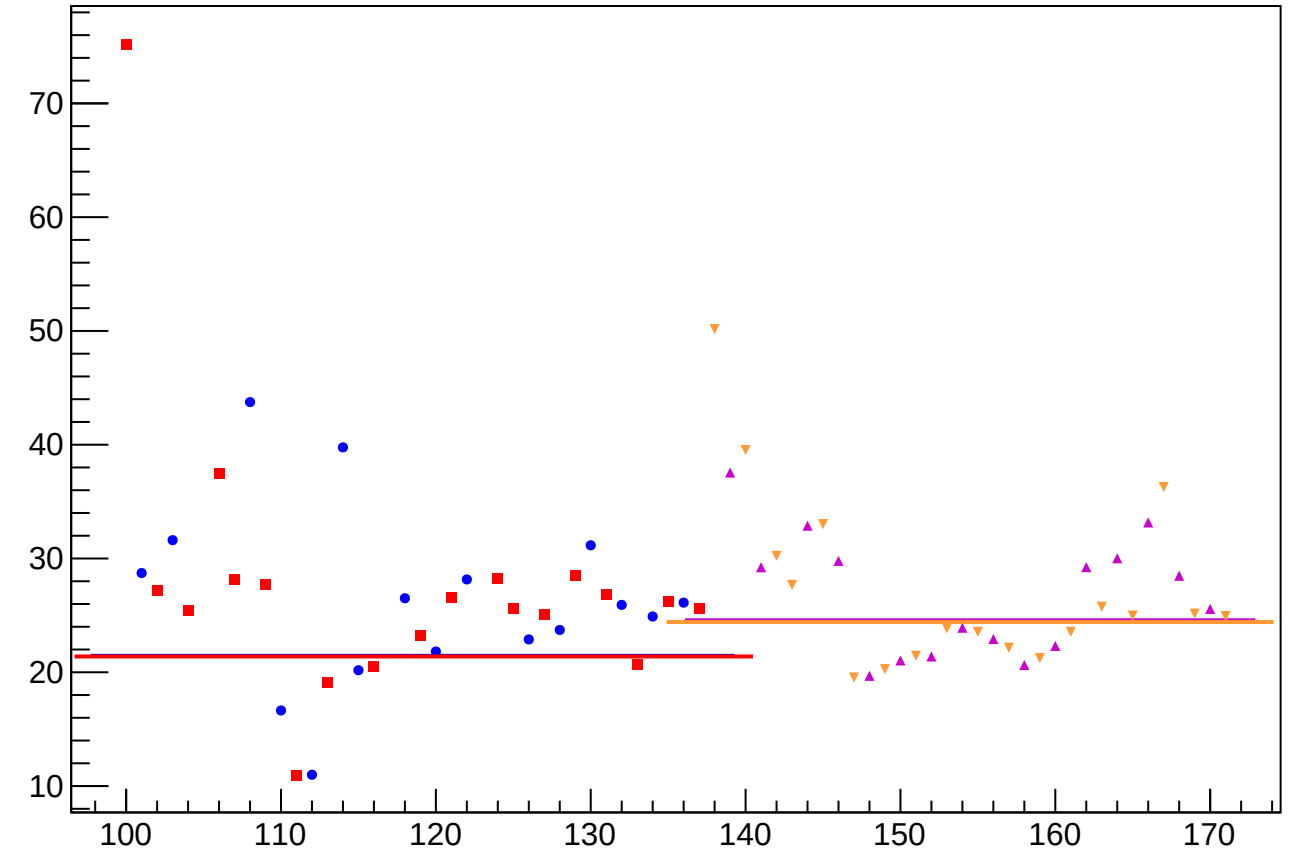
Left: -0.001+/-0.005 χ^2/NDF: 40.0/33

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.3/36

All: 0.003+/-0.004 χ^2/NDF: 84.6/68



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: 24.567+/-0.005 χ^2/NDF:841124.7/15

Left: 24.487+/-0.003 χ^2/NDF: 2025912.9/33

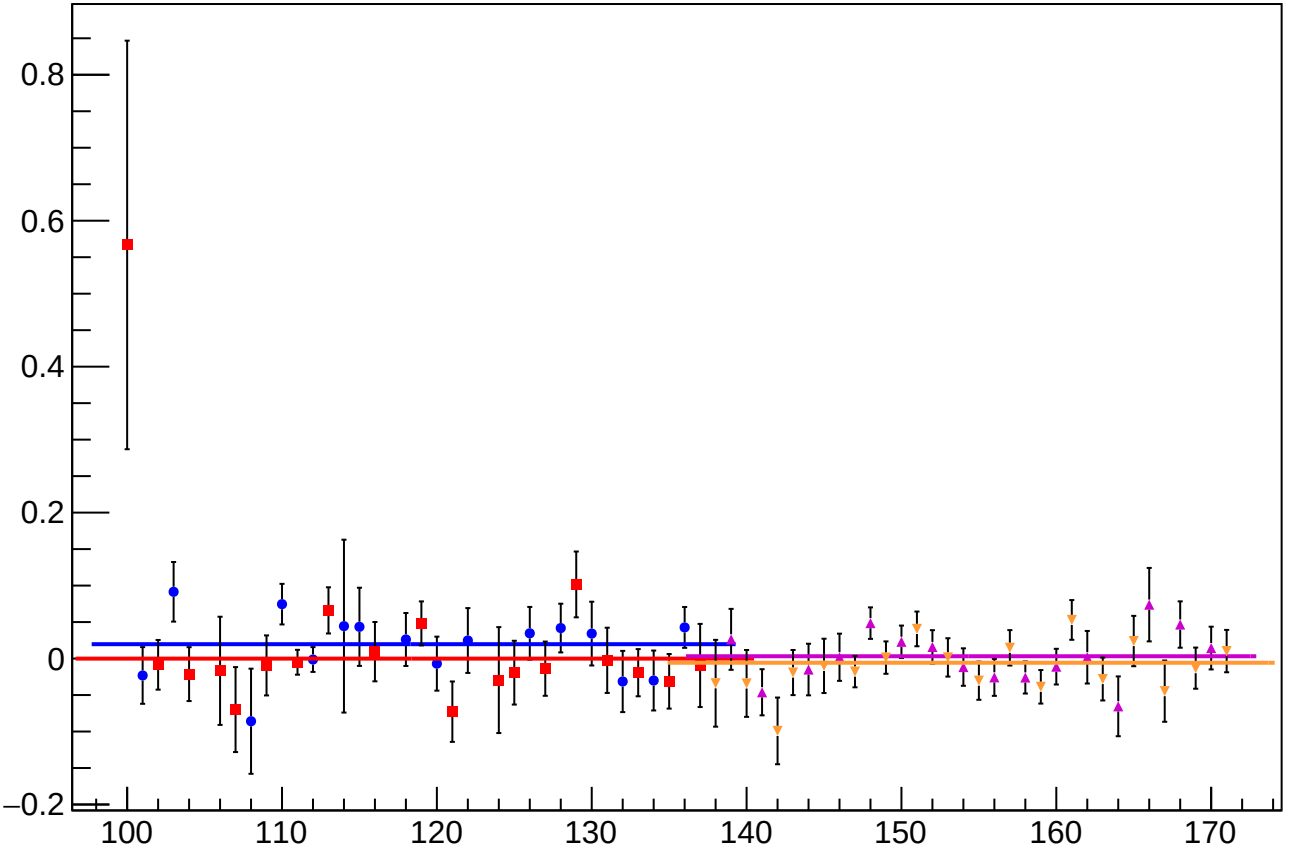
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.326+/-0.004 χ^2/NDF:2538018.7/31

Out: 23.241+/-0.004 χ^2/NDF:2651200.2/36

All: 23.282+/-0.003 χ^2/NDF: 5189471.1/68

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: 0.003+/-0.007 χ^2/NDF:19.1/15

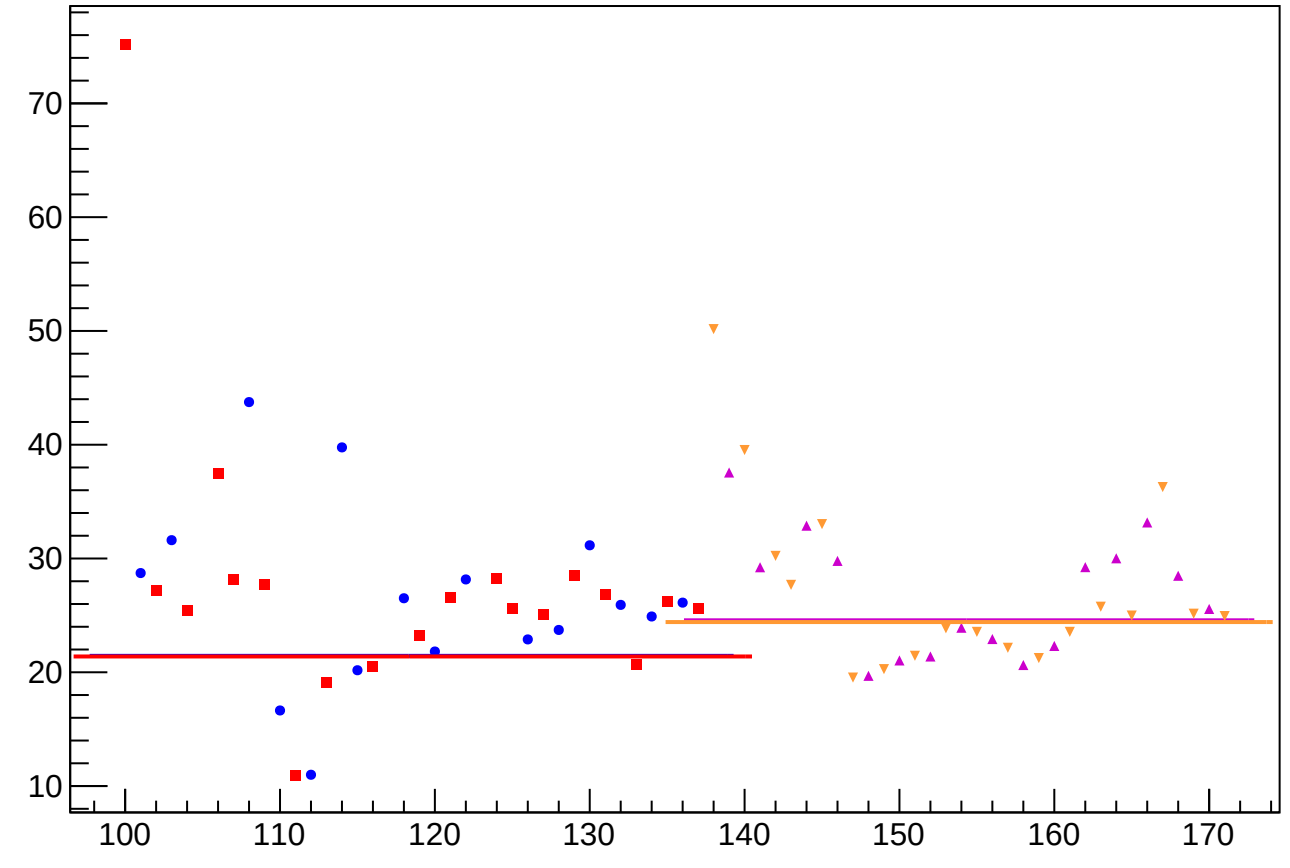
Left: -0.001+/-0.005 χ^2/NDF: 40.0/33

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:38.3/31

Out: -0.004+/-0.005 χ^2/NDF:43.3/36

All: 0.003+/-0.004 χ^2/NDF: 84.6/68



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: 24.567+/-0.005 χ^2/NDF:841124.7/15

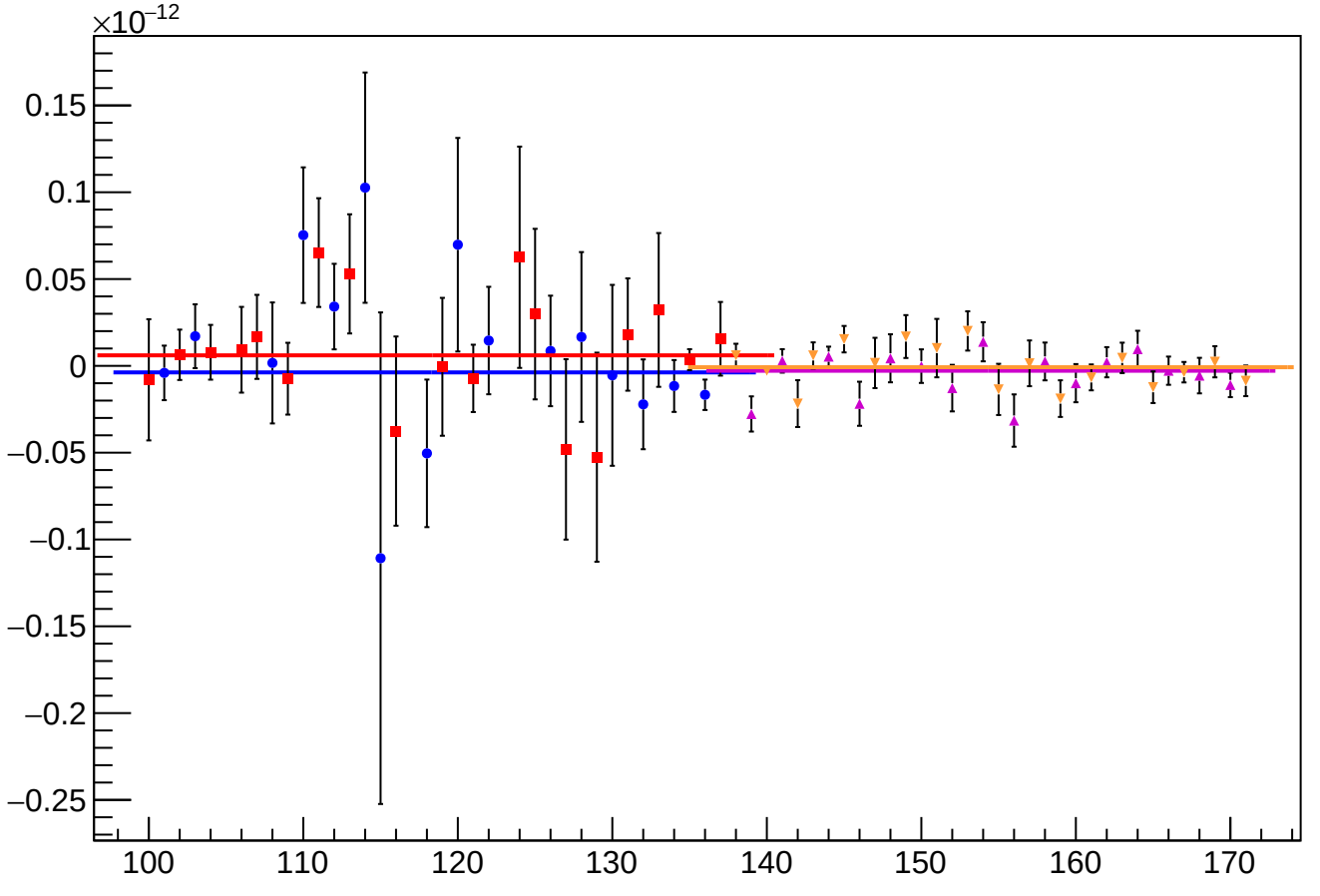
Left: 24.487+/-0.003 χ^2/NDF: 2025912.9/33

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.326+/-0.004 χ^2/NDF:2538018.7/31

Out: 23.241+/-0.004 χ^2/NDF:2651200.2/36

All: 23.282+/-0.003 χ^2/NDF: 5189471.1/68



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:21.5/15

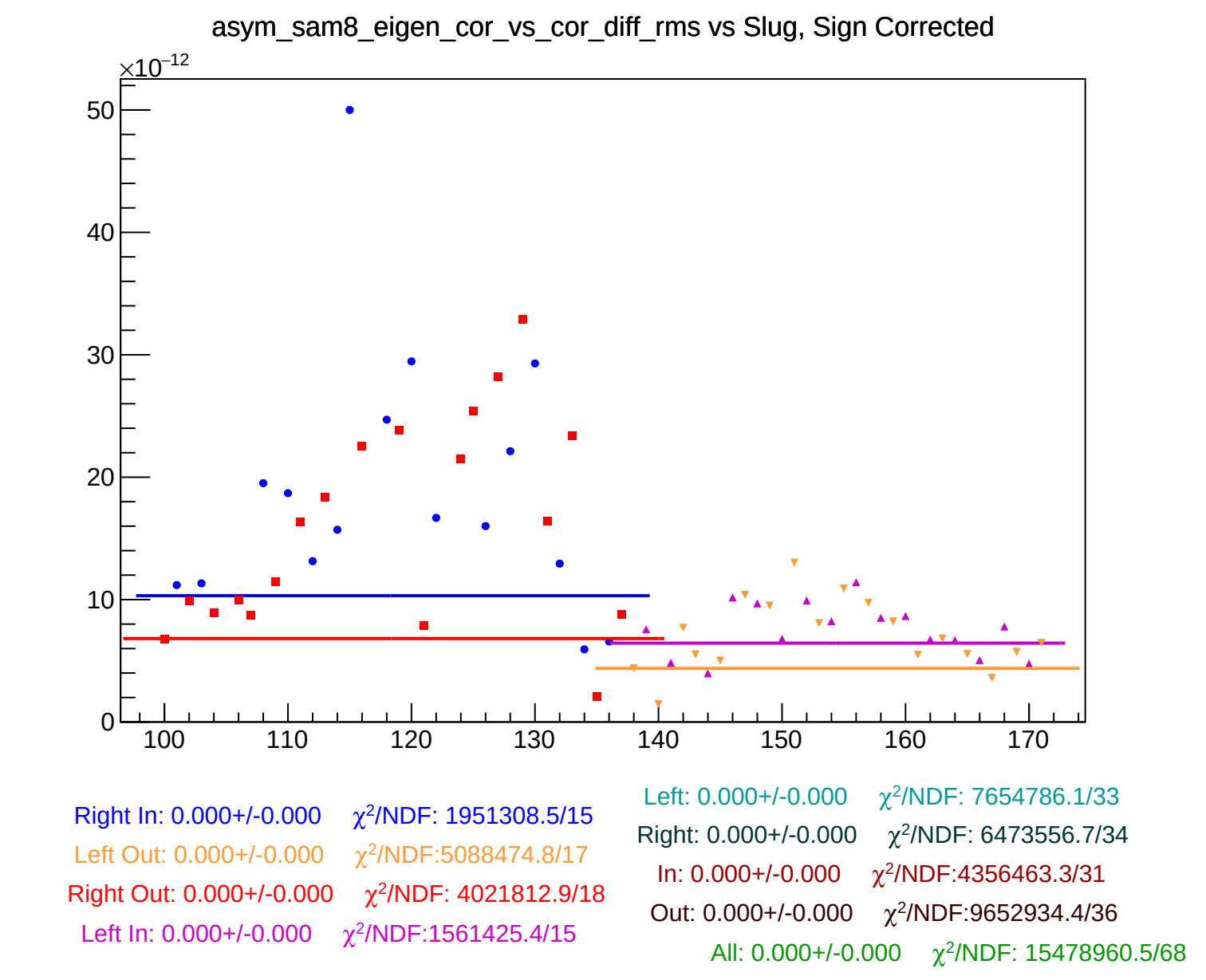
Left: -0.000+/-0.000 χ^2/NDF: 44.6/33

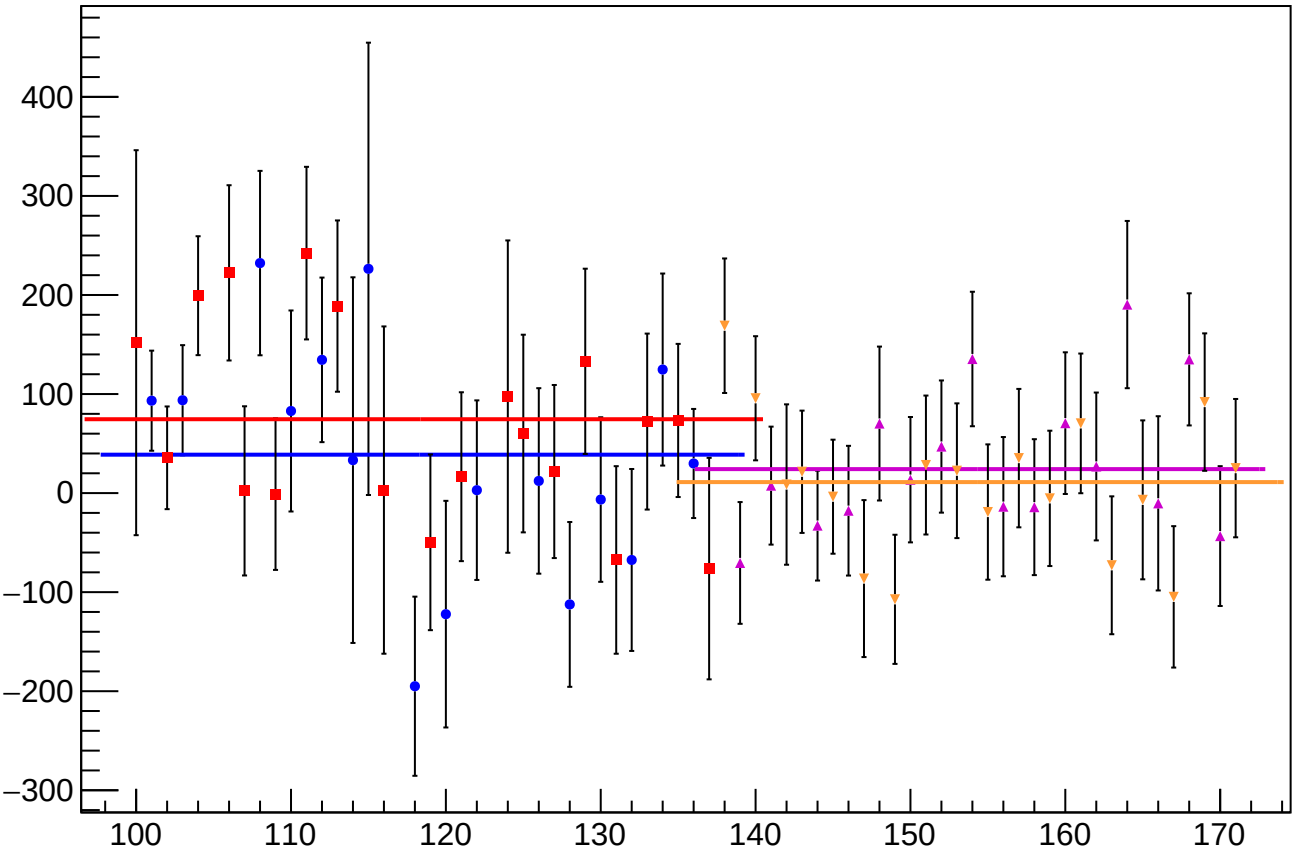
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:38.7/31

Out: 0.000+/-0.000 χ^2/NDF:36.0/36

All: -0.000+/-0.000 χ^2/NDF: 76.1/68


asym_sam8_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
0
100
110
120
130
140
150
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:1561425.4/15
Left: 0.000+/-0.000 χ²/NDF: 7654786.1/33
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4356463.3/31
Out: 0.000+/-0.000 χ²/NDF:9652934.4/36
All: 0.000+/-0.000 χ²/NDF: 15478960.5/68



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: 24.208+/-17.033 χ^2/NDF:15.8/15

Left: 17.330+/-11.741 χ^2/NDF: 35.0/33

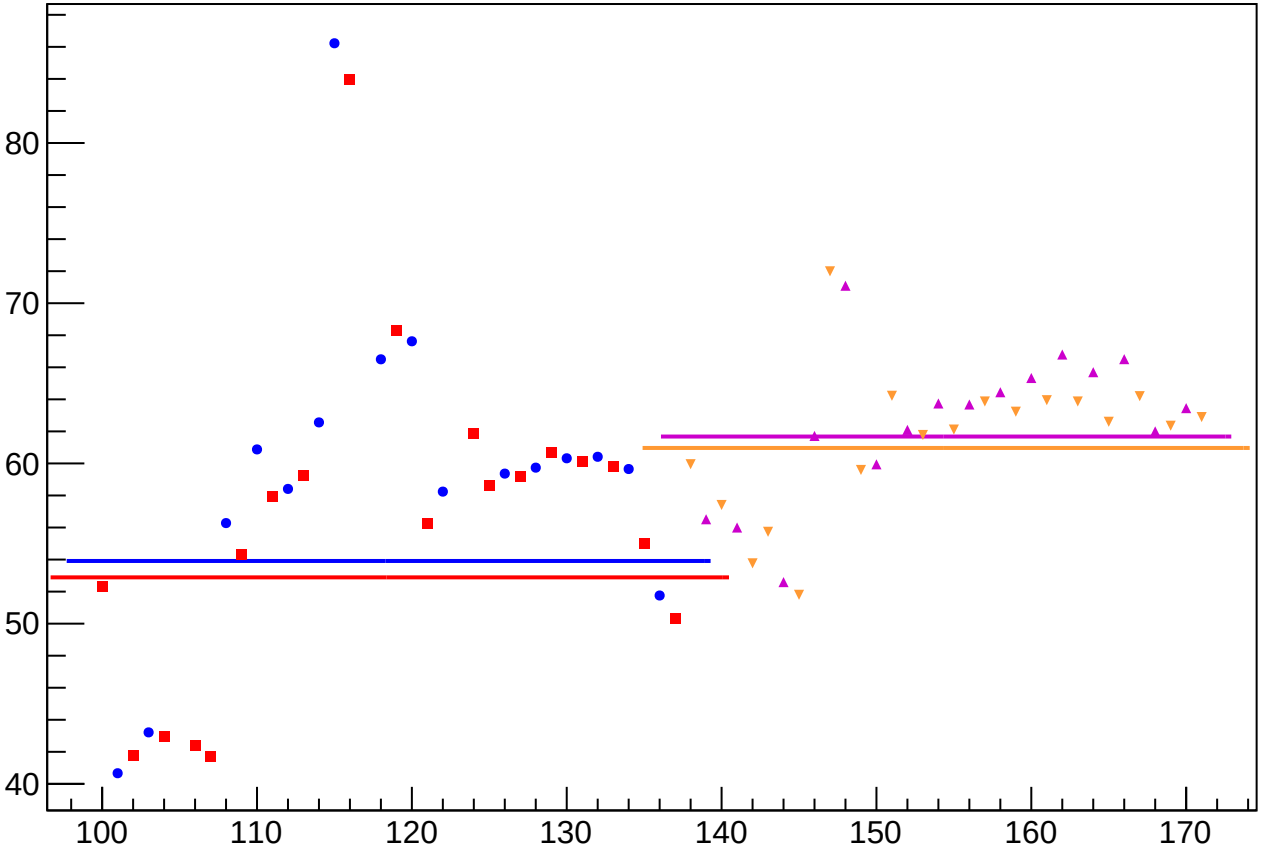
Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 30.190+/-13.078 χ^2/NDF:39.4/31

Out: 36.565+/-12.541 χ^2/NDF:47.4/36

All: 33.511+/-9.052 χ^2/NDF: 87.0/68

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: 61.679+/-0.012 χ^2/NDF:150079.0/15

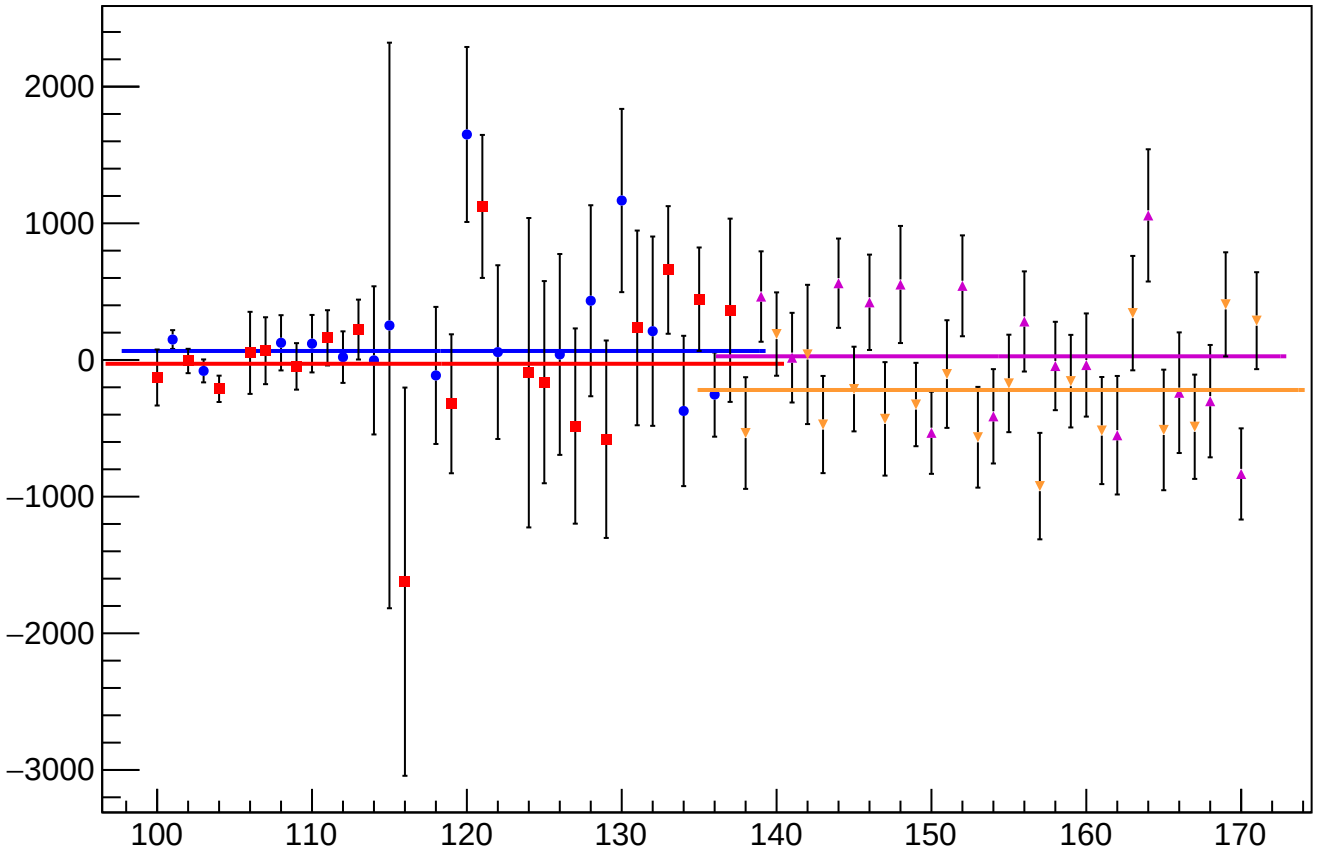
Left: 61.305+/-0.008 χ^2/NDF: 304431.1/33

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.491+/-0.009 χ^2/NDF:714013.5/31

Out: 57.726+/-0.009 χ^2/NDF:777030.6/36

All: 58.092+/-0.006 χ^2/NDF: 1494604.6/68



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: 26.846+/-90.573 χ^2/NDF:28.8/15

Left: -101.059+/-62.817 χ^2/NDF: 48.5/33

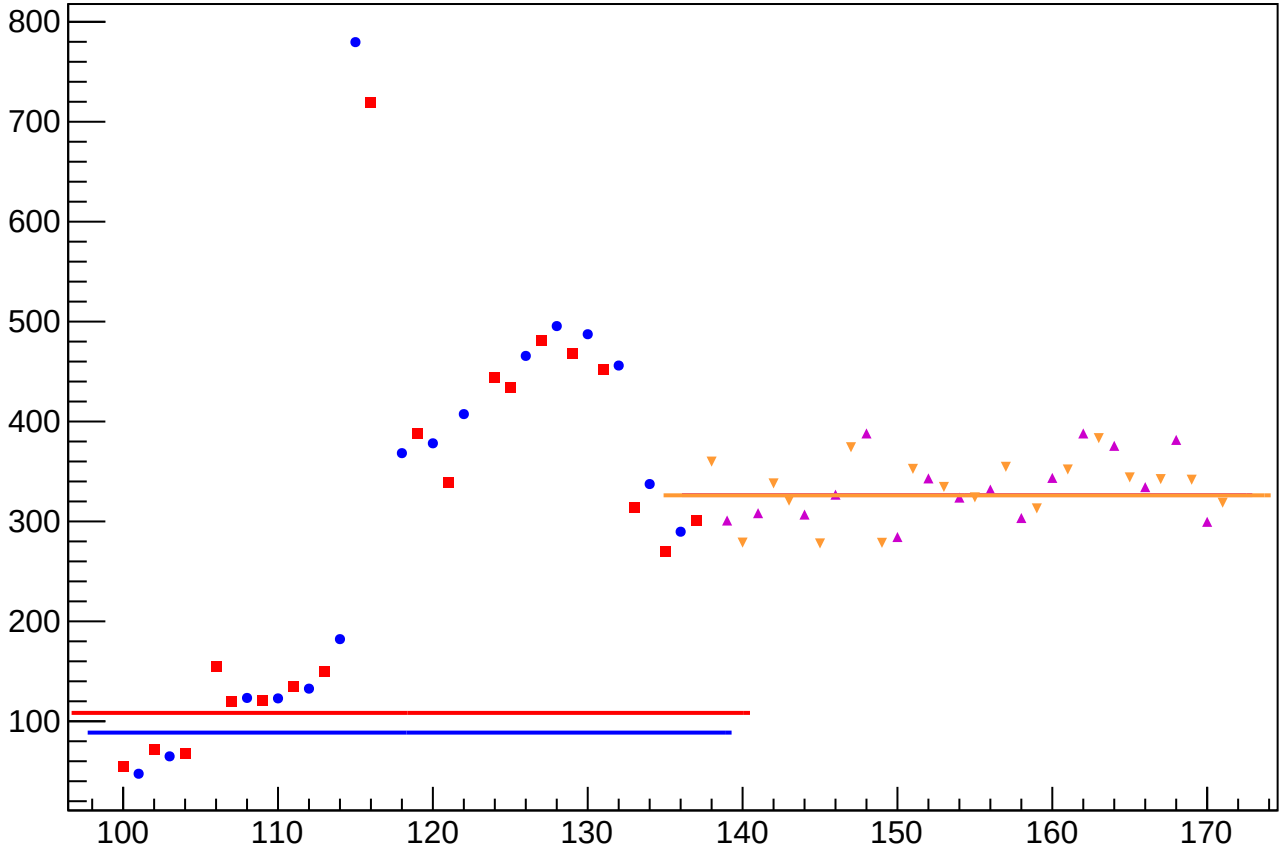
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 57.722+/-41.352 χ^2/NDF:44.6/31

Out: -75.715+/-43.565 χ^2/NDF:37.5/36

All: -5.521+/-29.992 χ^2/NDF: 87.1/68

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: 326.392+/-0.064 χ^2/NDF:235161.4/15

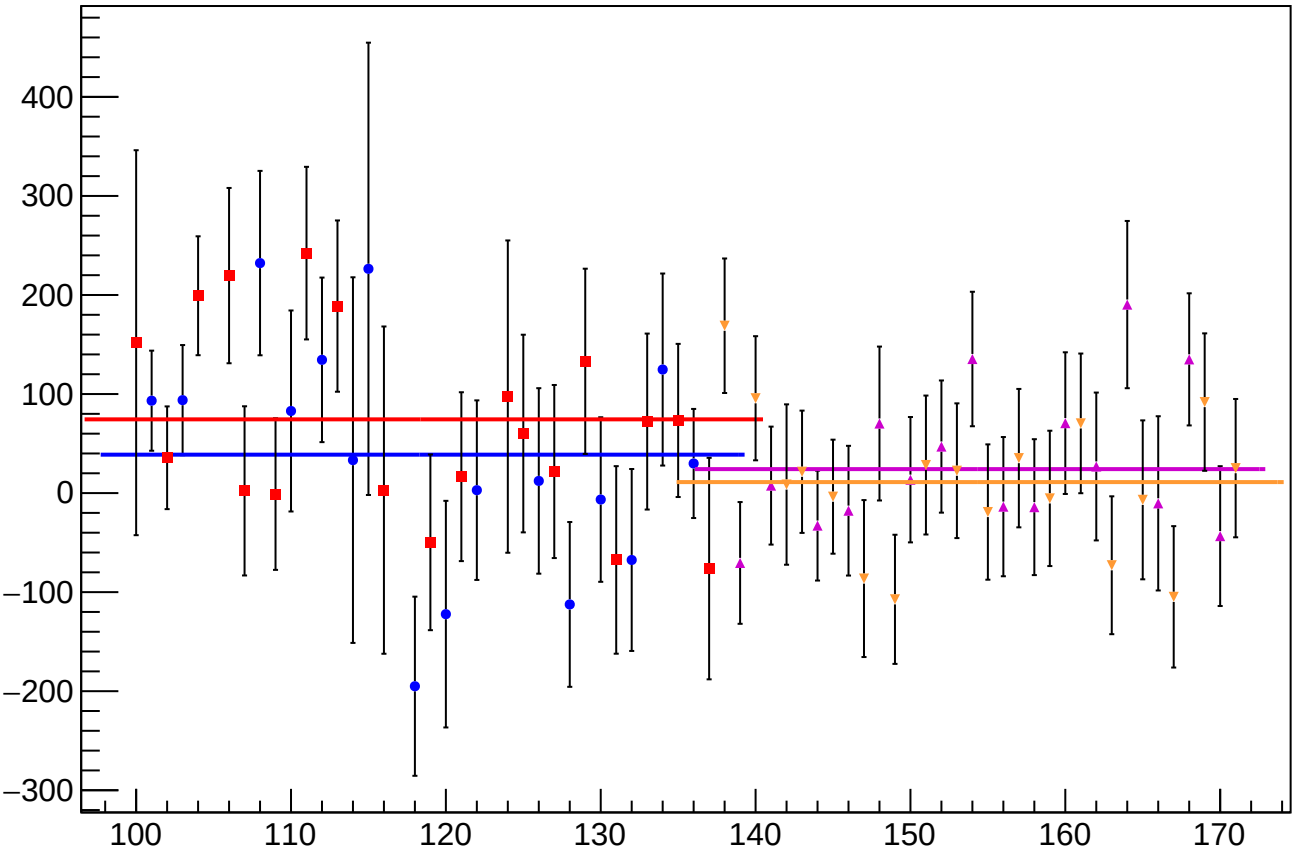
Left: 326.257+/-0.044 χ^2/NDF: 503333.5/33

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 138.212+/-0.029 χ^2/NDF:17790004.9/31

Out: 162.740+/-0.031 χ^2/NDF:14990065.1/36

All: 149.837+/-0.021 χ^2/NDF: 33113572.3/68



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: 24.205+/-17.033 χ^2/NDF:15.8/15

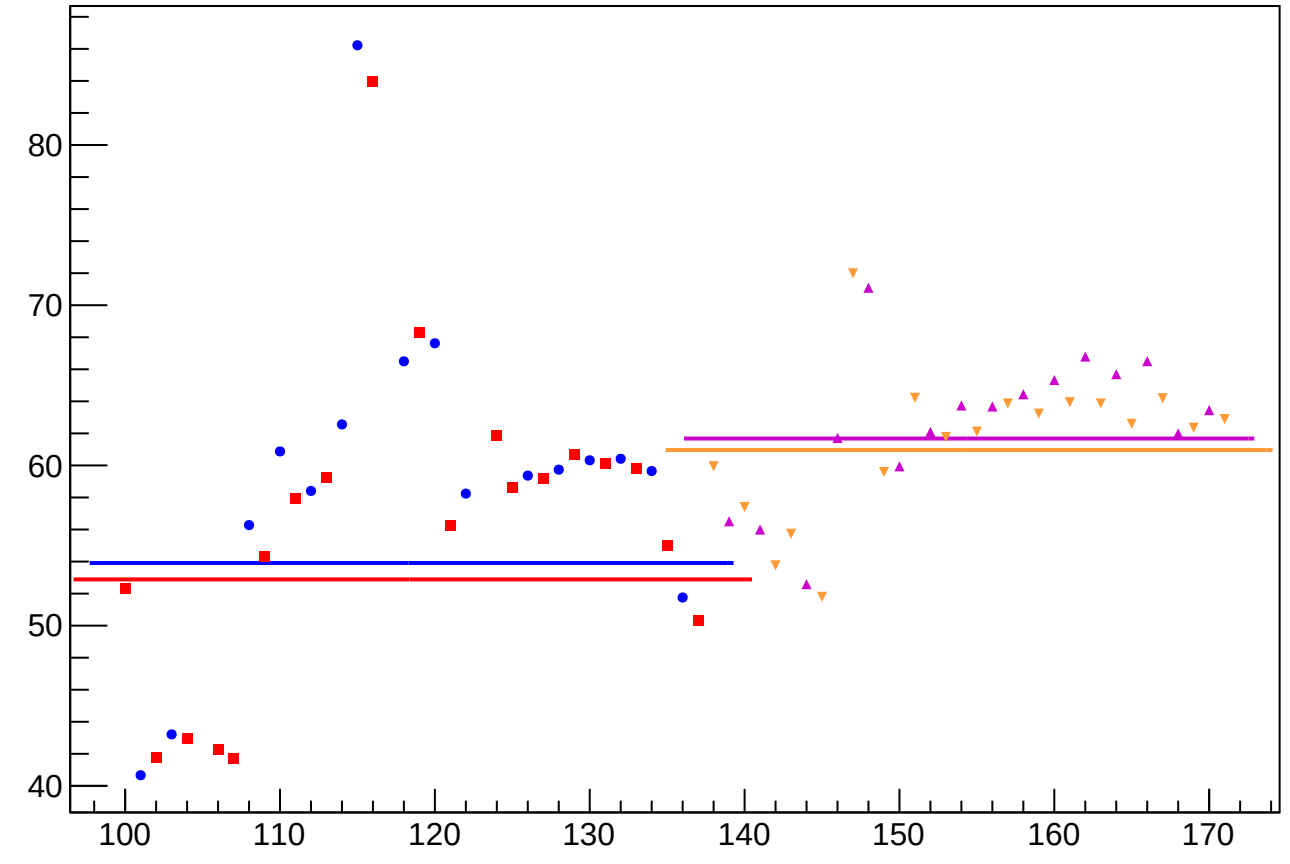
Left: 17.329+/-11.741 χ^2/NDF: 35.0/33

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 30.193+/-13.078 χ^2/NDF:39.4/31

Out: 36.509+/-12.541 χ^2/NDF:47.3/36

All: 33.483+/-9.052 χ^2/NDF: 86.9/68



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: 61.679+/-0.012 χ^2/NDF:150079.0/15

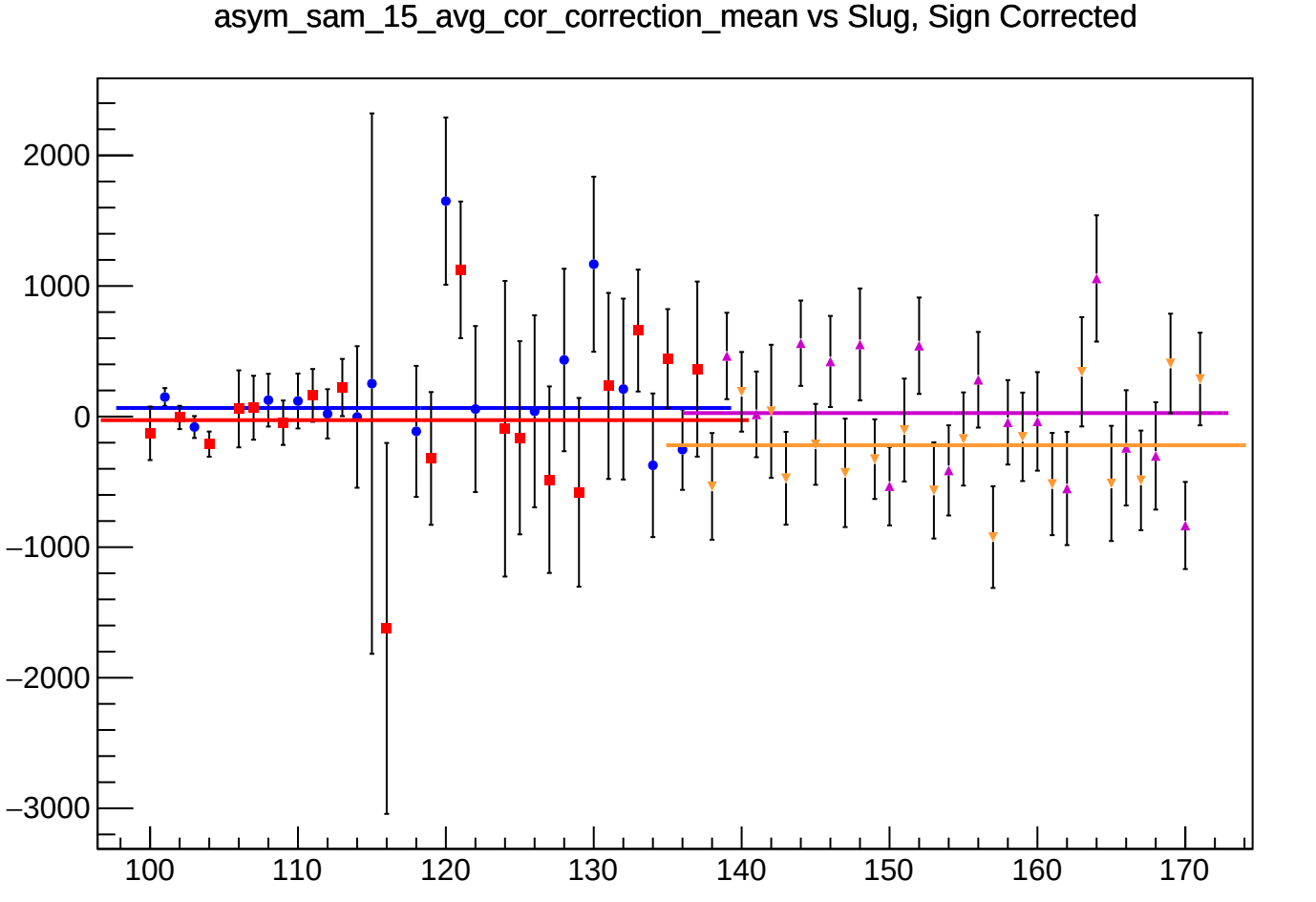
Left: 61.305+/-0.008 χ^2/NDF: 304431.1/33

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

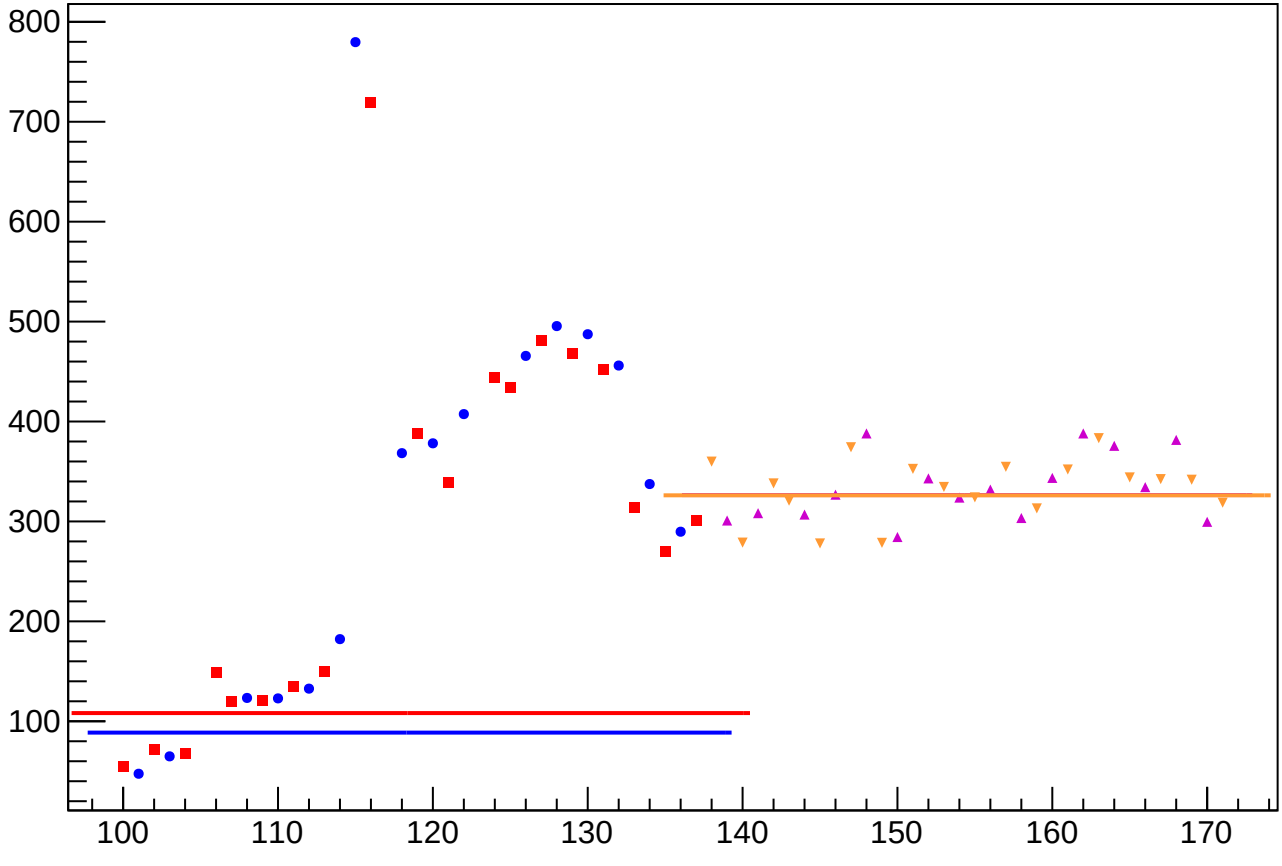
In: 58.491+/-0.009 χ^2/NDF:714012.6/31

Out: 57.726+/-0.009 χ^2/NDF:777432.0/36

All: 58.092+/-0.006 χ^2/NDF: 1495010.9/68


asym_sam_15_avg_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: 65.857+/-46.477 χ²/NDF: 15.7/15
Left Out: -219.600+/-87.195 χ²/NDF:15.9/17
Right Out: -27.406+/-50.249 χ²/NDF: 18.0/18
Left In: 26.844+/-90.573 χ²/NDF:28.8/15
Left: -101.059+/-62.817 χ²/NDF: 48.5/33
Right: 22.856+/-34.120 χ²/NDF: 35.6/34
In: 57.725+/-41.351 χ²/NDF:44.6/31
Out: -75.320+/-43.537 χ²/NDF:37.5/36
All: -5.374+/-29.982 χ²/NDF: 87.1/68

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: 326.392+/-0.064 χ^2/NDF:235166.7/15

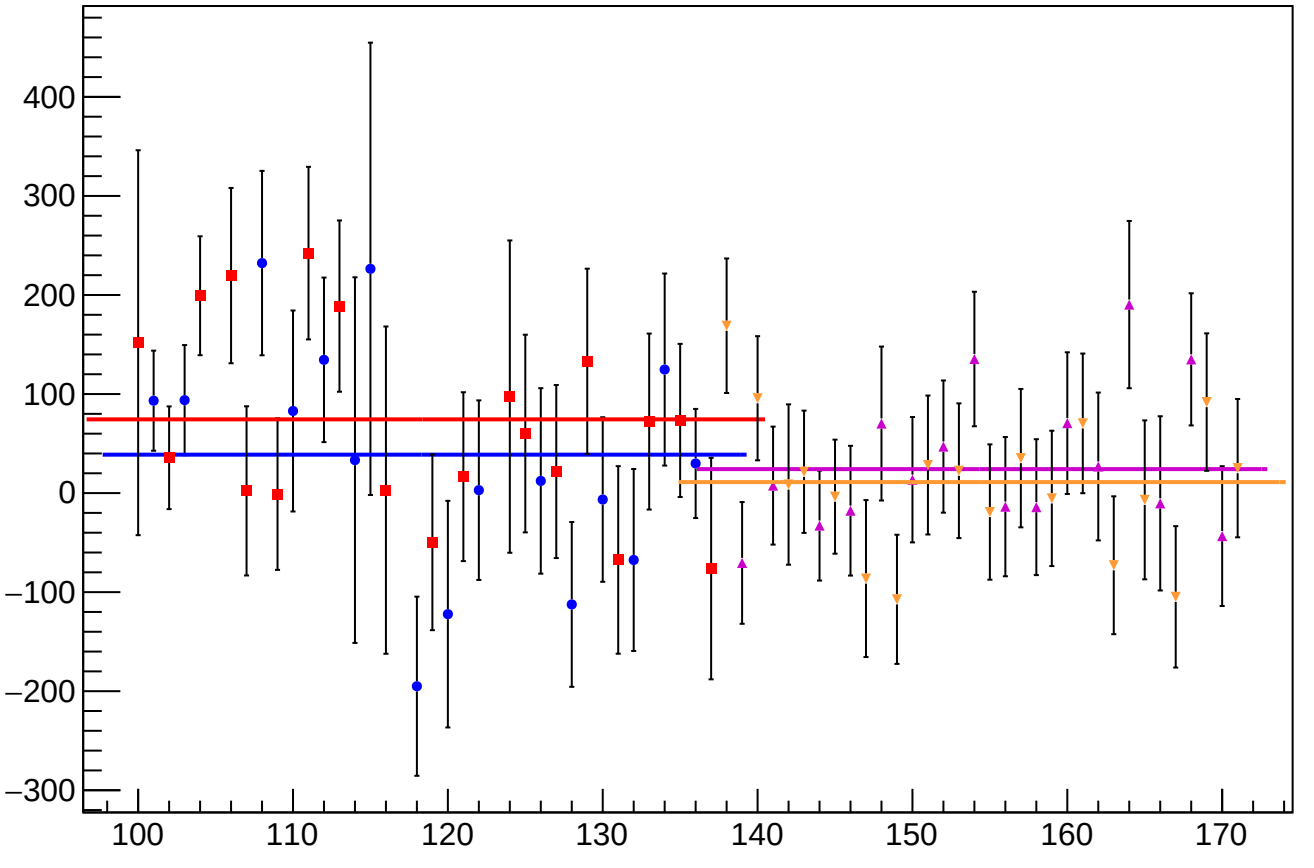
Left: 326.257+/-0.044 χ^2/NDF: 503337.6/33

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 138.208+/-0.029 χ^2/NDF:17790414.5/31

Out: 162.536+/-0.031 χ^2/NDF:15001429.5/36

All: 149.746+/-0.021 χ^2/NDF: 33120164.2/68



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: 24.205+/-17.033 χ^2/NDF:15.8/15

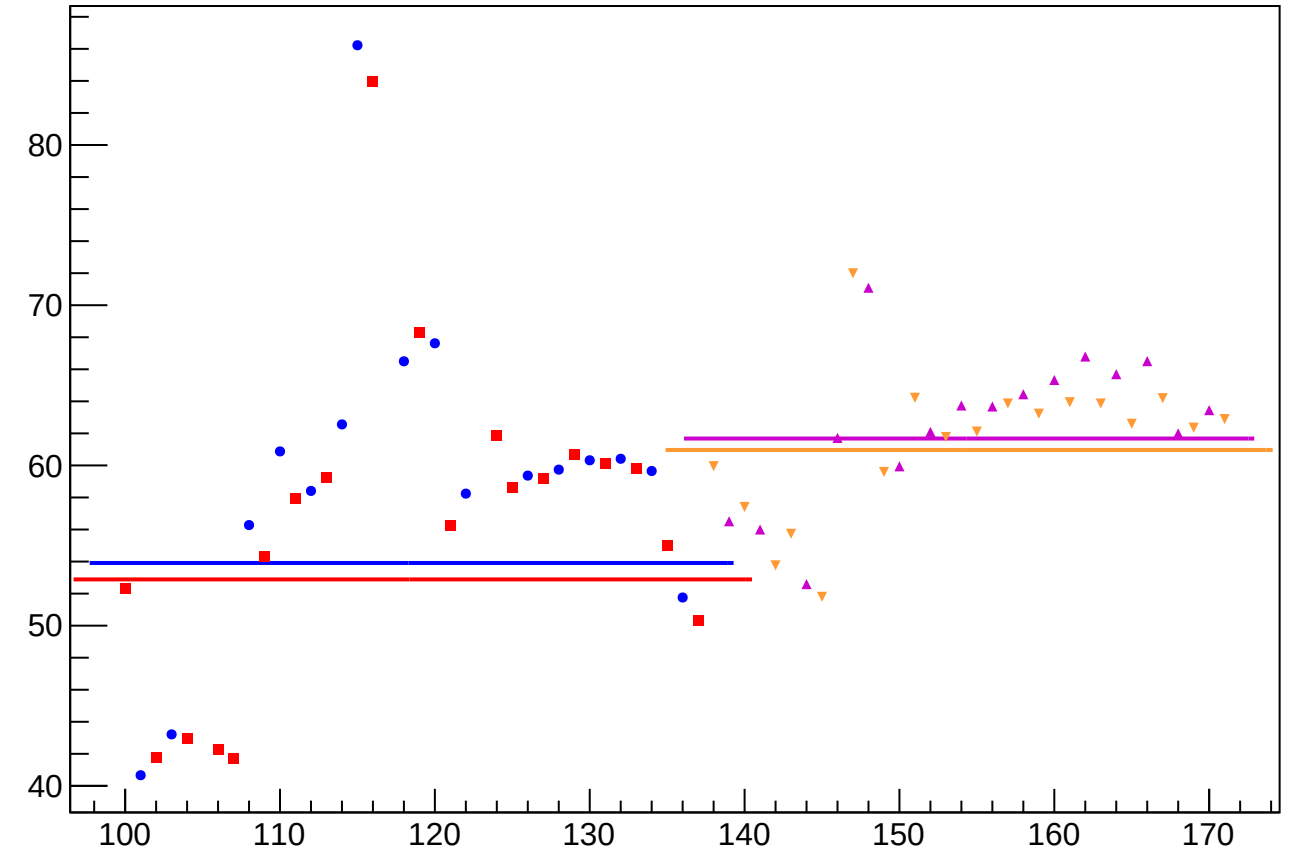
Left: 17.329+/-11.741 χ^2/NDF: 35.0/33

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 30.193+/-13.078 χ^2/NDF:39.4/31

Out: 36.509+/-12.541 χ^2/NDF:47.3/36

All: 33.483+/-9.052 χ^2/NDF: 86.9/68



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: 61.679+/-0.012 χ^2/NDF:150079.0/15

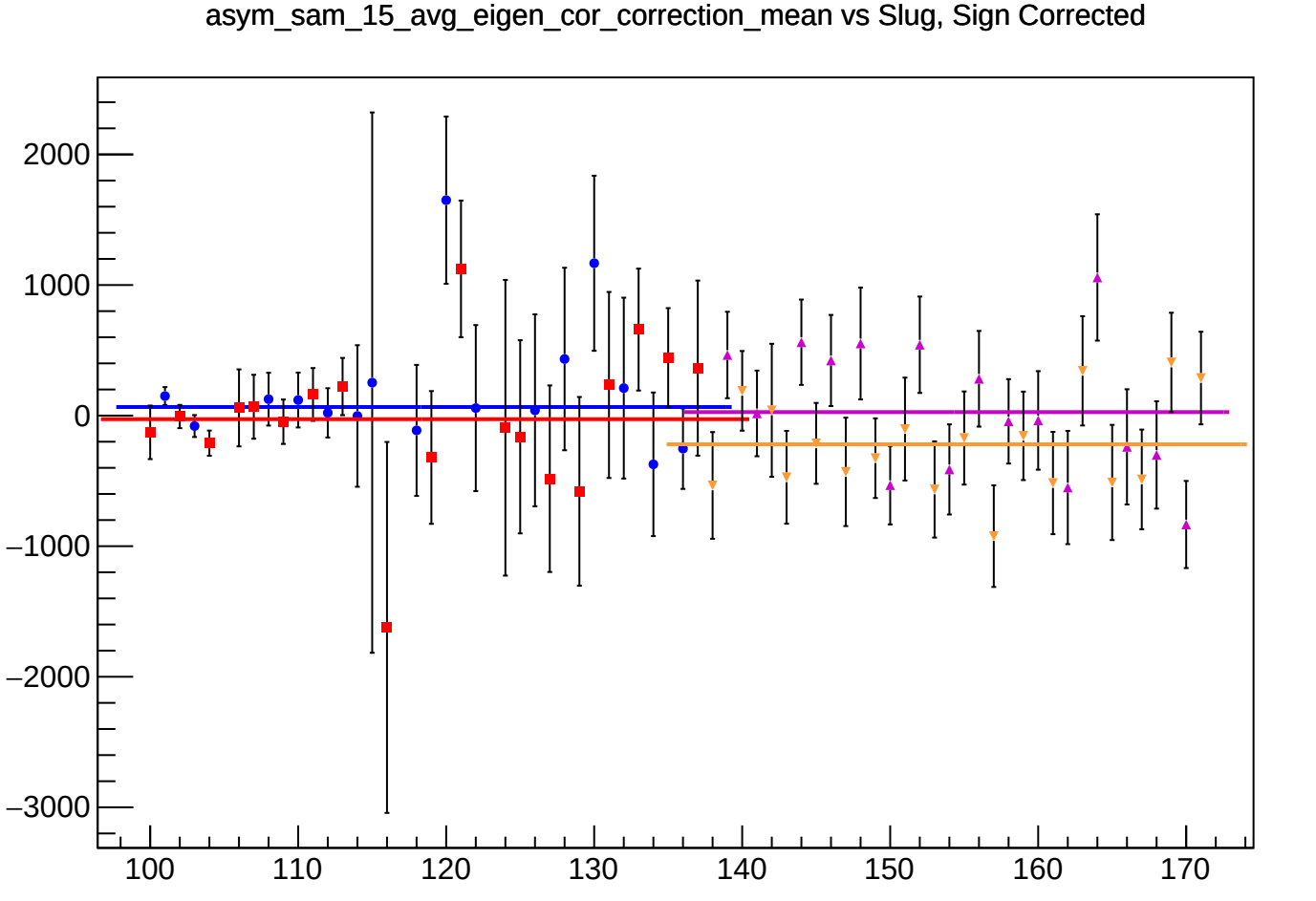
Left: 61.305+/-0.008 χ^2/NDF: 304431.1/33

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

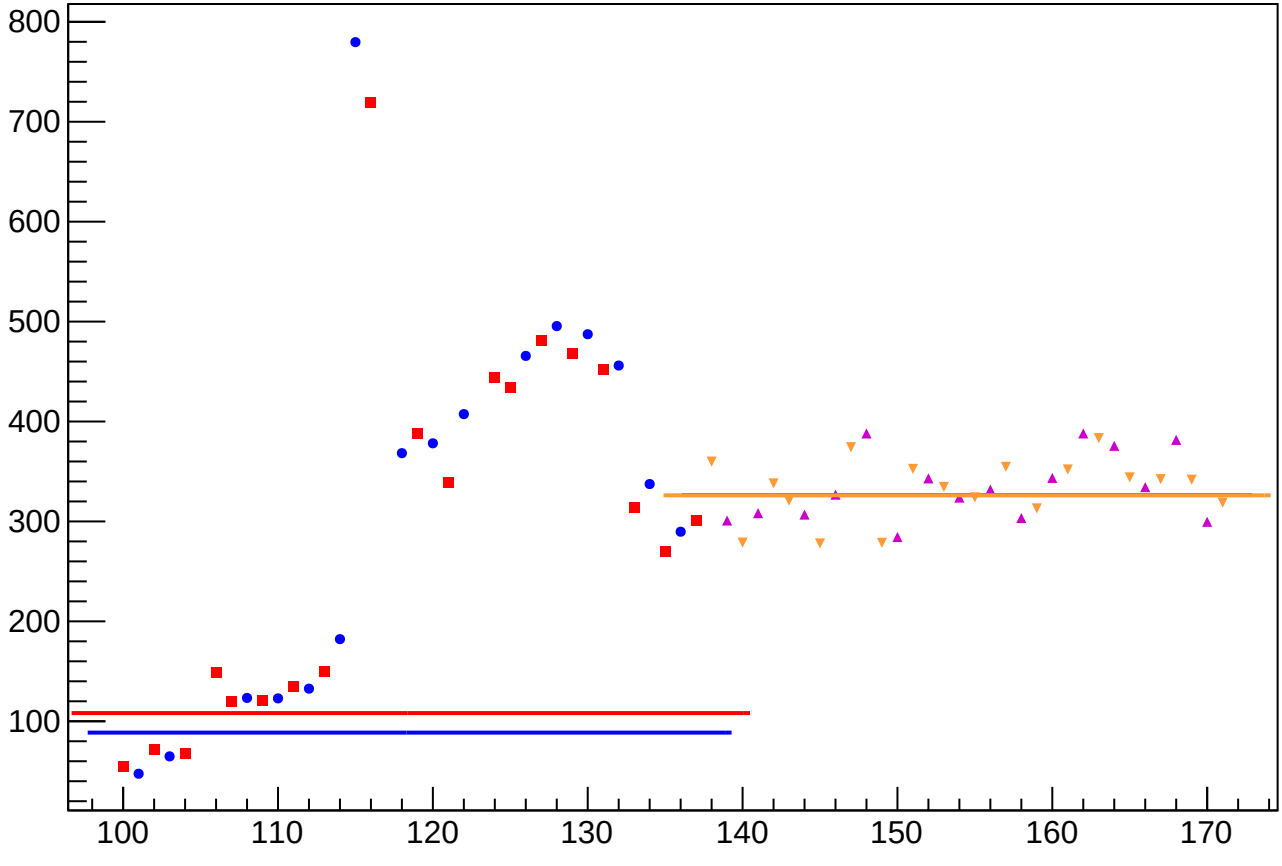
In: 58.491+/-0.009 χ^2/NDF:714012.6/31

Out: 57.726+/-0.009 χ^2/NDF:777432.0/36

All: 58.092+/-0.006 χ^2/NDF: 1495010.9/68


asym_sam_15_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
100
110
120
130
140
150
160
170
Right In: 65.857+/-46.477 χ²/NDF: 15.7/15
Left Out: -219.600+/-87.195 χ²/NDF:15.9/17
Right Out: -27.406+/-50.249 χ²/NDF: 18.0/18
Left In: 26.844+/-90.573 χ²/NDF:28.8/15
Left: -101.059+/-62.817 χ²/NDF: 48.5/33
Right: 22.856+/-34.120 χ²/NDF: 35.6/34
In: 57.725+/-41.351 χ²/NDF:44.6/31
Out: -75.320+/-43.537 χ²/NDF:37.5/36
All: -5.374+/-29.982 χ²/NDF: 87.1/68

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: 326.392+/-0.064 χ^2/NDF:235166.7/15

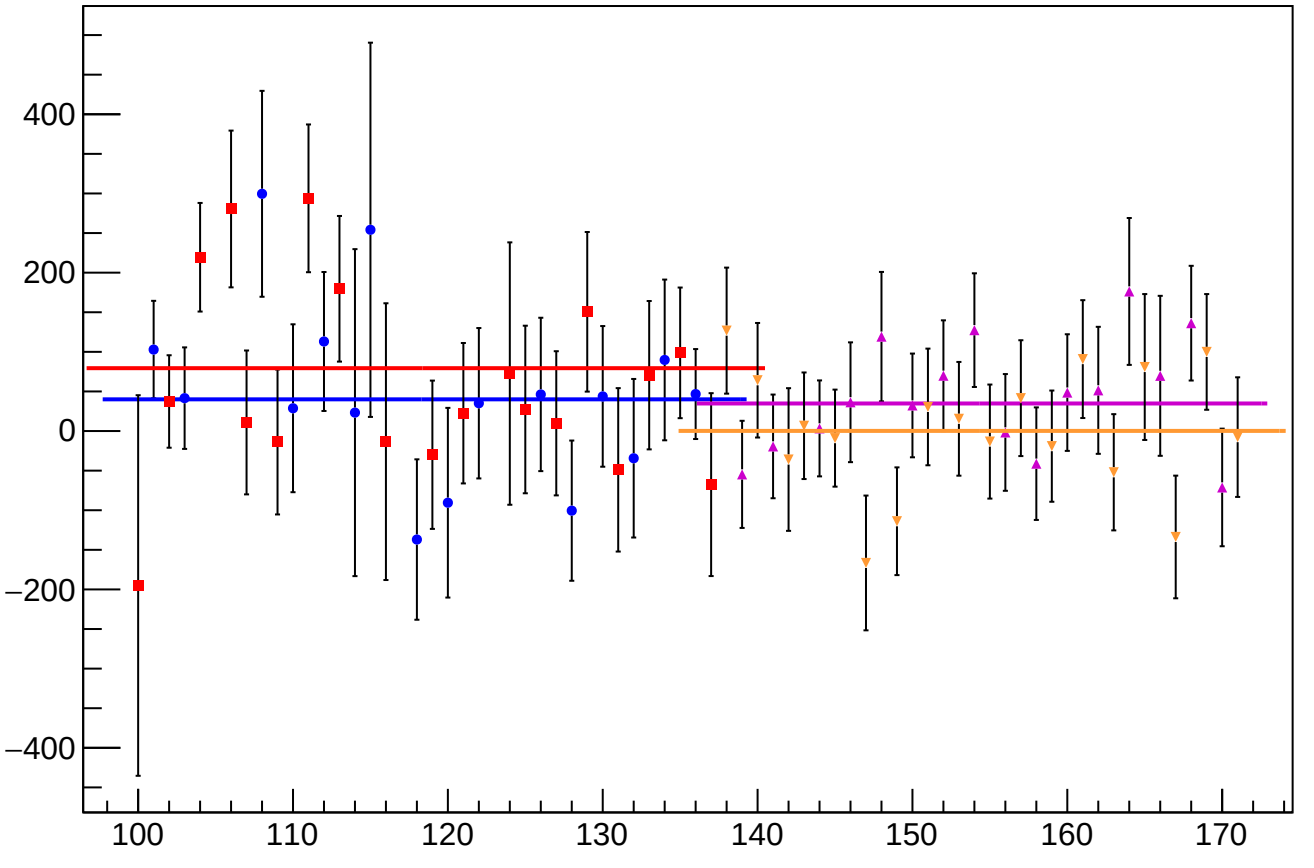
Left: 326.257+/-0.044 χ^2/NDF: 503337.6/33

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 138.208+/-0.029 χ^2/NDF:17790414.5/31

Out: 162.536+/-0.031 χ^2/NDF:15001429.5/36

All: 149.746+/-0.021 χ^2/NDF: 33120164.2/68



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: 34.802+/-18.291 χ^2/NDF:13.6/15

Left: 16.664+/-12.621 χ^2/NDF: 33.9/33

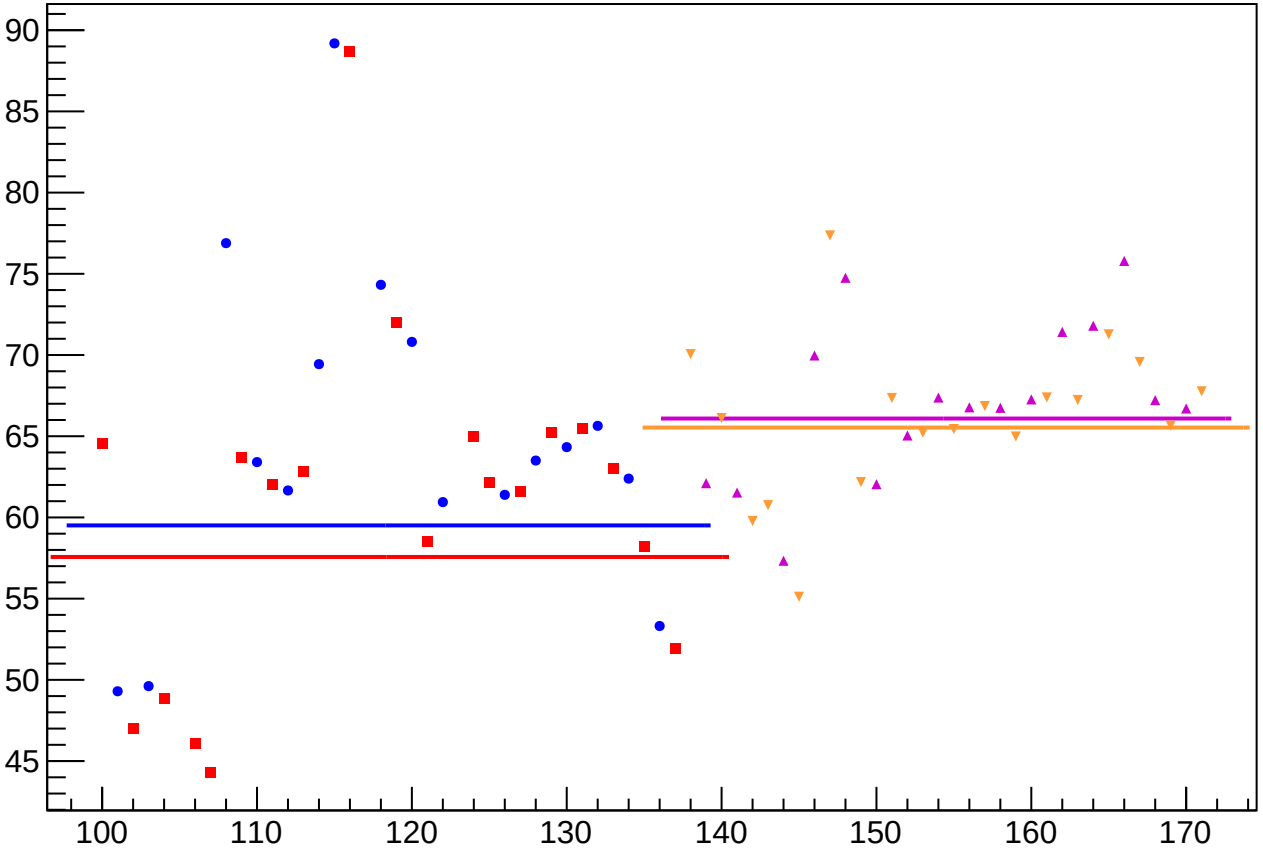
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 36.881+/-14.197 χ^2/NDF:27.8/31

Out: 31.470+/-13.563 χ^2/NDF:51.4/36

All: 34.052+/-9.807 χ^2/NDF: 79.2/68

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: 66.089+/-0.013 χ^2/NDF:131257.3/15

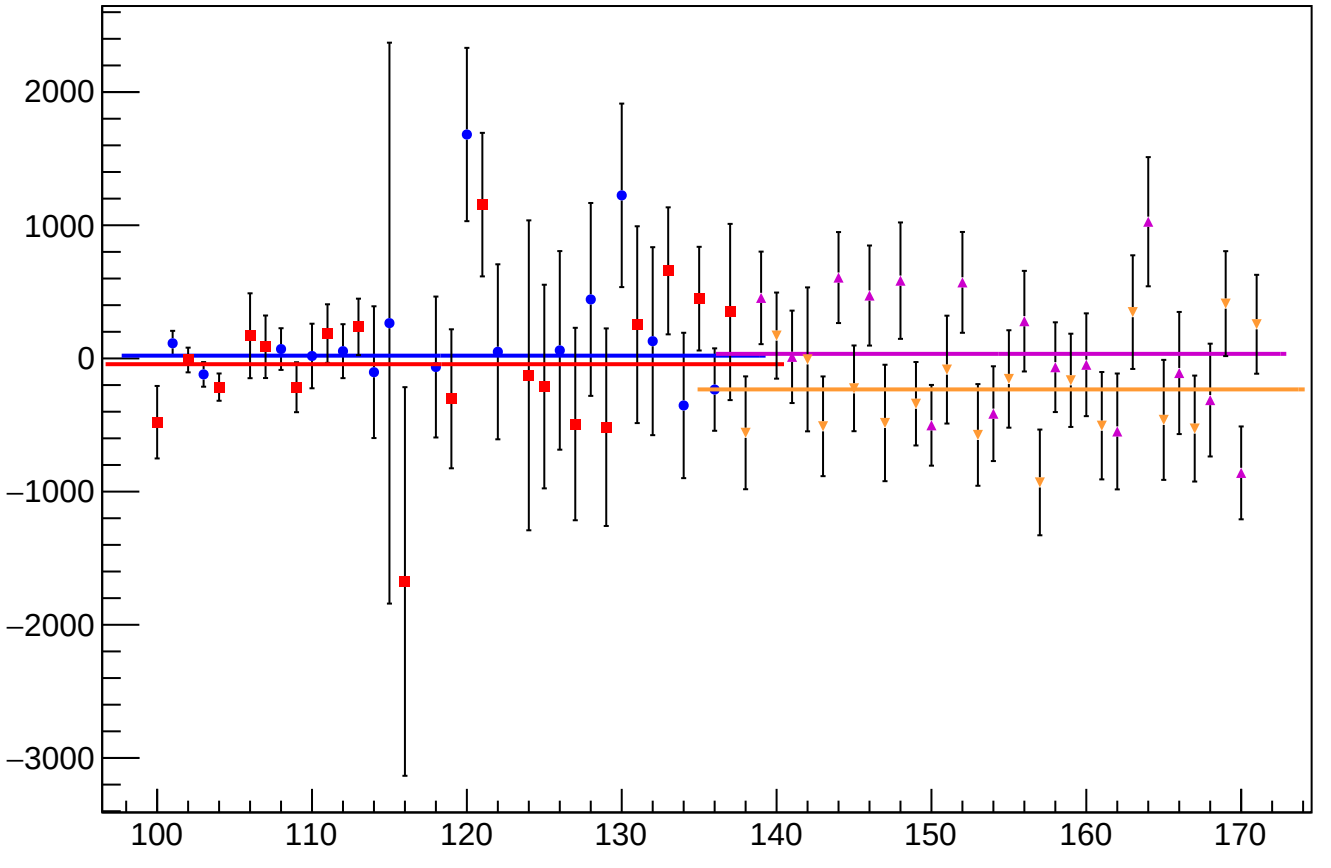
Left: 65.799+/-0.009 χ^2/NDF: 277716.1/33

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.473+/-0.010 χ^2/NDF:517374.1/31

Out: 62.386+/-0.010 χ^2/NDF:657824.9/36

All: 62.905+/-0.007 χ^2/NDF: 1181325.0/68



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: 34.354+/-93.718 χ^2/NDF:27.8/15

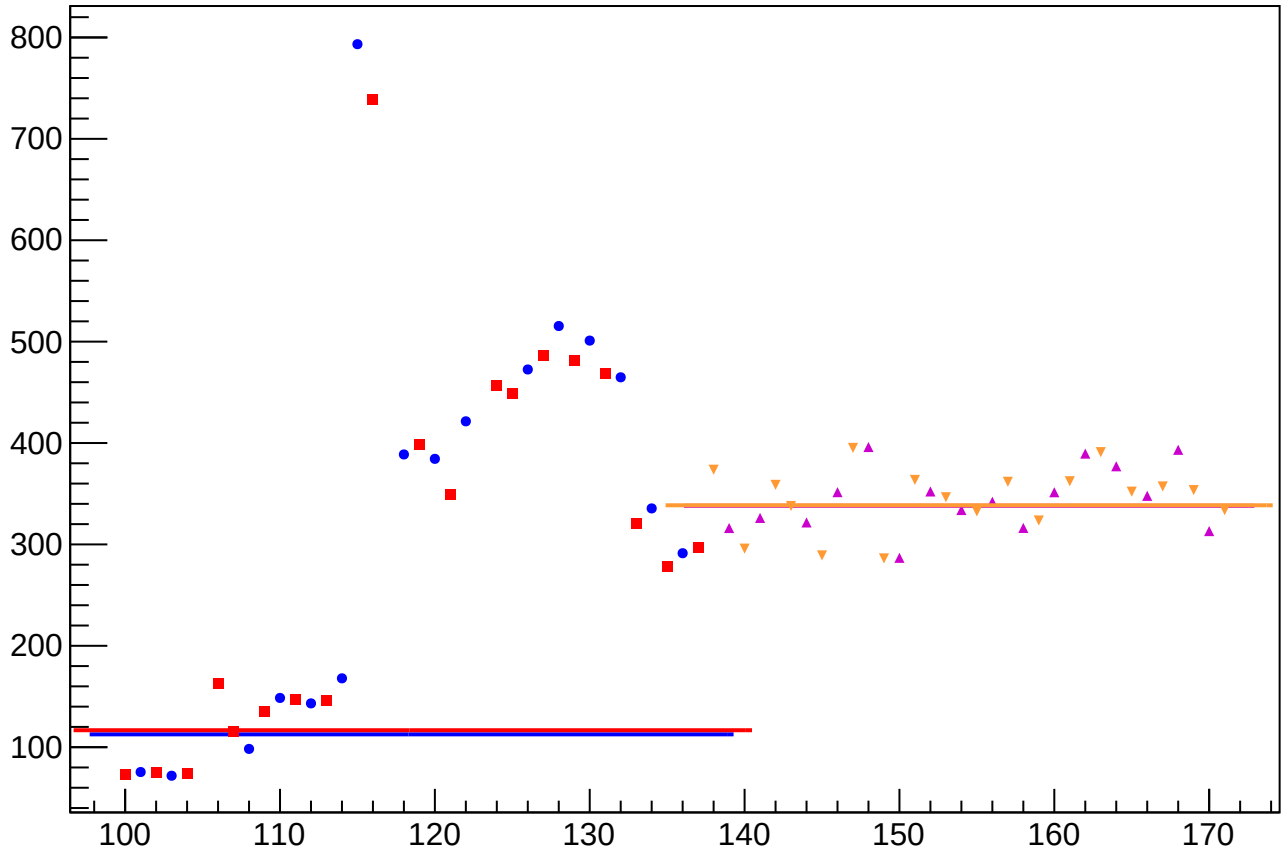
Left: -103.878+/-65.074 χ^2/NDF: 47.0/33

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 24.170+/-46.518 χ^2/NDF:42.5/31

Out: -91.952+/-45.860 χ^2/NDF:39.7/36

All: -34.719+/-32.658 χ^2/NDF: 85.4/68



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: 338.068+/-0.066 χ^2/NDF:210115.5/15

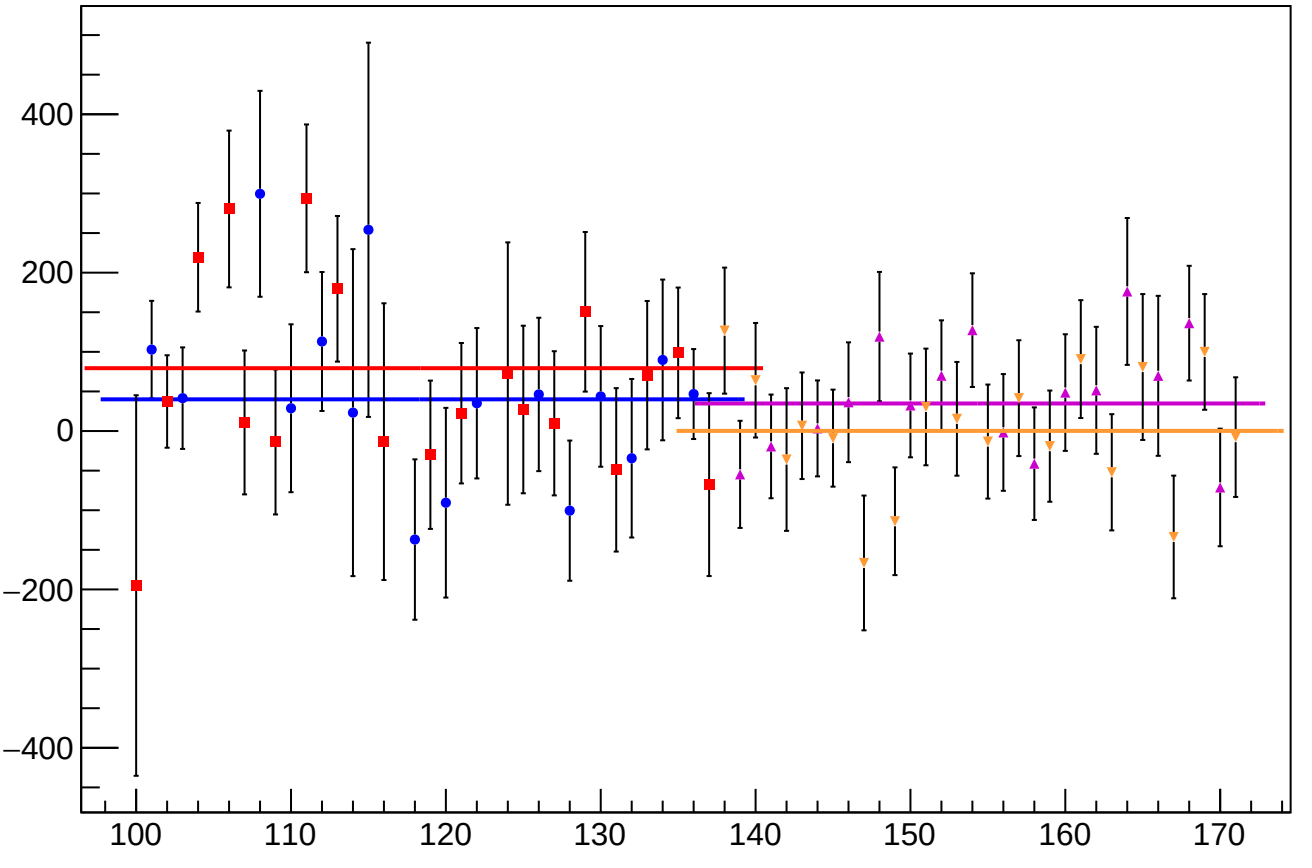
Left: 338.343+/-0.046 χ^2/NDF: 464208.9/33

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 168.201+/-0.033 χ^2/NDF:14528387.1/31

Out: 173.797+/-0.032 χ^2/NDF:14338709.8/36

All: 171.039+/-0.023 χ^2/NDF: 28881773.5/68



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: 34.803+/-18.291 χ^2/NDF:13.6/15

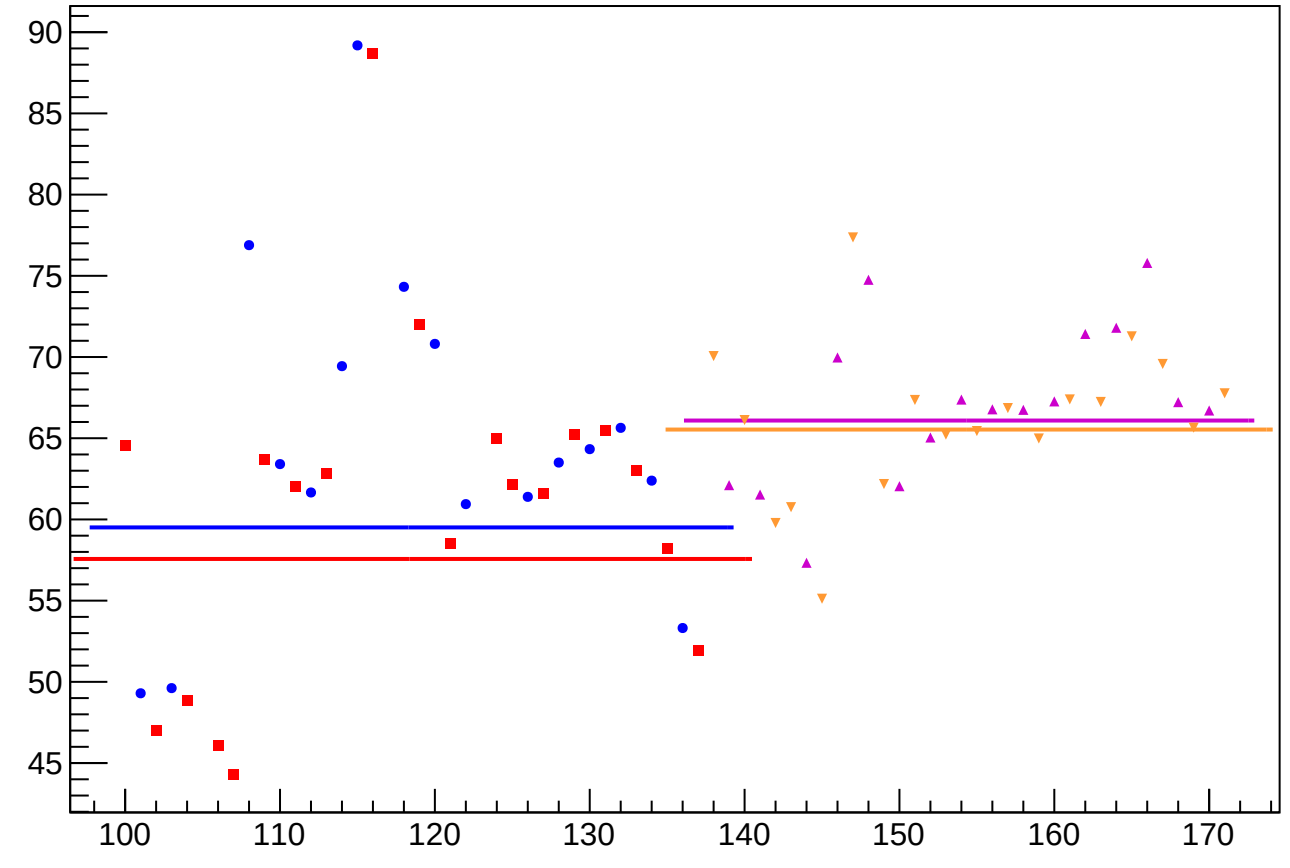
Left: 16.664+/-12.621 χ^2/NDF: 33.9/33

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 36.881+/-14.197 χ^2/NDF:27.8/31

Out: 31.470+/-13.563 χ^2/NDF:51.4/36

All: 34.052+/-9.807 χ^2/NDF: 79.2/68



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: 66.089+/-0.013 χ^2/NDF:131253.4/15

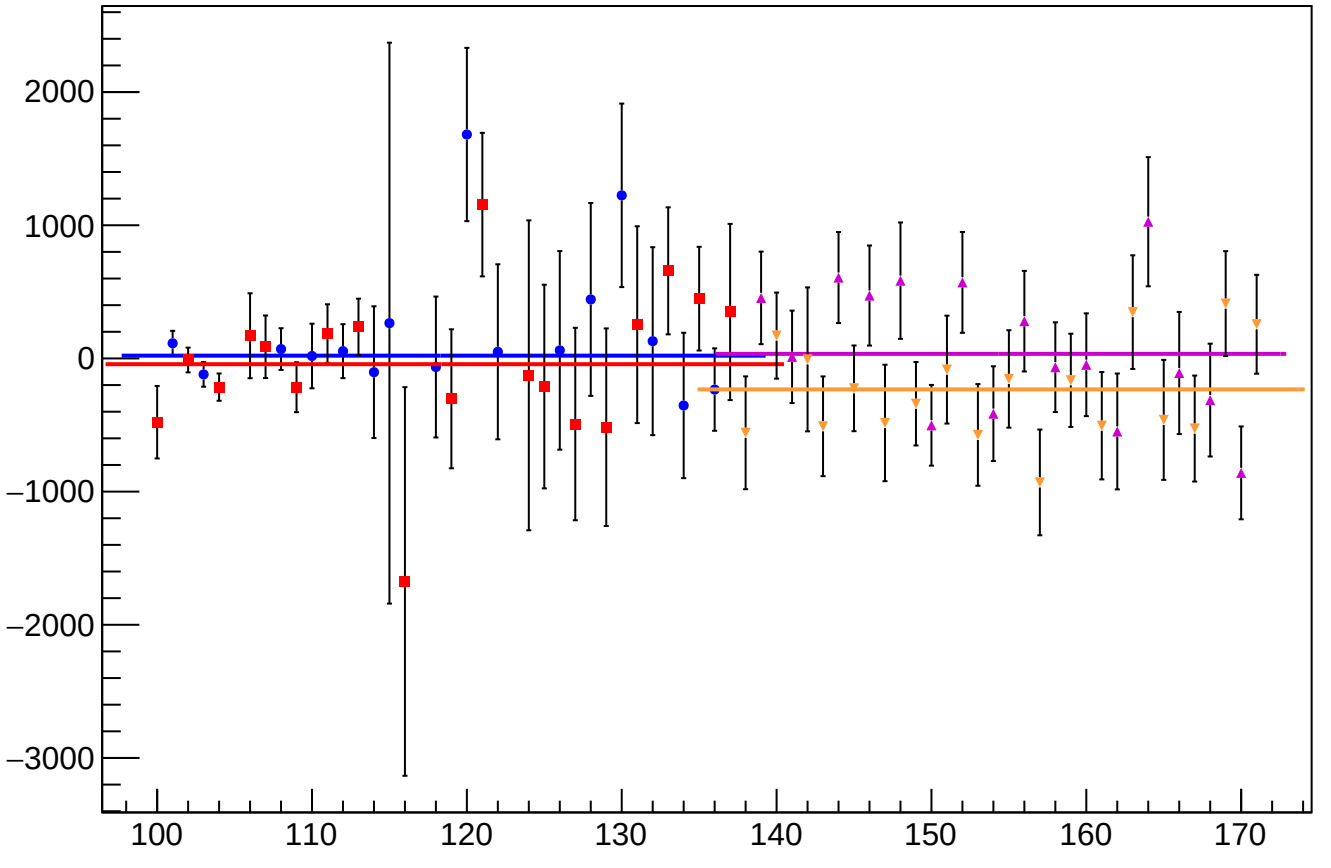
Left: 65.799+/-0.009 χ^2/NDF: 277714.4/33

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.473+/-0.010 χ^2/NDF:517375.1/31

Out: 62.386+/-0.010 χ^2/NDF:657830.6/36

All: 62.905+/-0.007 χ^2/NDF: 1181331.9/68



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: 34.354+/-93.718 χ^2/NDF:27.8/15

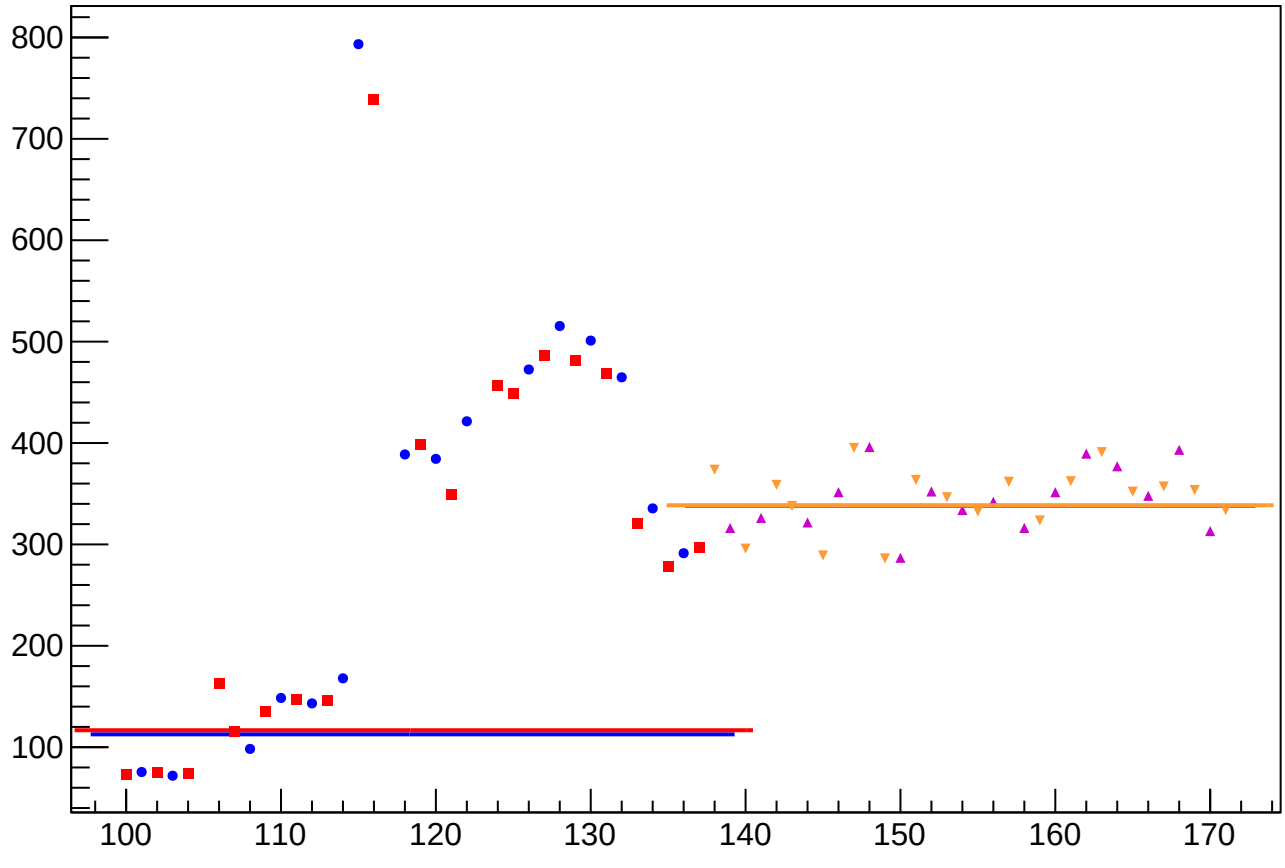
Left: -103.878+/-65.074 χ^2/NDF: 47.0/33

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 24.169+/-46.518 χ^2/NDF:42.5/31

Out: -91.952+/-45.860 χ^2/NDF:39.7/36

All: -34.719+/-32.658 χ^2/NDF: 85.4/68



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: 338.069+/-0.066 χ^2/NDF:210110.2/15

Left: 338.344+/-0.046 χ^2/NDF: 464202.1/33

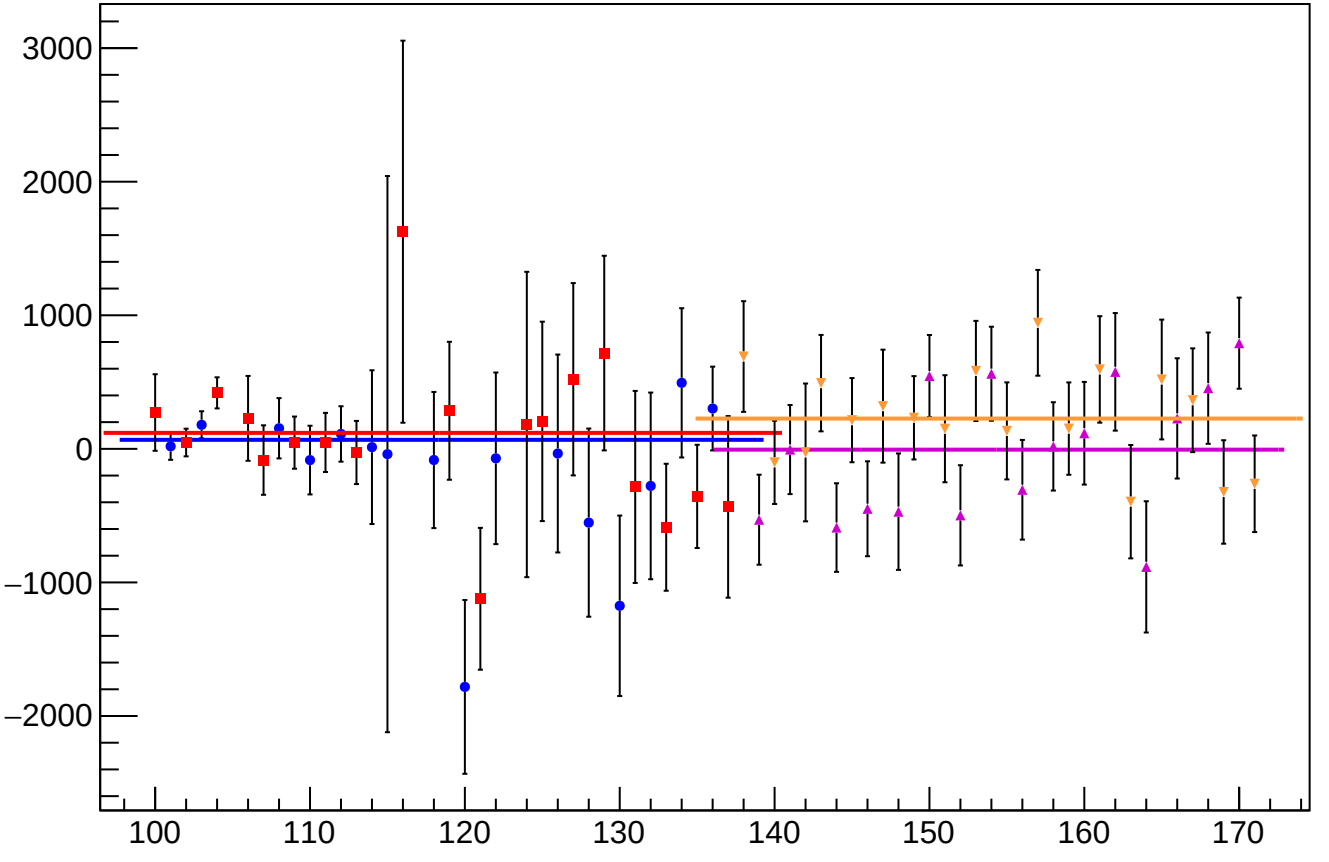
Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 168.201+/-0.033 χ^2/NDF:14528431.1/31

Out: 173.797+/-0.032 χ^2/NDF:14338779.8/36

All: 171.039+/-0.023 χ^2/NDF: 28881886.7/68

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 226.798+/-88.759 χ^2/NDF:14.9/17

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -6.008+/-92.238 χ^2/NDF:28.4/15

Left: 114.868+/-63.957 χ^2/NDF: 46.6/33

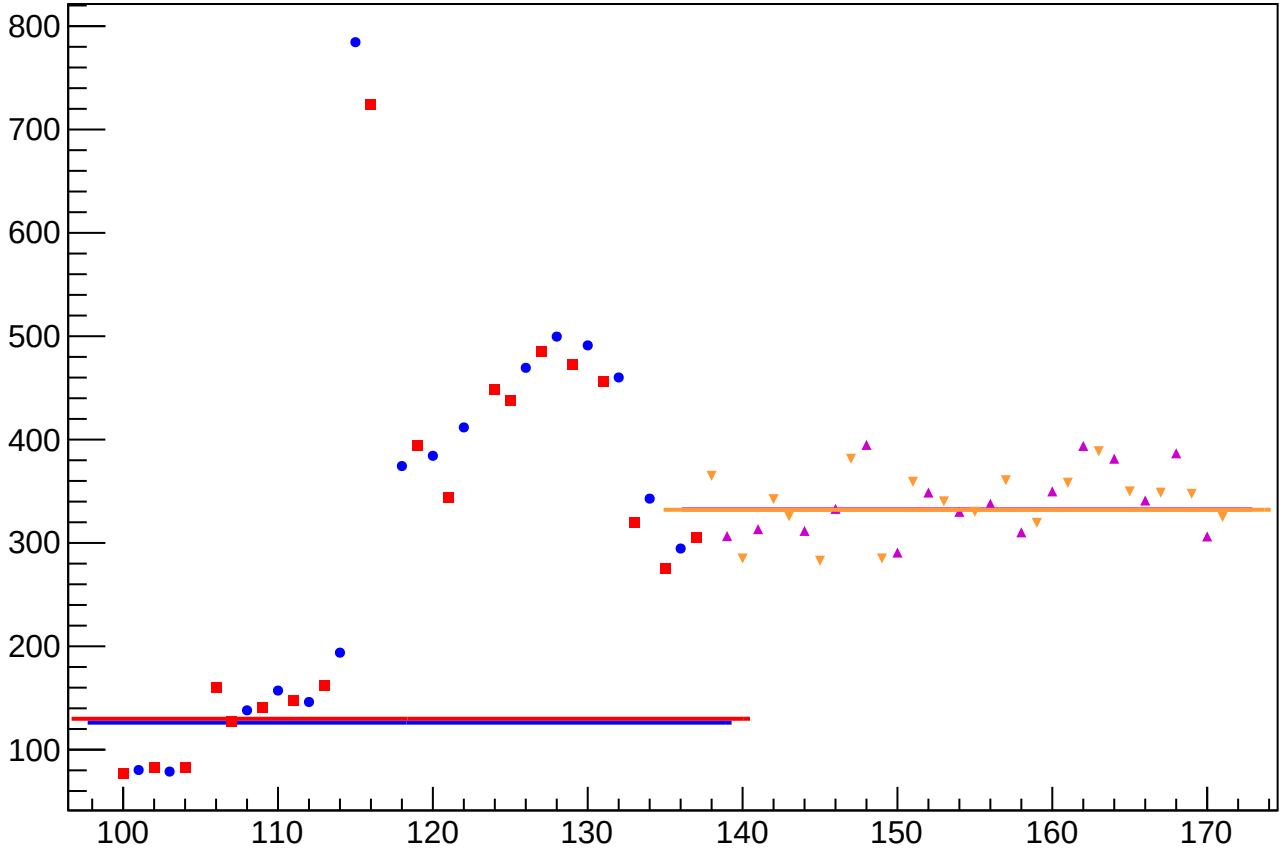
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 46.156+/-49.803 χ^2/NDF:44.6/31

Out: 151.656+/-48.519 χ^2/NDF:37.1/36

All: 100.284+/-34.753 χ^2/NDF: 84.0/68

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: 332.516+/-0.065 χ^2/NDF:226797.1/15

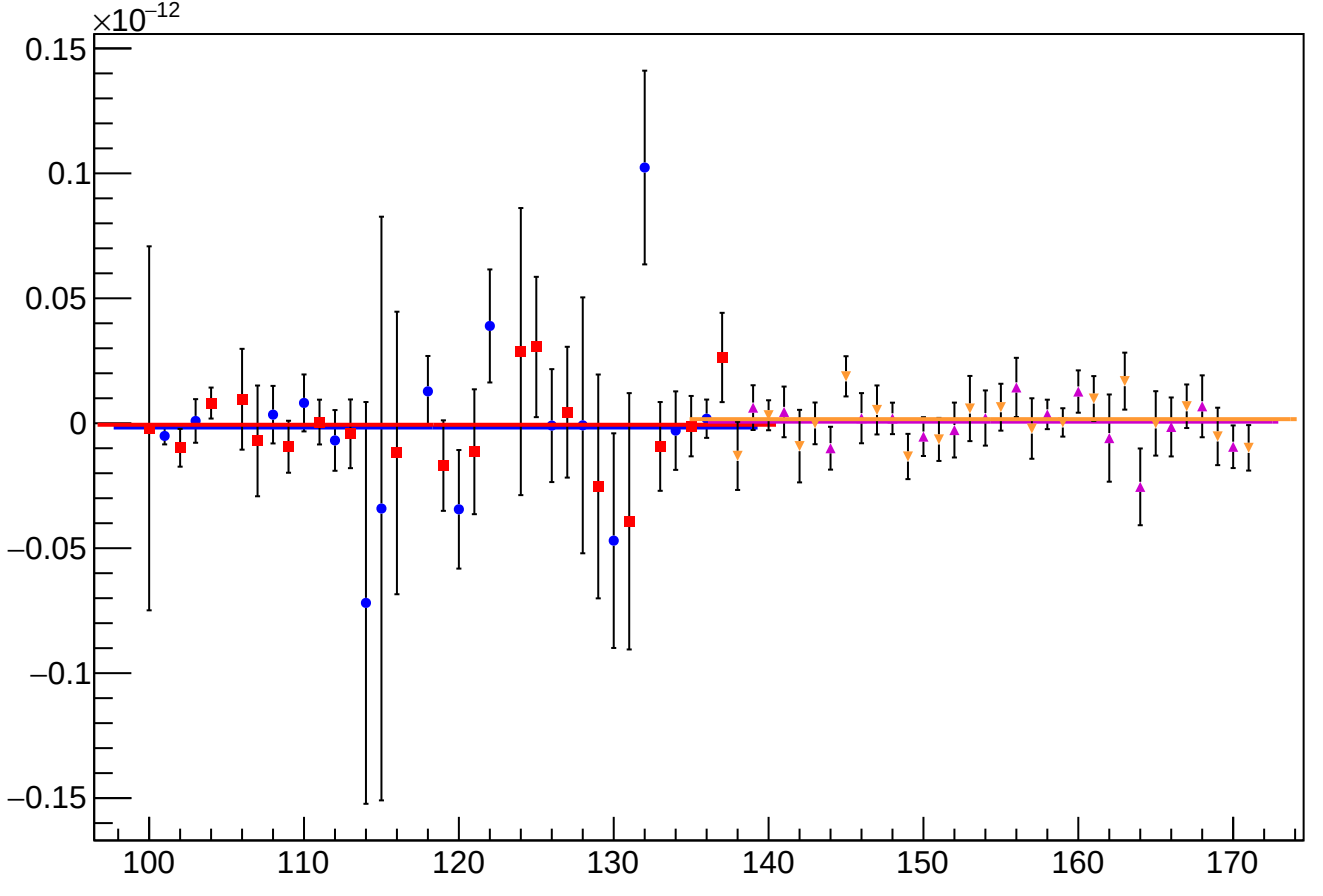
Left: 332.307+/-0.045 χ^2/NDF: 486436.9/33

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 186.315+/-0.035 χ^2/NDF:12539274.7/31

Out: 190.333+/-0.034 χ^2/NDF:12185126.9/36

All: 188.376+/-0.025 χ^2/NDF: 24731078.6/68



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:11.1/15

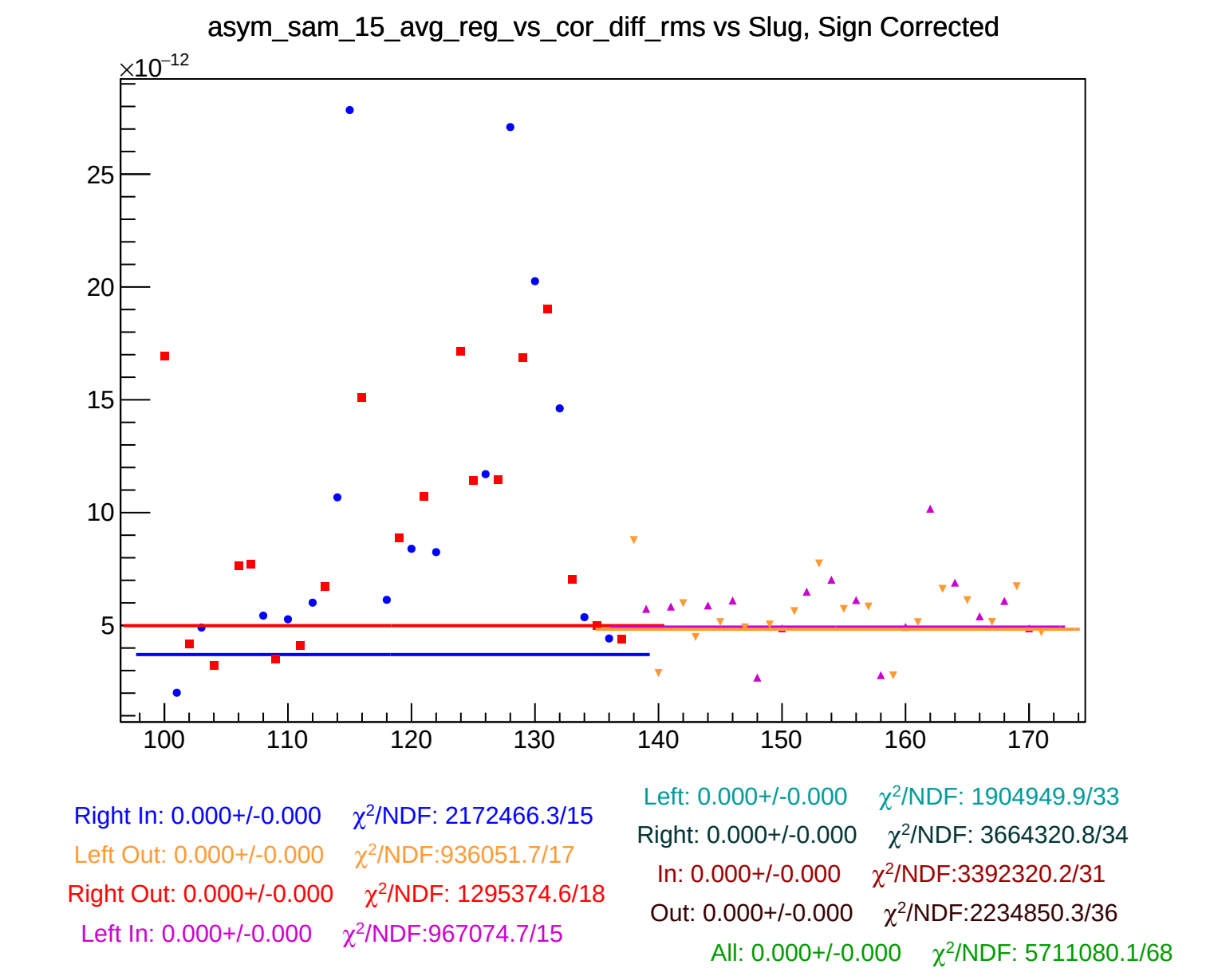
Left: 0.000+/-0.000 χ^2/NDF: 26.8/33

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:29.4/31

Out: 0.000+/-0.000 χ^2/NDF:26.4/36

All: 0.000+/-0.000 χ^2/NDF: 56.1/68


asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
25
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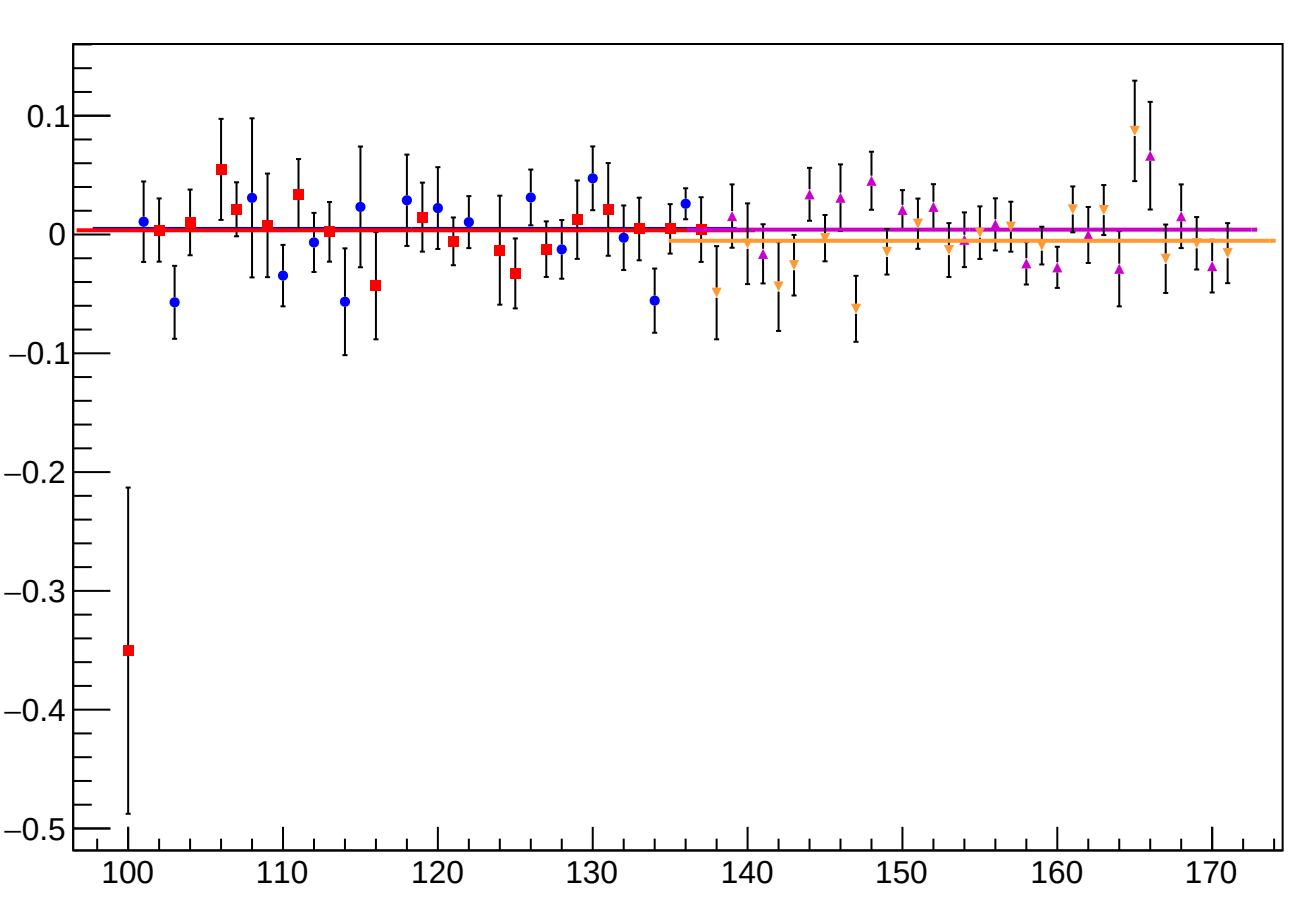
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2172466.3/15
Left Out: 0.000+/-0.000 χ²/NDF:936051.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 1295374.6/18
Left In: 0.000+/-0.000 χ²/NDF:967074.7/15
Left: 0.000+/-0.000 χ²/NDF: 1904949.9/33
Right: 0.000+/-0.000 χ²/NDF: 3664320.8/34
In: 0.000+/-0.000 χ²/NDF:3392320.2/31
Out: 0.000+/-0.000 χ²/NDF:2234850.3/36
All: 0.000+/-0.000 χ²/NDF: 5711080.1/68



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: 0.004+/-0.006 χ^2/NDF:19.5/15

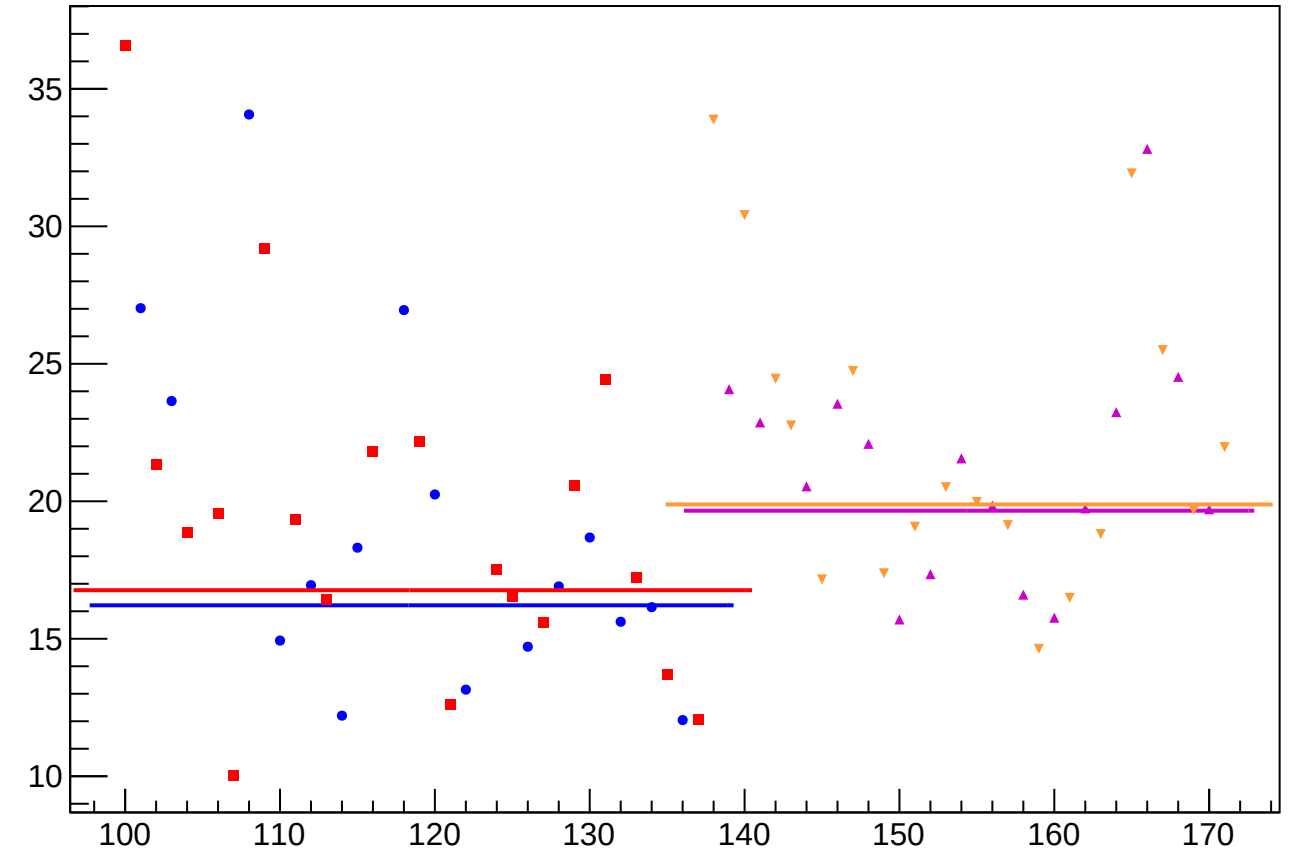
Left: -0.001+/-0.004 χ^2/NDF: 38.1/33

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.002+/-0.004 χ^2/NDF:31.8/36

All: 0.001+/-0.003 χ^2/NDF: 73.8/68



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: 19.658+/-0.004 χ^2/NDF:725479.6/15

Left: 19.774+/-0.003 χ^2/NDF: 1908273.4/33

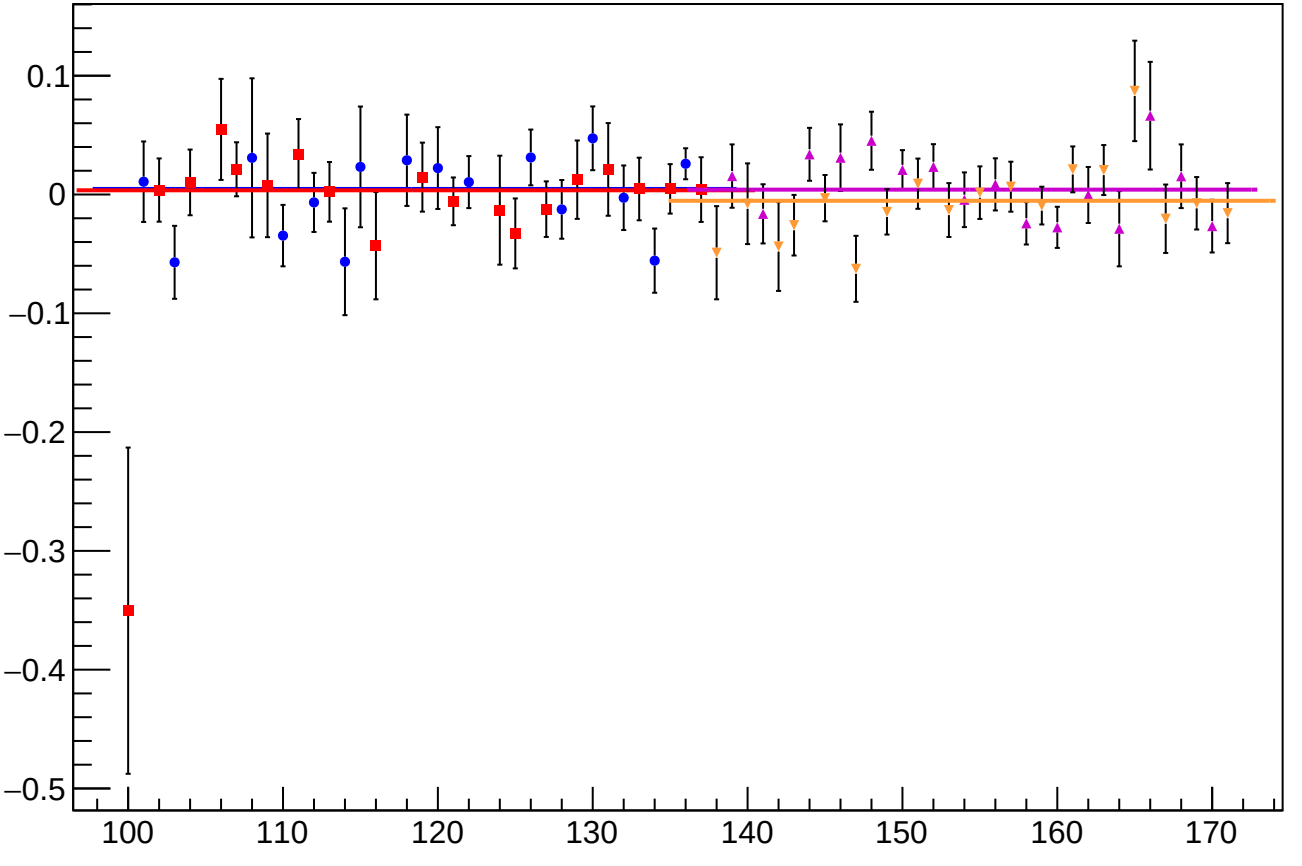
Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.198+/-0.003 χ^2/NDF:1985720.1/31

Out: 18.616+/-0.003 χ^2/NDF:2310550.8/36

All: 18.409+/-0.002 χ^2/NDF: 4305949.8/68

asym_sam_15_avg_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: 0.004+/-0.006 χ^2/NDF:19.5/15

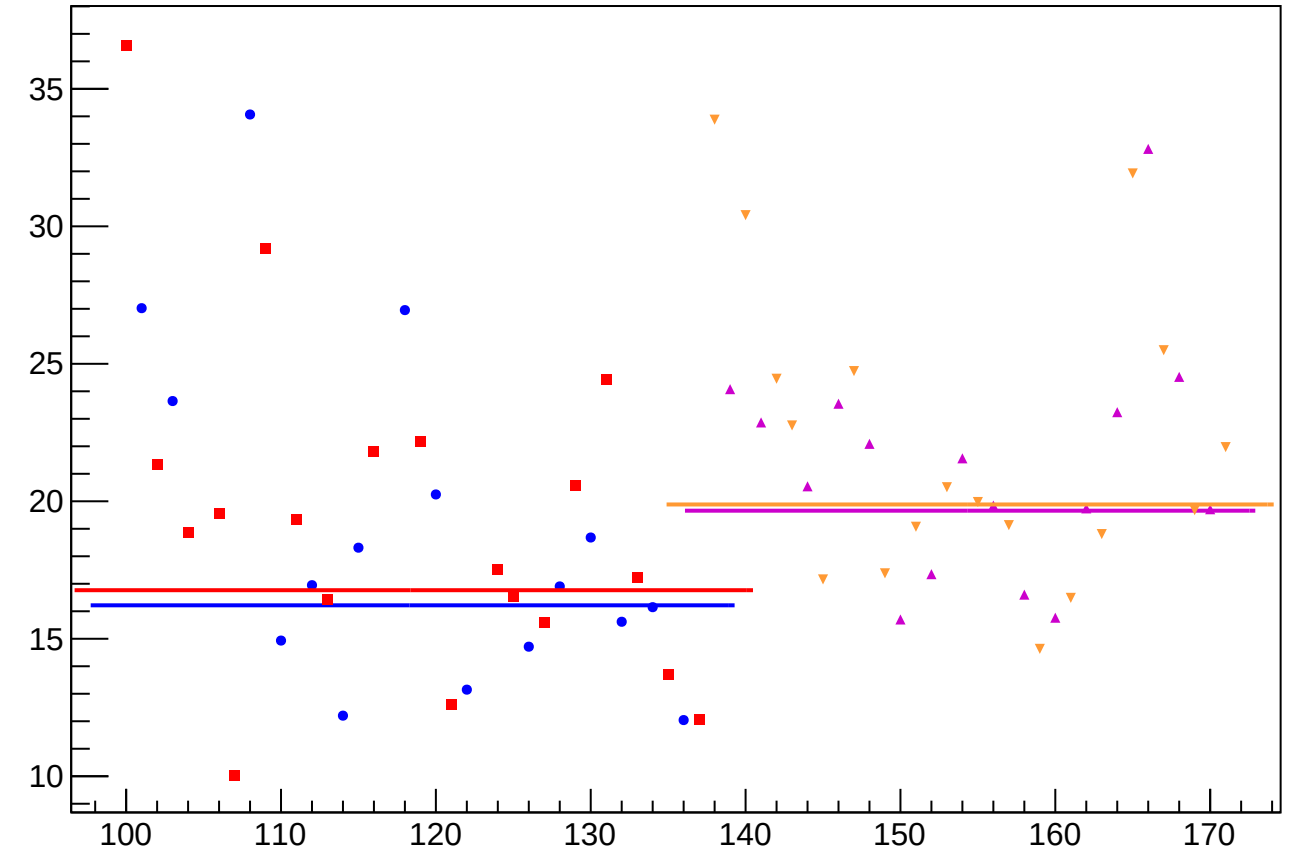
Left: -0.001+/-0.004 χ^2/NDF: 38.1/33

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.002+/-0.004 χ^2/NDF:31.8/36

All: 0.001+/-0.003 χ^2/NDF: 73.8/68



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: 19.658+/-0.004 χ^2/NDF:725479.6/15

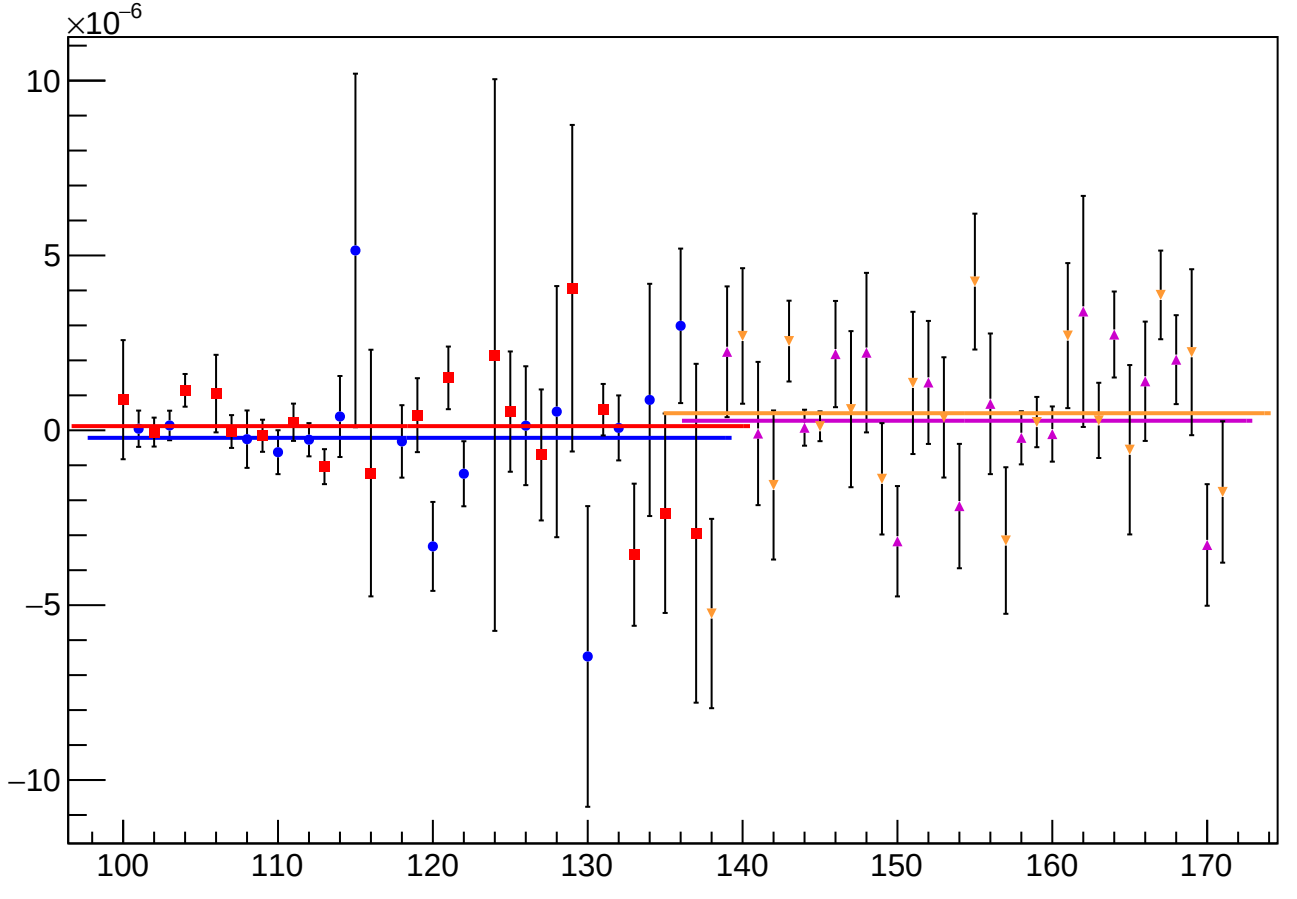
Left: 19.774+/-0.003 χ^2/NDF: 1908273.4/33

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.198+/-0.003 χ^2/NDF:1985720.1/31

Out: 18.616+/-0.003 χ^2/NDF:2310550.8/36

All: 18.409+/-0.002 χ^2/NDF: 4305949.8/68



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:22.8/15

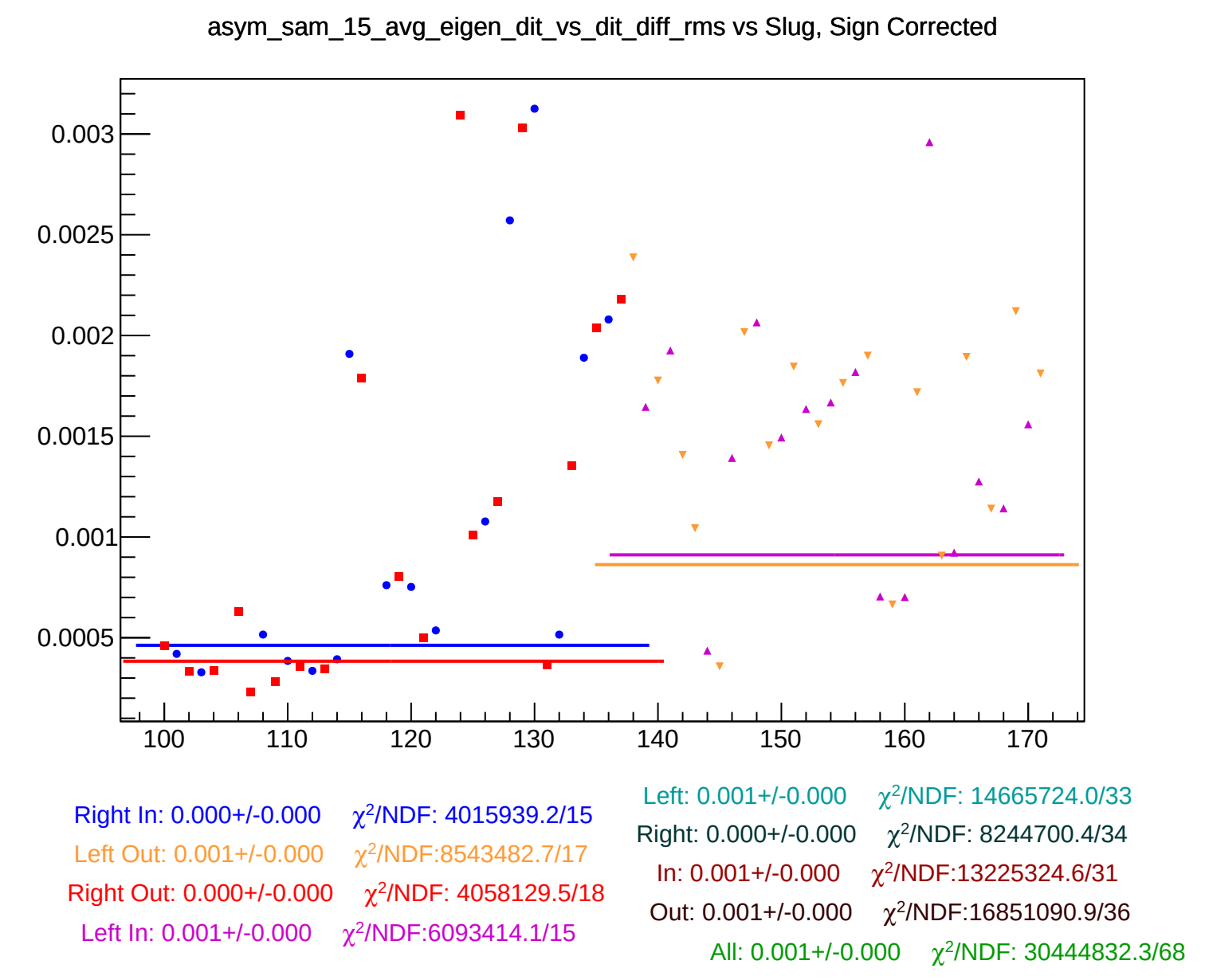
Left: 0.000+/-0.000 χ^2/NDF: 52.4/33

Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

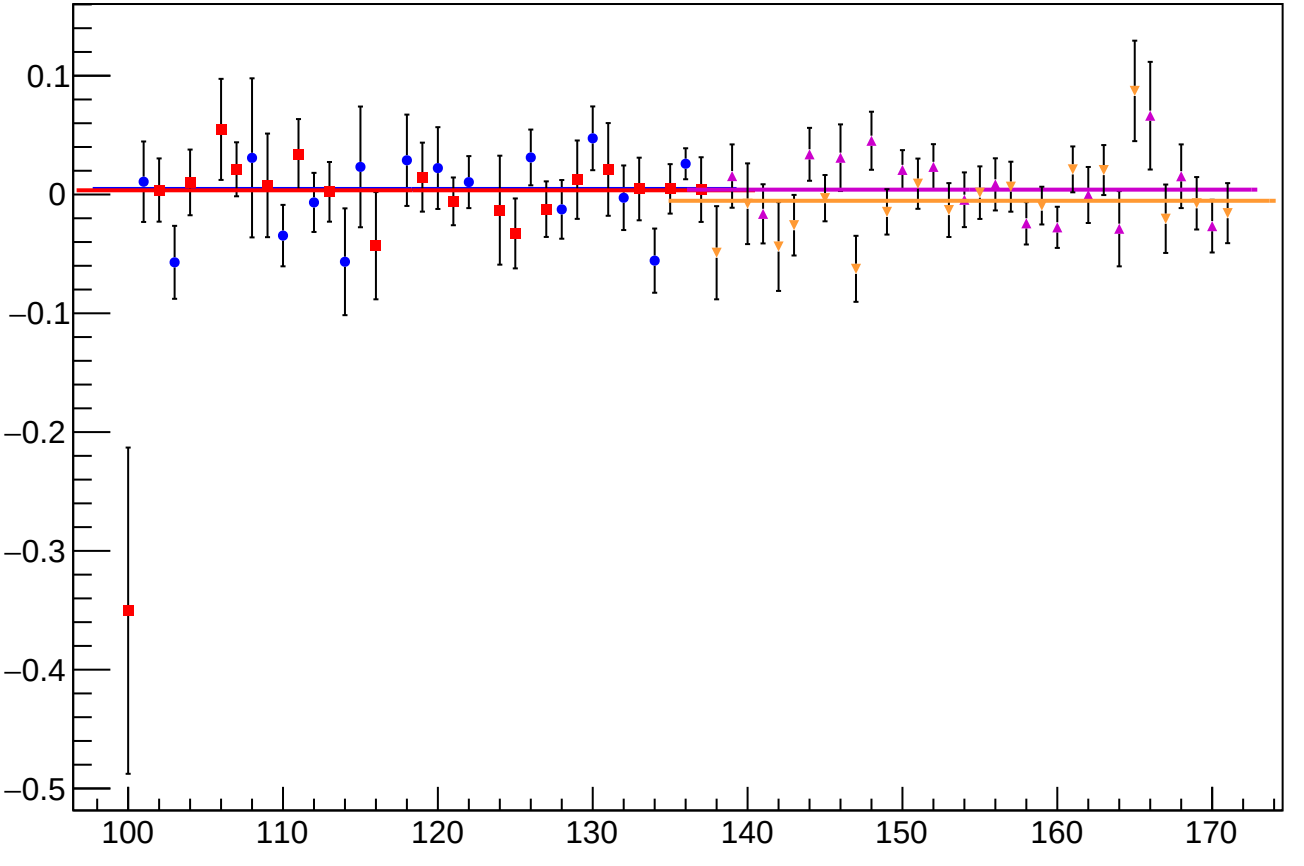
In: -0.000+/-0.000 χ^2/NDF:39.1/31

Out: 0.000+/-0.000 χ^2/NDF:50.9/36

All: 0.000+/-0.000 χ^2/NDF: 91.5/68


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:6093414.1/15
Left: 0.001+/-0.000 χ²/NDF: 14665724.0/33
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:13225324.6/31
Out: 0.001+/-0.000 χ²/NDF:16851090.9/36
All: 0.001+/-0.000 χ²/NDF: 30444832.3/68

asym_sam_15_avg_eigen_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: 0.004+/-0.006 χ^2/NDF:19.5/15

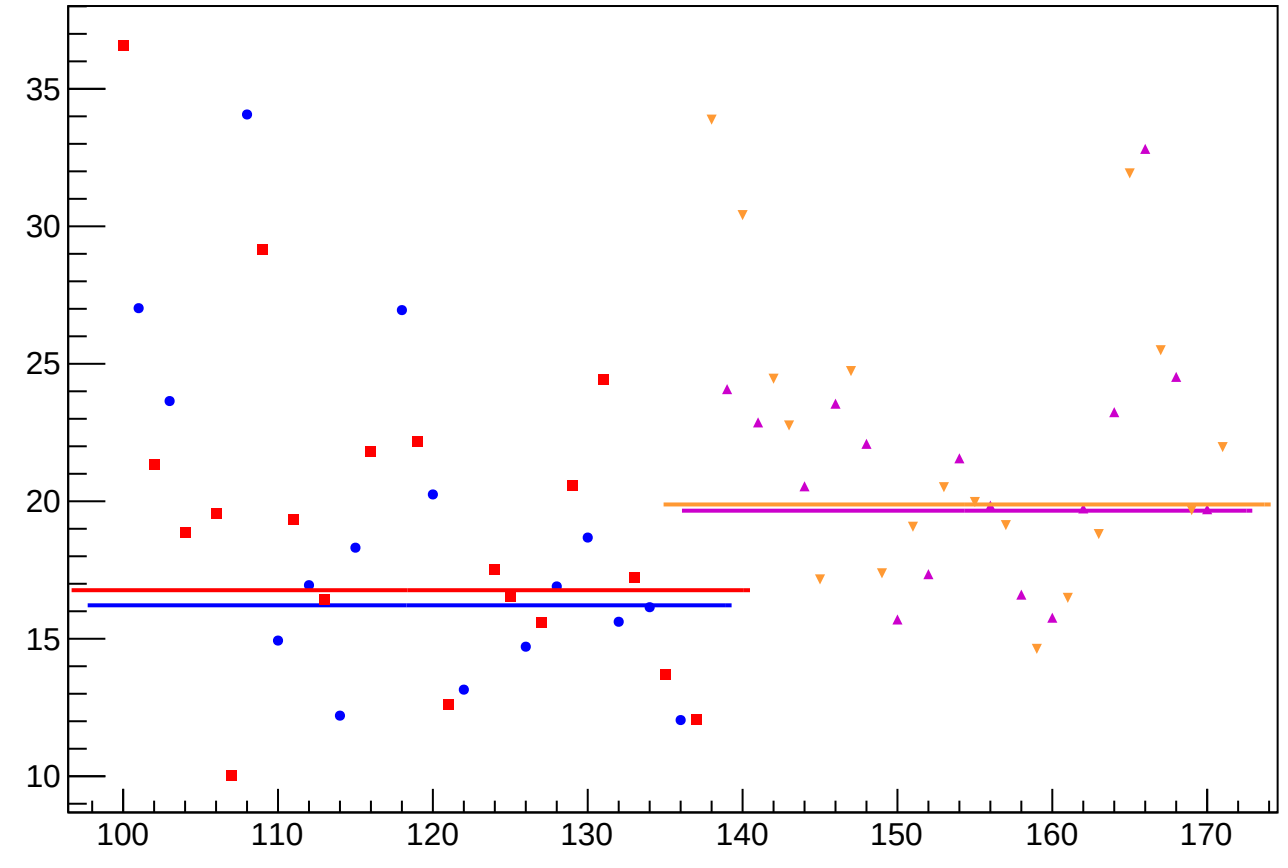
Left: -0.001+/-0.004 χ^2/NDF: 38.1/33

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.002+/-0.004 χ^2/NDF:31.8/36

All: 0.001+/-0.003 χ^2/NDF: 73.8/68



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: 19.658+/-0.004 χ^2/NDF:725578.1/15

Left: 19.774+/-0.003 χ^2/NDF: 1908478.7/33

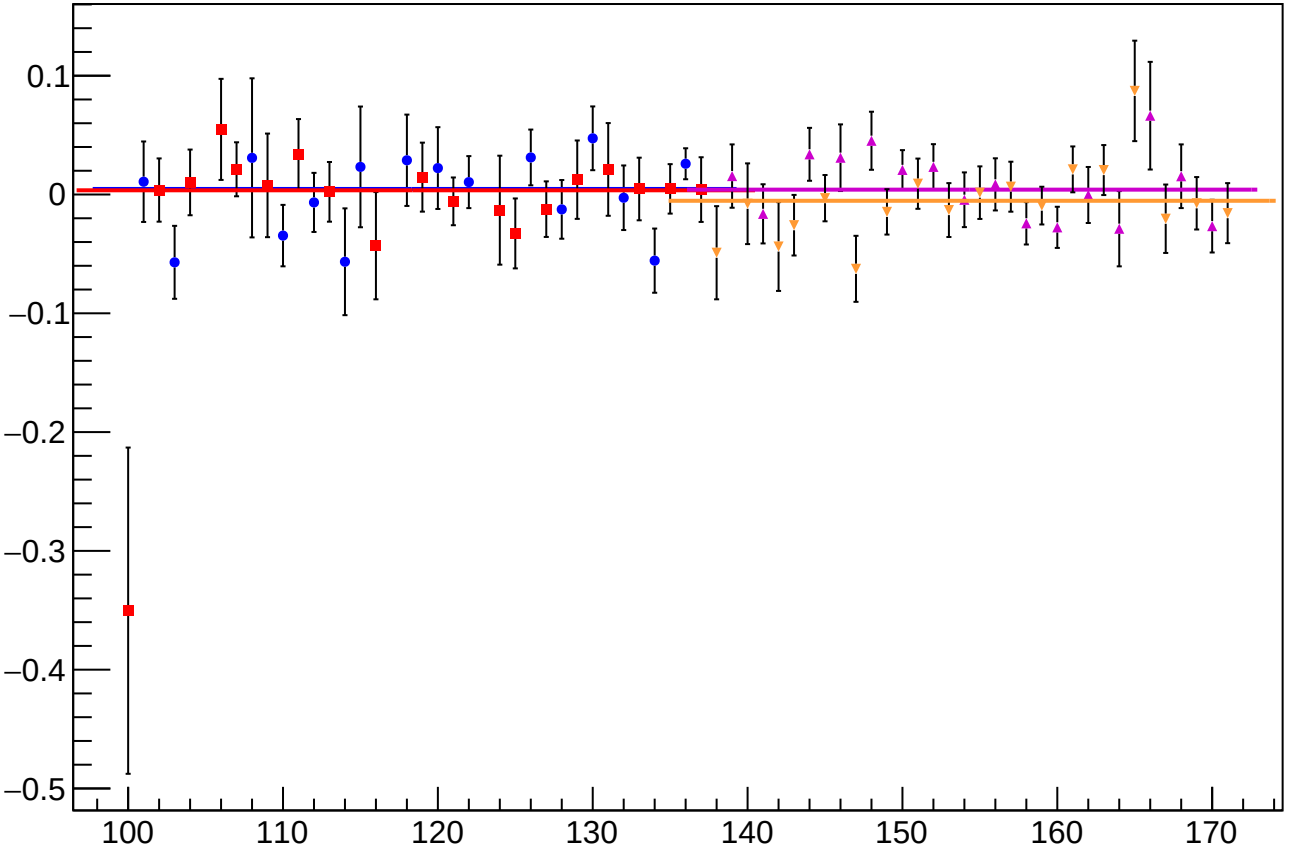
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.198+/-0.003 χ^2/NDF:1985814.4/31

Out: 18.616+/-0.003 χ^2/NDF:2310688.7/36

All: 18.409+/-0.002 χ^2/NDF: 4306183.0/68

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: 0.004+/-0.006 χ^2/NDF:19.5/15

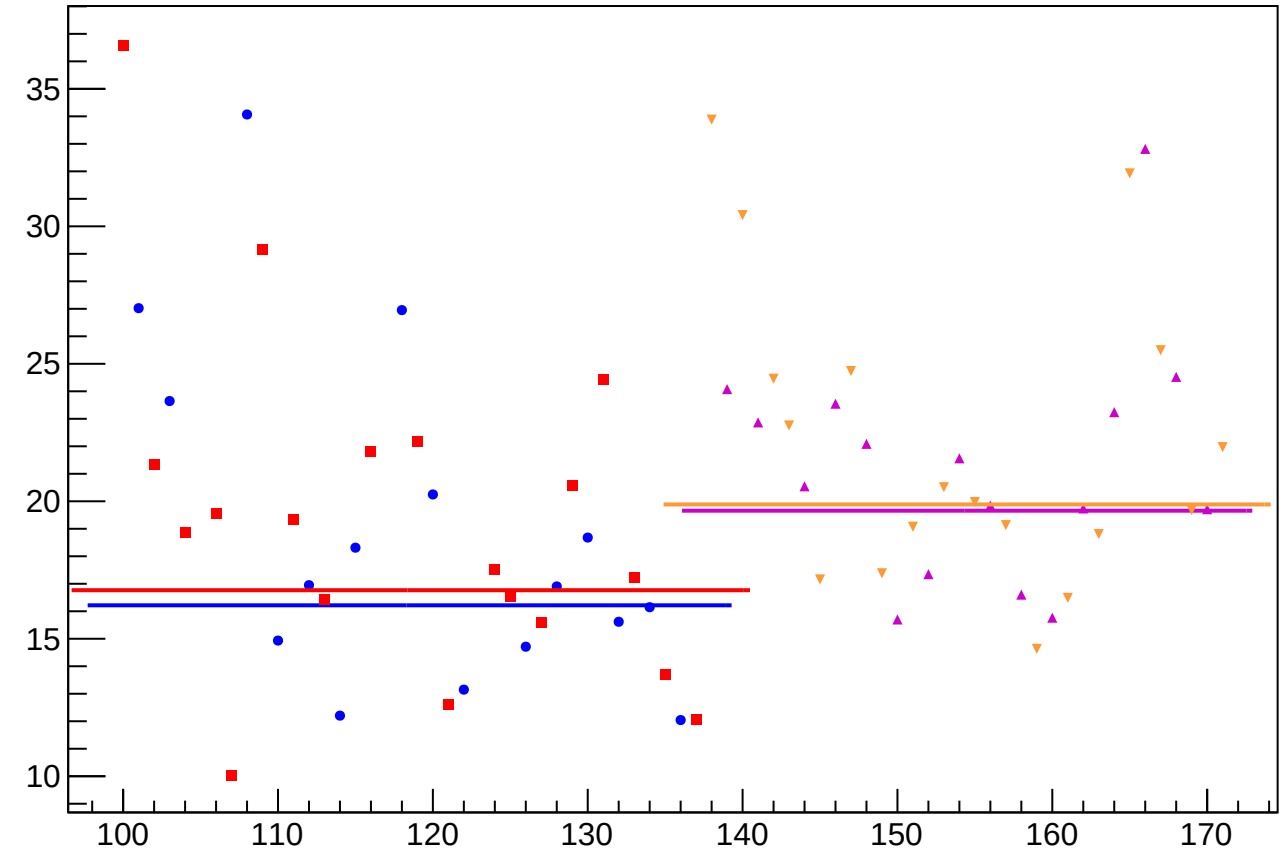
Left: -0.001+/-0.004 χ^2/NDF: 38.1/33

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.0/31

Out: -0.002+/-0.004 χ^2/NDF:31.8/36

All: 0.001+/-0.003 χ^2/NDF: 73.8/68



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: 19.658+/-0.004 χ^2/NDF:725578.1/15

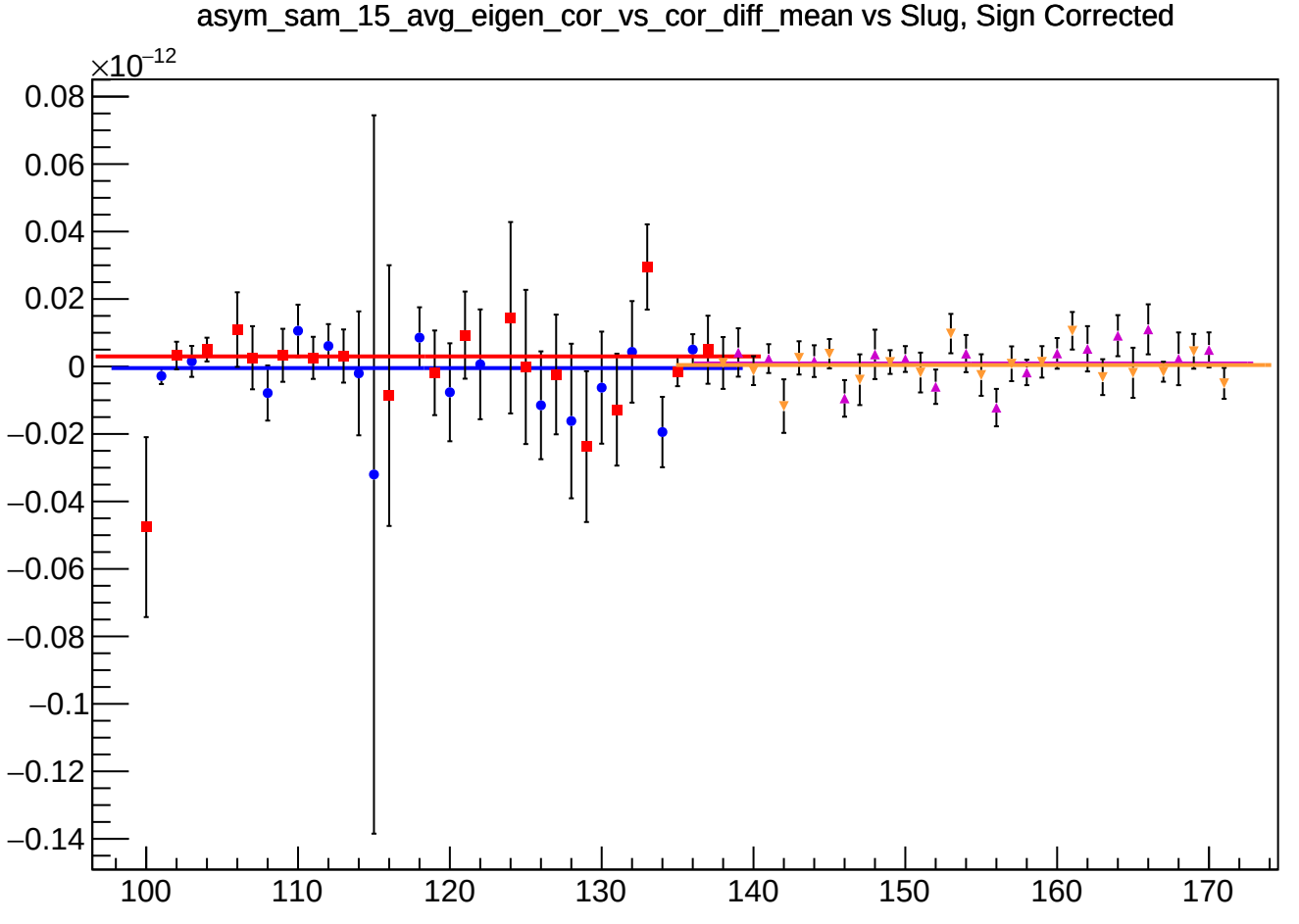
Left: 19.774+/-0.003 χ^2/NDF: 1908478.7/33

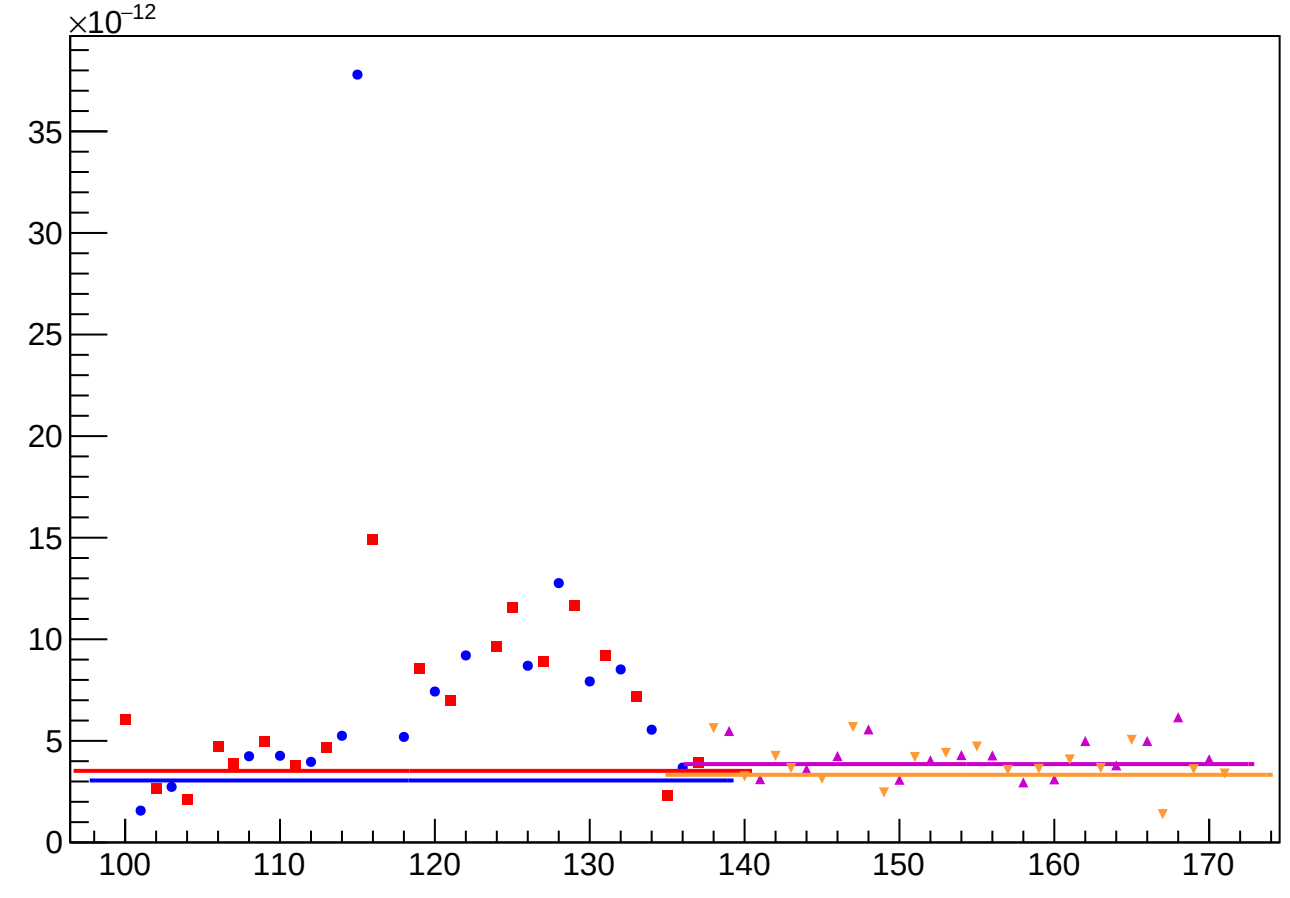
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.198+/-0.003 χ^2/NDF:1985814.4/31

Out: 18.616+/-0.003 χ^2/NDF:2310688.7/36

All: 18.409+/-0.002 χ^2/NDF: 4306183.0/68


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:17.6/15
Left: 0.000+/-0.000 χ²/NDF: 30.6/33
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: 0.000+/-0.000 χ²/NDF:30.3/31
Out: 0.000+/-0.000 χ²/NDF:27.4/36
All: 0.000+/-0.000 χ²/NDF: 58.1/68



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:847162.0/15

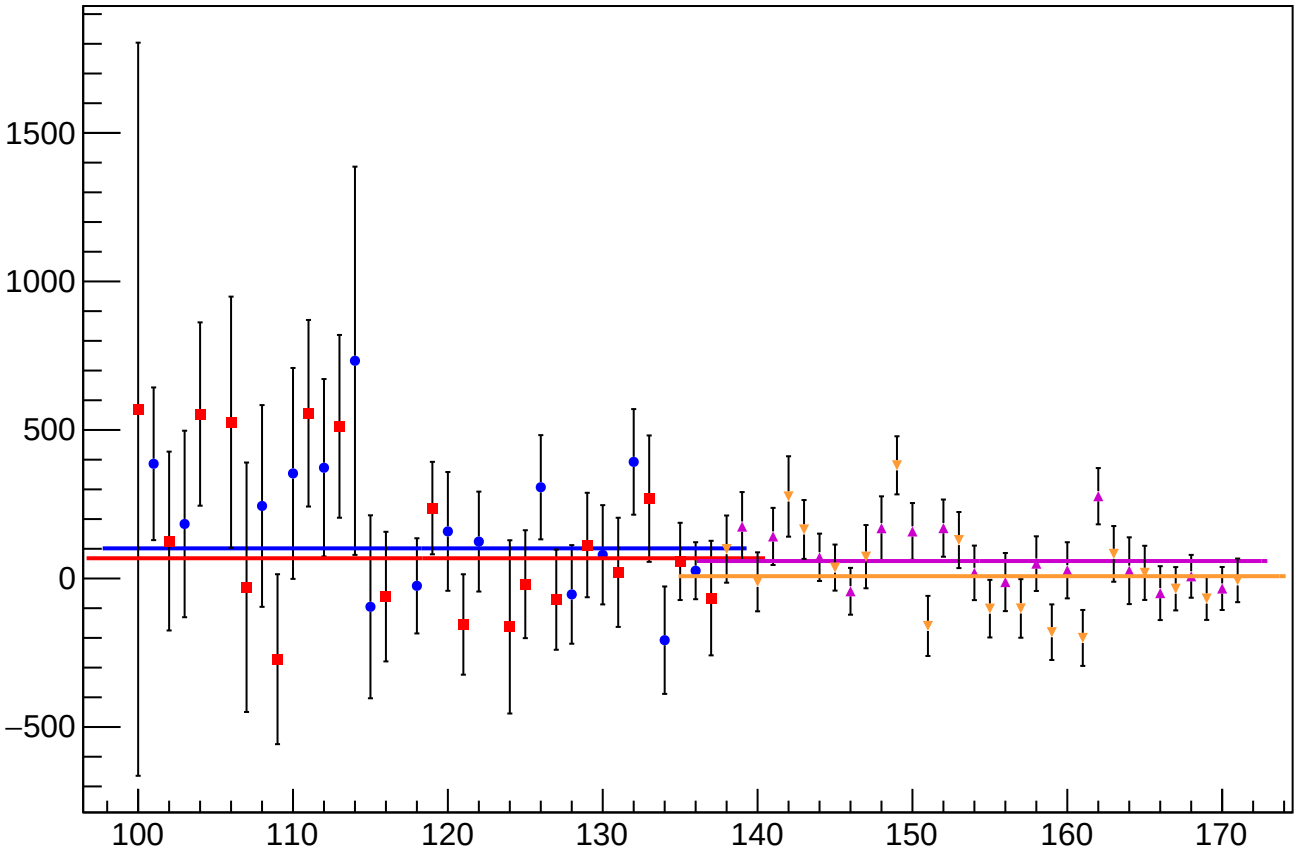
Left: 0.000+/-0.000 χ^2/NDF: 2808473.5/33

Right: 0.000+/-0.000 χ^2/NDF: 5572682.8/34

In: 0.000+/-0.000 χ^2/NDF:4080920.5/31

Out: 0.000+/-0.000 χ^2/NDF:4356018.7/36

All: 0.000+/-0.000 χ^2/NDF: 8460821.7/68



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: 58.771+/-22.627 χ^2/NDF:16.7/15

Left: 32.085+/-15.628 χ^2/NDF: 59.5/33

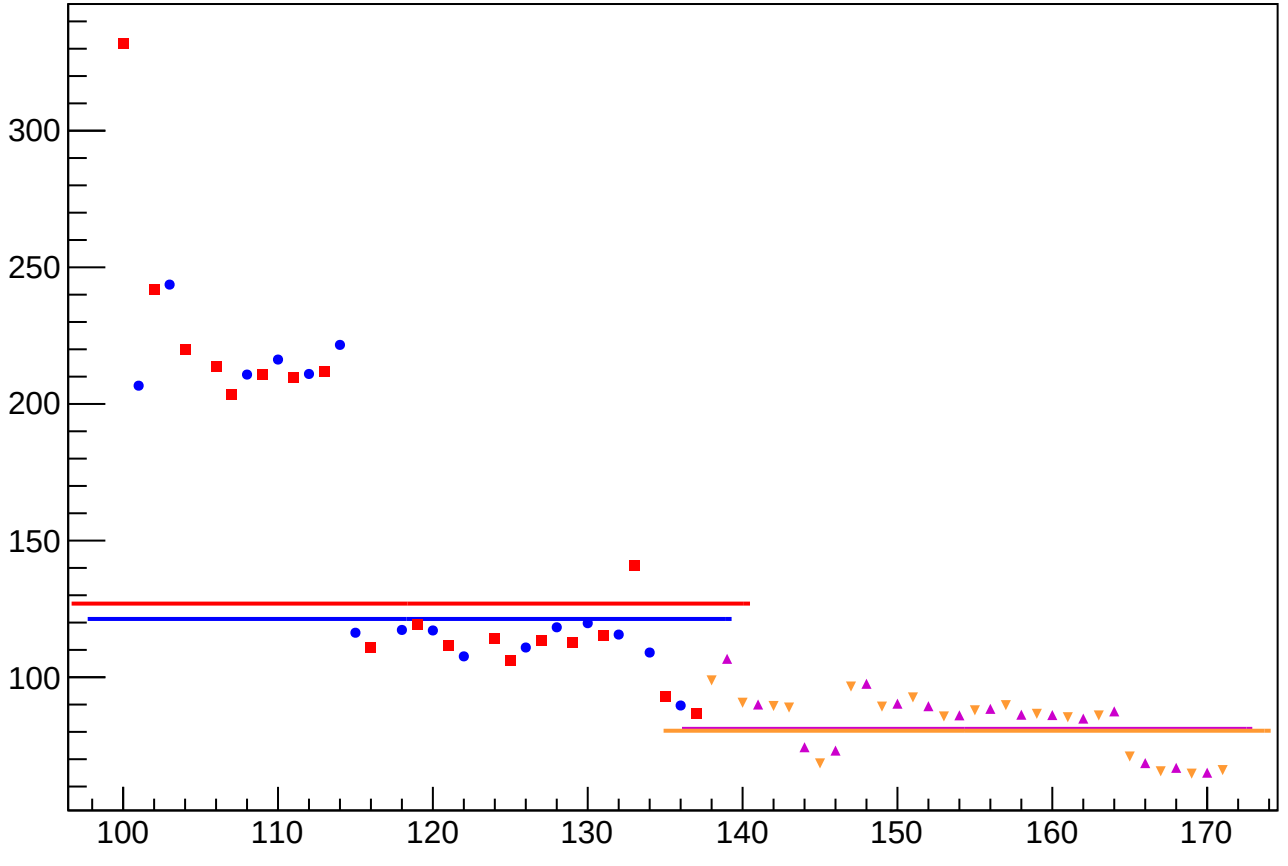
Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 66.631+/-20.438 χ^2/NDF:30.7/31

Out: 17.463+/-19.794 χ^2/NDF:57.5/36

All: 41.260+/-14.219 χ^2/NDF: 91.2/68

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: 81.107+/-0.016 χ^2/NDF:483087.4/15

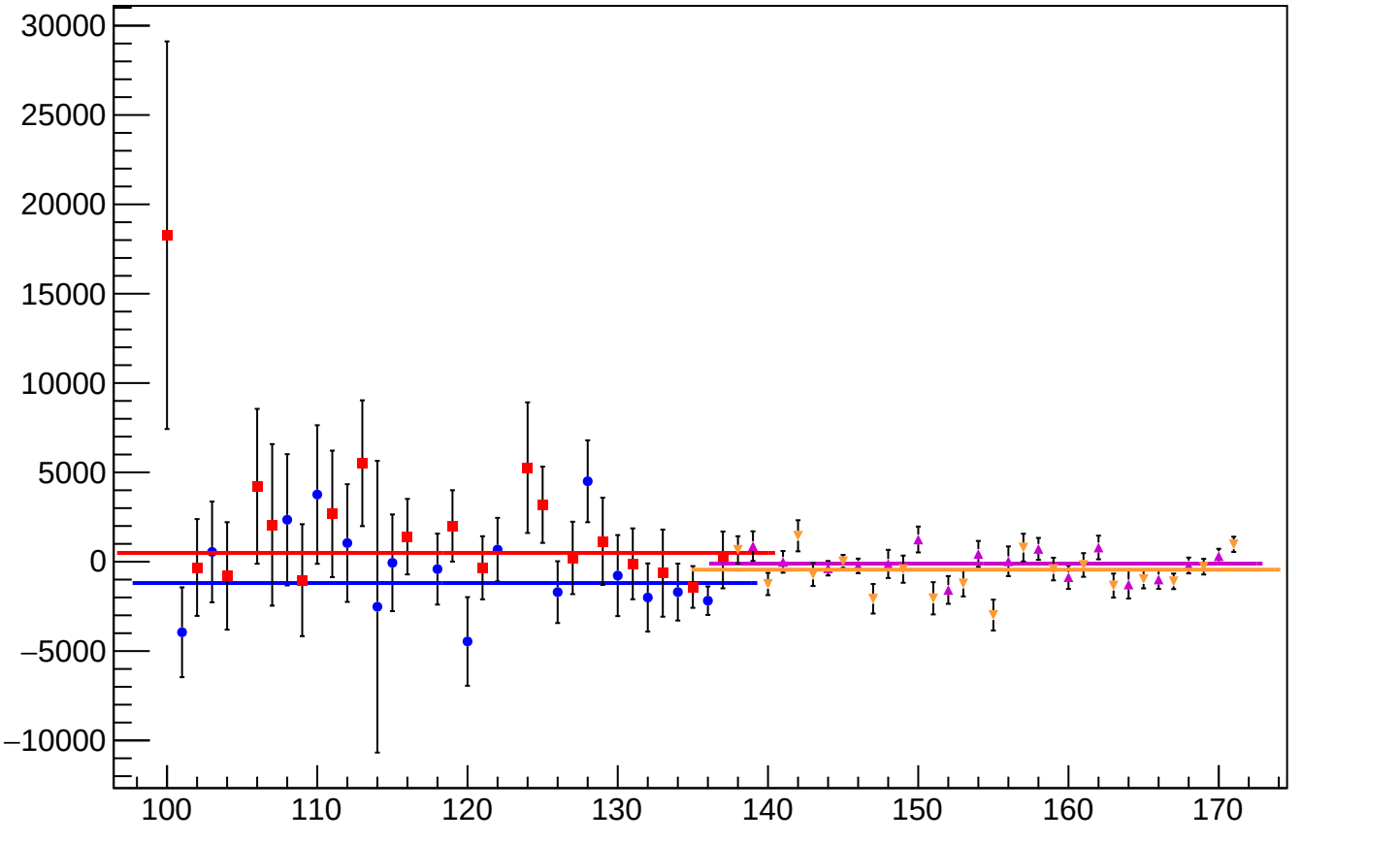
Left: 80.748+/-0.011 χ^2/NDF: 1054692.1/33

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 88.511+/-0.014 χ^2/NDF:2933180.3/31

Out: 87.913+/-0.014 χ^2/NDF:3534813.1/36

All: 88.203+/-0.010 χ^2/NDF: 6468877.7/68



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: -105.359+/-143.950 χ^2/NDF:20.7/15

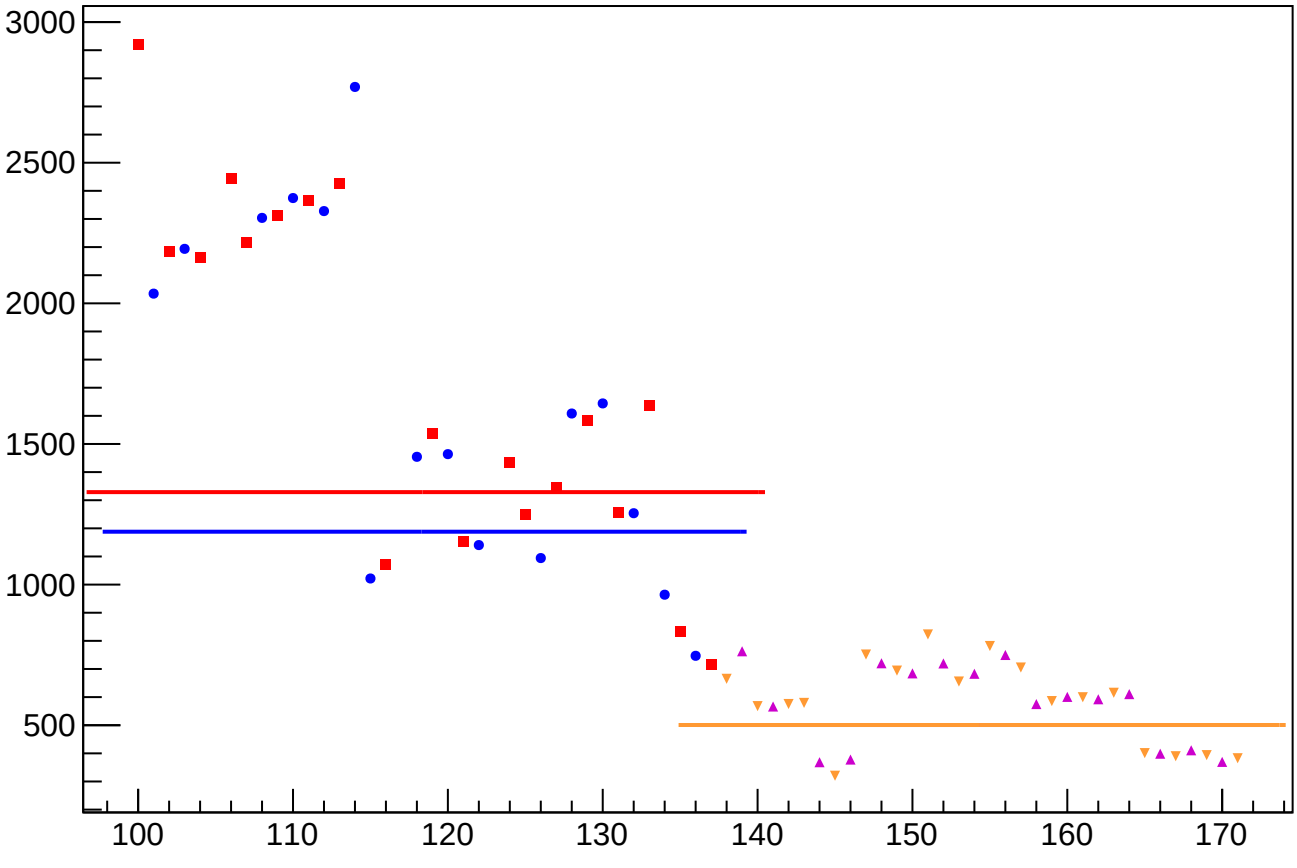
Left: -280.005+/-100.034 χ^2/NDF: 69.6/33

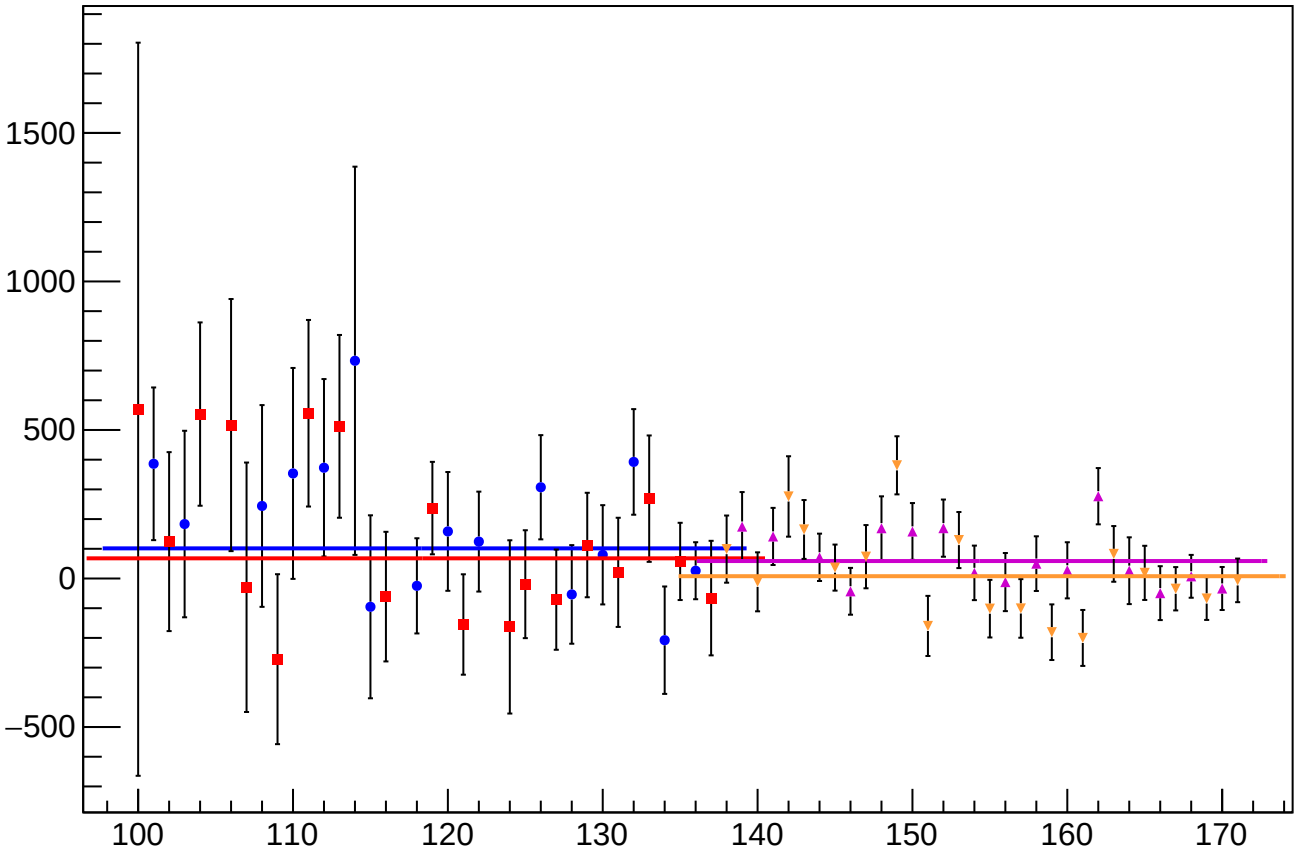
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -195.413+/-137.857 χ^2/NDF:41.3/31

Out: -380.874+/-134.417 χ^2/NDF:63.0/36

All: -290.486+/-96.240 χ^2/NDF: 105.3/68


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: 500.802+/-0.102 χ²/NDF:1878487.8/15
Left: 500.825+/-0.071 χ²/NDF: 4161075.5/33
Right: 1252.427+/-0.249 χ²/NDF: 4081382.8/34
In: 557.750+/-0.097 χ²/NDF:7700686.6/31
Out: 555.799+/-0.095 χ²/NDF:8942524.2/36
All: 556.750+/-0.068 χ²/NDF: 16643416.1/68



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: 58.771+/-22.627 χ^2/NDF:16.7/15

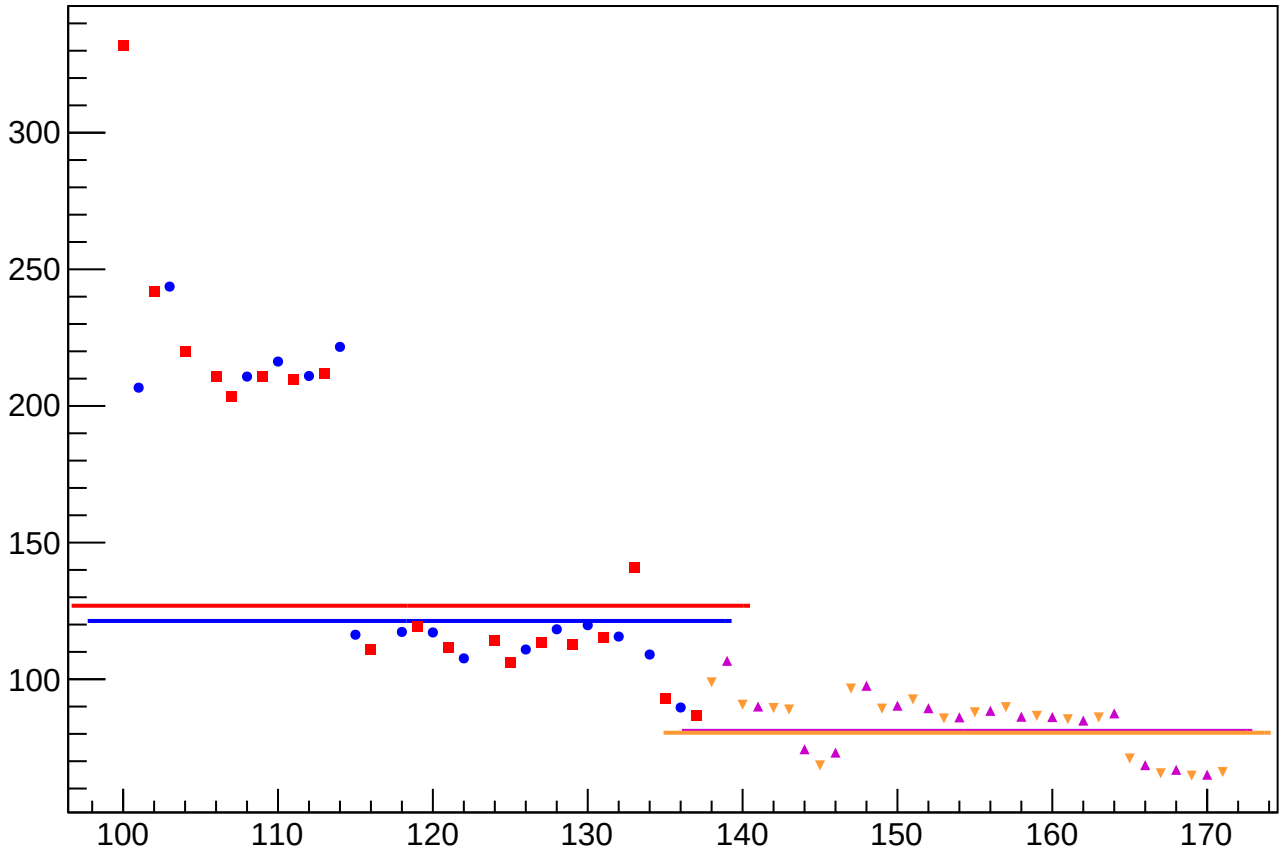
Left: 32.086+/-15.628 χ^2/NDF: 59.5/33

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 66.628+/-20.438 χ^2/NDF:30.7/31

Out: 17.427+/-19.794 χ^2/NDF:57.5/36

All: 41.241+/-14.219 χ^2/NDF: 91.1/68



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: 81.107+/-0.016 χ^2/NDF:483087.4/15

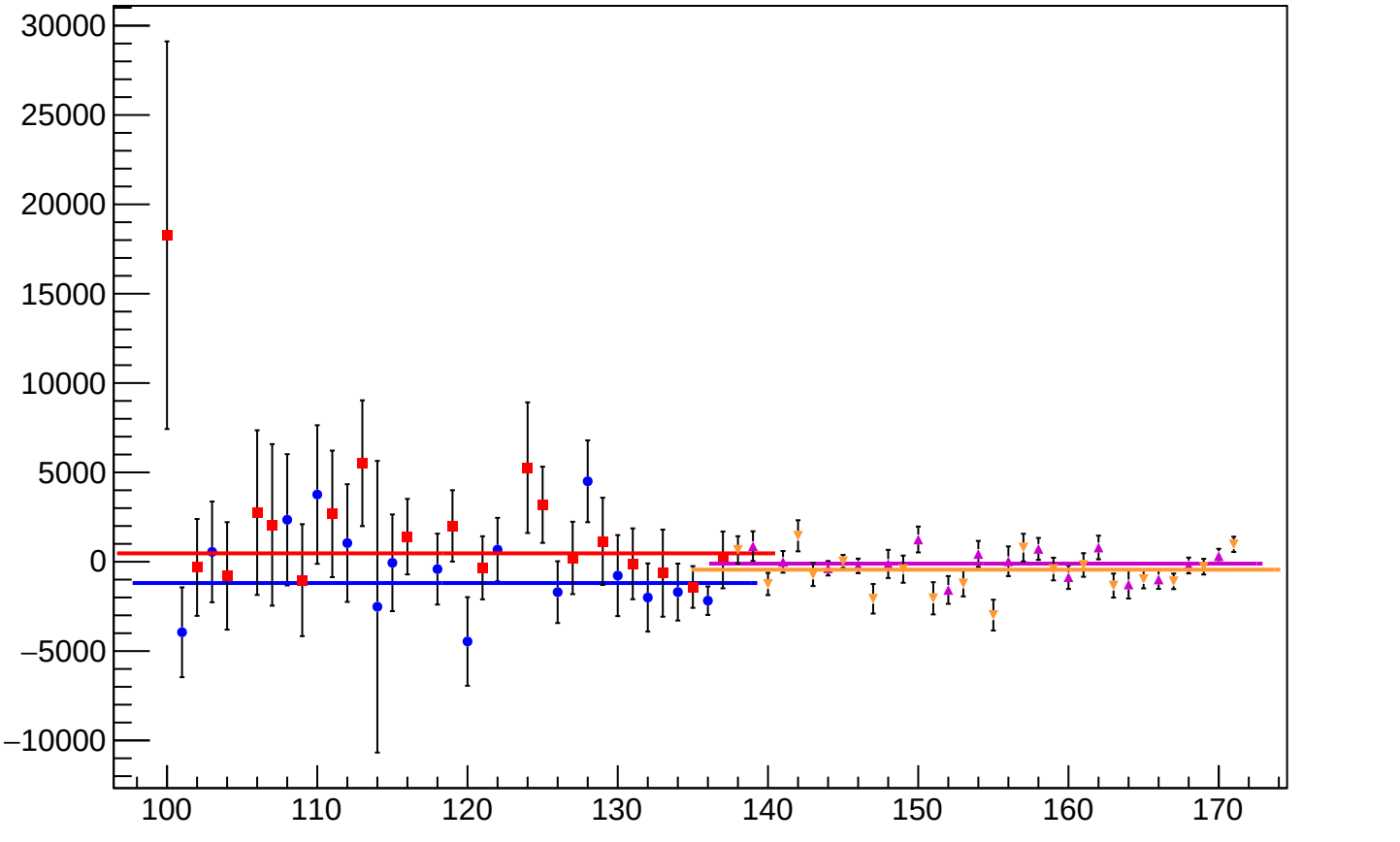
Left: 80.748+/-0.011 χ^2/NDF: 1054692.0/33

Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 88.511+/-0.014 χ^2/NDF:2933182.4/31

Out: 87.904+/-0.014 χ^2/NDF:3525336.0/36

All: 88.198+/-0.010 χ^2/NDF: 6459429.1/68



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: -105.355+/-143.950 χ^2/NDF:20.7/15

Left: -280.001+/-100.034 χ^2/NDF: 69.6/33

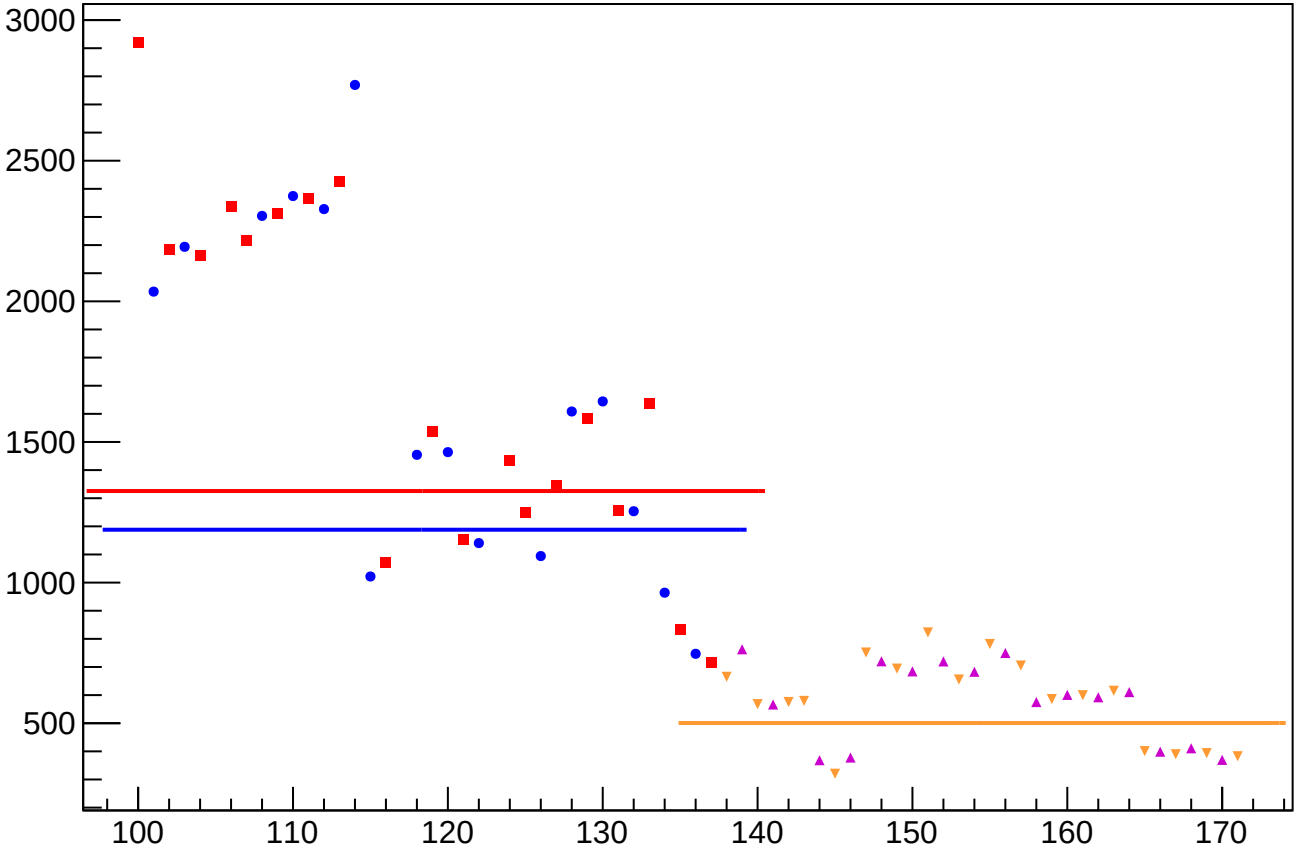
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -195.408+/-137.857 χ^2/NDF:41.3/31

Out: -382.618+/-134.425 χ^2/NDF:62.4/36

All: -291.373+/-96.243 χ^2/NDF: 104.6/68

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 500.846+/-0.098 χ^2/NDF:2282594.9/17

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 500.803+/-0.102 χ^2/NDF:1878489.9/15

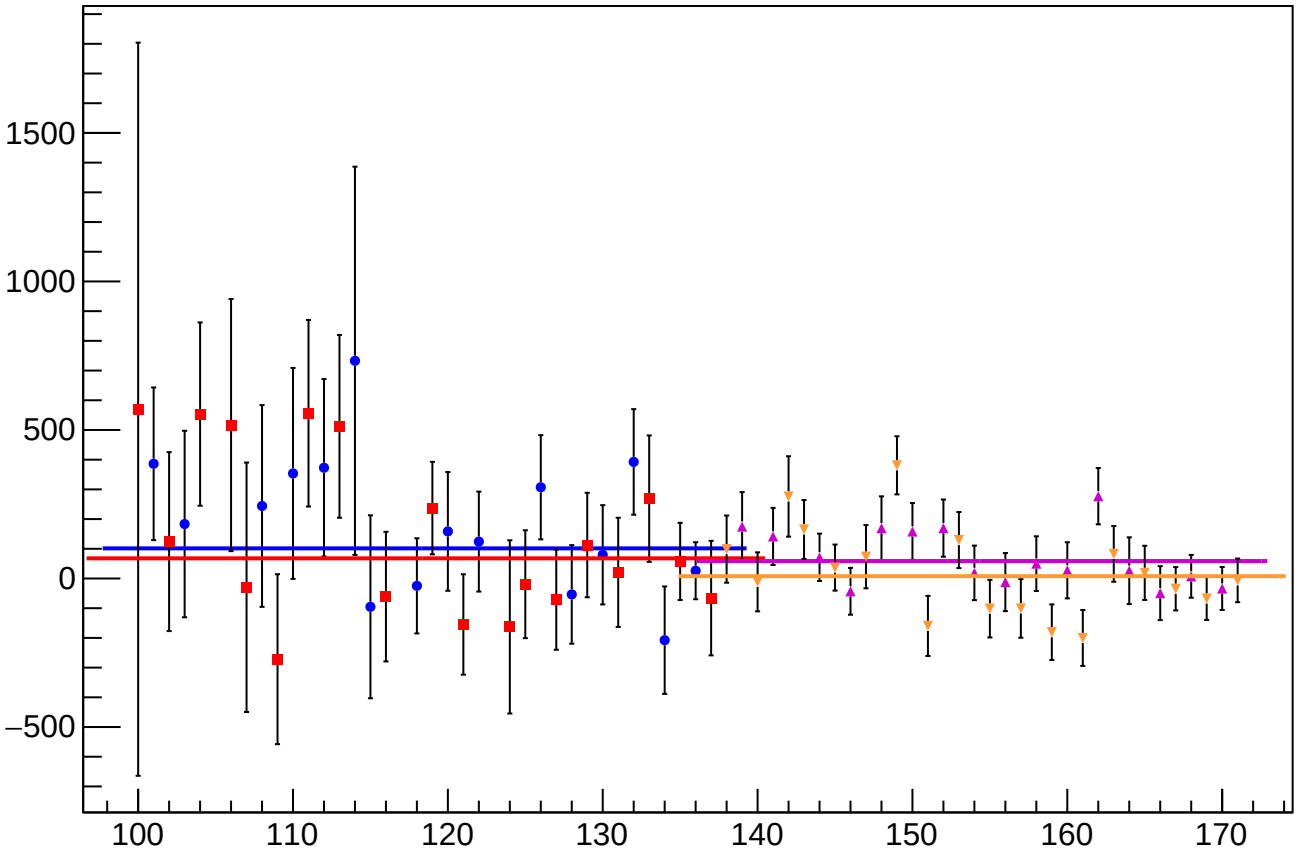
Left: 500.825+/-0.071 χ^2/NDF: 4161085.0/33

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 557.750+/-0.097 χ^2/NDF:7700706.2/31

Out: 555.496+/-0.095 χ^2/NDF:8861432.7/36

All: 556.595+/-0.068 χ^2/NDF: 16562413.1/68



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: 58.771+/-22.627 χ^2/NDF:16.7/15

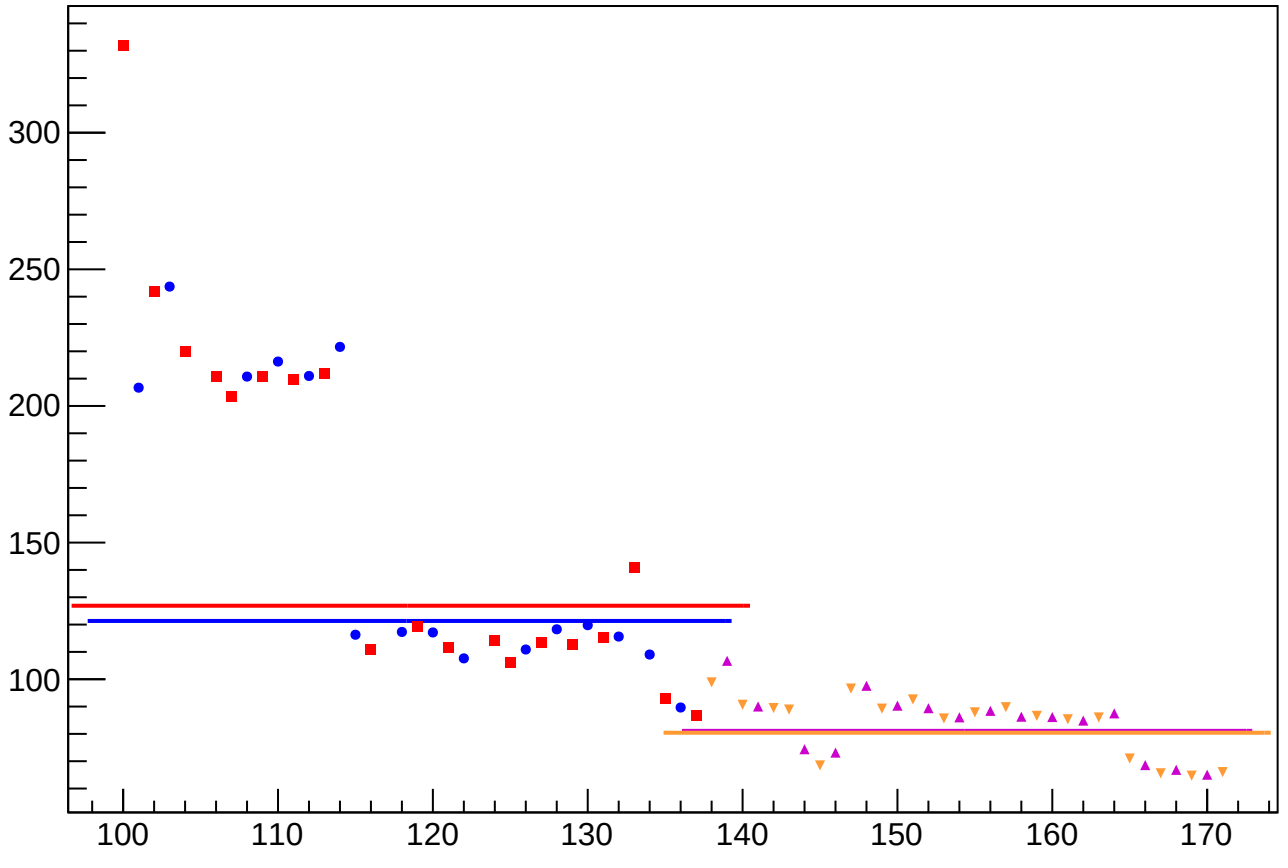
Left: 32.086+/-15.628 χ^2/NDF: 59.5/33

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 66.628+/-20.438 χ^2/NDF:30.7/31

Out: 17.427+/-19.794 χ^2/NDF:57.5/36

All: 41.241+/-14.219 χ^2/NDF: 91.1/68



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: 81.107+/-0.016 χ^2/NDF:483087.4/15

Left: 80.748+/-0.011 χ^2/NDF: 1054692.0/33

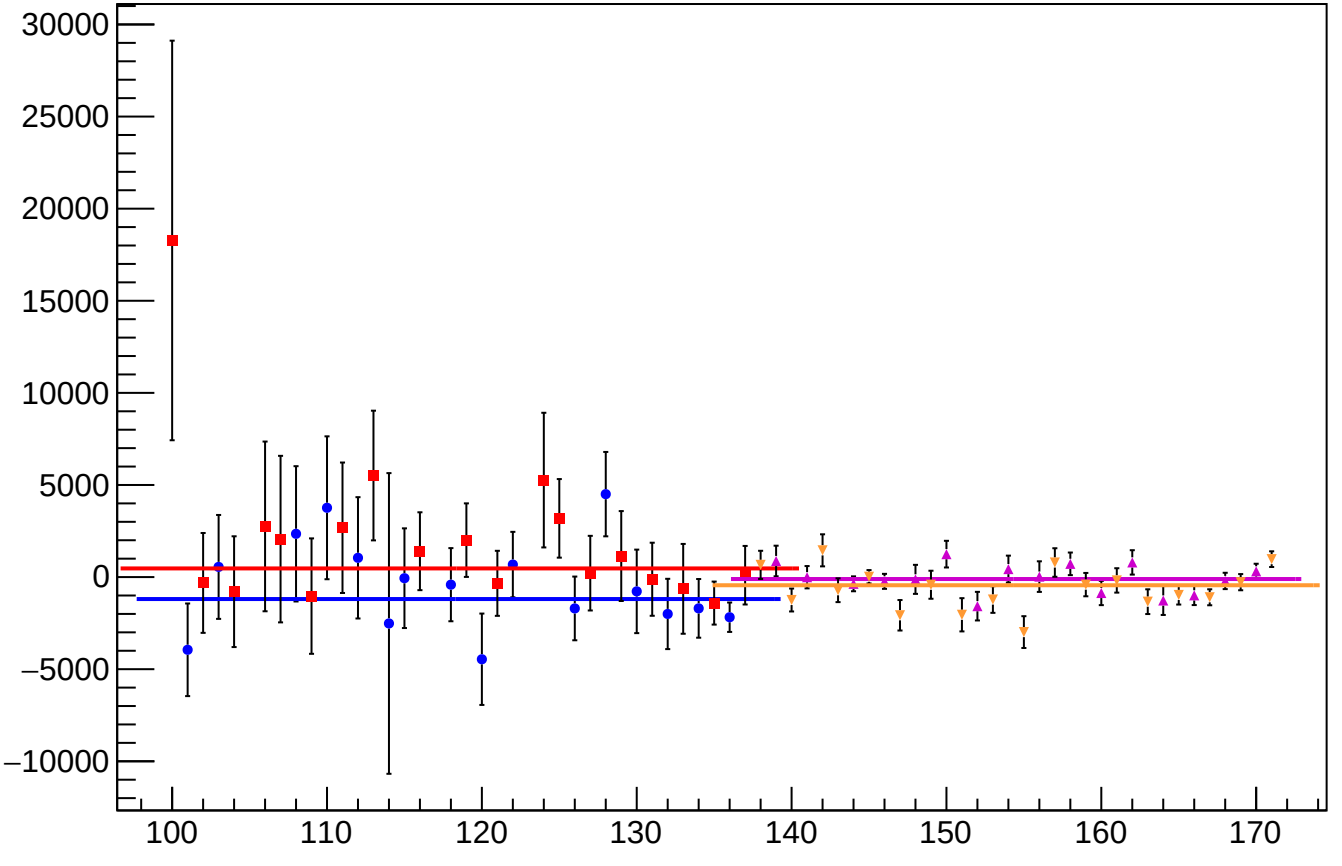
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 88.511+/-0.014 χ^2/NDF:2933182.4/31

Out: 87.904+/-0.014 χ^2/NDF:3525336.0/36

All: 88.198+/-0.010 χ^2/NDF: 6459429.1/68

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: -105.355+/-143.950 χ^2/NDF:20.7/15

Left: -280.001+/-100.034 χ^2/NDF: 69.6/33

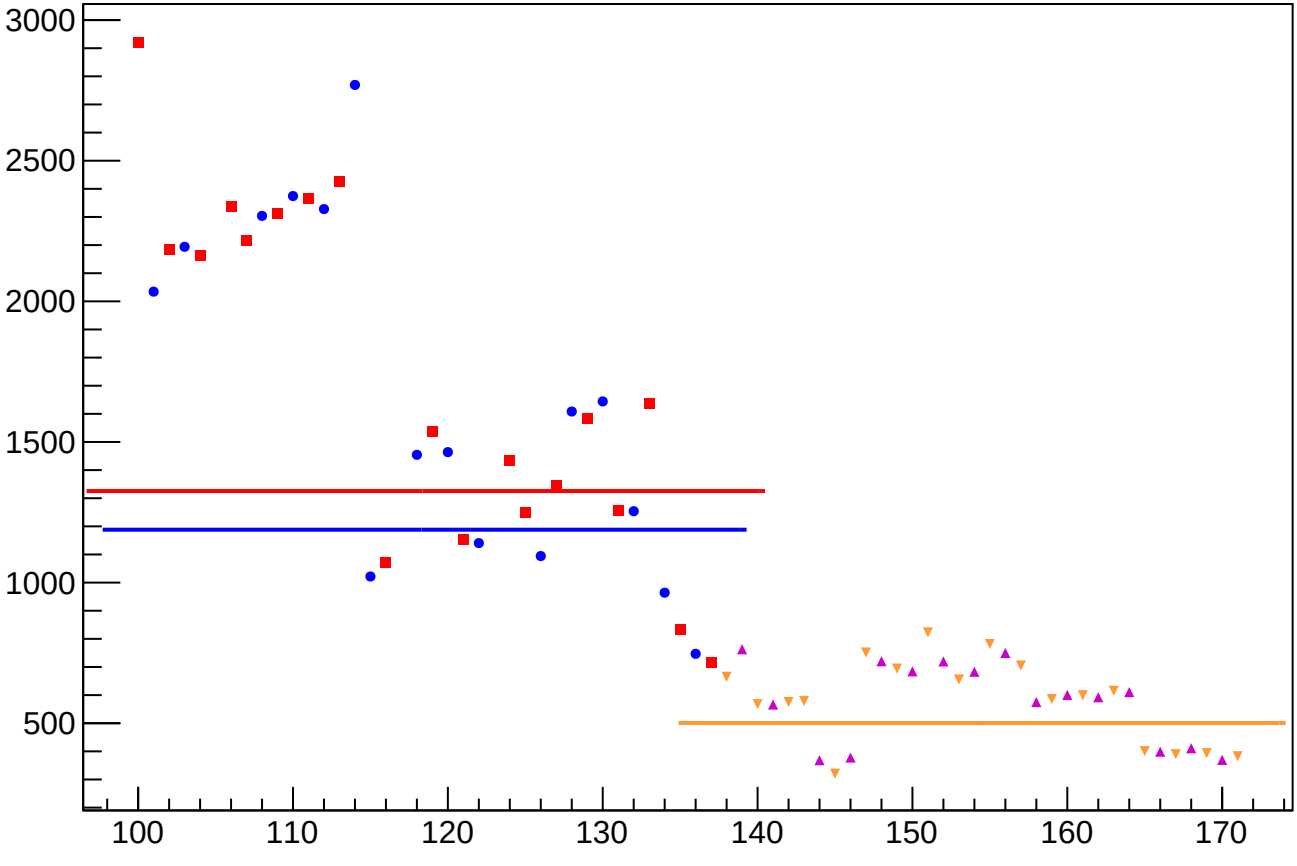
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -195.408+/-137.857 χ^2/NDF:41.3/31

Out: -382.618+/-134.425 χ^2/NDF:62.4/36

All: -291.373+/-96.243 χ^2/NDF: 104.6/68

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044666.3/15

Left Out: 500.846+/-0.098 χ^2/NDF:2282594.9/17

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 500.803+/-0.102 χ^2/NDF:1878489.9/15

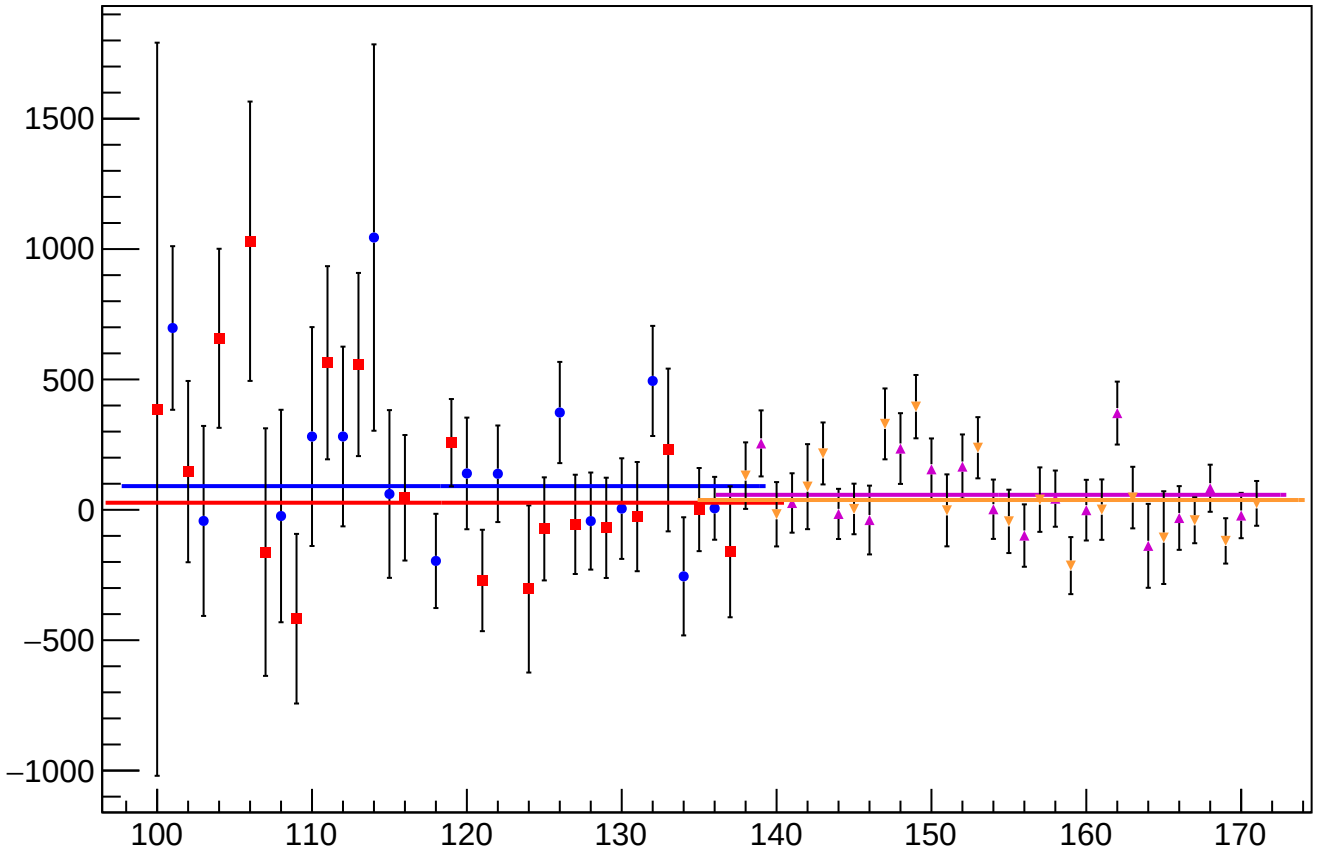
Left: 500.825+/-0.071 χ^2/NDF: 4161085.0/33

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 557.750+/-0.097 χ^2/NDF:7700706.2/31

Out: 555.496+/-0.095 χ^2/NDF:8861432.7/36

All: 556.595+/-0.068 χ^2/NDF: 16562413.1/68



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: 57.525+/-28.483 χ^2/NDF:18.7/15

Left: 46.994+/-19.561 χ^2/NDF: 49.0/33

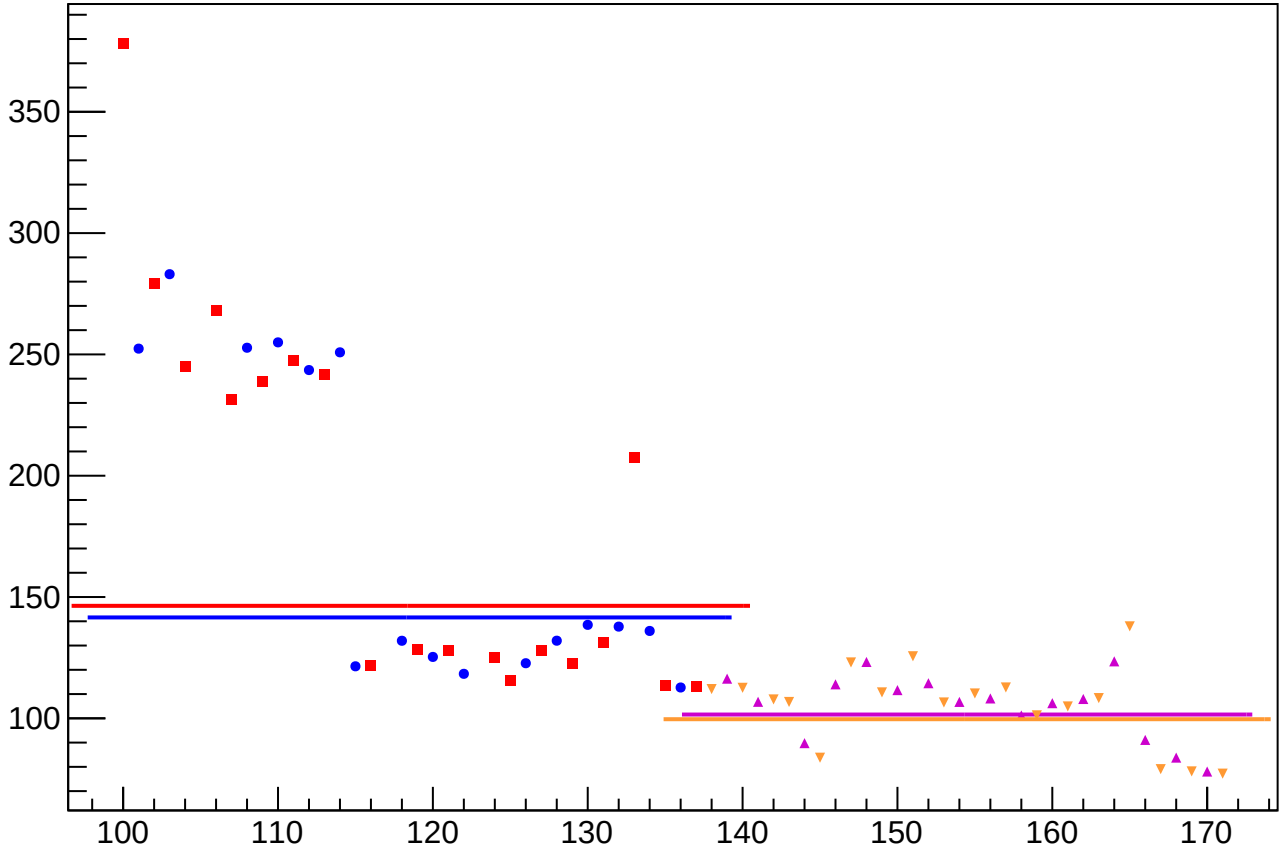
Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 64.472+/-25.347 χ^2/NDF:37.0/31

Out: 35.693+/-24.337 χ^2/NDF:50.7/36

All: 49.498+/-17.555 χ^2/NDF: 88.4/68

dit_asym_sam_26_avg_rms vs Slug, Sign Corrected



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: 101.563+/-0.020 χ^2/NDF:461117.3/15

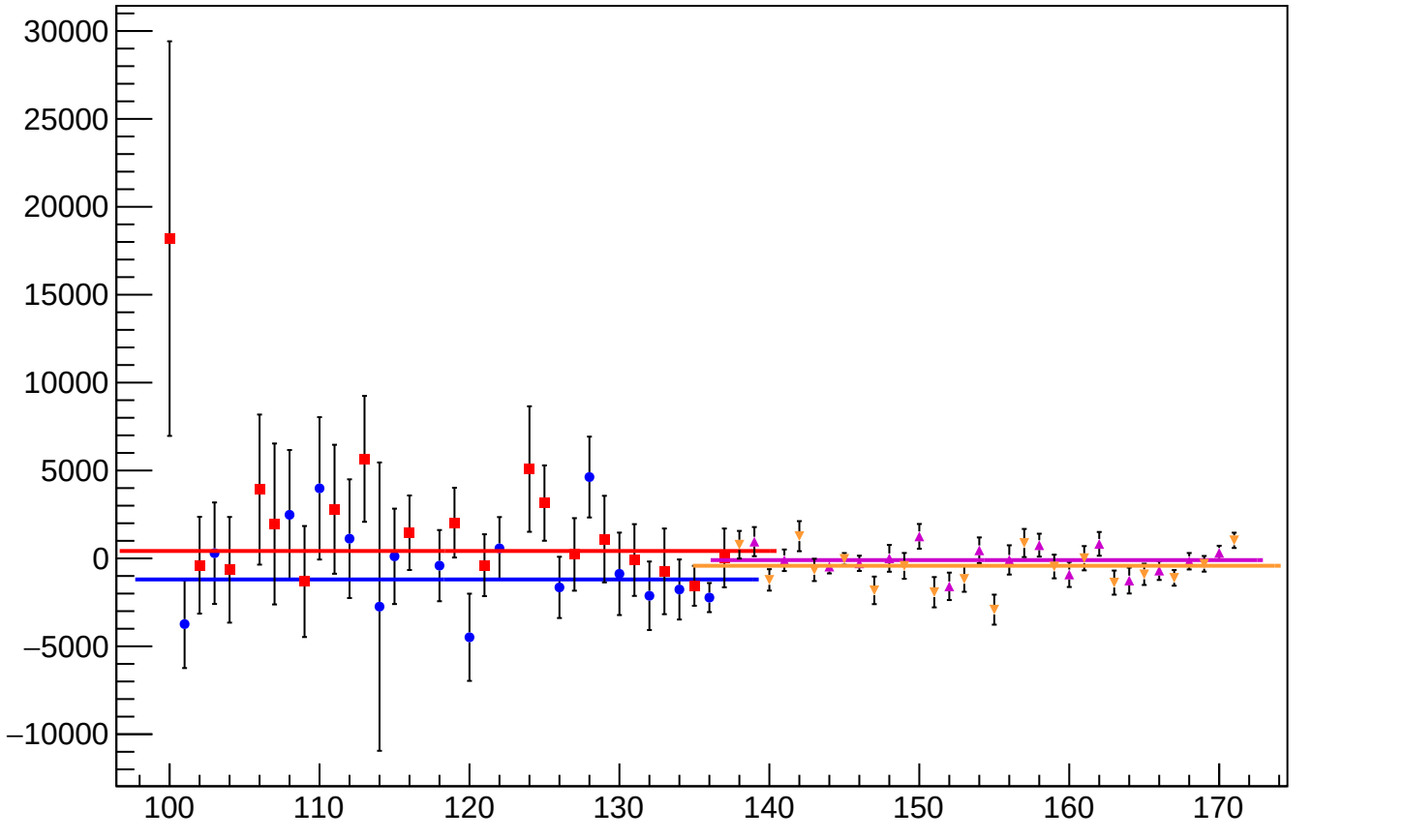
Left: 100.546+/-0.014 χ^2/NDF: 1240356.4/33

Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

In: 109.892+/-0.018 χ^2/NDF:2545210.5/31

Out: 108.151+/-0.017 χ^2/NDF:3386856.8/36

All: 108.986+/-0.012 χ^2/NDF: 5936973.2/68



Right In: -1196.663+/-491.384 χ^2/NDF: 16.0/15

Left Out: -418.060+/-139.640 χ^2/NDF:44.4/17

Right Out: 422.161+/-523.834 χ^2/NDF: 14.3/18

Left In: -95.350+/-145.537 χ^2/NDF:20.3/15

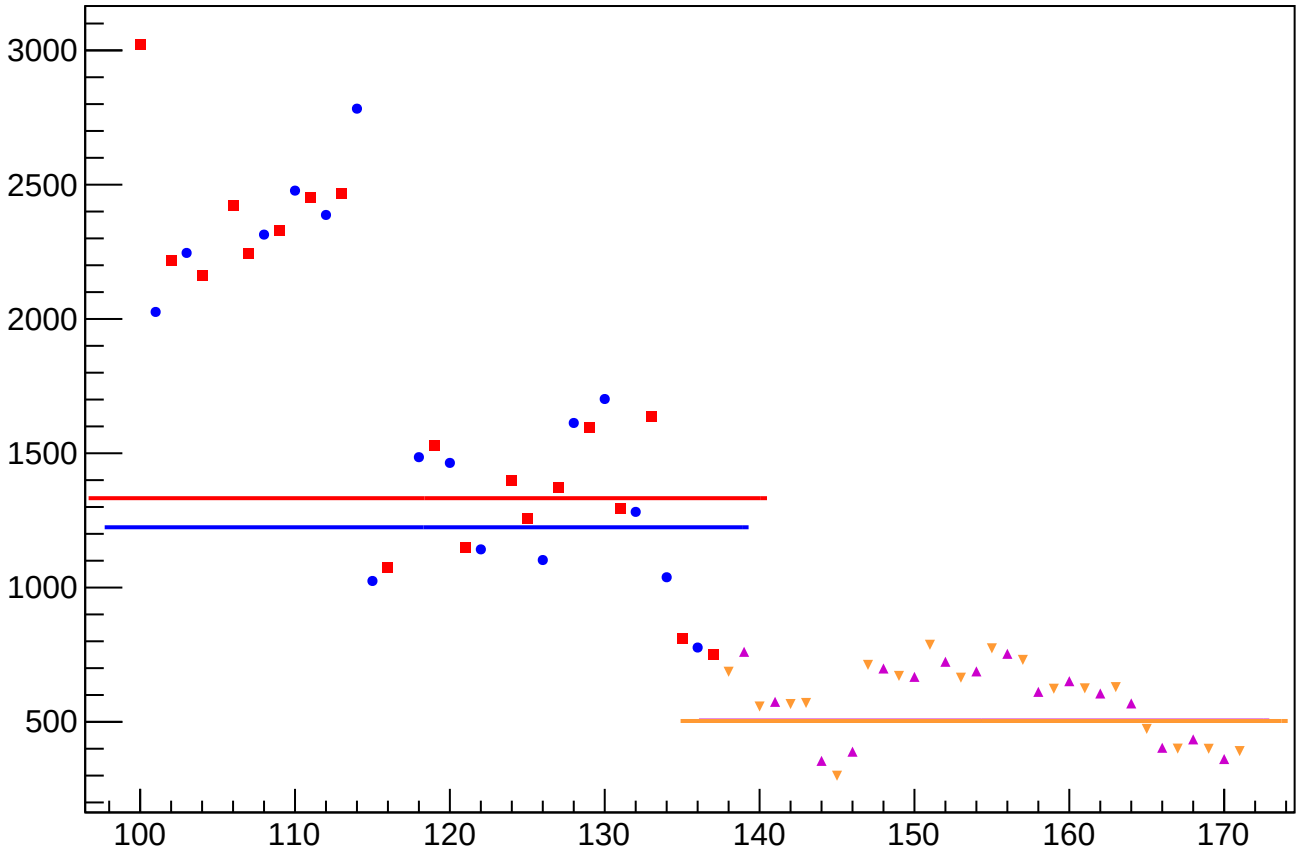
Left: -263.376+/-100.760 χ^2/NDF: 67.2/33

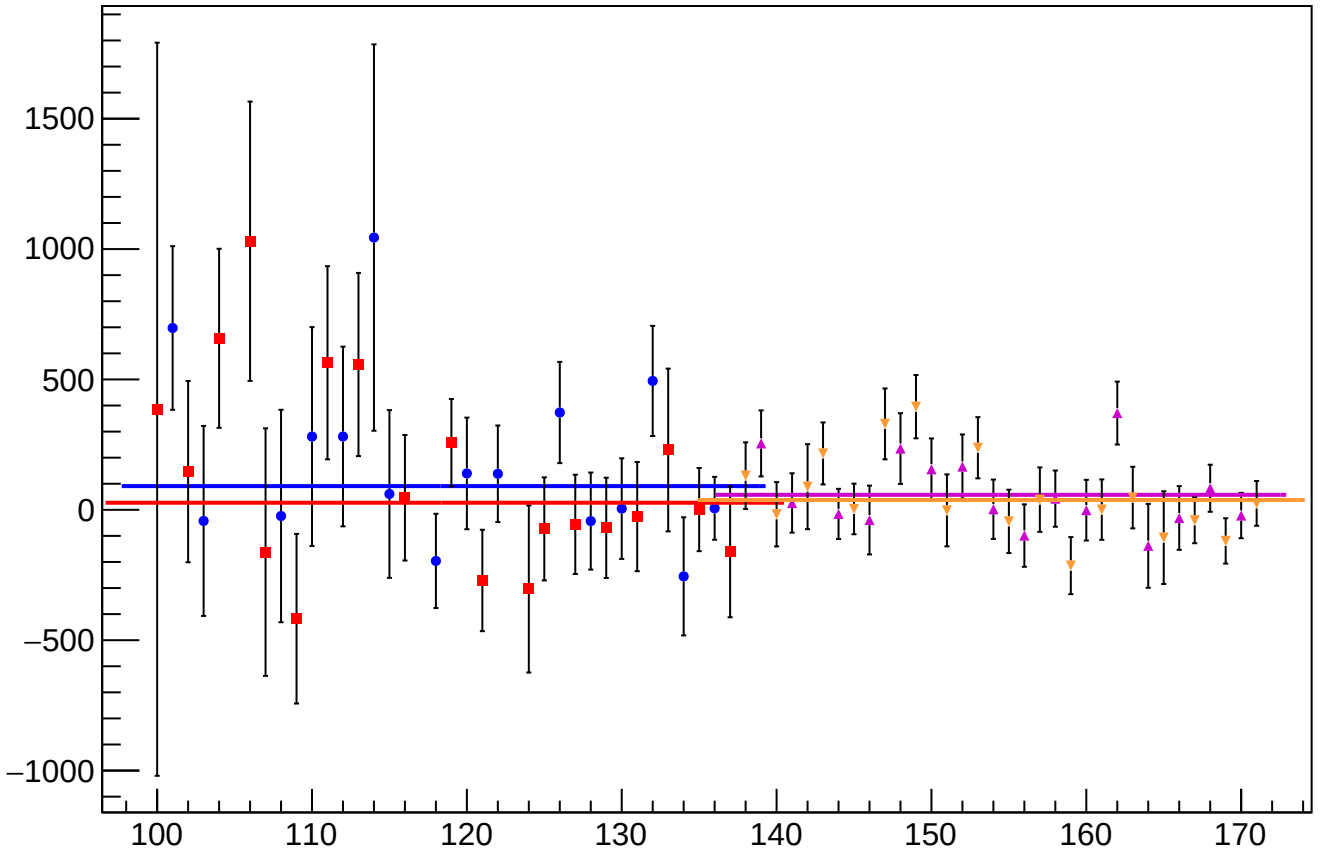
Right: -438.942+/-358.384 χ^2/NDF: 35.3/34

In: -184.167+/-139.545 χ^2/NDF:40.9/31

Out: -362.315+/-134.928 χ^2/NDF:61.1/36

All: -276.237+/-97.000 χ^2/NDF: 102.8/68


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: 504.859+/-0.103 χ²/NDF:1916703.3/15
Left: 504.032+/-0.071 χ²/NDF: 4286929.4/33
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 562.894+/-0.099 χ²/NDF:7819418.6/31
Out: 558.305+/-0.095 χ²/NDF:9047405.6/36
All: 560.522+/-0.069 χ²/NDF: 16867941.9/68



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: 57.523+/-28.483 χ^2/NDF:18.7/15

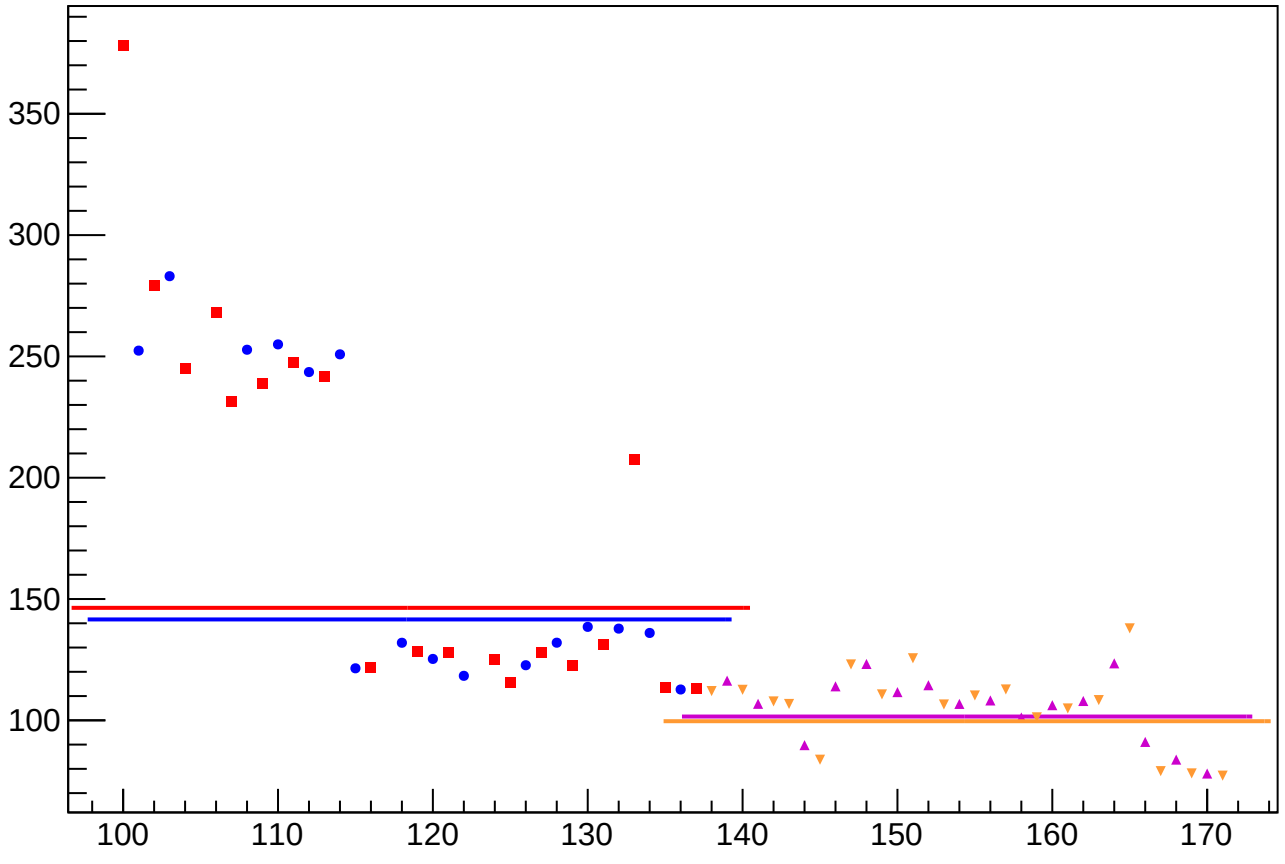
Left: 46.992+/-19.561 χ^2/NDF: 49.0/33

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 64.471+/-25.347 χ^2/NDF:37.0/31

Out: 35.691+/-24.337 χ^2/NDF:50.7/36

All: 49.496+/-17.555 χ^2/NDF: 88.4/68



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: 101.564+/-0.020 χ^2/NDF:461103.3/15

Left: 100.546+/-0.014 χ^2/NDF: 1240333.0/33

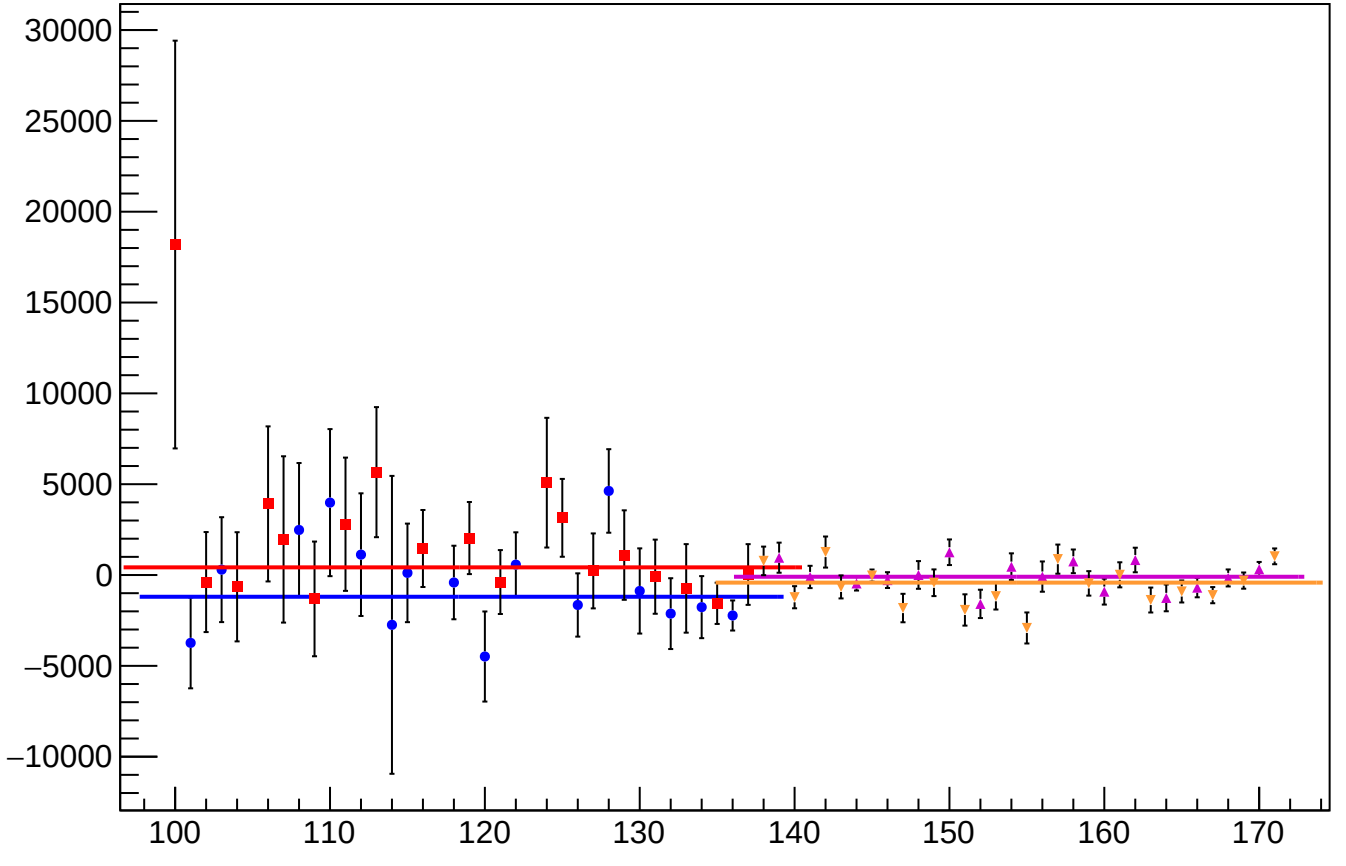
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 109.892+/-0.018 χ^2/NDF:2545138.5/31

Out: 108.152+/-0.017 χ^2/NDF:3386803.9/36

All: 108.986+/-0.012 χ^2/NDF: 5936848.6/68

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: -95.350+/-145.536 χ^2/NDF:20.3/15

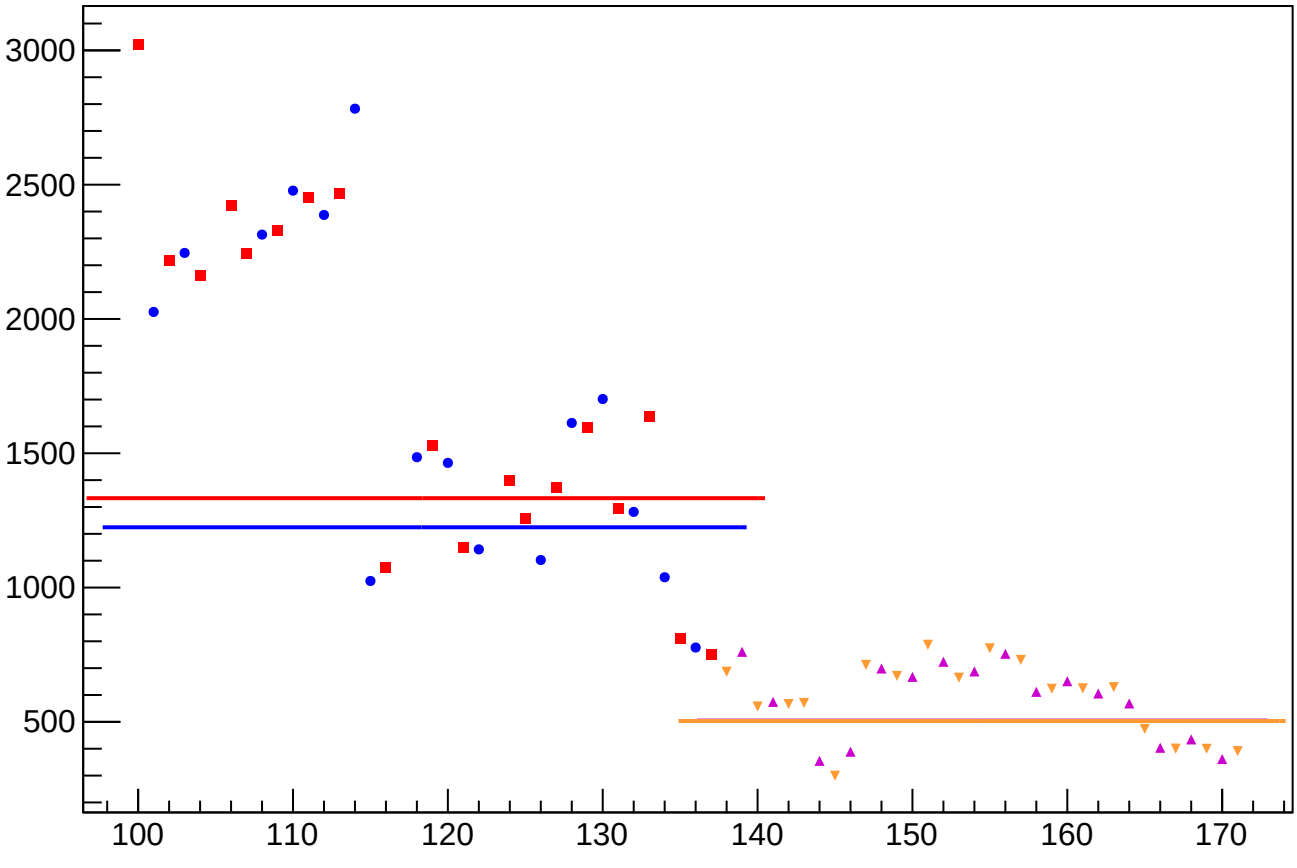
Left: -263.375+/-100.760 χ^2/NDF: 67.2/33

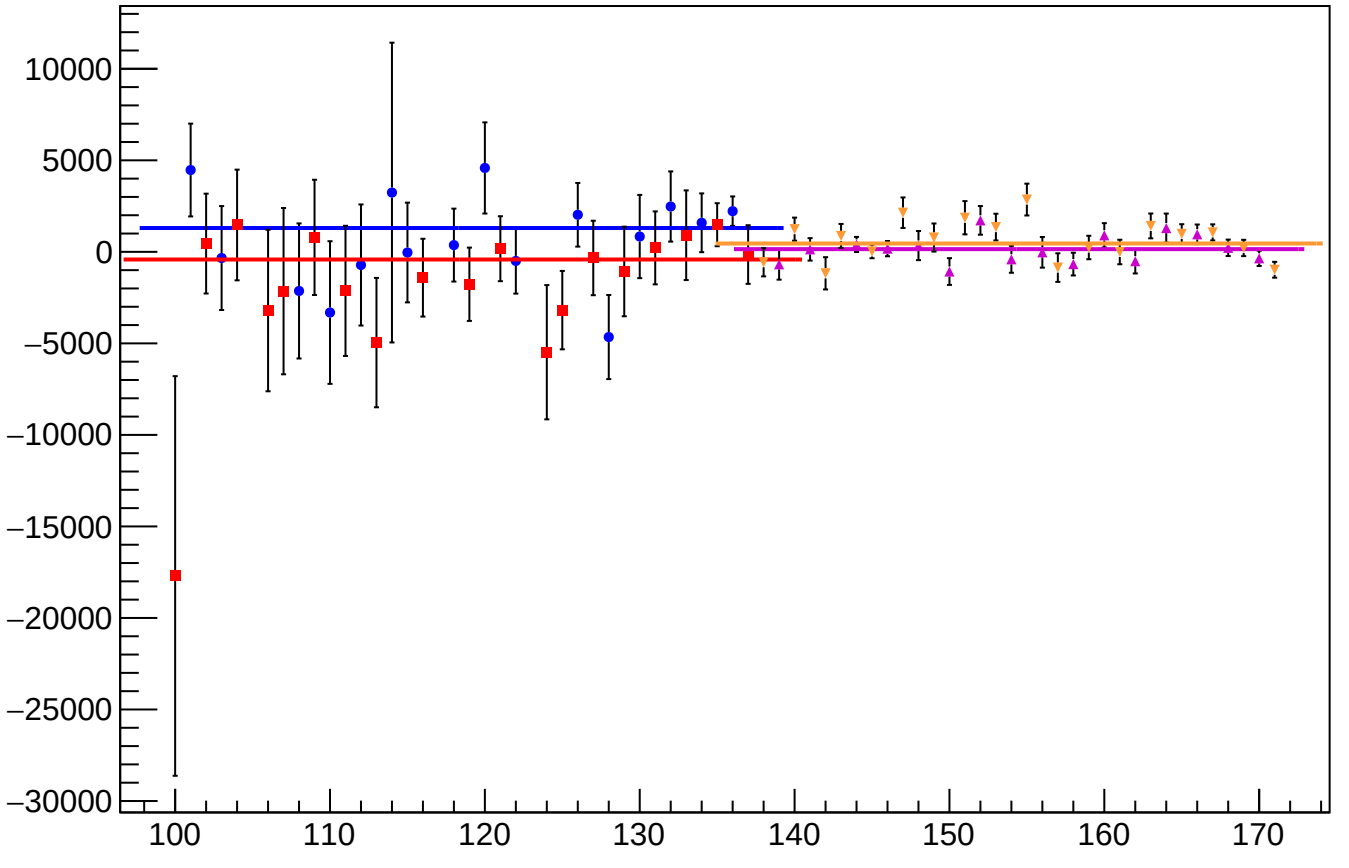
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -184.167+/-139.545 χ^2/NDF:40.9/31

Out: -362.314+/-134.927 χ^2/NDF:61.1/36

All: -276.236+/-96.999 χ^2/NDF: 102.8/68


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: 504.858+/-0.103 χ²/NDF:1916732.5/15
Left: 504.030+/-0.071 χ²/NDF: 4287010.0/33
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 562.892+/-0.099 χ²/NDF:7819445.6/31
Out: 558.303+/-0.095 χ²/NDF:9047464.5/36
All: 560.520+/-0.069 χ²/NDF: 16868028.0/68



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: 147.962+/-146.008 χ^2/NDF:18.7/15

Left: 307.443+/-101.437 χ^2/NDF: 64.9/33

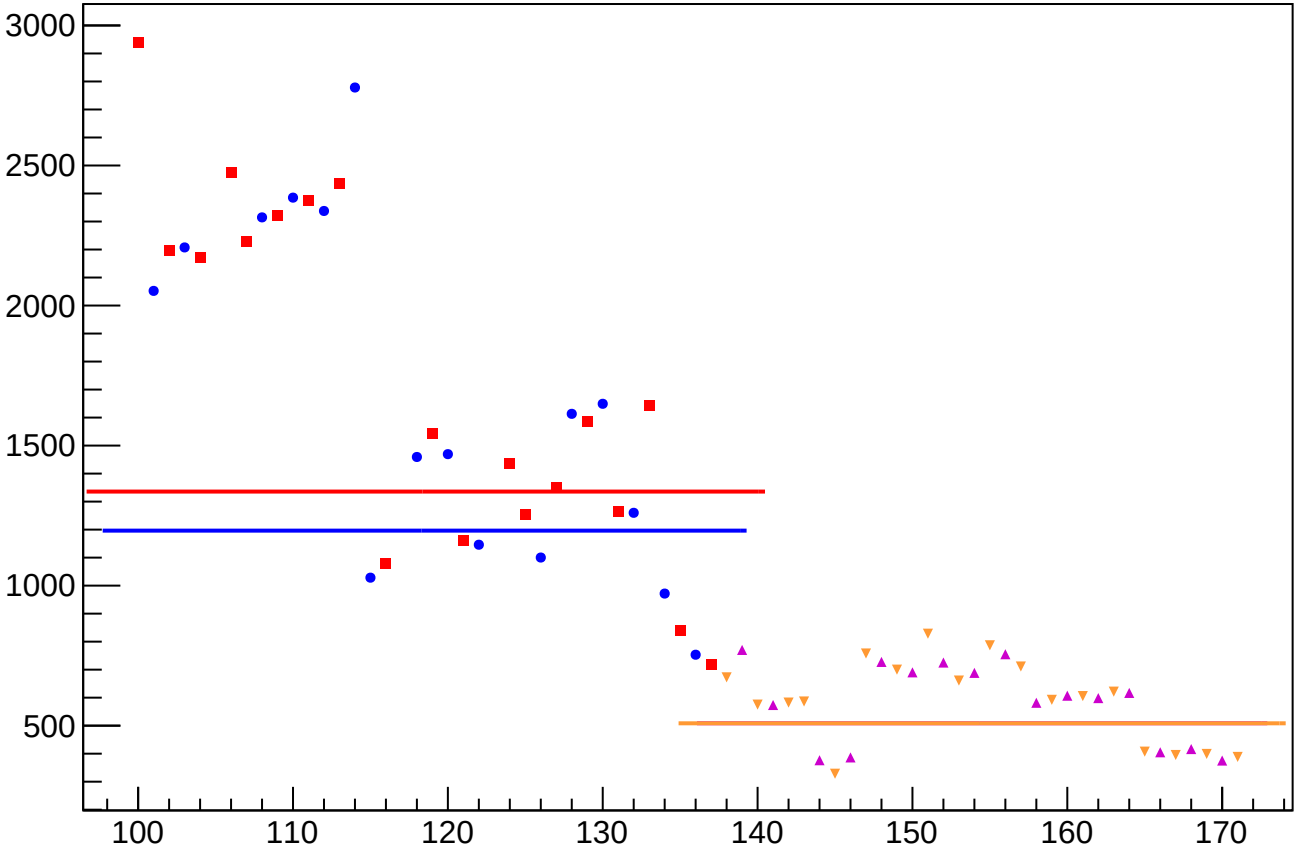
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 244.941+/-139.737 χ^2/NDF:40.4/31

Out: 397.272+/-136.191 χ^2/NDF:59.6/36

All: 323.063+/-97.531 χ^2/NDF: 100.6/68

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: 508.611+/-0.103 χ^2/NDF:1822195.4/15

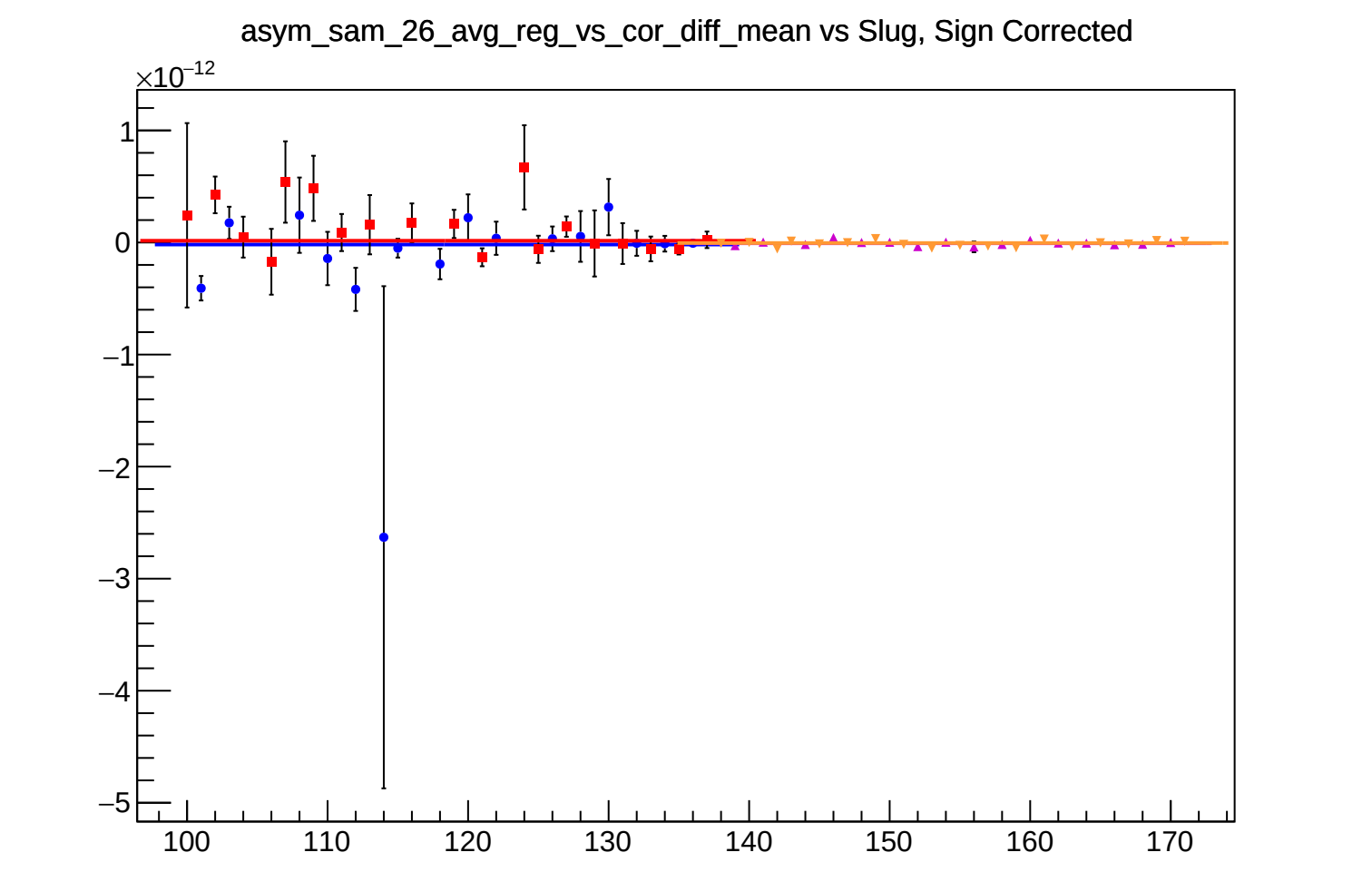
Left: 508.509+/-0.072 χ^2/NDF: 4040277.5/33

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 566.424+/-0.099 χ^2/NDF:7584061.9/31

Out: 564.196+/-0.096 χ^2/NDF:8810706.2/36

All: 565.282+/-0.069 χ^2/NDF: 16395028.9/68



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:13.4/15

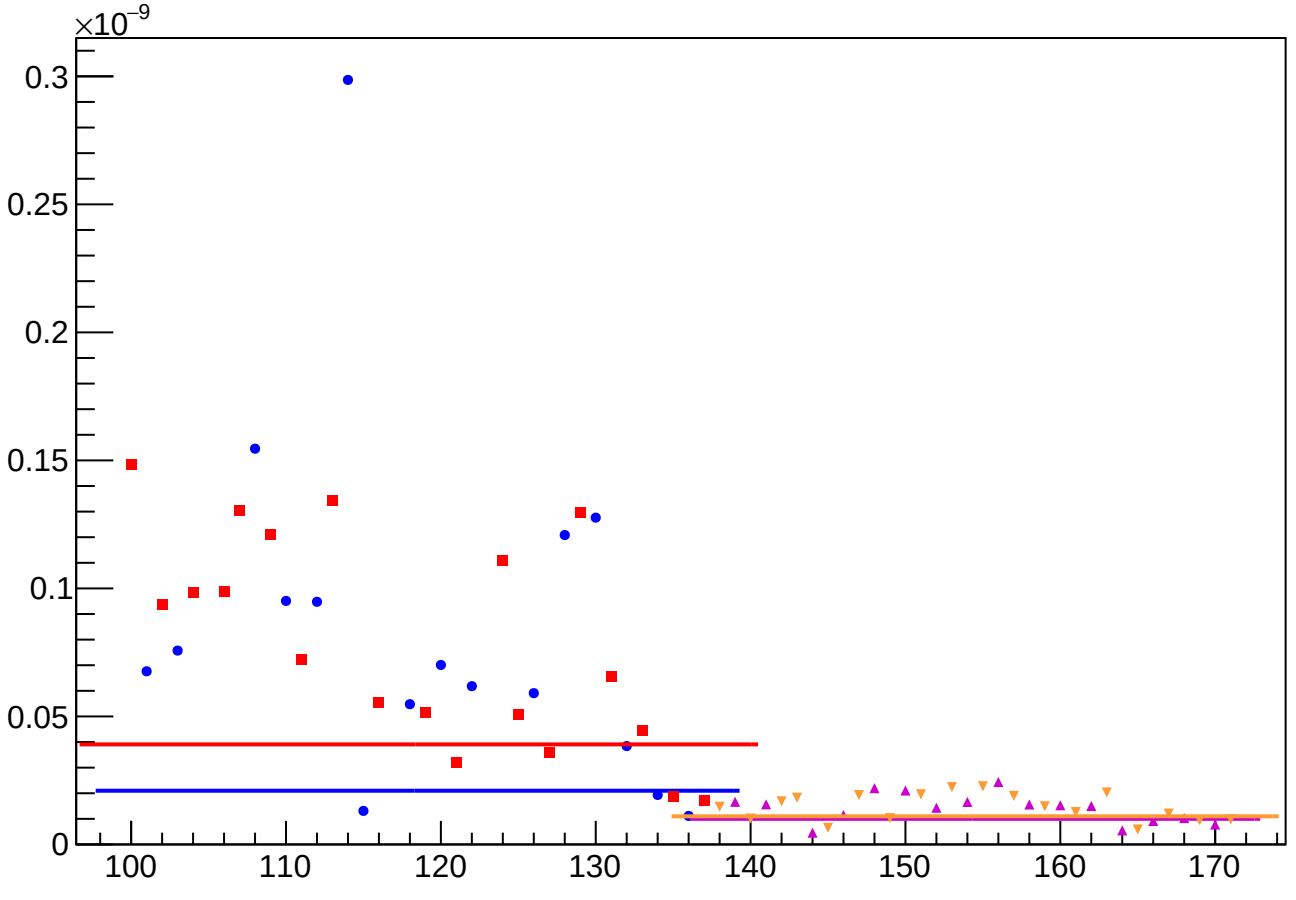
Left: -0.000+/-0.000 χ^2/NDF: 31.0/33

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:40.6/31

Out: -0.000+/-0.000 χ^2/NDF:43.6/36

All: -0.000+/-0.000 χ^2/NDF: 84.5/68



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:2067998.7/15

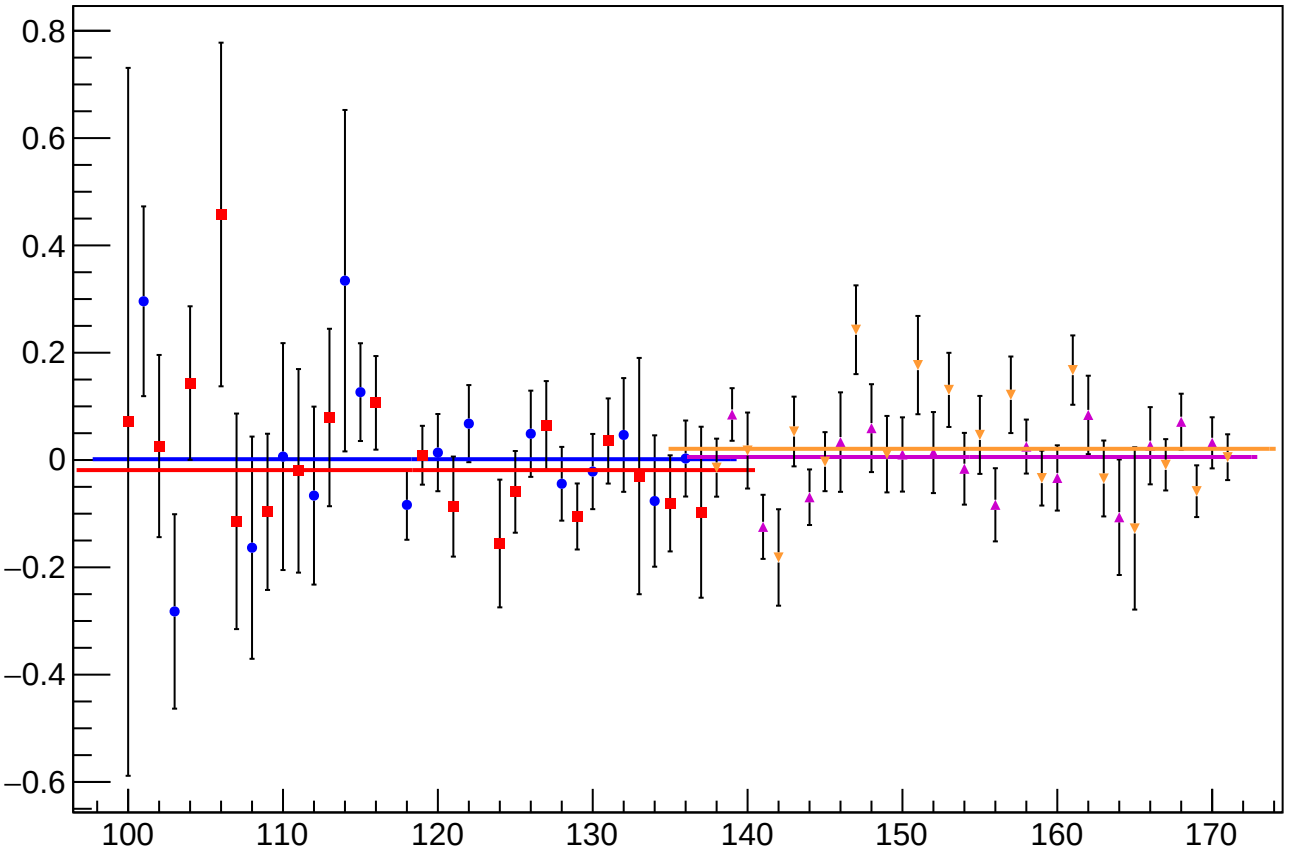
Left: 0.000+/-0.000 χ^2/NDF: 3942657.7/33

Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6151377.4/31

Out: 0.000+/-0.000 χ^2/NDF:5919469.9/36

All: 0.000+/-0.000 χ^2/NDF: 12116163.7/68



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: 0.006+/-0.016 χ^2/NDF:16.6/15

Left: 0.014+/-0.011 χ^2/NDF: 48.8/33

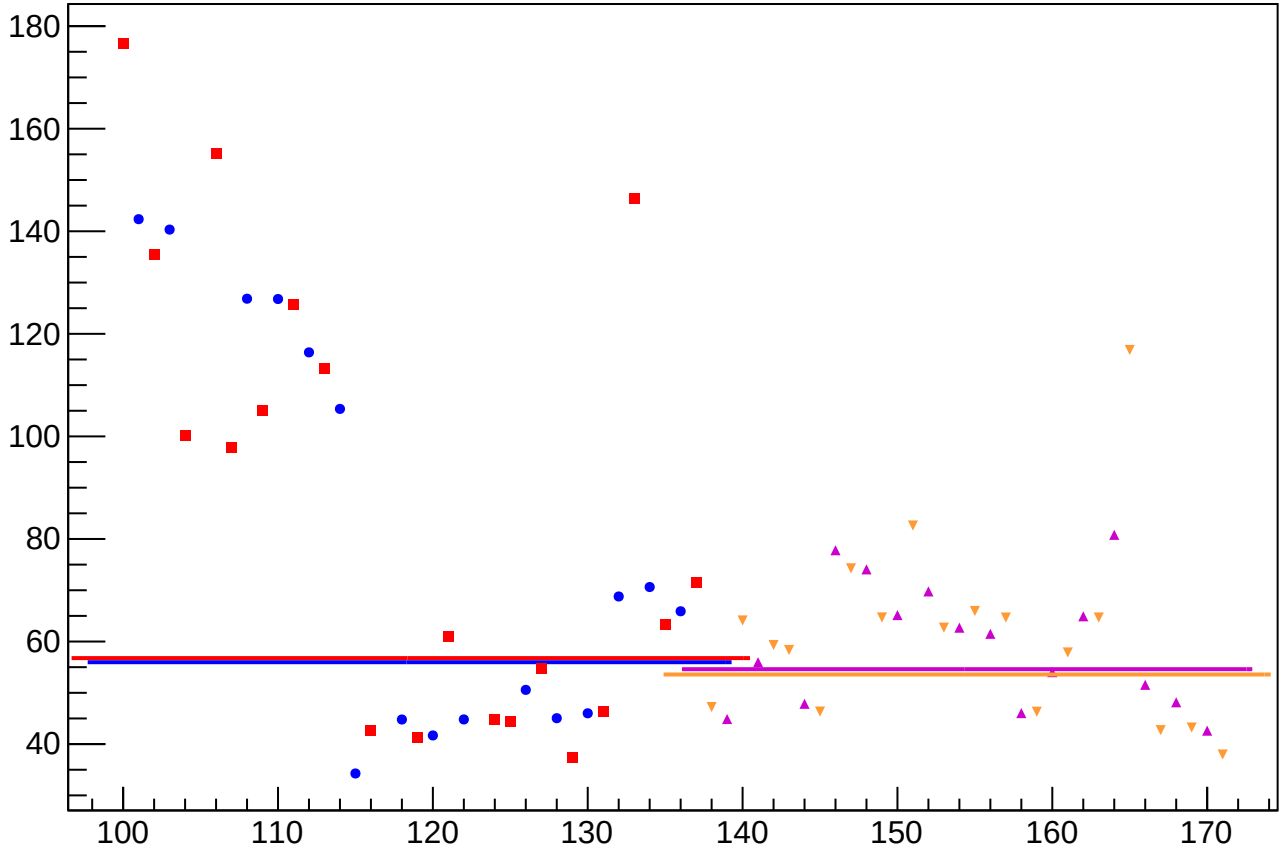
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.004+/-0.013 χ^2/NDF:29.7/31

Out: 0.010+/-0.013 χ^2/NDF:46.9/36

All: 0.007+/-0.009 χ^2/NDF: 76.7/68

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552668.4/17

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.608+/-0.011 χ^2/NDF:905663.6/15

Left: 54.063+/-0.008 χ^2/NDF: 2462958.6/33

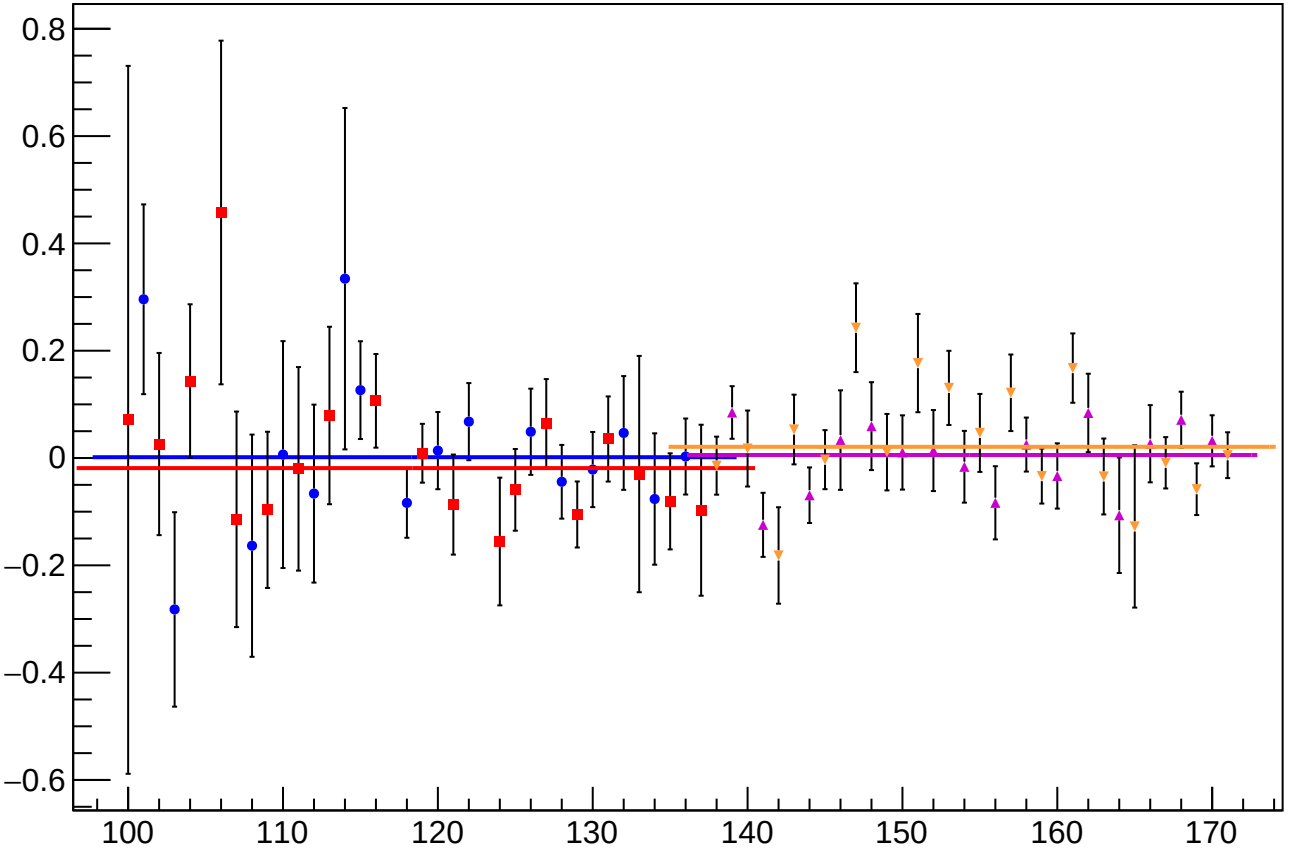
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.027+/-0.009 χ^2/NDF:3090159.5/31

Out: 54.480+/-0.009 χ^2/NDF:4132374.1/36

All: 54.743+/-0.006 χ^2/NDF: 7224374.9/68

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.021+/-0.015 χ^2/NDF:31.8/17

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.016 χ^2/NDF:16.6/15

Left: 0.014+/-0.011 χ^2/NDF: 48.8/33

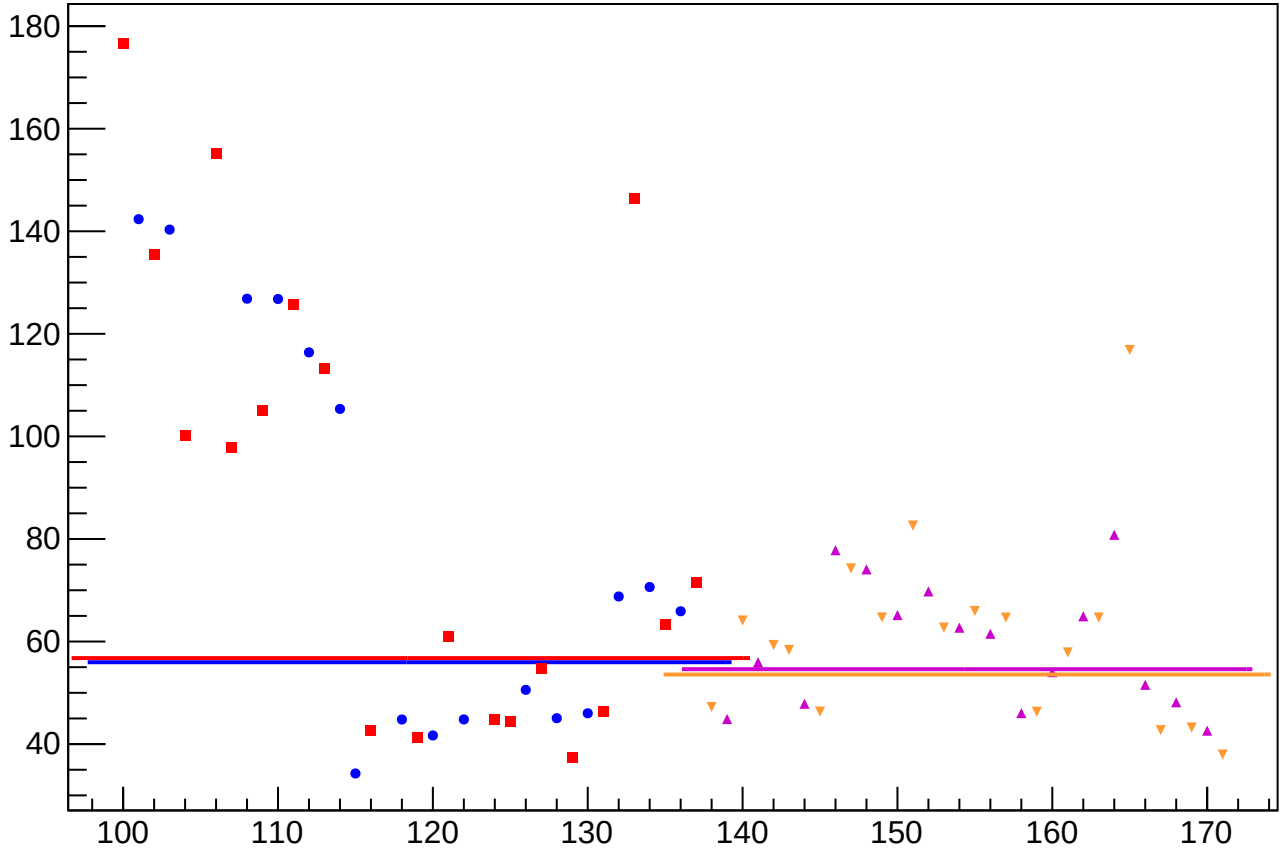
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.004+/-0.013 χ^2/NDF:29.7/31

Out: 0.010+/-0.013 χ^2/NDF:46.9/36

All: 0.007+/-0.009 χ^2/NDF: 76.7/68

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 53.574+/-0.010 χ^2/NDF:1552668.4/17

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 54.608+/-0.011 χ^2/NDF:905663.6/15

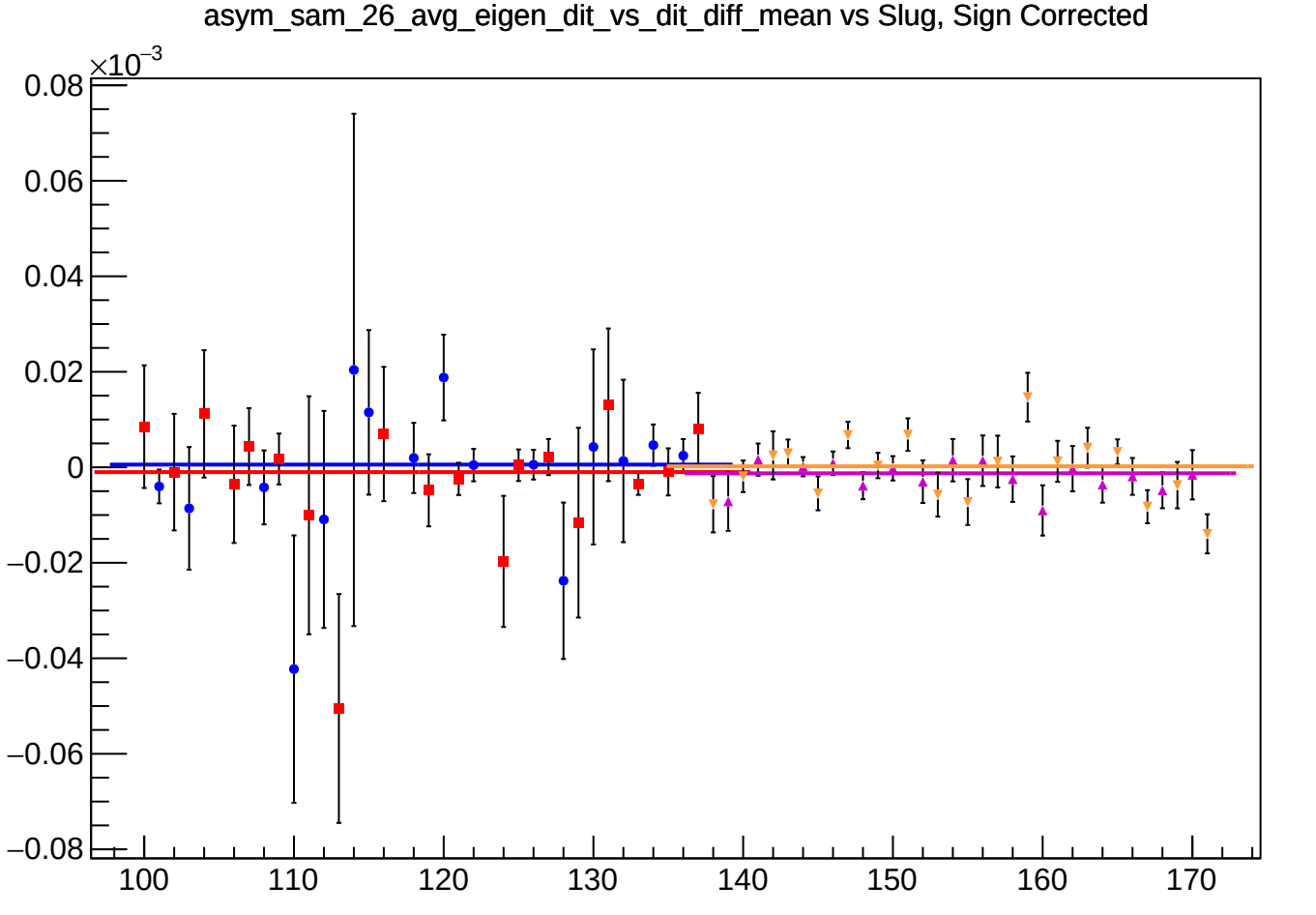
Left: 54.063+/-0.008 χ^2/NDF: 2462958.6/33

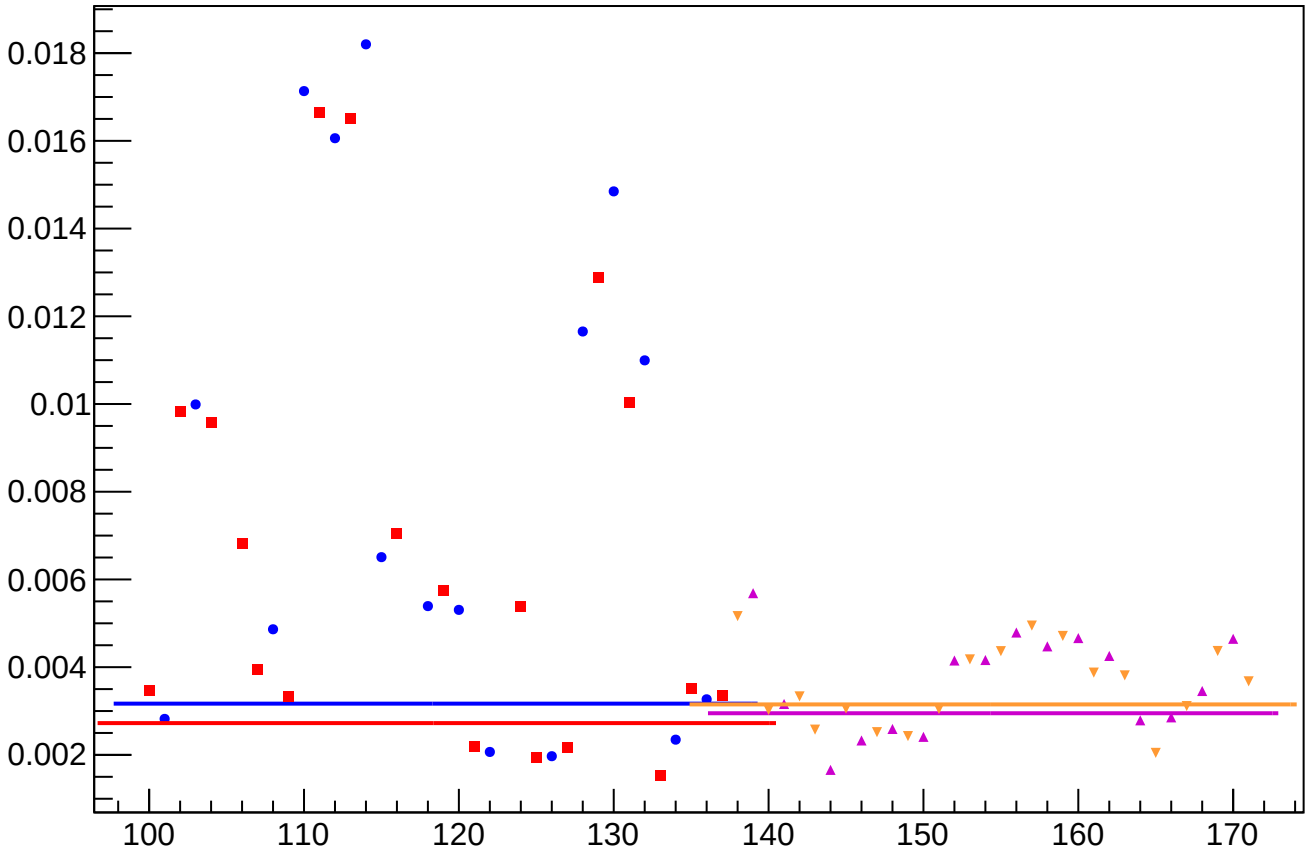
Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 55.027+/-0.009 χ^2/NDF:3090159.5/31

Out: 54.480+/-0.009 χ^2/NDF:4132374.1/36

All: 54.743+/-0.006 χ^2/NDF: 7224374.9/68


asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 13.3/15
Left Out: 0.000+/-0.000 χ²/NDF:48.3/17
Right Out: -0.000+/-0.000 χ²/NDF: 13.8/18
Left In: -0.000+/-0.000 χ²/NDF:8.2/15
Left: -0.000+/-0.000 χ²/NDF: 57.9/33
Right: -0.000+/-0.000 χ²/NDF: 27.8/34
In: -0.000+/-0.000 χ²/NDF:22.7/31
Out: -0.000+/-0.000 χ²/NDF:62.7/36
All: -0.000+/-0.000 χ²/NDF: 85.7/68



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:2827951.7/15

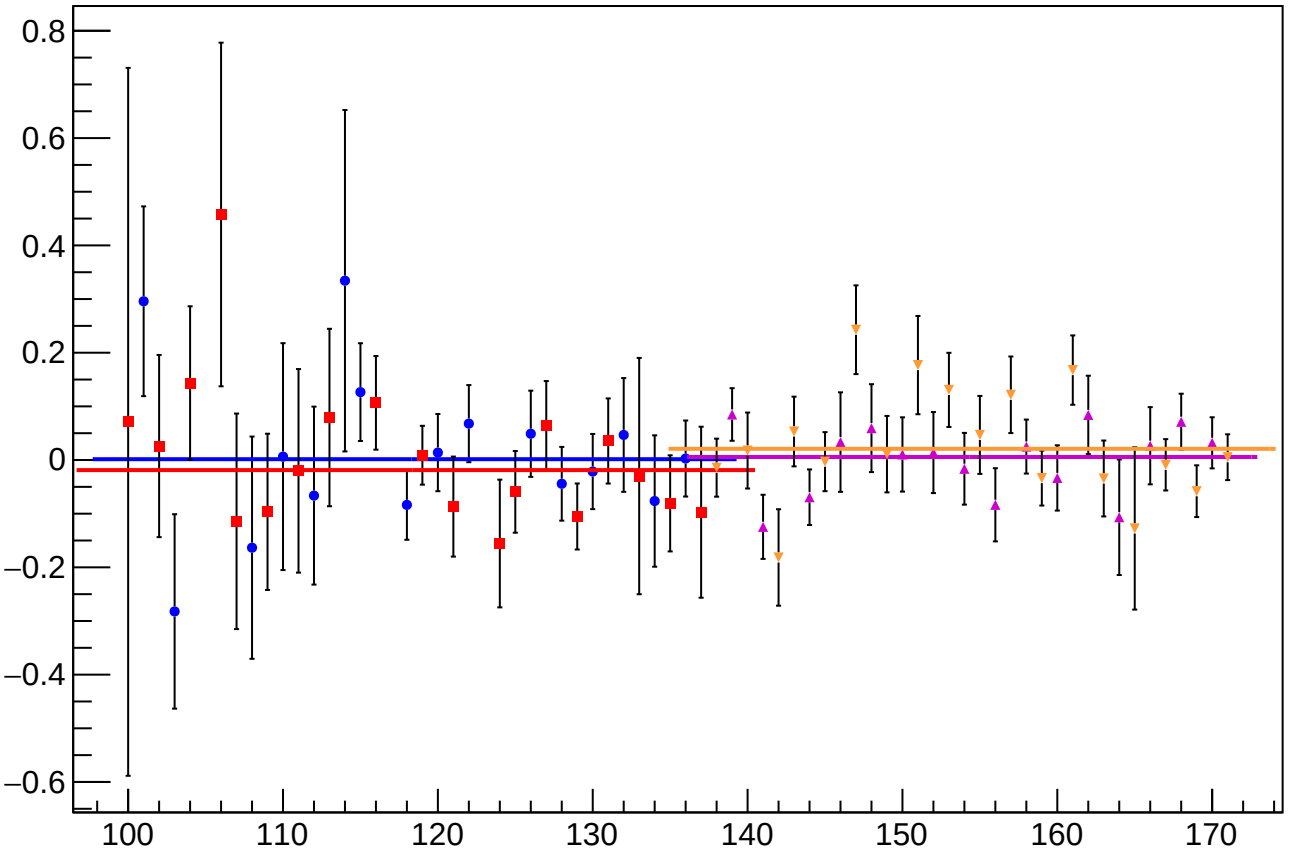
Left: 0.003+/-0.000 χ^2/NDF: 4713697.7/33

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7407097.4/31

Out: 0.003+/-0.000 χ^2/NDF:7138337.2/36

All: 0.003+/-0.000 χ^2/NDF: 14545542.4/68



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: 0.006+/-0.016 χ^2/NDF:16.6/15

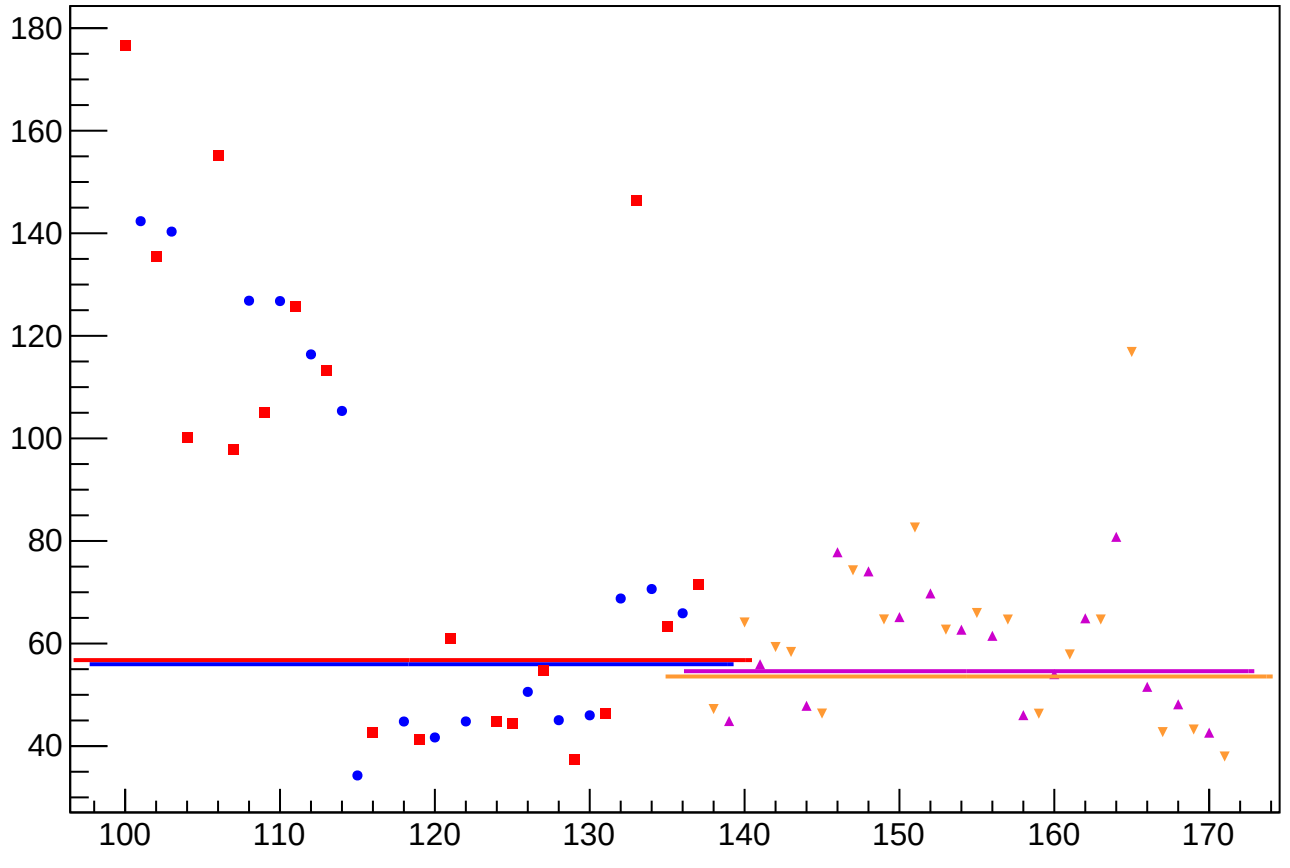
Left: 0.014+/-0.011 χ^2/NDF: 48.8/33

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.004+/-0.013 χ^2/NDF:29.7/31

Out: 0.010+/-0.013 χ^2/NDF:46.9/36

All: 0.007+/-0.009 χ^2/NDF: 76.7/68



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: 54.609+/-0.011 χ^2/NDF:905628.4/15

Left: 54.063+/-0.008 χ^2/NDF: 2462895.7/33

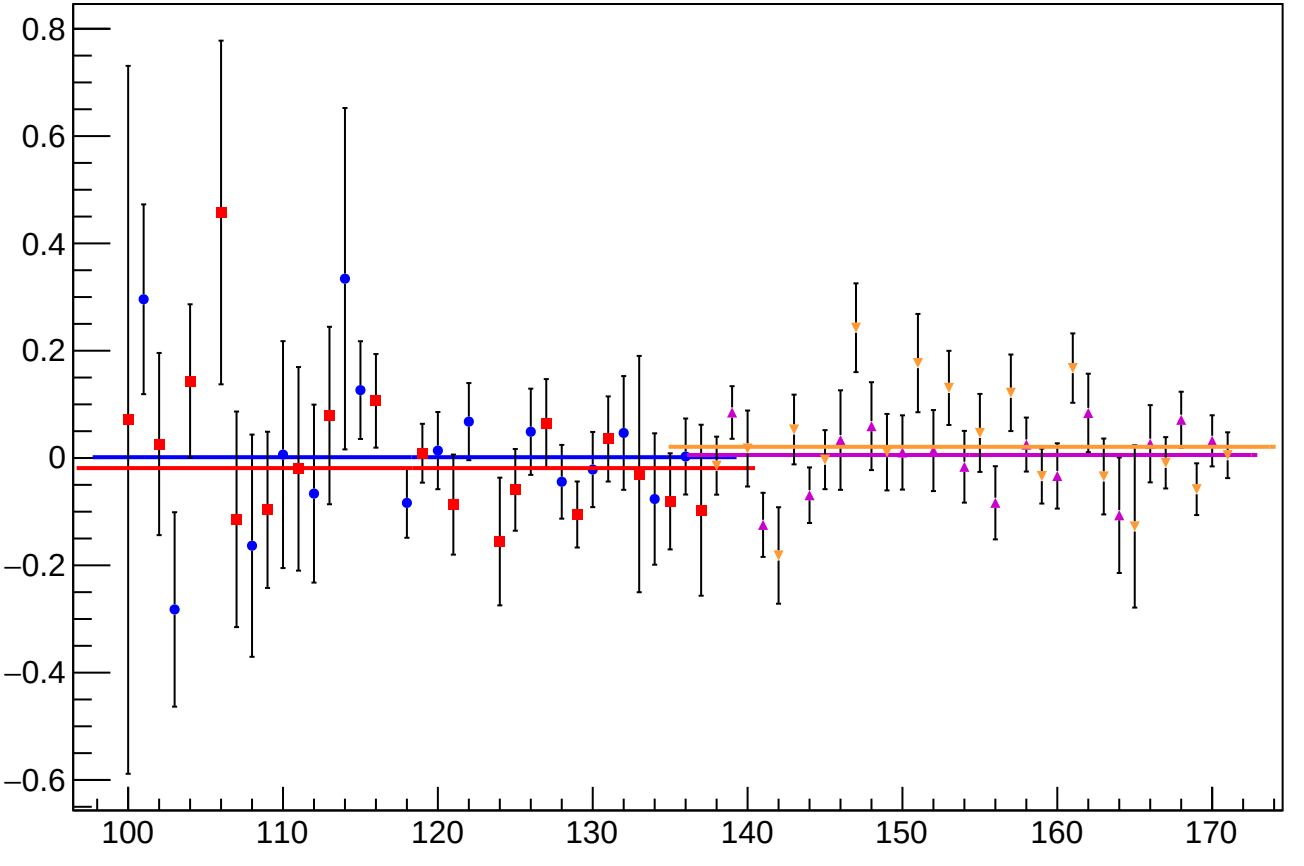
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.028+/-0.009 χ^2/NDF:3090045.2/31

Out: 54.480+/-0.009 χ^2/NDF:4132271.7/36

All: 54.744+/-0.006 χ^2/NDF: 7224159.3/68

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: 0.006+/-0.016 χ^2/NDF:16.6/15

Left: 0.014+/-0.011 χ^2/NDF: 48.8/33

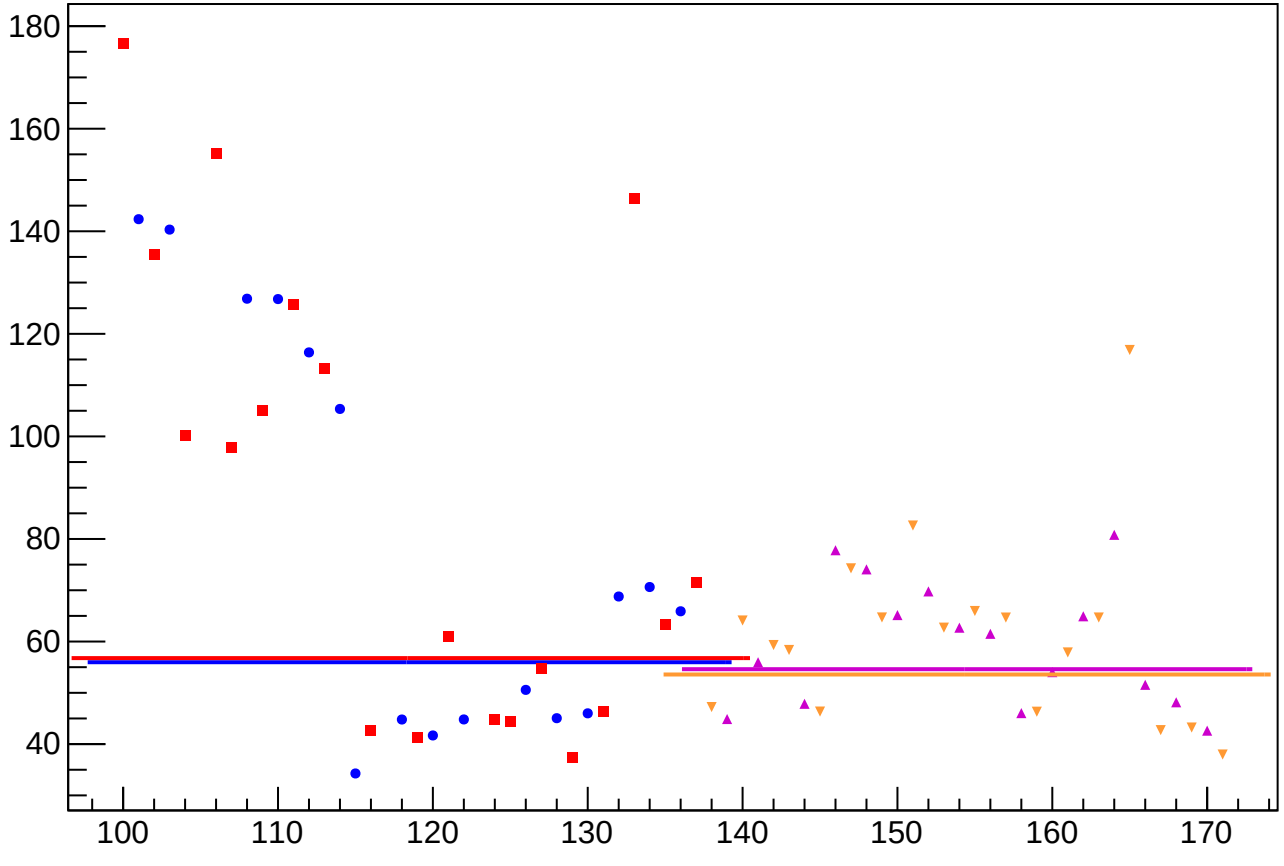
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.004+/-0.013 χ^2/NDF:29.7/31

Out: 0.010+/-0.013 χ^2/NDF:46.9/36

All: 0.007+/-0.009 χ^2/NDF: 76.7/68

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: 54.609+/-0.011 χ^2/NDF:905628.4/15

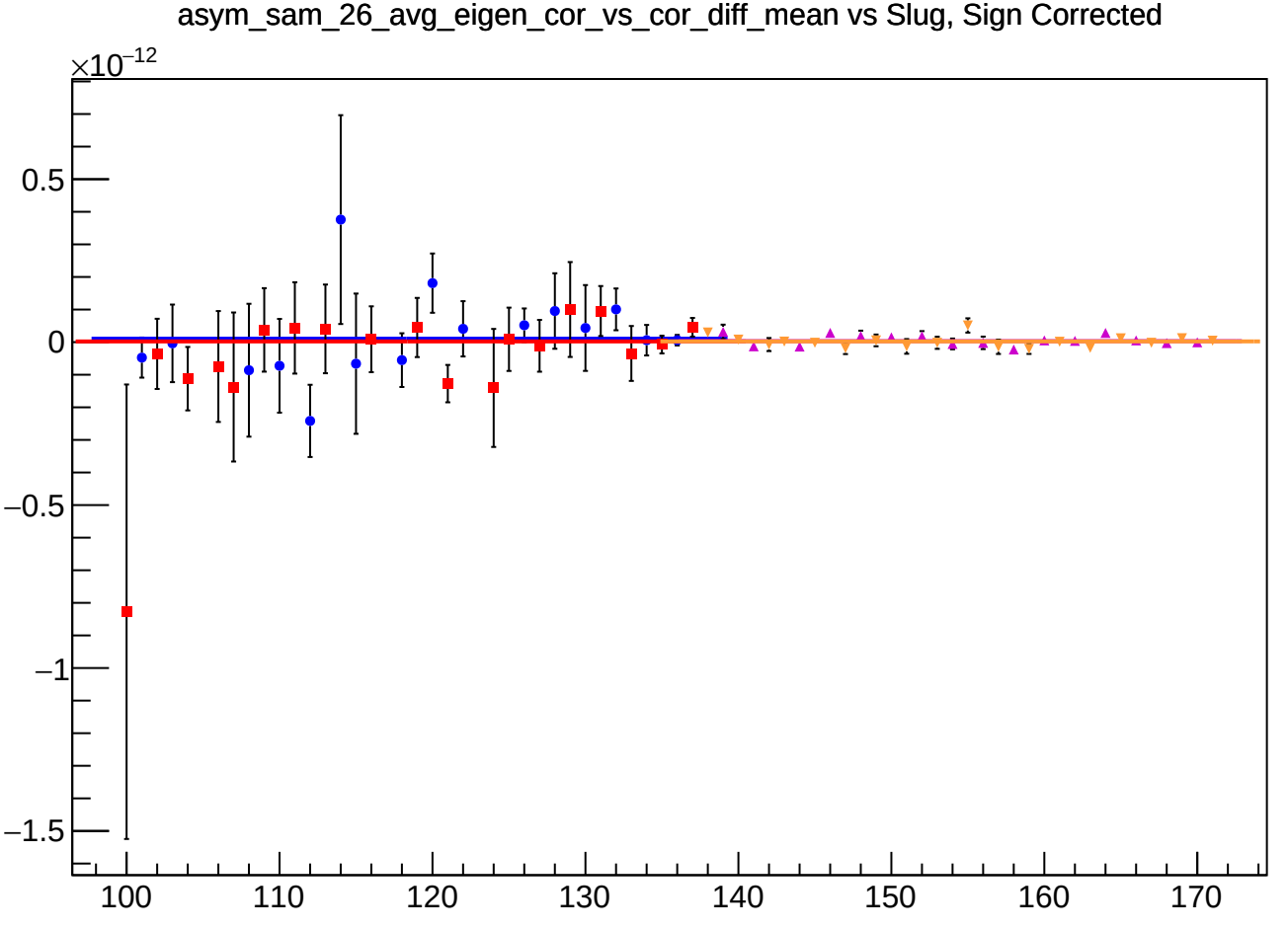
Left: 54.063+/-0.008 χ^2/NDF: 2462895.7/33

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 55.028+/-0.009 χ^2/NDF:3090045.2/31

Out: 54.480+/-0.009 χ^2/NDF:4132271.7/36

All: 54.744+/-0.006 χ^2/NDF: 7224159.3/68



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:28.2/15

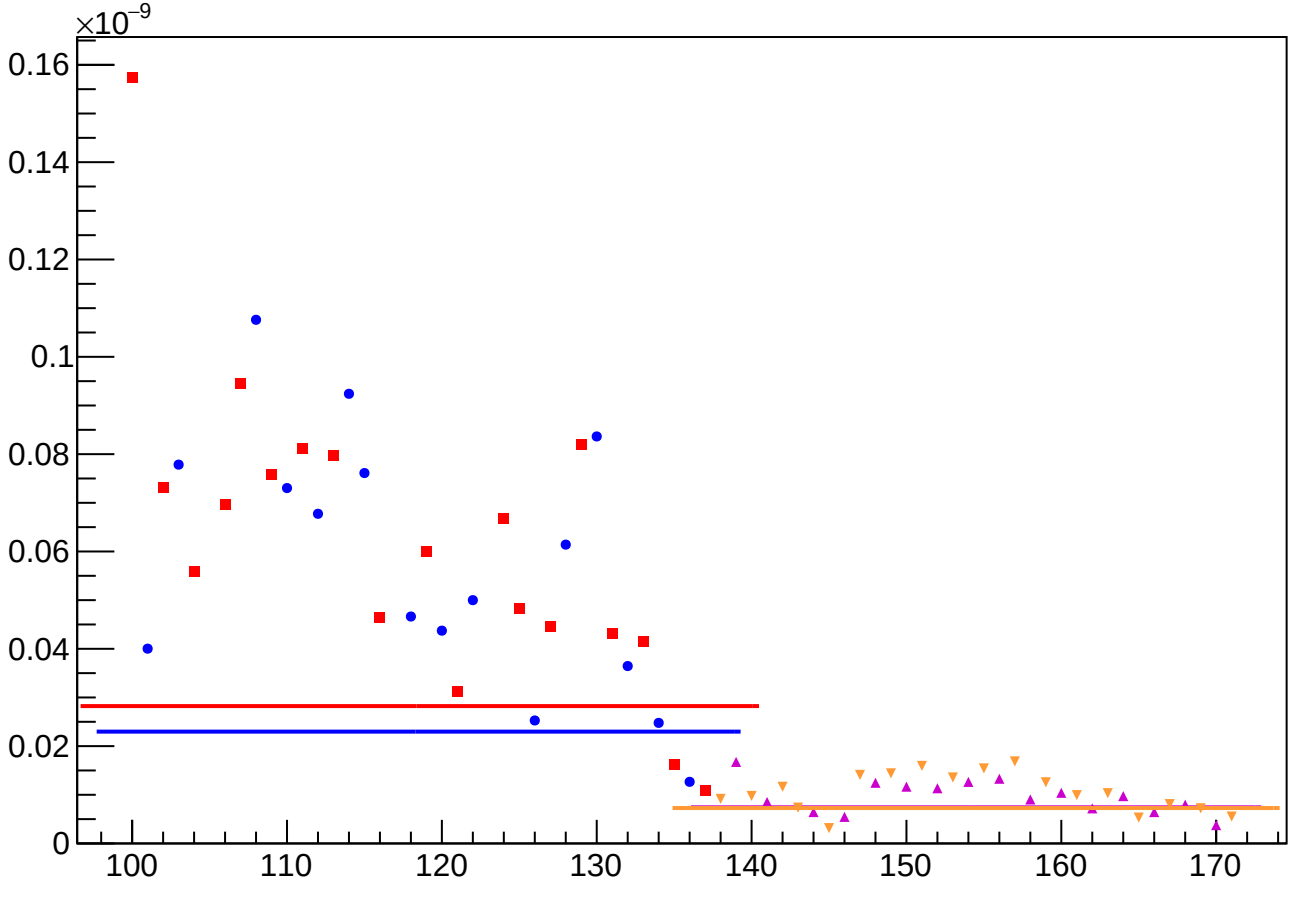
Left: 0.000+/-0.000 χ^2/NDF: 47.8/33

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:44.2/31

Out: 0.000+/-0.000 χ^2/NDF:33.8/36

All: 0.000+/-0.000 χ^2/NDF: 78.1/68



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:2350569.6/15

Left: 0.000+/-0.000 χ^2/NDF: 6286832.4/33

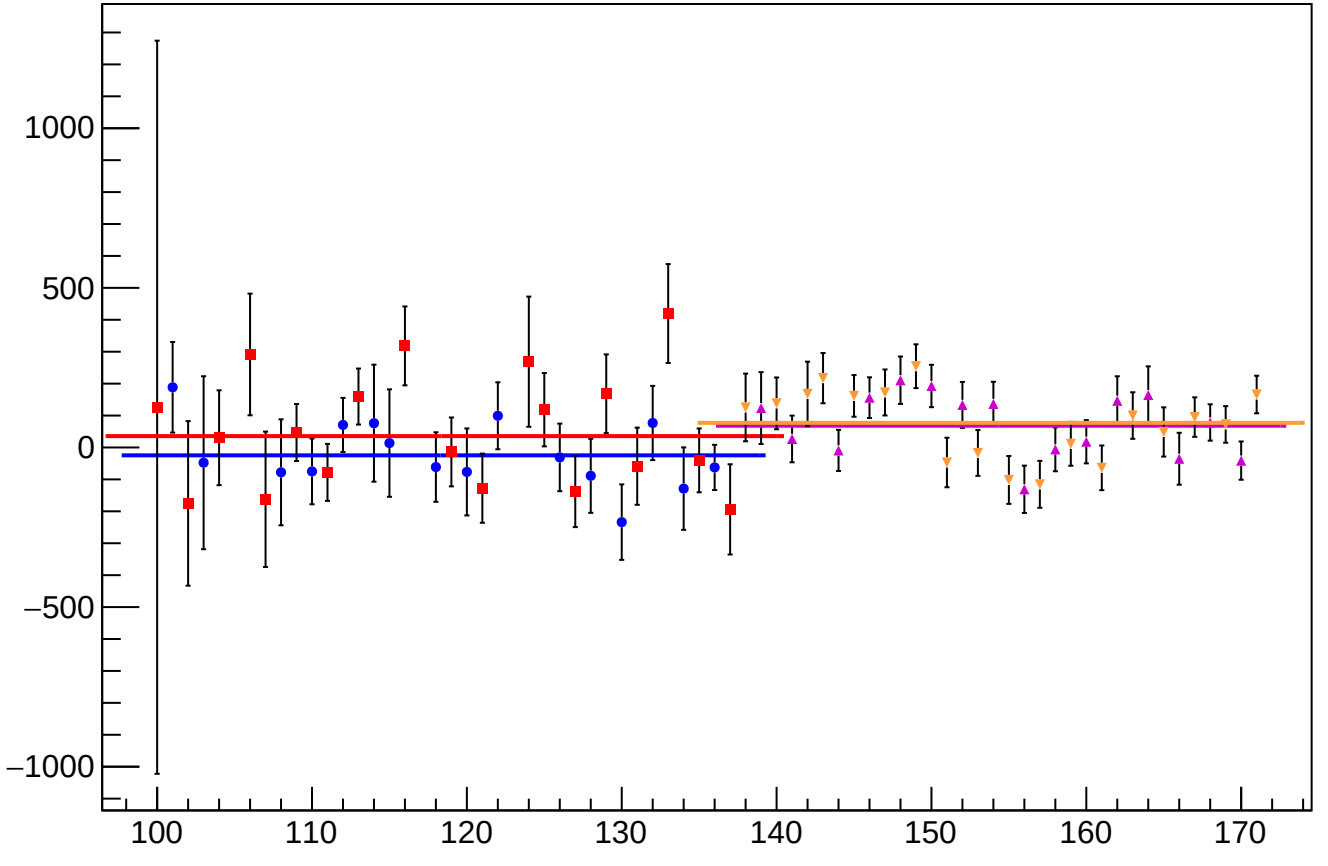
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:8839203.7/31

Out: 0.000+/-0.000 χ^2/NDF:11303160.7/36

All: 0.000+/-0.000 χ^2/NDF: 20149538.5/68

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: 68.151+/-17.655 χ^2/NDF:29.0/15

Left: 72.860+/-12.217 χ^2/NDF: 68.4/33

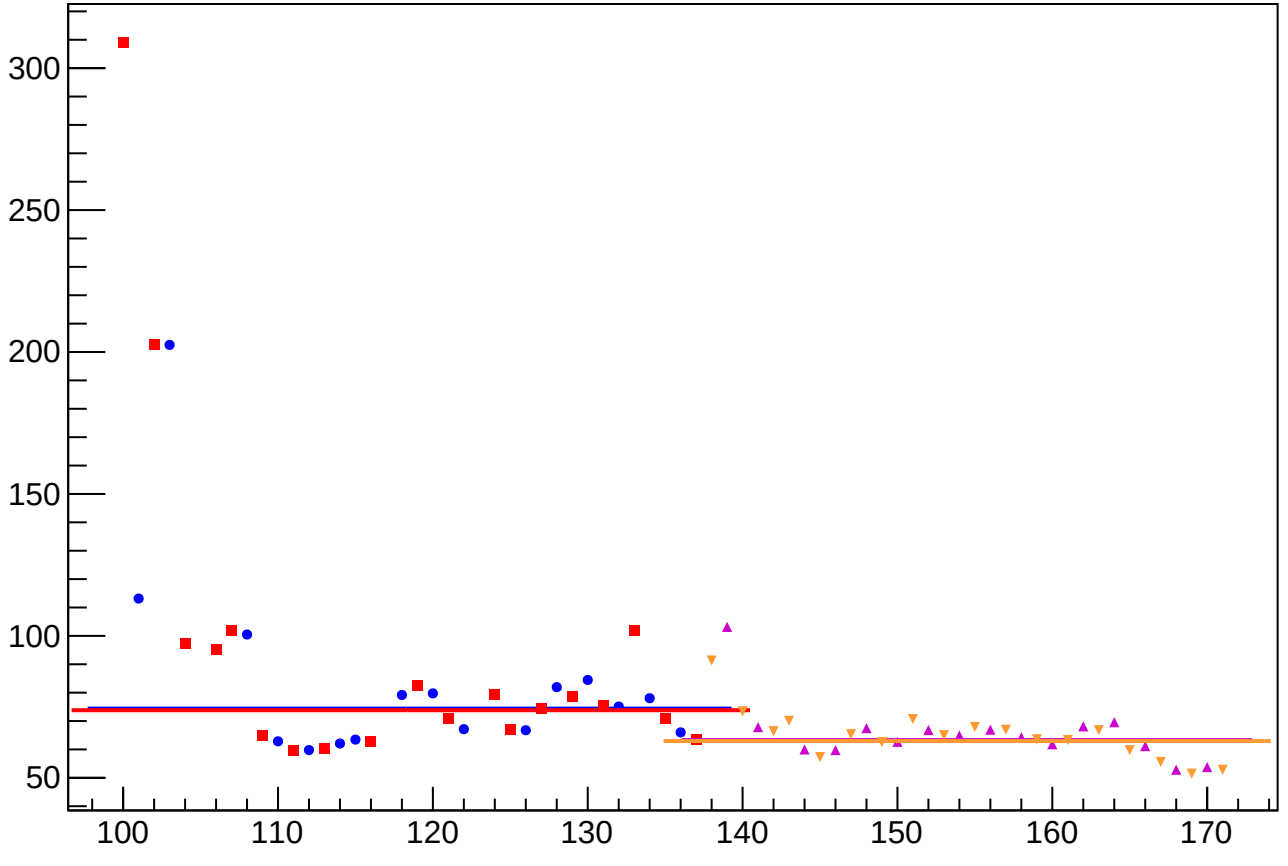
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 42.951+/-15.068 χ^2/NDF:47.5/31

Out: 66.316+/-14.545 χ^2/NDF:71.0/36

All: 55.046+/-10.465 χ^2/NDF: 119.7/68

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: 63.282+/-0.012 χ^2/NDF:425822.3/15

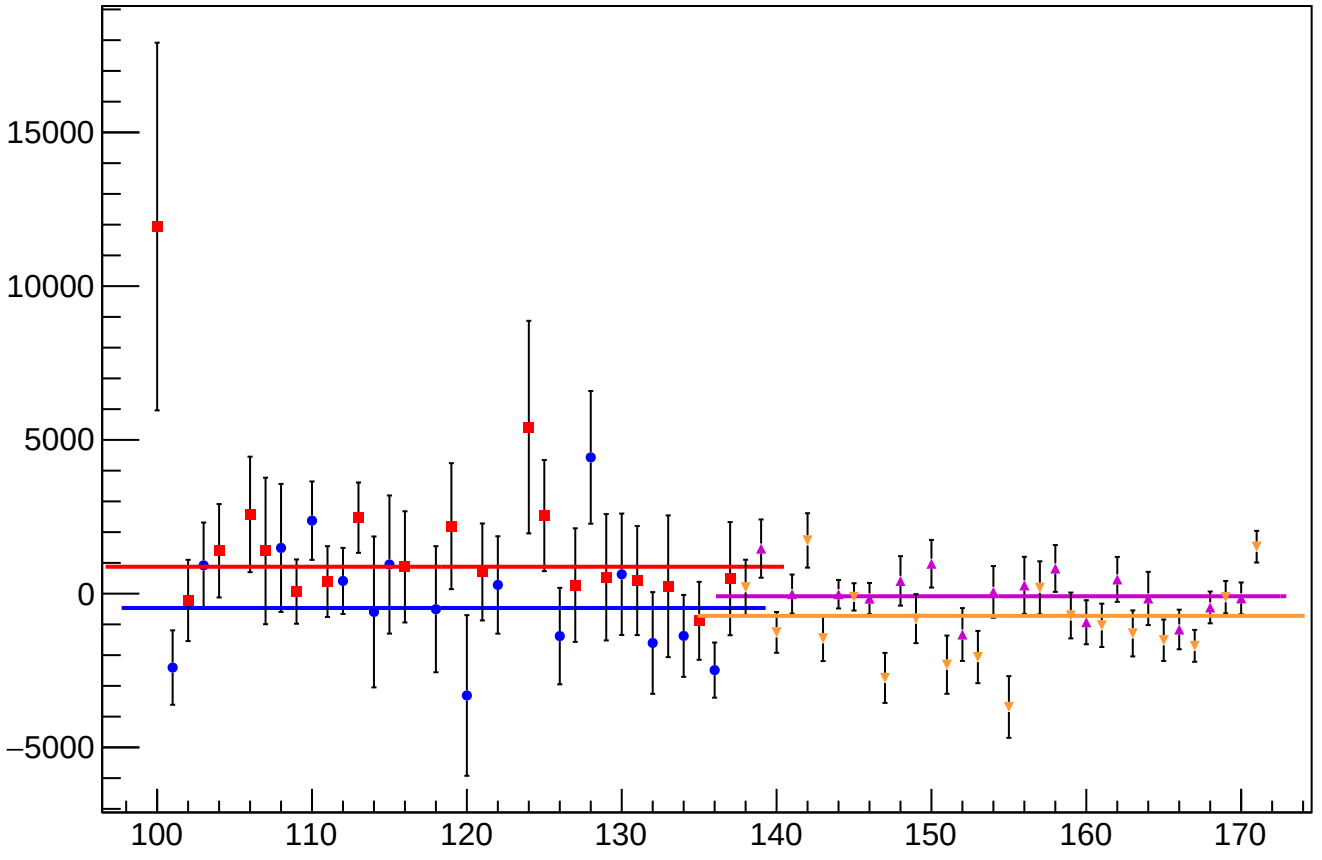
Left: 63.111+/-0.009 χ^2/NDF: 852964.3/33

Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 66.293+/-0.011 χ^2/NDF:1467628.6/31

Out: 65.791+/-0.010 χ^2/NDF:1573998.6/36

All: 66.033+/-0.007 χ^2/NDF: 3042774.9/68



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: -85.101+/-166.581 χ^2/NDF:14.0/15

Left: -414.249+/-115.843 χ^2/NDF: 81.2/33

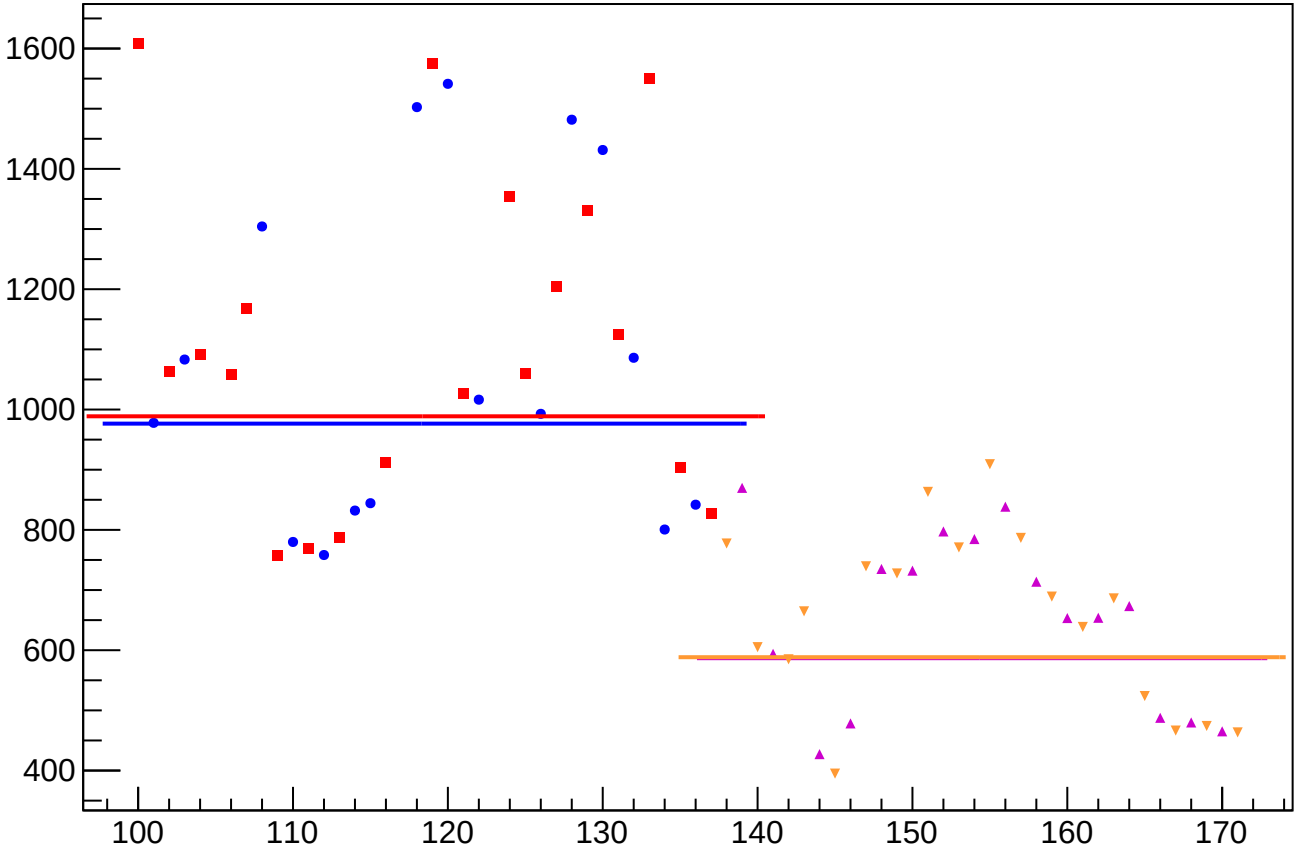
Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: -147.953+/-152.238 χ^2/NDF:38.5/31

Out: -470.149+/-147.929 χ^2/NDF:88.3/36

All: -313.676+/-106.092 χ^2/NDF: 129.1/68

asym_sam_37_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 588.376+/-0.114 χ^2/NDF:1613157.1/17

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 586.743+/-0.118 χ^2/NDF:1377112.5/15

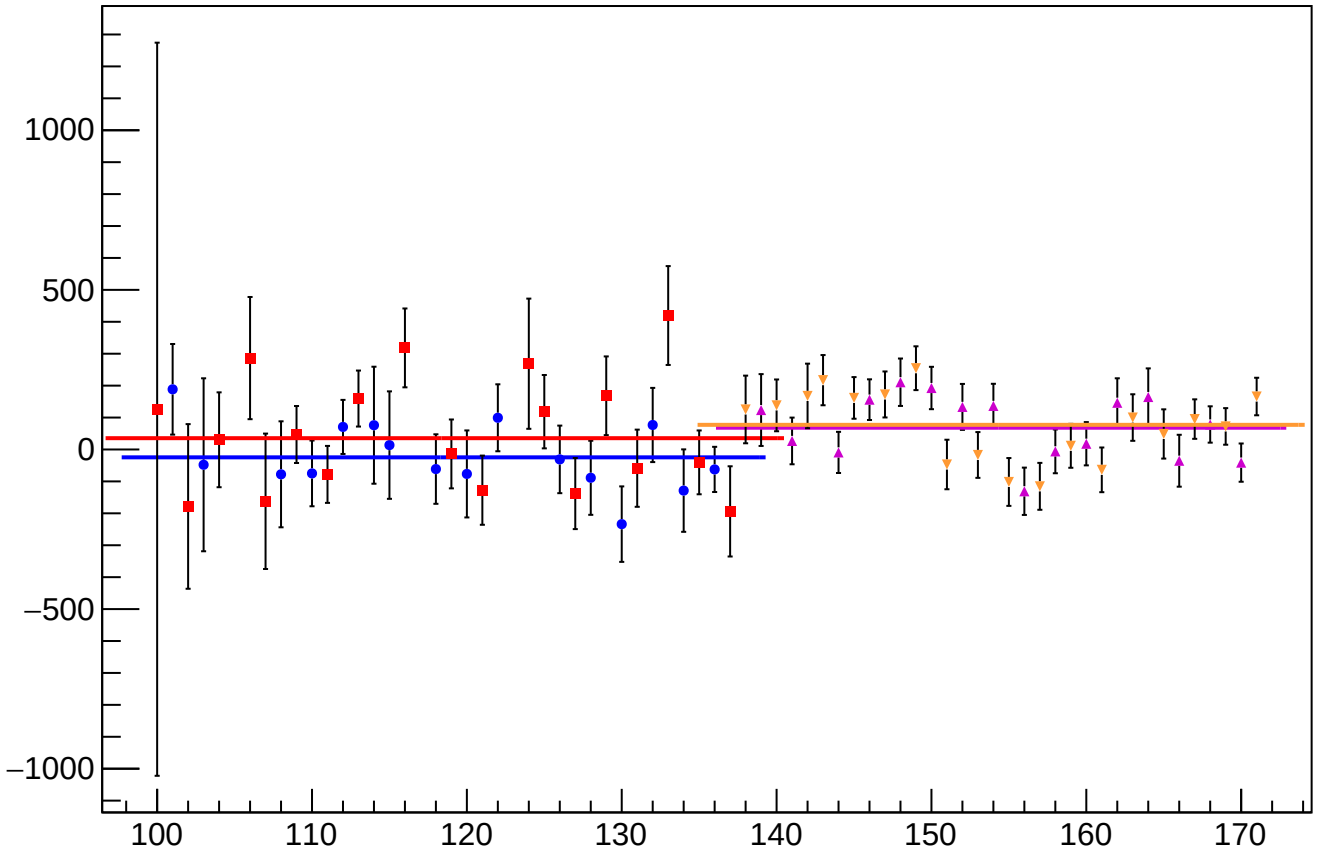
Left: 587.586+/-0.082 χ^2/NDF: 2990368.8/33

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 650.983+/-0.108 χ^2/NDF:3918676.9/31

Out: 651.609+/-0.105 χ^2/NDF:4277342.4/36

All: 651.305+/-0.075 χ^2/NDF: 8196036.7/68



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: 68.150+/-17.655 χ^2/NDF:29.0/15

Left: 72.861+/-12.217 χ^2/NDF: 68.4/33

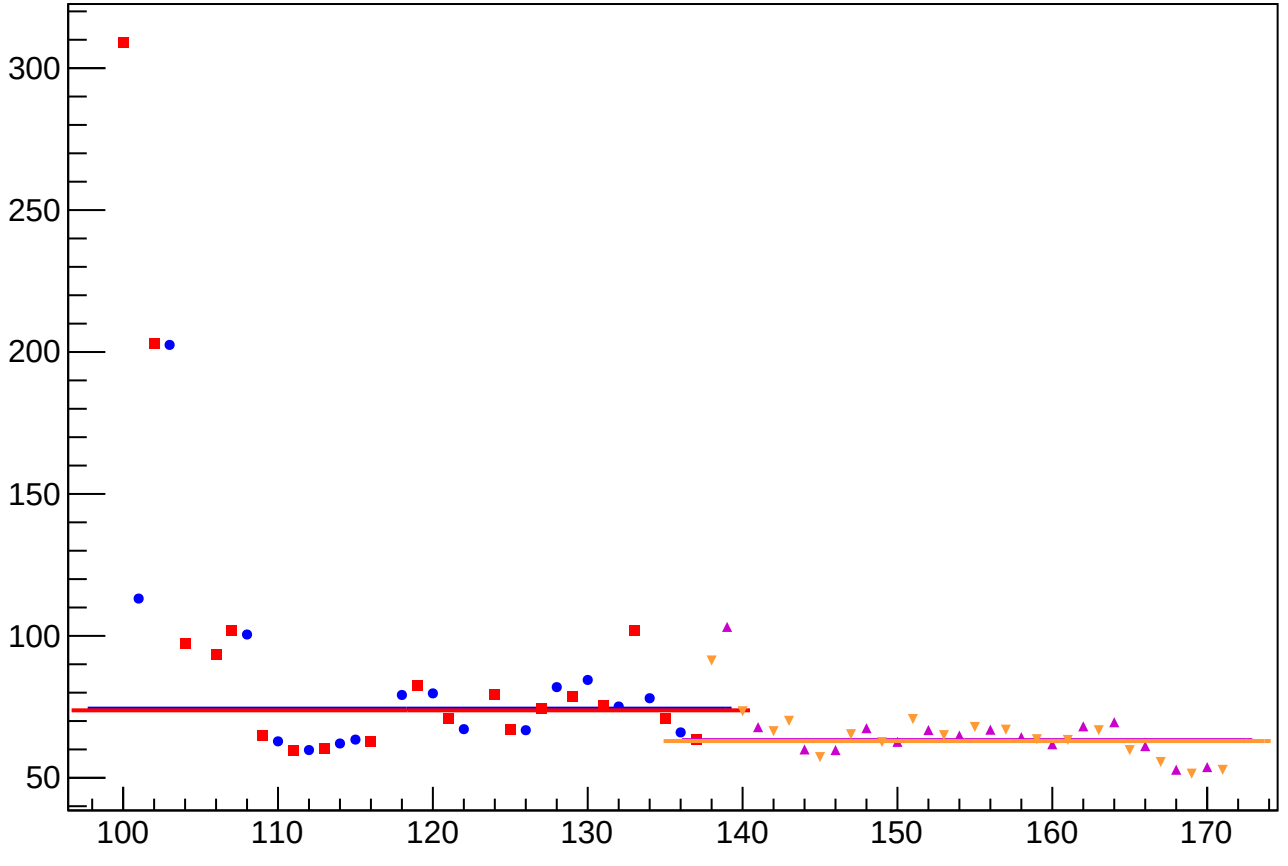
Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.948+/-15.068 χ^2/NDF:47.5/31

Out: 66.268+/-14.545 χ^2/NDF:70.9/36

All: 55.020+/-10.465 χ^2/NDF: 119.7/68

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: 63.282+/-0.012 χ^2/NDF:425822.3/15

Left: 63.111+/-0.009 χ^2/NDF: 852964.3/33

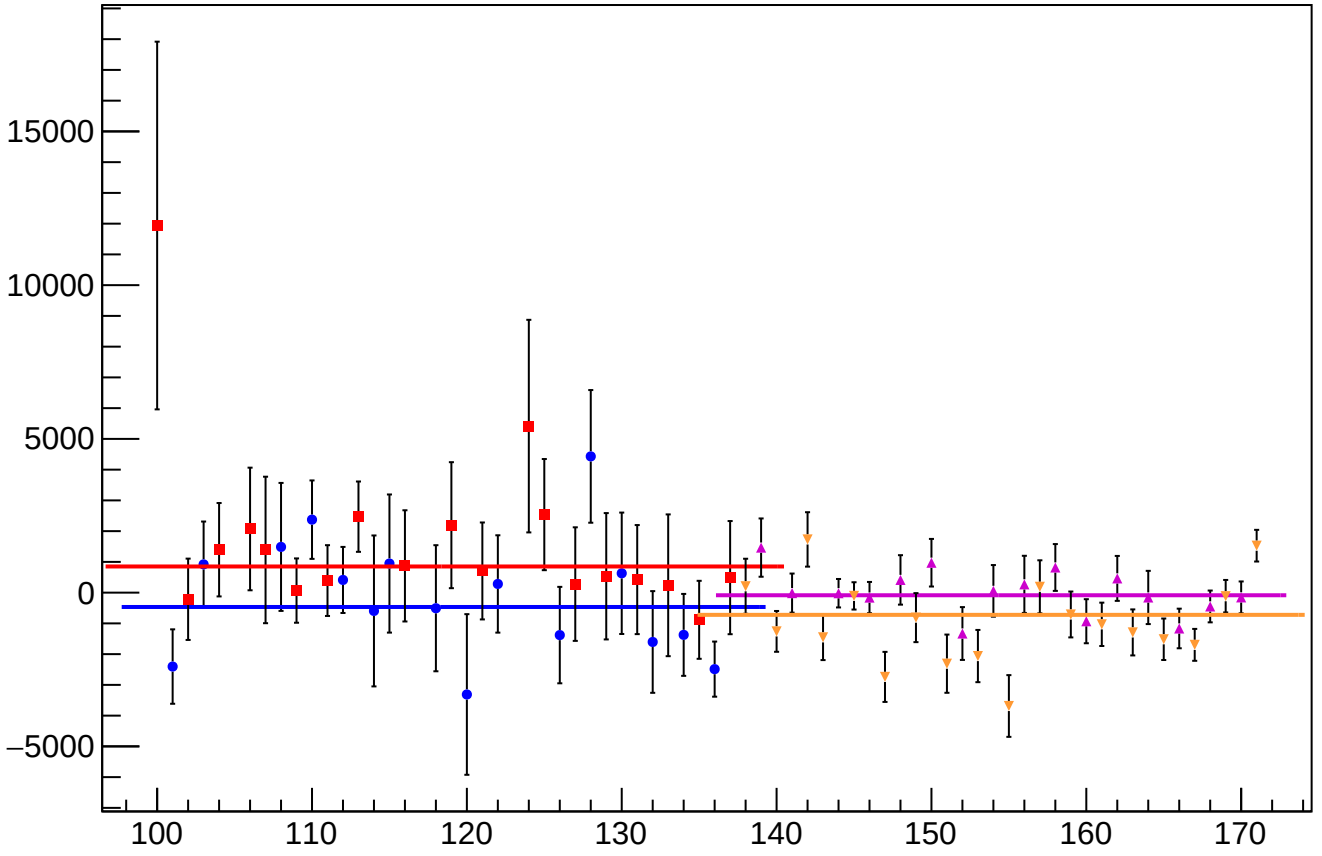
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 66.293+/-0.011 χ^2/NDF:1467630.5/31

Out: 65.780+/-0.010 χ^2/NDF:1568525.3/36

All: 66.028+/-0.007 χ^2/NDF: 3037356.1/68

asym_sam_37_avg_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: -85.101+/-166.581 χ^2/NDF:14.0/15

Left: -414.246+/-115.843 χ^2/NDF: 81.2/33

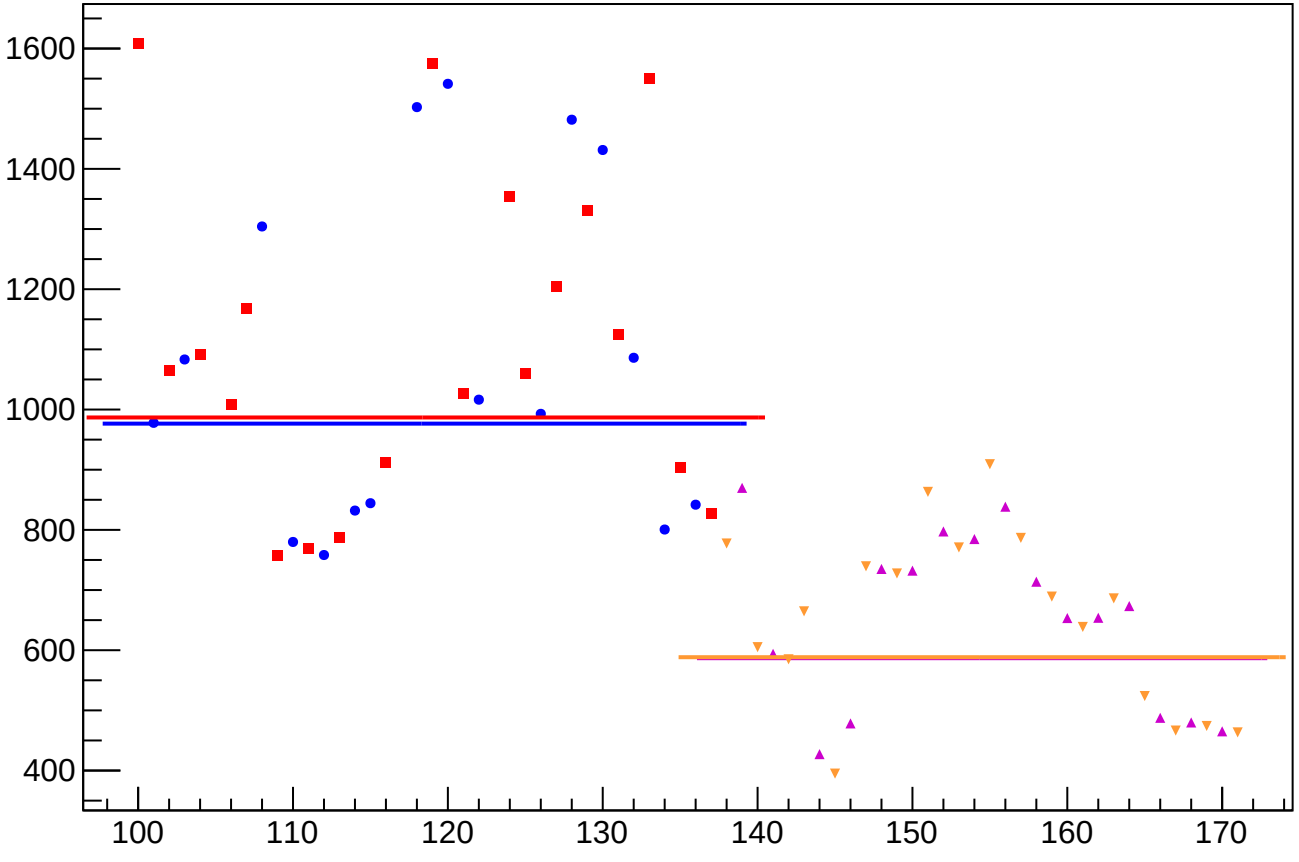
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -147.950+/-152.239 χ^2/NDF:38.5/31

Out: -474.986+/-147.982 χ^2/NDF:87.3/36

All: -316.104+/-106.112 χ^2/NDF: 128.2/68

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: 586.743+/-0.118 χ^2/NDF:1377112.9/15

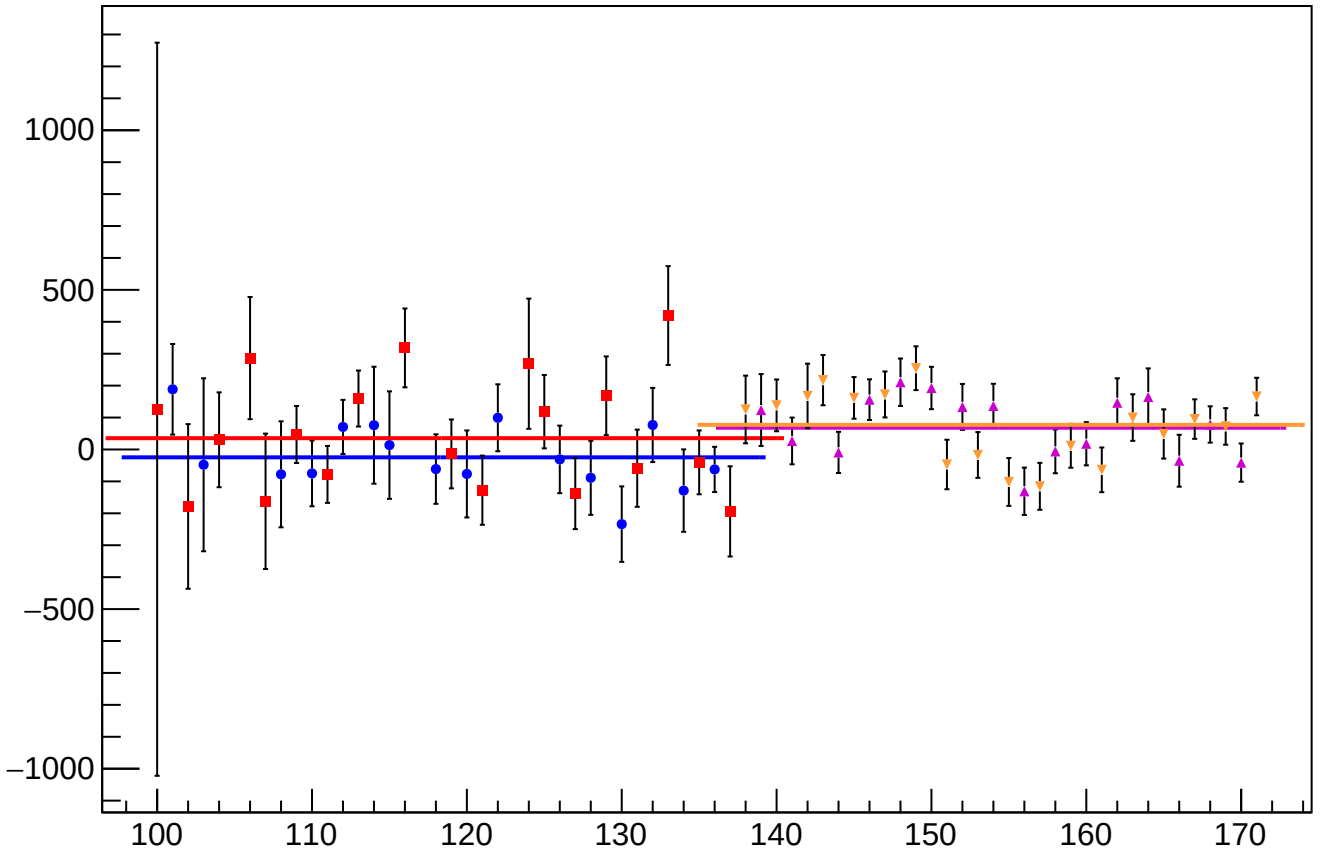
Left: 587.586+/-0.082 χ^2/NDF: 2990371.8/33

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 650.983+/-0.108 χ^2/NDF:3918734.5/31

Out: 651.060+/-0.105 χ^2/NDF:4248696.7/36

All: 651.022+/-0.075 χ^2/NDF: 8167431.5/68



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: 68.150+/-17.655 χ^2/NDF:29.0/15

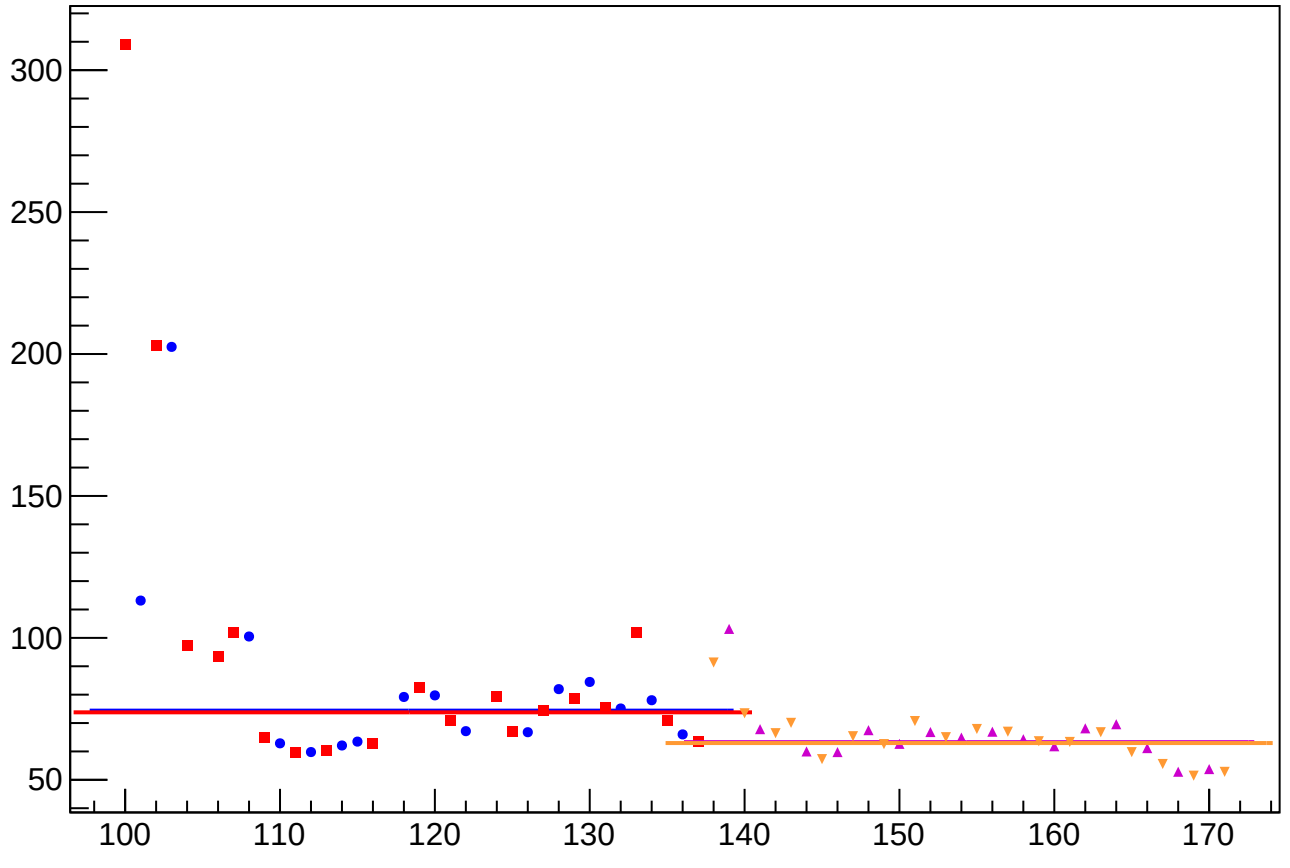
Left: 72.861+/-12.217 χ^2/NDF: 68.4/33

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 42.948+/-15.068 χ^2/NDF:47.5/31

Out: 66.268+/-14.545 χ^2/NDF:70.9/36

All: 55.020+/-10.465 χ^2/NDF: 119.7/68



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: 63.282+/-0.012 χ^2/NDF:425822.3/15

Left: 63.111+/-0.009 χ^2/NDF: 852964.3/33

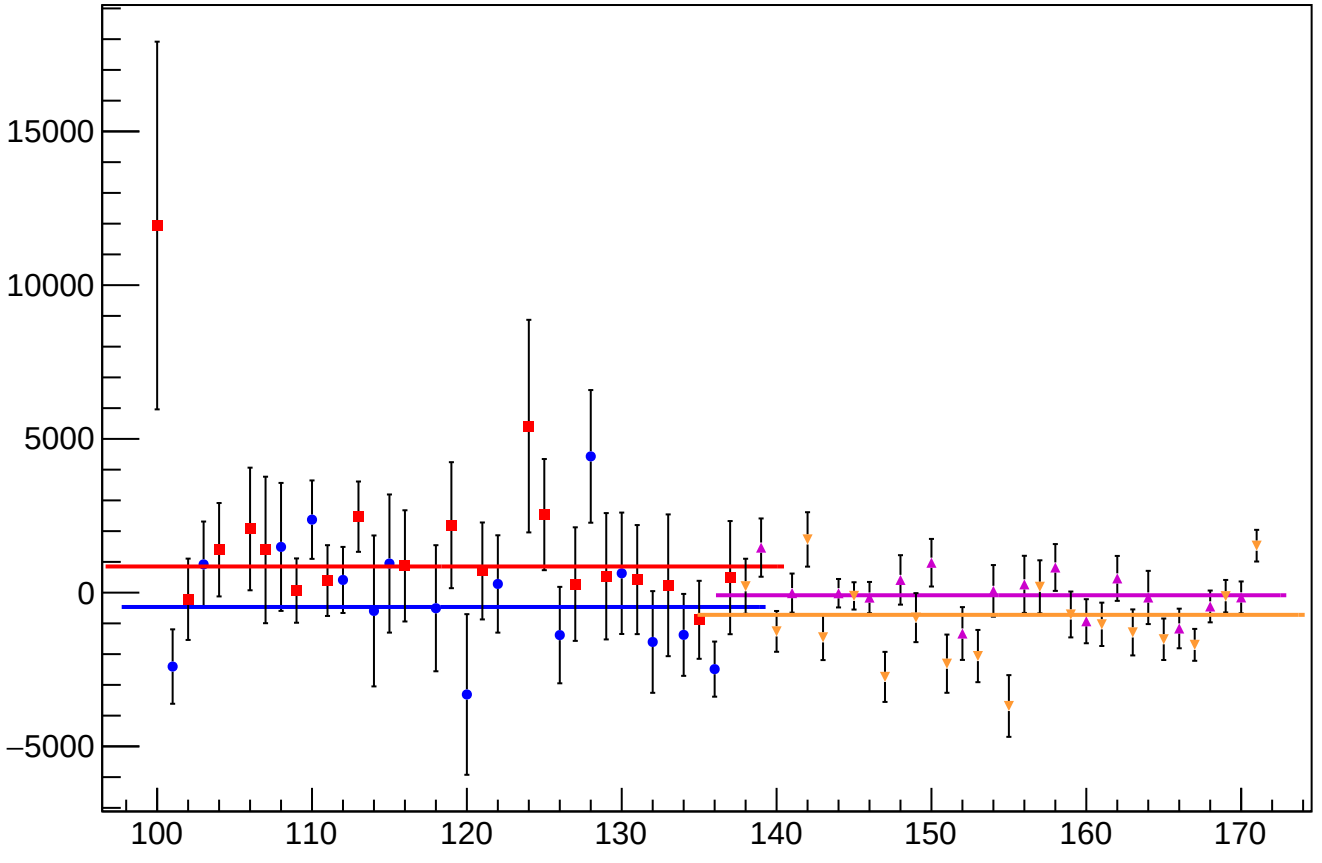
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 66.293+/-0.011 χ^2/NDF:1467630.5/31

Out: 65.780+/-0.010 χ^2/NDF:1568525.3/36

All: 66.028+/-0.007 χ^2/NDF: 3037356.1/68

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: -85.101+/-166.581 χ^2/NDF:14.0/15

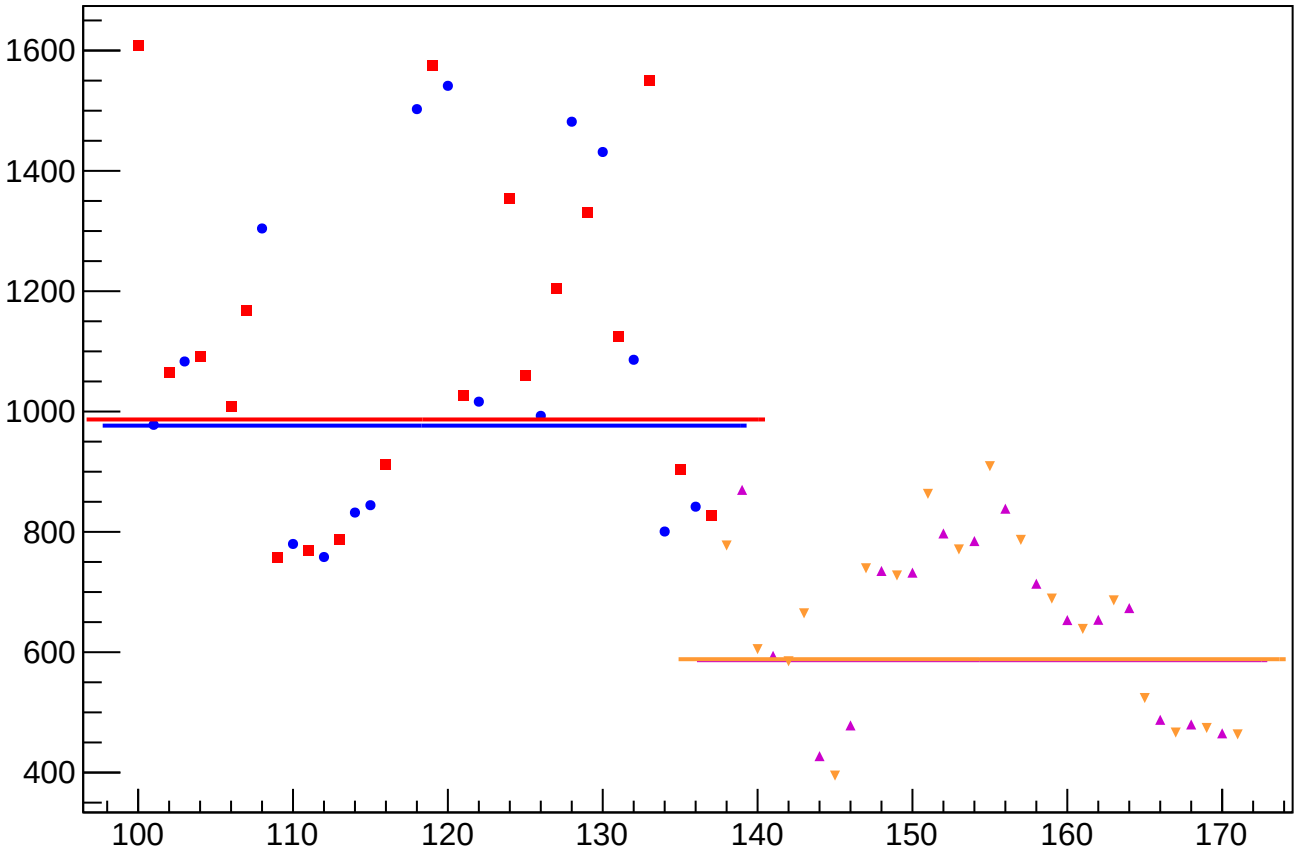
Left: -414.246+/-115.843 χ^2/NDF: 81.2/33

Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: -147.950+/-152.239 χ^2/NDF:38.5/31

Out: -474.986+/-147.982 χ^2/NDF:87.3/36

All: -316.104+/-106.112 χ^2/NDF: 128.2/68



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: 586.743+/-0.118 χ^2/NDF:1377112.9/15

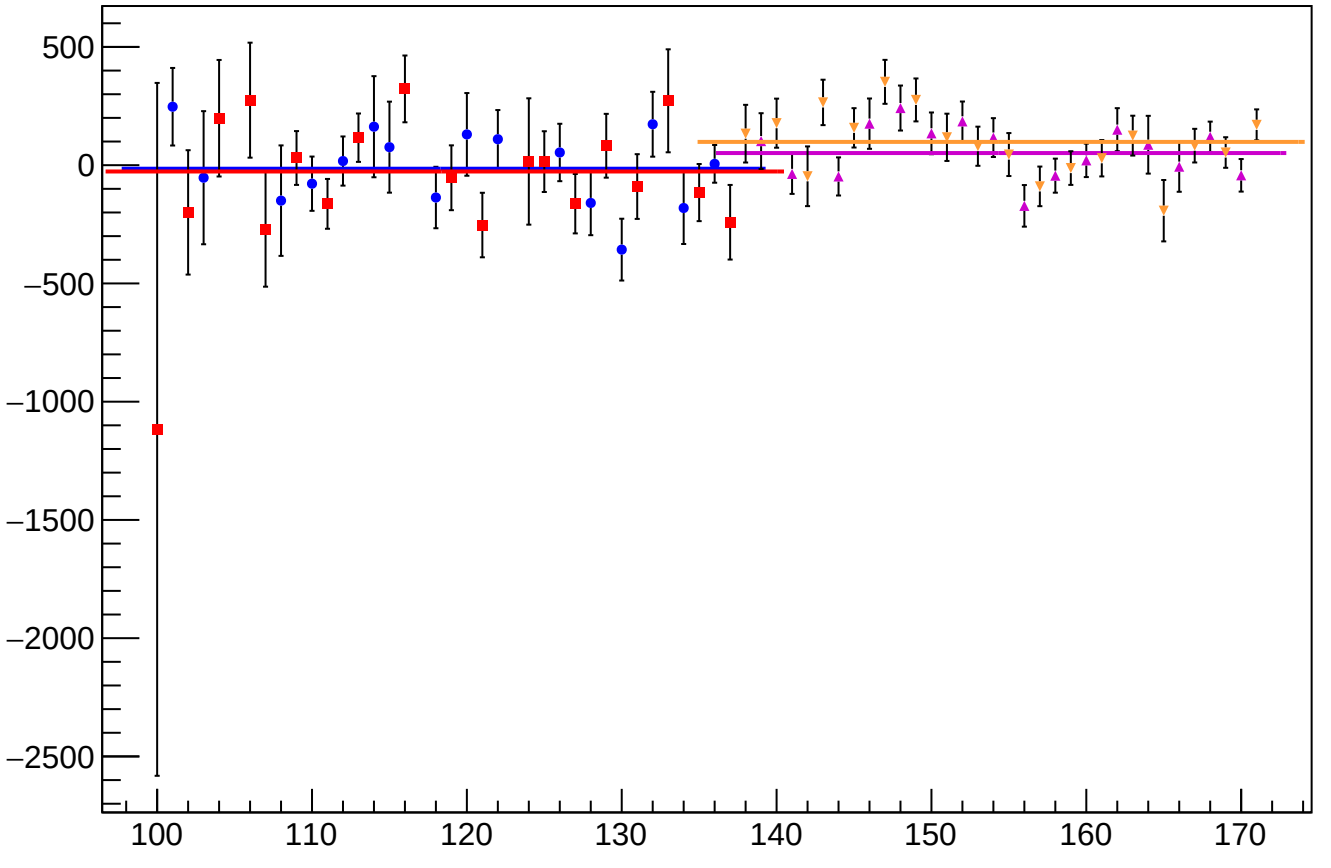
Left: 587.586+/-0.082 χ^2/NDF: 2990371.8/33

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 650.983+/-0.108 χ^2/NDF:3918734.5/31

Out: 651.060+/-0.105 χ^2/NDF:4248696.7/36

All: 651.022+/-0.075 χ^2/NDF: 8167431.5/68



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: 51.301+/-21.149 χ^2/NDF:25.2/15

Left: 76.008+/-14.593 χ^2/NDF: 60.2/33

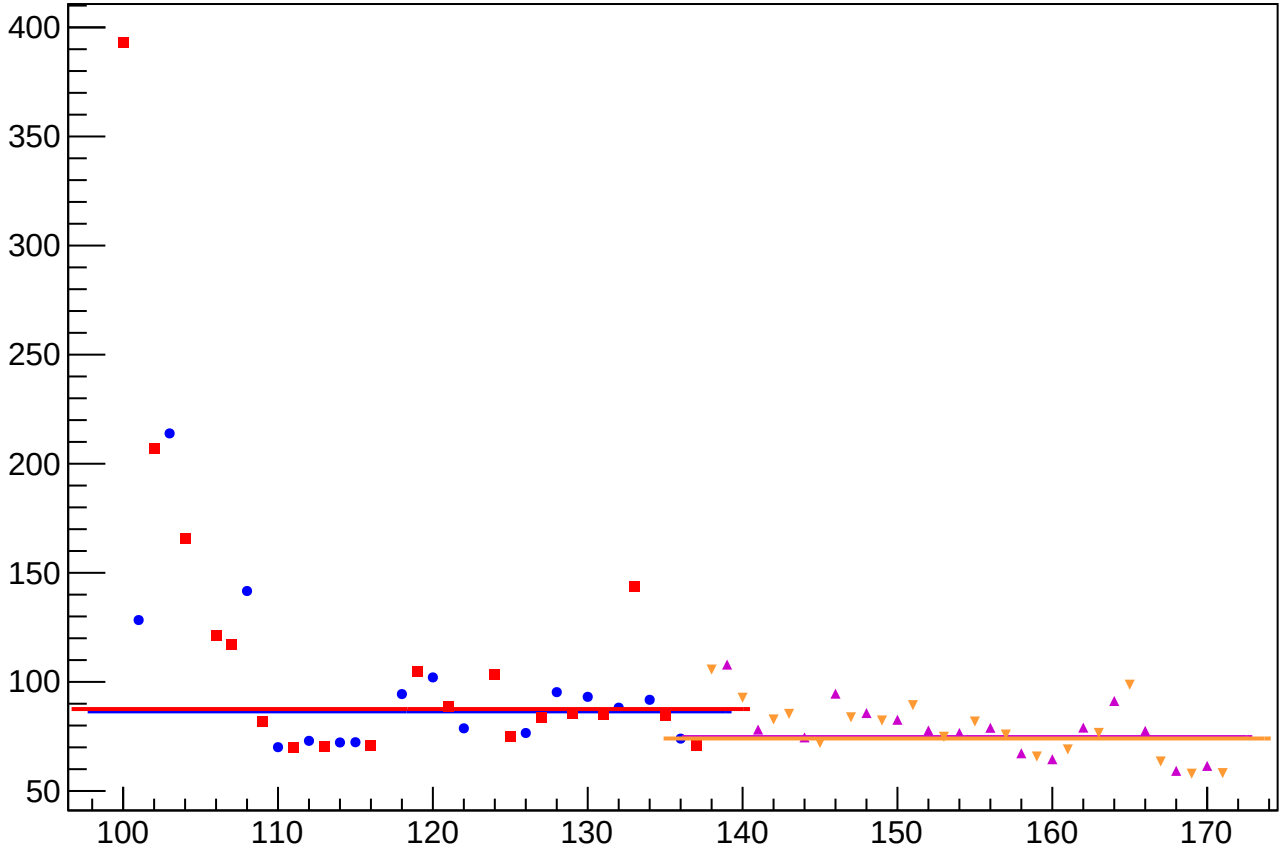
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 32.630+/-17.923 χ^2/NDF:46.2/31

Out: 66.015+/-17.353 χ^2/NDF:66.0/36

All: 49.861+/-12.467 χ^2/NDF: 114.0/68

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: 74.715+/-0.015 χ^2/NDF:578672.6/15

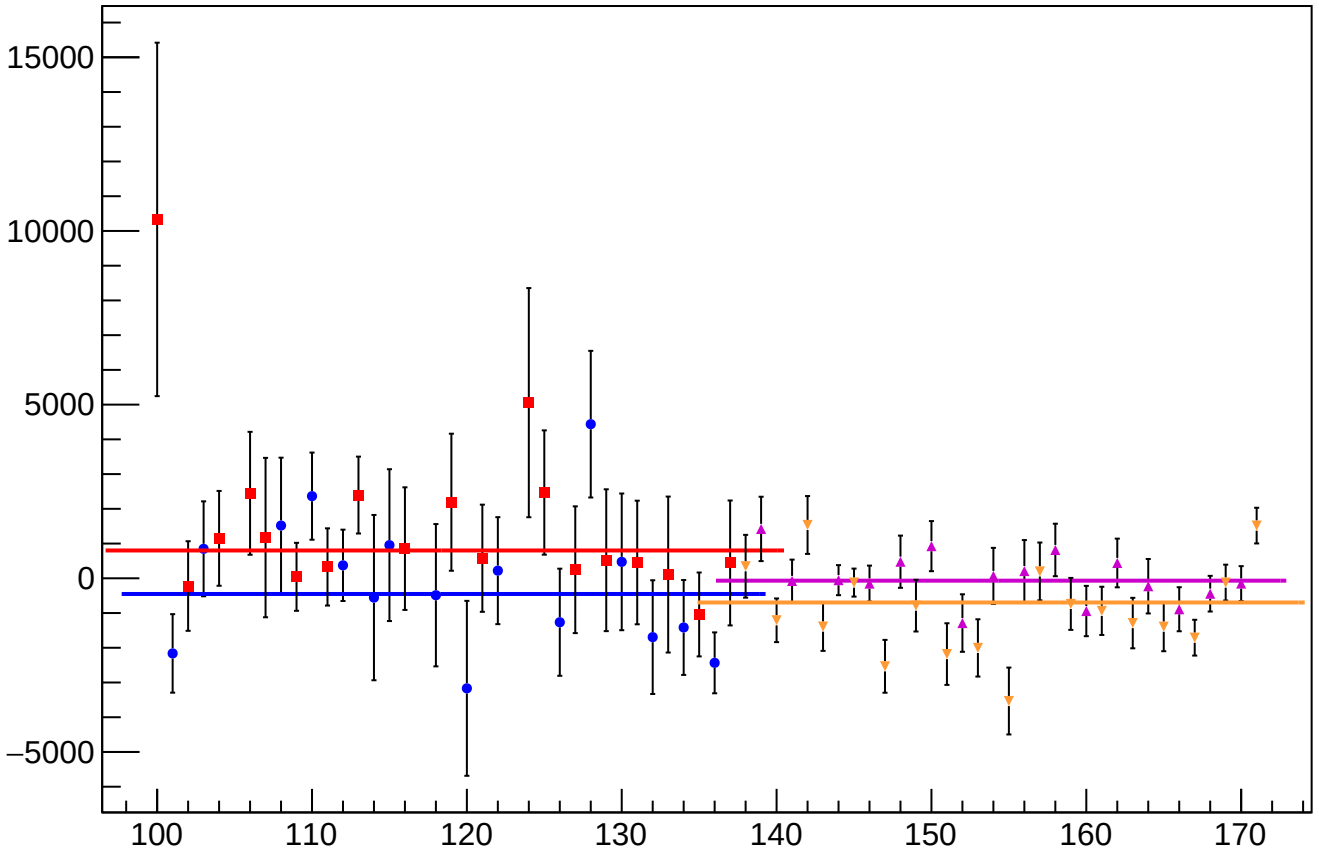
Left: 74.371+/-0.010 χ^2/NDF: 1313178.6/33

Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 78.033+/-0.013 χ^2/NDF:1609634.3/31

Out: 77.559+/-0.012 χ^2/NDF:2095698.6/36

All: 77.788+/-0.009 χ^2/NDF: 3706055.9/68



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -696.308+/-155.676 χ^2/NDF:58.6/17

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: -68.352+/-161.341 χ^2/NDF:13.0/15

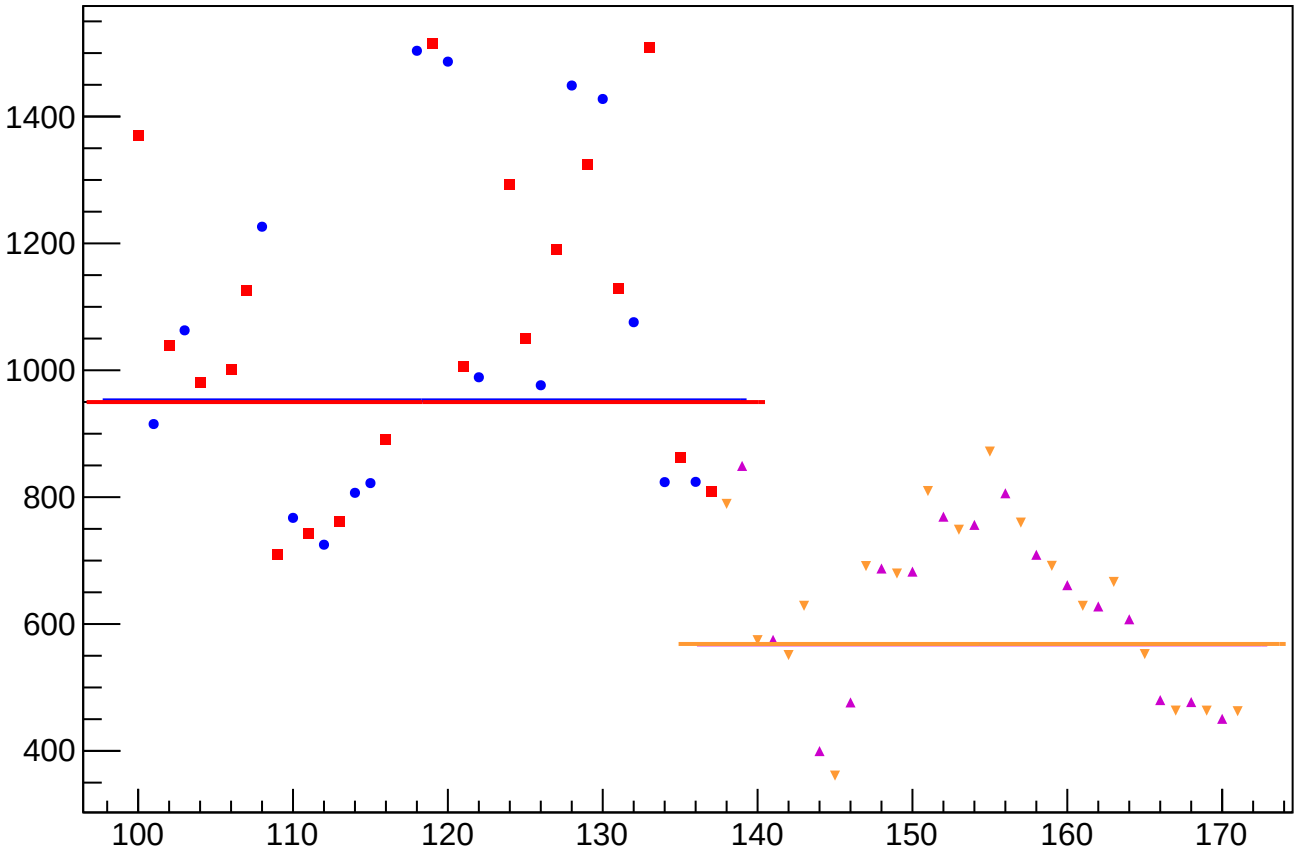
Left: -393.547+/-112.029 χ^2/NDF: 79.4/33

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: -130.786+/-147.607 χ^2/NDF:37.6/31

Out: -458.017+/-142.754 χ^2/NDF:87.0/36

All: -299.869+/-102.615 χ^2/NDF: 127.1/68



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: 567.954+/-0.114 χ^2/NDF:1353607.8/15

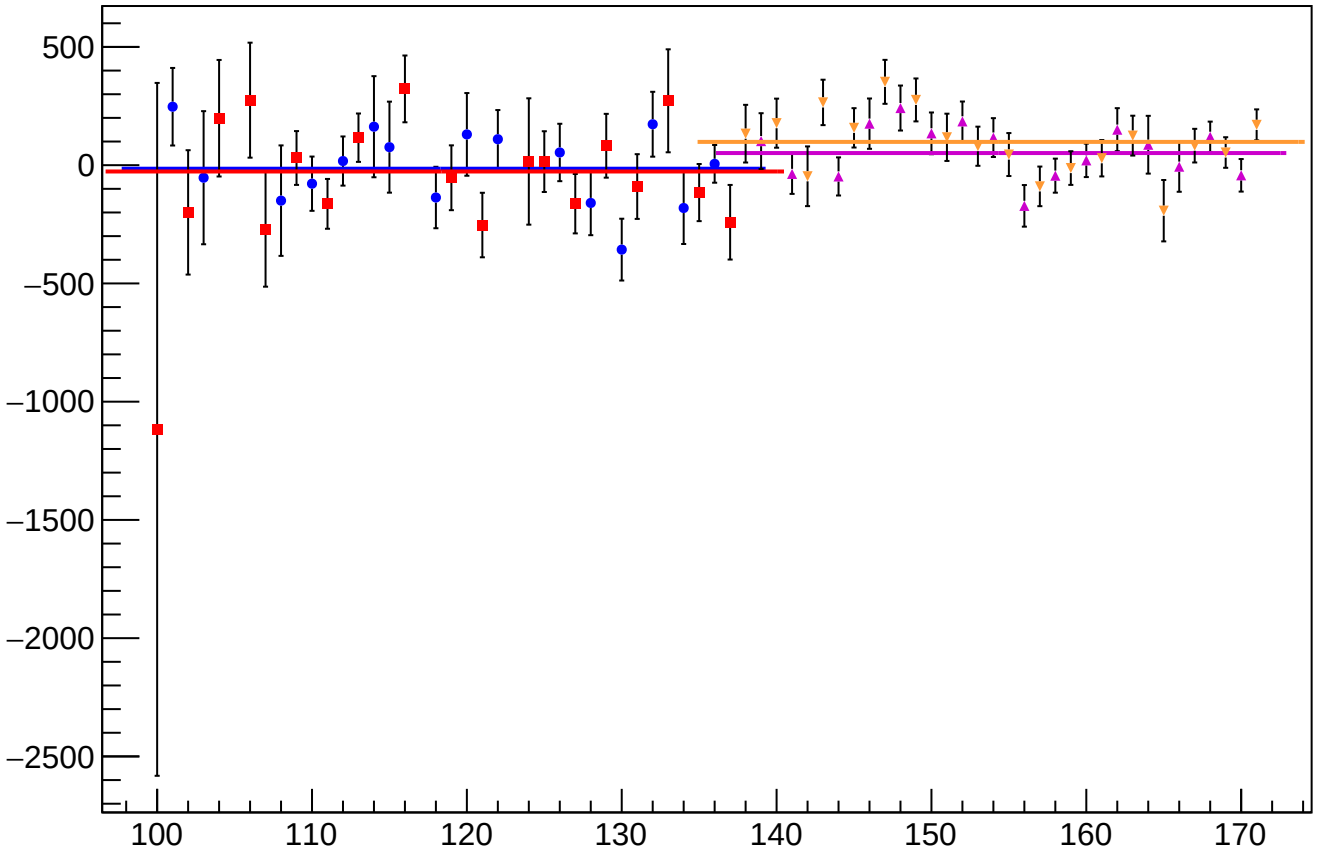
Left: 568.277+/-0.079 χ^2/NDF: 3020210.8/33

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 630.644+/-0.104 χ^2/NDF:3952382.3/31

Out: 629.254+/-0.101 χ^2/NDF:4327613.3/36

All: 629.926+/-0.073 χ^2/NDF: 8280087.1/68



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: 51.300+/-21.149 χ^2/NDF:25.2/15

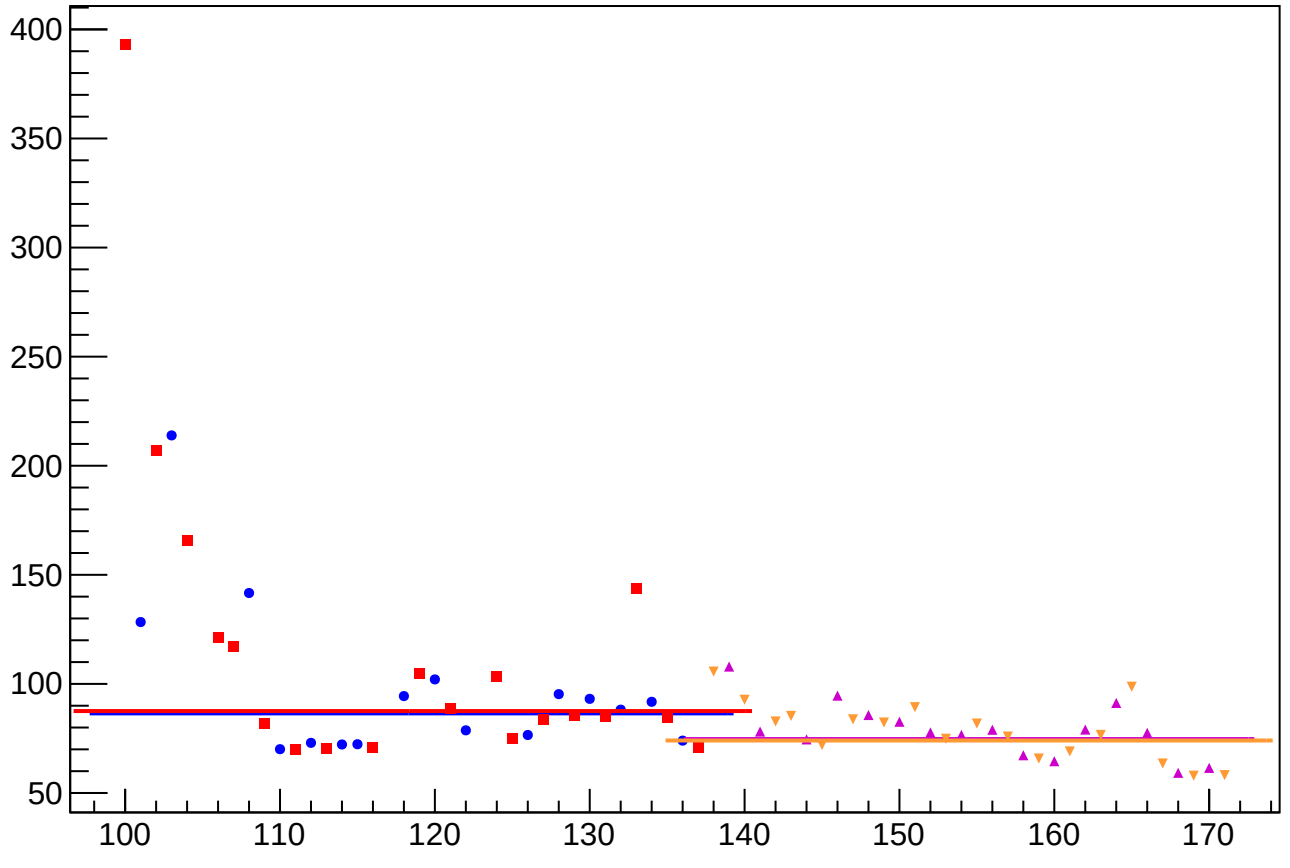
Left: 76.008+/-14.594 χ^2/NDF: 60.2/33

Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 32.629+/-17.923 χ^2/NDF:46.2/31

Out: 66.014+/-17.353 χ^2/NDF:66.0/36

All: 49.861+/-12.467 χ^2/NDF: 114.0/68



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: 74.715+/-0.015 χ^2/NDF:578677.9/15

Left: 74.371+/-0.010 χ^2/NDF: 1313193.3/33

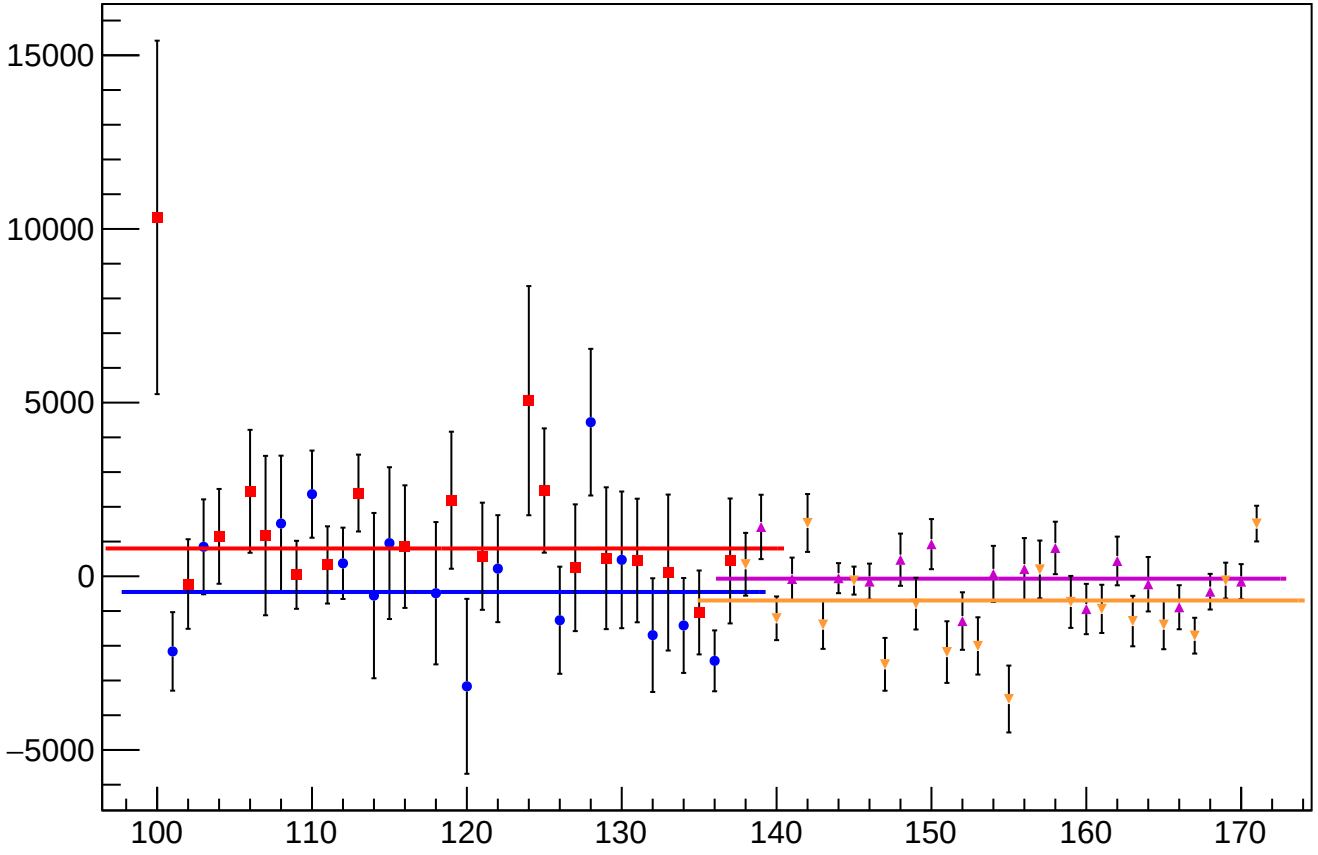
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 78.033+/-0.013 χ^2/NDF:1609633.9/31

Out: 77.559+/-0.012 χ^2/NDF:2095710.8/36

All: 77.788+/-0.009 χ^2/NDF: 3706067.7/68

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: -68.353+/-161.341 χ^2/NDF:13.0/15

Left: -393.548+/-112.029 χ^2/NDF: 79.4/33

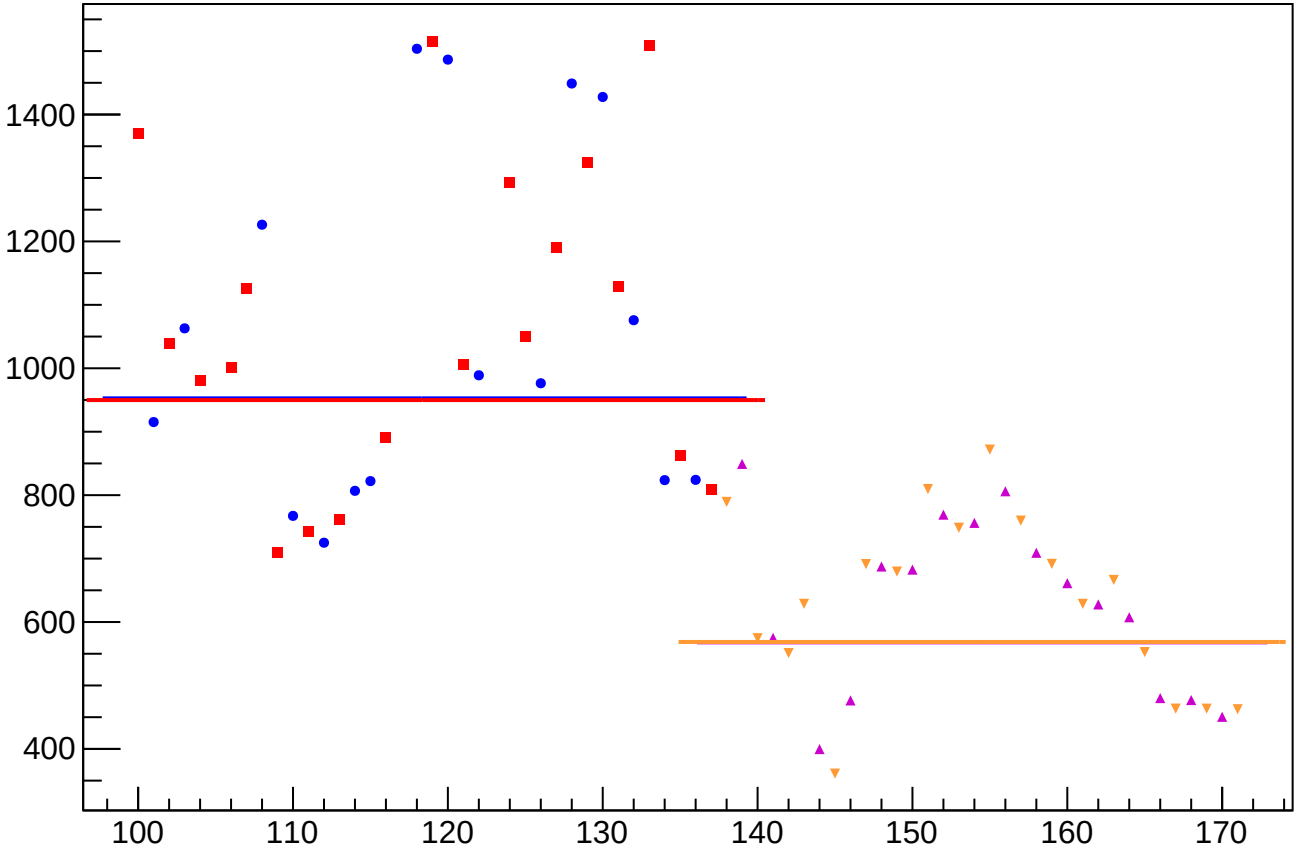
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: -130.786+/-147.607 χ^2/NDF:37.6/31

Out: -458.017+/-142.754 χ^2/NDF:87.0/36

All: -299.869+/-102.615 χ^2/NDF: 127.1/68

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: 567.954+/-0.114 χ^2/NDF:1353604.5/15

Left: 568.277+/-0.079 χ^2/NDF: 3020204.9/33

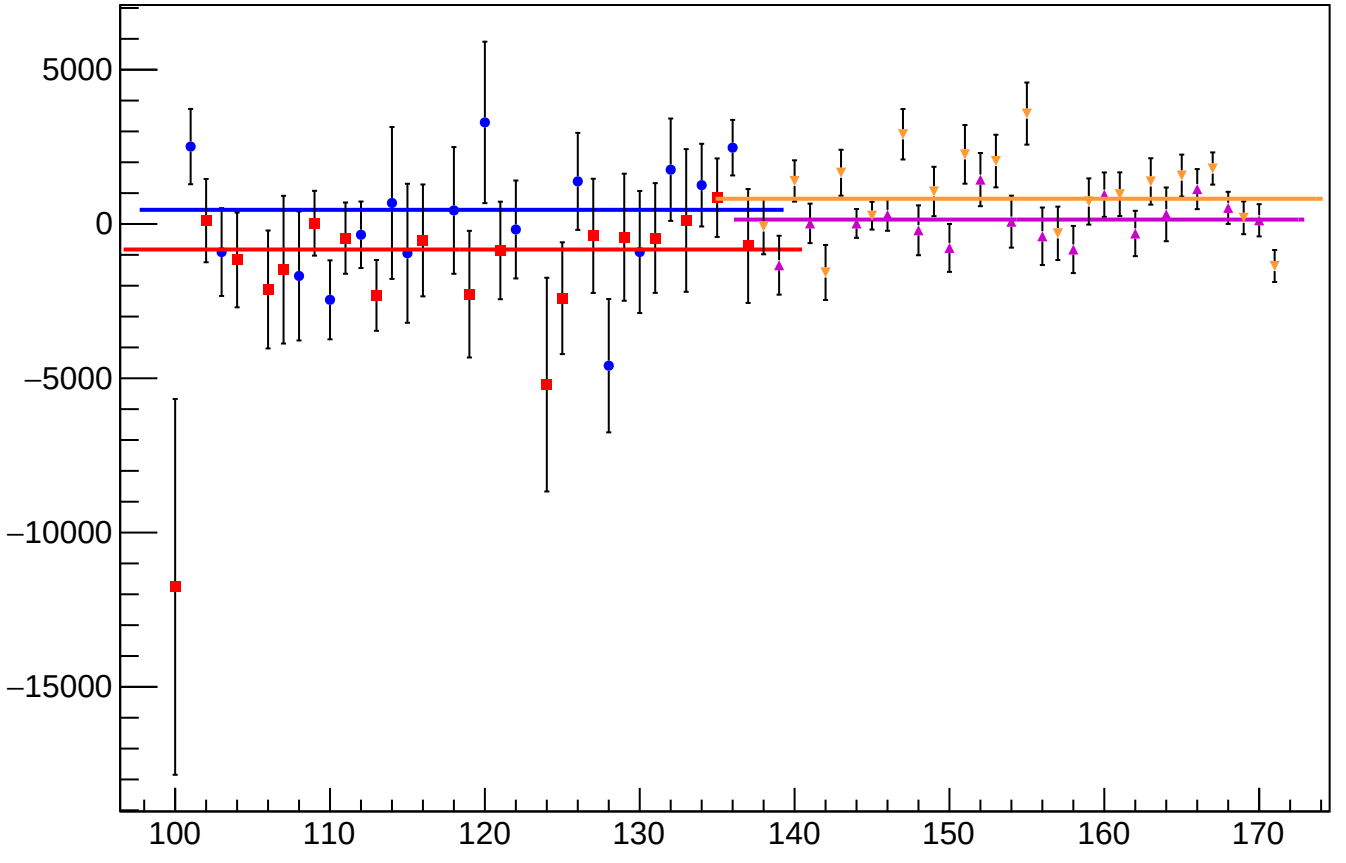
Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 630.643+/-0.104 χ^2/NDF:3952374.1/31

Out: 629.254+/-0.101 χ^2/NDF:4327603.6/36

All: 629.925+/-0.073 χ^2/NDF: 8280069.3/68

asym_sam_37_avg_mean vs Slug, Sign Corrected



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: 142.955+/-167.668 χ^2/NDF:12.9/15

Left: 491.866+/-116.589 χ^2/NDF: 77.5/33

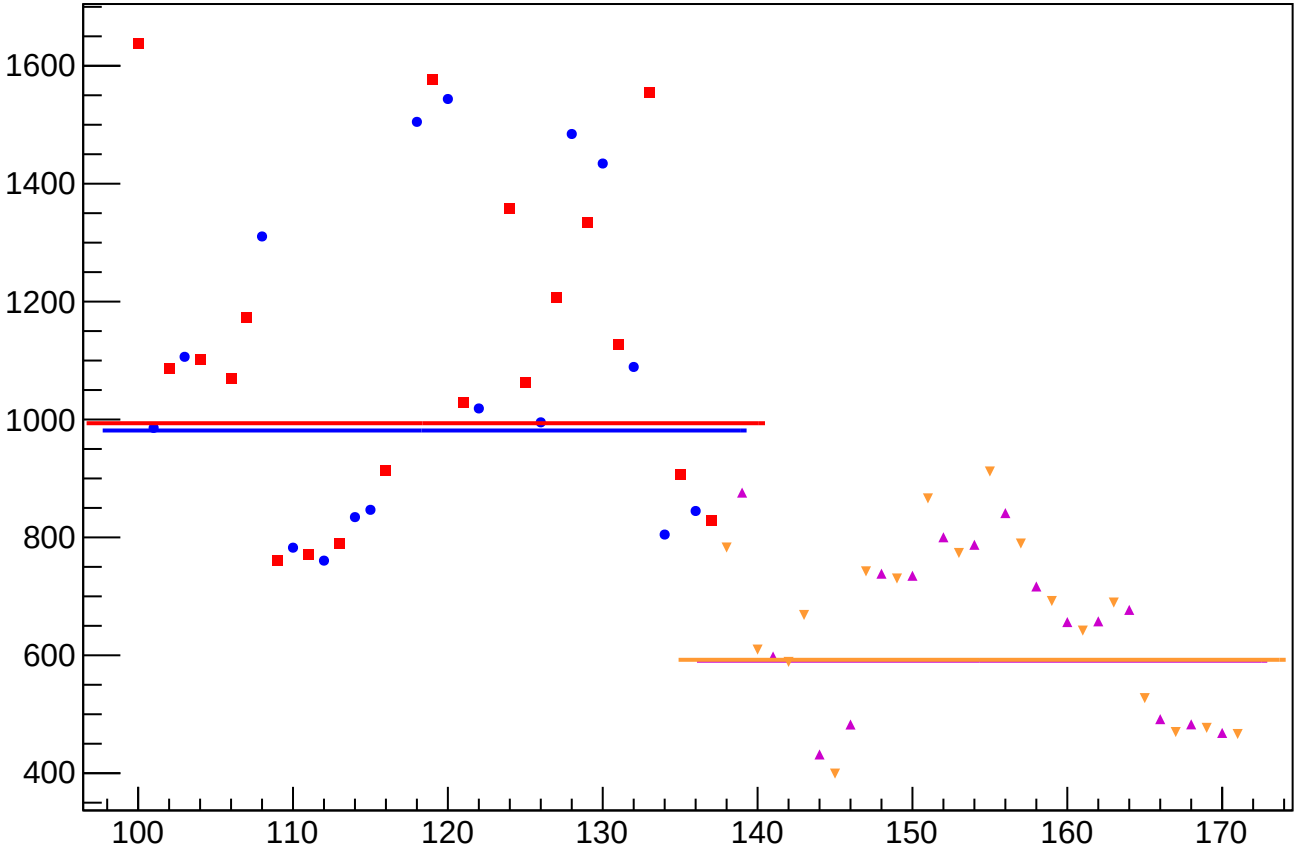
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 195.197+/-153.192 χ^2/NDF:38.1/31

Out: 558.287+/-148.847 χ^2/NDF:84.2/36

All: 381.964+/-106.754 χ^2/NDF: 125.1/68

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: 590.834+/-0.119 χ^2/NDF:1356314.9/15

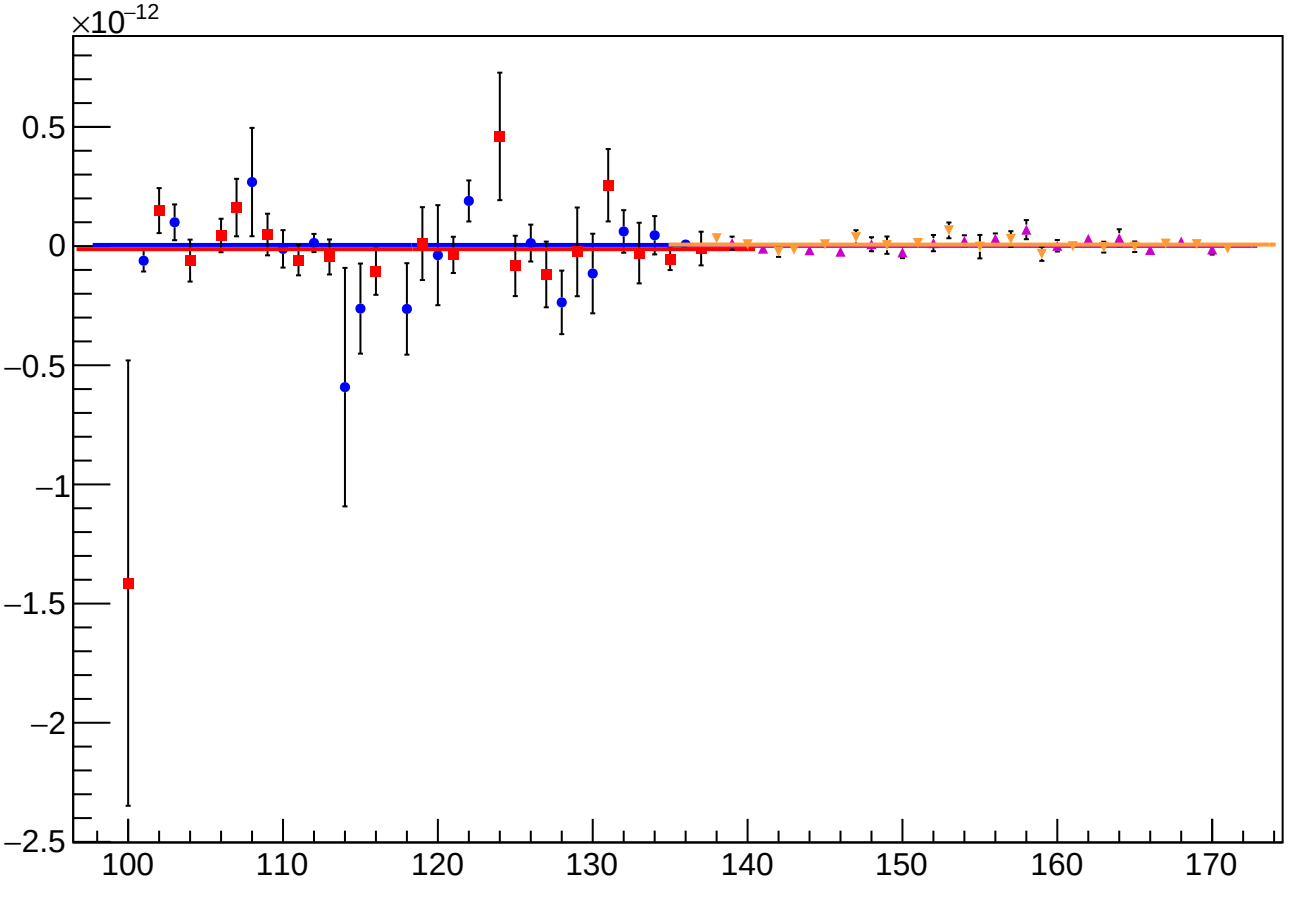
Left: 591.629+/-0.082 χ^2/NDF: 2945641.1/33

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 655.357+/-0.108 χ^2/NDF:3886544.0/31

Out: 655.855+/-0.105 χ^2/NDF:4245007.3/36

All: 655.614+/-0.075 χ^2/NDF: 8131562.1/68



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:18.1/15

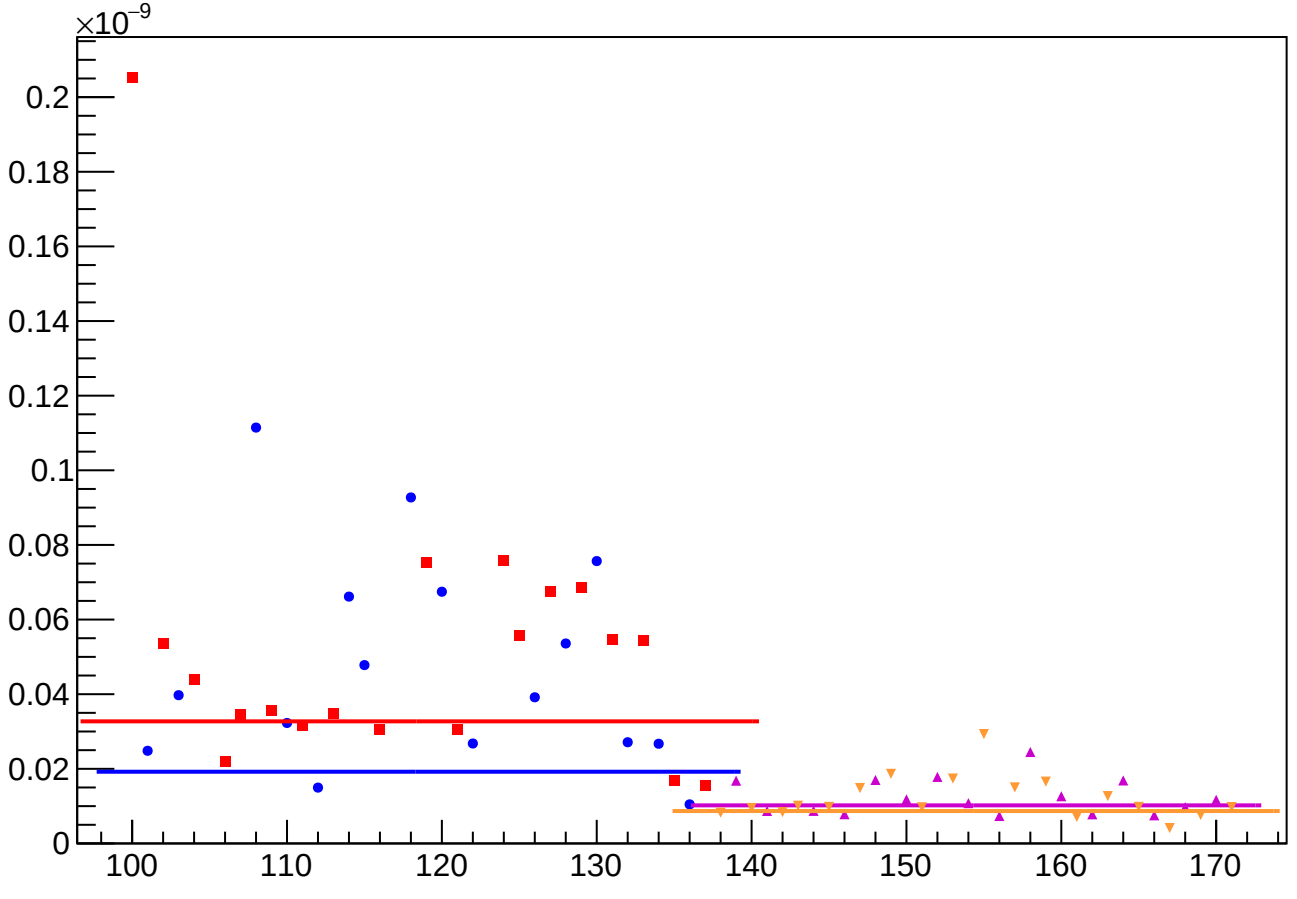
Left: 0.000+/-0.000 χ^2/NDF: 32.2/33

Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:37.8/31

Out: 0.000+/-0.000 χ^2/NDF:32.7/36

All: 0.000+/-0.000 χ^2/NDF: 71.0/68



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:892705.6/15

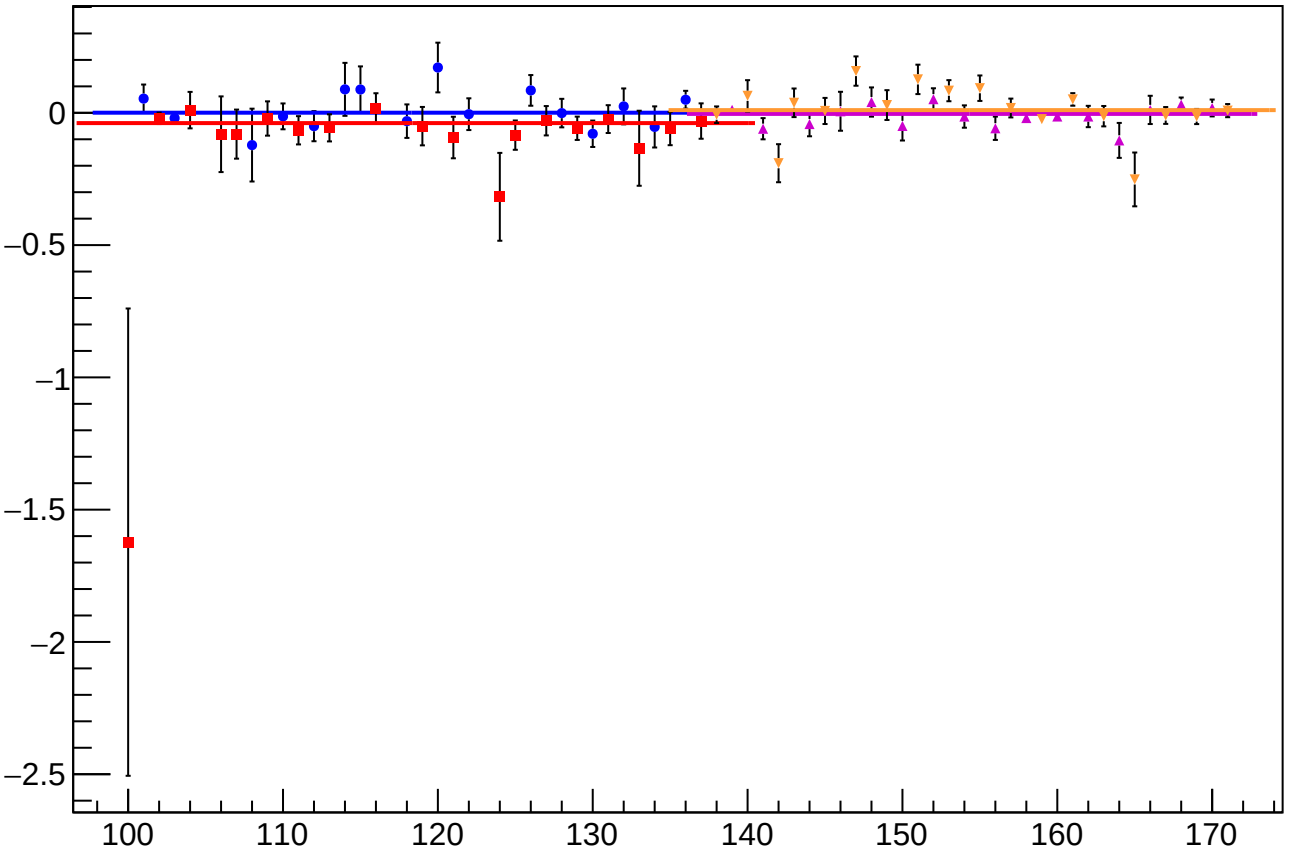
Left: 0.000+/-0.000 χ^2/NDF: 2616161.4/33

Right: 0.000+/-0.000 χ^2/NDF: 3729954.2/34

In: 0.000+/-0.000 χ^2/NDF:3560463.1/31

Out: 0.000+/-0.000 χ^2/NDF:5374256.8/36

All: 0.000+/-0.000 χ^2/NDF: 9041510.9/68



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: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.005 χ^2/NDF: 58.6/33

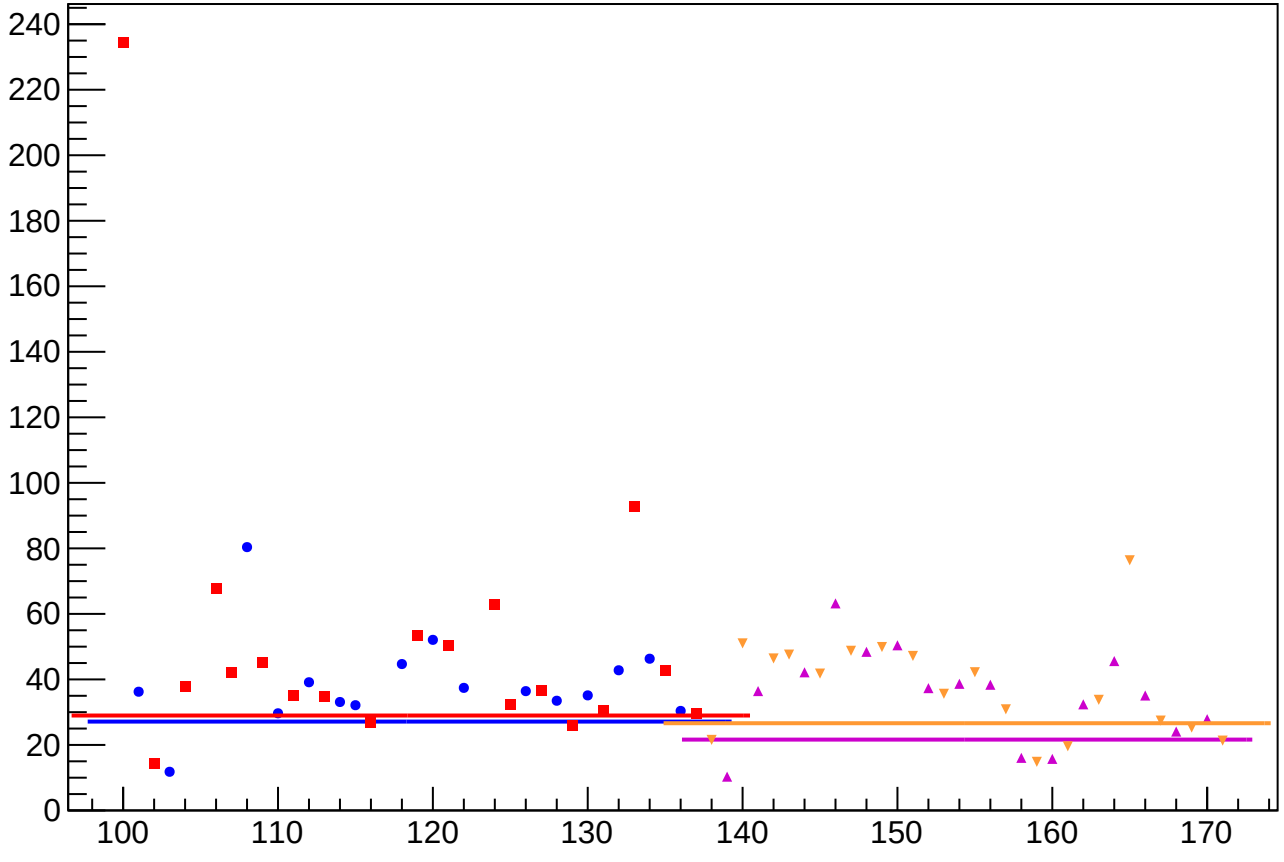
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 95.2/68

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: 21.627+/-0.005 χ^2/NDF:5681111.1/15

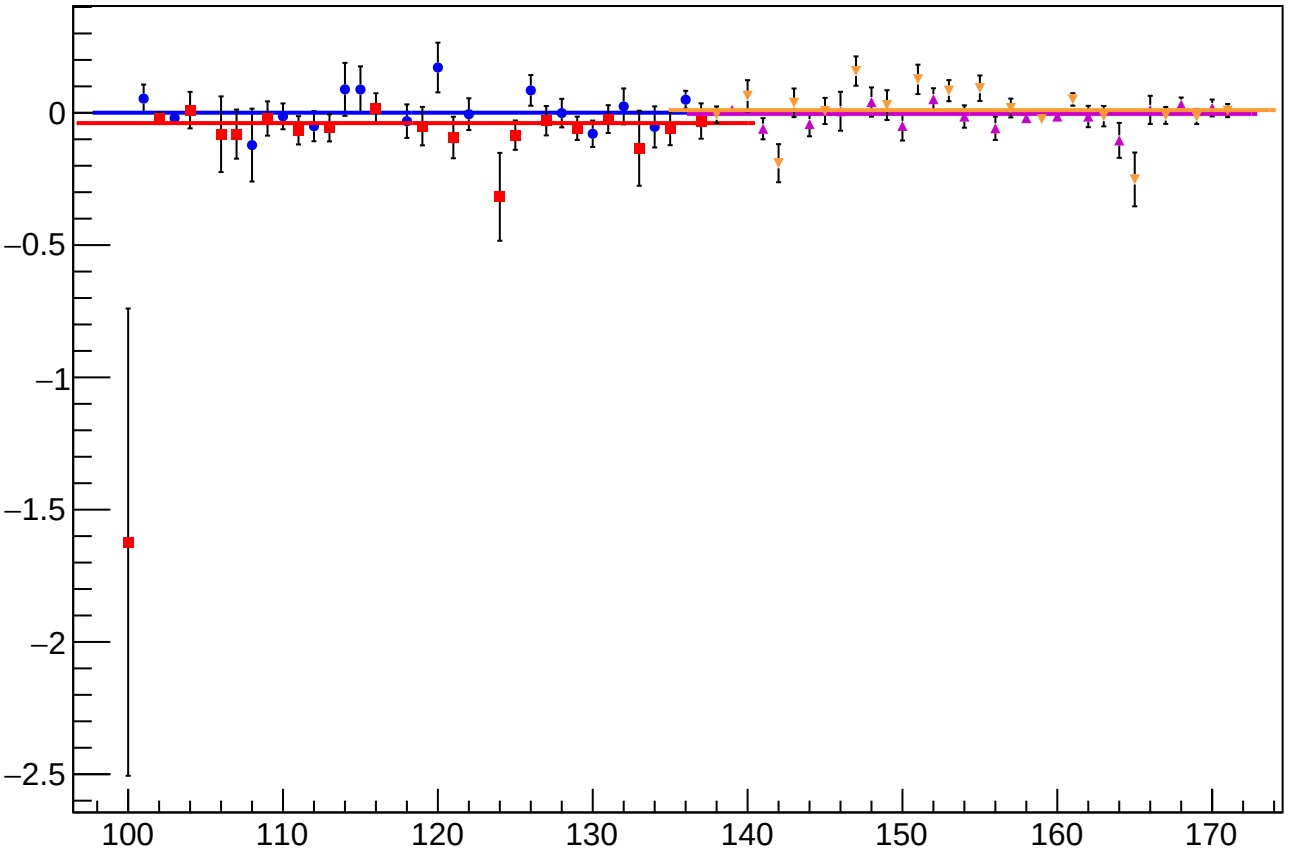
Left: 23.846+/-0.004 χ^2/NDF: 10252415.0/33

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.095+/-0.004 χ^2/NDF:8402853.5/31

Out: 27.316+/-0.005 χ^2/NDF:6655482.3/36

All: 25.005+/-0.003 χ^2/NDF: 15475719.3/68



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: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.005 χ^2/NDF: 58.6/33

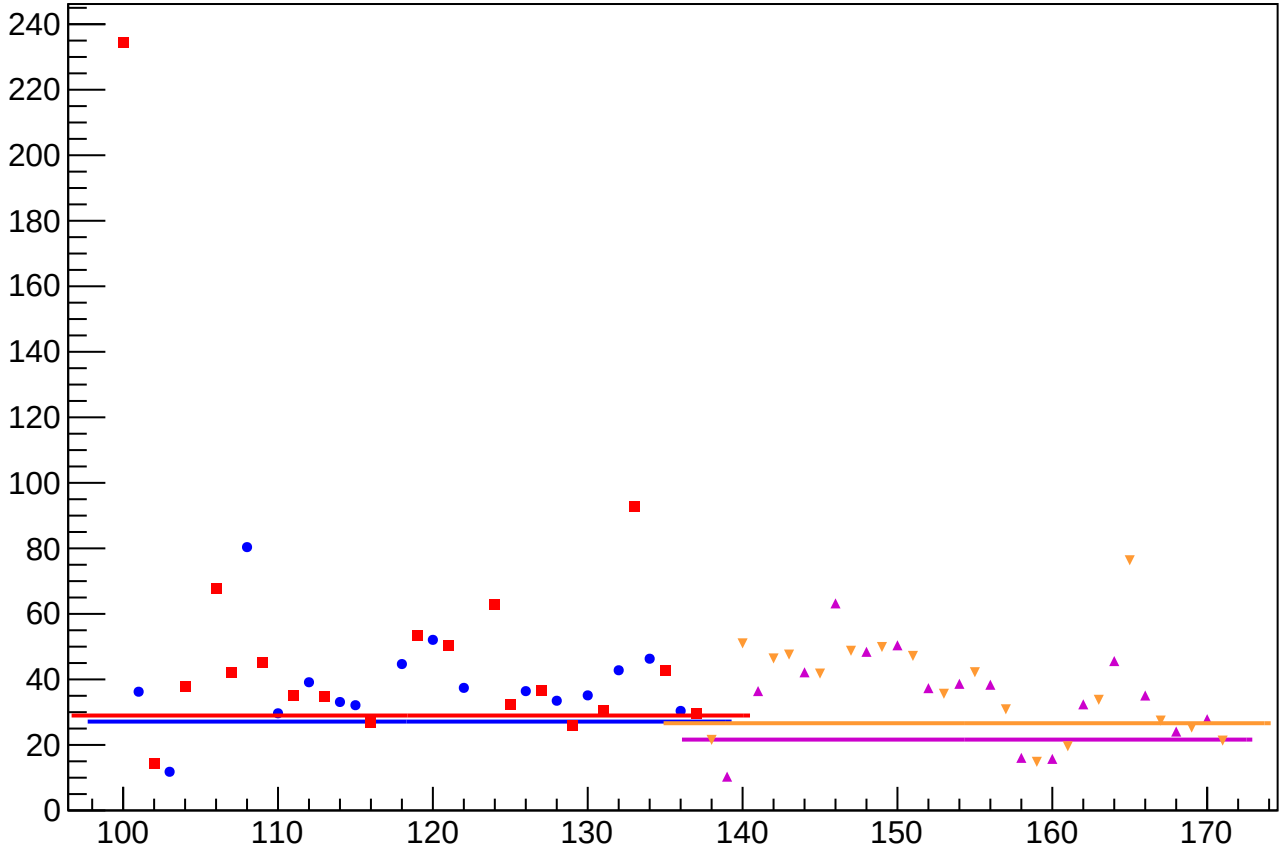
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 95.2/68

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: 21.627+/-0.005 χ^2/NDF:5681111.1/15

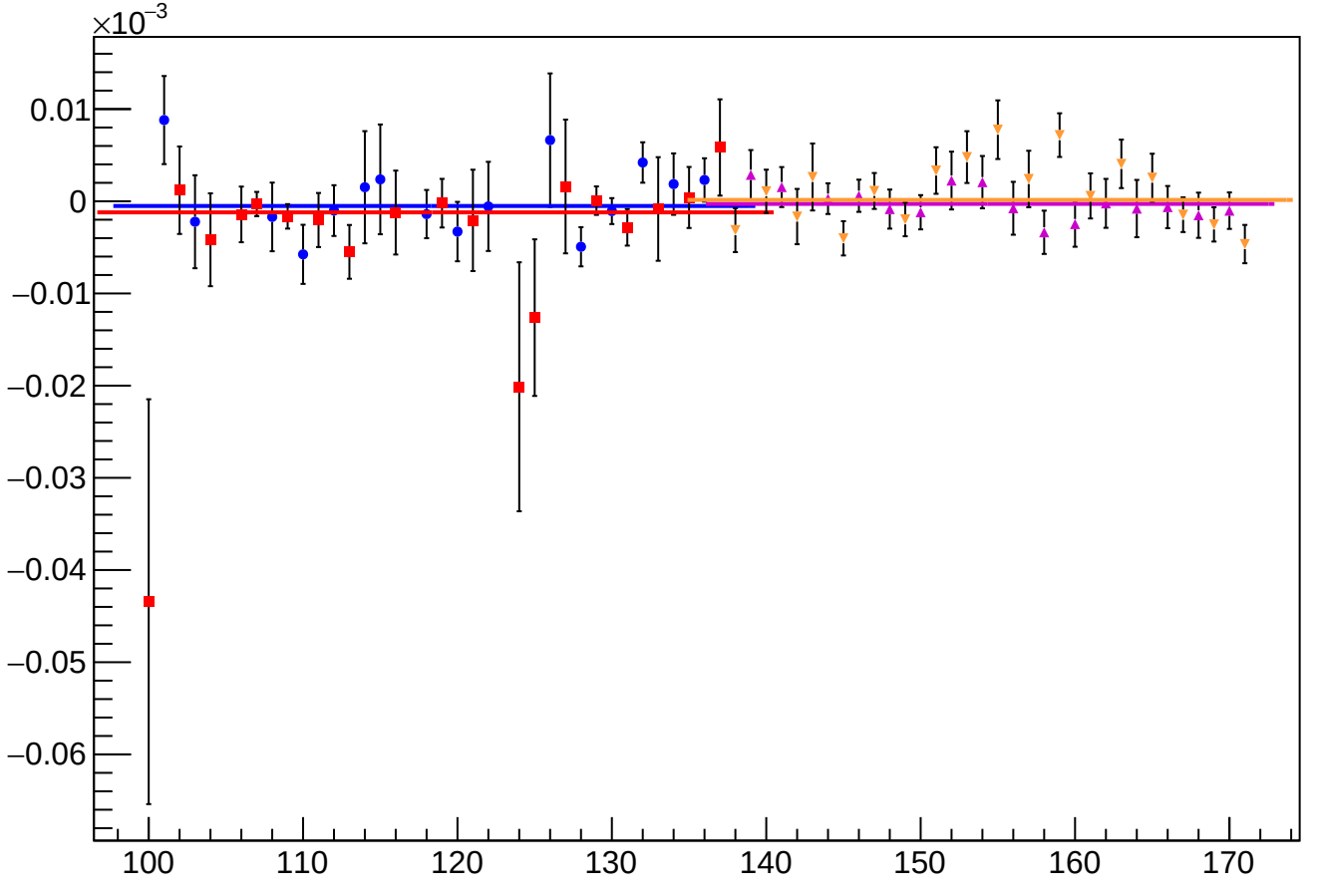
Left: 23.846+/-0.004 χ^2/NDF: 10252415.0/33

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.095+/-0.004 χ^2/NDF:8402853.5/31

Out: 27.316+/-0.005 χ^2/NDF:6655482.3/36

All: 25.005+/-0.003 χ^2/NDF: 15475719.3/68



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:7.1/15

Left: -0.000+/-0.000 χ^2/NDF: 47.5/33

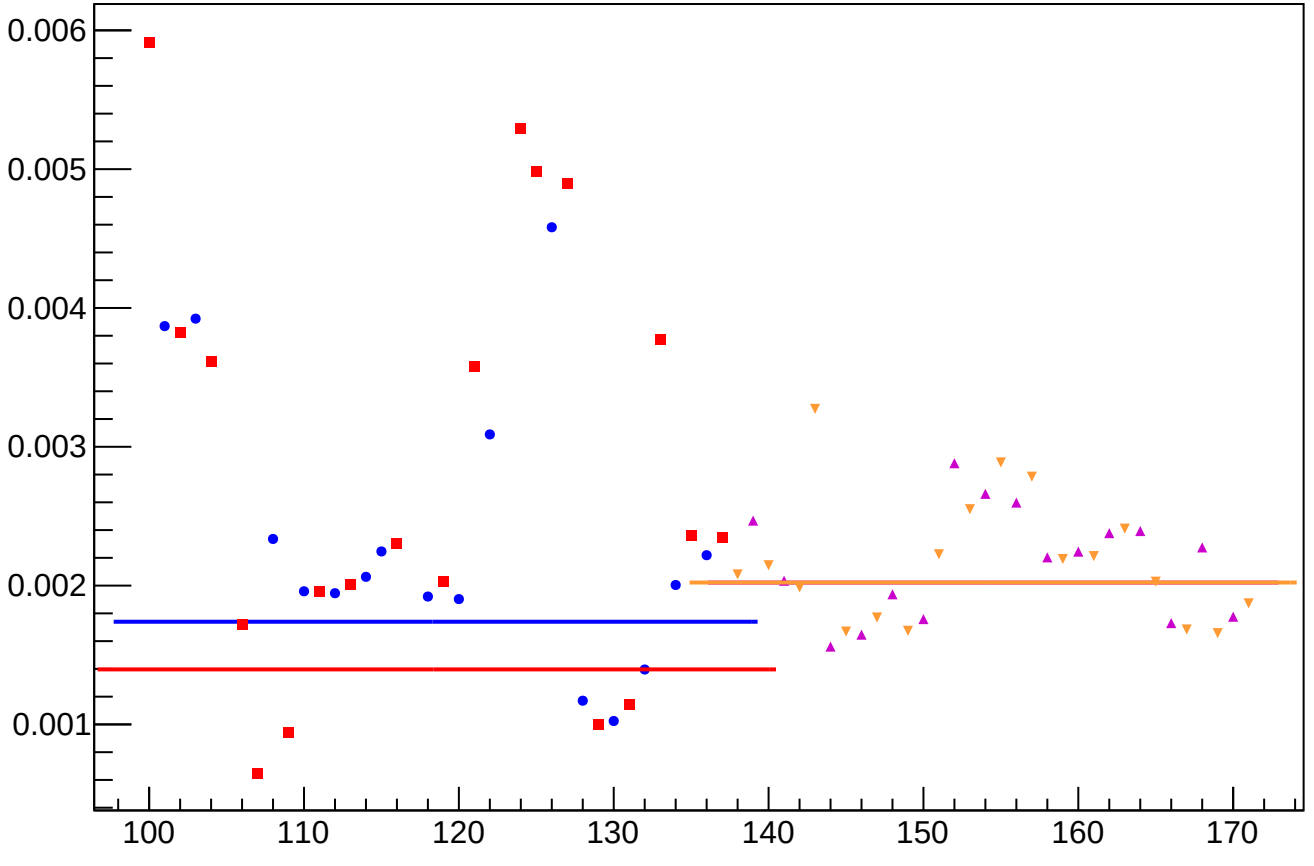
Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:27.1/31

Out: -0.000+/-0.000 χ^2/NDF:57.4/36

All: -0.000+/-0.000 χ^2/NDF: 84.5/68

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:854252.6/15

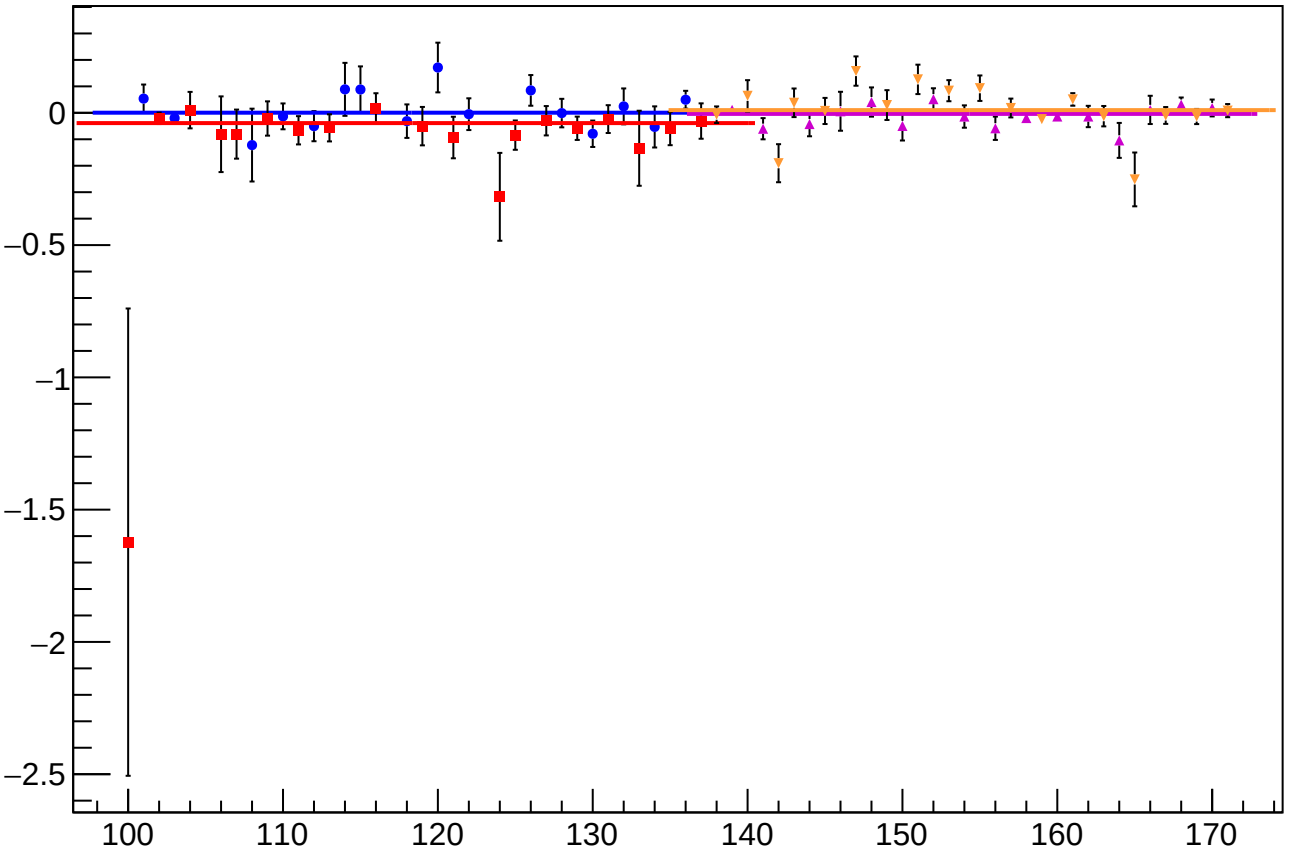
Left: 0.002+/-0.000 χ^2/NDF: 1850229.5/33

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3191458.1/31

Out: 0.002+/-0.000 χ^2/NDF:6480310.3/36

All: 0.002+/-0.000 χ^2/NDF: 9829459.3/68



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: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.005 χ^2/NDF: 58.6/33

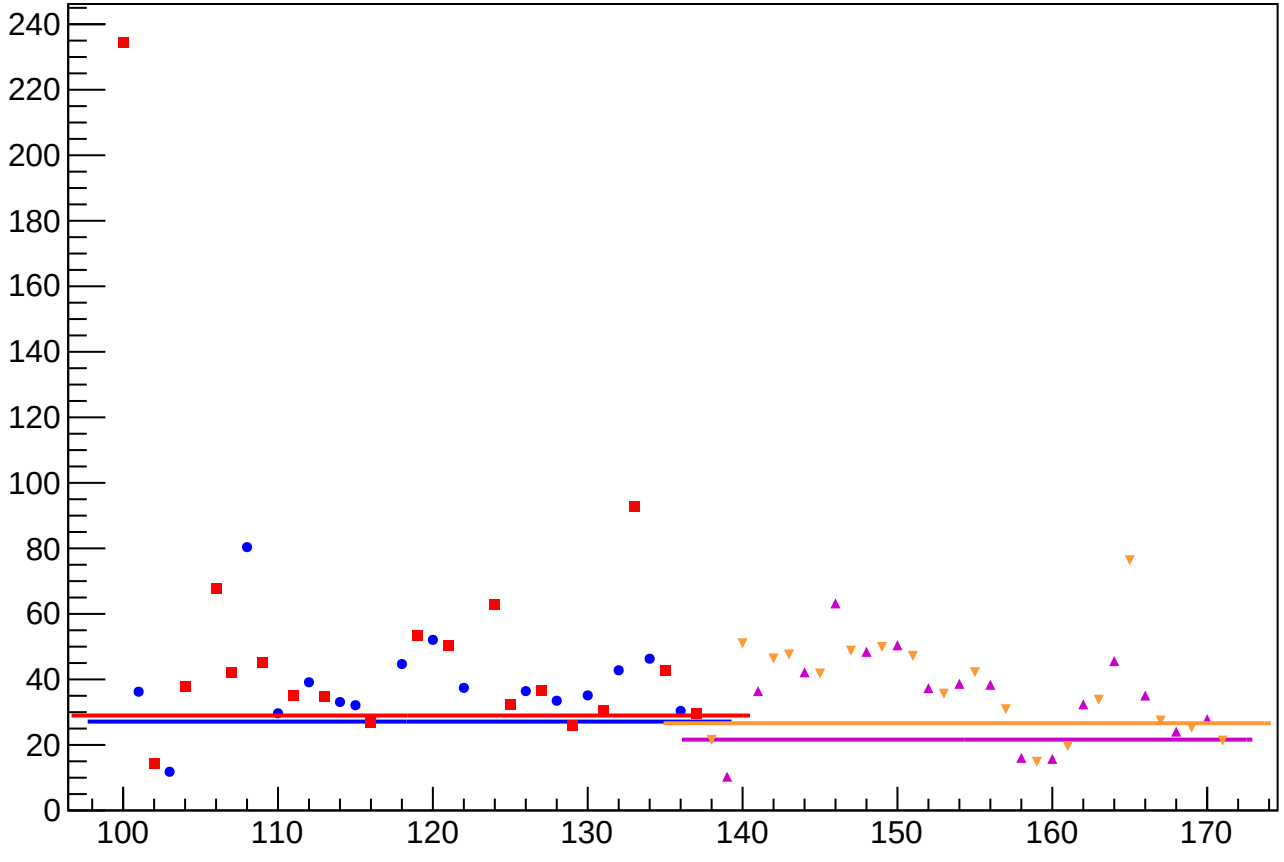
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 95.2/68

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: 21.626+/-0.005 χ^2/NDF:5681952.7/15

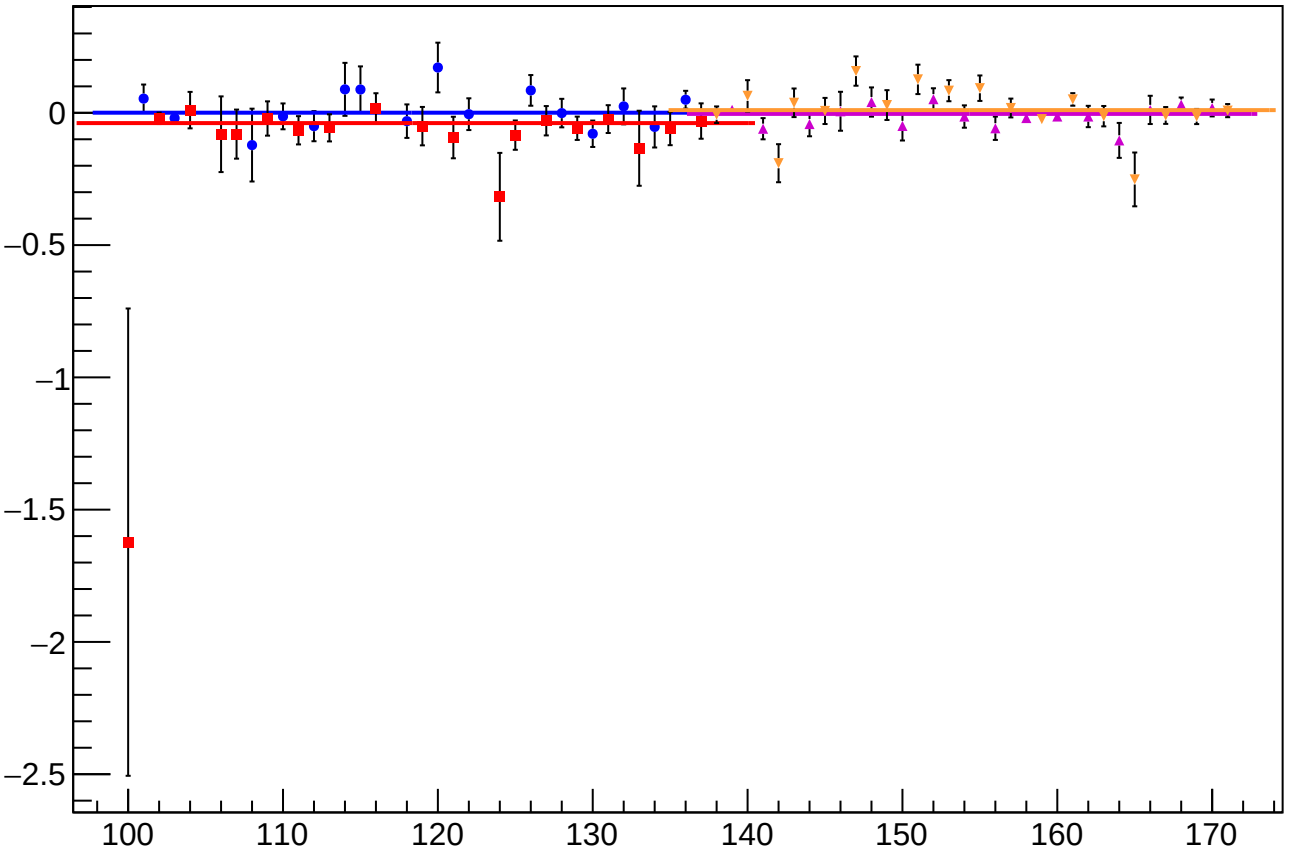
Left: 23.845+/-0.004 χ^2/NDF: 10253796.9/33

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.094+/-0.004 χ^2/NDF:8404088.5/31

Out: 27.317+/-0.005 χ^2/NDF:6655417.7/36

All: 25.005+/-0.003 χ^2/NDF: 15477194.8/68



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: -0.004+/-0.007 χ^2/NDF:14.4/15

Left: 0.002+/-0.005 χ^2/NDF: 58.6/33

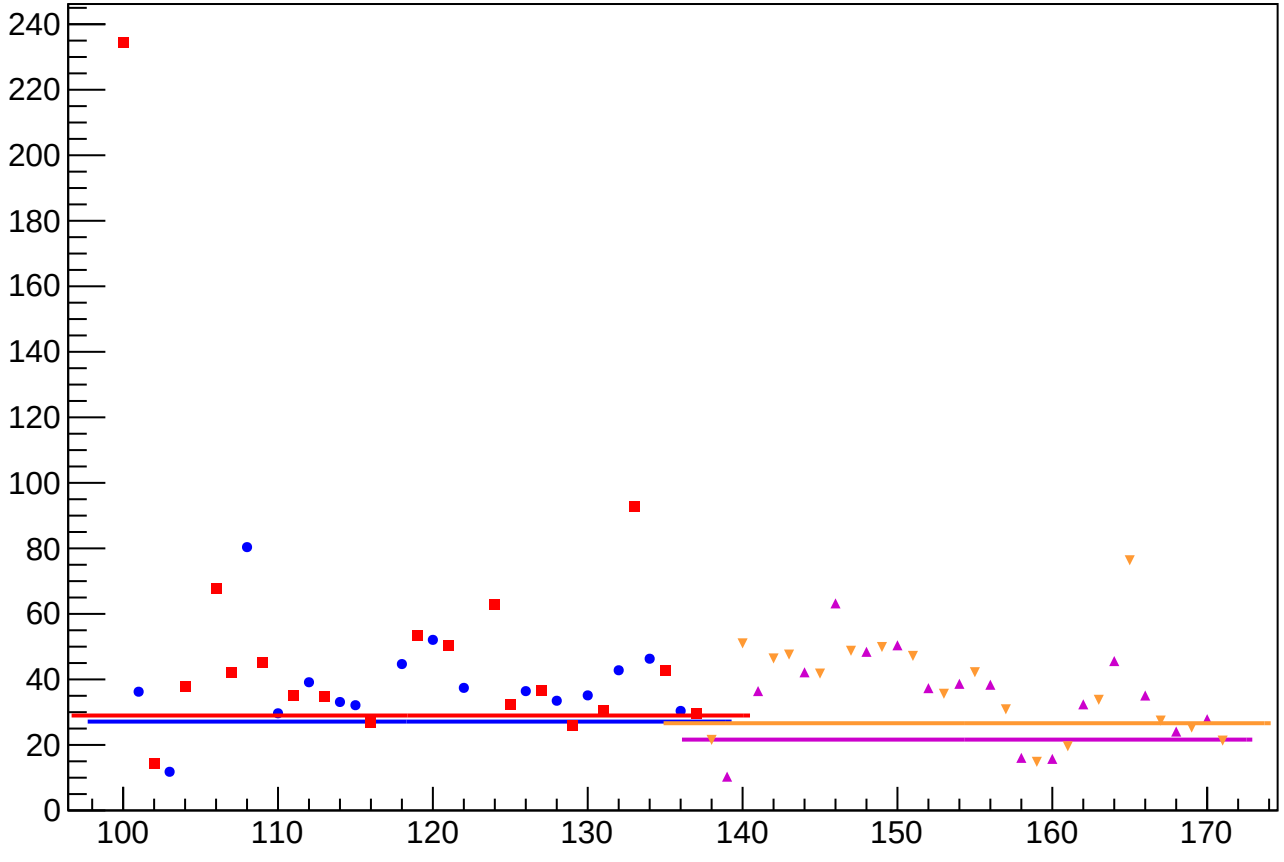
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:31.0/31

Out: -0.004+/-0.007 χ^2/NDF:64.2/36

All: -0.003+/-0.005 χ^2/NDF: 95.2/68

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: 21.626+/-0.005 χ^2/NDF:5681952.7/15

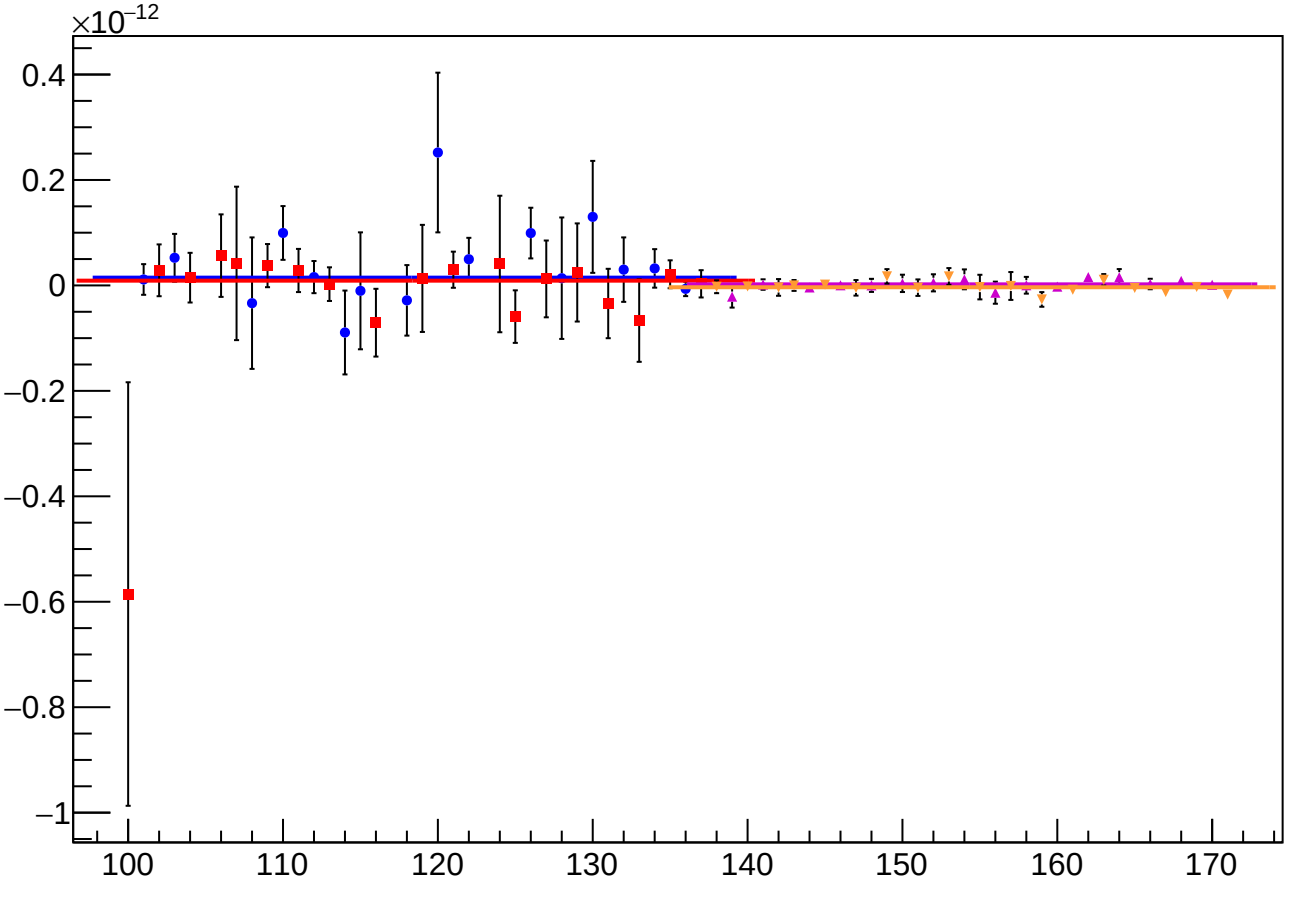
Left: 23.845+/-0.004 χ^2/NDF: 10253796.9/33

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.094+/-0.004 χ^2/NDF:8404088.5/31

Out: 27.317+/-0.005 χ^2/NDF:6655417.7/36

All: 25.005+/-0.003 χ^2/NDF: 15477194.8/68



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:6.8/15

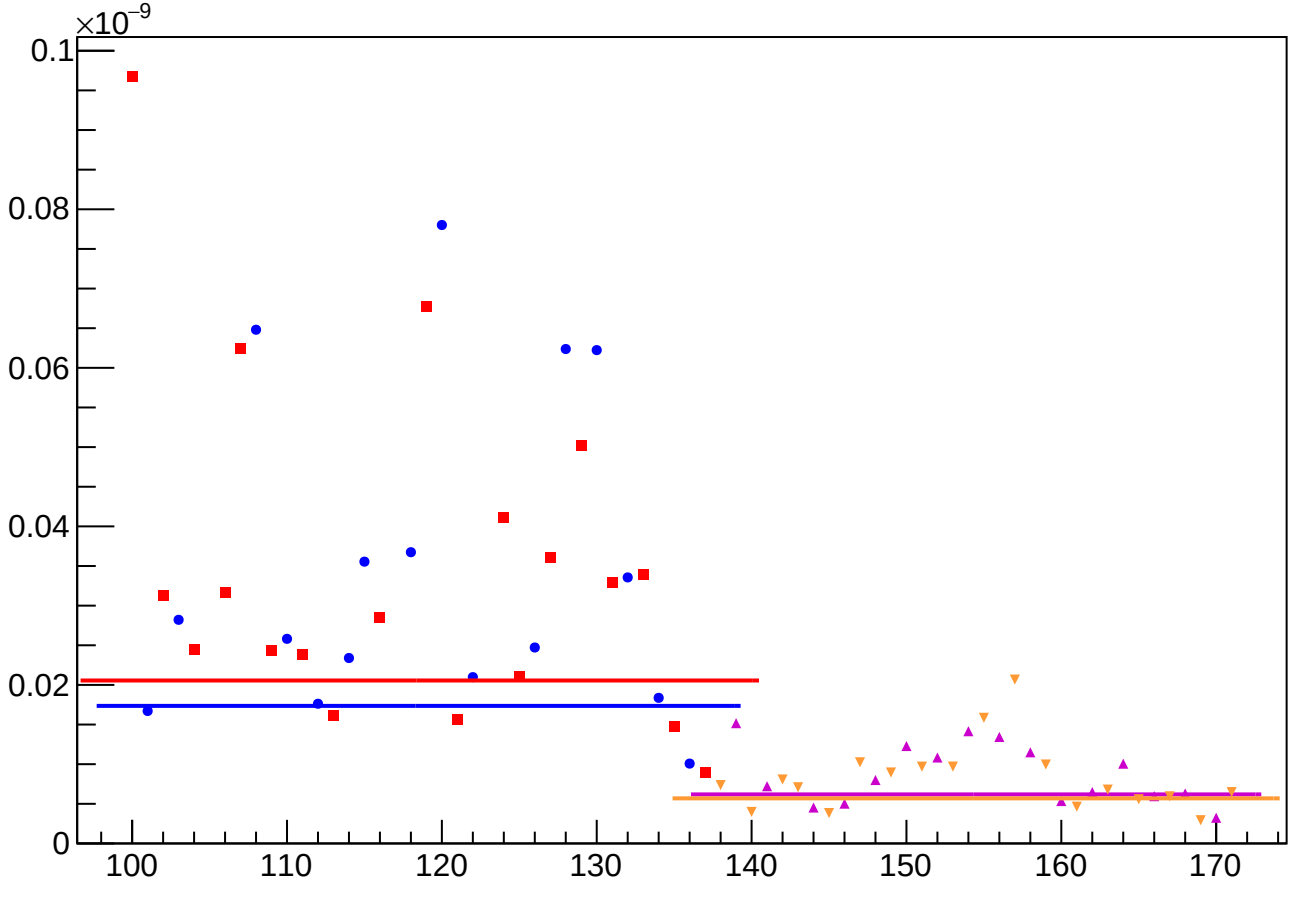
Left: -0.000+/-0.000 χ^2/NDF: 22.5/33

Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: 0.000+/-0.000 χ^2/NDF:24.4/31

Out: -0.000+/-0.000 χ^2/NDF:23.4/36

All: -0.000+/-0.000 χ^2/NDF: 50.9/68



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:2578022.6/15

Left: 0.000+/-0.000 χ^2/NDF: 5369607.3/33

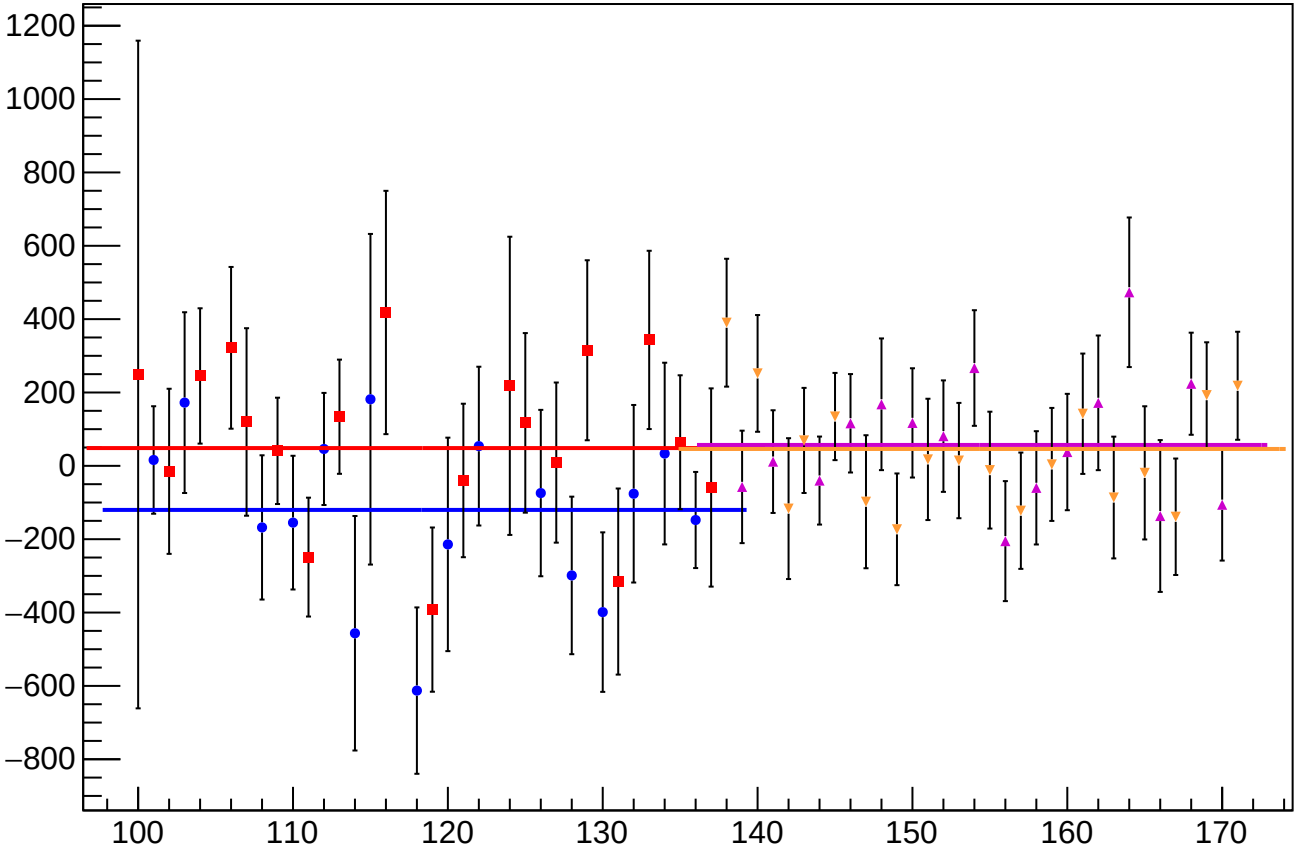
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:7625948.0/31

Out: 0.000+/-0.000 χ^2/NDF:8283419.8/36

All: 0.000+/-0.000 χ^2/NDF: 15974257.8/68

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: 56.985+/-38.664 χ^2/NDF:15.0/15

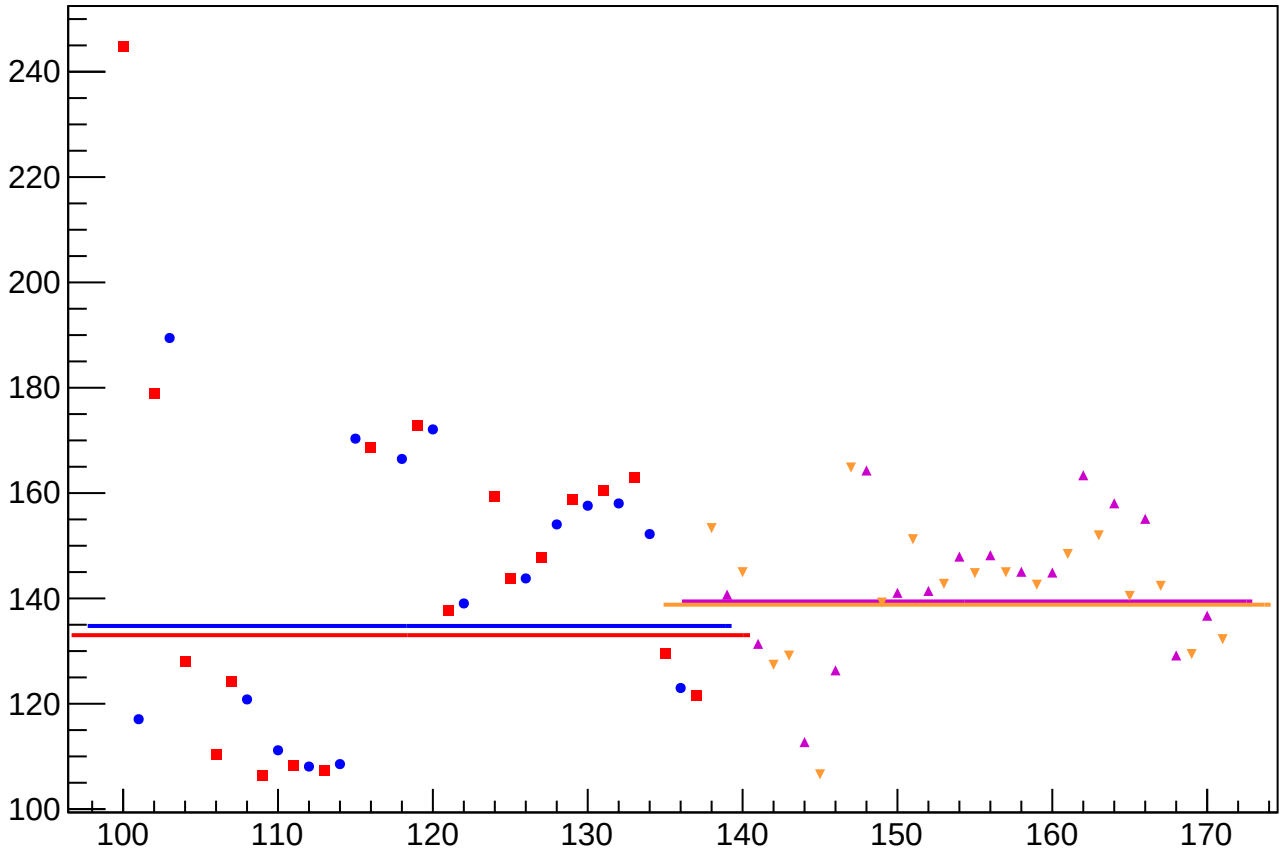
Left: 51.282+/-26.751 χ^2/NDF: 30.9/33

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: -7.501+/-30.833 χ^2/NDF:36.1/31

Out: 46.899+/-29.749 χ^2/NDF:32.8/36

All: 20.672+/-21.409 χ^2/NDF: 70.5/68



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: 139.426+/-0.027 χ^2/NDF:254149.0/15

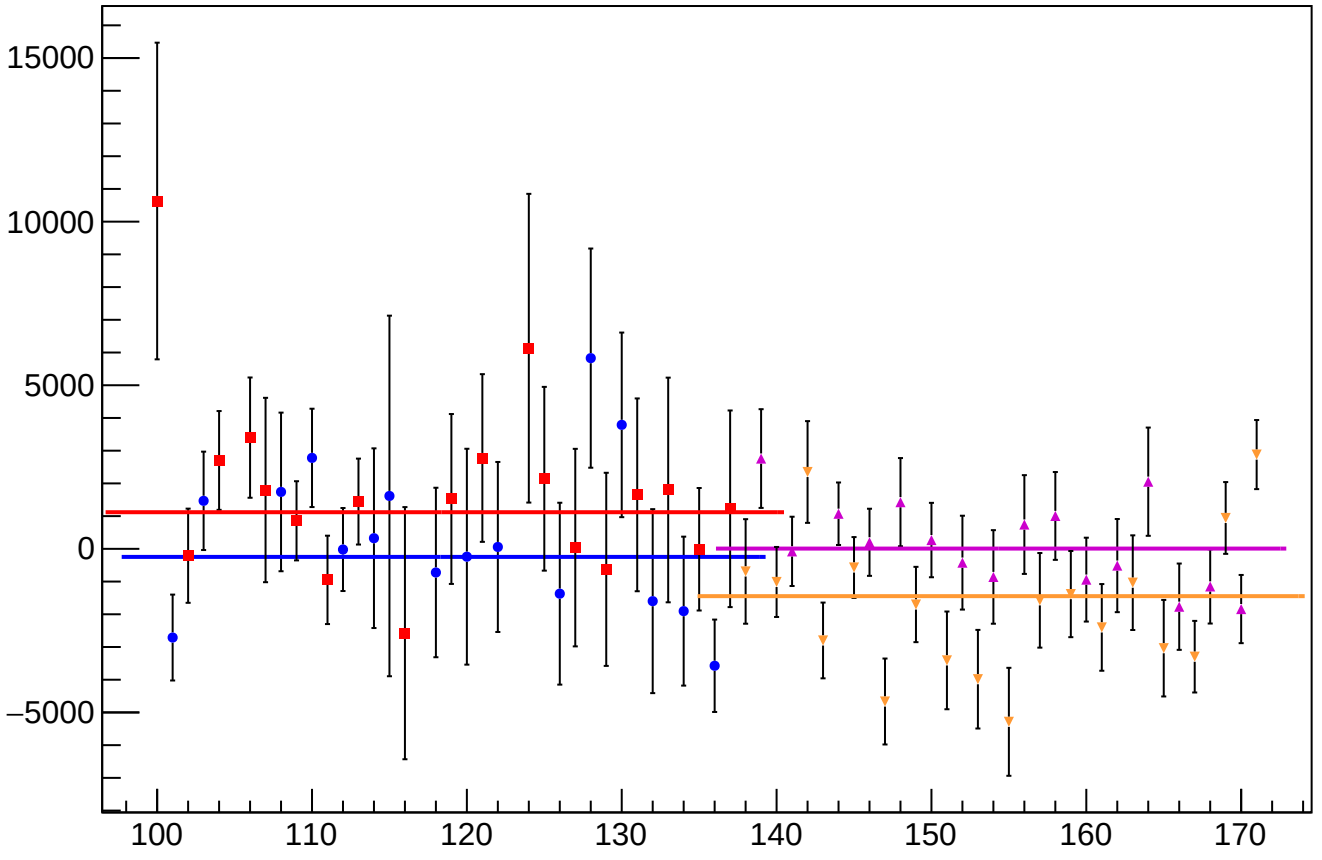
Left: 139.105+/-0.019 χ^2/NDF: 528226.4/33

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.732+/-0.022 χ^2/NDF:681481.7/31

Out: 136.752+/-0.021 χ^2/NDF:786882.5/36

All: 137.224+/-0.015 χ^2/NDF: 1469409.2/68



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: 7.881+/-309.912 χ^2/NDF:15.2/15

Left: -748.843+/-214.613 χ^2/NDF: 77.5/33

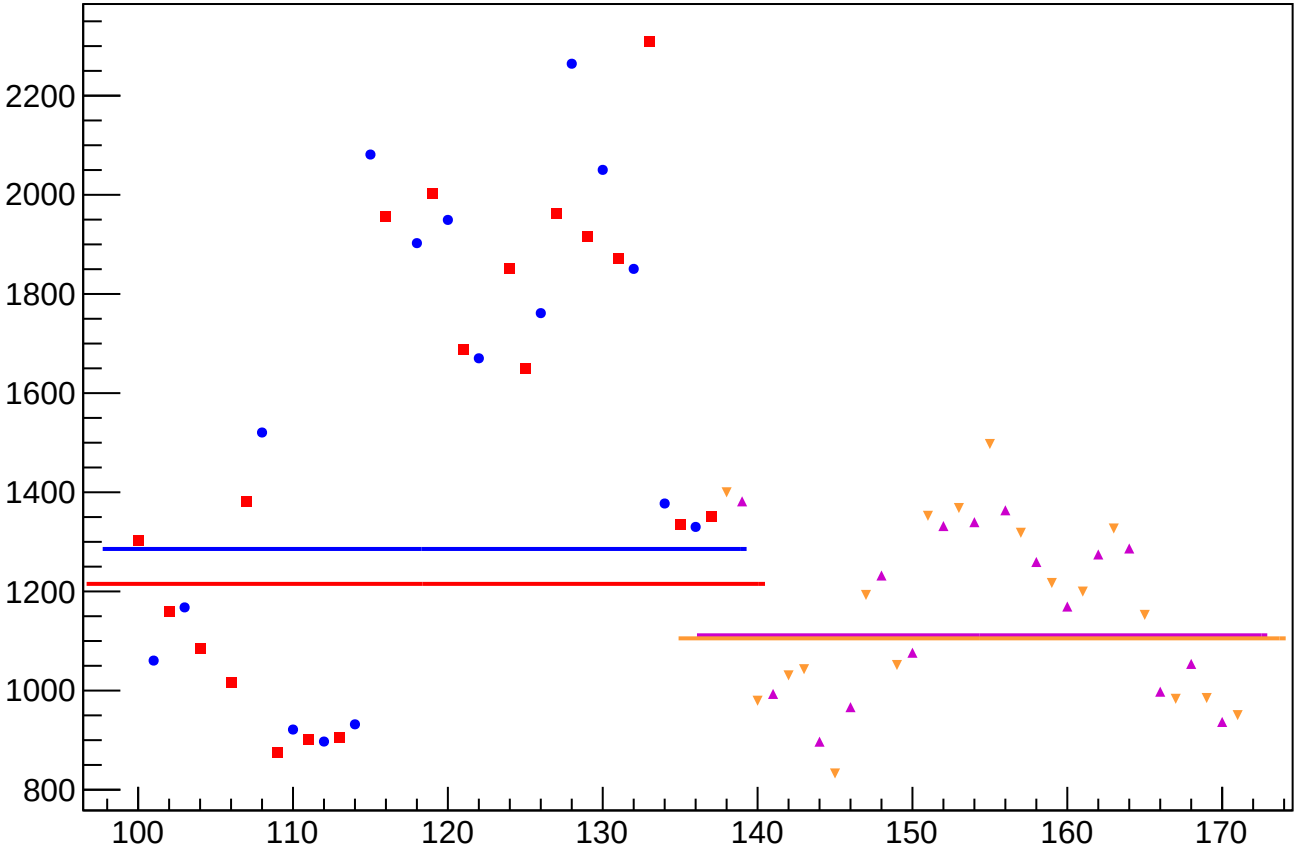
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: -62.396+/-263.622 χ^2/NDF:37.0/31

Out: -708.697+/-251.120 χ^2/NDF:85.6/36

All: -401.235+/-181.828 χ^2/NDF: 125.8/68

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



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: 1111.486+/-0.219 χ^2/NDF:555153.3/15

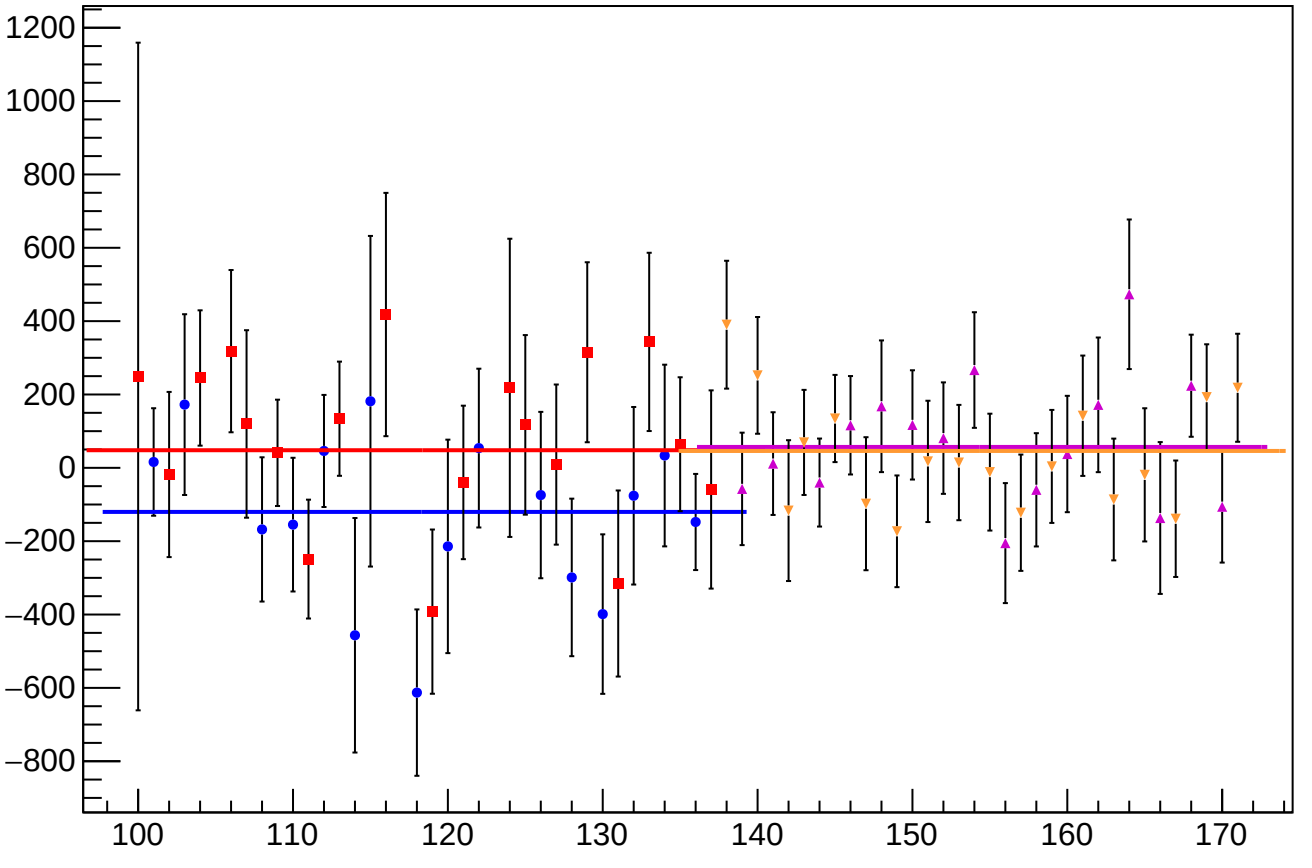
Left: 1108.297+/-0.152 χ^2/NDF: 1284230.5/33

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

In: 1159.634+/-0.186 χ^2/NDF:1900224.5/31

Out: 1136.940+/-0.178 χ^2/NDF:2193385.8/36

All: 1147.736+/-0.129 χ^2/NDF: 4101380.6/68



Right In: -120.169+/-51.103 χ^2/NDF: 13.4/15

Left Out: 46.048+/-37.051 χ^2/NDF:15.8/17

Right Out: 48.013+/-49.919 χ^2/NDF: 17.0/18

Left In: 56.983+/-38.664 χ^2/NDF:15.0/15

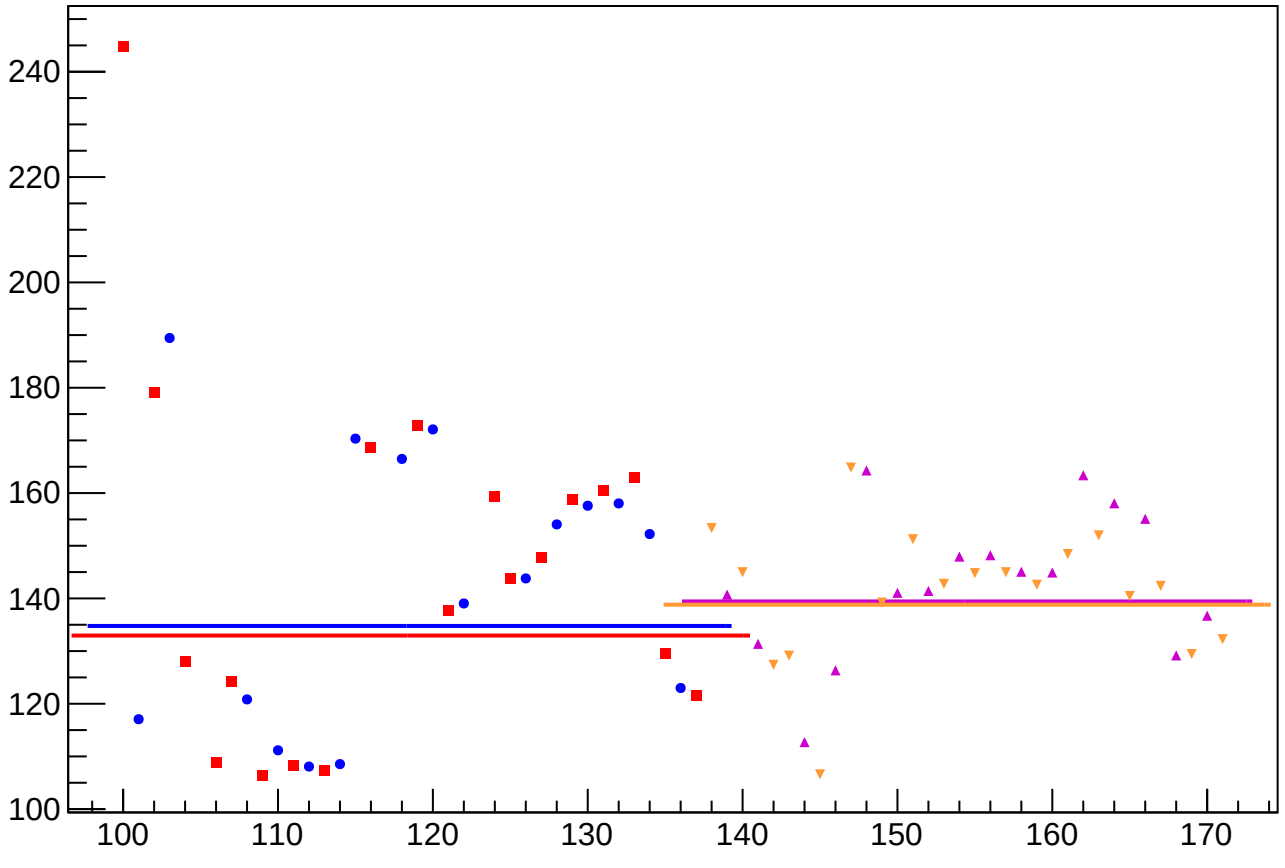
Left: 51.283+/-26.751 χ^2/NDF: 30.9/33

Right: -34.107+/-35.709 χ^2/NDF: 35.9/34

In: -7.506+/-30.833 χ^2/NDF:36.1/31

Out: 46.746+/-29.751 χ^2/NDF:32.8/36

All: 20.588+/-21.410 χ^2/NDF: 70.5/68



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: 139.426+/-0.027 χ^2/NDF:254149.0/15

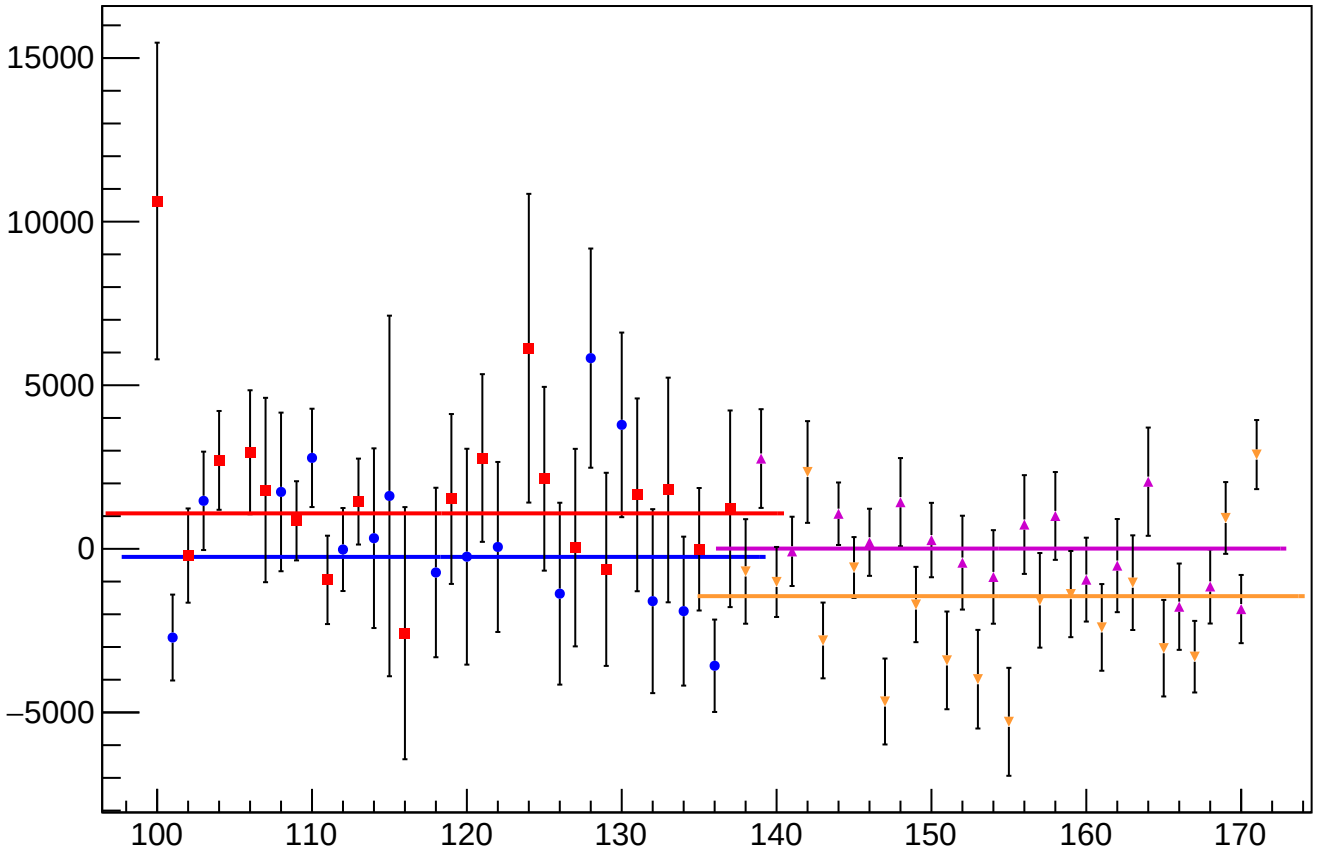
Left: 139.105+/-0.019 χ^2/NDF: 528226.4/33

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.732+/-0.022 χ^2/NDF:681484.7/31

Out: 136.727+/-0.021 χ^2/NDF:790448.4/36

All: 137.211+/-0.015 χ^2/NDF: 1473032.6/68



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: 7.889+/-309.913 χ^2/NDF:15.2/15

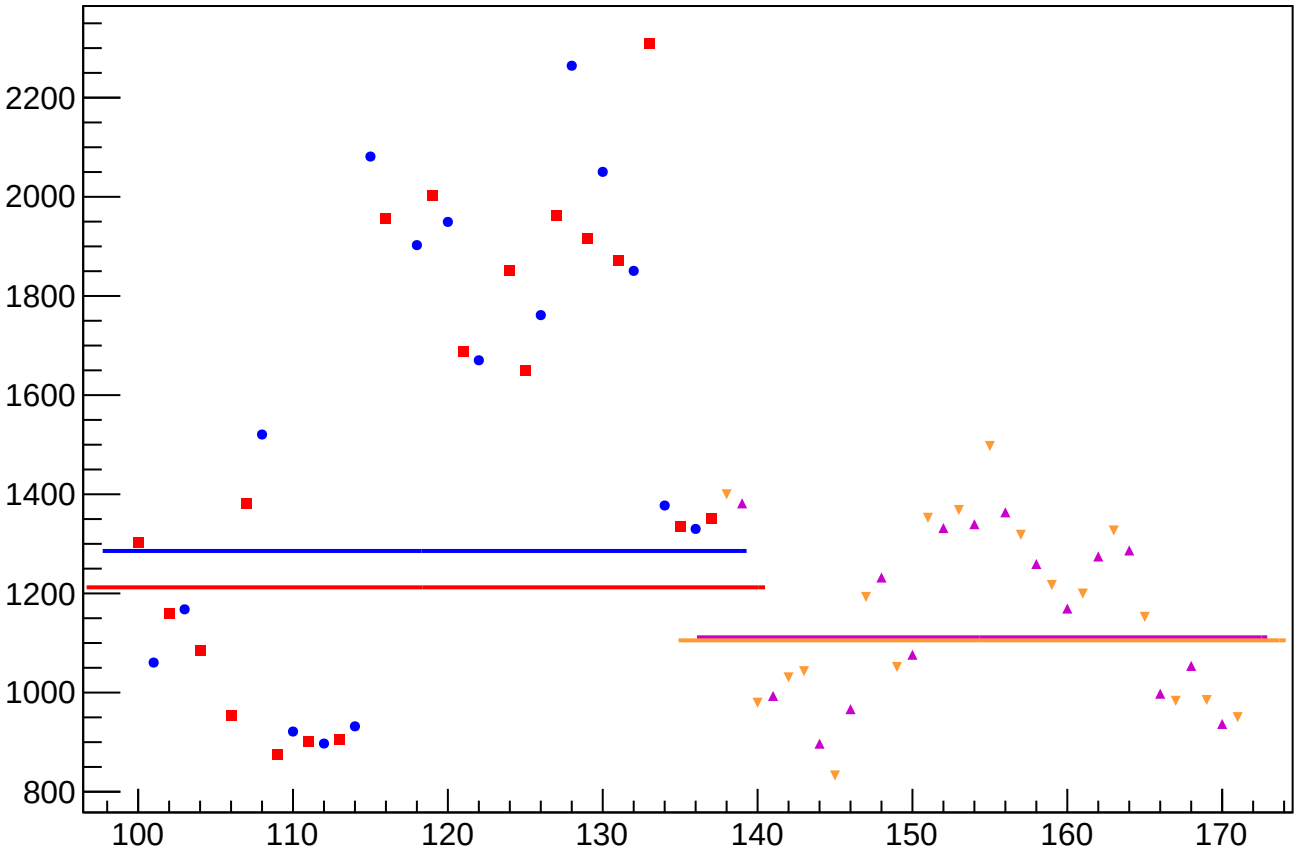
Left: -748.836+/-214.613 χ^2/NDF: 77.5/33

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: -62.409+/-263.623 χ^2/NDF:37.0/31

Out: -720.887+/-251.262 χ^2/NDF:84.3/36

All: -407.447+/-181.882 χ^2/NDF: 124.6/68



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: 1111.487+/-0.219 χ^2/NDF:555151.1/15

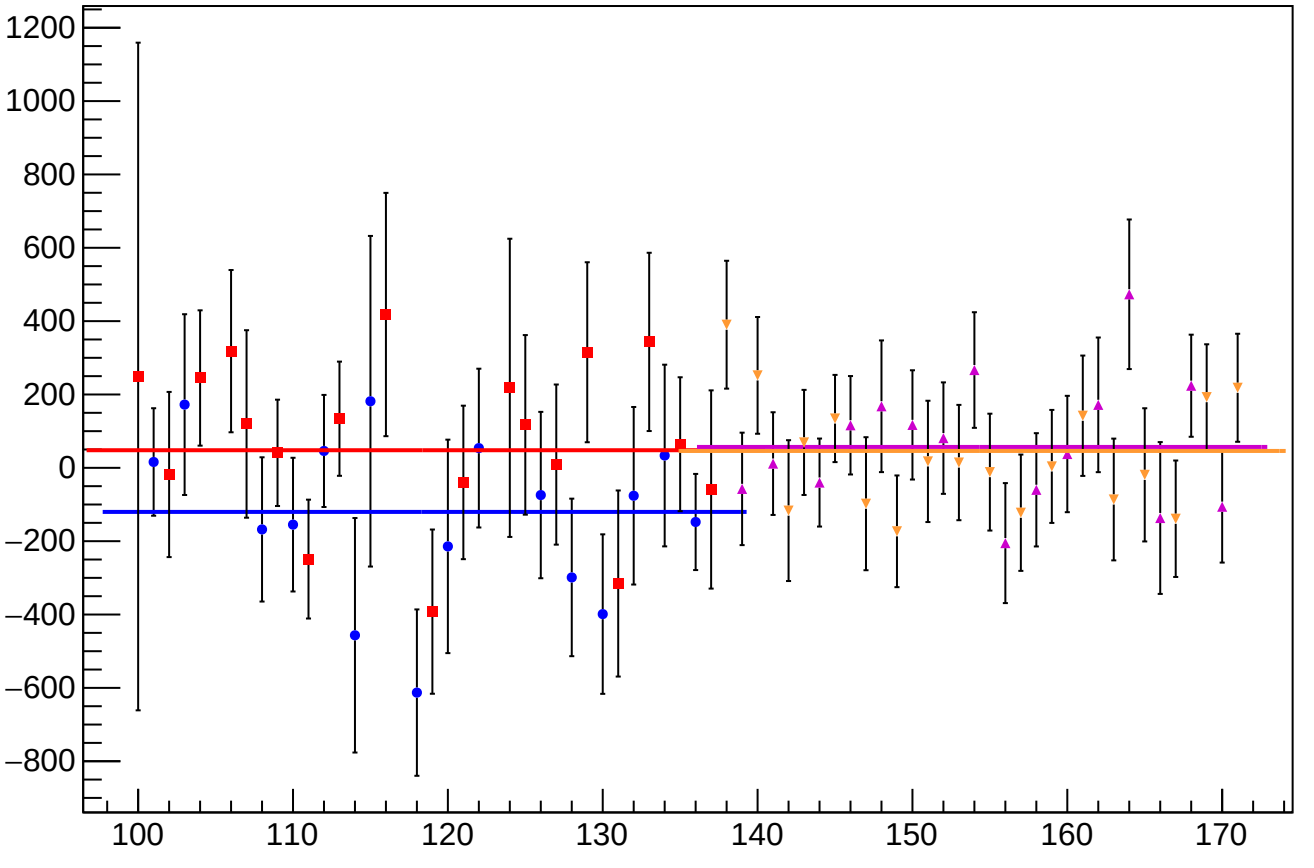
Left: 1108.297+/-0.152 χ^2/NDF: 1284230.6/33

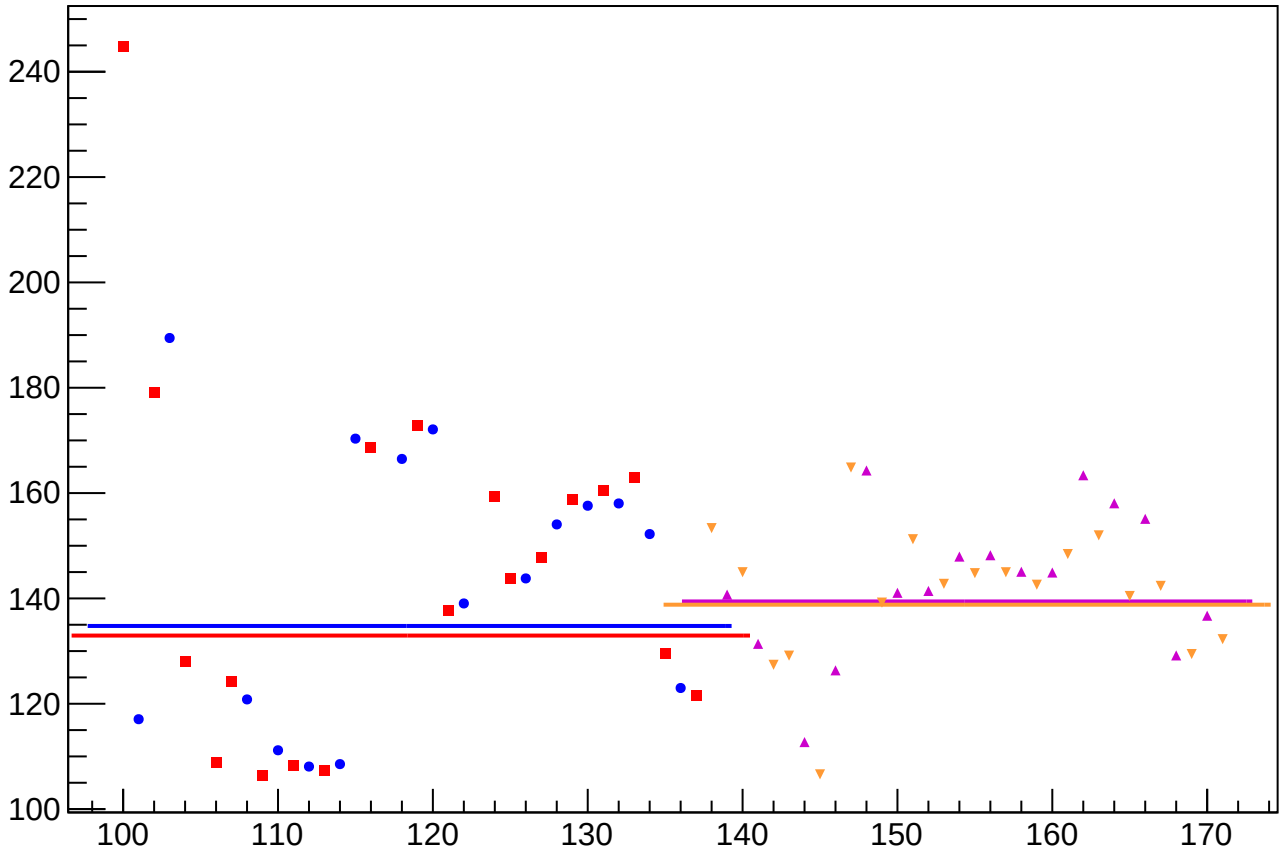
Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

In: 1159.637+/-0.186 χ^2/NDF:1900221.5/31

Out: 1136.003+/-0.178 χ^2/NDF:2203354.6/36

All: 1147.253+/-0.129 χ^2/NDF: 4111999.6/68


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 46.048+/-37.051 χ²/NDF:15.8/17
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 56.983+/-38.664 χ²/NDF:15.0/15
Left: 51.283+/-26.751 χ²/NDF: 30.9/33
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: -7.506+/-30.833 χ²/NDF:36.1/31
Out: 46.746+/-29.751 χ²/NDF:32.8/36
All: 20.588+/-21.410 χ²/NDF: 70.5/68



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: 139.426+/-0.027 χ^2/NDF:254149.0/15

Left: 139.105+/-0.019 χ^2/NDF: 528226.4/33

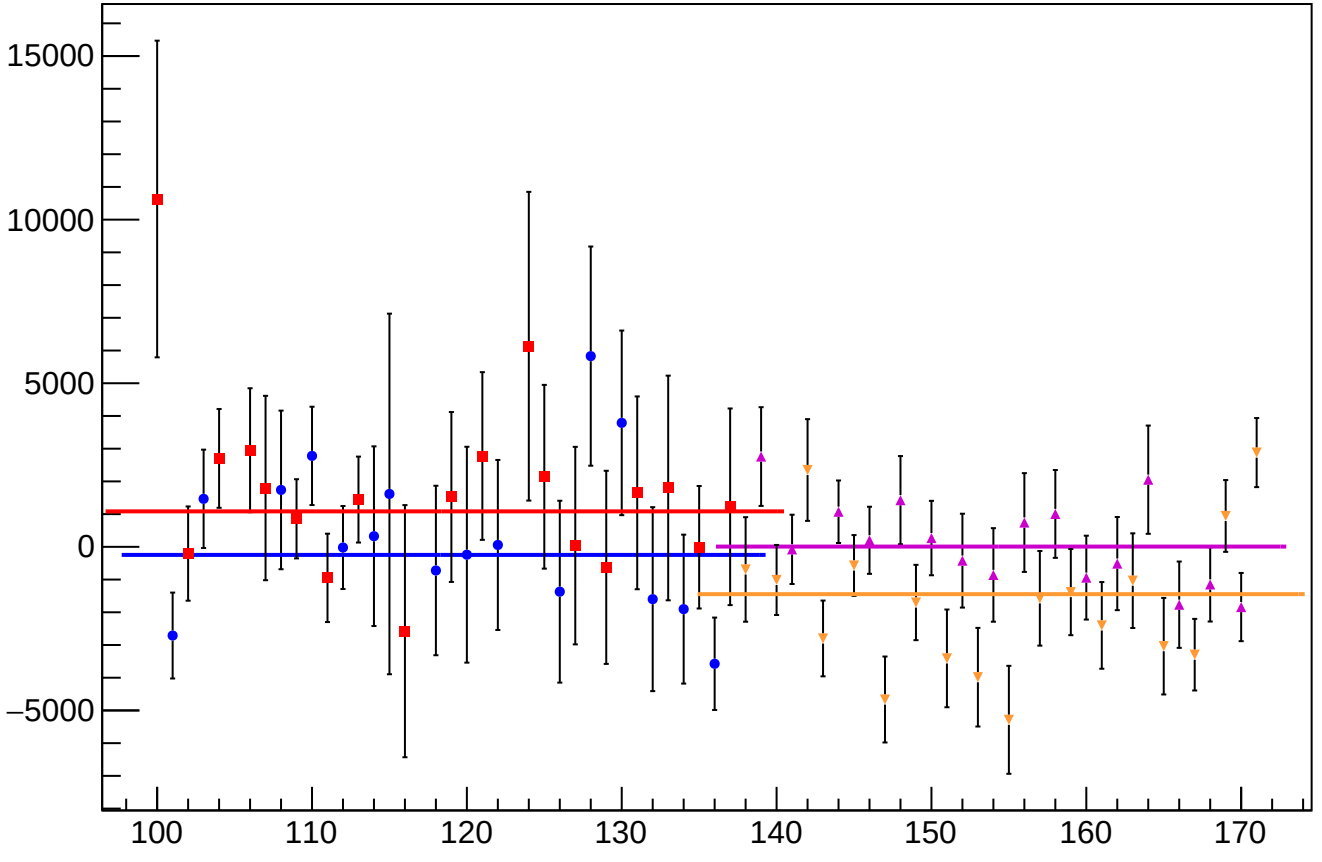
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.732+/-0.022 χ^2/NDF:681484.7/31

Out: 136.727+/-0.021 χ^2/NDF:790448.4/36

All: 137.211+/-0.015 χ^2/NDF: 1473032.6/68

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: 7.889+/-309.913 χ^2/NDF:15.2/15

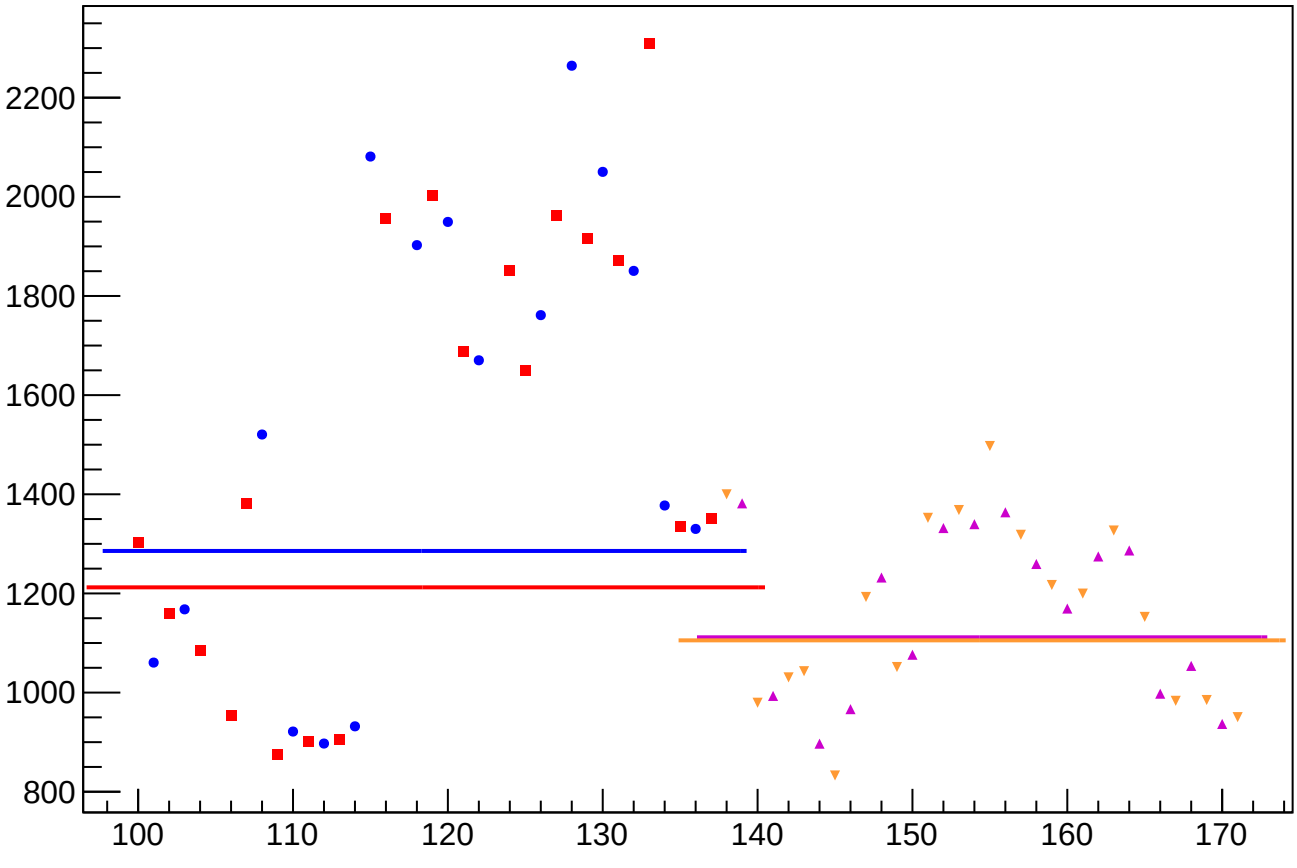
Left: -748.836+/-214.613 χ^2/NDF: 77.5/33

Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: -62.409+/-263.623 χ^2/NDF:37.0/31

Out: -720.887+/-251.262 χ^2/NDF:84.3/36

All: -407.447+/-181.882 χ^2/NDF: 124.6/68



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: 1111.487+/-0.219 χ^2/NDF:555151.1/15

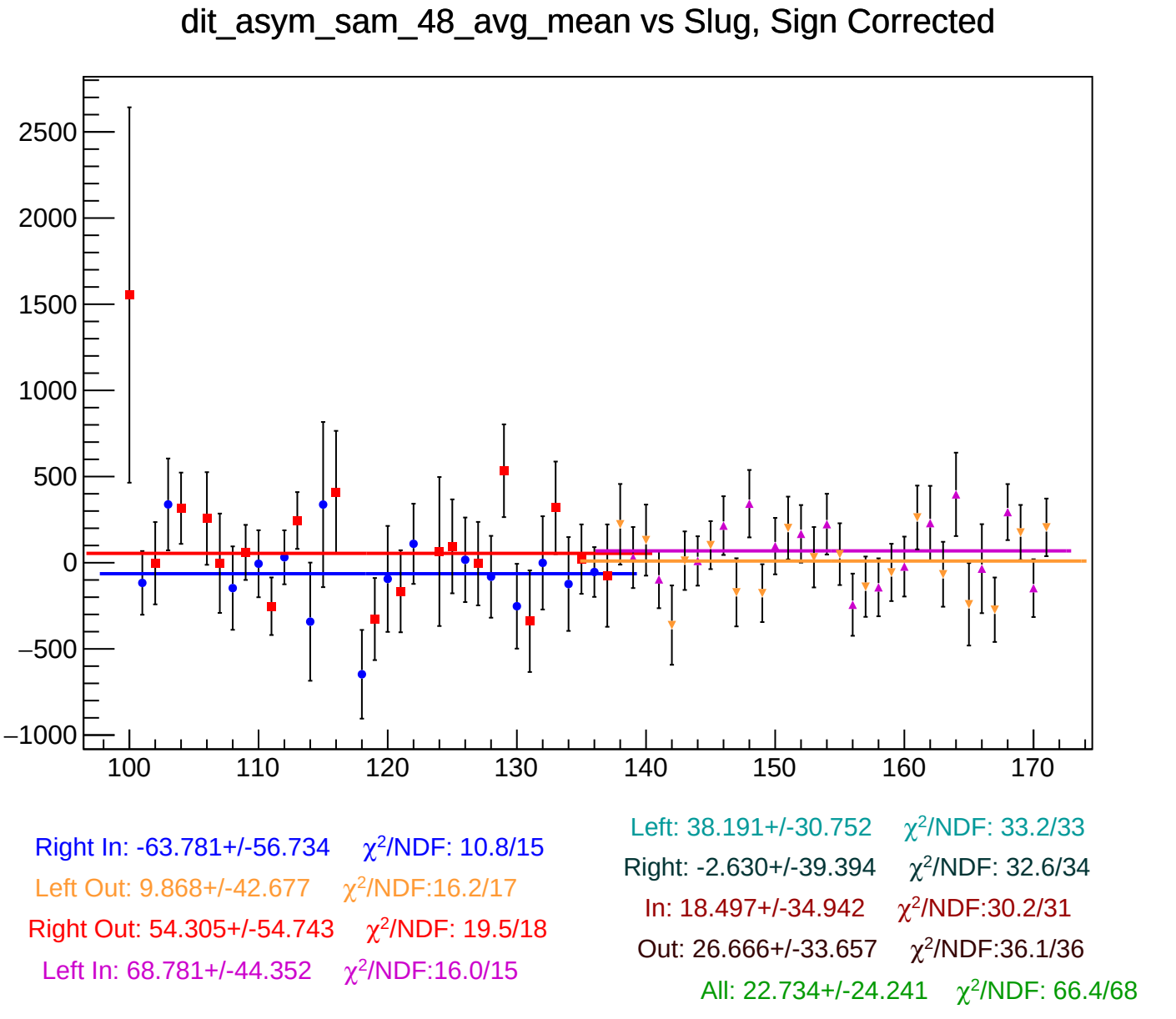
Left: 1108.297+/-0.152 χ^2/NDF: 1284230.6/33

Right: 1246.554+/-0.242 χ^2/NDF: 2593895.7/34

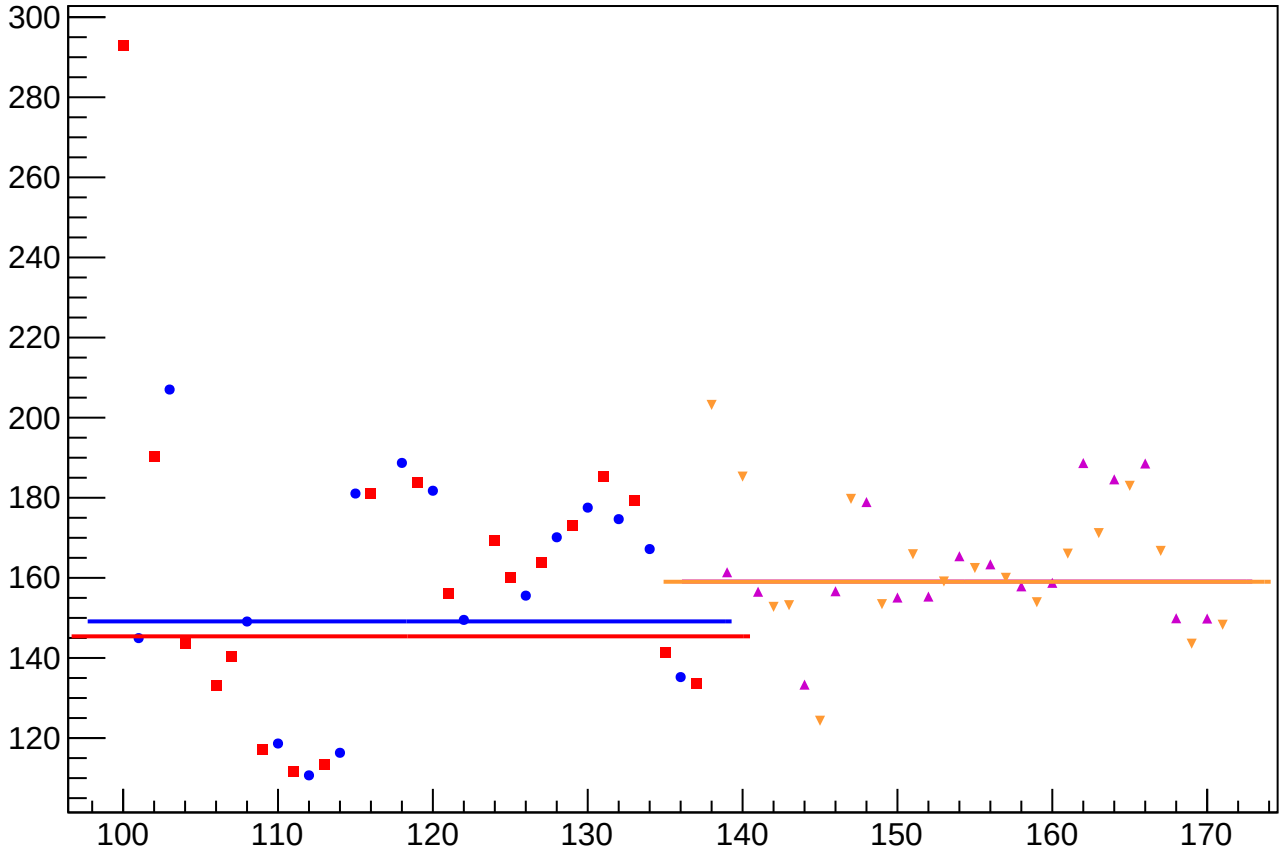
In: 1159.637+/-0.186 χ^2/NDF:1900221.5/31

Out: 1136.003+/-0.178 χ^2/NDF:2203354.6/36

All: 1147.253+/-0.129 χ^2/NDF: 4111999.6/68


dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -63.781+/-56.734 χ²/NDF: 10.8/15
Left Out: 9.868+/-42.677 χ²/NDF:16.2/17
Right Out: 54.305+/-54.743 χ²/NDF: 19.5/18
Left In: 68.781+/-44.352 χ²/NDF:16.0/15
Left: 38.191+/-30.752 χ²/NDF: 33.2/33
Right: -2.630+/-39.394 χ²/NDF: 32.6/34
In: 18.497+/-34.942 χ²/NDF:30.2/31
Out: 26.666+/-33.657 χ²/NDF:36.1/36
All: 22.734+/-24.241 χ²/NDF: 66.4/68

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: 159.084+/-0.031 χ^2/NDF:190610.5/15

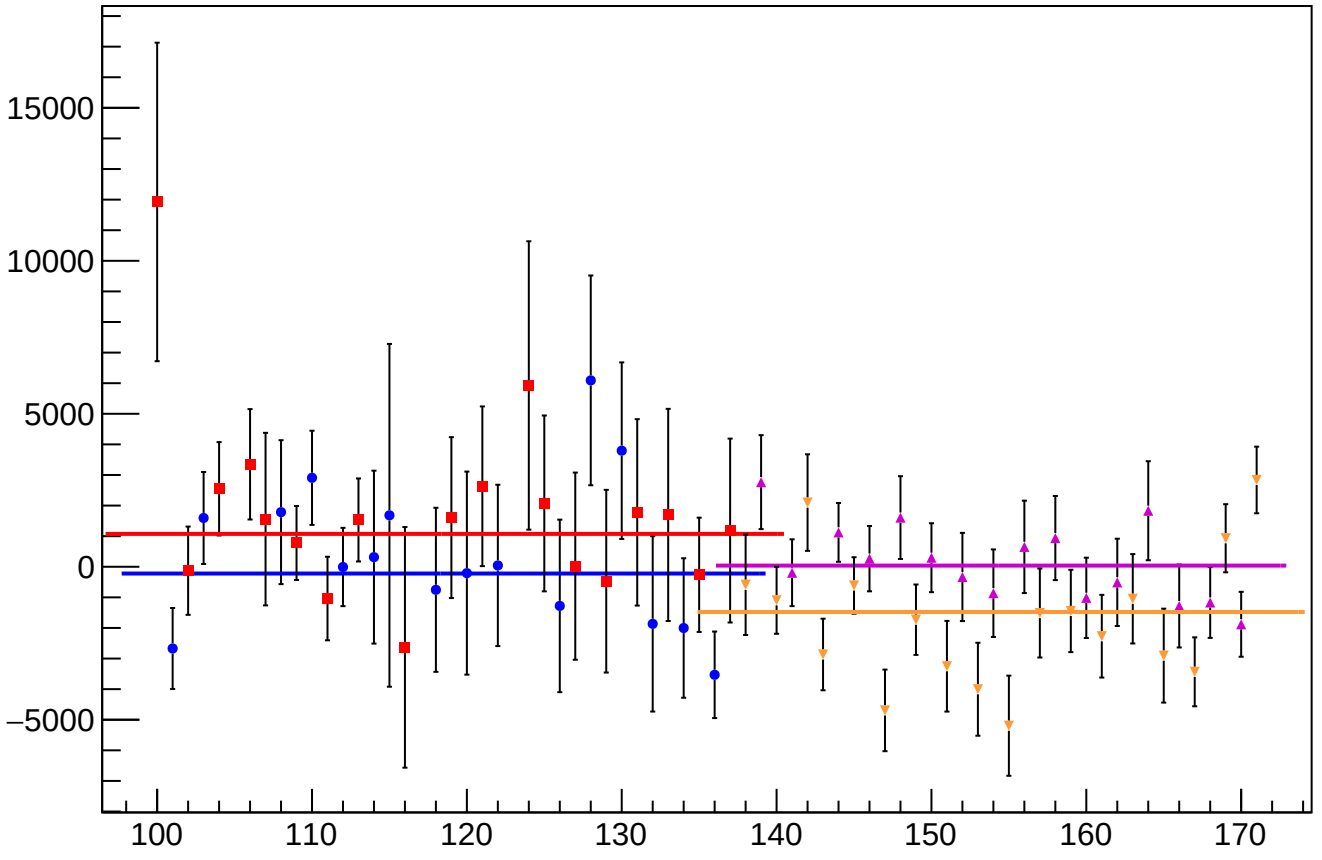
Left: 159.054+/-0.022 χ^2/NDF: 513846.8/33

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.308+/-0.025 χ^2/NDF:679823.9/31

Out: 153.875+/-0.024 χ^2/NDF:926139.9/36

All: 154.565+/-0.017 χ^2/NDF: 1607709.1/68



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: 38.441+/-314.230 χ^2/NDF:14.3/15

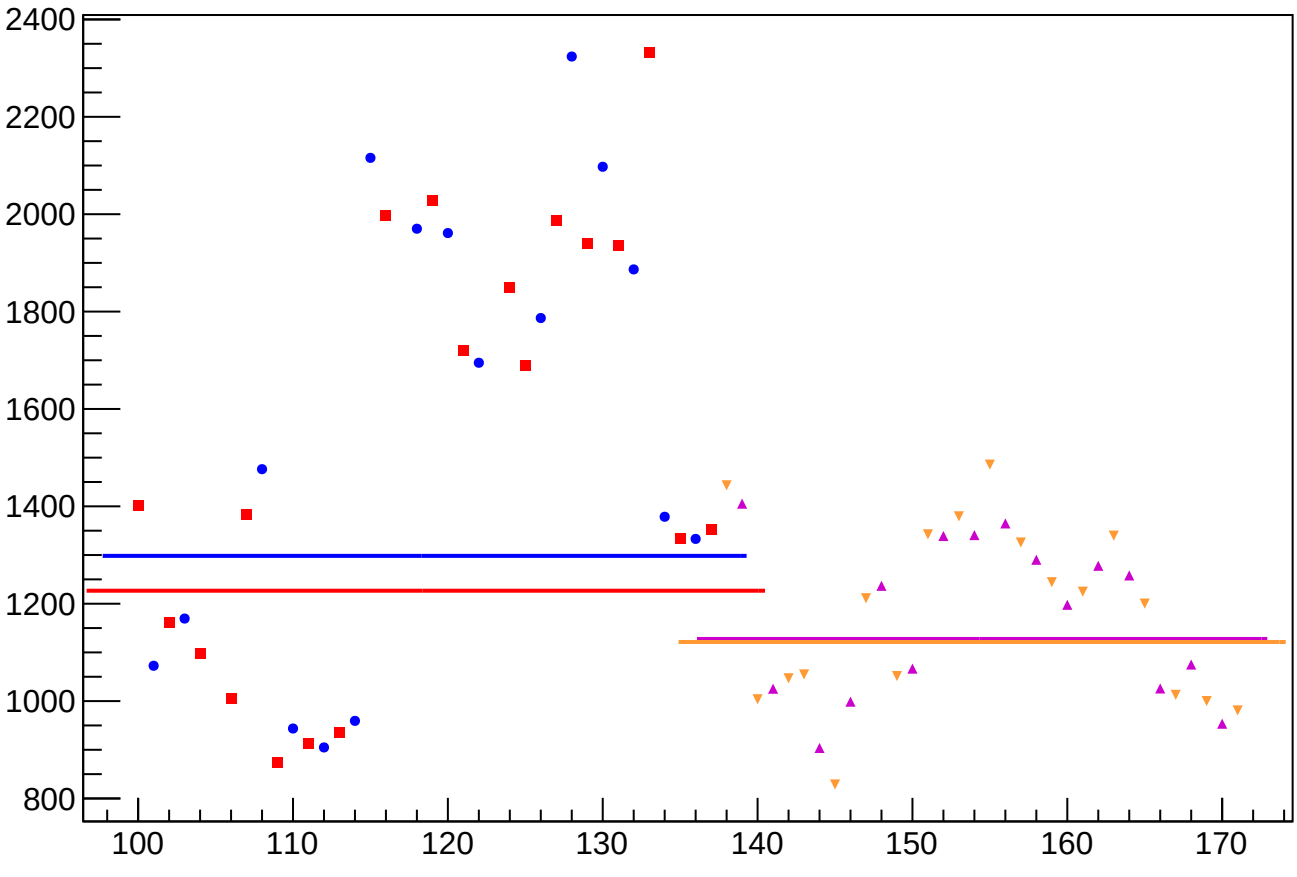
Left: -750.721+/-217.583 χ^2/NDF: 74.2/33

Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: -33.791+/-266.974 χ^2/NDF:36.4/31

Out: -739.605+/-254.260 χ^2/NDF:82.1/36

All: -403.904+/-184.120 χ^2/NDF: 122.1/68



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: 1127.617+/-0.222 χ^2/NDF:514544.4/15

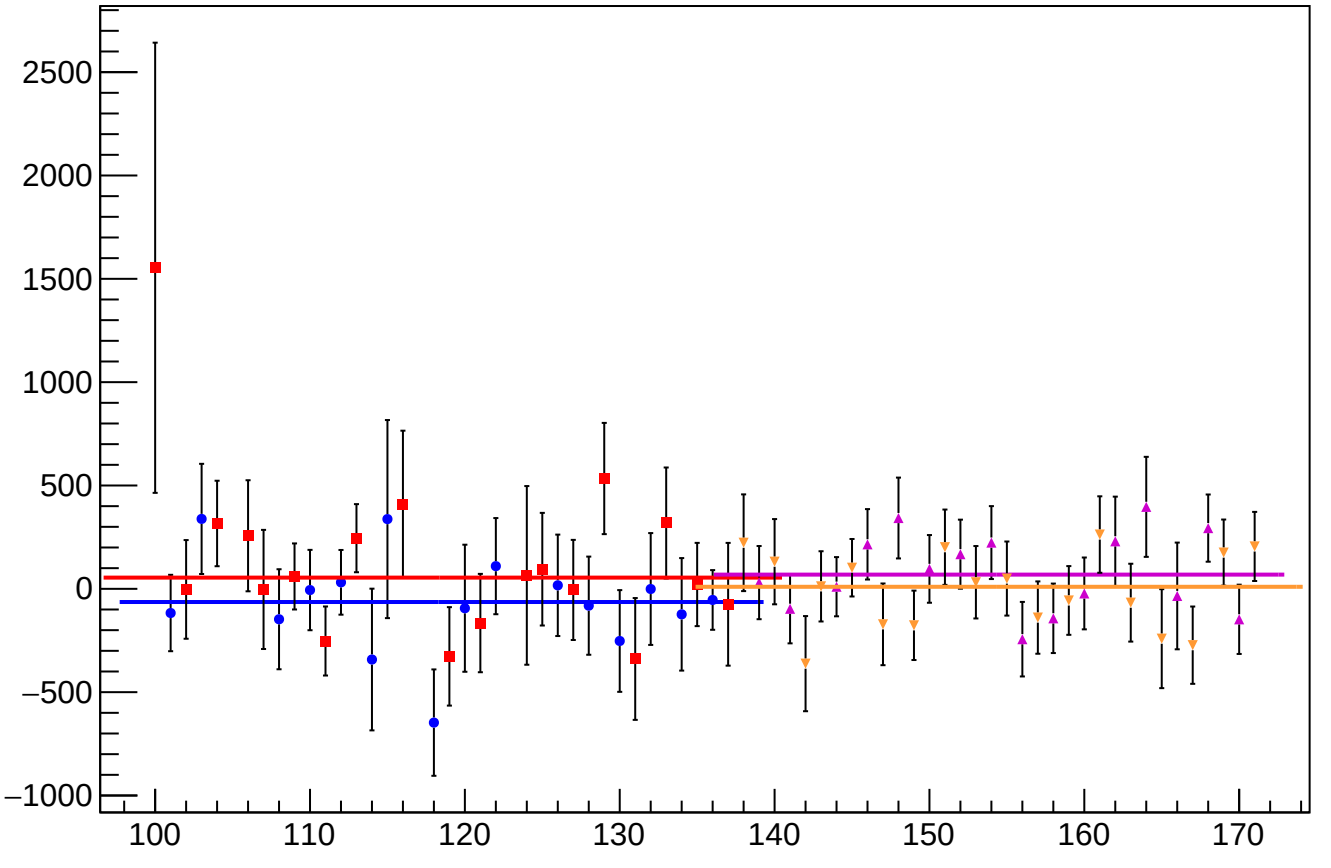
Left: 1124.384+/-0.154 χ^2/NDF: 1238302.5/33

Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1175.092+/-0.189 χ^2/NDF:1860790.0/31

Out: 1151.863+/-0.180 χ^2/NDF:2198415.1/36

All: 1162.911+/-0.130 χ^2/NDF: 4067144.7/68



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: 68.781+/-44.352 χ^2/NDF:16.0/15

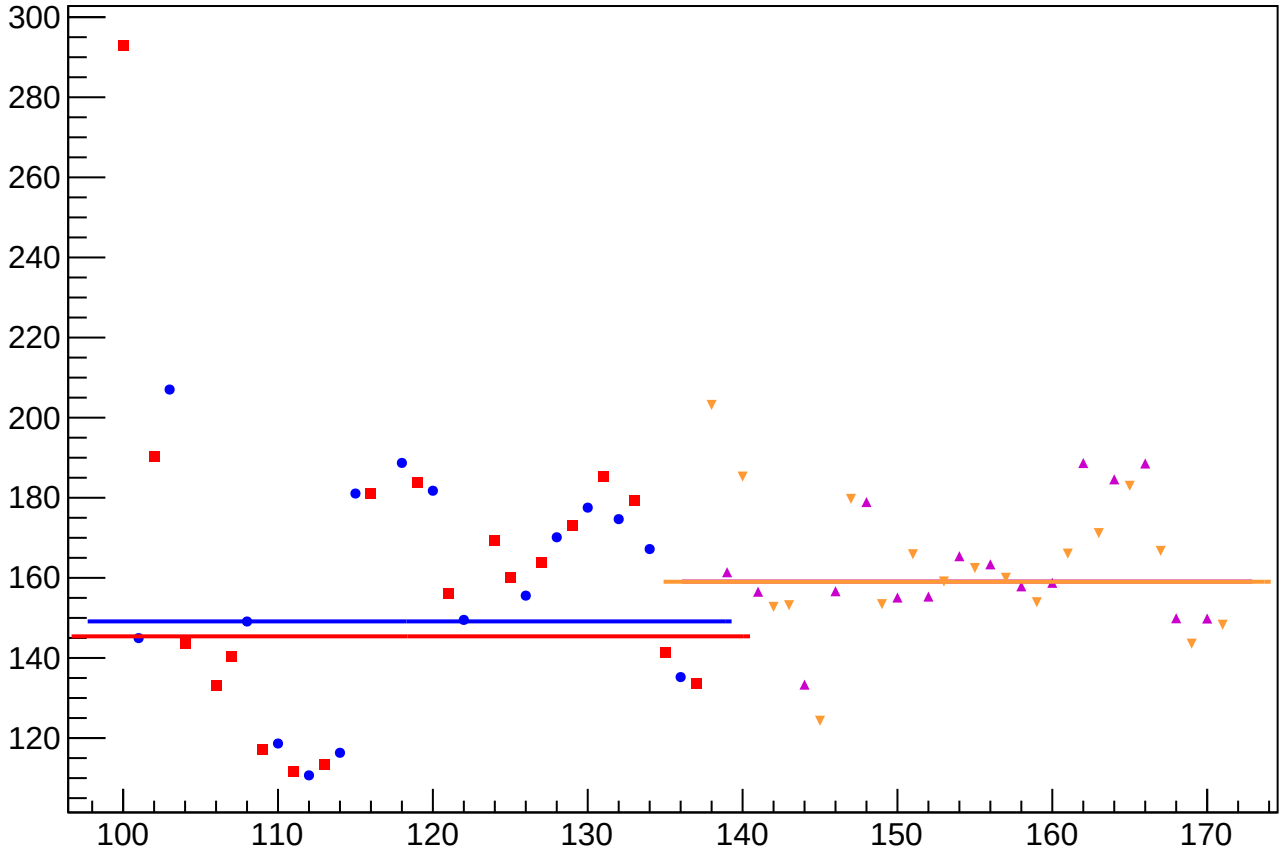
Left: 38.192+/-30.752 χ^2/NDF: 33.2/33

Right: -2.629+/-39.394 χ^2/NDF: 32.6/34

In: 18.498+/-34.942 χ^2/NDF:30.2/31

Out: 26.667+/-33.657 χ^2/NDF:36.1/36

All: 22.735+/-24.241 χ^2/NDF: 66.4/68


eigen_dit_asym_sam_48_avg_rms vs Slug, Sign Corrected
300
280
260
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220
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180
160
140
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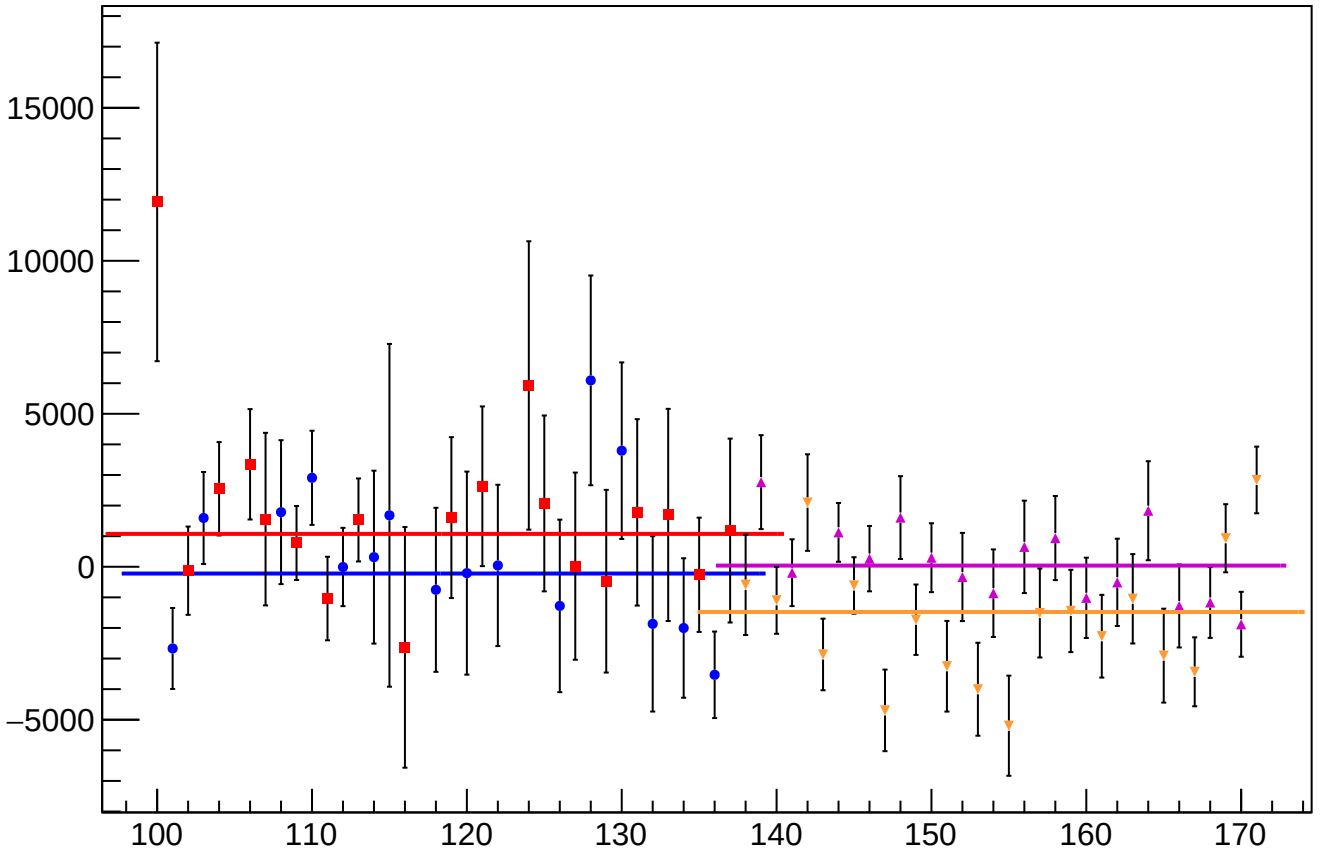
100
110
120
130
140
150
160
170
Right In: 149.130+/-0.040 χ²/NDF: 451005.1/15
Left Out: 159.027+/-0.030 χ²/NDF:323229.7/17
Right Out: 145.399+/-0.039 χ²/NDF: 525822.2/18
Left In: 159.084+/-0.031 χ²/NDF:190609.6/15
Left: 159.054+/-0.022 χ²/NDF: 513841.1/33
Right: 147.198+/-0.028 χ²/NDF: 981307.0/34
In: 155.308+/-0.025 χ²/NDF:679826.6/31
Out: 153.875+/-0.024 χ²/NDF:926141.4/36
All: 154.565+/-0.017 χ²/NDF: 1607713.3/68



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: 38.440+/-314.230 χ^2/NDF:14.3/15

Left: -750.721+/-217.583 χ^2/NDF: 74.2/33

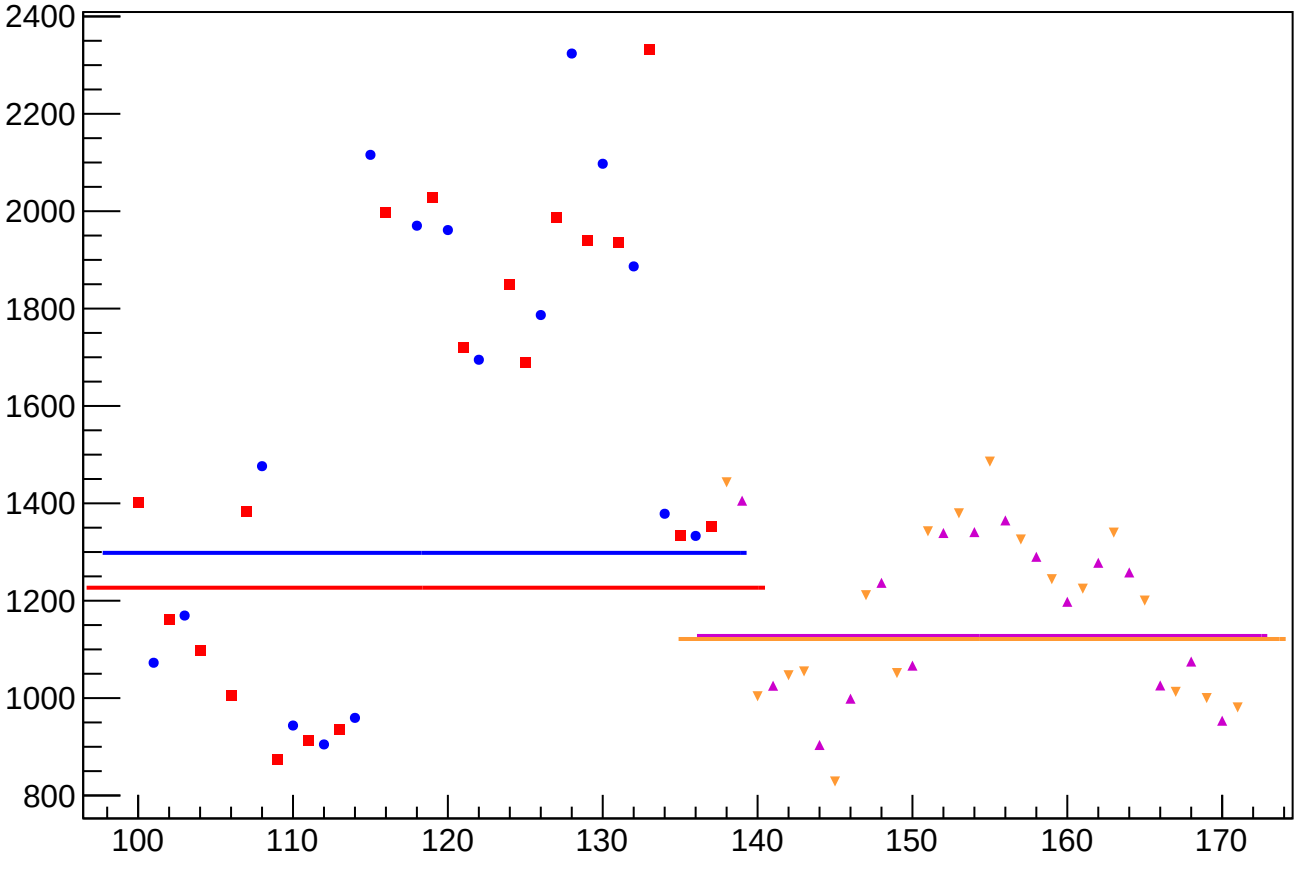
Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: -33.792+/-266.974 χ^2/NDF:36.4/31

Out: -739.604+/-254.260 χ^2/NDF:82.1/36

All: -403.904+/-184.120 χ^2/NDF: 122.1/68

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: 1127.616+/-0.222 χ^2/NDF:514545.5/15

Left: 1124.382+/-0.154 χ^2/NDF: 1238307.9/33

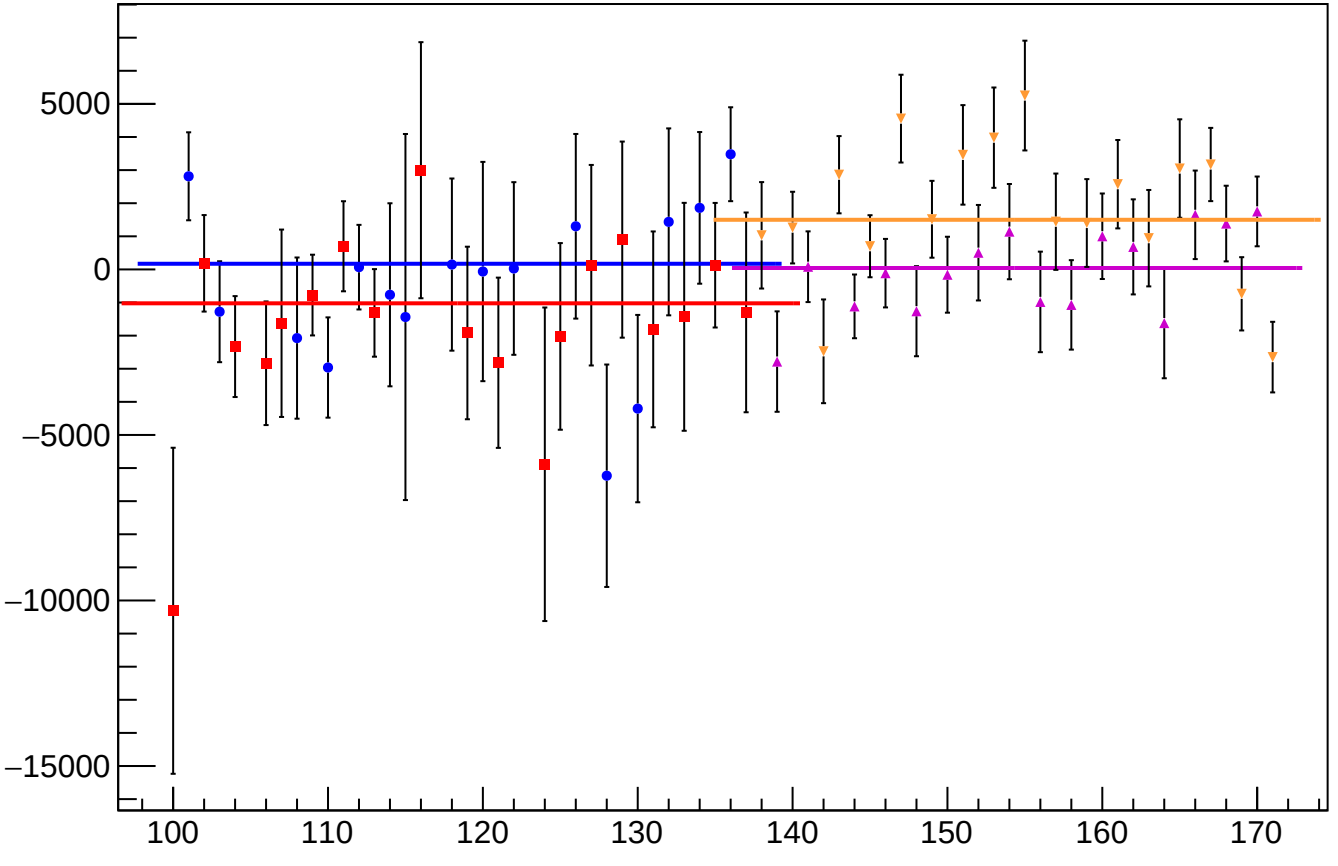
Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1175.091+/-0.189 χ^2/NDF:1860796.4/31

Out: 1151.862+/-0.180 χ^2/NDF:2198423.0/36

All: 1162.910+/-0.130 χ^2/NDF: 4067158.9/68

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: 43.035+/-312.487 χ^2/NDF:14.9/15

Left: 801.003+/-216.395 χ^2/NDF: 73.1/33

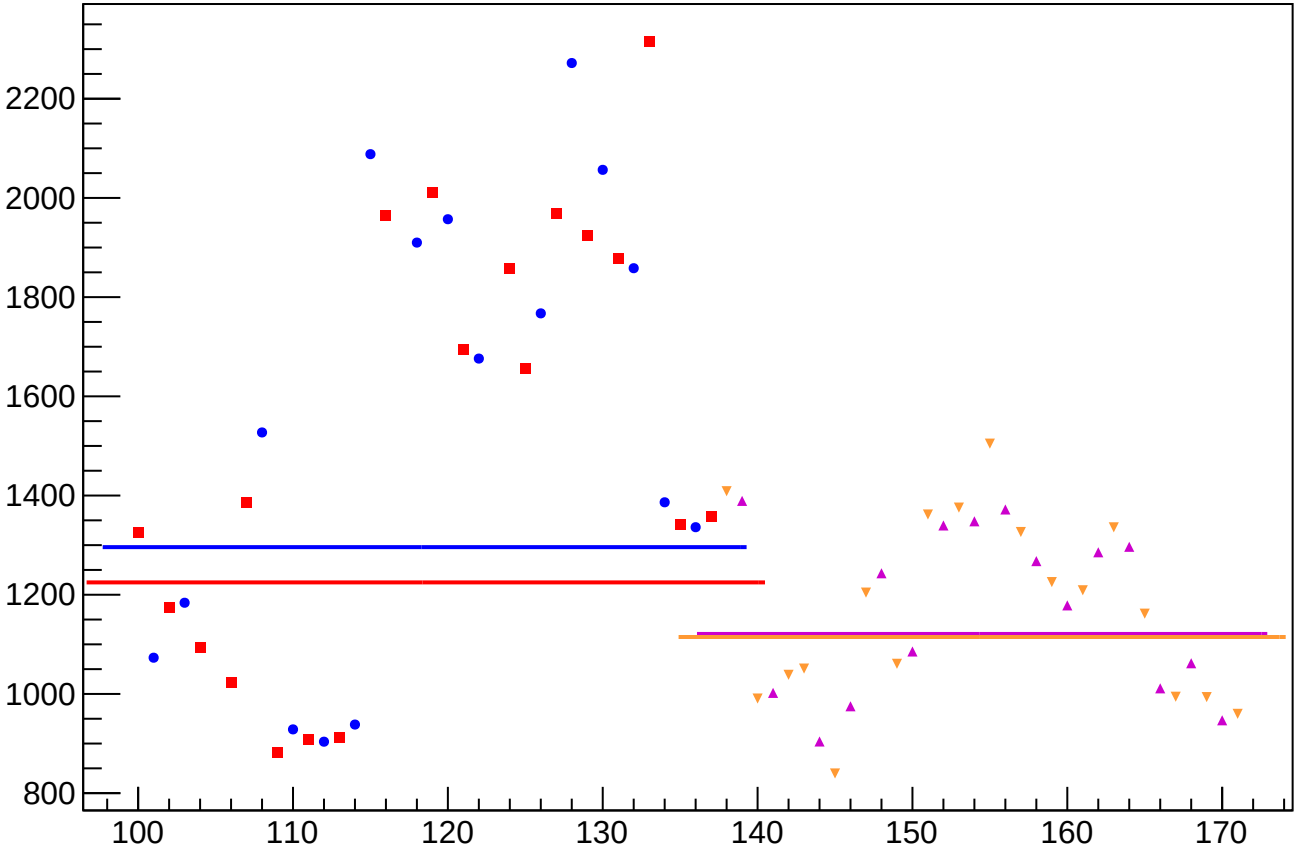
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: 78.468+/-265.748 χ^2/NDF:37.5/31

Out: 773.577+/-253.161 χ^2/NDF:78.8/36

All: 442.872+/-183.300 χ^2/NDF: 119.9/68

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: 1120.948+/-0.221 χ^2/NDF:546470.5/15

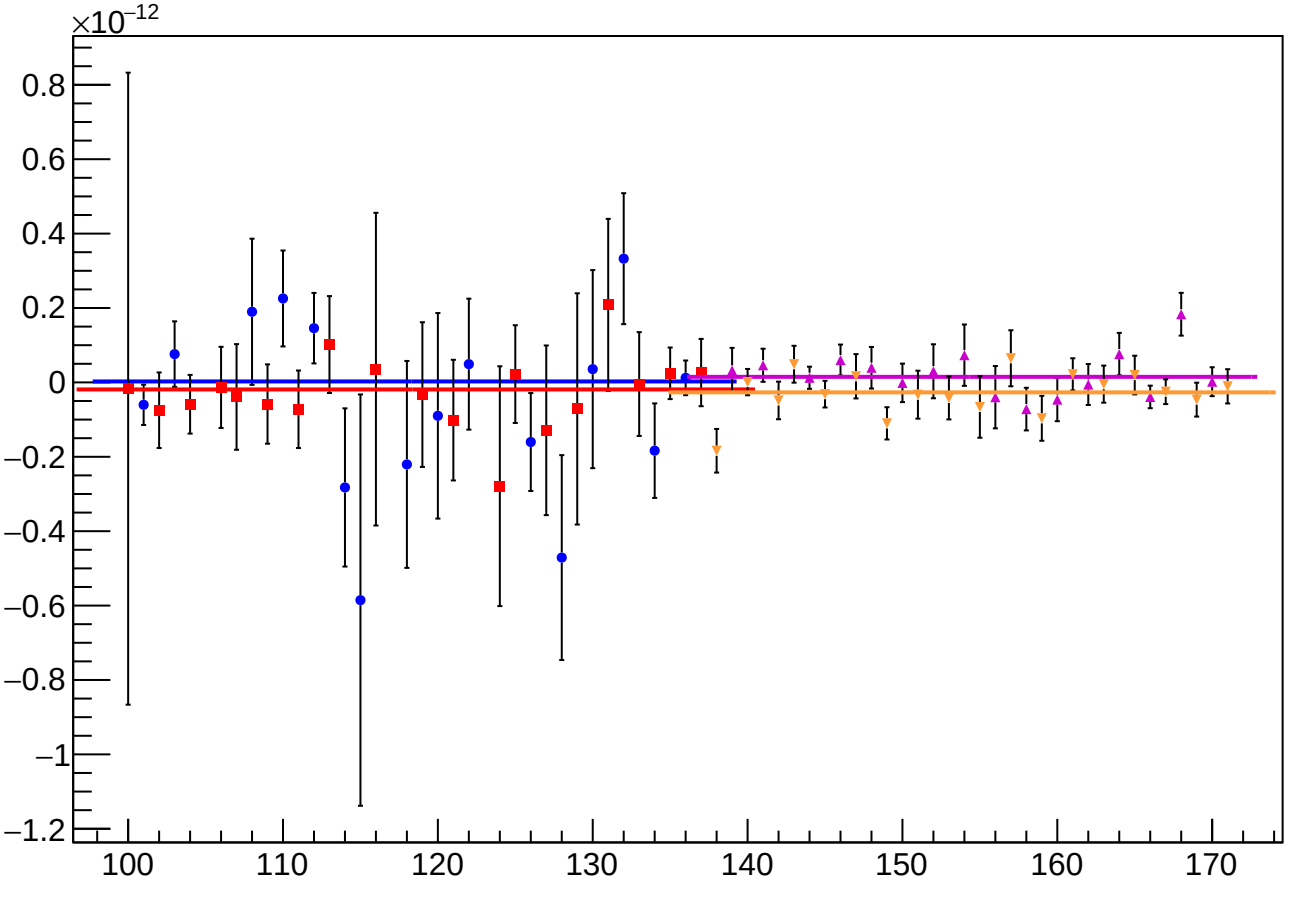
Left: 1117.749+/-0.153 χ^2/NDF: 1264646.8/33

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1169.394+/-0.188 χ^2/NDF:1874339.5/31

Out: 1146.466+/-0.179 χ^2/NDF:2166531.4/36

All: 1157.374+/-0.130 χ^2/NDF: 4048675.6/68



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:19.6/15

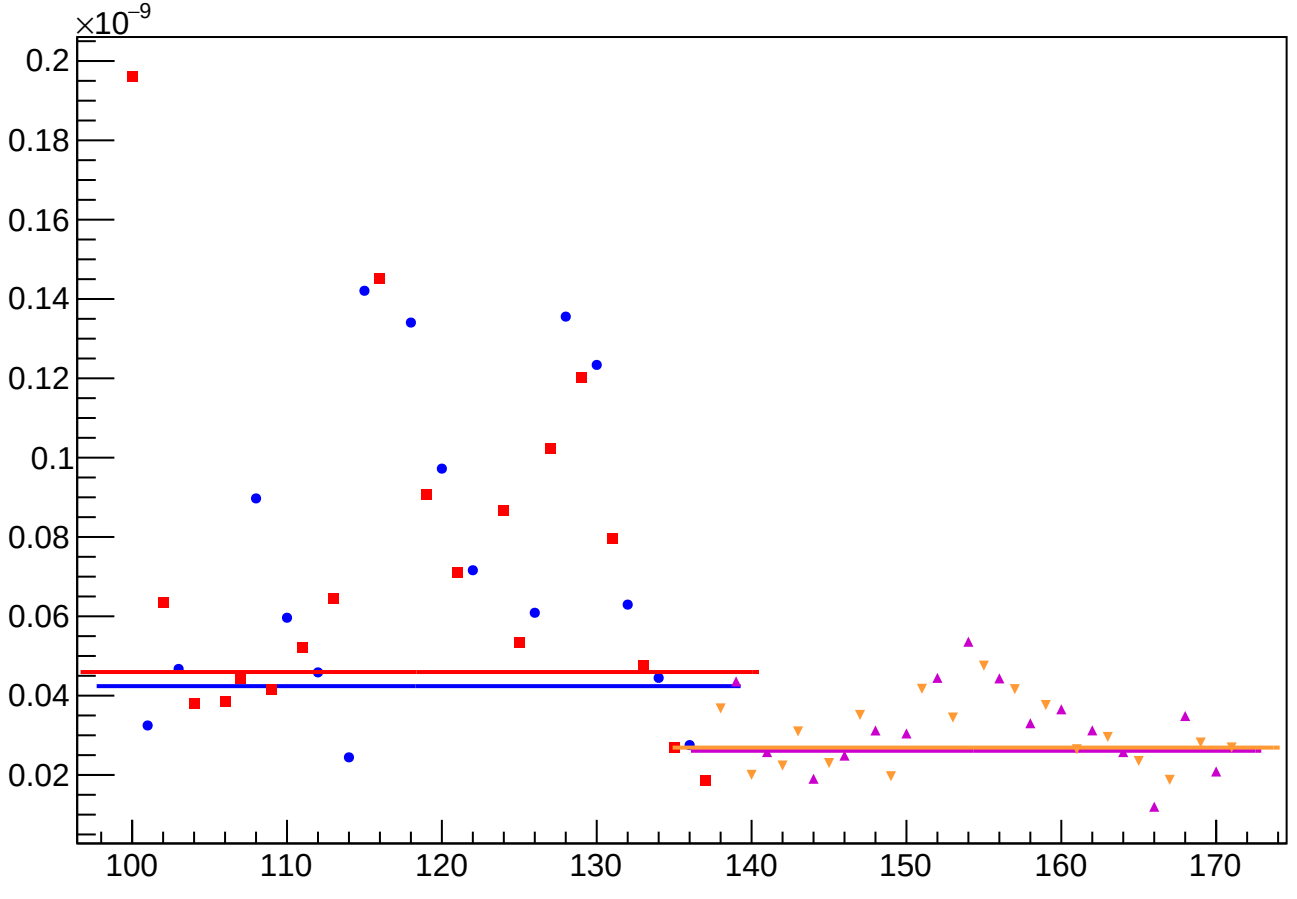
Left: -0.000+/-0.000 χ^2/NDF: 46.2/33

Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:41.9/31

Out: -0.000+/-0.000 χ^2/NDF:25.0/36

All: -0.000+/-0.000 χ^2/NDF: 73.4/68



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:1384488.4/15

Left: 0.000+/-0.000 χ^2/NDF: 2208734.9/33

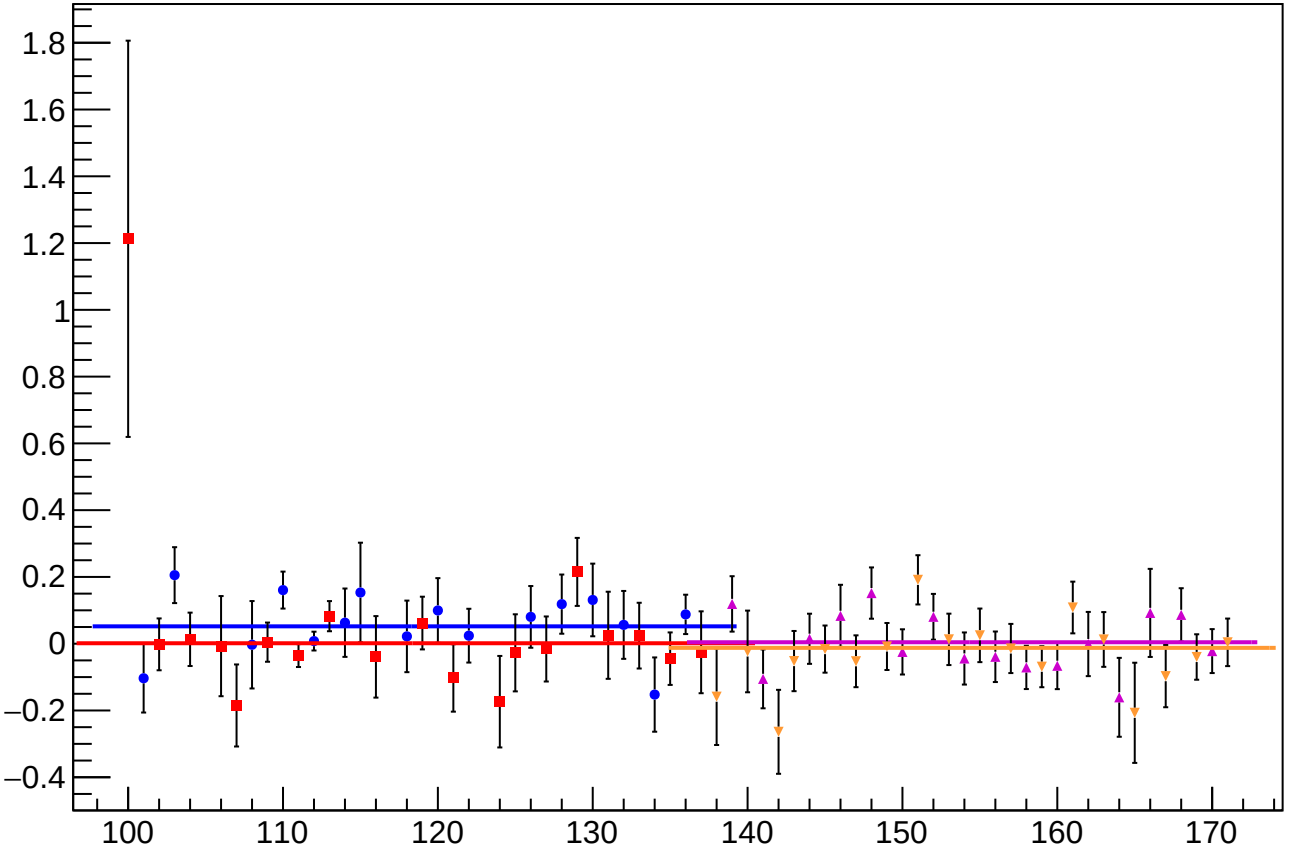
Right: 0.000+/-0.000 χ^2/NDF: 2476096.3/34

In: 0.000+/-0.000 χ^2/NDF:3340664.2/31

Out: 0.000+/-0.000 χ^2/NDF:2692290.7/36

All: 0.000+/-0.000 χ^2/NDF: 6036362.4/68

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.012+/-0.019 χ^2/NDF:19.6/17

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.020 χ^2/NDF:16.0/15

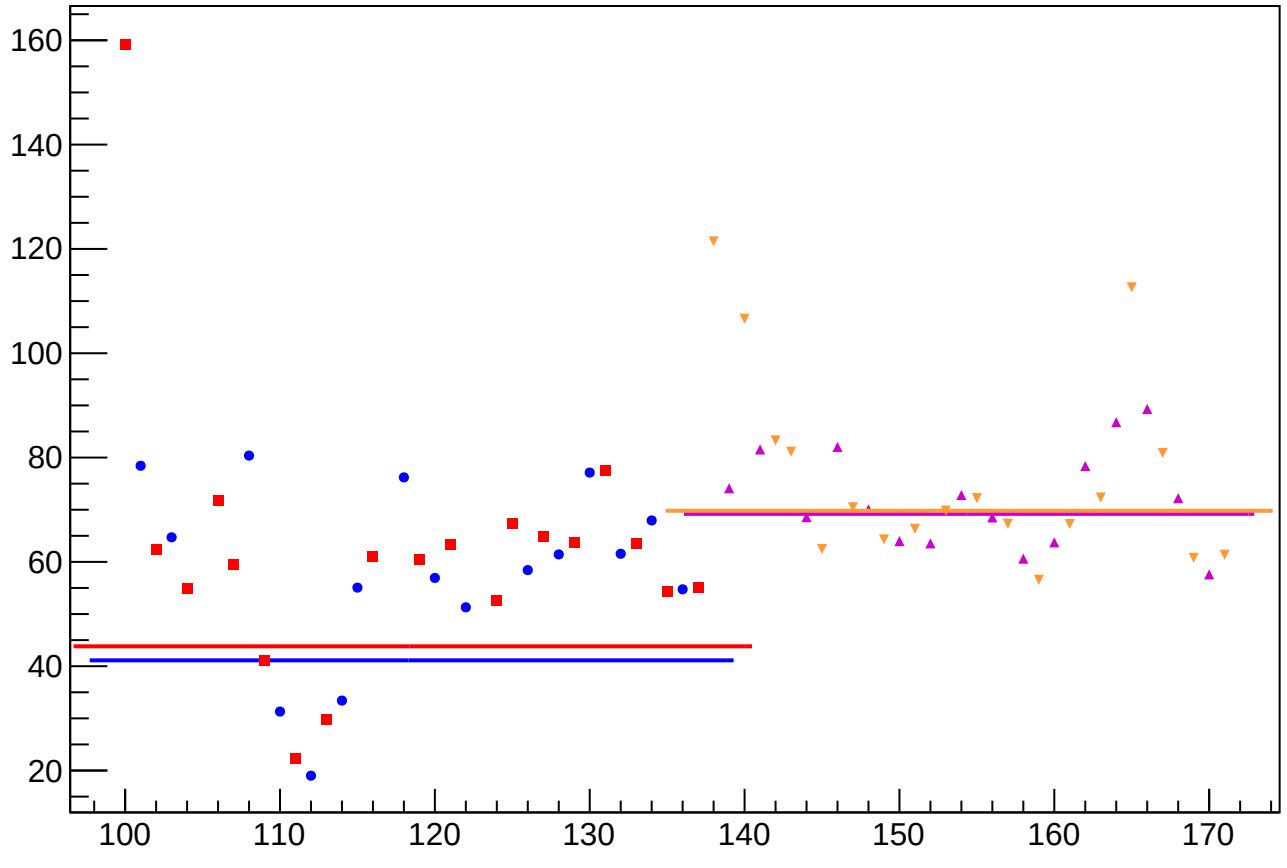
Left: -0.004+/-0.014 χ^2/NDF: 35.9/33

Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/36

All: 0.013+/-0.009 χ^2/NDF: 80.0/68



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: 69.204+/-0.014 χ^2/NDF:335707.3/15

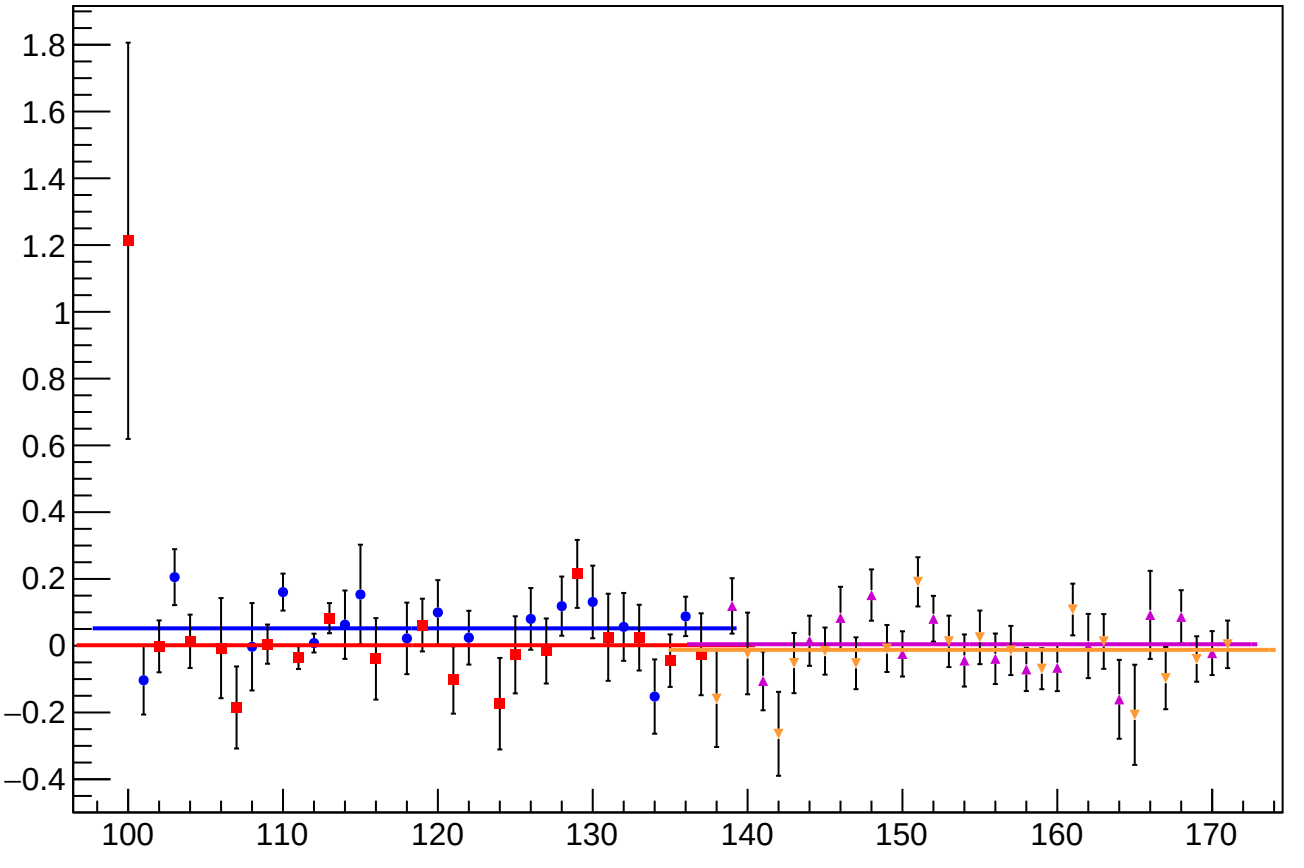
Left: 69.509+/-0.010 χ^2/NDF: 1221077.9/33

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 53.710+/-0.009 χ^2/NDF:5499934.4/31

Out: 55.922+/-0.009 χ^2/NDF:4890822.3/36

All: 54.824+/-0.007 χ^2/NDF: 10419040.4/68



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: 0.004+/-0.020 χ^2/NDF:16.0/15

Left: -0.004+/-0.014 χ^2/NDF: 35.9/33

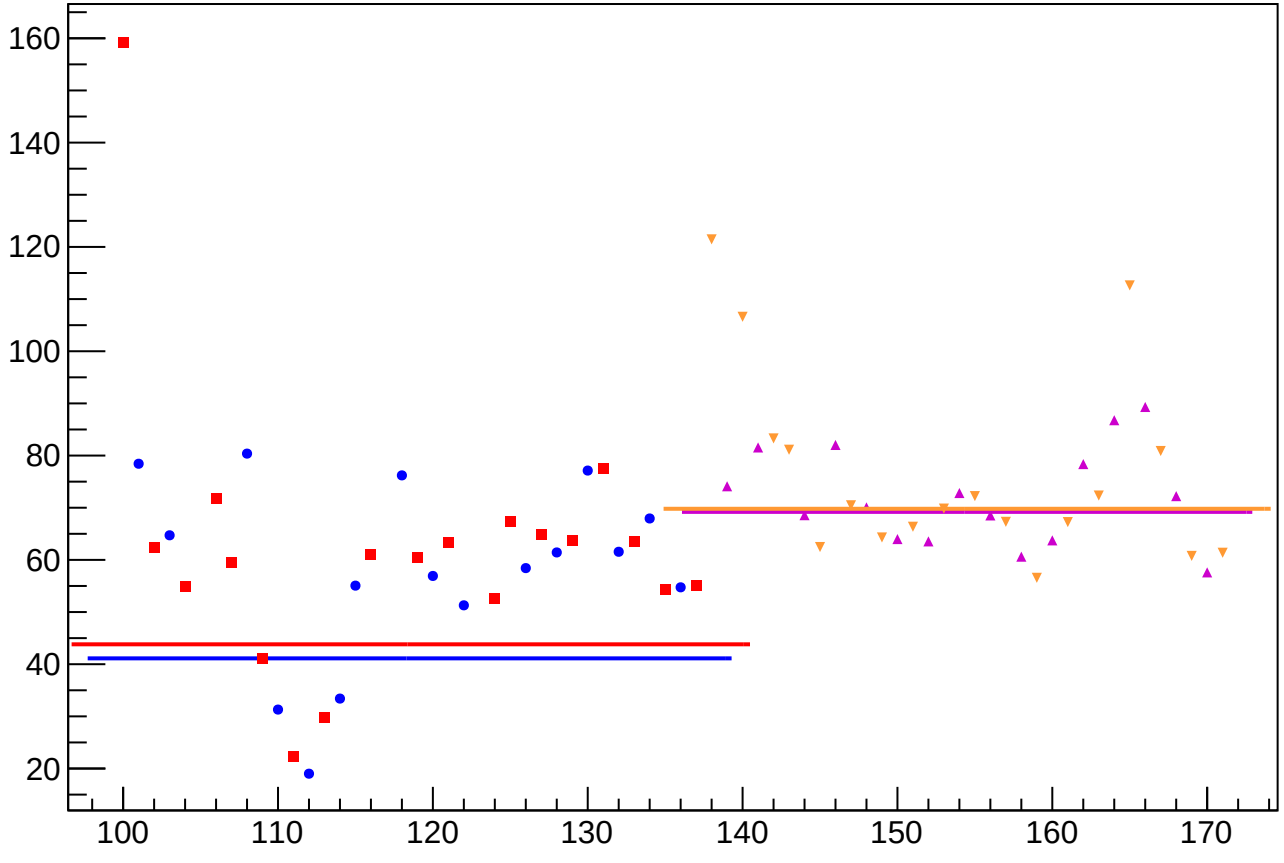
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/36

All: 0.013+/-0.009 χ^2/NDF: 80.0/68

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: 69.204+/-0.014 χ^2/NDF:335707.3/15

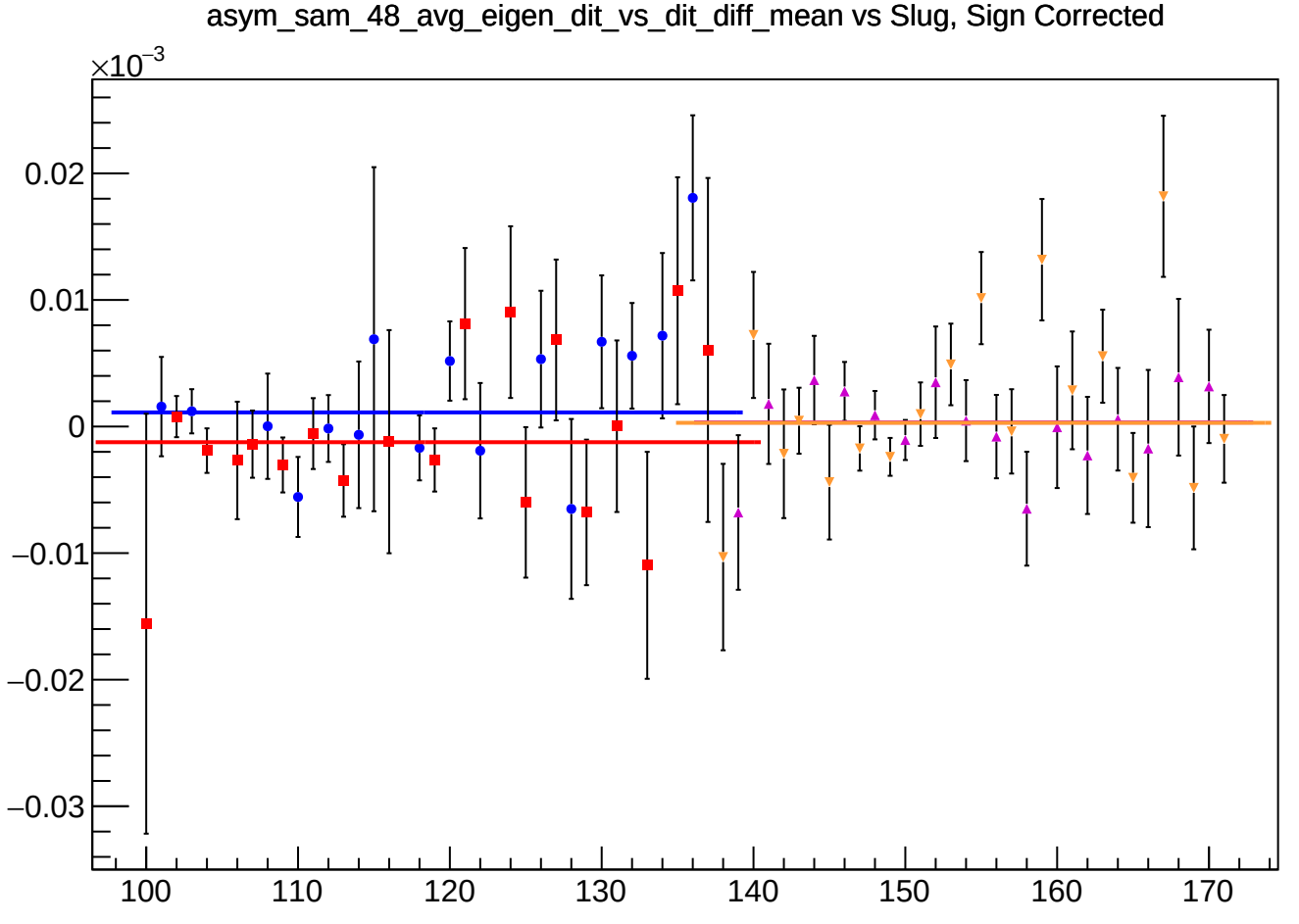
Left: 69.509+/-0.010 χ^2/NDF: 1221077.9/33

Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 53.710+/-0.009 χ^2/NDF:5499934.4/31

Out: 55.922+/-0.009 χ^2/NDF:4890822.3/36

All: 54.824+/-0.007 χ^2/NDF: 10419040.4/68



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:8.4/15

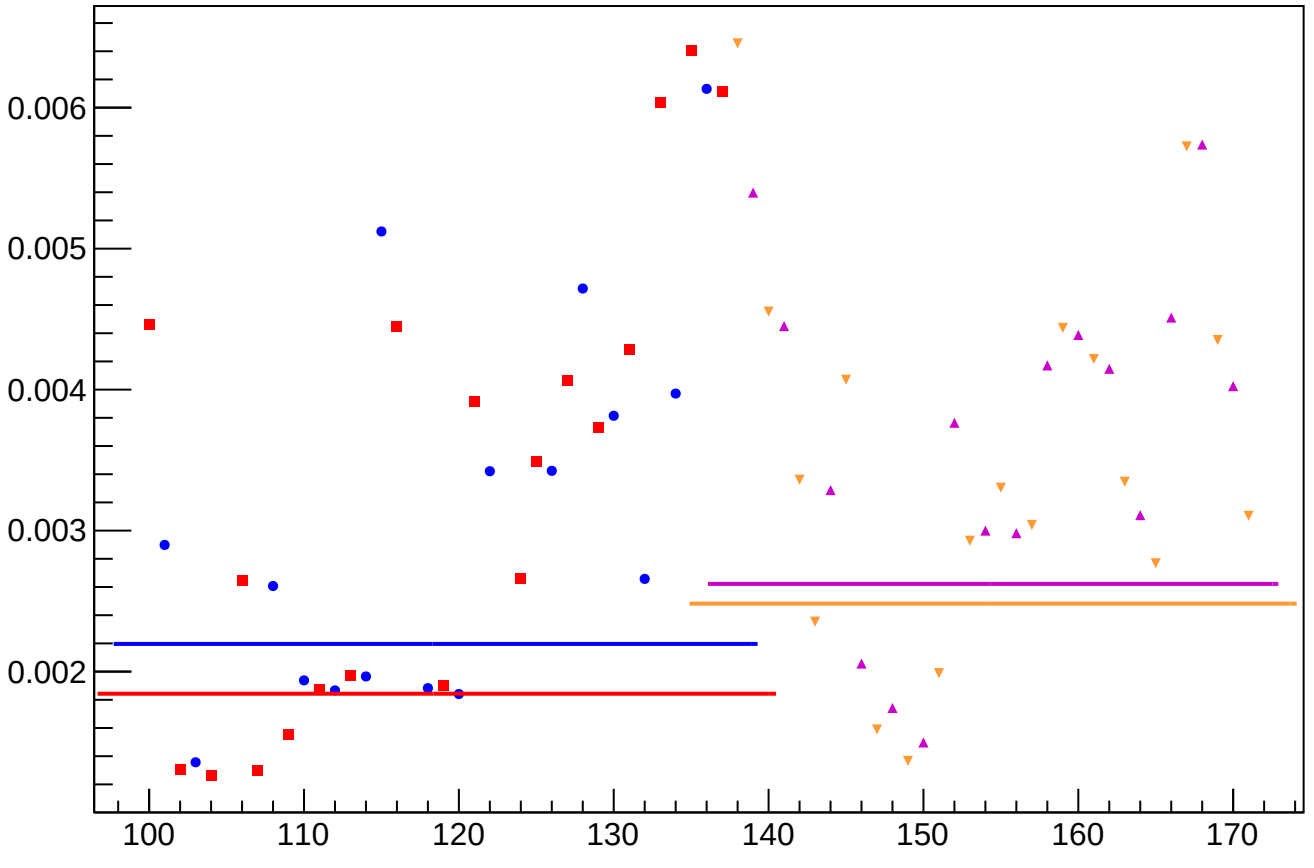
Left: 0.000+/-0.000 χ^2/NDF: 48.1/33

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: 0.000+/-0.000 χ^2/NDF:28.8/31

Out: -0.000+/-0.000 χ^2/NDF:57.7/36

All: 0.000+/-0.000 χ^2/NDF: 88.3/68



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: 0.003+/-0.000 χ^2/NDF:4161932.4/15

Left: 0.003+/-0.000 χ^2/NDF: 8954419.1/33

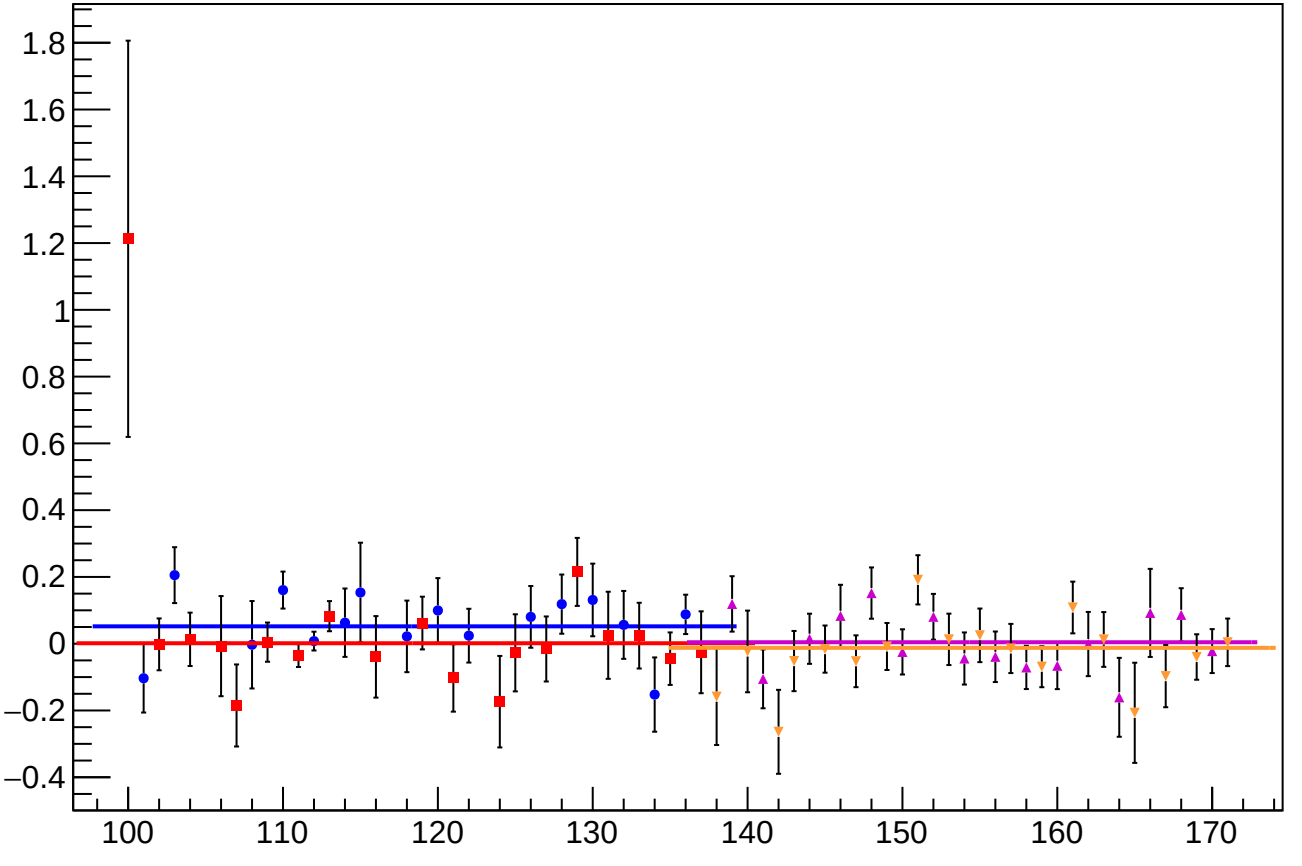
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:6701557.5/31

Out: 0.002+/-0.000 χ^2/NDF:8629190.8/36

All: 0.002+/-0.000 χ^2/NDF: 15538522.7/68

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.012+/-0.019 χ^2/NDF:19.6/17

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.004+/-0.020 χ^2/NDF:16.0/15

Left: -0.004+/-0.014 χ^2/NDF: 35.9/33

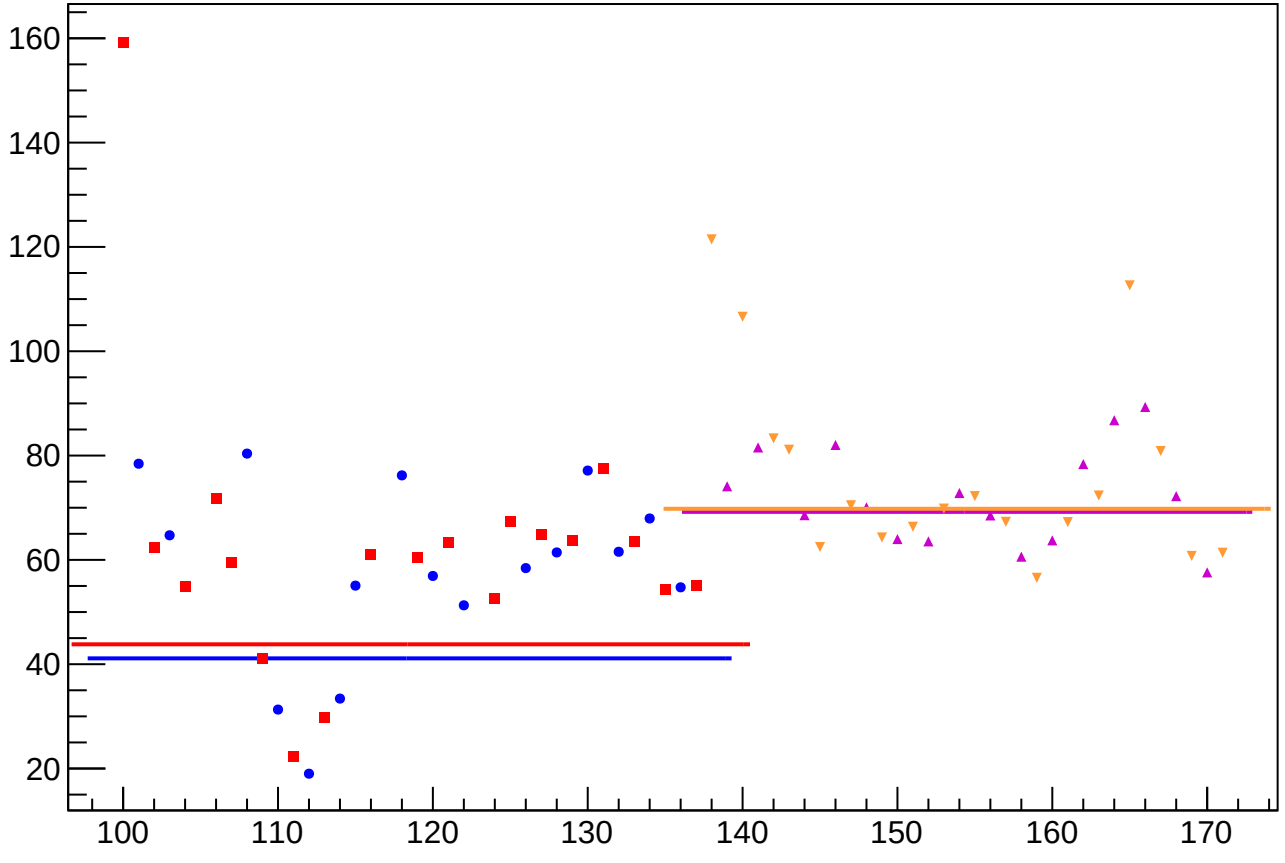
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/36

All: 0.013+/-0.009 χ^2/NDF: 80.0/68

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: 69.205+/-0.014 χ^2/NDF:335706.3/15

Left: 69.510+/-0.010 χ^2/NDF: 1221057.6/33

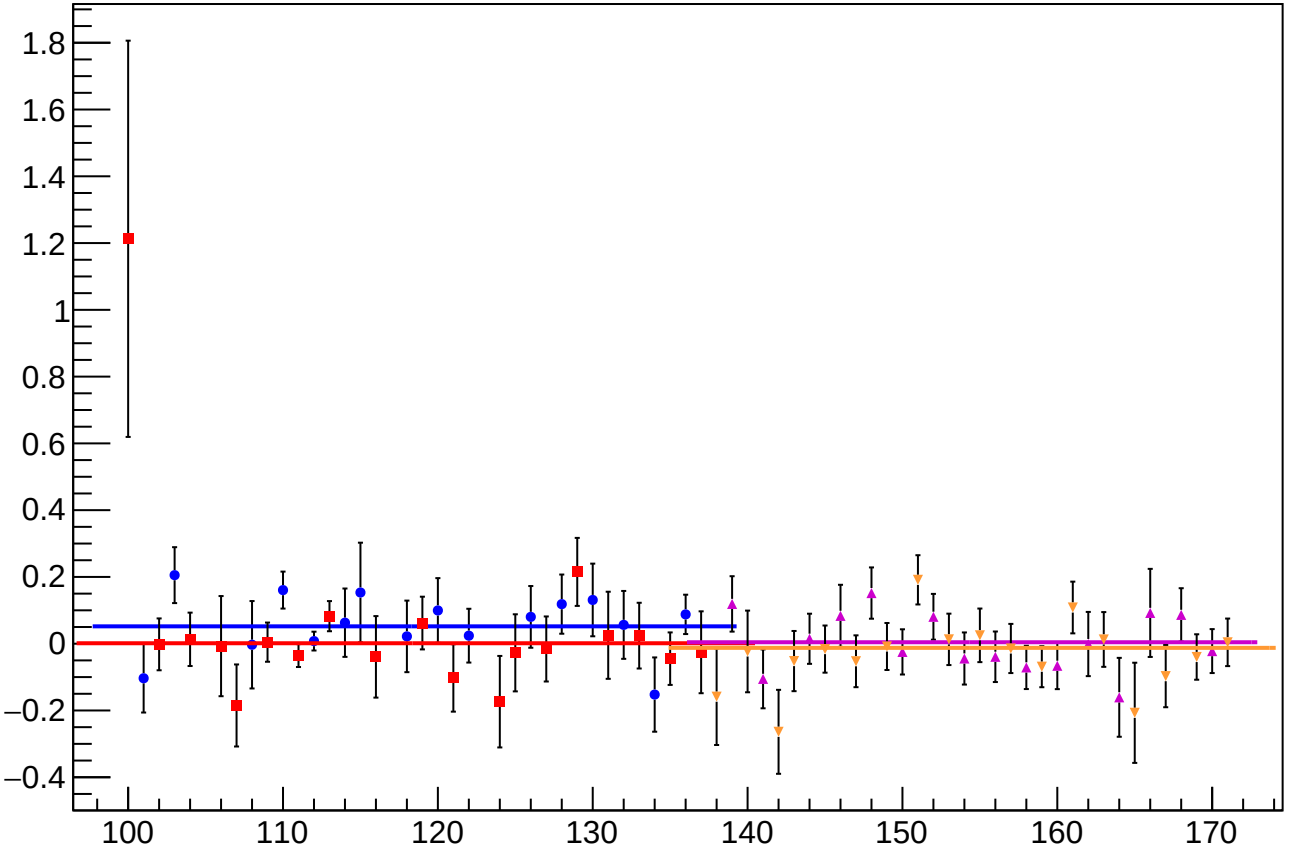
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 53.709+/-0.009 χ^2/NDF:5500343.9/31

Out: 55.921+/-0.009 χ^2/NDF:4891214.0/36

All: 54.824+/-0.007 χ^2/NDF: 10419844.3/68

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: 0.004+/-0.020 χ^2/NDF:16.0/15

Left: -0.004+/-0.014 χ^2/NDF: 35.9/33

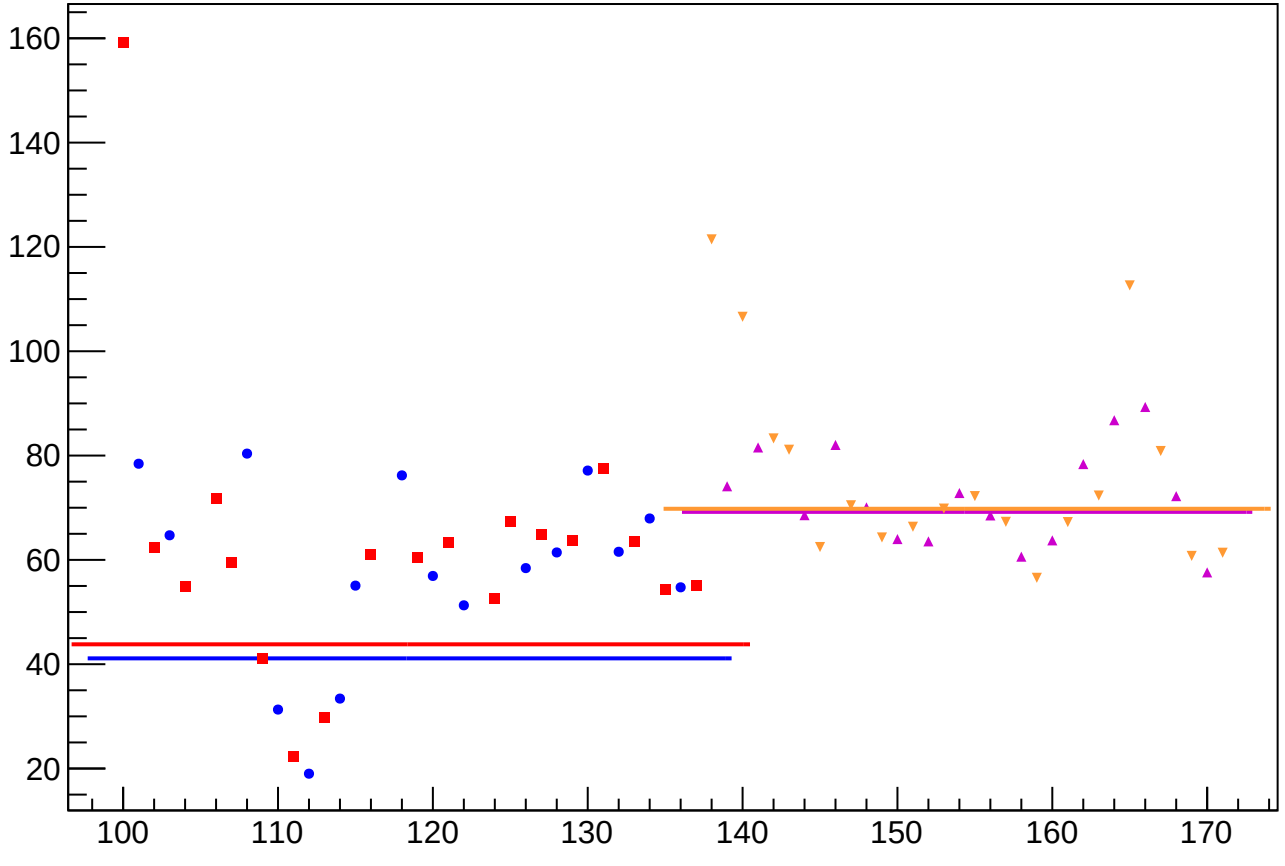
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:37.2/31

Out: -0.005+/-0.013 χ^2/NDF:39.1/36

All: 0.013+/-0.009 χ^2/NDF: 80.0/68

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: 69.205+/-0.014 χ^2/NDF:335706.3/15

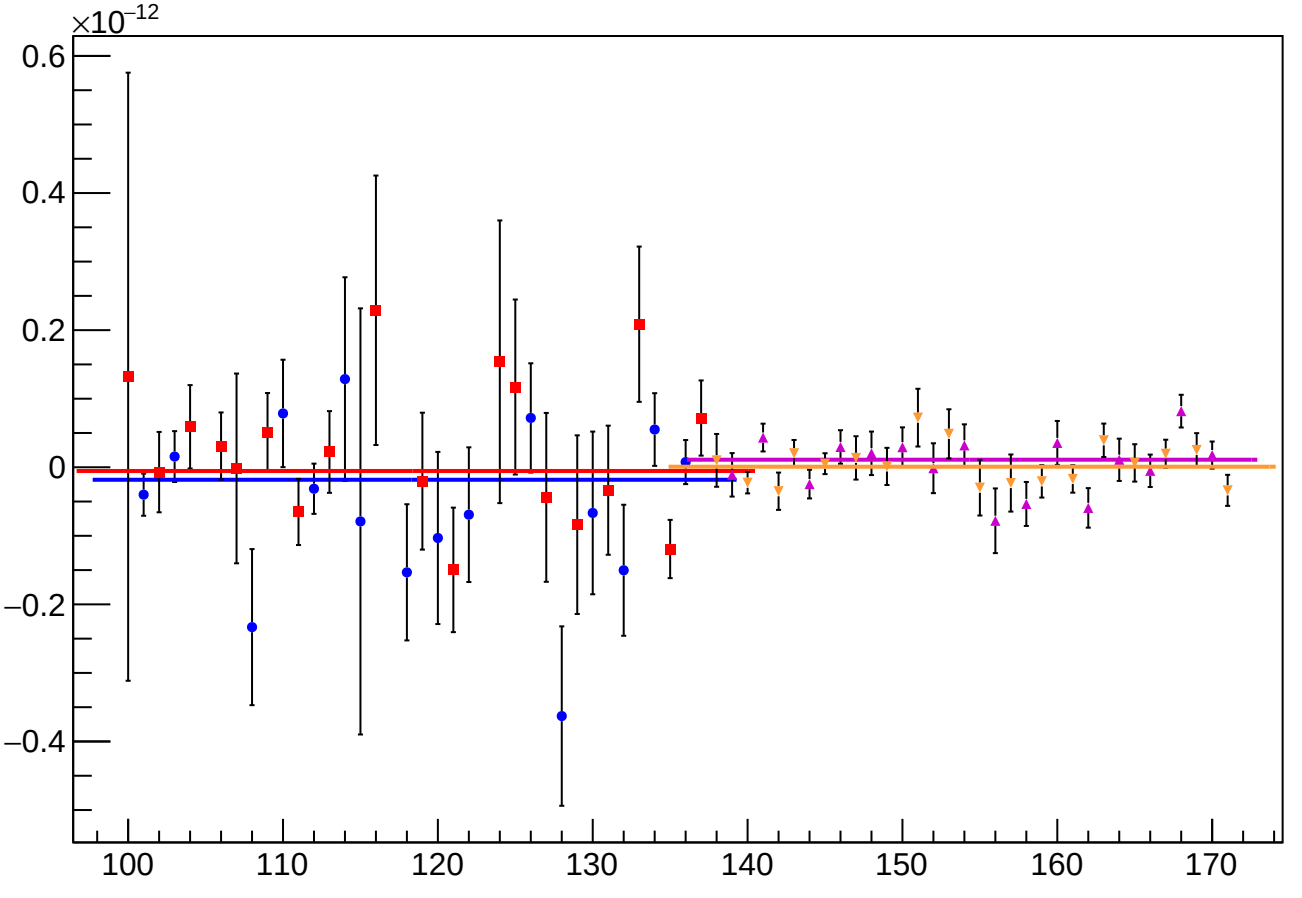
Left: 69.510+/-0.010 χ^2/NDF: 1221057.6/33

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 53.709+/-0.009 χ^2/NDF:5500343.9/31

Out: 55.921+/-0.009 χ^2/NDF:4891214.0/36

All: 54.824+/-0.007 χ^2/NDF: 10419844.3/68



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:31.1/15

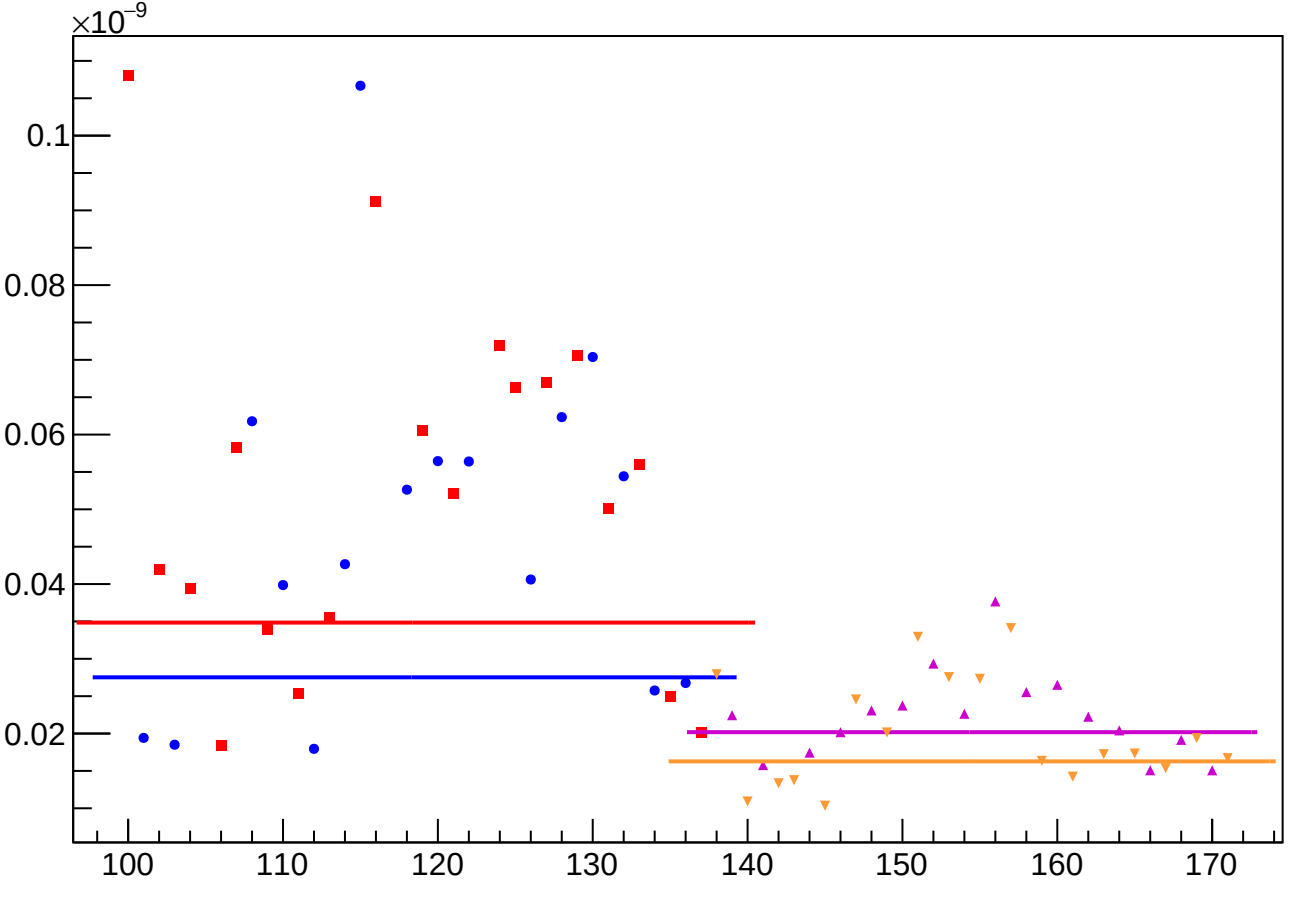
Left: 0.000+/-0.000 χ^2/NDF: 51.6/33

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:57.5/31

Out: 0.000+/-0.000 χ^2/NDF:42.6/36

All: 0.000+/-0.000 χ^2/NDF: 100.5/68



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:975965.3/15

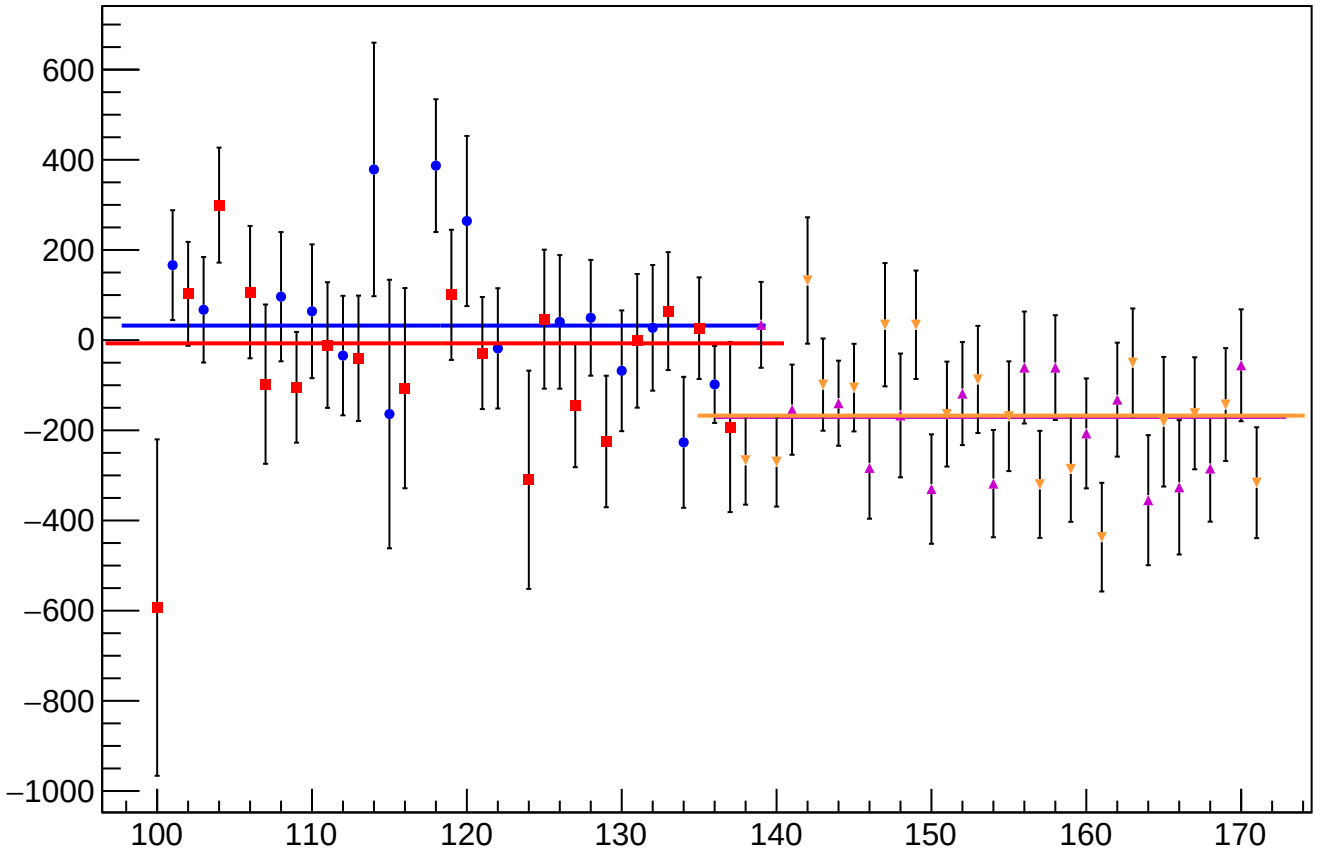
Left: 0.000+/-0.000 χ^2/NDF: 3418521.6/33

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3201788.5/31

Out: 0.000+/-0.000 χ^2/NDF:5944298.0/36

All: 0.000+/-0.000 χ^2/NDF: 9477844.1/68



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: -170.309+/-29.259 χ^2/NDF:15.6/15

Left: -168.762+/-20.062 χ^2/NDF: 38.7/33

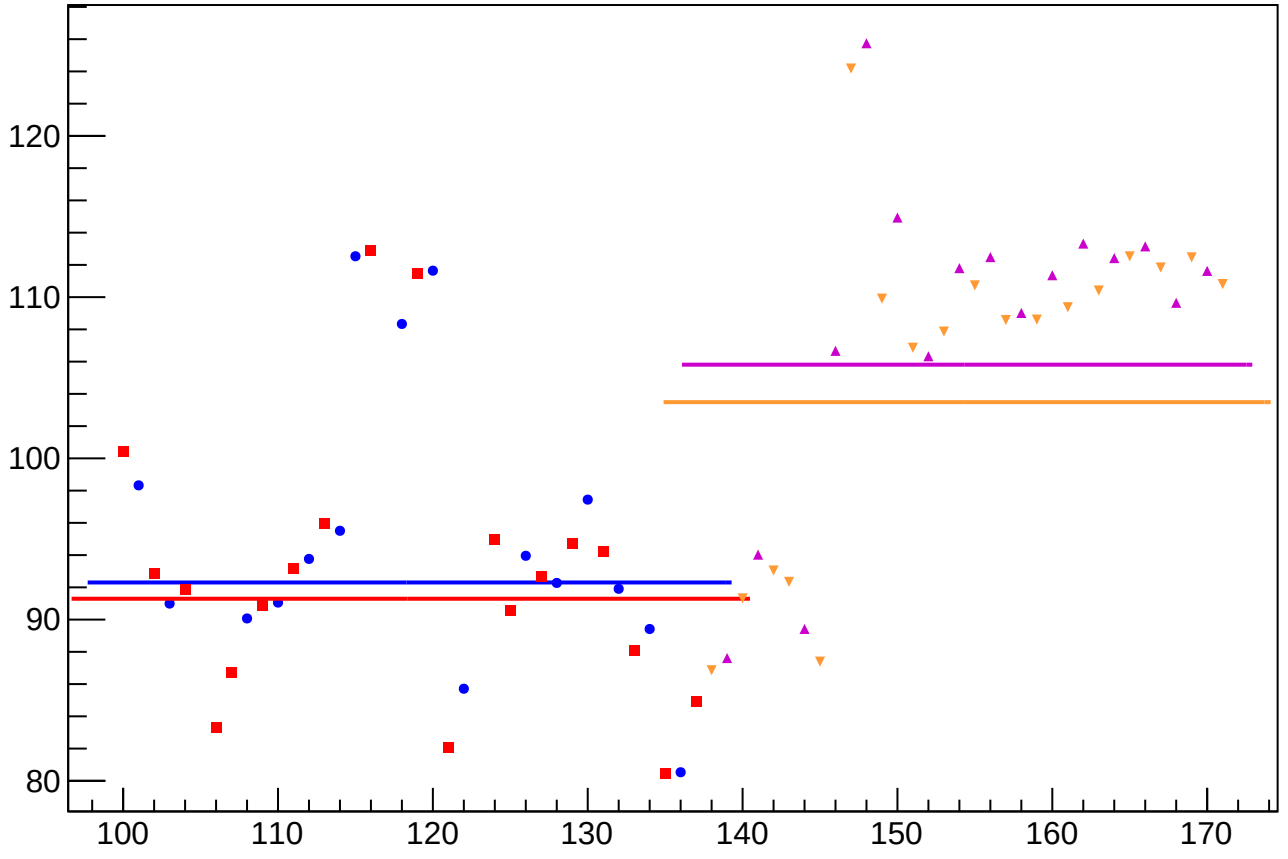
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -85.344+/-22.295 χ^2/NDF:53.0/31

Out: -102.490+/-21.263 χ^2/NDF:54.5/36

All: -94.323+/-15.387 χ^2/NDF: 107.9/68

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: 105.811+/-0.021 χ^2/NDF:253875.3/15

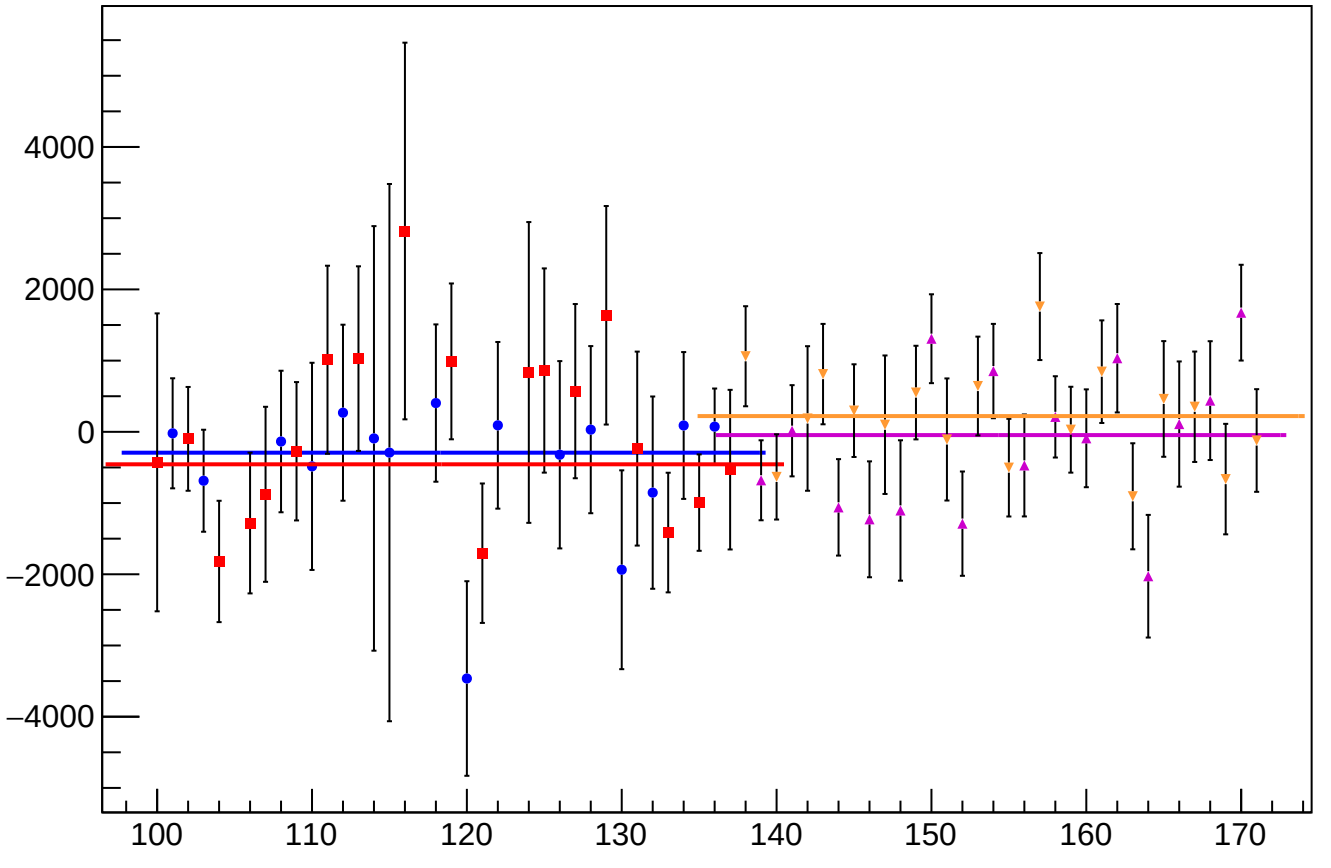
Left: 104.581+/-0.014 χ^2/NDF: 553660.2/33

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 100.146+/-0.016 χ^2/NDF:539722.4/31

Out: 98.552+/-0.015 χ^2/NDF:556708.5/36

All: 99.311+/-0.011 χ^2/NDF: 1101785.0/68



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: -45.671+/-176.229 χ^2/NDF:31.0/15

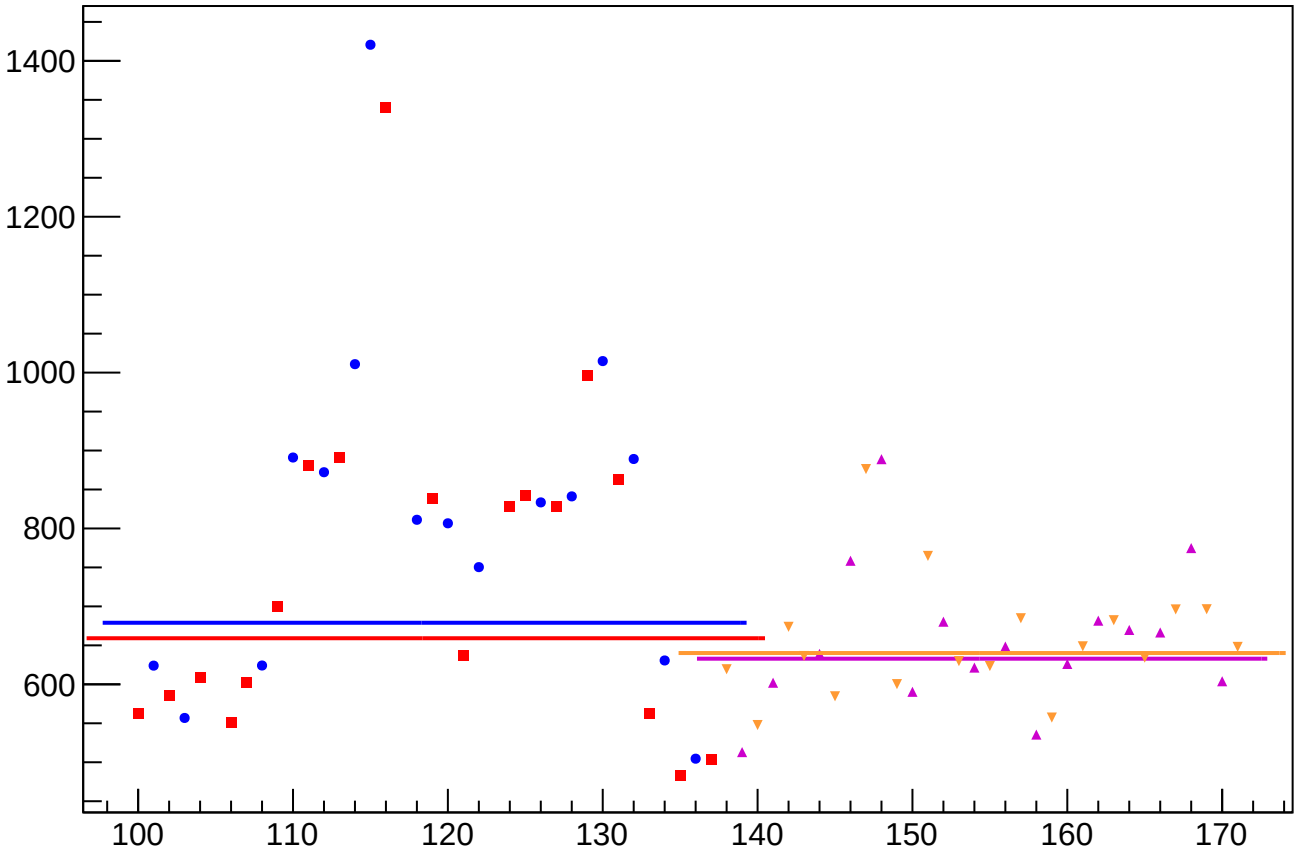
Left: 91.658+/-122.792 χ^2/NDF: 47.2/33

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -123.578+/-145.823 χ^2/NDF:40.4/31

Out: 3.595+/-141.015 χ^2/NDF:36.9/36

All: -57.860+/-101.370 χ^2/NDF: 77.8/68



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: 632.885+/-0.125 χ^2/NDF:432648.8/15

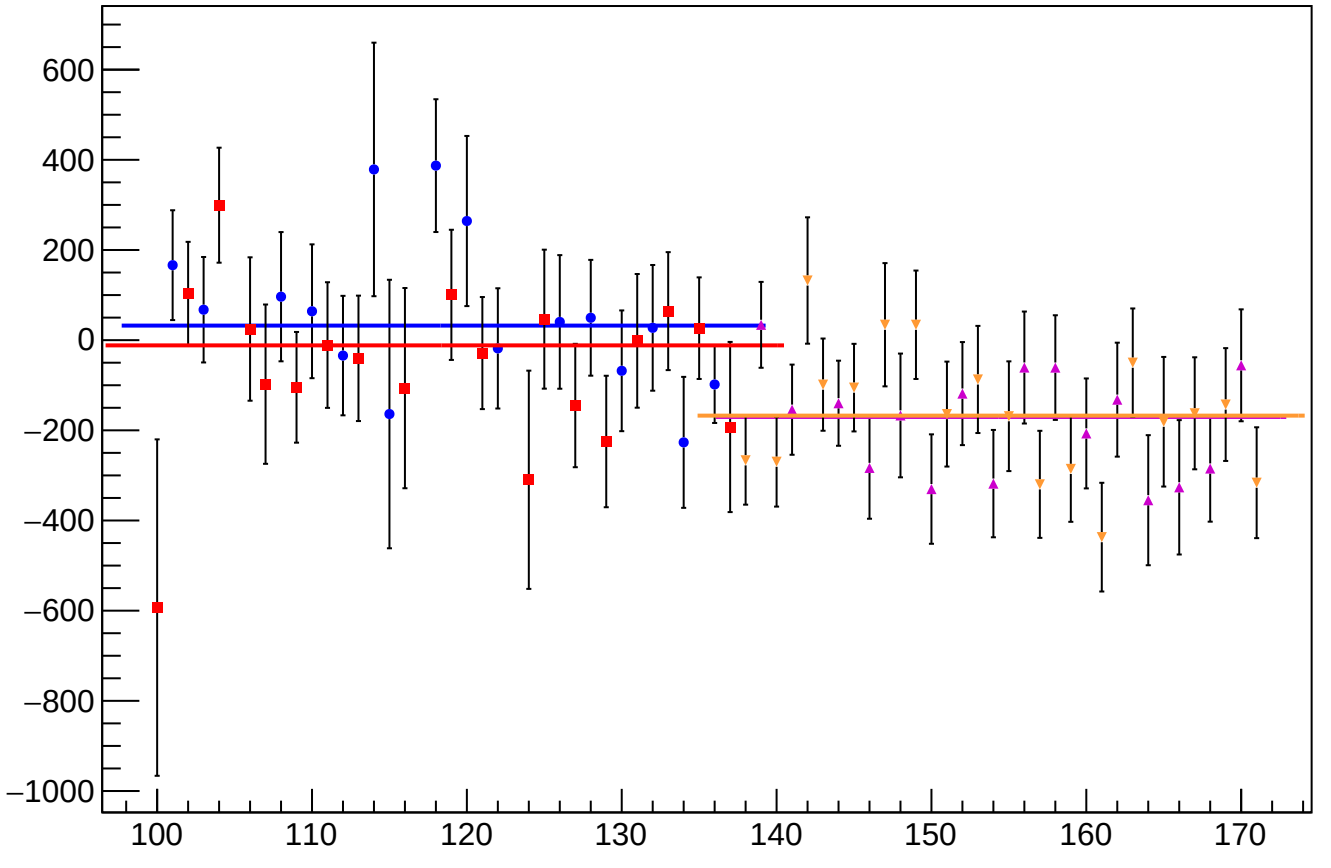
Left: 636.626+/-0.087 χ^2/NDF: 742510.4/33

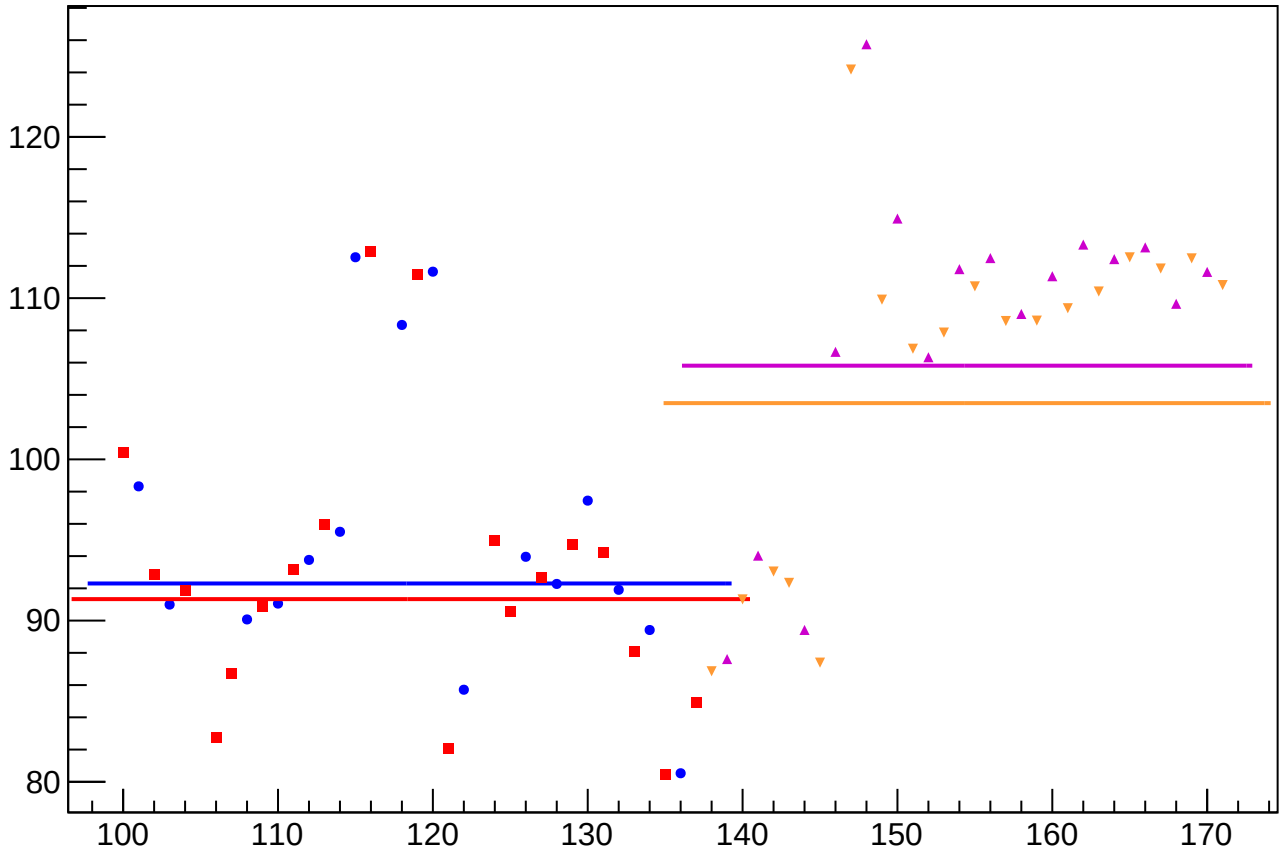
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 647.427+/-0.103 χ^2/NDF:1243818.1/31

Out: 646.256+/-0.100 χ^2/NDF:1111890.1/36

All: 646.821+/-0.072 χ^2/NDF: 2355774.8/68


cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -167.387+/-27.562 χ²/NDF:23.1/17
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -170.313+/-29.259 χ²/NDF:15.6/15
Left: -168.762+/-20.062 χ²/NDF: 38.7/33
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -85.339+/-22.295 χ²/NDF:53.0/31
Out: -104.601+/-21.296 χ²/NDF:53.1/36
All: -95.411+/-15.400 χ²/NDF: 106.6/68



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: 105.811+/-0.021 χ^2/NDF:253875.3/15

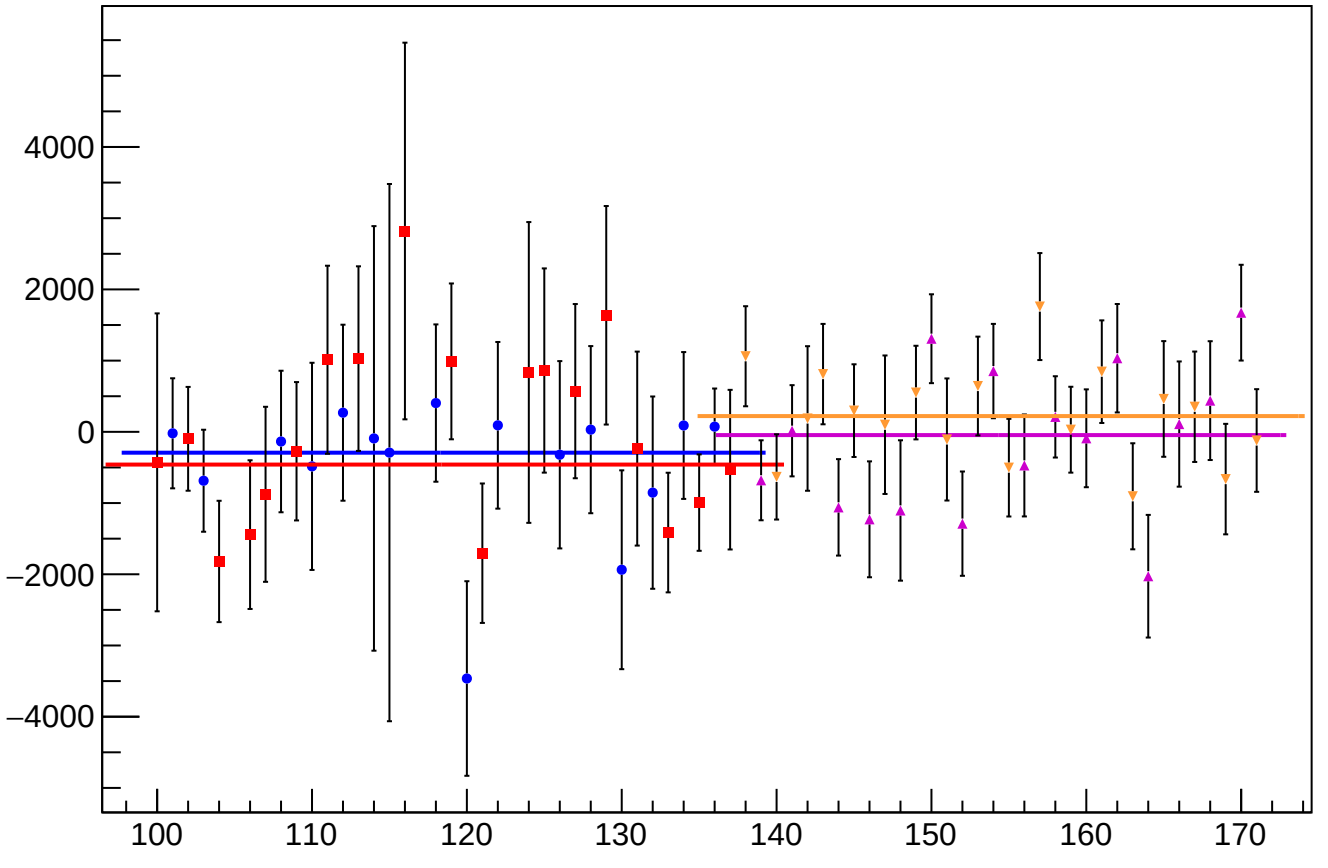
Left: 104.581+/-0.014 χ^2/NDF: 553660.2/33

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.146+/-0.016 χ^2/NDF:539722.3/31

Out: 98.590+/-0.015 χ^2/NDF:554815.7/36

All: 99.332+/-0.011 χ^2/NDF: 1099632.3/68



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: -45.673+/-176.229 χ^2/NDF:31.0/15

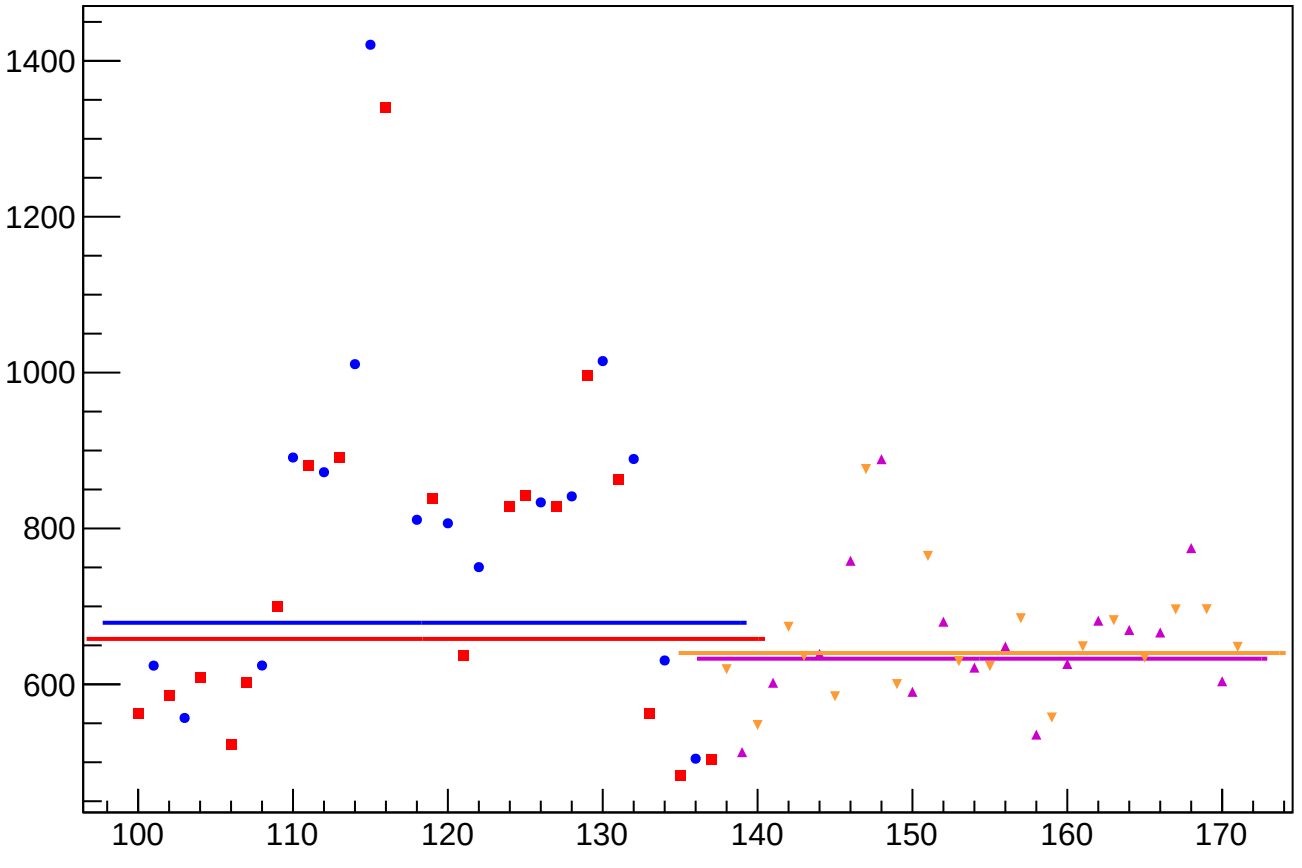
Left: 91.656+/-122.792 χ^2/NDF: 47.2/33

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -123.579+/-145.823 χ^2/NDF:40.4/31

Out: 3.368+/-141.165 χ^2/NDF:37.2/36

All: -58.046+/-101.425 χ^2/NDF: 78.0/68



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: 632.886+/-0.125 χ^2/NDF:432650.0/15

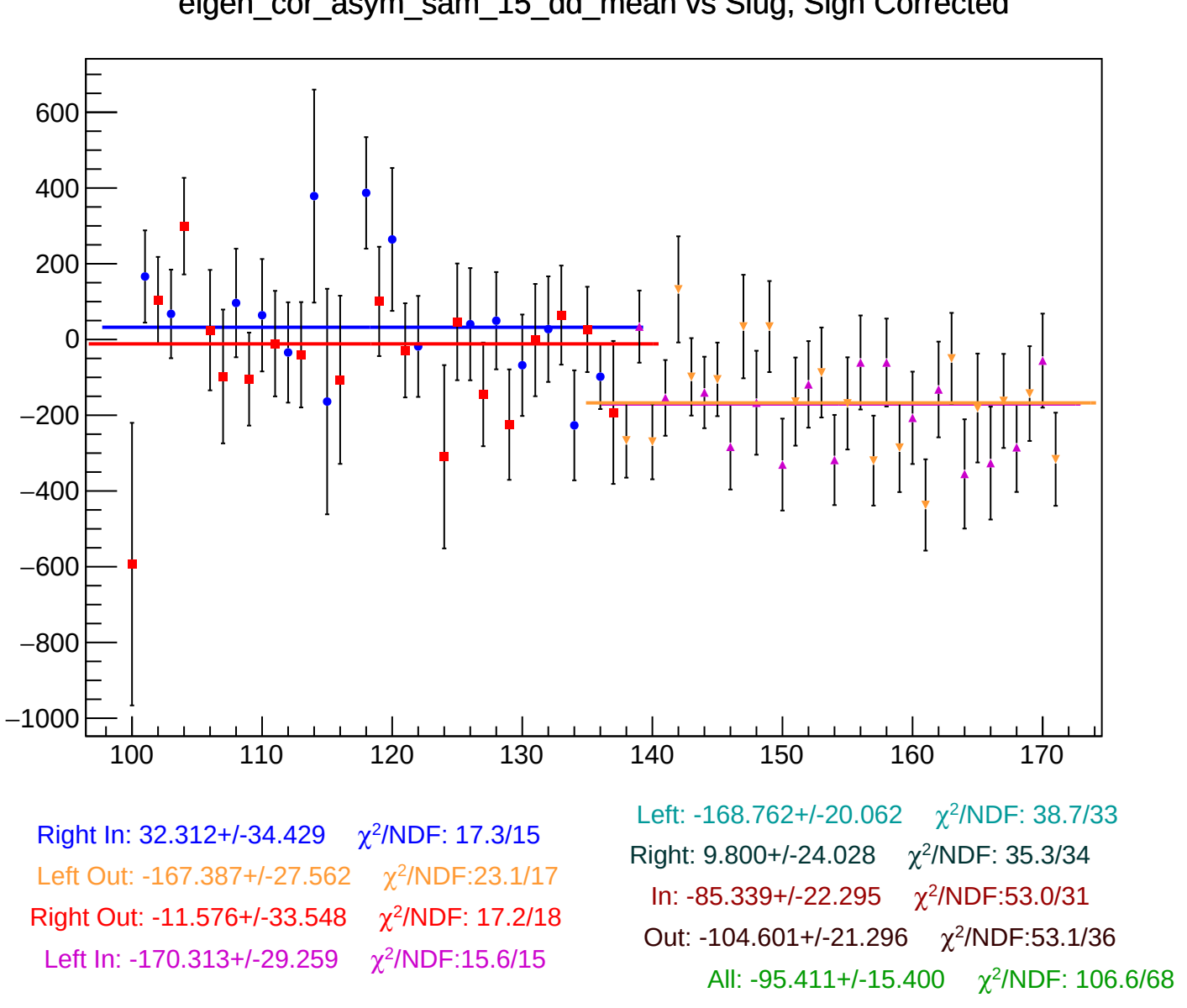
Left: 636.626+/-0.087 χ^2/NDF: 742512.8/33

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 647.427+/-0.103 χ^2/NDF:1243820.3/31

Out: 645.949+/-0.100 χ^2/NDF:1121170.0/36

All: 646.664+/-0.072 χ^2/NDF: 2365096.3/68


eigen_cor_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
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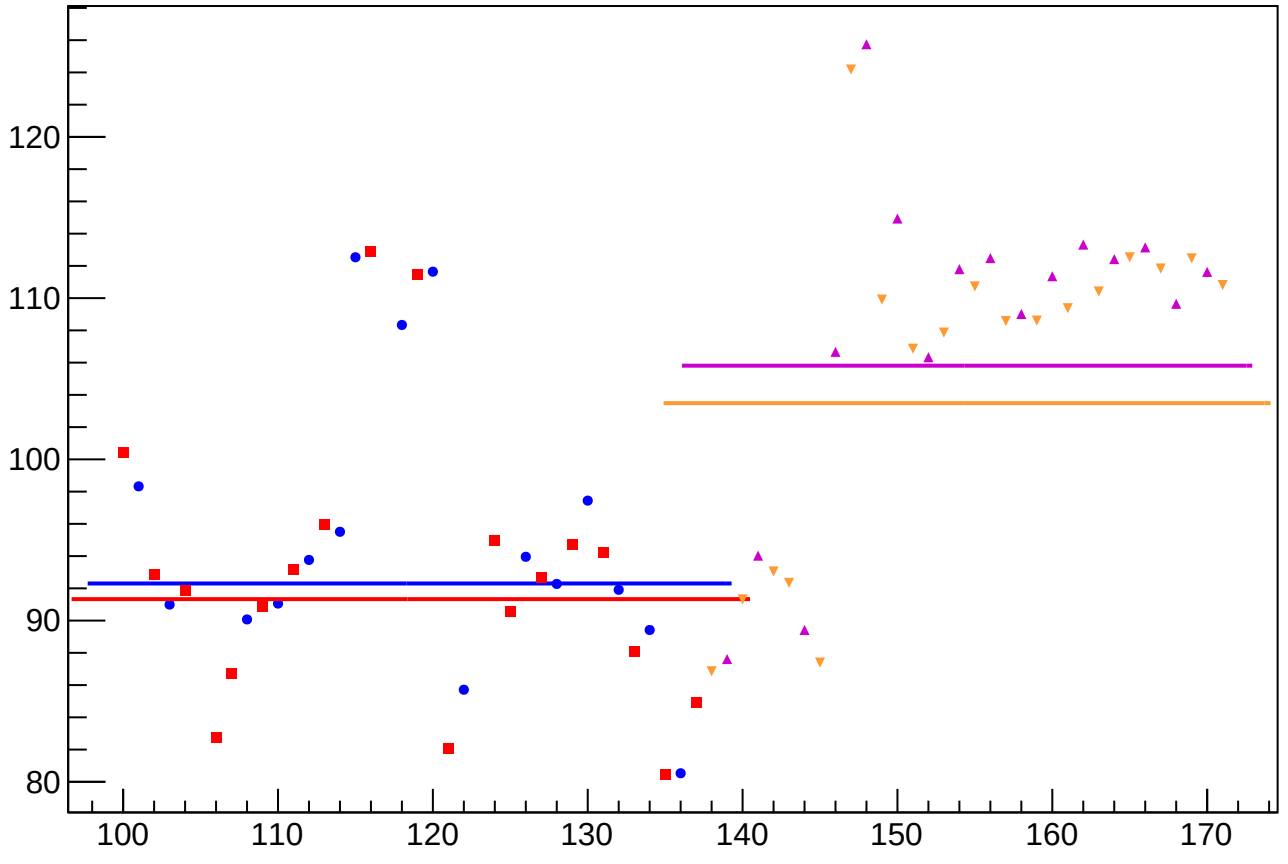
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 32.312+/-34.429 χ²/NDF: 17.3/15
Left Out: -167.387+/-27.562 χ²/NDF:23.1/17
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -170.313+/-29.259 χ²/NDF:15.6/15
Left: -168.762+/-20.062 χ²/NDF: 38.7/33
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -85.339+/-22.295 χ²/NDF:53.0/31
Out: -104.601+/-21.296 χ²/NDF:53.1/36
All: -95.411+/-15.400 χ²/NDF: 106.6/68



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: 105.811+/-0.021 χ^2/NDF:253875.3/15

Left: 104.581+/-0.014 χ^2/NDF: 553660.2/33

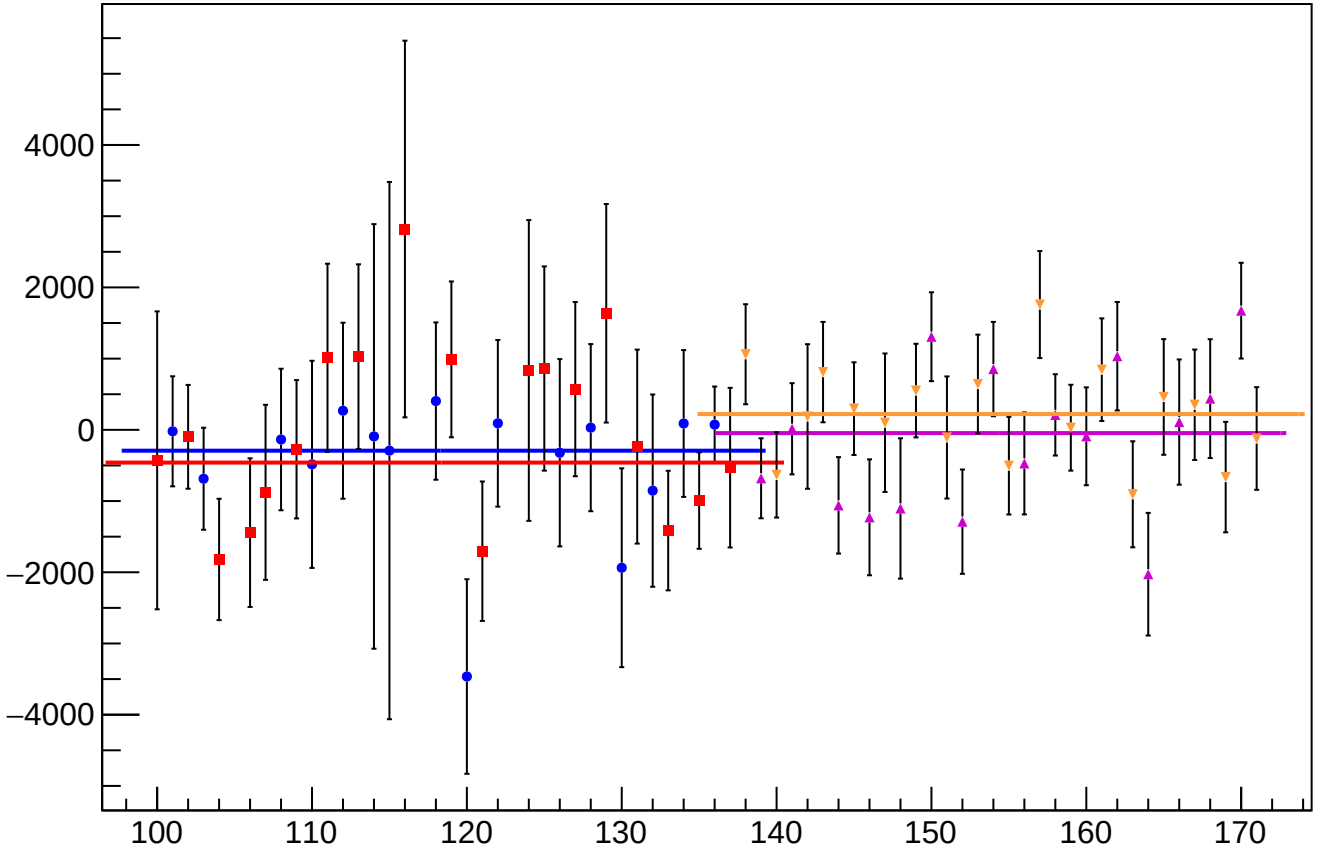
Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.146+/-0.016 χ^2/NDF:539722.3/31

Out: 98.590+/-0.015 χ^2/NDF:554815.7/36

All: 99.332+/-0.011 χ^2/NDF: 1099632.3/68

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 221.243+/-171.189 χ^2/NDF:15.1/17

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -45.673+/-176.229 χ^2/NDF:31.0/15

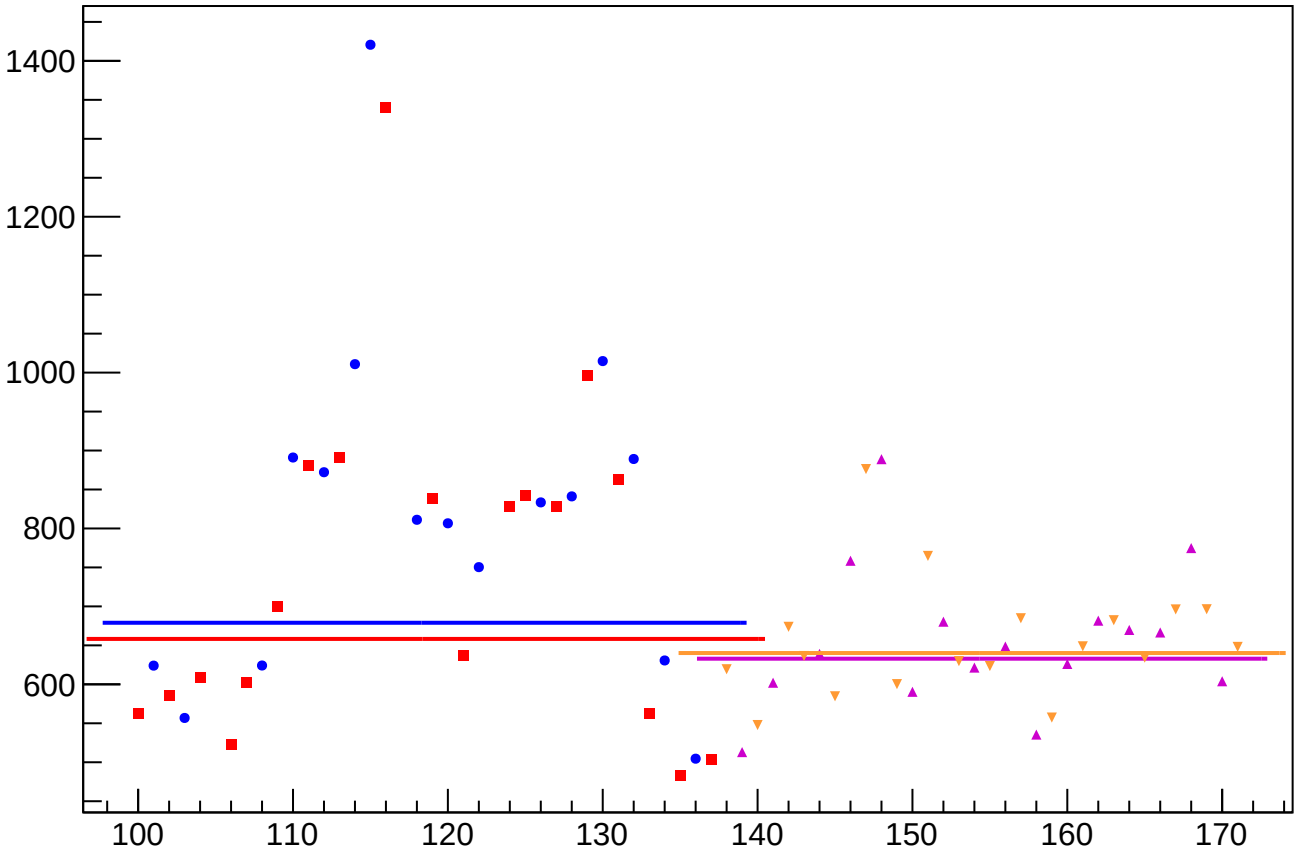
Left: 91.656+/-122.792 χ^2/NDF: 47.2/33

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -123.579+/-145.823 χ^2/NDF:40.4/31

Out: 3.368+/-141.165 χ^2/NDF:37.2/36

All: -58.046+/-101.425 χ^2/NDF: 78.0/68



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: 632.886+/-0.125 χ^2/NDF:432650.0/15

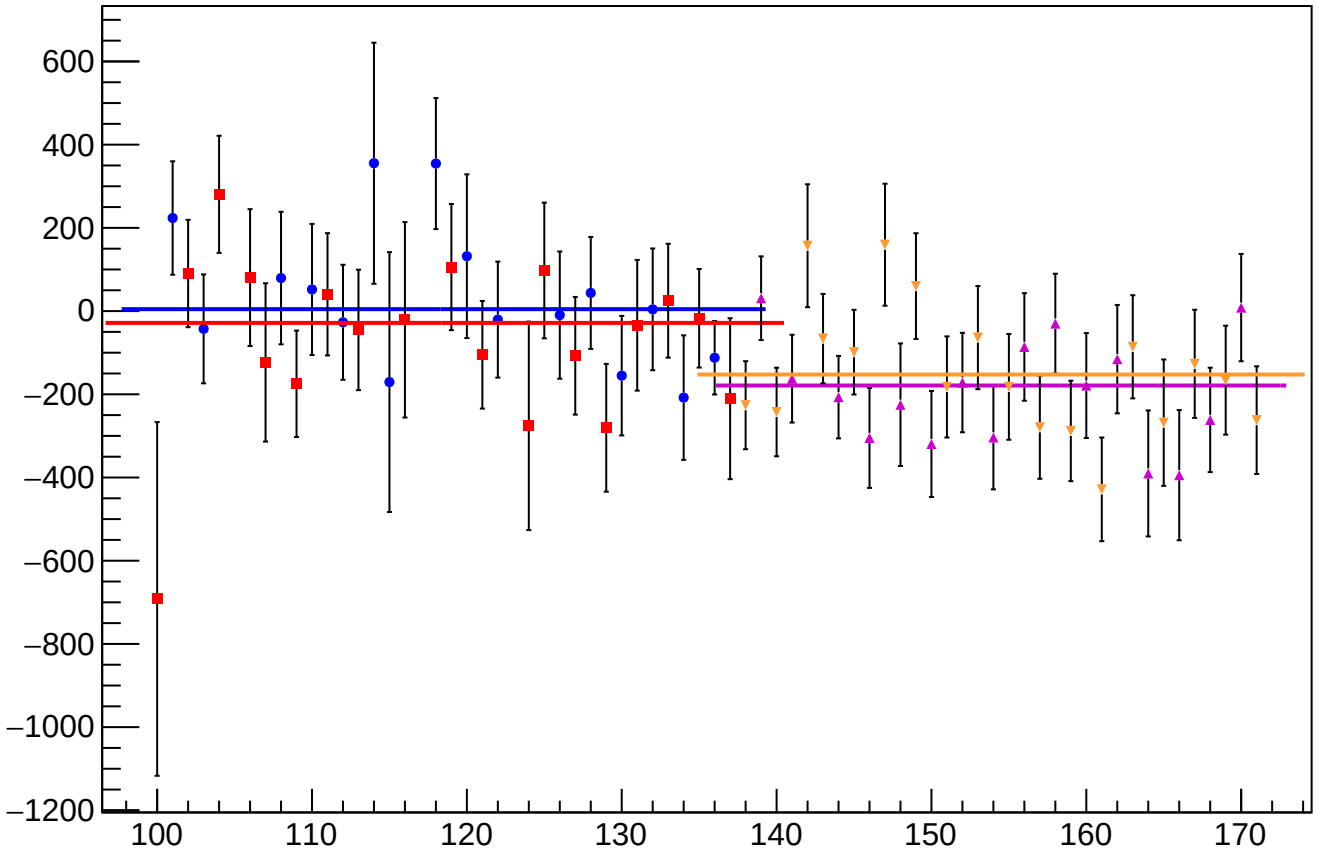
Left: 636.626+/-0.087 χ^2/NDF: 742512.8/33

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 647.427+/-0.103 χ^2/NDF:1243820.3/31

Out: 645.949+/-0.100 χ^2/NDF:1121170.0/36

All: 646.664+/-0.072 χ^2/NDF: 2365096.3/68



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: -178.870+/-30.699 χ^2/NDF:16.6/15

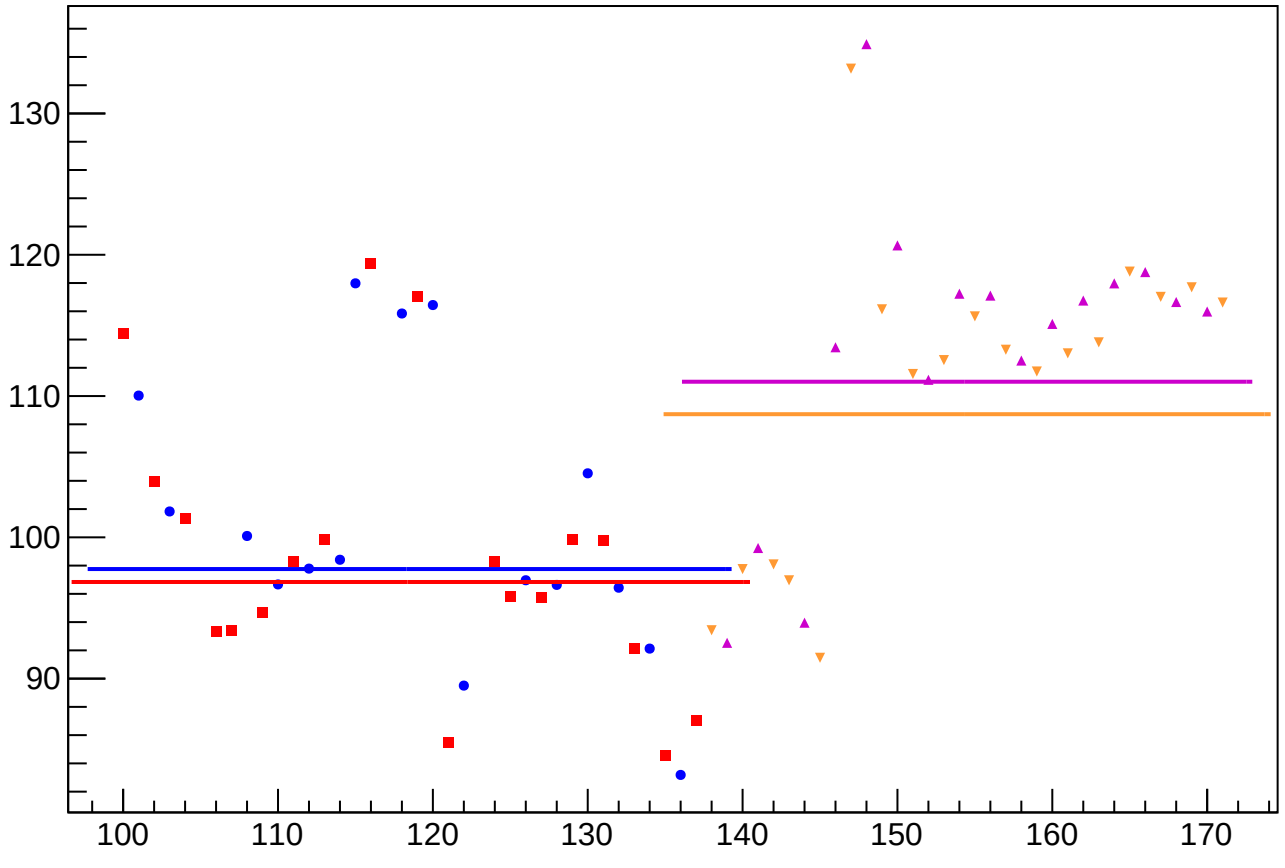
Left: -164.864+/-21.059 χ^2/NDF: 40.3/33

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -102.870+/-23.496 χ^2/NDF:46.7/31

Out: -102.841+/-22.423 χ^2/NDF:47.8/36

All: -102.855+/-16.222 χ^2/NDF: 94.5/68



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: 111.014+/-0.022 χ^2/NDF:248394.2/15

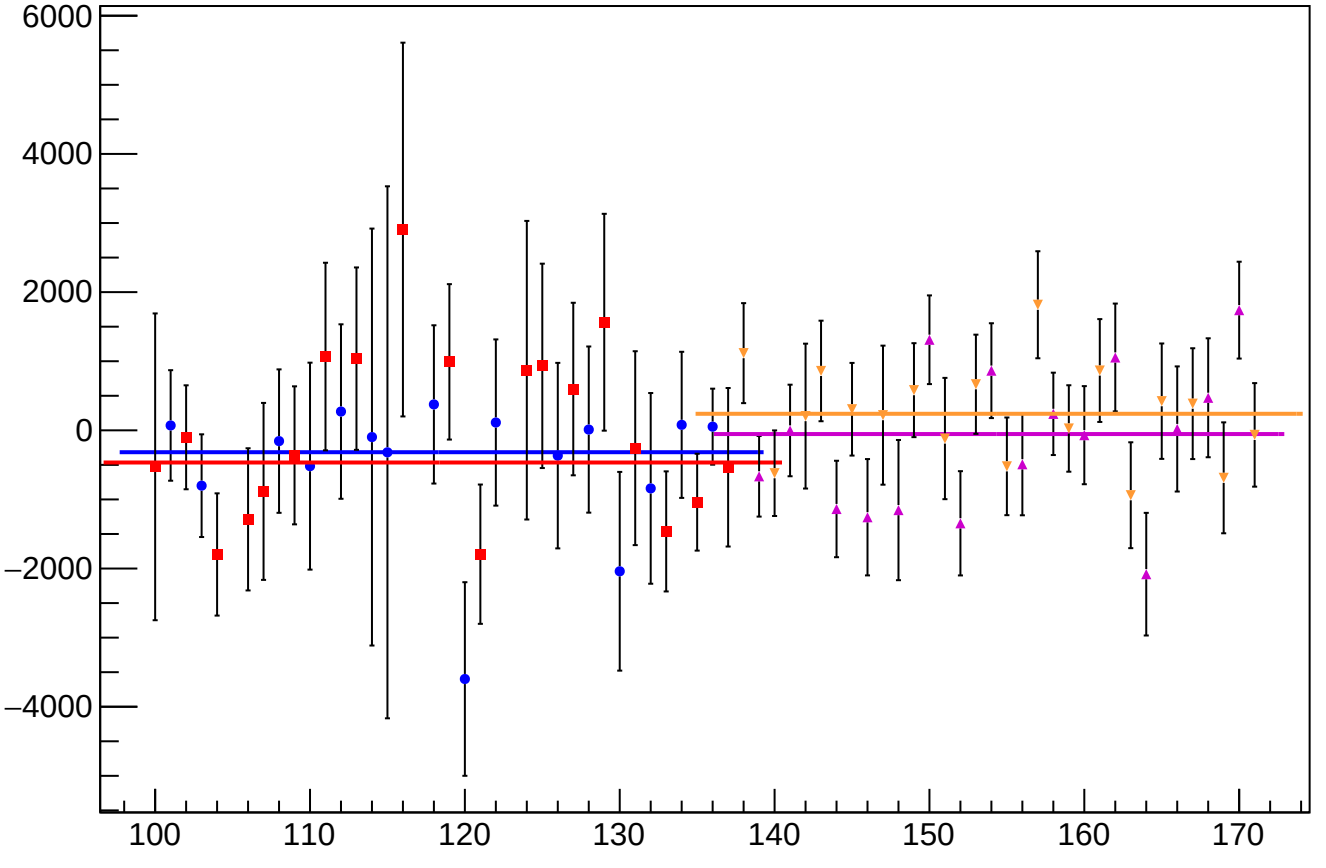
Left: 109.798+/-0.015 χ^2/NDF: 524147.0/33

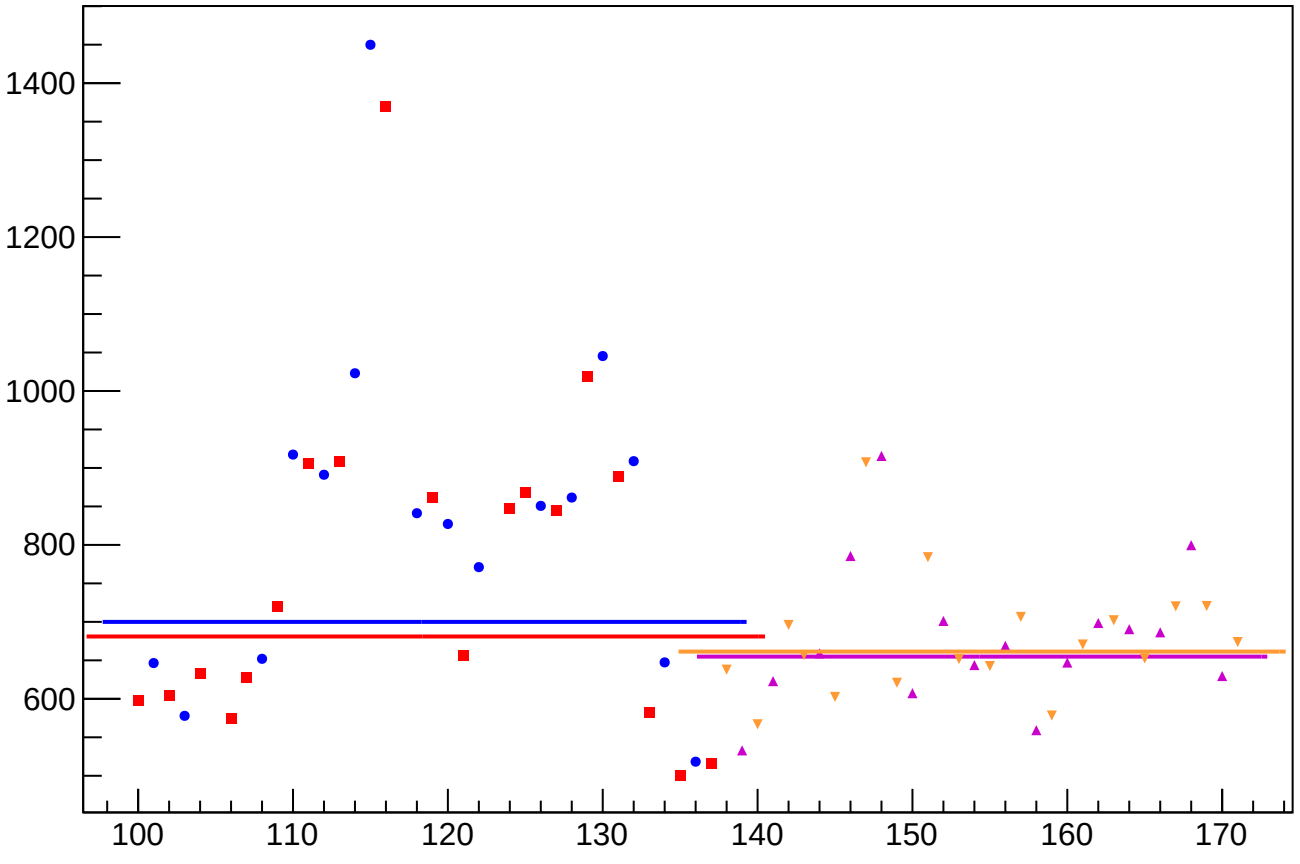
Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 105.523+/-0.017 χ^2/NDF:543554.4/31

Out: 103.968+/-0.016 χ^2/NDF:519619.9/36

All: 104.709+/-0.011 χ^2/NDF: 1067754.0/68


asym_sam_15_dd_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -316.572+/-267.515 χ²/NDF: 9.2/15
Left Out: 239.437+/-176.804 χ²/NDF:15.0/17
Right Out: -465.576+/-256.646 χ²/NDF: 16.5/18
Left In: -53.784+/-182.228 χ²/NDF:30.7/15
Left: 97.256+/-126.893 χ²/NDF: 47.1/33
Right: -394.162+/-185.199 χ²/NDF: 25.8/34
In: -137.074+/-150.606 χ²/NDF:40.5/31
Out: 12.534+/-145.598 χ²/NDF:36.6/36
All: -59.742+/-104.679 χ²/NDF: 77.6/68



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: 654.838+/-0.129 χ^2/NDF:414892.3/15

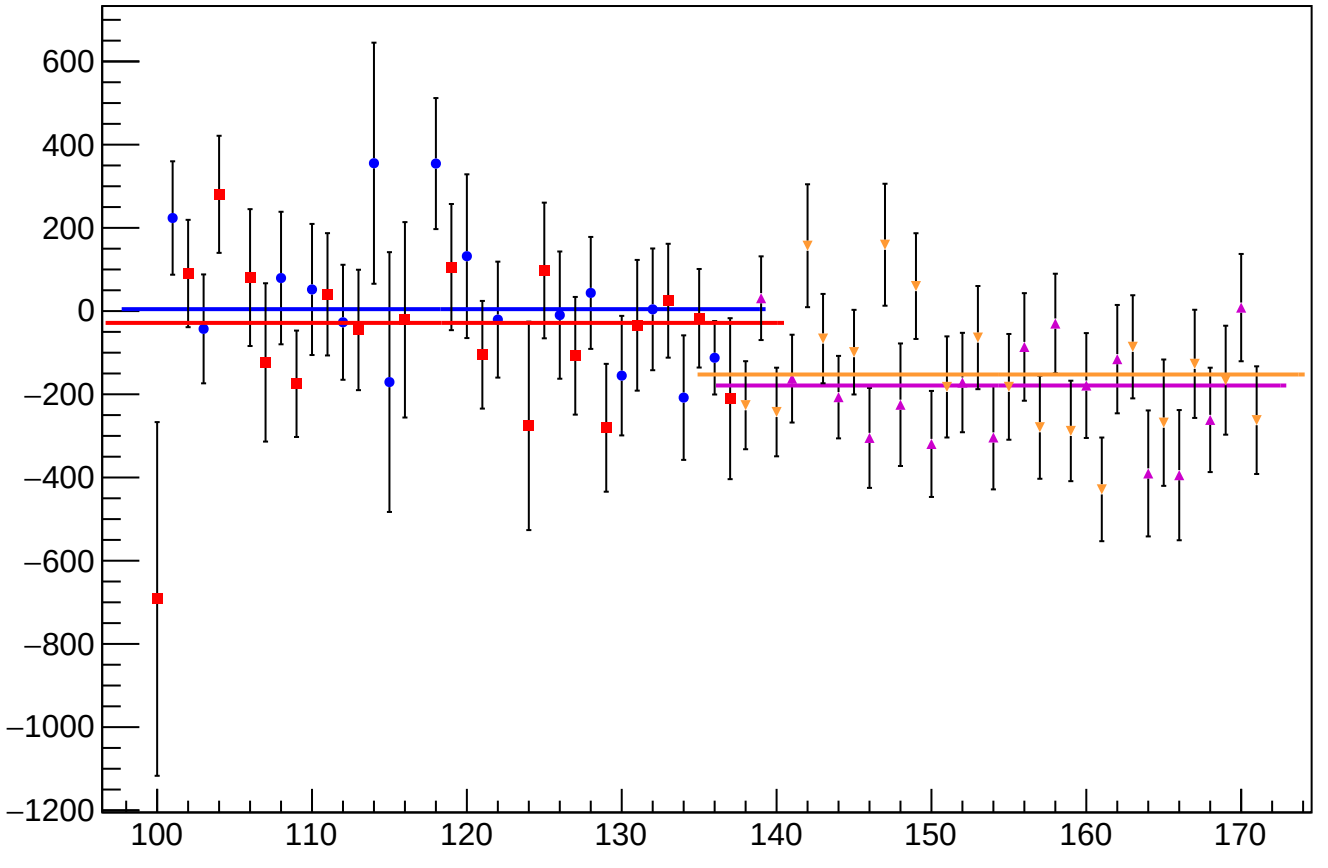
Left: 658.211+/-0.090 χ^2/NDF: 720315.2/33

Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 669.144+/-0.106 χ^2/NDF:1207444.9/31

Out: 667.704+/-0.103 χ^2/NDF:1081424.5/36

All: 668.400+/-0.074 χ^2/NDF: 2288963.8/68



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: -178.870+/-30.699 χ^2/NDF:16.6/15

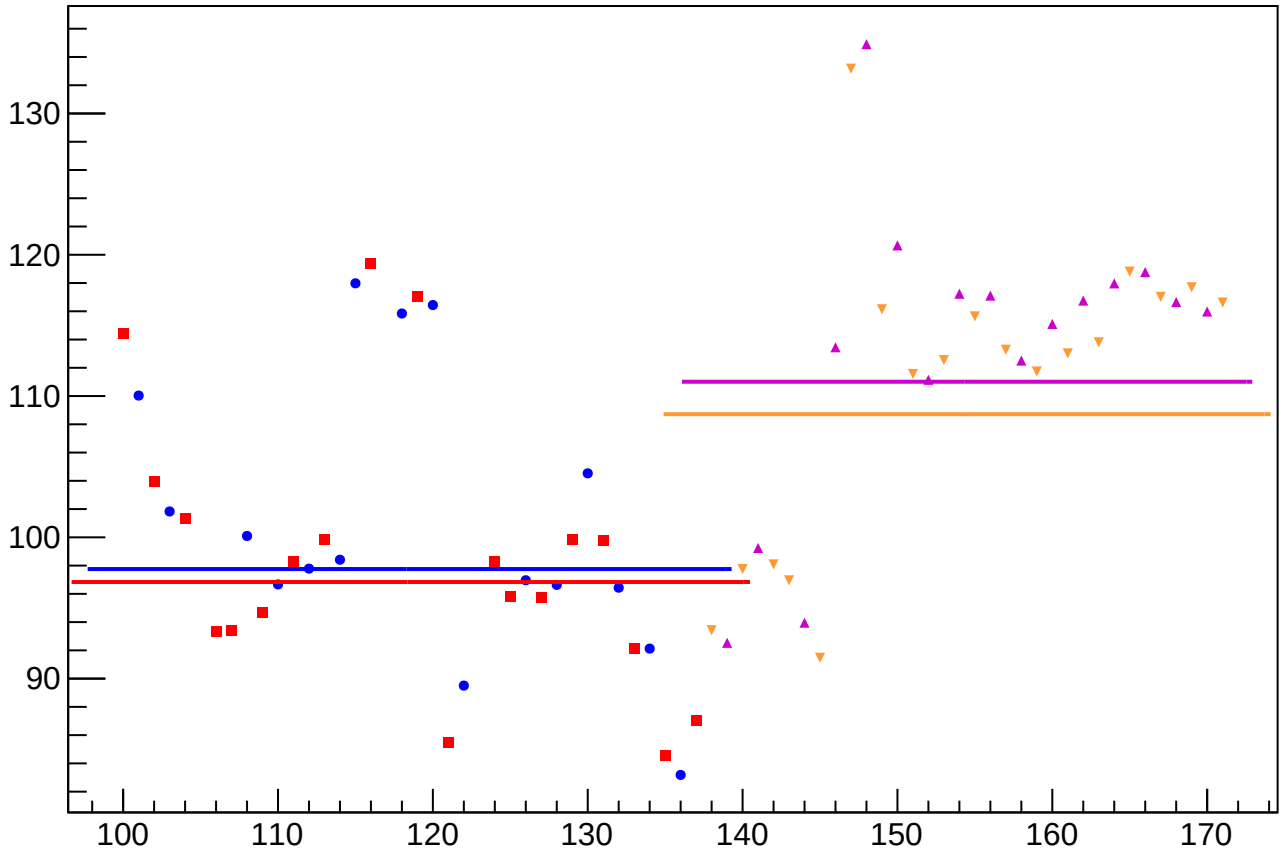
Left: -164.864+/-21.059 χ^2/NDF: 40.3/33

Right: -12.373+/-25.438 χ^2/NDF: 32.9/34

In: -102.869+/-23.496 χ^2/NDF:46.7/31

Out: -102.841+/-22.423 χ^2/NDF:47.8/36

All: -102.854+/-16.222 χ^2/NDF: 94.5/68



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: 111.014+/-0.022 χ^2/NDF:248391.4/15

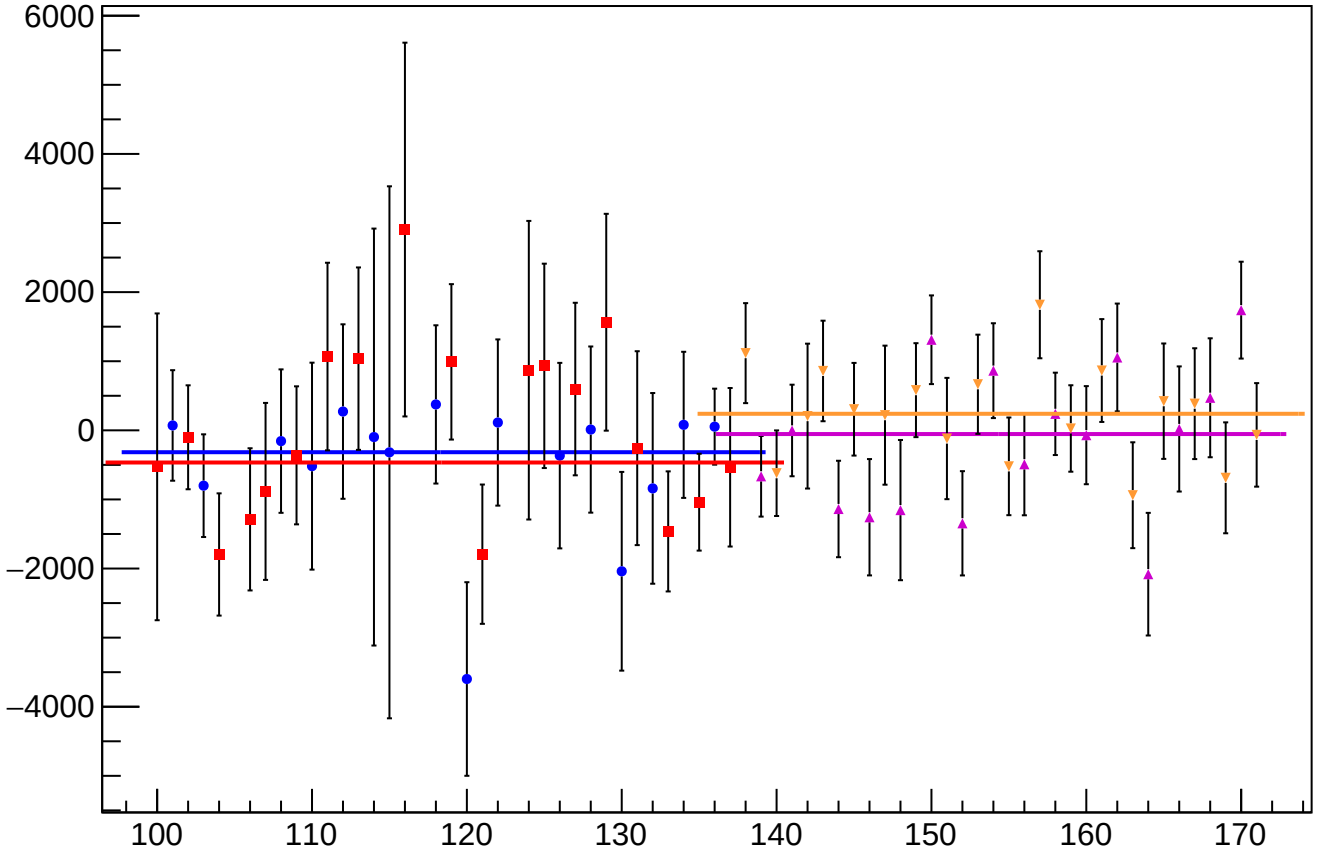
Left: 109.798+/-0.015 χ^2/NDF: 524143.2/33

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 105.523+/-0.017 χ^2/NDF:543561.1/31

Out: 103.968+/-0.016 χ^2/NDF:519629.9/36

All: 104.709+/-0.011 χ^2/NDF: 1067770.8/68



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: -53.784+/-182.228 χ^2/NDF:30.7/15

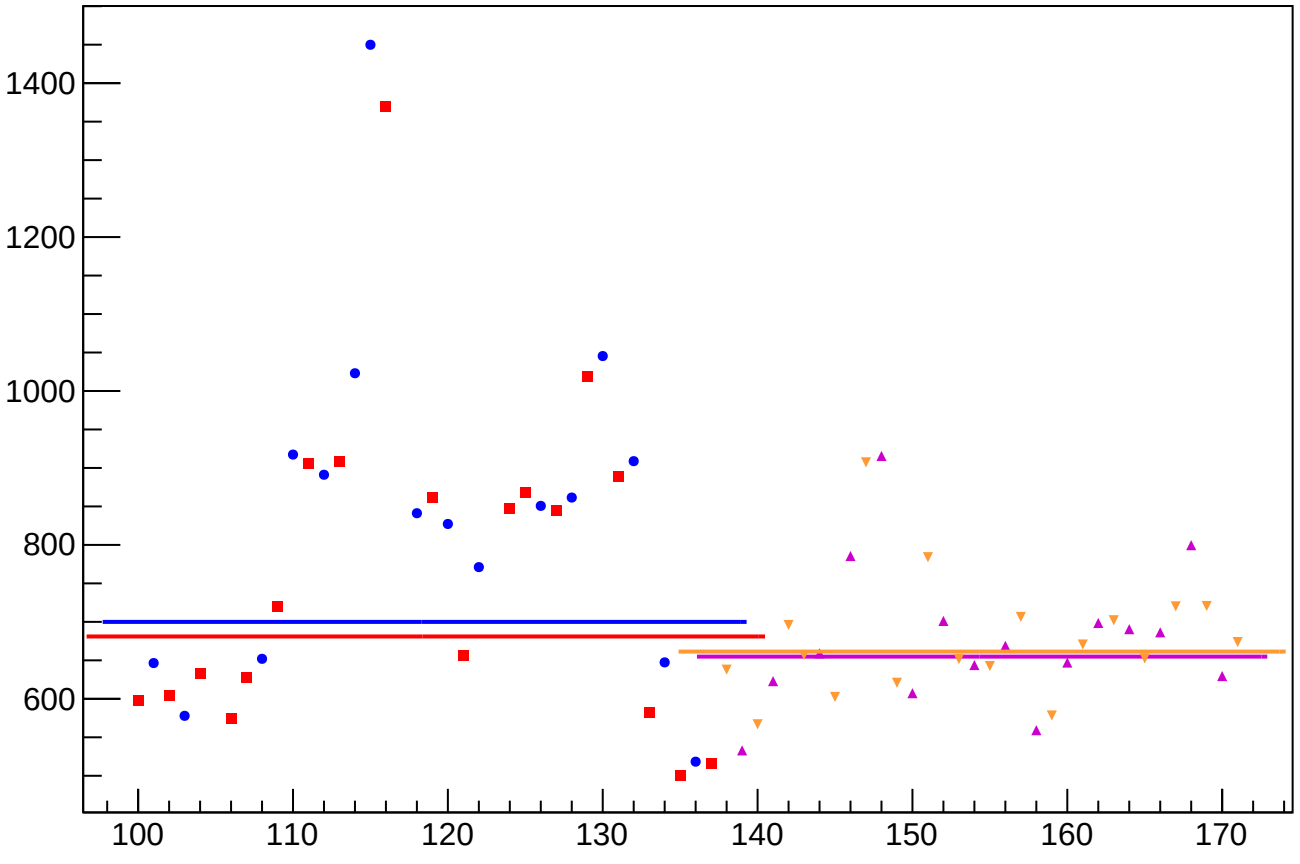
Left: 97.255+/-126.893 χ^2/NDF: 47.1/33

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -137.074+/-150.606 χ^2/NDF:40.5/31

Out: 12.532+/-145.598 χ^2/NDF:36.6/36

All: -59.742+/-104.679 χ^2/NDF: 77.6/68



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: 654.839+/-0.129 χ^2/NDF:414892.6/15

Left: 658.212+/-0.090 χ^2/NDF: 720315.6/33

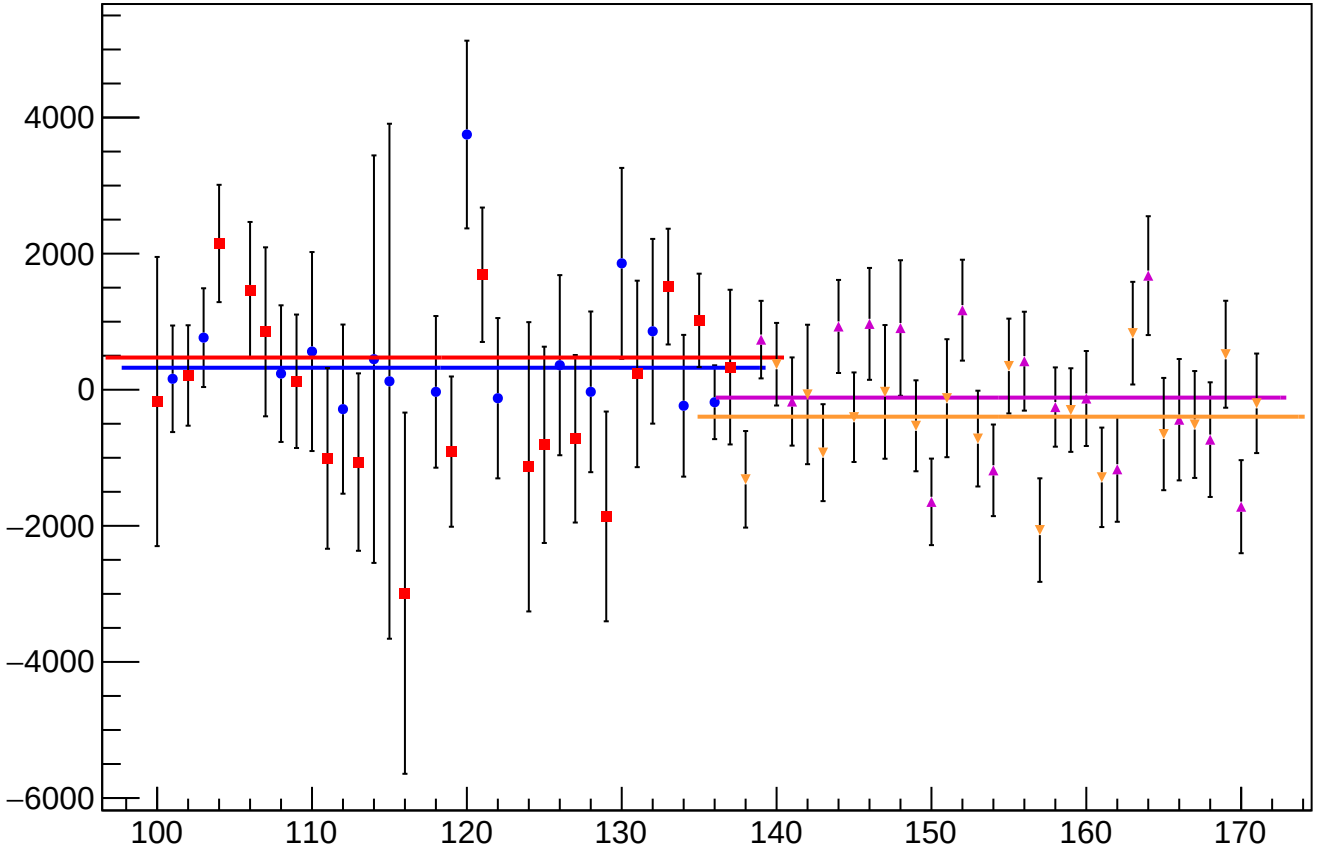
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 669.144+/-0.106 χ^2/NDF:1207444.5/31

Out: 667.704+/-0.103 χ^2/NDF:1081426.0/36

All: 668.400+/-0.074 χ^2/NDF: 2288964.9/68

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: -115.705+/-178.820 χ^2/NDF:31.5/15

Left: -260.084+/-124.534 χ^2/NDF: 48.9/33

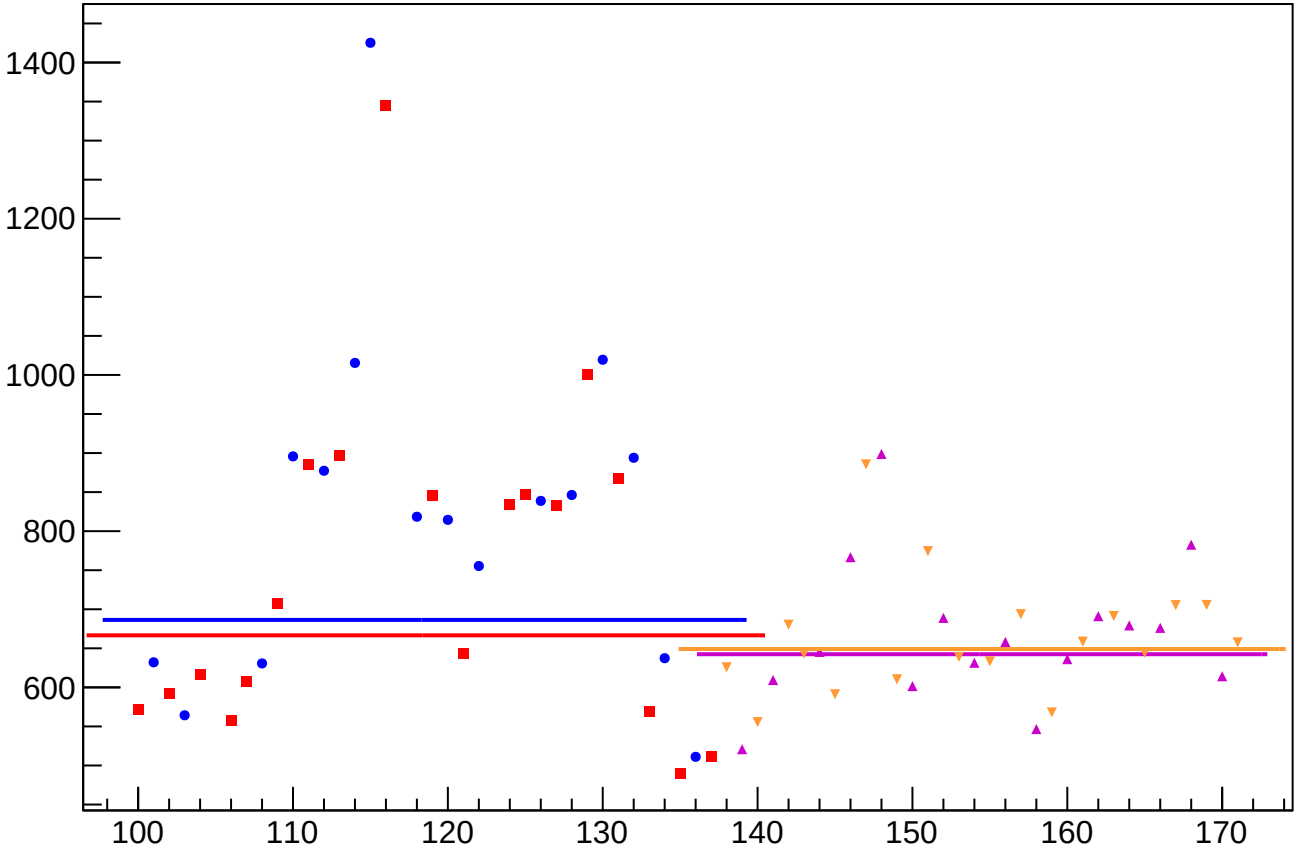
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: 23.535+/-147.757 χ^2/NDF:43.2/31

Out: -115.419+/-142.802 χ^2/NDF:43.6/36

All: -48.311+/-102.683 χ^2/NDF: 87.2/68

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: 642.449+/-0.126 χ^2/NDF:419509.2/15

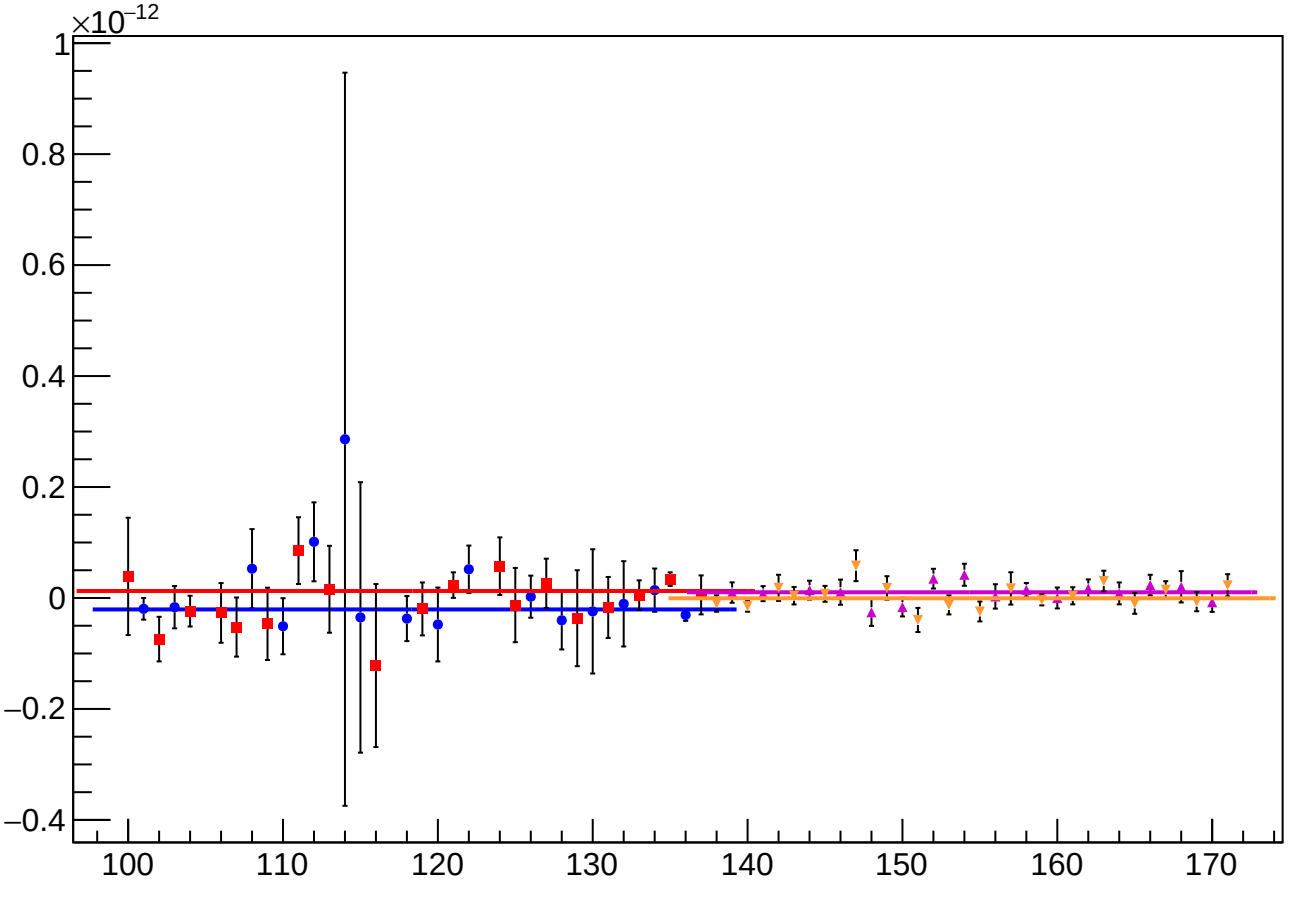
Left: 645.881+/-0.088 χ^2/NDF: 723245.9/33

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 656.390+/-0.104 χ^2/NDF:1207283.8/31

Out: 654.769+/-0.101 χ^2/NDF:1085922.3/36

All: 655.552+/-0.073 χ^2/NDF: 2293330.5/68



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:11.5/15

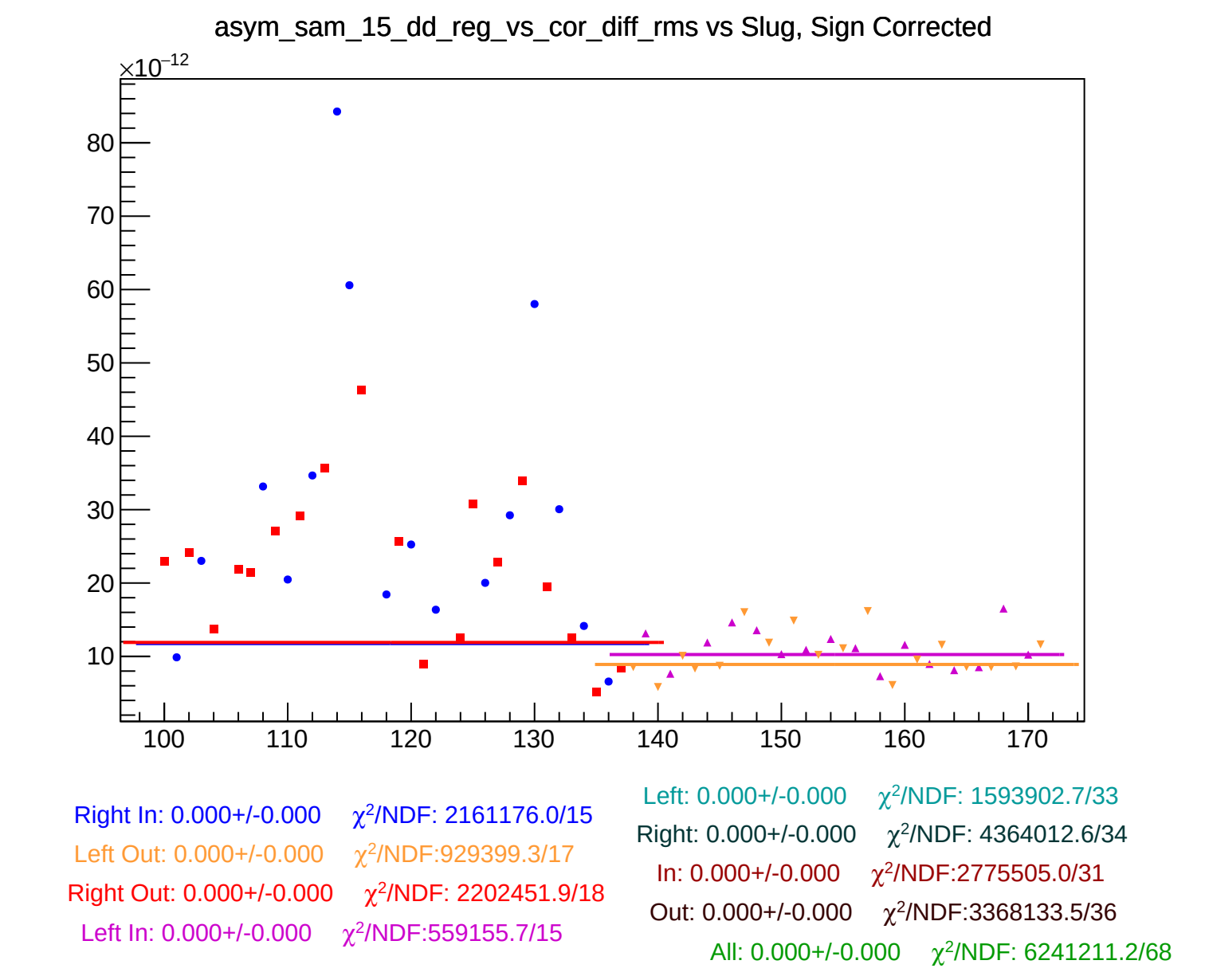
Left: 0.000+/-0.000 χ^2/NDF: 35.1/33

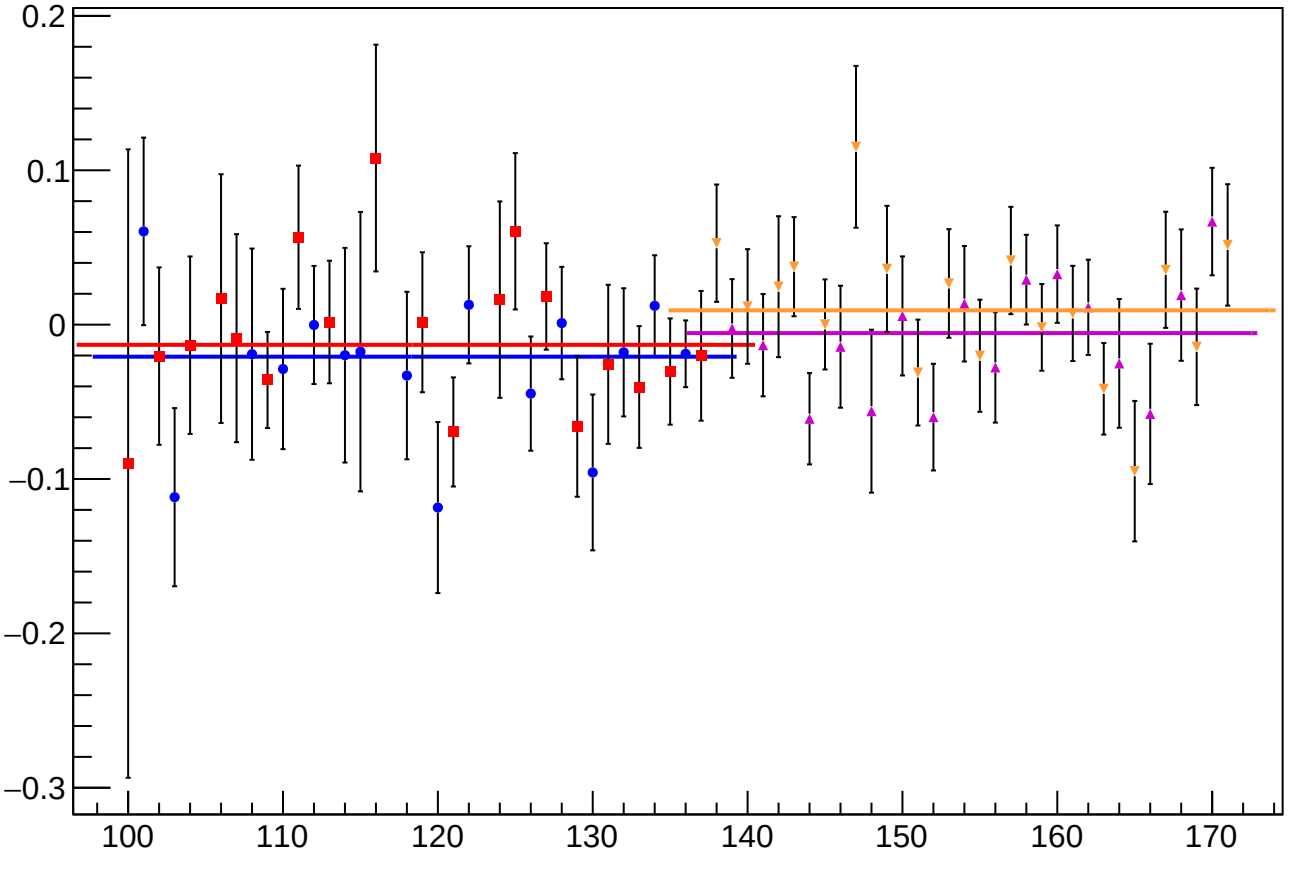
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:33.3/31

Out: 0.000+/-0.000 χ^2/NDF:39.5/36

All: 0.000+/-0.000 χ^2/NDF: 72.8/68


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:559155.7/15
Left: 0.000+/-0.000 χ²/NDF: 1593902.7/33
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2775505.0/31
Out: 0.000+/-0.000 χ²/NDF:3368133.5/36
All: 0.000+/-0.000 χ²/NDF: 6241211.2/68



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:17.1/15

Left: 0.002+/-0.006 χ^2/NDF: 38.9/33

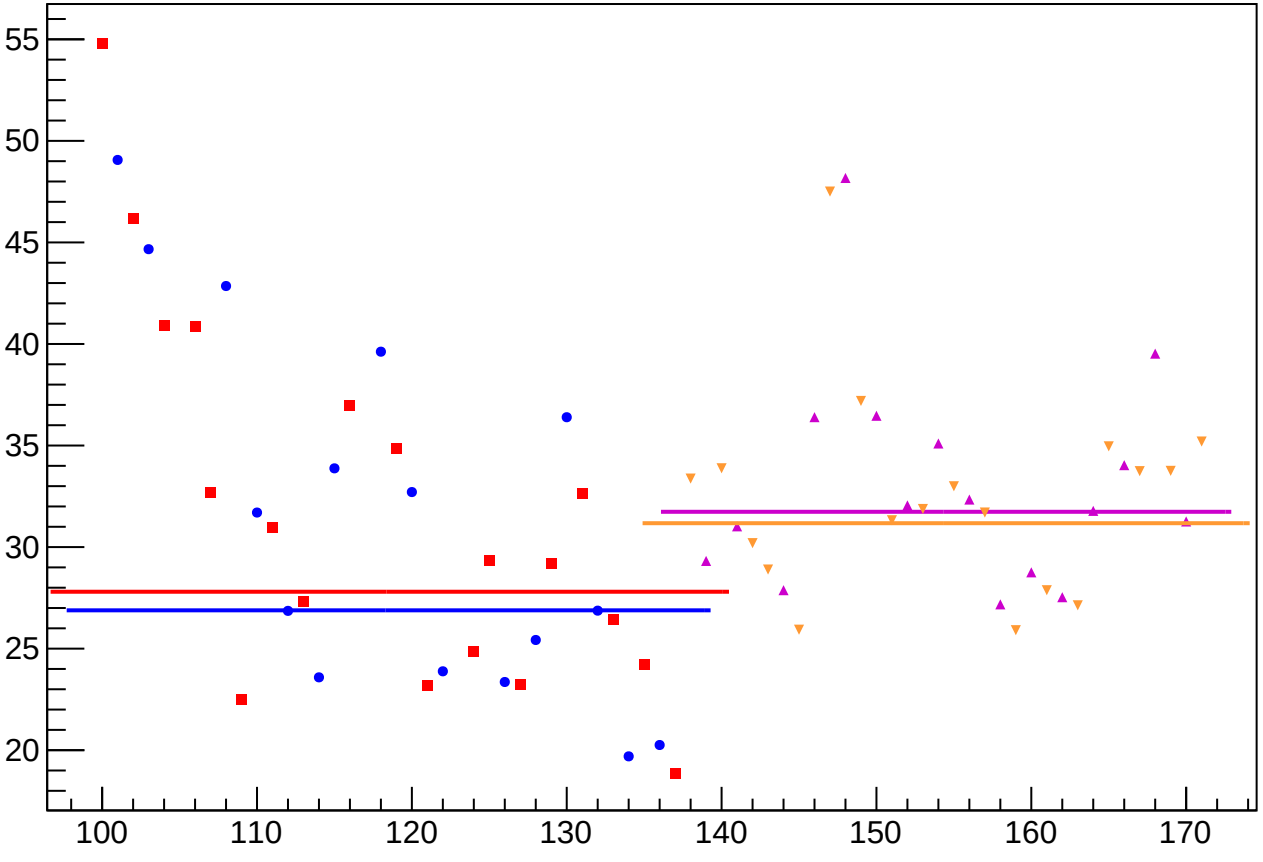
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.7/68

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: 31.738+/-0.006 χ^2/NDF:491648.6/15

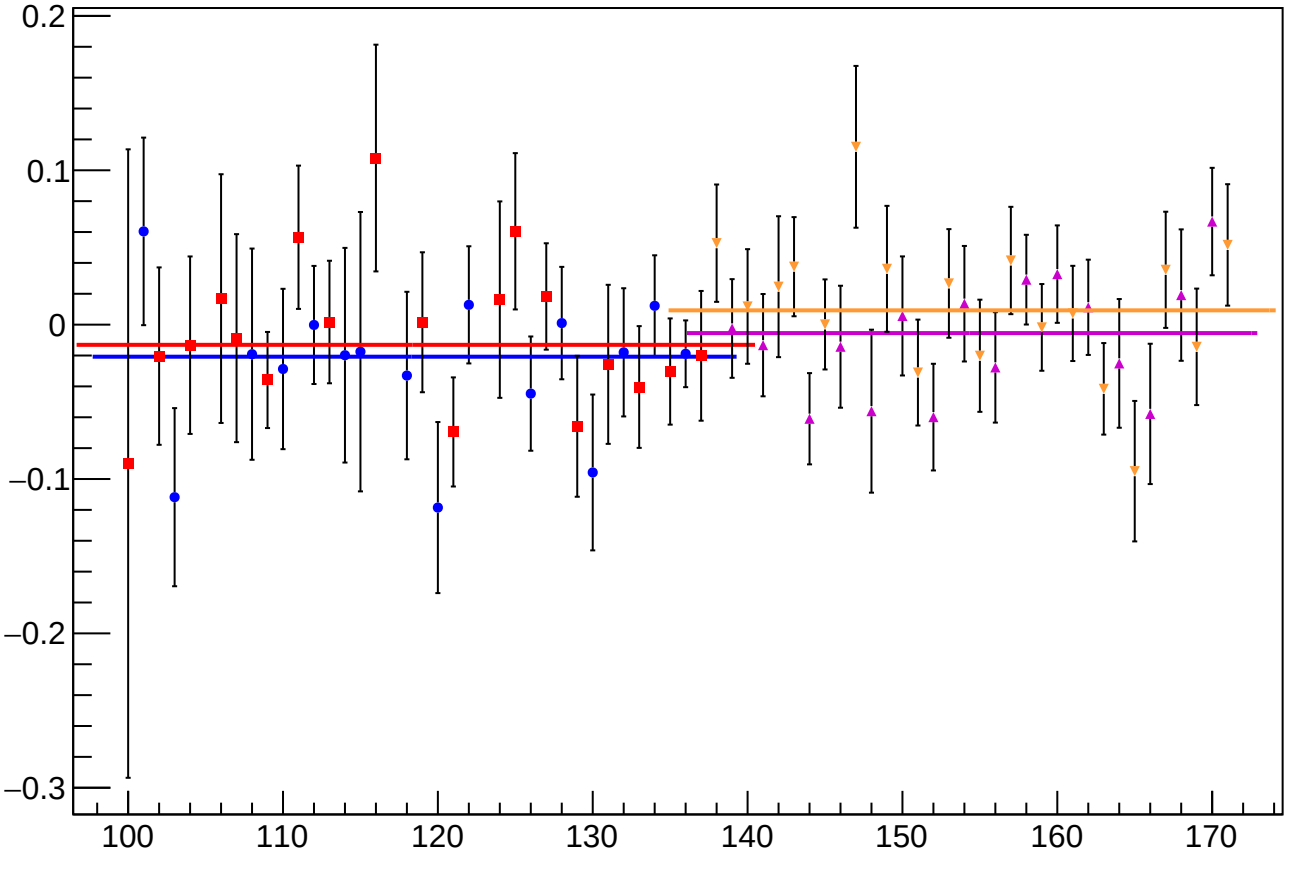
Left: 31.441+/-0.004 χ^2/NDF: 1016577.4/33

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.720+/-0.005 χ^2/NDF:1861182.3/31

Out: 29.870+/-0.005 χ^2/NDF:1409363.8/36

All: 29.797+/-0.003 χ^2/NDF: 3271052.2/68



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:17.1/15

Left: 0.002+/-0.006 χ^2/NDF: 38.9/33

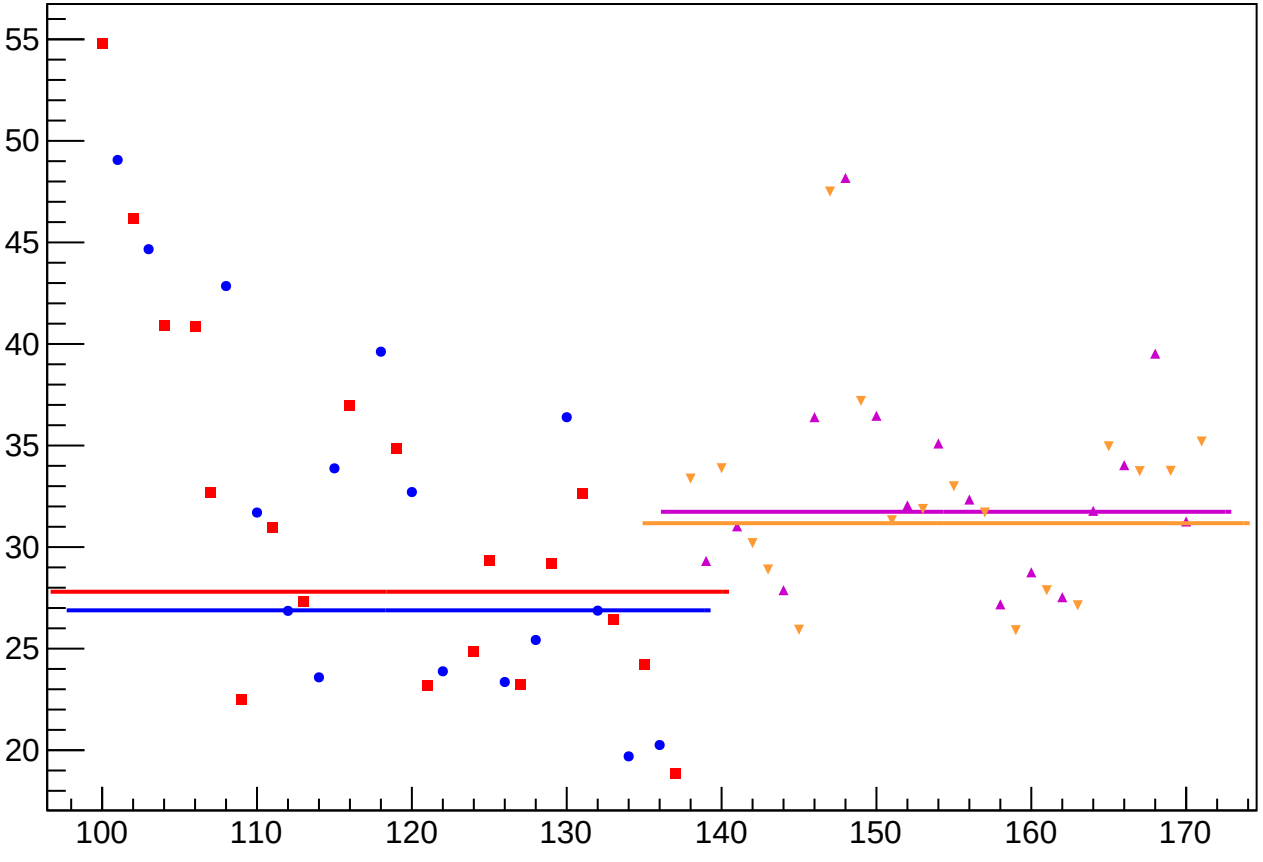
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.7/68

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.176+/-0.006 χ^2/NDF:520687.4/17

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.738+/-0.006 χ^2/NDF:491648.6/15

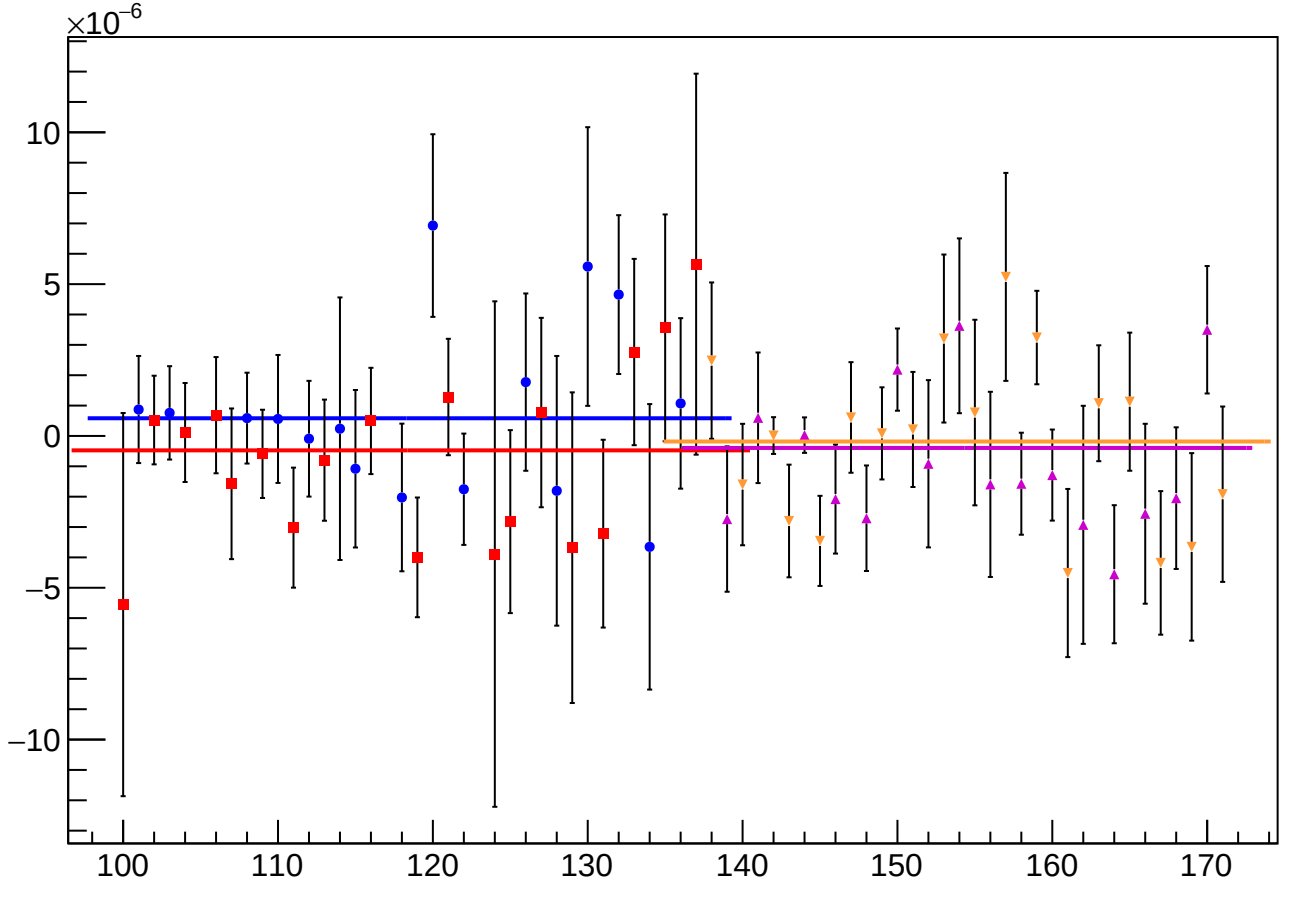
Left: 31.441+/-0.004 χ^2/NDF: 1016577.4/33

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.720+/-0.005 χ^2/NDF:1861182.3/31

Out: 29.870+/-0.005 χ^2/NDF:1409363.8/36

All: 29.797+/-0.003 χ^2/NDF: 3271052.2/68



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:19.2/15

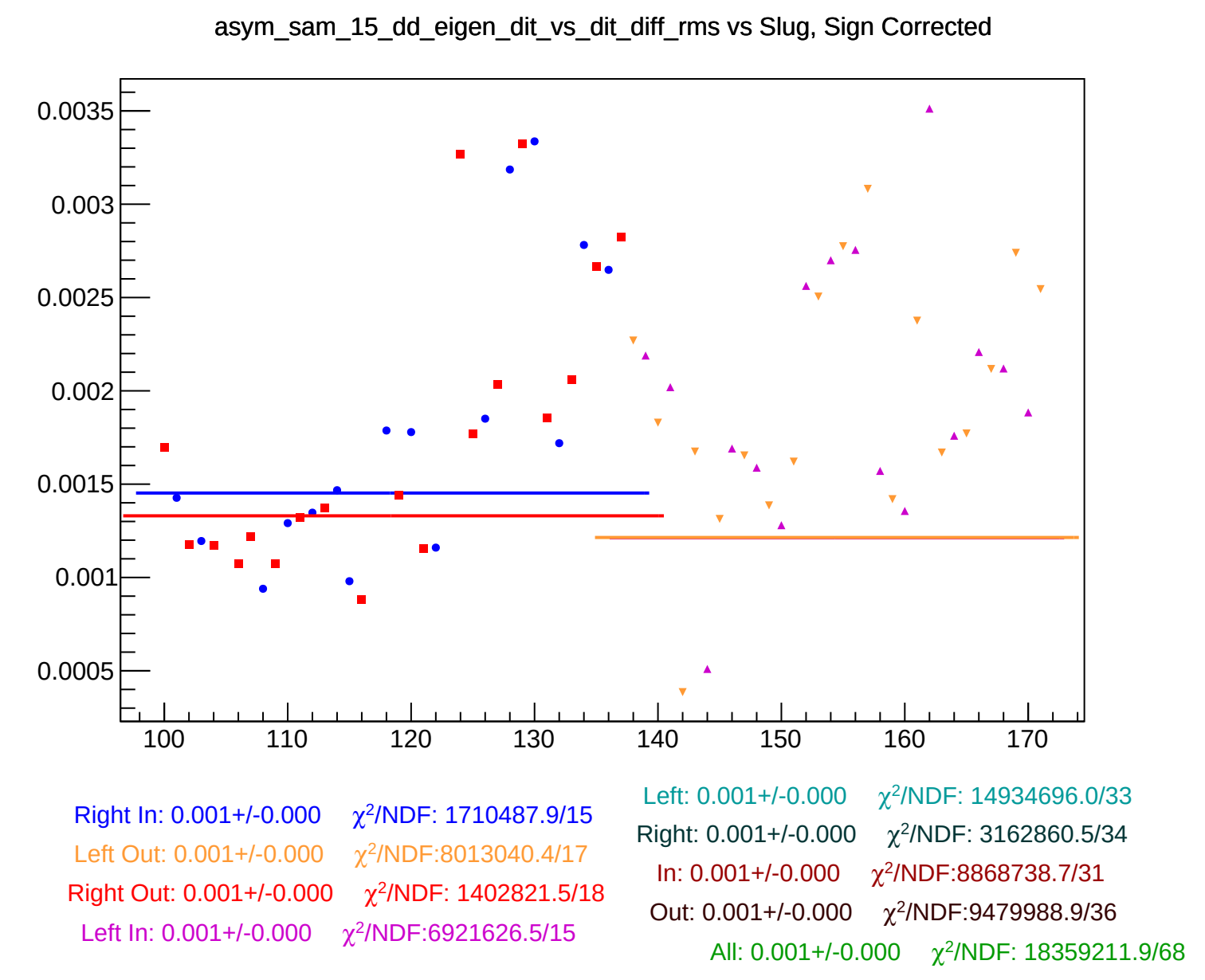
Left: -0.000+/-0.000 χ^2/NDF: 44.9/33

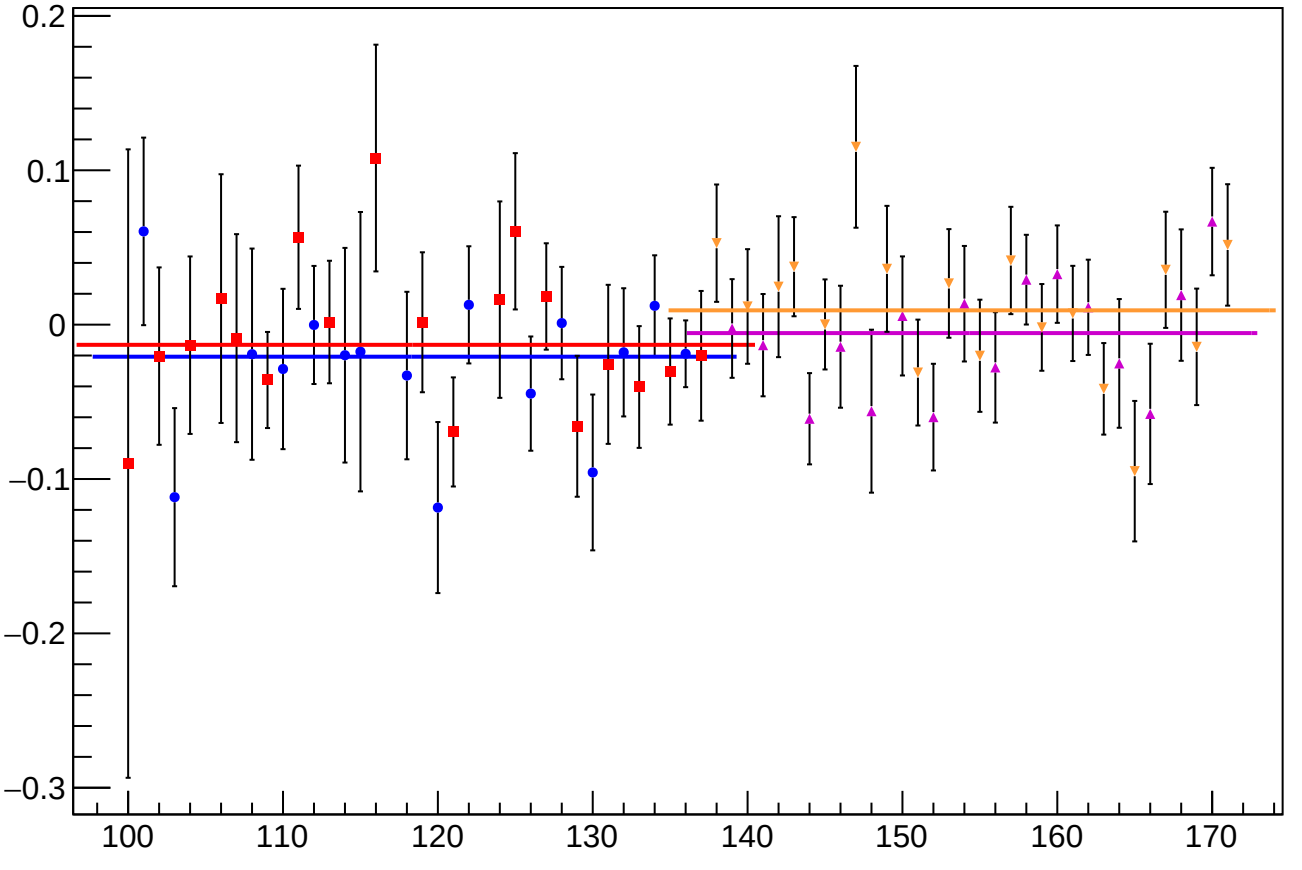
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:33.9/31

Out: -0.000+/-0.000 χ^2/NDF:39.0/36

All: -0.000+/-0.000 χ^2/NDF: 73.0/68


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:8013040.4/17
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:6921626.5/15
Left: 0.001+/-0.000 χ²/NDF: 14934696.0/33
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:8868738.7/31
Out: 0.001+/-0.000 χ²/NDF:9479988.9/36
All: 0.001+/-0.000 χ²/NDF: 18359211.9/68



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:17.1/15

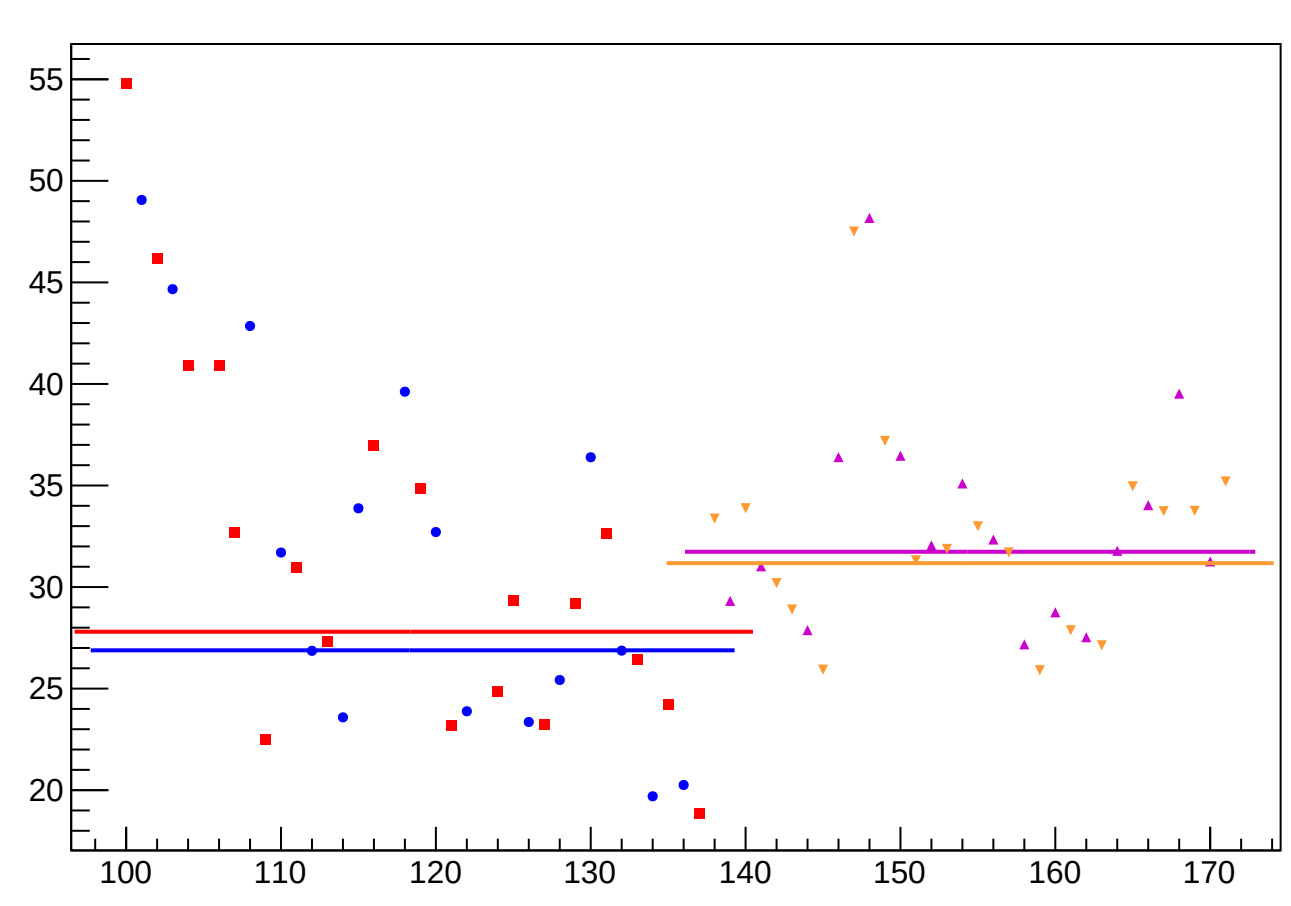
Left: 0.002+/-0.006 χ^2/NDF: 38.9/33

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.7/68



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: 31.738+/-0.006 χ^2/NDF:491744.4/15

Left: 31.441+/-0.004 χ^2/NDF: 1016794.0/33

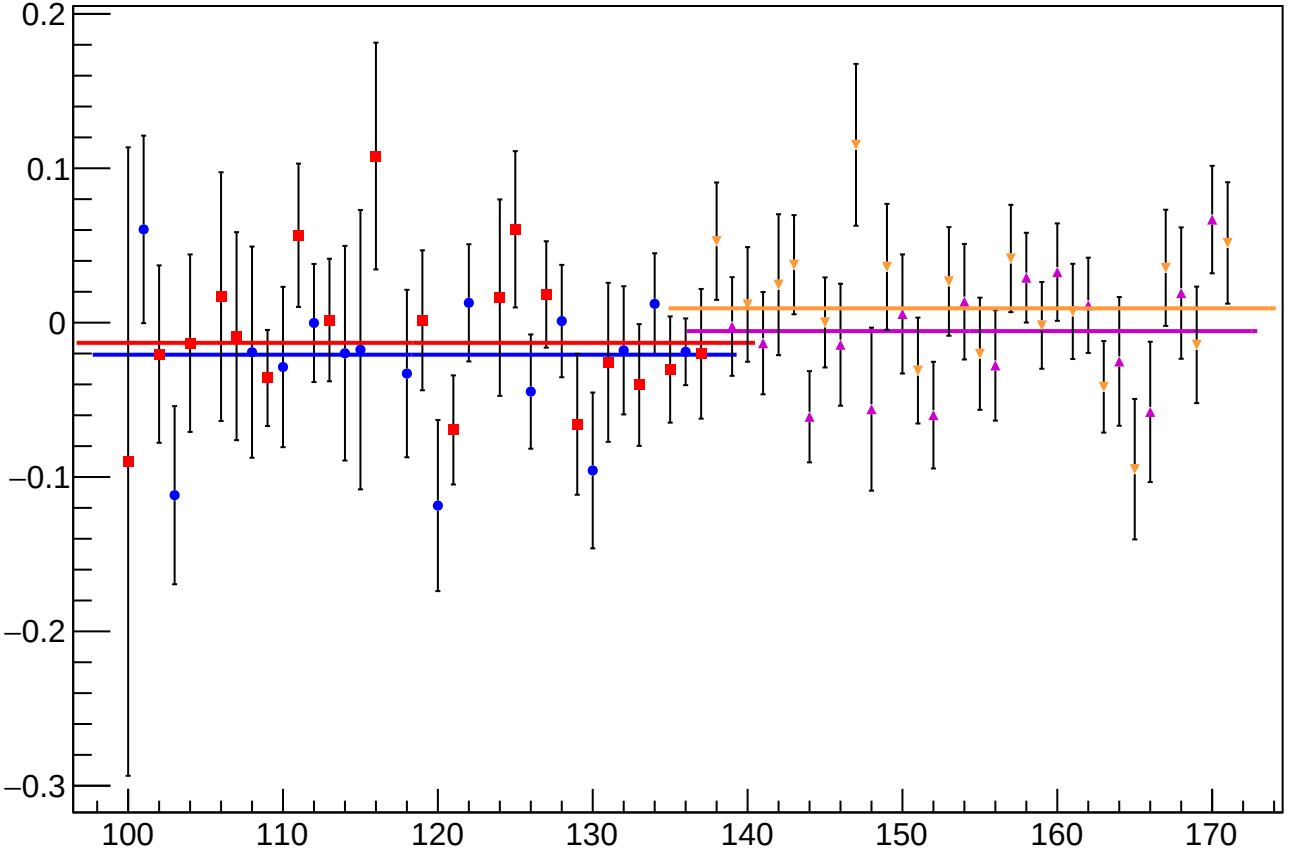
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.719+/-0.005 χ^2/NDF:1861378.9/31

Out: 29.869+/-0.005 χ^2/NDF:1409688.8/36

All: 29.797+/-0.003 χ^2/NDF: 3271572.6/68

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:17.1/15

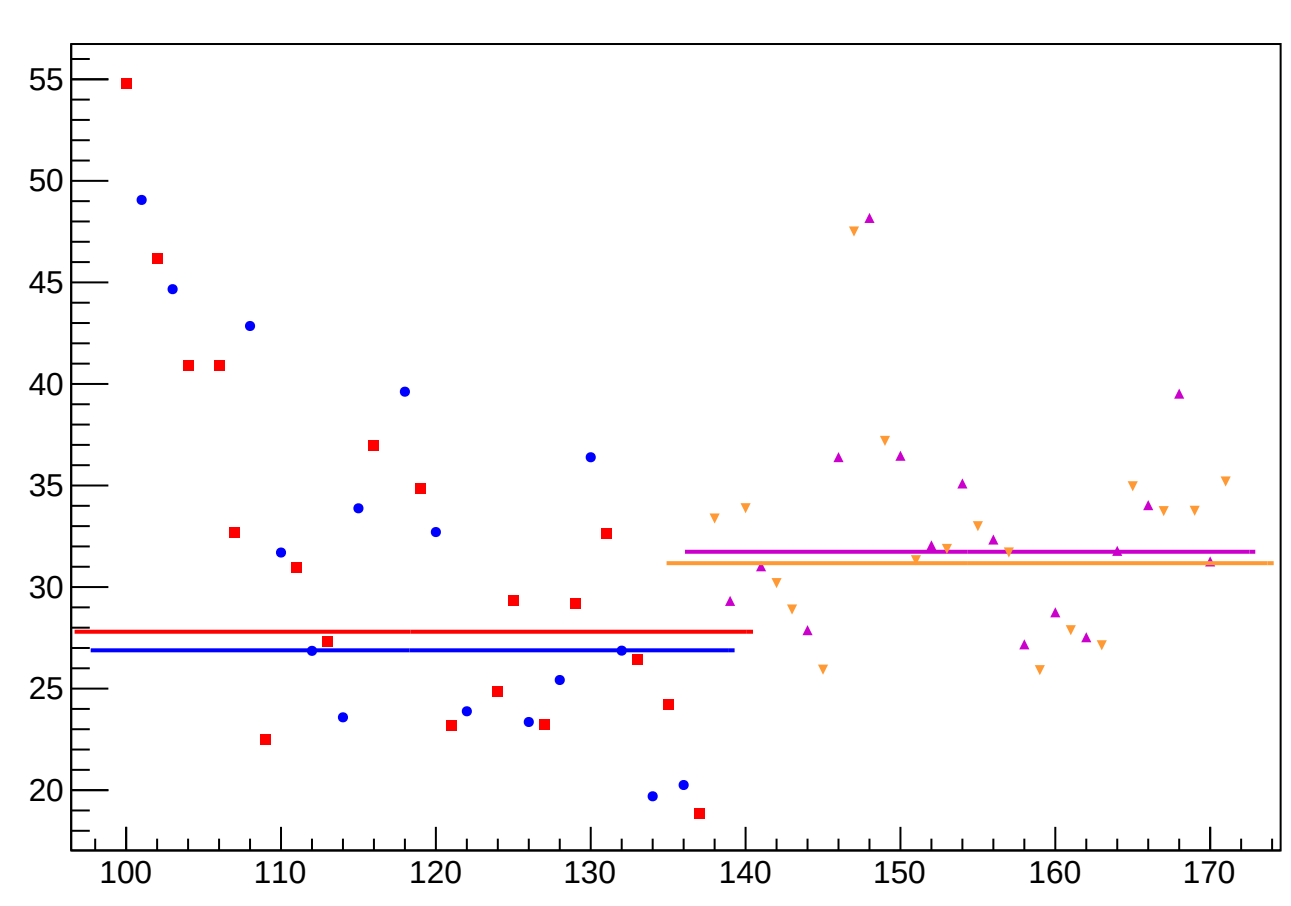
Left: 0.002+/-0.006 χ^2/NDF: 38.9/33

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.012+/-0.007 χ^2/NDF:30.9/31

Out: 0.001+/-0.007 χ^2/NDF:37.0/36

All: -0.005+/-0.005 χ^2/NDF: 69.7/68



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: 31.738+/-0.006 χ^2/NDF:491744.4/15

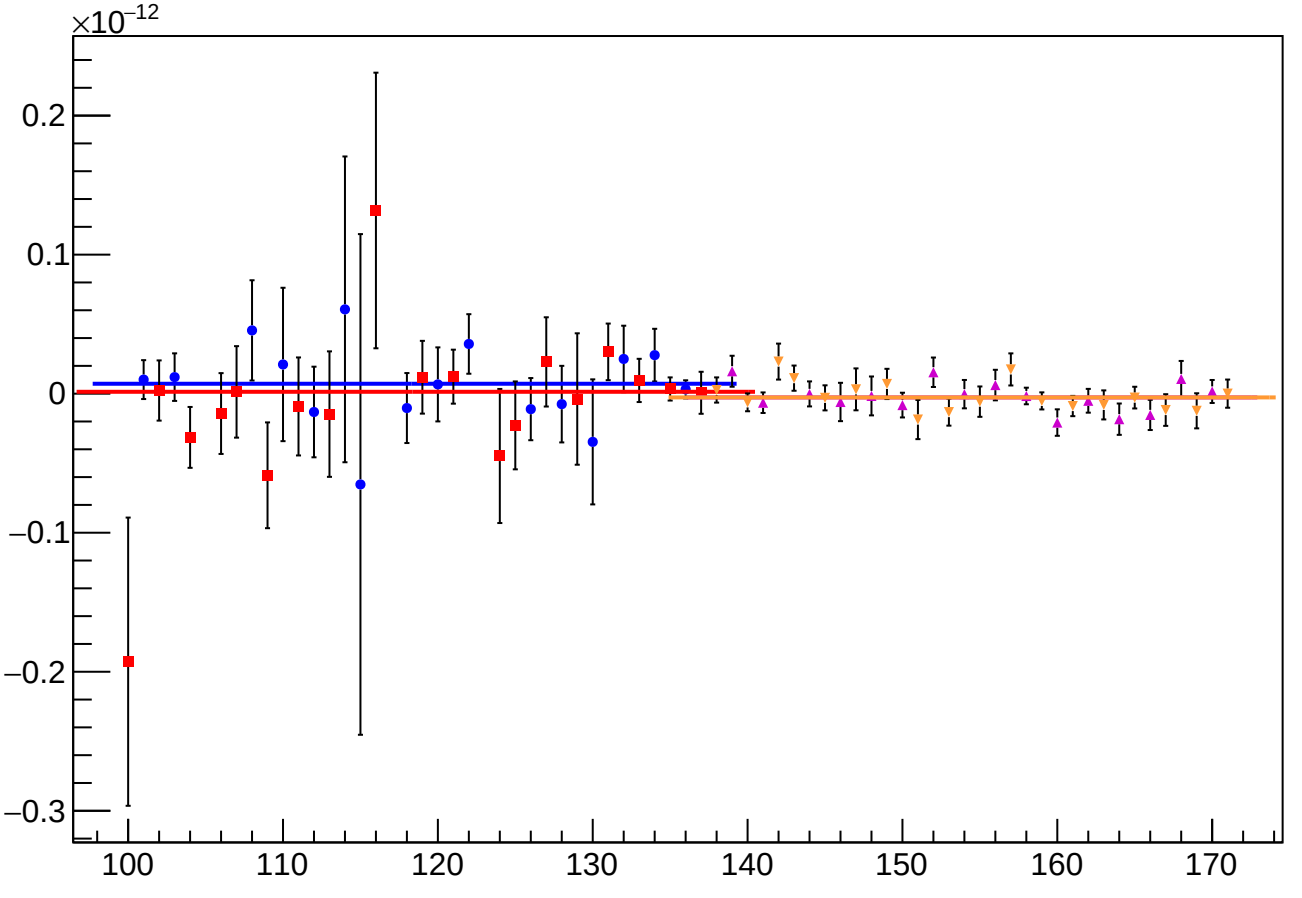
Left: 31.441+/-0.004 χ^2/NDF: 1016794.0/33

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.719+/-0.005 χ^2/NDF:1861378.9/31

Out: 29.869+/-0.005 χ^2/NDF:1409688.8/36

All: 29.797+/-0.003 χ^2/NDF: 3271572.6/68



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:15.6/15

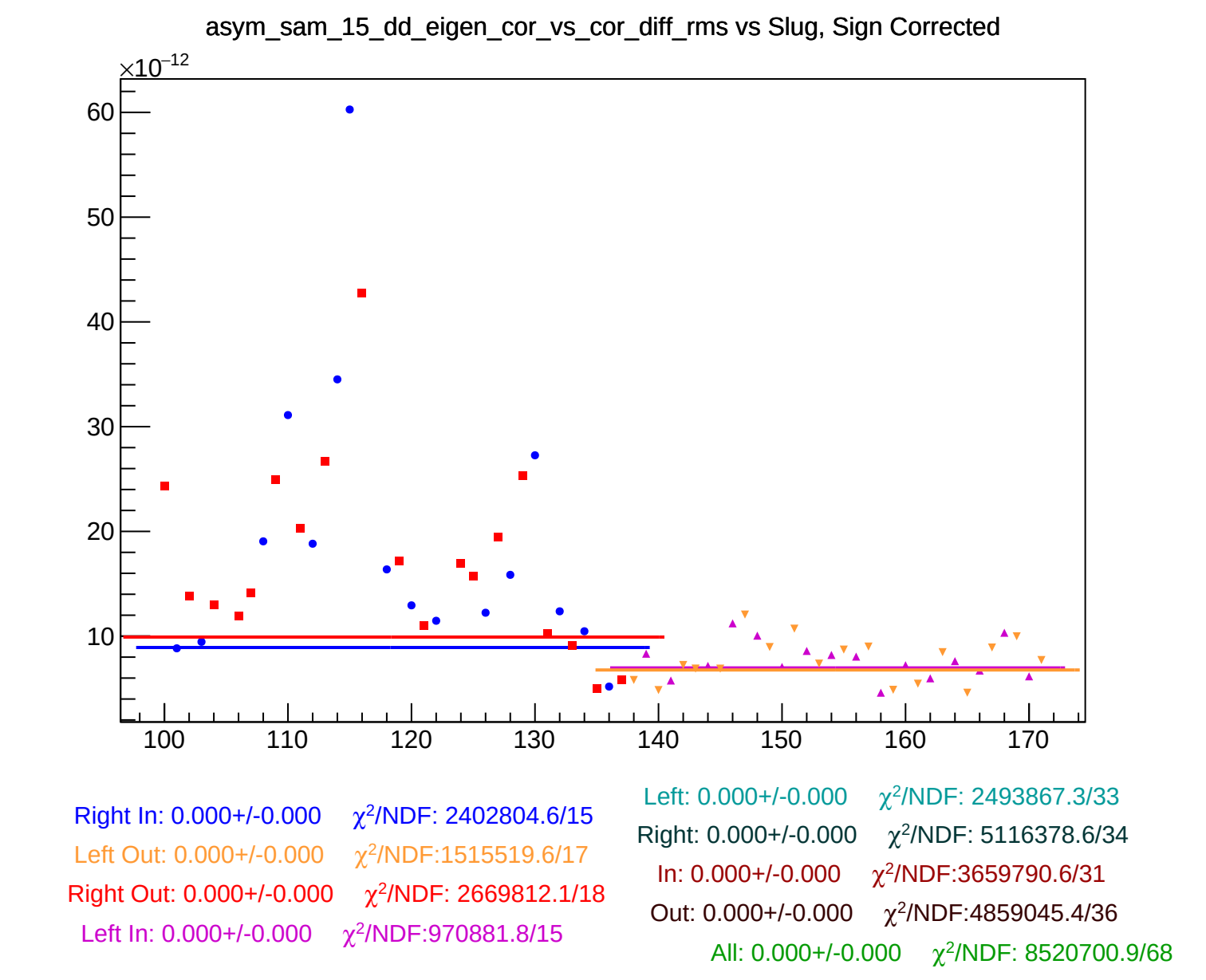
Left: -0.000+/-0.000 χ^2/NDF: 31.5/33

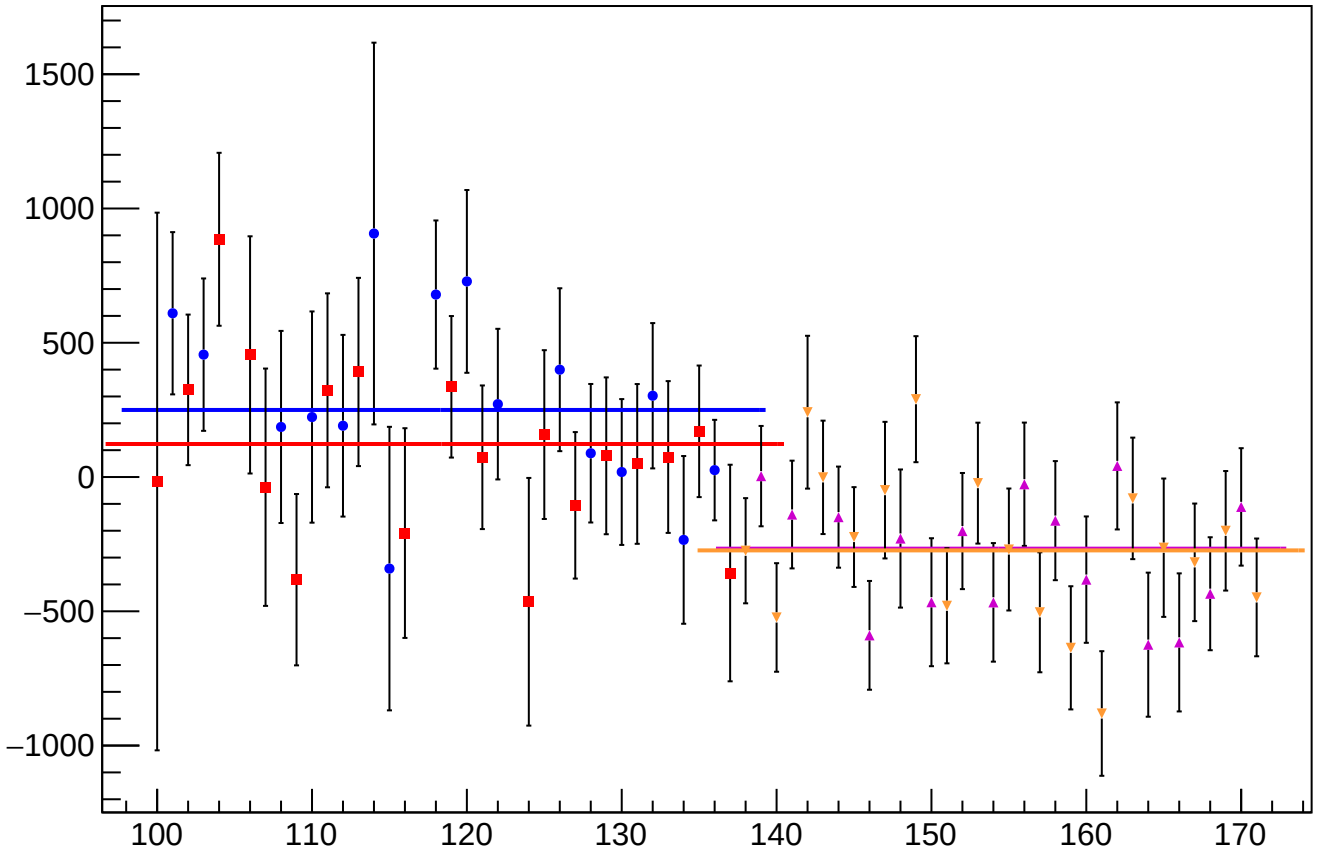
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: -0.000+/-0.000 χ^2/NDF:27.5/31

Out: -0.000+/-0.000 χ^2/NDF:31.7/36

All: -0.000+/-0.000 χ^2/NDF: 59.5/68


asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2402804.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1515519.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 2669812.1/18
Left In: 0.000+/-0.000 χ²/NDF:970881.8/15
Left: 0.000+/-0.000 χ²/NDF: 2493867.3/33
Right: 0.000+/-0.000 χ²/NDF: 5116378.6/34
In: 0.000+/-0.000 χ²/NDF:3659790.6/31
Out: 0.000+/-0.000 χ²/NDF:4859045.4/36
All: 0.000+/-0.000 χ²/NDF: 8520700.9/68



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: -266.744+/-55.177 χ^2/NDF:15.1/15

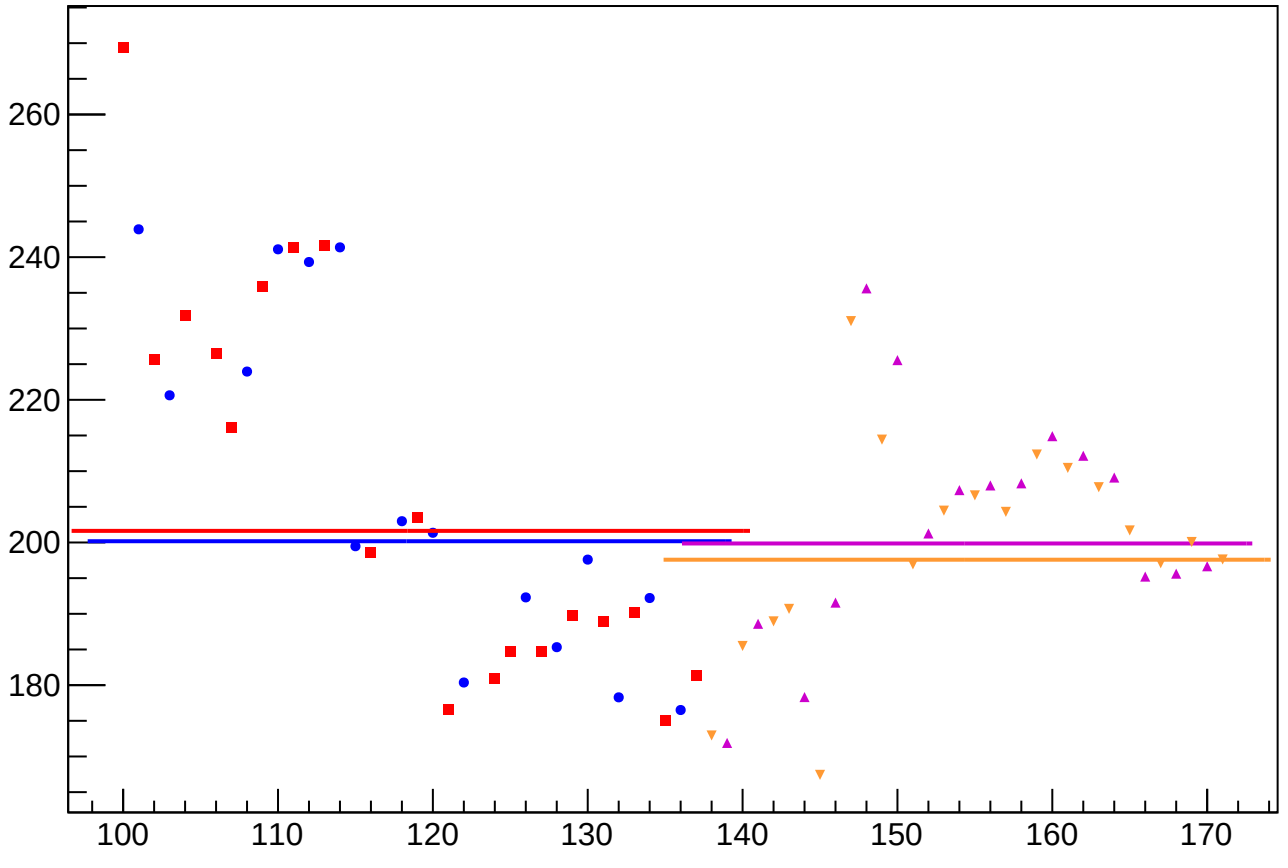
Left: -270.136+/-38.033 χ^2/NDF: 42.2/33

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -84.974+/-44.419 χ^2/NDF:59.7/31

Out: -141.445+/-42.888 χ^2/NDF:61.7/36

All: -114.200+/-30.854 χ^2/NDF: 122.2/68



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: 199.861+/-0.039 χ^2/NDF:168165.9/15

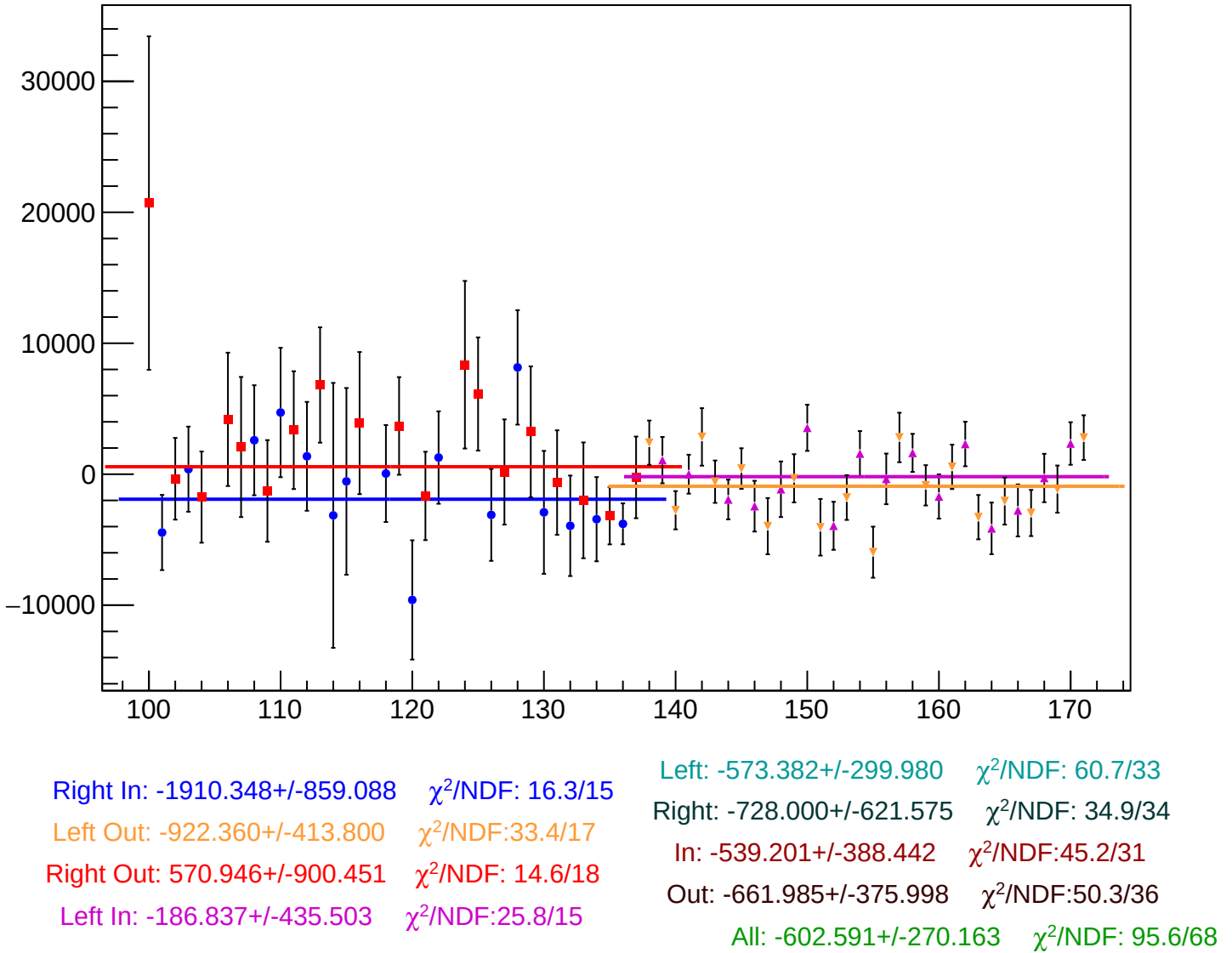
Left: 198.667+/-0.027 χ^2/NDF: 336382.7/33

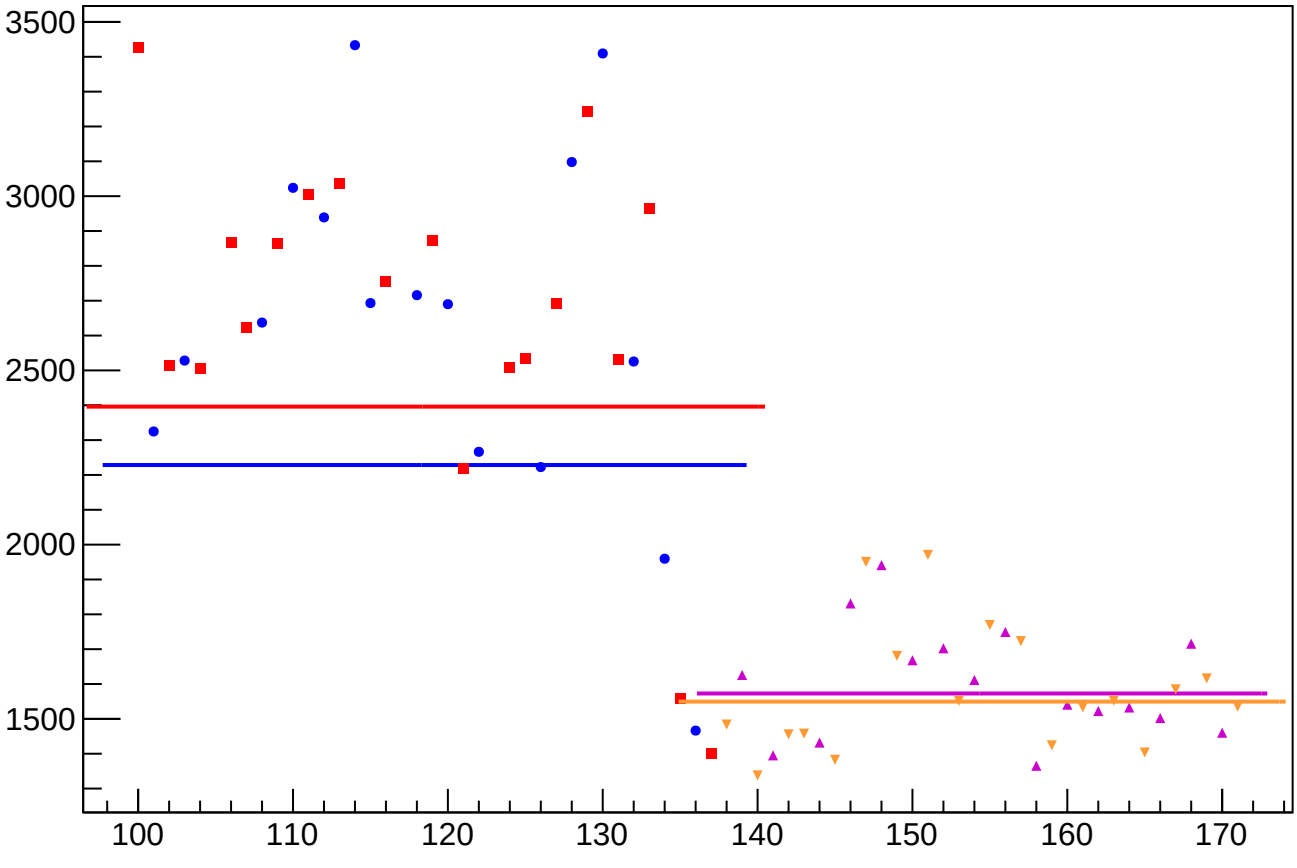
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.972+/-0.031 χ^2/NDF:349190.3/31

Out: 198.930+/-0.030 χ^2/NDF:367618.7/36

All: 199.433+/-0.022 χ^2/NDF: 717379.2/68


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -922.360+/-413.800 χ²/NDF:33.4/17
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: -186.837+/-435.503 χ²/NDF:25.8/15
Left: -573.382+/-299.980 χ²/NDF: 60.7/33
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -539.201+/-388.442 χ²/NDF:45.2/31
Out: -661.985+/-375.998 χ²/NDF:50.3/36
All: -602.591+/-270.163 χ²/NDF: 95.6/68



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: 1572.850+/-0.308 χ^2/NDF:244964.3/15

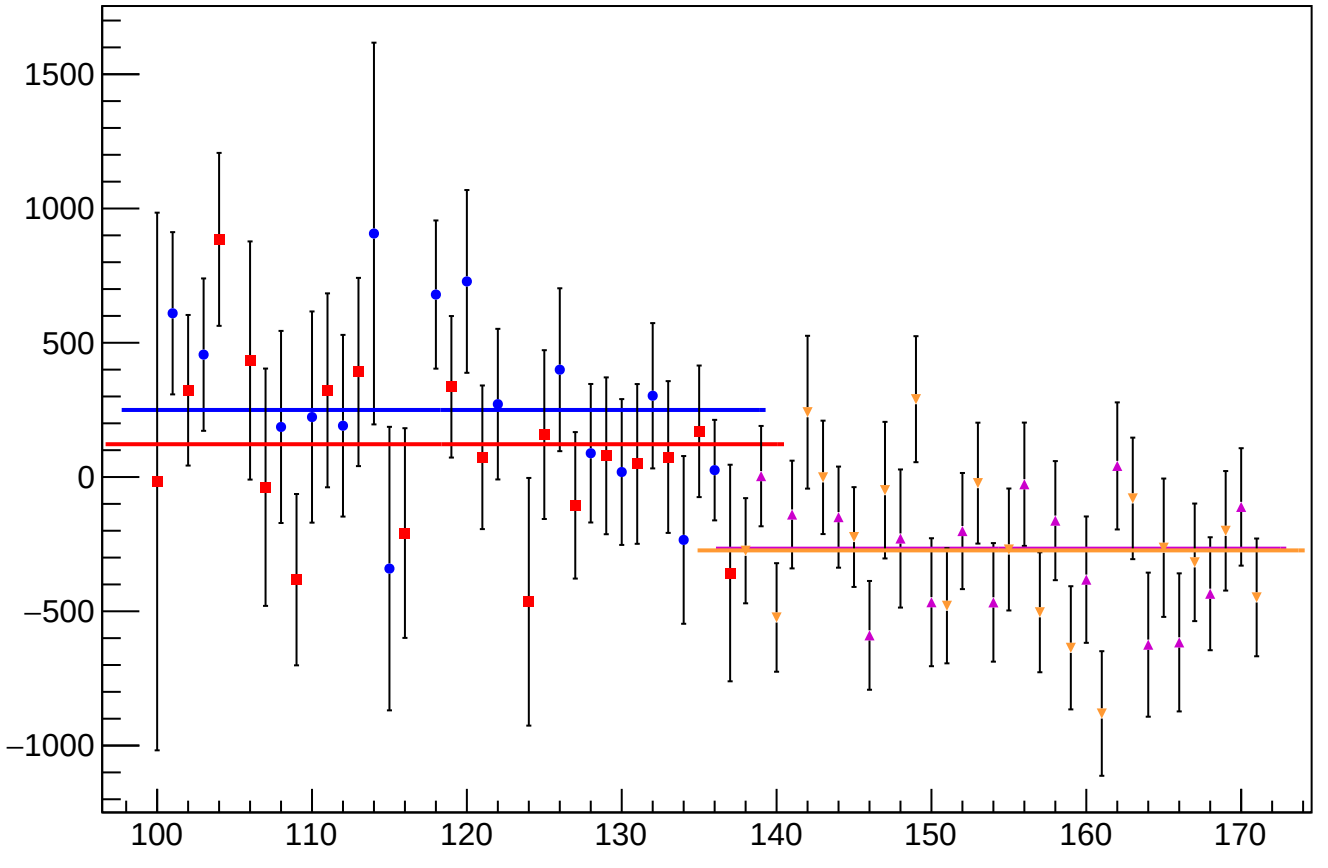
Left: 1560.610+/-0.212 χ^2/NDF: 554853.1/33

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1706.880+/-0.275 χ^2/NDF:2119190.0/31

Out: 1697.160+/-0.266 χ^2/NDF:2565724.6/36

All: 1701.862+/-0.191 χ^2/NDF: 4685561.1/68



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: -266.748+/-55.177 χ^2/NDF:15.1/15

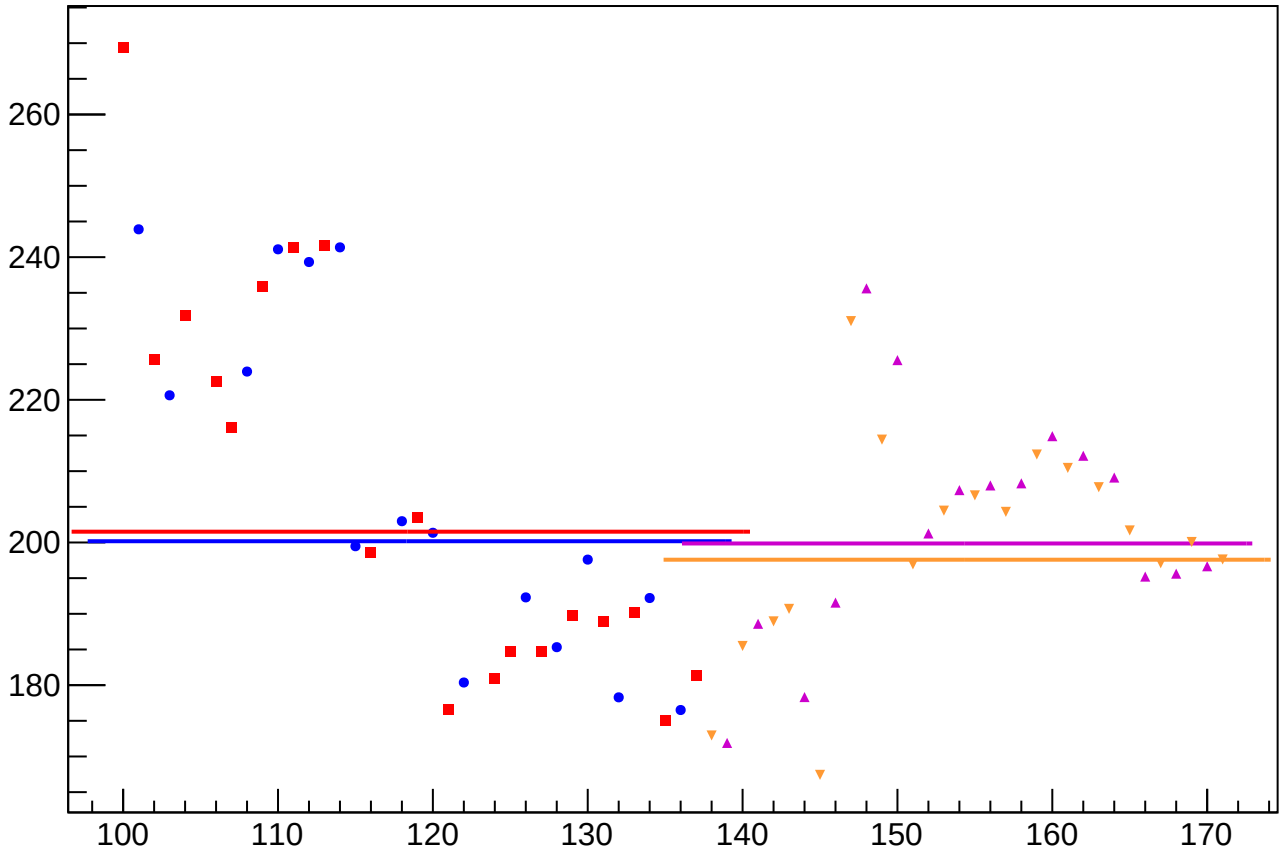
Left: -270.136+/-38.033 χ^2/NDF: 42.2/33

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -84.975+/-44.419 χ^2/NDF:59.7/31

Out: -141.726+/-42.890 χ^2/NDF:61.5/36

All: -114.345+/-30.854 χ^2/NDF: 122.0/68



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: 199.861+/-0.039 χ^2/NDF:168165.9/15

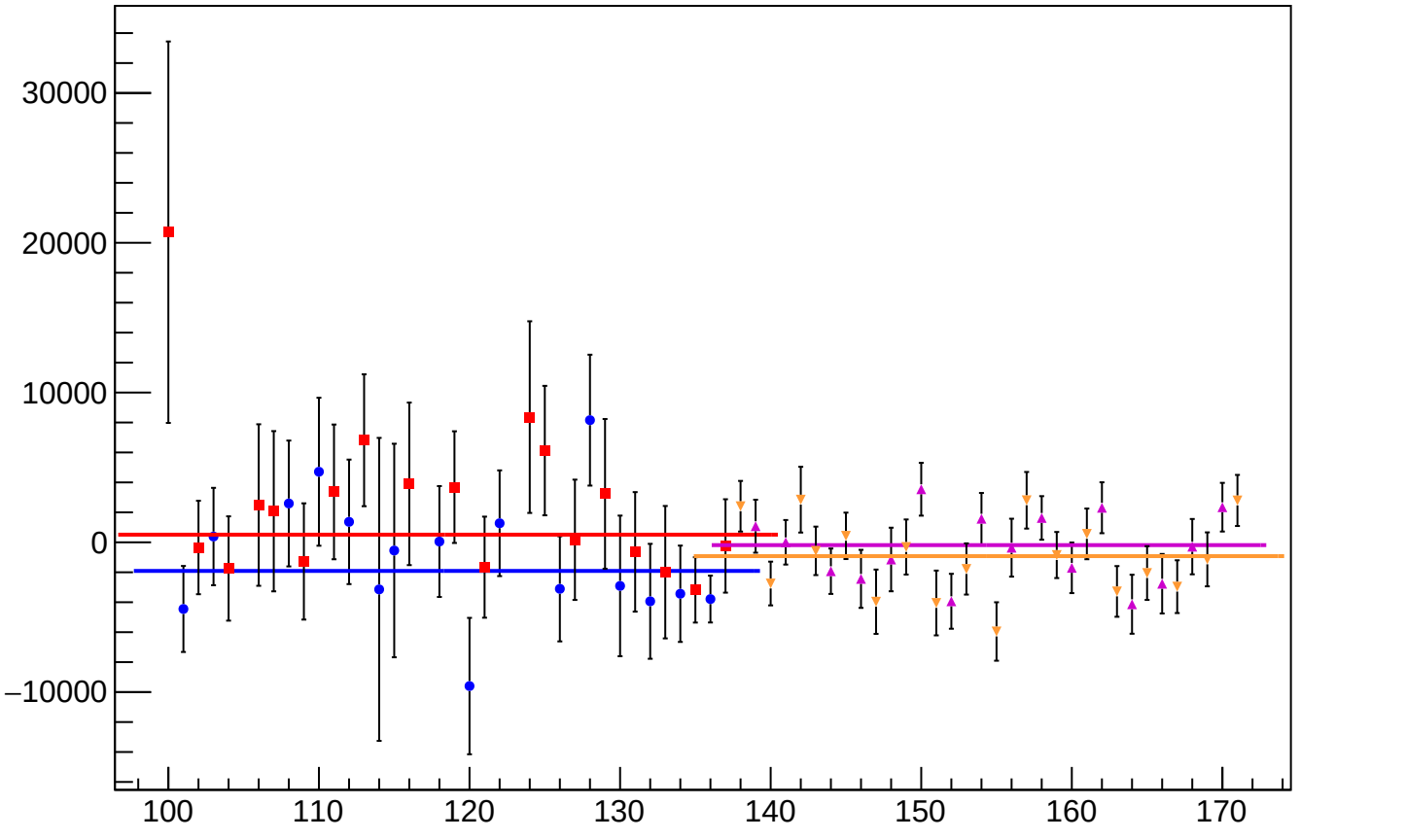
Left: 198.667+/-0.027 χ^2/NDF: 336382.7/33

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.972+/-0.031 χ^2/NDF:349190.6/31

Out: 198.892+/-0.030 χ^2/NDF:365586.6/36

All: 199.413+/-0.022 χ^2/NDF: 715389.4/68



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: -186.833+/-435.503 χ^2/NDF:25.8/15

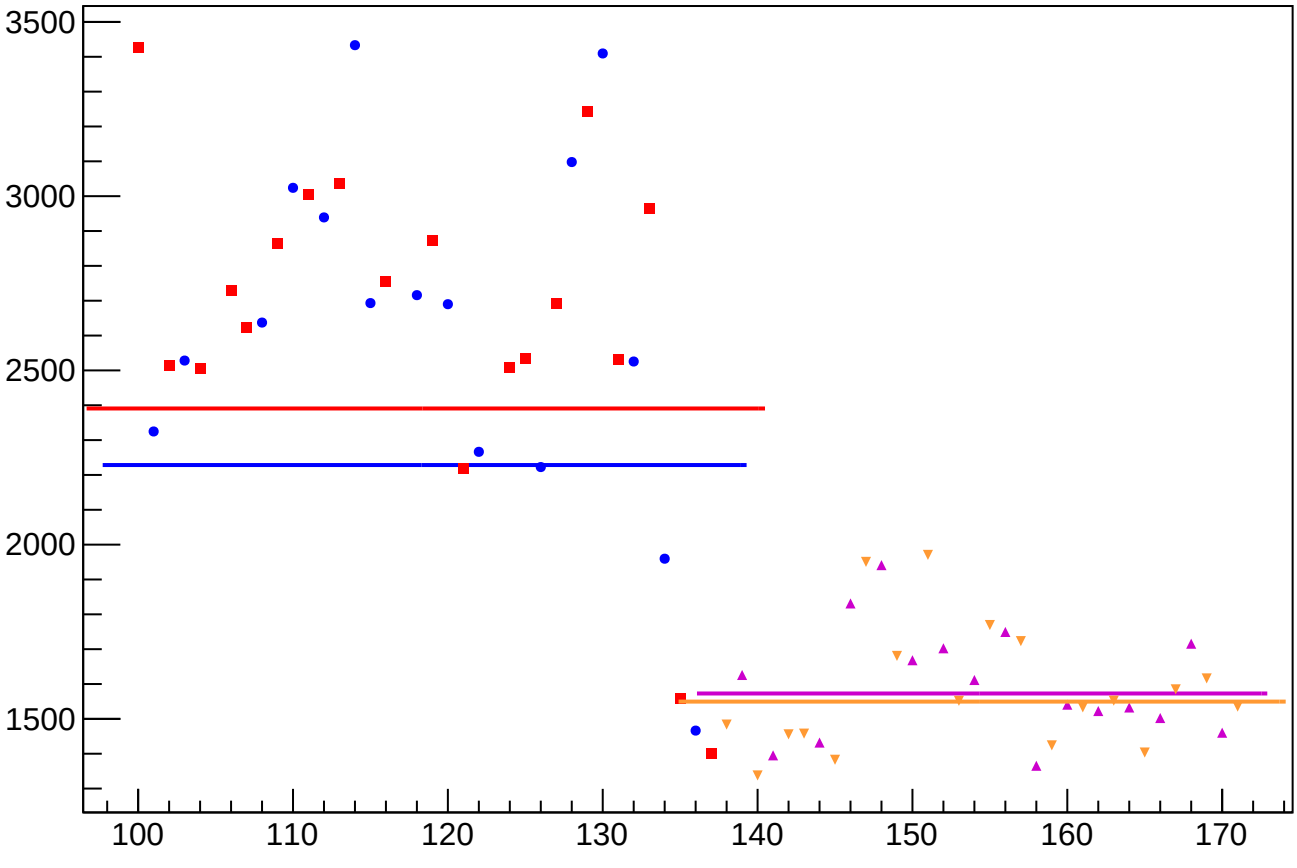
Left: -573.379+/-299.980 χ^2/NDF: 60.7/33

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -539.189+/-388.442 χ^2/NDF:45.2/31

Out: -673.103+/-376.112 χ^2/NDF:49.8/36

All: -608.305+/-270.205 χ^2/NDF: 95.1/68



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: 1572.850+/-0.308 χ^2/NDF:244965.1/15

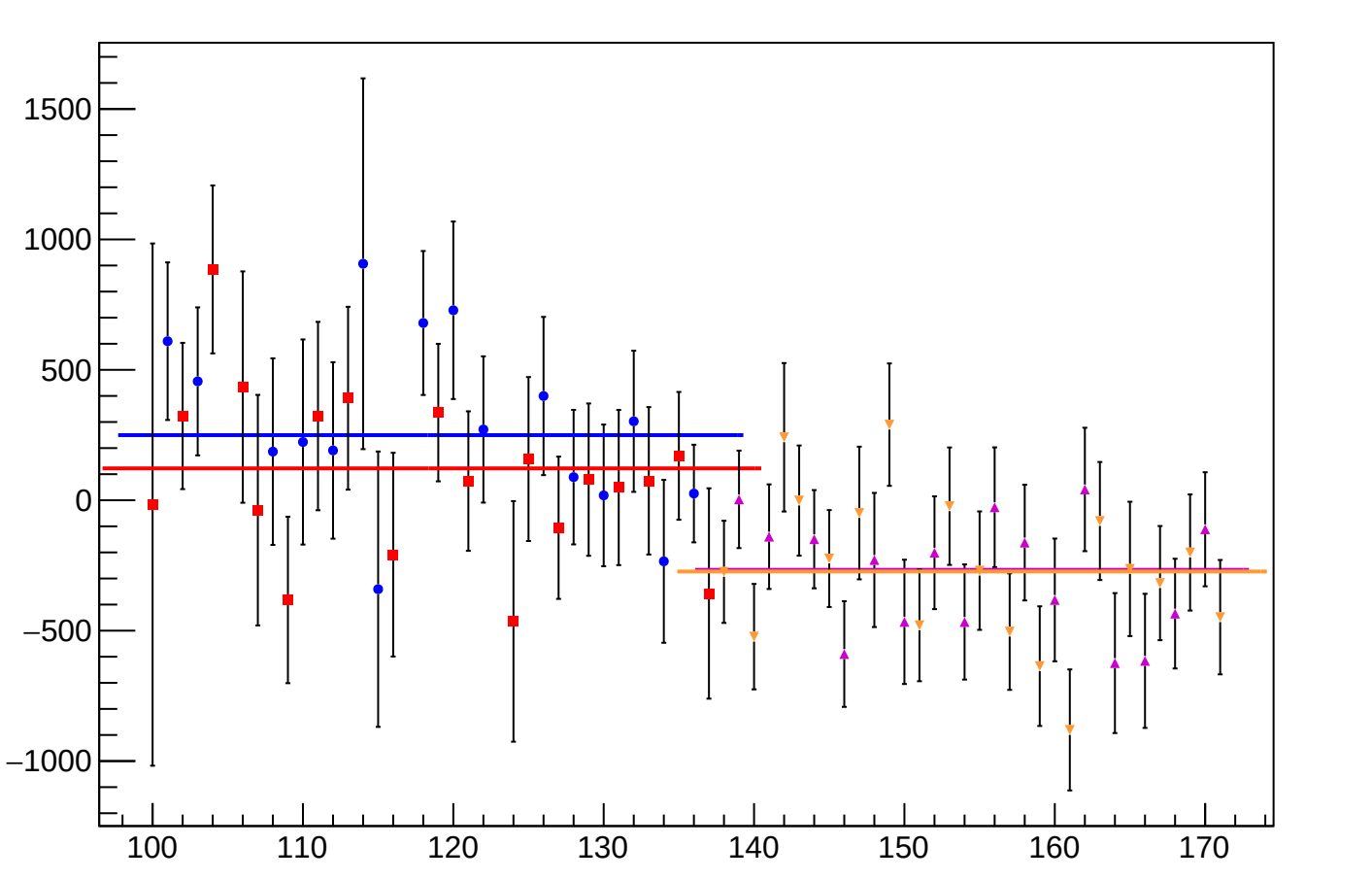
Left: 1560.610+/-0.212 χ^2/NDF: 554853.9/33

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1706.881+/-0.275 χ^2/NDF:2119200.9/31

Out: 1695.808+/-0.266 χ^2/NDF:2533778.6/36

All: 1701.166+/-0.191 χ^2/NDF: 4653818.3/68


eigen_cor_asym_sam_26_dd_mean vs Slug, Sign Corrected
1500
1000
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0
−500
−1000
100
110
120
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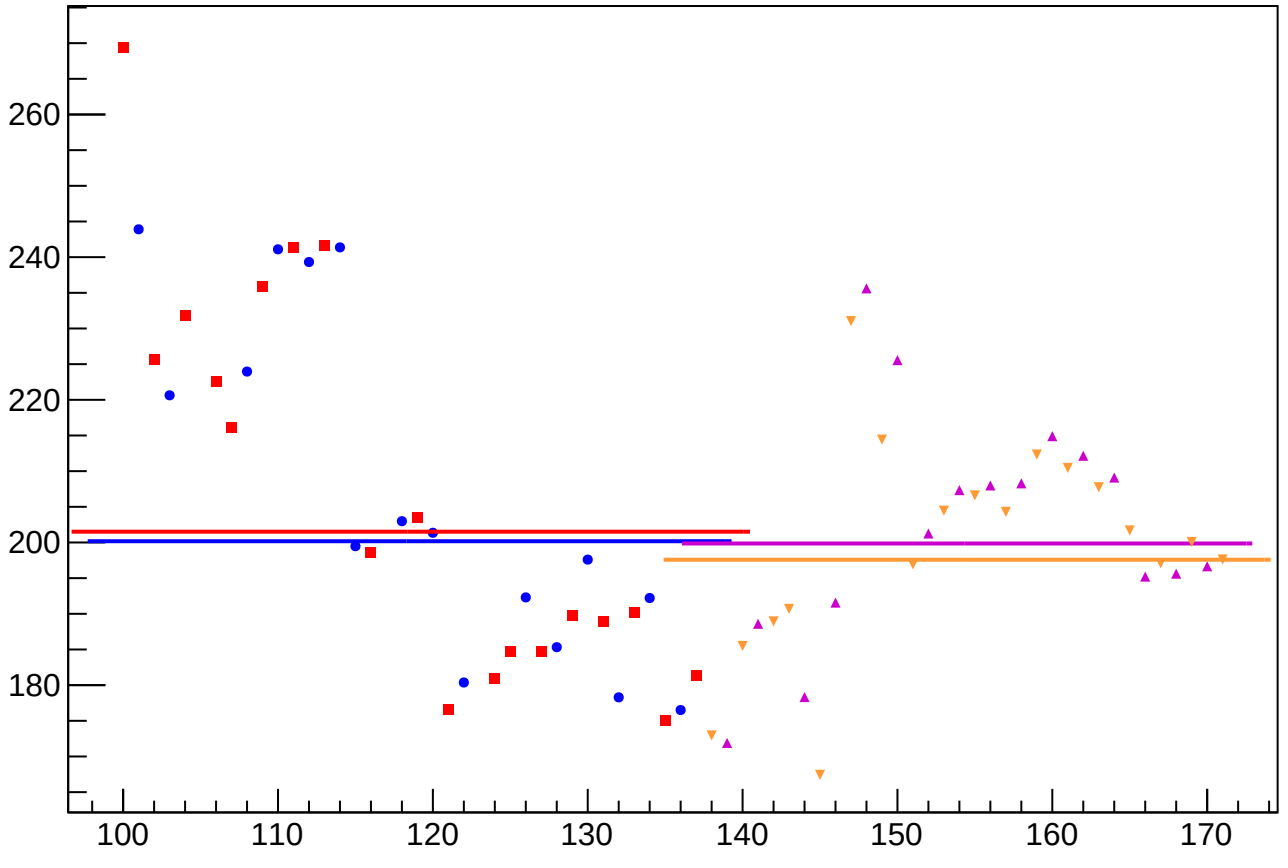
140
150
160
170
Right In: 249.764+/-74.877 χ²/NDF: 13.8/15
Left Out: -273.203+/-52.497 χ²/NDF:27.2/17
Right Out: 122.210+/-74.380 χ²/NDF: 15.5/18
Left In: -266.748+/-55.177 χ²/NDF:15.1/15
Left: -270.136+/-38.033 χ²/NDF: 42.2/33
Right: 185.562+/-52.770 χ²/NDF: 30.7/34
In: -84.975+/-44.419 χ²/NDF:59.7/31
Out: -141.726+/-42.890 χ²/NDF:61.5/36
All: -114.345+/-30.854 χ²/NDF: 122.0/68



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: 199.861+/-0.039 χ^2/NDF:168165.9/15

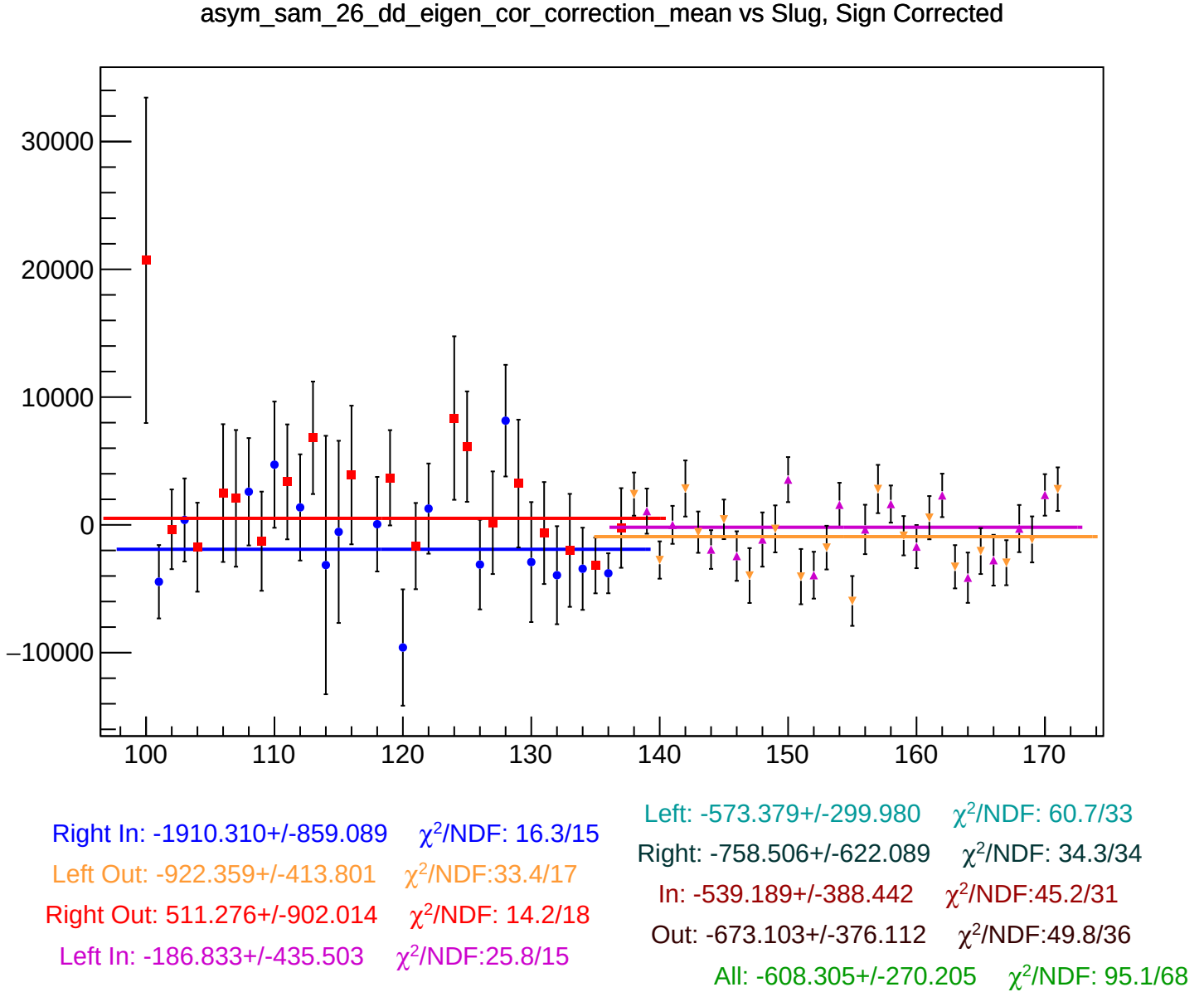
Left: 198.667+/-0.027 χ^2/NDF: 336382.7/33

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

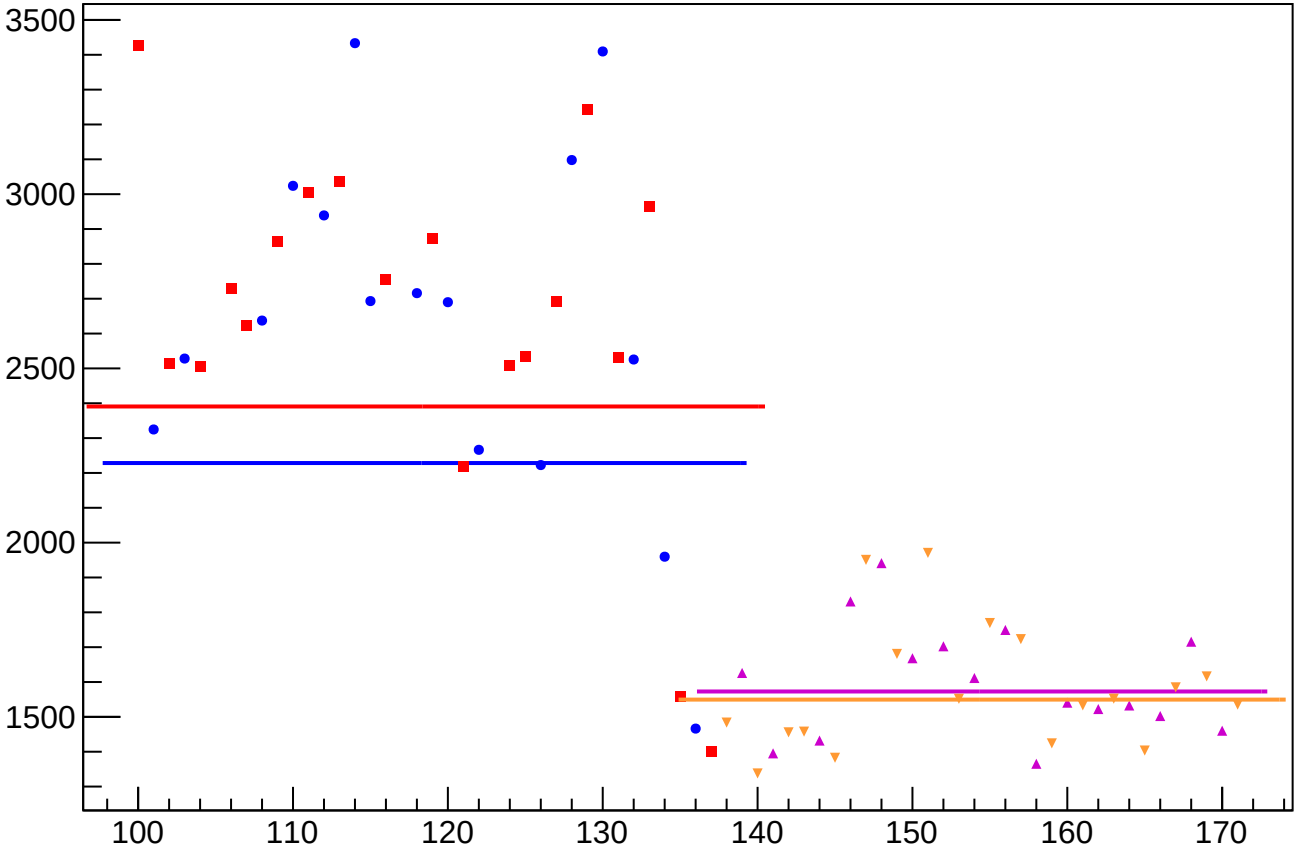
In: 199.972+/-0.031 χ^2/NDF:349190.6/31

Out: 198.892+/-0.030 χ^2/NDF:365586.6/36

All: 199.413+/-0.022 χ^2/NDF: 715389.4/68


asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.310+/-859.089 χ²/NDF: 16.3/15
Left Out: -922.359+/-413.801 χ²/NDF:33.4/17
Right Out: 511.276+/-902.014 χ²/NDF: 14.2/18
Left In: -186.833+/-435.503 χ²/NDF:25.8/15
Left: -573.379+/-299.980 χ²/NDF: 60.7/33
Right: -758.506+/-622.089 χ²/NDF: 34.3/34
In: -539.189+/-388.442 χ²/NDF:45.2/31
Out: -673.103+/-376.112 χ²/NDF:49.8/36
All: -608.305+/-270.205 χ²/NDF: 95.1/68

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: 1572.850+/-0.308 χ^2/NDF:244965.1/15

Left: 1560.610+/-0.212 χ^2/NDF: 554853.9/33

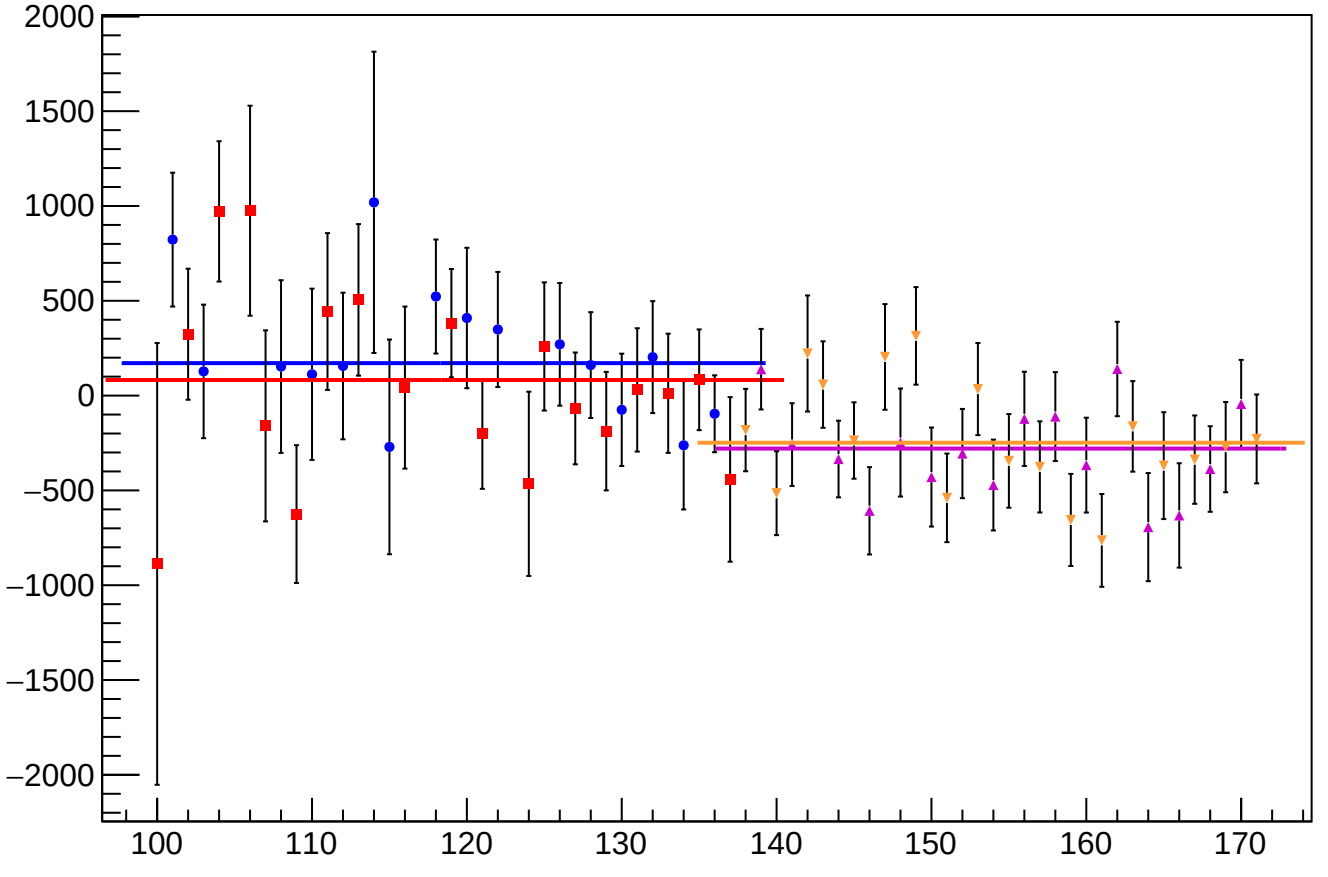
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1706.881+/-0.275 χ^2/NDF:2119200.9/31

Out: 1695.808+/-0.266 χ^2/NDF:2533778.6/36

All: 1701.166+/-0.191 χ^2/NDF: 4653818.3/68

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 171.258+/-83.116 χ^2/NDF: 11.5/15

Left Out: -248.547+/-56.688 χ^2/NDF:24.2/17

Right Out: 82.152+/-82.545 χ^2/NDF: 21.6/18

Left In: -279.362+/-59.867 χ^2/NDF:15.9/15

Left: -263.114+/-41.162 χ^2/NDF: 40.2/33

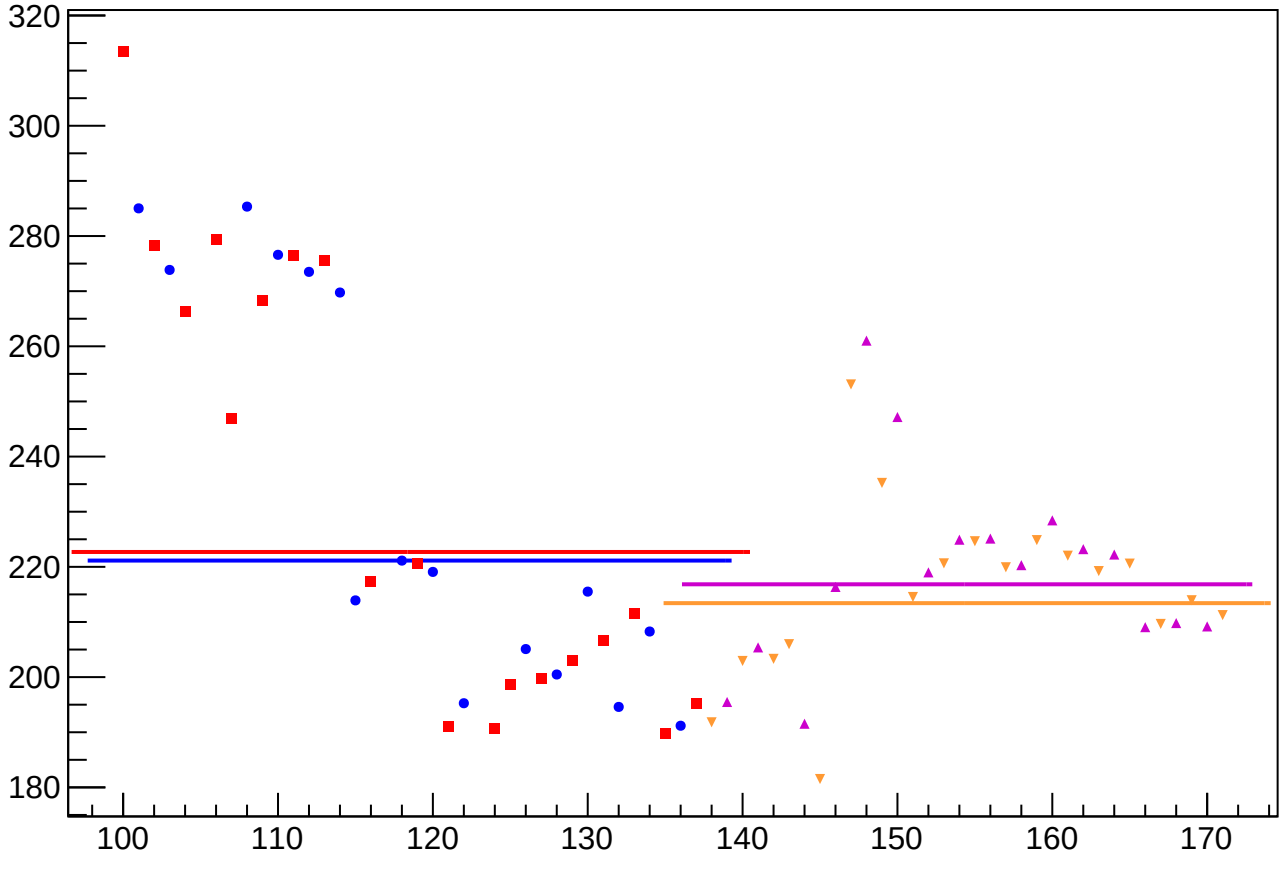
Right: 126.398+/-58.569 χ^2/NDF: 33.7/34

In: -125.433+/-48.578 χ^2/NDF:46.7/31

Out: -142.565+/-46.729 χ^2/NDF:56.7/36

All: -134.331+/-33.677 χ^2/NDF: 103.5/68

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: 216.835+/-0.042 χ^2/NDF:149239.0/15

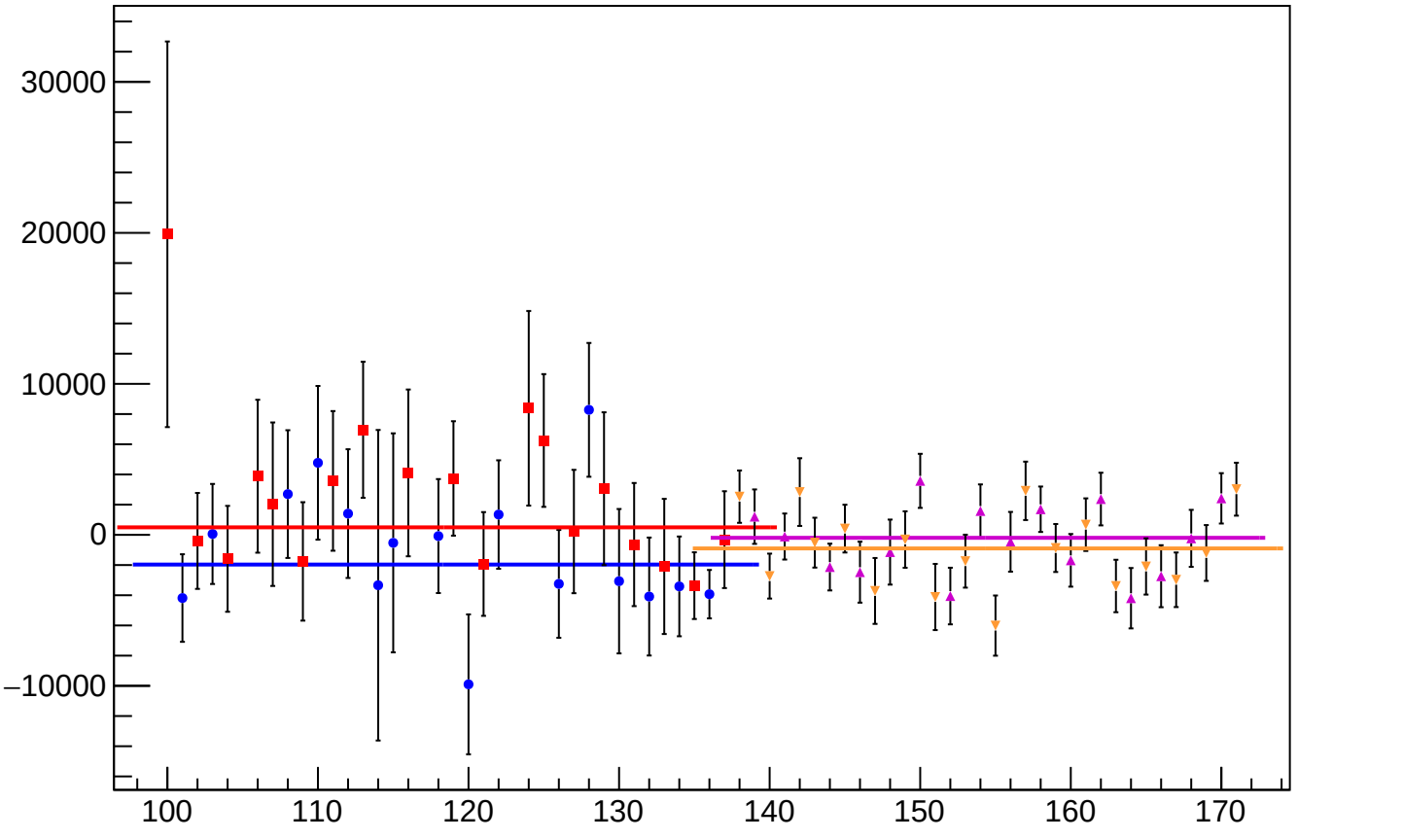
Left: 215.033+/-0.029 χ^2/NDF: 303794.2/33

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 218.305+/-0.034 χ^2/NDF:471473.0/31

Out: 216.391+/-0.033 χ^2/NDF:495329.1/36

All: 217.311+/-0.024 χ^2/NDF: 968414.1/68



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: -196.198+/-446.466 χ^2/NDF:25.8/15

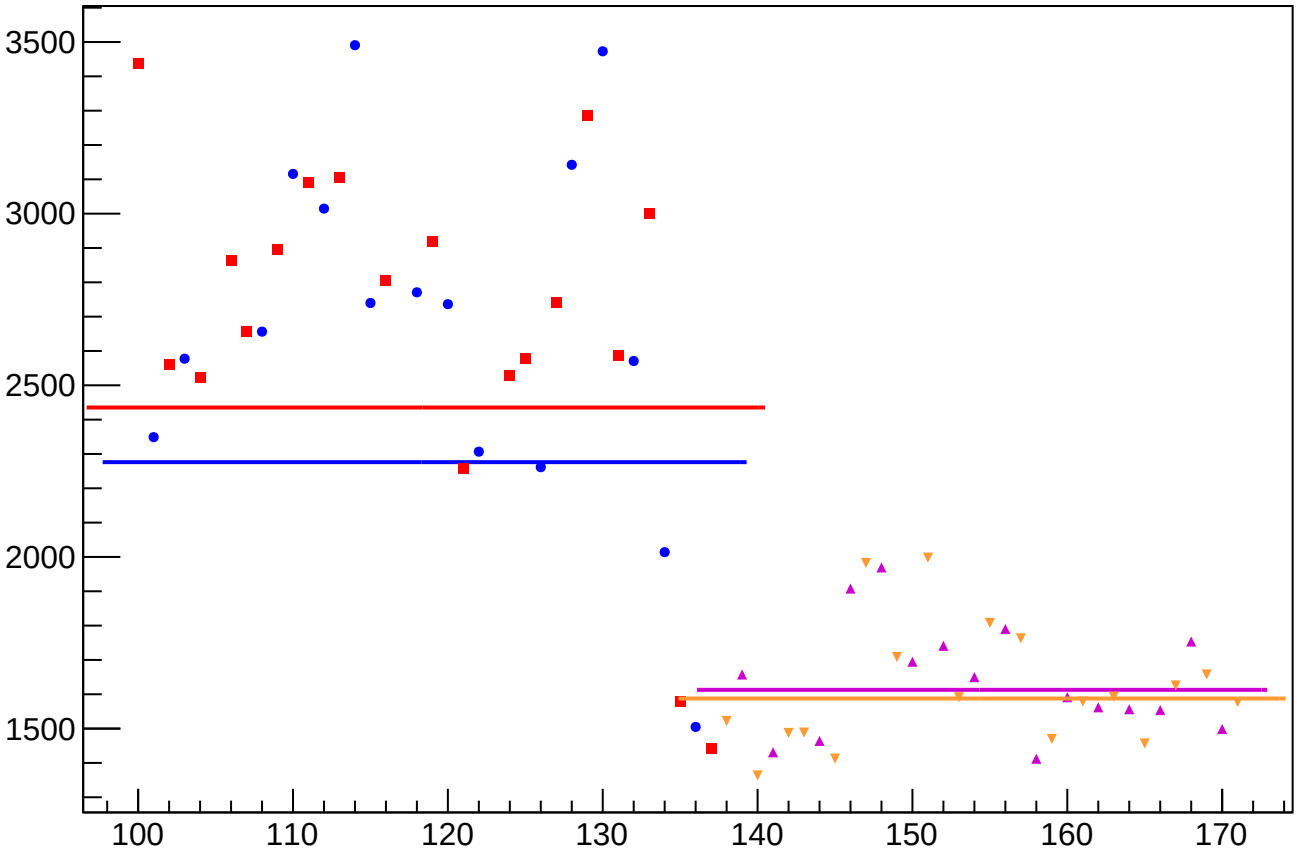
Left: -566.005+/-307.362 χ^2/NDF: 60.3/33

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -561.013+/-397.839 χ^2/NDF:45.2/31

Out: -652.432+/-384.515 χ^2/NDF:49.9/36

All: -608.279+/-276.484 χ^2/NDF: 95.1/68



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: 1612.901+/-0.316 χ^2/NDF:237477.3/15

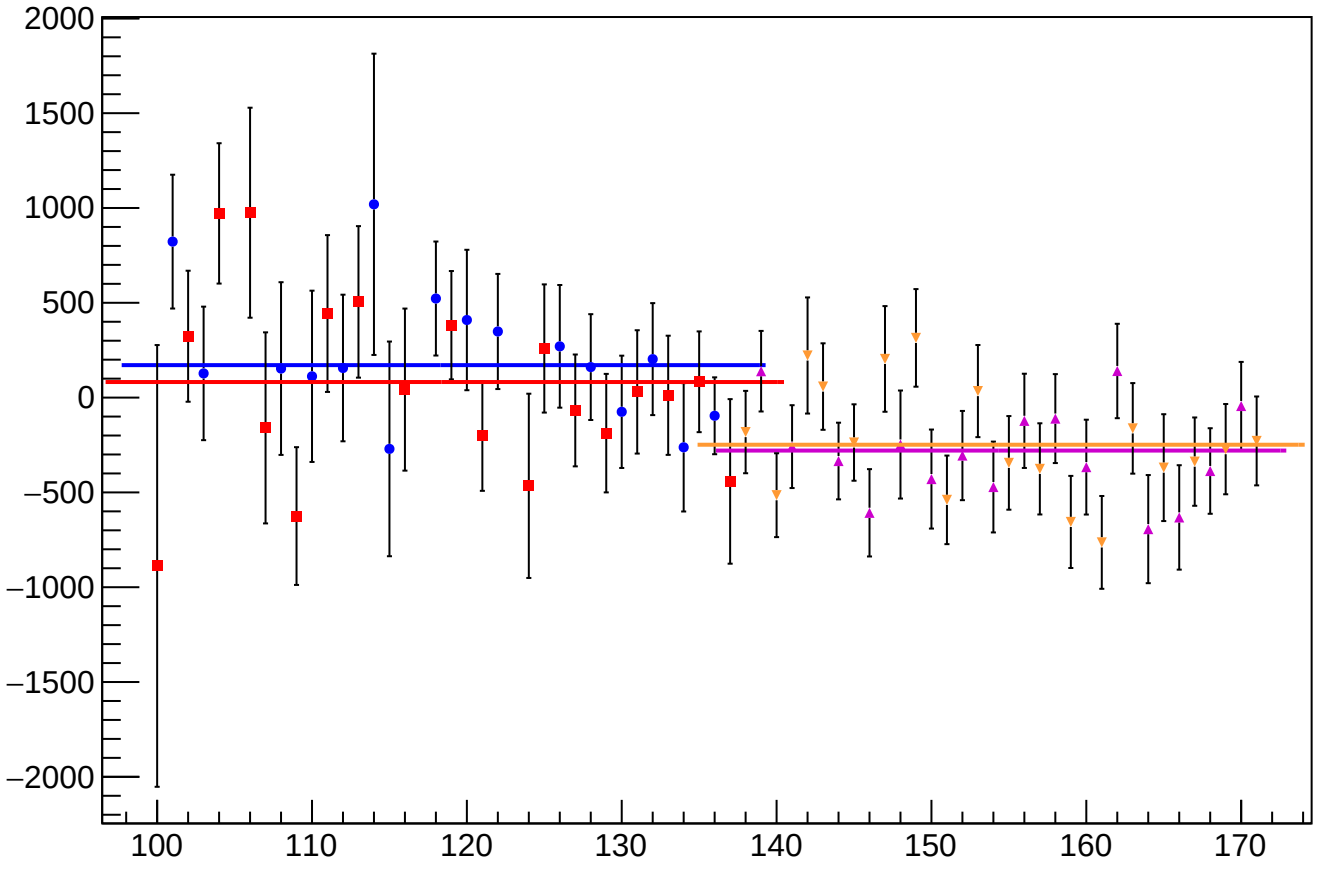
Left: 1599.625+/-0.217 χ^2/NDF: 534318.6/33

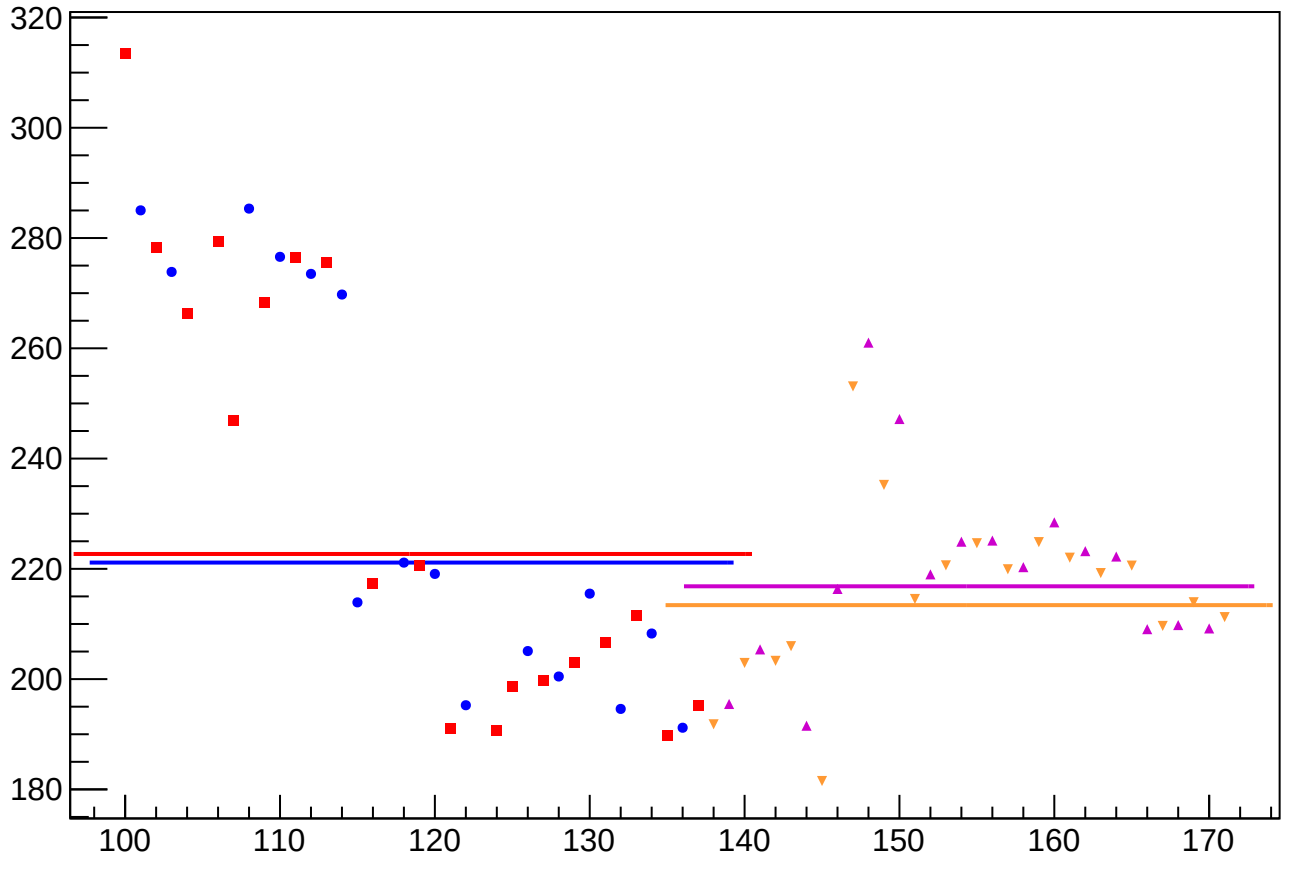
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1749.506+/-0.281 χ^2/NDF:2073510.1/31

Out: 1737.444+/-0.272 χ^2/NDF:2499007.6/36

All: 1743.270+/-0.196 χ^2/NDF: 4573468.2/68


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: -279.364+/-59.867 χ²/NDF:15.9/15
Left: -263.117+/-41.162 χ²/NDF: 40.2/33
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -125.433+/-48.578 χ²/NDF:46.7/31
Out: -142.567+/-46.729 χ²/NDF:56.7/36
All: -134.332+/-33.677 χ²/NDF: 103.5/68



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: 216.834+/-0.042 χ^2/NDF:149241.7/15

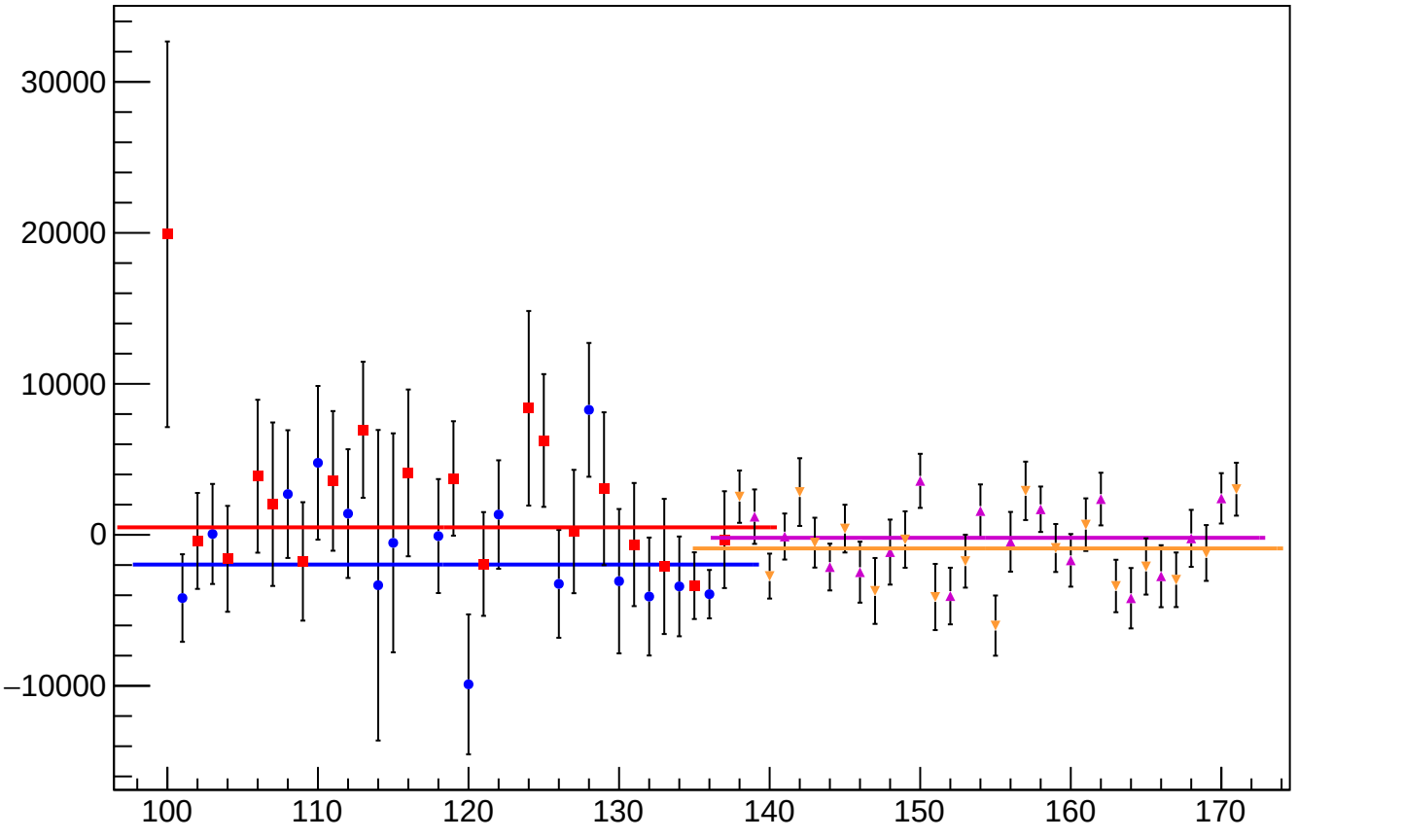
Left: 215.032+/-0.029 χ^2/NDF: 303800.8/33

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 218.304+/-0.034 χ^2/NDF:471469.0/31

Out: 216.391+/-0.033 χ^2/NDF:495323.5/36

All: 217.311+/-0.024 χ^2/NDF: 968404.2/68



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: -196.197+/-446.466 χ^2/NDF:25.8/15

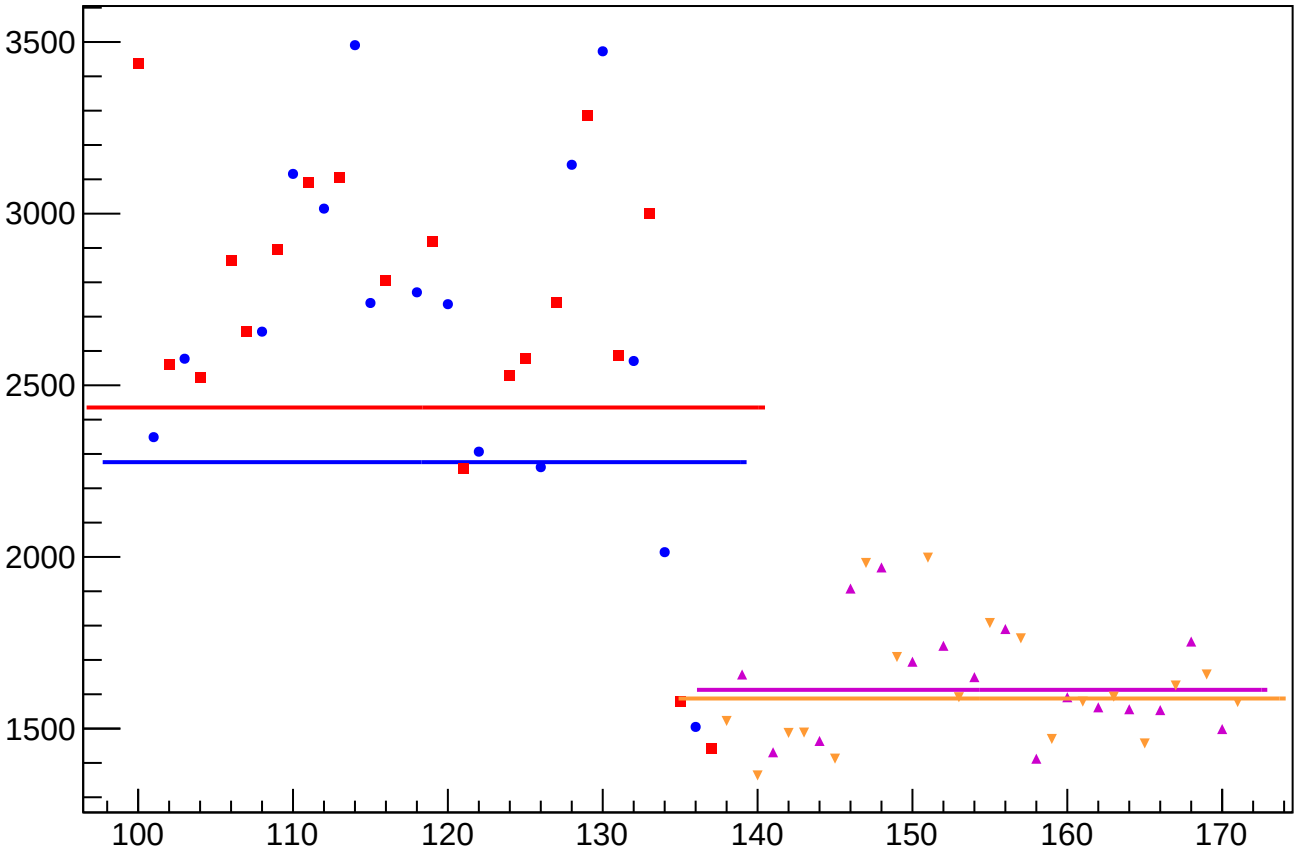
Left: -566.004+/-307.362 χ^2/NDF: 60.3/33

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -561.012+/-397.838 χ^2/NDF:45.2/31

Out: -652.431+/-384.515 χ^2/NDF:49.9/36

All: -608.278+/-276.483 χ^2/NDF: 95.1/68



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: 1612.901+/-0.316 χ^2/NDF:237479.5/15

Left: 1599.625+/-0.217 χ^2/NDF: 534323.8/33

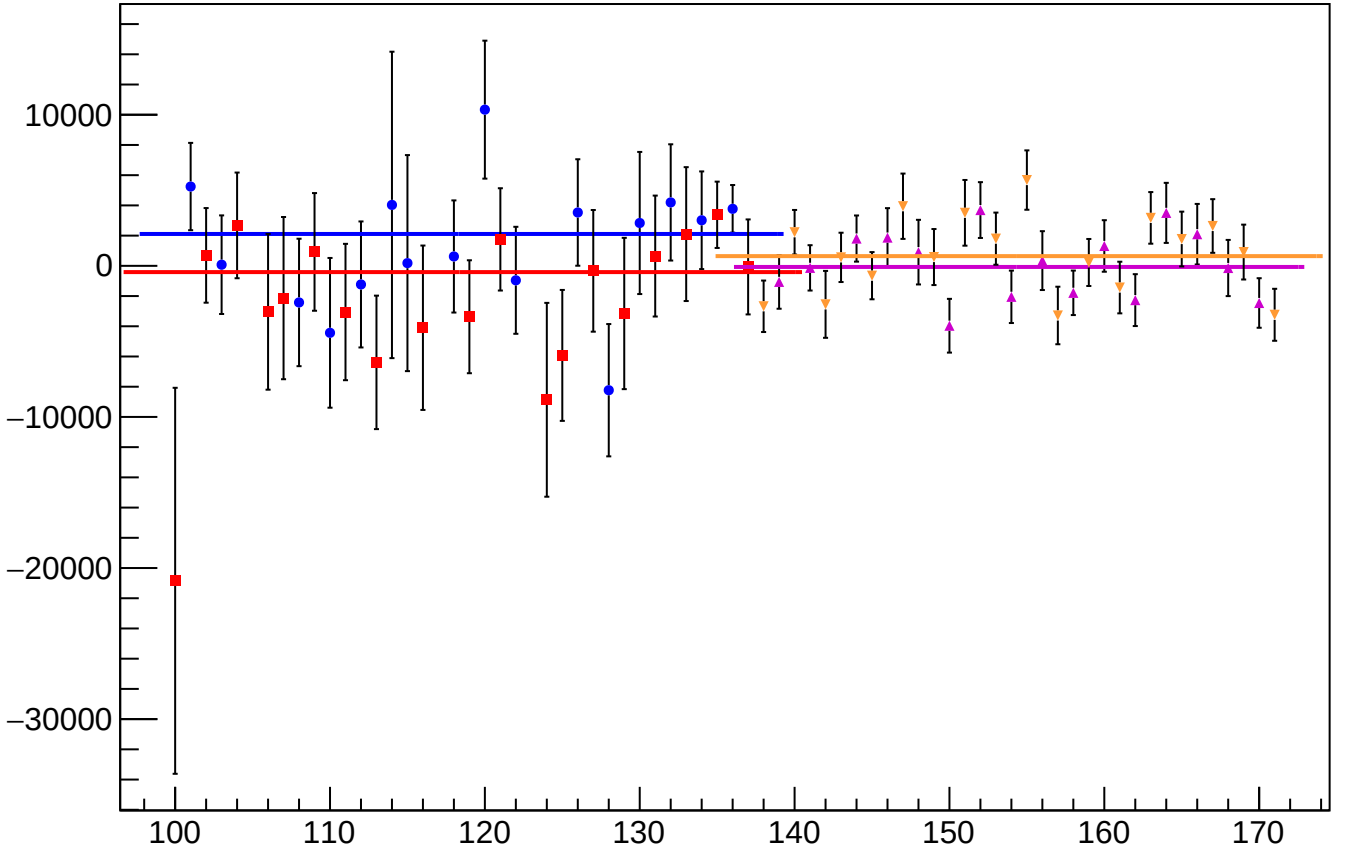
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1749.506+/-0.281 χ^2/NDF:2073498.9/31

Out: 1737.443+/-0.272 χ^2/NDF:2498997.6/36

All: 1743.269+/-0.196 χ^2/NDF: 4573447.0/68

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: -73.527+/-439.187 χ^2/NDF:23.5/15

Left: 302.968+/-302.512 χ^2/NDF: 58.5/33

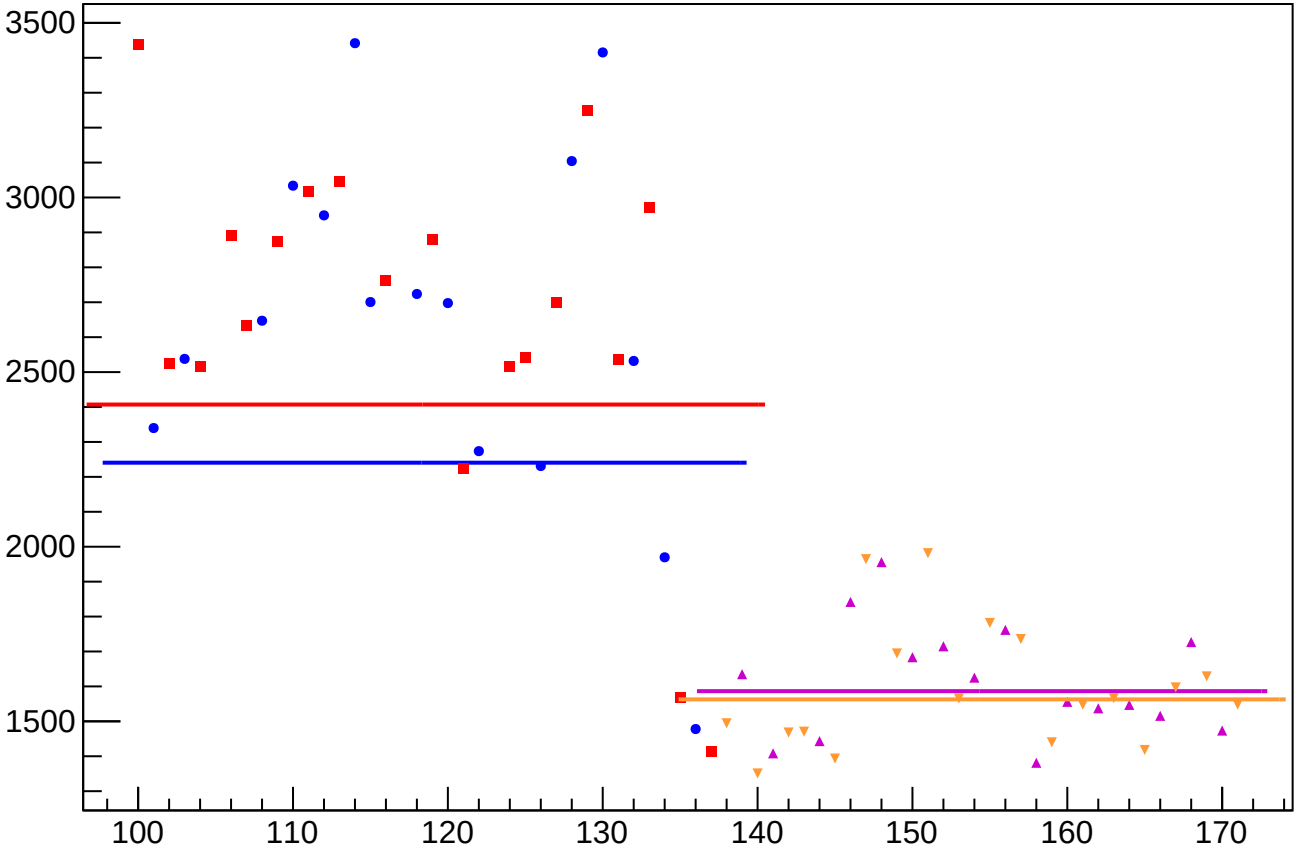
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 375.312+/-391.443 χ^2/NDF:45.2/31

Out: 457.340+/-378.900 χ^2/NDF:49.4/36

All: 417.661+/-272.249 χ^2/NDF: 94.6/68

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: 1586.413+/-0.311 χ^2/NDF:239445.7/15

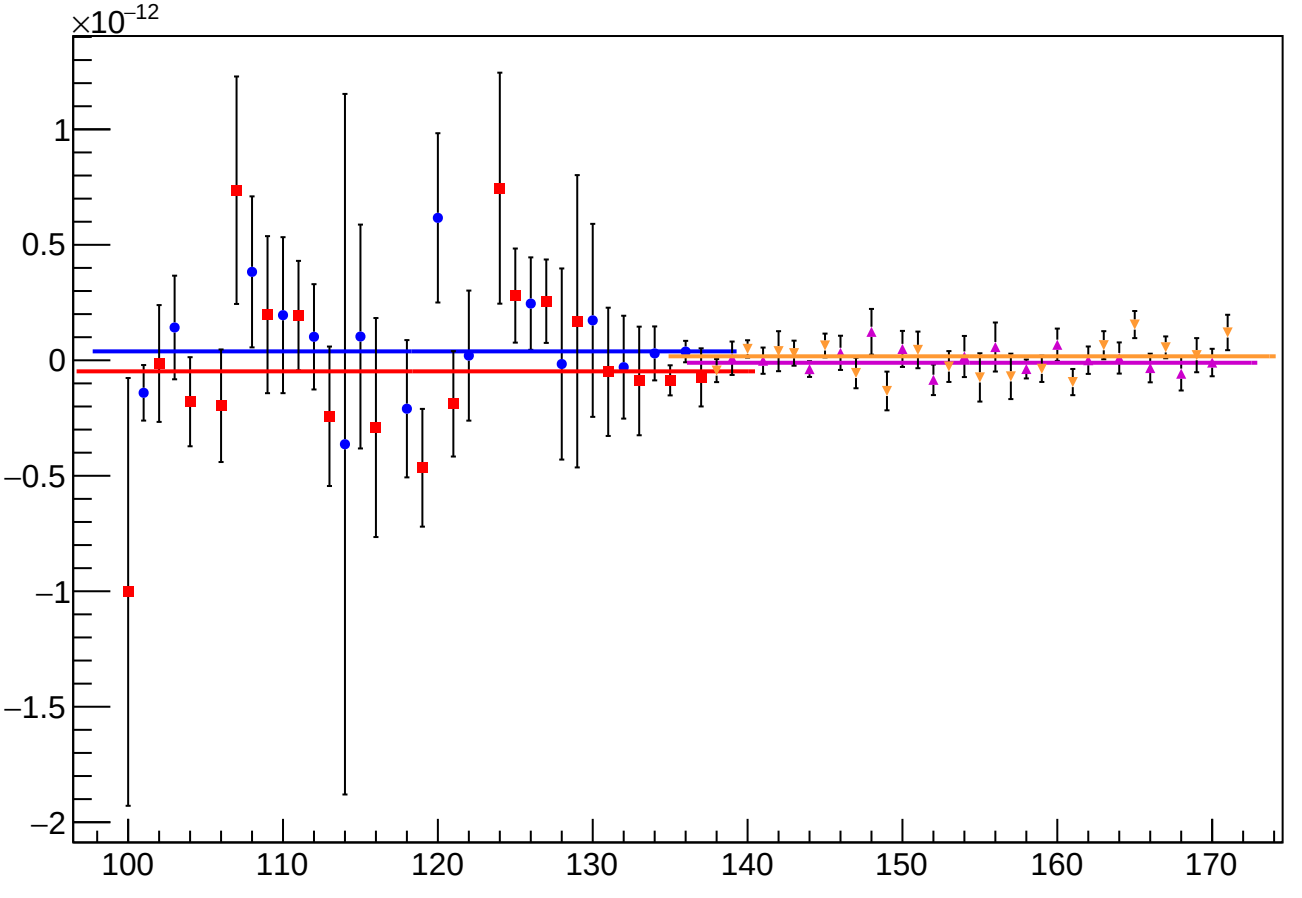
Left: 1574.043+/-0.214 χ^2/NDF: 544167.7/33

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1720.920+/-0.277 χ^2/NDF:2085452.3/31

Out: 1711.055+/-0.268 χ^2/NDF:2527550.7/36

All: 1715.827+/-0.193 χ^2/NDF: 4613658.8/68



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:7.6/15

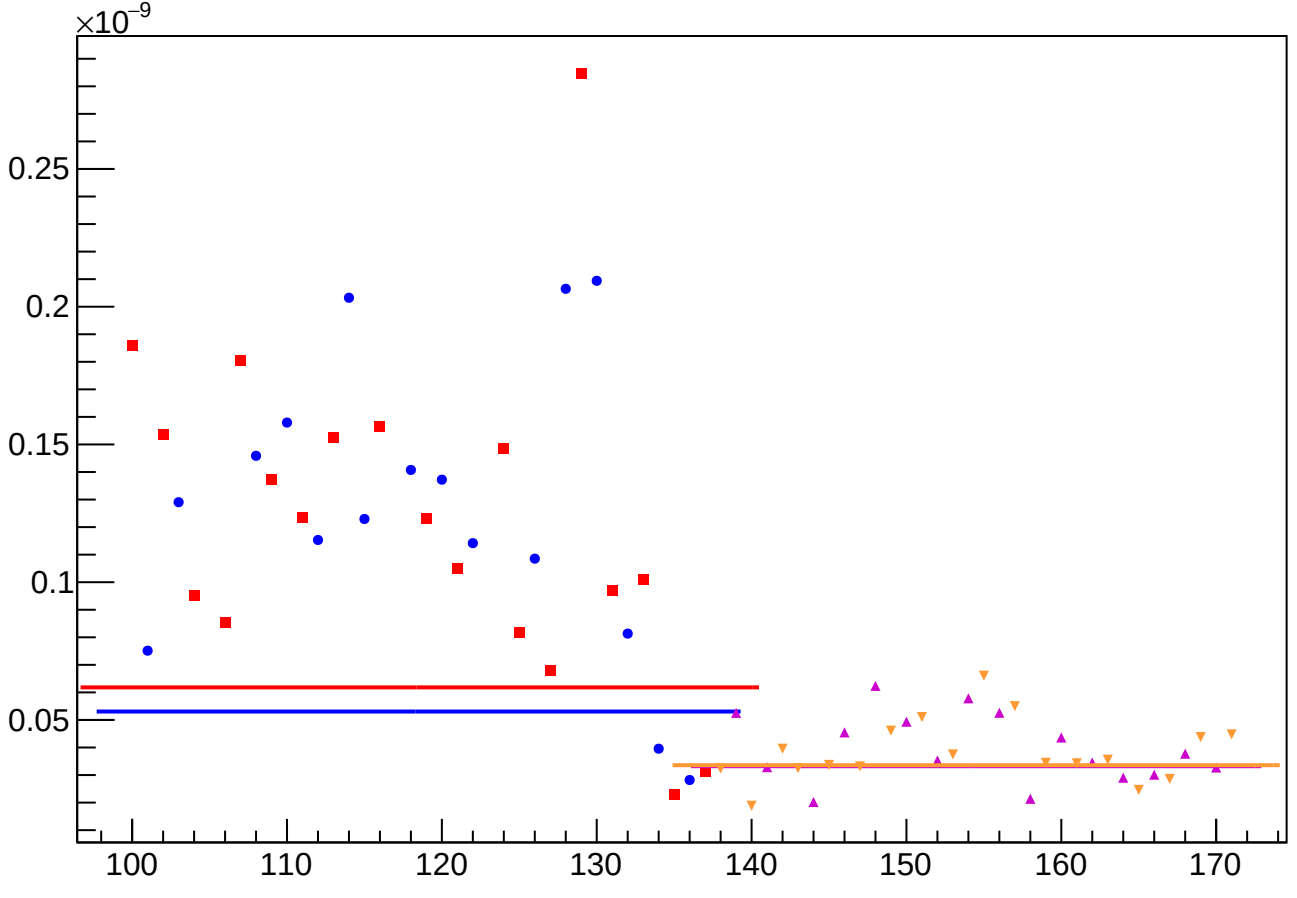
Left: 0.000+/-0.000 χ^2/NDF: 32.5/33

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: -0.000+/-0.000 χ^2/NDF:17.6/31

Out: 0.000+/-0.000 χ^2/NDF:43.4/36

All: 0.000+/-0.000 χ^2/NDF: 61.5/68



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:1203993.4/15

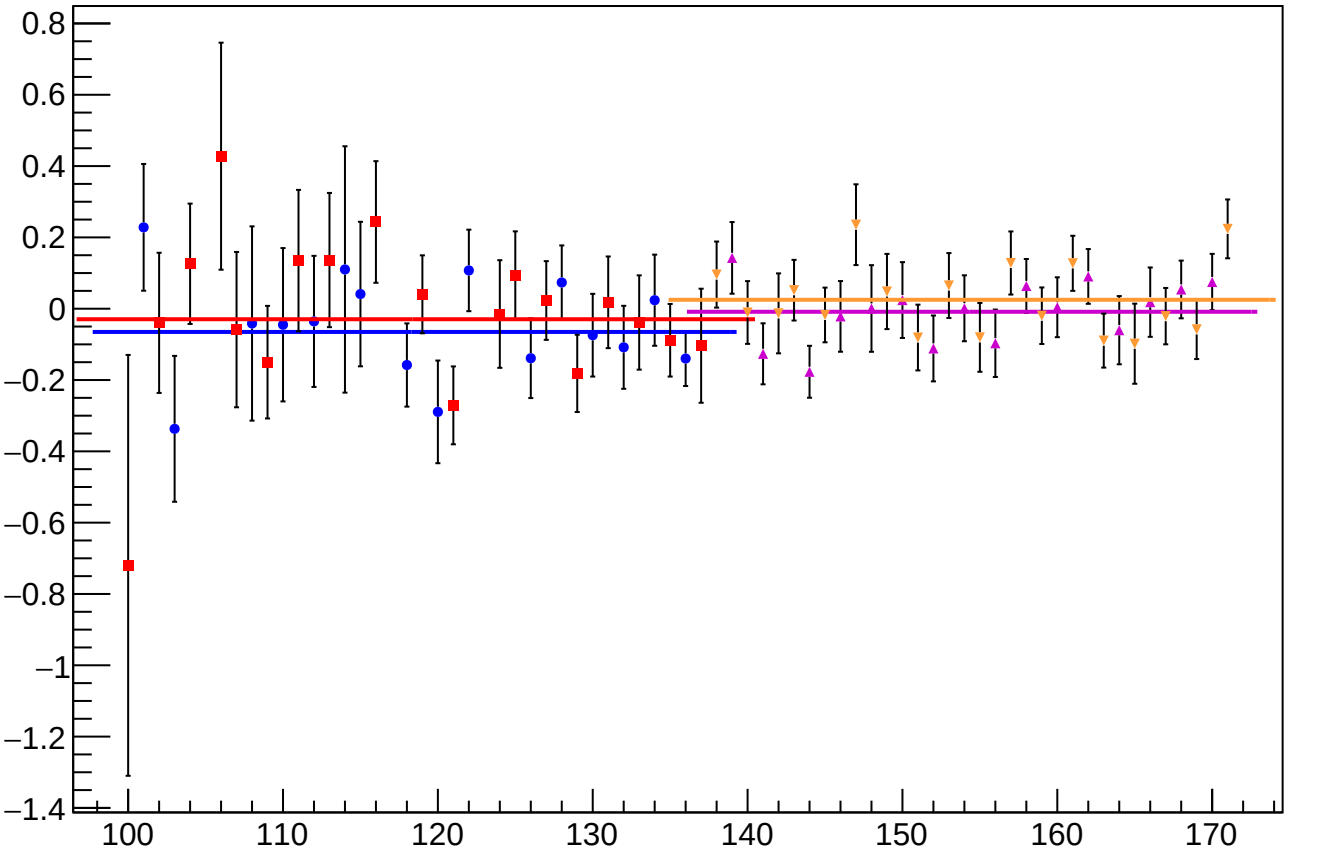
Left: 0.000+/-0.000 χ^2/NDF: 2113491.1/33

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4287184.8/31

Out: 0.000+/-0.000 χ^2/NDF:4091268.2/36

All: 0.000+/-0.000 χ^2/NDF: 8378584.4/68



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: -0.009+/-0.022 χ^2/NDF:16.4/15

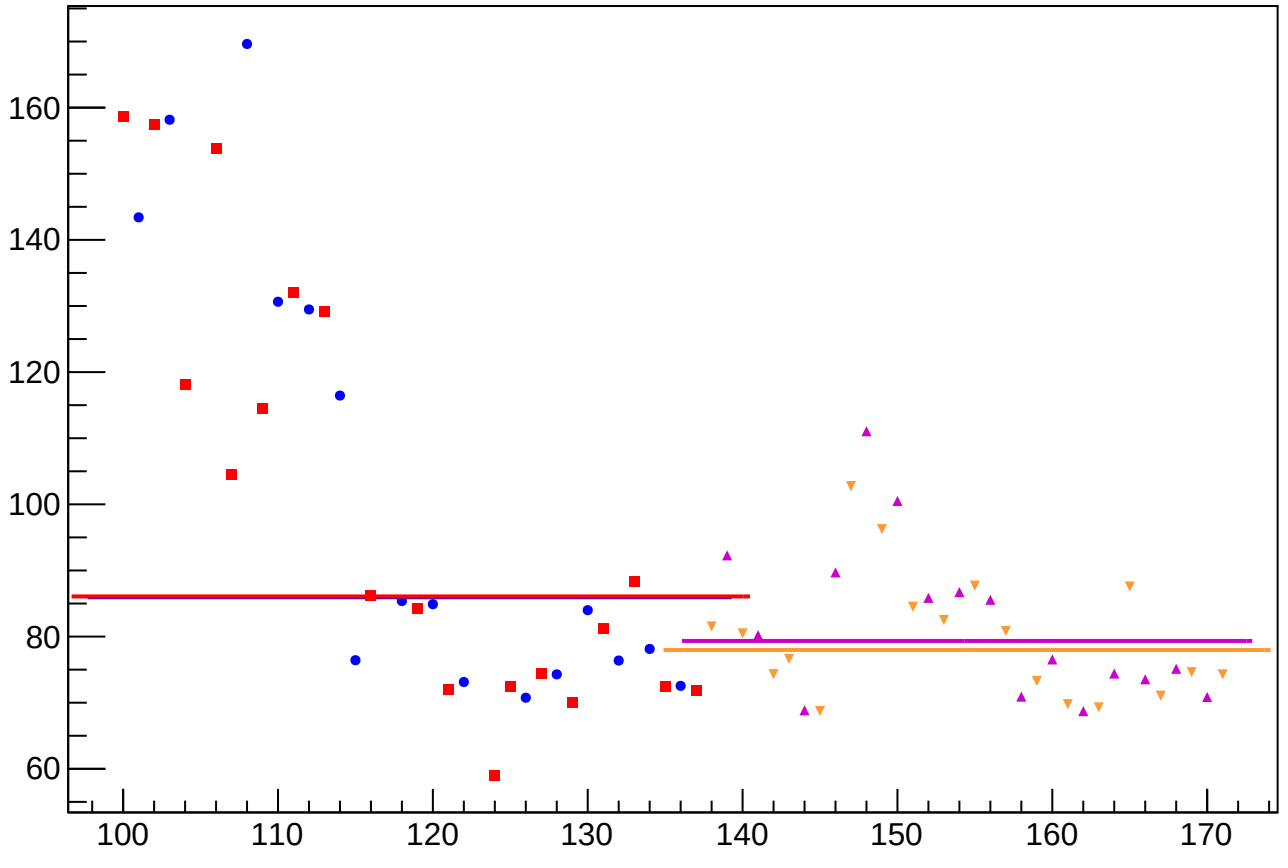
Left: 0.009+/-0.015 χ^2/NDF: 39.2/33

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.007+/-0.013 χ^2/NDF: 76.1/68



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: 79.343+/-0.016 χ^2/NDF:449967.6/15

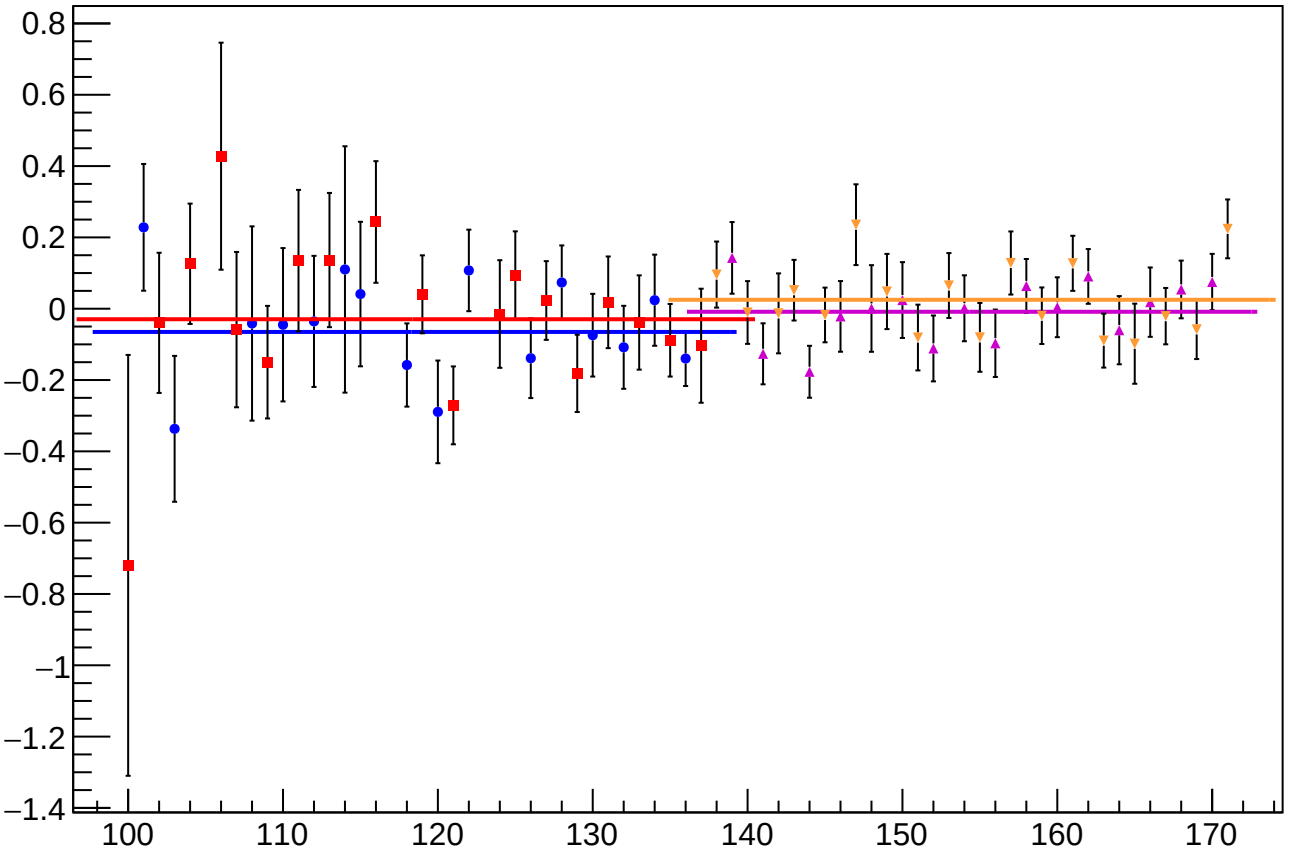
Left: 78.613+/-0.011 χ^2/NDF: 776581.9/33

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 81.365+/-0.013 χ^2/NDF:1539497.2/31

Out: 80.278+/-0.012 χ^2/NDF:1400344.4/36

All: 80.796+/-0.009 χ^2/NDF: 2943477.2/68



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: -0.009+/-0.022 χ^2/NDF:16.4/15

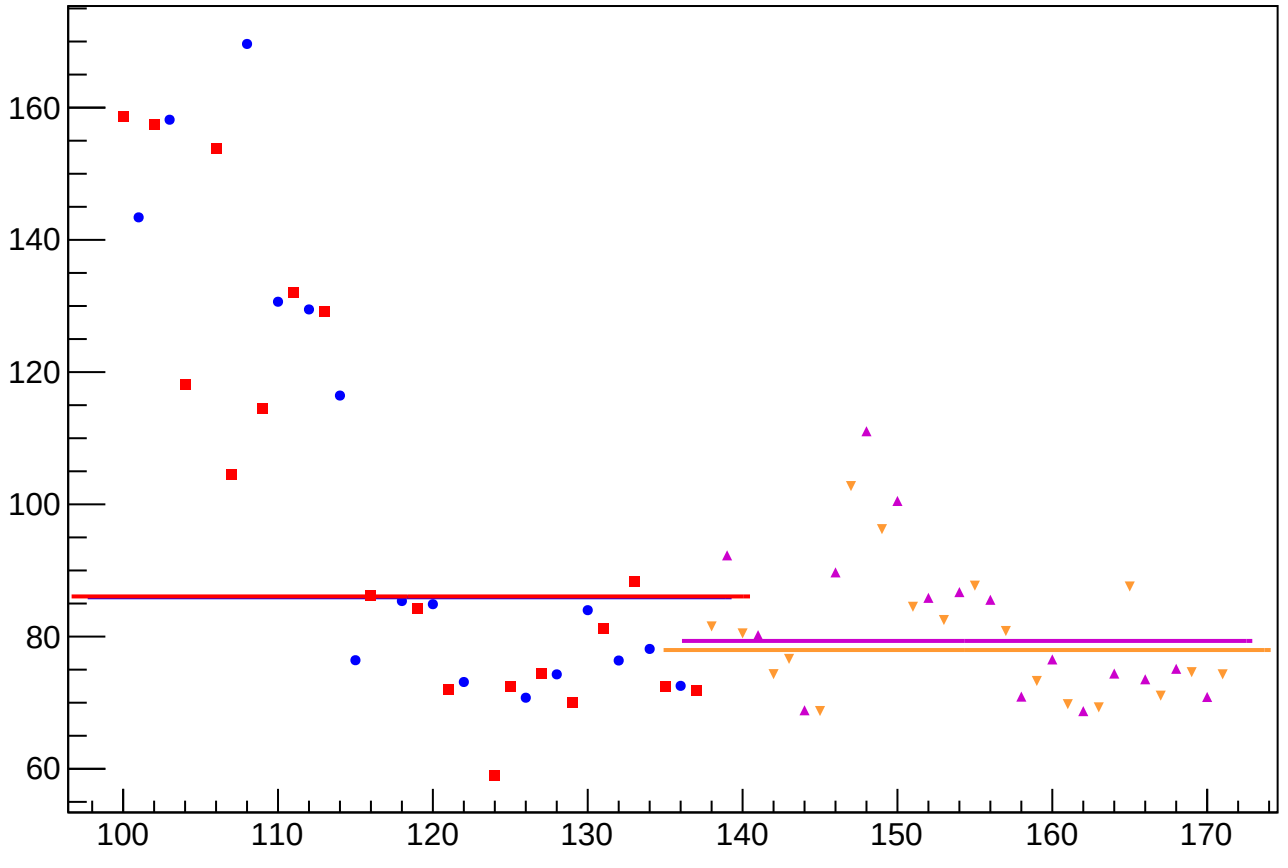
Left: 0.009+/-0.015 χ^2/NDF: 39.2/33

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.007+/-0.013 χ^2/NDF: 76.1/68



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: 79.343+/-0.016 χ^2/NDF:449967.6/15

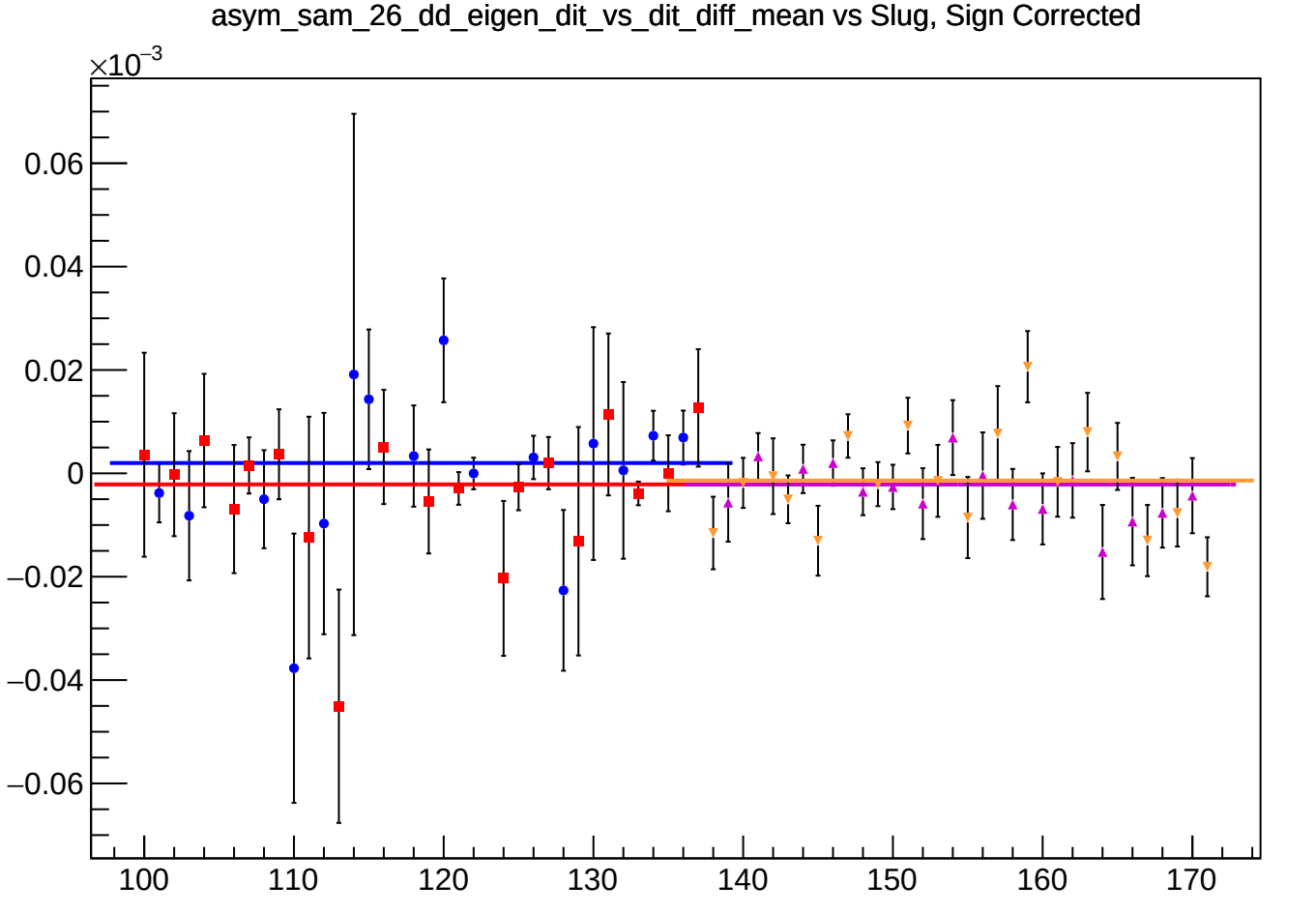
Left: 78.613+/-0.011 χ^2/NDF: 776581.9/33

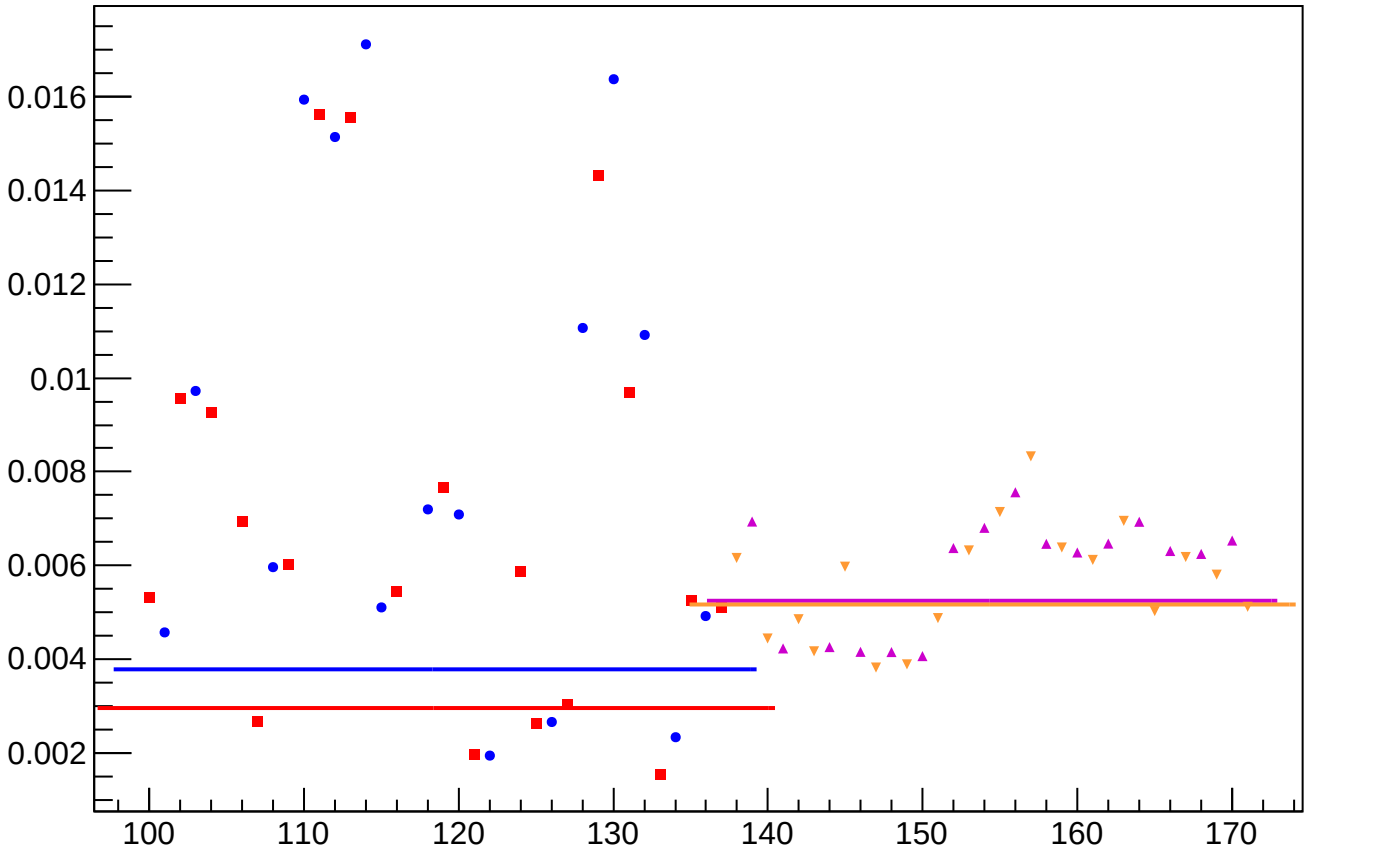
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 81.365+/-0.013 χ^2/NDF:1539497.2/31

Out: 80.278+/-0.012 χ^2/NDF:1400344.4/36

All: 80.796+/-0.009 χ^2/NDF: 2943477.2/68


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:9.3/15
Left: -0.000+/-0.000 χ²/NDF: 49.7/33
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: -0.000+/-0.000 χ²/NDF:27.5/31
Out: -0.000+/-0.000 χ²/NDF:51.9/36
All: -0.000+/-0.000 χ²/NDF: 80.2/68



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:1347352.0/15

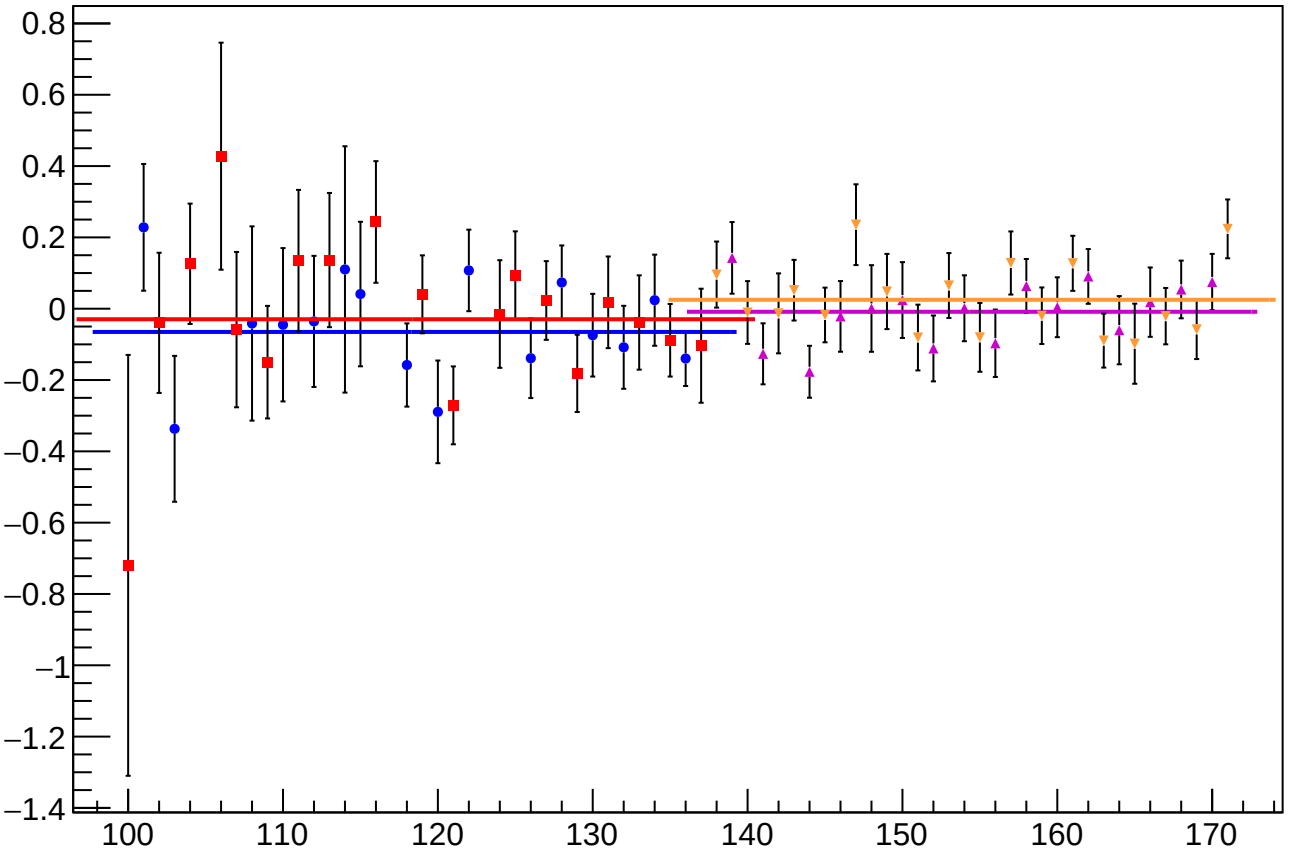
Left: 0.005+/-0.000 χ^2/NDF: 2640463.2/33

Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6850312.3/31

Out: 0.004+/-0.000 χ^2/NDF:9301645.5/36

All: 0.004+/-0.000 χ^2/NDF: 16438874.7/68



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: -0.009+/-0.022 χ^2/NDF:16.4/15

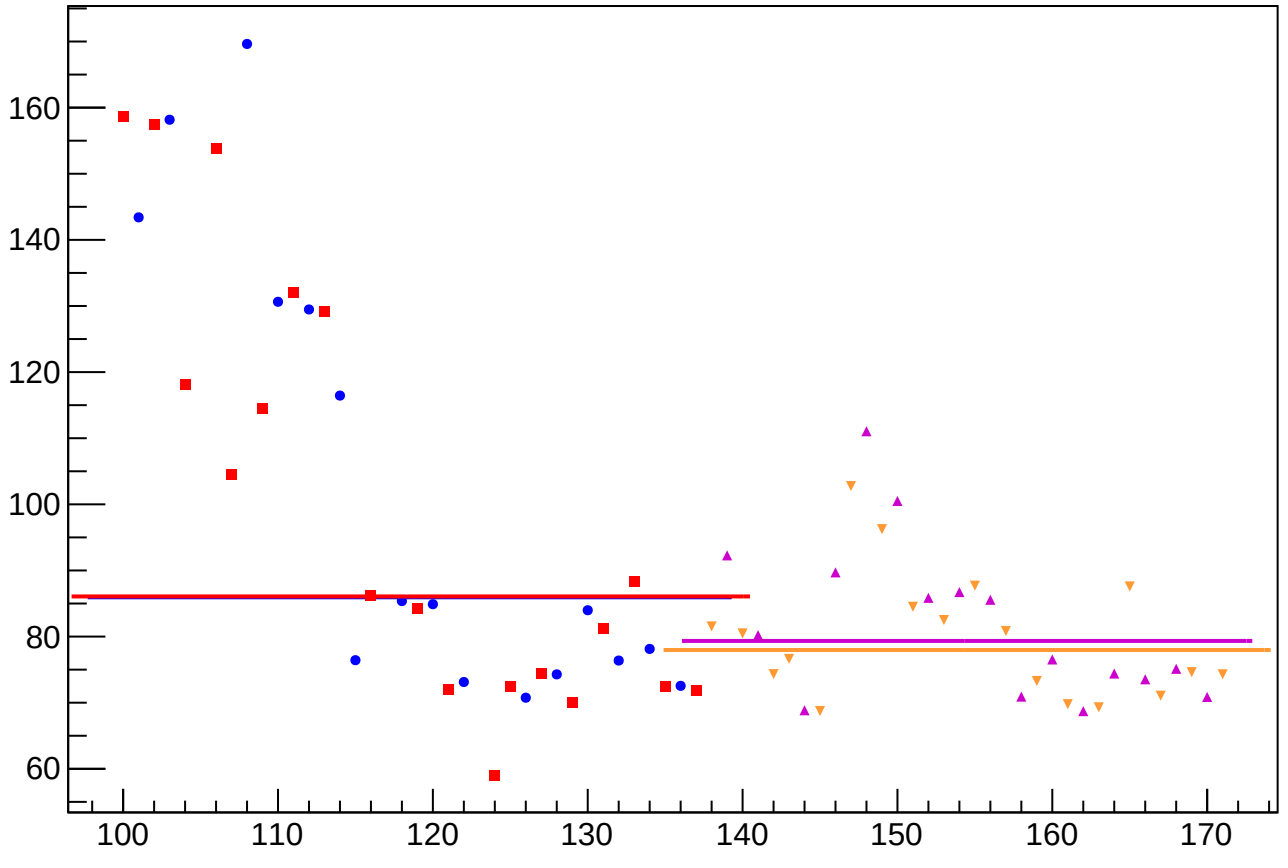
Left: 0.009+/-0.015 χ^2/NDF: 39.2/33

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.007+/-0.013 χ^2/NDF: 76.1/68



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: 79.342+/-0.016 χ^2/NDF:450016.3/15

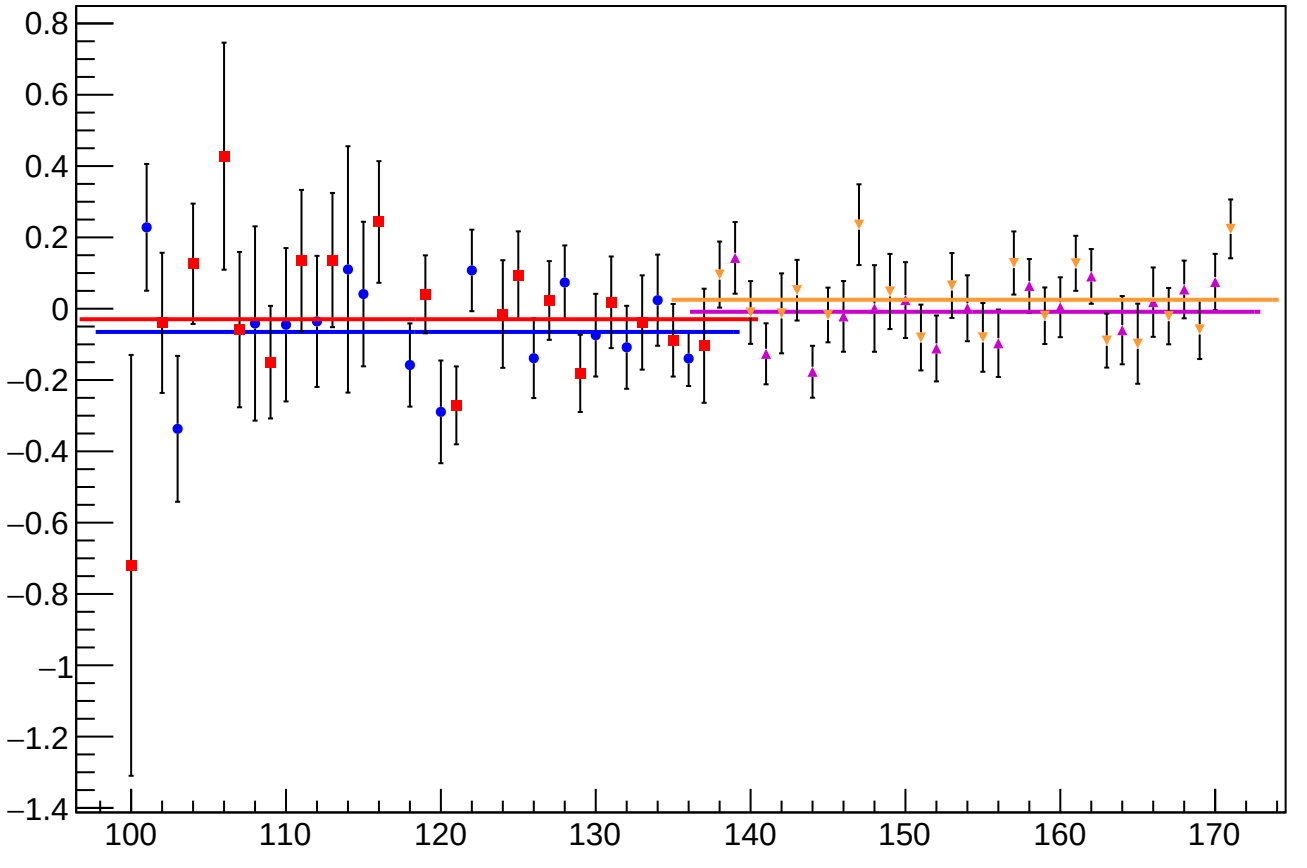
Left: 78.612+/-0.011 χ^2/NDF: 776676.5/33

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 81.363+/-0.013 χ^2/NDF:1539505.3/31

Out: 80.277+/-0.012 χ^2/NDF:1400357.5/36

All: 80.795+/-0.009 χ^2/NDF: 2943496.2/68



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: -0.009+/-0.022 χ^2/NDF:16.4/15

Left: 0.009+/-0.015 χ^2/NDF: 39.2/33

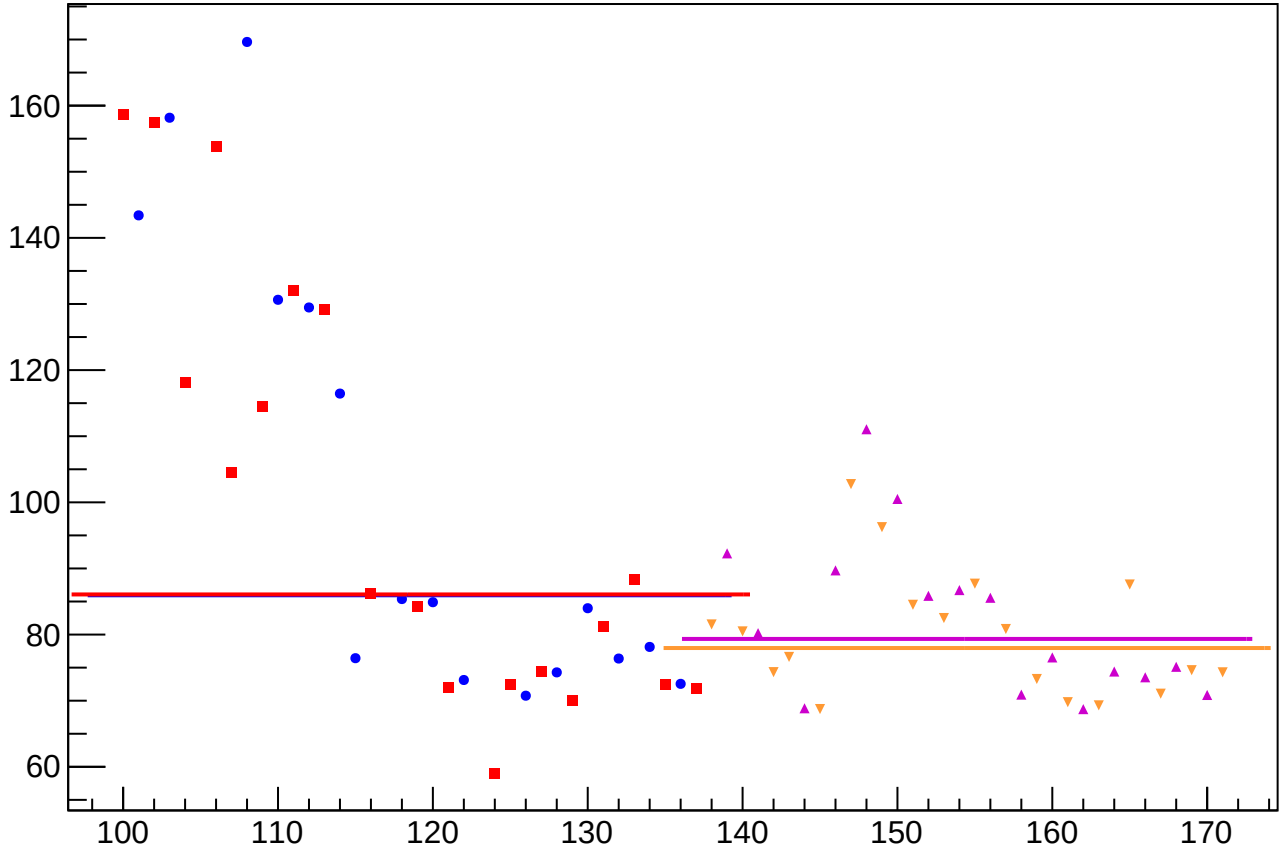
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.026+/-0.018 χ^2/NDF:32.6/31

Out: 0.009+/-0.018 χ^2/NDF:41.6/36

All: -0.007+/-0.013 χ^2/NDF: 76.1/68

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: 79.342+/-0.016 χ^2/NDF:450016.3/15

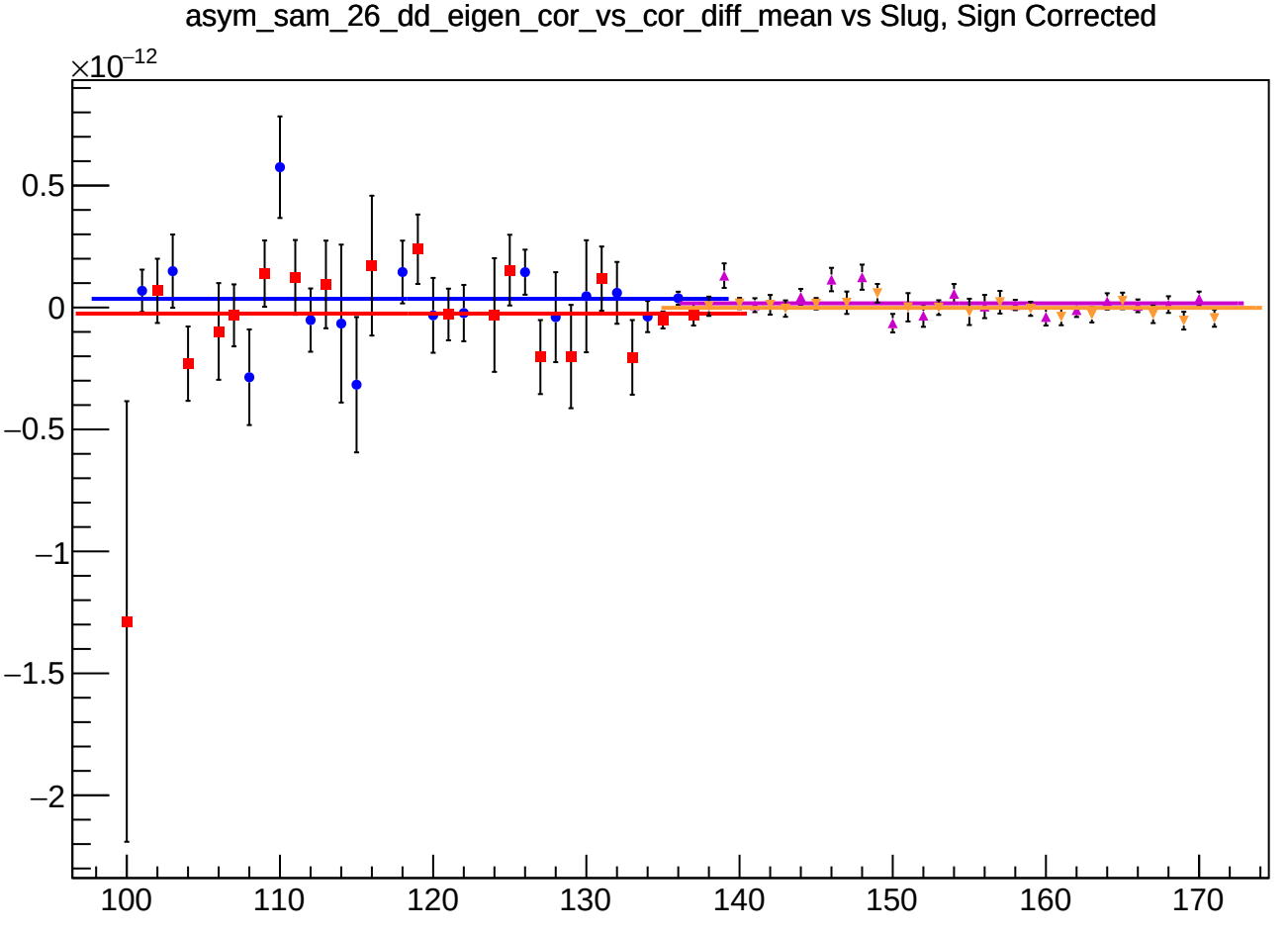
Left: 78.612+/-0.011 χ^2/NDF: 776676.5/33

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 81.363+/-0.013 χ^2/NDF:1539505.3/31

Out: 80.277+/-0.012 χ^2/NDF:1400357.5/36

All: 80.795+/-0.009 χ^2/NDF: 2943496.2/68



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:25.2/15

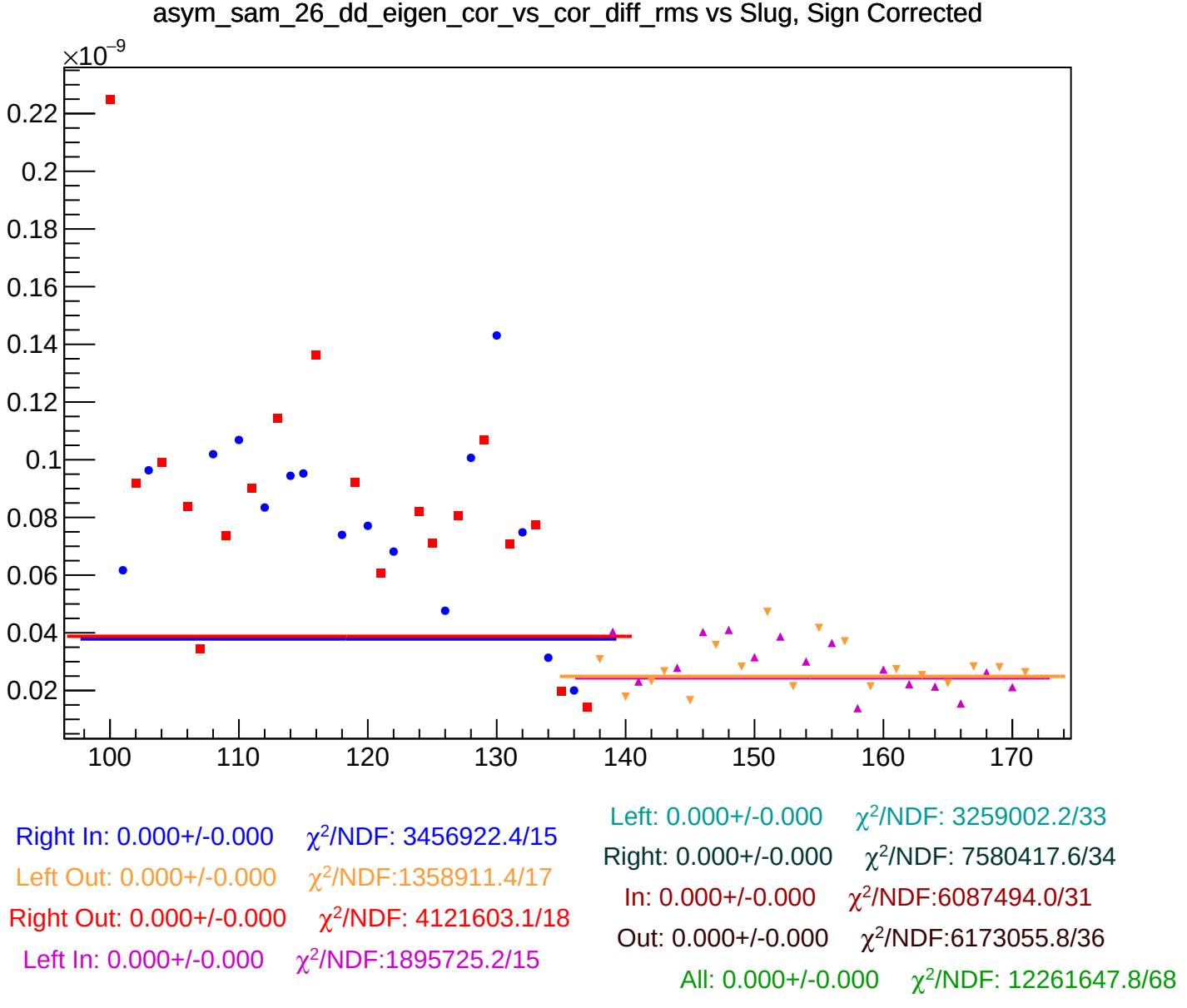
Left: 0.000+/-0.000 χ^2/NDF: 38.7/33

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

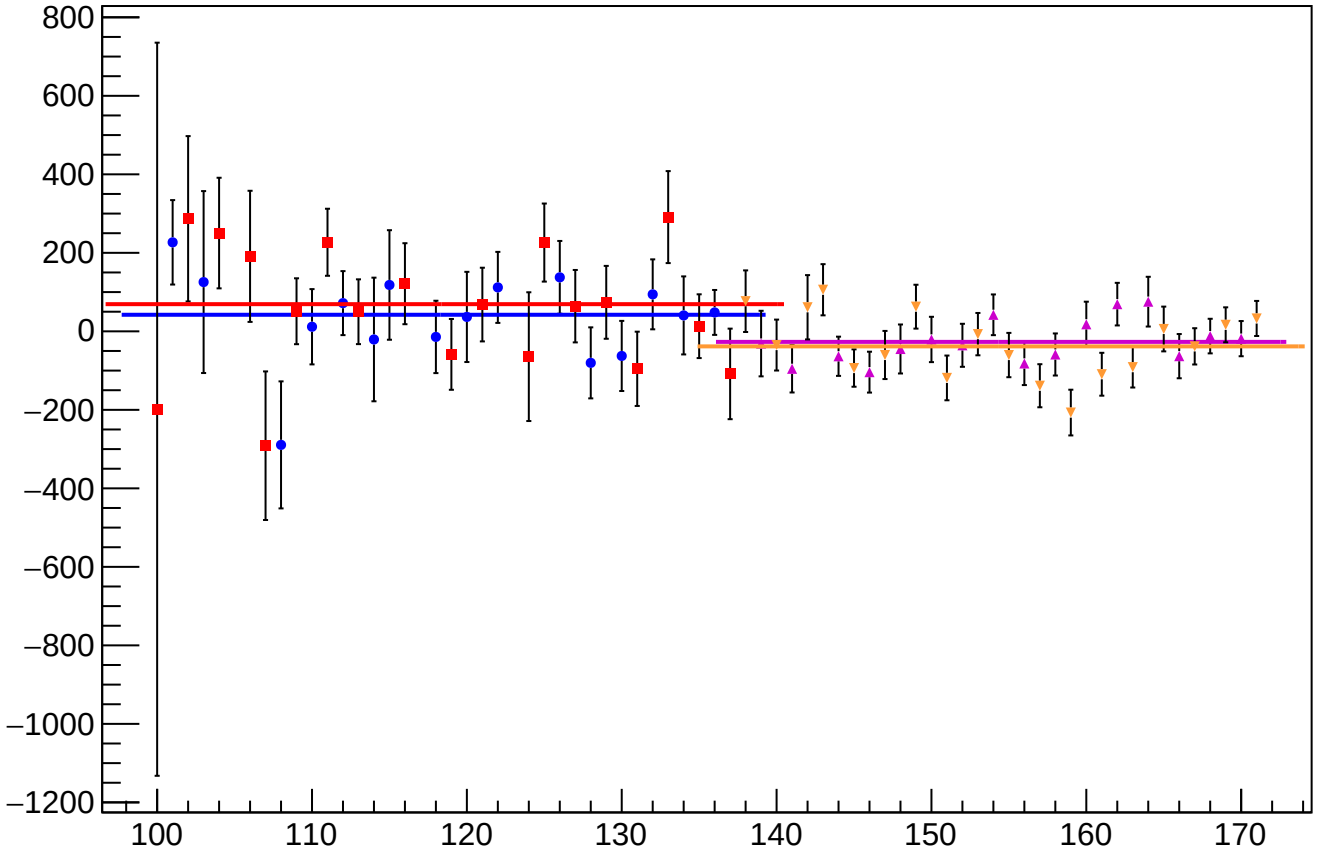
In: 0.000+/-0.000 χ^2/NDF:42.3/31

Out: -0.000+/-0.000 χ^2/NDF:29.8/36

All: 0.000+/-0.000 χ^2/NDF: 76.9/68


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3456922.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1358911.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 4121603.1/18
Left In: 0.000+/-0.000 χ²/NDF:1895725.2/15
Left: 0.000+/-0.000 χ²/NDF: 3259002.2/33
Right: 0.000+/-0.000 χ²/NDF: 7580417.6/34
In: 0.000+/-0.000 χ²/NDF:6087494.0/31
Out: 0.000+/-0.000 χ²/NDF:6173055.8/36
All: 0.000+/-0.000 χ²/NDF: 12261647.8/68

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -26.839+/-13.678 χ^2/NDF:14.2/15

Left: -32.859+/-9.433 χ^2/NDF: 49.4/33

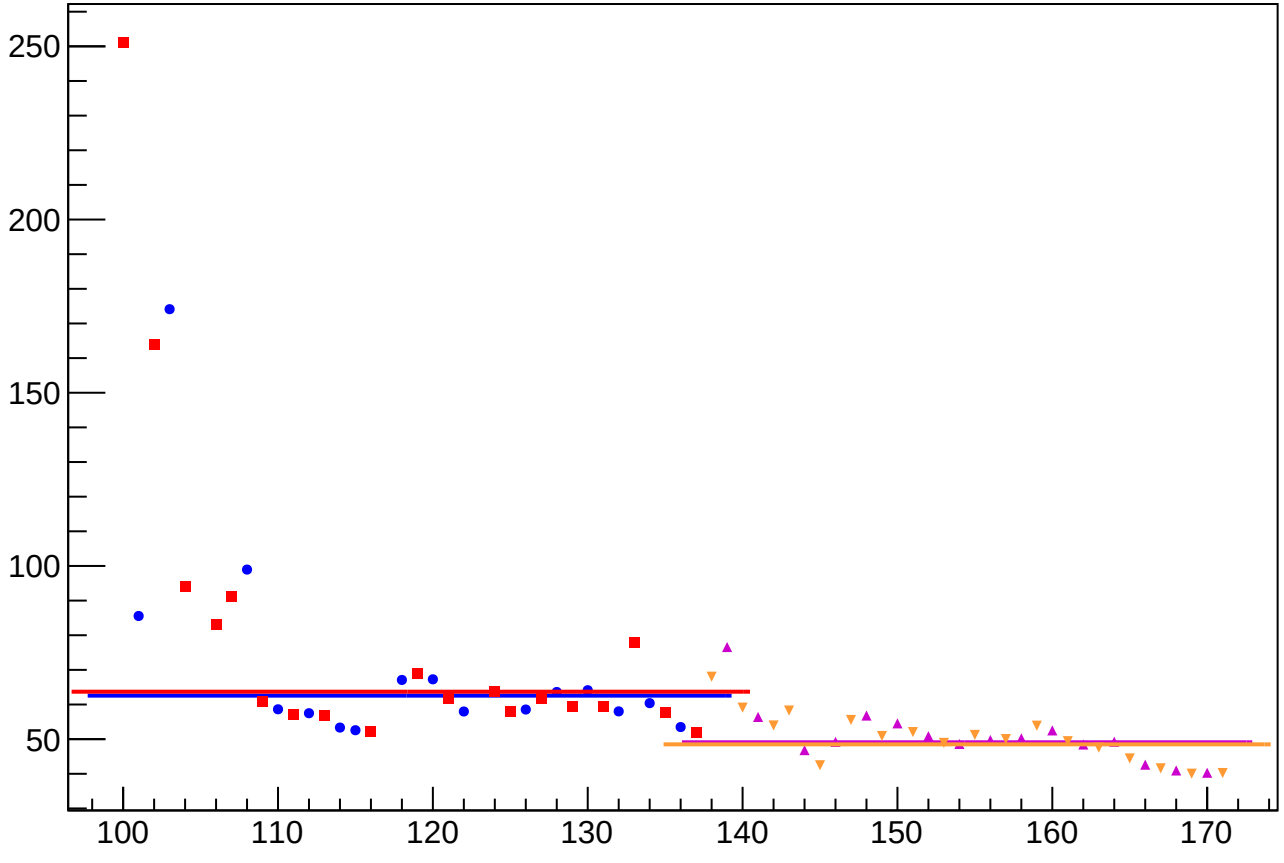
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -10.127+/-11.908 χ^2/NDF:33.9/31

Out: -14.489+/-11.493 χ^2/NDF:75.3/36

All: -12.385+/-8.270 χ^2/NDF: 109.3/68

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



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: 49.097+/-0.010 χ^2/NDF:481212.4/15

Left: 48.785+/-0.007 χ^2/NDF: 1004507.6/33

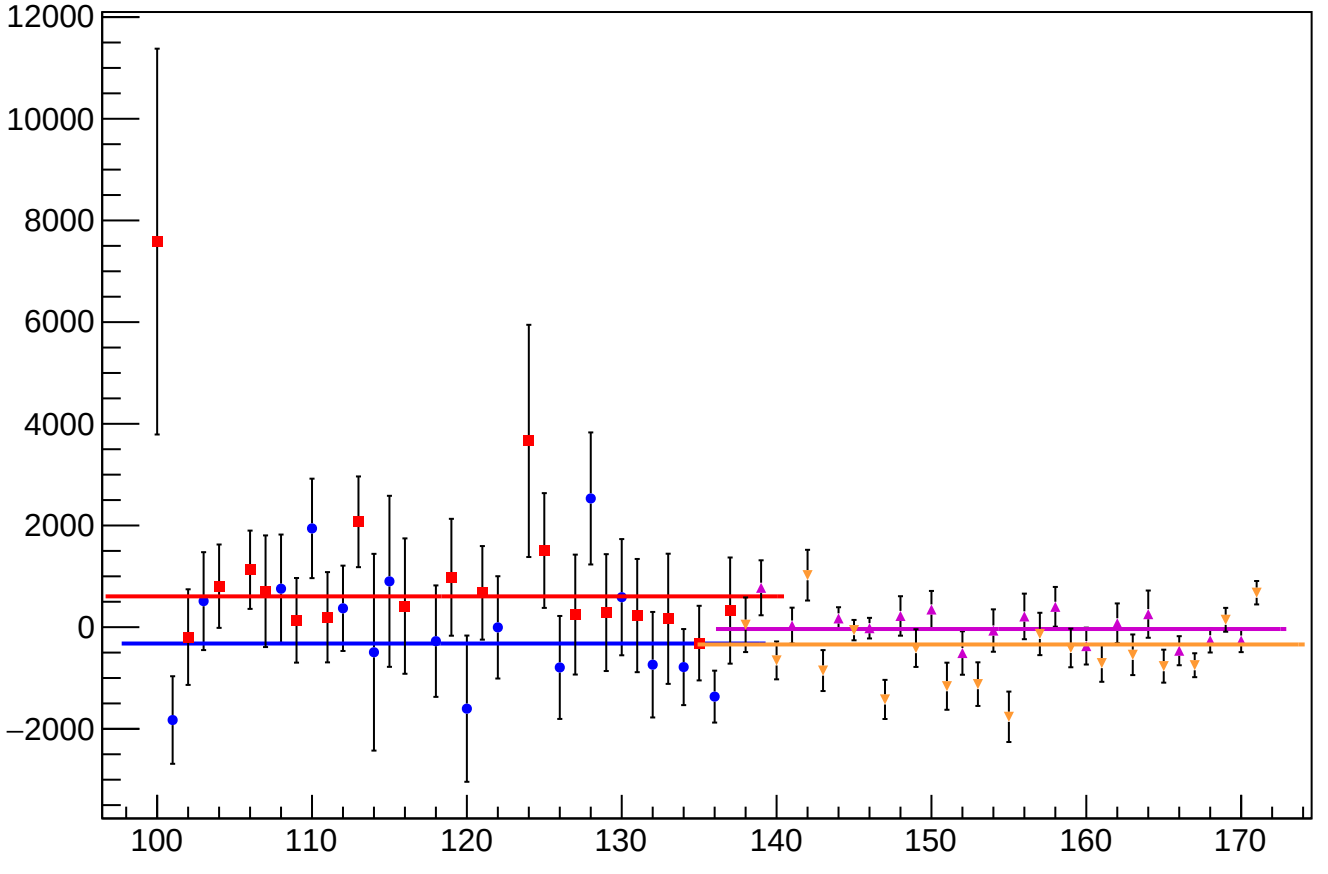
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 52.356+/-0.008 χ^2/NDF:1709138.0/31

Out: 51.869+/-0.008 χ^2/NDF:1958587.9/36

All: 52.104+/-0.006 χ^2/NDF: 3669463.2/68

asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -321.663+/-238.482 χ^2/NDF: 22.7/15

Left Out: -340.233+/-77.871 χ^2/NDF:65.0/17

Right Out: 605.859+/-233.643 χ^2/NDF: 12.5/18

Left In: -36.302+/-78.717 χ^2/NDF:13.0/15

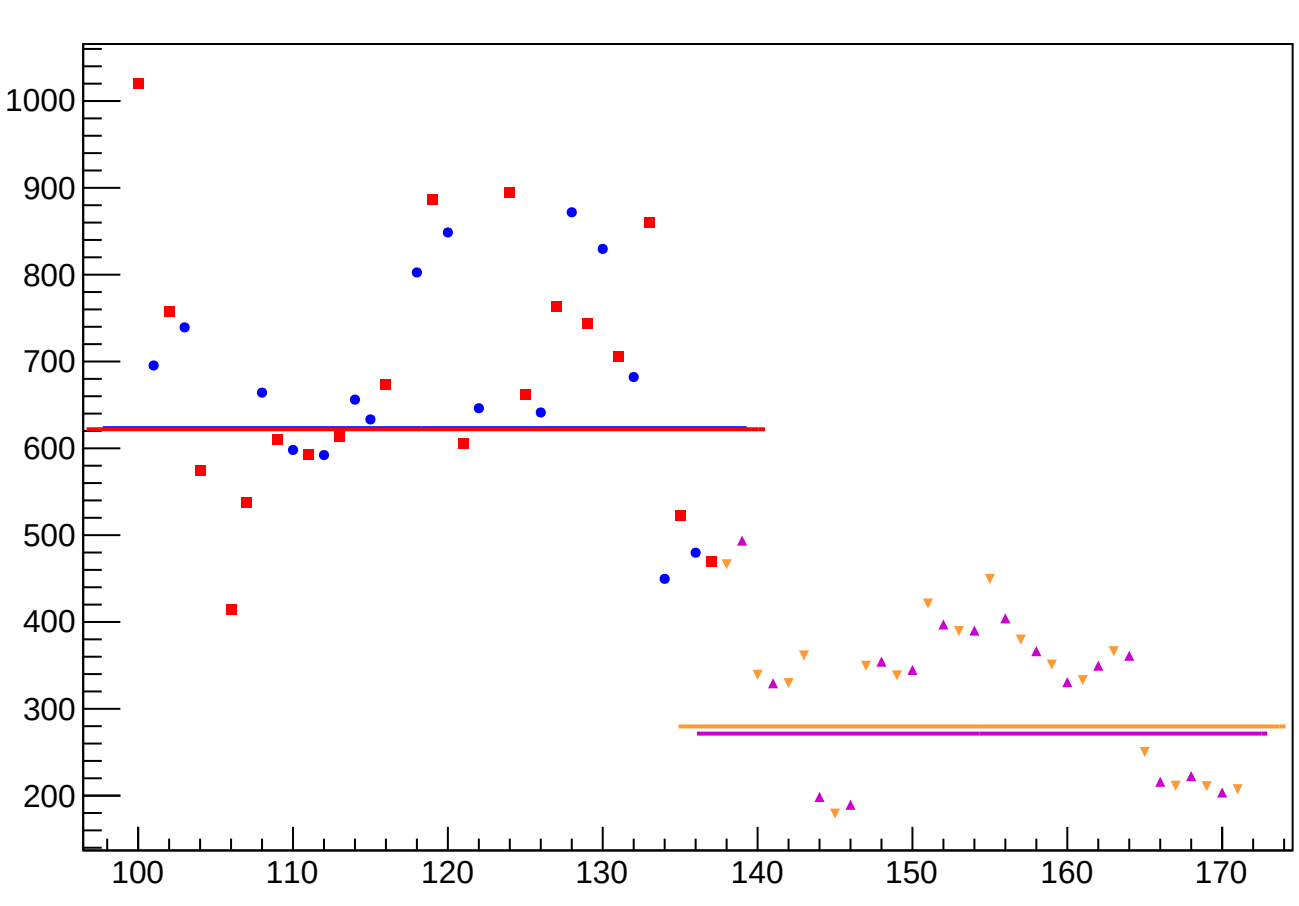
Left: -189.910+/-55.360 χ^2/NDF: 85.5/33

Right: 151.604+/-166.895 χ^2/NDF: 42.9/34

In: -64.337+/-74.750 χ^2/NDF:37.0/31

Out: -245.647+/-73.876 χ^2/NDF:92.2/36

All: -156.059+/-52.544 χ^2/NDF: 132.2/68



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: 271.452+/-0.056 χ^2/NDF:2285879.3/15

Left: 275.617+/-0.039 χ^2/NDF: 4739019.2/33

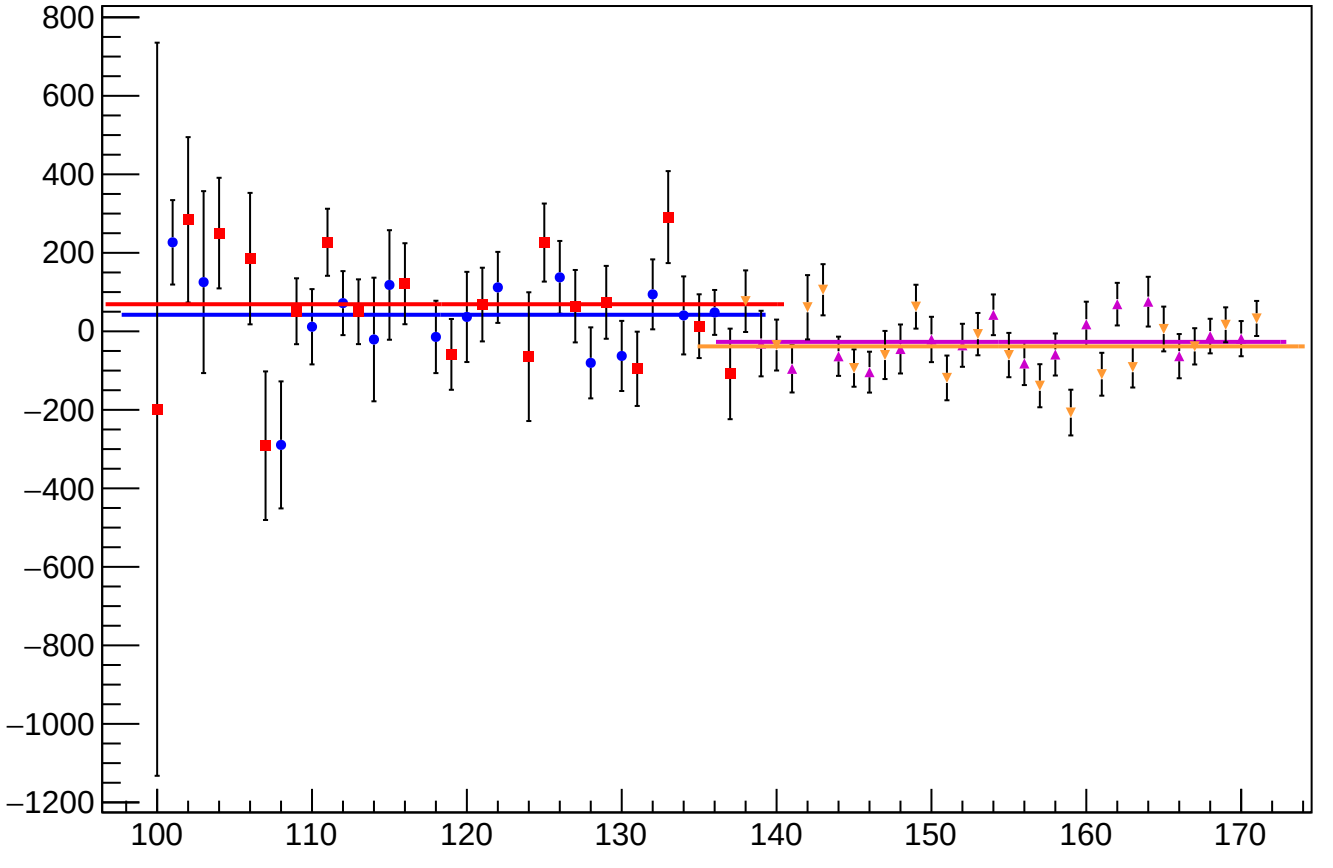
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 306.008+/-0.053 χ^2/NDF:6774434.4/31

Out: 313.913+/-0.052 χ^2/NDF:6887841.9/36

All: 310.007+/-0.037 χ^2/NDF: 13673590.9/68

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



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: -26.839+/-13.678 χ^2/NDF:14.2/15

Left: -32.858+/-9.433 χ^2/NDF: 49.4/33

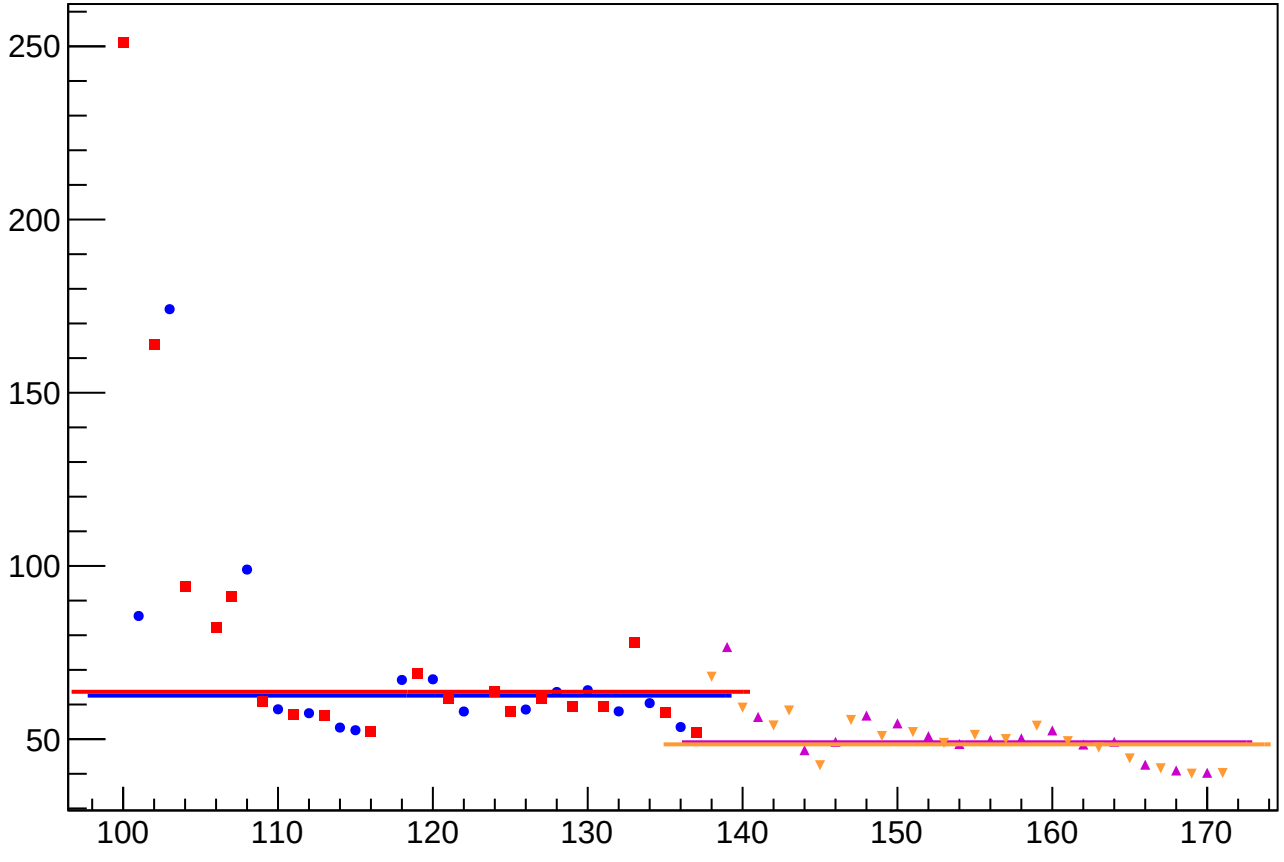
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.128+/-11.908 χ^2/NDF:33.9/31

Out: -14.530+/-11.493 χ^2/NDF:75.2/36

All: -12.407+/-8.270 χ^2/NDF: 109.2/68

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: 49.097+/-0.010 χ^2/NDF:481212.4/15

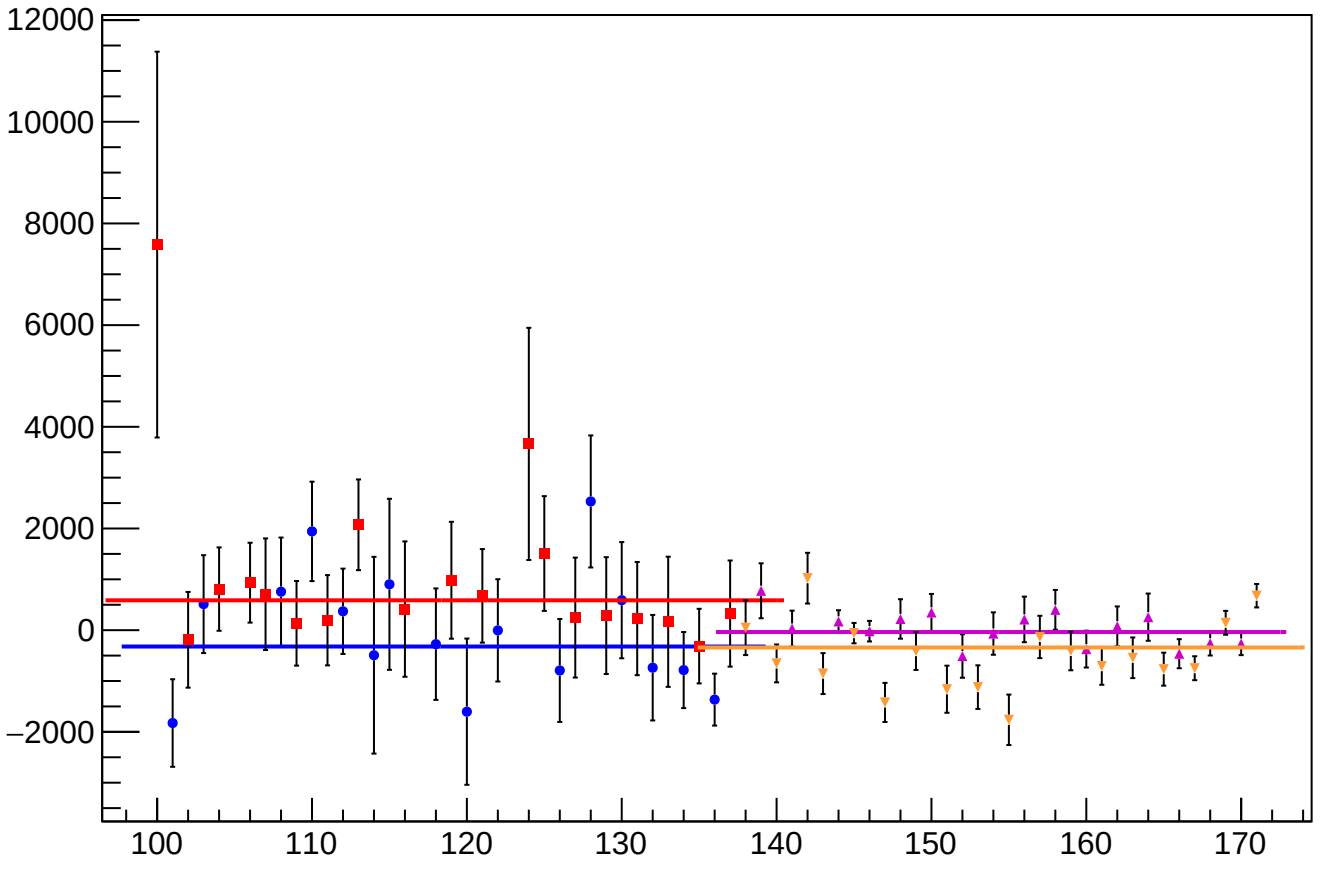
Left: 48.785+/-0.007 χ^2/NDF: 1004507.5/33

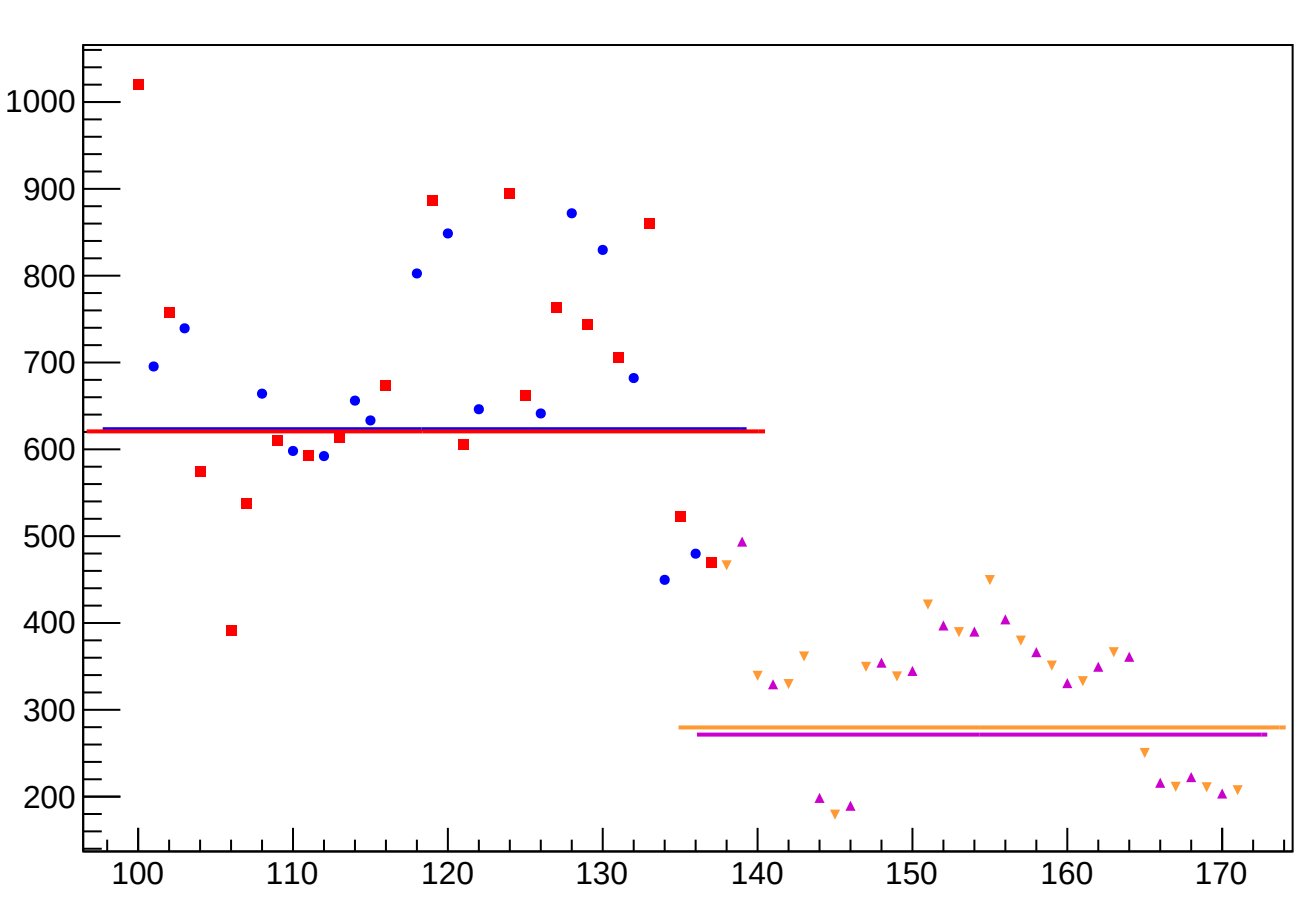
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 52.356+/-0.008 χ^2/NDF:1709139.9/31

Out: 51.863+/-0.008 χ^2/NDF:1953868.9/36

All: 52.101+/-0.006 χ^2/NDF: 3664786.6/68


asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -340.229+/-77.871 χ²/NDF:65.0/17
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: -36.298+/-78.717 χ²/NDF:13.0/15
Left: -189.907+/-55.360 χ²/NDF: 85.5/33
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: -64.333+/-74.750 χ²/NDF:37.0/31
Out: -247.818+/-73.889 χ²/NDF:91.3/36
All: -157.138+/-52.549 χ²/NDF: 131.3/68



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: 271.452+/-0.056 χ^2/NDF:2285880.0/15

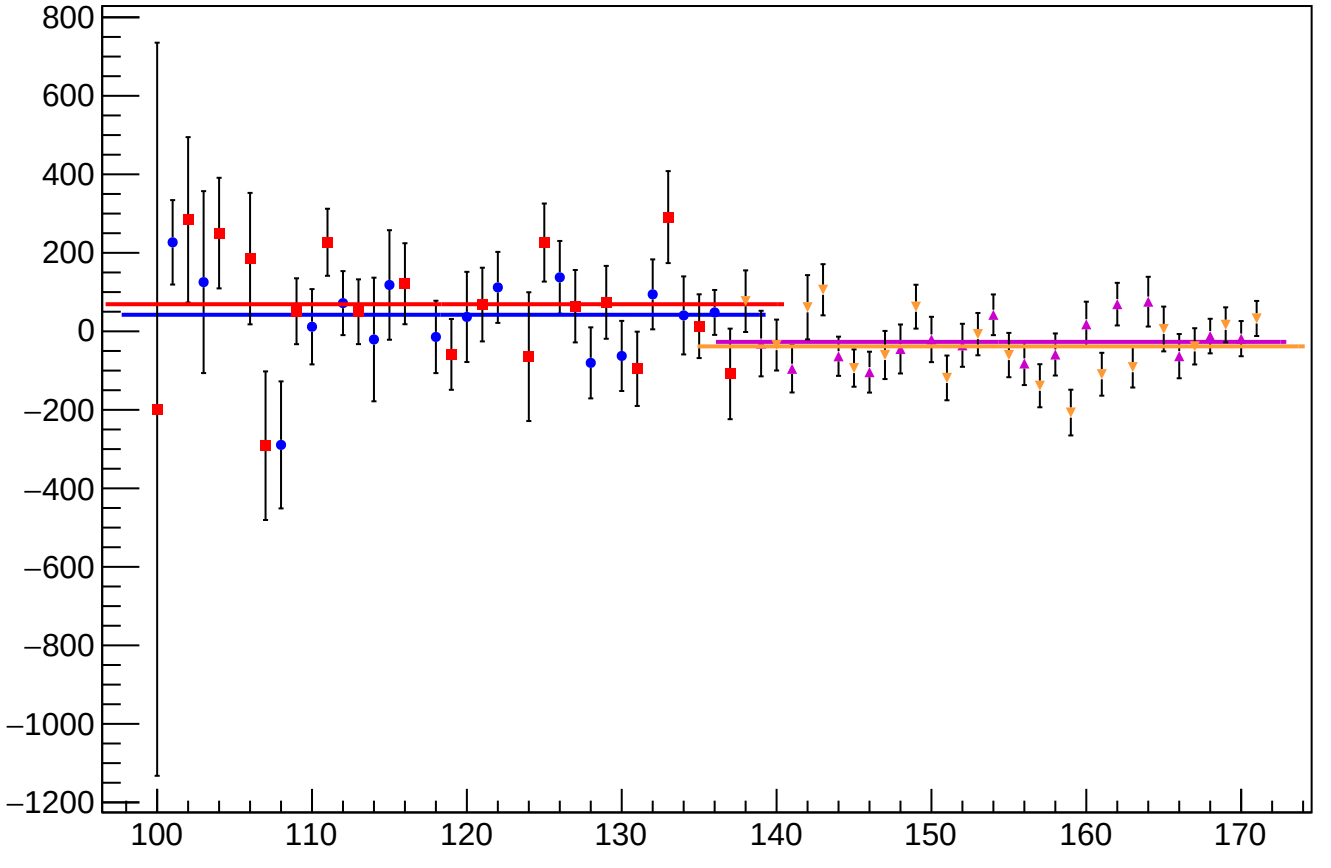
Left: 275.617+/-0.039 χ^2/NDF: 4739034.0/33

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 306.008+/-0.053 χ^2/NDF:6774489.8/31

Out: 313.668+/-0.052 χ^2/NDF:6873597.5/36

All: 309.882+/-0.037 χ^2/NDF: 13658709.9/68



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: -26.839+/-13.678 χ^2/NDF:14.2/15

Left: -32.858+/-9.433 χ^2/NDF: 49.4/33

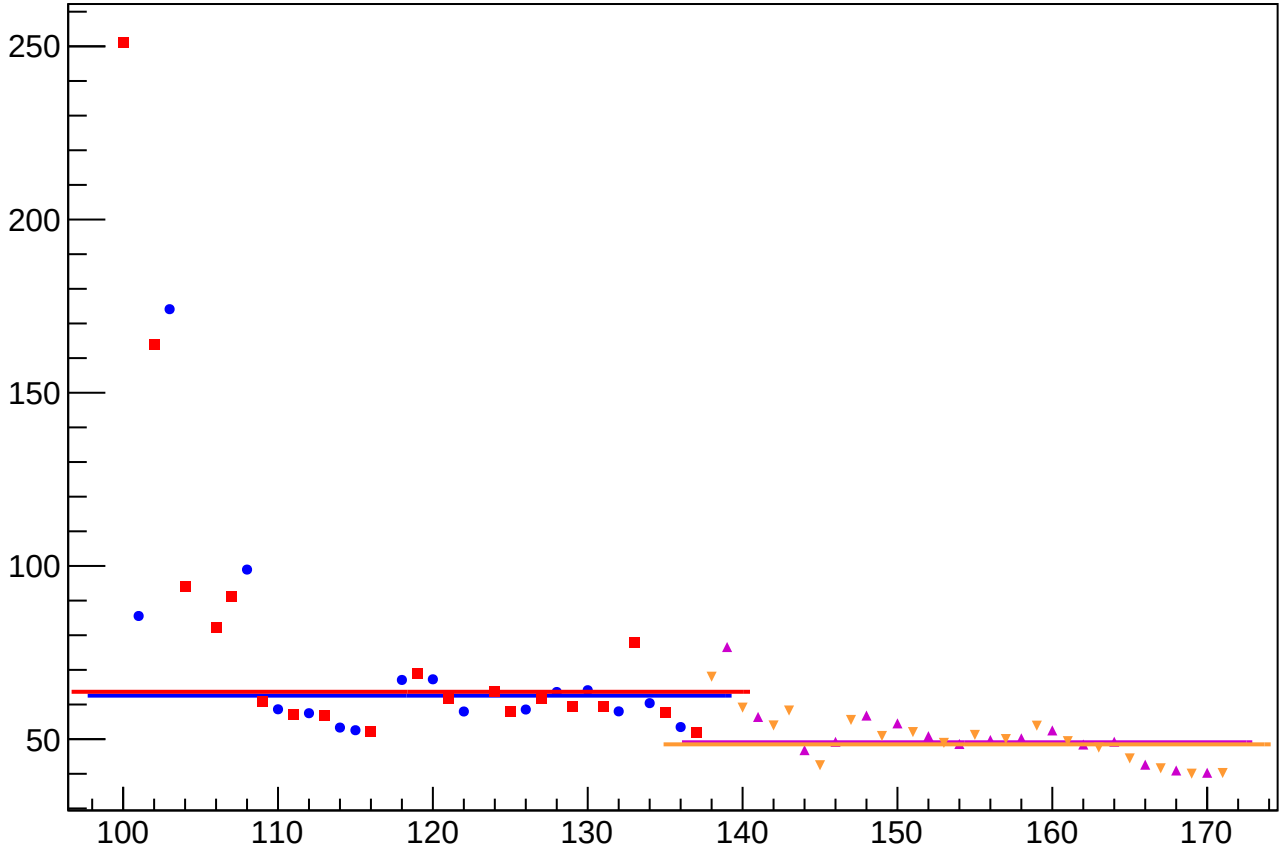
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -10.128+/-11.908 χ^2/NDF:33.9/31

Out: -14.530+/-11.493 χ^2/NDF:75.2/36

All: -12.407+/-8.270 χ^2/NDF: 109.2/68

eigen_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: 49.097+/-0.010 χ^2/NDF:481212.4/15

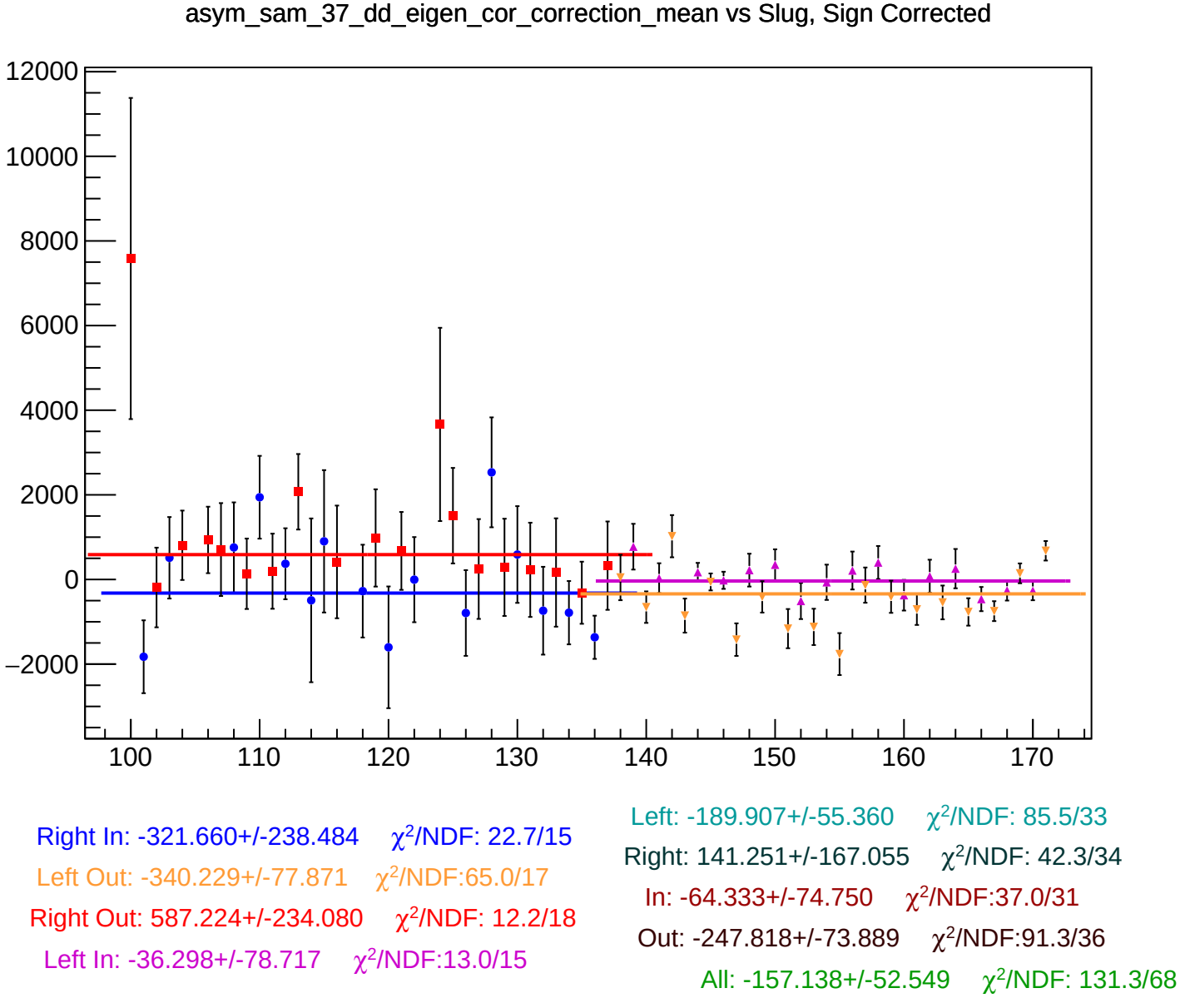
Left: 48.785+/-0.007 χ^2/NDF: 1004507.5/33

Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

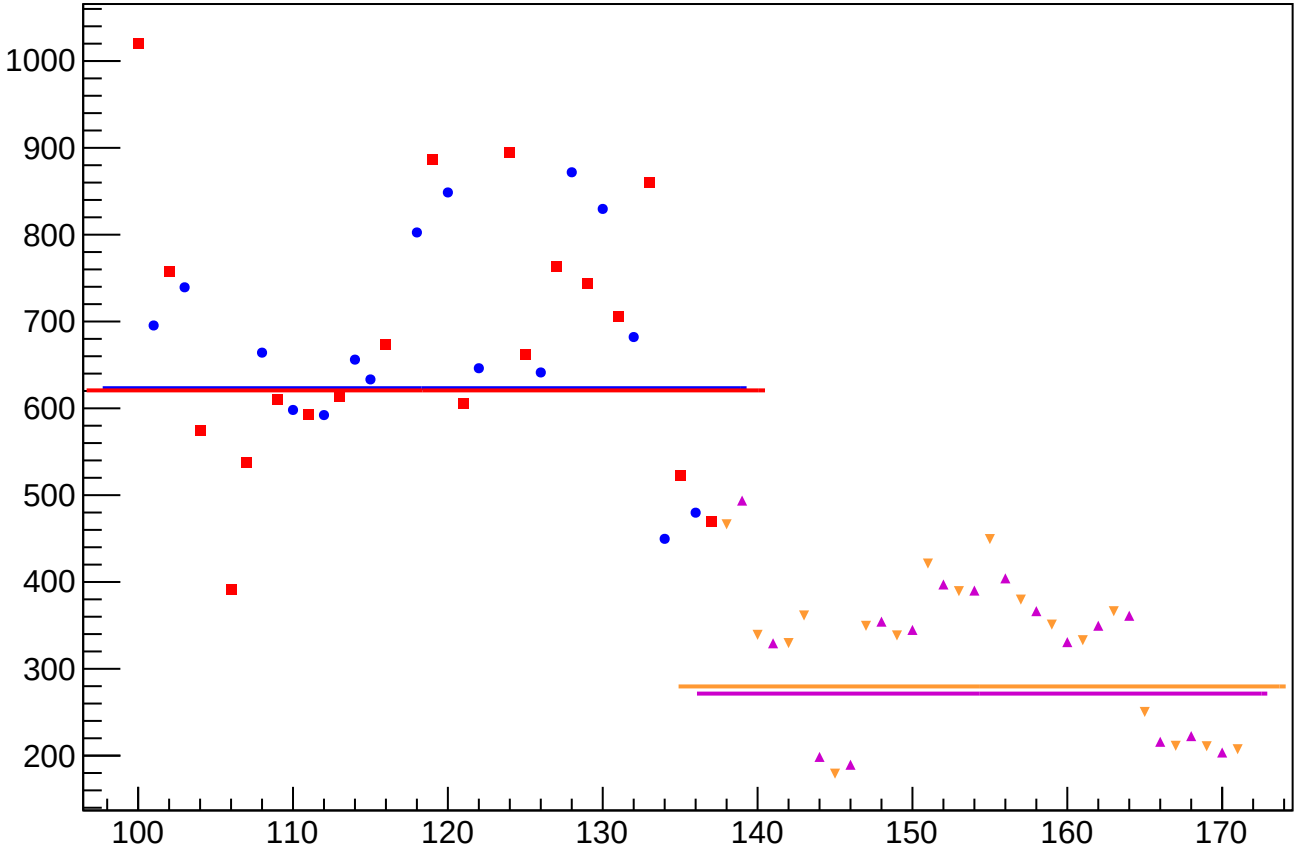
In: 52.356+/-0.008 χ^2/NDF:1709139.9/31

Out: 51.863+/-0.008 χ^2/NDF:1953868.9/36

All: 52.101+/-0.006 χ^2/NDF: 3664786.6/68


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: -36.298+/-78.717 χ²/NDF:13.0/15
Left: -189.907+/-55.360 χ²/NDF: 85.5/33
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: -64.333+/-74.750 χ²/NDF:37.0/31
Out: -247.818+/-73.889 χ²/NDF:91.3/36
All: -157.138+/-52.549 χ²/NDF: 131.3/68

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: 271.452+/-0.056 χ^2/NDF:2285880.0/15

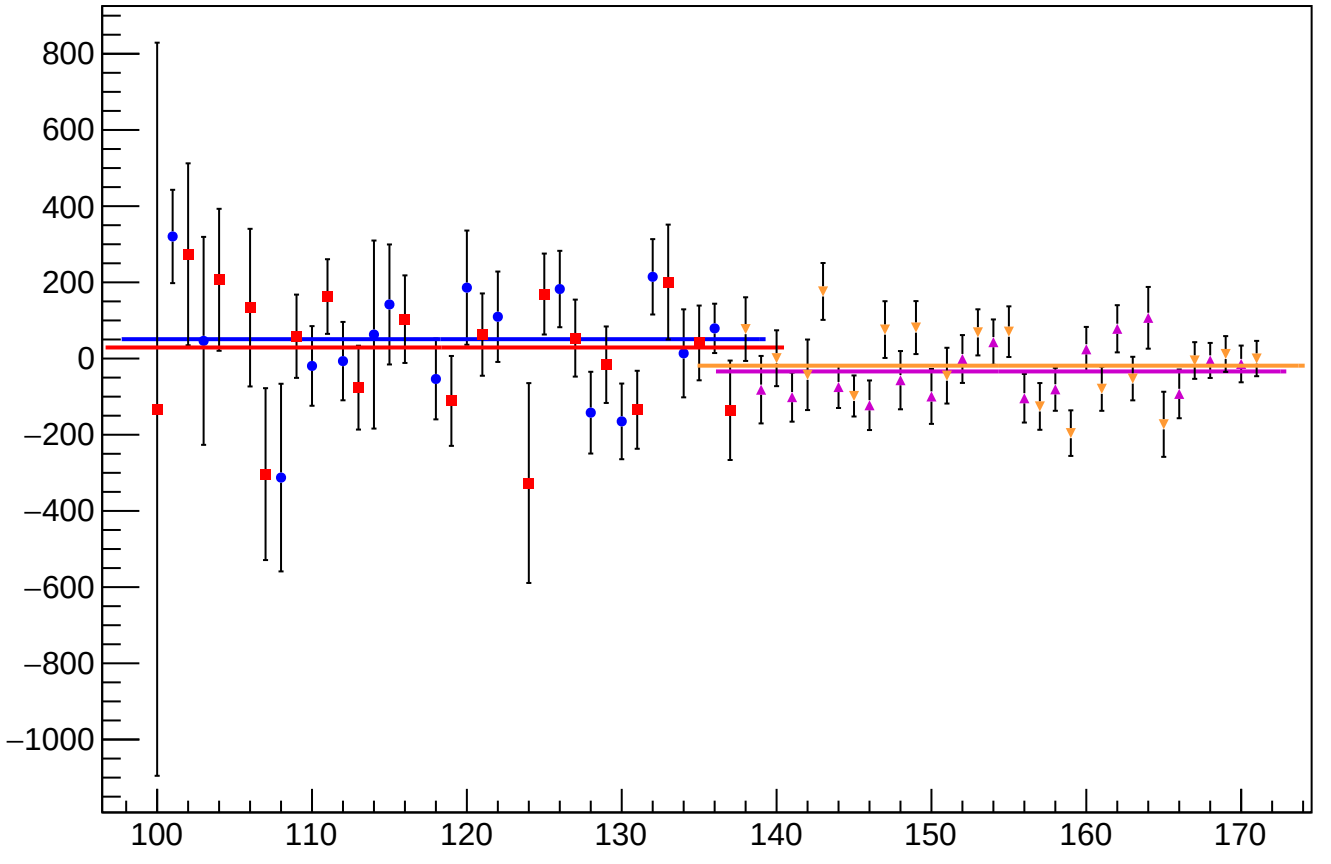
Left: 275.617+/-0.039 χ^2/NDF: 4739034.0/33

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 306.008+/-0.053 χ^2/NDF:6774489.8/31

Out: 313.668+/-0.052 χ^2/NDF:6873597.5/36

All: 309.882+/-0.037 χ^2/NDF: 13658709.9/68



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -18.705+/-14.619 χ^2/NDF:35.3/17

Right Out: 29.040+/-28.910 χ^2/NDF: 18.5/18

Left In: -33.857+/-15.352 χ^2/NDF:17.2/15

Left: -25.910+/-10.587 χ^2/NDF: 53.1/33

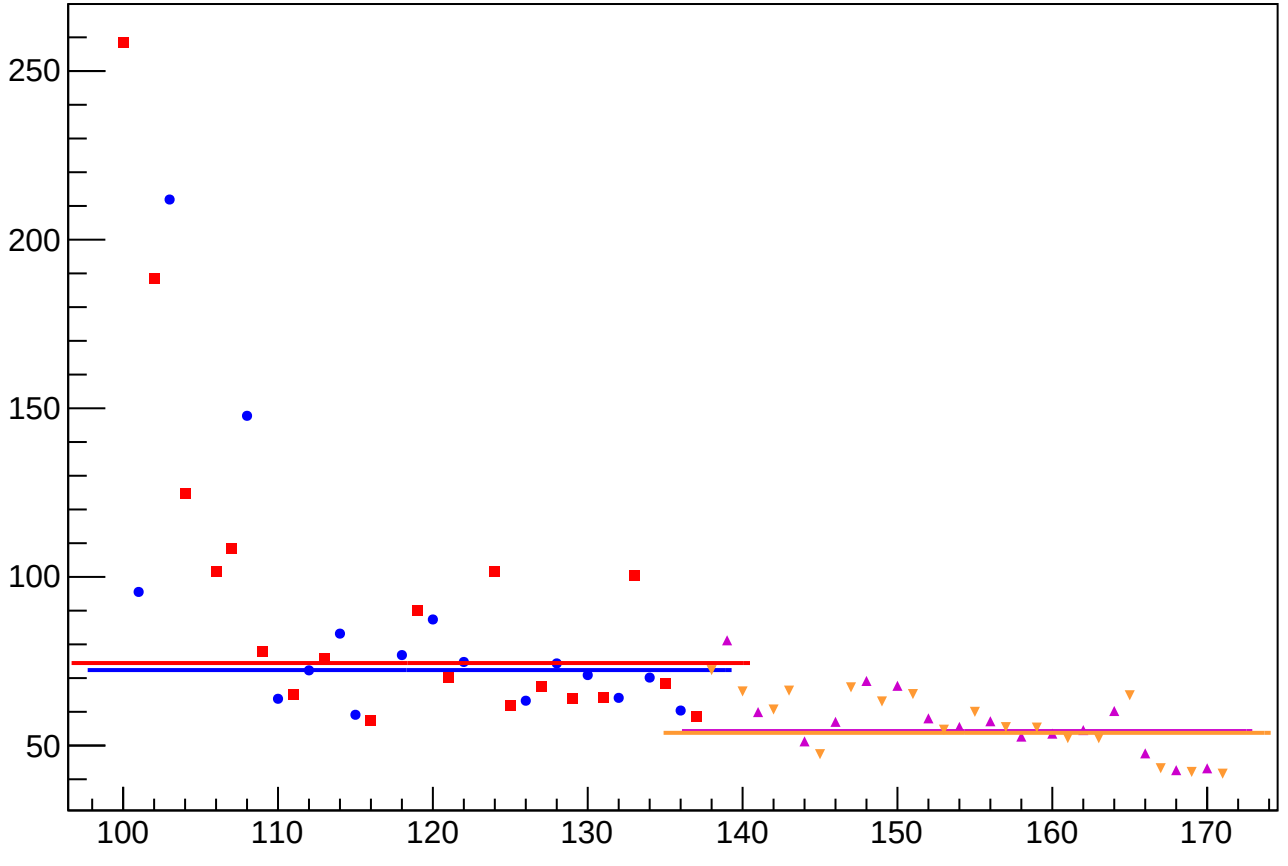
Right: 40.166+/-20.229 χ^2/NDF: 41.7/34

In: -14.617+/-13.496 χ^2/NDF:47.0/31

Out: -8.982+/-13.046 χ^2/NDF:56.0/36

All: -11.704+/-9.380 χ^2/NDF: 103.1/68

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: 54.289+/-0.011 χ^2/NDF:633065.5/15

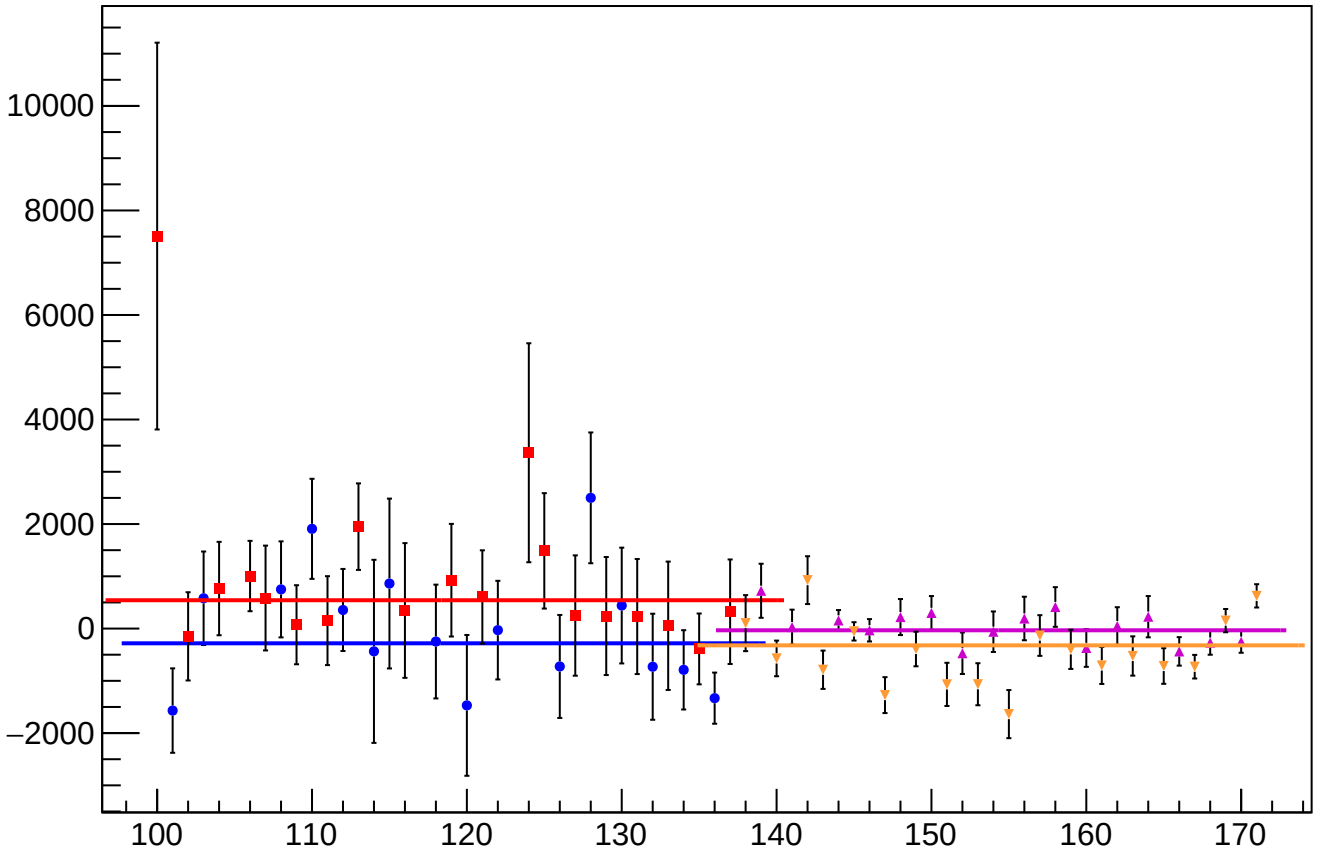
Left: 54.016+/-0.007 χ^2/NDF: 1446278.4/33

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 58.398+/-0.010 χ^2/NDF:2202036.8/31

Out: 57.983+/-0.009 χ^2/NDF:2680452.5/36

All: 58.183+/-0.007 χ^2/NDF: 4883465.5/68



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: -33.156+/-74.575 χ^2/NDF:13.2/15

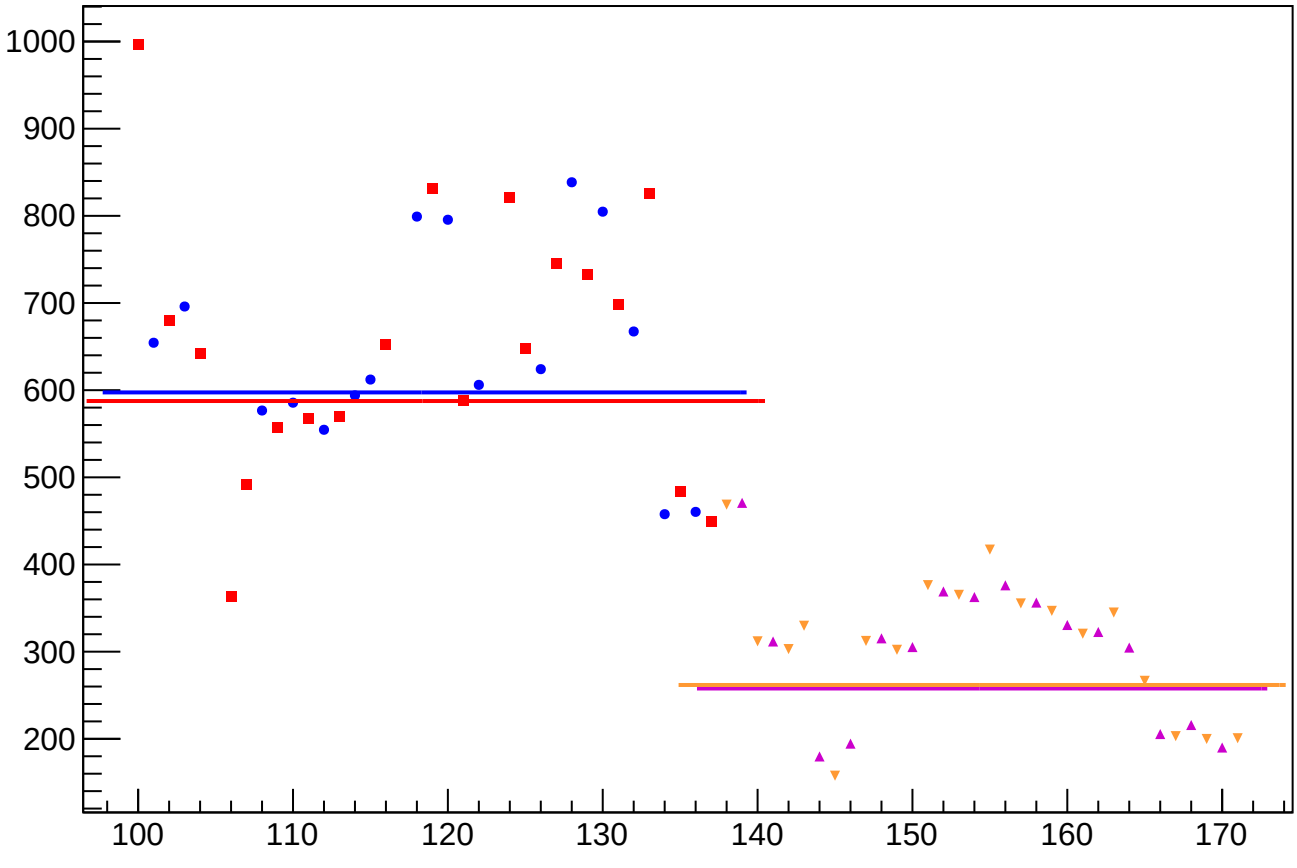
Left: -180.542+/-52.110 χ^2/NDF: 84.9/33

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: -57.249+/-70.873 χ^2/NDF:37.1/31

Out: -236.511+/-69.180 χ^2/NDF:91.1/36

All: -149.046+/-49.506 χ^2/NDF: 131.5/68



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: 257.756+/-0.053 χ^2/NDF:2091642.3/15

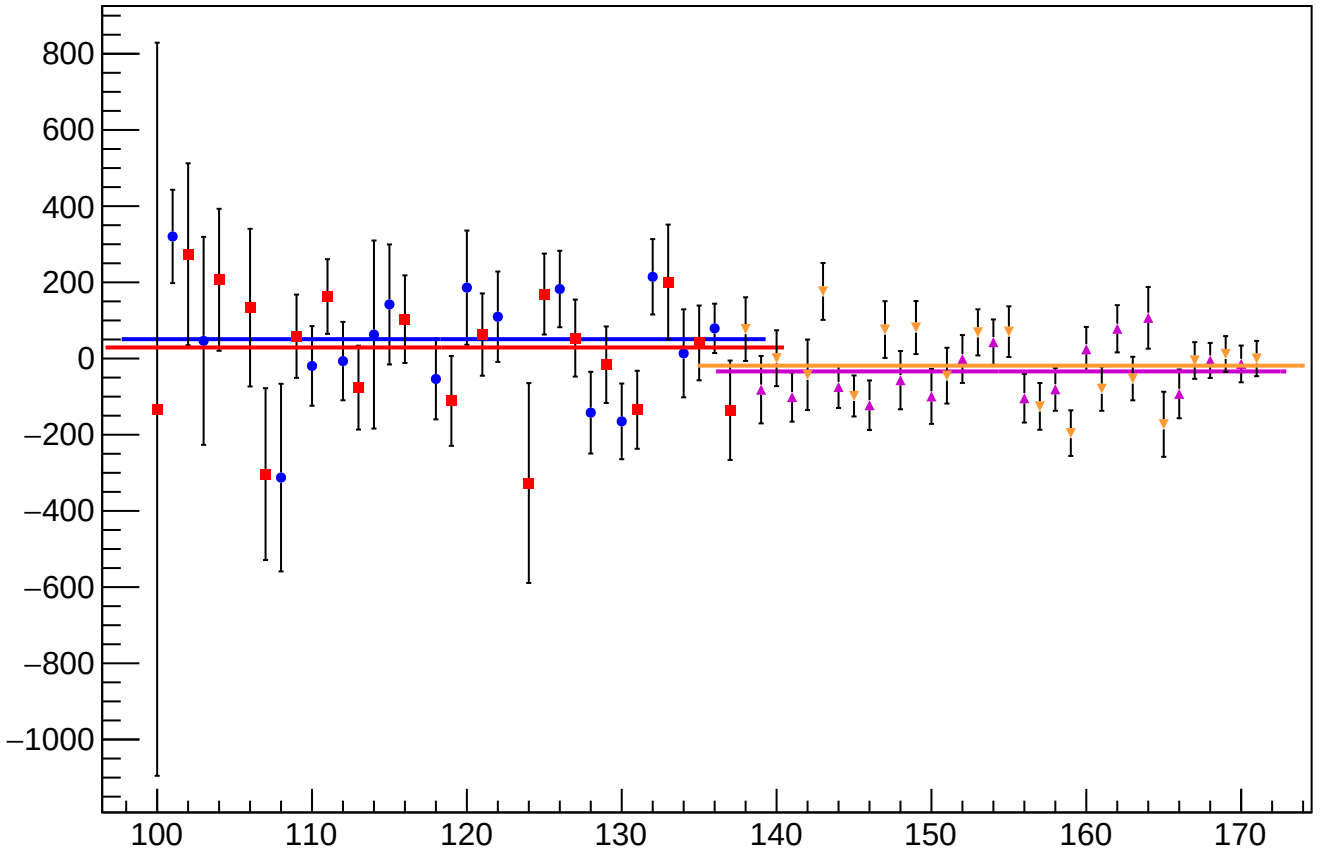
Left: 259.819+/-0.037 χ^2/NDF: 4622890.2/33

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 290.639+/-0.050 χ^2/NDF:6642337.1/31

Out: 293.738+/-0.049 χ^2/NDF:7140454.0/36

All: 292.226+/-0.035 χ^2/NDF: 13784749.4/68



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: -33.857+/-15.352 χ^2/NDF:17.2/15

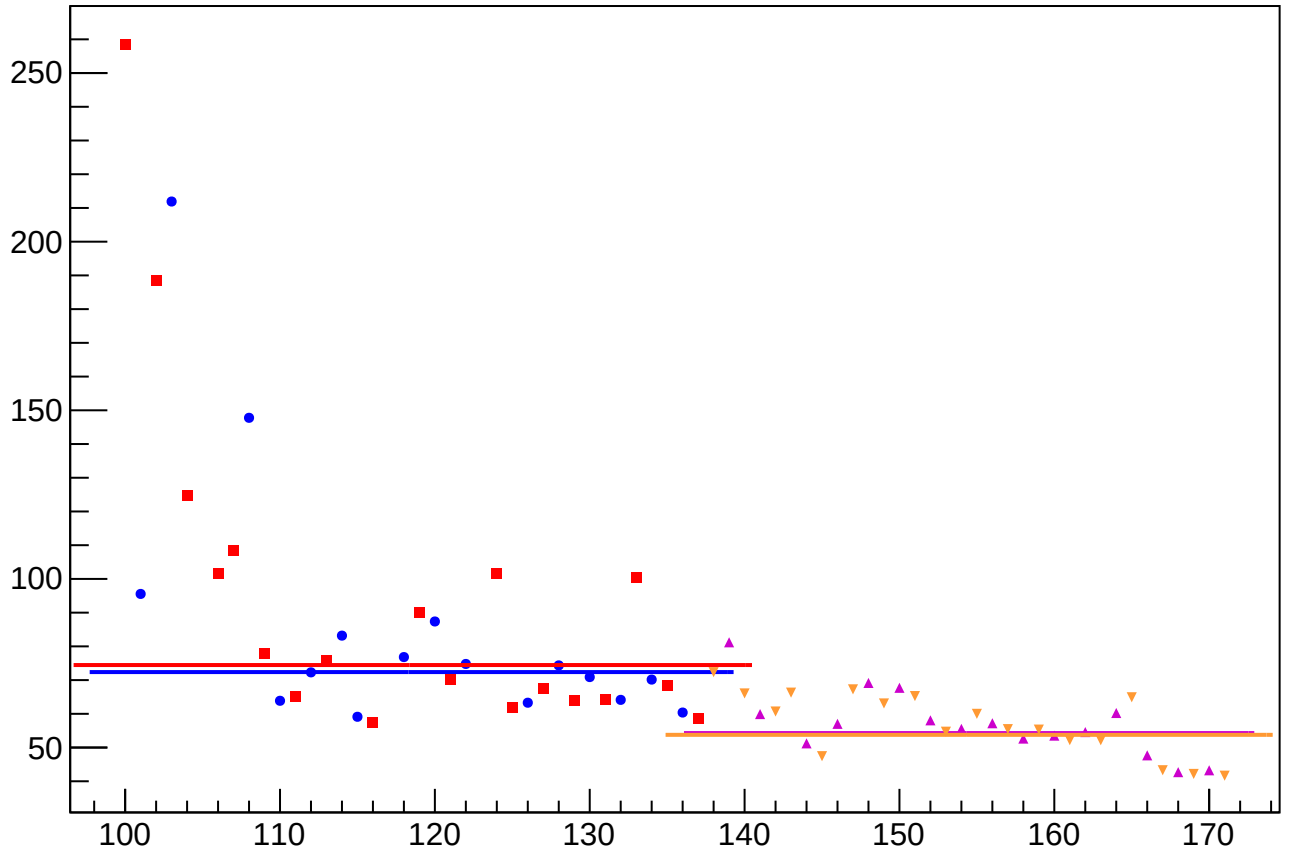
Left: -25.910+/-10.587 χ^2/NDF: 53.1/33

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -14.617+/-13.496 χ^2/NDF:47.0/31

Out: -8.982+/-13.046 χ^2/NDF:56.0/36

All: -11.704+/-9.380 χ^2/NDF: 103.1/68



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: 54.289+/-0.011 χ^2/NDF:633076.0/15

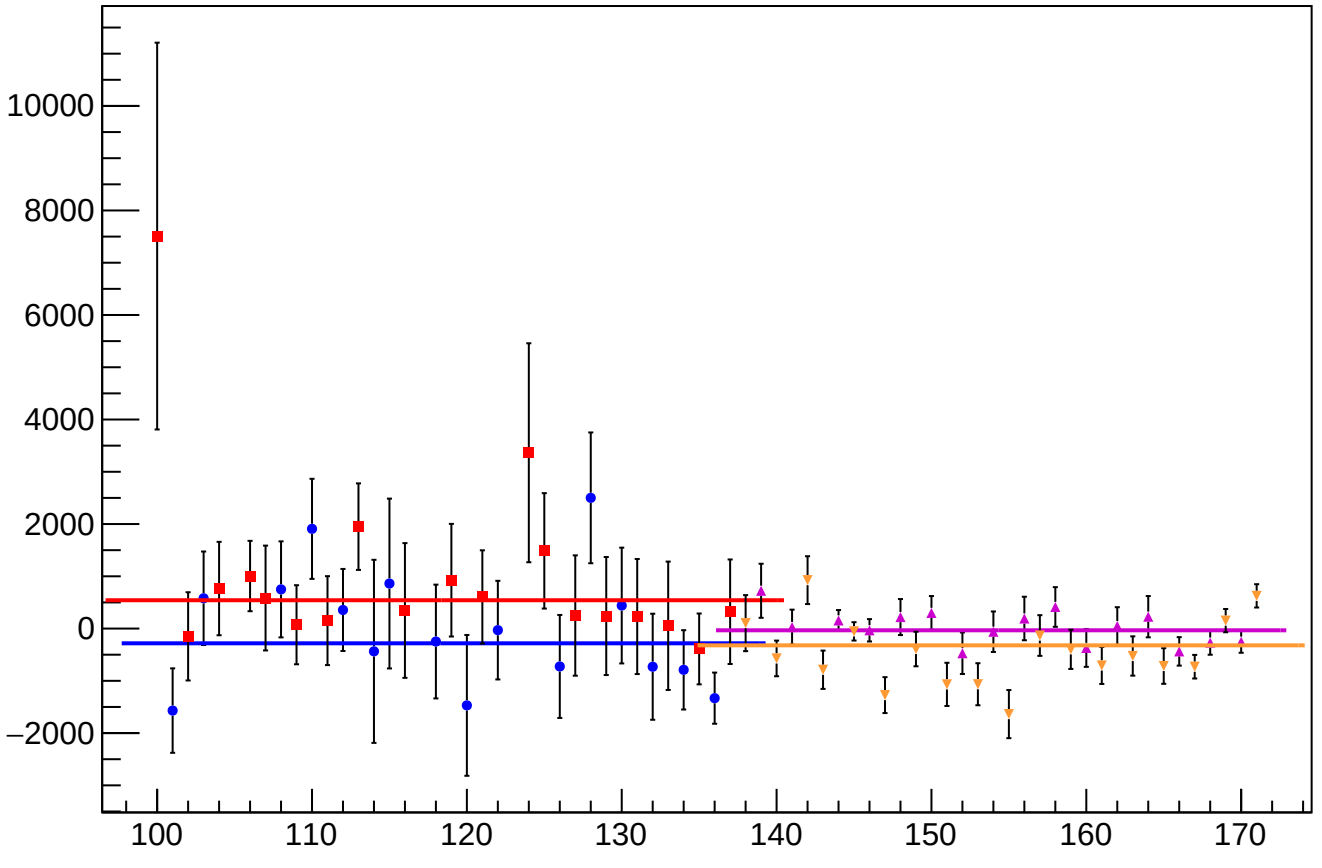
Left: 54.016+/-0.007 χ^2/NDF: 1446313.8/33

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 58.398+/-0.010 χ^2/NDF:2202037.0/31

Out: 57.983+/-0.009 χ^2/NDF:2680458.7/36

All: 58.183+/-0.007 χ^2/NDF: 4883471.8/68



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: -33.156+/-74.575 χ^2/NDF:13.2/15

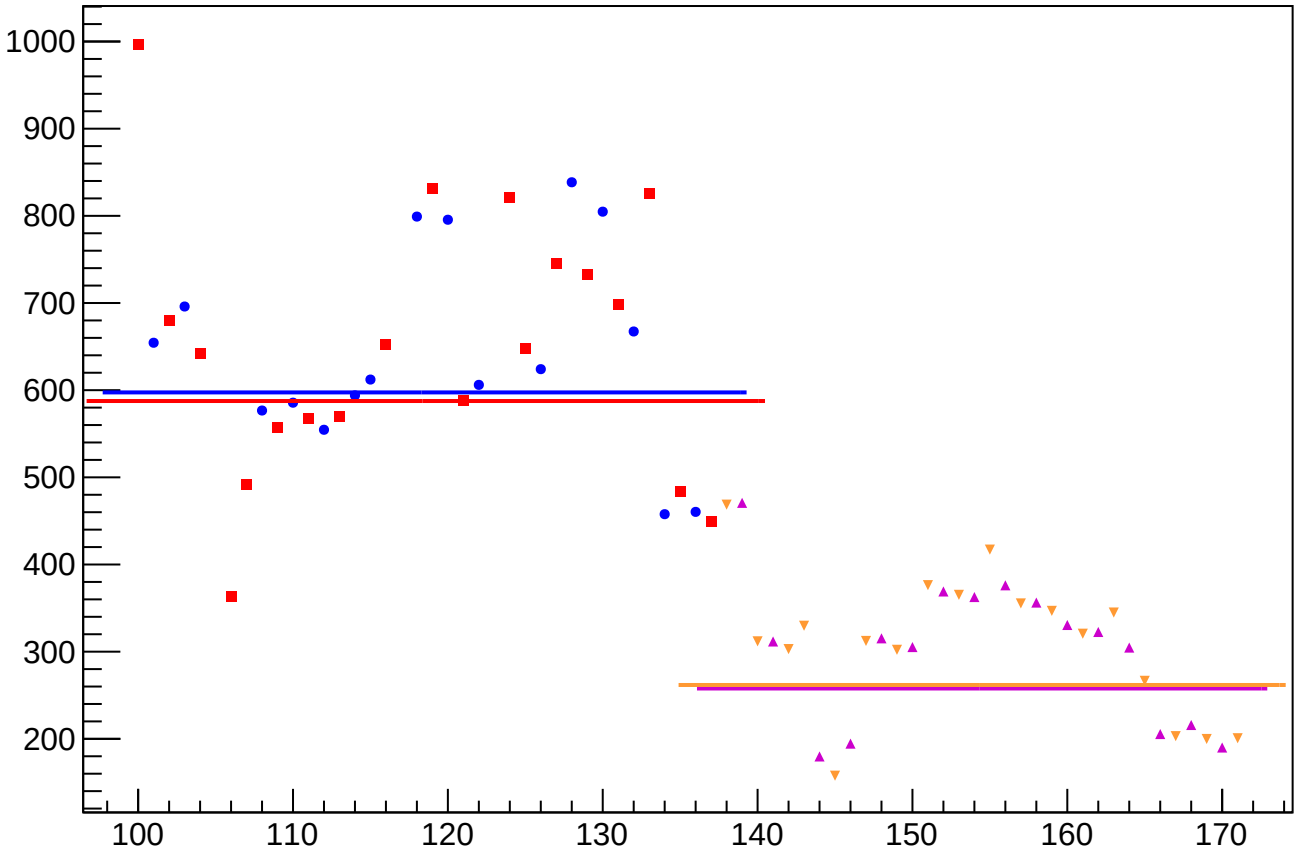
Left: -180.542+/-52.110 χ^2/NDF: 84.9/33

Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: -57.249+/-70.873 χ^2/NDF:37.1/31

Out: -236.511+/-69.180 χ^2/NDF:91.1/36

All: -149.047+/-49.506 χ^2/NDF: 131.5/68



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: 257.755+/-0.053 χ^2/NDF:2091632.6/15

Left: 259.819+/-0.037 χ^2/NDF: 4622866.0/33

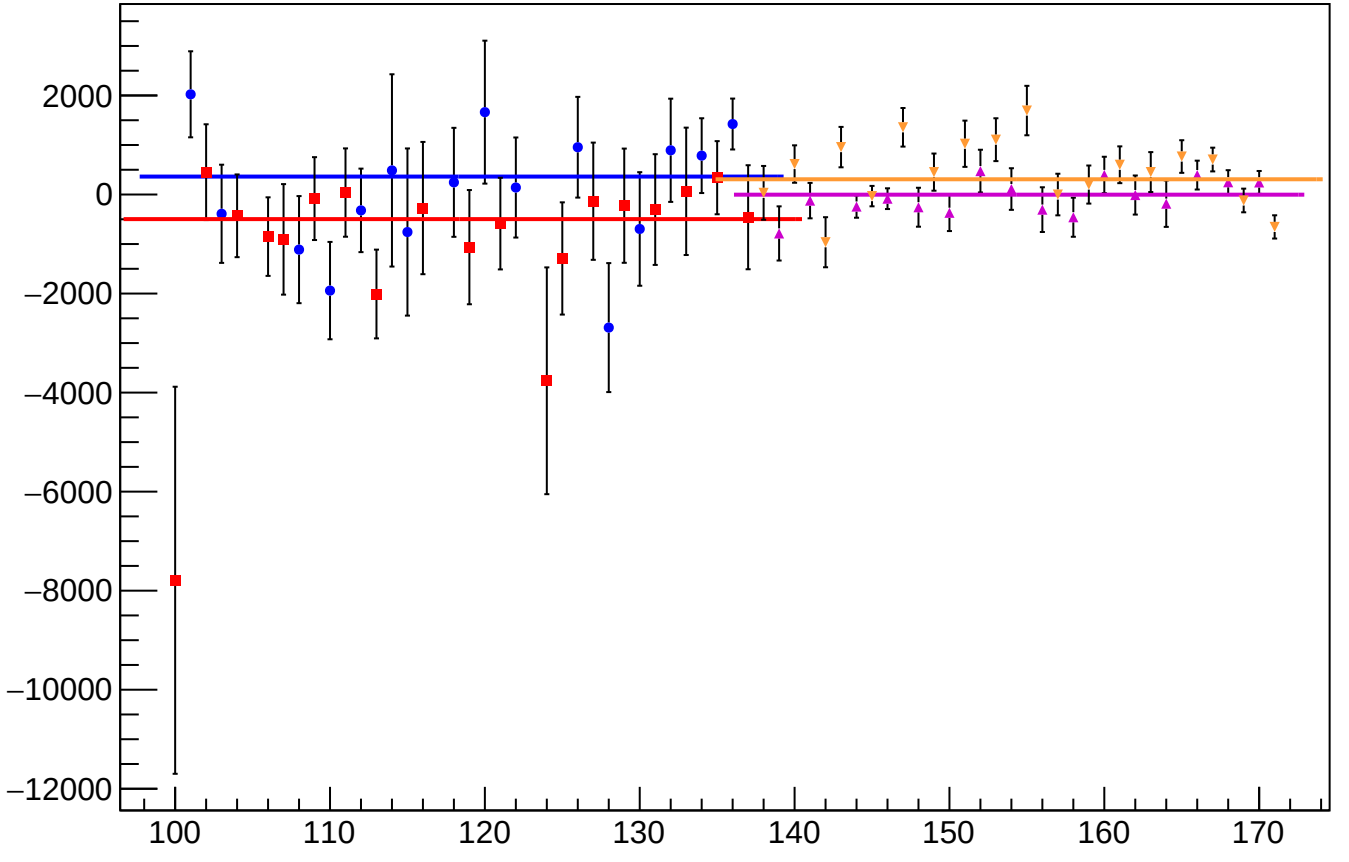
Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

In: 290.638+/-0.050 χ^2/NDF:6642334.0/31

Out: 293.738+/-0.049 χ^2/NDF:7140435.8/36

All: 292.225+/-0.035 χ^2/NDF: 13784728.4/68

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: -3.305+/-80.202 χ^2/NDF:13.3/15

Left: 154.301+/-56.336 χ^2/NDF: 80.4/33

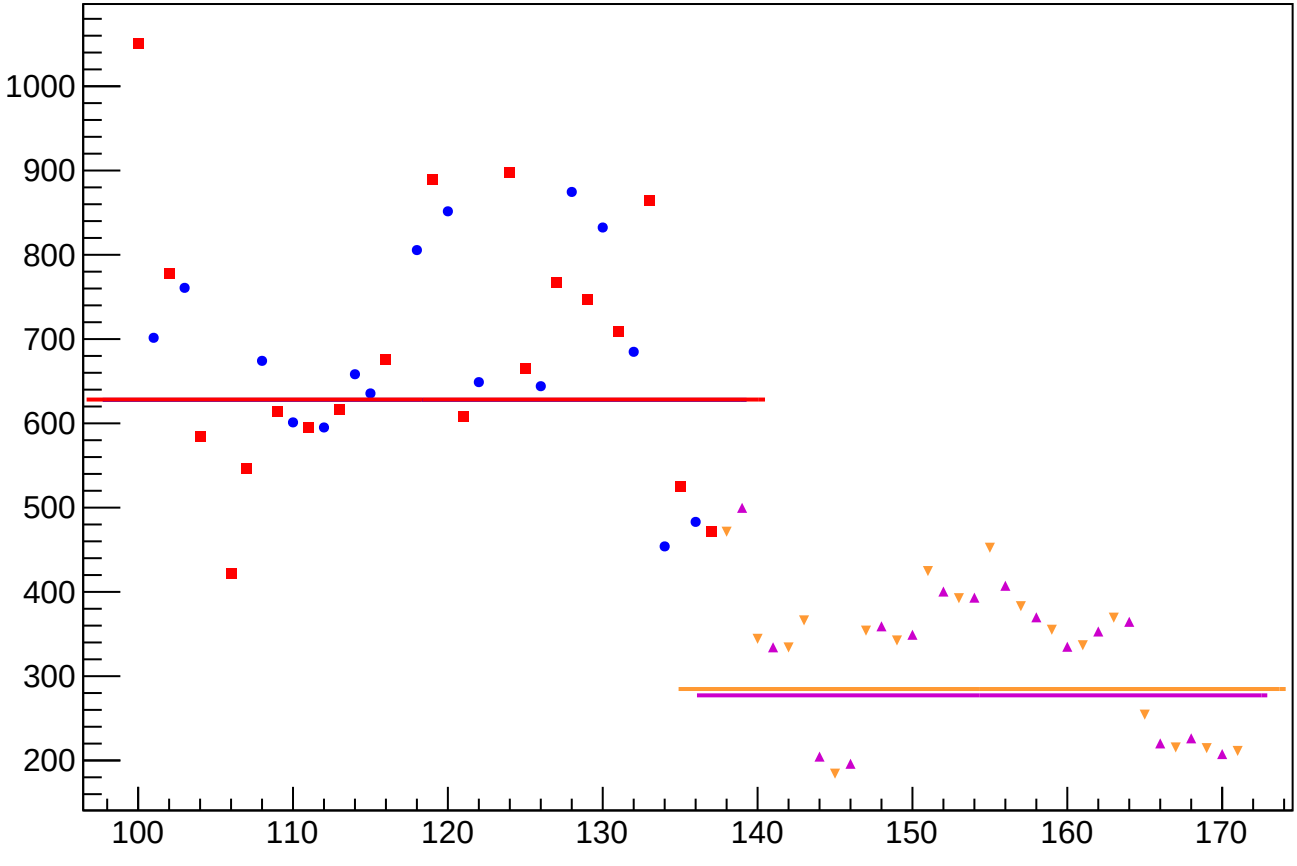
Right: -74.835+/-168.388 χ^2/NDF: 44.3/34

In: 33.348+/-76.077 χ^2/NDF:40.4/31

Out: 226.479+/-75.043 χ^2/NDF:82.6/36

All: 131.235+/-53.425 χ^2/NDF: 126.3/68

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: 277.246+/-0.057 χ^2/NDF:2181294.9/15

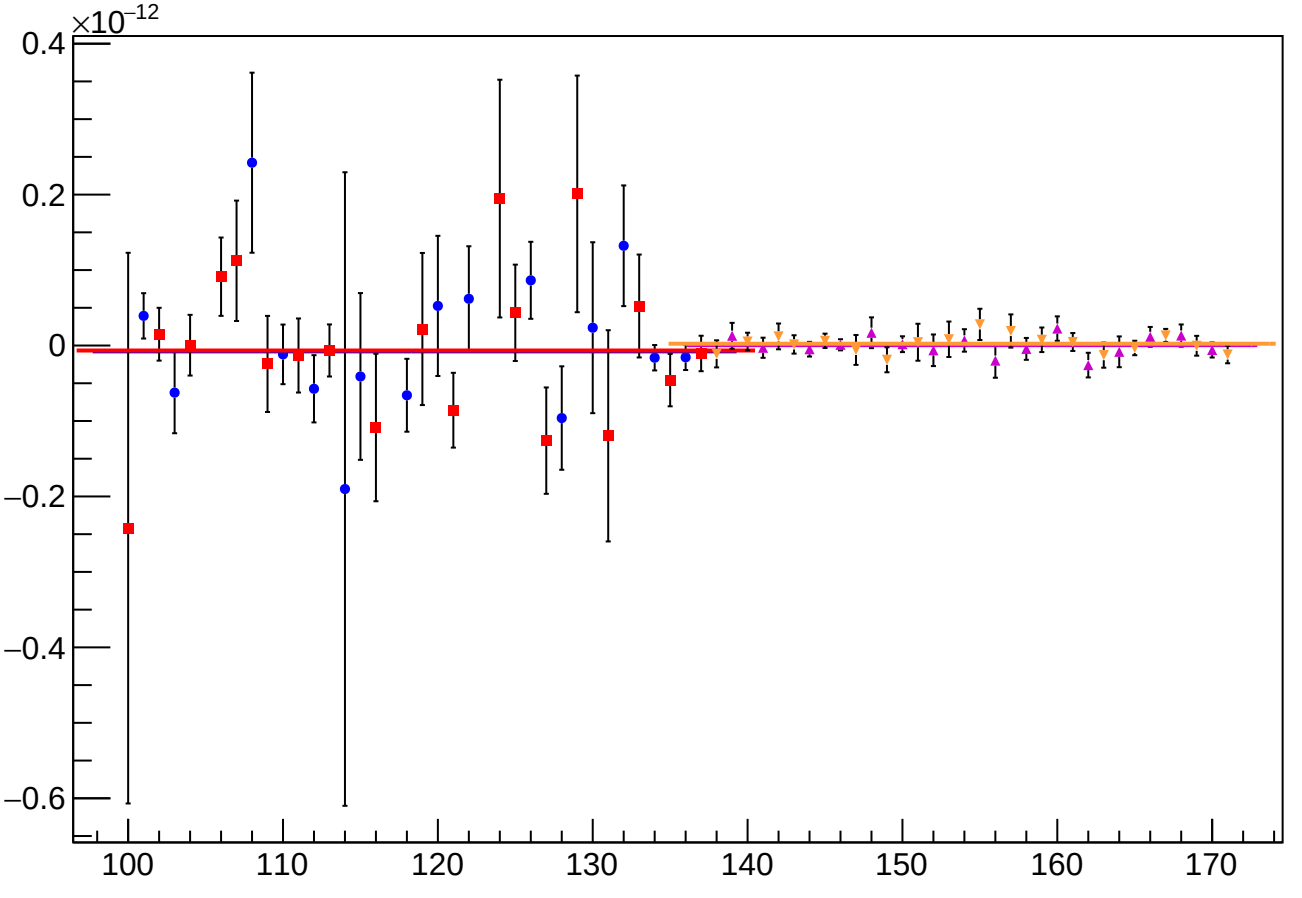
Left: 281.059+/-0.040 χ^2/NDF: 4546350.1/33

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 312.390+/-0.054 χ^2/NDF:6579801.1/31

Out: 319.494+/-0.053 χ^2/NDF:6734373.5/36

All: 315.991+/-0.038 χ^2/NDF: 13323011.2/68



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:9.3/15

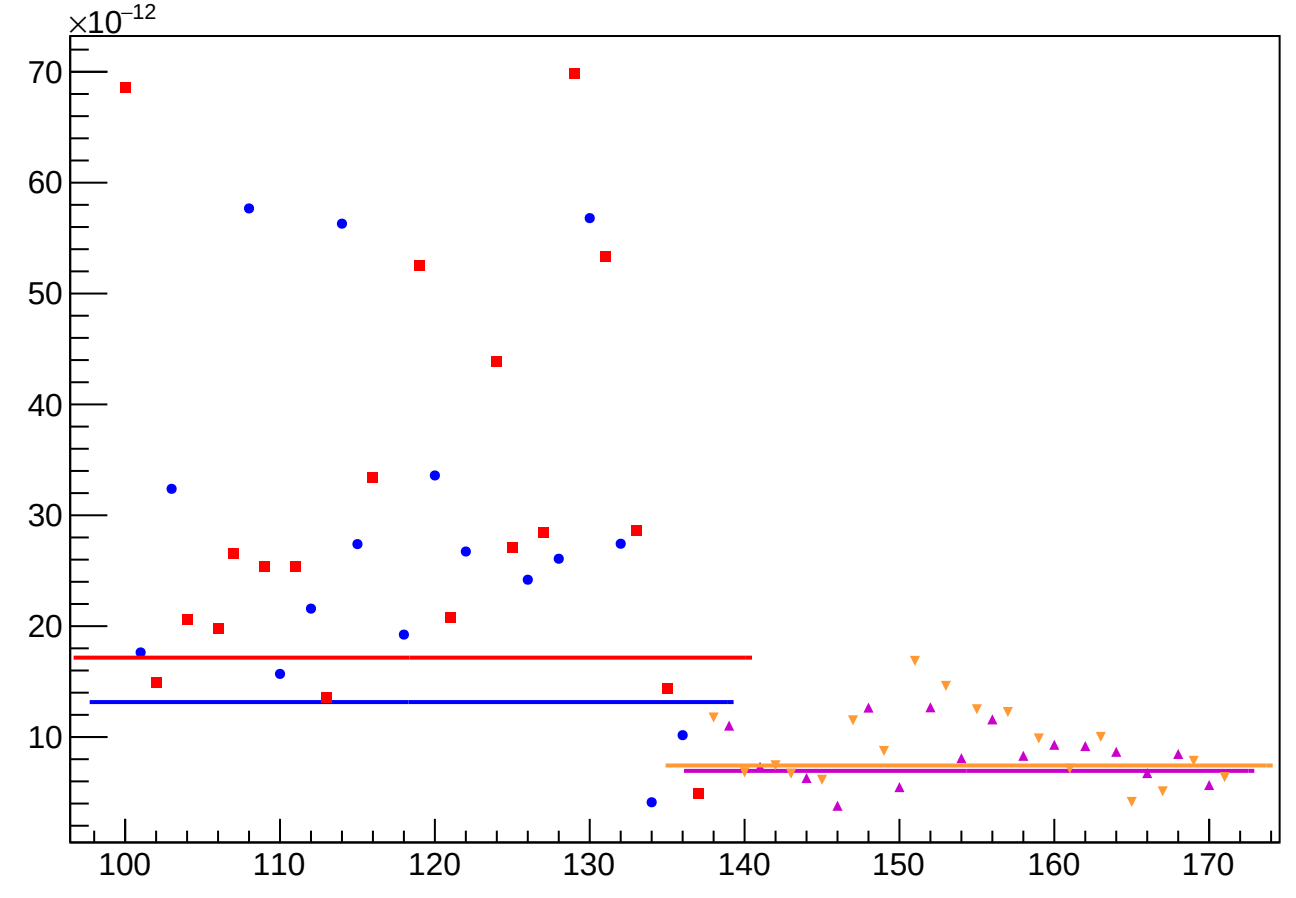
Left: 0.000+/-0.000 χ^2/NDF: 19.0/33

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:30.9/31

Out: 0.000+/-0.000 χ^2/NDF:30.1/36

All: 0.000+/-0.000 χ^2/NDF: 61.3/68



Right In: 0.000+/-0.000 χ^2/NDF: 2082875.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1452971.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1646197.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1098422.4/15

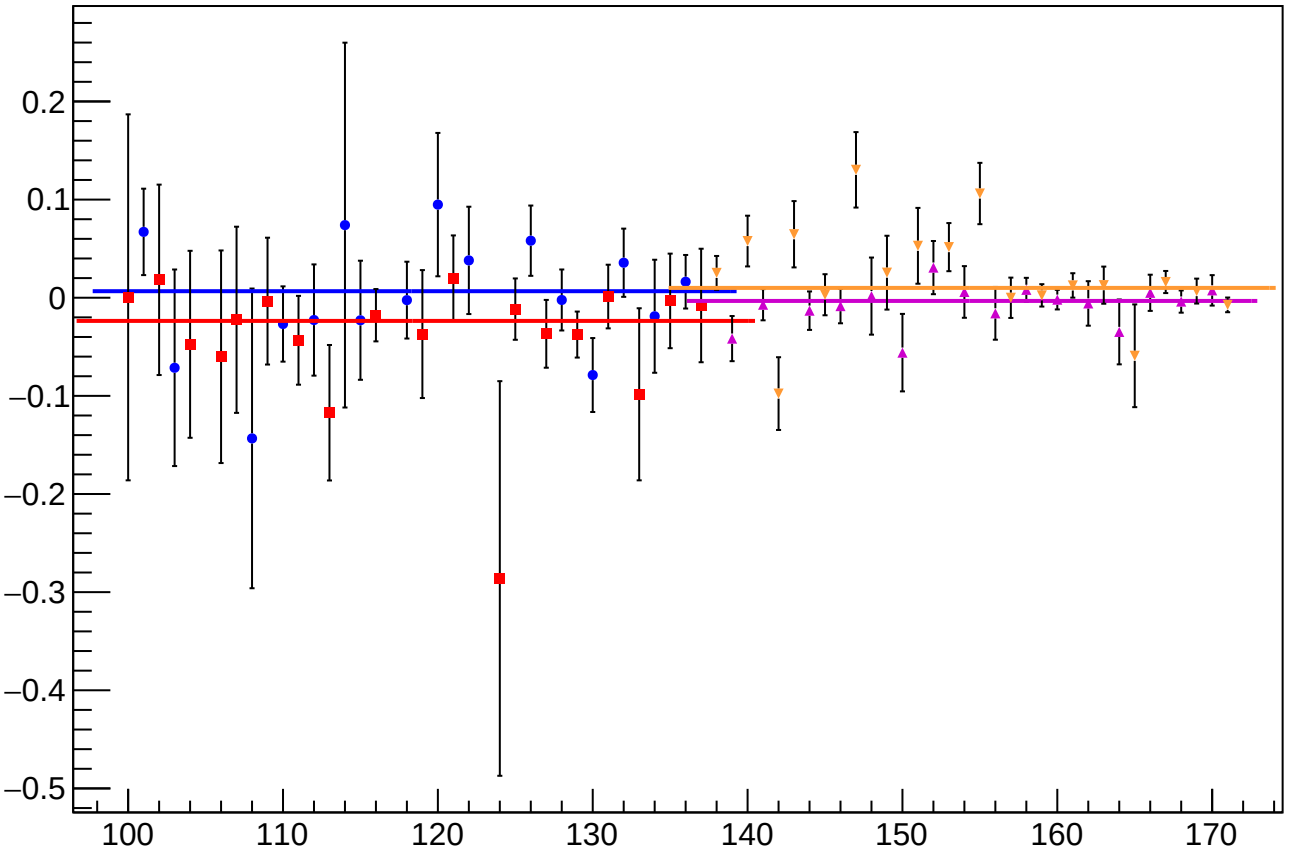
Left: 0.000+/-0.000 χ^2/NDF: 2573855.5/33

Right: 0.000+/-0.000 χ^2/NDF: 3874616.1/34

In: 0.000+/-0.000 χ^2/NDF:3963369.4/31

Out: 0.000+/-0.000 χ^2/NDF:4419929.6/36

All: 0.000+/-0.000 χ^2/NDF: 8410369.3/68



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: -0.003+/-0.004 χ^2/NDF:9.4/15

Left: 0.004+/-0.003 χ^2/NDF: 61.6/33

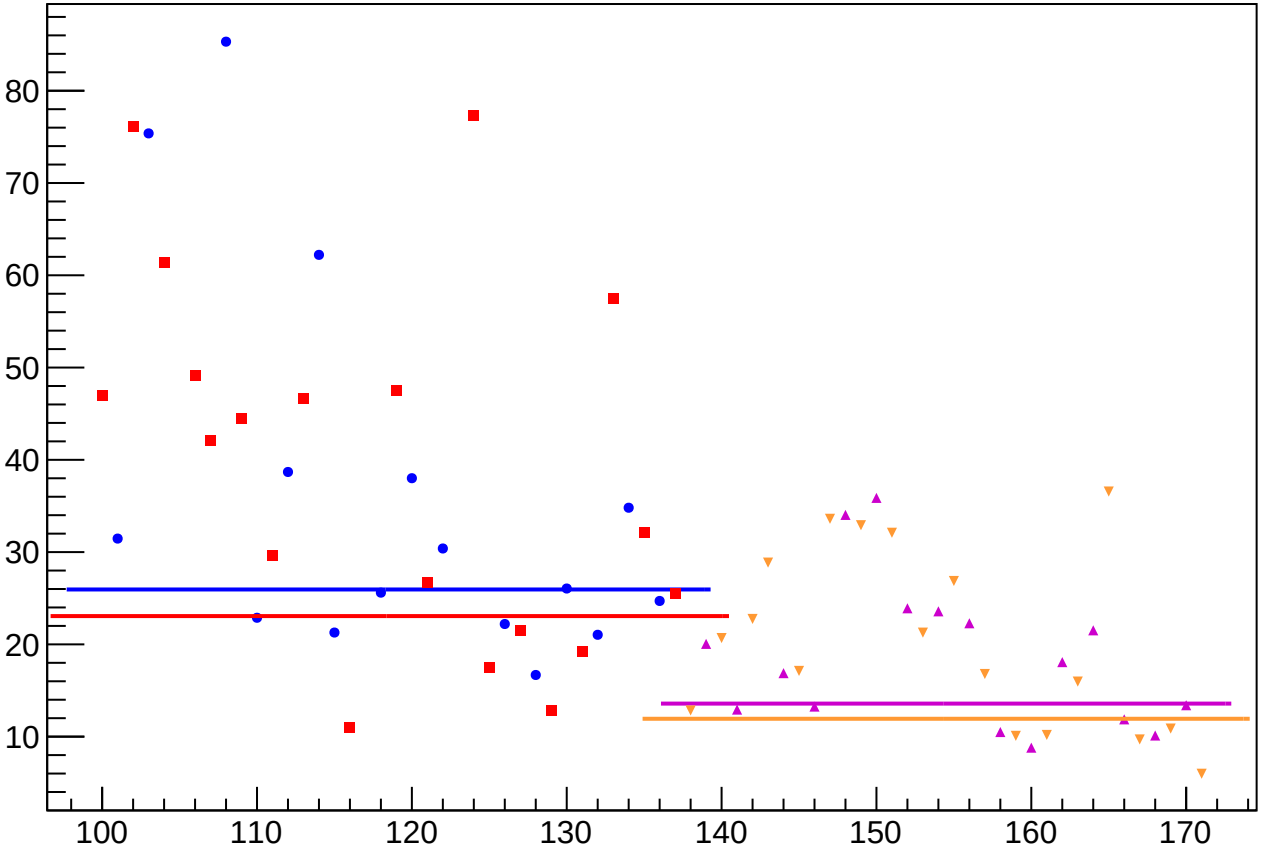
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.004 χ^2/NDF:25.1/31

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.002+/-0.003 χ^2/NDF: 90.7/68

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: 13.581+/-0.003 χ^2/NDF:3171505.9/15

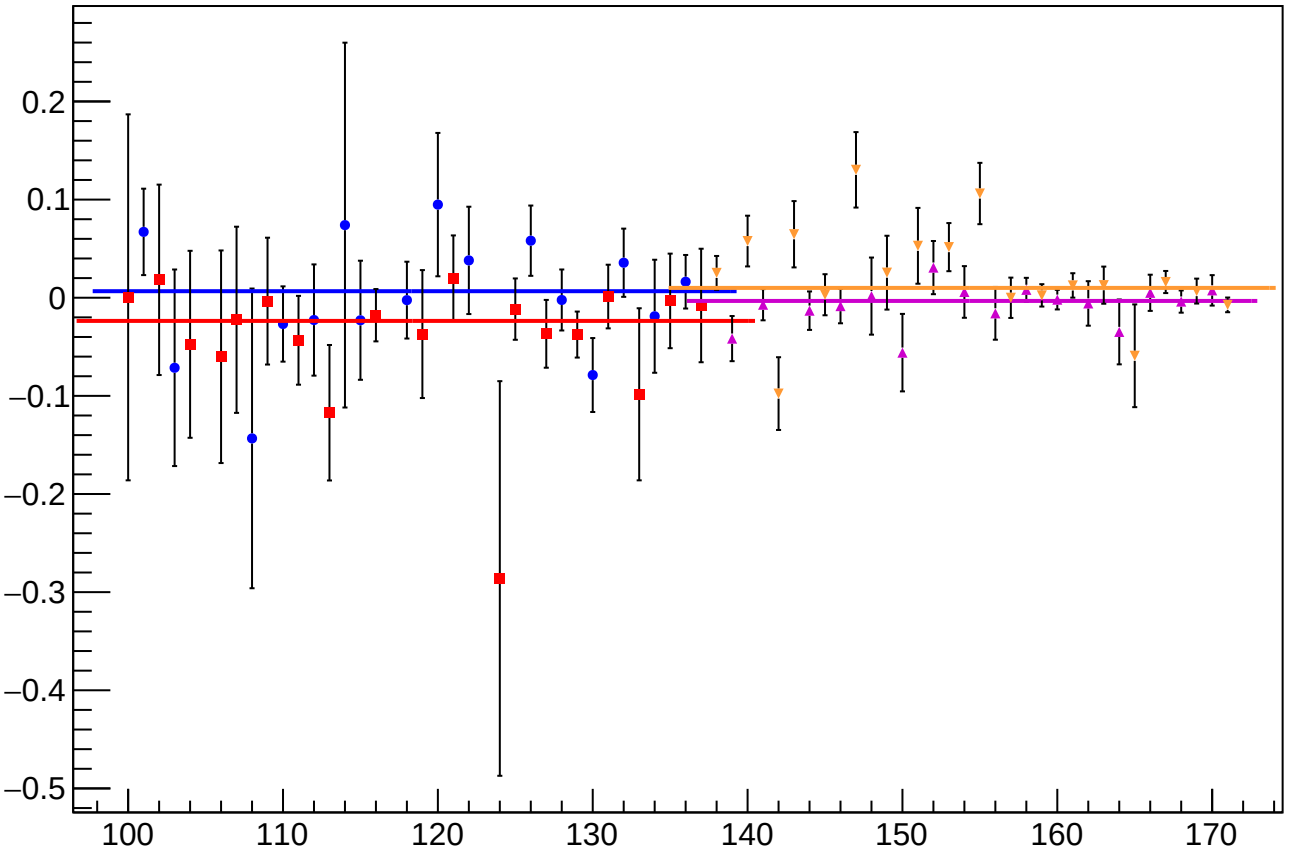
Left: 12.665+/-0.002 χ^2/NDF: 9004102.2/33

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 15.260+/-0.003 χ^2/NDF:6699350.8/31

Out: 13.298+/-0.003 χ^2/NDF:11008862.5/36

All: 14.174+/-0.002 χ^2/NDF: 17963111.3/68



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: -0.003+/-0.004 χ^2/NDF:9.4/15

Left: 0.004+/-0.003 χ^2/NDF: 61.6/33

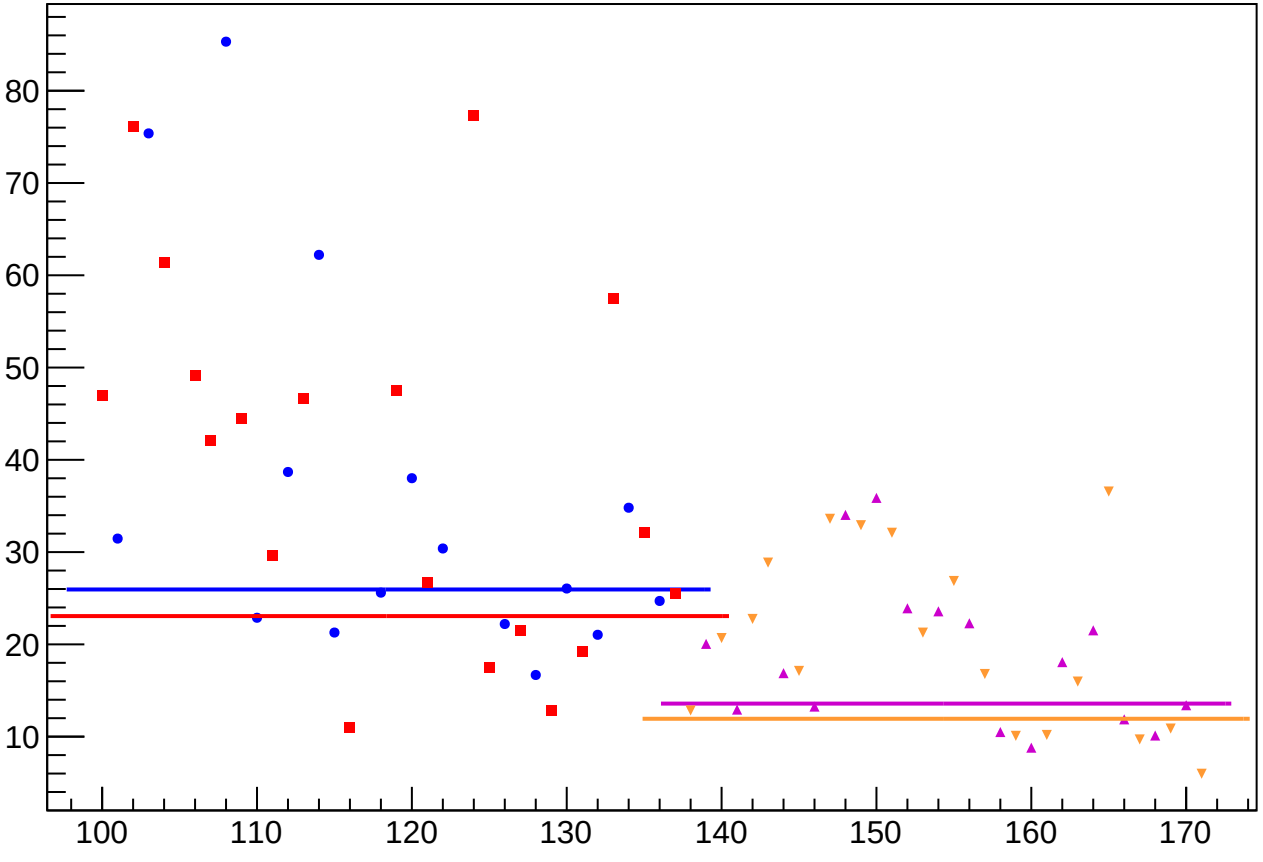
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.004 χ^2/NDF:25.1/31

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.002+/-0.003 χ^2/NDF: 90.7/68

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: 13.581+/-0.003 χ^2/NDF:3171505.9/15

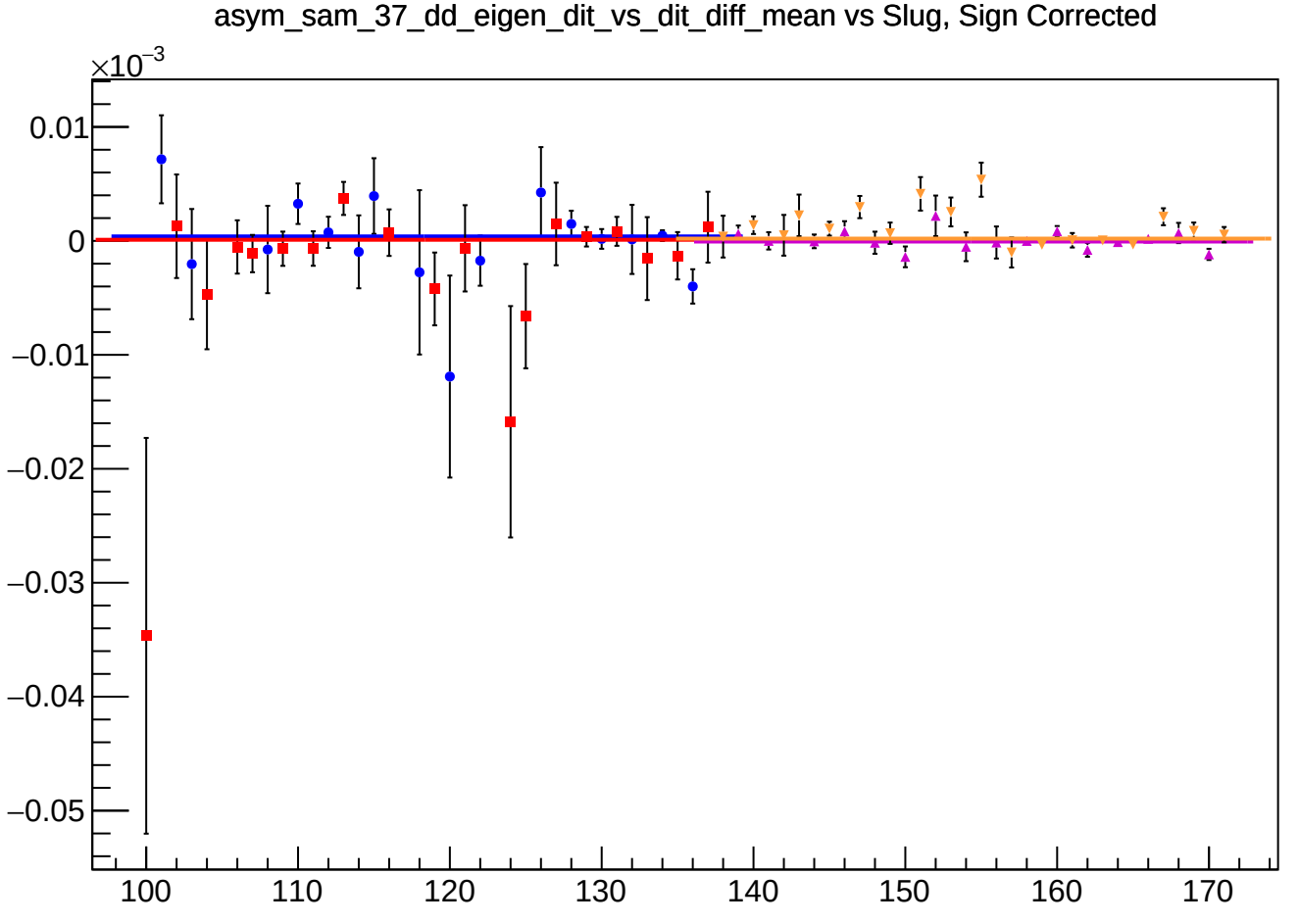
Left: 12.665+/-0.002 χ^2/NDF: 9004102.2/33

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 15.260+/-0.003 χ^2/NDF:6699350.8/31

Out: 13.298+/-0.003 χ^2/NDF:11008862.5/36

All: 14.174+/-0.002 χ^2/NDF: 17963111.3/68



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:17.5/15

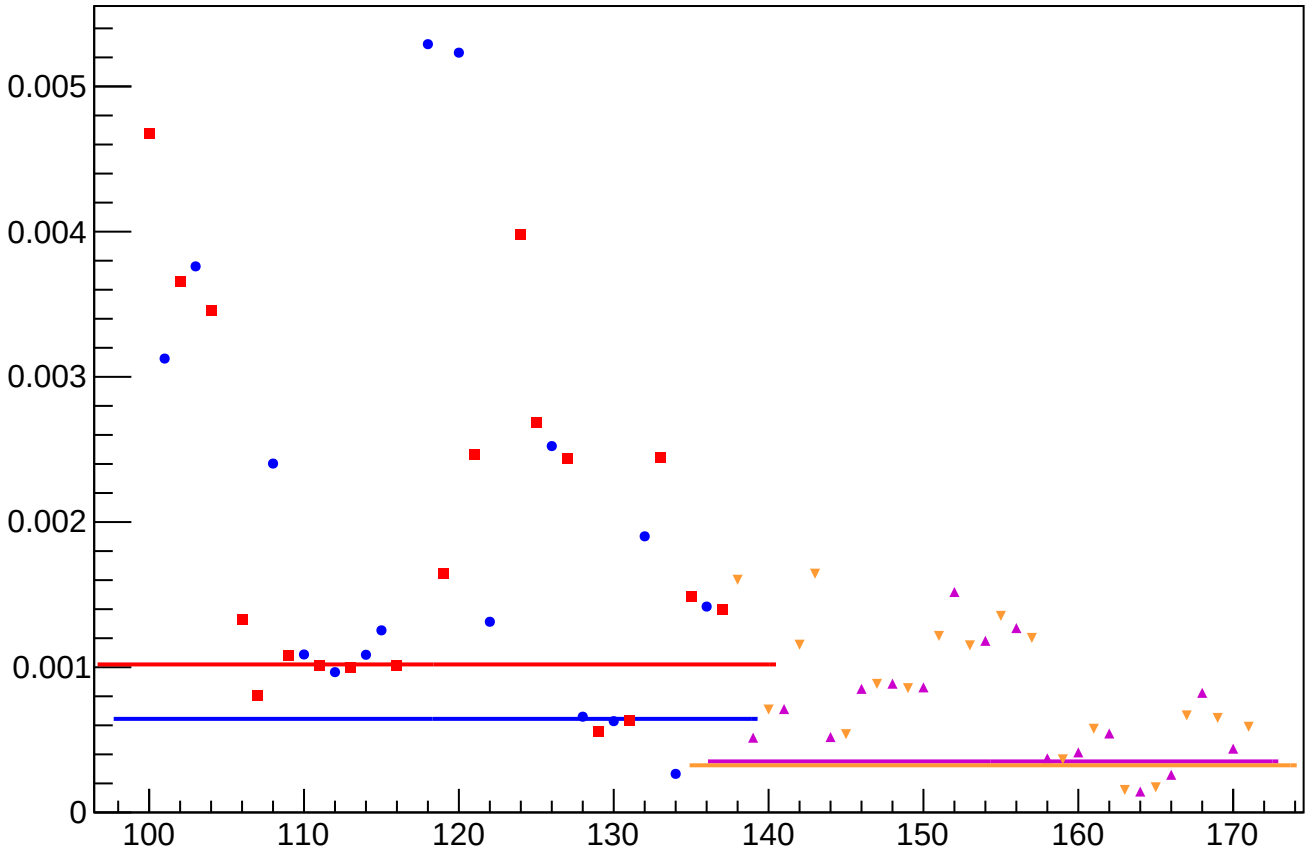
Left: 0.000+/-0.000 χ^2/NDF: 72.9/33

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:39.9/31

Out: 0.000+/-0.000 χ^2/NDF:73.7/36

All: 0.000+/-0.000 χ^2/NDF: 115.0/68



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:8585767.7/15

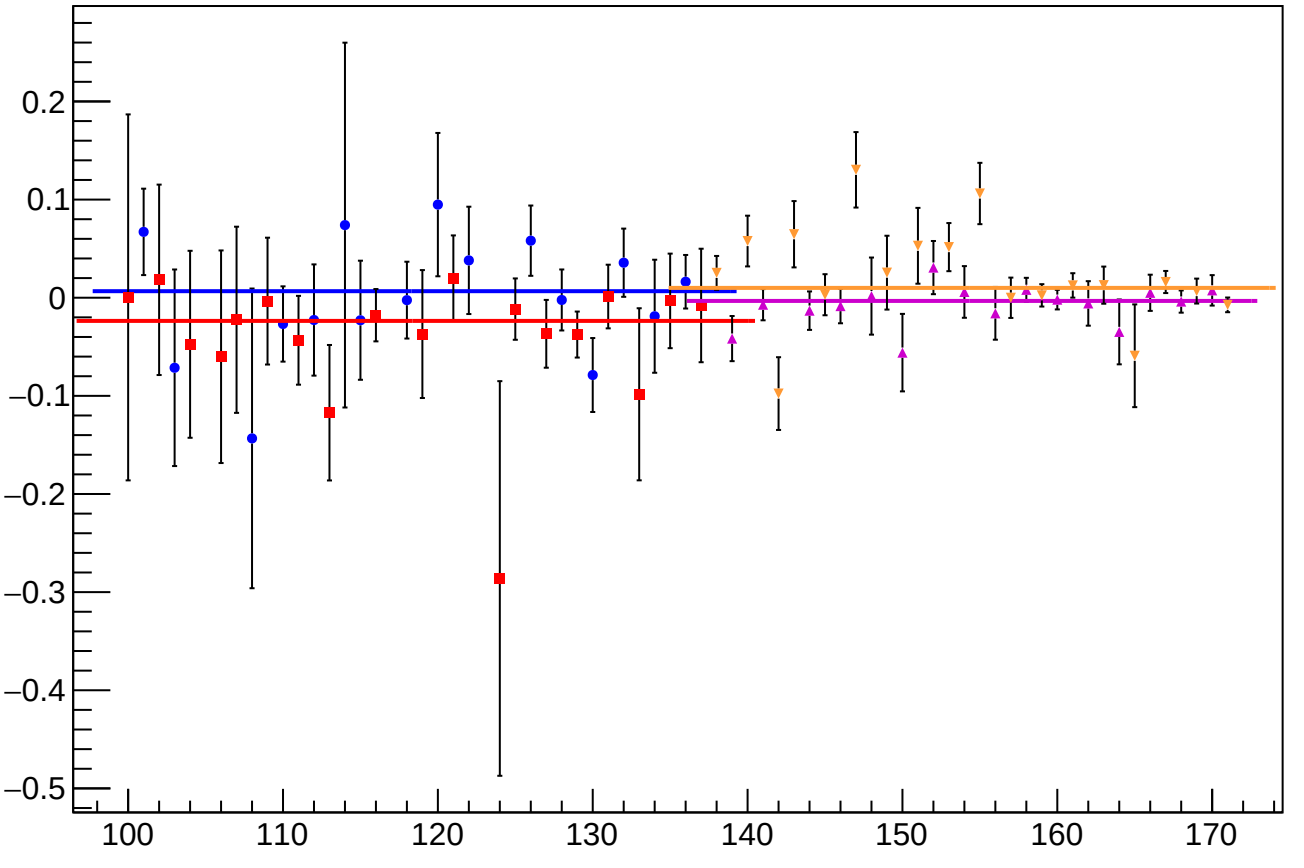
Left: 0.000+/-0.000 χ^2/NDF: 20630963.2/33

Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:16470982.1/31

Out: 0.000+/-0.000 χ^2/NDF:20124180.8/36

All: 0.000+/-0.000 χ^2/NDF: 36619197.0/68



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: -0.003+/-0.004 χ^2/NDF:9.4/15

Left: 0.004+/-0.003 χ^2/NDF: 61.6/33

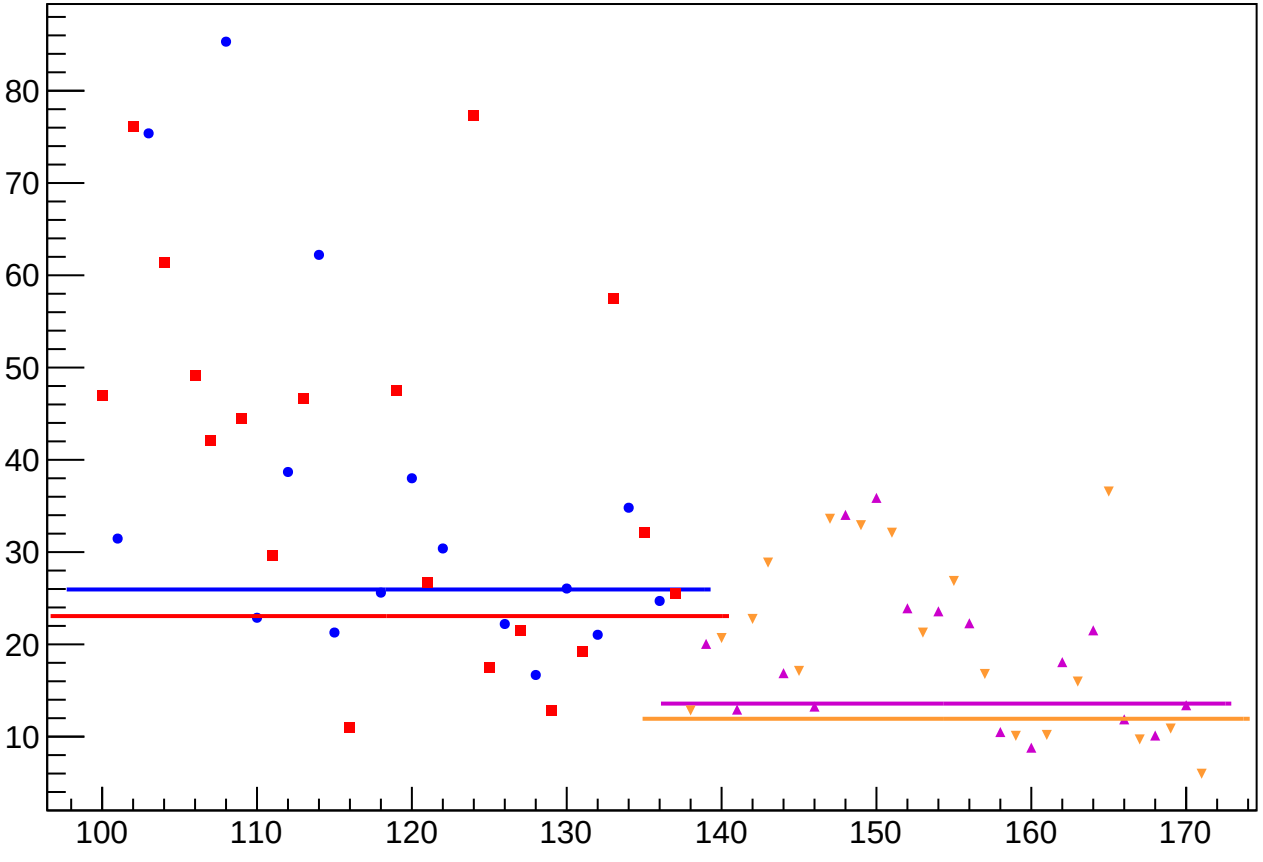
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.004 χ^2/NDF:25.1/31

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.002+/-0.003 χ^2/NDF: 90.7/68

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: 13.581+/-0.003 χ^2/NDF:3171658.2/15

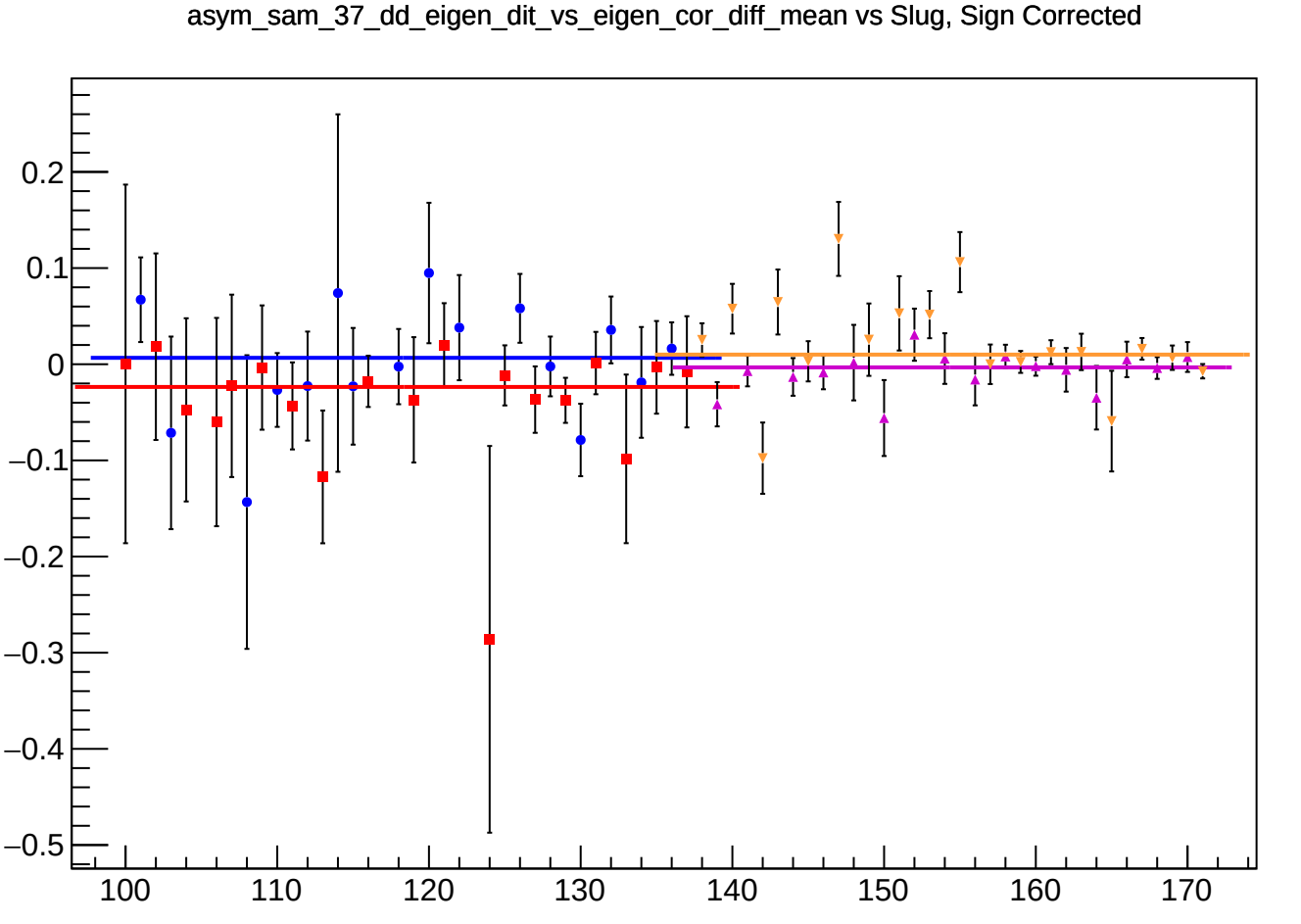
Left: 12.665+/-0.002 χ^2/NDF: 9004448.6/33

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 15.260+/-0.003 χ^2/NDF:6699520.0/31

Out: 13.298+/-0.003 χ^2/NDF:11008984.7/36

All: 14.174+/-0.002 χ^2/NDF: 17963385.0/68



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: -0.003+/-0.004 χ^2/NDF:9.4/15

Left: 0.004+/-0.003 χ^2/NDF: 61.6/33

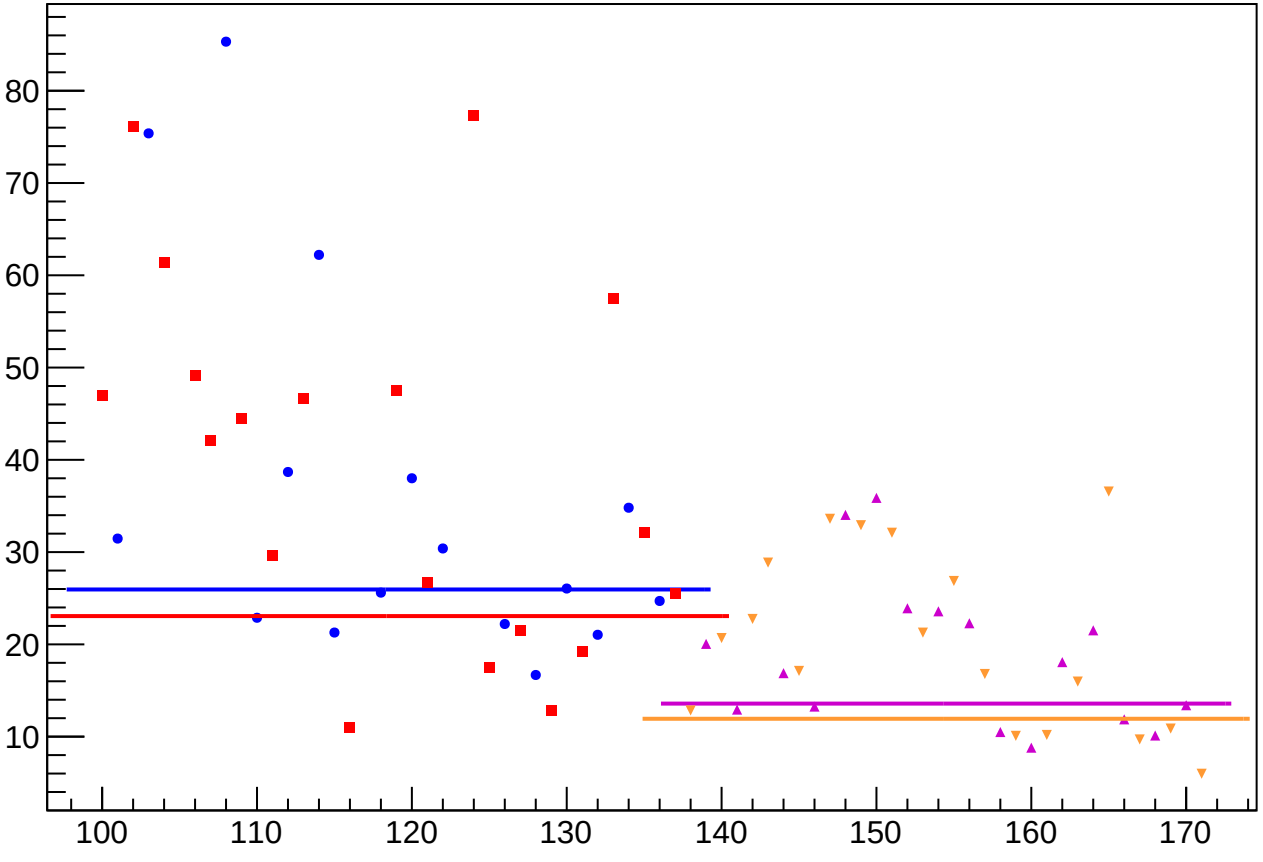
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.002+/-0.004 χ^2/NDF:25.1/31

Out: 0.006+/-0.004 χ^2/NDF:63.6/36

All: 0.002+/-0.003 χ^2/NDF: 90.7/68

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: 13.581+/-0.003 χ^2/NDF:3171658.2/15

Left: 12.665+/-0.002 χ^2/NDF: 9004448.6/33

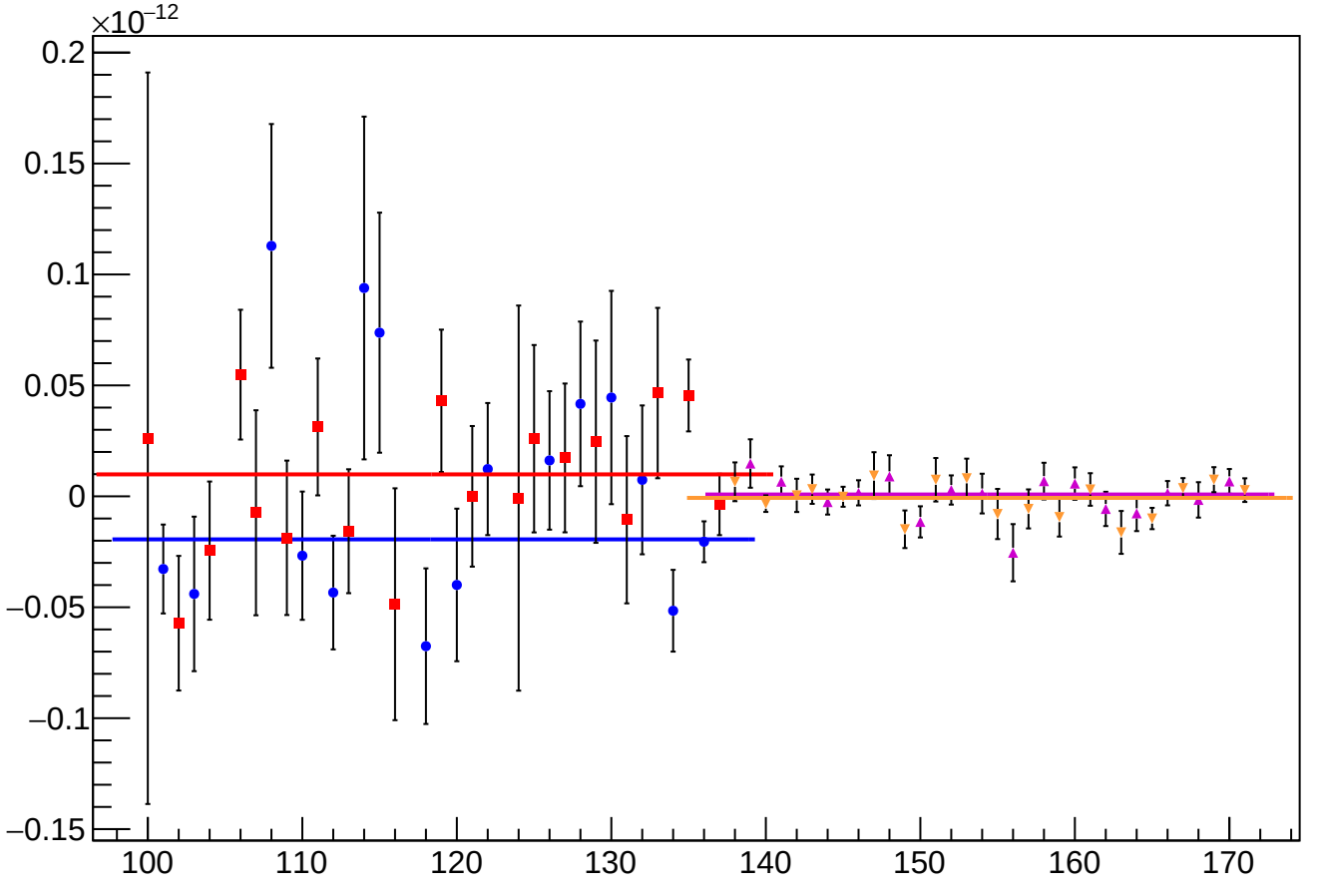
Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 15.260+/-0.003 χ^2/NDF:6699520.0/31

Out: 13.298+/-0.003 χ^2/NDF:11008984.7/36

All: 14.174+/-0.002 χ^2/NDF: 17963385.0/68

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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:14.8/15

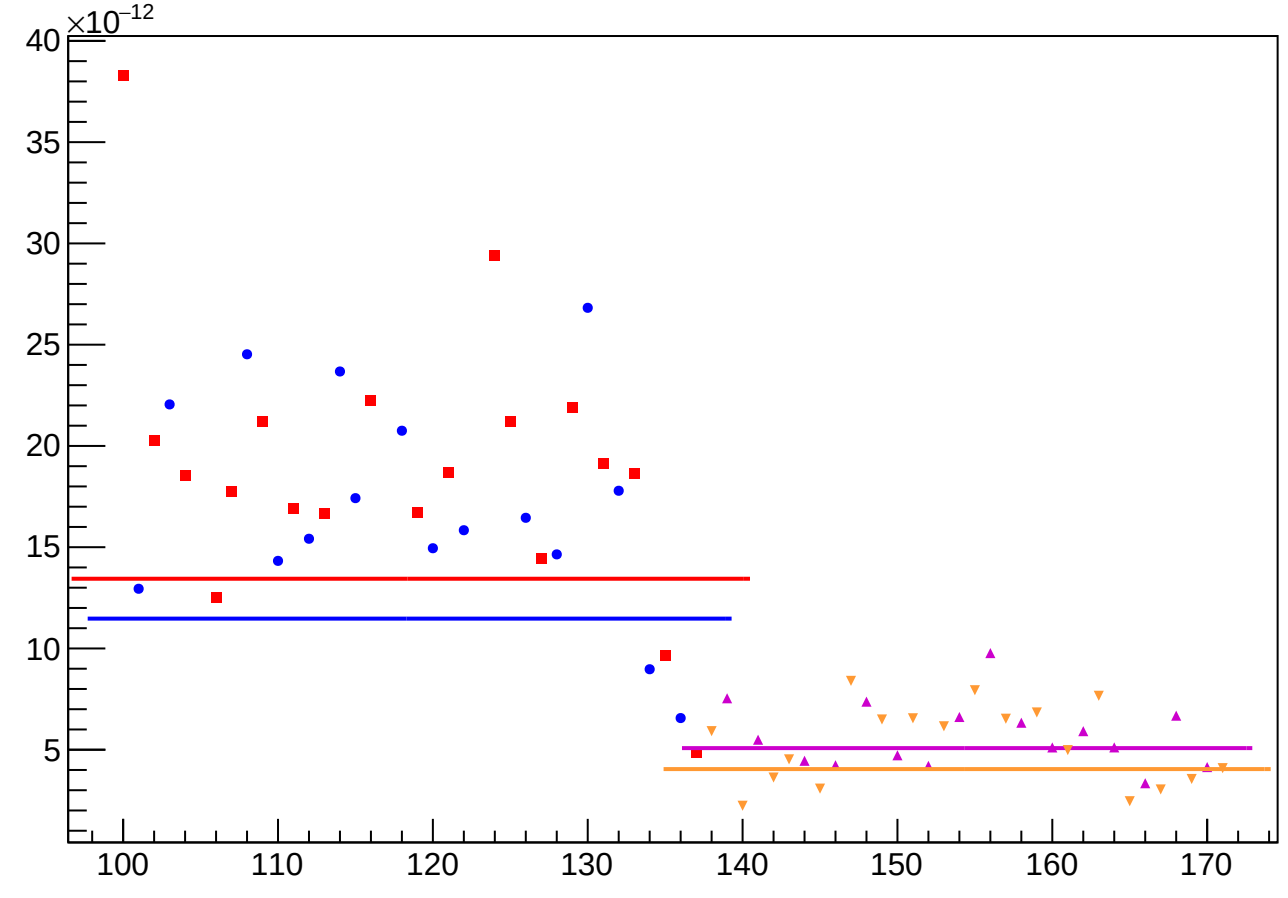
Left: -0.000+/-0.000 χ^2/NDF: 34.0/33

Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:50.8/31

Out: -0.000+/-0.000 χ^2/NDF:41.4/36

All: -0.000+/-0.000 χ^2/NDF: 92.3/68



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:1064502.5/15

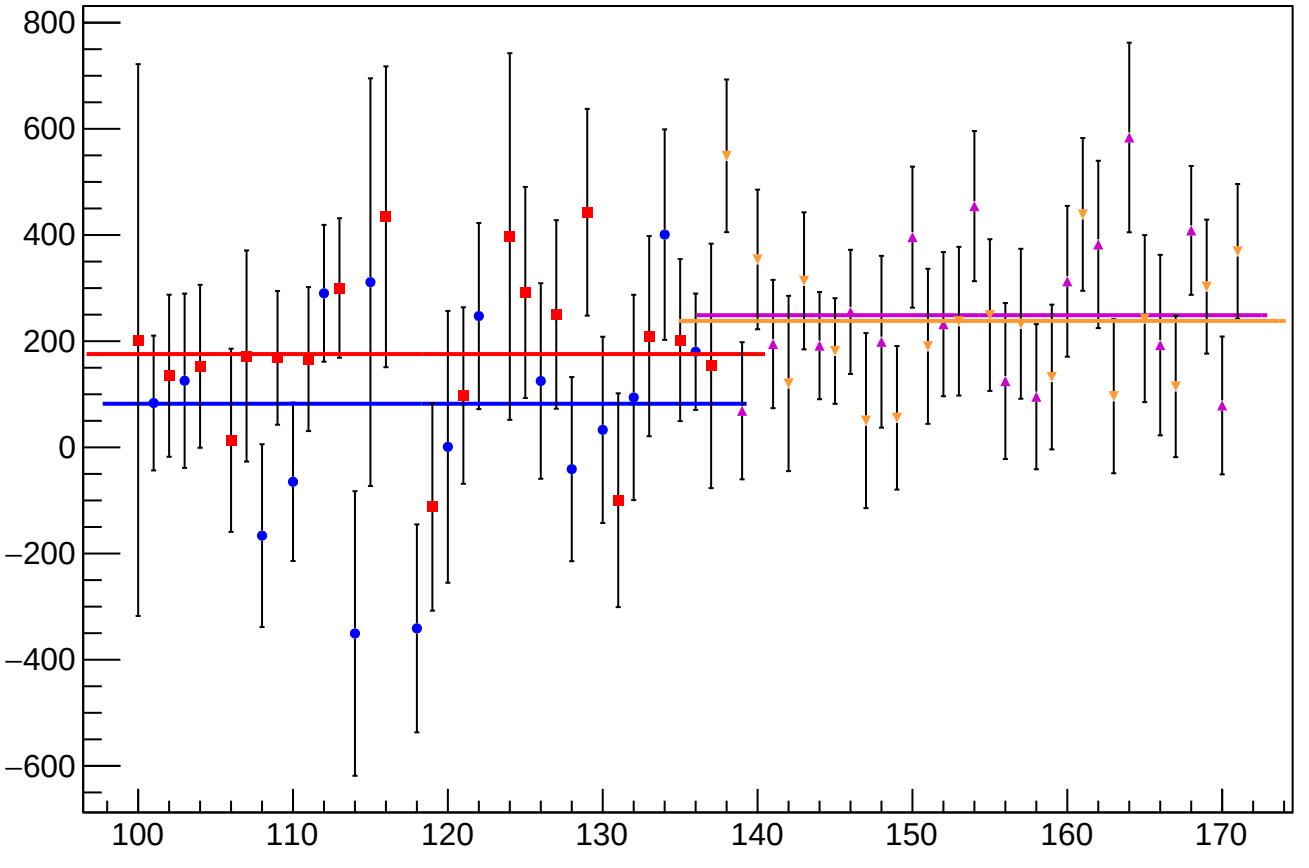
Left: 0.000+/-0.000 χ^2/NDF: 4126696.5/33

Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

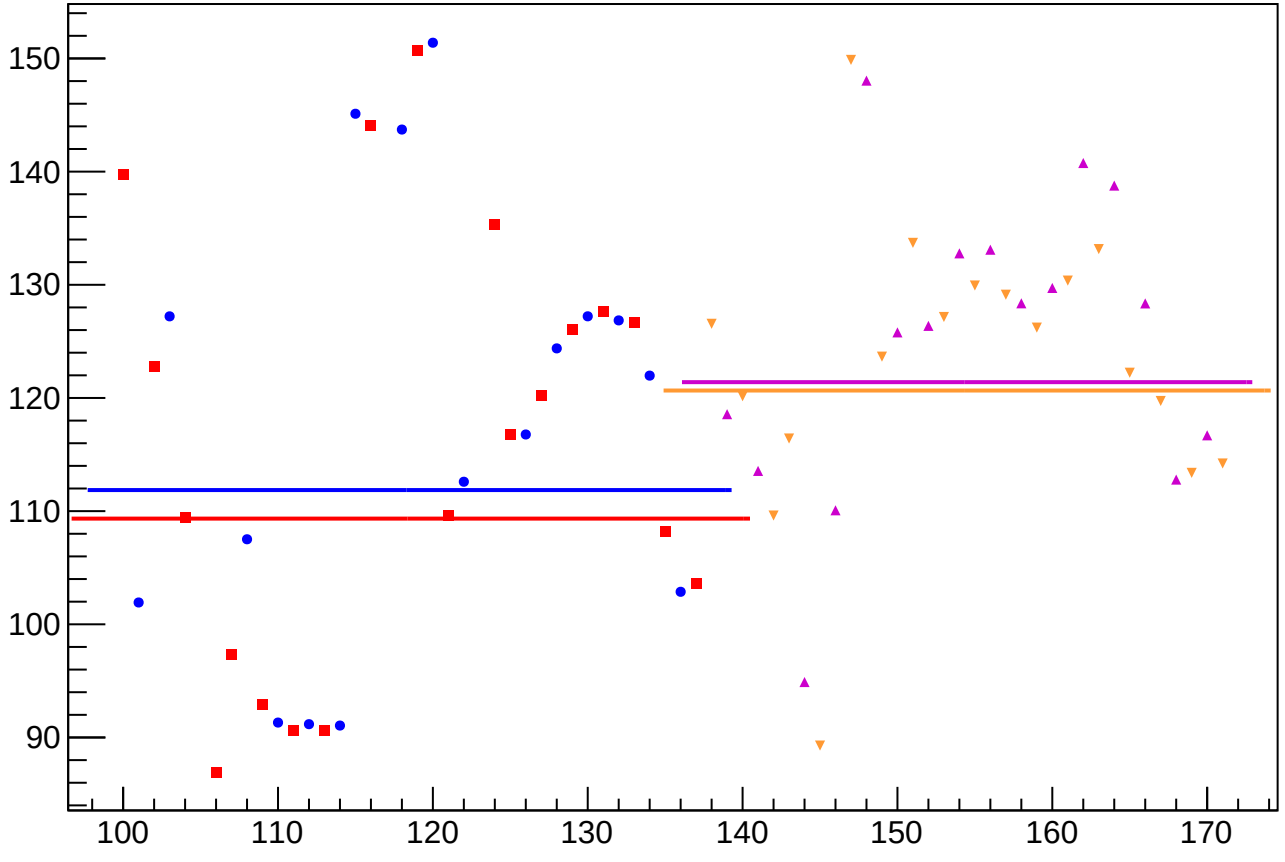
In: 0.000+/-0.000 χ^2/NDF:4728400.7/31

Out: 0.000+/-0.000 χ^2/NDF:8008471.1/36

All: 0.000+/-0.000 χ^2/NDF: 13223025.2/68


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: 248.939+/-33.678 χ²/NDF:15.9/15
Left: 243.343+/-23.279 χ²/NDF: 31.5/33
Right: 130.613+/-29.263 χ²/NDF: 30.8/34
In: 183.937+/-26.307 χ²/NDF:43.8/31
Out: 214.135+/-25.252 χ²/NDF:26.9/36
All: 199.653+/-18.217 χ²/NDF: 71.4/68

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 120.658+/-0.023 χ^2/NDF:352512.1/17

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 121.397+/-0.024 χ^2/NDF:327993.9/15

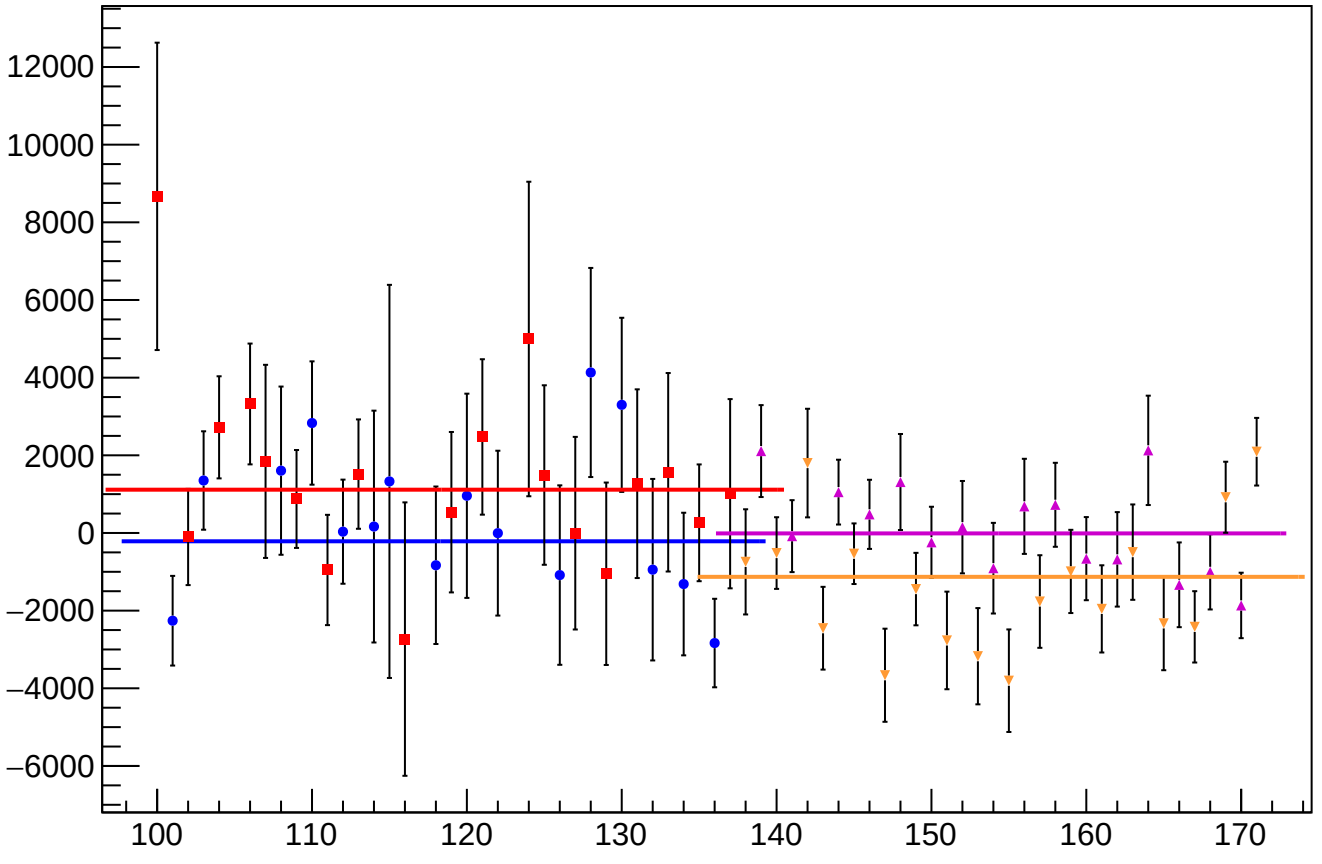
Left: 121.011+/-0.016 χ^2/NDF: 681009.1/33

Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.680+/-0.019 χ^2/NDF:696518.4/31

Out: 116.295+/-0.018 χ^2/NDF:814899.3/36

All: 116.959+/-0.013 χ^2/NDF: 1514301.5/68



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: -11.035+/-260.351 χ^2/NDF:18.1/15

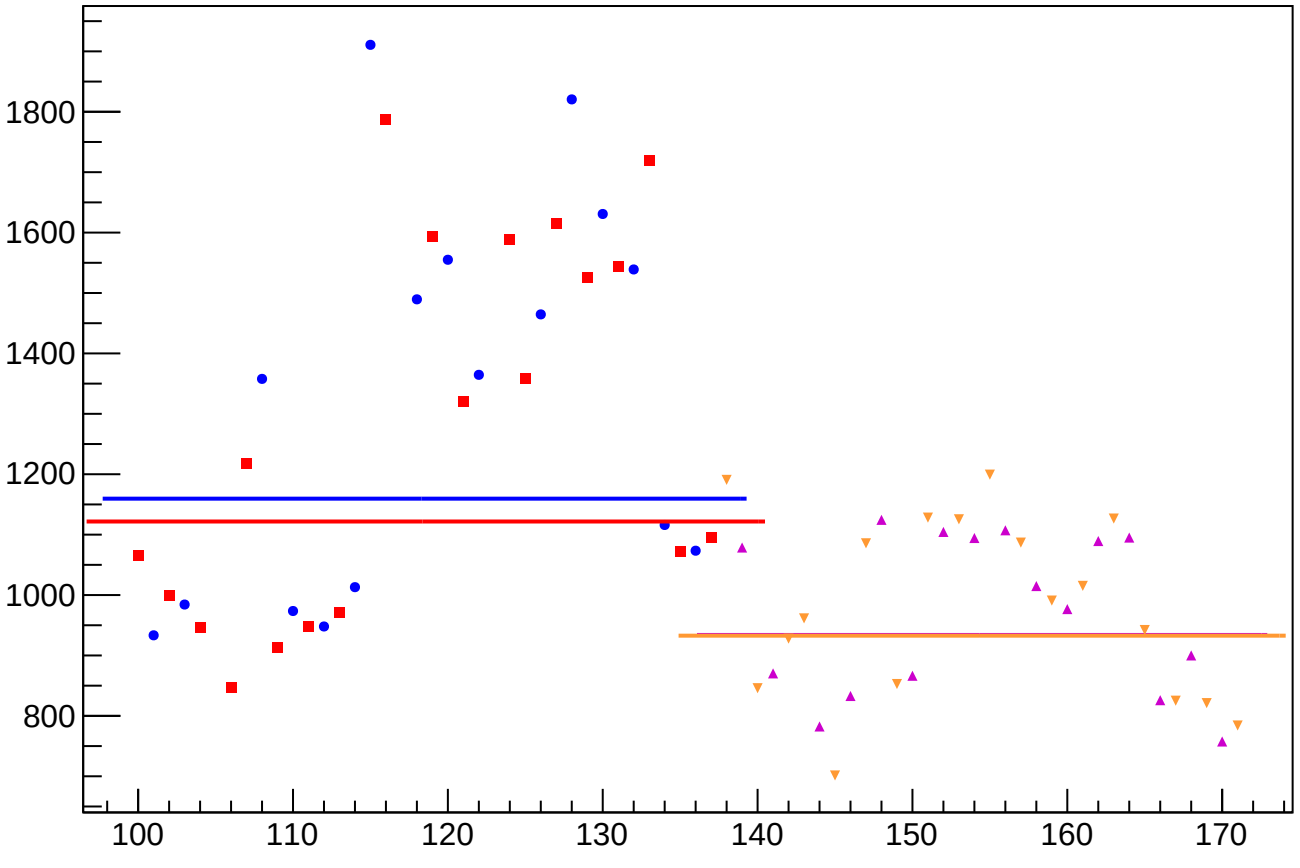
Left: -590.712+/-180.703 χ^2/NDF: 70.6/33

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: -63.020+/-224.583 χ^2/NDF:38.7/31

Out: -545.163+/-215.871 χ^2/NDF:78.2/36

All: -313.624+/-155.633 χ^2/NDF: 119.3/68



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: 933.942+/-0.184 χ^2/NDF:491201.9/15

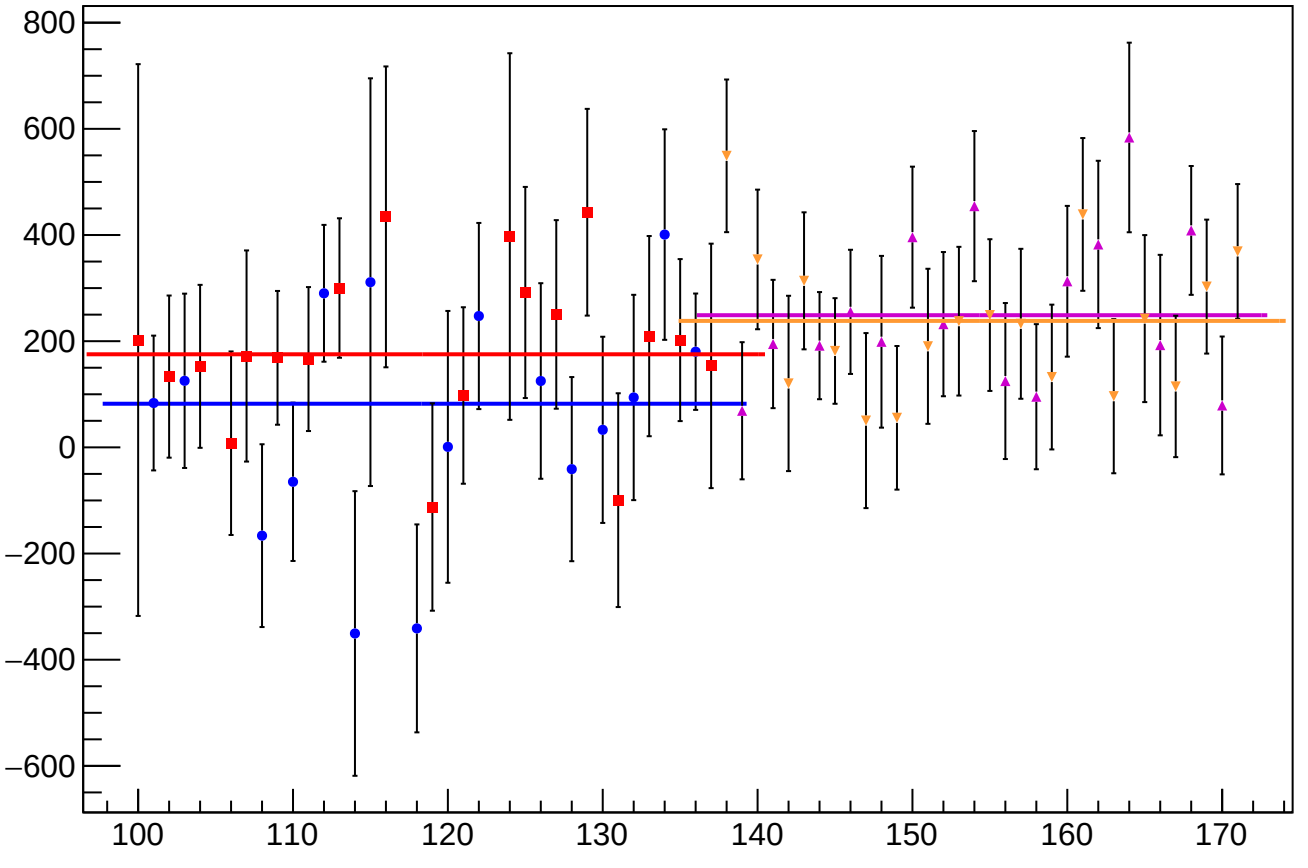
Left: 933.330+/-0.128 χ^2/NDF: 1199790.1/33

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 991.678+/-0.159 χ^2/NDF:1559262.8/31

Out: 981.973+/-0.153 χ^2/NDF:1786063.1/36

All: 986.634+/-0.110 χ^2/NDF: 3347267.2/68



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: 248.940+/-33.678 χ^2/NDF:15.9/15

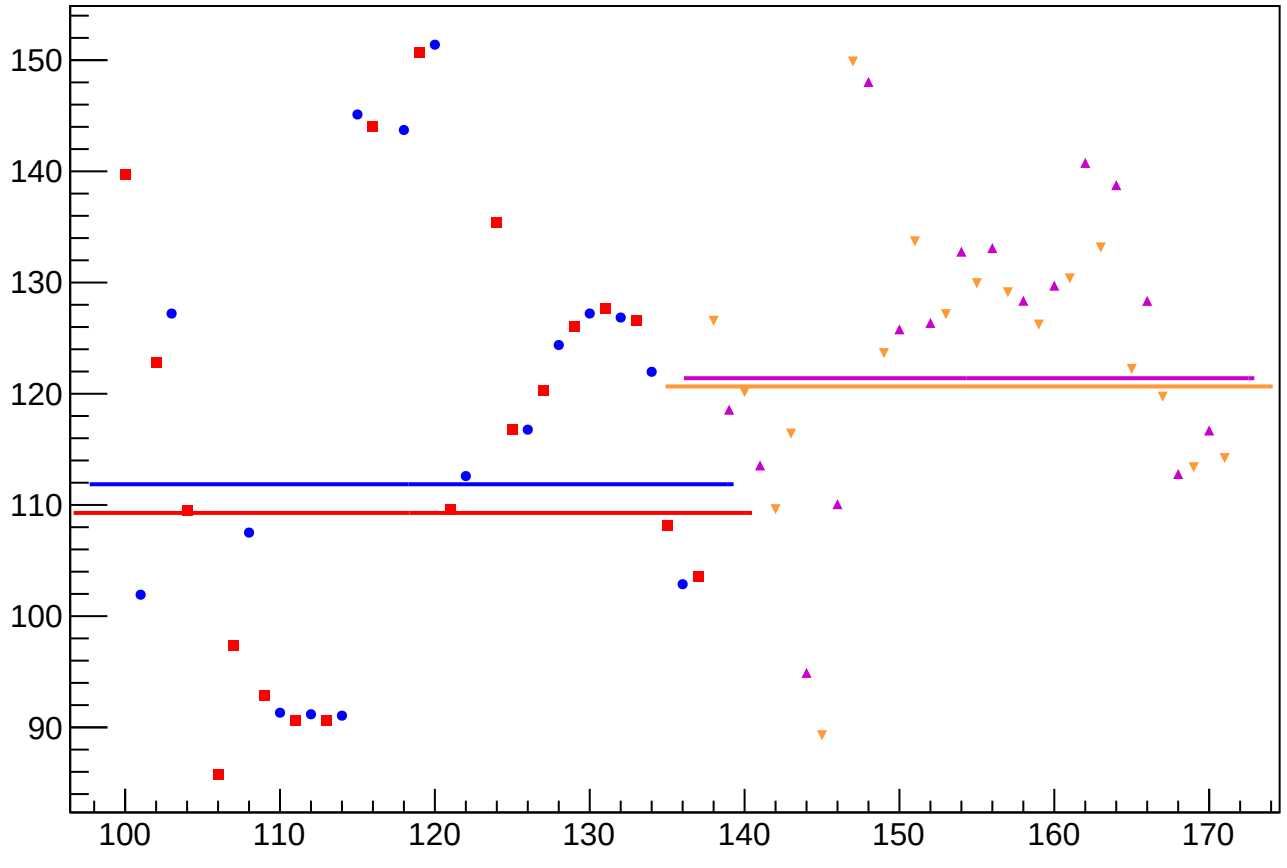
Left: 243.345+/-23.279 χ^2/NDF: 31.5/33

Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 183.933+/-26.307 χ^2/NDF:43.8/31

Out: 213.988+/-25.254 χ^2/NDF:26.9/36

All: 199.574+/-18.218 χ^2/NDF: 71.4/68



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: 121.397+/-0.024 χ^2/NDF:327993.9/15

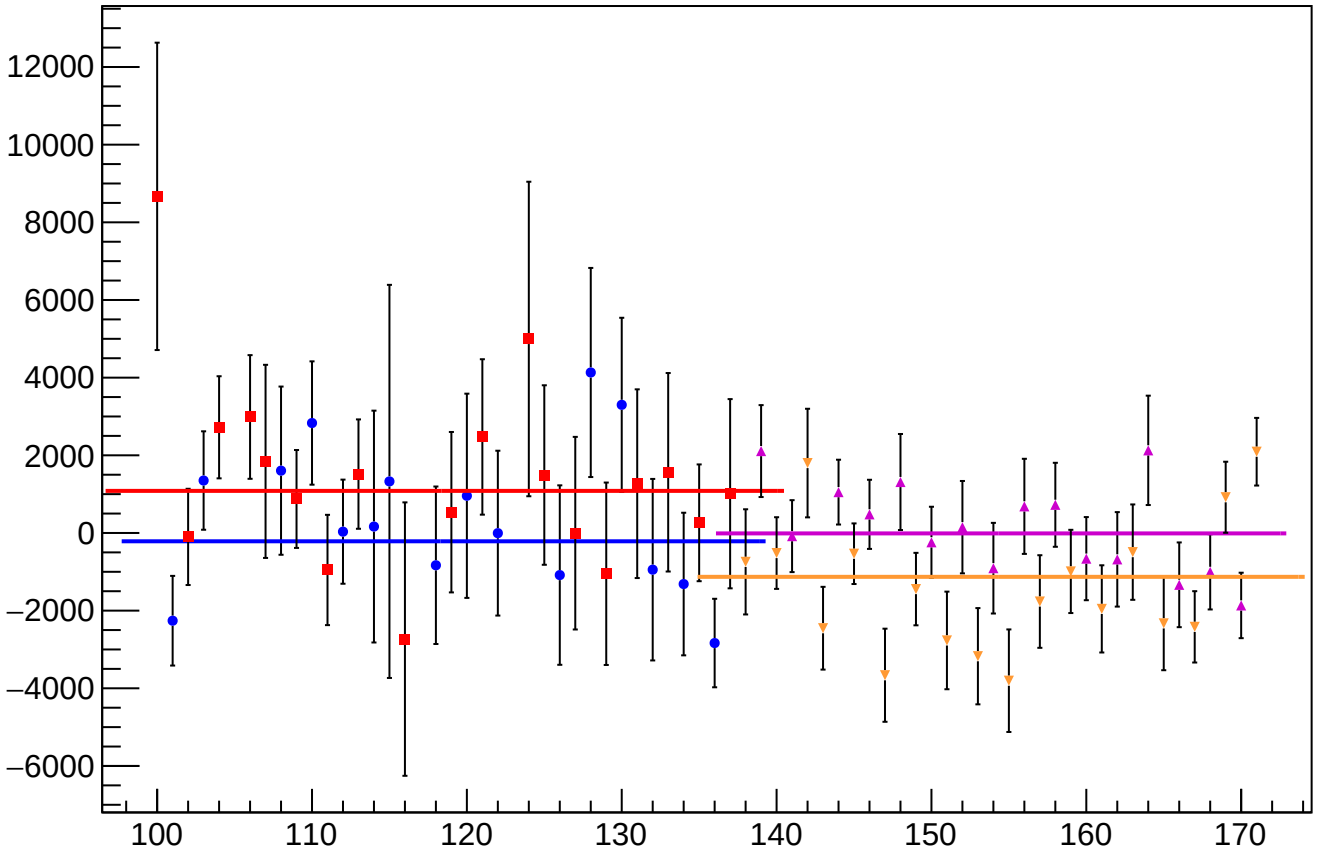
Left: 121.011+/-0.016 χ^2/NDF: 681009.1/33

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.680+/-0.019 χ^2/NDF:696519.1/31

Out: 116.274+/-0.018 χ^2/NDF:819321.1/36

All: 116.949+/-0.013 χ^2/NDF: 1518811.8/68



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: -11.027+/-260.351 χ^2/NDF:18.1/15

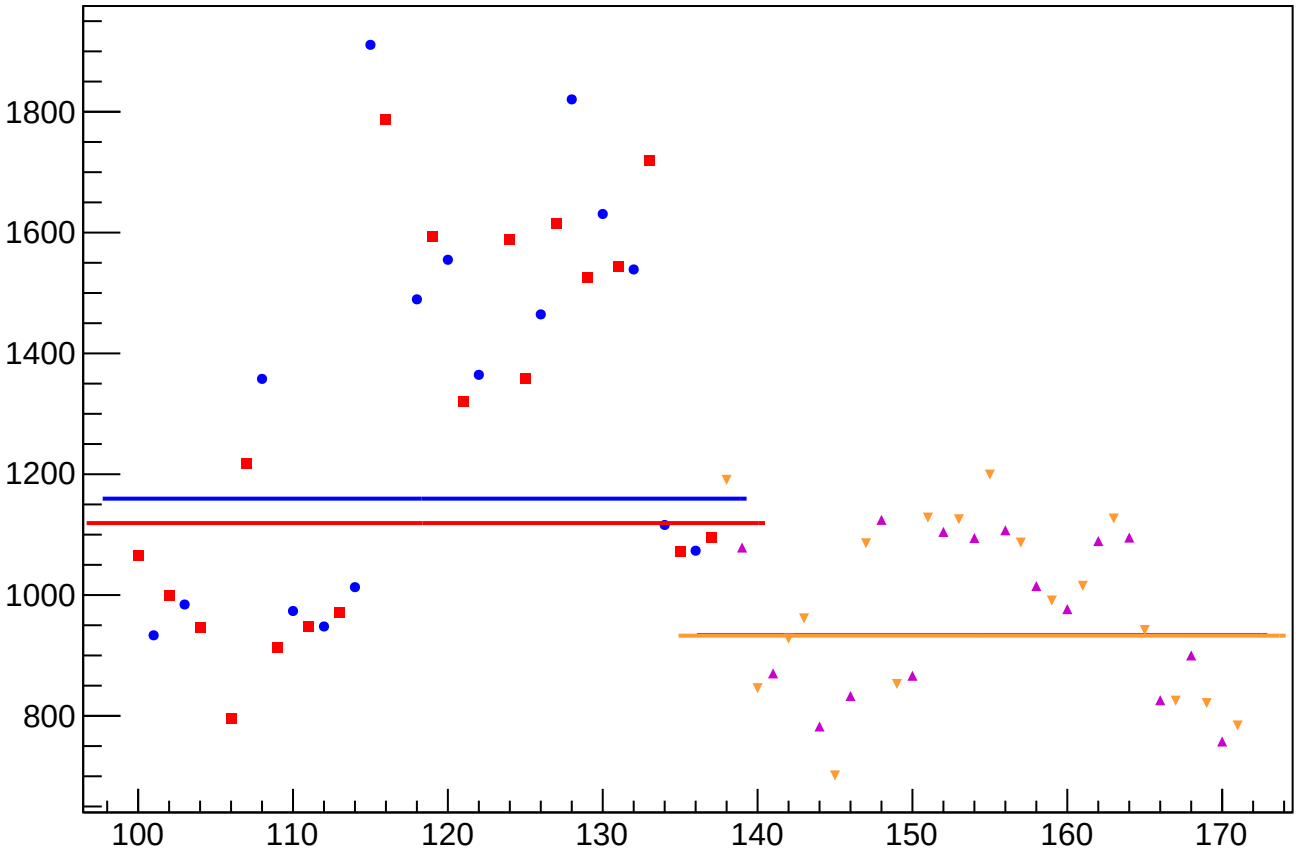
Left: -590.708+/-180.703 χ^2/NDF: 70.6/33

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -63.038+/-224.583 χ^2/NDF:38.7/31

Out: -554.651+/-215.969 χ^2/NDF:77.0/36

All: -318.453+/-155.669 χ^2/NDF: 118.2/68



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: 933.942+/-0.184 χ^2/NDF:491201.0/15

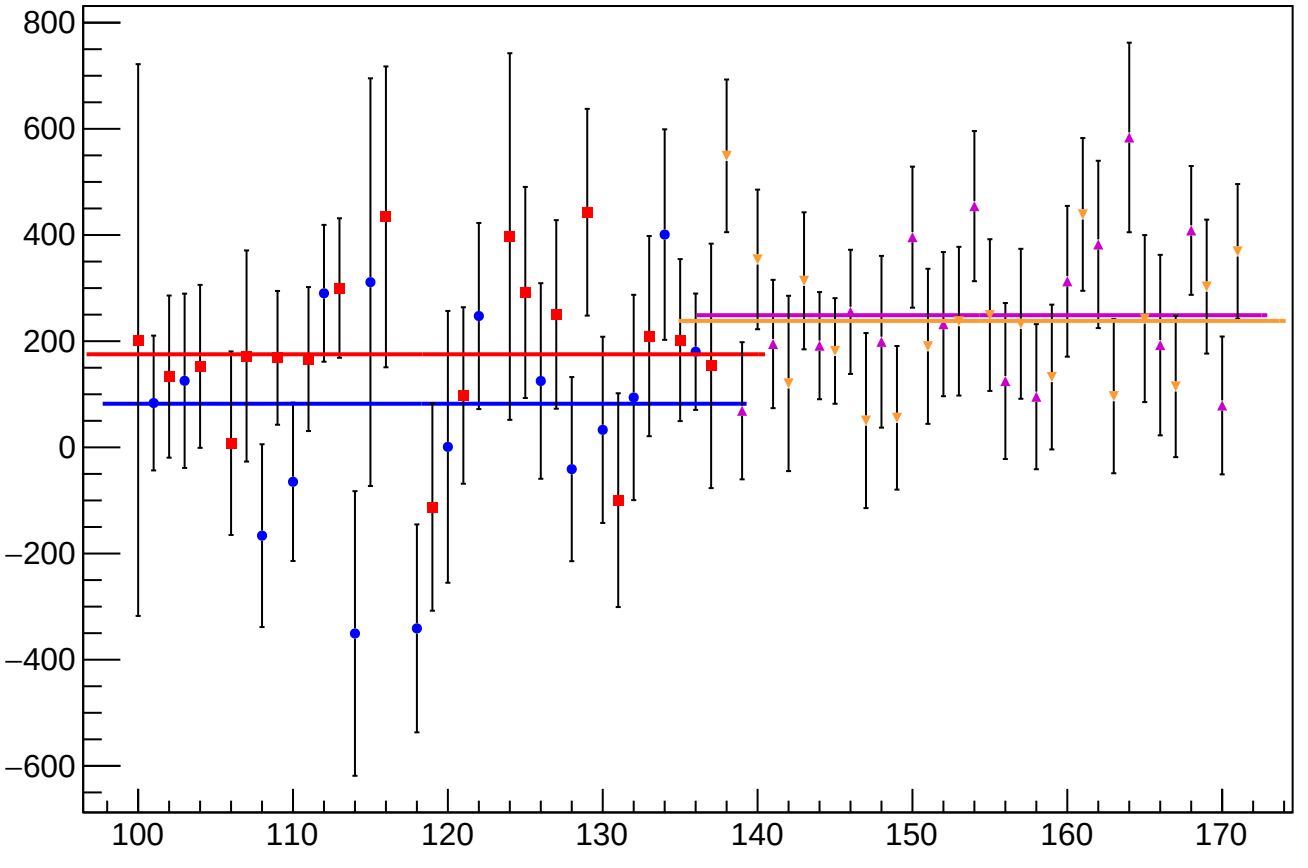
Left: 933.330+/-0.128 χ^2/NDF: 1199790.4/33

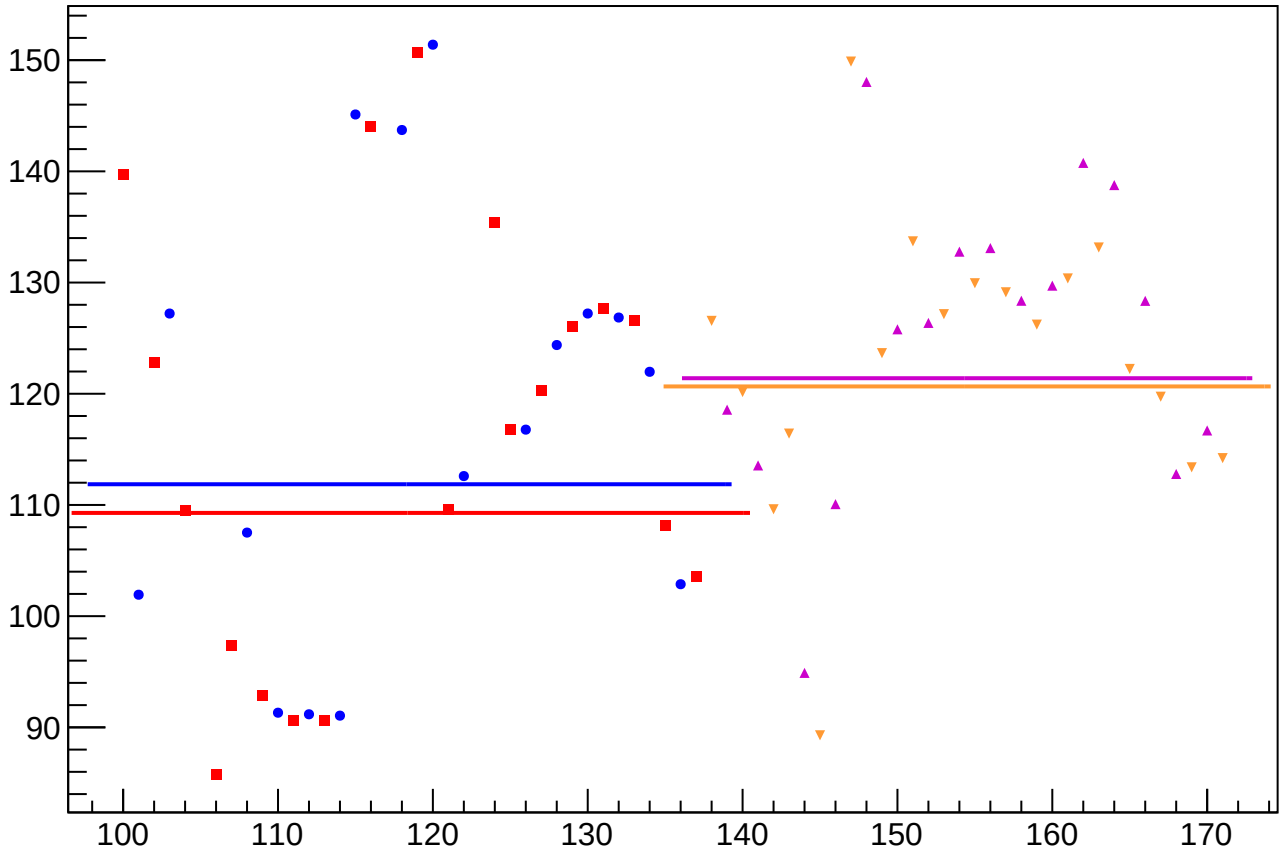
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 991.680+/-0.159 χ^2/NDF:1559258.7/31

Out: 981.172+/-0.153 χ^2/NDF:1798153.5/36

All: 986.221+/-0.110 χ^2/NDF: 3359686.9/68


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: 248.940+/-33.678 χ²/NDF:15.9/15
Left: 243.345+/-23.279 χ²/NDF: 31.5/33
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 183.933+/-26.307 χ²/NDF:43.8/31
Out: 213.988+/-25.254 χ²/NDF:26.9/36
All: 199.574+/-18.218 χ²/NDF: 71.4/68



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: 121.397+/-0.024 χ^2/NDF:327993.9/15

Left: 121.011+/-0.016 χ^2/NDF: 681009.1/33

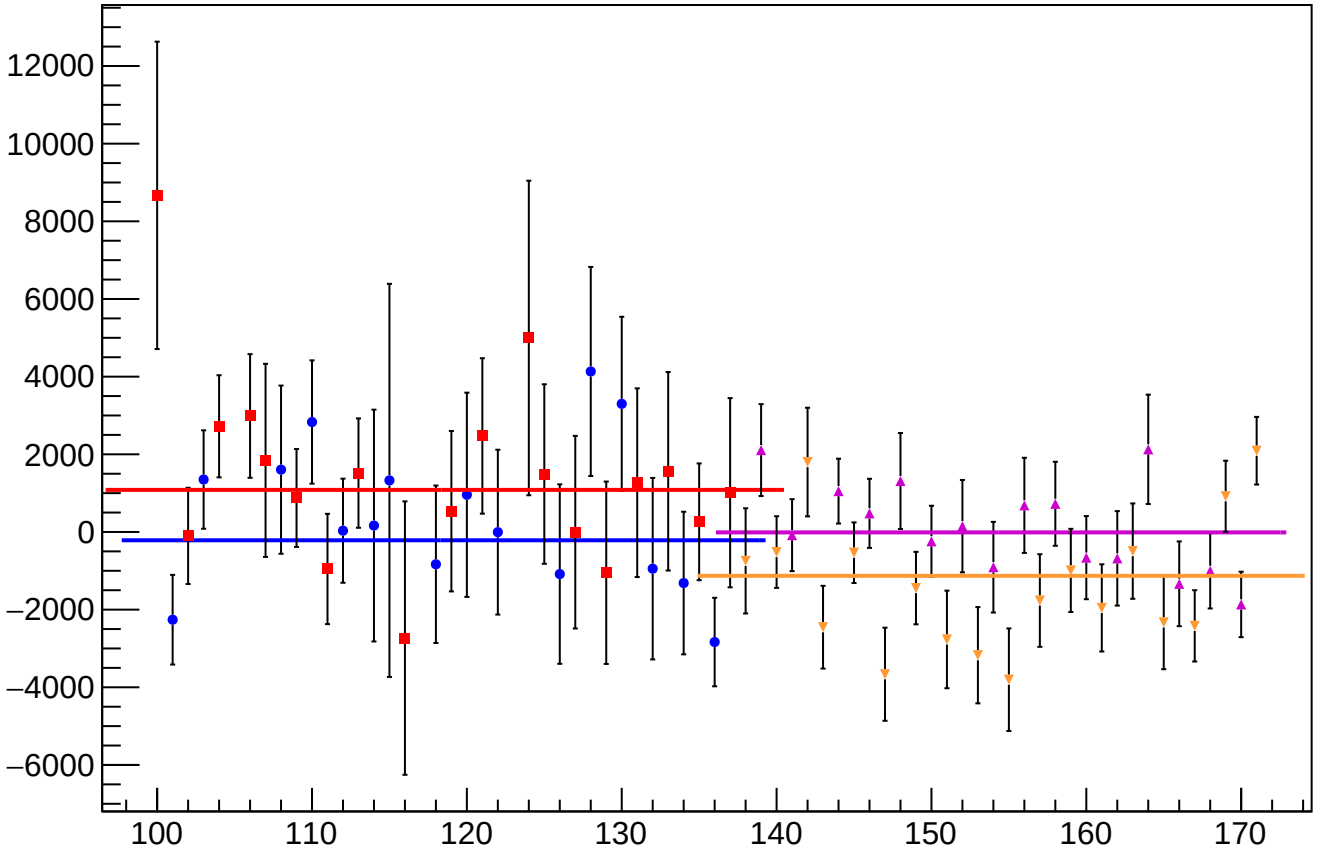
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.680+/-0.019 χ^2/NDF:696519.1/31

Out: 116.274+/-0.018 χ^2/NDF:819321.1/36

All: 116.949+/-0.013 χ^2/NDF: 1518811.8/68

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: -11.027+/-260.351 χ^2/NDF:18.1/15

Left: -590.708+/-180.703 χ^2/NDF: 70.6/33

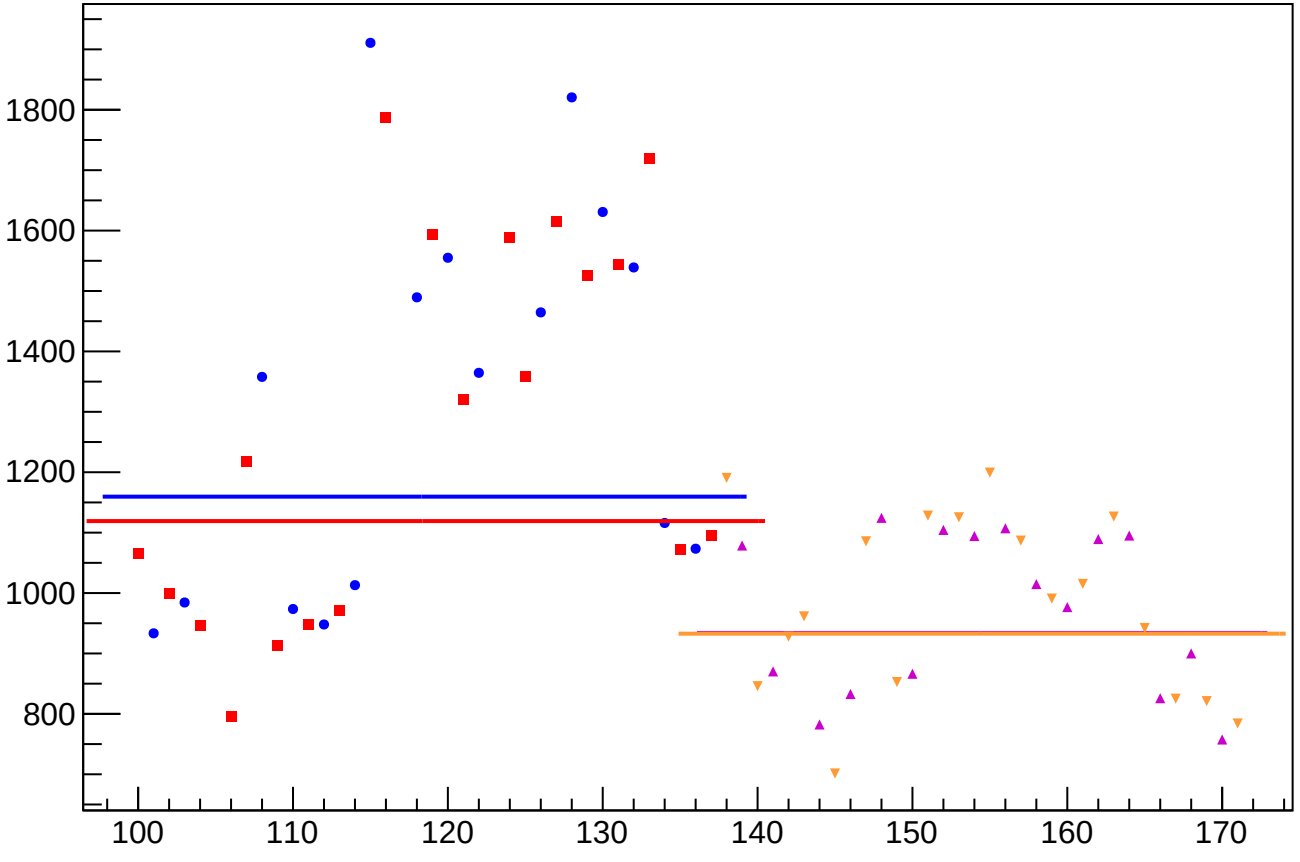
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: -63.038+/-224.583 χ^2/NDF:38.7/31

Out: -554.651+/-215.969 χ^2/NDF:77.0/36

All: -318.453+/-155.669 χ^2/NDF: 118.2/68

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: 933.942+/-0.184 χ^2/NDF:491201.0/15

Left: 933.330+/-0.128 χ^2/NDF: 1199790.4/33

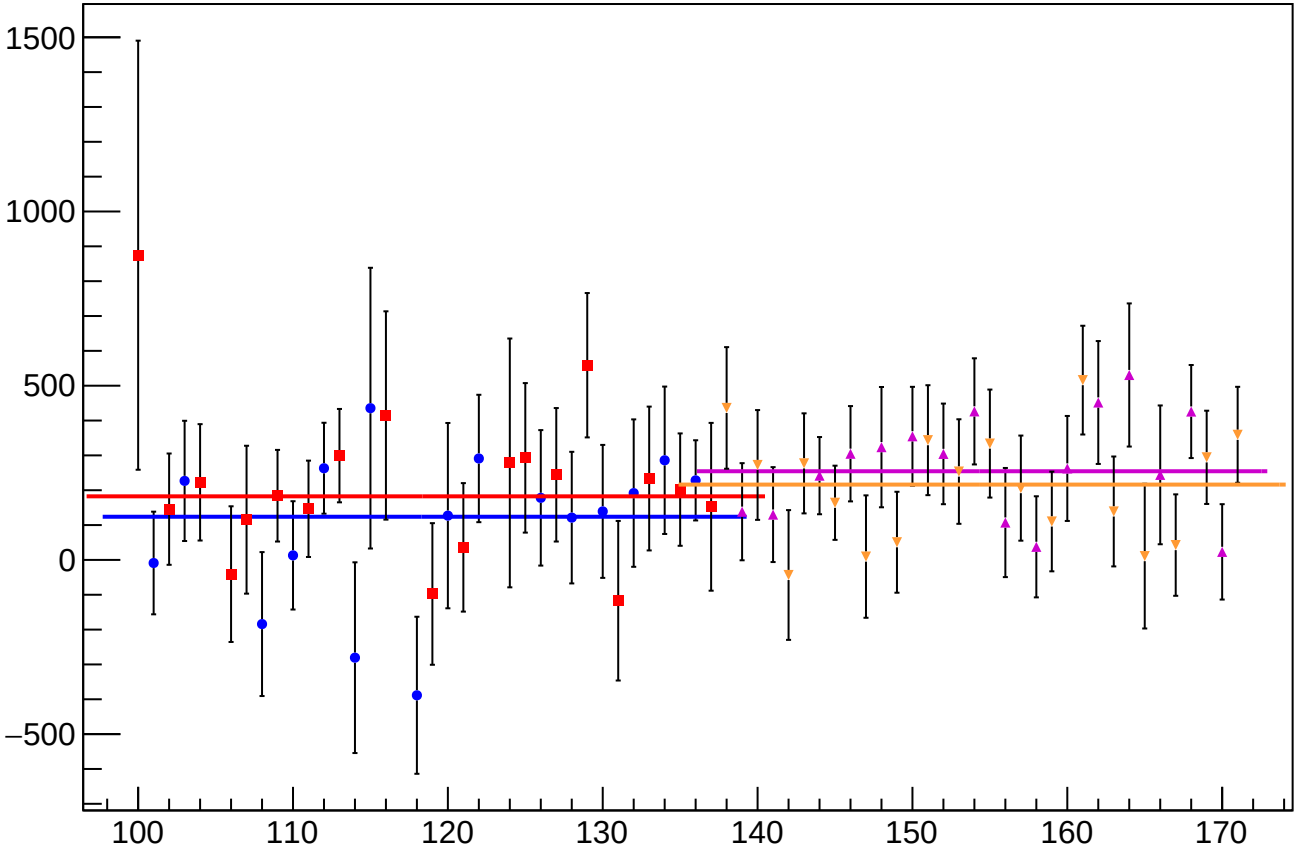
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 991.680+/-0.159 χ^2/NDF:1559258.7/31

Out: 981.172+/-0.153 χ^2/NDF:1798153.5/36

All: 986.221+/-0.110 χ^2/NDF: 3359686.9/68

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



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: 254.498+/-36.826 χ^2/NDF:14.4/15

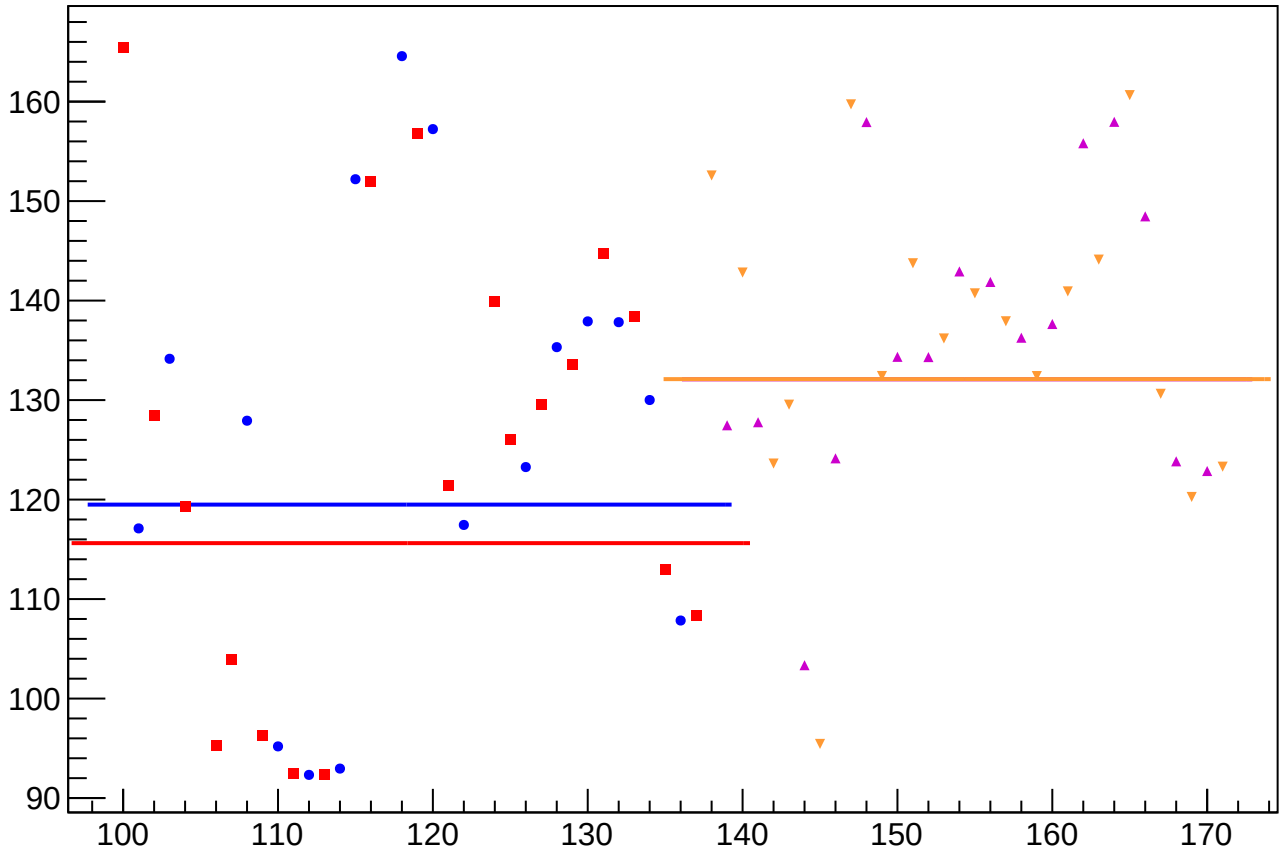
Left: 234.589+/-25.521 χ^2/NDF: 31.3/33

Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 202.444+/-28.559 χ^2/NDF:34.9/31

Out: 202.652+/-27.388 χ^2/NDF:29.0/36

All: 202.552+/-19.767 χ^2/NDF: 63.9/68



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: 132.084+/-0.026 χ^2/NDF:311791.1/15

Left: 132.096+/-0.018 χ^2/NDF: 741295.2/33

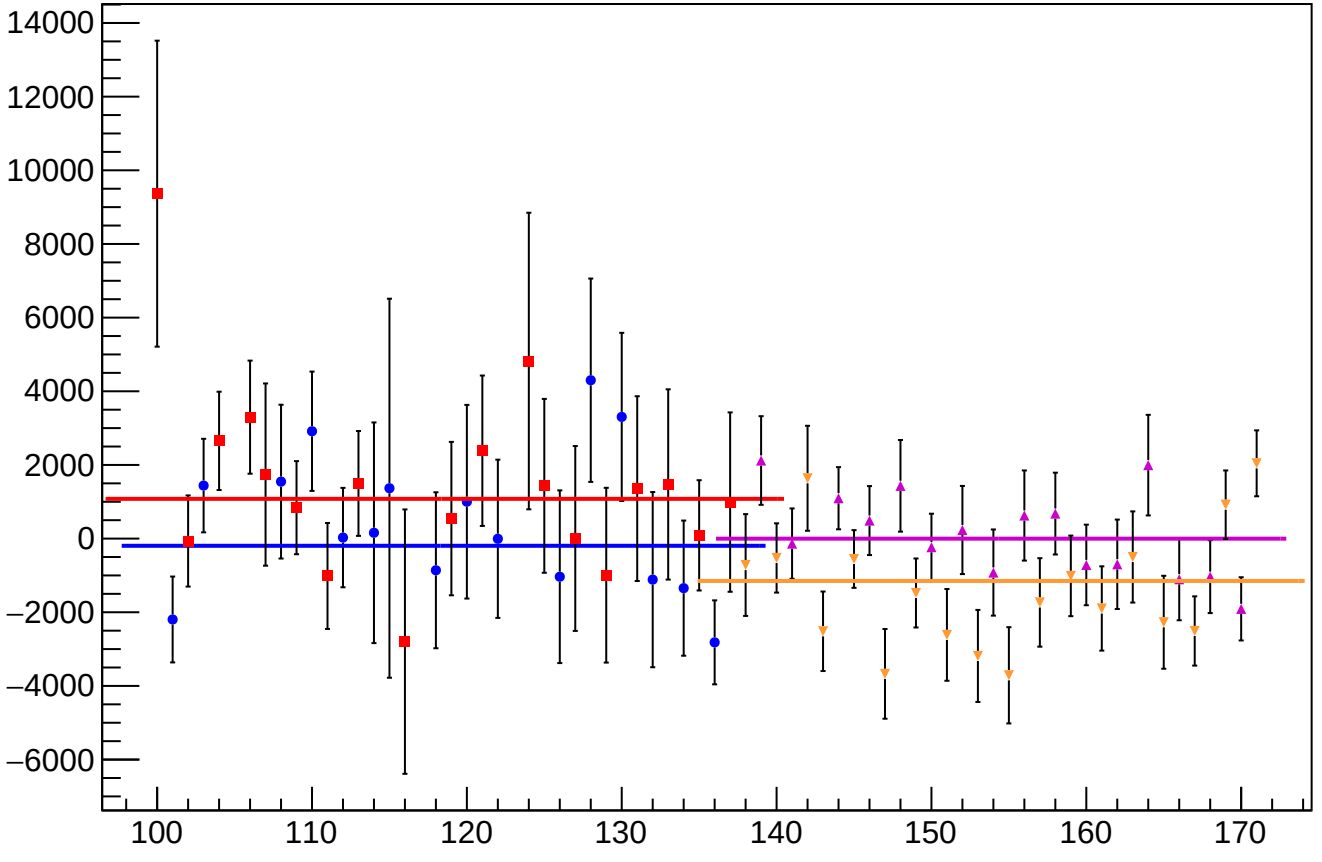
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 127.066+/-0.020 χ^2/NDF:785202.3/31

Out: 125.488+/-0.019 χ^2/NDF:1030570.7/36

All: 126.244+/-0.014 χ^2/NDF: 1818954.8/68

asym_sam_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.086+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1150.275+/-254.588 χ^2/NDF:40.4/17

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: -1.621+/-264.161 χ^2/NDF:17.7/15

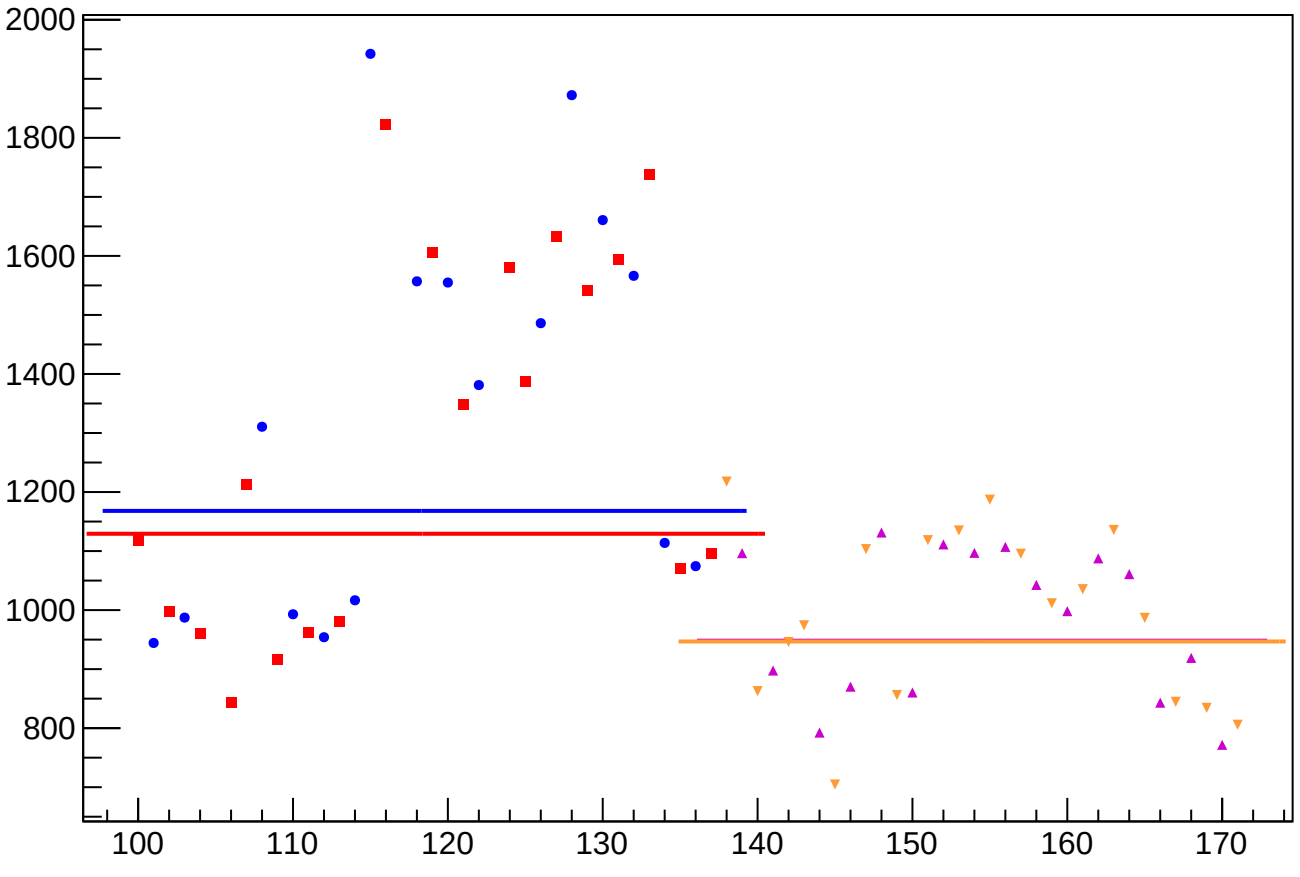
Left: -597.138+/-183.312 χ^2/NDF: 67.8/33

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -51.642+/-227.461 χ^2/NDF:38.2/31

Out: -563.405+/-218.529 χ^2/NDF:75.1/36

All: -317.769+/-157.587 χ^2/NDF: 116.0/68



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: 948.201+/-0.187 χ^2/NDF:445702.9/15

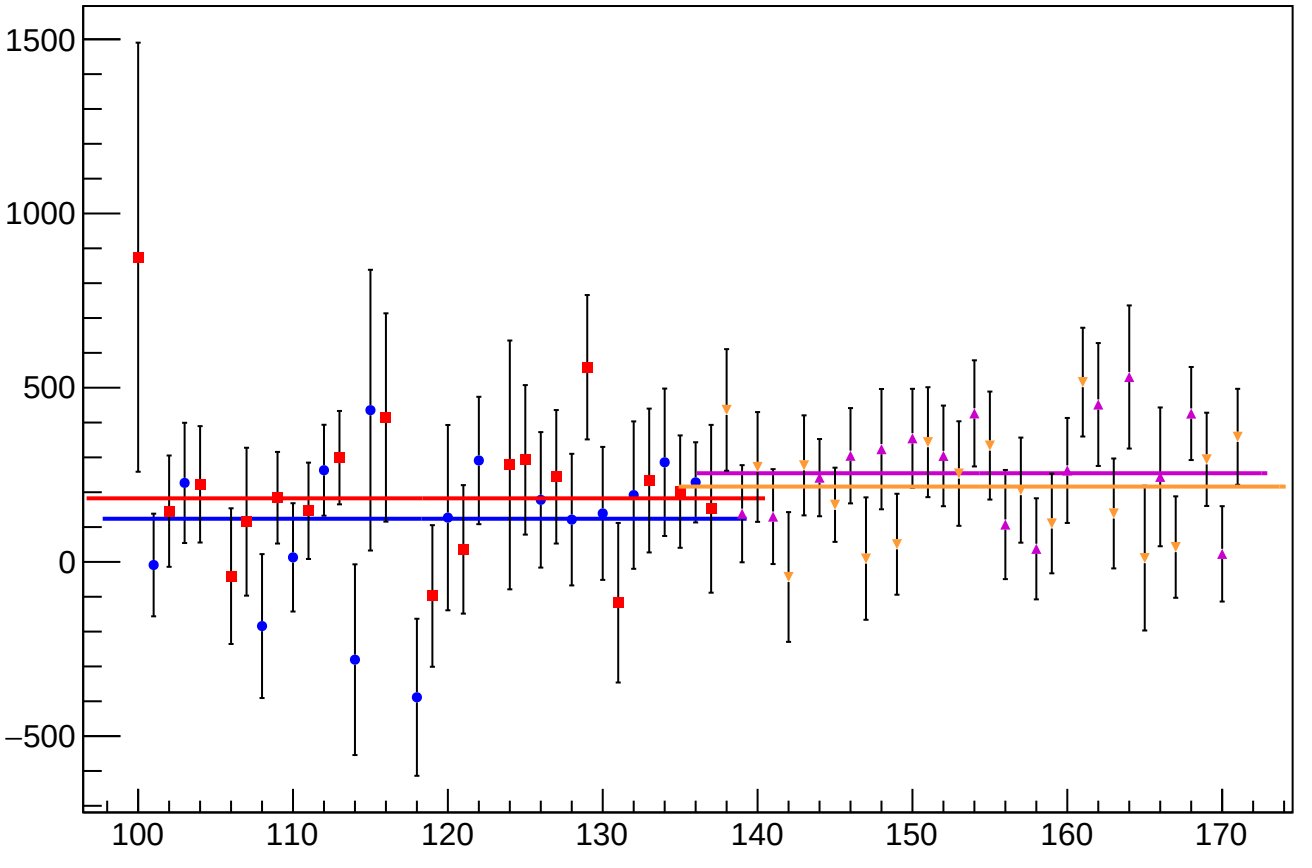
Left: 947.495+/-0.130 χ^2/NDF: 1134428.0/33

Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 1005.048+/-0.161 χ^2/NDF:1513281.7/31

Out: 994.869+/-0.155 χ^2/NDF:1766360.4/36

All: 999.755+/-0.111 χ^2/NDF: 3281724.5/68



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: 254.500+/-36.826 χ^2/NDF:14.4/15

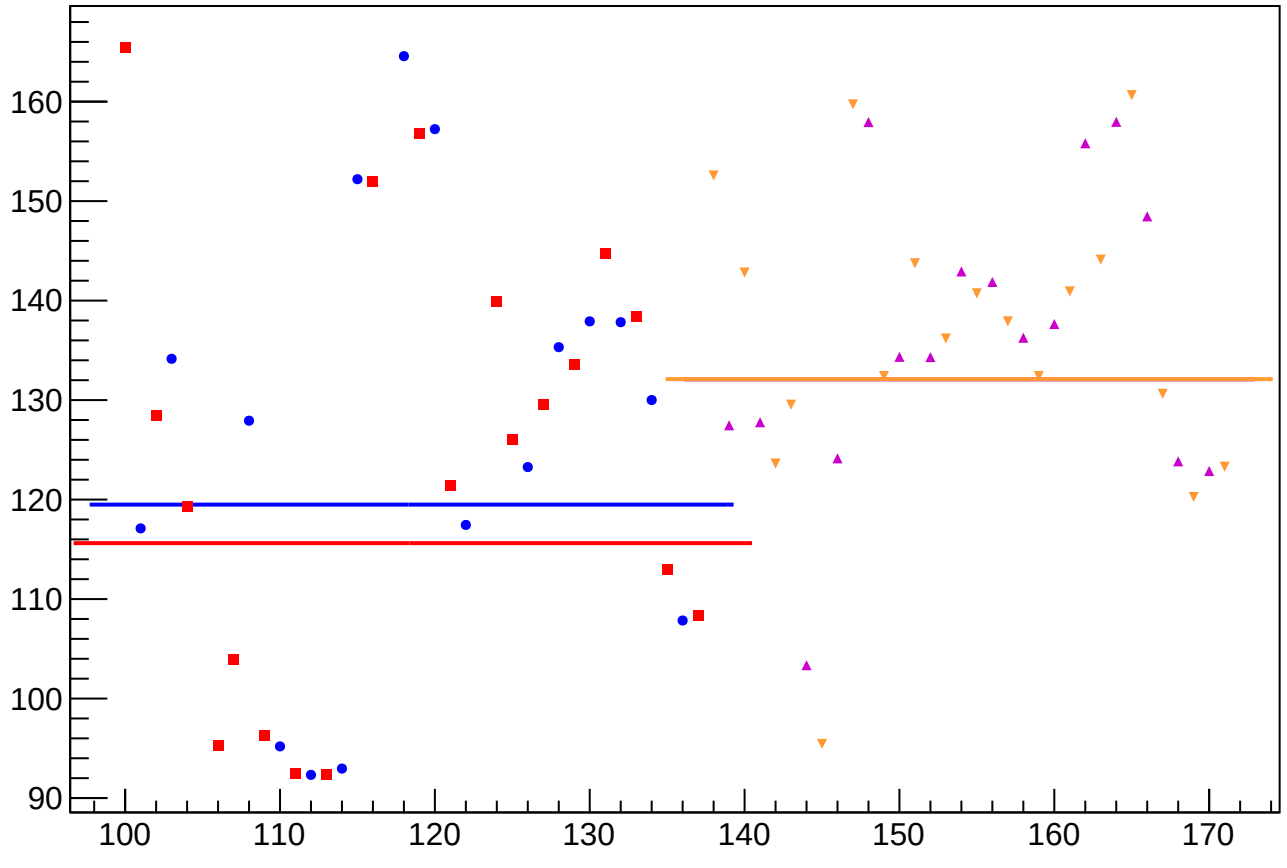
Left: 234.591+/-25.521 χ^2/NDF: 31.3/33

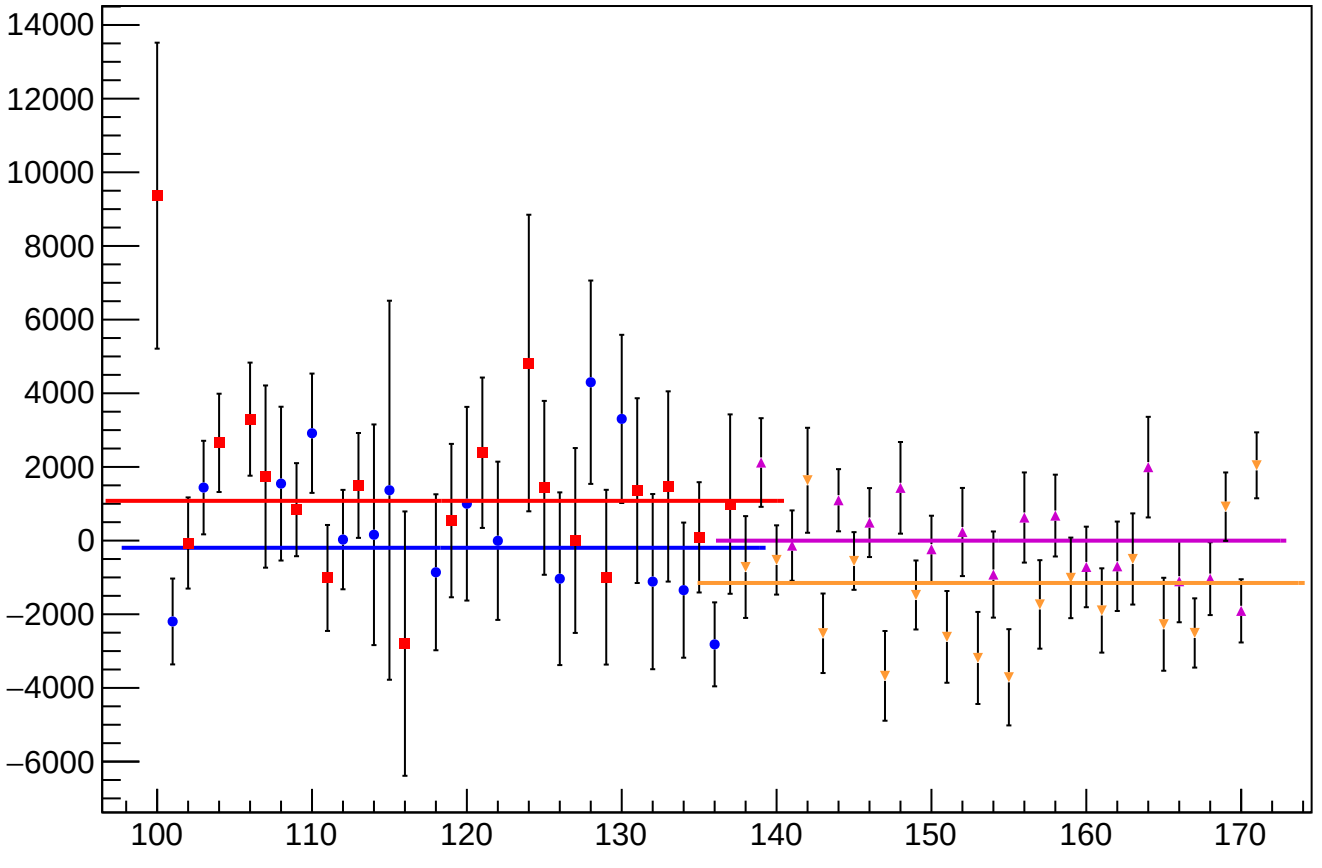
Right: 154.514+/-31.252 χ^2/NDF: 28.6/34

In: 202.446+/-28.559 χ^2/NDF:34.9/31

Out: 202.653+/-27.388 χ^2/NDF:29.0/36

All: 202.554+/-19.767 χ^2/NDF: 63.9/68


eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected
160
150
140
130
120
110
100
90
100
110
120
130
140
150
160
170
Right In: 119.495+/-0.032 χ²/NDF: 380254.2/15
Left Out: 132.106+/-0.025 χ²/NDF:429504.8/17
Right Out: 115.622+/-0.031 χ²/NDF: 426966.4/18
Left In: 132.084+/-0.026 χ²/NDF:311791.6/15
Left: 132.096+/-0.018 χ²/NDF: 741296.8/33
Right: 117.470+/-0.022 χ²/NDF: 814883.4/34
In: 127.066+/-0.020 χ²/NDF:785206.1/31
Out: 125.488+/-0.019 χ²/NDF:1030578.6/36
All: 126.244+/-0.014 χ²/NDF: 1818966.6/68



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1150.273+/-254.588 χ^2/NDF:40.4/17

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: -1.622+/-264.160 χ^2/NDF:17.7/15

Left: -597.137+/-183.312 χ^2/NDF: 67.8/33

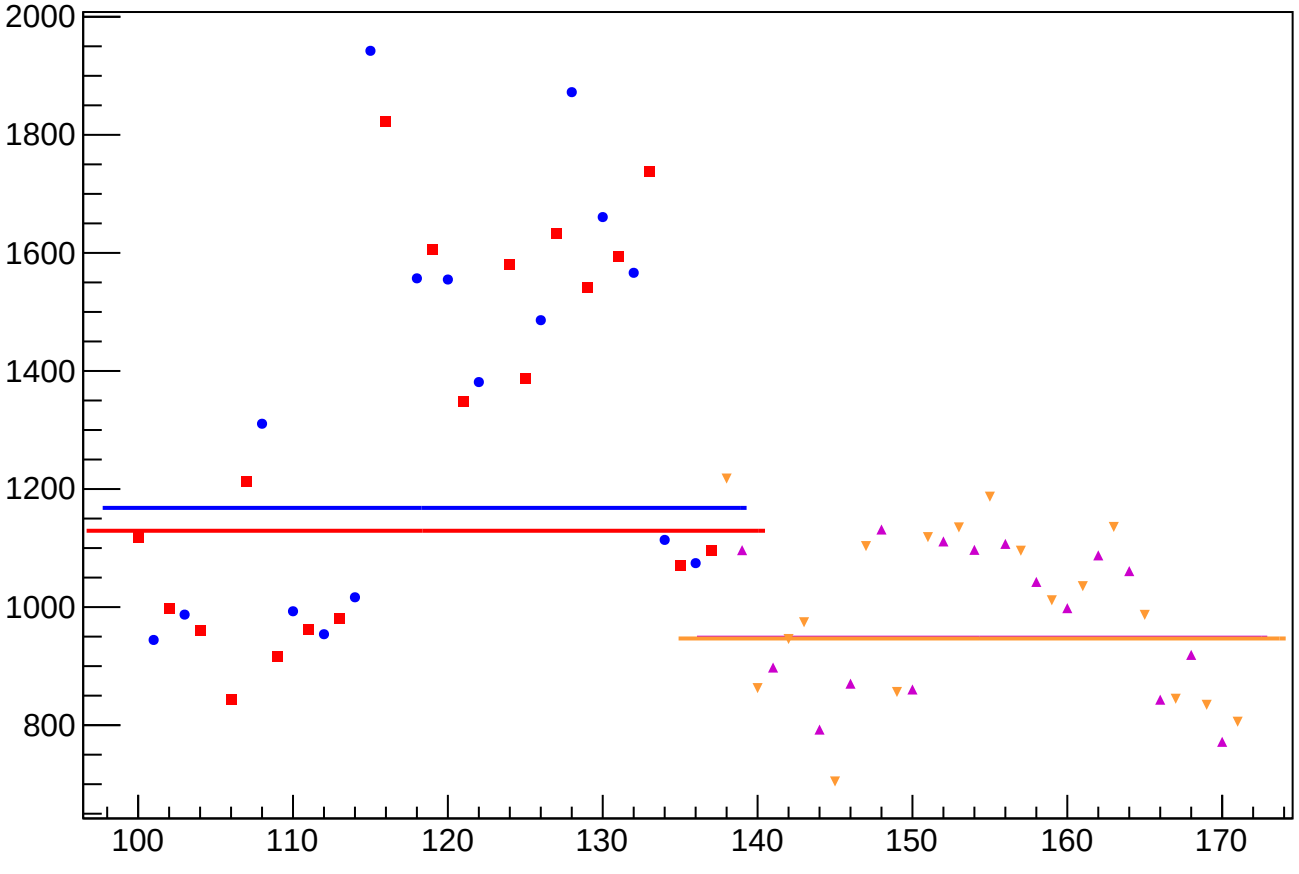
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: -51.643+/-227.461 χ^2/NDF:38.2/31

Out: -563.403+/-218.529 χ^2/NDF:75.1/36

All: -317.768+/-157.587 χ^2/NDF: 116.0/68

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: 948.201+/-0.187 χ^2/NDF:445704.6/15

Left: 947.495+/-0.130 χ^2/NDF: 1134434.3/33

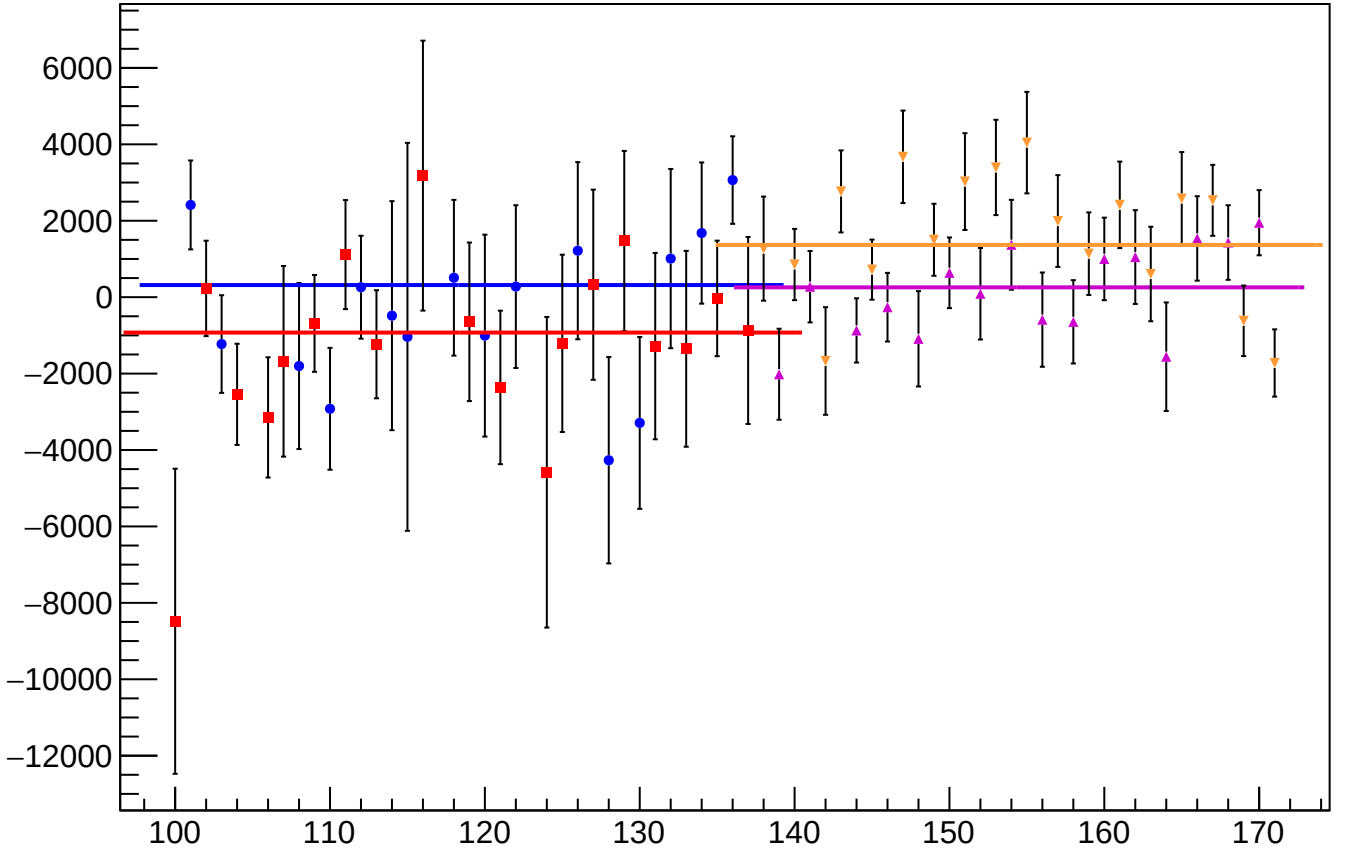
Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 1005.047+/-0.161 χ^2/NDF:1513287.7/31

Out: 994.869+/-0.155 χ^2/NDF:1766368.4/36

All: 999.754+/-0.111 χ^2/NDF: 3281738.6/68

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: 257.279+/-262.643 χ^2/NDF:18.4/15

Left: 832.463+/-182.282 χ^2/NDF: 68.2/33

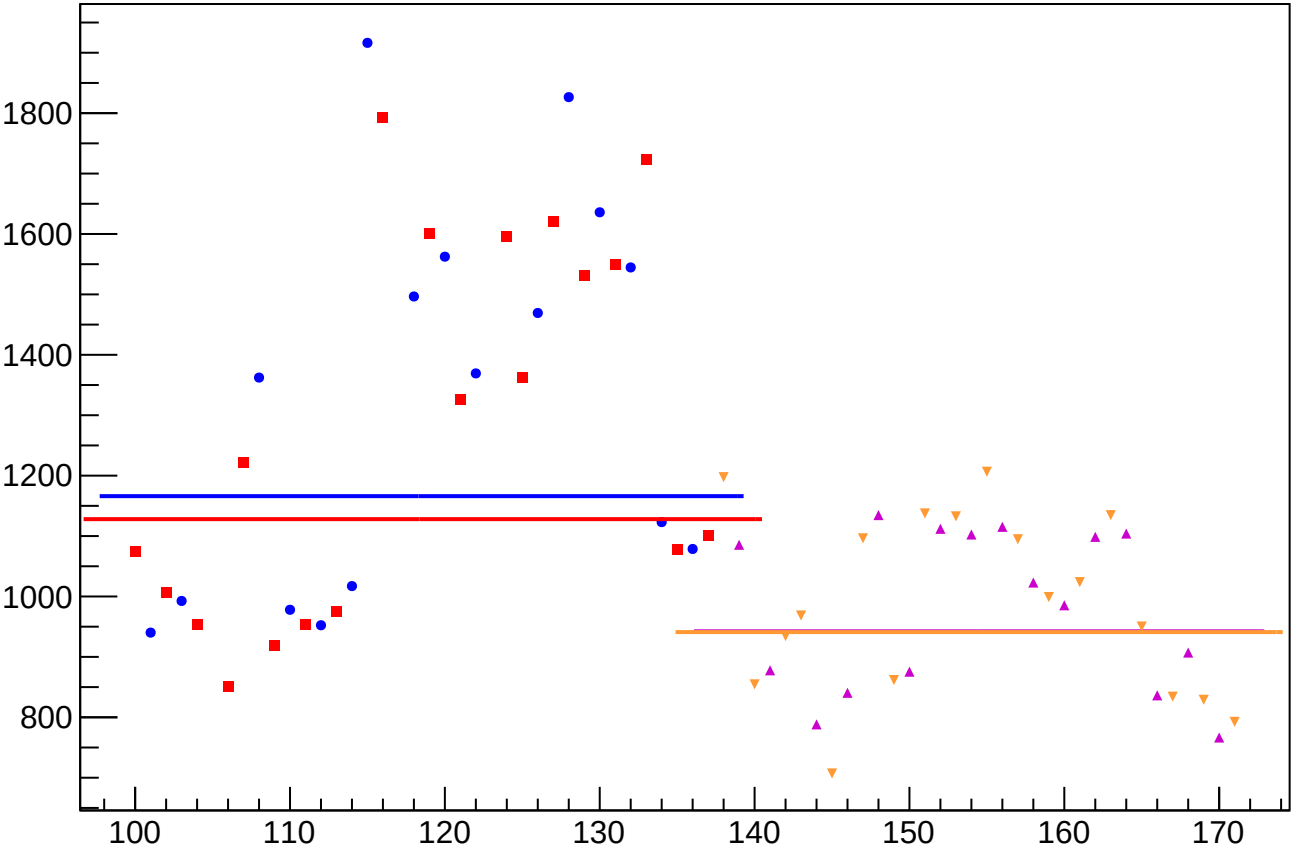
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 272.733+/-226.361 χ^2/NDF:40.6/31

Out: 767.193+/-217.570 χ^2/NDF:76.5/36

All: 529.752+/-156.861 χ^2/NDF: 119.6/68

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: 942.345+/-0.186 χ^2/NDF:484422.7/15

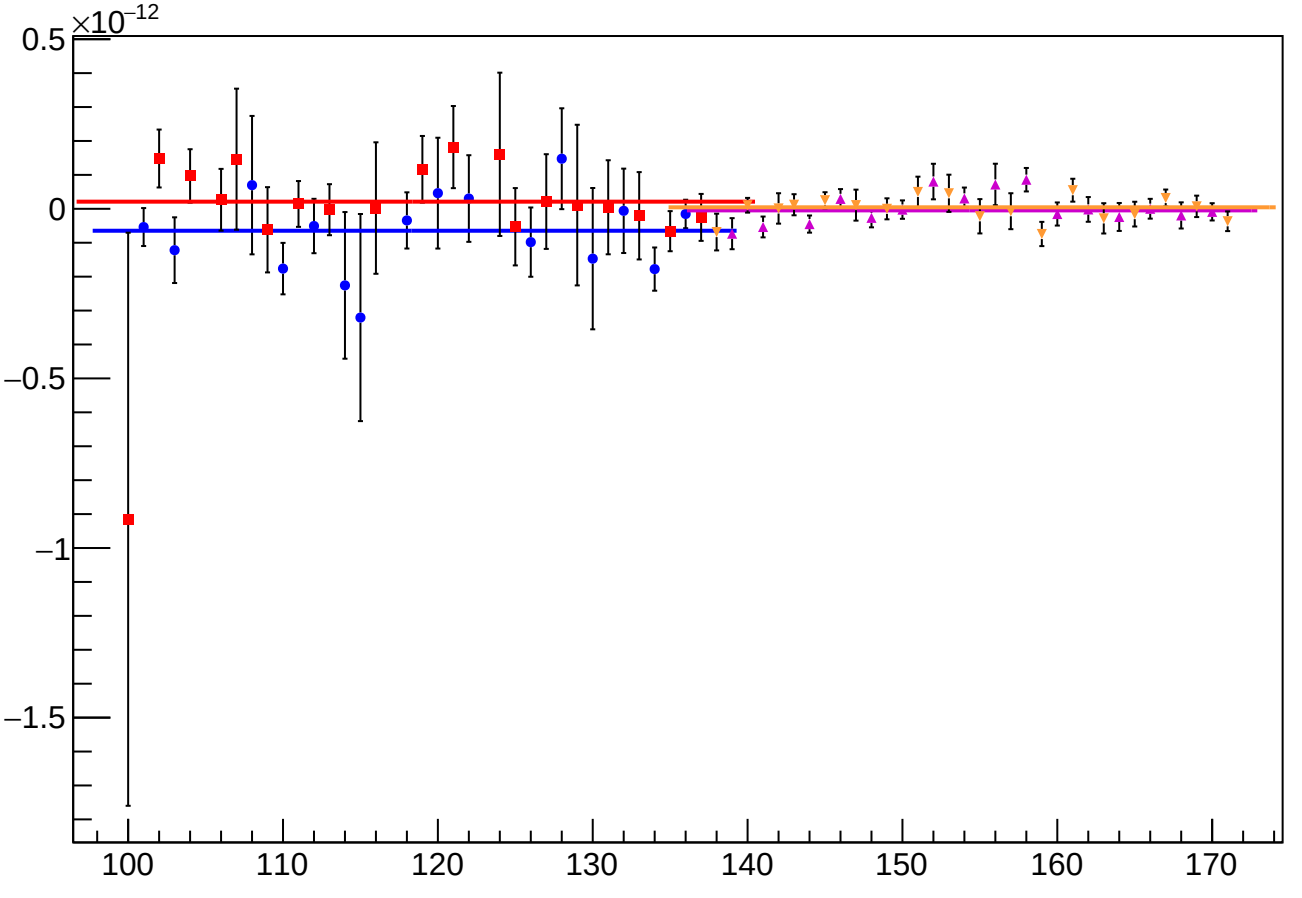
Left: 941.682+/-0.129 χ^2/NDF: 1184191.1/33

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 999.884+/-0.160 χ^2/NDF:1534687.9/31

Out: 989.965+/-0.154 χ^2/NDF:1760703.0/36

All: 994.728+/-0.111 χ^2/NDF: 3297387.1/68



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:22.1/15

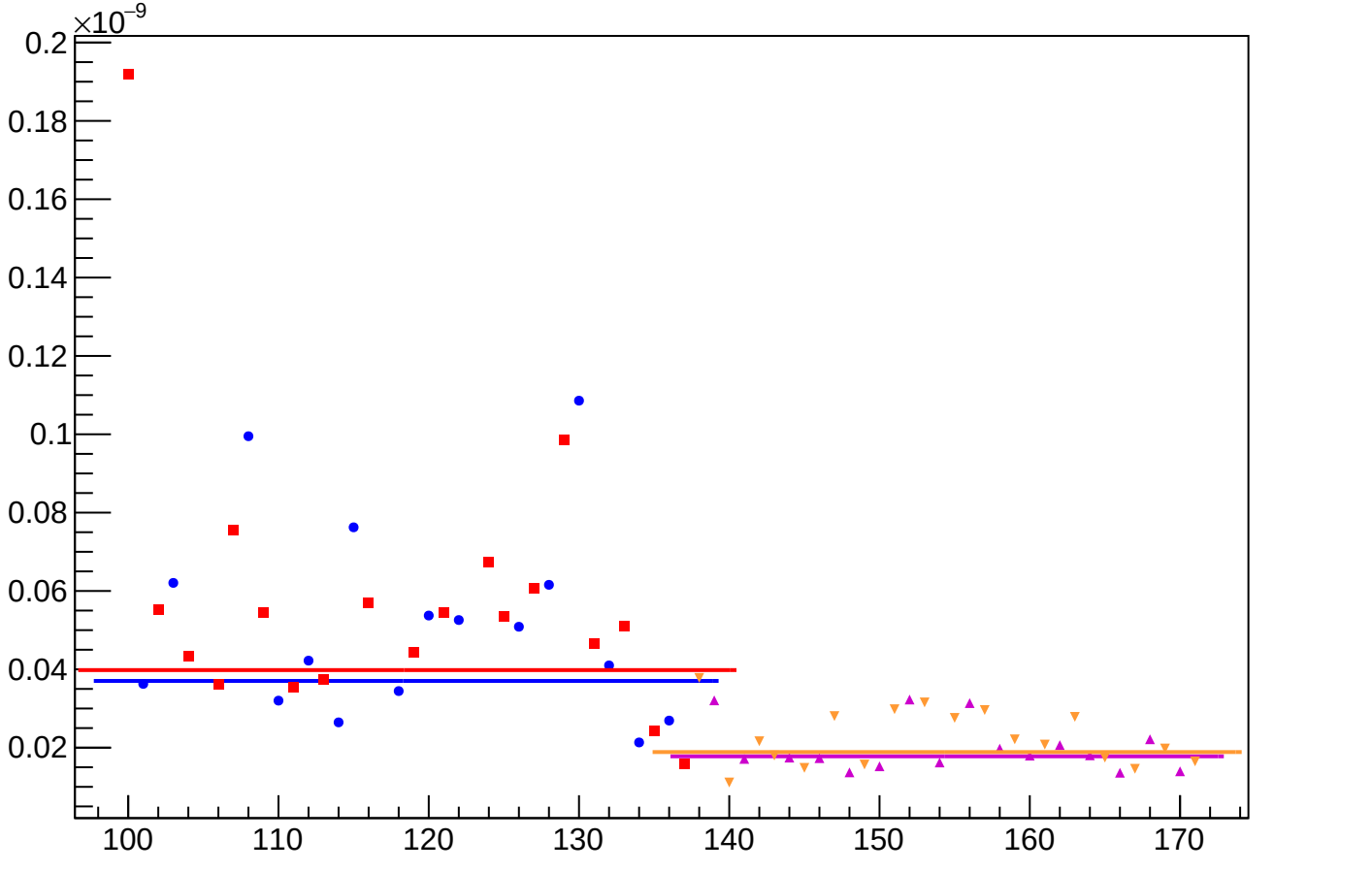
Left: -0.000+/-0.000 χ^2/NDF: 38.5/33

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:41.2/31

Out: 0.000+/-0.000 χ^2/NDF:27.8/36

All: -0.000+/-0.000 χ^2/NDF: 71.8/68



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:643789.2/15

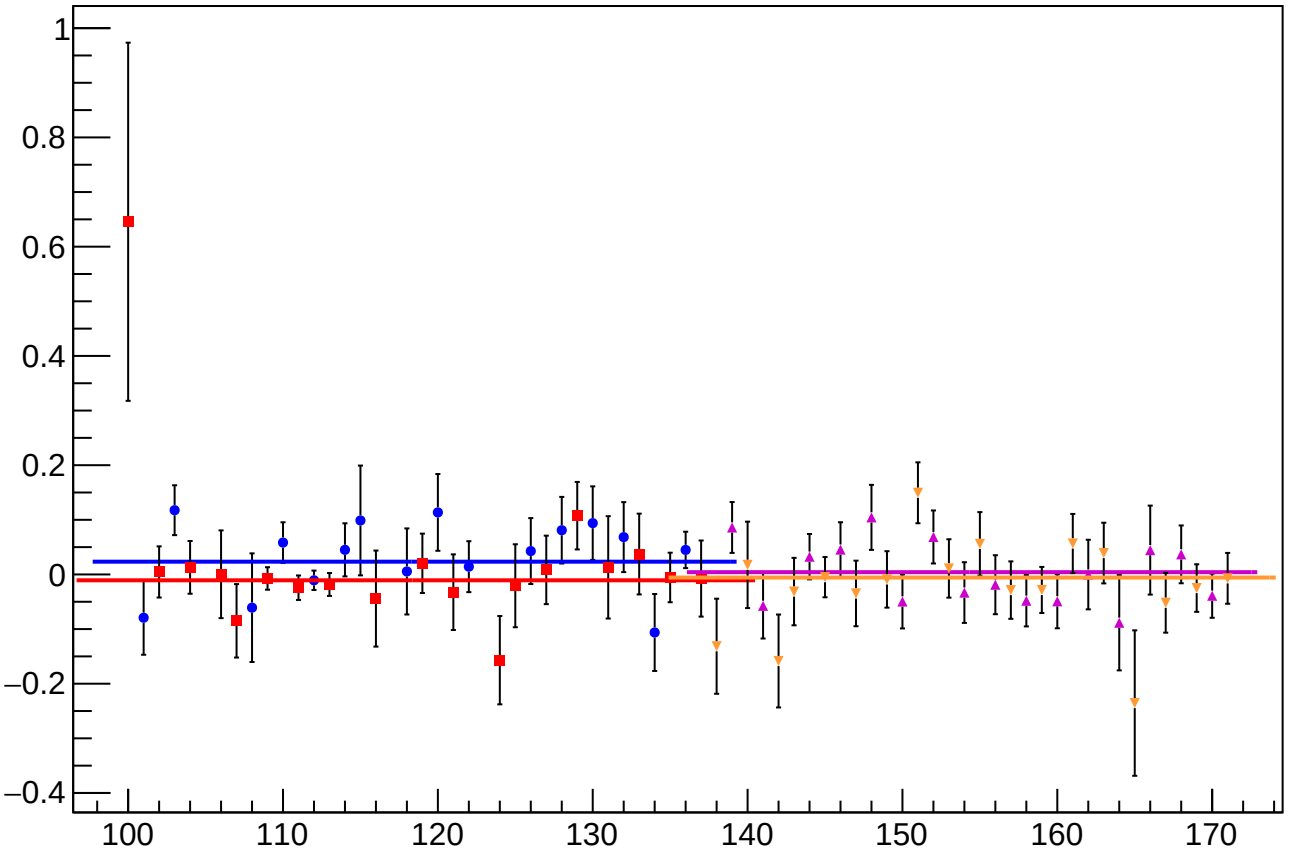
Left: 0.000+/-0.000 χ^2/NDF: 1877693.3/33

Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3001393.7/31

Out: 0.000+/-0.000 χ^2/NDF:3583202.4/36

All: 0.000+/-0.000 χ^2/NDF: 6600783.0/68



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: 0.004+/-0.013 χ^2/NDF:17.0/15

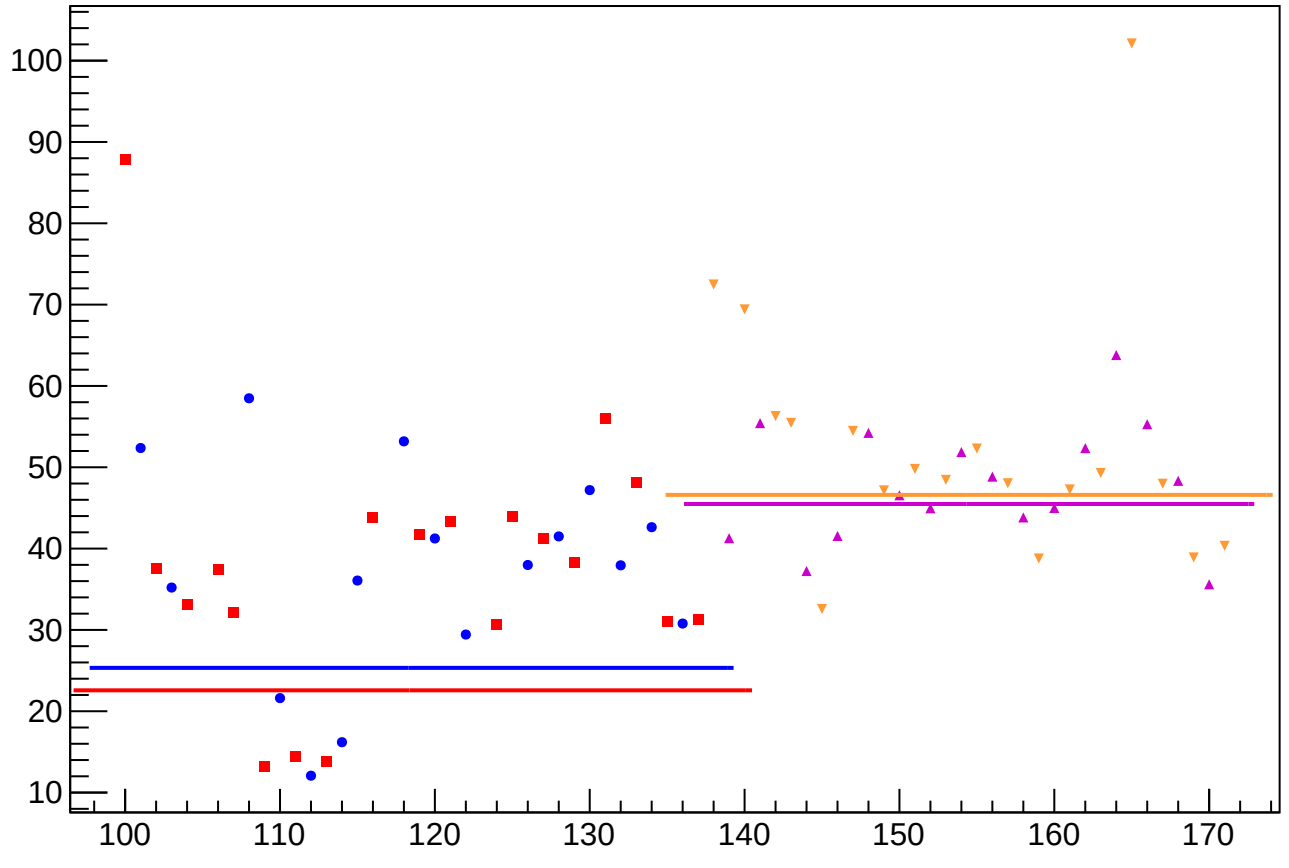
Left: -0.001+/-0.009 χ^2/NDF: 38.4/33

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/36

All: 0.002+/-0.006 χ^2/NDF: 78.9/68



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: 45.486+/-0.009 χ^2/NDF:509328.0/15

Left: 46.053+/-0.006 χ^2/NDF: 1802704.6/33

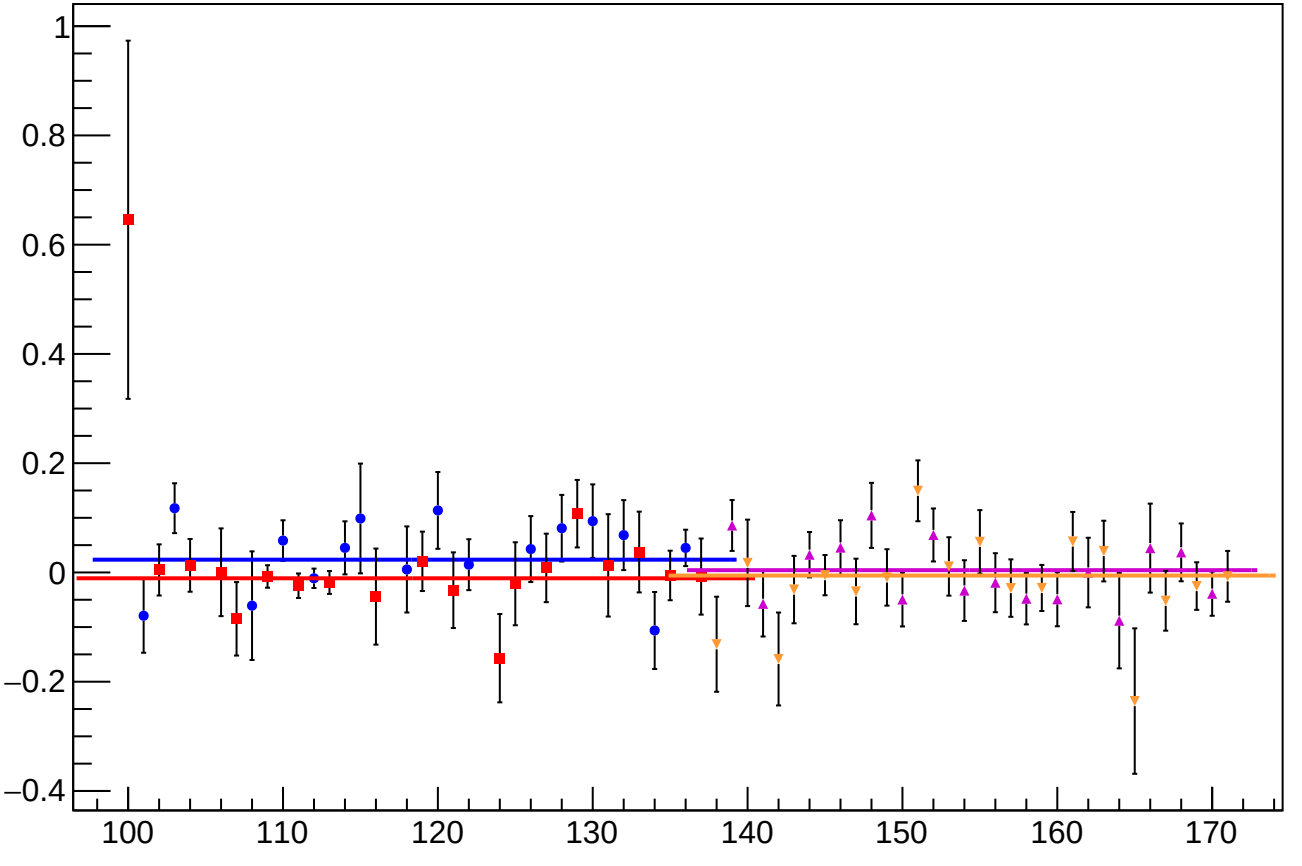
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.757+/-0.006 χ^2/NDF:6205574.4/31

Out: 31.377+/-0.006 χ^2/NDF:8830929.4/36

All: 32.473+/-0.004 χ^2/NDF: 15122260.3/68

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: 0.004+/-0.013 χ^2/NDF:17.0/15

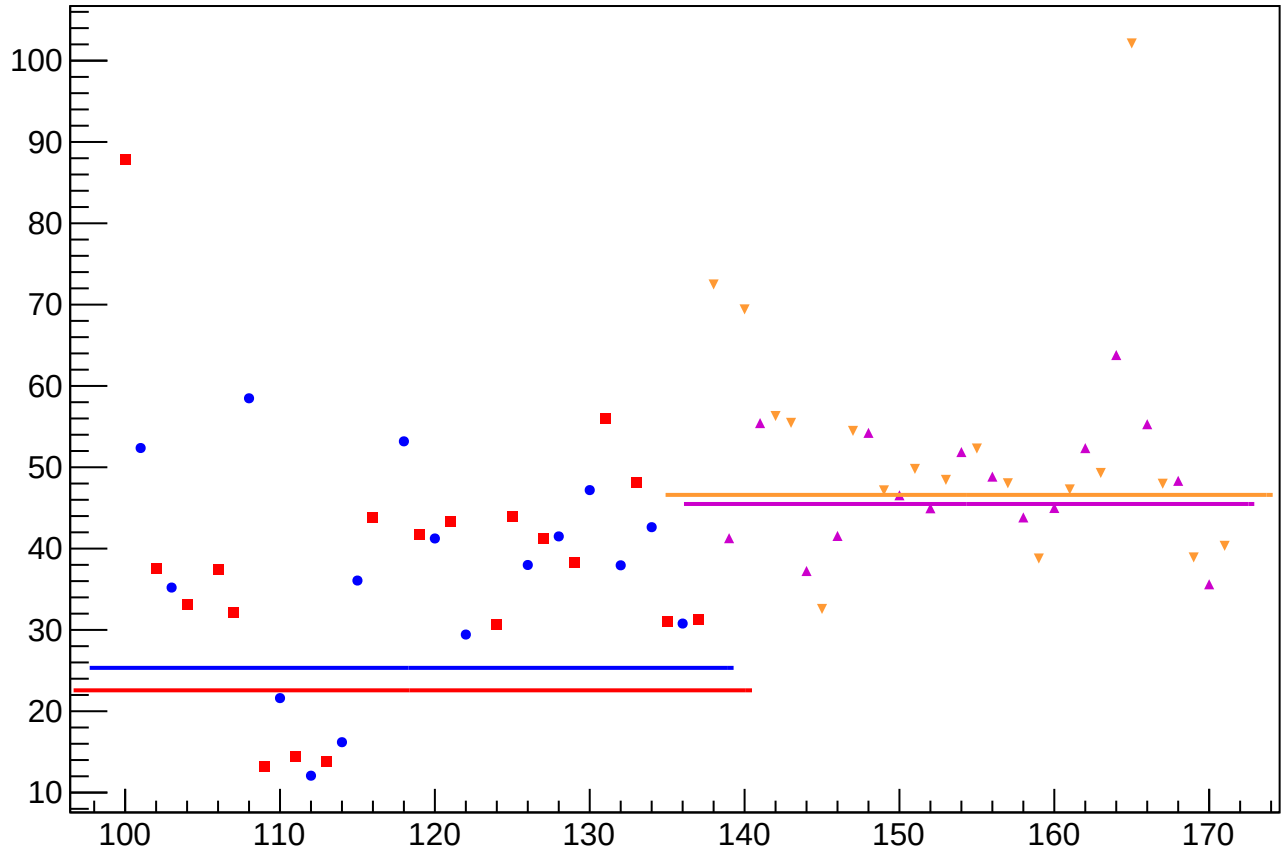
Left: -0.001+/-0.009 χ^2/NDF: 38.4/33

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/36

All: 0.002+/-0.006 χ^2/NDF: 78.9/68



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: 45.486+/-0.009 χ^2/NDF:509328.0/15

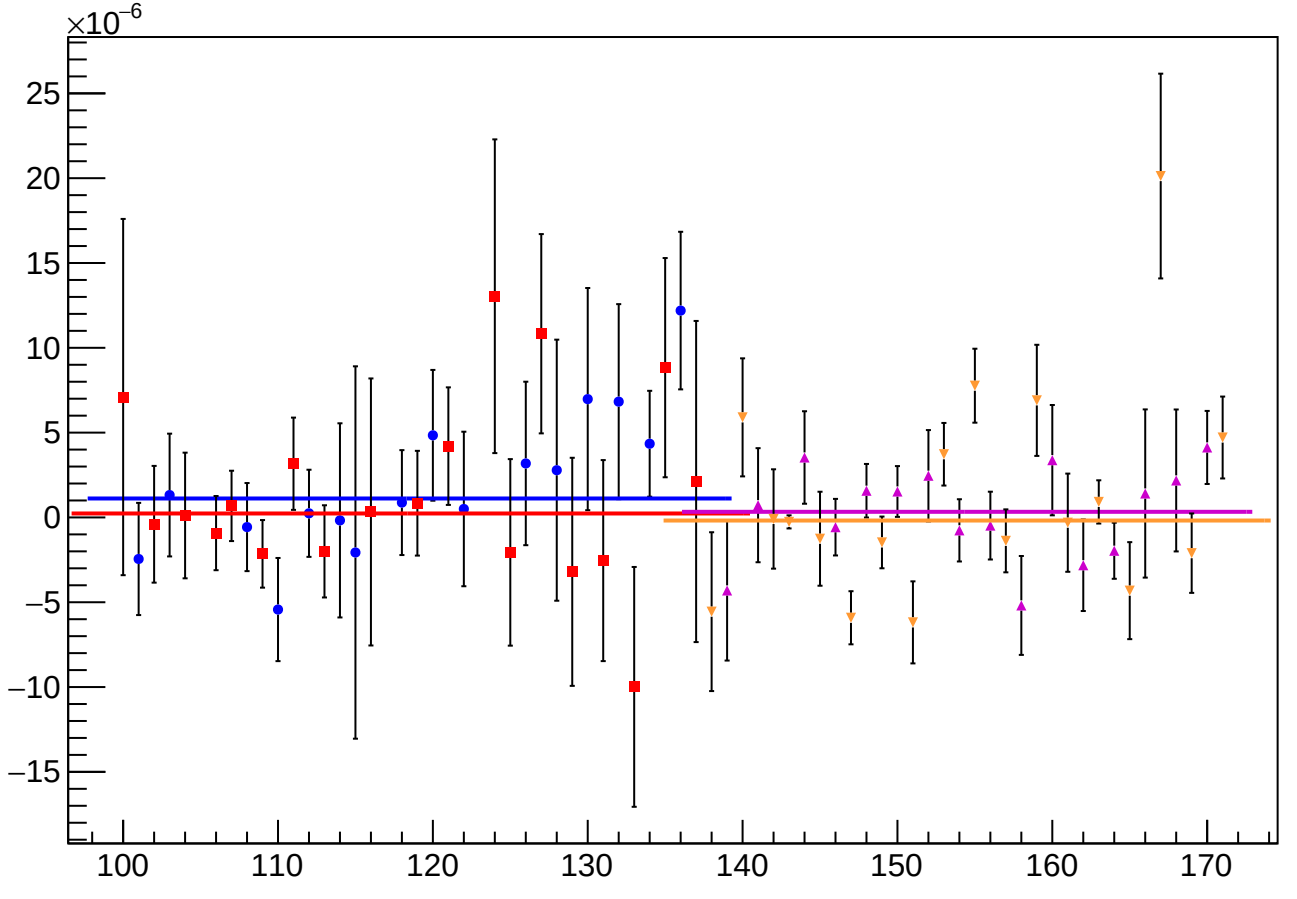
Left: 46.053+/-0.006 χ^2/NDF: 1802704.6/33

Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 33.757+/-0.006 χ^2/NDF:6205574.4/31

Out: 31.377+/-0.006 χ^2/NDF:8830929.4/36

All: 32.473+/-0.004 χ^2/NDF: 15122260.3/68



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:16.5/15

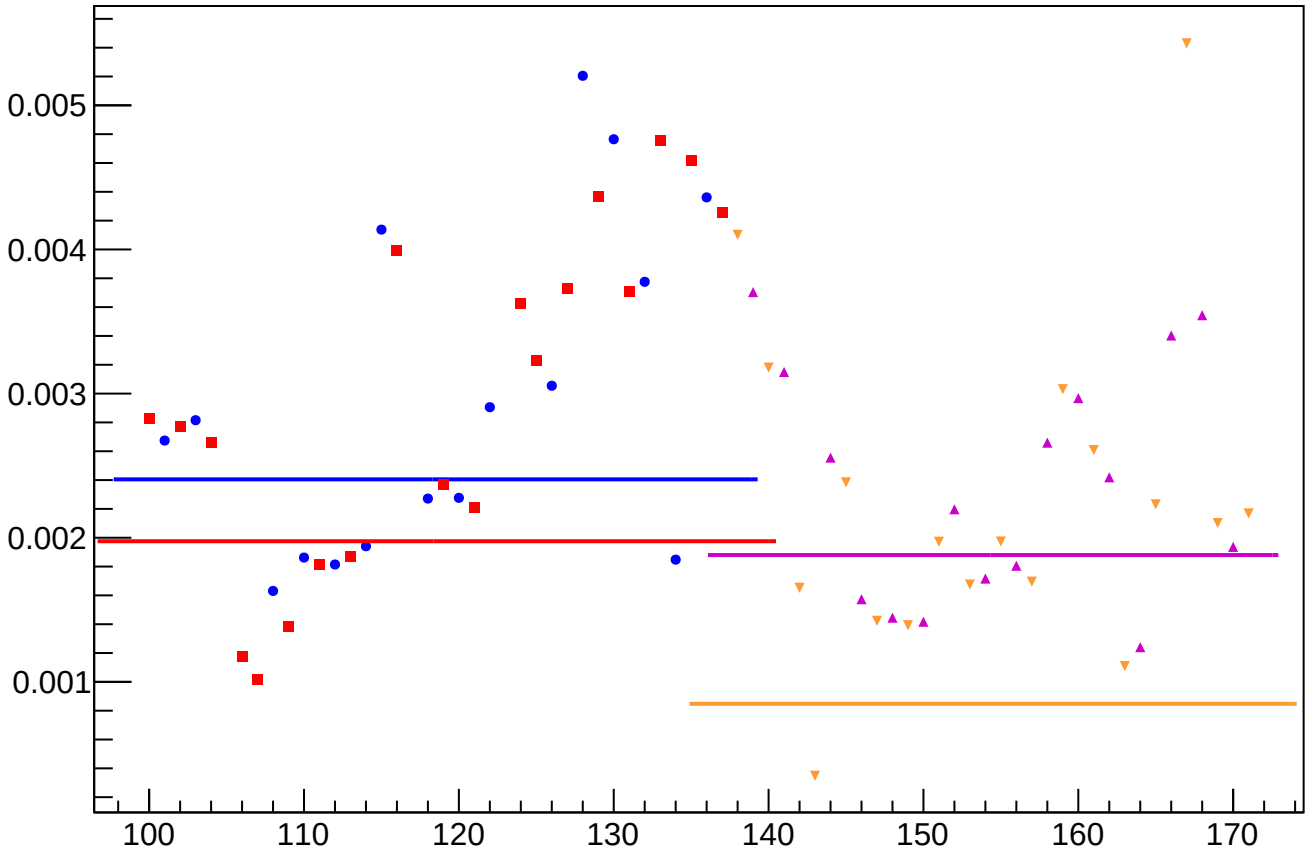
Left: -0.000+/-0.000 χ^2/NDF: 83.8/33

Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: 0.000+/-0.000 χ^2/NDF:33.2/31

Out: -0.000+/-0.000 χ^2/NDF:82.0/36

All: 0.000+/-0.000 χ^2/NDF: 116.6/68



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:2506693.3/15

Left: 0.001+/-0.000 χ^2/NDF: 20496833.4/33

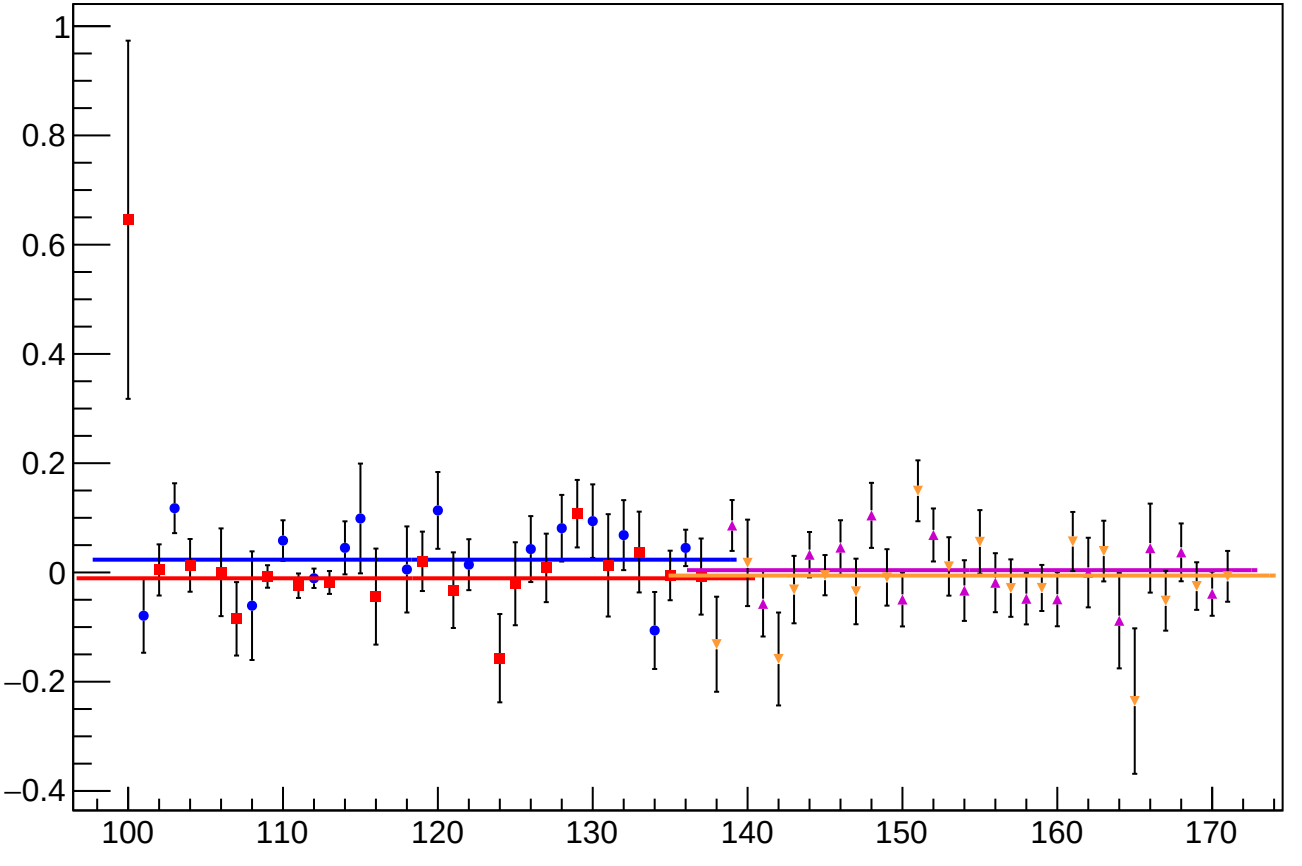
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4528991.2/31

Out: 0.001+/-0.000 χ^2/NDF:18924856.6/36

All: 0.001+/-0.000 χ^2/NDF: 30010728.2/68

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: 0.004+/-0.013 χ^2/NDF:17.0/15

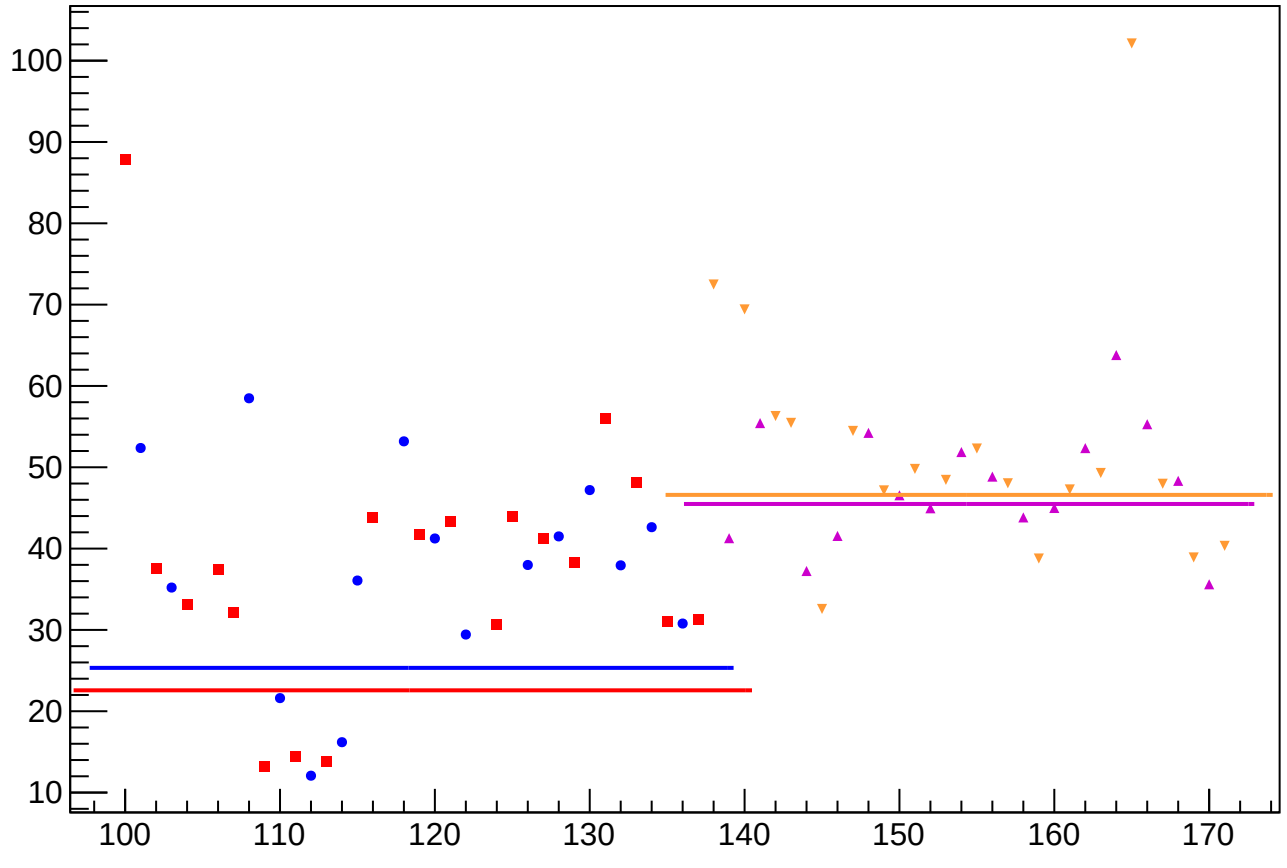
Left: -0.001+/-0.009 χ^2/NDF: 38.4/33

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/36

All: 0.002+/-0.006 χ^2/NDF: 78.9/68



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: 45.486+/-0.009 χ^2/NDF:509342.2/15

Left: 46.053+/-0.006 χ^2/NDF: 1802693.9/33

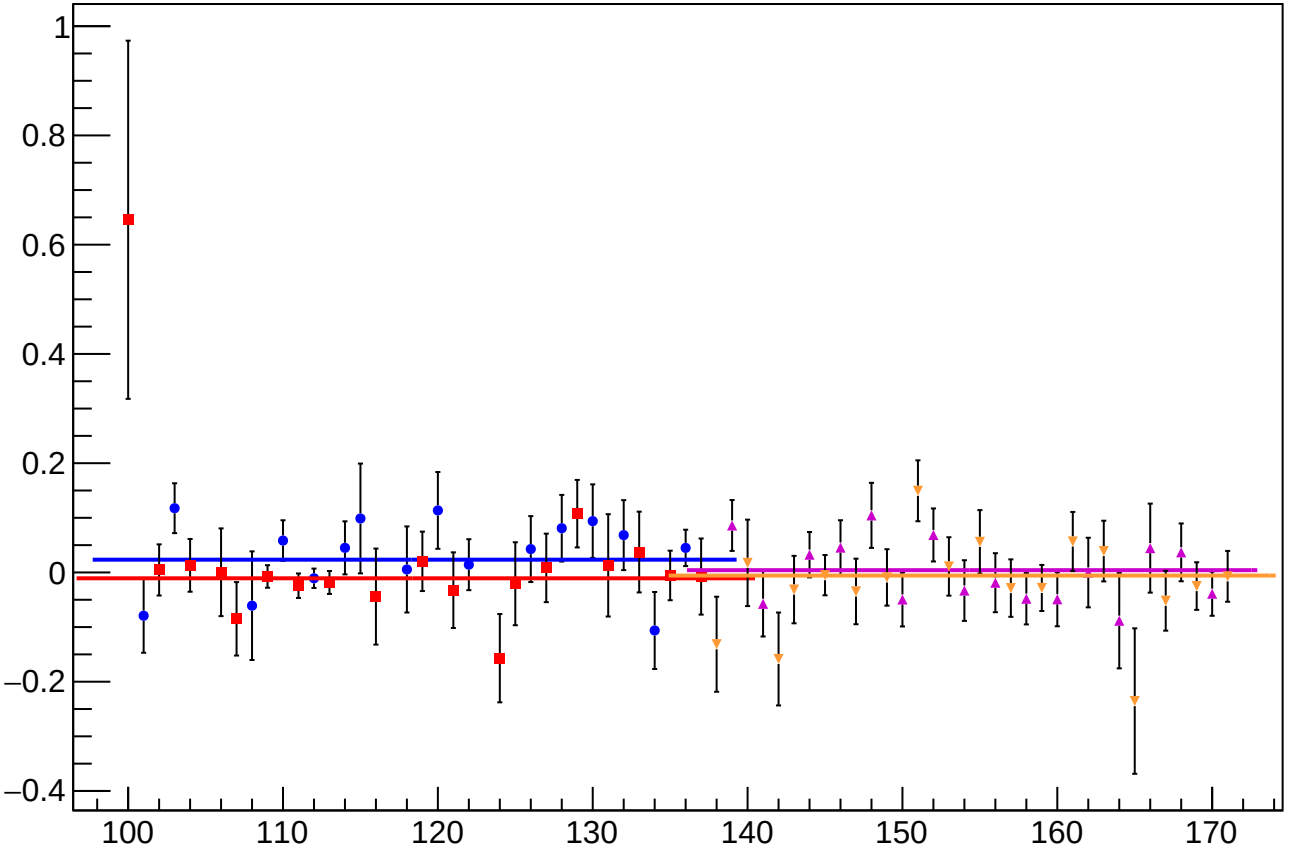
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.756+/-0.006 χ^2/NDF:6206493.4/31

Out: 31.376+/-0.006 χ^2/NDF:8831275.8/36

All: 32.473+/-0.004 χ^2/NDF: 15123471.7/68

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: 0.004+/-0.013 χ^2/NDF:17.0/15

Left: -0.001+/-0.009 χ^2/NDF: 38.4/33

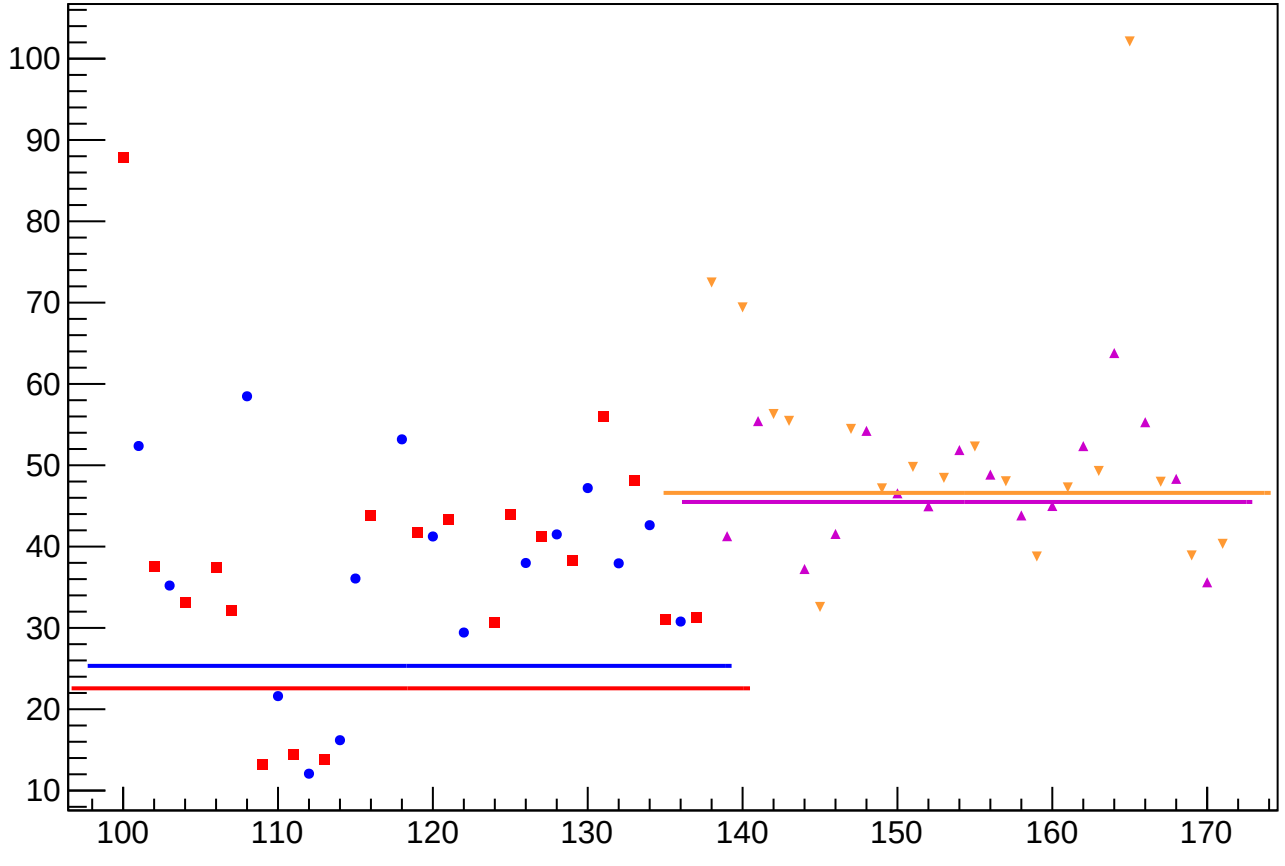
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:39.0/31

Out: -0.009+/-0.008 χ^2/NDF:35.5/36

All: 0.002+/-0.006 χ^2/NDF: 78.9/68

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: 45.486+/-0.009 χ^2/NDF:509342.2/15

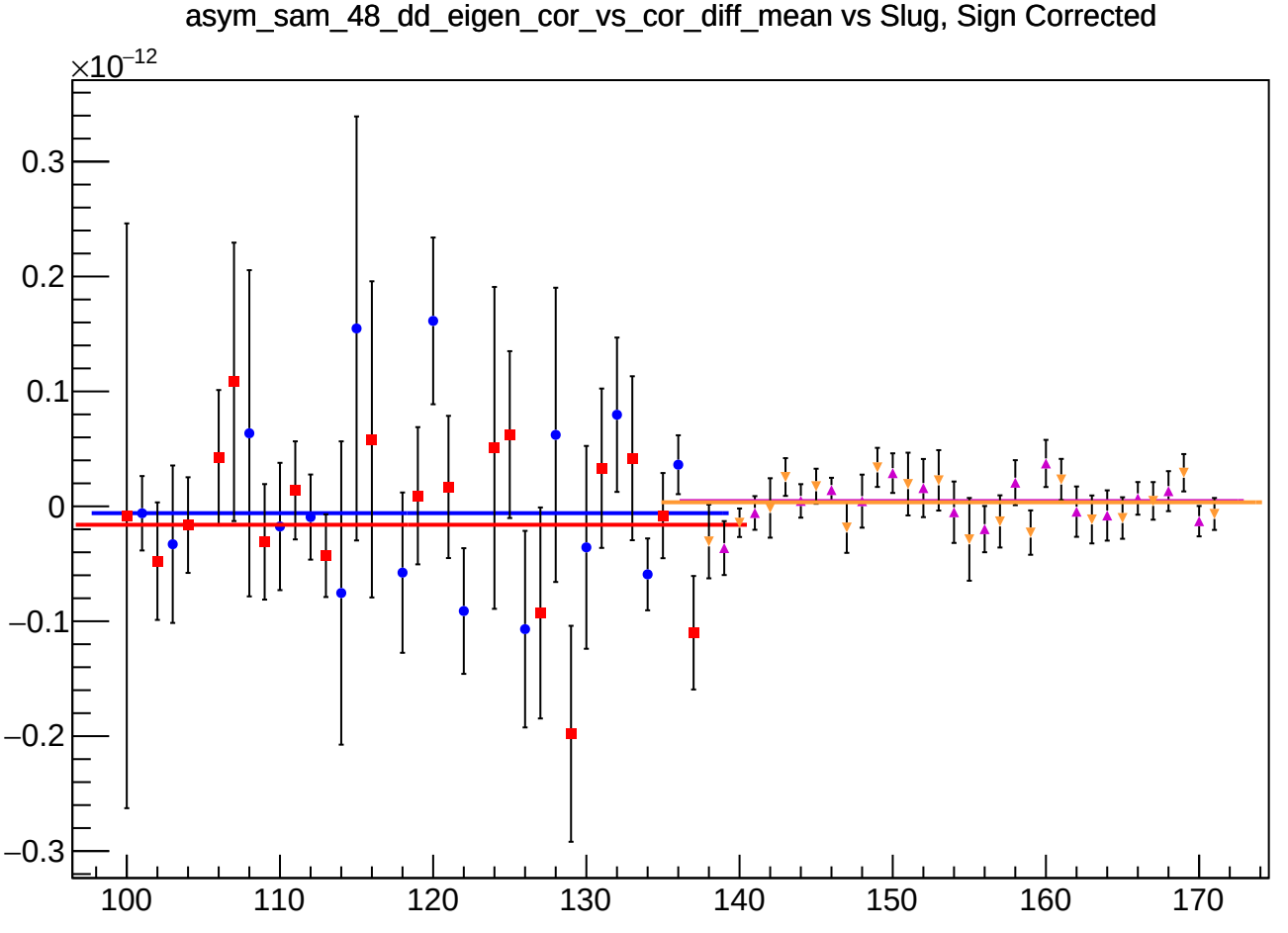
Left: 46.053+/-0.006 χ^2/NDF: 1802693.9/33

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 33.756+/-0.006 χ^2/NDF:6206493.4/31

Out: 31.376+/-0.006 χ^2/NDF:8831275.8/36

All: 32.473+/-0.004 χ^2/NDF: 15123471.7/68



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:13.9/15

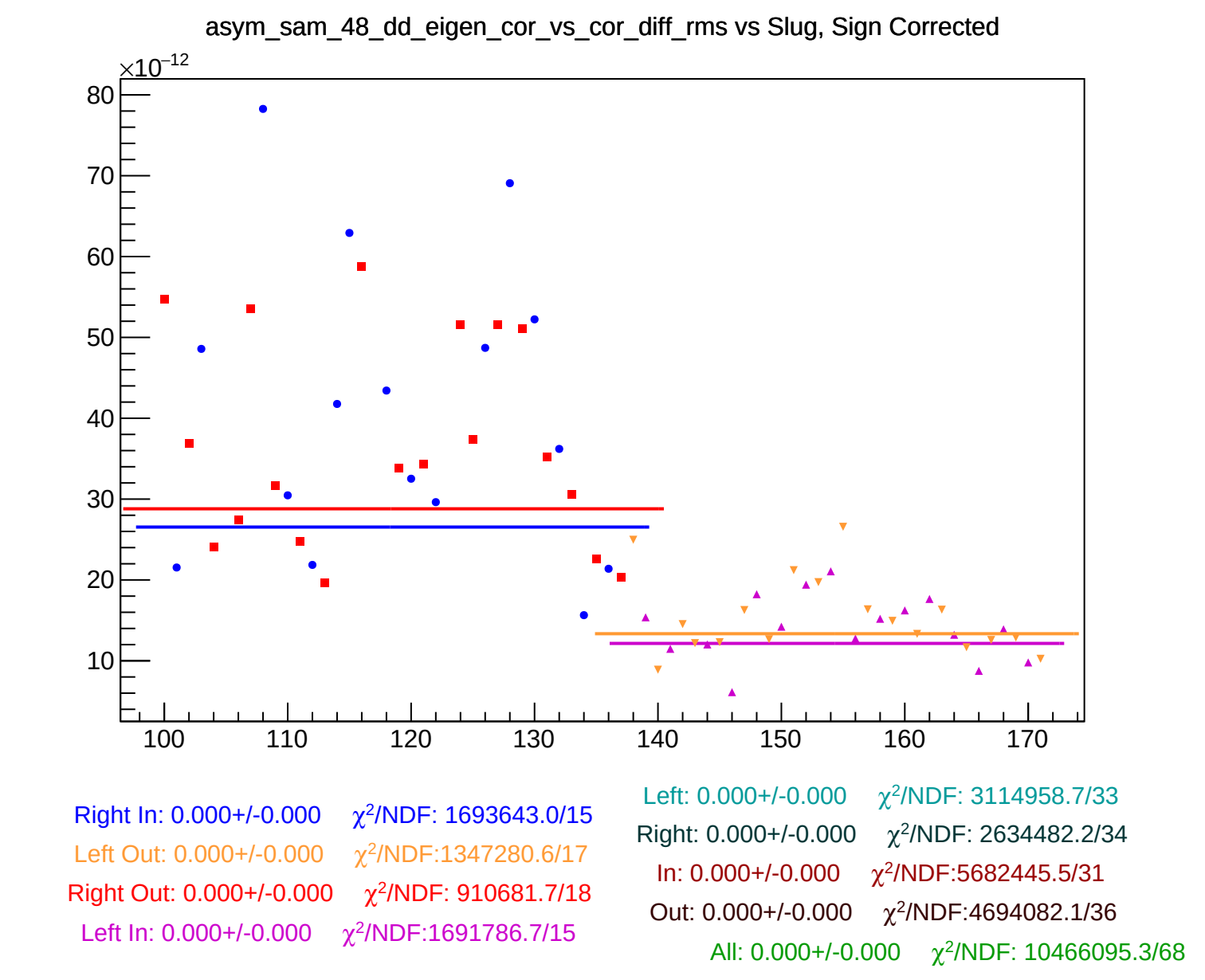
Left: 0.000+/-0.000 χ^2/NDF: 33.4/33

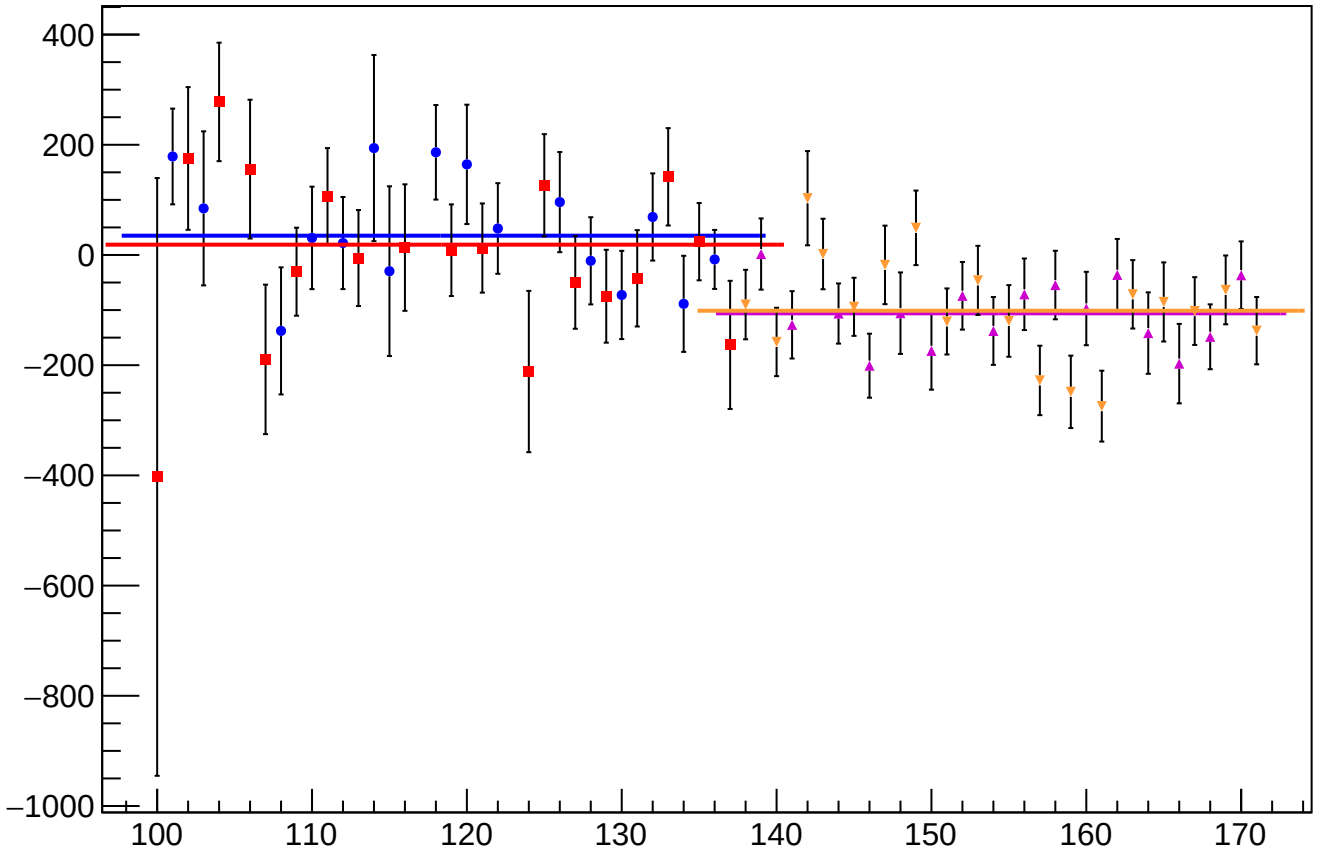
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.3/31

Out: 0.000+/-0.000 χ^2/NDF:36.4/36

All: 0.000+/-0.000 χ^2/NDF: 69.8/68


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:1691786.7/15
Left: 0.000+/-0.000 χ²/NDF: 3114958.7/33
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5682445.5/31
Out: 0.000+/-0.000 χ²/NDF:4694082.1/36
All: 0.000+/-0.000 χ²/NDF: 10466095.3/68



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: -105.879+/-15.934 χ^2/NDF:12.8/15

Left: -103.390+/-10.948 χ^2/NDF: 46.6/33

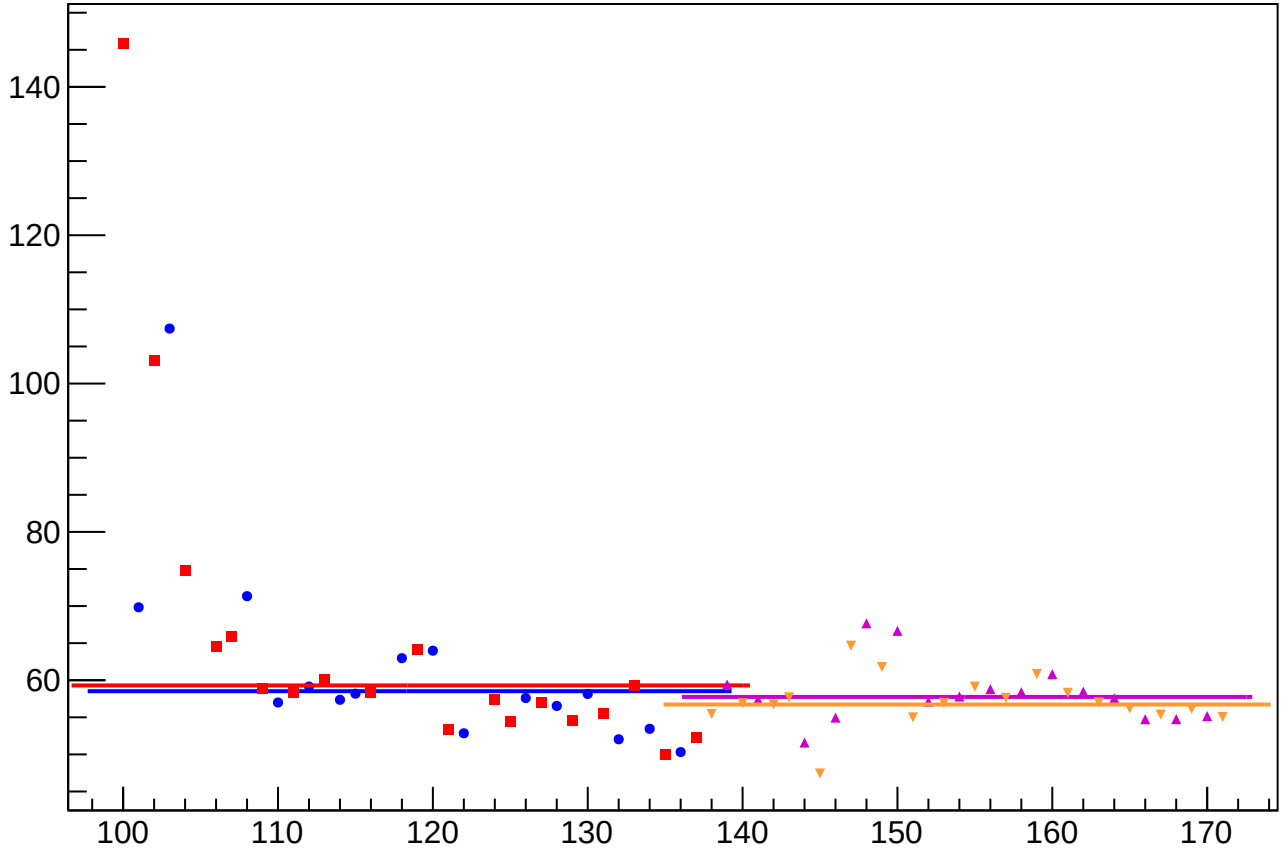
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -57.785+/-12.932 χ^2/NDF:55.7/31

Out: -63.215+/-12.456 χ^2/NDF:77.3/36

All: -60.602+/-8.971 χ^2/NDF: 133.1/68

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: 57.751+/-0.011 χ^2/NDF:117089.0/15

Left: 57.210+/-0.008 χ^2/NDF: 237756.9/33

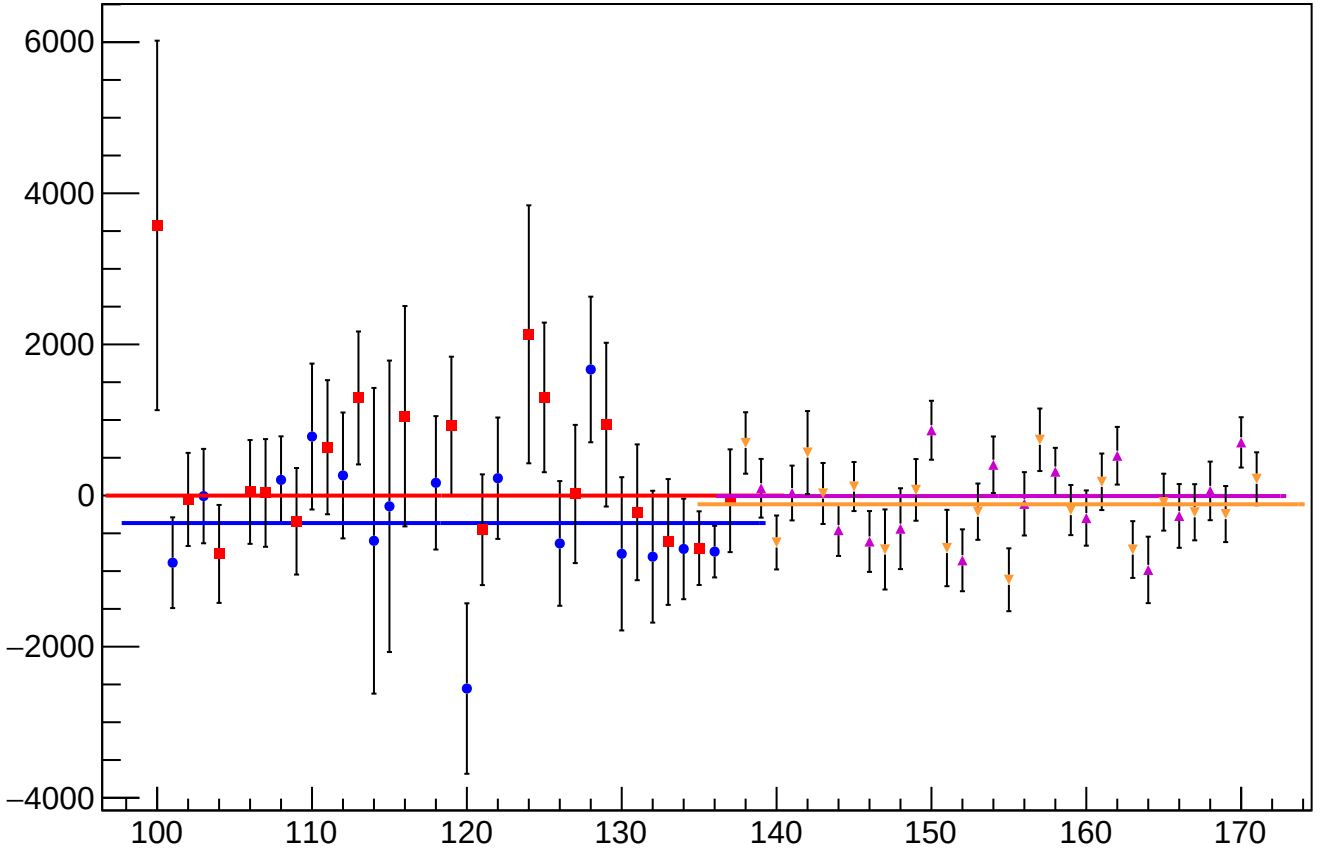
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 58.014+/-0.009 χ^2/NDF:511429.3/31

Out: 57.541+/-0.009 χ^2/NDF:541408.8/36

All: 57.769+/-0.006 χ^2/NDF: 1054222.8/68

asym_sam_13_57_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.076+/-180.601 χ^2/NDF: 15.2/15

Left Out: -115.559+/-91.984 χ^2/NDF:25.4/17

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: -6.662+/-95.907 χ^2/NDF:28.8/15

Left: -63.383+/-66.386 χ^2/NDF: 54.9/33

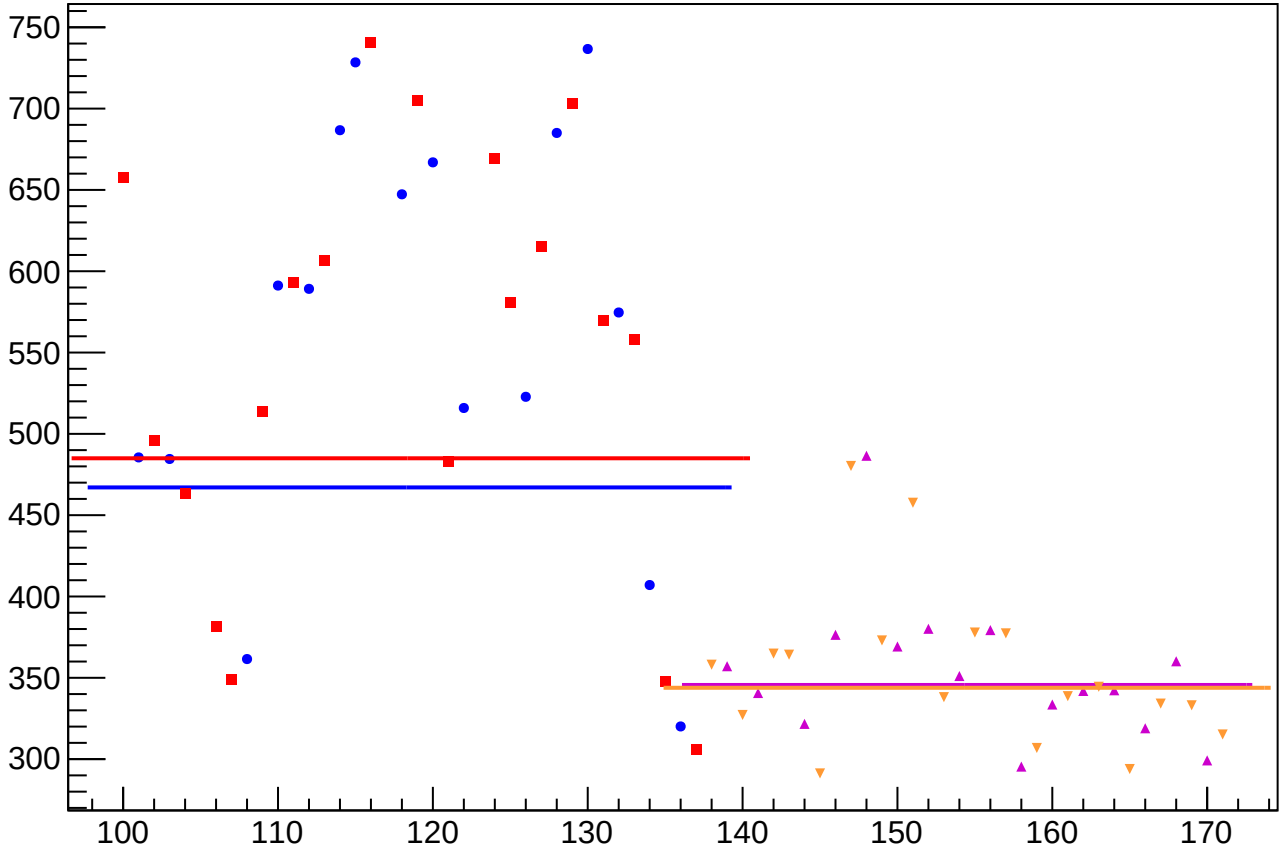
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -85.284+/-84.704 χ^2/NDF:47.1/31

Out: -92.384+/-82.193 χ^2/NDF:40.8/36

All: -88.941+/-58.987 χ^2/NDF: 88.0/68

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: 345.596+/-0.068 χ^2/NDF:300319.2/15

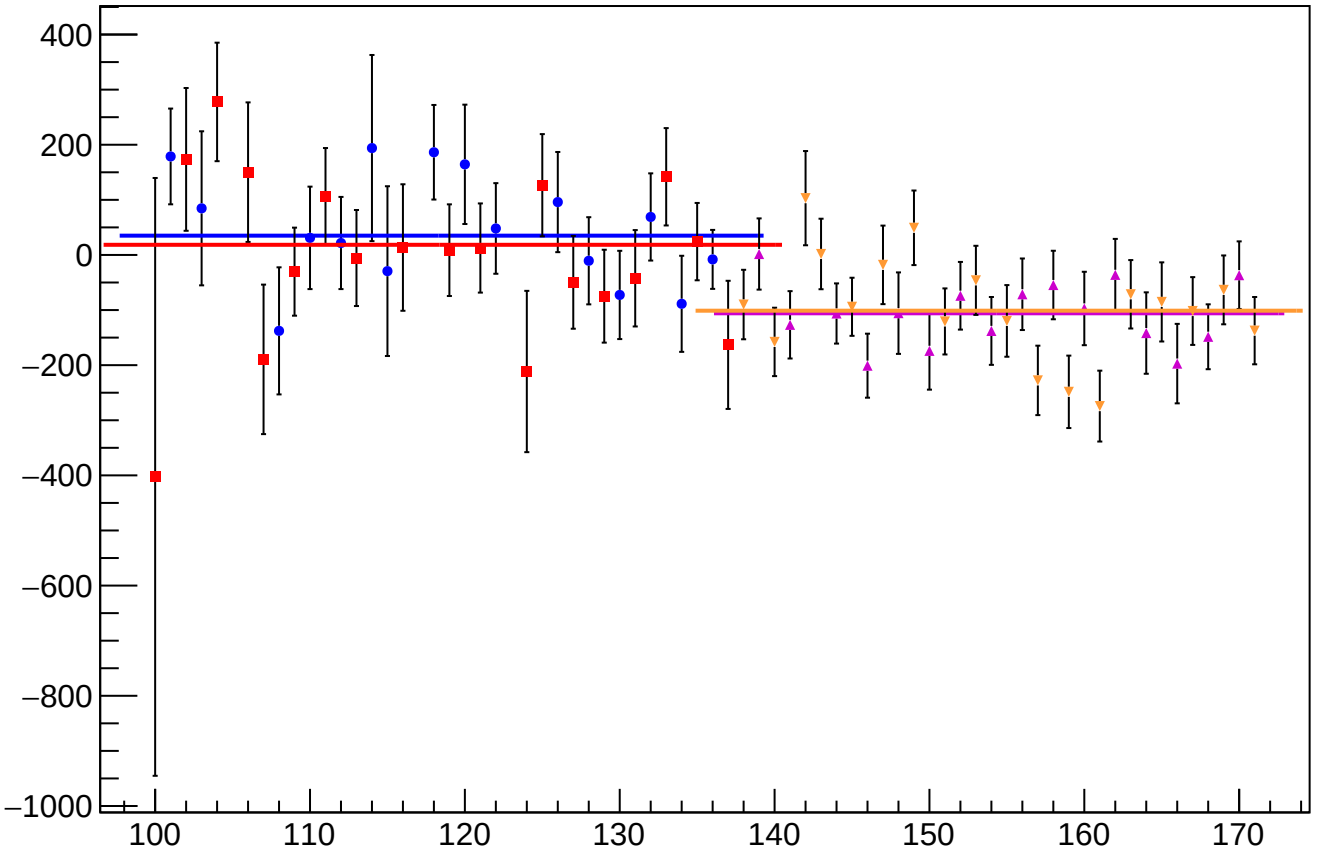
Left: 344.695+/-0.047 χ^2/NDF: 715996.1/33

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 372.317+/-0.060 χ^2/NDF:2036348.7/31

Out: 372.307+/-0.058 χ^2/NDF:2238128.2/36

All: 372.312+/-0.042 χ^2/NDF: 4274477.0/68



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: -105.880+/-15.934 χ^2/NDF:12.8/15

Left: -103.390+/-10.948 χ^2/NDF: 46.6/33

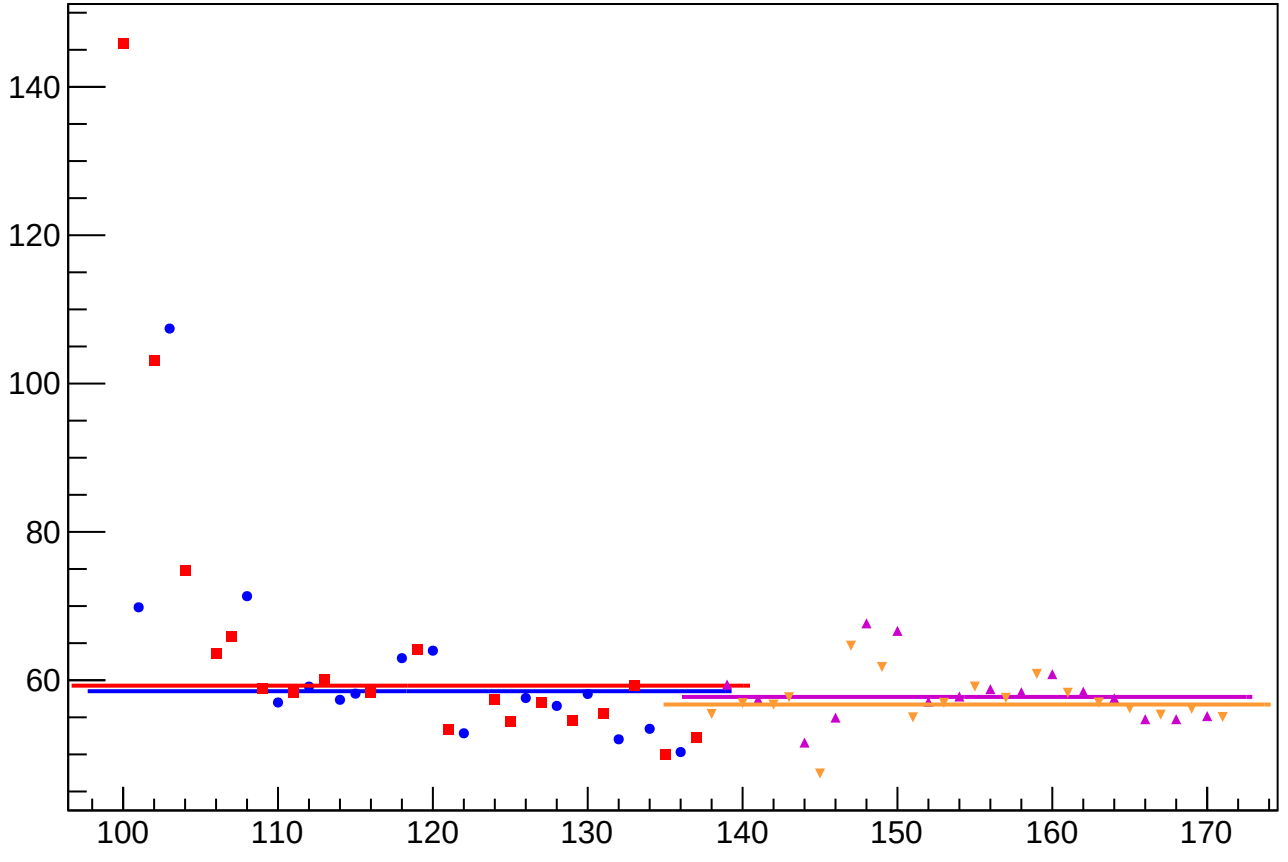
Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -57.786+/-12.932 χ^2/NDF:55.7/31

Out: -63.310+/-12.457 χ^2/NDF:77.0/36

All: -60.651+/-8.972 χ^2/NDF: 132.8/68

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.726+/-0.011 χ^2/NDF:116301.5/17

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.751+/-0.011 χ^2/NDF:117089.0/15

Left: 57.210+/-0.008 χ^2/NDF: 237756.9/33

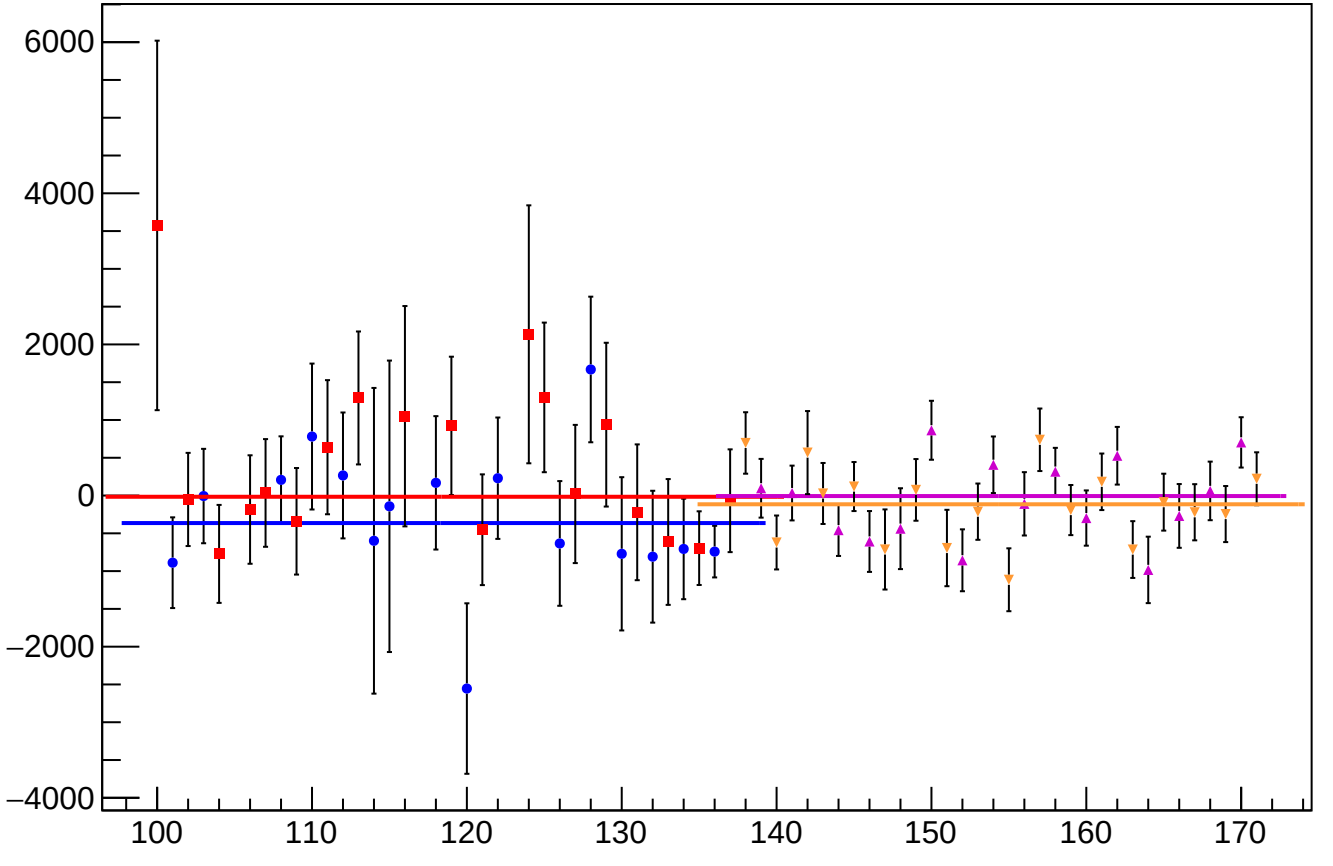
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.014+/-0.009 χ^2/NDF:511431.4/31

Out: 57.531+/-0.009 χ^2/NDF:539954.7/36

All: 57.764+/-0.006 χ^2/NDF: 1052831.7/68

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: -6.663+/-95.907 χ^2/NDF:28.8/15

Left: -63.384+/-66.386 χ^2/NDF: 54.9/33

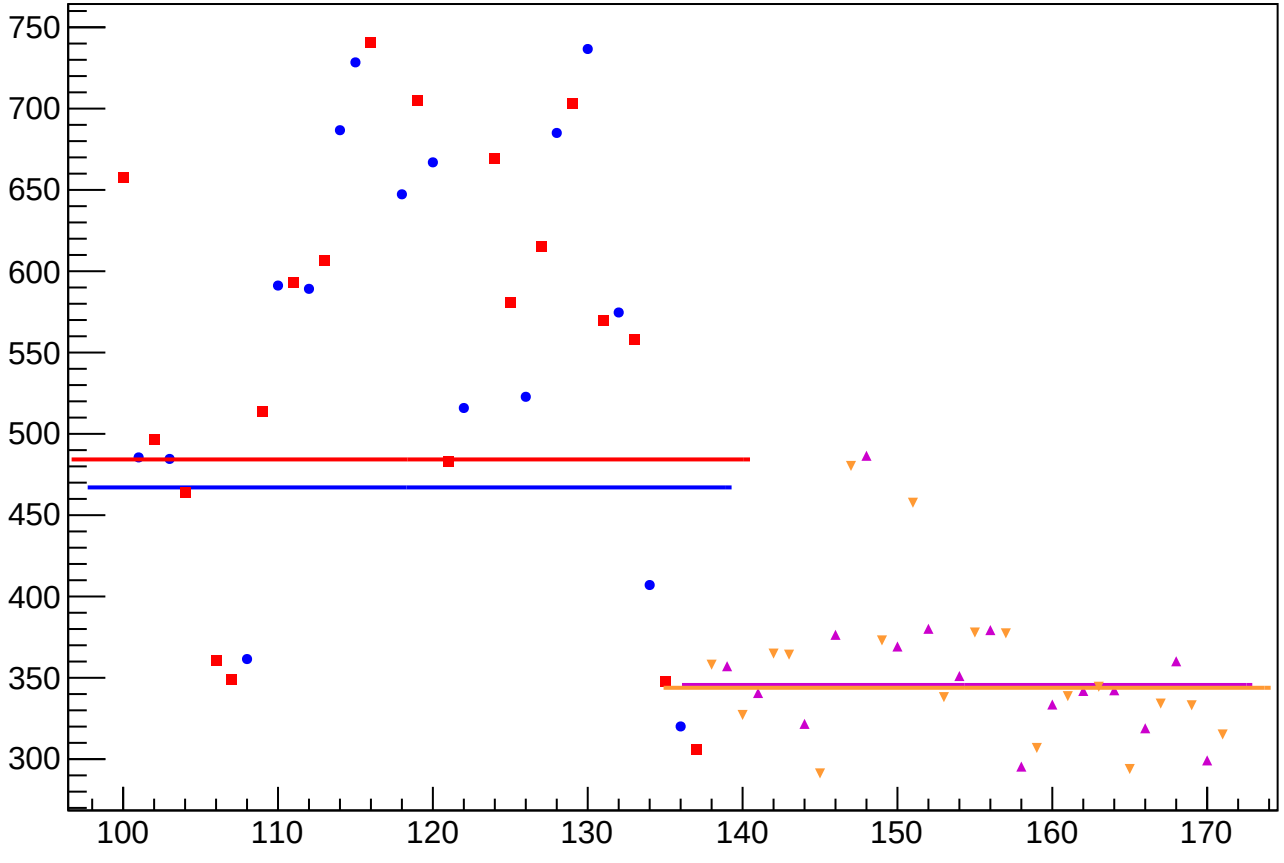
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -85.276+/-84.704 χ^2/NDF:47.1/31

Out: -95.610+/-82.244 χ^2/NDF:40.8/36

All: -90.595+/-59.006 χ^2/NDF: 87.9/68

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 343.867+/-0.065 χ^2/NDF:415337.1/17

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 345.596+/-0.068 χ^2/NDF:300320.8/15

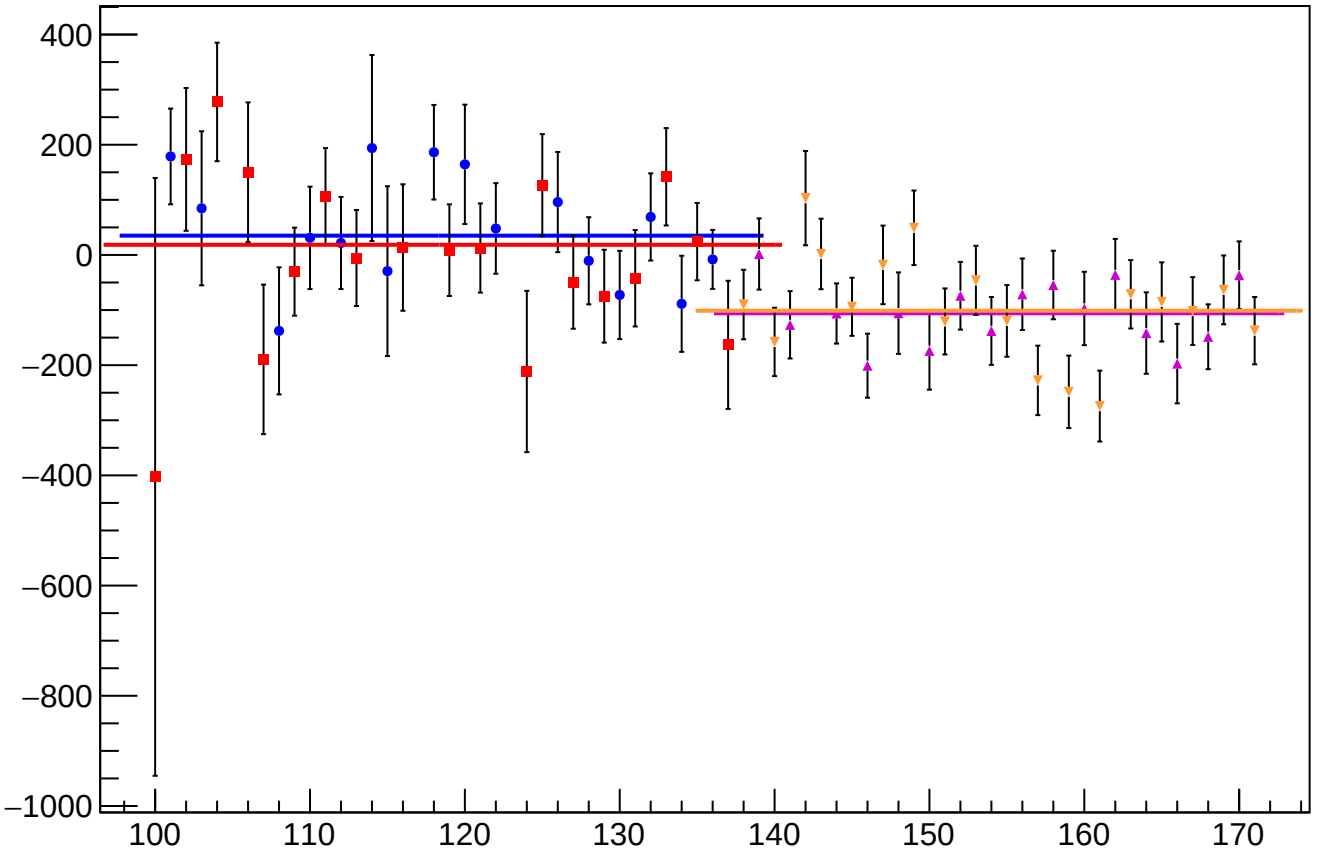
Left: 344.695+/-0.047 χ^2/NDF: 715996.8/33

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 372.317+/-0.060 χ^2/NDF:2036375.3/31

Out: 372.025+/-0.058 χ^2/NDF:2238710.6/36

All: 372.167+/-0.042 χ^2/NDF: 4275098.1/68



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: -105.880+/-15.934 χ^2/NDF:12.8/15

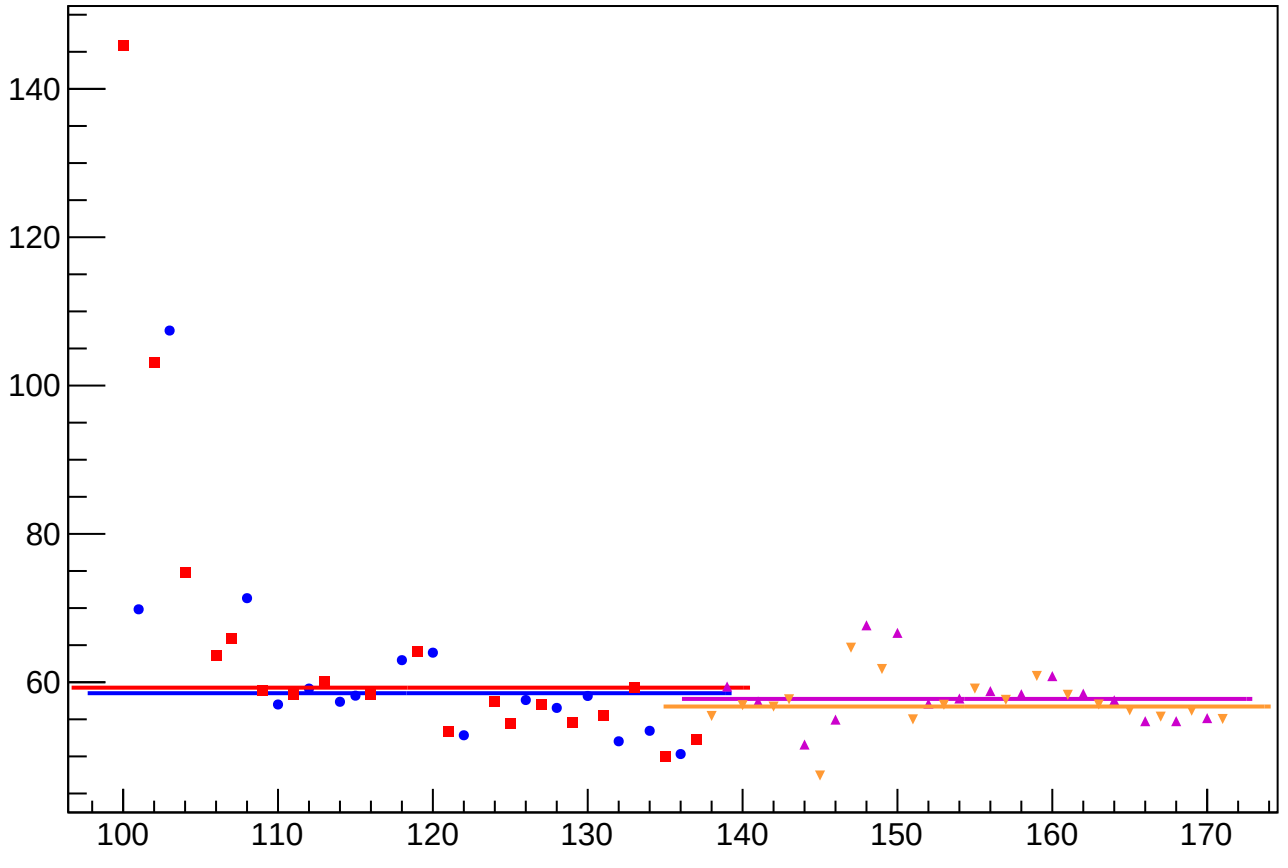
Left: -103.390+/-10.948 χ^2/NDF: 46.6/33

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -57.786+/-12.932 χ^2/NDF:55.7/31

Out: -63.310+/-12.457 χ^2/NDF:77.0/36

All: -60.651+/-8.972 χ^2/NDF: 132.8/68



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: 57.751+/-0.011 χ^2/NDF:117089.0/15

Left: 57.210+/-0.008 χ^2/NDF: 237756.9/33

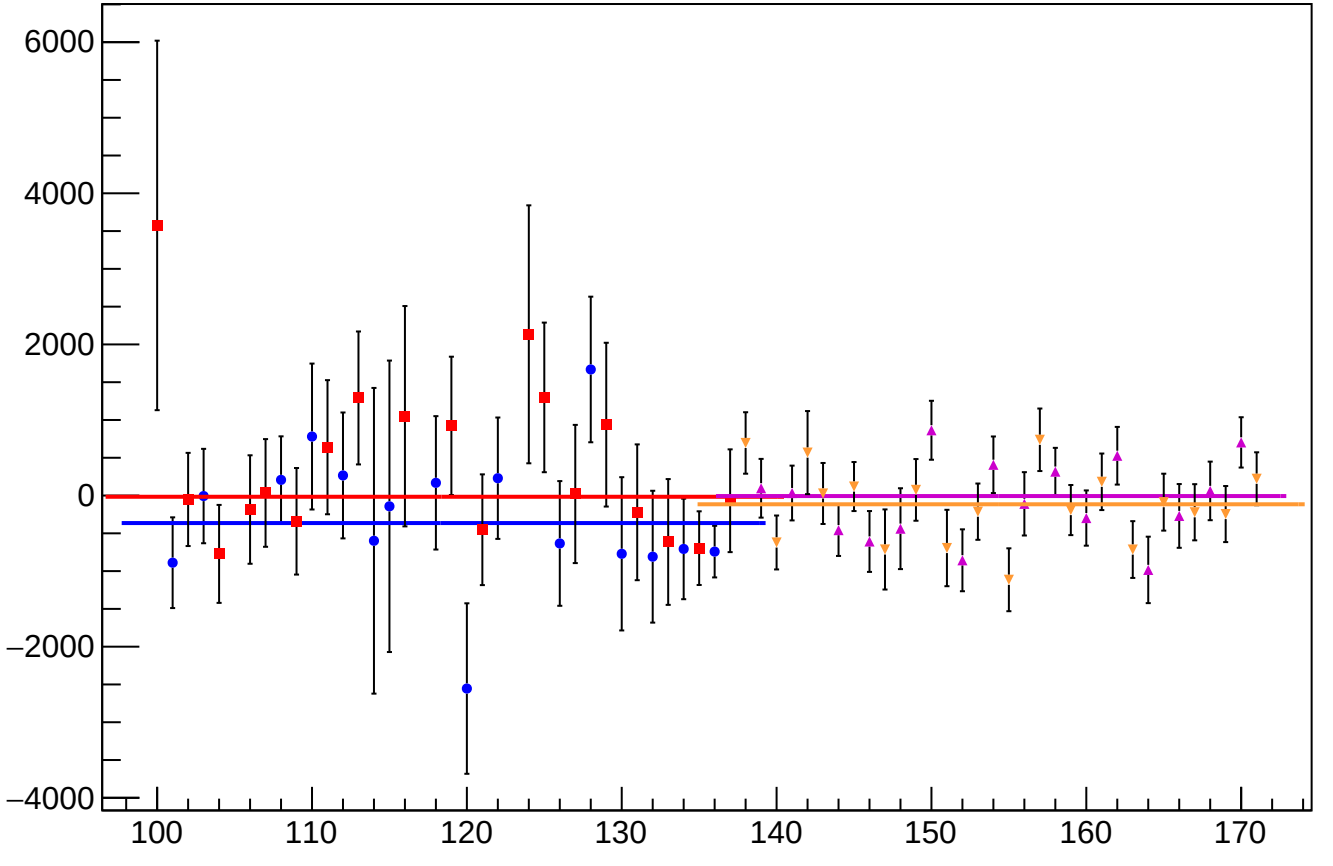
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 58.014+/-0.009 χ^2/NDF:511431.4/31

Out: 57.531+/-0.009 χ^2/NDF:539954.7/36

All: 57.764+/-0.006 χ^2/NDF: 1052831.7/68

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: -6.663+/-95.907 χ^2/NDF:28.8/15

Left: -63.384+/-66.386 χ^2/NDF: 54.9/33

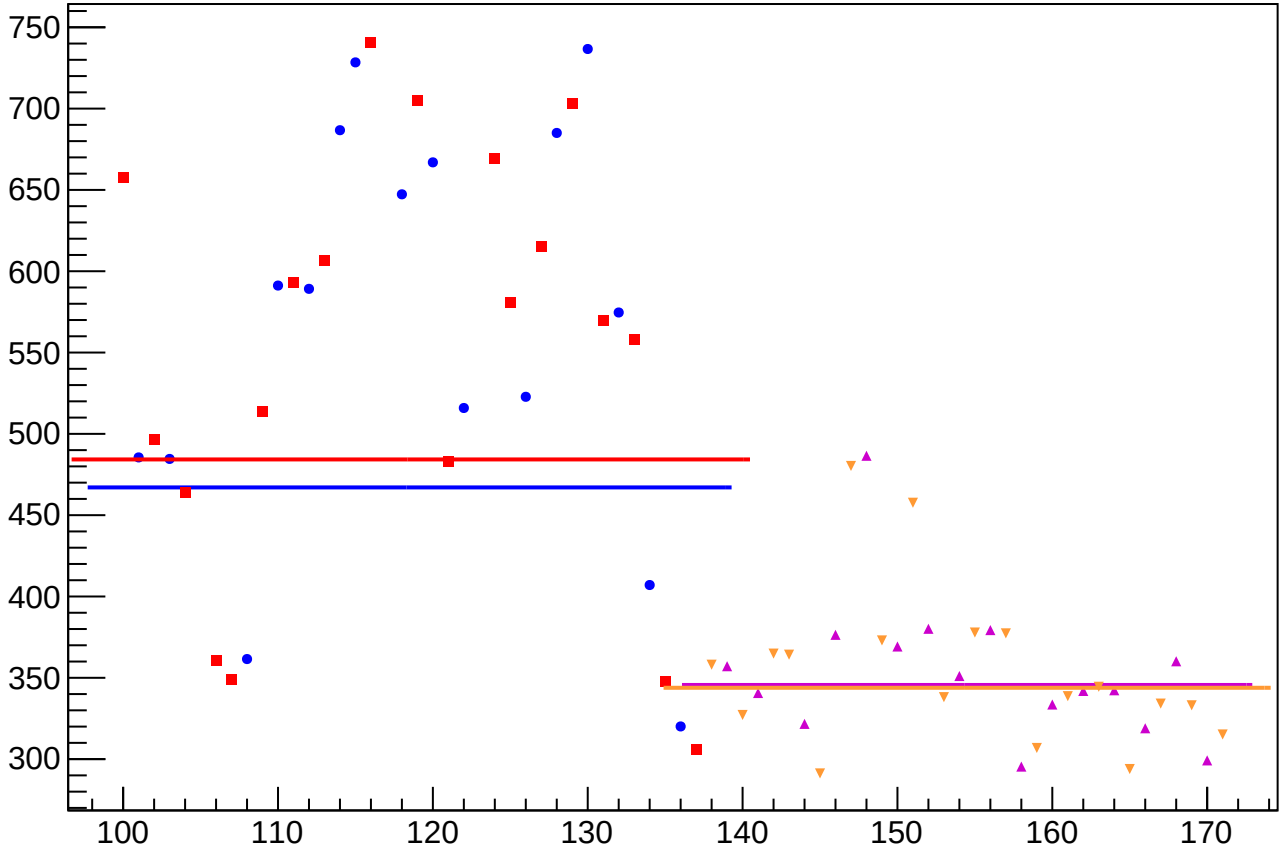
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -85.276+/-84.704 χ^2/NDF:47.1/31

Out: -95.610+/-82.244 χ^2/NDF:40.8/36

All: -90.595+/-59.006 χ^2/NDF: 87.9/68

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: 345.596+/-0.068 χ^2/NDF:300320.8/15

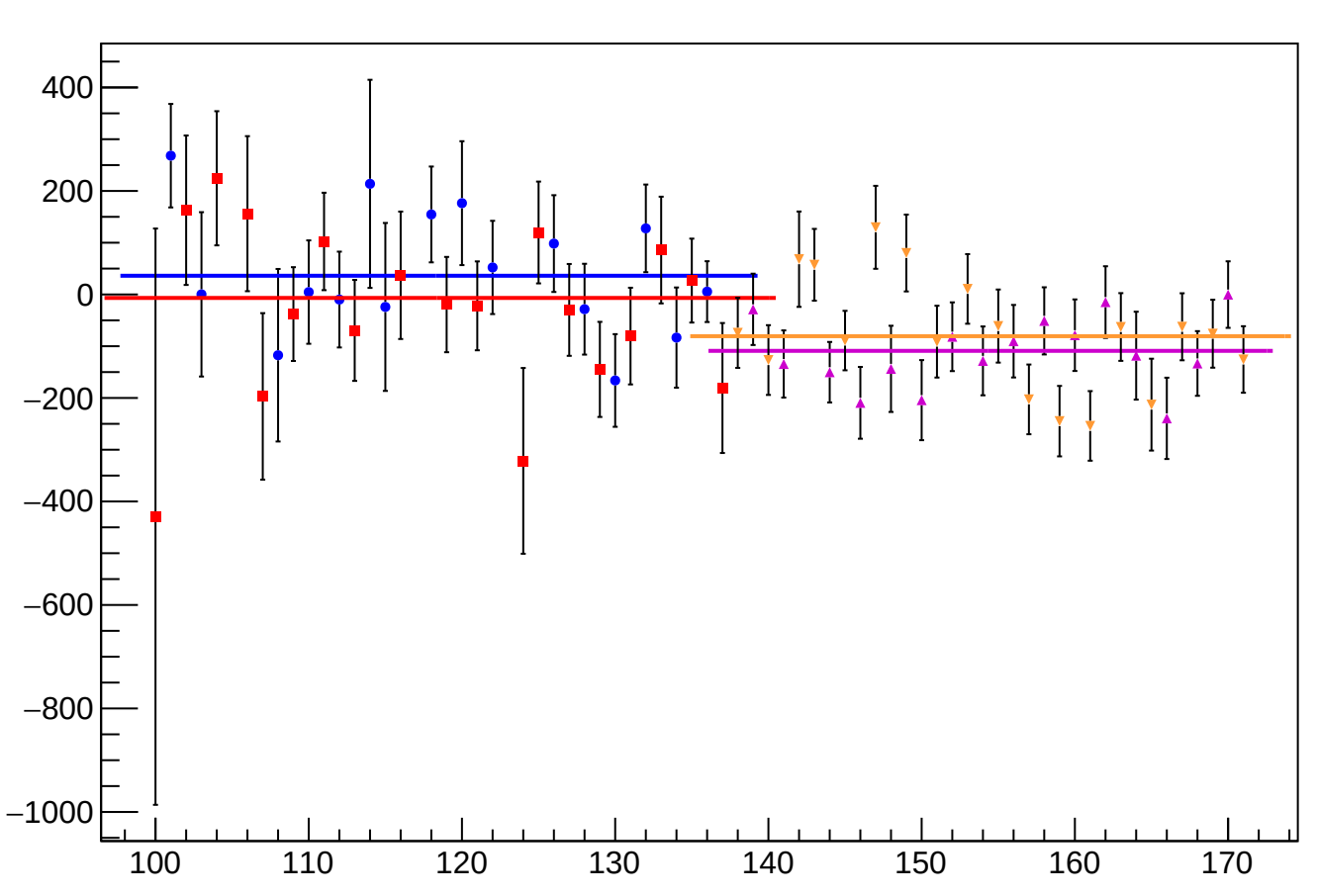
Left: 344.695+/-0.047 χ^2/NDF: 715996.8/33

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 372.317+/-0.060 χ^2/NDF:2036375.3/31

Out: 372.025+/-0.058 χ^2/NDF:2238710.6/36

All: 372.167+/-0.042 χ^2/NDF: 4275098.1/68



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: -108.969+/-17.227 χ^2/NDF:14.7/15

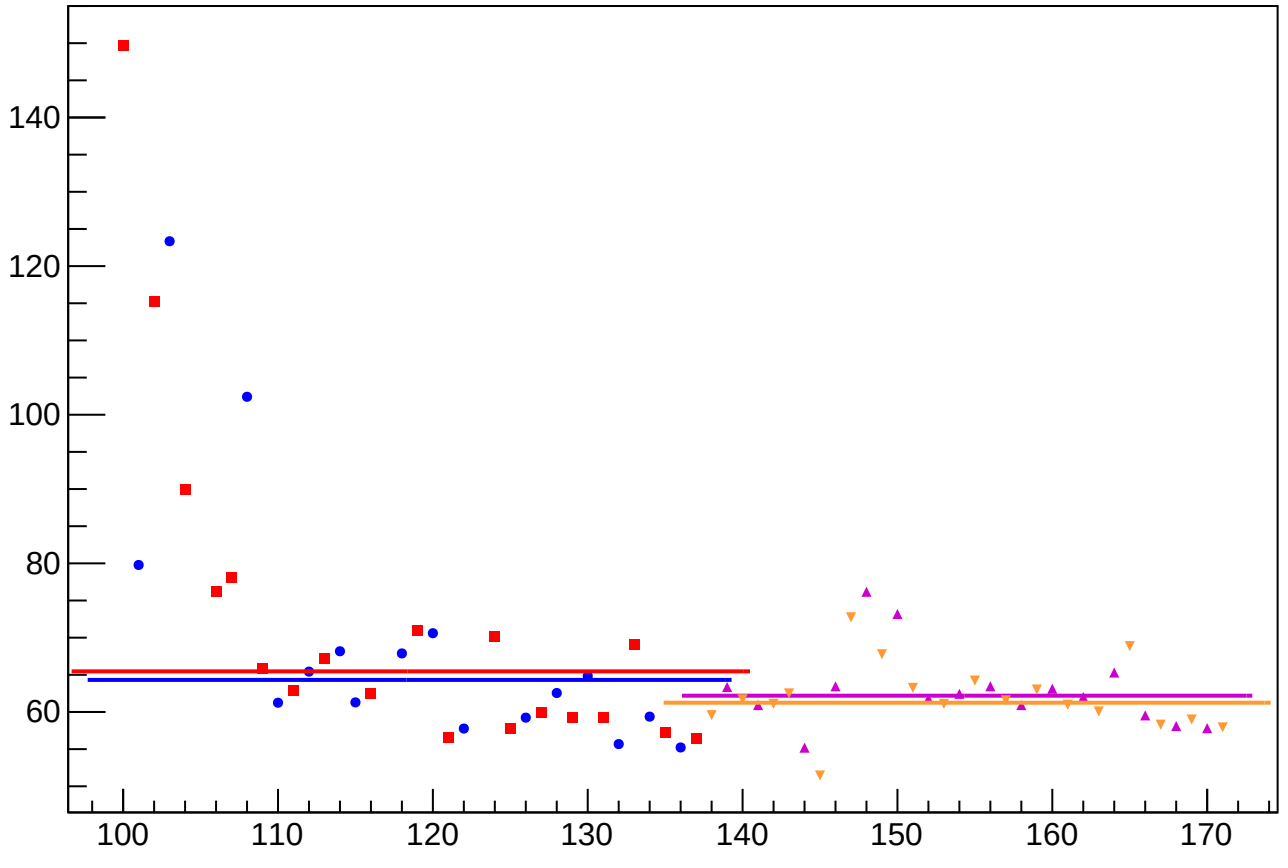
Left: -94.021+/-11.840 χ^2/NDF: 55.4/33

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -60.882+/-14.086 χ^2/NDF:57.9/31

Out: -58.047+/-13.582 χ^2/NDF:65.8/36

All: -59.413+/-9.777 χ^2/NDF: 123.8/68



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: 62.192+/-0.012 χ^2/NDF:152052.6/15

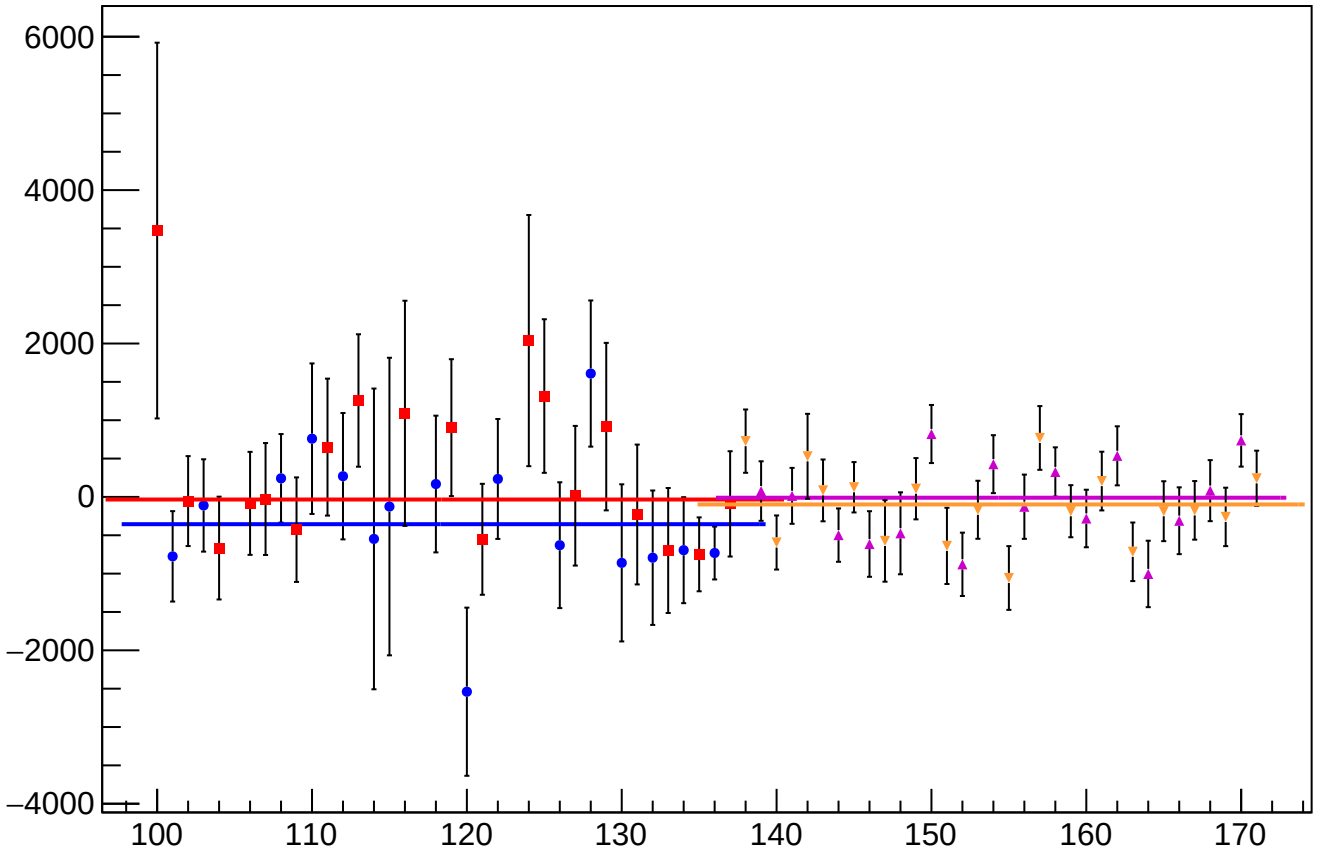
Left: 61.694+/-0.008 χ^2/NDF: 305752.5/33

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.896+/-0.010 χ^2/NDF:694196.0/31

Out: 62.538+/-0.010 χ^2/NDF:673828.3/36

All: 62.710+/-0.007 χ^2/NDF: 1368693.7/68



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: -10.472+/-97.155 χ^2/NDF:29.6/15

Left: -56.242+/-67.216 χ^2/NDF: 54.4/33

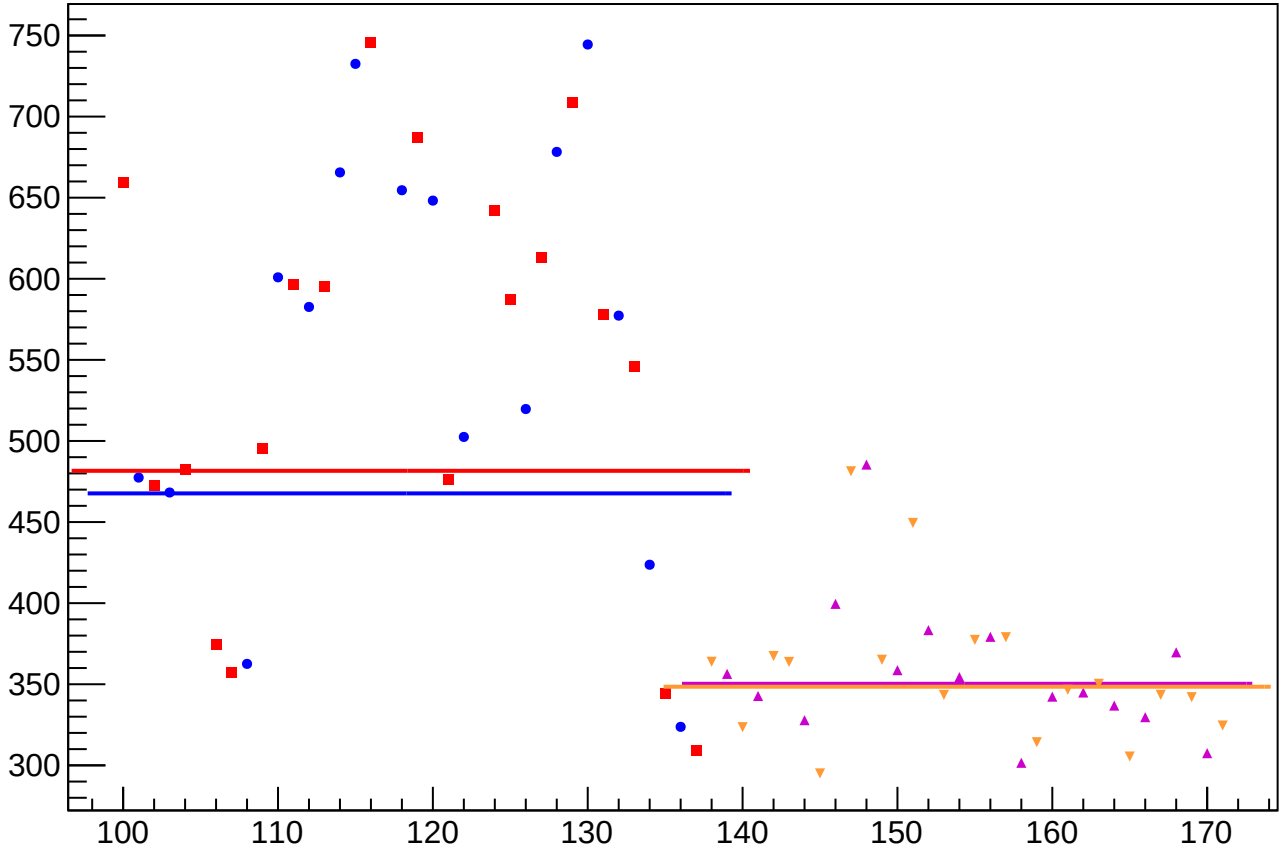
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -88.095+/-85.532 χ^2/NDF:47.2/31

Out: -84.842+/-82.837 χ^2/NDF:39.9/36

All: -86.416+/-59.505 χ^2/NDF: 87.1/68

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: 350.291+/-0.069 χ^2/NDF:277531.5/15

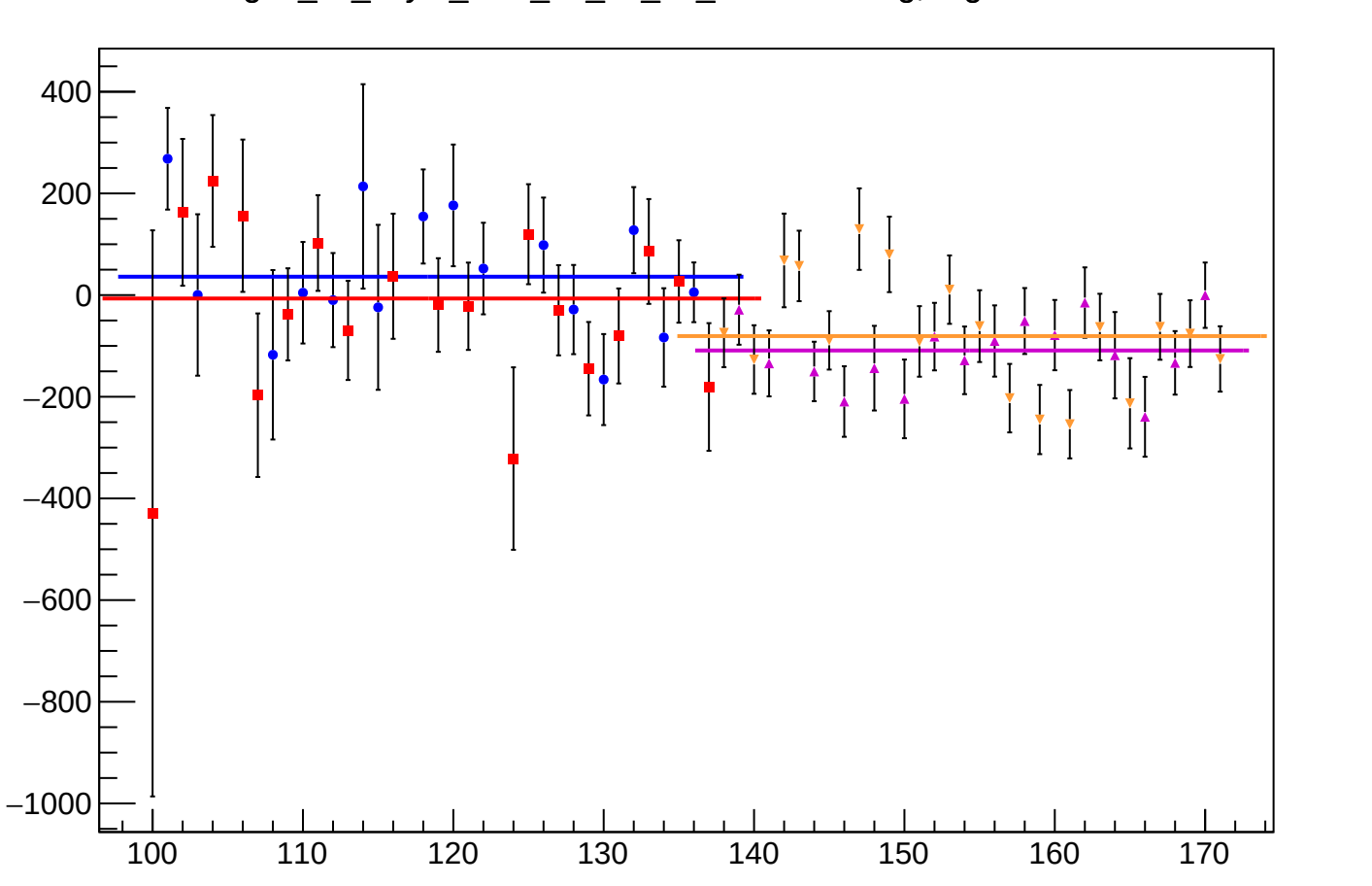
Left: 349.342+/-0.048 χ^2/NDF: 635156.4/33

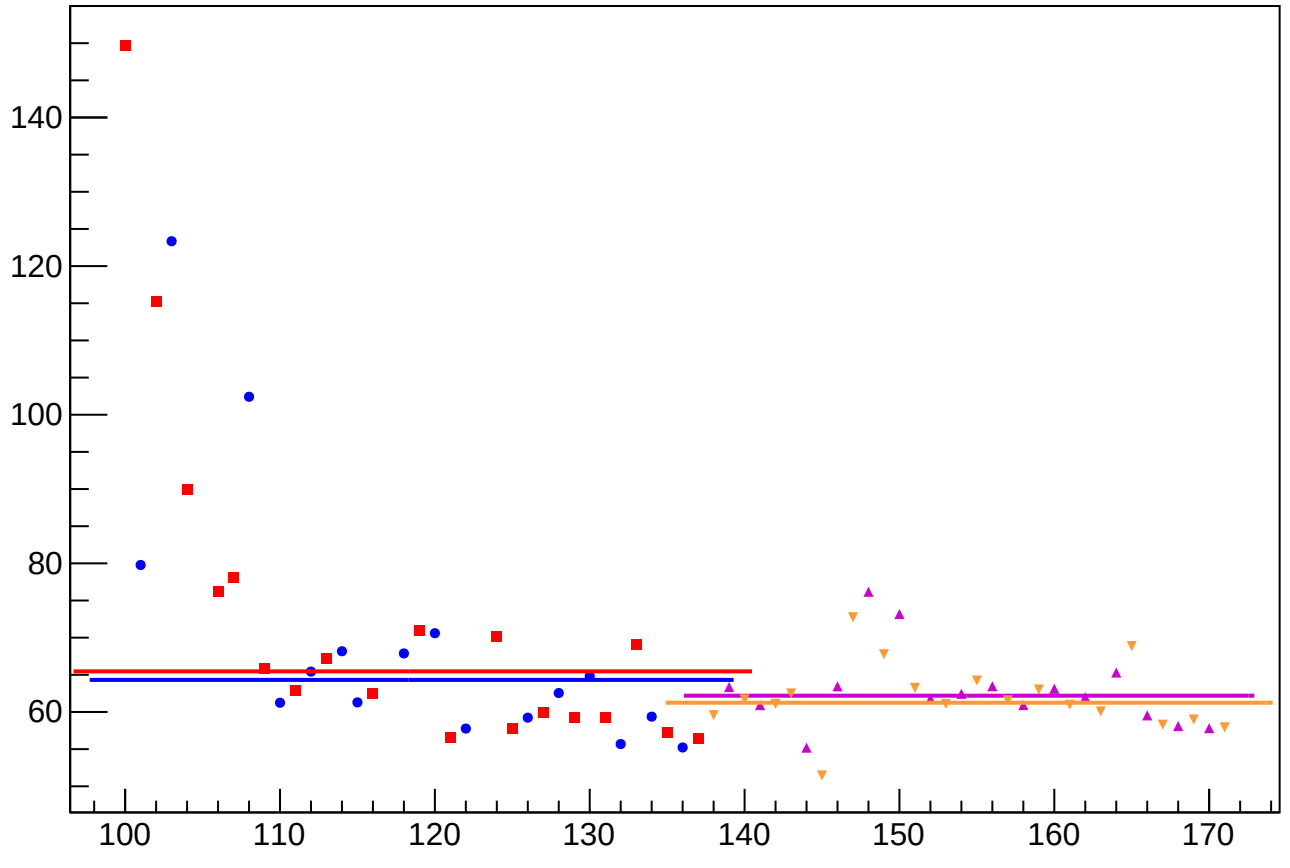
Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 376.697+/-0.060 χ^2/NDF:1920245.9/31

Out: 376.184+/-0.059 χ^2/NDF:2062985.9/36

All: 376.432+/-0.042 χ^2/NDF: 3983268.9/68


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 36.157+/-24.471 χ²/NDF: 19.6/15
Left Out: -80.639+/-16.300 χ²/NDF:39.2/17
Right Out: -6.735+/-24.565 χ²/NDF: 20.3/18
Left In: -108.969+/-17.227 χ²/NDF:14.7/15
Left: -94.021+/-11.840 χ²/NDF: 55.4/33
Right: 14.793+/-17.337 χ²/NDF: 41.5/34
In: -60.882+/-14.086 χ²/NDF:57.9/31
Out: -58.047+/-13.582 χ²/NDF:65.8/36
All: -59.413+/-9.777 χ²/NDF: 123.8/68



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: 62.192+/-0.012 χ^2/NDF:152056.3/15

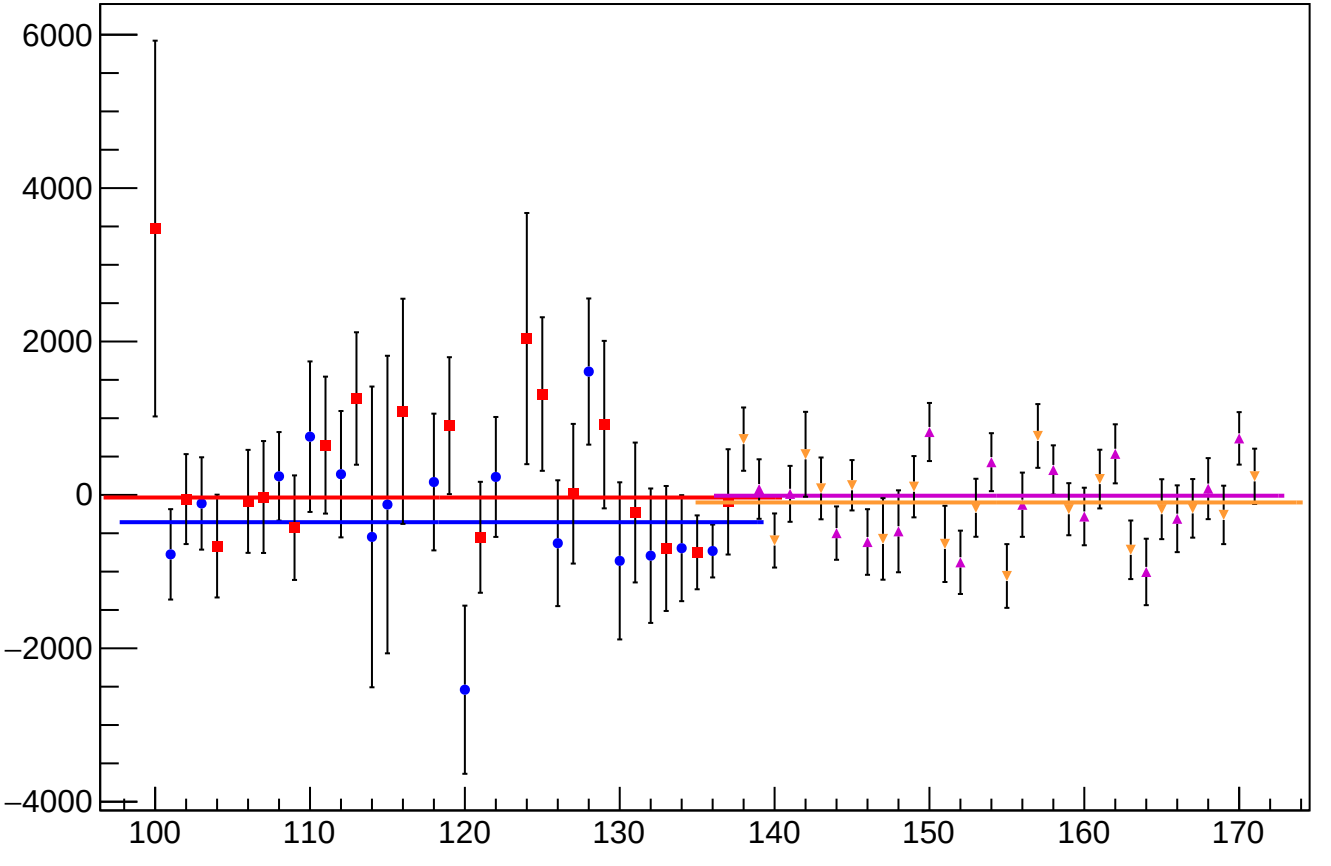
Left: 61.694+/-0.008 χ^2/NDF: 305761.1/33

Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.896+/-0.010 χ^2/NDF:694207.0/31

Out: 62.538+/-0.010 χ^2/NDF:673836.7/36

All: 62.710+/-0.007 χ^2/NDF: 1368713.0/68



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: -10.472+/-97.155 χ^2/NDF:29.6/15

Left: -56.242+/-67.216 χ^2/NDF: 54.4/33

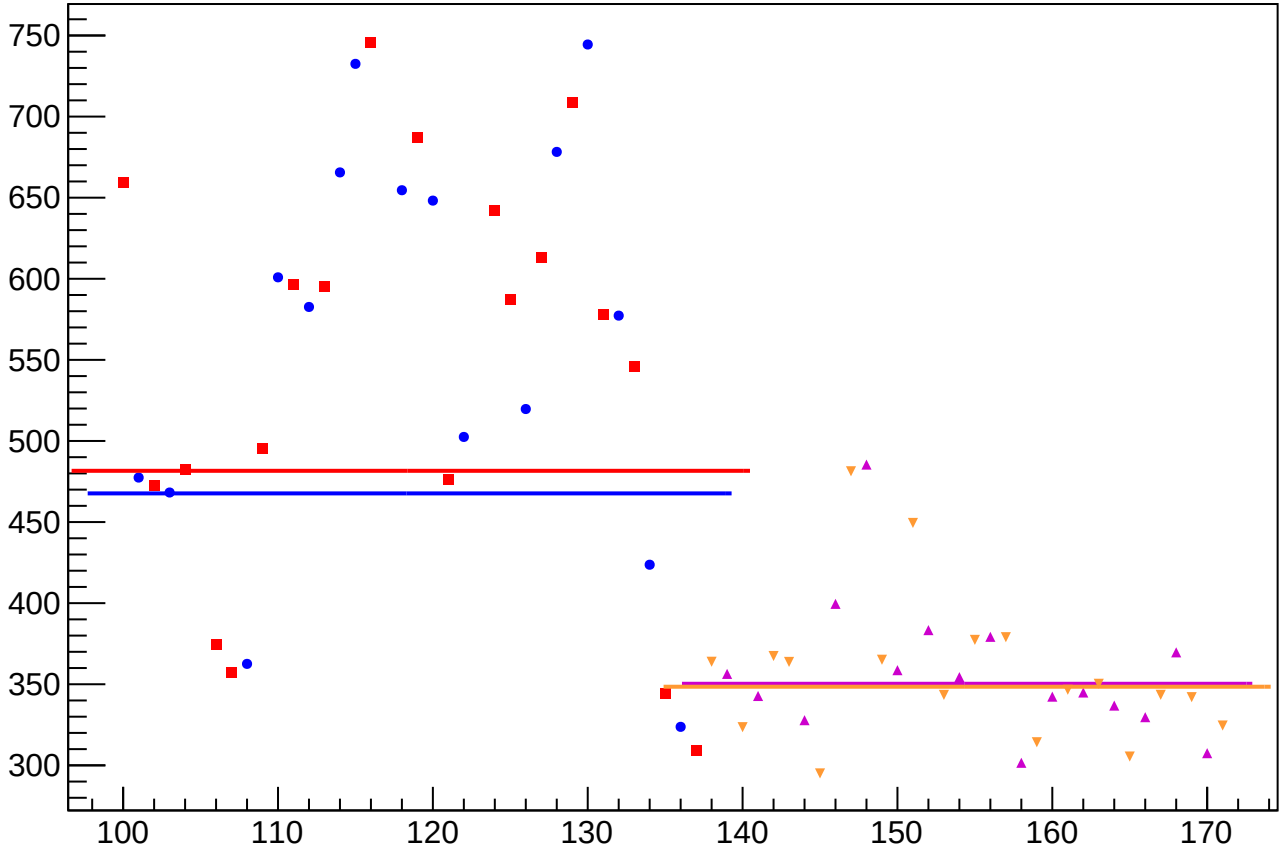
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -88.095+/-85.532 χ^2/NDF:47.2/31

Out: -84.842+/-82.837 χ^2/NDF:39.9/36

All: -86.416+/-59.505 χ^2/NDF: 87.1/68

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: 350.291+/-0.069 χ^2/NDF:277532.7/15

Left: 349.342+/-0.048 χ^2/NDF: 635157.2/33

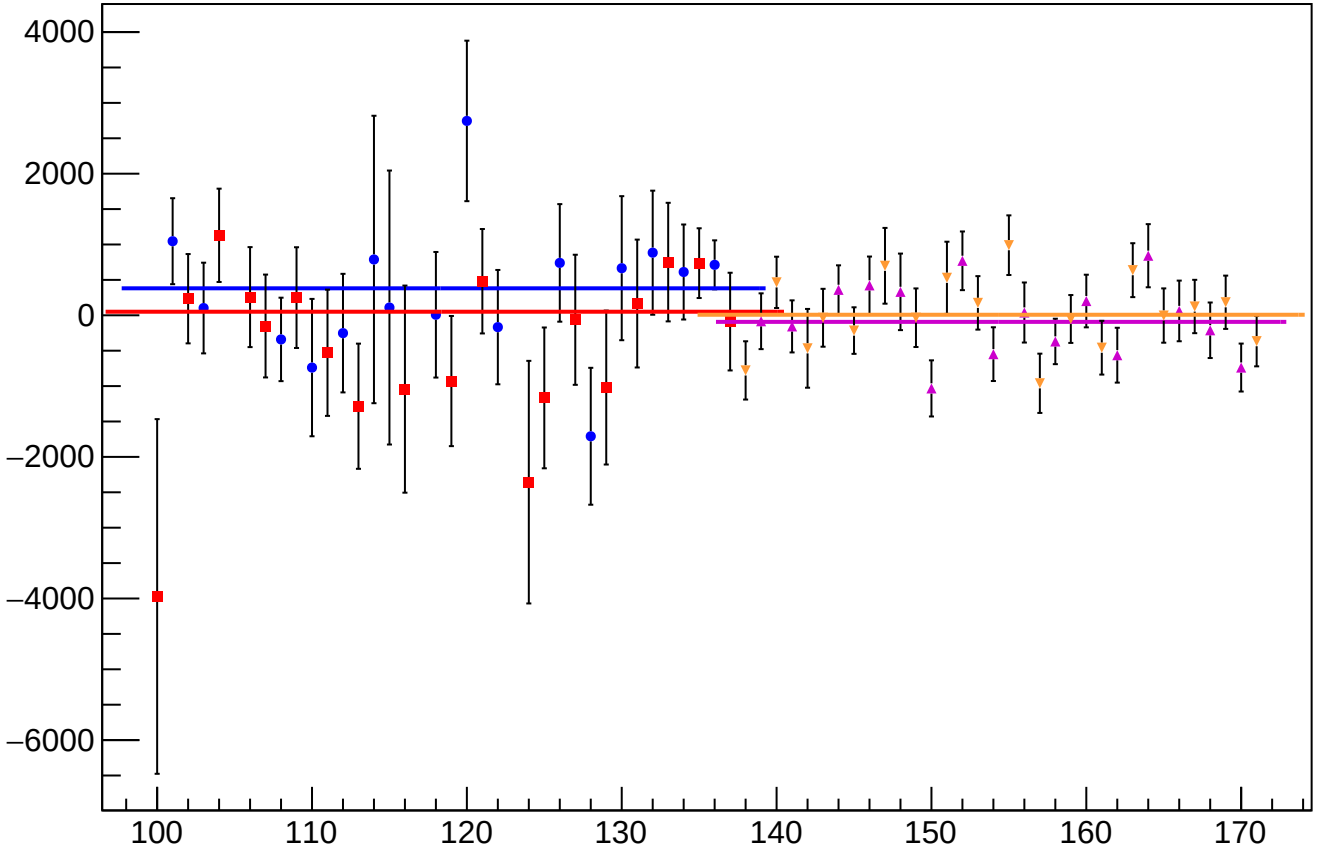
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 376.697+/-0.060 χ^2/NDF:1920242.7/31

Out: 376.184+/-0.059 χ^2/NDF:2062976.2/36

All: 376.432+/-0.042 χ^2/NDF: 3983256.0/68

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: -93.025+/-97.284 χ^2/NDF:26.5/15

Left: -40.630+/-67.329 χ^2/NDF: 52.9/33

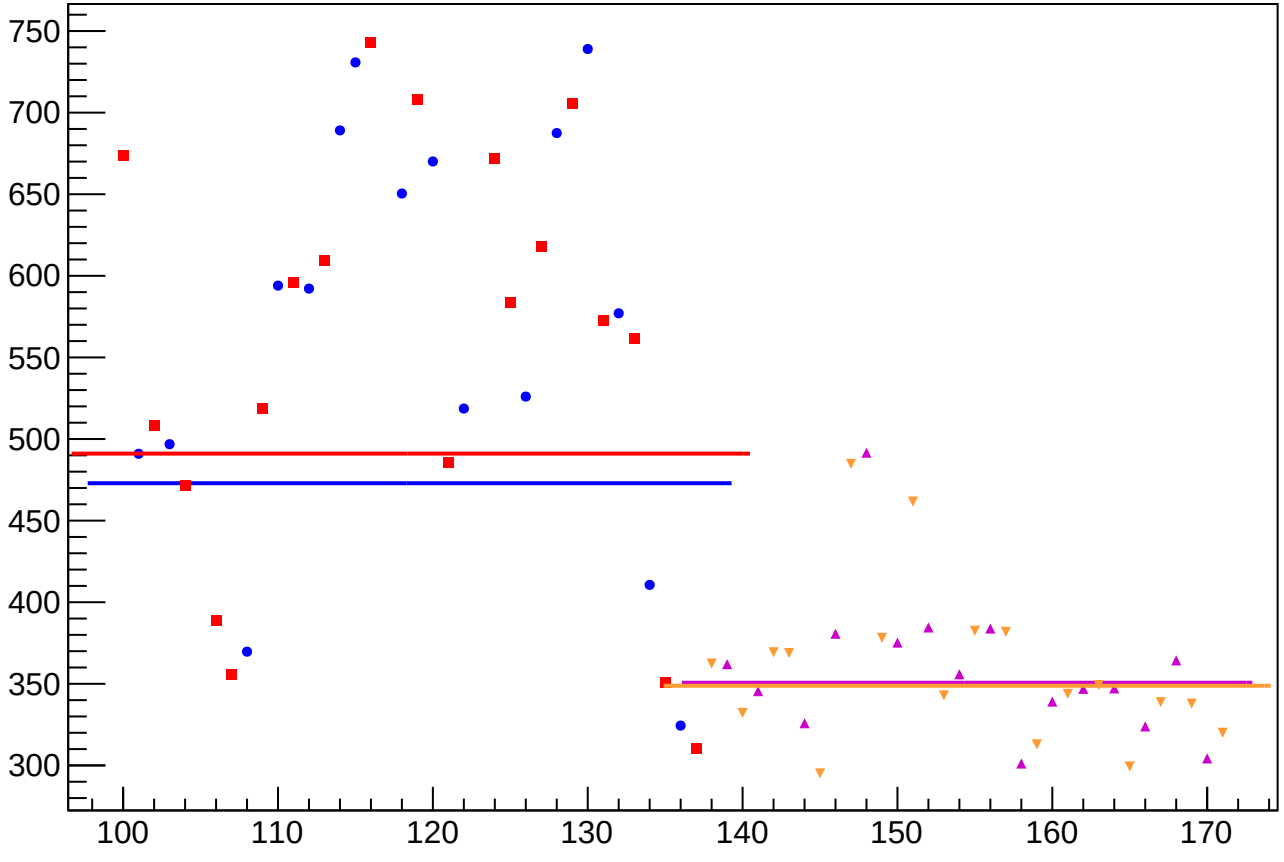
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: 11.746+/-85.864 χ^2/NDF:47.9/31

Out: 16.207+/-83.314 χ^2/NDF:43.4/36

All: 14.044+/-59.793 χ^2/NDF: 91.3/68

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: 350.659+/-0.069 χ^2/NDF:290597.3/15

Left: 349.701+/-0.048 χ^2/NDF: 693723.6/33

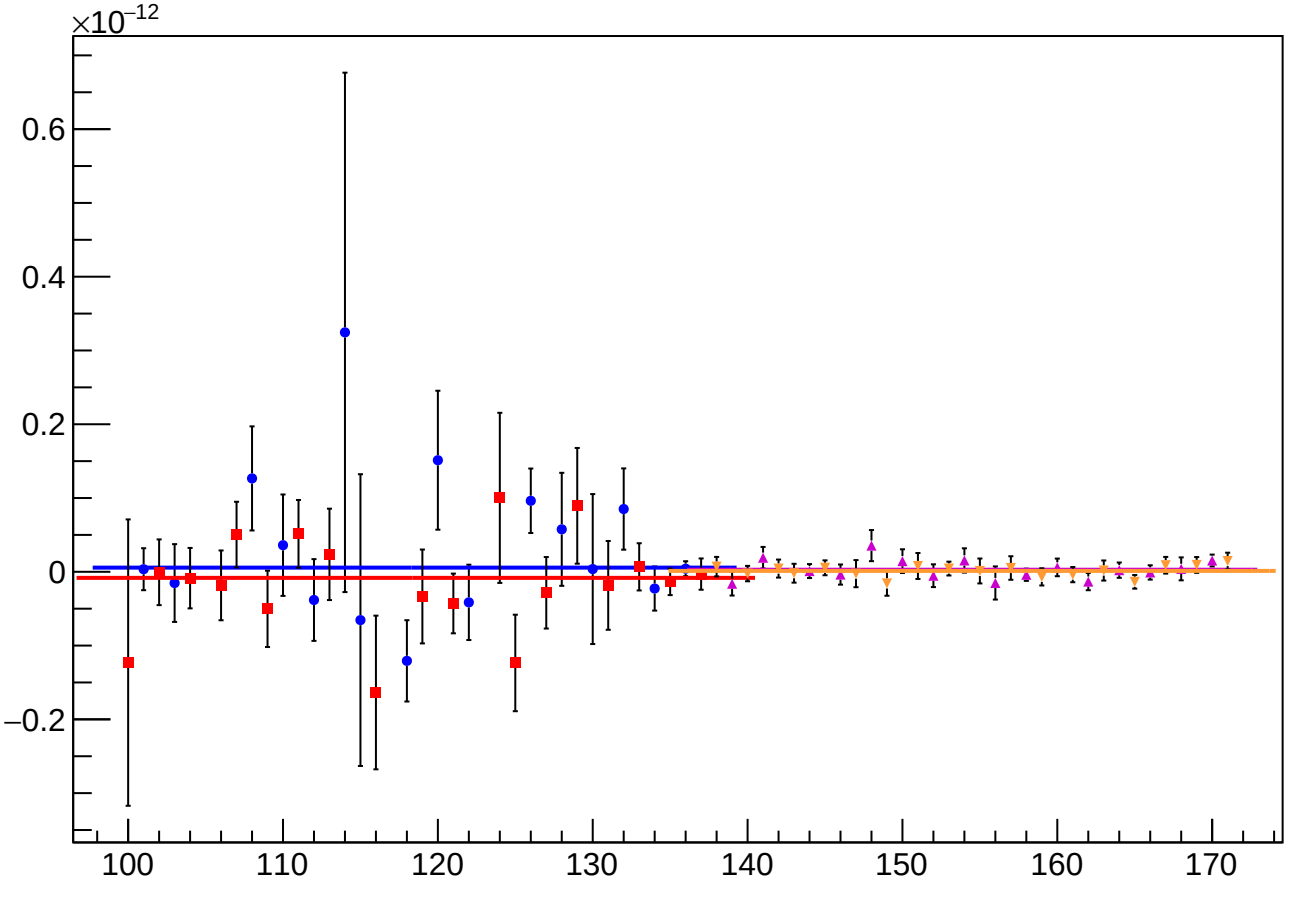
Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 377.678+/-0.061 χ^2/NDF:1988973.1/31

Out: 377.588+/-0.059 χ^2/NDF:2190806.9/36

All: 377.631+/-0.042 χ^2/NDF: 4179781.2/68

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.7/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.5/15

Left: 0.000+/-0.000 χ^2/NDF: 20.4/33

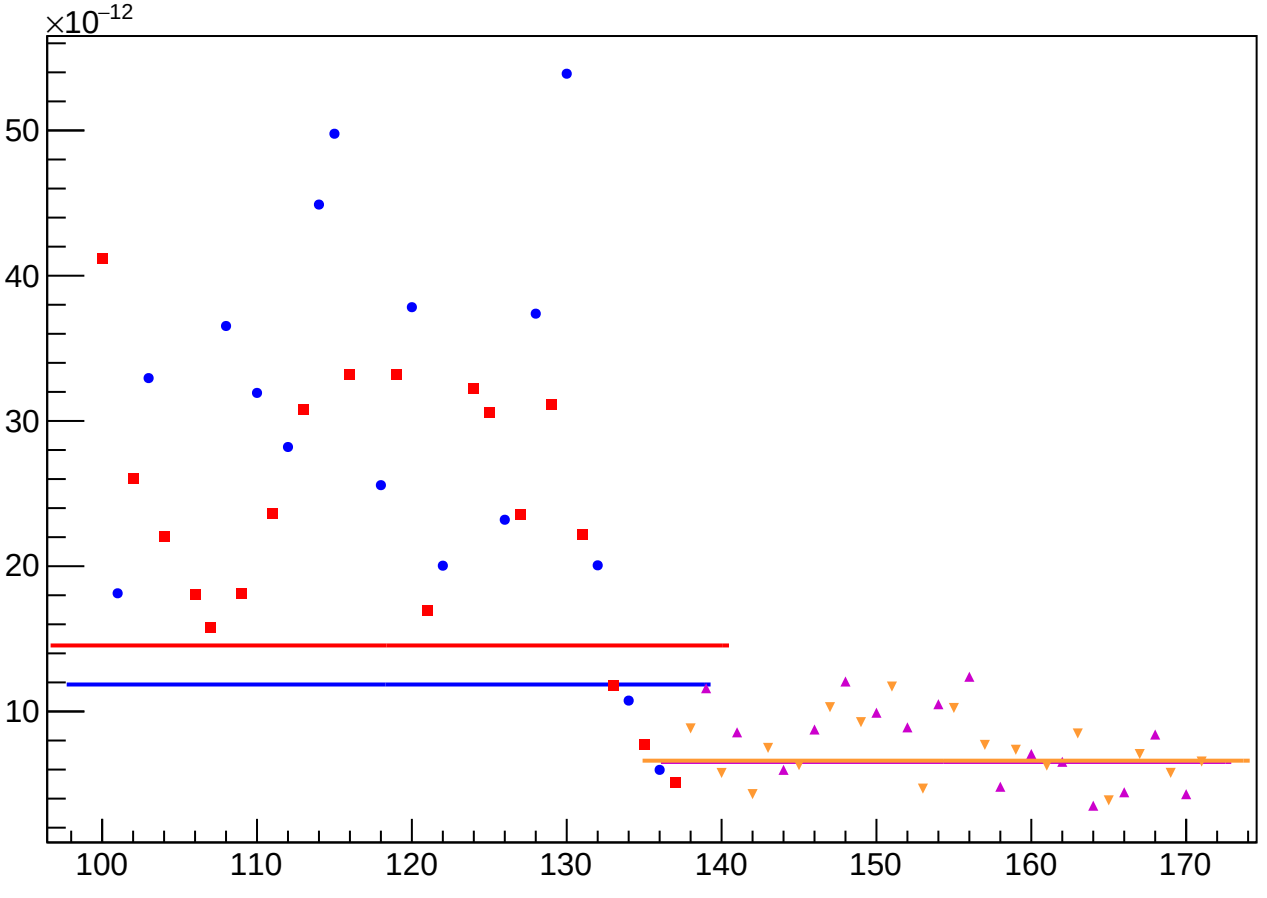
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:33.8/31

Out: 0.000+/-0.000 χ^2/NDF:22.7/36

All: 0.000+/-0.000 χ^2/NDF: 56.9/68

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:1358805.6/15

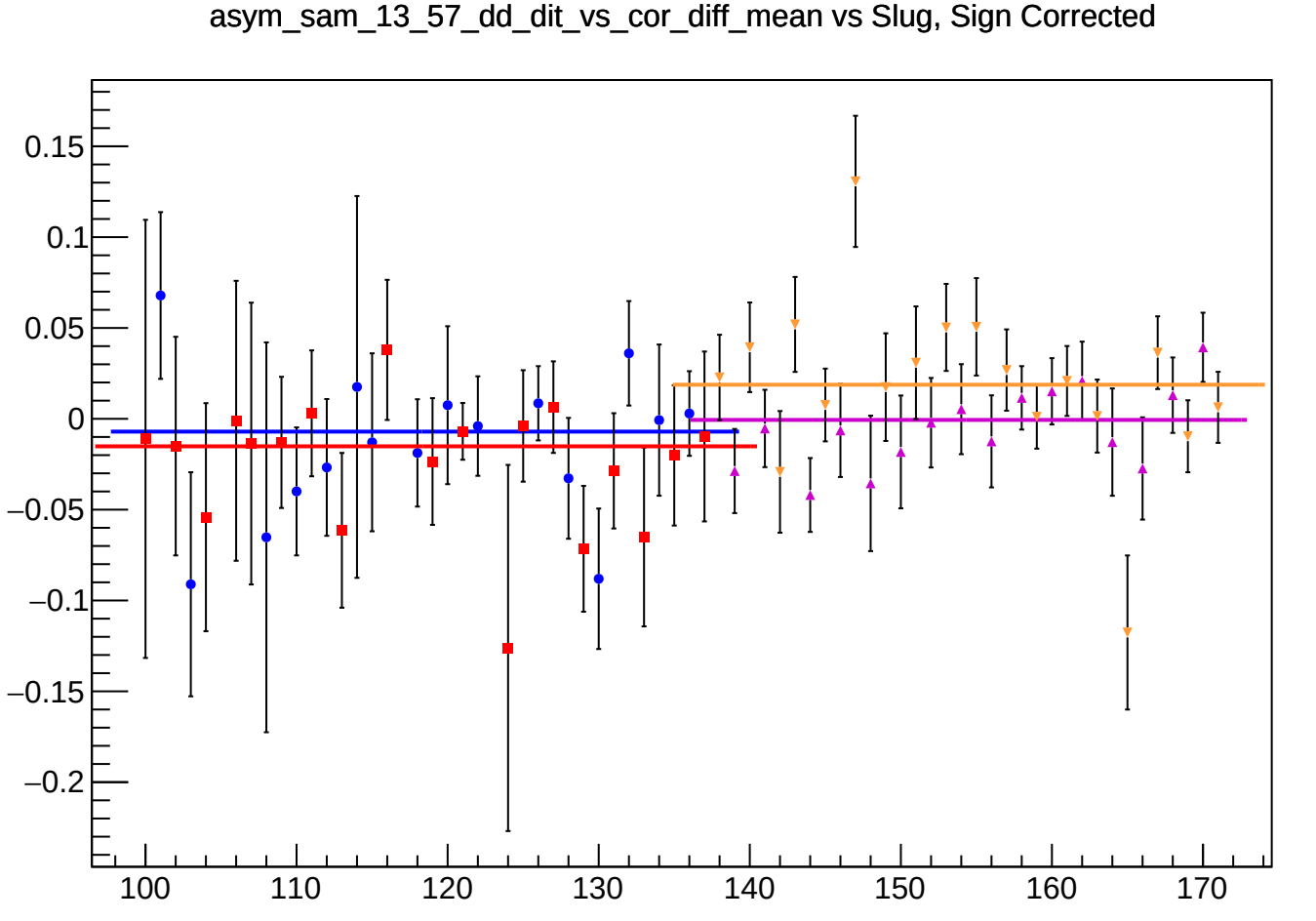
Left: 0.000+/-0.000 χ^2/NDF: 2235629.4/33

Right: 0.000+/-0.000 χ^2/NDF: 4713356.4/34

In: 0.000+/-0.000 χ^2/NDF:4967266.6/31

Out: 0.000+/-0.000 χ^2/NDF:3978802.6/36

All: 0.000+/-0.000 χ^2/NDF: 8947740.7/68



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+/-0.006 χ^2/NDF:15.3/15

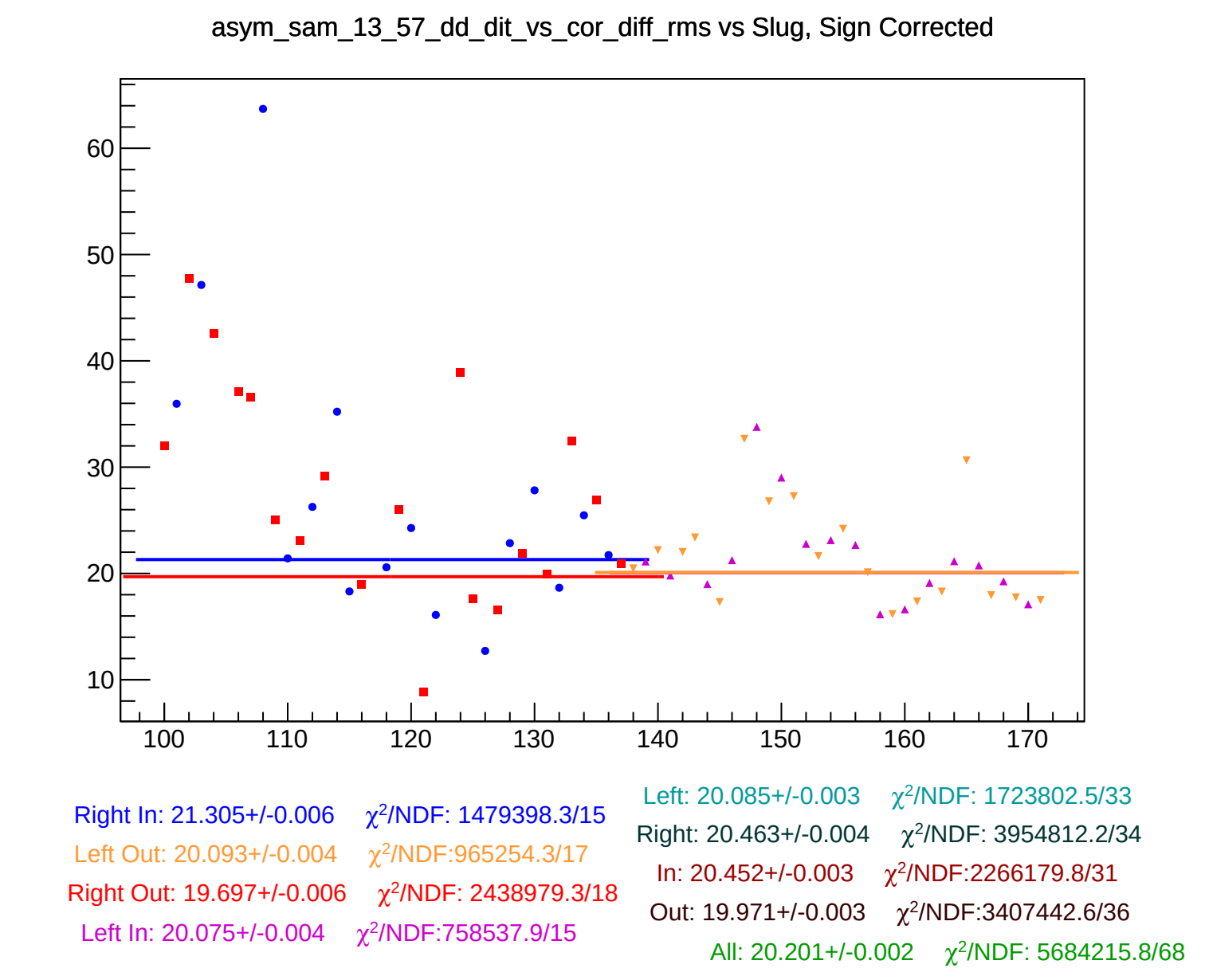
Left: 0.009+/-0.004 χ^2/NDF: 54.3/33

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

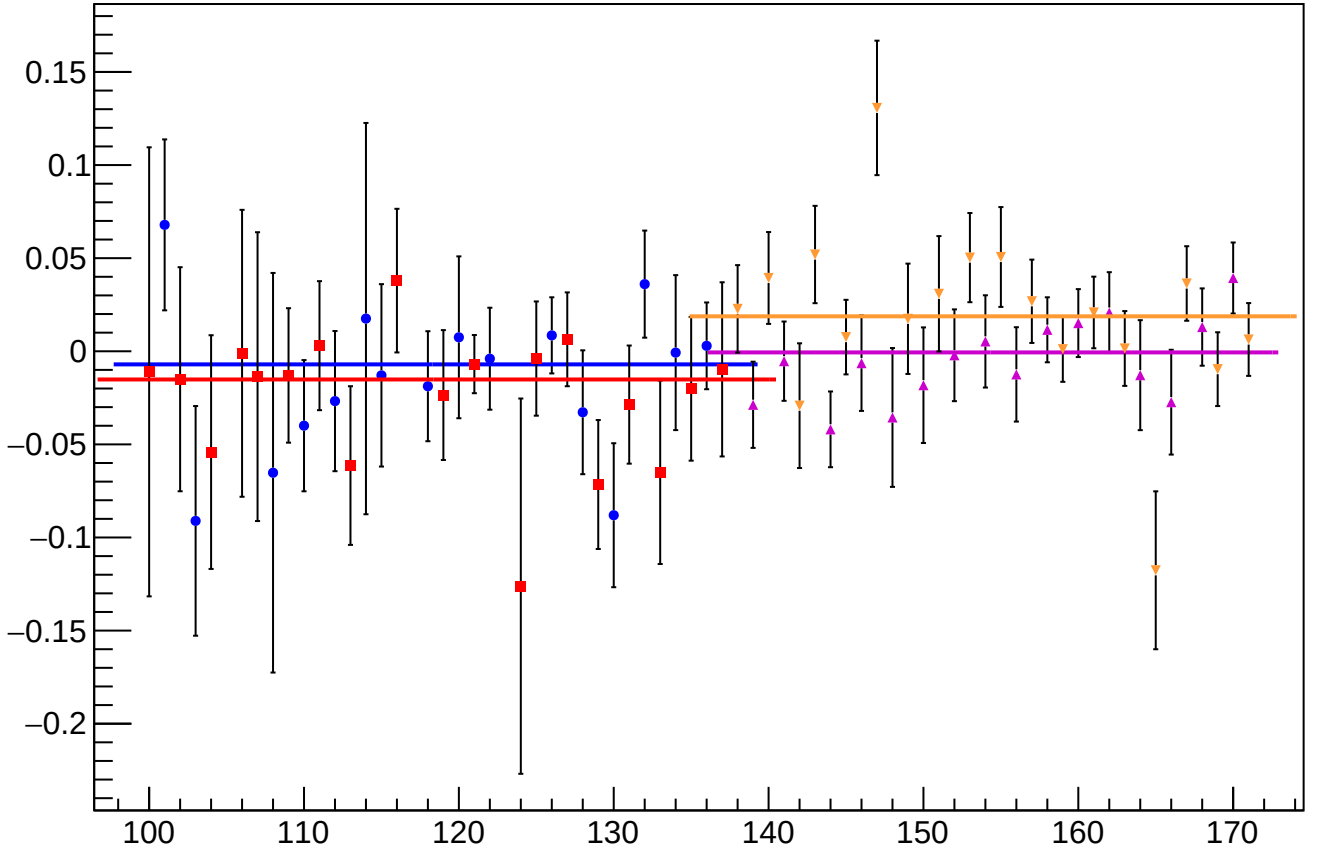
In: -0.003+/-0.005 χ^2/NDF:30.0/31

Out: 0.008+/-0.005 χ^2/NDF:54.9/36

All: 0.003+/-0.003 χ^2/NDF: 87.6/68


asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 21.305+/-0.006 χ²/NDF: 1479398.3/15
Left Out: 20.093+/-0.004 χ²/NDF:965254.3/17
Right Out: 19.697+/-0.006 χ²/NDF: 2438979.3/18
Left In: 20.075+/-0.004 χ²/NDF:758537.9/15
Left: 20.085+/-0.003 χ²/NDF: 1723802.5/33
Right: 20.463+/-0.004 χ²/NDF: 3954812.2/34
In: 20.452+/-0.003 χ²/NDF:2266179.8/31
Out: 19.971+/-0.003 χ²/NDF:3407442.6/36
All: 20.201+/-0.002 χ²/NDF: 5684215.8/68

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.006 χ^2/NDF:33.1/17

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.006 χ^2/NDF:15.3/15

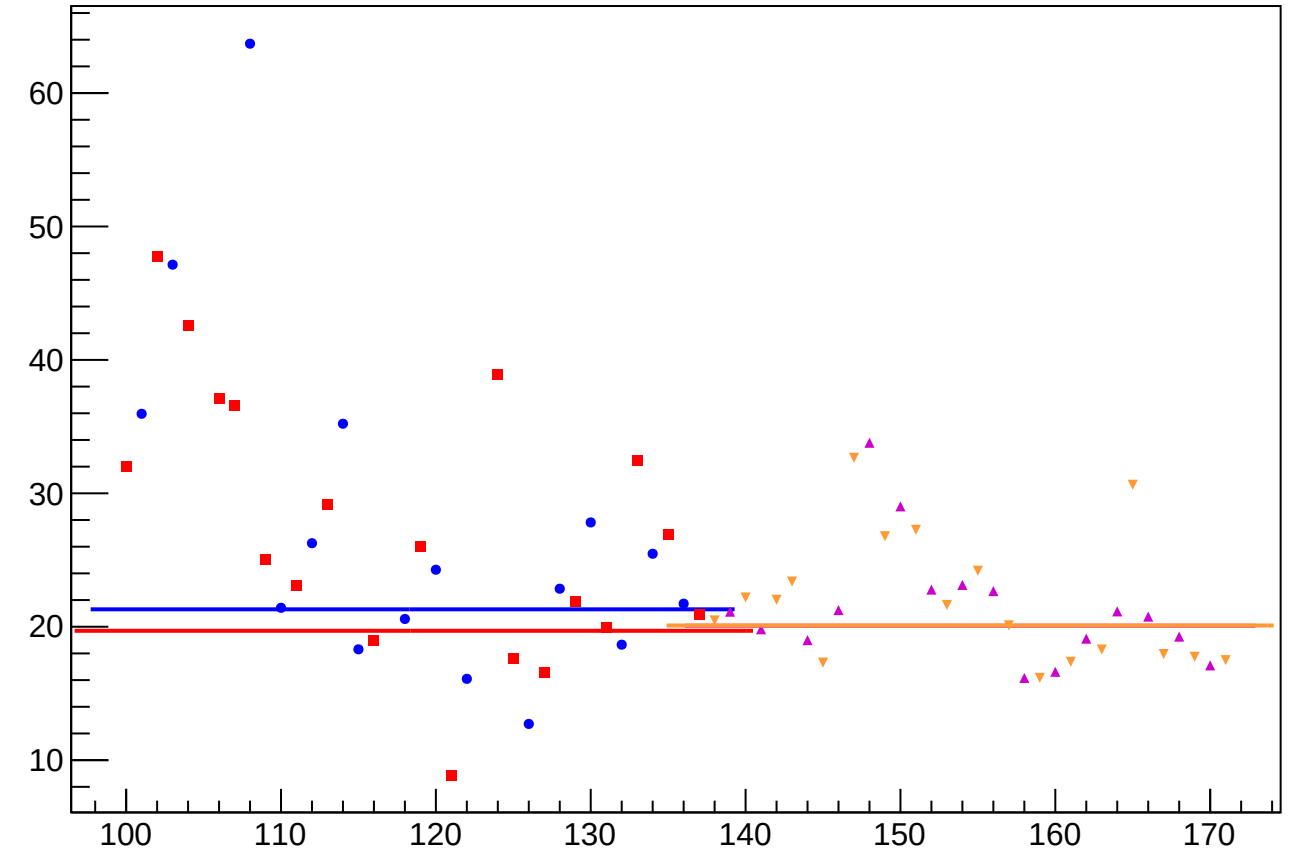
Left: 0.009+/-0.004 χ^2/NDF: 54.3/33

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.0/31

Out: 0.008+/-0.005 χ^2/NDF:54.9/36

All: 0.003+/-0.003 χ^2/NDF: 87.6/68



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: 20.075+/-0.004 χ^2/NDF:758537.9/15

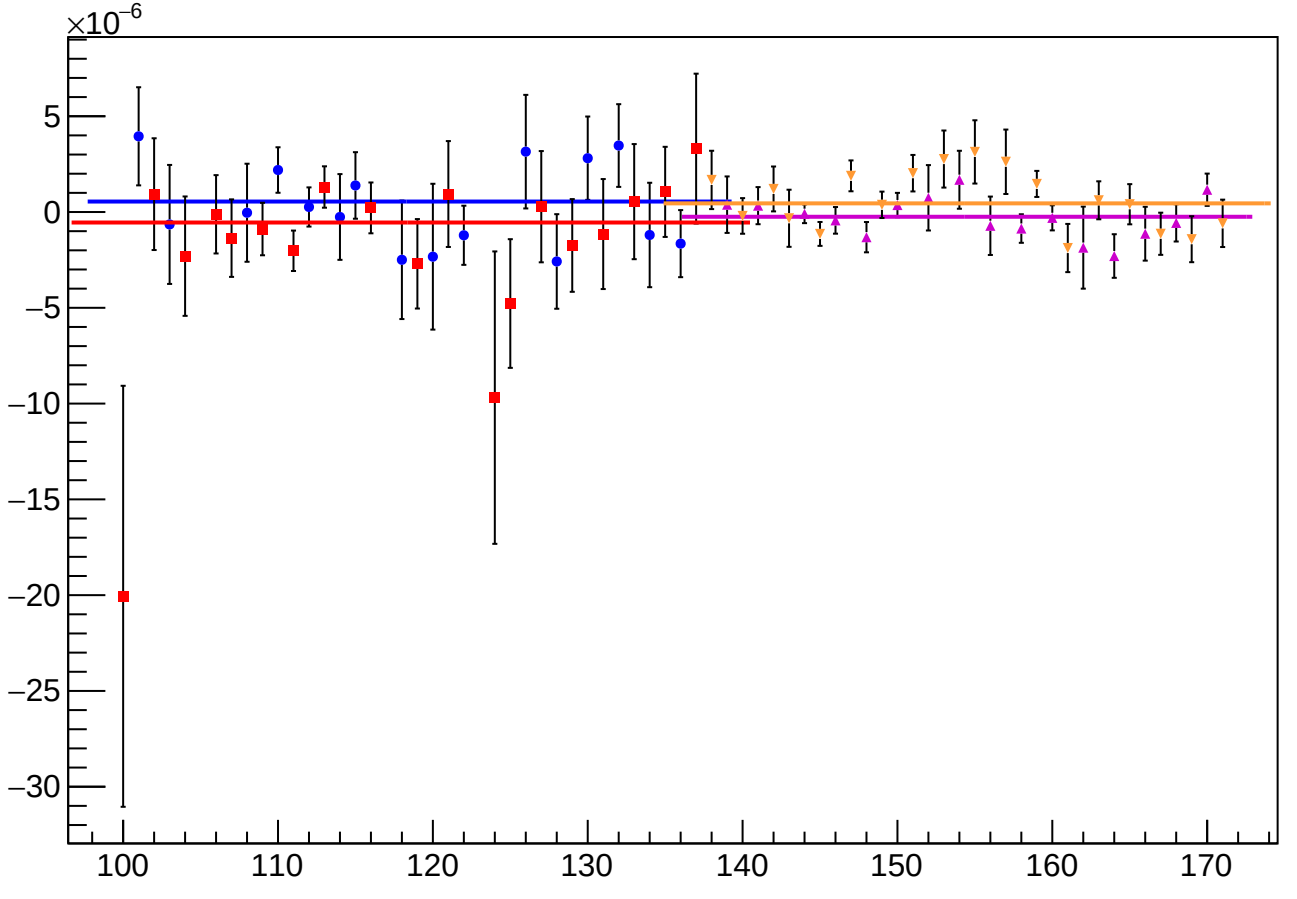
Left: 20.085+/-0.003 χ^2/NDF: 1723802.5/33

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.452+/-0.003 χ^2/NDF:2266179.8/31

Out: 19.971+/-0.003 χ^2/NDF:3407442.6/36

All: 20.201+/-0.002 χ^2/NDF: 5684215.8/68



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:13.3/15

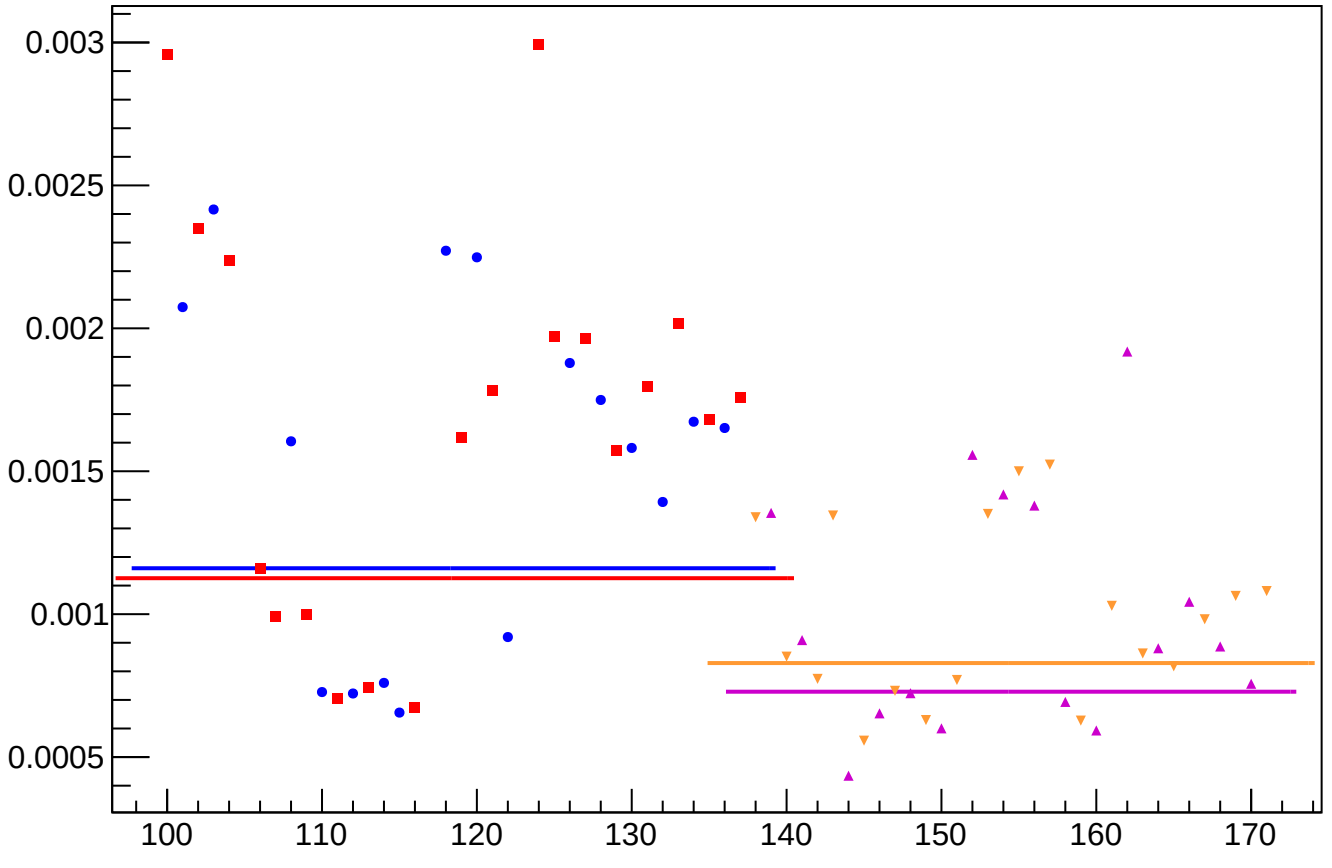
Left: 0.000+/-0.000 χ^2/NDF: 50.0/33

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.1/31

Out: 0.000+/-0.000 χ^2/NDF:51.0/36

All: 0.000+/-0.000 χ^2/NDF: 82.6/68



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:3407579.3/15

Left: 0.001+/-0.000 χ^2/NDF: 6000554.3/33

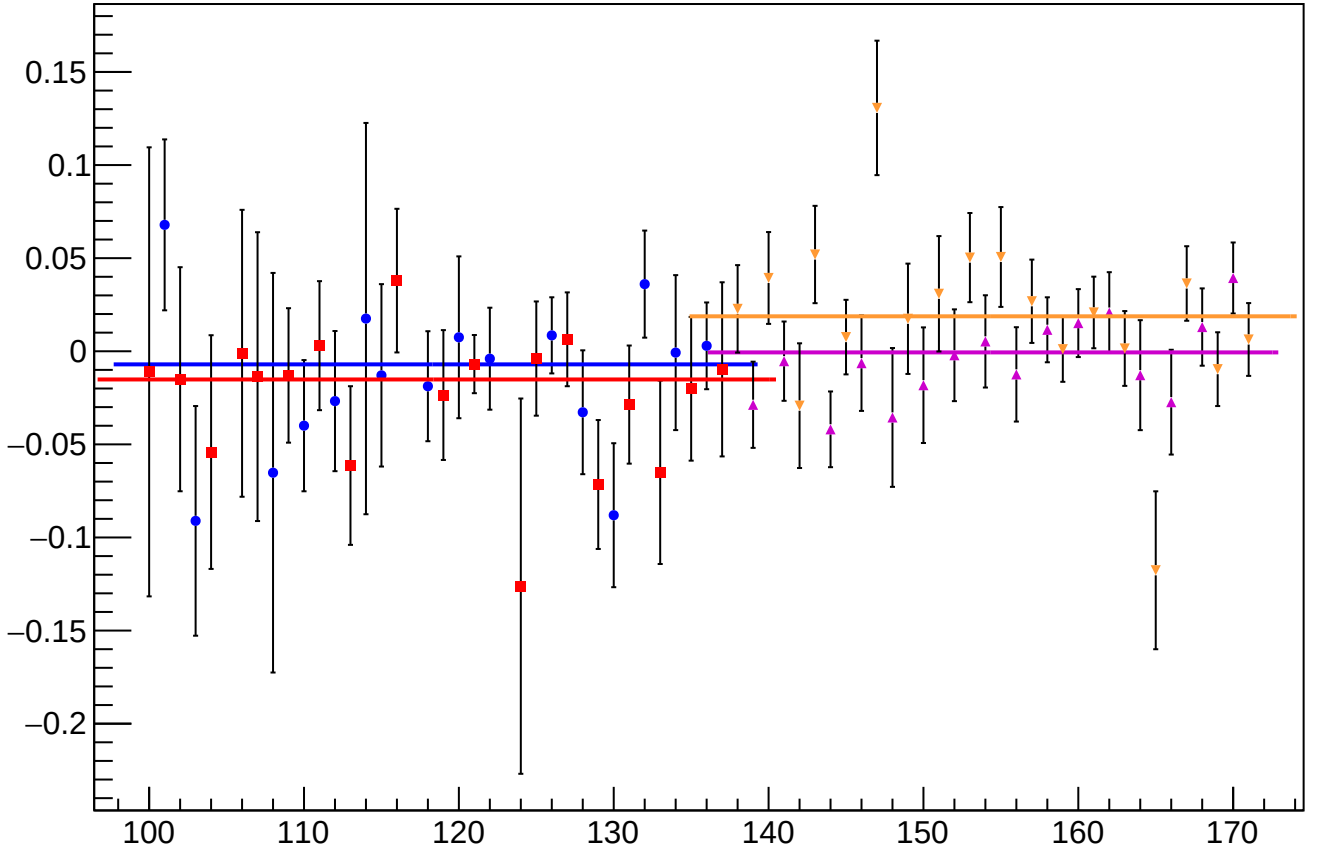
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7291811.2/31

Out: 0.001+/-0.000 χ^2/NDF:5684960.3/36

All: 0.001+/-0.000 χ^2/NDF: 13163787.2/68

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+/-0.006 χ^2/NDF:15.3/15

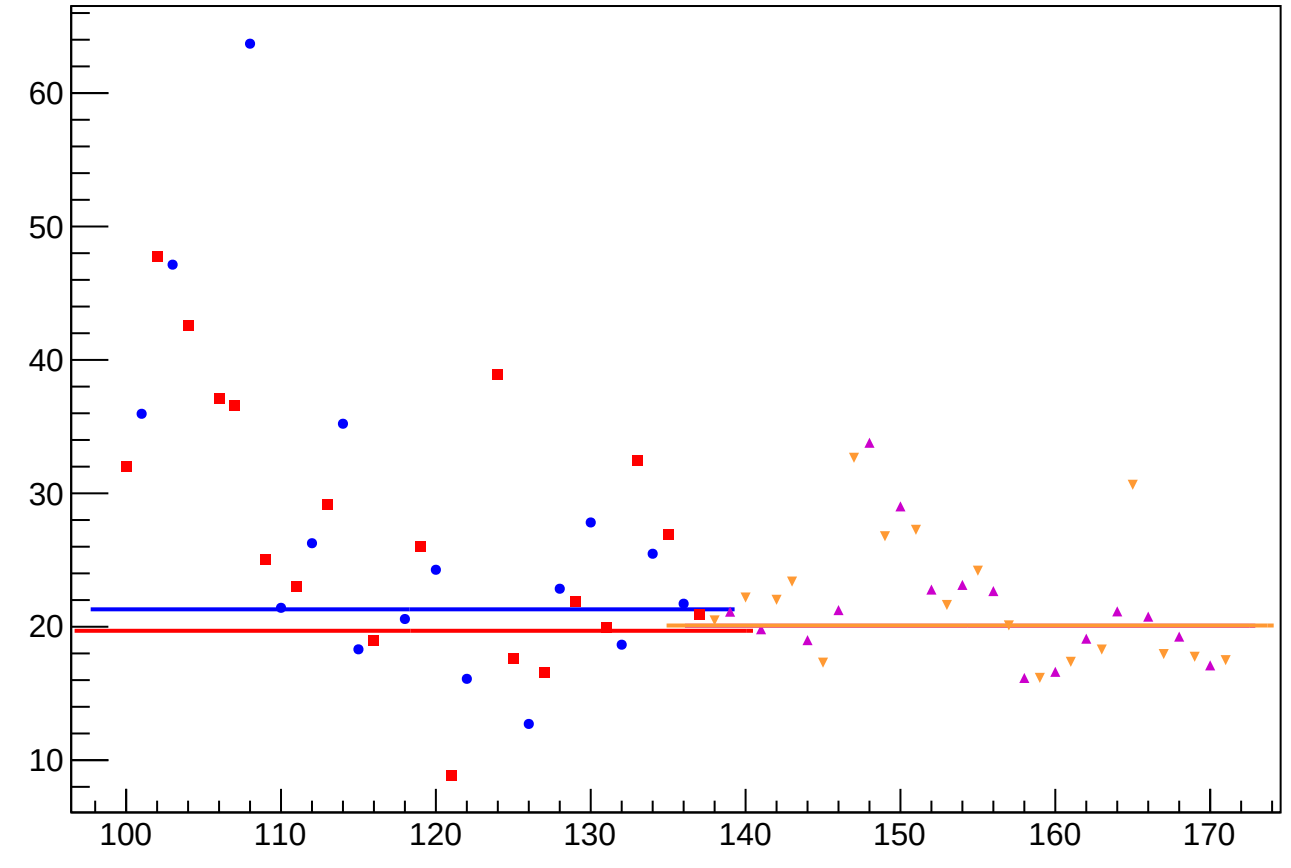
Left: 0.009+/-0.004 χ^2/NDF: 54.3/33

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.0/31

Out: 0.008+/-0.005 χ^2/NDF:54.9/36

All: 0.003+/-0.003 χ^2/NDF: 87.6/68



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: 20.075+/-0.004 χ^2/NDF:758643.1/15

Left: 20.084+/-0.003 χ^2/NDF: 1724054.8/33

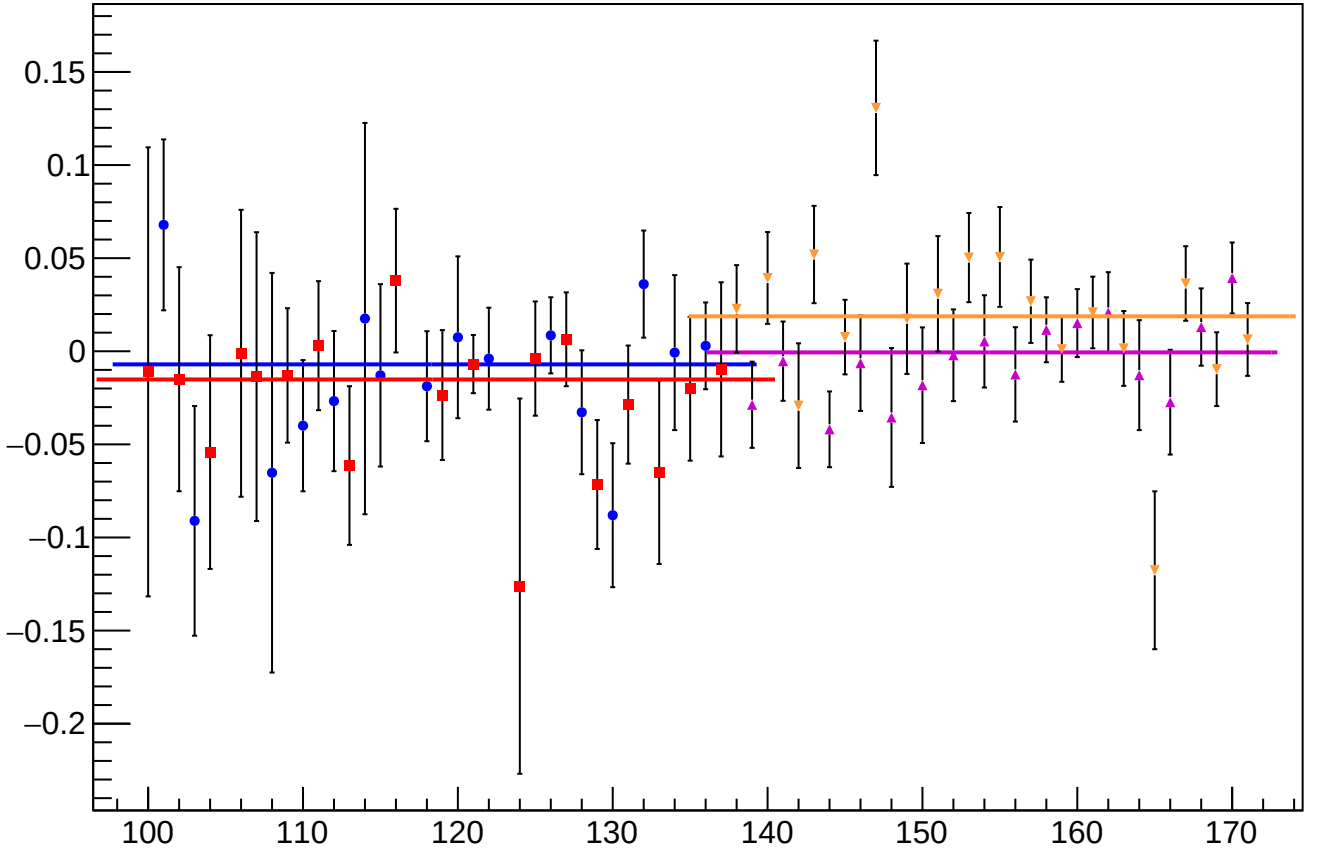
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.452+/-0.003 χ^2/NDF:2266135.1/31

Out: 19.971+/-0.003 χ^2/NDF:3407210.5/36

All: 20.201+/-0.002 χ^2/NDF: 5683934.5/68

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.019+/-0.006 χ^2/NDF:33.1/17

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.001+/-0.006 χ^2/NDF:15.3/15

Left: 0.009+/-0.004 χ^2/NDF: 54.3/33

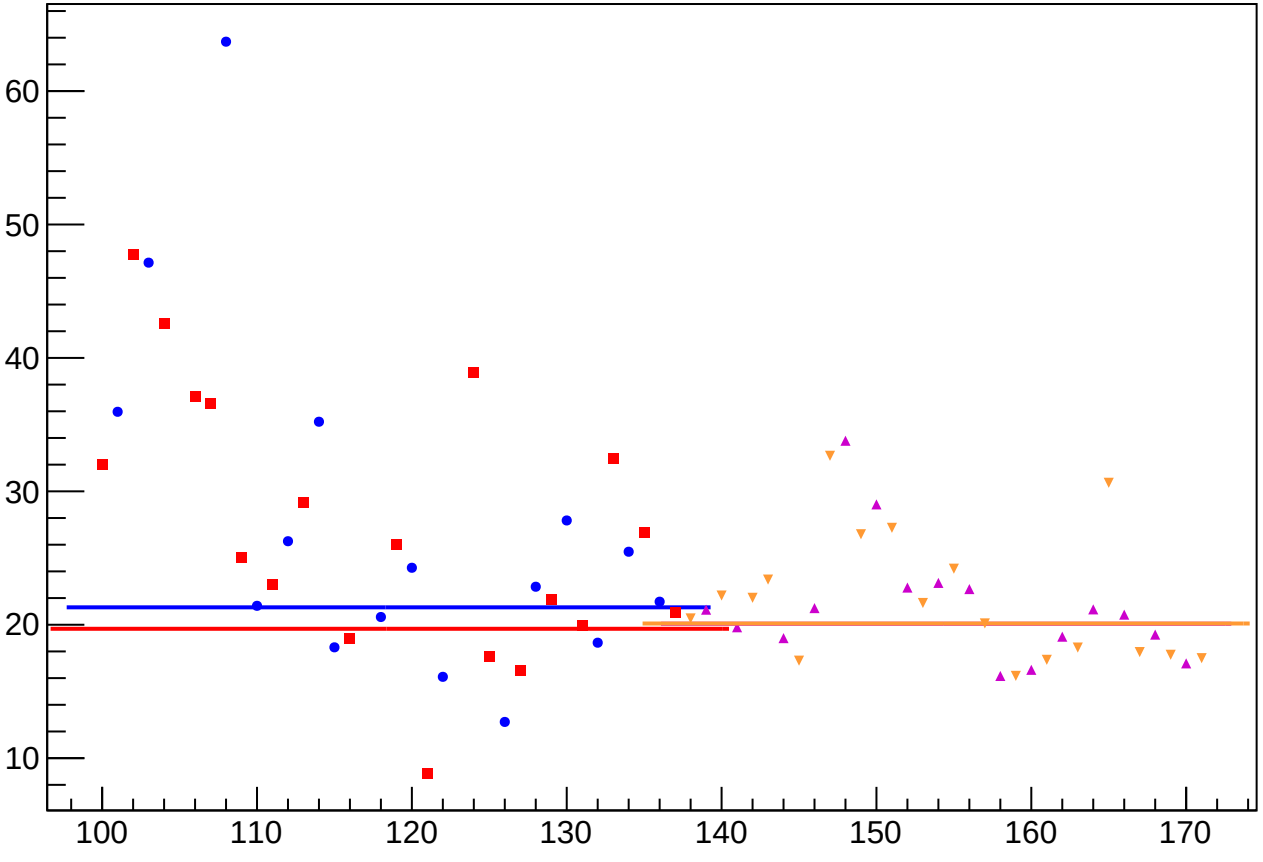
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.0/31

Out: 0.008+/-0.005 χ^2/NDF:54.9/36

All: 0.003+/-0.003 χ^2/NDF: 87.6/68

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 20.093+/-0.004 χ^2/NDF:965401.4/17

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 20.075+/-0.004 χ^2/NDF:758643.1/15

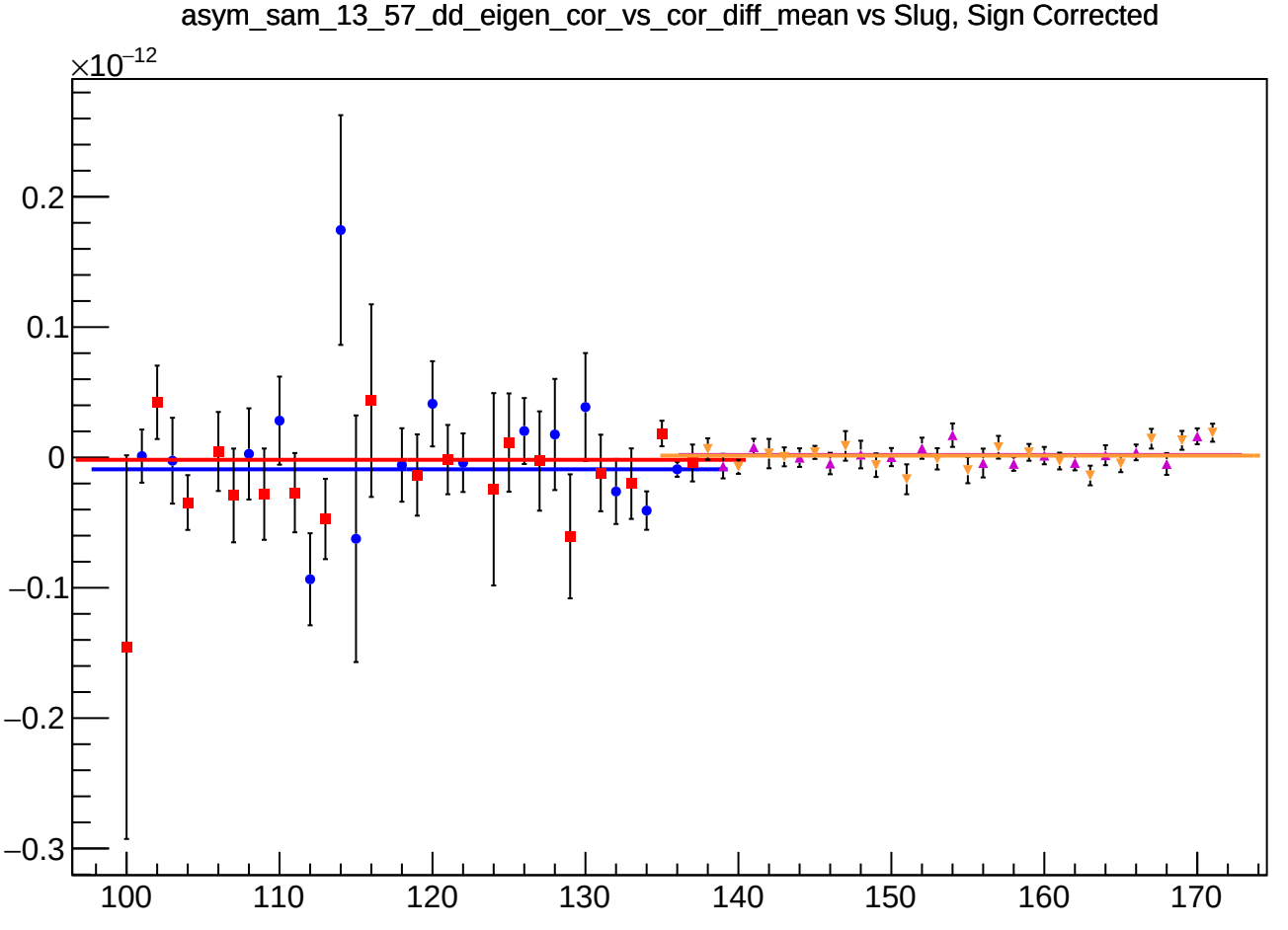
Left: 20.084+/-0.003 χ^2/NDF: 1724054.8/33

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.452+/-0.003 χ^2/NDF:2266135.1/31

Out: 19.971+/-0.003 χ^2/NDF:3407210.5/36

All: 20.201+/-0.002 χ^2/NDF: 5683934.5/68



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/15

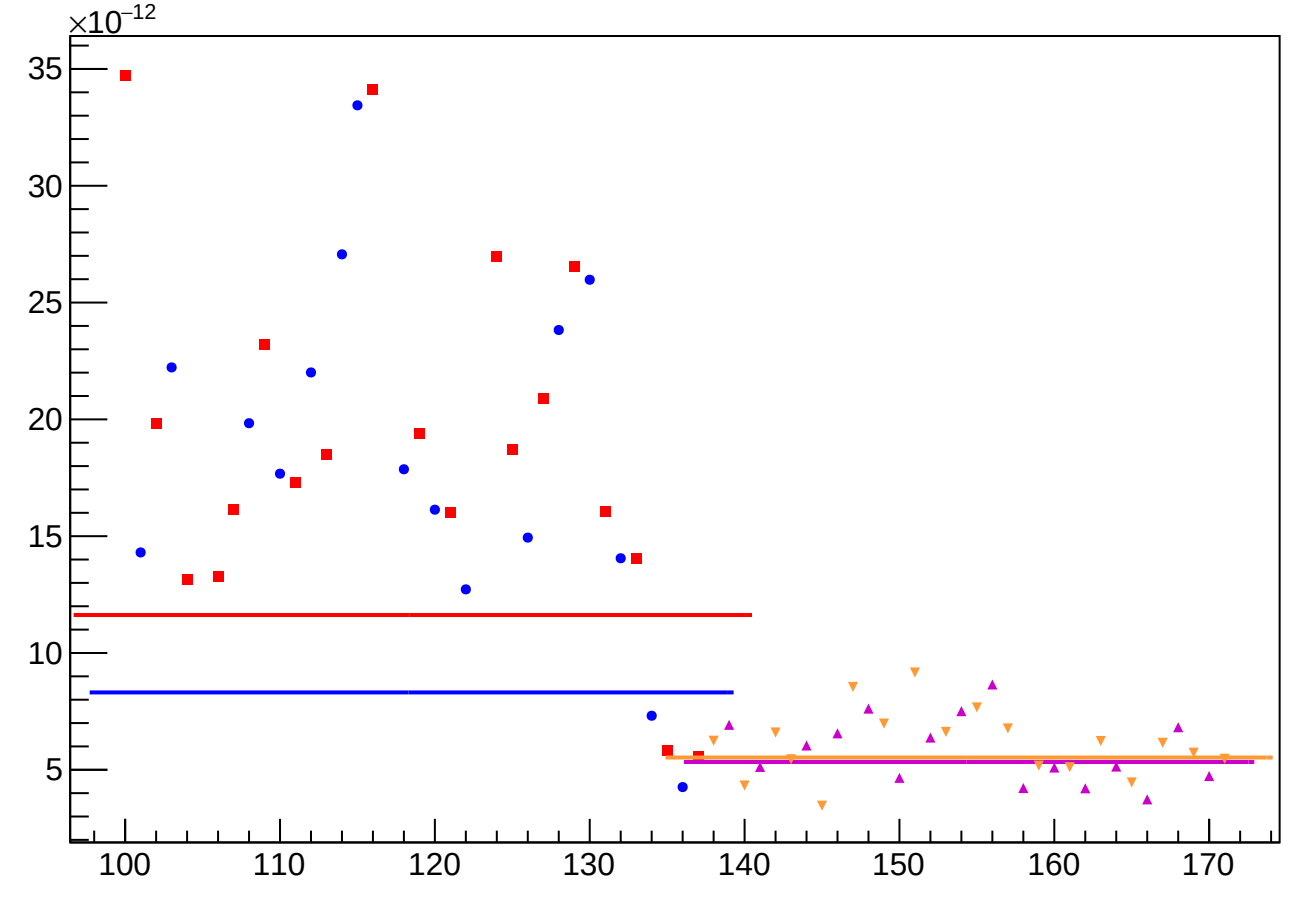
Left: 0.000+/-0.000 χ^2/NDF: 41.4/33

Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:42.9/31

Out: 0.000+/-0.000 χ^2/NDF:43.5/36

All: 0.000+/-0.000 χ^2/NDF: 86.5/68



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:959202.2/15

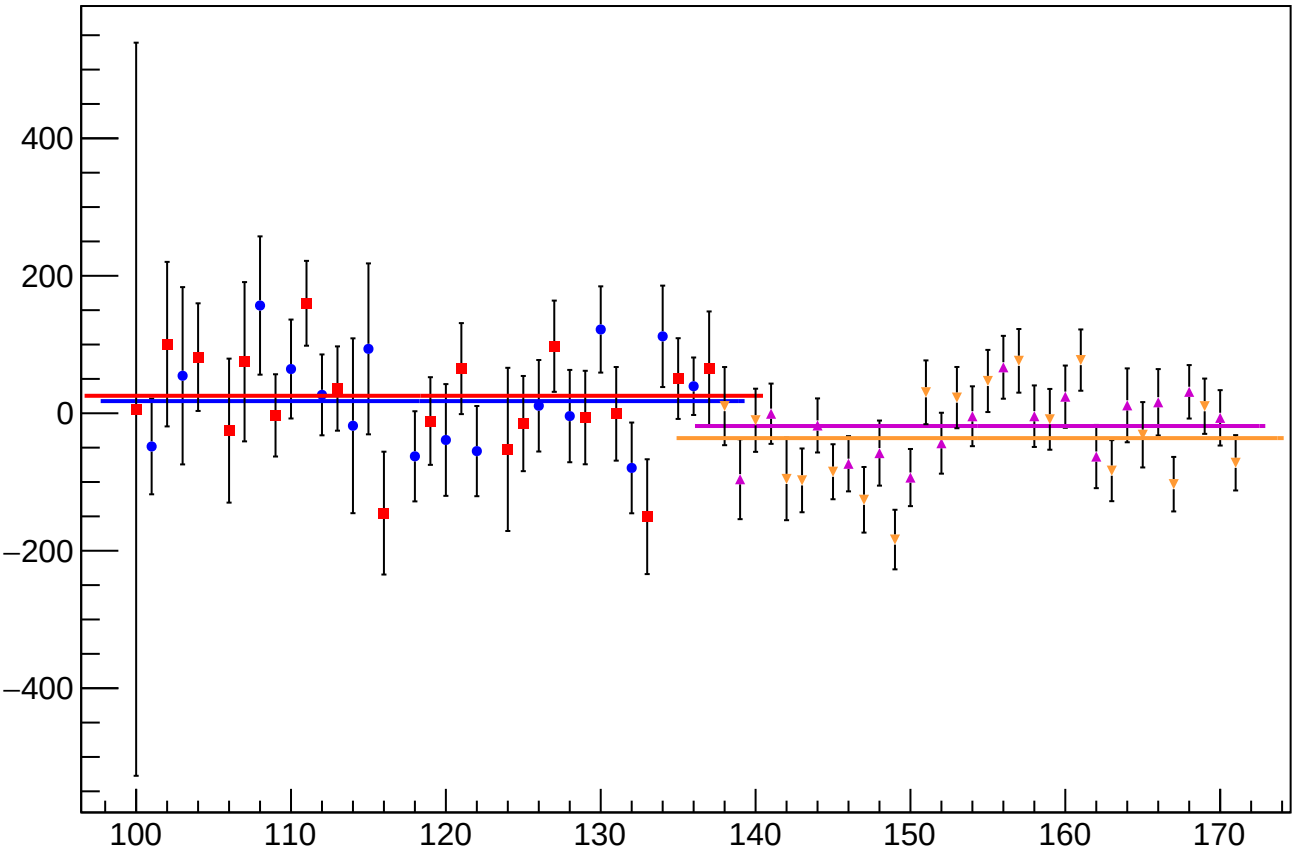
Left: 0.000+/-0.000 χ^2/NDF: 2105985.2/33

Right: 0.000+/-0.000 χ^2/NDF: 6760845.1/34

In: 0.000+/-0.000 χ^2/NDF:5448222.4/31

Out: 0.000+/-0.000 χ^2/NDF:5849964.5/36

All: 0.000+/-0.000 χ^2/NDF: 11332263.8/68



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: -18.545+/-11.088 χ^2/NDF:16.1/15

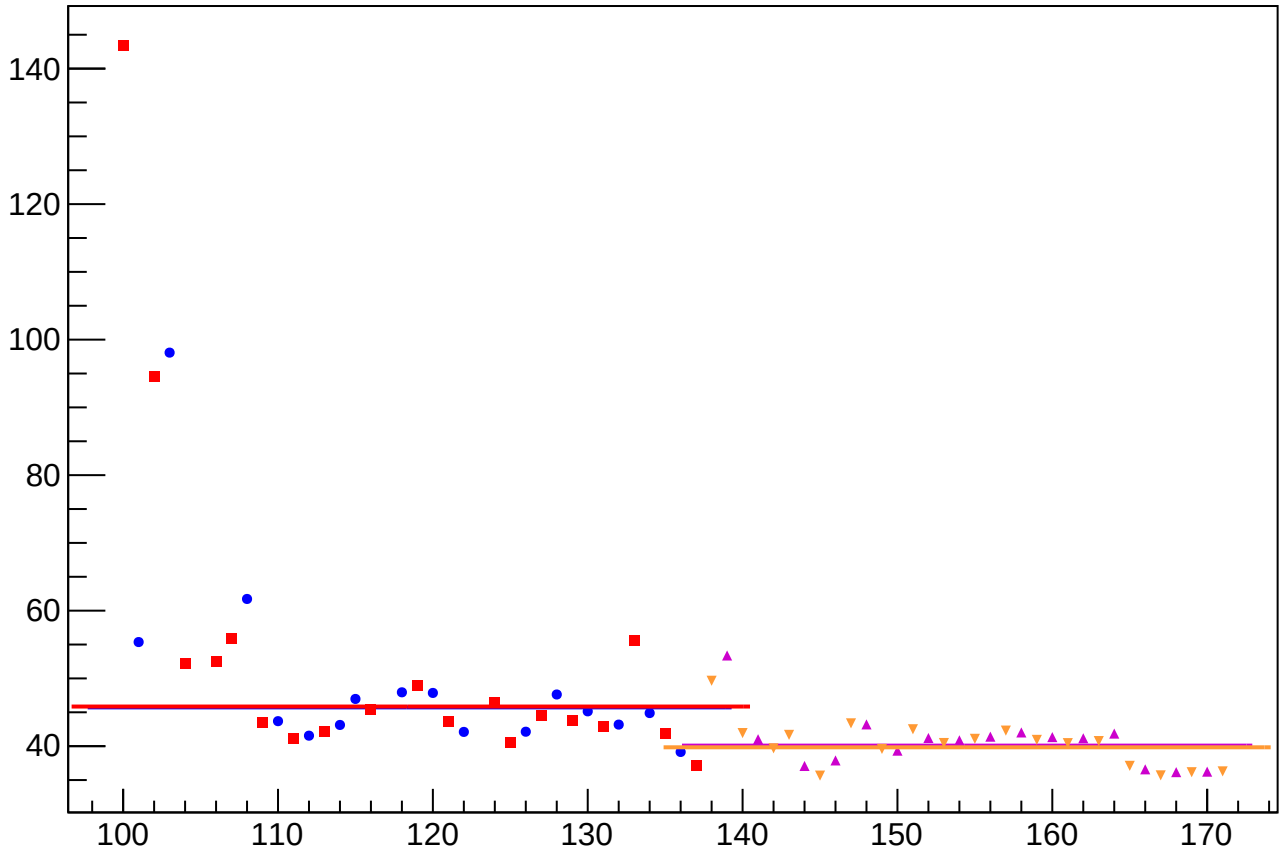
Left: -27.728+/-7.667 χ^2/NDF: 63.9/33

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -8.136+/-9.362 χ^2/NDF:33.2/31

Out: -19.356+/-9.051 χ^2/NDF:73.5/36

All: -13.936+/-6.507 χ^2/NDF: 107.4/68



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: 40.081+/-0.008 χ^2/NDF:193810.2/15

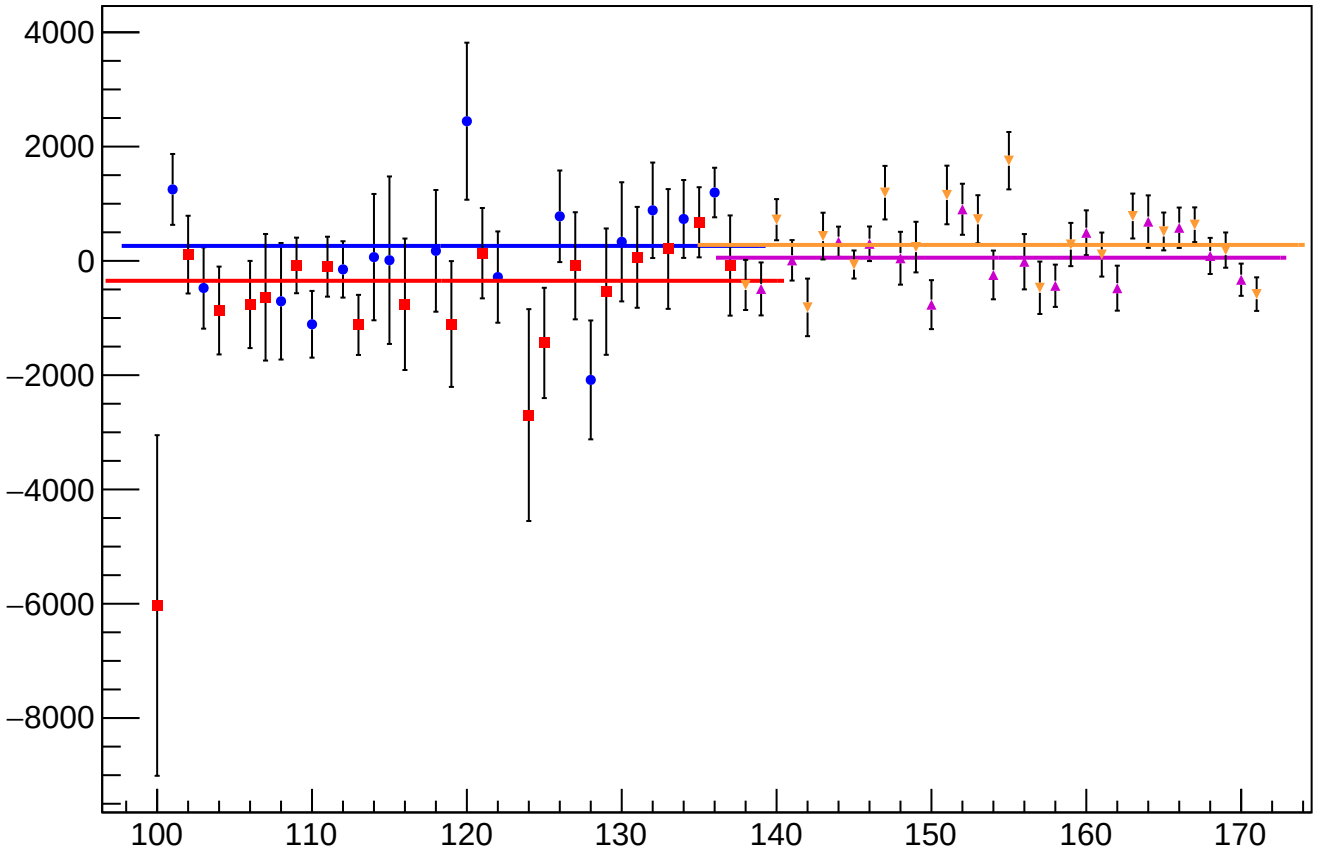
Left: 39.951+/-0.005 χ^2/NDF: 371562.5/33

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 41.702+/-0.007 χ^2/NDF:844168.5/31

Out: 41.472+/-0.006 χ^2/NDF:892629.0/36

All: 41.583+/-0.005 χ^2/NDF: 1737421.2/68



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: 55.269+/-91.935 χ^2/NDF:21.8/15

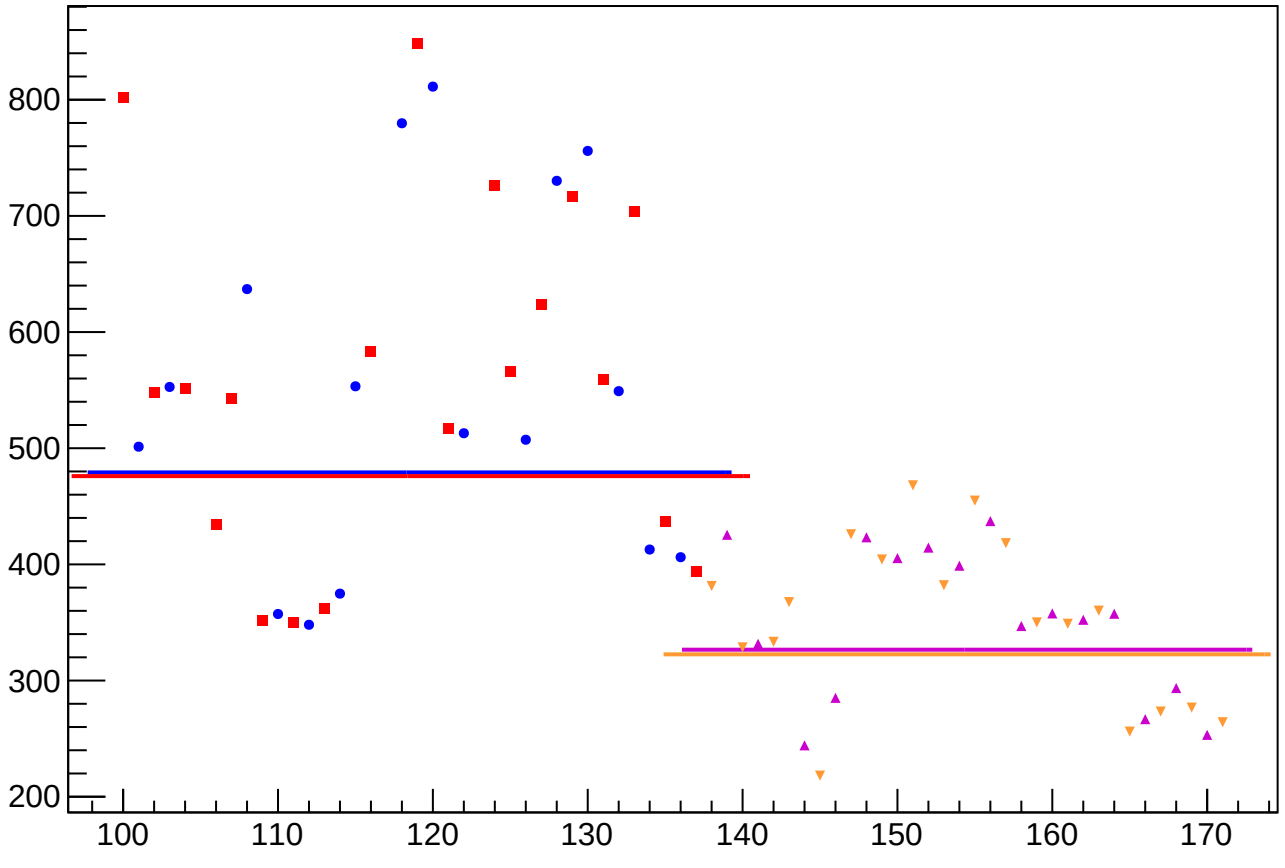
Left: 172.384+/-63.522 χ^2/NDF: 67.3/33

Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 96.125+/-82.348 χ^2/NDF:47.7/31

Out: 159.241+/-79.020 χ^2/NDF:67.1/36

All: 128.984+/-57.016 χ^2/NDF: 115.1/68



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: 326.568+/-0.065 χ^2/NDF:968131.1/15

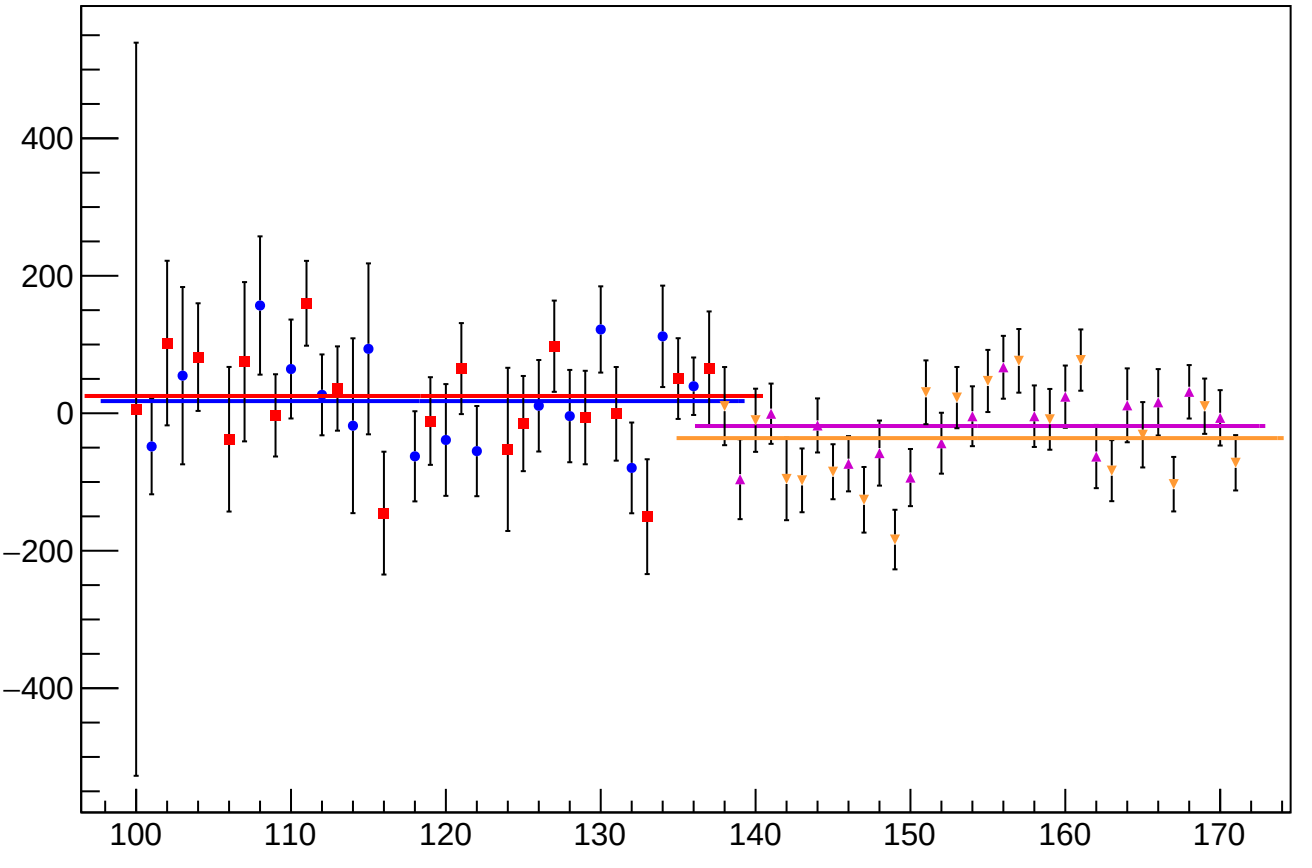
Left: 324.475+/-0.045 χ^2/NDF: 2280575.7/33

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 356.737+/-0.058 χ^2/NDF:3010270.6/31

Out: 351.909+/-0.056 χ^2/NDF:3483266.4/36

All: 354.224+/-0.040 χ^2/NDF: 6497114.8/68



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: -18.546+/-11.088 χ^2/NDF:16.1/15

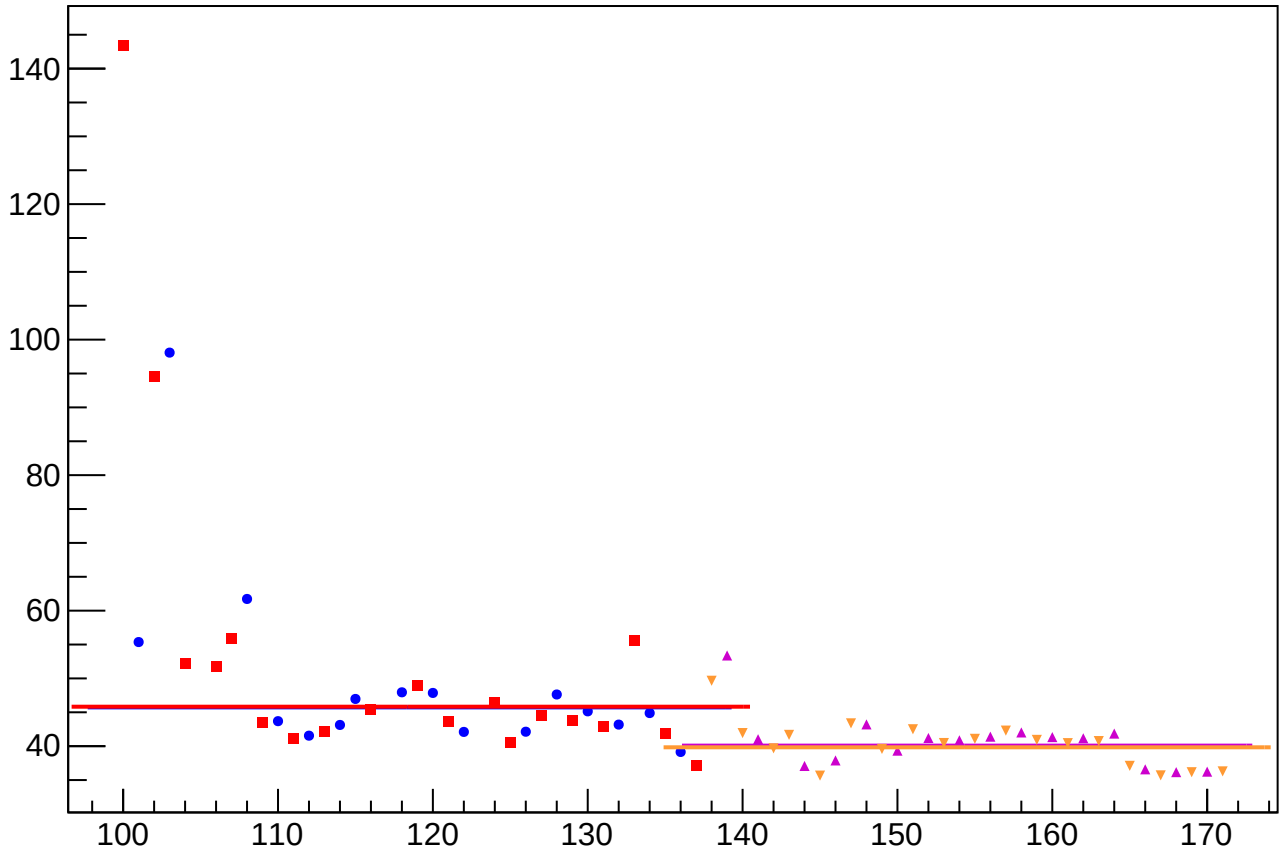
Left: -27.729+/-7.667 χ^2/NDF: 63.9/33

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -8.136+/-9.362 χ^2/NDF:33.2/31

Out: -19.441+/-9.051 χ^2/NDF:73.5/36

All: -13.979+/-6.507 χ^2/NDF: 107.4/68



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: 40.081+/-0.008 χ^2/NDF:193810.2/15

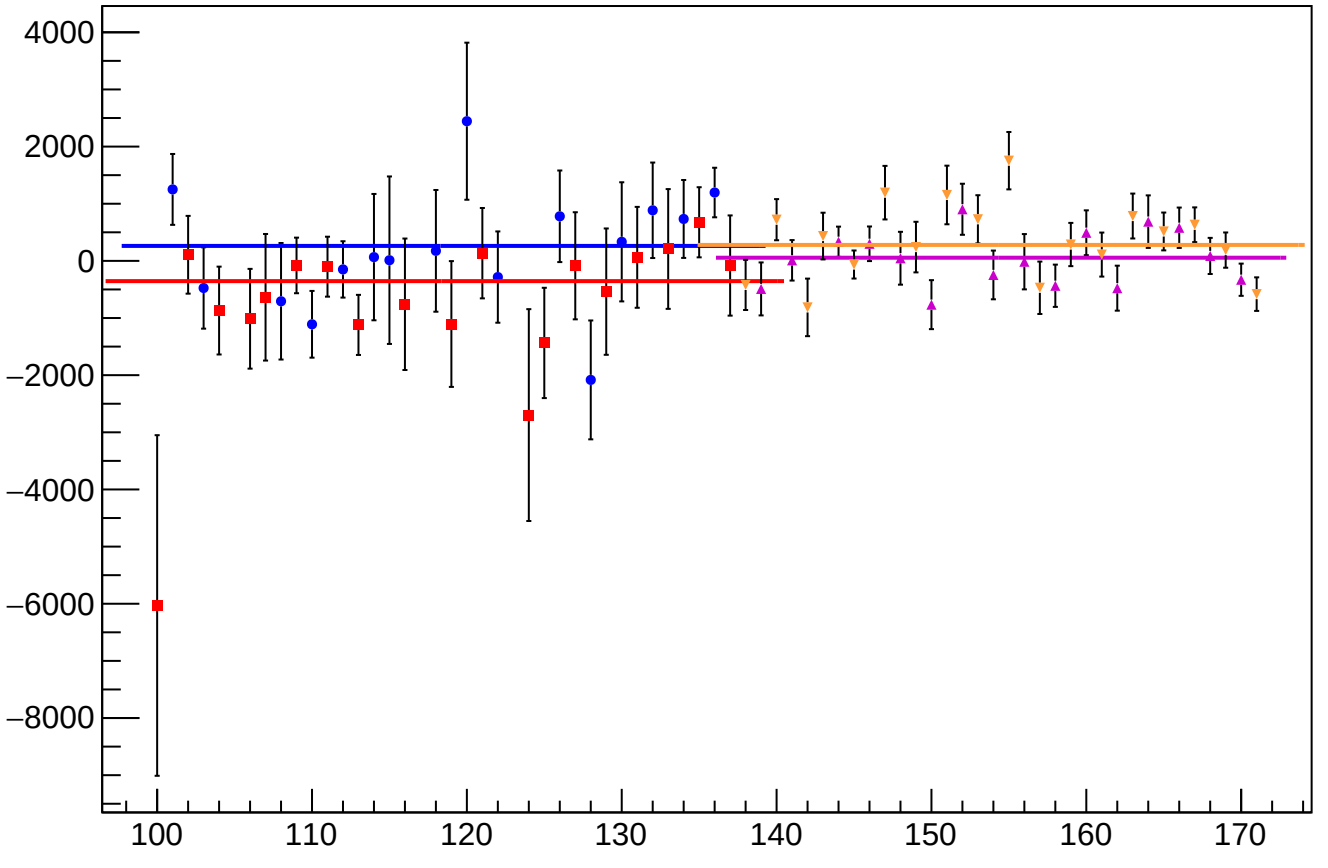
Left: 39.951+/-0.005 χ^2/NDF: 371562.5/33

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.702+/-0.007 χ^2/NDF:844171.5/31

Out: 41.465+/-0.006 χ^2/NDF:889522.6/36

All: 41.580+/-0.005 χ^2/NDF: 1734355.1/68



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: 55.270+/-91.935 χ^2/NDF:21.8/15

Left: 172.383+/-63.522 χ^2/NDF: 67.3/33

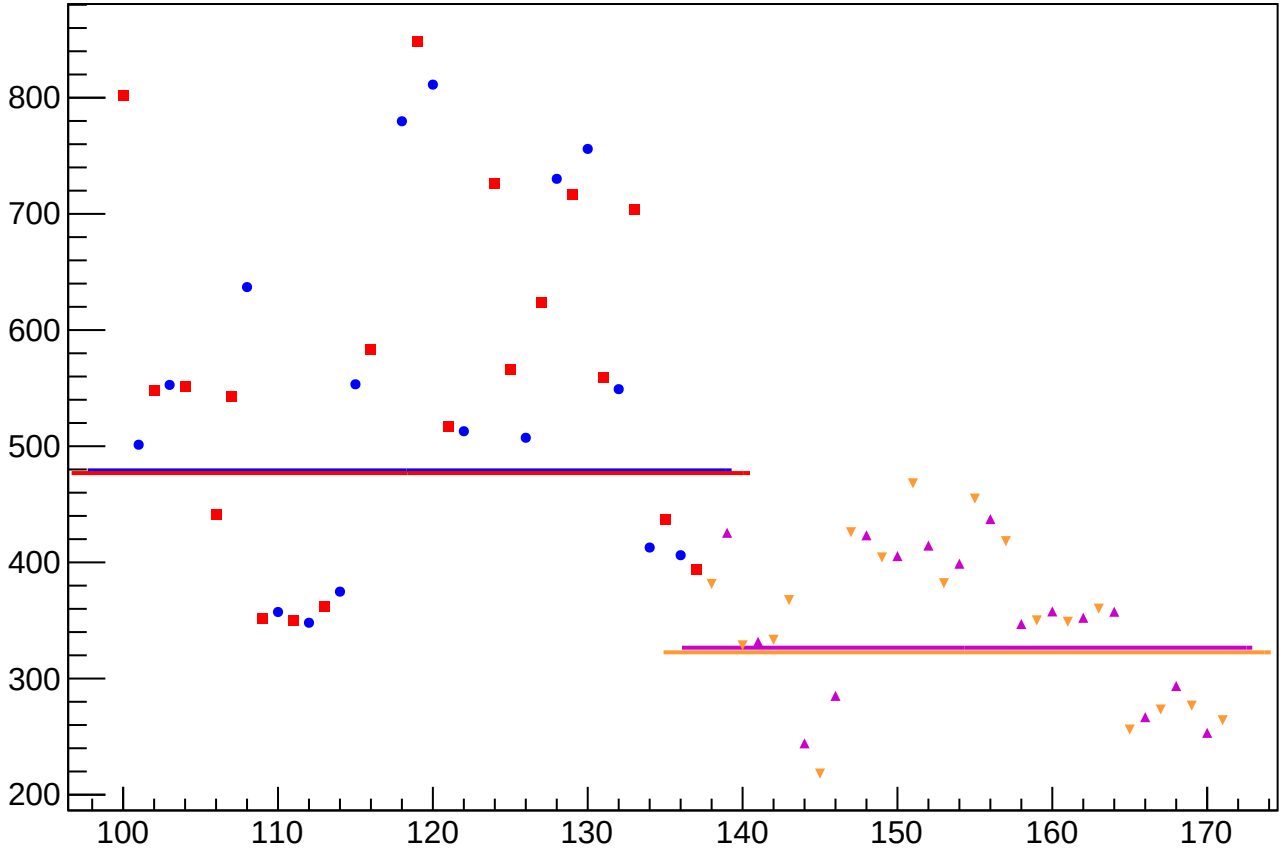
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 96.127+/-82.348 χ^2/NDF:47.7/31

Out: 159.498+/-79.122 χ^2/NDF:67.4/36

All: 129.078+/-57.054 χ^2/NDF: 115.5/68

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 322.563+/-0.062 χ^2/NDF:1310459.0/17

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 326.568+/-0.065 χ^2/NDF:968134.1/15

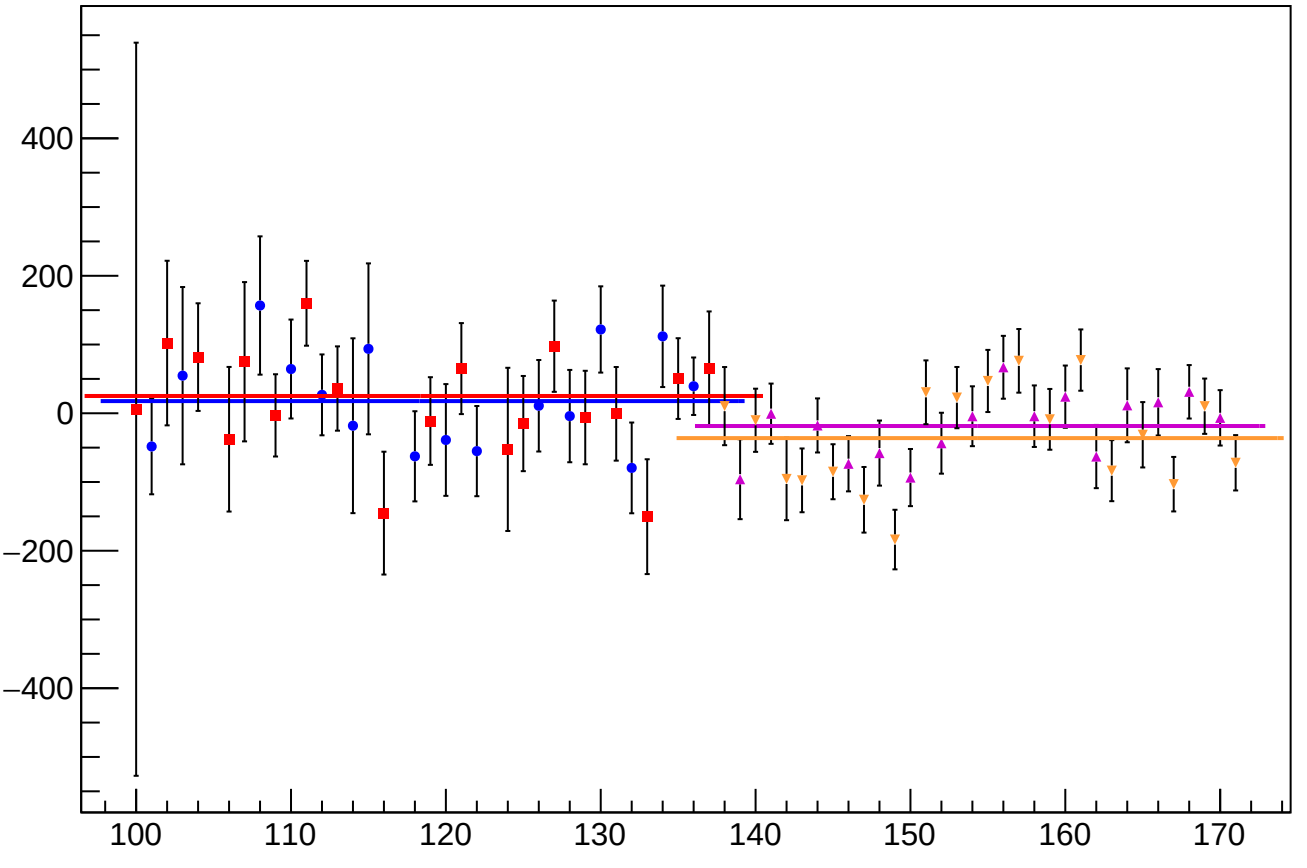
Left: 324.475+/-0.045 χ^2/NDF: 2280576.6/33

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 356.737+/-0.058 χ^2/NDF:3010322.7/31

Out: 351.762+/-0.056 χ^2/NDF:3481483.5/36

All: 354.150+/-0.040 χ^2/NDF: 6495602.0/68



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: -18.546+/-11.088 χ^2/NDF:16.1/15

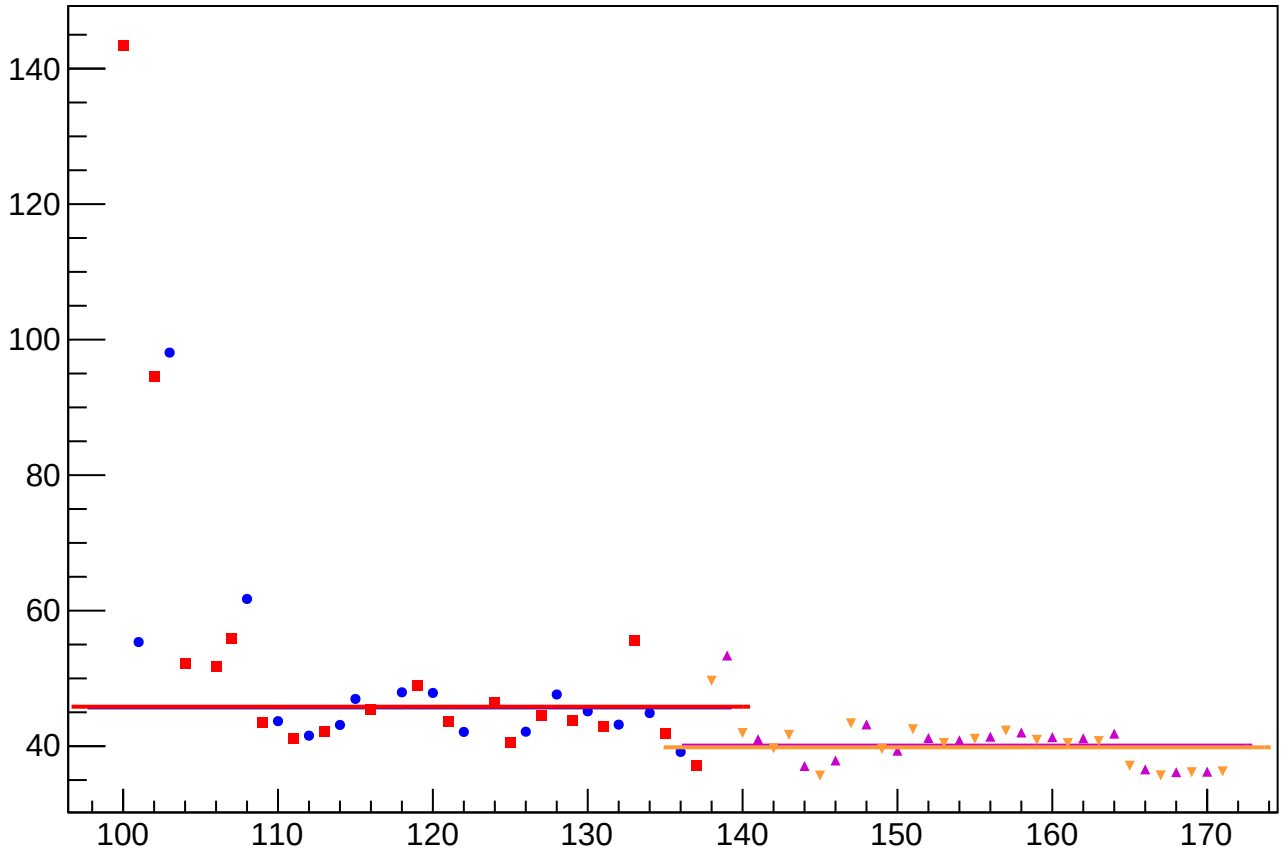
Left: -27.729+/-7.667 χ^2/NDF: 63.9/33

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -8.136+/-9.362 χ^2/NDF:33.2/31

Out: -19.441+/-9.051 χ^2/NDF:73.5/36

All: -13.979+/-6.507 χ^2/NDF: 107.4/68



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: 40.081+/-0.008 χ^2/NDF:193810.2/15

Left: 39.951+/-0.005 χ^2/NDF: 371562.5/33

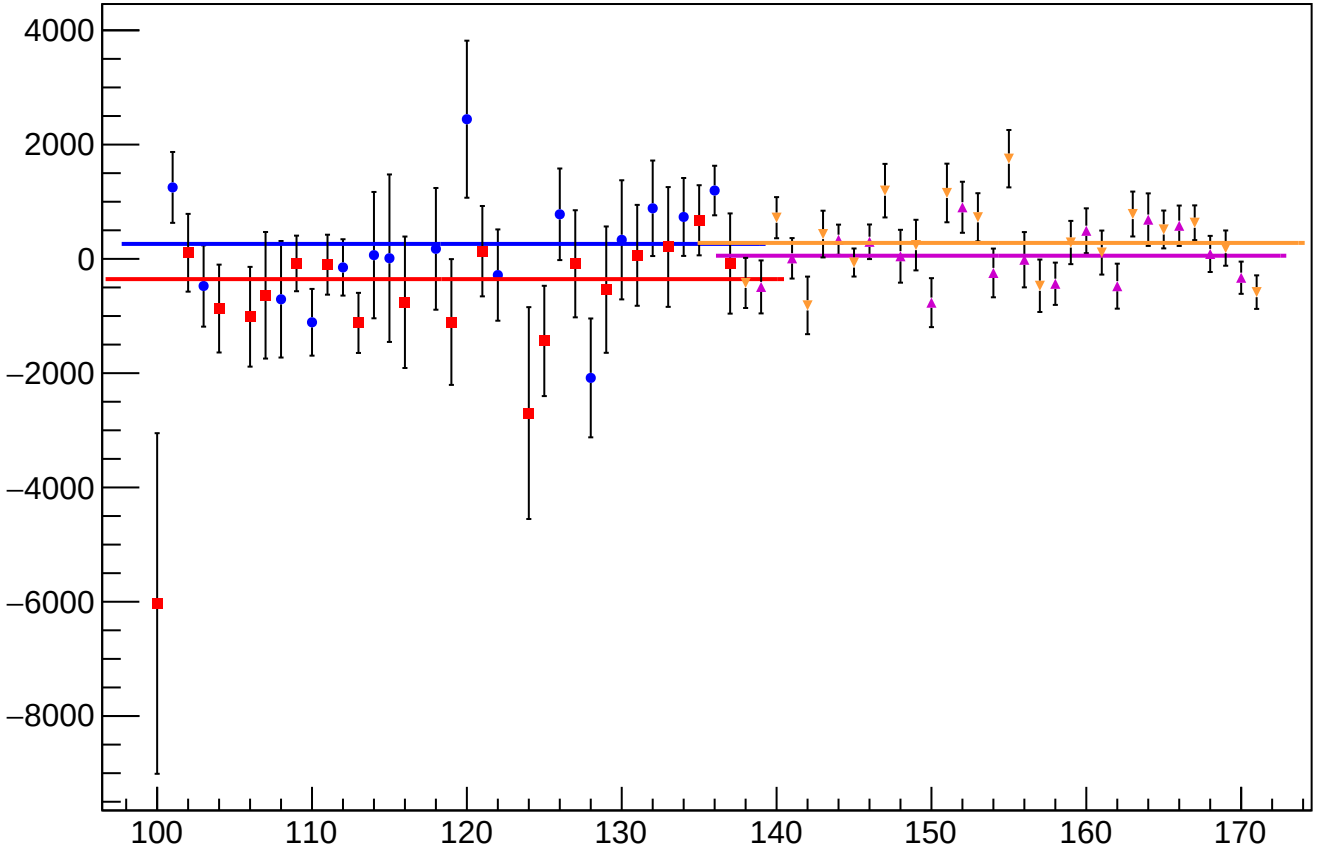
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.702+/-0.007 χ^2/NDF:844171.5/31

Out: 41.465+/-0.006 χ^2/NDF:889522.6/36

All: 41.580+/-0.005 χ^2/NDF: 1734355.1/68

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



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: 55.270+/-91.935 χ^2/NDF:21.8/15

Left: 172.383+/-63.522 χ^2/NDF: 67.3/33

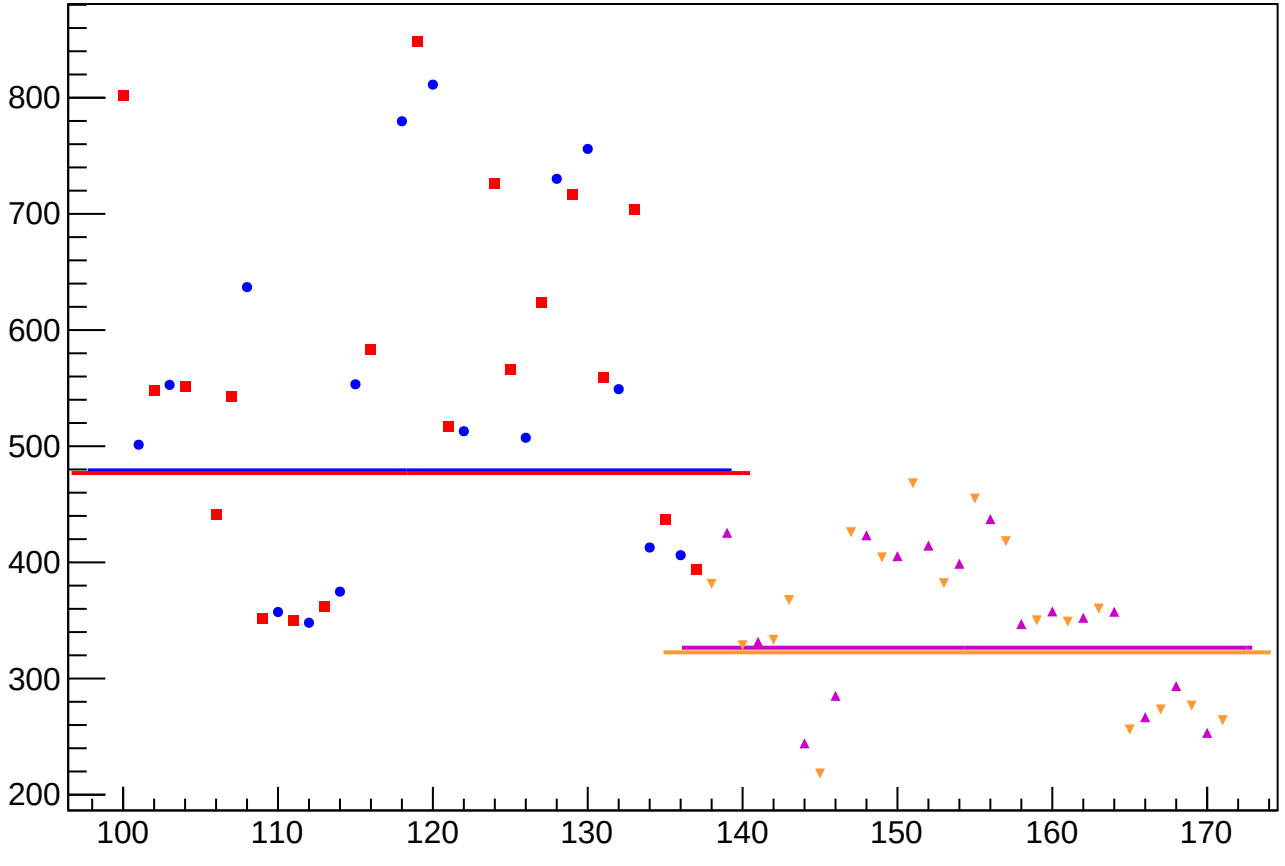
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 96.127+/-82.348 χ^2/NDF:47.7/31

Out: 159.498+/-79.122 χ^2/NDF:67.4/36

All: 129.078+/-57.054 χ^2/NDF: 115.5/68

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: 326.568+/-0.065 χ^2/NDF:968134.1/15

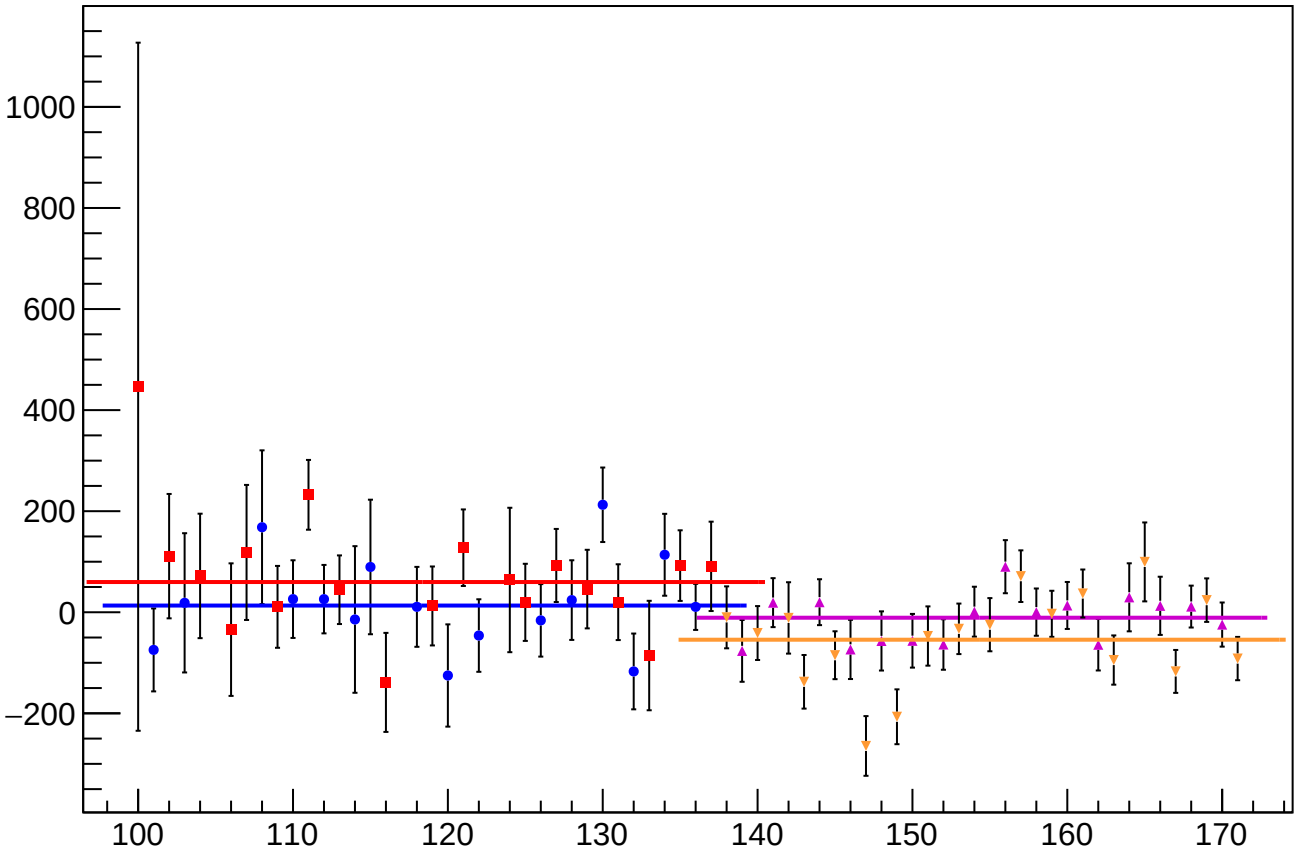
Left: 324.475+/-0.045 χ^2/NDF: 2280576.6/33

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 356.737+/-0.058 χ^2/NDF:3010322.7/31

Out: 351.762+/-0.056 χ^2/NDF:3481483.5/36

All: 354.150+/-0.040 χ^2/NDF: 6495602.0/68



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: -10.818+/-12.678 χ^2/NDF:11.7/15

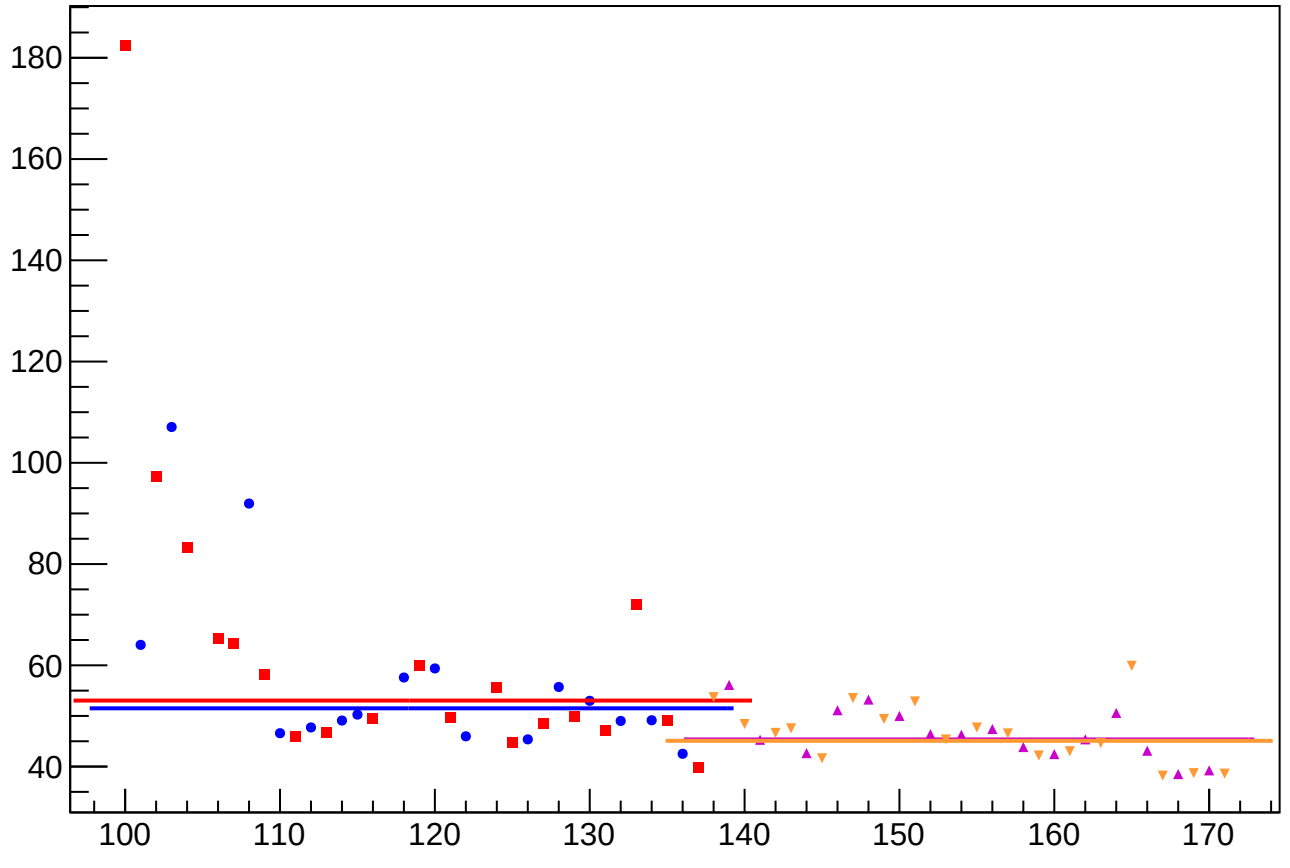
Left: -33.586+/-8.754 χ^2/NDF: 64.6/33

Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -3.840+/-10.685 χ^2/NDF:30.0/31

Out: -24.259+/-10.386 χ^2/NDF:86.3/36

All: -14.339+/-7.447 χ^2/NDF: 118.2/68



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: 45.359+/-0.009 χ^2/NDF:263180.1/15

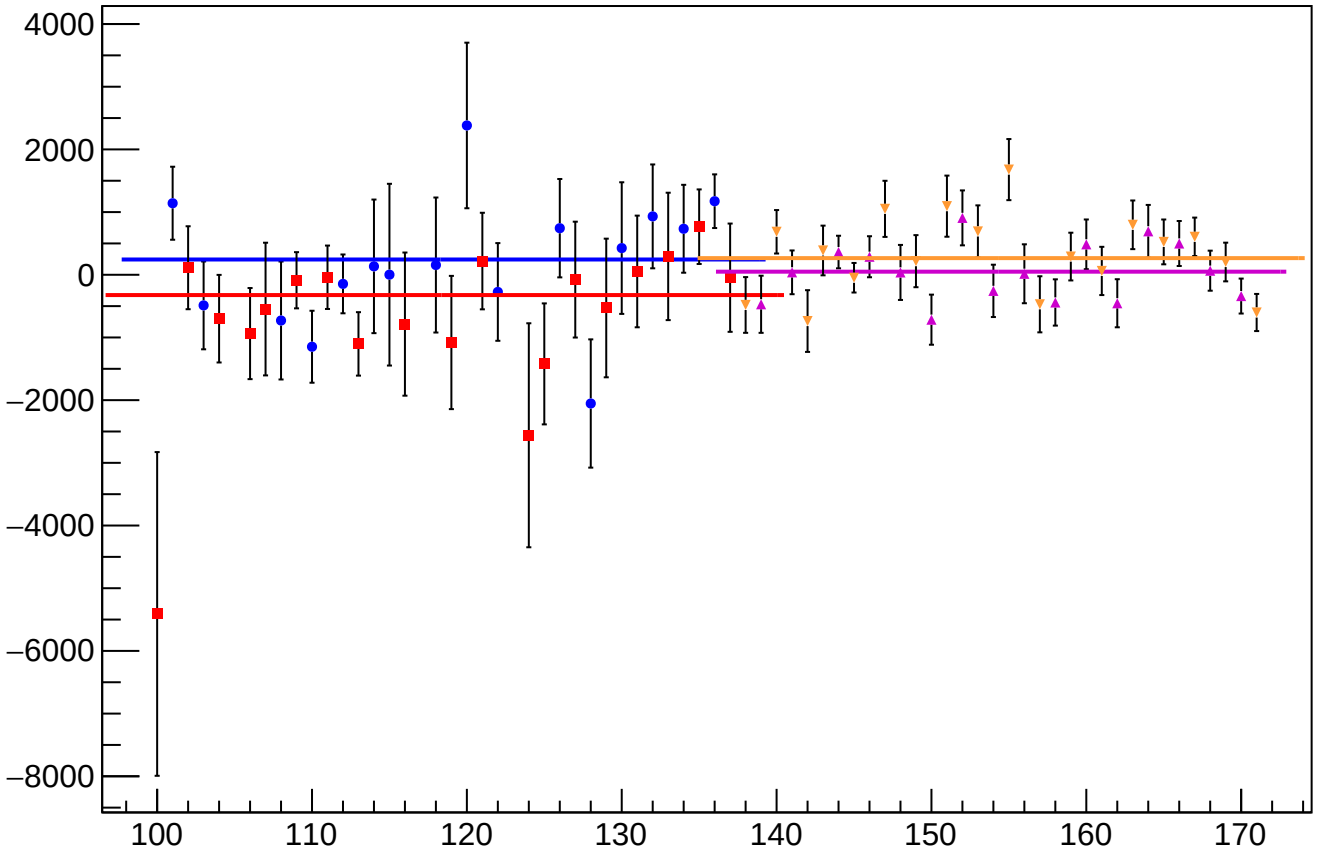
Left: 45.217+/-0.006 χ^2/NDF: 648510.6/33

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 47.140+/-0.008 χ^2/NDF:1066456.2/31

Out: 47.183+/-0.007 χ^2/NDF:1325120.7/36

All: 47.162+/-0.005 χ^2/NDF: 2391593.2/68



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: 49.464+/-91.026 χ^2/NDF:21.9/15

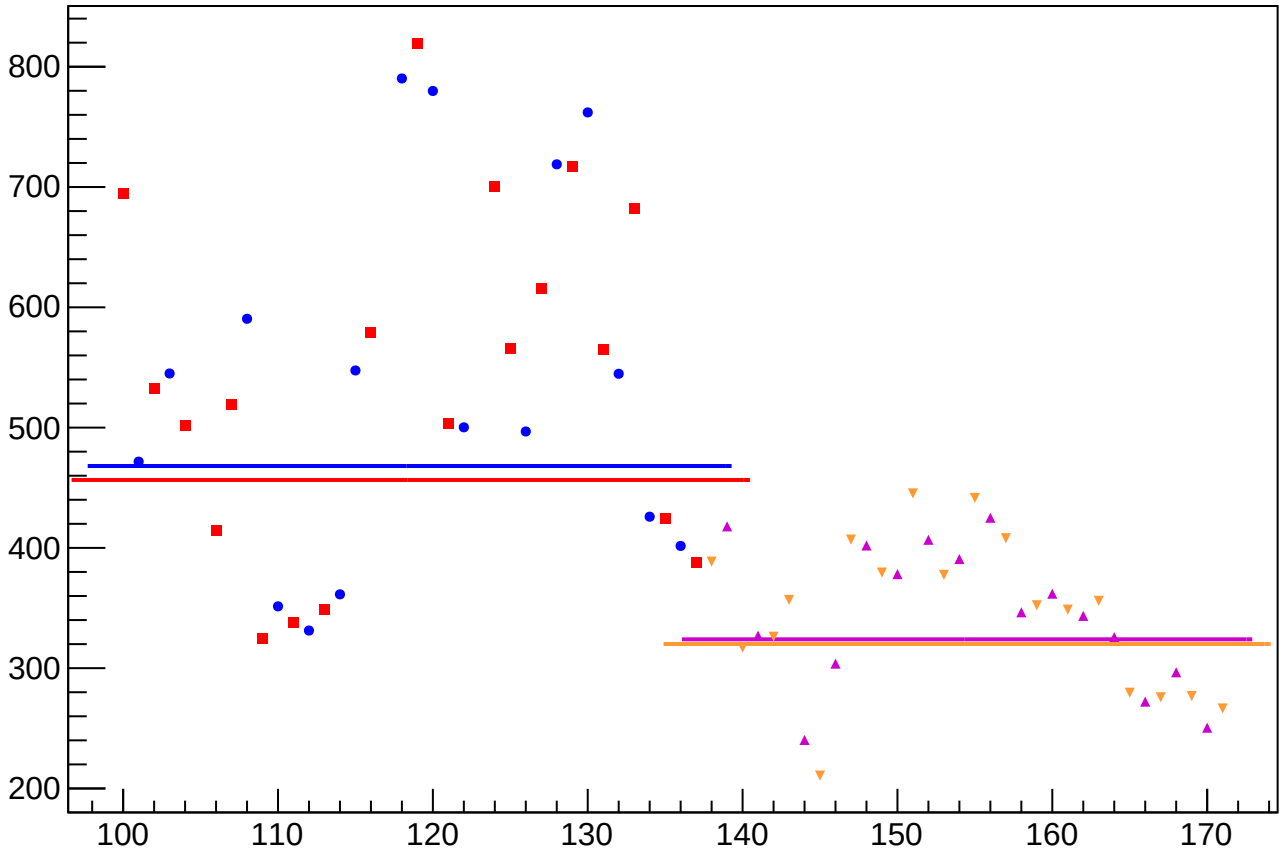
Left: 162.617+/-62.848 χ^2/NDF: 65.8/33

Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 88.743+/-81.310 χ^2/NDF:48.4/31

Out: 147.693+/-77.696 χ^2/NDF:66.7/36

All: 119.557+/-56.173 χ^2/NDF: 115.3/68



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: 323.986+/-0.064 χ^2/NDF:841154.1/15

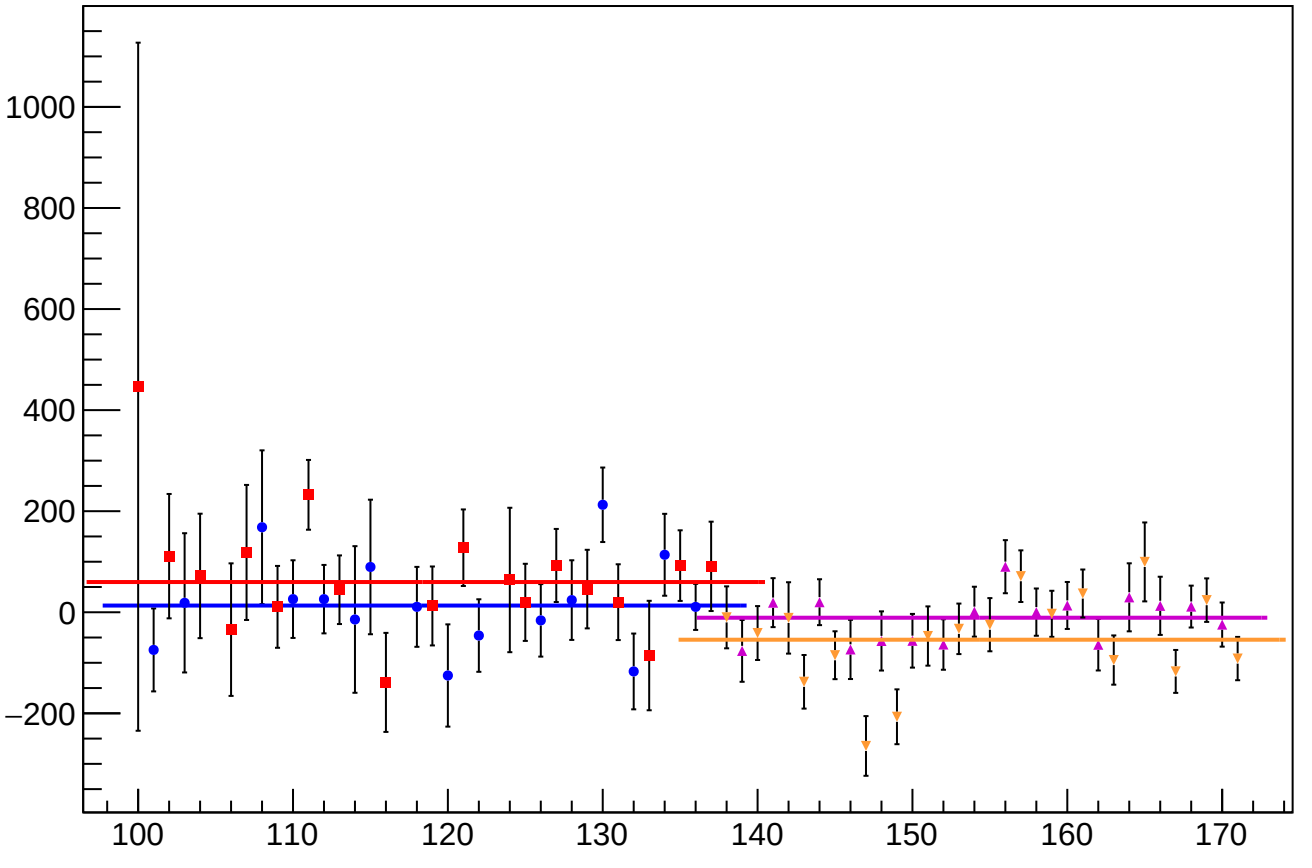
Left: 321.953+/-0.044 χ^2/NDF: 2040665.6/33

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 353.103+/-0.057 χ^2/NDF:2836684.7/31

Out: 347.406+/-0.055 χ^2/NDF:3266806.4/36

All: 350.125+/-0.040 χ^2/NDF: 6108624.1/68



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: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -10.818+/-12.678 χ^2/NDF:11.7/15

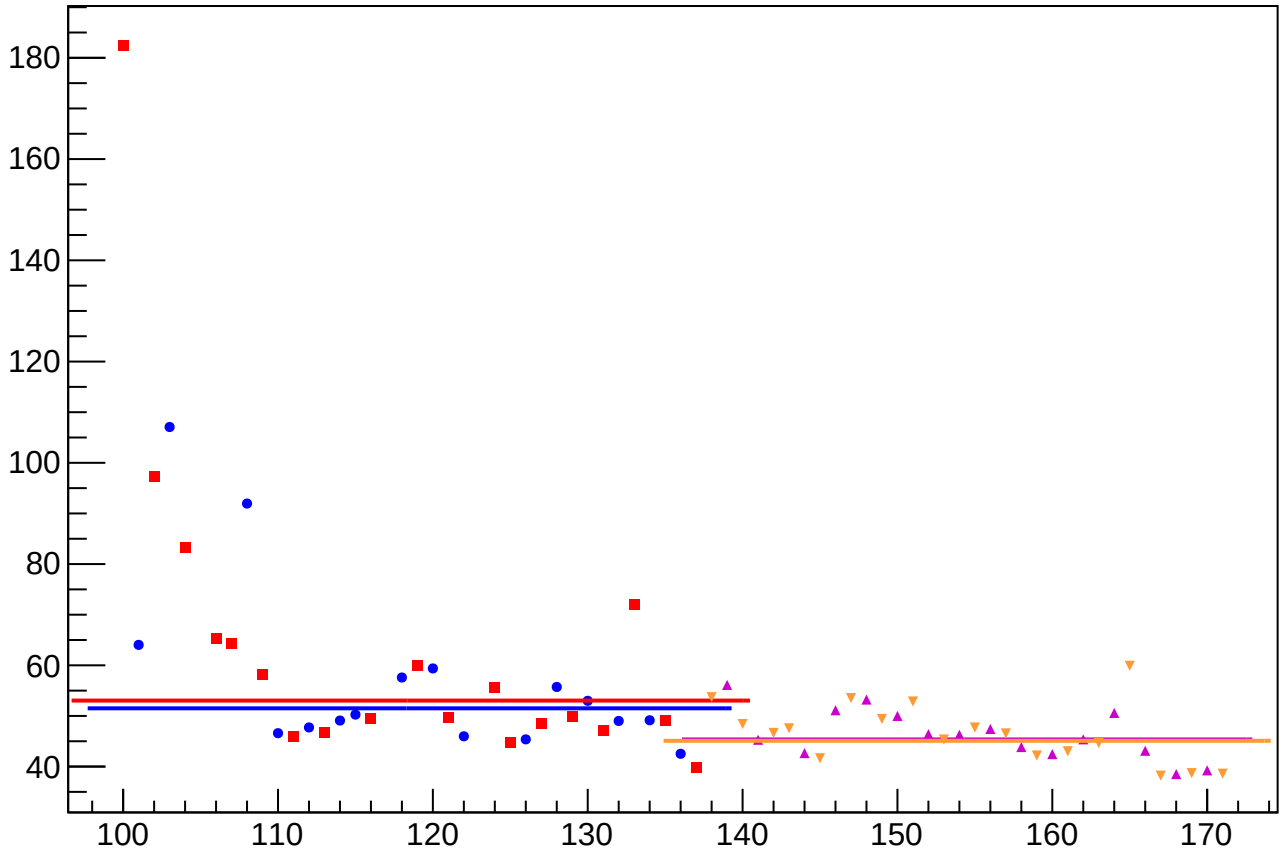
Left: -33.586+/-8.754 χ^2/NDF: 64.6/33

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -3.839+/-10.685 χ^2/NDF:30.0/31

Out: -24.258+/-10.386 χ^2/NDF:86.3/36

All: -14.338+/-7.447 χ^2/NDF: 118.2/68



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: 45.359+/-0.009 χ^2/NDF:263182.1/15

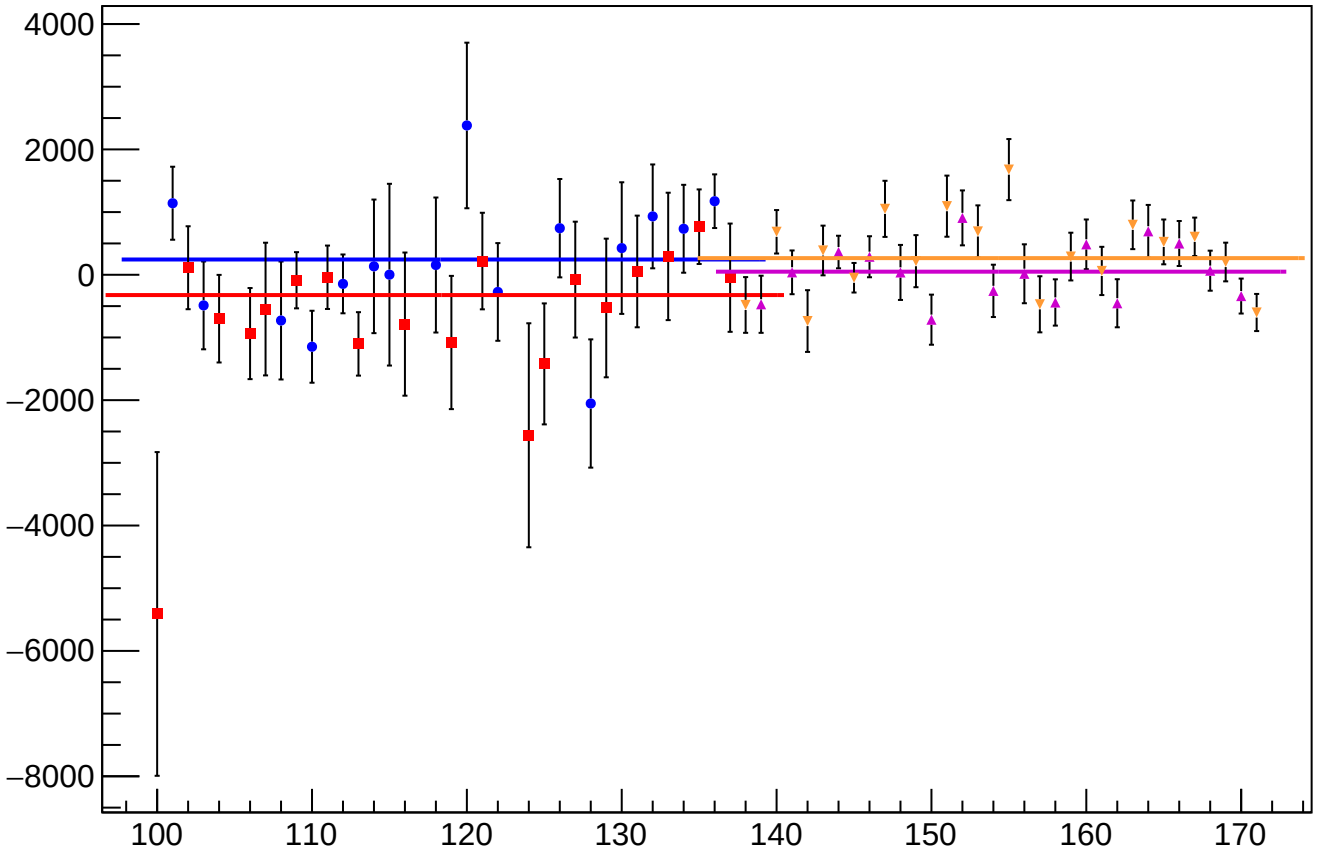
Left: 45.217+/-0.006 χ^2/NDF: 648517.3/33

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 47.140+/-0.008 χ^2/NDF:1066463.6/31

Out: 47.183+/-0.007 χ^2/NDF:1325135.8/36

All: 47.162+/-0.005 χ^2/NDF: 2391615.8/68



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: 49.465+/-91.026 χ^2/NDF:21.9/15

Left: 162.618+/-62.848 χ^2/NDF: 65.8/33

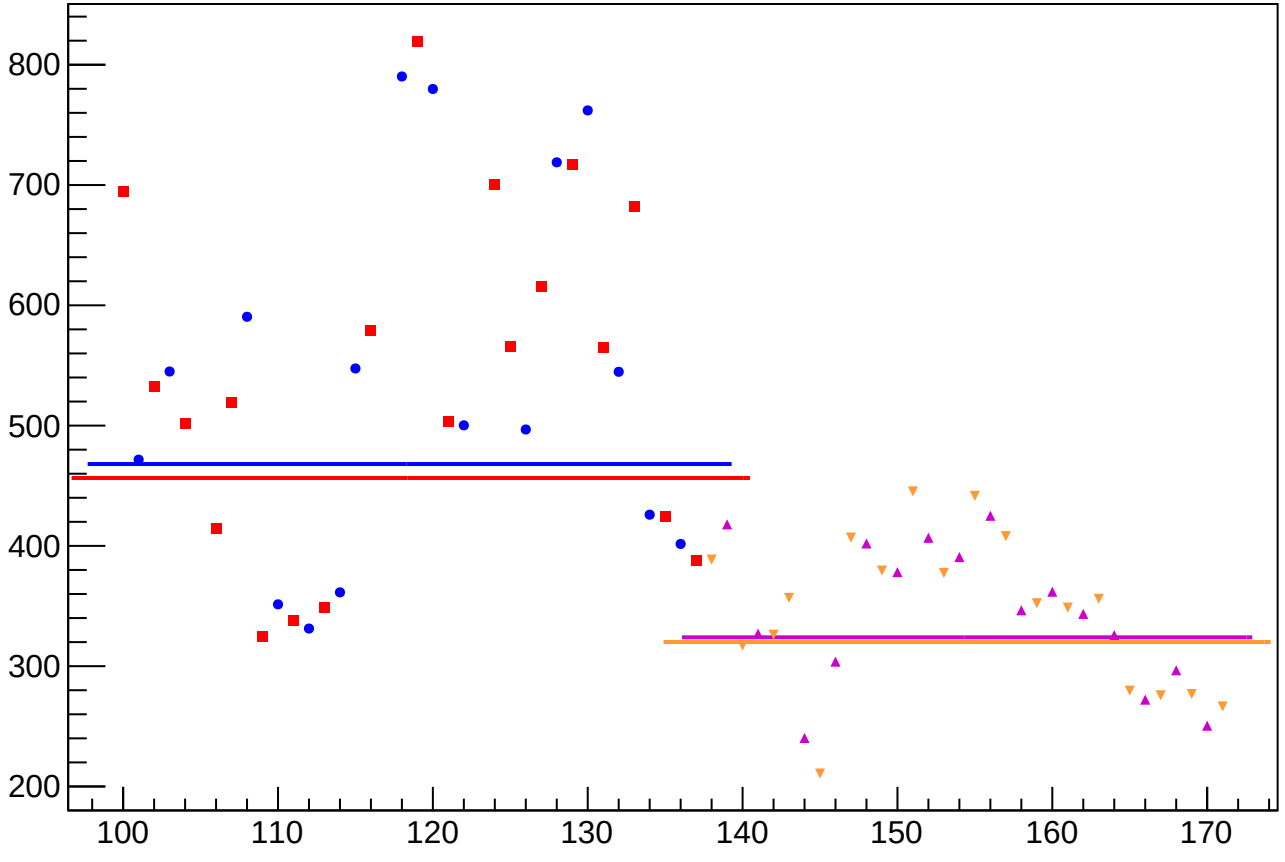
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 88.744+/-81.310 χ^2/NDF:48.4/31

Out: 147.693+/-77.696 χ^2/NDF:66.7/36

All: 119.558+/-56.173 χ^2/NDF: 115.3/68

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 320.101+/-0.061 χ^2/NDF:1197604.2/17

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 323.987+/-0.064 χ^2/NDF:841152.9/15

Left: 321.953+/-0.044 χ^2/NDF: 2040664.2/33

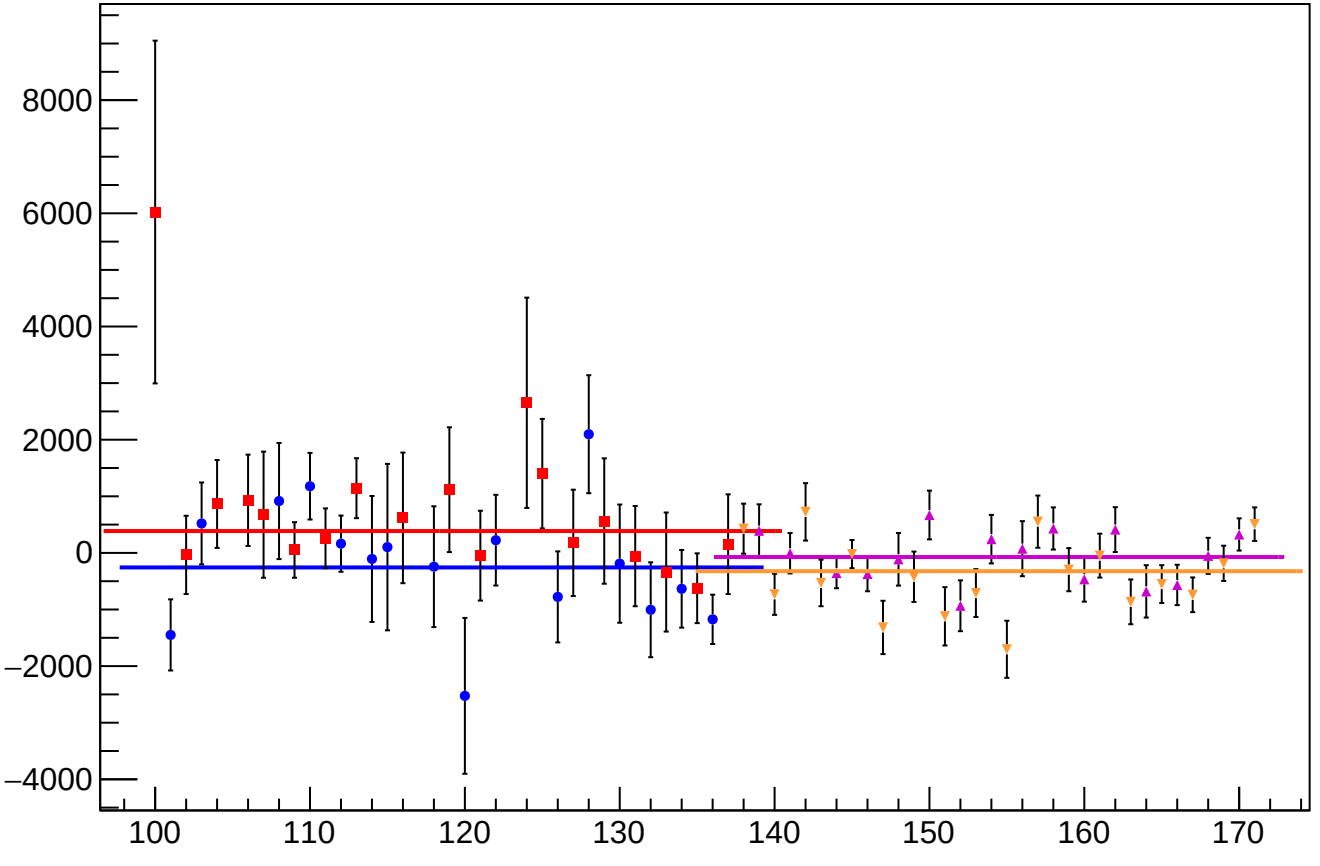
Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 353.103+/-0.057 χ^2/NDF:2836672.4/31

Out: 347.406+/-0.055 χ^2/NDF:3266792.2/36

All: 350.125+/-0.040 χ^2/NDF: 6108597.7/68

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



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: -72.872+/-92.674 χ^2/NDF:20.3/15

Left: -203.674+/-64.036 χ^2/NDF: 65.9/33

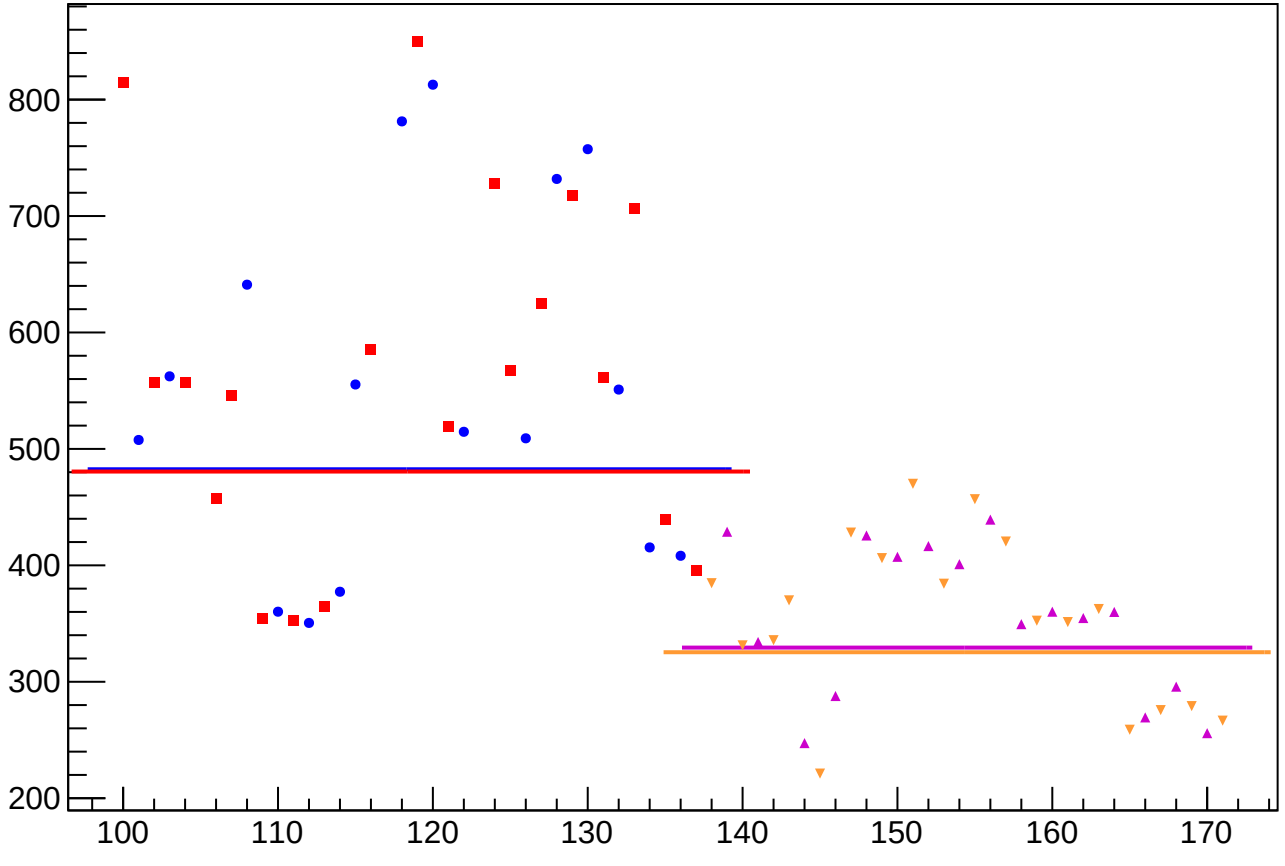
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -109.296+/-82.989 χ^2/NDF:48.0/31

Out: -187.708+/-79.682 χ^2/NDF:68.2/36

All: -150.095+/-57.477 χ^2/NDF: 116.7/68

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: 329.354+/-0.066 χ^2/NDF:947467.8/15

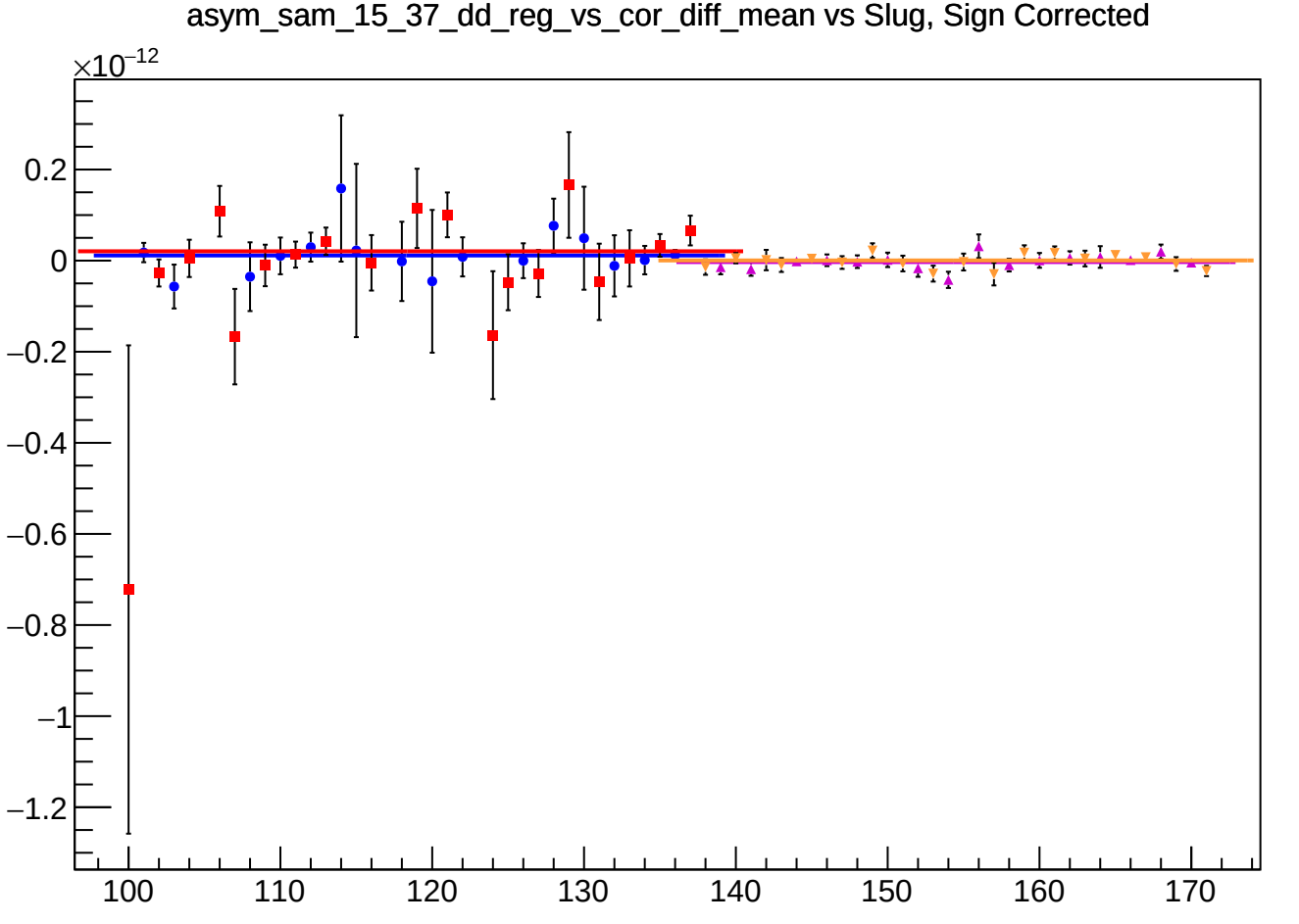
Left: 327.280+/-0.045 χ^2/NDF: 2230993.8/33

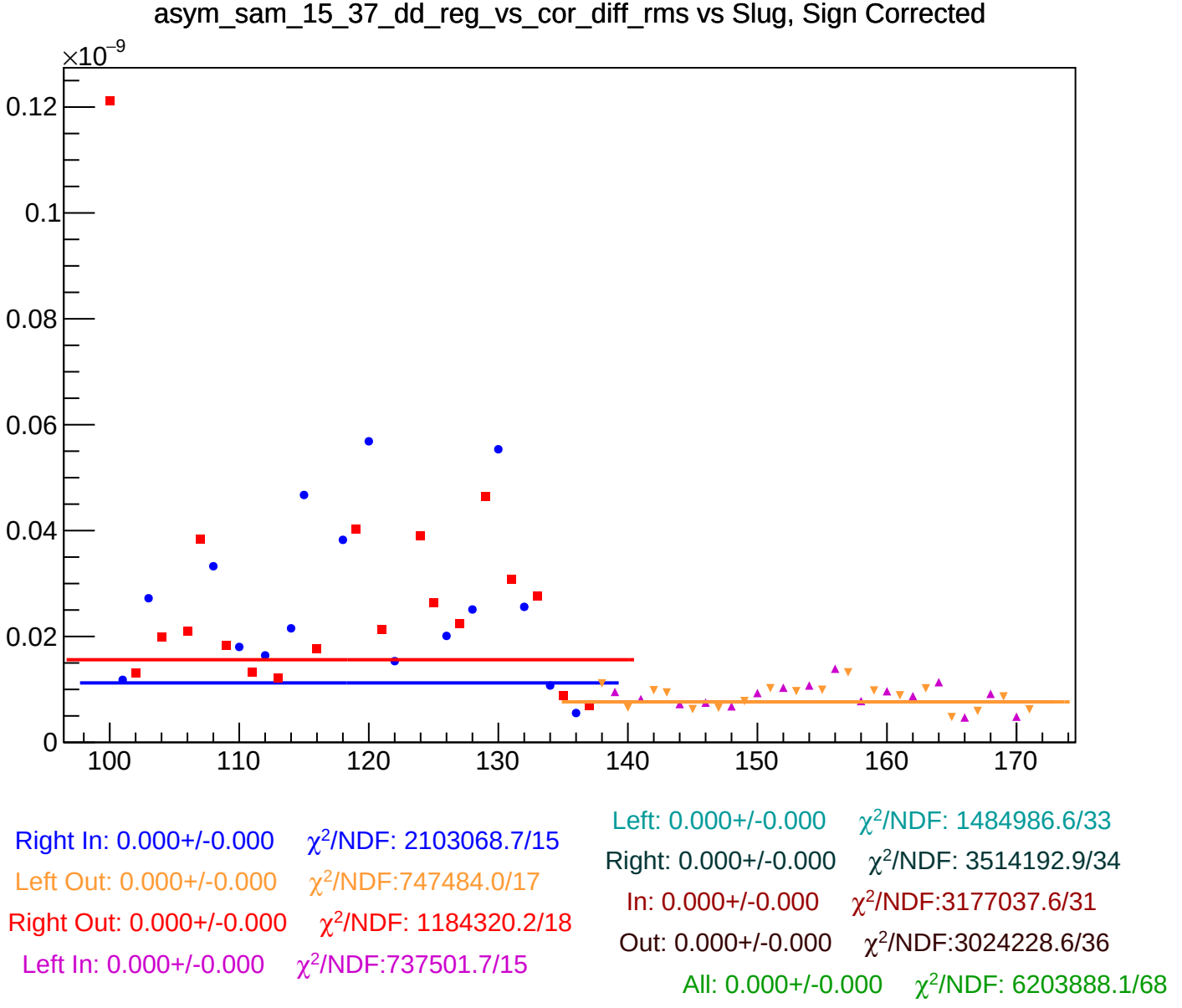
Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 359.693+/-0.059 χ^2/NDF:2976064.7/31

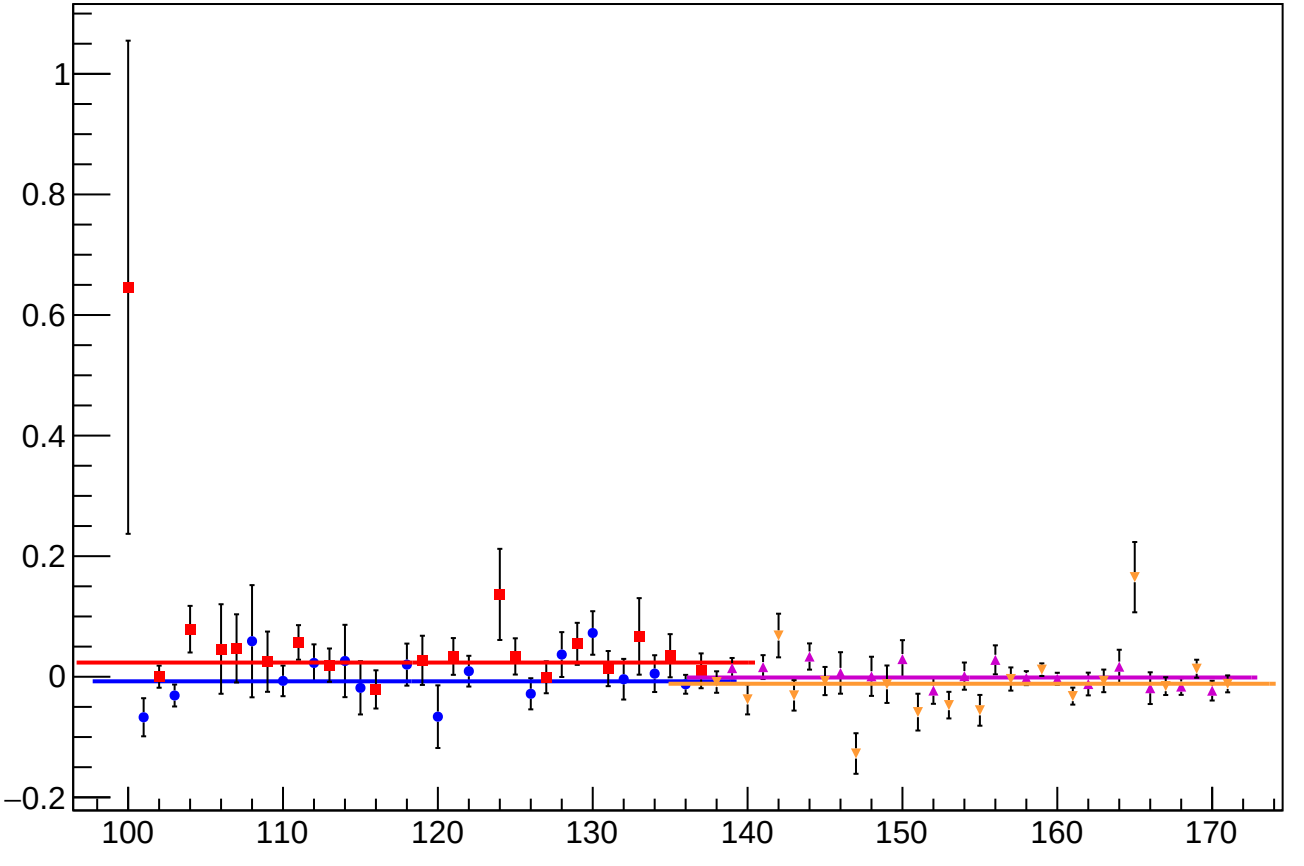
Out: 355.011+/-0.056 χ^2/NDF:3447020.1/36

All: 357.257+/-0.041 χ^2/NDF: 6426397.1/68


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
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:16.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 23.7/18
Left In: -0.000+/-0.000 χ²/NDF:12.2/15
Left: -0.000+/-0.000 χ²/NDF: 29.3/33
Right: 0.000+/-0.000 χ²/NDF: 29.7/34
In: -0.000+/-0.000 χ²/NDF:20.4/31
Out: 0.000+/-0.000 χ²/NDF:43.8/36
All: 0.000+/-0.000 χ²/NDF: 64.6/68


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2103068.7/15
Left Out: 0.000+/-0.000 χ²/NDF:747484.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 1184320.2/18
Left In: 0.000+/-0.000 χ²/NDF:737501.7/15
Left: 0.000+/-0.000 χ²/NDF: 1484986.6/33
Right: 0.000+/-0.000 χ²/NDF: 3514192.9/34
In: 0.000+/-0.000 χ²/NDF:3177037.6/31
Out: 0.000+/-0.000 χ²/NDF:3024228.6/36
All: 0.000+/-0.000 χ²/NDF: 6203888.1/68

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: -0.001+/-0.005 χ^2/NDF:11.8/15

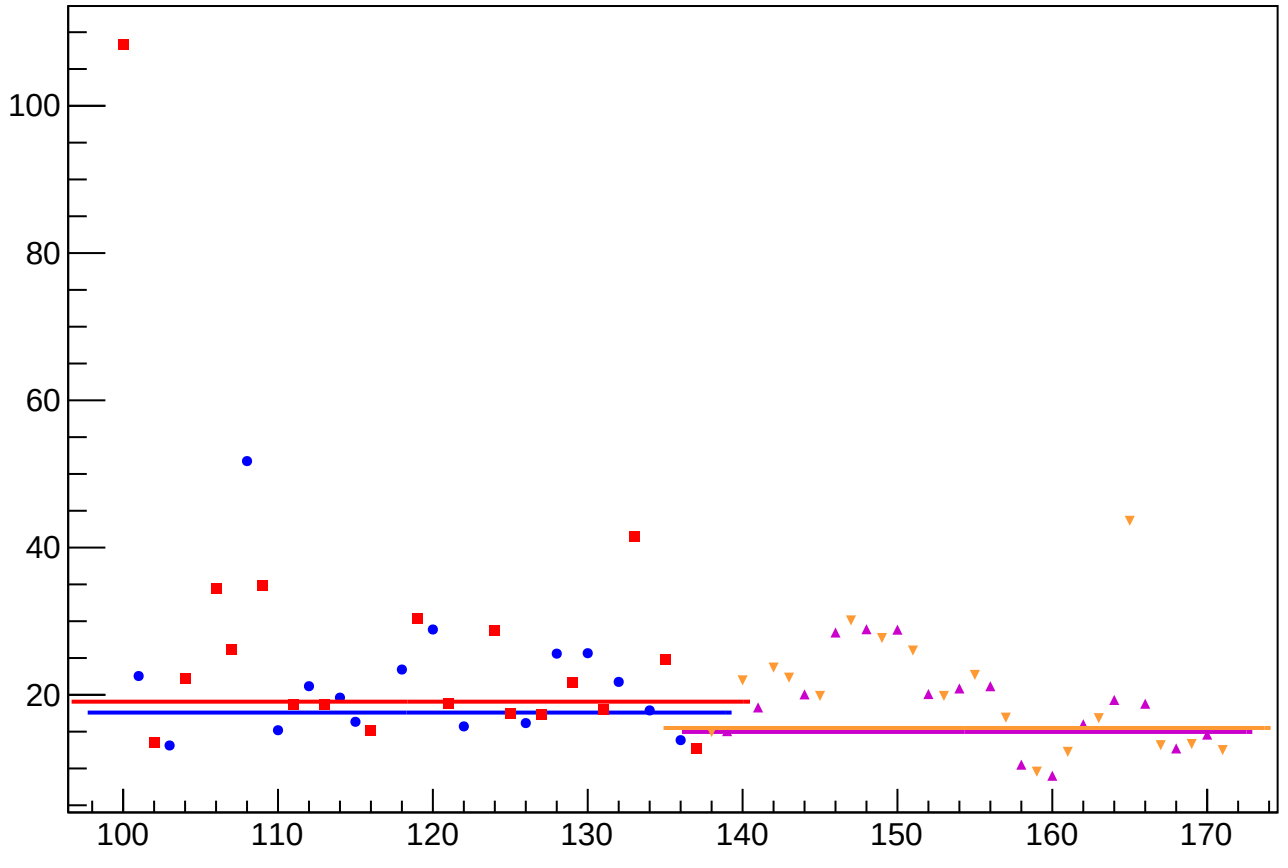
Left: -0.006+/-0.003 χ^2/NDF: 60.2/33

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 104.9/68



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: 14.961+/-0.003 χ^2/NDF:2766117.8/15

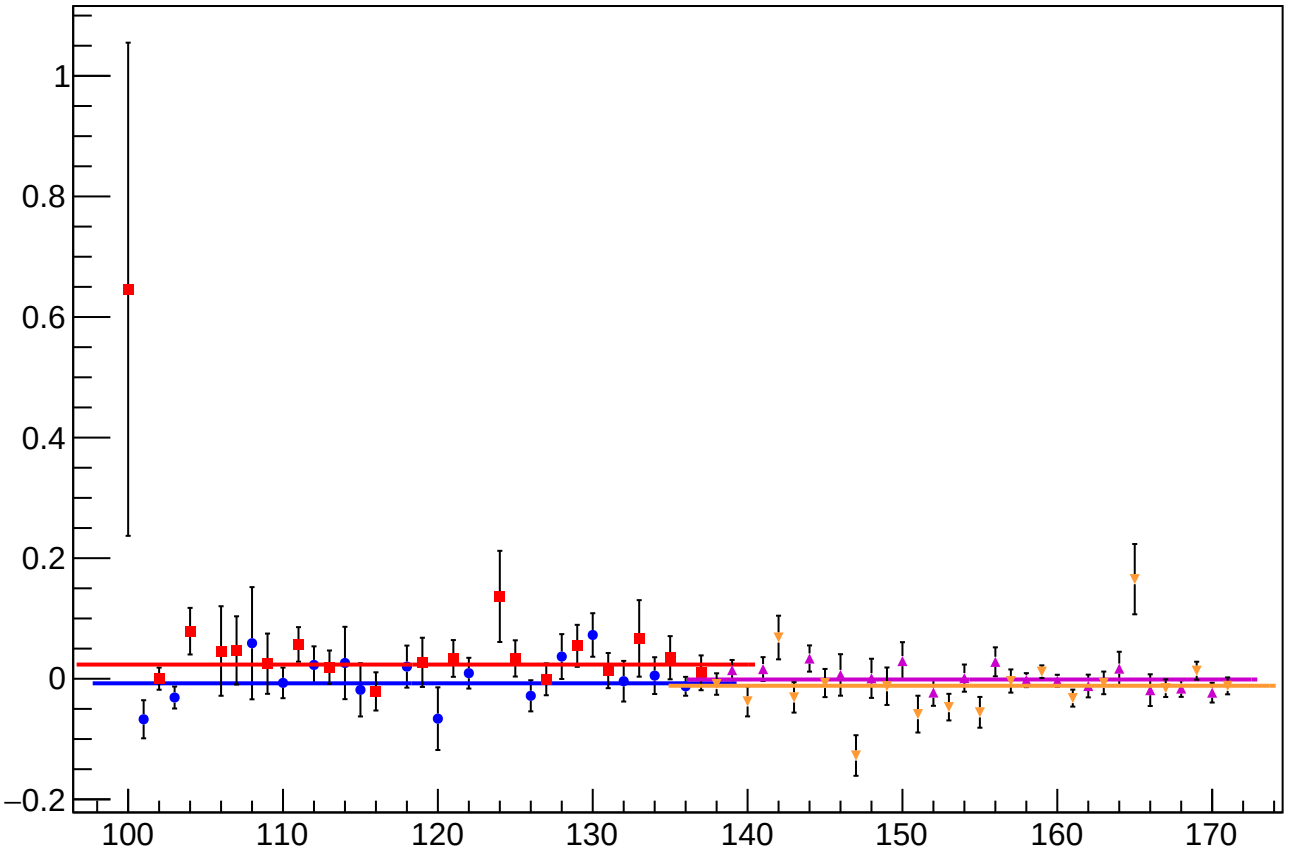
Left: 15.233+/-0.002 χ^2/NDF: 5816194.2/33

Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.707+/-0.003 χ^2/NDF:3950556.8/31

Out: 16.398+/-0.003 χ^2/NDF:4602221.4/36

All: 16.049+/-0.002 χ^2/NDF: 8584847.9/68



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: -0.001+/-0.005 χ^2/NDF:11.8/15

Left: -0.006+/-0.003 χ^2/NDF: 60.2/33

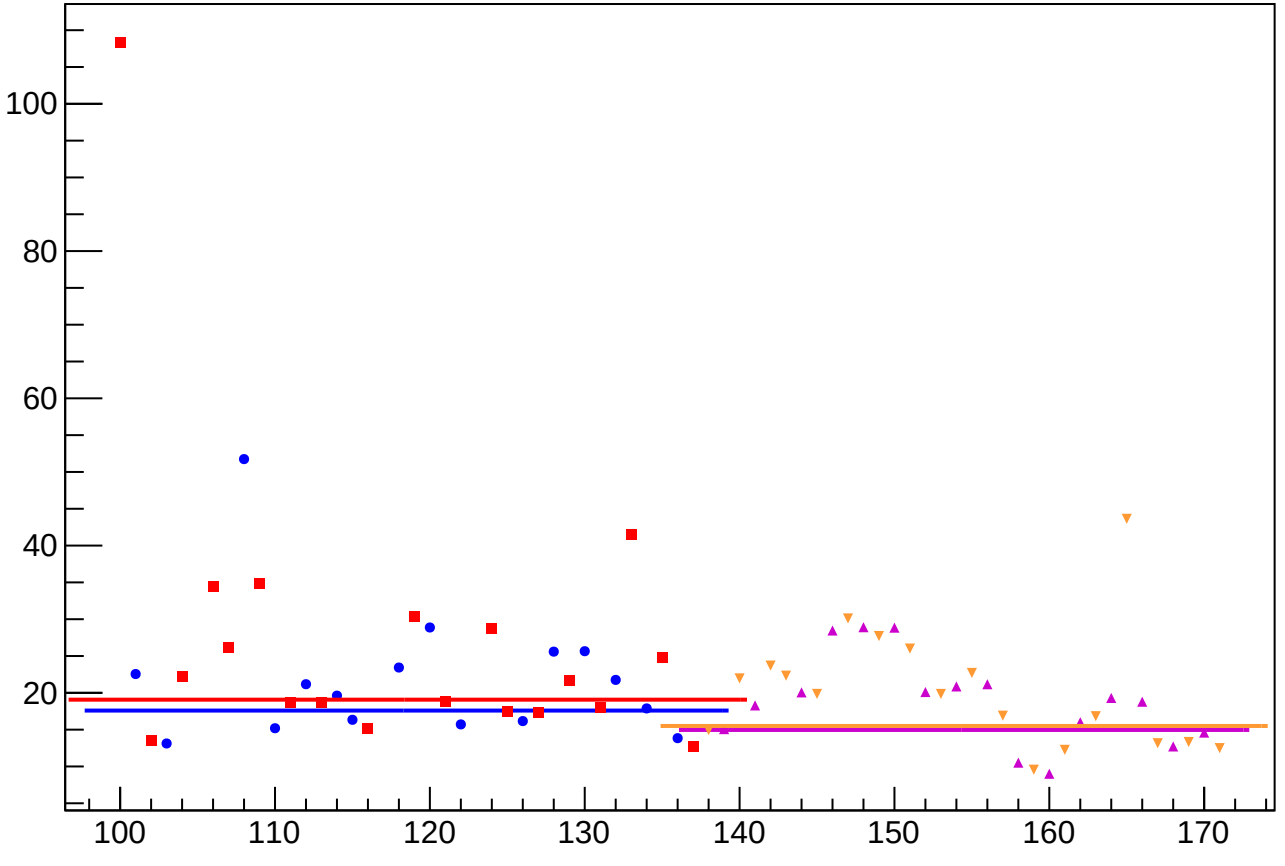
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 104.9/68

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.501+/-0.003 χ^2/NDF:3035744.2/17

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.961+/-0.003 χ^2/NDF:2766117.8/15

Left: 15.233+/-0.002 χ^2/NDF: 5816194.2/33

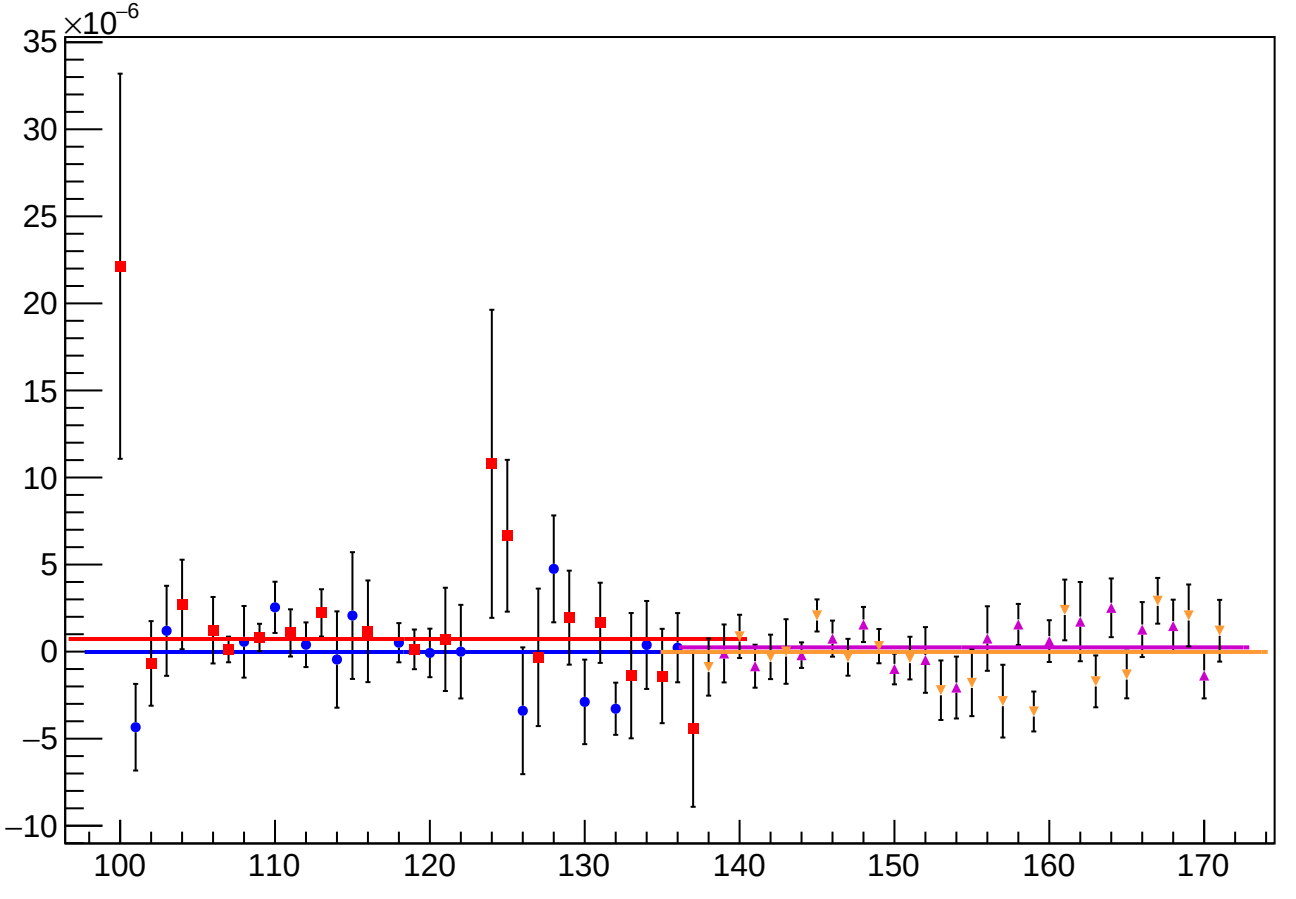
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.707+/-0.003 χ^2/NDF:3950556.8/31

Out: 16.398+/-0.003 χ^2/NDF:4602221.4/36

All: 16.049+/-0.002 χ^2/NDF: 8584847.9/68

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:13.1/15

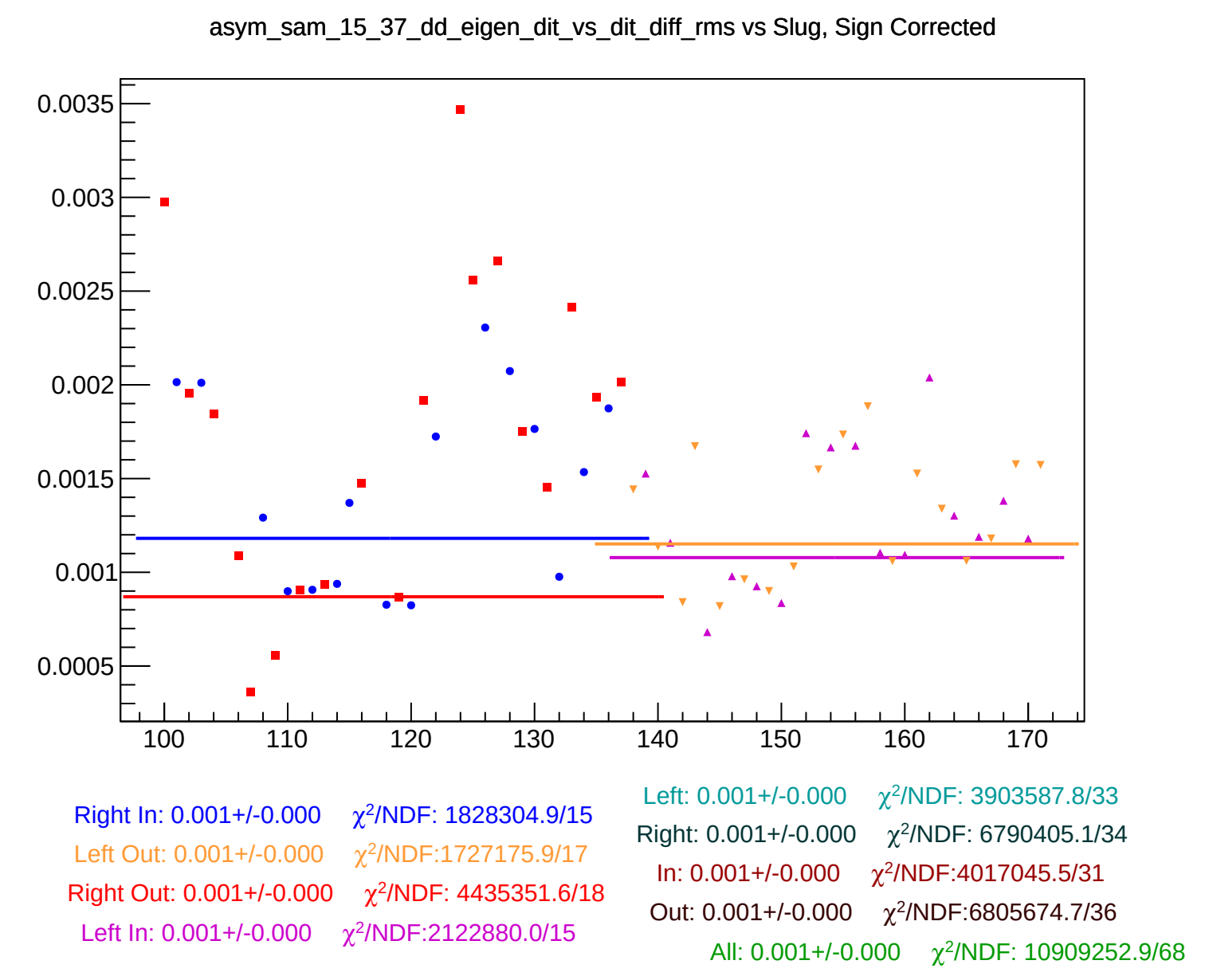
Left: 0.000+/-0.000 χ^2/NDF: 44.0/33

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

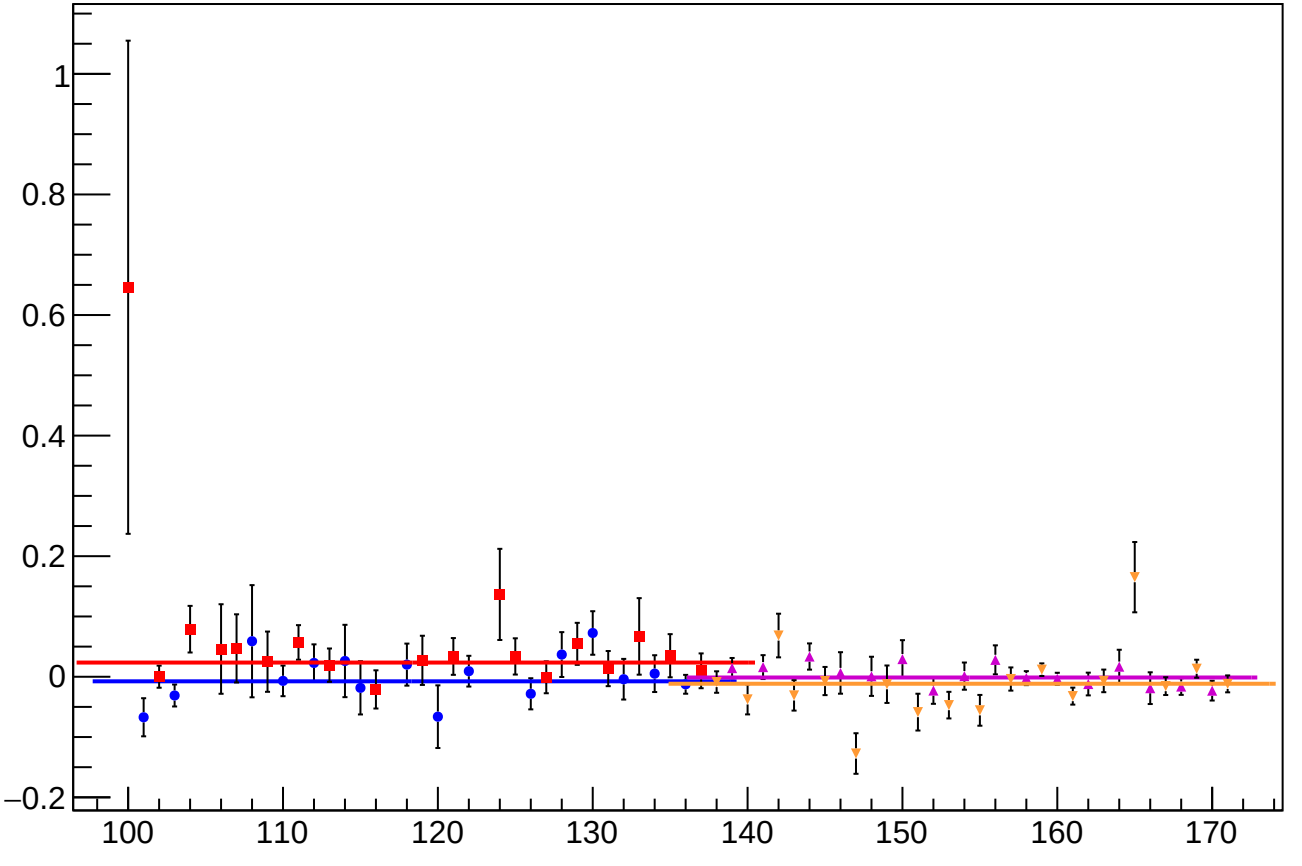
In: 0.000+/-0.000 χ^2/NDF:29.9/31

Out: 0.000+/-0.000 χ^2/NDF:45.7/36

All: 0.000+/-0.000 χ^2/NDF: 75.6/68


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1828304.9/15
Left Out: 0.001+/-0.000 χ²/NDF:1727175.9/17
Right Out: 0.001+/-0.000 χ²/NDF: 4435351.6/18
Left In: 0.001+/-0.000 χ²/NDF:2122880.0/15
Left: 0.001+/-0.000 χ²/NDF: 3903587.8/33
Right: 0.001+/-0.000 χ²/NDF: 6790405.1/34
In: 0.001+/-0.000 χ²/NDF:4017045.5/31
Out: 0.001+/-0.000 χ²/NDF:6805674.7/36
All: 0.001+/-0.000 χ²/NDF: 10909252.9/68

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: -0.001+/-0.005 χ^2/NDF:11.8/15

Left: -0.006+/-0.003 χ^2/NDF: 60.2/33

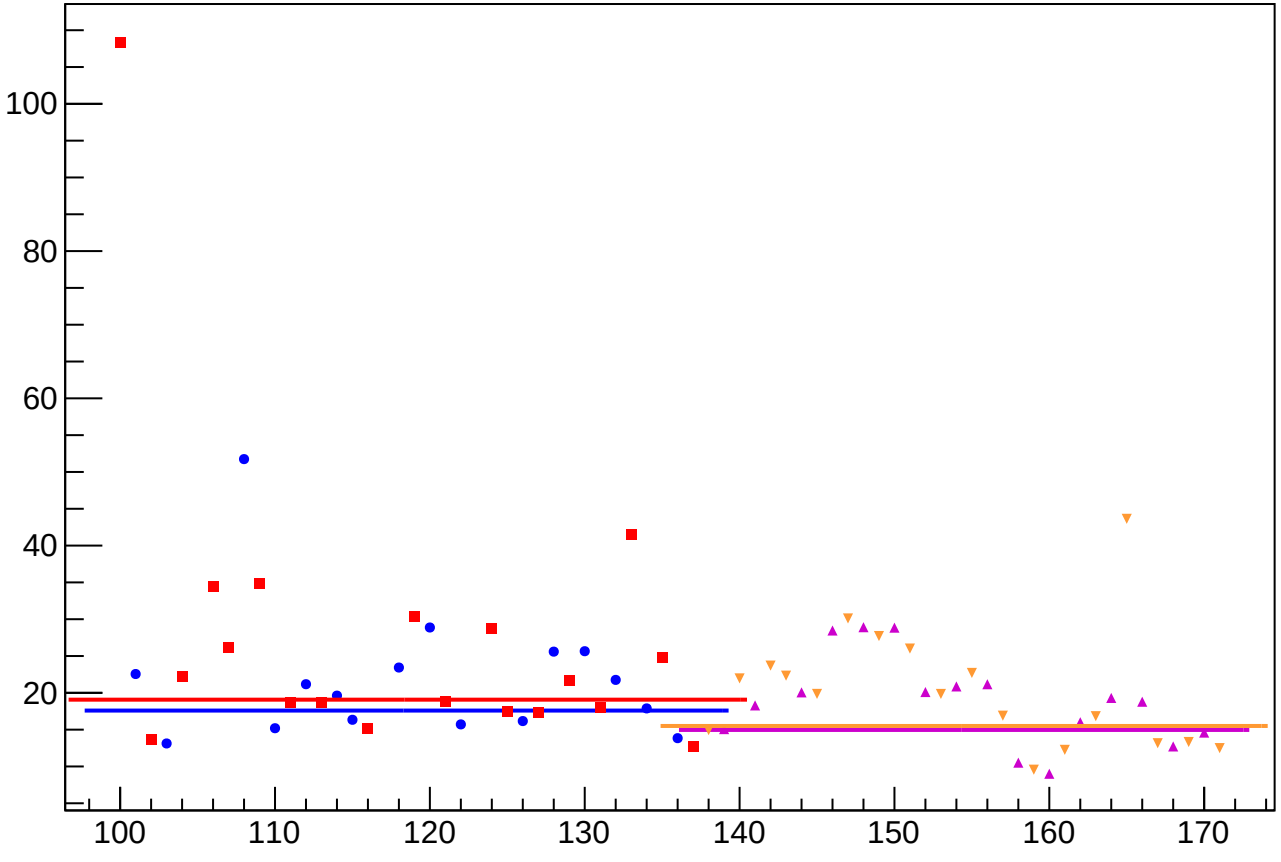
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 104.9/68

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.500+/-0.003 χ^2/NDF:3036006.1/17

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.960+/-0.003 χ^2/NDF:2766429.6/15

Left: 15.233+/-0.002 χ^2/NDF: 5816774.4/33

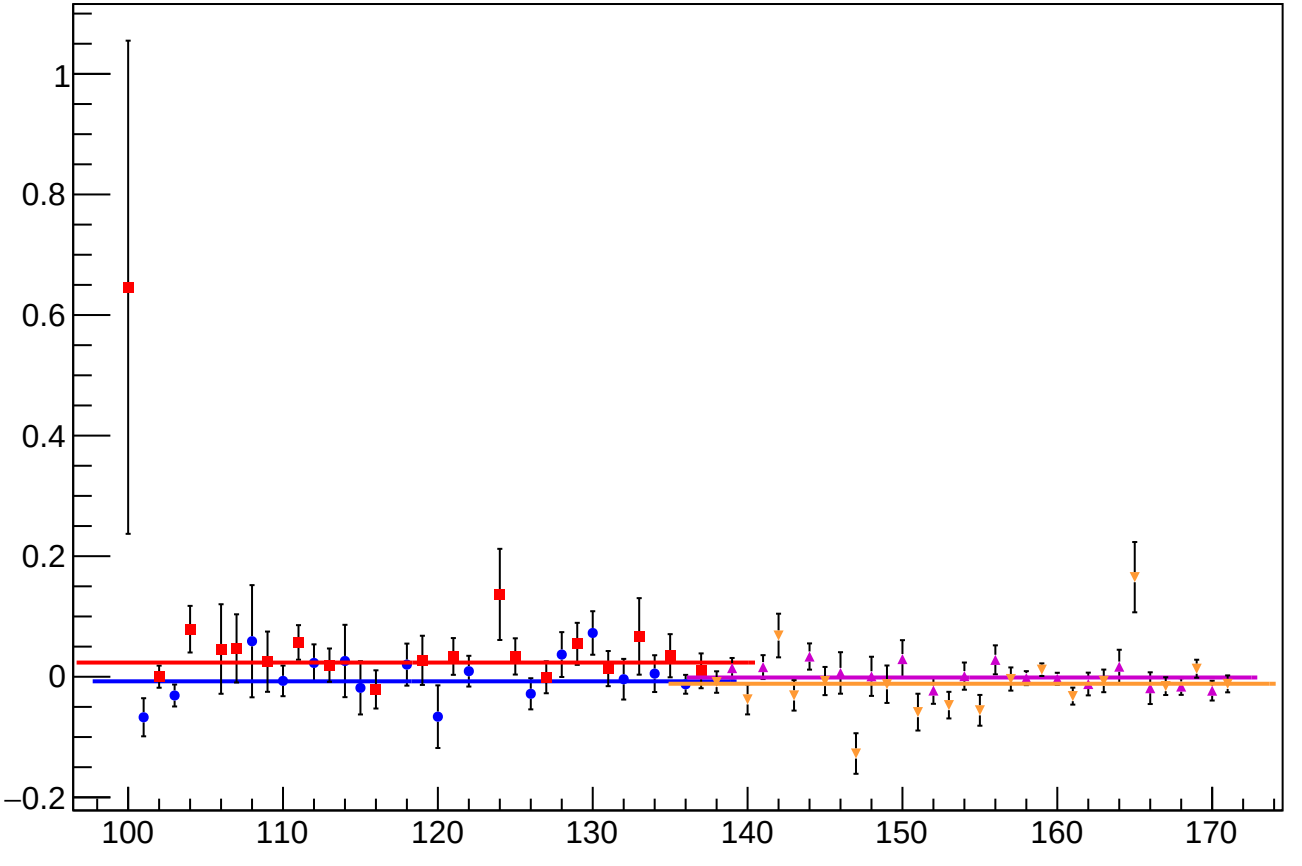
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.707+/-0.003 χ^2/NDF:3950968.5/31

Out: 16.398+/-0.003 χ^2/NDF:4602506.0/36

All: 16.049+/-0.002 χ^2/NDF: 8585557.3/68

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: -0.001+/-0.005 χ^2/NDF:11.8/15

Left: -0.006+/-0.003 χ^2/NDF: 60.2/33

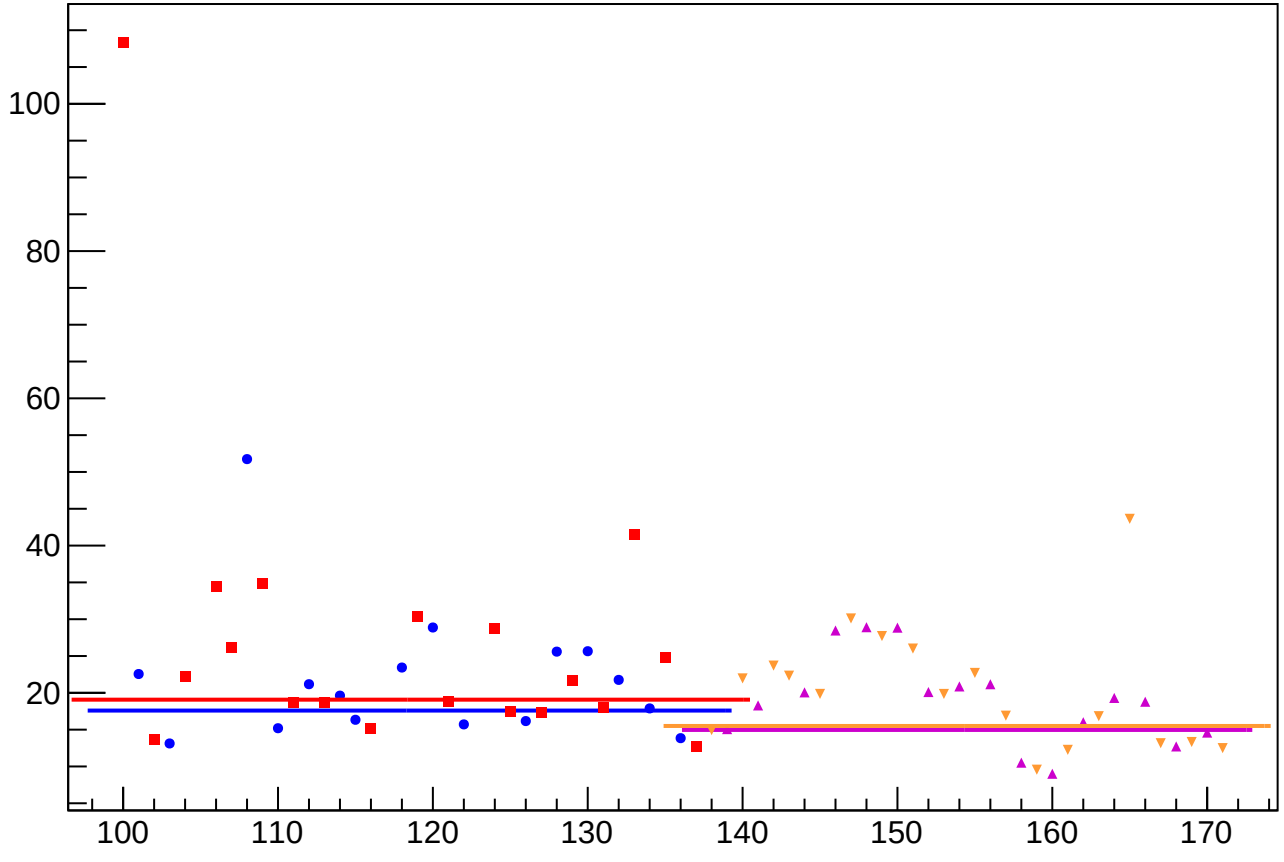
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:29.1/31

Out: -0.003+/-0.004 χ^2/NDF:75.8/36

All: -0.003+/-0.003 χ^2/NDF: 104.9/68

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: 14.960+/-0.003 χ^2/NDF:2766429.6/15

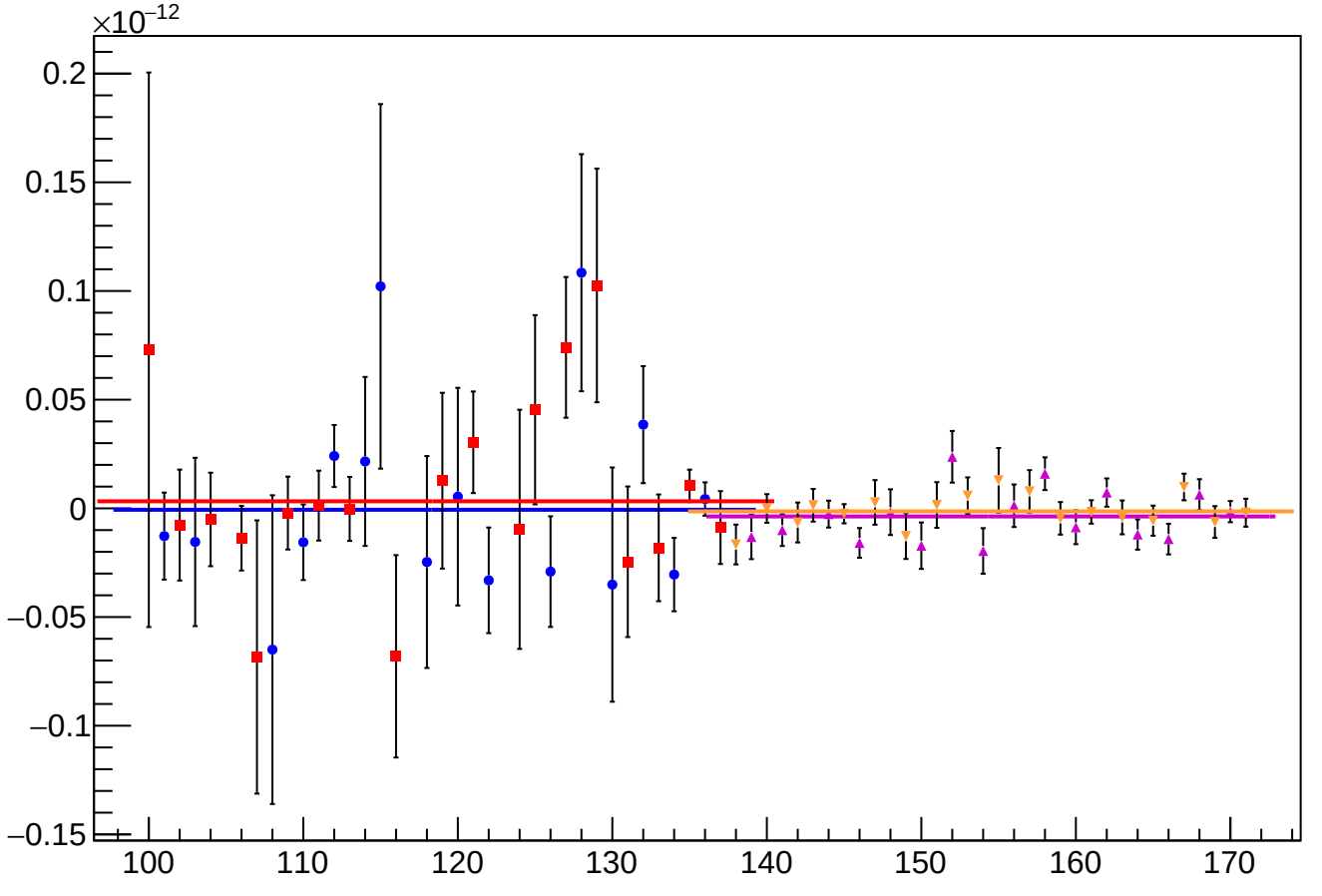
Left: 15.233+/-0.002 χ^2/NDF: 5816774.4/33

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.707+/-0.003 χ^2/NDF:3950968.5/31

Out: 16.398+/-0.003 χ^2/NDF:4602506.0/36

All: 16.049+/-0.002 χ^2/NDF: 8585557.3/68



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:30.2/15

Left: -0.000+/-0.000 χ^2/NDF: 42.9/33

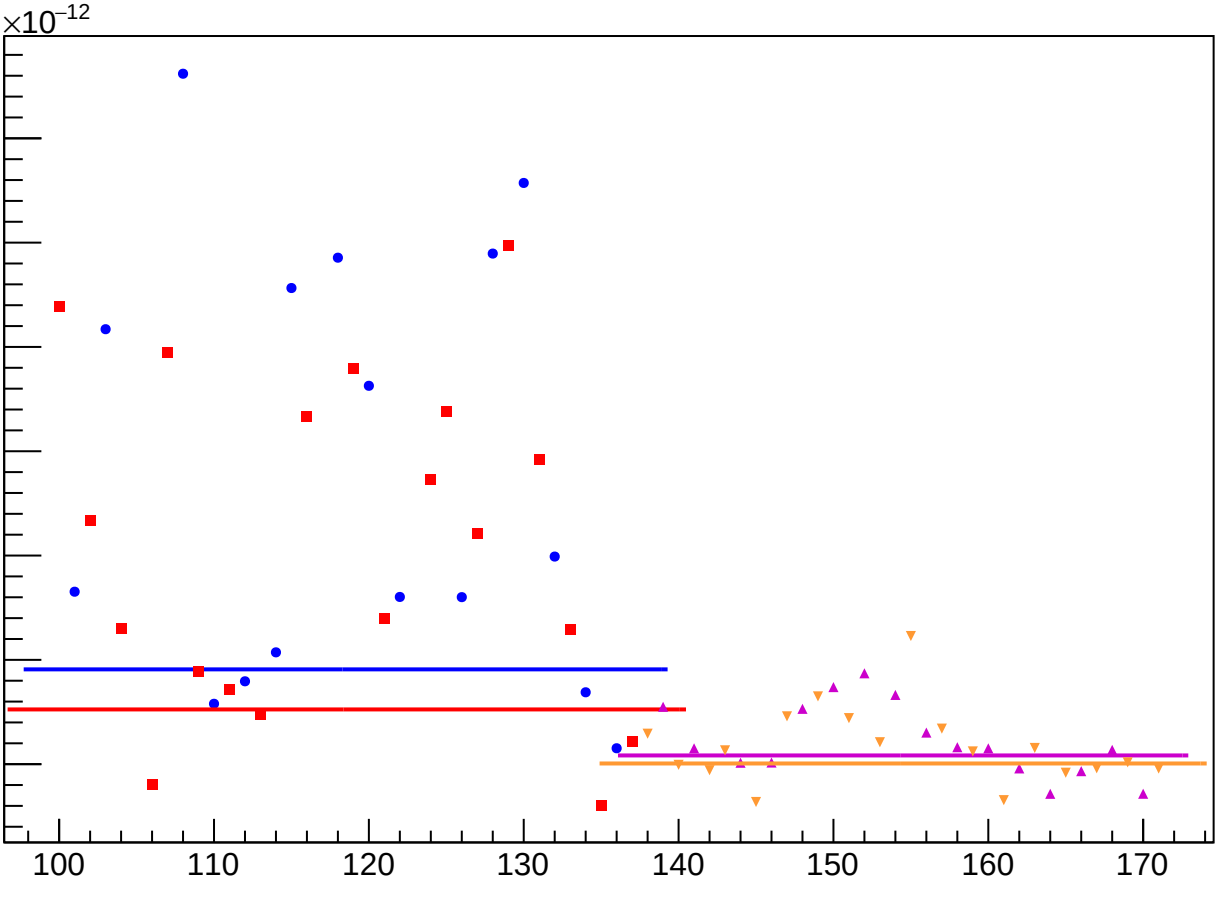
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:50.8/31

Out: -0.000+/-0.000 χ^2/NDF:31.9/36

All: -0.000+/-0.000 χ^2/NDF: 83.9/68

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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:1272517.5/15

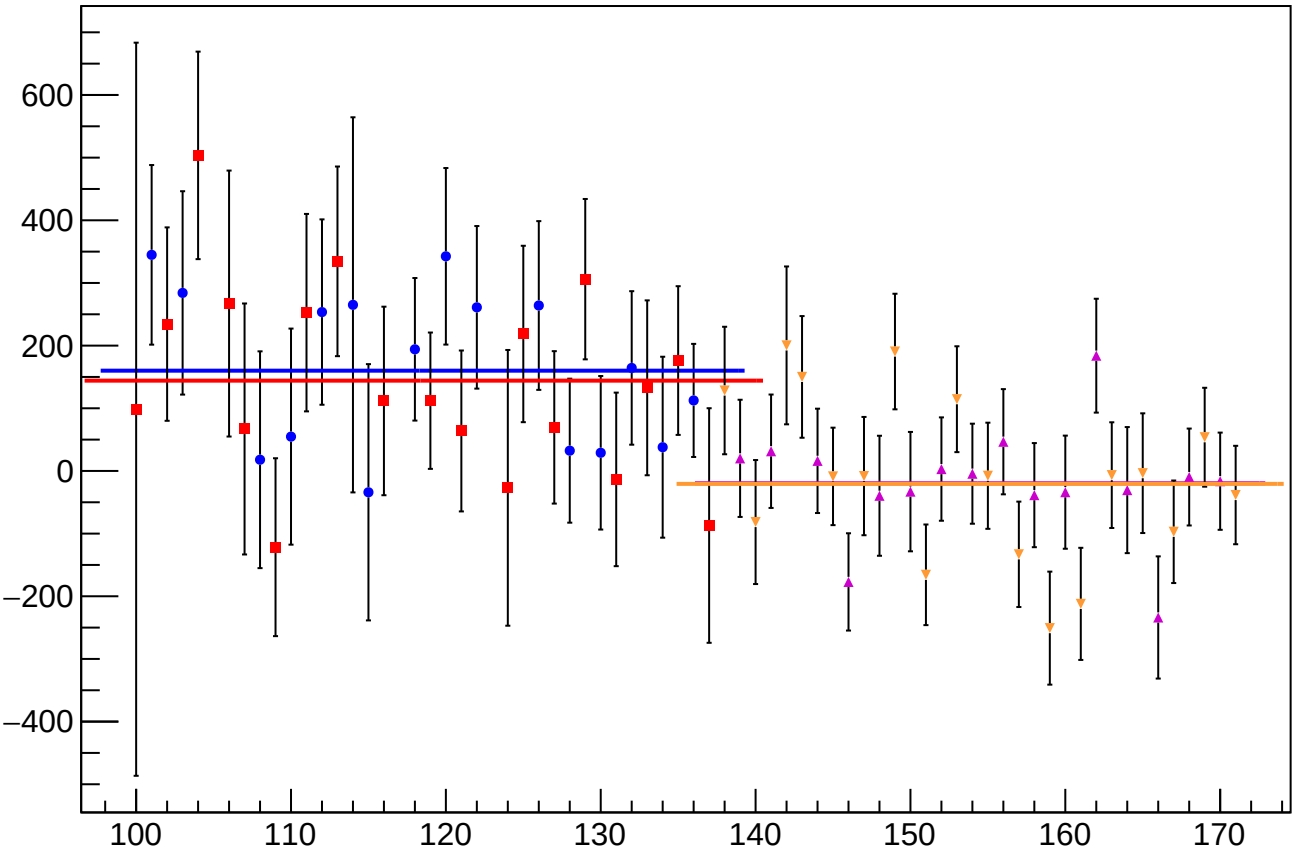
Left: 0.000+/-0.000 χ^2/NDF: 2784418.7/33

Right: 0.000+/-0.000 χ^2/NDF: 5879584.6/34

In: 0.000+/-0.000 χ^2/NDF:5069464.6/31

Out: 0.000+/-0.000 χ^2/NDF:5133088.0/36

All: 0.000+/-0.000 χ^2/NDF: 10308077.8/68



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: -19.621+/-21.628 χ^2/NDF:15.5/15

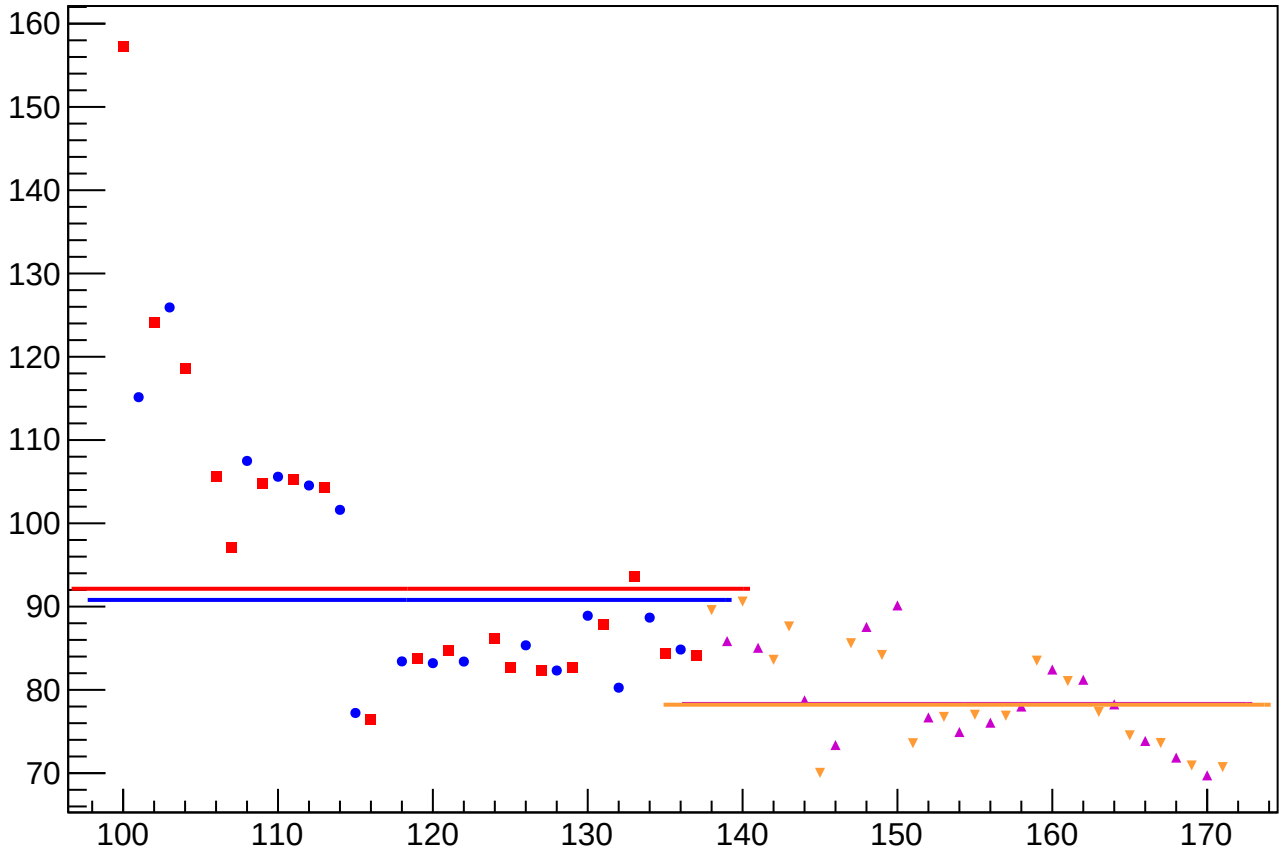
Left: -20.150+/-14.995 χ^2/NDF: 50.1/33

Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 31.763+/-18.275 χ^2/NDF:46.3/31

Out: 23.851+/-17.779 χ^2/NDF:68.9/36

All: 27.698+/-12.743 χ^2/NDF: 115.4/68



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: 78.310+/-0.015 χ^2/NDF:136299.0/15

Left: 78.263+/-0.011 χ^2/NDF: 319584.6/33

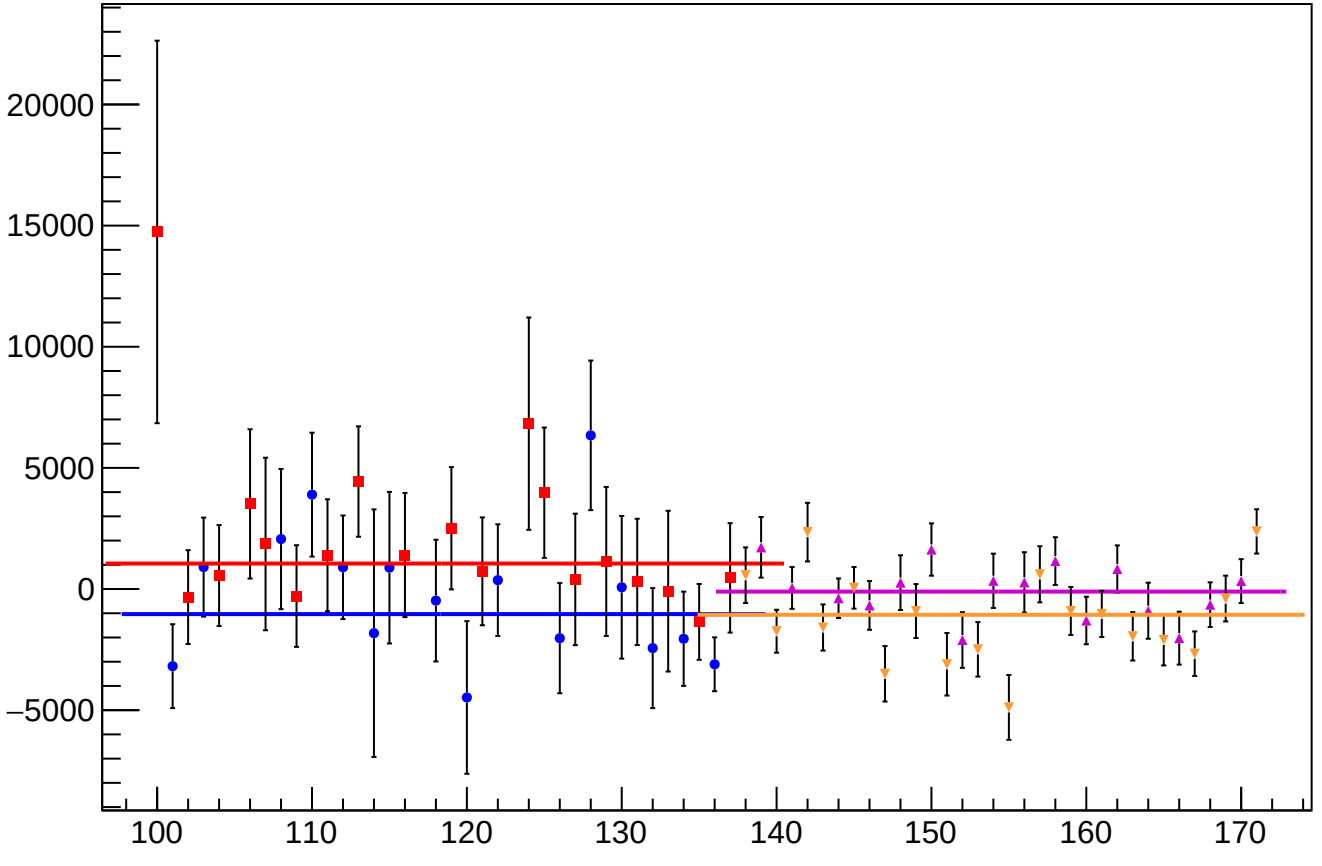
Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 81.883+/-0.013 χ^2/NDF:599905.8/31

Out: 81.979+/-0.013 χ^2/NDF:727043.6/36

All: 81.932+/-0.009 χ^2/NDF: 1326977.6/68

asym_sam_24_68_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1062.993+/-242.833 χ^2/NDF:51.0/17

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: -105.938+/-254.701 χ^2/NDF:16.7/15

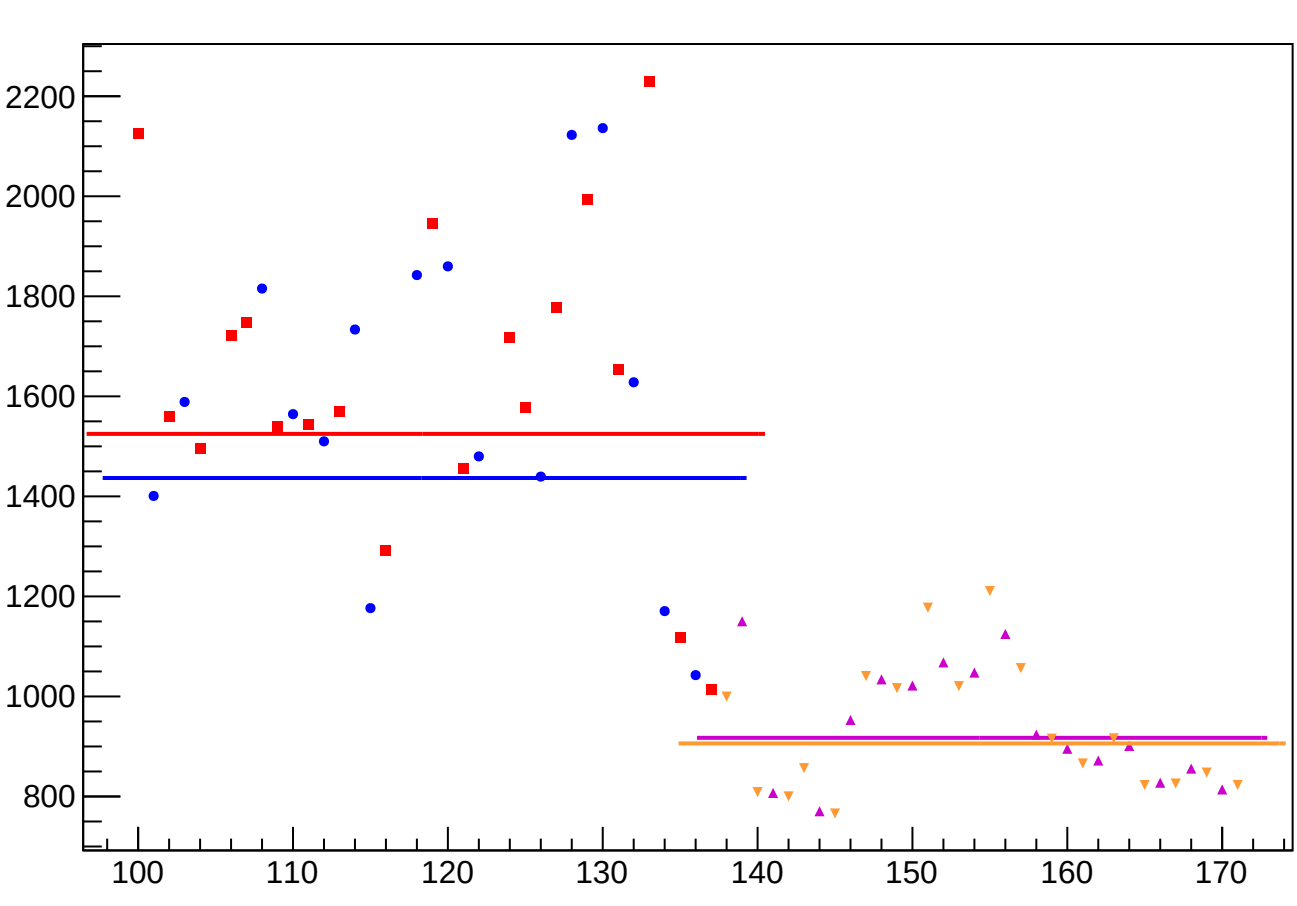
Left: -607.281+/-175.755 χ^2/NDF: 75.1/33

Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -269.901+/-231.137 χ^2/NDF:39.3/31

Out: -737.142+/-223.340 χ^2/NDF:75.5/36

All: -511.534+/-160.611 χ^2/NDF: 117.0/68



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: 917.267+/-0.180 χ^2/NDF:380648.6/15

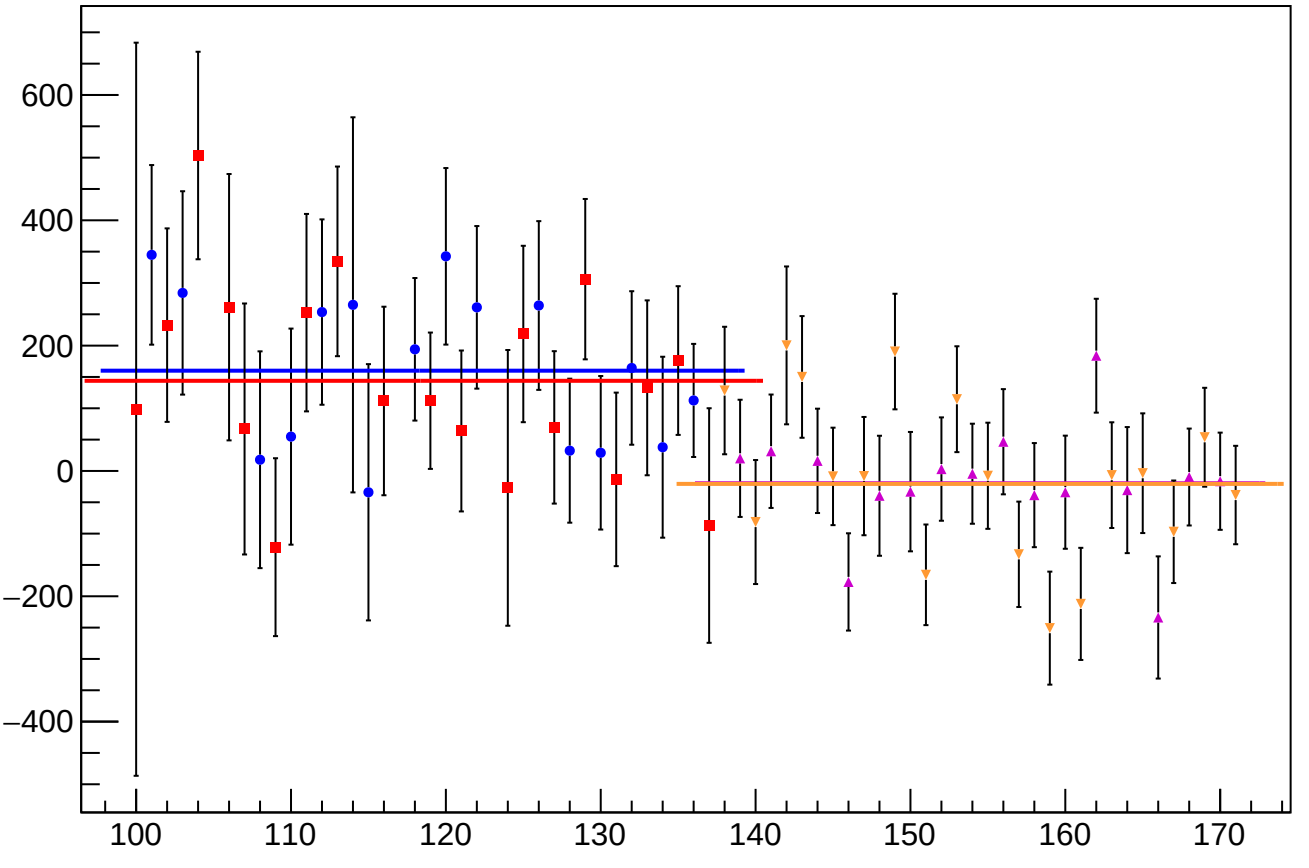
Left: 911.404+/-0.124 χ^2/NDF: 843913.0/33

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 1008.940+/-0.163 χ^2/NDF:2524470.3/31

Out: 1001.446+/-0.158 χ^2/NDF:2967678.4/36

All: 1005.065+/-0.114 χ^2/NDF: 5493236.2/68



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: -19.623+/-21.628 χ^2/NDF:15.5/15

Left: -20.150+/-14.995 χ^2/NDF: 50.1/33

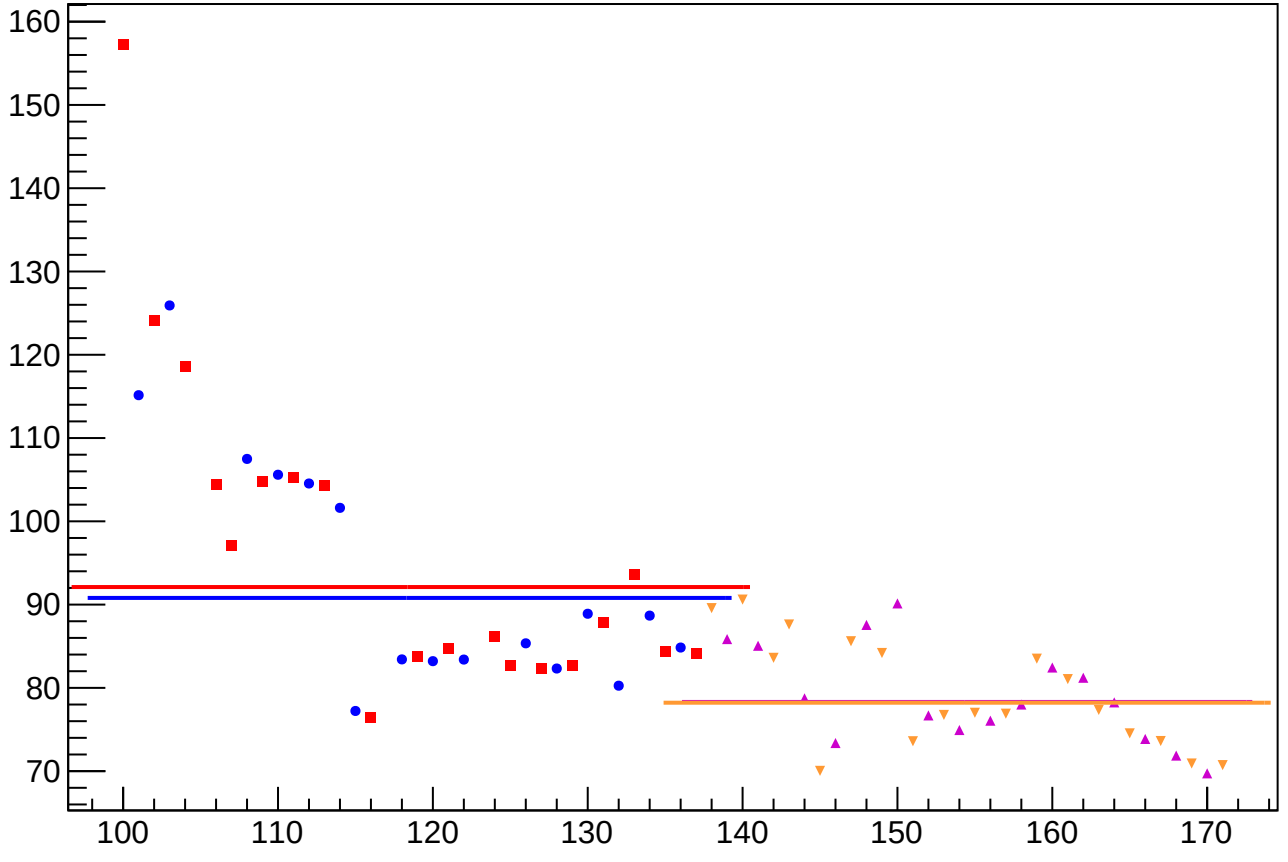
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 31.760+/-18.275 χ^2/NDF:46.3/31

Out: 23.779+/-17.779 χ^2/NDF:68.8/36

All: 27.660+/-12.743 χ^2/NDF: 115.2/68

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: 78.310+/-0.015 χ^2/NDF:136299.0/15

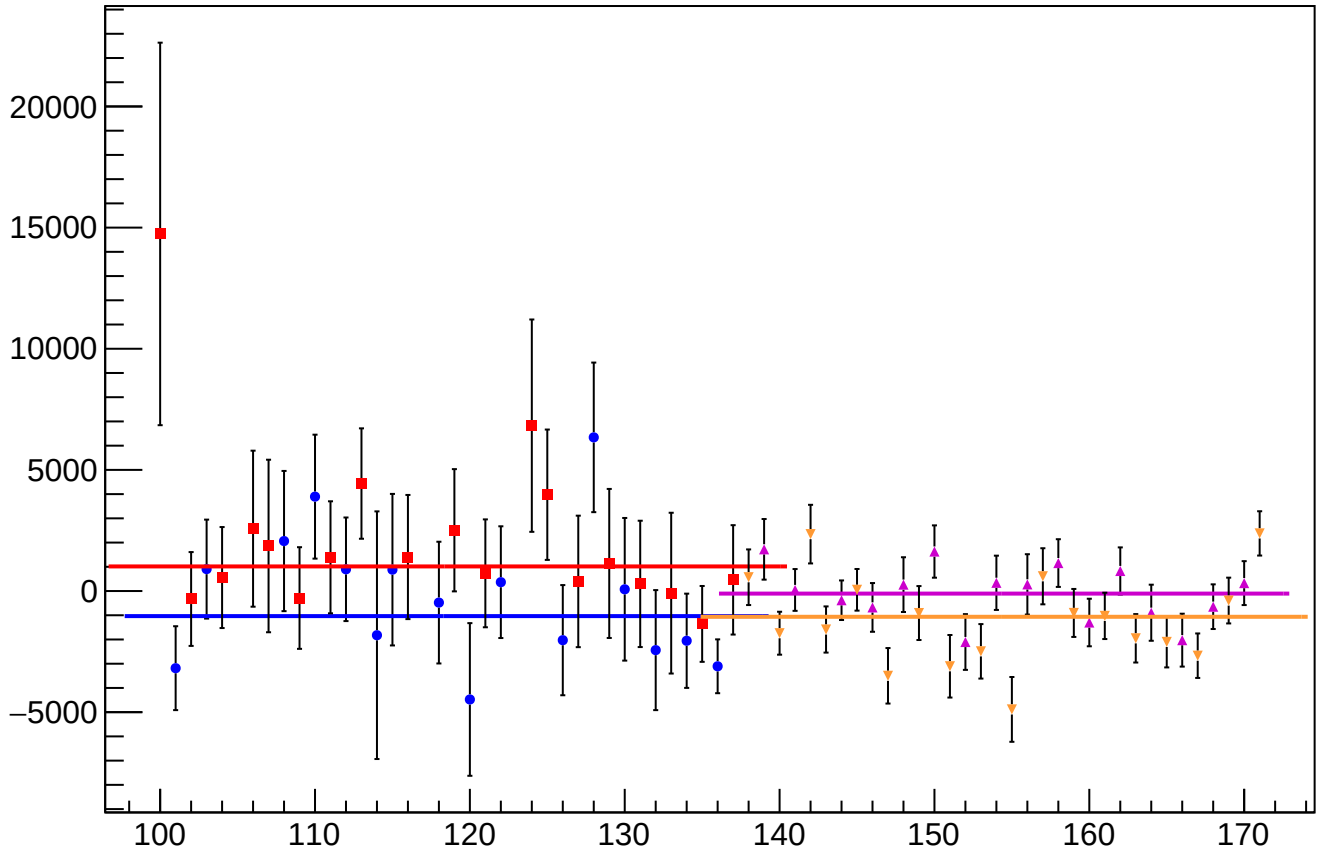
Left: 78.263+/-0.011 χ^2/NDF: 319584.5/33

Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.883+/-0.013 χ^2/NDF:599907.8/31

Out: 81.969+/-0.013 χ^2/NDF:724609.8/36

All: 81.927+/-0.009 χ^2/NDF: 1324540.5/68



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: -105.935+/-254.701 χ^2/NDF:16.7/15

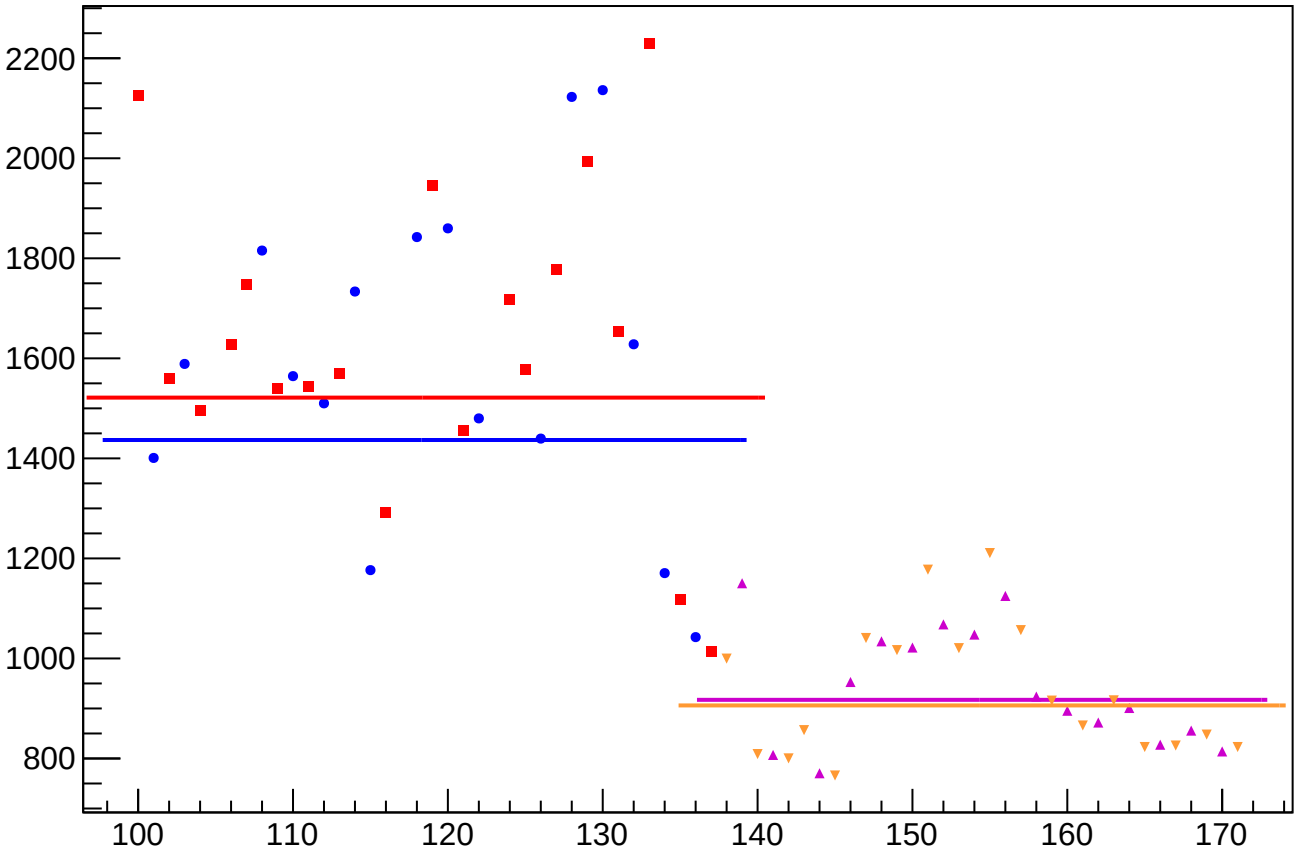
Left: -607.278+/-175.755 χ^2/NDF: 75.1/33

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -269.894+/-231.137 χ^2/NDF:39.3/31

Out: -743.503+/-223.391 χ^2/NDF:74.7/36

All: -514.767+/-160.630 χ^2/NDF: 116.2/68



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: 917.267+/-0.180 χ^2/NDF:380648.1/15

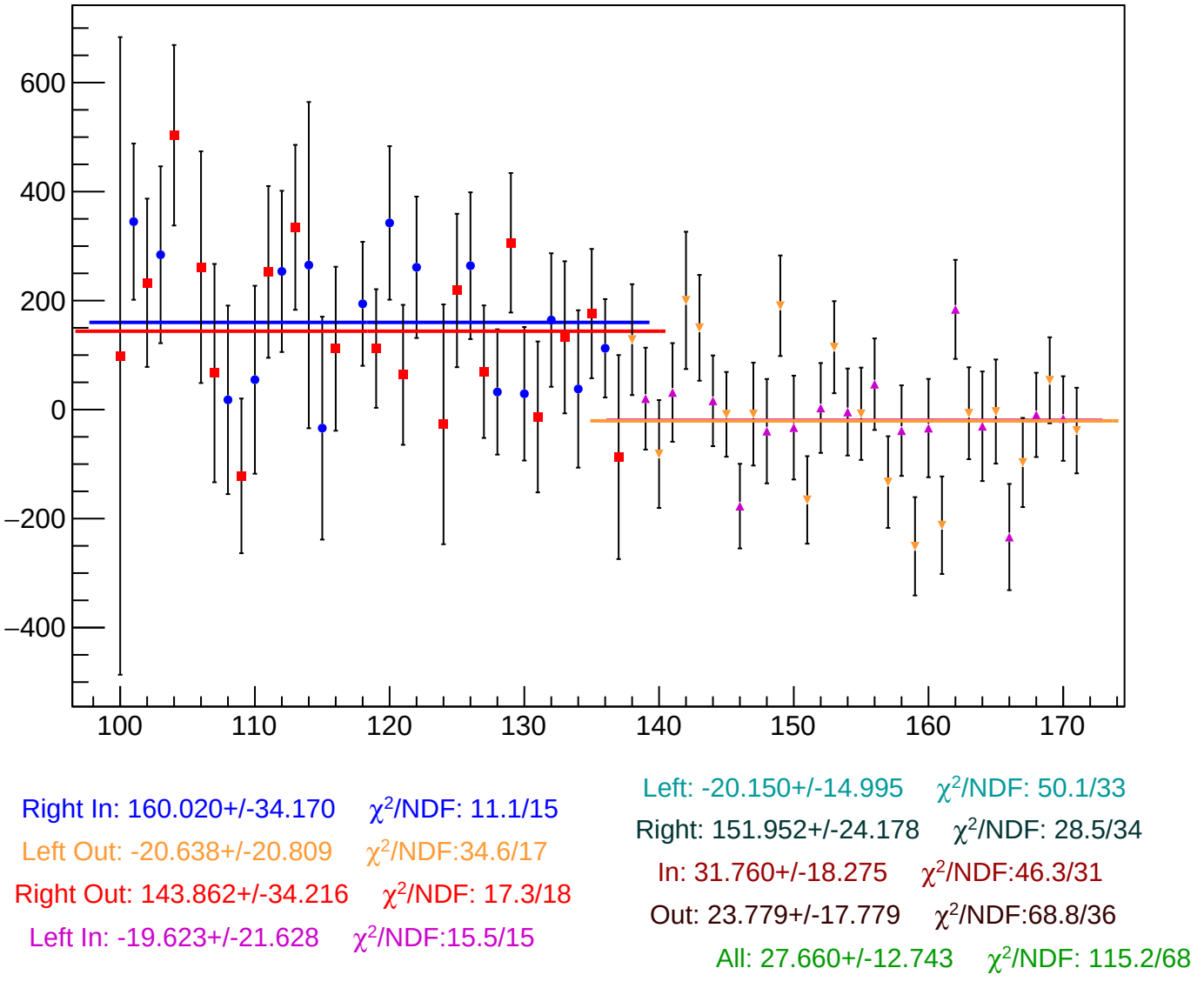
Left: 911.404+/-0.124 χ^2/NDF: 843913.7/33

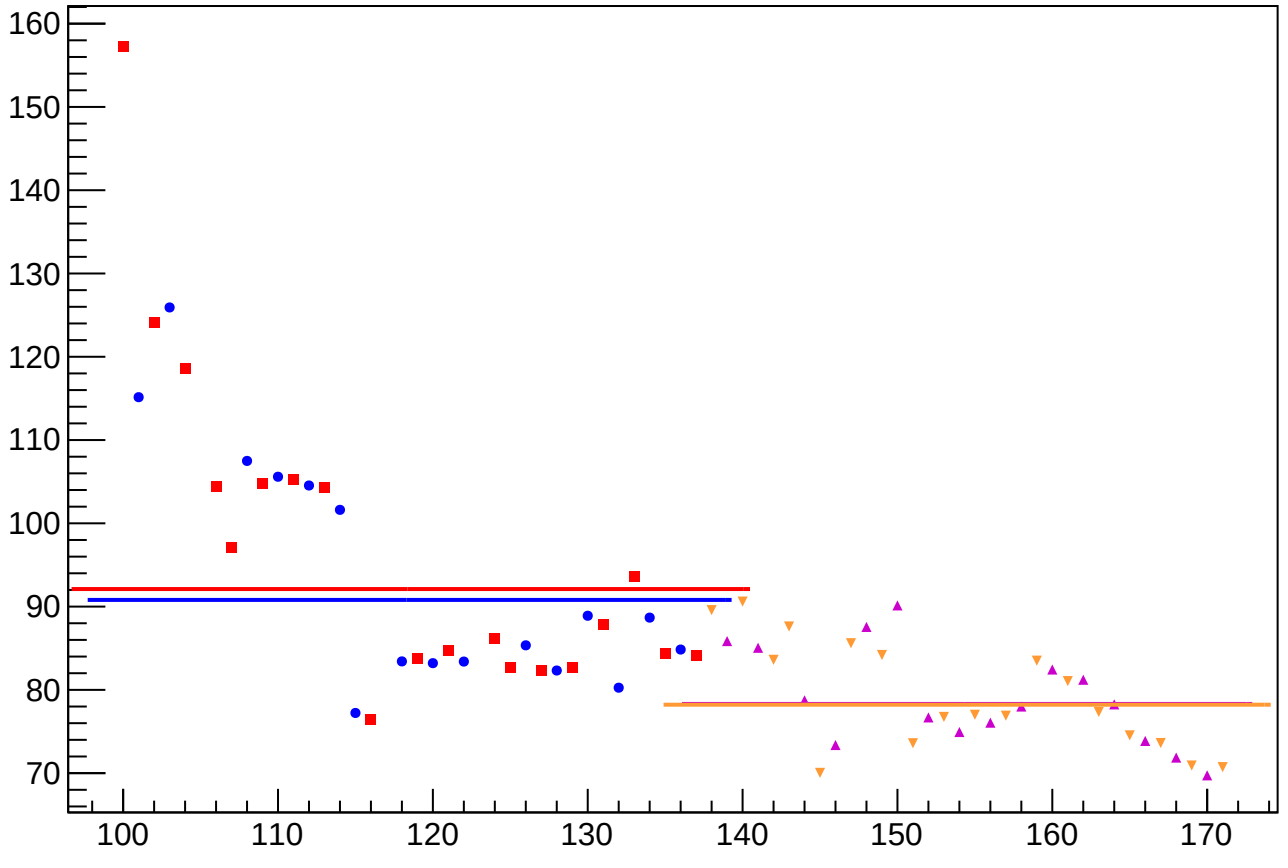
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1008.941+/-0.163 χ^2/NDF:2524489.9/31

Out: 1000.677+/-0.158 χ^2/NDF:2934240.5/36

All: 1004.668+/-0.114 χ^2/NDF: 5460052.3/68


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: -19.623+/-21.628 χ²/NDF:15.5/15
Left: -20.150+/-14.995 χ²/NDF: 50.1/33
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 31.760+/-18.275 χ²/NDF:46.3/31
Out: 23.779+/-17.779 χ²/NDF:68.8/36
All: 27.660+/-12.743 χ²/NDF: 115.2/68



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: 78.310+/-0.015 χ^2/NDF:136299.0/15

Left: 78.263+/-0.011 χ^2/NDF: 319584.5/33

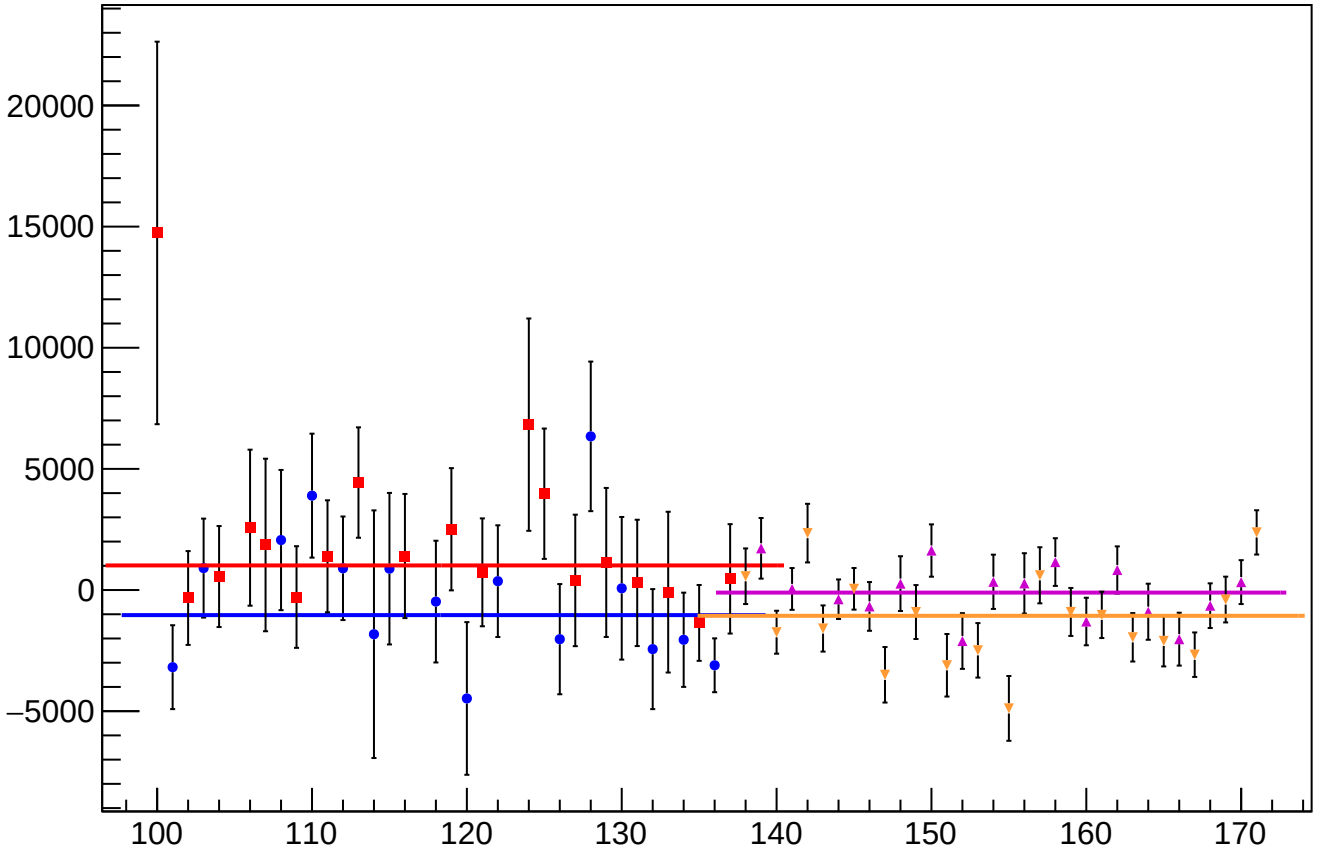
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 81.883+/-0.013 χ^2/NDF:599907.8/31

Out: 81.969+/-0.013 χ^2/NDF:724609.8/36

All: 81.927+/-0.009 χ^2/NDF: 1324540.5/68

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1062.989+/-242.833 χ^2/NDF:51.0/17

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: -105.935+/-254.701 χ^2/NDF:16.7/15

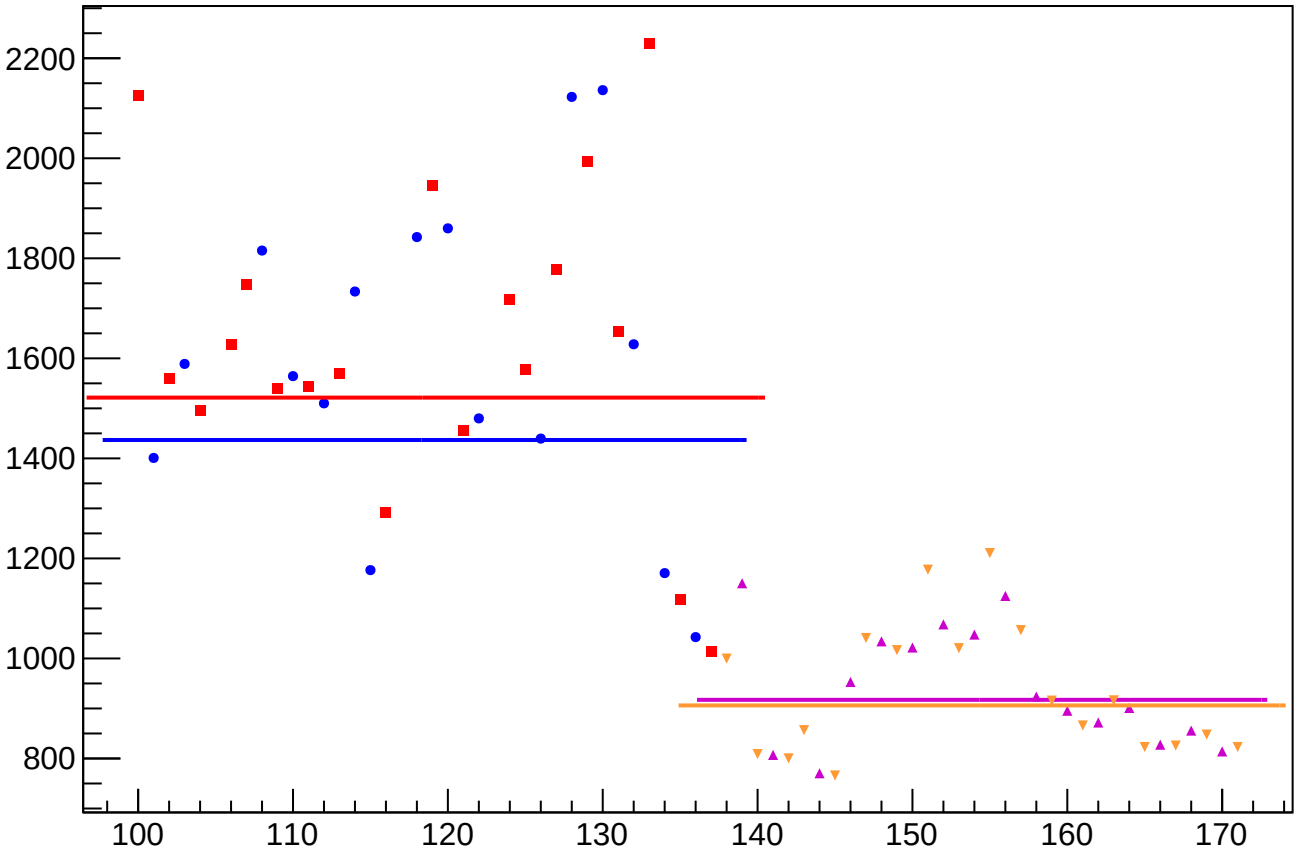
Left: -607.278+/-175.755 χ^2/NDF: 75.1/33

Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -269.894+/-231.137 χ^2/NDF:39.3/31

Out: -743.503+/-223.391 χ^2/NDF:74.7/36

All: -514.767+/-160.630 χ^2/NDF: 116.2/68



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: 917.267+/-0.180 χ^2/NDF:380648.1/15

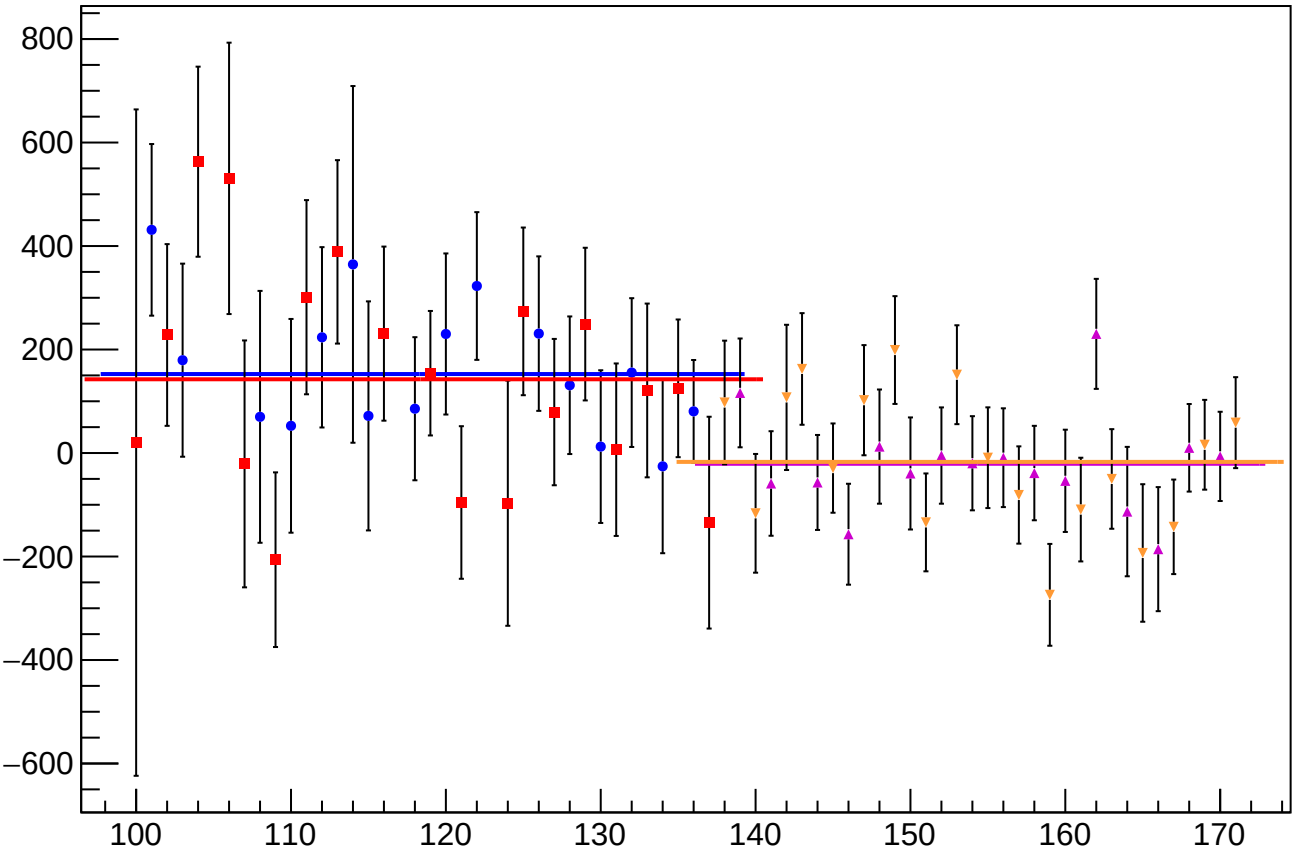
Left: 911.404+/-0.124 χ^2/NDF: 843913.7/33

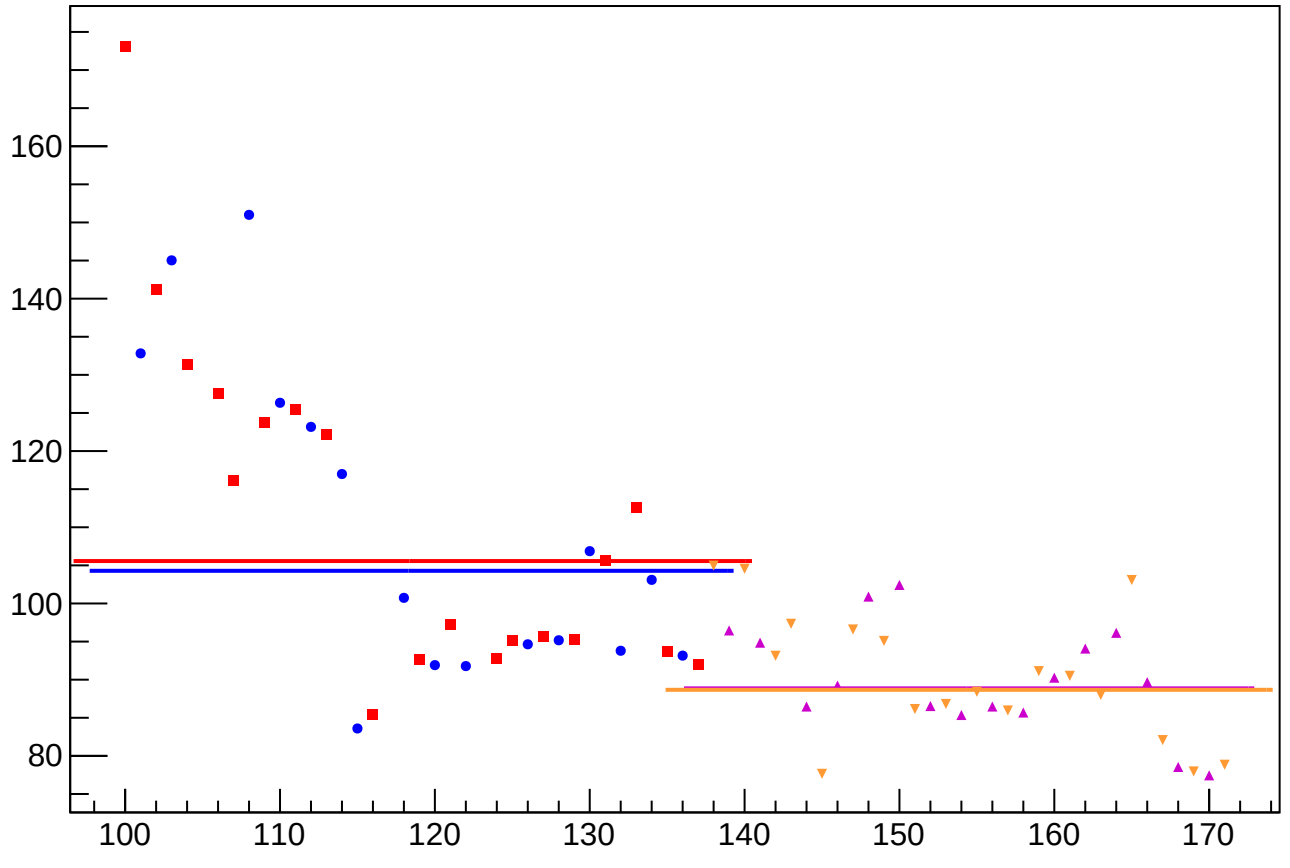
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 1008.941+/-0.163 χ^2/NDF:2524489.9/31

Out: 1000.677+/-0.158 χ^2/NDF:2934240.5/36

All: 1004.668+/-0.114 χ^2/NDF: 5460052.3/68


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
100
110
120
130
140
150
160
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: -20.800+/-24.659 χ²/NDF:12.4/15
Left: -18.888+/-17.070 χ²/NDF: 40.7/33
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 27.929+/-20.910 χ²/NDF:35.0/31
Out: 25.255+/-20.272 χ²/NDF:63.2/36
All: 26.551+/-14.554 χ²/NDF: 98.2/68



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: 88.861+/-0.017 χ^2/NDF:158877.1/15

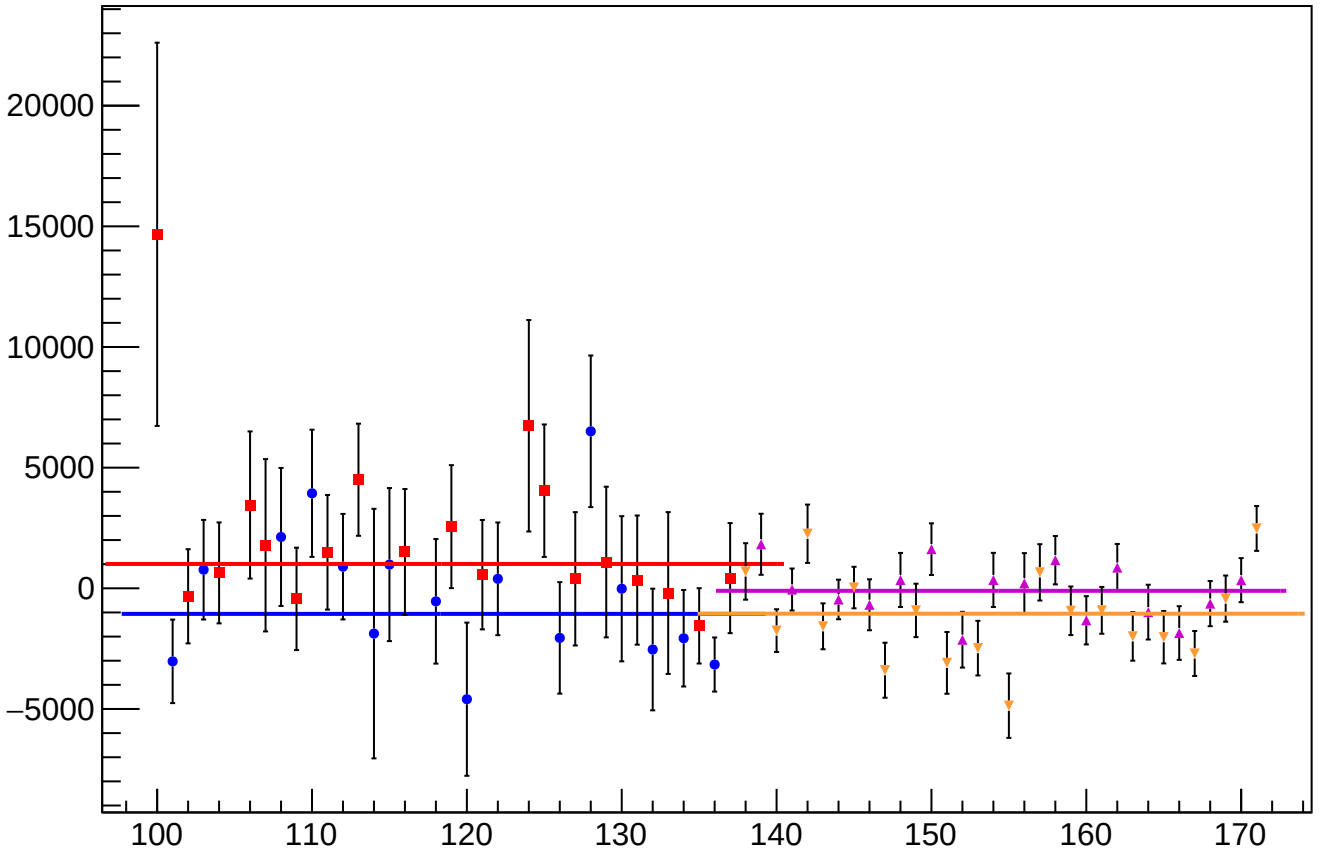
Left: 88.762+/-0.012 χ^2/NDF: 396086.6/33

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 93.195+/-0.015 χ^2/NDF:757072.8/31

Out: 93.157+/-0.014 χ^2/NDF:852752.1/36

All: 93.176+/-0.010 χ^2/NDF: 1609828.4/68



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: -103.191+/-256.930 χ^2/NDF:16.6/15

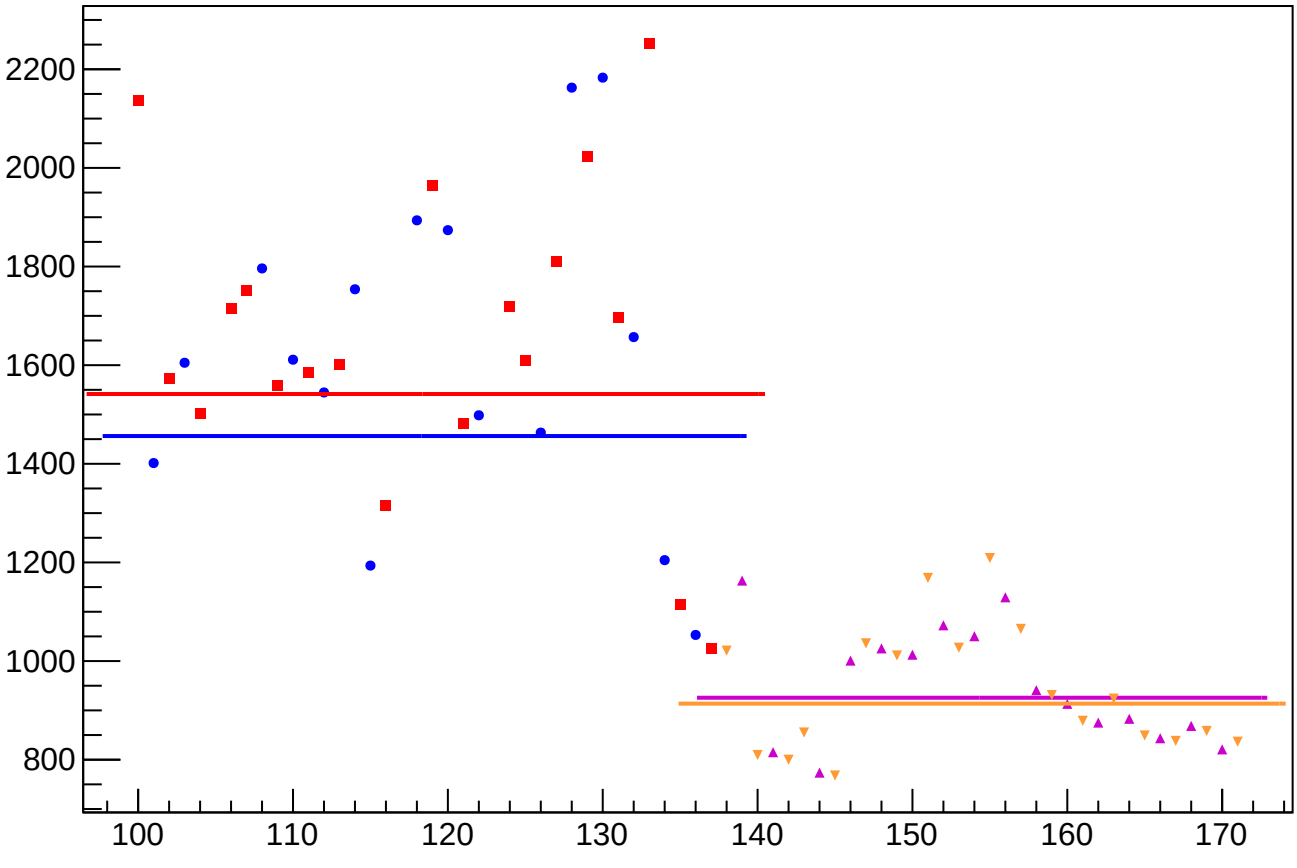
Left: -600.737+/-177.182 χ^2/NDF: 74.4/33

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -270.625+/-233.353 χ^2/NDF:39.0/31

Out: -735.935+/-225.139 χ^2/NDF:74.8/36

All: -511.613+/-162.023 χ^2/NDF: 115.9/68



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: 925.641+/-0.182 χ^2/NDF:374526.2/15

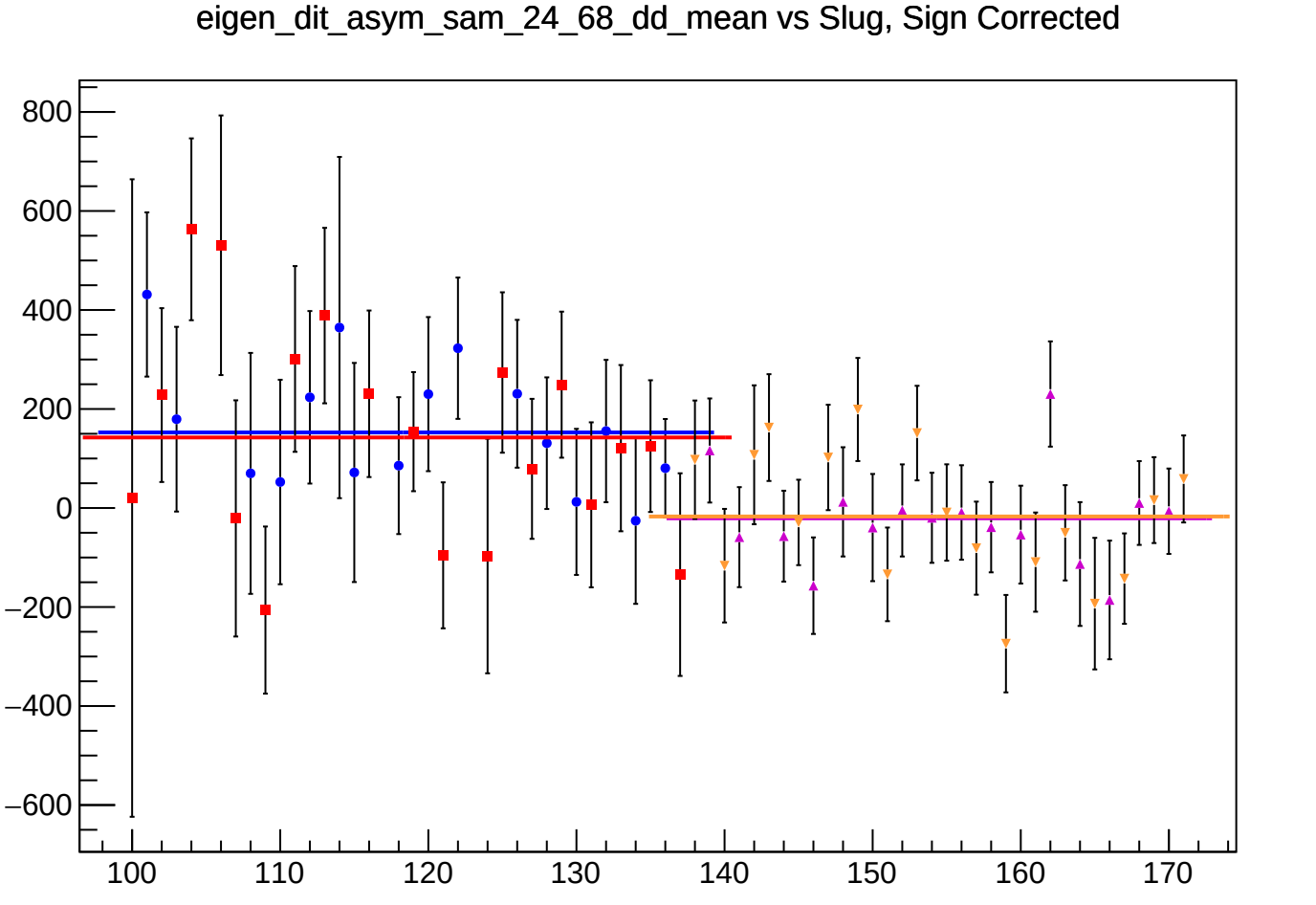
Left: 919.370+/-0.125 χ^2/NDF: 817660.7/33

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 1018.565+/-0.165 χ^2/NDF:2553322.0/31

Out: 1009.903+/-0.159 χ^2/NDF:2978530.0/36

All: 1014.079+/-0.115 χ^2/NDF: 5533279.2/68


eigen_dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
600
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−200
−400
−600
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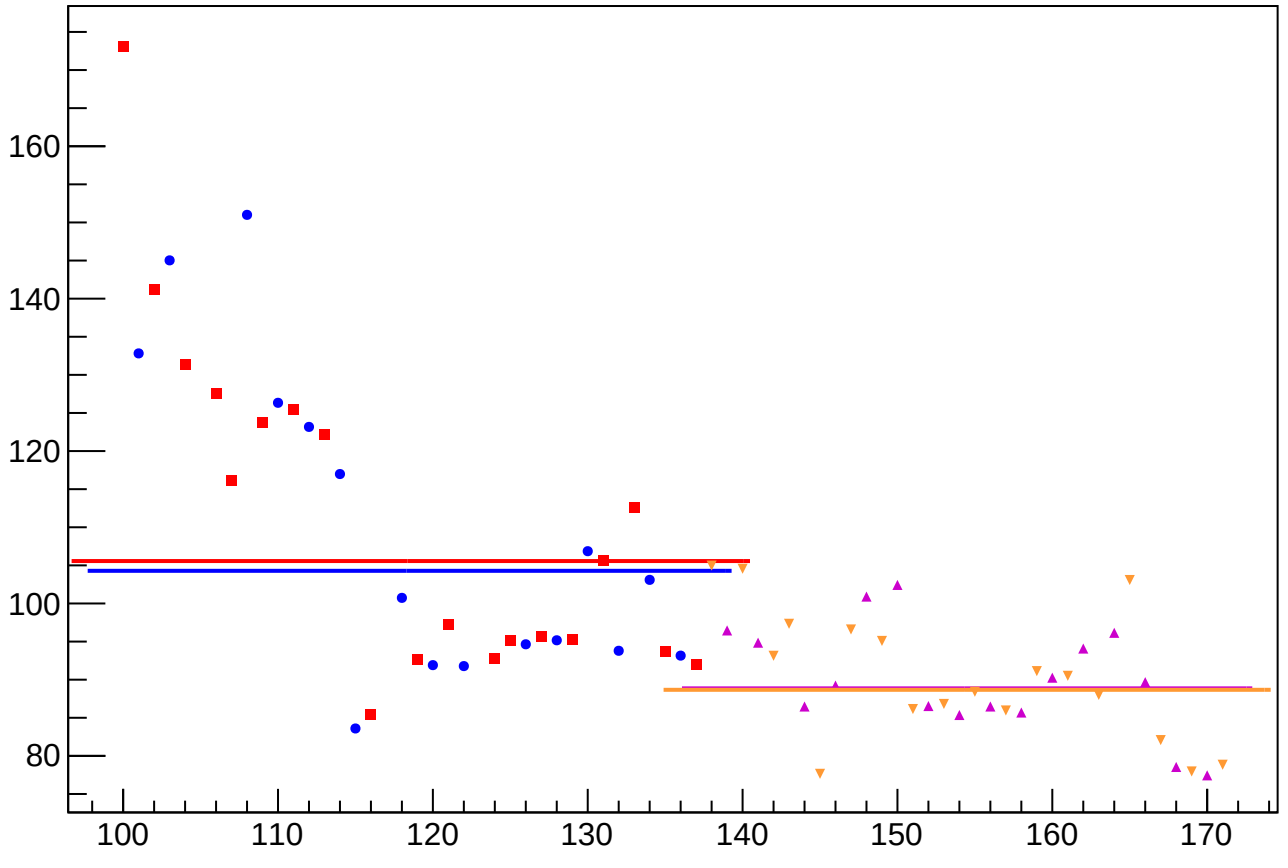
110
120
130
140
150
160
170
Right In: 152.628+/-39.446 χ²/NDF: 8.6/15
Left Out: -17.129+/-23.654 χ²/NDF:28.2/17
Right Out: 142.494+/-39.340 χ²/NDF: 22.9/18
Left In: -20.800+/-24.659 χ²/NDF:12.4/15
Left: -18.888+/-17.070 χ²/NDF: 40.7/33
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 27.930+/-20.909 χ²/NDF:35.0/31
Out: 25.255+/-20.272 χ²/NDF:63.2/36
All: 26.551+/-14.554 χ²/NDF: 98.2/68



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: 88.861+/-0.017 χ^2/NDF:158878.8/15

Left: 88.762+/-0.012 χ^2/NDF: 396086.9/33

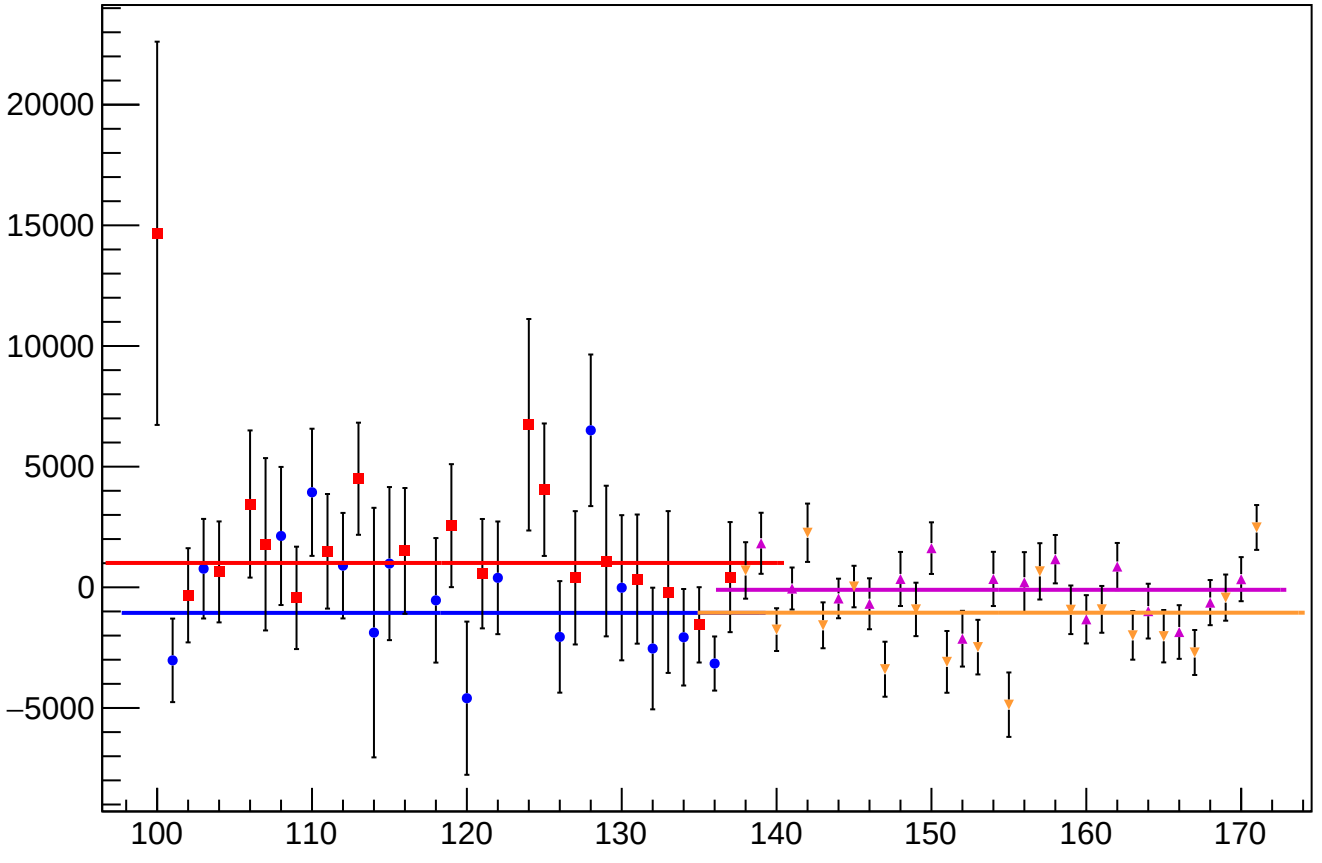
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 93.195+/-0.015 χ^2/NDF:757052.1/31

Out: 93.157+/-0.014 χ^2/NDF:852726.9/36

All: 93.176+/-0.010 χ^2/NDF: 1609782.3/68

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: -103.191+/-256.930 χ^2/NDF:16.6/15

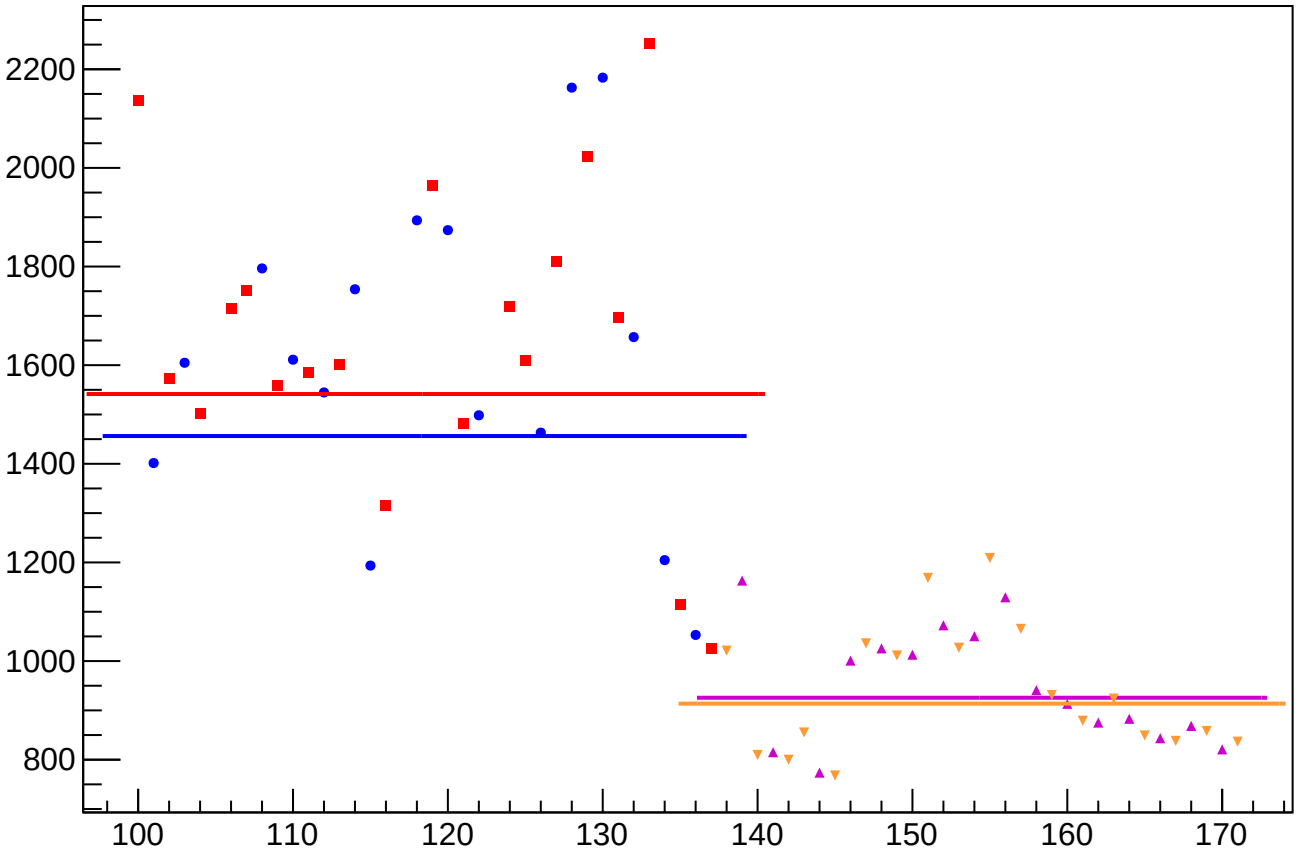
Left: -600.737+/-177.182 χ^2/NDF: 74.4/33

Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -270.625+/-233.352 χ^2/NDF:39.0/31

Out: -735.934+/-225.138 χ^2/NDF:74.8/36

All: -511.613+/-162.023 χ^2/NDF: 115.9/68



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: 925.640+/-0.182 χ^2/NDF:374528.7/15

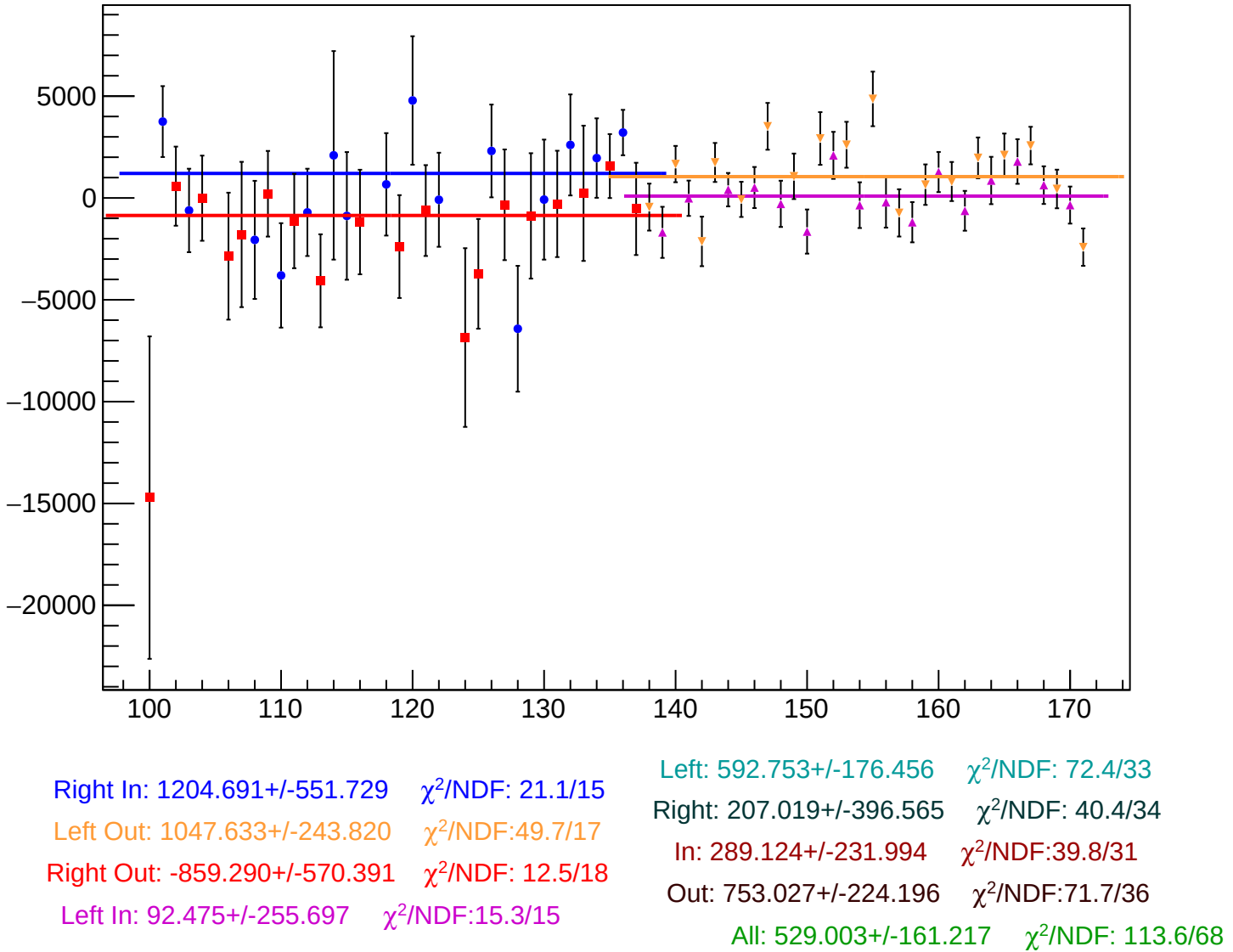
Left: 919.369+/-0.125 χ^2/NDF: 817666.7/33

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

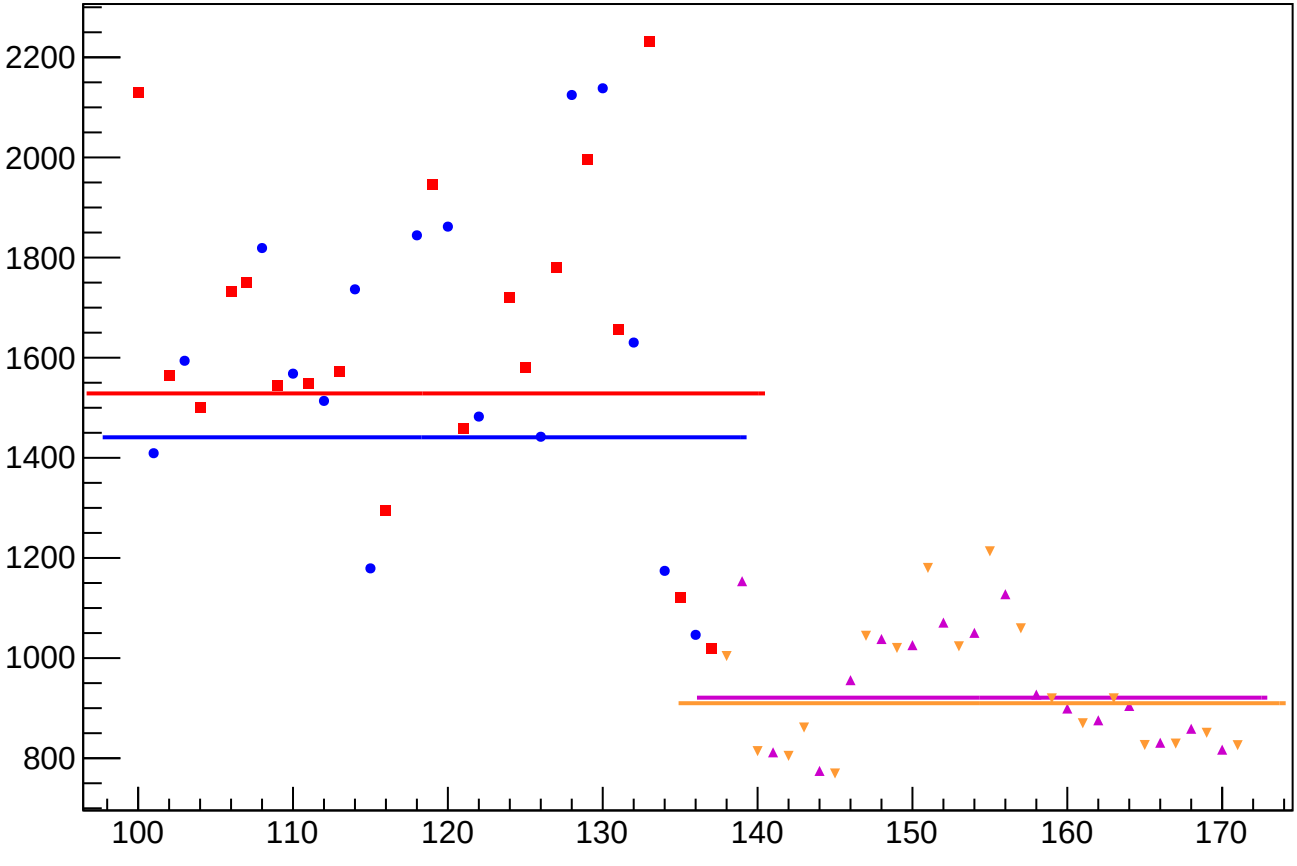
In: 1018.564+/-0.165 χ^2/NDF:2553318.7/31

Out: 1009.902+/-0.159 χ^2/NDF:2978528.0/36

All: 1014.078+/-0.115 χ^2/NDF: 5533273.9/68


asym_sam_24_68_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1204.691+/-551.729 χ²/NDF: 21.1/15
Left Out: 1047.633+/-243.820 χ²/NDF:49.7/17
Right Out: -859.290+/-570.391 χ²/NDF: 12.5/18
Left In: 92.475+/-255.697 χ²/NDF:15.3/15
Left: 592.753+/-176.456 χ²/NDF: 72.4/33
Right: 207.019+/-396.565 χ²/NDF: 40.4/34
In: 289.124+/-231.994 χ²/NDF:39.8/31
Out: 753.027+/-224.196 χ²/NDF:71.7/36
All: 529.003+/-161.217 χ²/NDF: 113.6/68

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: 920.965+/-0.181 χ^2/NDF:375935.2/15

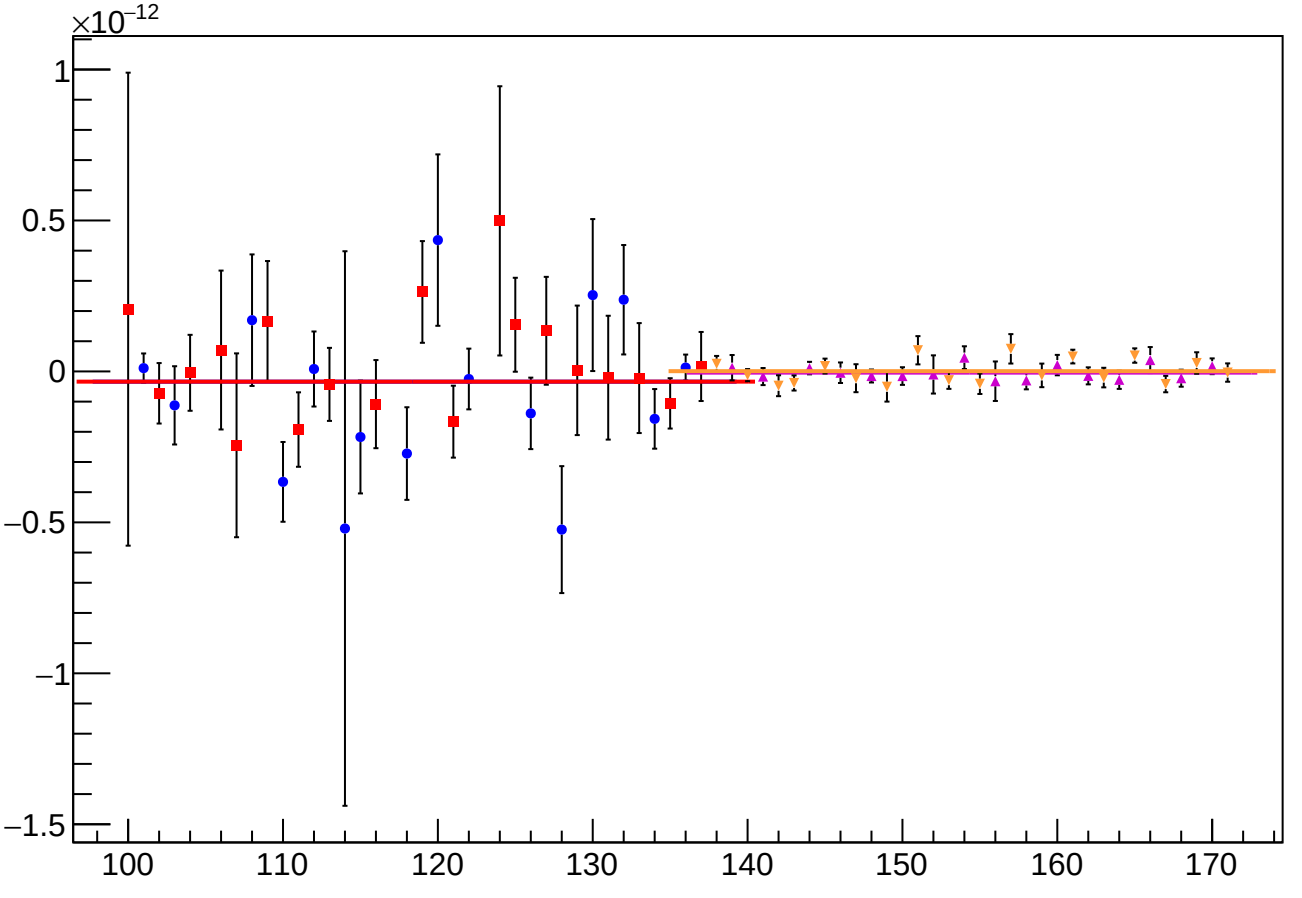
Left: 915.162+/-0.125 χ^2/NDF: 833655.5/33

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 1012.916+/-0.164 χ^2/NDF:2509416.1/31

Out: 1005.481+/-0.159 χ^2/NDF:2947472.9/36

All: 1009.071+/-0.114 χ^2/NDF: 5457951.0/68



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:7.3/15

Left: -0.000+/-0.000 χ^2/NDF: 35.0/33

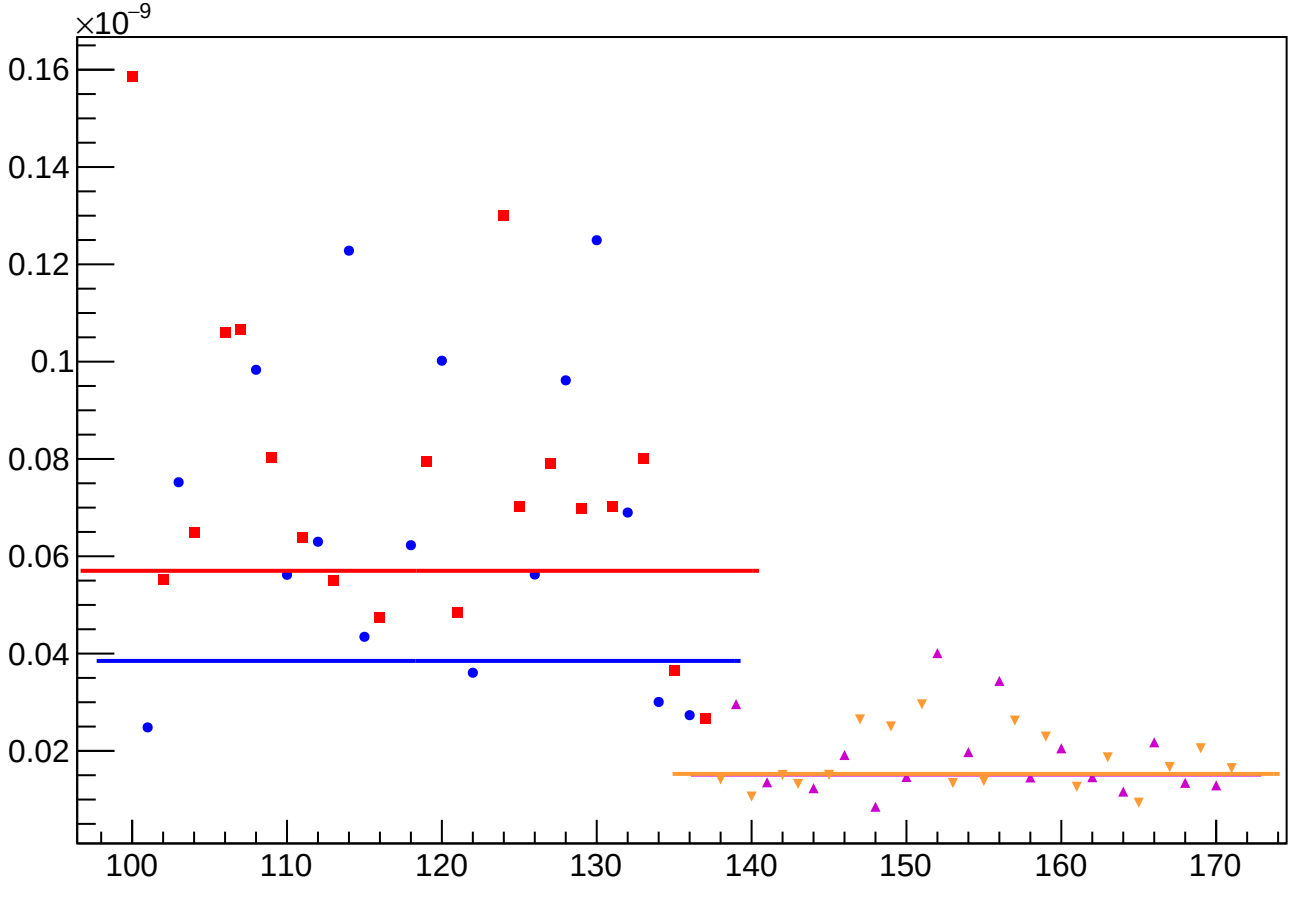
Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:36.0/31

Out: -0.000+/-0.000 χ^2/NDF:41.4/36

All: -0.000+/-0.000 χ^2/NDF: 77.8/68

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



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:1161088.8/15

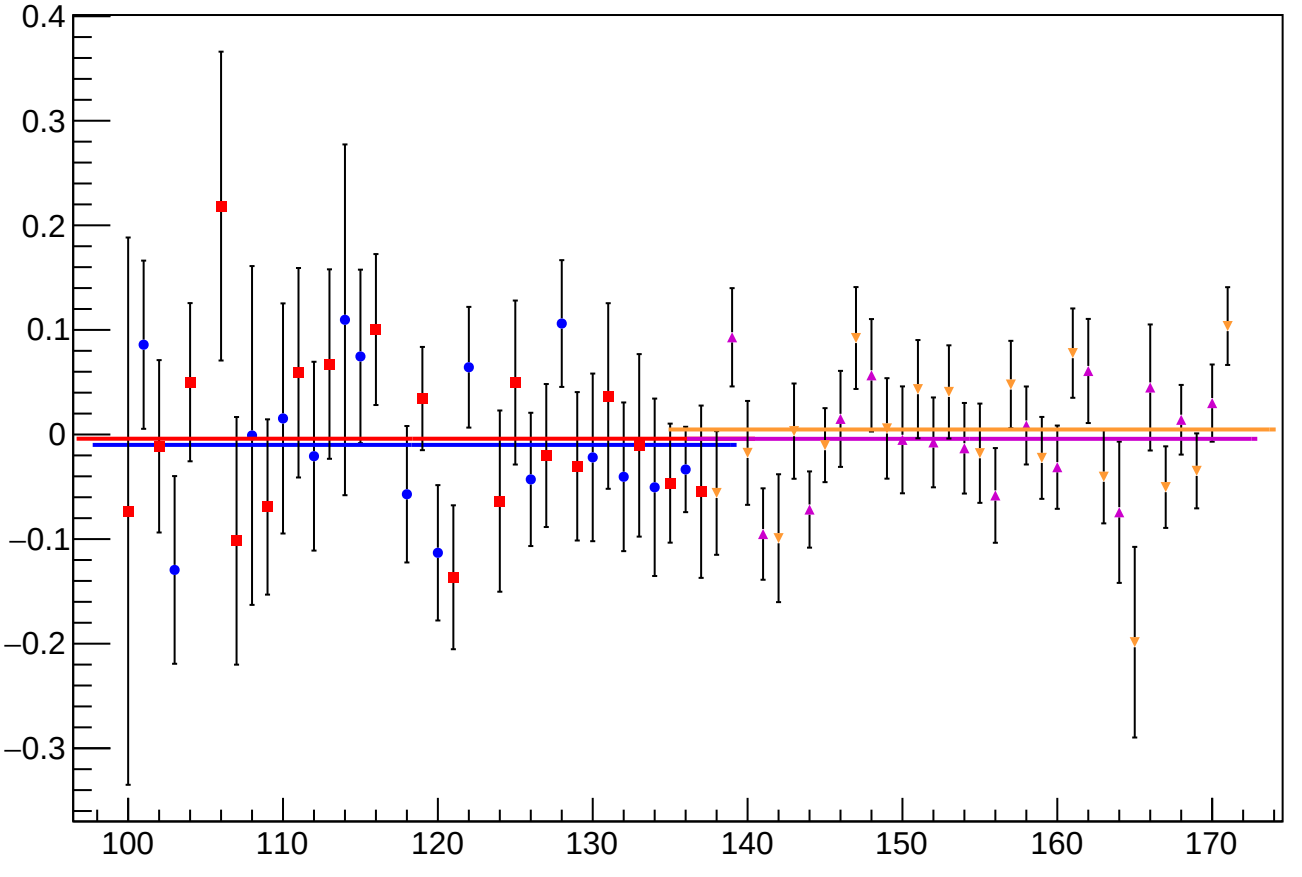
Left: 0.000+/-0.000 χ^2/NDF: 2083044.3/33

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4134716.9/31

Out: 0.000+/-0.000 χ^2/NDF:4507561.8/36

All: 0.000+/-0.000 χ^2/NDF: 8642595.0/68



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: -0.004+/-0.011 χ^2/NDF:20.2/15

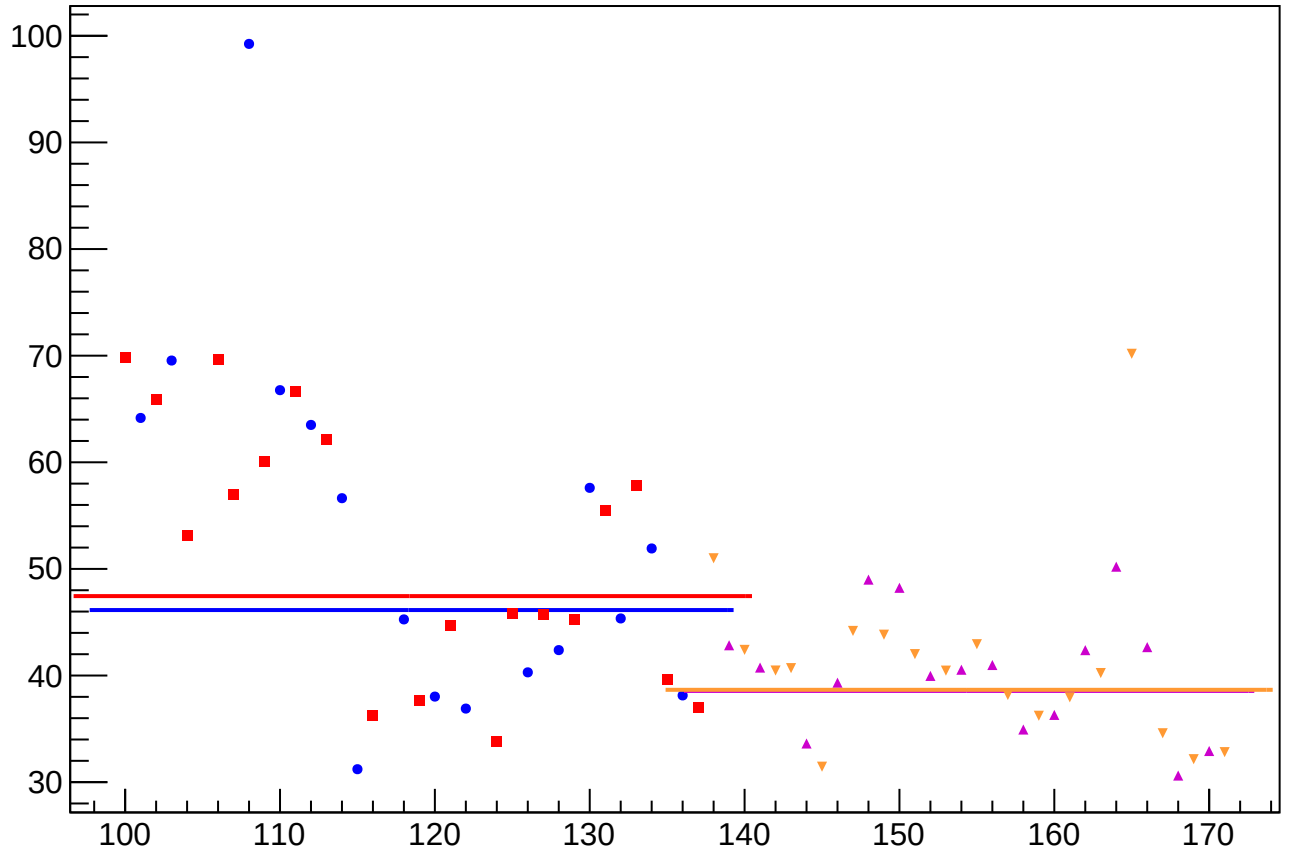
Left: 0.001+/-0.008 χ^2/NDF: 50.4/33

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: -0.001+/-0.007 χ^2/NDF: 78.8/68



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: 38.554+/-0.008 χ^2/NDF:484060.0/15

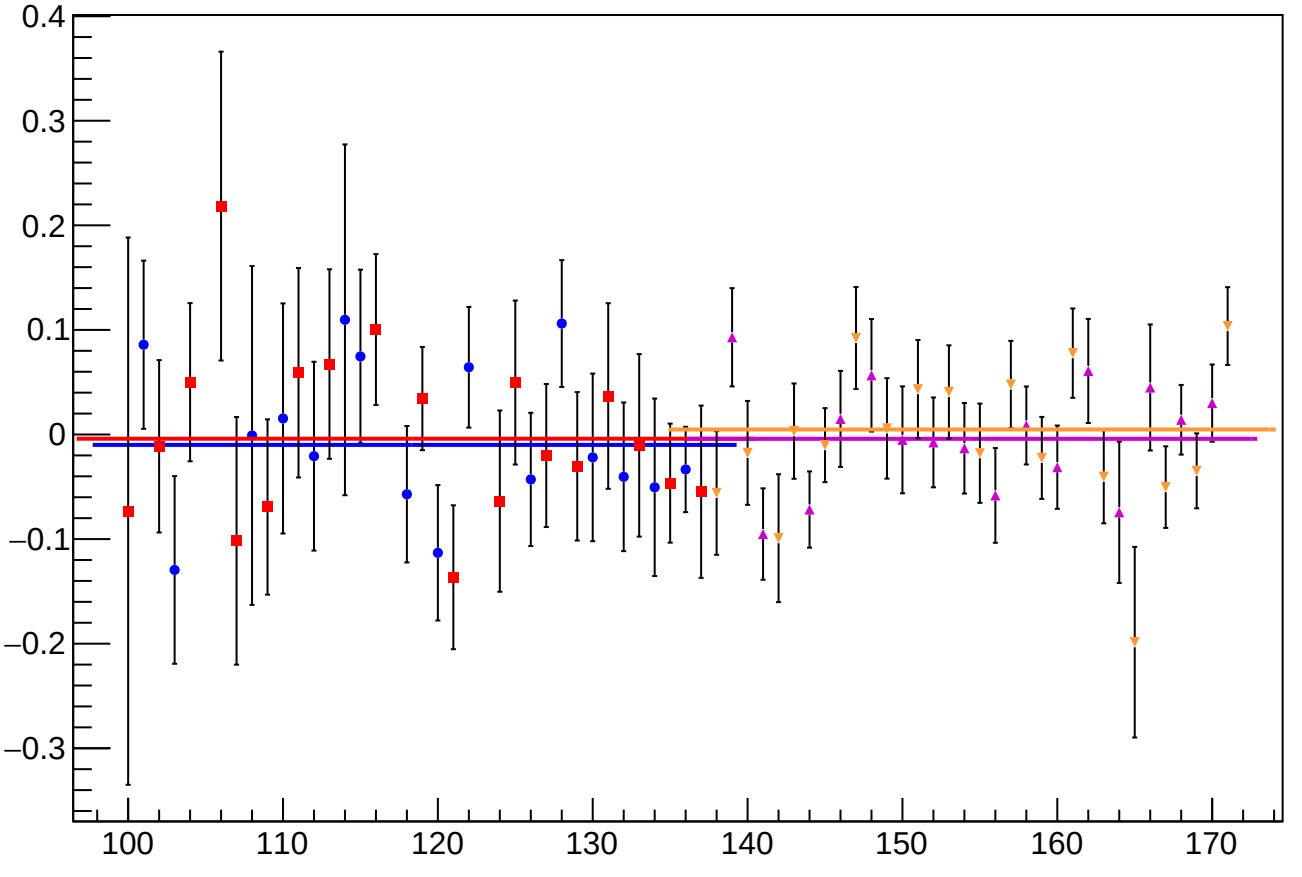
Left: 38.610+/-0.005 χ^2/NDF: 1137334.6/33

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.598+/-0.007 χ^2/NDF:1647163.5/31

Out: 40.878+/-0.006 χ^2/NDF:1660742.3/36

All: 40.742+/-0.005 χ^2/NDF: 3308832.4/68



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: -0.004+/-0.011 χ^2/NDF:20.2/15

Left: 0.001+/-0.008 χ^2/NDF: 50.4/33

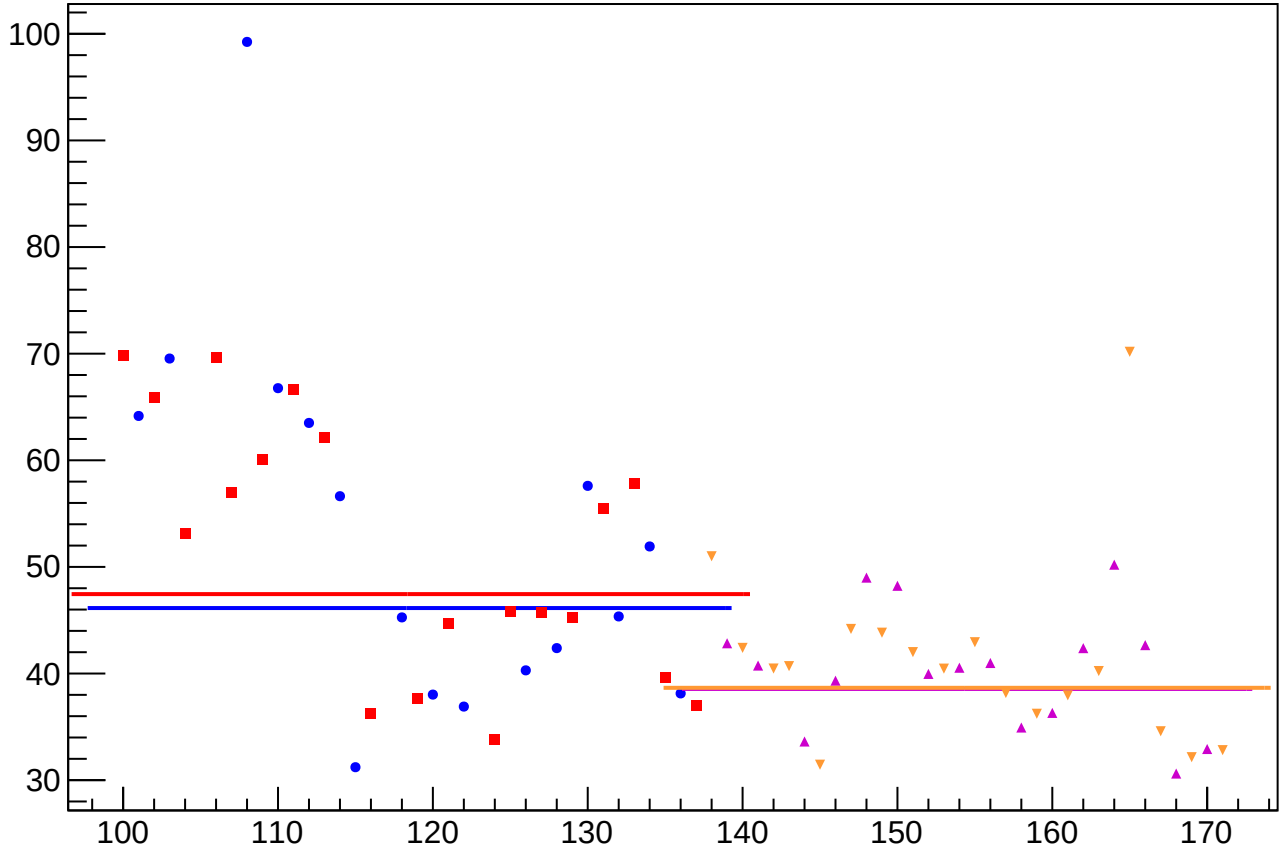
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: -0.001+/-0.007 χ^2/NDF: 78.8/68

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 38.660+/-0.007 χ^2/NDF:653176.8/17

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 38.554+/-0.008 χ^2/NDF:484060.0/15

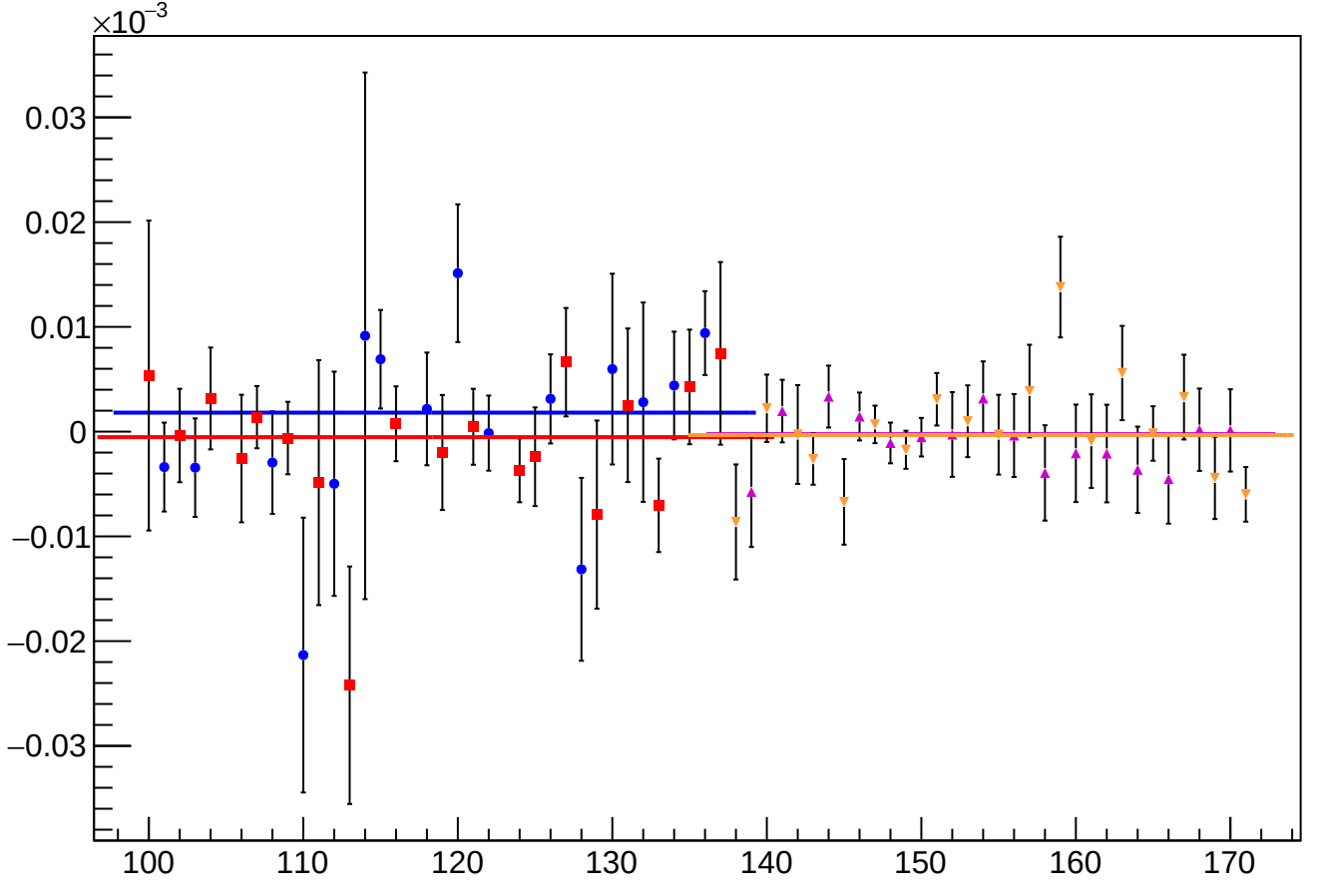
Left: 38.610+/-0.005 χ^2/NDF: 1137334.6/33

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 40.598+/-0.007 χ^2/NDF:1647163.5/31

Out: 40.878+/-0.006 χ^2/NDF:1660742.3/36

All: 40.742+/-0.005 χ^2/NDF: 3308832.4/68



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:7.5/15

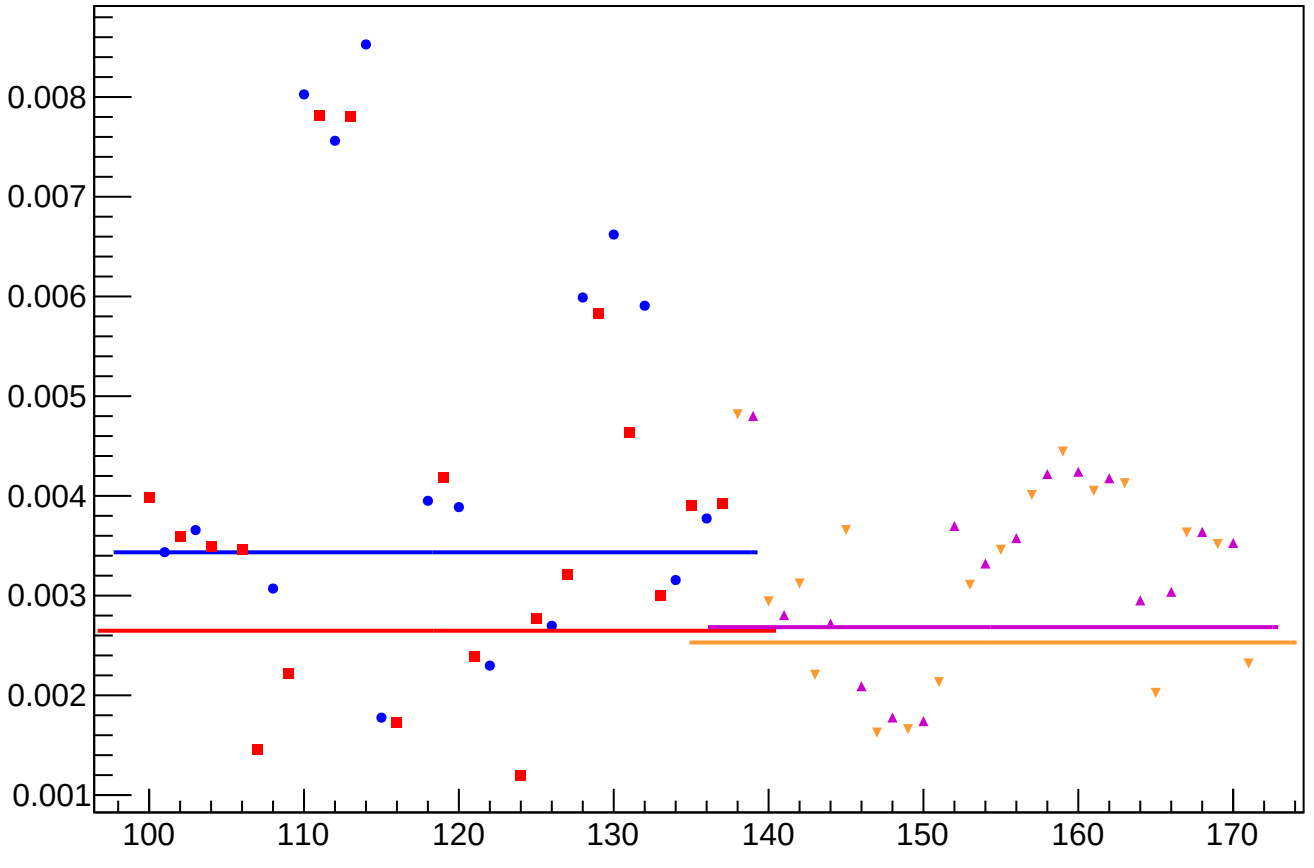
Left: -0.000+/-0.000 χ^2/NDF: 34.6/33

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.1/31

Out: -0.000+/-0.000 χ^2/NDF:40.9/36

All: -0.000+/-0.000 χ^2/NDF: 70.5/68



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:2603949.7/15

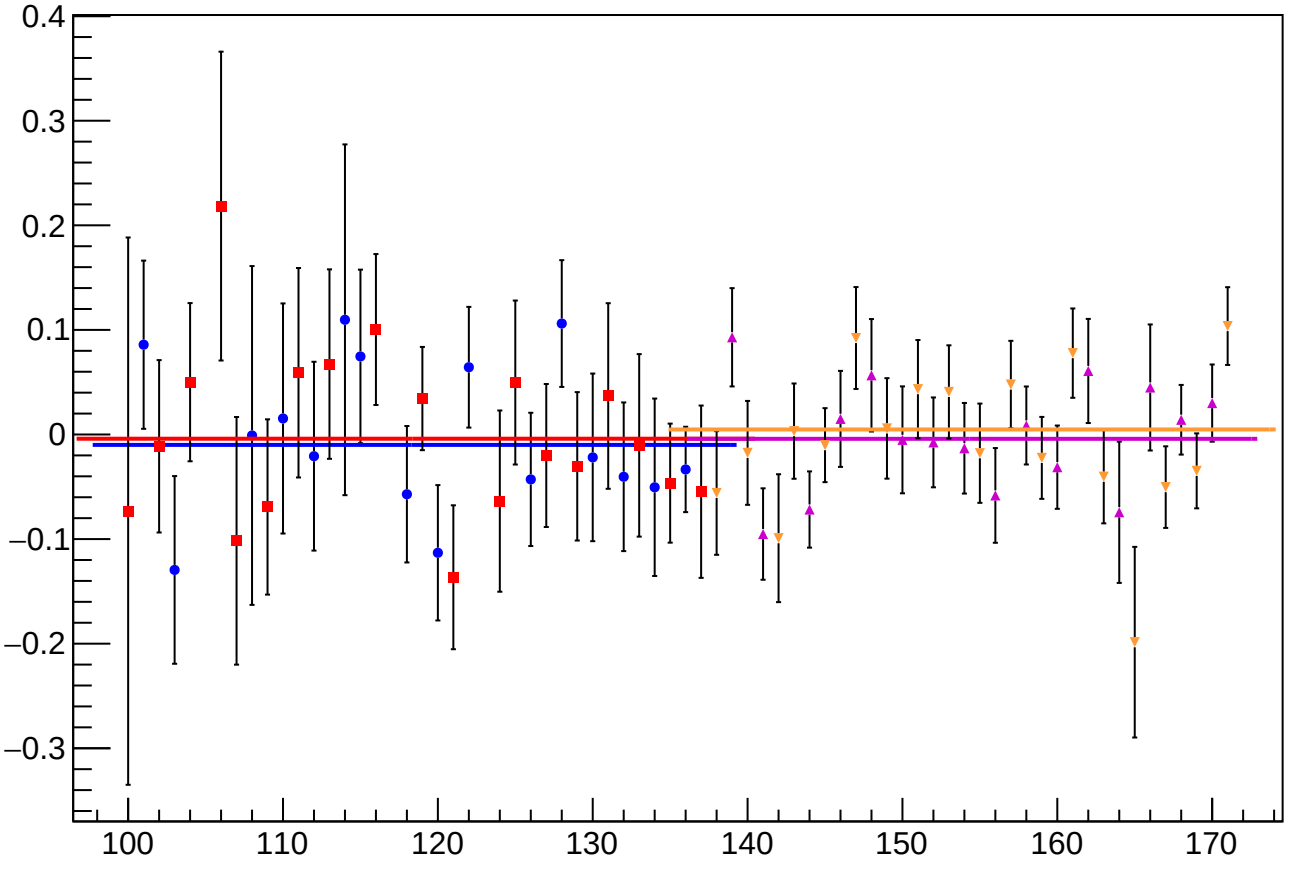
Left: 0.003+/-0.000 χ^2/NDF: 5826511.2/33

Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:4801764.8/31

Out: 0.003+/-0.000 χ^2/NDF:5894145.3/36

All: 0.003+/-0.000 χ^2/NDF: 10920866.4/68



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: -0.004+/-0.011 χ^2/NDF:20.2/15

Left: 0.001+/-0.008 χ^2/NDF: 50.4/33

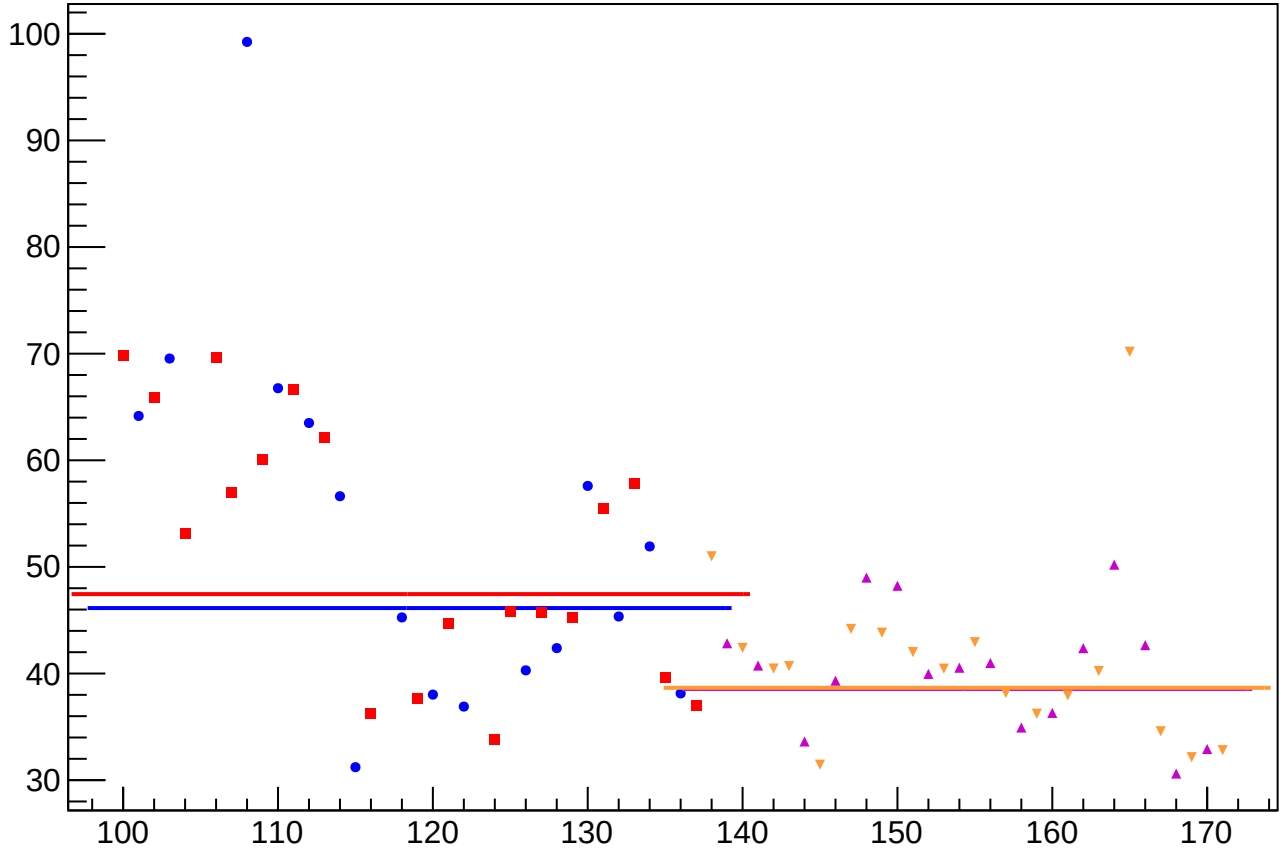
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: -0.001+/-0.007 χ^2/NDF: 78.8/68

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 38.554+/-0.008 χ^2/NDF:484128.8/15

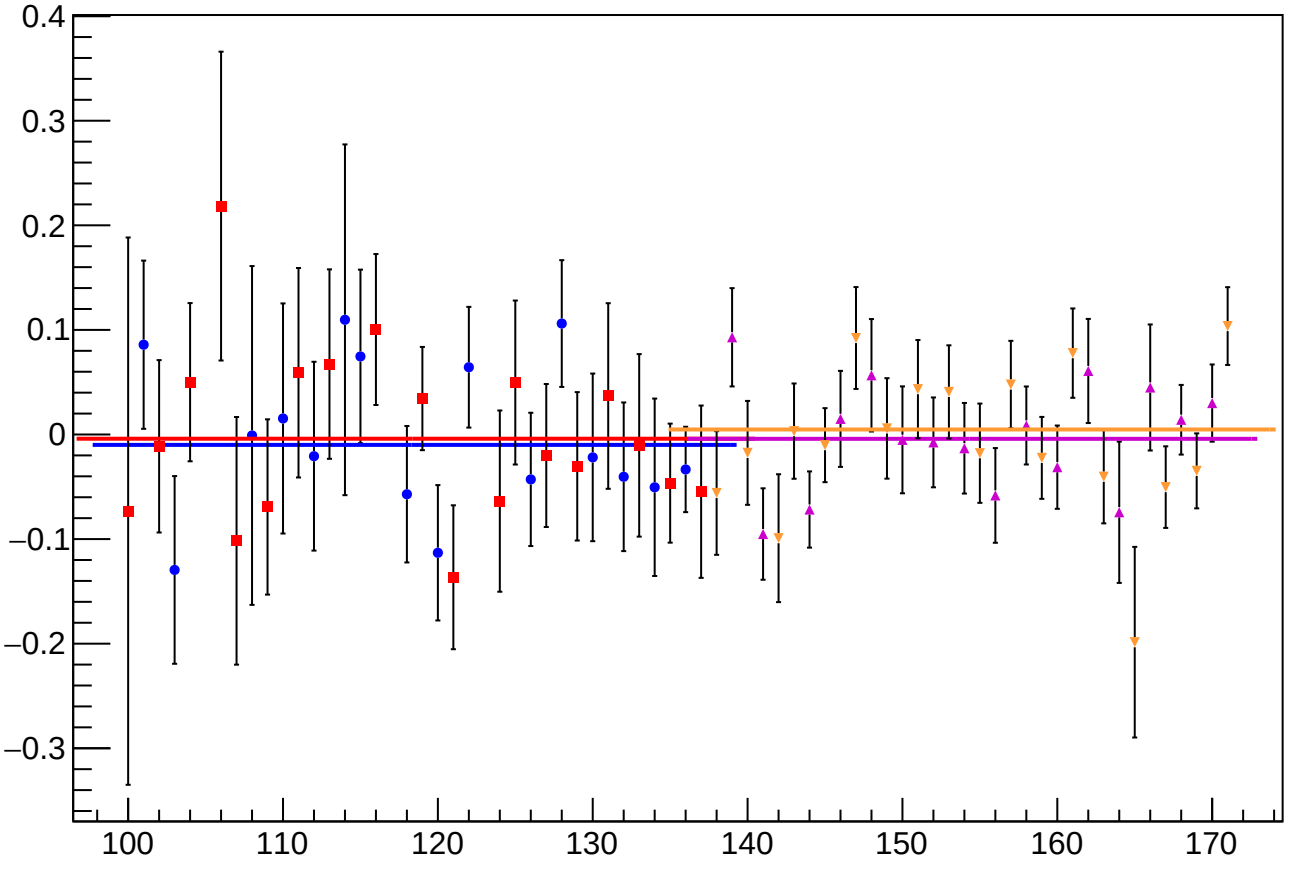
Left: 38.609+/-0.005 χ^2/NDF: 1137442.0/33

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.597+/-0.007 χ^2/NDF:1647129.1/31

Out: 40.878+/-0.006 χ^2/NDF:1660686.5/36

All: 40.742+/-0.005 χ^2/NDF: 3308744.6/68



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: -0.004+/-0.011 χ^2/NDF:20.2/15

Left: 0.001+/-0.008 χ^2/NDF: 50.4/33

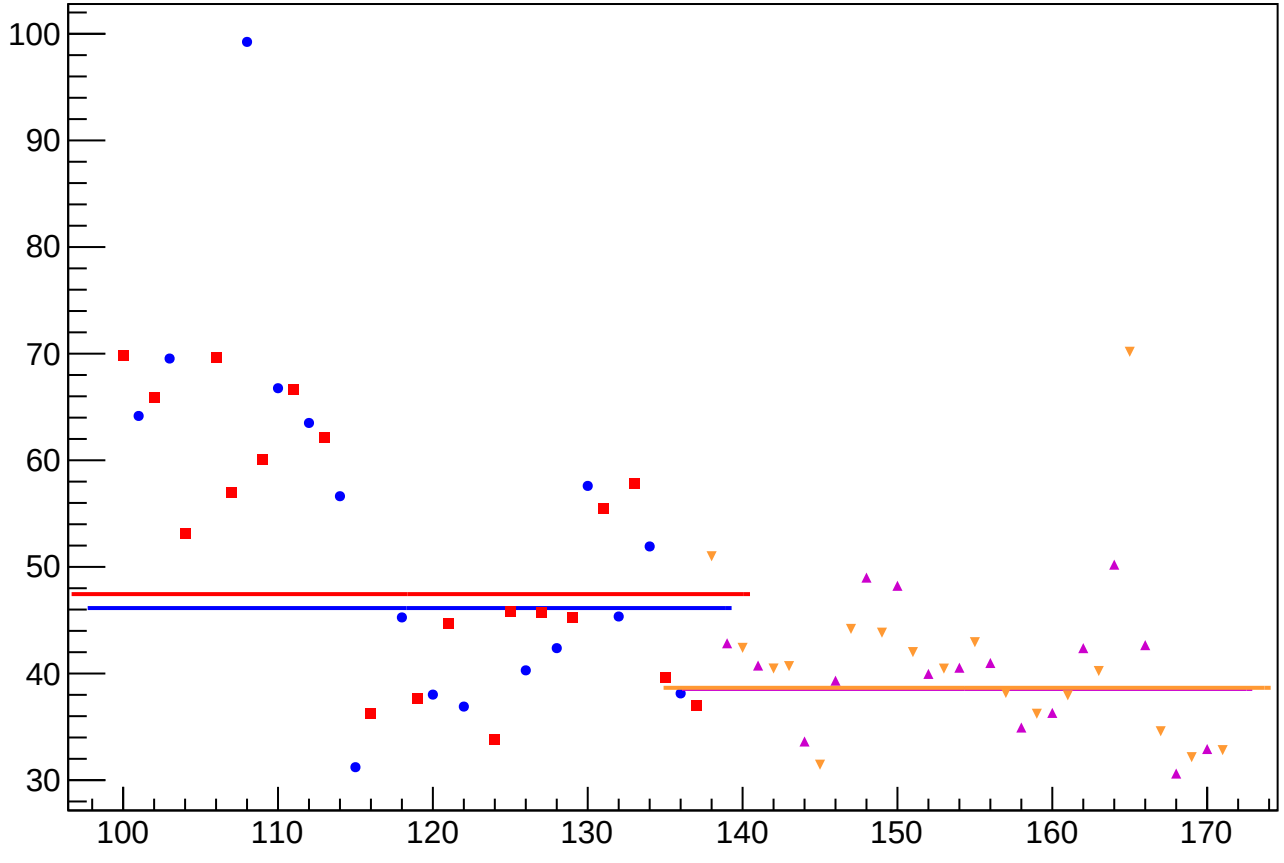
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: -0.006+/-0.009 χ^2/NDF:34.5/31

Out: 0.003+/-0.009 χ^2/NDF:43.9/36

All: -0.001+/-0.007 χ^2/NDF: 78.8/68

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 38.660+/-0.007 χ^2/NDF:653214.9/17

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 38.554+/-0.008 χ^2/NDF:484128.8/15

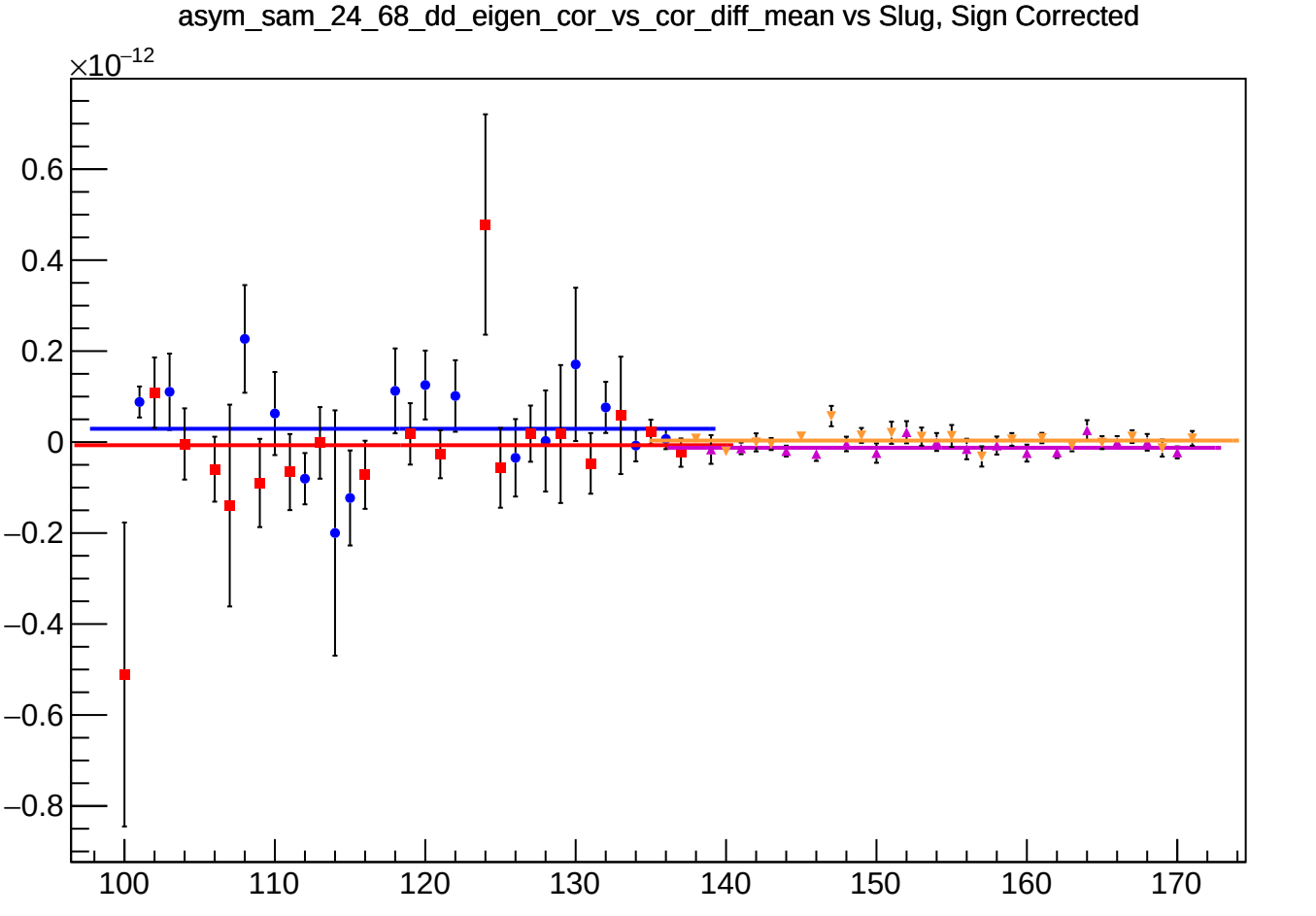
Left: 38.609+/-0.005 χ^2/NDF: 1137442.0/33

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 40.597+/-0.007 χ^2/NDF:1647129.1/31

Out: 40.878+/-0.006 χ^2/NDF:1660686.5/36

All: 40.742+/-0.005 χ^2/NDF: 3308744.6/68



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.2/15

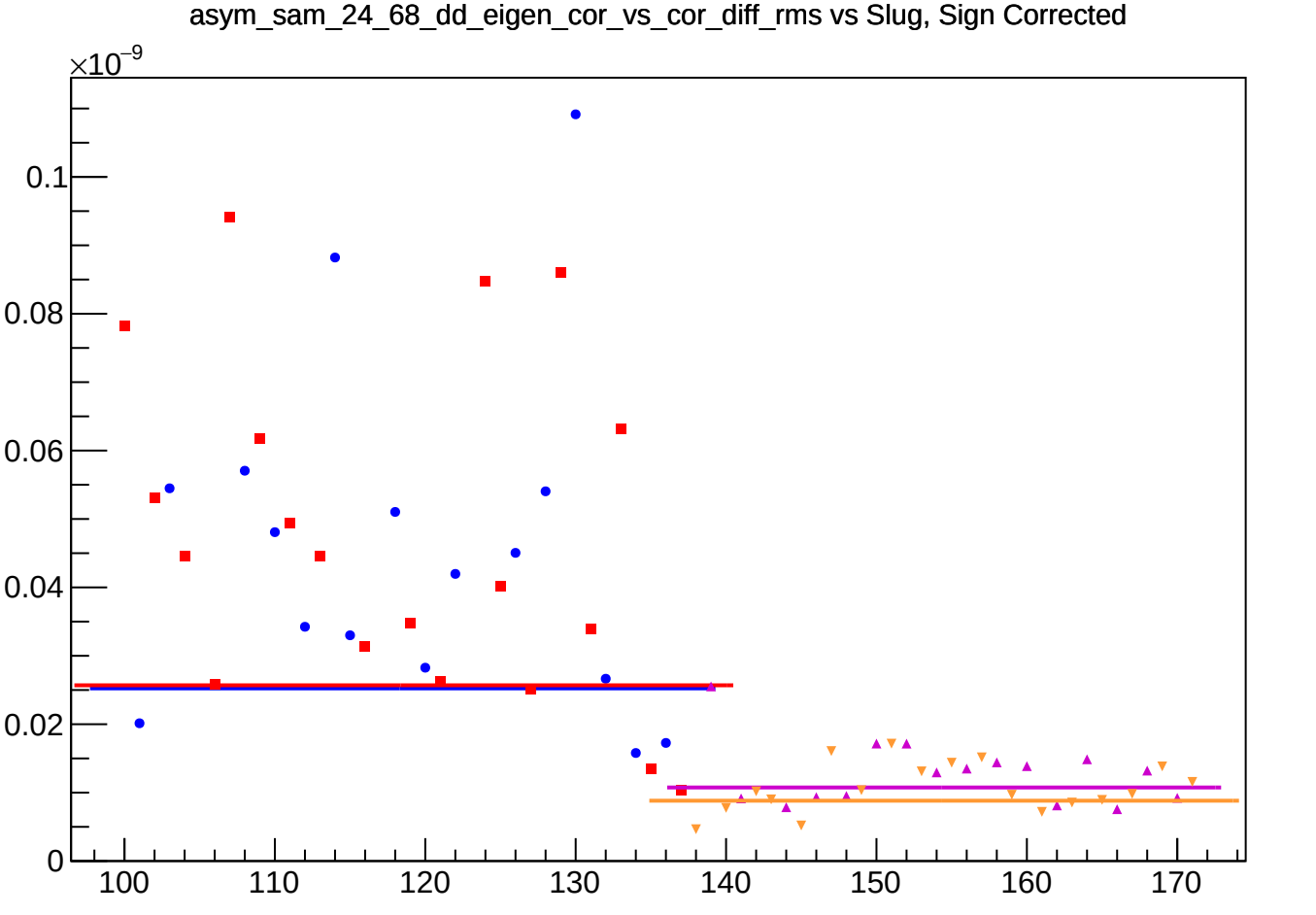
Left: -0.000+/-0.000 χ^2/NDF: 37.6/33

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:39.8/31

Out: 0.000+/-0.000 χ^2/NDF:33.3/36

All: -0.000+/-0.000 χ^2/NDF: 78.3/68



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:1449036.8/15

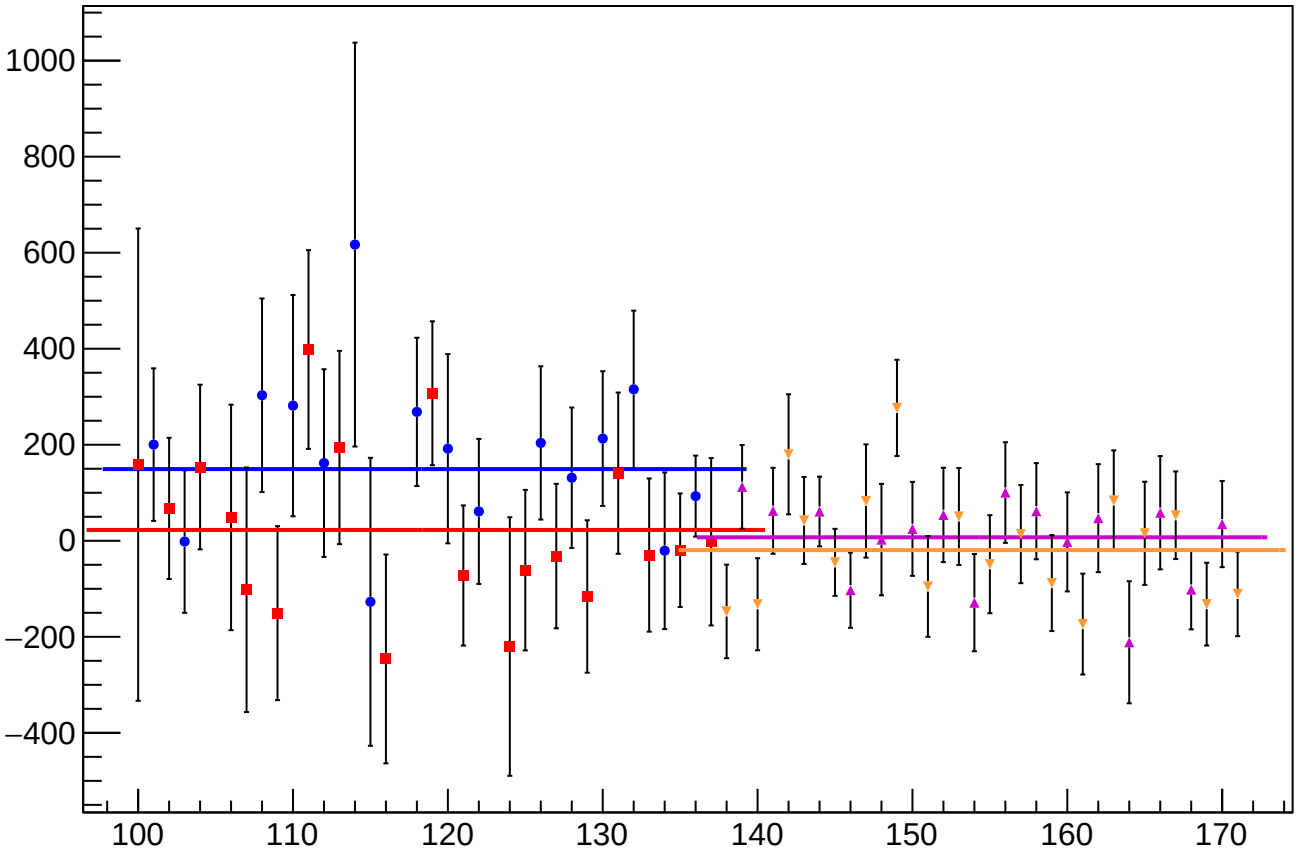
Left: 0.000+/-0.000 χ^2/NDF: 3477468.9/33

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:5669906.2/31

Out: 0.000+/-0.000 χ^2/NDF:7177143.6/36

All: 0.000+/-0.000 χ^2/NDF: 13243393.1/68



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -19.398+/-22.880 χ^2/NDF:24.0/17

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: 7.244+/-23.867 χ^2/NDF:12.6/15

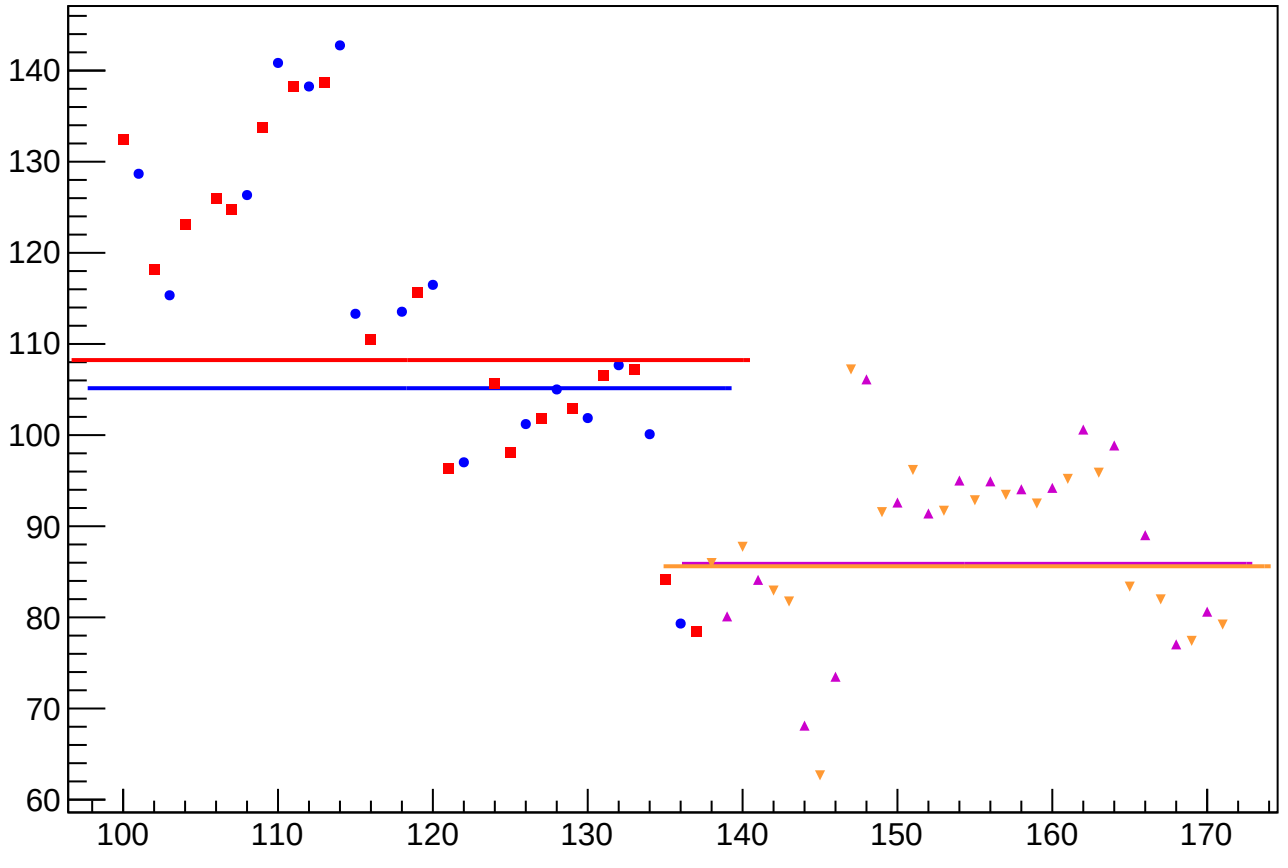
Left: -6.639+/-16.517 χ^2/NDF: 37.3/33

Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 44.975+/-20.453 χ^2/NDF:30.0/31

Out: -9.096+/-19.873 χ^2/NDF:39.1/36

All: 17.161+/-14.253 χ^2/NDF: 72.7/68



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: 85.873+/-0.017 χ^2/NDF:399320.6/15

Left: 85.735+/-0.012 χ^2/NDF: 822831.3/33

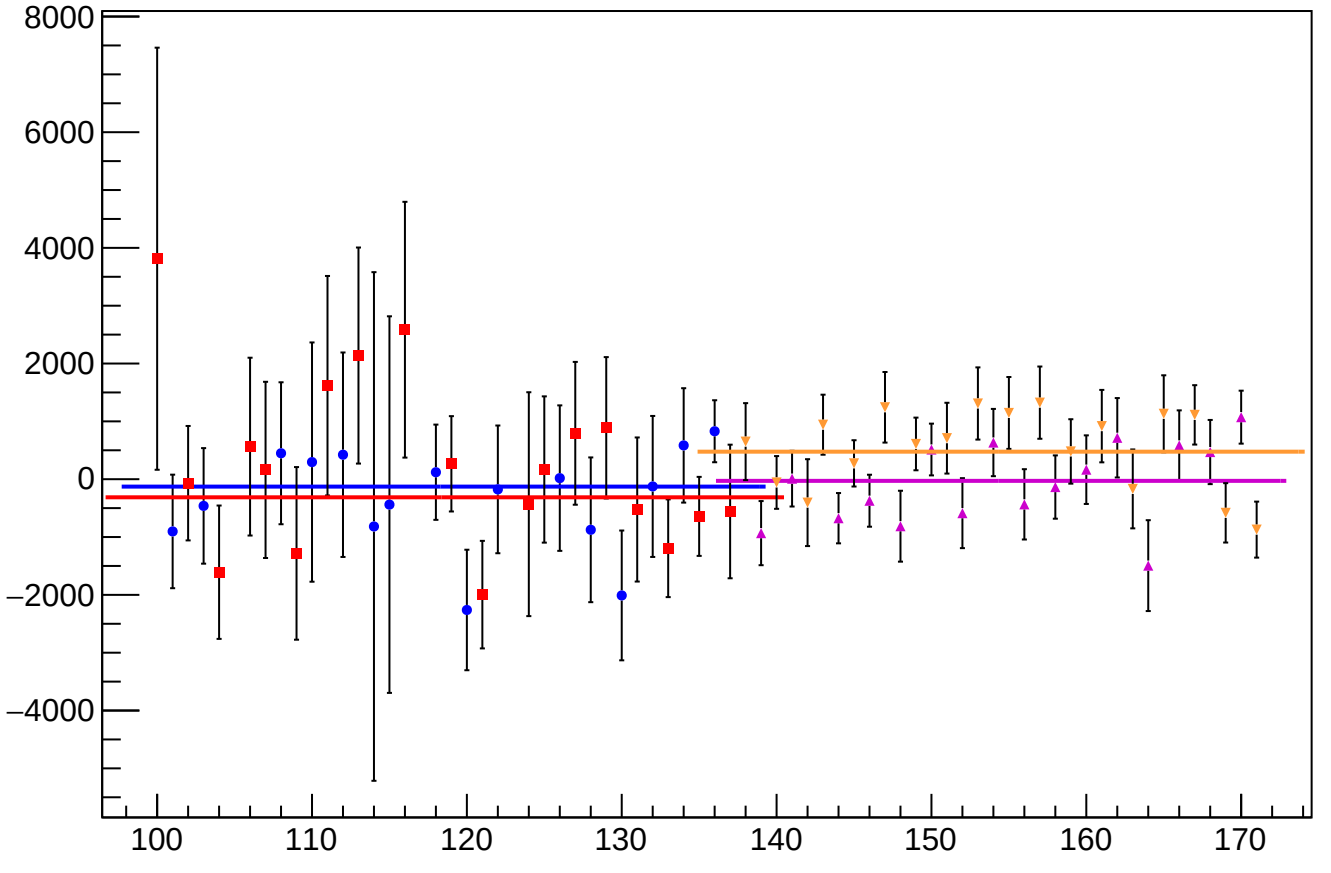
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 90.992+/-0.014 χ^2/NDF:1154121.9/31

Out: 91.164+/-0.014 χ^2/NDF:1253616.1/36

All: 91.081+/-0.010 χ^2/NDF: 2407811.1/68

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: -28.705+/-135.445 χ^2/NDF:23.6/15

Left: 233.021+/-93.973 χ^2/NDF: 57.1/33

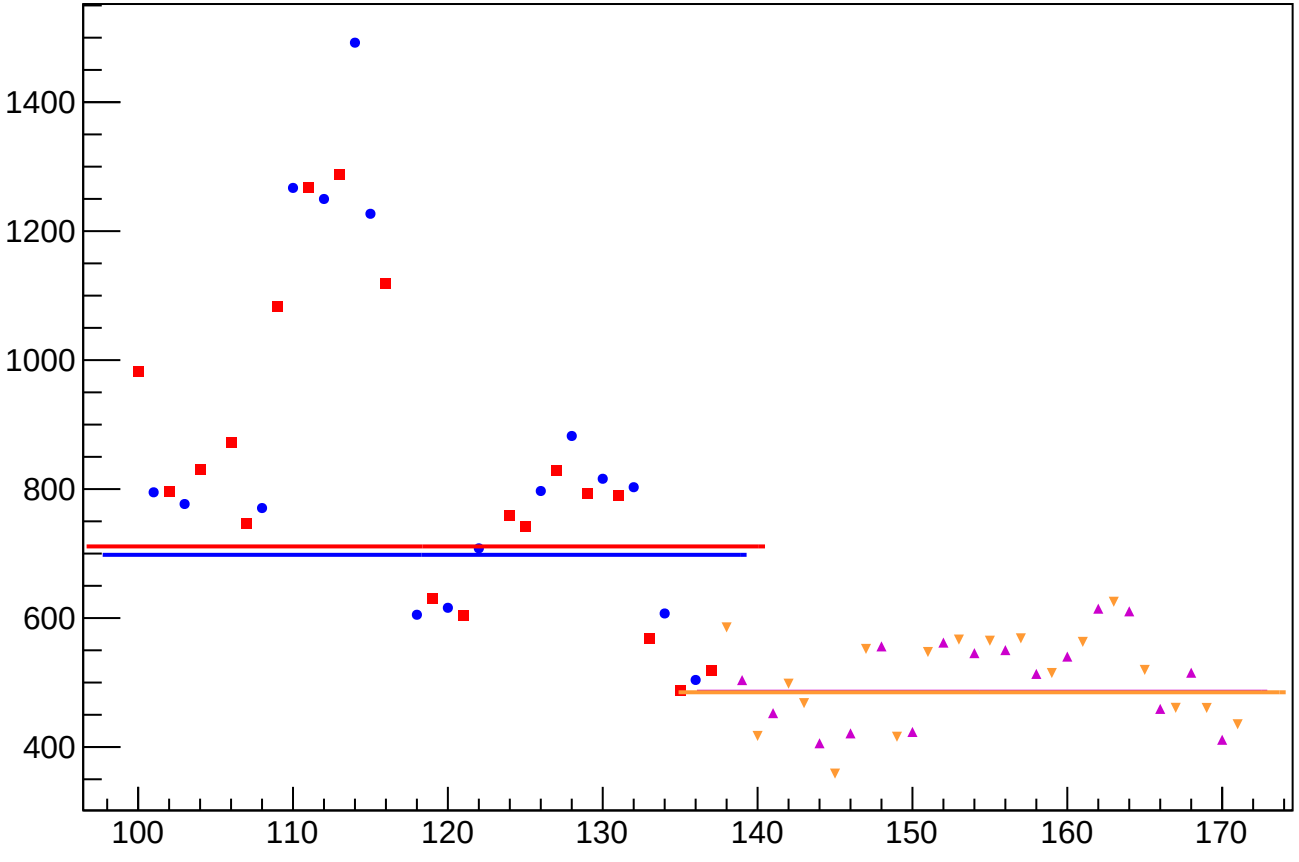
Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -48.845+/-120.940 χ^2/NDF:36.0/31

Out: 326.674+/-117.499 χ^2/NDF:48.3/36

All: 144.331+/-84.275 χ^2/NDF: 89.2/68

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.1/17

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 485.764+/-0.096 χ^2/NDF:466210.1/15

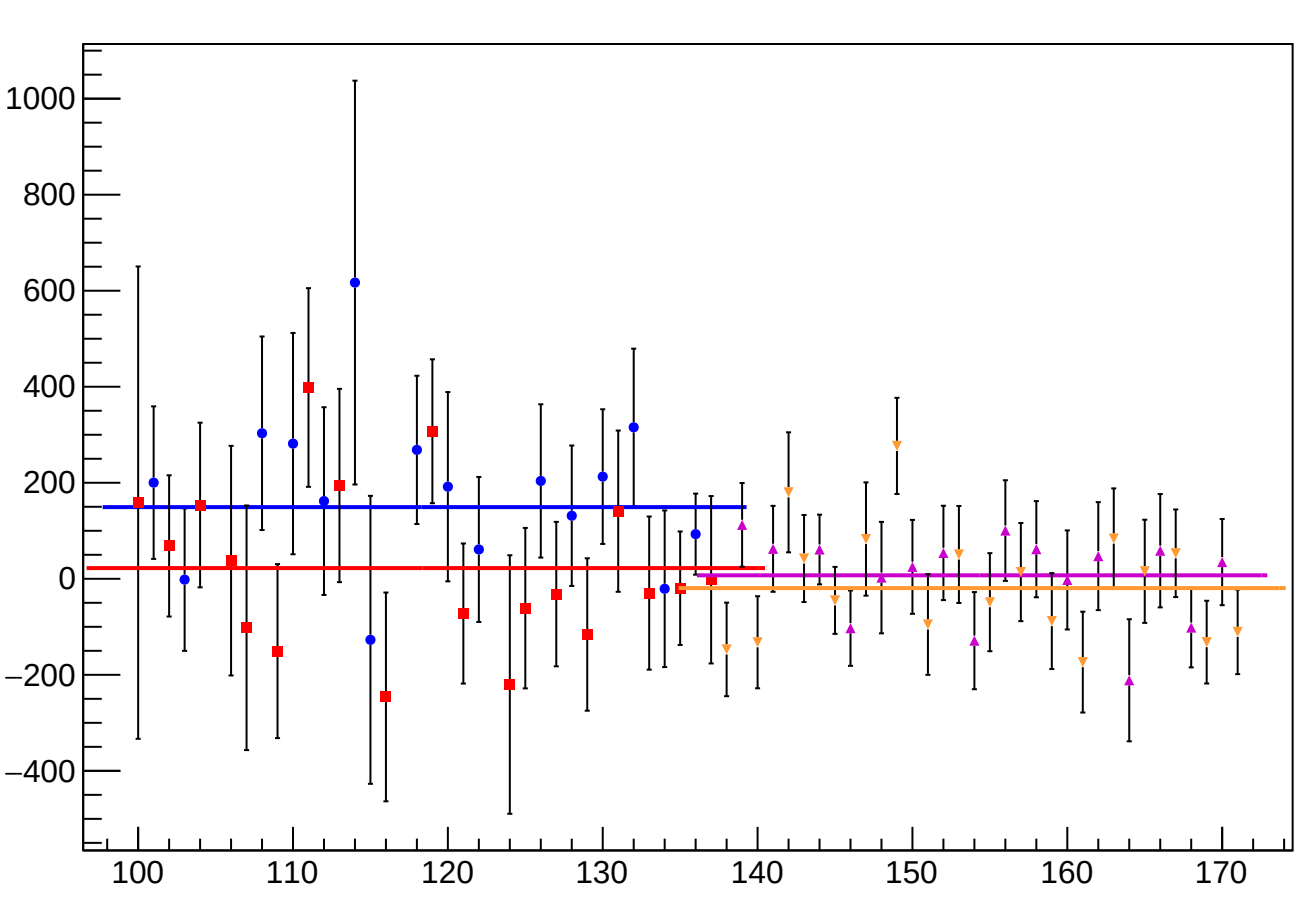
Left: 485.319+/-0.066 χ^2/NDF: 1108512.9/33

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 528.799+/-0.086 χ^2/NDF:2375049.2/31

Out: 527.700+/-0.083 χ^2/NDF:2814246.0/36

All: 528.234+/-0.060 χ^2/NDF: 5189380.2/68



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -19.399+/-22.880 χ^2/NDF:24.1/17

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 7.245+/-23.867 χ^2/NDF:12.6/15

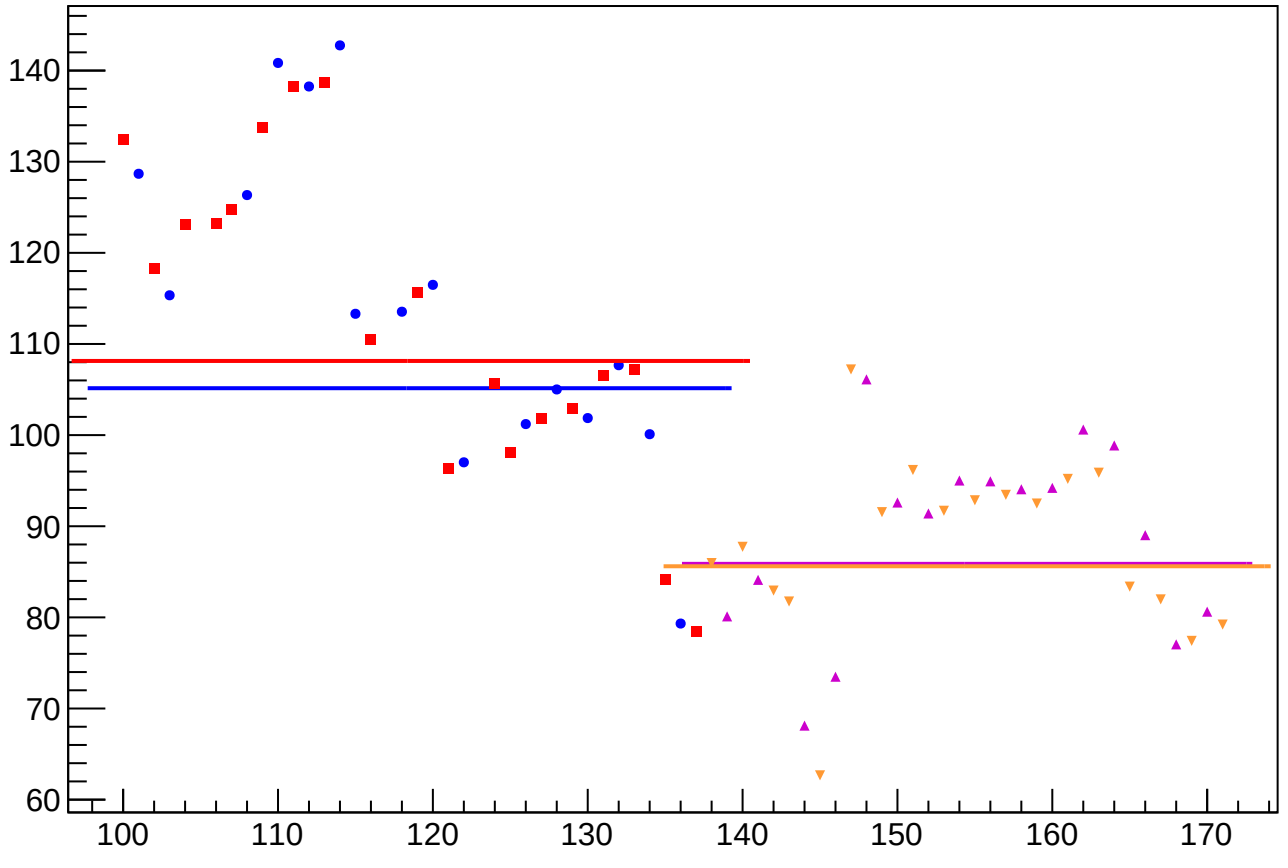
Left: -6.639+/-16.517 χ^2/NDF: 37.3/33

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 44.974+/-20.453 χ^2/NDF:30.0/31

Out: -9.167+/-19.875 χ^2/NDF:39.1/36

All: 17.128+/-14.254 χ^2/NDF: 72.7/68



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: 85.873+/-0.017 χ^2/NDF:399320.7/15

Left: 85.735+/-0.012 χ^2/NDF: 822831.4/33

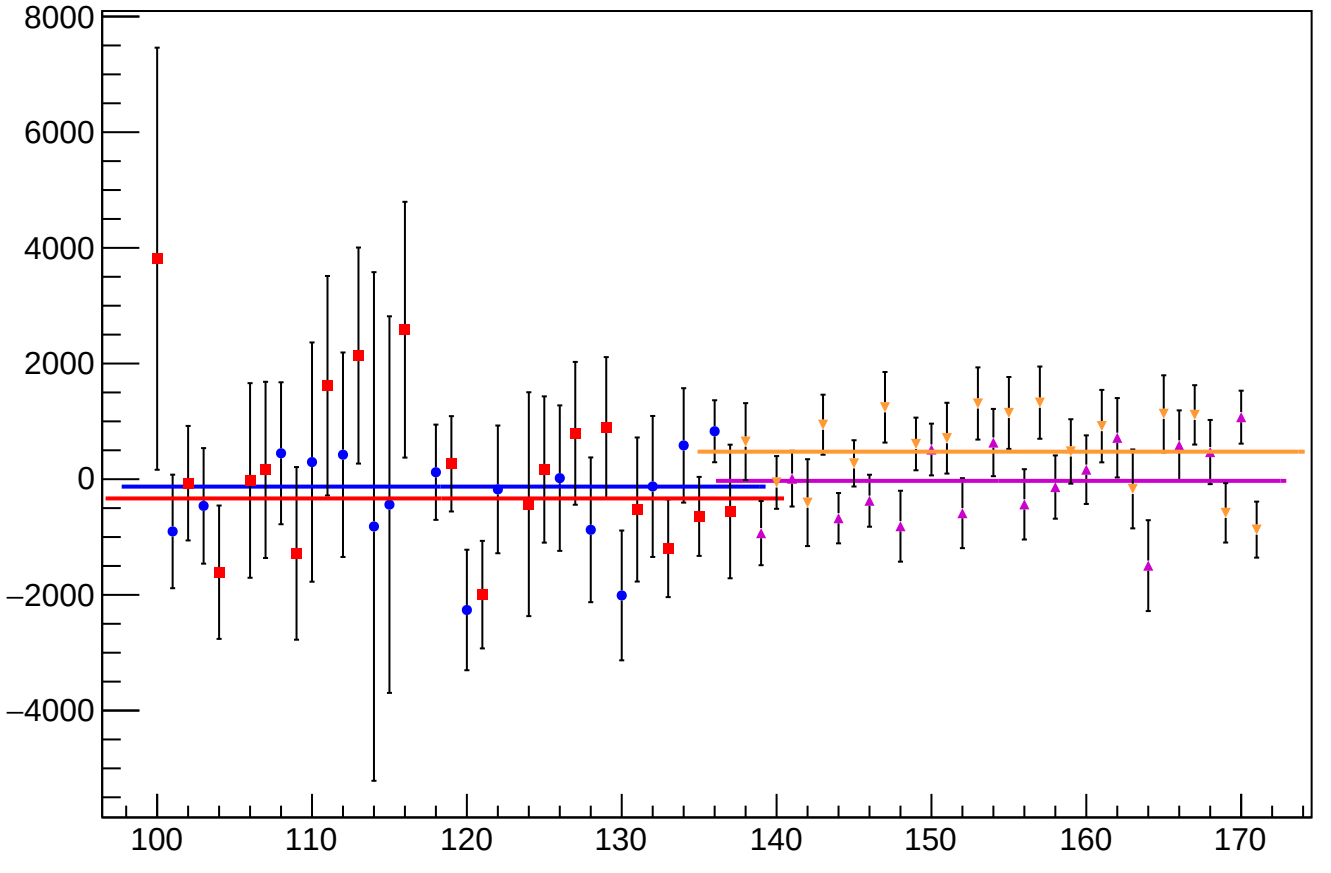
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.992+/-0.014 χ^2/NDF:1154122.3/31

Out: 91.136+/-0.014 χ^2/NDF:1245522.7/36

All: 91.066+/-0.010 χ^2/NDF: 2399696.0/68

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: -28.706+/-135.445 χ^2/NDF:23.6/15

Left: 233.021+/-93.973 χ^2/NDF: 57.1/33

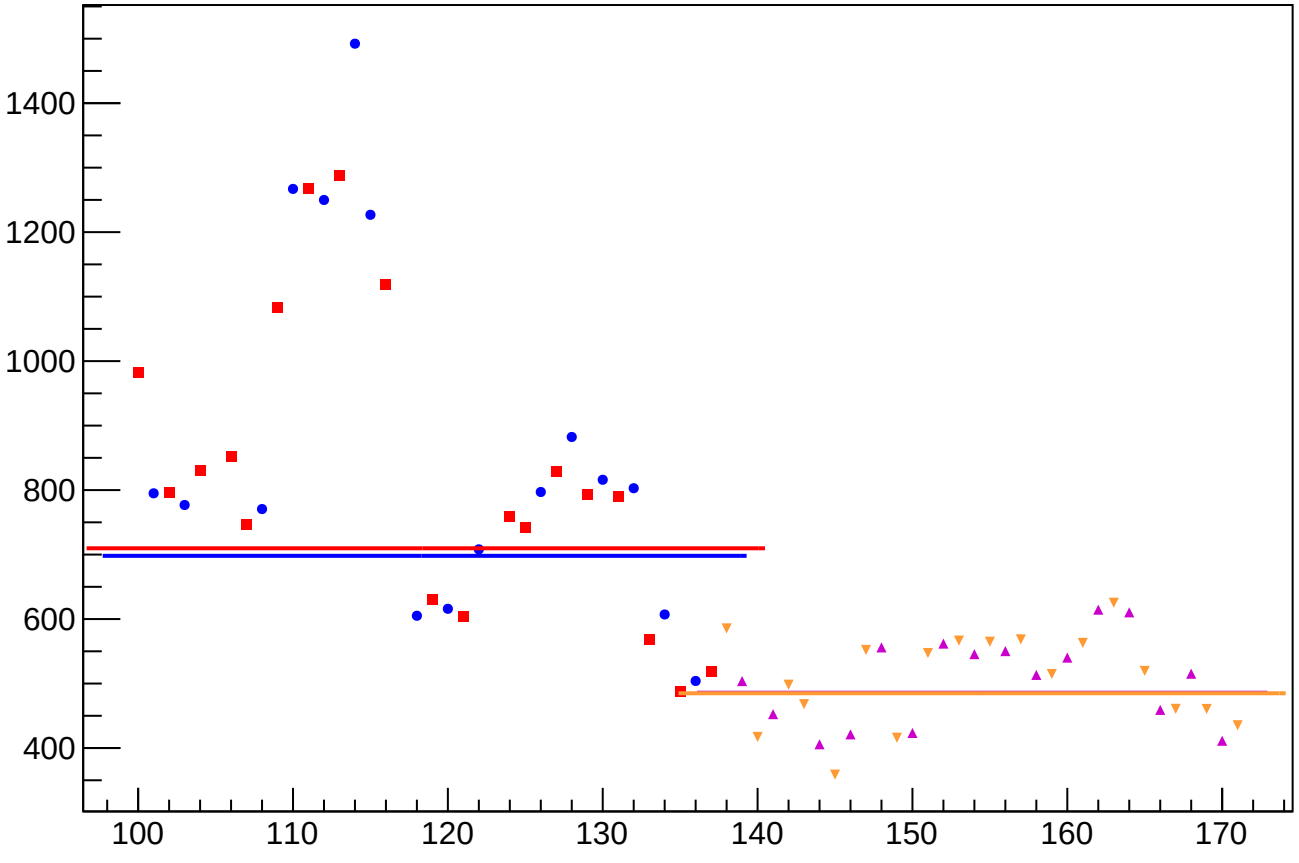
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -48.844+/-120.940 χ^2/NDF:36.0/31

Out: 323.605+/-117.557 χ^2/NDF:48.3/36

All: 142.662+/-84.296 χ^2/NDF: 89.1/68

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.2/17

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 485.765+/-0.096 χ^2/NDF:466211.6/15

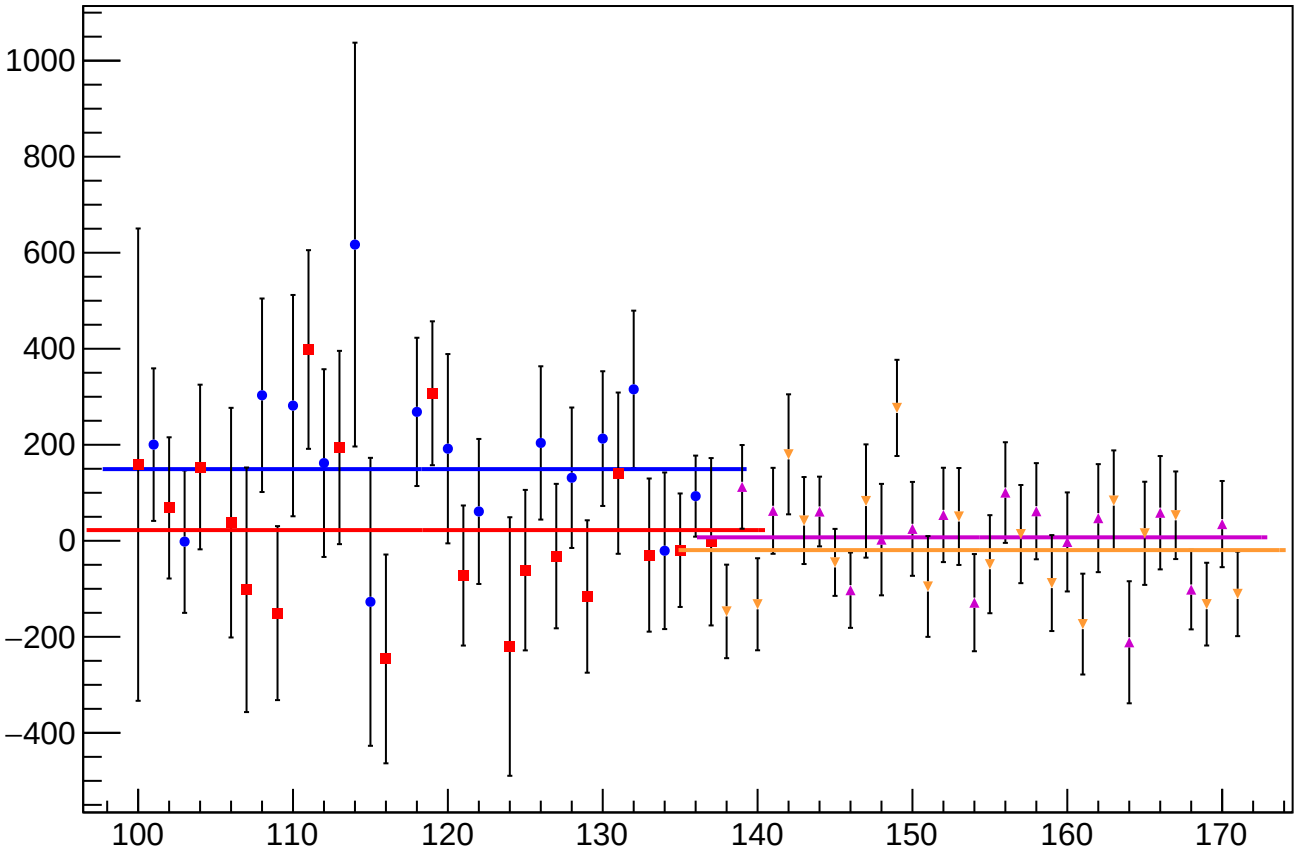
Left: 485.319+/-0.066 χ^2/NDF: 1108514.5/33

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 528.799+/-0.086 χ^2/NDF:2375062.6/31

Out: 527.267+/-0.083 χ^2/NDF:2788079.8/36

All: 528.012+/-0.060 χ^2/NDF: 5163307.4/68



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -19.399+/-22.880 χ^2/NDF:24.1/17

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: 7.245+/-23.867 χ^2/NDF:12.6/15

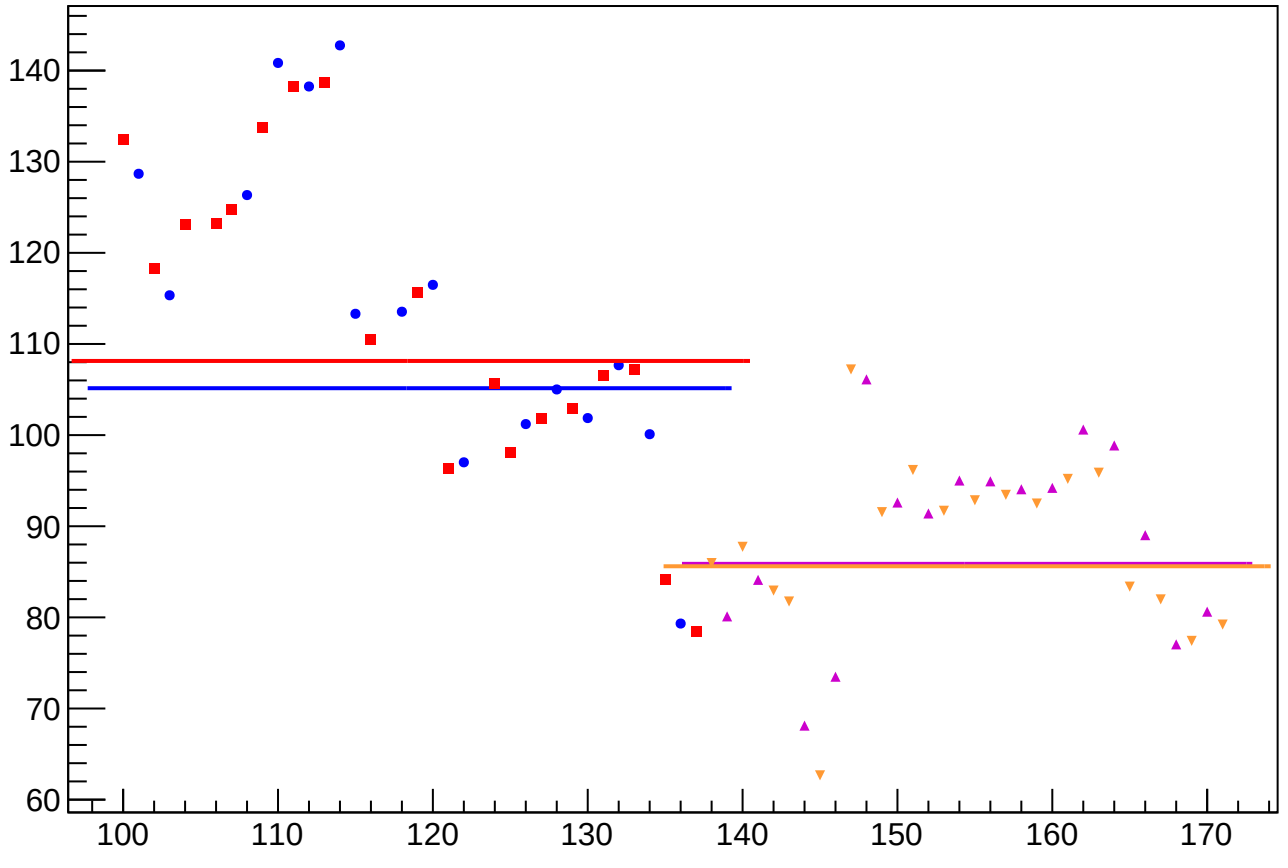
Left: -6.639+/-16.517 χ^2/NDF: 37.3/33

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 44.974+/-20.453 χ^2/NDF:30.0/31

Out: -9.167+/-19.875 χ^2/NDF:39.1/36

All: 17.128+/-14.254 χ^2/NDF: 72.7/68



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: 85.873+/-0.017 χ^2/NDF:399320.7/15

Left: 85.735+/-0.012 χ^2/NDF: 822831.4/33

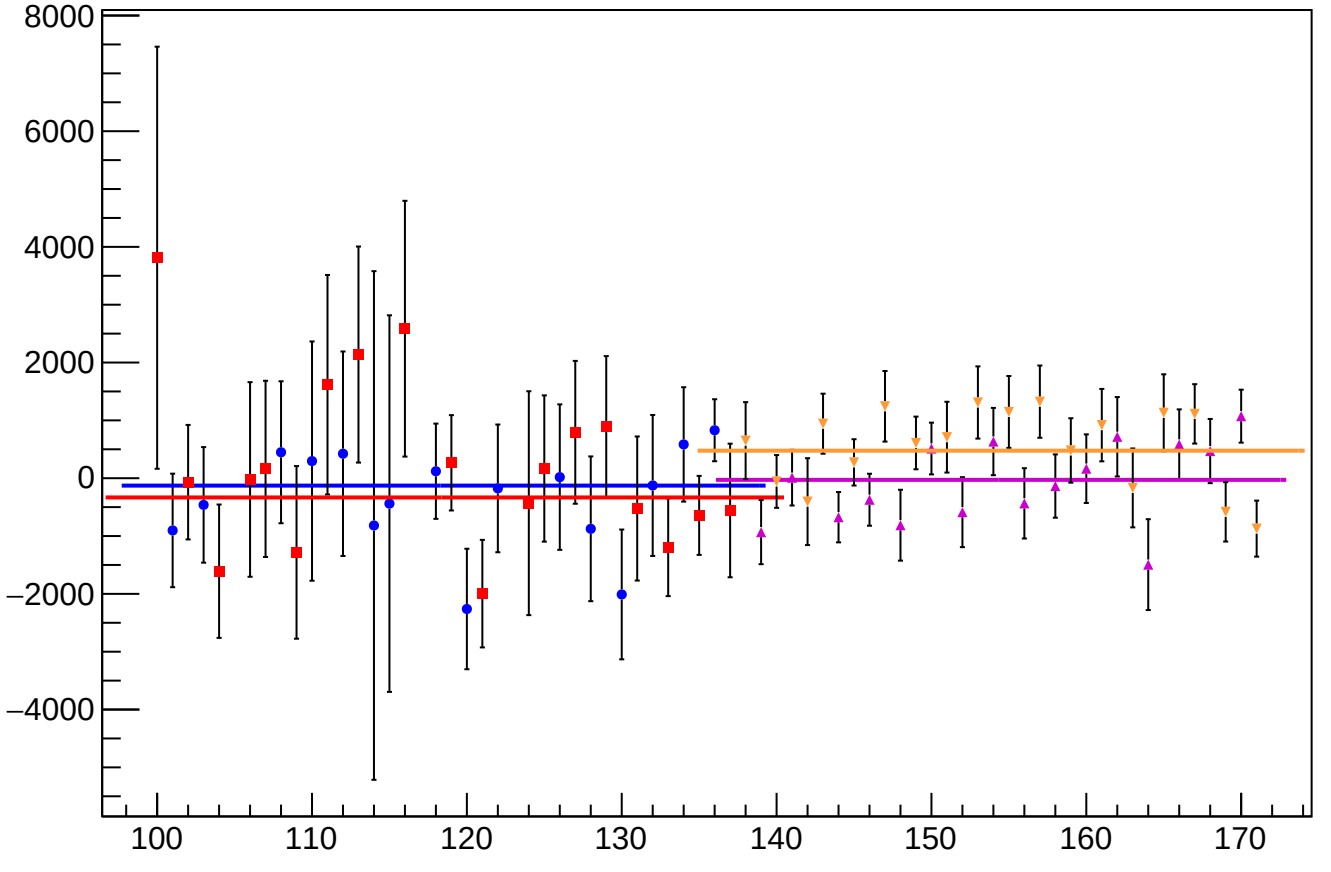
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 90.992+/-0.014 χ^2/NDF:1154122.3/31

Out: 91.136+/-0.014 χ^2/NDF:1245522.7/36

All: 91.066+/-0.010 χ^2/NDF: 2399696.0/68

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: -28.706+/-135.445 χ^2/NDF:23.6/15

Left: 233.021+/-93.973 χ^2/NDF: 57.1/33

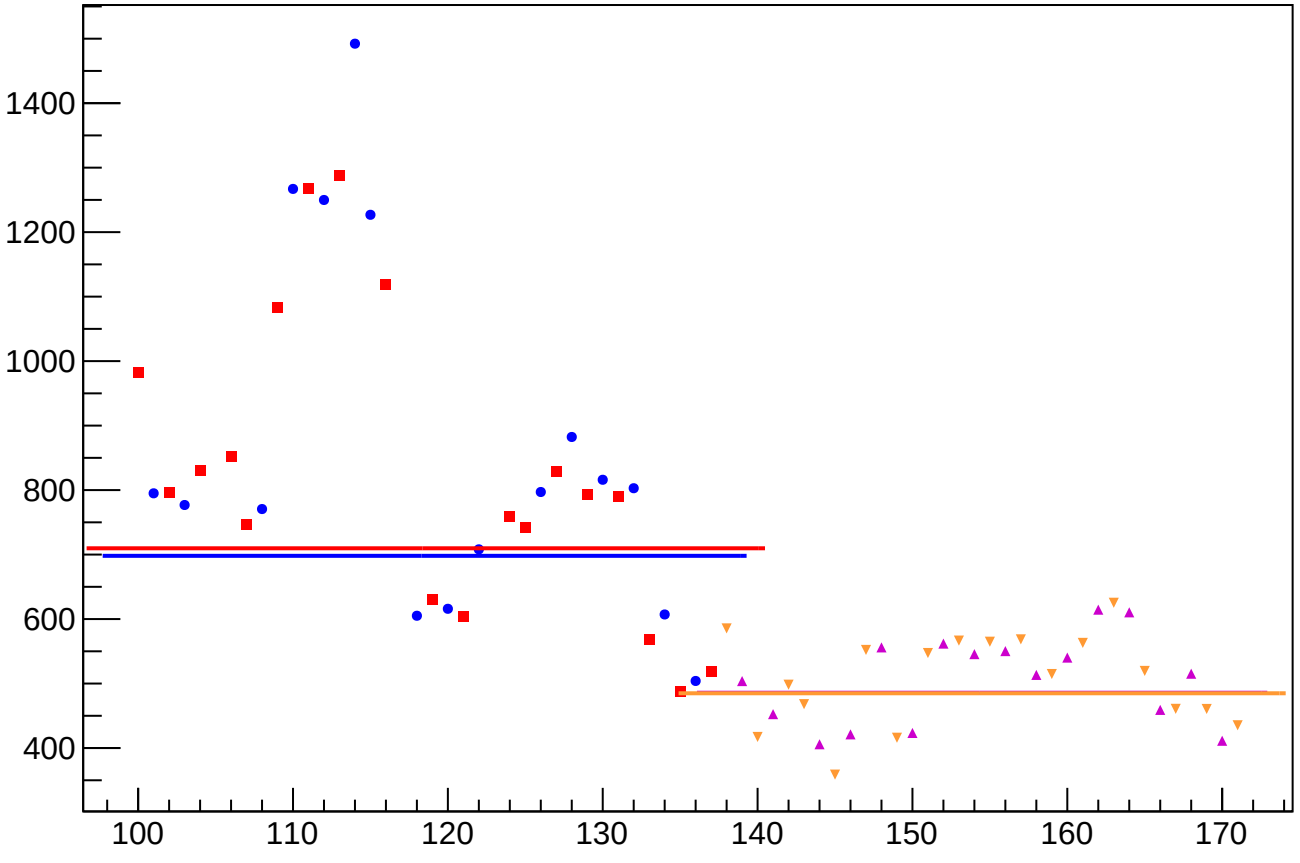
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -48.844+/-120.940 χ^2/NDF:36.0/31

Out: 323.605+/-117.557 χ^2/NDF:48.3/36

All: 142.662+/-84.296 χ^2/NDF: 89.1/68

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 484.906+/-0.092 χ^2/NDF:642261.2/17

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 485.765+/-0.096 χ^2/NDF:466211.6/15

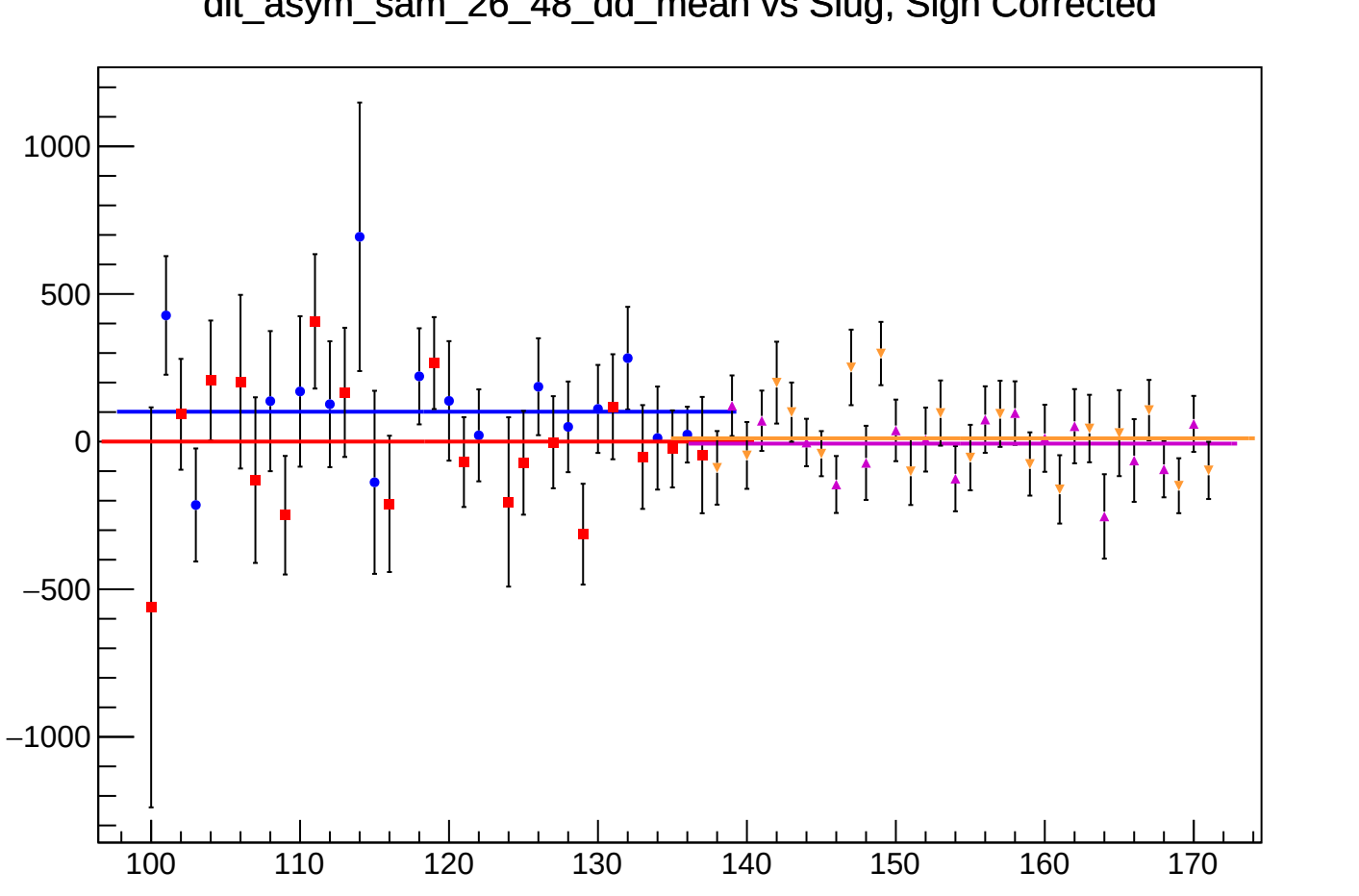
Left: 485.319+/-0.066 χ^2/NDF: 1108514.5/33

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

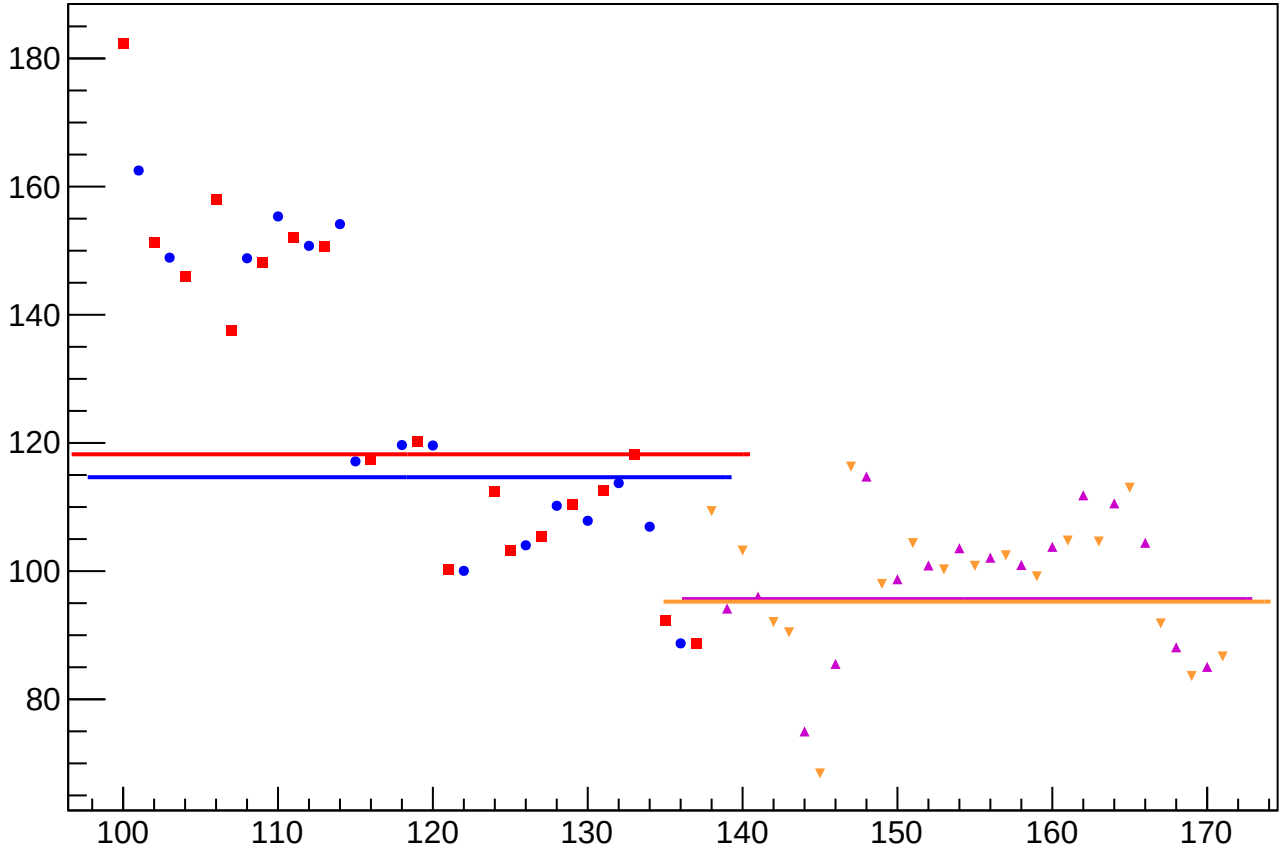
In: 528.799+/-0.086 χ^2/NDF:2375062.6/31

Out: 527.267+/-0.083 χ^2/NDF:2788079.8/36

All: 528.012+/-0.060 χ^2/NDF: 5163307.4/68


dit_asym_sam_26_48_dd_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: 101.281+/-43.510 χ²/NDF: 11.0/15
Left Out: 11.207+/-25.513 χ²/NDF:25.2/17
Right Out: 0.125+/-44.035 χ²/NDF: 16.6/18
Left In: -6.781+/-26.690 χ²/NDF:12.0/15
Left: 2.619+/-18.443 χ²/NDF: 37.5/33
Right: 51.310+/-30.950 χ²/NDF: 30.3/34
In: 22.765+/-22.751 χ²/NDF:27.5/31
Out: 8.422+/-22.075 χ²/NDF:41.9/36
All: 15.377+/-15.843 χ²/NDF: 69.6/68

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: 95.638+/-0.019 χ^2/NDF:340008.7/15

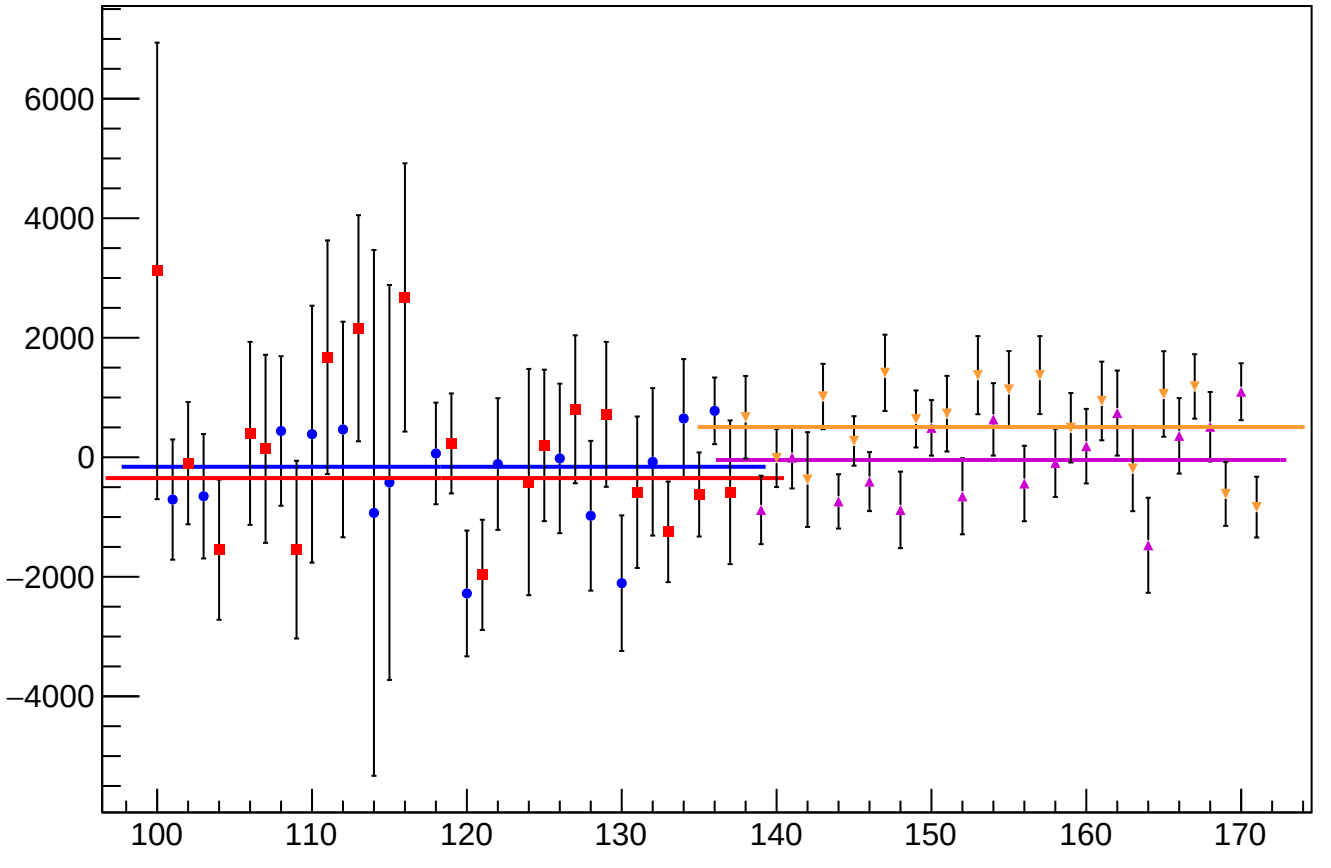
Left: 95.429+/-0.013 χ^2/NDF: 822082.1/33

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 100.838+/-0.016 χ^2/NDF:1149567.6/31

Out: 101.017+/-0.016 χ^2/NDF:1373467.1/36

All: 100.930+/-0.011 χ^2/NDF: 2523098.5/68



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: -45.015+/-142.015 χ^2/NDF:22.3/15

Left: 241.034+/-98.468 χ^2/NDF: 55.3/33

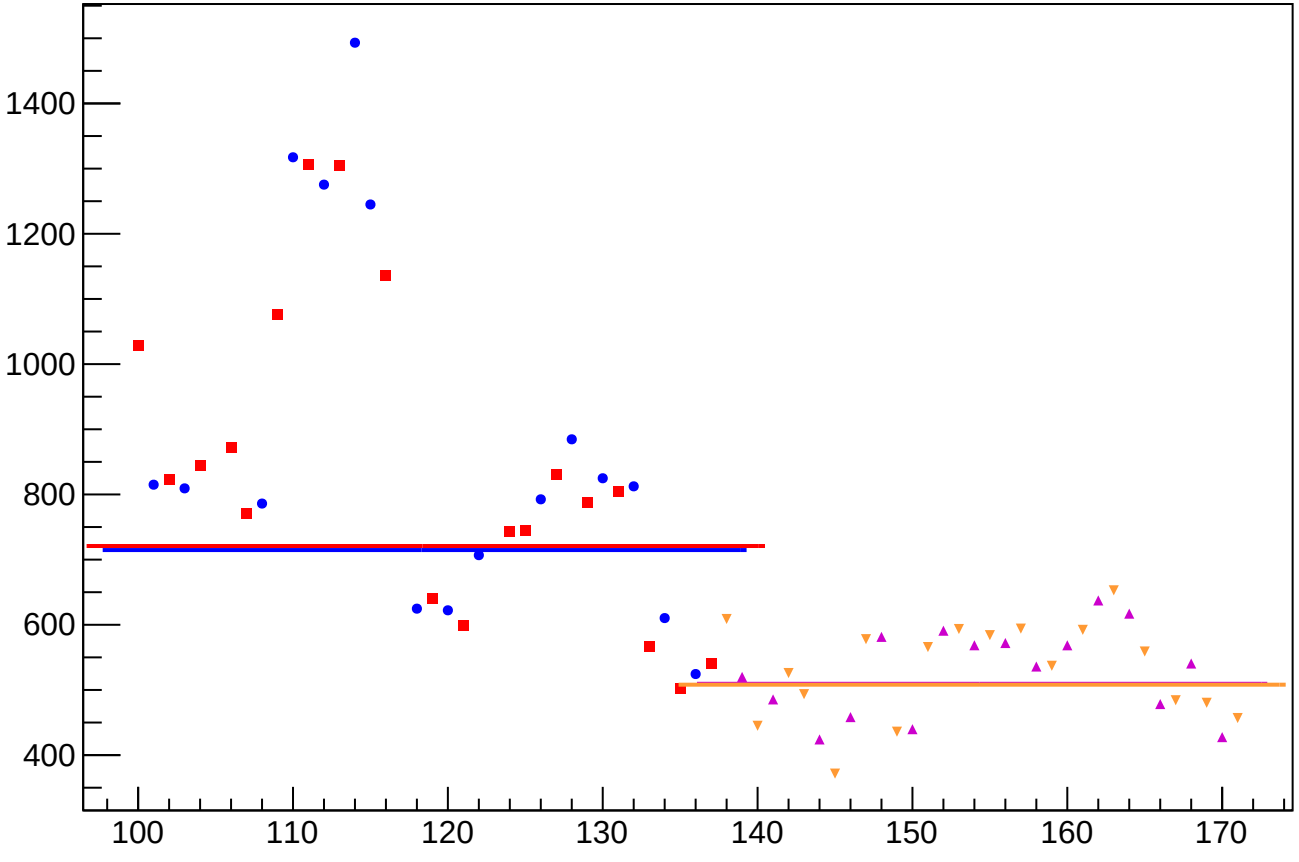
Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -69.098+/-126.140 χ^2/NDF:34.4/31

Out: 335.290+/-122.250 χ^2/NDF:47.3/36

All: 139.428+/-87.787 χ^2/NDF: 87.0/68

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: 509.463+/-0.100 χ^2/NDF:431922.8/15

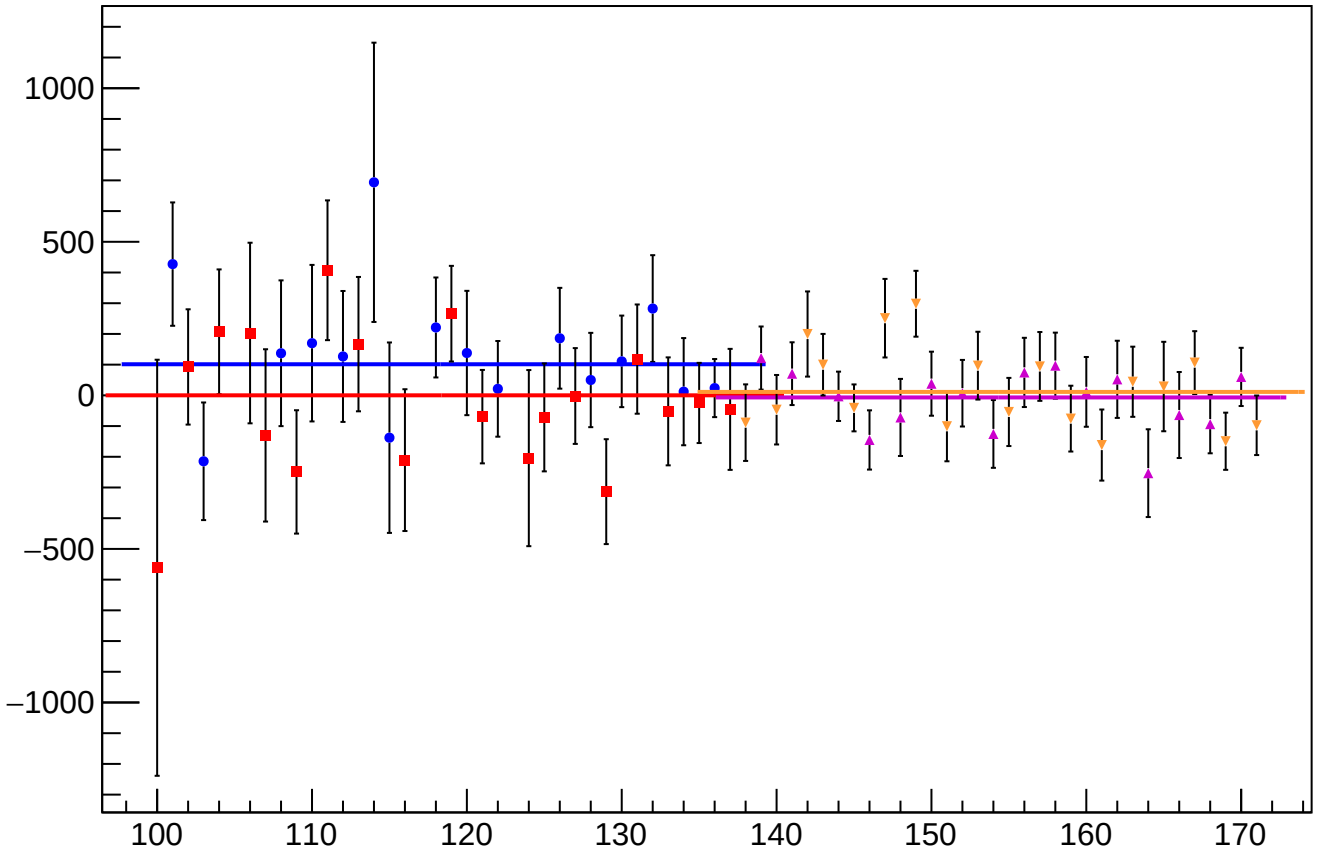
Left: 508.751+/-0.070 χ^2/NDF: 1071401.8/33

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 552.777+/-0.089 χ^2/NDF:2189526.7/31

Out: 550.576+/-0.086 χ^2/NDF:2626111.1/36

All: 551.642+/-0.062 χ^2/NDF: 4815951.6/68



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: -6.782+/-26.690 χ^2/NDF:12.0/15

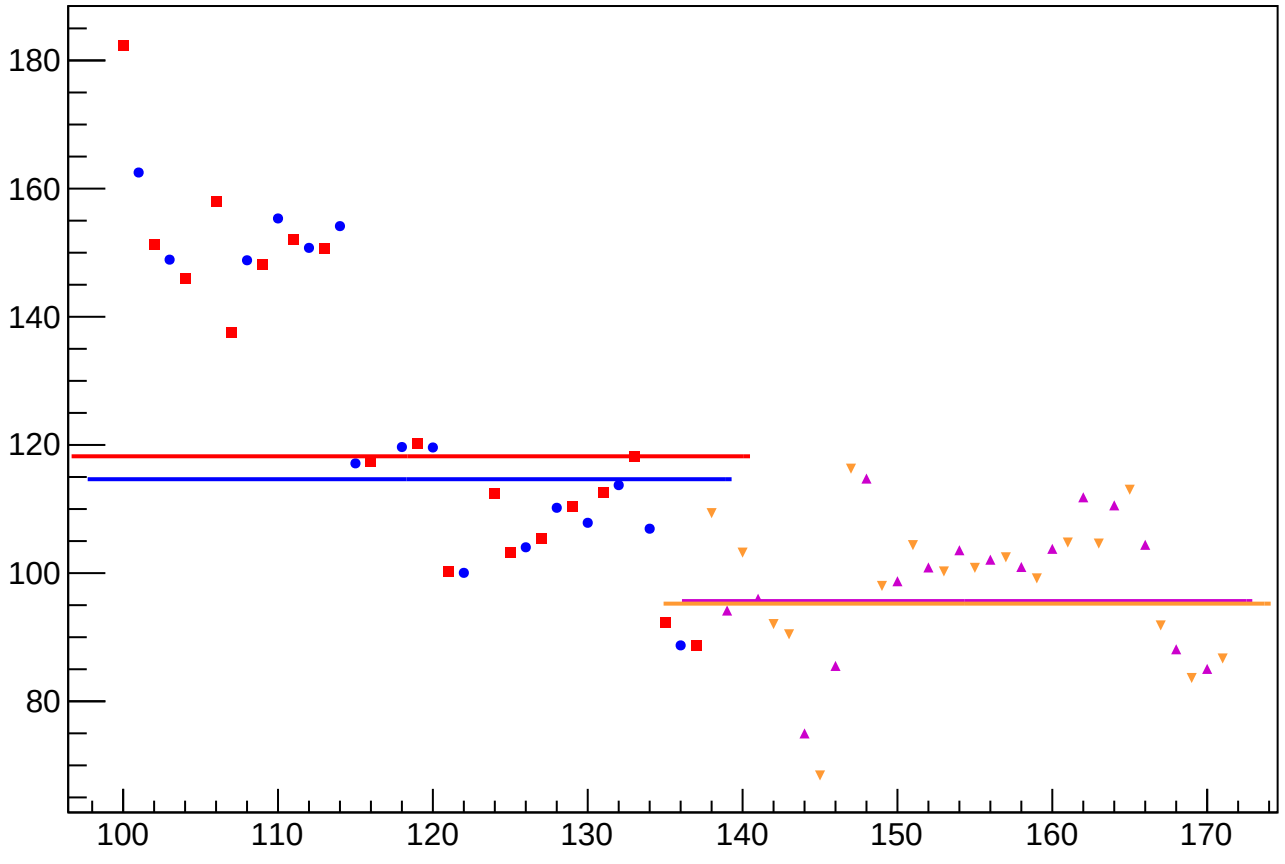
Left: 2.617+/-18.443 χ^2/NDF: 37.5/33

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 22.763+/-22.751 χ^2/NDF:27.5/31

Out: 8.420+/-22.075 χ^2/NDF:41.9/36

All: 15.376+/-15.843 χ^2/NDF: 69.6/68



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: 95.638+/-0.019 χ^2/NDF:340011.0/15

Left: 95.429+/-0.013 χ^2/NDF: 822092.0/33

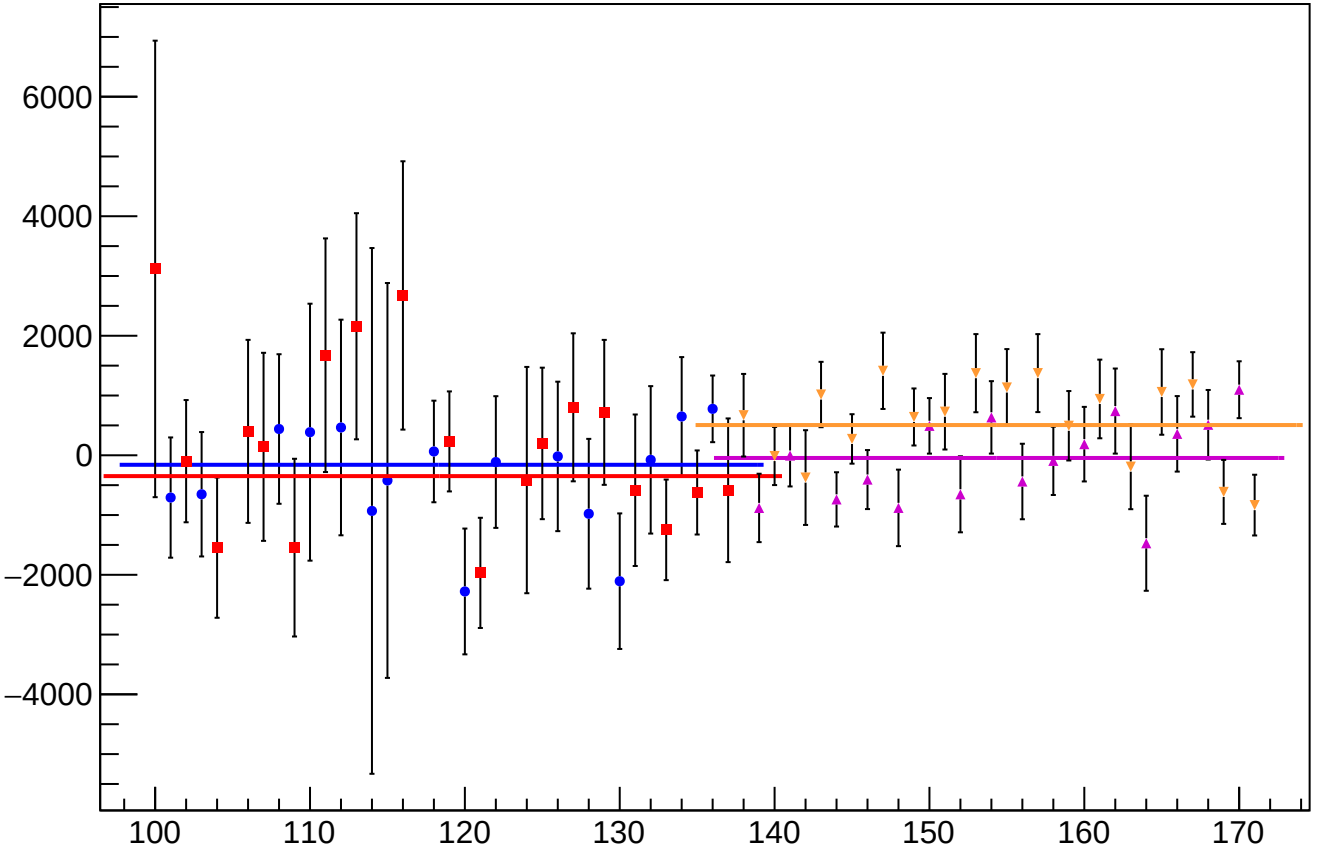
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 100.838+/-0.016 χ^2/NDF:1149560.6/31

Out: 101.017+/-0.016 χ^2/NDF:1373468.0/36

All: 100.930+/-0.011 χ^2/NDF: 2523092.3/68

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: -45.015+/-142.015 χ^2/NDF:22.3/15

Left: 241.033+/-98.468 χ^2/NDF: 55.3/33

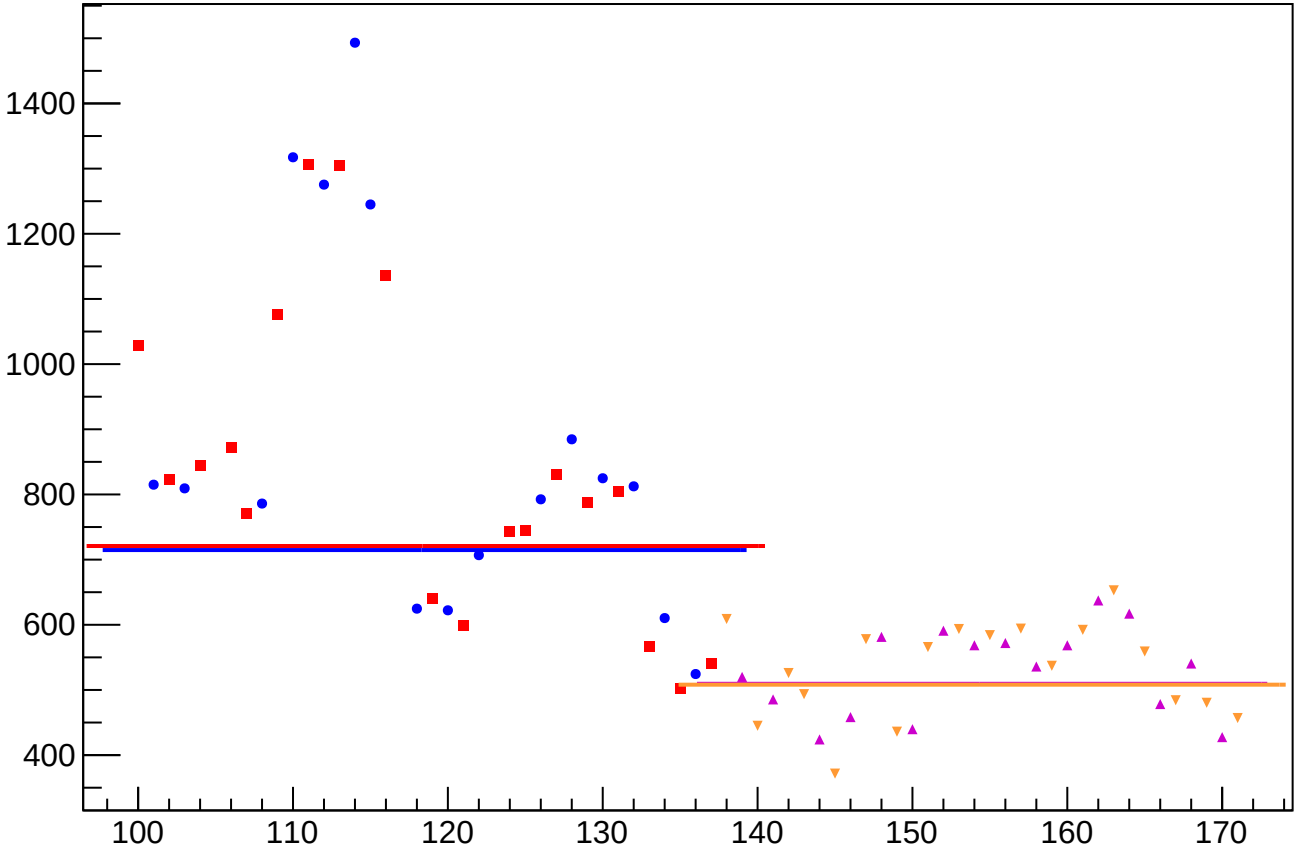
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -69.098+/-126.140 χ^2/NDF:34.4/31

Out: 335.289+/-122.250 χ^2/NDF:47.3/36

All: 139.427+/-87.787 χ^2/NDF: 87.0/68

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: 509.463+/-0.100 χ^2/NDF:431922.5/15

Left: 508.751+/-0.070 χ^2/NDF: 1071403.3/33

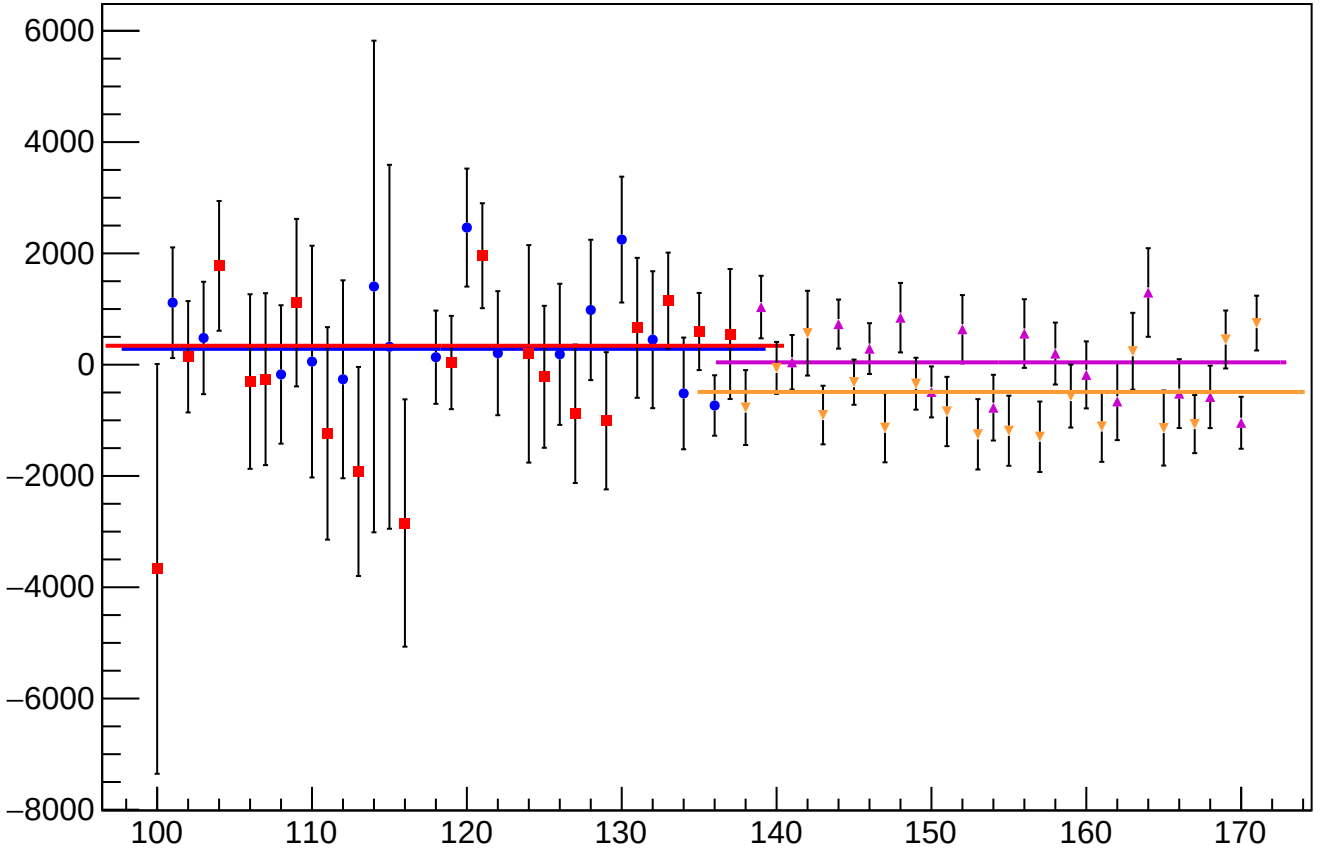
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 552.777+/-0.089 χ^2/NDF:2189521.3/31

Out: 550.576+/-0.086 χ^2/NDF:2626105.2/36

All: 551.642+/-0.062 χ^2/NDF: 4815940.3/68

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



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: 41.903+/-137.667 χ^2/NDF:23.6/15

Left: -233.922+/-95.513 χ^2/NDF: 54.7/33

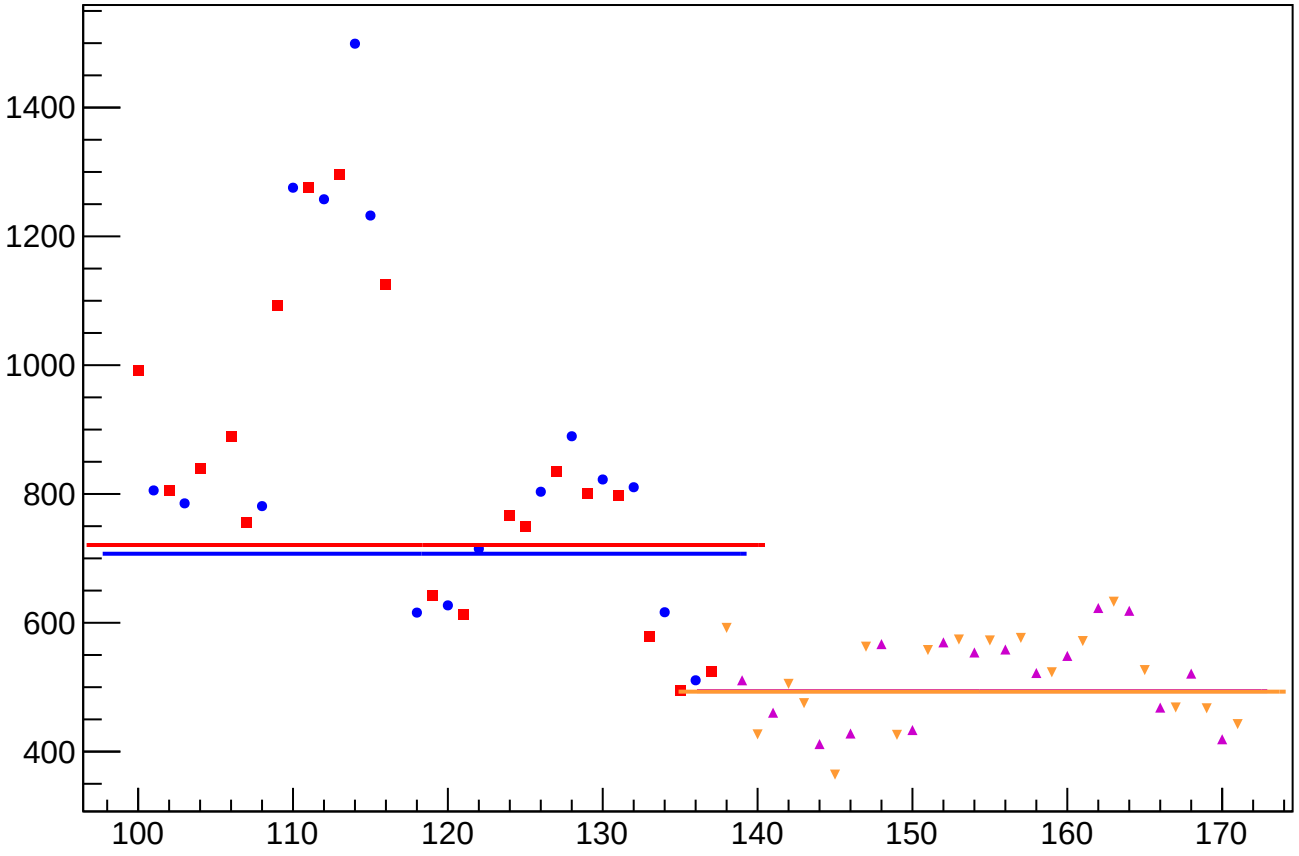
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 91.449+/-122.826 χ^2/NDF:37.0/31

Out: -332.005+/-119.343 χ^2/NDF:44.9/36

All: -126.367+/-85.593 χ^2/NDF: 88.0/68

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: 493.902+/-0.097 χ^2/NDF:456277.1/15

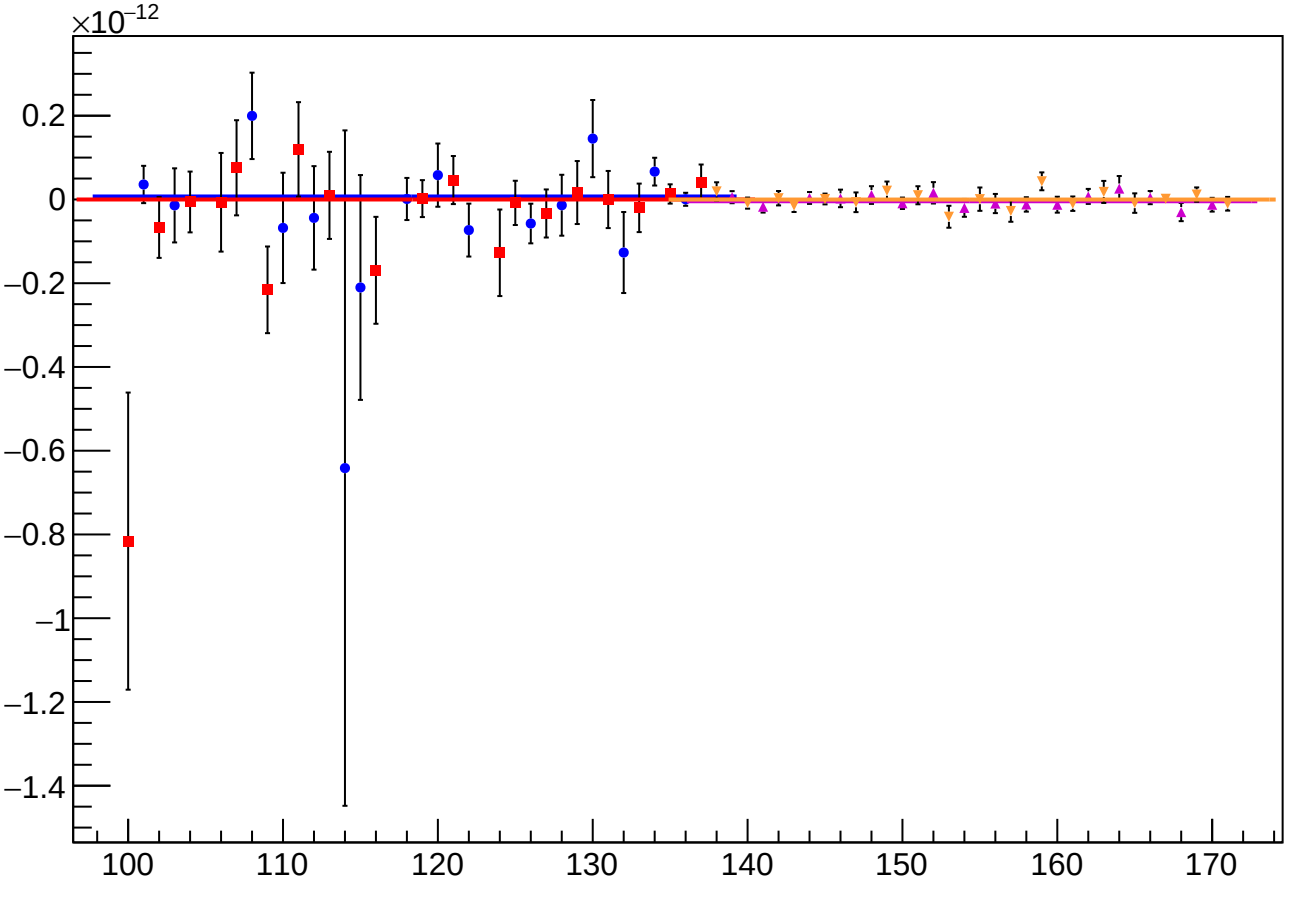
Left: 493.468+/-0.068 χ^2/NDF: 1084725.7/33

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 537.416+/-0.087 χ^2/NDF:2332452.2/31

Out: 536.390+/-0.084 χ^2/NDF:2765477.4/36

All: 536.888+/-0.061 χ^2/NDF: 5098001.4/68



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:7.4/15

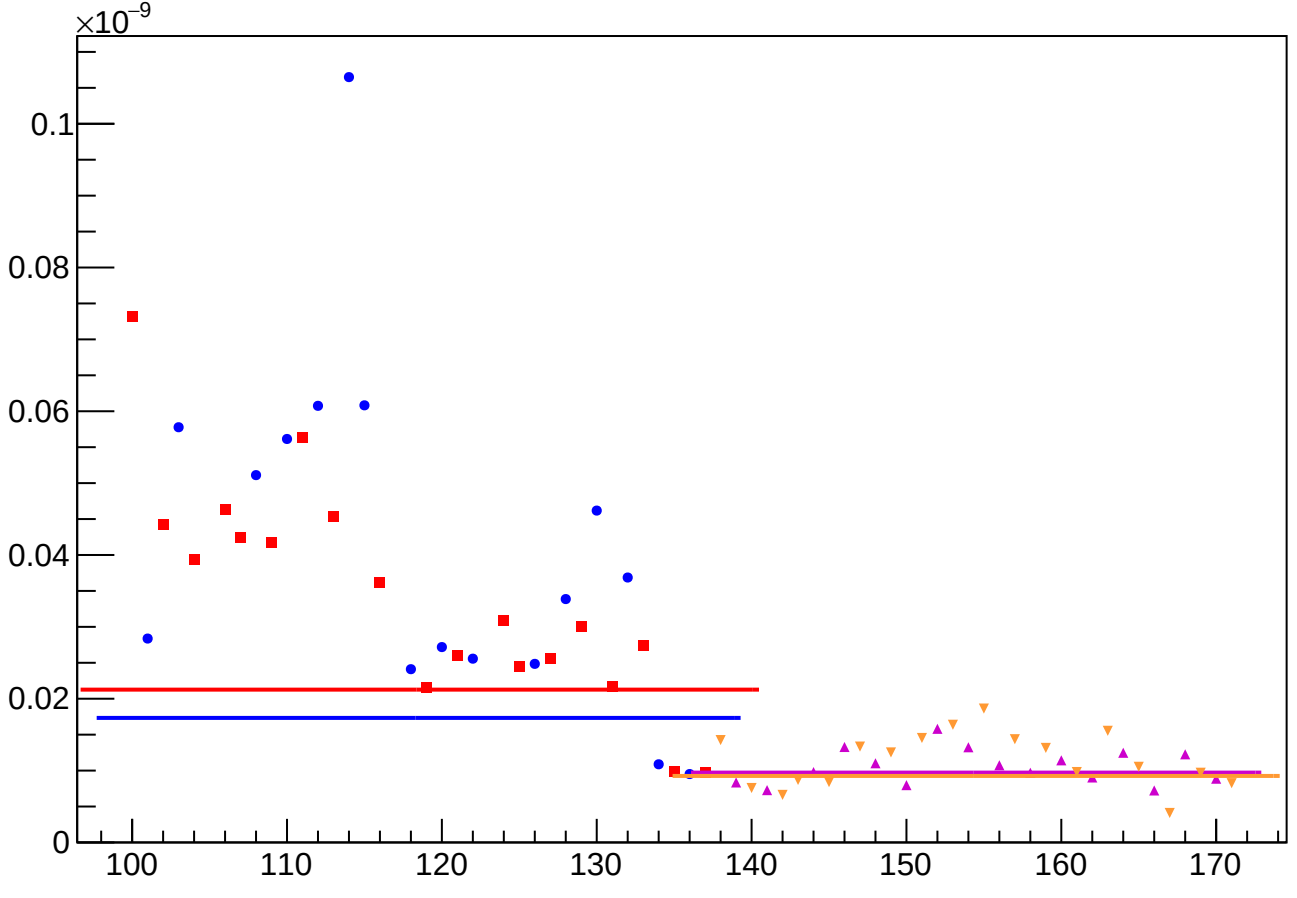
Left: -0.000+/-0.000 χ^2/NDF: 20.8/33

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:25.5/31

Out: -0.000+/-0.000 χ^2/NDF:30.8/36

All: -0.000+/-0.000 χ^2/NDF: 56.5/68



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:467617.3/15

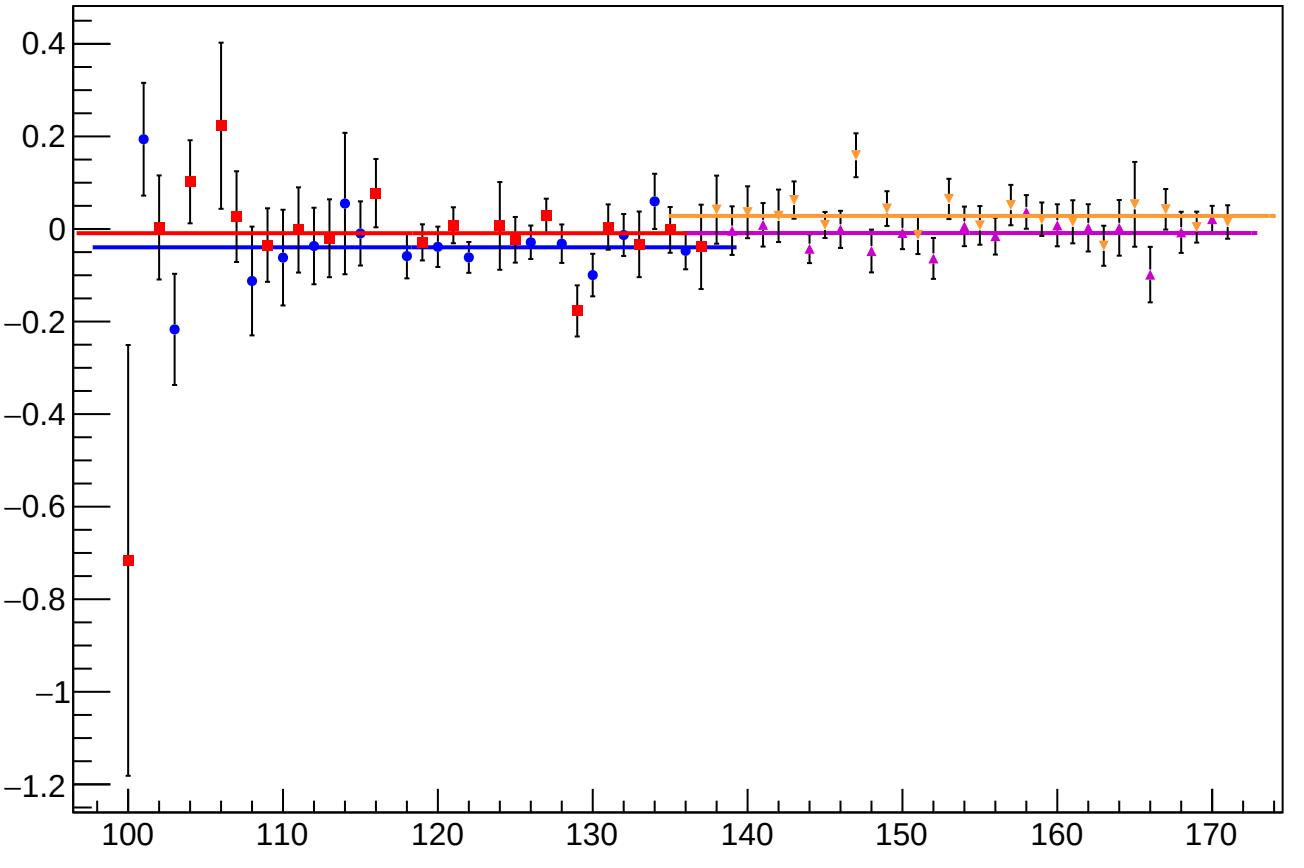
Left: 0.000+/-0.000 χ^2/NDF: 2164453.2/33

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3600908.4/31

Out: 0.000+/-0.000 χ^2/NDF:4824938.5/36

All: 0.000+/-0.000 χ^2/NDF: 8436960.8/68



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:8.9/15

Left: 0.010+/-0.007 χ^2/NDF: 30.0/33

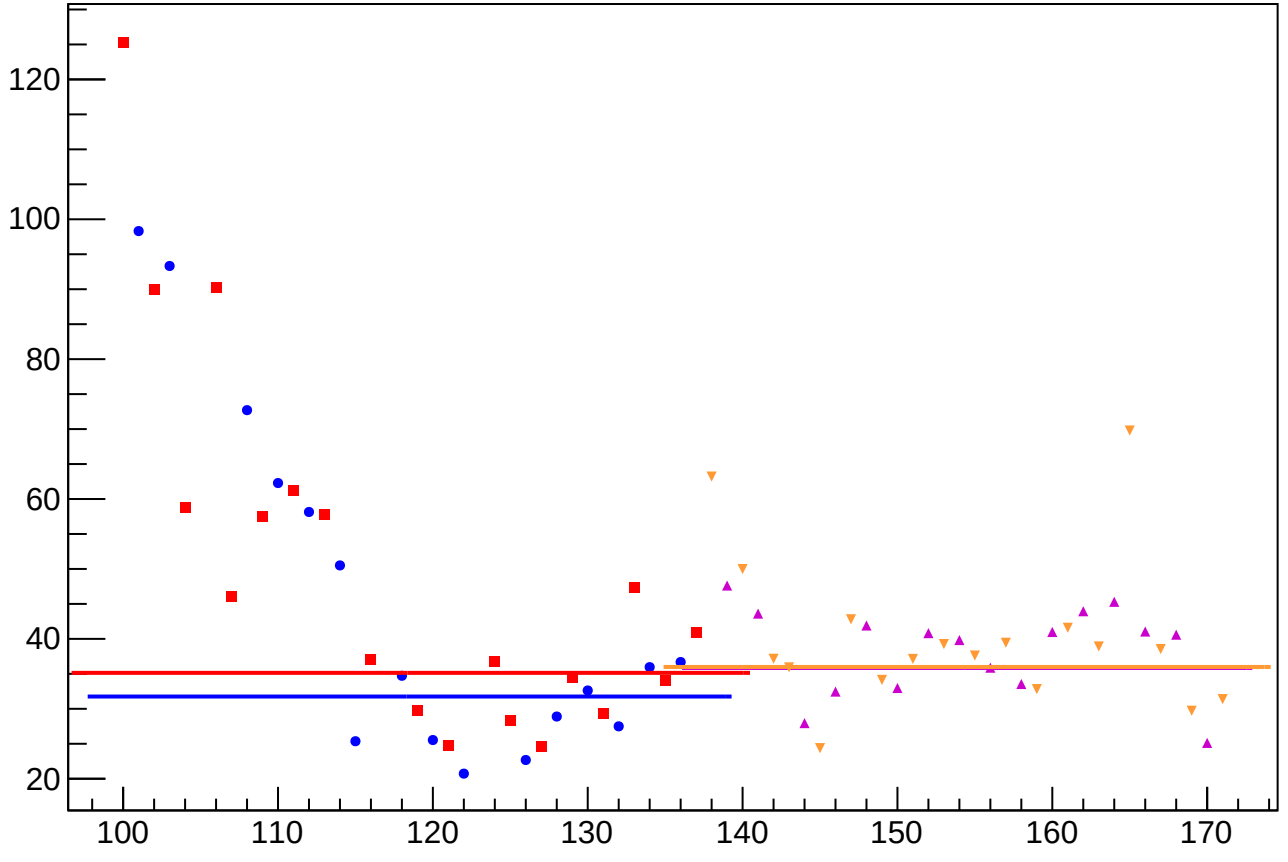
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.002+/-0.006 χ^2/NDF: 72.2/68

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249375.6/17

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.840+/-0.007 χ^2/NDF:842757.4/15

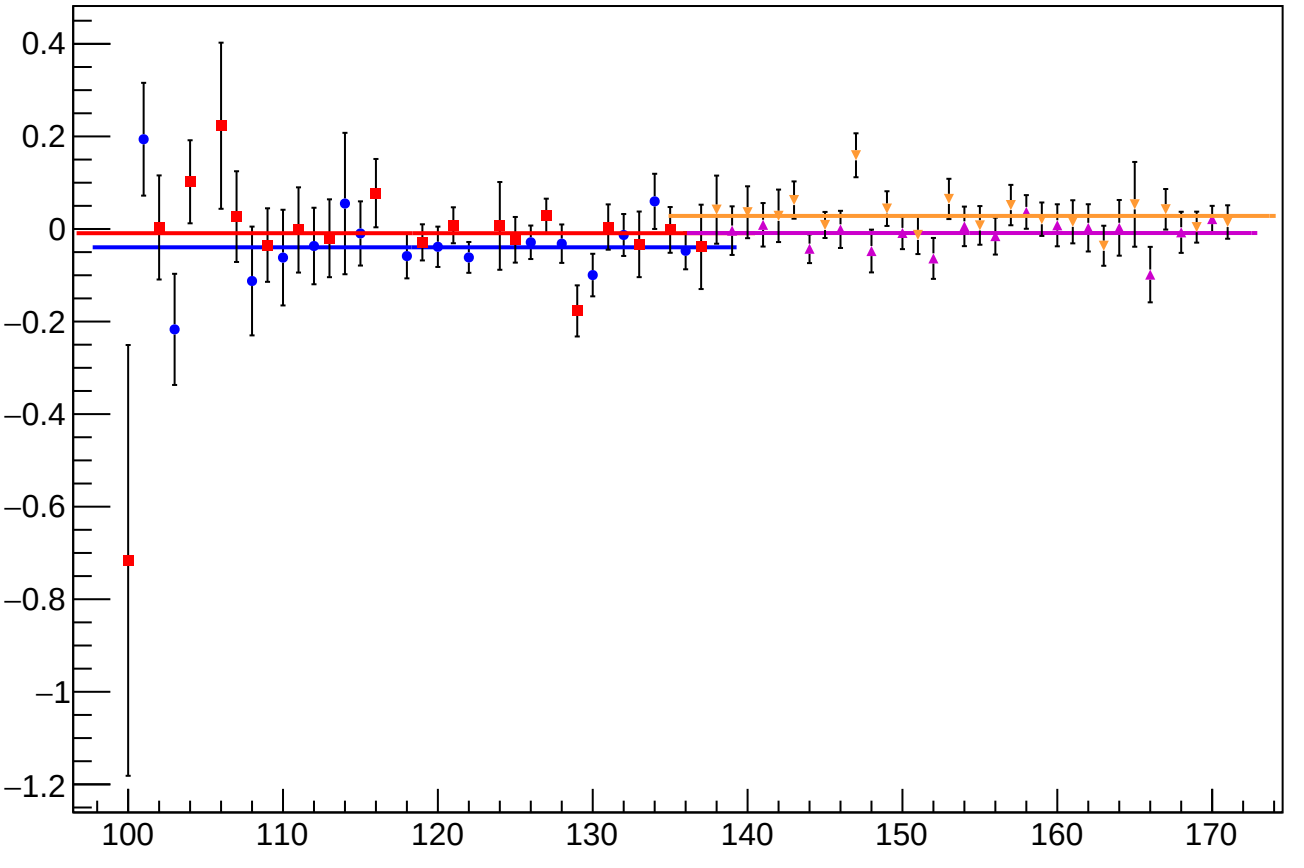
Left: 35.915+/-0.005 χ^2/NDF: 2092337.6/33

Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.281+/-0.006 χ^2/NDF:3214248.0/31

Out: 35.706+/-0.006 χ^2/NDF:3098820.0/36

All: 34.993+/-0.004 χ^2/NDF: 6343736.8/68



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:8.9/15

Left: 0.010+/-0.007 χ^2/NDF: 30.0/33

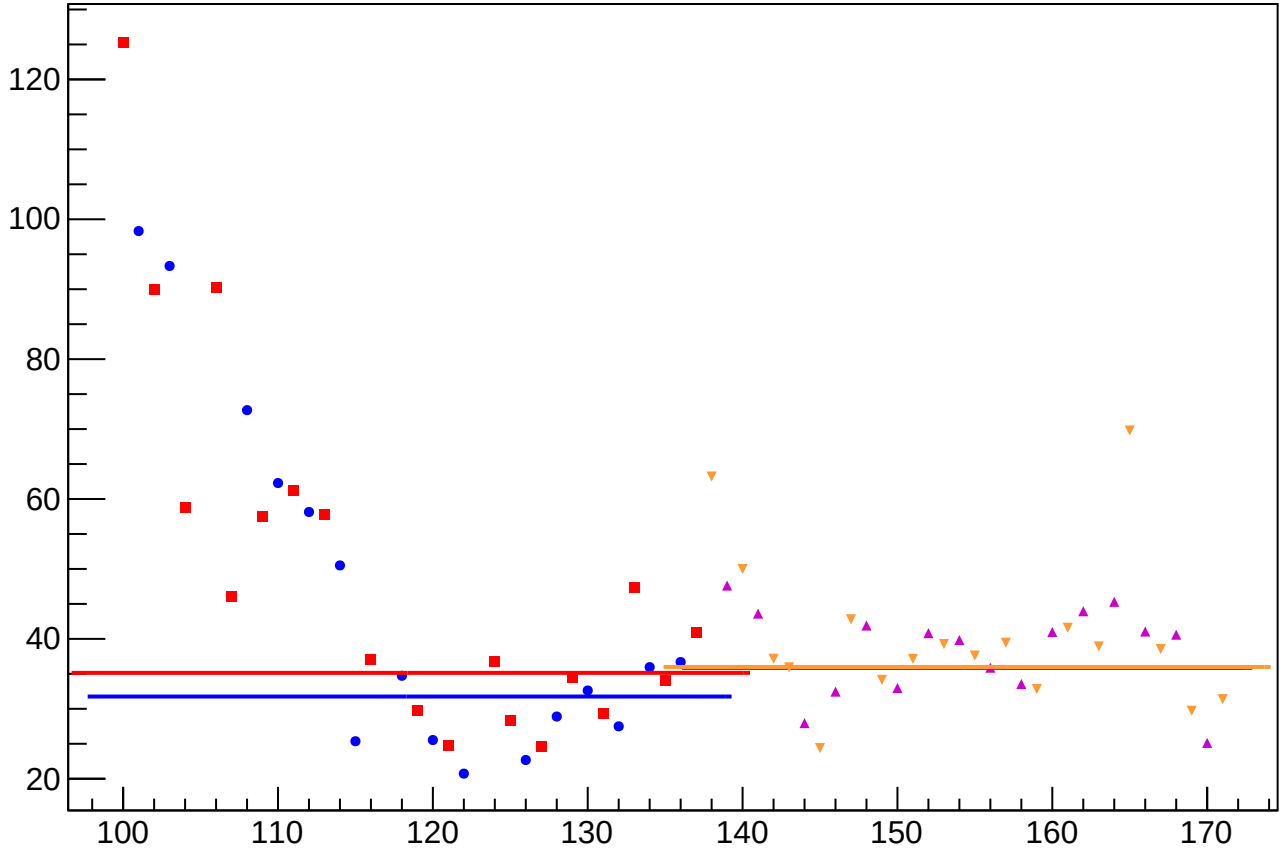
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.002+/-0.006 χ^2/NDF: 72.2/68

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249375.6/17

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.840+/-0.007 χ^2/NDF:842757.4/15

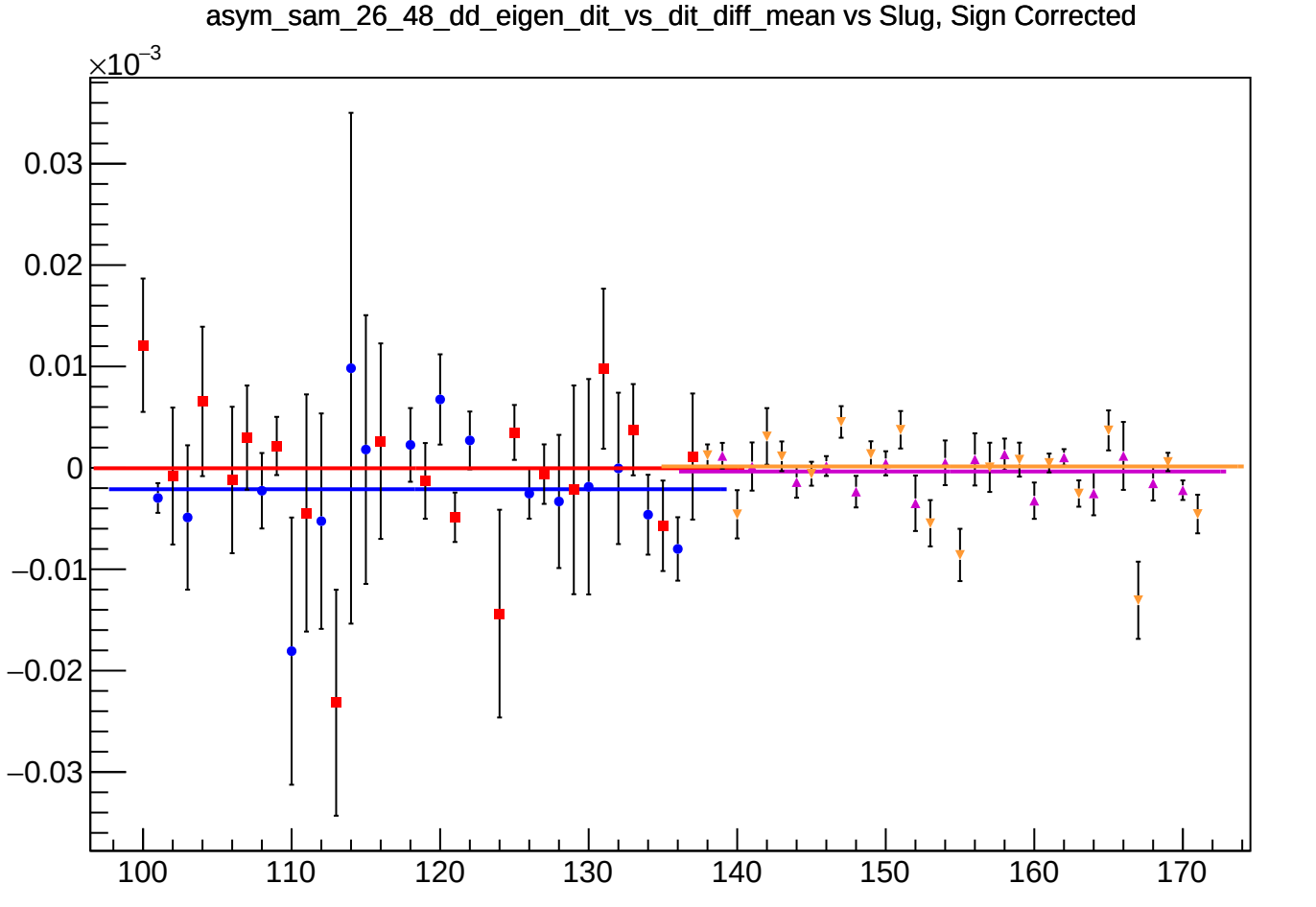
Left: 35.915+/-0.005 χ^2/NDF: 2092337.6/33

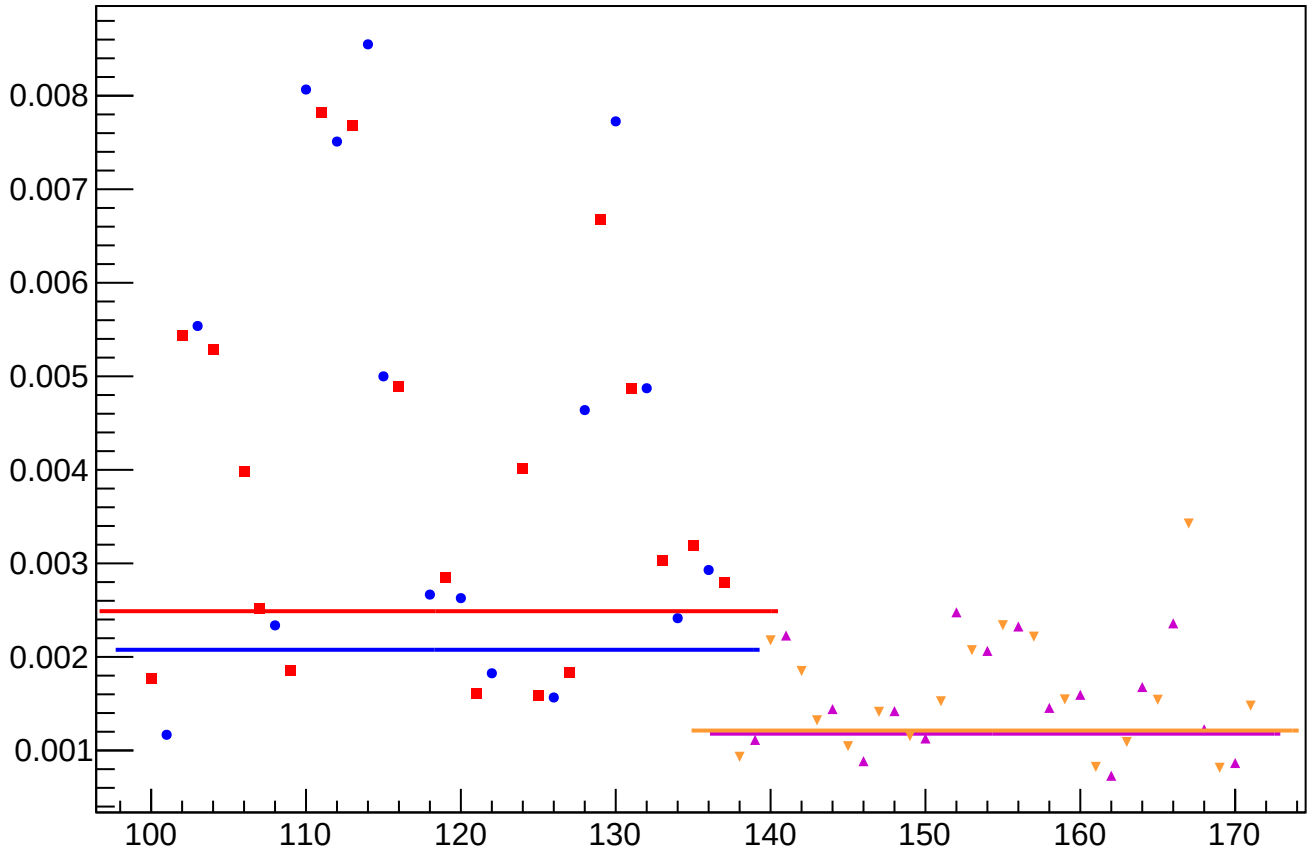
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.281+/-0.006 χ^2/NDF:3214248.0/31

Out: 35.706+/-0.006 χ^2/NDF:3098820.0/36

All: 34.993+/-0.004 χ^2/NDF: 6343736.8/68


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 14.7/15
Left Out: 0.000+/-0.000 χ²/NDF:63.3/17
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: -0.000+/-0.000 χ²/NDF:18.0/15
Left: -0.000+/-0.000 χ²/NDF: 82.3/33
Right: -0.000+/-0.000 χ²/NDF: 38.4/34
In: -0.000+/-0.000 χ²/NDF:35.9/31
Out: 0.000+/-0.000 χ²/NDF:84.7/36
All: -0.000+/-0.000 χ²/NDF: 123.0/68



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:3201411.0/15

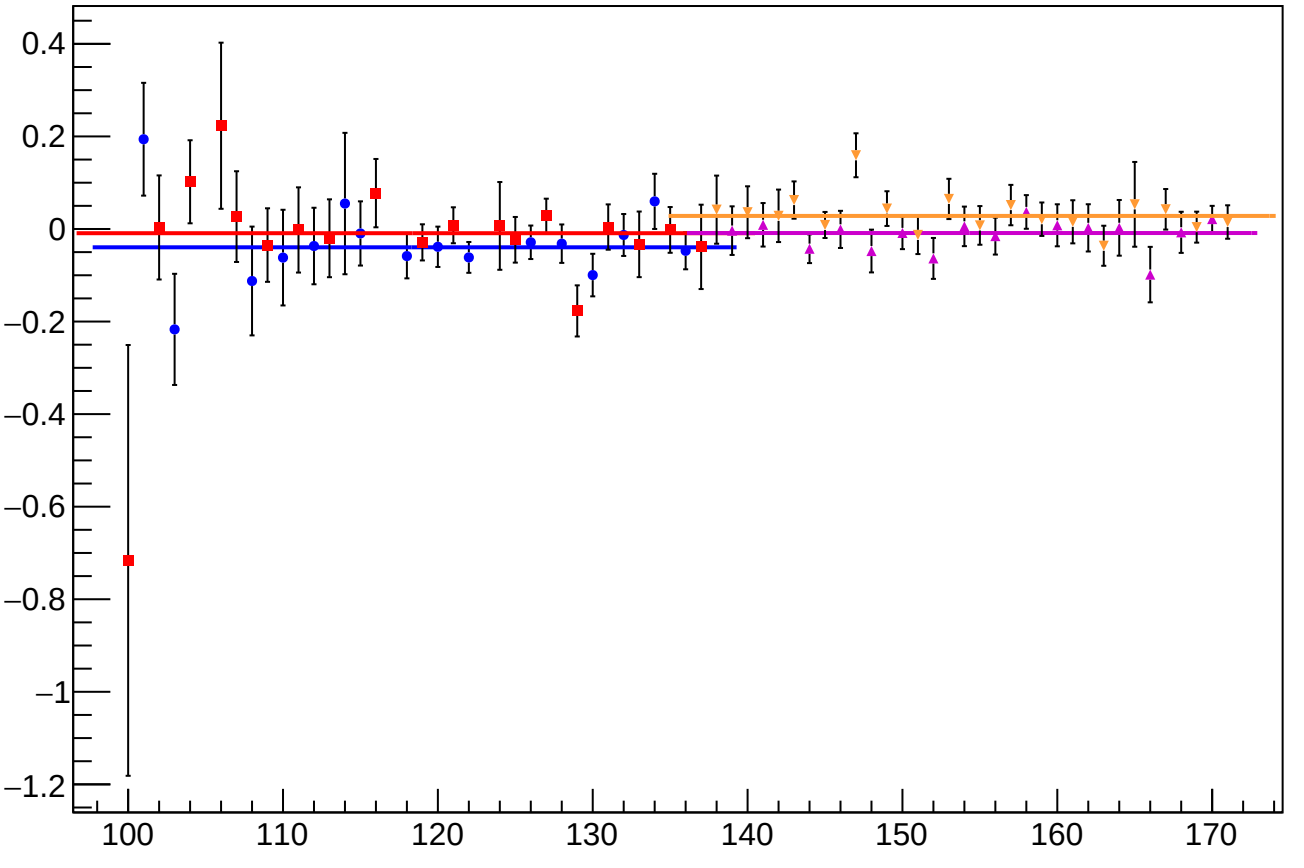
Left: 0.001+/-0.000 χ^2/NDF: 6537472.5/33

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:8802996.7/31

Out: 0.001+/-0.000 χ^2/NDF:9113369.0/36

All: 0.001+/-0.000 χ^2/NDF: 17932863.8/68



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:8.9/15

Left: 0.010+/-0.007 χ^2/NDF: 30.0/33

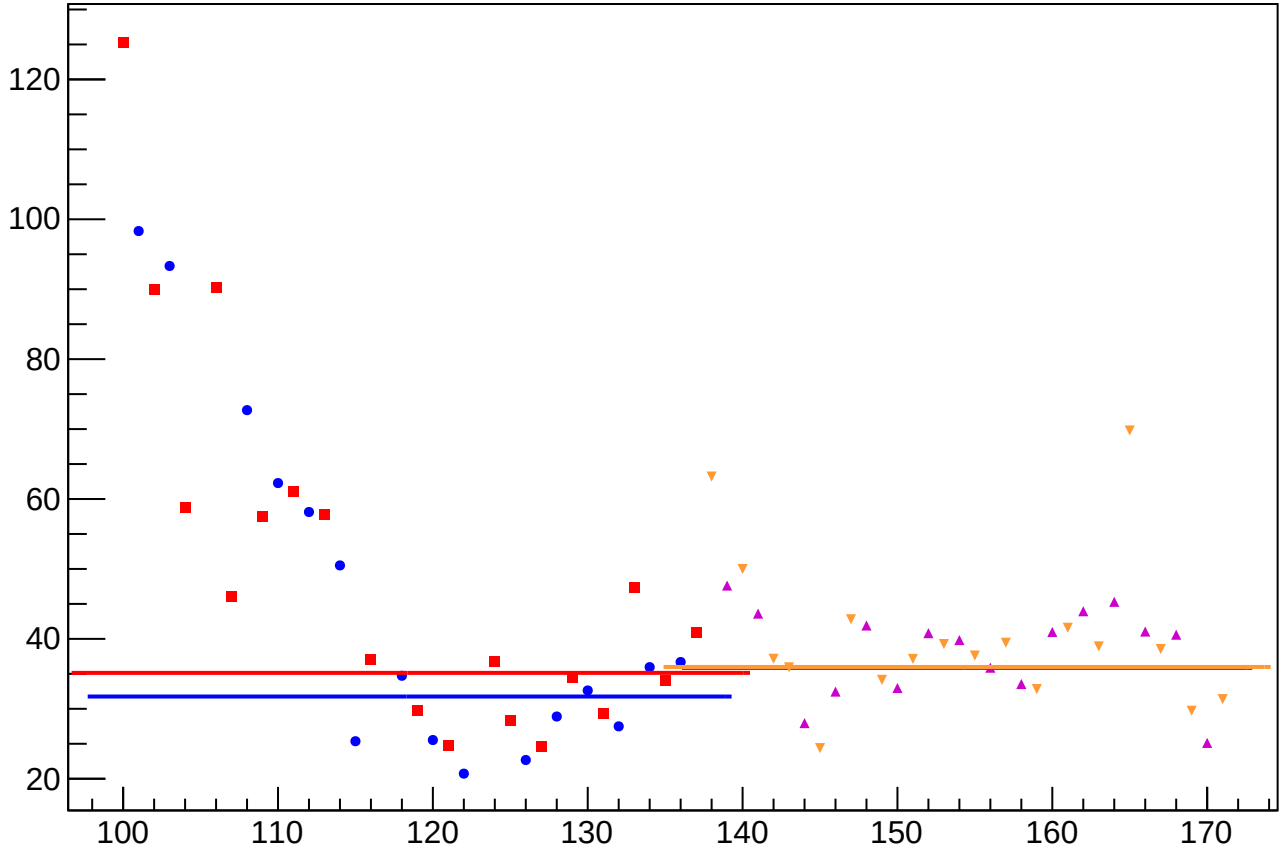
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.002+/-0.006 χ^2/NDF: 72.2/68

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249403.9/17

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.839+/-0.007 χ^2/NDF:842775.1/15

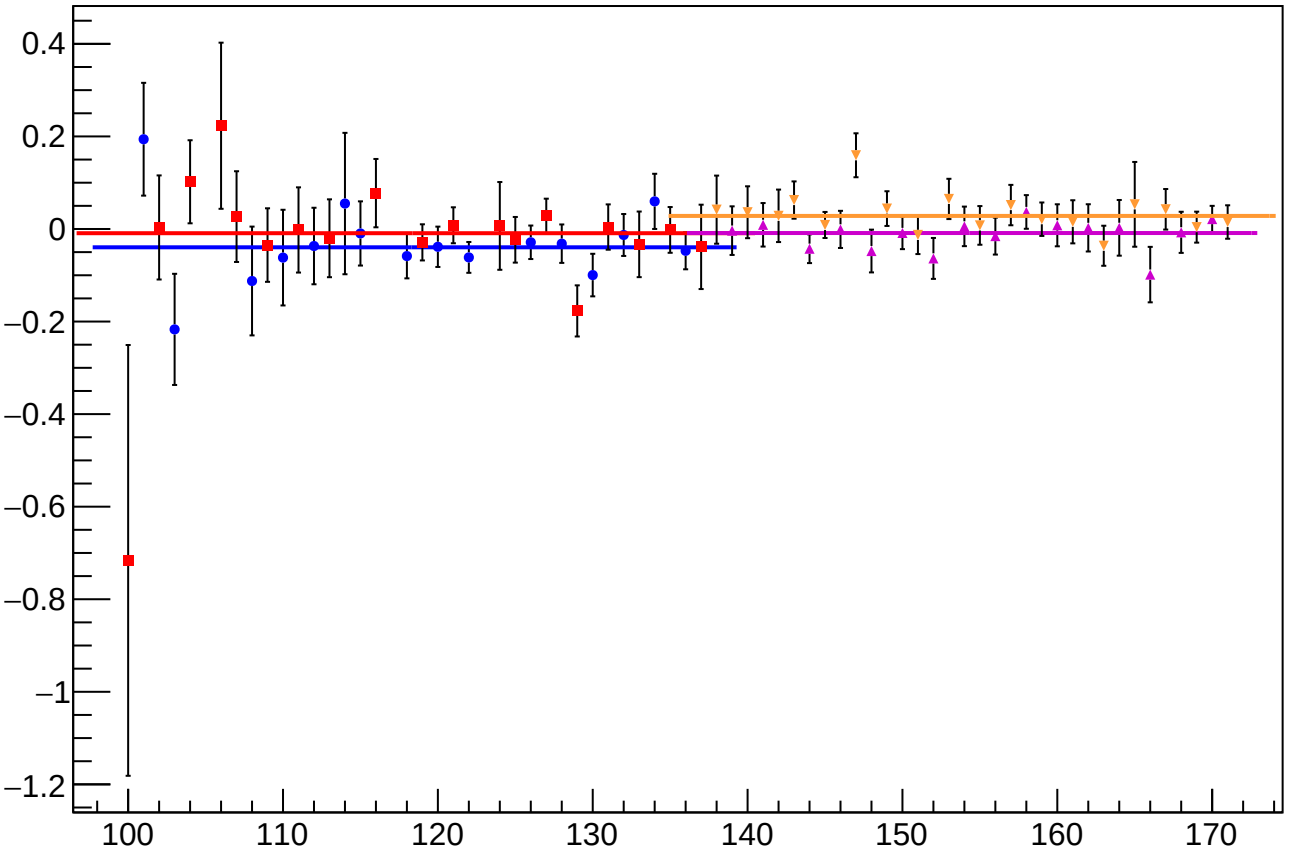
Left: 35.915+/-0.005 χ^2/NDF: 2092383.8/33

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.281+/-0.006 χ^2/NDF:3214214.3/31

Out: 35.706+/-0.006 χ^2/NDF:3098739.1/36

All: 34.993+/-0.004 χ^2/NDF: 6343623.5/68



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:8.9/15

Left: 0.010+/-0.007 χ^2/NDF: 30.0/33

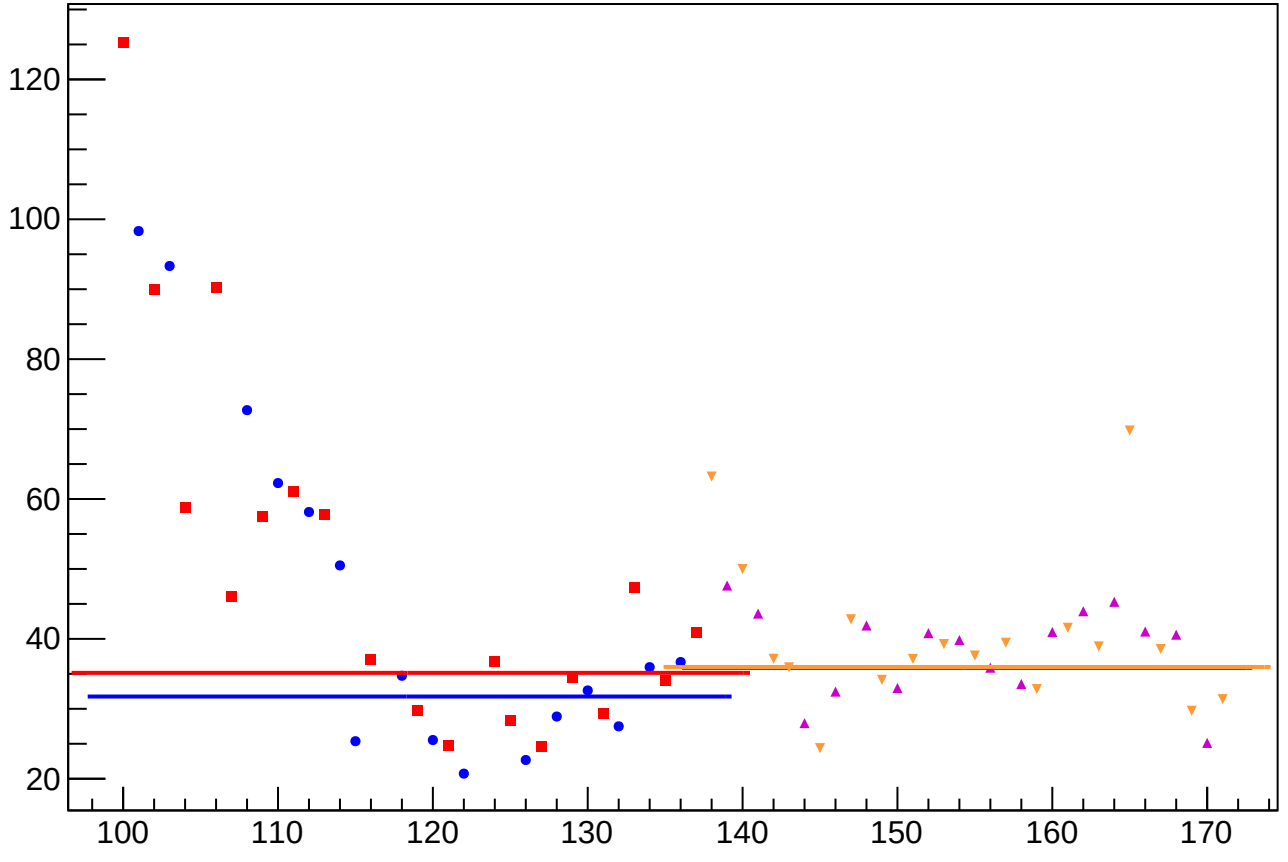
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.020+/-0.008 χ^2/NDF:24.7/31

Out: 0.016+/-0.008 χ^2/NDF:37.4/36

All: -0.002+/-0.006 χ^2/NDF: 72.2/68

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 35.985+/-0.007 χ^2/NDF:1249403.9/17

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.839+/-0.007 χ^2/NDF:842775.1/15

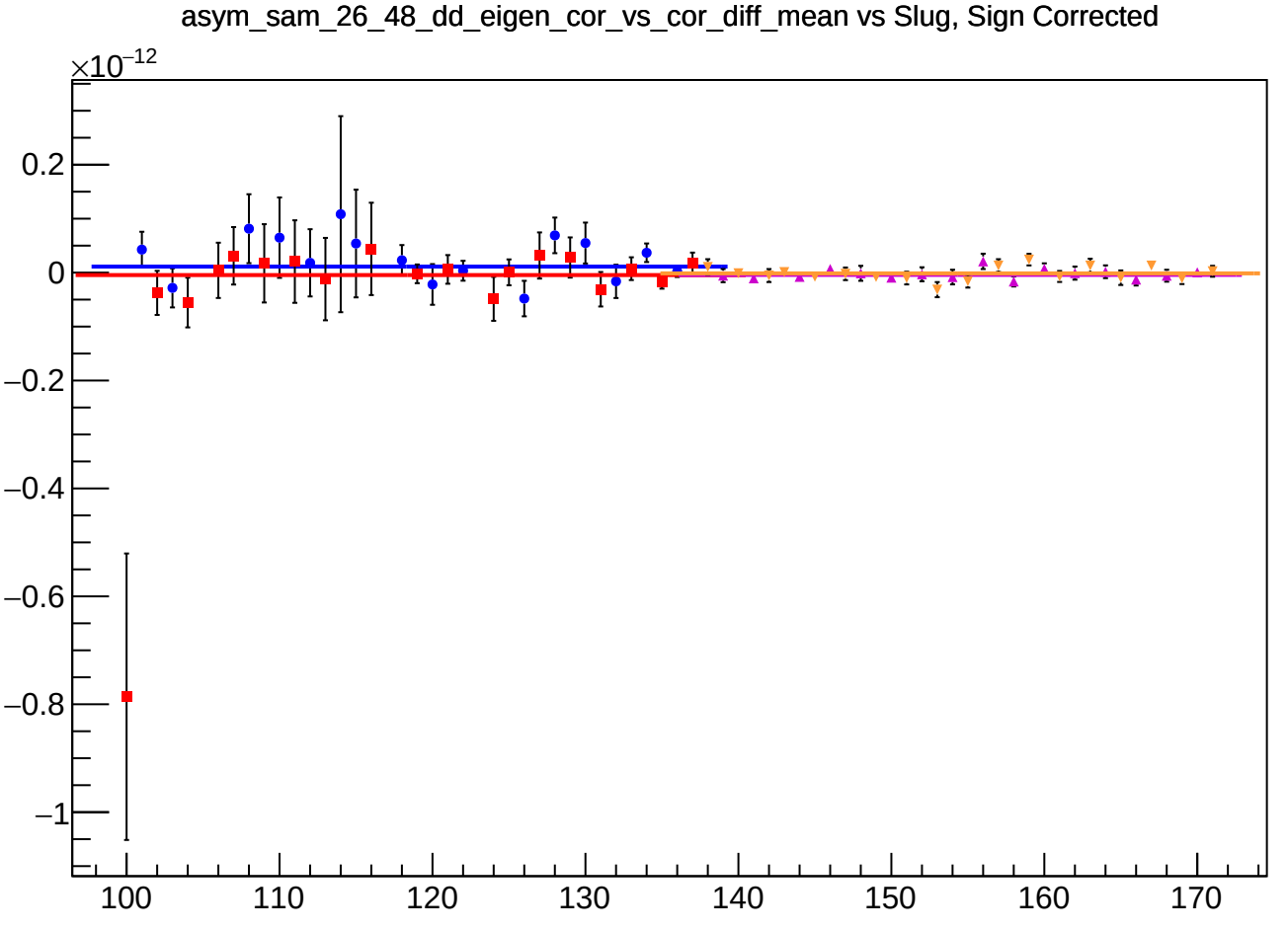
Left: 35.915+/-0.005 χ^2/NDF: 2092383.8/33

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.281+/-0.006 χ^2/NDF:3214214.3/31

Out: 35.706+/-0.006 χ^2/NDF:3098739.1/36

All: 34.993+/-0.004 χ^2/NDF: 6343623.5/68



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:10.6/15

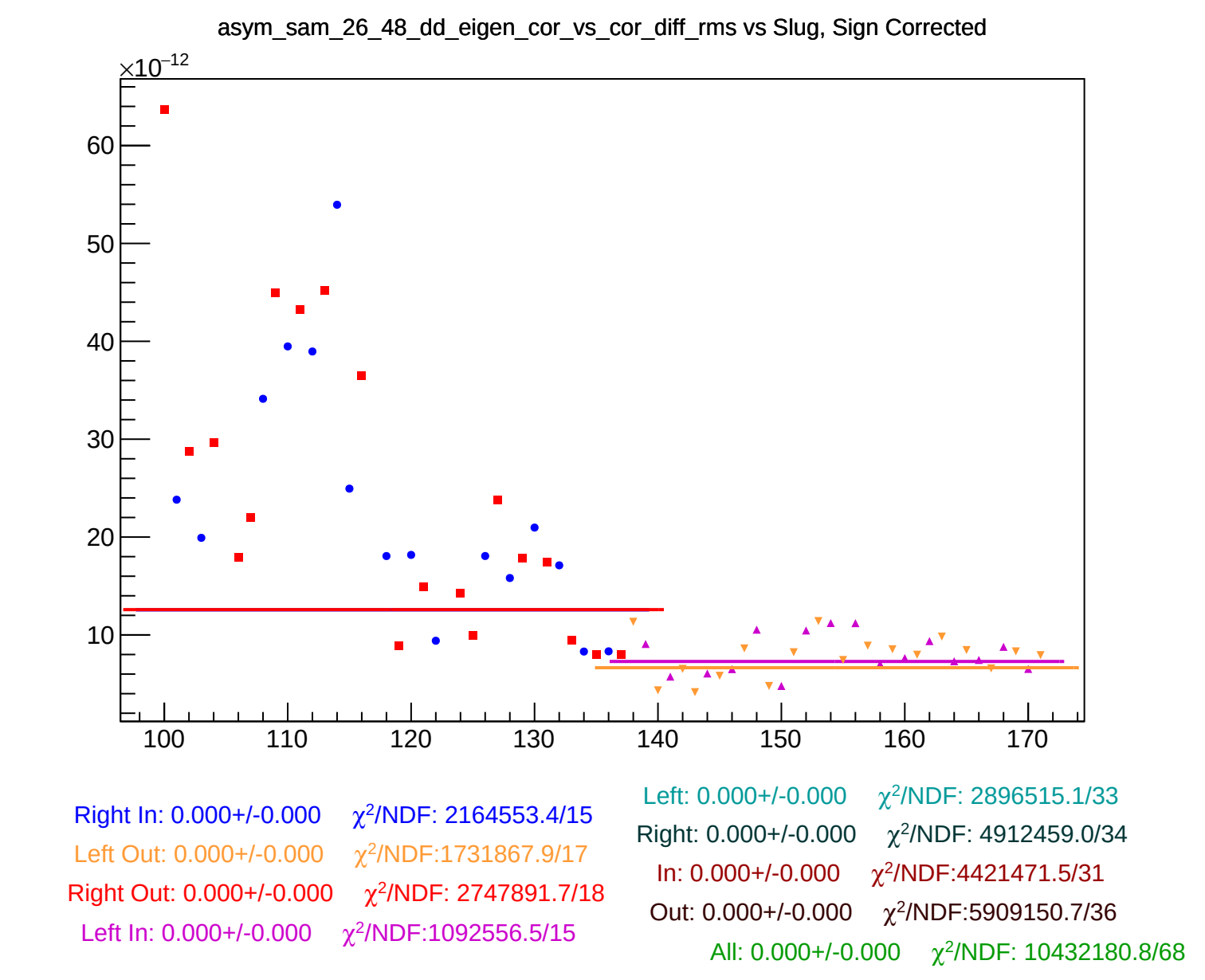
Left: -0.000+/-0.000 χ^2/NDF: 33.0/33

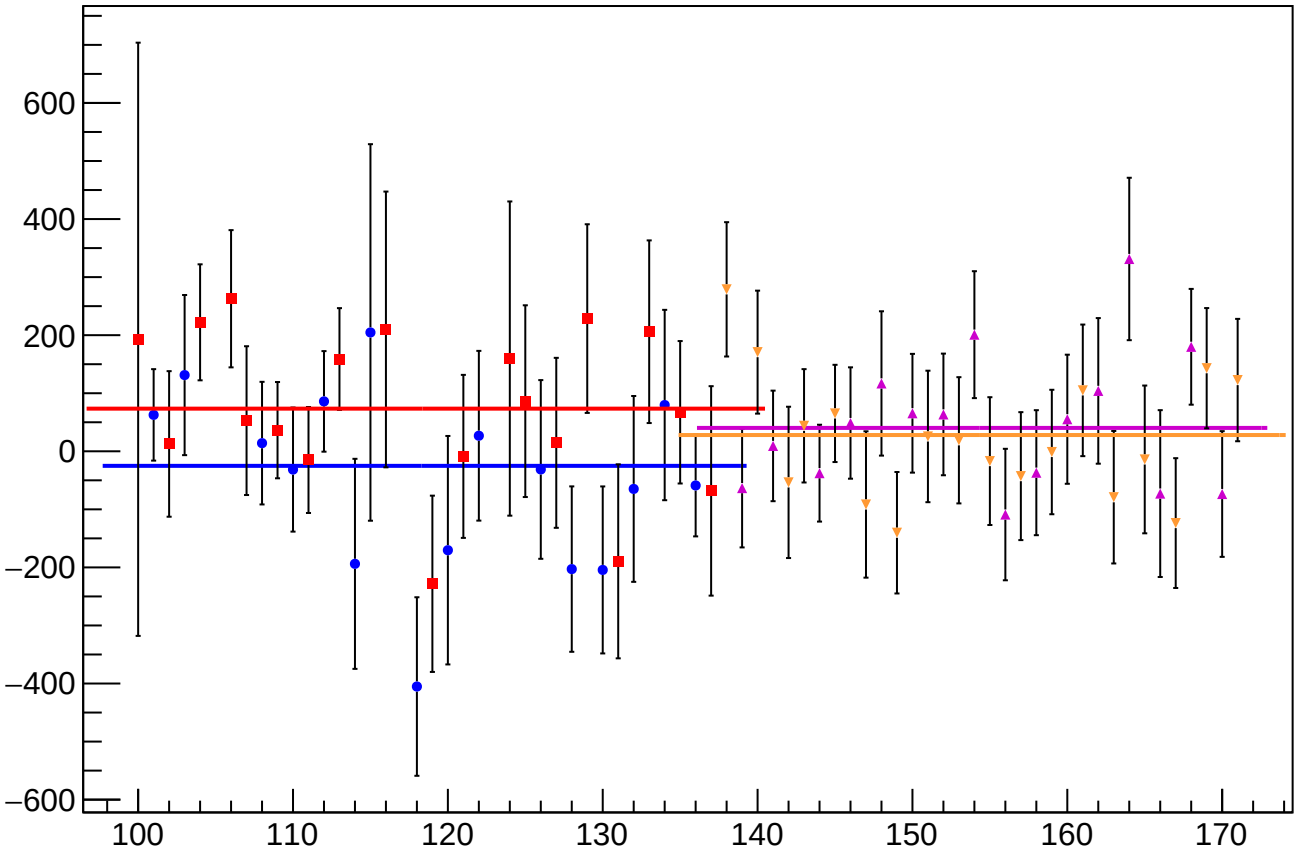
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:32.4/31

Out: -0.000+/-0.000 χ^2/NDF:39.4/36

All: -0.000+/-0.000 χ^2/NDF: 71.8/68


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:1092556.5/15
Left: 0.000+/-0.000 χ²/NDF: 2896515.1/33
Right: 0.000+/-0.000 χ²/NDF: 4912459.0/34
In: 0.000+/-0.000 χ²/NDF:4421471.5/31
Out: 0.000+/-0.000 χ²/NDF:5909150.7/36
All: 0.000+/-0.000 χ²/NDF: 10432180.8/68



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: 40.269+/-26.842 χ^2/NDF:15.2/15

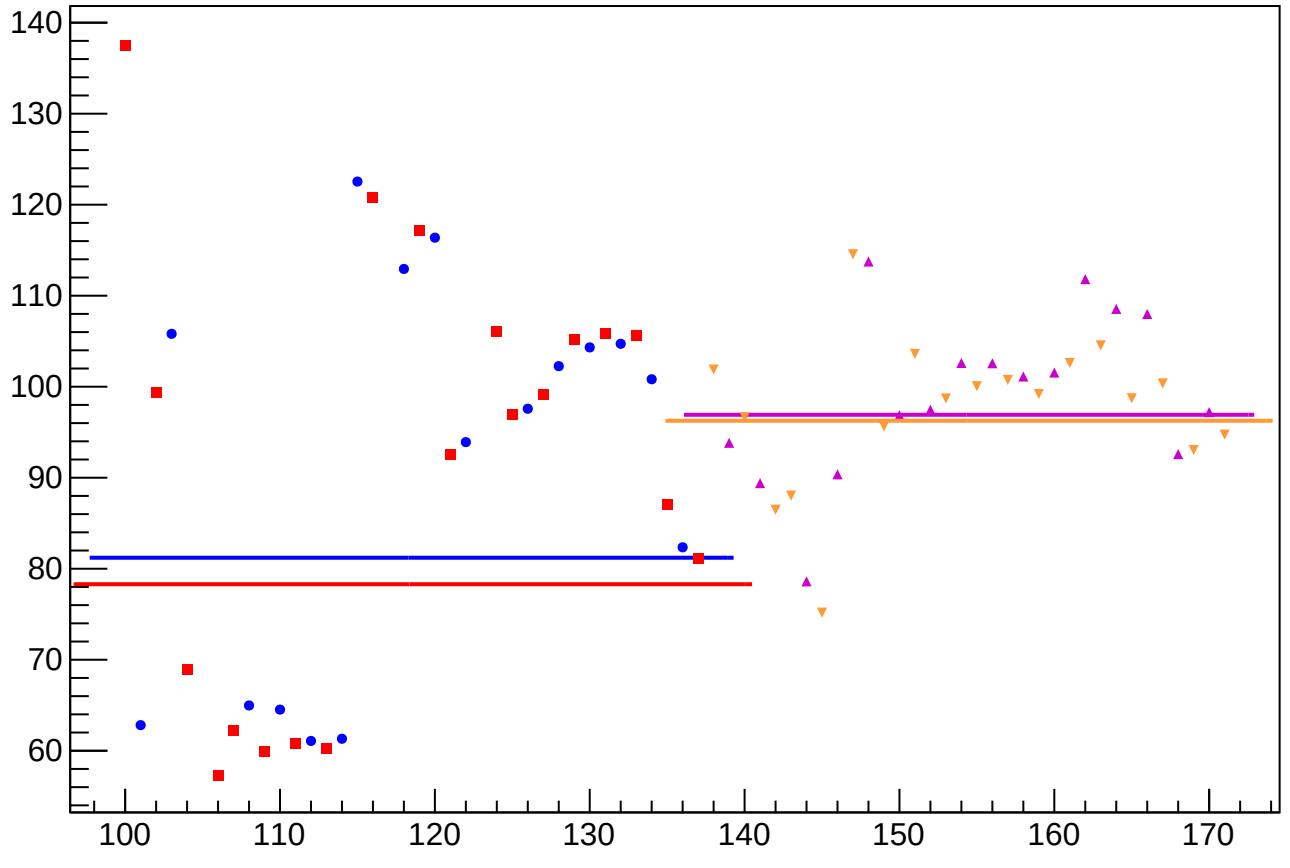
Left: 33.857+/-18.548 χ^2/NDF: 31.9/33

Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 12.507+/-20.356 χ^2/NDF:33.9/31

Out: 47.251+/-19.481 χ^2/NDF:34.7/36

All: 30.642+/-14.075 χ^2/NDF: 70.2/68



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: 96.916+/-0.019 χ^2/NDF:231377.3/15

Left: 96.572+/-0.013 χ^2/NDF: 470497.6/33

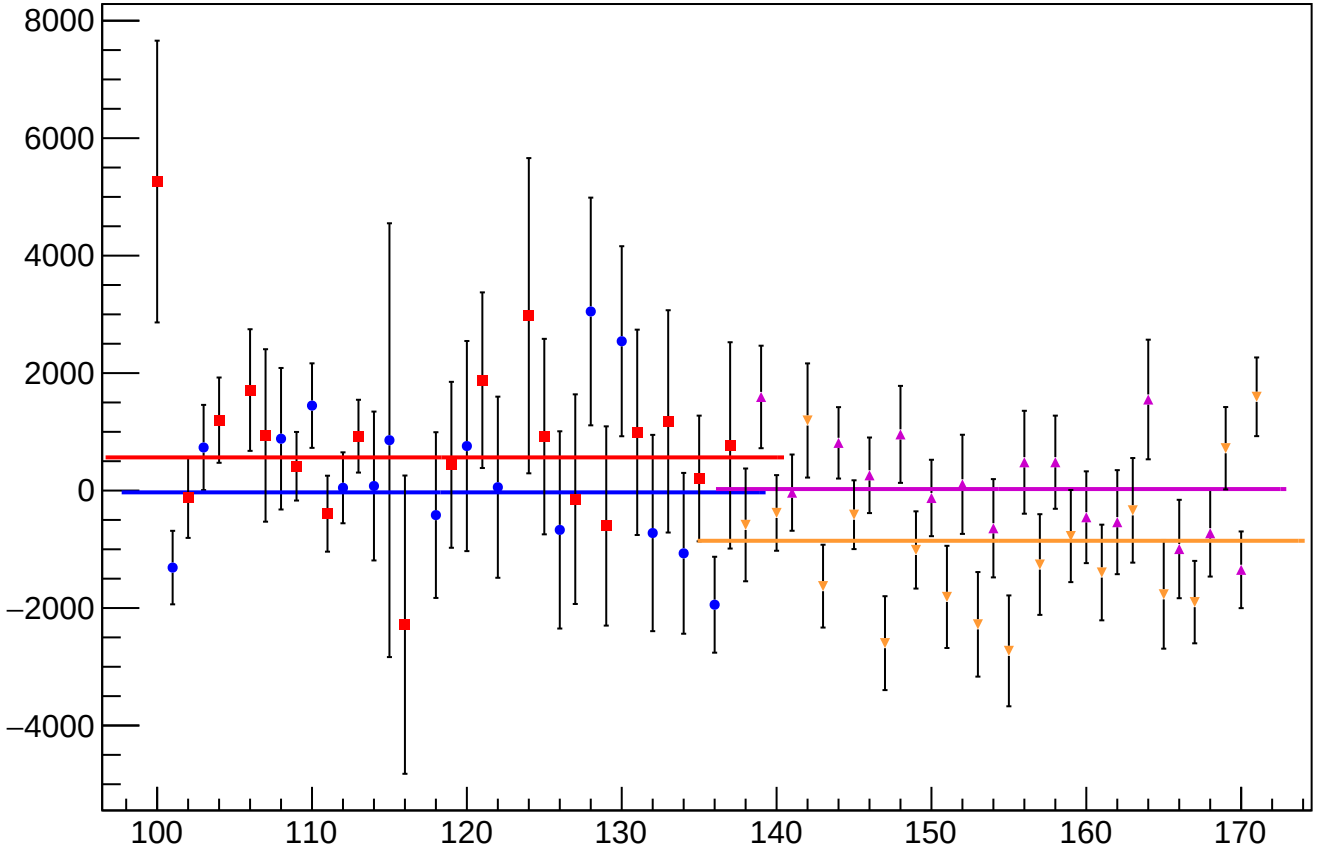
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 90.243+/-0.014 χ^2/NDF:1309990.0/31

Out: 88.651+/-0.014 χ^2/NDF:1588164.3/36

All: 89.412+/-0.010 χ^2/NDF: 2904535.1/68

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: 25.783+/-189.496 χ^2/NDF:17.6/15

Left: -433.021+/-131.159 χ^2/NDF: 70.8/33

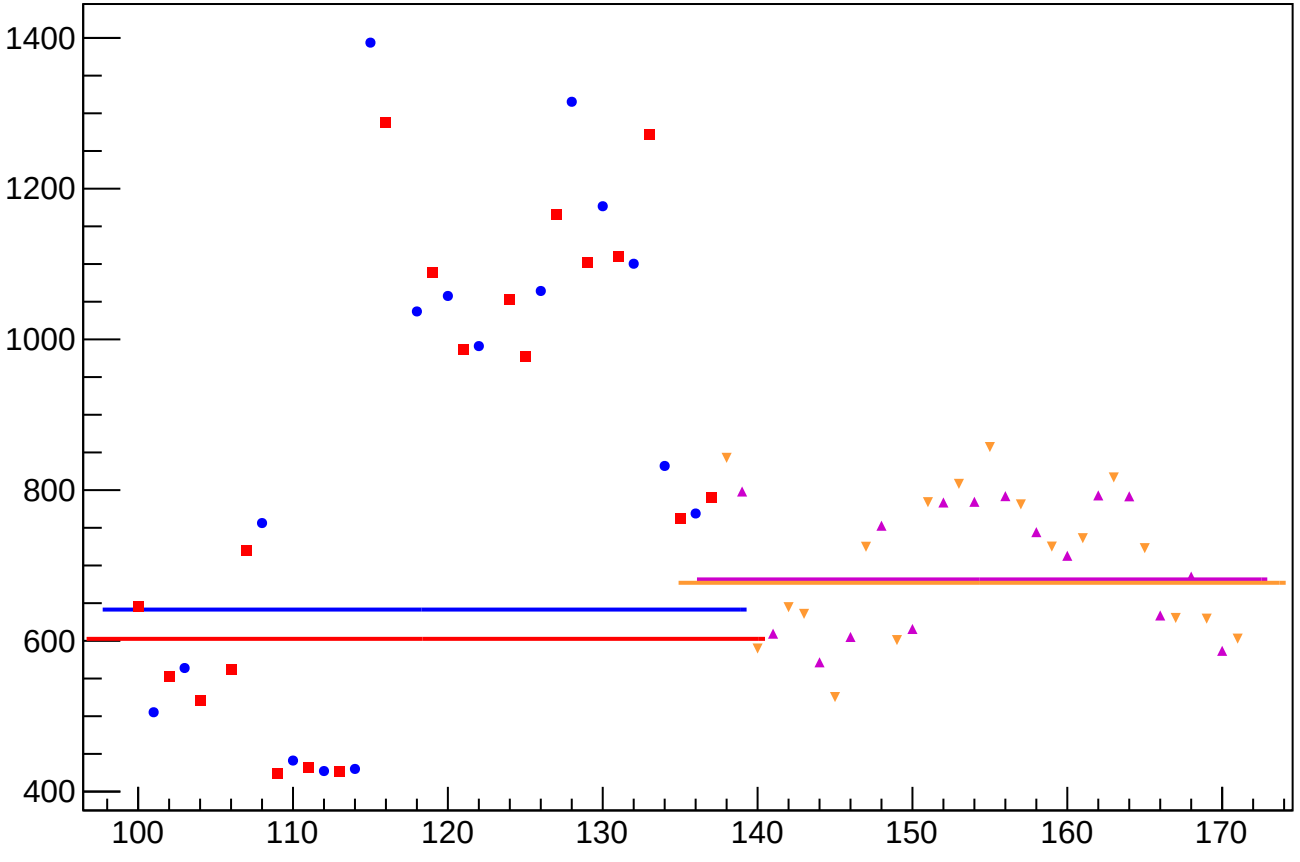
Right: 289.446+/-174.816 χ^2/NDF: 38.1/34

In: 5.994+/-152.518 χ^2/NDF:39.5/31

Out: -333.412+/-144.544 χ^2/NDF:77.7/36

All: -172.814+/-104.914 χ^2/NDF: 119.8/68

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: 681.515+/-0.134 χ^2/NDF:400259.7/15

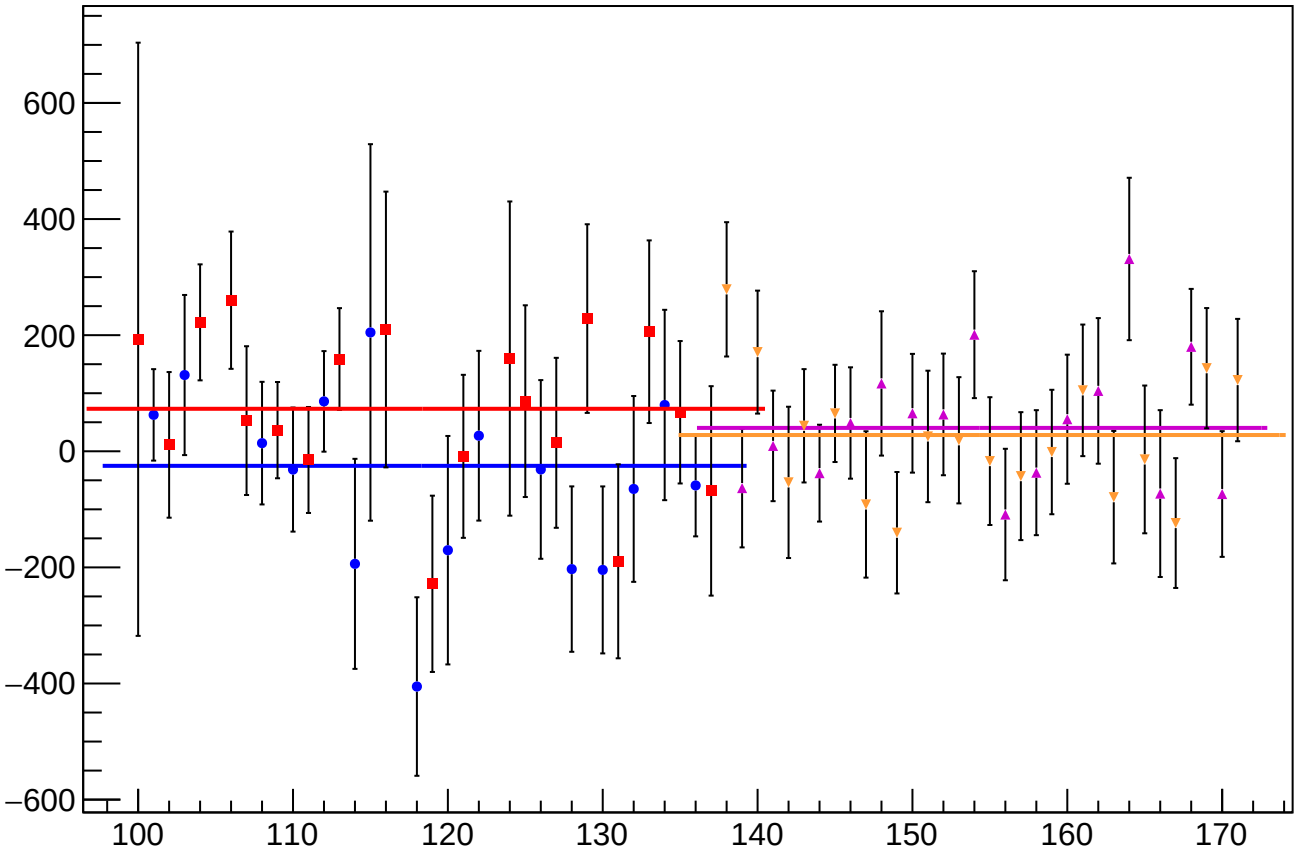
Left: 679.184+/-0.093 χ^2/NDF: 964987.7/33

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 667.422+/-0.108 χ^2/NDF:2306662.7/31

Out: 649.716+/-0.102 χ^2/NDF:2757552.6/36

All: 658.094+/-0.074 χ^2/NDF: 5078414.8/68



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: 40.267+/-26.842 χ^2/NDF:15.2/15

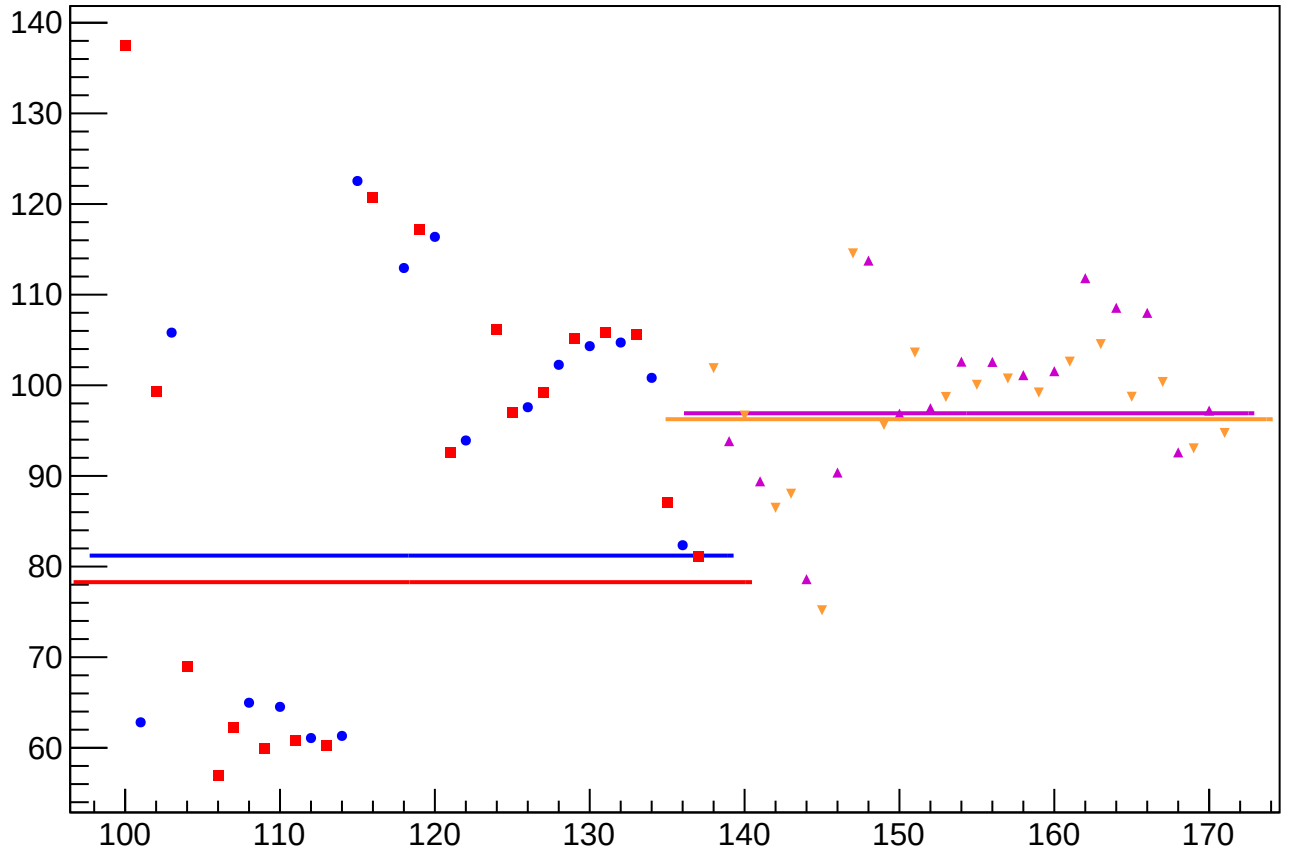
Left: 33.857+/-18.548 χ^2/NDF: 31.9/33

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 12.504+/-20.356 χ^2/NDF:33.9/31

Out: 47.139+/-19.482 χ^2/NDF:34.7/36

All: 30.582+/-14.075 χ^2/NDF: 70.1/68



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: 96.916+/-0.019 χ^2/NDF:231377.3/15

Left: 96.572+/-0.013 χ^2/NDF: 470497.7/33

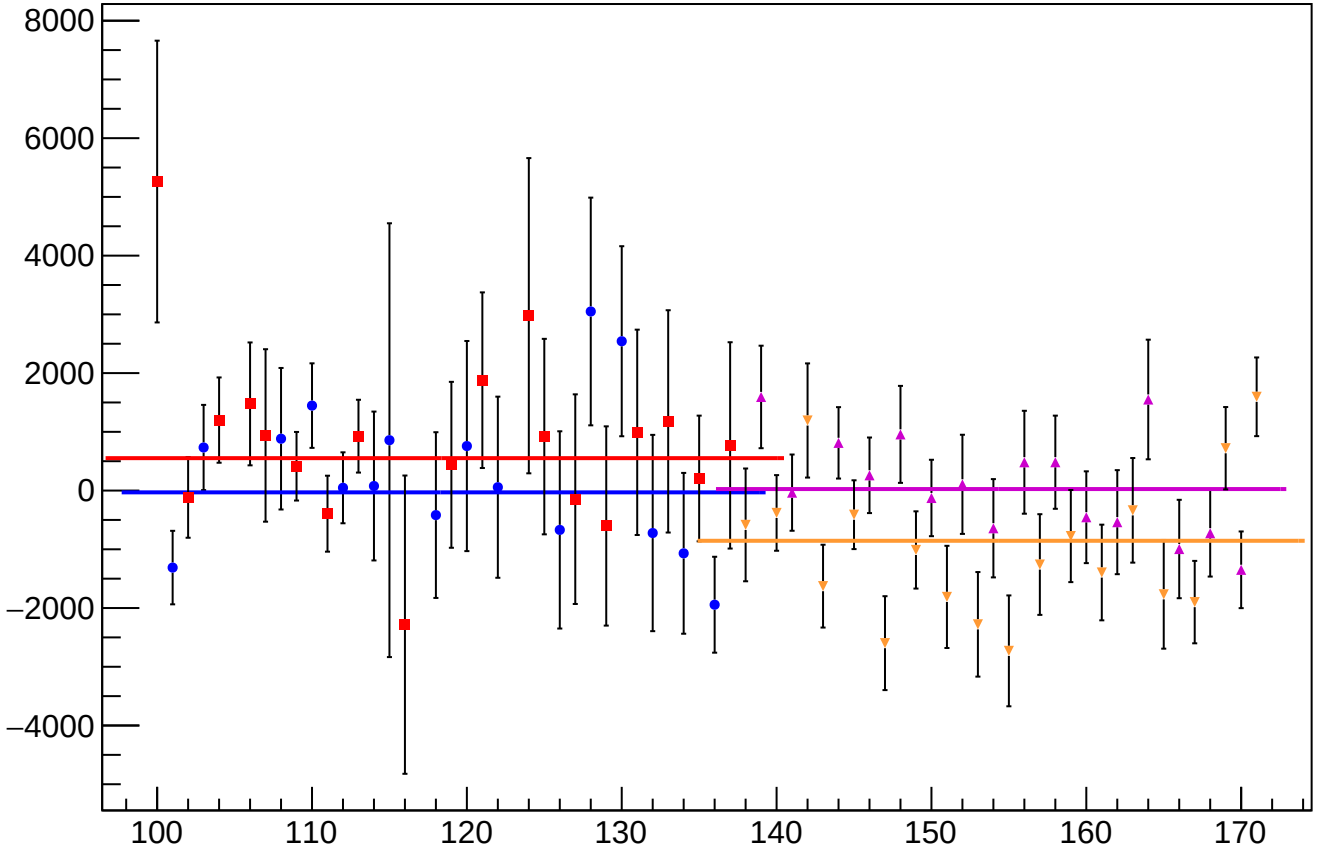
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.243+/-0.014 χ^2/NDF:1309991.6/31

Out: 88.644+/-0.014 χ^2/NDF:1591135.3/36

All: 89.408+/-0.010 χ^2/NDF: 2907566.8/68

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: 25.787+/-189.496 χ^2/NDF:17.6/15

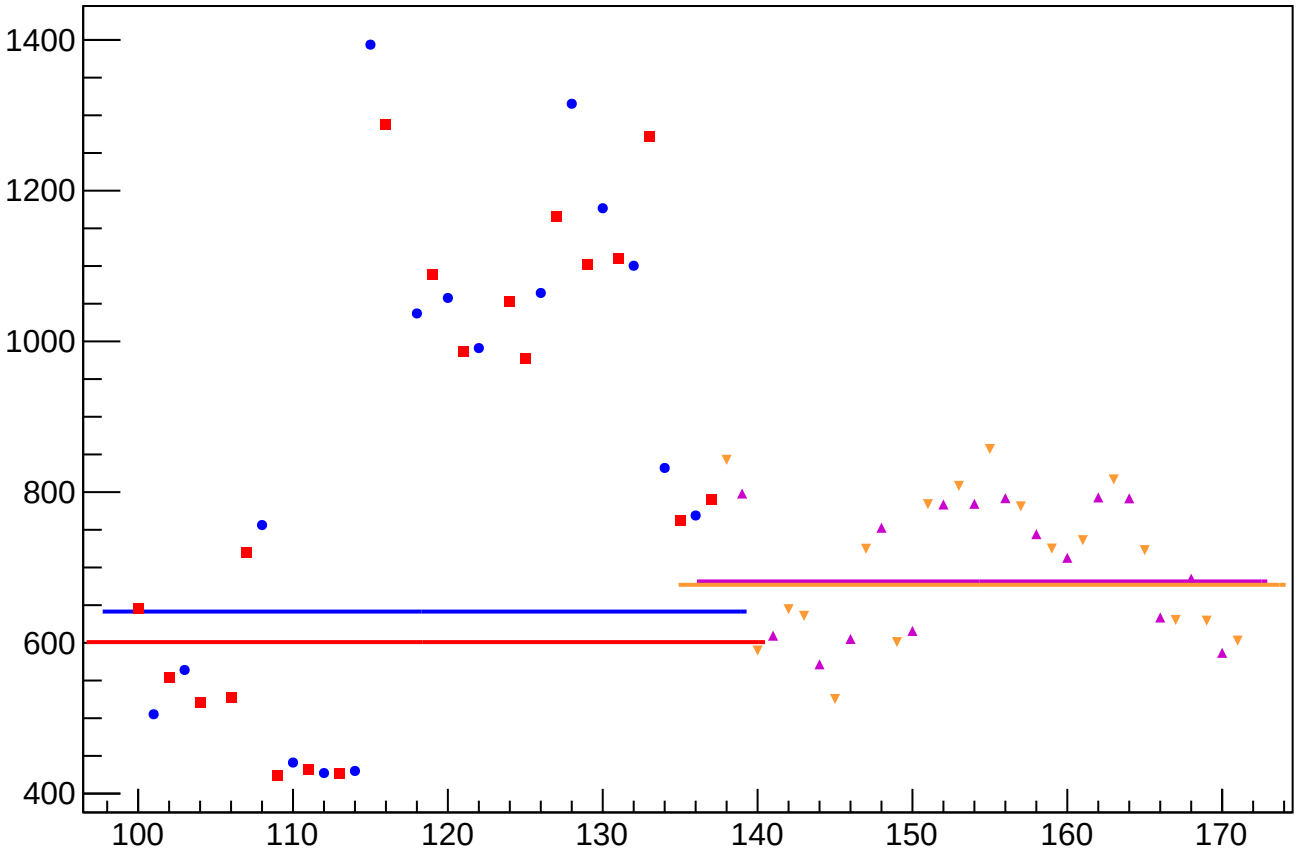
Left: -433.017+/-131.159 χ^2/NDF: 70.8/33

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 5.987+/-152.519 χ^2/NDF:39.5/31

Out: -338.569+/-144.577 χ^2/NDF:76.8/36

All: -175.496+/-104.927 χ^2/NDF: 119.0/68



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: 681.515+/-0.134 χ^2/NDF:400258.6/15

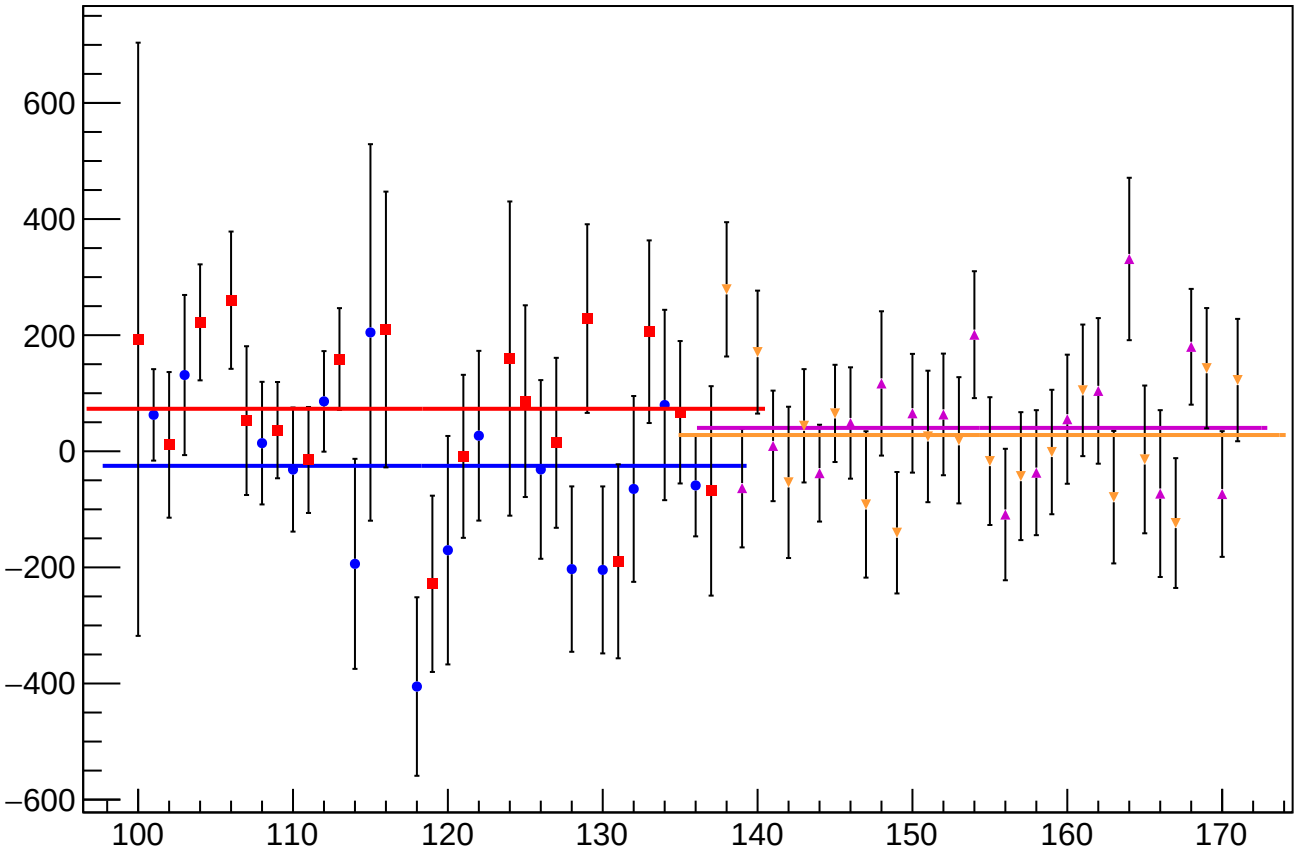
Left: 679.184+/-0.093 χ^2/NDF: 964988.0/33

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 667.425+/-0.108 χ^2/NDF:2306606.4/31

Out: 649.122+/-0.102 χ^2/NDF:2769994.6/36

All: 657.784+/-0.074 χ^2/NDF: 5091772.6/68



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: 40.267+/-26.842 χ^2/NDF:15.2/15

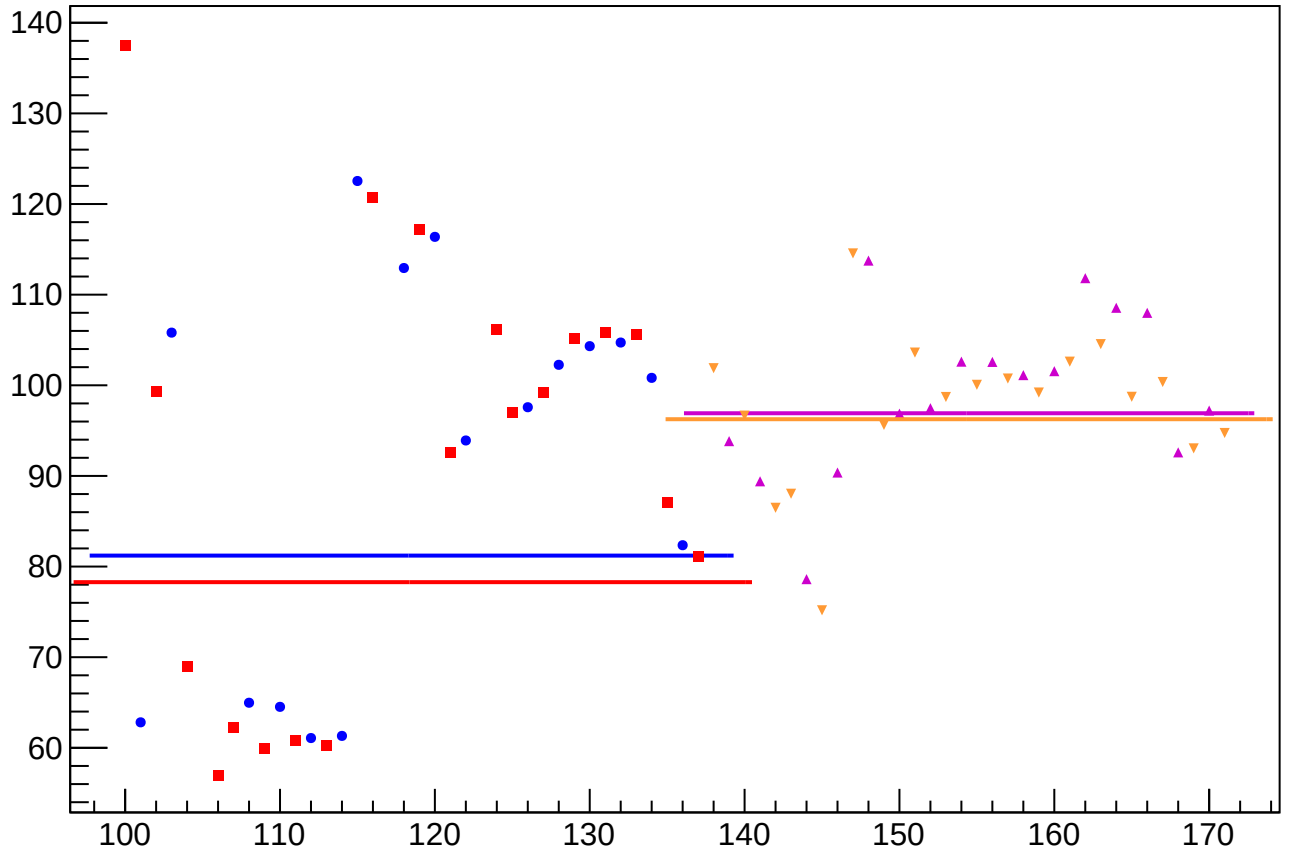
Left: 33.857+/-18.548 χ^2/NDF: 31.9/33

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 12.504+/-20.356 χ^2/NDF:33.9/31

Out: 47.139+/-19.482 χ^2/NDF:34.7/36

All: 30.582+/-14.075 χ^2/NDF: 70.1/68



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: 96.916+/-0.019 χ^2/NDF:231377.3/15

Left: 96.572+/-0.013 χ^2/NDF: 470497.7/33

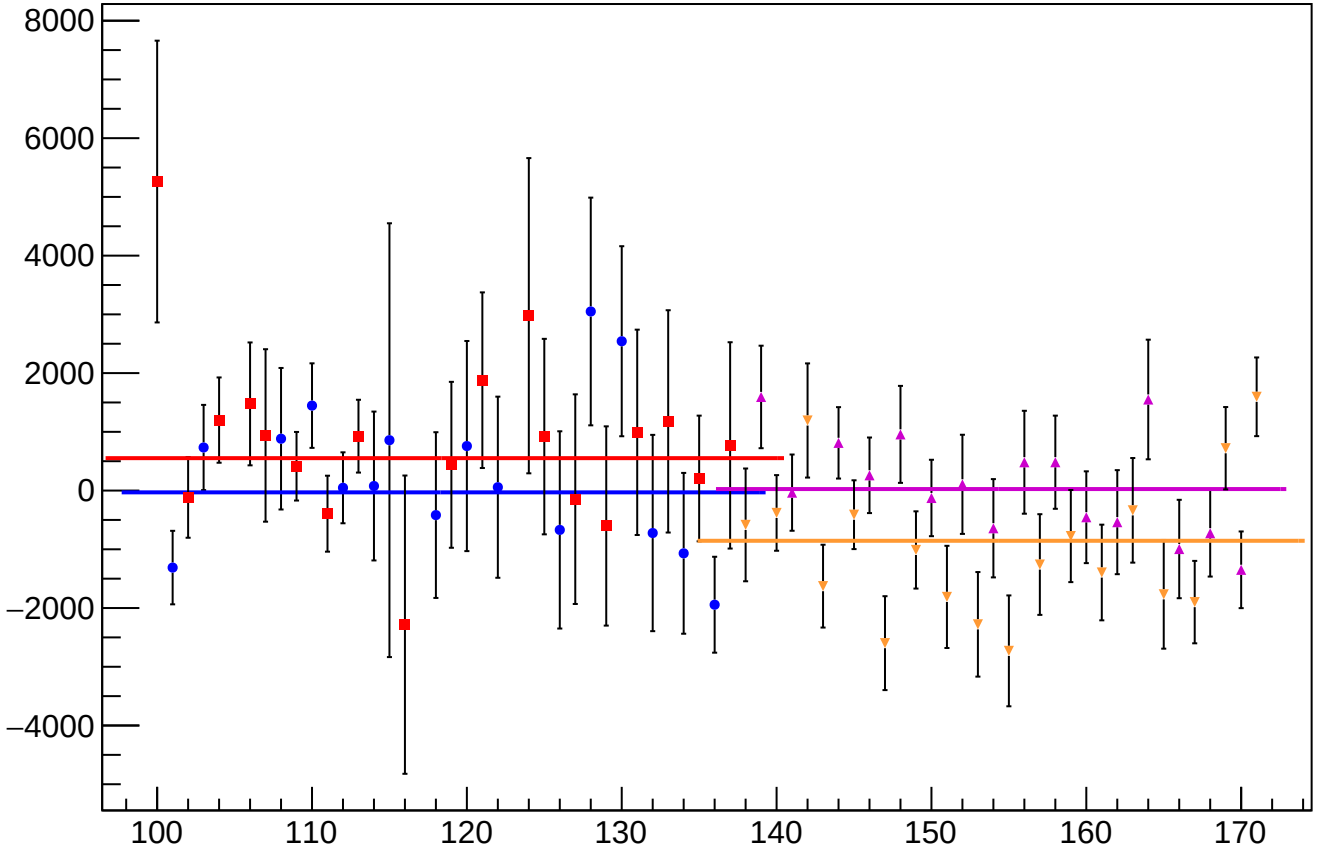
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.243+/-0.014 χ^2/NDF:1309991.6/31

Out: 88.644+/-0.014 χ^2/NDF:1591135.3/36

All: 89.408+/-0.010 χ^2/NDF: 2907566.8/68

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: 25.787+/-189.496 χ^2/NDF:17.6/15

Left: -433.017+/-131.159 χ^2/NDF: 70.8/33

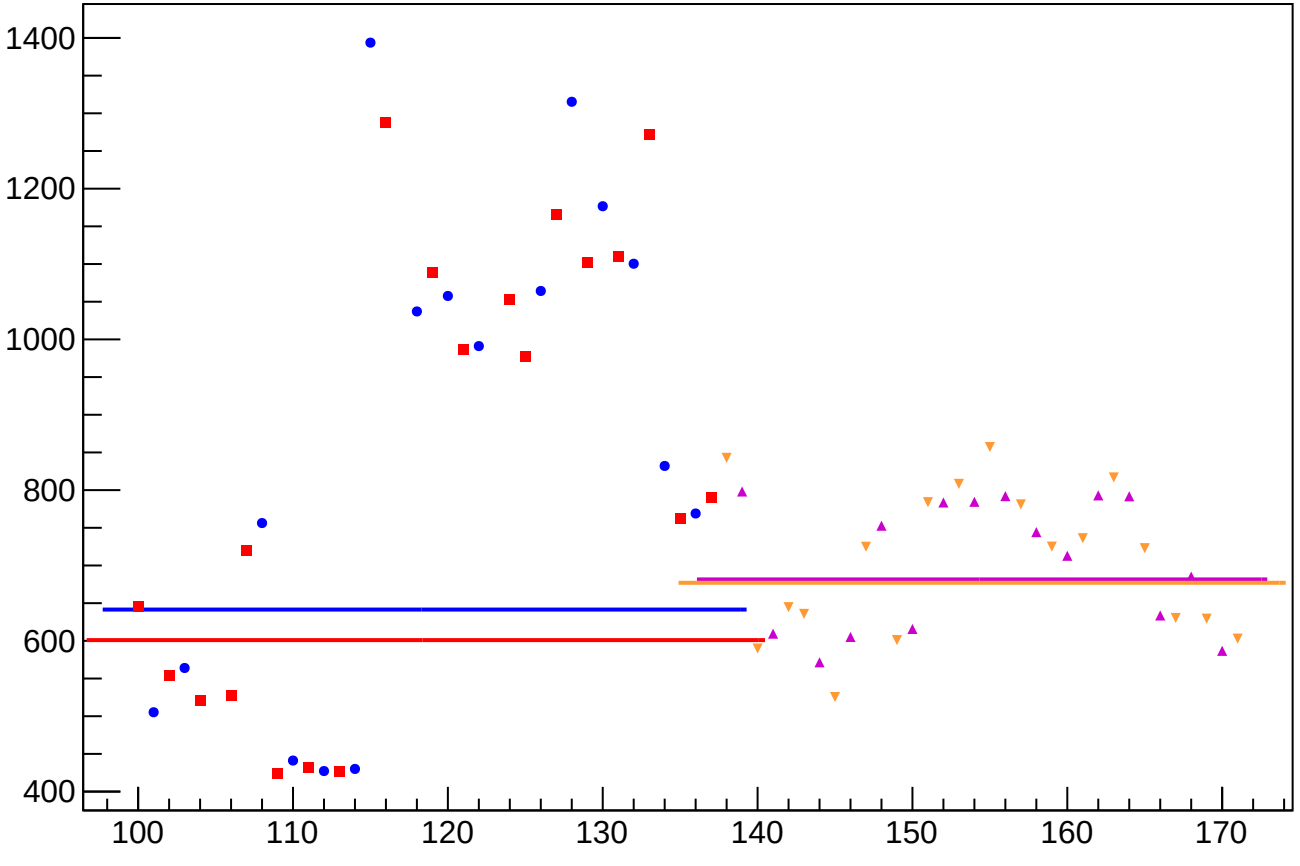
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 5.987+/-152.519 χ^2/NDF:39.5/31

Out: -338.569+/-144.577 χ^2/NDF:76.8/36

All: -175.496+/-104.927 χ^2/NDF: 119.0/68

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: 681.515+/-0.134 χ^2/NDF:400258.6/15

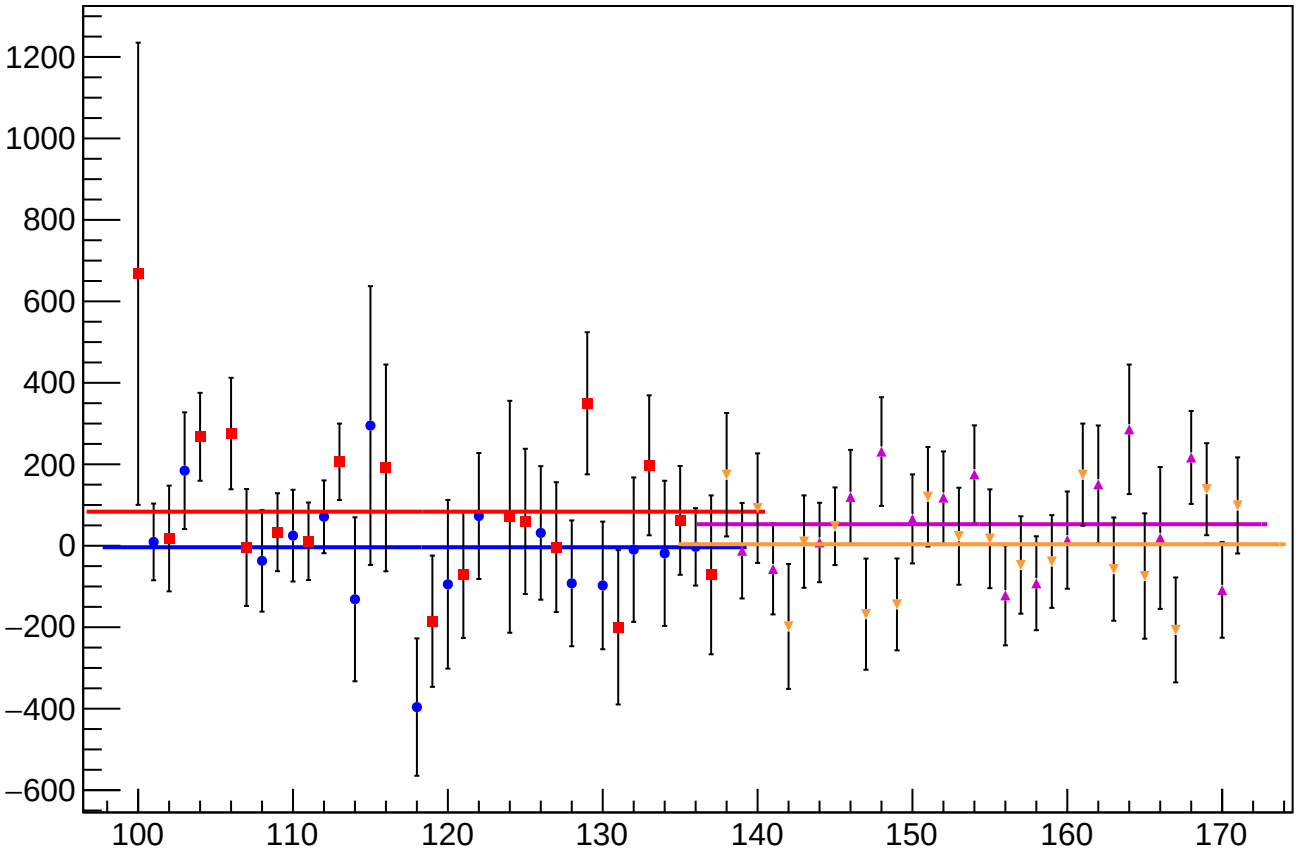
Left: 679.184+/-0.093 χ^2/NDF: 964988.0/33

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 667.425+/-0.108 χ^2/NDF:2306606.4/31

Out: 649.122+/-0.102 χ^2/NDF:2769994.6/36

All: 657.784+/-0.074 χ^2/NDF: 5091772.6/68



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: 52.890+/-30.122 χ^2/NDF:15.3/15

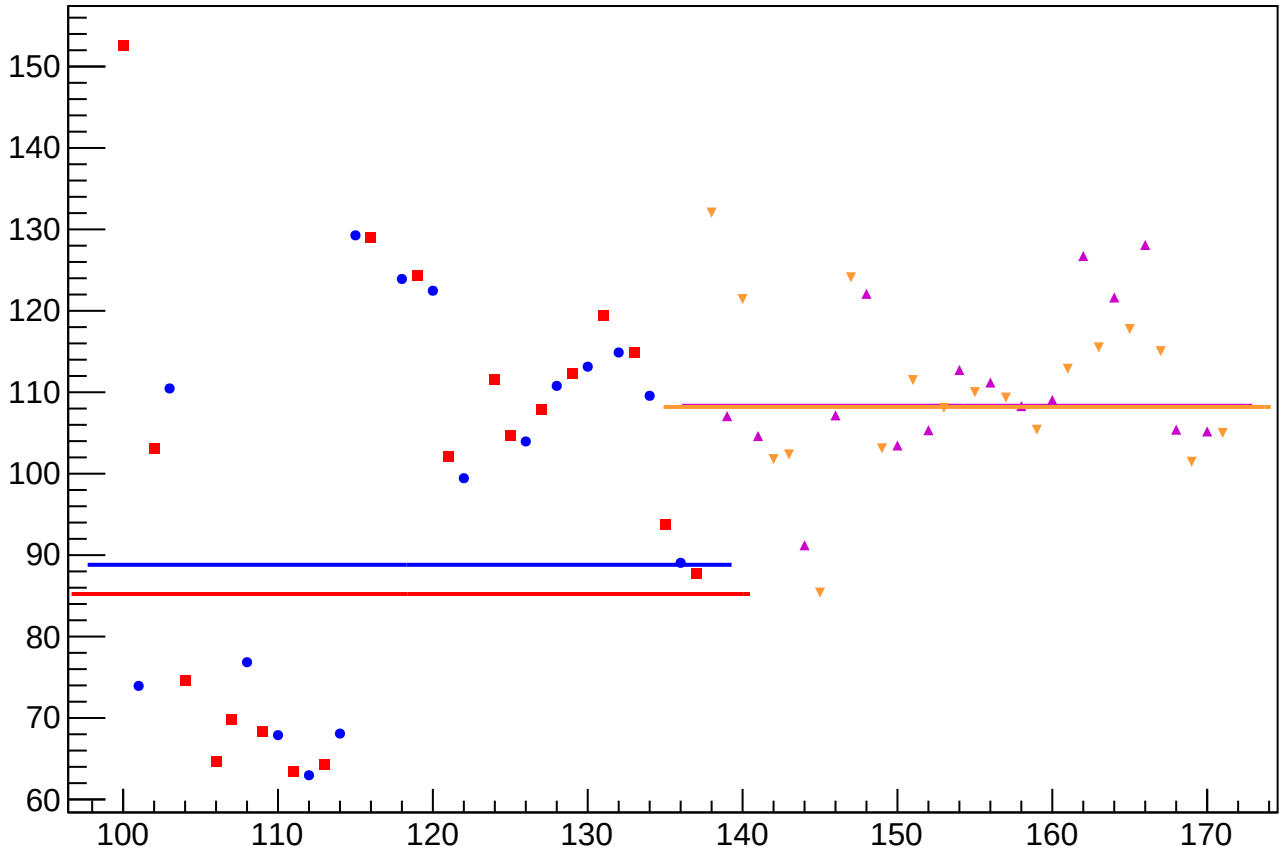
Left: 27.372+/-20.876 χ^2/NDF: 32.0/33

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 28.158+/-22.591 χ^2/NDF:27.2/31

Out: 38.983+/-21.660 χ^2/NDF:37.7/36

All: 33.798+/-15.634 χ^2/NDF: 65.0/68



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: 108.339+/-0.021 χ^2/NDF:169826.9/15

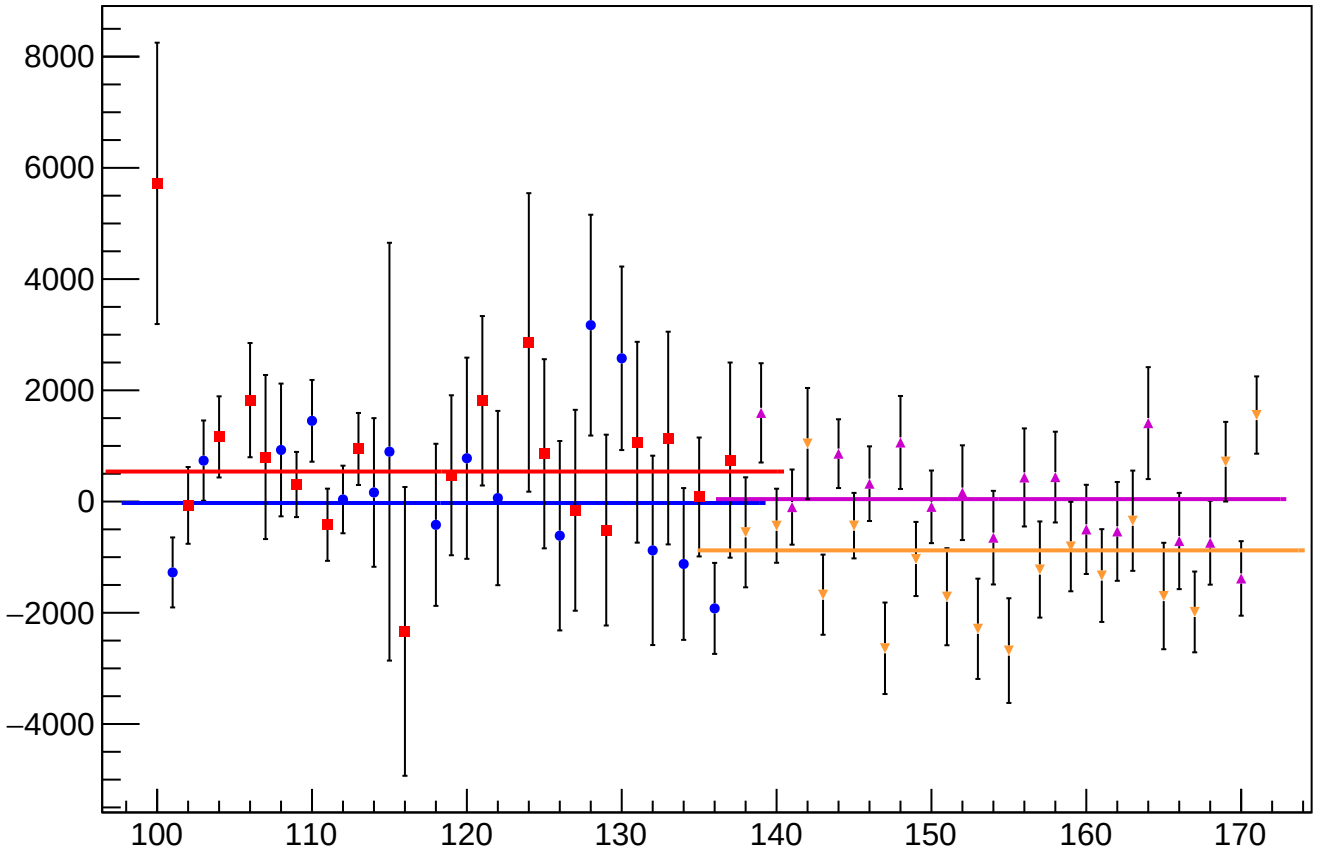
Left: 108.266+/-0.015 χ^2/NDF: 428071.1/33

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

In: 99.796+/-0.016 χ^2/NDF:1262123.5/31

Out: 98.077+/-0.015 χ^2/NDF:1696866.4/36

All: 98.900+/-0.011 χ^2/NDF: 2965018.2/68



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: 43.821+/-193.301 χ^2/NDF:16.7/15

Left: -435.948+/-133.855 χ^2/NDF: 67.4/33

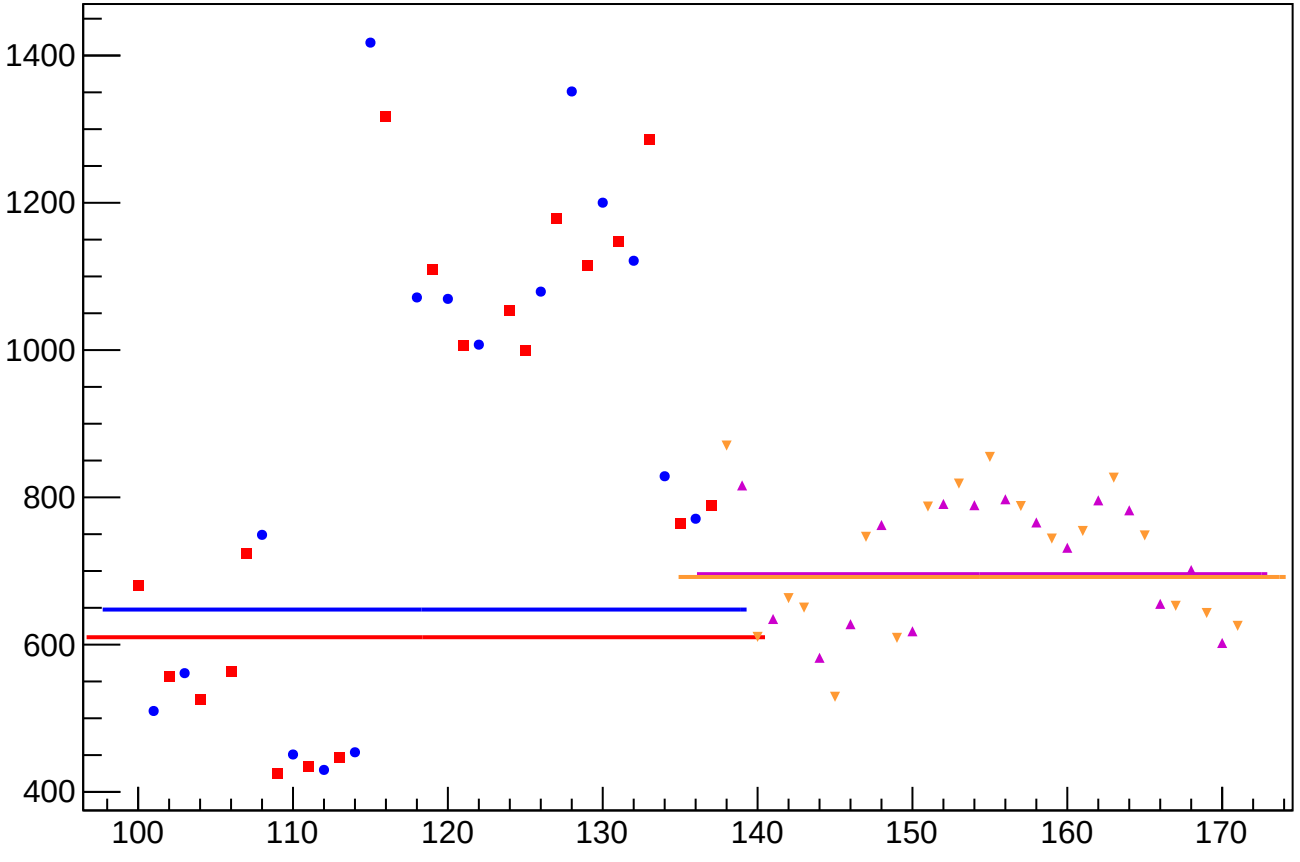
Right: 277.418+/-176.654 χ^2/NDF: 37.7/34

In: 18.975+/-154.999 χ^2/NDF:38.3/31

Out: -351.078+/-147.070 χ^2/NDF:74.1/36

All: -175.757+/-106.687 χ^2/NDF: 115.5/68

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 691.892+/-0.131 χ^2/NDF:548717.8/17

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 695.715+/-0.137 χ^2/NDF:360452.2/15

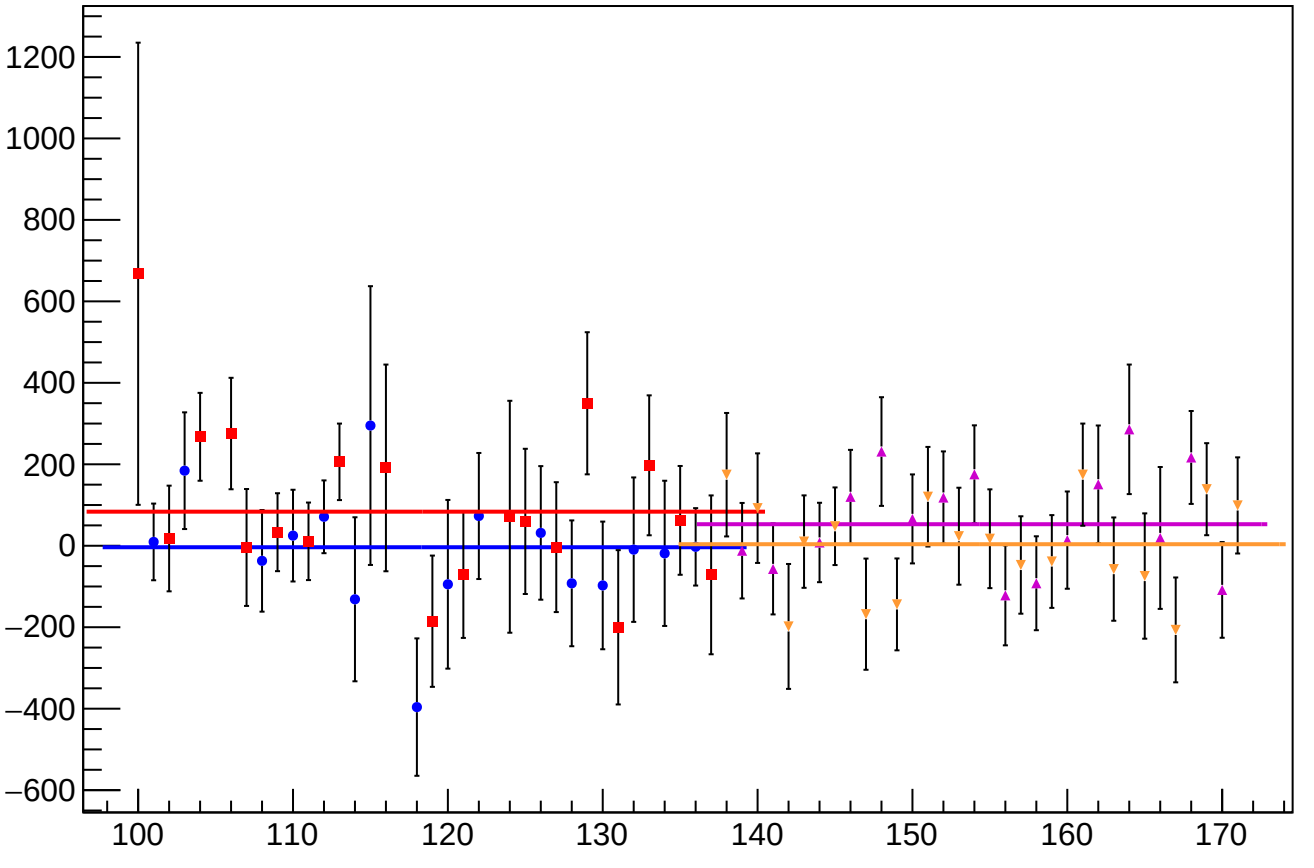
Left: 693.725+/-0.095 χ^2/NDF: 909577.2/33

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 678.551+/-0.110 χ^2/NDF:2292436.0/31

Out: 661.478+/-0.104 χ^2/NDF:2767565.4/36

All: 669.567+/-0.075 χ^2/NDF: 5072770.9/68



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: 52.890+/-30.122 χ^2/NDF:15.3/15

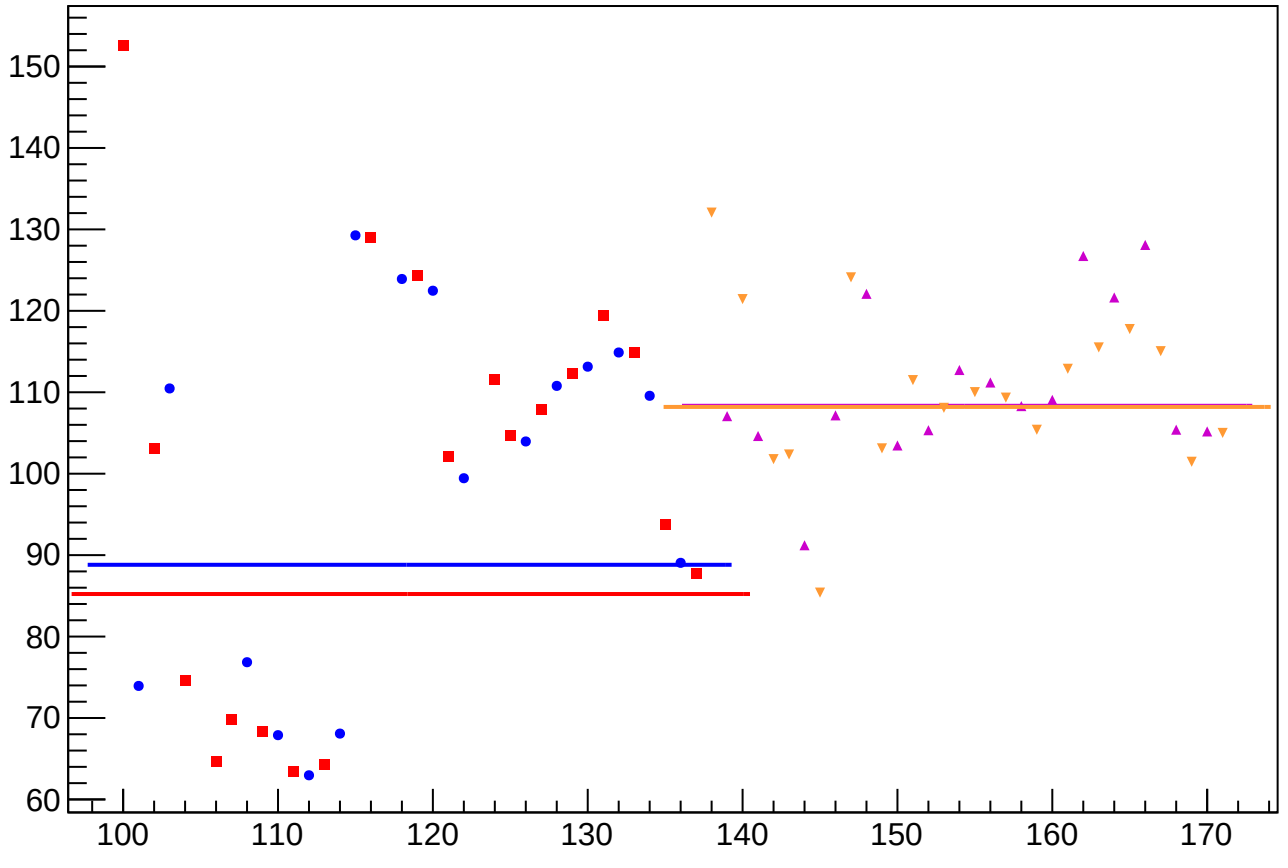
Left: 27.373+/-20.876 χ^2/NDF: 32.0/33

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 28.159+/-22.591 χ^2/NDF:27.2/31

Out: 38.984+/-21.660 χ^2/NDF:37.7/36

All: 33.799+/-15.634 χ^2/NDF: 65.0/68



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: 108.339+/-0.021 χ^2/NDF:169825.2/15

Left: 108.266+/-0.015 χ^2/NDF: 428067.9/33

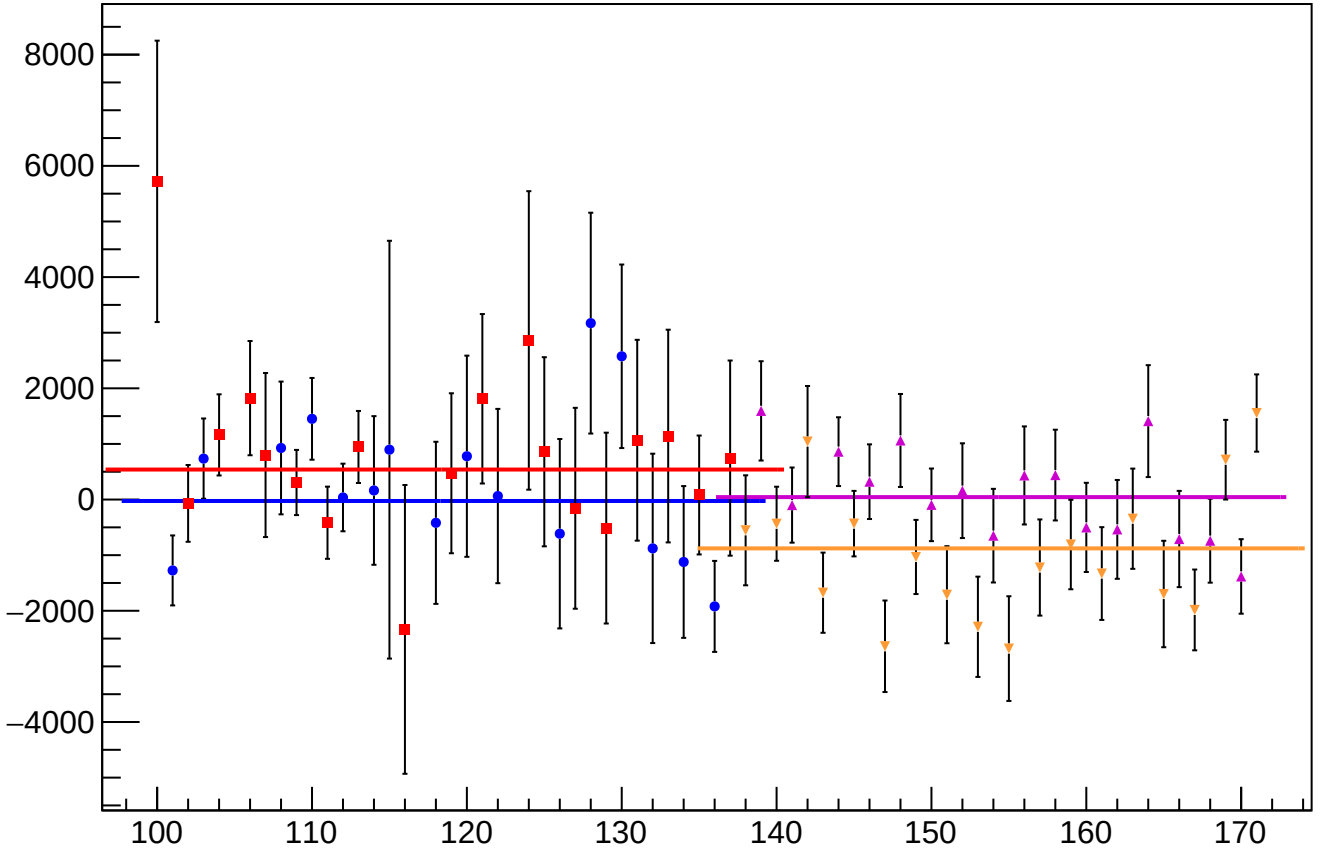
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 99.796+/-0.016 χ^2/NDF:1262128.3/31

Out: 98.077+/-0.015 χ^2/NDF:1696875.6/36

All: 98.900+/-0.011 χ^2/NDF: 2965032.3/68

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: 43.821+/-193.301 χ^2/NDF:16.7/15

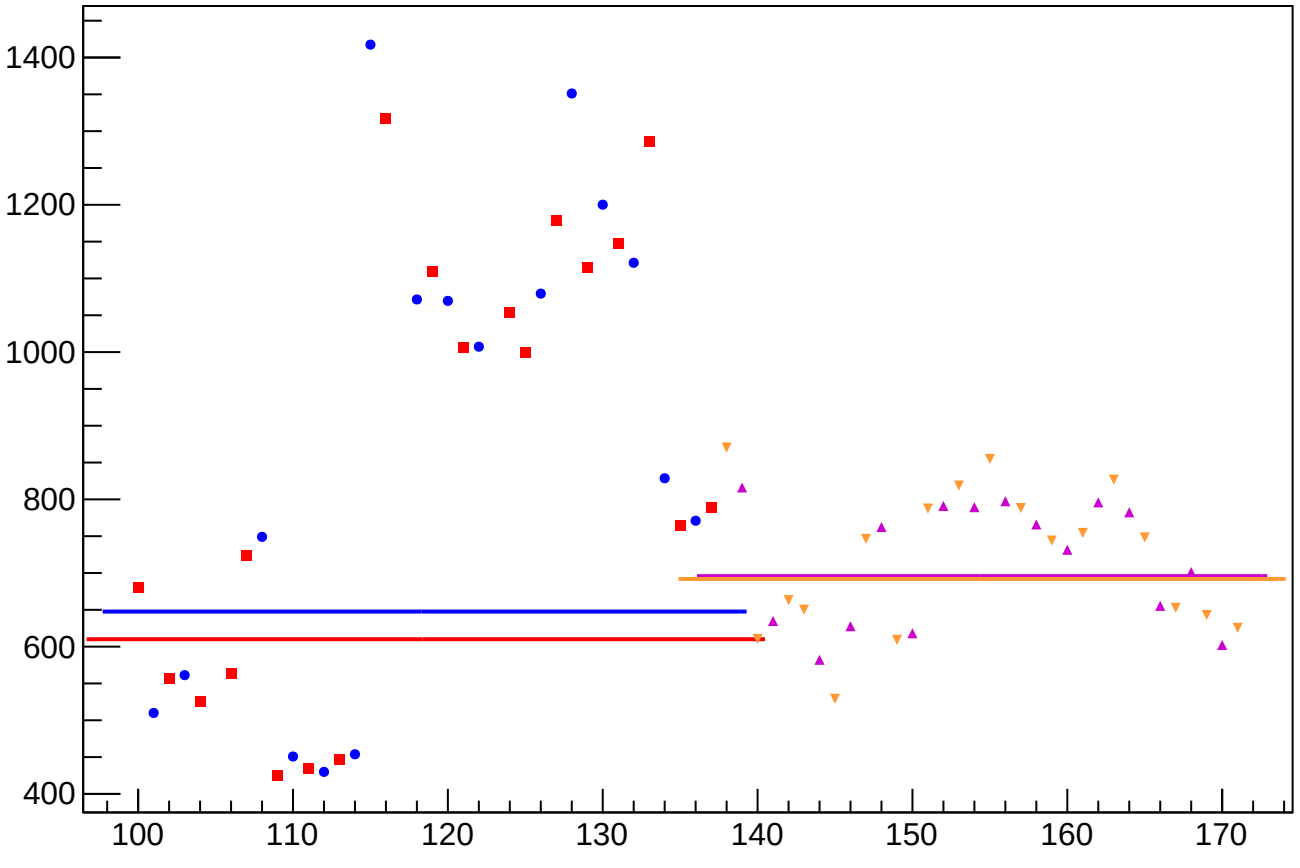
Left: -435.948+/-133.855 χ^2/NDF: 67.4/33

Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 18.974+/-154.998 χ^2/NDF:38.3/31

Out: -351.077+/-147.070 χ^2/NDF:74.1/36

All: -175.757+/-106.687 χ^2/NDF: 115.5/68



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: 695.715+/-0.137 χ^2/NDF:360450.6/15

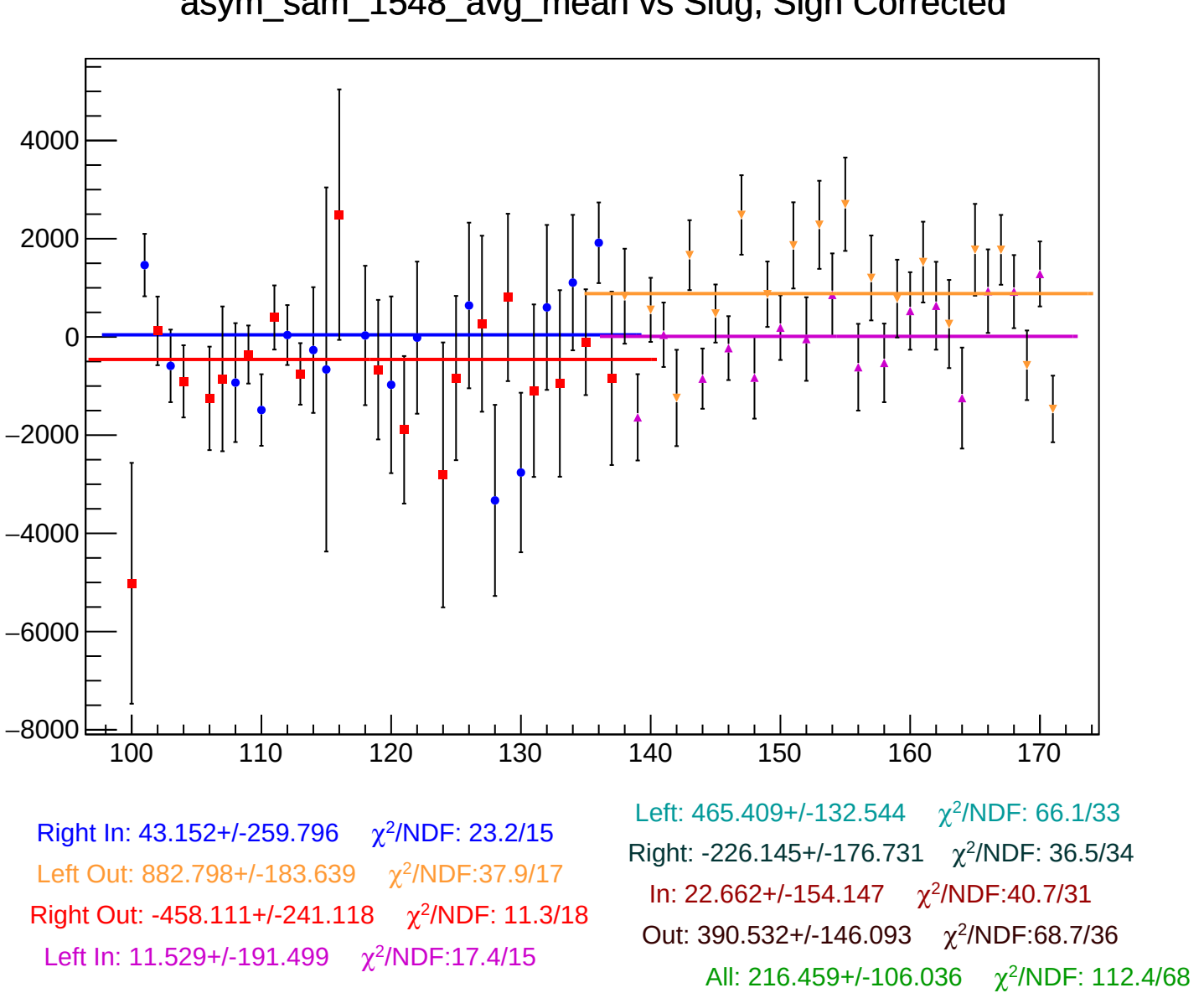
Left: 693.725+/-0.095 χ^2/NDF: 909577.2/33

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

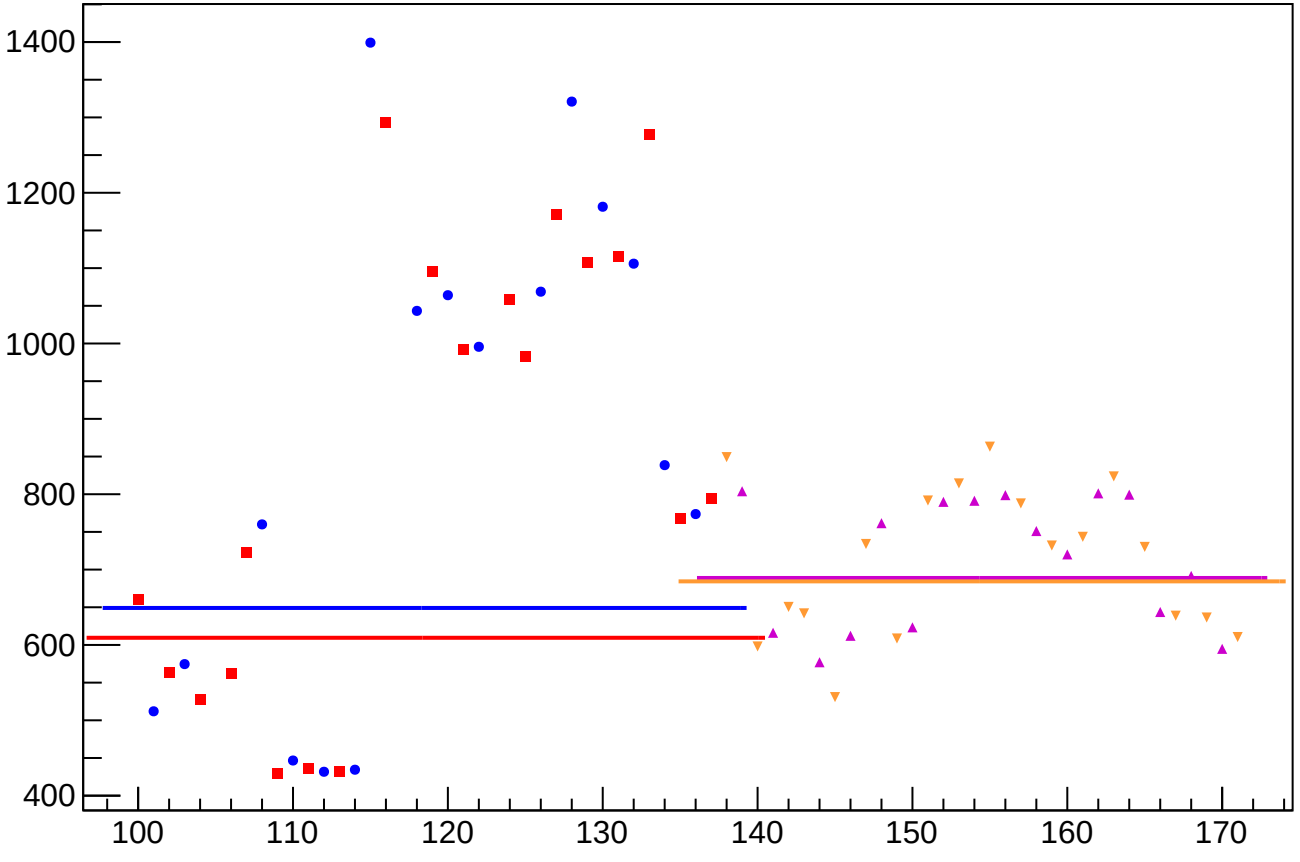
In: 678.550+/-0.110 χ^2/NDF:2292439.5/31

Out: 661.477+/-0.104 χ^2/NDF:2767570.5/36

All: 669.566+/-0.075 χ^2/NDF: 5072779.7/68


asym_sam_1548_avg_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: 43.152+/-259.796 χ²/NDF: 23.2/15
Left Out: 882.798+/-183.639 χ²/NDF:37.9/17
Right Out: -458.111+/-241.118 χ²/NDF: 11.3/18
Left In: 11.529+/-191.499 χ²/NDF:17.4/15
Left: 465.409+/-132.544 χ²/NDF: 66.1/33
Right: -226.145+/-176.731 χ²/NDF: 36.5/34
In: 22.662+/-154.147 χ²/NDF:40.7/31
Out: 390.532+/-146.093 χ²/NDF:68.7/36
All: 216.459+/-106.036 χ²/NDF: 112.4/68

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: 688.865+/-0.135 χ^2/NDF:392527.4/15

Left: 686.521+/-0.094 χ^2/NDF: 946653.5/33

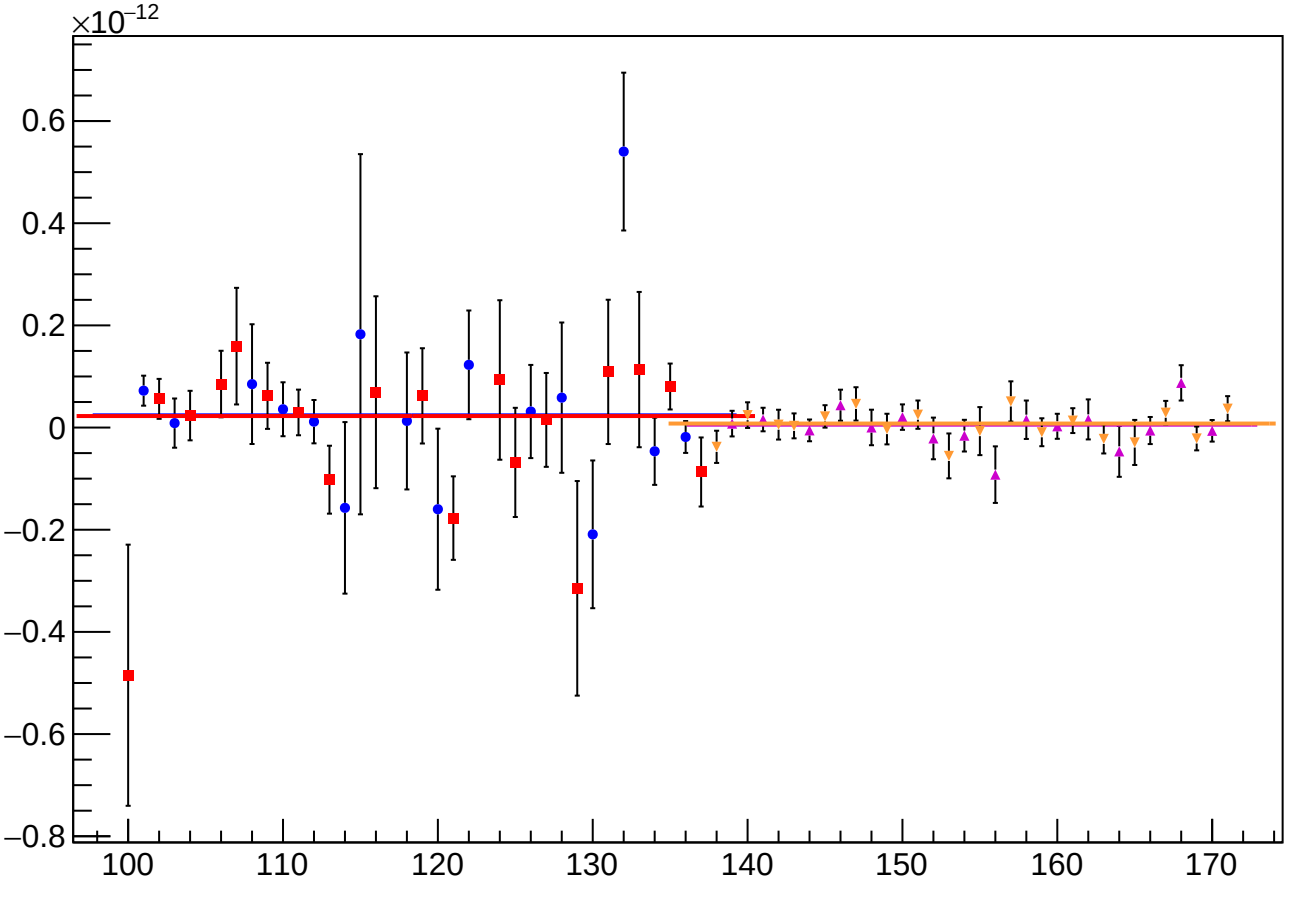
Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 674.862+/-0.109 χ^2/NDF:2268717.4/31

Out: 656.888+/-0.103 χ^2/NDF:2719118.4/36

All: 665.393+/-0.075 χ^2/NDF: 5002162.1/68

asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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:13.8/15

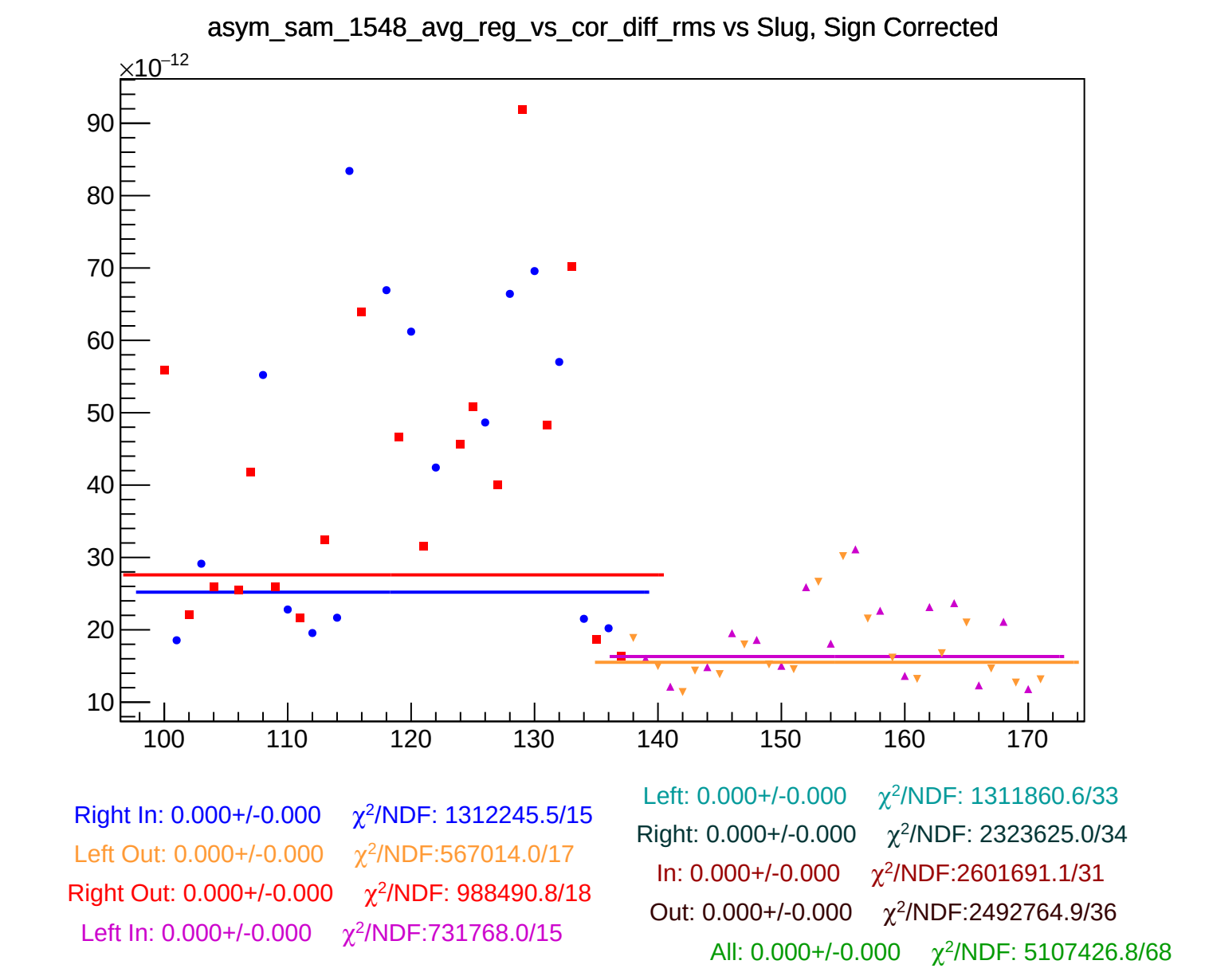
Left: 0.000+/-0.000 χ^2/NDF: 28.2/33

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

In: 0.000+/-0.000 χ^2/NDF:38.6/31

Out: 0.000+/-0.000 χ^2/NDF:40.7/36

All: 0.000+/-0.000 χ^2/NDF: 79.4/68


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
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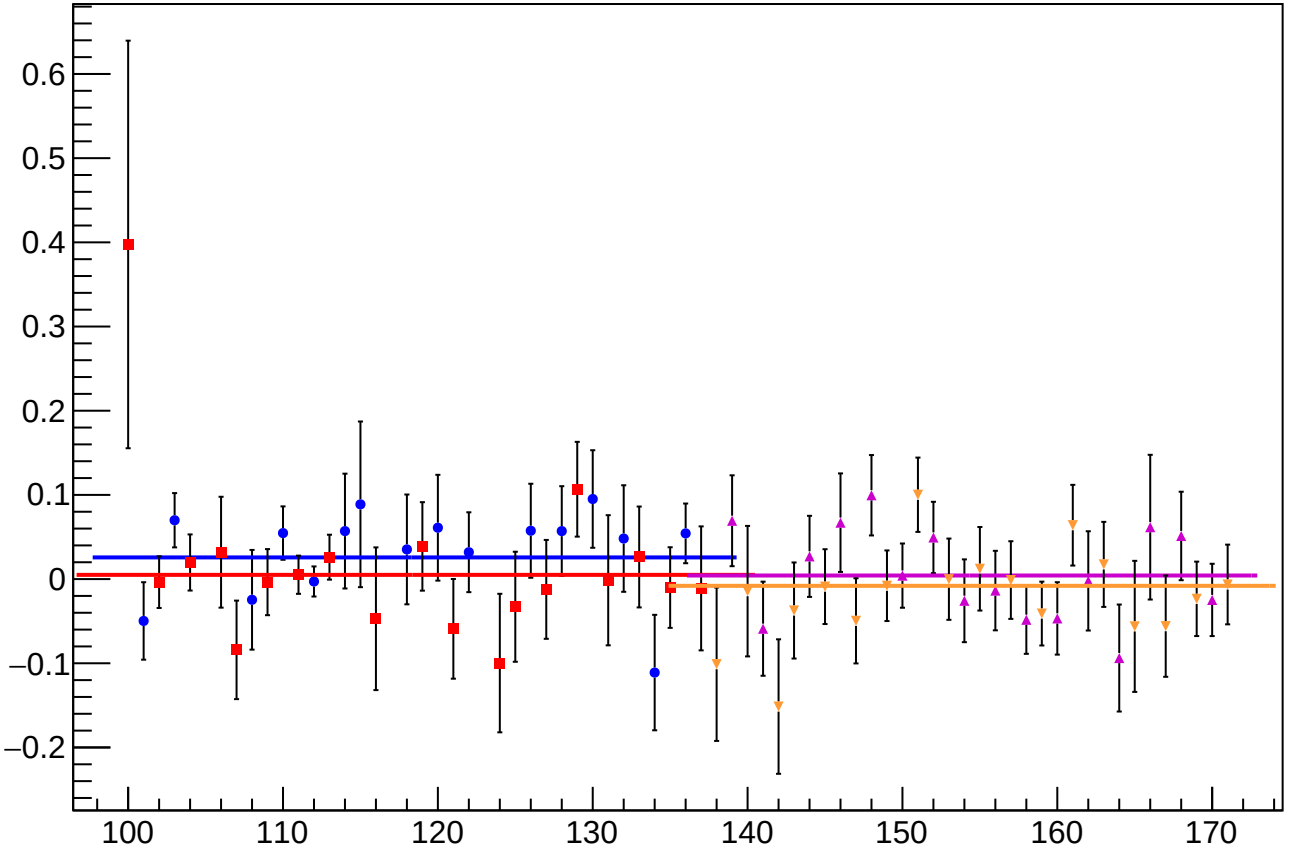
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:567014.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:731768.0/15
Left: 0.000+/-0.000 χ²/NDF: 1311860.6/33
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2601691.1/31
Out: 0.000+/-0.000 χ²/NDF:2492764.9/36
All: 0.000+/-0.000 χ²/NDF: 5107426.8/68

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: 0.004+/-0.012 χ^2/NDF:16.9/15

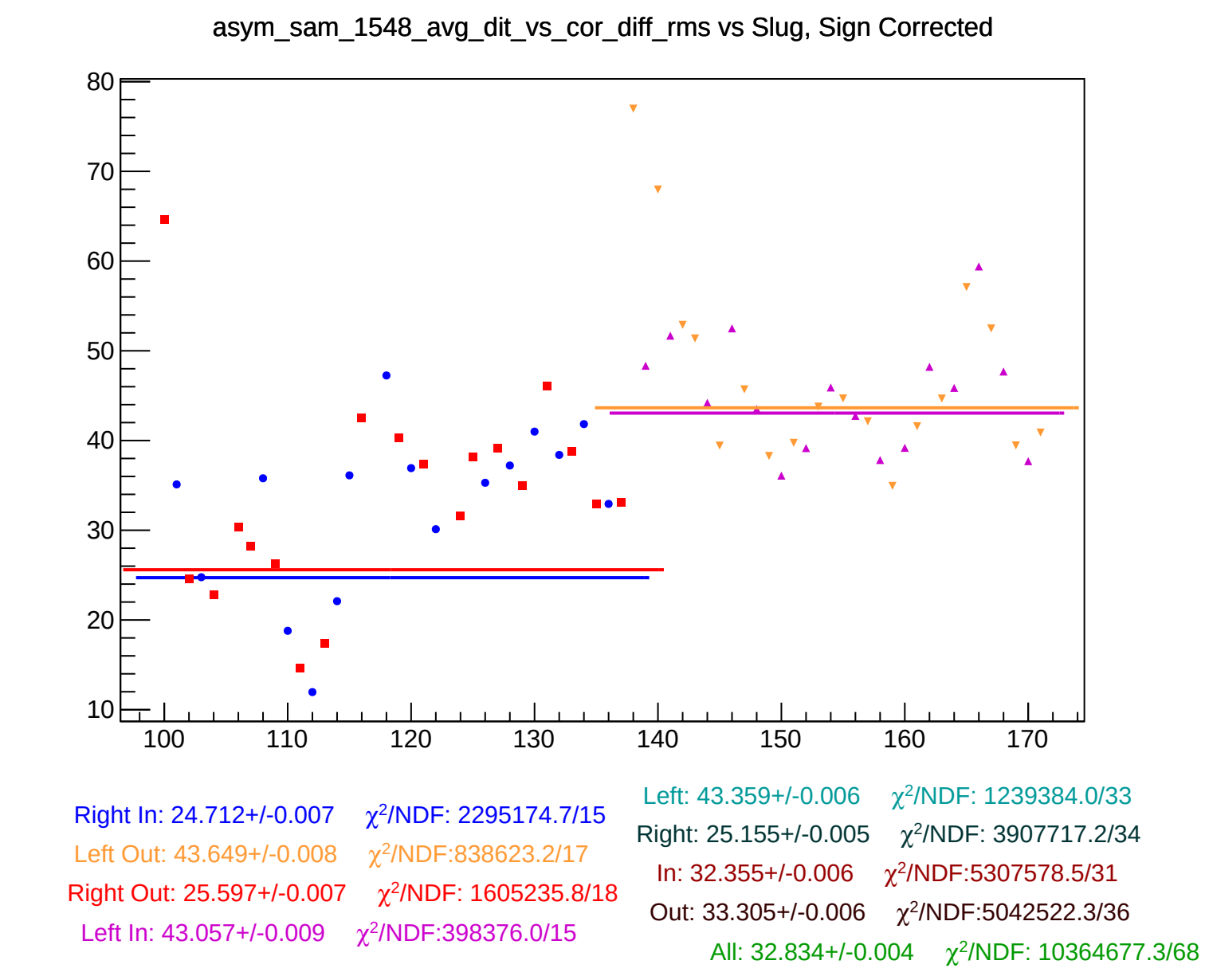
Left: -0.002+/-0.009 χ^2/NDF: 33.3/33

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

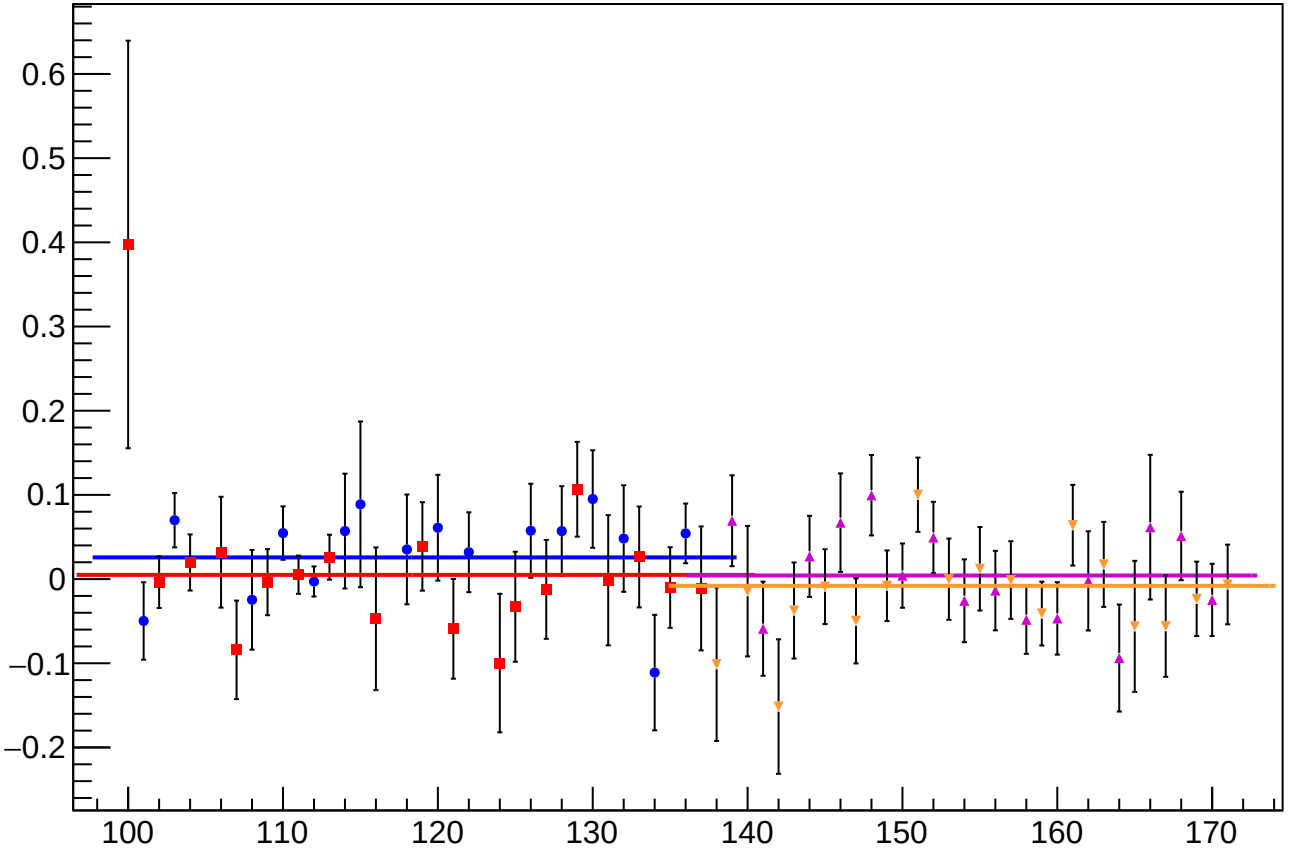
In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.001+/-0.008 χ^2/NDF:30.1/36

All: 0.008+/-0.006 χ^2/NDF: 67.8/68


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: 43.057+/-0.009 χ²/NDF:398376.0/15
Left: 43.359+/-0.006 χ²/NDF: 1239384.0/33
Right: 25.155+/-0.005 χ²/NDF: 3907717.2/34
In: 32.355+/-0.006 χ²/NDF:5307578.5/31
Out: 33.305+/-0.006 χ²/NDF:5042522.3/36
All: 32.834+/-0.004 χ²/NDF: 10364677.3/68

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.008+/-0.012 χ^2/NDF:15.8/17

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.012 χ^2/NDF:16.9/15

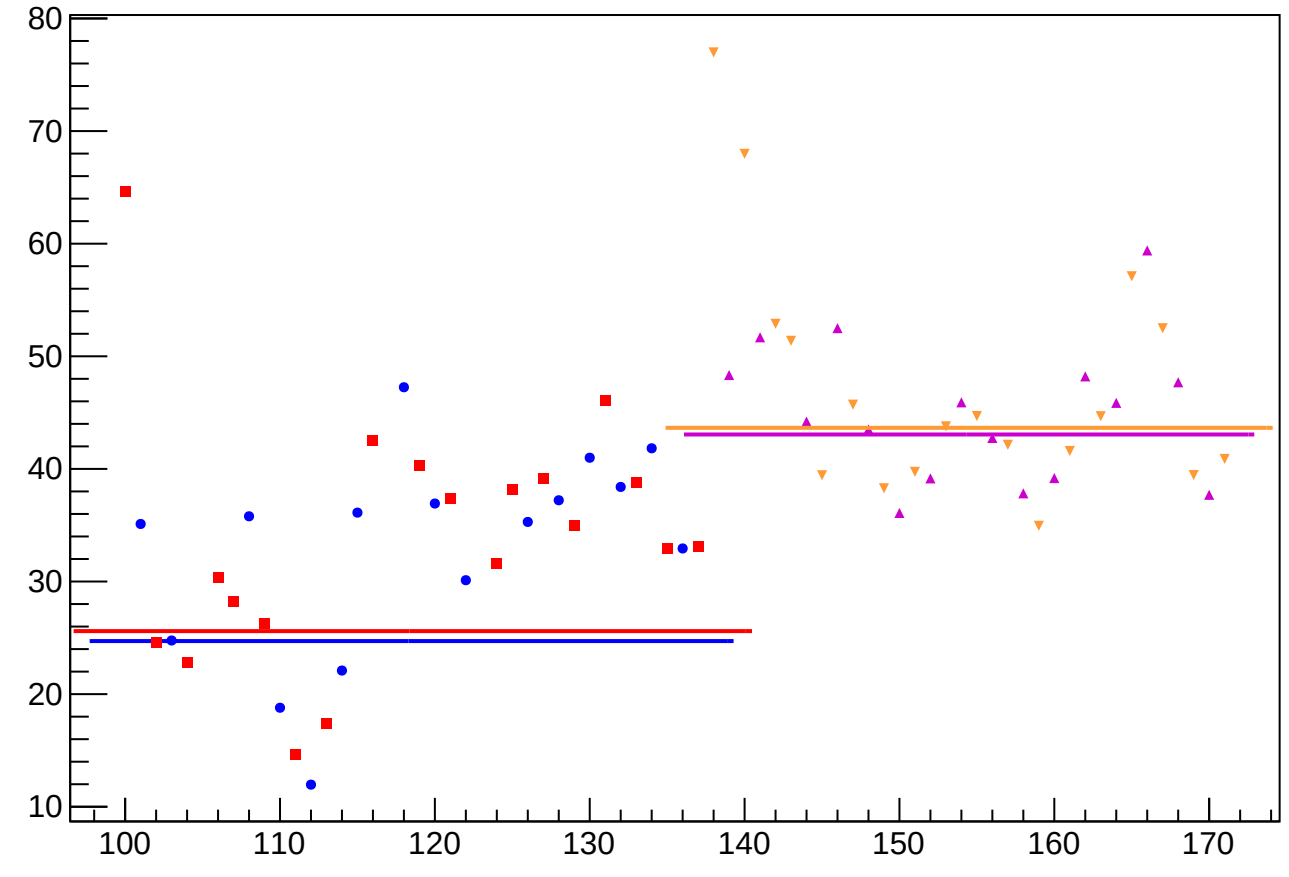
Left: -0.002+/-0.009 χ^2/NDF: 33.3/33

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.001+/-0.008 χ^2/NDF:30.1/36

All: 0.008+/-0.006 χ^2/NDF: 67.8/68



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: 43.057+/-0.009 χ^2/NDF:398376.0/15

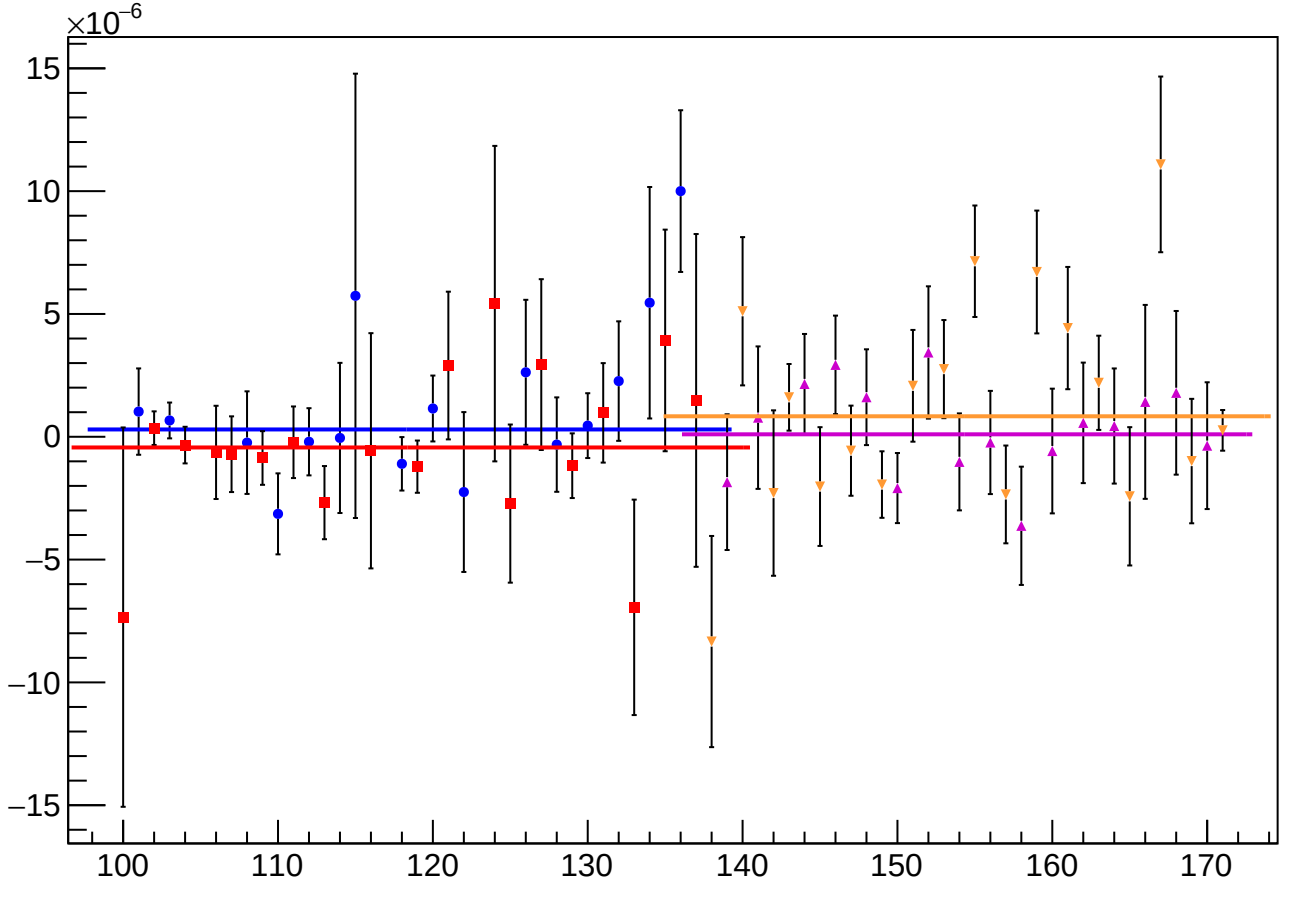
Left: 43.359+/-0.006 χ^2/NDF: 1239384.0/33

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.355+/-0.006 χ^2/NDF:5307578.5/31

Out: 33.305+/-0.006 χ^2/NDF:5042522.3/36

All: 32.834+/-0.004 χ^2/NDF: 10364677.3/68



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:11.3/15

Left: 0.000+/-0.000 χ^2/NDF: 56.5/33

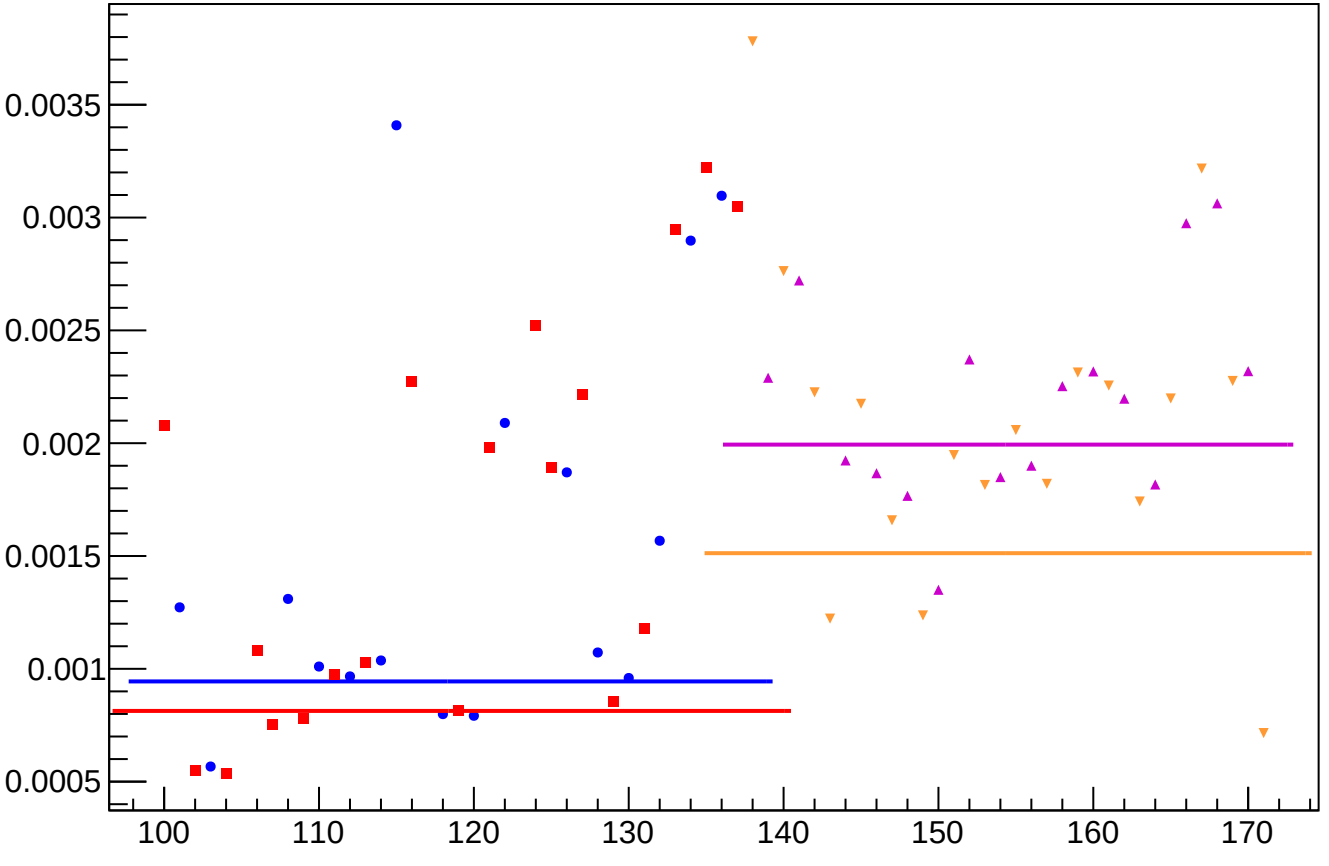
Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

In: 0.000+/-0.000 χ^2/NDF:30.7/31

Out: 0.000+/-0.000 χ^2/NDF:62.0/36

All: 0.000+/-0.000 χ^2/NDF: 92.9/68

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2665853.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:4630334.7/17

Right Out: 0.001+/-0.000 χ^2/NDF: 3244147.3/18

Left In: 0.002+/-0.000 χ^2/NDF:1089343.0/15

Left: 0.002+/-0.000 χ^2/NDF: 6612472.1/33

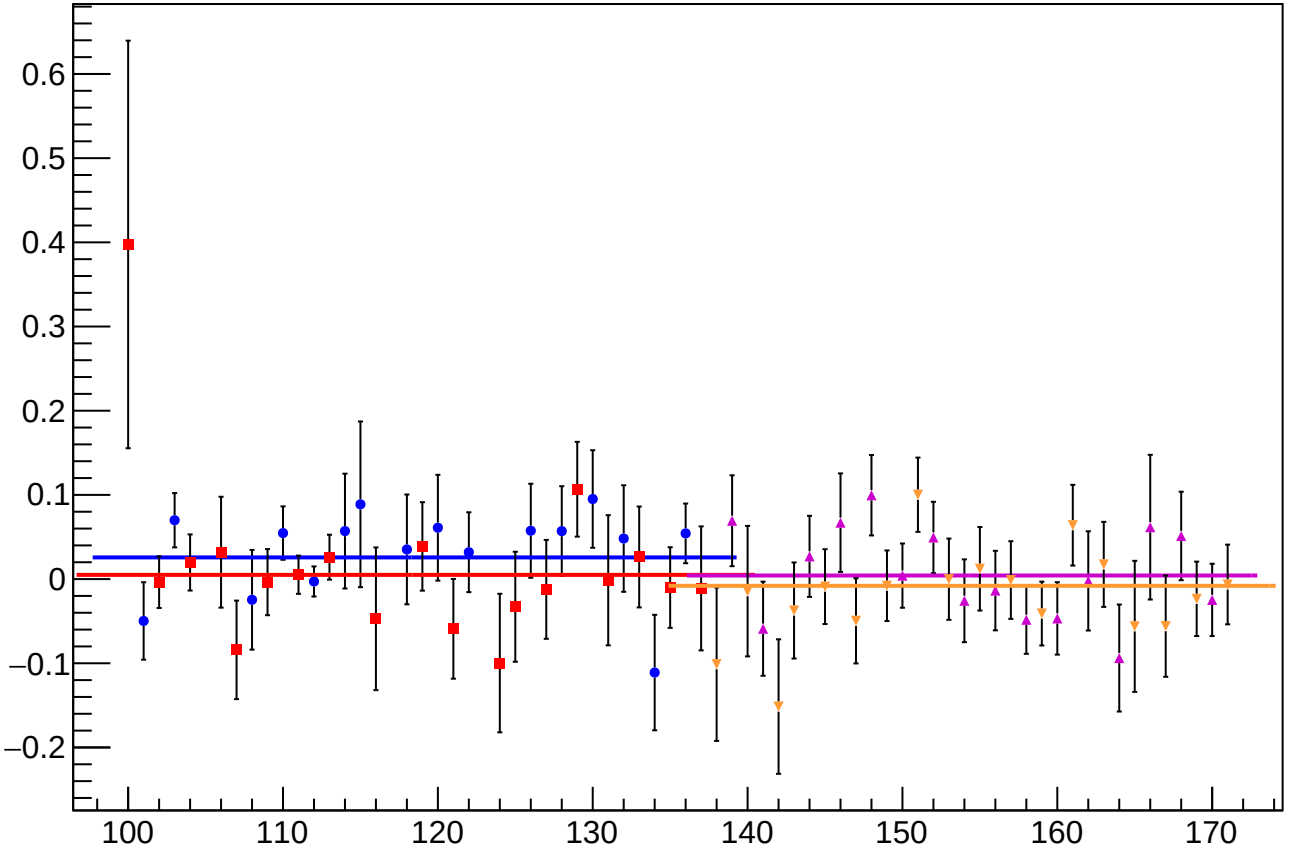
Right: 0.001+/-0.000 χ^2/NDF: 6033376.9/34

In: 0.001+/-0.000 χ^2/NDF:8307496.7/31

Out: 0.001+/-0.000 χ^2/NDF:11008114.6/36

All: 0.001+/-0.000 χ^2/NDF: 19847177.9/68

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: 0.004+/-0.012 χ^2/NDF:16.9/15

Left: -0.002+/-0.009 χ^2/NDF: 33.3/33

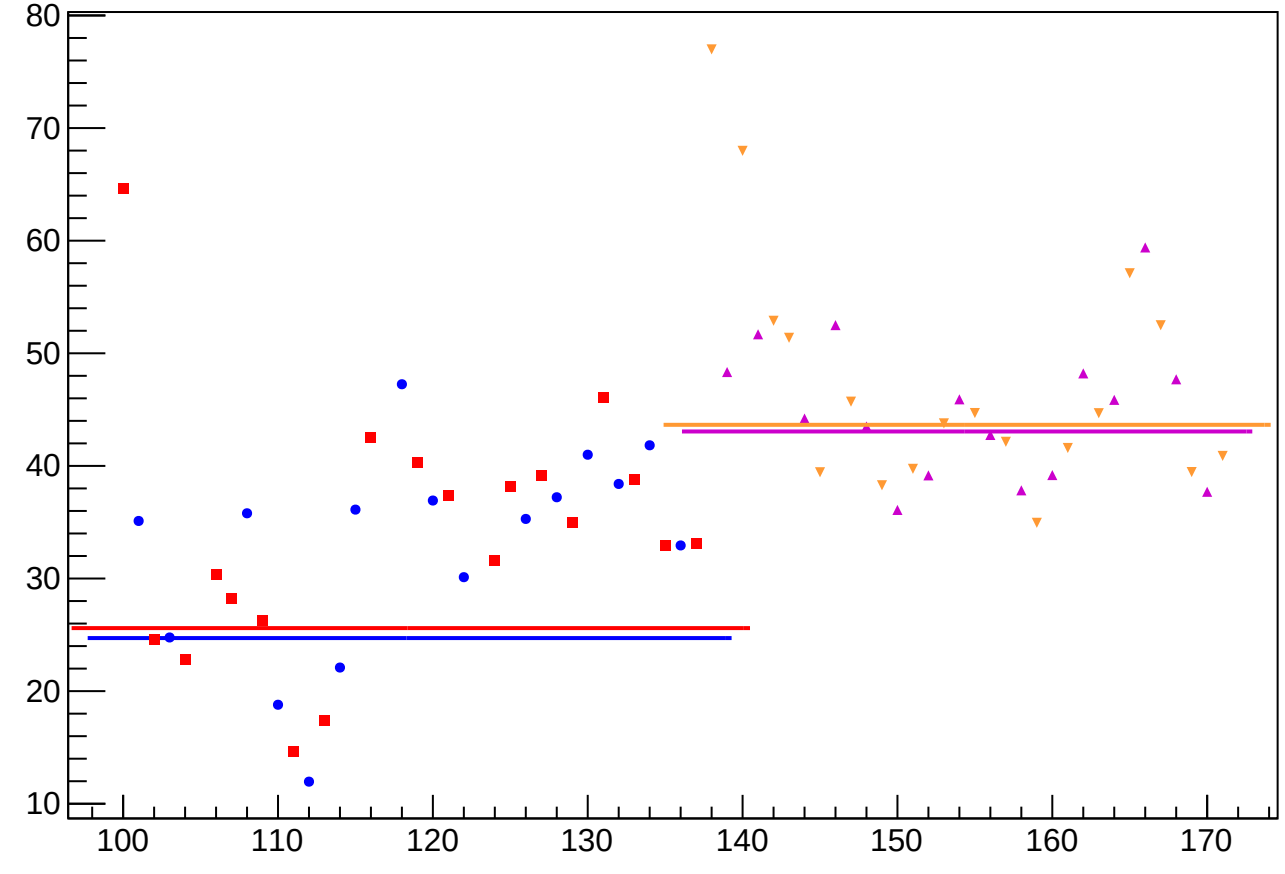
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.001+/-0.008 χ^2/NDF:30.1/36

All: 0.008+/-0.006 χ^2/NDF: 67.8/68

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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: 43.057+/-0.009 χ^2/NDF:398372.8/15

Left: 43.360+/-0.006 χ^2/NDF: 1239374.6/33

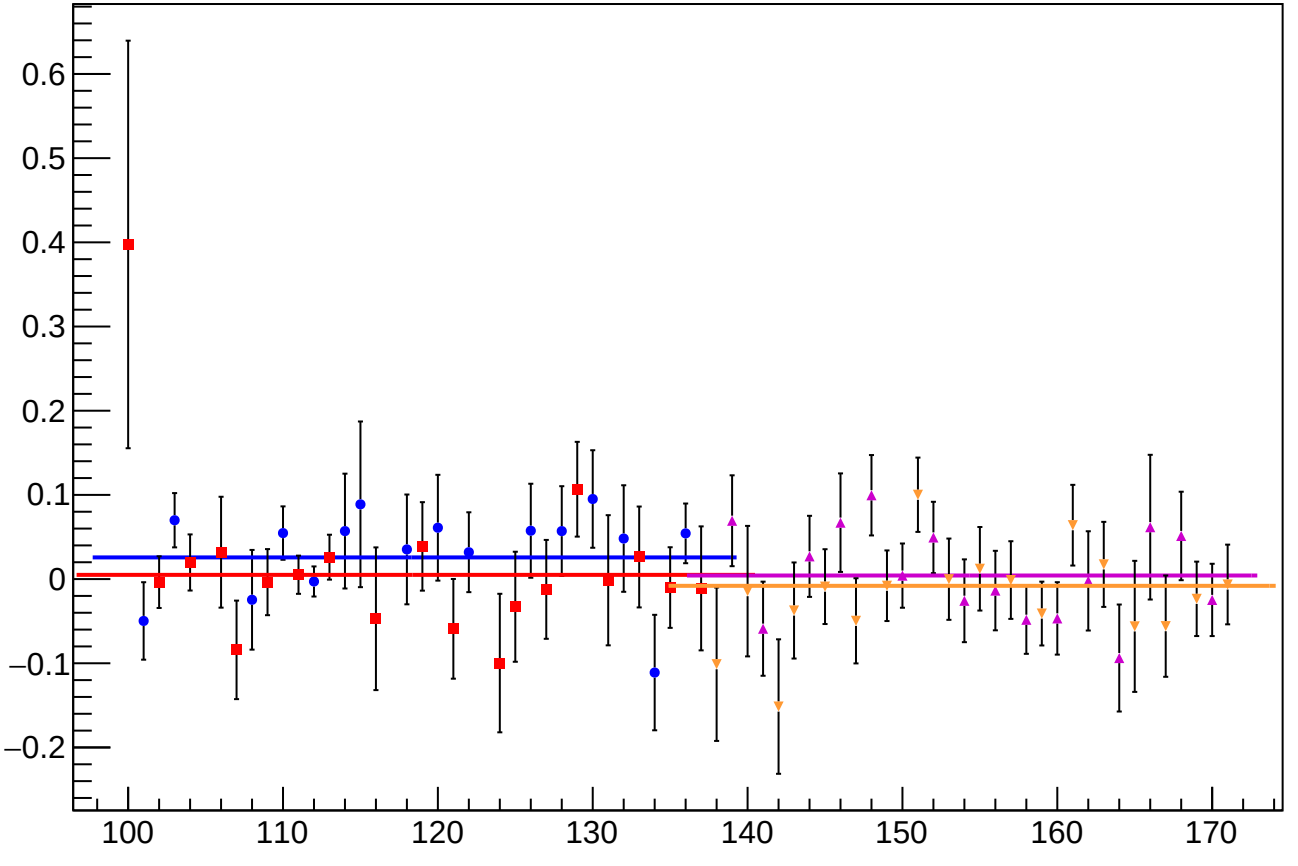
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.354+/-0.006 χ^2/NDF:5308023.8/31

Out: 33.305+/-0.006 χ^2/NDF:5042881.7/36

All: 32.834+/-0.004 χ^2/NDF: 10365486.2/68

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: 0.004+/-0.012 χ^2/NDF:16.9/15

Left: -0.002+/-0.009 χ^2/NDF: 33.3/33

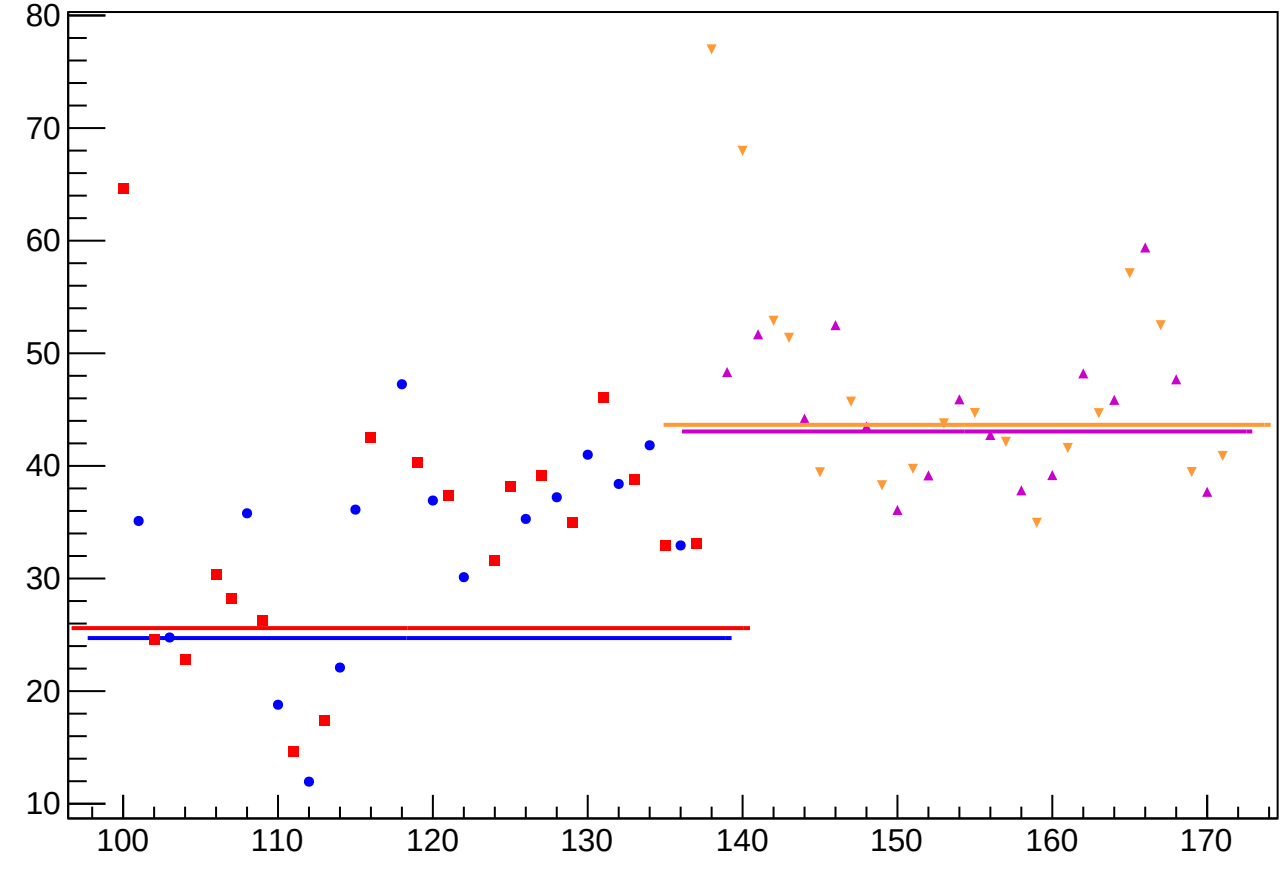
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:35.2/31

Out: -0.001+/-0.008 χ^2/NDF:30.1/36

All: 0.008+/-0.006 χ^2/NDF: 67.8/68

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.649+/-0.008 χ^2/NDF:838617.4/17

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.057+/-0.009 χ^2/NDF:398372.8/15

Left: 43.360+/-0.006 χ^2/NDF: 1239374.6/33

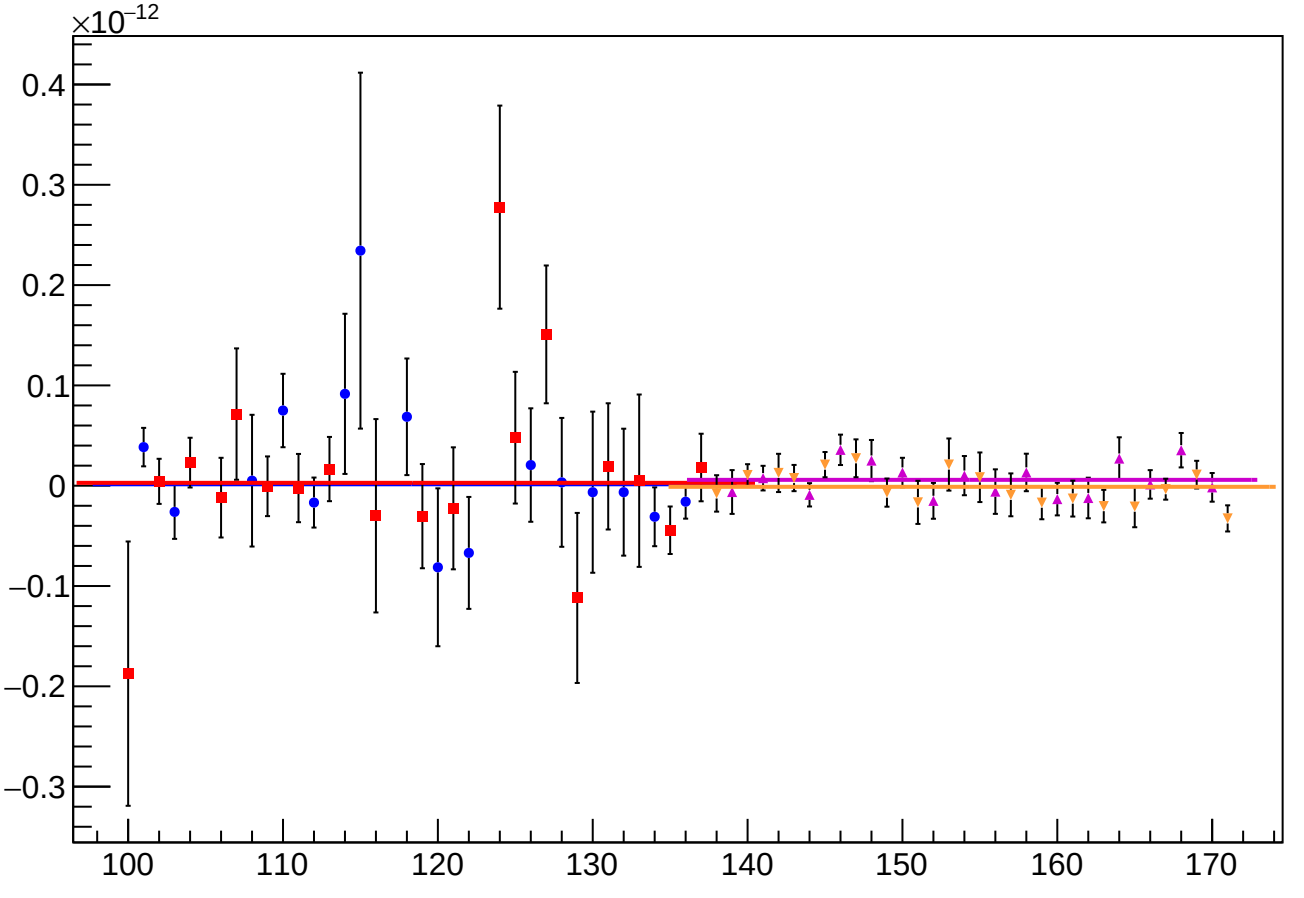
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.354+/-0.006 χ^2/NDF:5308023.8/31

Out: 33.305+/-0.006 χ^2/NDF:5042881.7/36

All: 32.834+/-0.004 χ^2/NDF: 10365486.2/68

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:15.4/15

Left: 0.000+/-0.000 χ^2/NDF: 36.7/33

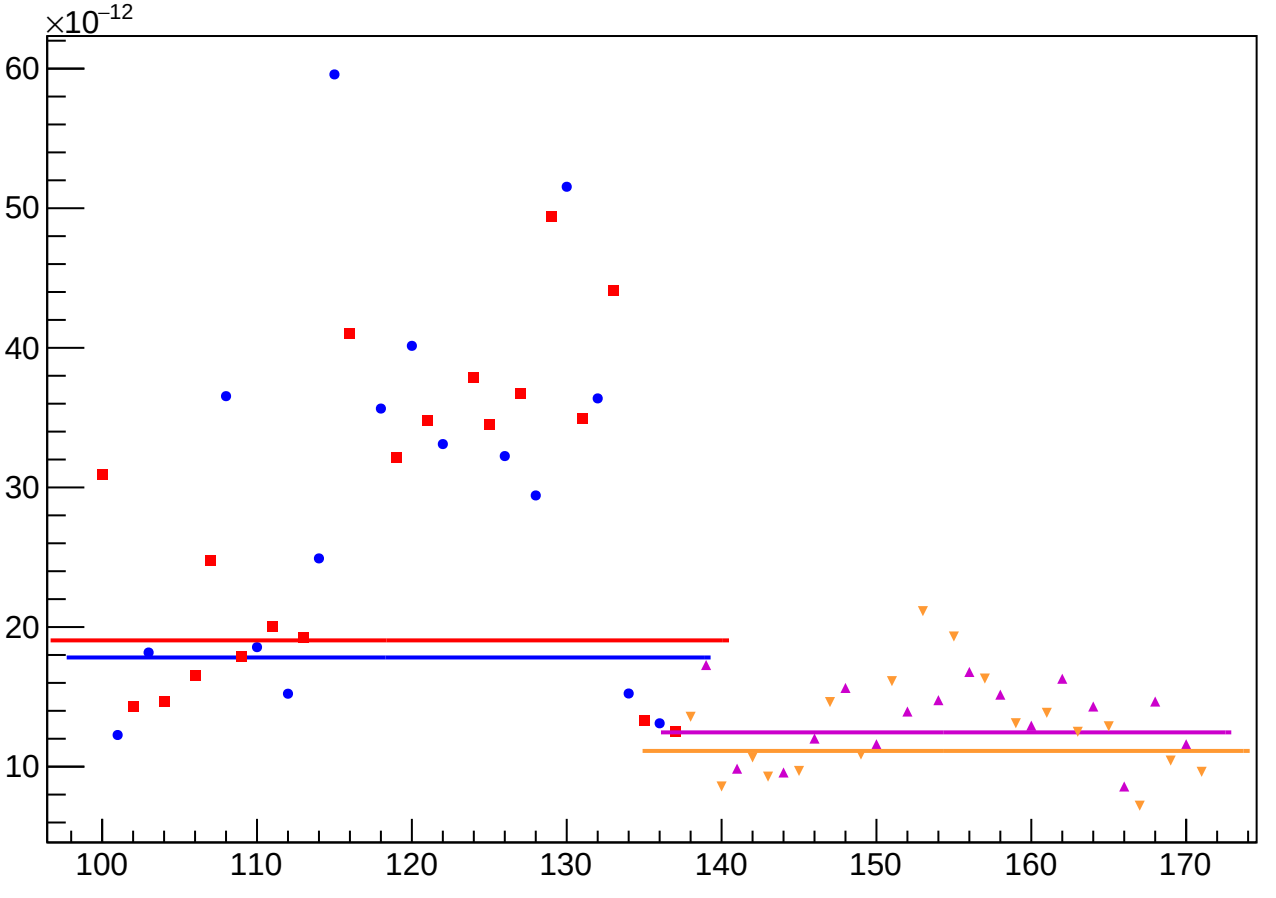
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:34.3/31

Out: -0.000+/-0.000 χ^2/NDF:43.3/36

All: 0.000+/-0.000 χ^2/NDF: 78.9/68

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:803506.0/15

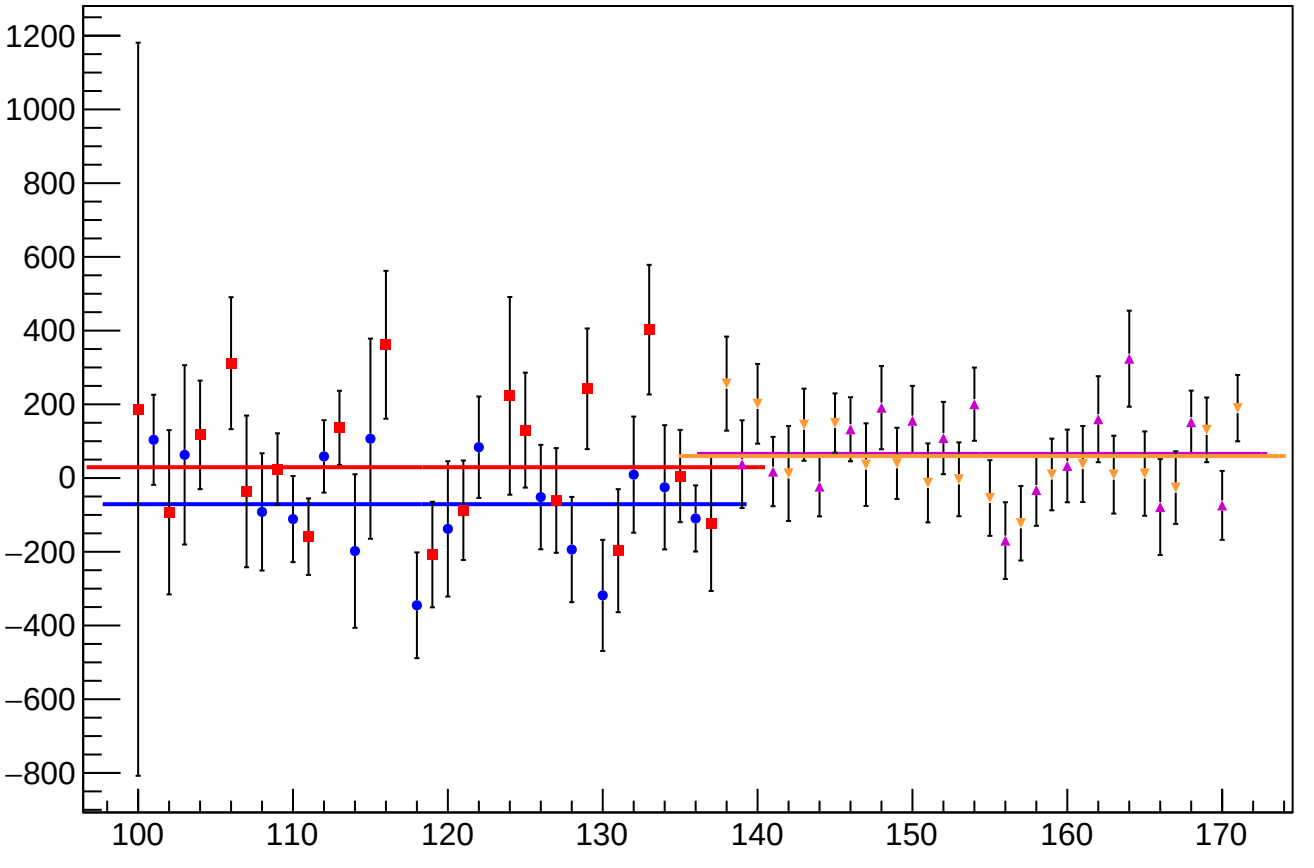
Left: 0.000+/-0.000 χ^2/NDF: 2365639.8/33

Right: 0.000+/-0.000 χ^2/NDF: 3509564.6/34

In: 0.000+/-0.000 χ^2/NDF:3299387.9/31

Out: 0.000+/-0.000 χ^2/NDF:4360792.9/36

All: 0.000+/-0.000 χ^2/NDF: 7777492.3/68



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: 65.507+/-24.928 χ^2/NDF:21.6/15

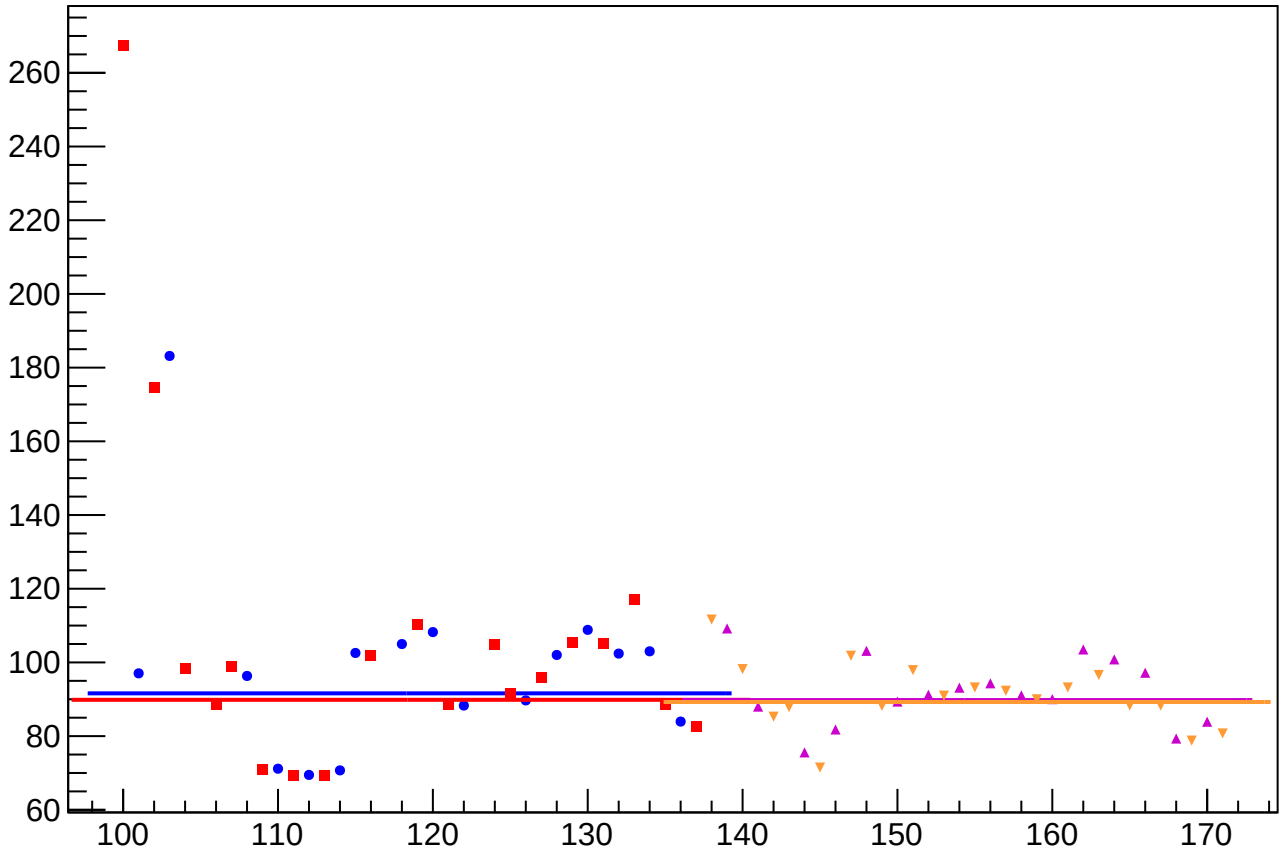
Left: 62.428+/-17.240 χ^2/NDF: 37.5/33

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 19.813+/-20.328 χ^2/NDF:45.7/31

Out: 49.732+/-19.581 χ^2/NDF:40.4/36

All: 35.332+/-14.103 χ^2/NDF: 87.2/68



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: 89.792+/-0.018 χ^2/NDF:253972.7/15

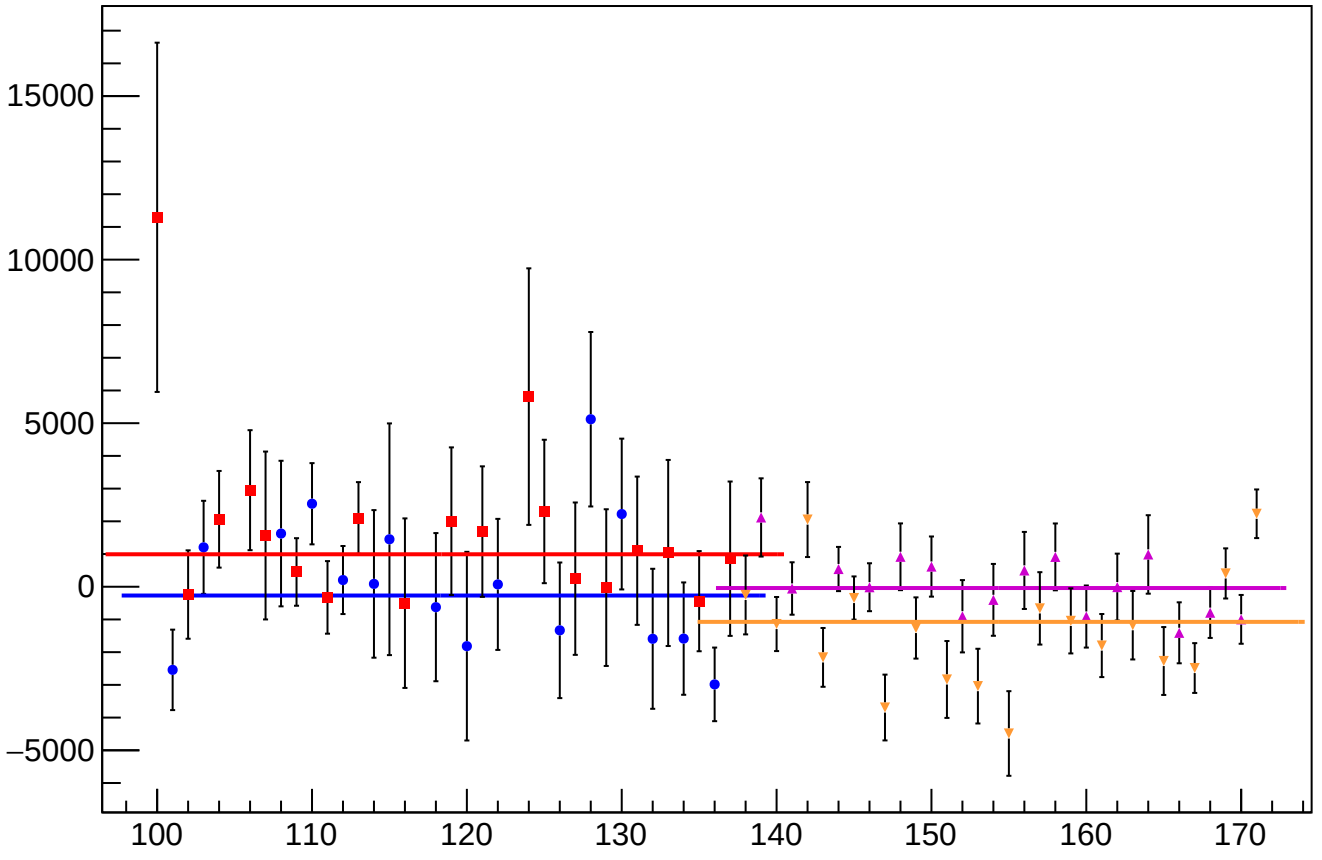
Left: 89.515+/-0.012 χ^2/NDF: 533059.1/33

Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 90.400+/-0.014 χ^2/NDF:838200.5/31

Out: 89.455+/-0.014 χ^2/NDF:1025306.2/36

All: 89.910+/-0.010 χ^2/NDF: 1865750.2/68



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: -39.309+/-228.391 χ^2/NDF:13.5/15

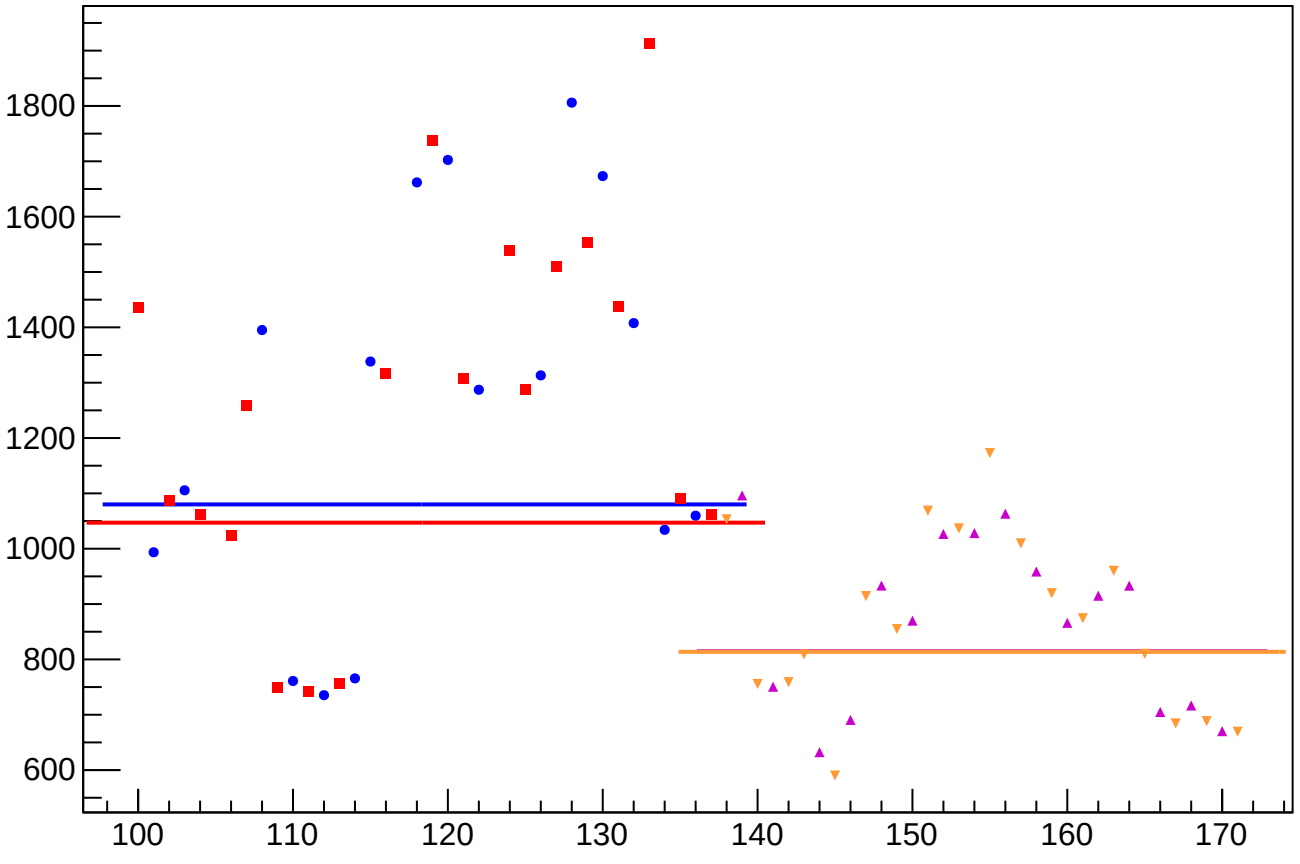
Left: -575.665+/-158.479 χ^2/NDF: 82.7/33

Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: -91.692+/-200.598 χ^2/NDF:37.2/31

Out: -595.040+/-192.918 χ^2/NDF:91.6/36

All: -353.186+/-139.049 χ^2/NDF: 132.1/68



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: 814.685+/-0.161 χ^2/NDF:818473.0/15

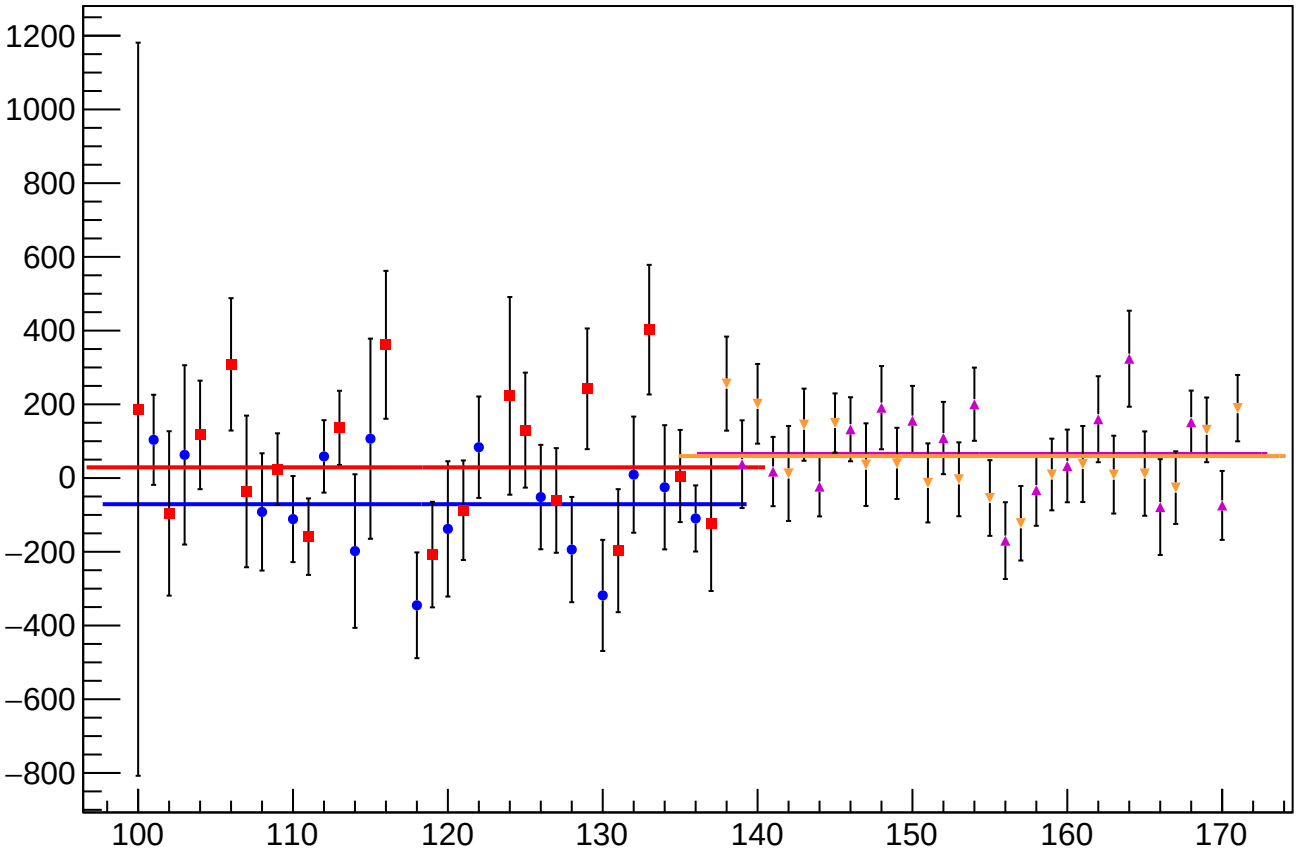
Left: 814.183+/-0.112 χ^2/NDF: 1808913.3/33

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 875.339+/-0.142 χ^2/NDF:2489063.3/31

Out: 867.773+/-0.136 χ^2/NDF:2709899.1/36

All: 871.409+/-0.098 χ^2/NDF: 5200440.6/68



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: 65.505+/-24.928 χ^2/NDF:21.6/15

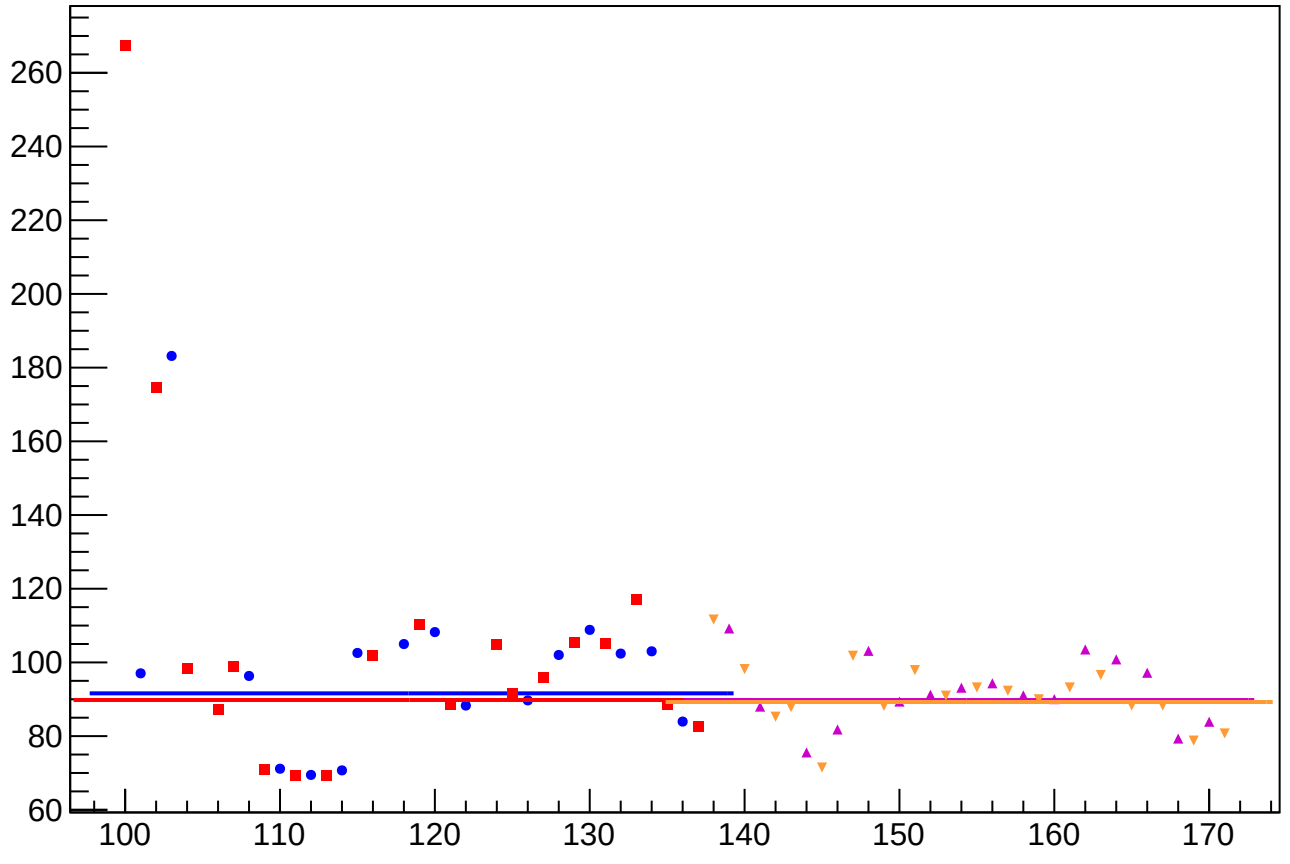
Left: 62.429+/-17.240 χ^2/NDF: 37.5/33

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 19.808+/-20.328 χ^2/NDF:45.7/31

Out: 49.653+/-19.582 χ^2/NDF:40.4/36

All: 35.288+/-14.103 χ^2/NDF: 87.1/68



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: 89.792+/-0.018 χ^2/NDF:253972.7/15

Left: 89.515+/-0.012 χ^2/NDF: 533059.1/33

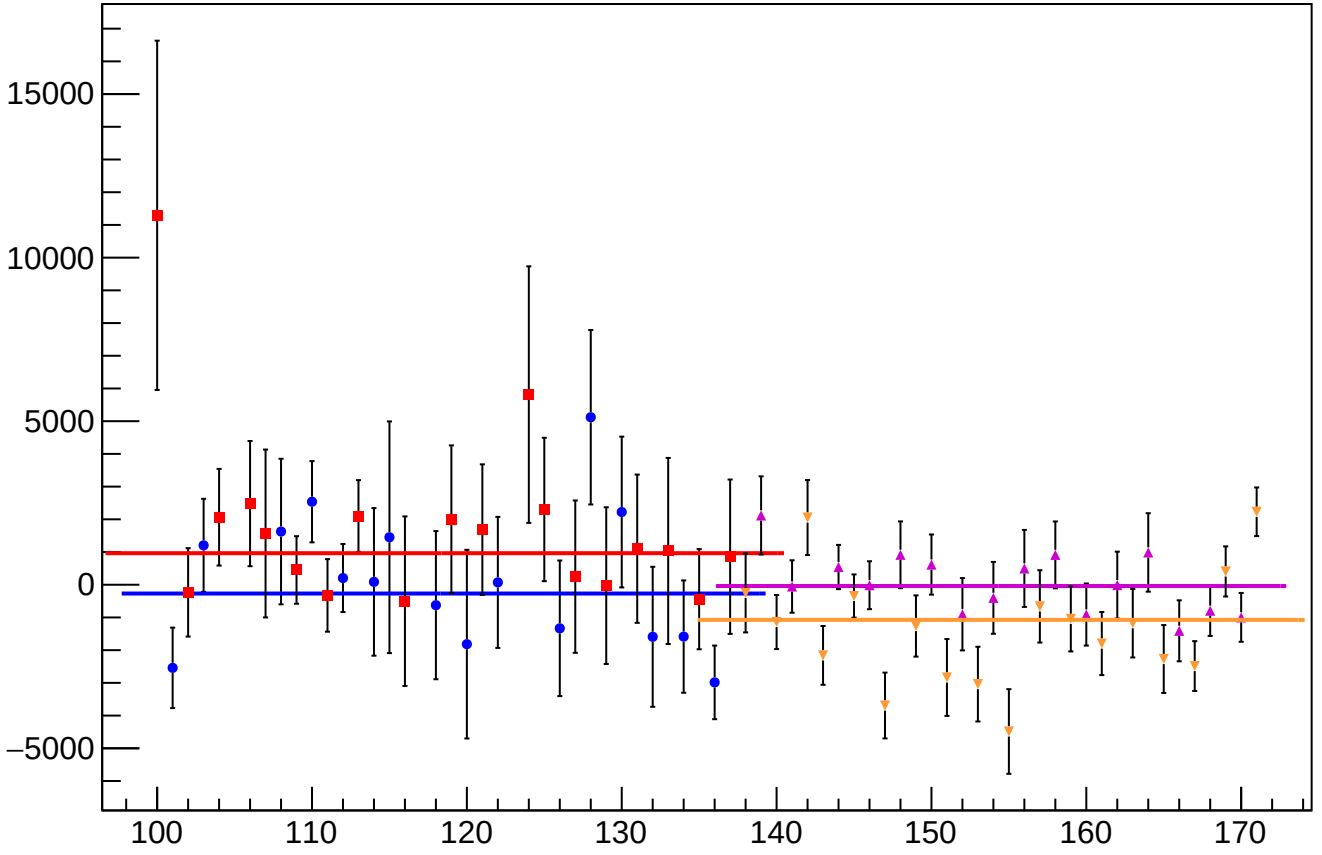
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.400+/-0.014 χ^2/NDF:838203.6/31

Out: 89.440+/-0.014 χ^2/NDF:1025788.4/36

All: 89.902+/-0.010 χ^2/NDF: 1866309.8/68

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: -39.304+/-228.391 χ^2/NDF:13.5/15

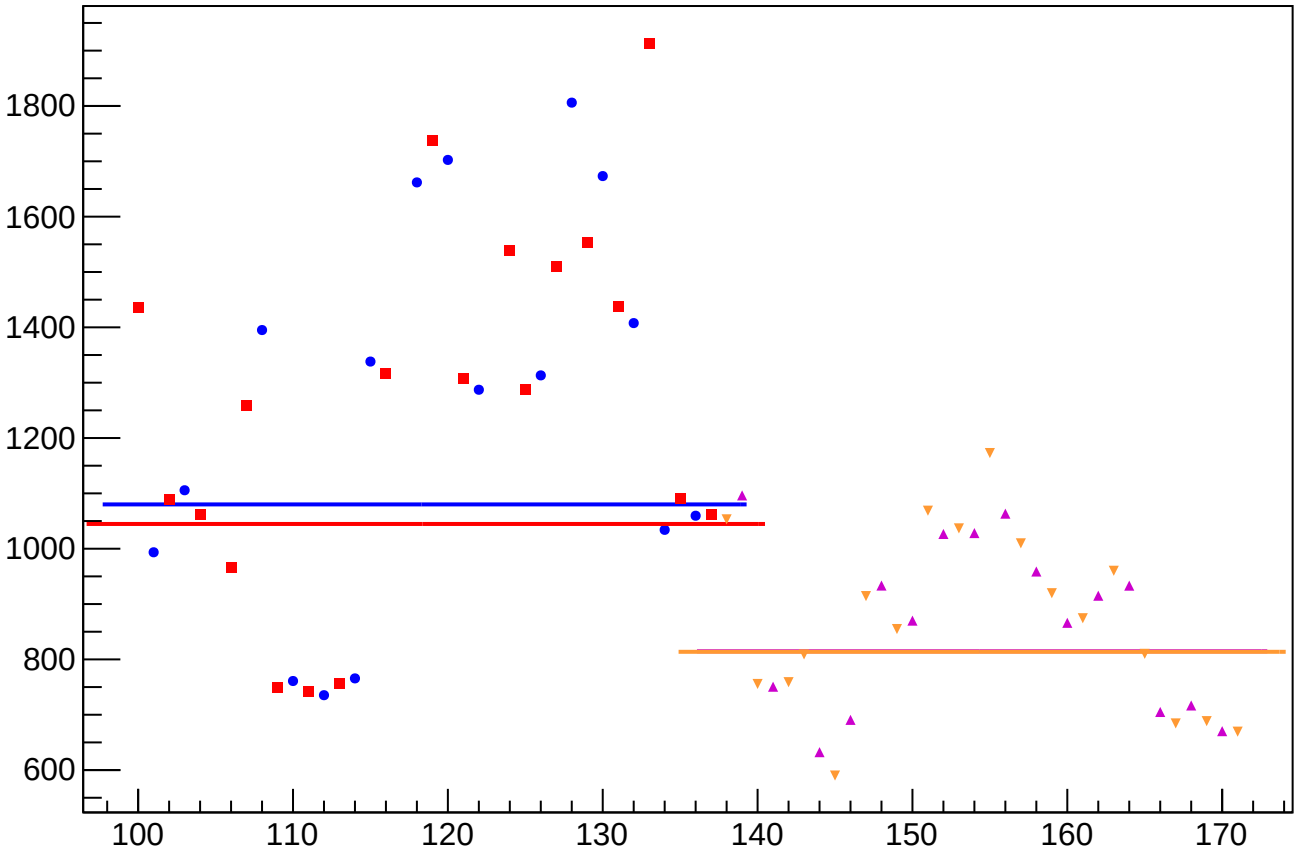
Left: -575.660+/-158.479 χ^2/NDF: 82.7/33

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -91.693+/-200.598 χ^2/NDF:37.2/31

Out: -602.910+/-193.008 χ^2/NDF:90.5/36

All: -357.156+/-139.083 χ^2/NDF: 131.0/68



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: 814.685+/-0.161 χ^2/NDF:818470.9/15

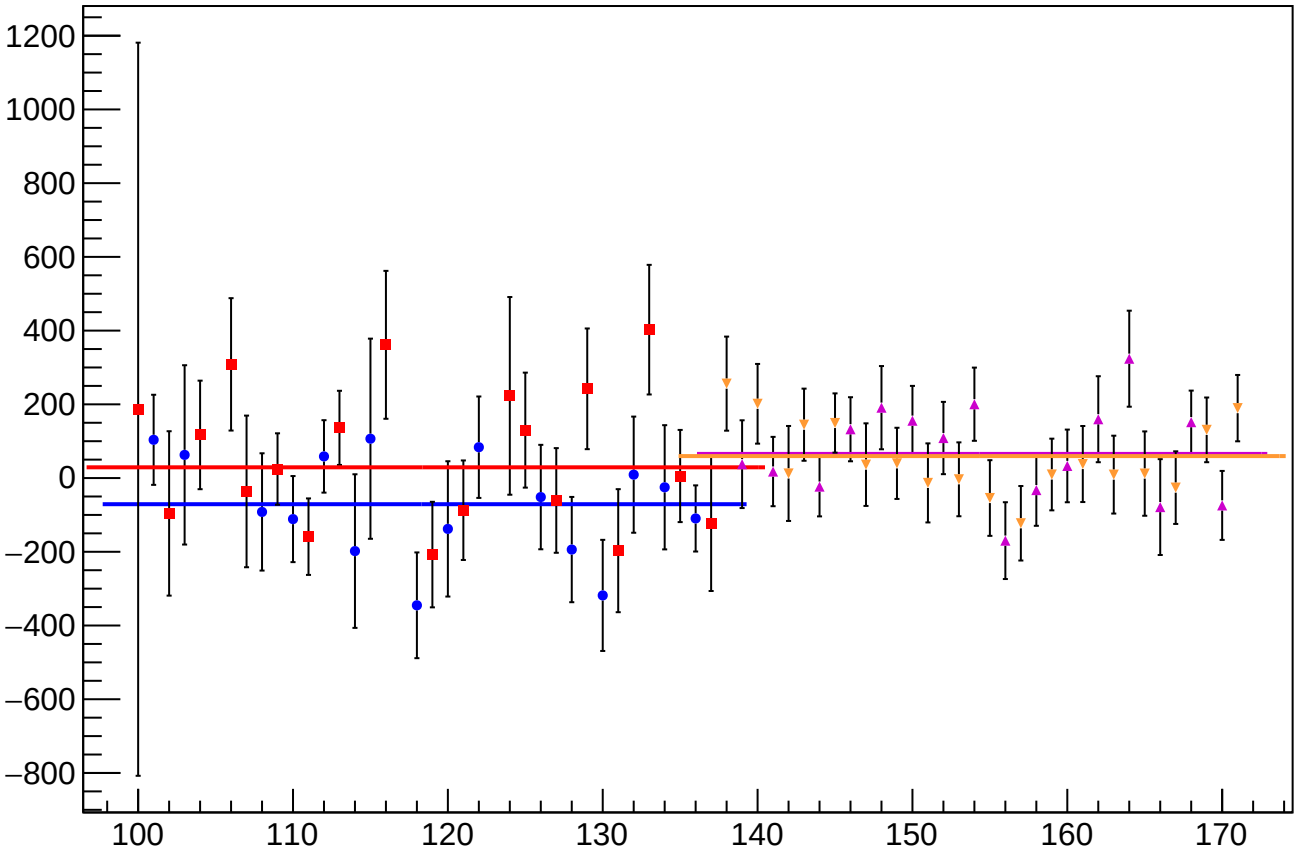
Left: 814.183+/-0.112 χ^2/NDF: 1808914.6/33

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 875.341+/-0.142 χ^2/NDF:2489099.1/31

Out: 867.063+/-0.136 χ^2/NDF:2701062.9/36

All: 871.042+/-0.098 χ^2/NDF: 5191930.5/68



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: 65.505+/-24.928 χ^2/NDF:21.6/15

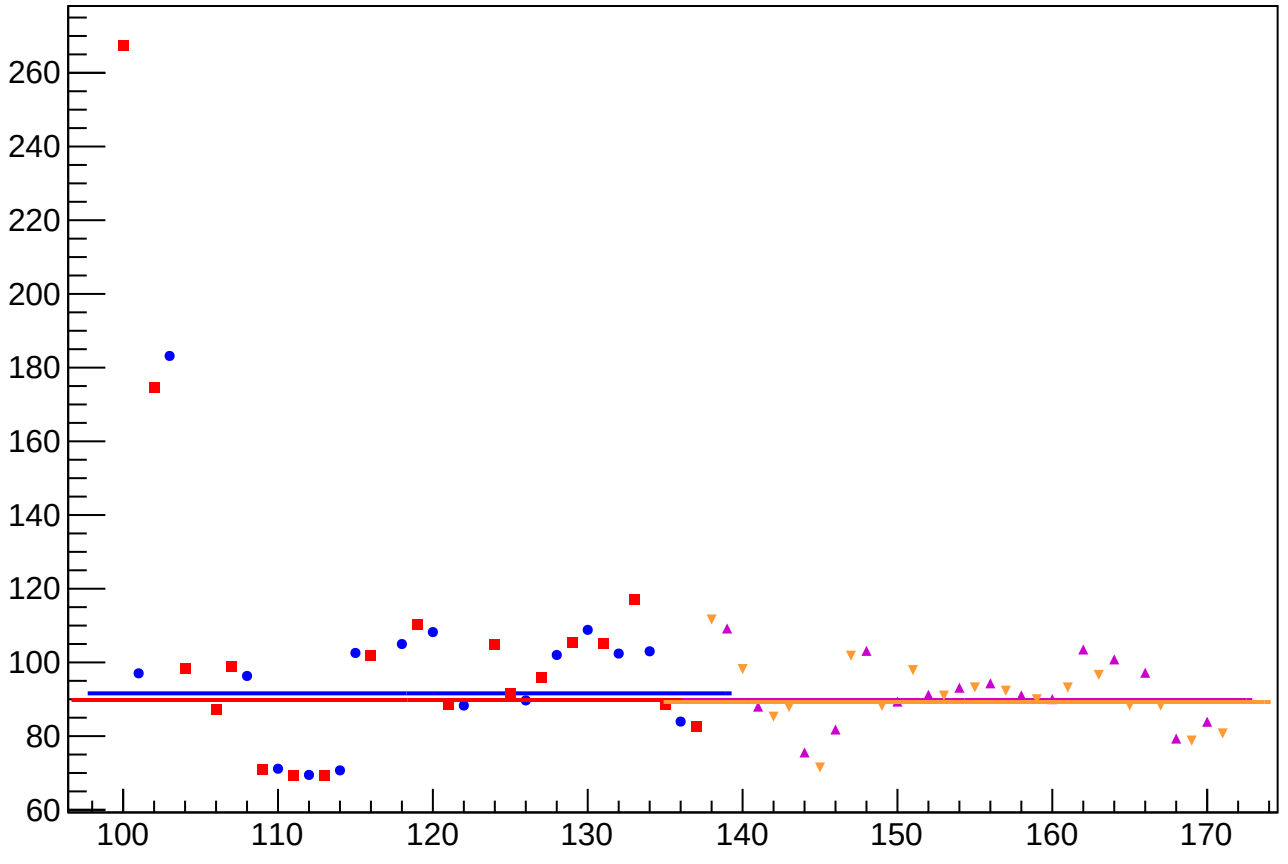
Left: 62.429+/-17.240 χ^2/NDF: 37.5/33

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 19.808+/-20.328 χ^2/NDF:45.7/31

Out: 49.653+/-19.582 χ^2/NDF:40.4/36

All: 35.288+/-14.103 χ^2/NDF: 87.1/68



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: 89.792+/-0.018 χ^2/NDF:253972.7/15

Left: 89.515+/-0.012 χ^2/NDF: 533059.1/33

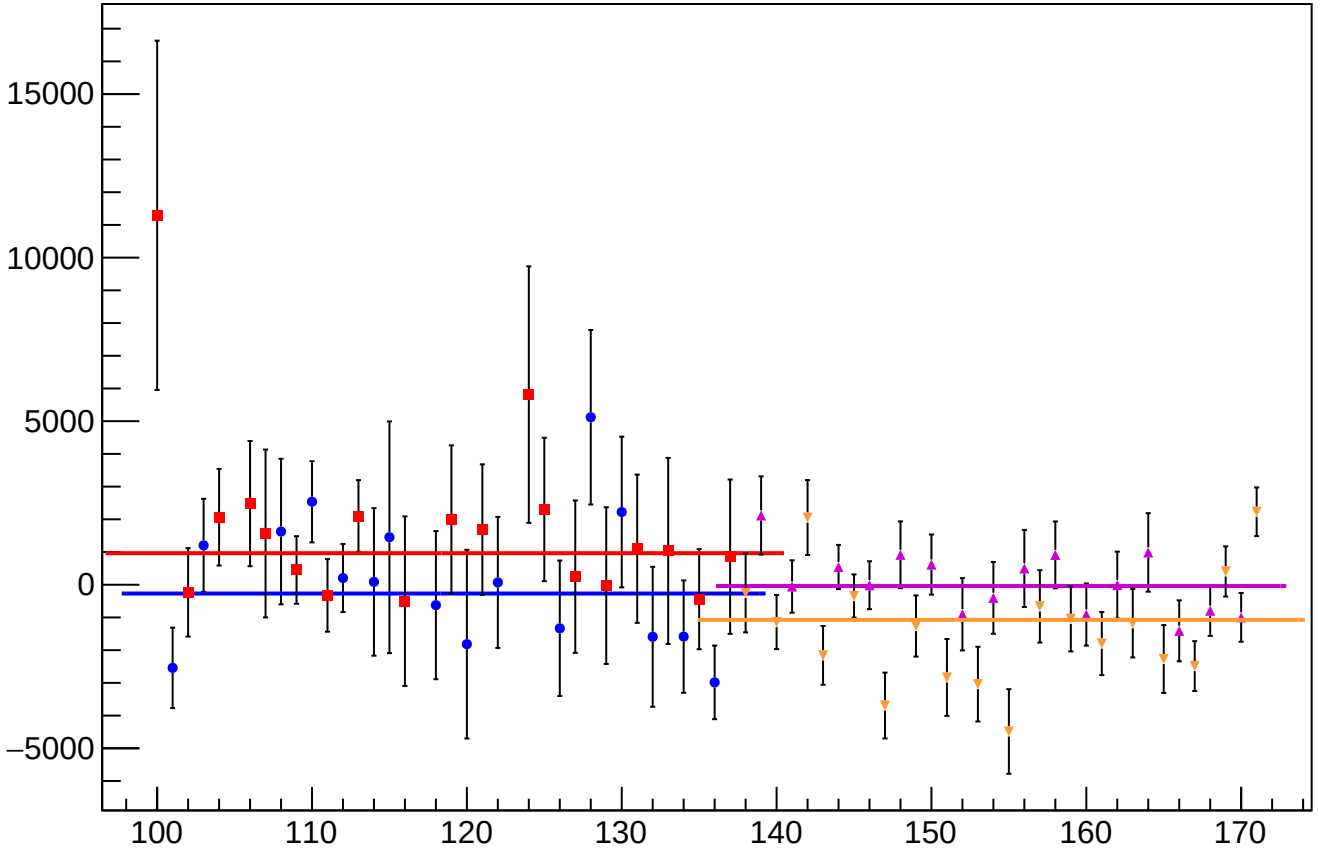
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 90.400+/-0.014 χ^2/NDF:838203.6/31

Out: 89.440+/-0.014 χ^2/NDF:1025788.4/36

All: 89.902+/-0.010 χ^2/NDF: 1866309.8/68

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: -39.304+/-228.391 χ^2/NDF:13.5/15

Left: -575.660+/-158.479 χ^2/NDF: 82.7/33

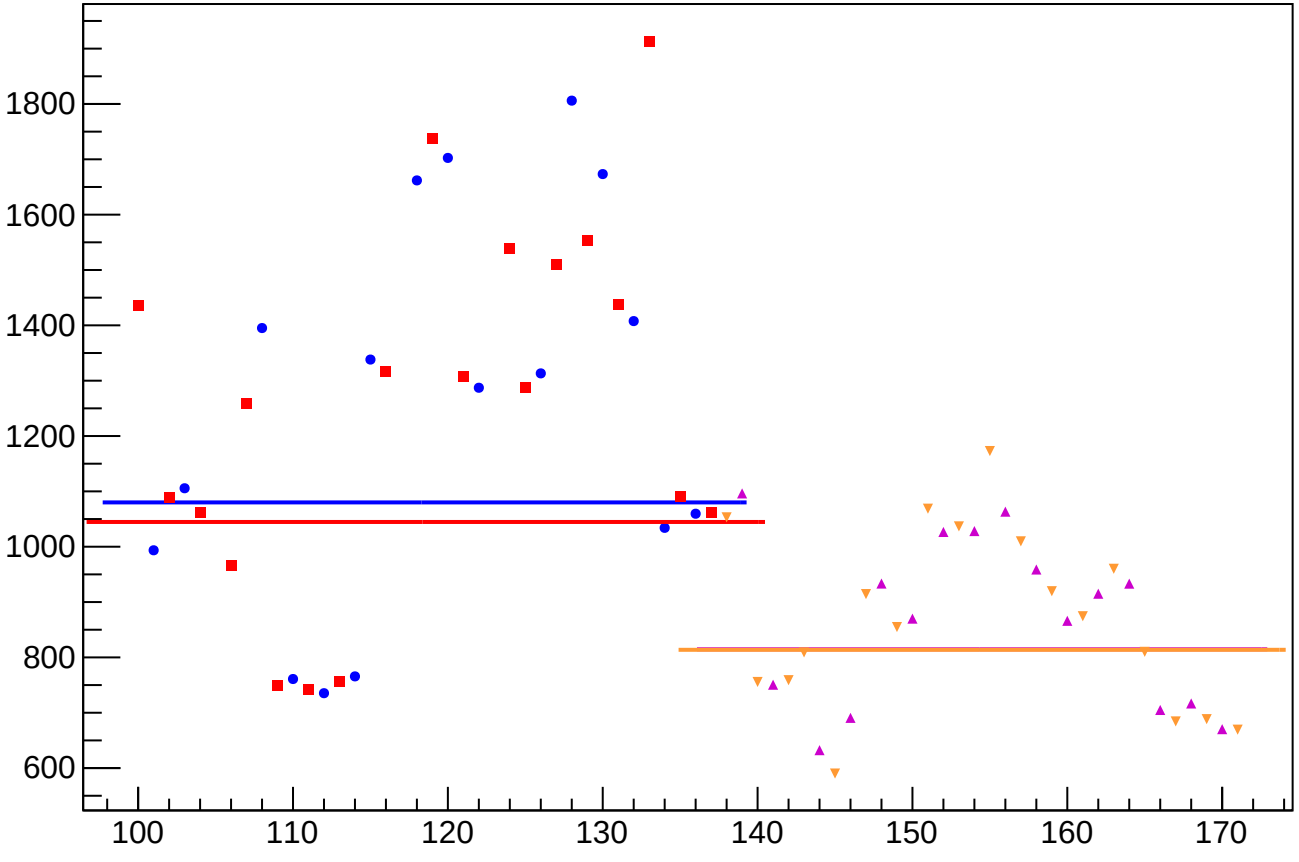
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: -91.693+/-200.598 χ^2/NDF:37.2/31

Out: -602.910+/-193.008 χ^2/NDF:90.5/36

All: -357.156+/-139.083 χ^2/NDF: 131.0/68

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: 814.685+/-0.161 χ^2/NDF:818470.9/15

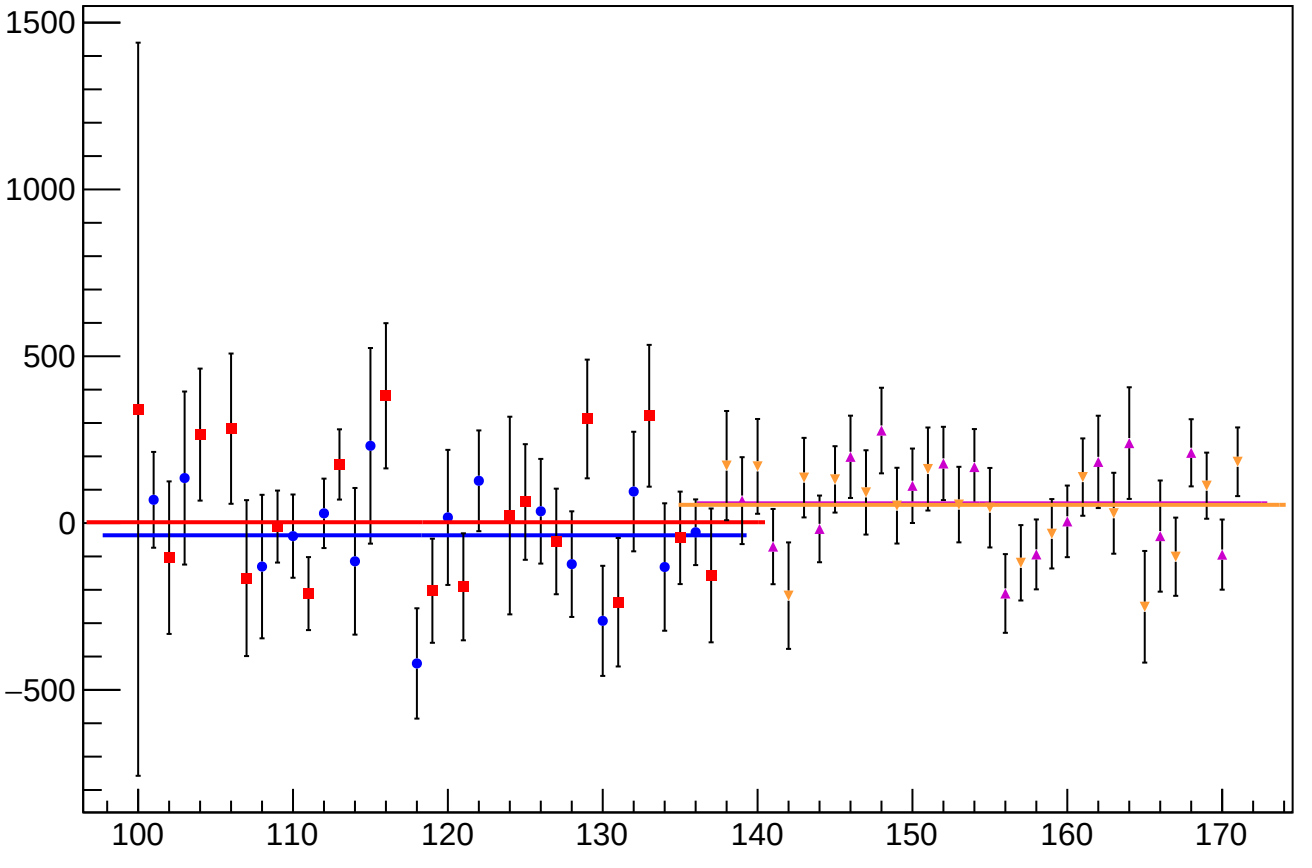
Left: 814.183+/-0.112 χ^2/NDF: 1808914.6/33

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 875.341+/-0.142 χ^2/NDF:2489099.1/31

Out: 867.063+/-0.136 χ^2/NDF:2701062.9/36

All: 871.042+/-0.098 χ^2/NDF: 5191930.5/68



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: 59.176+/-29.266 χ^2/NDF:22.8/15

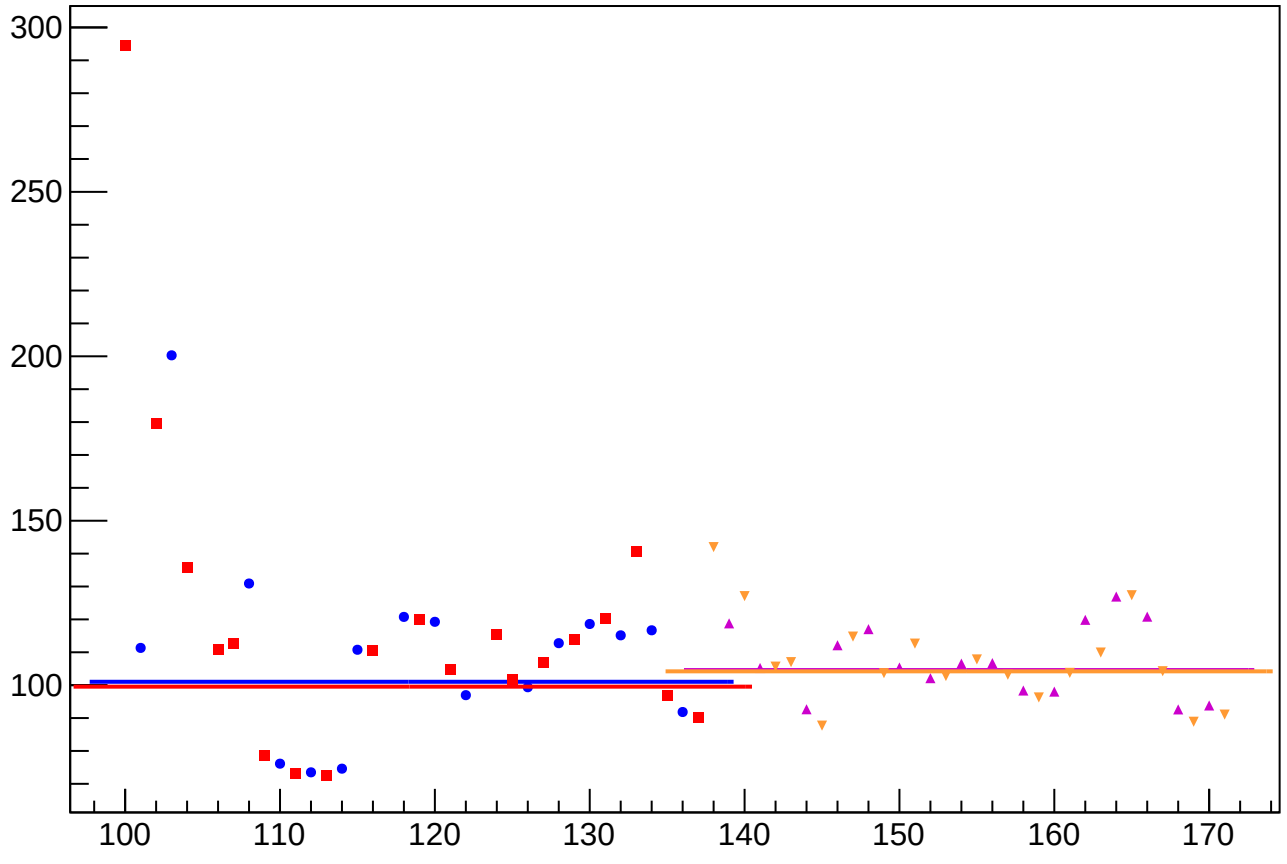
Left: 56.854+/-20.260 χ^2/NDF: 39.4/33

Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 24.665+/-23.406 χ^2/NDF:39.5/31

Out: 36.405+/-22.615 χ^2/NDF:42.5/36

All: 30.737+/-16.264 χ^2/NDF: 82.2/68



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: 104.595+/-0.021 χ^2/NDF:223712.7/15

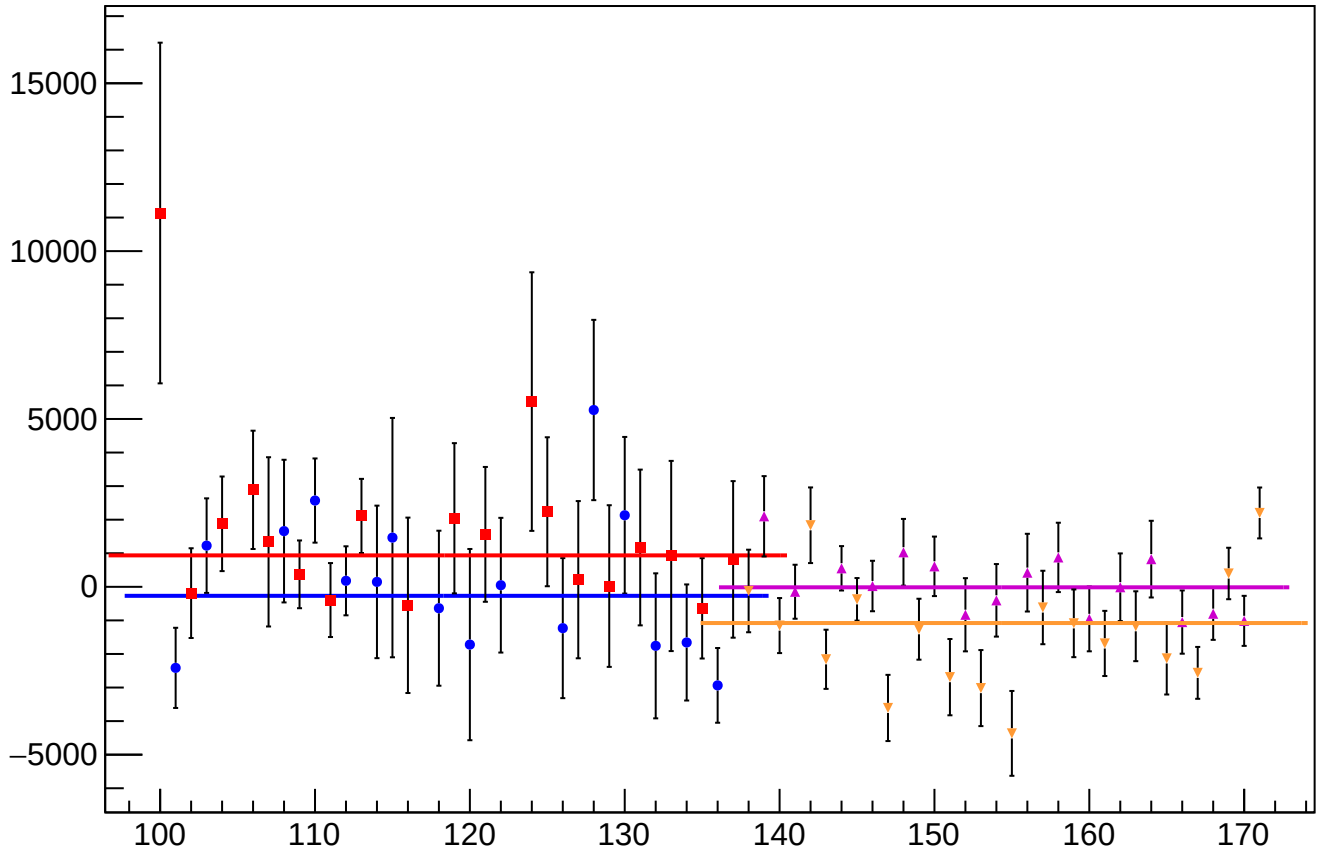
Left: 104.392+/-0.014 χ^2/NDF: 599000.2/33

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 103.311+/-0.017 χ^2/NDF:950497.2/31

Out: 102.570+/-0.016 χ^2/NDF:1274932.2/36

All: 102.927+/-0.012 χ^2/NDF: 2226466.9/68



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: -14.246+/-227.217 χ^2/NDF:12.6/15

Left: -566.834+/-157.540 χ^2/NDF: 80.0/33

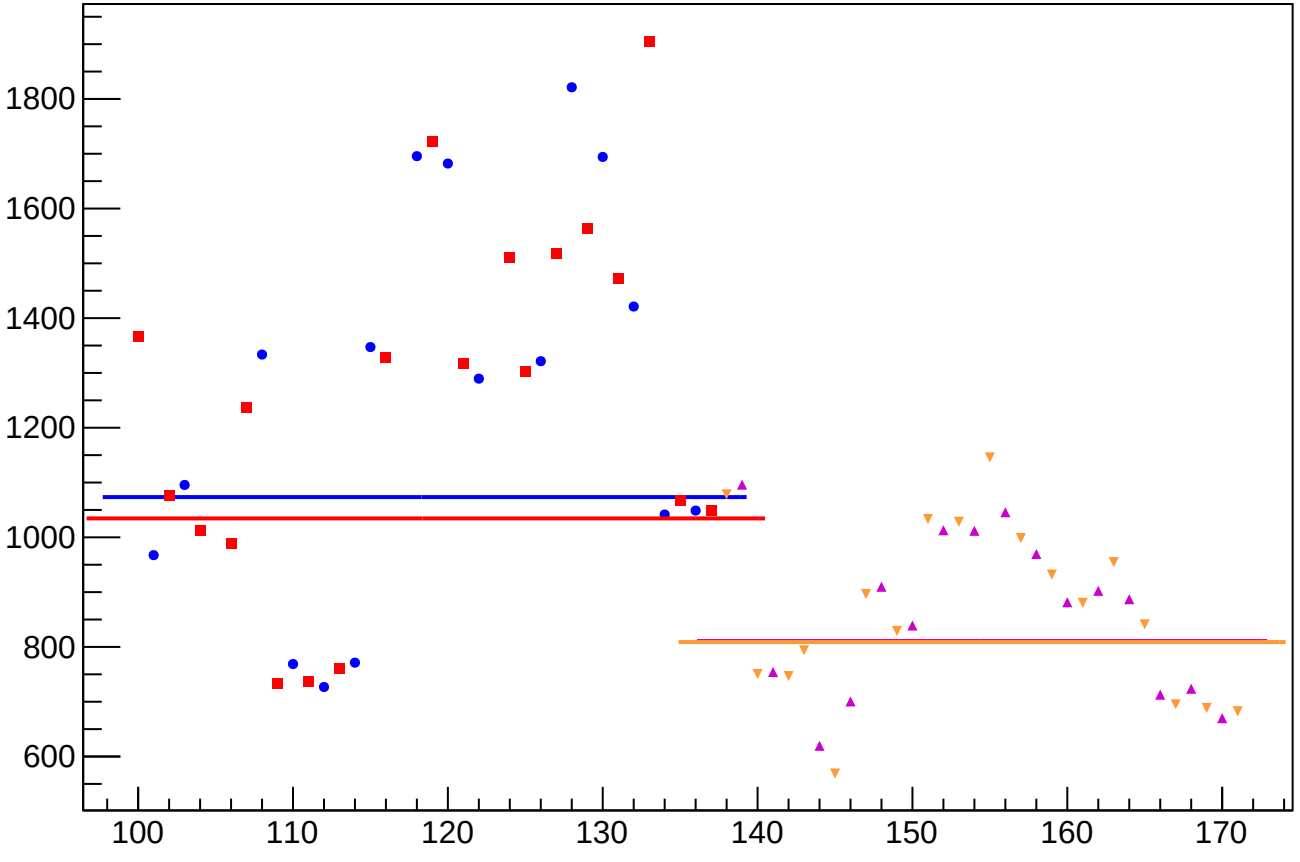
Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: -72.299+/-199.527 χ^2/NDF:36.3/31

Out: -608.114+/-191.419 χ^2/NDF:89.0/36

All: -351.314+/-138.131 χ^2/NDF: 129.1/68

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: 810.785+/-0.161 χ^2/NDF:777795.8/15

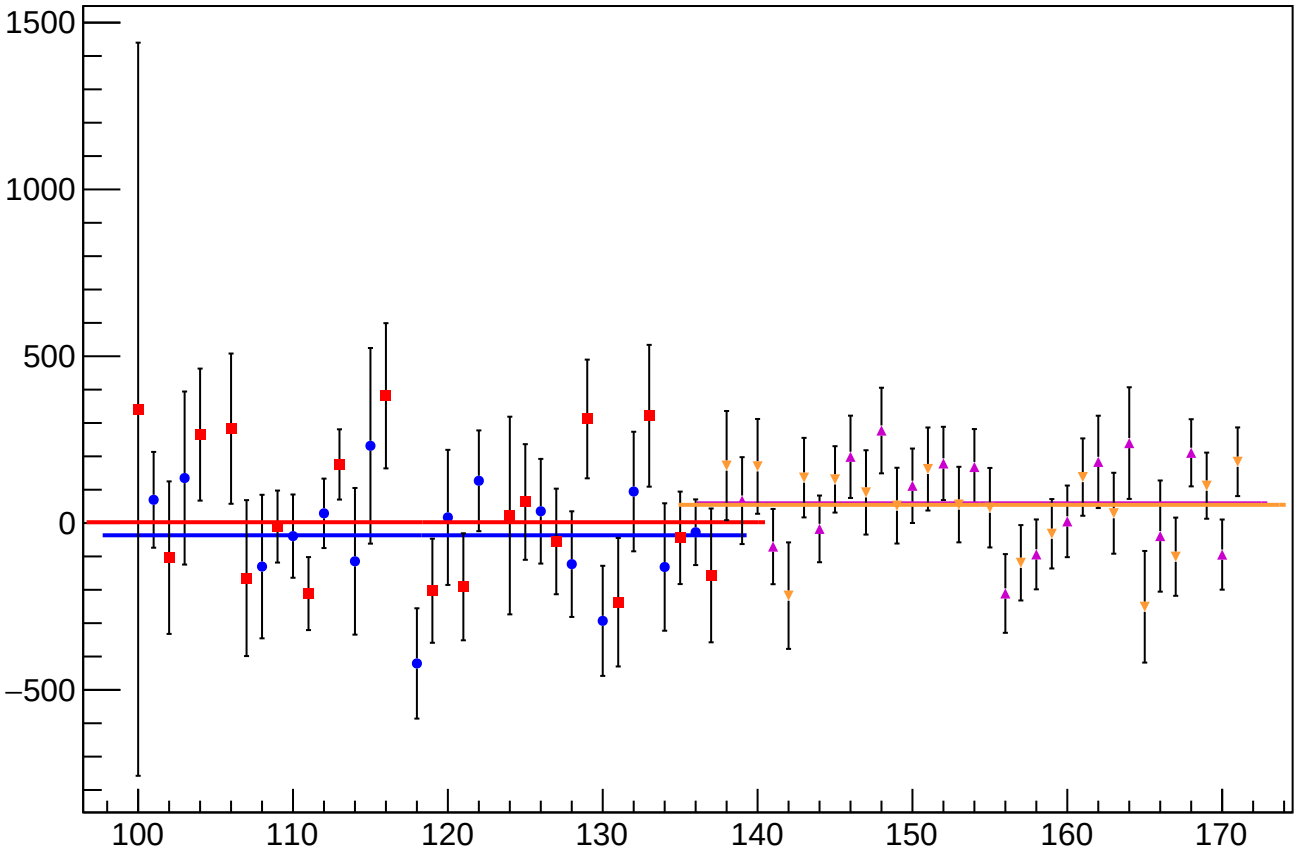
Left: 809.797+/-0.111 χ^2/NDF: 1779352.2/33

Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 870.904+/-0.141 χ^2/NDF:2466606.5/31

Out: 861.545+/-0.135 χ^2/NDF:2728089.6/36

All: 866.031+/-0.098 χ^2/NDF: 5196987.4/68



Right In: -36.589+/-38.991 χ^2/NDF: 12.9/15

Left Out: 54.719+/-28.075 χ^2/NDF:16.6/17

Right Out: 2.566+/-38.165 χ^2/NDF: 24.7/18

Left In: 59.176+/-29.267 χ^2/NDF:22.8/15

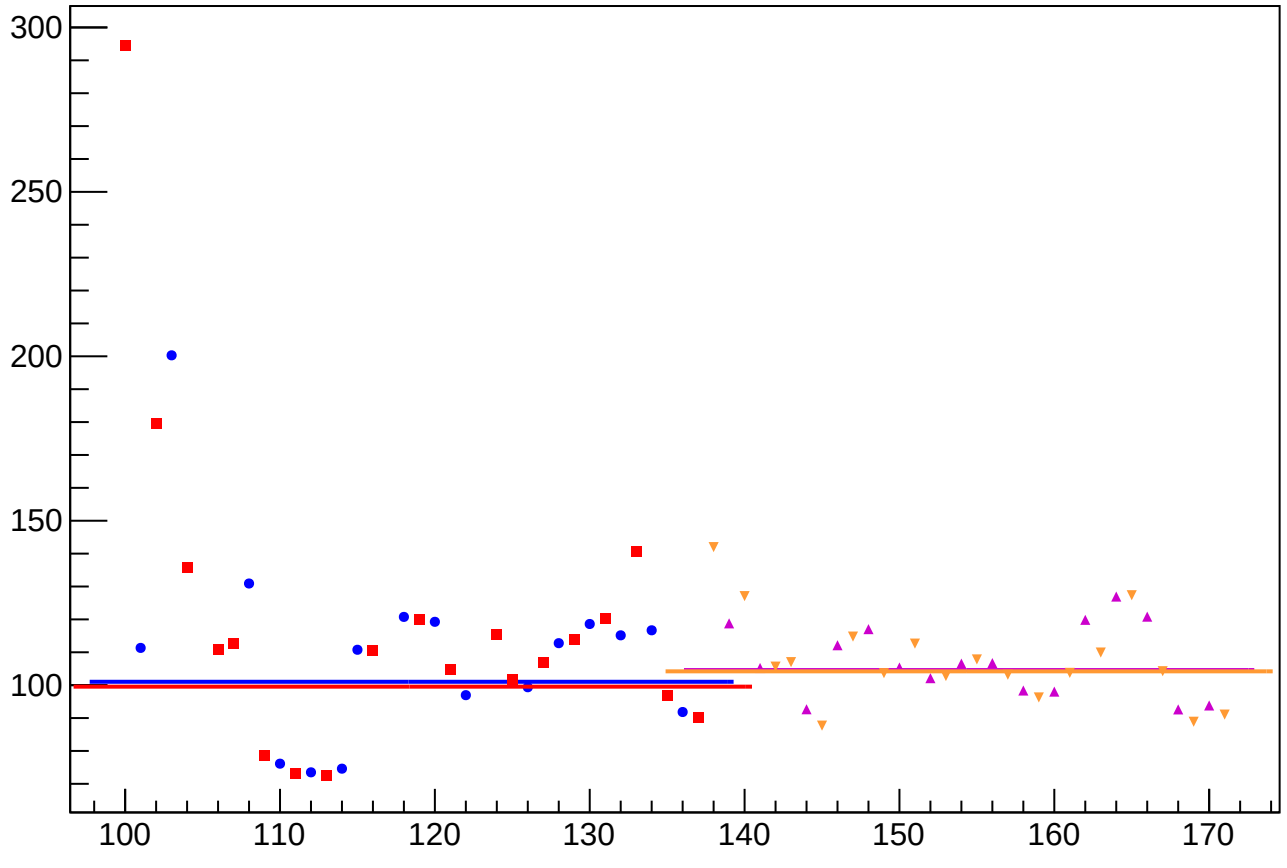
Left: 56.855+/-20.260 χ^2/NDF: 39.4/33

Right: -16.593+/-27.274 χ^2/NDF: 38.1/34

In: 24.665+/-23.406 χ^2/NDF:39.5/31

Out: 36.406+/-22.615 χ^2/NDF:42.5/36

All: 30.737+/-16.264 χ^2/NDF: 82.2/68



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: 104.596+/-0.021 χ^2/NDF:223713.1/15

Left: 104.392+/-0.014 χ^2/NDF: 598997.0/33

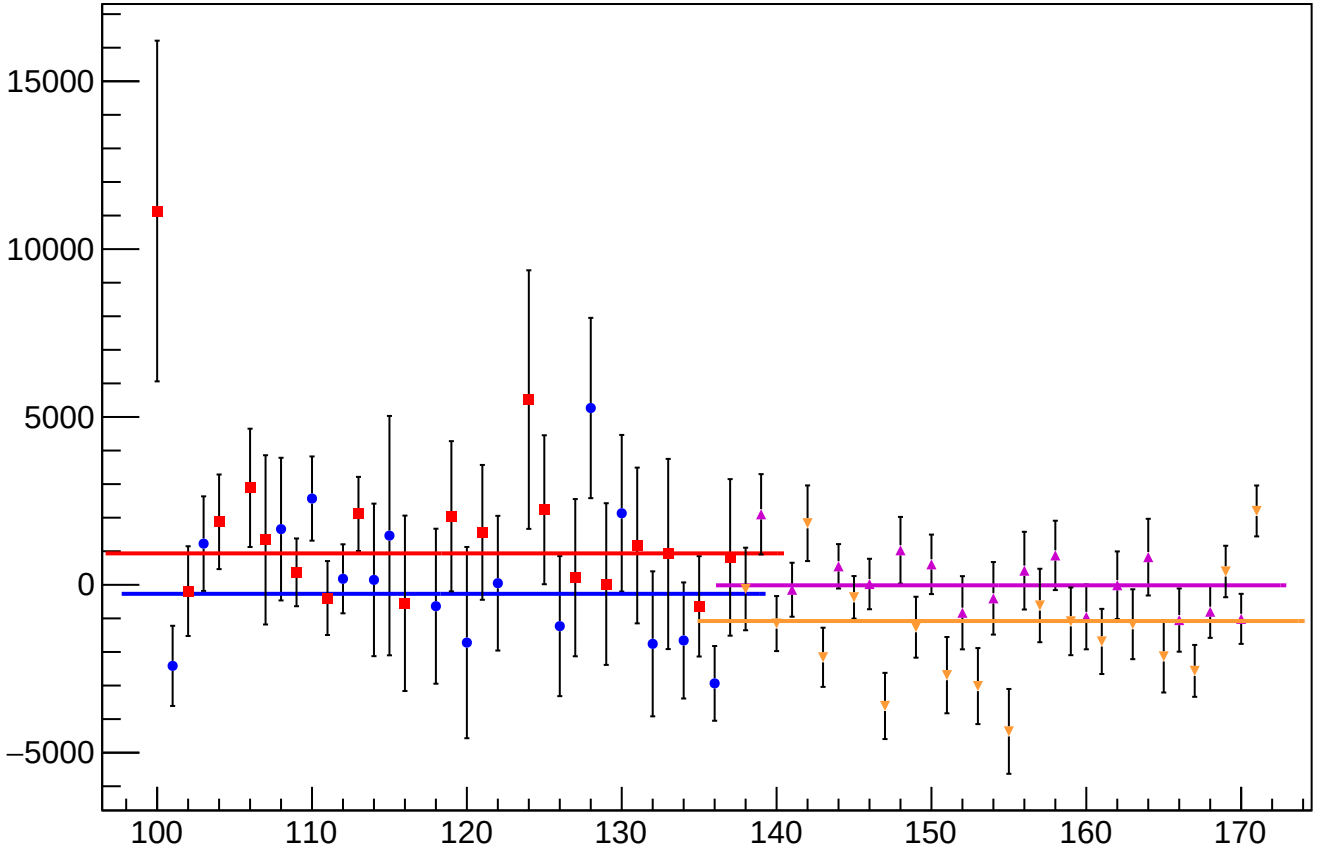
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 103.311+/-0.017 χ^2/NDF:950497.4/31

Out: 102.570+/-0.016 χ^2/NDF:1274932.6/36

All: 102.928+/-0.012 χ^2/NDF: 2226467.4/68

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: -14.247+/-227.217 χ^2/NDF:12.6/15

Left: -566.834+/-157.540 χ^2/NDF: 80.0/33

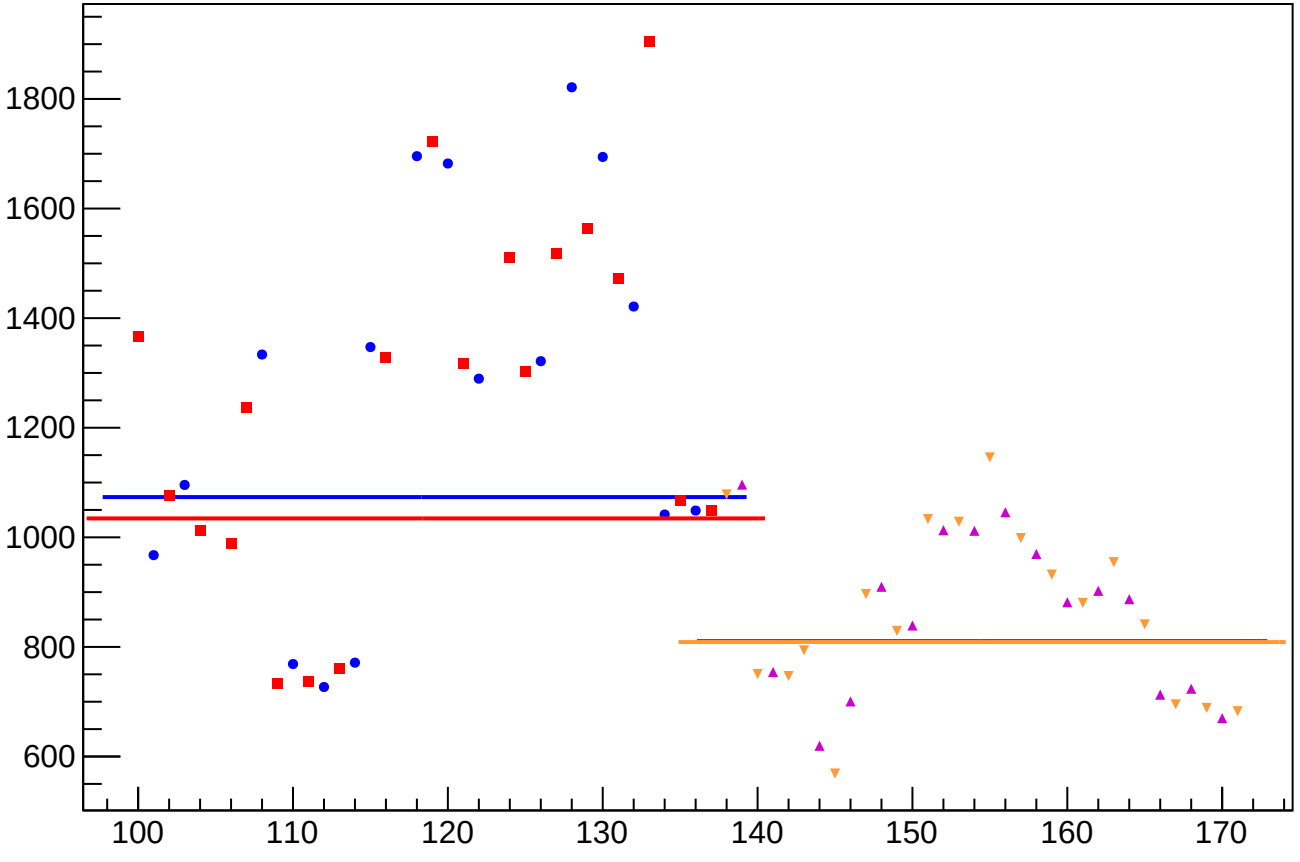
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: -72.299+/-199.527 χ^2/NDF:36.3/31

Out: -608.113+/-191.418 χ^2/NDF:89.0/36

All: -351.315+/-138.131 χ^2/NDF: 129.1/68

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: 810.783+/-0.161 χ^2/NDF:777797.2/15

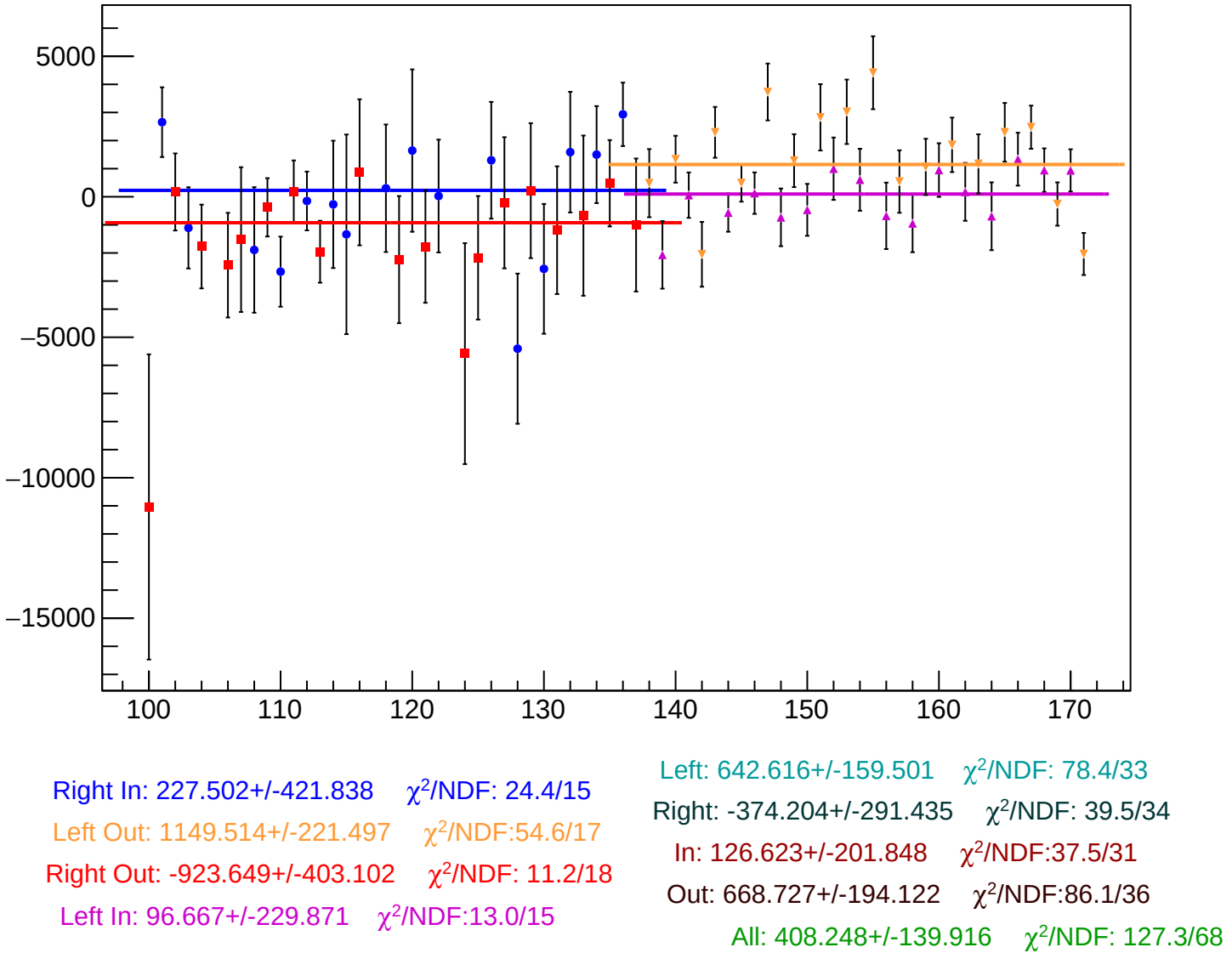
Left: 809.796+/-0.111 χ^2/NDF: 1779357.5/33

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

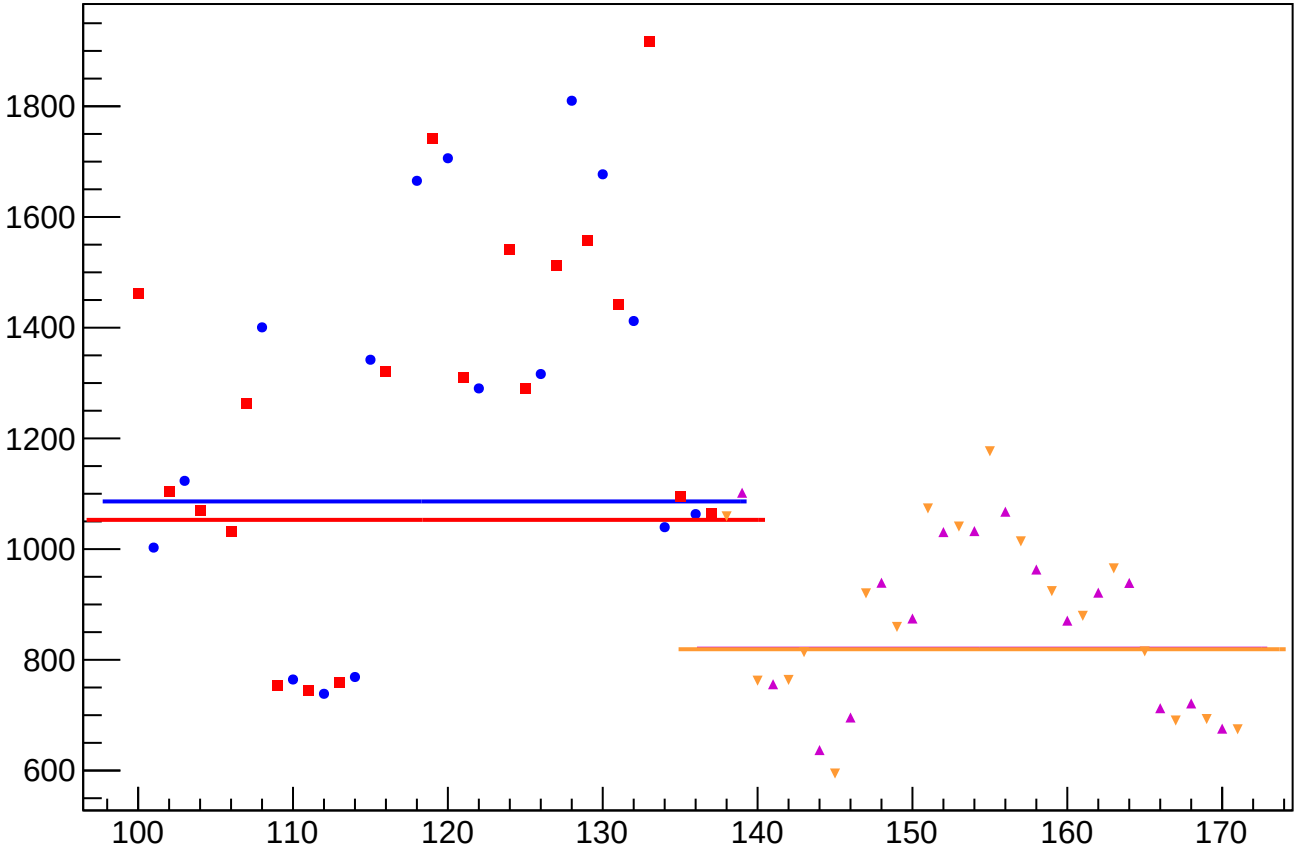
In: 870.903+/-0.141 χ^2/NDF:2466612.8/31

Out: 861.544+/-0.135 χ^2/NDF:2728096.0/36

All: 866.029+/-0.098 χ^2/NDF: 5197000.1/68


asym_sam_3748_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 227.502+/-421.838 χ²/NDF: 24.4/15
Left Out: 1149.514+/-221.497 χ²/NDF:54.6/17
Right Out: -923.649+/-403.102 χ²/NDF: 11.2/18
Left In: 96.667+/-229.871 χ²/NDF:13.0/15
Left: 642.616+/-159.501 χ²/NDF: 78.4/33
Right: -374.204+/-291.435 χ²/NDF: 39.5/34
In: 126.623+/-201.848 χ²/NDF:37.5/31
Out: 668.727+/-194.122 χ²/NDF:86.1/36
All: 408.248+/-139.916 χ²/NDF: 127.3/68

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: 820.156+/-0.163 χ^2/NDF:807374.6/15

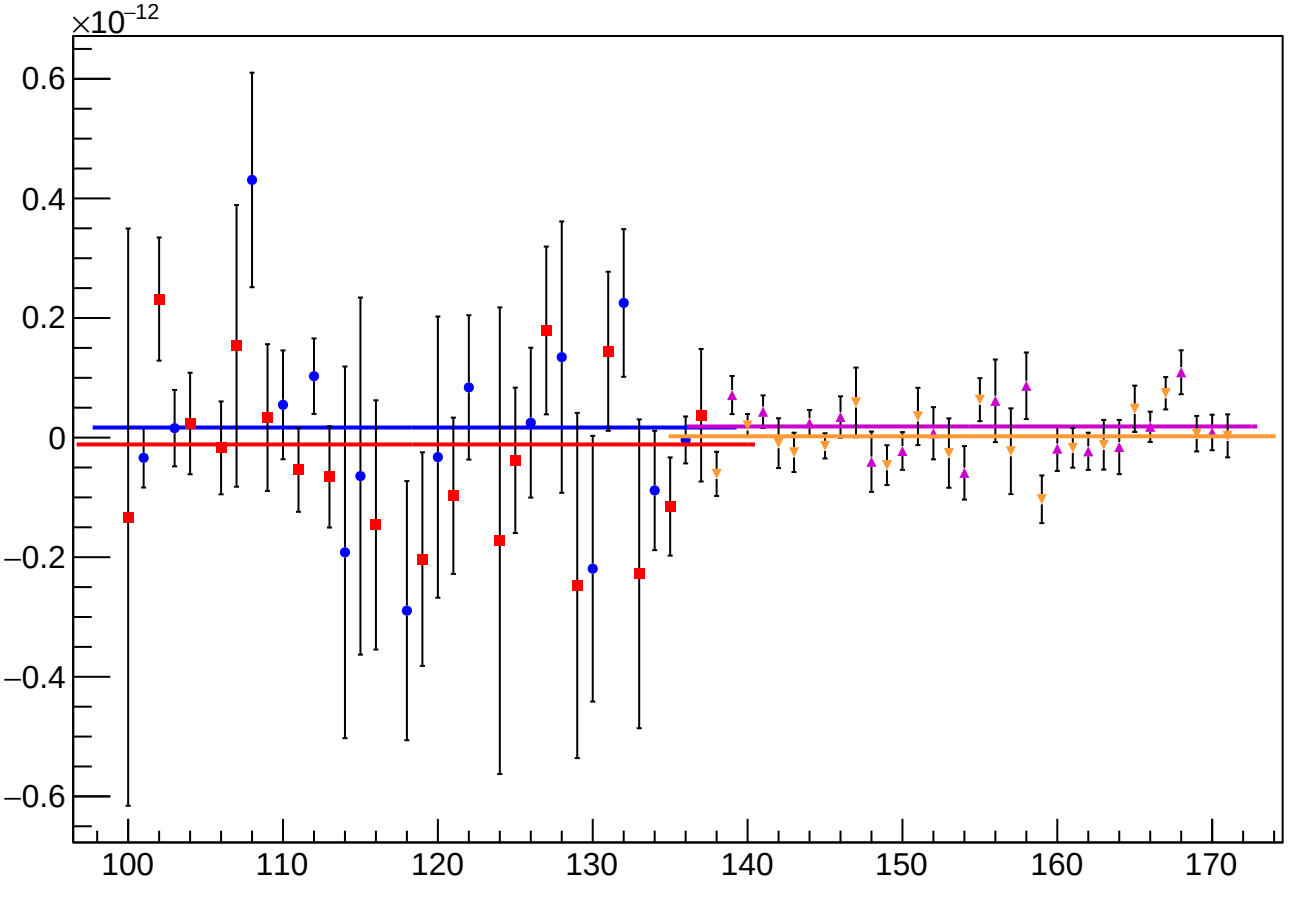
Left: 819.626+/-0.113 χ^2/NDF: 1784991.9/33

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 881.055+/-0.143 χ^2/NDF:2467935.3/31

Out: 873.331+/-0.137 χ^2/NDF:2688335.1/36

All: 877.042+/-0.099 χ^2/NDF: 5157792.0/68



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:21.4/15

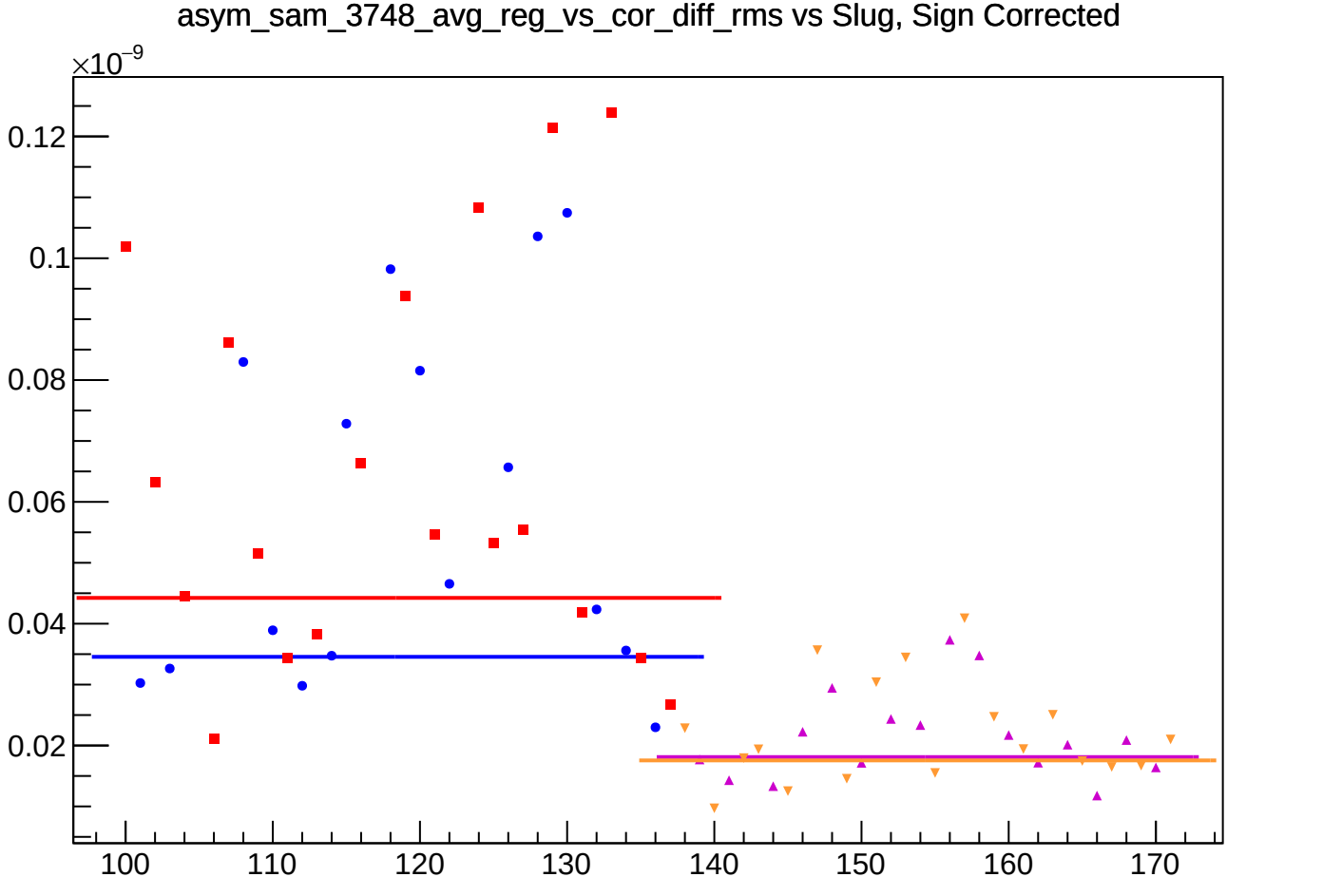
Left: 0.000+/-0.000 χ^2/NDF: 51.2/33

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:38.3/31

Out: 0.000+/-0.000 χ^2/NDF:43.9/36

All: 0.000+/-0.000 χ^2/NDF: 84.6/68



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1397348.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:835266.6/15

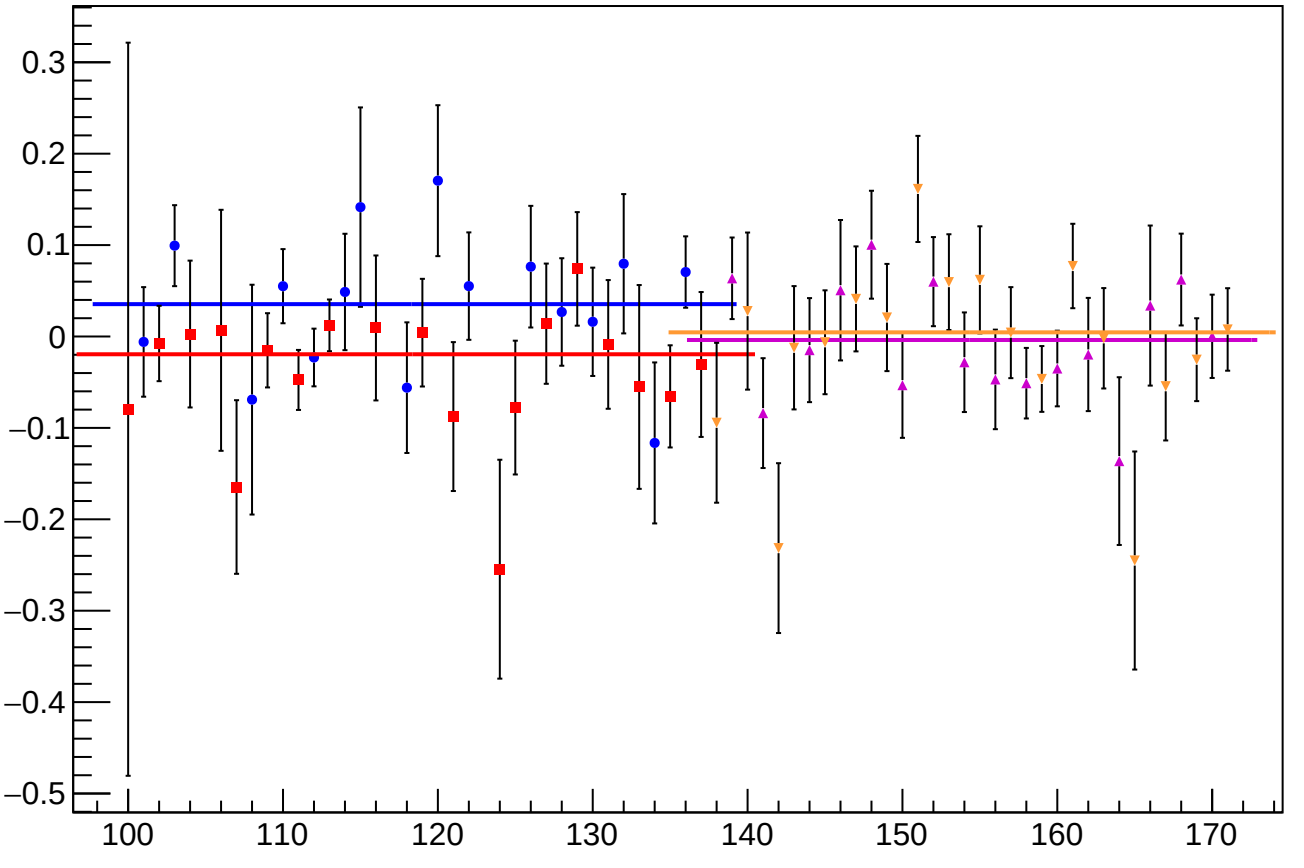
Left: 0.000+/-0.000 χ^2/NDF: 2237127.8/33

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:3011422.8/31

Out: 0.000+/-0.000 χ^2/NDF:4283592.5/36

All: 0.000+/-0.000 χ^2/NDF: 7301304.0/68



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: -0.004+/-0.013 χ^2/NDF:17.1/15

Left: 0.000+/-0.009 χ^2/NDF: 45.4/33

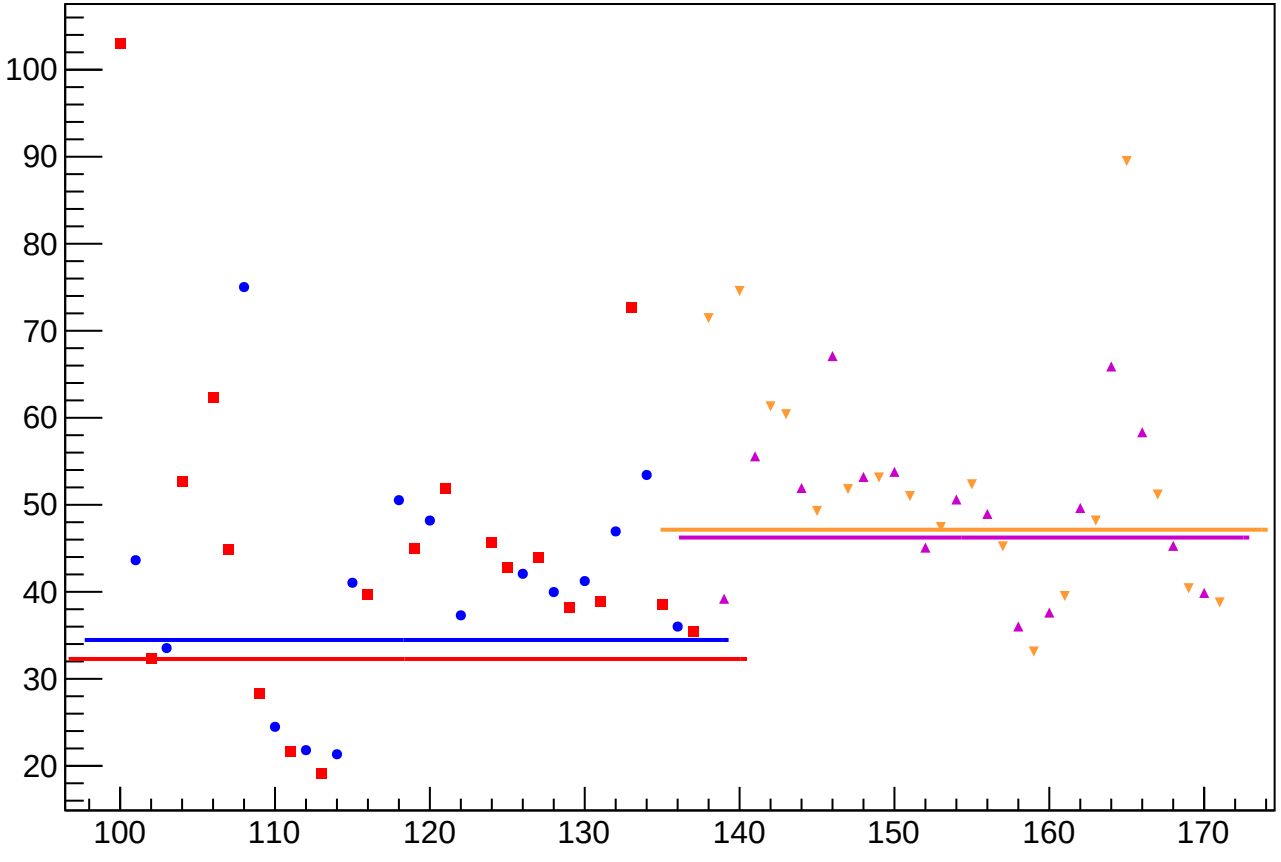
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:38.2/31

Out: -0.007+/-0.009 χ^2/NDF:43.1/36

All: 0.003+/-0.007 χ^2/NDF: 84.1/68

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 47.138+/-0.009 χ^2/NDF:1279158.4/17

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.237+/-0.009 χ^2/NDF:749285.0/15

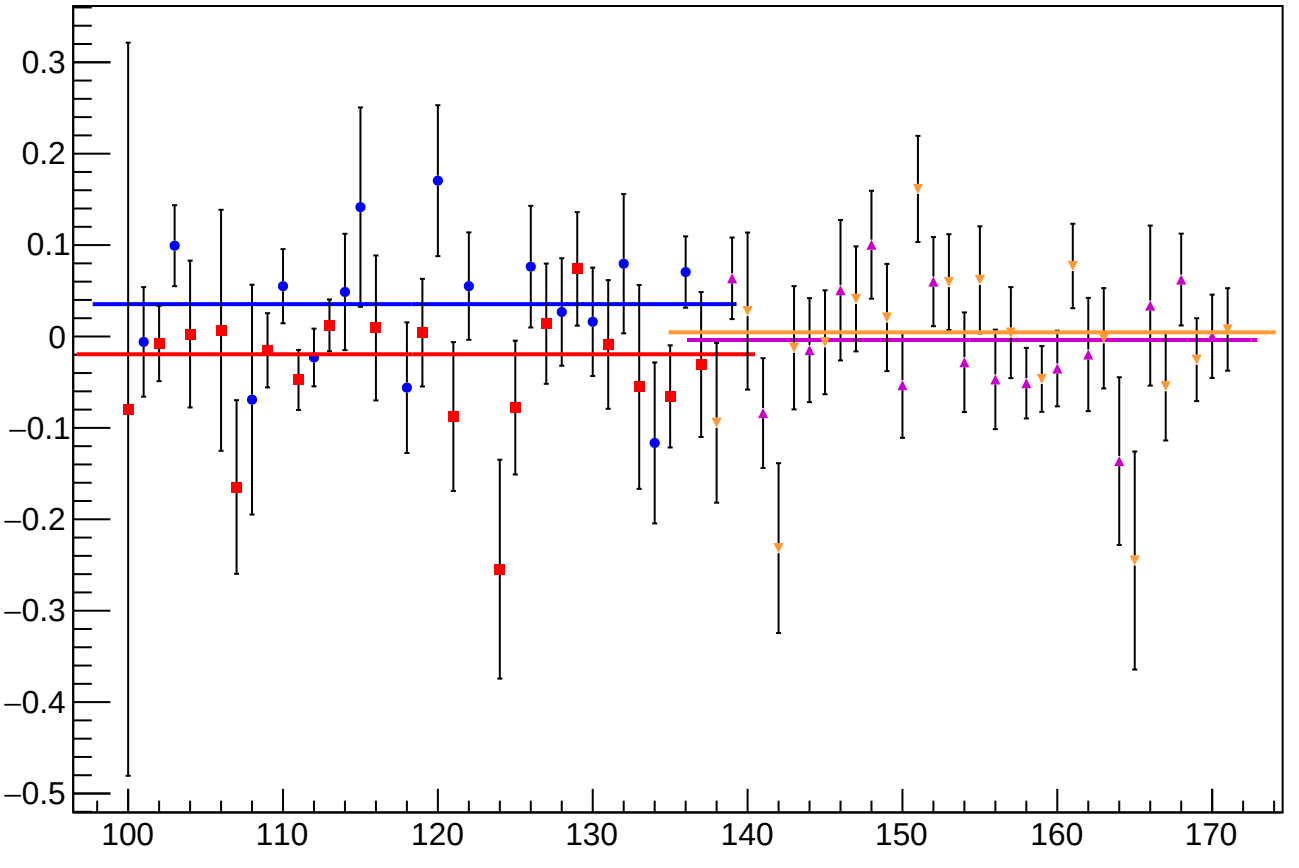
Left: 46.695+/-0.007 χ^2/NDF: 2033045.8/33

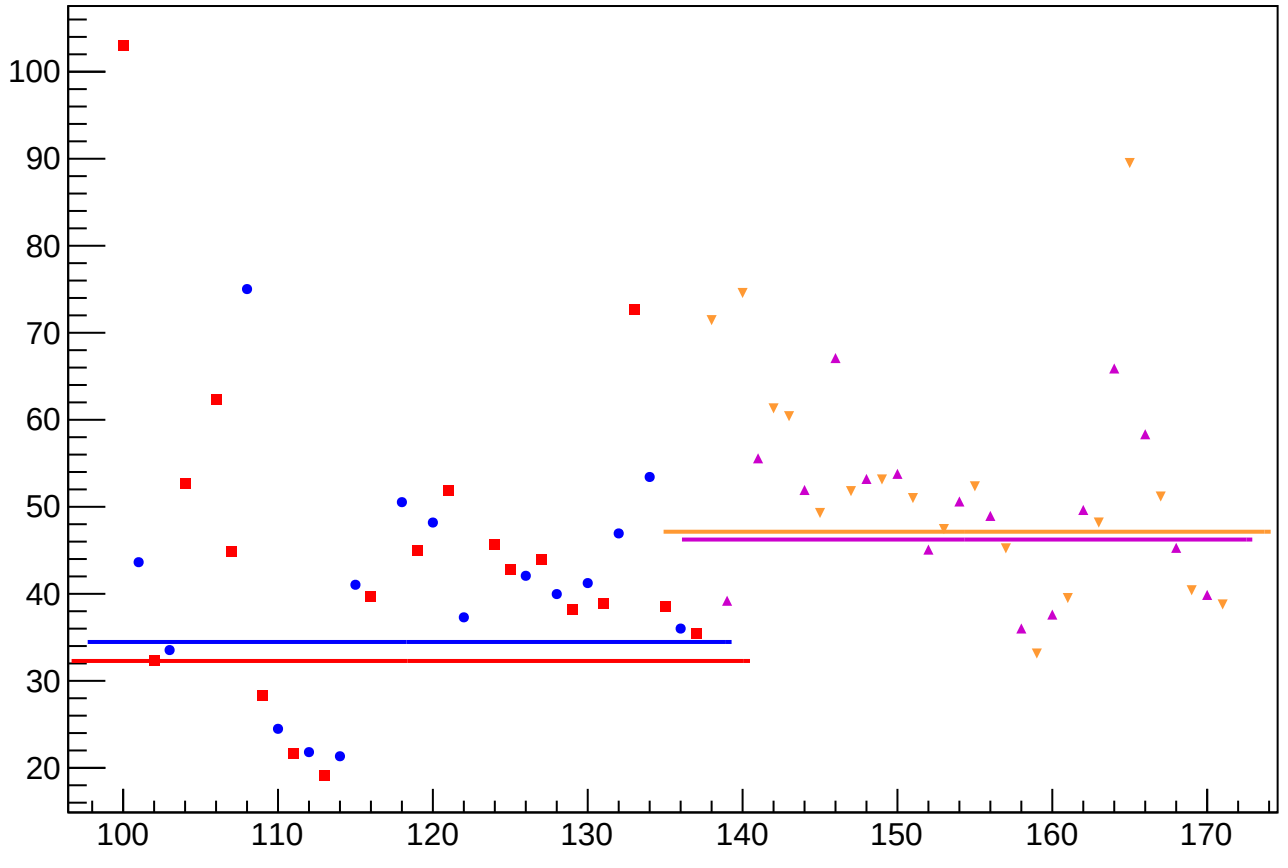
Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.571+/-0.007 χ^2/NDF:2665029.9/31

Out: 39.685+/-0.007 χ^2/NDF:4228351.5/36

All: 40.112+/-0.005 χ^2/NDF: 6902144.1/68


asym_sam_3748_avg_dit_vs_eigen_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: -0.004+/-0.013 χ²/NDF:17.1/15
Left: 0.000+/-0.009 χ²/NDF: 45.4/33
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.015+/-0.010 χ²/NDF:38.2/31
Out: -0.007+/-0.009 χ²/NDF:43.1/36
All: 0.003+/-0.007 χ²/NDF: 84.1/68



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: 46.237+/-0.009 χ^2/NDF:749285.0/15

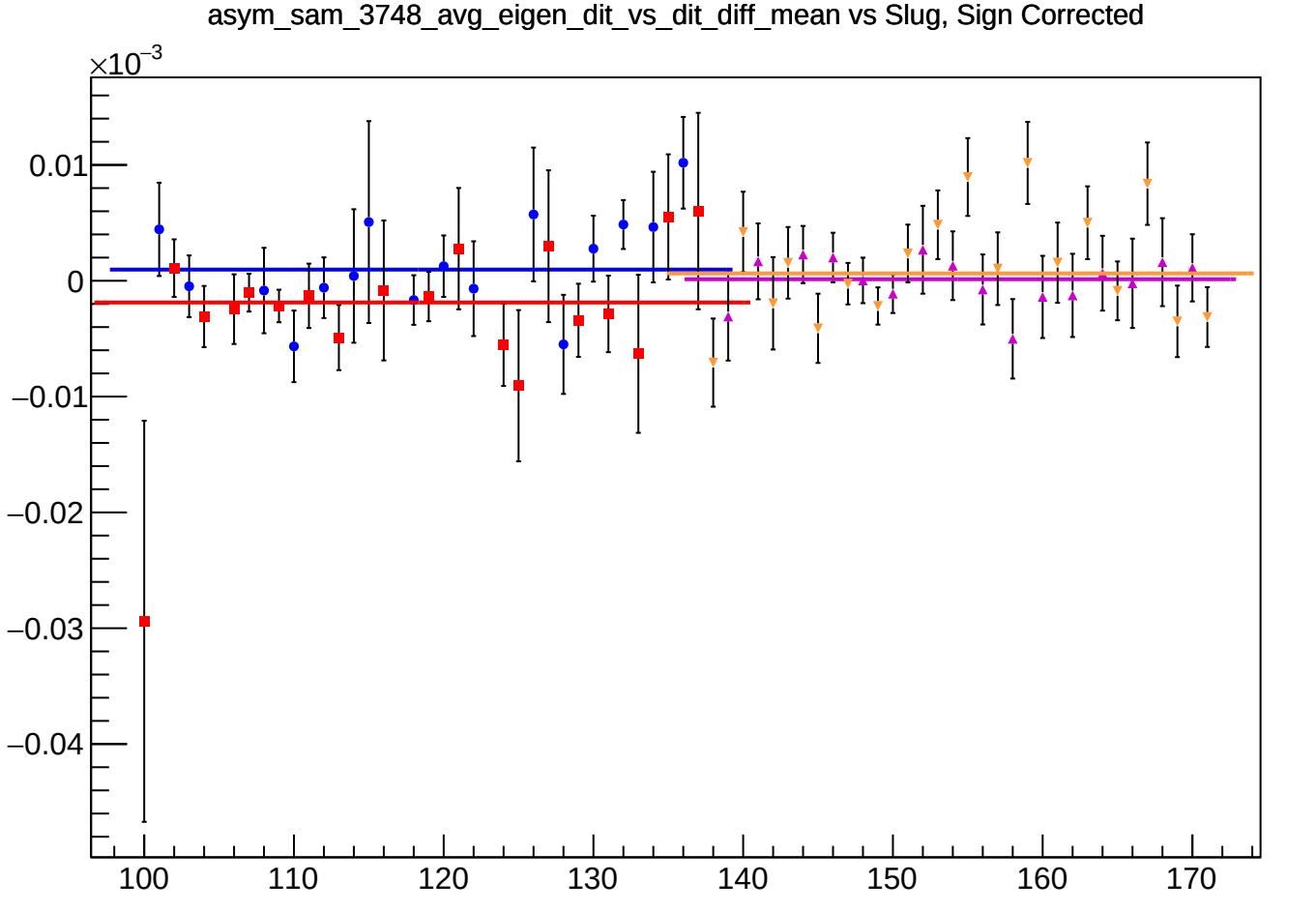
Left: 46.695+/-0.007 χ^2/NDF: 2033045.8/33

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.571+/-0.007 χ^2/NDF:2665029.9/31

Out: 39.685+/-0.007 χ^2/NDF:4228351.5/36

All: 40.112+/-0.005 χ^2/NDF: 6902144.1/68



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:6.6/15

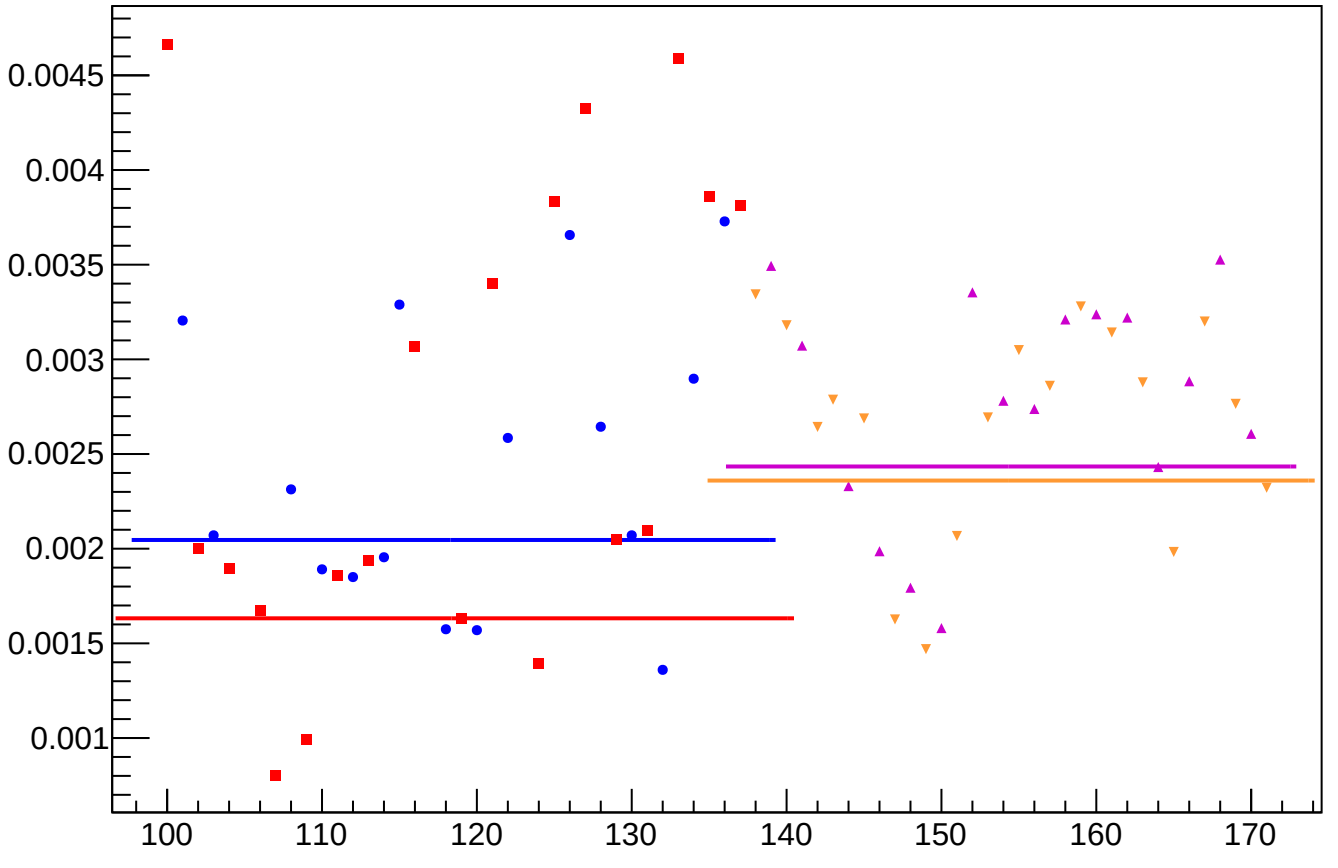
Left: 0.000+/-0.000 χ^2/NDF: 45.3/33

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

In: 0.000+/-0.000 χ^2/NDF:28.1/31

Out: -0.000+/-0.000 χ^2/NDF:58.5/36

All: -0.000+/-0.000 χ^2/NDF: 88.9/68



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:1722171.1/15

Left: 0.002+/-0.000 χ^2/NDF: 3669318.5/33

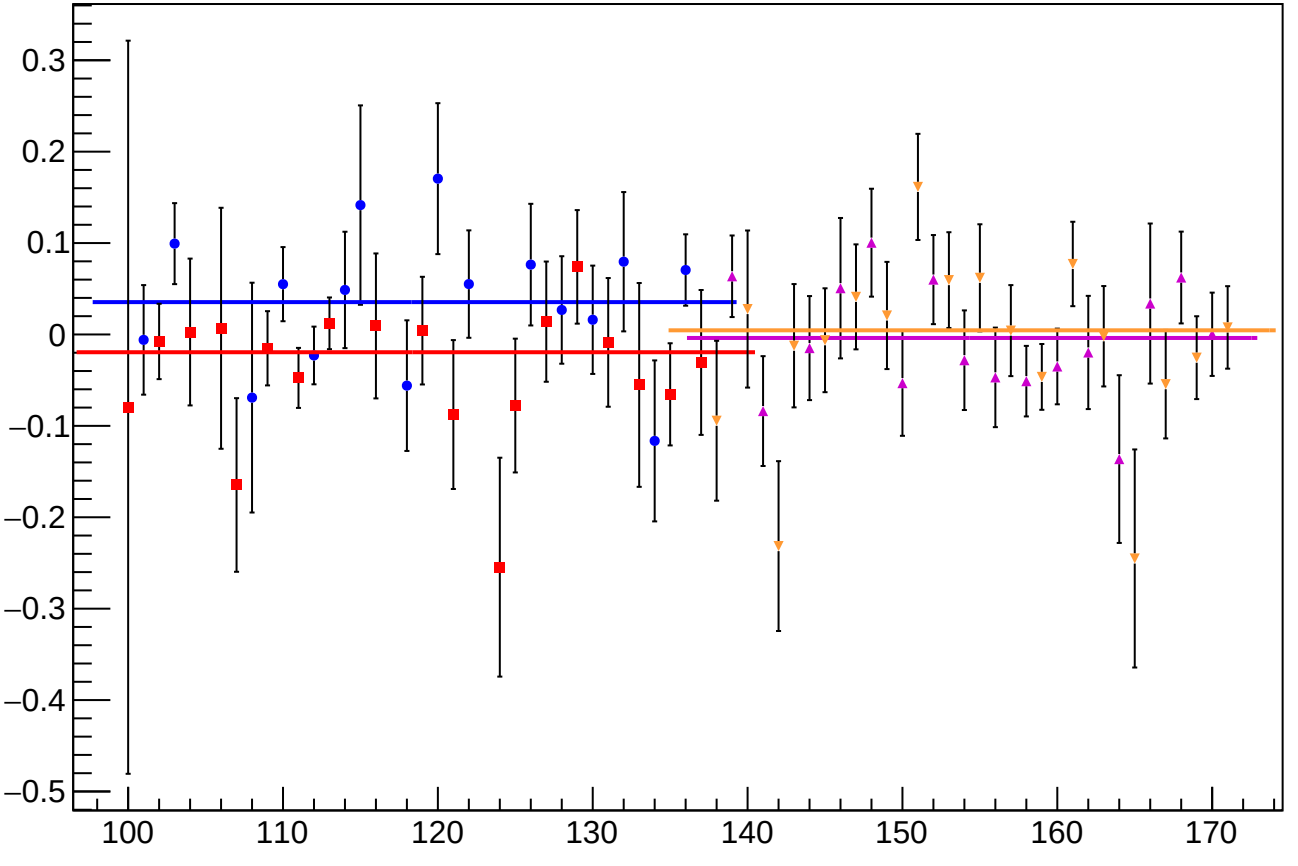
Right: 0.002+/-0.000 χ^2/NDF: 4499888.8/34

In: 0.002+/-0.000 χ^2/NDF:3246422.6/31

Out: 0.002+/-0.000 χ^2/NDF:6073846.0/36

All: 0.002+/-0.000 χ^2/NDF: 9596646.1/68

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.005+/-0.013 χ^2/NDF:28.0/17

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.004+/-0.013 χ^2/NDF:17.1/15

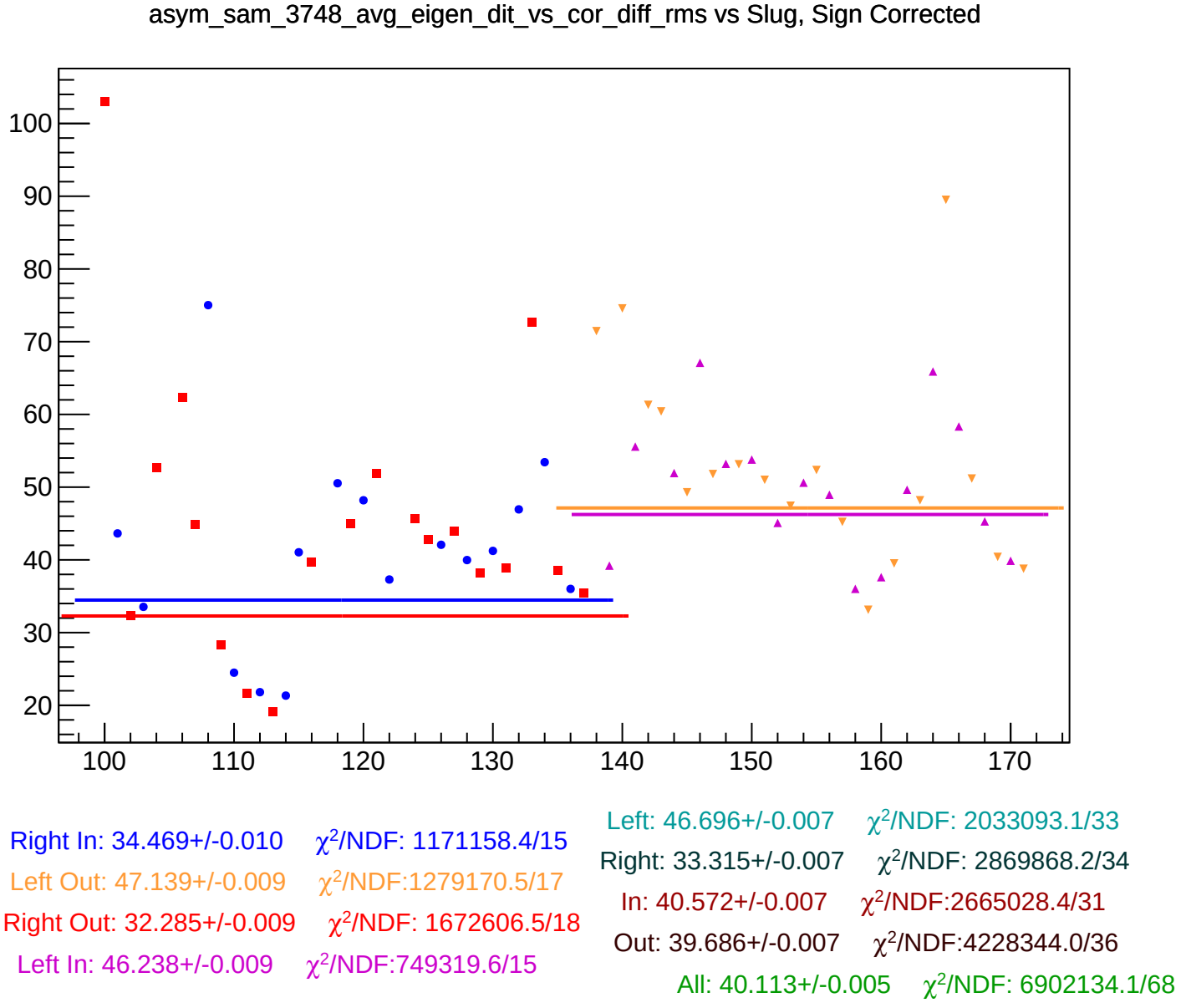
Left: 0.000+/-0.009 χ^2/NDF: 45.4/33

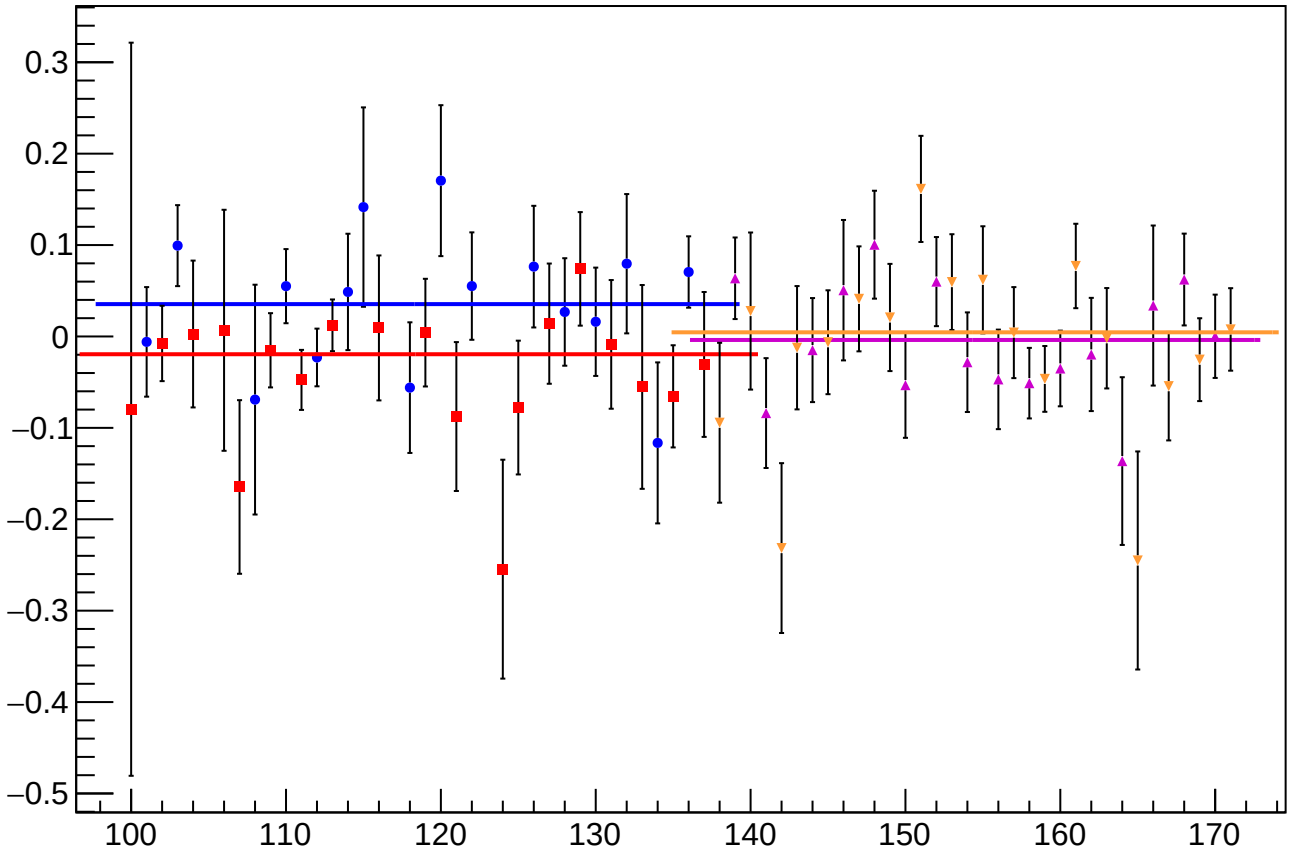
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:38.2/31

Out: -0.007+/-0.009 χ^2/NDF:43.1/36

All: 0.003+/-0.007 χ^2/NDF: 84.1/68


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: 46.238+/-0.009 χ²/NDF:749319.6/15
Left: 46.696+/-0.007 χ²/NDF: 2033093.1/33
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 40.572+/-0.007 χ²/NDF:2665028.4/31
Out: 39.686+/-0.007 χ²/NDF:4228344.0/36
All: 40.113+/-0.005 χ²/NDF: 6902134.1/68



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: -0.004+/-0.013 χ^2/NDF:17.1/15

Left: 0.000+/-0.009 χ^2/NDF: 45.4/33

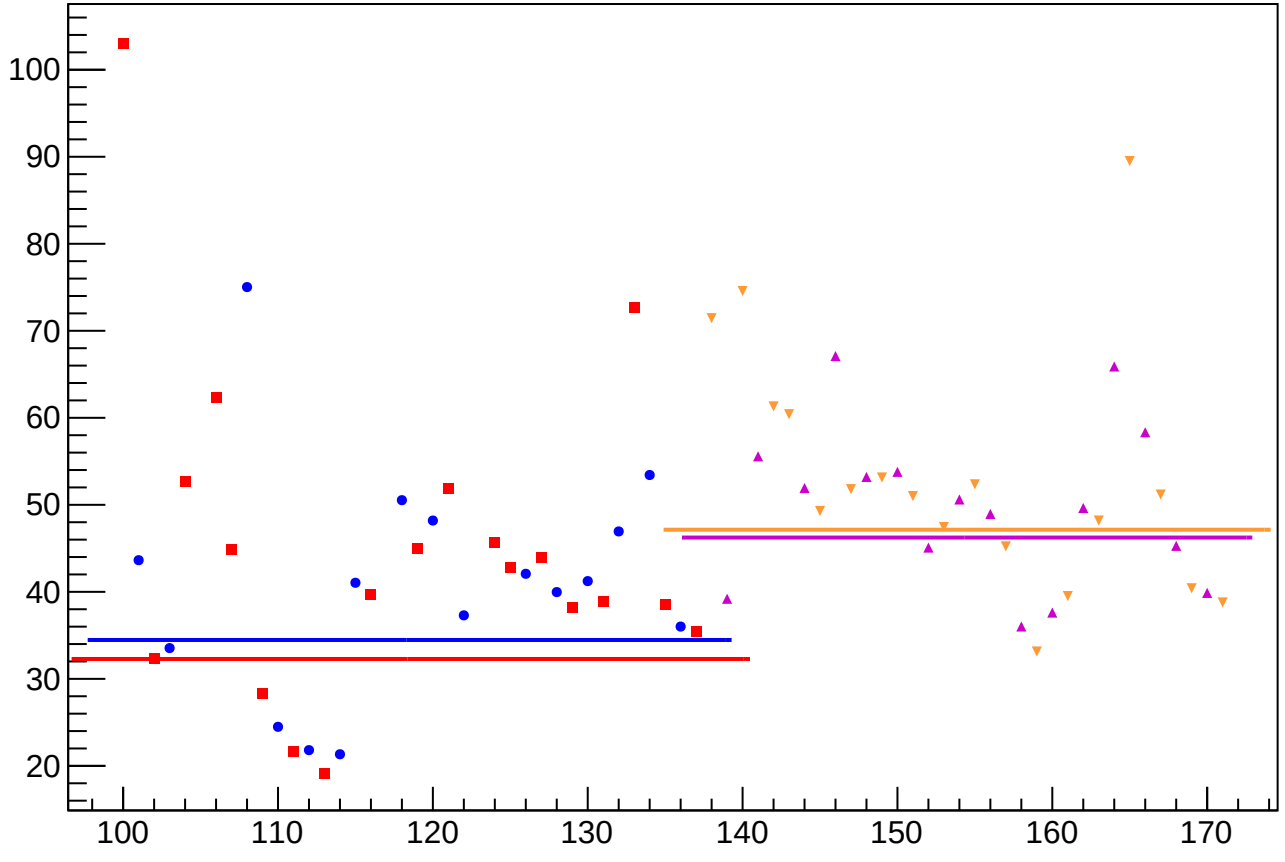
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.010 χ^2/NDF:38.2/31

Out: -0.007+/-0.009 χ^2/NDF:43.1/36

All: 0.003+/-0.007 χ^2/NDF: 84.1/68

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: 46.238+/-0.009 χ^2/NDF:749319.6/15

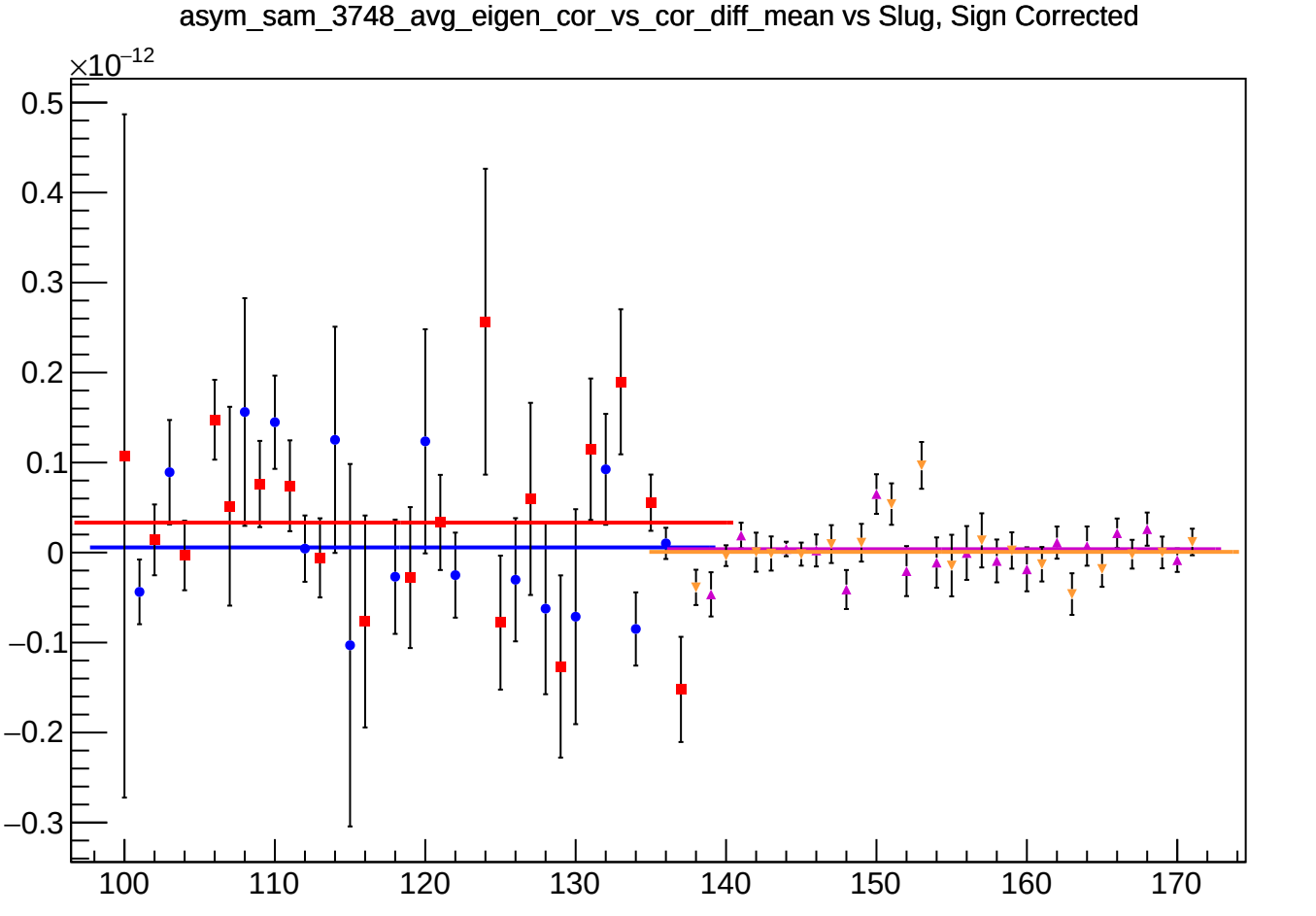
Left: 46.696+/-0.007 χ^2/NDF: 2033093.1/33

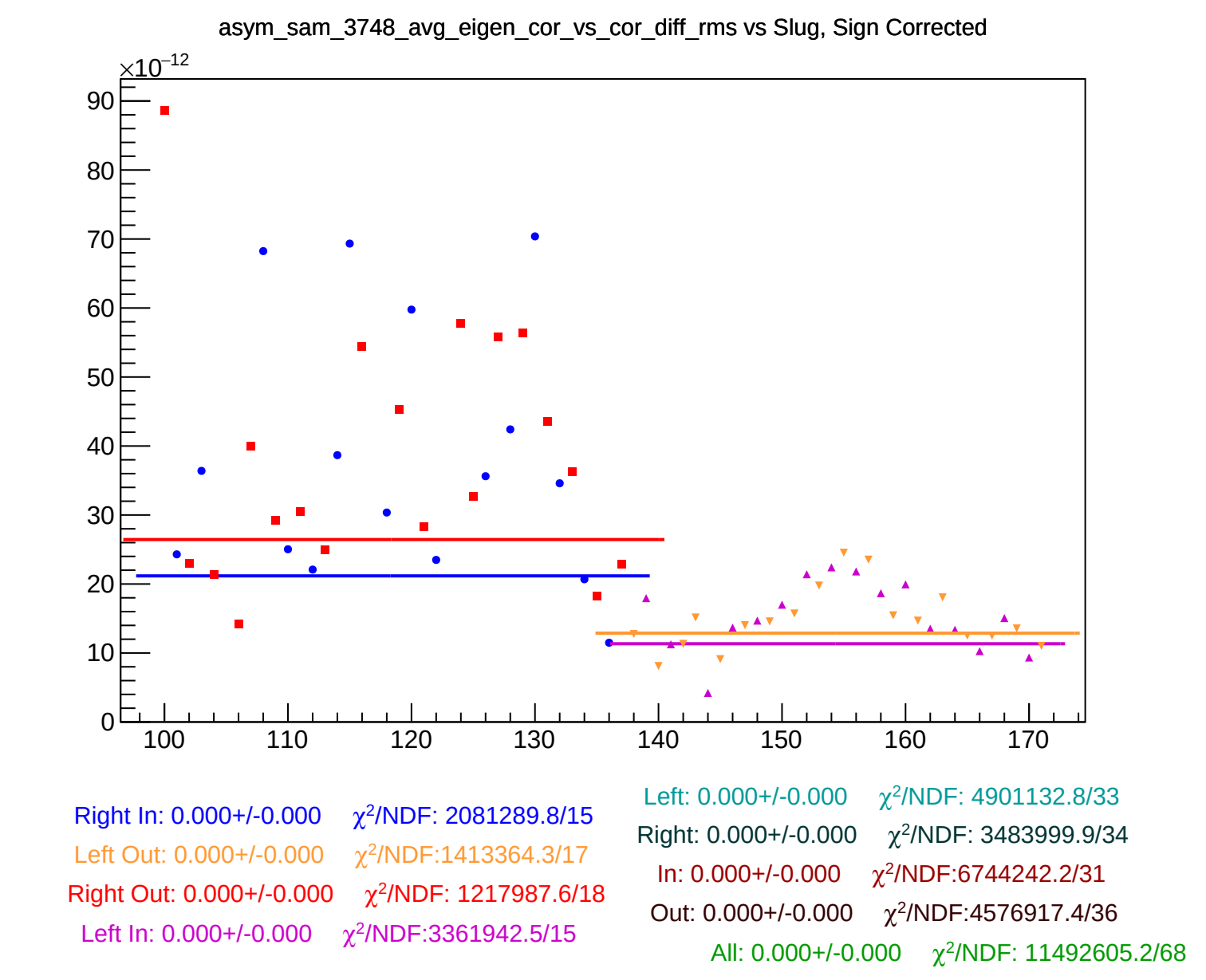
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

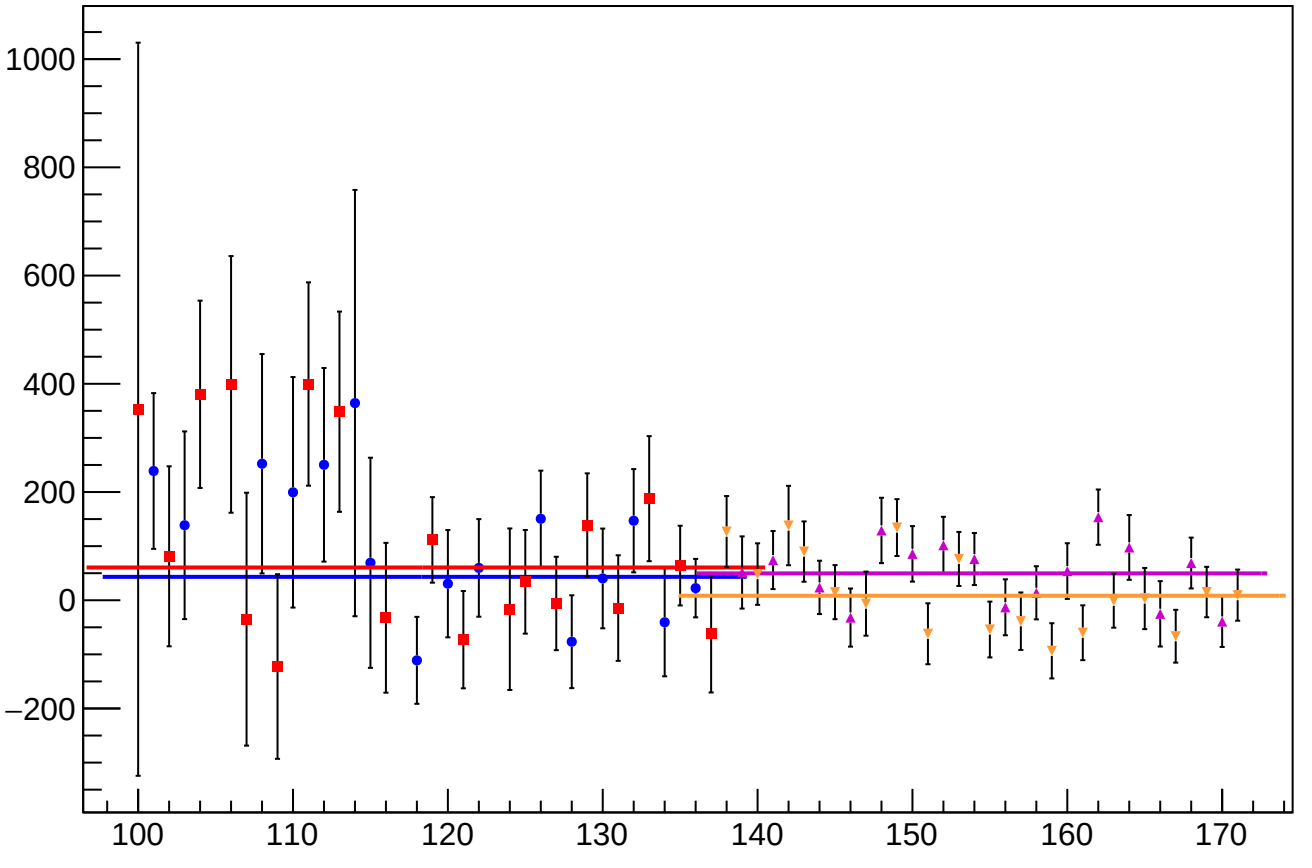
In: 40.572+/-0.007 χ^2/NDF:2665028.4/31

Out: 39.686+/-0.007 χ^2/NDF:4228344.0/36

All: 40.113+/-0.005 χ^2/NDF: 6902134.1/68


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:23.3/15
Left: 0.000+/-0.000 χ²/NDF: 53.7/33
Right: 0.000+/-0.000 χ²/NDF: 59.6/34
In: 0.000+/-0.000 χ²/NDF:46.9/31
Out: 0.000+/-0.000 χ²/NDF:69.2/36
All: 0.000+/-0.000 χ²/NDF: 116.1/68


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:3361942.5/15
Left: 0.000+/-0.000 χ²/NDF: 4901132.8/33
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:6744242.2/31
Out: 0.000+/-0.000 χ²/NDF:4576917.4/36
All: 0.000+/-0.000 χ²/NDF: 11492605.2/68



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: 49.676+/-13.142 χ^2/NDF:18.4/15

Left: 28.061+/-9.072 χ^2/NDF: 52.3/33

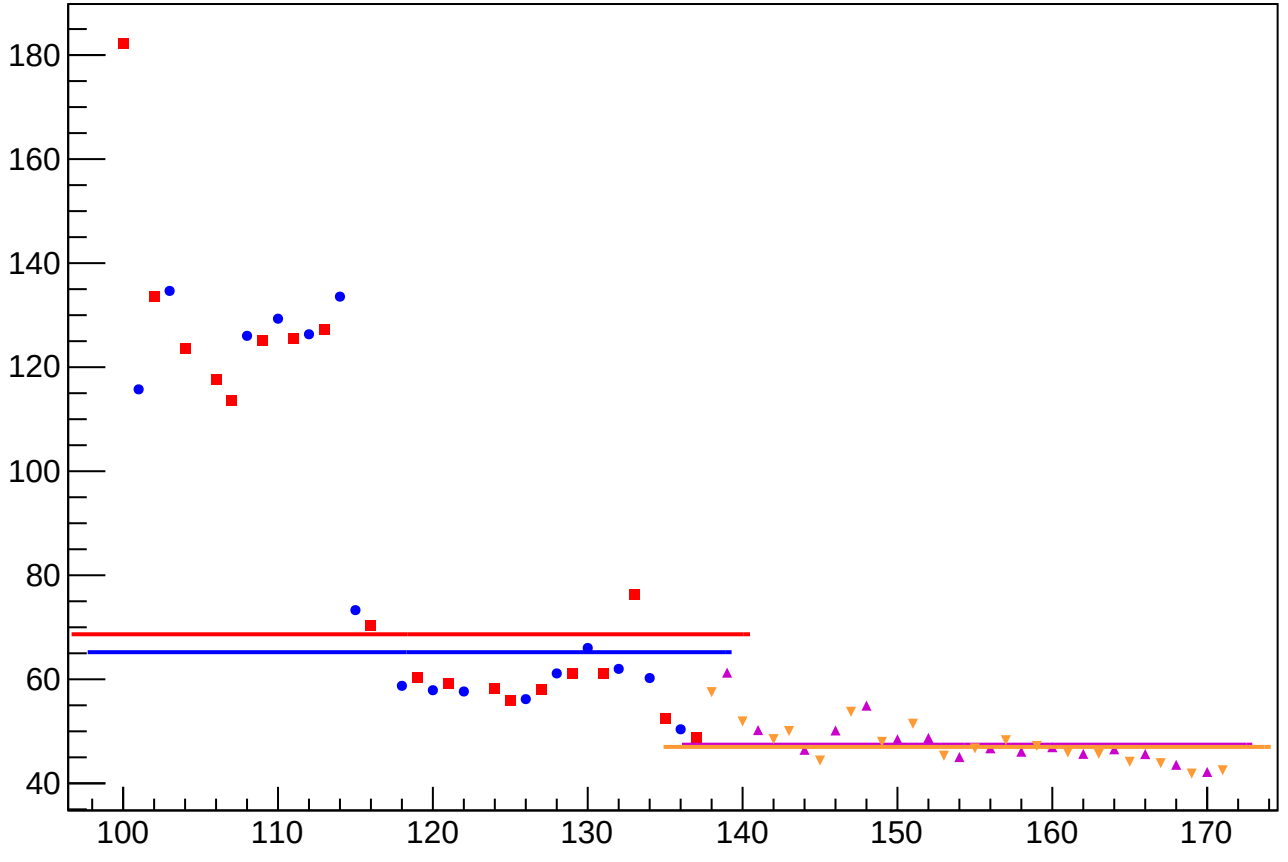
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 48.350+/-11.708 χ^2/NDF:33.4/31

Out: 17.704+/-11.364 χ^2/NDF:52.2/36

All: 32.570+/-8.155 χ^2/NDF: 89.1/68

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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: 47.432+/-0.009 χ^2/NDF:180530.4/15

Left: 47.209+/-0.006 χ^2/NDF: 360814.3/33

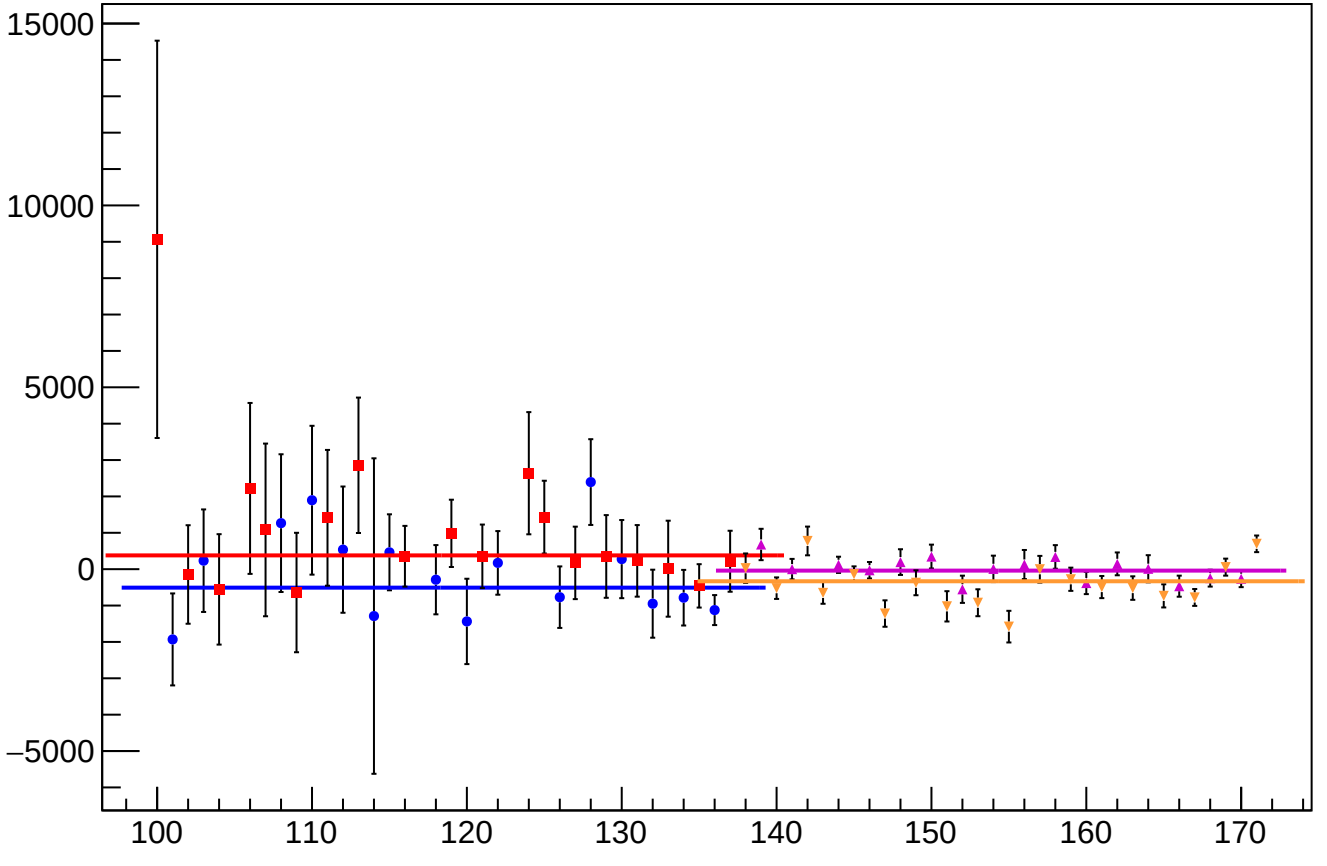
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 51.099+/-0.008 χ^2/NDF:2382164.1/31

Out: 50.872+/-0.008 χ^2/NDF:2884751.9/36

All: 50.982+/-0.006 χ^2/NDF: 5267304.5/68

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: -39.509+/-73.939 χ^2/NDF:14.1/15

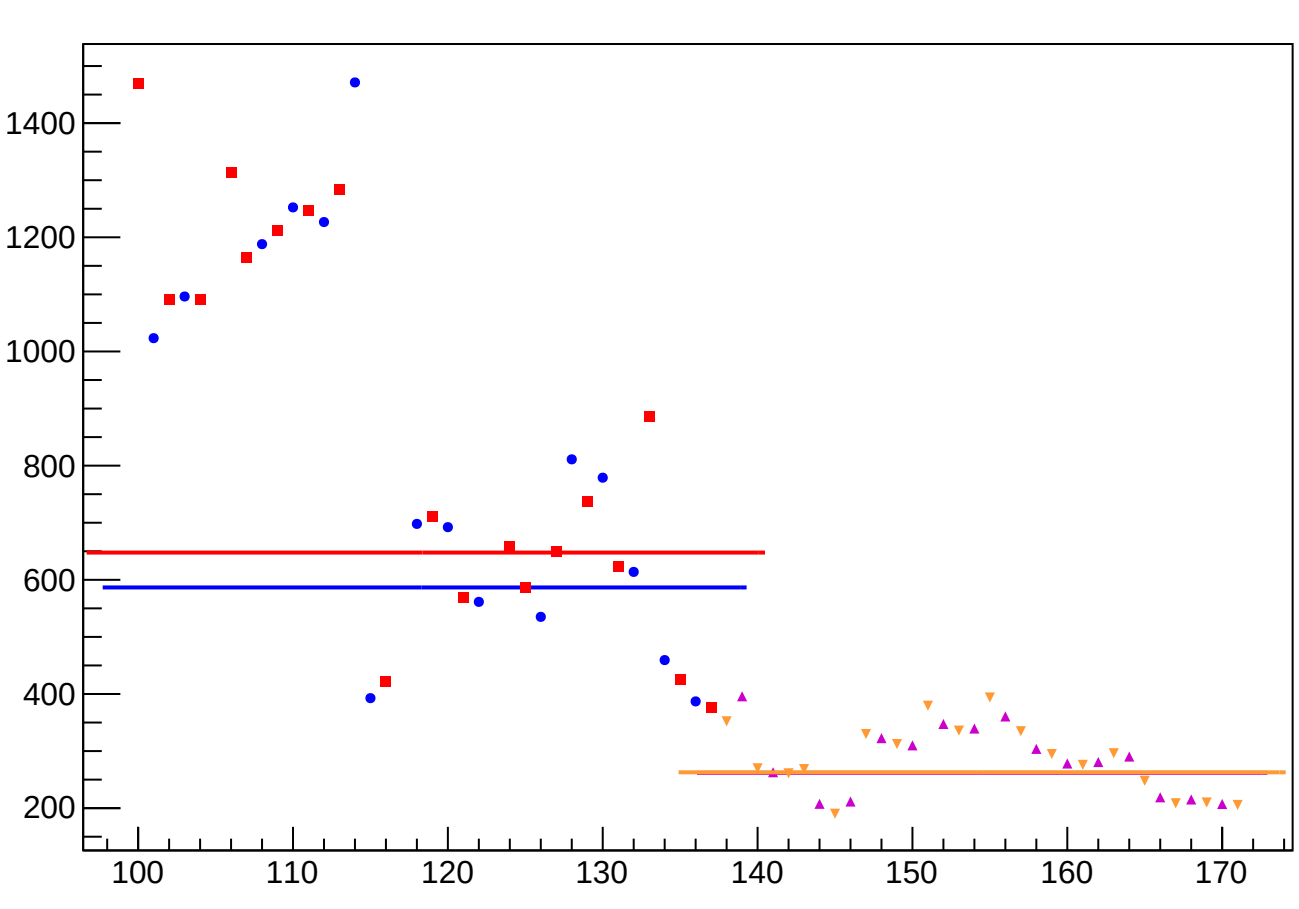
Left: -190.782+/-51.429 χ^2/NDF: 82.5/33

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: -81.075+/-70.582 χ^2/NDF:33.3/31

Out: -281.124+/-68.945 χ^2/NDF:79.2/36

All: -183.446+/-49.320 χ^2/NDF: 116.6/68



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: 261.802+/-0.052 χ^2/NDF:1125826.6/15

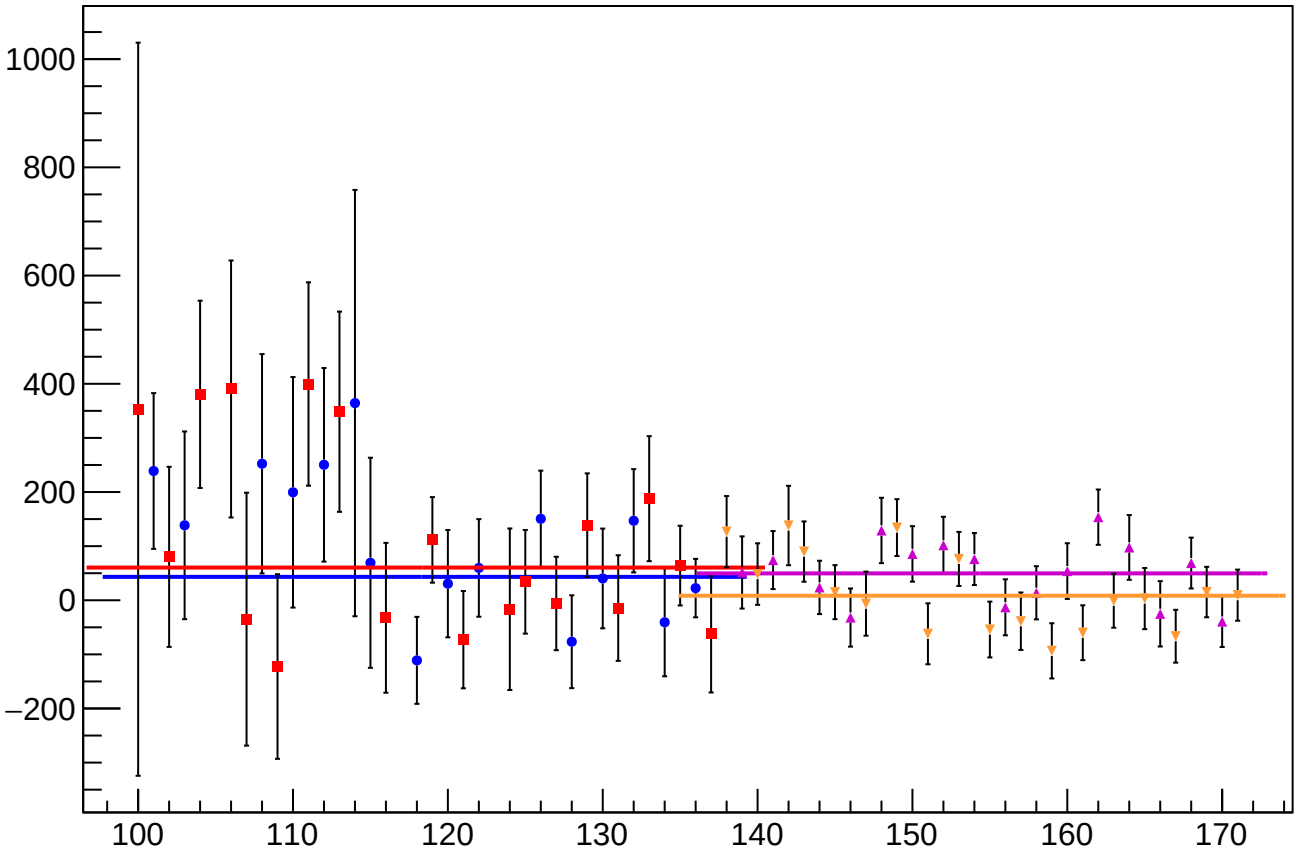
Left: 262.325+/-0.036 χ^2/NDF: 2446859.8/33

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 290.628+/-0.050 χ^2/NDF:6604482.3/31

Out: 290.645+/-0.049 χ^2/NDF:7607862.0/36

All: 290.637+/-0.035 χ^2/NDF: 14212344.4/68



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: 49.674+/-13.142 χ^2/NDF:18.4/15

Left: 28.060+/-9.072 χ^2/NDF: 52.3/33

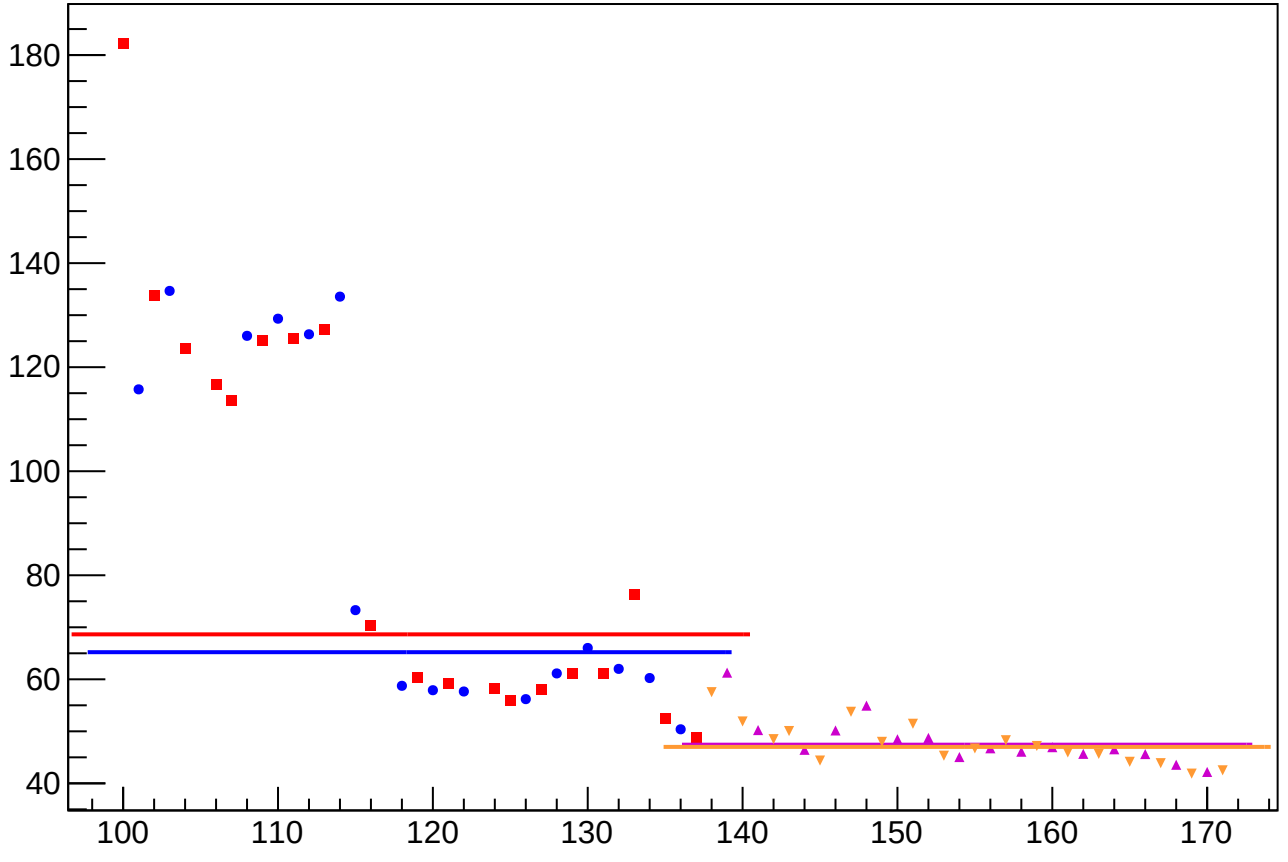
Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 48.347+/-11.708 χ^2/NDF:33.4/31

Out: 17.678+/-11.364 χ^2/NDF:52.1/36

All: 32.555+/-8.155 χ^2/NDF: 89.0/68

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: 47.432+/-0.009 χ^2/NDF:180530.3/15

Left: 47.209+/-0.006 χ^2/NDF: 360814.3/33

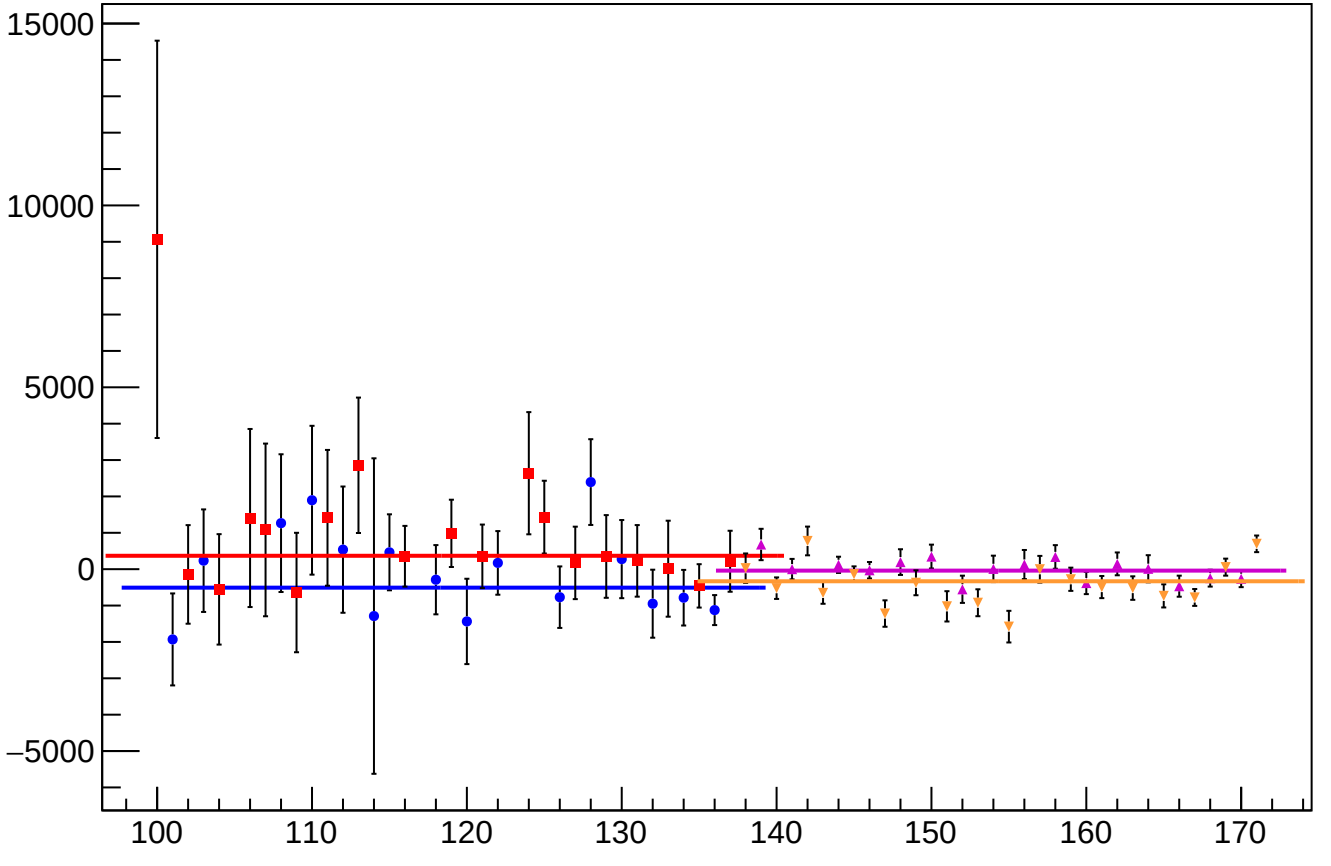
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 51.099+/-0.008 χ^2/NDF:2382166.1/31

Out: 50.869+/-0.008 χ^2/NDF:2879941.4/36

All: 50.981+/-0.006 χ^2/NDF: 5262505.6/68

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: -39.512+/-73.939 χ^2/NDF:14.1/15

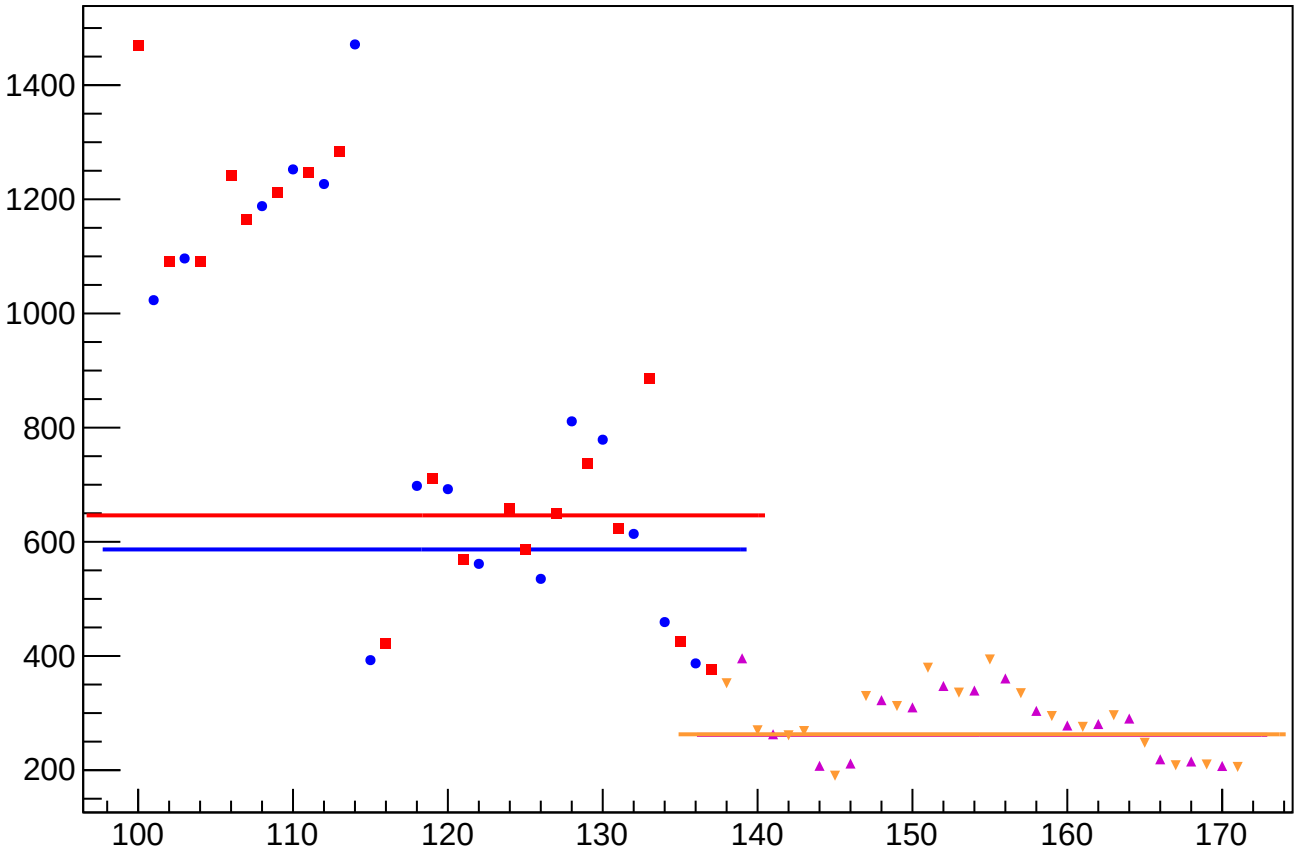
Left: -190.782+/-51.429 χ^2/NDF: 82.5/33

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -81.075+/-70.582 χ^2/NDF:33.3/31

Out: -281.931+/-68.948 χ^2/NDF:78.5/36

All: -183.855+/-49.321 χ^2/NDF: 116.0/68



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: 261.802+/-0.052 χ^2/NDF:1125824.3/15

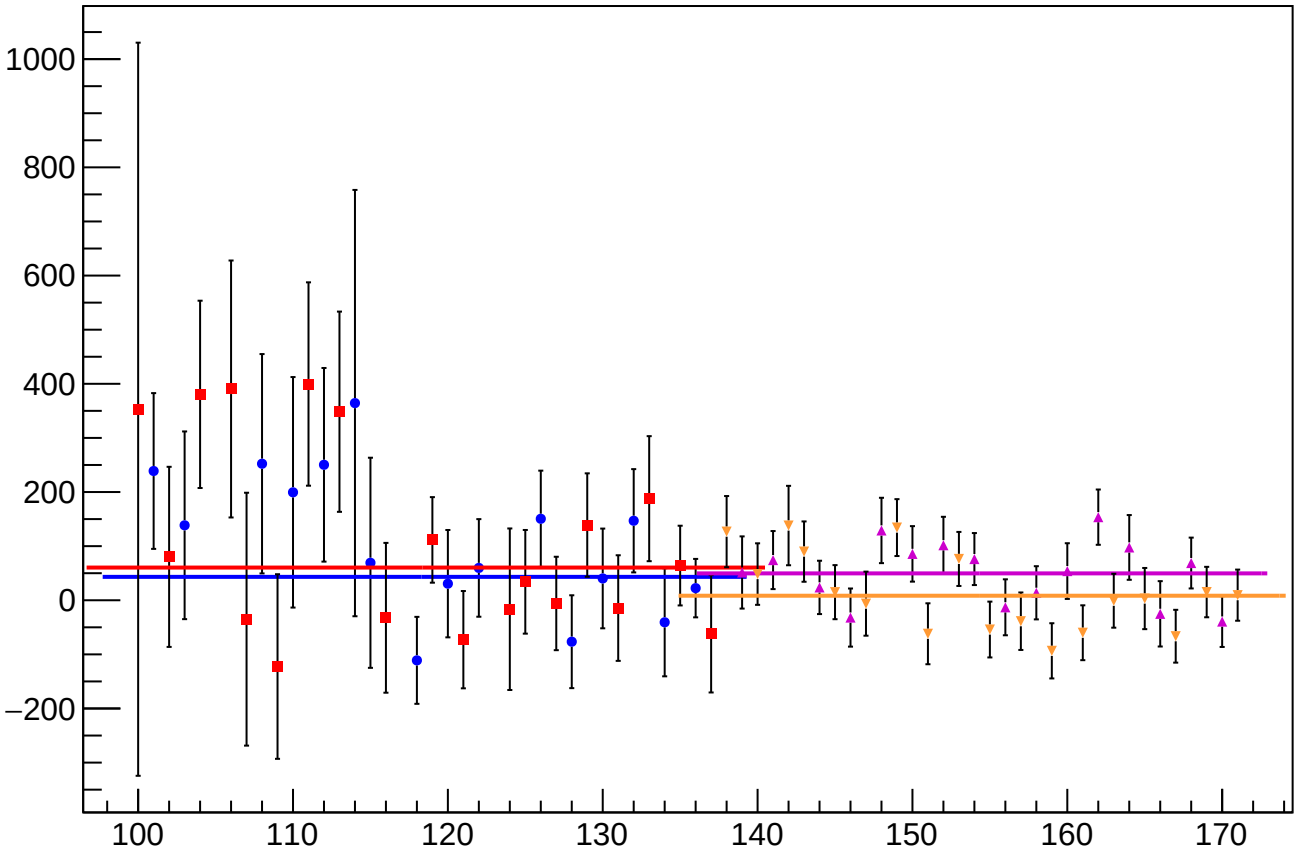
Left: 262.325+/-0.036 χ^2/NDF: 2446864.3/33

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 290.627+/-0.050 χ^2/NDF:6604501.3/31

Out: 290.518+/-0.049 χ^2/NDF:7531075.7/36

All: 290.571+/-0.035 χ^2/NDF: 14135579.5/68



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: 49.674+/-13.142 χ^2/NDF:18.4/15

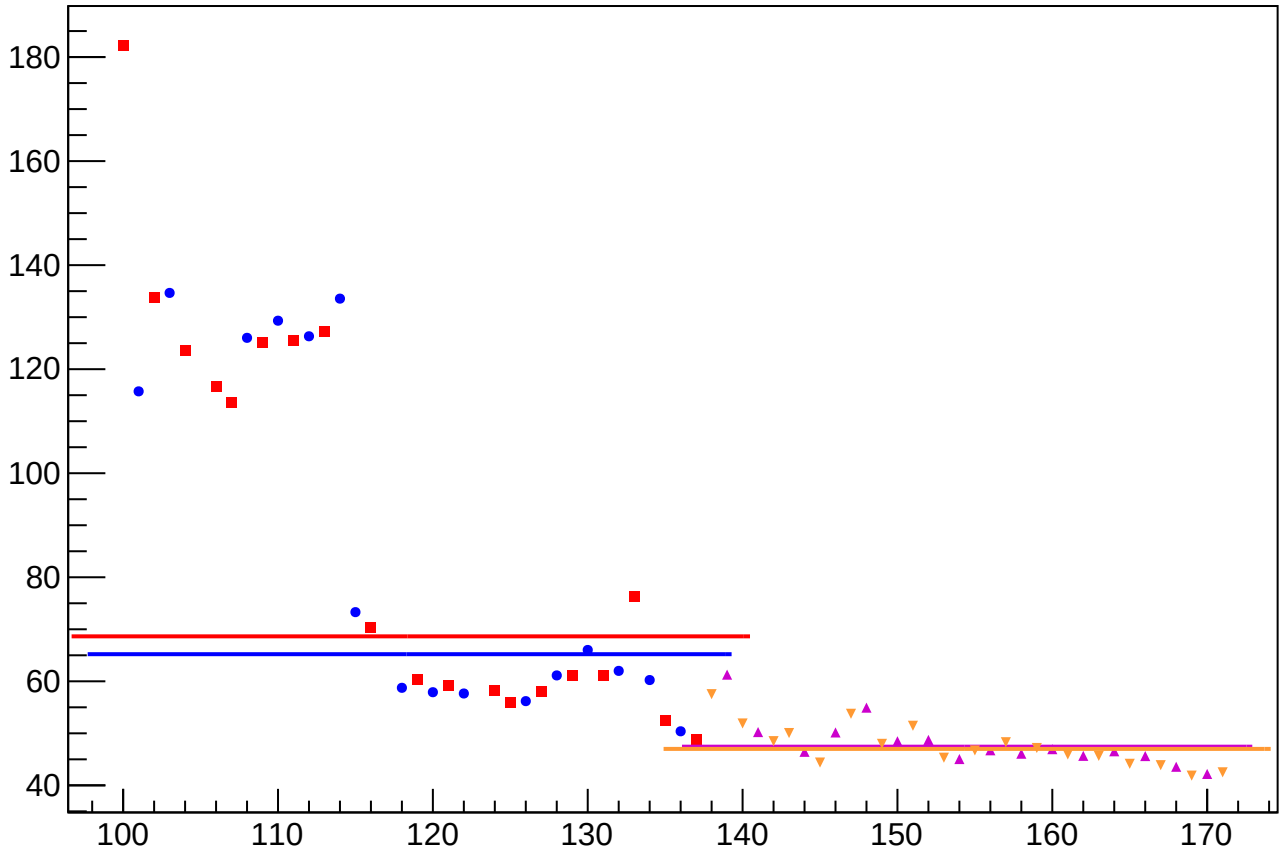
Left: 28.060+/-9.072 χ^2/NDF: 52.3/33

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 48.347+/-11.708 χ^2/NDF:33.4/31

Out: 17.678+/-11.364 χ^2/NDF:52.1/36

All: 32.555+/-8.155 χ^2/NDF: 89.0/68



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: 47.432+/-0.009 χ^2/NDF:180530.3/15

Left: 47.209+/-0.006 χ^2/NDF: 360814.3/33

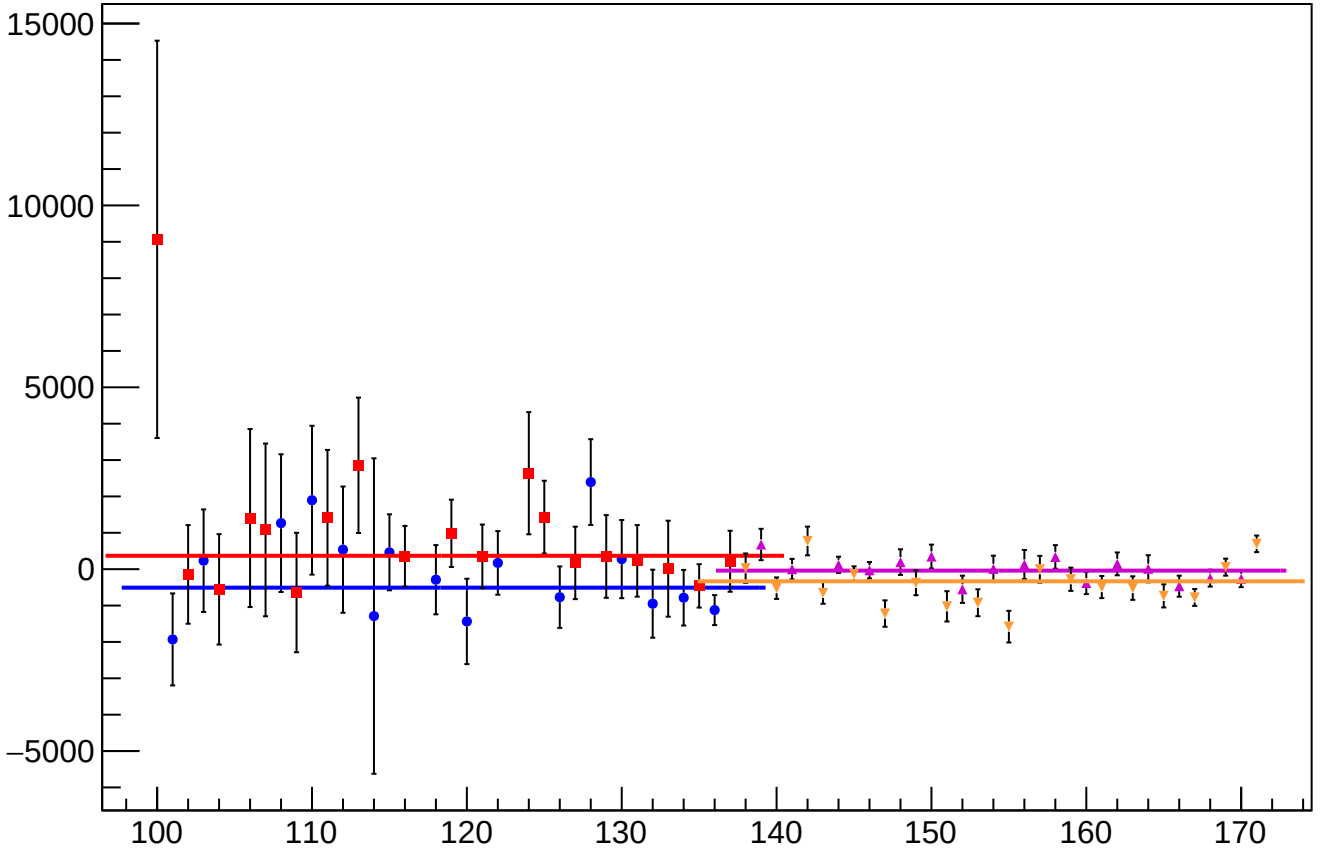
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 51.099+/-0.008 χ^2/NDF:2382166.1/31

Out: 50.869+/-0.008 χ^2/NDF:2879941.4/36

All: 50.981+/-0.006 χ^2/NDF: 5262505.6/68

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: -39.512+/-73.939 χ^2/NDF:14.1/15

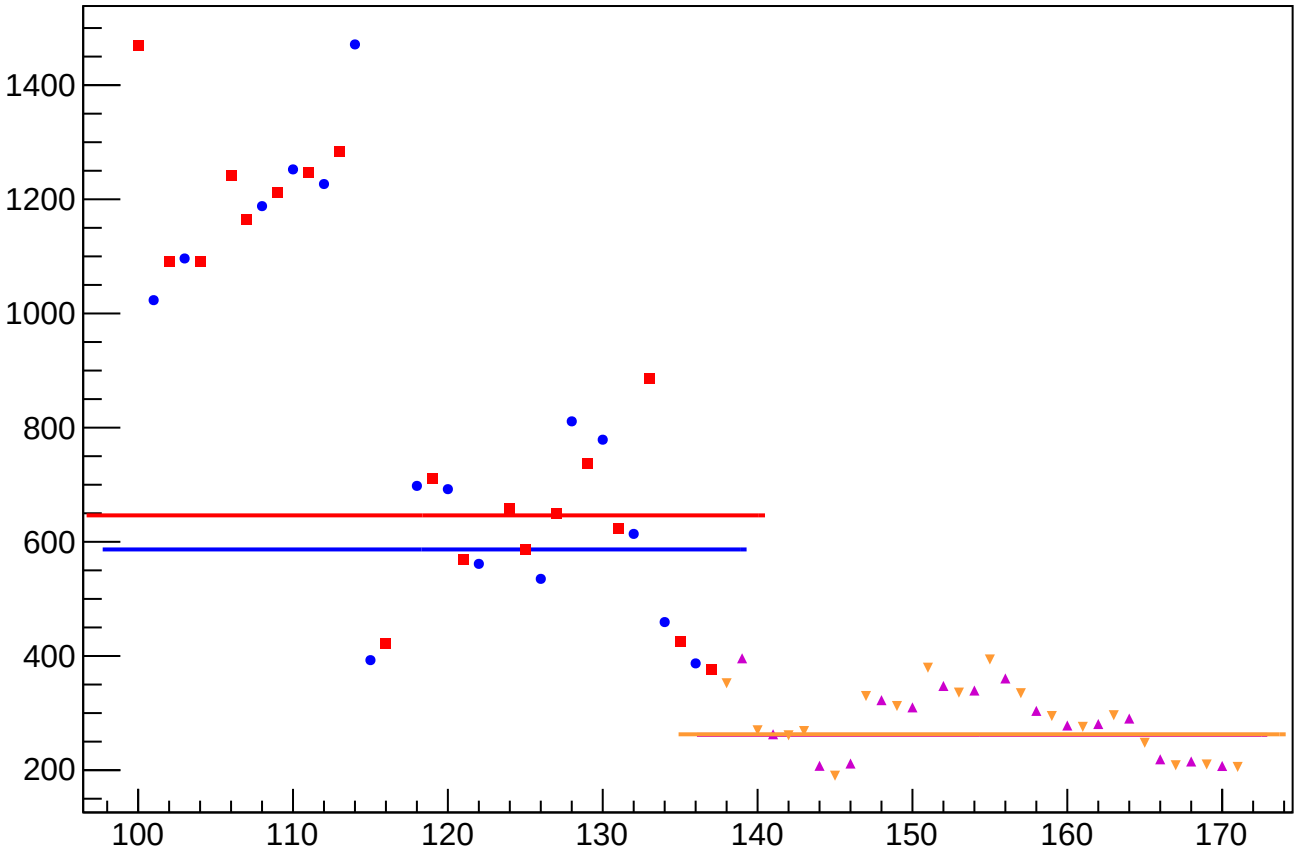
Left: -190.782+/-51.429 χ^2/NDF: 82.5/33

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: -81.075+/-70.582 χ^2/NDF:33.3/31

Out: -281.931+/-68.948 χ^2/NDF:78.5/36

All: -183.855+/-49.321 χ^2/NDF: 116.0/68



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: 261.802+/-0.052 χ^2/NDF:1125824.3/15

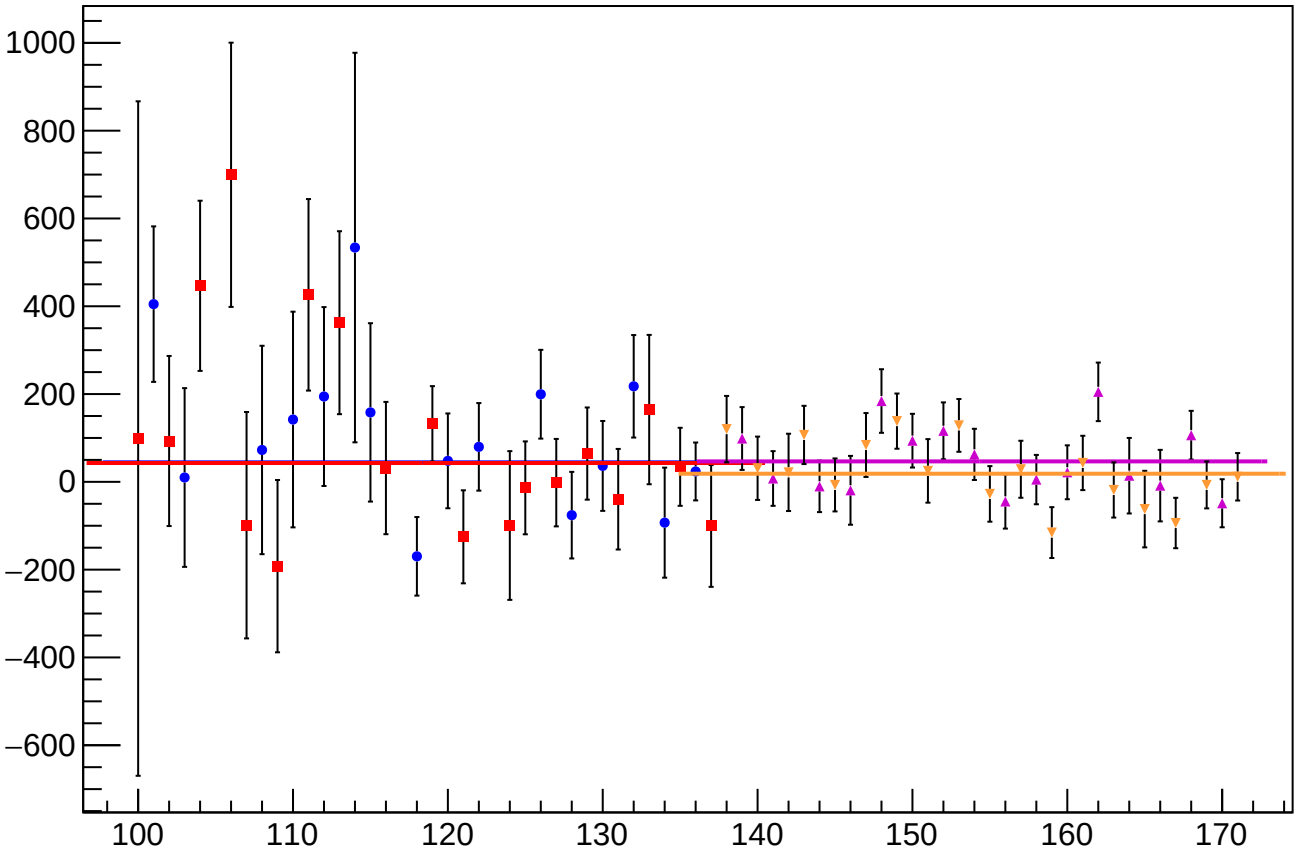
Left: 262.325+/-0.036 χ^2/NDF: 2446864.3/33

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 290.627+/-0.050 χ^2/NDF:6604501.3/31

Out: 290.518+/-0.049 χ^2/NDF:7531075.7/36

All: 290.571+/-0.035 χ^2/NDF: 14135579.5/68



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: 46.597+/-15.996 χ^2/NDF:21.3/15

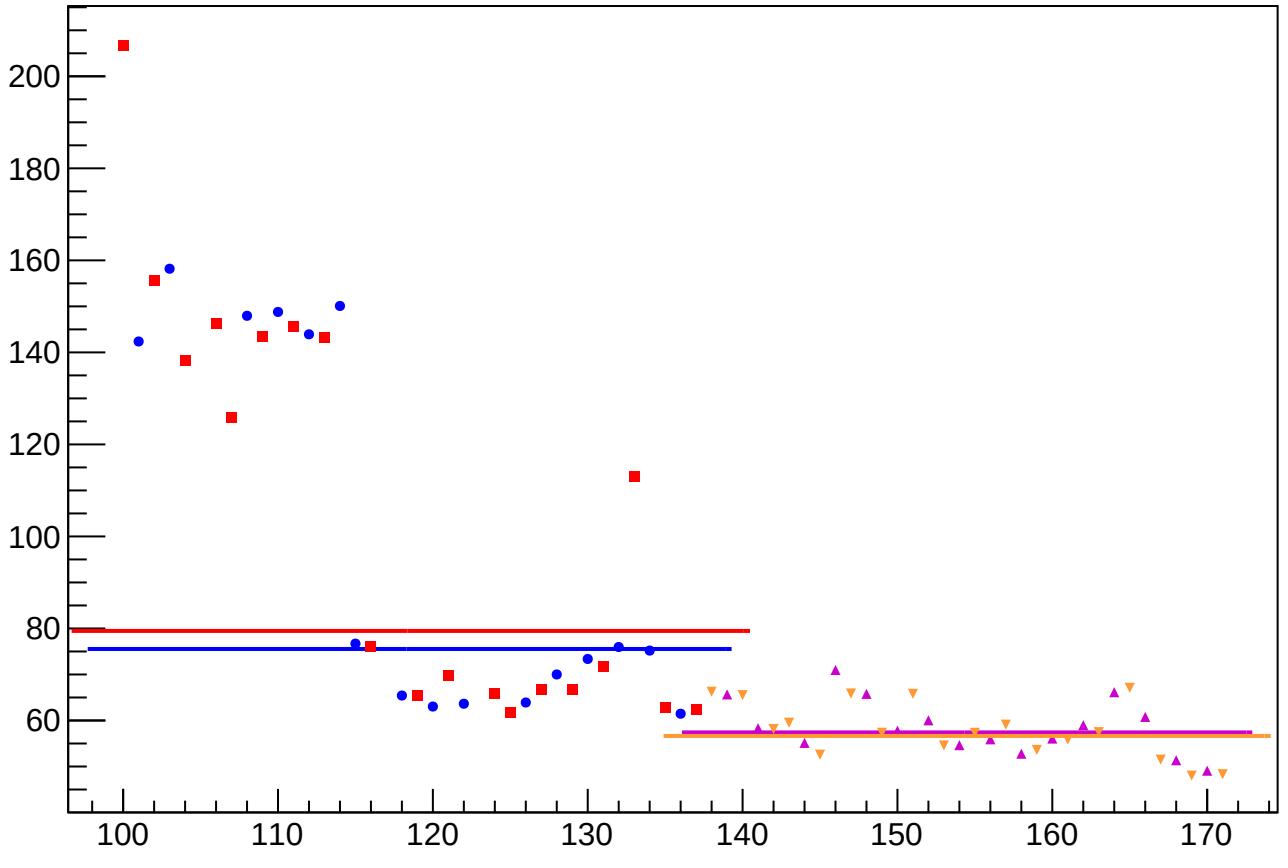
Left: 31.836+/-11.016 χ^2/NDF: 45.9/33

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 46.105+/-14.105 χ^2/NDF:40.9/31

Out: 23.183+/-13.663 χ^2/NDF:46.7/36

All: 34.279+/-9.814 χ^2/NDF: 89.0/68



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: 57.411+/-0.011 χ^2/NDF:235506.0/15

Left: 57.006+/-0.008 χ^2/NDF: 534089.0/33

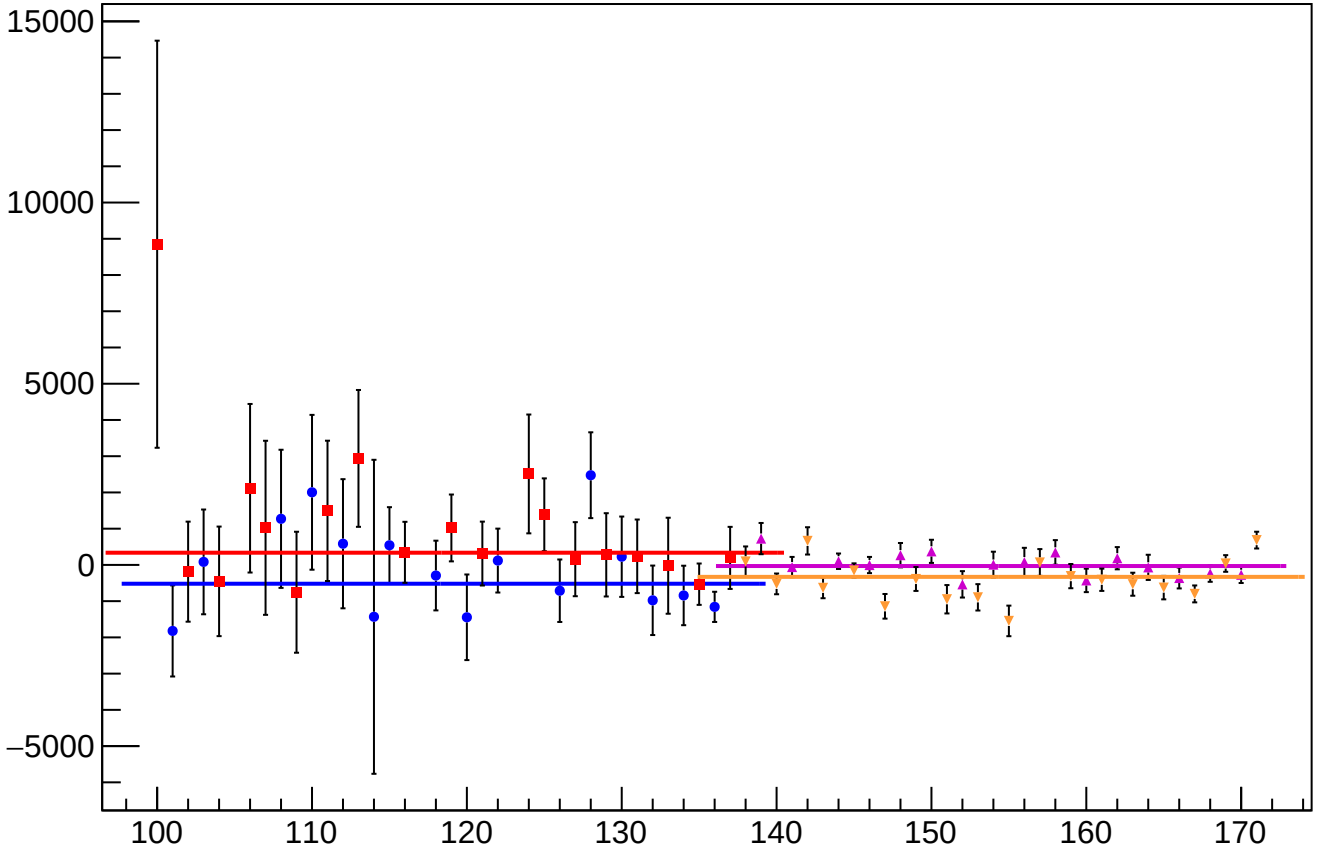
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 61.445+/-0.010 χ^2/NDF:2272689.4/31

Out: 61.005+/-0.010 χ^2/NDF:2842819.2/36

All: 61.218+/-0.007 χ^2/NDF: 5116513.2/68

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: -30.687+/-72.946 χ^2/NDF:14.4/15

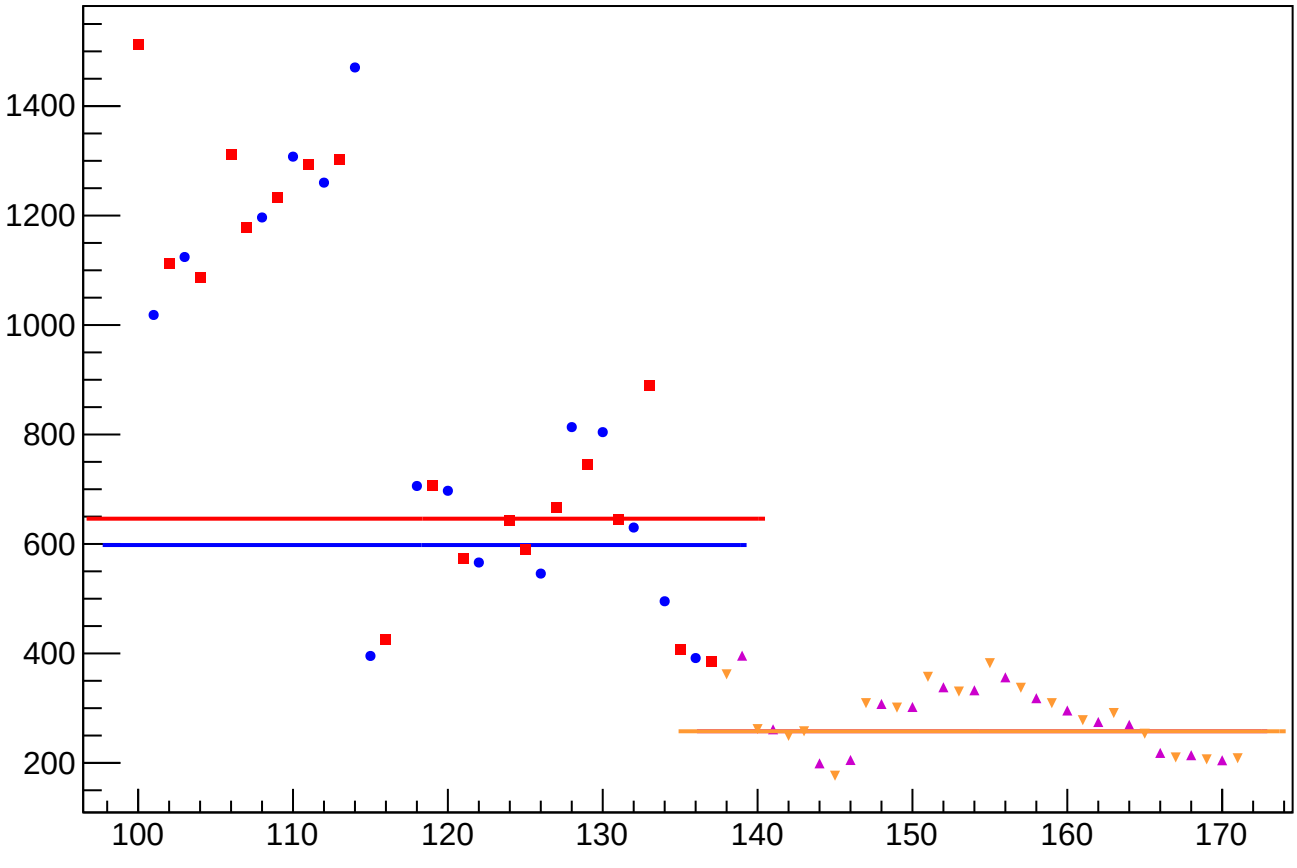
Left: -186.033+/-50.571 χ^2/NDF: 80.7/33

Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: -71.592+/-69.825 χ^2/NDF:33.9/31

Out: -283.417+/-67.687 χ^2/NDF:75.8/36

All: -180.798+/-48.600 χ^2/NDF: 114.5/68



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: 257.890+/-0.052 χ^2/NDF:1177079.5/15

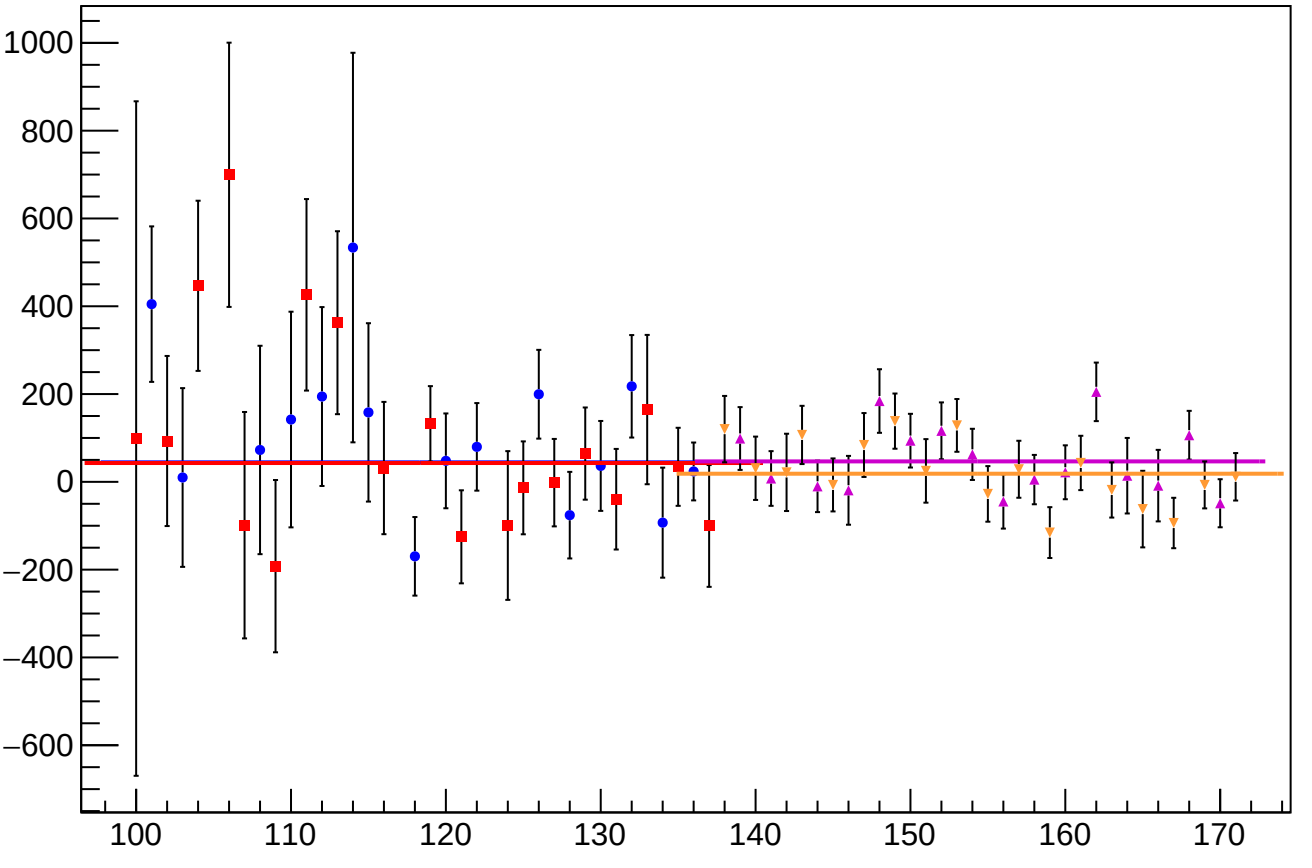
Left: 257.833+/-0.036 χ^2/NDF: 2554836.0/33

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 286.369+/-0.049 χ^2/NDF:6866008.9/31

Out: 284.803+/-0.048 χ^2/NDF:7846222.1/36

All: 285.562+/-0.034 χ^2/NDF: 14712749.5/68



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: 46.595+/-15.996 χ^2/NDF:21.3/15

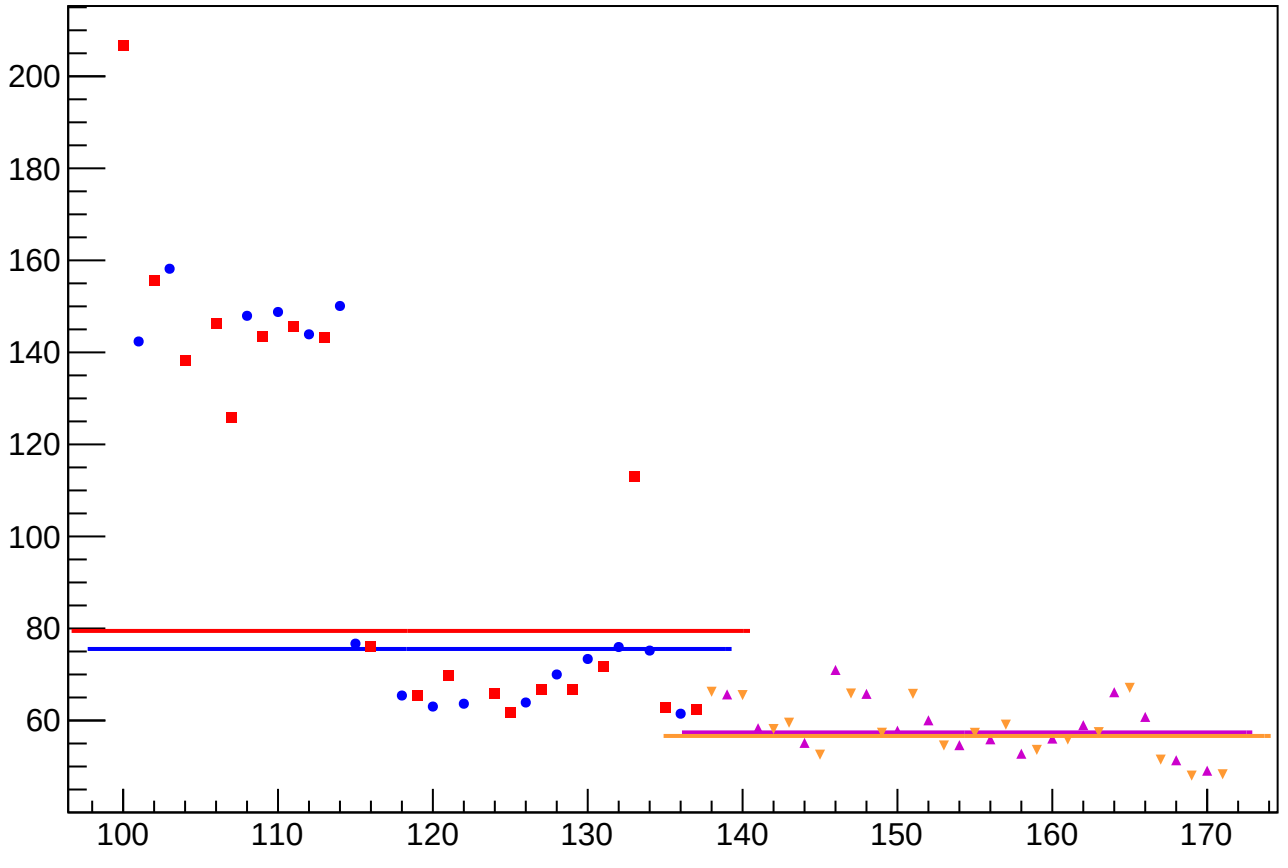
Left: 31.835+/-11.016 χ^2/NDF: 45.9/33

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 46.104+/-14.105 χ^2/NDF:40.9/31

Out: 23.182+/-13.663 χ^2/NDF:46.7/36

All: 34.278+/-9.814 χ^2/NDF: 89.0/68



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: 57.412+/-0.011 χ^2/NDF:235504.7/15

Left: 57.007+/-0.008 χ^2/NDF: 534087.9/33

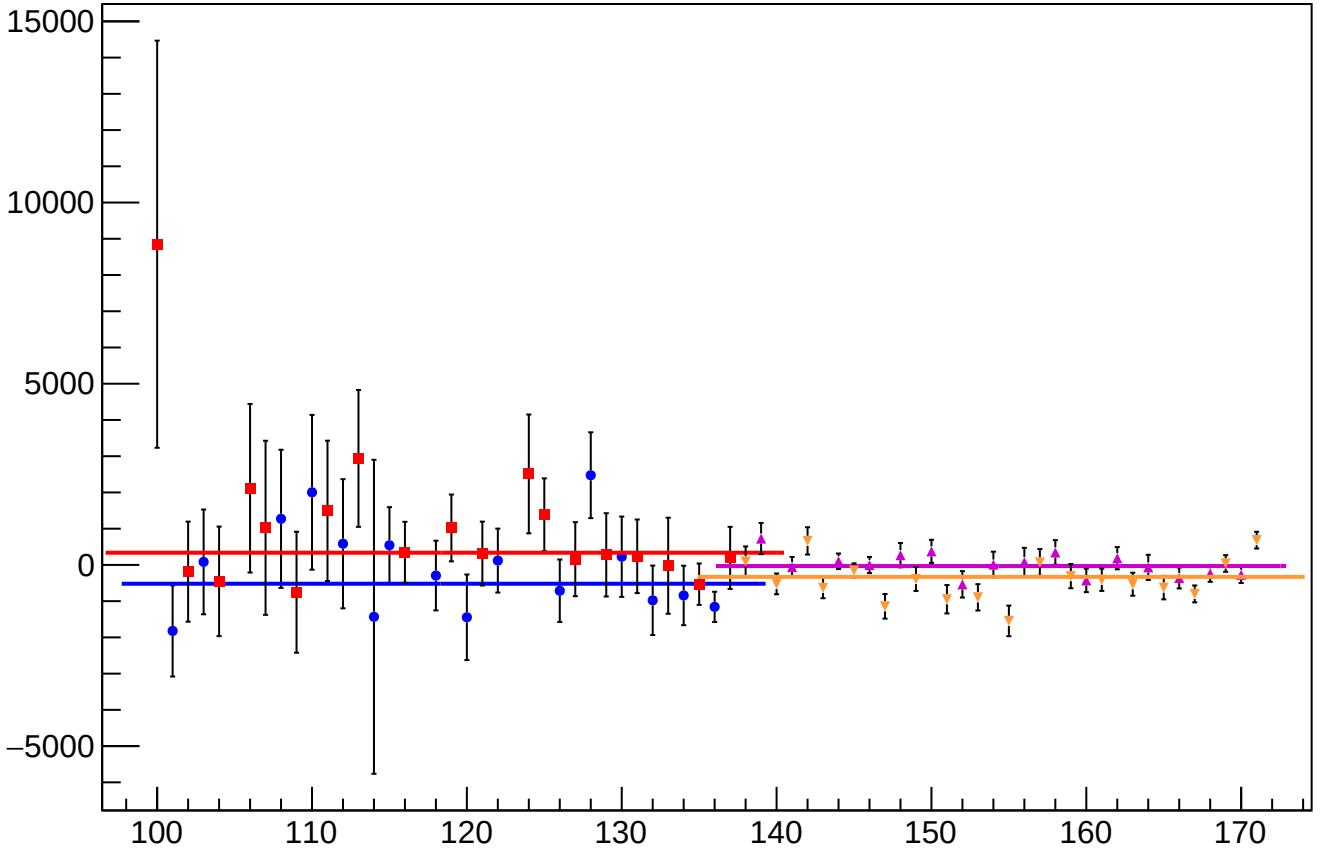
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 61.445+/-0.010 χ^2/NDF:2272643.0/31

Out: 61.005+/-0.010 χ^2/NDF:2842786.1/36

All: 61.218+/-0.007 χ^2/NDF: 5116434.1/68

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: -30.688+/-72.946 χ^2/NDF:14.4/15

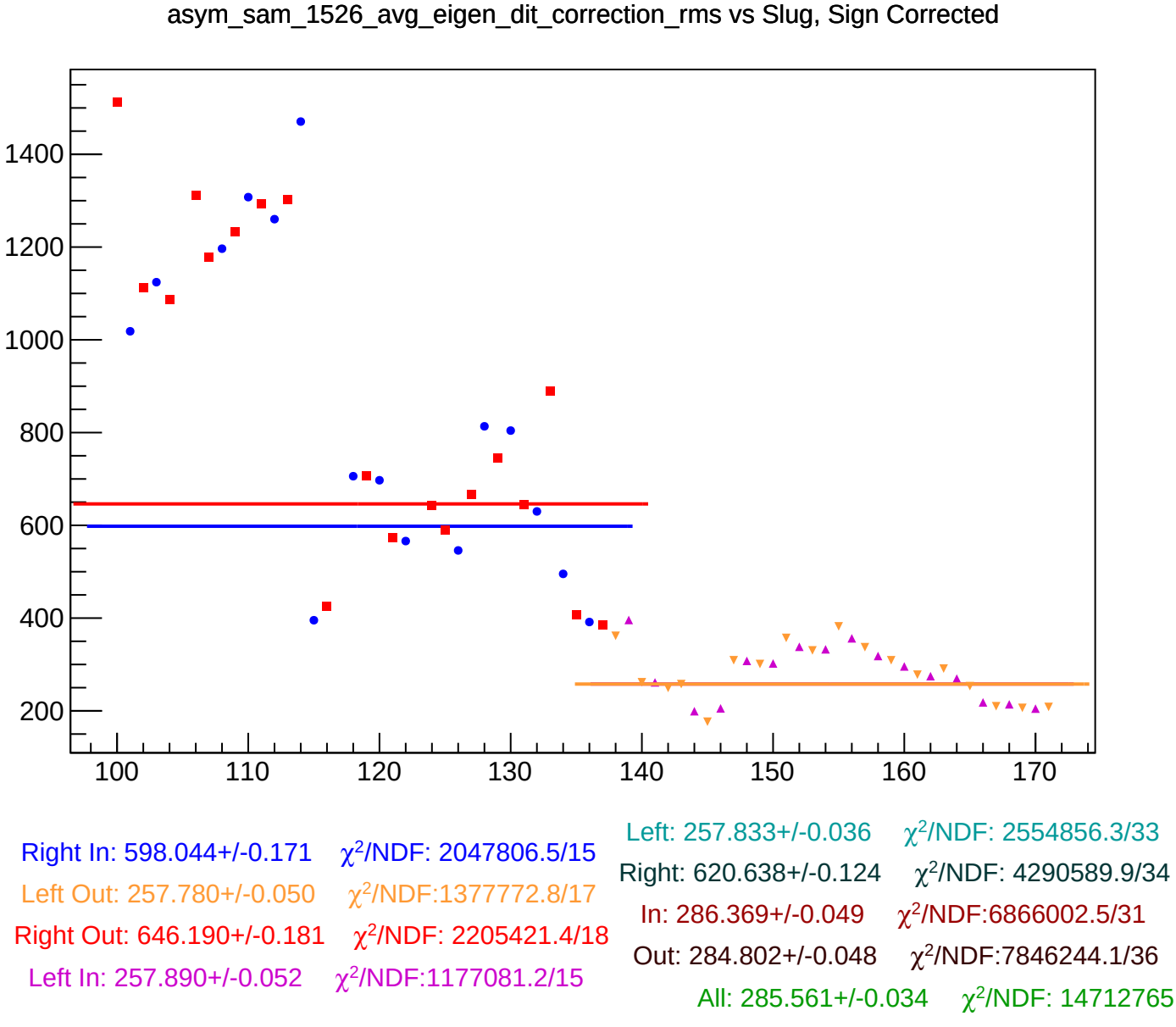
Left: -186.032+/-50.571 χ^2/NDF: 80.7/33

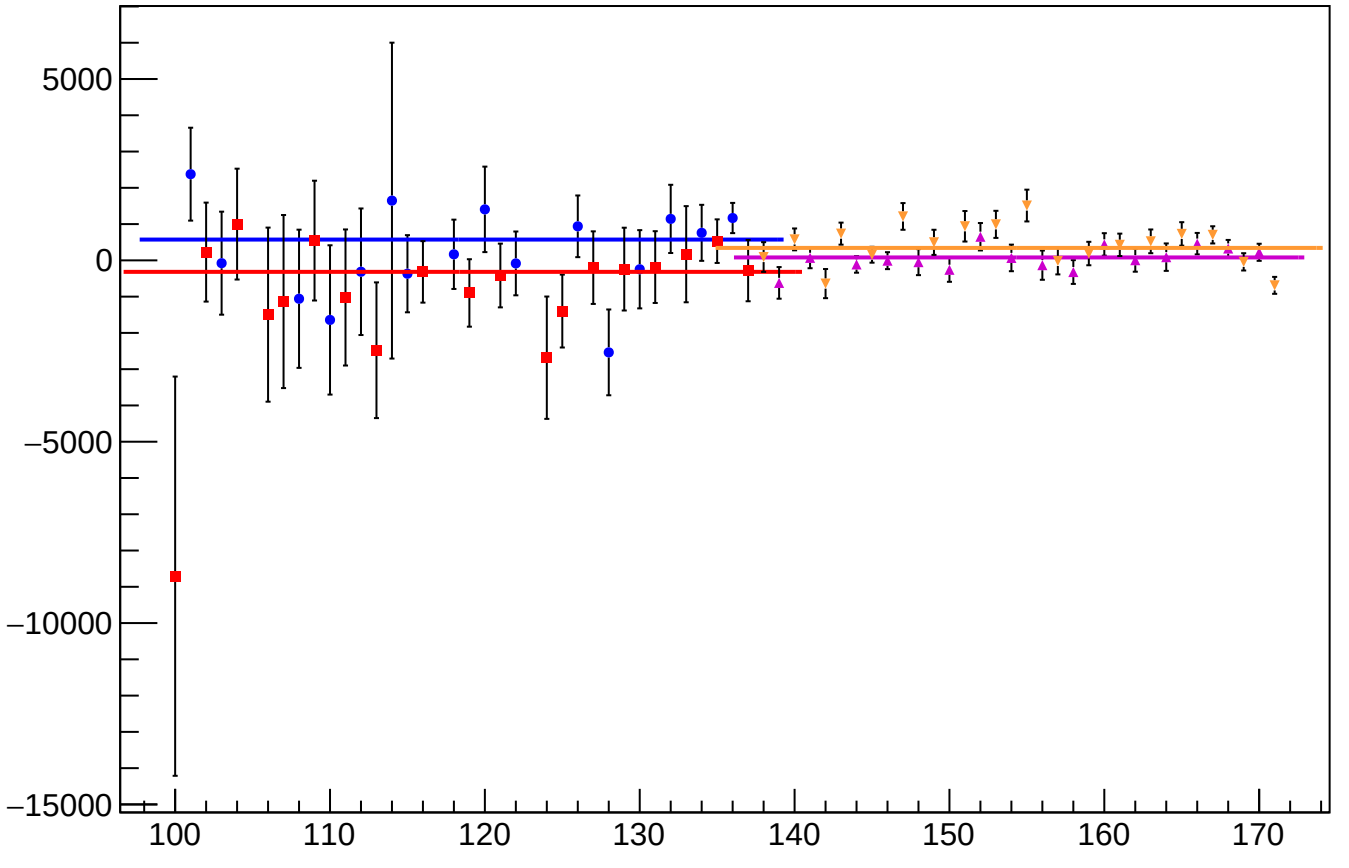
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: -71.592+/-69.825 χ^2/NDF:33.9/31

Out: -283.416+/-67.687 χ^2/NDF:75.8/36

All: -180.797+/-48.600 χ^2/NDF: 114.5/68


asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 598.044+/-0.171 χ²/NDF: 2047806.5/15
Left Out: 257.780+/-0.050 χ²/NDF:1377772.8/17
Right Out: 646.190+/-0.181 χ²/NDF: 2205421.4/18
Left In: 257.890+/-0.052 χ²/NDF:1177081.2/15
Left: 257.833+/-0.036 χ²/NDF: 2554856.3/33
Right: 620.638+/-0.124 χ²/NDF: 4290589.9/34
In: 286.369+/-0.049 χ²/NDF:6866002.5/31
Out: 284.802+/-0.048 χ²/NDF:7846244.1/36
All: 285.561+/-0.034 χ²/NDF: 14712765.4/68



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: 80.452+/-75.310 χ^2/NDF:13.2/15

Left: 216.313+/-52.352 χ^2/NDF: 74.2/33

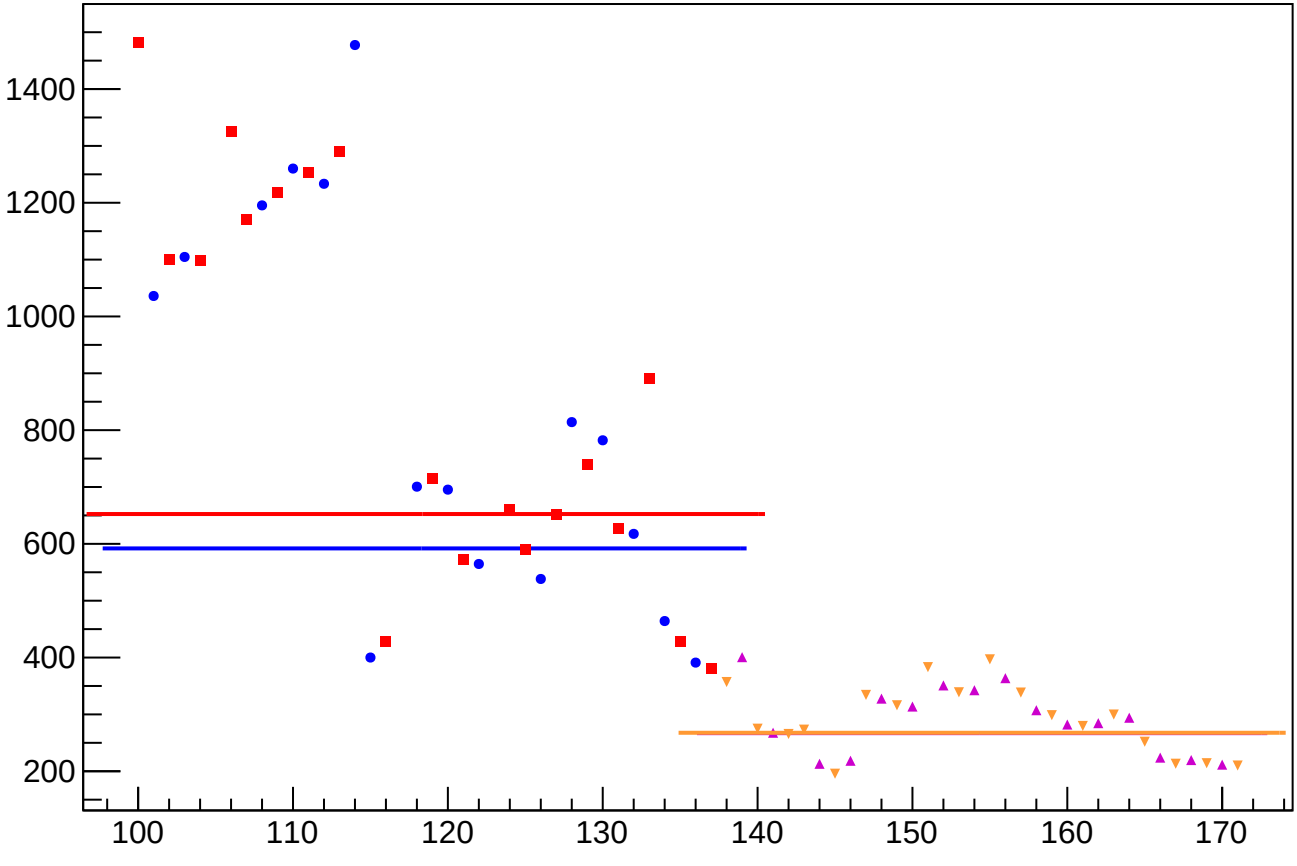
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 125.000+/-71.826 χ^2/NDF:33.6/31

Out: 294.723+/-70.092 χ^2/NDF:71.8/36

All: 211.935+/-50.165 χ^2/NDF: 108.3/68

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: 267.000+/-0.053 χ^2/NDF:1065650.9/15

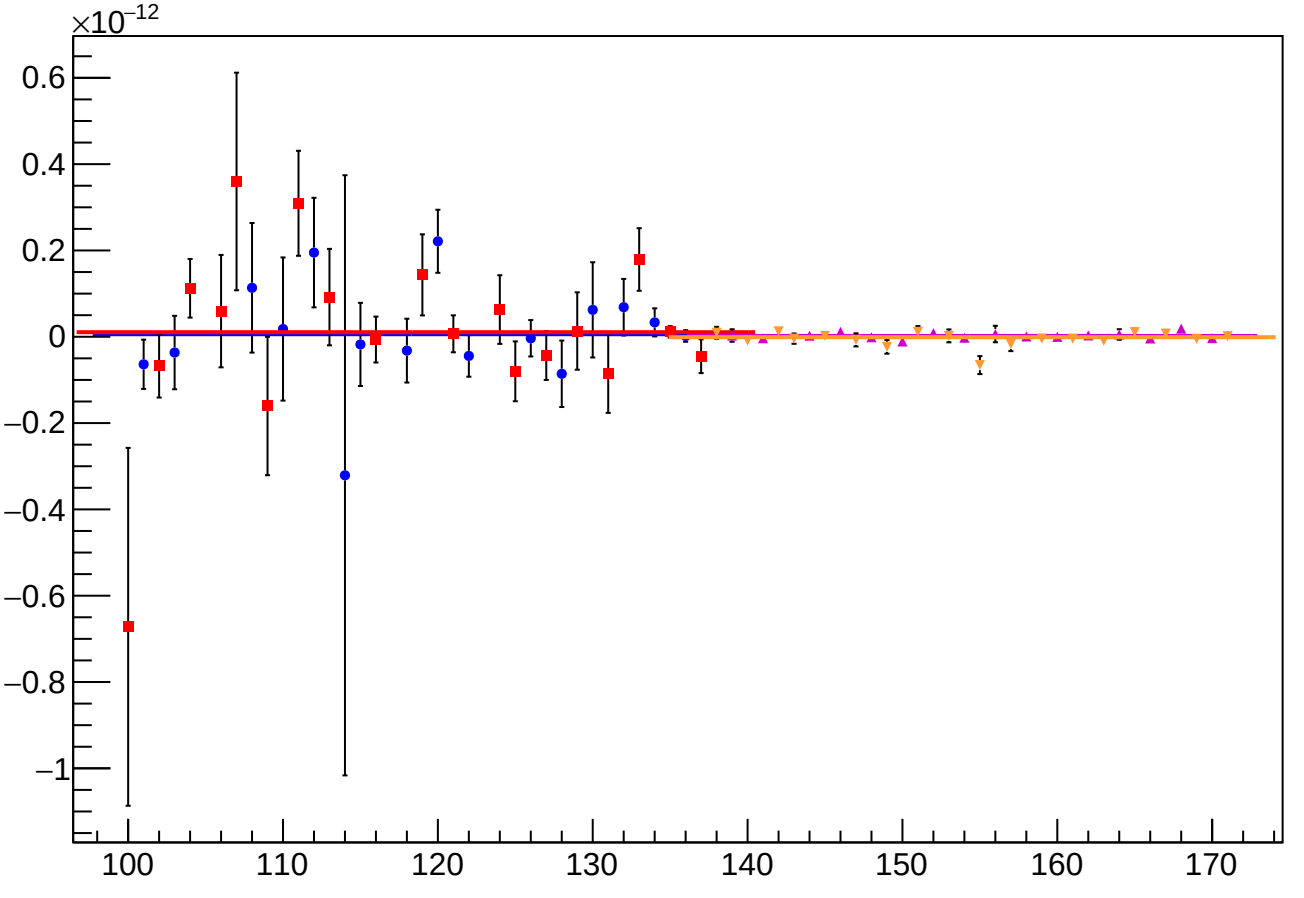
Left: 267.359+/-0.037 χ^2/NDF: 2326593.4/33

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 296.370+/-0.051 χ^2/NDF:6467089.7/31

Out: 296.040+/-0.050 χ^2/NDF:7463691.7/36

All: 296.201+/-0.035 χ^2/NDF: 13930802.9/68



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:9.1/15

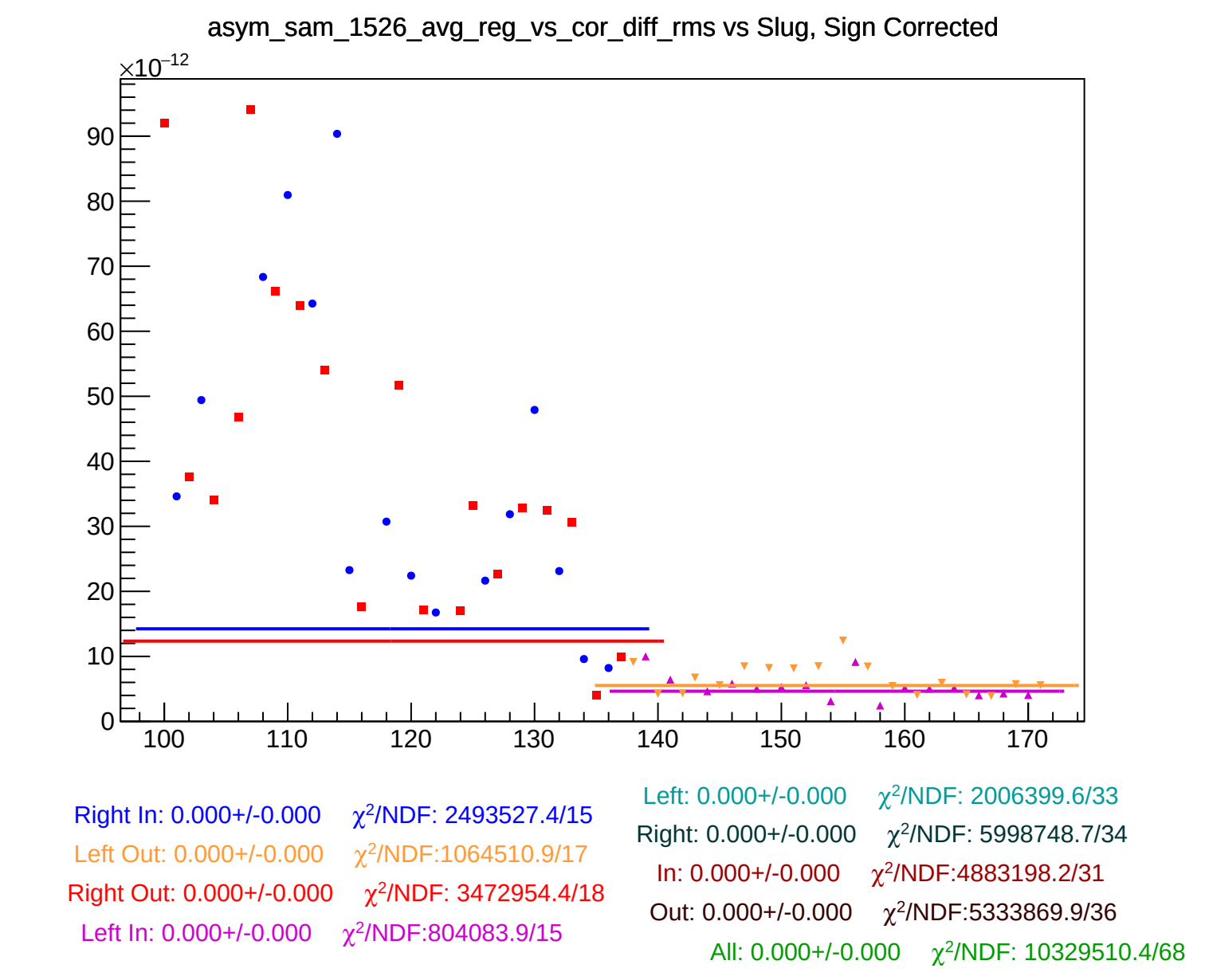
Left: 0.000+/-0.000 χ^2/NDF: 31.5/33

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

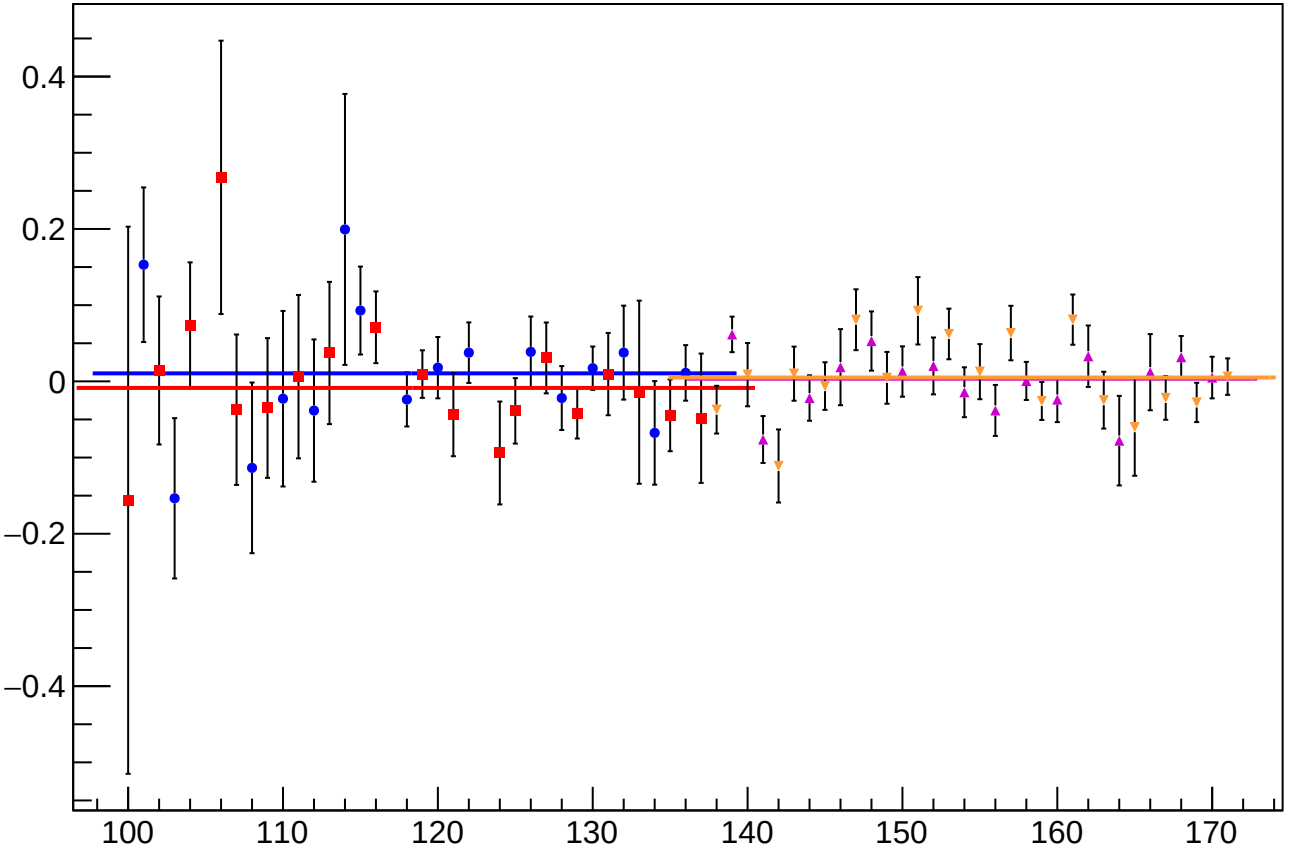
In: 0.000+/-0.000 χ^2/NDF:27.5/31

Out: -0.000+/-0.000 χ^2/NDF:52.3/36

All: 0.000+/-0.000 χ^2/NDF: 80.4/68


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:804083.9/15
Left: 0.000+/-0.000 χ²/NDF: 2006399.6/33
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:4883198.2/31
Out: 0.000+/-0.000 χ²/NDF:5333869.9/36
All: 0.000+/-0.000 χ²/NDF: 10329510.4/68

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: 0.004+/-0.008 χ^2/NDF:21.9/15

Left: 0.004+/-0.006 χ^2/NDF: 54.0/33

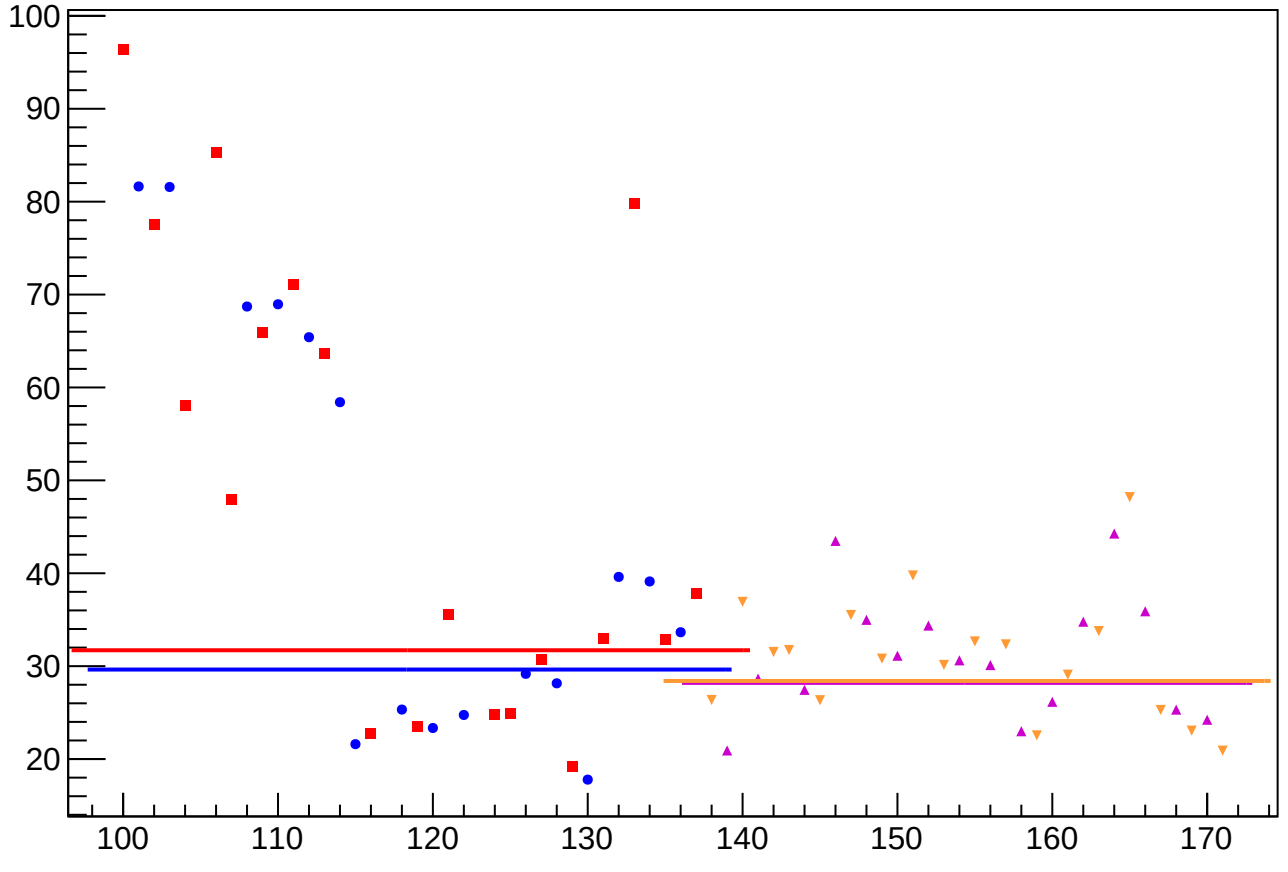
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 80.7/68

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: 28.201+/-0.006 χ^2/NDF:943718.0/15

Left: 28.307+/-0.004 χ^2/NDF: 1985197.3/33

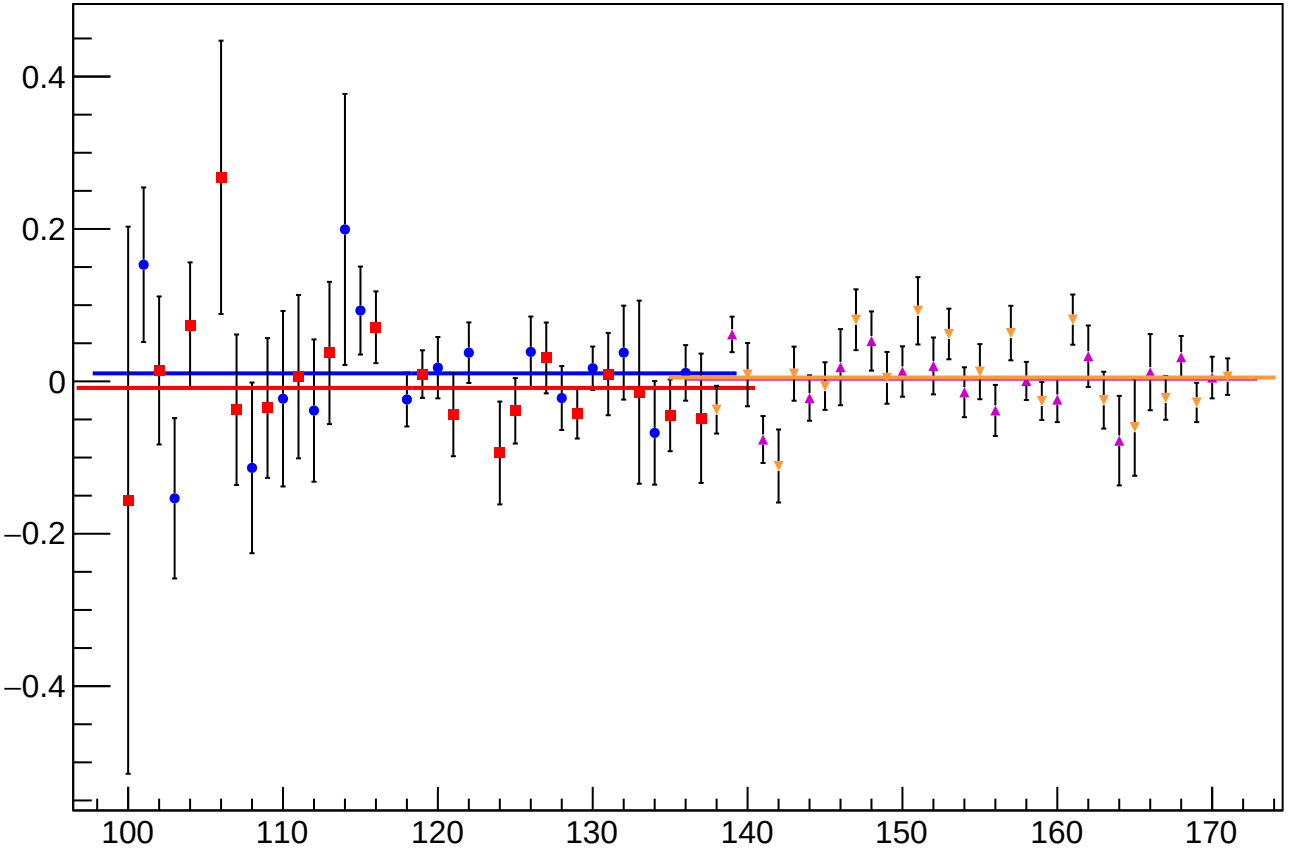
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.623+/-0.005 χ^2/NDF:3410580.0/31

Out: 29.265+/-0.005 χ^2/NDF:3784583.0/36

All: 28.947+/-0.003 χ^2/NDF: 7204135.9/68

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: 0.004+/-0.008 χ^2/NDF:21.9/15

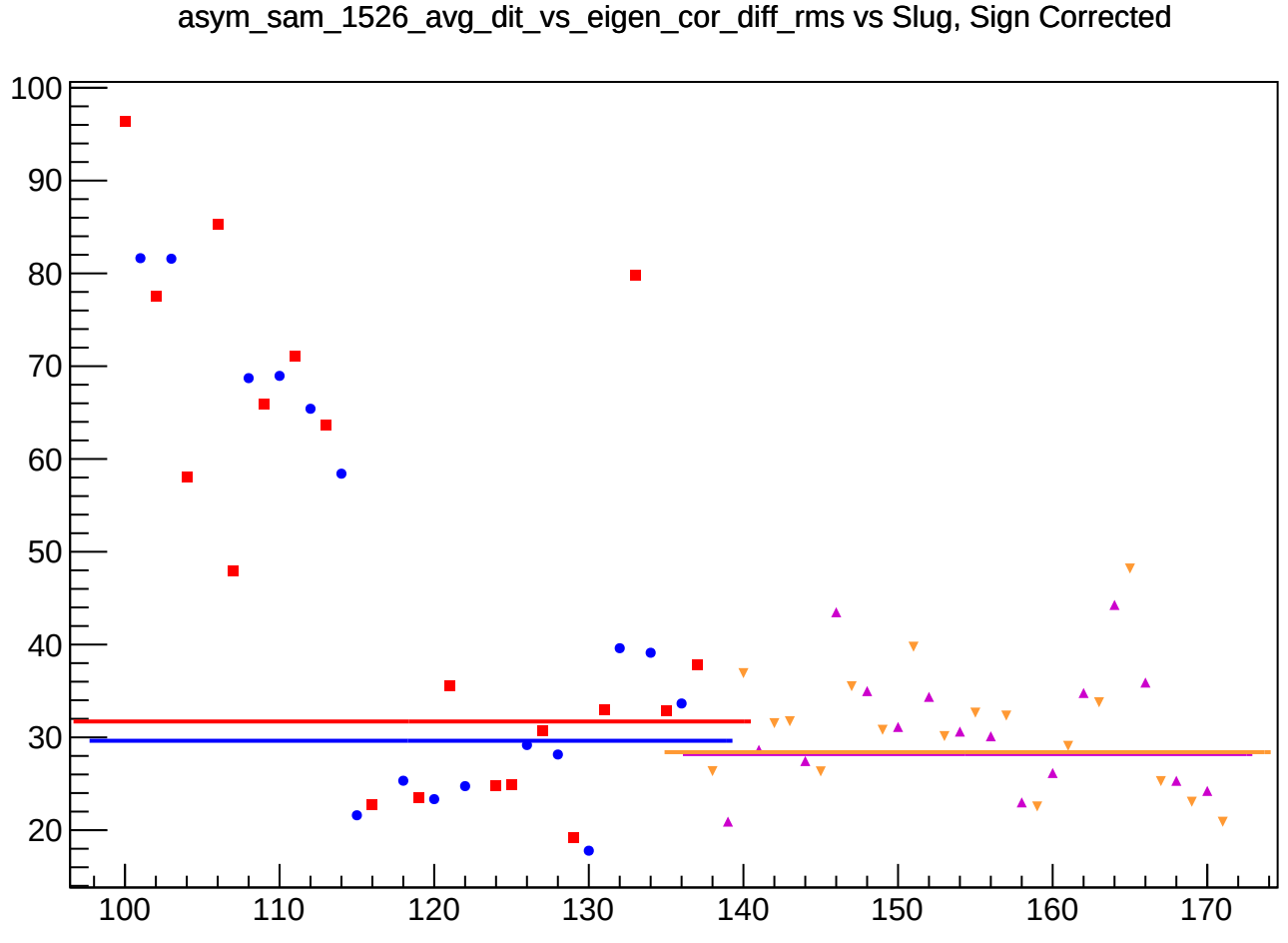
Left: 0.004+/-0.006 χ^2/NDF: 54.0/33

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 80.7/68



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: 28.201+/-0.006 χ^2/NDF:943718.0/15

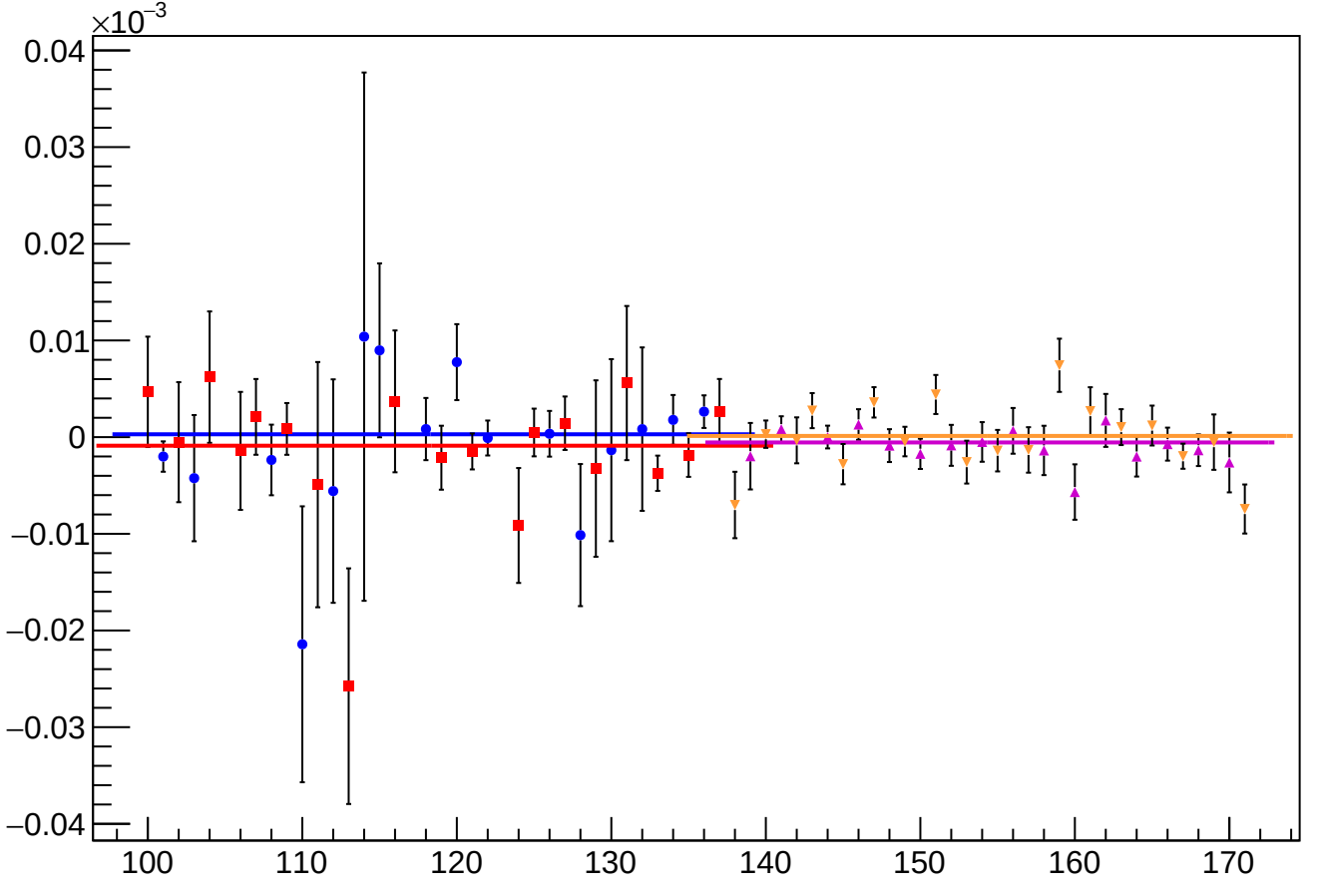
Left: 28.307+/-0.004 χ^2/NDF: 1985197.3/33

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.623+/-0.005 χ^2/NDF:3410580.0/31

Out: 29.265+/-0.005 χ^2/NDF:3784583.0/36

All: 28.947+/-0.003 χ^2/NDF: 7204135.9/68



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:8.9/15

Left: -0.000+/-0.000 χ^2/NDF: 50.5/33

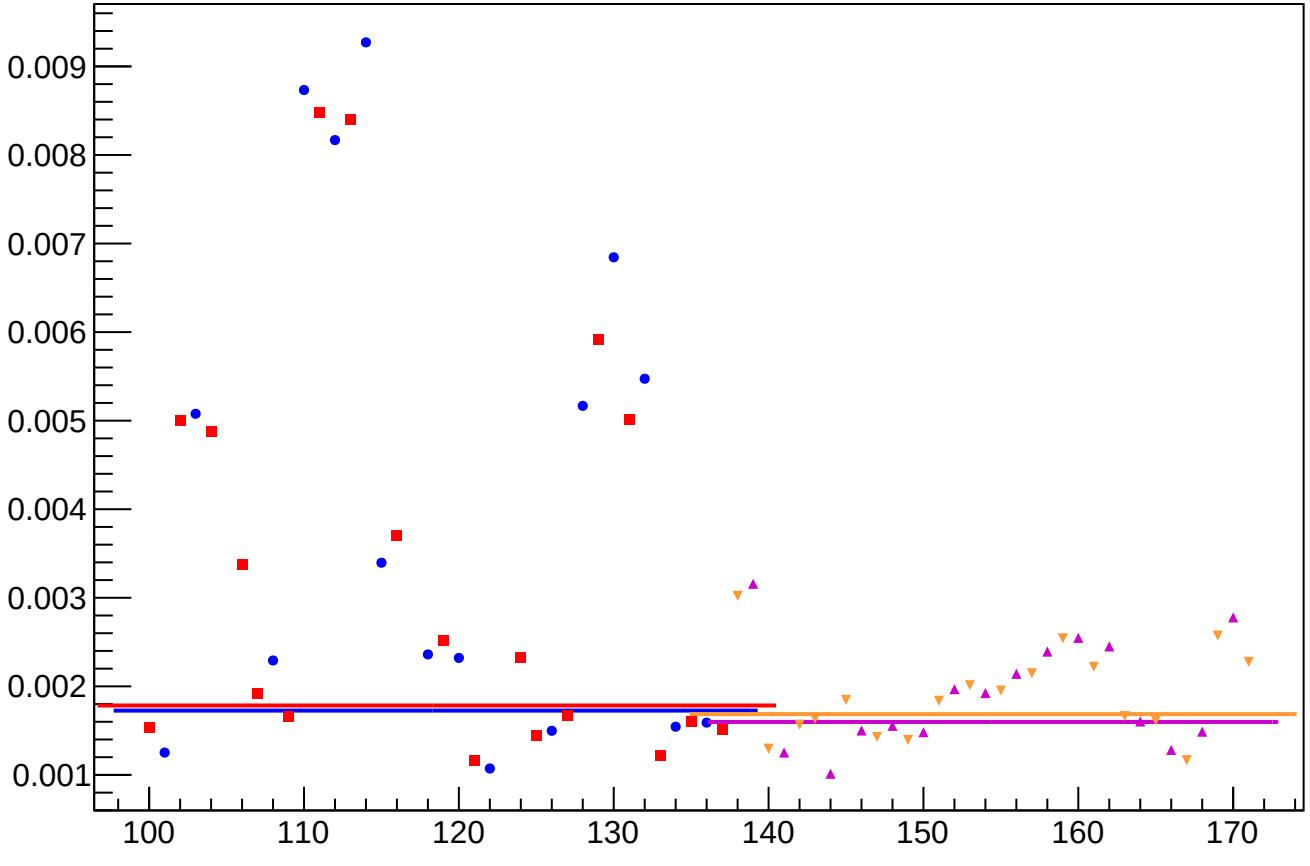
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:24.6/31

Out: -0.000+/-0.000 χ^2/NDF:57.1/36

All: -0.000+/-0.000 χ^2/NDF: 81.8/68

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1671244.3/17

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.002+/-0.000 χ^2/NDF:2252847.8/15

Left: 0.002+/-0.000 χ^2/NDF: 3960639.1/33

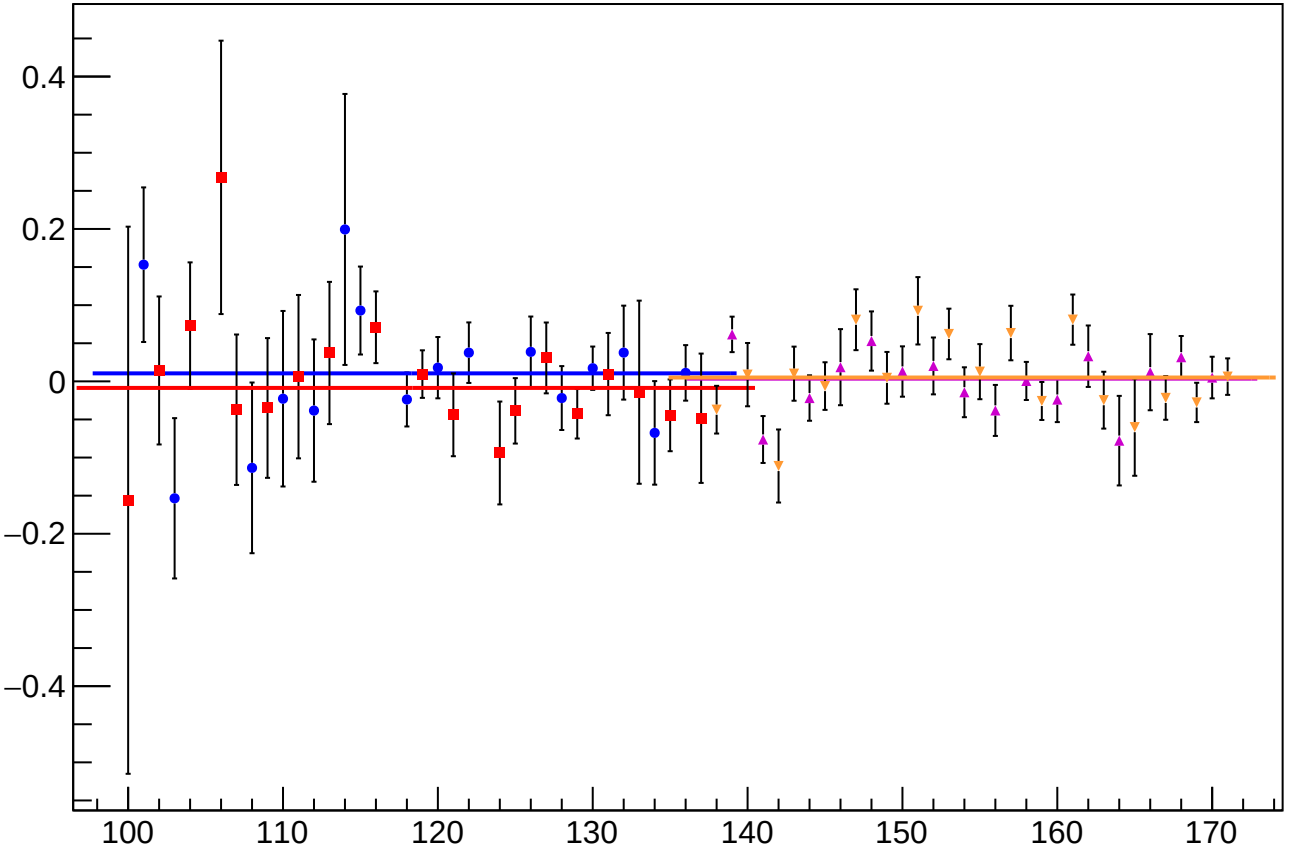
Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:6226383.6/31

Out: 0.002+/-0.000 χ^2/NDF:5413169.5/36

All: 0.002+/-0.000 χ^2/NDF: 11679502.7/68

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.005+/-0.008 χ^2/NDF:32.0/17

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.004+/-0.008 χ^2/NDF:21.9/15

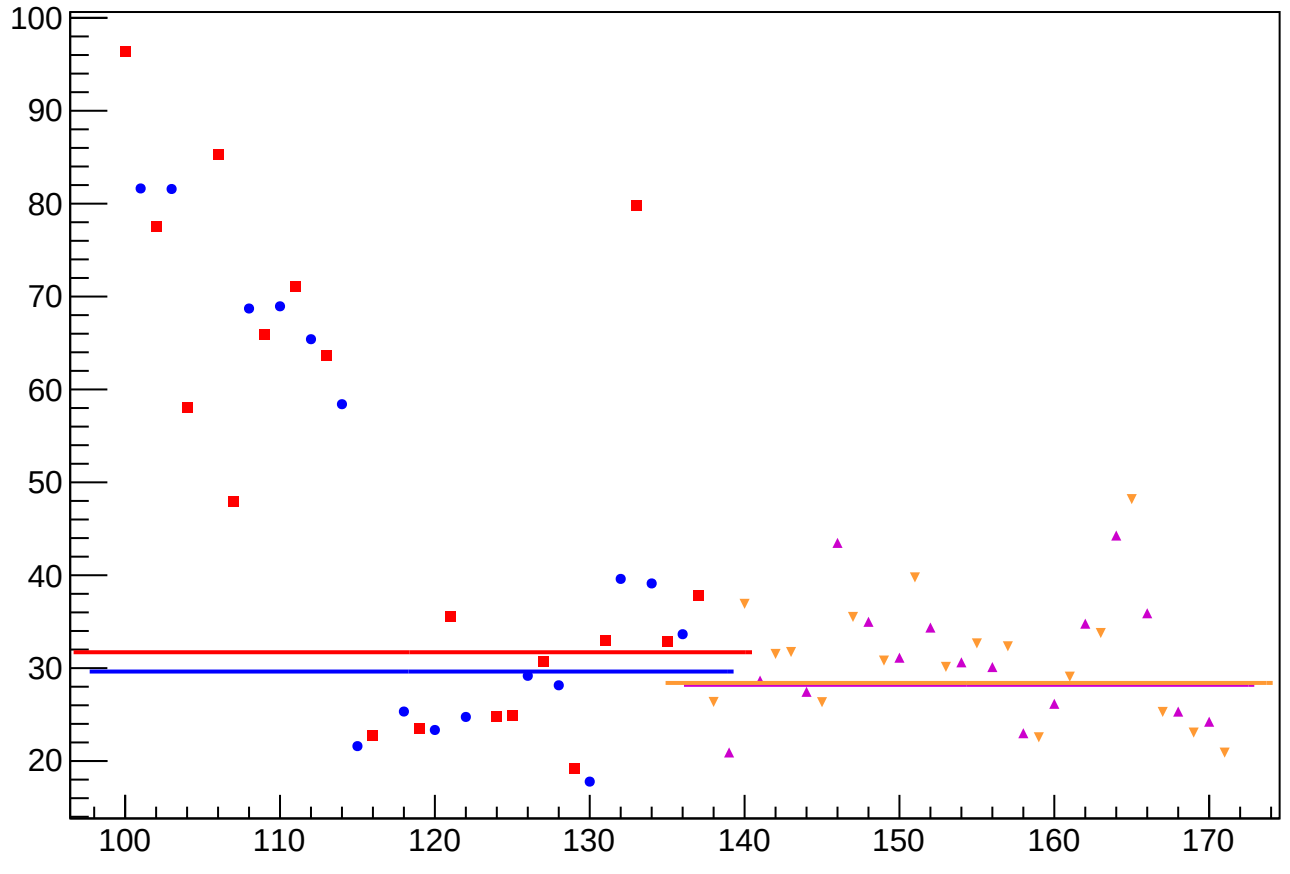
Left: 0.004+/-0.006 χ^2/NDF: 54.0/33

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 80.7/68



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: 28.202+/-0.006 χ^2/NDF:943722.0/15

Left: 28.308+/-0.004 χ^2/NDF: 1985229.3/33

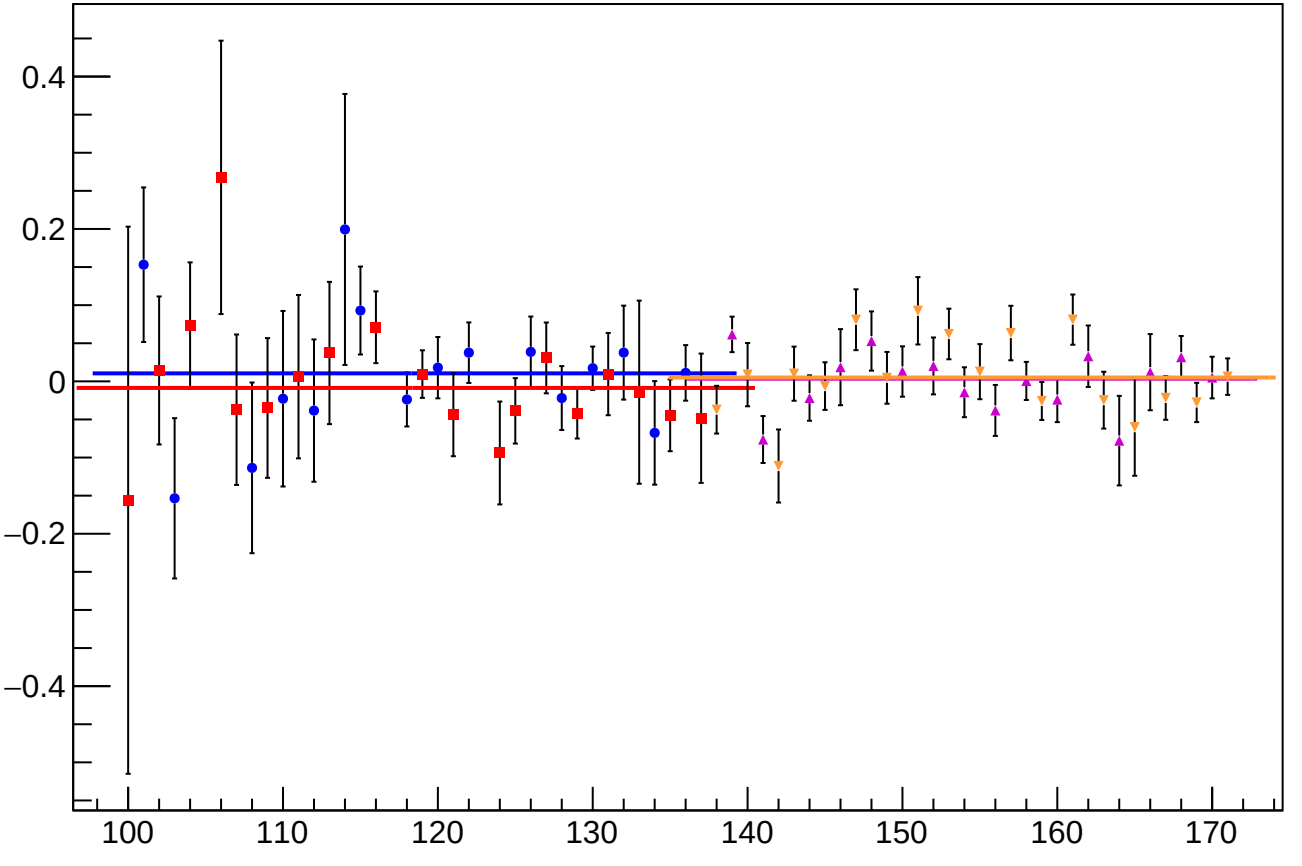
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.623+/-0.005 χ^2/NDF:3410744.1/31

Out: 29.265+/-0.005 χ^2/NDF:3784701.9/36

All: 28.947+/-0.003 χ^2/NDF: 7204416.2/68

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: 0.004+/-0.008 χ^2/NDF:21.9/15

Left: 0.004+/-0.006 χ^2/NDF: 54.0/33

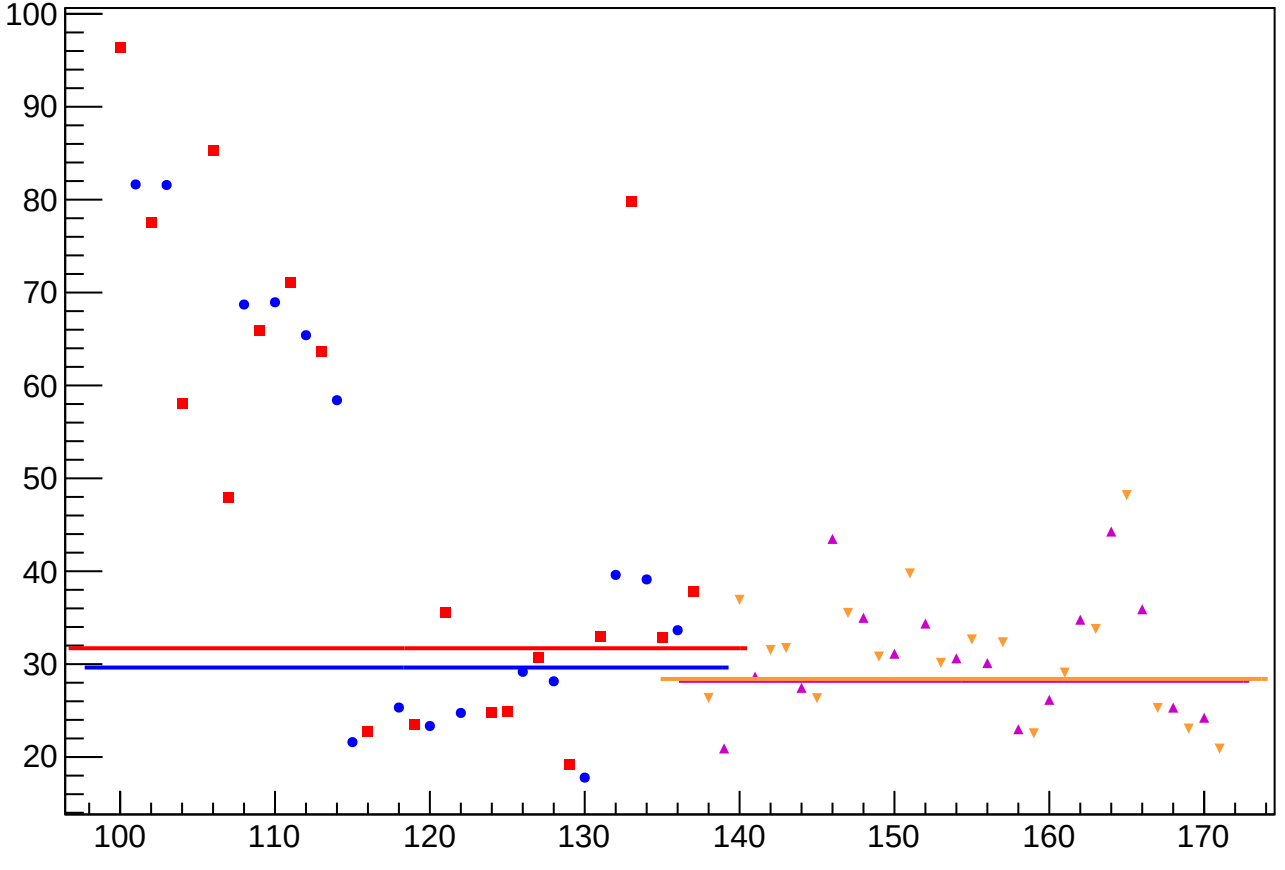
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.006+/-0.007 χ^2/NDF:35.3/31

Out: 0.001+/-0.007 χ^2/NDF:45.3/36

All: 0.004+/-0.005 χ^2/NDF: 80.7/68

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: 28.202+/-0.006 χ^2/NDF:943722.0/15

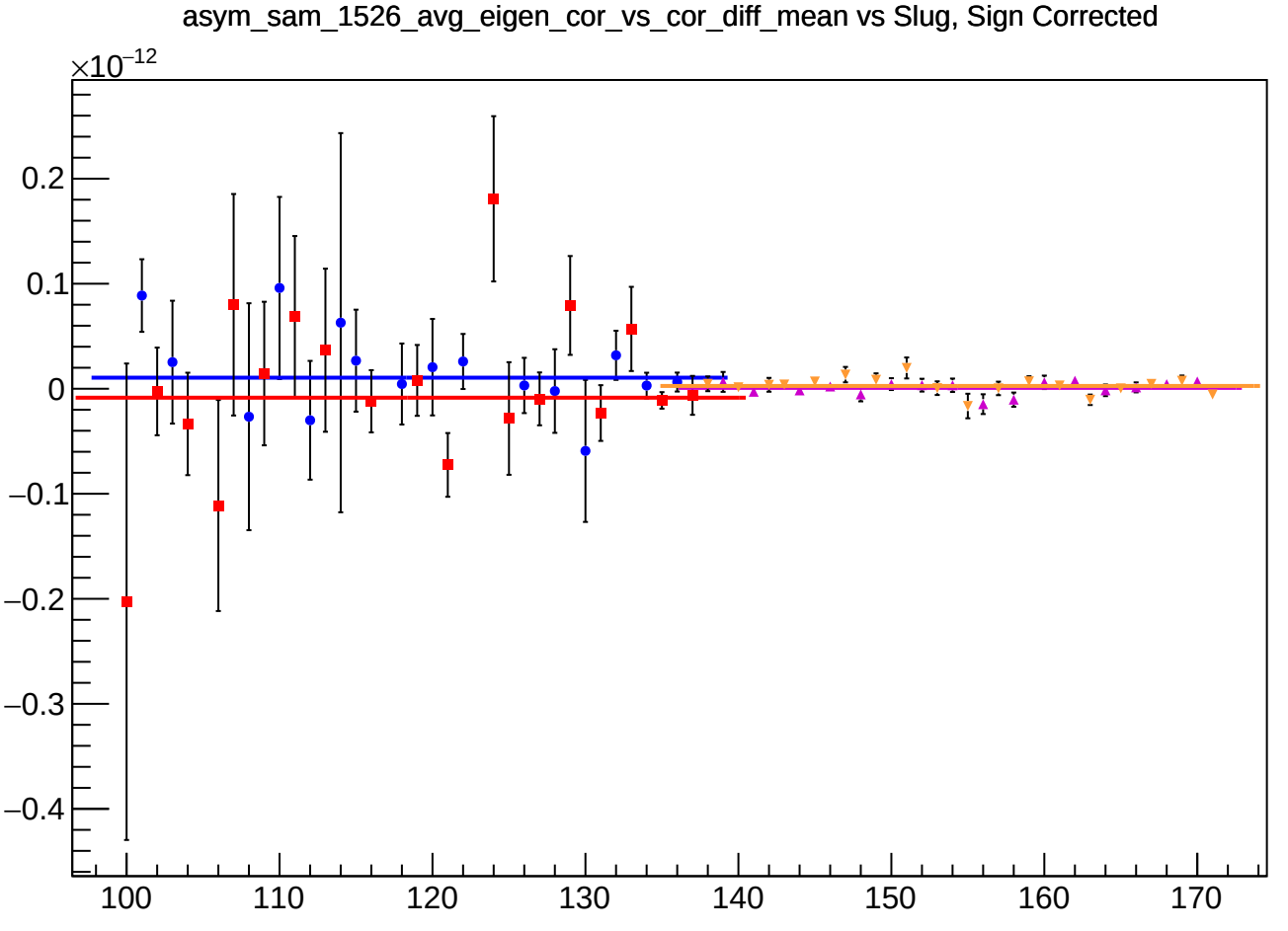
Left: 28.308+/-0.004 χ^2/NDF: 1985229.3/33

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

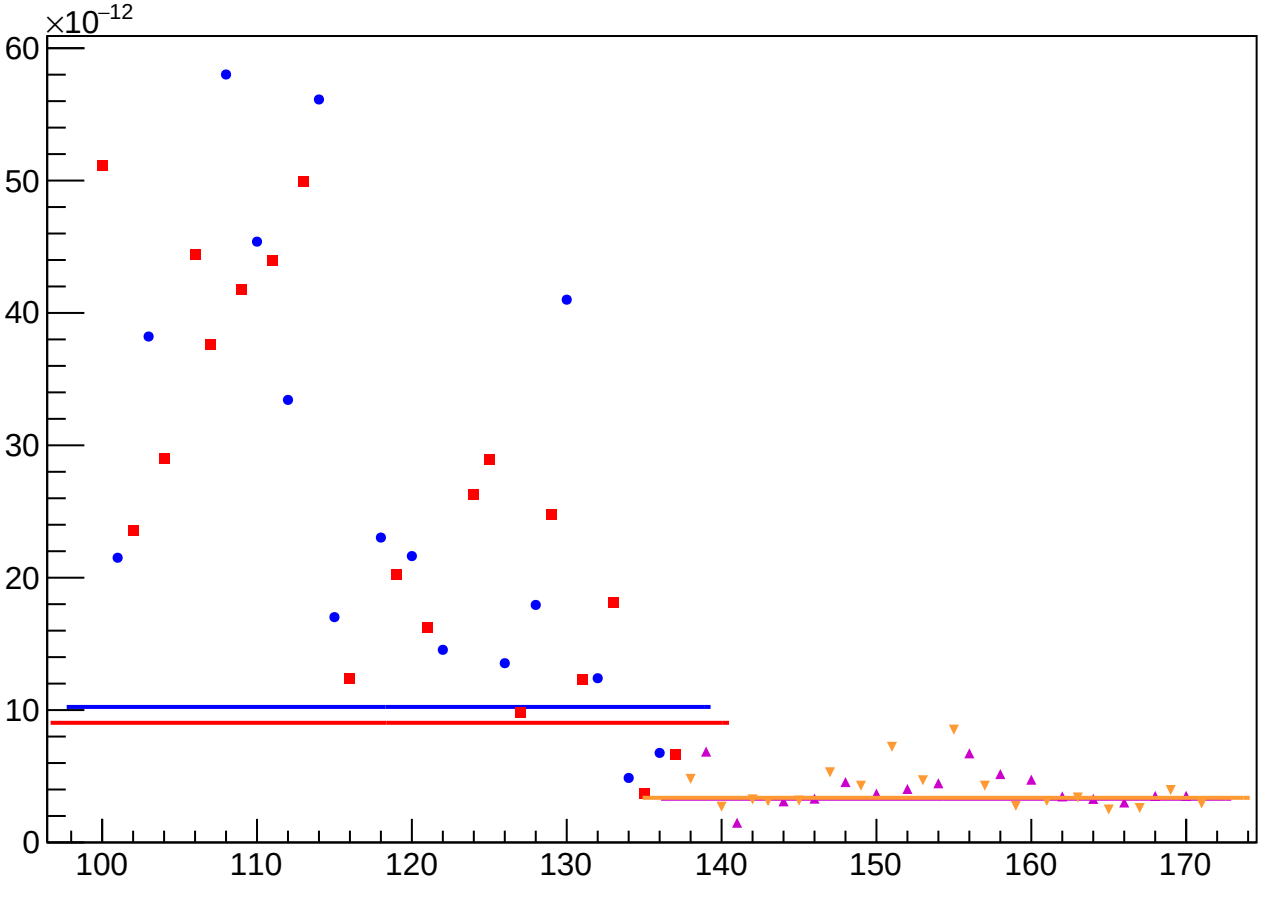
In: 28.623+/-0.005 χ^2/NDF:3410744.1/31

Out: 29.265+/-0.005 χ^2/NDF:3784701.9/36

All: 28.947+/-0.003 χ^2/NDF: 7204416.2/68


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:15.1/15
Left: 0.000+/-0.000 χ²/NDF: 39.7/33
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:27.7/31
Out: 0.000+/-0.000 χ²/NDF:48.2/36
All: 0.000+/-0.000 χ²/NDF: 76.3/68

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1409629.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1905773.8/15

Left: 0.000+/-0.000 χ^2/NDF: 3318834.9/33

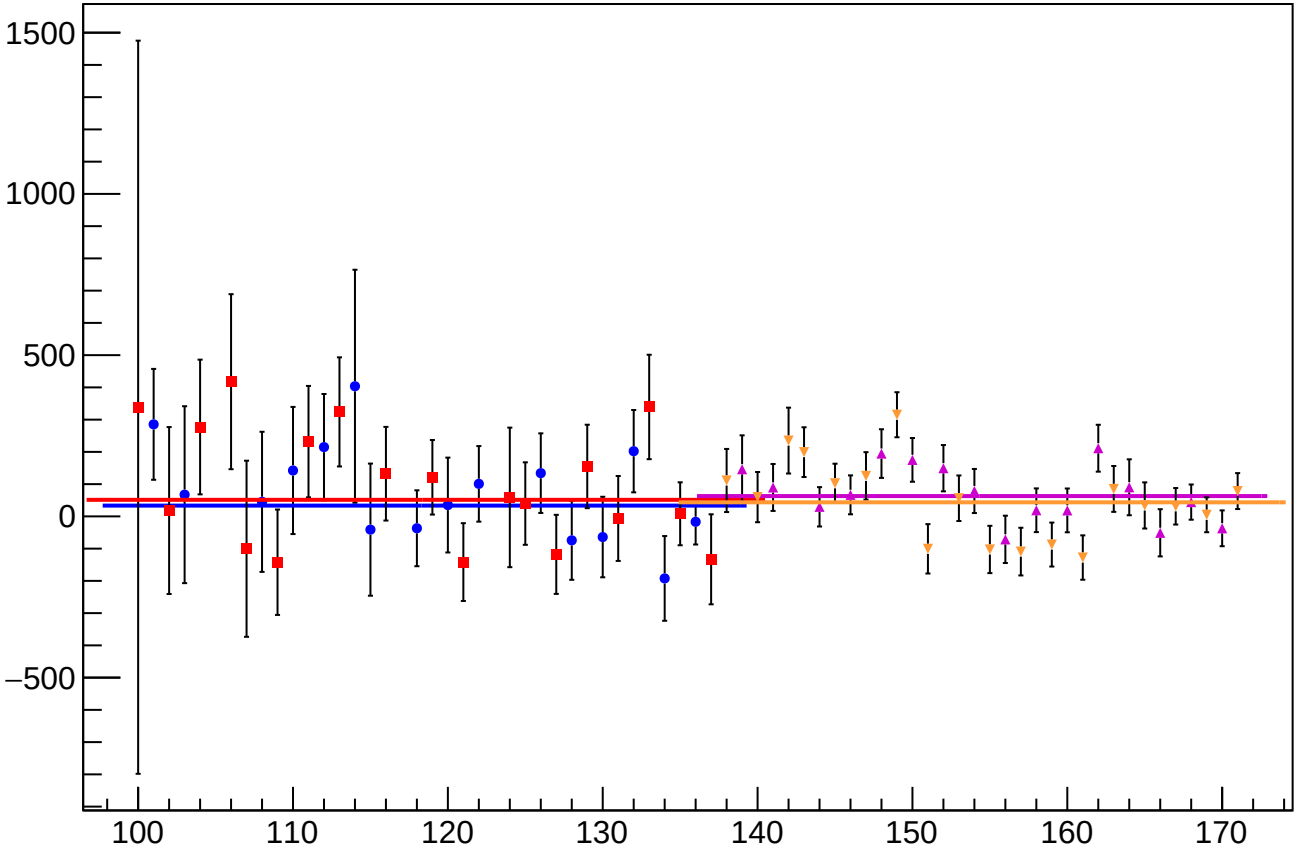
Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:7982062.0/31

Out: 0.000+/-0.000 χ^2/NDF:7680925.1/36

All: 0.000+/-0.000 χ^2/NDF: 15663050.6/68

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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: 62.979+/-17.119 χ^2/NDF:22.6/15

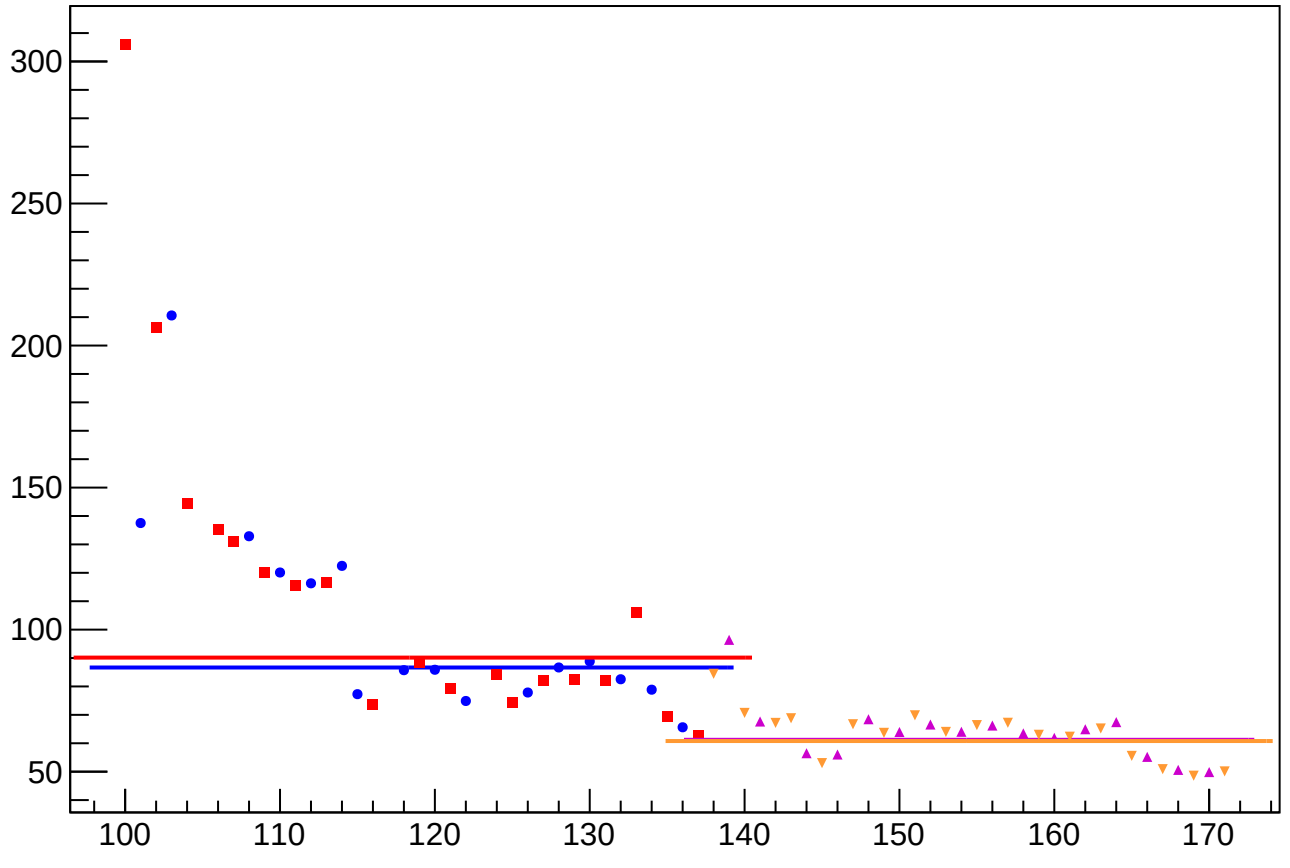
Left: 52.858+/-11.833 χ^2/NDF: 71.7/33

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 56.970+/-15.279 χ^2/NDF:36.0/31

Out: 44.997+/-14.821 χ^2/NDF:68.0/36

All: 50.801+/-10.638 χ^2/NDF: 104.4/68



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: 61.215+/-0.012 χ^2/NDF:502676.0/15

Left: 60.989+/-0.008 χ^2/NDF: 1047873.3/33

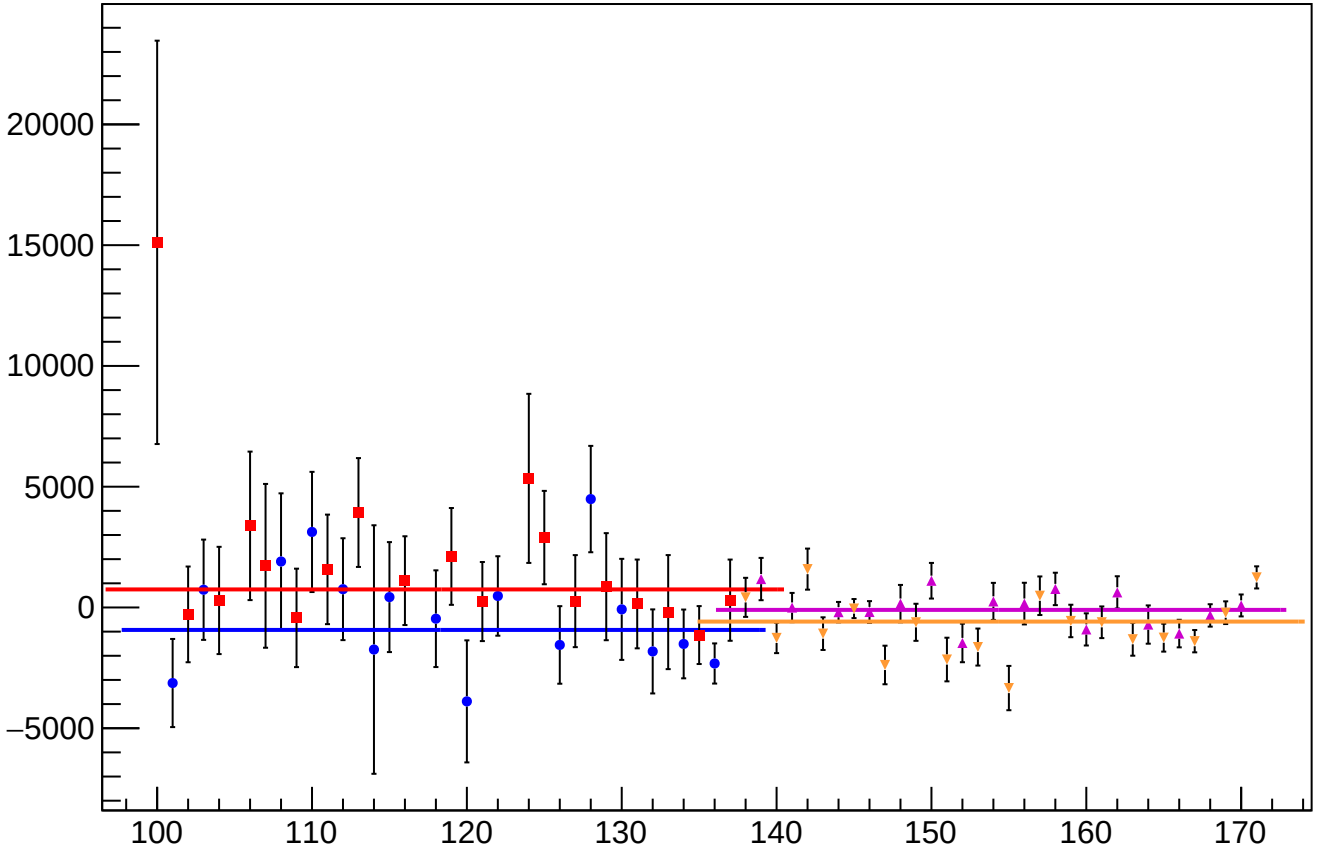
Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 66.391+/-0.011 χ^2/NDF:2440602.9/31

Out: 66.094+/-0.010 χ^2/NDF:2858044.0/36

All: 66.238+/-0.008 χ^2/NDF: 5299034.5/68

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -584.114+/-146.393 χ^2/NDF:54.5/17

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: -100.062+/-151.450 χ^2/NDF:16.5/15

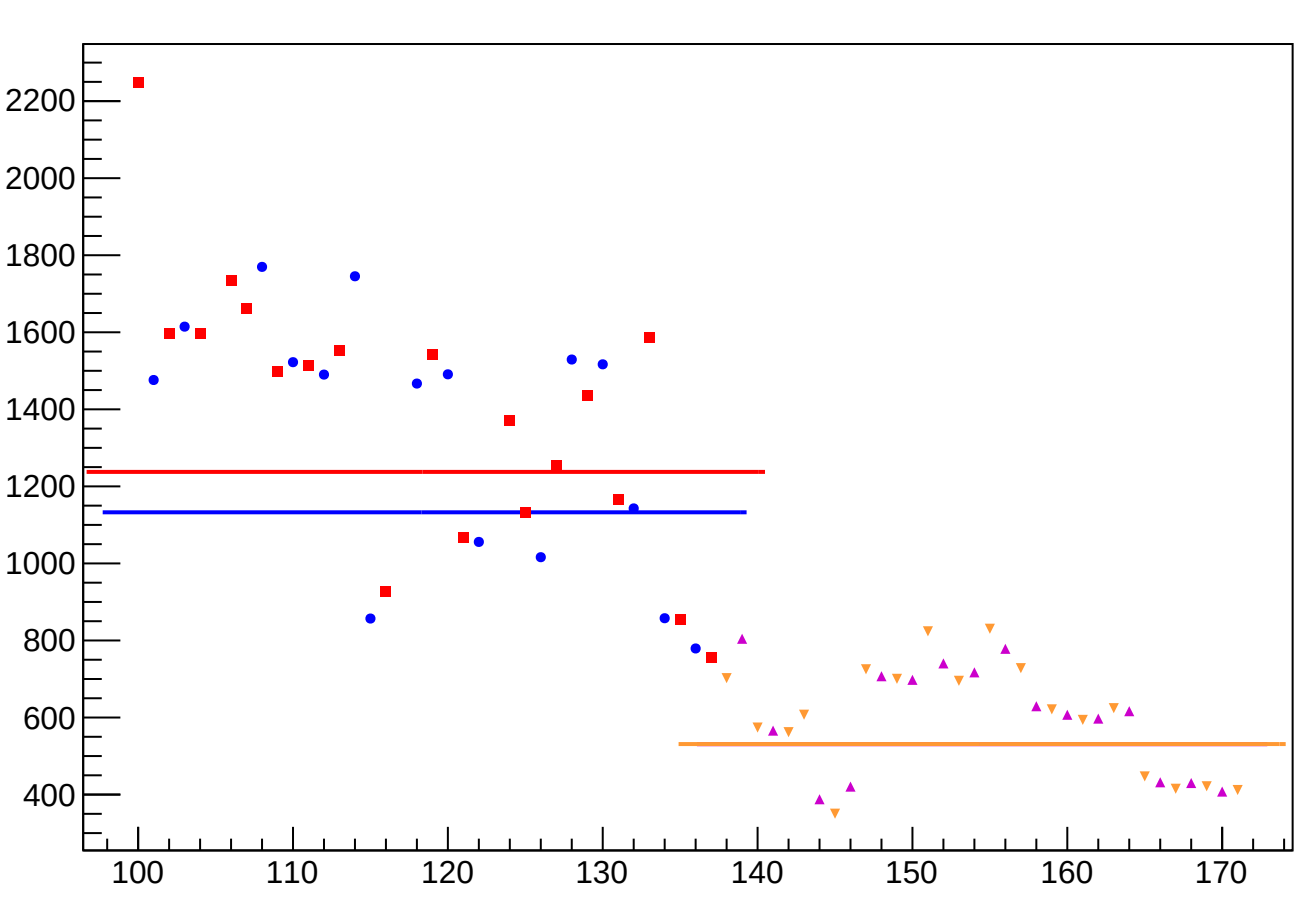
Left: -350.304+/-105.258 χ^2/NDF: 76.4/33

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -187.637+/-143.235 χ^2/NDF:38.2/31

Out: -465.414+/-139.714 χ^2/NDF:74.9/36

All: -329.981+/-100.014 χ^2/NDF: 115.1/68



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: 530.679+/-0.107 χ^2/NDF:1592568.9/15

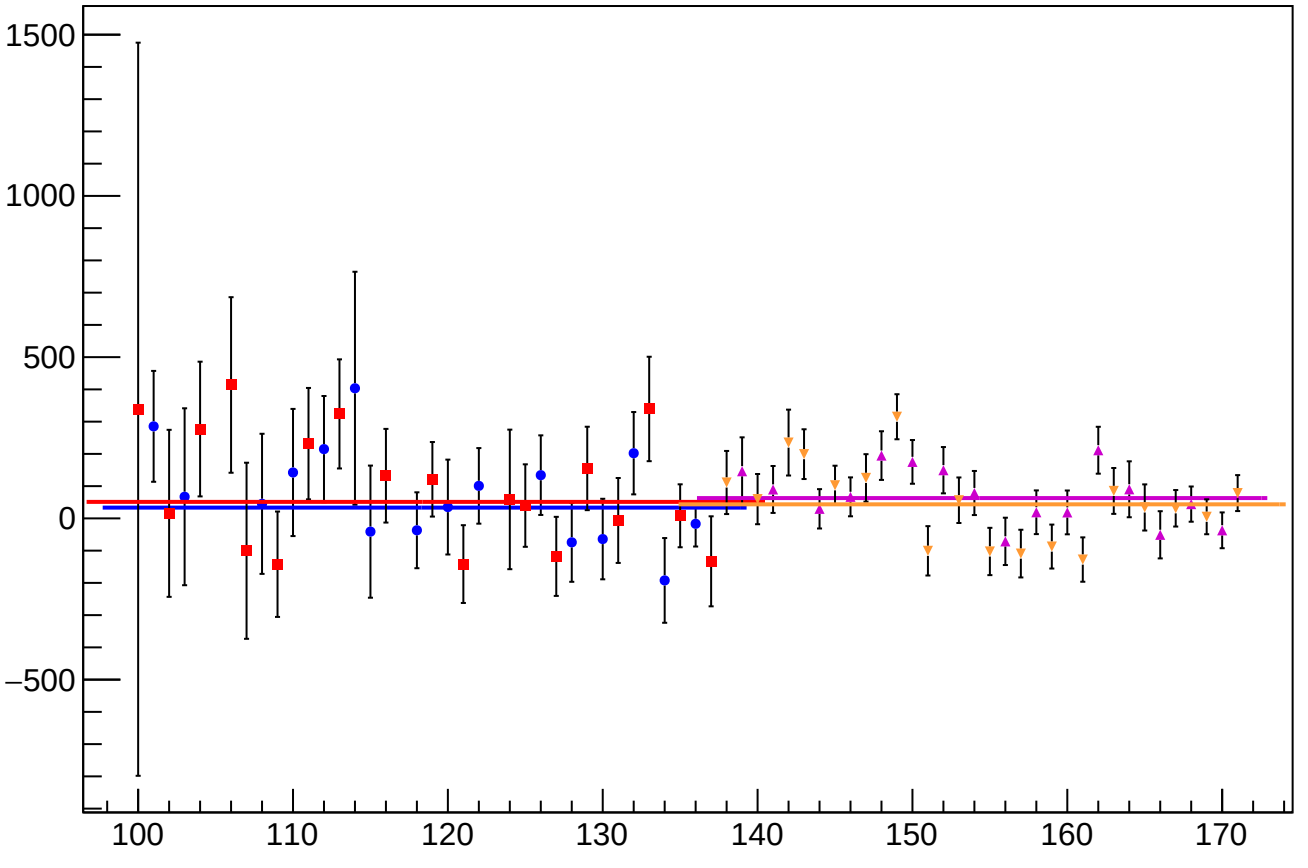
Left: 530.908+/-0.074 χ^2/NDF: 3494977.5/33

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 594.217+/-0.101 χ^2/NDF:6051976.7/31

Out: 594.111+/-0.099 χ^2/NDF:6950580.5/36

All: 594.162+/-0.071 χ^2/NDF: 13002557.8/68



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: 62.977+/-17.119 χ^2/NDF:22.6/15

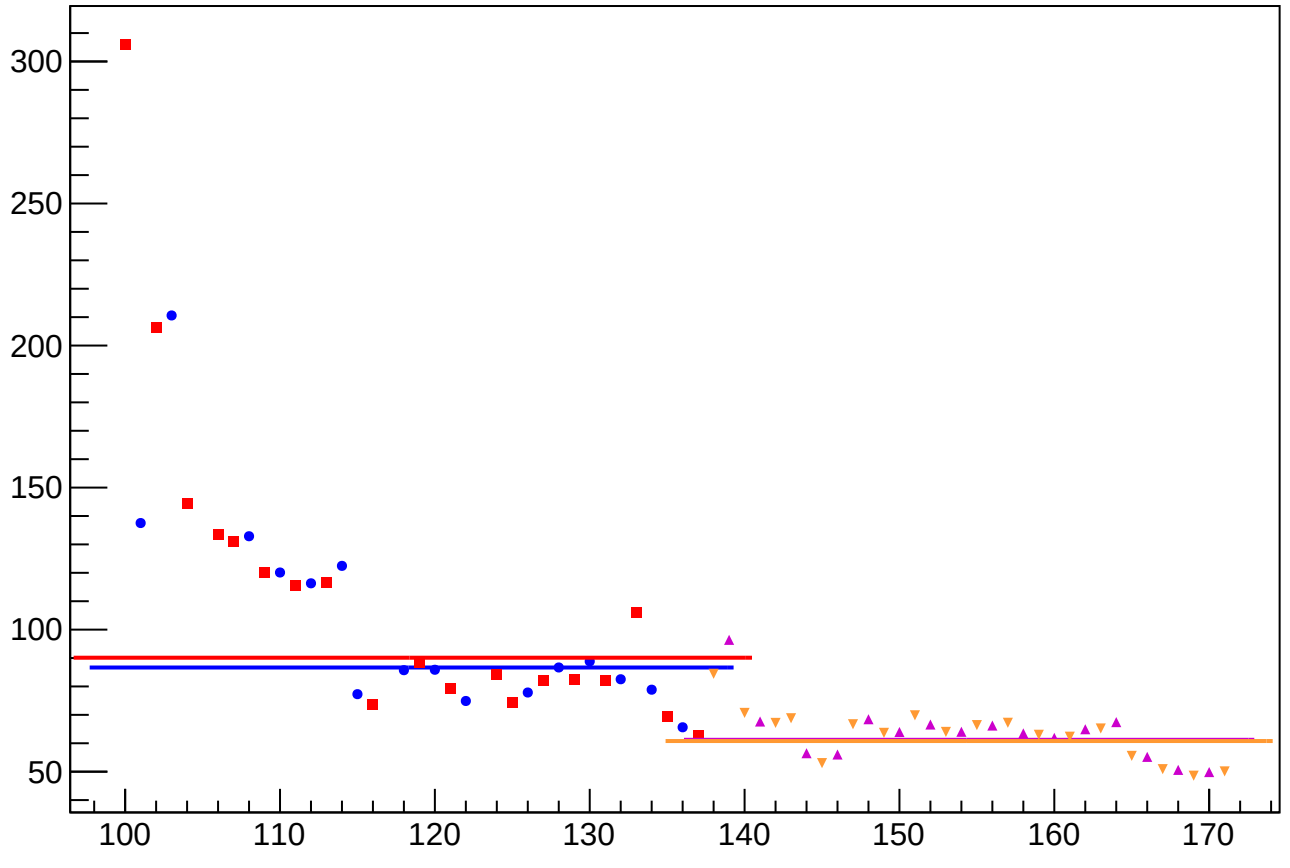
Left: 52.859+/-11.833 χ^2/NDF: 71.7/33

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 56.967+/-15.279 χ^2/NDF:36.0/31

Out: 44.972+/-14.821 χ^2/NDF:68.0/36

All: 50.787+/-10.638 χ^2/NDF: 104.3/68



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: 61.215+/-0.012 χ^2/NDF:502676.0/15

Left: 60.989+/-0.008 χ^2/NDF: 1047873.3/33

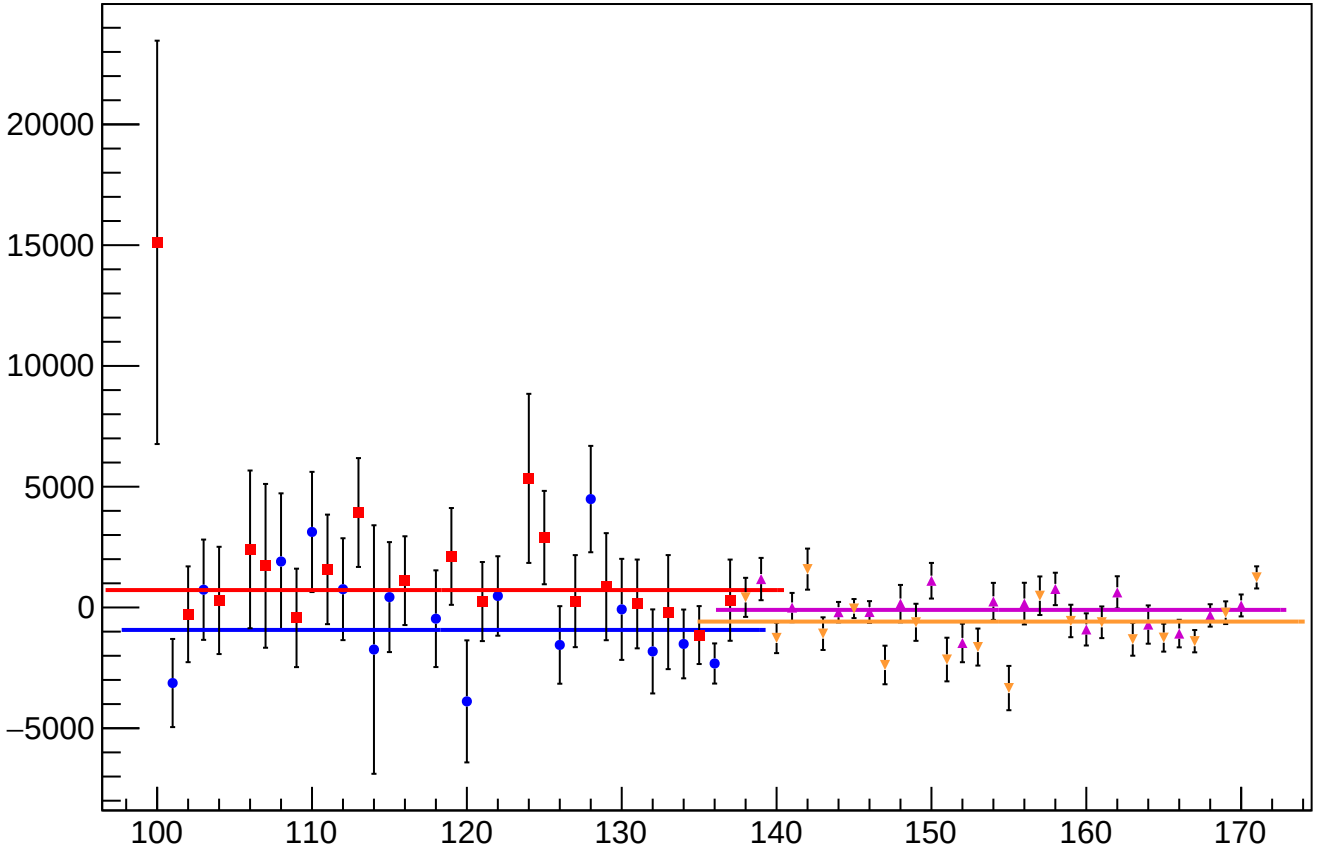
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 66.391+/-0.011 χ^2/NDF:2440605.2/31

Out: 66.087+/-0.010 χ^2/NDF:2850297.6/36

All: 66.234+/-0.008 χ^2/NDF: 5291309.7/68

asym_sam_3726_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -584.109+/-146.393 χ^2/NDF:54.5/17

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: -100.062+/-151.450 χ^2/NDF:16.5/15

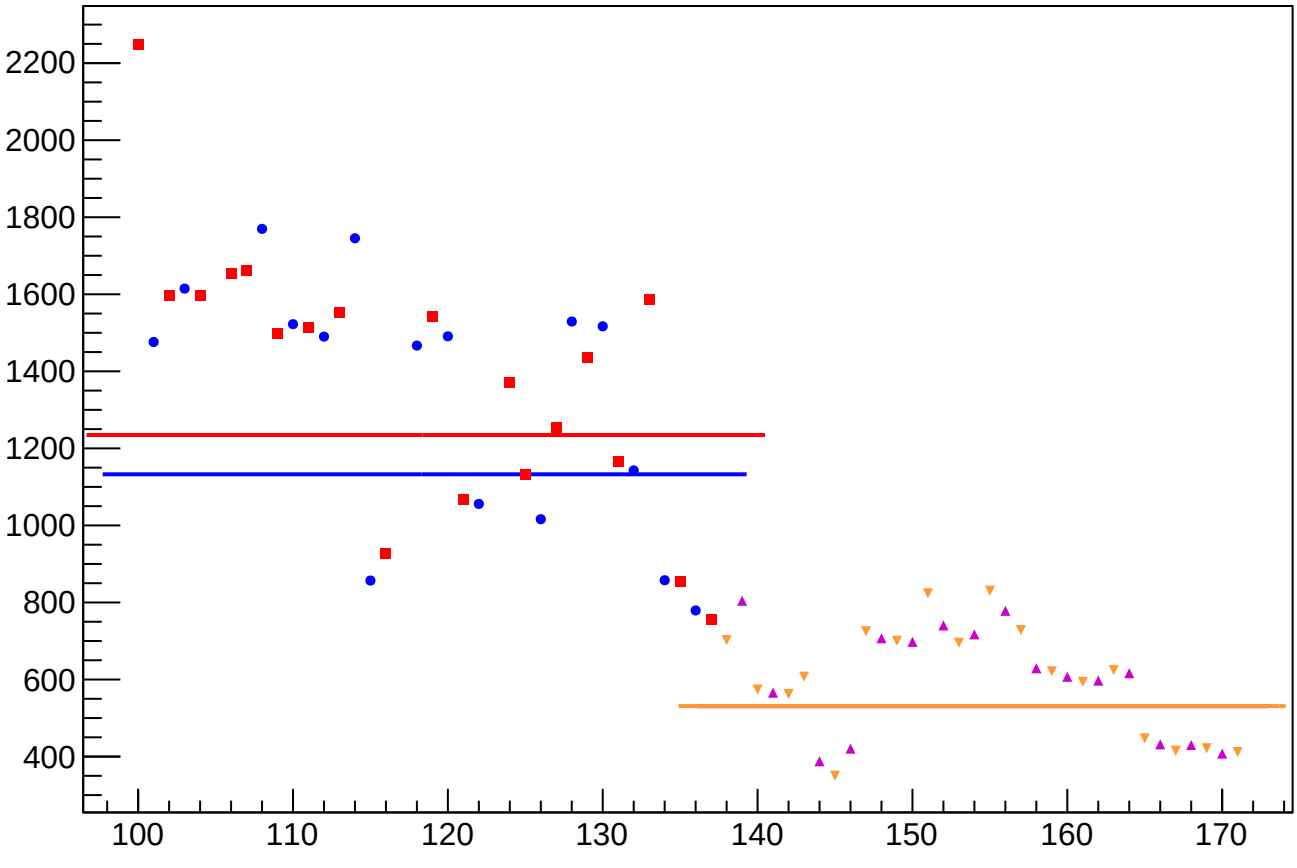
Left: -350.302+/-105.258 χ^2/NDF: 76.4/33

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -187.633+/-143.235 χ^2/NDF:38.2/31

Out: -468.069+/-139.731 χ^2/NDF:74.1/36

All: -331.323+/-100.021 χ^2/NDF: 114.3/68



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: 530.679+/-0.107 χ^2/NDF:1592569.4/15

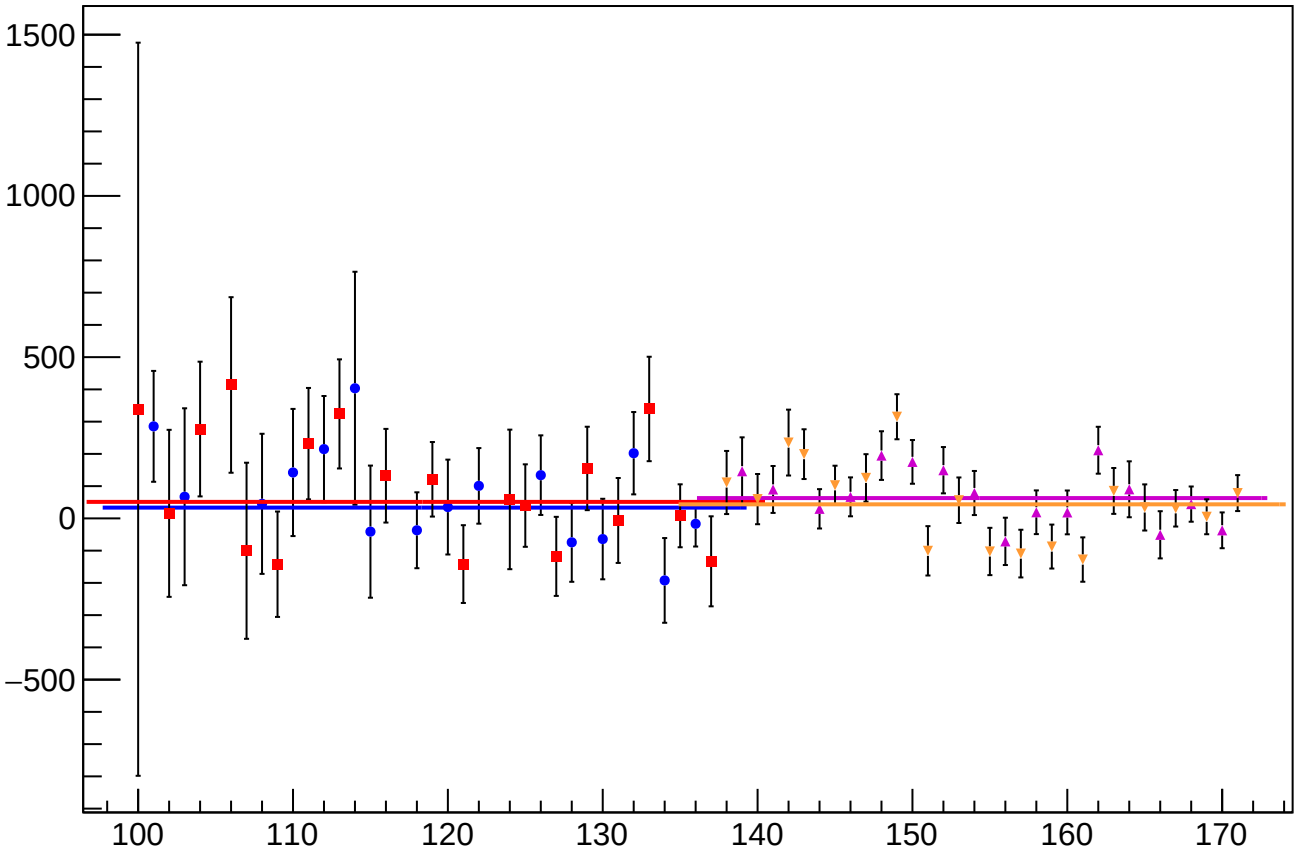
Left: 530.908+/-0.074 χ^2/NDF: 3494982.0/33

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 594.217+/-0.101 χ^2/NDF:6052010.8/31

Out: 593.698+/-0.099 χ^2/NDF:6887523.1/36

All: 593.951+/-0.071 χ^2/NDF: 12939547.3/68



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: 62.977+/-17.119 χ^2/NDF:22.6/15

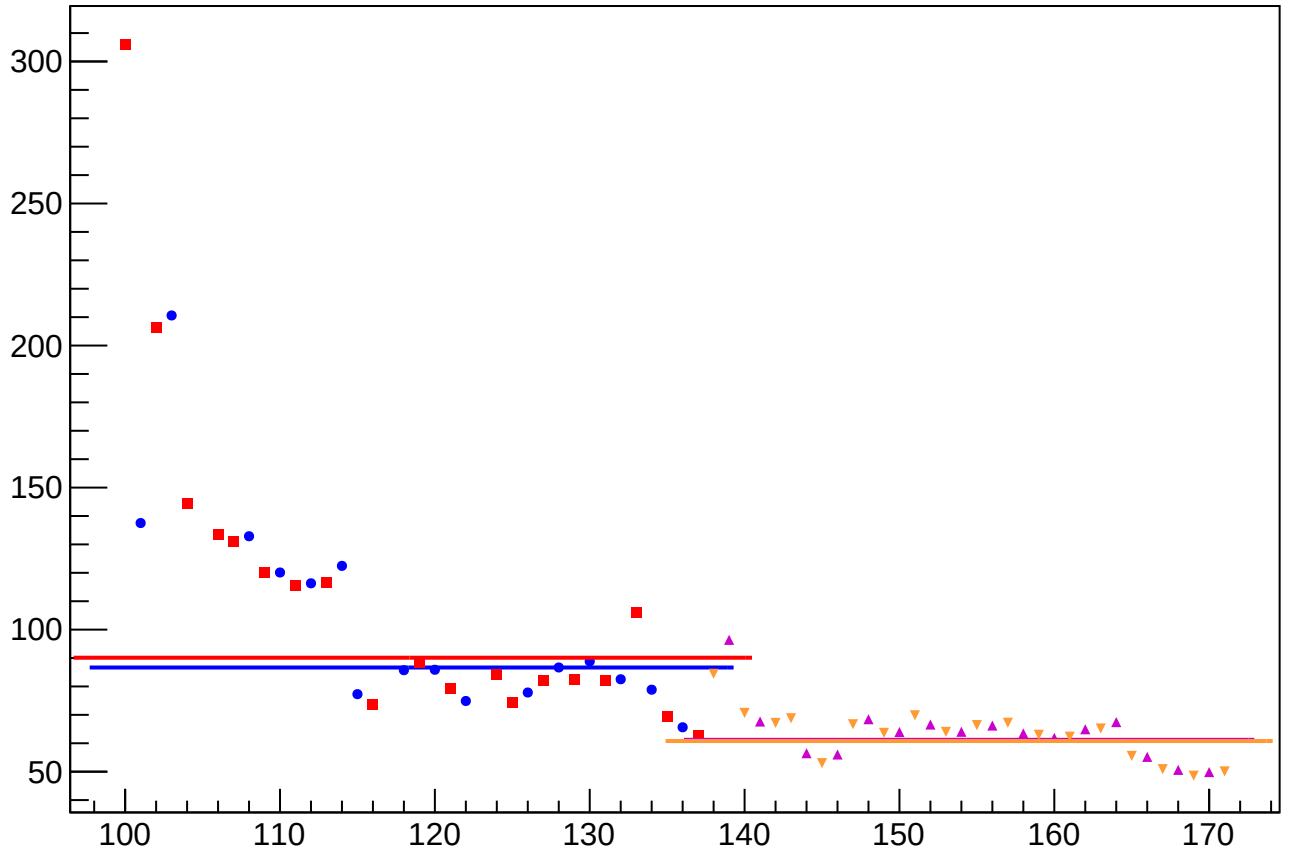
Left: 52.859+/-11.833 χ^2/NDF: 71.7/33

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 56.967+/-15.279 χ^2/NDF:36.0/31

Out: 44.972+/-14.821 χ^2/NDF:68.0/36

All: 50.787+/-10.638 χ^2/NDF: 104.3/68



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: 61.215+/-0.012 χ^2/NDF:502676.0/15

Left: 60.989+/-0.008 χ^2/NDF: 1047873.3/33

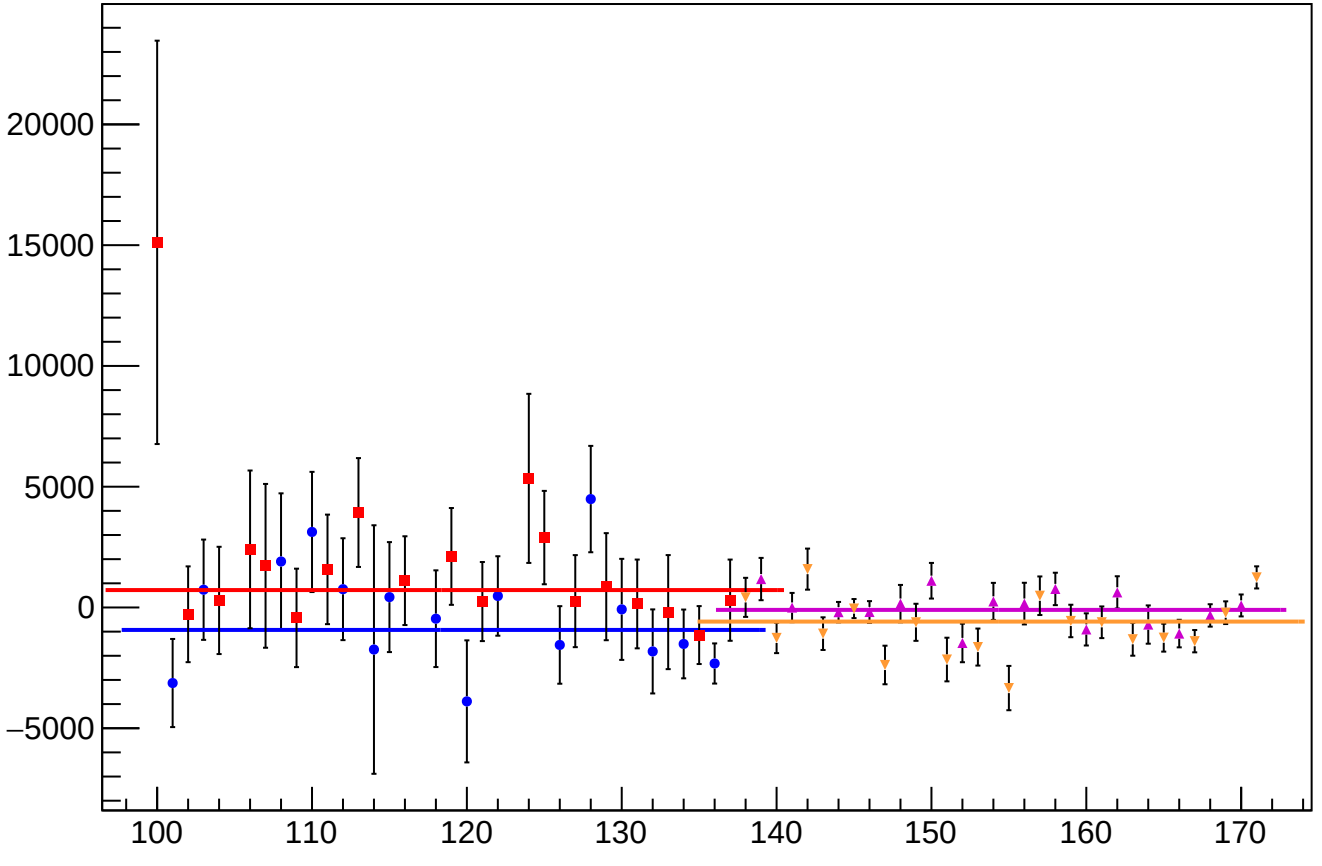
Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 66.391+/-0.011 χ^2/NDF:2440605.2/31

Out: 66.087+/-0.010 χ^2/NDF:2850297.6/36

All: 66.234+/-0.008 χ^2/NDF: 5291309.7/68

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: -100.062+/-151.450 χ^2/NDF:16.5/15

Left: -350.302+/-105.258 χ^2/NDF: 76.4/33

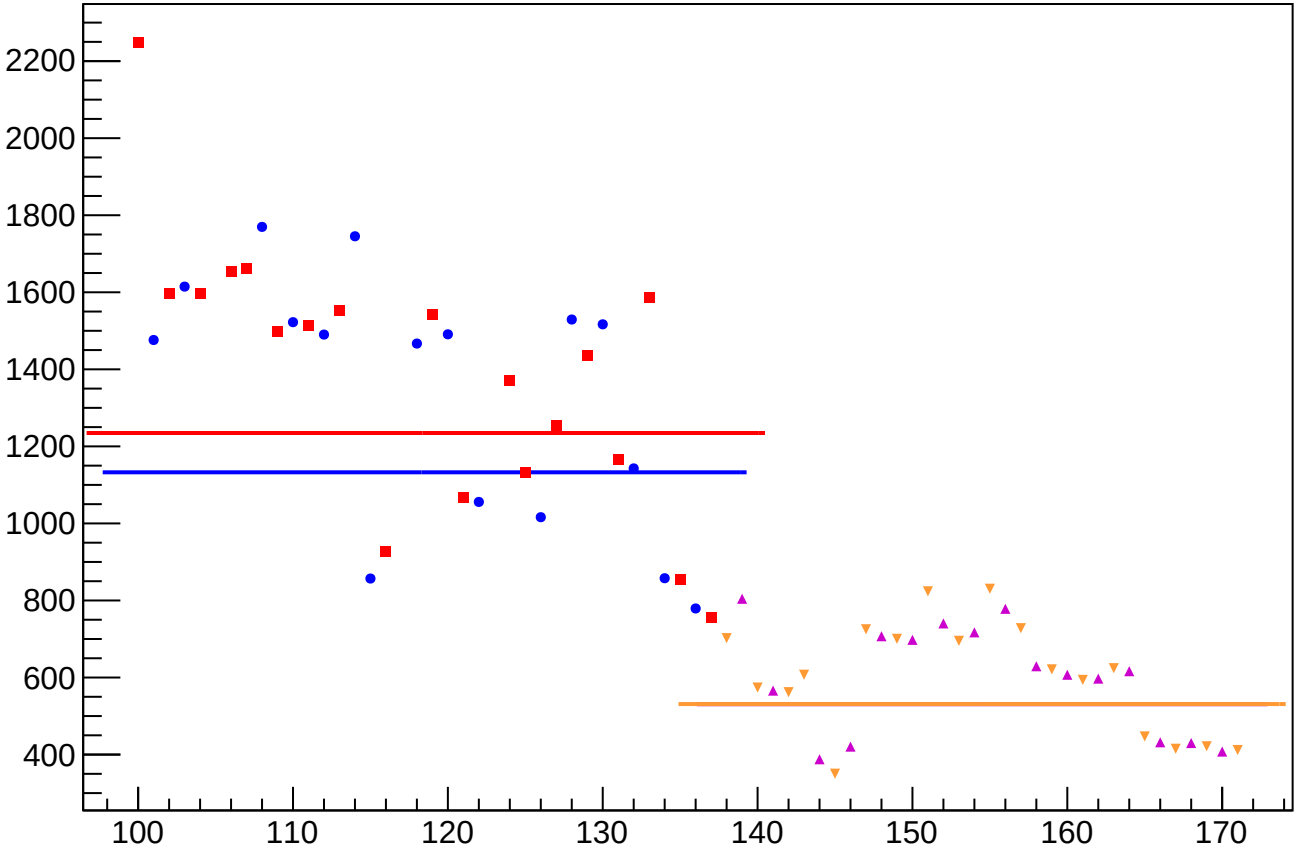
Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -187.633+/-143.235 χ^2/NDF:38.2/31

Out: -468.069+/-139.731 χ^2/NDF:74.1/36

All: -331.323+/-100.021 χ^2/NDF: 114.3/68

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1132.689+/-0.312 χ^2/NDF: 1124187.2/15

Left Out: 531.122+/-0.104 χ^2/NDF:1902403.7/17

Right Out: 1234.709+/-0.331 χ^2/NDF: 876272.4/18

Left In: 530.679+/-0.107 χ^2/NDF:1592569.4/15

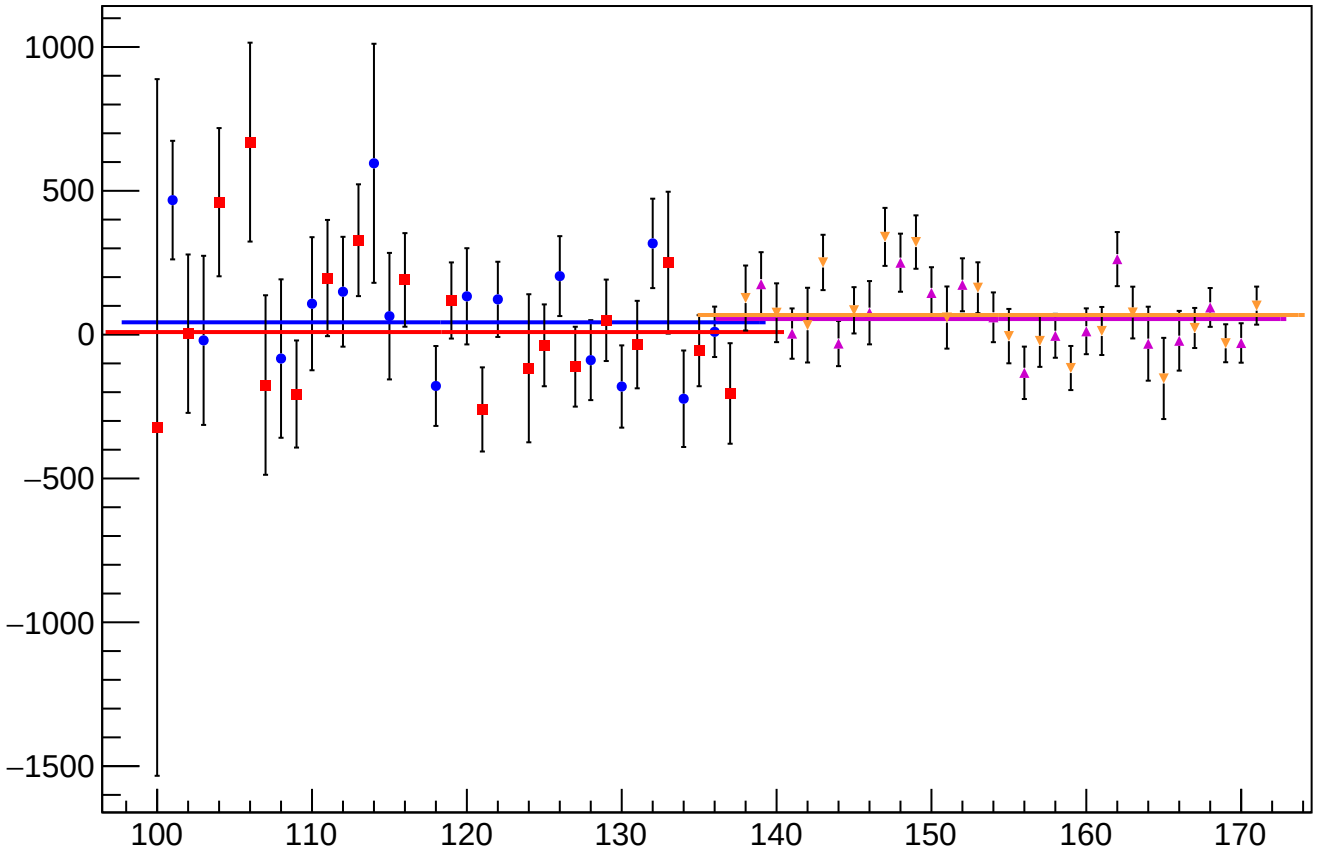
Left: 530.908+/-0.074 χ^2/NDF: 3494982.0/33

Right: 1180.601+/-0.227 χ^2/NDF: 2050749.6/34

In: 594.217+/-0.101 χ^2/NDF:6052010.8/31

Out: 593.698+/-0.099 χ^2/NDF:6887523.1/36

All: 593.951+/-0.071 χ^2/NDF: 12939547.3/68



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: 54.236+/-21.931 χ^2/NDF:22.0/15

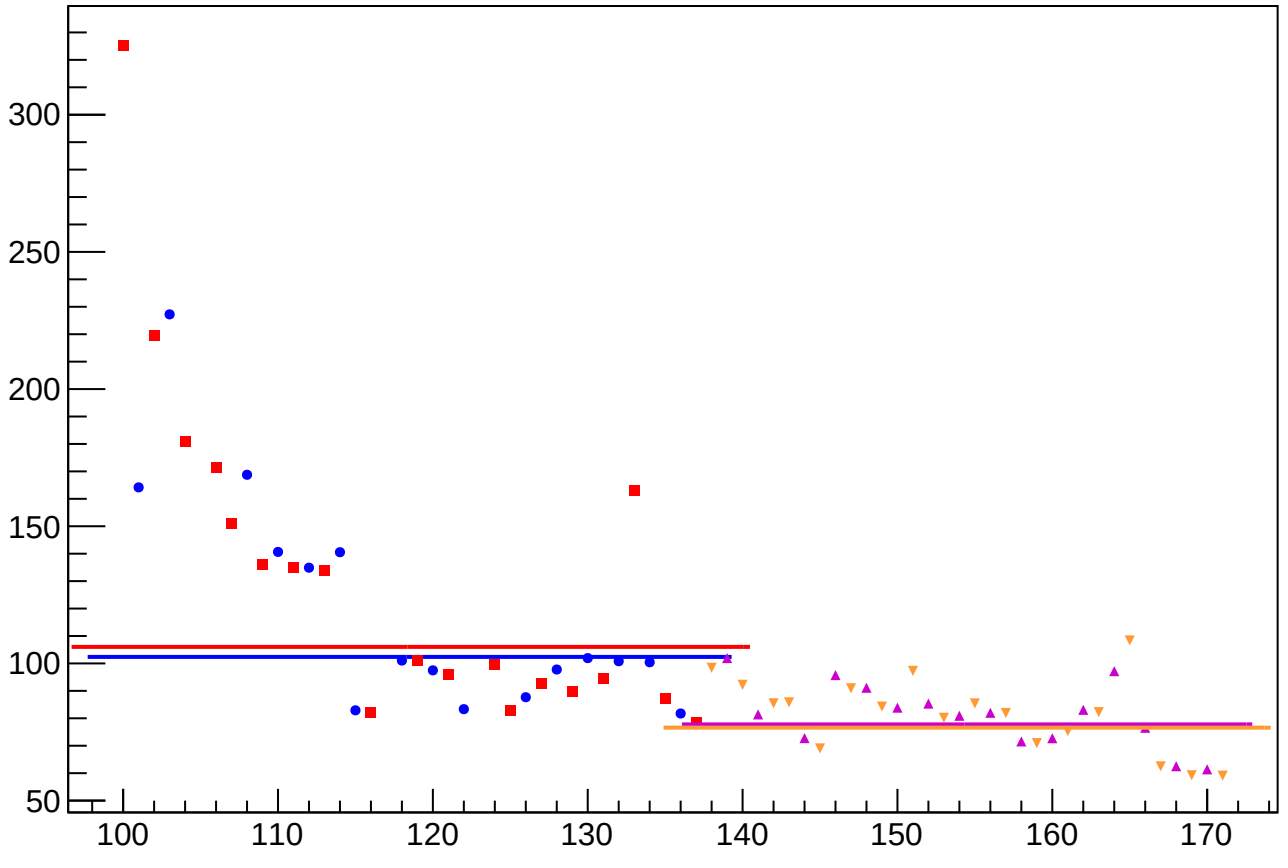
Left: 61.640+/-15.094 χ^2/NDF: 55.2/33

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 51.614+/-19.225 χ^2/NDF:42.4/31

Out: 56.185+/-18.559 χ^2/NDF:56.0/36

All: 53.980+/-13.352 χ^2/NDF: 98.4/68



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: 77.773+/-0.016 χ^2/NDF:513924.4/15

Left: 77.153+/-0.011 χ^2/NDF: 1319951.6/33

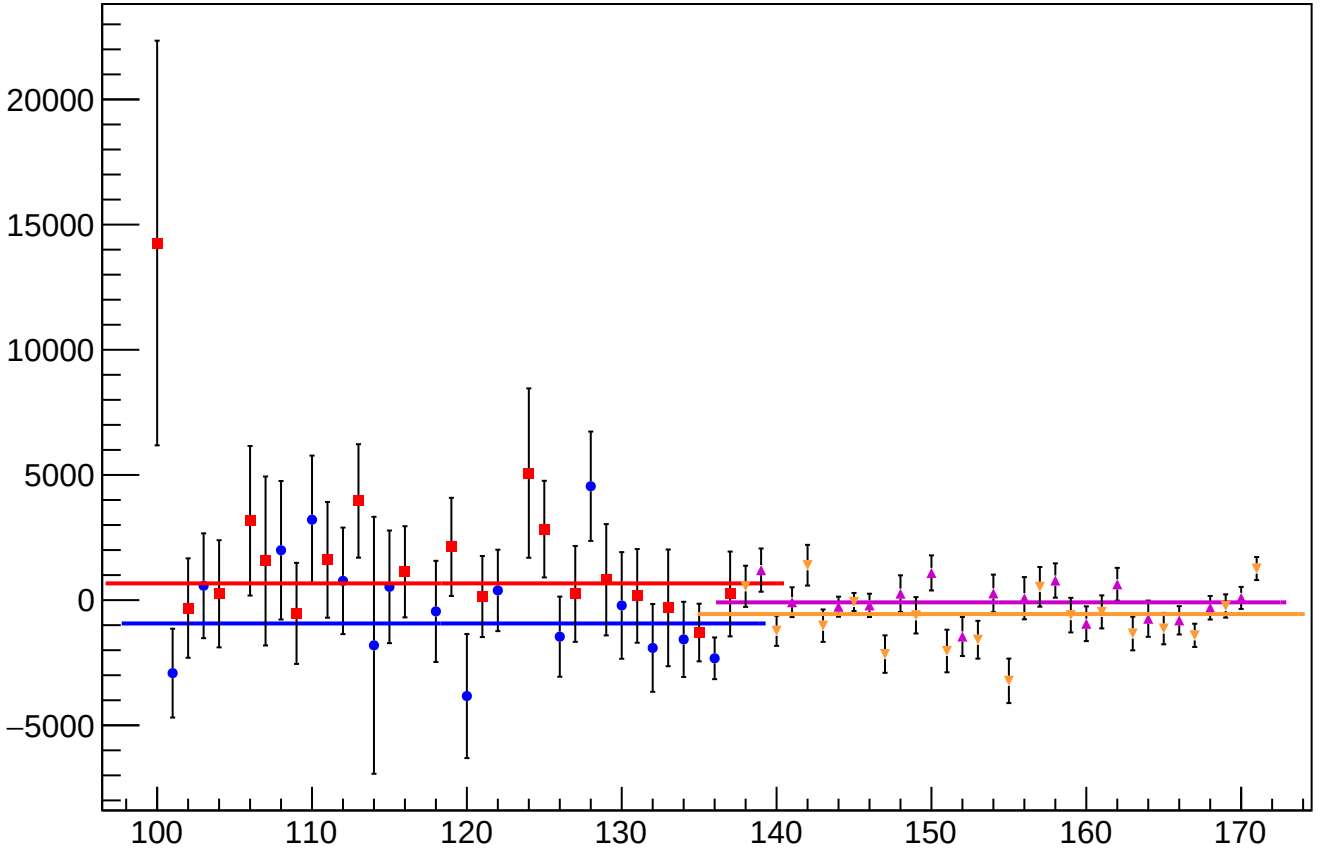
Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 83.472+/-0.014 χ^2/NDF:2079251.7/31

Out: 82.609+/-0.013 χ^2/NDF:2812281.5/36

All: 83.025+/-0.009 χ^2/NDF: 4893618.8/68

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



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: -89.264+/-149.024 χ^2/NDF:16.0/15

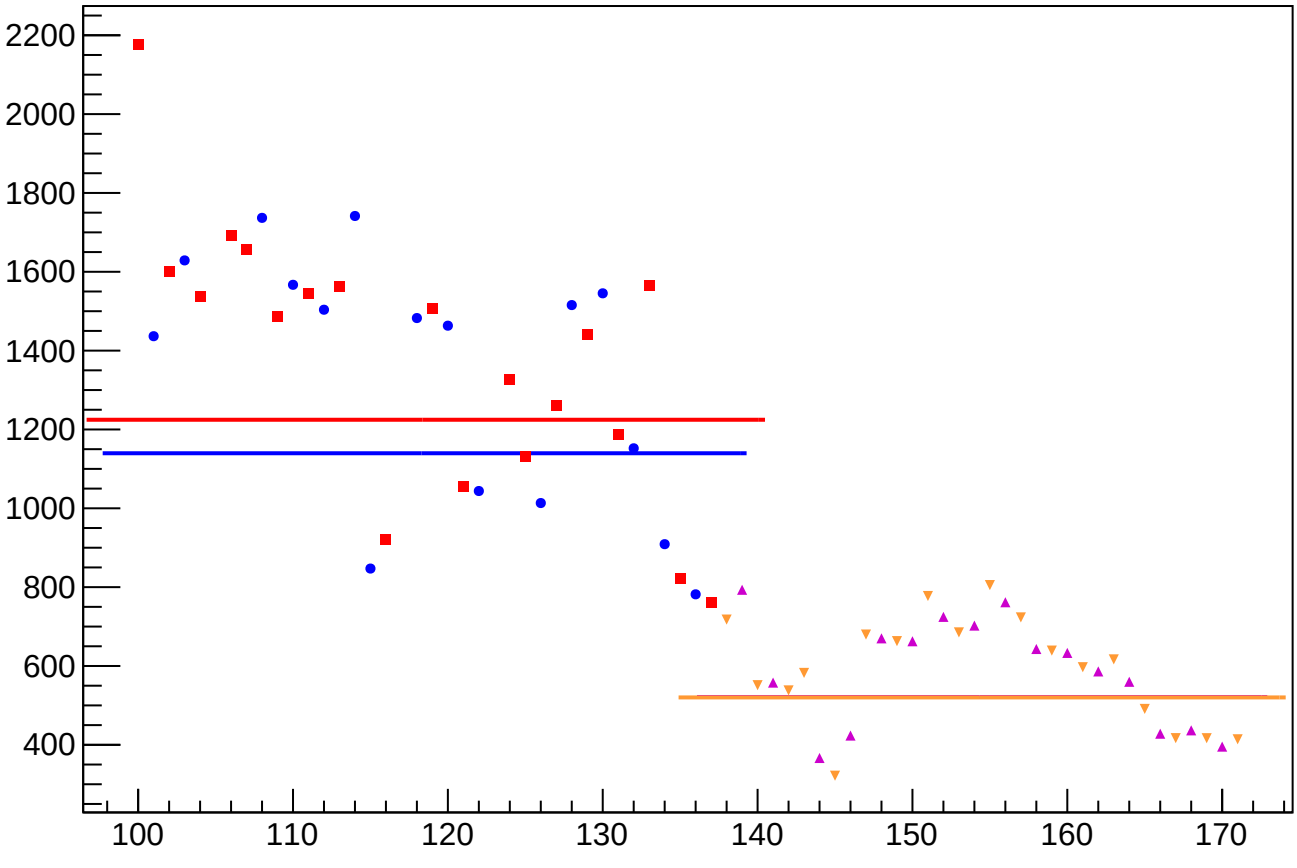
Left: -332.032+/-103.283 χ^2/NDF: 74.2/33

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: -175.071+/-141.238 χ^2/NDF:37.7/31

Out: -449.468+/-136.876 χ^2/NDF:72.9/36

All: -316.572+/-98.292 χ^2/NDF: 112.6/68



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: 521.350+/-0.105 χ^2/NDF:1595742.7/15

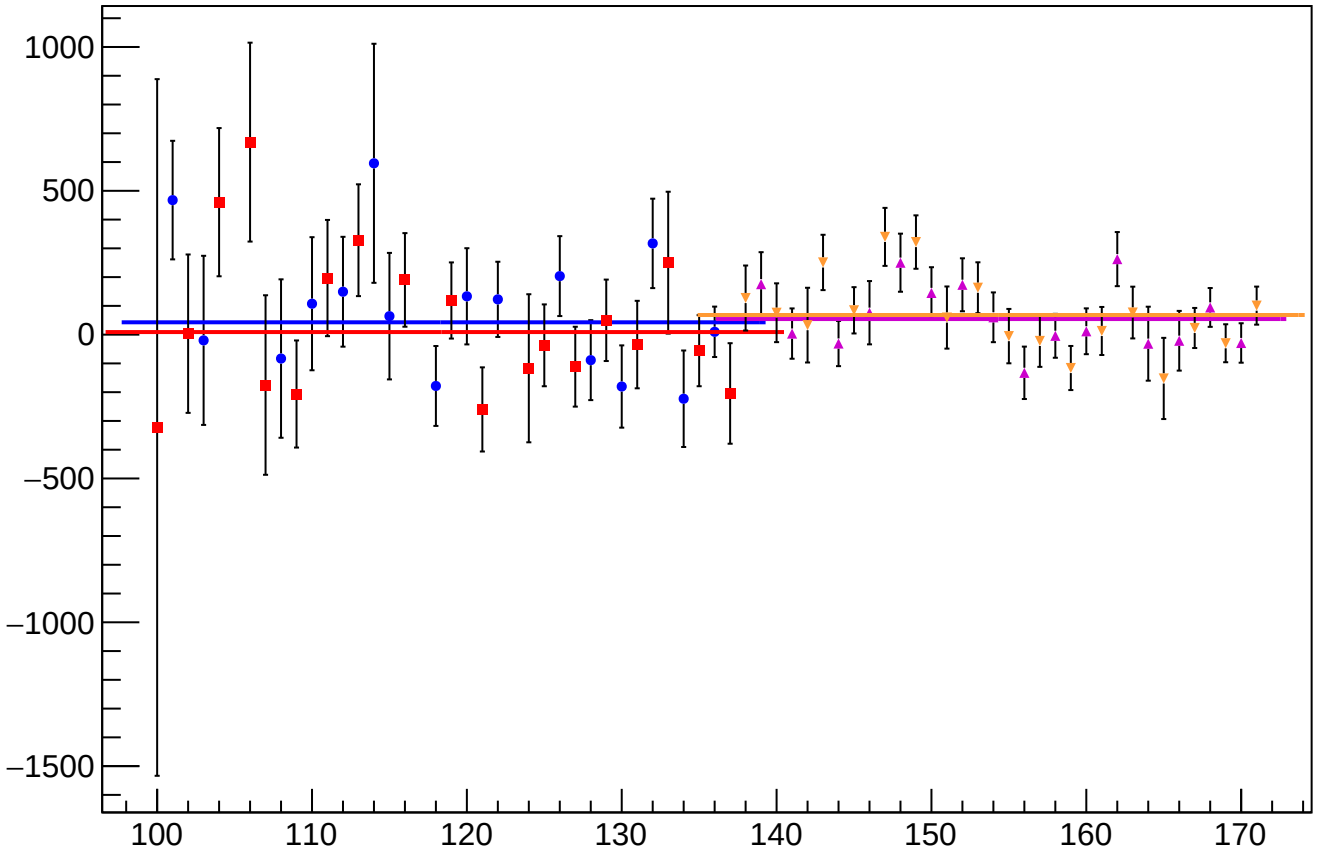
Left: 520.773+/-0.073 χ^2/NDF: 3567252.6/33

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 584.277+/-0.100 χ^2/NDF:6193101.5/31

Out: 581.743+/-0.097 χ^2/NDF:7114948.3/36

All: 582.971+/-0.070 χ^2/NDF: 13308381.7/68



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: 54.234+/-21.931 χ^2/NDF:22.0/15

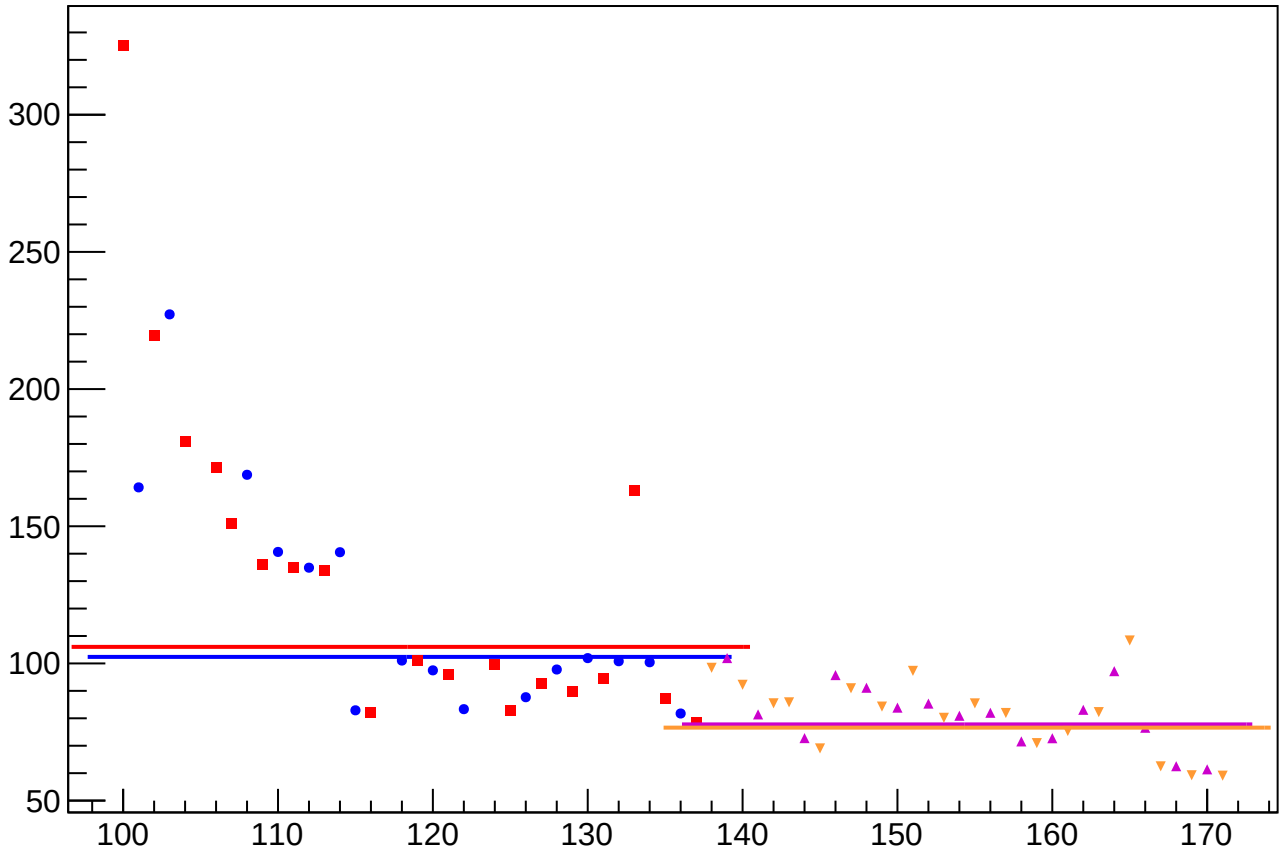
Left: 61.638+/-15.094 χ^2/NDF: 55.2/33

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 51.613+/-19.225 χ^2/NDF:42.4/31

Out: 56.183+/-18.559 χ^2/NDF:56.0/36

All: 53.978+/-13.352 χ^2/NDF: 98.4/68



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: 77.774+/-0.016 χ^2/NDF:513916.4/15

Left: 77.153+/-0.011 χ^2/NDF: 1319936.0/33

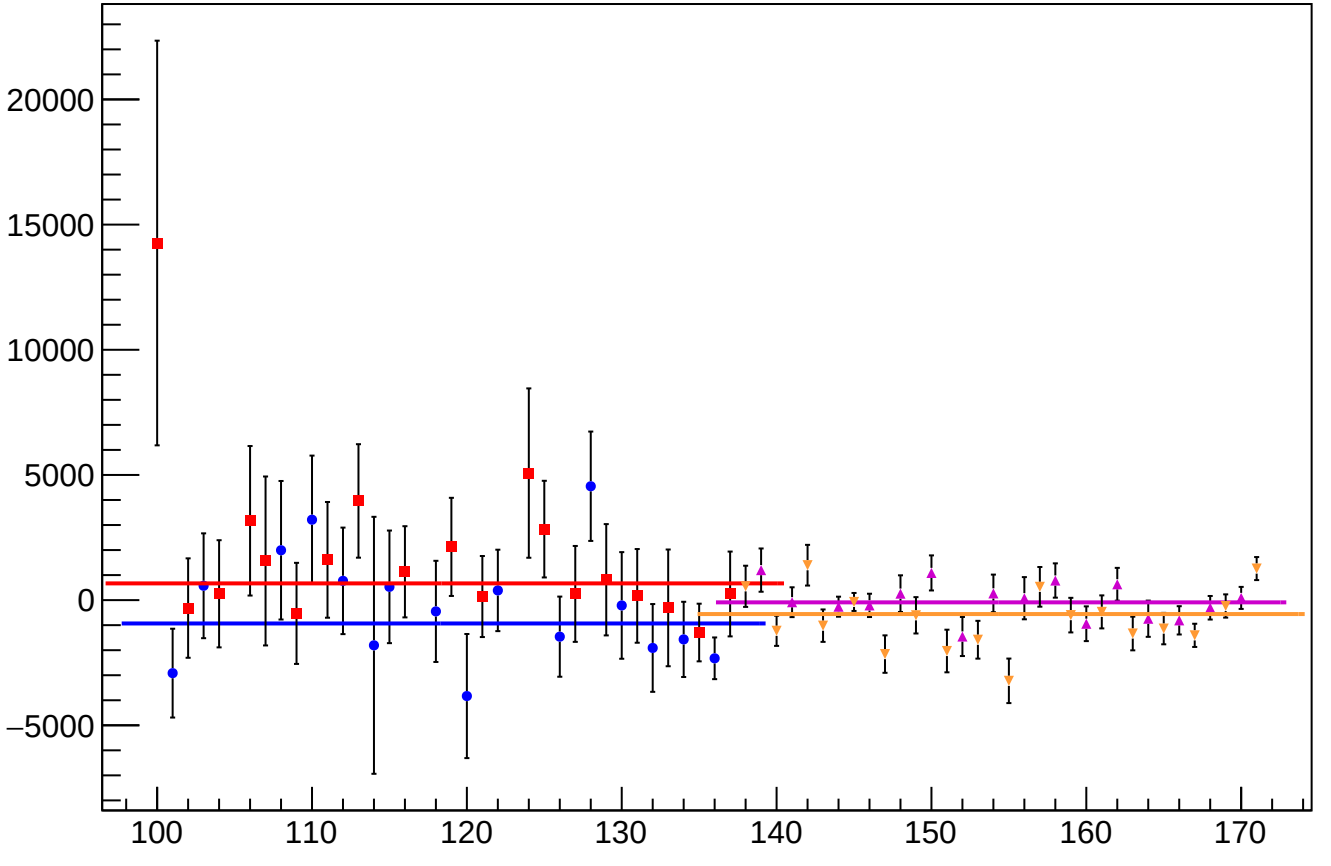
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 83.472+/-0.014 χ^2/NDF:2079212.0/31

Out: 82.609+/-0.013 χ^2/NDF:2812255.0/36

All: 83.025+/-0.009 χ^2/NDF: 4893552.7/68

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: -89.265+/-149.024 χ^2/NDF:16.0/15

Left: -332.032+/-103.283 χ^2/NDF: 74.2/33

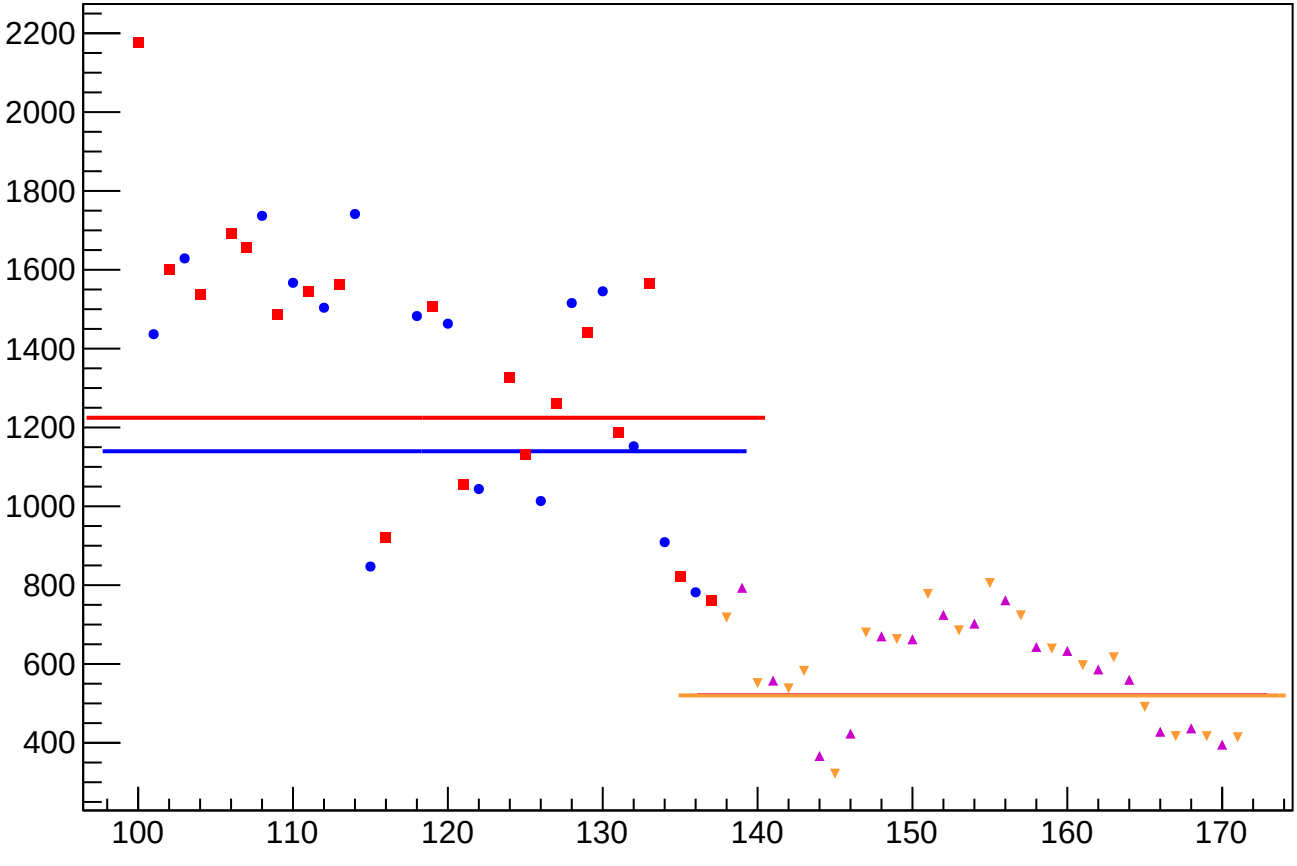
Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: -175.071+/-141.237 χ^2/NDF:37.7/31

Out: -449.467+/-136.875 χ^2/NDF:72.9/36

All: -316.572+/-98.291 χ^2/NDF: 112.6/68

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 520.237+/-0.101 χ^2/NDF:1971471.4/17

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 521.350+/-0.105 χ^2/NDF:1595749.7/15

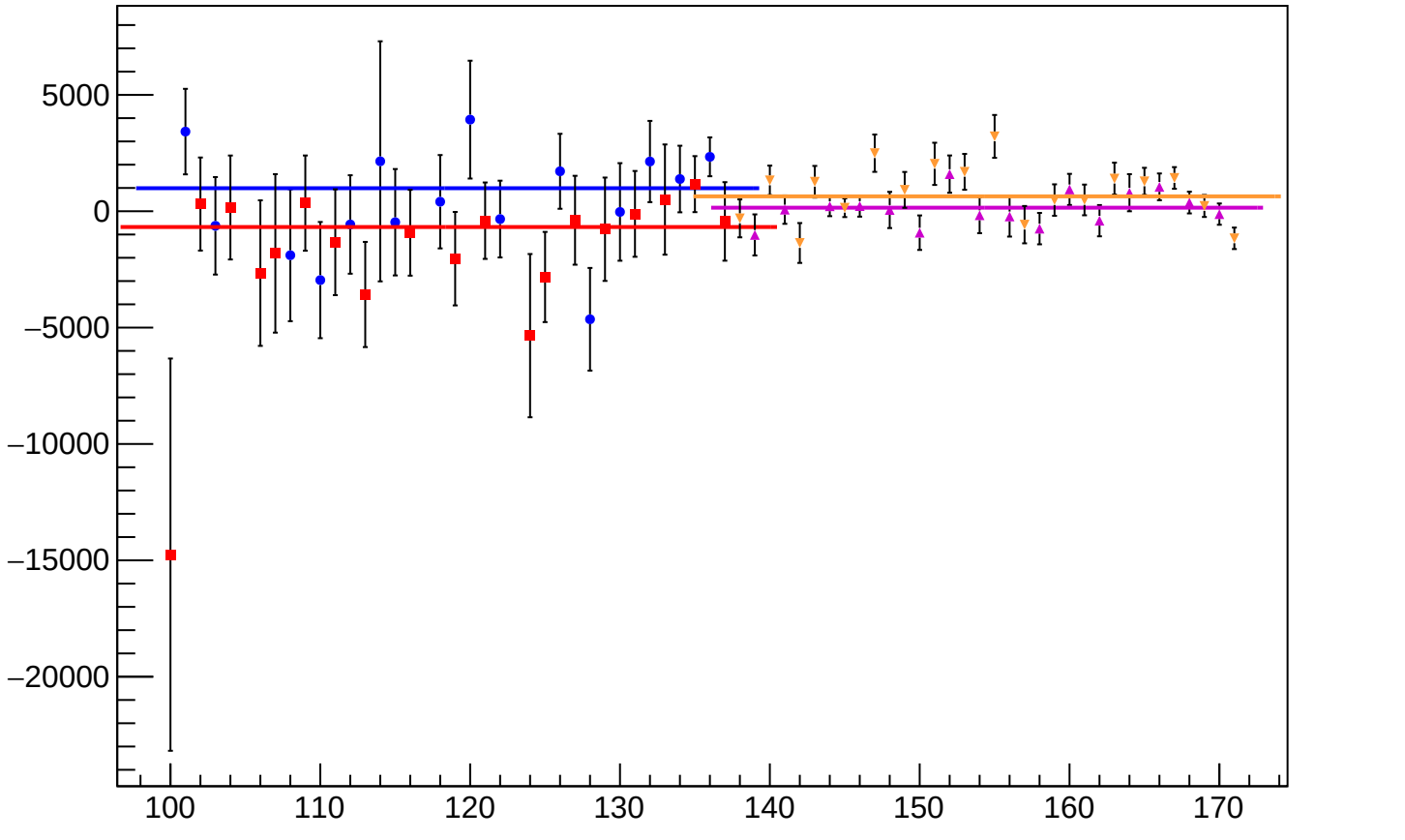
Left: 520.772+/-0.073 χ^2/NDF: 3567279.0/33

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 584.277+/-0.100 χ^2/NDF:6193100.2/31

Out: 581.742+/-0.097 χ^2/NDF:7114964.5/36

All: 582.970+/-0.070 χ^2/NDF: 13308396.8/68



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: 152.127+/-152.577 χ^2/NDF:15.0/15

Left: 404.047+/-106.026 χ^2/NDF: 72.0/33

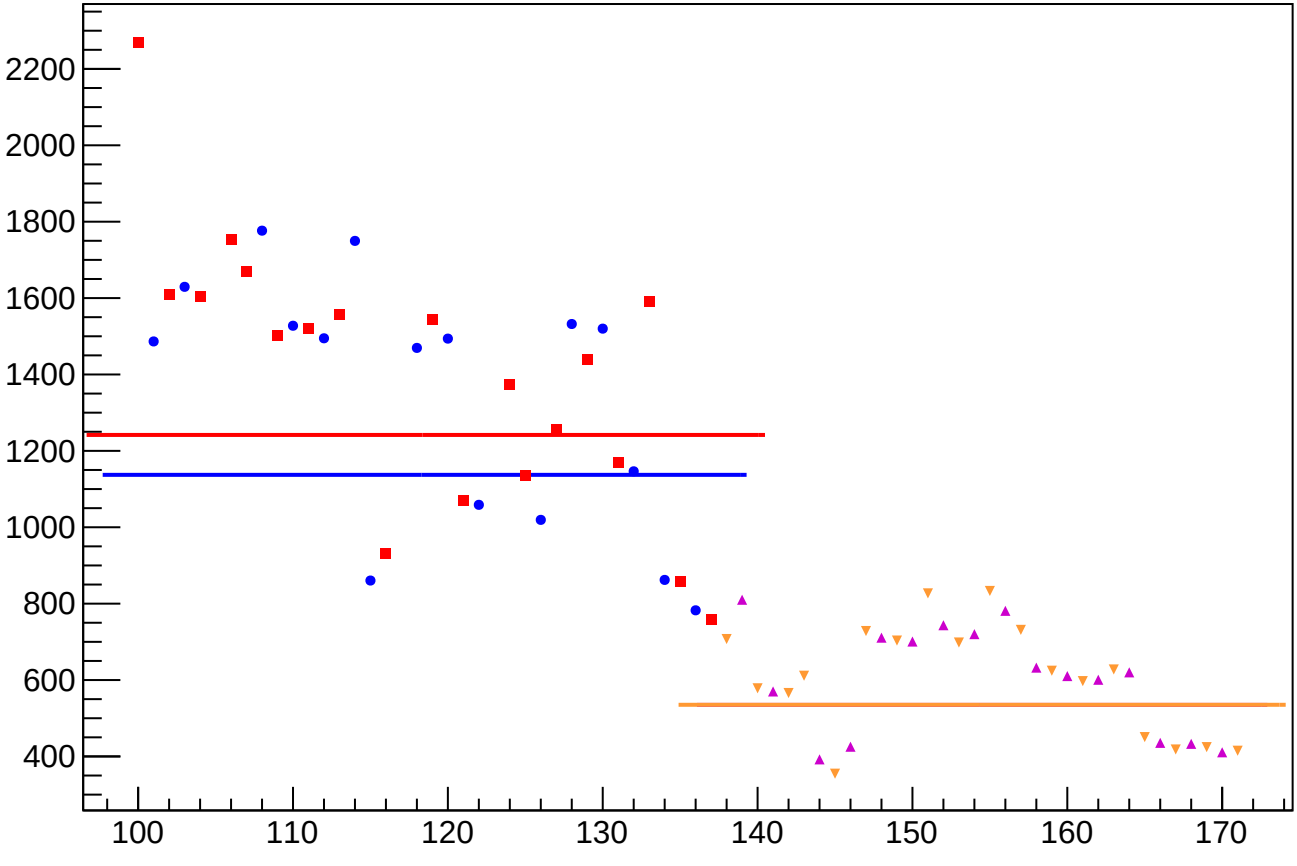
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 241.038+/-144.247 χ^2/NDF:37.3/31

Out: 521.149+/-140.674 χ^2/NDF:70.8/36

All: 384.606+/-100.711 χ^2/NDF: 110.0/68

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: 534.909+/-0.108 χ^2/NDF:1567616.2/15

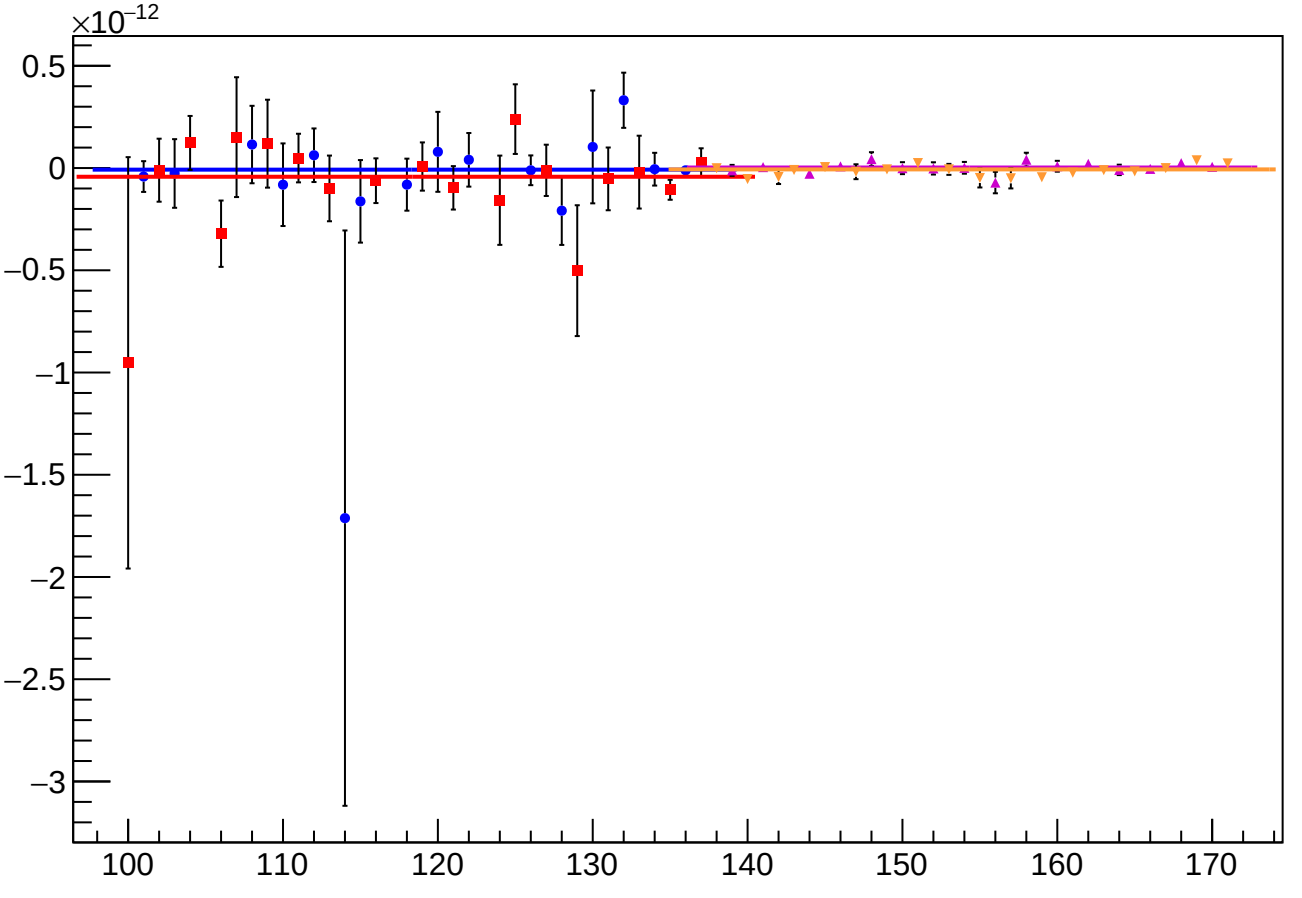
Left: 535.068+/-0.075 χ^2/NDF: 3441307.9/33

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 598.874+/-0.102 χ^2/NDF:6001255.5/31

Out: 598.601+/-0.099 χ^2/NDF:6892836.9/36

All: 598.734+/-0.071 χ^2/NDF: 12894096.0/68



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:10.4/15

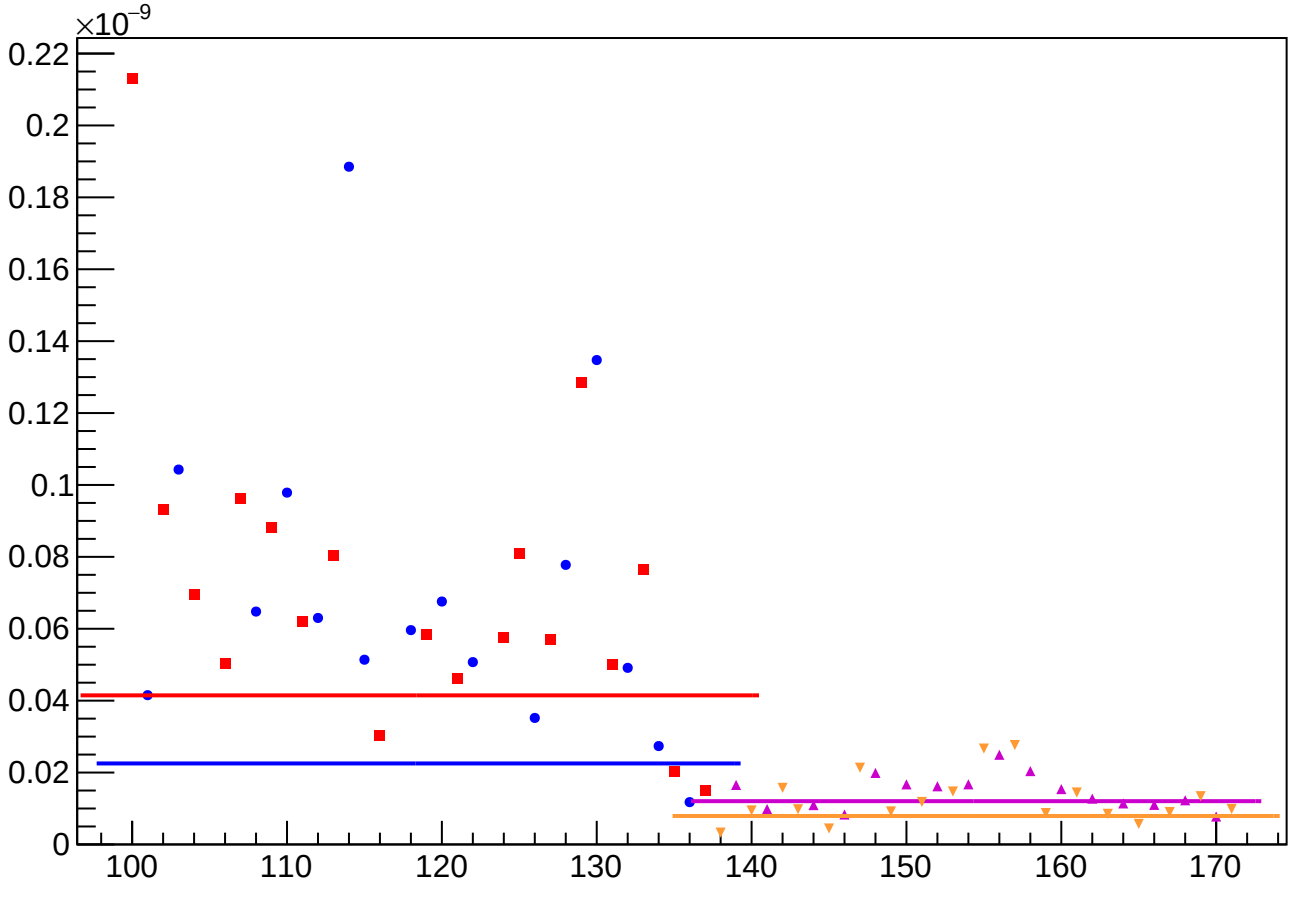
Left: -0.000+/-0.000 χ^2/NDF: 37.6/33

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:22.5/31

Out: -0.000+/-0.000 χ^2/NDF:42.7/36

All: -0.000+/-0.000 χ^2/NDF: 67.0/68



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:903113.7/15

Left: 0.000+/-0.000 χ^2/NDF: 3915301.6/33

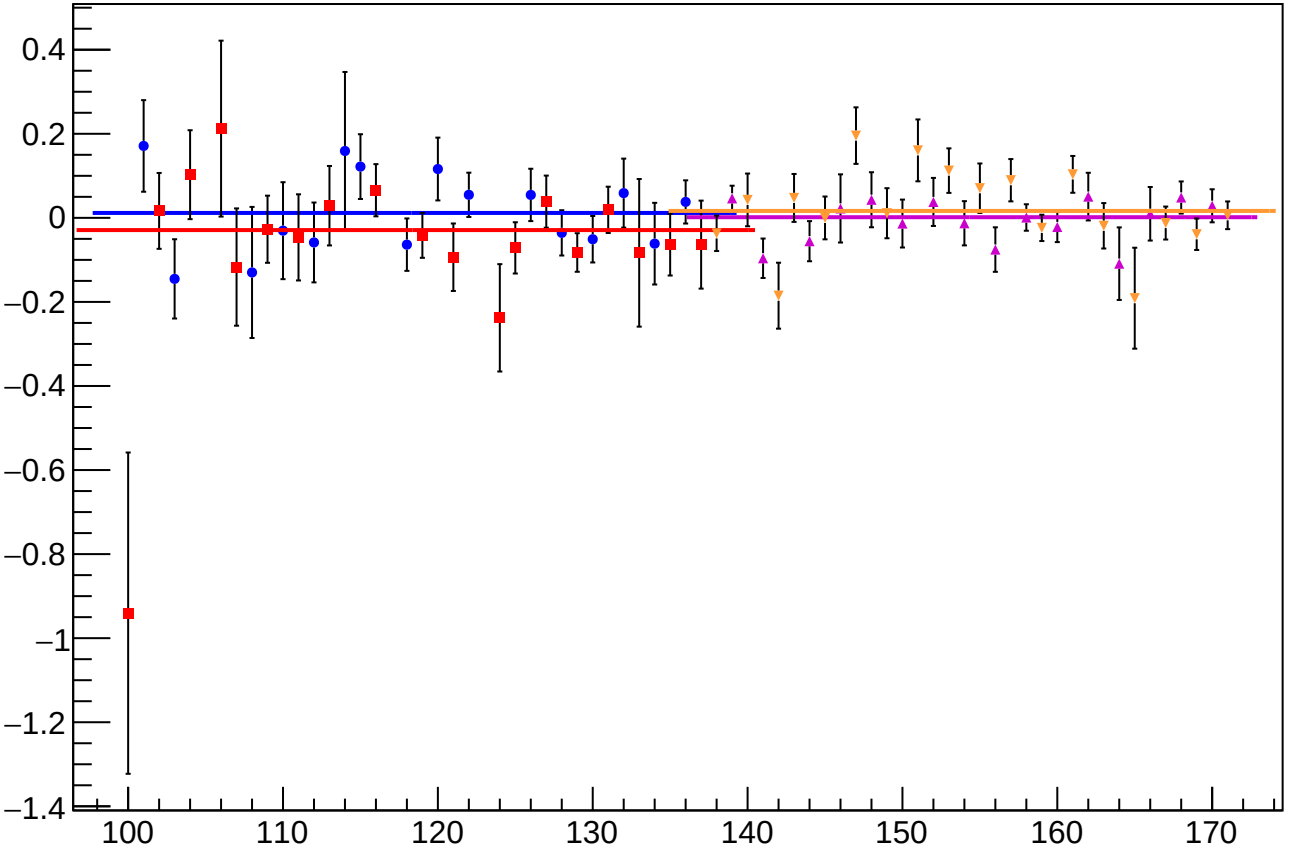
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4414879.7/31

Out: 0.000+/-0.000 χ^2/NDF:7178258.7/36

All: 0.000+/-0.000 χ^2/NDF: 12431706.3/68

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: 0.002+/-0.012 χ^2/NDF:15.9/15

Left: 0.009+/-0.008 χ^2/NDF: 54.6/33

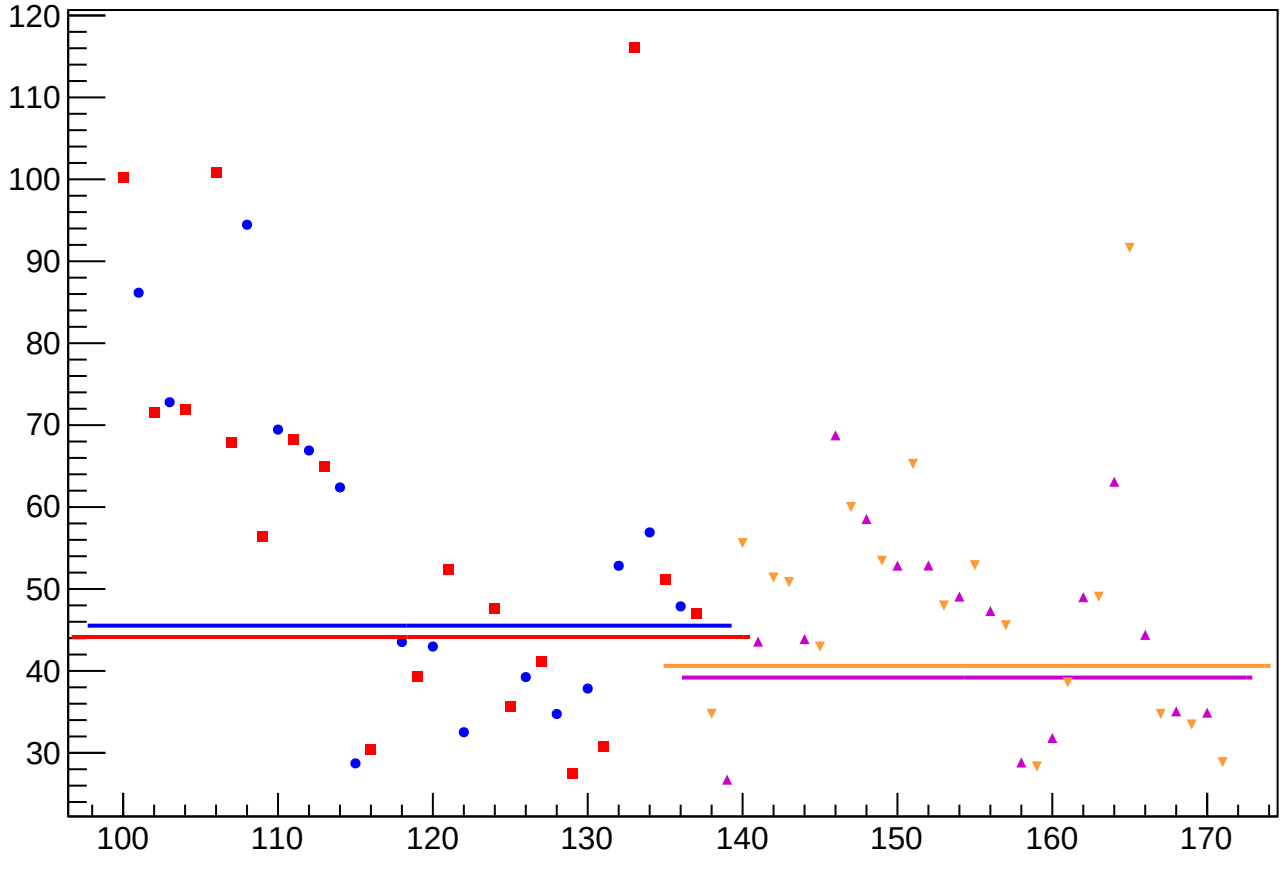
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.004+/-0.007 χ^2/NDF: 95.0/68

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: 39.190+/-0.008 χ^2/NDF:1741226.3/15

Left: 39.909+/-0.006 χ^2/NDF: 3737802.8/33

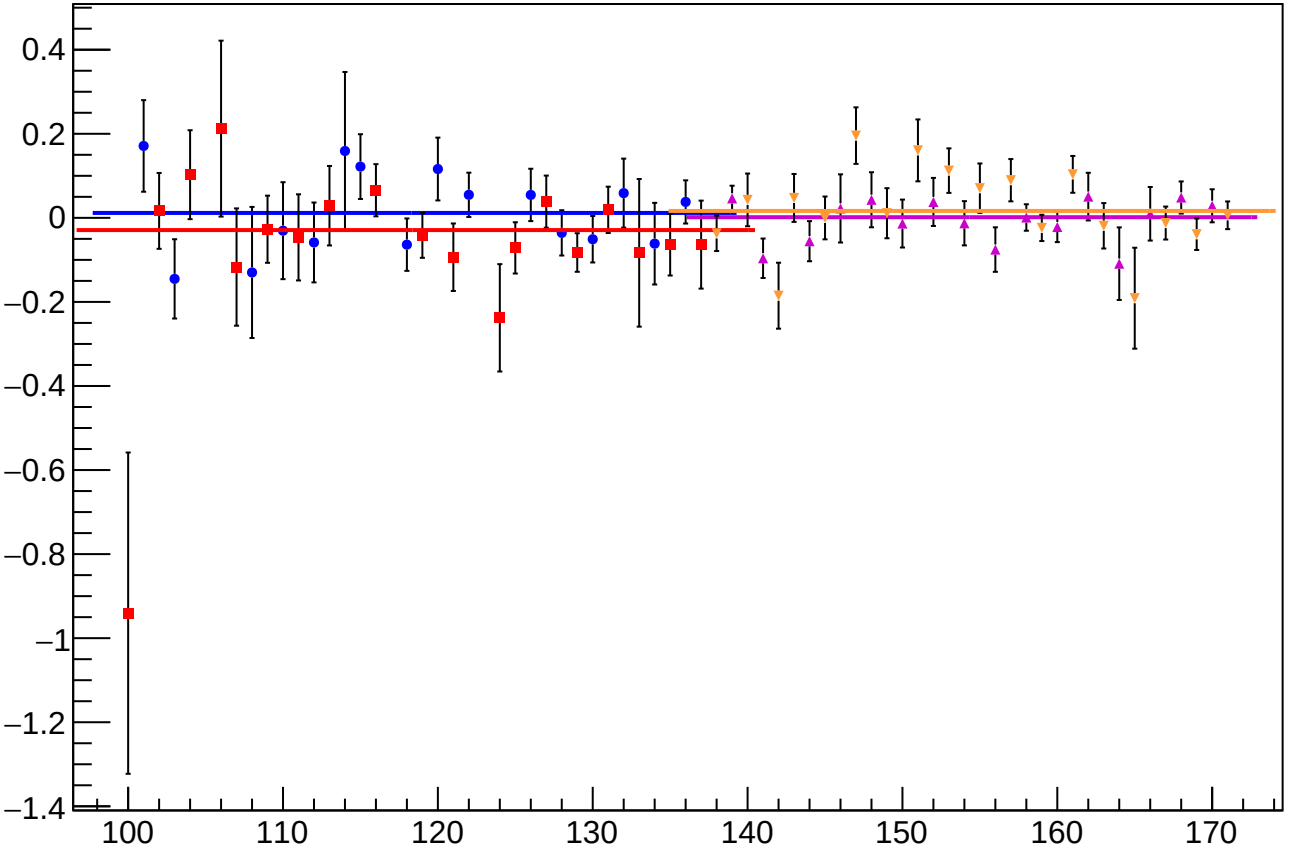
Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.989+/-0.007 χ^2/NDF:3166453.5/31

Out: 41.639+/-0.007 χ^2/NDF:3779760.3/36

All: 41.318+/-0.005 χ^2/NDF: 6950717.5/68

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.016+/-0.011 χ^2/NDF:37.8/17

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.002+/-0.012 χ^2/NDF:15.9/15

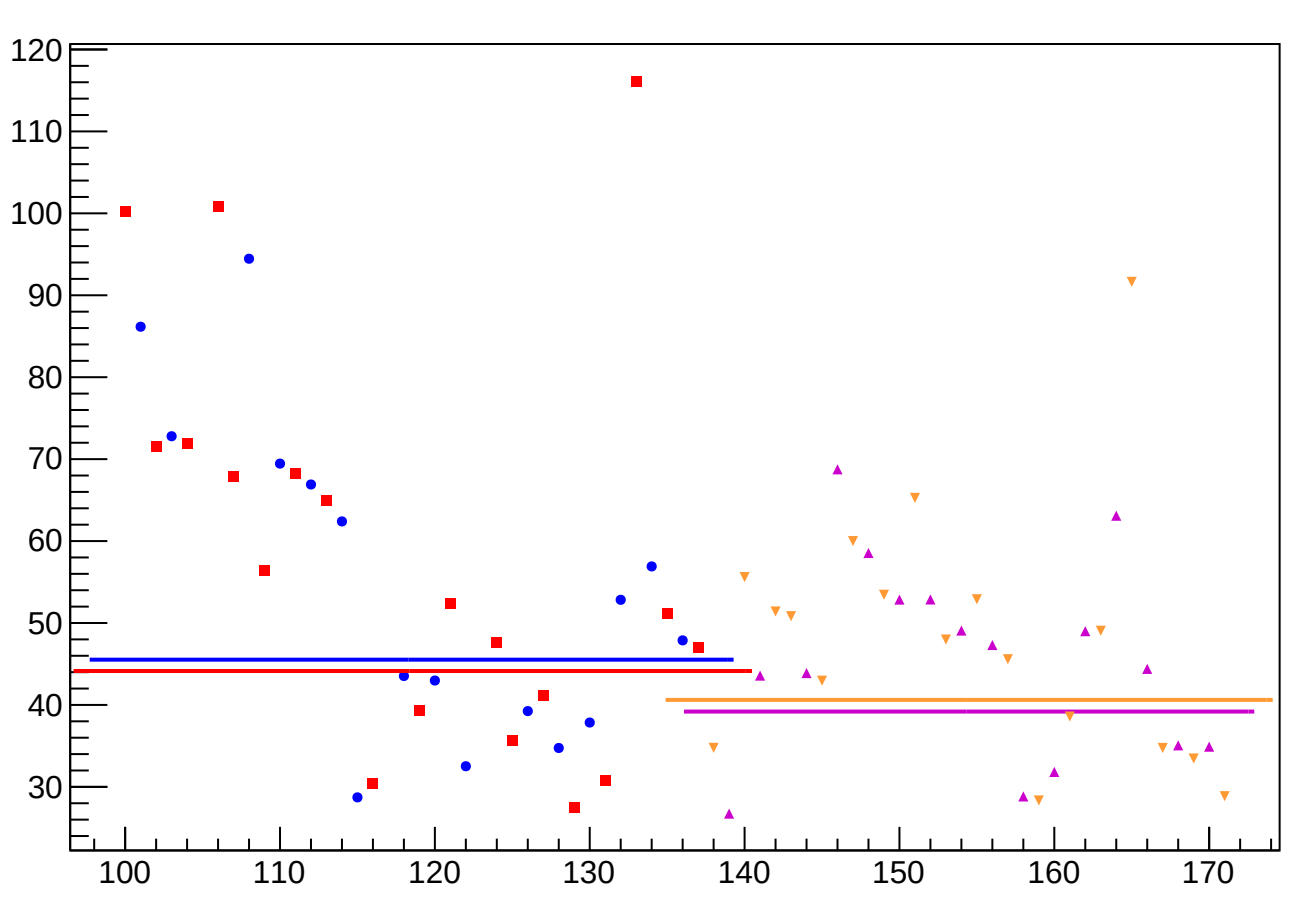
Left: 0.009+/-0.008 χ^2/NDF: 54.6/33

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.004+/-0.007 χ^2/NDF: 95.0/68



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: 39.190+/-0.008 χ^2/NDF:1741226.3/15

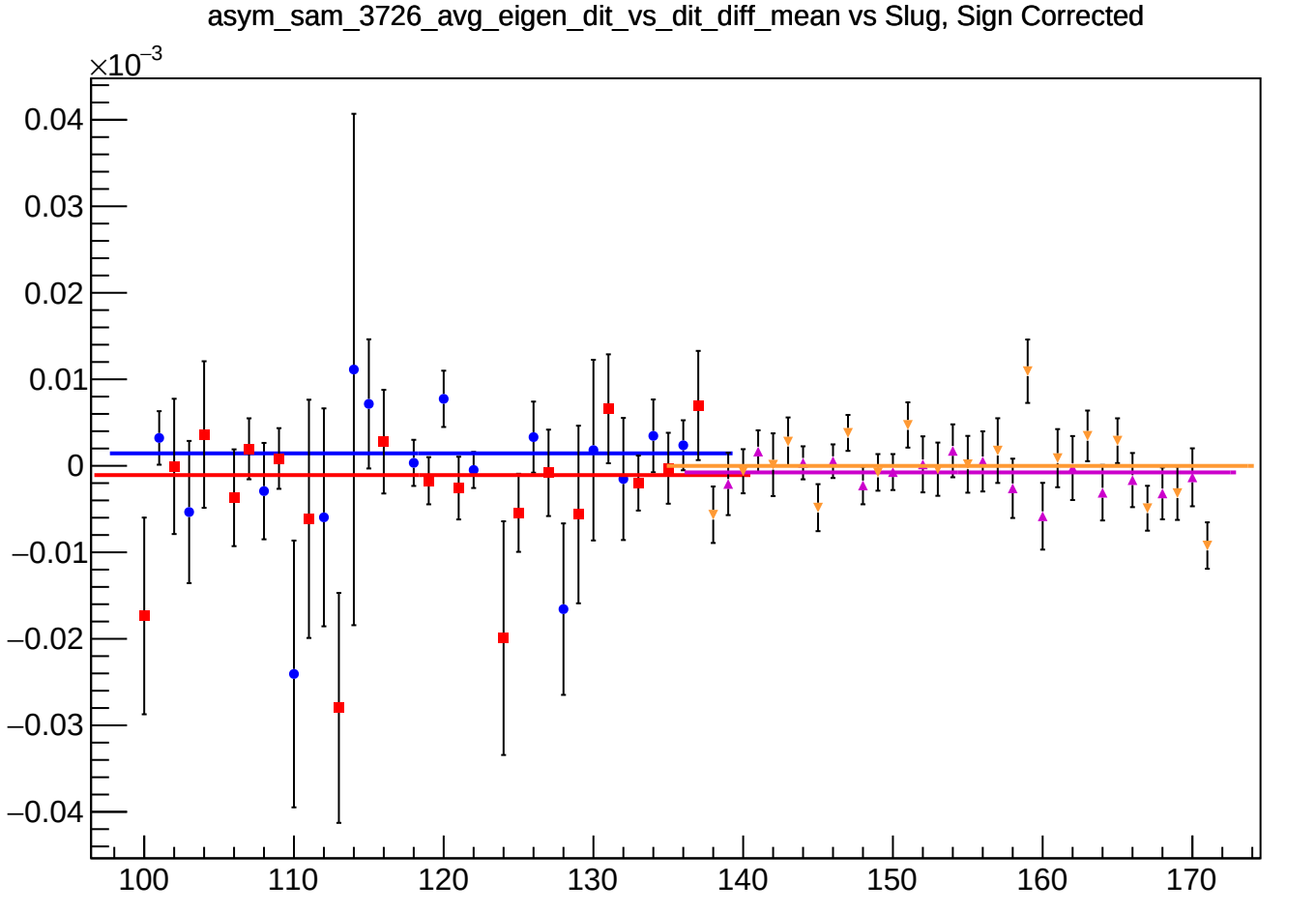
Left: 39.909+/-0.006 χ^2/NDF: 3737802.8/33

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.989+/-0.007 χ^2/NDF:3166453.5/31

Out: 41.639+/-0.007 χ^2/NDF:3779760.3/36

All: 41.318+/-0.005 χ^2/NDF: 6950717.5/68



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:6.6/15

Left: -0.000+/-0.000 χ^2/NDF: 49.4/33

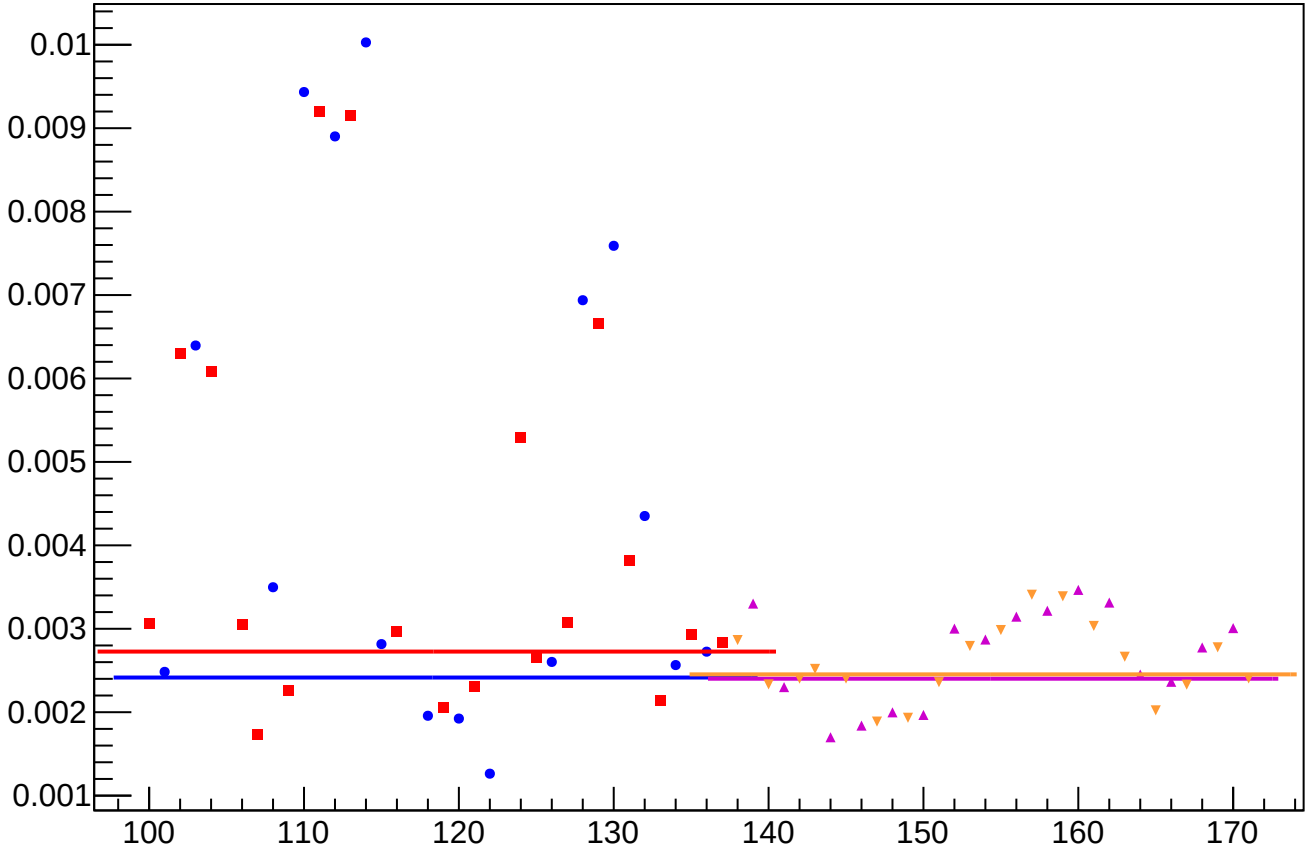
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: -0.000+/-0.000 χ^2/NDF:23.9/31

Out: -0.000+/-0.000 χ^2/NDF:57.7/36

All: -0.000+/-0.000 χ^2/NDF: 81.7/68

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3432108.8/15

Left Out: 0.002+/-0.000 χ^2/NDF:800613.9/17

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1412906.6/15

Left: 0.002+/-0.000 χ^2/NDF: 2219521.8/33

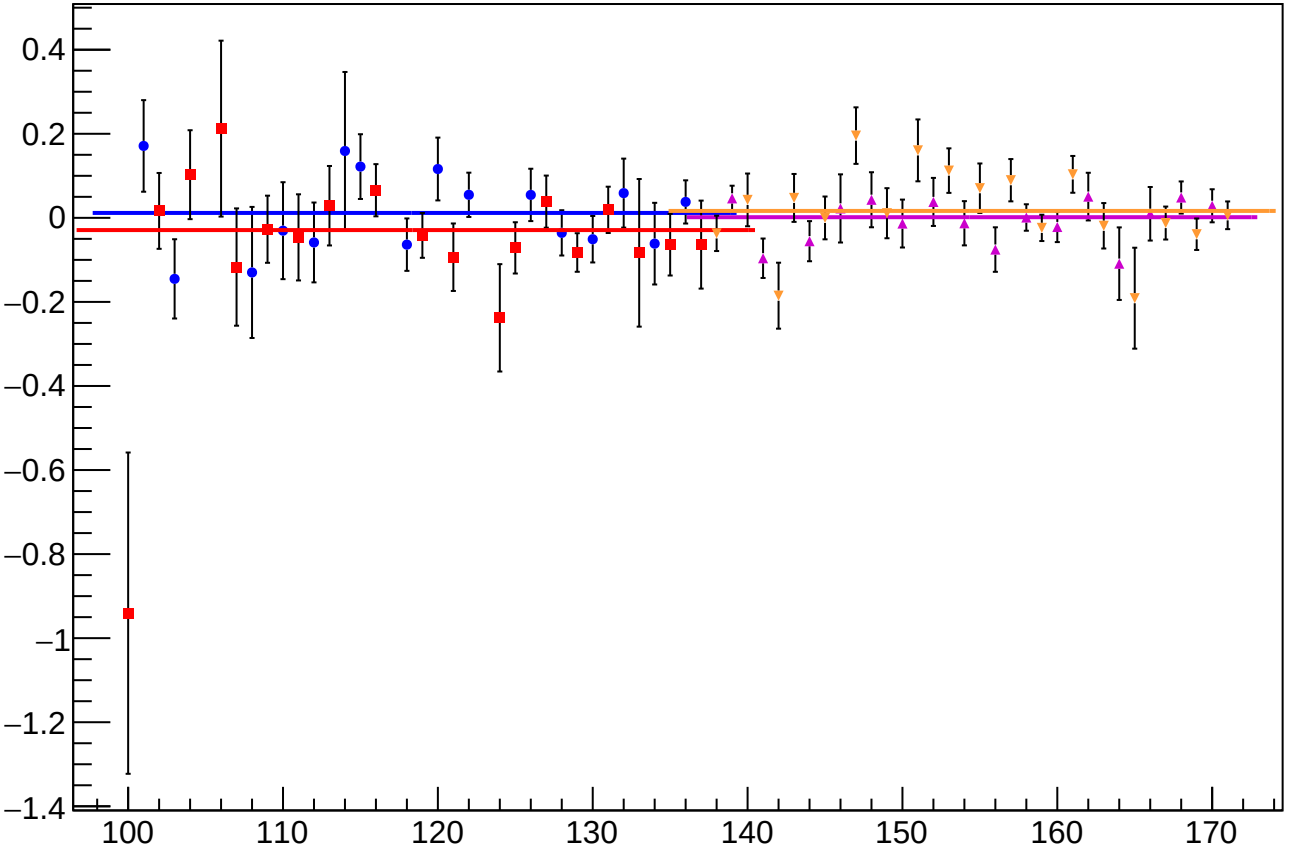
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4845275.1/31

Out: 0.003+/-0.000 χ^2/NDF:3393552.4/36

All: 0.002+/-0.000 χ^2/NDF: 8281839.2/68

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: 0.002+/-0.012 χ^2/NDF:15.9/15

Left: 0.009+/-0.008 χ^2/NDF: 54.6/33

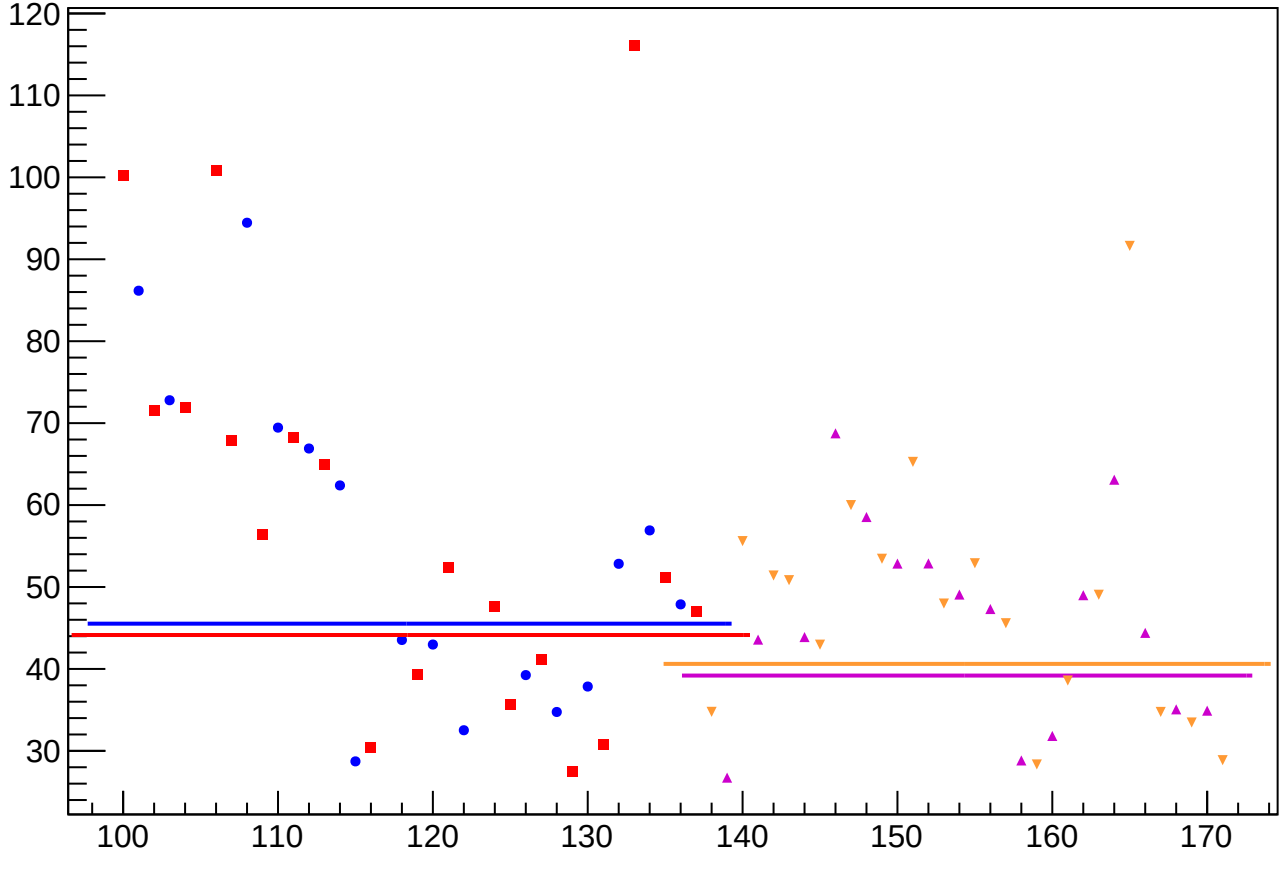
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.004+/-0.007 χ^2/NDF: 95.0/68

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.616+/-0.008 χ^2/NDF:1981199.4/17

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.191+/-0.008 χ^2/NDF:1741264.8/15

Left: 39.909+/-0.006 χ^2/NDF: 3737860.6/33

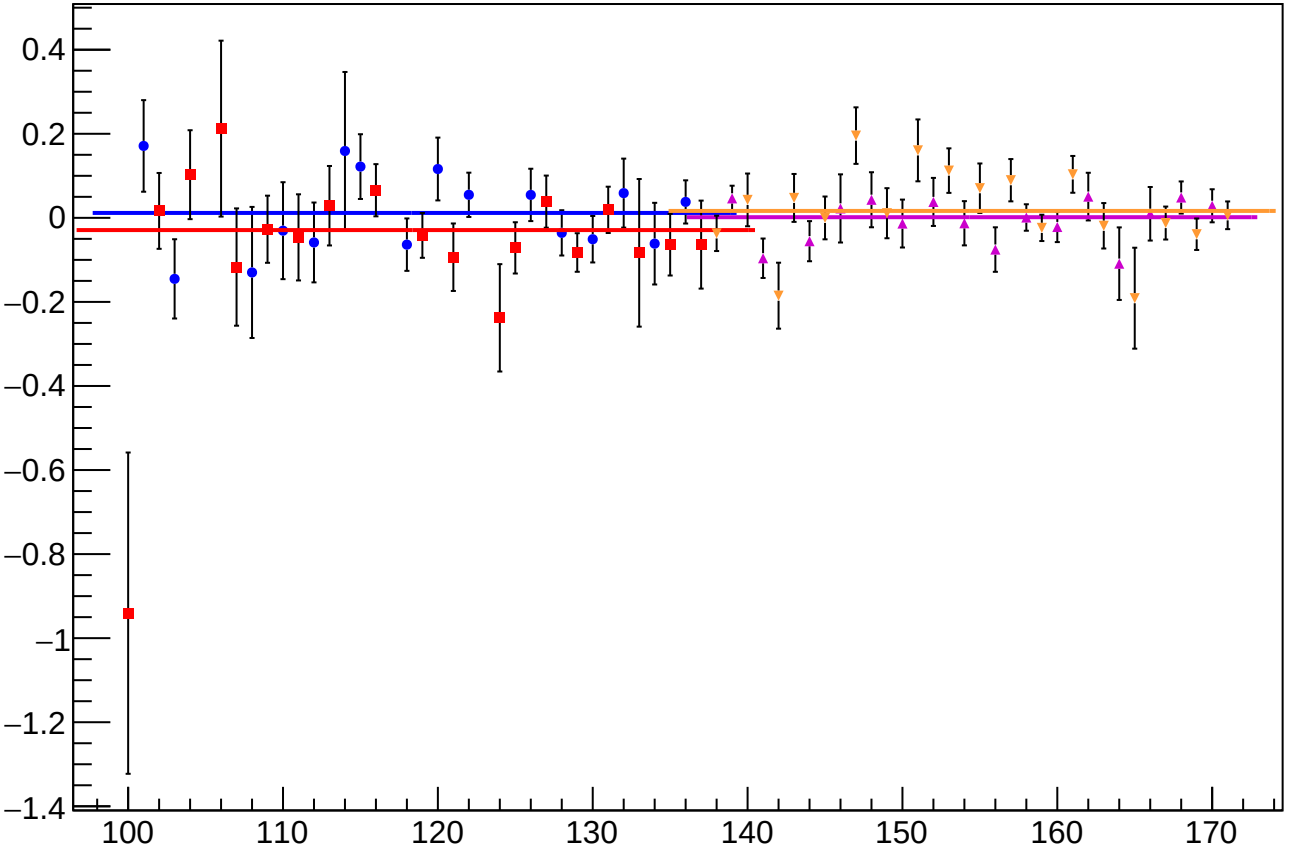
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.989+/-0.007 χ^2/NDF:3166426.6/31

Out: 41.640+/-0.007 χ^2/NDF:3779702.3/36

All: 41.318+/-0.005 χ^2/NDF: 6950633.1/68

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: 0.002+/-0.012 χ^2/NDF:15.9/15

Left: 0.009+/-0.008 χ^2/NDF: 54.6/33

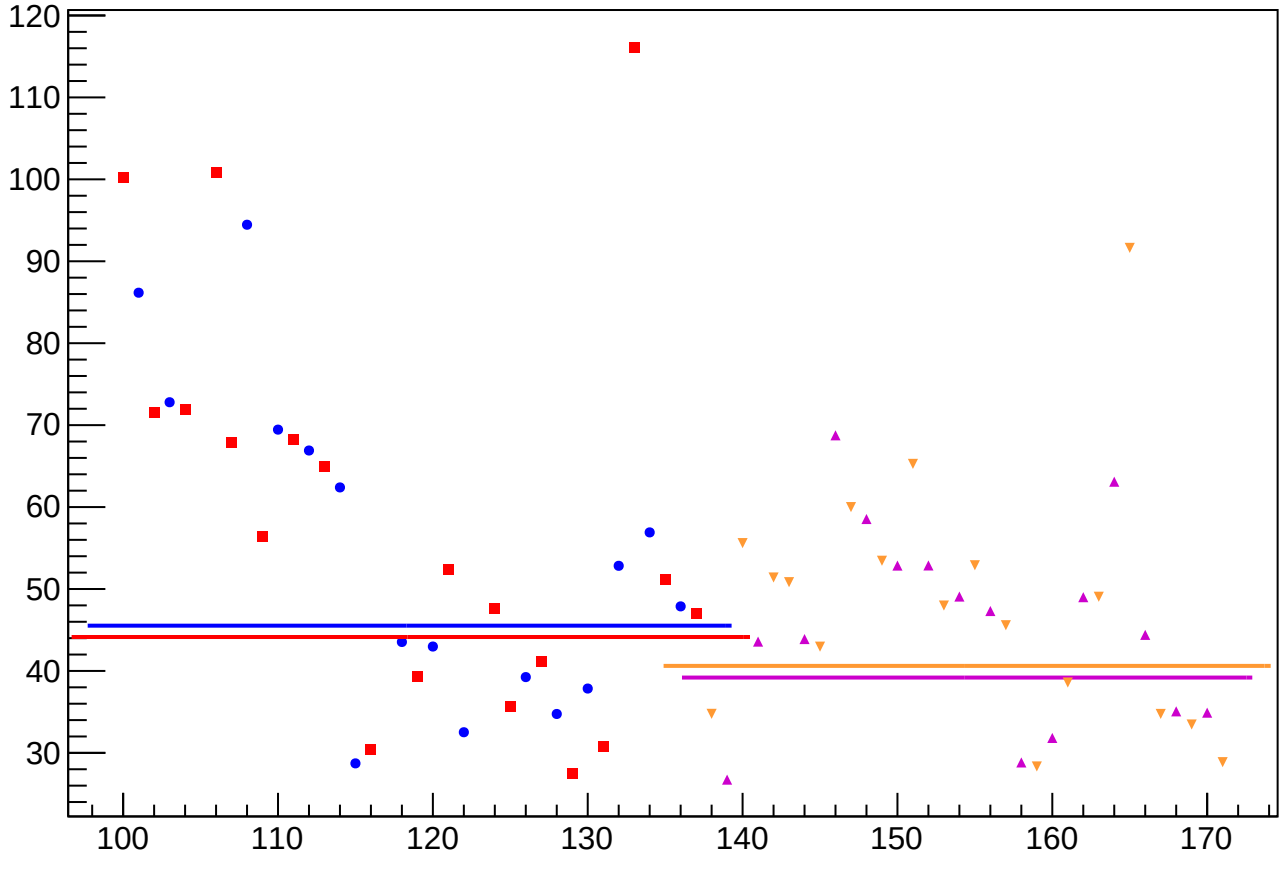
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.010 χ^2/NDF:33.0/31

Out: 0.003+/-0.010 χ^2/NDF:62.0/36

All: 0.004+/-0.007 χ^2/NDF: 95.0/68

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: 39.191+/-0.008 χ^2/NDF:1741264.8/15

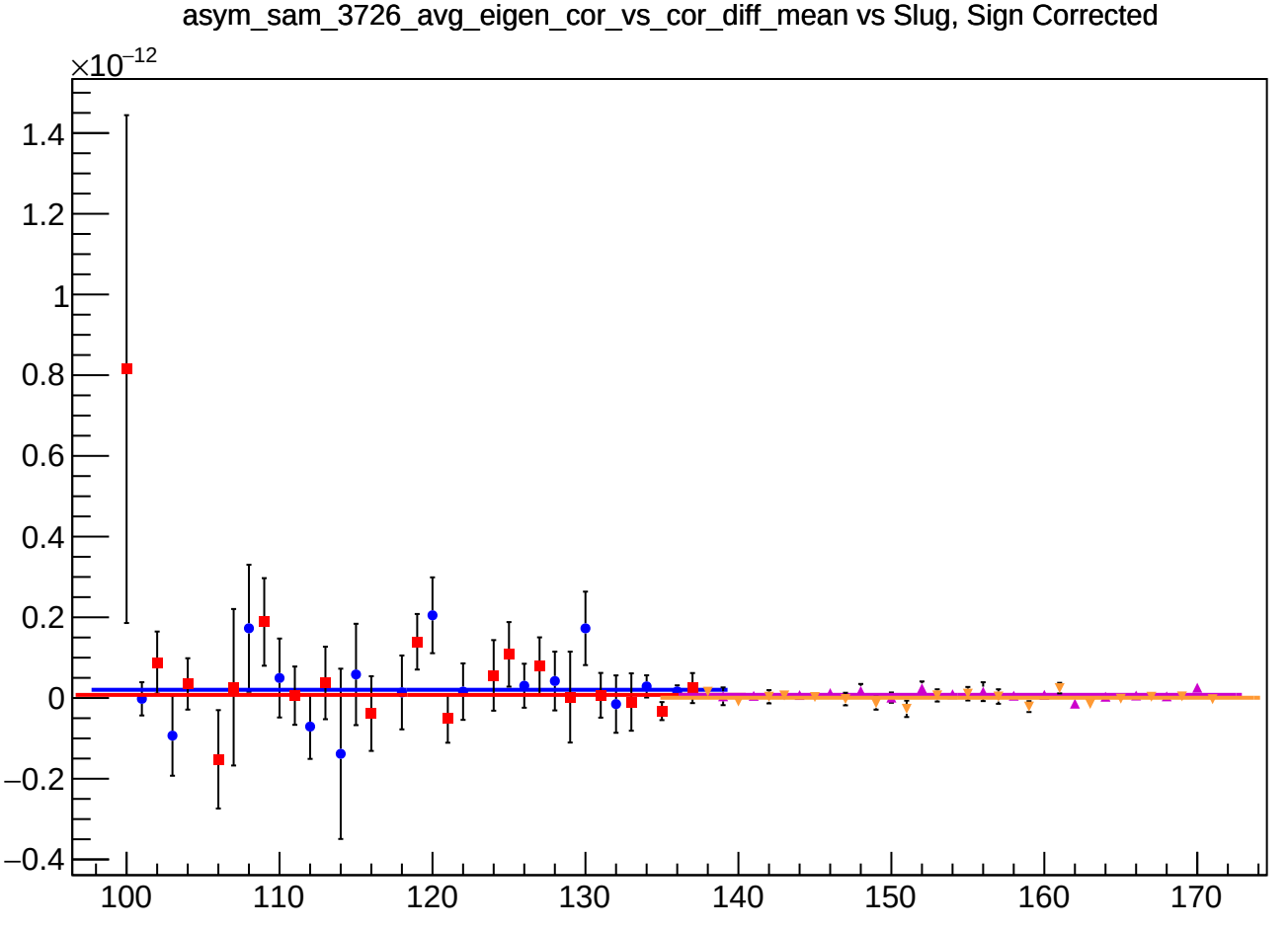
Left: 39.909+/-0.006 χ^2/NDF: 3737860.6/33

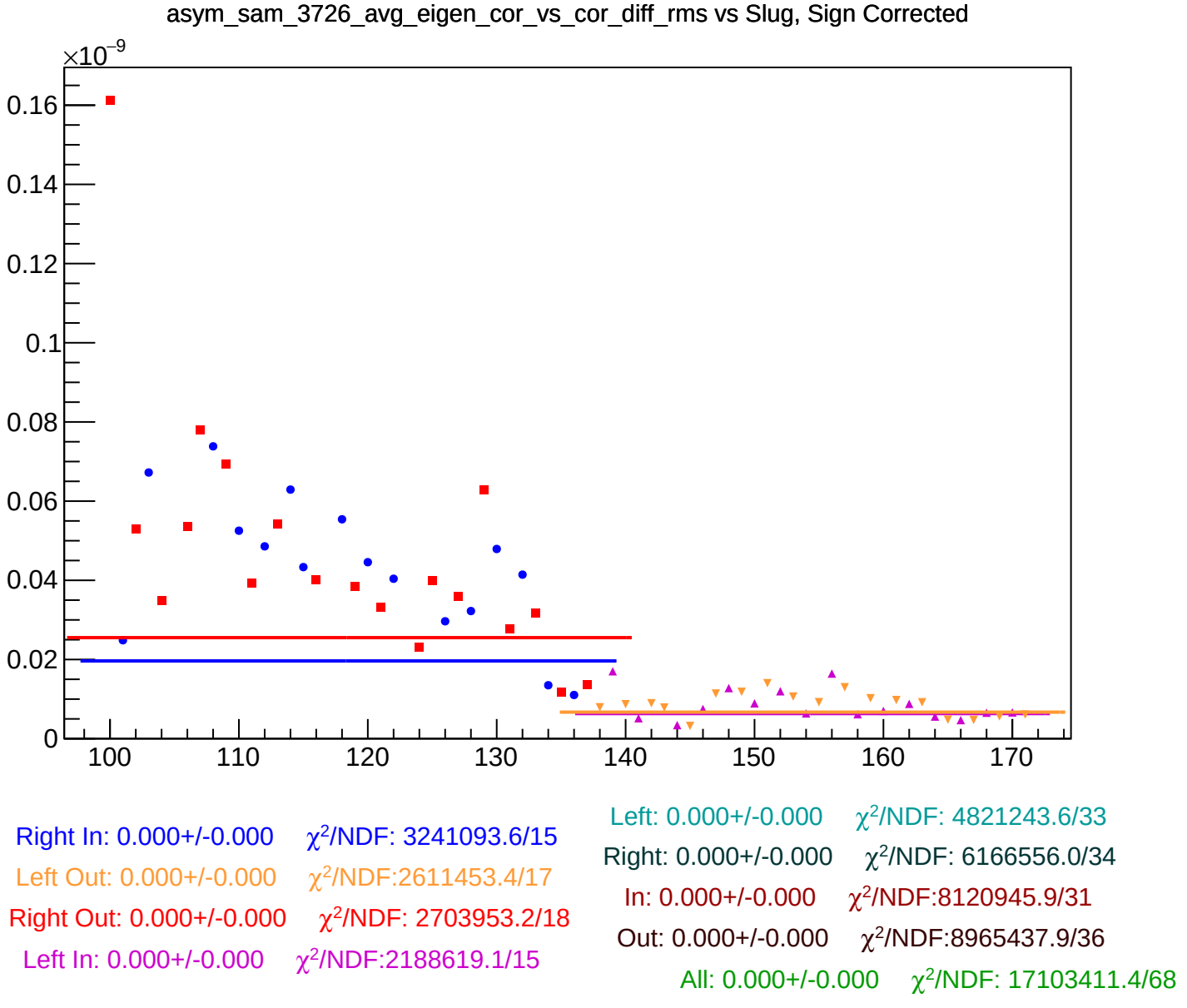
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

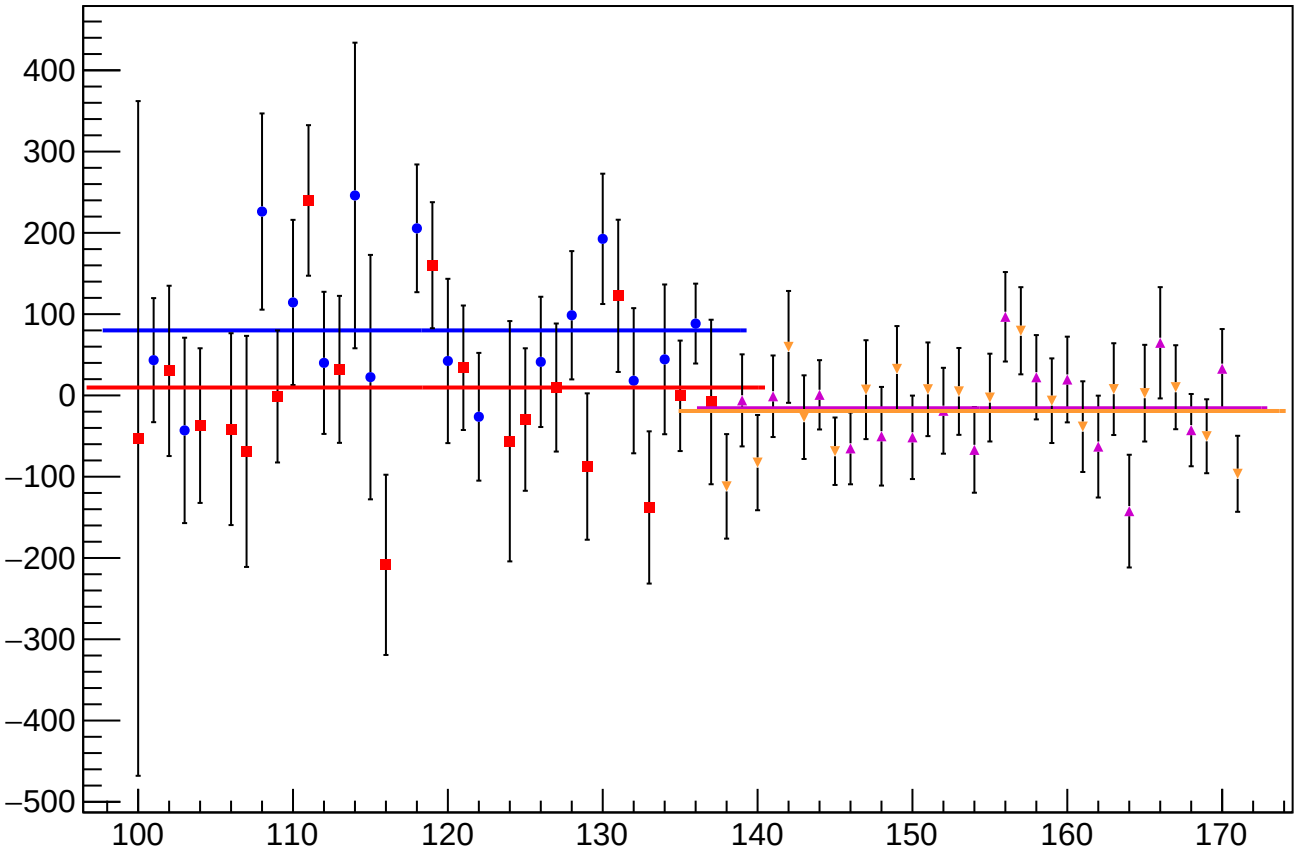
In: 40.989+/-0.007 χ^2/NDF:3166426.6/31

Out: 41.640+/-0.007 χ^2/NDF:3779702.3/36

All: 41.318+/-0.005 χ^2/NDF: 6950633.1/68


asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 11.8/15
Left Out: 0.000+/-0.000 χ²/NDF:13.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 18.8/18
Left In: 0.000+/-0.000 χ²/NDF:9.4/15
Left: 0.000+/-0.000 χ²/NDF: 27.1/33
Right: 0.000+/-0.000 χ²/NDF: 31.1/34
In: 0.000+/-0.000 χ²/NDF:22.4/31
Out: 0.000+/-0.000 χ²/NDF:32.7/36
All: 0.000+/-0.000 χ²/NDF: 59.8/68


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3241093.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2611453.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 2703953.2/18
Left In: 0.000+/-0.000 χ²/NDF:2188619.1/15
Left: 0.000+/-0.000 χ²/NDF: 4821243.6/33
Right: 0.000+/-0.000 χ²/NDF: 6166556.0/34
In: 0.000+/-0.000 χ²/NDF:8120945.9/31
Out: 0.000+/-0.000 χ²/NDF:8965437.9/36
All: 0.000+/-0.000 χ²/NDF: 17103411.4/68



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: -15.785+/-13.127 χ^2/NDF:15.1/15

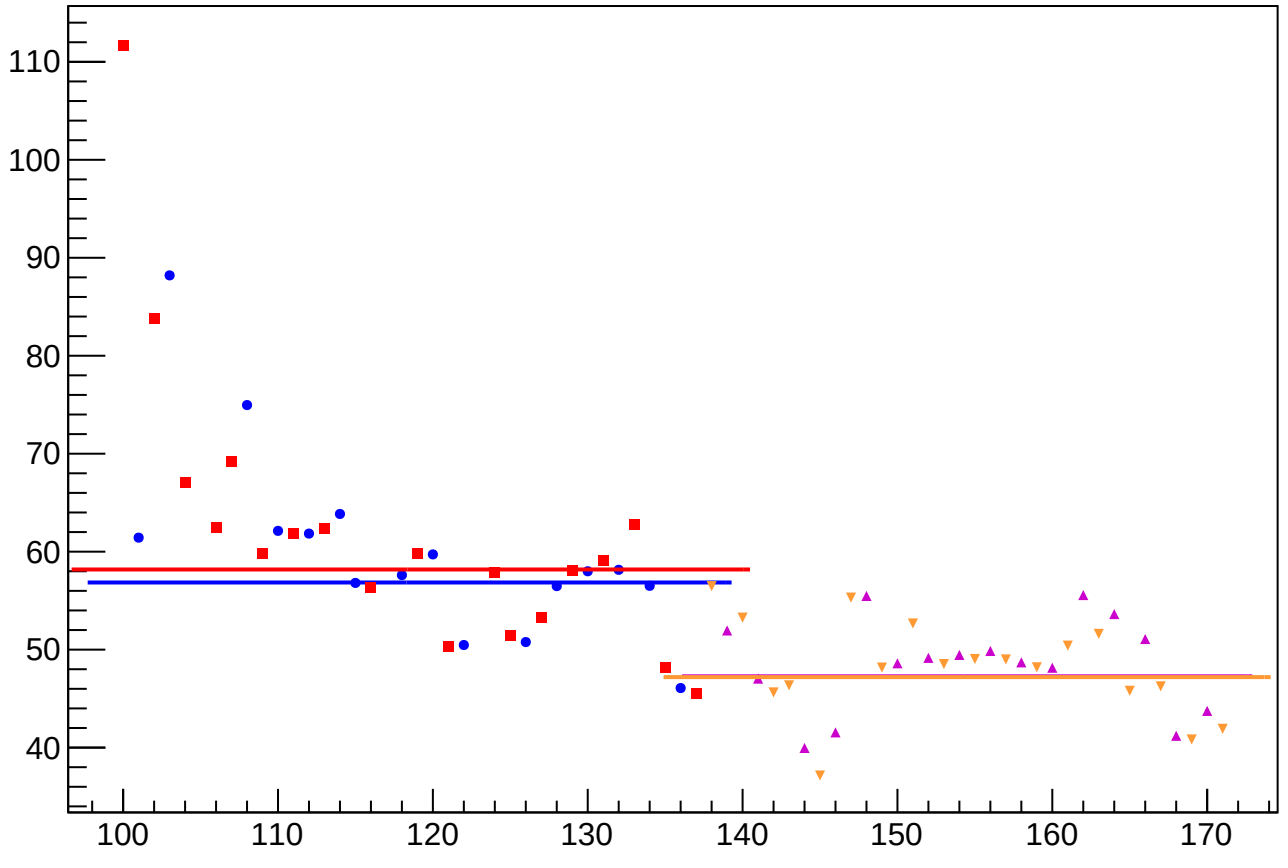
Left: -17.533+/-9.099 χ^2/NDF: 30.2/33

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 10.269+/-11.200 χ^2/NDF:41.1/31

Out: -11.806+/-10.900 χ^2/NDF:36.8/36

All: -1.068+/-7.812 χ^2/NDF: 79.9/68



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: 47.277+/-0.009 χ^2/NDF:262178.2/15

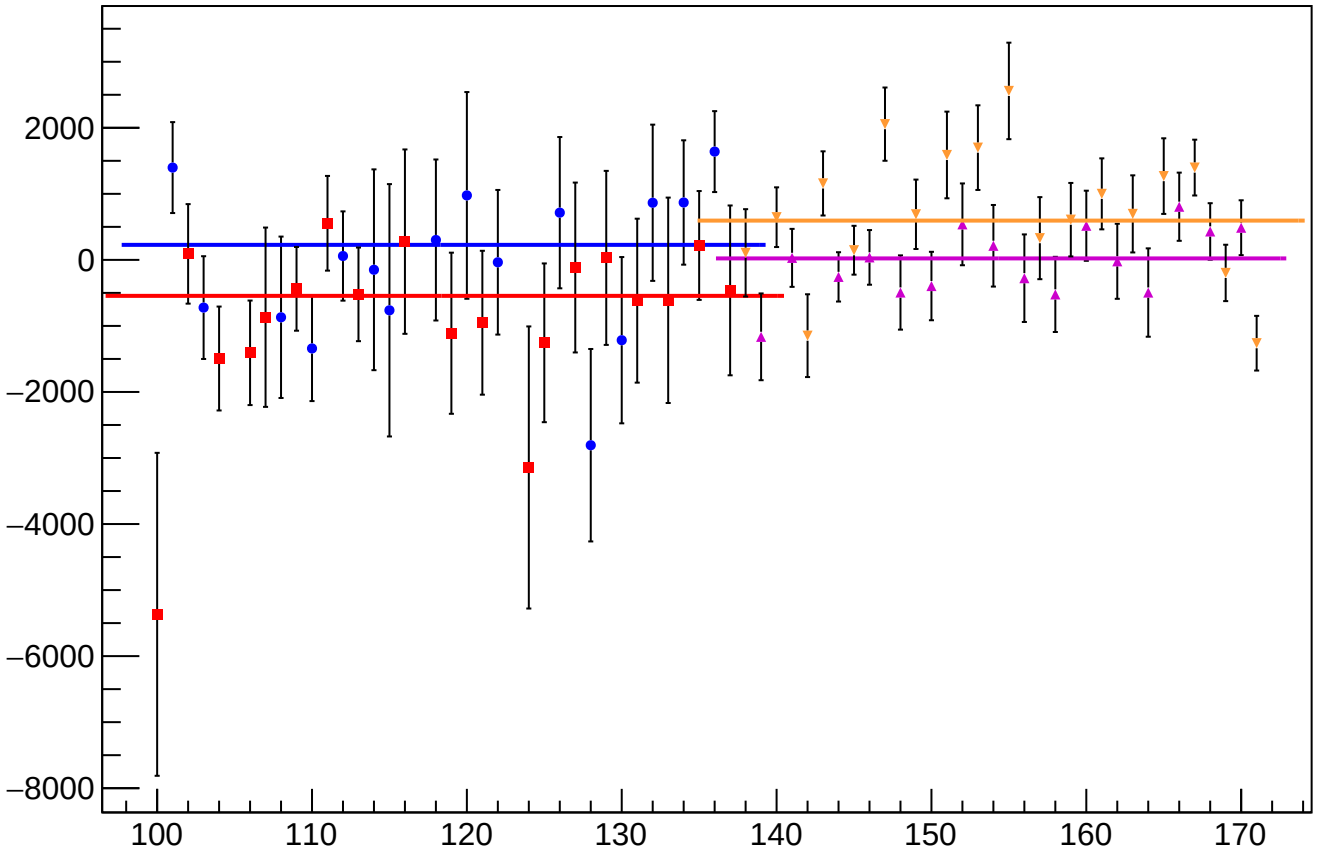
Left: 47.235+/-0.006 χ^2/NDF: 590294.5/33

Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.882+/-0.008 χ^2/NDF:893360.4/31

Out: 49.989+/-0.008 χ^2/NDF:1027951.5/36

All: 49.937+/-0.006 χ^2/NDF: 1921404.2/68



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: 22.178+/-127.125 χ^2/NDF:13.2/15

Left: 319.872+/-88.097 χ^2/NDF: 83.6/33

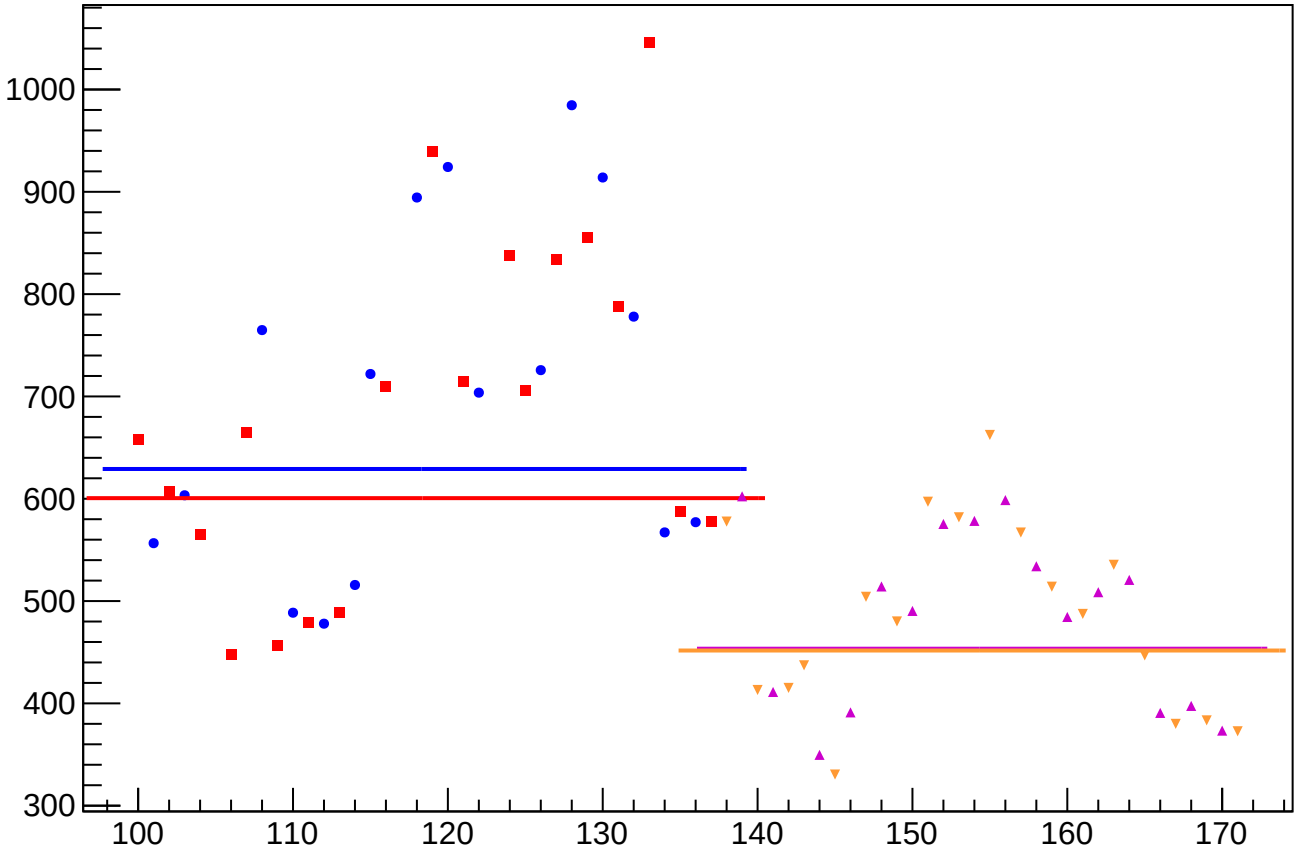
Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: 66.809+/-112.464 χ^2/NDF:35.4/31

Out: 339.296+/-107.624 χ^2/NDF:92.8/36

All: 209.041+/-77.756 χ^2/NDF: 131.2/68

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007292.8/17

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 453.436+/-0.090 χ^2/NDF:833778.4/15

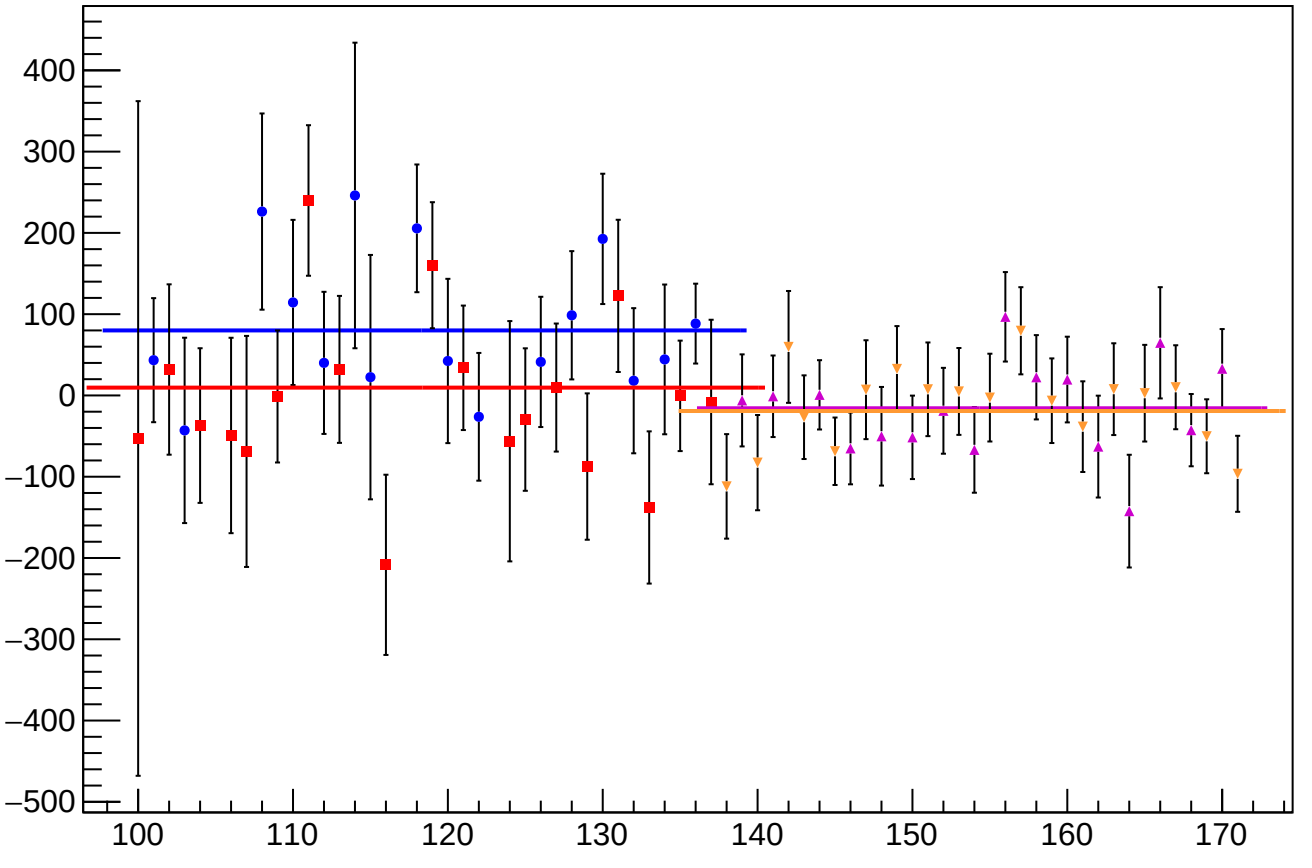
Left: 452.515+/-0.062 χ^2/NDF: 1841273.3/33

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 491.618+/-0.080 χ^2/NDF:2356527.0/31

Out: 485.070+/-0.076 χ^2/NDF:2548252.5/36

All: 488.200+/-0.055 χ^2/NDF: 4908318.3/68



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: -15.786+/-13.127 χ^2/NDF:15.1/15

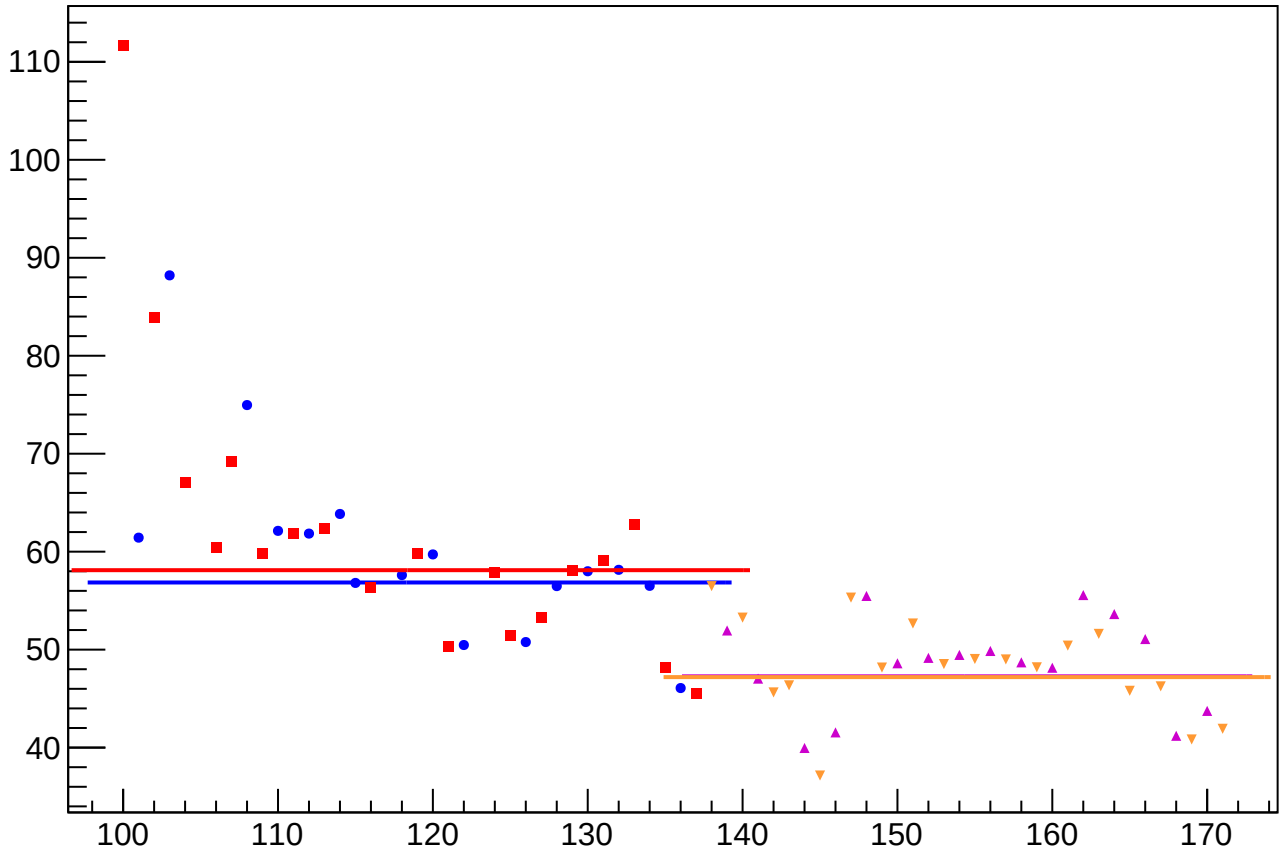
Left: -17.534+/-9.099 χ^2/NDF: 30.2/33

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 10.270+/-11.200 χ^2/NDF:41.1/31

Out: -11.842+/-10.902 χ^2/NDF:36.8/36

All: -1.084+/-7.812 χ^2/NDF: 80.0/68



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: 47.277+/-0.009 χ^2/NDF:262178.2/15

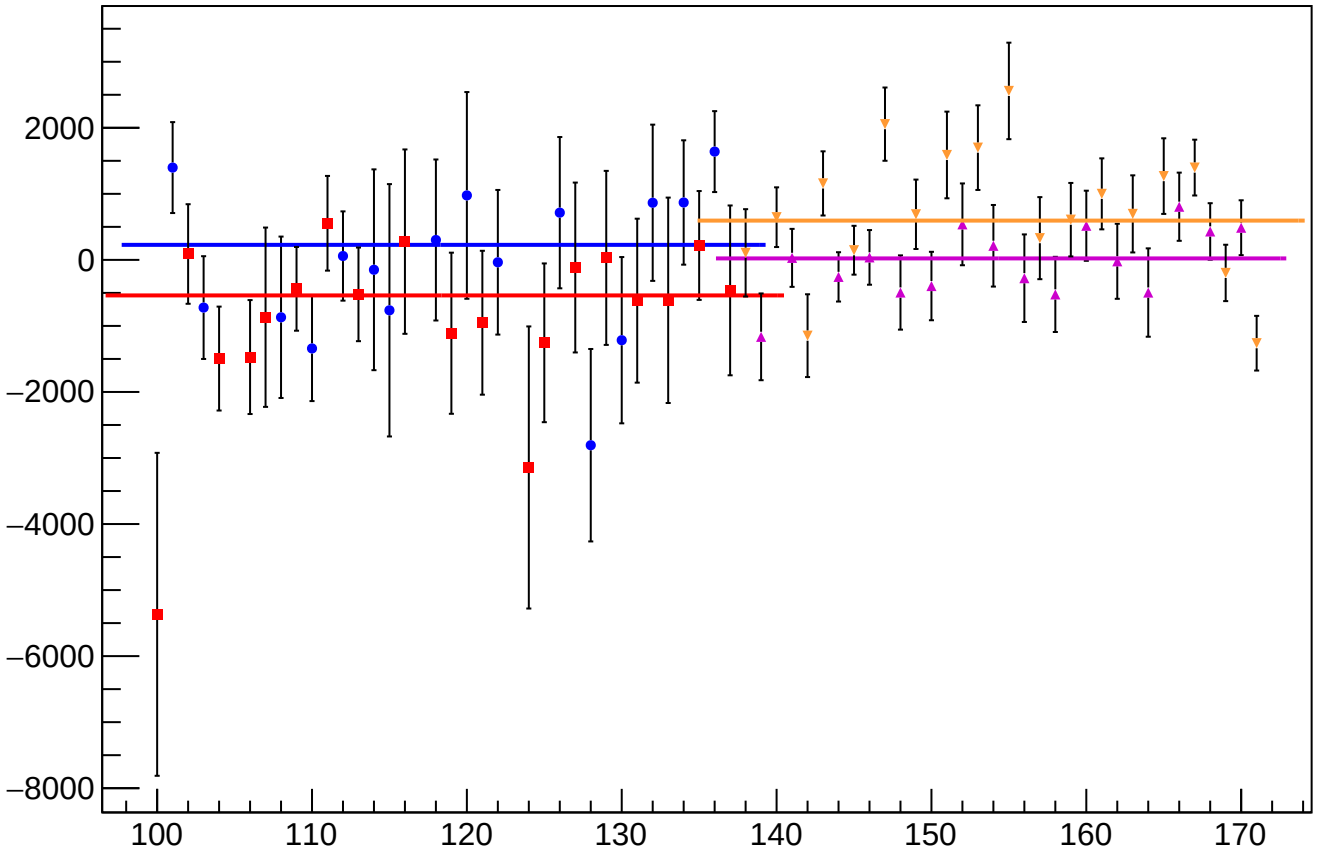
Left: 47.235+/-0.006 χ^2/NDF: 590294.5/33

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.882+/-0.008 χ^2/NDF:893364.4/31

Out: 49.968+/-0.008 χ^2/NDF:1020929.4/36

All: 49.926+/-0.006 χ^2/NDF: 1914353.7/68



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: 22.174+/-127.125 χ^2/NDF:13.2/15

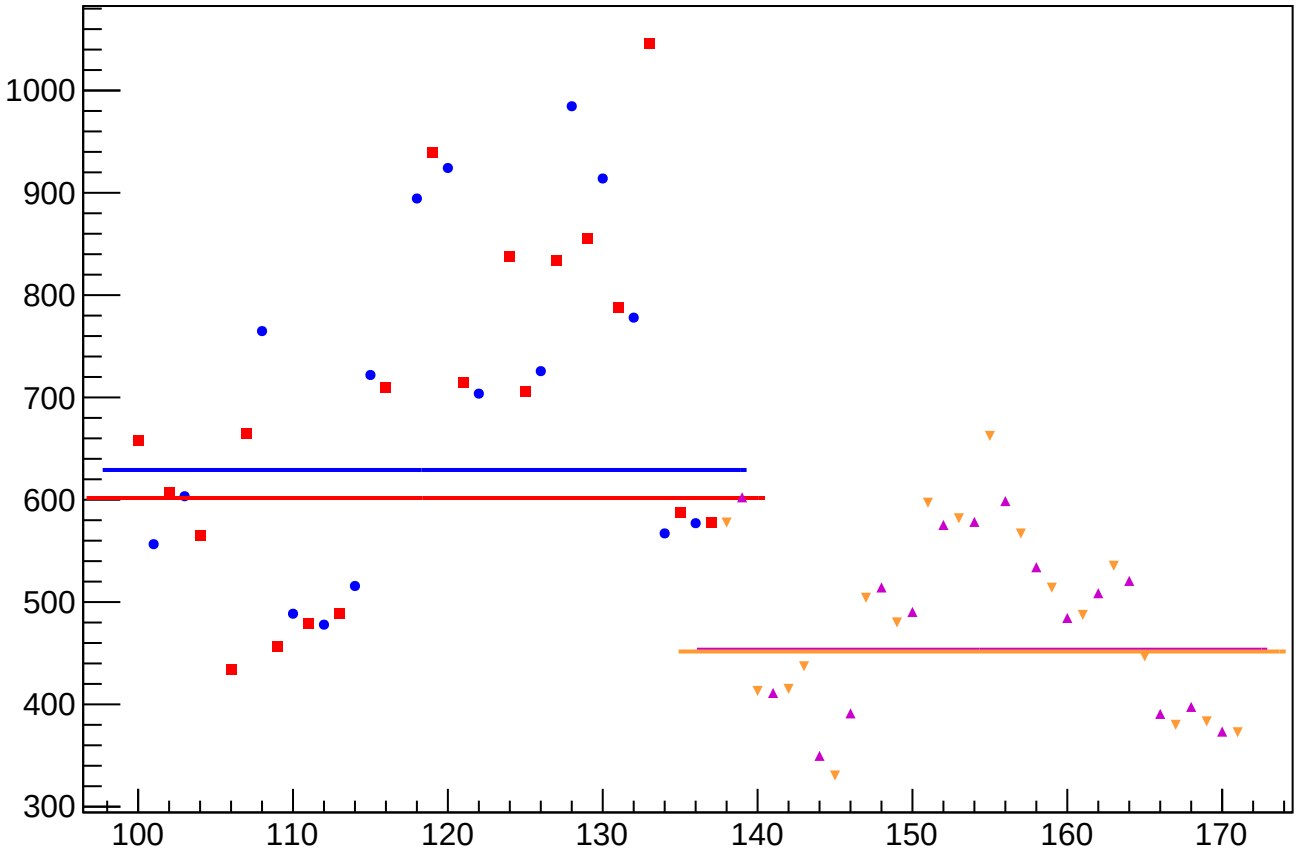
Left: 319.869+/-88.097 χ^2/NDF: 83.6/33

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 66.813+/-112.464 χ^2/NDF:35.4/31

Out: 343.390+/-107.783 χ^2/NDF:92.3/36

All: 210.977+/-77.816 χ^2/NDF: 130.8/68



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: 453.436+/-0.090 χ^2/NDF:833775.7/15

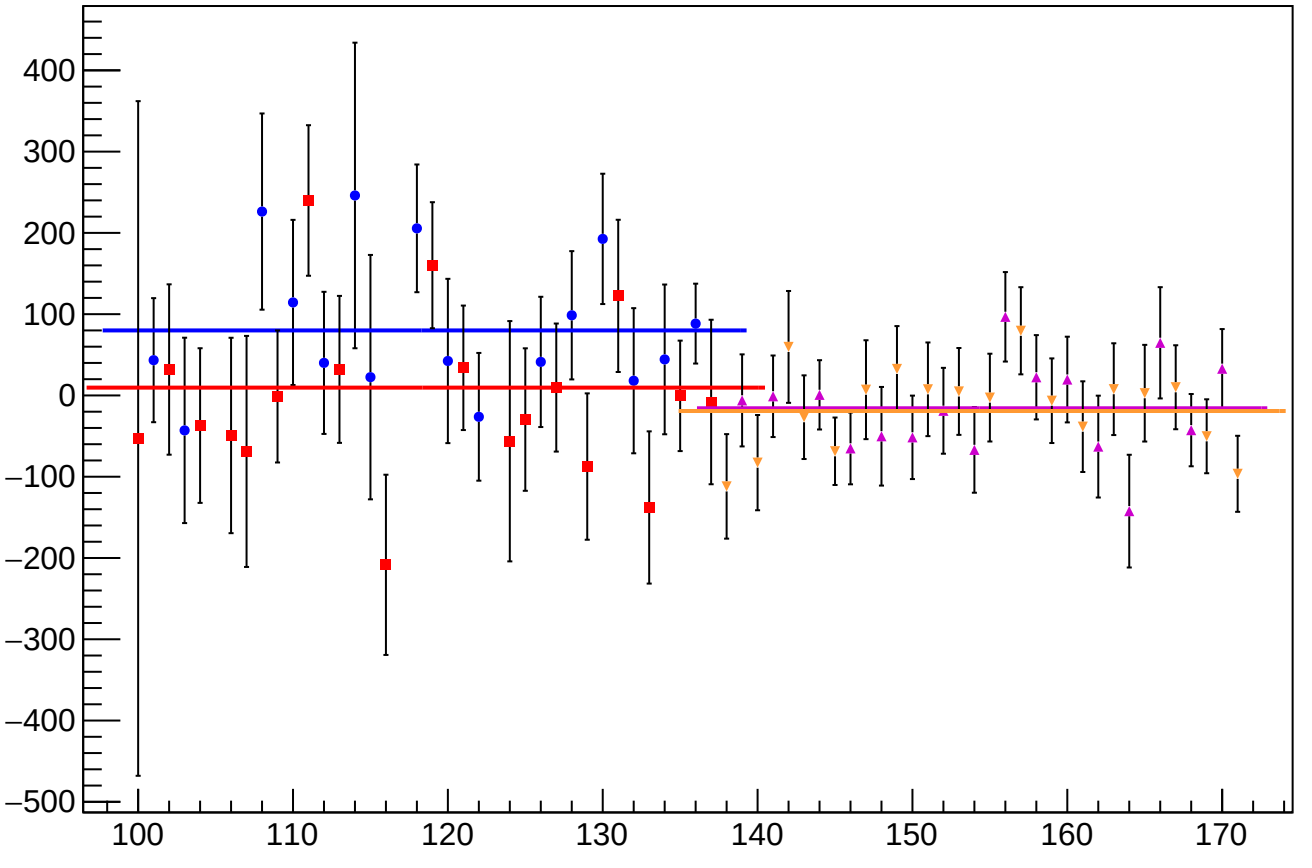
Left: 452.515+/-0.062 χ^2/NDF: 1841272.3/33

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 491.618+/-0.080 χ^2/NDF:2356549.4/31

Out: 484.978+/-0.076 χ^2/NDF:2550878.6/36

All: 488.157+/-0.055 χ^2/NDF: 4911062.8/68



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: -15.786+/-13.127 χ^2/NDF:15.1/15

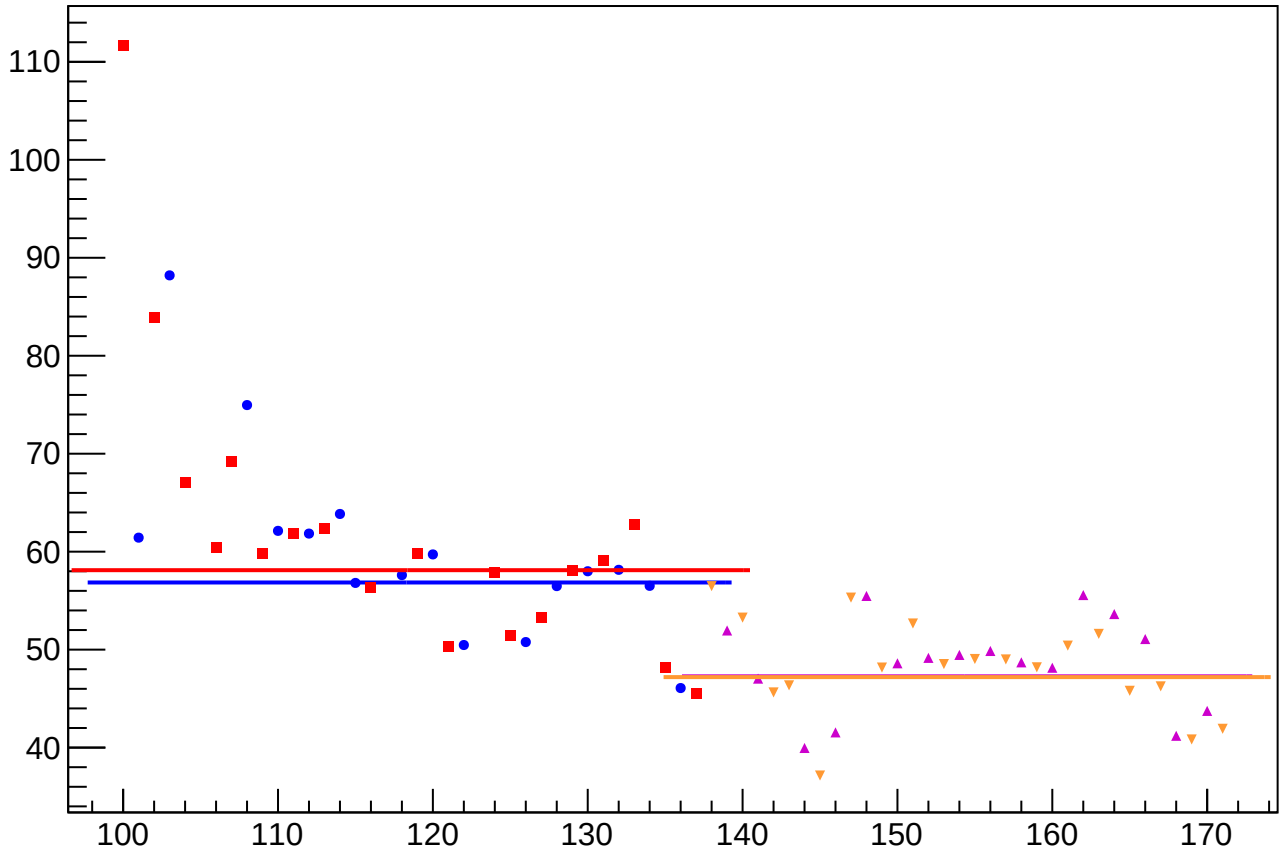
Left: -17.534+/-9.099 χ^2/NDF: 30.2/33

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 10.270+/-11.200 χ^2/NDF:41.1/31

Out: -11.842+/-10.902 χ^2/NDF:36.8/36

All: -1.084+/-7.812 χ^2/NDF: 80.0/68



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: 47.277+/-0.009 χ^2/NDF:262178.2/15

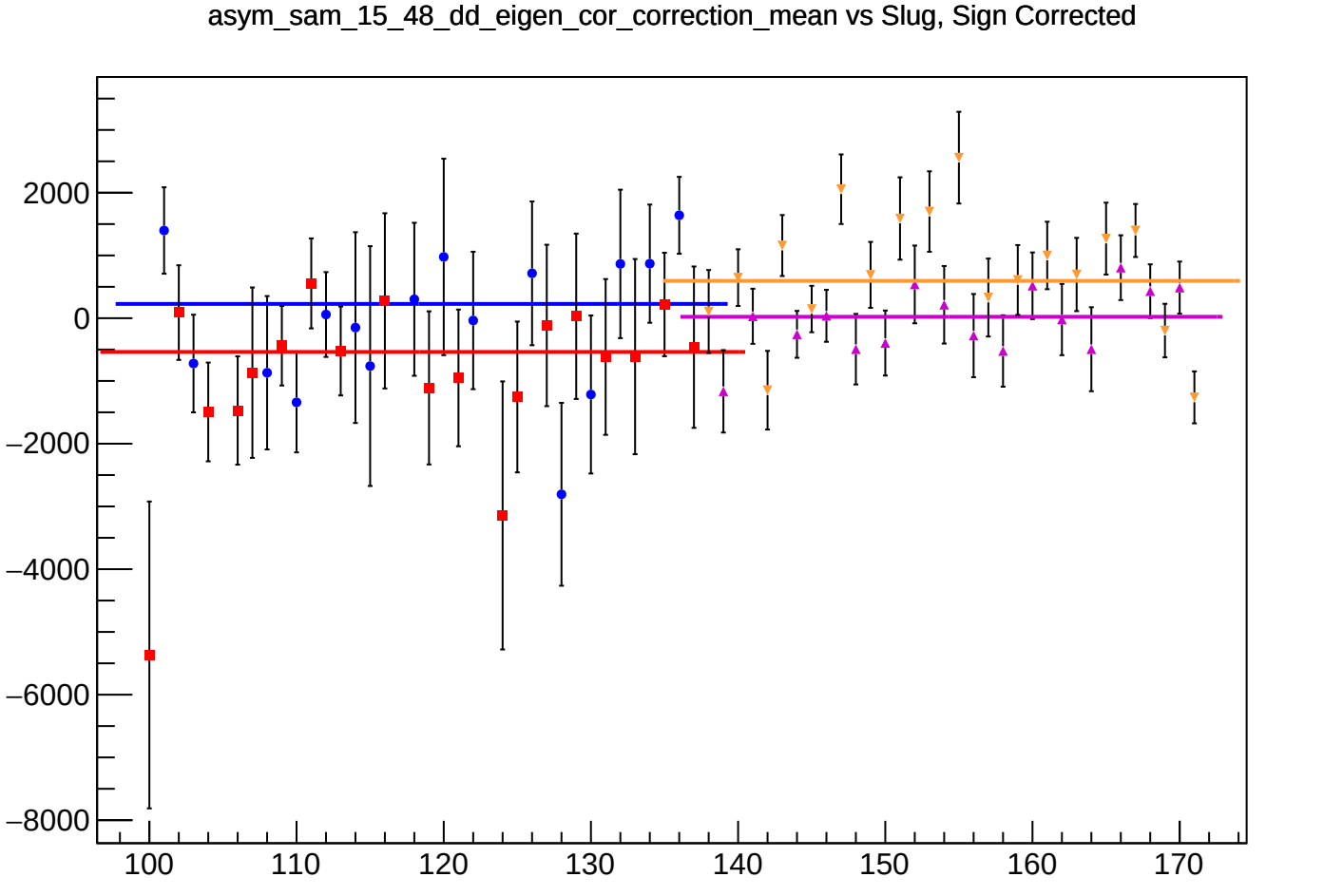
Left: 47.235+/-0.006 χ^2/NDF: 590294.5/33

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.882+/-0.008 χ^2/NDF:893364.4/31

Out: 49.968+/-0.008 χ^2/NDF:1020929.4/36

All: 49.926+/-0.006 χ^2/NDF: 1914353.7/68



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: 22.174+/-127.125 χ^2/NDF:13.2/15

Left: 319.869+/-88.097 χ^2/NDF: 83.6/33

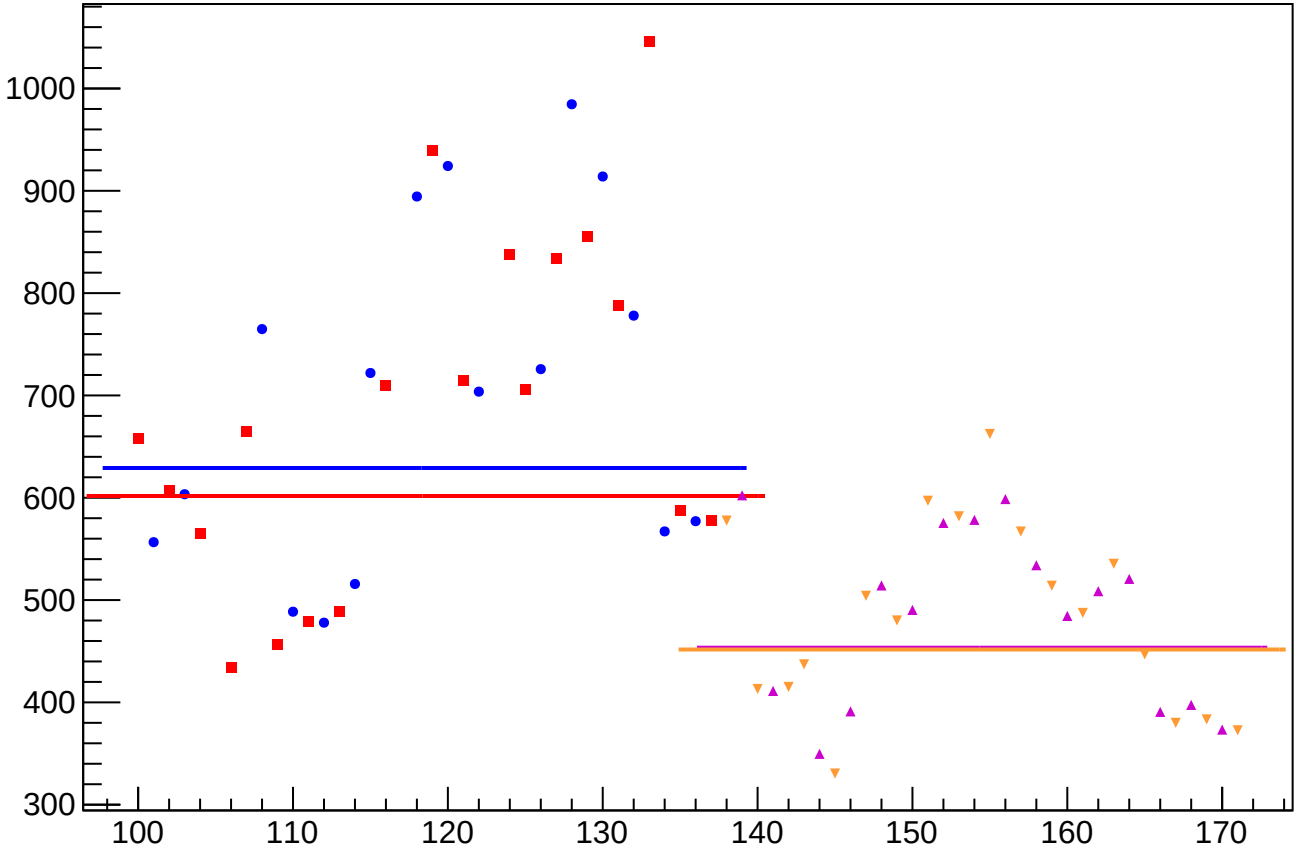
Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: 66.813+/-112.464 χ^2/NDF:35.4/31

Out: 343.390+/-107.783 χ^2/NDF:92.3/36

All: 210.977+/-77.816 χ^2/NDF: 130.8/68

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 451.664+/-0.086 χ^2/NDF:1007294.6/17

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 453.436+/-0.090 χ^2/NDF:833775.7/15

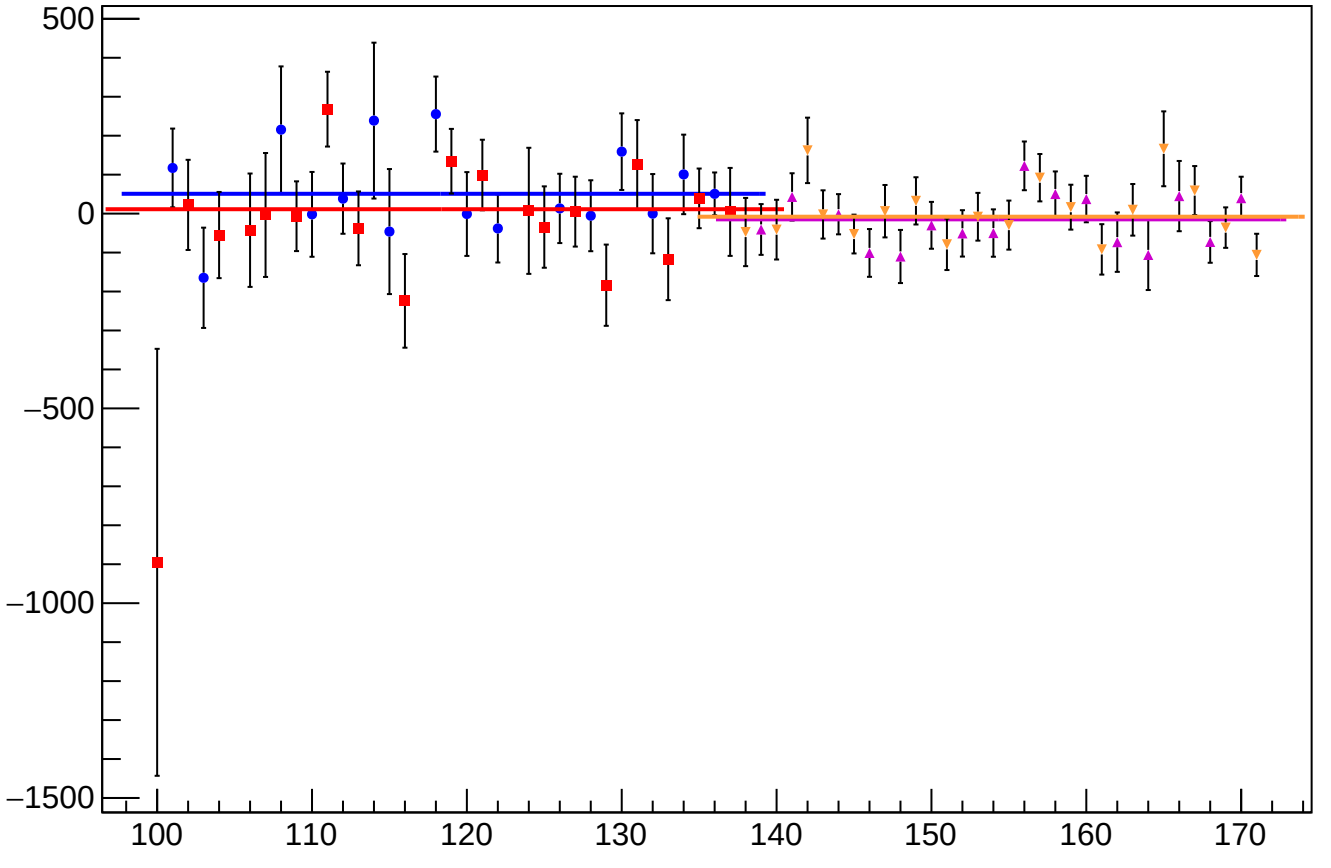
Left: 452.515+/-0.062 χ^2/NDF: 1841272.3/33

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 491.618+/-0.080 χ^2/NDF:2356549.4/31

Out: 484.978+/-0.076 χ^2/NDF:2550878.6/36

All: 488.157+/-0.055 χ^2/NDF: 4911062.8/68



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: -14.742+/-15.570 χ^2/NDF:16.9/15

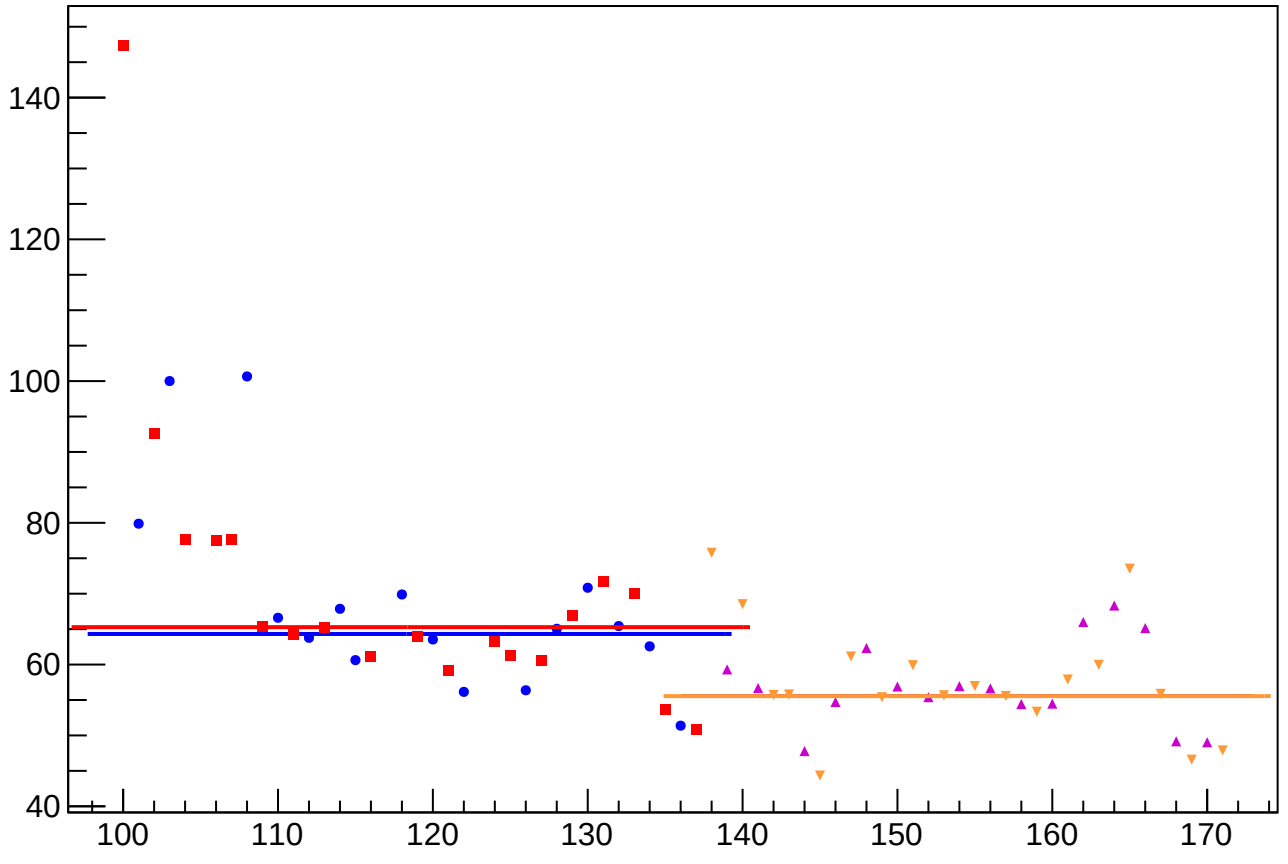
Left: -11.228+/-10.794 χ^2/NDF: 36.7/33

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: 4.139+/-13.140 χ^2/NDF:35.8/31

Out: -2.688+/-12.753 χ^2/NDF:44.2/36

All: 0.624+/-9.151 χ^2/NDF: 80.1/68



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: 55.562+/-0.011 χ^2/NDF:233817.1/15

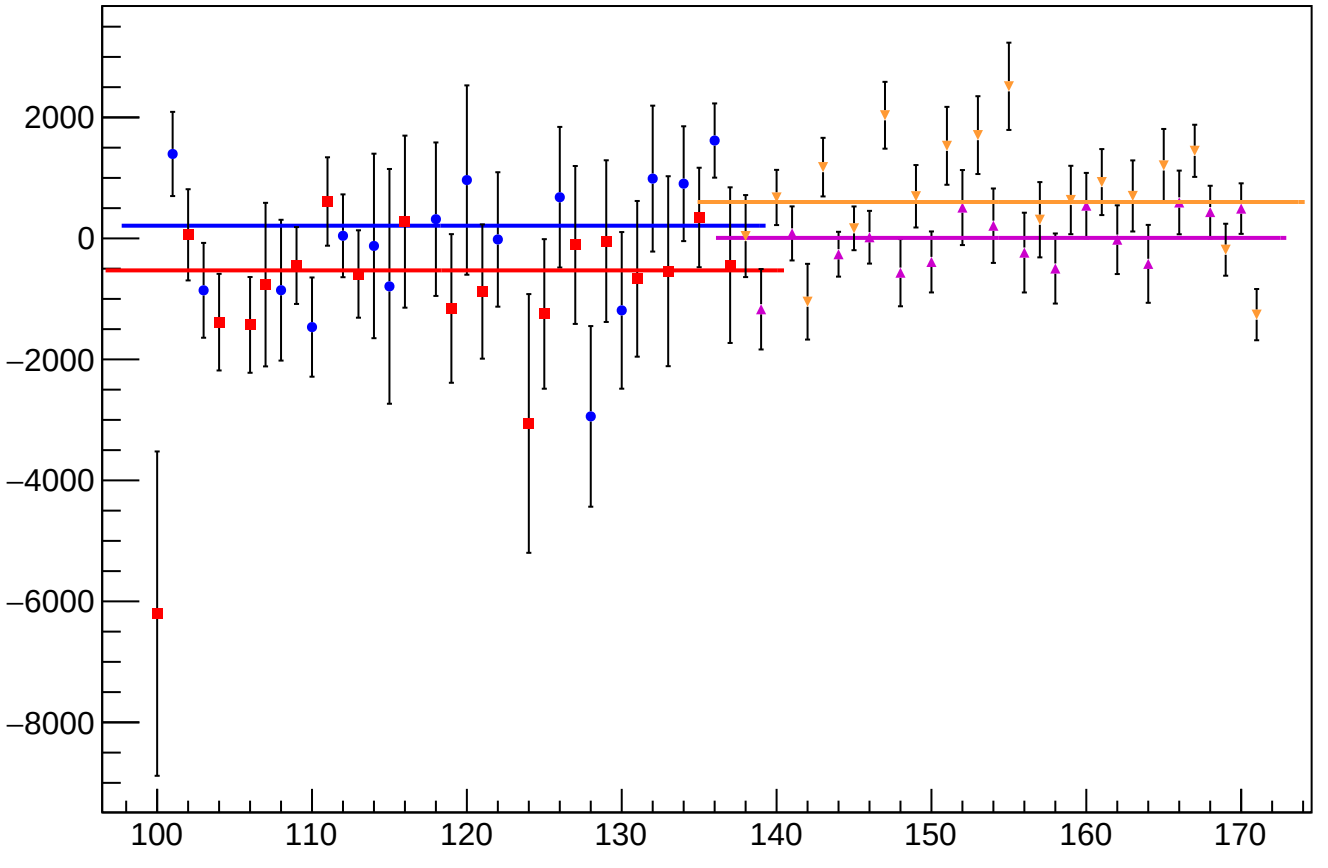
Left: 55.554+/-0.008 χ^2/NDF: 706929.6/33

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 58.082+/-0.009 χ^2/NDF:880771.6/31

Out: 58.222+/-0.009 χ^2/NDF:1024309.9/36

All: 58.154+/-0.006 χ^2/NDF: 1905198.7/68



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: 8.356+/-127.948 χ^2/NDF:12.0/15

Left: 317.316+/-88.591 χ^2/NDF: 80.8/33

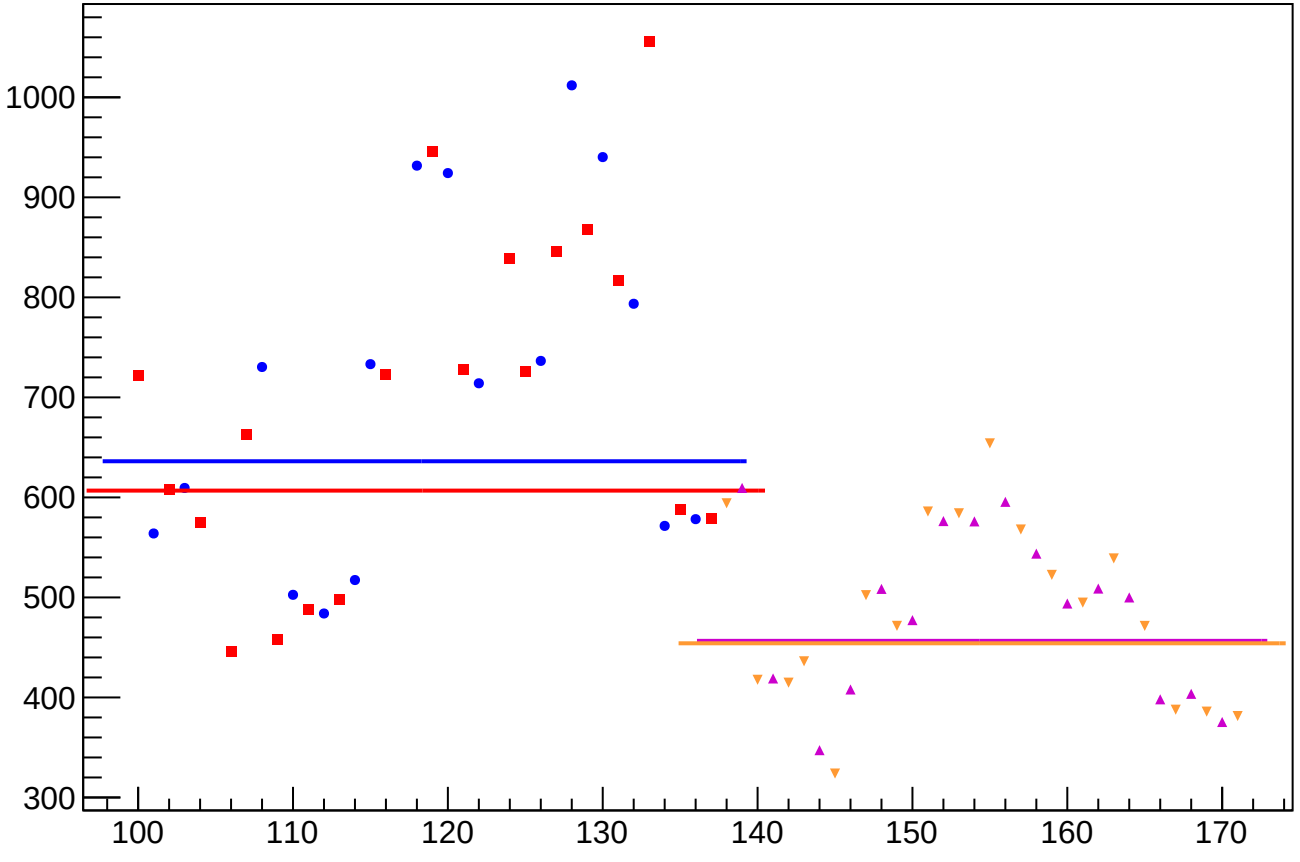
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 51.905+/-113.294 χ^2/NDF:35.0/31

Out: 350.564+/-108.282 χ^2/NDF:90.2/36

All: 207.986+/-78.279 χ^2/NDF: 128.8/68

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: 456.583+/-0.090 χ^2/NDF:789194.2/15

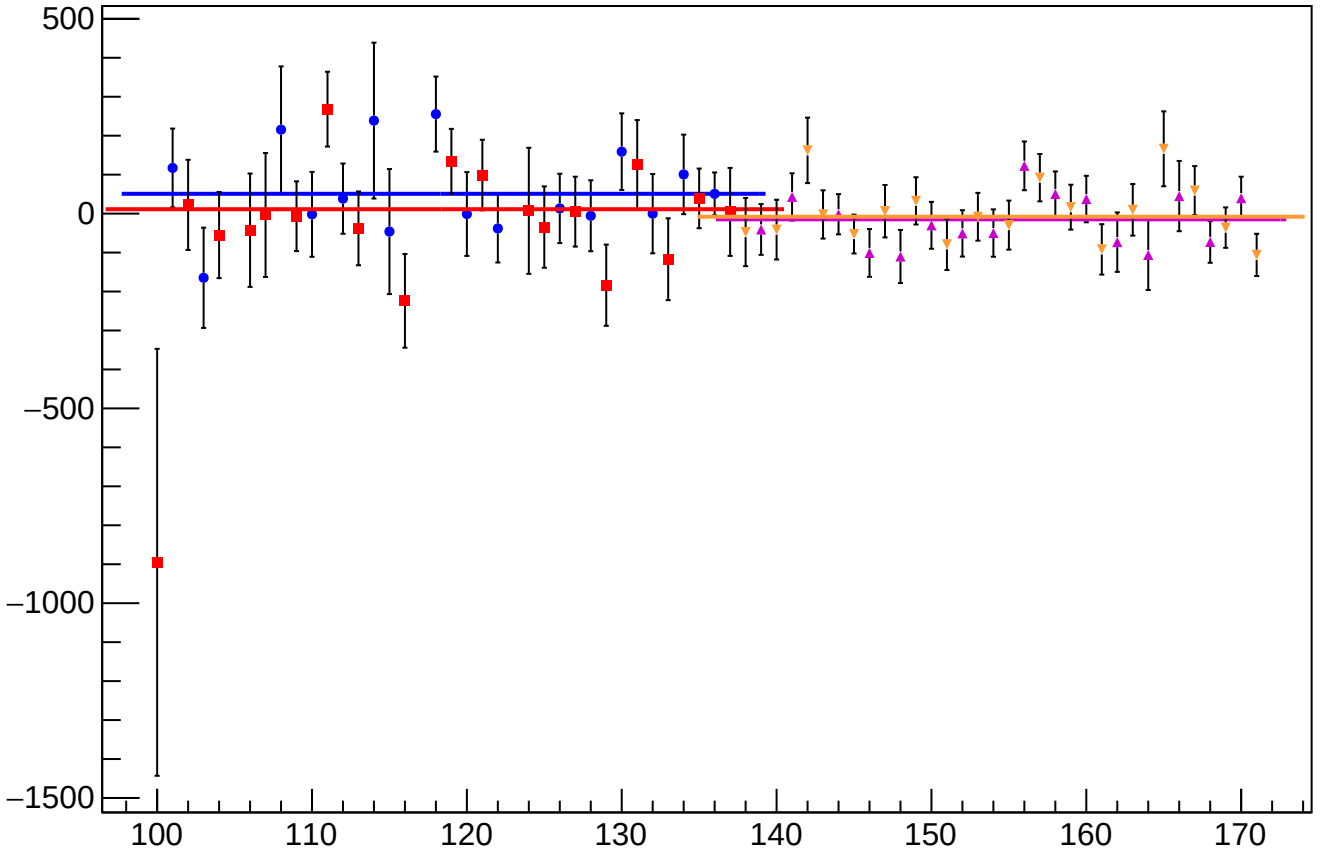
Left: 455.310+/-0.063 χ^2/NDF: 1802051.4/33

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 495.359+/-0.080 χ^2/NDF:2345065.4/31

Out: 488.070+/-0.077 χ^2/NDF:2593579.1/36

All: 491.550+/-0.055 χ^2/NDF: 4942970.3/68



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: -14.742+/-15.570 χ^2/NDF:16.9/15

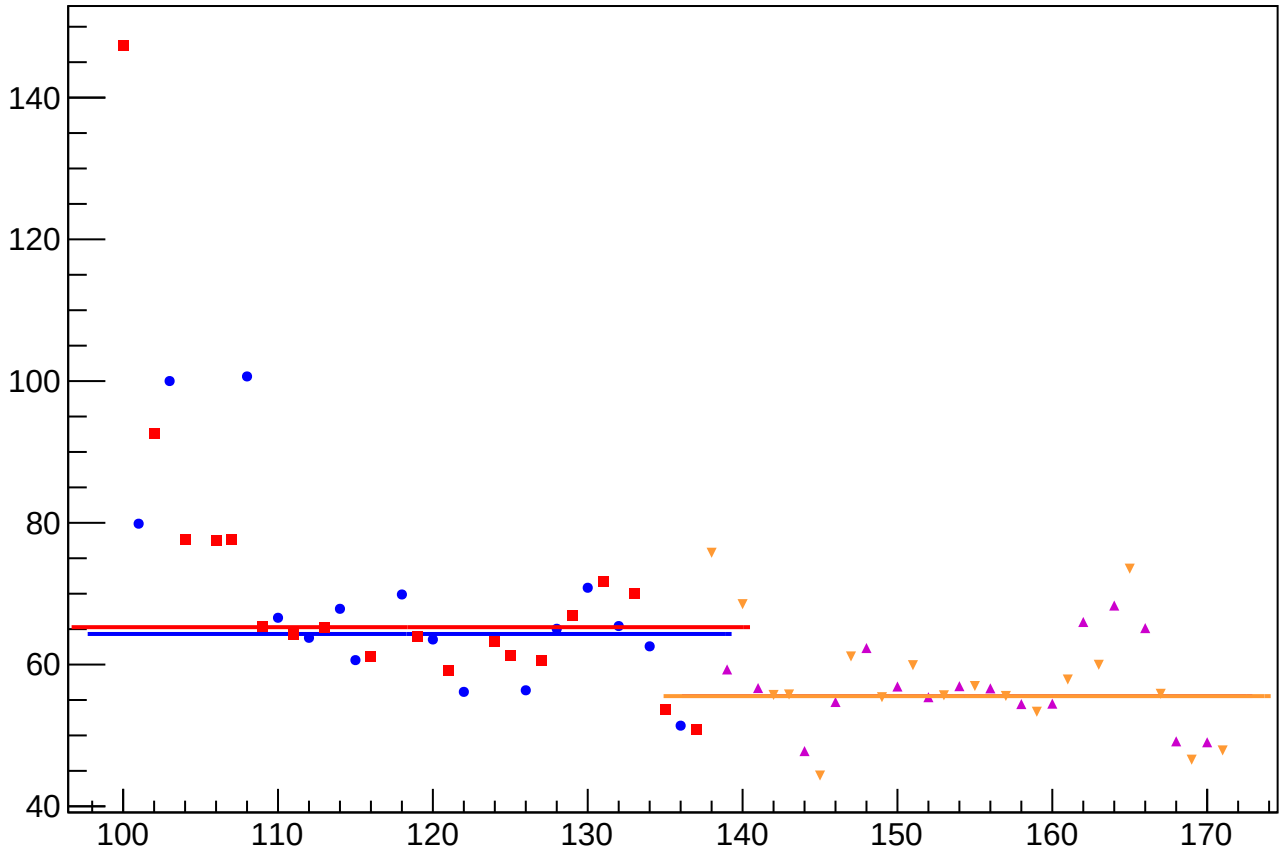
Left: -11.229+/-10.794 χ^2/NDF: 36.7/33

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: 4.138+/-13.140 χ^2/NDF:35.8/31

Out: -2.689+/-12.753 χ^2/NDF:44.2/36

All: 0.623+/-9.151 χ^2/NDF: 80.1/68



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: 55.562+/-0.011 χ^2/NDF:233816.1/15

Left: 55.554+/-0.008 χ^2/NDF: 706915.0/33

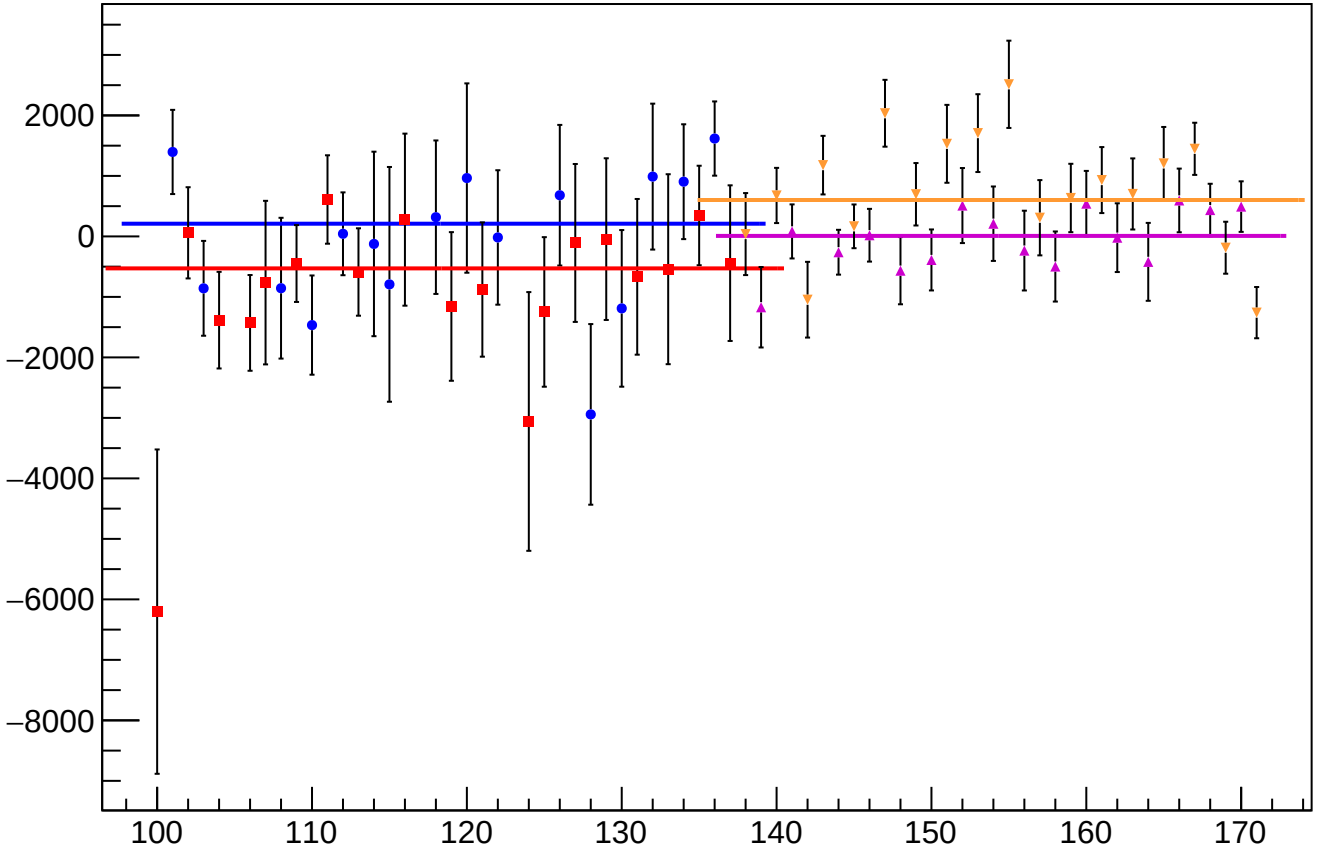
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 58.082+/-0.009 χ^2/NDF:880762.3/31

Out: 58.222+/-0.009 χ^2/NDF:1024286.1/36

All: 58.154+/-0.006 χ^2/NDF: 1905165.7/68

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: 8.357+/-127.948 χ^2/NDF:12.0/15

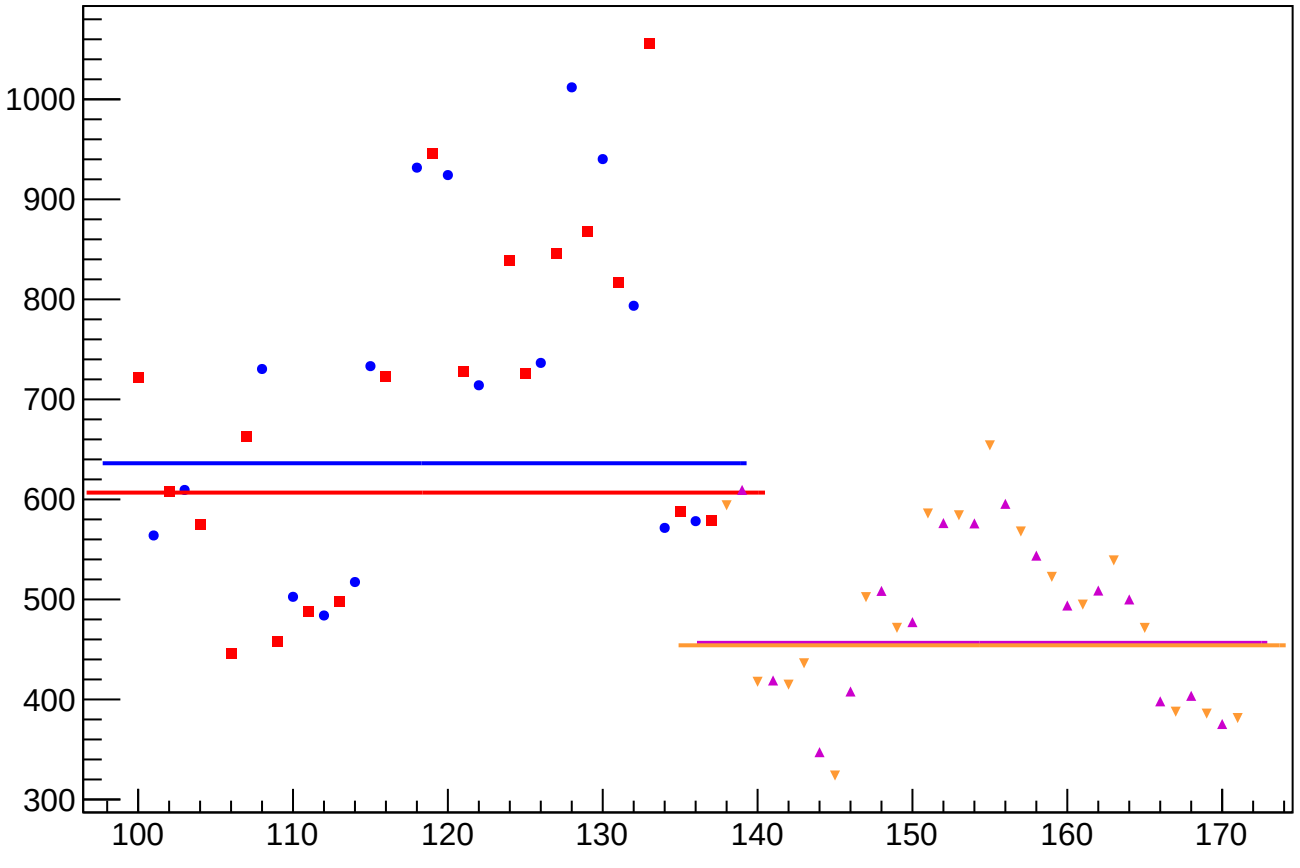
Left: 317.315+/-88.591 χ^2/NDF: 80.8/33

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: 51.905+/-113.294 χ^2/NDF:35.0/31

Out: 350.564+/-108.282 χ^2/NDF:90.2/36

All: 207.986+/-78.279 χ^2/NDF: 128.8/68



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: 456.581+/-0.090 χ^2/NDF:789200.4/15

Left: 455.309+/-0.063 χ^2/NDF: 1802066.5/33

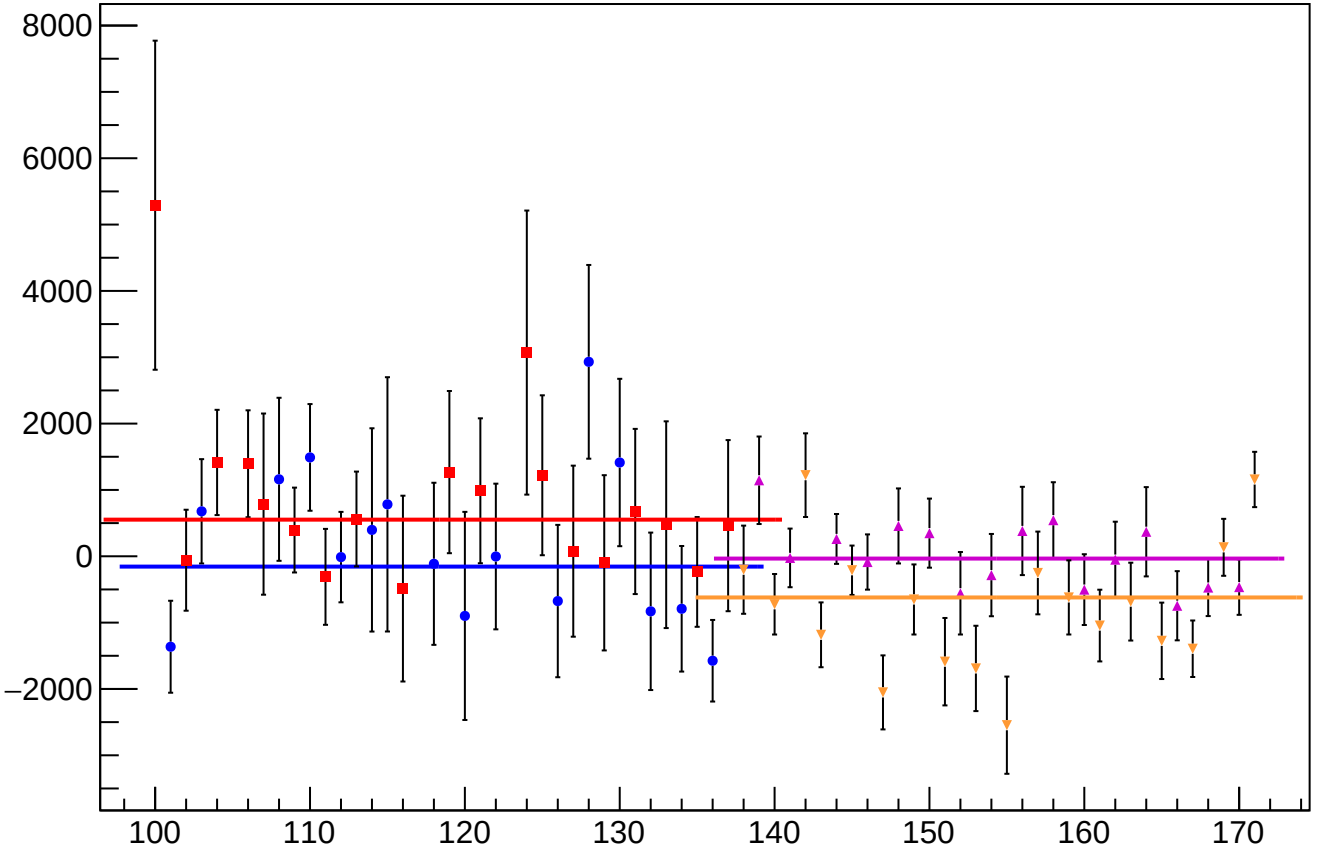
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 495.358+/-0.080 χ^2/NDF:2345080.0/31

Out: 488.069+/-0.077 χ^2/NDF:2593594.0/36

All: 491.549+/-0.055 χ^2/NDF: 4942999.8/68

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: -34.675+/-127.869 χ^2/NDF:12.5/15

Left: -339.254+/-88.613 χ^2/NDF: 80.2/33

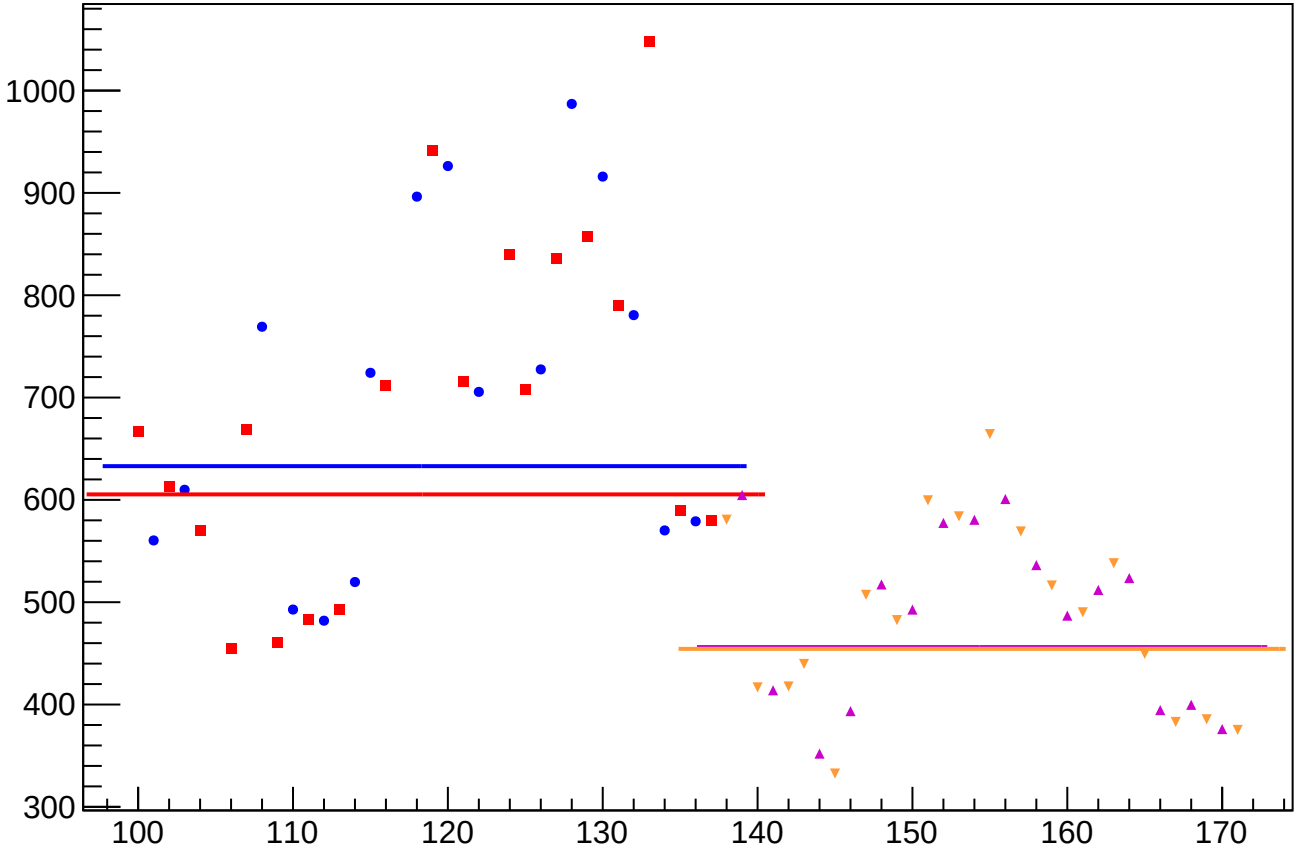
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: -60.977+/-113.117 χ^2/NDF:35.2/31

Out: -358.170+/-108.287 χ^2/NDF:89.3/36

All: -216.054+/-78.223 χ^2/NDF: 128.1/68

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: 456.188+/-0.090 χ^2/NDF:823703.4/15

Left: 455.263+/-0.063 χ^2/NDF: 1820197.5/33

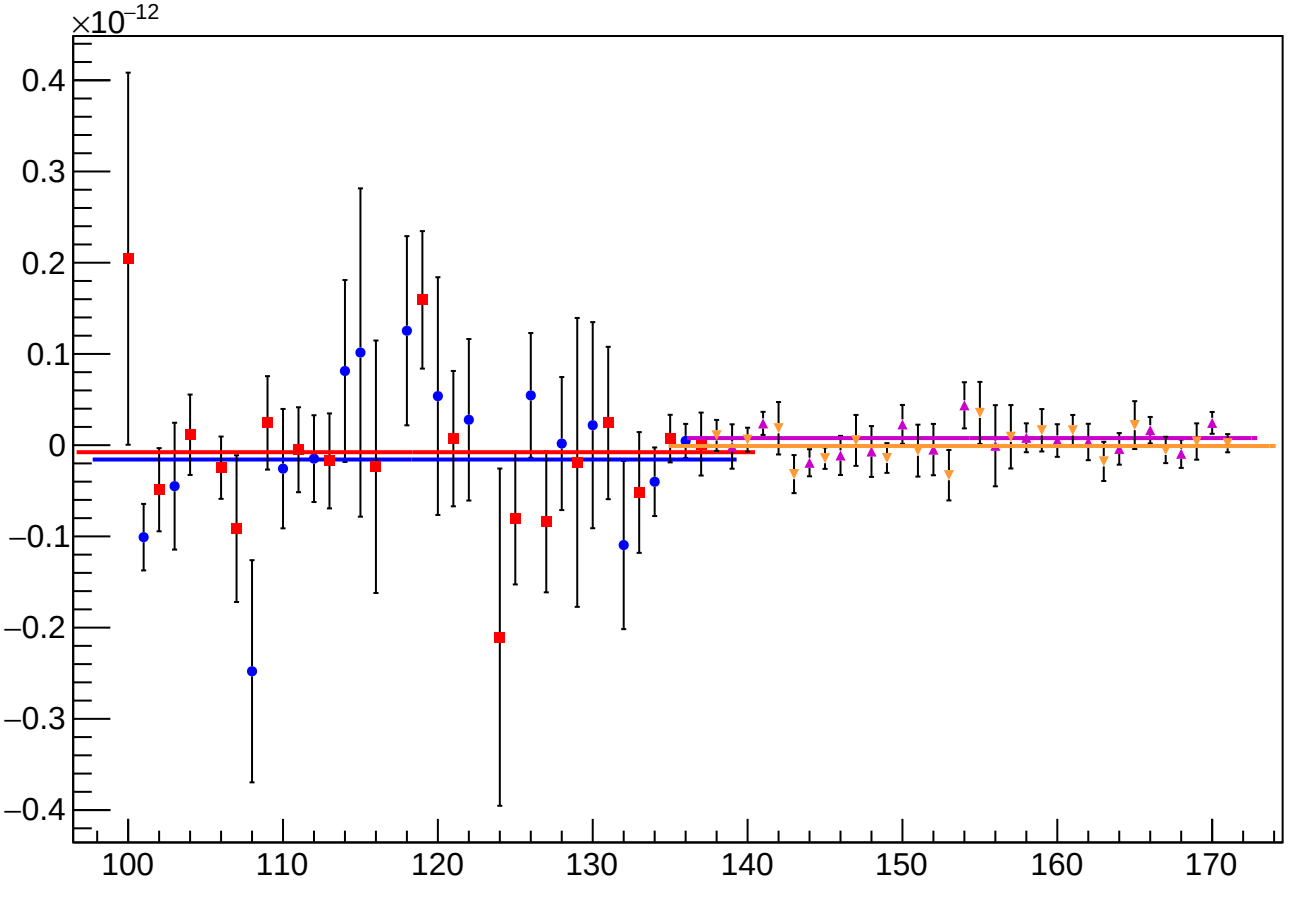
Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 494.622+/-0.080 χ^2/NDF:2335946.9/31

Out: 488.198+/-0.077 χ^2/NDF:2525571.7/36

All: 491.270+/-0.055 χ^2/NDF: 4864884.9/68

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:13.0/15

Left: 0.000+/-0.000 χ^2/NDF: 26.2/33

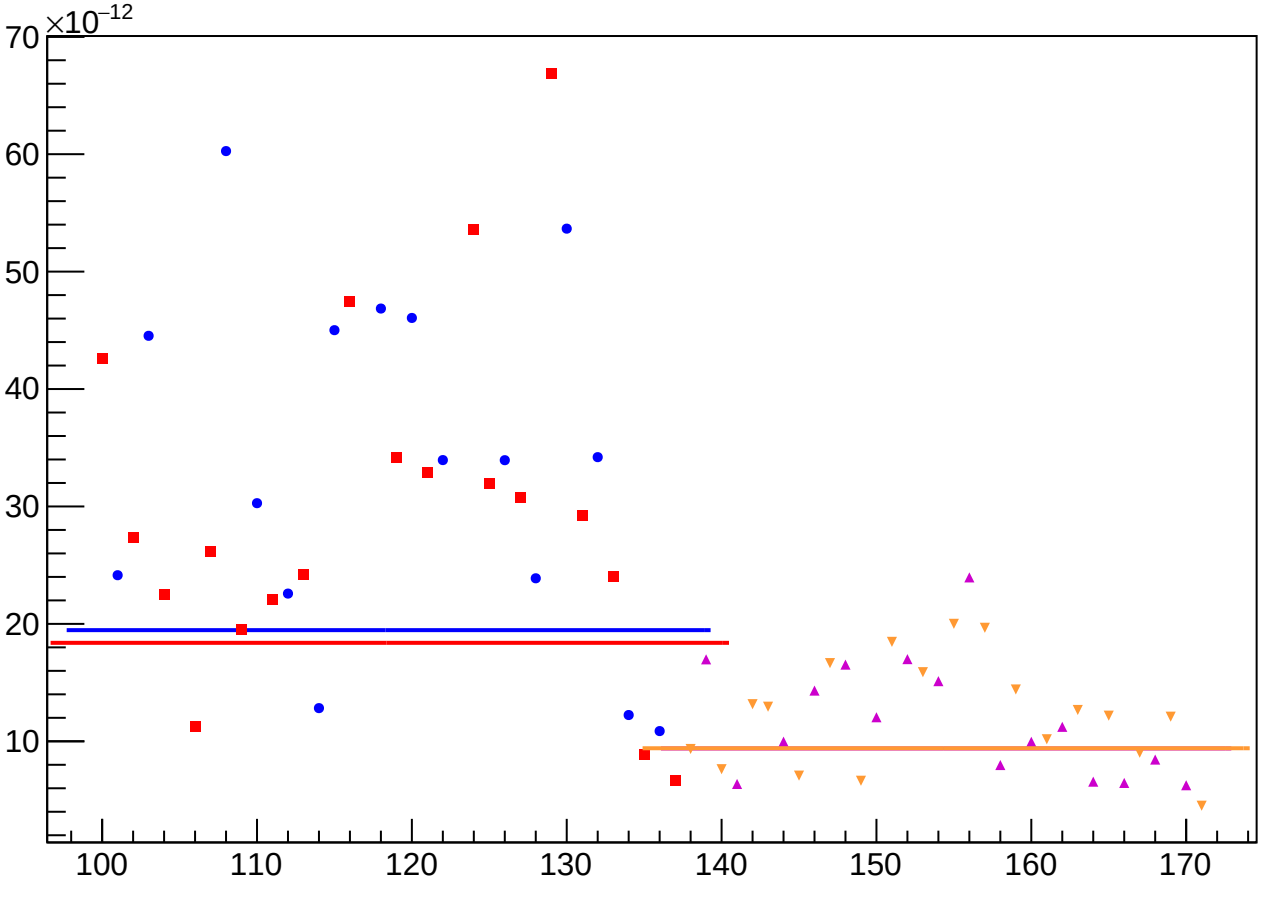
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:33.0/31

Out: -0.000+/-0.000 χ^2/NDF:24.4/36

All: 0.000+/-0.000 χ^2/NDF: 58.8/68

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:1358004.2/15

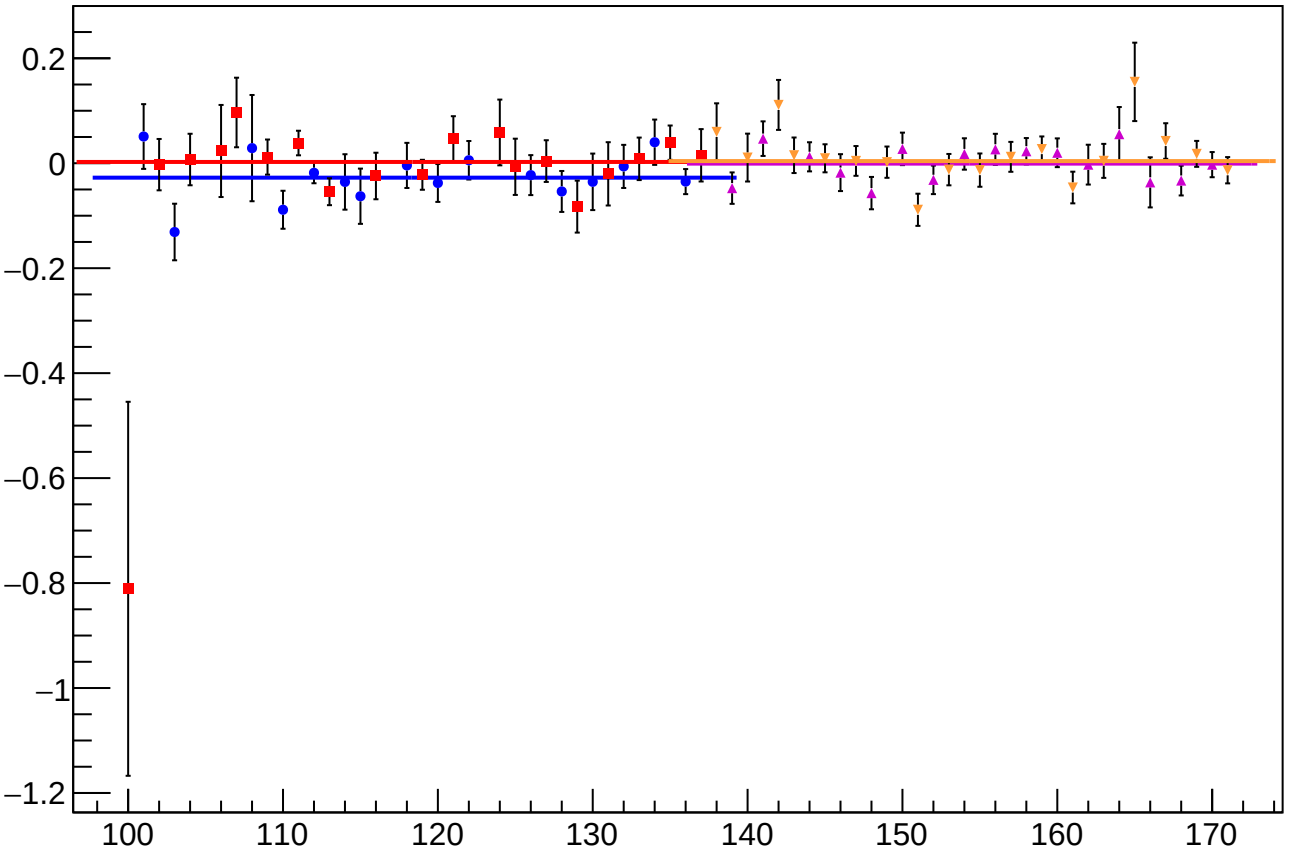
Left: 0.000+/-0.000 χ^2/NDF: 3125363.7/33

Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4229248.1/31

Out: 0.000+/-0.000 χ^2/NDF:4184344.1/36

All: 0.000+/-0.000 χ^2/NDF: 8414595.6/68



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: -0.001+/-0.008 χ^2/NDF:16.1/15

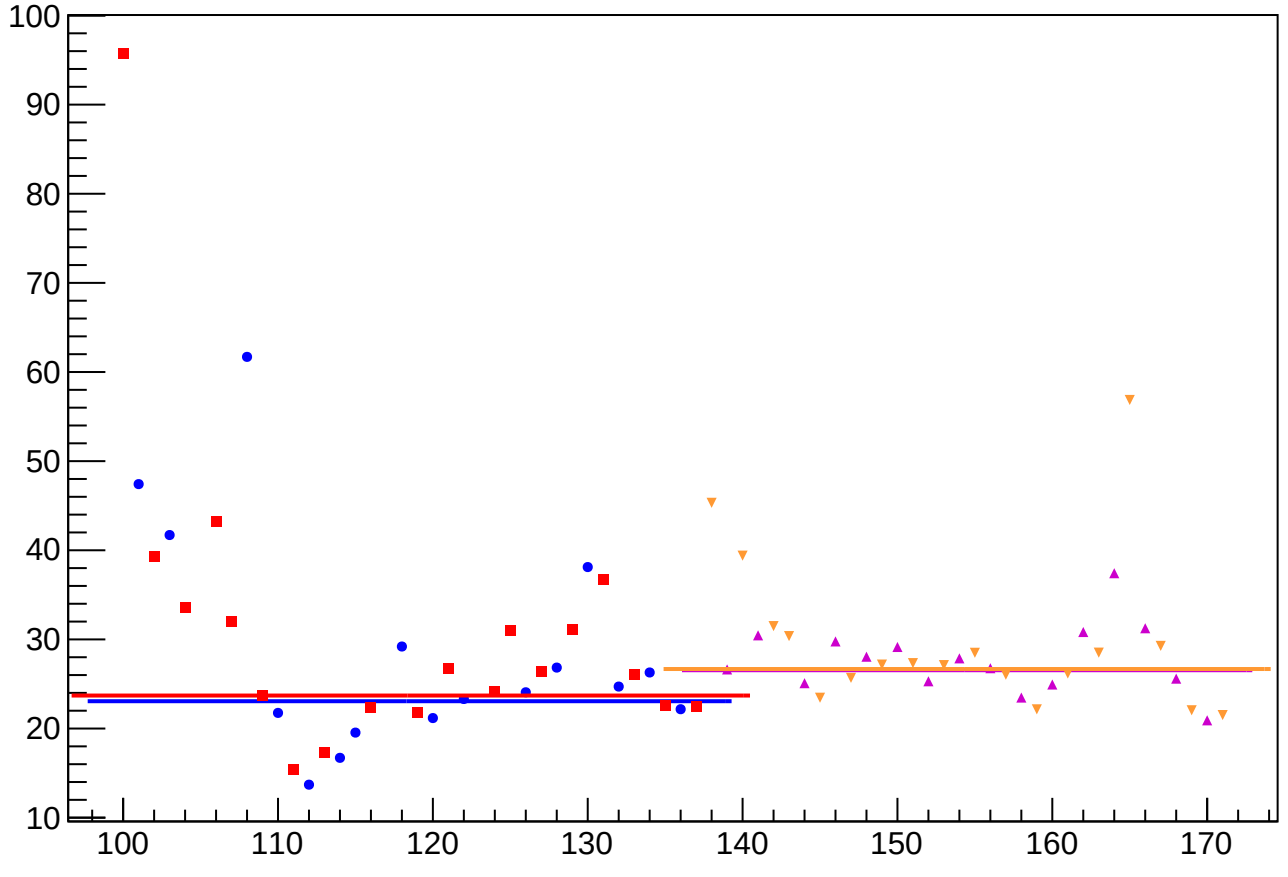
Left: 0.002+/-0.005 χ^2/NDF: 42.3/33

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.003+/-0.006 χ^2/NDF:48.1/36

All: -0.004+/-0.004 χ^2/NDF: 85.9/68



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: 26.543+/-0.005 χ^2/NDF:360268.4/15

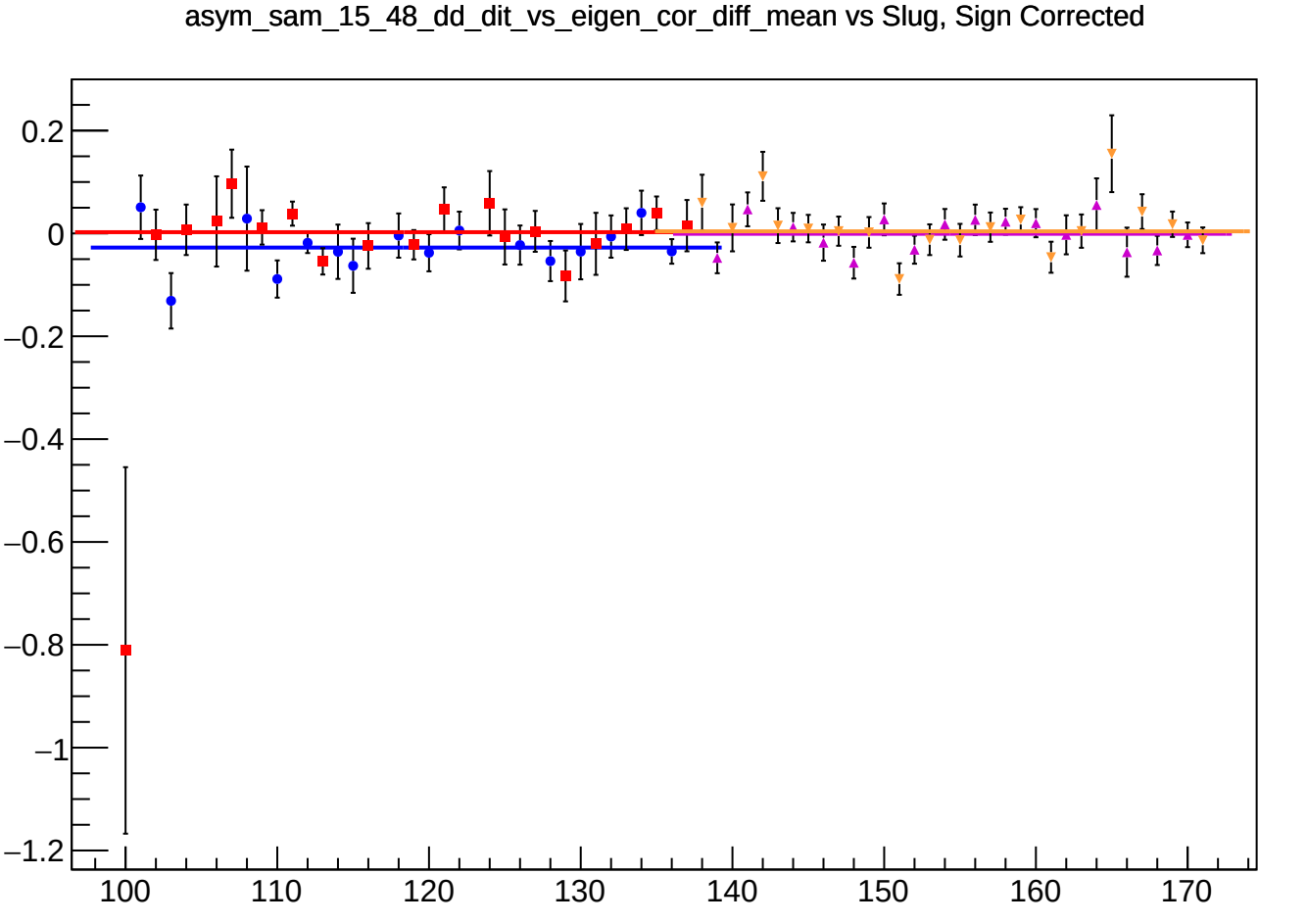
Left: 26.613+/-0.004 χ^2/NDF: 1406676.3/33

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.165+/-0.004 χ^2/NDF:2090175.1/31

Out: 25.528+/-0.004 χ^2/NDF:2260398.7/36

All: 25.350+/-0.003 χ^2/NDF: 4354426.3/68



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: -0.001+/-0.008 χ^2/NDF:16.1/15

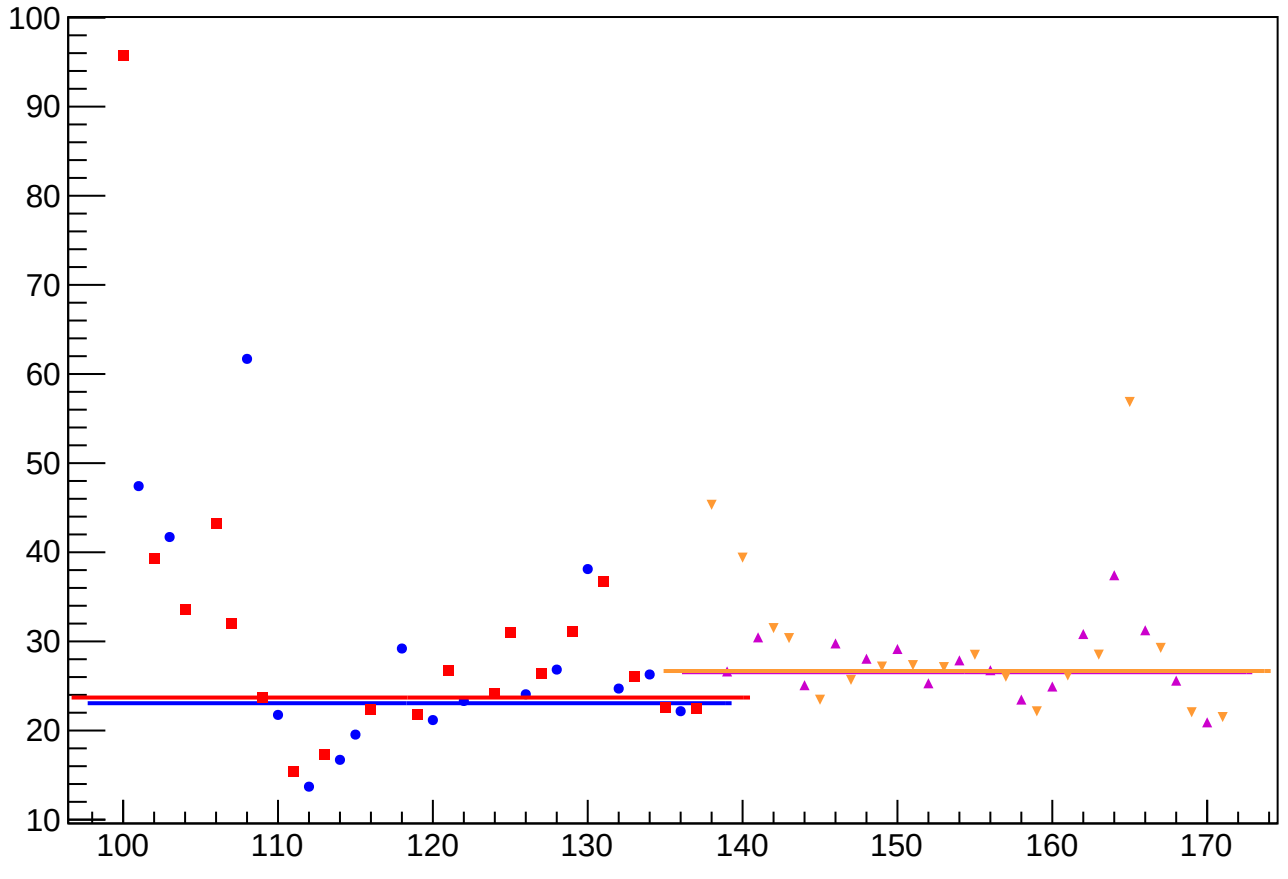
Left: 0.002+/-0.005 χ^2/NDF: 42.3/33

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.003+/-0.006 χ^2/NDF:48.1/36

All: -0.004+/-0.004 χ^2/NDF: 85.9/68



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: 26.543+/-0.005 χ^2/NDF:360268.4/15

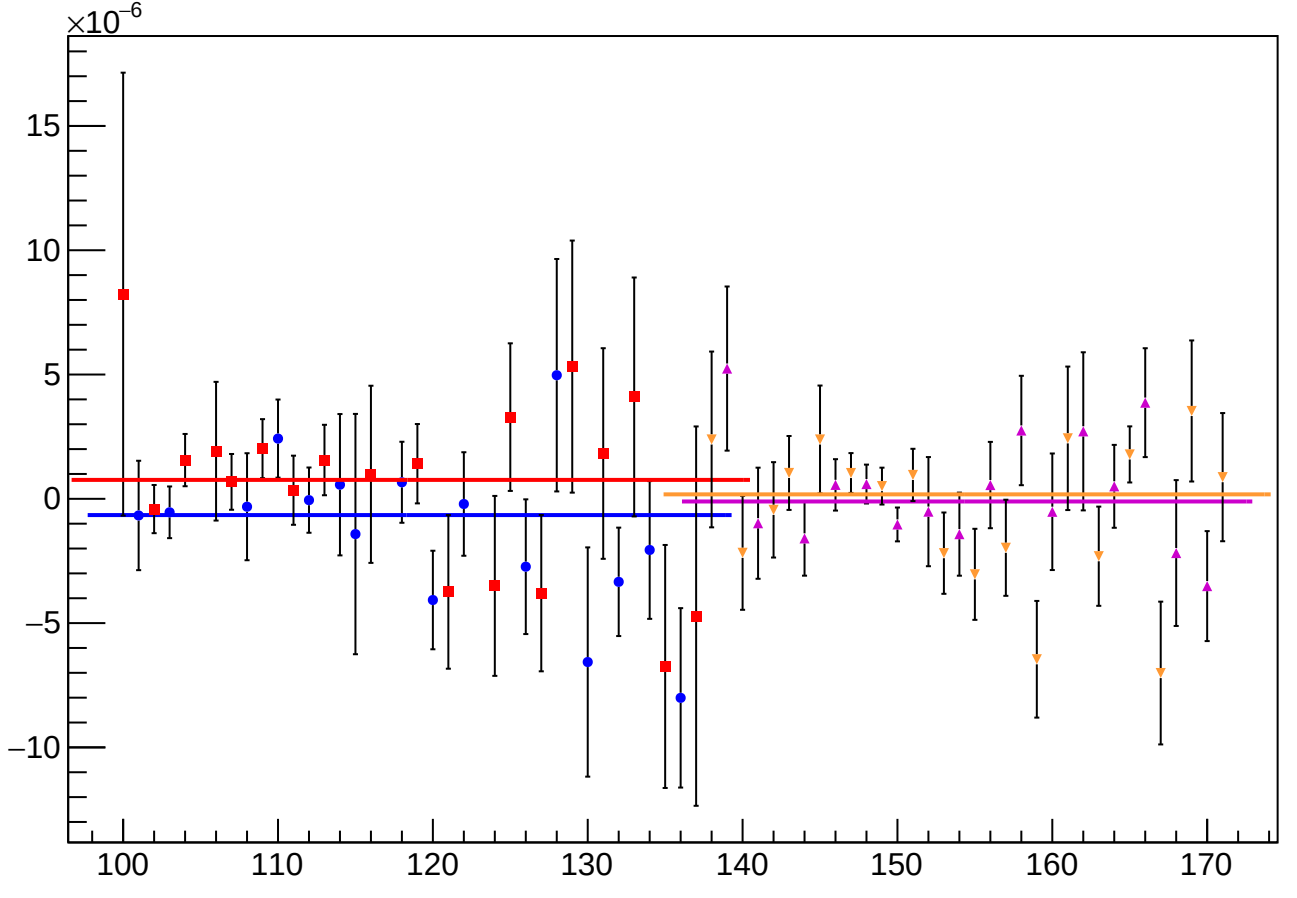
Left: 26.613+/-0.004 χ^2/NDF: 1406676.3/33

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.165+/-0.004 χ^2/NDF:2090175.1/31

Out: 25.528+/-0.004 χ^2/NDF:2260398.7/36

All: 25.350+/-0.003 χ^2/NDF: 4354426.3/68



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:16.4/15

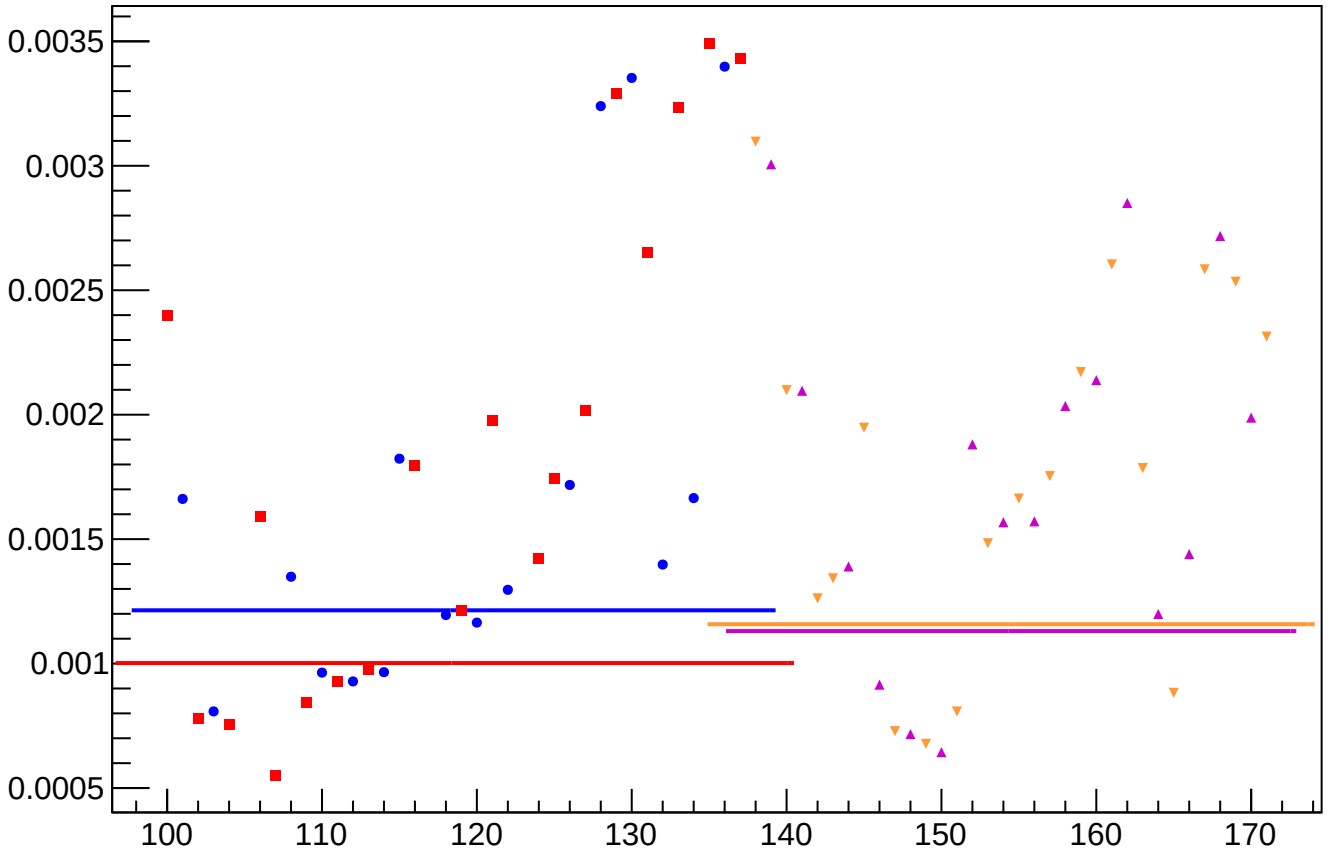
Left: 0.000+/-0.000 χ^2/NDF: 47.9/33

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:34.8/31

Out: 0.000+/-0.000 χ^2/NDF:47.5/36

All: 0.000+/-0.000 χ^2/NDF: 85.5/68



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:5468612.7/15

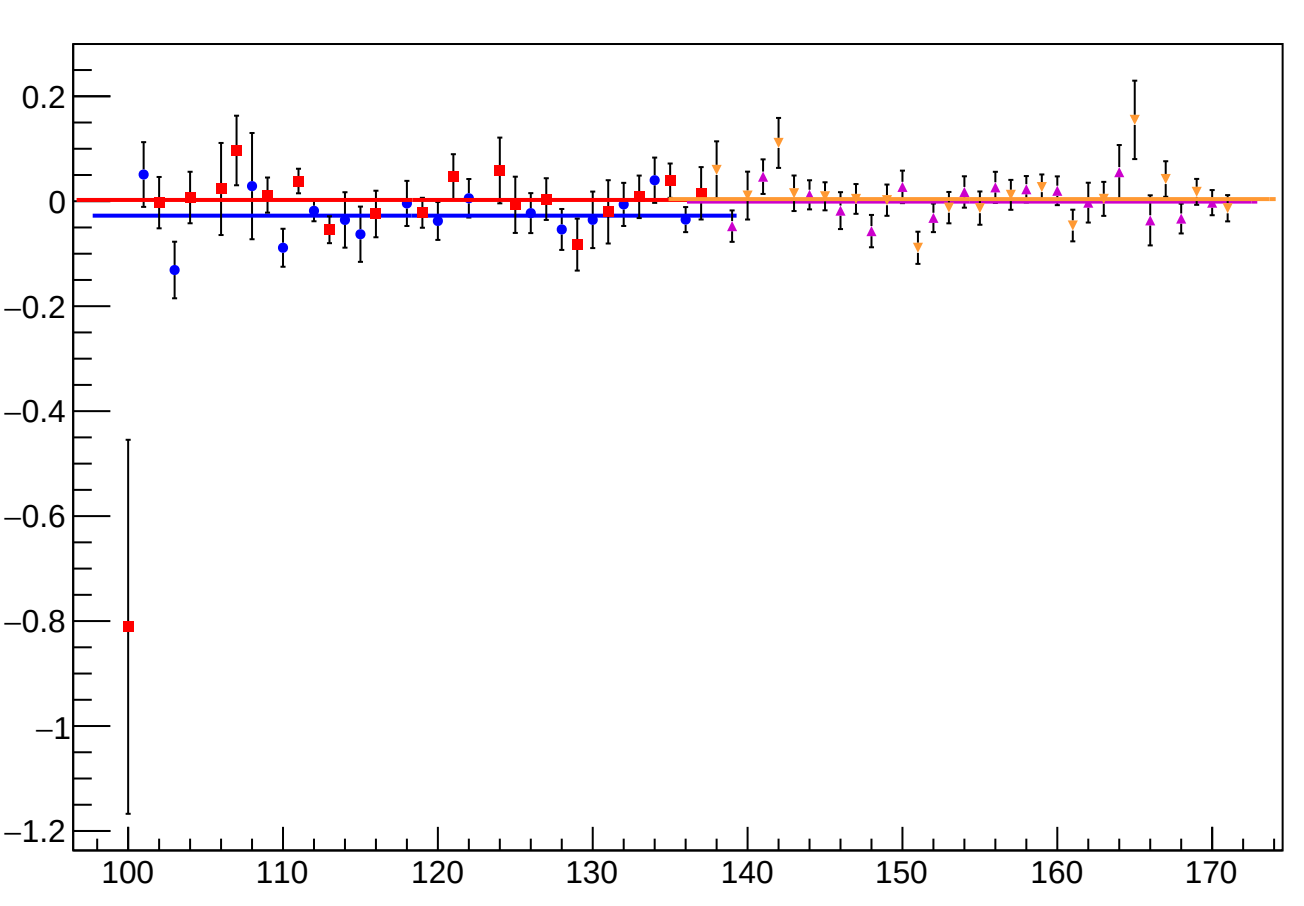
Left: 0.001+/-0.000 χ^2/NDF: 11327959.0/33

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:7772788.4/31

Out: 0.001+/-0.000 χ^2/NDF:9293906.7/36

All: 0.001+/-0.000 χ^2/NDF: 17120398.1/68



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: -0.001+/-0.008 χ^2/NDF:16.1/15

Left: 0.002+/-0.005 χ^2/NDF: 42.3/33

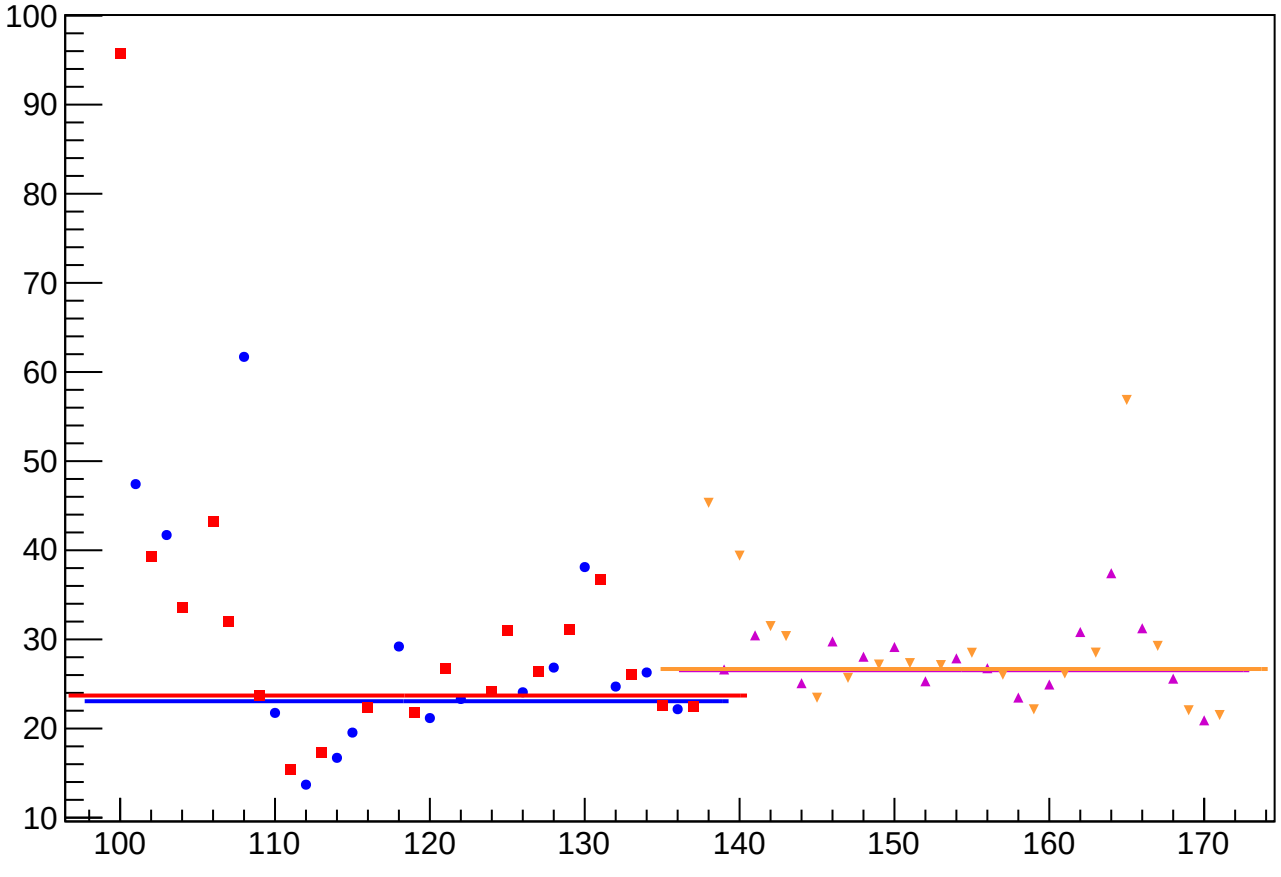
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.003+/-0.006 χ^2/NDF:48.1/36

All: -0.004+/-0.004 χ^2/NDF: 85.9/68

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: 26.543+/-0.005 χ^2/NDF:360270.1/15

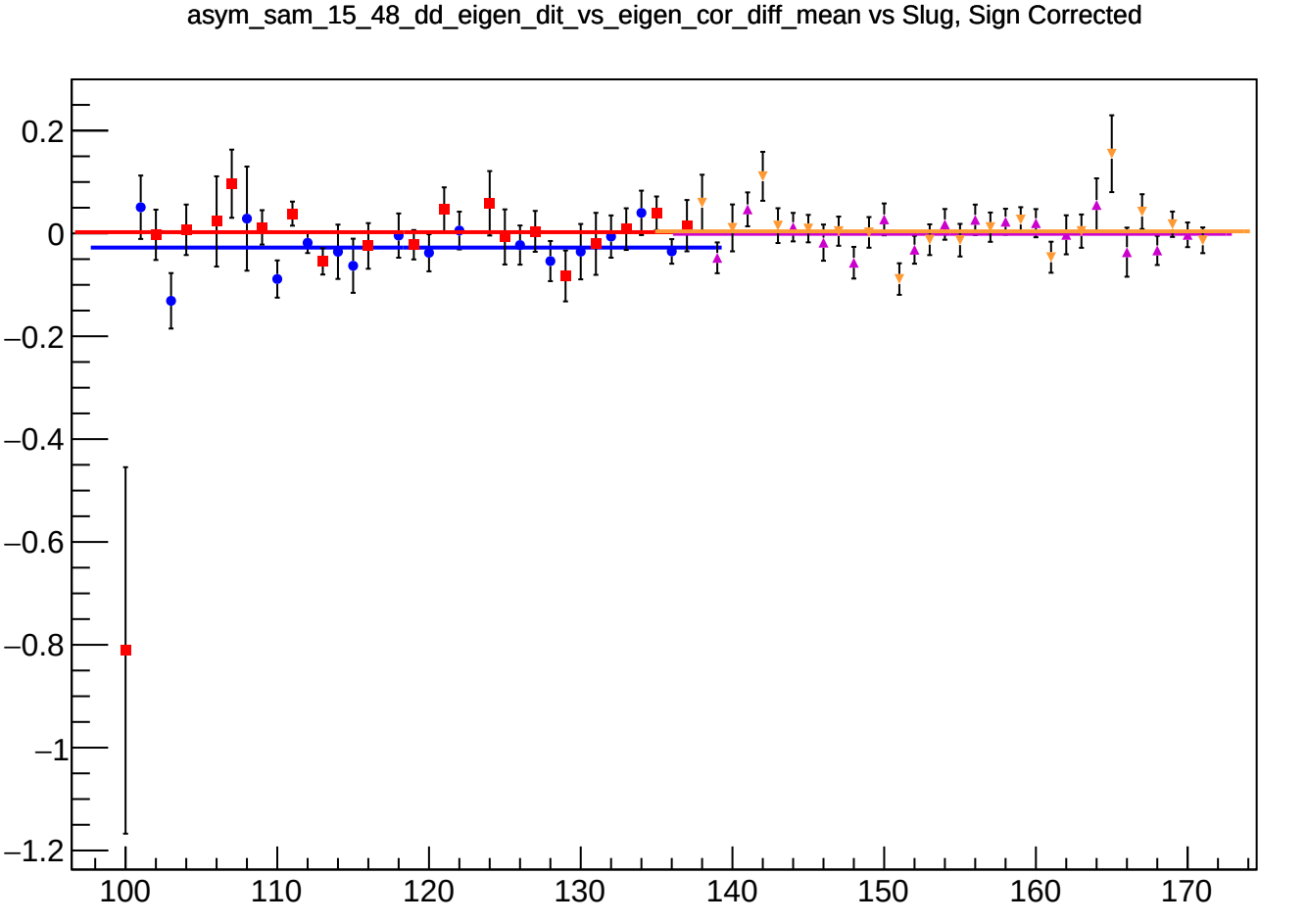
Left: 26.613+/-0.004 χ^2/NDF: 1406616.2/33

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.165+/-0.004 χ^2/NDF:2090231.0/31

Out: 25.528+/-0.004 χ^2/NDF:2260426.1/36

All: 25.350+/-0.003 χ^2/NDF: 4354511.4/68



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: -0.001+/-0.008 χ^2/NDF:16.1/15

Left: 0.002+/-0.005 χ^2/NDF: 42.3/33

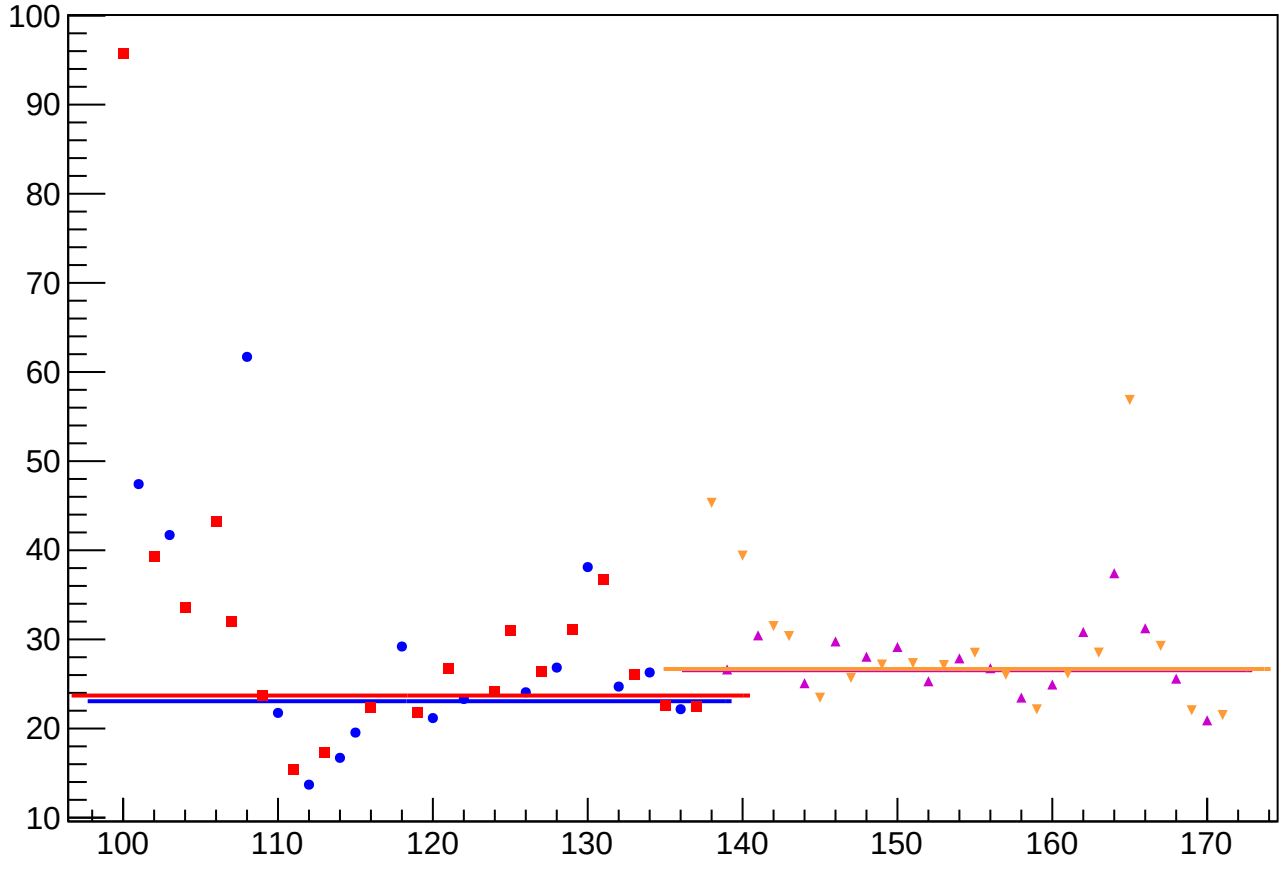
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.011+/-0.006 χ^2/NDF:34.7/31

Out: 0.003+/-0.006 χ^2/NDF:48.1/36

All: -0.004+/-0.004 χ^2/NDF: 85.9/68

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: 26.543+/-0.005 χ^2/NDF:360270.1/15

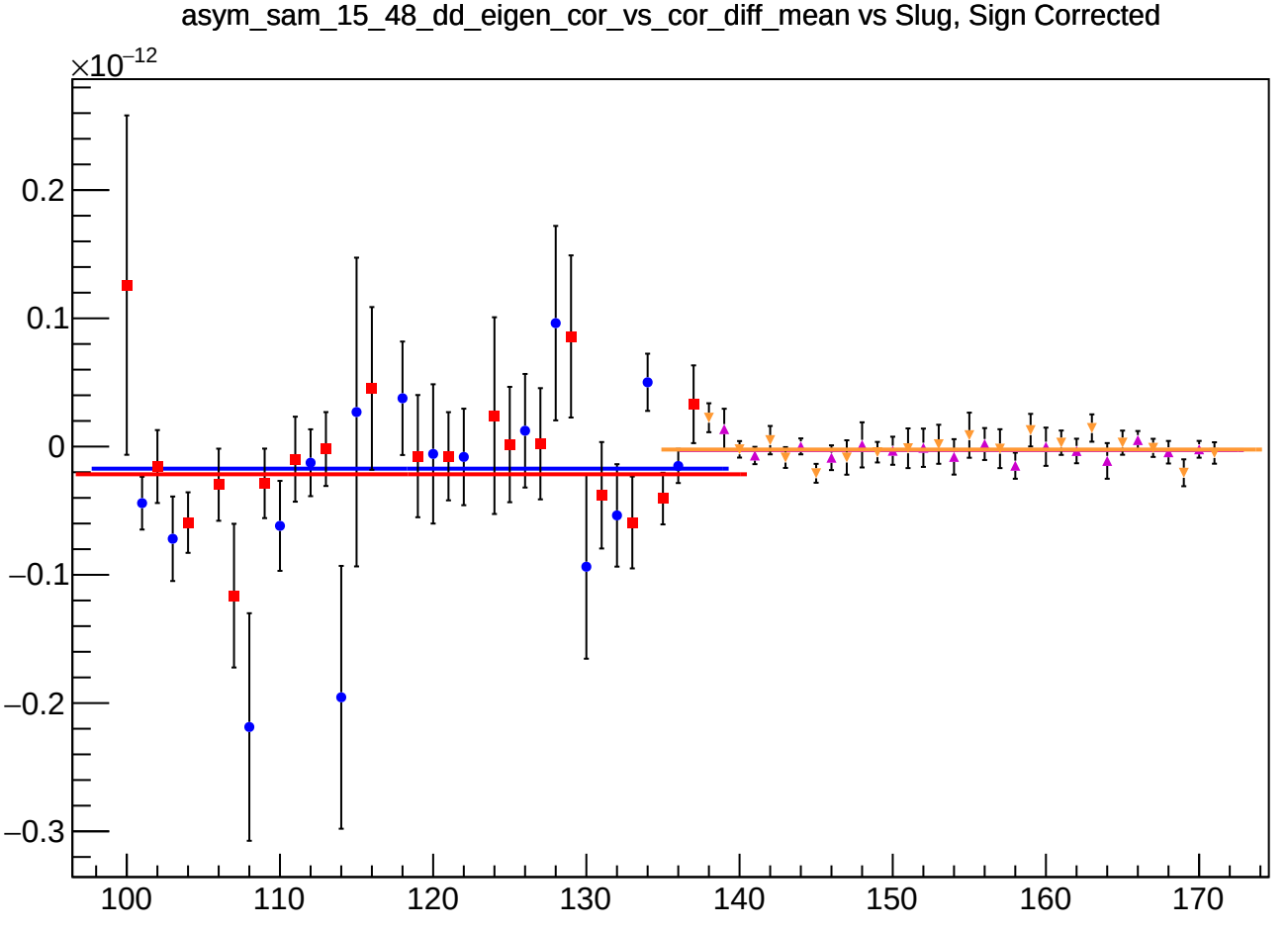
Left: 26.613+/-0.004 χ^2/NDF: 1406616.2/33

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.165+/-0.004 χ^2/NDF:2090231.0/31

Out: 25.528+/-0.004 χ^2/NDF:2260426.1/36

All: 25.350+/-0.003 χ^2/NDF: 4354511.4/68



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:5.5/15

Left: -0.000+/-0.000 χ^2/NDF: 26.2/33

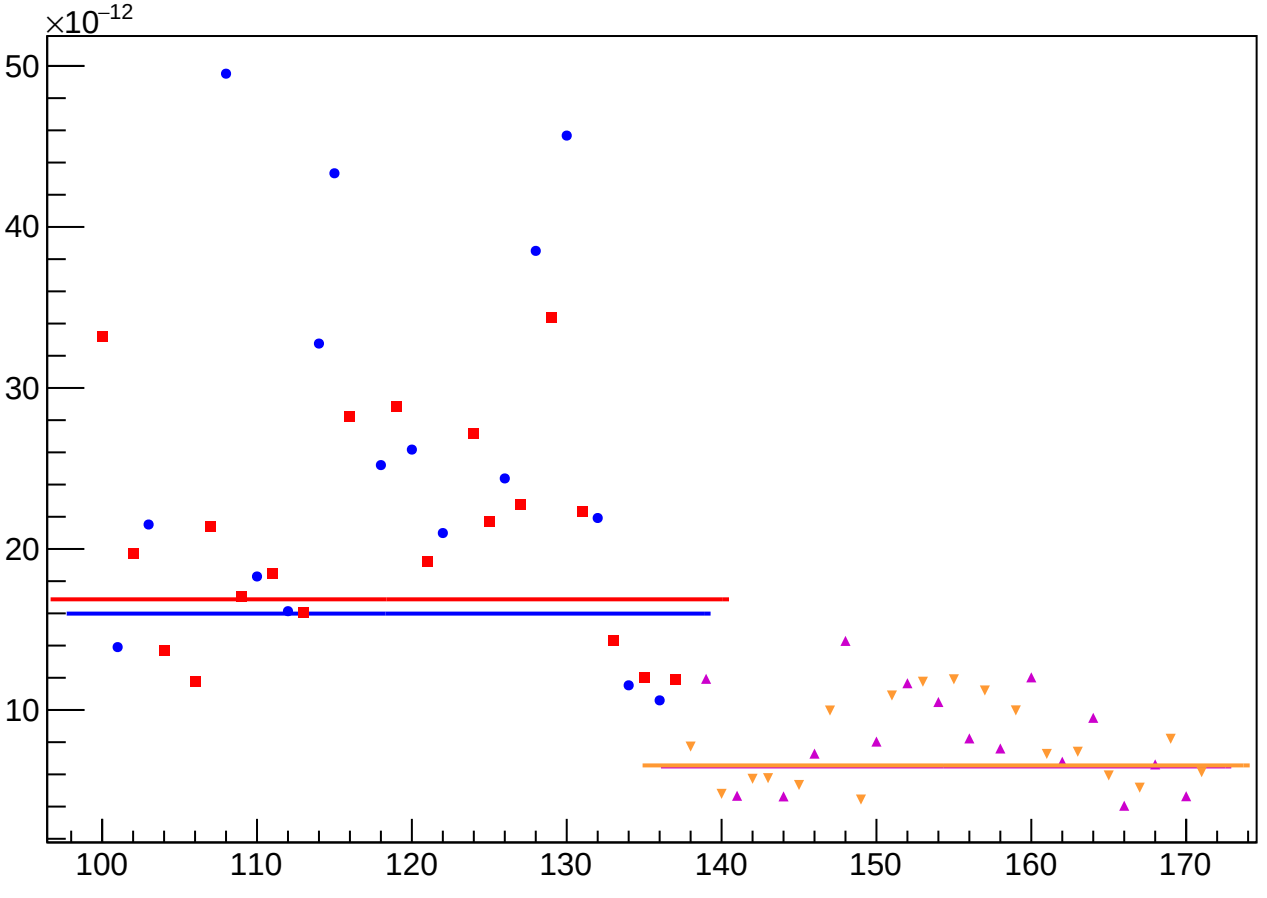
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:38.5/31

Out: -0.000+/-0.000 χ^2/NDF:44.1/36

All: -0.000+/-0.000 χ^2/NDF: 82.7/68

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:2246113.2/15

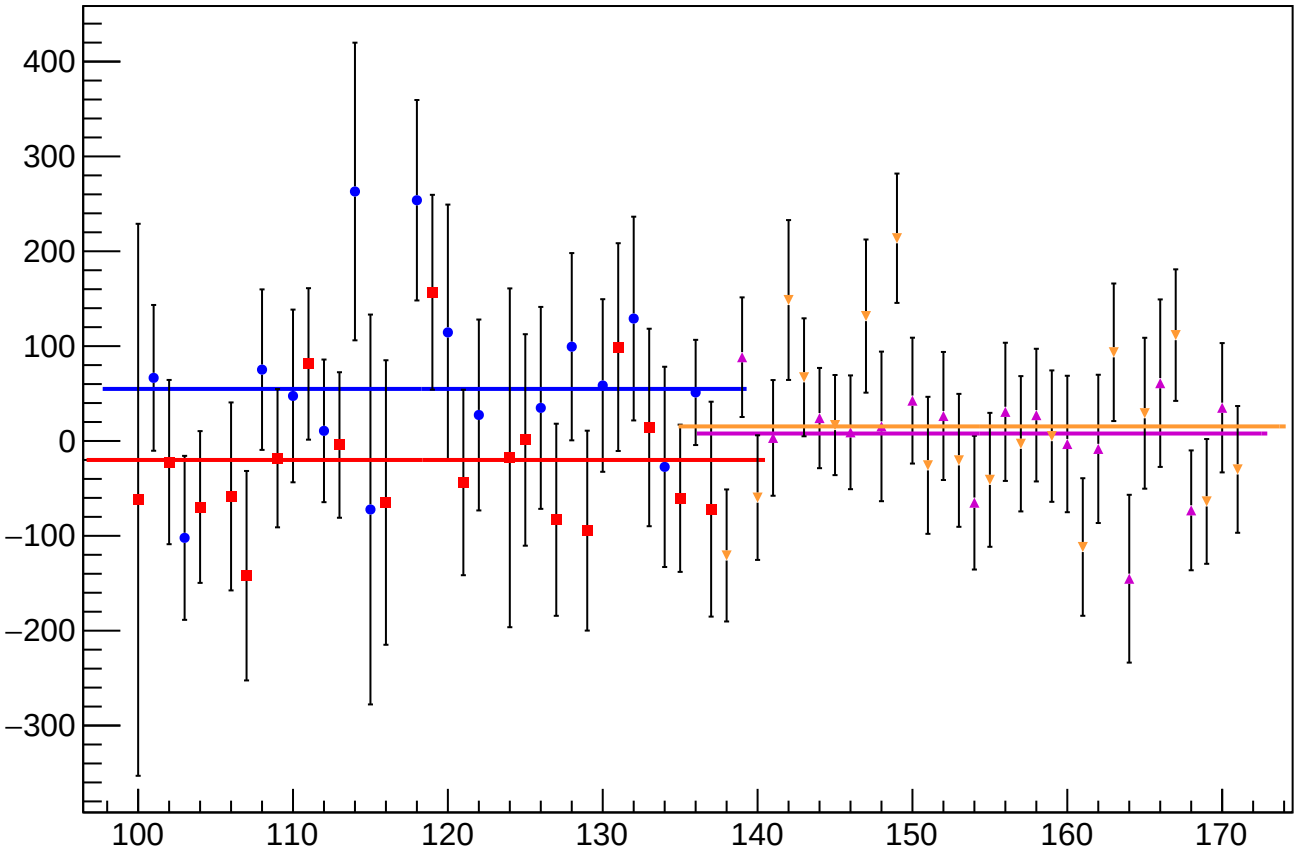
Left: 0.000+/-0.000 χ^2/NDF: 3845723.6/33

Right: 0.000+/-0.000 χ^2/NDF: 2613122.2/34

In: 0.000+/-0.000 χ^2/NDF:6744141.0/31

Out: 0.000+/-0.000 χ^2/NDF:5586384.0/36

All: 0.000+/-0.000 χ^2/NDF: 12330990.1/68



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: 7.858+/-17.059 χ^2/NDF:8.6/15

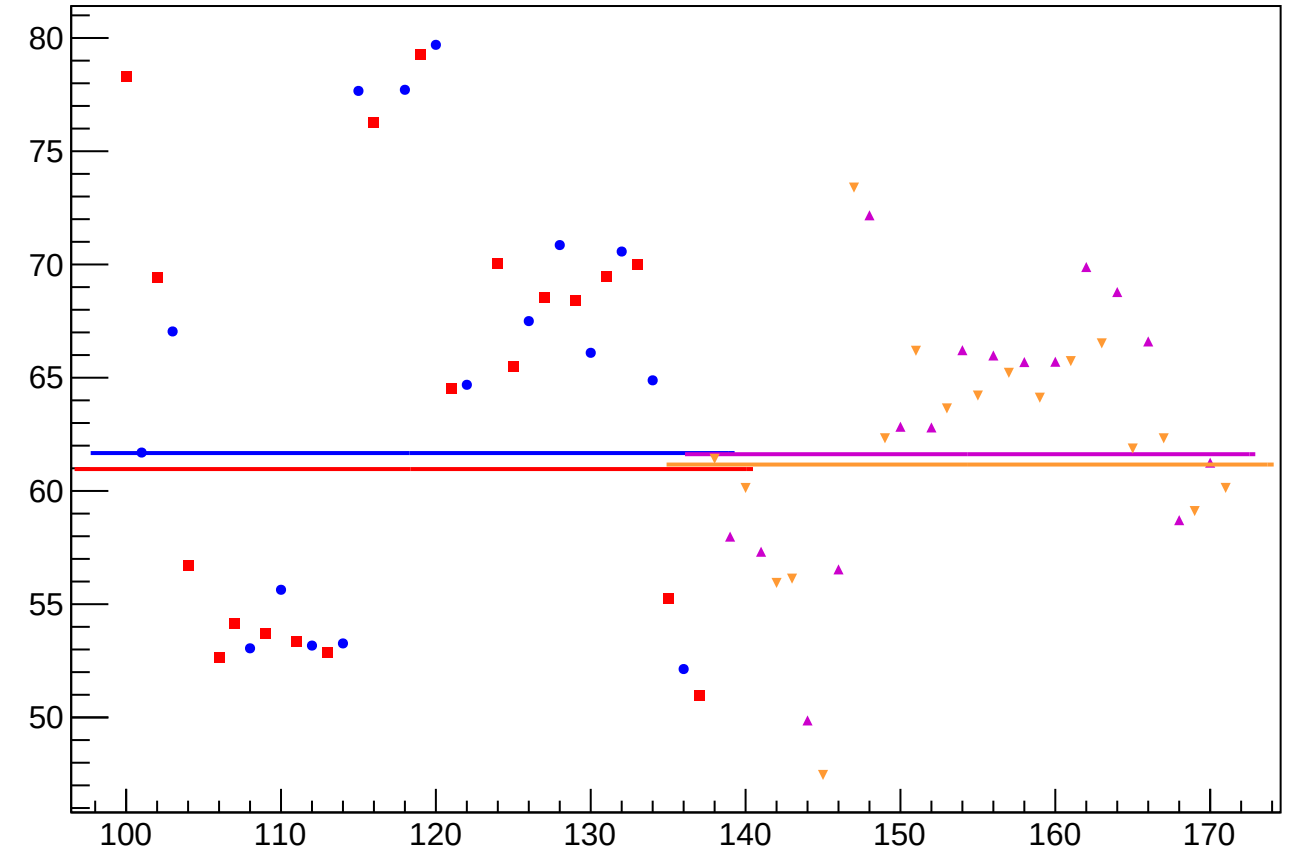
Left: 11.780+/-11.782 χ^2/NDF: 36.9/33

Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 24.380+/-13.739 χ^2/NDF:22.2/31

Out: 3.239+/-13.210 χ^2/NDF:39.1/36

All: 13.395+/-9.523 χ^2/NDF: 62.6/68



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: 61.623+/-0.012 χ^2/NDF:242041.0/15

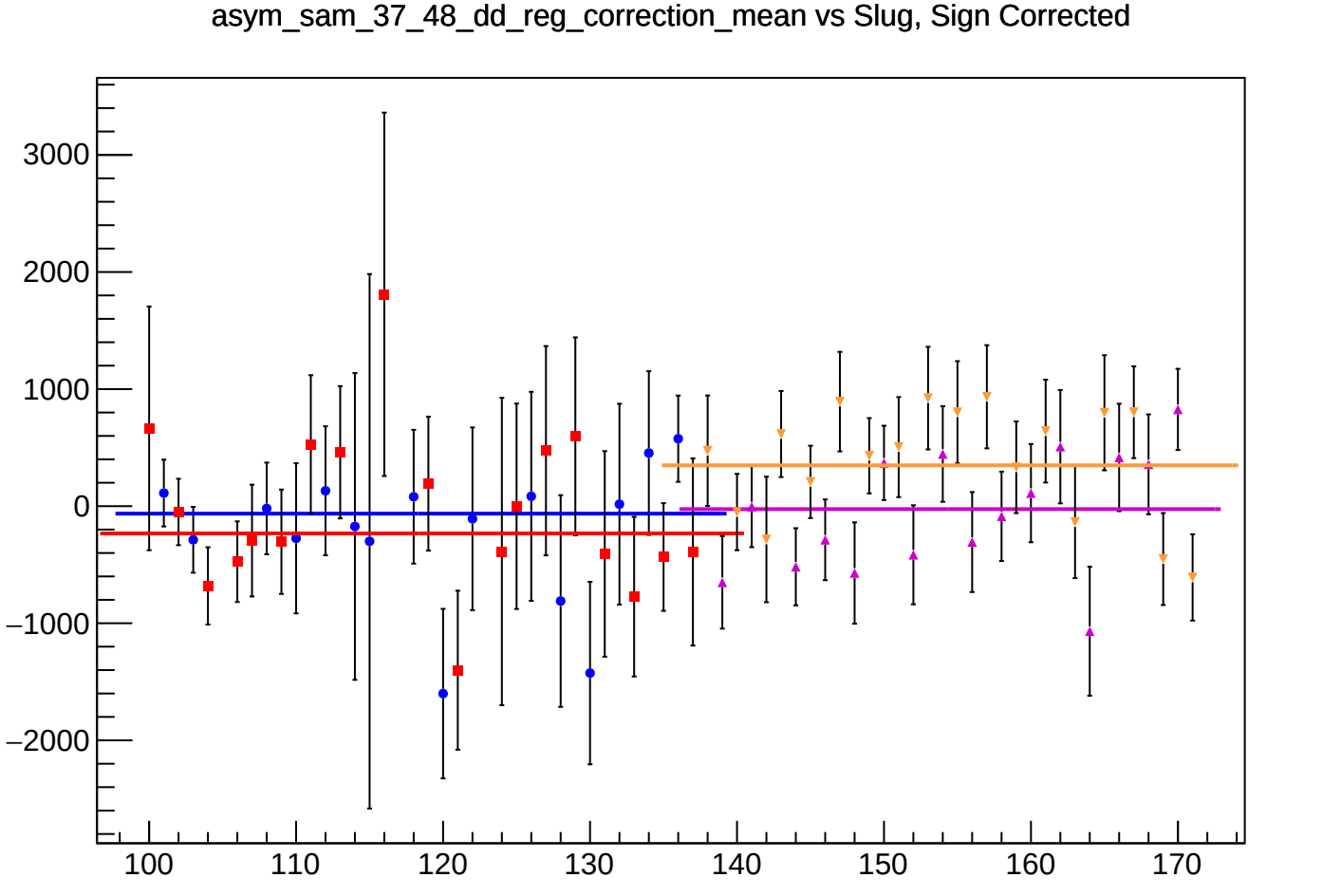
Left: 61.384+/-0.008 χ^2/NDF: 493412.6/33

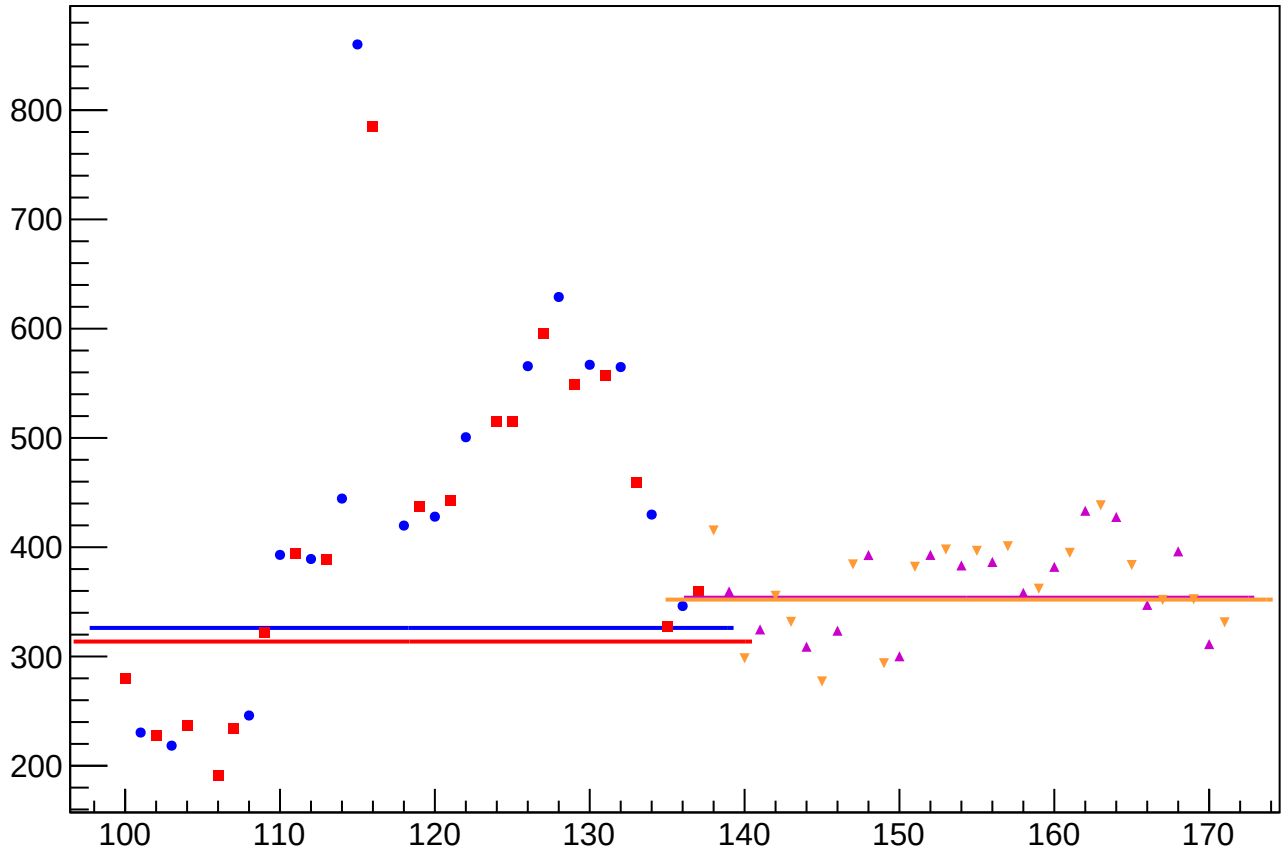
Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.640+/-0.010 χ^2/NDF:509155.2/31

Out: 61.098+/-0.009 χ^2/NDF:534908.1/36

All: 61.358+/-0.007 χ^2/NDF: 1045684.5/68


asym_sam_37_48_dd_reg_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.834+/-129.674 χ²/NDF: 13.2/15
Left Out: 348.813+/-94.448 χ²/NDF:24.6/17
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -25.195+/-98.337 χ²/NDF:23.8/15
Left: 169.350+/-68.118 χ²/NDF: 56.0/33
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -39.303+/-78.355 χ²/NDF:37.0/31
Out: 132.467+/-74.864 χ²/NDF:53.3/36
All: 50.494+/-54.129 χ²/NDF: 92.8/68



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: 353.814+/-0.070 χ^2/NDF:329093.2/15

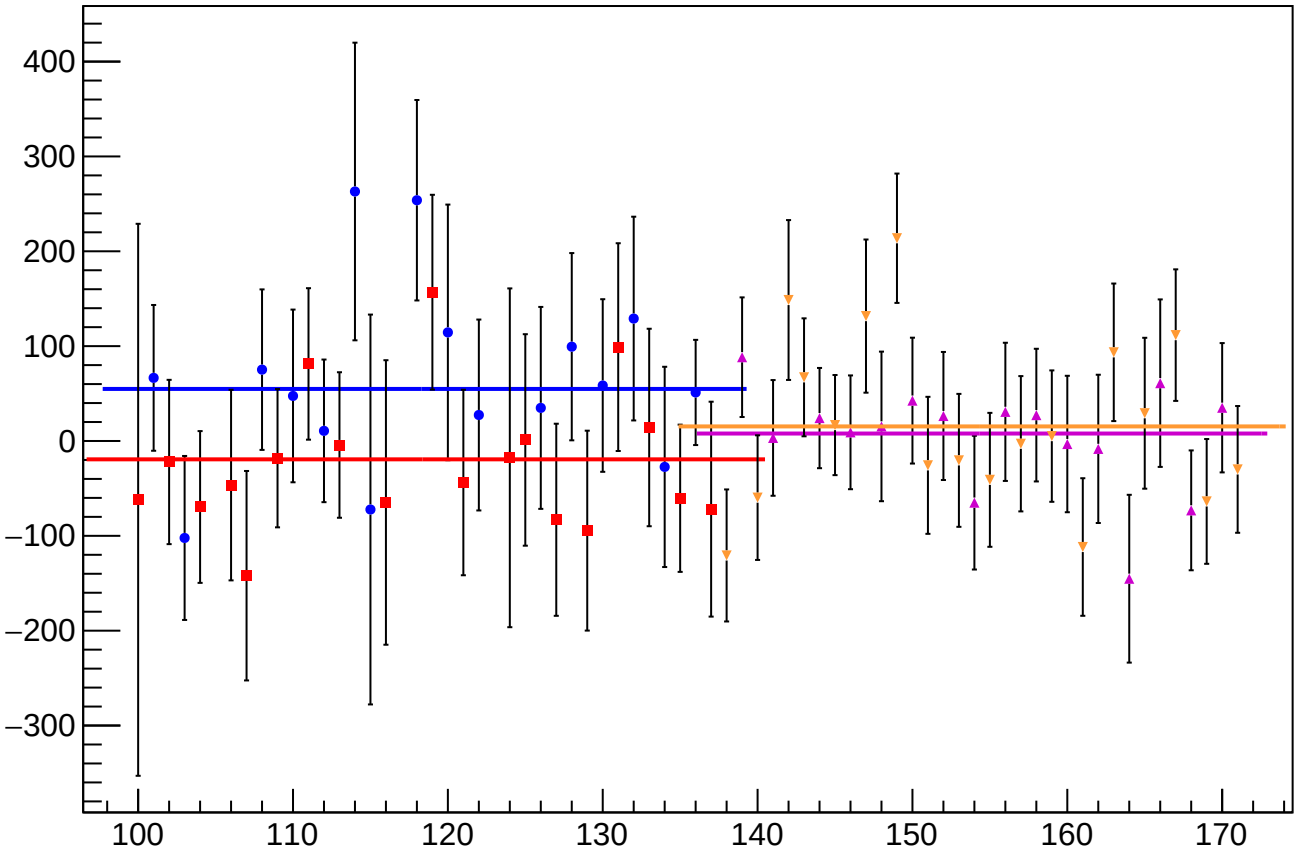
Left: 352.908+/-0.048 χ^2/NDF: 797668.3/33

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.712+/-0.055 χ^2/NDF:2120888.2/31

Out: 337.799+/-0.053 χ^2/NDF:2378493.1/36

All: 340.621+/-0.038 χ^2/NDF: 4505336.7/68



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: 7.858+/-17.059 χ^2/NDF:8.6/15

Left: 11.780+/-11.782 χ^2/NDF: 36.9/33

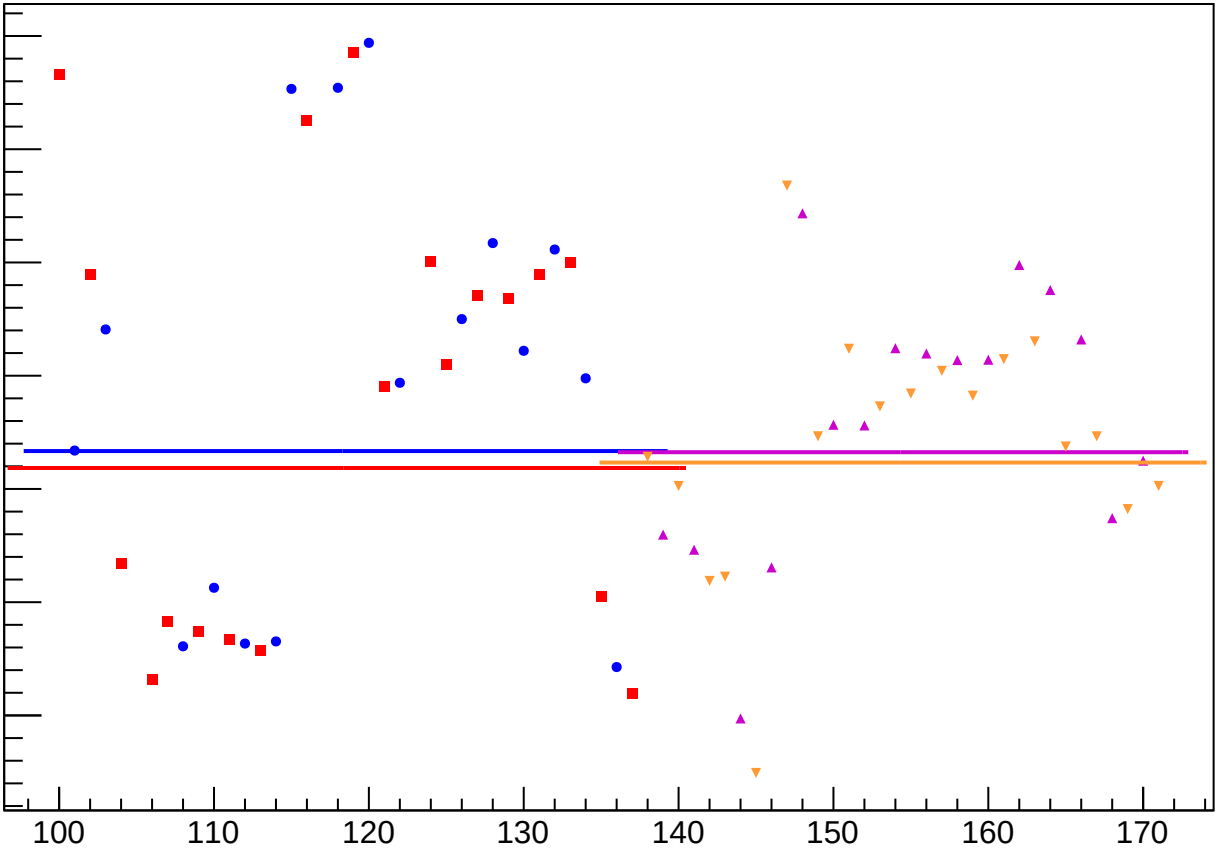
Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 24.378+/-13.739 χ^2/NDF:22.2/31

Out: 3.479+/-13.214 χ^2/NDF:39.0/36

All: 13.521+/-9.524 χ^2/NDF: 62.4/68

cor_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.166+/-0.012 χ^2/NDF:250622.1/17

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.623+/-0.012 χ^2/NDF:242041.0/15

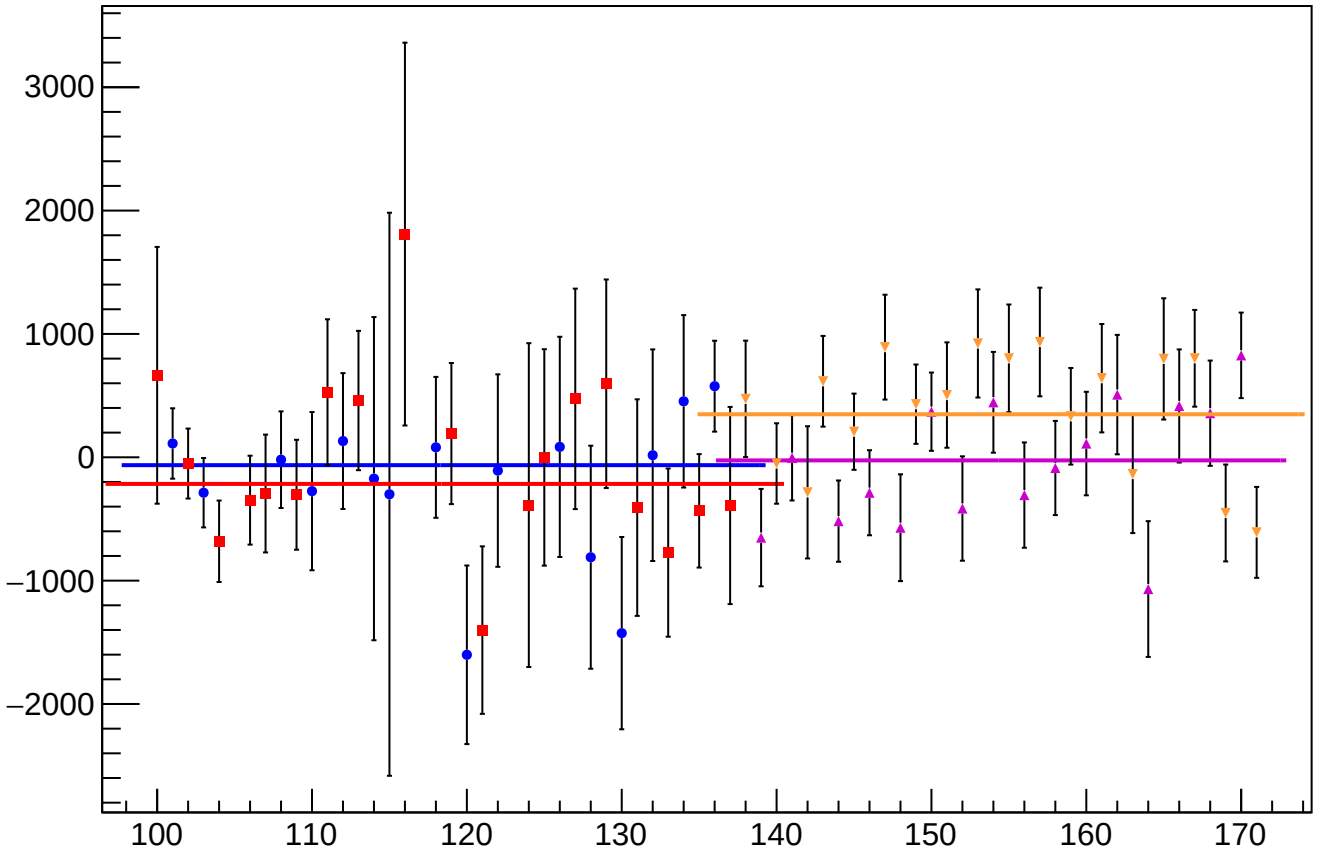
Left: 61.384+/-0.008 χ^2/NDF: 493412.6/33

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.640+/-0.010 χ^2/NDF:509155.4/31

Out: 61.084+/-0.009 χ^2/NDF:538350.6/36

All: 61.351+/-0.007 χ^2/NDF: 1049210.9/68



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: -25.195+/-98.337 χ^2/NDF:23.8/15

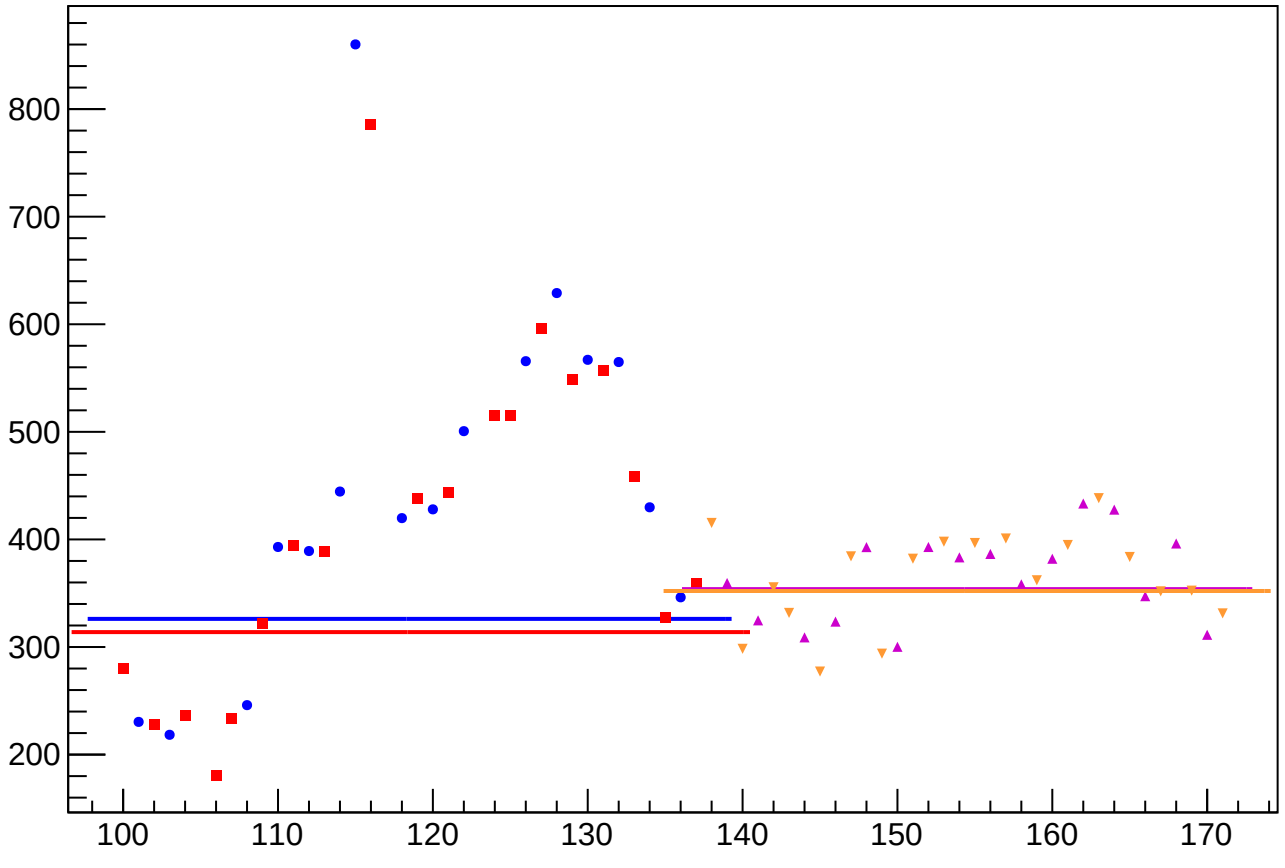
Left: 169.350+/-68.118 χ^2/NDF: 56.0/33

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -39.298+/-78.355 χ^2/NDF:37.0/31

Out: 140.394+/-75.022 χ^2/NDF:51.9/36

All: 54.451+/-54.188 χ^2/NDF: 91.7/68



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: 353.814+/-0.070 χ^2/NDF:329094.0/15

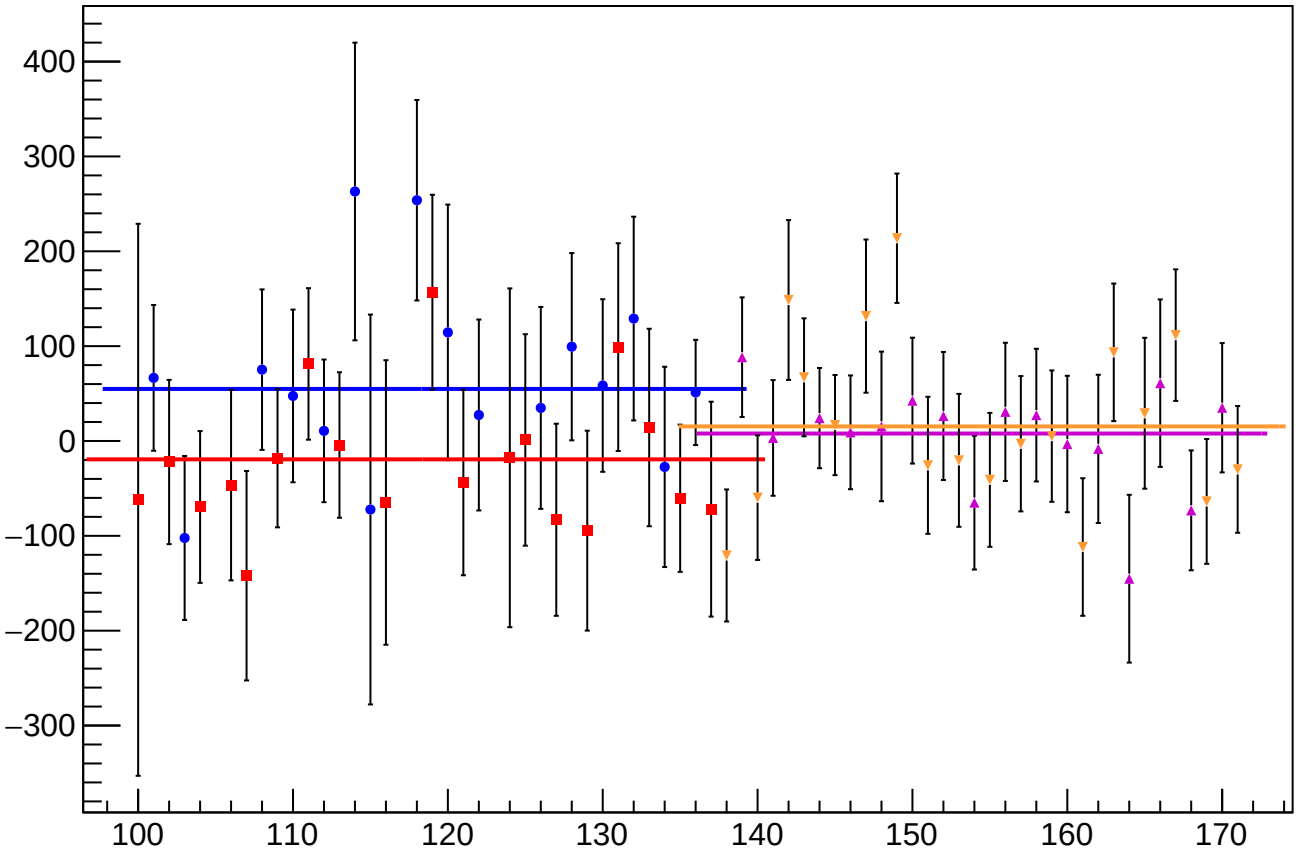
Left: 352.908+/-0.048 χ^2/NDF: 797668.1/33

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.714+/-0.055 χ^2/NDF:2120816.2/31

Out: 337.970+/-0.053 χ^2/NDF:2394851.1/36

All: 340.717+/-0.038 χ^2/NDF: 4521273.2/68



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: 7.858+/-17.059 χ^2/NDF:8.6/15

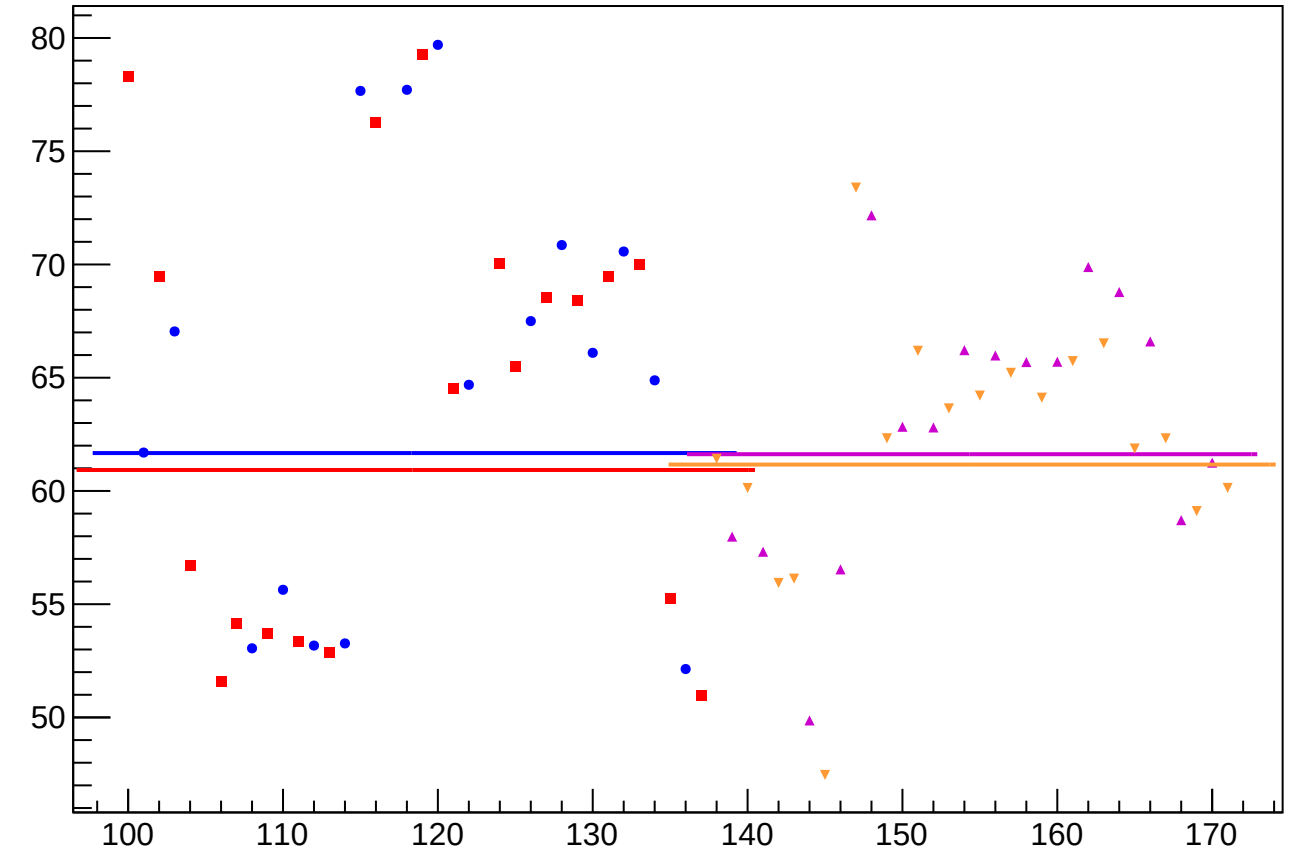
Left: 11.780+/-11.782 χ^2/NDF: 36.9/33

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 24.378+/-13.739 χ^2/NDF:22.2/31

Out: 3.479+/-13.214 χ^2/NDF:39.0/36

All: 13.521+/-9.524 χ^2/NDF: 62.4/68



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: 61.623+/-0.012 χ^2/NDF:242041.0/15

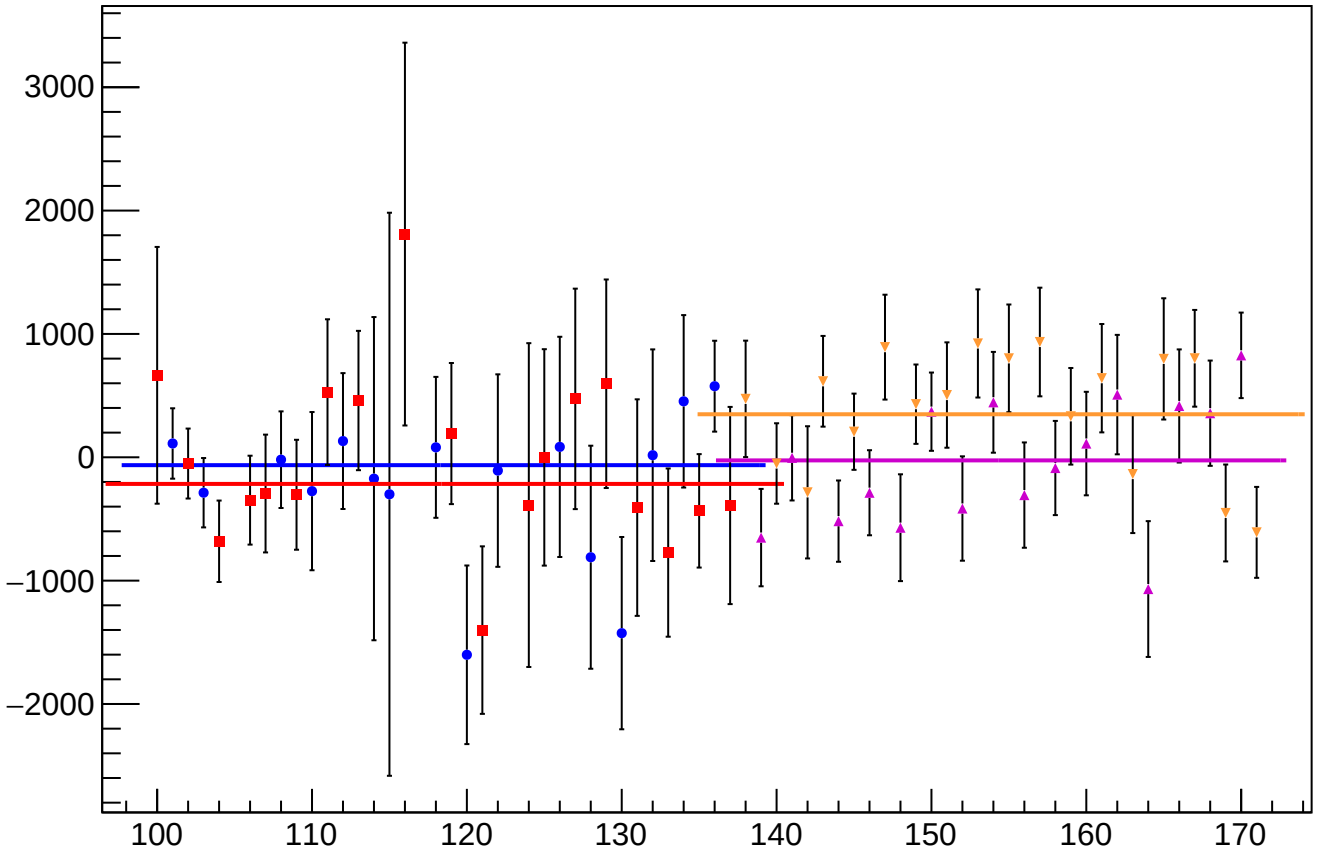
Left: 61.384+/-0.008 χ^2/NDF: 493412.6/33

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

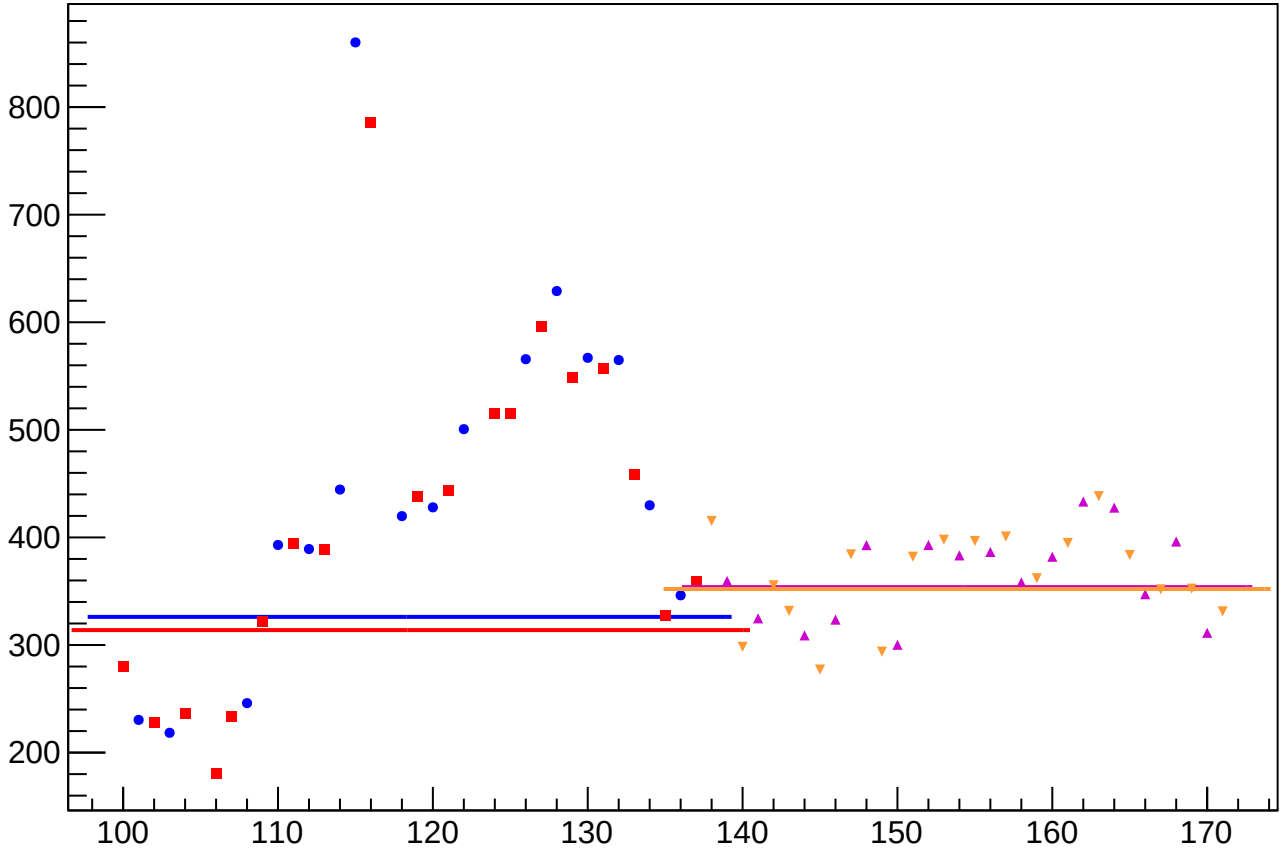
In: 61.640+/-0.010 χ^2/NDF:509155.4/31

Out: 61.084+/-0.009 χ^2/NDF:538350.6/36

All: 61.351+/-0.007 χ^2/NDF: 1049210.9/68


asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -63.820+/-129.675 χ²/NDF: 13.2/15
Left Out: 348.813+/-94.448 χ²/NDF:24.6/17
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -25.195+/-98.337 χ²/NDF:23.8/15
Left: 169.350+/-68.118 χ²/NDF: 56.0/33
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -39.298+/-78.355 χ²/NDF:37.0/31
Out: 140.394+/-75.022 χ²/NDF:51.9/36
All: 54.451+/-54.188 χ²/NDF: 91.7/68

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: 353.814+/-0.070 χ^2/NDF:329094.0/15

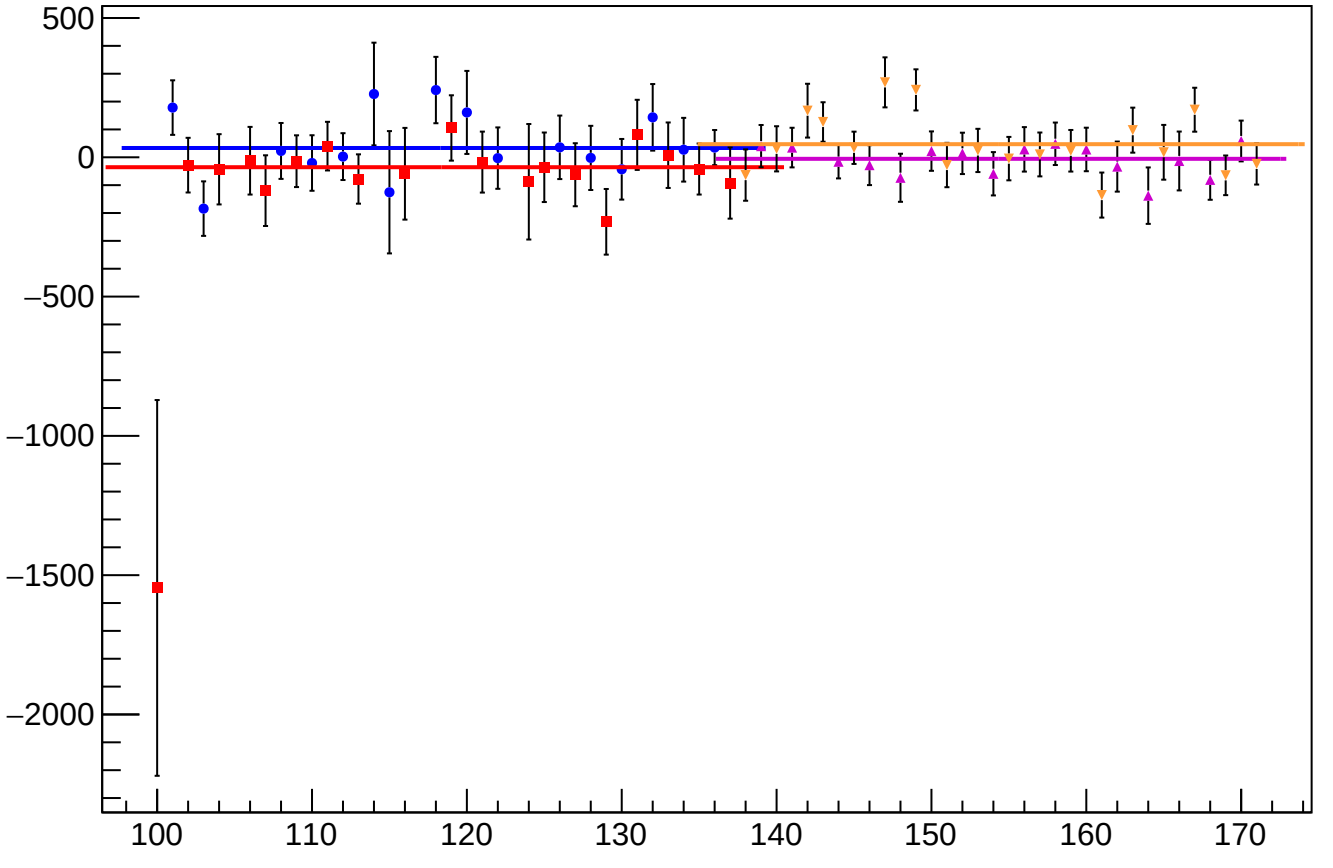
Left: 352.908+/-0.048 χ^2/NDF: 797668.1/33

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.714+/-0.055 χ^2/NDF:2120816.2/31

Out: 337.970+/-0.053 χ^2/NDF:2394851.1/36

All: 340.717+/-0.038 χ^2/NDF: 4521273.2/68



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: -5.481+/-19.203 χ^2/NDF:6.7/15

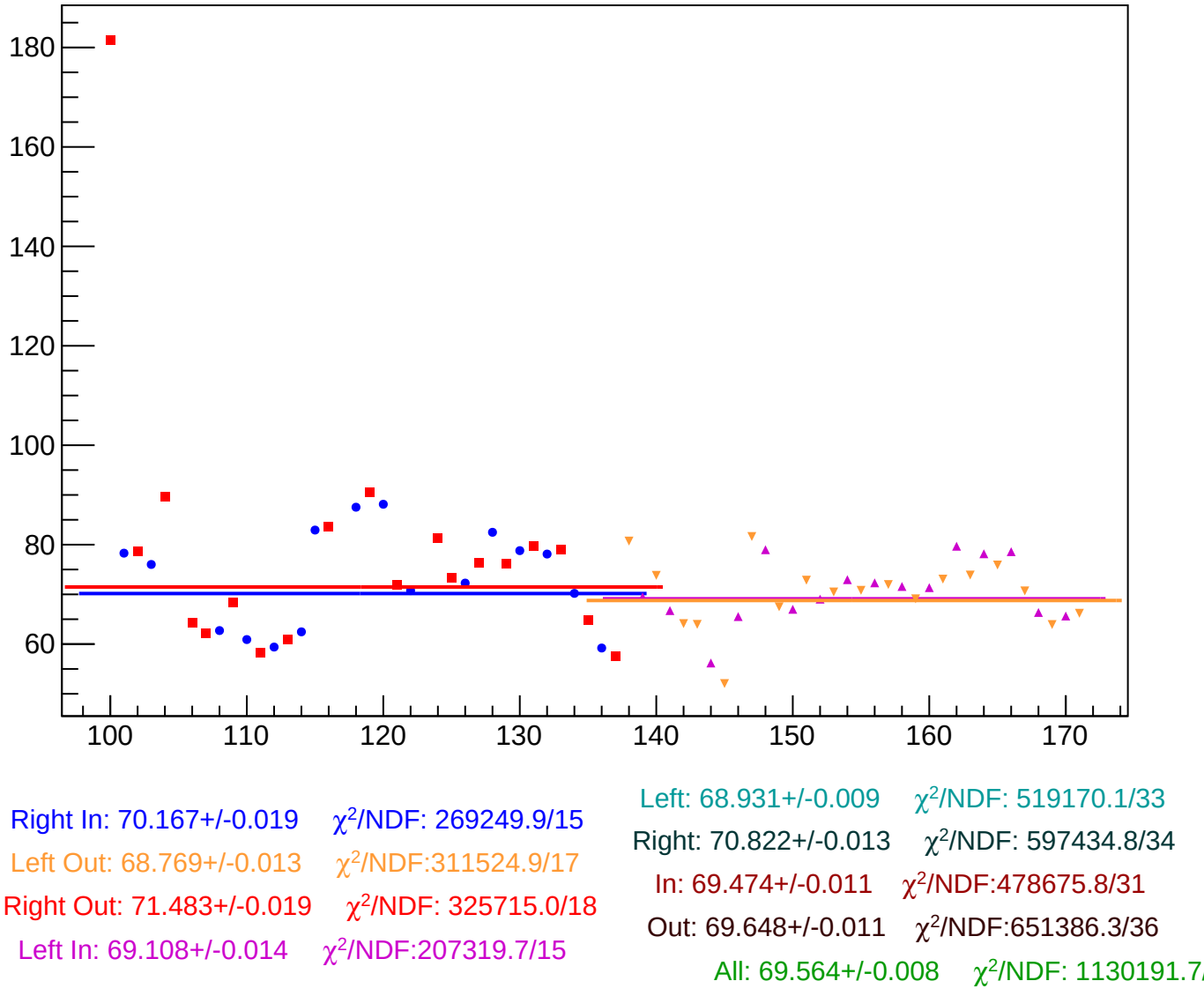
Left: 21.956+/-13.277 χ^2/NDF: 41.2/33

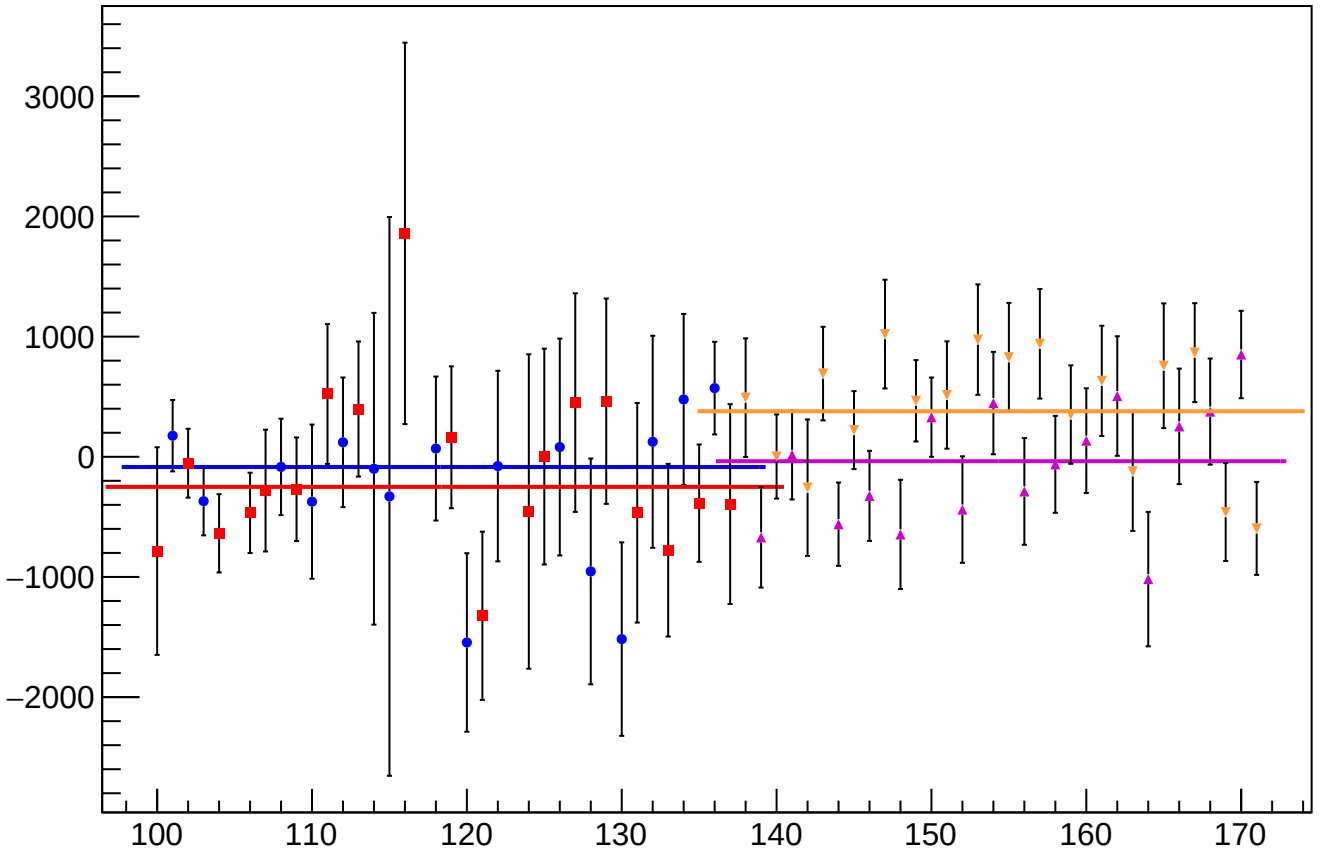
Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 7.963+/-15.532 χ^2/NDF:22.6/31

Out: 20.289+/-15.107 χ^2/NDF:49.2/36

All: 14.297+/-10.830 χ^2/NDF: 72.2/68


dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
180
160
140
120
100
80
60
100
110
120
130
140
150
160
170
Right In: 70.167+/-0.019 χ²/NDF: 269249.9/15
Left Out: 68.769+/-0.013 χ²/NDF:311524.9/17
Right Out: 71.483+/-0.019 χ²/NDF: 325715.0/18
Left In: 69.108+/-0.014 χ²/NDF:207319.7/15
Left: 68.931+/-0.009 χ²/NDF: 519170.1/33
Right: 70.822+/-0.013 χ²/NDF: 597434.8/34
In: 69.474+/-0.011 χ²/NDF:478675.8/31
Out: 69.648+/-0.011 χ²/NDF:651386.3/36
All: 69.564+/-0.008 χ²/NDF: 1130191.7/68



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: -36.971+/-103.254 χ^2/NDF:22.3/15

Left: 179.304+/-71.538 χ^2/NDF: 54.3/33

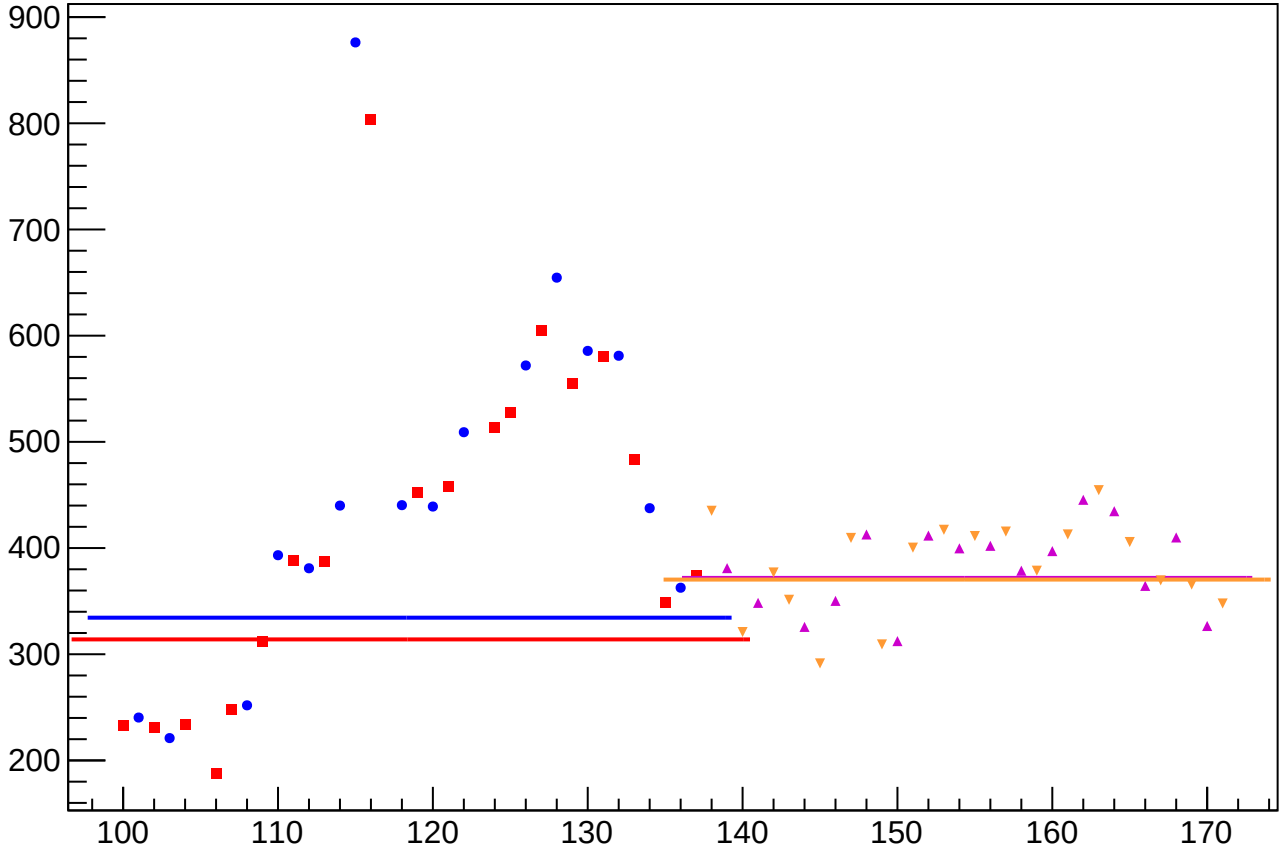
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -55.123+/-81.532 χ^2/NDF:36.1/31

Out: 131.624+/-77.295 χ^2/NDF:51.9/36

All: 43.229+/-56.094 χ^2/NDF: 90.7/68

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: 371.880+/-0.073 χ^2/NDF:288914.9/15

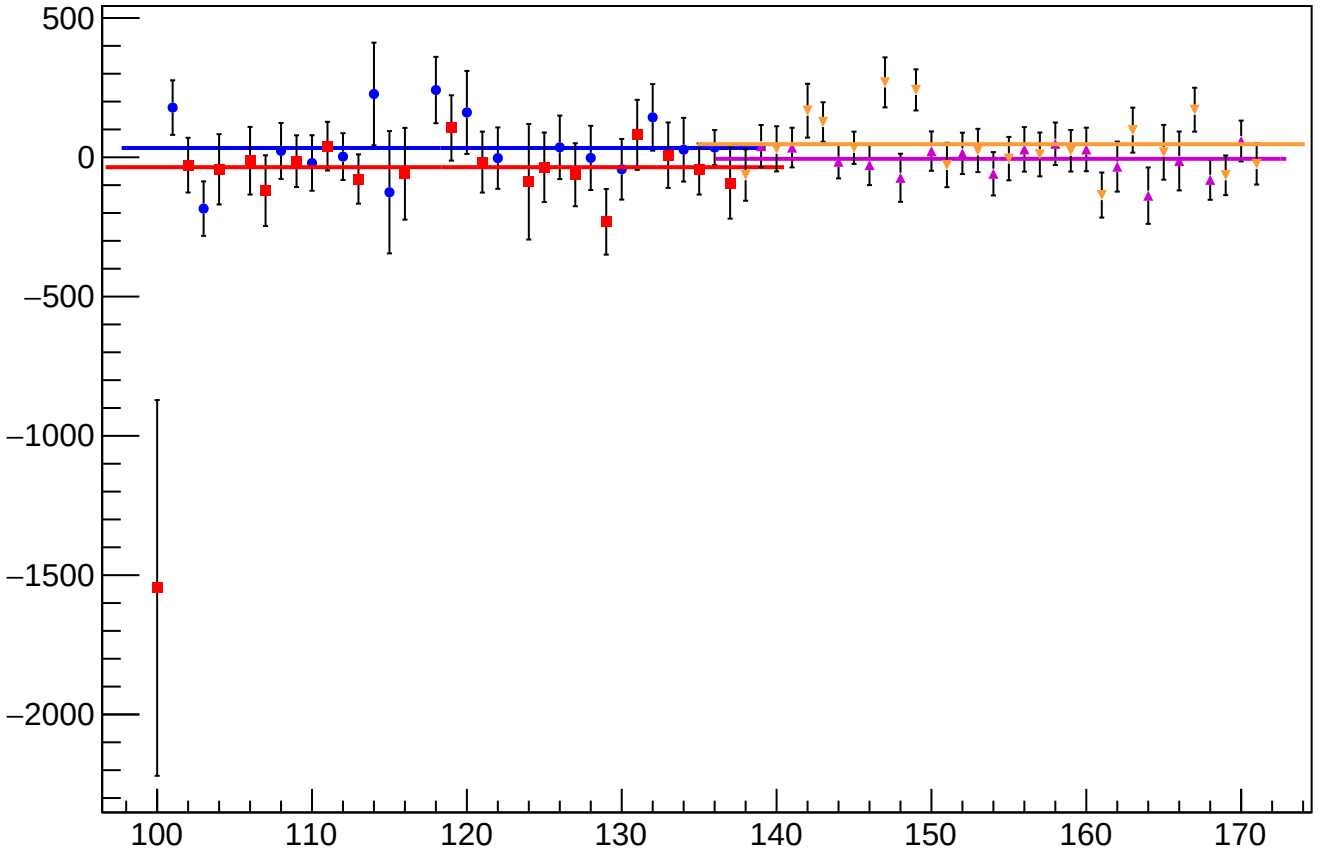
Left: 371.060+/-0.051 χ^2/NDF: 724980.9/33

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.781+/-0.058 χ^2/NDF:2118576.6/31

Out: 348.166+/-0.055 χ^2/NDF:2593834.5/36

All: 352.717+/-0.040 χ^2/NDF: 4727058.3/68



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: -5.481+/-19.203 χ^2/NDF:6.7/15

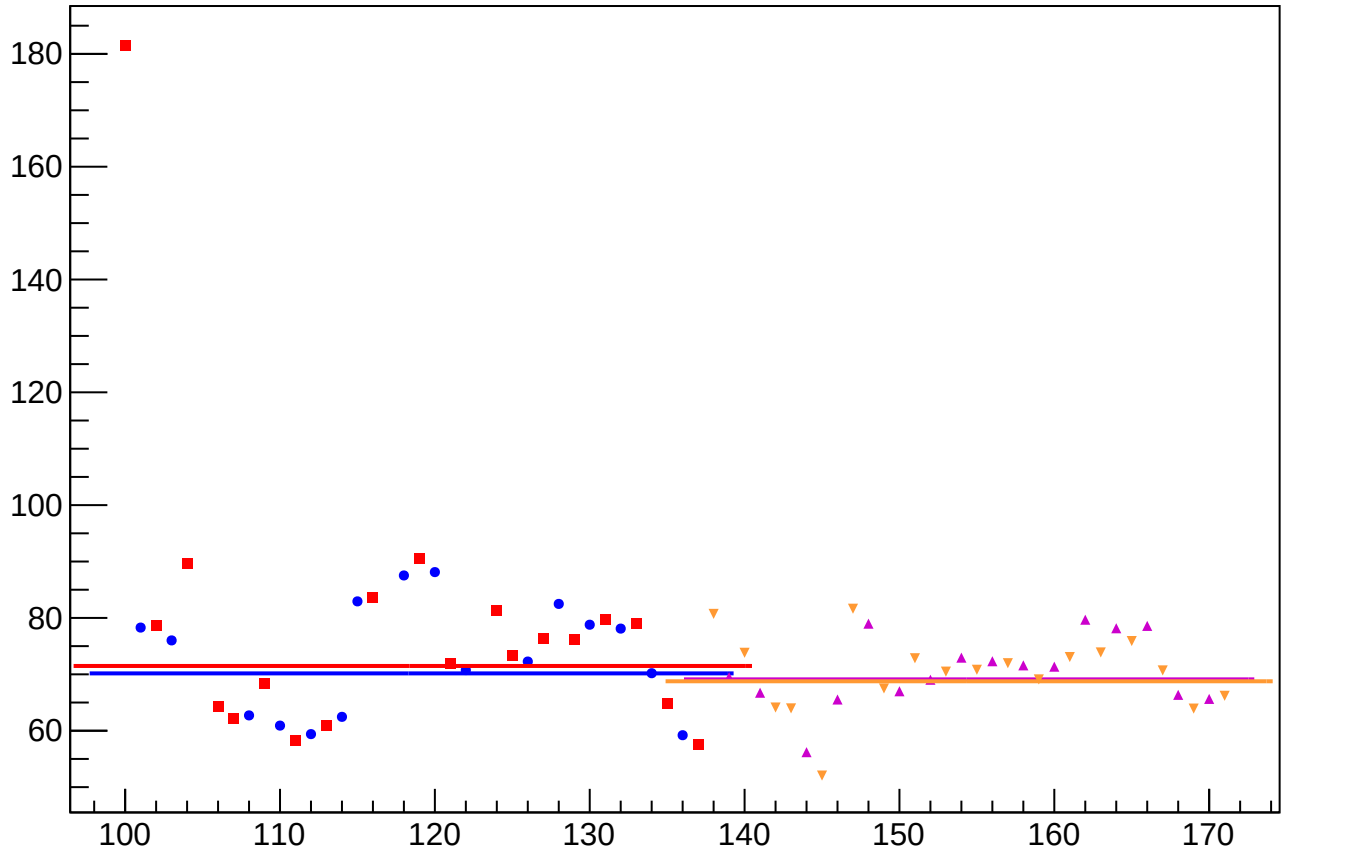
Left: 21.955+/-13.277 χ^2/NDF: 41.2/33

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 7.962+/-15.532 χ^2/NDF:22.6/31

Out: 20.288+/-15.107 χ^2/NDF:49.2/36

All: 14.296+/-10.830 χ^2/NDF: 72.2/68


eigen_dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected
180
160
140
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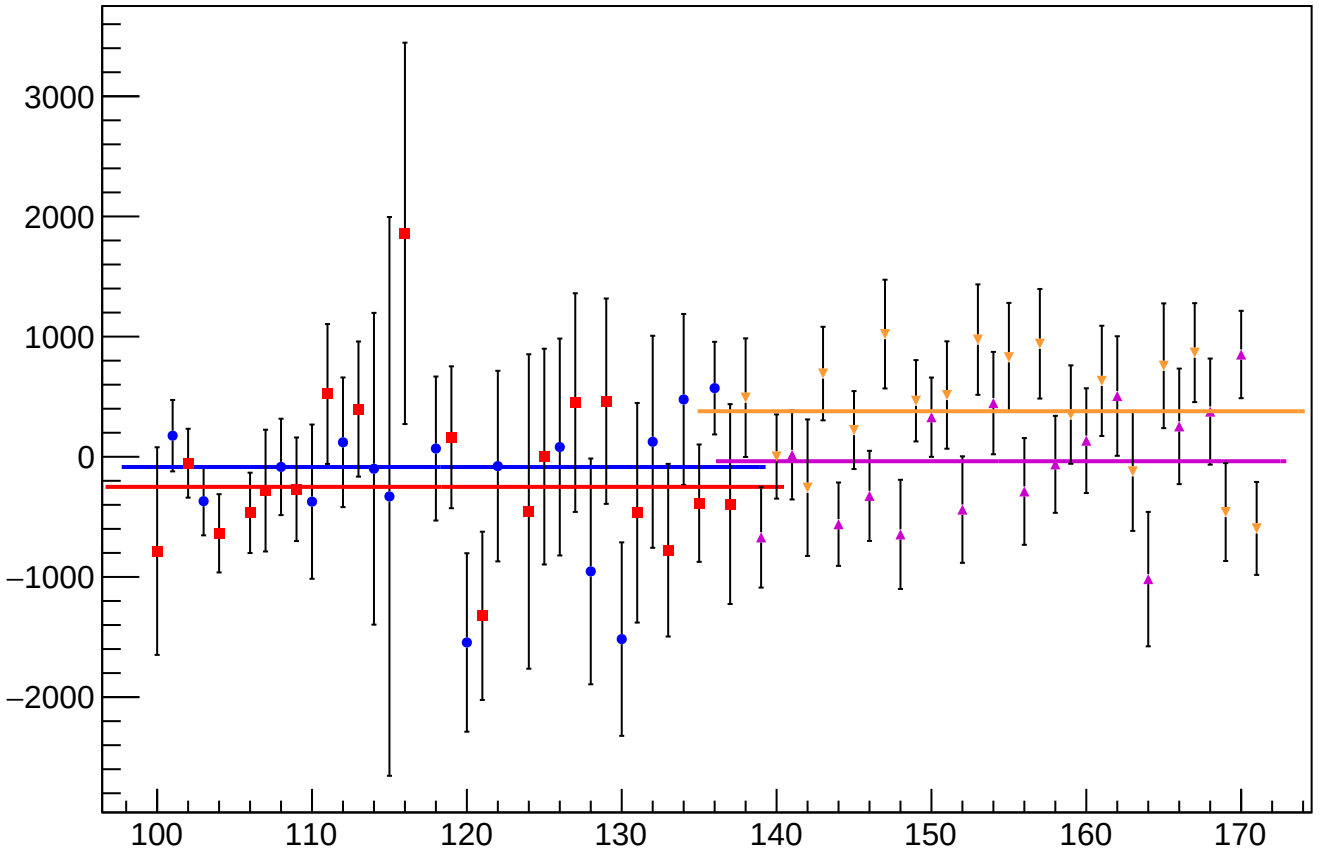
80
60
100
110
120
130
140
150
160
170
Right In: 70.167+/-0.019 χ²/NDF: 269253.0/15
Left Out: 68.768+/-0.013 χ²/NDF:311531.4/17
Right Out: 71.483+/-0.019 χ²/NDF: 325721.5/18
Left In: 69.107+/-0.014 χ²/NDF:207322.6/15
Left: 68.930+/-0.009 χ²/NDF: 519179.5/33
Right: 70.822+/-0.013 χ²/NDF: 597444.3/34
In: 69.474+/-0.011 χ²/NDF:478682.4/31
Out: 69.648+/-0.011 χ²/NDF:651400.4/36
All: 69.564+/-0.008 χ²/NDF: 1130212.4/68



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: -36.970+/-103.254 χ^2/NDF:22.3/15

Left: 179.304+/-71.538 χ^2/NDF: 54.3/33

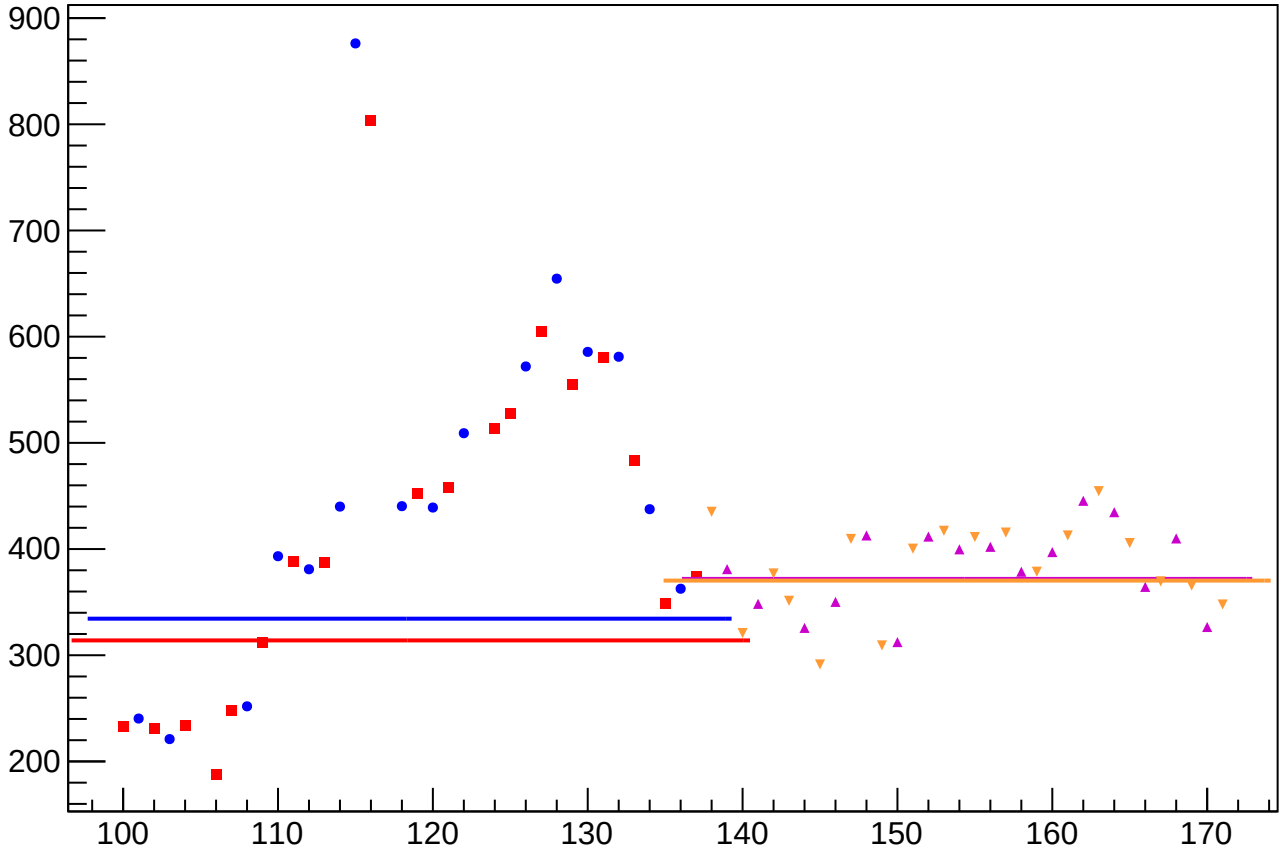
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -55.123+/-81.532 χ^2/NDF:36.1/31

Out: 131.624+/-77.295 χ^2/NDF:51.9/36

All: 43.229+/-56.094 χ^2/NDF: 90.7/68

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: 371.880+/-0.073 χ^2/NDF:288915.7/15

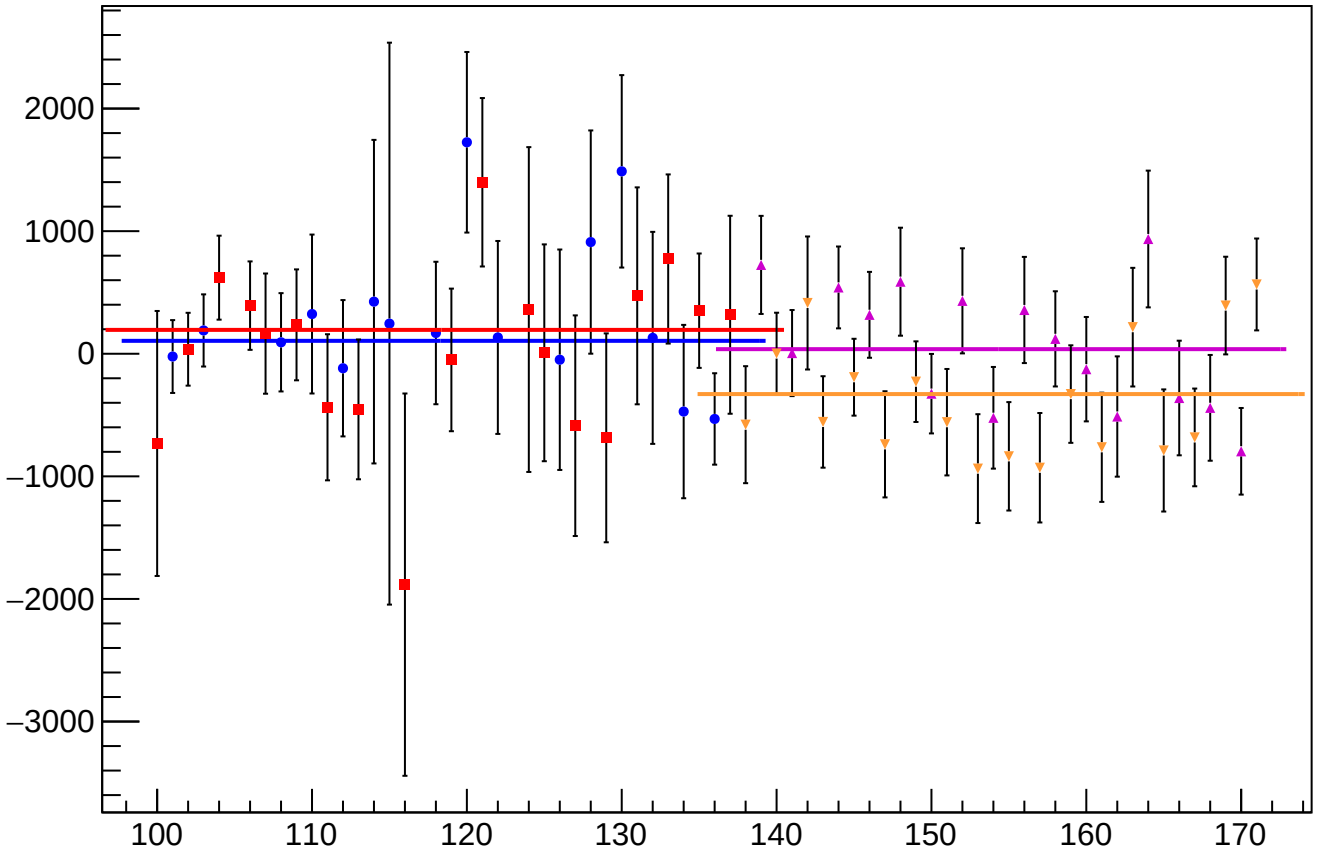
Left: 371.060+/-0.051 χ^2/NDF: 724985.8/33

Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.781+/-0.058 χ^2/NDF:2118574.3/31

Out: 348.166+/-0.055 χ^2/NDF:2593835.0/36

All: 352.717+/-0.040 χ^2/NDF: 4727057.0/68



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: 37.519+/-99.891 χ^2/NDF:23.5/15

Left: -153.094+/-69.193 χ^2/NDF: 53.3/33

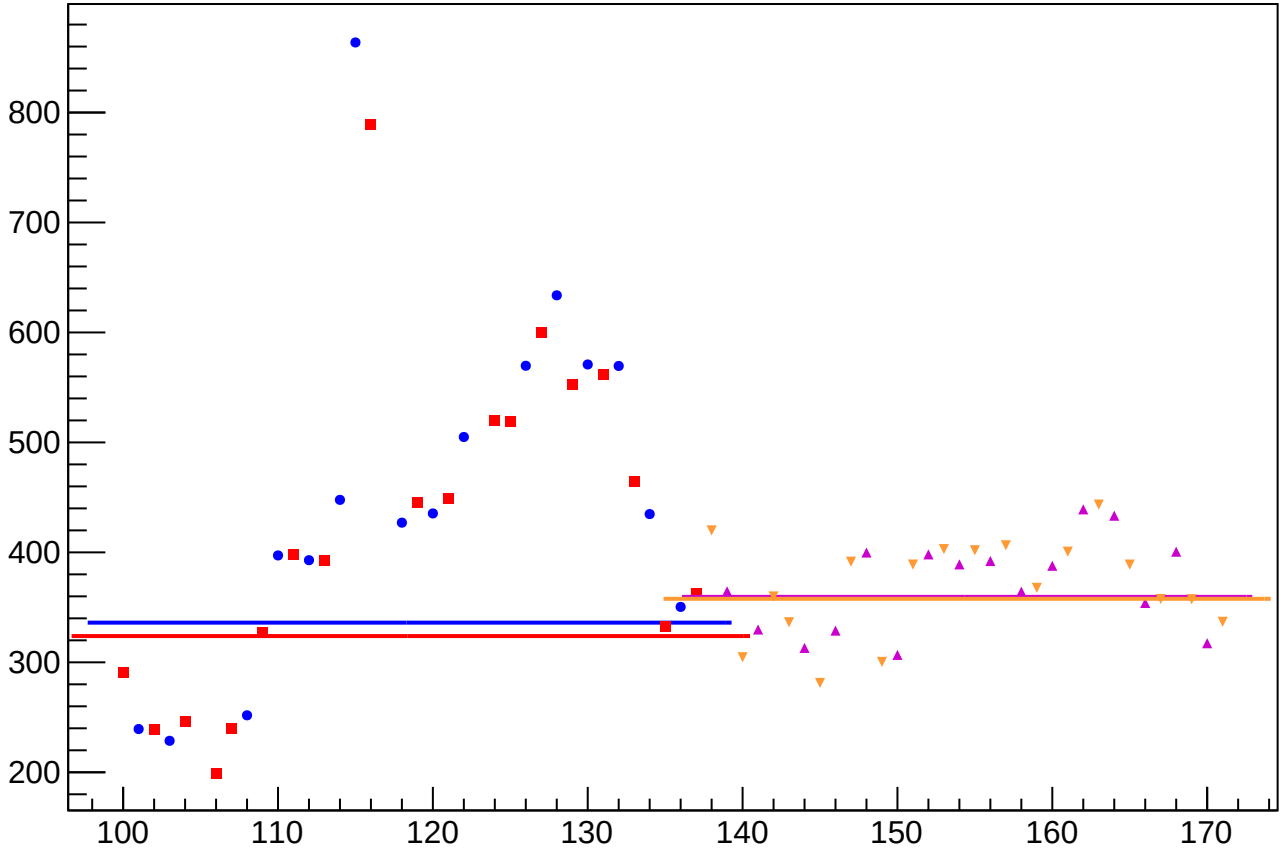
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 61.986+/-79.882 χ^2/NDF:36.6/31

Out: -137.135+/-76.373 χ^2/NDF:46.9/36

All: -42.044+/-55.203 χ^2/NDF: 86.7/68

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: 359.527+/-0.071 χ^2/NDF:319795.3/15

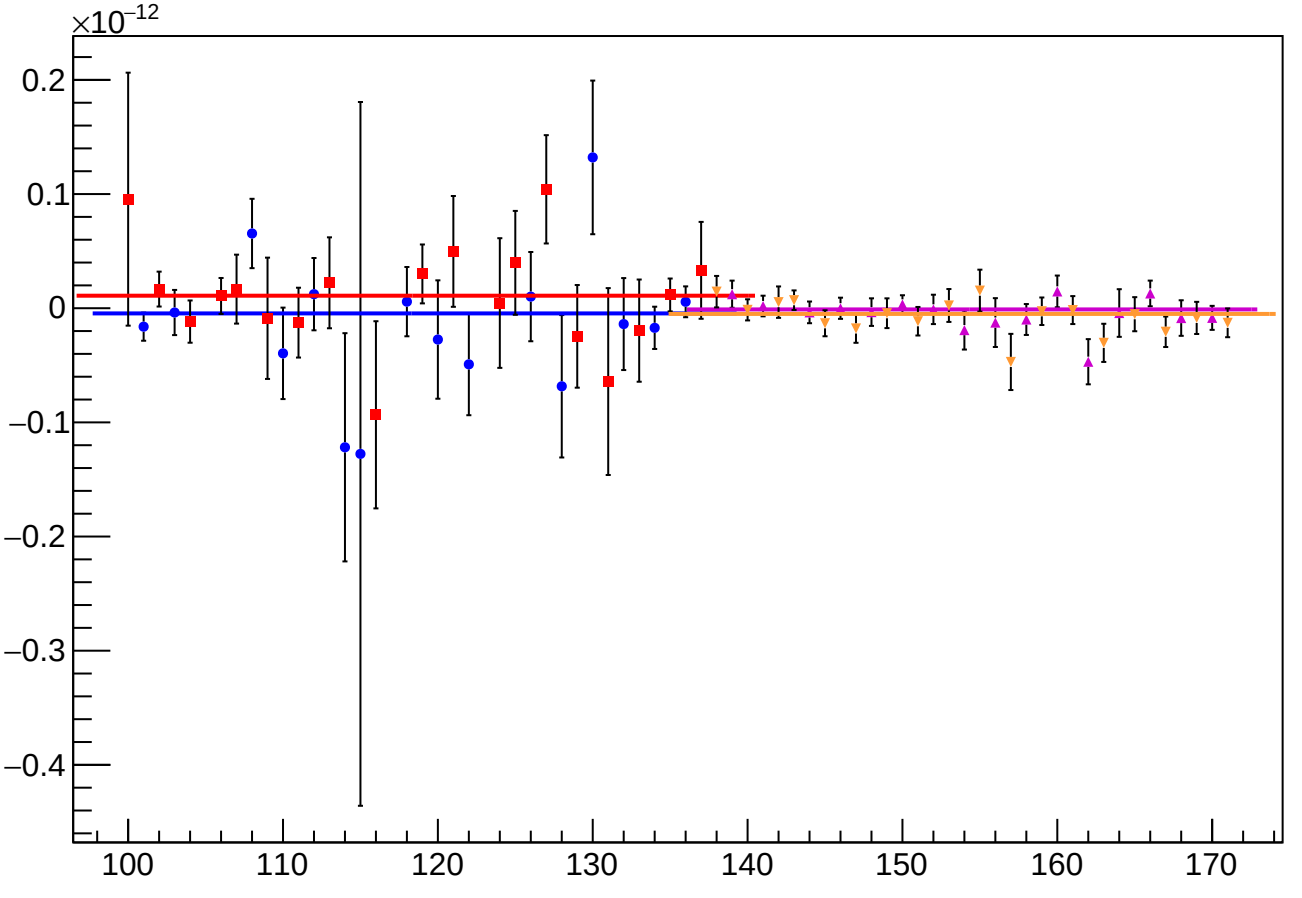
Left: 358.616+/-0.049 χ^2/NDF: 775192.7/33

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 351.079+/-0.056 χ^2/NDF:1978474.0/31

Out: 345.364+/-0.054 χ^2/NDF:2211910.9/36

All: 348.093+/-0.039 χ^2/NDF: 4195732.8/68



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:12.6/15

Left: -0.000+/-0.000 χ^2/NDF: 28.6/33

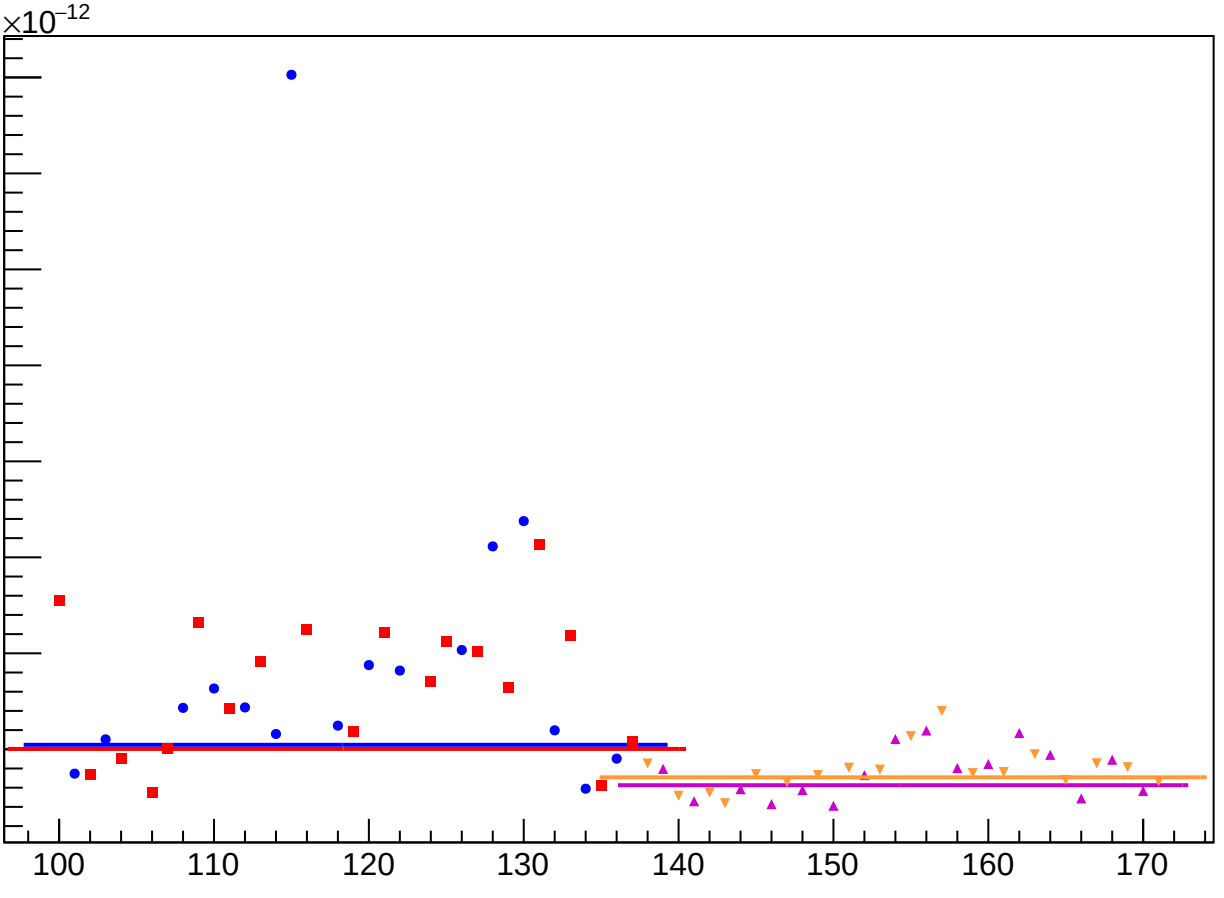
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:29.3/31

Out: -0.000+/-0.000 χ^2/NDF:32.6/36

All: -0.000+/-0.000 χ^2/NDF: 61.9/68

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:1040533.6/15

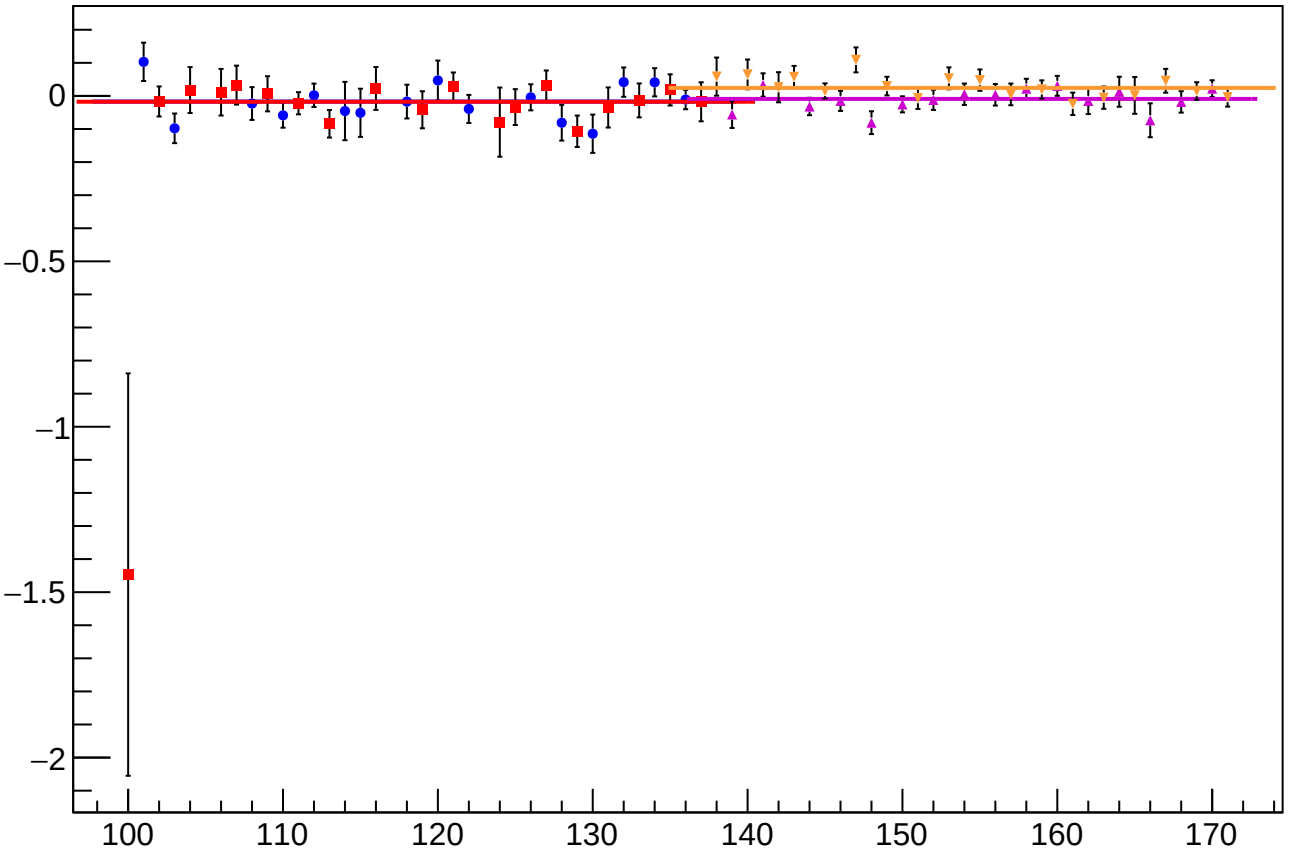
Left: 0.000+/-0.000 χ^2/NDF: 1825954.7/33

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2927249.2/31

Out: 0.000+/-0.000 χ^2/NDF:2474513.2/36

All: 0.000+/-0.000 χ^2/NDF: 5453247.1/68



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: -0.009+/-0.008 χ^2/NDF:15.0/15

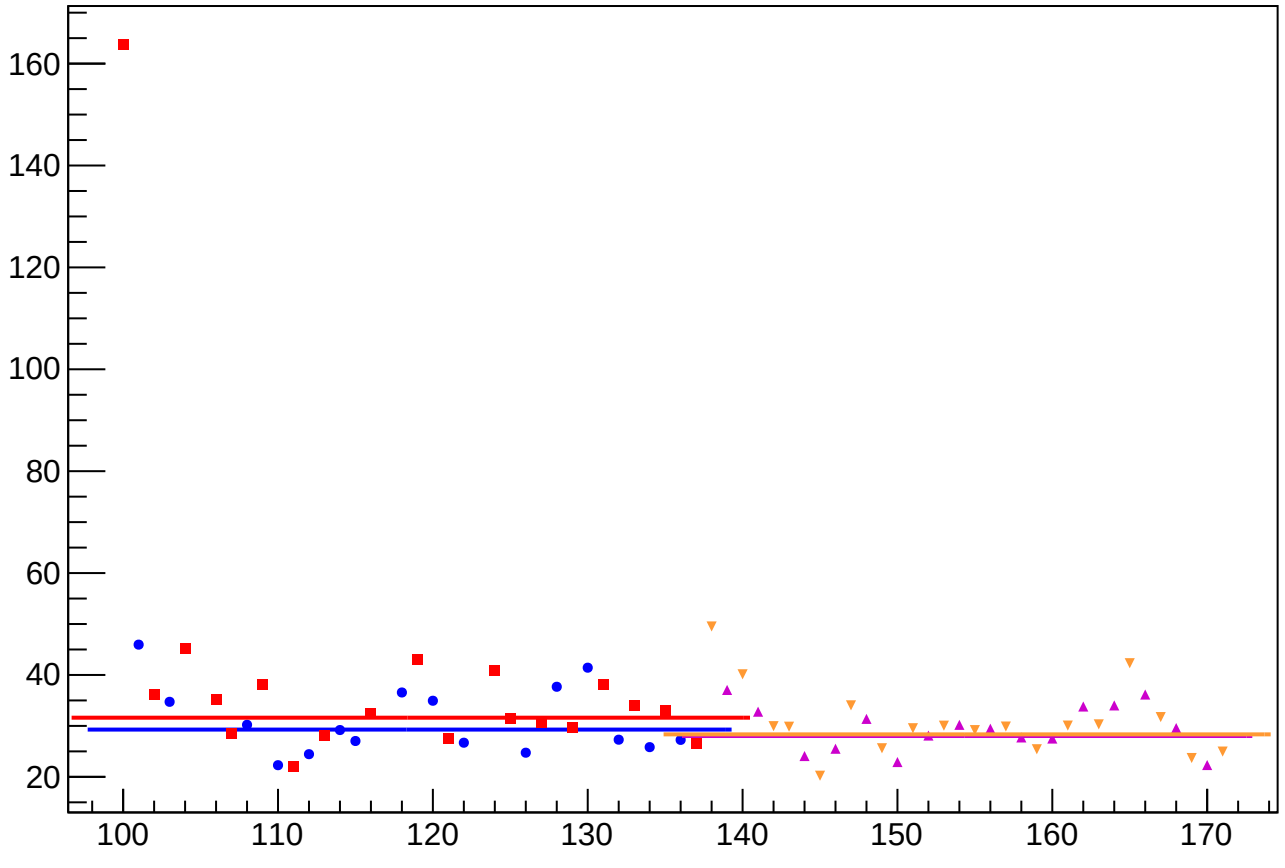
Left: 0.008+/-0.006 χ^2/NDF: 38.3/33

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: 0.000+/-0.005 χ^2/NDF: 80.4/68



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: 28.016+/-0.006 χ^2/NDF:548902.8/15

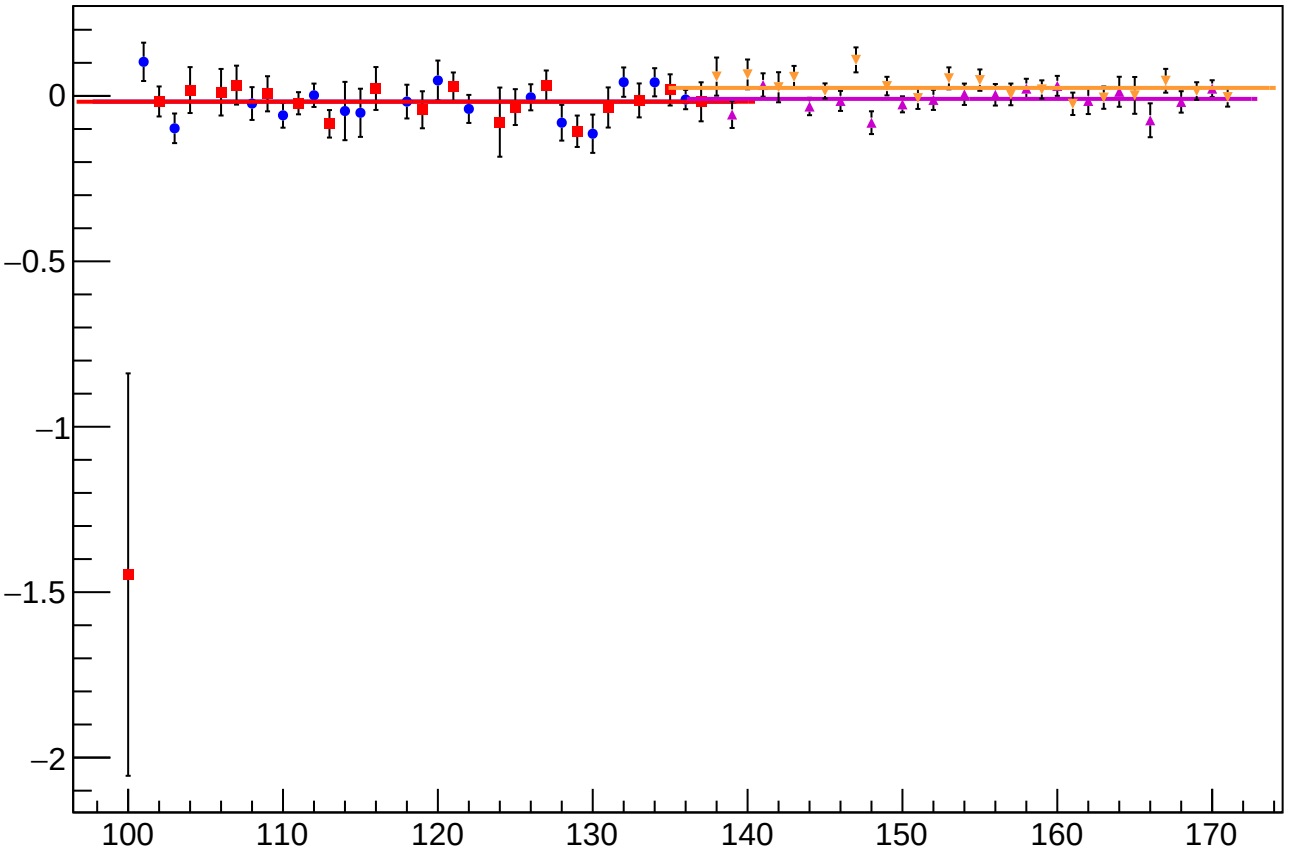
Left: 28.182+/-0.004 χ^2/NDF: 1563249.1/33

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.433+/-0.005 χ^2/NDF:1126141.1/31

Out: 29.293+/-0.005 χ^2/NDF:1688610.5/36

All: 28.863+/-0.003 χ^2/NDF: 2832099.4/68



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: -0.009+/-0.008 χ^2/NDF:15.0/15

Left: 0.008+/-0.006 χ^2/NDF: 38.3/33

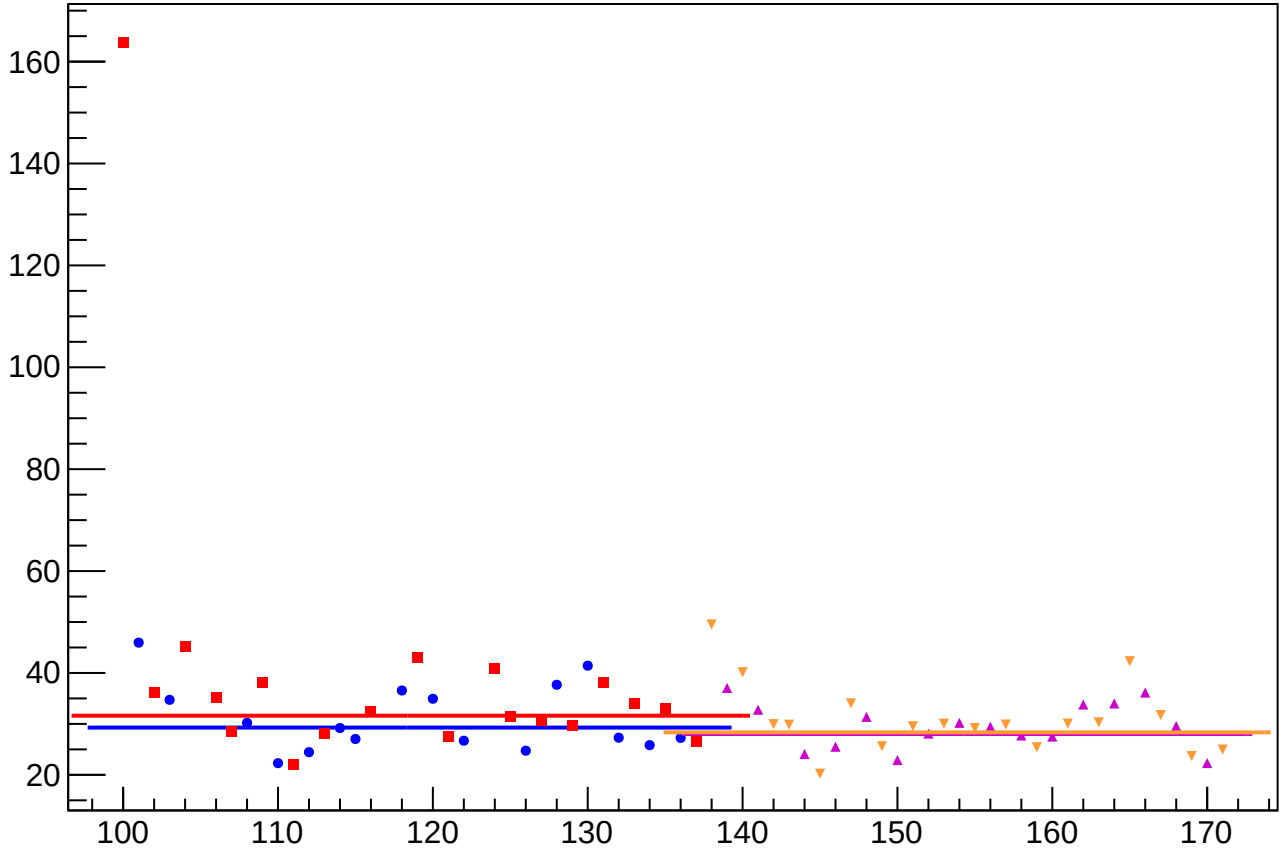
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: 0.000+/-0.005 χ^2/NDF: 80.4/68

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: 28.016+/-0.006 χ^2/NDF:548902.8/15

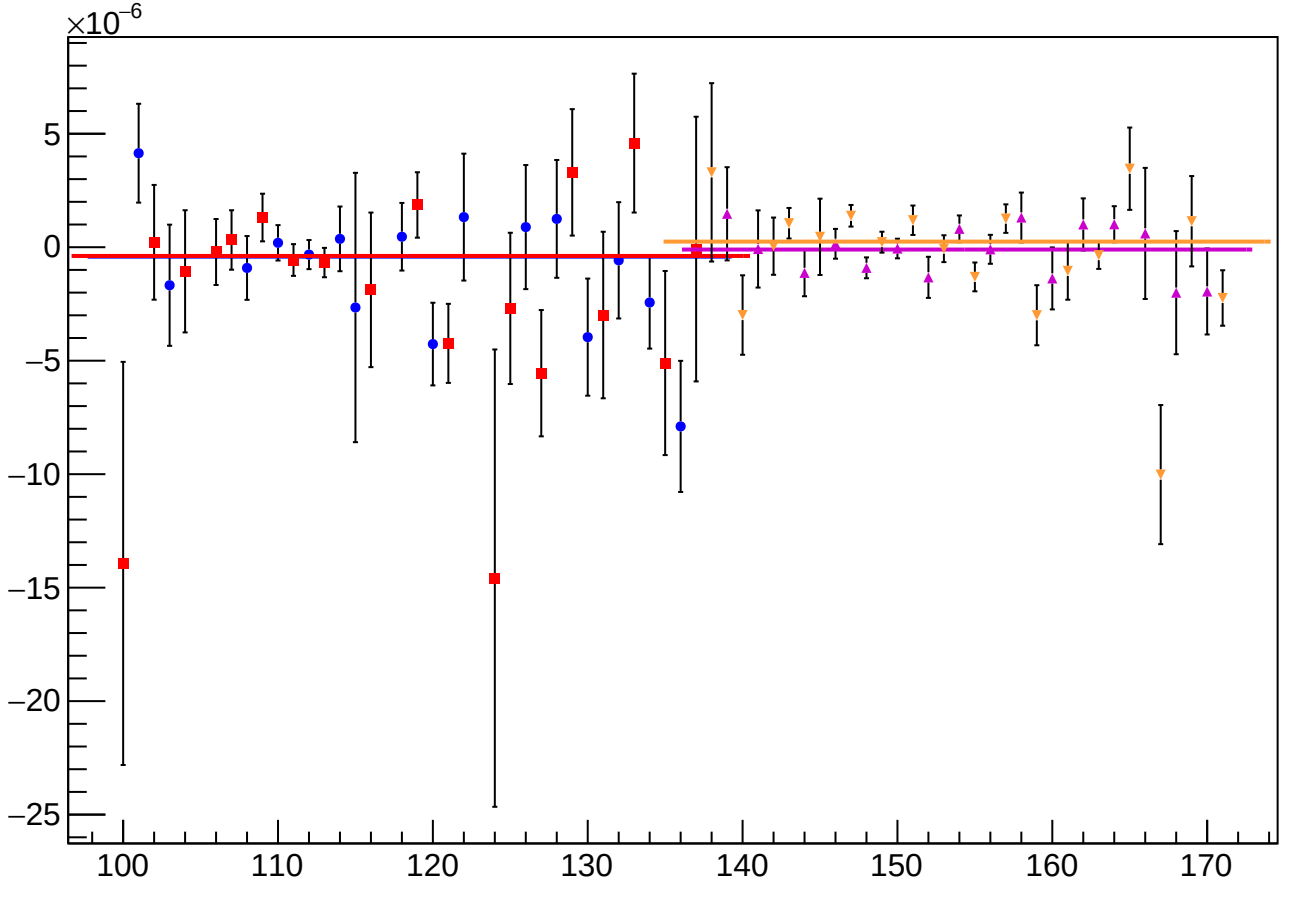
Left: 28.182+/-0.004 χ^2/NDF: 1563249.1/33

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.433+/-0.005 χ^2/NDF:1126141.1/31

Out: 29.293+/-0.005 χ^2/NDF:1688610.5/36

All: 28.863+/-0.003 χ^2/NDF: 2832099.4/68



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:15.9/15

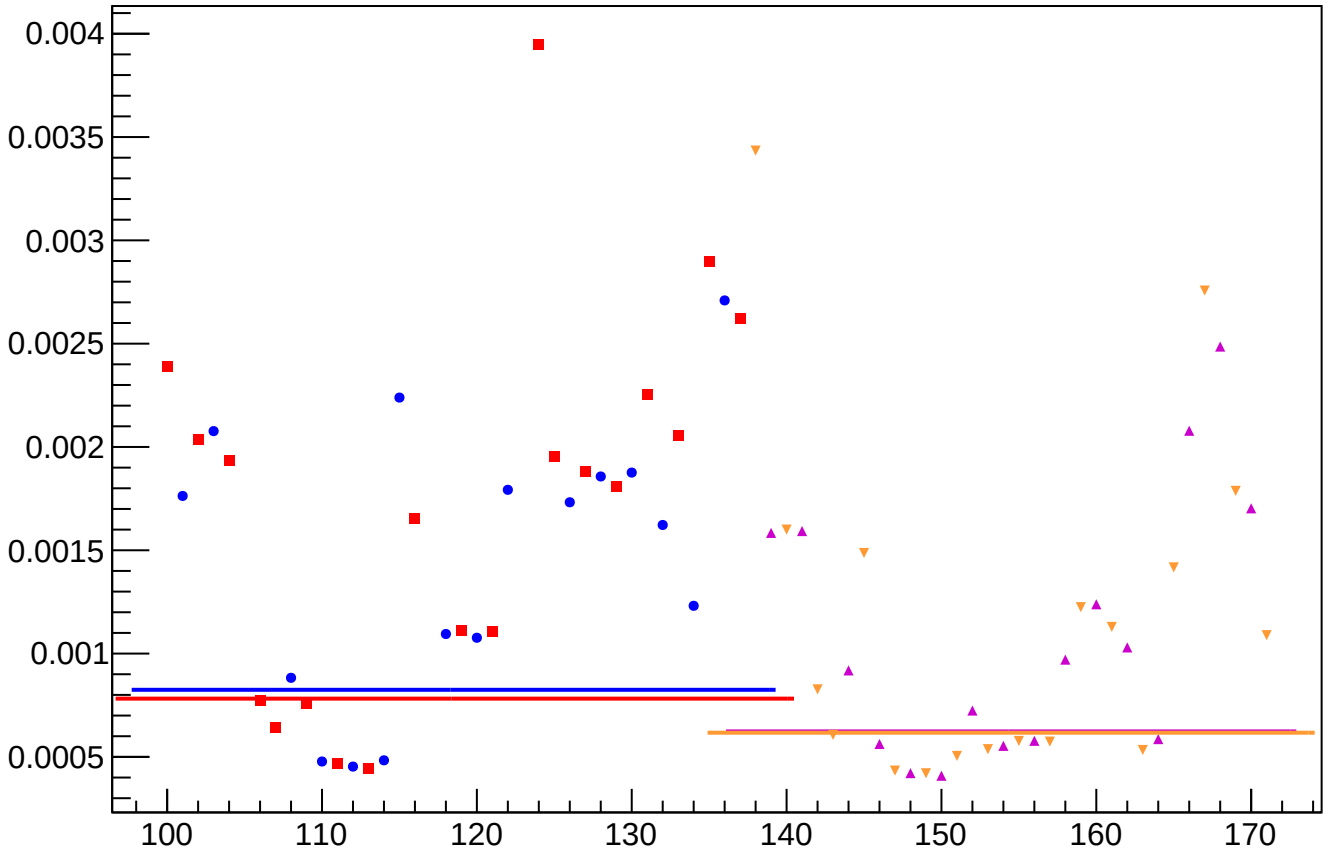
Left: 0.000+/-0.000 χ^2/NDF: 66.5/33

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:37.7/31

Out: 0.000+/-0.000 χ^2/NDF:76.7/36

All: -0.000+/-0.000 χ^2/NDF: 115.8/68



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:5171735.0/15

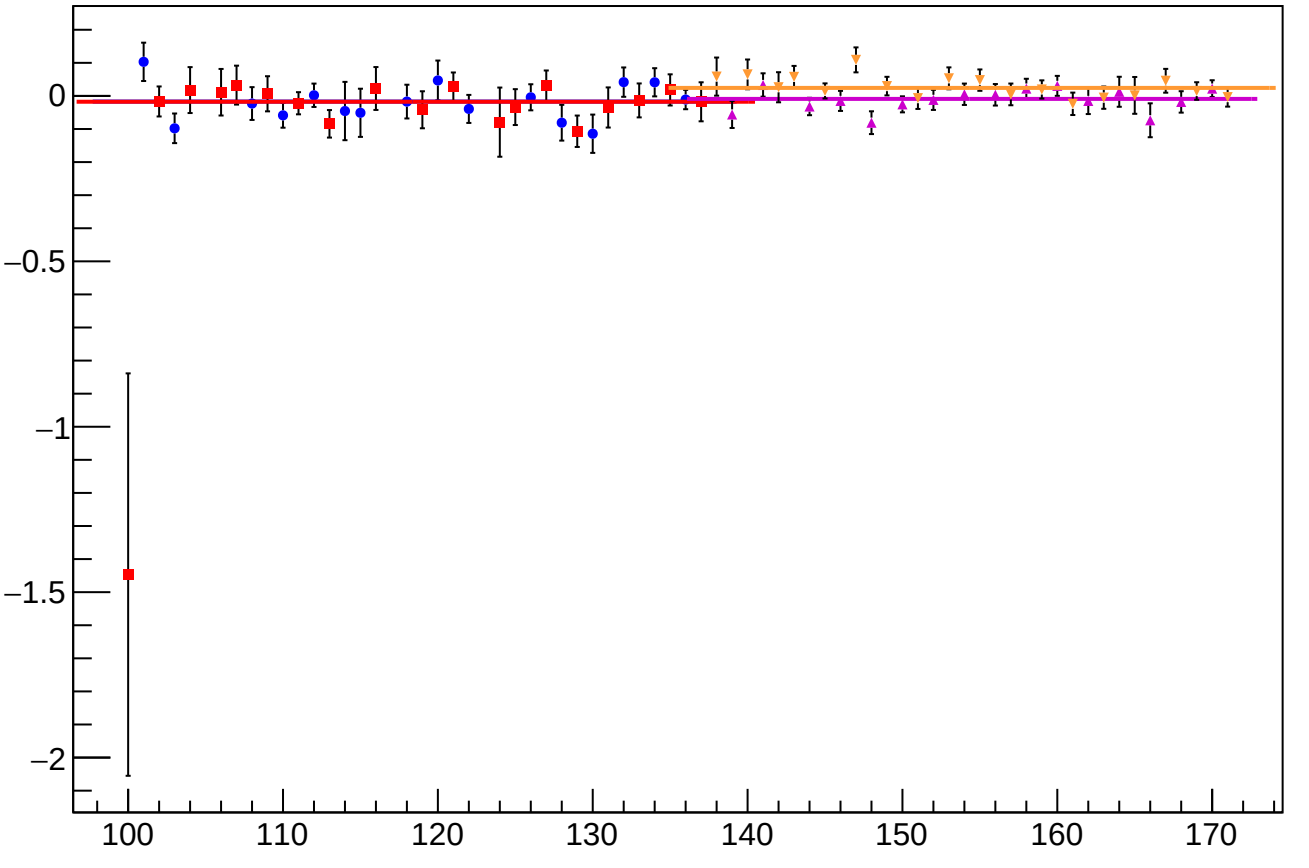
Left: 0.001+/-0.000 χ^2/NDF: 11337157.6/33

Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:10076638.4/31

Out: 0.001+/-0.000 χ^2/NDF:11149240.0/36

All: 0.001+/-0.000 χ^2/NDF: 21233383.6/68



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: -0.009+/-0.008 χ^2/NDF:15.0/15

Left: 0.008+/-0.006 χ^2/NDF: 38.3/33

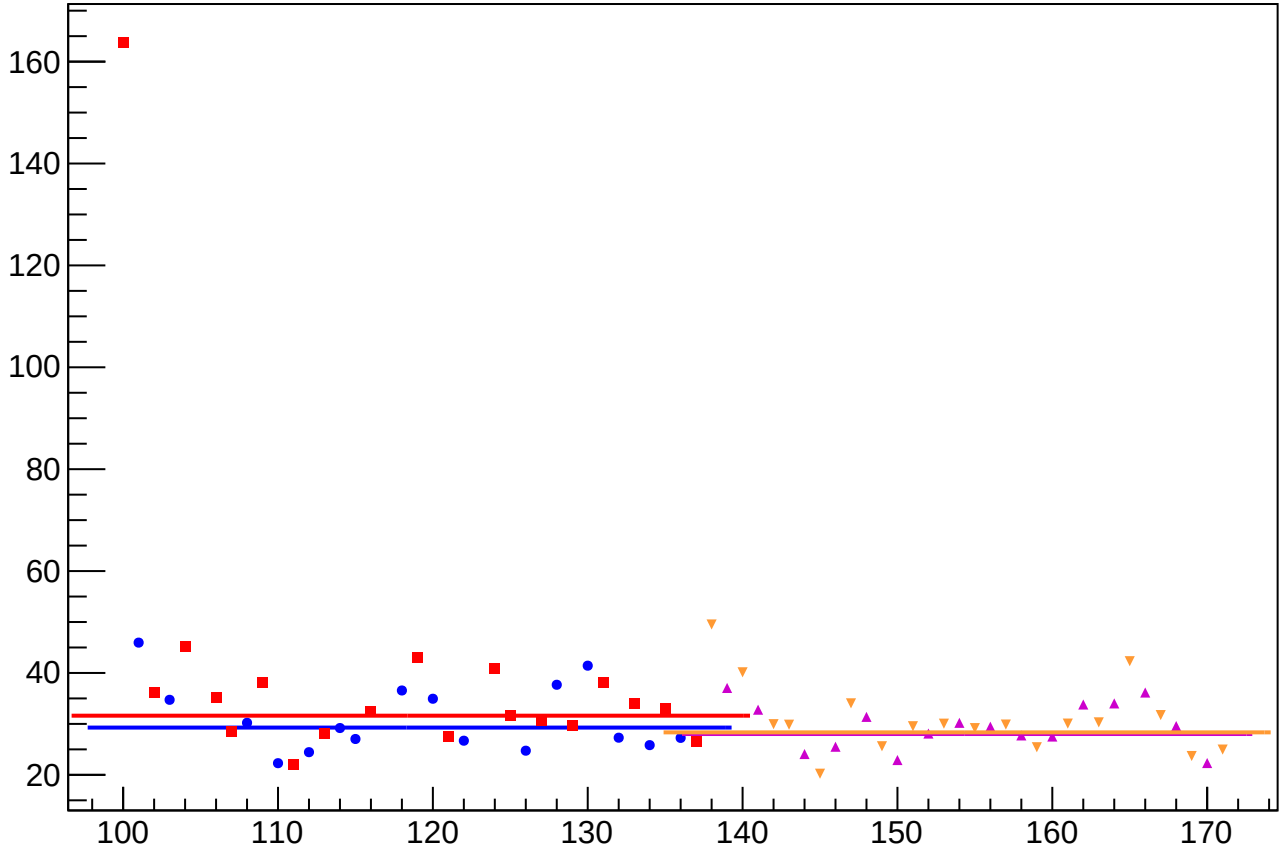
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: 0.000+/-0.005 χ^2/NDF: 80.4/68

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: 28.015+/-0.006 χ^2/NDF:548900.9/15

Left: 28.182+/-0.004 χ^2/NDF: 1563313.4/33

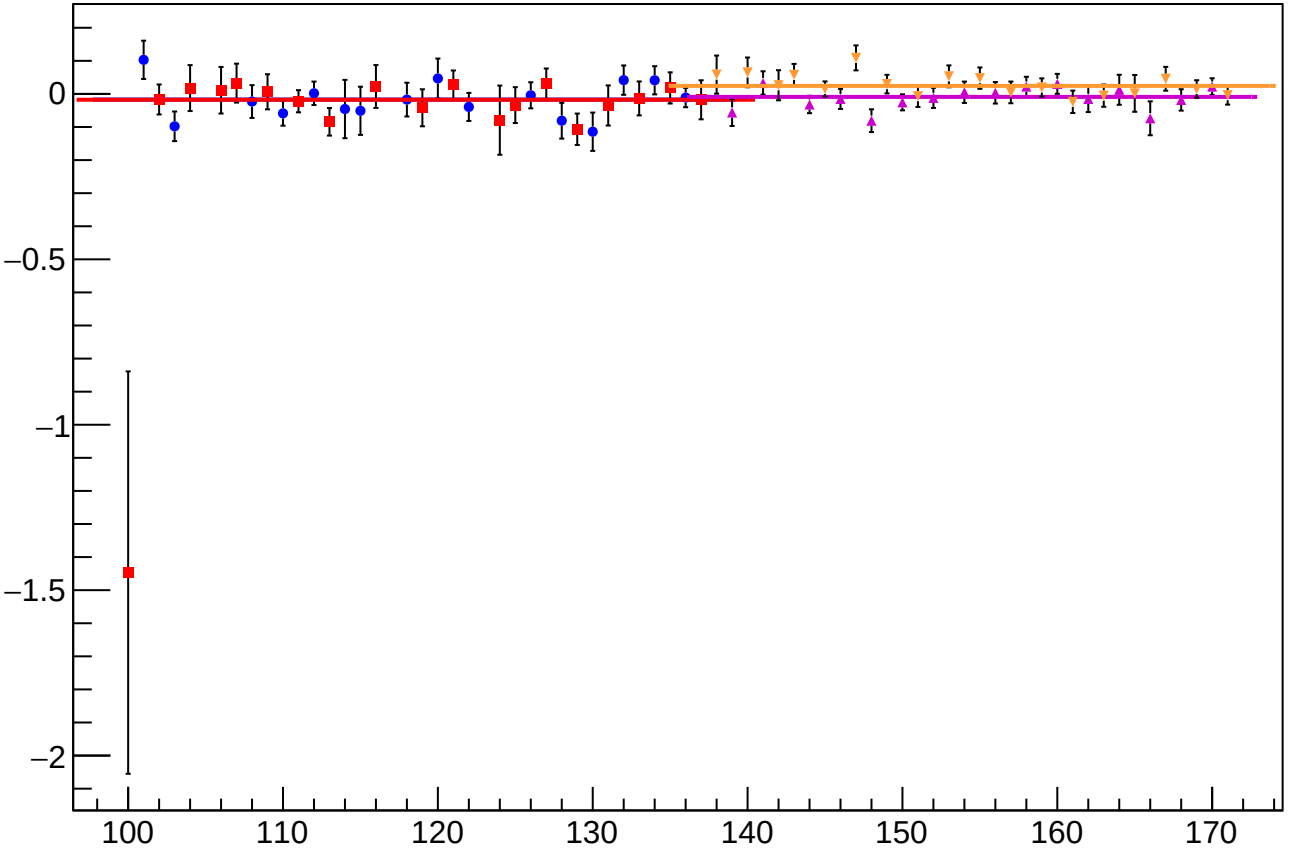
Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.433+/-0.005 χ^2/NDF:1126146.9/31

Out: 29.293+/-0.005 χ^2/NDF:1688704.4/36

All: 28.863+/-0.003 χ^2/NDF: 2832198.5/68

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.024+/-0.008 χ^2/NDF:14.4/17

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.009+/-0.008 χ^2/NDF:15.0/15

Left: 0.008+/-0.006 χ^2/NDF: 38.3/33

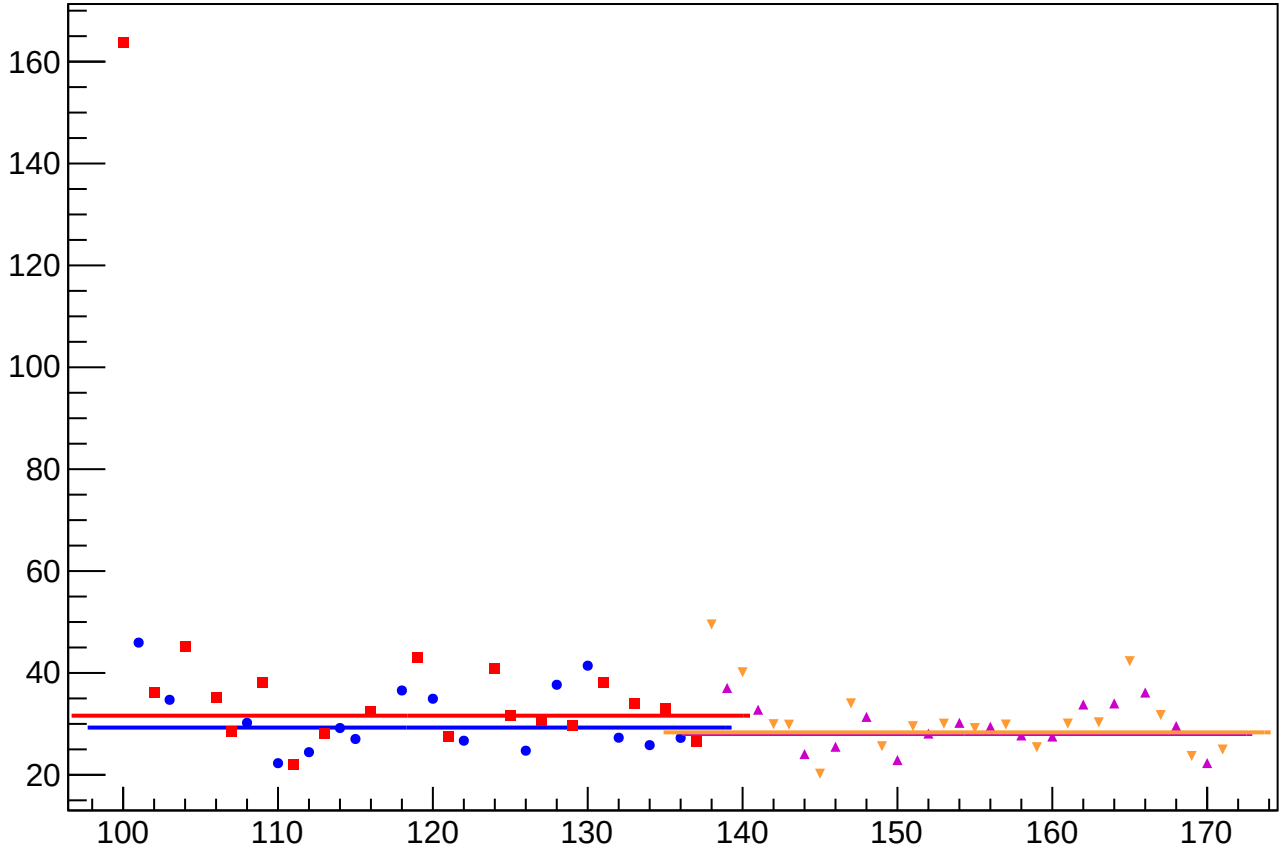
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.007 χ^2/NDF:34.1/31

Out: 0.012+/-0.007 χ^2/NDF:39.7/36

All: 0.000+/-0.005 χ^2/NDF: 80.4/68

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: 28.015+/-0.006 χ^2/NDF:548900.9/15

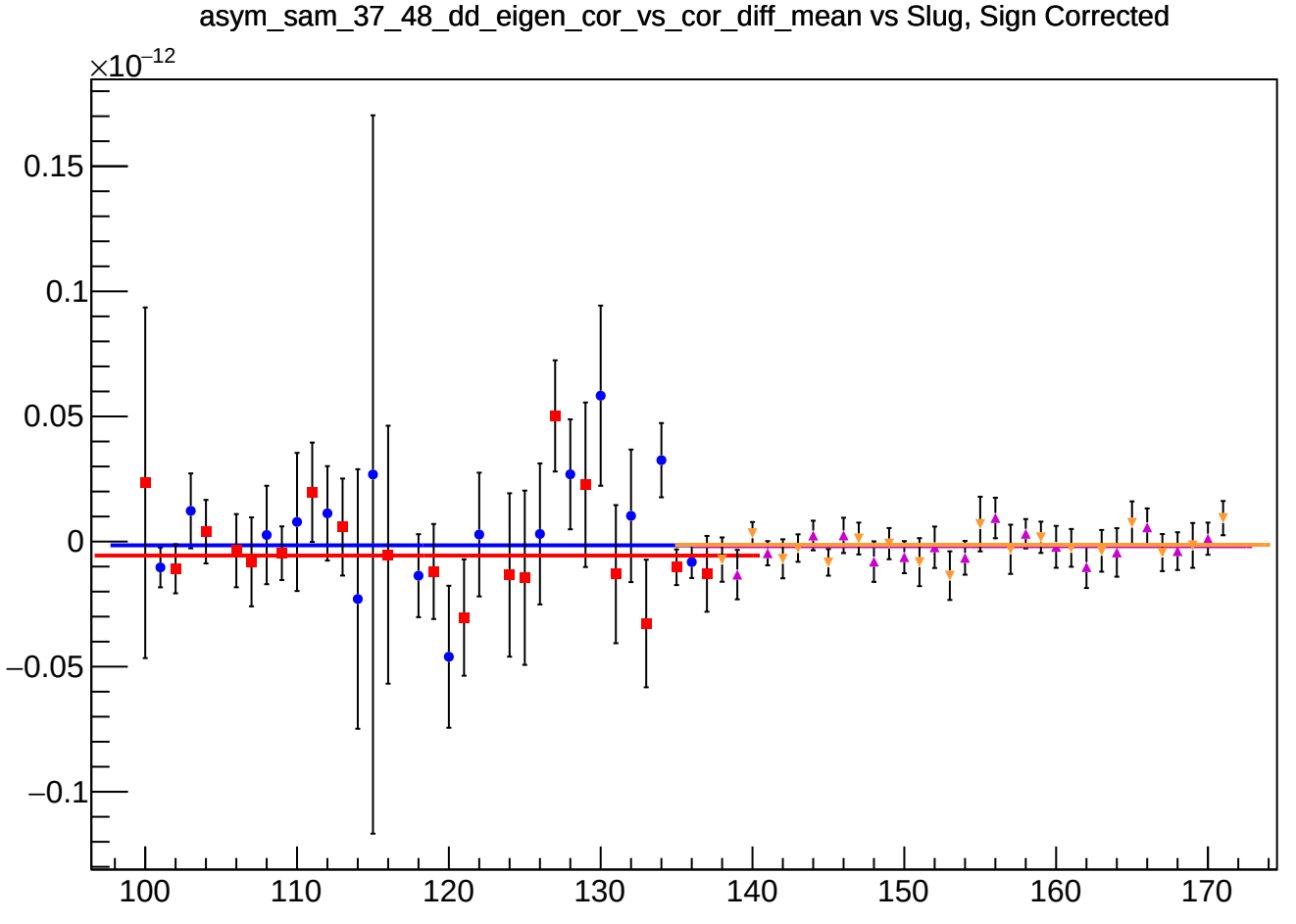
Left: 28.182+/-0.004 χ^2/NDF: 1563313.4/33

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.433+/-0.005 χ^2/NDF:1126146.9/31

Out: 29.293+/-0.005 χ^2/NDF:1688704.4/36

All: 28.863+/-0.003 χ^2/NDF: 2832198.5/68



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:9.1/15

Left: -0.000+/-0.000 χ^2/NDF: 19.8/33

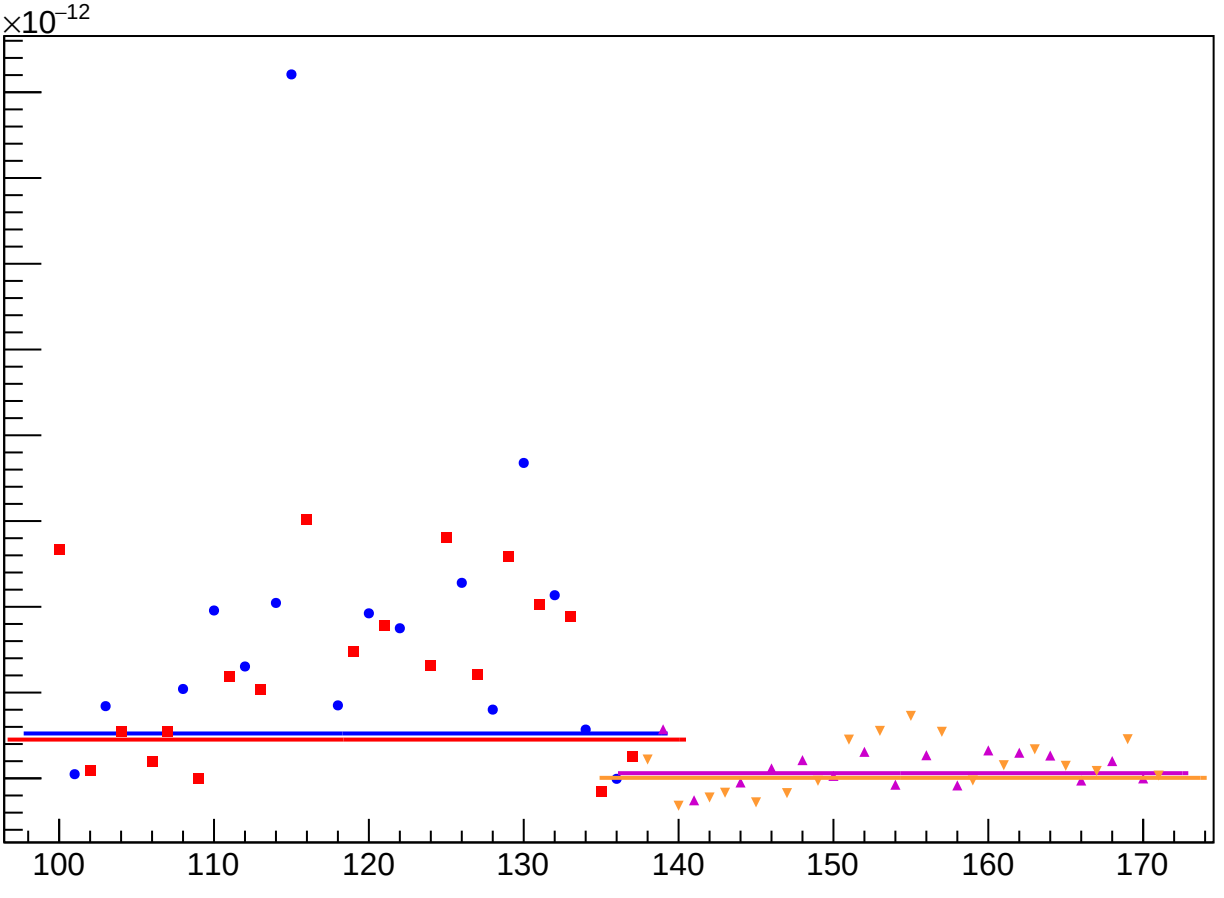
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:26.0/31

Out: -0.000+/-0.000 χ^2/NDF:25.2/36

All: -0.000+/-0.000 χ^2/NDF: 51.2/68

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1449623.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:656501.0/15

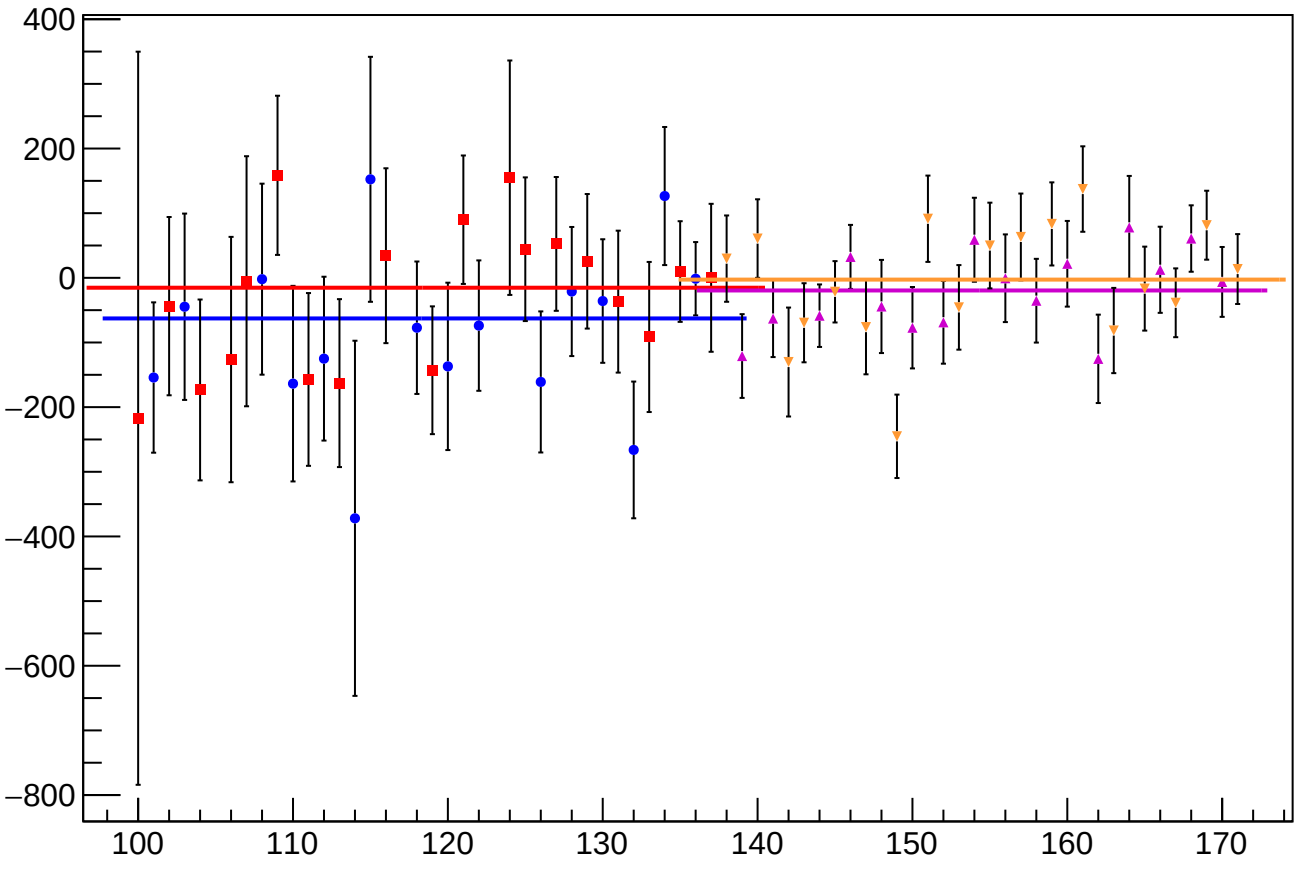
Left: 0.000+/-0.000 χ^2/NDF: 2131182.9/33

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3282352.8/31

Out: 0.000+/-0.000 χ^2/NDF:4066457.6/36

All: 0.000+/-0.000 χ^2/NDF: 7384680.5/68



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: -19.540+/-15.279 χ^2/NDF:14.9/15

Left: -10.778+/-10.569 χ^2/NDF: 50.4/33

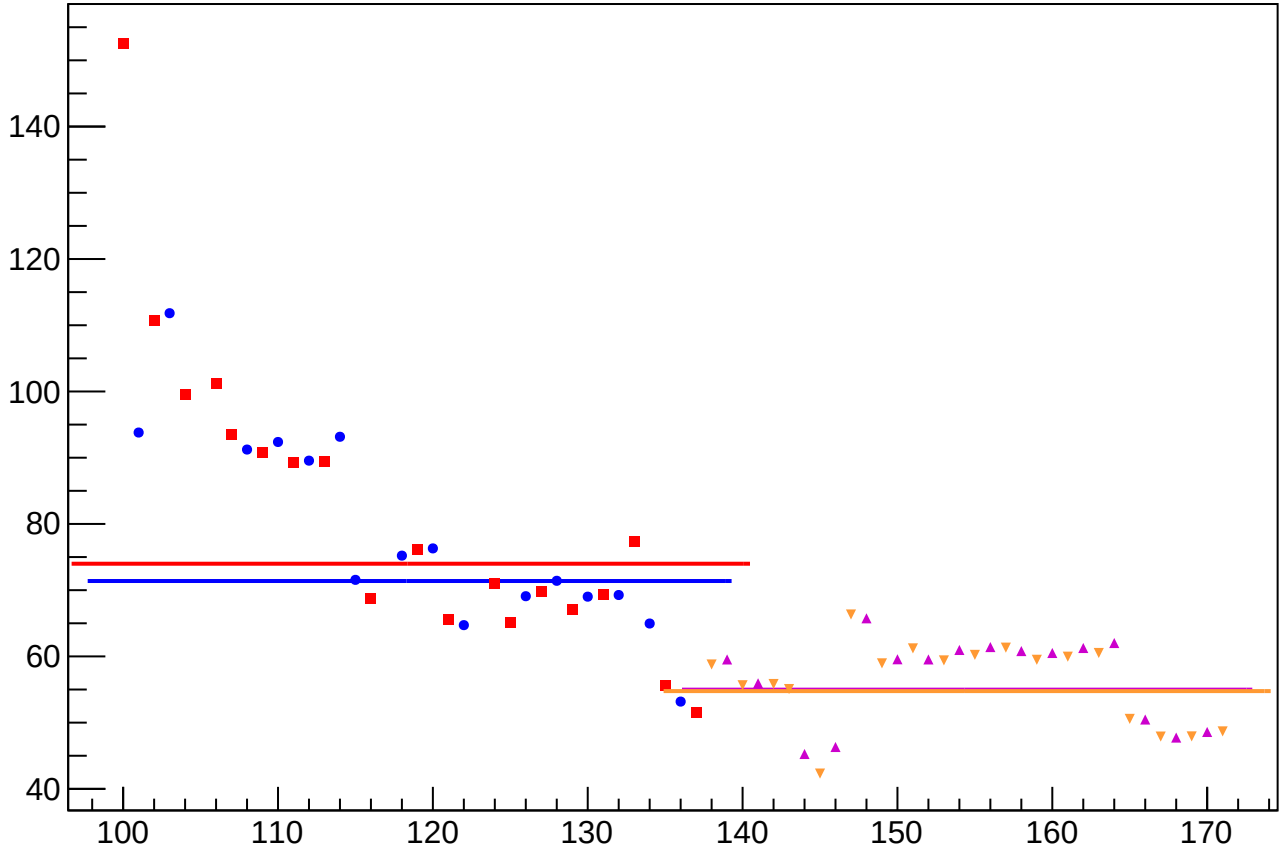
Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -29.908+/-13.323 χ^2/NDF:30.3/31

Out: -5.466+/-12.947 χ^2/NDF:46.5/36

All: -17.338+/-9.285 χ^2/NDF: 78.6/68

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: 54.980+/-0.011 χ^2/NDF:392338.8/15

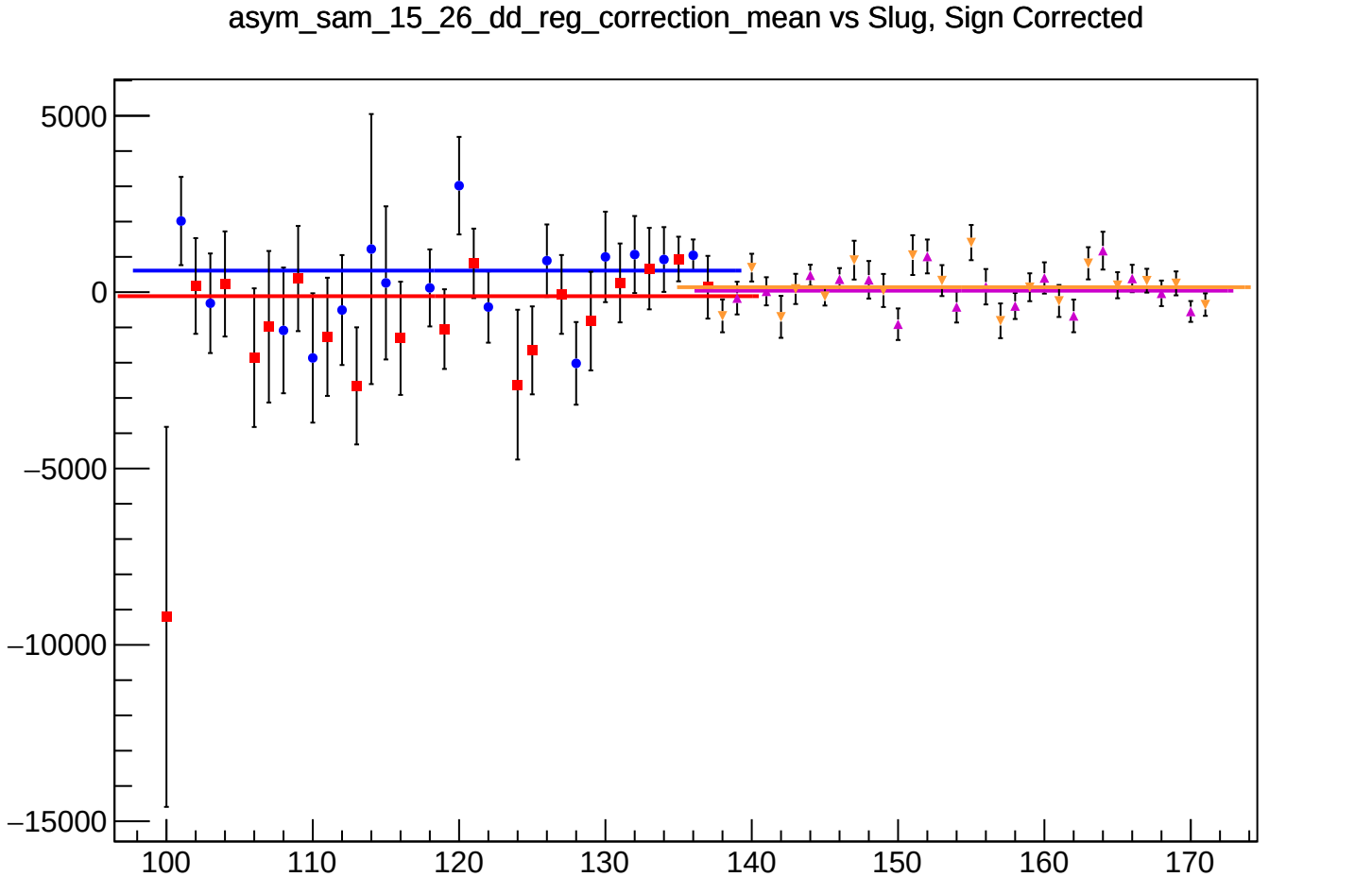
Left: 54.866+/-0.007 χ^2/NDF: 796771.0/33

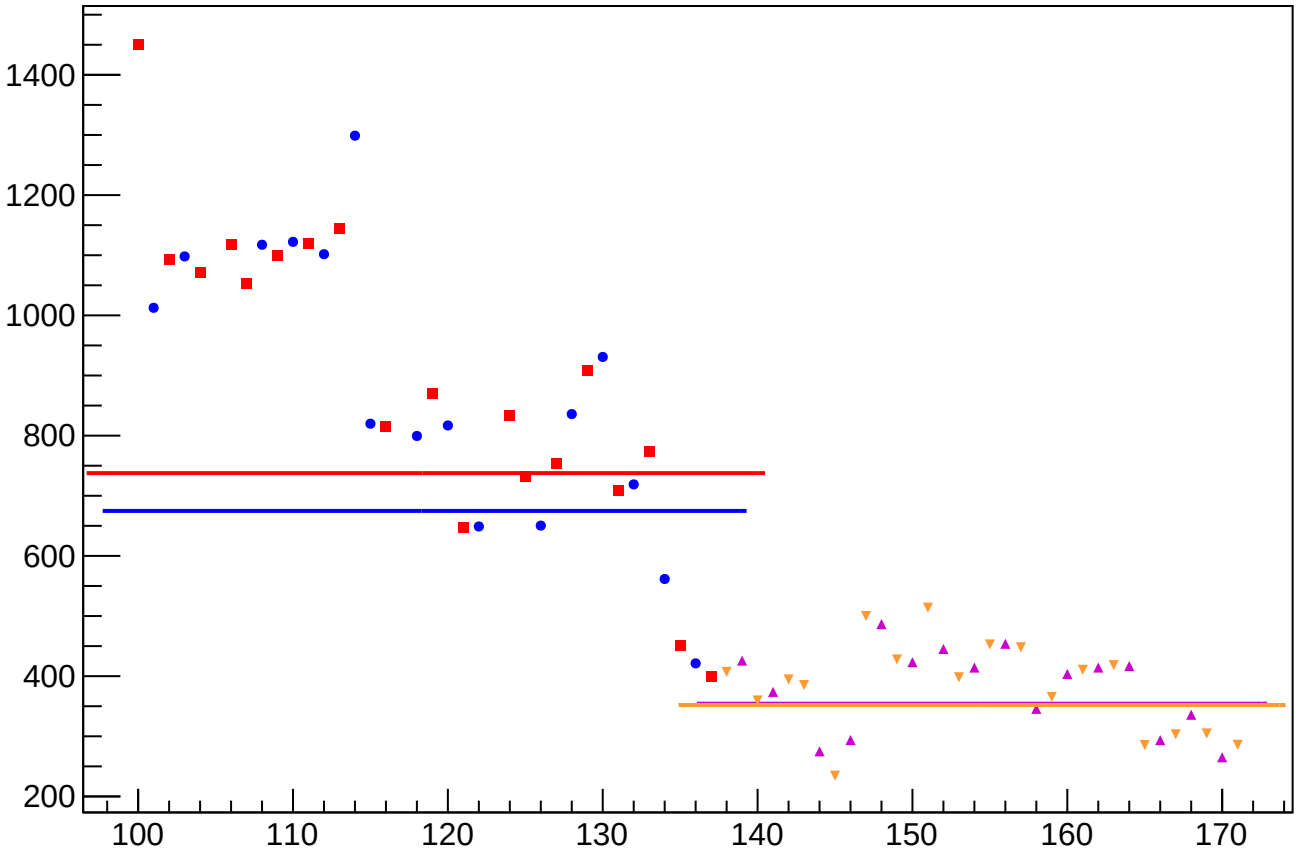
Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 58.912+/-0.009 χ^2/NDF:1535738.6/31

Out: 58.942+/-0.009 χ^2/NDF:1793411.3/36

All: 58.927+/-0.007 χ^2/NDF: 3329155.2/68


asym_sam_15_26_dd_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.561+/-266.802 χ²/NDF: 15.7/15
Left Out: 140.691+/-95.883 χ²/NDF:28.7/17
Right Out: -114.633+/-284.312 χ²/NDF: 15.6/18
Left In: 40.796+/-99.793 χ²/NDF:27.2/15
Left: 92.738+/-69.140 χ²/NDF: 56.4/33
Right: 270.981+/-194.553 χ²/NDF: 34.7/34
In: 110.723+/-93.468 χ²/NDF:46.9/31
Out: 114.617+/-90.855 χ²/NDF:45.0/36
All: 112.725+/-65.149 χ²/NDF: 91.9/68



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: 354.264+/-0.071 χ^2/NDF:946879.7/15

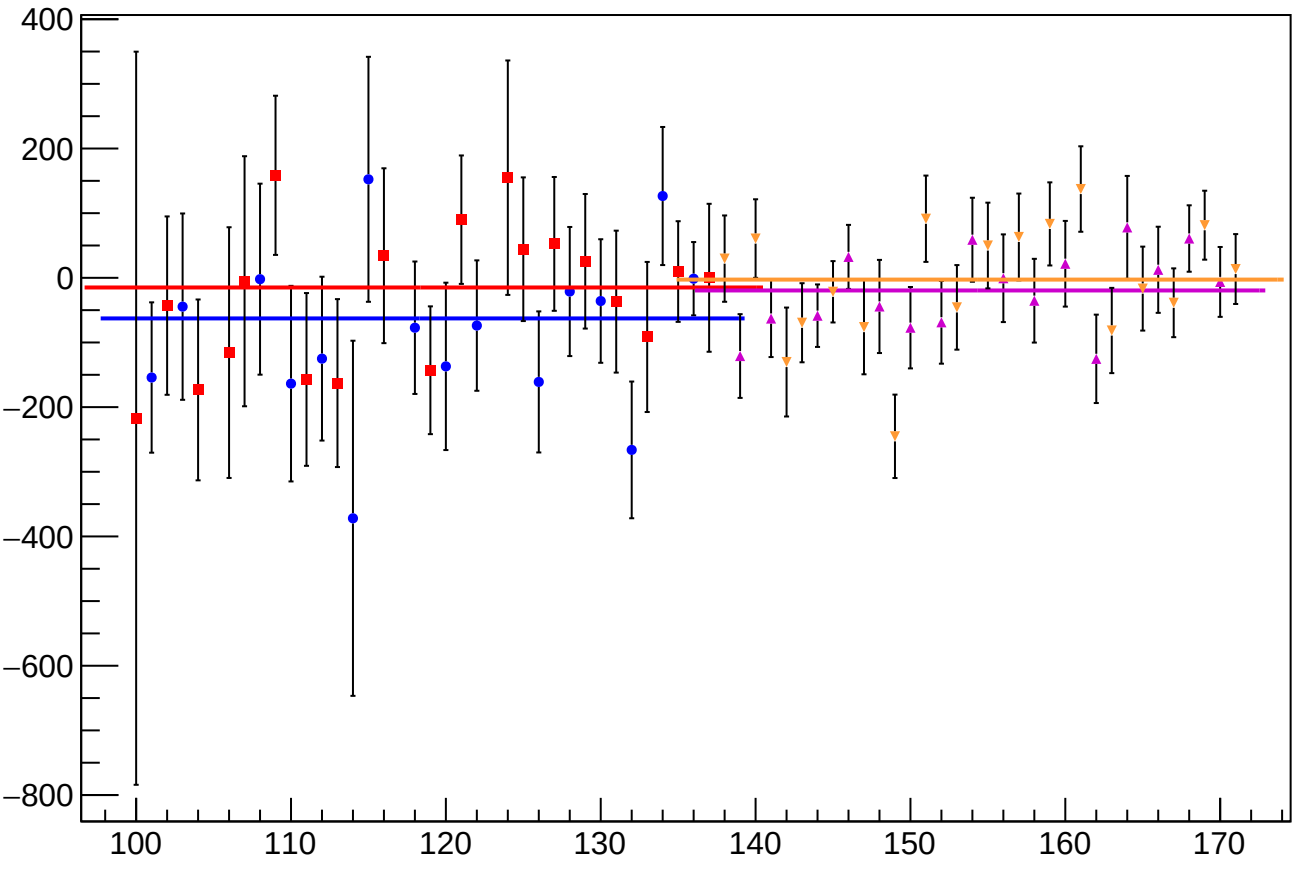
Left: 353.141+/-0.049 χ^2/NDF: 2246140.3/33

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 393.608+/-0.066 χ^2/NDF:5097386.5/31

Out: 391.478+/-0.064 χ^2/NDF:6118197.3/36

All: 392.513+/-0.046 χ^2/NDF: 11216117.5/68



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: -19.542+/-15.279 χ^2/NDF:14.9/15

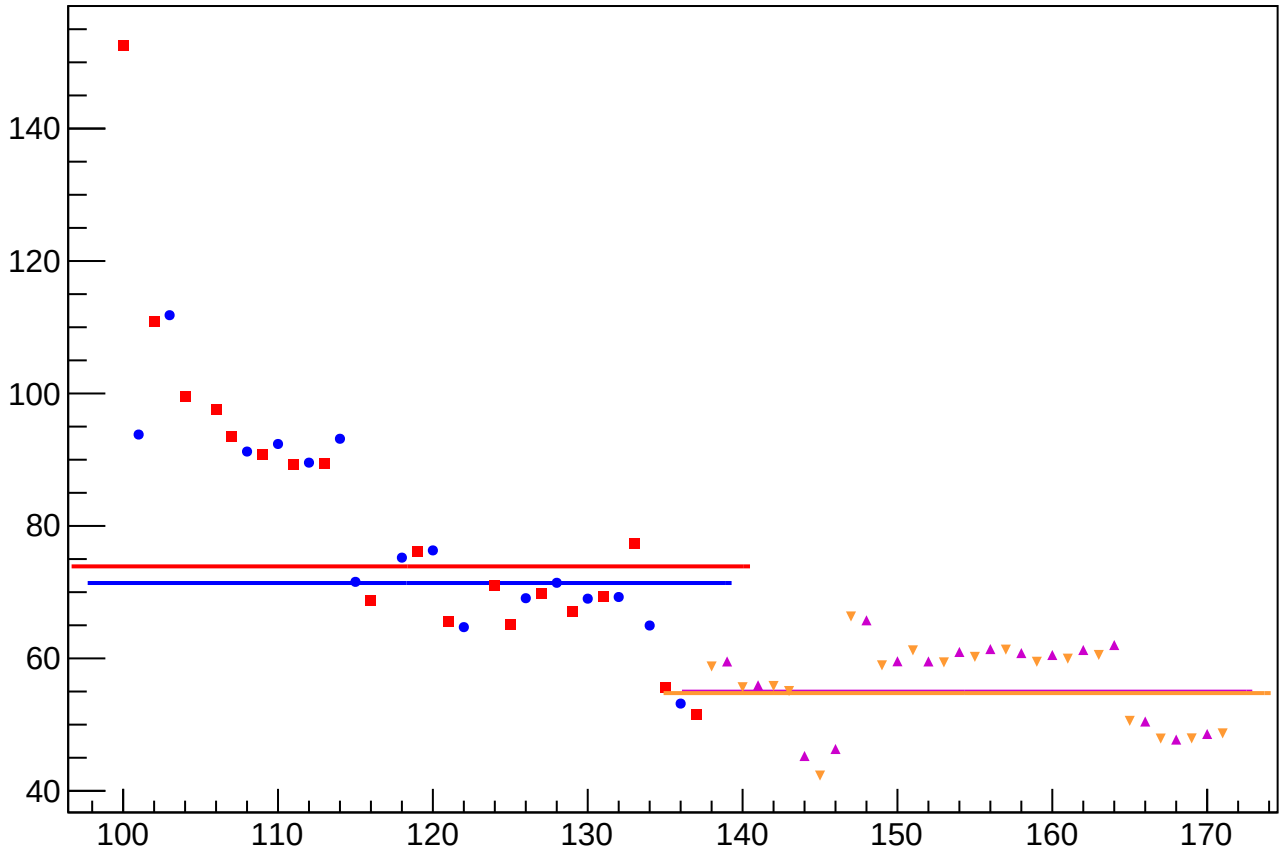
Left: -10.779+/-10.569 χ^2/NDF: 50.4/33

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -29.907+/-13.323 χ^2/NDF:30.3/31

Out: -5.387+/-12.949 χ^2/NDF:46.5/36

All: -17.298+/-9.286 χ^2/NDF: 78.5/68



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: 54.980+/-0.011 χ^2/NDF:392338.8/15

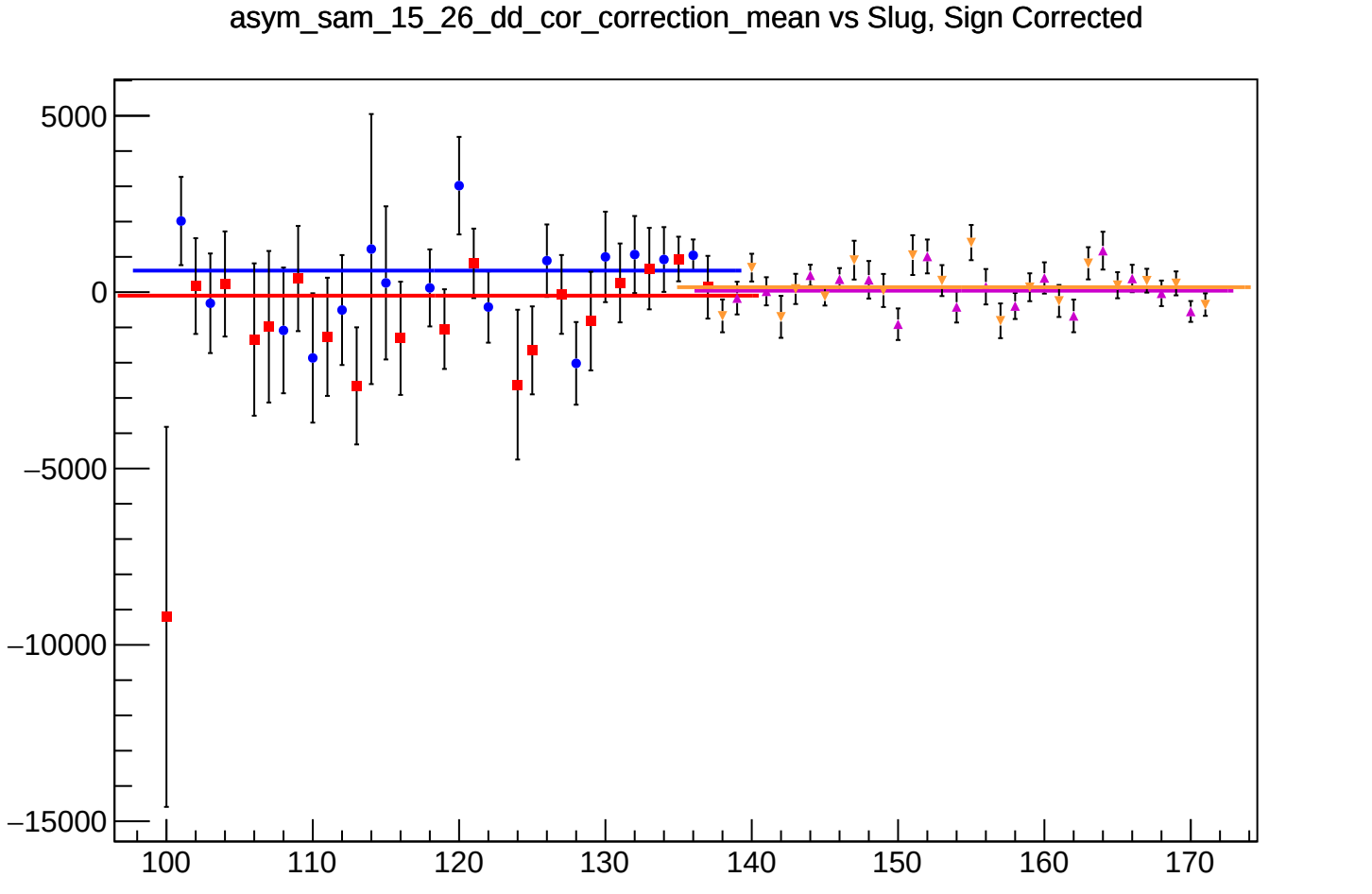
Left: 54.866+/-0.007 χ^2/NDF: 796771.0/33

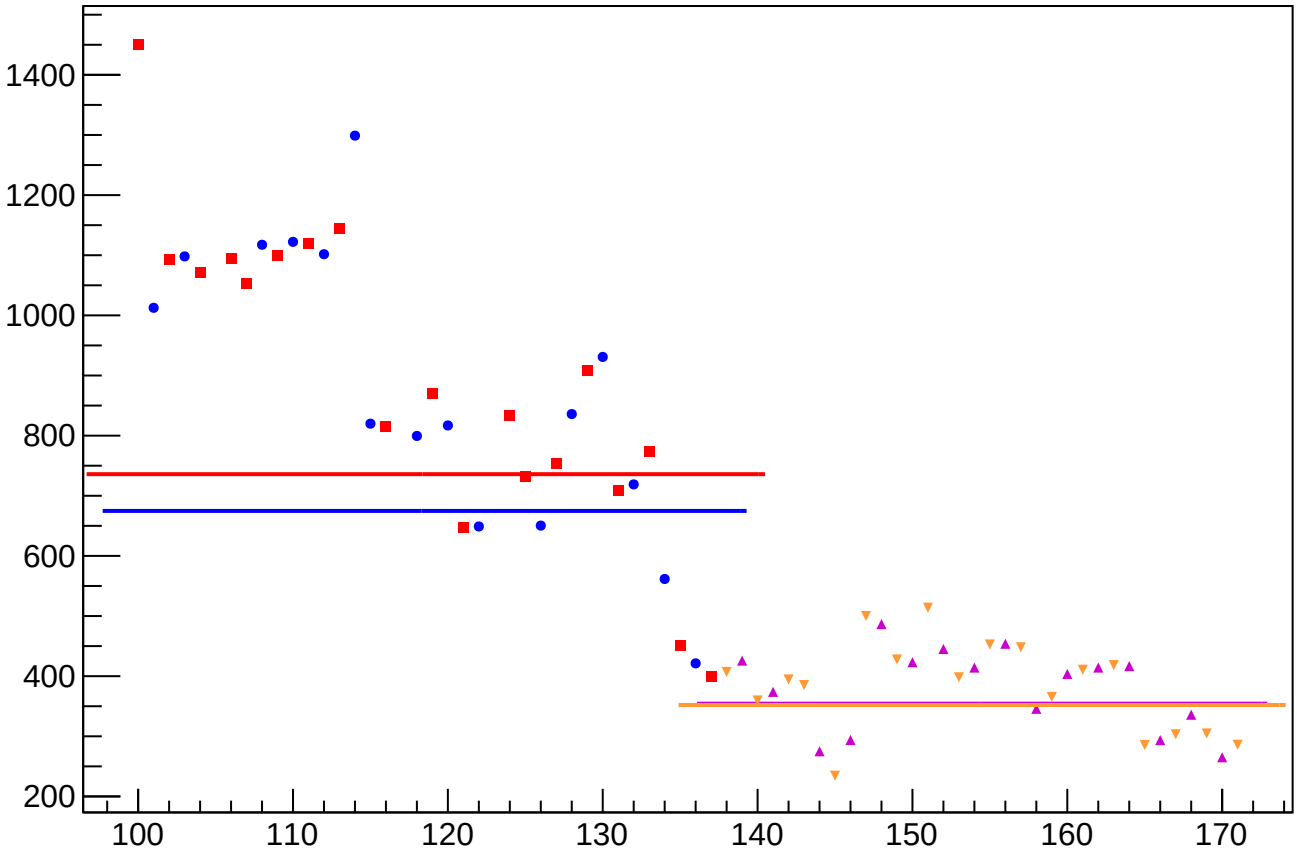
Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 58.912+/-0.009 χ^2/NDF:1535741.2/31

Out: 58.917+/-0.009 χ^2/NDF:1773658.6/36

All: 58.914+/-0.007 χ^2/NDF: 3309400.0/68


asym_sam_15_26_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.549+/-266.803 χ²/NDF: 15.7/15
Left Out: 140.689+/-95.883 χ²/NDF:28.7/17
Right Out: -99.555+/-284.831 χ²/NDF: 15.1/18
Left In: 40.792+/-99.793 χ²/NDF:27.2/15
Left: 92.735+/-69.140 χ²/NDF: 56.4/33
Right: 278.680+/-194.720 χ²/NDF: 34.1/34
In: 110.718+/-93.469 χ²/NDF:46.9/31
Out: 116.235+/-90.872 χ²/NDF:44.5/36
All: 113.554+/-65.155 χ²/NDF: 91.3/68



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: 354.264+/-0.071 χ^2/NDF:946885.5/15

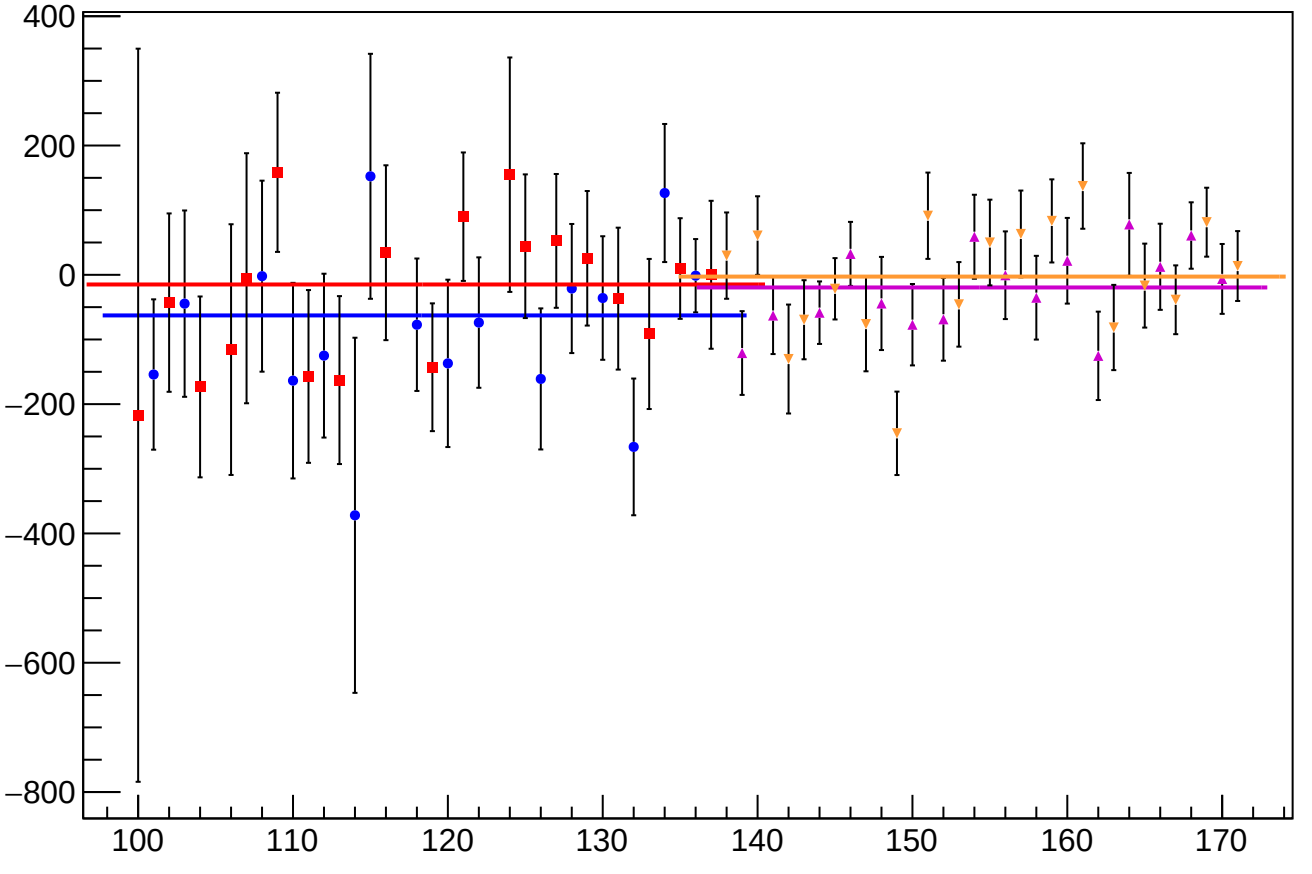
Left: 353.141+/-0.049 χ^2/NDF: 2246148.3/33

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 393.608+/-0.066 χ^2/NDF:5097414.4/31

Out: 391.171+/-0.064 χ^2/NDF:6057727.9/36

All: 392.355+/-0.046 χ^2/NDF: 11155841.1/68



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: -19.542+/-15.279 χ^2/NDF:14.9/15

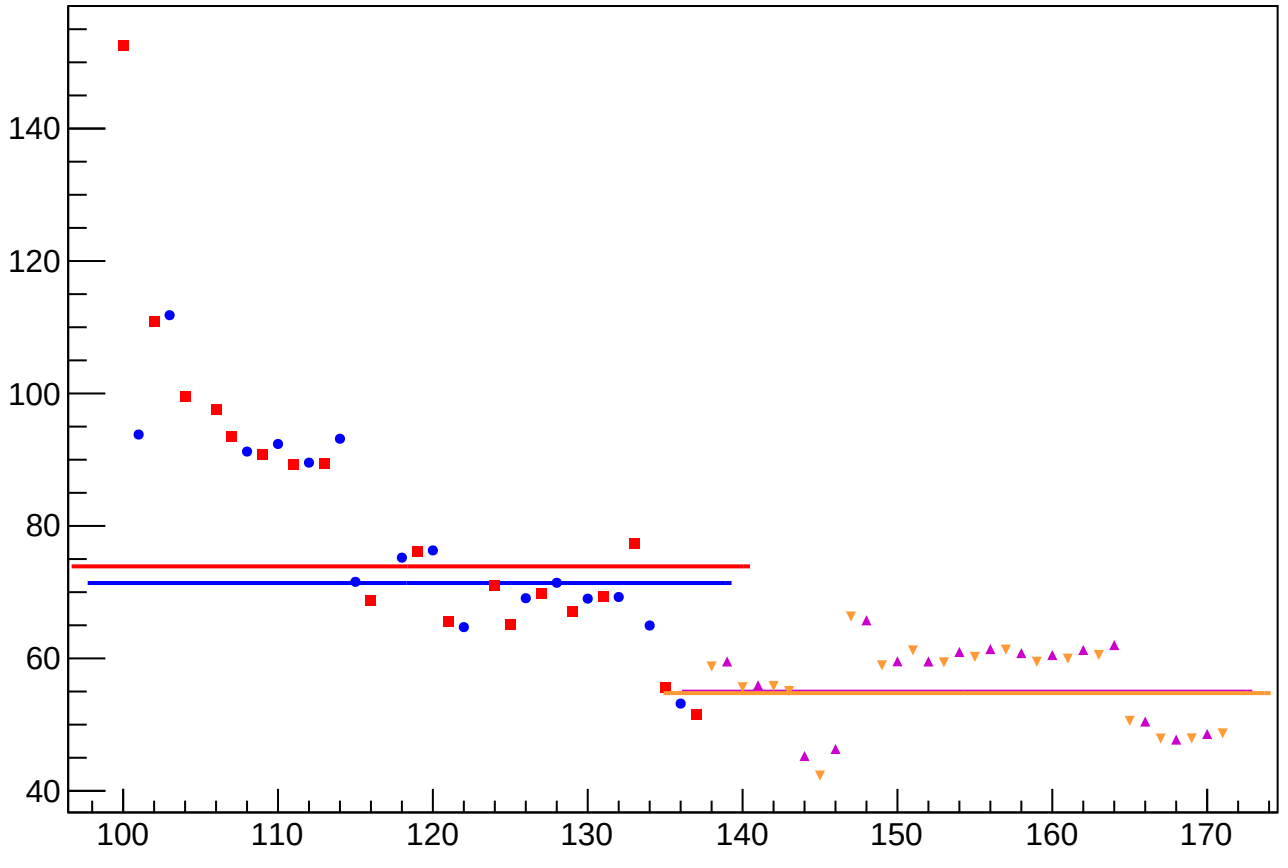
Left: -10.779+/-10.569 χ^2/NDF: 50.4/33

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -29.907+/-13.323 χ^2/NDF:30.3/31

Out: -5.387+/-12.949 χ^2/NDF:46.5/36

All: -17.298+/-9.286 χ^2/NDF: 78.5/68



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: 54.980+/-0.011 χ^2/NDF:392338.8/15

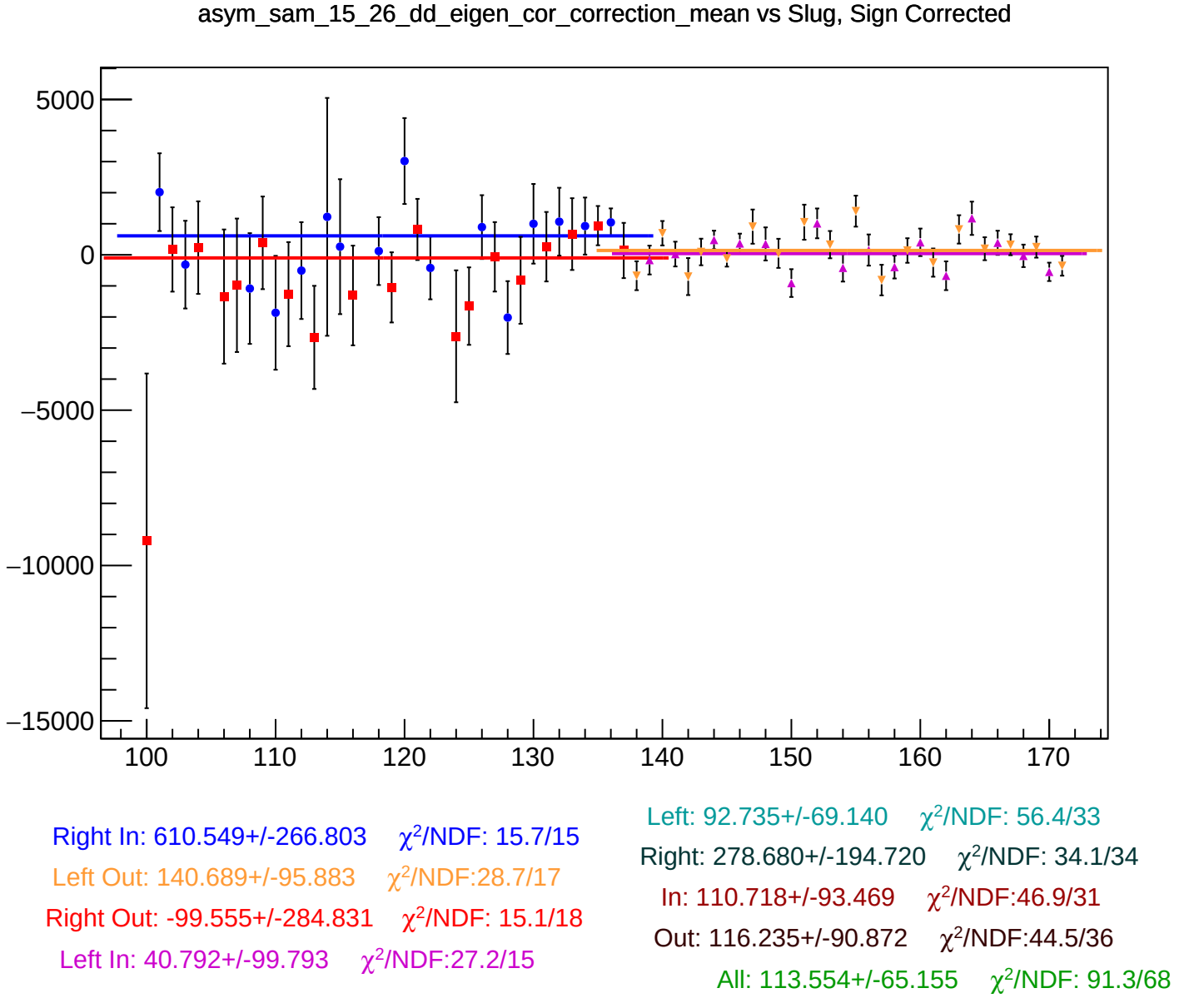
Left: 54.866+/-0.007 χ^2/NDF: 796771.0/33

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

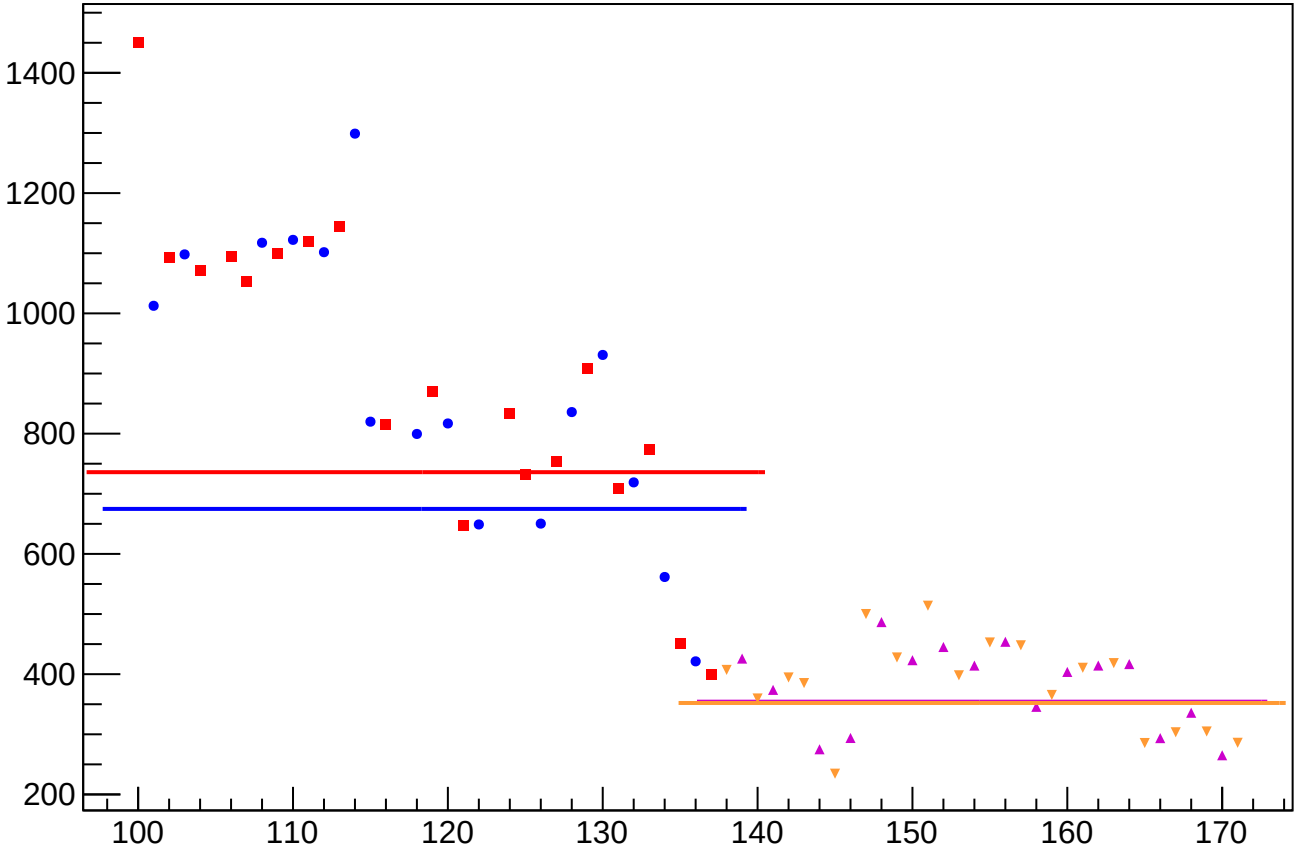
In: 58.912+/-0.009 χ^2/NDF:1535741.2/31

Out: 58.917+/-0.009 χ^2/NDF:1773658.6/36

All: 58.914+/-0.007 χ^2/NDF: 3309400.0/68


asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.549+/-266.803 χ²/NDF: 15.7/15
Left Out: 140.689+/-95.883 χ²/NDF:28.7/17
Right Out: -99.555+/-284.831 χ²/NDF: 15.1/18
Left In: 40.792+/-99.793 χ²/NDF:27.2/15
Left: 92.735+/-69.140 χ²/NDF: 56.4/33
Right: 278.680+/-194.720 χ²/NDF: 34.1/34
In: 110.718+/-93.469 χ²/NDF:46.9/31
Out: 116.235+/-90.872 χ²/NDF:44.5/36
All: 113.554+/-65.155 χ²/NDF: 91.3/68

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



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: 354.264+/-0.071 χ^2/NDF:946885.5/15

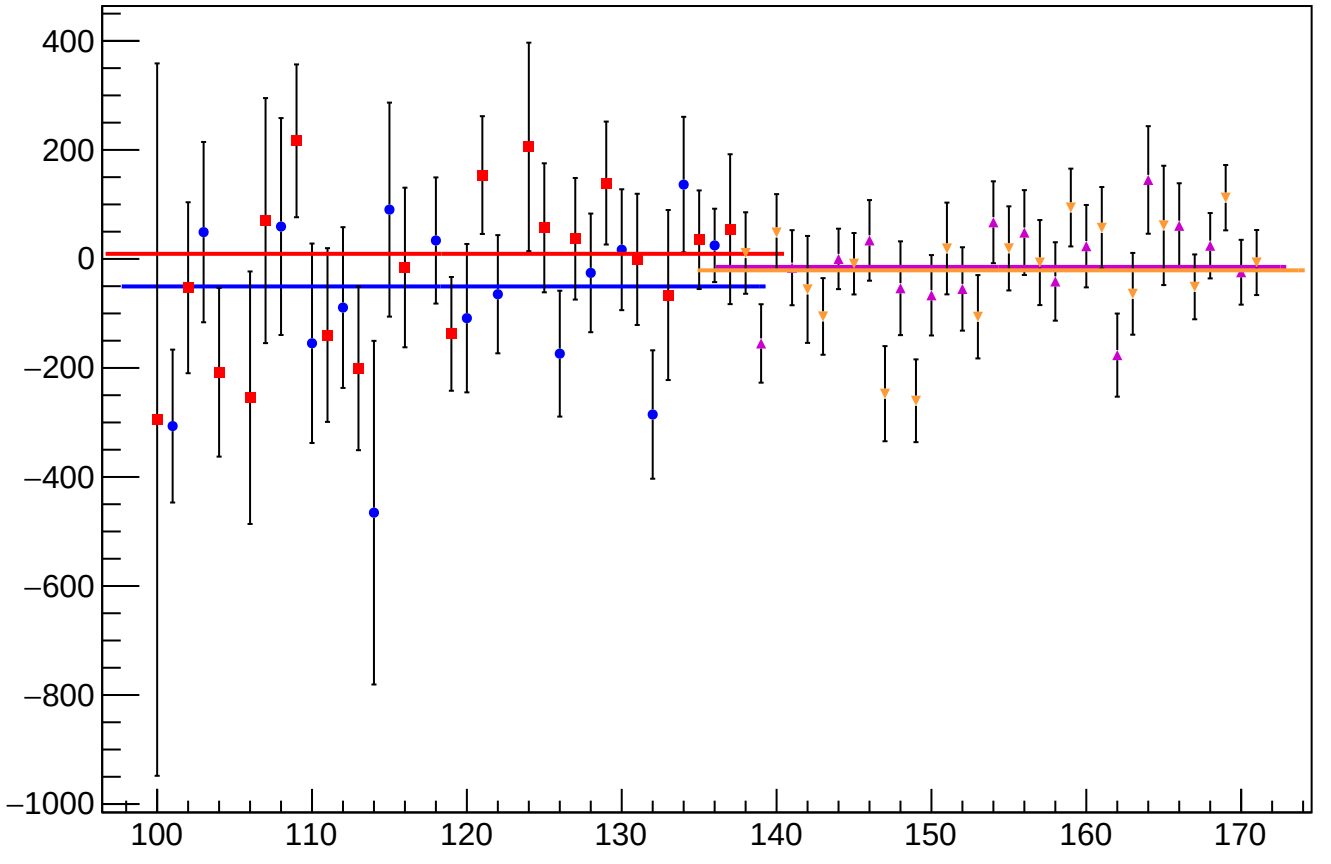
Left: 353.141+/-0.049 χ^2/NDF: 2246148.3/33

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 393.608+/-0.066 χ^2/NDF:5097414.4/31

Out: 391.171+/-0.064 χ^2/NDF:6057727.9/36

All: 392.355+/-0.046 χ^2/NDF: 11155841.1/68



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: -14.676+/-17.924 χ^2/NDF:16.0/15

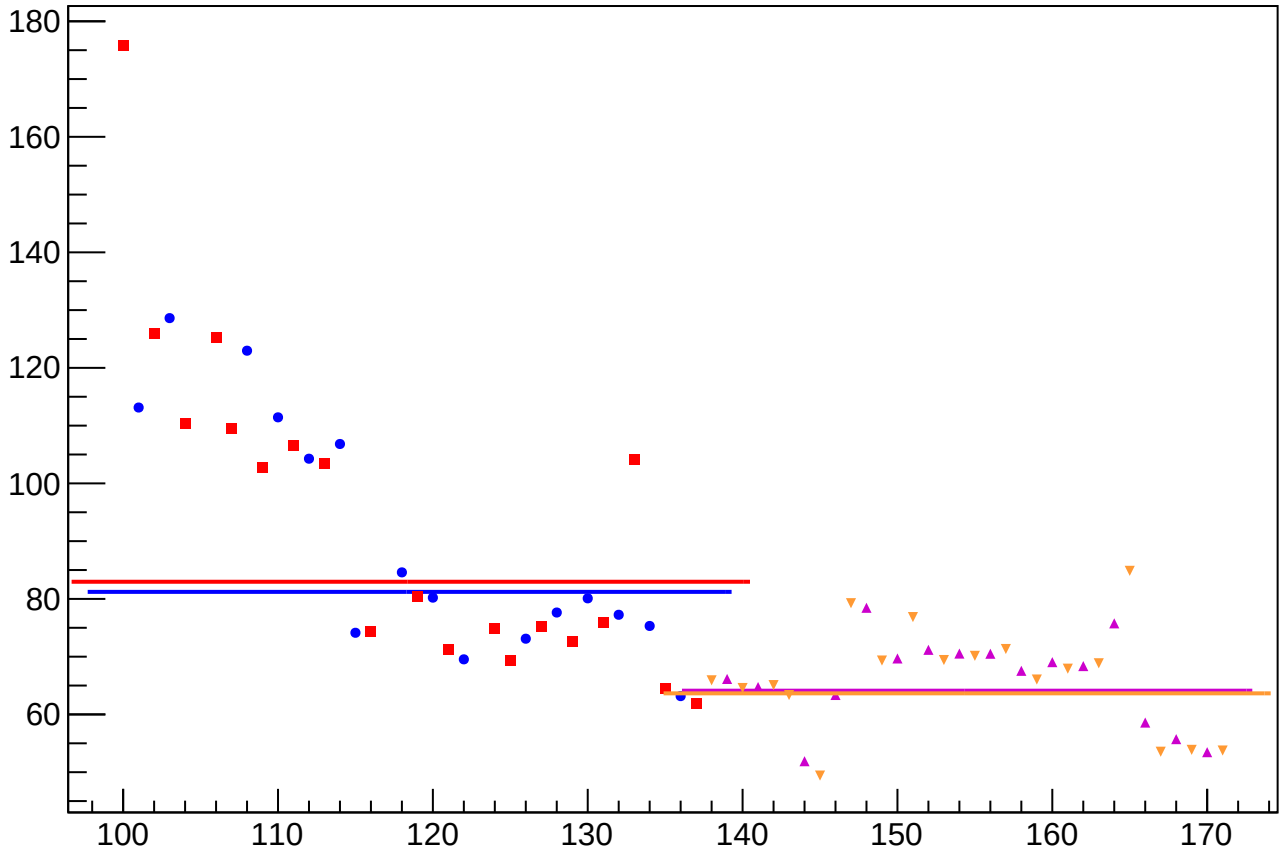
Left: -17.946+/-12.364 χ^2/NDF: 47.1/33

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.616+/-15.525 χ^2/NDF:33.4/31

Out: -13.942+/-14.984 χ^2/NDF:47.3/36

All: -18.608+/-10.781 χ^2/NDF: 81.0/68



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: 64.110+/-0.013 χ^2/NDF:371953.3/15

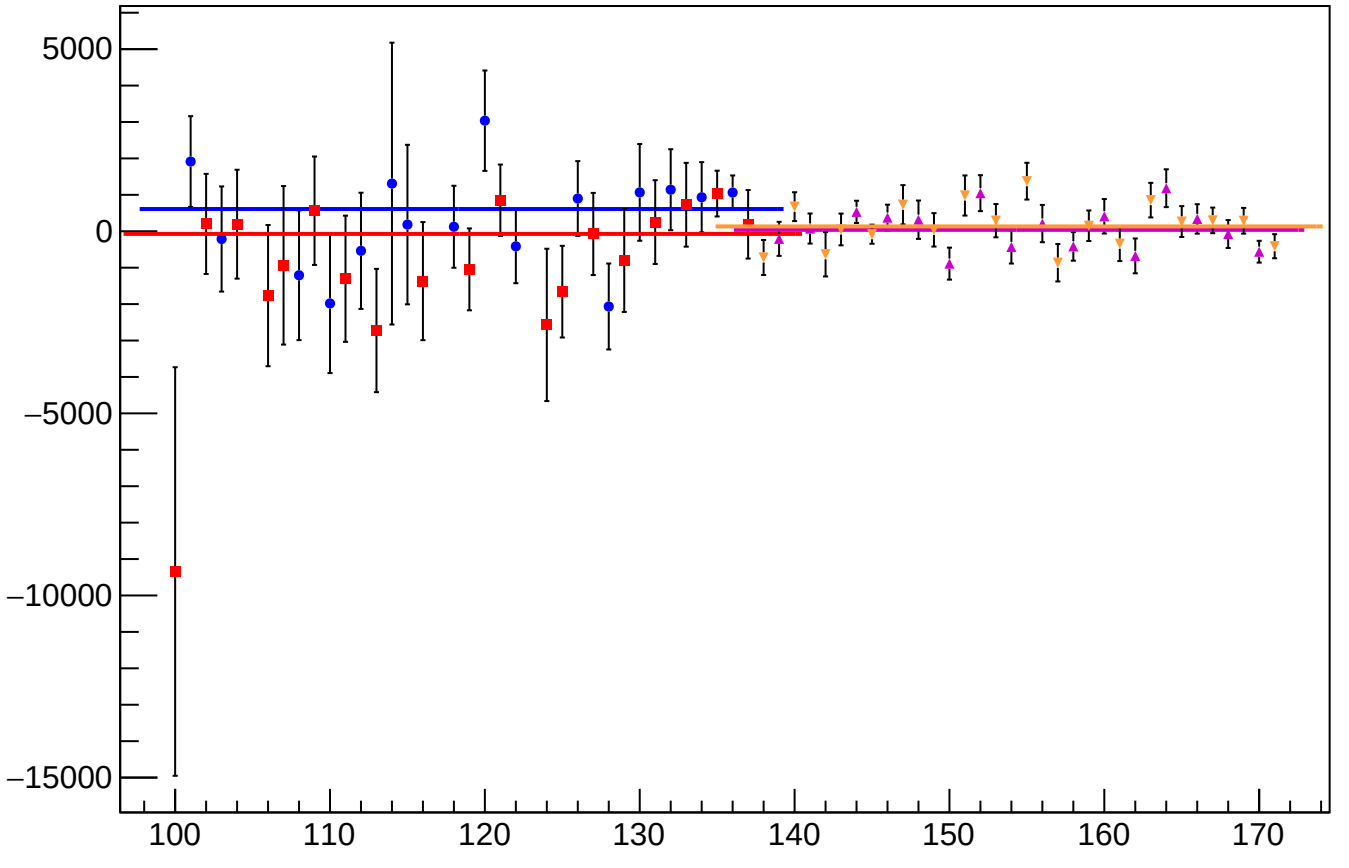
Left: 63.869+/-0.009 χ^2/NDF: 931693.9/33

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 68.384+/-0.011 χ^2/NDF:1489975.6/31

Out: 68.096+/-0.011 χ^2/NDF:1878599.0/36

All: 68.235+/-0.008 χ^2/NDF: 3368930.0/68



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 133.000+/-98.746 χ^2/NDF:27.4/17

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: 38.309+/-103.310 χ^2/NDF:27.6/15

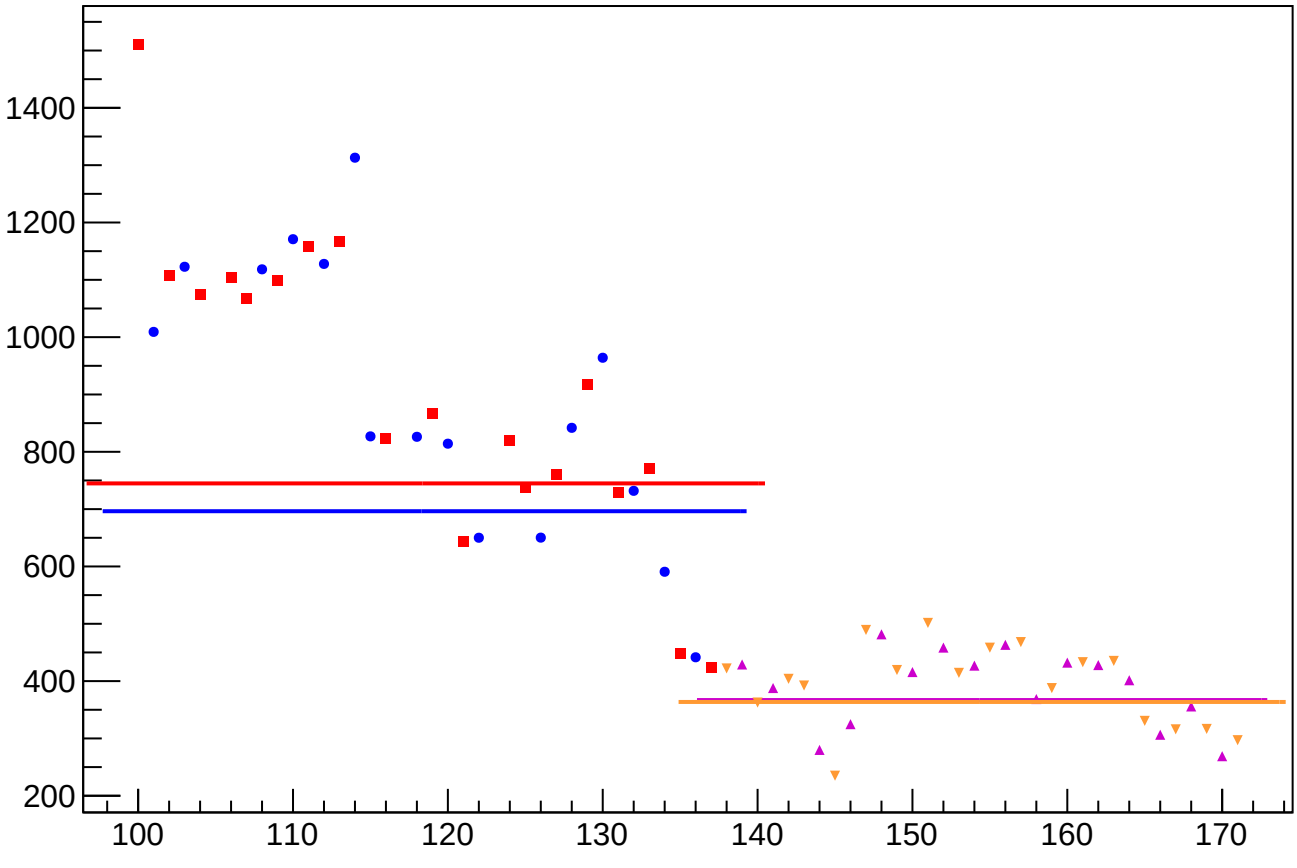
Left: 87.792+/-71.383 χ^2/NDF: 55.4/33

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 109.522+/-96.666 χ^2/NDF:47.2/31

Out: 111.245+/-93.368 χ^2/NDF:44.0/36

All: 110.413+/-67.157 χ^2/NDF: 91.2/68



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: 366.949+/-0.073 χ^2/NDF:864389.5/15

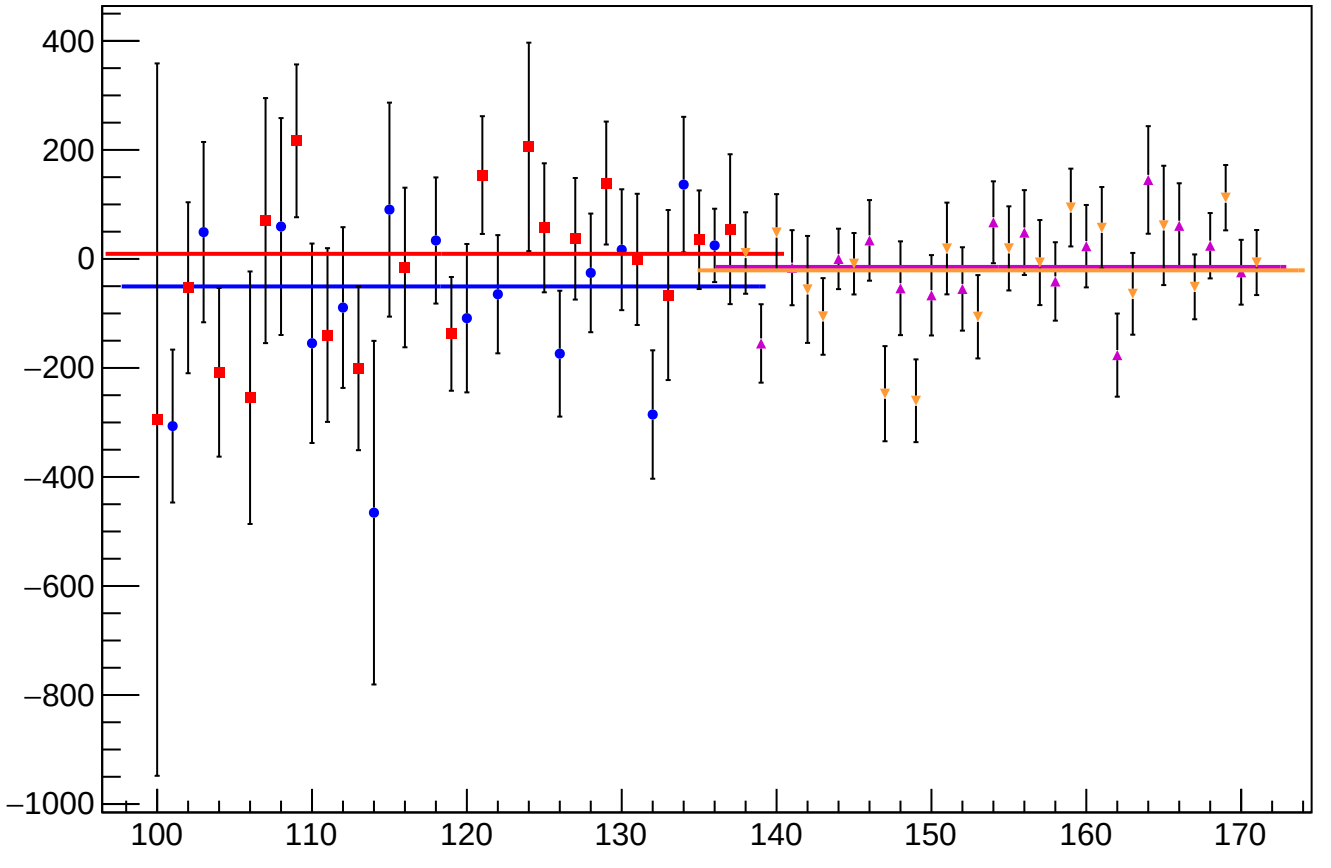
Left: 365.217+/-0.050 χ^2/NDF: 2095069.4/33

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 407.956+/-0.068 χ^2/NDF:4911239.7/31

Out: 404.032+/-0.066 χ^2/NDF:5886843.2/36

All: 405.926+/-0.047 χ^2/NDF: 10799788.3/68



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: -14.675+/-17.924 χ^2/NDF:16.0/15

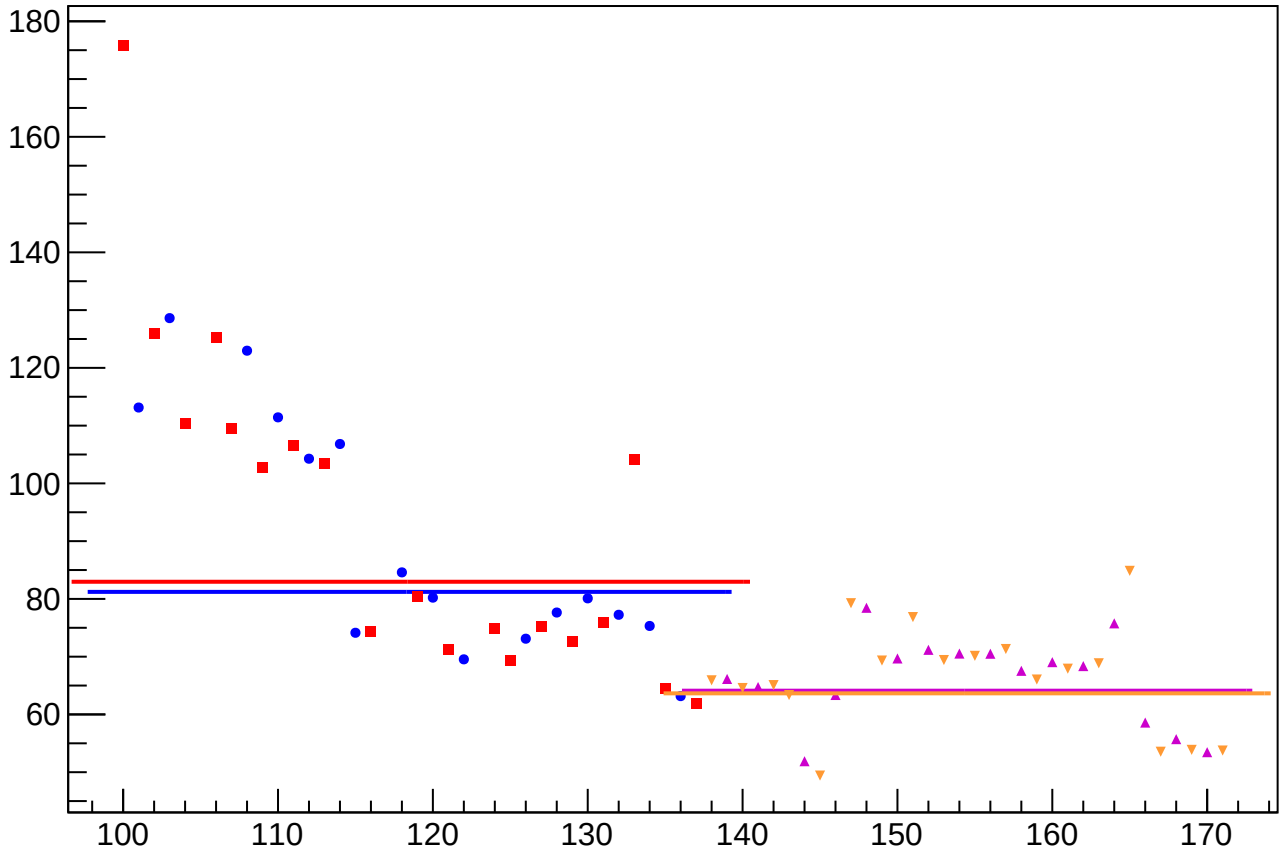
Left: -17.945+/-12.364 χ^2/NDF: 47.1/33

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -23.616+/-15.525 χ^2/NDF:33.4/31

Out: -13.942+/-14.984 χ^2/NDF:47.3/36

All: -18.607+/-10.781 χ^2/NDF: 81.0/68



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: 64.110+/-0.013 χ^2/NDF:371949.0/15

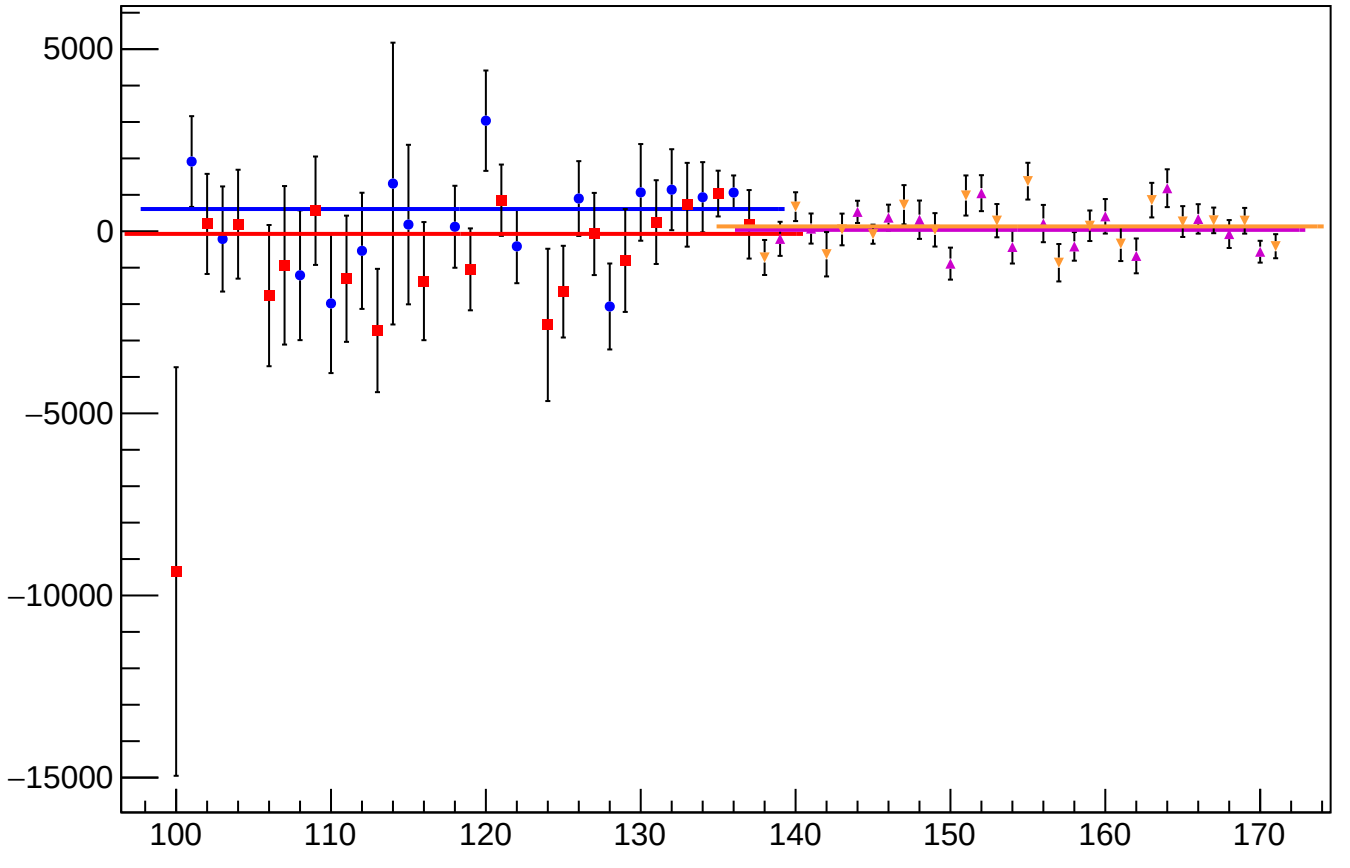
Left: 63.869+/-0.009 χ^2/NDF: 931685.6/33

Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 68.384+/-0.011 χ^2/NDF:1489929.8/31

Out: 68.096+/-0.011 χ^2/NDF:1878561.8/36

All: 68.235+/-0.008 χ^2/NDF: 3368846.9/68



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: 38.308+/-103.310 χ^2/NDF:27.6/15

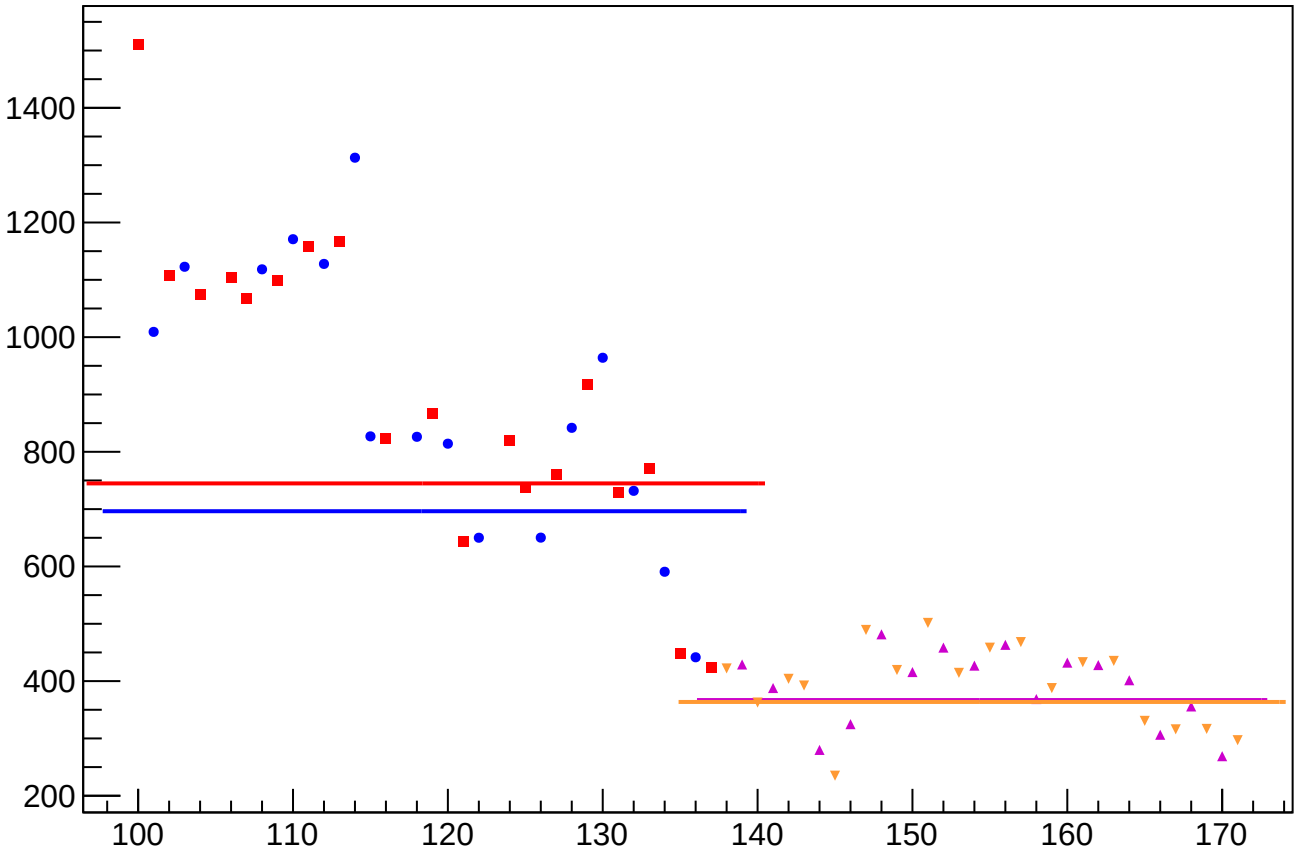
Left: 87.792+/-71.383 χ^2/NDF: 55.4/33

Right: 284.667+/-198.121 χ^2/NDF: 34.9/34

In: 109.522+/-96.666 χ^2/NDF:47.2/31

Out: 111.245+/-93.368 χ^2/NDF:44.0/36

All: 110.413+/-67.157 χ^2/NDF: 91.2/68



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: 366.949+/-0.073 χ^2/NDF:864403.7/15

Left: 365.217+/-0.050 χ^2/NDF: 2095105.5/33

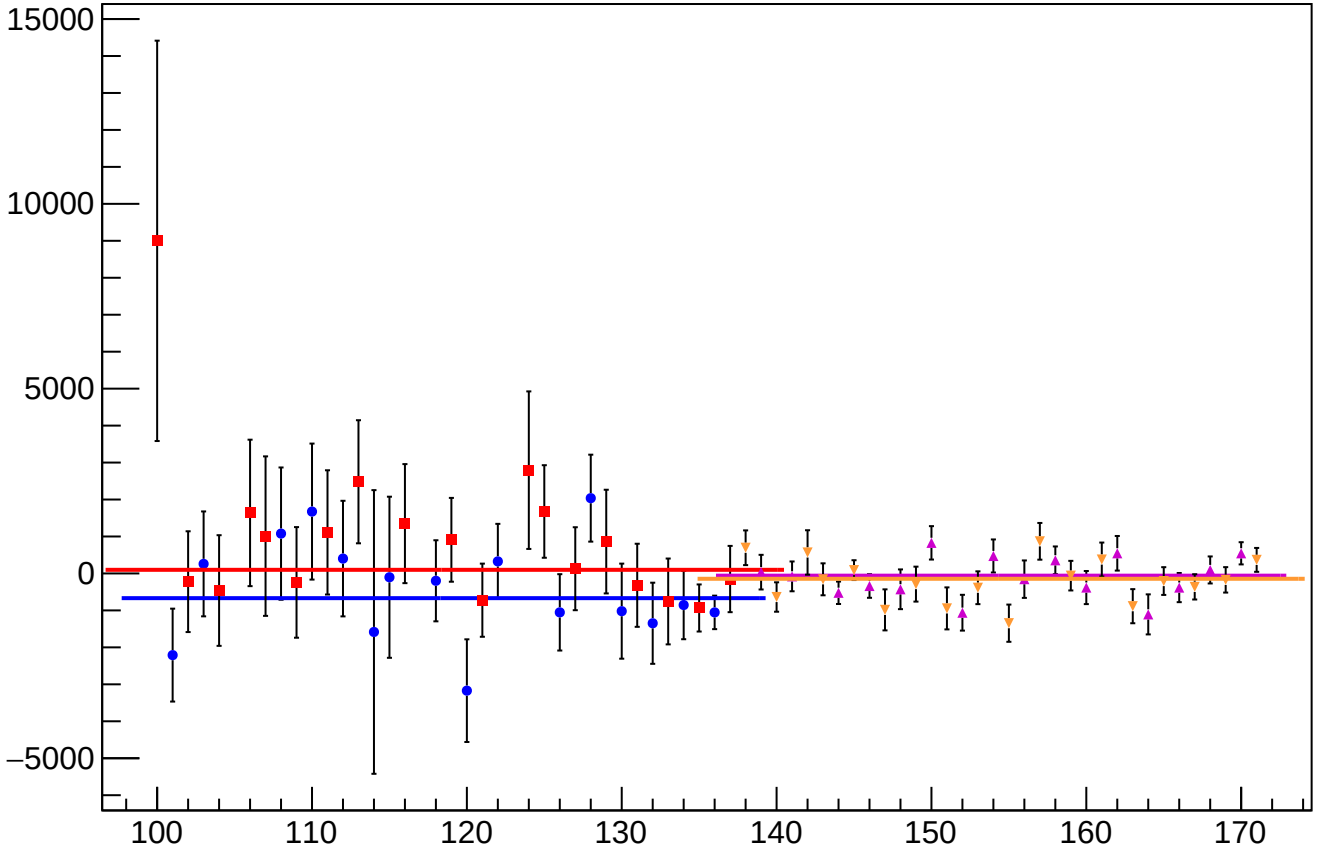
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 407.956+/-0.068 χ^2/NDF:4911233.4/31

Out: 404.032+/-0.066 χ^2/NDF:5886846.7/36

All: 405.926+/-0.047 χ^2/NDF: 10799785.4/68

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: -60.103+/-101.033 χ^2/NDF:25.3/15

Left: -104.021+/-69.995 χ^2/NDF: 53.9/33

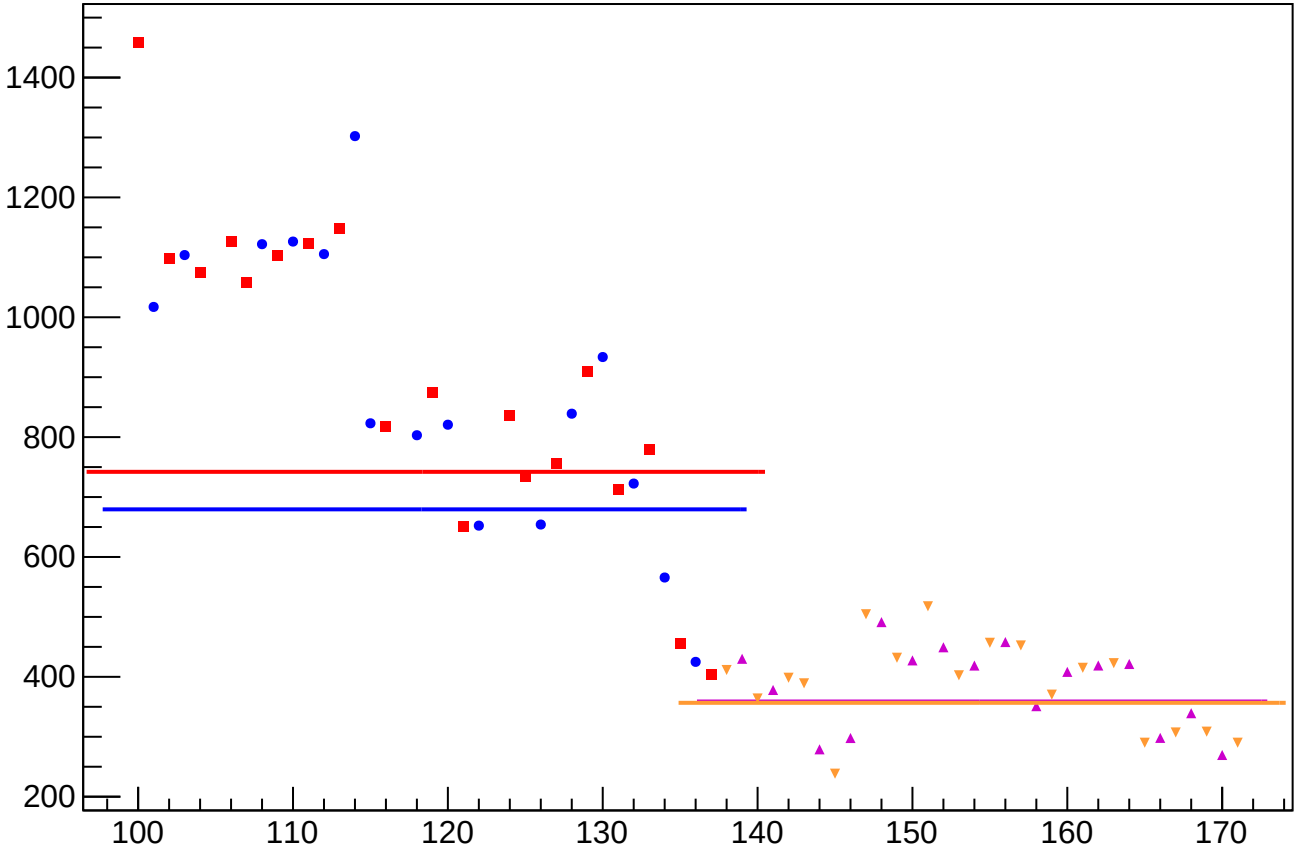
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -135.586+/-94.558 χ^2/NDF:45.9/31

Out: -119.484+/-91.910 χ^2/NDF:43.8/36

All: -127.307+/-65.906 χ^2/NDF: 89.7/68

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: 358.854+/-0.071 χ^2/NDF:926267.8/15

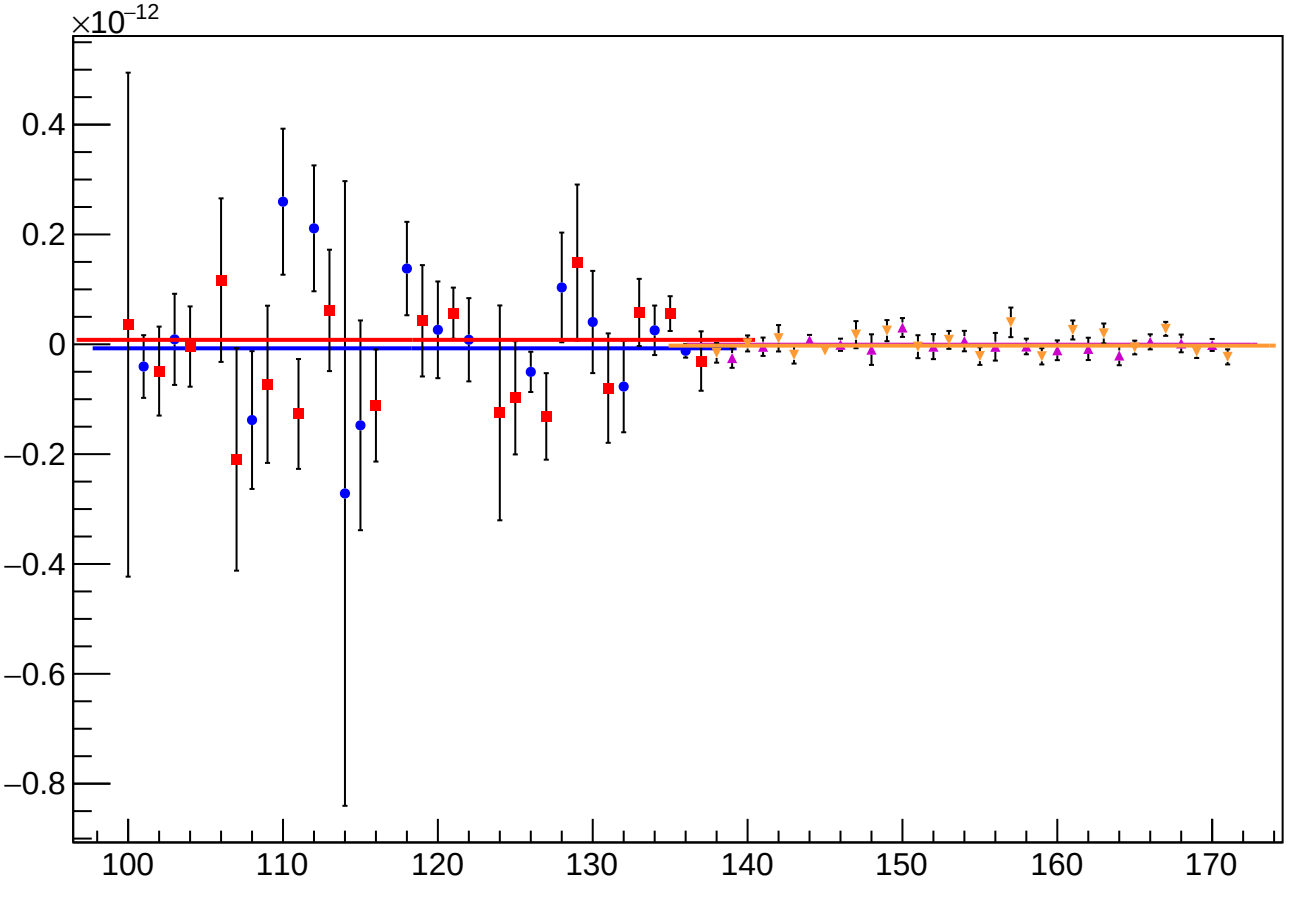
Left: 357.711+/-0.049 χ^2/NDF: 2197557.3/33

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 398.632+/-0.067 χ^2/NDF:5025994.2/31

Out: 396.493+/-0.065 χ^2/NDF:6034718.3/36

All: 397.532+/-0.047 χ^2/NDF: 11061238.8/68



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:8.1/15

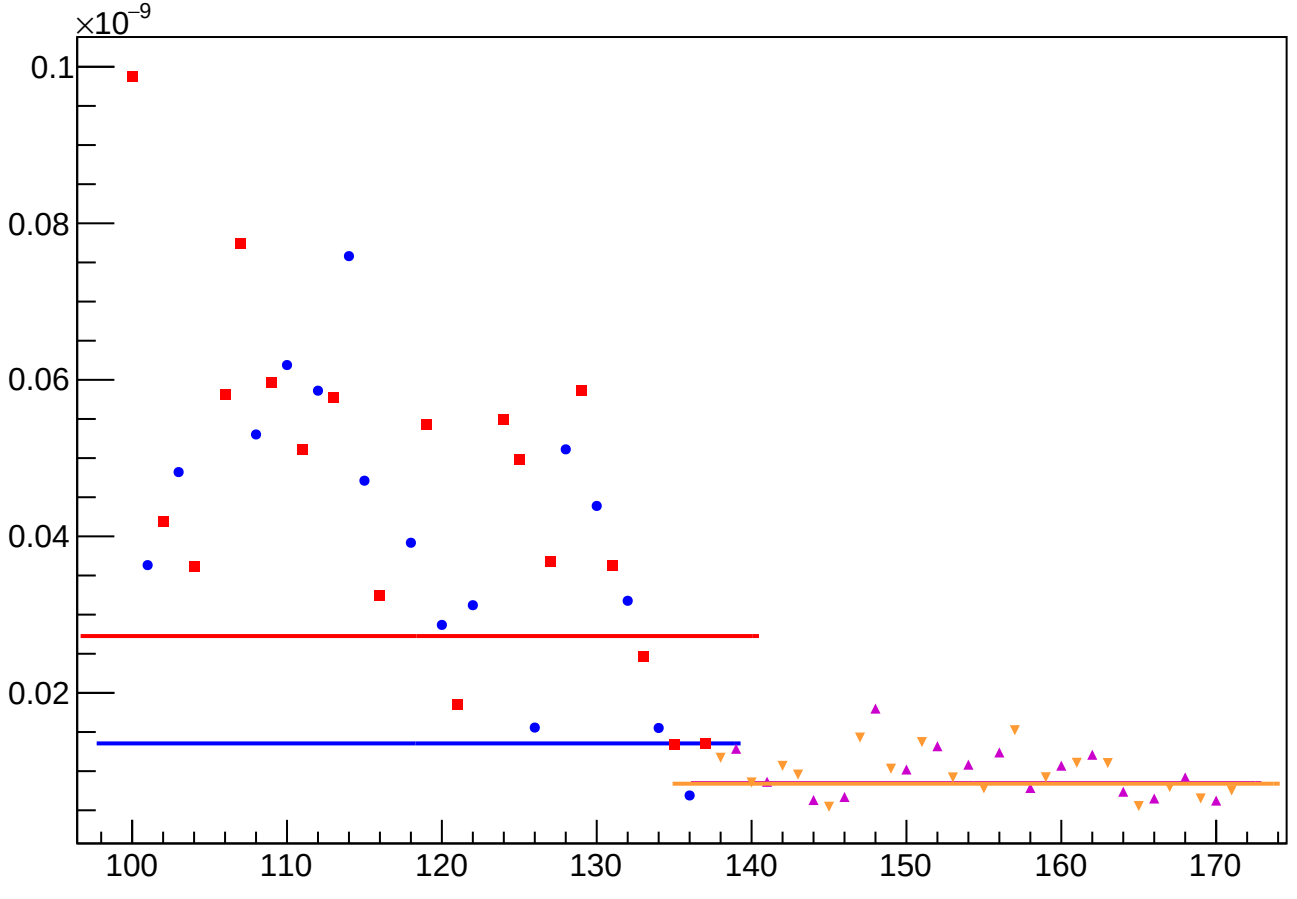
Left: -0.000+/-0.000 χ^2/NDF: 33.0/33

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.6/31

Out: -0.000+/-0.000 χ^2/NDF:42.2/36

All: -0.000+/-0.000 χ^2/NDF: 67.8/68



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:922489.9/15

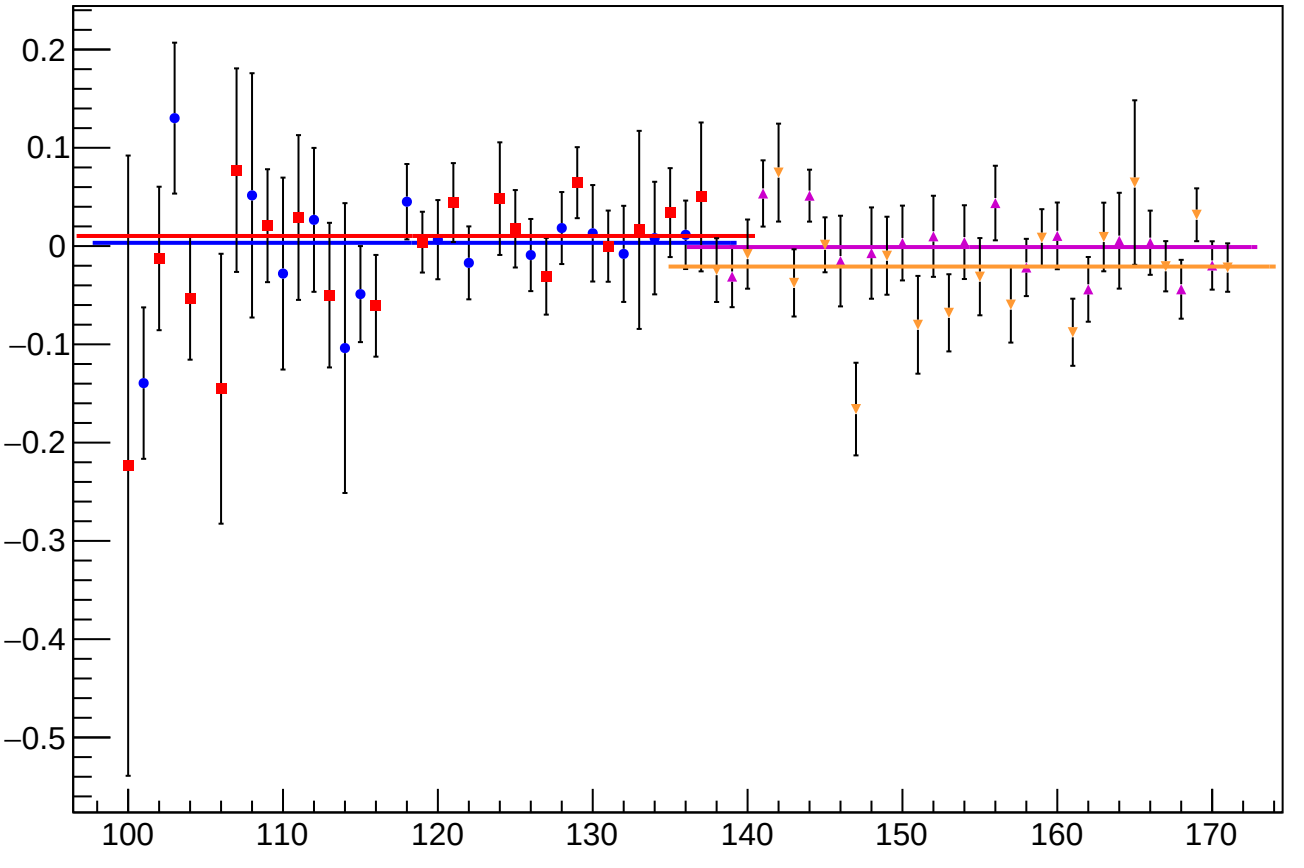
Left: 0.000+/-0.000 χ^2/NDF: 1907405.6/33

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4379706.7/31

Out: 0.000+/-0.000 χ^2/NDF:4996572.4/36

All: 0.000+/-0.000 χ^2/NDF: 9376738.0/68



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: -0.001+/-0.008 χ^2/NDF:14.1/15

Left: -0.011+/-0.006 χ^2/NDF: 45.6/33

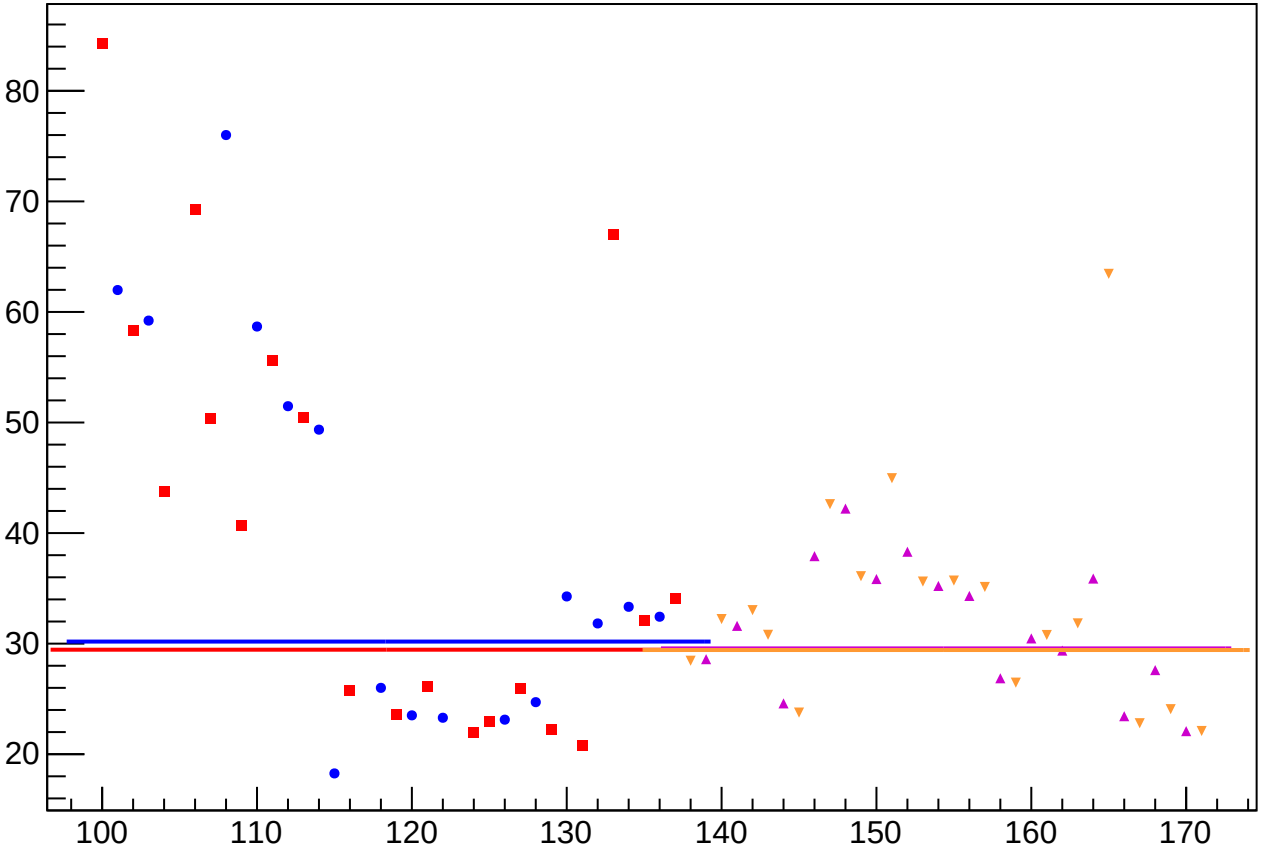
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.007 χ^2/NDF:24.3/31

Out: -0.011+/-0.007 χ^2/NDF:44.6/36

All: -0.006+/-0.005 χ^2/NDF: 70.3/68

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416820.7/17

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.569+/-0.006 χ^2/NDF:830705.0/15

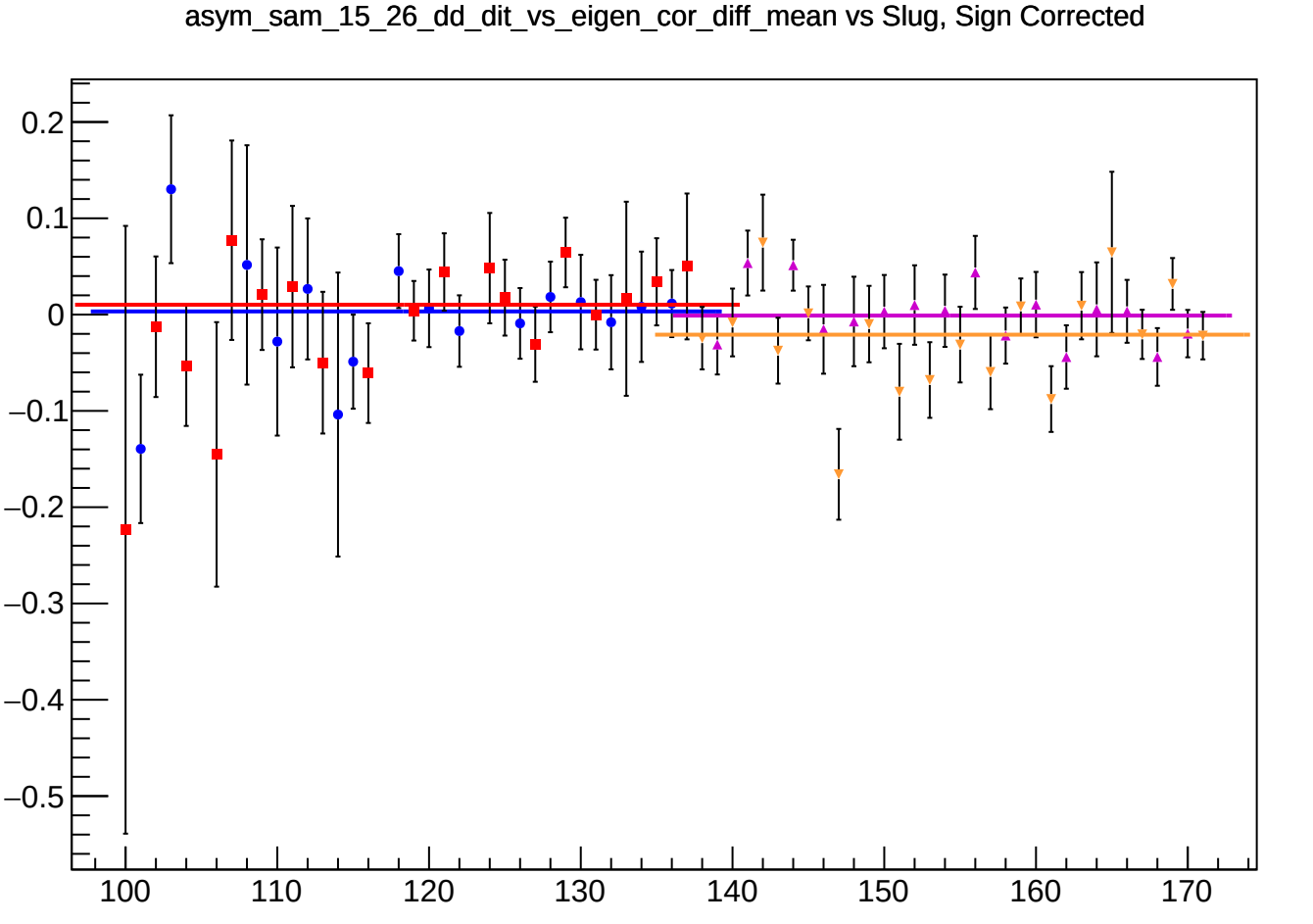
Left: 29.493+/-0.004 χ^2/NDF: 2247839.9/33

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.767+/-0.005 χ^2/NDF:2521516.1/31

Out: 29.432+/-0.005 χ^2/NDF:3265465.3/36

All: 29.592+/-0.003 χ^2/NDF: 5789402.7/68



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: -0.001+/-0.008 χ^2/NDF:14.1/15

Left: -0.011+/-0.006 χ^2/NDF: 45.6/33

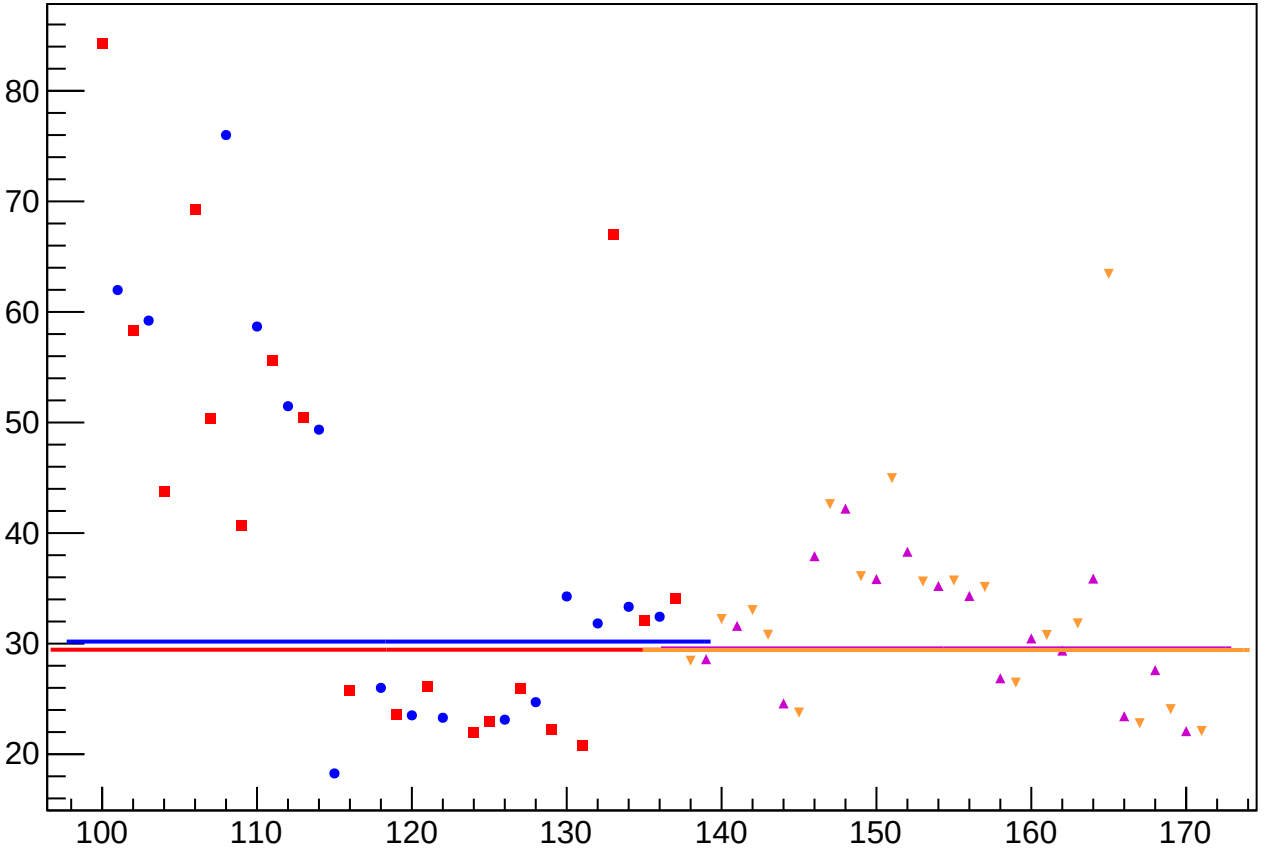
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.007 χ^2/NDF:24.3/31

Out: -0.011+/-0.007 χ^2/NDF:44.6/36

All: -0.006+/-0.005 χ^2/NDF: 70.3/68

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416820.7/17

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 29.569+/-0.006 χ^2/NDF:830705.0/15

Left: 29.493+/-0.004 χ^2/NDF: 2247839.9/33

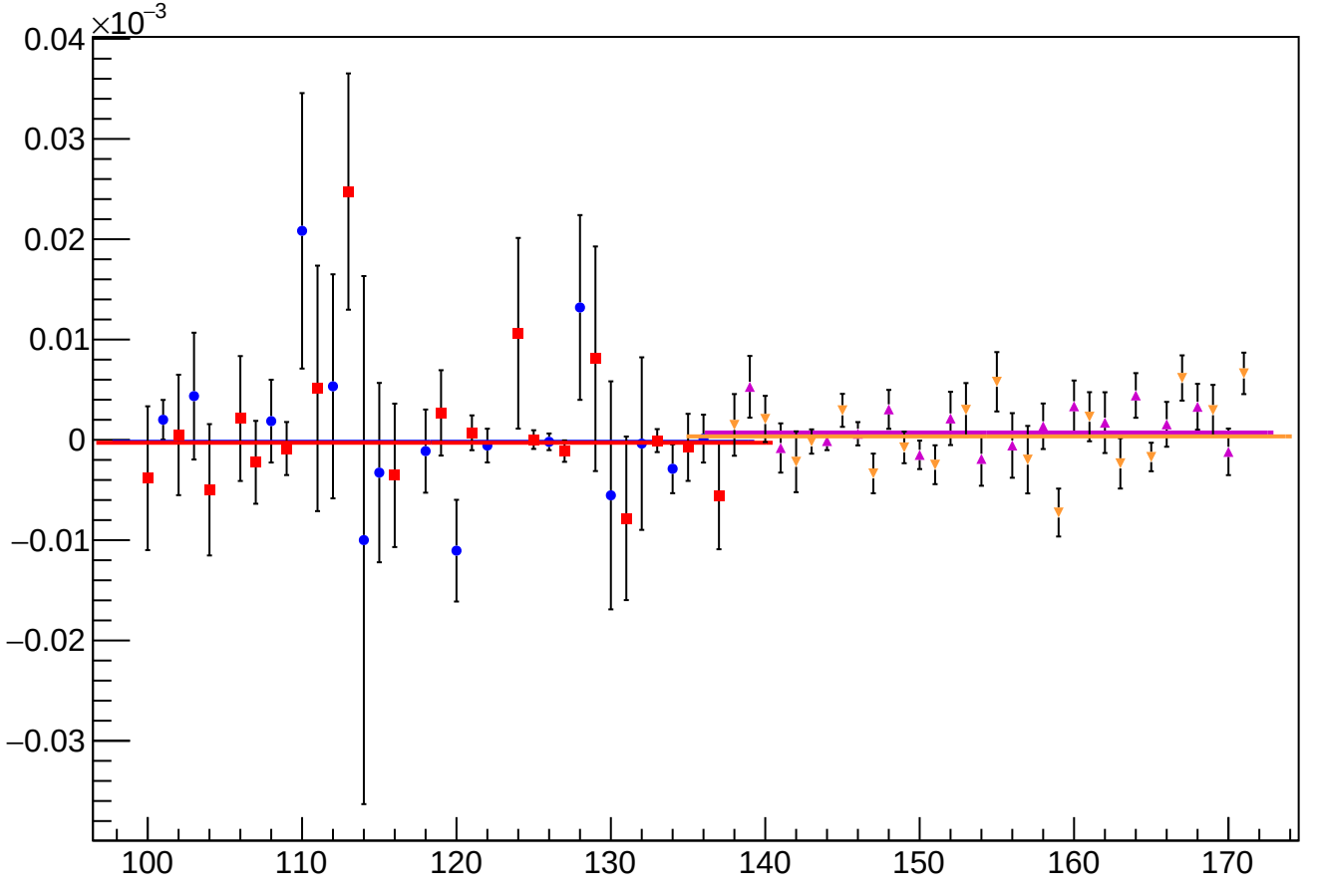
Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.767+/-0.005 χ^2/NDF:2521516.1/31

Out: 29.432+/-0.005 χ^2/NDF:3265465.3/36

All: 29.592+/-0.003 χ^2/NDF: 5789402.7/68

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:14.8/15

Left: 0.000+/-0.000 χ^2/NDF: 61.1/33

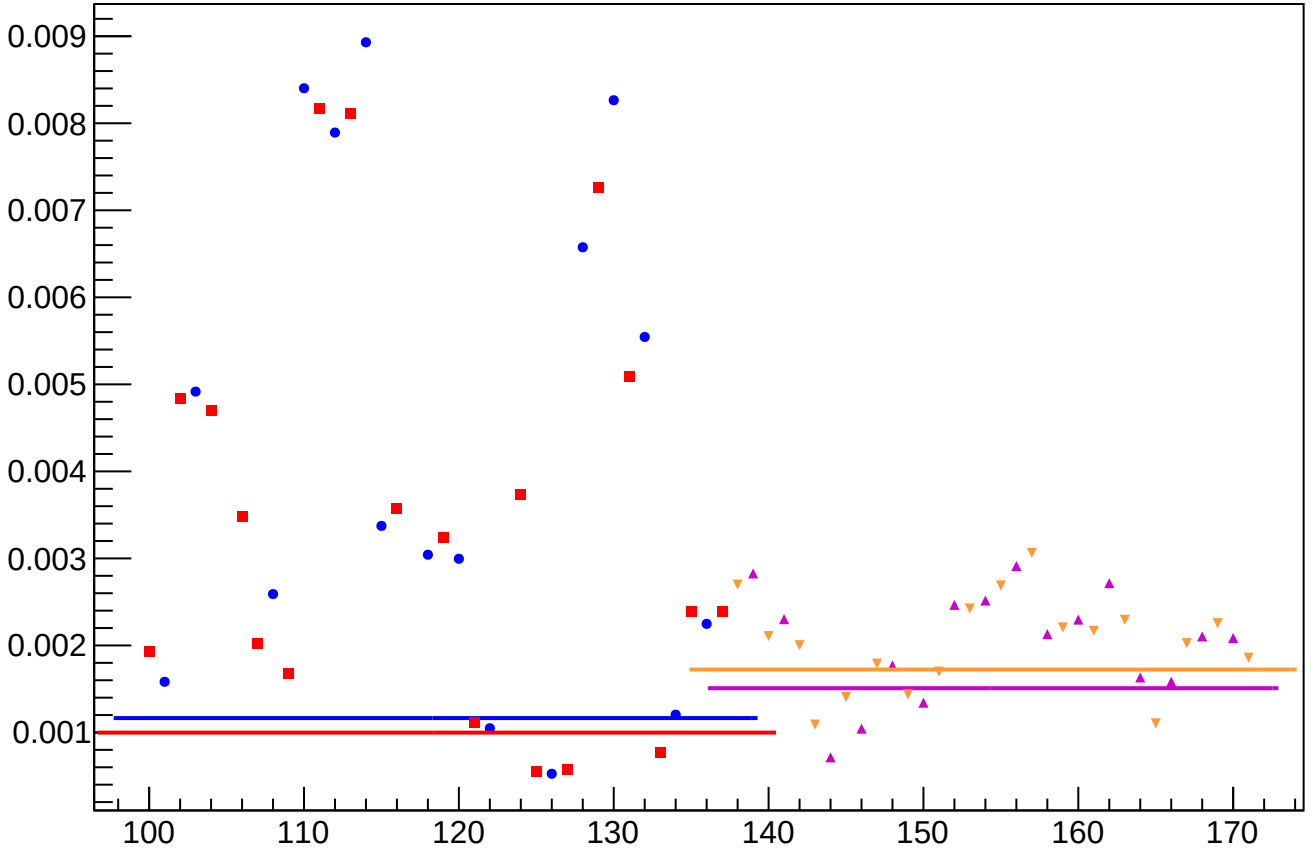
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:29.3/31

Out: 0.000+/-0.000 χ^2/NDF:58.2/36

All: 0.000+/-0.000 χ^2/NDF: 88.0/68

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



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: 0.002+/-0.000 χ^2/NDF:4329678.7/15

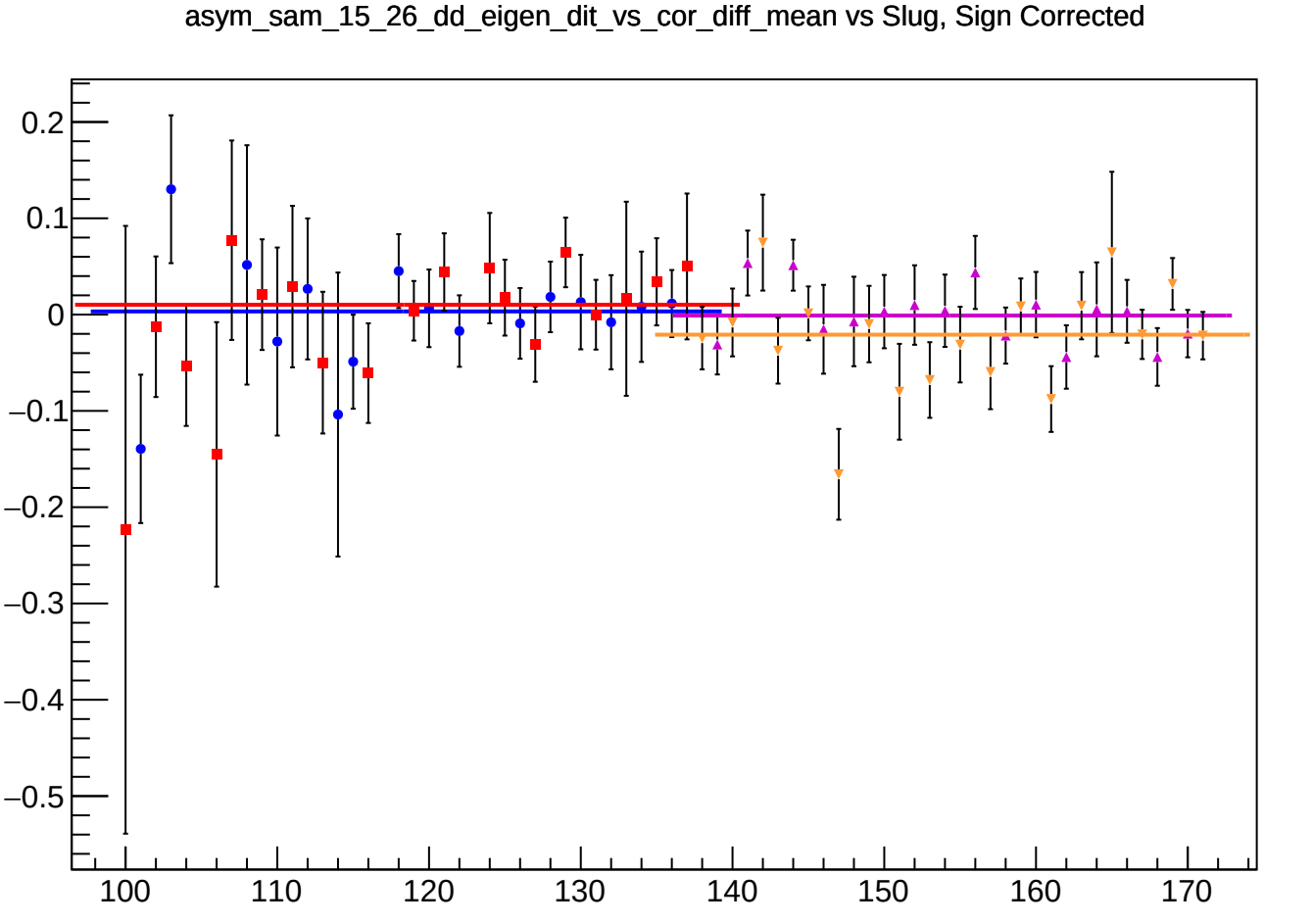
Left: 0.002+/-0.000 χ^2/NDF: 6928426.2/33

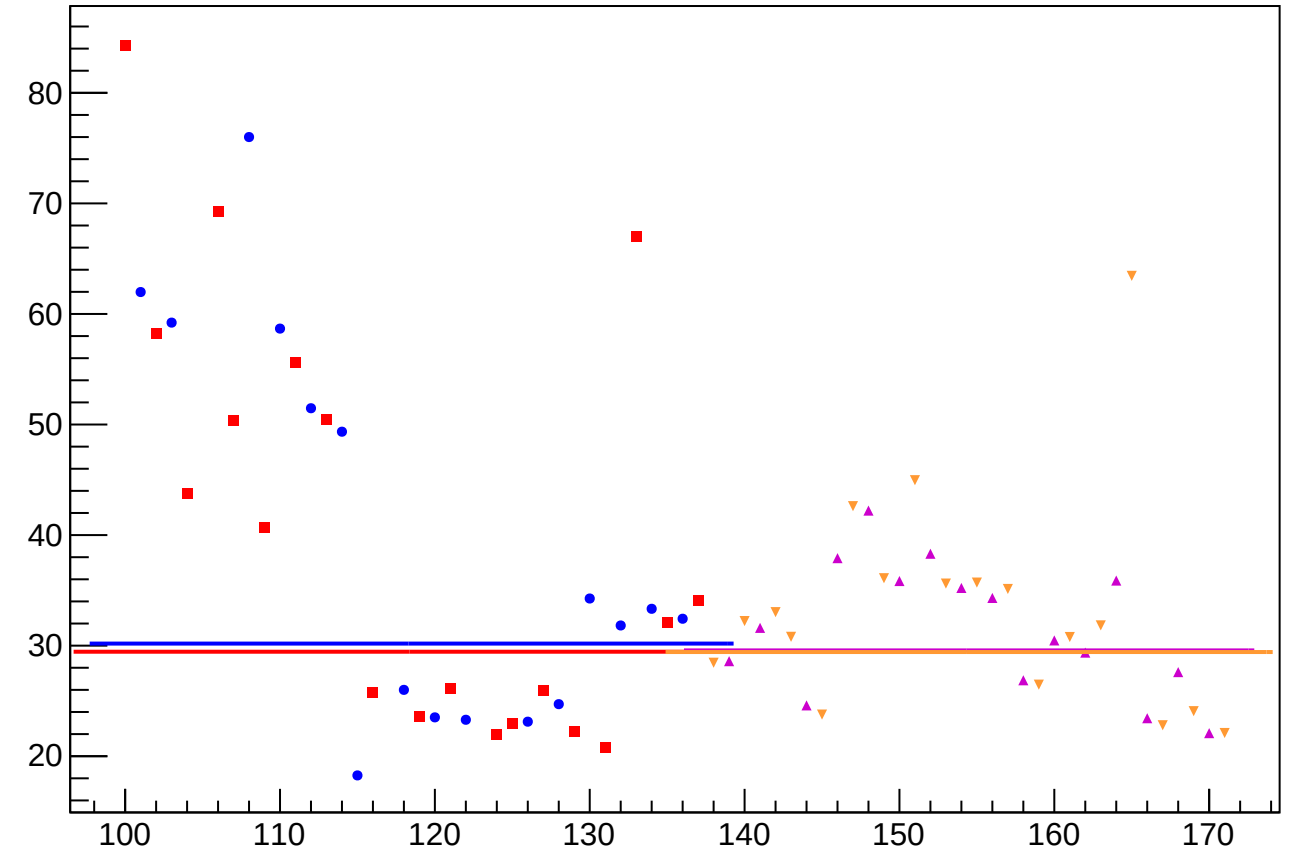
Right: 0.001+/-0.000 χ^2/NDF: 13904727.1/34

In: 0.001+/-0.000 χ^2/NDF:11607697.6/31

Out: 0.001+/-0.000 χ^2/NDF:11411631.3/36

All: 0.001+/-0.000 χ^2/NDF: 23019675.6/68


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: -0.001+/-0.008 χ²/NDF:14.1/15
Left: -0.011+/-0.006 χ²/NDF: 45.6/33
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: 0.000+/-0.007 χ²/NDF:24.3/31
Out: -0.011+/-0.007 χ²/NDF:44.6/36
All: -0.006+/-0.005 χ²/NDF: 70.3/68



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: 29.569+/-0.006 χ^2/NDF:830687.4/15

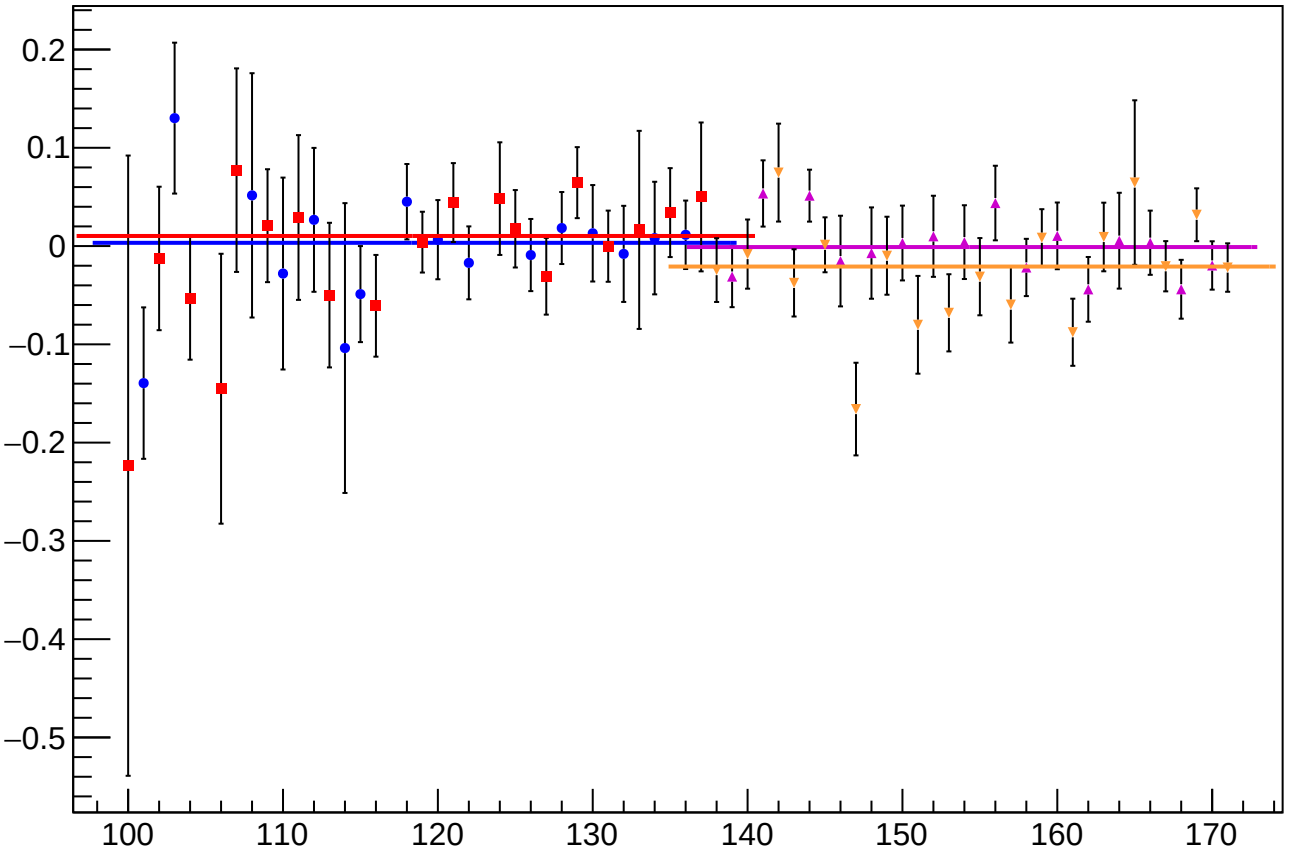
Left: 29.493+/-0.004 χ^2/NDF: 2247808.2/33

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.767+/-0.005 χ^2/NDF:2521311.5/31

Out: 29.432+/-0.005 χ^2/NDF:3265446.8/36

All: 29.593+/-0.003 χ^2/NDF: 5789182.7/68



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: -0.001+/-0.008 χ^2/NDF:14.1/15

Left: -0.011+/-0.006 χ^2/NDF: 45.6/33

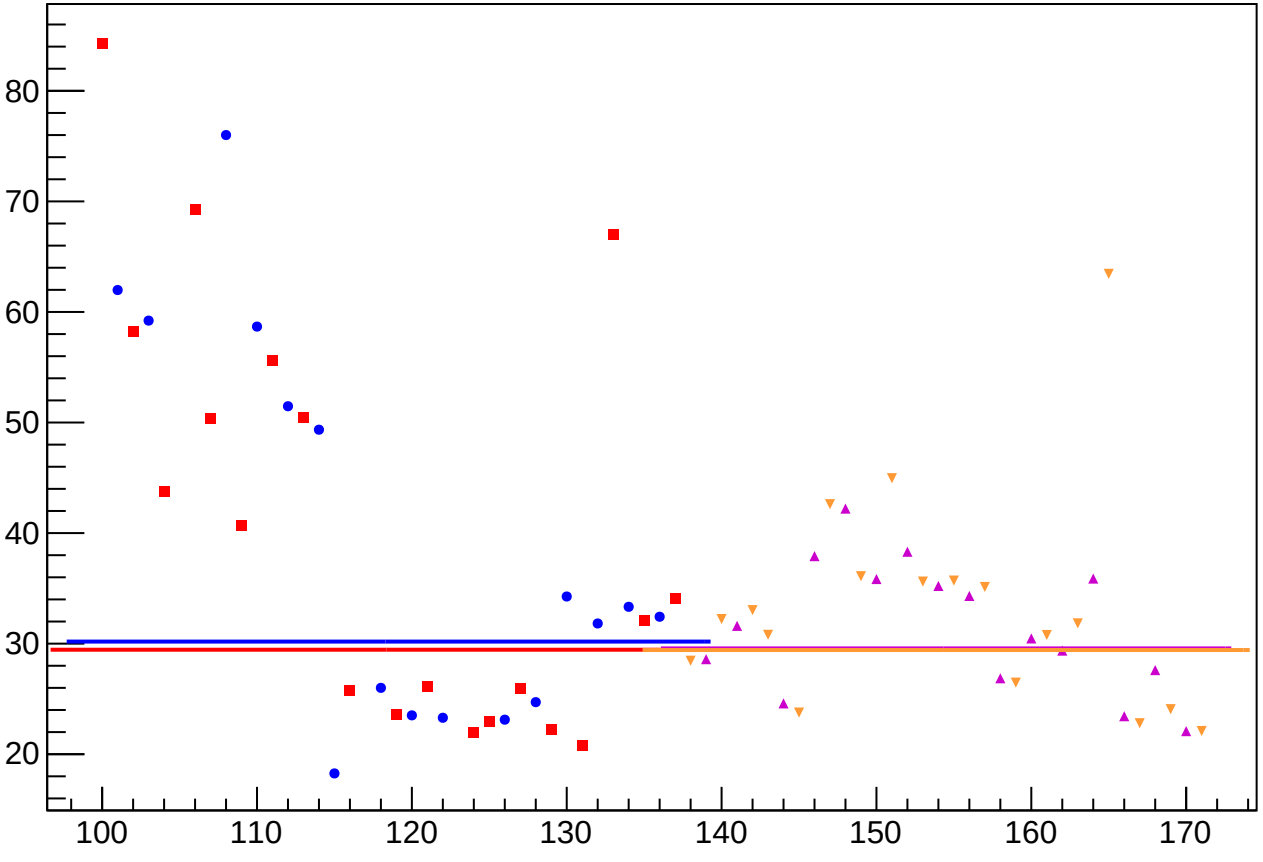
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: 0.000+/-0.007 χ^2/NDF:24.3/31

Out: -0.011+/-0.007 χ^2/NDF:44.6/36

All: -0.006+/-0.005 χ^2/NDF: 70.3/68

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 29.423+/-0.006 χ^2/NDF:1416806.5/17

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 29.569+/-0.006 χ^2/NDF:830687.4/15

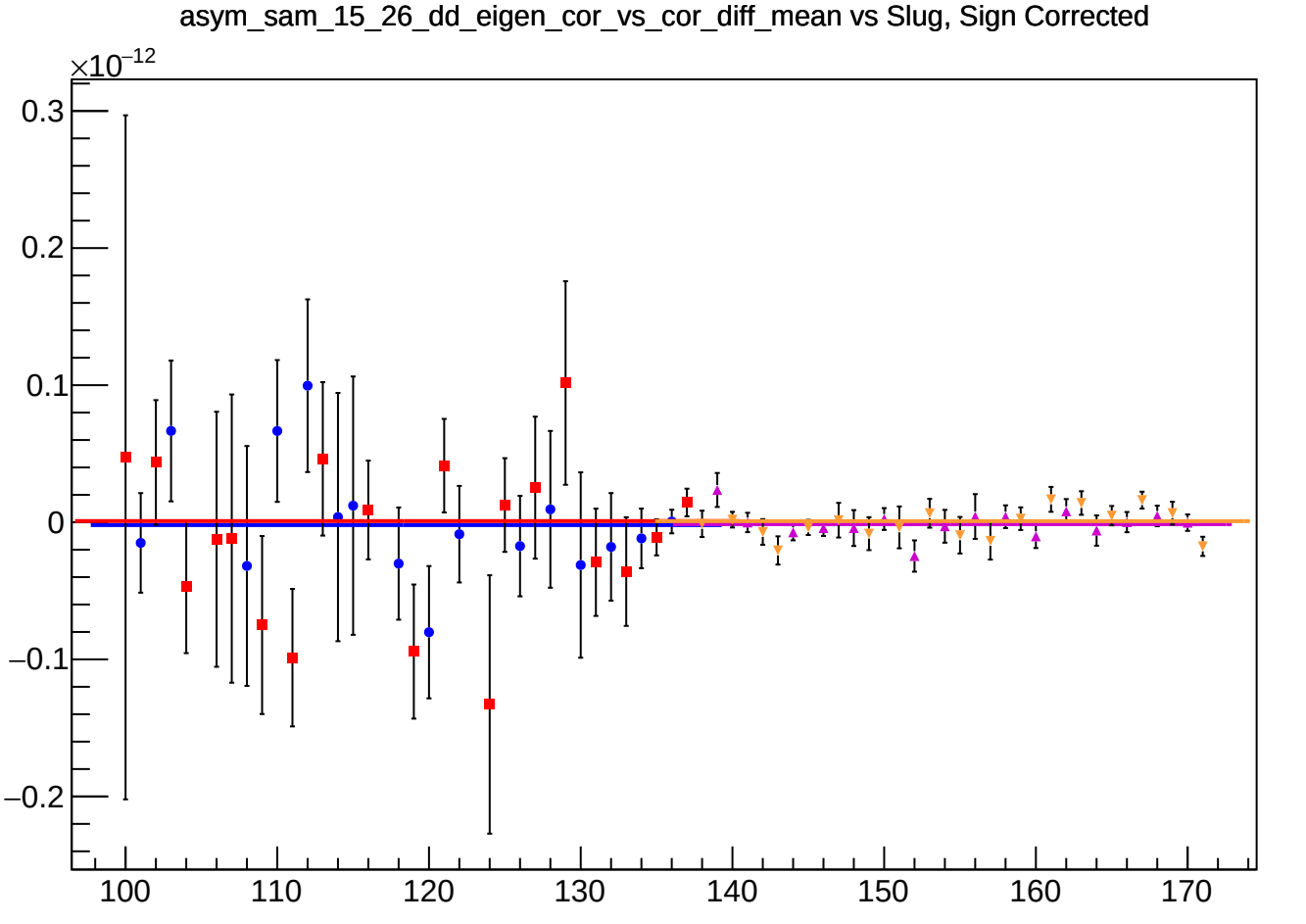
Left: 29.493+/-0.004 χ^2/NDF: 2247808.2/33

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.767+/-0.005 χ^2/NDF:2521311.5/31

Out: 29.432+/-0.005 χ^2/NDF:3265446.8/36

All: 29.593+/-0.003 χ^2/NDF: 5789182.7/68



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:13.4/15

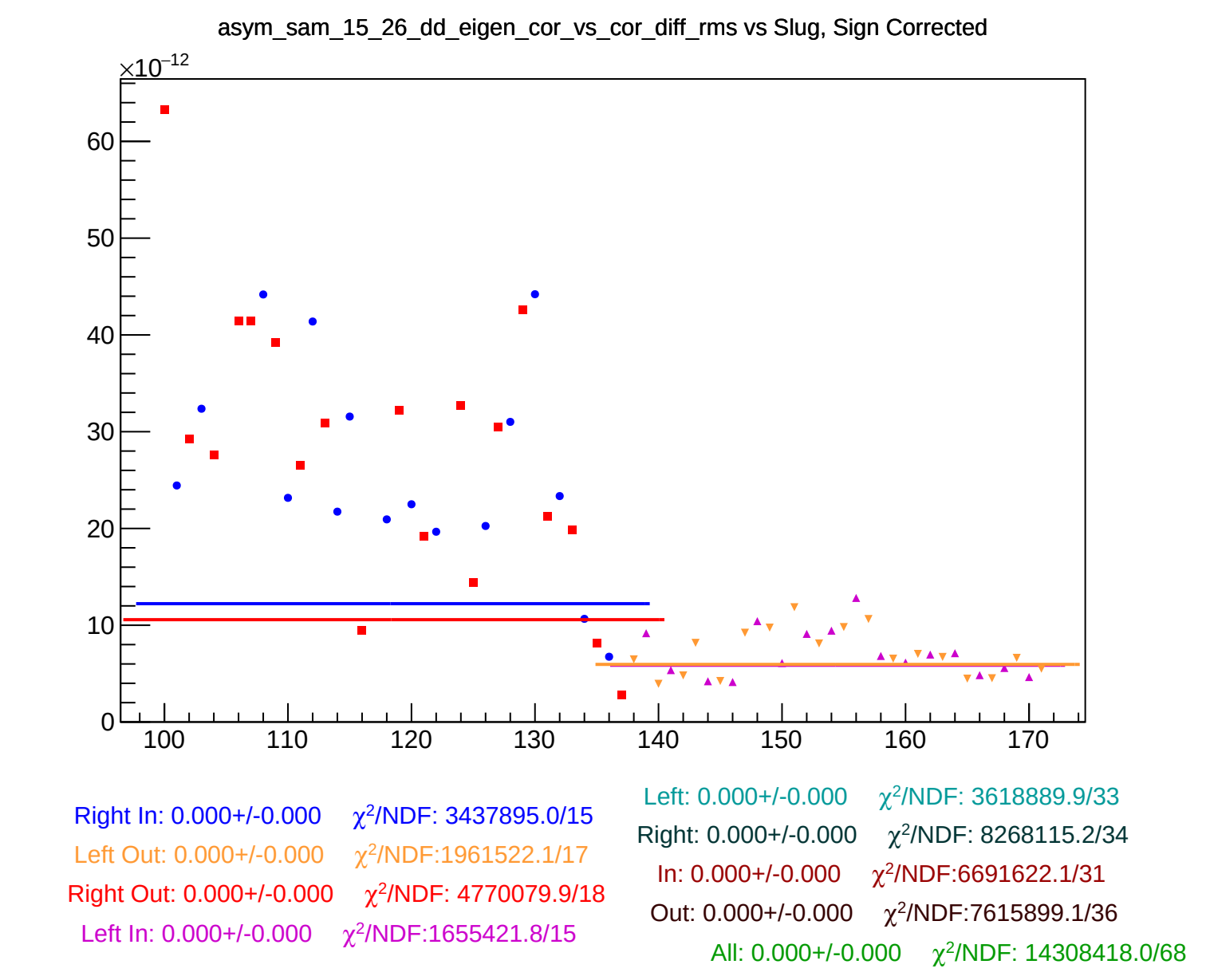
Left: -0.000+/-0.000 χ^2/NDF: 41.9/33

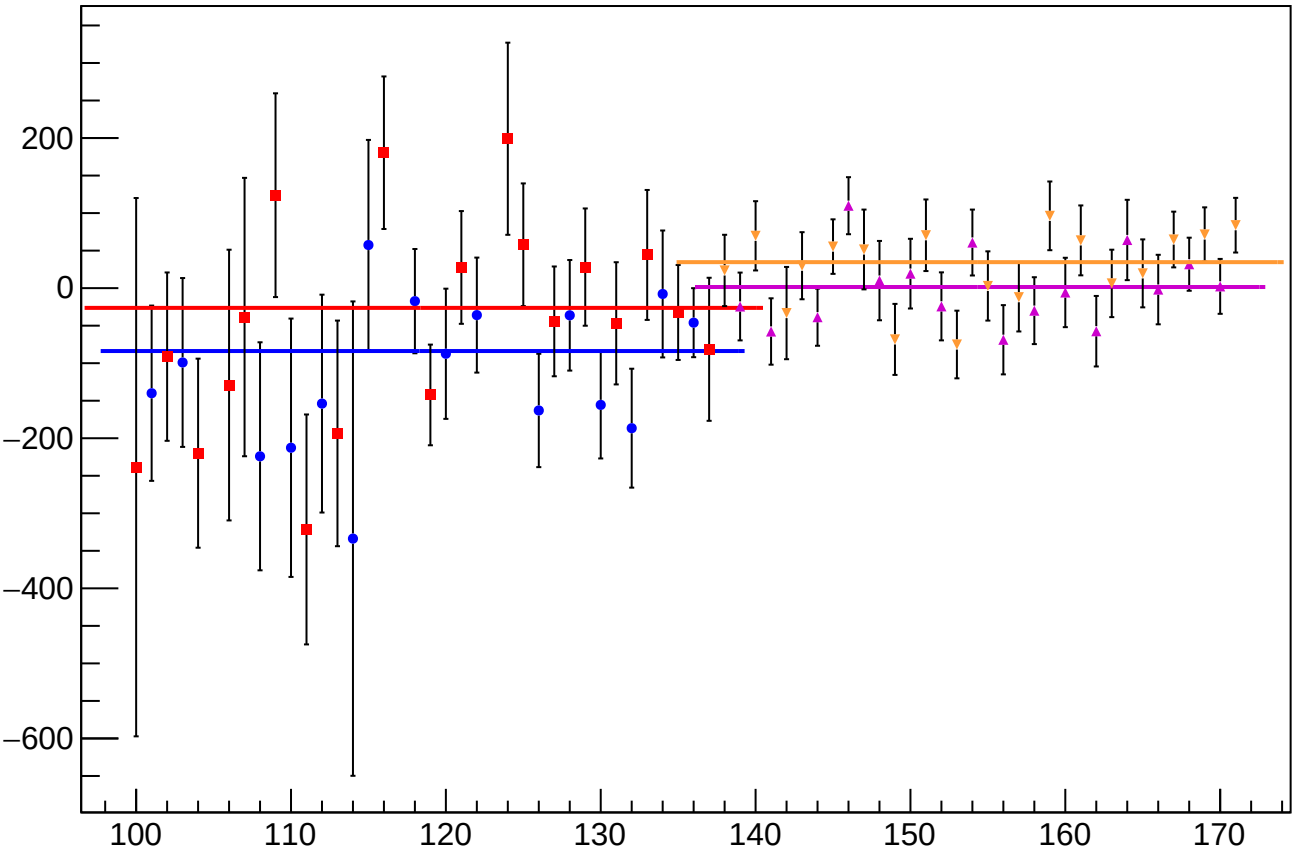
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:23.9/31

Out: 0.000+/-0.000 χ^2/NDF:49.2/36

All: -0.000+/-0.000 χ^2/NDF: 73.8/68


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3437895.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1961522.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 4770079.9/18
Left In: 0.000+/-0.000 χ²/NDF:1655421.8/15
Left: 0.000+/-0.000 χ²/NDF: 3618889.9/33
Right: 0.000+/-0.000 χ²/NDF: 8268115.2/34
In: 0.000+/-0.000 χ²/NDF:6691622.1/31
Out: 0.000+/-0.000 χ²/NDF:7615899.1/36
All: 0.000+/-0.000 χ²/NDF: 14308418.0/68



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 34.632+/-10.379 χ^2/NDF:21.3/17

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 1.513+/-10.868 χ^2/NDF:20.2/15

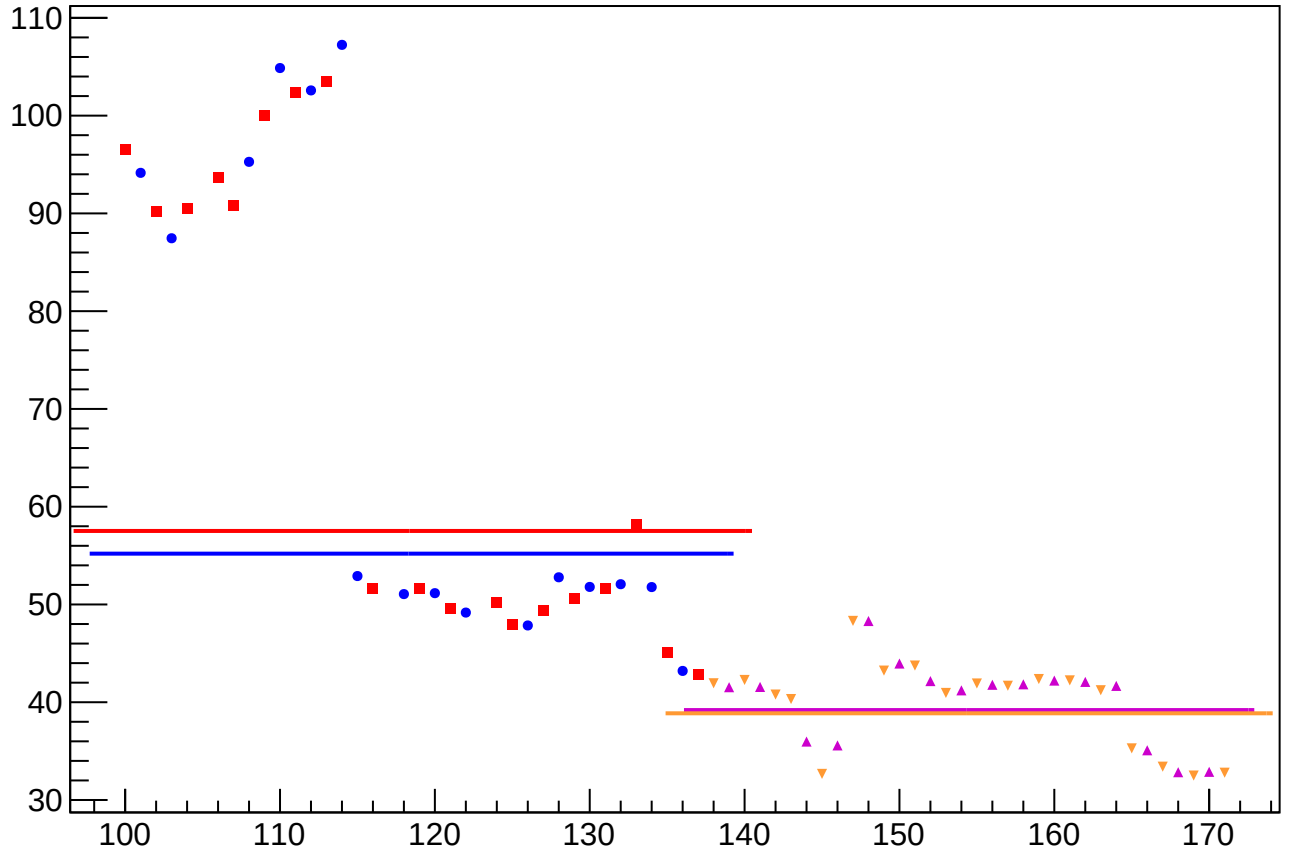
Left: 18.833+/-7.506 χ^2/NDF: 46.3/33

Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -15.935+/-9.693 χ^2/NDF:43.4/31

Out: 23.593+/-9.392 χ^2/NDF:50.5/36

All: 4.452+/-6.745 χ^2/NDF: 102.4/68



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: 39.198+/-0.008 χ^2/NDF:310272.5/15

Left: 39.025+/-0.005 χ^2/NDF: 715810.9/33

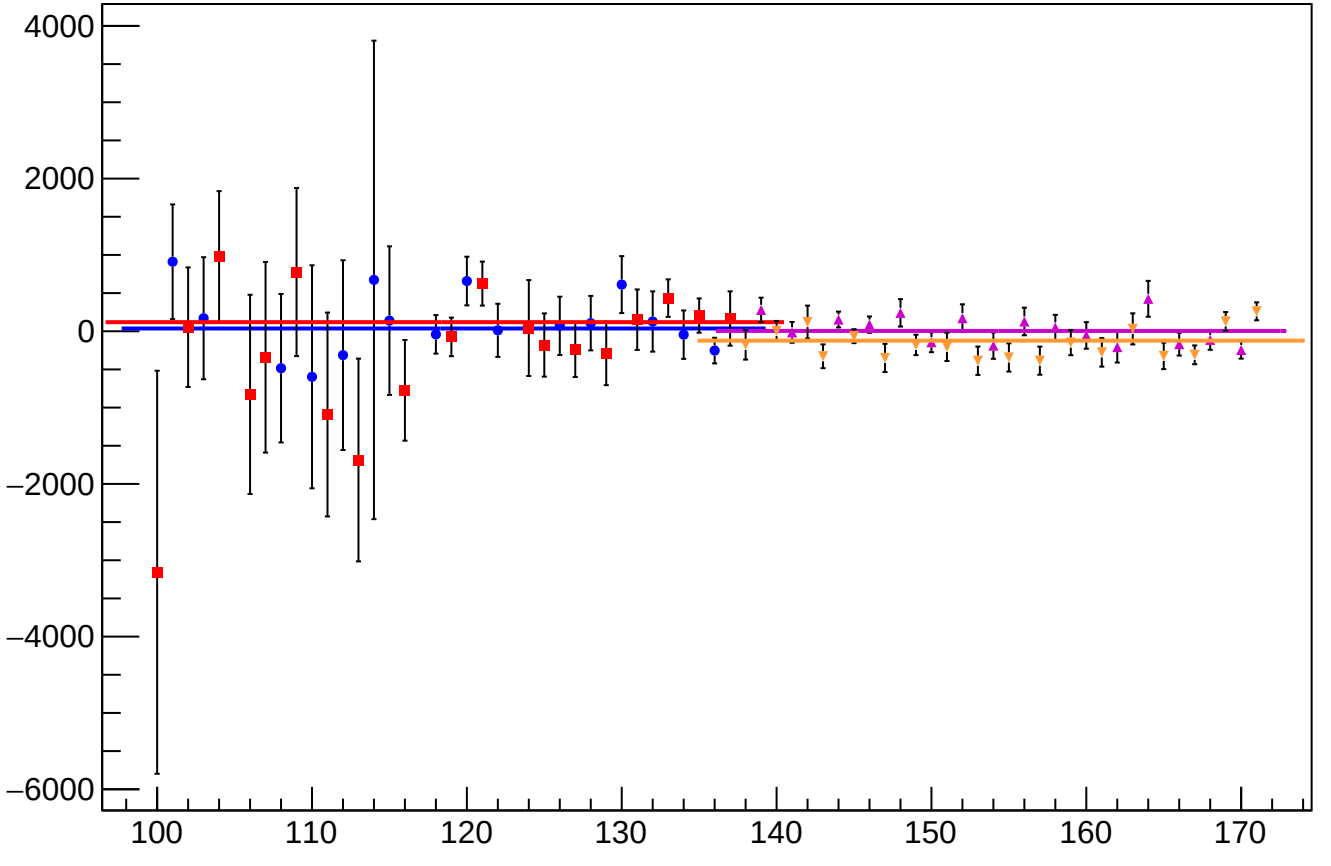
Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 42.470+/-0.007 χ^2/NDF:2349338.1/31

Out: 42.246+/-0.007 χ^2/NDF:2856390.3/36

All: 42.355+/-0.005 χ^2/NDF: 5206278.0/68

asym_sam_37_26_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.961+/-35.434 χ^2/NDF:31.6/17

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 4.292+/-36.481 χ^2/NDF:22.7/15

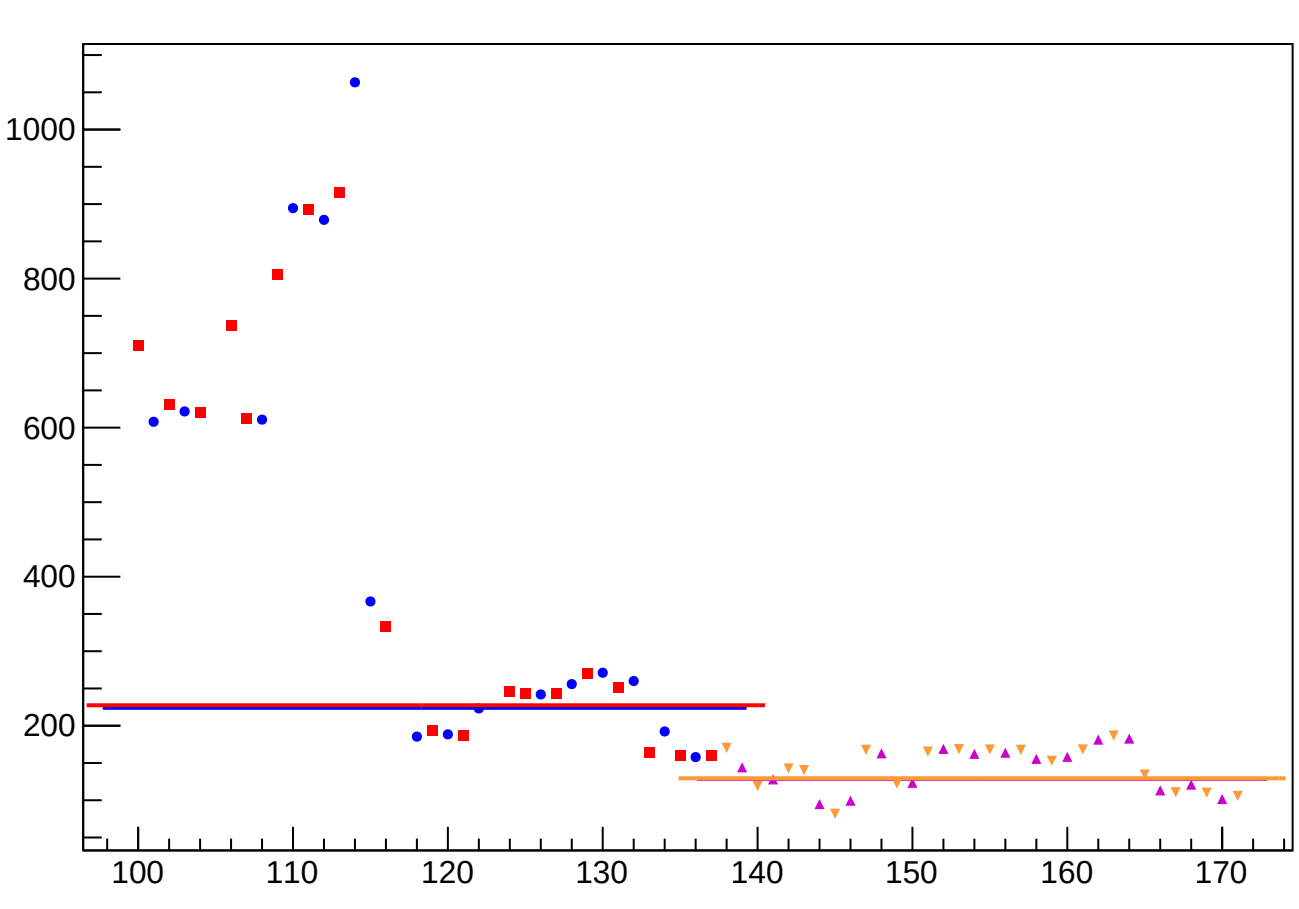
Left: -61.187+/-25.418 χ^2/NDF: 60.6/33

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 8.520+/-33.989 χ^2/NDF:34.2/31

Out: -93.841+/-33.235 χ^2/NDF:53.2/36

All: -43.808+/-23.763 χ^2/NDF: 92.1/68



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: 128.657+/-0.026 χ^2/NDF:1201053.3/15

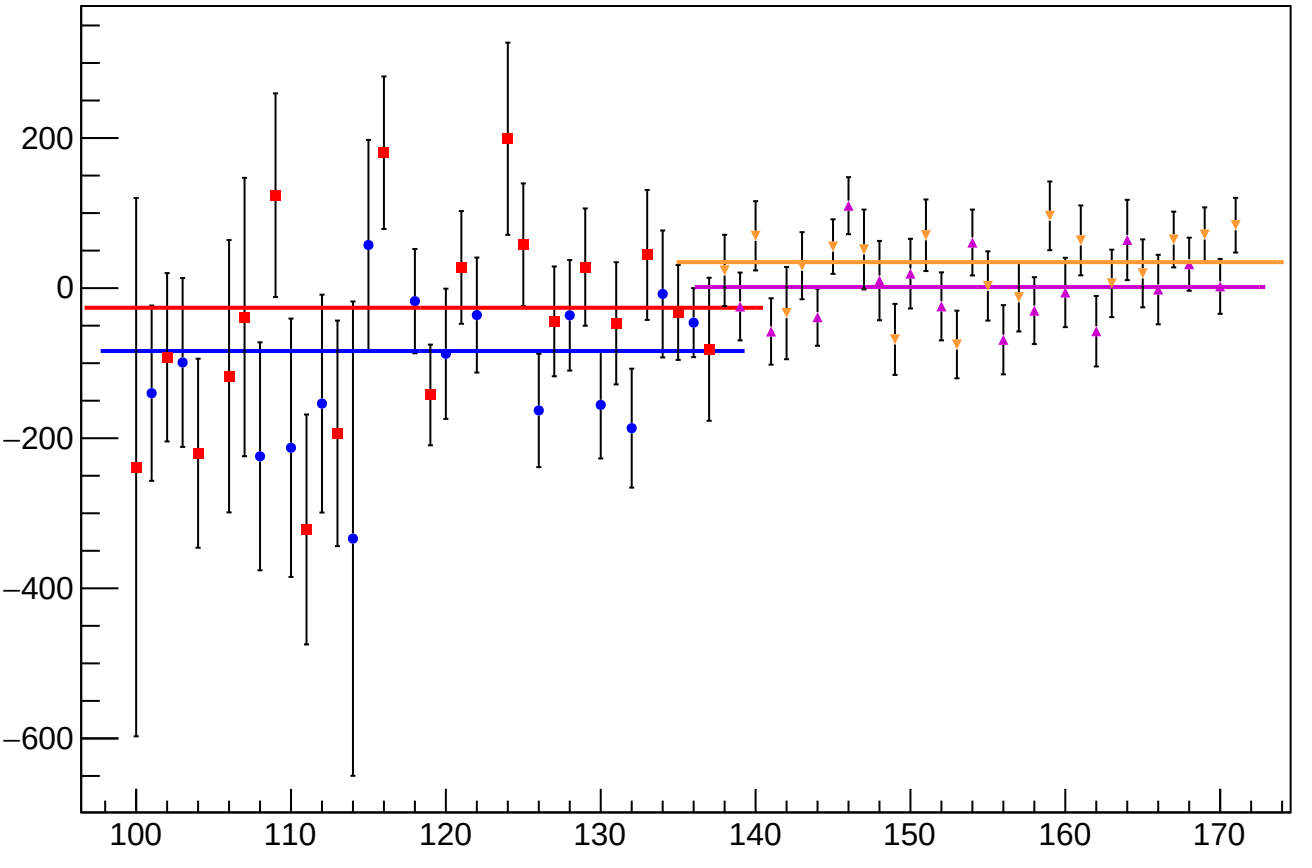
Left: 129.061+/-0.018 χ^2/NDF: 2751790.4/33

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 141.245+/-0.024 χ^2/NDF:5973442.4/31

Out: 141.230+/-0.024 χ^2/NDF:7031121.9/36

All: 141.237+/-0.017 χ^2/NDF: 13004564.5/68



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: 1.512+/-10.868 χ^2/NDF:20.2/15

Left: 18.833+/-7.506 χ^2/NDF: 46.3/33

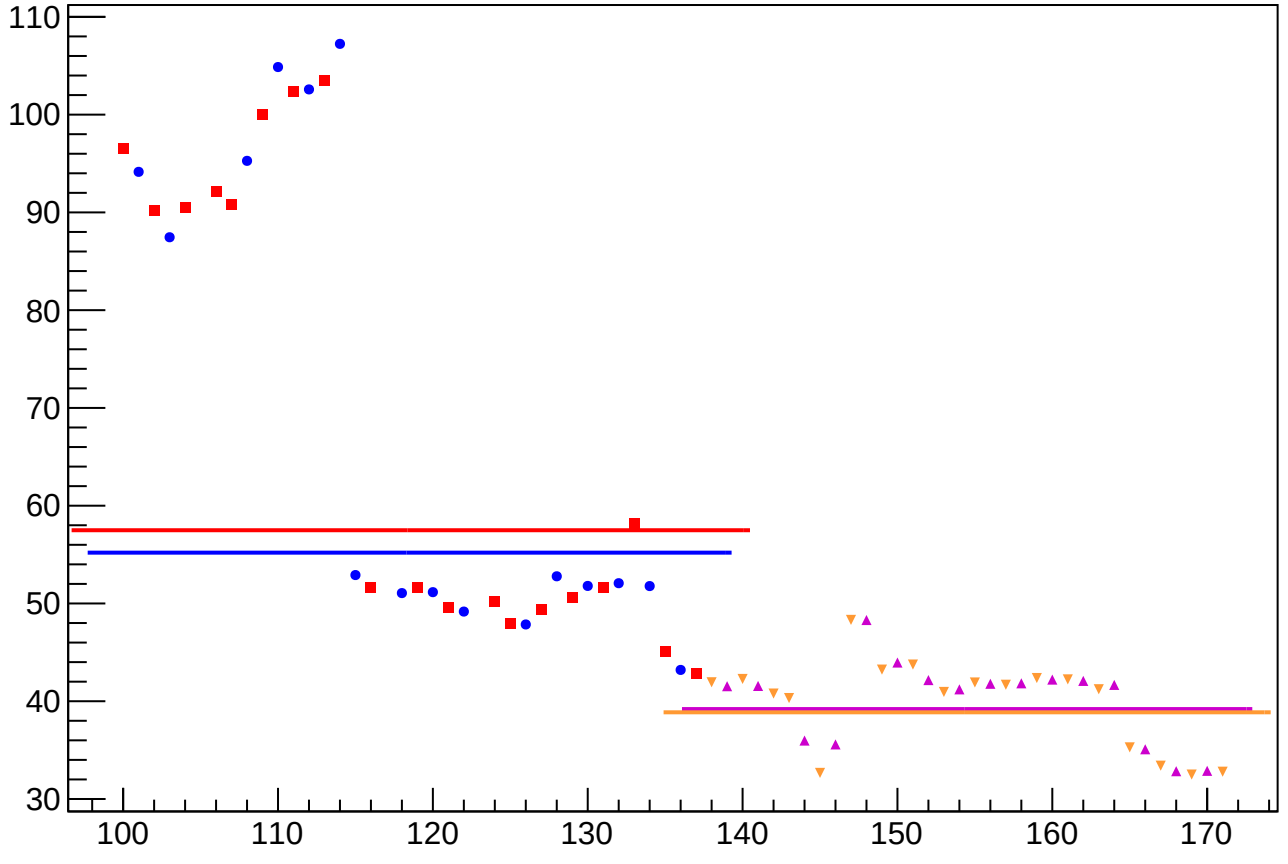
Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -15.936+/-9.693 χ^2/NDF:43.4/31

Out: 23.624+/-9.393 χ^2/NDF:50.4/36

All: 4.467+/-6.745 χ^2/NDF: 102.3/68

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: 39.198+/-0.008 χ^2/NDF:310272.5/15

Left: 39.025+/-0.005 χ^2/NDF: 715810.9/33

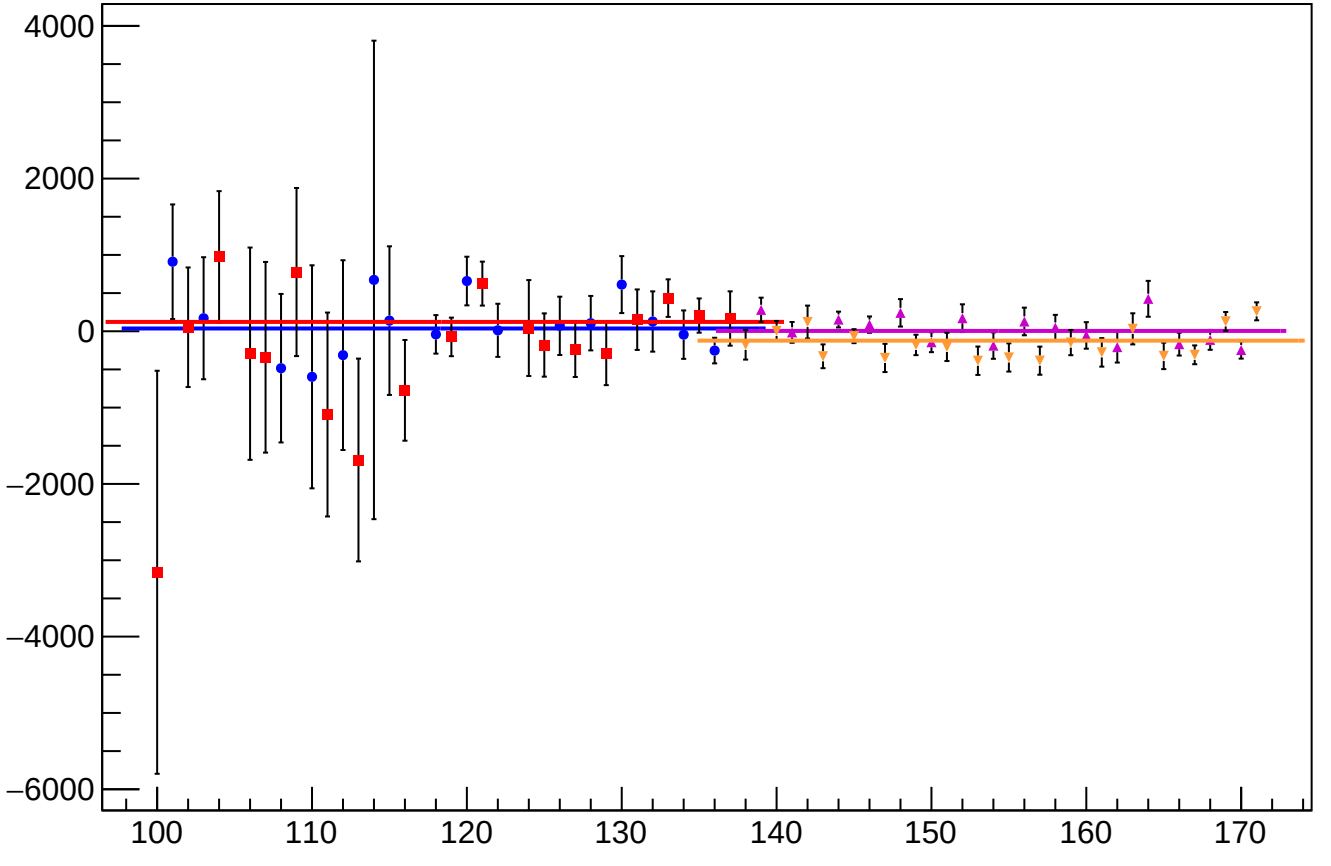
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 42.470+/-0.007 χ^2/NDF:2349338.3/31

Out: 42.240+/-0.007 χ^2/NDF:2845181.4/36

All: 42.352+/-0.005 χ^2/NDF: 5195098.0/68

asym_sam_37_26_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -122.963+/-35.434 χ^2/NDF:31.6/17

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 4.293+/-36.481 χ^2/NDF:22.7/15

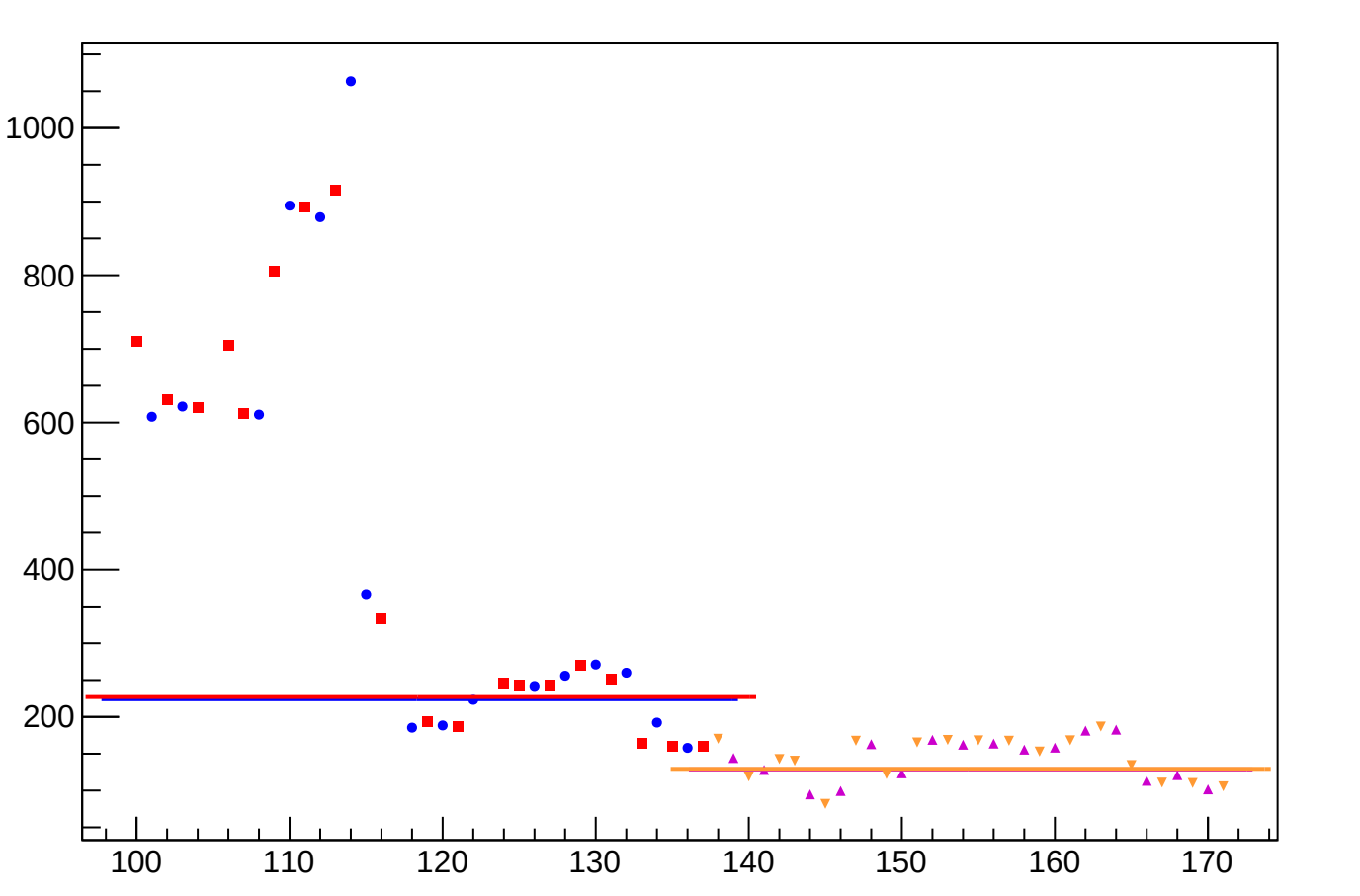
Left: -61.187+/-25.418 χ^2/NDF: 60.6/33

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 8.520+/-33.989 χ^2/NDF:34.2/31

Out: -93.484+/-33.236 χ^2/NDF:52.9/36

All: -43.623+/-23.763 χ^2/NDF: 91.7/68



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: 128.657+/-0.026 χ^2/NDF:1201058.8/15

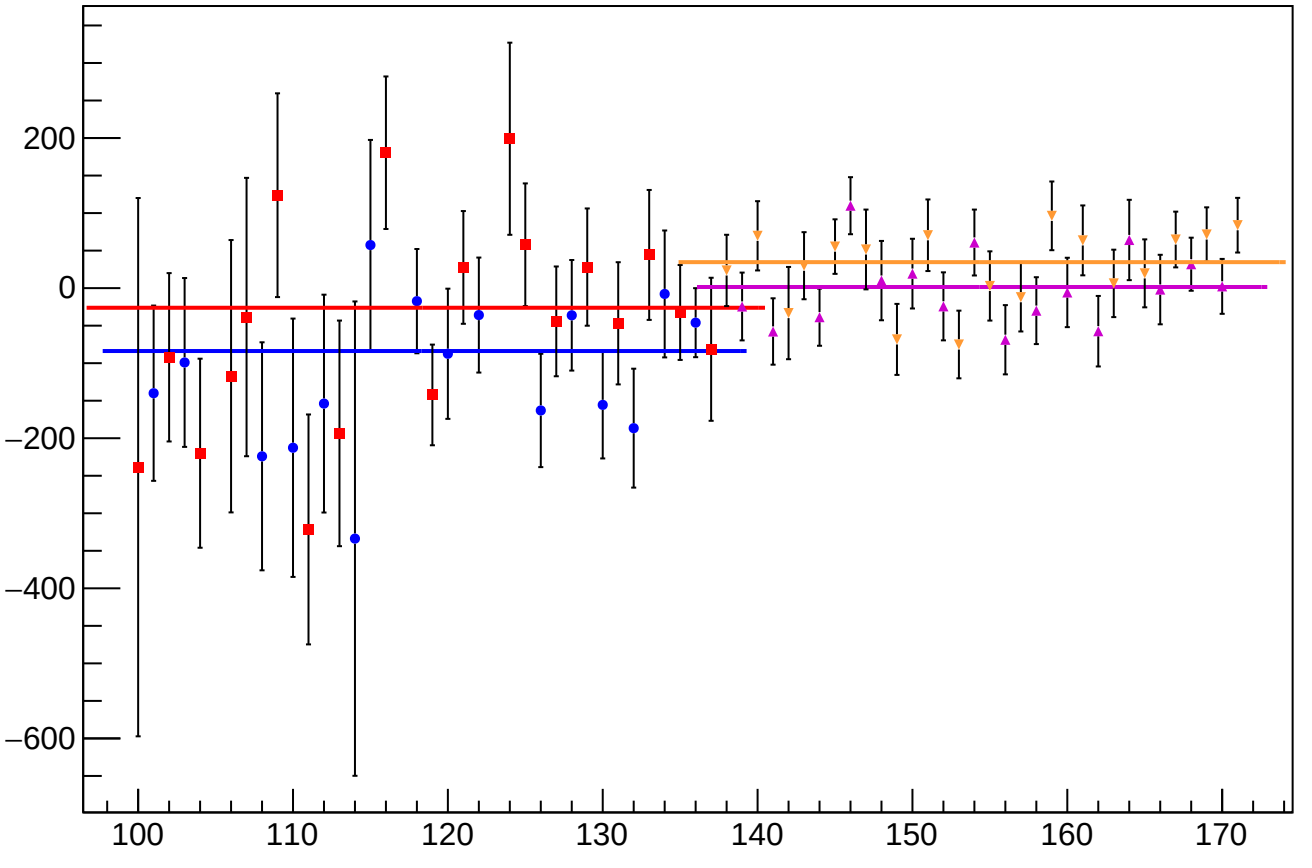
Left: 129.061+/-0.018 χ^2/NDF: 2751799.3/33

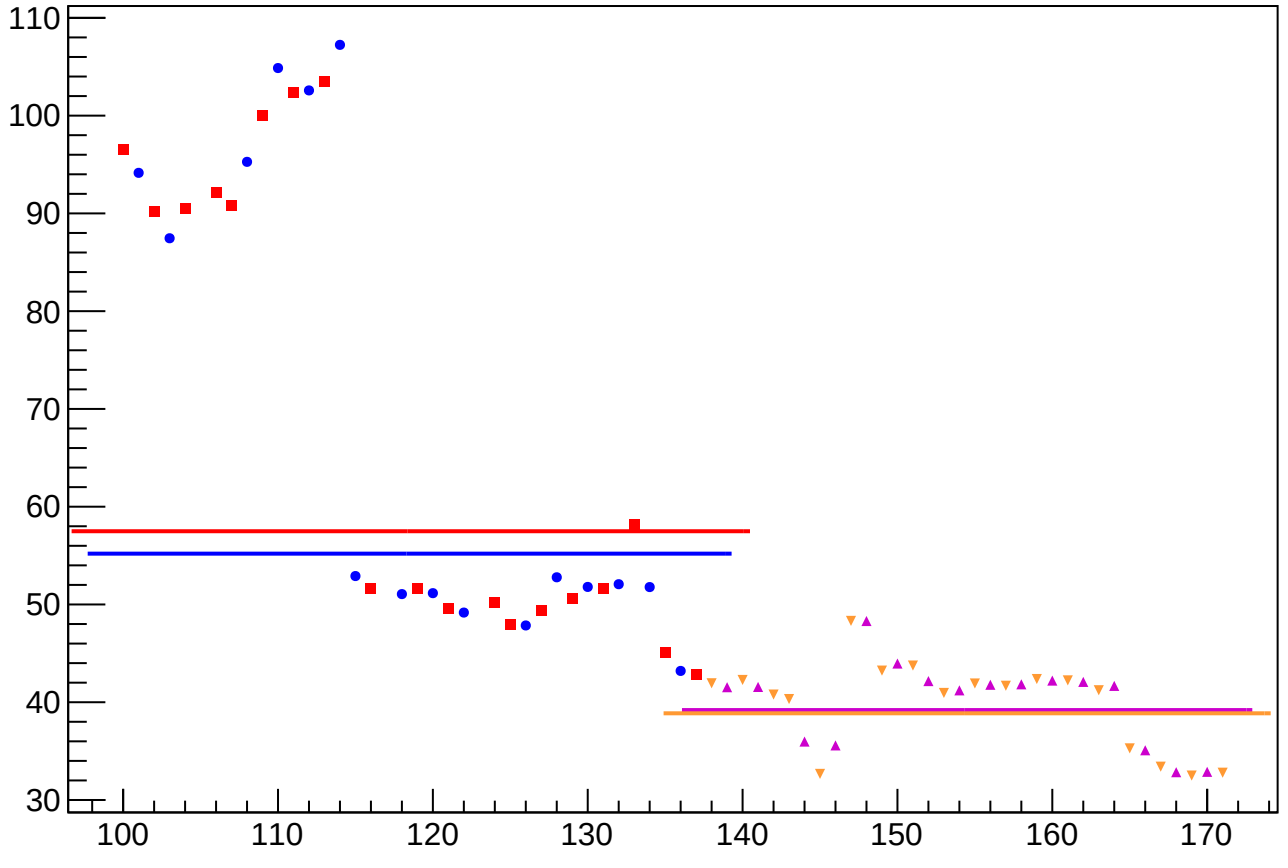
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 141.245+/-0.024 χ^2/NDF:5973457.6/31

Out: 141.165+/-0.024 χ^2/NDF:6943415.5/36

All: 141.204+/-0.017 χ^2/NDF: 12916878.7/68


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: 1.512+/-10.868 χ²/NDF:20.2/15
Left: 18.833+/-7.506 χ²/NDF: 46.3/33
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -15.936+/-9.693 χ²/NDF:43.4/31
Out: 23.624+/-9.393 χ²/NDF:50.4/36
All: 4.467+/-6.745 χ²/NDF: 102.3/68



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: 39.198+/-0.008 χ^2/NDF:310272.5/15

Left: 39.025+/-0.005 χ^2/NDF: 715810.9/33

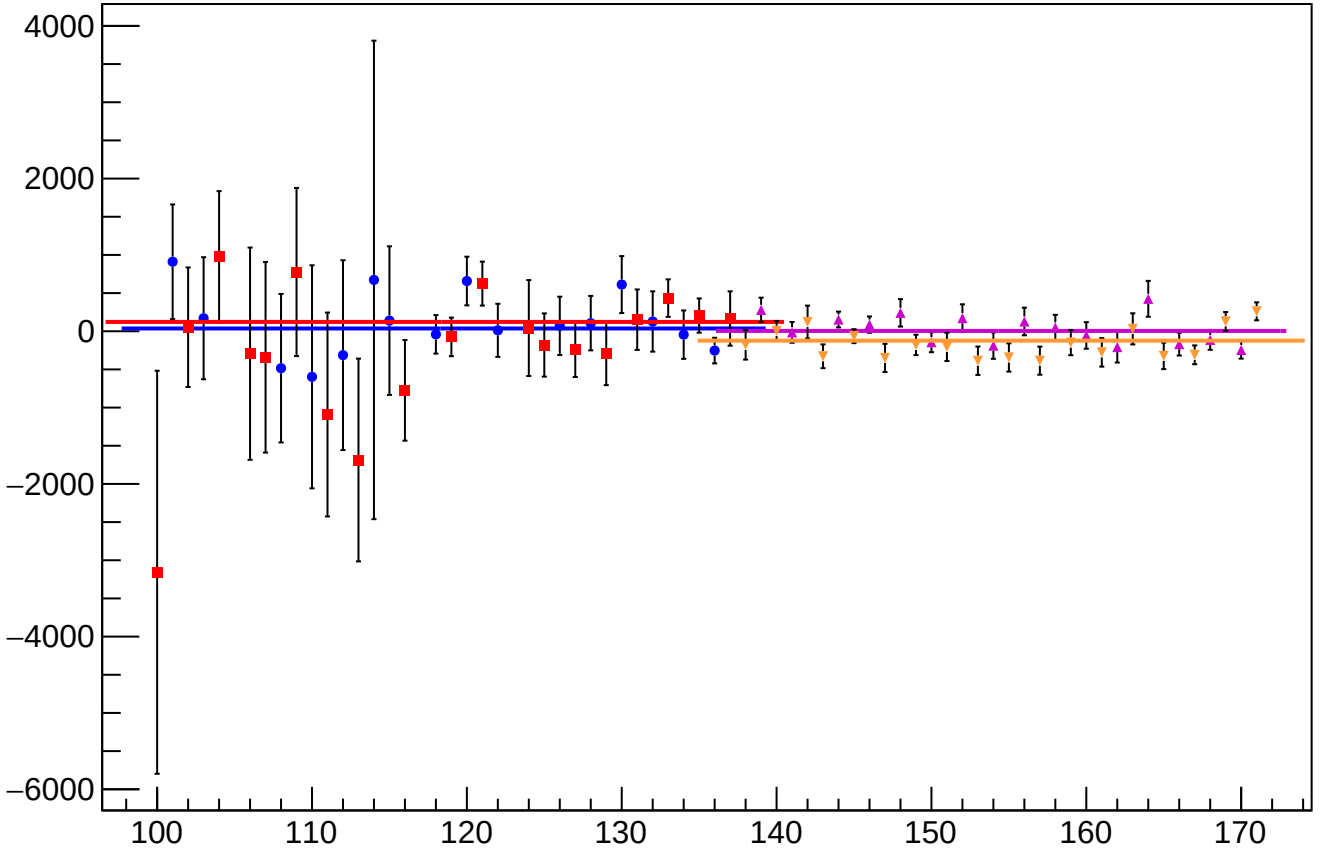
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 42.470+/-0.007 χ^2/NDF:2349338.3/31

Out: 42.240+/-0.007 χ^2/NDF:2845181.4/36

All: 42.352+/-0.005 χ^2/NDF: 5195098.0/68

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: 4.293+/-36.481 χ^2/NDF:22.7/15

Left: -61.187+/-25.418 χ^2/NDF: 60.6/33

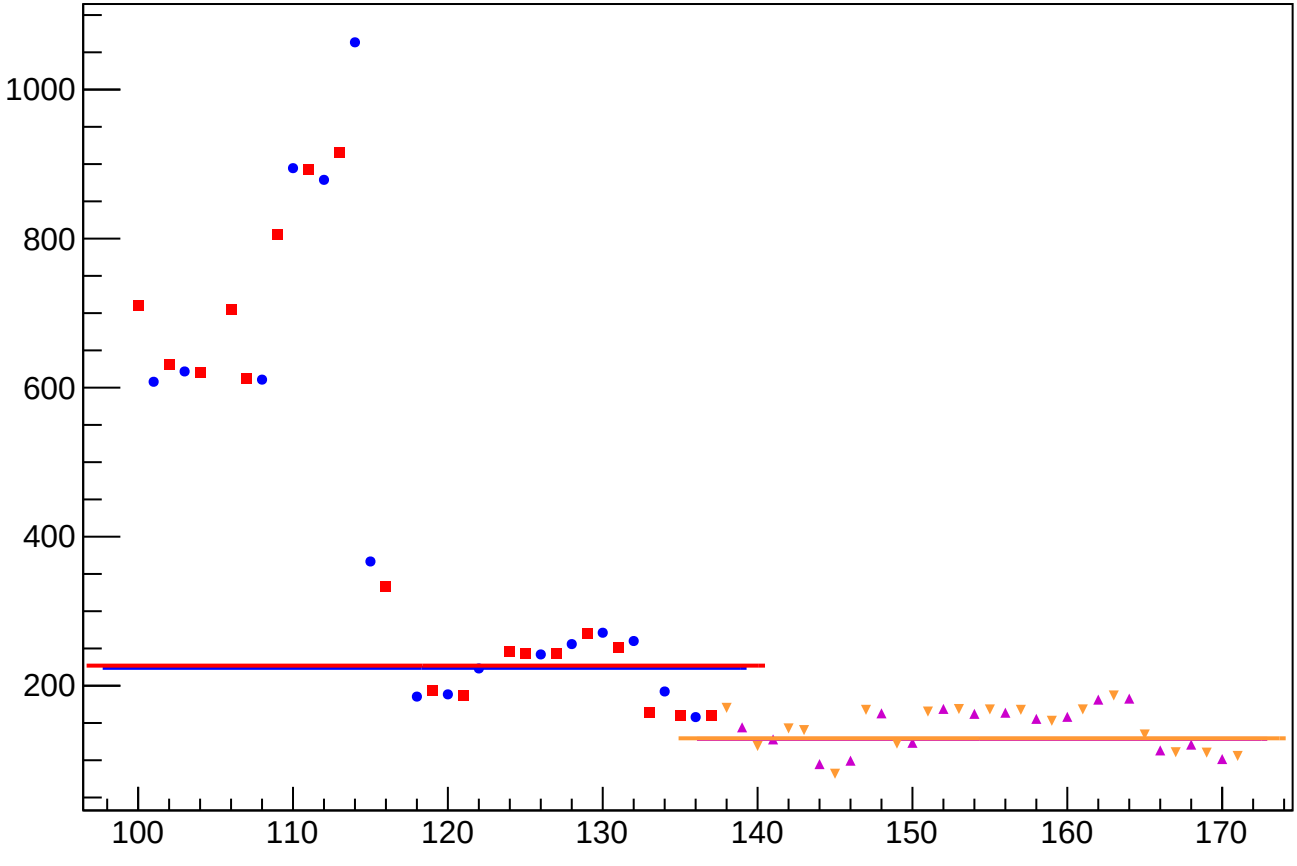
Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 8.520+/-33.989 χ^2/NDF:34.2/31

Out: -93.484+/-33.236 χ^2/NDF:52.9/36

All: -43.623+/-23.763 χ^2/NDF: 91.7/68

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: 128.657+/-0.026 χ^2/NDF:1201058.8/15

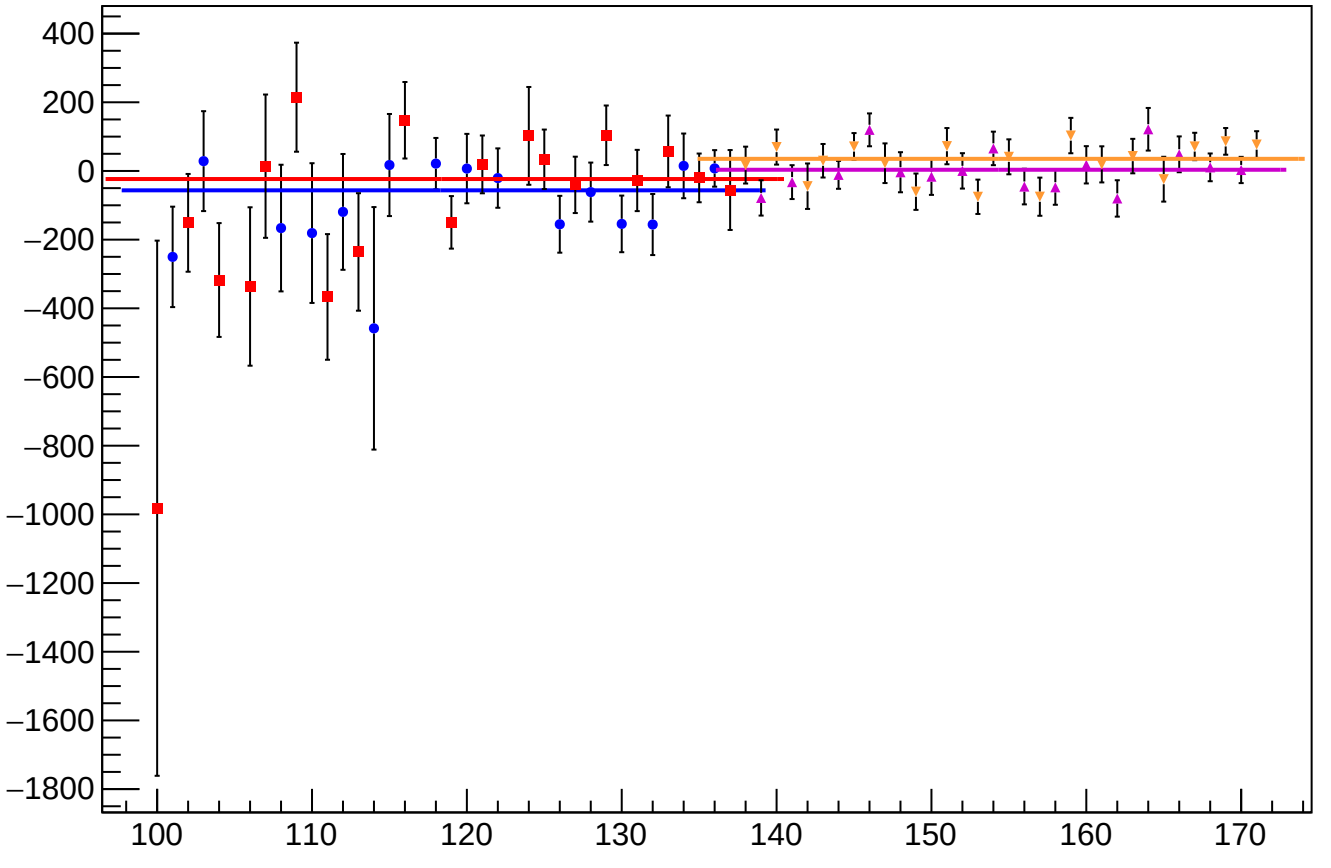
Left: 129.061+/-0.018 χ^2/NDF: 2751799.3/33

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 141.245+/-0.024 χ^2/NDF:5973457.6/31

Out: 141.165+/-0.024 χ^2/NDF:6943415.5/36

All: 141.204+/-0.017 χ^2/NDF: 12916878.7/68



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: 3.492+/-12.262 χ^2/NDF:19.7/15

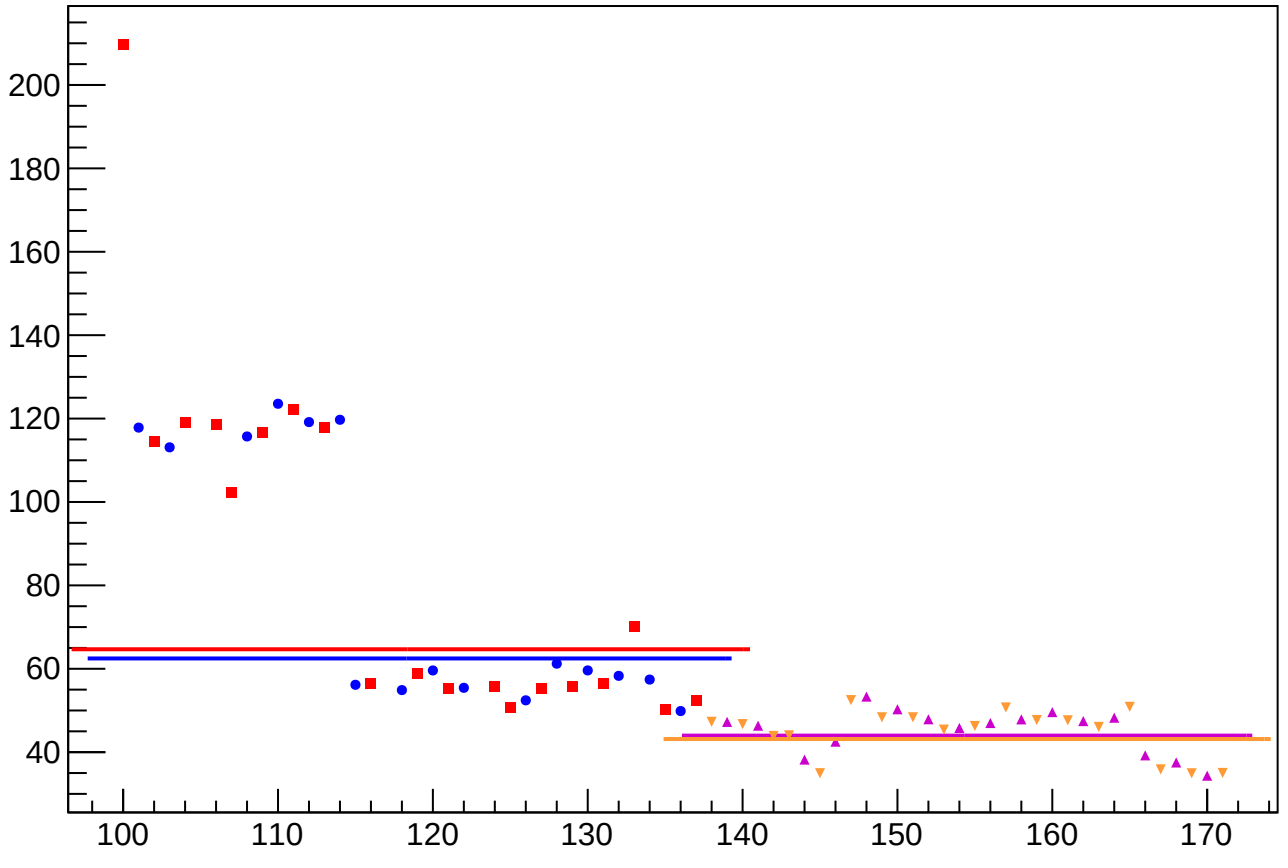
Left: 20.337+/-8.412 χ^2/NDF: 45.2/33

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: -8.517+/-10.965 χ^2/NDF:36.8/31

Out: 25.061+/-10.506 χ^2/NDF:50.5/36

All: 8.988+/-7.586 χ^2/NDF: 92.1/68



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: 43.970+/-0.009 χ^2/NDF:400795.6/15

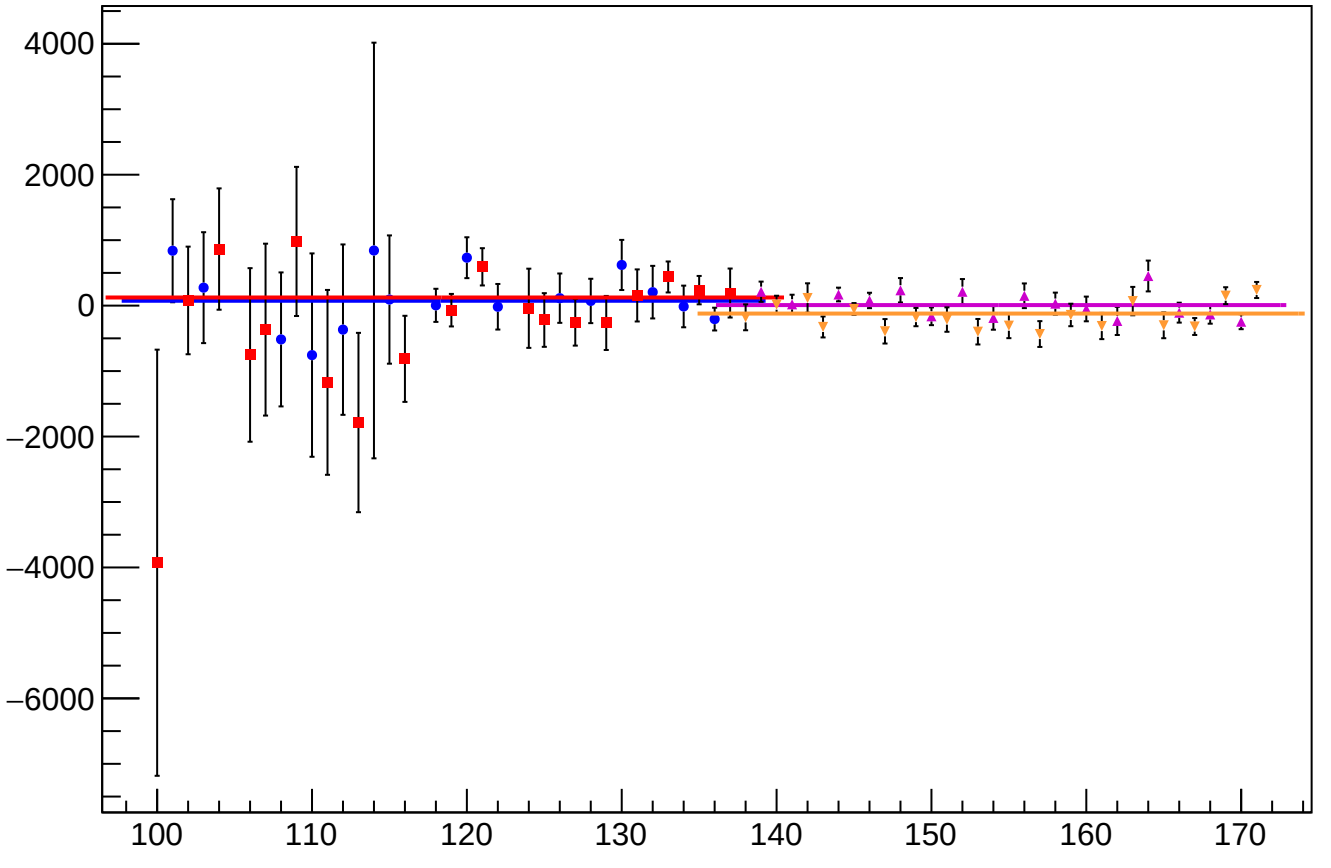
Left: 43.537+/-0.006 χ^2/NDF: 964111.4/33

Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 47.680+/-0.008 χ^2/NDF:2662011.7/31

Out: 46.906+/-0.007 χ^2/NDF:3357910.2/36

All: 47.276+/-0.005 χ^2/NDF: 6025107.4/68



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: 8.228+/-37.965 χ^2/NDF:21.9/15

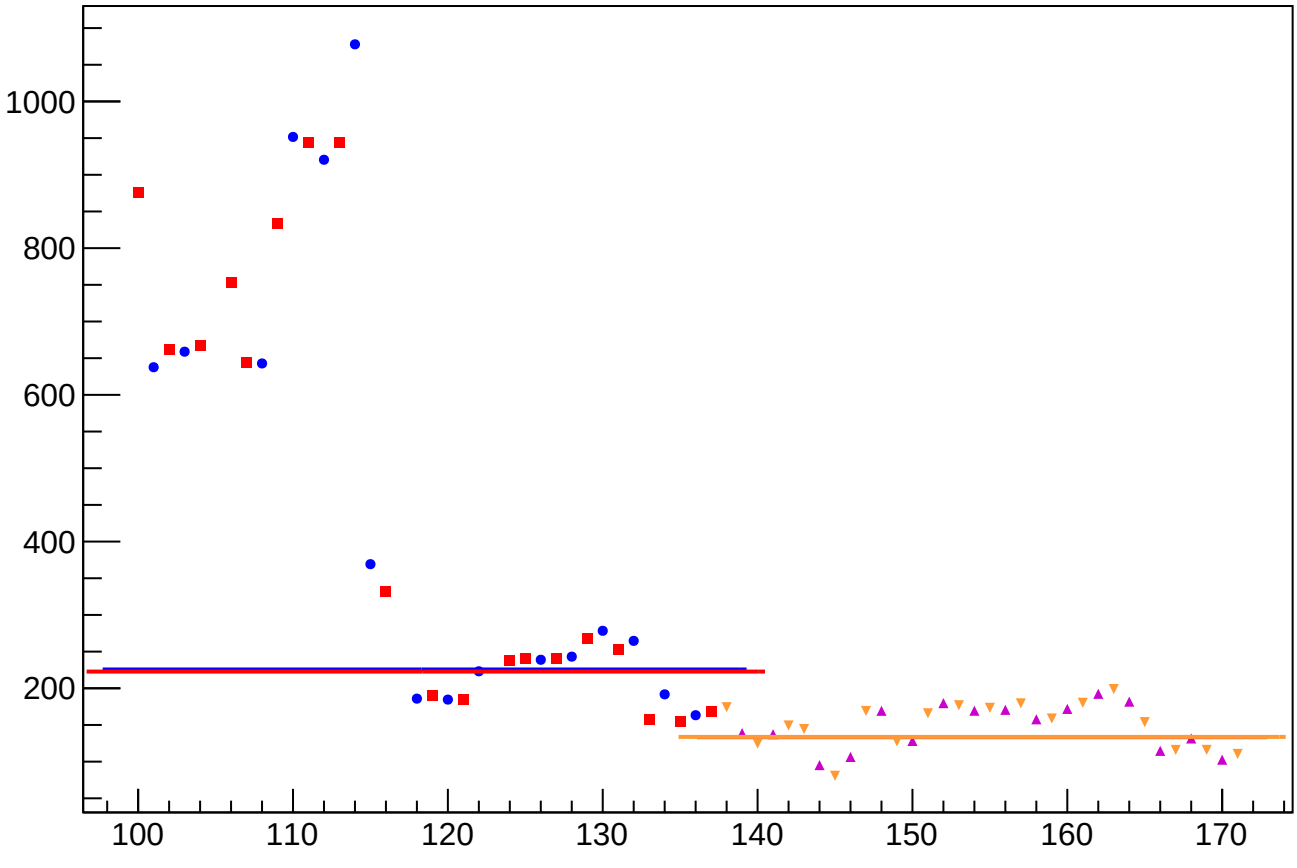
Left: -58.744+/-26.393 χ^2/NDF: 58.3/33

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 17.411+/-35.228 χ^2/NDF:33.5/31

Out: -89.274+/-34.233 χ^2/NDF:52.5/36

All: -37.459+/-24.551 χ^2/NDF: 90.8/68



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: 133.358+/-0.027 χ^2/NDF:1260251.9/15

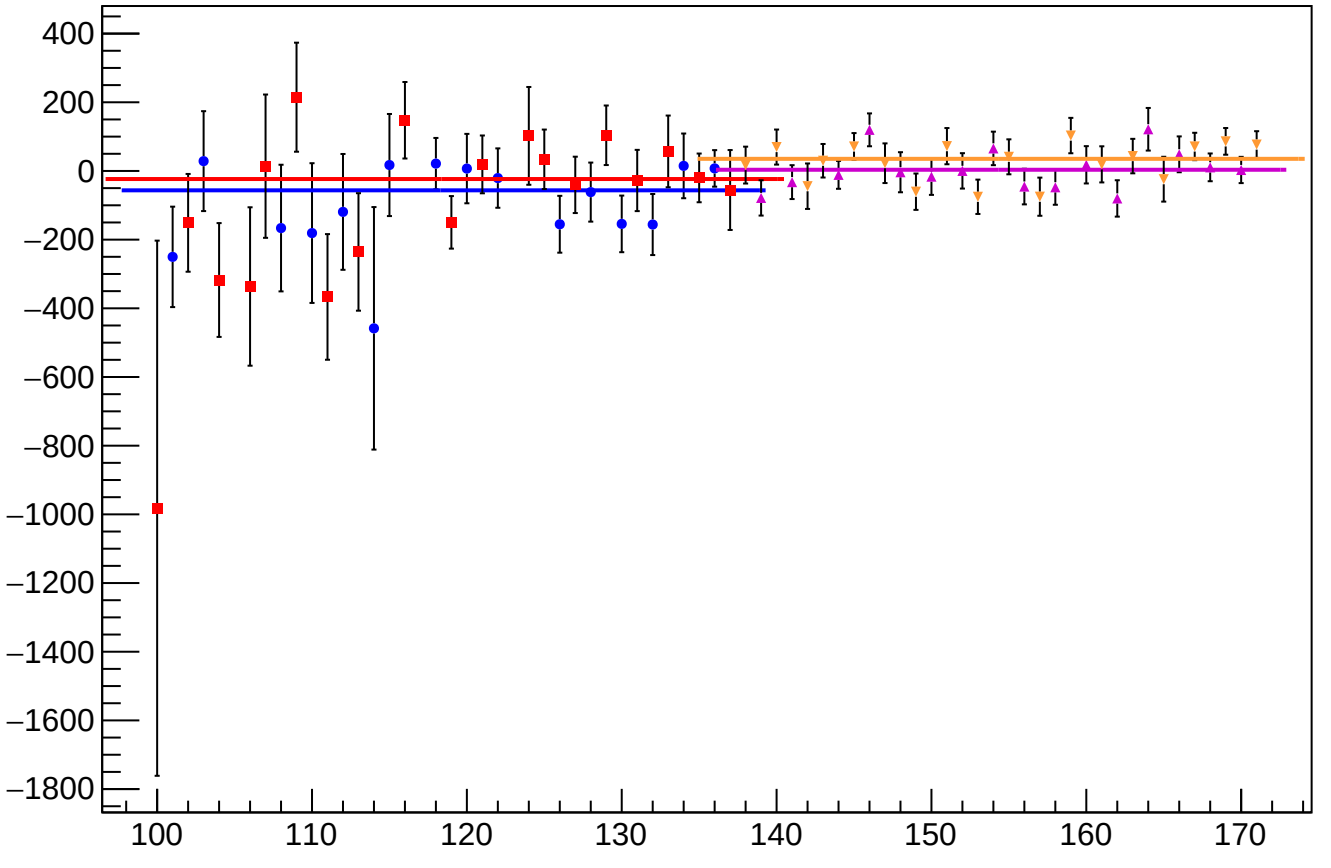
Left: 133.550+/-0.019 χ^2/NDF: 2989309.8/33

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 146.181+/-0.025 χ^2/NDF:5927739.1/31

Out: 145.376+/-0.024 χ^2/NDF:7115644.8/36

All: 145.767+/-0.017 χ^2/NDF: 13043920.5/68



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: 3.493+/-12.262 χ^2/NDF:19.7/15

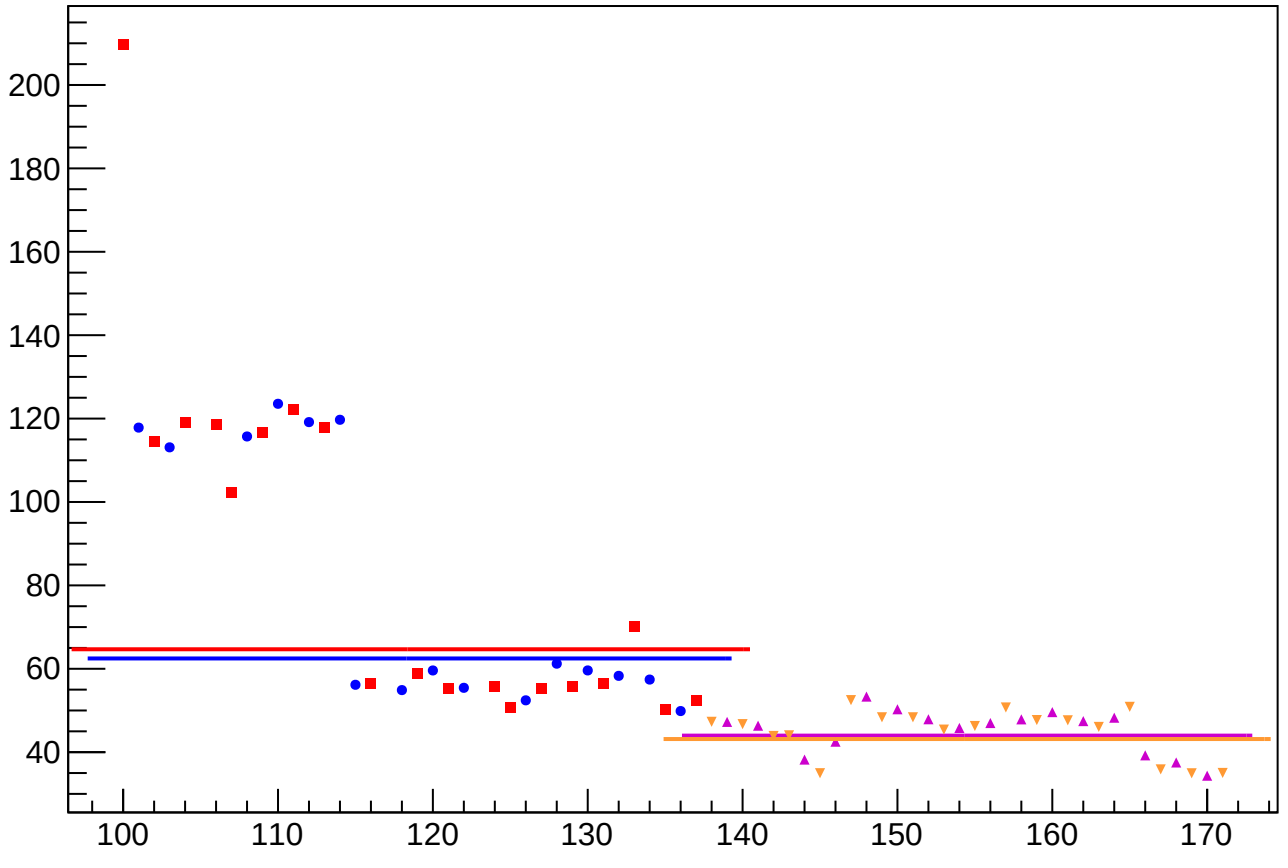
Left: 20.339+/-8.412 χ^2/NDF: 45.2/33

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: -8.517+/-10.965 χ^2/NDF:36.8/31

Out: 25.061+/-10.506 χ^2/NDF:50.5/36

All: 8.989+/-7.586 χ^2/NDF: 92.1/68



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: 43.970+/-0.009 χ^2/NDF:400803.2/15

Left: 43.537+/-0.006 χ^2/NDF: 964134.0/33

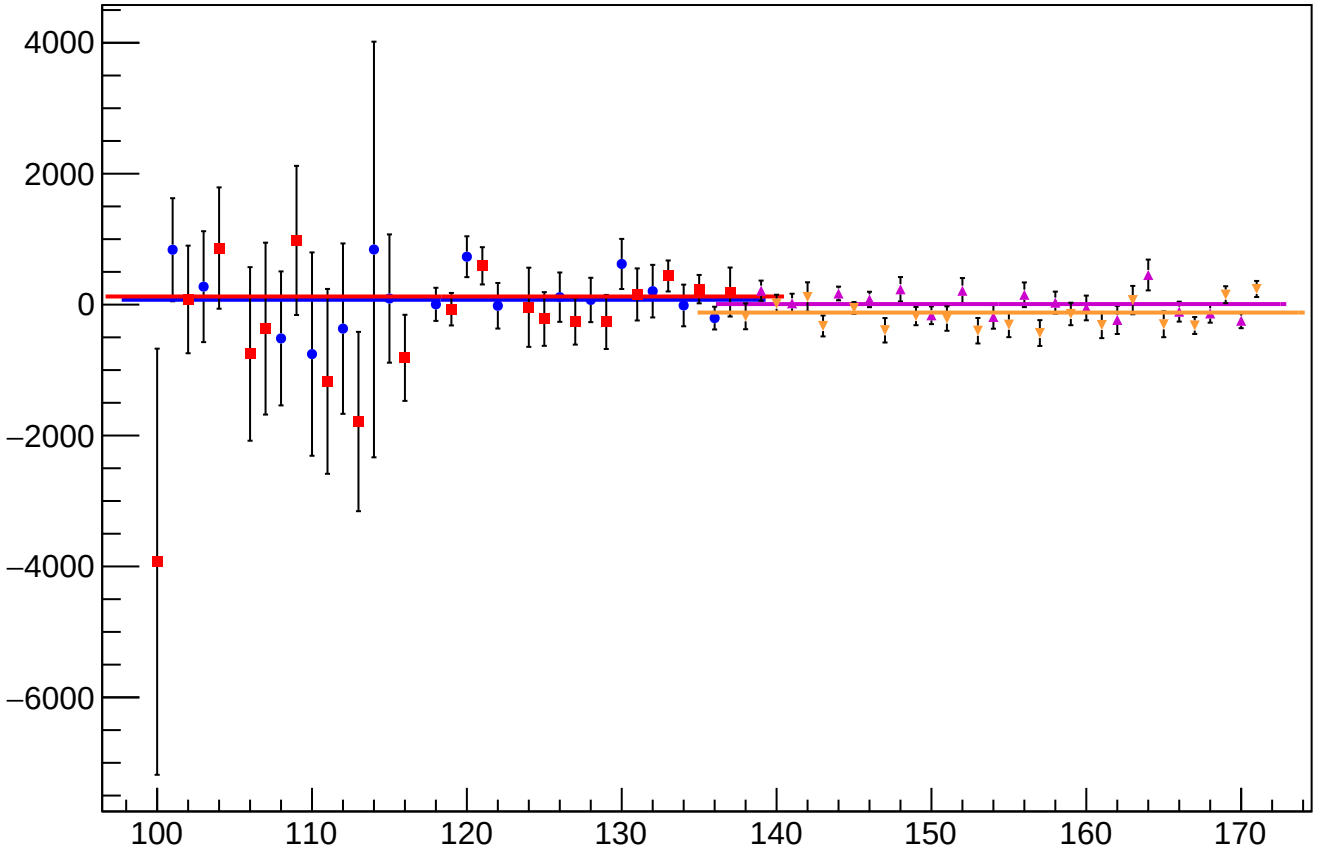
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 47.680+/-0.008 χ^2/NDF:2661954.7/31

Out: 46.906+/-0.007 χ^2/NDF:3357878.2/36

All: 47.276+/-0.005 χ^2/NDF: 6025018.3/68

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: 8.229+/-37.965 χ^2/NDF:21.9/15

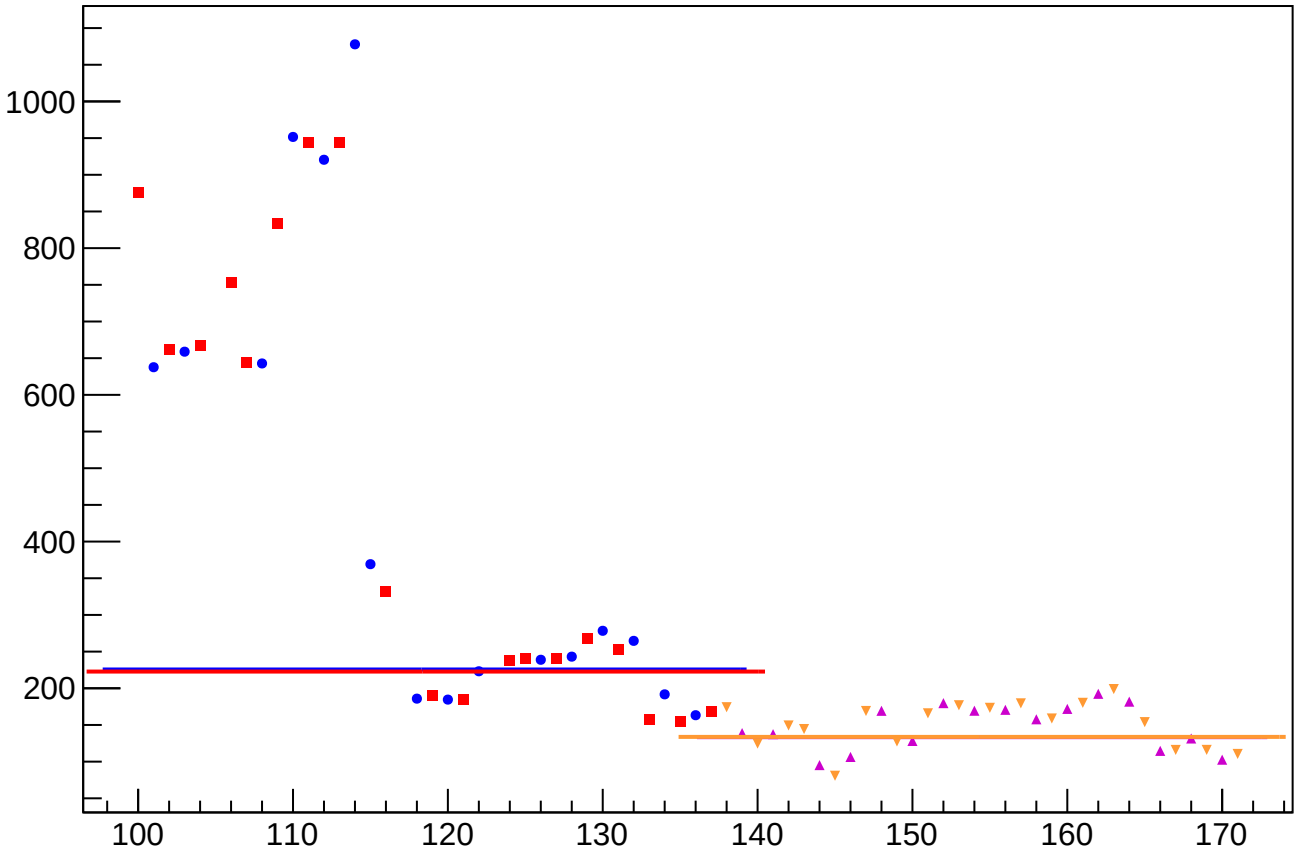
Left: -58.744+/-26.393 χ^2/NDF: 58.3/33

Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 17.411+/-35.228 χ^2/NDF:33.5/31

Out: -89.274+/-34.233 χ^2/NDF:52.5/36

All: -37.459+/-24.551 χ^2/NDF: 90.8/68



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: 133.358+/-0.027 χ^2/NDF:1260246.6/15

Left: 133.551+/-0.019 χ^2/NDF: 2989289.0/33

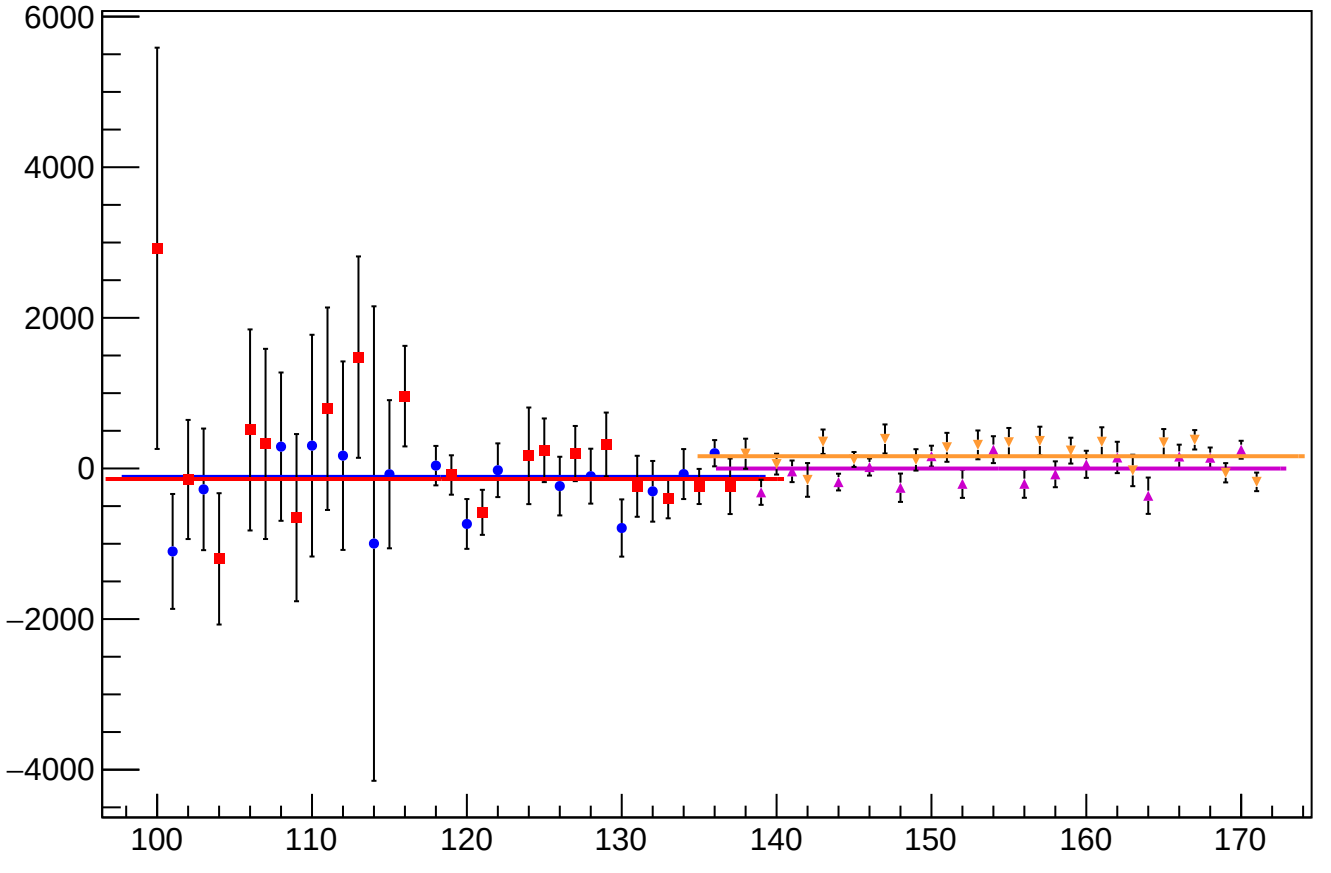
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 146.181+/-0.025 χ^2/NDF:5927713.0/31

Out: 145.377+/-0.024 χ^2/NDF:7115608.3/36

All: 145.767+/-0.017 χ^2/NDF: 13043857.6/68

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: -1.124+/-38.261 χ^2/NDF:23.5/15

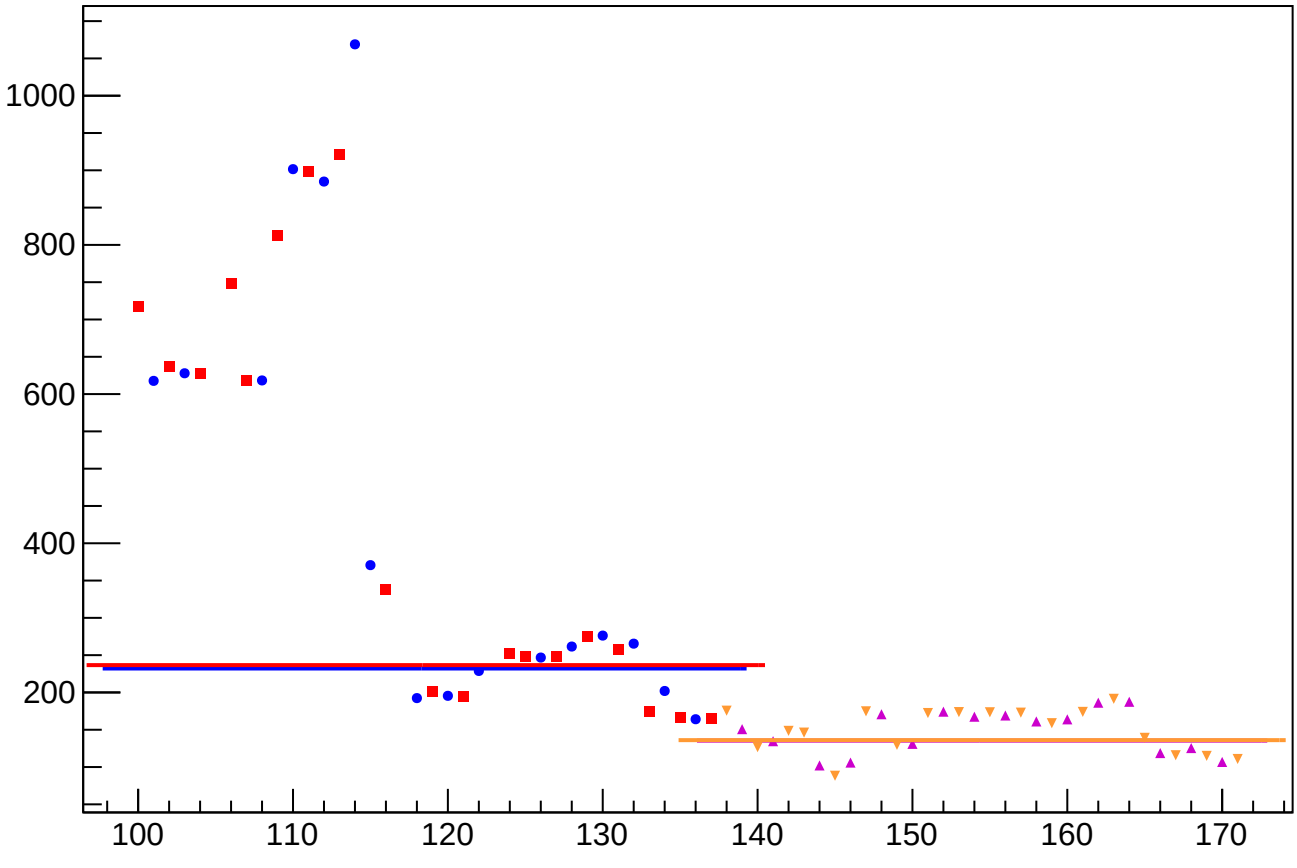
Left: 83.180+/-26.640 χ^2/NDF: 58.1/33

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -16.161+/-35.570 χ^2/NDF:37.4/31

Out: 125.351+/-34.761 χ^2/NDF:48.1/36

All: 56.222+/-24.861 χ^2/NDF: 93.6/68



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: 135.377+/-0.027 χ^2/NDF:1075245.7/15

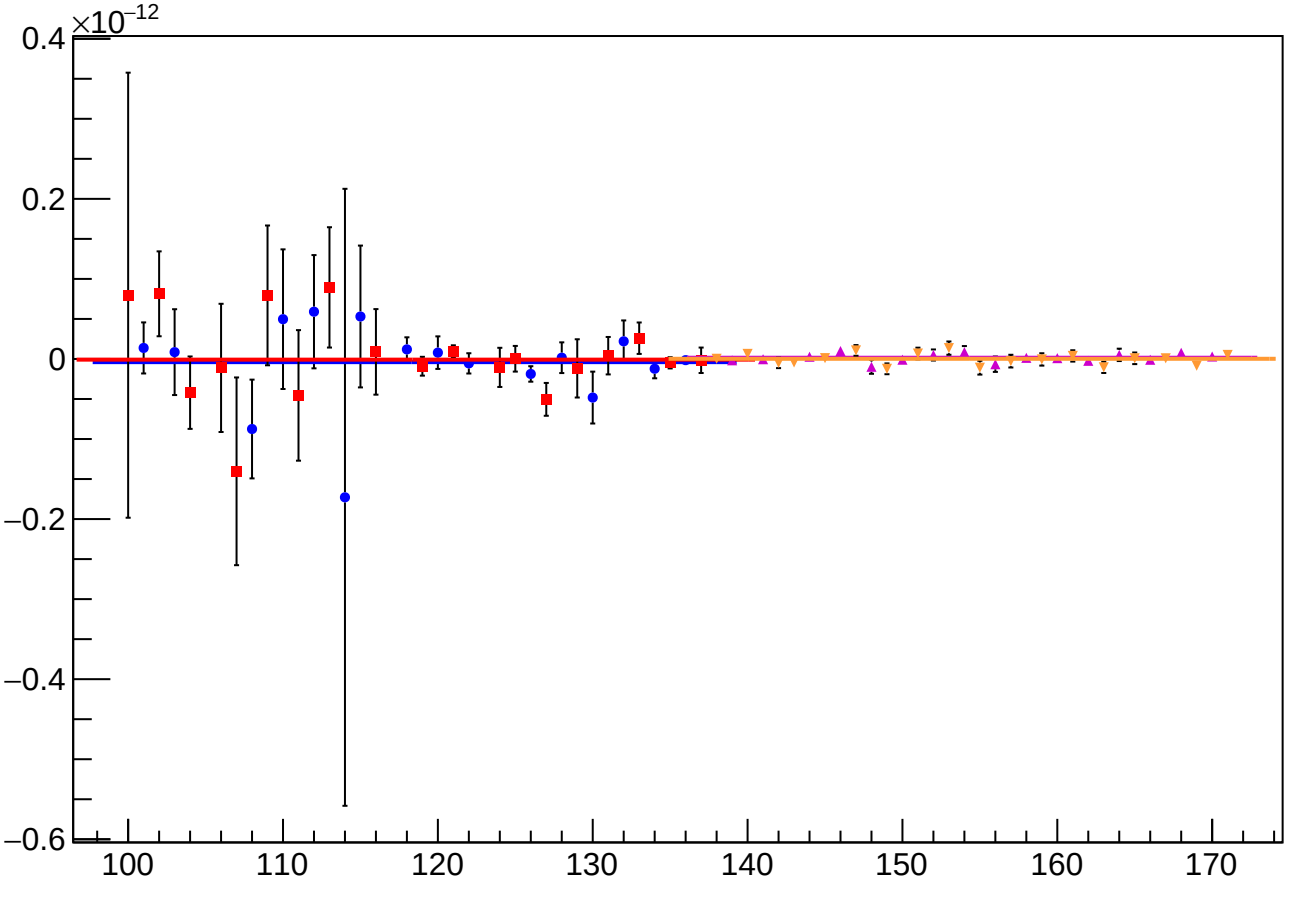
Left: 135.727+/-0.019 χ^2/NDF: 2470692.5/33

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 148.506+/-0.025 χ^2/NDF:5695725.9/31

Out: 148.415+/-0.025 χ^2/NDF:6720906.7/36

All: 148.459+/-0.018 χ^2/NDF: 12416639.3/68



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:9.2/15

Left: 0.000+/-0.000 χ^2/NDF: 32.0/33

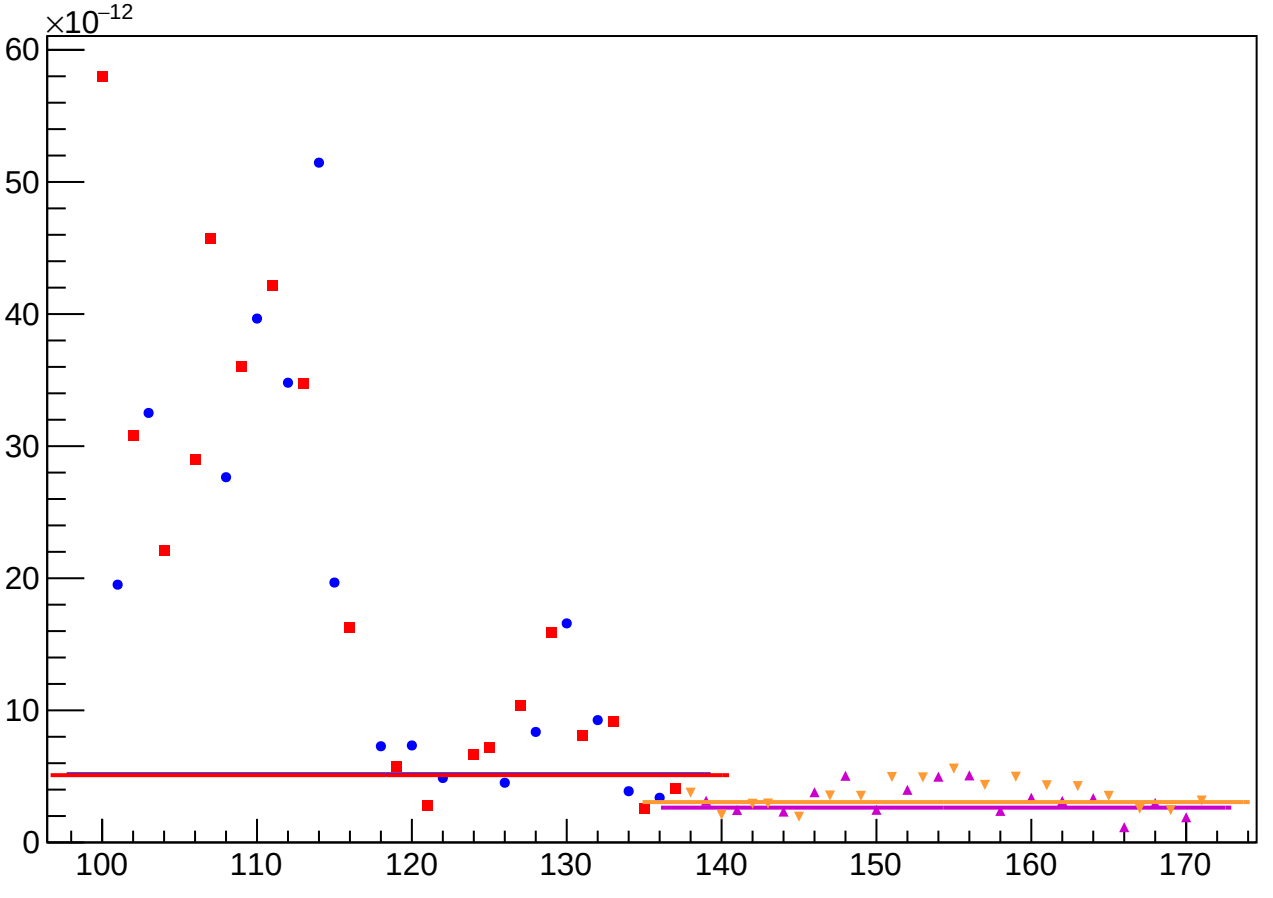
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:22.6/31

Out: 0.000+/-0.000 χ^2/NDF:40.4/36

All: 0.000+/-0.000 χ^2/NDF: 63.2/68

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1219747.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1241097.6/15

Left: 0.000+/-0.000 χ^2/NDF: 2568616.0/33

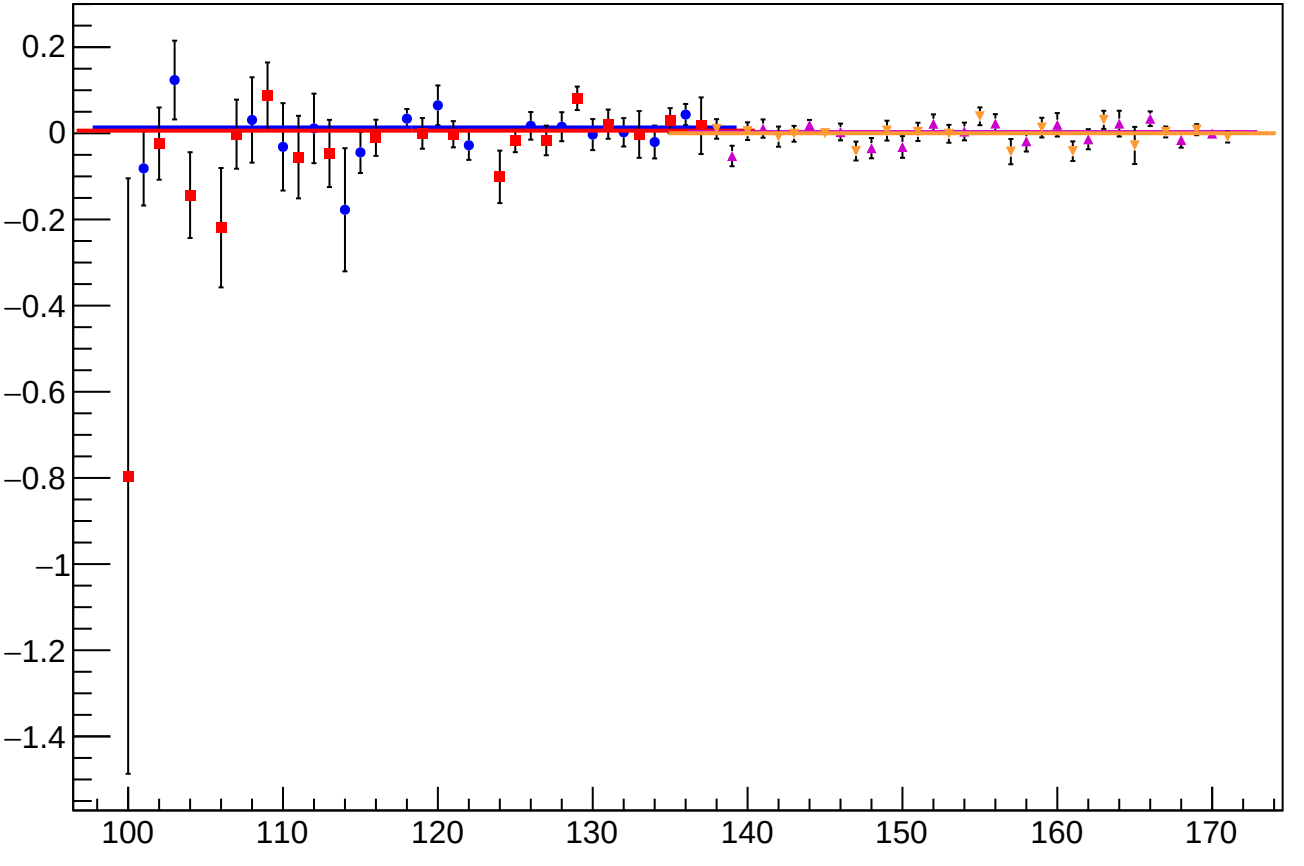
Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4707770.8/31

Out: 0.000+/-0.000 χ^2/NDF:4935214.7/36

All: 0.000+/-0.000 χ^2/NDF: 9727689.4/68

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: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.001+/-0.003 χ^2/NDF: 37.3/33

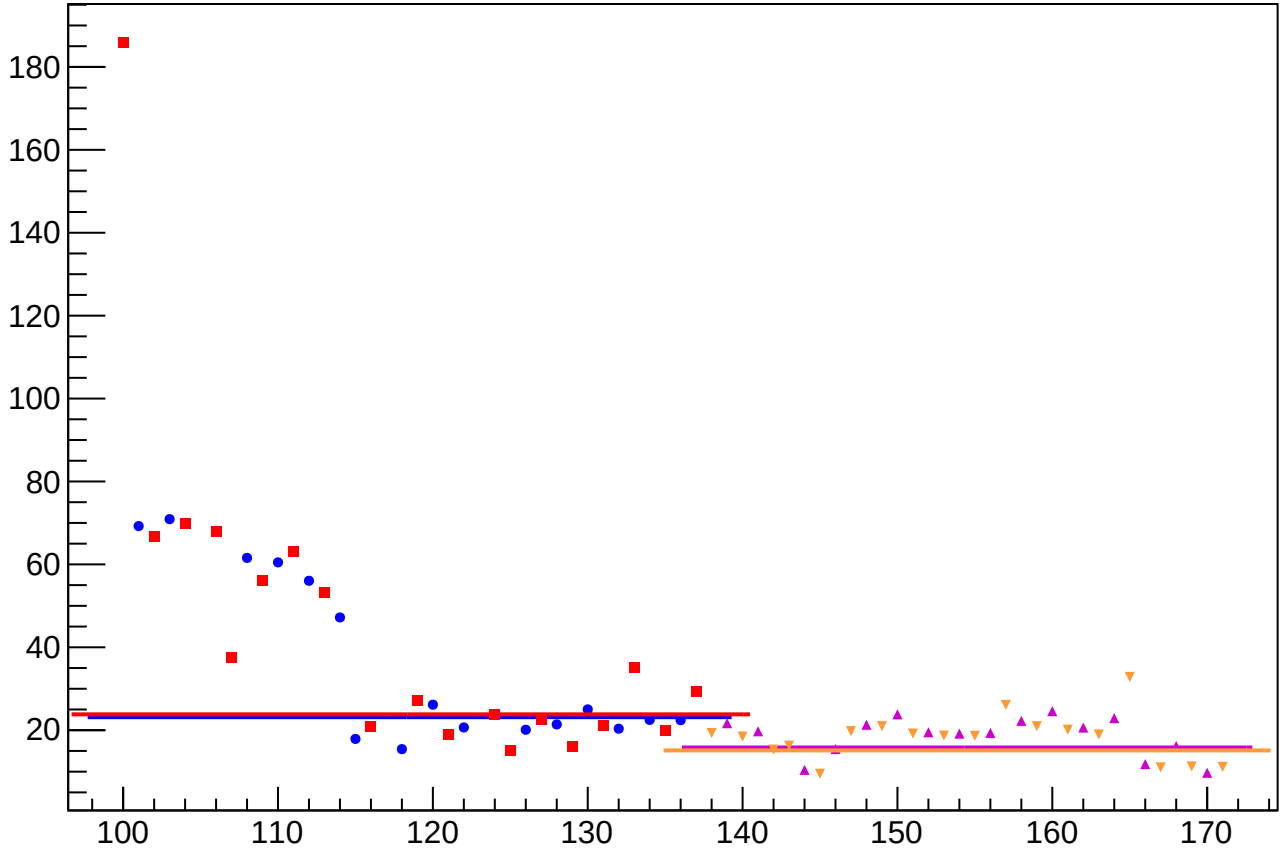
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.003+/-0.003 χ^2/NDF: 72.6/68

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: 15.836+/-0.003 χ^2/NDF:2371712.8/15

Left: 15.449+/-0.002 χ^2/NDF: 4931130.9/33

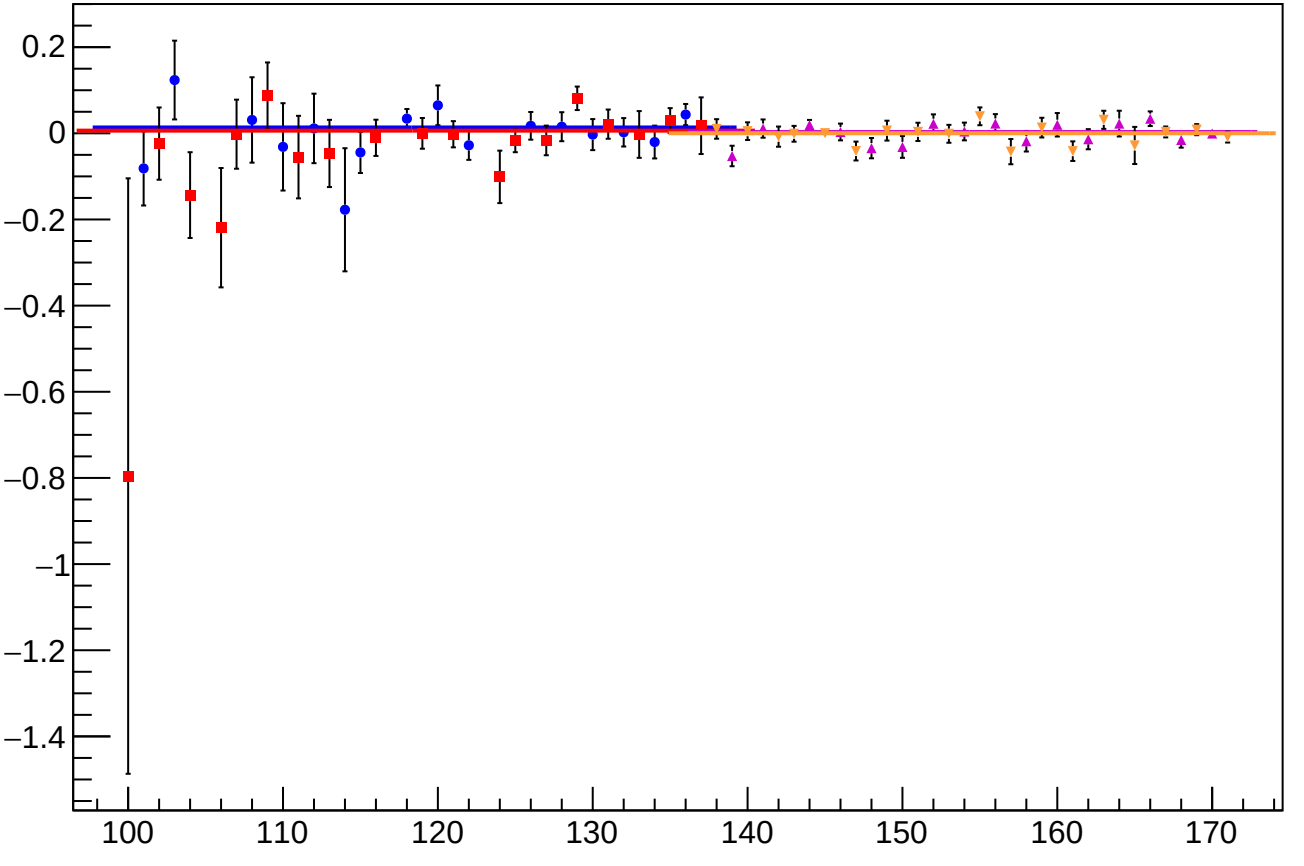
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 17.202+/-0.003 χ^2/NDF:5674221.0/31

Out: 16.468+/-0.003 χ^2/NDF:6696218.1/36

All: 16.808+/-0.002 χ^2/NDF: 12402358.1/68

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: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.001+/-0.003 χ^2/NDF: 37.3/33

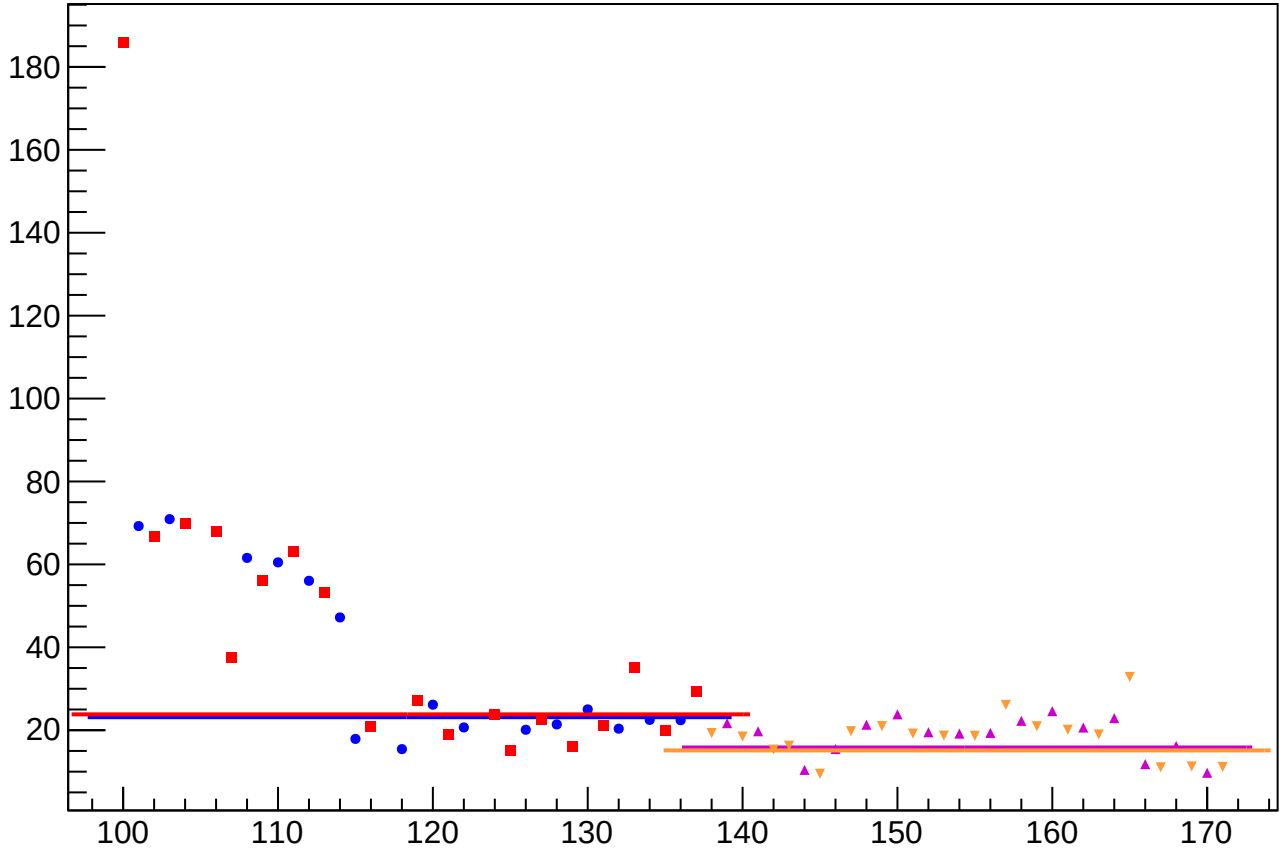
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.003+/-0.003 χ^2/NDF: 72.6/68

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: 15.836+/-0.003 χ^2/NDF:2371712.8/15

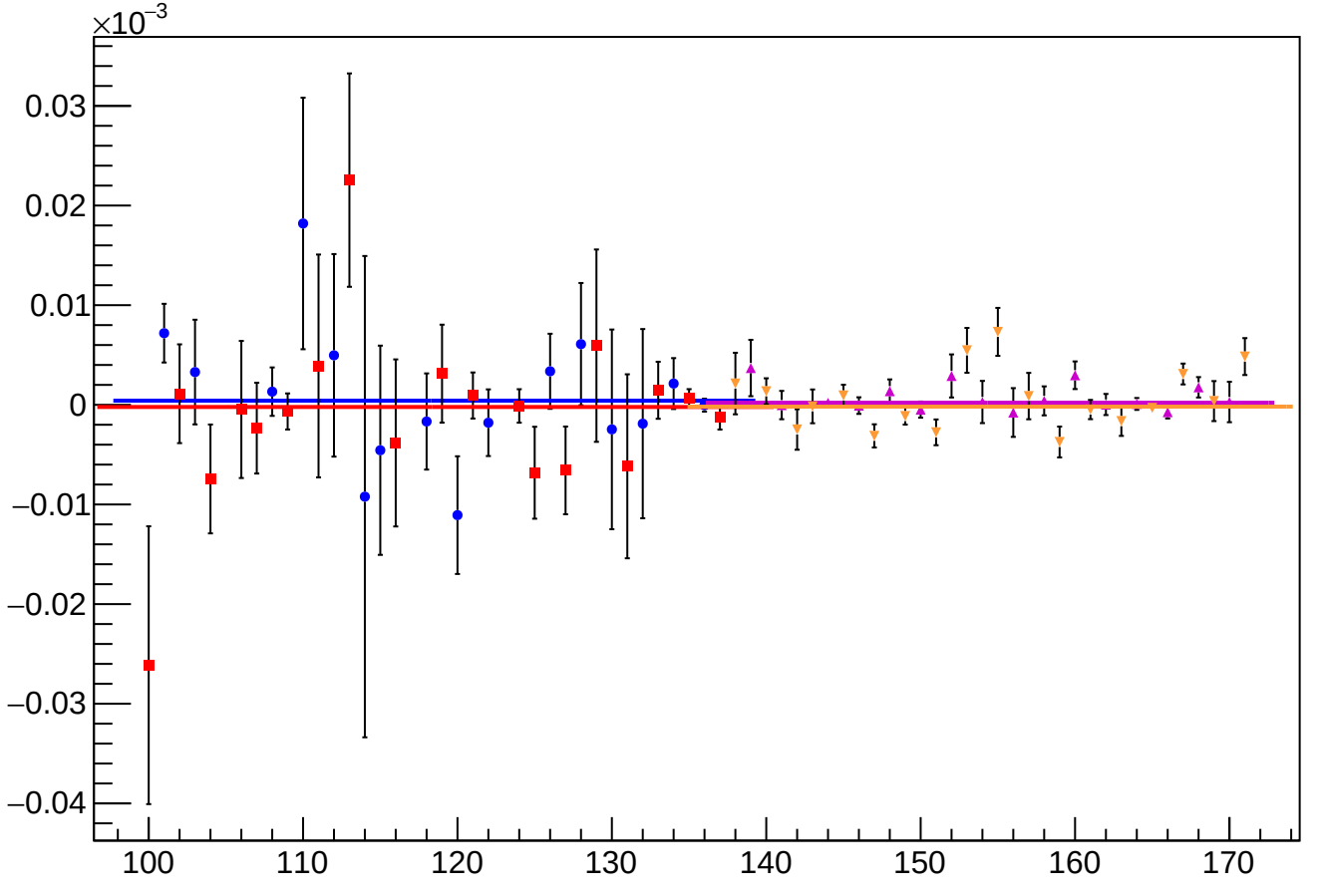
Left: 15.449+/-0.002 χ^2/NDF: 4931130.9/33

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 17.202+/-0.003 χ^2/NDF:5674221.0/31

Out: 16.468+/-0.003 χ^2/NDF:6696218.1/36

All: 16.808+/-0.002 χ^2/NDF: 12402358.1/68



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:13.6/15

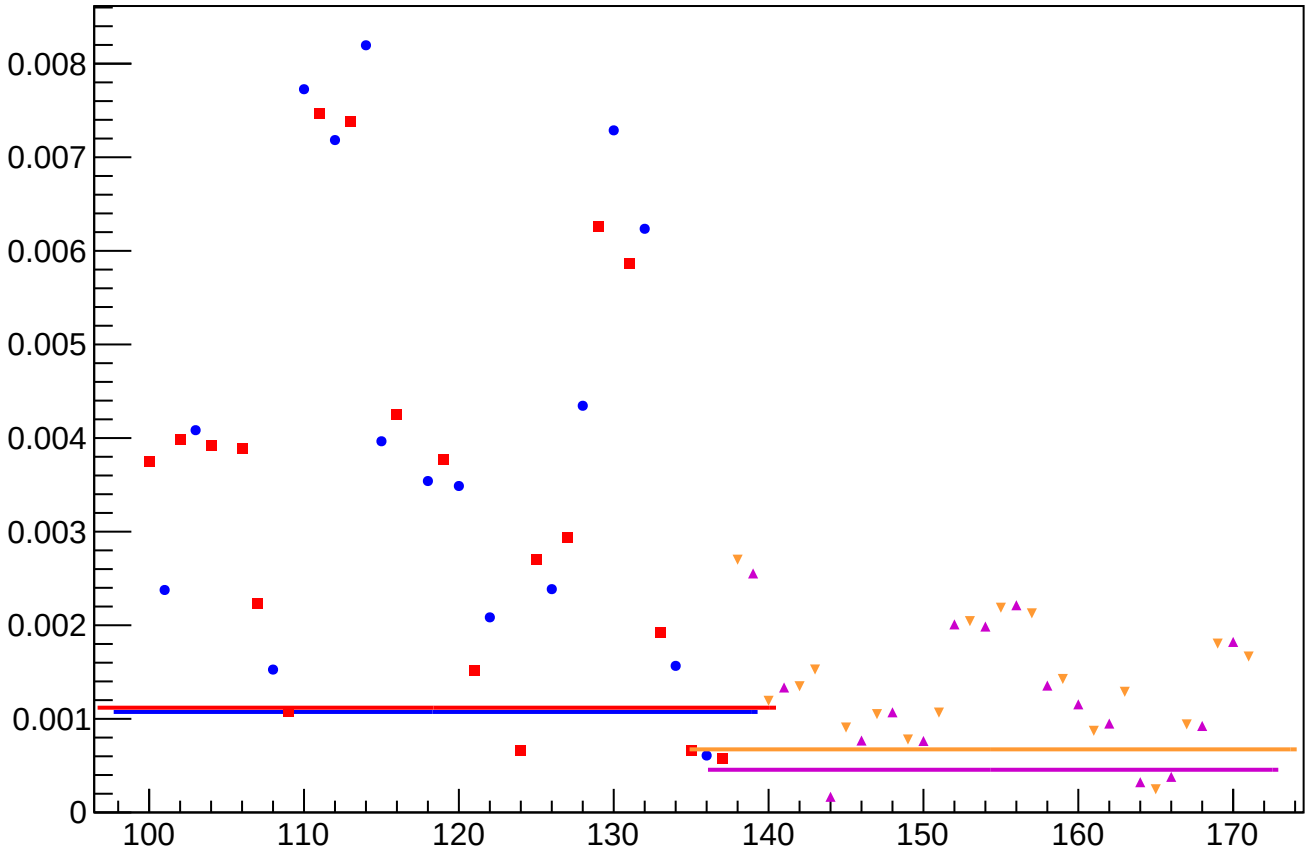
Left: 0.000+/-0.000 χ^2/NDF: 71.1/33

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:29.0/31

Out: -0.000+/-0.000 χ^2/NDF:73.7/36

All: 0.000+/-0.000 χ^2/NDF: 104.9/68



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:11831335.6/15

Left: 0.001+/-0.000 χ^2/NDF: 23511663.3/33

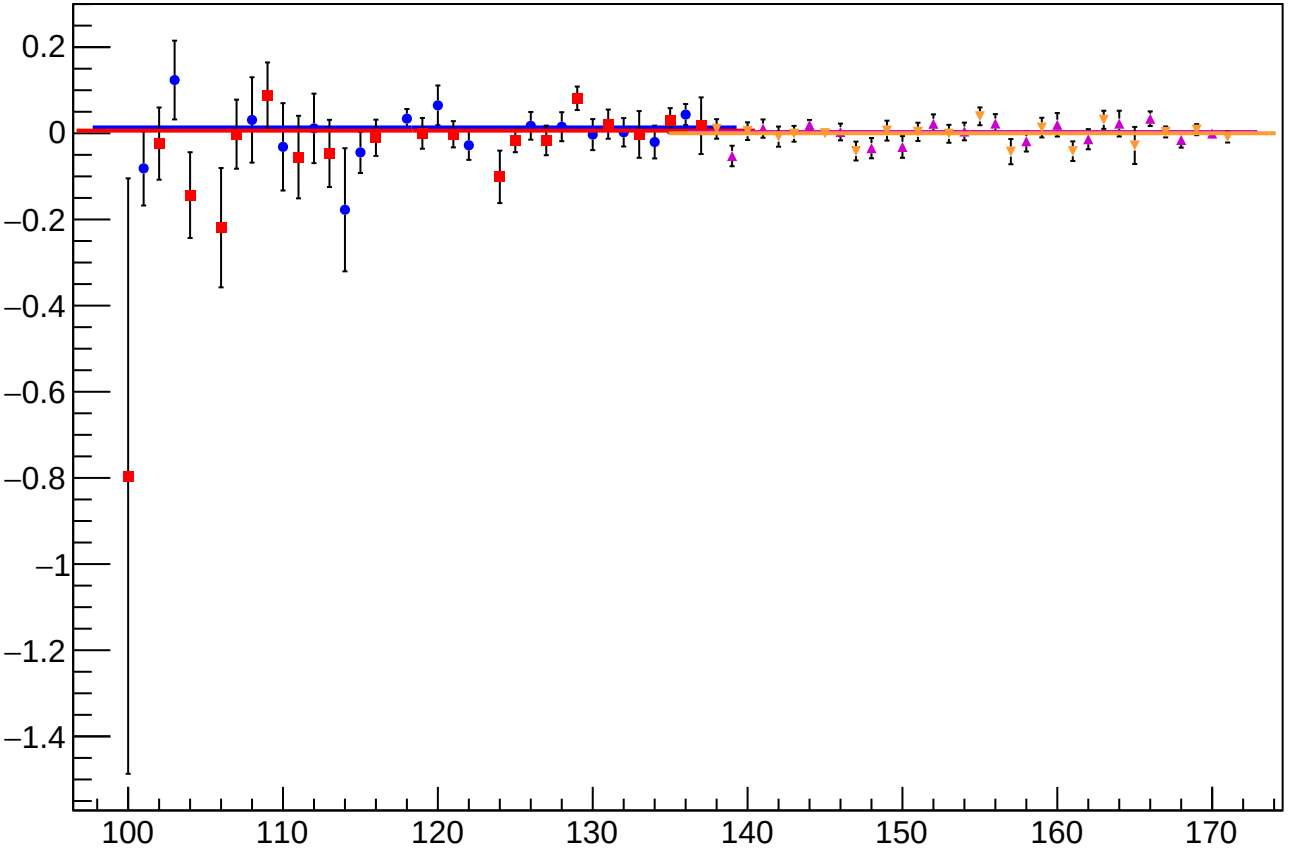
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:21058257.4/31

Out: 0.001+/-0.000 χ^2/NDF:18449930.6/36

All: 0.001+/-0.000 χ^2/NDF: 40761242.3/68

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: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.001+/-0.003 χ^2/NDF: 37.3/33

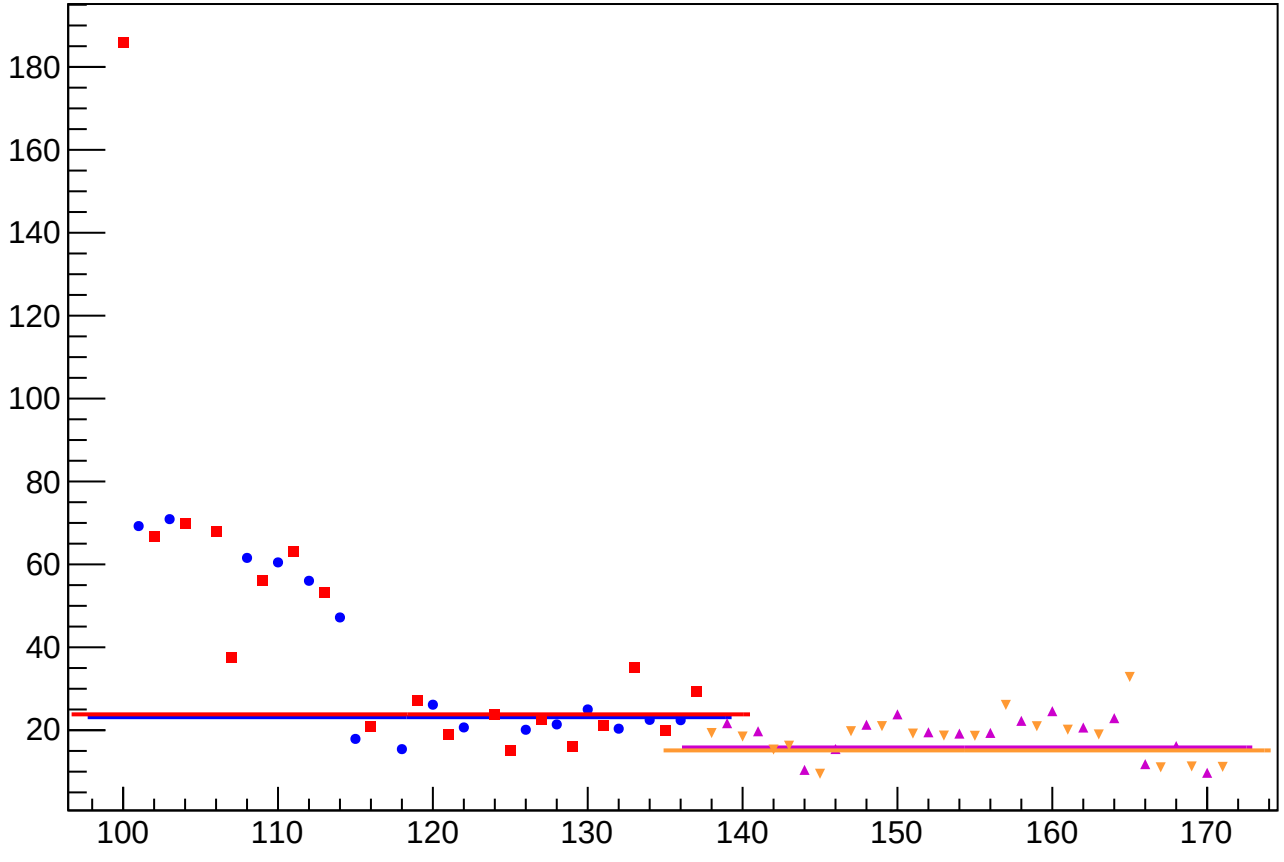
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.003+/-0.003 χ^2/NDF: 72.6/68

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: 15.836+/-0.003 χ^2/NDF:2371743.5/15

Left: 15.449+/-0.002 χ^2/NDF: 4931316.4/33

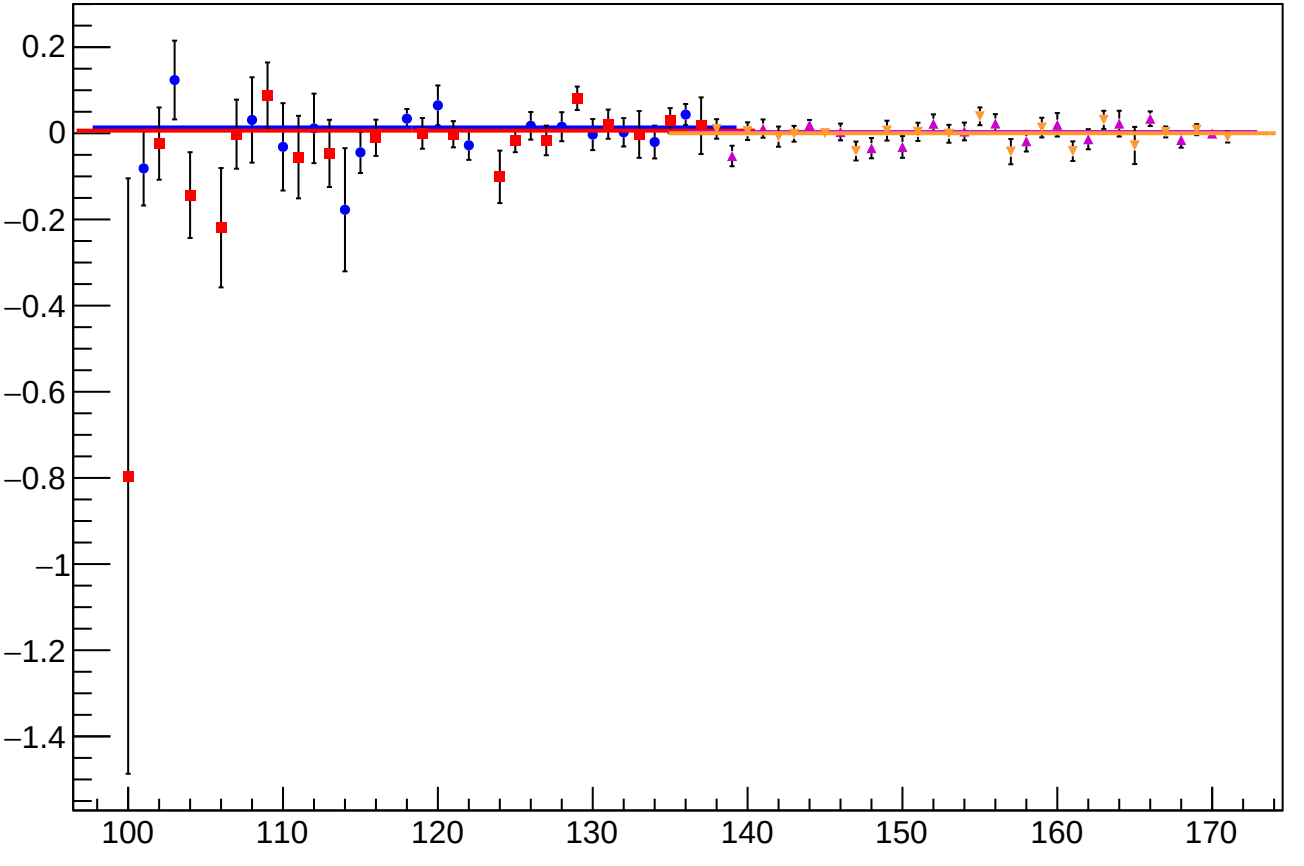
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 17.202+/-0.003 χ^2/NDF:5674008.0/31

Out: 16.468+/-0.003 χ^2/NDF:6696187.2/36

All: 16.808+/-0.002 χ^2/NDF: 12402111.1/68

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: 0.003+/-0.005 χ^2/NDF:20.1/15

Left: 0.001+/-0.003 χ^2/NDF: 37.3/33

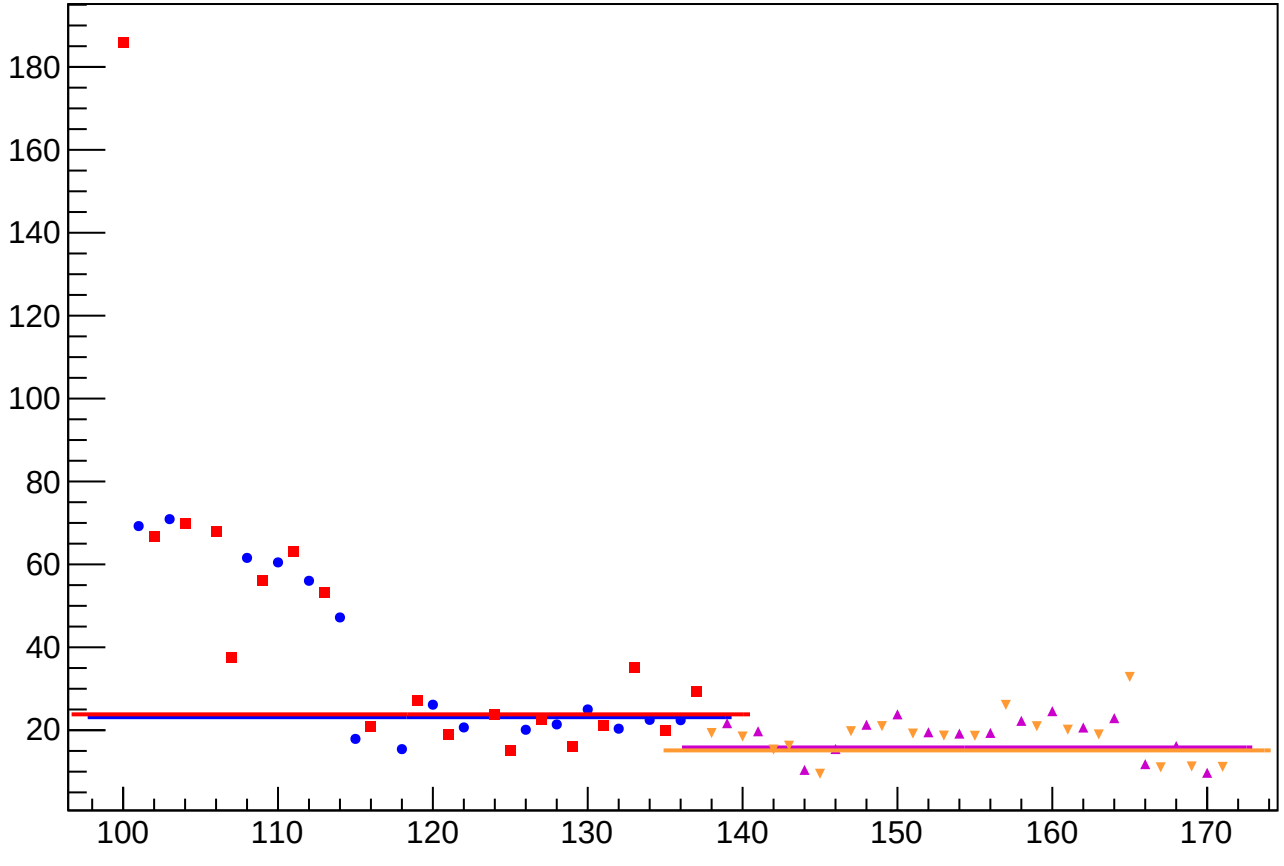
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.005+/-0.004 χ^2/NDF:33.4/31

Out: 0.001+/-0.004 χ^2/NDF:38.8/36

All: 0.003+/-0.003 χ^2/NDF: 72.6/68

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: 15.836+/-0.003 χ^2/NDF:2371743.5/15

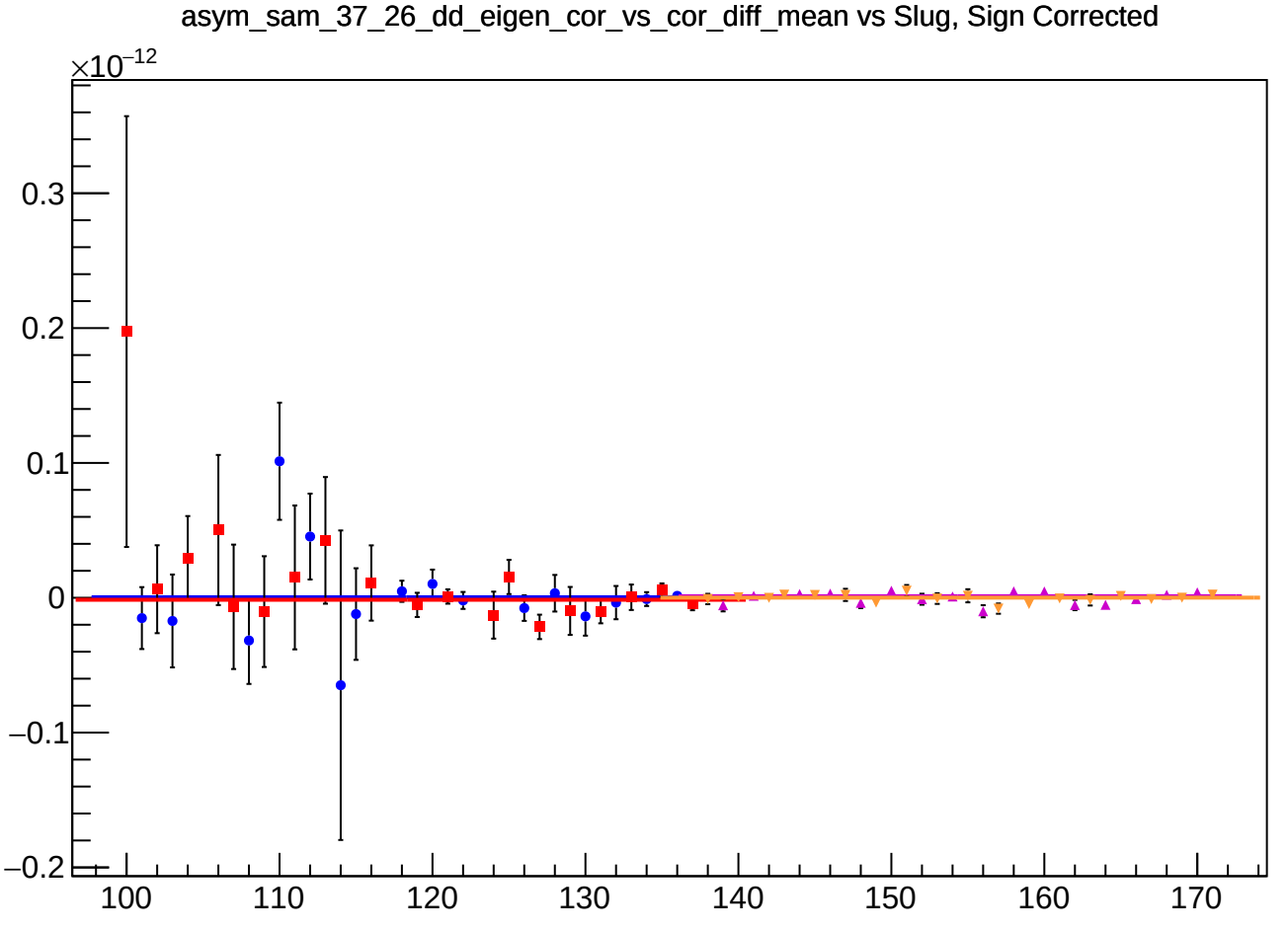
Left: 15.449+/-0.002 χ^2/NDF: 4931316.4/33

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 17.202+/-0.003 χ^2/NDF:5674008.0/31

Out: 16.468+/-0.003 χ^2/NDF:6696187.2/36

All: 16.808+/-0.002 χ^2/NDF: 12402111.1/68



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:24.5/15

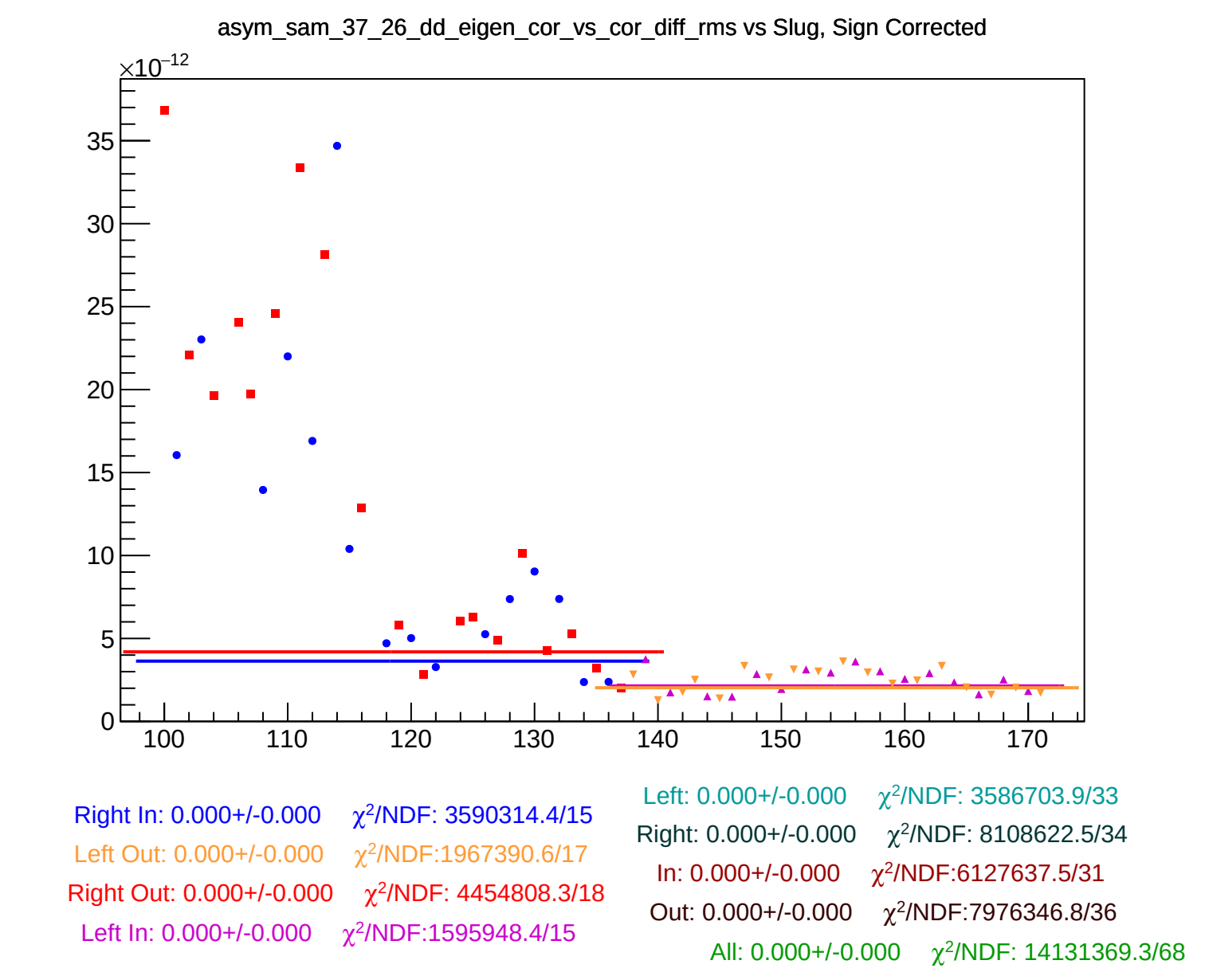
Left: 0.000+/-0.000 χ^2/NDF: 39.3/33

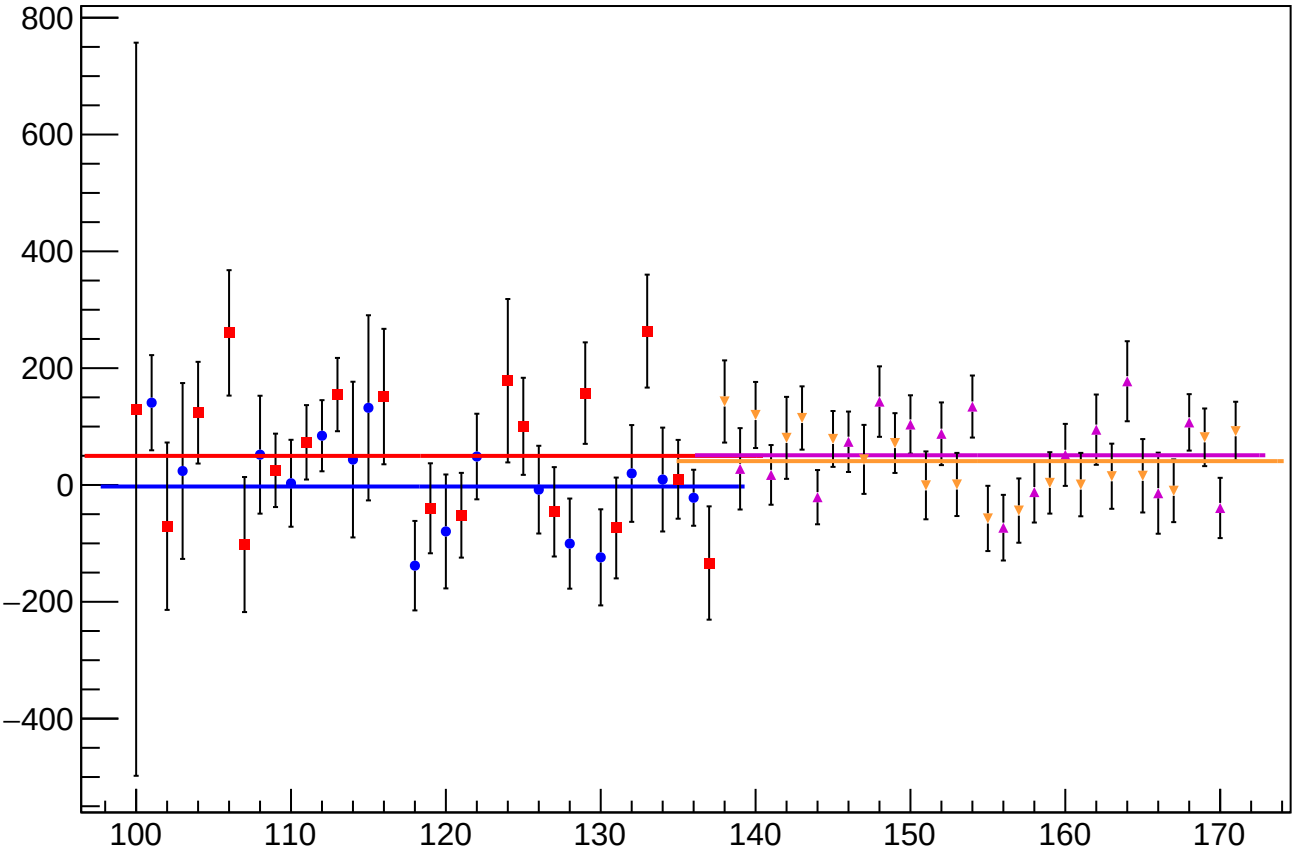
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:37.6/31

Out: -0.000+/-0.000 χ^2/NDF:29.5/36

All: 0.000+/-0.000 χ^2/NDF: 68.5/68


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:1595948.4/15
Left: 0.000+/-0.000 χ²/NDF: 3586703.9/33
Right: 0.000+/-0.000 χ²/NDF: 8108622.5/34
In: 0.000+/-0.000 χ²/NDF:6127637.5/31
Out: 0.000+/-0.000 χ²/NDF:7976346.8/36
All: 0.000+/-0.000 χ²/NDF: 14131369.3/68



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: 50.888+/-13.682 χ^2/NDF:25.1/15

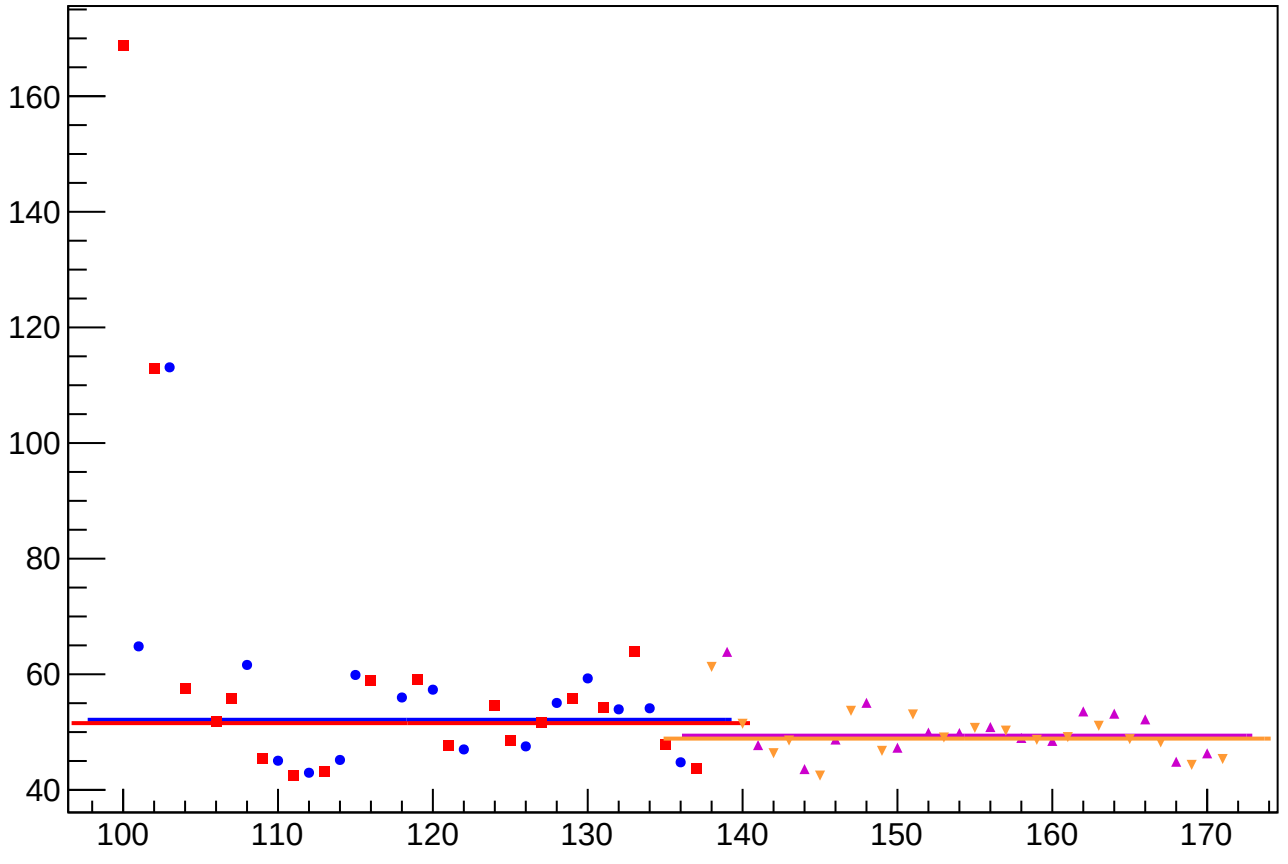
Left: 45.617+/-9.440 χ^2/NDF: 43.1/33

Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 33.826+/-11.291 χ^2/NDF:44.5/31

Out: 43.580+/-10.861 χ^2/NDF:47.3/36

All: 38.892+/-7.828 χ^2/NDF: 92.2/68



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: 49.383+/-0.010 χ^2/NDF:187247.8/15

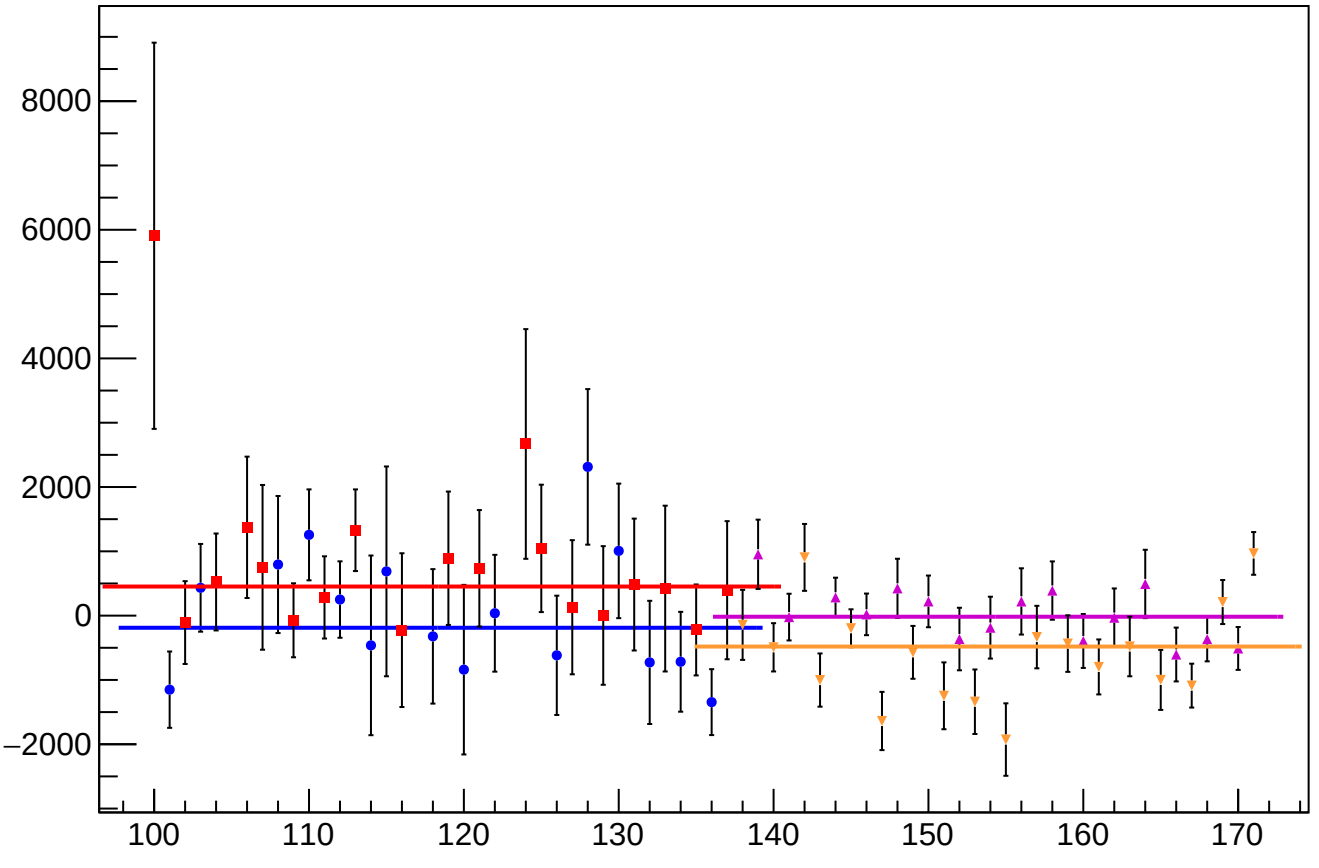
Left: 49.116+/-0.007 χ^2/NDF: 354237.5/33

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 50.258+/-0.008 χ^2/NDF:775851.4/31

Out: 49.694+/-0.008 χ^2/NDF:830904.3/36

All: 49.965+/-0.006 χ^2/NDF: 1609352.7/68



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: -17.235+/-101.801 χ^2/NDF:14.1/15

Left: -257.049+/-70.722 χ^2/NDF: 81.2/33

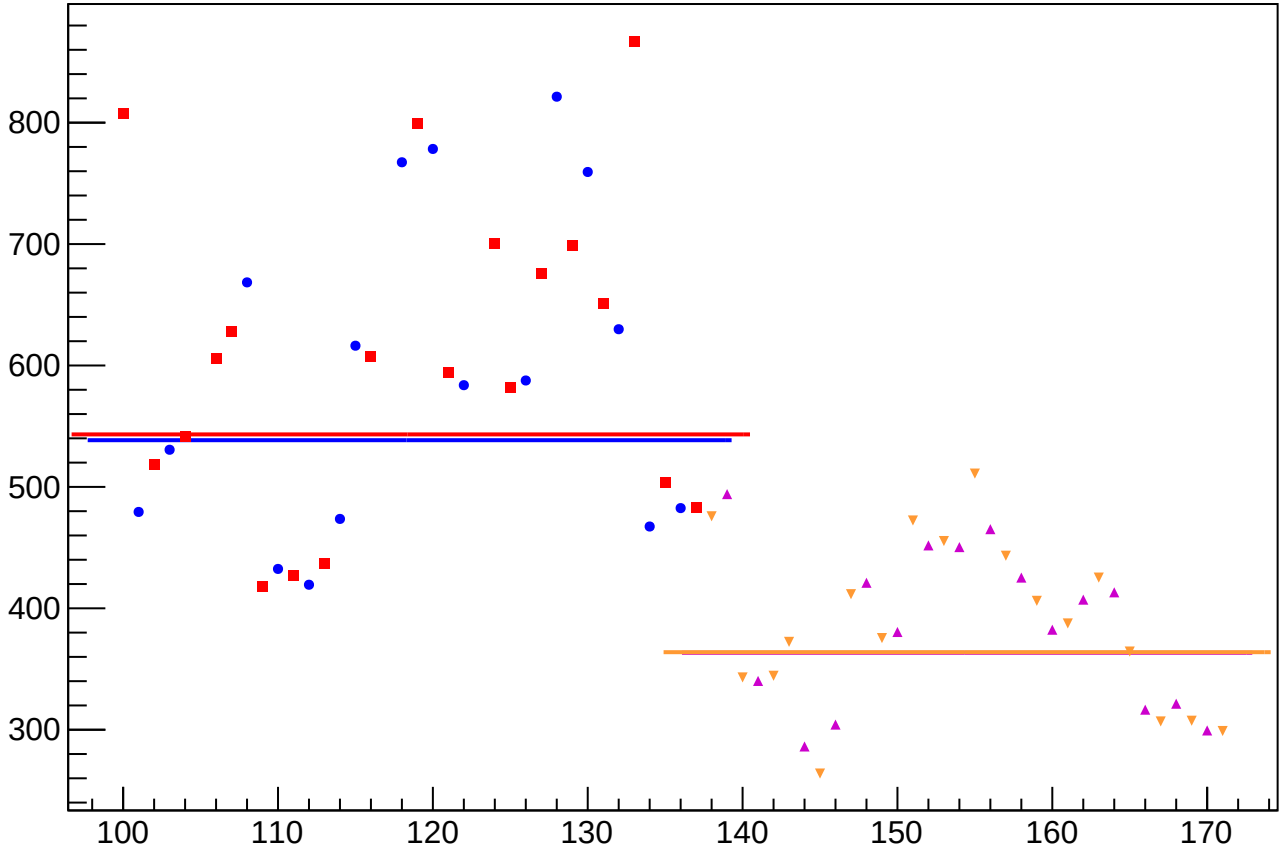
Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: -50.913+/-91.248 χ^2/NDF:36.0/31

Out: -304.706+/-88.565 χ^2/NDF:84.7/36

All: -181.596+/-63.552 χ^2/NDF: 124.7/68

asym_sam_1357_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 363.871+/-0.070 χ^2/NDF:937836.7/17

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 363.380+/-0.072 χ^2/NDF:770214.8/15

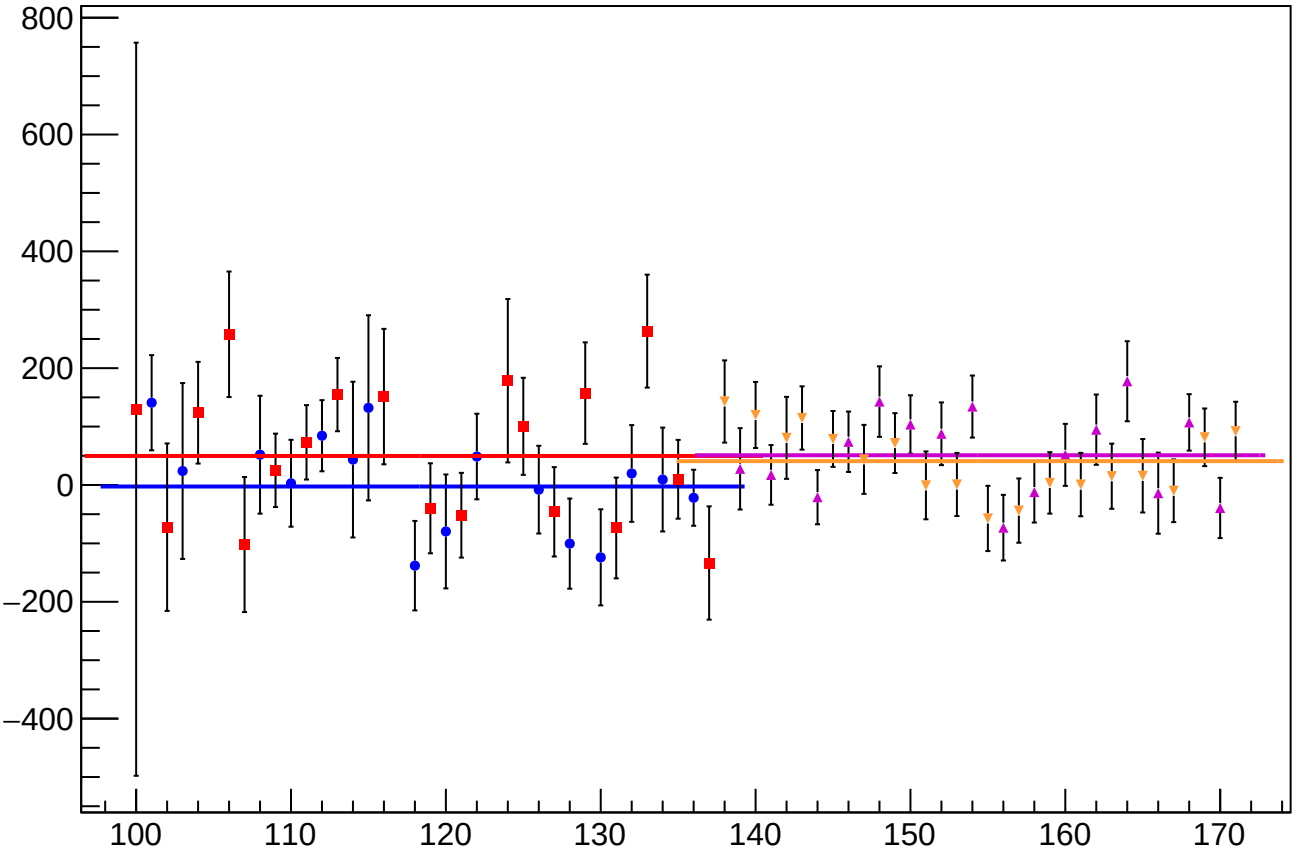
Left: 363.634+/-0.050 χ^2/NDF: 1708075.5/33

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 397.797+/-0.065 χ^2/NDF:2547136.3/31

Out: 397.706+/-0.063 χ^2/NDF:2830525.6/36

All: 397.750+/-0.045 χ^2/NDF: 5377662.9/68



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: 50.886+/-13.682 χ^2/NDF:25.1/15

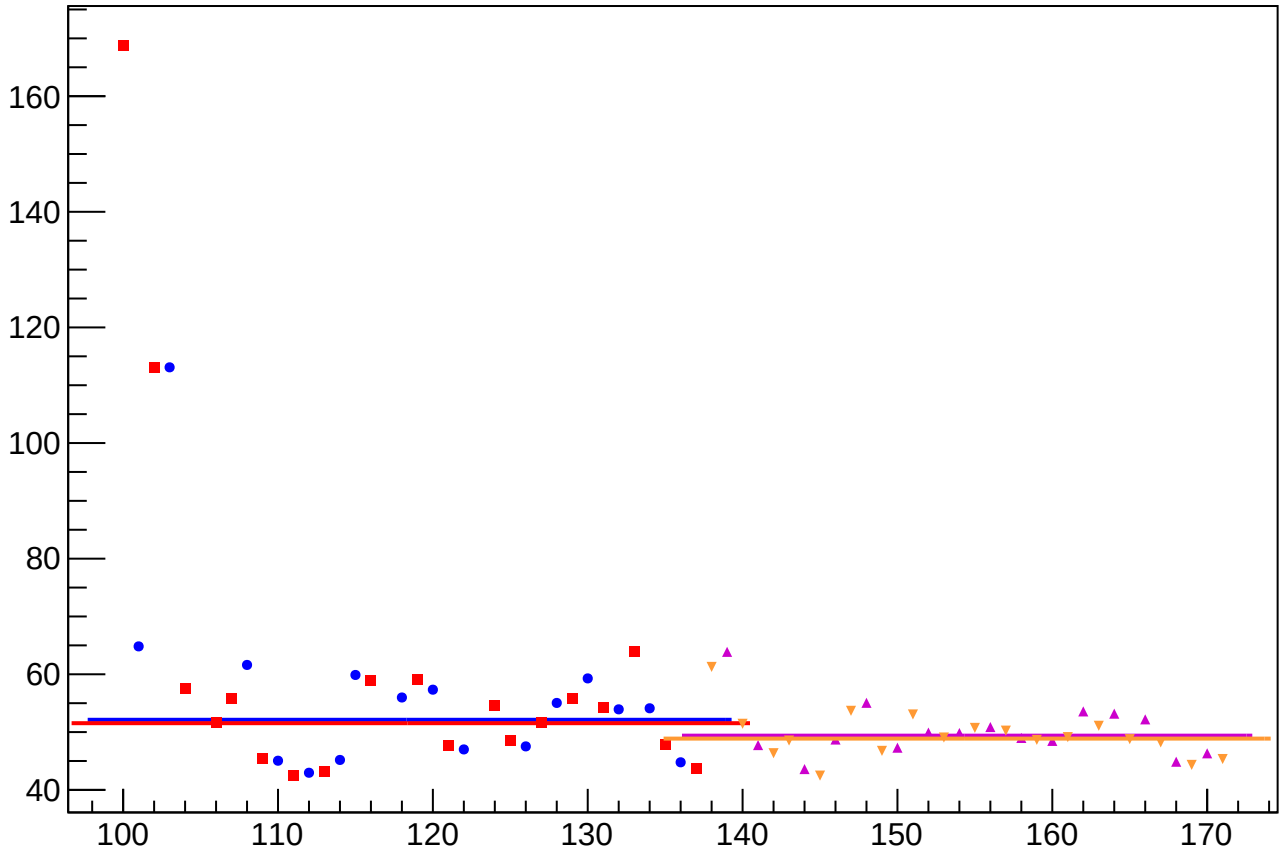
Left: 45.617+/-9.440 χ^2/NDF: 43.1/33

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 33.823+/-11.291 χ^2/NDF:44.5/31

Out: 43.545+/-10.861 χ^2/NDF:47.2/36

All: 38.873+/-7.828 χ^2/NDF: 92.1/68



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: 49.383+/-0.010 χ^2/NDF:187247.8/15

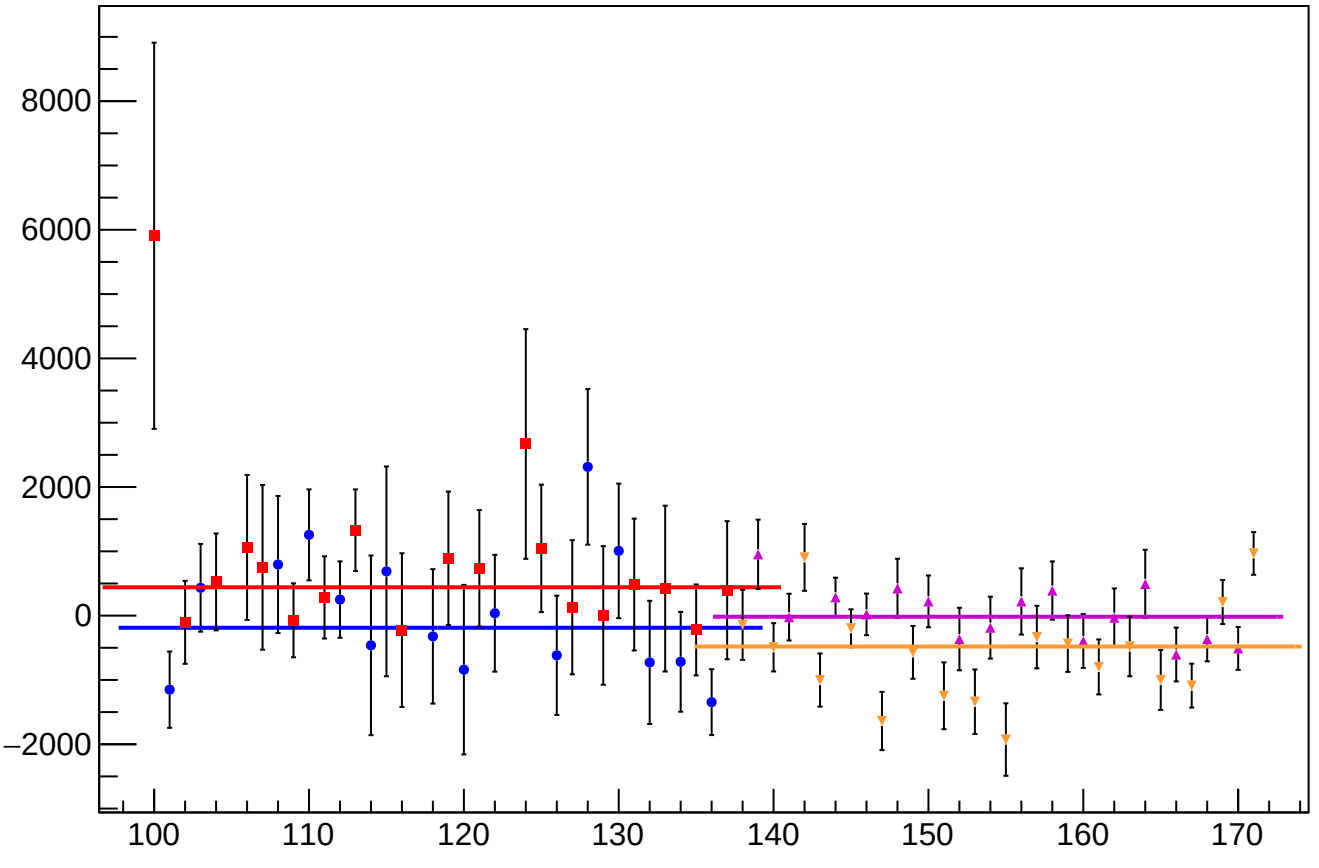
Left: 49.116+/-0.007 χ^2/NDF: 354237.5/33

Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.258+/-0.008 χ^2/NDF:775853.7/31

Out: 49.691+/-0.008 χ^2/NDF:830924.9/36

All: 49.964+/-0.006 χ^2/NDF: 1609404.9/68



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: -17.234+/-101.801 χ^2/NDF:14.1/15

Left: -257.047+/-70.722 χ^2/NDF: 81.2/33

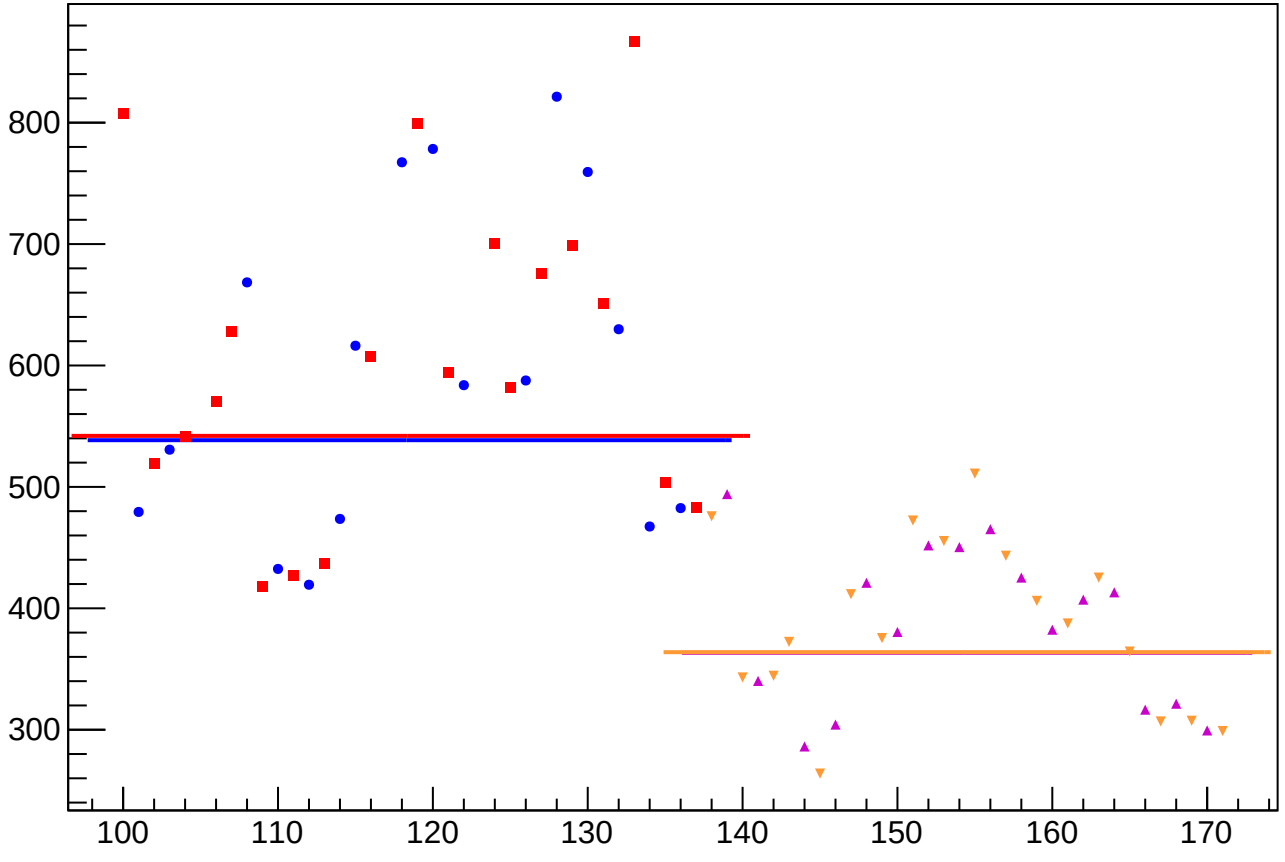
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -50.907+/-91.248 χ^2/NDF:36.0/31

Out: -307.115+/-88.580 χ^2/NDF:83.9/36

All: -182.812+/-63.558 χ^2/NDF: 123.9/68

asym_sam_1357_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 363.871+/-0.070 χ^2/NDF:937841.7/17

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 363.380+/-0.072 χ^2/NDF:770213.6/15

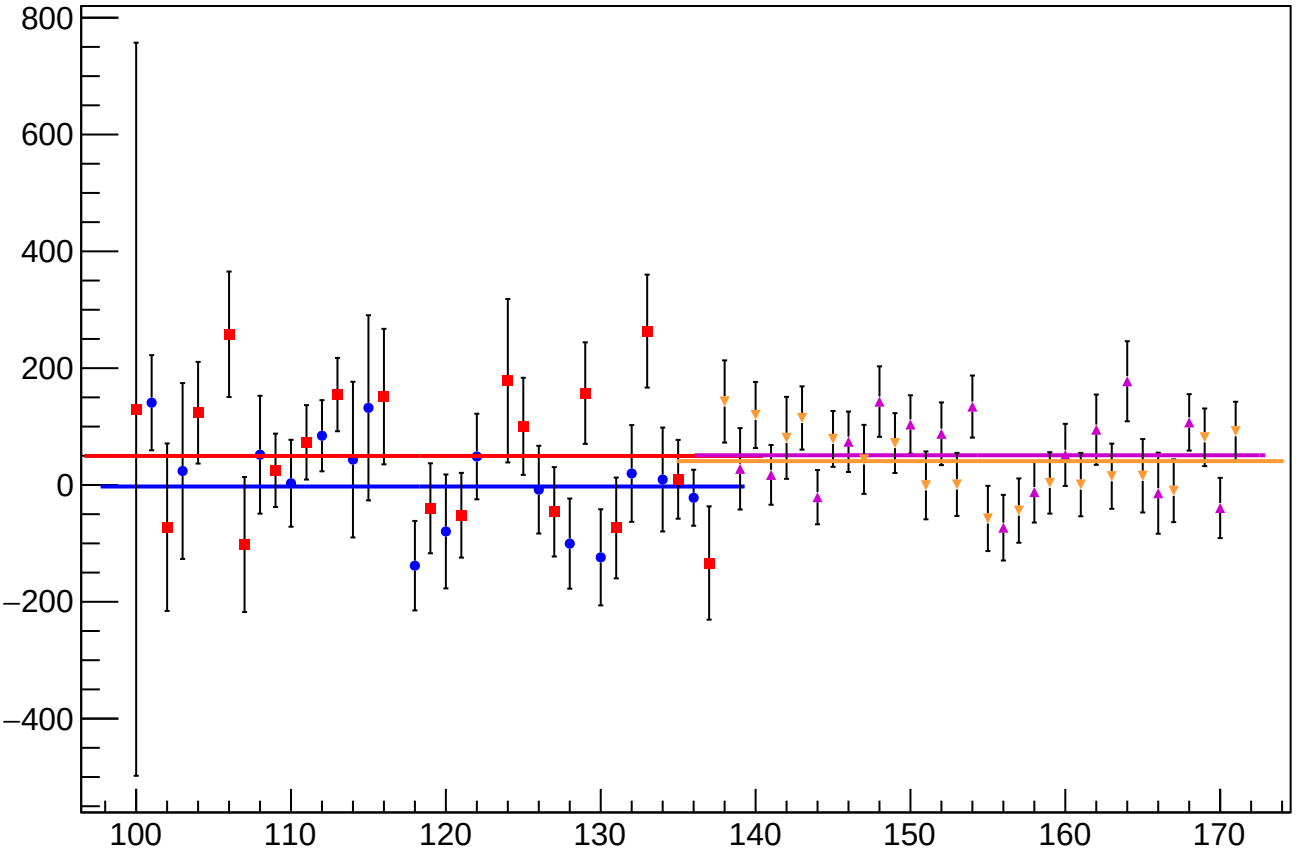
Left: 363.634+/-0.050 χ^2/NDF: 1708079.3/33

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 397.797+/-0.065 χ^2/NDF:2547183.8/31

Out: 397.424+/-0.063 χ^2/NDF:2806106.1/36

All: 397.605+/-0.045 χ^2/NDF: 5353307.0/68



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: 50.886+/-13.682 χ^2/NDF:25.1/15

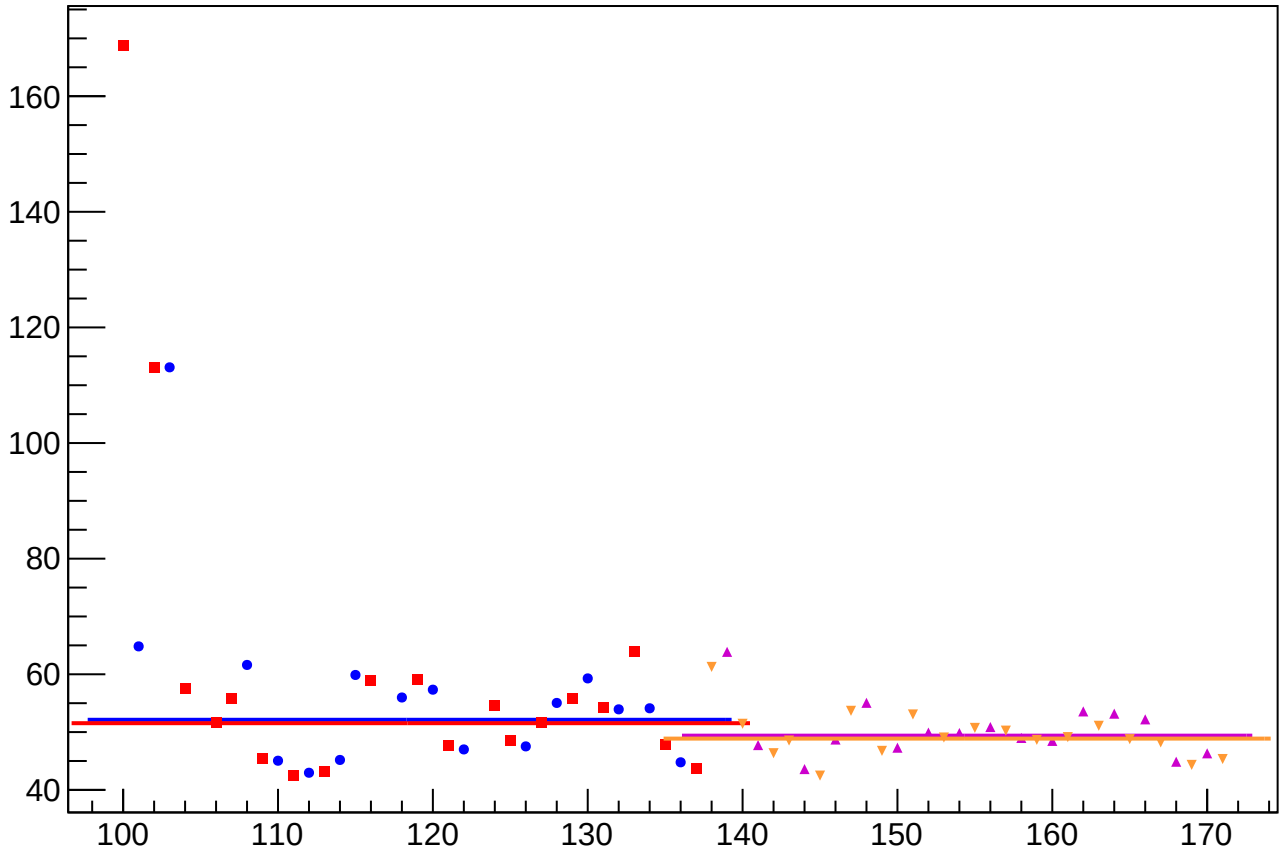
Left: 45.617+/-9.440 χ^2/NDF: 43.1/33

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 33.823+/-11.291 χ^2/NDF:44.5/31

Out: 43.545+/-10.861 χ^2/NDF:47.2/36

All: 38.873+/-7.828 χ^2/NDF: 92.1/68



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: 49.383+/-0.010 χ^2/NDF:187247.8/15

Left: 49.116+/-0.007 χ^2/NDF: 354237.5/33

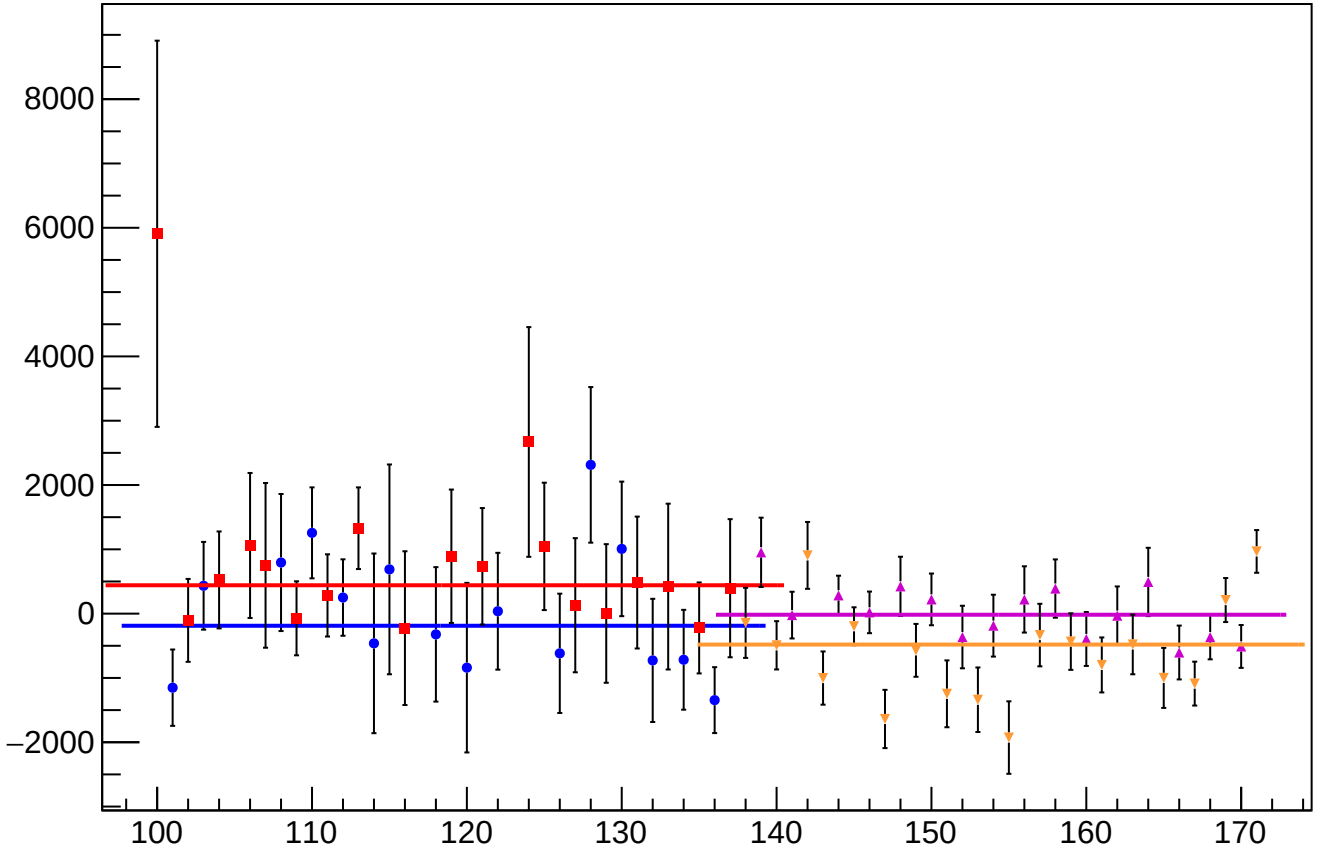
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 50.258+/-0.008 χ^2/NDF:775853.7/31

Out: 49.691+/-0.008 χ^2/NDF:830924.9/36

All: 49.964+/-0.006 χ^2/NDF: 1609404.9/68

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: -17.234+/-101.801 χ^2/NDF:14.1/15

Left: -257.047+/-70.722 χ^2/NDF: 81.2/33

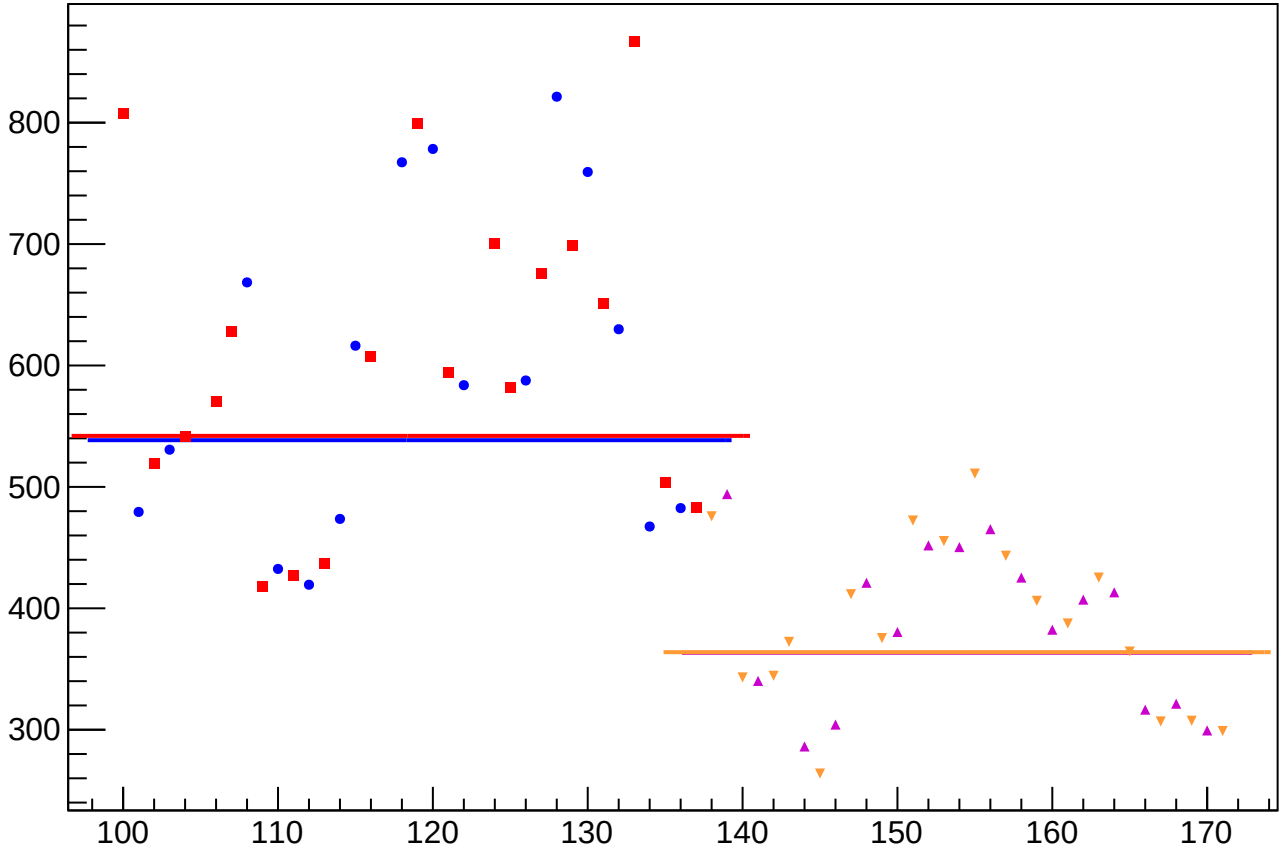
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: -50.907+/-91.248 χ^2/NDF:36.0/31

Out: -307.115+/-88.580 χ^2/NDF:83.9/36

All: -182.812+/-63.558 χ^2/NDF: 123.9/68

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: 363.380+/-0.072 χ^2/NDF:770213.6/15

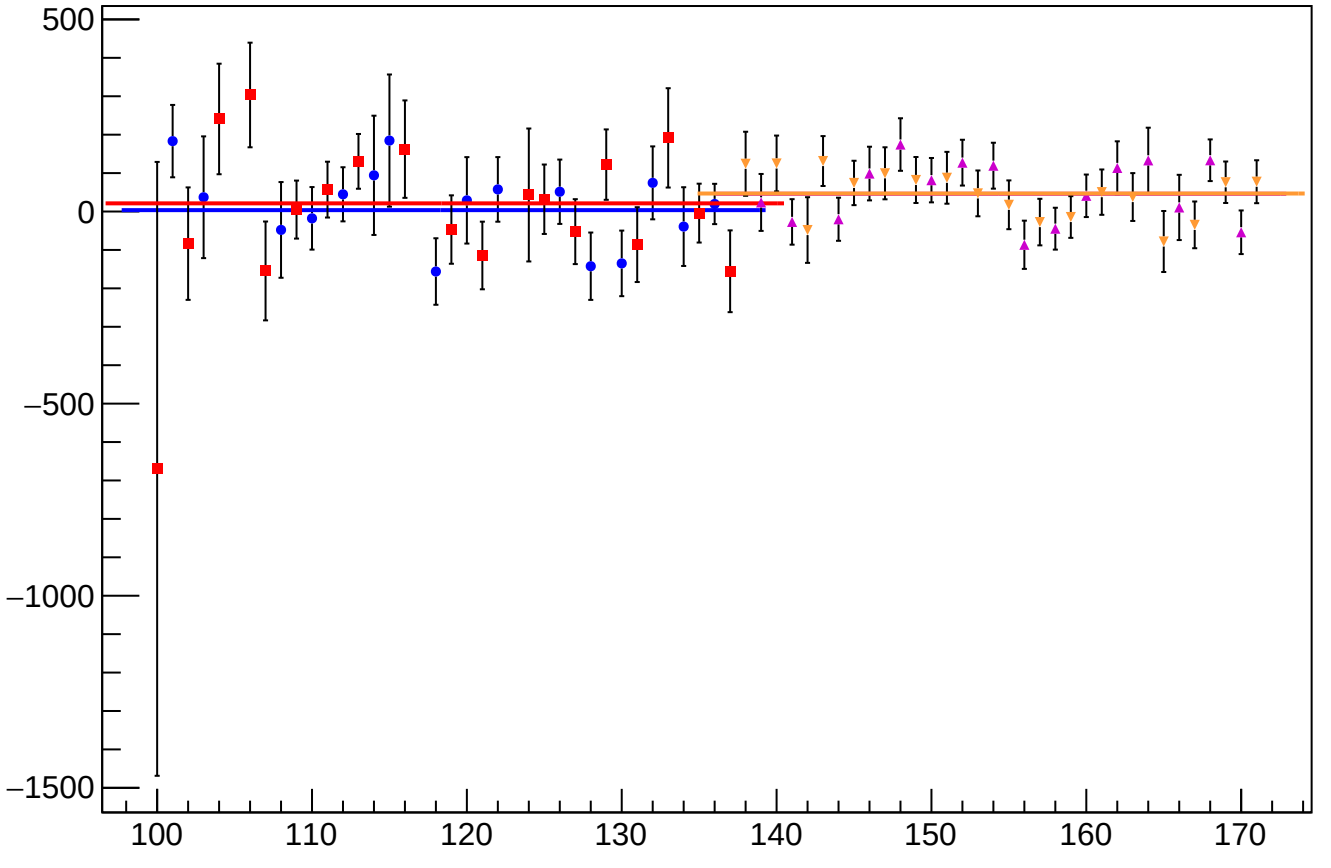
Left: 363.634+/-0.050 χ^2/NDF: 1708079.3/33

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 397.797+/-0.065 χ^2/NDF:2547183.8/31

Out: 397.424+/-0.063 χ^2/NDF:2806106.1/36

All: 397.605+/-0.045 χ^2/NDF: 5353307.0/68



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: 46.113+/-15.582 χ^2/NDF:25.9/15

Left: 46.503+/-10.769 χ^2/NDF: 40.3/33

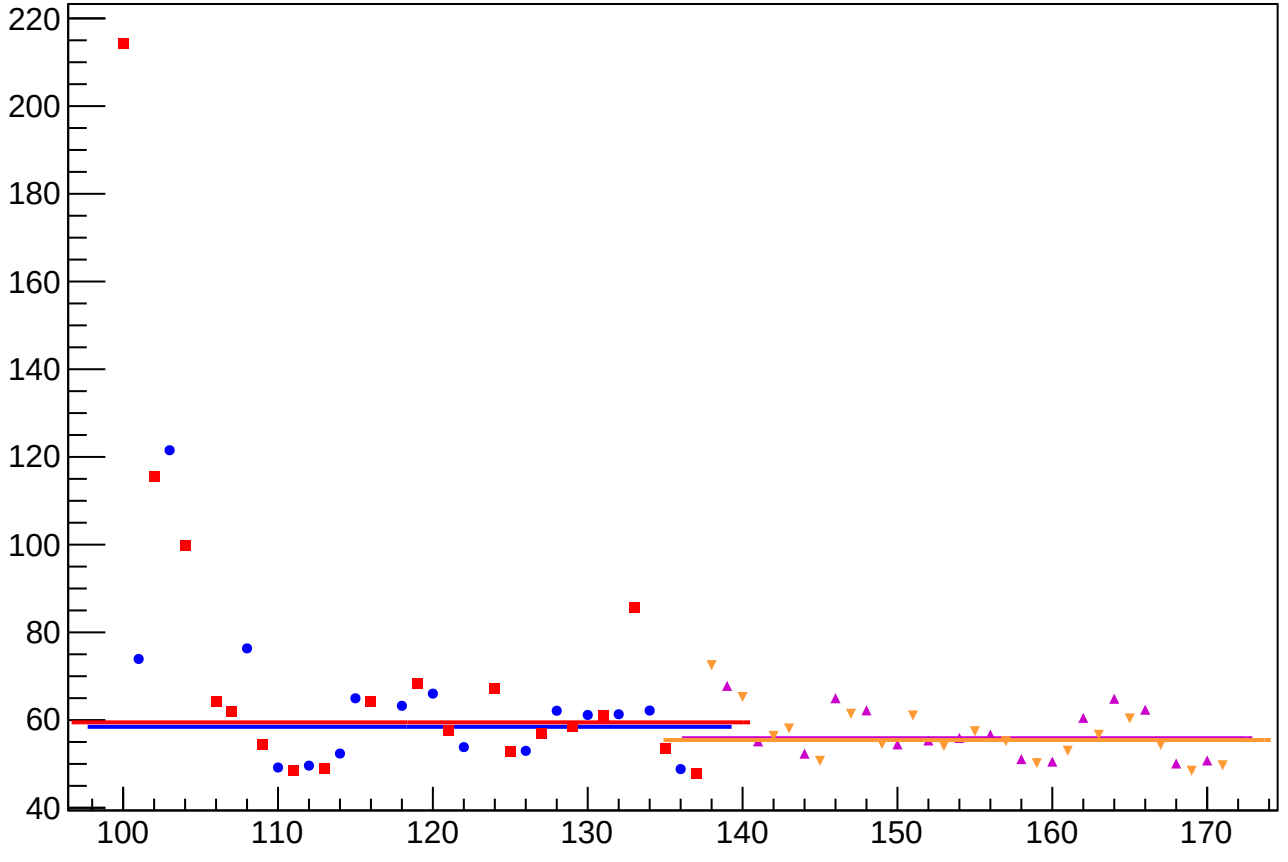
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 32.315+/-12.807 χ^2/NDF:44.5/31

Out: 39.182+/-12.468 χ^2/NDF:39.7/36

All: 35.840+/-8.933 χ^2/NDF: 84.3/68

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: 55.862+/-0.011 χ^2/NDF:228490.0/15

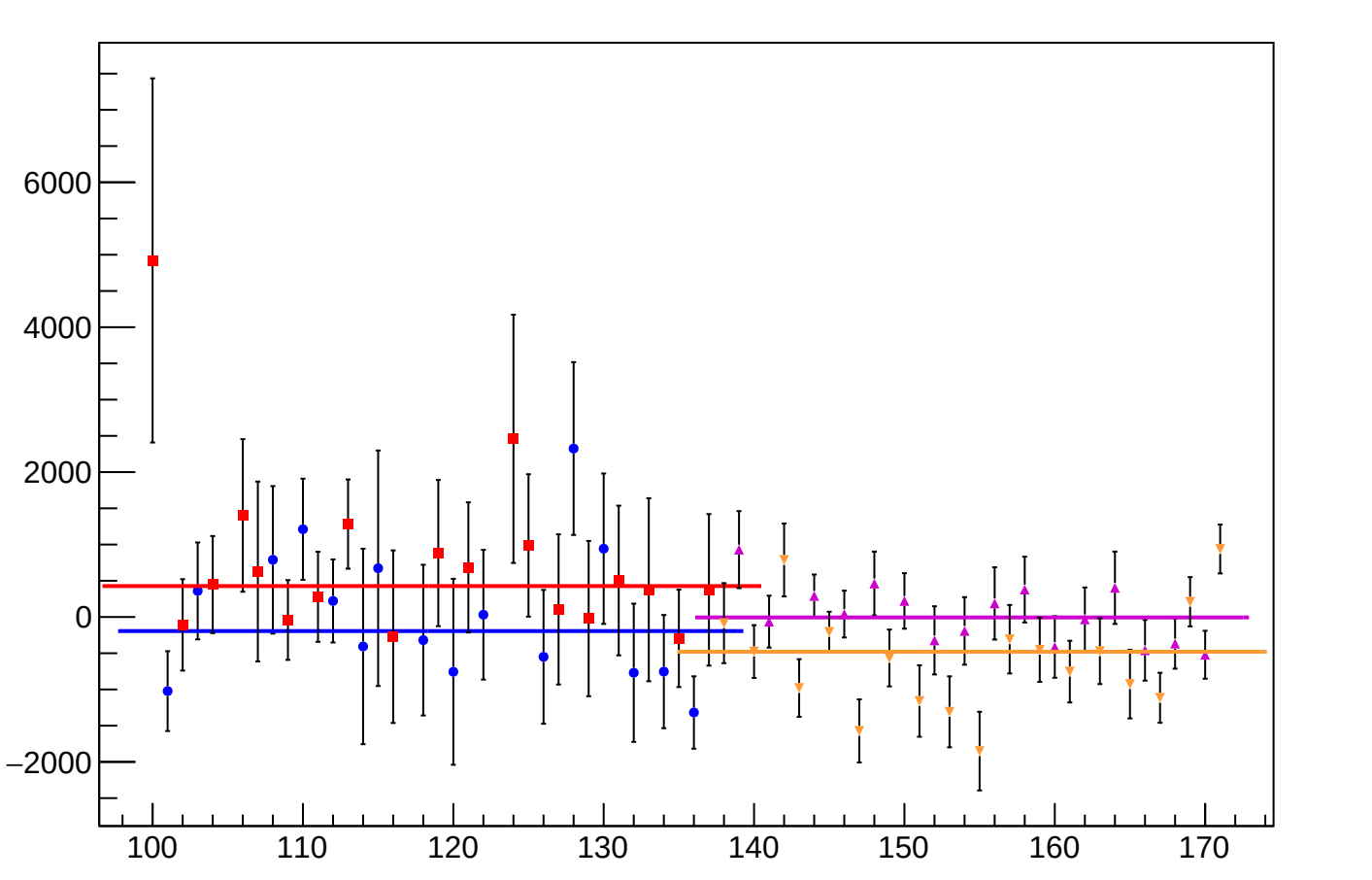
Left: 55.647+/-0.008 χ^2/NDF: 485847.3/33

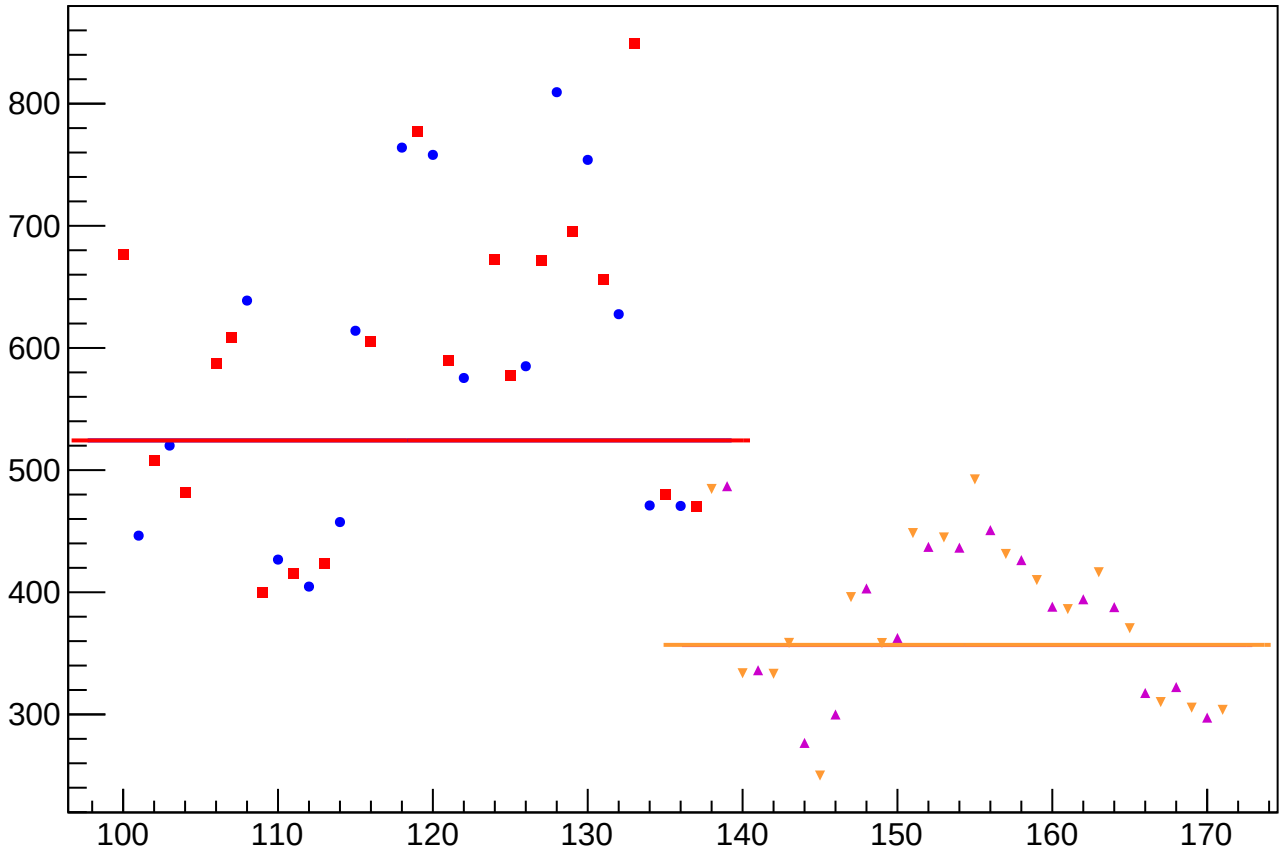
Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

In: 56.707+/-0.009 χ^2/NDF:829594.5/31

Out: 56.659+/-0.009 χ^2/NDF:1085468.0/36

All: 56.682+/-0.006 χ^2/NDF: 1915076.6/68


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: -5.922+/-99.904 χ²/NDF:13.4/15
Left: -251.137+/-69.357 χ²/NDF: 78.6/33
Right: 122.158+/-140.559 χ²/NDF: 37.0/34
In: -43.279+/-89.428 χ²/NDF:34.9/31
Out: -304.307+/-86.561 χ²/NDF:81.9/36
All: -178.044+/-62.197 χ²/NDF: 121.2/68



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: 356.779+/-0.071 χ^2/NDF:727901.4/15

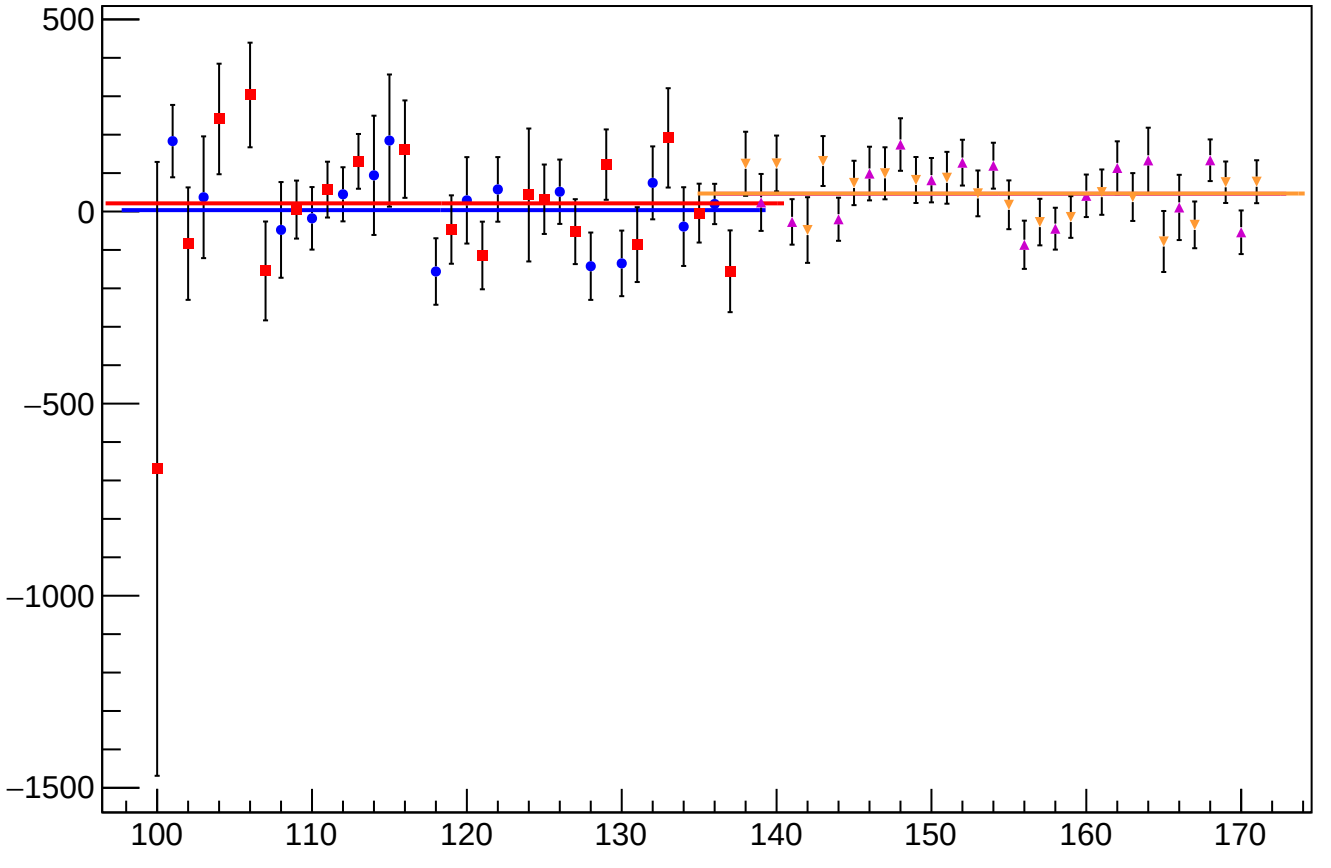
Left: 356.864+/-0.049 χ^2/NDF: 1673311.1/33

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 390.076+/-0.063 χ^2/NDF:2504300.0/31

Out: 389.255+/-0.061 χ^2/NDF:2796221.5/36

All: 389.652+/-0.044 χ^2/NDF: 5300608.5/68



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: 46.113+/-15.583 χ^2/NDF:25.9/15

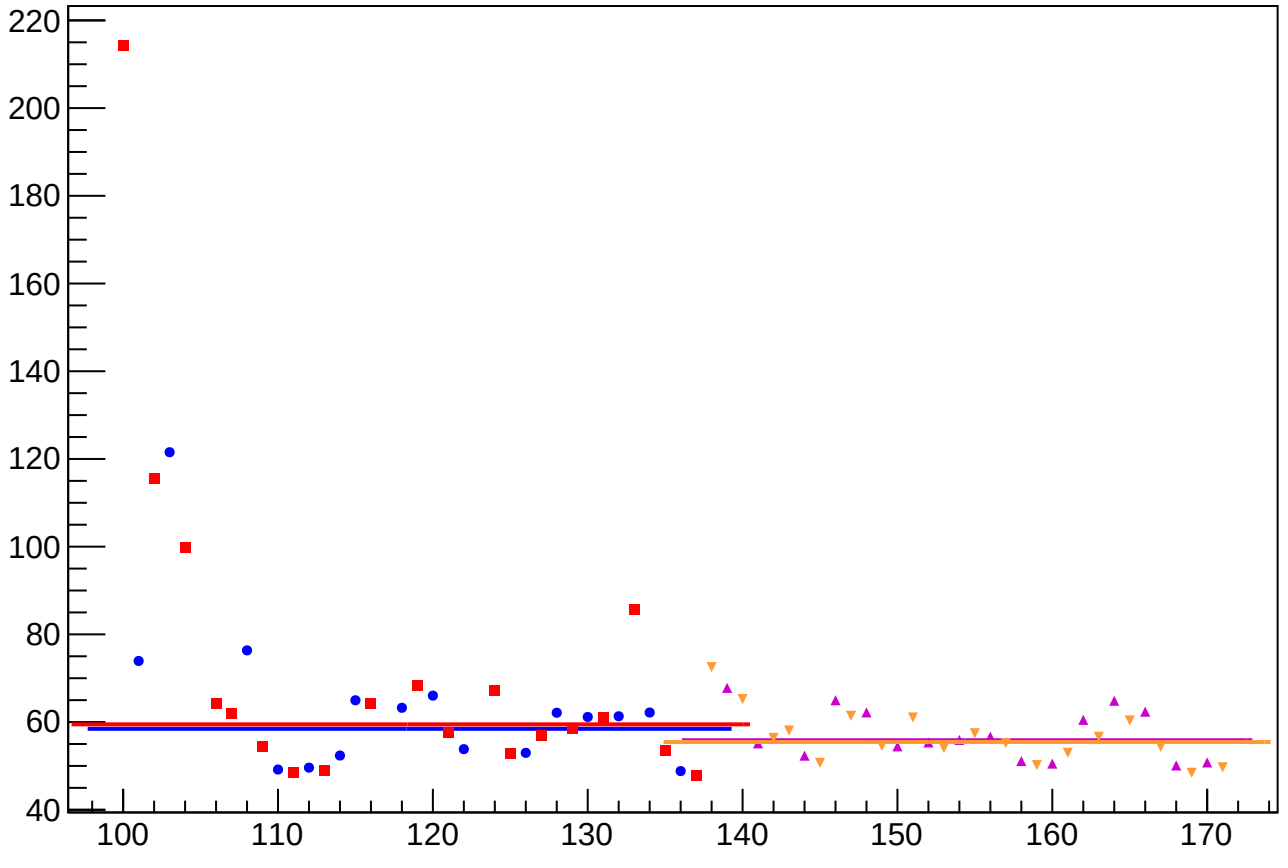
Left: 46.503+/-10.769 χ^2/NDF: 40.3/33

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 32.314+/-12.807 χ^2/NDF:44.5/31

Out: 39.182+/-12.468 χ^2/NDF:39.7/36

All: 35.840+/-8.933 χ^2/NDF: 84.3/68



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: 55.862+/-0.011 χ^2/NDF:228492.7/15

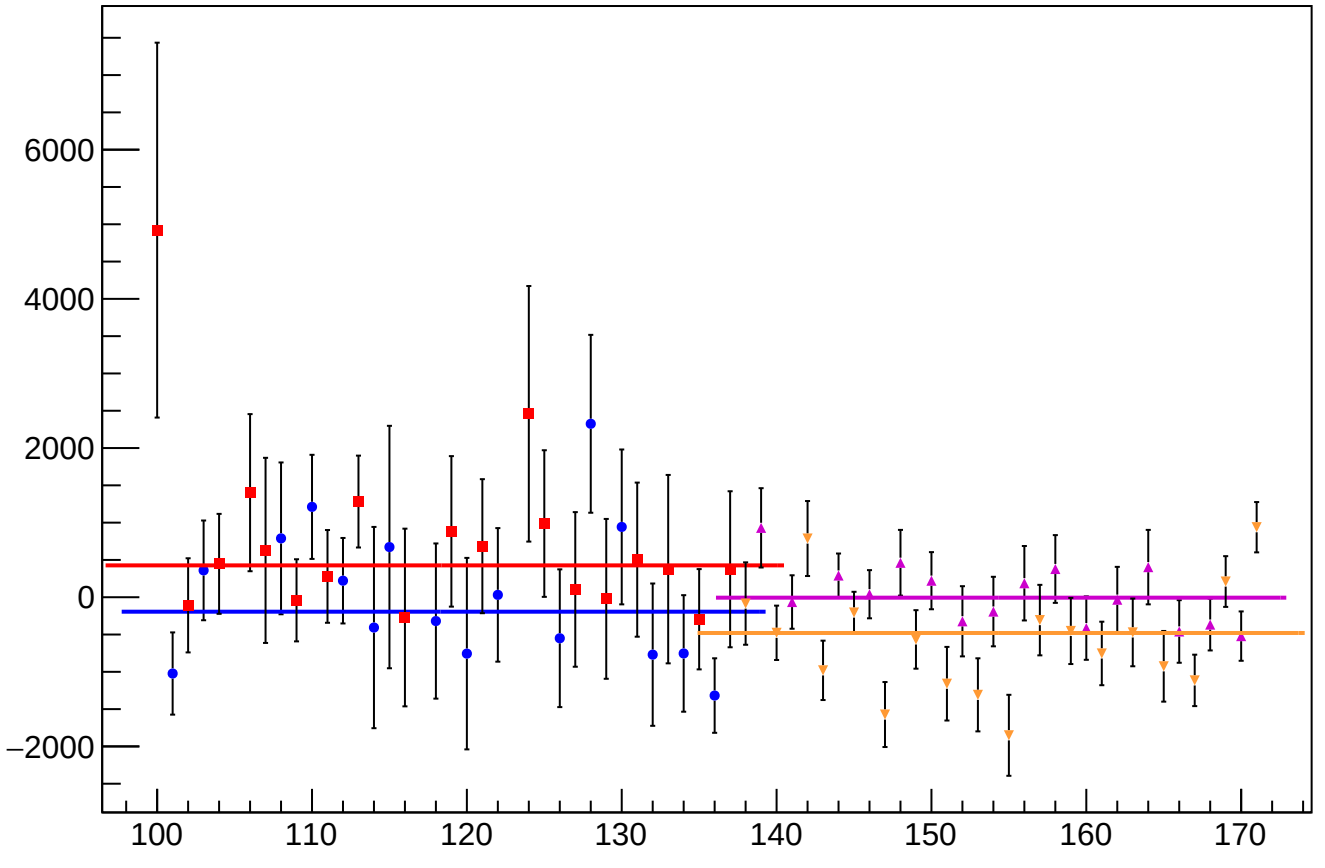
Left: 55.647+/-0.008 χ^2/NDF: 485857.5/33

Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.707+/-0.009 χ^2/NDF:829593.0/31

Out: 56.660+/-0.009 χ^2/NDF:1085475.5/36

All: 56.683+/-0.006 χ^2/NDF: 1915082.6/68



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -479.267+/-96.361 χ^2/NDF:53.5/17

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: -5.923+/-99.904 χ^2/NDF:13.4/15

Left: -251.137+/-69.356 χ^2/NDF: 78.6/33

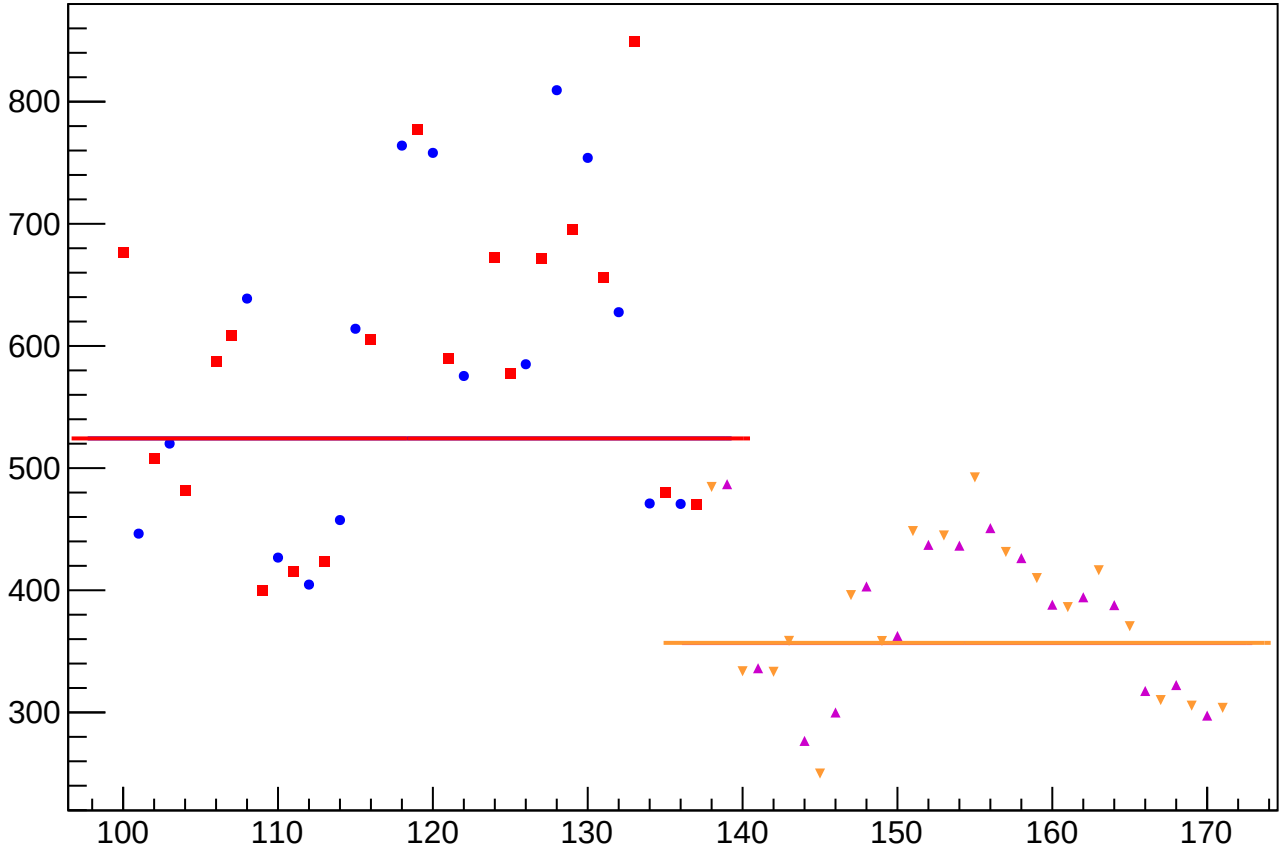
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: -43.280+/-89.428 χ^2/NDF:34.9/31

Out: -304.307+/-86.561 χ^2/NDF:81.9/36

All: -178.044+/-62.197 χ^2/NDF: 121.2/68

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: 356.778+/-0.071 χ^2/NDF:727897.3/15

Left: 356.864+/-0.049 χ^2/NDF: 1673303.9/33

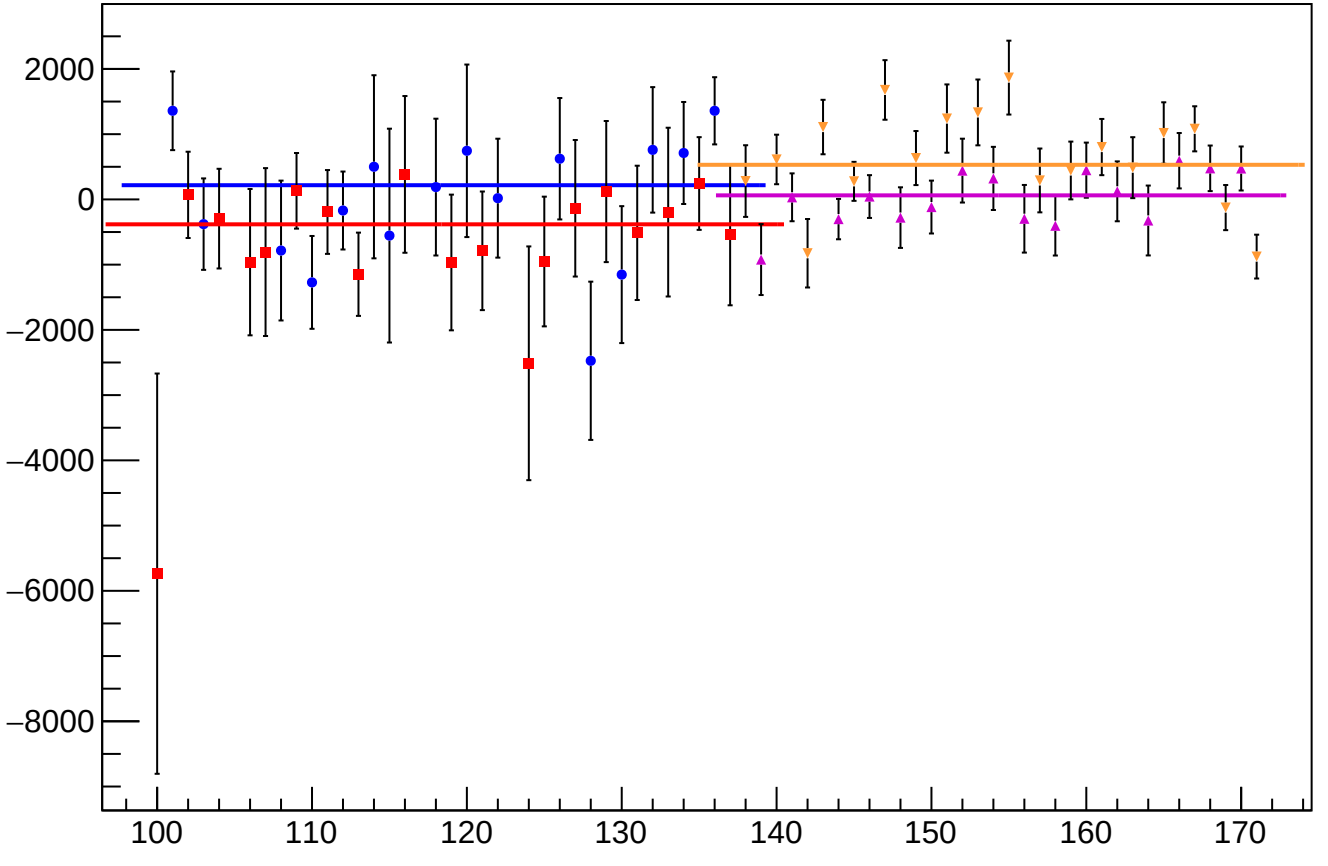
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 390.075+/-0.063 χ^2/NDF:2504294.4/31

Out: 389.254+/-0.061 χ^2/NDF:2796214.6/36

All: 389.652+/-0.044 χ^2/NDF: 5300596.1/68

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: 62.143+/-102.802 χ^2/NDF:13.7/15

Left: 304.530+/-71.408 χ^2/NDF: 75.7/33

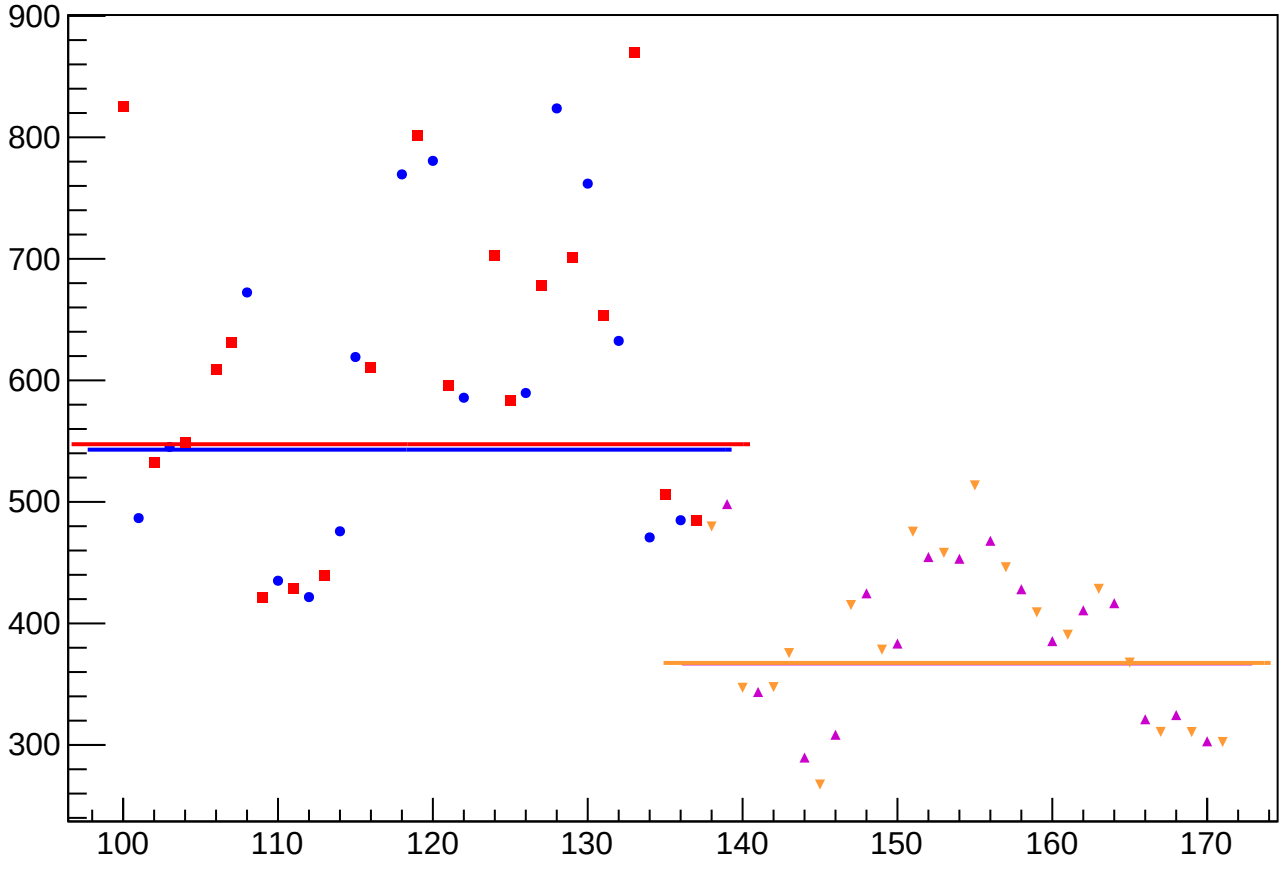
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 92.813+/-92.116 χ^2/NDF:37.0/31

Out: 358.033+/-89.389 χ^2/NDF:77.3/36

All: 229.407+/-64.150 χ^2/NDF: 118.5/68

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: 367.105+/-0.073 χ^2/NDF:751221.0/15

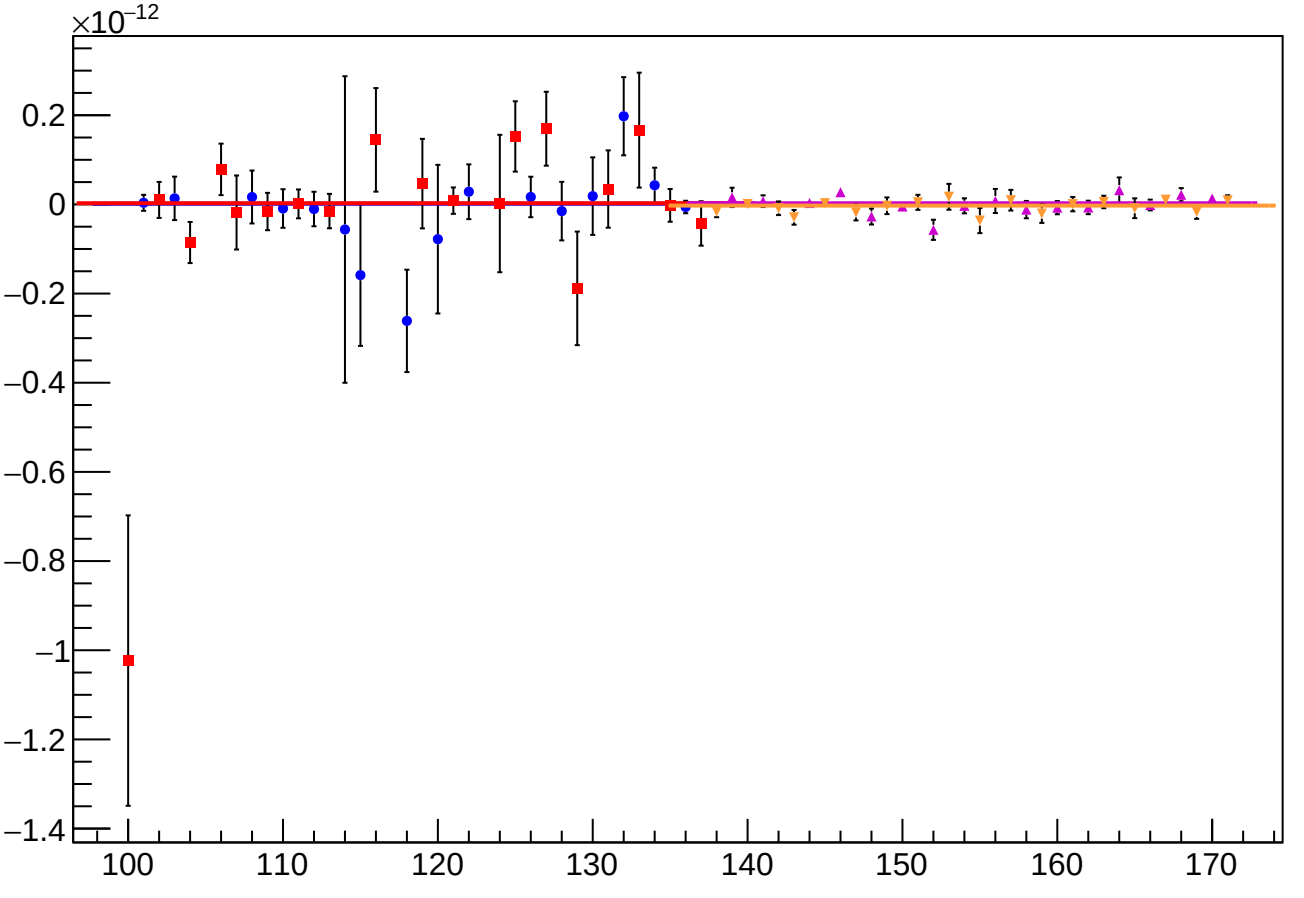
Left: 367.312+/-0.050 χ^2/NDF: 1666738.8/33

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 401.772+/-0.065 χ^2/NDF:2510426.7/31

Out: 401.527+/-0.063 χ^2/NDF:2788556.9/36

All: 401.645+/-0.045 χ^2/NDF: 5298990.9/68



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:21.1/15

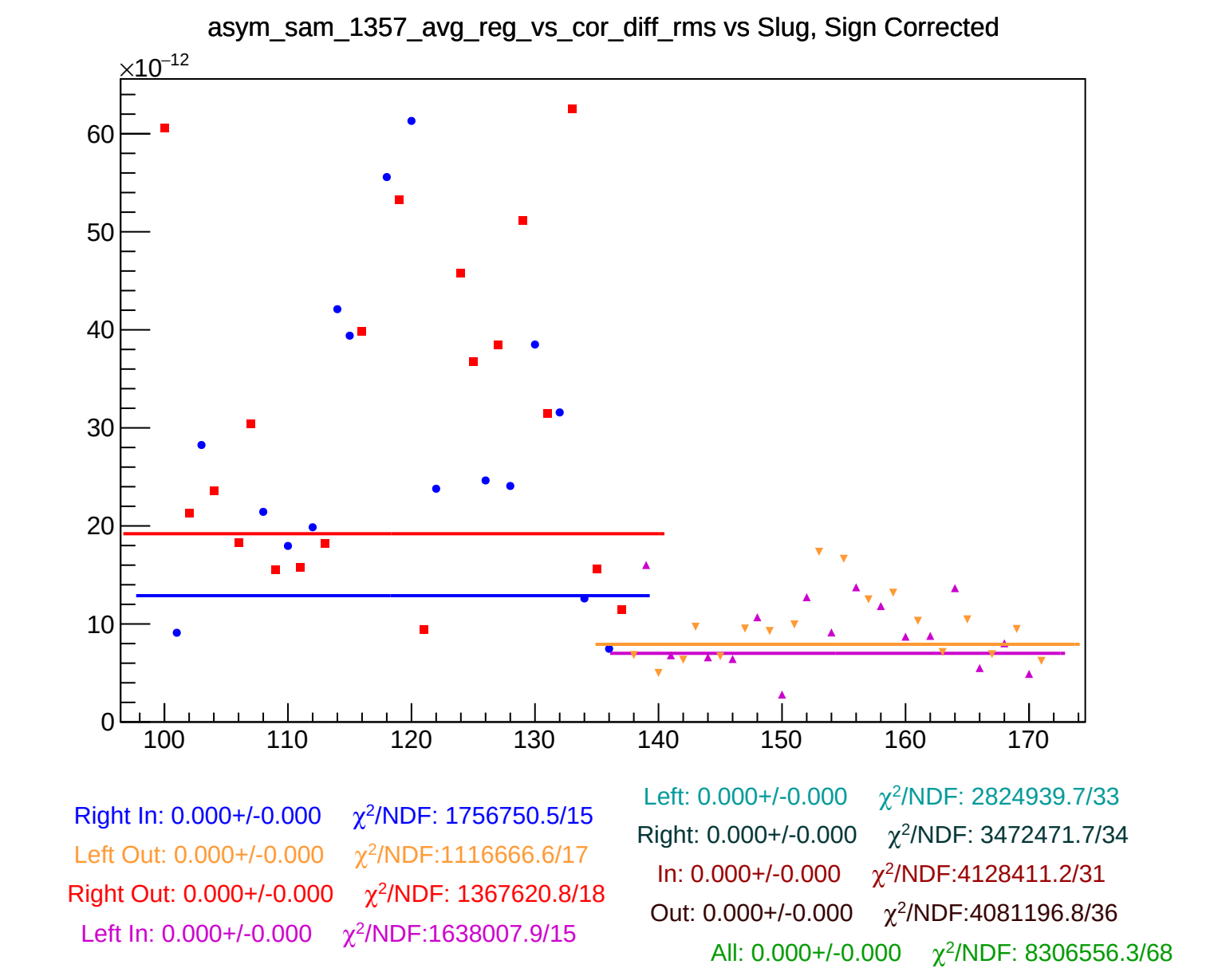
Left: -0.000+/-0.000 χ^2/NDF: 34.0/33

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

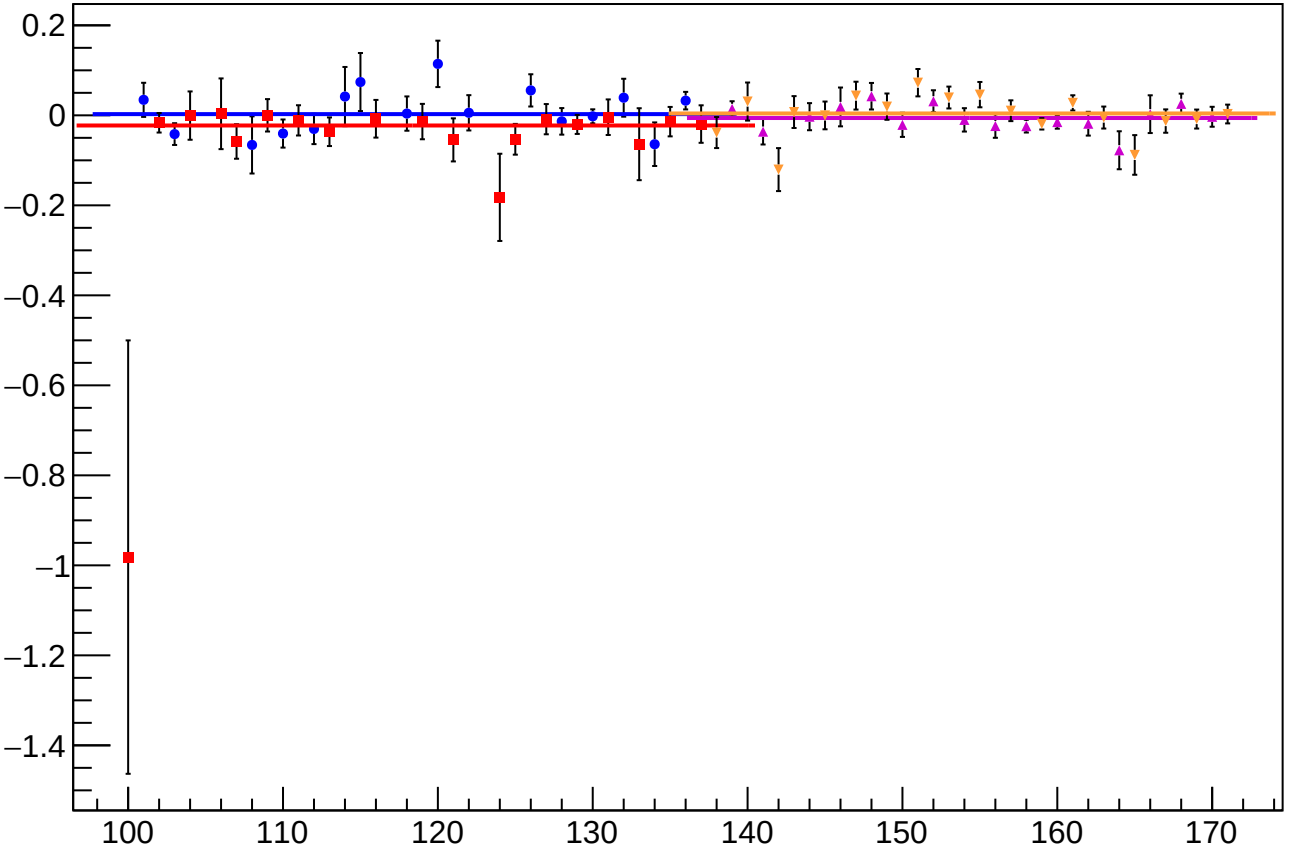
In: 0.000+/-0.000 χ^2/NDF:34.8/31

Out: -0.000+/-0.000 χ^2/NDF:42.0/36

All: 0.000+/-0.000 χ^2/NDF: 77.7/68


asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1756750.5/15
Left Out: 0.000+/-0.000 χ²/NDF:1116666.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 1367620.8/18
Left In: 0.000+/-0.000 χ²/NDF:1638007.9/15
Left: 0.000+/-0.000 χ²/NDF: 2824939.7/33
Right: 0.000+/-0.000 χ²/NDF: 3472471.7/34
In: 0.000+/-0.000 χ²/NDF:4128411.2/31
Out: 0.000+/-0.000 χ²/NDF:4081196.8/36
All: 0.000+/-0.000 χ²/NDF: 8306556.3/68

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: -0.006+/-0.006 χ^2/NDF:15.8/15

Left: -0.001+/-0.004 χ^2/NDF: 48.0/33

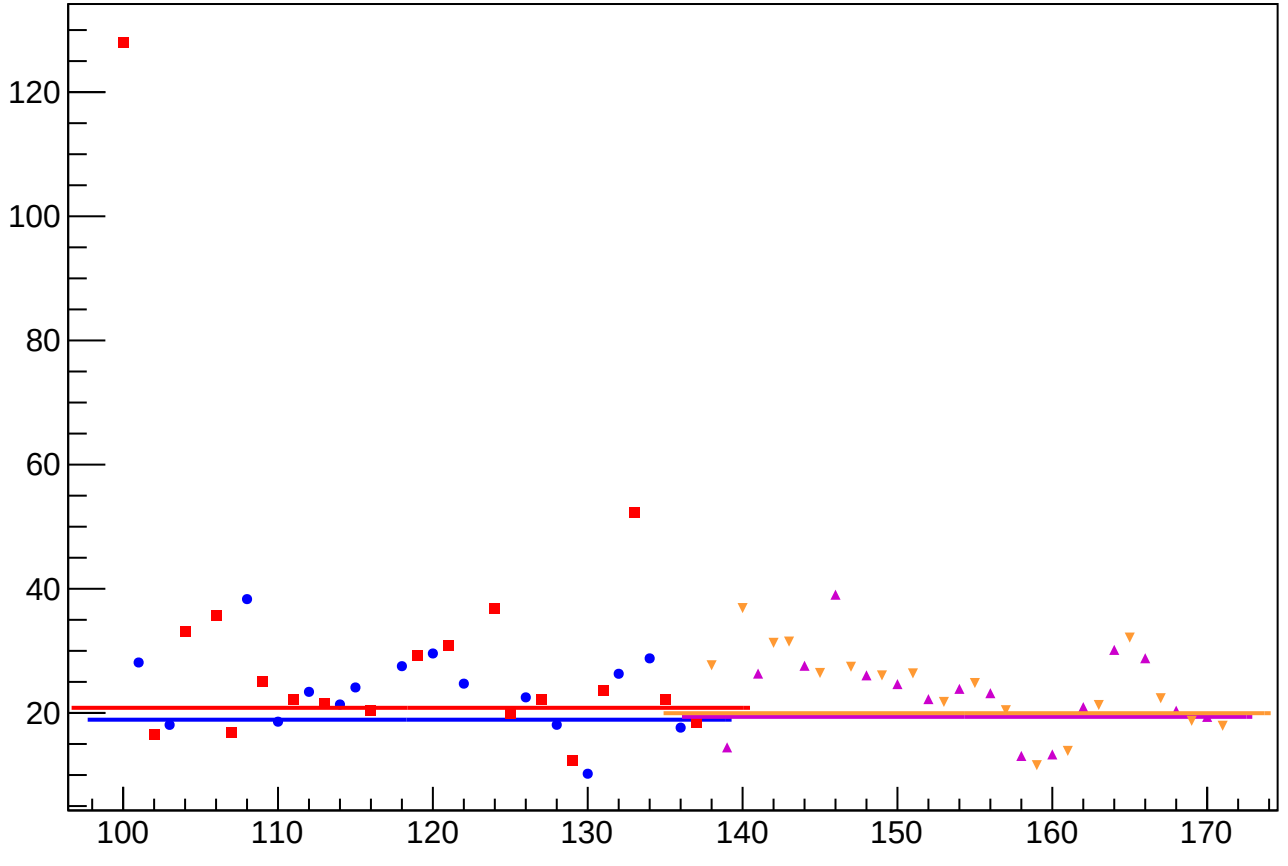
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.004+/-0.005 χ^2/NDF:48.2/36

All: -0.004+/-0.003 χ^2/NDF: 86.8/68

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.959+/-0.004 χ^2/NDF:2533672.6/17

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.371+/-0.004 χ^2/NDF:2131138.9/15

Left: 19.666+/-0.003 χ^2/NDF: 4675057.5/33

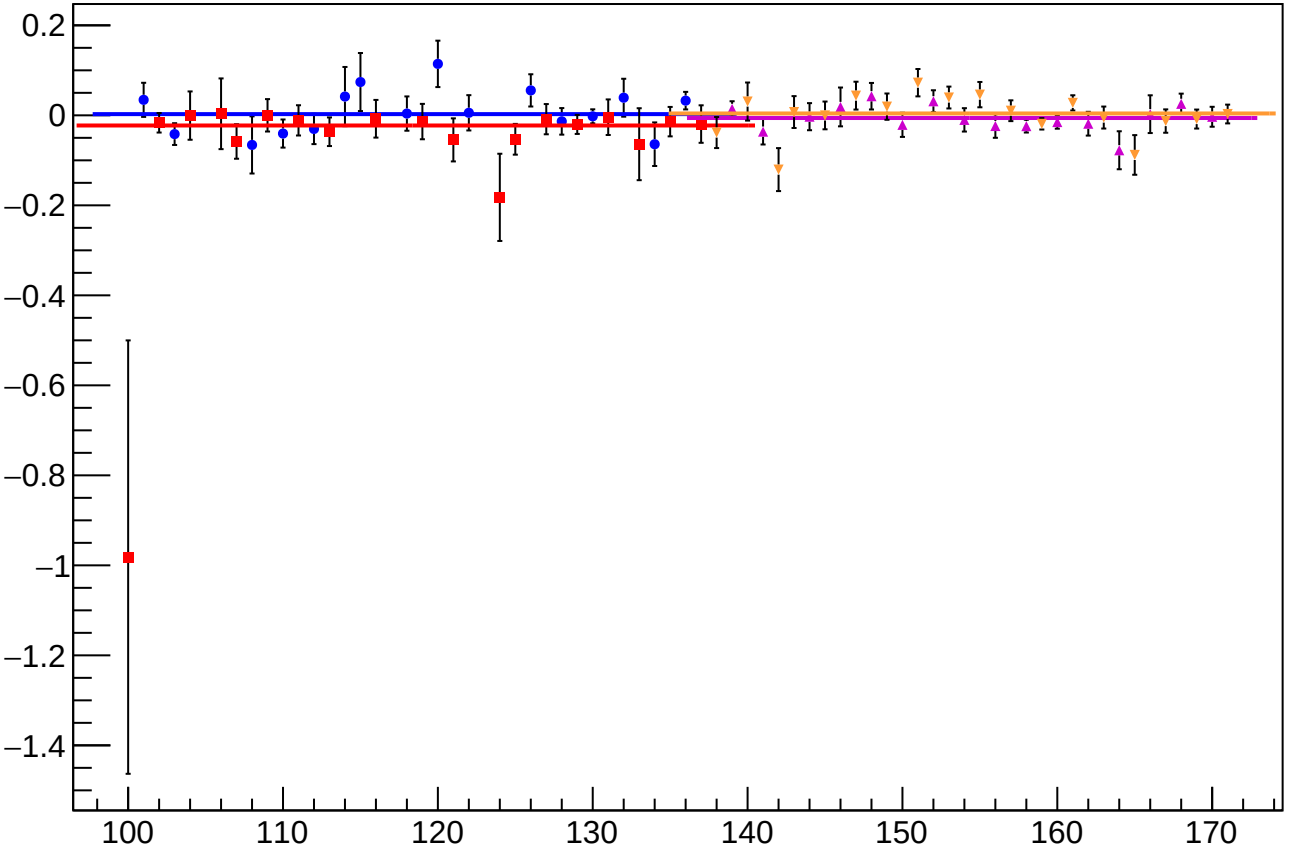
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.207+/-0.003 χ^2/NDF:3525957.6/31

Out: 20.237+/-0.003 χ^2/NDF:3839546.2/36

All: 19.709+/-0.002 χ^2/NDF: 7413041.5/68

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: -0.006+/-0.006 χ^2/NDF:15.8/15

Left: -0.001+/-0.004 χ^2/NDF: 48.0/33

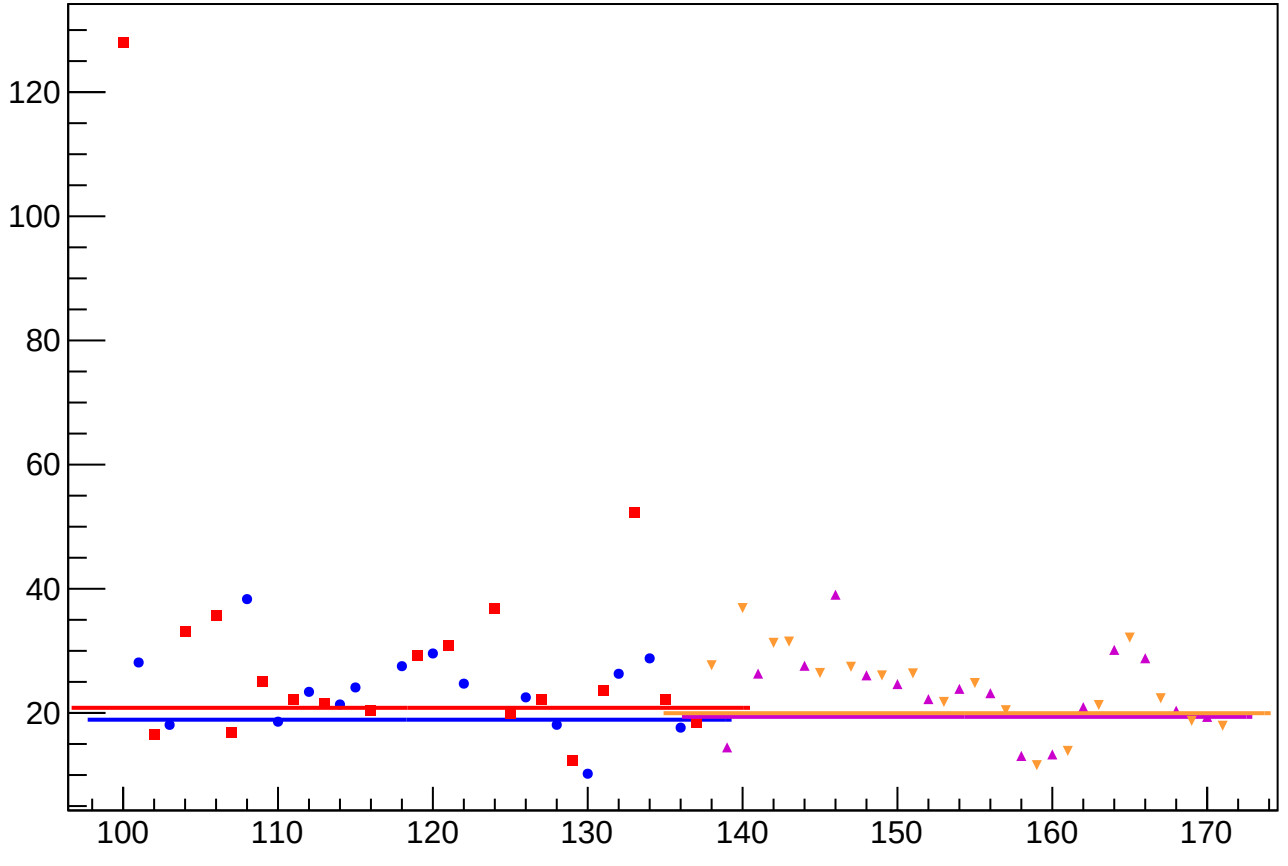
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.004+/-0.005 χ^2/NDF:48.2/36

All: -0.004+/-0.003 χ^2/NDF: 86.8/68

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: 19.371+/-0.004 χ^2/NDF:2131138.9/15

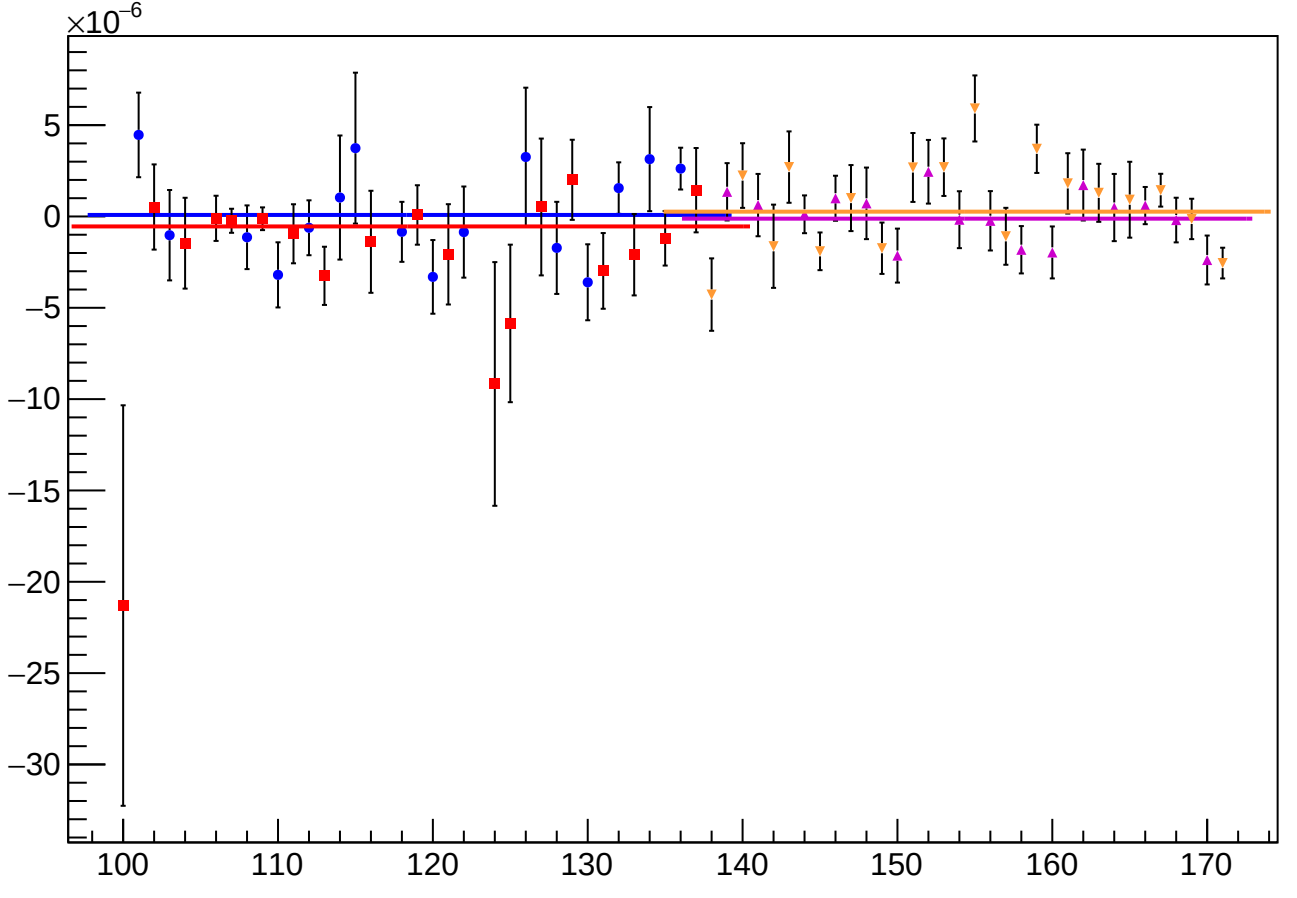
Left: 19.666+/-0.003 χ^2/NDF: 4675057.5/33

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.207+/-0.003 χ^2/NDF:3525957.6/31

Out: 20.237+/-0.003 χ^2/NDF:3839546.2/36

All: 19.709+/-0.002 χ^2/NDF: 7413041.5/68



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:14.0/15

Left: 0.000+/-0.000 χ^2/NDF: 65.7/33

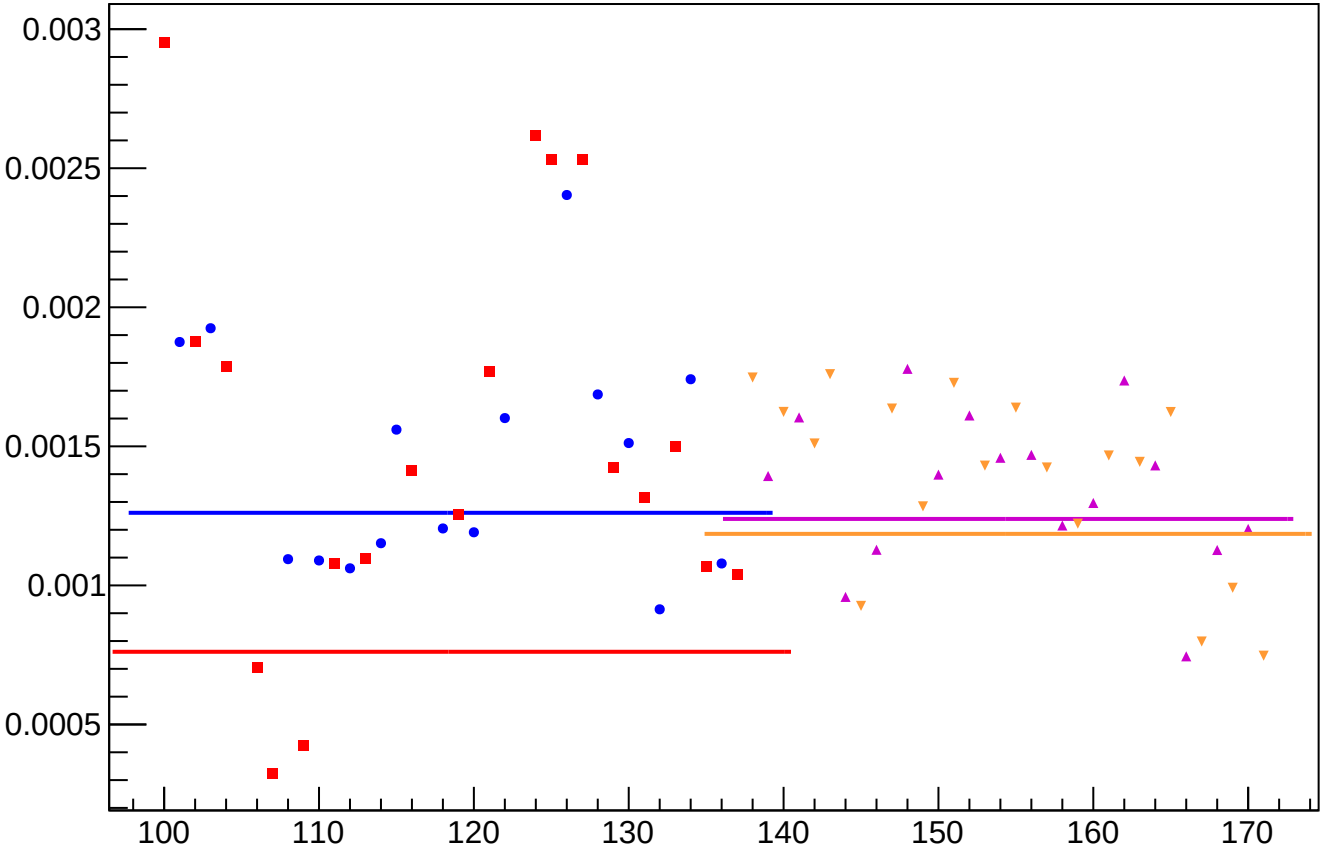
Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:37.6/31

Out: -0.000+/-0.000 χ^2/NDF:69.7/36

All: -0.000+/-0.000 χ^2/NDF: 107.4/68

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2321801.8/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1265955.7/15

Left: 0.001+/-0.000 χ^2/NDF: 3612510.1/33

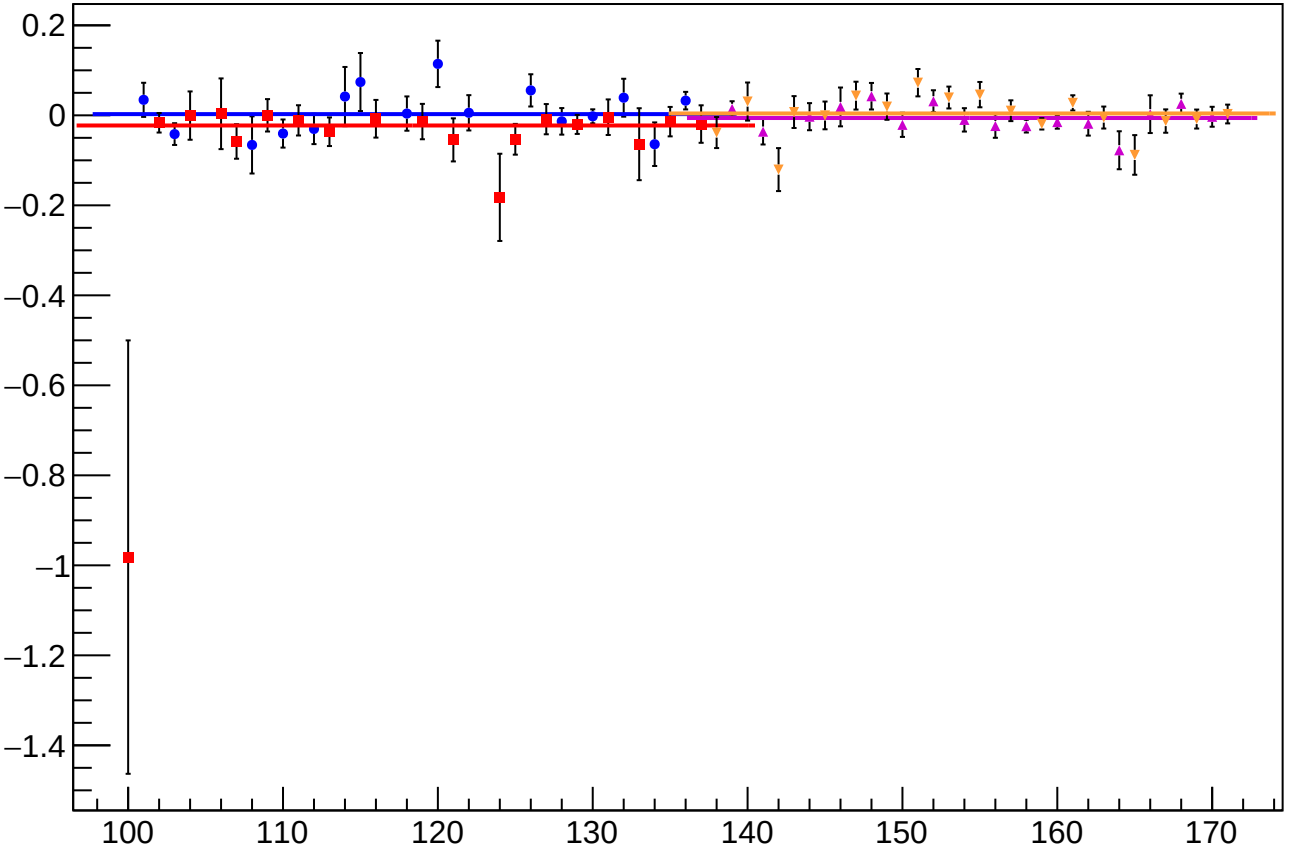
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2175980.2/31

Out: 0.001+/-0.000 χ^2/NDF:8607006.3/36

All: 0.001+/-0.000 χ^2/NDF: 11824424.3/68

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: -0.006+/-0.006 χ^2/NDF:15.8/15

Left: -0.001+/-0.004 χ^2/NDF: 48.0/33

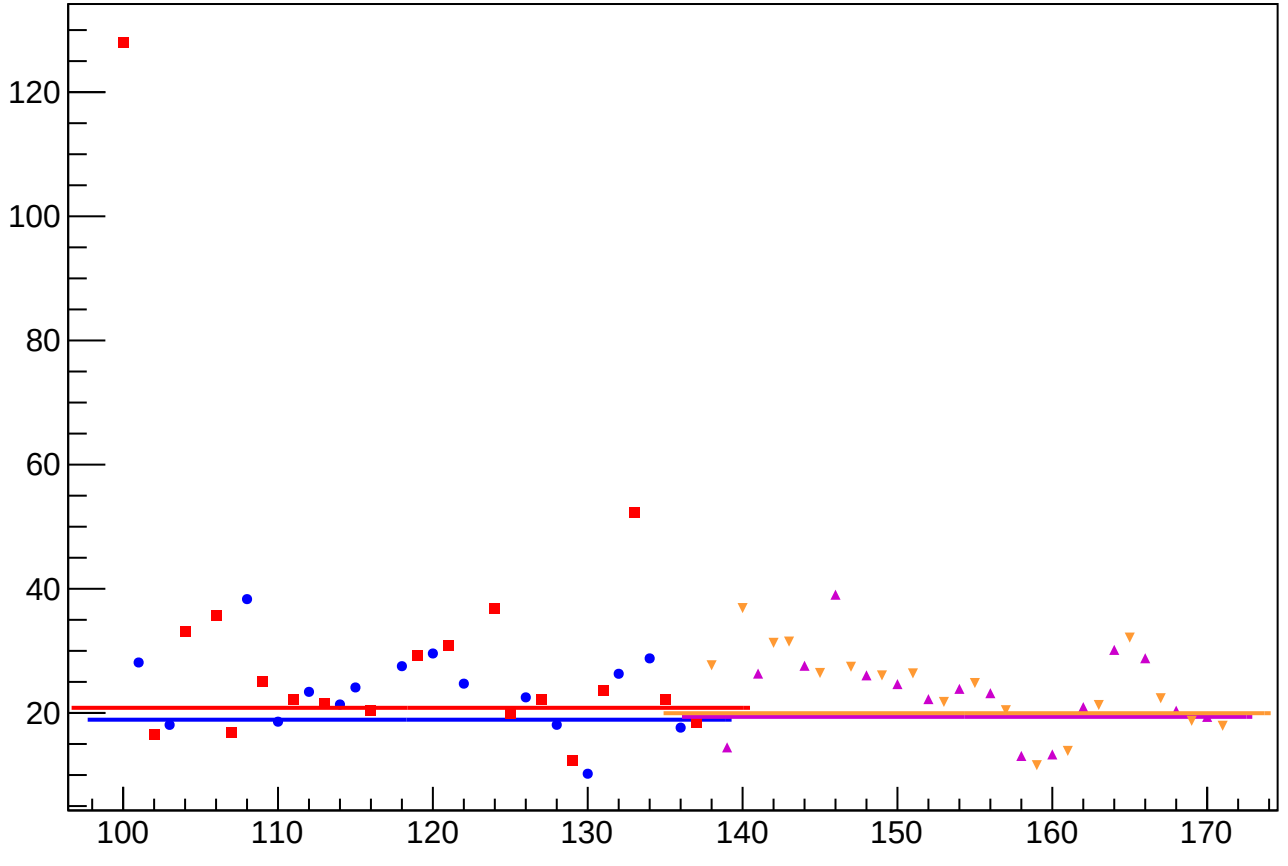
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.004+/-0.005 χ^2/NDF:48.2/36

All: -0.004+/-0.003 χ^2/NDF: 86.8/68

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: 19.372+/-0.004 χ^2/NDF:2131235.0/15

Left: 19.667+/-0.003 χ^2/NDF: 4675347.7/33

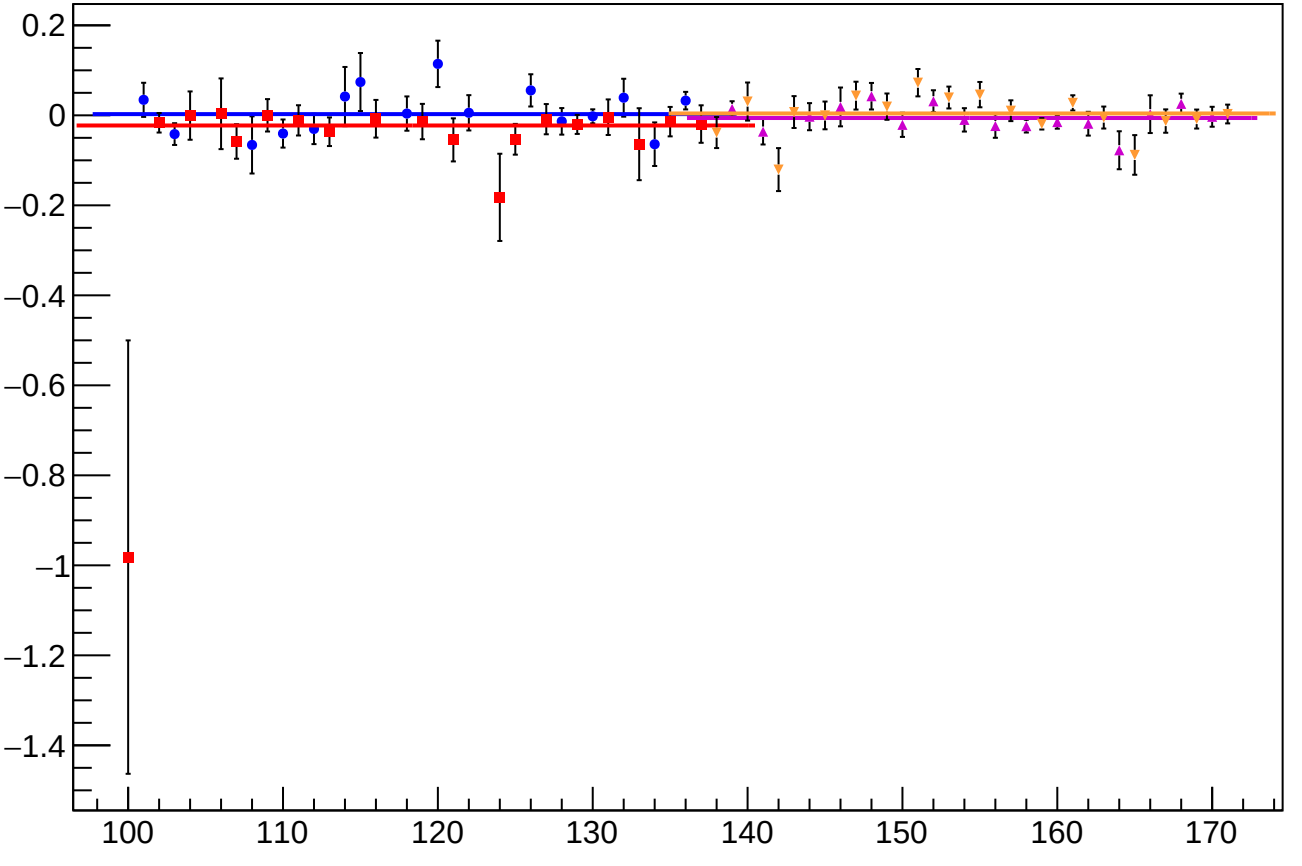
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.207+/-0.003 χ^2/NDF:3525933.6/31

Out: 20.237+/-0.003 χ^2/NDF:3839747.8/36

All: 19.710+/-0.002 χ^2/NDF: 7413201.6/68

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: -0.006+/-0.006 χ^2/NDF:15.8/15

Left: -0.001+/-0.004 χ^2/NDF: 48.0/33

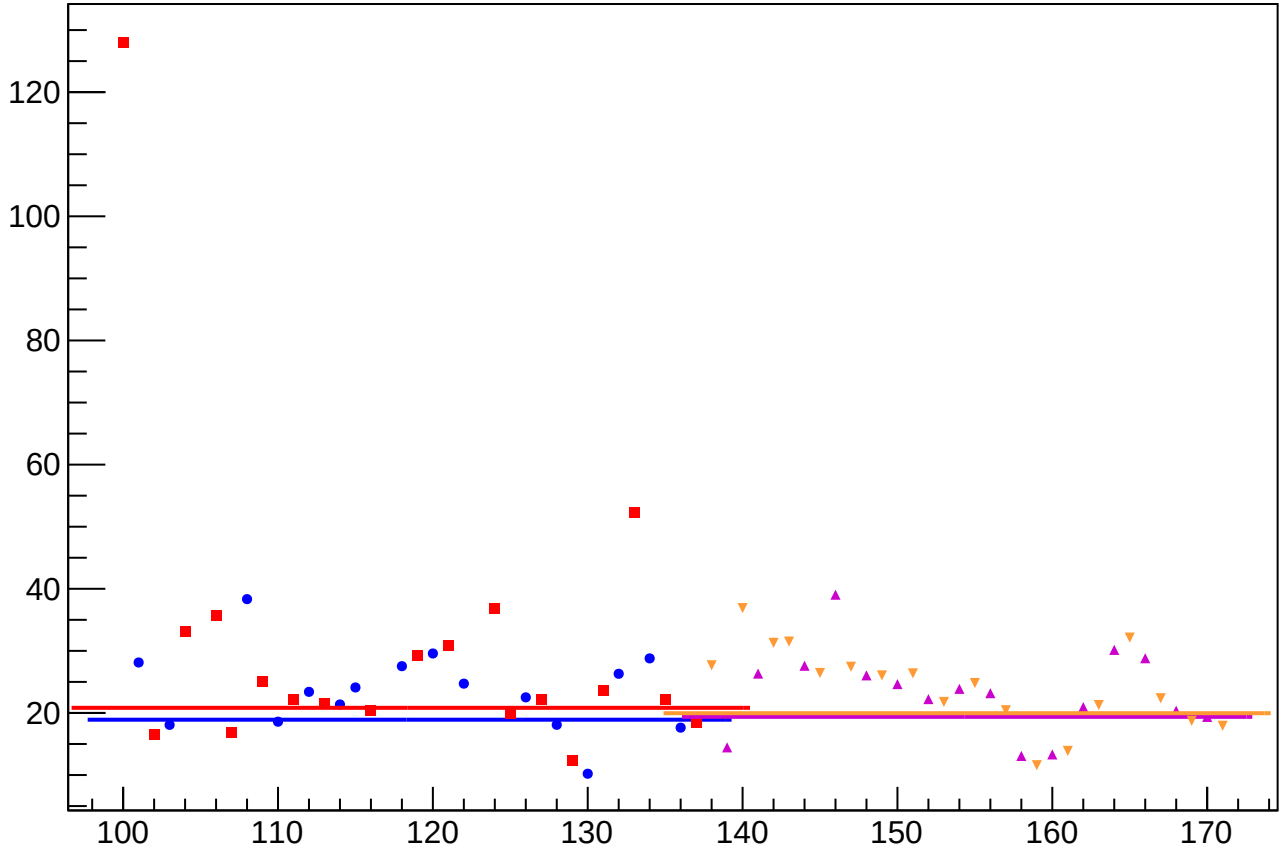
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:38.5/31

Out: -0.004+/-0.005 χ^2/NDF:48.2/36

All: -0.004+/-0.003 χ^2/NDF: 86.8/68

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: 19.372+/-0.004 χ^2/NDF:2131235.0/15

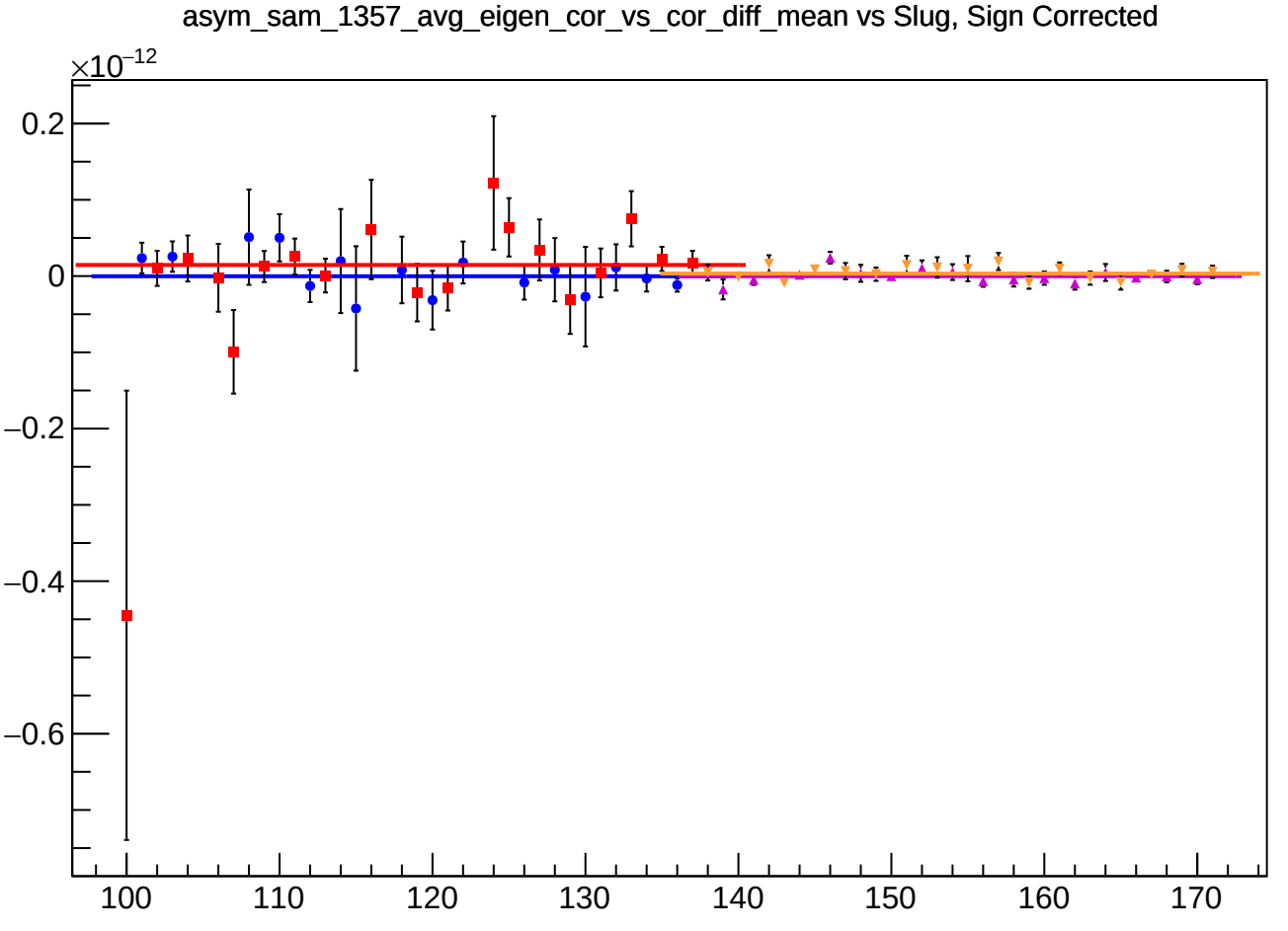
Left: 19.667+/-0.003 χ^2/NDF: 4675347.7/33

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.207+/-0.003 χ^2/NDF:3525933.6/31

Out: 20.237+/-0.003 χ^2/NDF:3839747.8/36

All: 19.710+/-0.002 χ^2/NDF: 7413201.6/68



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:16.8/15

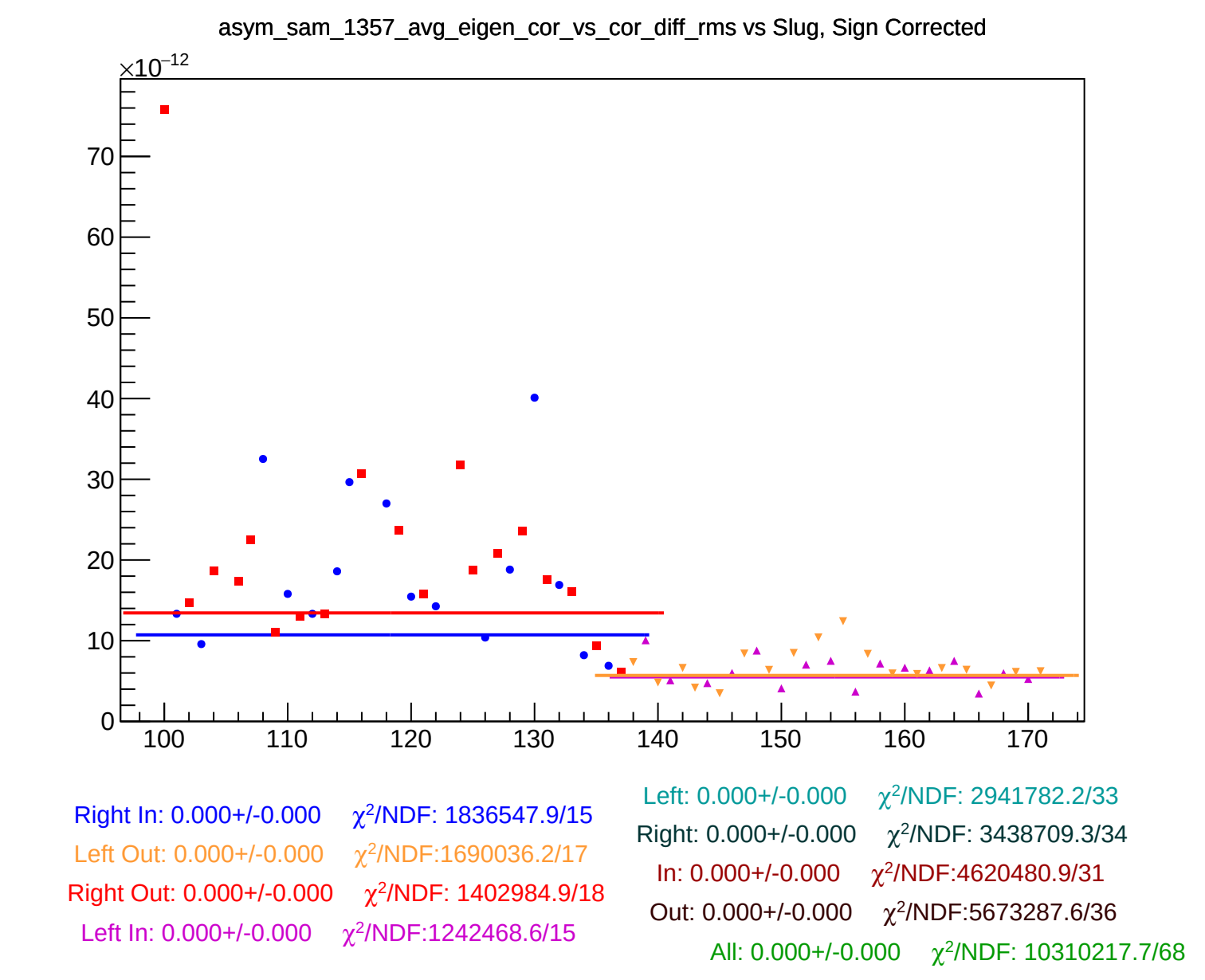
Left: 0.000+/-0.000 χ^2/NDF: 33.6/33

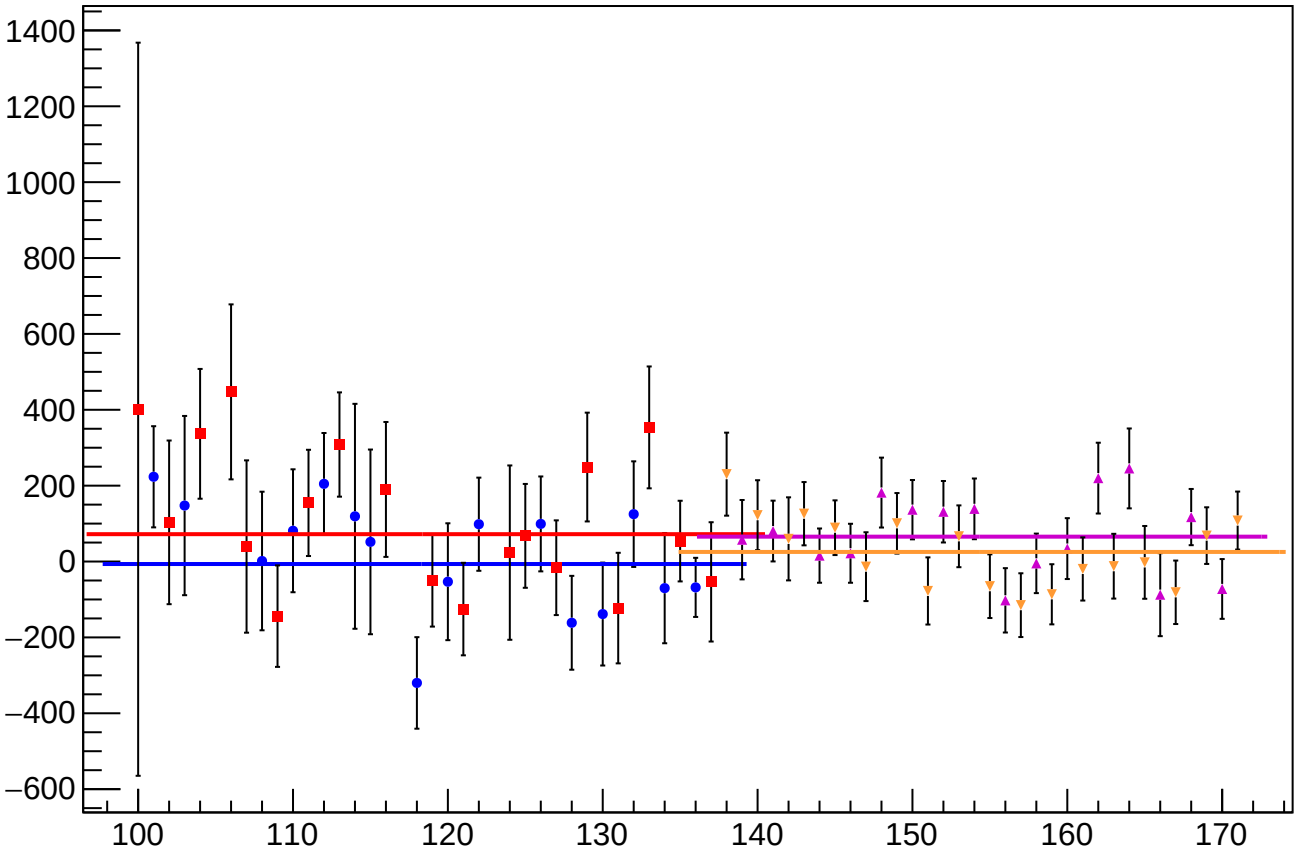
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:27.3/31

Out: 0.000+/-0.000 χ^2/NDF:35.5/36

All: 0.000+/-0.000 χ^2/NDF: 65.7/68


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1836547.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1690036.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 1402984.9/18
Left In: 0.000+/-0.000 χ²/NDF:1242468.6/15
Left: 0.000+/-0.000 χ²/NDF: 2941782.2/33
Right: 0.000+/-0.000 χ²/NDF: 3438709.3/34
In: 0.000+/-0.000 χ²/NDF:4620480.9/31
Out: 0.000+/-0.000 χ²/NDF:5673287.6/36
All: 0.000+/-0.000 χ²/NDF: 10310217.7/68



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: 65.562+/-20.911 χ^2/NDF:20.8/15

Left: 44.510+/-14.447 χ^2/NDF: 42.0/33

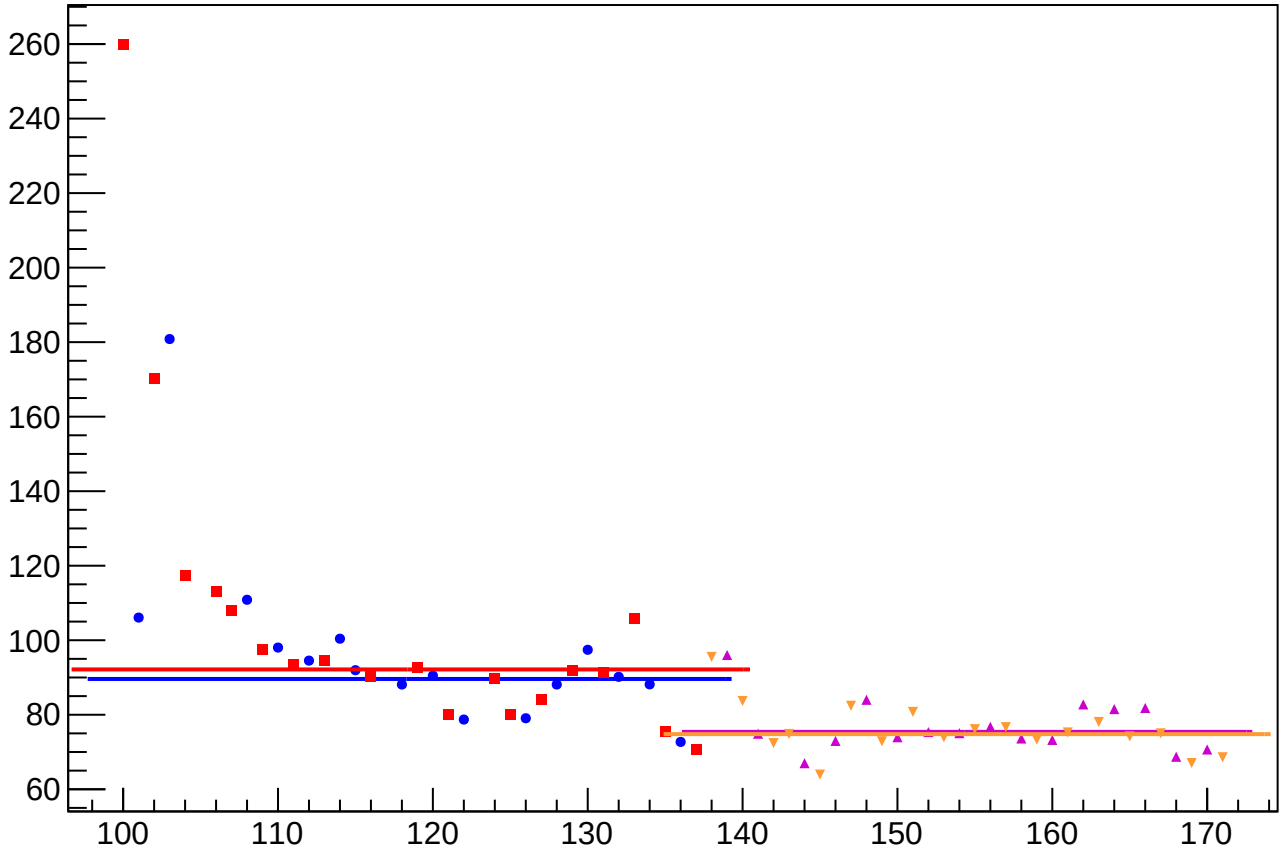
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 46.008+/-17.853 χ^2/NDF:42.9/31

Out: 36.859+/-17.339 χ^2/NDF:43.4/36

All: 41.300+/-12.438 χ^2/NDF: 86.5/68

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: 75.404+/-0.015 χ^2/NDF:178188.8/15

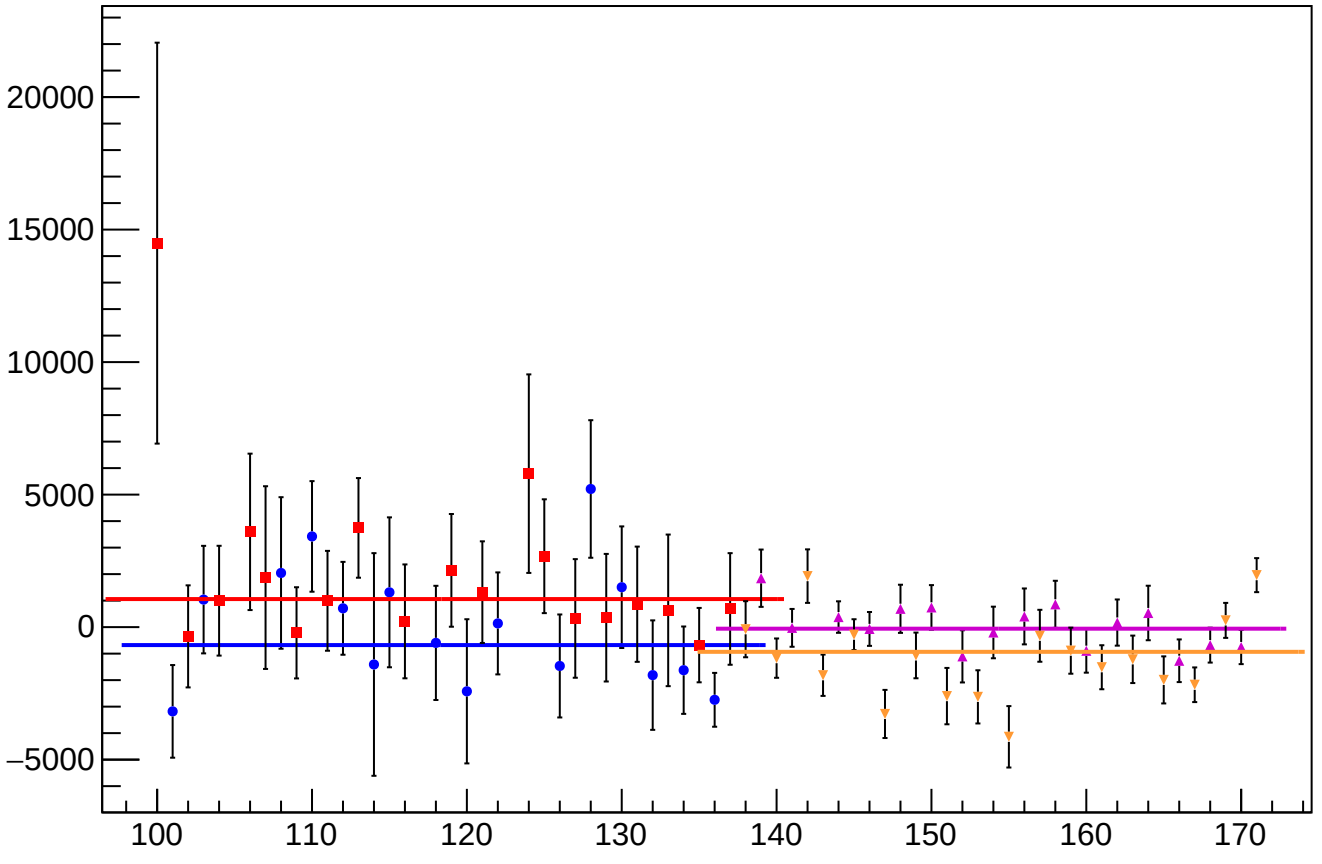
Left: 75.086+/-0.010 χ^2/NDF: 380545.4/33

Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 79.254+/-0.013 χ^2/NDF:926593.0/31

Out: 79.086+/-0.012 χ^2/NDF:1116736.9/36

All: 79.168+/-0.009 χ^2/NDF: 2043420.9/68



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: -58.931+/-200.205 χ^2/NDF:13.4/15

Left: -511.673+/-138.928 χ^2/NDF: 83.7/33

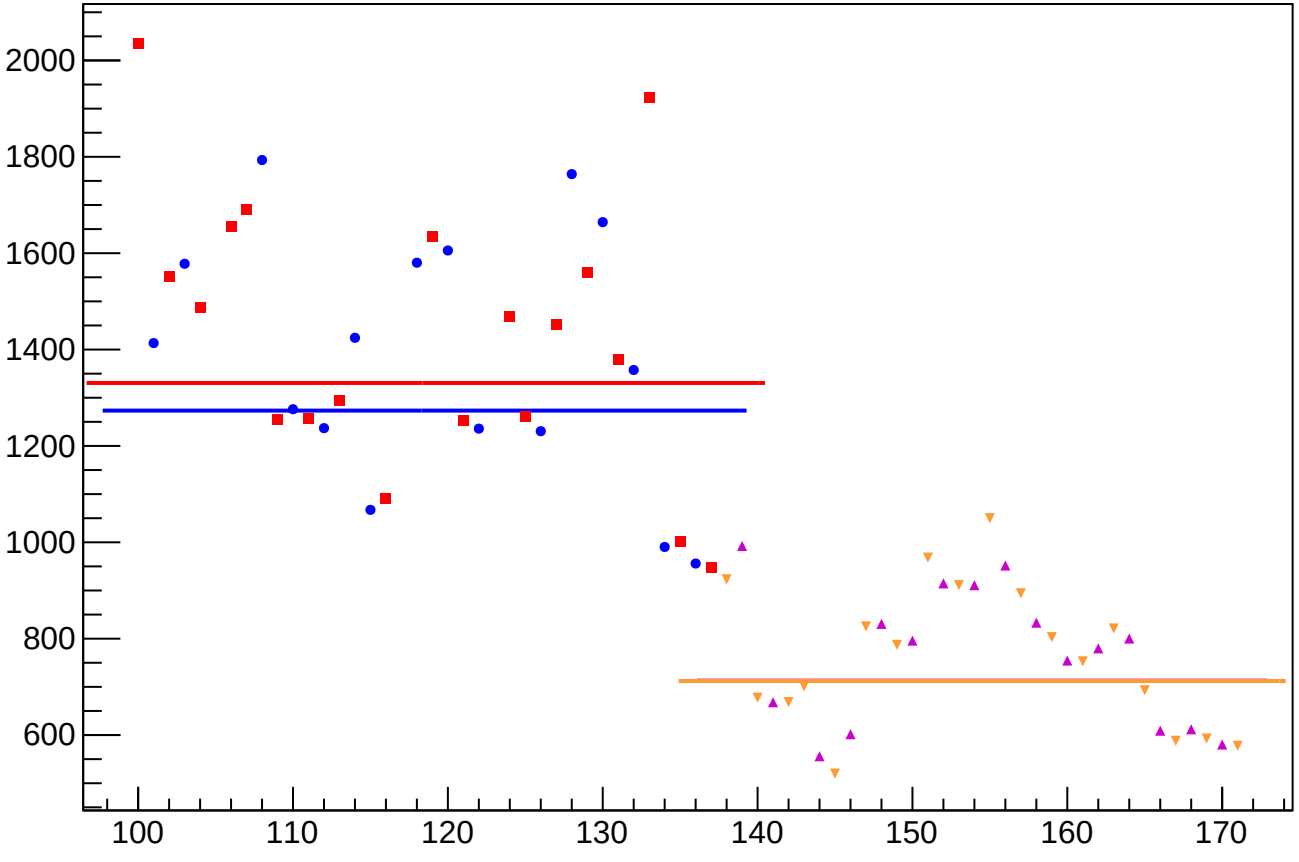
Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: -148.504+/-185.140 χ^2/NDF:35.0/31

Out: -670.815+/-179.834 χ^2/NDF:86.0/36

All: -417.252+/-128.997 χ^2/NDF: 125.1/68

asym_sam_2468_avg_reg_correction_rms vs Slug, Sign Corrected



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: 712.938+/-0.142 χ^2/NDF:896861.5/15

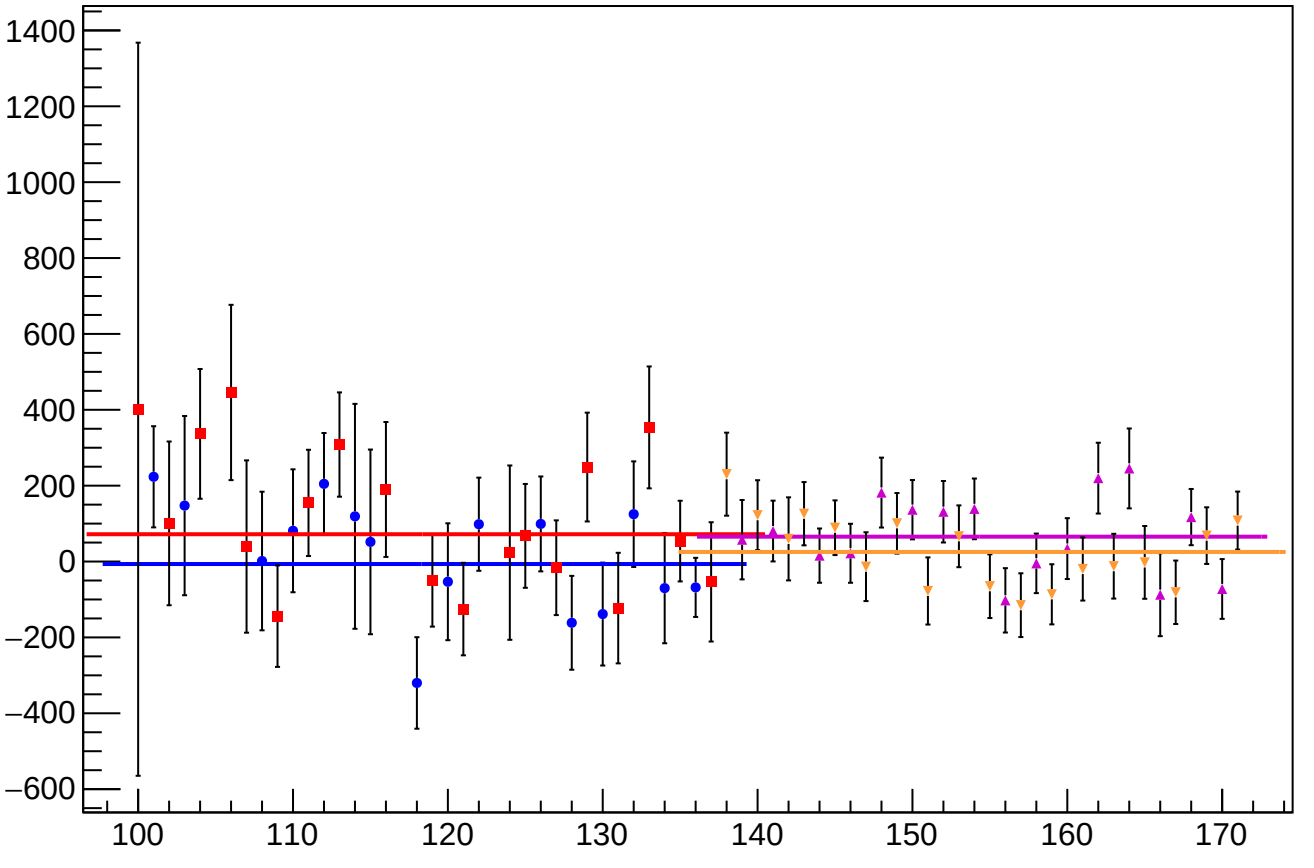
Left: 712.550+/-0.098 χ^2/NDF: 1965138.7/33

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

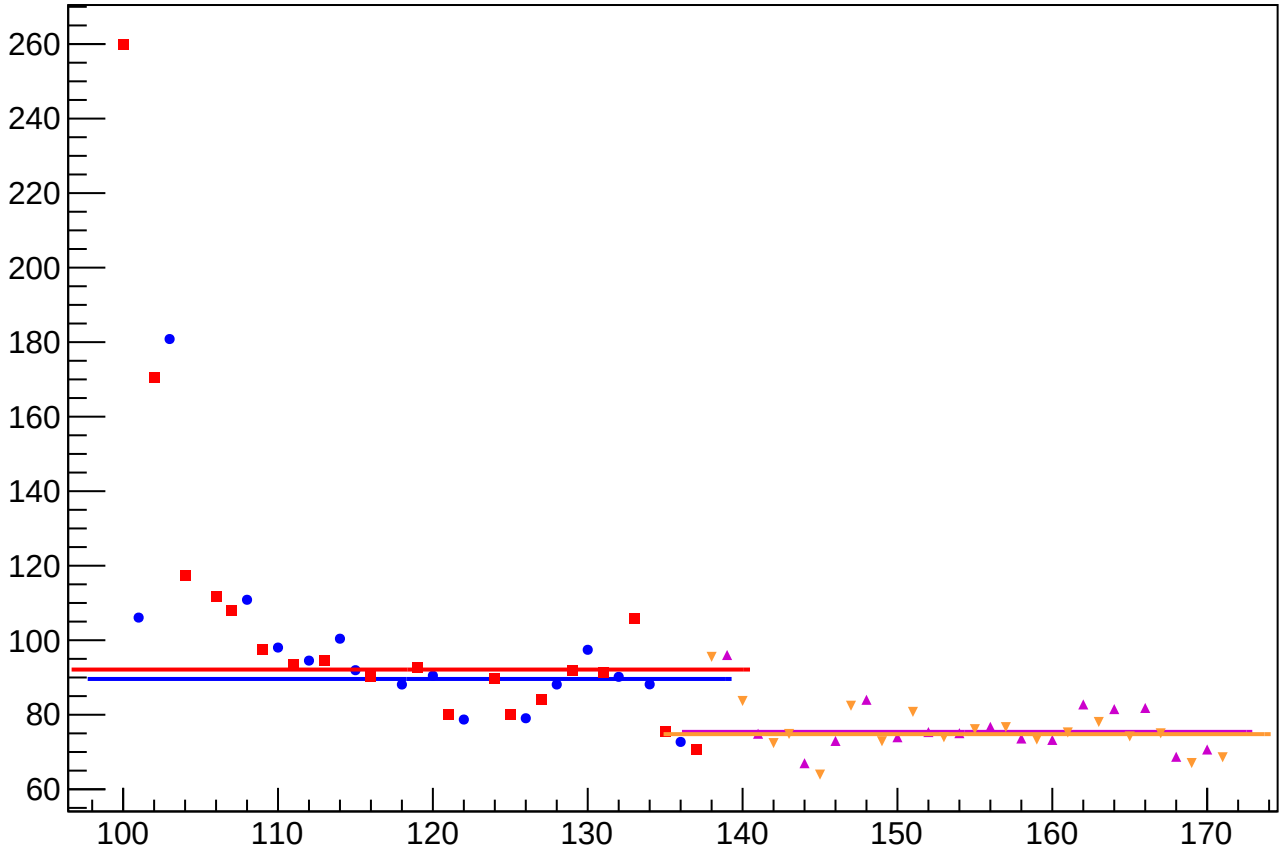
In: 794.101+/-0.131 χ^2/NDF:3763859.9/31

Out: 793.379+/-0.127 χ^2/NDF:4236764.3/36

All: 793.729+/-0.091 χ^2/NDF: 8000639.9/68


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: 65.560+/-20.911 χ²/NDF:20.8/15
Left: 44.511+/-14.447 χ²/NDF: 42.0/33
Right: 32.026+/-24.453 χ²/NDF: 44.3/34
In: 46.004+/-17.853 χ²/NDF:42.9/31
Out: 36.825+/-17.340 χ²/NDF:43.4/36
All: 41.280+/-12.438 χ²/NDF: 86.4/68

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.796+/-0.014 χ^2/NDF:201470.5/17

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 75.404+/-0.015 χ^2/NDF:178188.8/15

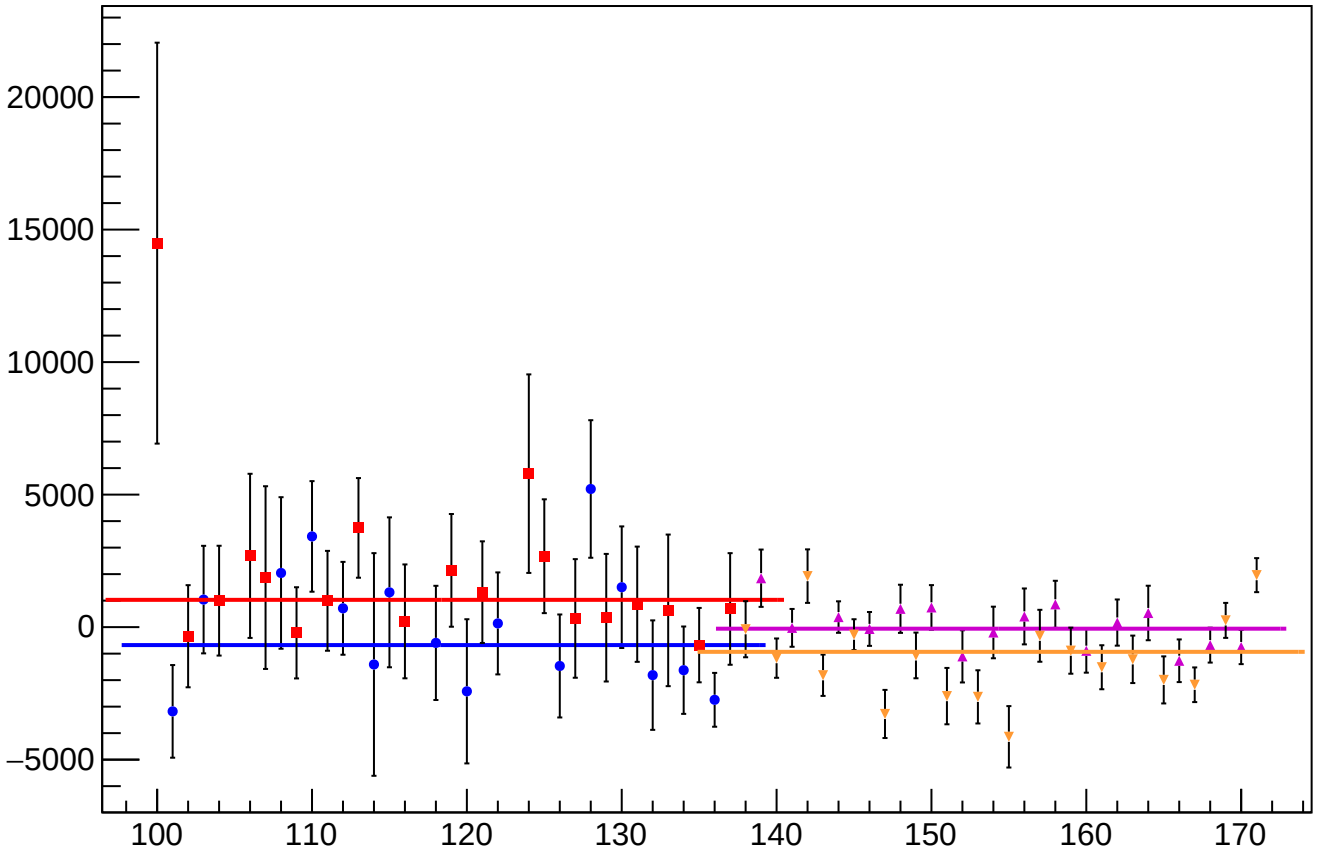
Left: 75.086+/-0.010 χ^2/NDF: 380545.4/33

Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.254+/-0.013 χ^2/NDF:926596.5/31

Out: 79.078+/-0.012 χ^2/NDF:1113574.9/36

All: 79.163+/-0.009 χ^2/NDF: 2040271.7/68



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: -58.929+/-200.205 χ^2/NDF:13.4/15

Left: -511.669+/-138.928 χ^2/NDF: 83.7/33

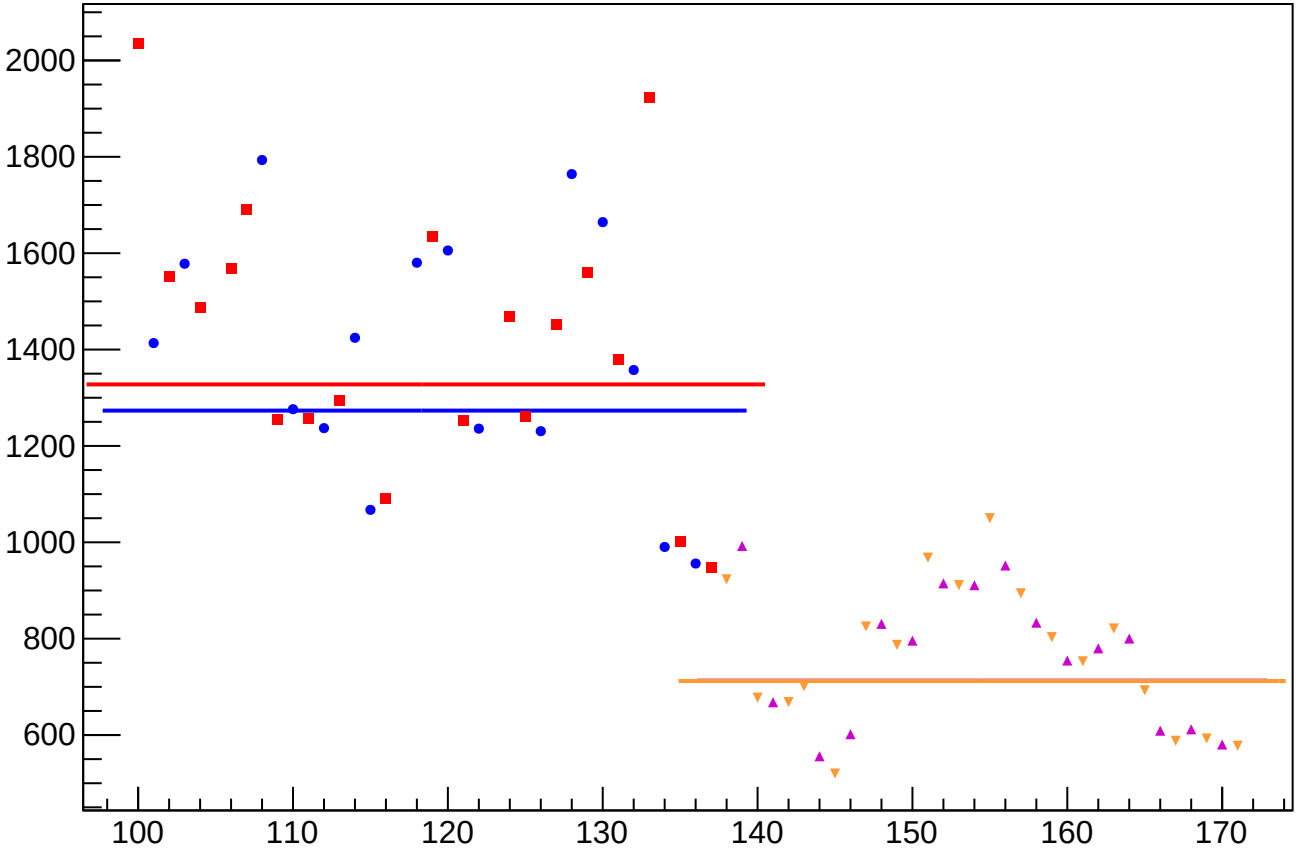
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -148.496+/-185.140 χ^2/NDF:35.0/31

Out: -675.266+/-179.865 χ^2/NDF:85.0/36

All: -419.492+/-129.008 χ^2/NDF: 124.2/68

asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068266.7/17

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 712.938+/-0.142 χ^2/NDF:896858.8/15

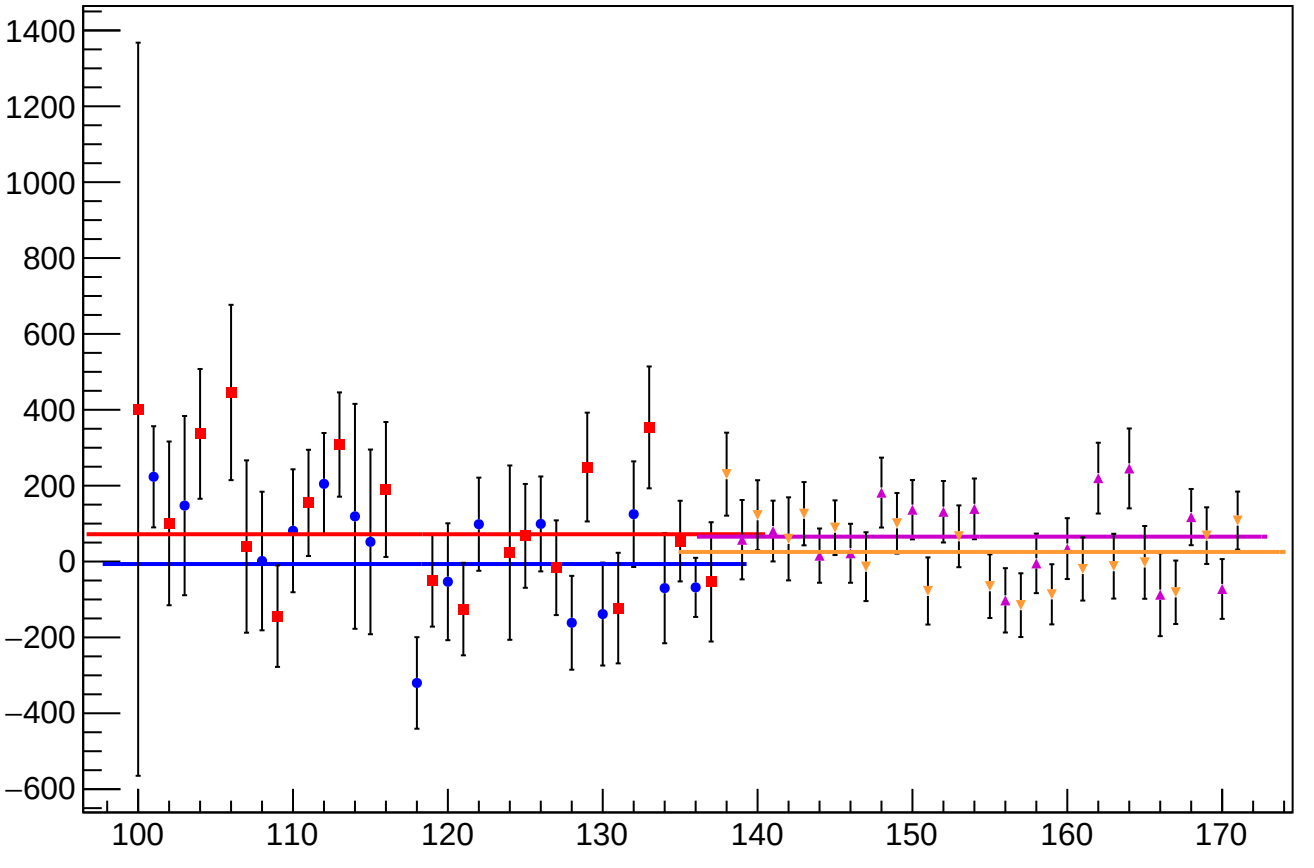
Left: 712.550+/-0.098 χ^2/NDF: 1965140.1/33

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 794.101+/-0.131 χ^2/NDF:3763895.1/31

Out: 792.793+/-0.127 χ^2/NDF:4192014.1/36

All: 793.428+/-0.091 χ^2/NDF: 7955960.6/68



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: 65.560+/-20.911 χ^2/NDF:20.8/15

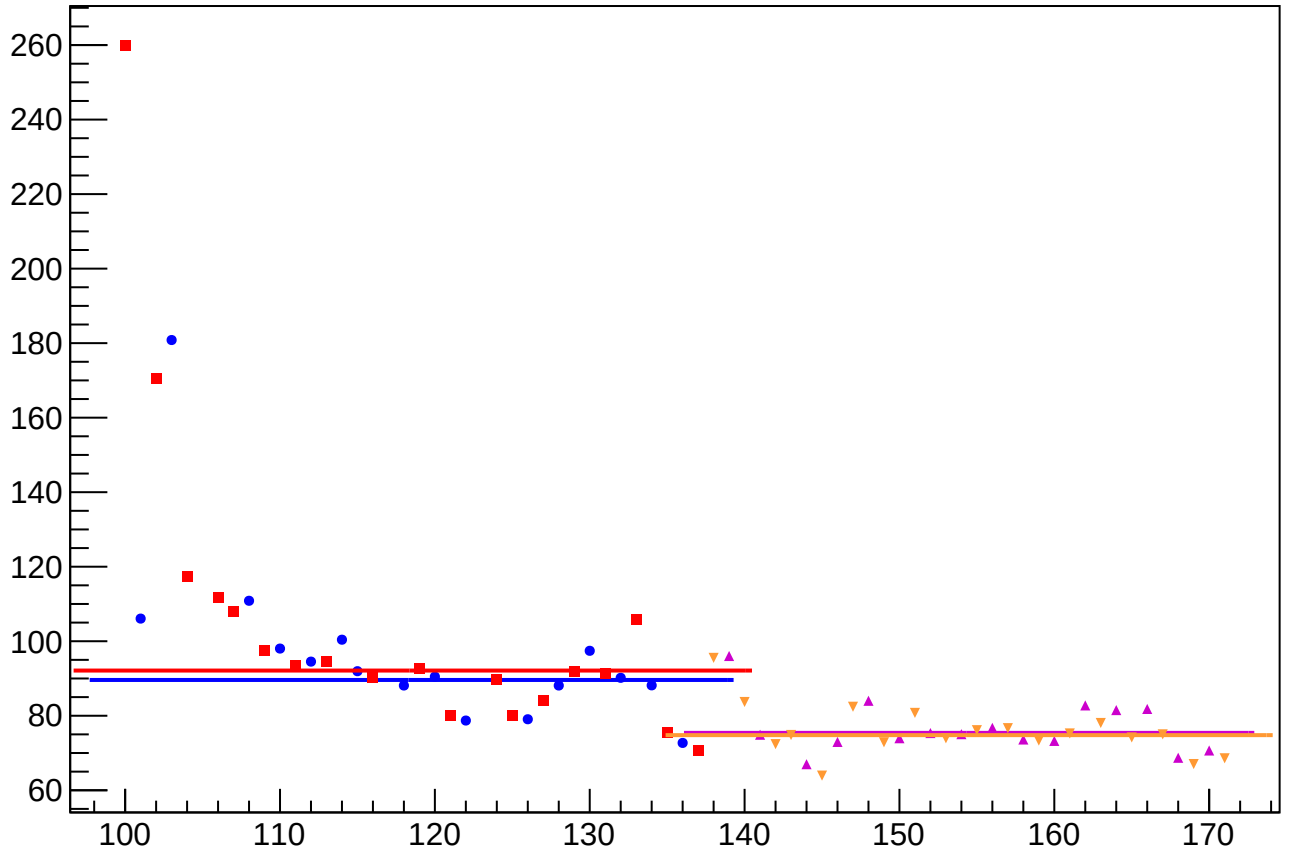
Left: 44.511+/-14.447 χ^2/NDF: 42.0/33

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 46.004+/-17.853 χ^2/NDF:42.9/31

Out: 36.825+/-17.340 χ^2/NDF:43.4/36

All: 41.280+/-12.438 χ^2/NDF: 86.4/68



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: 75.404+/-0.015 χ^2/NDF:178188.8/15

Left: 75.086+/-0.010 χ^2/NDF: 380545.4/33

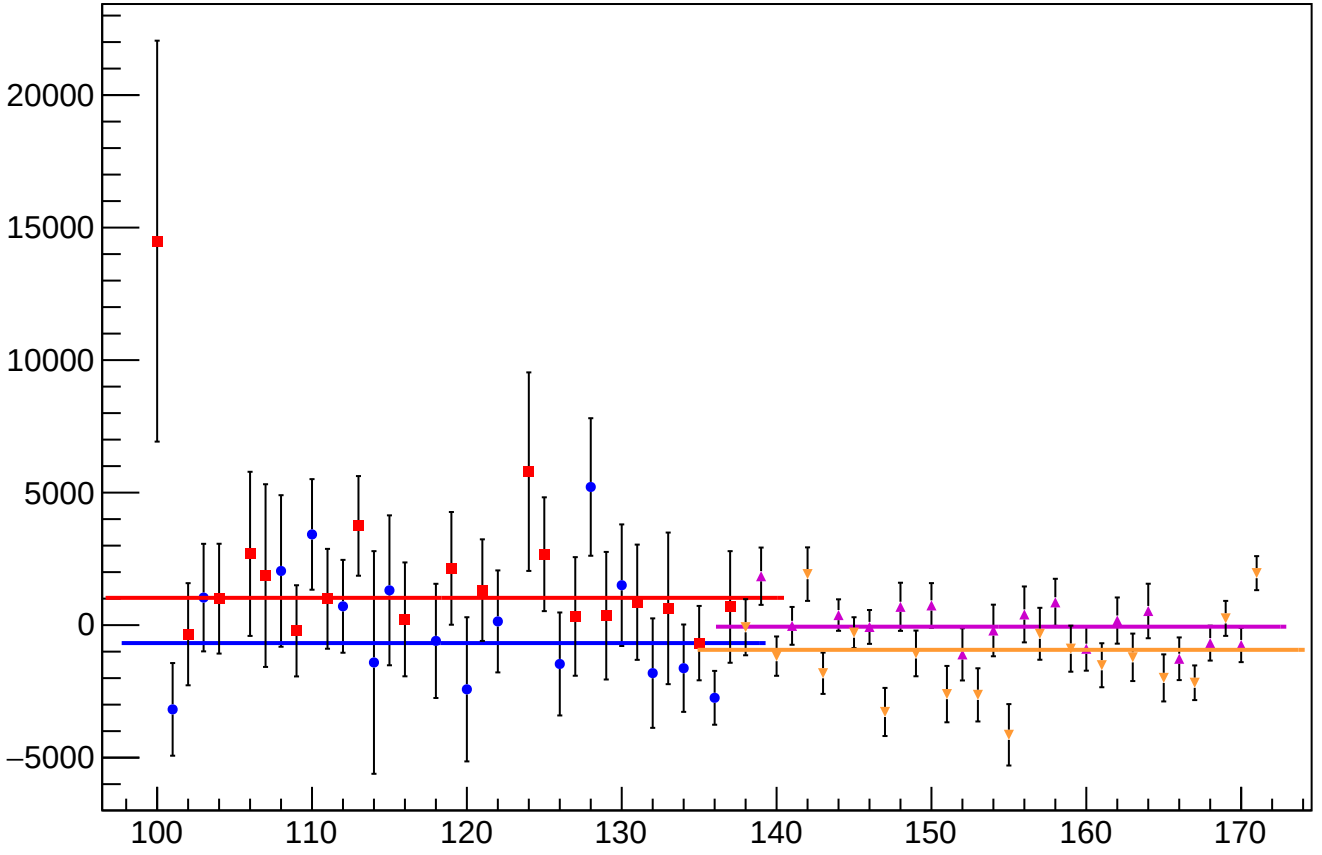
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 79.254+/-0.013 χ^2/NDF:926596.5/31

Out: 79.078+/-0.012 χ^2/NDF:1113574.9/36

All: 79.163+/-0.009 χ^2/NDF: 2040271.7/68

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: -58.929+/-200.205 χ^2/NDF:13.4/15

Left: -511.669+/-138.928 χ^2/NDF: 83.7/33

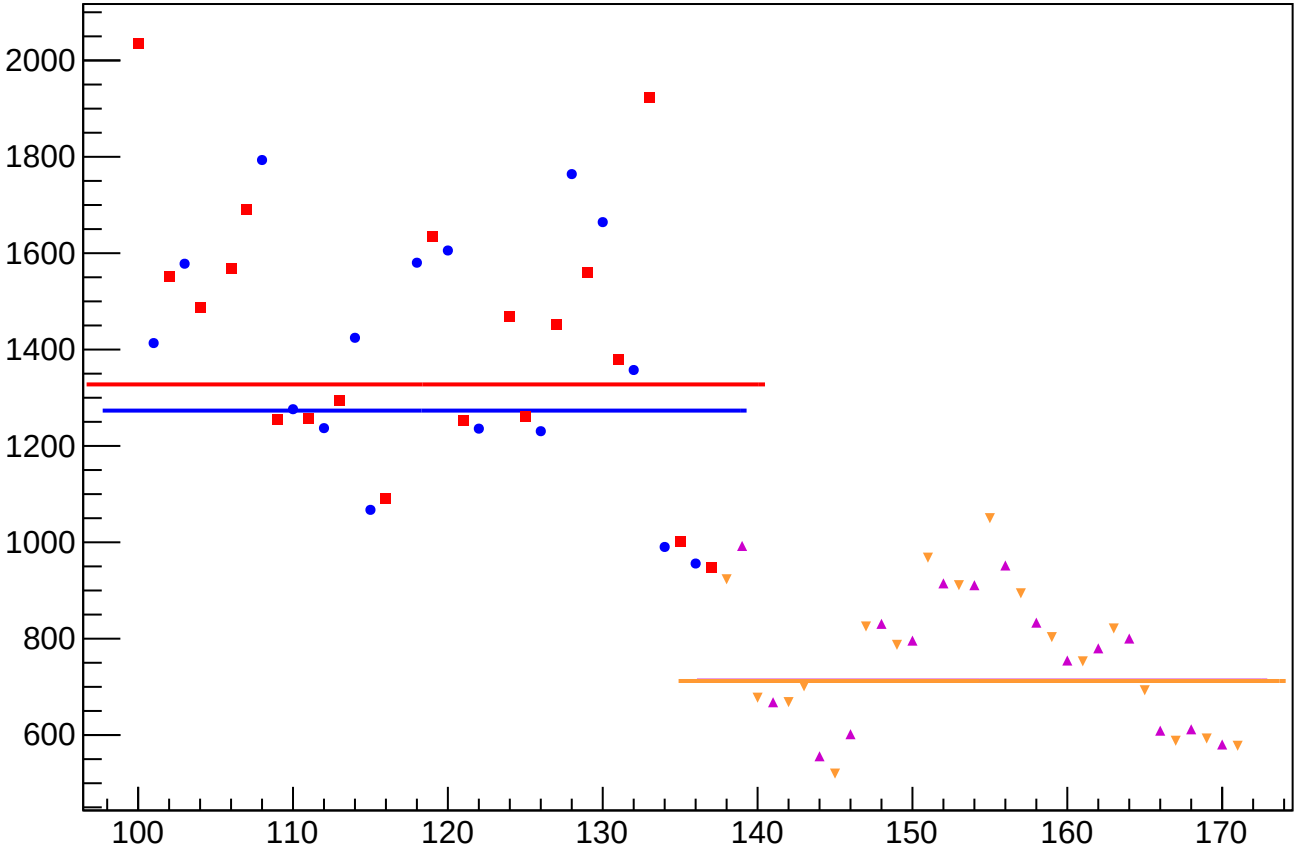
Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: -148.496+/-185.140 χ^2/NDF:35.0/31

Out: -675.266+/-179.865 χ^2/NDF:85.0/36

All: -419.492+/-129.008 χ^2/NDF: 124.2/68

asym_sam_2468_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 712.189+/-0.136 χ^2/NDF:1068266.7/17

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 712.938+/-0.142 χ^2/NDF:896858.8/15

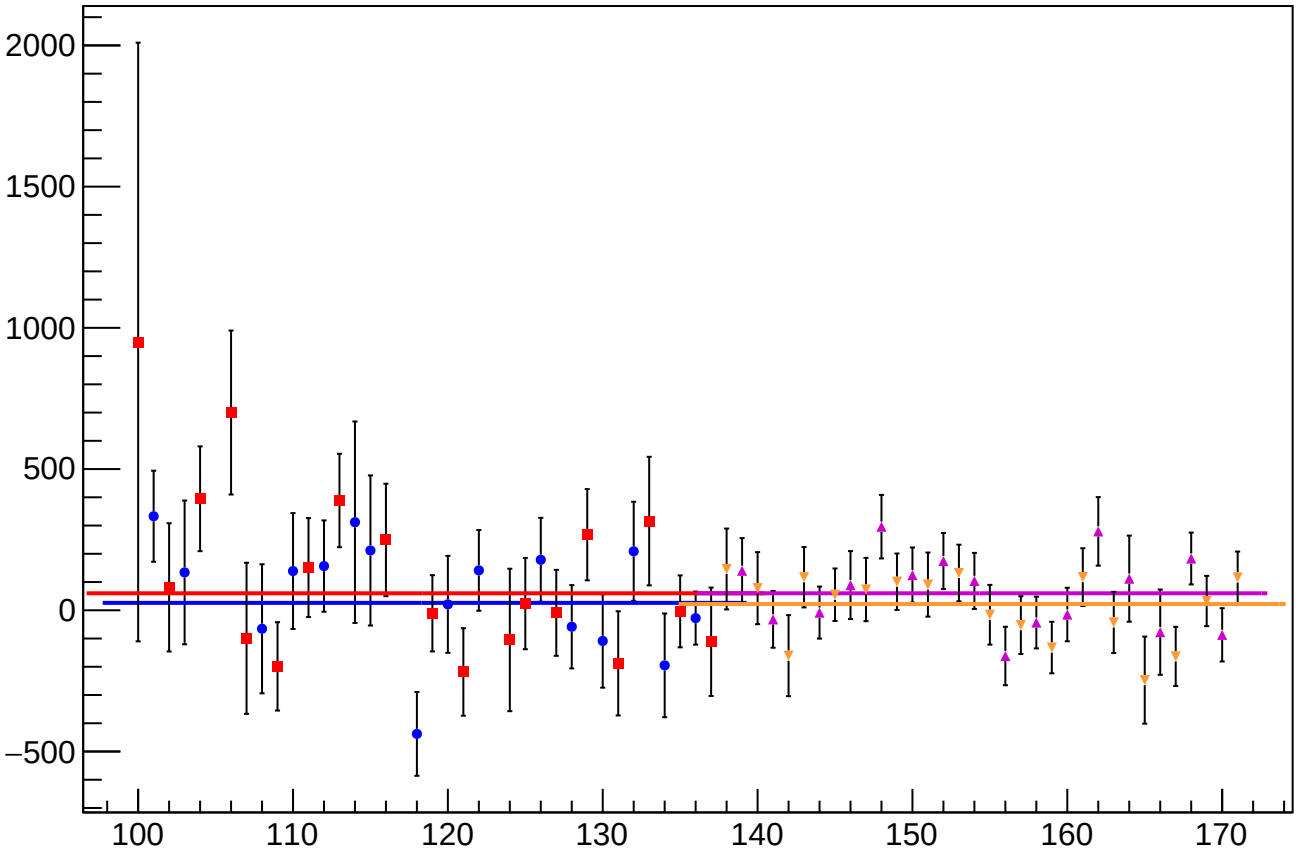
Left: 712.550+/-0.098 χ^2/NDF: 1965140.1/33

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 794.101+/-0.131 χ^2/NDF:3763895.1/31

Out: 792.793+/-0.127 χ^2/NDF:4192014.1/36

All: 793.428+/-0.091 χ^2/NDF: 7955960.6/68



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: 60.105+/-26.188 χ^2/NDF:23.3/15

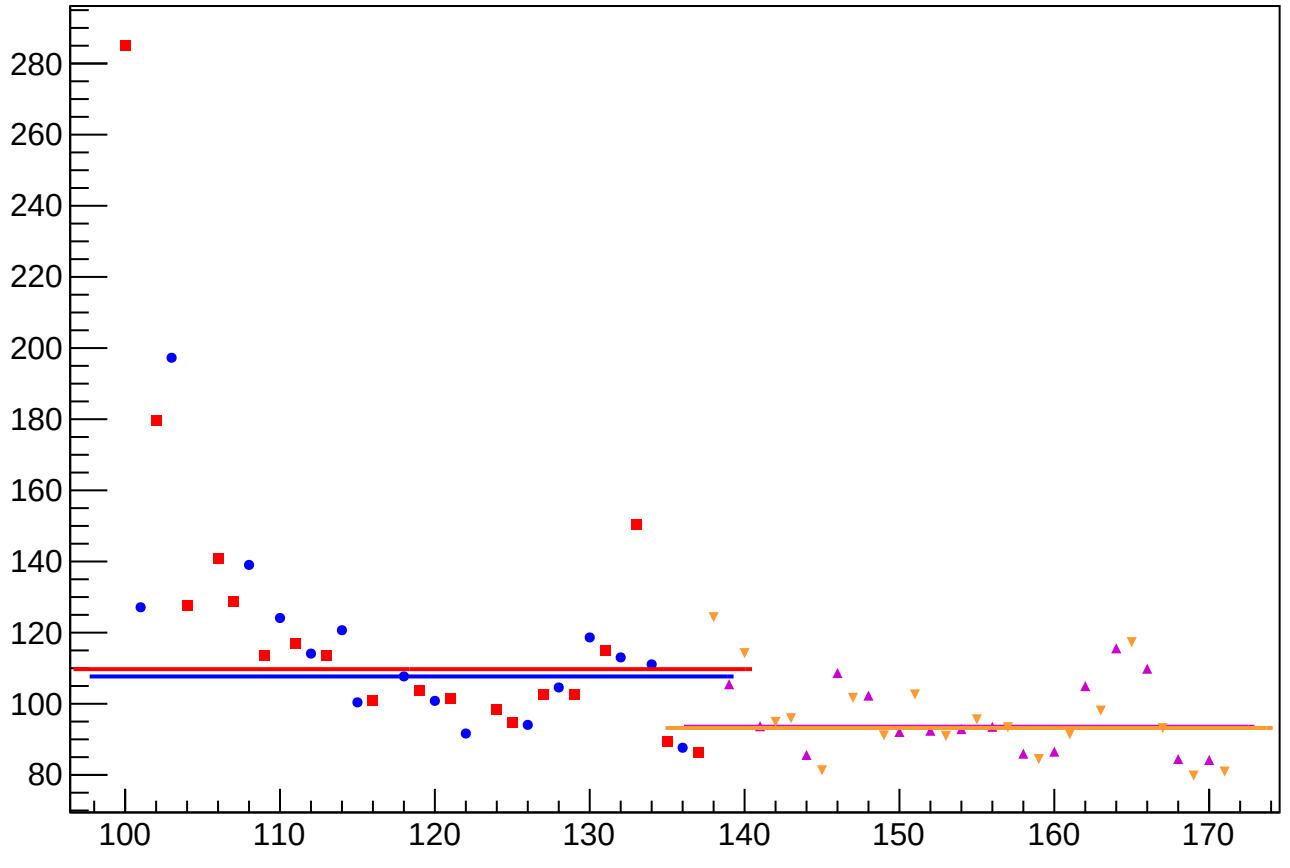
Left: 40.292+/-18.129 χ^2/NDF: 42.3/33

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 50.370+/-22.104 χ^2/NDF:45.1/31

Out: 32.255+/-21.495 χ^2/NDF:45.5/36

All: 41.059+/-15.410 χ^2/NDF: 91.0/68



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: 93.552+/-0.019 χ^2/NDF:227187.6/15

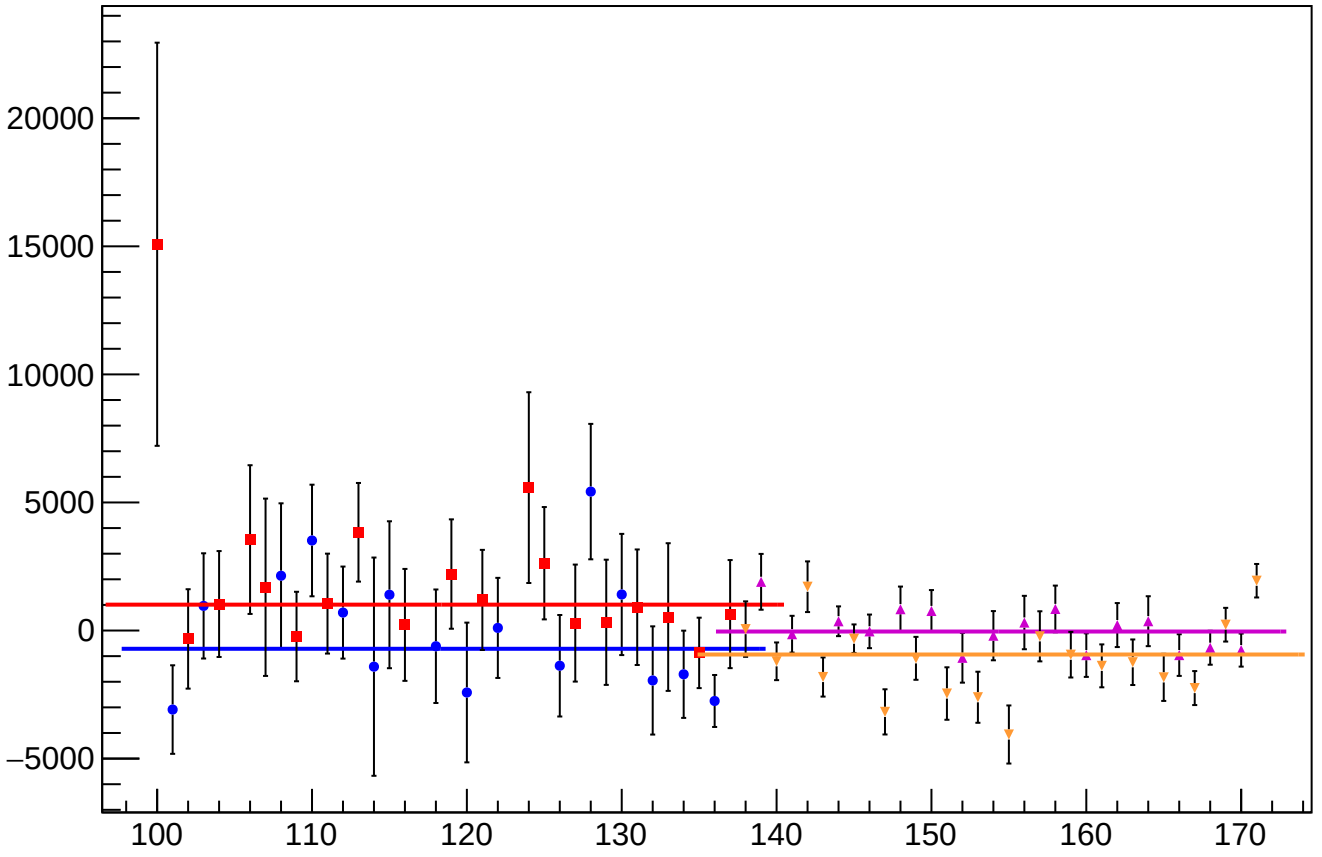
Left: 93.373+/-0.013 χ^2/NDF: 591899.7/33

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 97.615+/-0.016 χ^2/NDF:877696.1/31

Out: 97.637+/-0.015 χ^2/NDF:1088345.1/36

All: 97.626+/-0.011 χ^2/NDF: 1966042.2/68



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: -38.965+/-199.562 χ^2/NDF:12.7/15

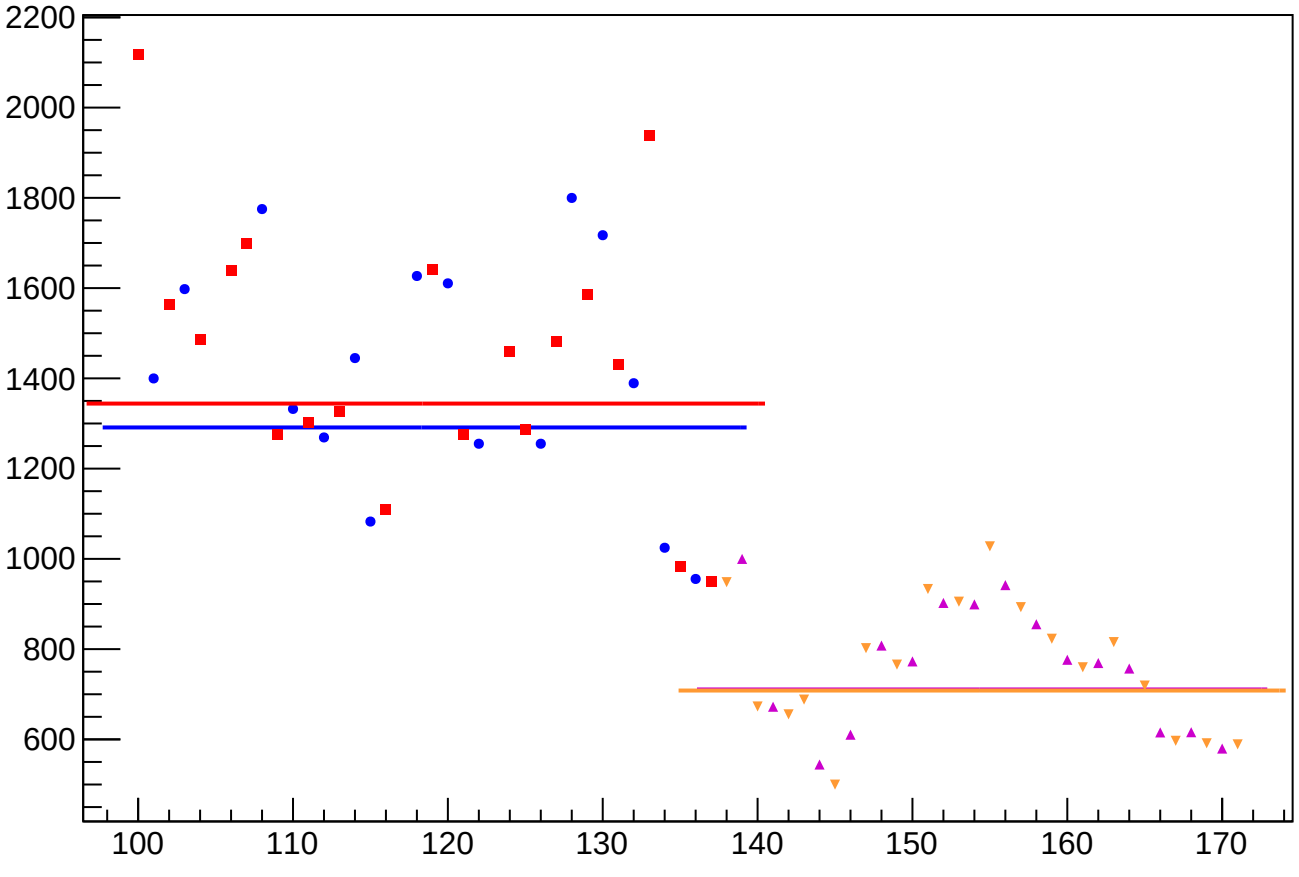
Left: -505.418+/-138.259 χ^2/NDF: 81.2/33

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: -133.760+/-184.995 χ^2/NDF:34.4/31

Out: -687.635+/-179.081 χ^2/NDF:82.9/36

All: -419.692+/-128.669 χ^2/NDF: 122.0/68



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: 710.683+/-0.141 χ^2/NDF:873446.8/15

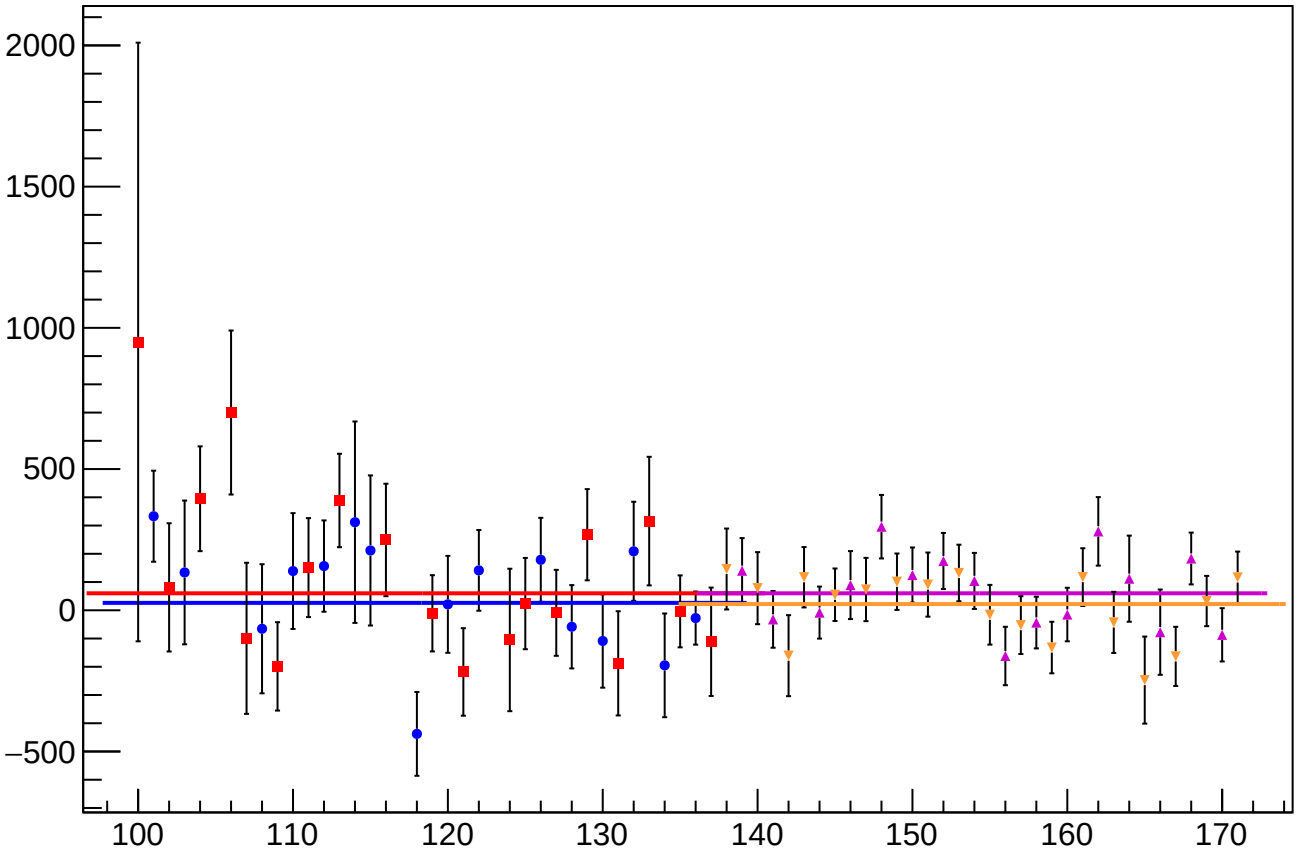
Left: 709.421+/-0.098 χ^2/NDF: 1957055.8/33

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 792.343+/-0.131 χ^2/NDF:3865120.6/31

Out: 789.377+/-0.127 χ^2/NDF:4380886.4/36

All: 790.812+/-0.091 χ^2/NDF: 8246272.5/68



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: 60.104+/-26.188 χ^2/NDF:23.3/15

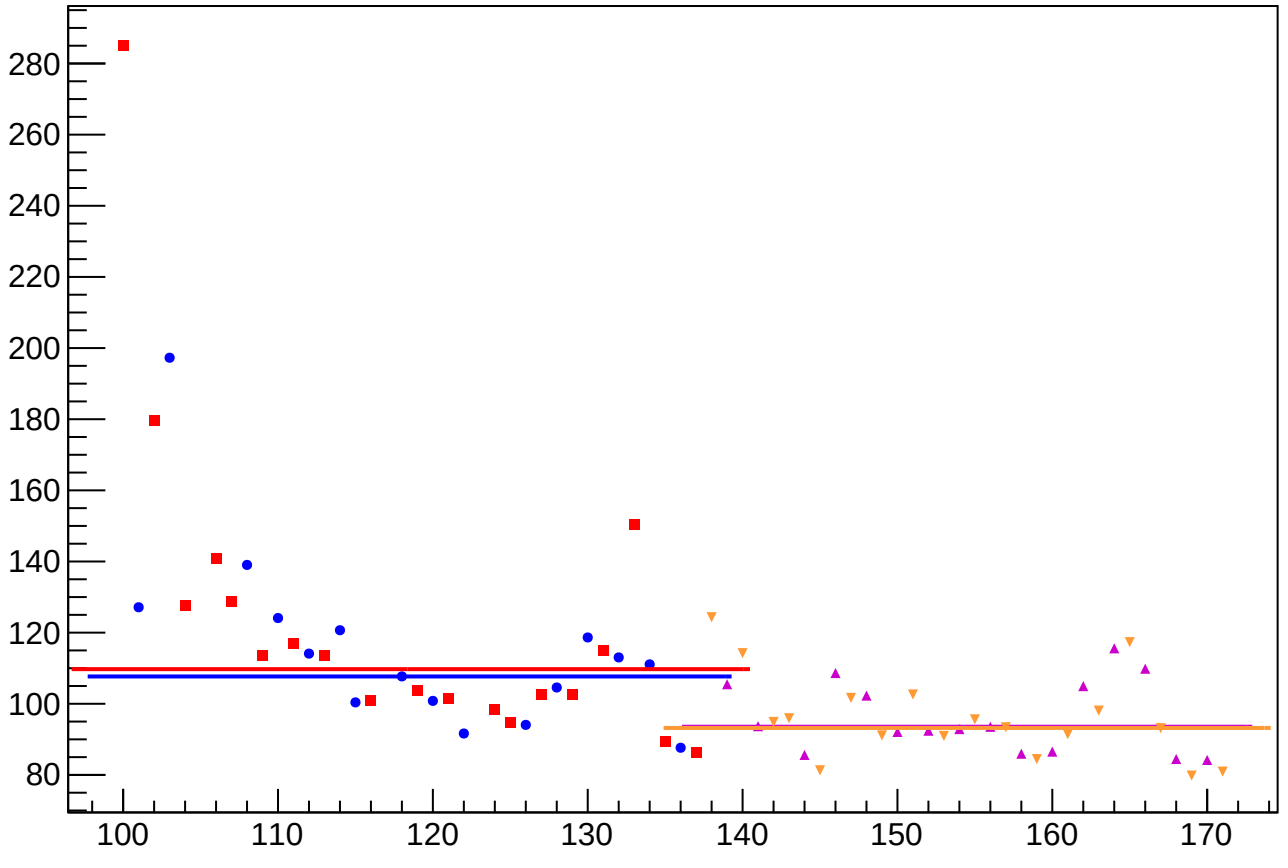
Left: 40.291+/-18.129 χ^2/NDF: 42.3/33

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

In: 50.369+/-22.104 χ^2/NDF:45.1/31

Out: 32.255+/-21.495 χ^2/NDF:45.5/36

All: 41.059+/-15.410 χ^2/NDF: 91.0/68



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: 93.552+/-0.019 χ^2/NDF:227189.9/15

Left: 93.373+/-0.013 χ^2/NDF: 591894.1/33

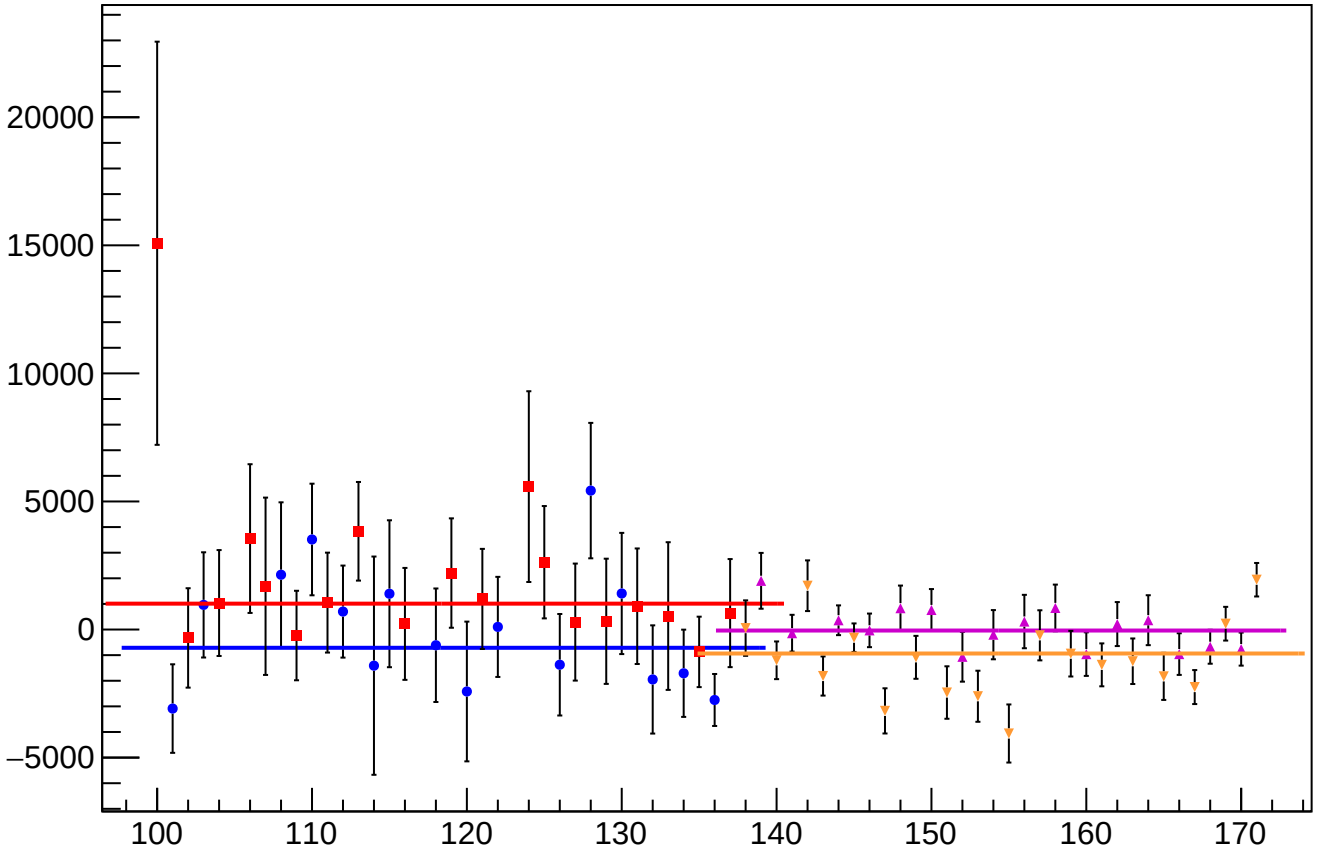
Right: 108.701+/-0.021 χ^2/NDF: 977375.0/34

In: 97.615+/-0.016 χ^2/NDF:877660.8/31

Out: 97.637+/-0.015 χ^2/NDF:1088308.9/36

All: 97.626+/-0.011 χ^2/NDF: 1965970.8/68

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: -38.966+/-199.561 χ^2/NDF:12.7/15

Left: -505.418+/-138.258 χ^2/NDF: 81.2/33

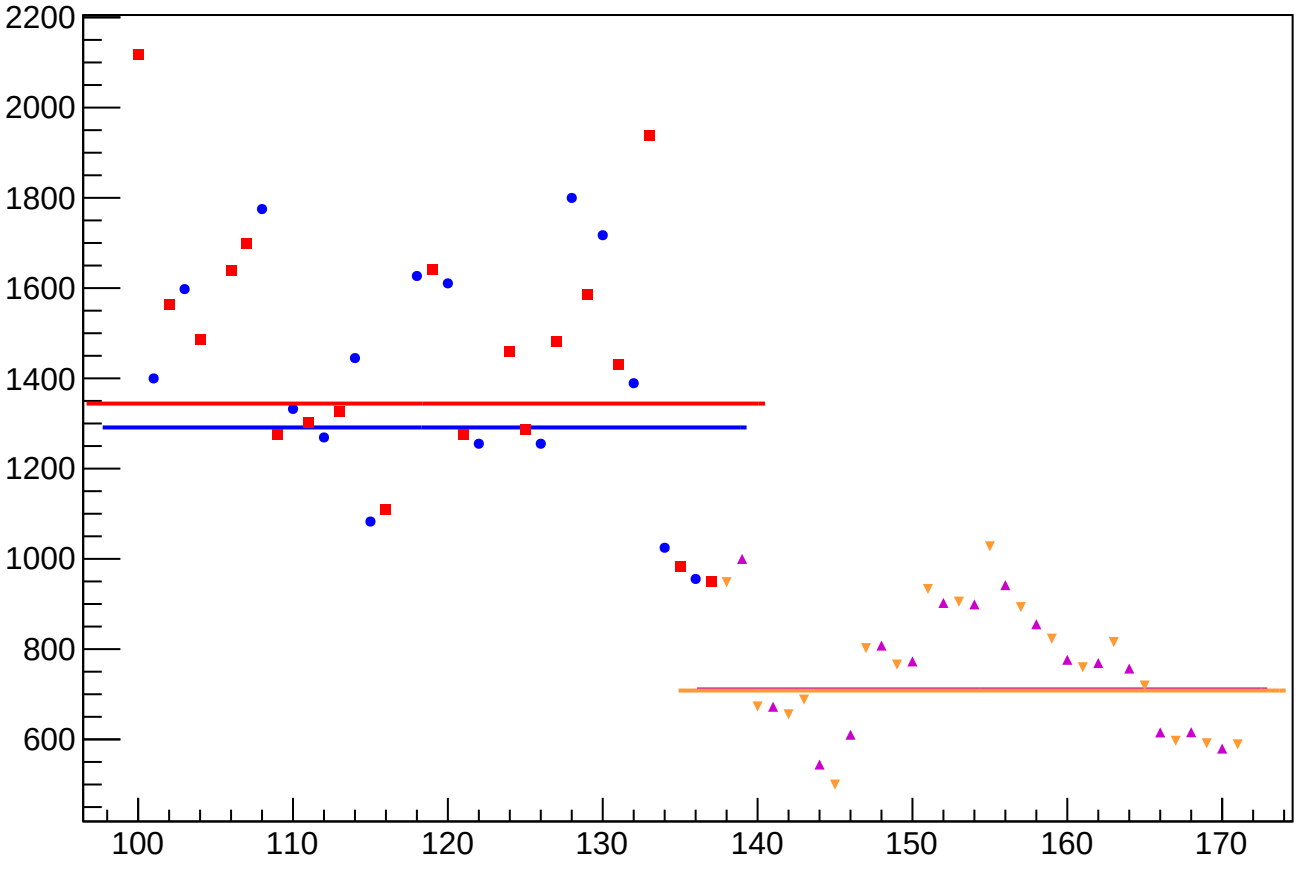
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: -133.761+/-184.994 χ^2/NDF:34.4/31

Out: -687.633+/-179.080 χ^2/NDF:82.9/36

All: -419.692+/-128.669 χ^2/NDF: 122.0/68

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: 710.681+/-0.141 χ^2/NDF:873452.0/15

Left: 709.419+/-0.098 χ^2/NDF: 1957073.0/33

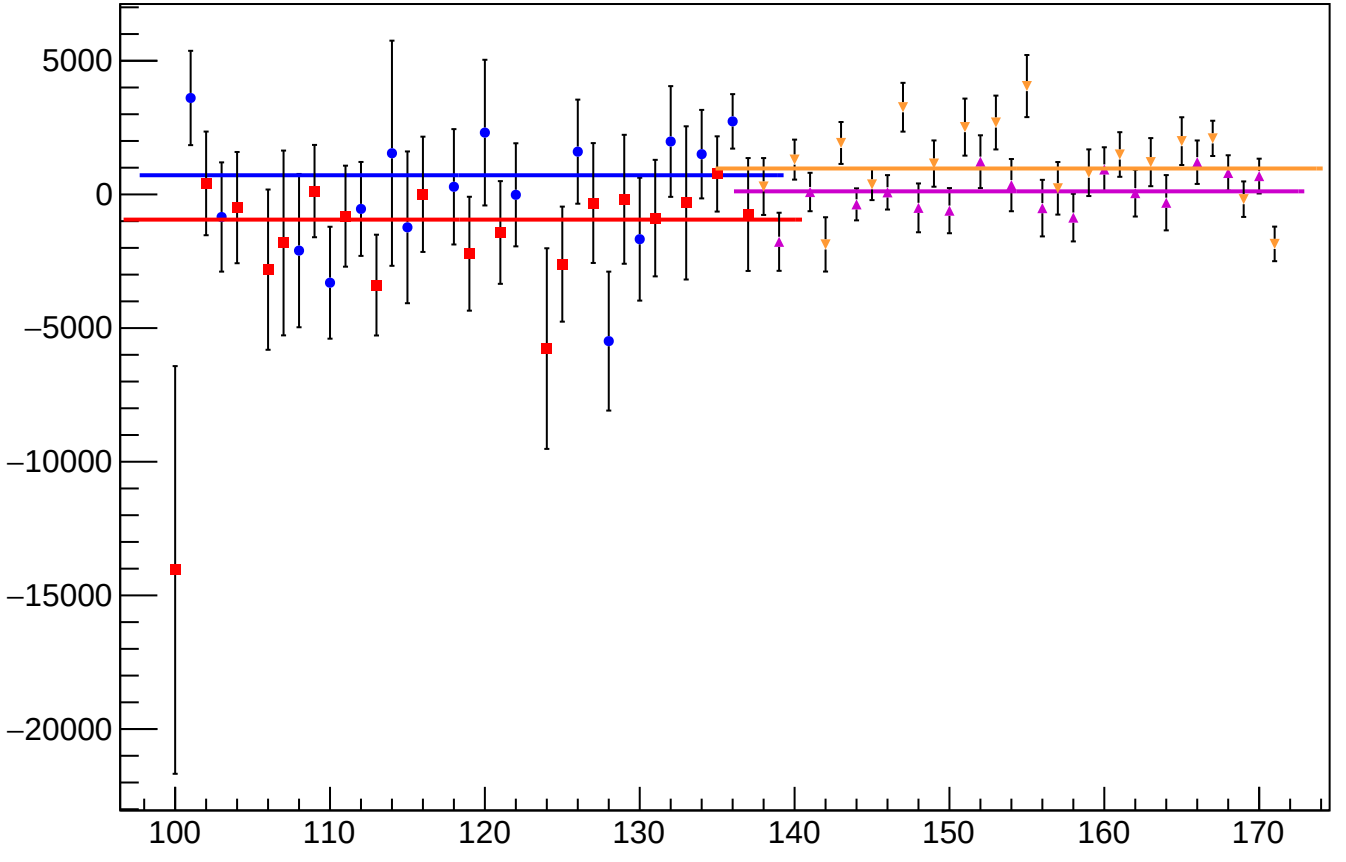
Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 792.342+/-0.131 χ^2/NDF:3865123.5/31

Out: 789.375+/-0.127 χ^2/NDF:4380898.7/36

All: 790.810+/-0.091 χ^2/NDF: 8246287.7/68

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: 115.352+/-201.439 χ^2/NDF:12.5/15

Left: 558.651+/-139.773 χ^2/NDF: 78.5/33

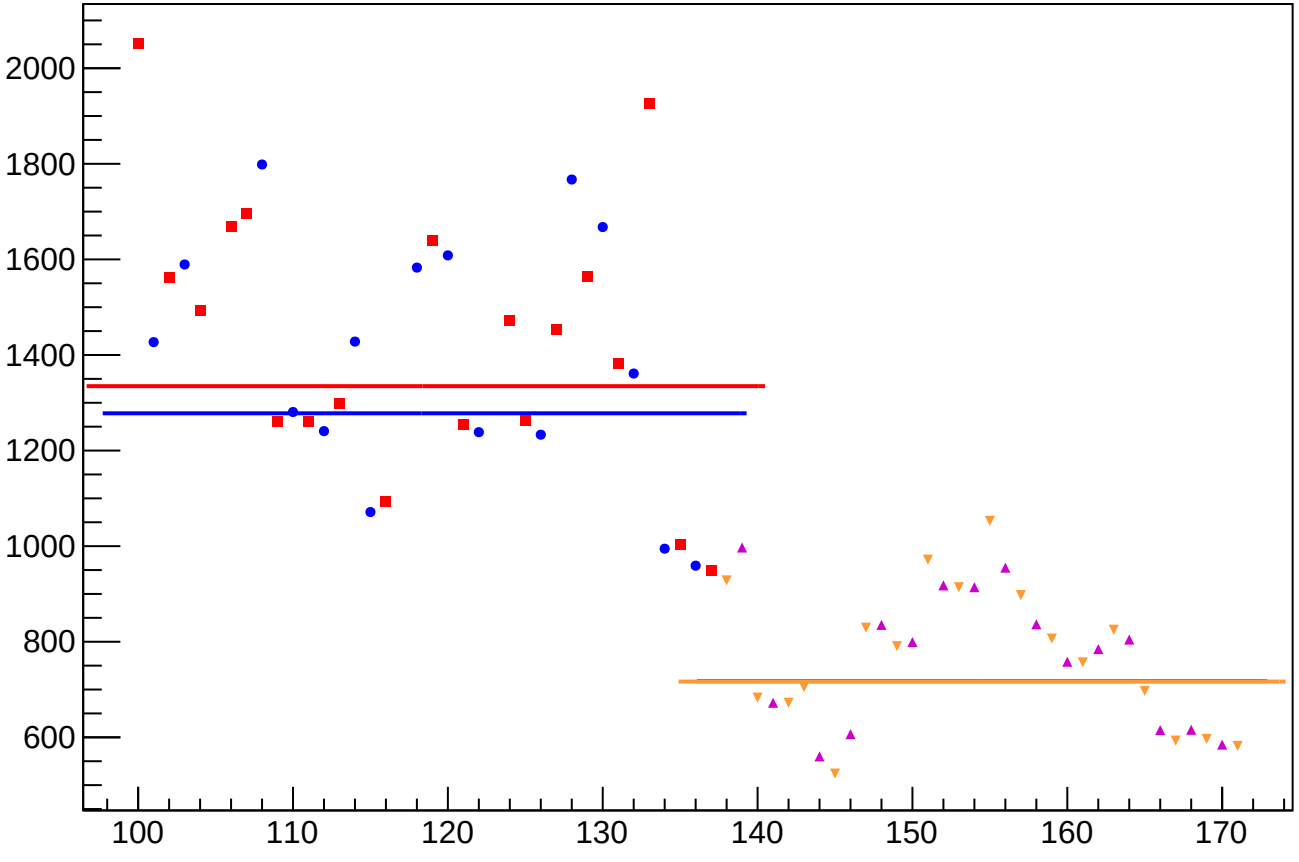
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 202.959+/-186.212 χ^2/NDF:34.8/31

Out: 718.064+/-180.854 χ^2/NDF:80.1/36

All: 468.030+/-129.736 χ^2/NDF: 118.8/68

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: 717.546+/-0.142 χ^2/NDF:882339.4/15

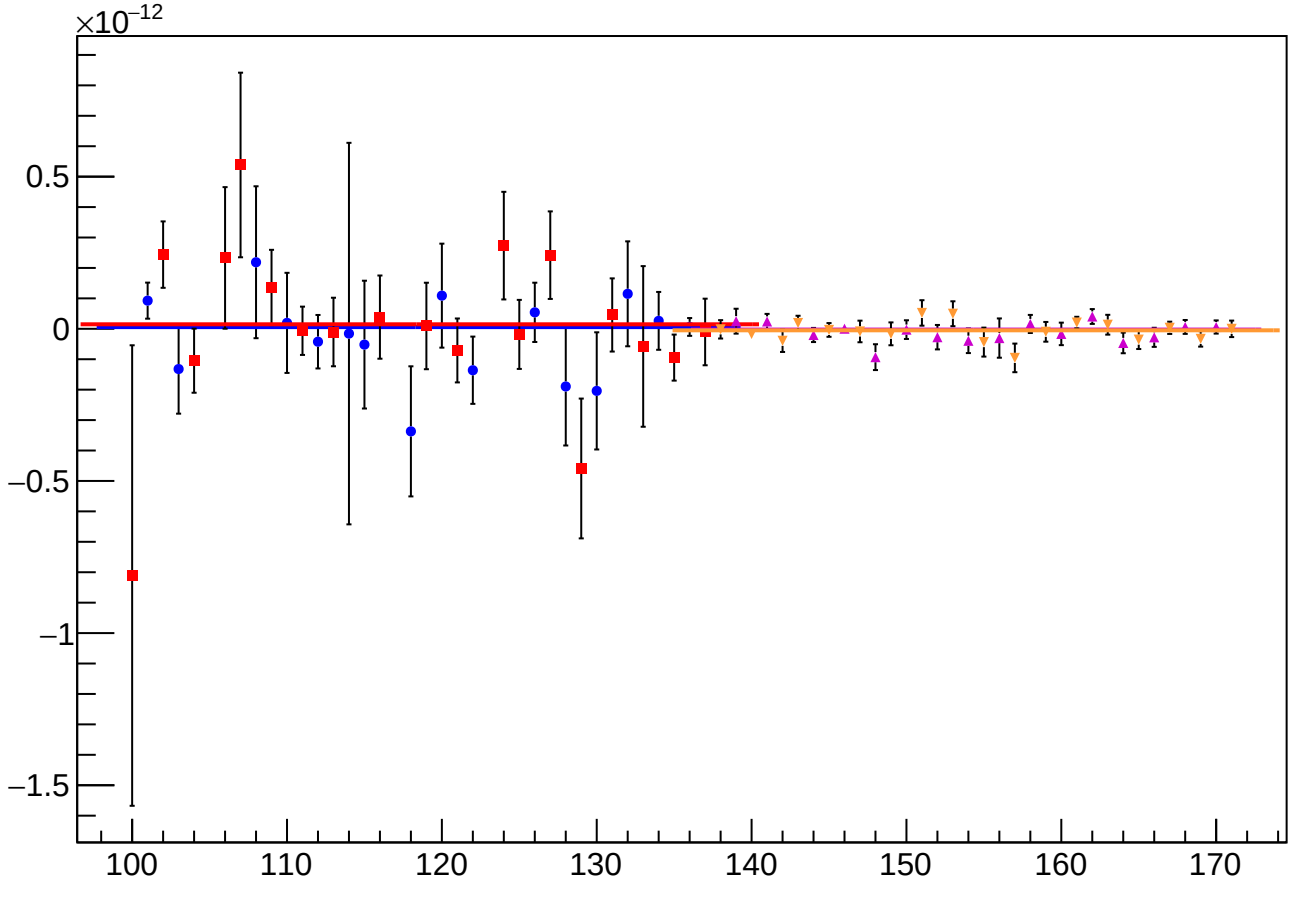
Left: 717.100+/-0.099 χ^2/NDF: 1934786.7/33

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 799.068+/-0.132 χ^2/NDF:3731876.3/31

Out: 798.186+/-0.128 χ^2/NDF:4198405.3/36

All: 798.614+/-0.092 χ^2/NDF: 7930304.7/68



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:14.5/15

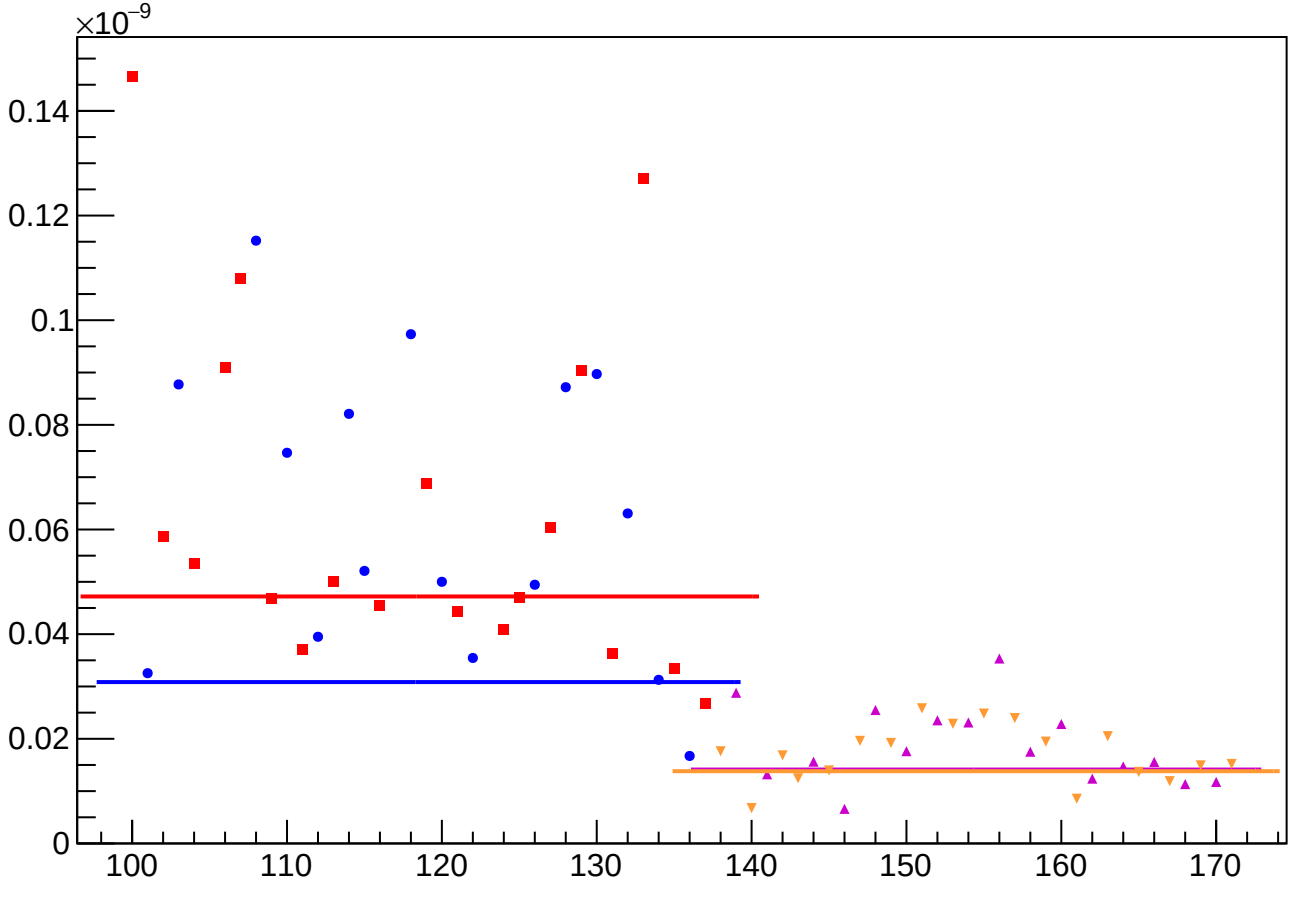
Left: -0.000+/-0.000 χ^2/NDF: 29.7/33

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:26.2/31

Out: -0.000+/-0.000 χ^2/NDF:39.4/36

All: -0.000+/-0.000 χ^2/NDF: 65.7/68



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1364173.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1602669.8/15

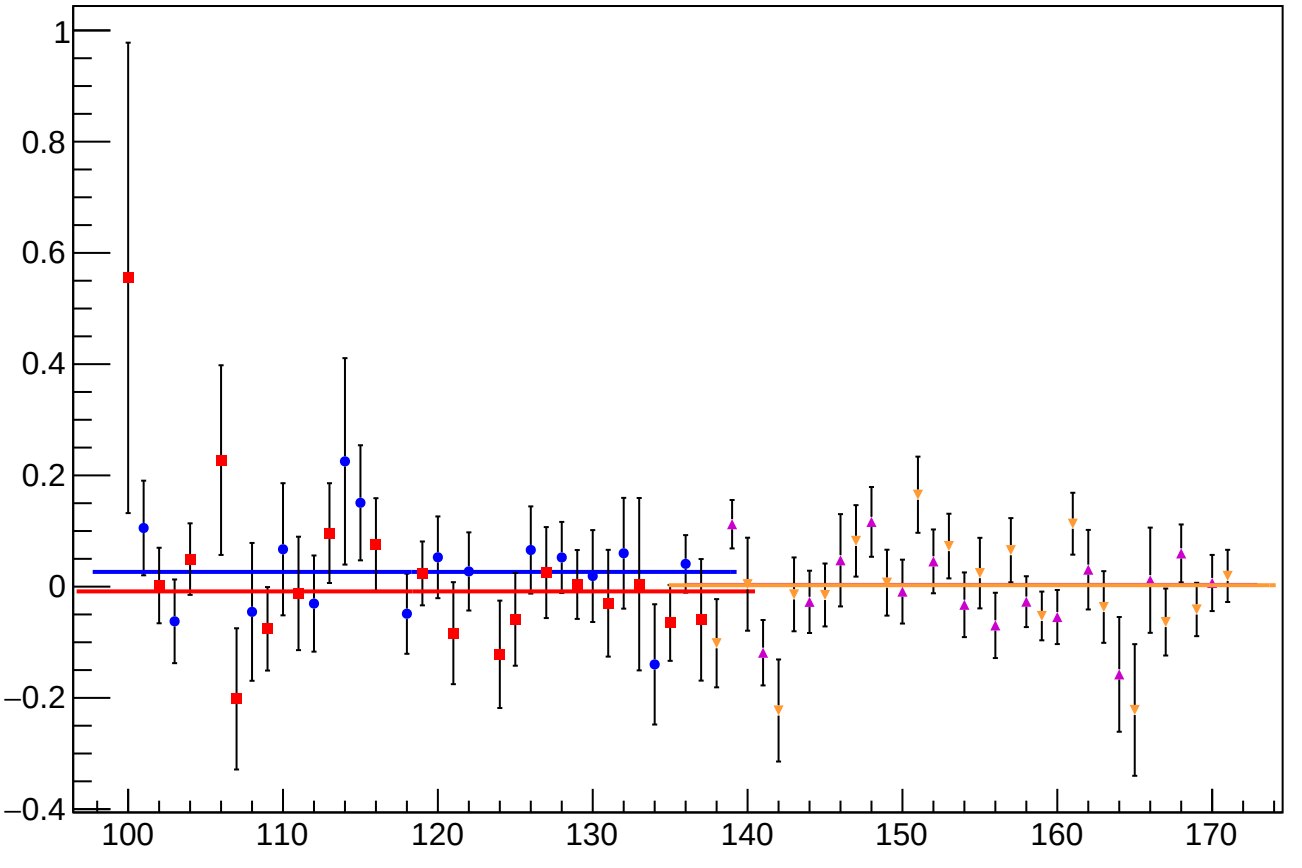
Left: 0.000+/-0.000 χ^2/NDF: 2969136.7/33

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4606995.2/31

Out: 0.000+/-0.000 χ^2/NDF:4679428.5/36

All: 0.000+/-0.000 χ^2/NDF: 9288063.1/68



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: 0.003+/-0.014 χ^2/NDF:22.5/15

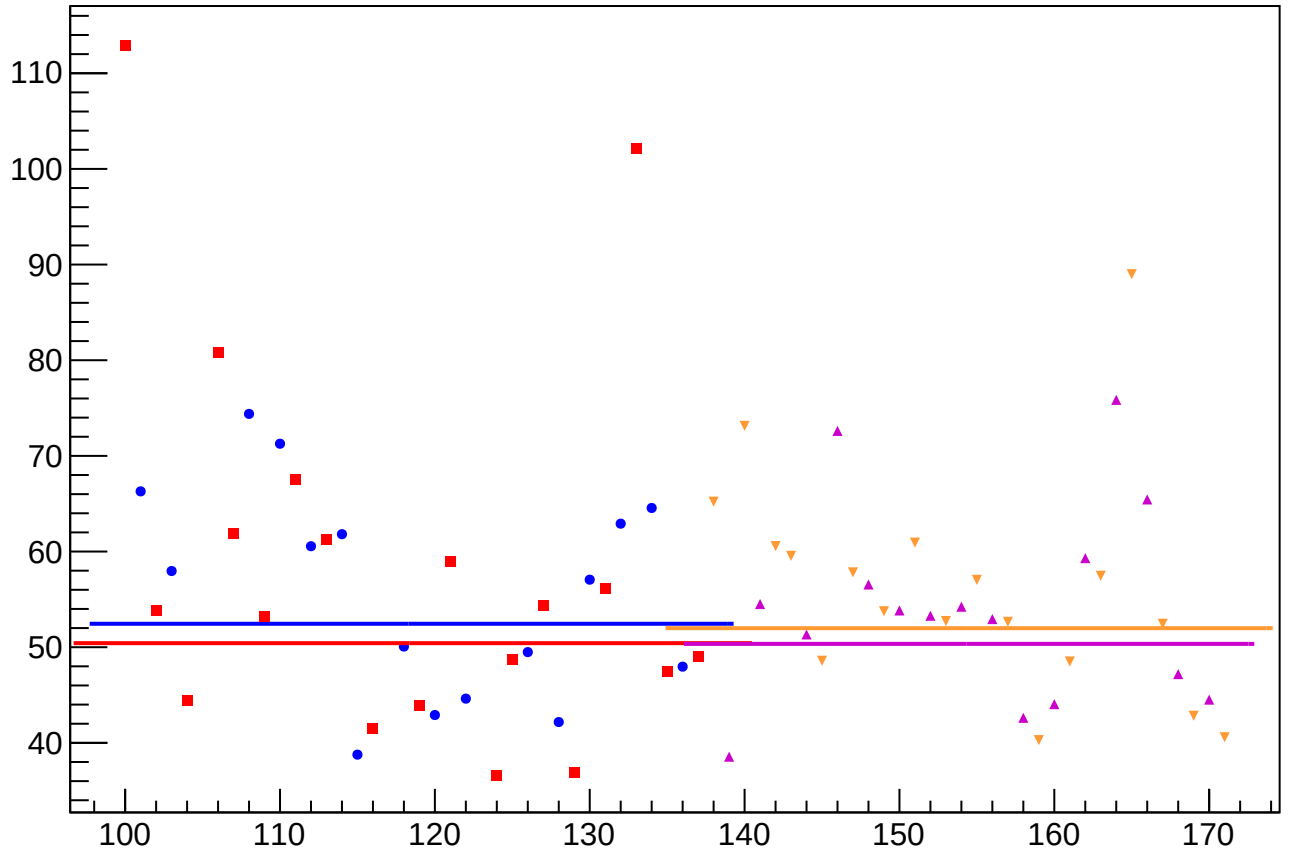
Left: 0.003+/-0.010 χ^2/NDF: 52.1/33

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.005+/-0.008 χ^2/NDF: 77.6/68



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: 50.348+/-0.010 χ^2/NDF:675950.1/15

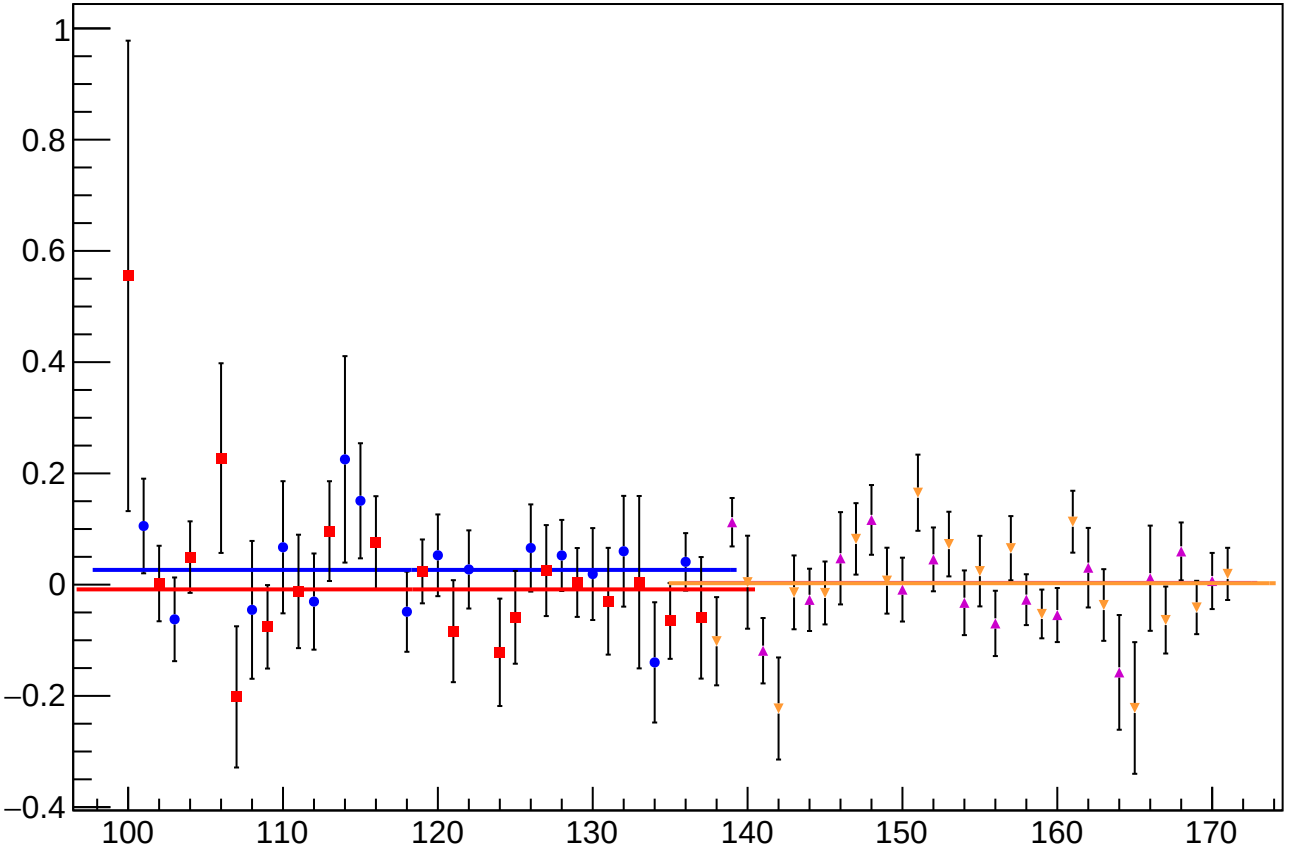
Left: 51.175+/-0.007 χ^2/NDF: 1540882.2/33

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.050+/-0.008 χ^2/NDF:1108118.8/31

Out: 51.439+/-0.008 χ^2/NDF:1537058.7/36

All: 51.249+/-0.006 χ^2/NDF: 2646288.6/68



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: 0.003+/-0.014 χ^2/NDF:22.5/15

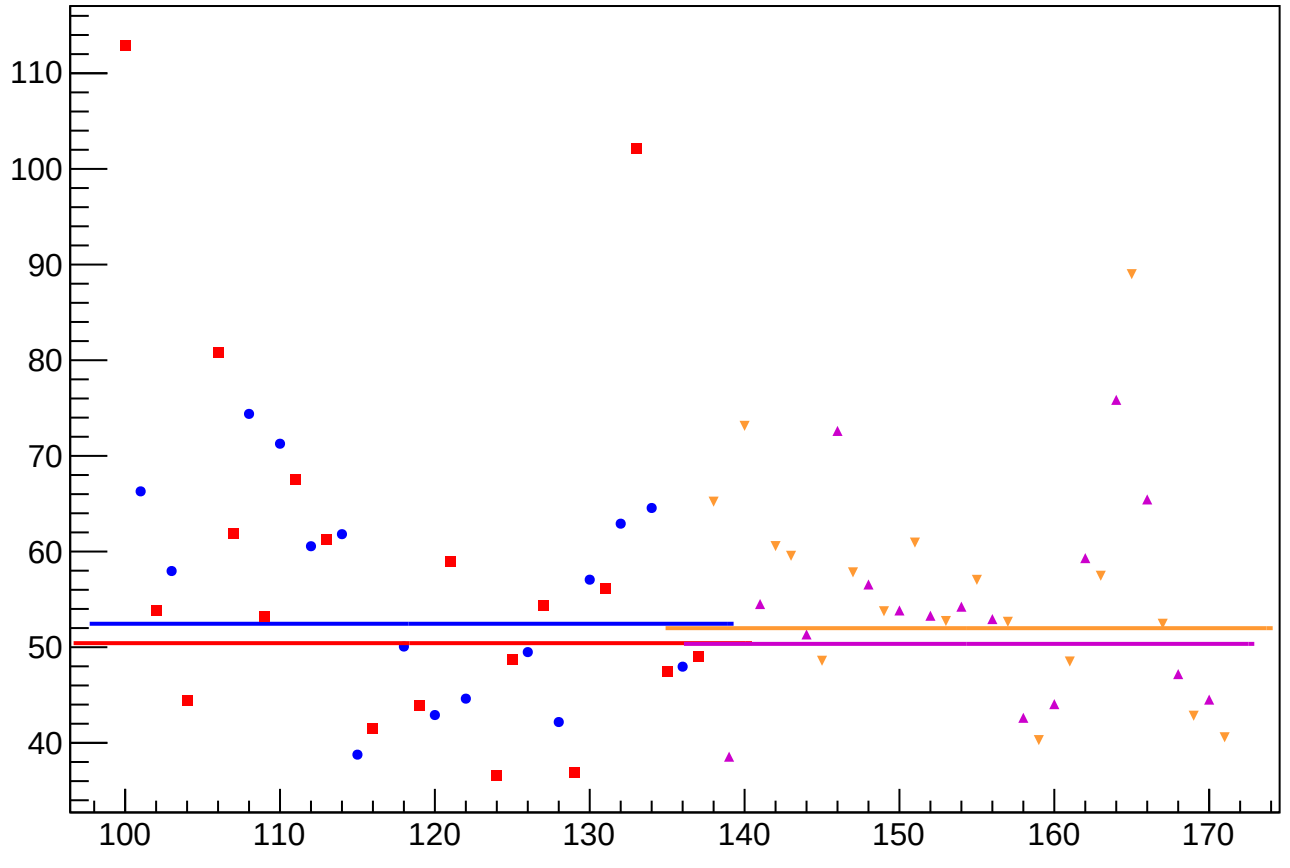
Left: 0.003+/-0.010 χ^2/NDF: 52.1/33

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.005+/-0.008 χ^2/NDF: 77.6/68



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: 50.348+/-0.010 χ^2/NDF:675950.1/15

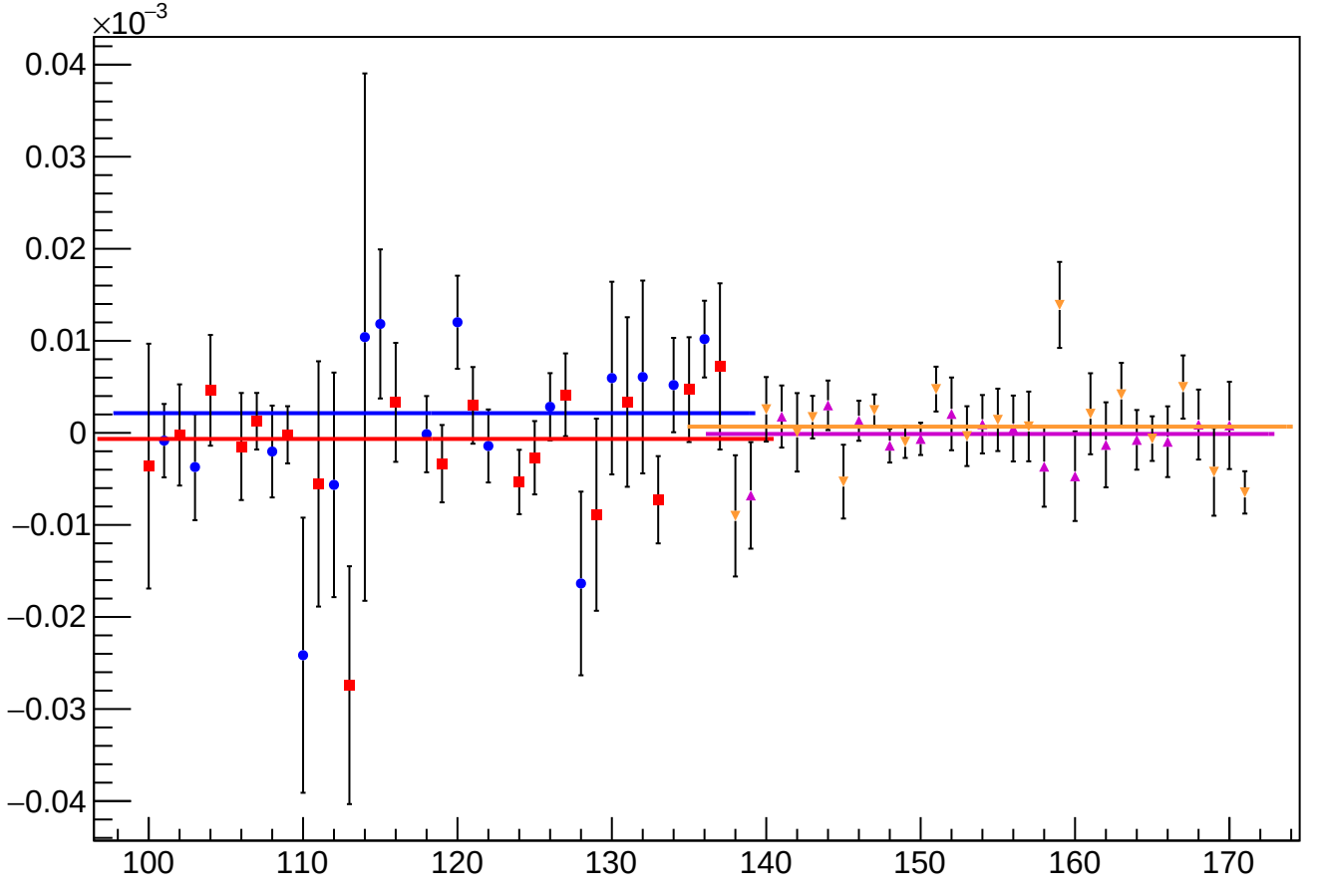
Left: 51.175+/-0.007 χ^2/NDF: 1540882.2/33

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 51.050+/-0.008 χ^2/NDF:1108118.8/31

Out: 51.439+/-0.008 χ^2/NDF:1537058.7/36

All: 51.249+/-0.006 χ^2/NDF: 2646288.6/68



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:6.2/15

Left: 0.000+/-0.000 χ^2/NDF: 38.4/33

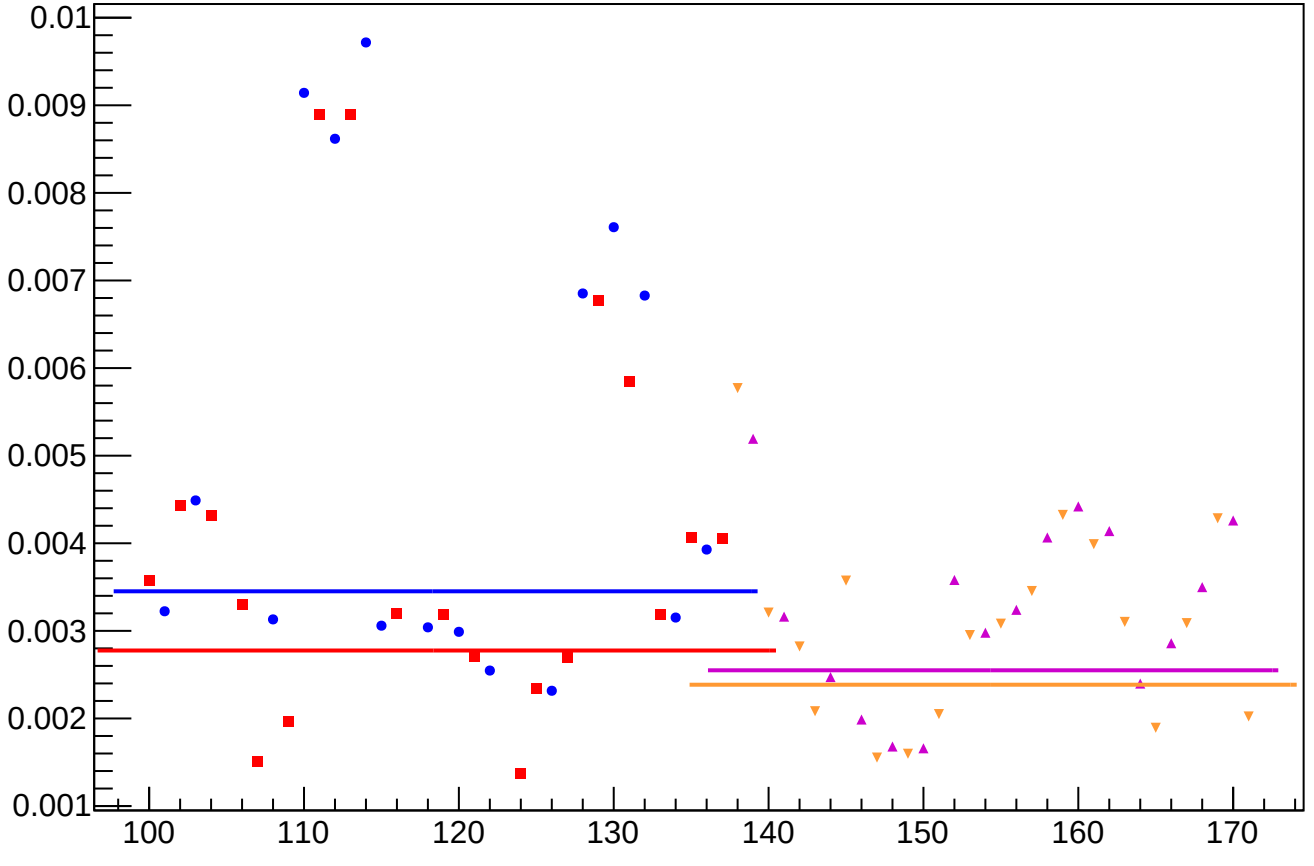
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:28.4/31

Out: 0.000+/-0.000 χ^2/NDF:47.4/36

All: 0.000+/-0.000 χ^2/NDF: 75.7/68

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3324104.6/17

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3007634.2/15

Left: 0.002+/-0.000 χ^2/NDF: 6384259.7/33

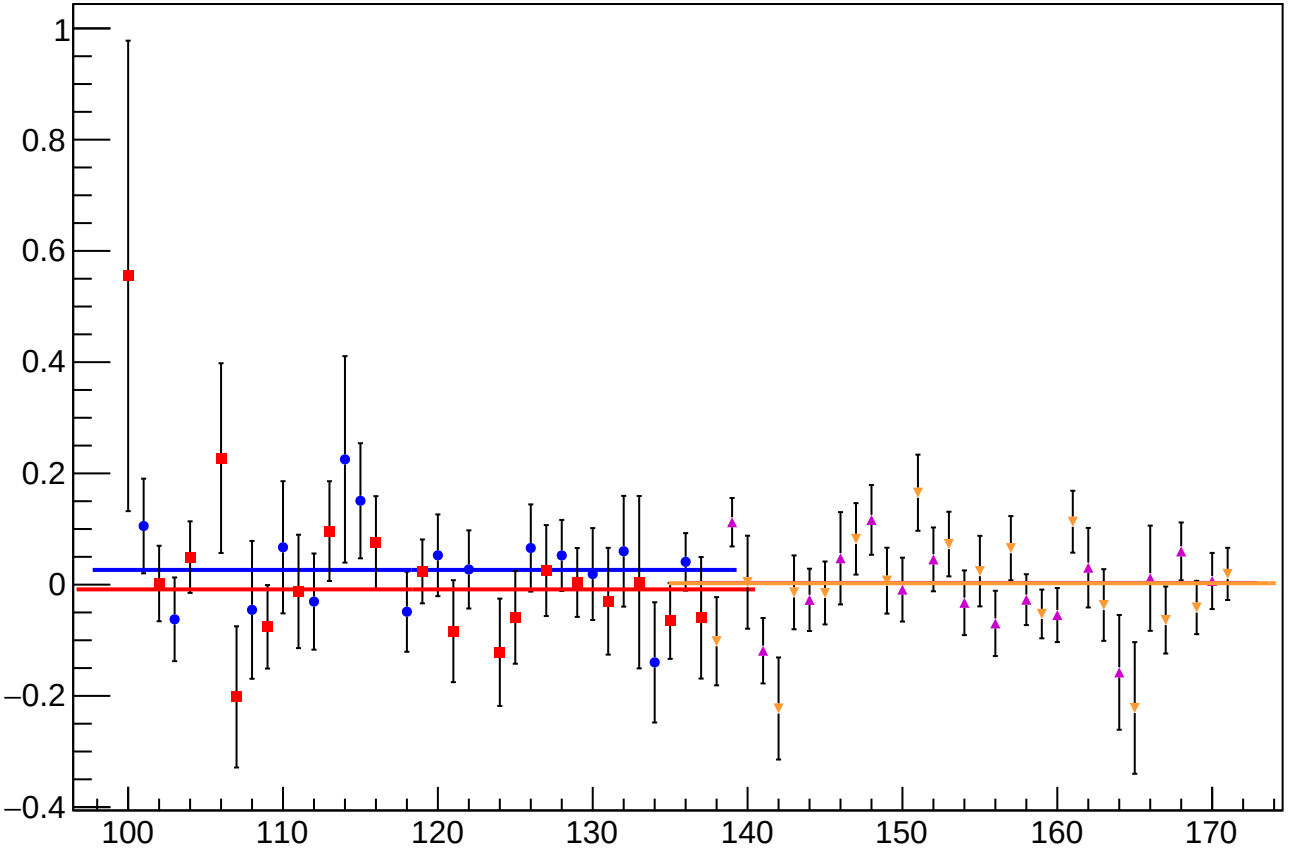
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5611389.2/31

Out: 0.002+/-0.000 χ^2/NDF:6230486.8/36

All: 0.003+/-0.000 χ^2/NDF: 12028850.7/68

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: 0.003+/-0.014 χ^2/NDF:22.5/15

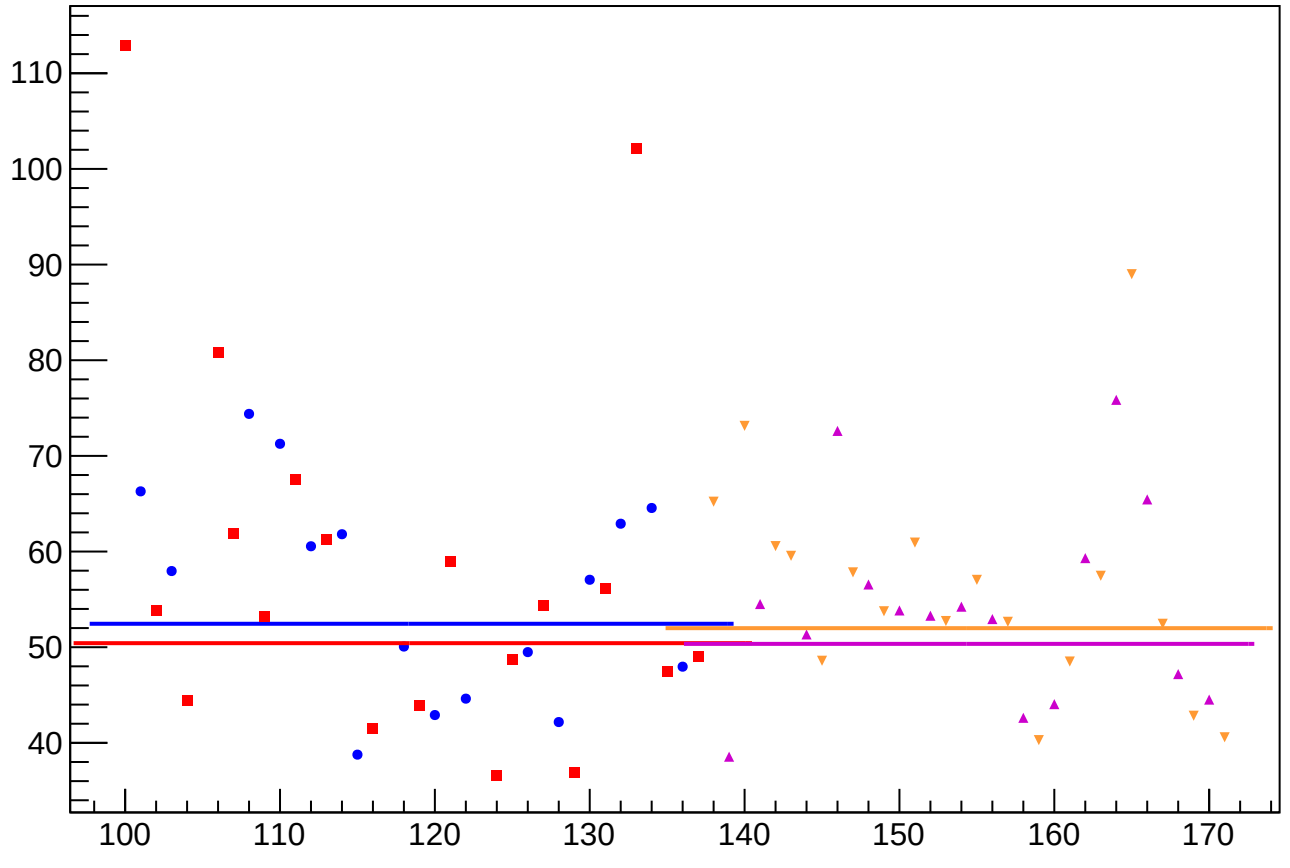
Left: 0.003+/-0.010 χ^2/NDF: 52.1/33

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.005+/-0.008 χ^2/NDF: 77.6/68



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: 50.348+/-0.010 χ^2/NDF:676026.6/15

Left: 51.175+/-0.007 χ^2/NDF: 1540970.2/33

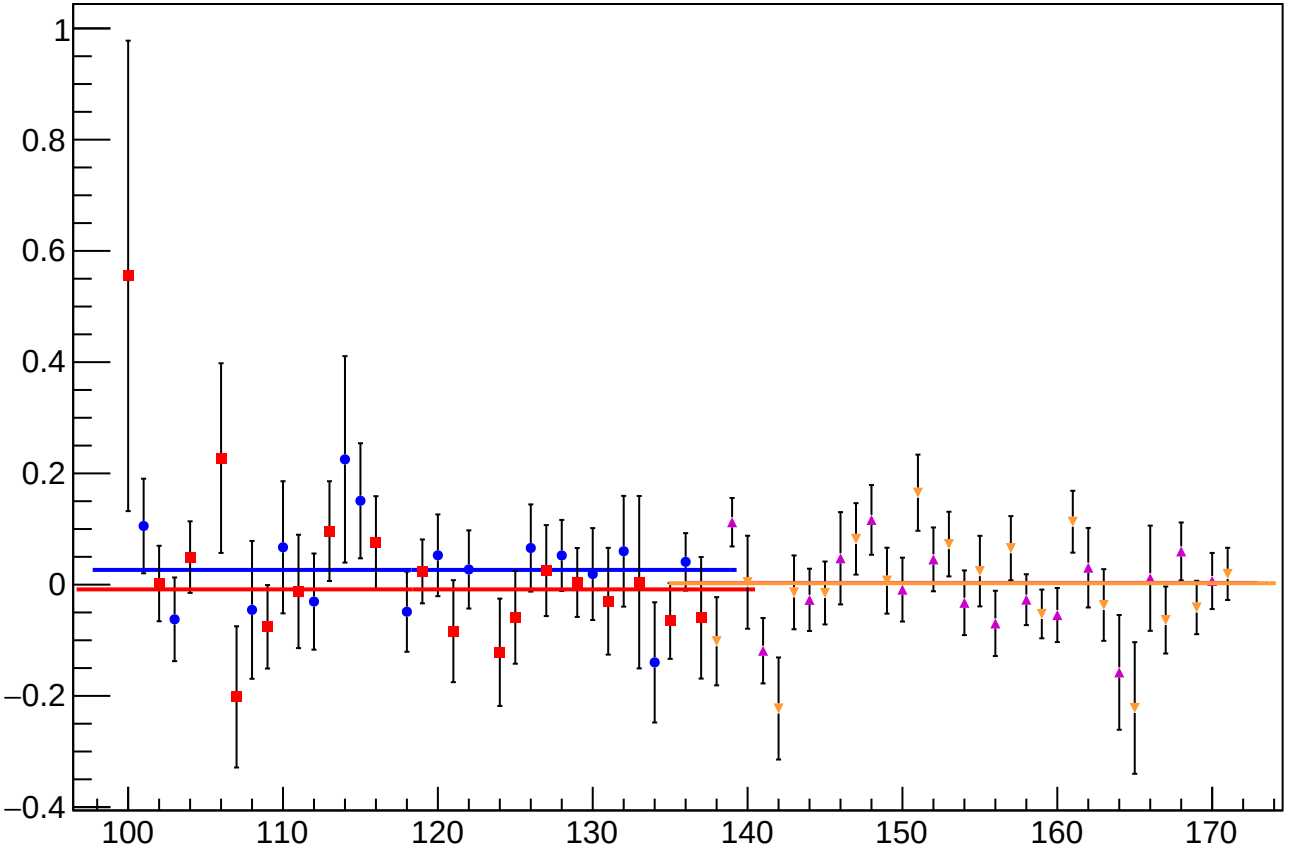
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 51.050+/-0.008 χ^2/NDF:1108129.5/31

Out: 51.439+/-0.008 χ^2/NDF:1537091.2/36

All: 51.249+/-0.006 χ^2/NDF: 2646331.9/68

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: 0.003+/-0.014 χ^2/NDF:22.5/15

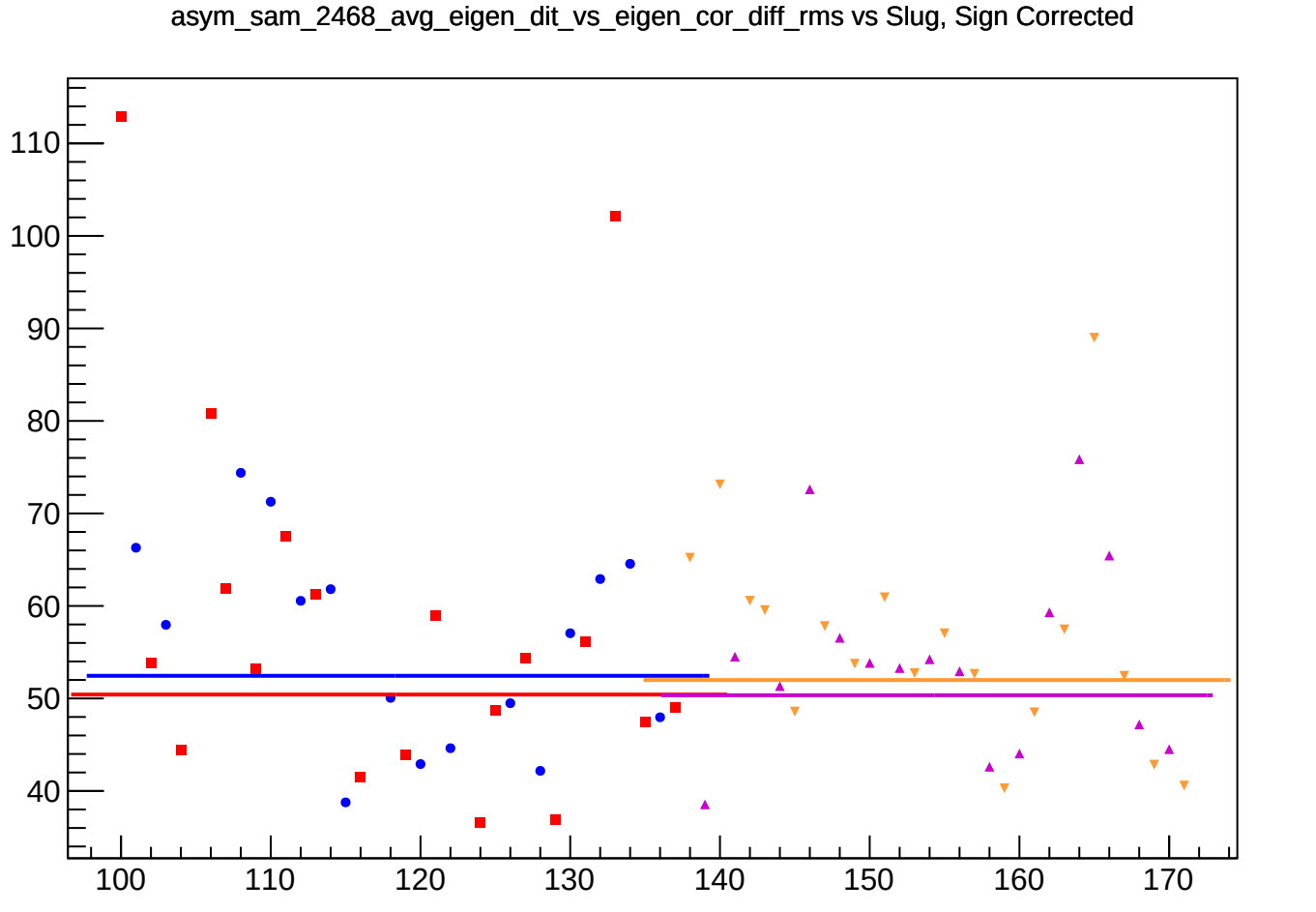
Left: 0.003+/-0.010 χ^2/NDF: 52.1/33

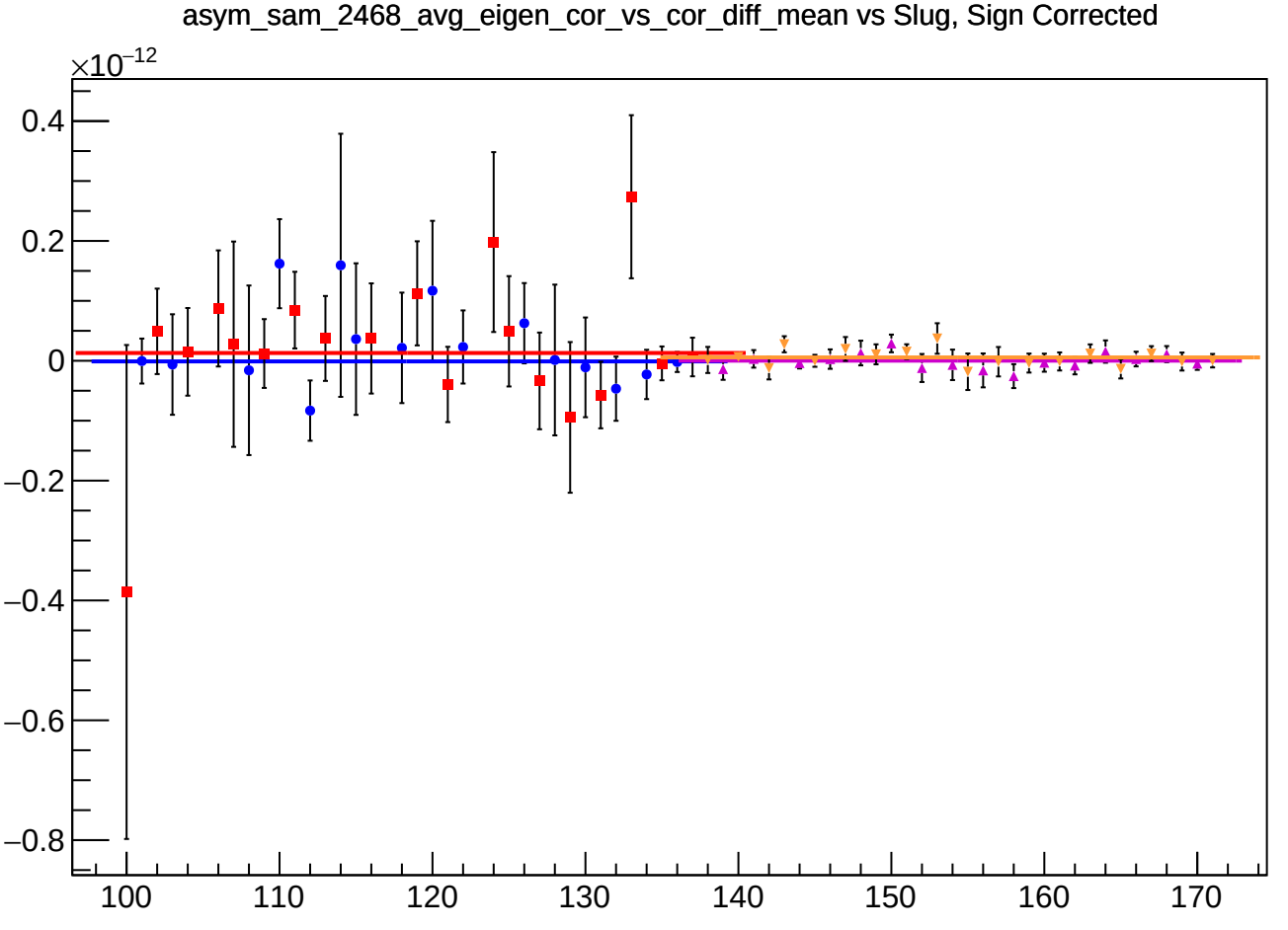
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

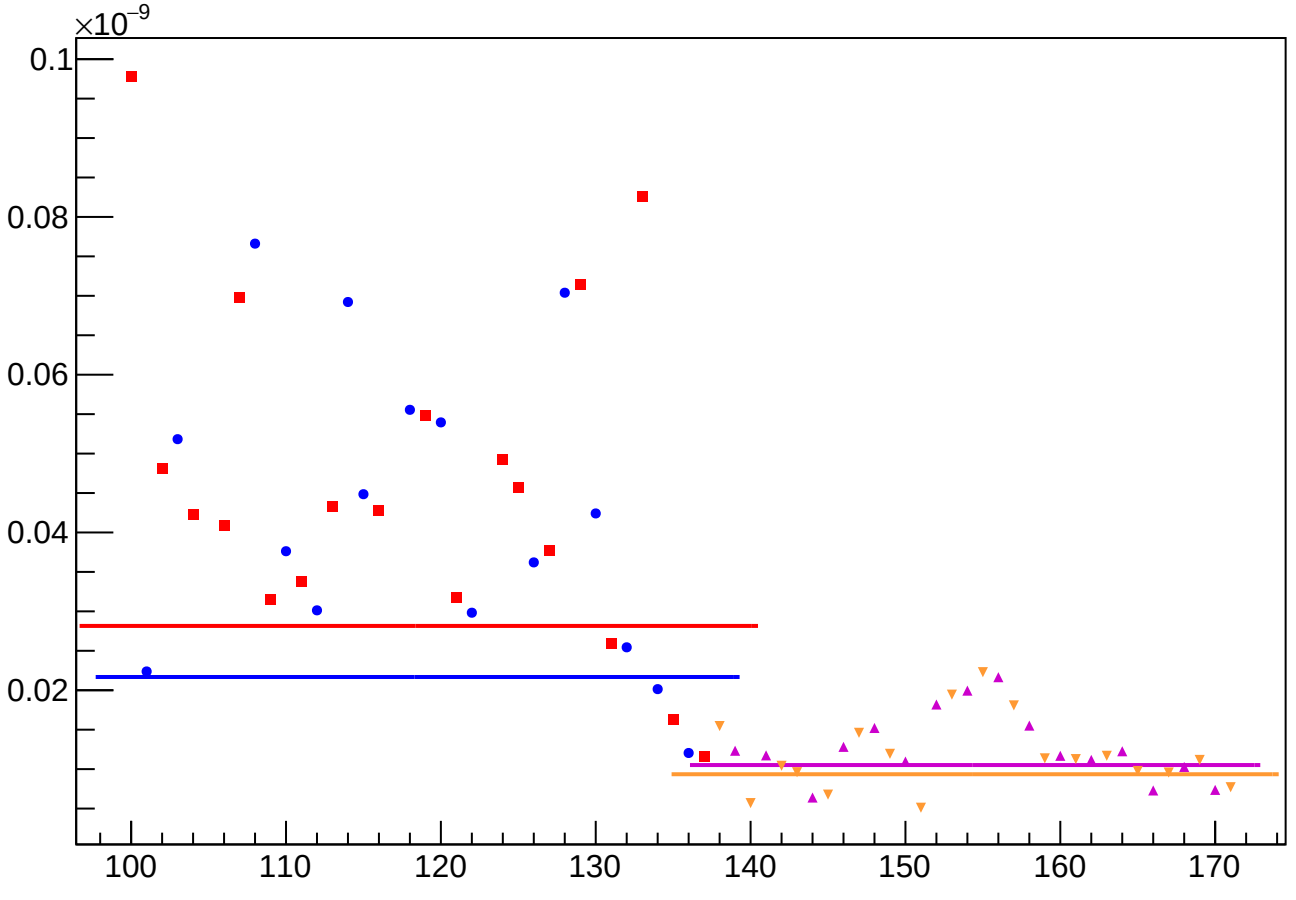
In: 0.011+/-0.012 χ^2/NDF:33.4/31

Out: -0.001+/-0.012 χ^2/NDF:43.7/36

All: 0.005+/-0.008 χ^2/NDF: 77.6/68


asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 52.450+/-0.014 χ2/NDF: 417967.5/15
Left Out: 51.990+/-0.010 χ2/NDF:851928.8/17
Right Out: 50.422+/-0.014 χ2/NDF: 676753.5/18
Left In: 50.348+/-0.010 χ2/NDF:676026.6/15
Left: 51.175+/-0.007 χ2/NDF: 1540970.2/33
Right: 51.389+/-0.010 χ2/NDF: 1105059.9/34
In: 51.050+/-0.008 χ2/NDF:1108129.5/31
Out: 51.439+/-0.008 χ2/NDF:1537091.2/36
All: 51.249+/-0.006 χ2/NDF: 2646331.9/68


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:9.4/15
Left: 0.000+/-0.000 χ²/NDF: 20.7/33
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:20.6/31
Out: 0.000+/-0.000 χ²/NDF:24.1/36
All: 0.000+/-0.000 χ²/NDF: 46.2/68



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:1871722.8/15

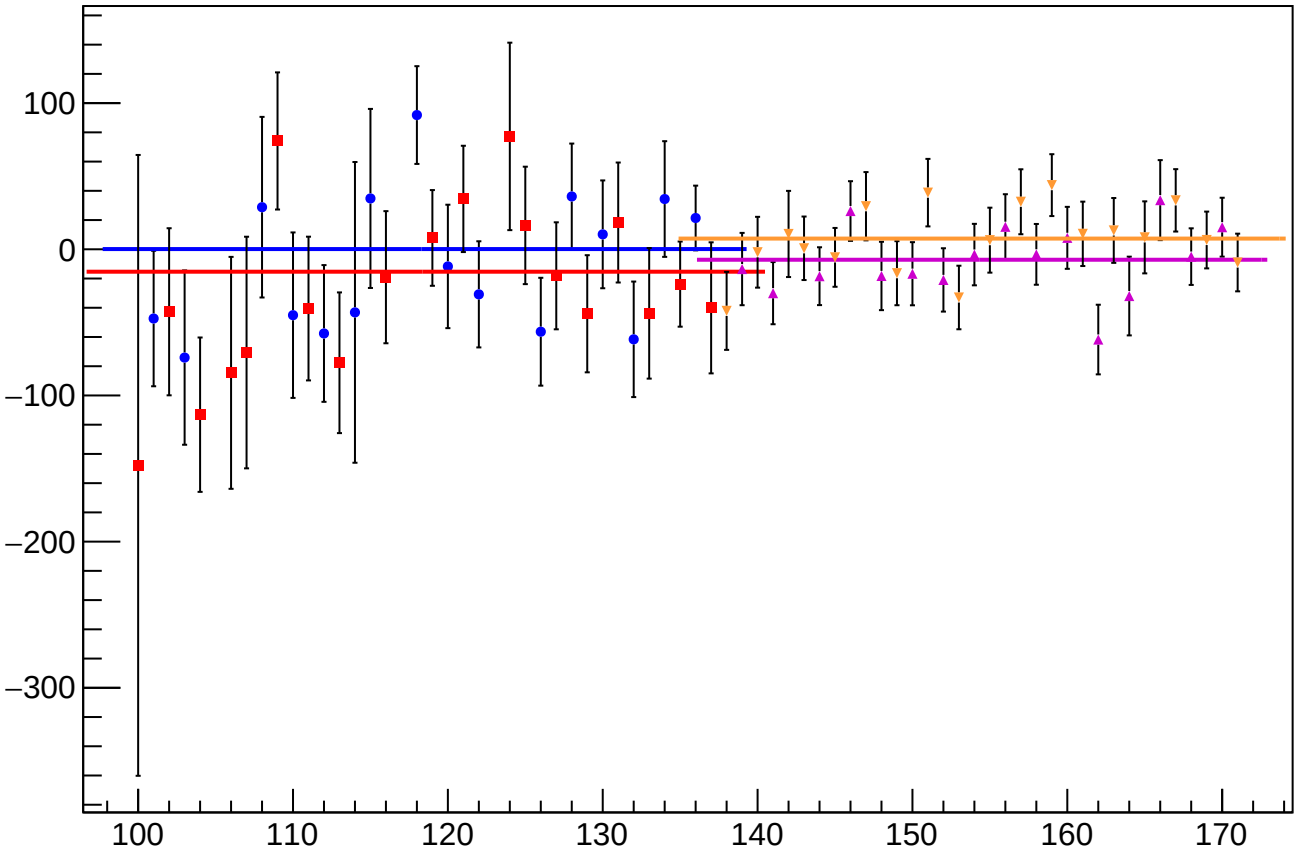
Left: 0.000+/-0.000 χ^2/NDF: 4211161.0/33

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:5975042.6/31

Out: 0.000+/-0.000 χ^2/NDF:7803278.1/36

All: 0.000+/-0.000 χ^2/NDF: 13898671.5/68



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: -7.154+/-5.478 χ^2/NDF:16.2/15

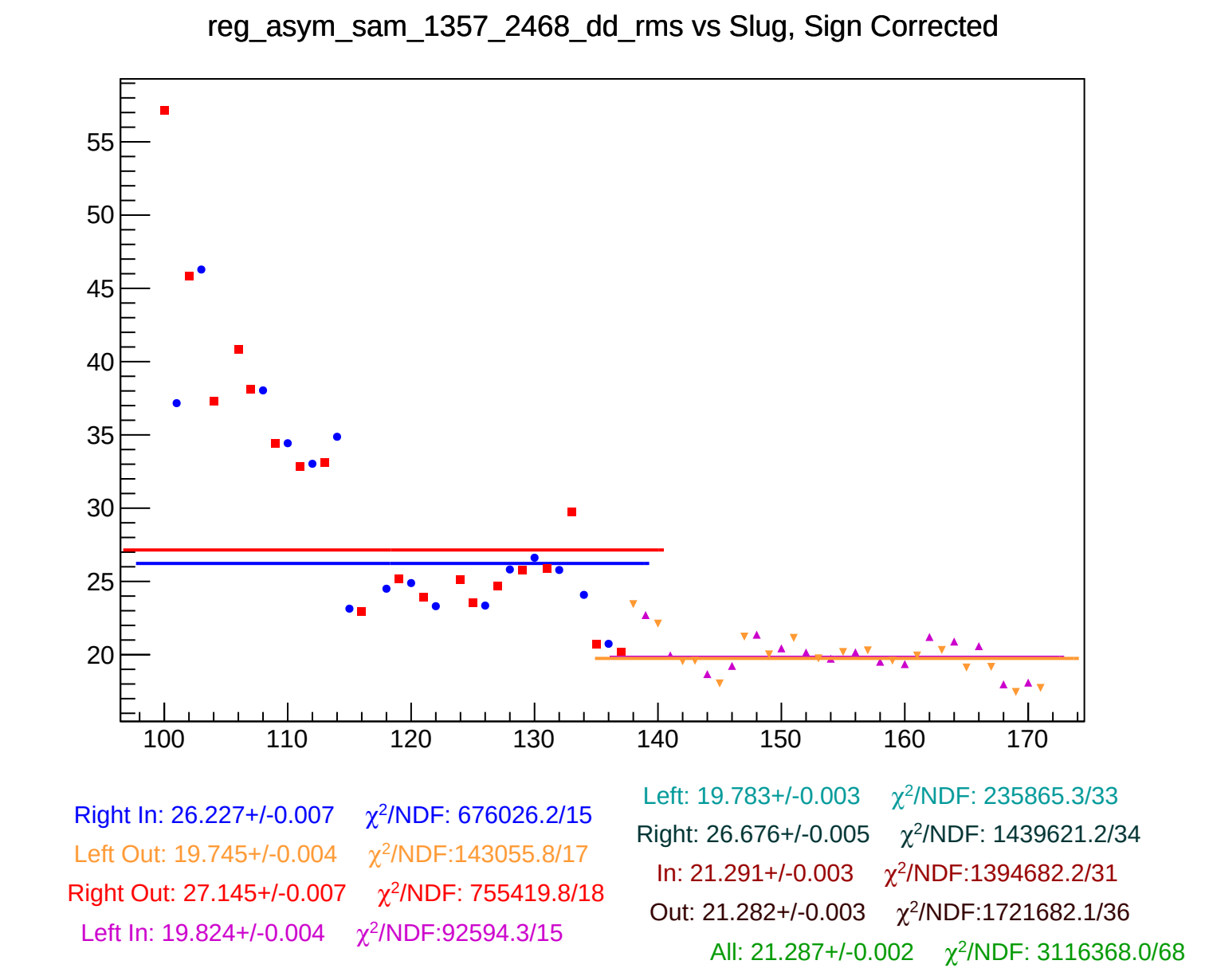
Left: 0.386+/-3.793 χ^2/NDF: 37.8/33

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

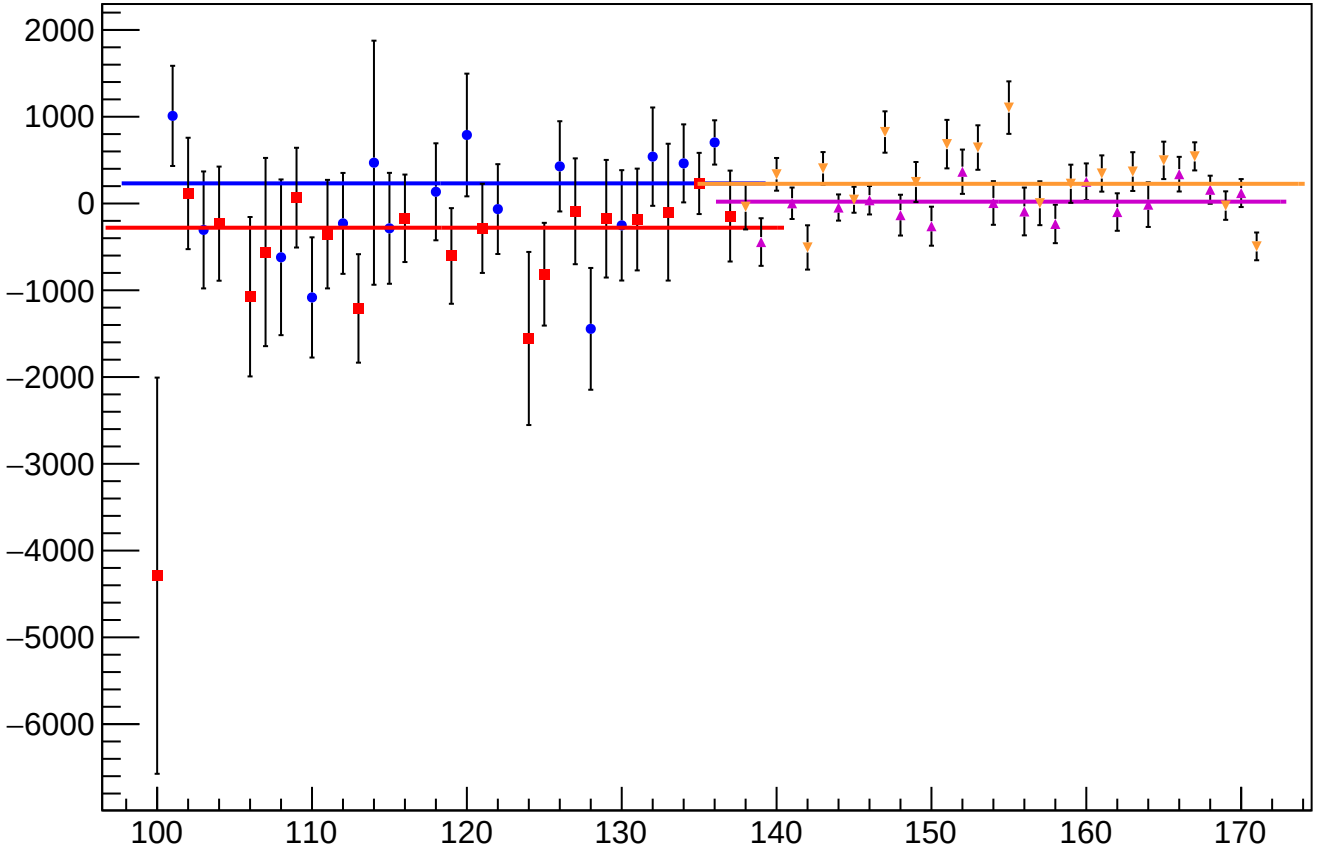
In: -5.479+/-4.809 χ^2/NDF:37.9/31

Out: 2.621+/-4.679 χ^2/NDF:39.8/36

All: -1.317+/-3.354 χ^2/NDF: 79.2/68


reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected
55
50
45
40
35
30
25
20
100
110
120
130
140
150
160
170
Right In: 26.227+/-0.007 χ²/NDF: 676026.2/15
Left Out: 19.745+/-0.004 χ²/NDF:143055.8/17
Right Out: 27.145+/-0.007 χ²/NDF: 755419.8/18
Left In: 19.824+/-0.004 χ²/NDF:92594.3/15
Left: 19.783+/-0.003 χ²/NDF: 235865.3/33
Right: 26.676+/-0.005 χ²/NDF: 1439621.2/34
In: 21.291+/-0.003 χ²/NDF:1394682.2/31
Out: 21.282+/-0.003 χ²/NDF:1721682.1/36
All: 21.287+/-0.002 χ²/NDF: 3116368.0/68

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: 21.099+/-50.756 χ^2/NDF:13.6/15

Left: 128.179+/-35.149 χ^2/NDF: 83.7/33

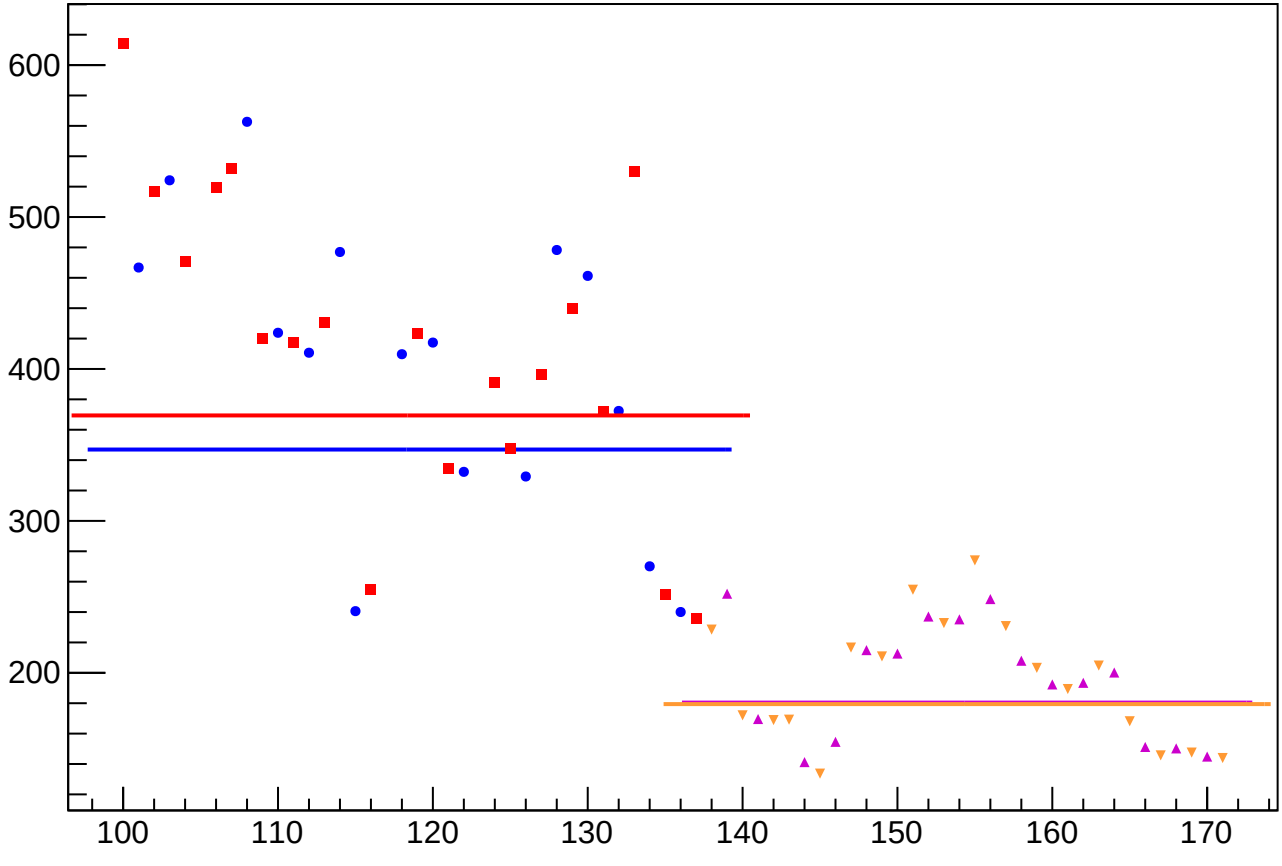
Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: 47.274+/-47.504 χ^2/NDF:35.4/31

Out: 172.173+/-46.015 χ^2/NDF:85.3/36

All: 111.711+/-33.051 χ^2/NDF: 124.3/68

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 179.418+/-0.034 χ^2/NDF:1184360.7/17

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 180.411+/-0.036 χ^2/NDF:993836.6/15

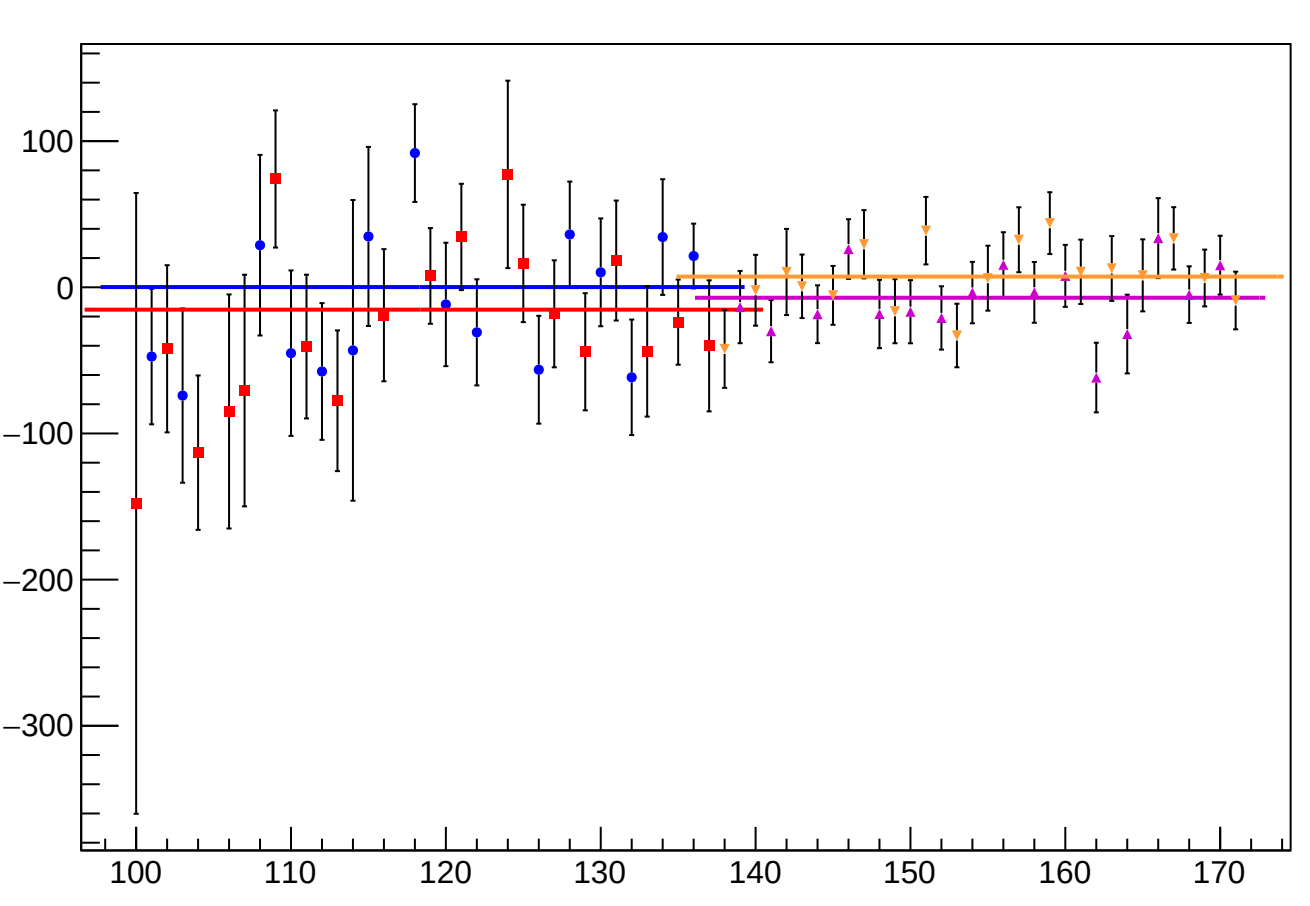
Left: 179.894+/-0.025 χ^2/NDF: 2178596.3/33

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 201.074+/-0.034 χ^2/NDF:4723632.9/31

Out: 199.953+/-0.033 χ^2/NDF:5390121.0/36

All: 200.496+/-0.023 χ^2/NDF: 10114328.7/68



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: -7.154+/-5.478 χ^2/NDF:16.2/15

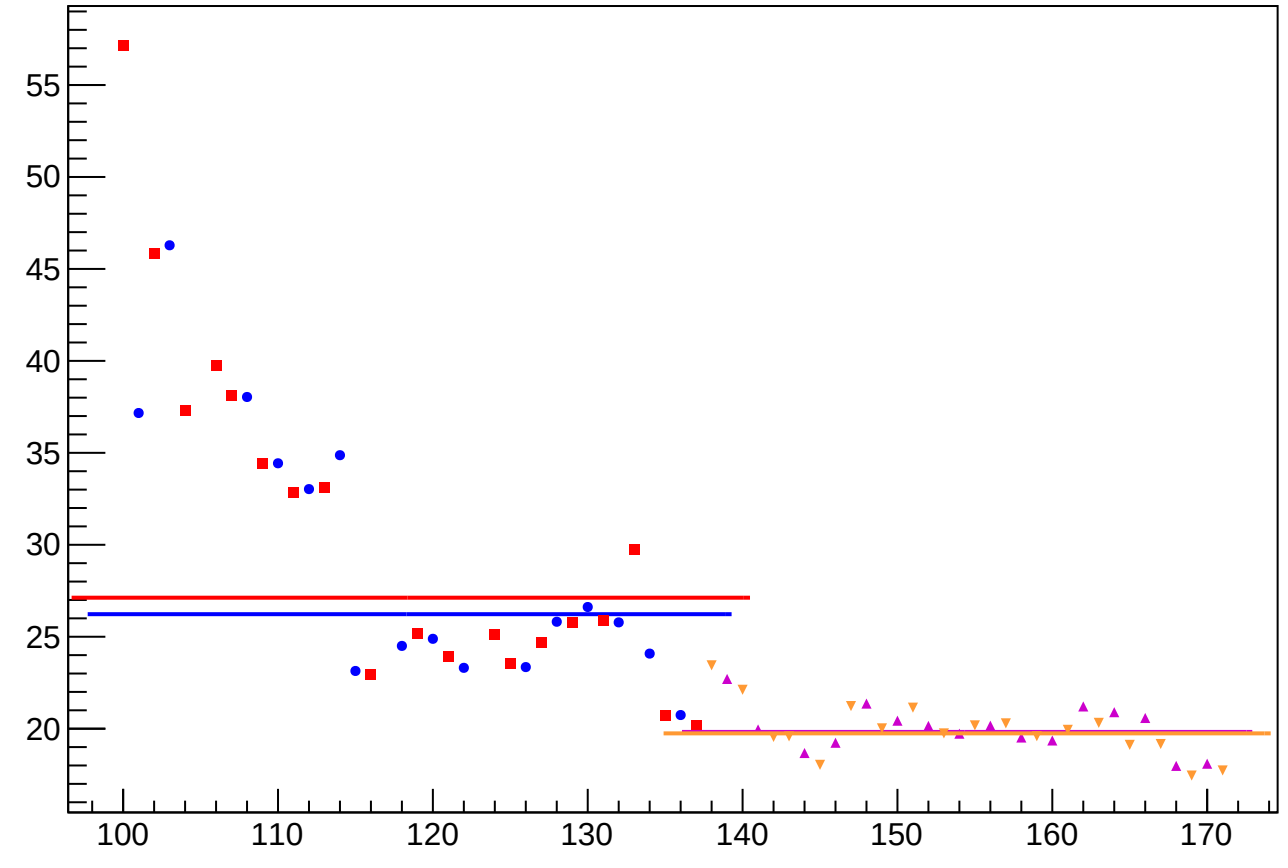
Left: 0.385+/-3.793 χ^2/NDF: 37.8/33

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.479+/-4.809 χ^2/NDF:37.9/31

Out: 2.631+/-4.679 χ^2/NDF:39.8/36

All: -1.312+/-3.354 χ^2/NDF: 79.2/68



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: 19.824+/-0.004 χ^2/NDF:92594.3/15

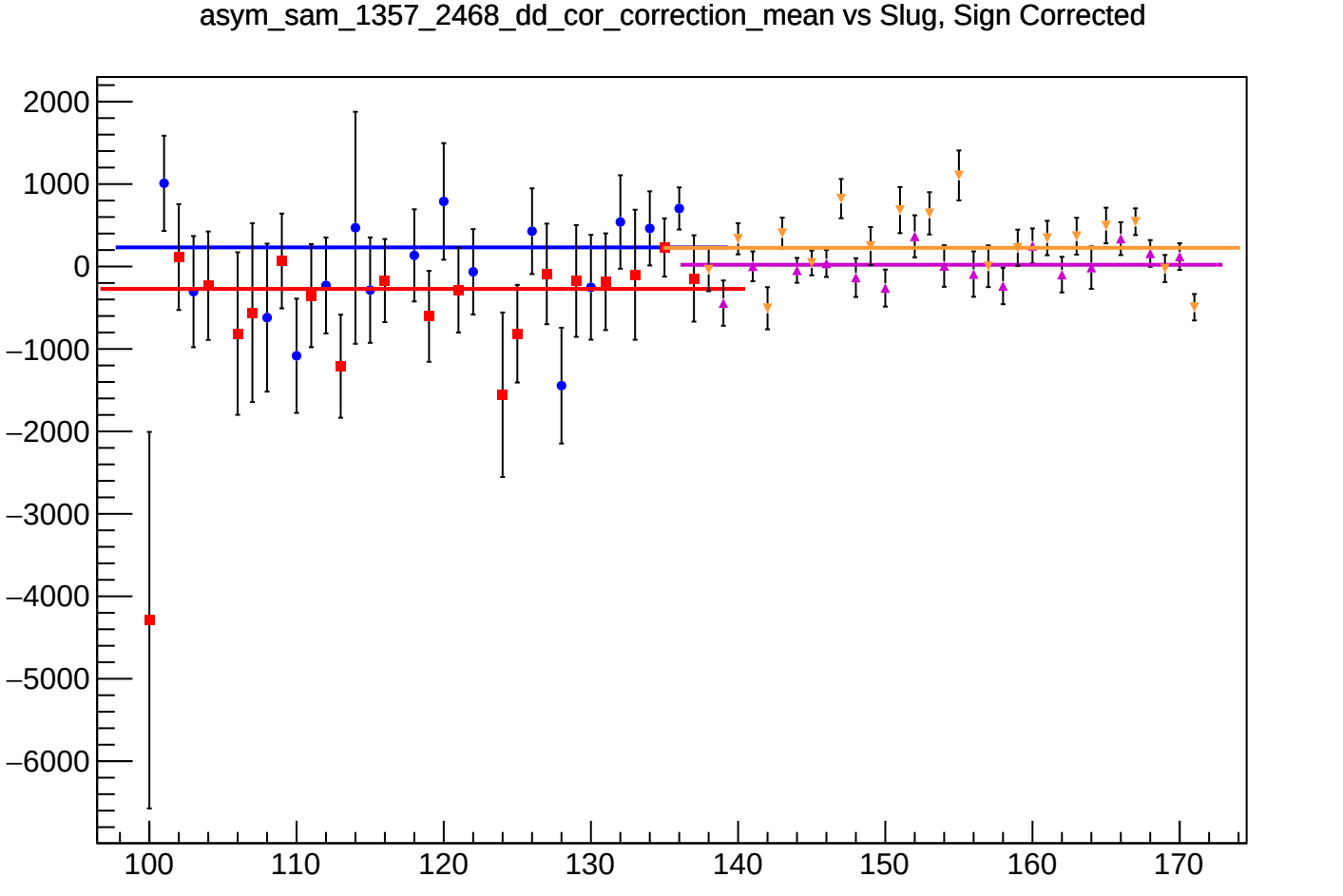
Left: 19.783+/-0.003 χ^2/NDF: 235865.3/33

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

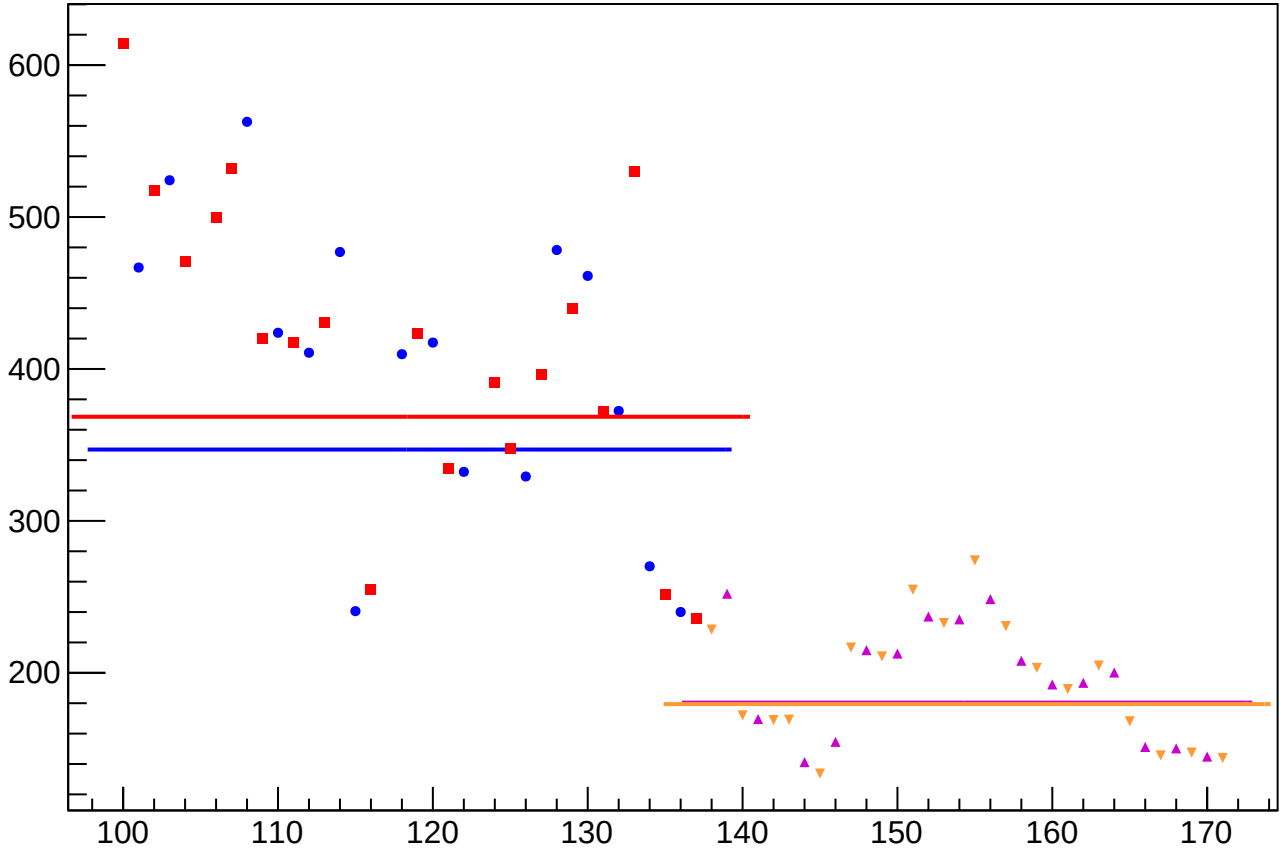
In: 21.291+/-0.003 χ^2/NDF:1394685.6/31

Out: 21.277+/-0.003 χ^2/NDF:1706853.8/36

All: 21.284+/-0.002 χ^2/NDF: 3101548.2/68


asym_sam_1357_2468_dd_cor_correction_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
Right In: 232.084+/-134.871 χ²/NDF: 19.6/15
Left Out: 226.851+/-48.723 χ²/NDF:61.6/17
Right Out: -271.412+/-140.183 χ²/NDF: 11.6/18
Left In: 21.098+/-50.756 χ²/NDF:13.6/15
Left: 128.177+/-35.149 χ²/NDF: 83.7/33
Right: -9.945+/-97.192 χ²/NDF: 38.0/34
In: 47.272+/-47.504 χ²/NDF:35.4/31
Out: 173.146+/-46.023 χ²/NDF:84.5/36
All: 112.202+/-33.054 χ²/NDF: 123.5/68

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: 180.412+/-0.036 χ^2/NDF:993832.9/15

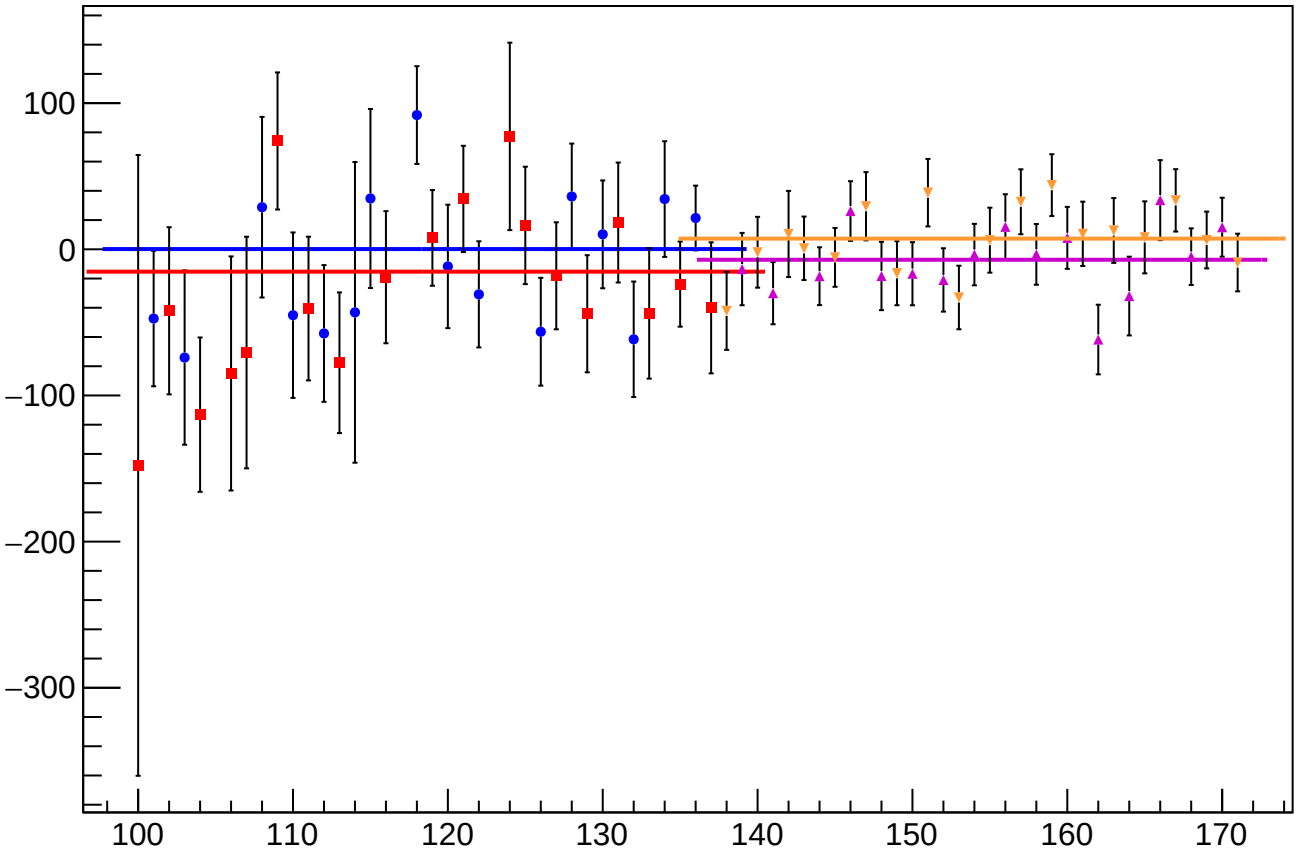
Left: 179.894+/-0.025 χ^2/NDF: 2178595.1/33

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 201.074+/-0.034 χ^2/NDF:4723650.8/31

Out: 199.803+/-0.033 χ^2/NDF:5332550.8/36

All: 200.418+/-0.023 χ^2/NDF: 10056940.9/68



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: -7.154+/-5.478 χ^2/NDF:16.2/15

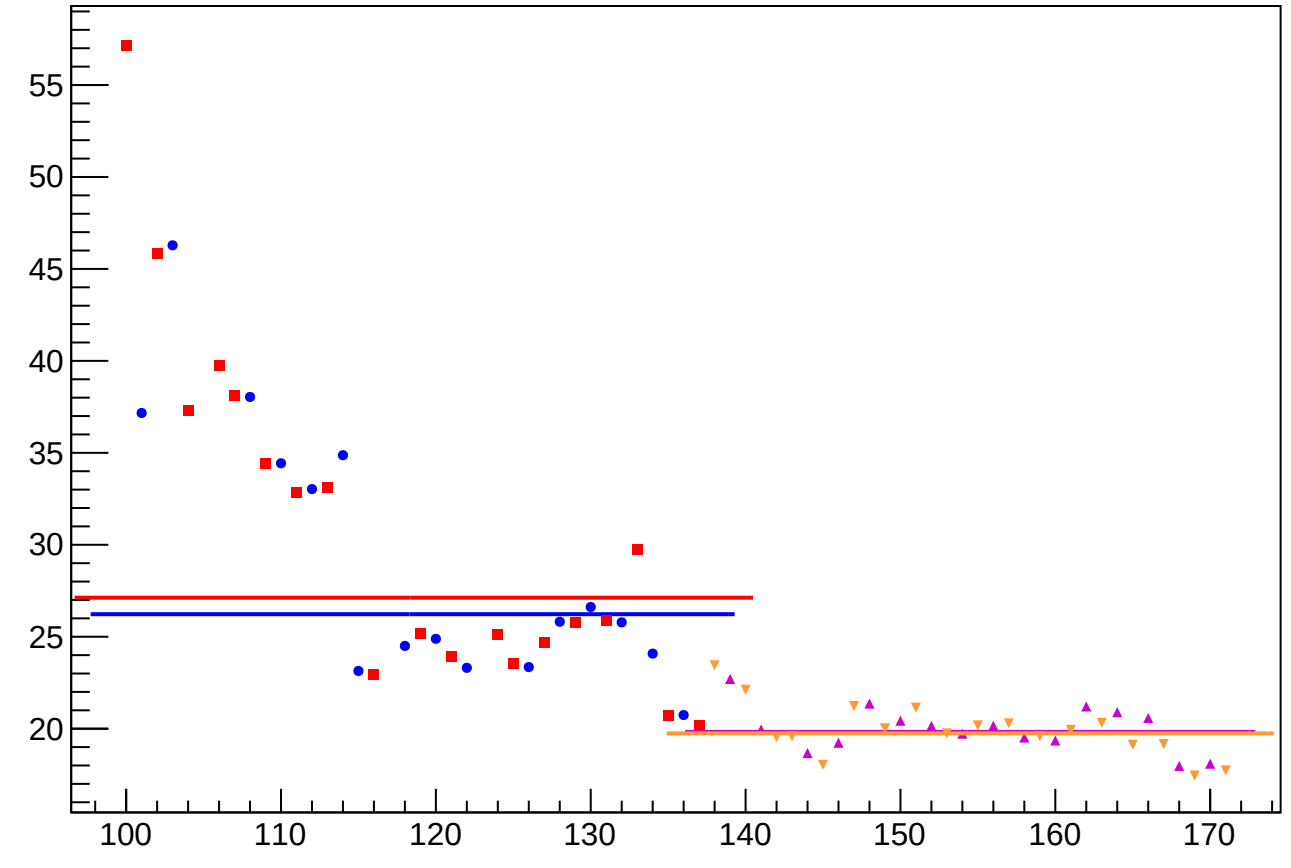
Left: 0.385+/-3.793 χ^2/NDF: 37.8/33

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.479+/-4.809 χ^2/NDF:37.9/31

Out: 2.631+/-4.679 χ^2/NDF:39.8/36

All: -1.312+/-3.354 χ^2/NDF: 79.2/68



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: 19.824+/-0.004 χ^2/NDF:92594.3/15

Left: 19.783+/-0.003 χ^2/NDF: 235865.3/33

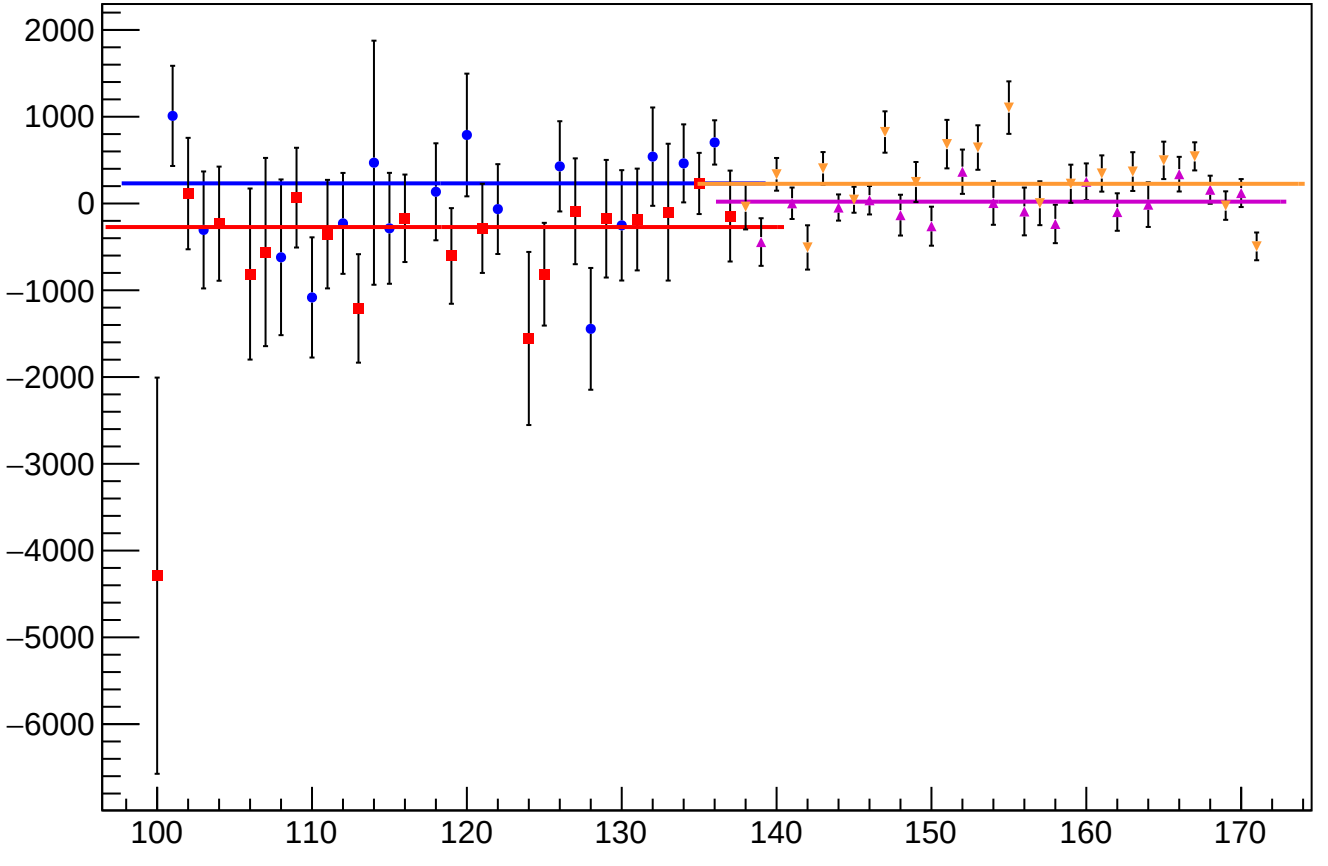
Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 21.291+/-0.003 χ^2/NDF:1394685.6/31

Out: 21.277+/-0.003 χ^2/NDF:1706853.8/36

All: 21.284+/-0.002 χ^2/NDF: 3101548.2/68

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: 21.098+/-50.756 χ^2/NDF:13.6/15

Left: 128.177+/-35.149 χ^2/NDF: 83.7/33

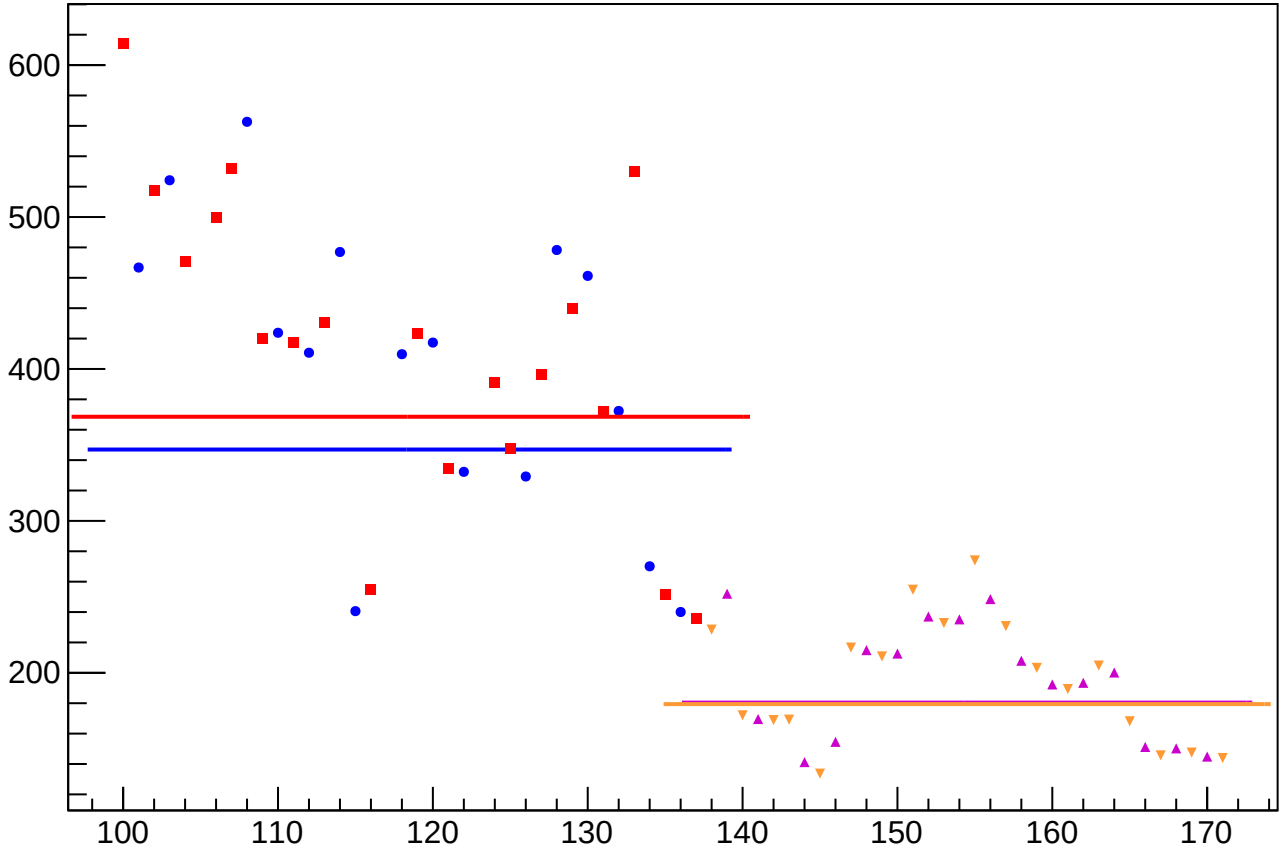
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: 47.272+/-47.504 χ^2/NDF:35.4/31

Out: 173.146+/-46.023 χ^2/NDF:84.5/36

All: 112.202+/-33.054 χ^2/NDF: 123.5/68

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: 180.412+/-0.036 χ^2/NDF:993832.9/15

Left: 179.894+/-0.025 χ^2/NDF: 2178595.1/33

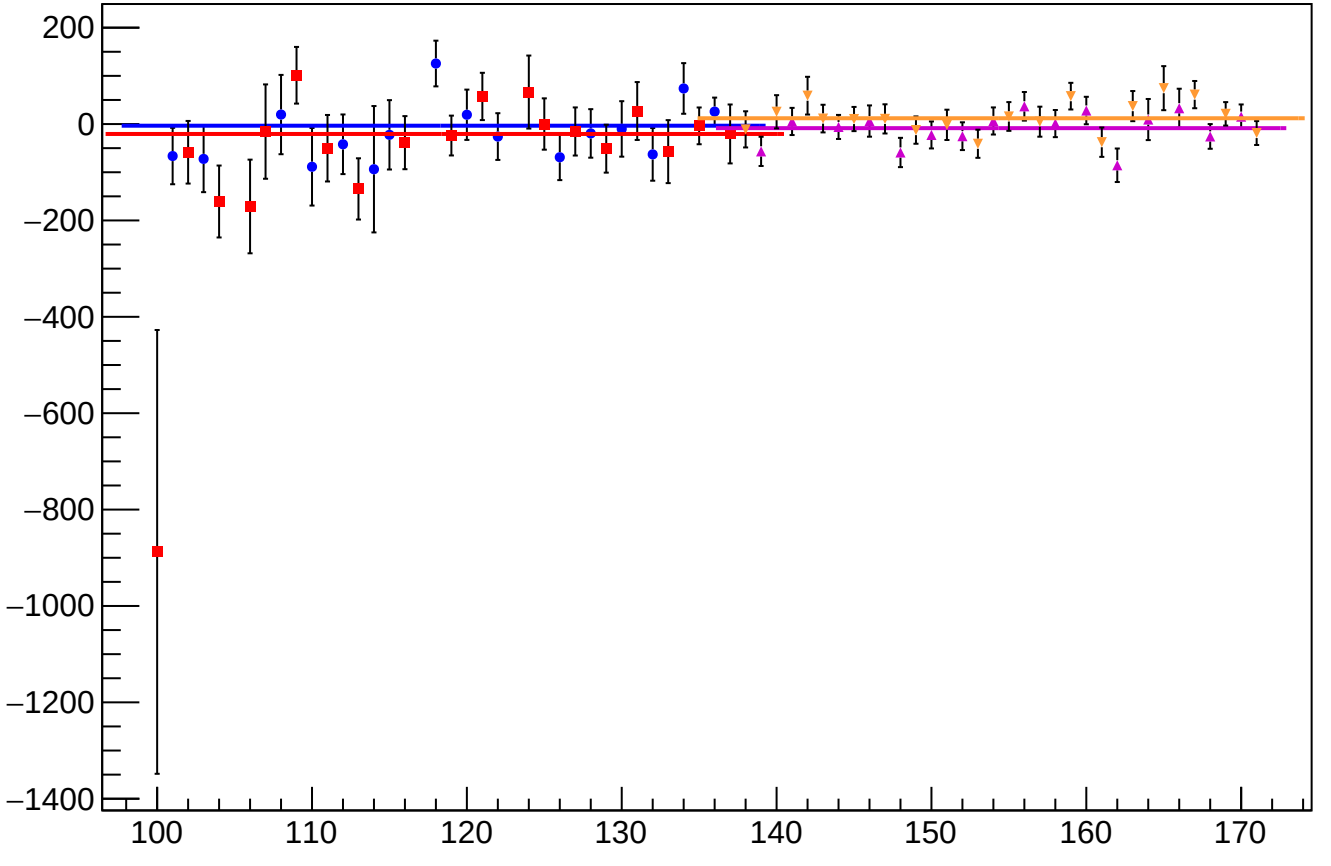
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 201.074+/-0.034 χ^2/NDF:4723650.8/31

Out: 199.803+/-0.033 χ^2/NDF:5332550.8/36

All: 200.418+/-0.023 χ^2/NDF: 10056940.9/68

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 12.048+/-7.048 χ^2/NDF:18.9/17

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -8.499+/-7.367 χ^2/NDF:18.2/15

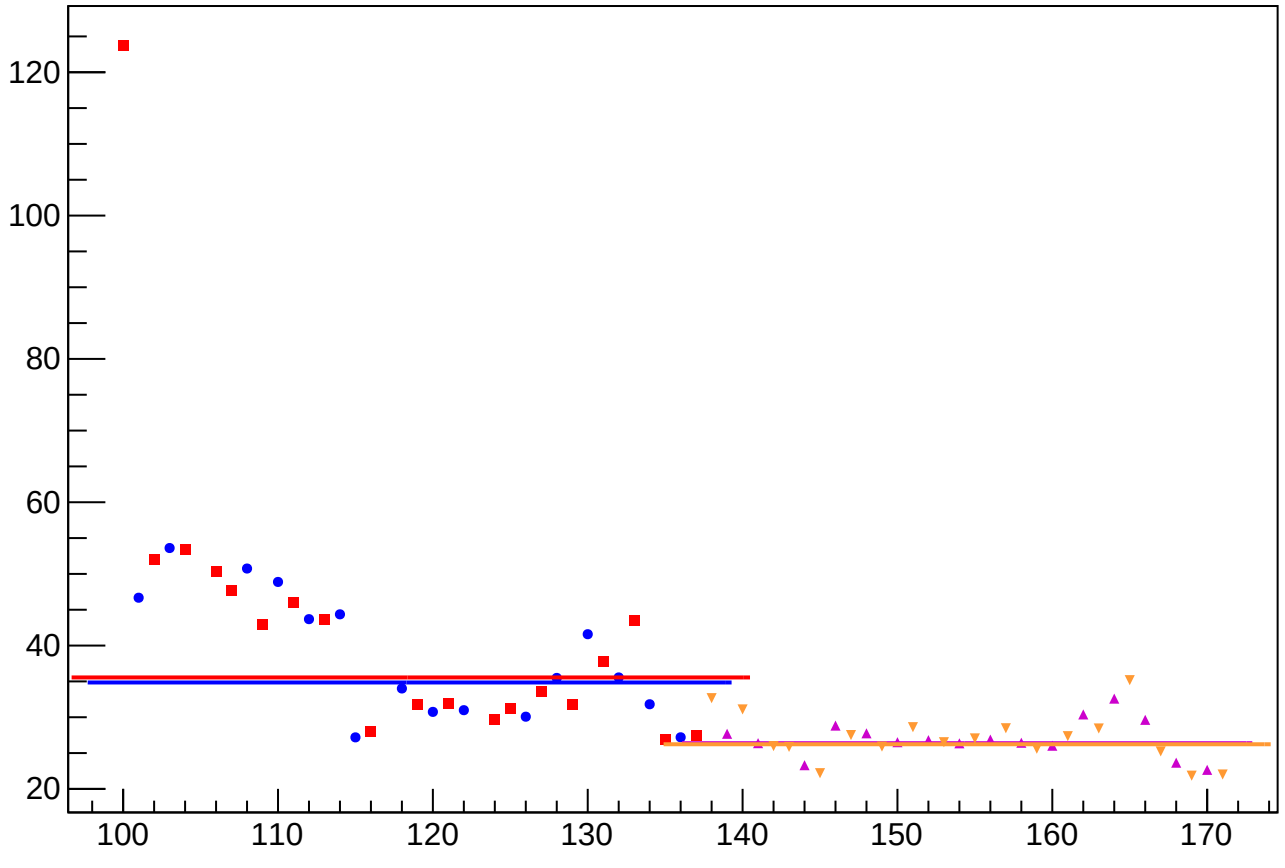
Left: 2.230+/-5.093 χ^2/NDF: 41.1/33

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.320+/-6.455 χ^2/NDF:36.7/31

Out: 5.042+/-6.245 χ^2/NDF:46.6/36

All: -0.935+/-4.488 χ^2/NDF: 85.2/68



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: 26.380+/-0.005 χ^2/NDF:198685.4/15

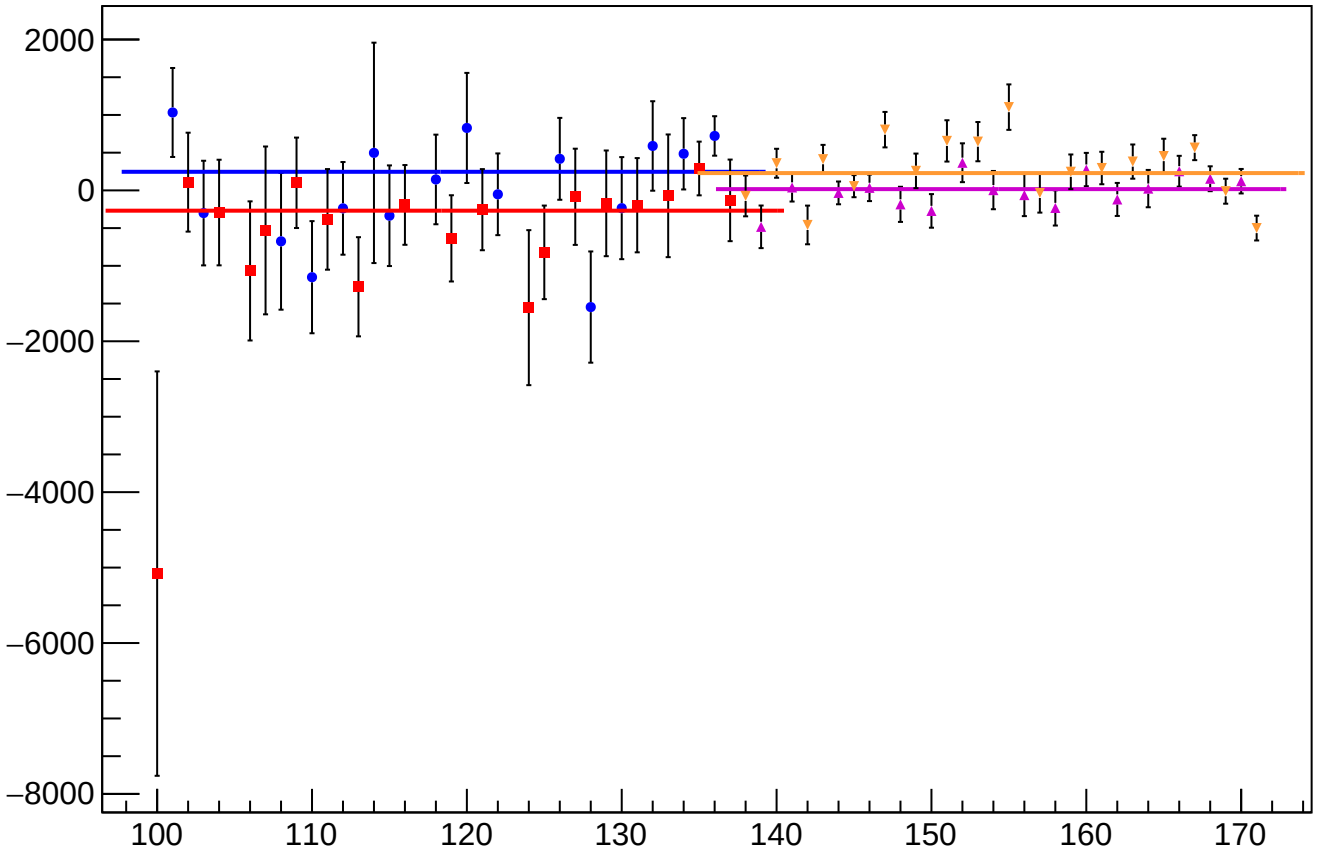
Left: 26.302+/-0.004 χ^2/NDF: 592596.0/33

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 28.348+/-0.005 χ^2/NDF:1470988.4/31

Out: 28.232+/-0.004 χ^2/NDF:1925110.9/36

All: 28.288+/-0.003 χ^2/NDF: 3396429.8/68



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: 16.822+/-51.700 χ^2/NDF:13.0/15

Left: 128.086+/-35.704 χ^2/NDF: 81.0/33

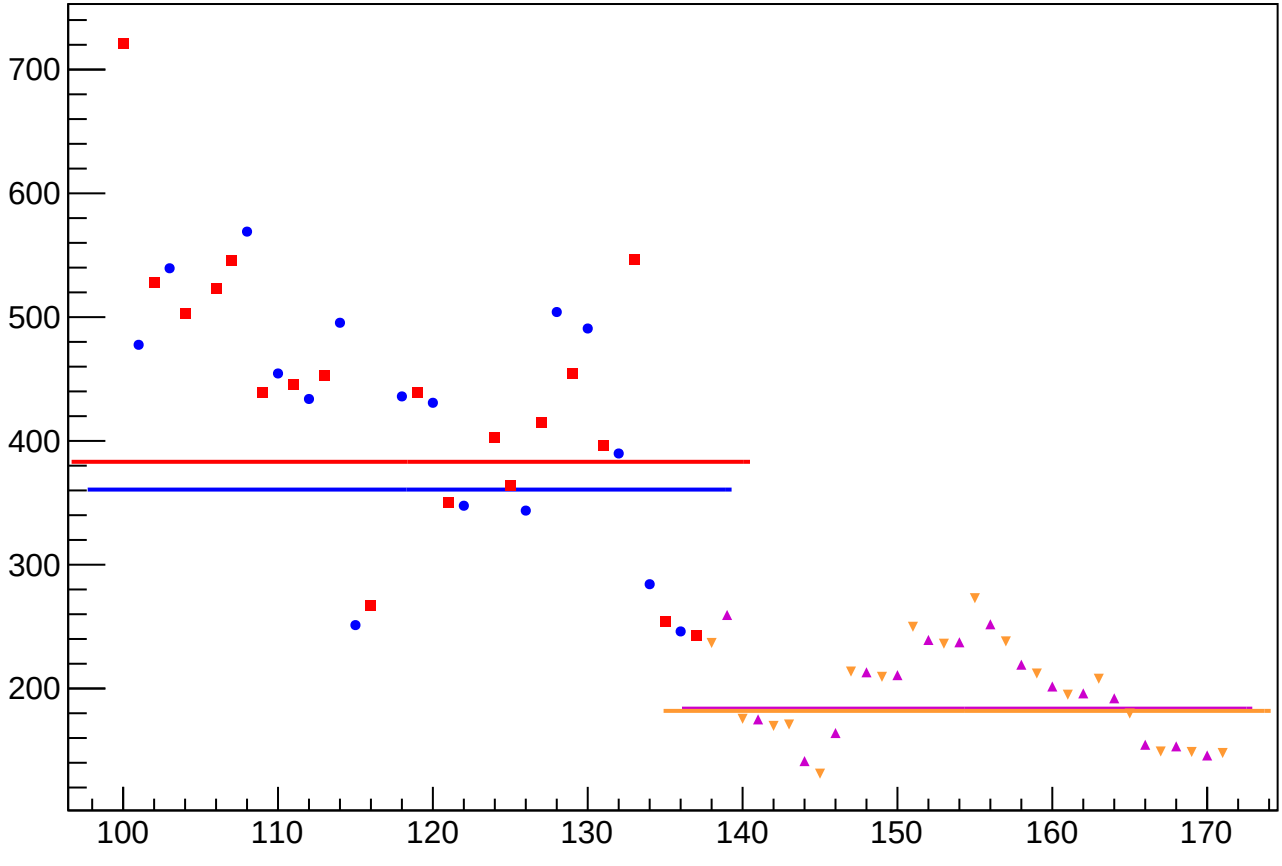
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: 44.291+/-48.510 χ^2/NDF:35.1/31

Out: 177.948+/-46.743 χ^2/NDF:82.3/36

All: 113.598+/-33.660 χ^2/NDF: 121.4/68

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: 183.728+/-0.037 χ^2/NDF:979121.3/15

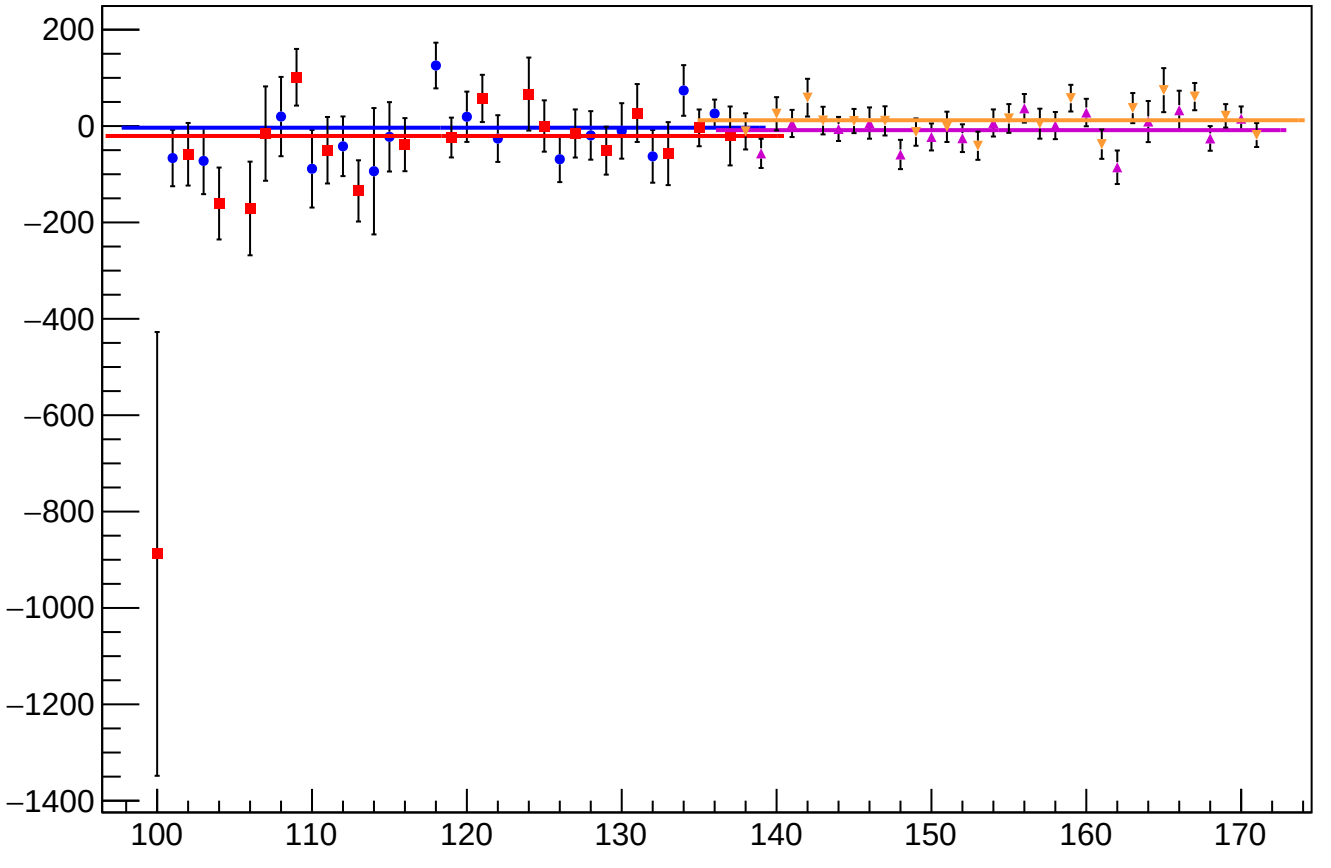
Left: 182.784+/-0.025 χ^2/NDF: 2179792.7/33

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 204.892+/-0.034 χ^2/NDF:4874236.7/31

Out: 202.748+/-0.033 χ^2/NDF:5601021.1/36

All: 203.781+/-0.024 χ^2/NDF: 10477283.6/68



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: -8.499+/-7.367 χ^2/NDF:18.2/15

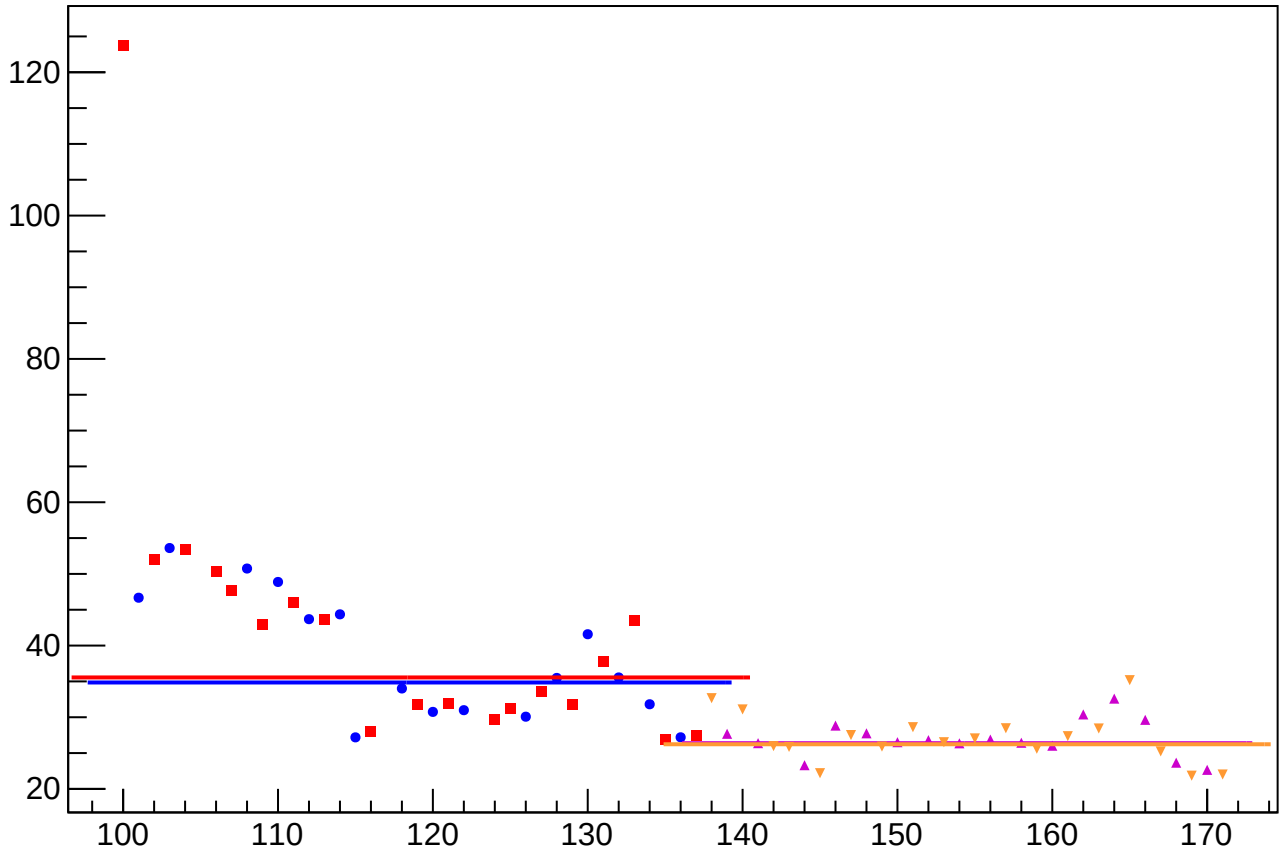
Left: 2.230+/-5.093 χ^2/NDF: 41.1/33

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -7.320+/-6.455 χ^2/NDF:36.7/31

Out: 5.042+/-6.245 χ^2/NDF:46.6/36

All: -0.935+/-4.488 χ^2/NDF: 85.2/68



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: 26.380+/-0.005 χ^2/NDF:198683.4/15

Left: 26.302+/-0.004 χ^2/NDF: 592580.9/33

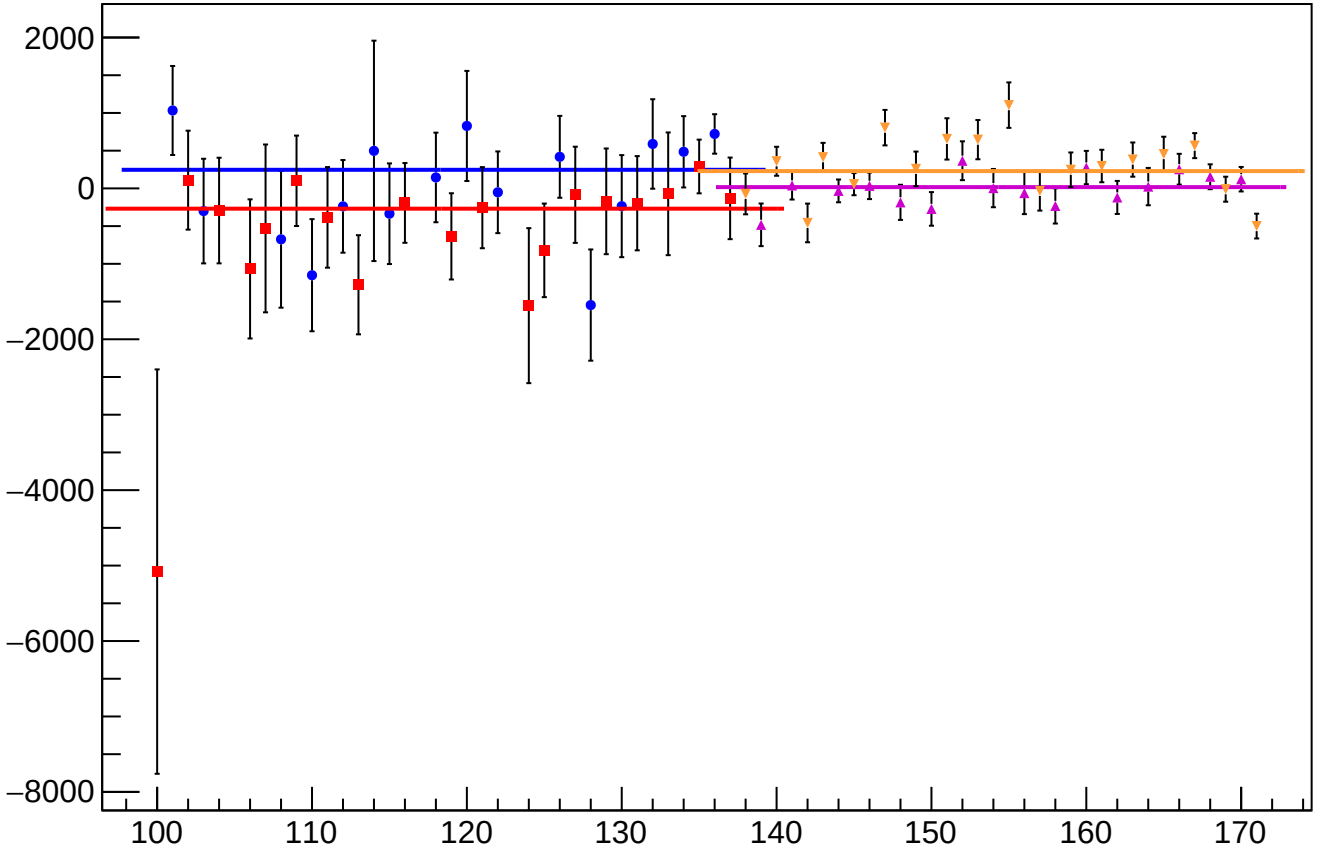
Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 28.348+/-0.005 χ^2/NDF:1470866.8/31

Out: 28.233+/-0.004 χ^2/NDF:1925001.0/36

All: 28.288+/-0.003 χ^2/NDF: 3396198.0/68

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



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: 16.823+/-51.700 χ^2/NDF:13.0/15

Left: 128.086+/-35.704 χ^2/NDF: 81.0/33

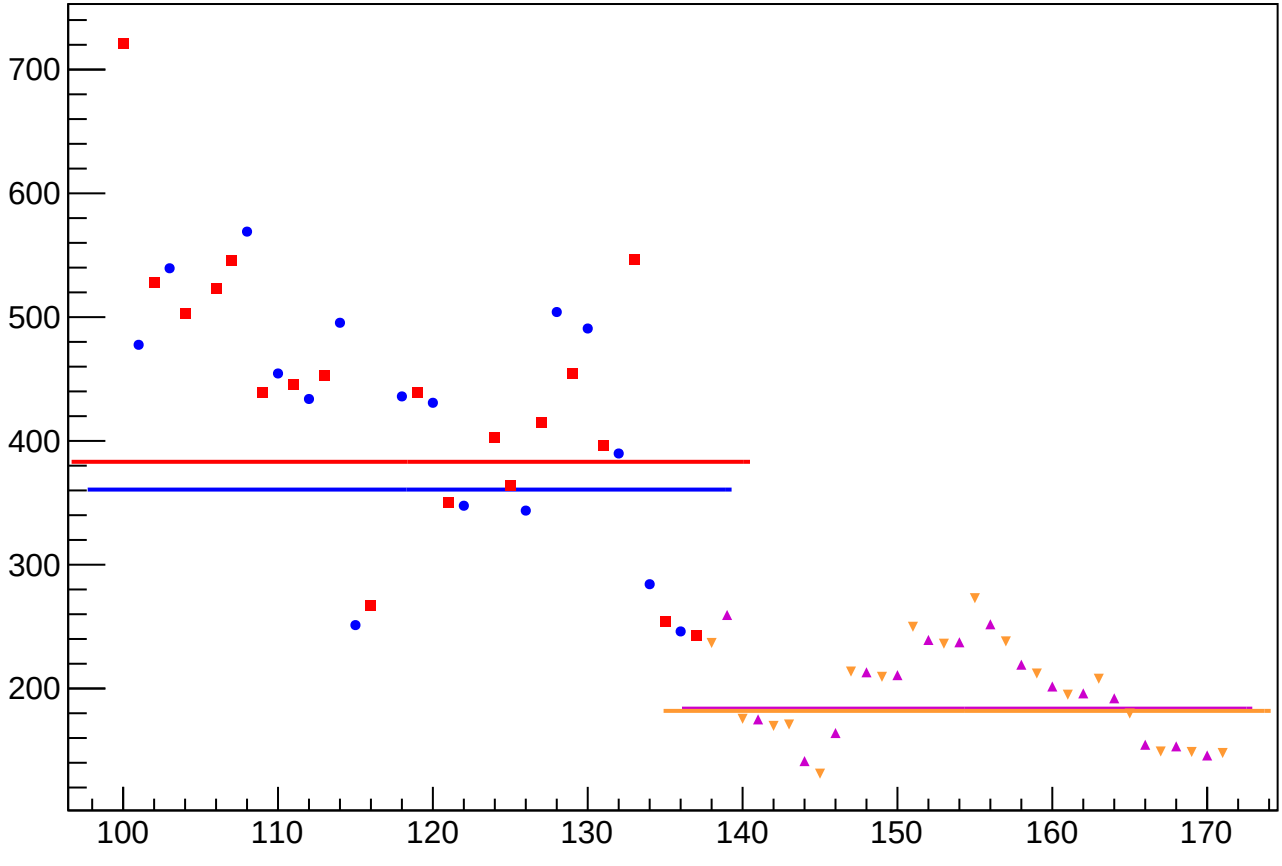
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: 44.291+/-48.510 χ^2/NDF:35.1/31

Out: 177.947+/-46.743 χ^2/NDF:82.3/36

All: 113.598+/-33.660 χ^2/NDF: 121.4/68

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: 183.728+/-0.037 χ^2/NDF:979139.0/15

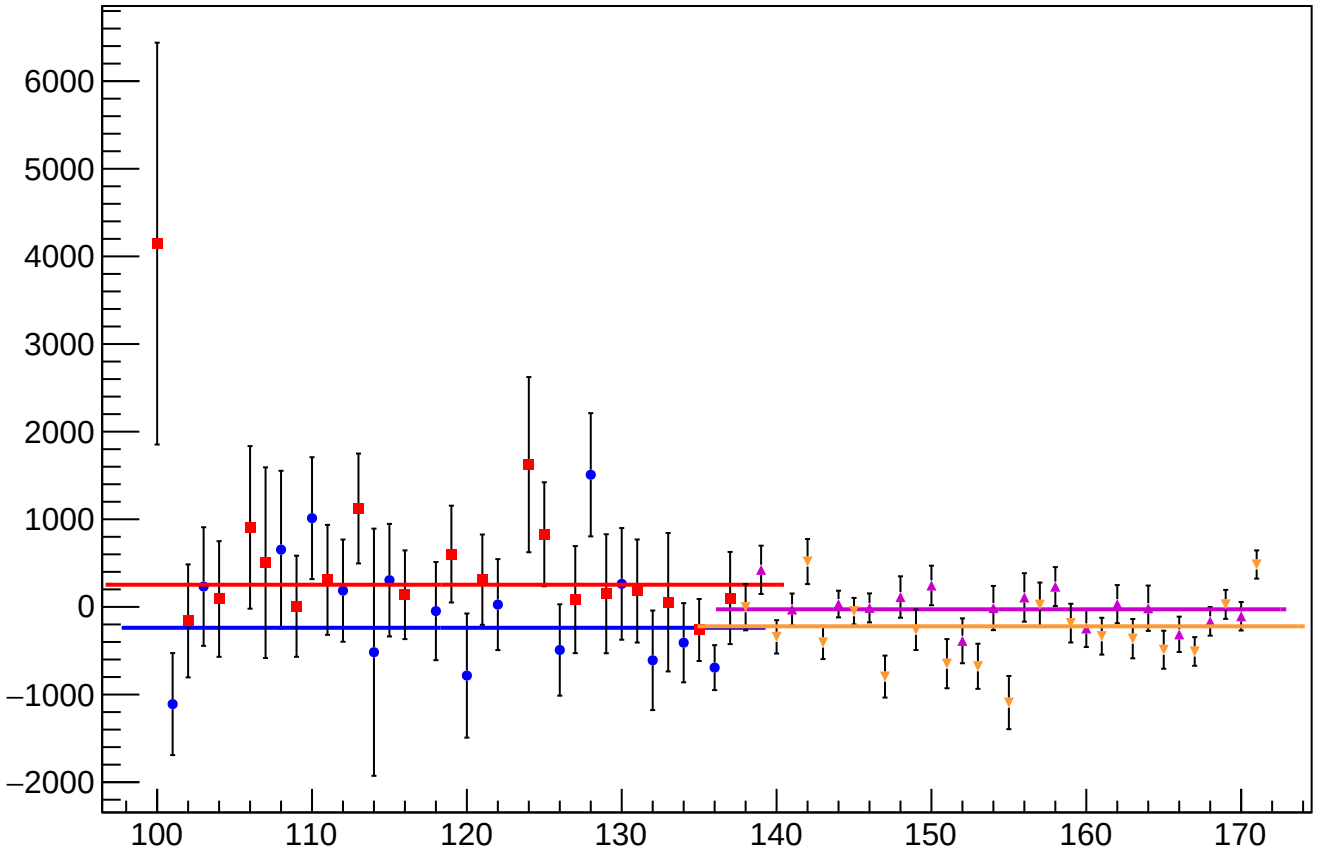
Left: 182.784+/-0.025 χ^2/NDF: 2179838.4/33

Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 204.892+/-0.034 χ^2/NDF:4874254.3/31

Out: 202.748+/-0.033 χ^2/NDF:5601054.4/36

All: 203.780+/-0.024 χ^2/NDF: 10477334.5/68



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: -27.243+/-51.091 χ^2/NDF:12.3/15

Left: -128.226+/-35.381 χ^2/NDF: 78.5/33

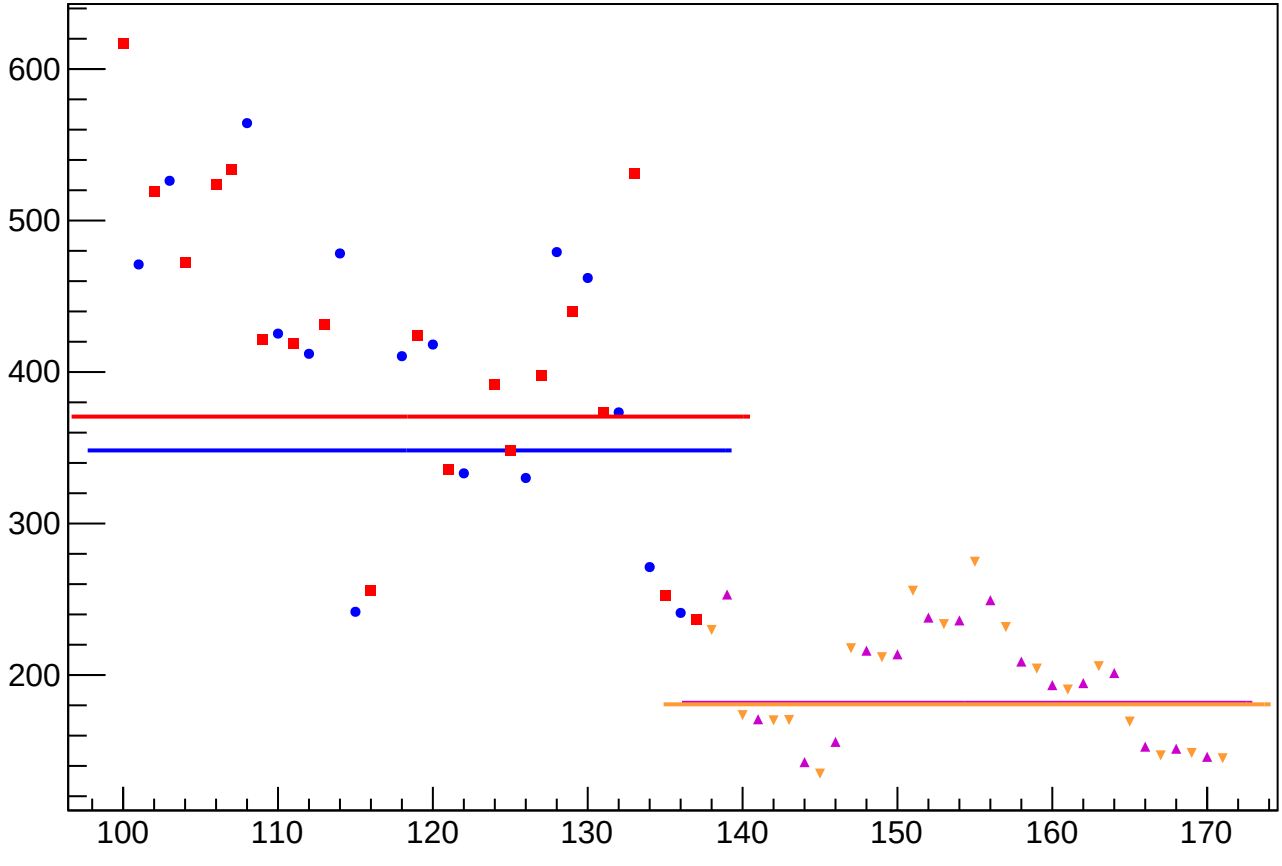
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: -53.534+/-47.799 χ^2/NDF:34.4/31

Out: -169.658+/-46.300 χ^2/NDF:80.6/36

All: -113.446+/-33.256 χ^2/NDF: 118.0/68

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



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: 181.674+/-0.036 χ^2/NDF:975647.9/15

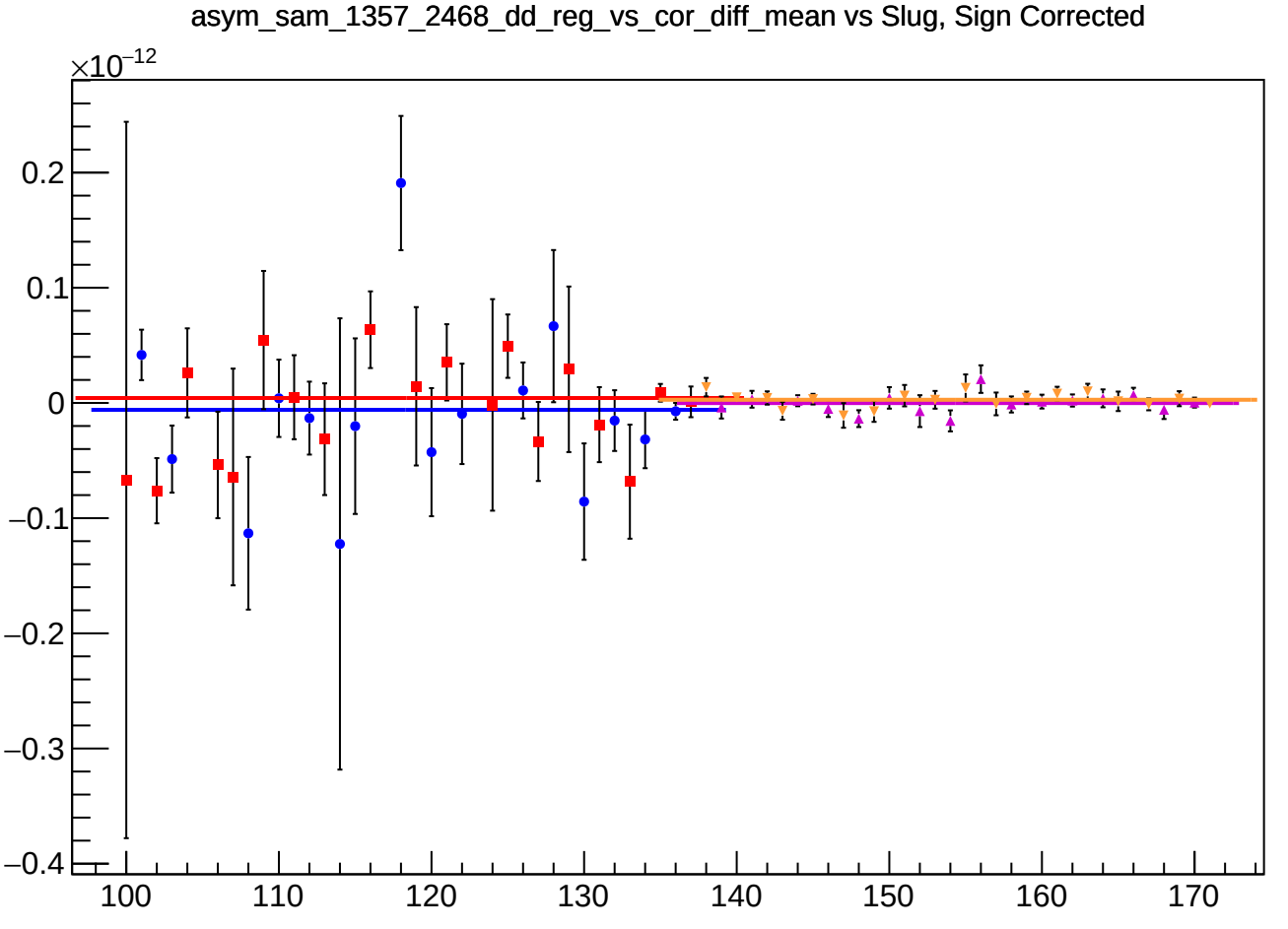
Left: 181.150+/-0.025 χ^2/NDF: 2140834.5/33

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 202.449+/-0.034 χ^2/NDF:4684059.7/31

Out: 201.316+/-0.033 χ^2/NDF:5343735.5/36

All: 201.865+/-0.024 χ^2/NDF: 10028375.4/68



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:13.1/15

Left: 0.000+/-0.000 χ^2/NDF: 26.0/33

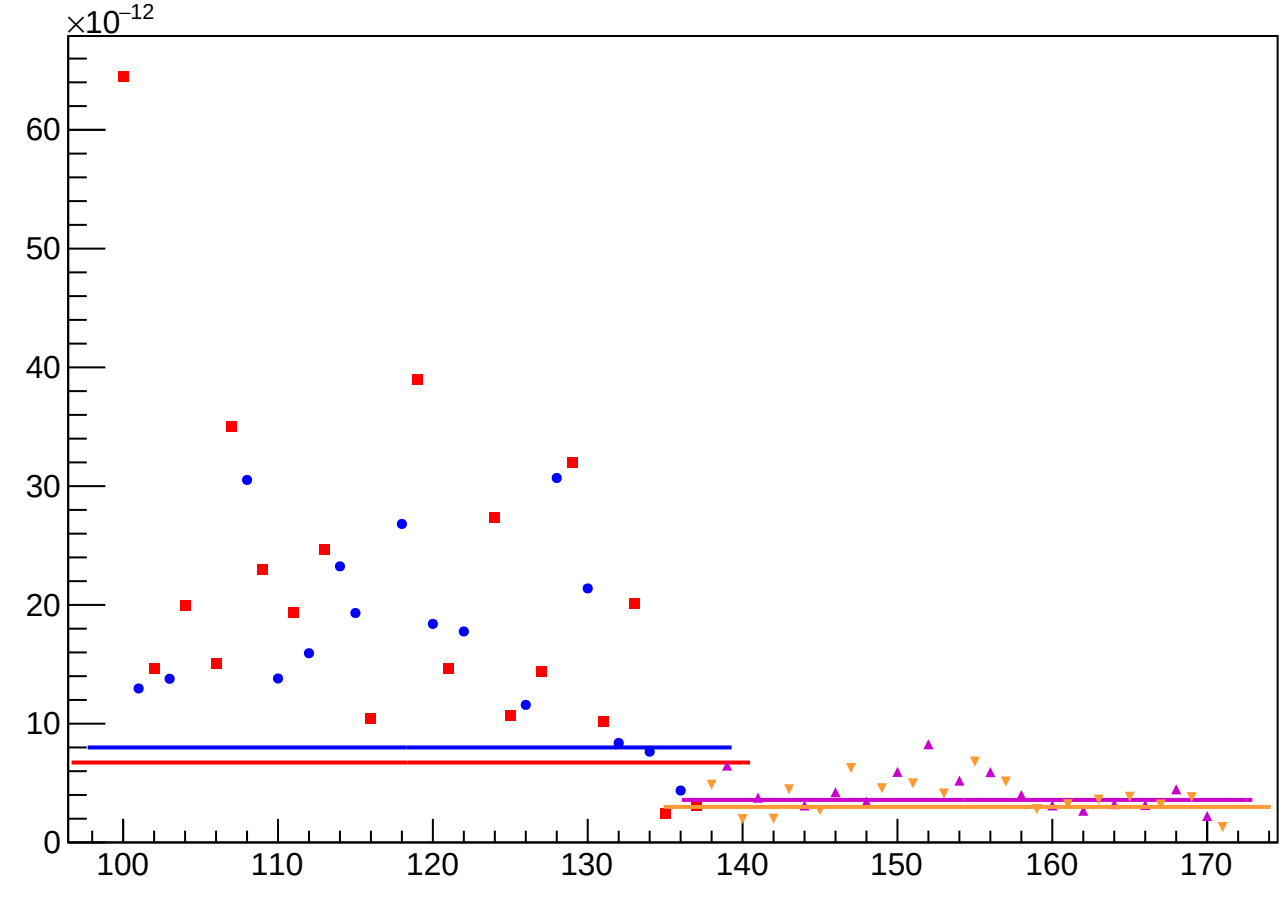
Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:41.4/31

Out: 0.000+/-0.000 χ^2/NDF:34.2/36

All: 0.000+/-0.000 χ^2/NDF: 78.2/68

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:1029171.6/15

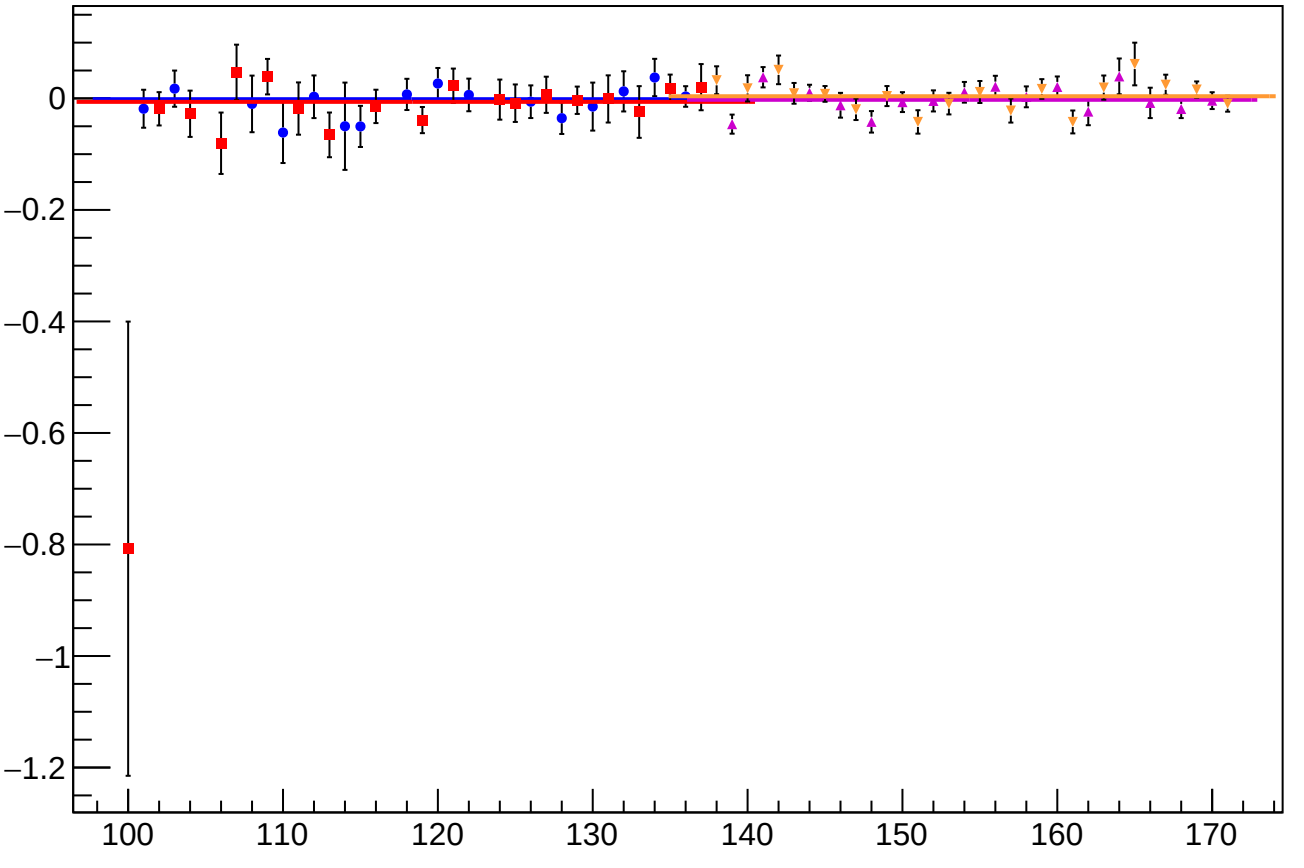
Left: 0.000+/-0.000 χ^2/NDF: 2787228.5/33

Right: 0.000+/-0.000 χ^2/NDF: 5380161.4/34

In: 0.000+/-0.000 χ^2/NDF:4084102.7/31

Out: 0.000+/-0.000 χ^2/NDF:5846069.6/36

All: 0.000+/-0.000 χ^2/NDF: 10153823.7/68



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: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.5/33

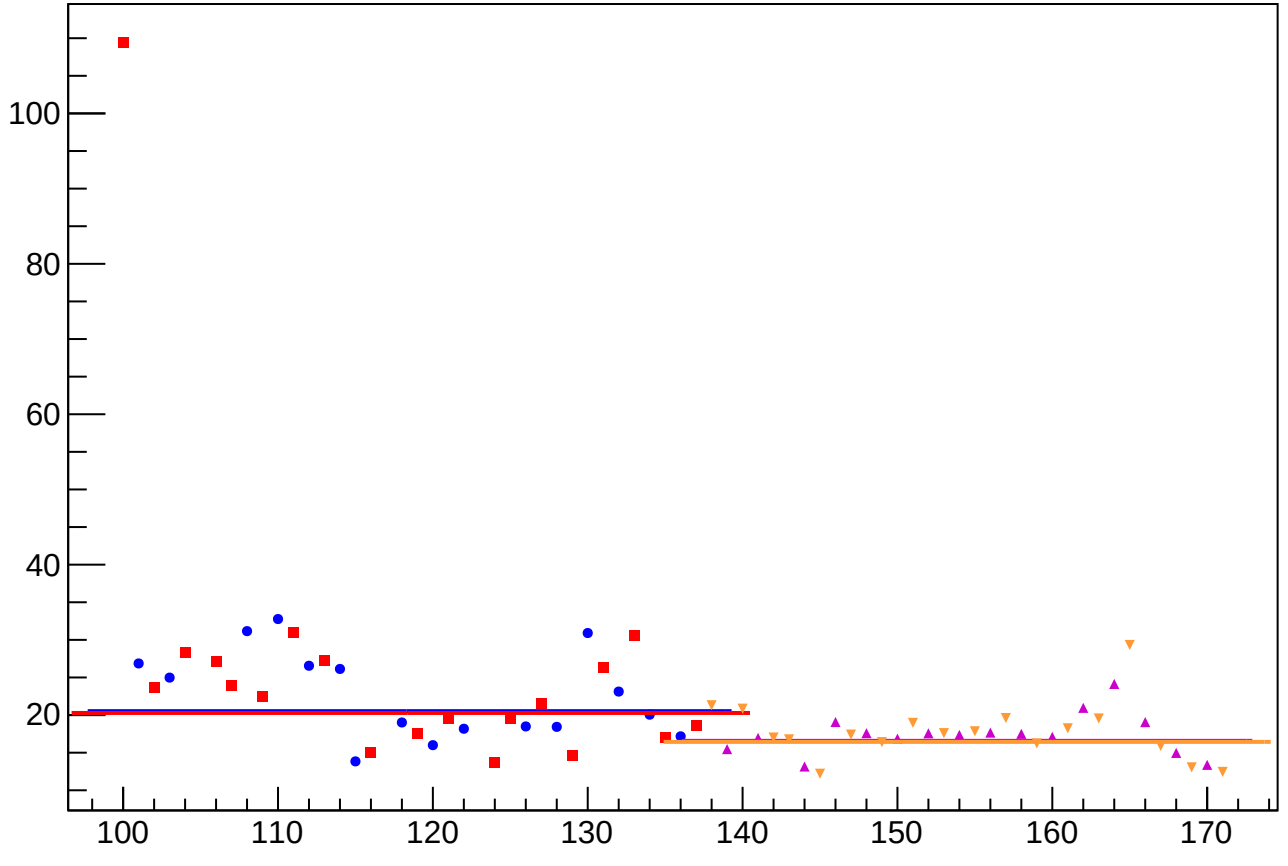
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.000+/-0.003 χ^2/NDF: 74.7/68

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: 16.573+/-0.003 χ^2/NDF:475954.0/15

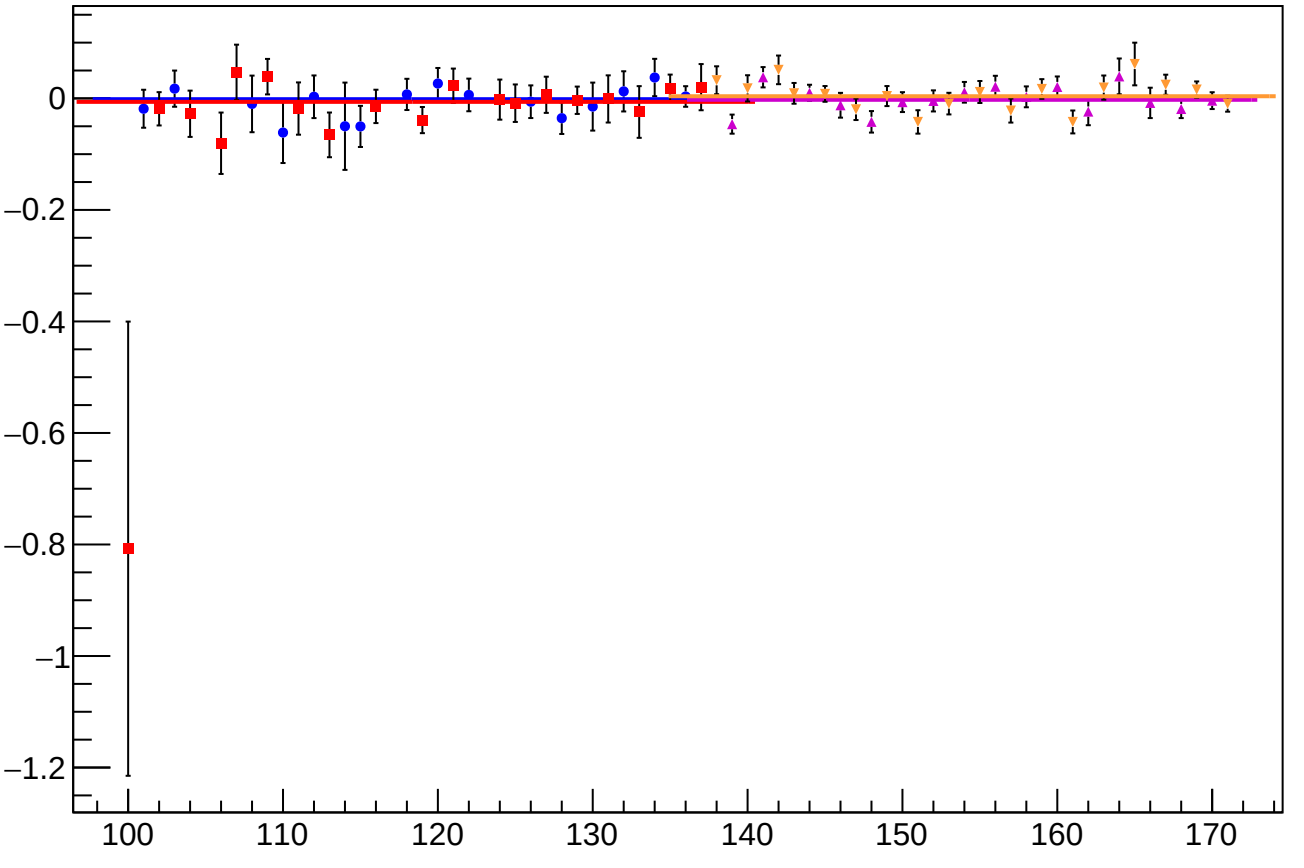
Left: 16.502+/-0.002 χ^2/NDF: 1448928.0/33

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.575+/-0.003 χ^2/NDF:1540102.1/31

Out: 17.381+/-0.003 χ^2/NDF:2195305.6/36

All: 17.475+/-0.002 χ^2/NDF: 3737781.5/68



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: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.5/33

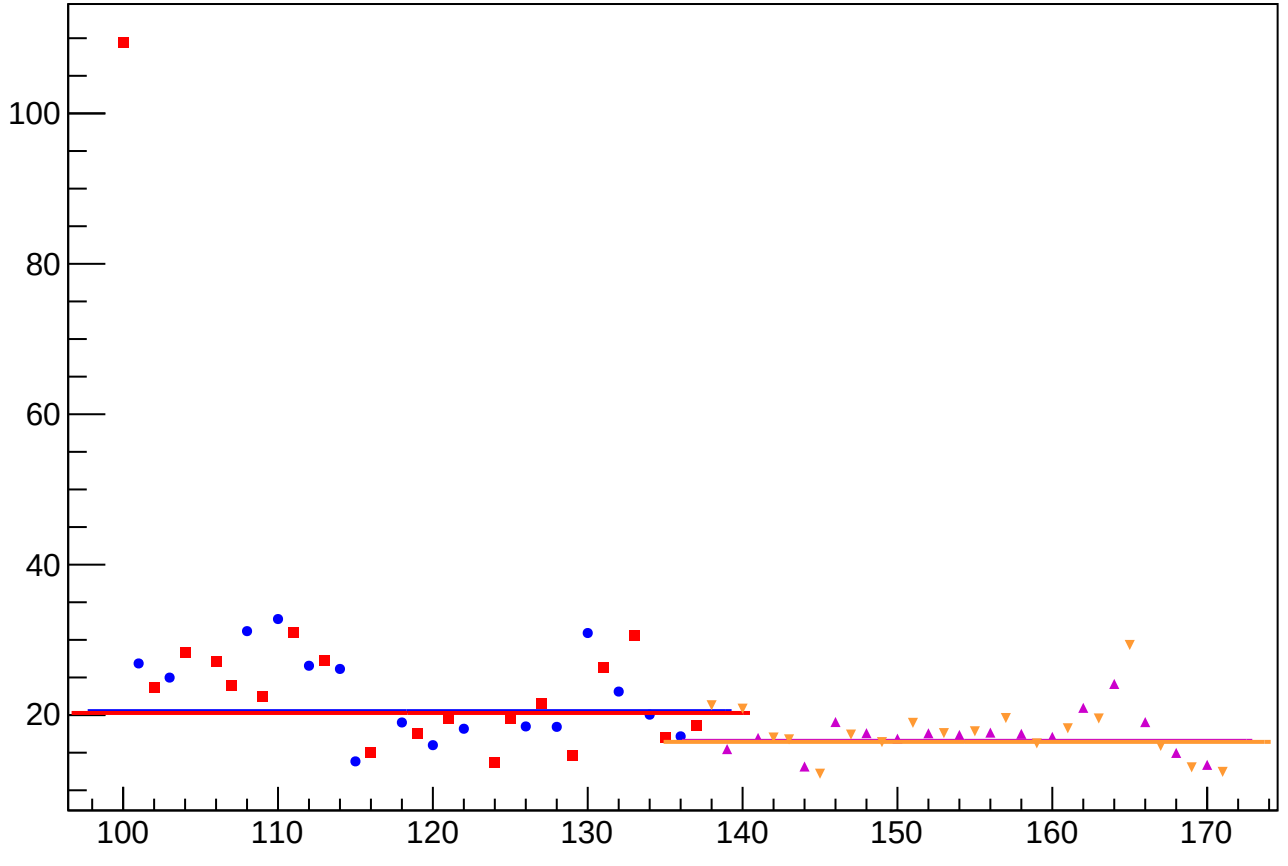
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.000+/-0.003 χ^2/NDF: 74.7/68

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: 16.573+/-0.003 χ^2/NDF:475954.0/15

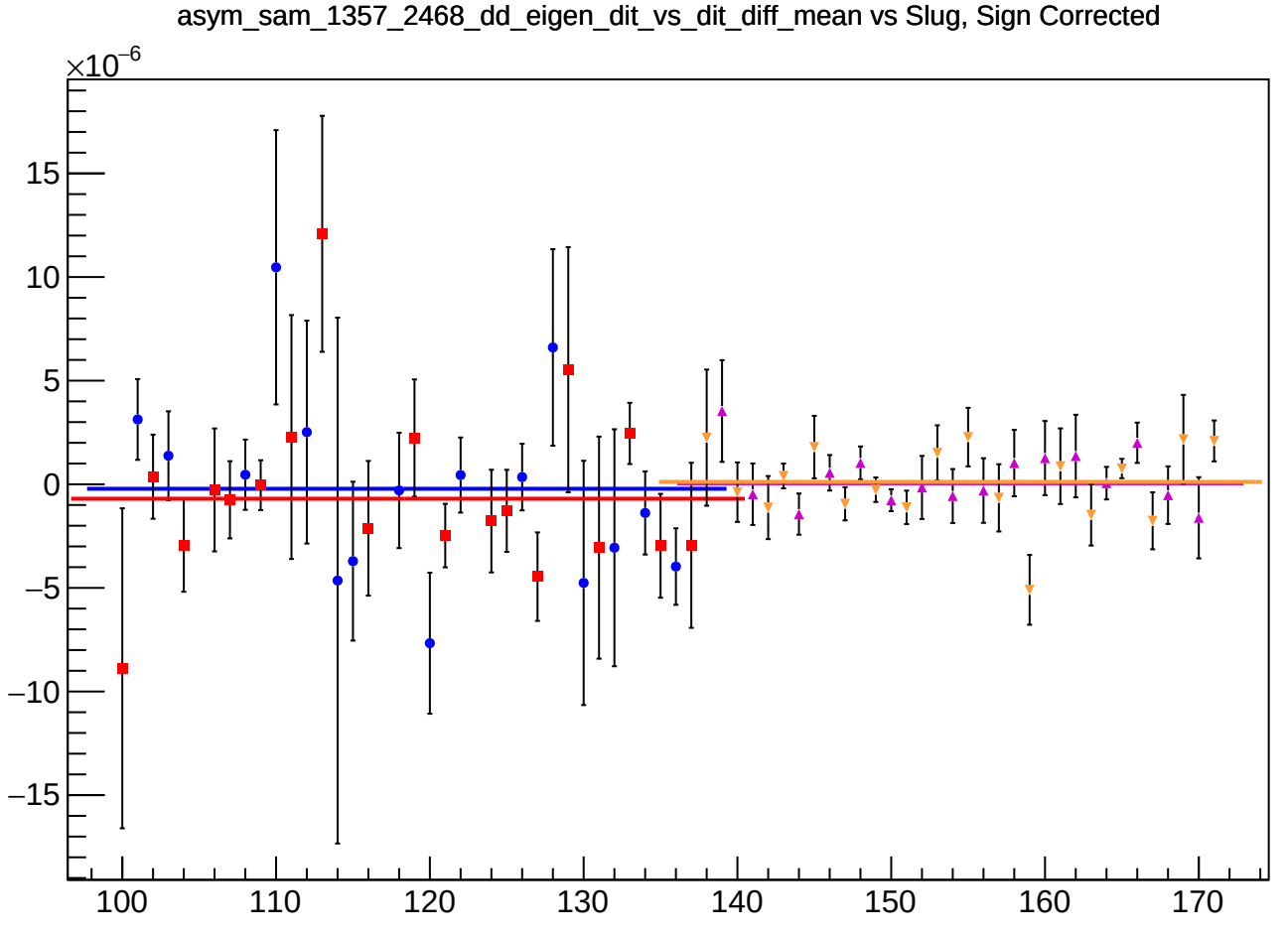
Left: 16.502+/-0.002 χ^2/NDF: 1448928.0/33

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.575+/-0.003 χ^2/NDF:1540102.1/31

Out: 17.381+/-0.003 χ^2/NDF:2195305.6/36

All: 17.475+/-0.002 χ^2/NDF: 3737781.5/68



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:15.1/15

Left: 0.000+/-0.000 χ^2/NDF: 45.6/33

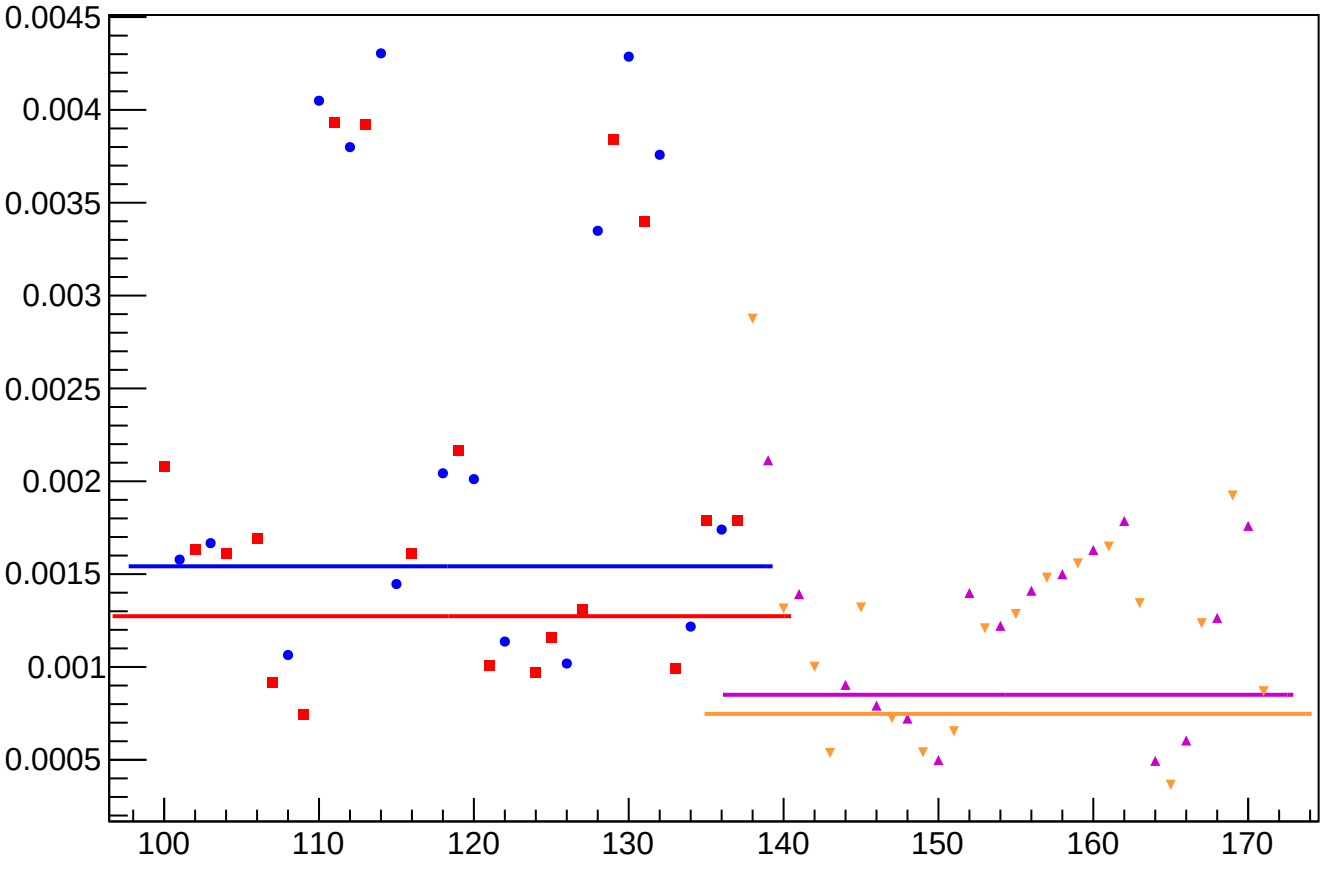
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.2/31

Out: -0.000+/-0.000 χ^2/NDF:53.4/36

All: -0.000+/-0.000 χ^2/NDF: 88.7/68

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:4730367.3/15

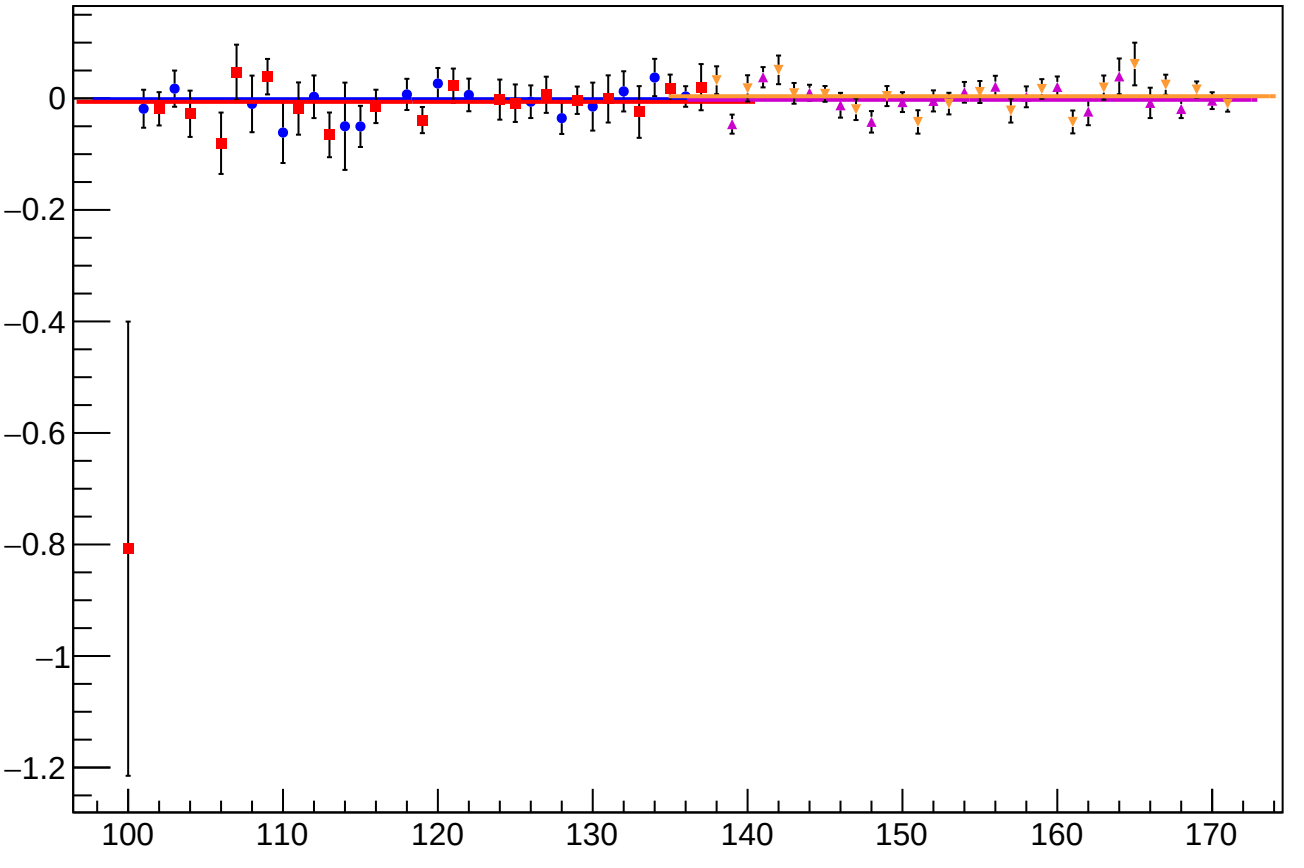
Left: 0.001+/-0.000 χ^2/NDF: 11346952.2/33

Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9187245.0/31

Out: 0.001+/-0.000 χ^2/NDF:10804247.0/36

All: 0.001+/-0.000 χ^2/NDF: 20285149.1/68



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: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.5/33

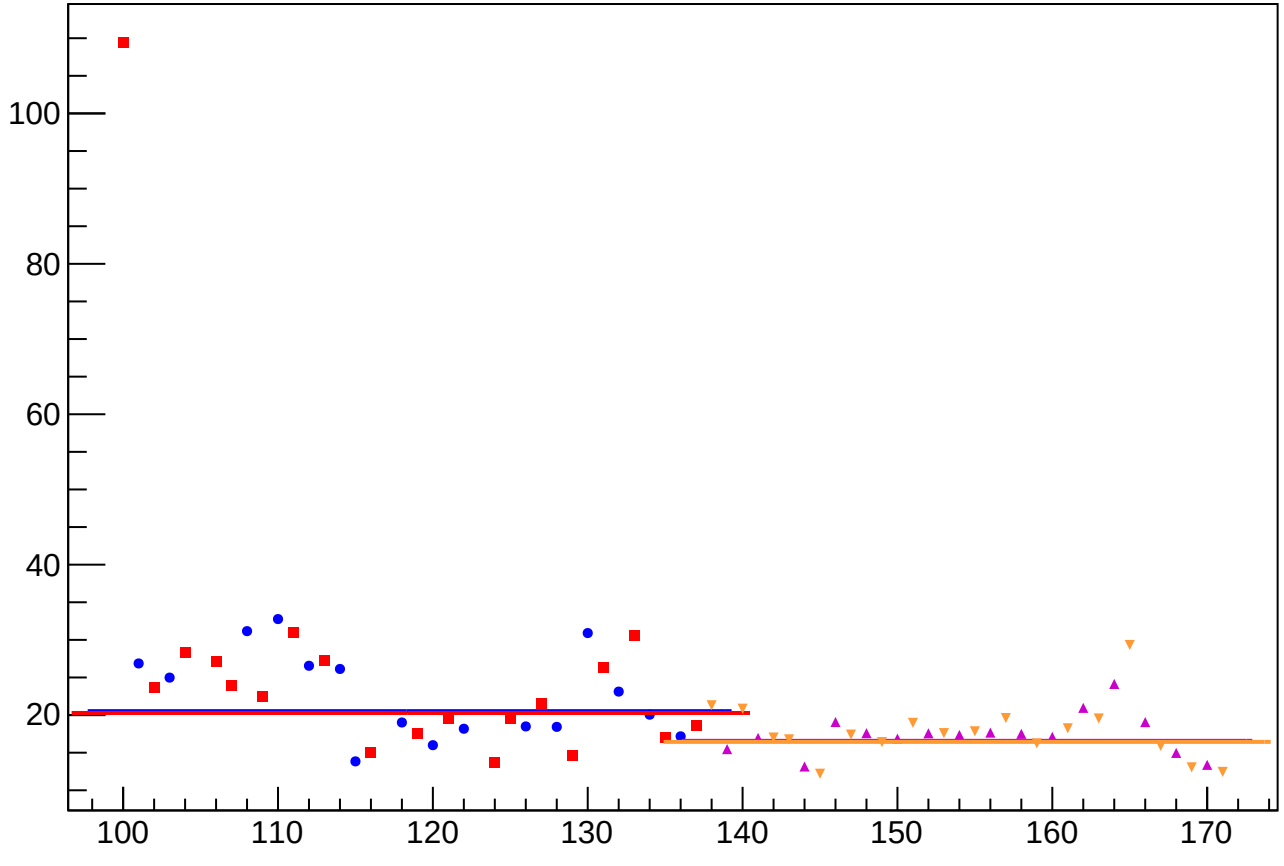
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.000+/-0.003 χ^2/NDF: 74.7/68

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: 16.573+/-0.003 χ^2/NDF:475967.9/15

Left: 16.502+/-0.002 χ^2/NDF: 1448875.9/33

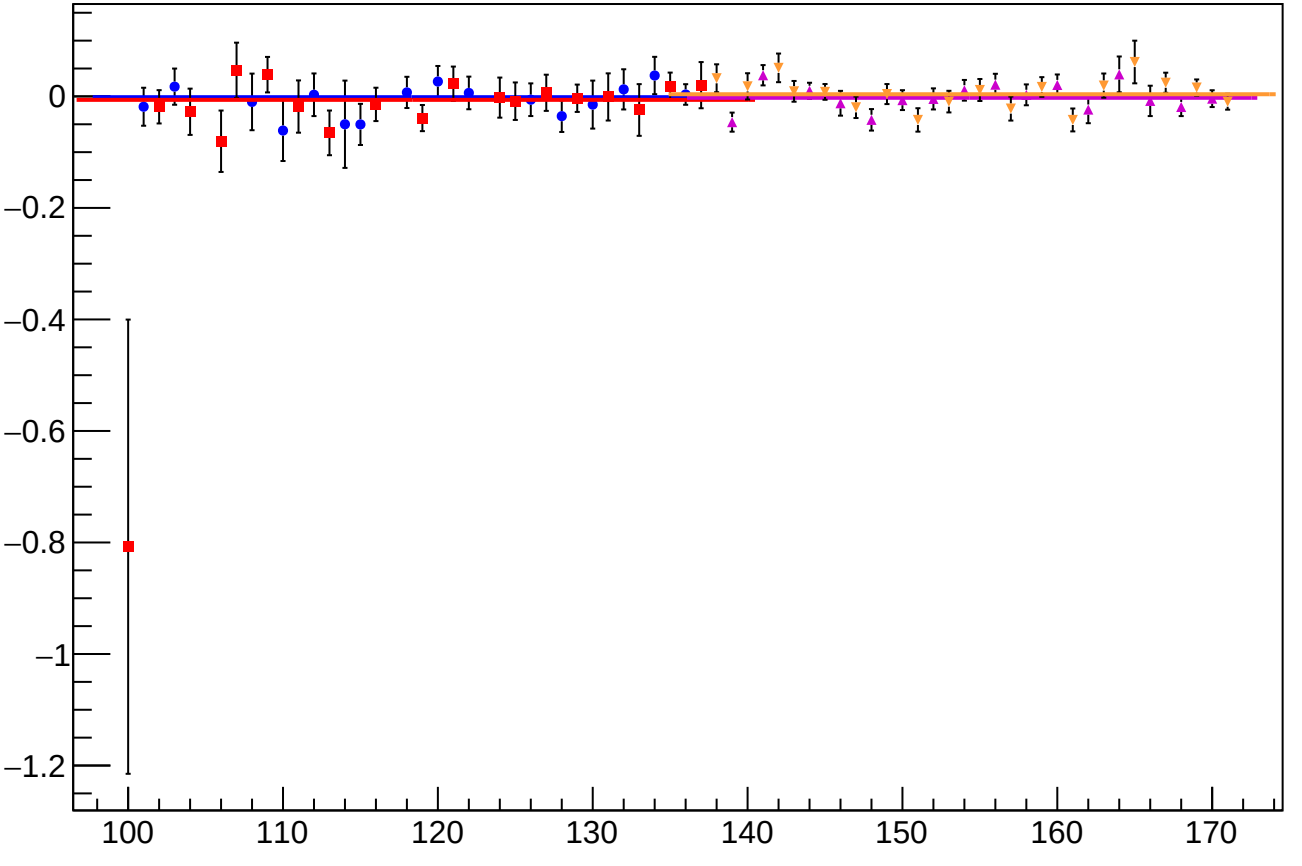
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.575+/-0.003 χ^2/NDF:1539883.6/31

Out: 17.381+/-0.003 χ^2/NDF:2195093.2/36

All: 17.475+/-0.002 χ^2/NDF: 3737349.4/68

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: -0.003+/-0.005 χ^2/NDF:23.7/15

Left: 0.001+/-0.003 χ^2/NDF: 49.5/33

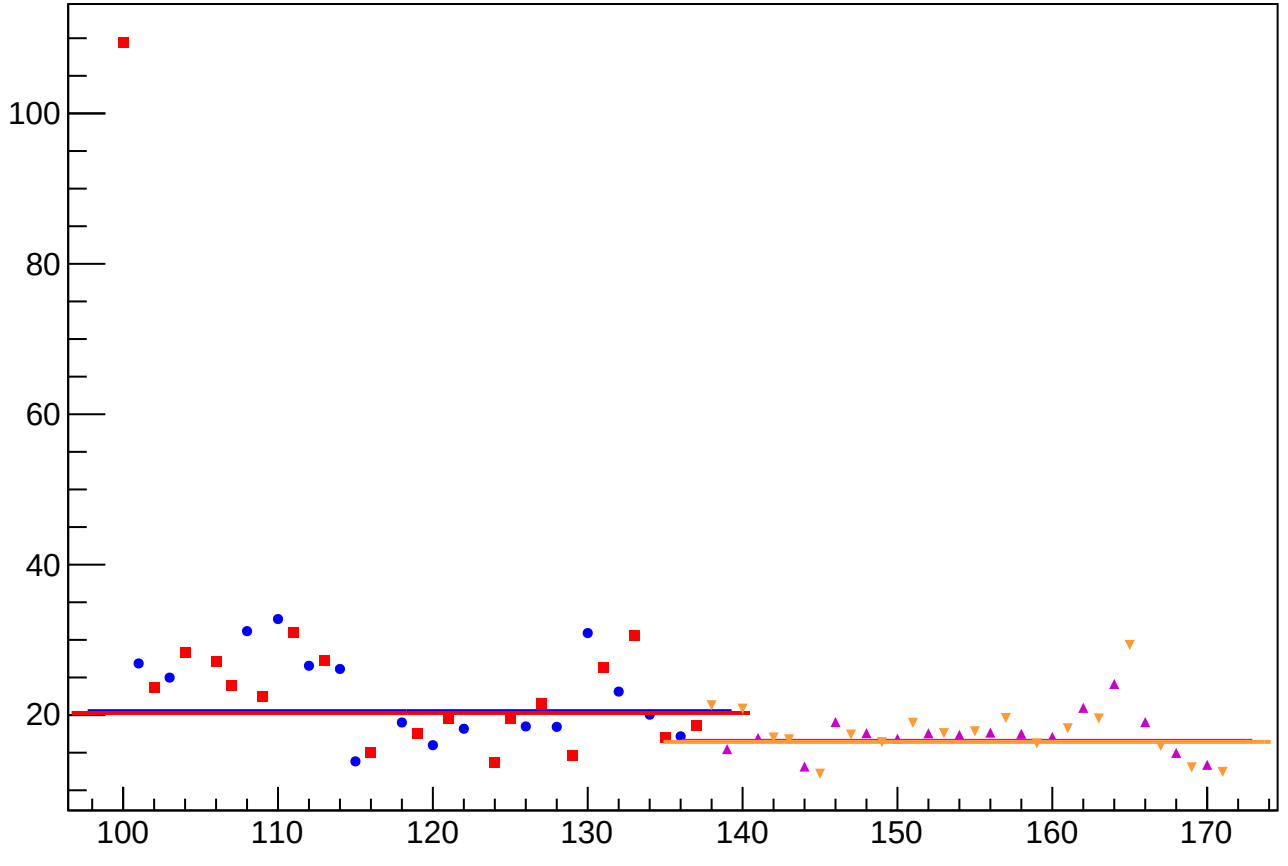
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.002+/-0.004 χ^2/NDF:32.0/31

Out: 0.001+/-0.004 χ^2/NDF:42.3/36

All: -0.000+/-0.003 χ^2/NDF: 74.7/68

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: 16.573+/-0.003 χ^2/NDF:475967.9/15

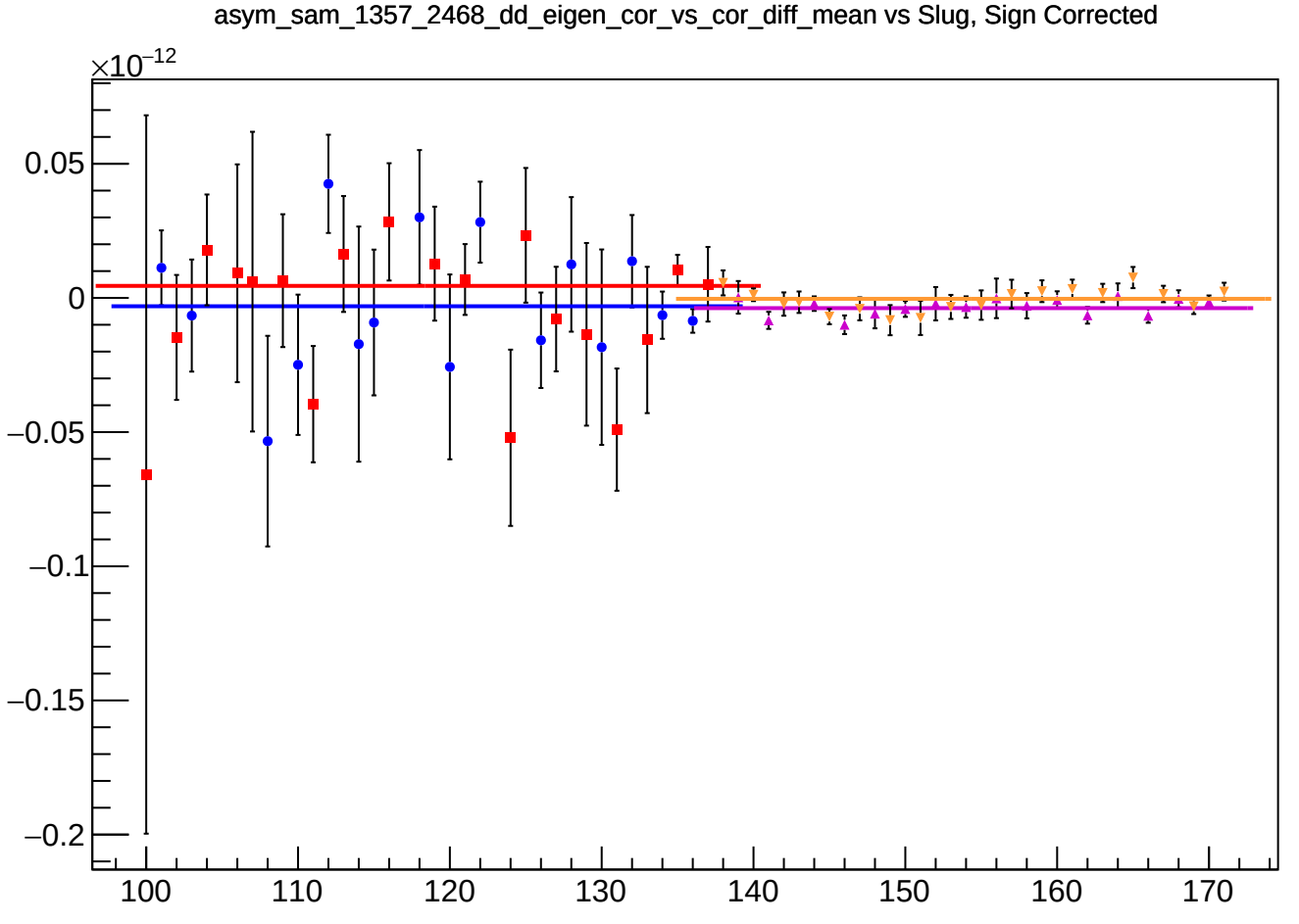
Left: 16.502+/-0.002 χ^2/NDF: 1448875.9/33

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.575+/-0.003 χ^2/NDF:1539883.6/31

Out: 17.381+/-0.003 χ^2/NDF:2195093.2/36

All: 17.475+/-0.002 χ^2/NDF: 3737349.4/68



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:12.4/15

Left: -0.000+/-0.000 χ^2/NDF: 40.8/33

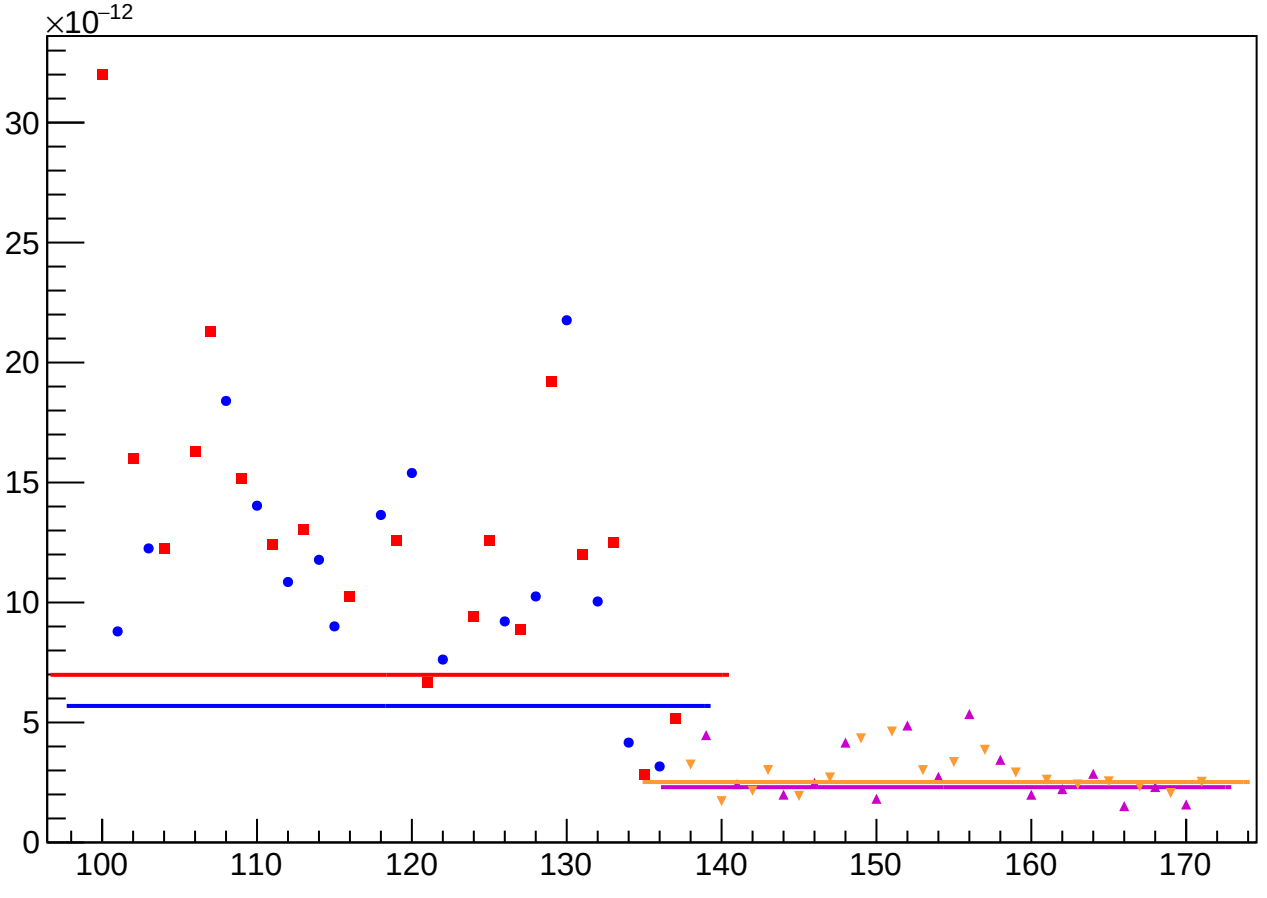
Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:32.4/31

Out: -0.000+/-0.000 χ^2/NDF:40.6/36

All: -0.000+/-0.000 χ^2/NDF: 82.3/68

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1115653.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1807051.7/15

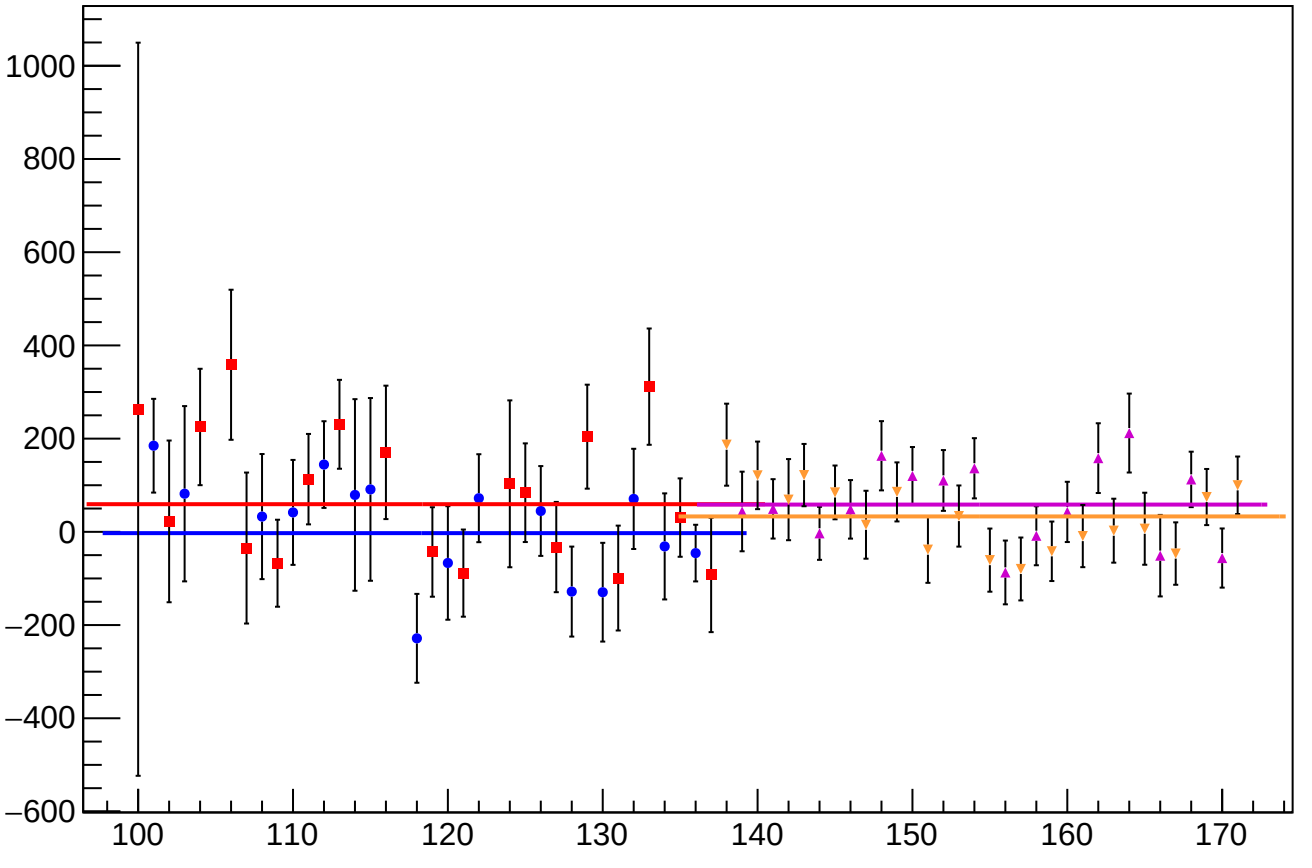
Left: 0.000+/-0.000 χ^2/NDF: 2982506.5/33

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:6528917.8/31

Out: 0.000+/-0.000 χ^2/NDF:6766013.3/36

All: 0.000+/-0.000 χ^2/NDF: 13352907.5/68



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: 58.489+/-16.796 χ^2/NDF:22.7/15

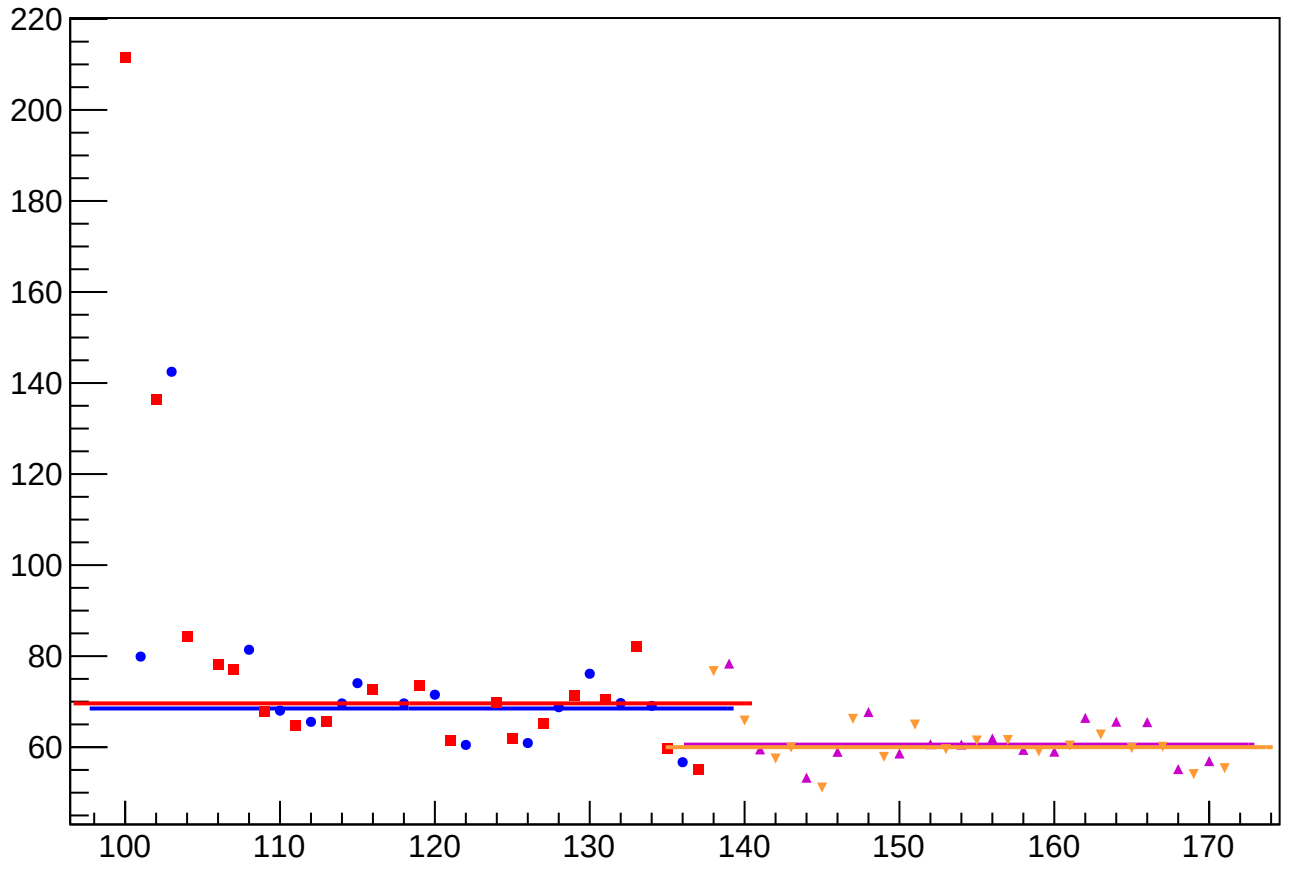
Left: 45.184+/-11.597 χ^2/NDF: 42.8/33

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 40.659+/-14.142 χ^2/NDF:44.3/31

Out: 40.152+/-13.700 χ^2/NDF:45.3/36

All: 40.397+/-9.840 χ^2/NDF: 89.6/68



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: 60.559+/-0.012 χ^2/NDF:193036.1/15

Left: 60.267+/-0.008 χ^2/NDF: 391214.0/33

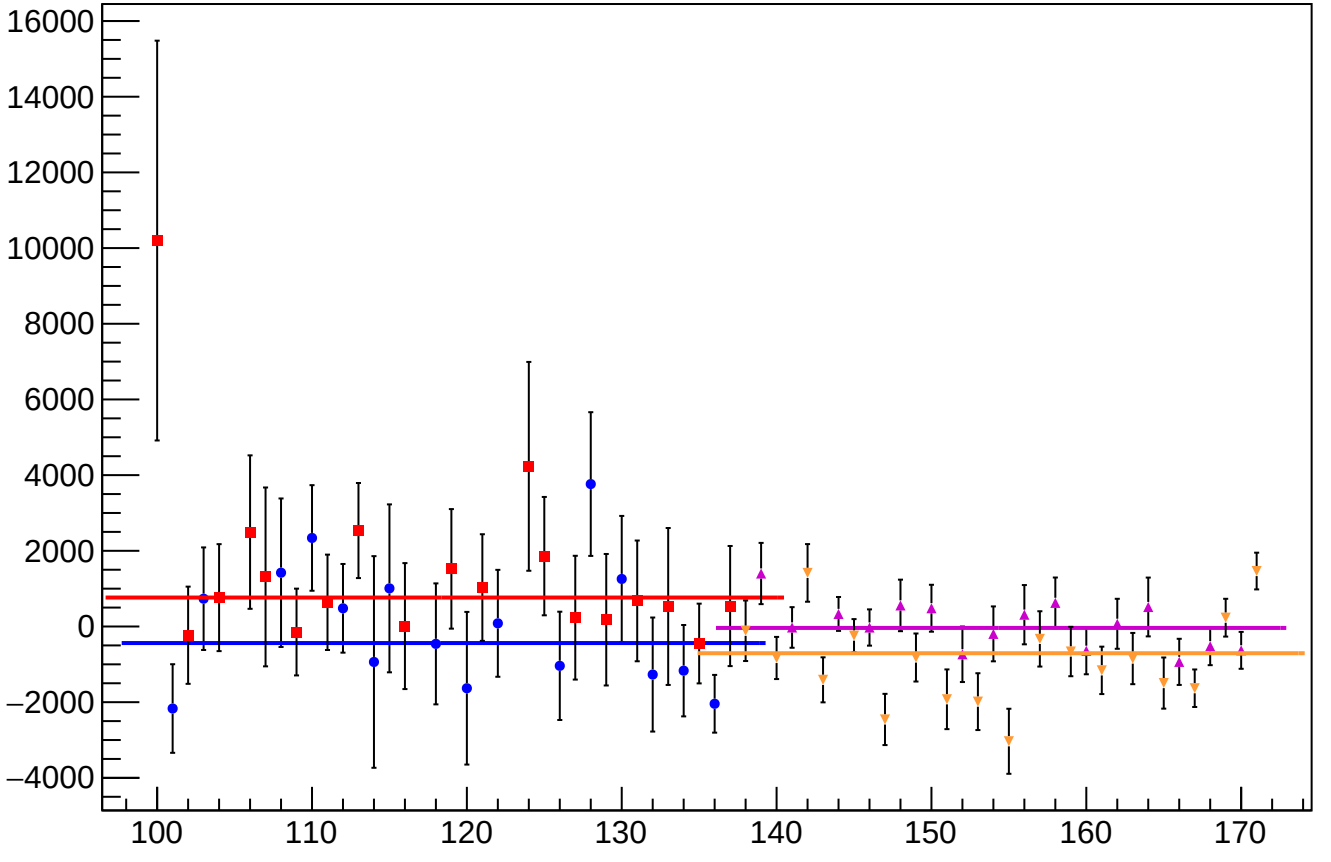
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.870+/-0.010 χ^2/NDF:794977.5/31

Out: 62.595+/-0.010 χ^2/NDF:911567.5/36

All: 62.728+/-0.007 χ^2/NDF: 1706934.6/68

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: -37.880+/-150.498 χ^2/NDF:13.5/15

Left: -384.036+/-104.484 χ^2/NDF: 83.2/33

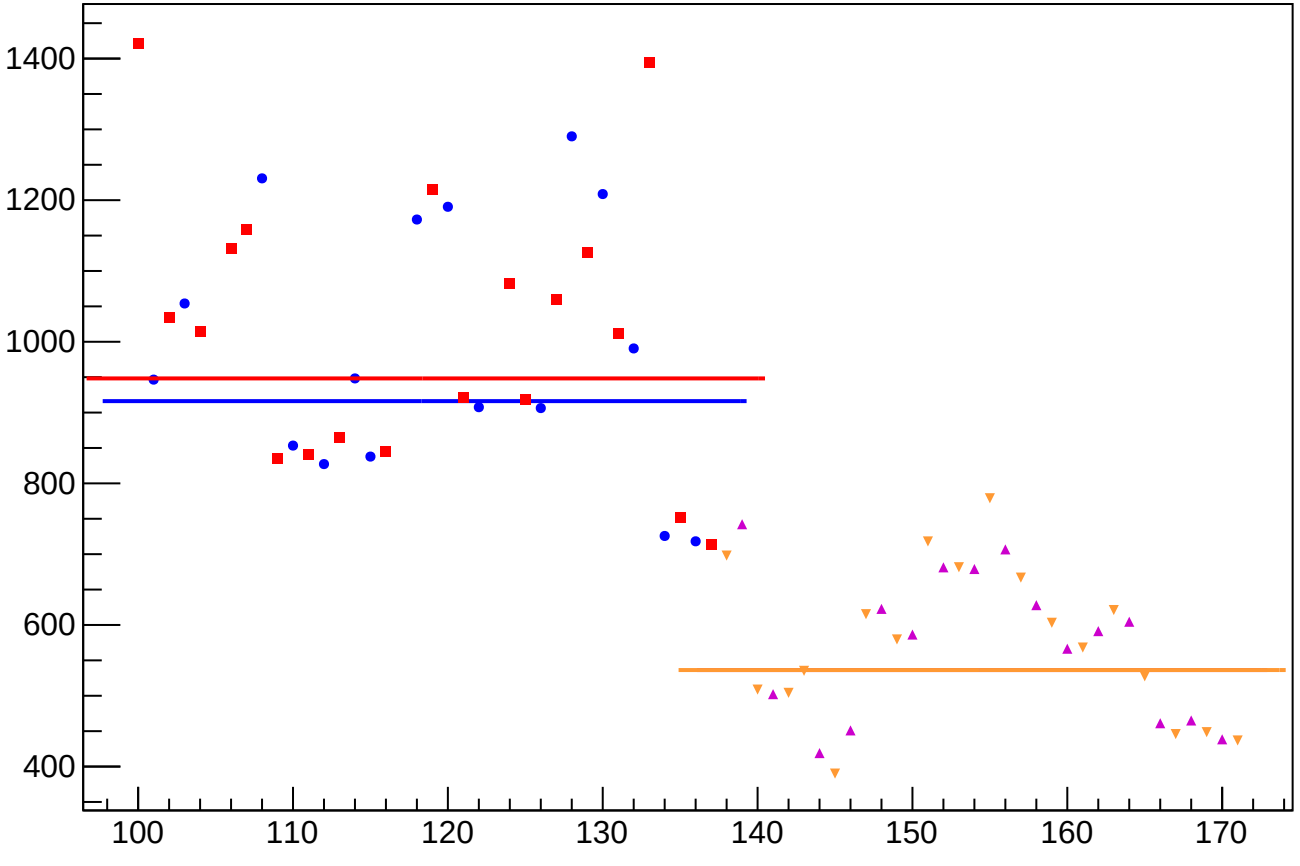
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: -100.568+/-138.189 χ^2/NDF:35.1/31

Out: -493.311+/-134.263 χ^2/NDF:85.7/36

All: -302.598+/-96.296 χ^2/NDF: 125.0/68

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: 536.342+/-0.106 χ^2/NDF:856572.2/15

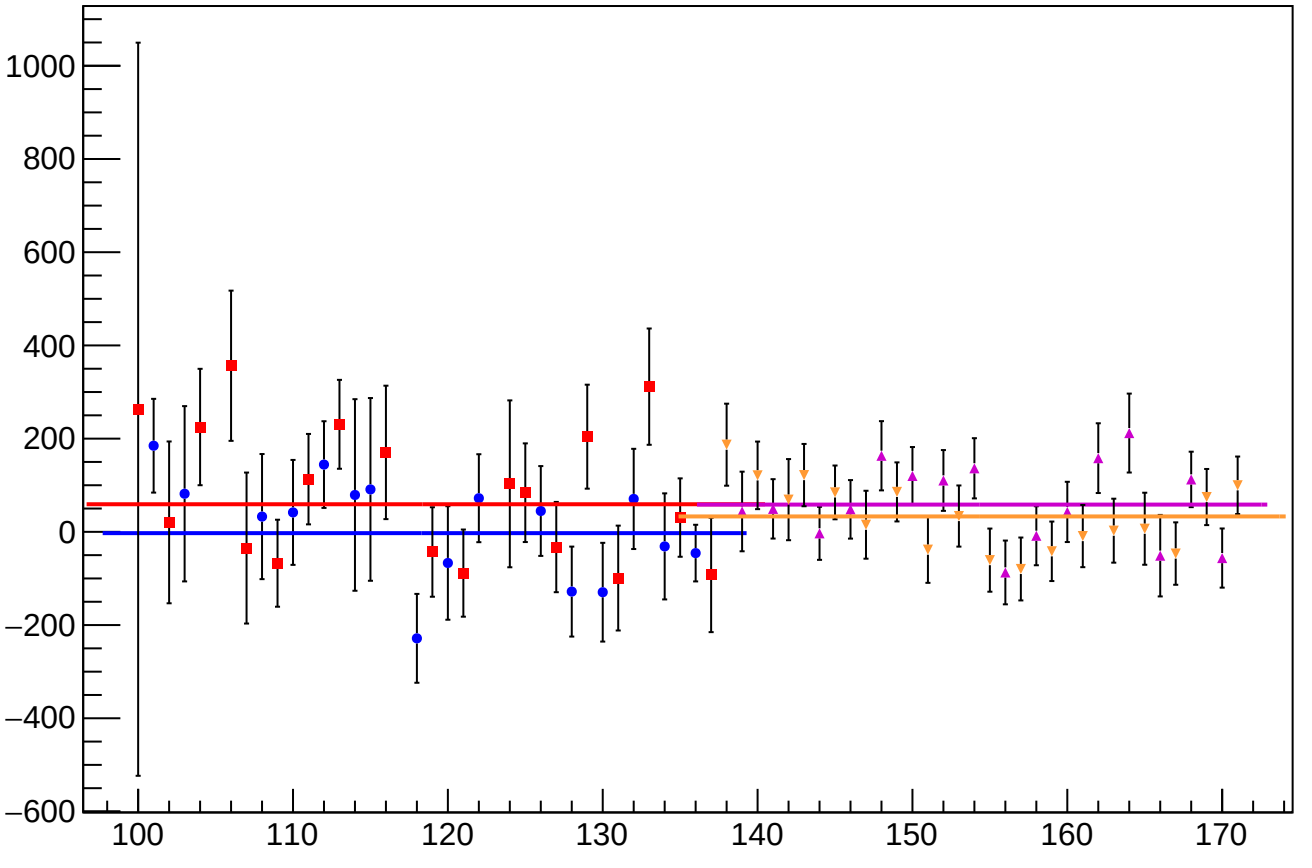
Left: 536.330+/-0.074 χ^2/NDF: 1882070.0/33

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 595.933+/-0.098 χ^2/NDF:3364357.1/31

Out: 595.892+/-0.095 χ^2/NDF:3769465.4/36

All: 595.912+/-0.068 χ^2/NDF: 7133822.6/68



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: 58.487+/-16.796 χ^2/NDF:22.7/15

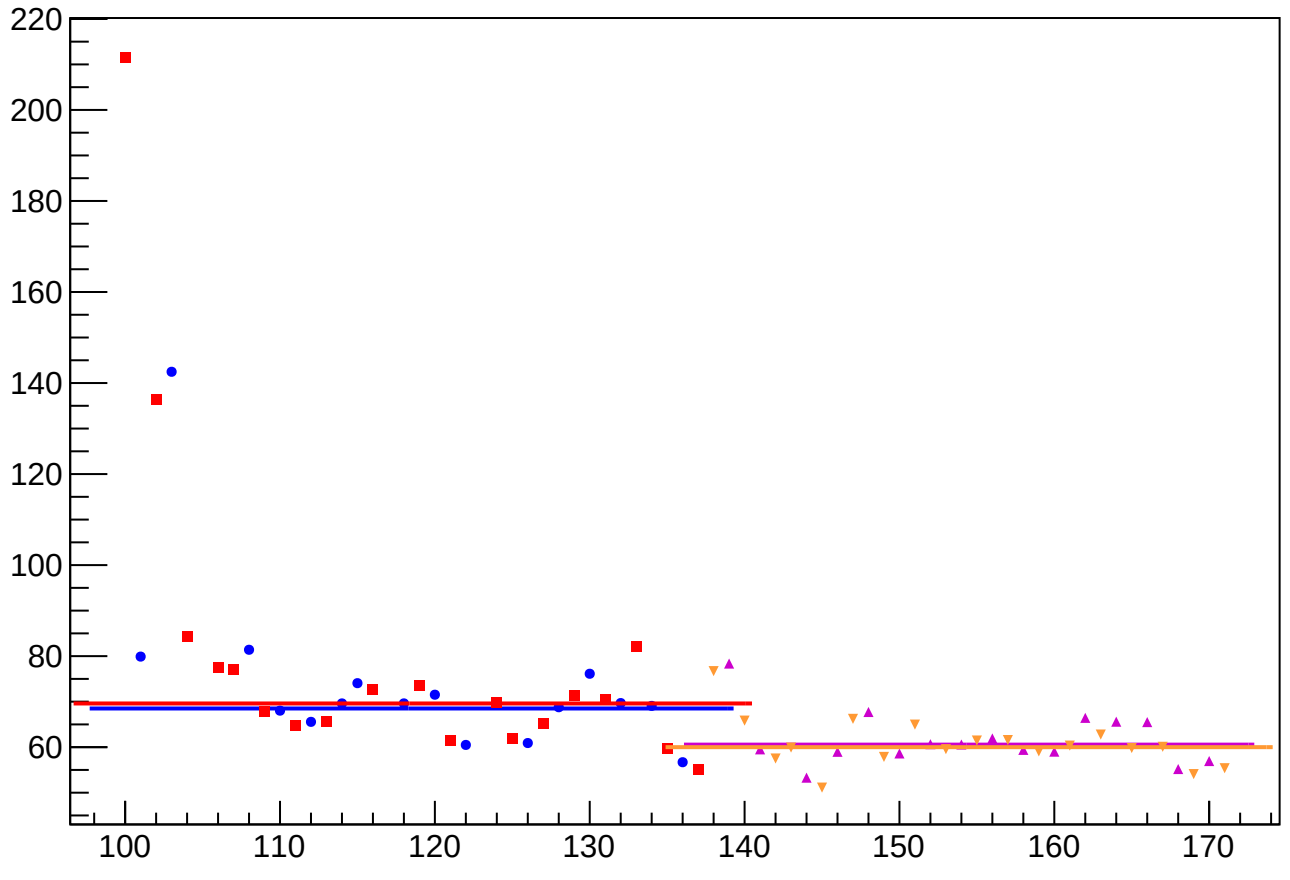
Left: 45.184+/-11.597 χ^2/NDF: 42.8/33

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 40.656+/-14.142 χ^2/NDF:44.3/31

Out: 40.120+/-13.700 χ^2/NDF:45.3/36

All: 40.379+/-9.840 χ^2/NDF: 89.6/68



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: 60.559+/-0.012 χ^2/NDF:193036.1/15

Left: 60.267+/-0.008 χ^2/NDF: 391213.9/33

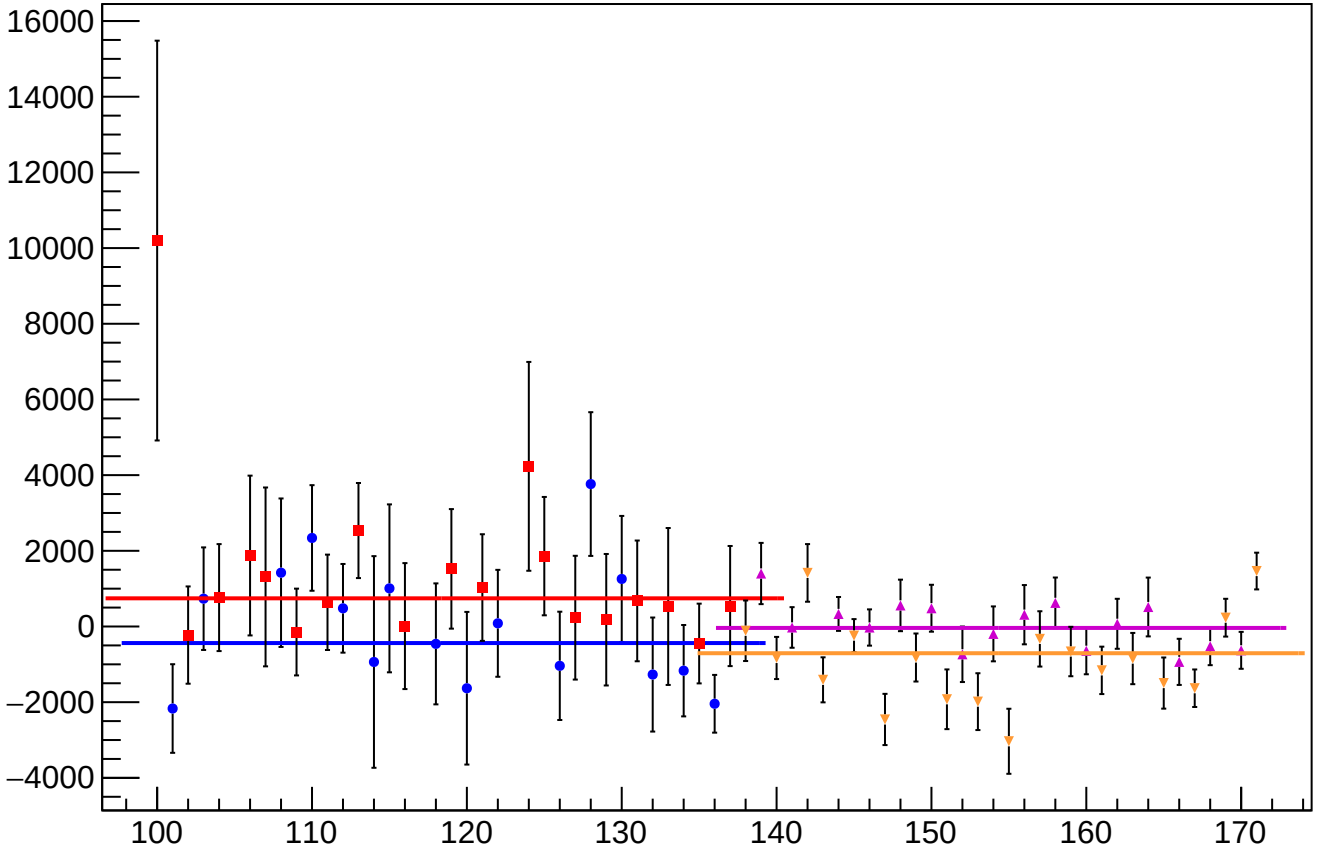
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.870+/-0.010 χ^2/NDF:794980.4/31

Out: 62.590+/-0.010 χ^2/NDF:910164.6/36

All: 62.725+/-0.007 χ^2/NDF: 1705549.9/68

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: -37.879+/-150.498 χ^2/NDF:13.5/15

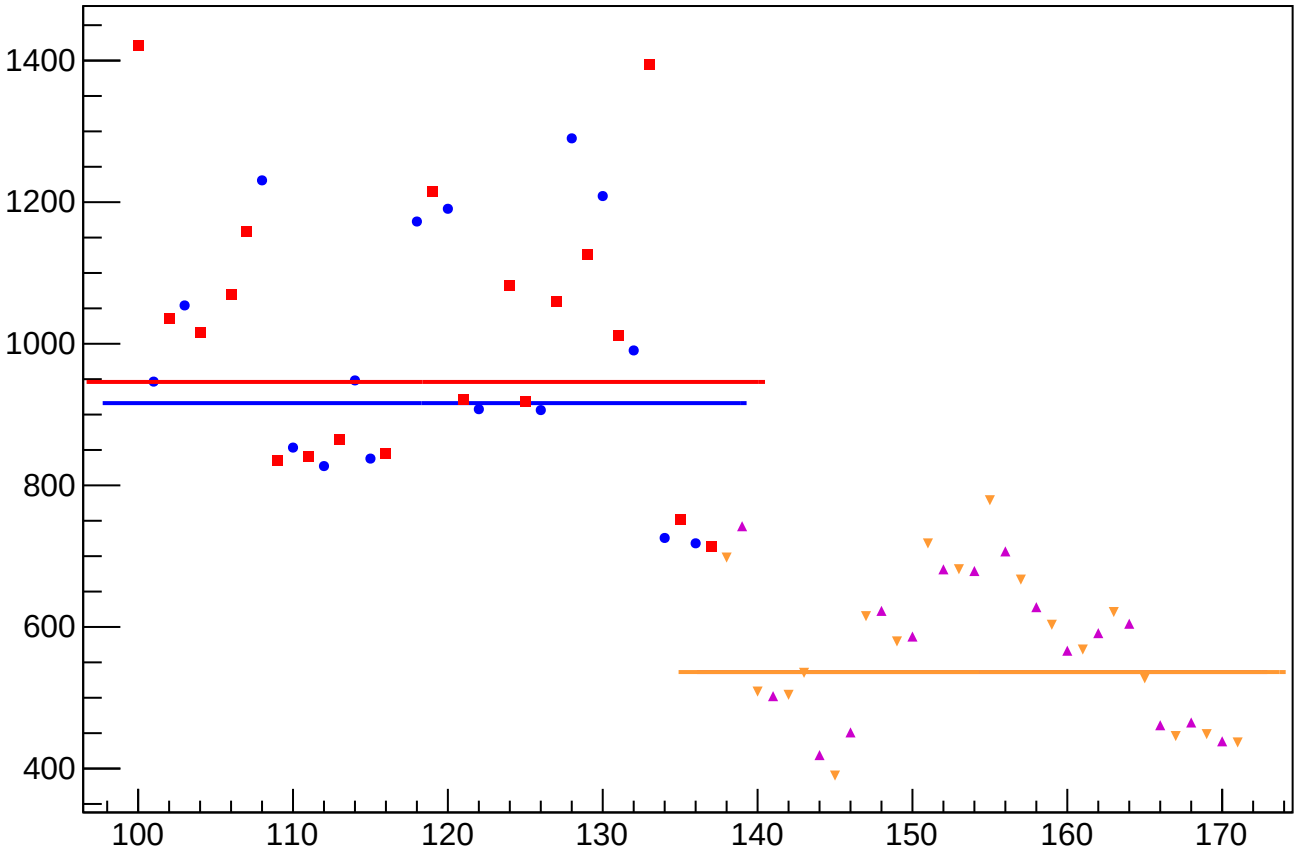
Left: -384.034+/-104.484 χ^2/NDF: 83.2/33

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -100.561+/-138.189 χ^2/NDF:35.1/31

Out: -496.780+/-134.287 χ^2/NDF:84.7/36

All: -304.344+/-96.305 χ^2/NDF: 124.1/68



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: 536.342+/-0.106 χ^2/NDF:856570.0/15

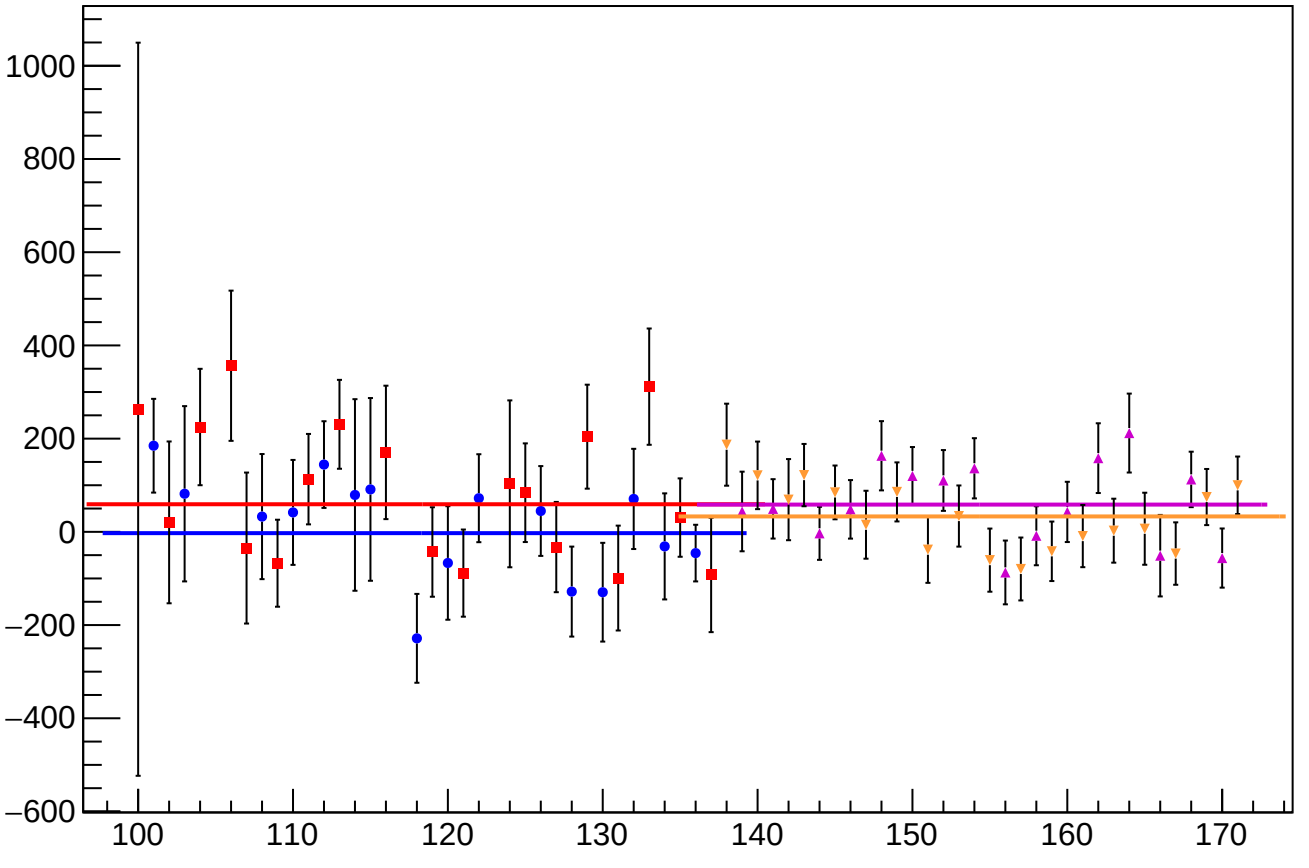
Left: 536.330+/-0.074 χ^2/NDF: 1882072.2/33

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 595.933+/-0.098 χ^2/NDF:3364399.1/31

Out: 595.456+/-0.095 χ^2/NDF:3730666.7/36

All: 595.688+/-0.068 χ^2/NDF: 7095078.0/68



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: 58.487+/-16.796 χ^2/NDF:22.7/15

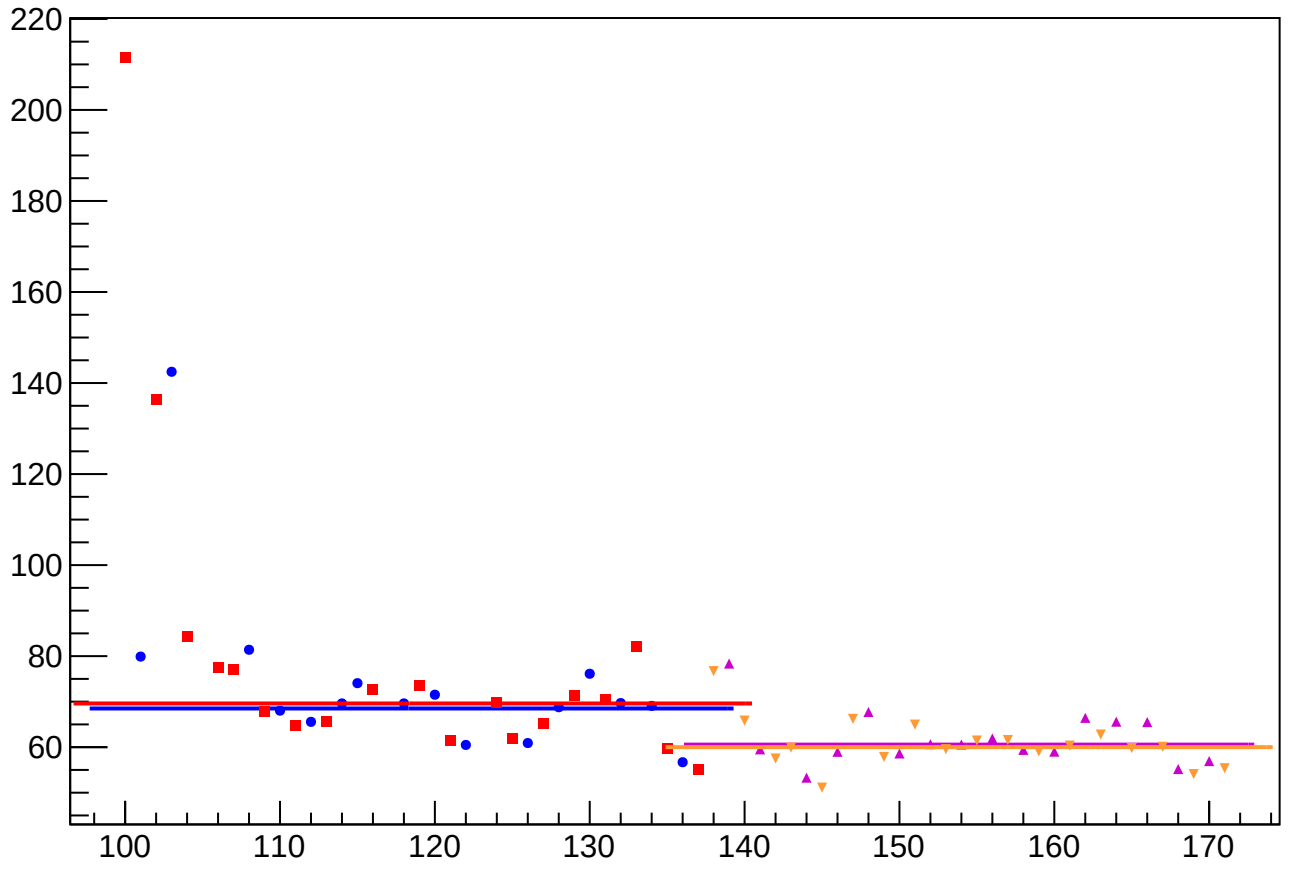
Left: 45.184+/-11.597 χ^2/NDF: 42.8/33

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 40.656+/-14.142 χ^2/NDF:44.3/31

Out: 40.120+/-13.700 χ^2/NDF:45.3/36

All: 40.379+/-9.840 χ^2/NDF: 89.6/68



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: 60.559+/-0.012 χ^2/NDF:193036.1/15

Left: 60.267+/-0.008 χ^2/NDF: 391213.9/33

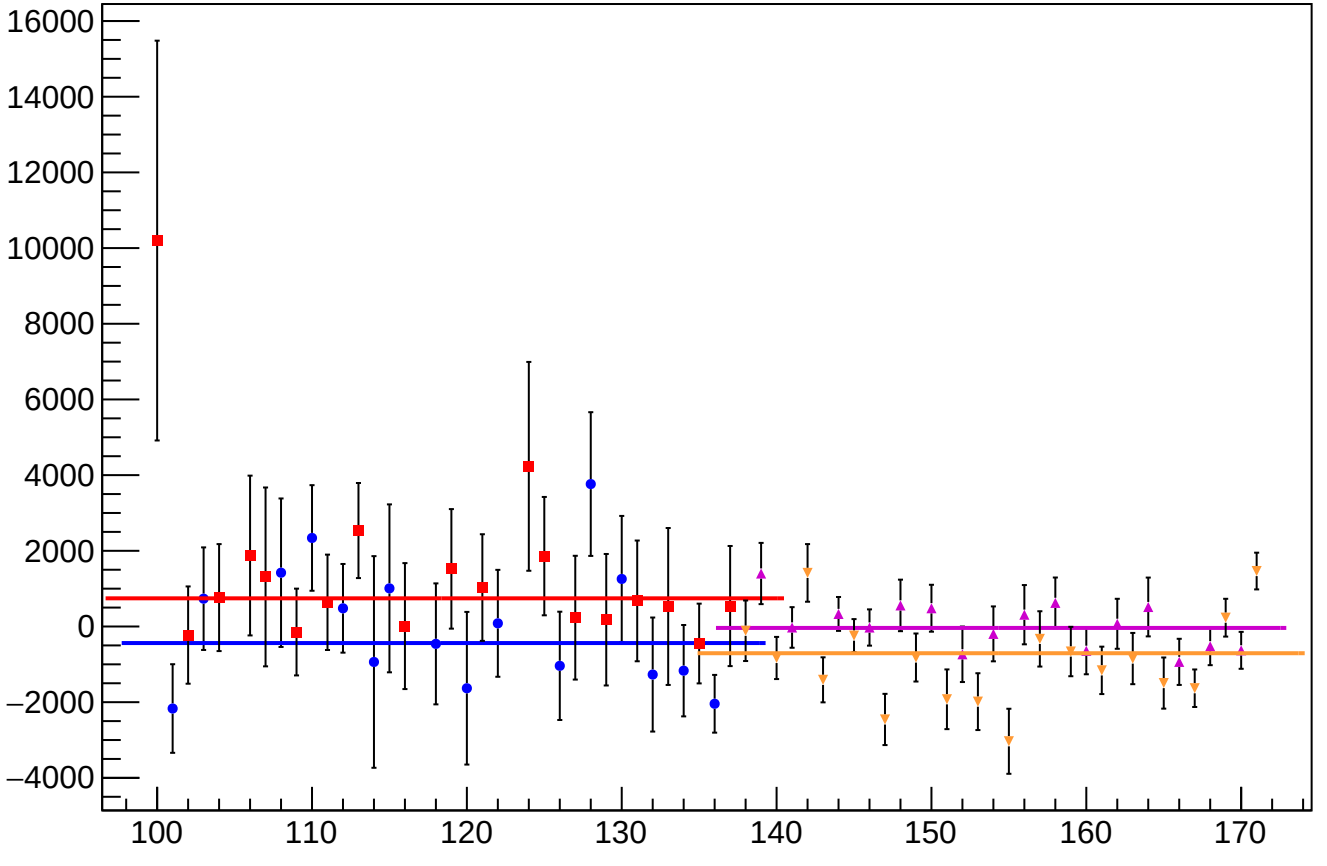
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.870+/-0.010 χ^2/NDF:794980.4/31

Out: 62.590+/-0.010 χ^2/NDF:910164.6/36

All: 62.725+/-0.007 χ^2/NDF: 1705549.9/68

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: -37.879+/-150.498 χ^2/NDF:13.5/15

Left: -384.034+/-104.484 χ^2/NDF: 83.2/33

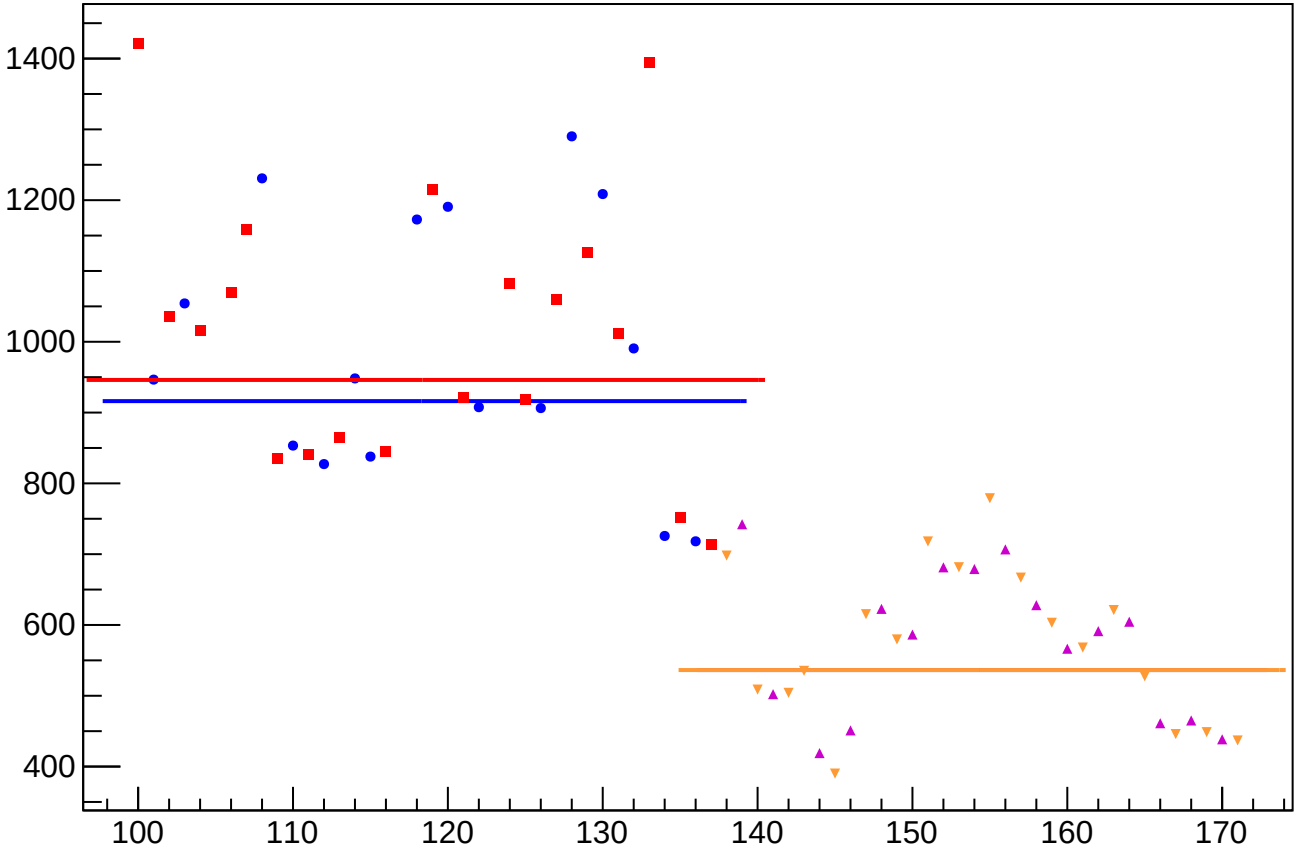
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: -100.561+/-138.189 χ^2/NDF:35.1/31

Out: -496.780+/-134.287 χ^2/NDF:84.7/36

All: -304.344+/-96.305 χ^2/NDF: 124.1/68

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: 536.342+/-0.106 χ^2/NDF:856570.0/15

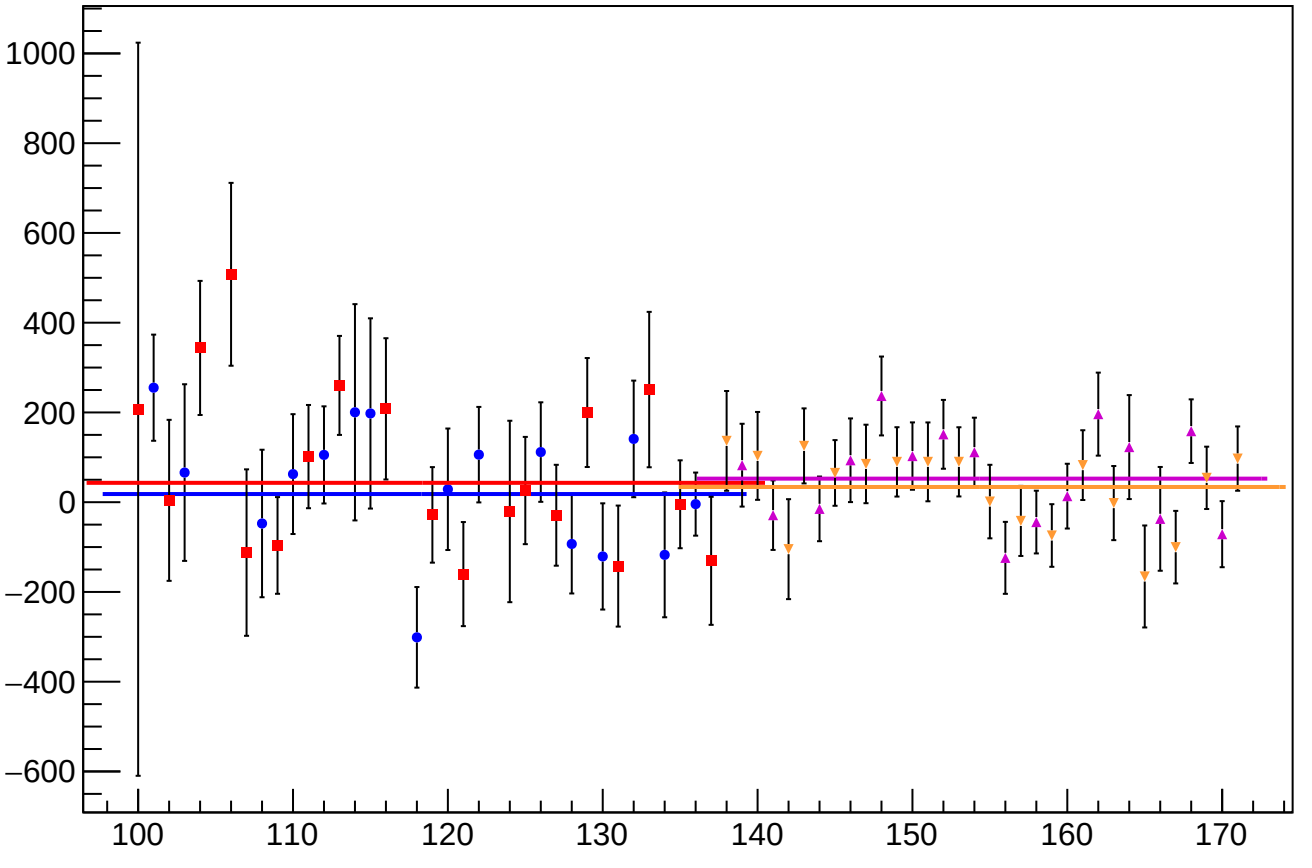
Left: 536.330+/-0.074 χ^2/NDF: 1882072.2/33

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 595.933+/-0.098 χ^2/NDF:3364399.1/31

Out: 595.456+/-0.095 χ^2/NDF:3730666.7/36

All: 595.688+/-0.068 χ^2/NDF: 7095078.0/68



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: 52.501+/-20.246 χ^2/NDF:24.9/15

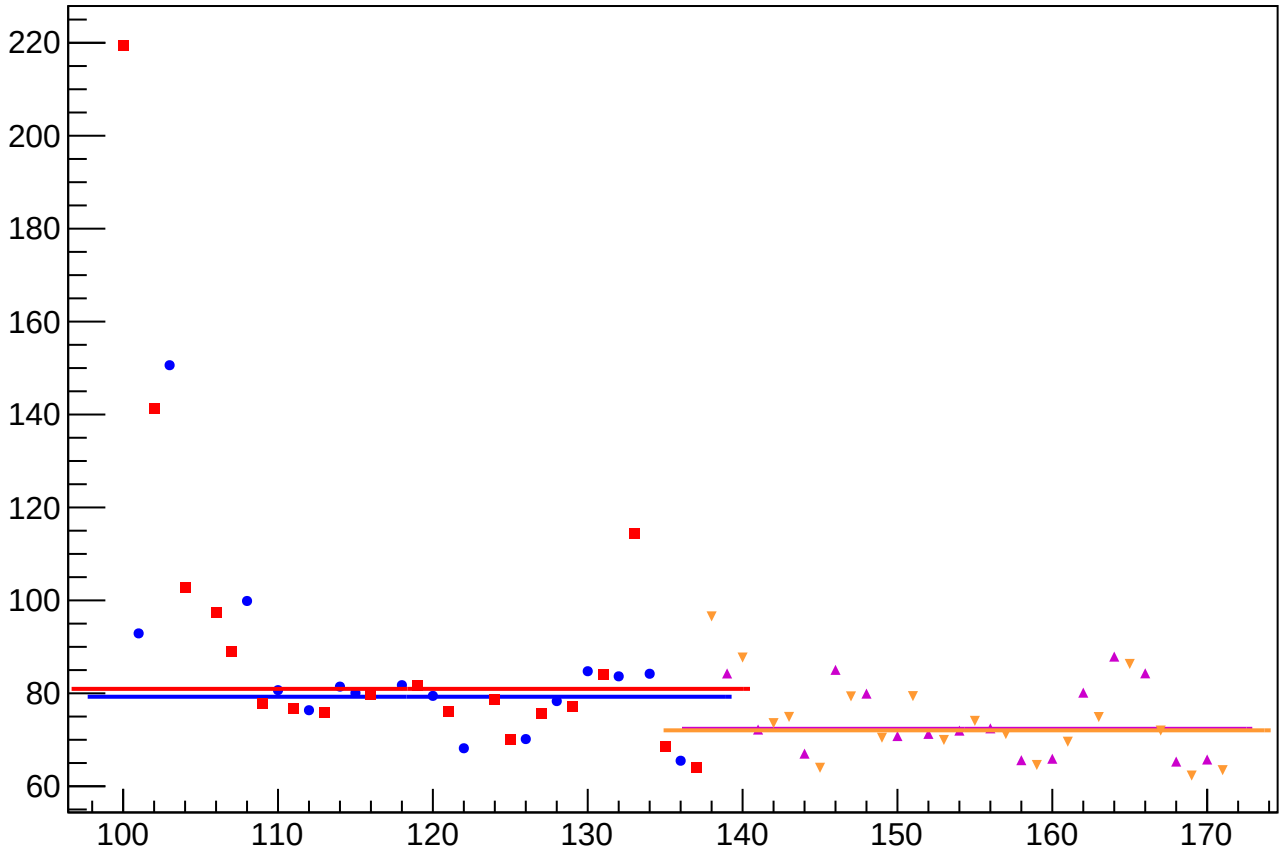
Left: 42.802+/-14.010 χ^2/NDF: 42.2/33

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 41.928+/-16.842 χ^2/NDF:45.9/31

Out: 36.532+/-16.406 χ^2/NDF:44.7/36

All: 39.159+/-11.752 χ^2/NDF: 90.6/68



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: 72.362+/-0.014 χ^2/NDF:239469.9/15

Left: 72.191+/-0.010 χ^2/NDF: 573725.6/33

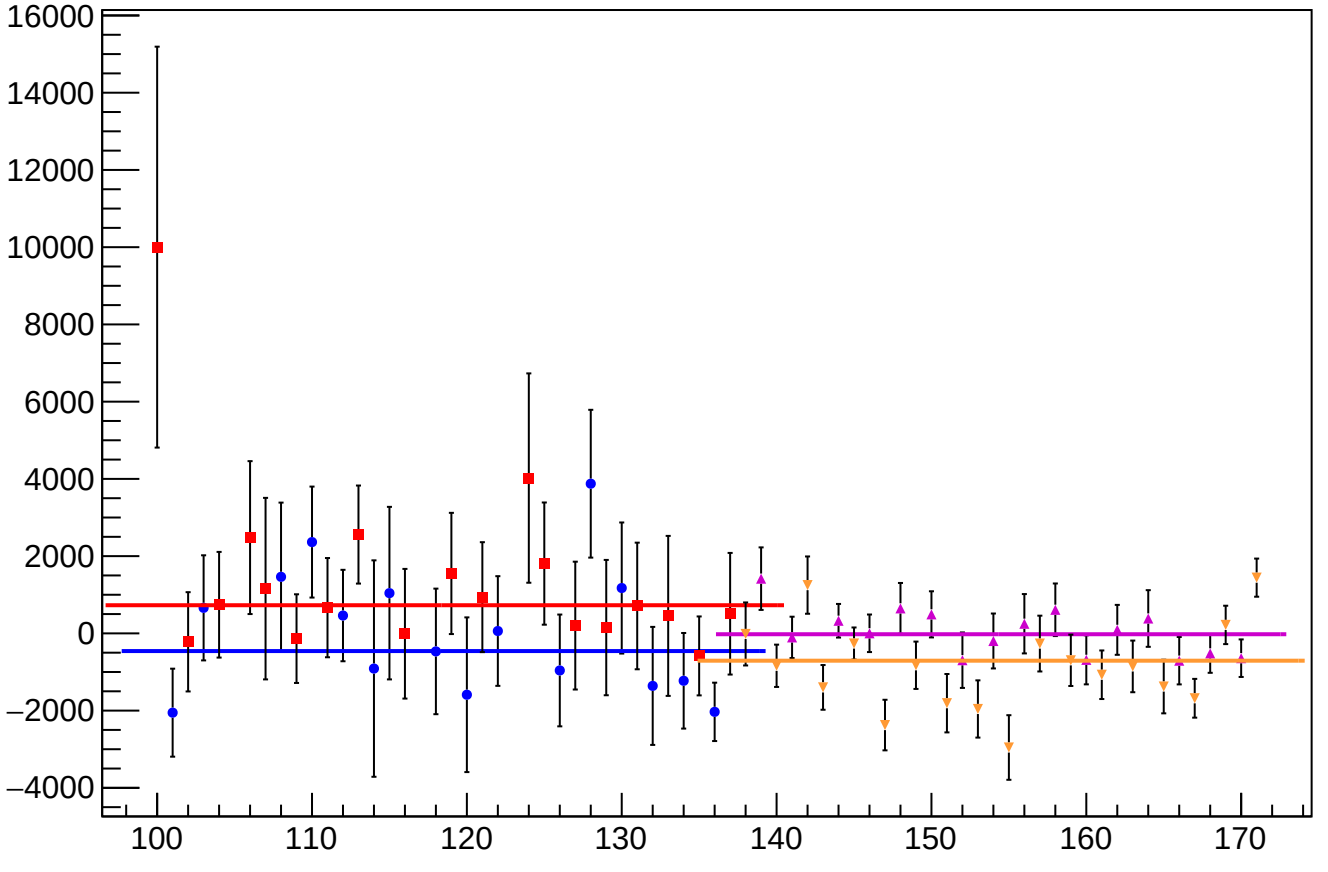
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 74.488+/-0.012 χ^2/NDF:755986.9/31

Out: 74.582+/-0.012 χ^2/NDF:968865.8/36

All: 74.536+/-0.008 χ^2/NDF: 1724884.5/68

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: -22.243+/-149.109 χ^2/NDF:12.8/15

Left: -377.952+/-103.390 χ^2/NDF: 80.7/33

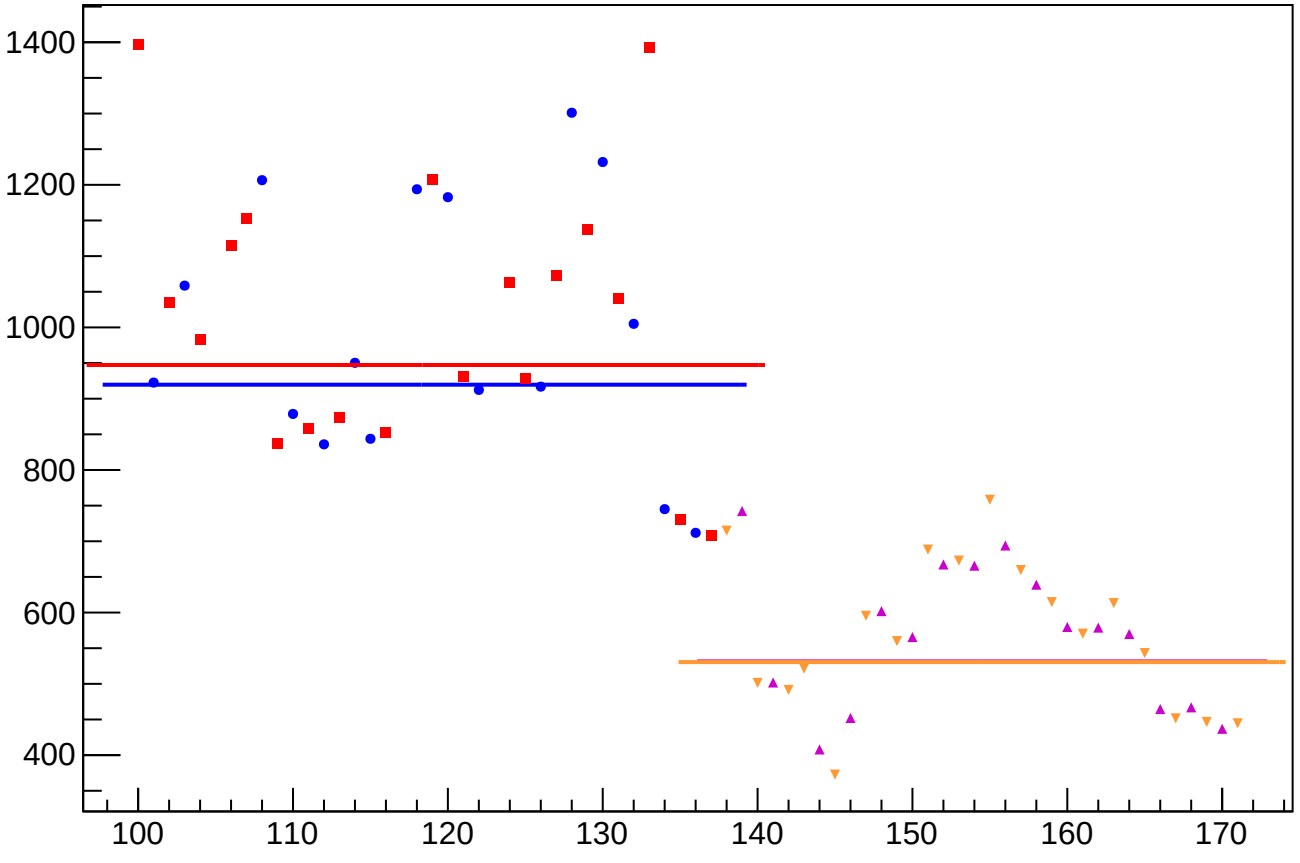
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: -89.175+/-137.183 χ^2/NDF:34.4/31

Out: -503.282+/-132.900 χ^2/NDF:82.7/36

All: -302.795+/-95.453 χ^2/NDF: 121.8/68

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: 531.483+/-0.105 χ^2/NDF:828067.1/15

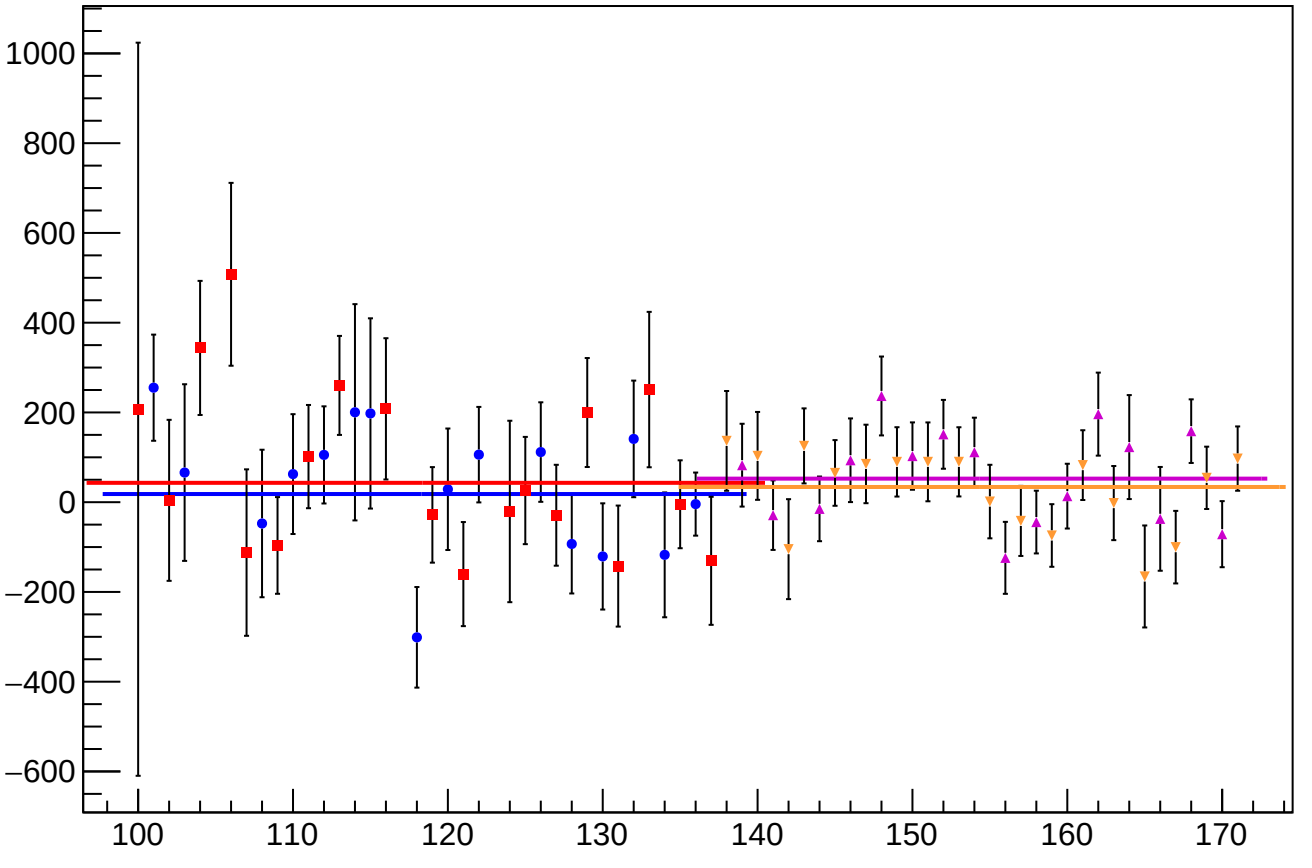
Left: 530.985+/-0.073 χ^2/NDF: 1866856.0/33

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 591.088+/-0.097 χ^2/NDF:3424717.9/31

Out: 589.737+/-0.094 χ^2/NDF:3861608.2/36

All: 590.391+/-0.067 χ^2/NDF: 7286426.2/68



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: 52.500+/-20.246 χ^2/NDF:24.9/15

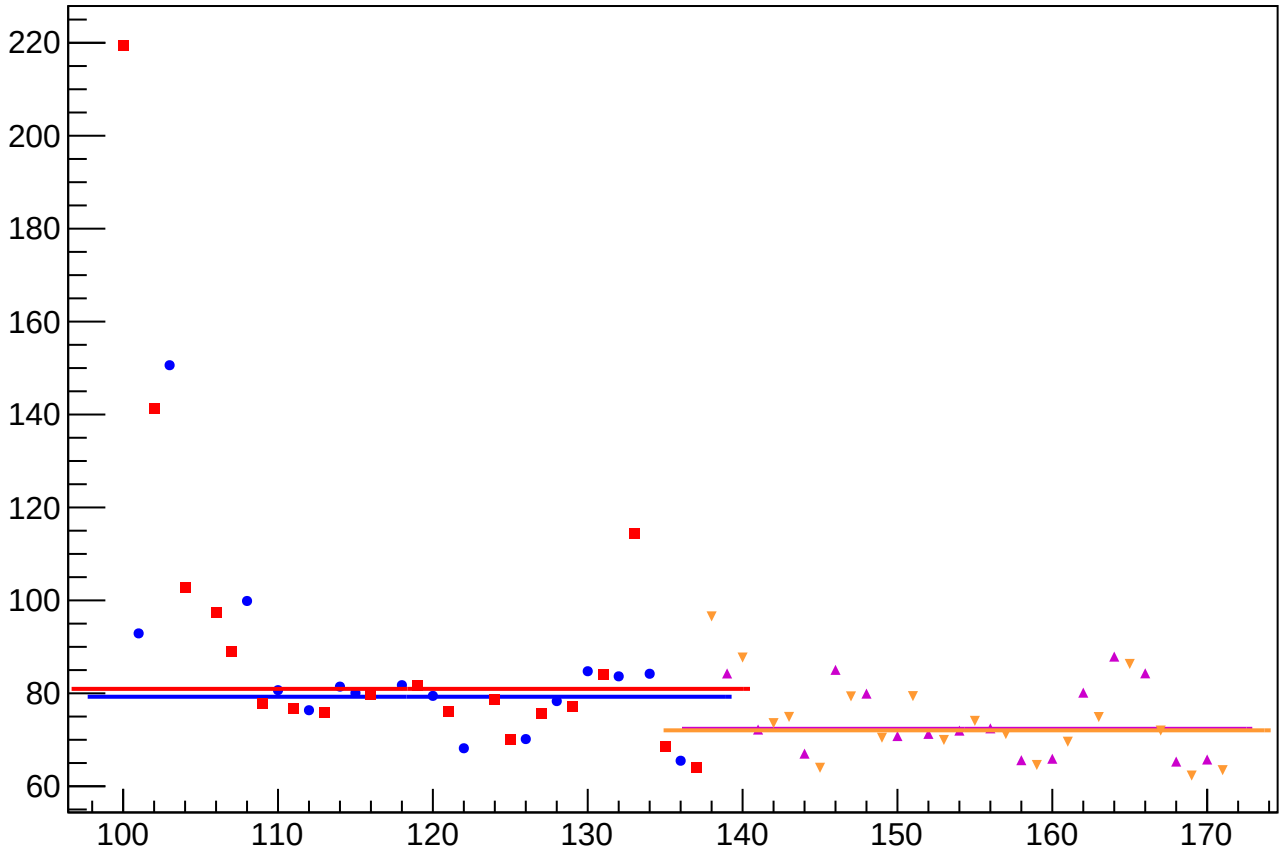
Left: 42.802+/-14.010 χ^2/NDF: 42.2/33

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 41.927+/-16.842 χ^2/NDF:45.9/31

Out: 36.532+/-16.406 χ^2/NDF:44.6/36

All: 39.159+/-11.752 χ^2/NDF: 90.6/68



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: 72.363+/-0.014 χ^2/NDF:239473.2/15

Left: 72.192+/-0.010 χ^2/NDF: 573726.9/33

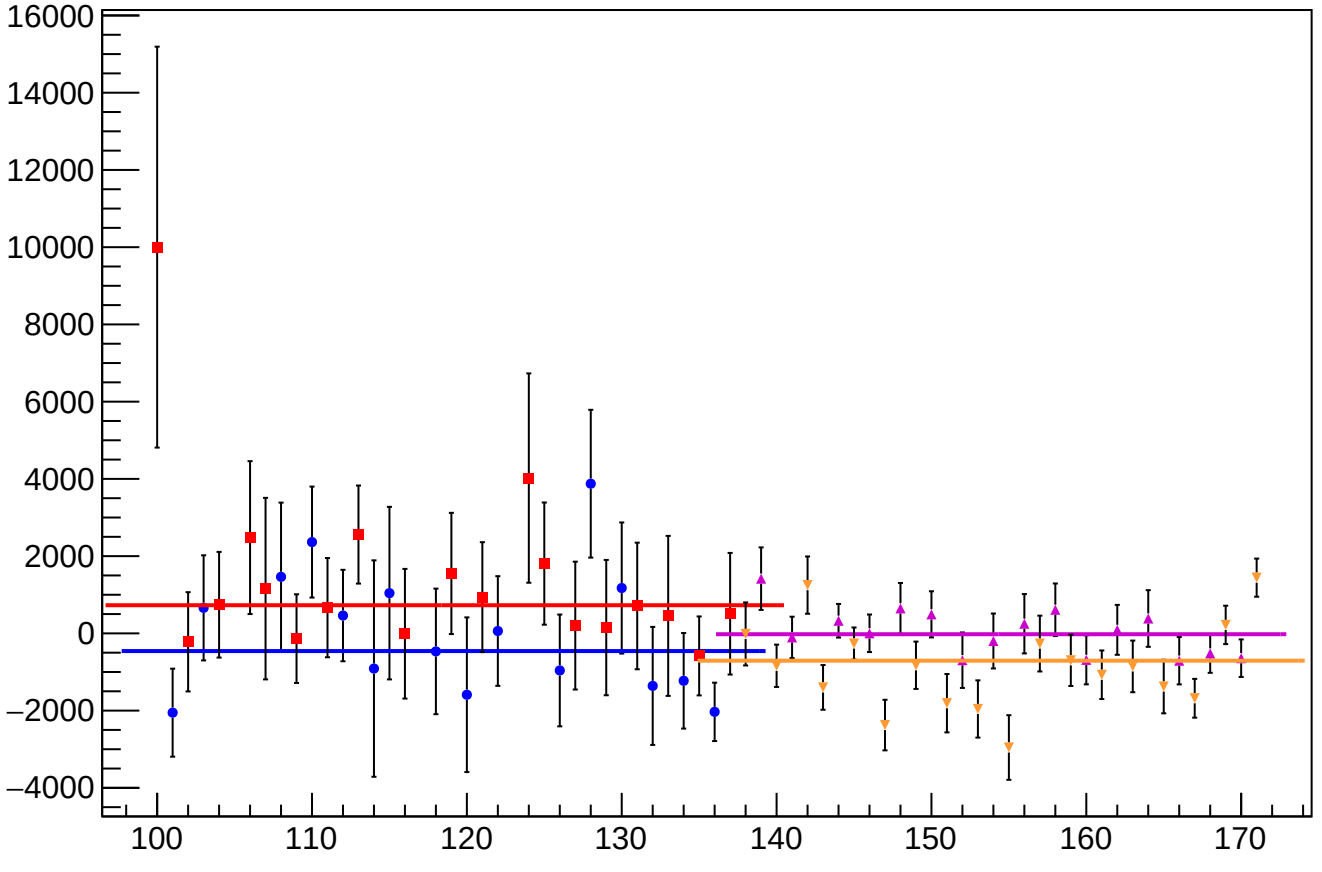
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 74.488+/-0.012 χ^2/NDF:755977.2/31

Out: 74.582+/-0.012 χ^2/NDF:968860.7/36

All: 74.536+/-0.008 χ^2/NDF: 1724869.7/68

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: -22.244+/-149.109 χ^2/NDF:12.8/15

Left: -377.952+/-103.390 χ^2/NDF: 80.7/33

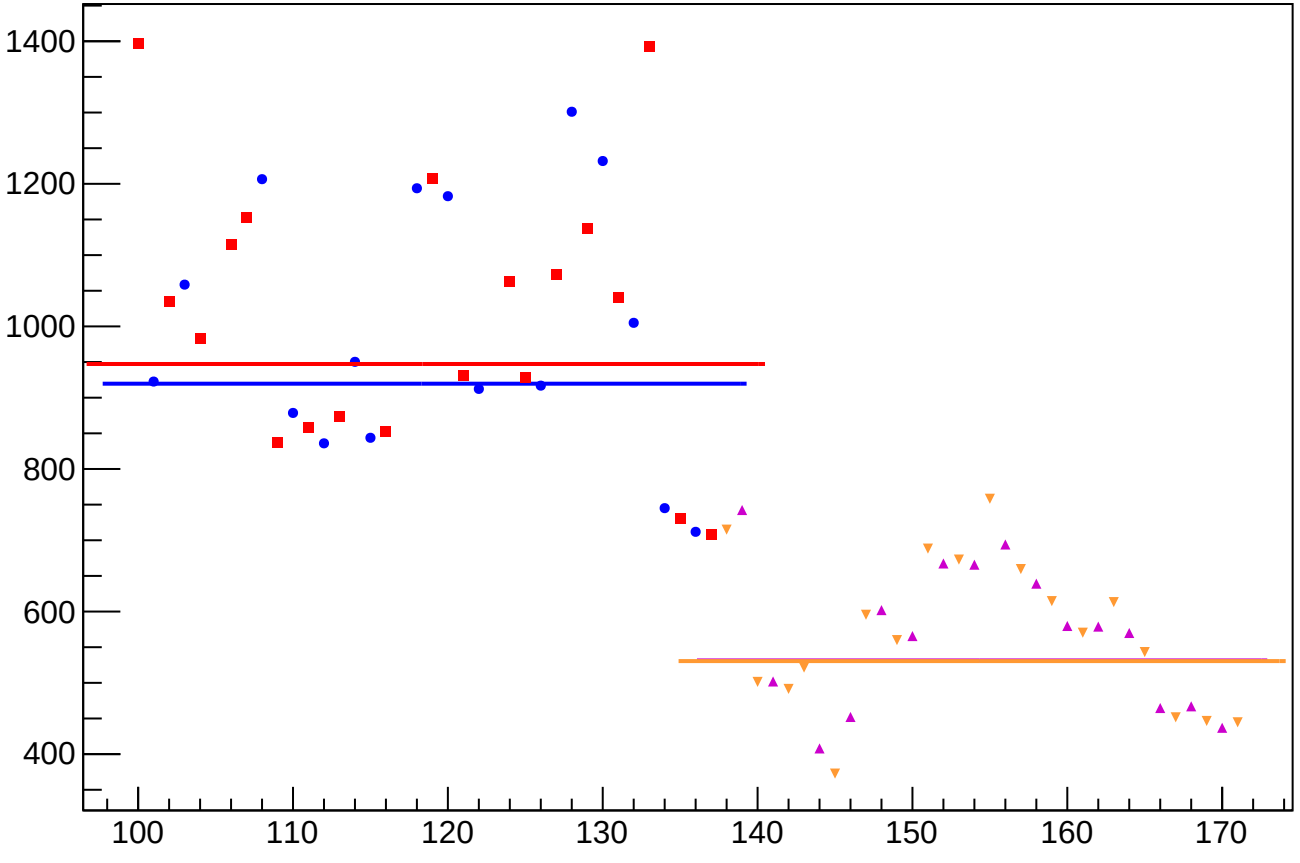
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: -89.176+/-137.183 χ^2/NDF:34.4/31

Out: -503.282+/-132.899 χ^2/NDF:82.7/36

All: -302.795+/-95.453 χ^2/NDF: 121.8/68

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: 531.482+/-0.105 χ^2/NDF:828068.7/15

Left: 530.984+/-0.073 χ^2/NDF: 1866864.2/33

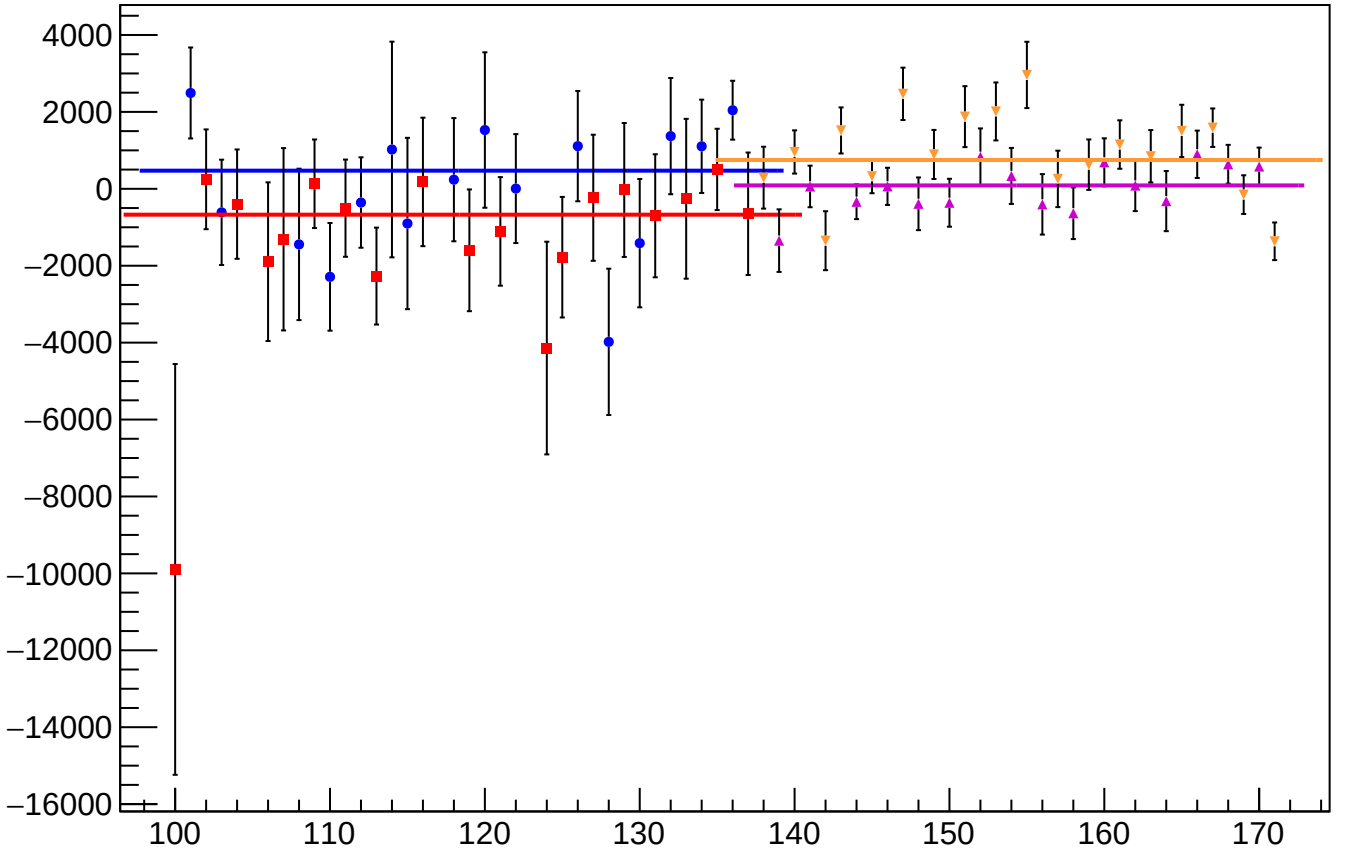
Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 591.087+/-0.097 χ^2/NDF:3424716.9/31

Out: 589.736+/-0.094 χ^2/NDF:3861613.3/36

All: 590.390+/-0.067 χ^2/NDF: 7286430.3/68

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



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: 88.434+/-151.546 χ^2/NDF:12.8/15

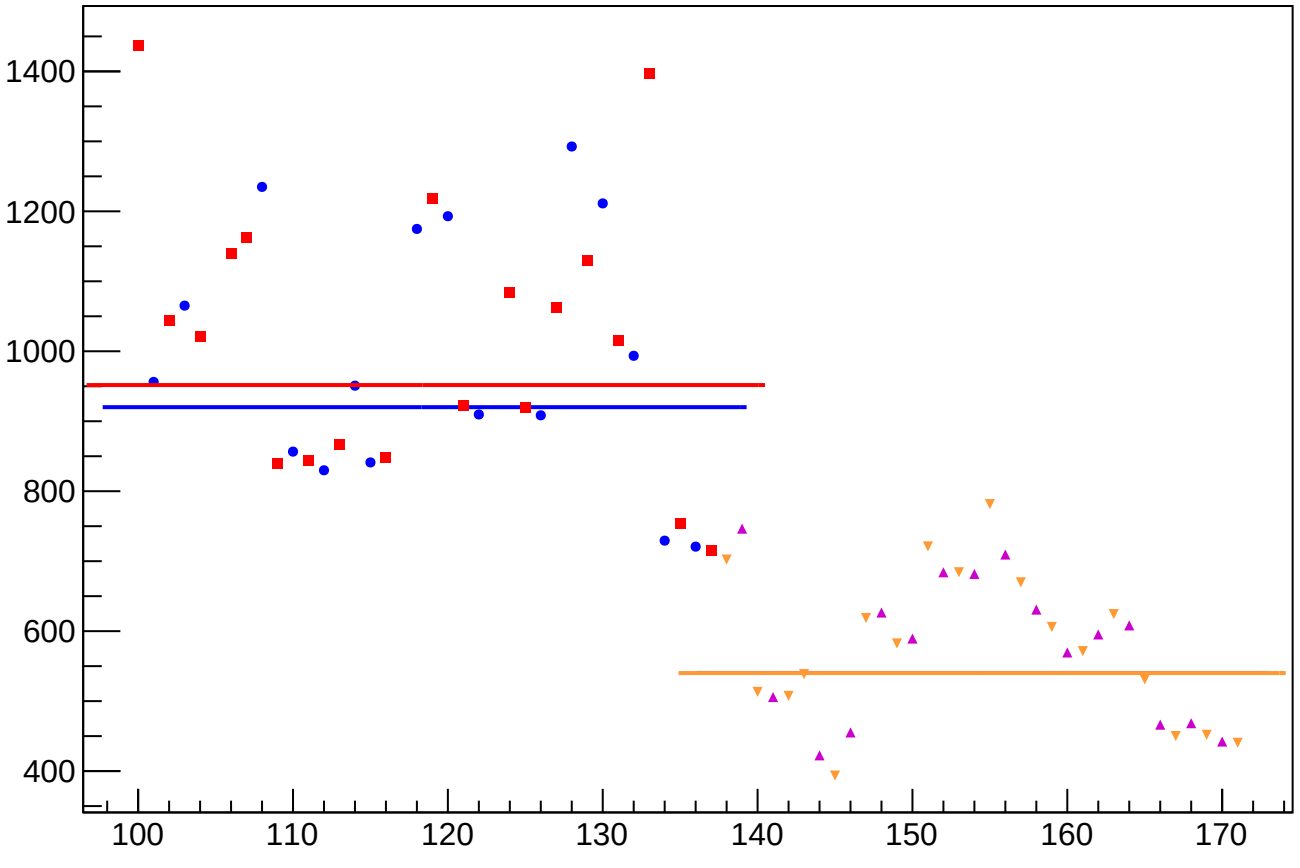
Left: 431.196+/-105.201 χ^2/NDF: 77.9/33

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 148.884+/-139.093 χ^2/NDF:35.3/31

Out: 543.345+/-135.121 χ^2/NDF:79.3/36

All: 351.826+/-96.919 χ^2/NDF: 118.7/68



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: 540.245+/-0.107 χ^2/NDF:841248.6/15

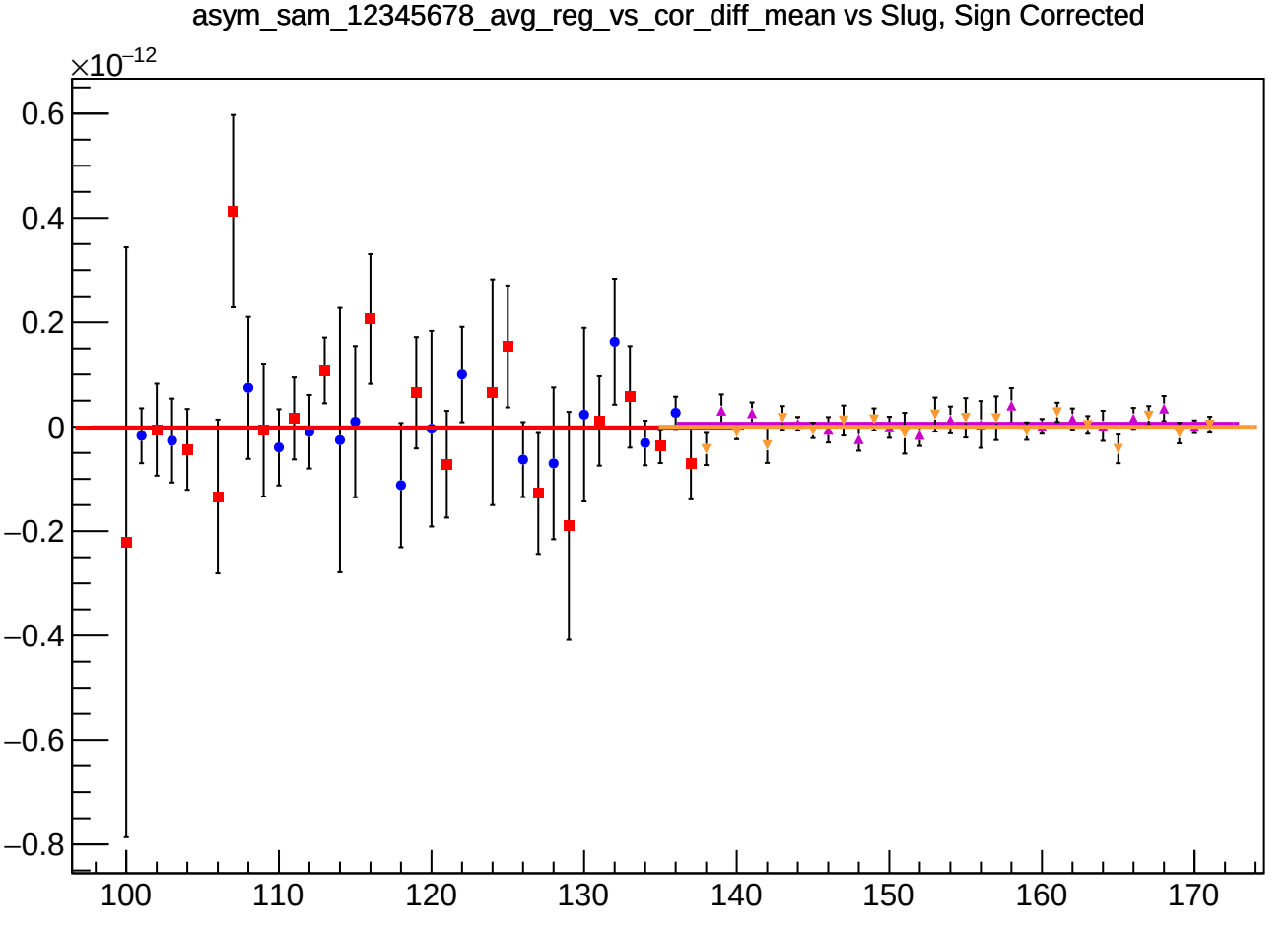
Left: 540.182+/-0.074 χ^2/NDF: 1849643.4/33

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 600.112+/-0.098 χ^2/NDF:3330435.7/31

Out: 599.918+/-0.096 χ^2/NDF:3728876.6/36

All: 600.012+/-0.069 χ^2/NDF: 7059314.3/68



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:8.2/15

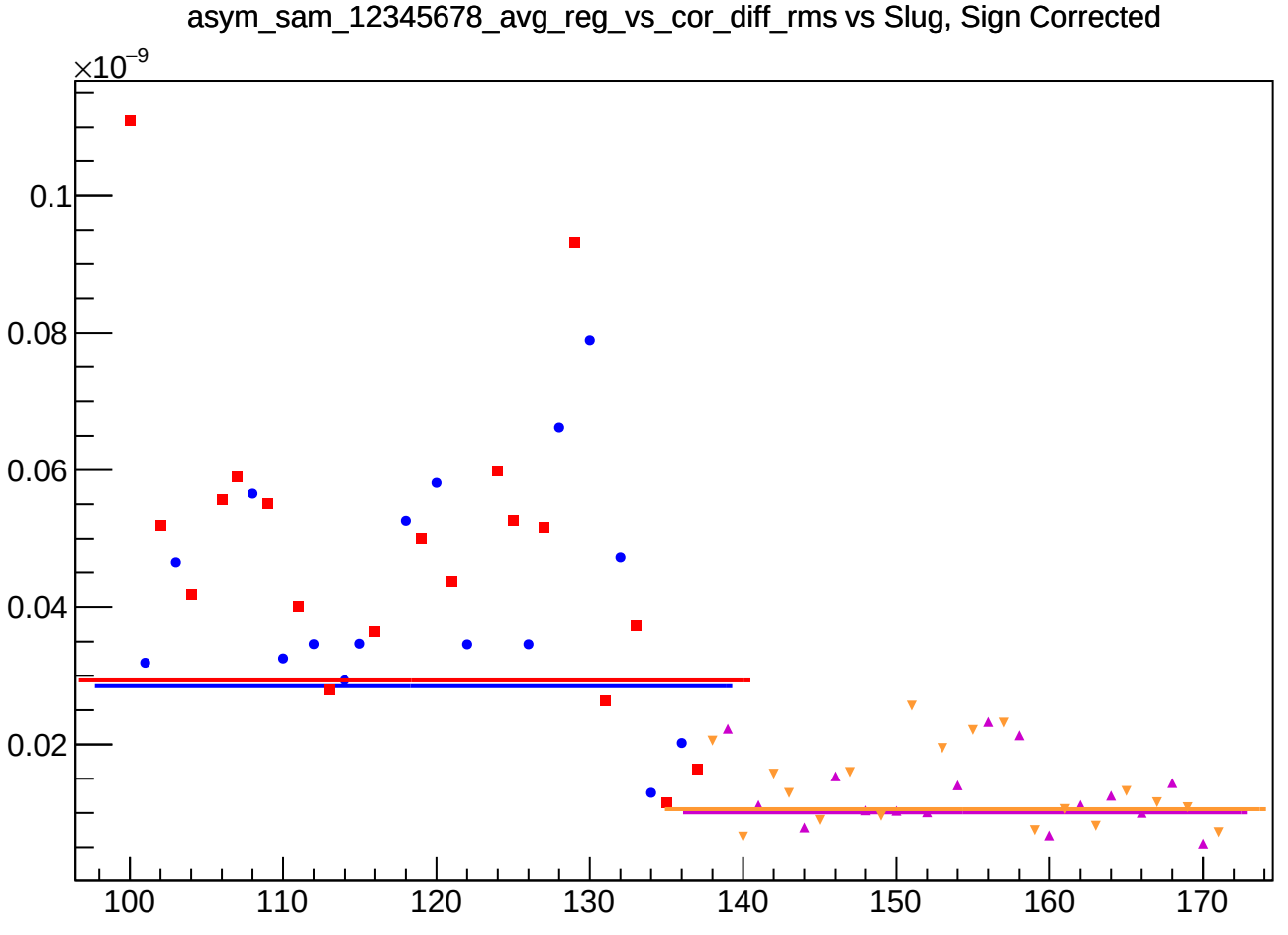
Left: 0.000+/-0.000 χ^2/NDF: 21.7/33

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.4/31

Out: -0.000+/-0.000 χ^2/NDF:32.2/36

All: 0.000+/-0.000 χ^2/NDF: 48.2/68



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:1396981.2/15

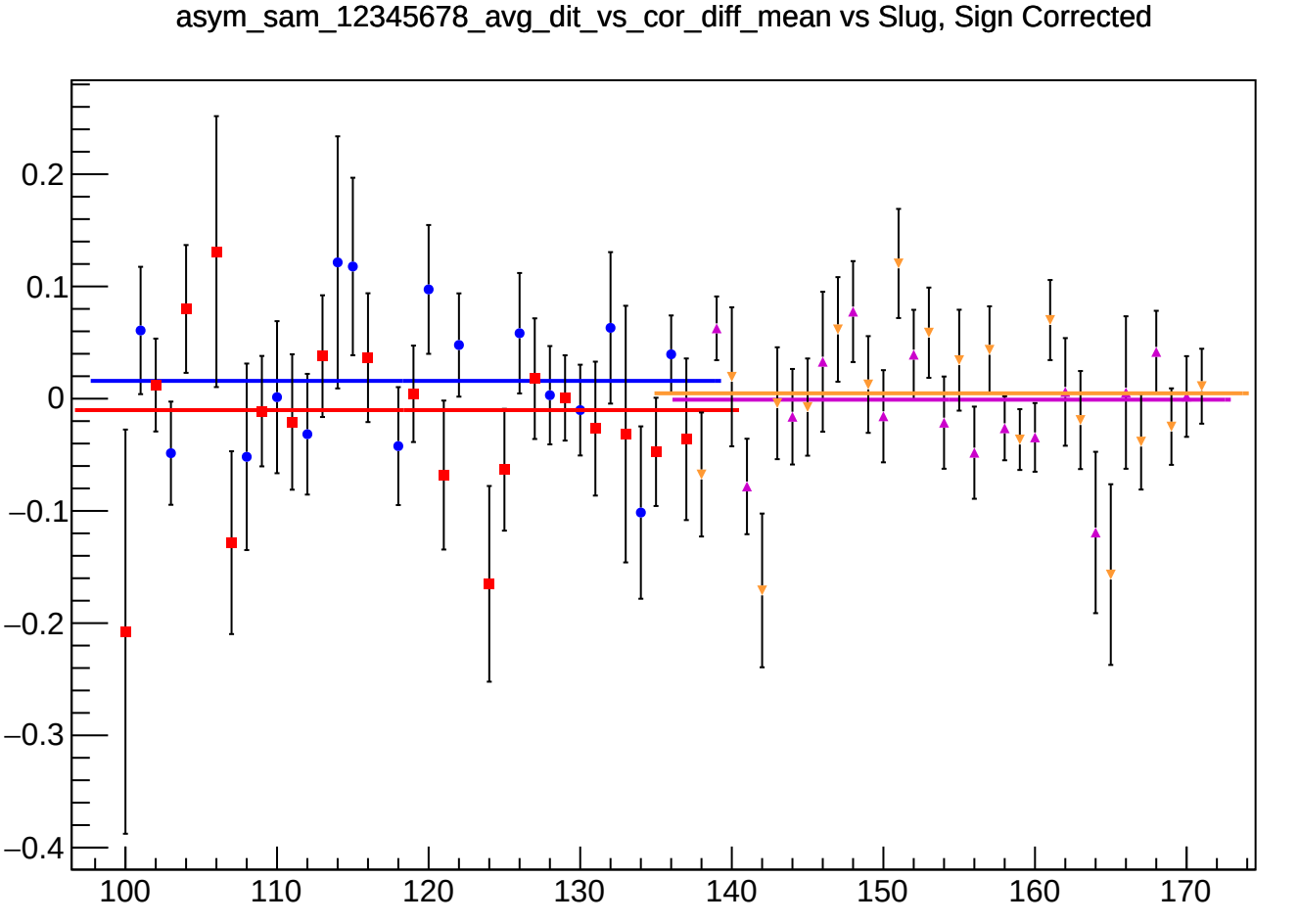
Left: 0.000+/-0.000 χ^2/NDF: 3027201.2/33

Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4552022.9/31

Out: 0.000+/-0.000 χ^2/NDF:5053370.3/36

All: 0.000+/-0.000 χ^2/NDF: 9608334.6/68



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: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.002+/-0.007 χ^2/NDF: 51.4/33

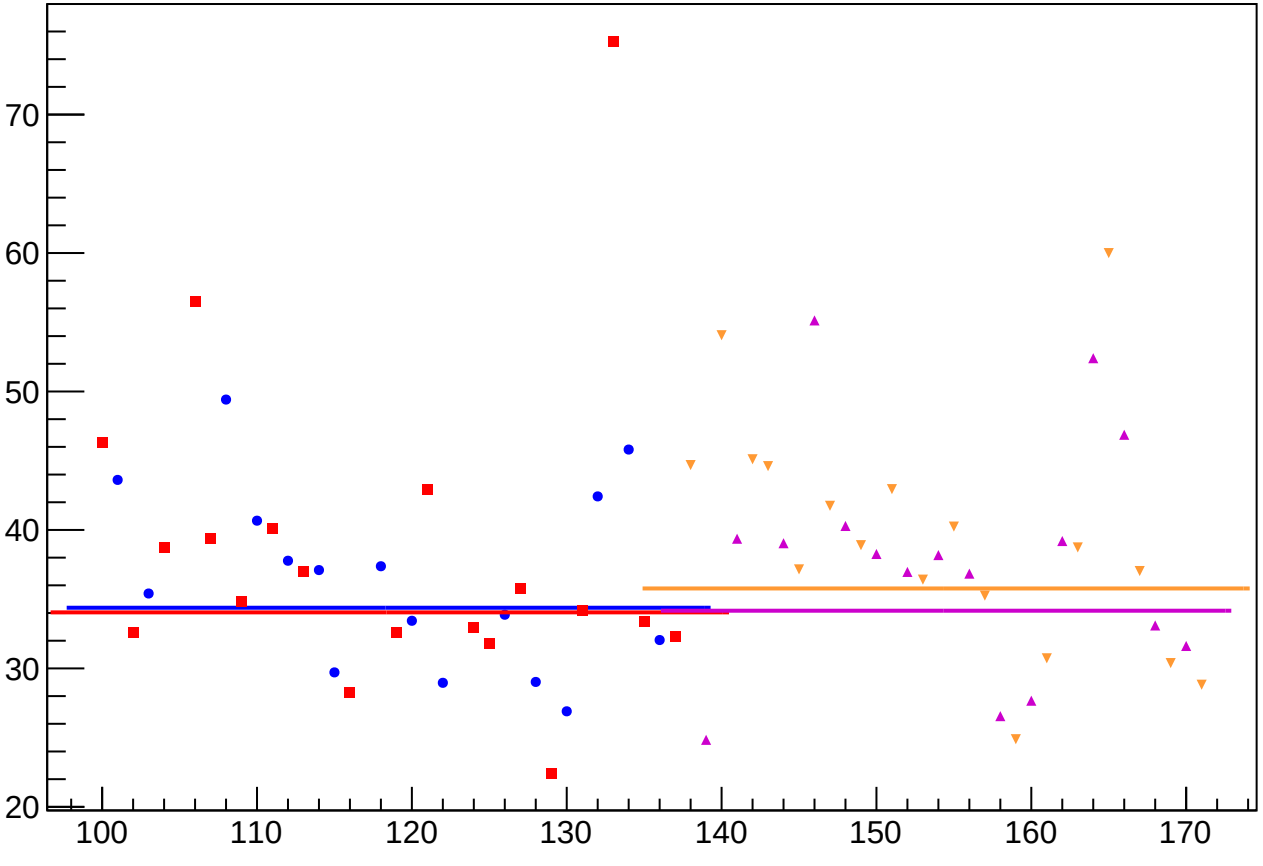
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.002+/-0.006 χ^2/NDF: 83.2/68

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.774+/-0.007 χ^2/NDF:1127643.3/17

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.167+/-0.007 χ^2/NDF:1057194.1/15

Left: 34.967+/-0.005 χ^2/NDF: 2210965.0/33

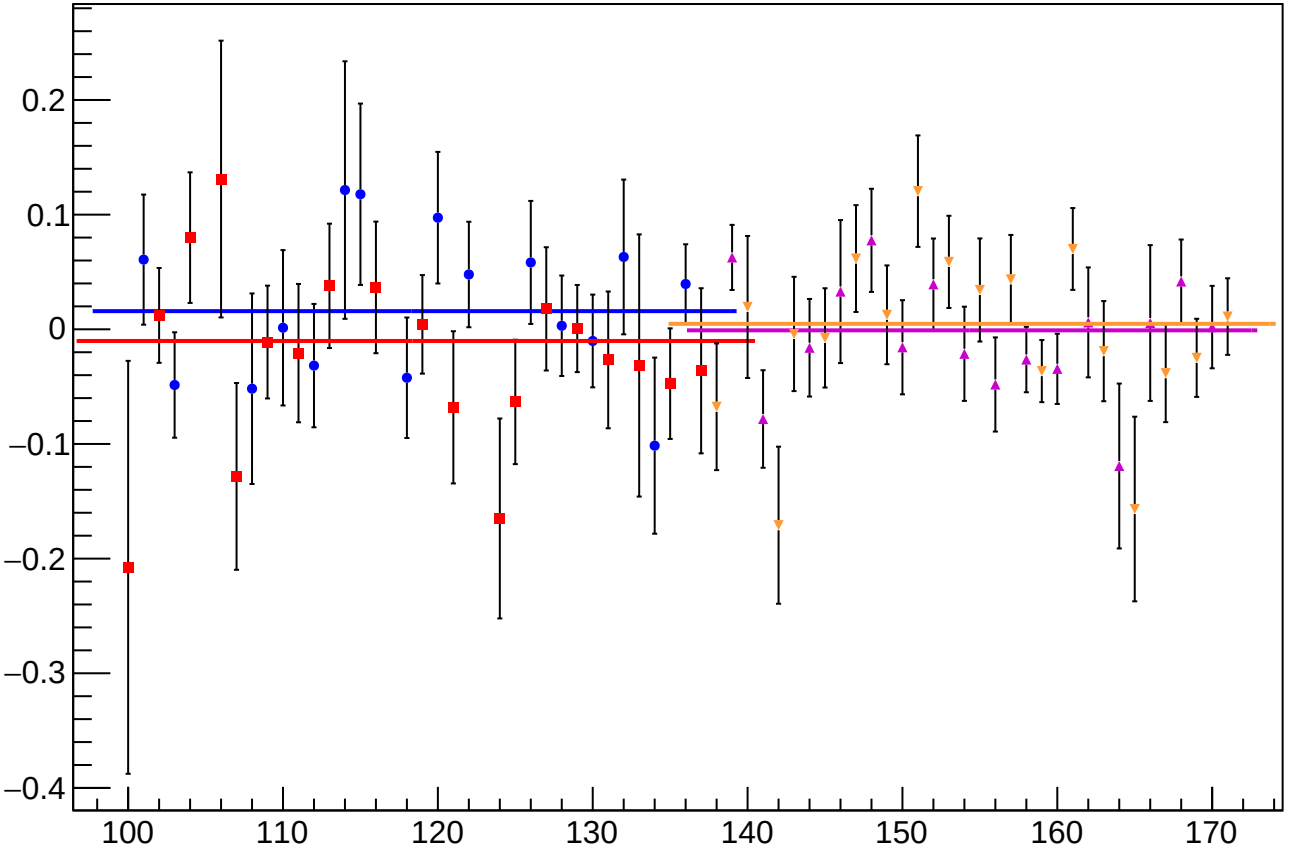
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.243+/-0.006 χ^2/NDF:1425409.1/31

Out: 35.148+/-0.006 χ^2/NDF:1792126.8/36

All: 34.696+/-0.004 χ^2/NDF: 3230441.7/68

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: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.002+/-0.007 χ^2/NDF: 51.4/33

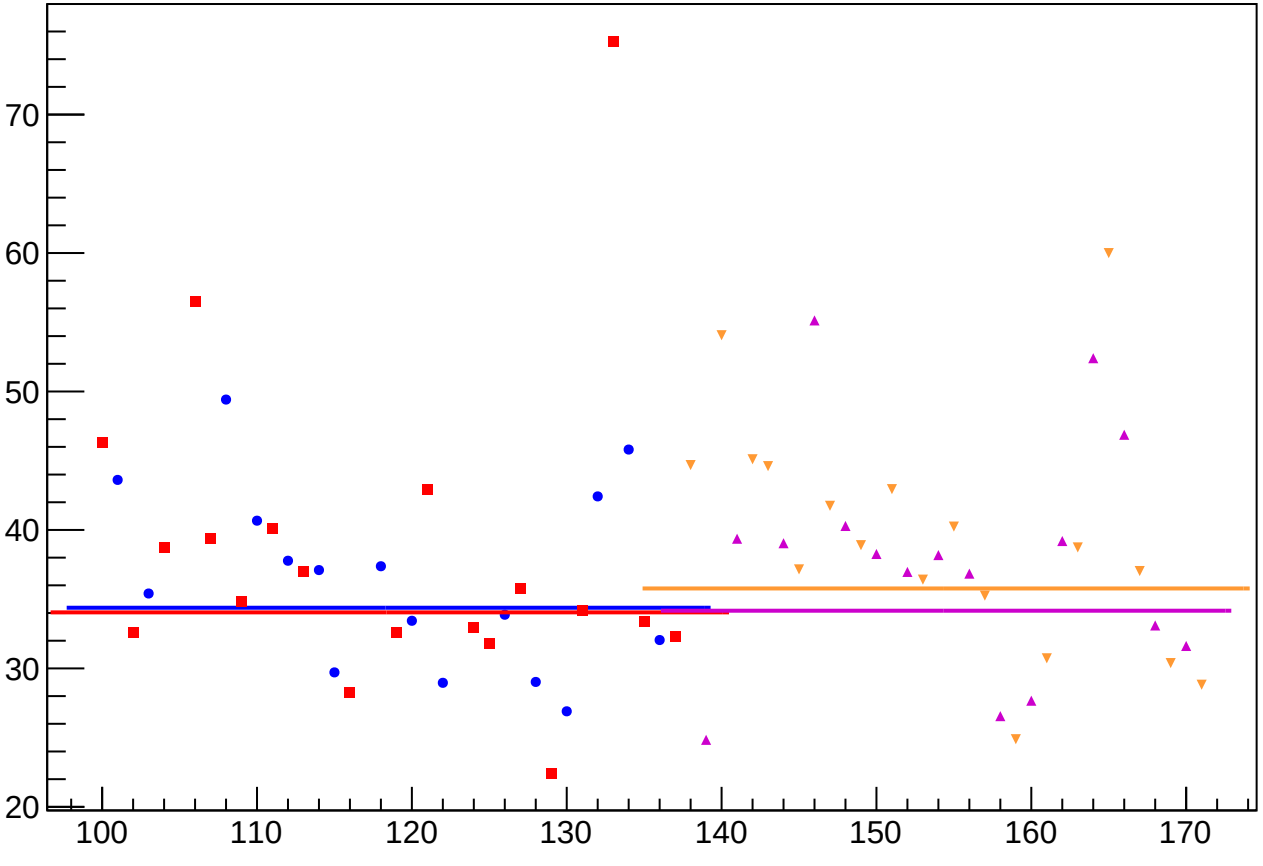
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.002+/-0.006 χ^2/NDF: 83.2/68

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: 34.167+/-0.007 χ^2/NDF:1057194.1/15

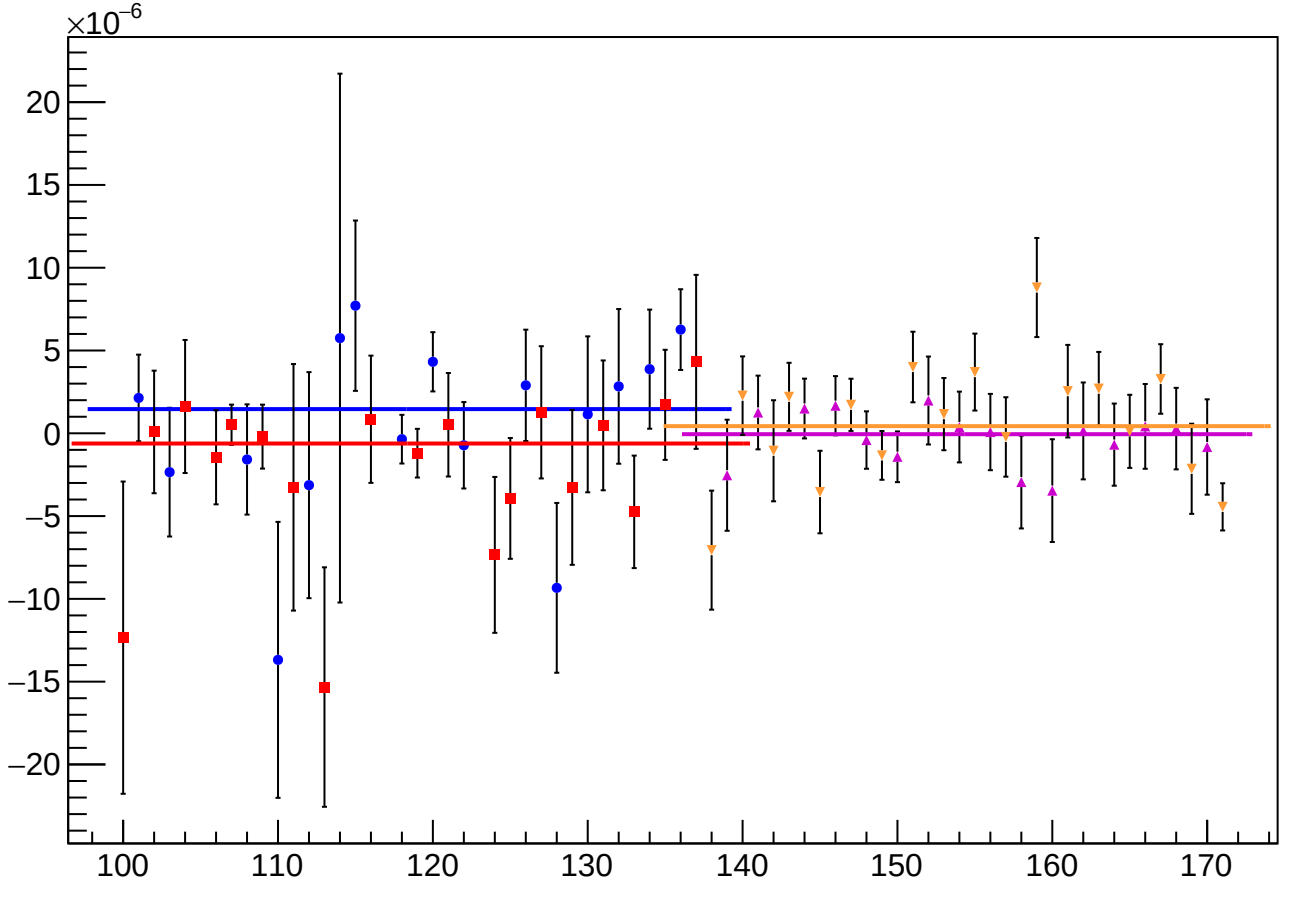
Left: 34.967+/-0.005 χ^2/NDF: 2210965.0/33

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.243+/-0.006 χ^2/NDF:1425409.1/31

Out: 35.148+/-0.006 χ^2/NDF:1792126.8/36

All: 34.696+/-0.004 χ^2/NDF: 3230441.7/68



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:6.5/15

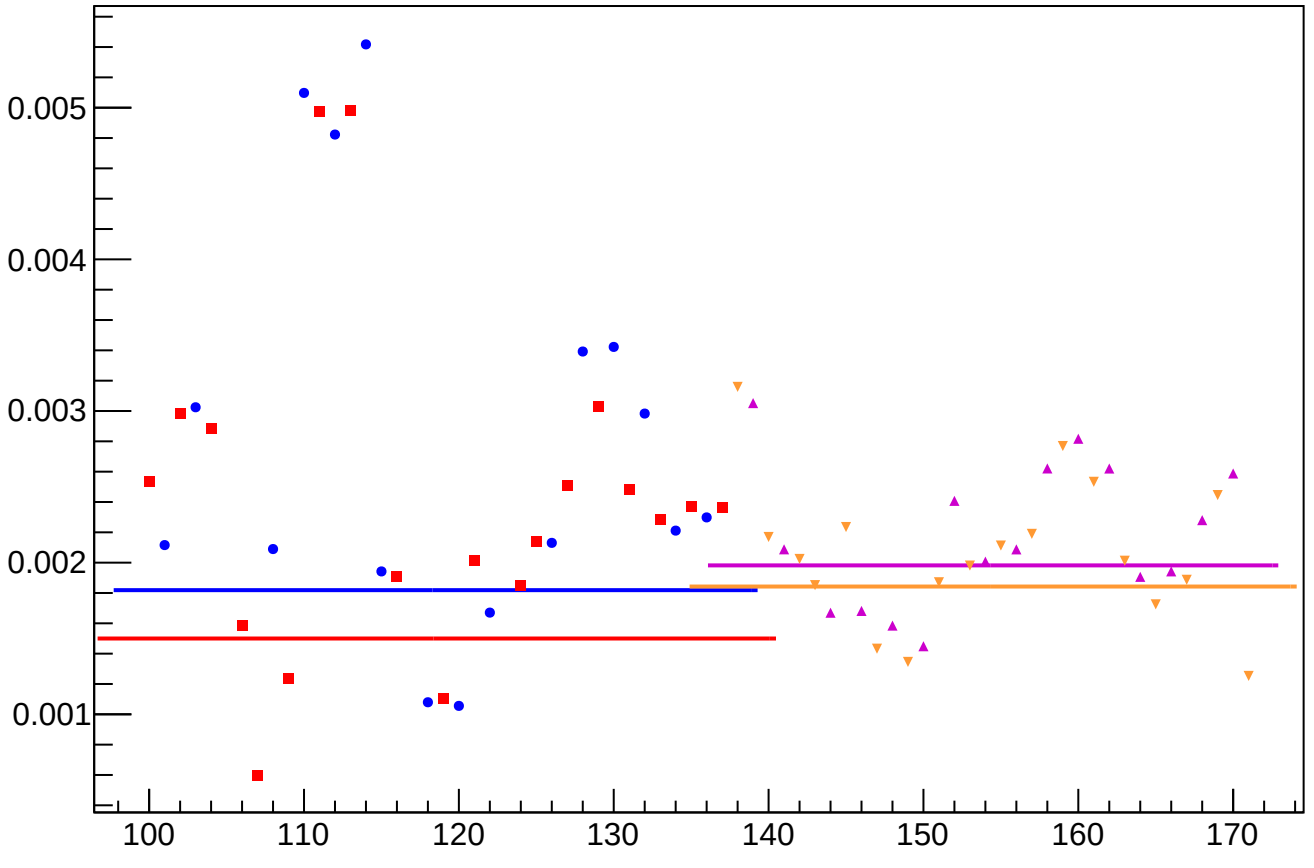
Left: 0.000+/-0.000 χ^2/NDF: 46.3/33

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:30.1/31

Out: 0.000+/-0.000 χ^2/NDF:55.0/36

All: 0.000+/-0.000 χ^2/NDF: 85.6/68



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:1191425.2/15

Left: 0.002+/-0.000 χ^2/NDF: 2835083.2/33

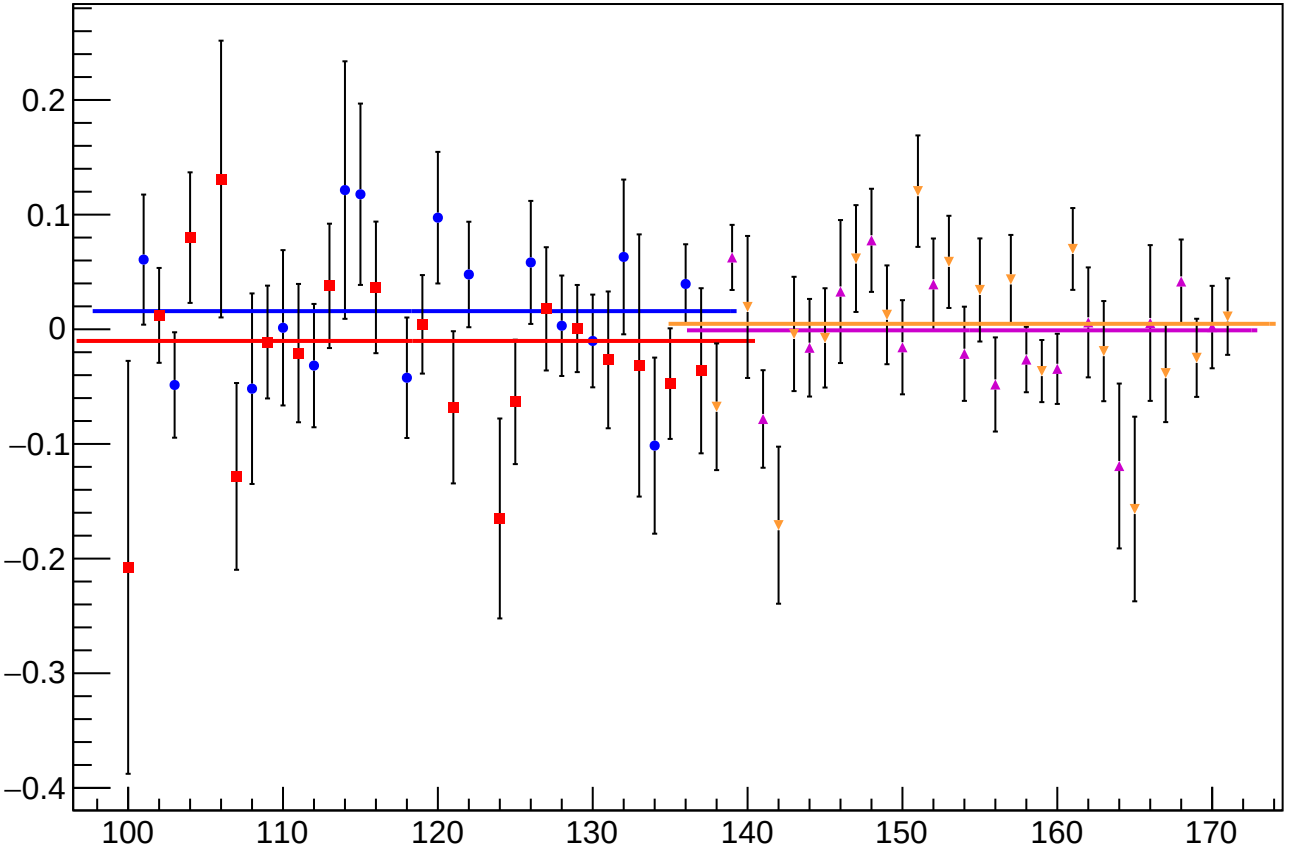
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:3822116.9/31

Out: 0.002+/-0.000 χ^2/NDF:5614091.3/36

All: 0.002+/-0.000 χ^2/NDF: 9682730.9/68

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: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.002+/-0.007 χ^2/NDF: 51.4/33

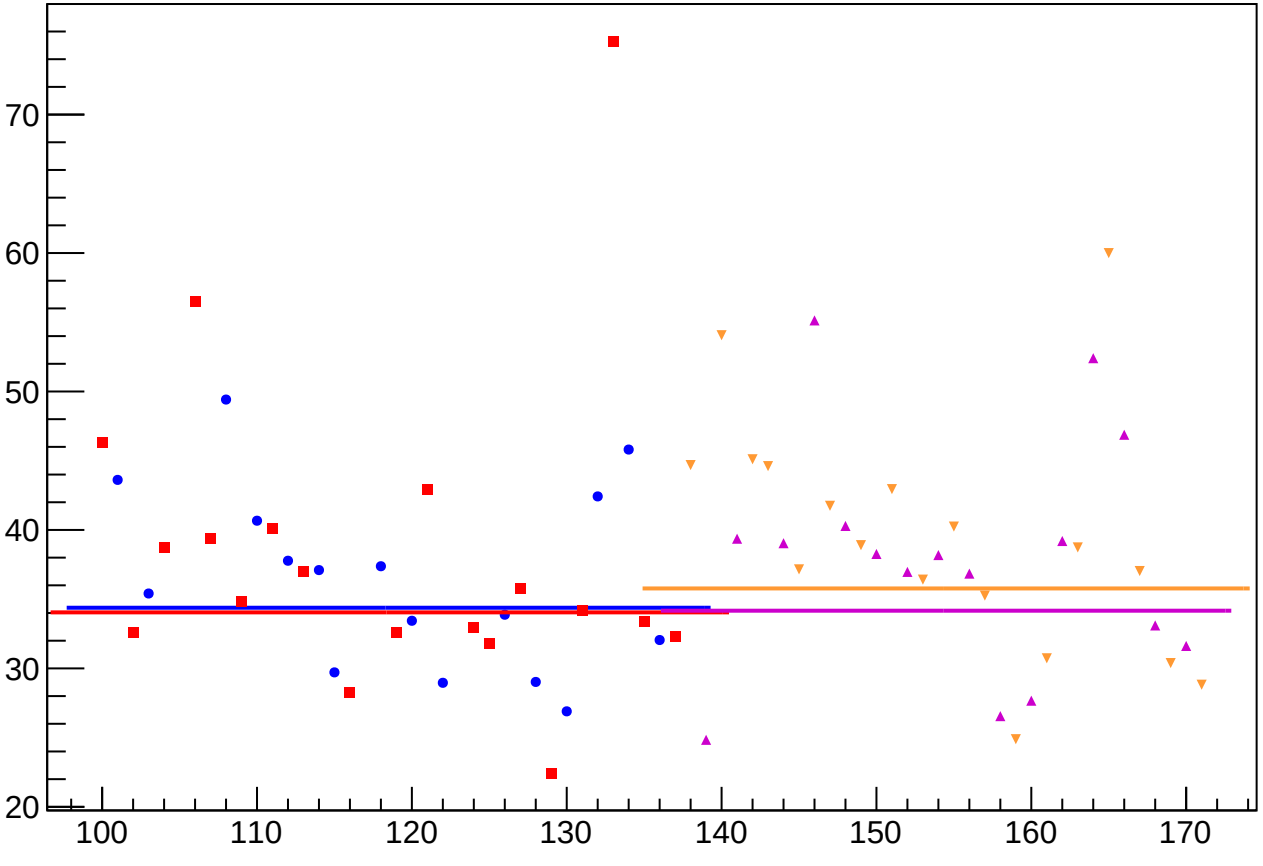
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.002+/-0.006 χ^2/NDF: 83.2/68

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: 34.167+/-0.007 χ^2/NDF:1057264.2/15

Left: 34.967+/-0.005 χ^2/NDF: 2211095.7/33

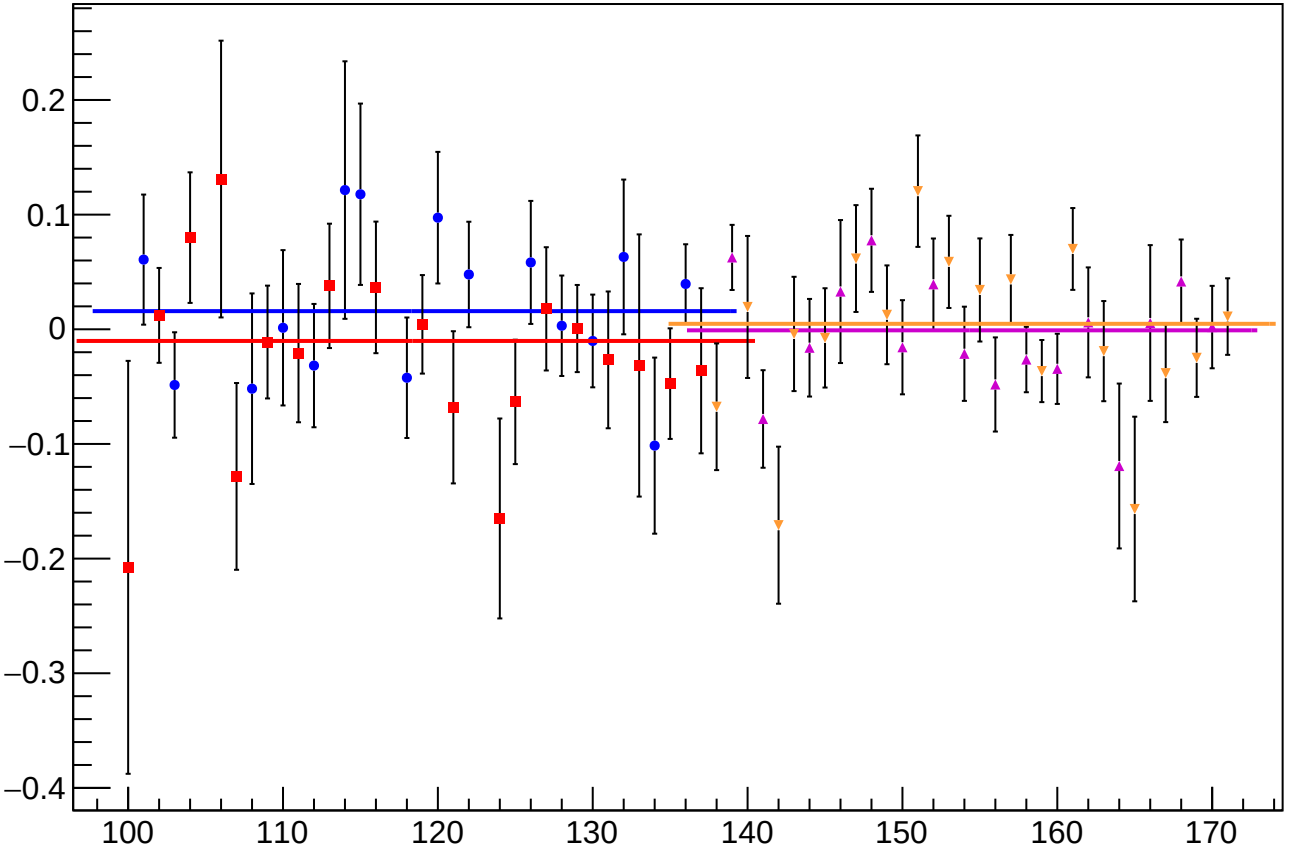
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.243+/-0.006 χ^2/NDF:1425533.1/31

Out: 35.148+/-0.006 χ^2/NDF:1792253.5/36

All: 34.696+/-0.004 χ^2/NDF: 3230692.7/68

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: -0.001+/-0.010 χ^2/NDF:20.6/15

Left: 0.002+/-0.007 χ^2/NDF: 51.4/33

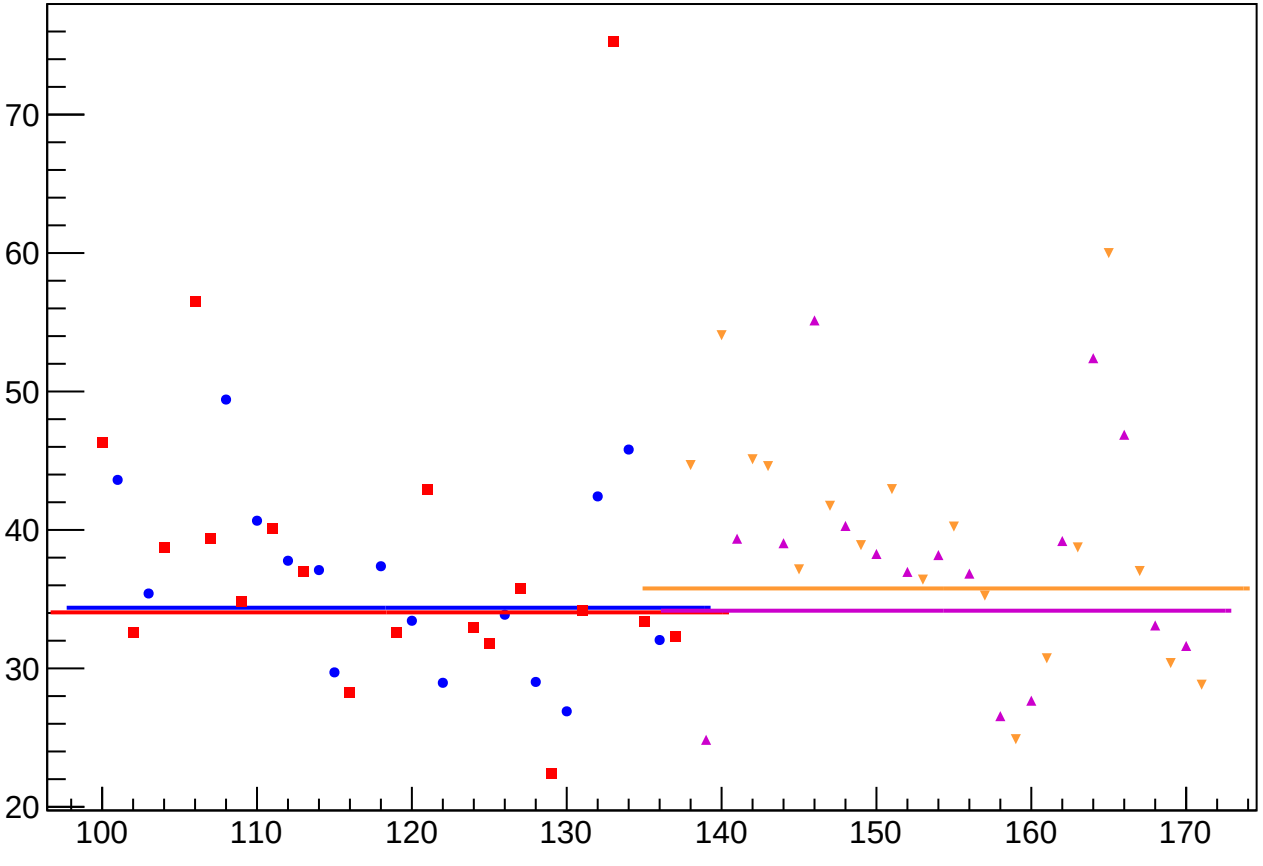
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:36.4/31

Out: -0.001+/-0.008 χ^2/NDF:46.6/36

All: 0.002+/-0.006 χ^2/NDF: 83.2/68

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: 34.167+/-0.007 χ^2/NDF:1057264.2/15

Left: 34.967+/-0.005 χ^2/NDF: 2211095.7/33

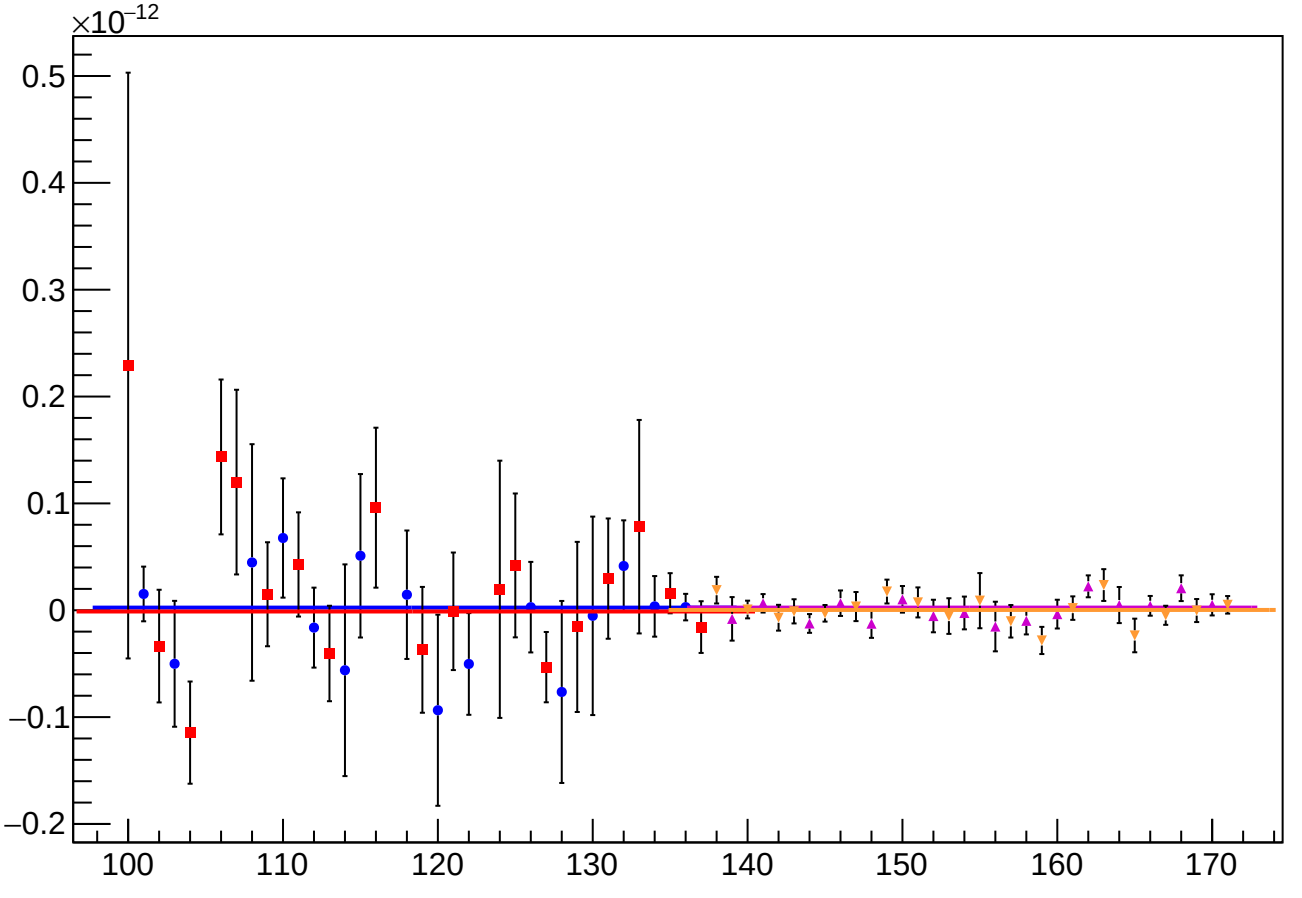
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.243+/-0.006 χ^2/NDF:1425533.1/31

Out: 35.148+/-0.006 χ^2/NDF:1792253.5/36

All: 34.696+/-0.004 χ^2/NDF: 3230692.7/68

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:13.4/15

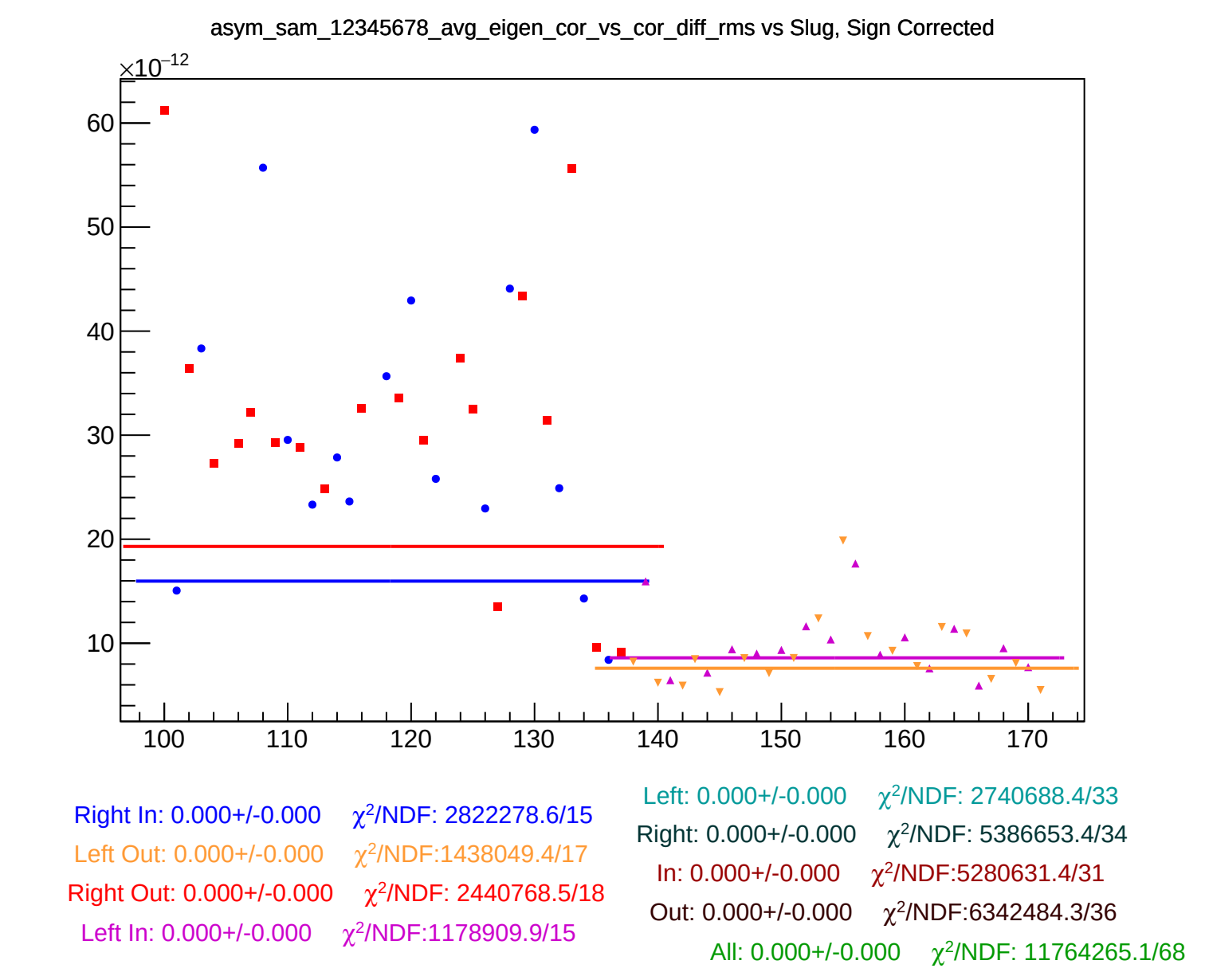
Left: 0.000+/-0.000 χ^2/NDF: 30.3/33

Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

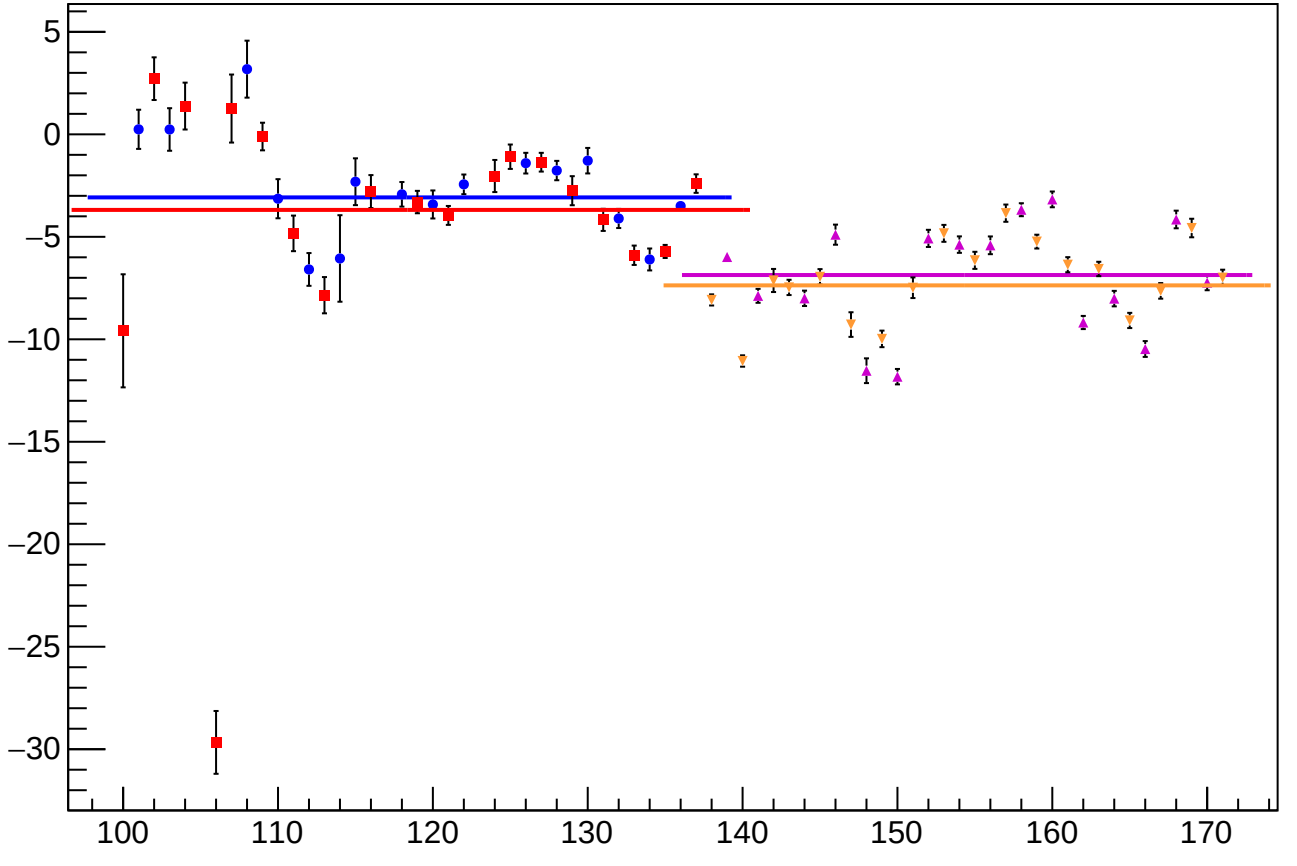
In: 0.000+/-0.000 χ^2/NDF:21.1/31

Out: 0.000+/-0.000 χ^2/NDF:38.2/36

All: 0.000+/-0.000 χ^2/NDF: 59.6/68


asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2822278.6/15
Left Out: 0.000+/-0.000 χ²/NDF:1438049.4/17
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1178909.9/15
Left: 0.000+/-0.000 χ²/NDF: 2740688.4/33
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:5280631.4/31
Out: 0.000+/-0.000 χ²/NDF:6342484.3/36
All: 0.000+/-0.000 χ²/NDF: 11764265.1/68

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -6.864+/-0.092 χ^2/NDF:706.7/15

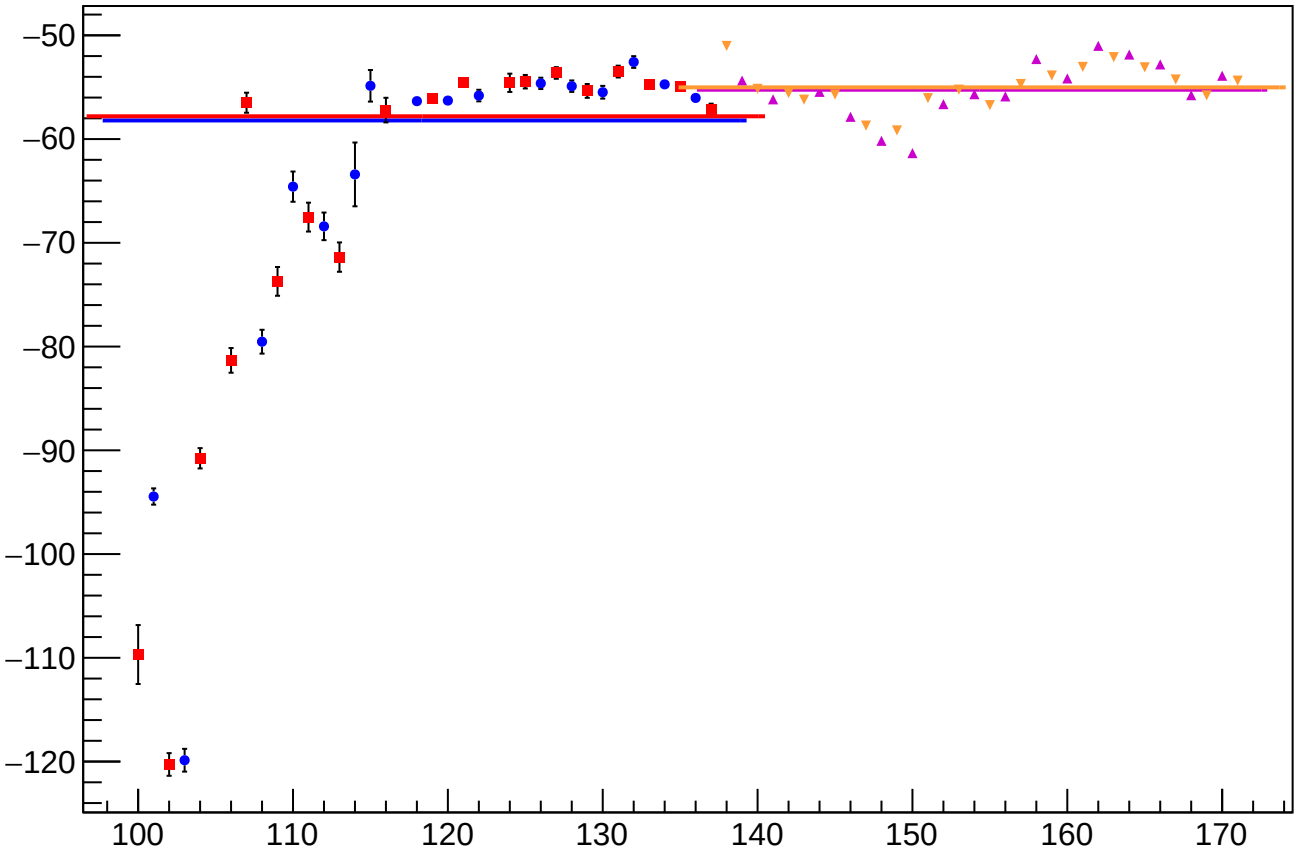
Left: -7.124+/-0.064 χ^2/NDF: 1189.3/33

Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.658+/-0.076 χ^2/NDF:1375.1/31

Out: -6.297+/-0.076 χ^2/NDF:1490.9/36

All: -5.981+/-0.054 χ^2/NDF: 2901.5/68



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: -55.242+/-0.070 χ^2/NDF:1682.9/15

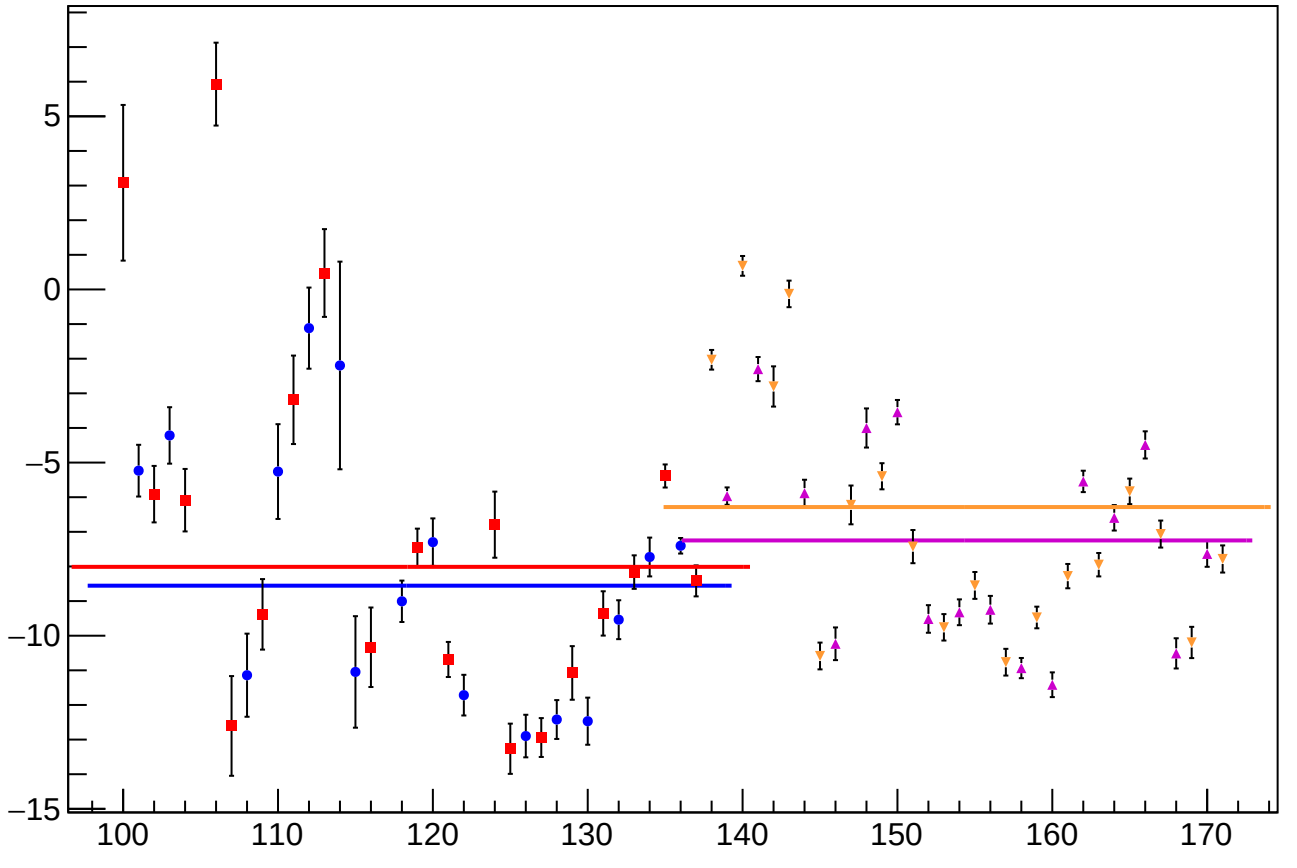
Left: -55.123+/-0.048 χ^2/NDF: 2632.3/33

Right: -58.008+/-0.097 χ^2/NDF: 11923.9/34

In: -55.864+/-0.062 χ^2/NDF:8187.0/31

Out: -55.534+/-0.060 χ^2/NDF:7066.5/36

All: -55.693+/-0.043 χ^2/NDF: 15268.2/68



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: -7.249+/-0.090 χ^2/NDF:947.7/15

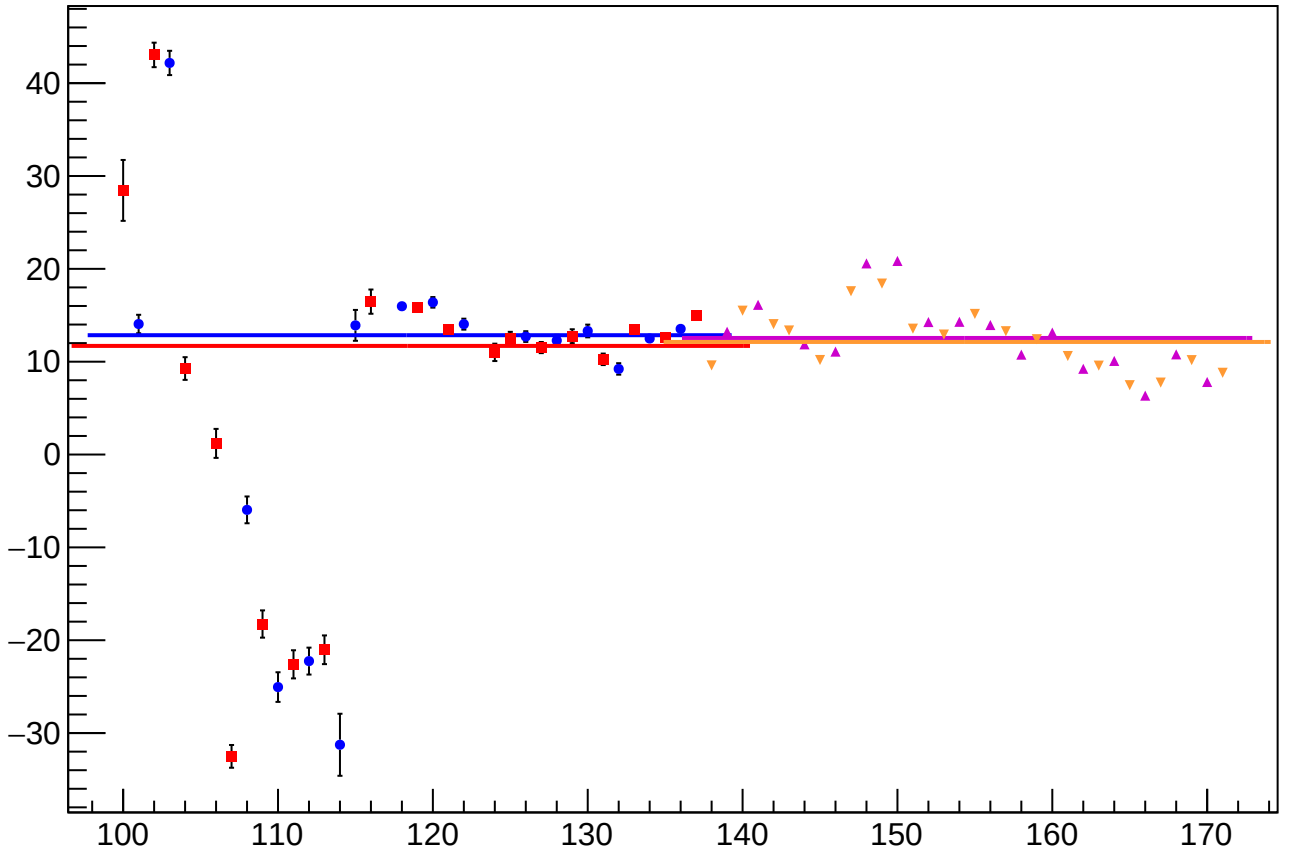
Left: -6.756+/-0.063 χ^2/NDF: 2761.3/33

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.615+/-0.077 χ^2/NDF:1307.1/31

Out: -6.716+/-0.076 χ^2/NDF:2340.2/36

All: -7.165+/-0.054 χ^2/NDF: 3716.3/68



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: 12.555+/-0.078 χ^2/NDF:2325.2/15

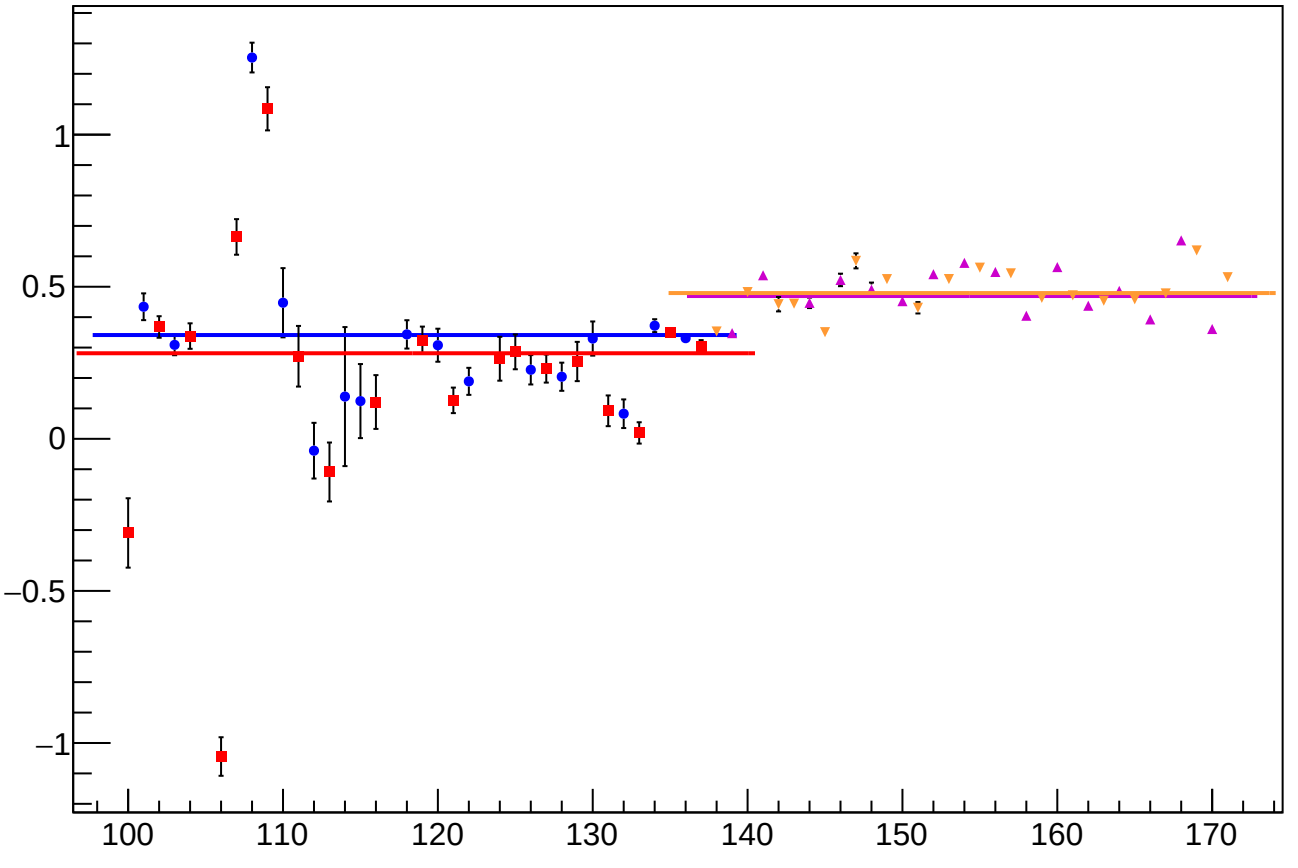
Left: 12.331+/-0.054 χ^2/NDF: 3982.0/33

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.619+/-0.069 χ^2/NDF:4456.7/31

Out: 12.045+/-0.067 χ^2/NDF:5146.0/36

All: 12.323+/-0.048 χ^2/NDF: 9637.9/68



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: 0.469+/-0.003 χ^2/NDF:710.3/15

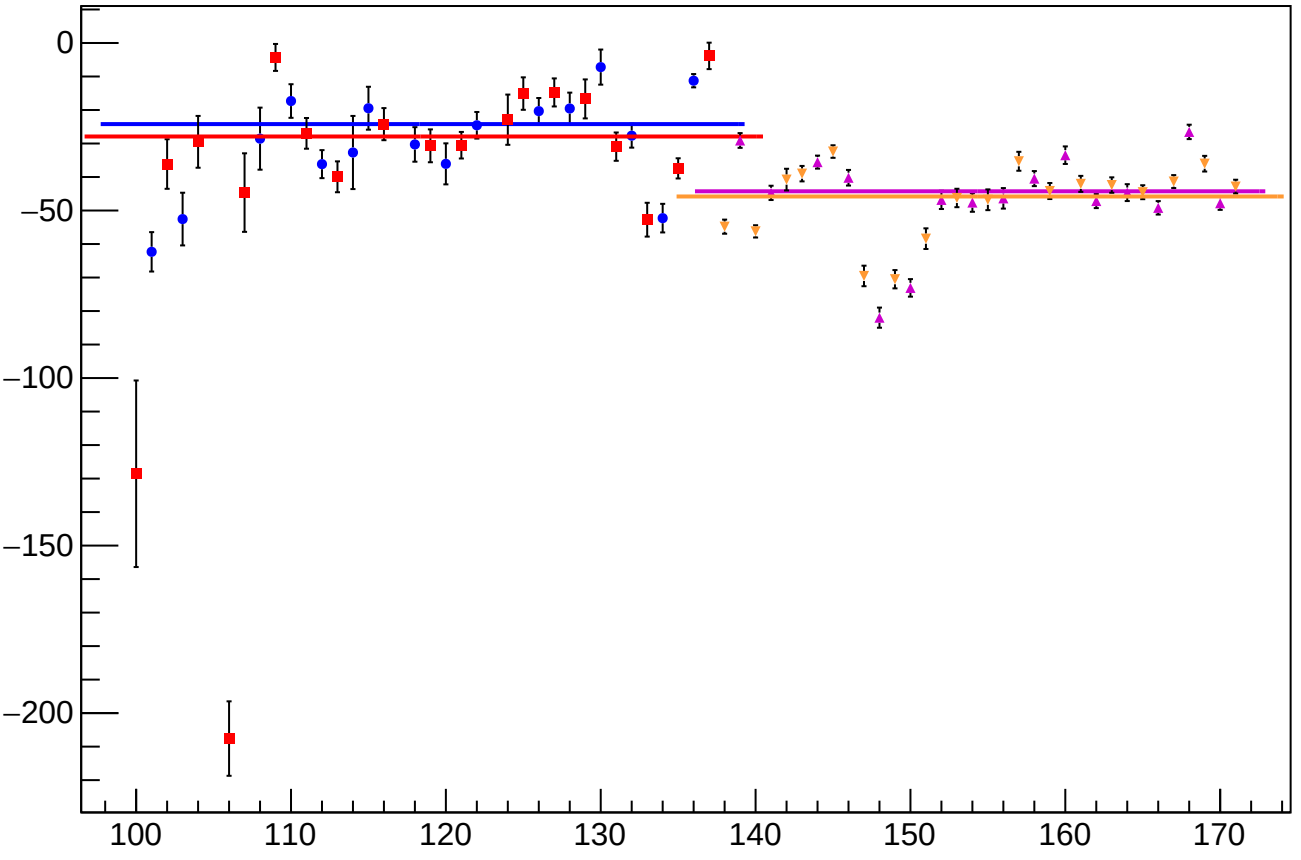
Left: 0.474+/-0.002 χ^2/NDF: 1141.8/33

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.450+/-0.003 χ^2/NDF:1370.3/31

Out: 0.453+/-0.003 χ^2/NDF:1679.3/36

All: 0.452+/-0.002 χ^2/NDF: 3050.1/68



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: -44.261+/-0.583 χ^2/NDF:450.9/15

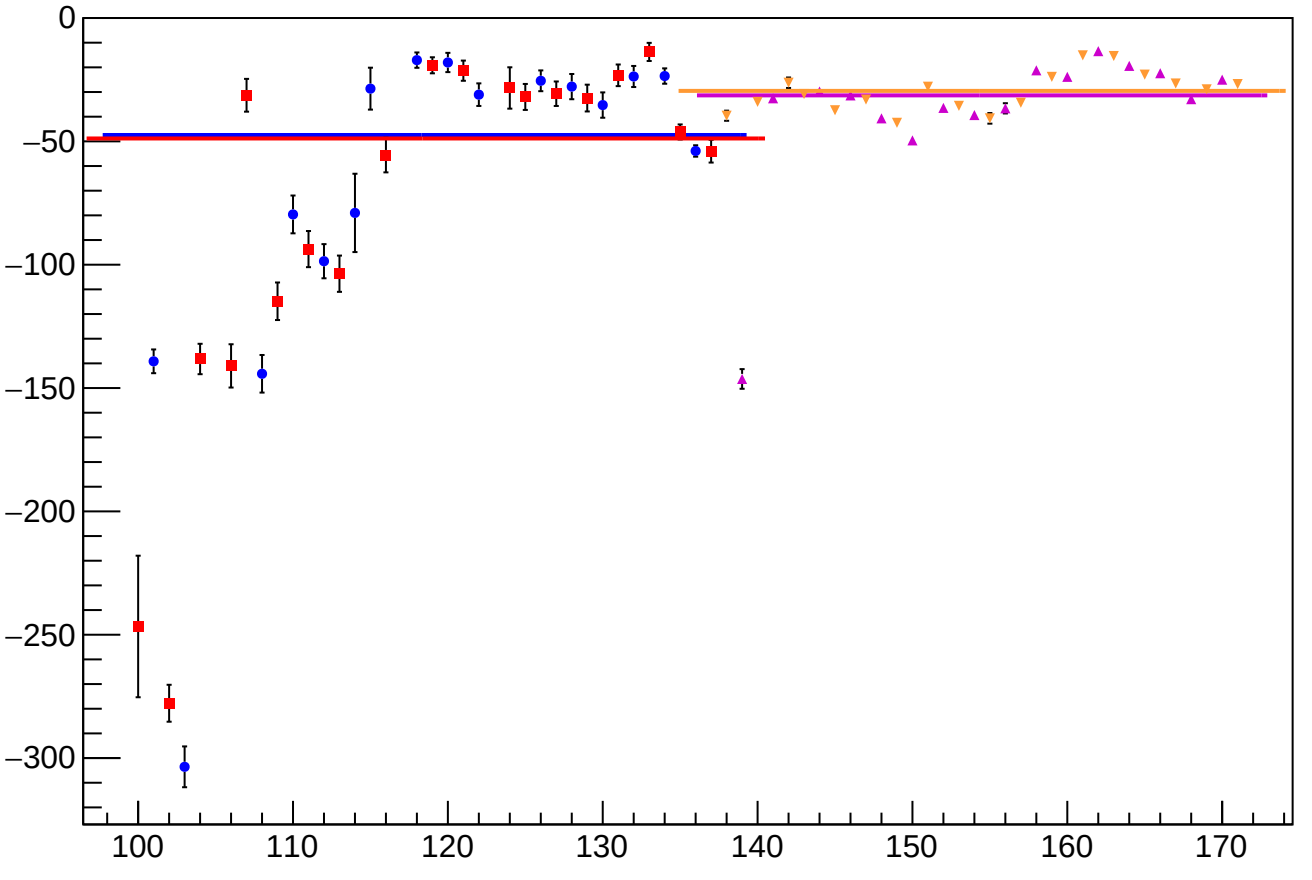
Left: -45.075+/-0.402 χ^2/NDF: 770.1/33

Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -39.780+/-0.514 χ^2/NDF:886.3/31

Out: -42.373+/-0.498 χ^2/NDF:929.2/36

All: -41.116+/-0.358 χ^2/NDF: 1828.7/68



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: -31.360+/-0.418 χ^2/NDF:1289.1/15

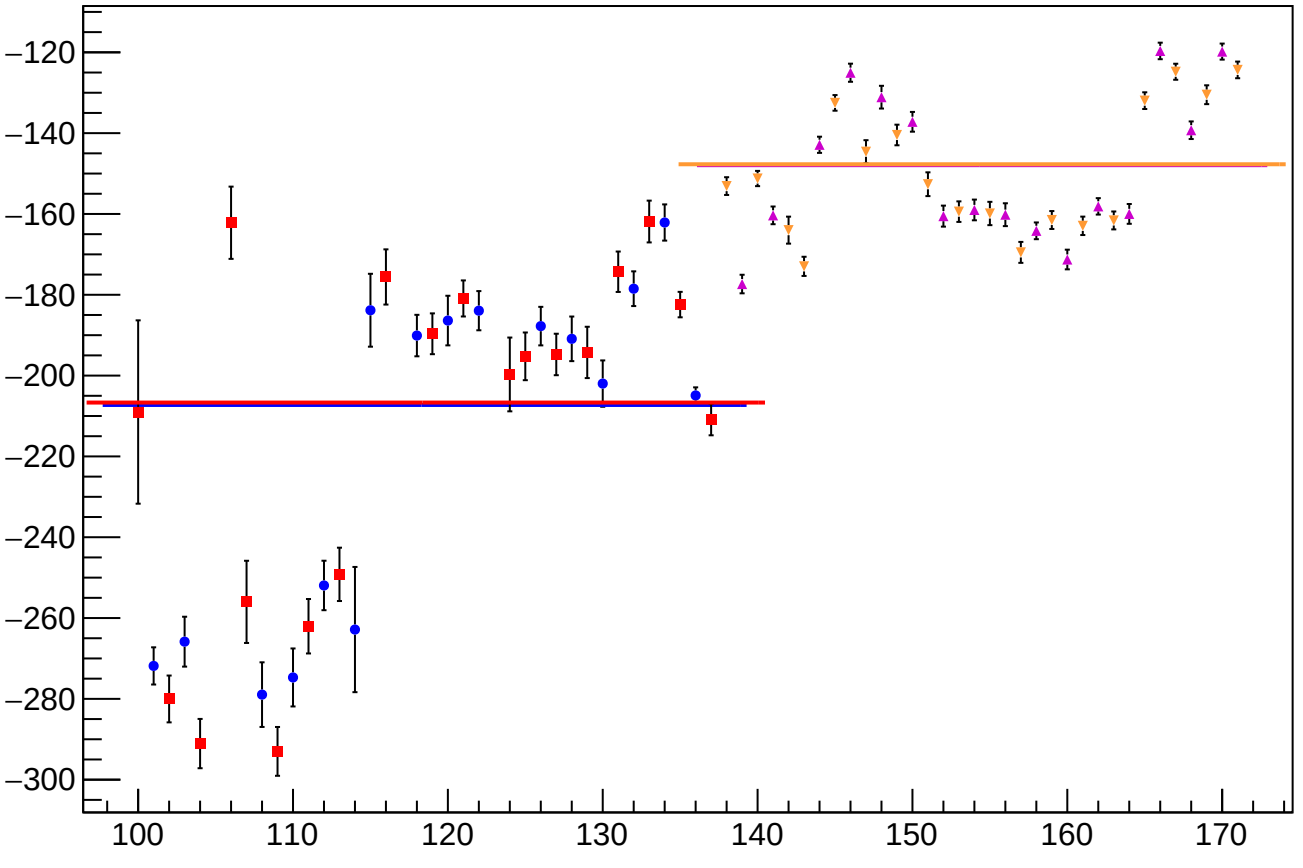
Left: -30.400+/-0.288 χ^2/NDF: 1658.3/33

Right: -48.076+/-0.806 χ^2/NDF: 3648.9/34

In: -33.387+/-0.391 χ^2/NDF:3348.5/31

Out: -31.485+/-0.375 χ^2/NDF:2373.2/36

All: -32.397+/-0.271 χ^2/NDF: 5734.1/68



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: -147.926+/-0.570 χ^2/NDF:1033.4/15

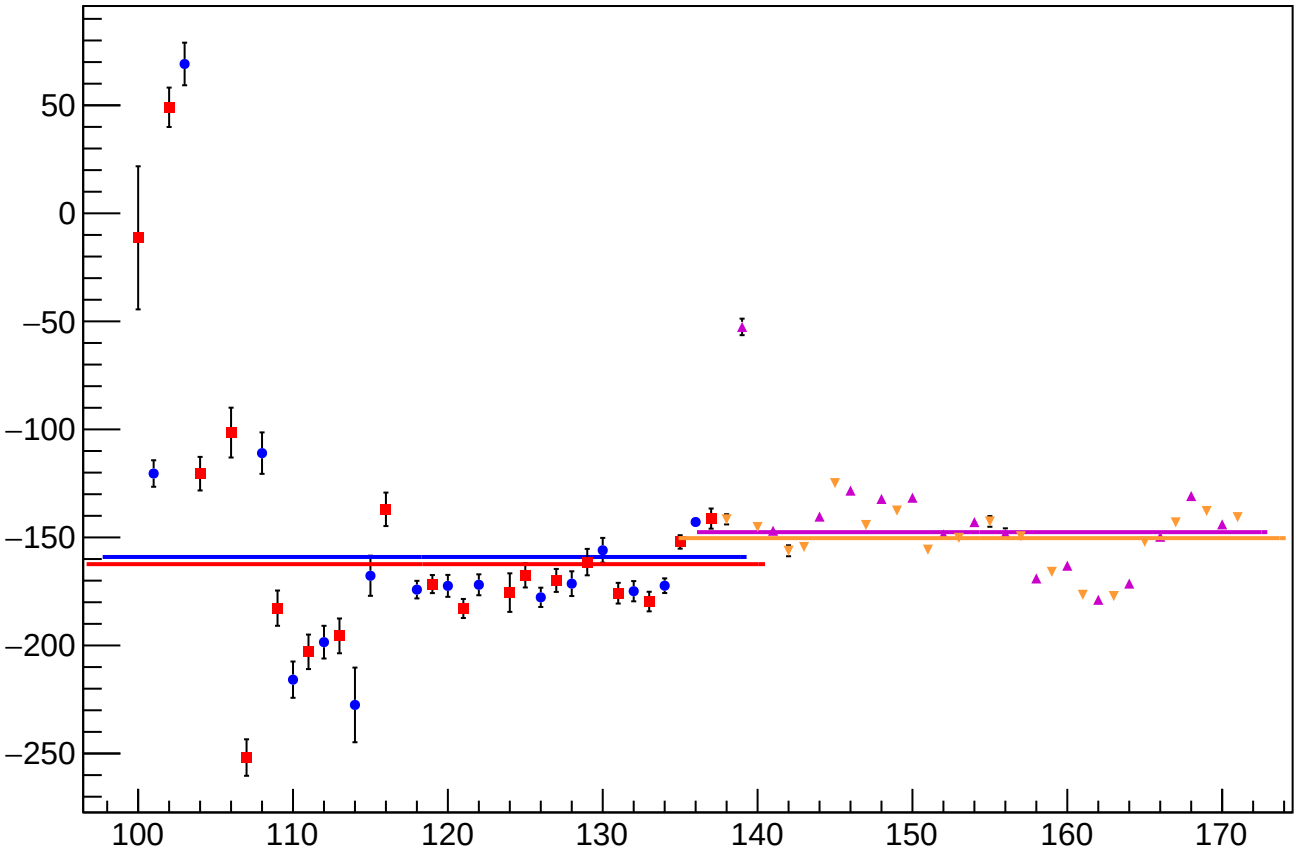
Left: -147.809+/-0.394 χ^2/NDF: 1861.1/33

Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

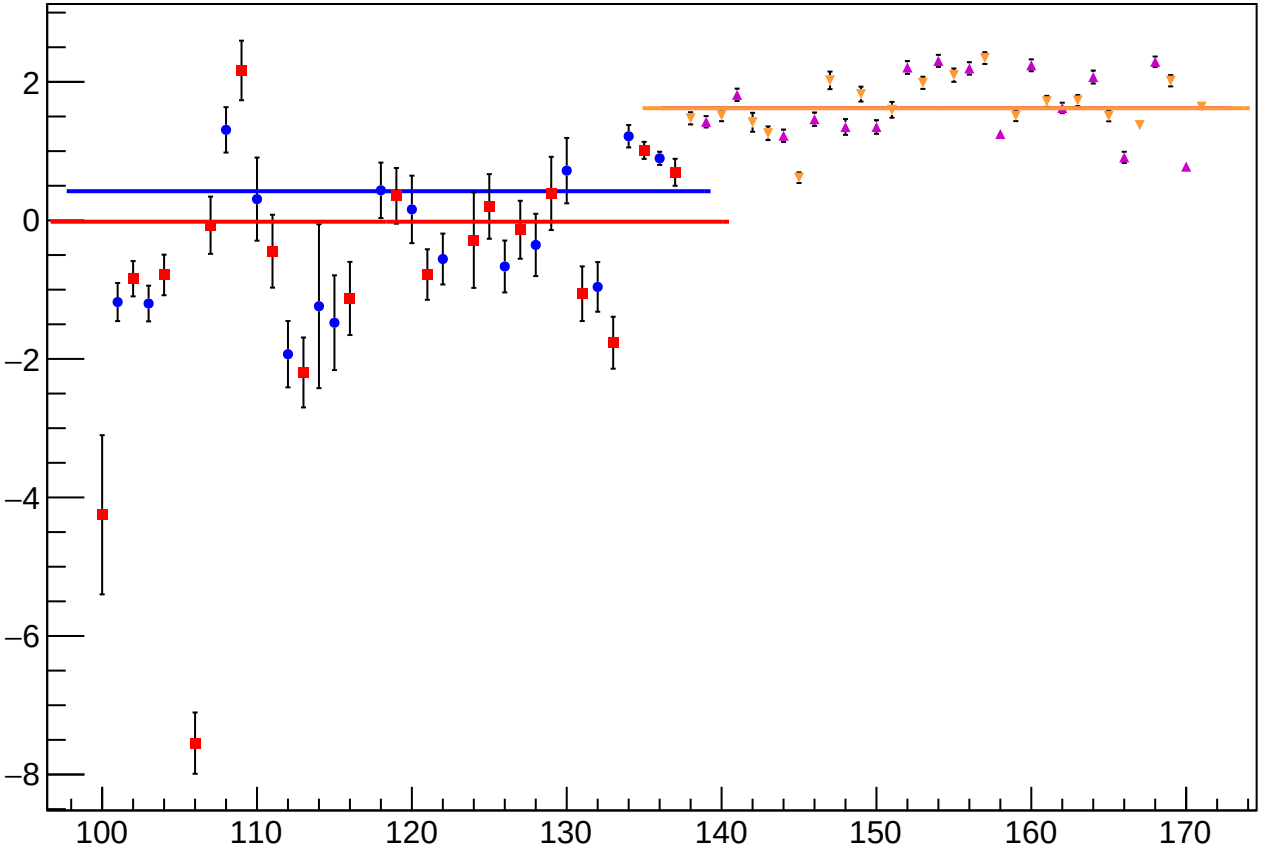
In: -159.174+/-0.513 χ^2/NDF:3837.2/31

Out: -156.804+/-0.503 χ^2/NDF:3593.5/36

All: -157.965+/-0.359 χ^2/NDF: 7441.6/68


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: -147.554+/-0.477 χ²/NDF:1688.6/15
Left: -149.014+/-0.328 χ²/NDF: 2675.9/33
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -149.068+/-0.445 χ²/NDF:2580.8/31
Out: -151.588+/-0.428 χ²/NDF:1916.1/36
All: -150.375+/-0.308 χ²/NDF: 4513.5/68

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.421+/-0.065 χ^2/NDF: 197.6/15

Left Out: 1.620+/-0.020 χ^2/NDF:362.1/17

Right Out: -0.019+/-0.072 χ^2/NDF: 488.2/18

Left In: 1.622+/-0.021 χ^2/NDF:597.4/15

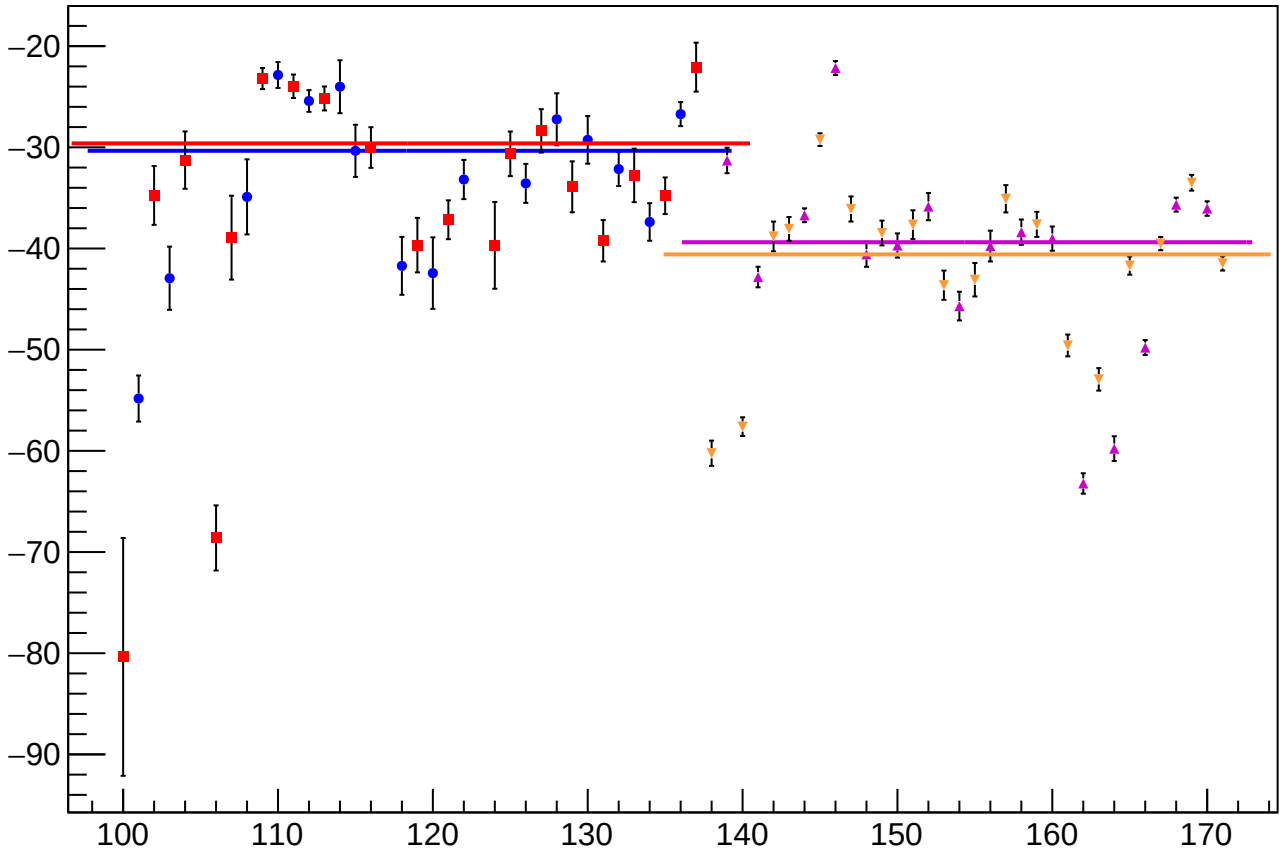
Left: 1.621+/-0.015 χ^2/NDF: 959.5/33

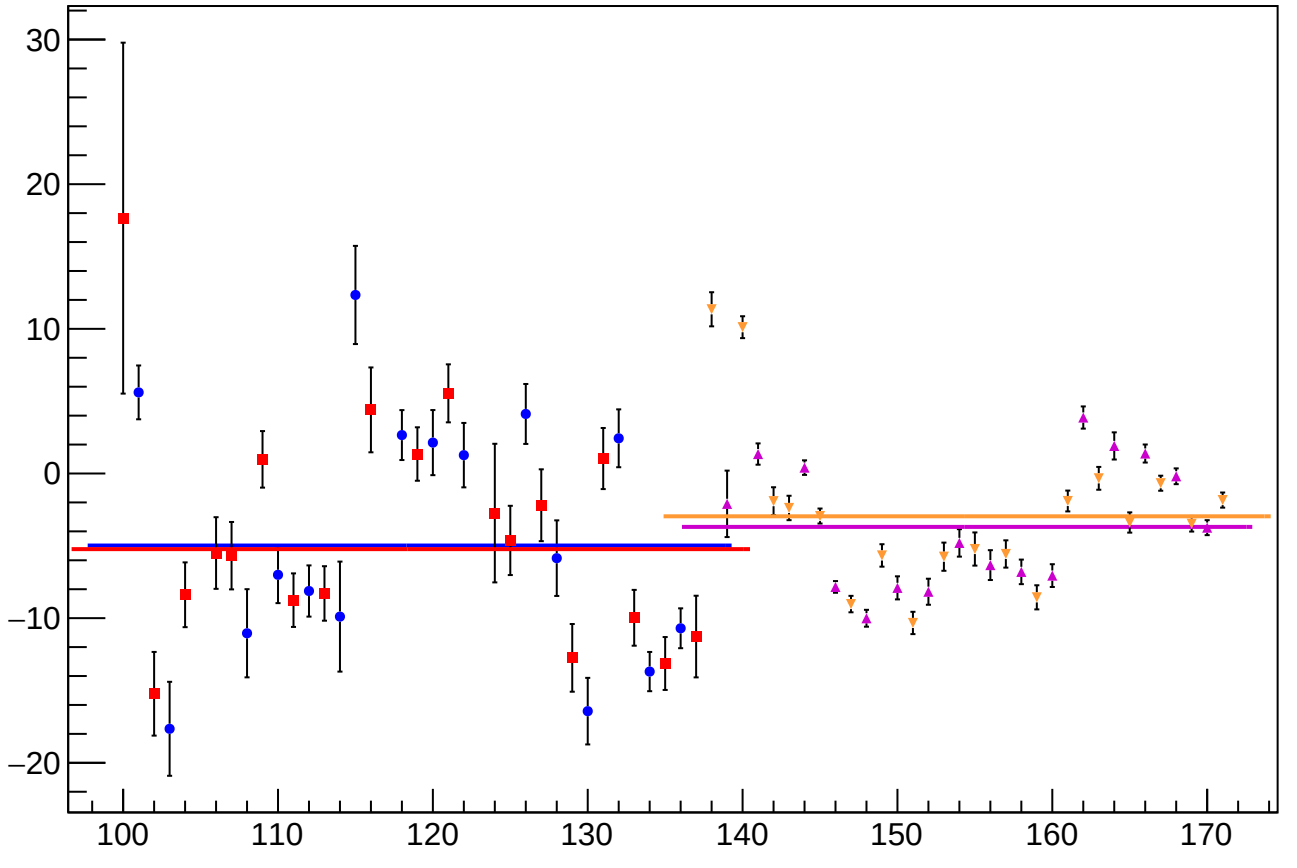
Right: 0.225+/-0.048 χ^2/NDF: 706.4/34

In: 1.505+/-0.020 χ^2/NDF:1104.7/31

Out: 1.499+/-0.020 χ^2/NDF:1326.0/36

All: 1.502+/-0.014 χ^2/NDF: 2430.7/68


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: -39.379+/-0.239 χ²/NDF:1803.7/15
Left: -39.994+/-0.167 χ²/NDF: 3066.1/33
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -37.510+/-0.213 χ²/NDF:2353.3/31
Out: -38.252+/-0.208 χ²/NDF:2045.7/36
All: -37.890+/-0.149 χ²/NDF: 4405.2/68



Right In: -4.980+/-0.510 χ^2/NDF: 237.3/15

Left Out: -2.960+/-0.167 χ^2/NDF:768.4/17

Right Out: -5.228+/-0.524 χ^2/NDF: 136.5/18

Left In: -3.692+/-0.168 χ^2/NDF:668.4/15

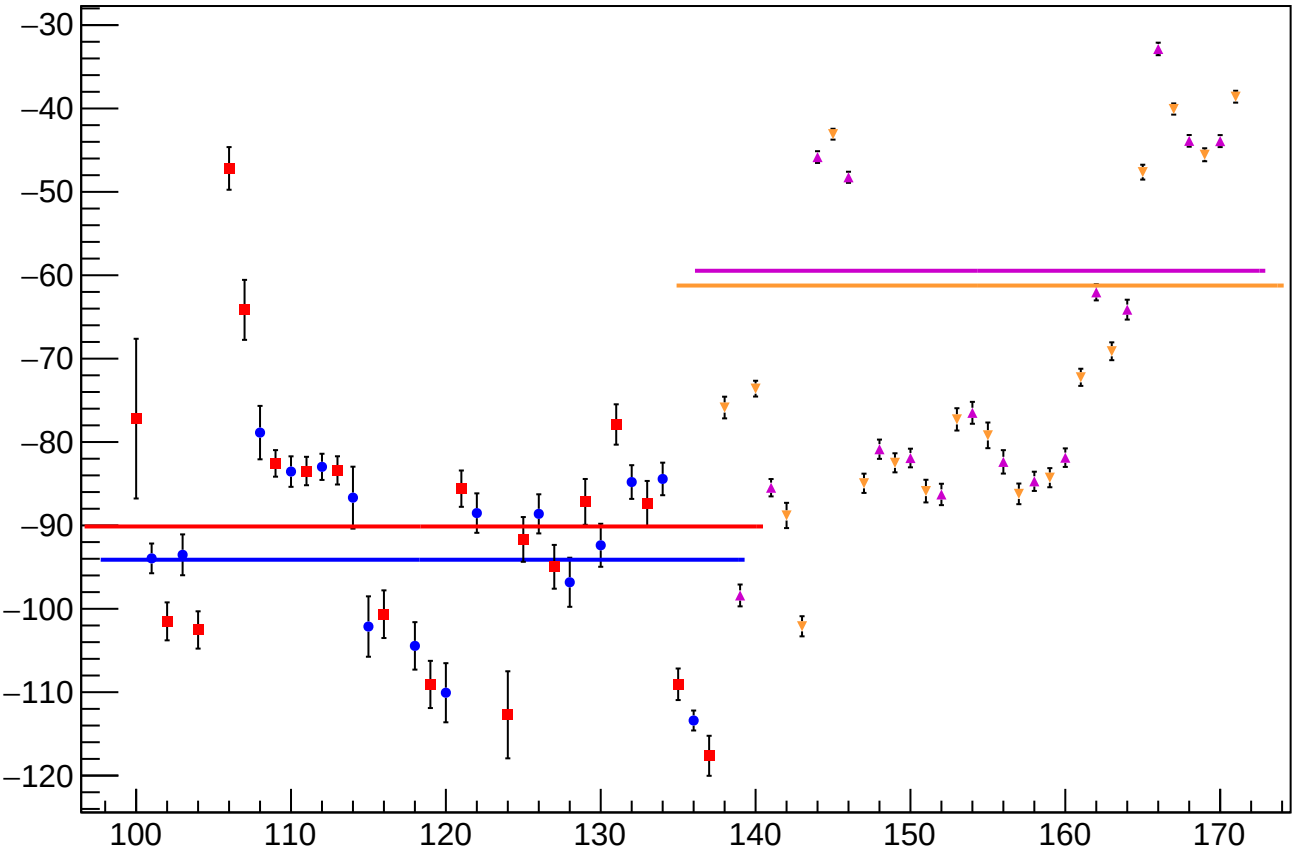
Left: -3.323+/-0.118 χ^2/NDF: 1446.4/33

Right: -5.100+/-0.365 χ^2/NDF: 373.9/34

In: -3.818+/-0.160 χ^2/NDF:911.5/31

Out: -3.169+/-0.159 χ^2/NDF:921.9/36

All: -3.492+/-0.113 χ^2/NDF: 1841.7/68



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: -59.462+/-0.235 χ^2/NDF:6907.9/15

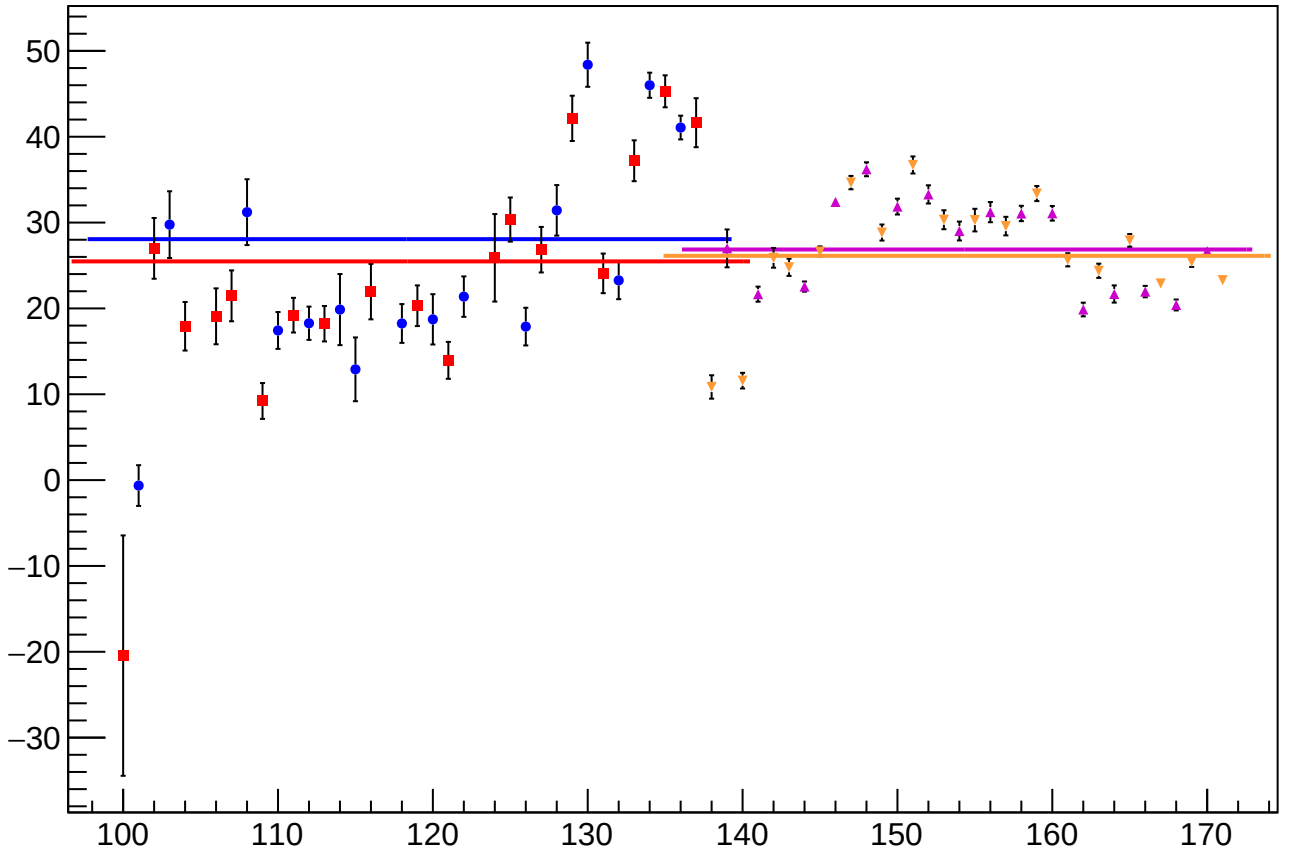
Left: -60.359+/-0.165 χ^2/NDF: 14491.7/33

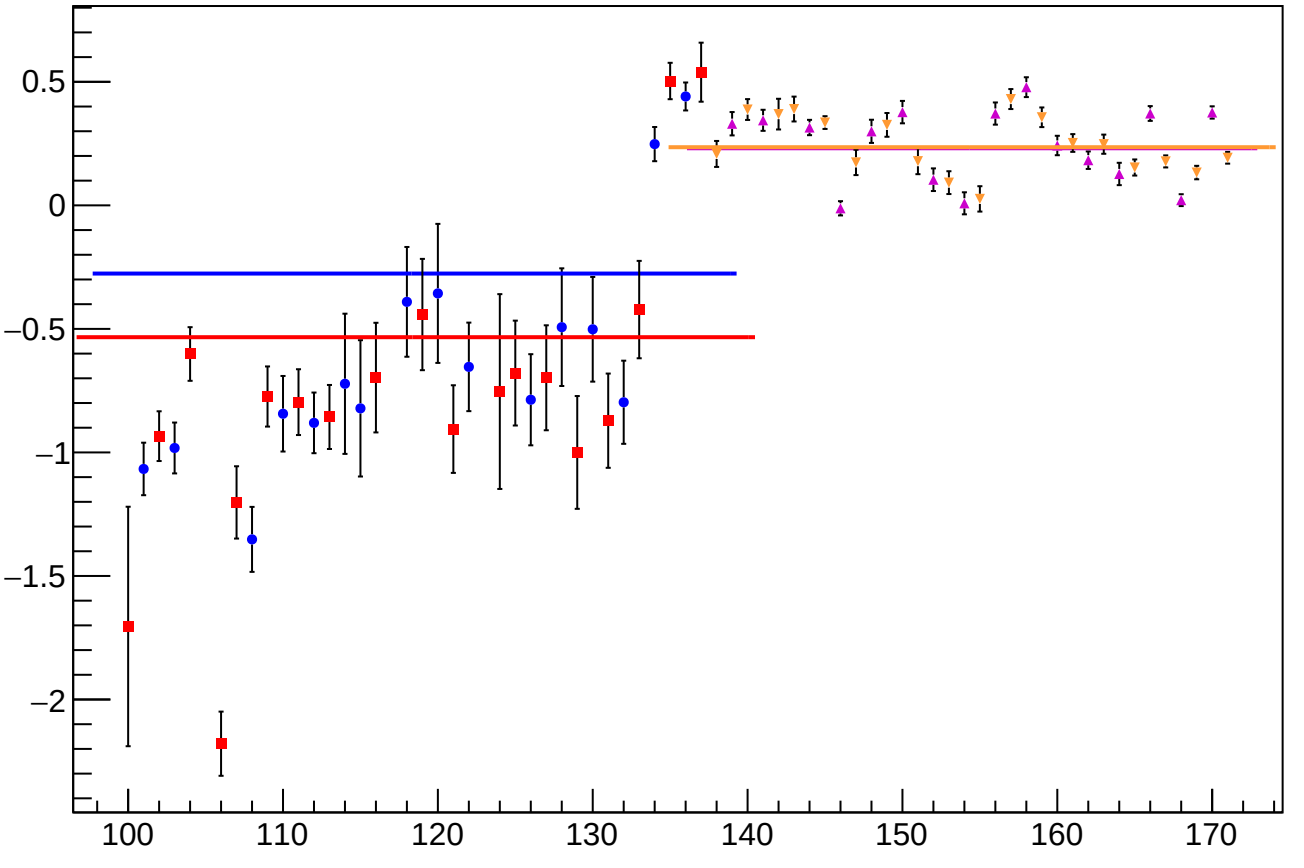
Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

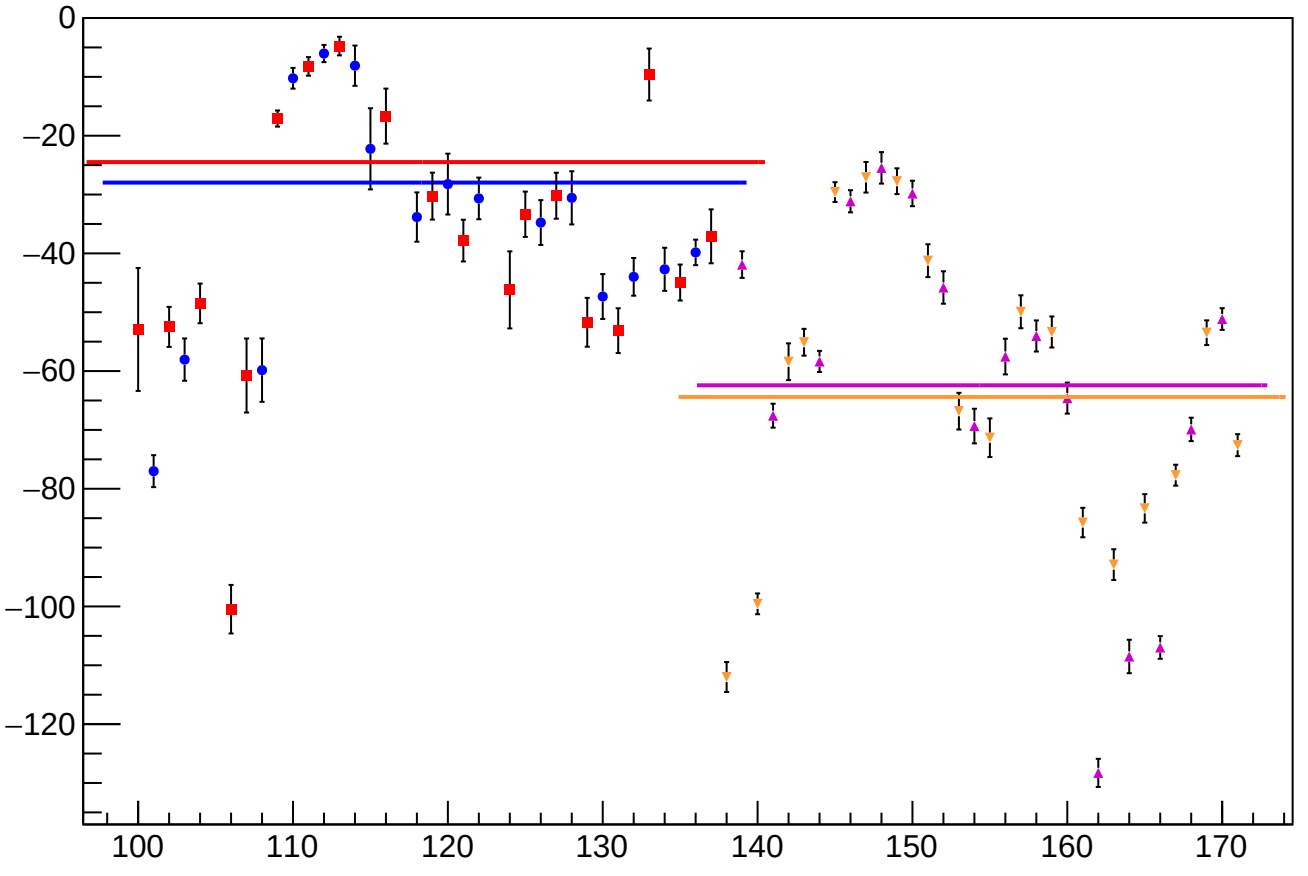
In: -65.036+/-0.215 χ^2/NDF:10868.8/31

Out: -65.698+/-0.213 χ^2/NDF:10738.9/36

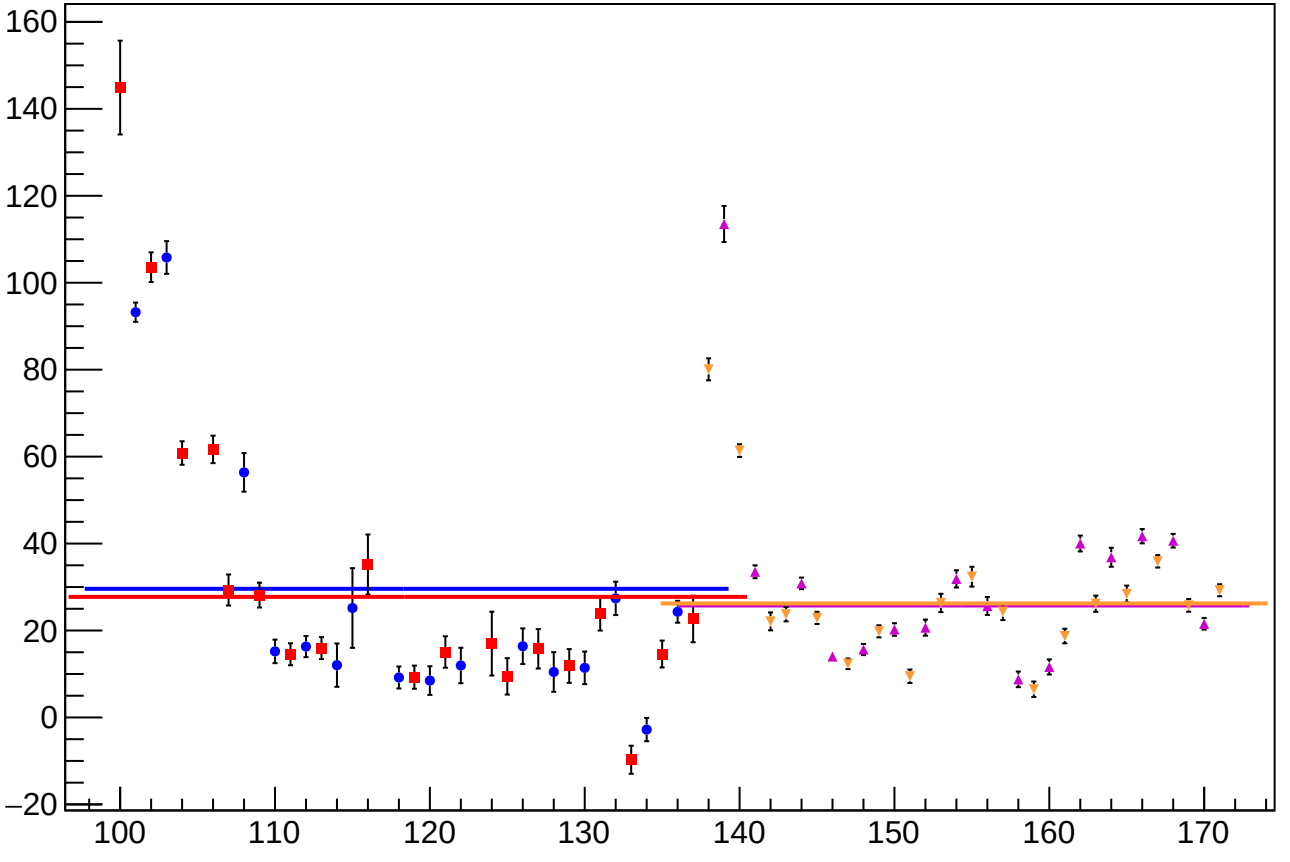
All: -65.370+/-0.152 χ^2/NDF: 21612.5/68


reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected
50
40
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: 28.068+/-0.569 χ²/NDF: 583.1/15
Left Out: 26.126+/-0.191 χ²/NDF:794.5/17
Right Out: 25.477+/-0.590 χ²/NDF: 354.6/18
Left In: 26.865+/-0.194 χ²/NDF:730.4/15
Left: 26.489+/-0.136 χ²/NDF: 1532.2/33
Right: 26.821+/-0.410 χ²/NDF: 947.7/34
In: 26.990+/-0.184 χ²/NDF:1317.5/31
Out: 26.065+/-0.182 χ²/NDF:1150.2/36
All: 26.522+/-0.129 χ²/NDF: 2480.6/68


reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected
0.5
0
−0.5
−1
−1.5
−2
100
110
120
130
140
150
160
170
Right In: -0.276+/-0.031 χ²/NDF: 455.6/15
Left Out: 0.235+/-0.009 χ²/NDF:136.9/17
Right Out: -0.534+/-0.033 χ²/NDF: 510.3/18
Left In: 0.231+/-0.009 χ²/NDF:322.3/15
Left: 0.233+/-0.006 χ²/NDF: 459.3/33
Right: -0.396+/-0.022 χ²/NDF: 998.8/34
In: 0.192+/-0.009 χ²/NDF:1030.6/31
Out: 0.186+/-0.008 χ²/NDF:1159.9/36
All: 0.189+/-0.006 χ²/NDF: 2190.7/68


reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -27.967+/-0.728 χ²/NDF: 894.7/15
Left Out: -64.403+/-0.544 χ²/NDF:2155.7/17
Right Out: -24.485+/-0.663 χ²/NDF: 989.7/18
Left In: -62.419+/-0.564 χ²/NDF:2449.7/15
Left: -63.448+/-0.392 χ²/NDF: 4611.9/33
Right: -26.064+/-0.490 χ²/NDF: 1896.8/34
In: -49.480+/-0.446 χ²/NDF:4744.4/31
Out: -48.350+/-0.420 χ²/NDF:5313.6/36
All: -48.882+/-0.306 χ²/NDF: 10061.4/68

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 25.758+/-0.402 χ^2/NDF:1124.9/15

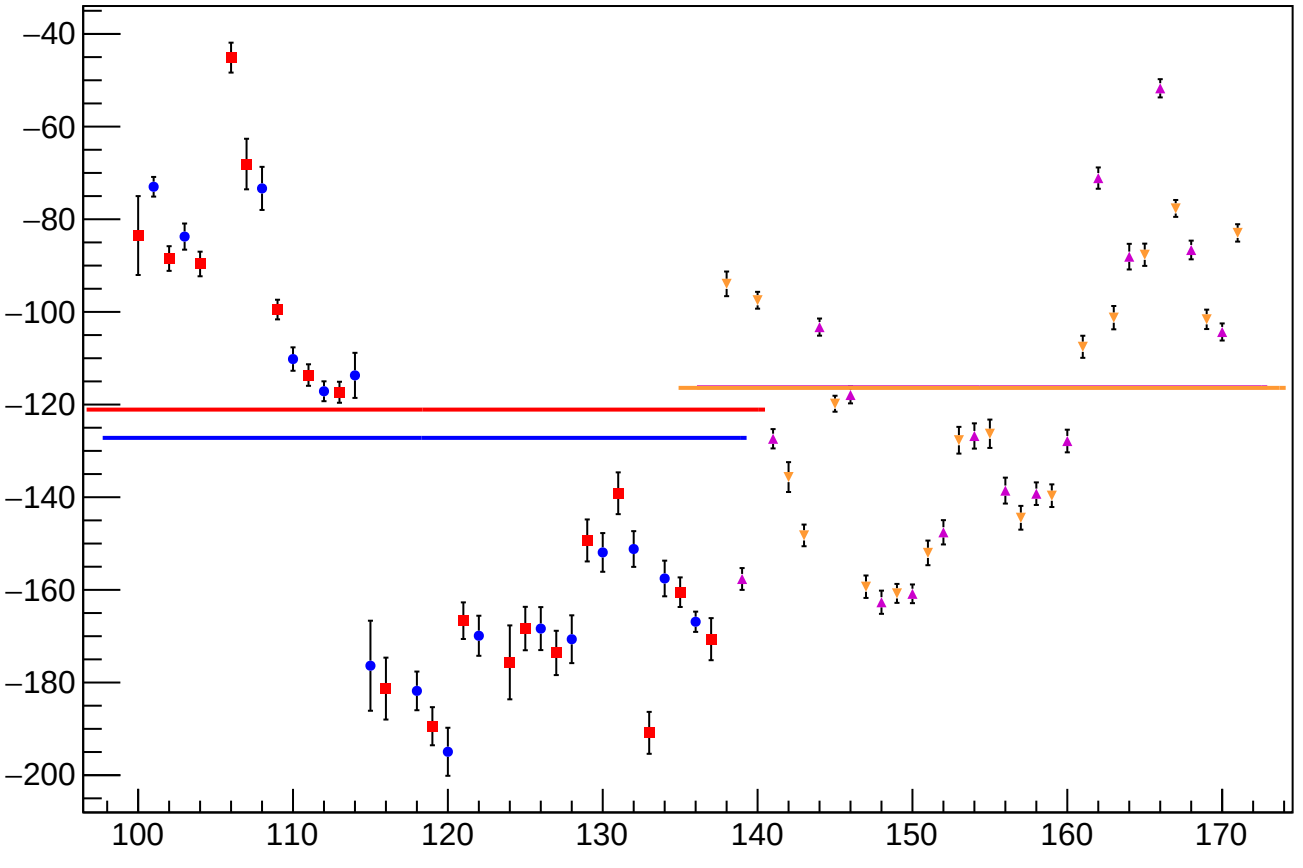
Left: 26.001+/-0.278 χ^2/NDF: 2640.4/33

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 26.520+/-0.360 χ^2/NDF:2808.7/31

Out: 26.511+/-0.347 χ^2/NDF:2702.8/36

All: 26.515+/-0.250 χ^2/NDF: 5511.5/68



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: -116.268+/-0.553 χ^2/NDF:3371.4/15

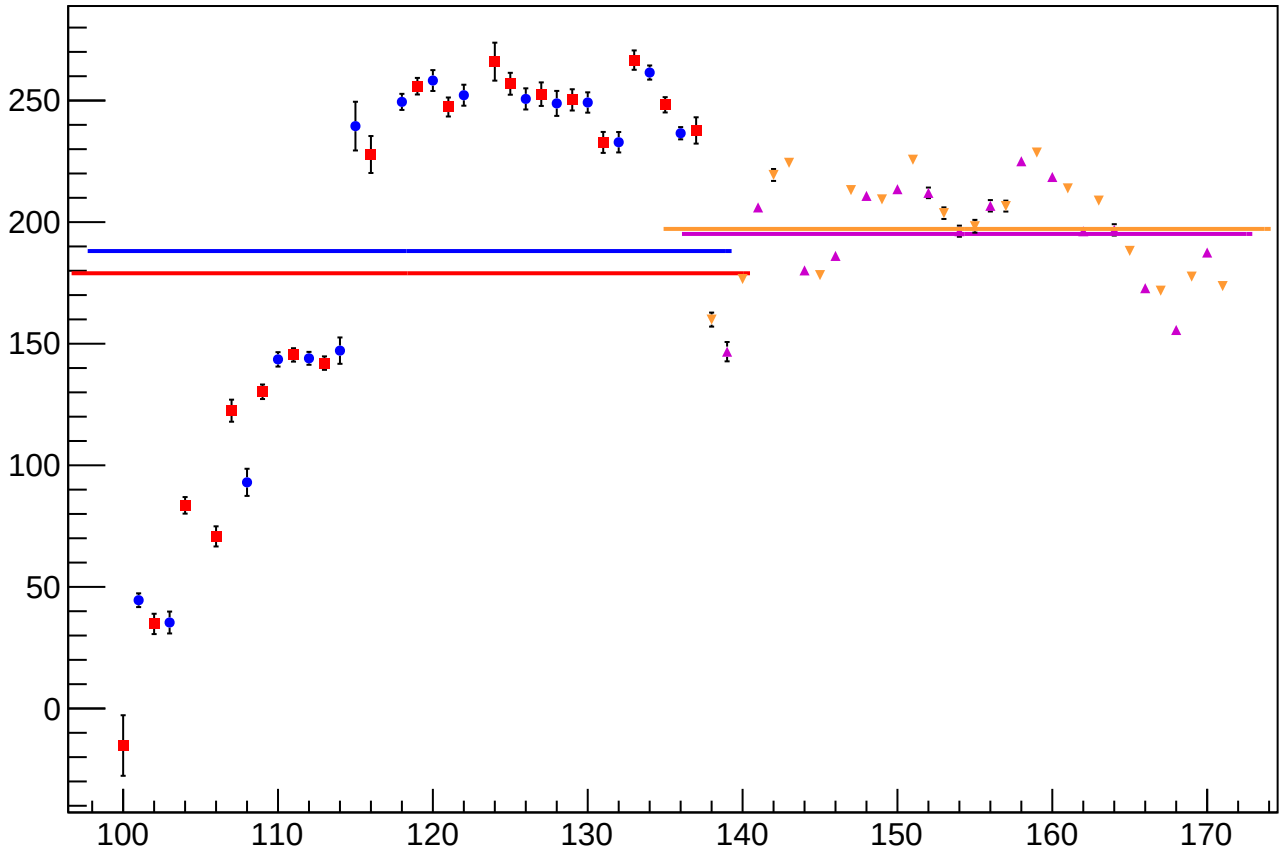
Left: -116.334+/-0.385 χ^2/NDF: 5987.8/33

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -119.628+/-0.460 χ^2/NDF:5669.6/31

Out: -117.856+/-0.445 χ^2/NDF:5037.5/36

All: -118.713+/-0.320 χ^2/NDF: 10714.8/68



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: 195.140+/-0.462 χ^2/NDF:1664.8/15

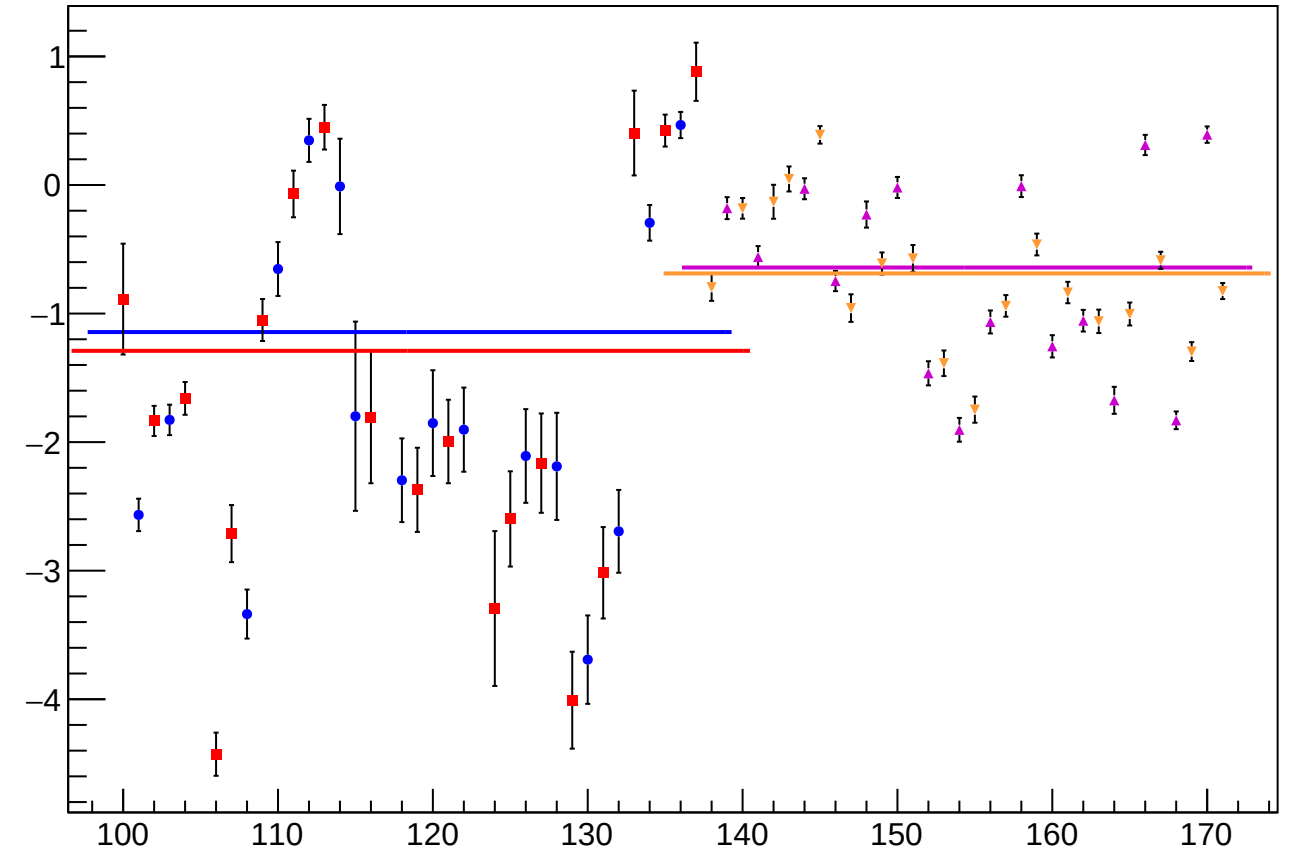
Left: 196.217+/-0.320 χ^2/NDF: 3846.2/33

Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 193.717+/-0.413 χ^2/NDF:8830.3/31

Out: 193.696+/-0.399 χ^2/NDF:9165.4/36

All: 193.706+/-0.287 χ^2/NDF: 17995.7/68



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: -0.642+/-0.021 χ^2/NDF:1382.5/15

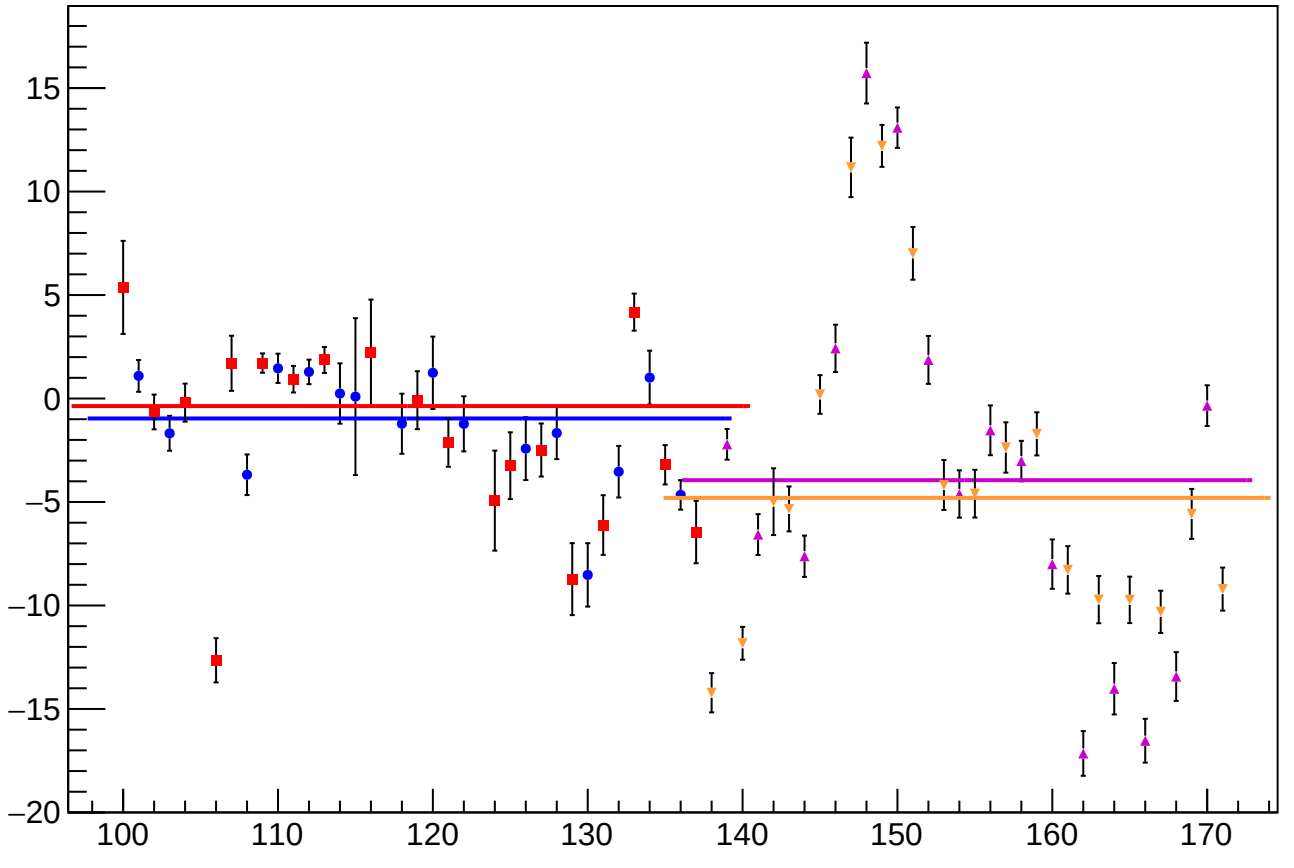
Left: -0.666+/-0.014 χ^2/NDF: 2041.0/33

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.721+/-0.019 χ^2/NDF:2262.0/31

Out: -0.779+/-0.019 χ^2/NDF:1790.7/36

All: -0.751+/-0.013 χ^2/NDF: 4057.5/68



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: -3.946+/-0.265 χ^2/NDF:1017.5/15

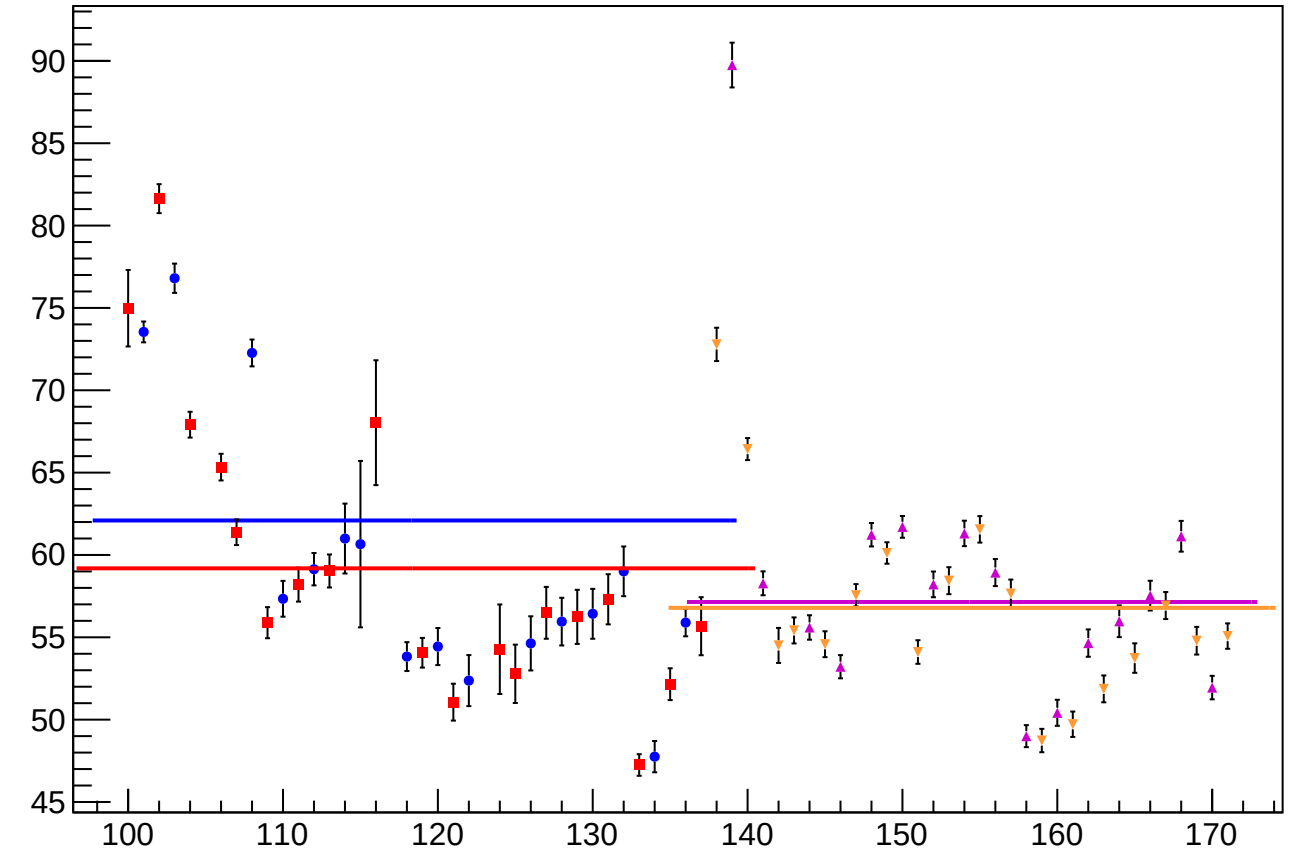
Left: -4.386+/-0.185 χ^2/NDF: 1827.3/33

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.386+/-0.183 χ^2/NDF:1186.8/31

Out: -2.274+/-0.169 χ^2/NDF:1254.2/36

All: -2.325+/-0.124 χ^2/NDF: 2441.2/68



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: 57.144+/-0.196 χ^2/NDF:1032.4/15

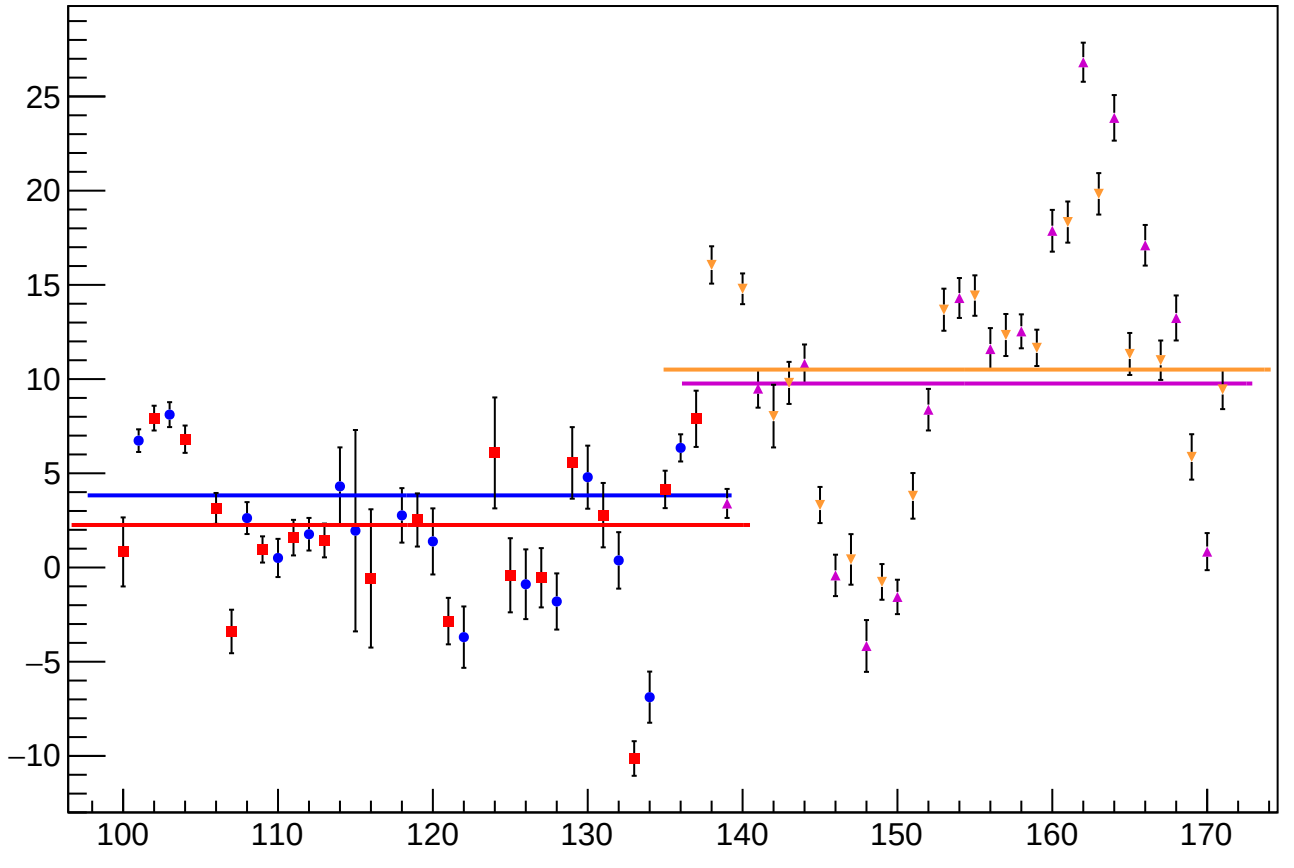
Left: 56.957+/-0.135 χ^2/NDF: 1860.0/33

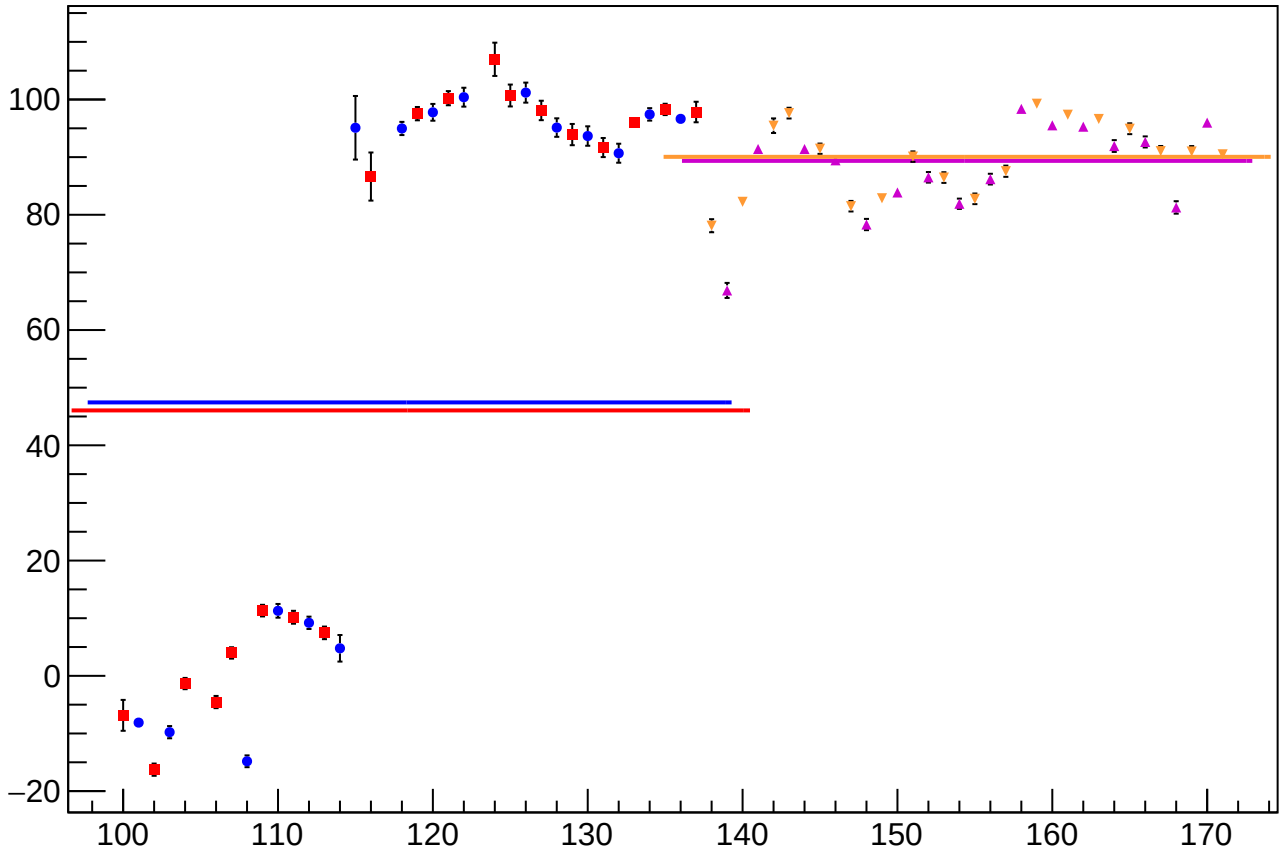
Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.891+/-0.158 χ^2/NDF:2558.8/31

Out: 57.667+/-0.147 χ^2/NDF:2289.3/36

All: 58.238+/-0.108 χ^2/NDF: 4880.3/68


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: 9.764+/-0.259 χ²/NDF:1040.3/15
Left: 10.143+/-0.181 χ²/NDF: 1556.3/33
Right: 2.985+/-0.181 χ²/NDF: 599.4/34
In: 6.870+/-0.185 χ²/NDF:1505.5/31
Out: 6.278+/-0.176 χ²/NDF:1429.8/36
All: 6.560+/-0.128 χ²/NDF: 2940.7/68



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: 89.352+/-0.222 χ^2/NDF:990.3/15

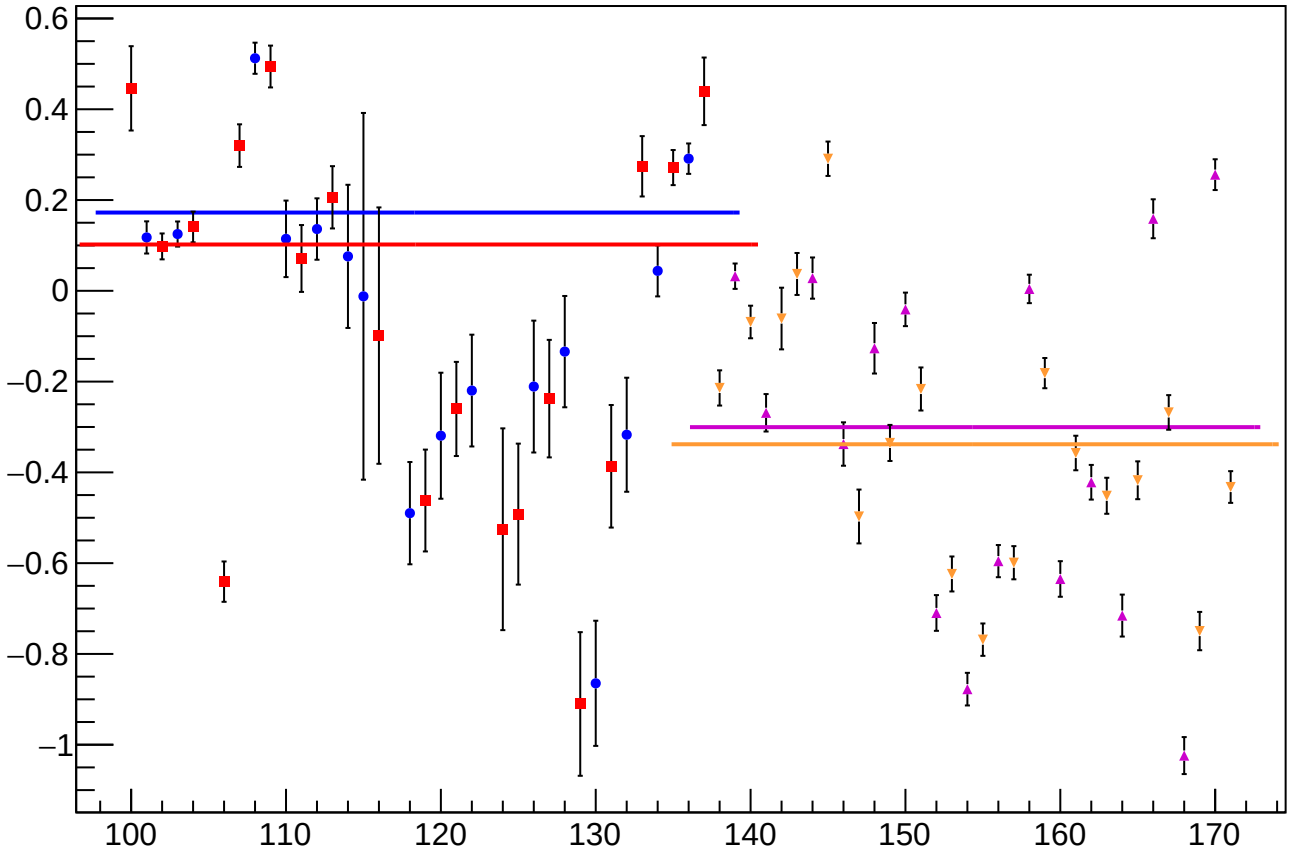
Left: 89.719+/-0.153 χ^2/NDF: 1865.9/33

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 75.020+/-0.180 χ^2/NDF:40055.2/31

Out: 74.381+/-0.170 χ^2/NDF:45174.5/36

All: 74.681+/-0.124 χ^2/NDF: 85236.4/68



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: -0.300+/-0.010 χ^2/NDF:1646.6/15

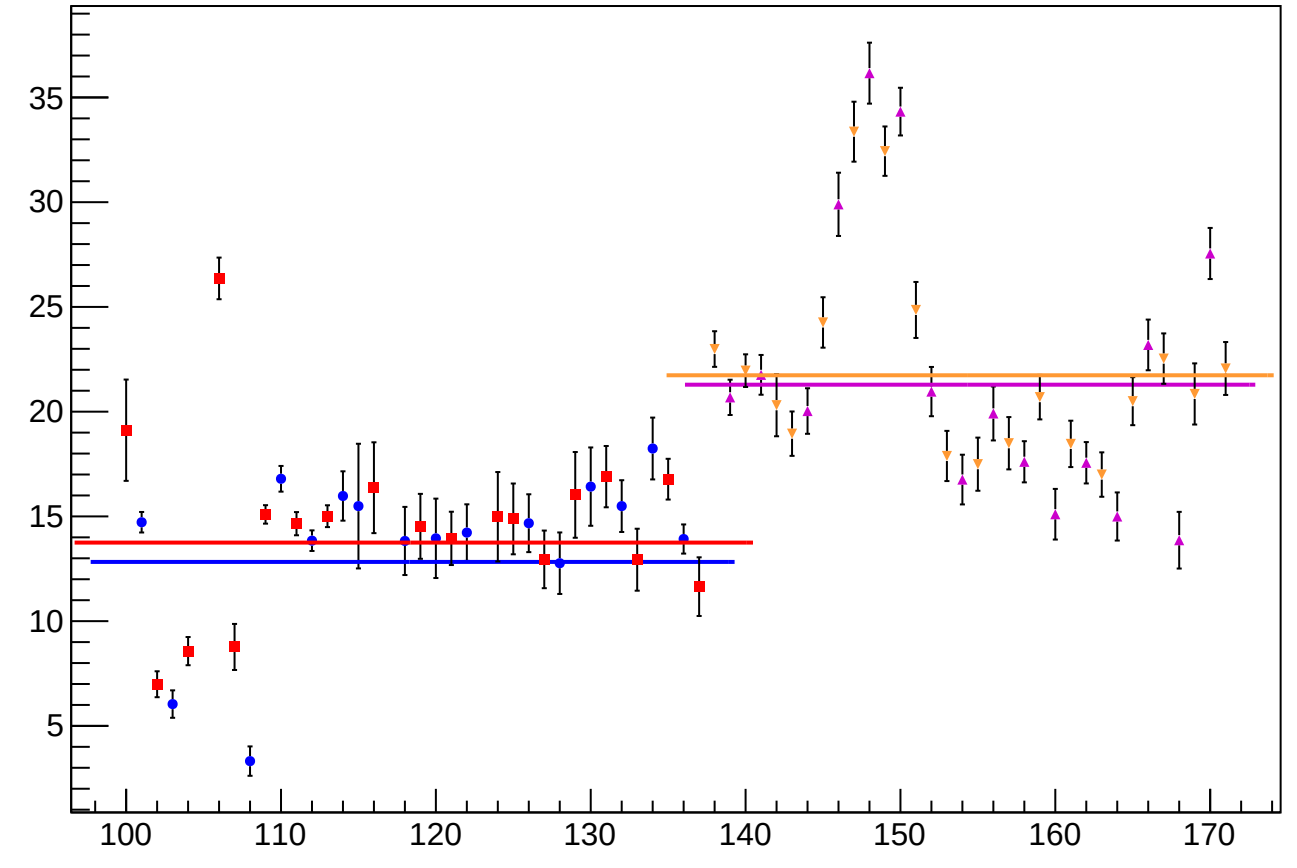
Left: -0.320+/-0.007 χ^2/NDF: 2484.9/33

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.152+/-0.008 χ^2/NDF:2677.0/31

Out: -0.193+/-0.008 χ^2/NDF:2107.2/36

All: -0.173+/-0.006 χ^2/NDF: 4798.3/68



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: 21.288+/-0.283 χ^2/NDF:429.3/15

Left: 21.525+/-0.195 χ^2/NDF: 659.0/33

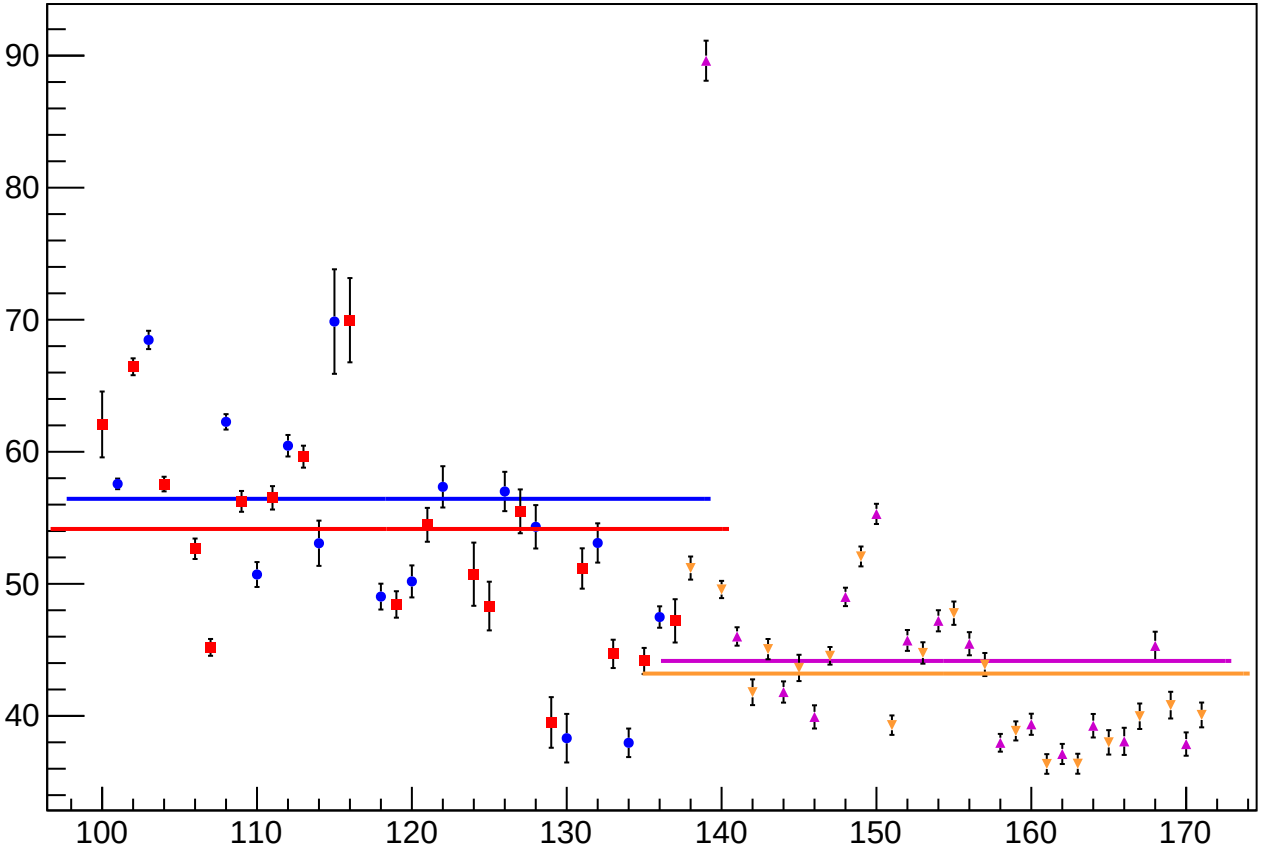
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 15.906+/-0.171 χ^2/NDF:1385.9/31

Out: 16.683+/-0.162 χ^2/NDF:1194.7/36

All: 16.314+/-0.118 χ^2/NDF: 2591.4/68

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 44.162+/-0.207 χ^2/NDF:1541.1/15

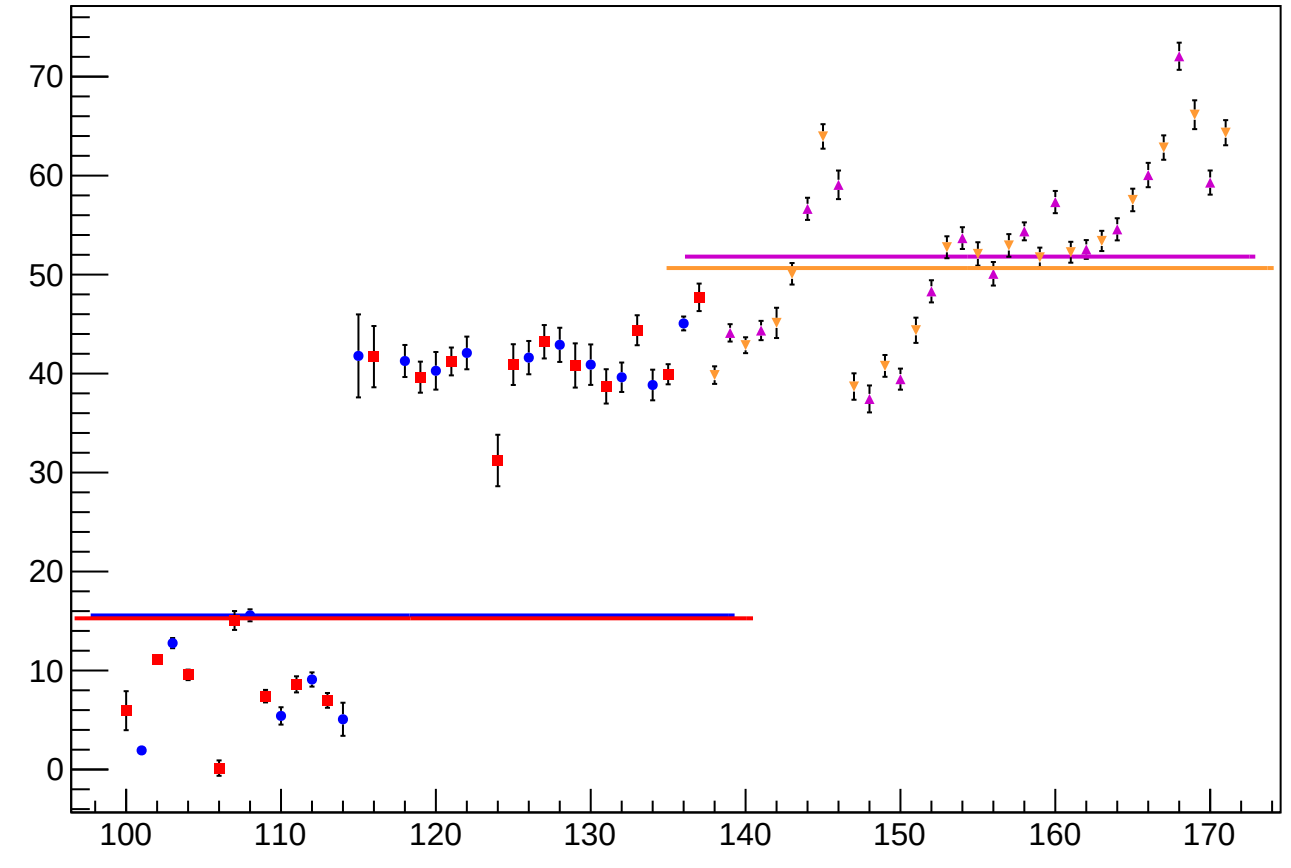
Left: 43.648+/-0.141 χ^2/NDF: 2203.8/33

Right: 55.311+/-0.158 χ^2/NDF: 2146.9/34

In: 49.864+/-0.151 χ^2/NDF:4269.3/31

Out: 47.822+/-0.146 χ^2/NDF:3033.9/36

All: 48.806+/-0.105 χ^2/NDF: 7397.7/68



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: 51.817+/-0.276 χ^2/NDF:780.4/15

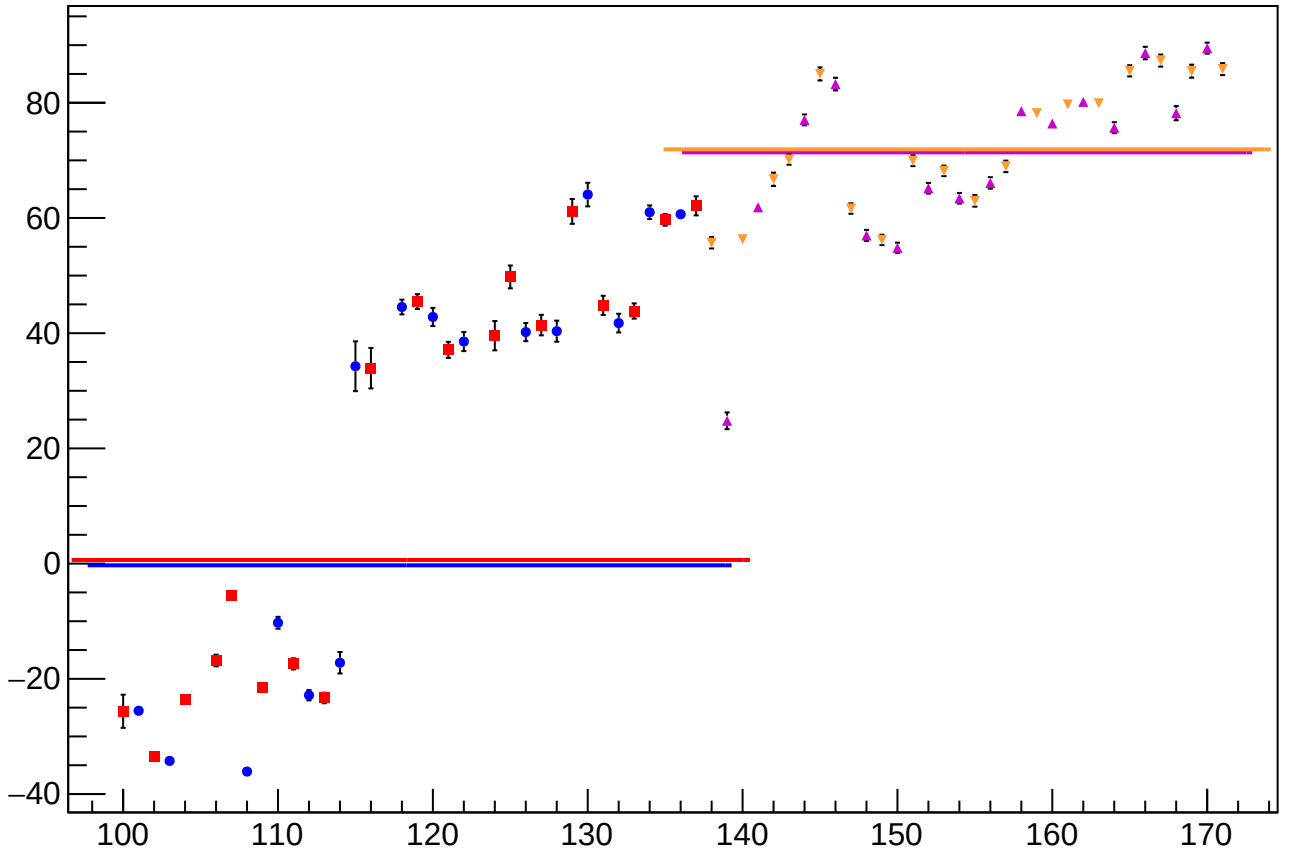
Left: 51.212+/-0.190 χ^2/NDF: 1729.4/33

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 29.199+/-0.169 χ^2/NDF:16754.0/31

Out: 29.770+/-0.168 χ^2/NDF:15497.1/36

All: 29.485+/-0.119 χ^2/NDF: 32256.9/68



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: 71.390+/-0.234 χ^2/NDF:2949.6/15

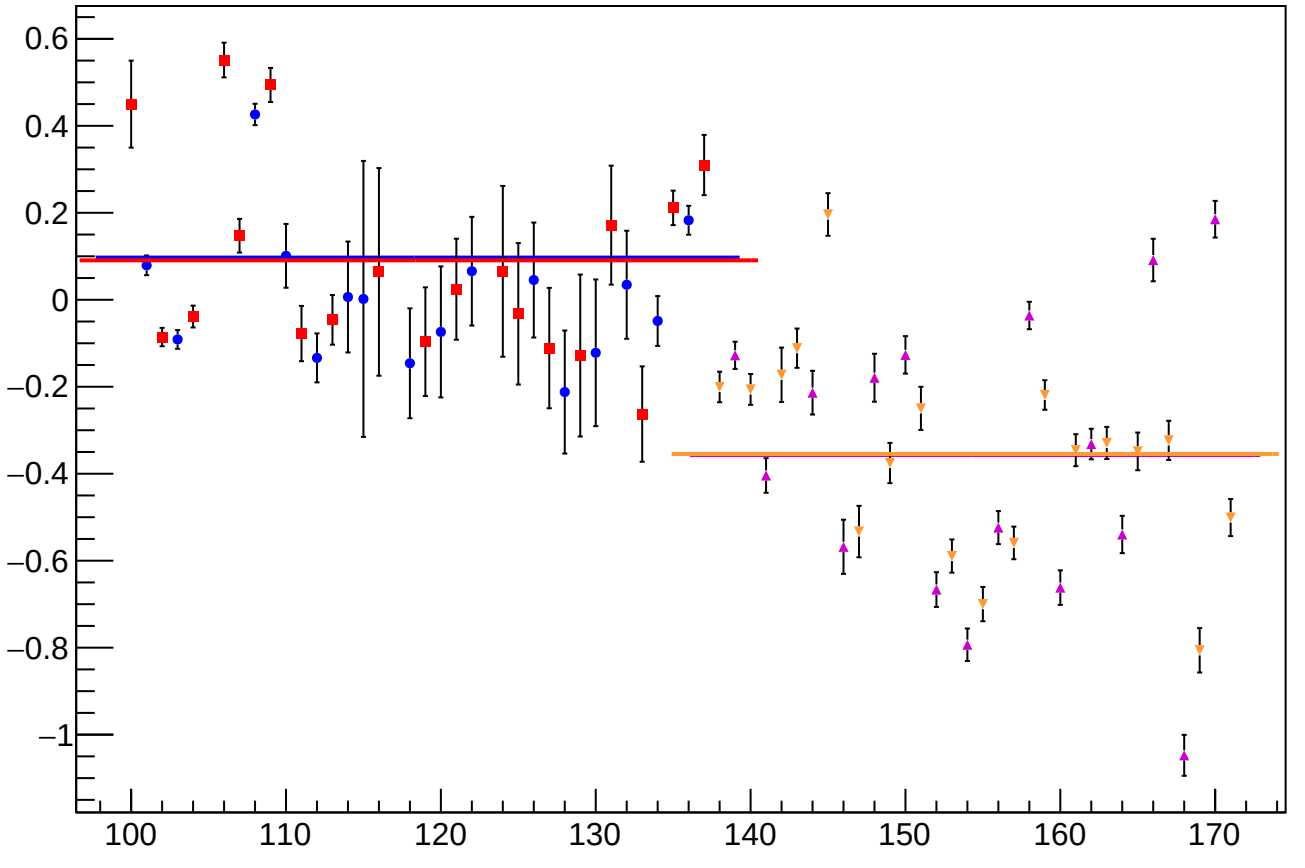
Left: 71.668+/-0.160 χ^2/NDF: 5312.2/33

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

In: 39.459+/-0.174 χ^2/NDF:65688.2/31

Out: 42.678+/-0.169 χ^2/NDF:61516.1/36

All: 41.121+/-0.121 χ^2/NDF: 127380.2/68



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: -0.357+/-0.010 χ^2/NDF:975.0/15

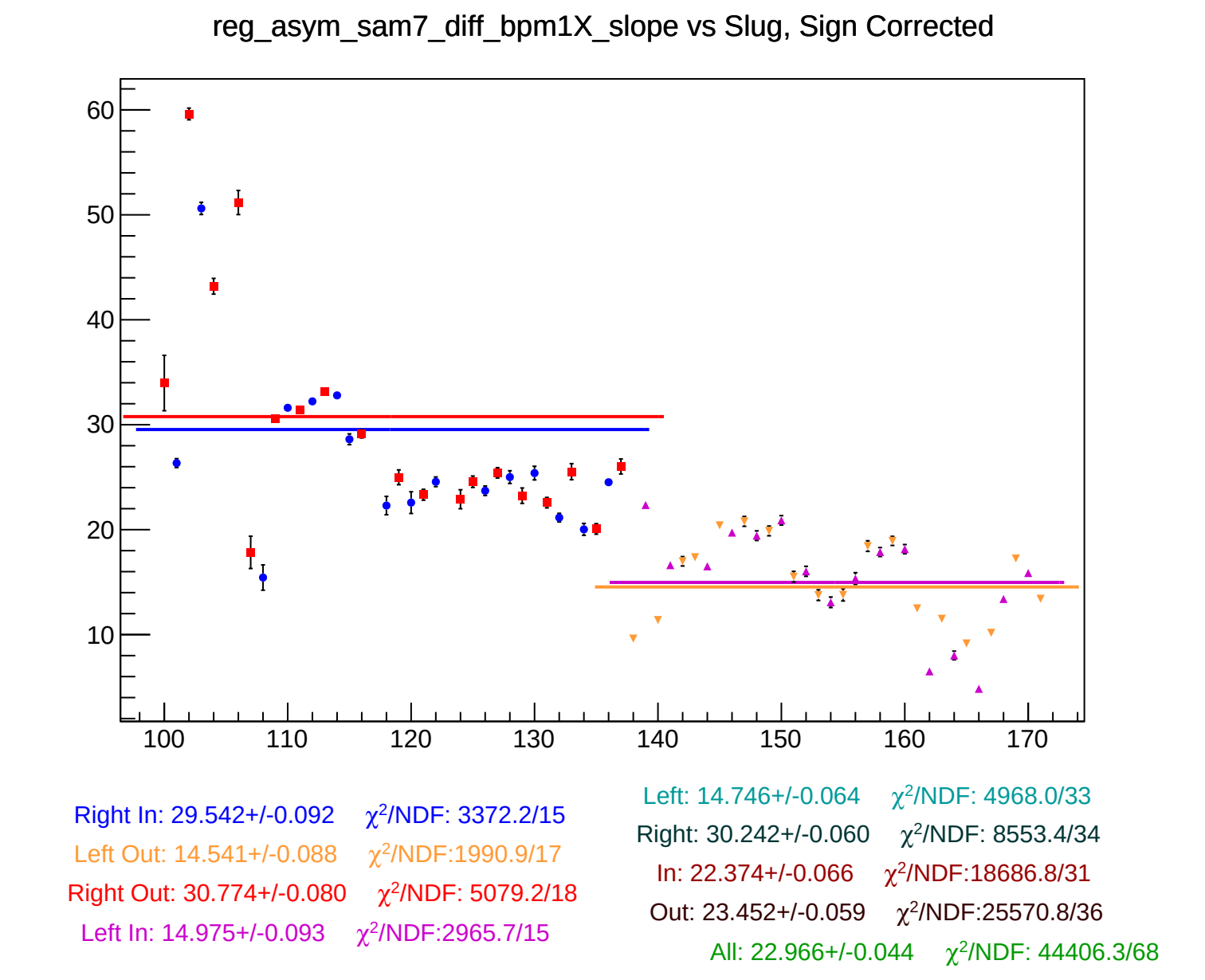
Left: -0.356+/-0.007 χ^2/NDF: 1440.3/33

Right: 0.094+/-0.008 χ^2/NDF: 698.7/34

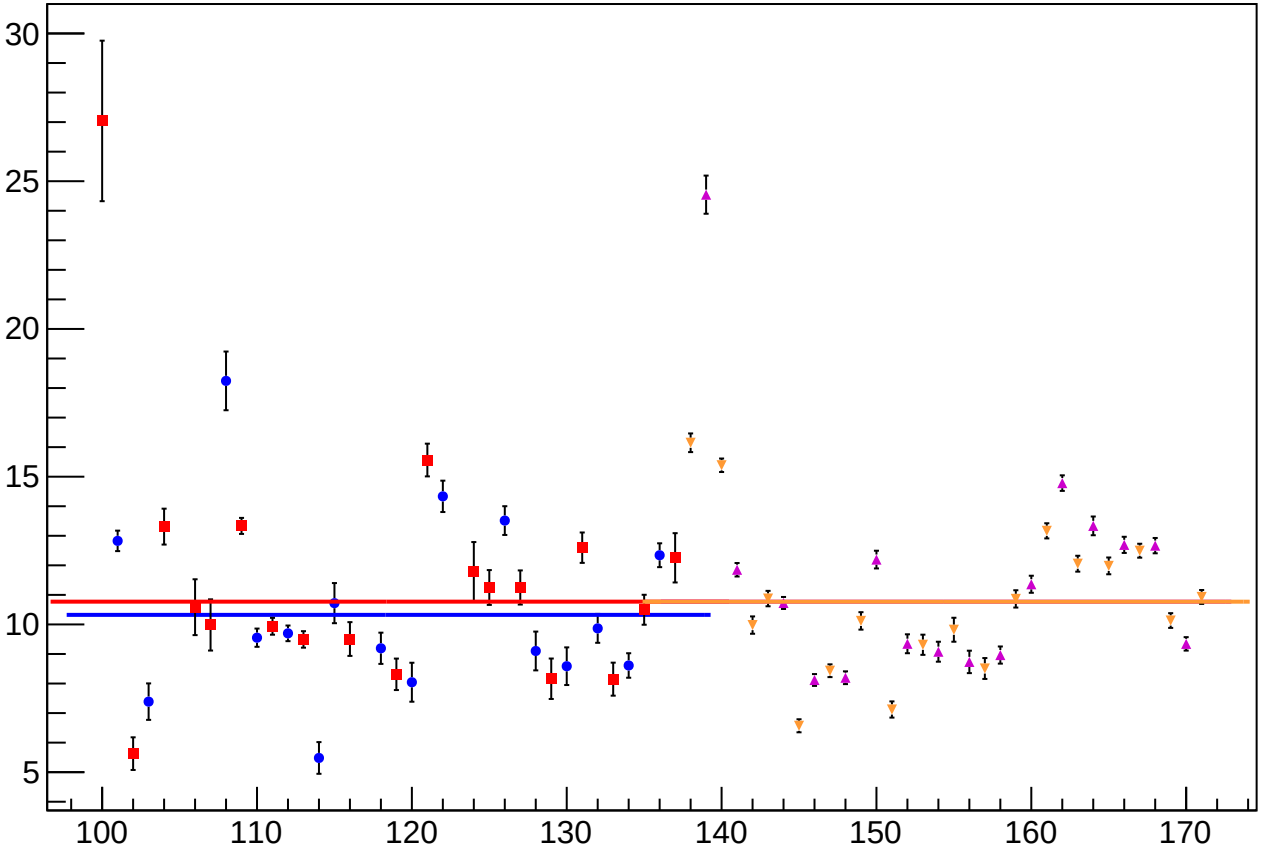
In: -0.152+/-0.008 χ^2/NDF:2172.0/31

Out: -0.164+/-0.007 χ^2/NDF:1737.3/36

All: -0.158+/-0.005 χ^2/NDF: 3910.6/68


reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 29.542+/-0.092 χ²/NDF: 3372.2/15
Left Out: 14.541+/-0.088 χ²/NDF:1990.9/17
Right Out: 30.774+/-0.080 χ²/NDF: 5079.2/18
Left In: 14.975+/-0.093 χ²/NDF:2965.7/15
Left: 14.746+/-0.064 χ²/NDF: 4968.0/33
Right: 30.242+/-0.060 χ²/NDF: 8553.4/34
In: 22.374+/-0.066 χ²/NDF:18686.8/31
Out: 23.452+/-0.059 χ²/NDF:25570.8/36
All: 22.966+/-0.044 χ²/NDF: 44406.3/68

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.770+/-0.063 χ^2/NDF:1621.4/17

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.769+/-0.067 χ^2/NDF:1374.3/15

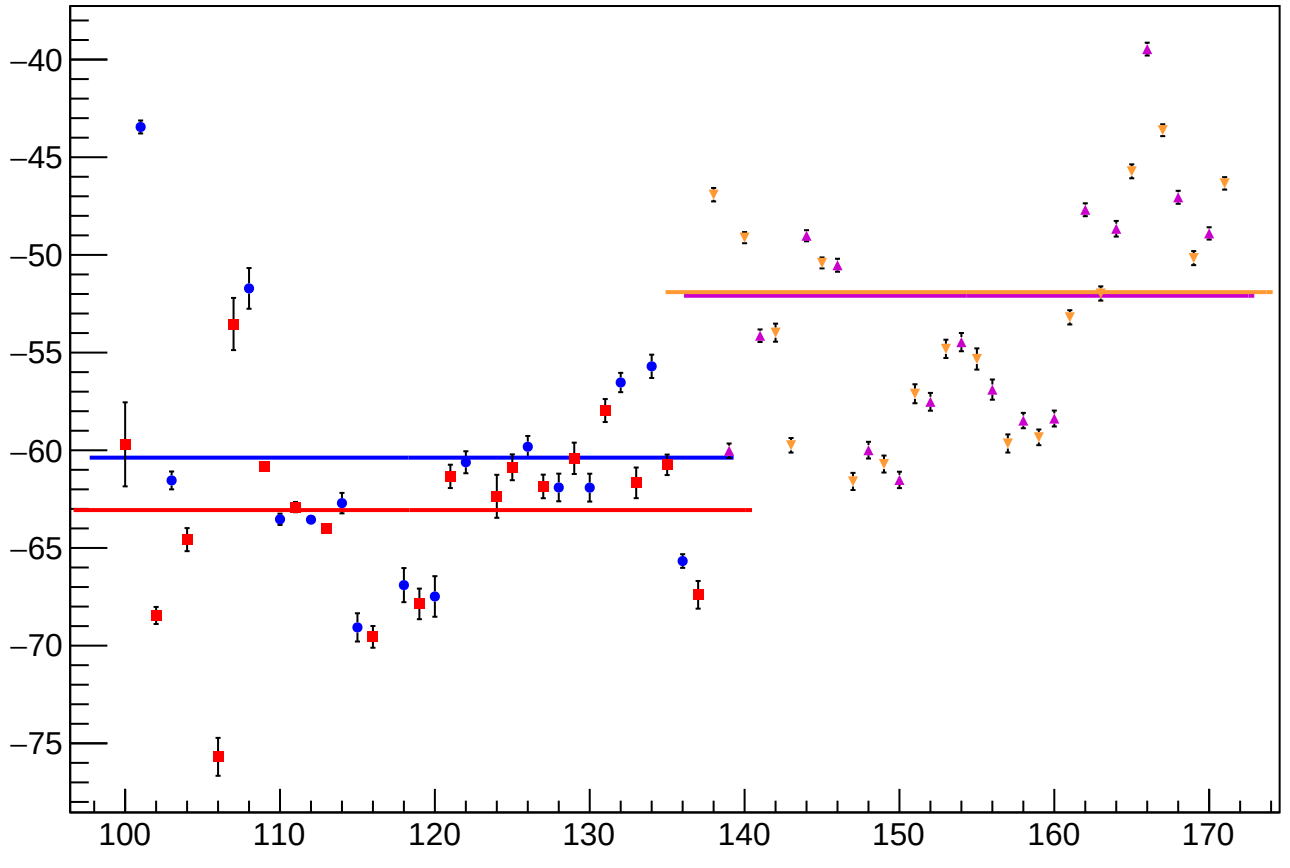
Left: 10.770+/-0.046 χ^2/NDF: 2995.7/33

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.655+/-0.058 χ^2/NDF:1788.4/31

Out: 10.770+/-0.055 χ^2/NDF:2037.2/36

All: 10.715+/-0.040 χ^2/NDF: 3827.6/68



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: -52.090+/-0.092 χ^2/NDF:4289.6/15

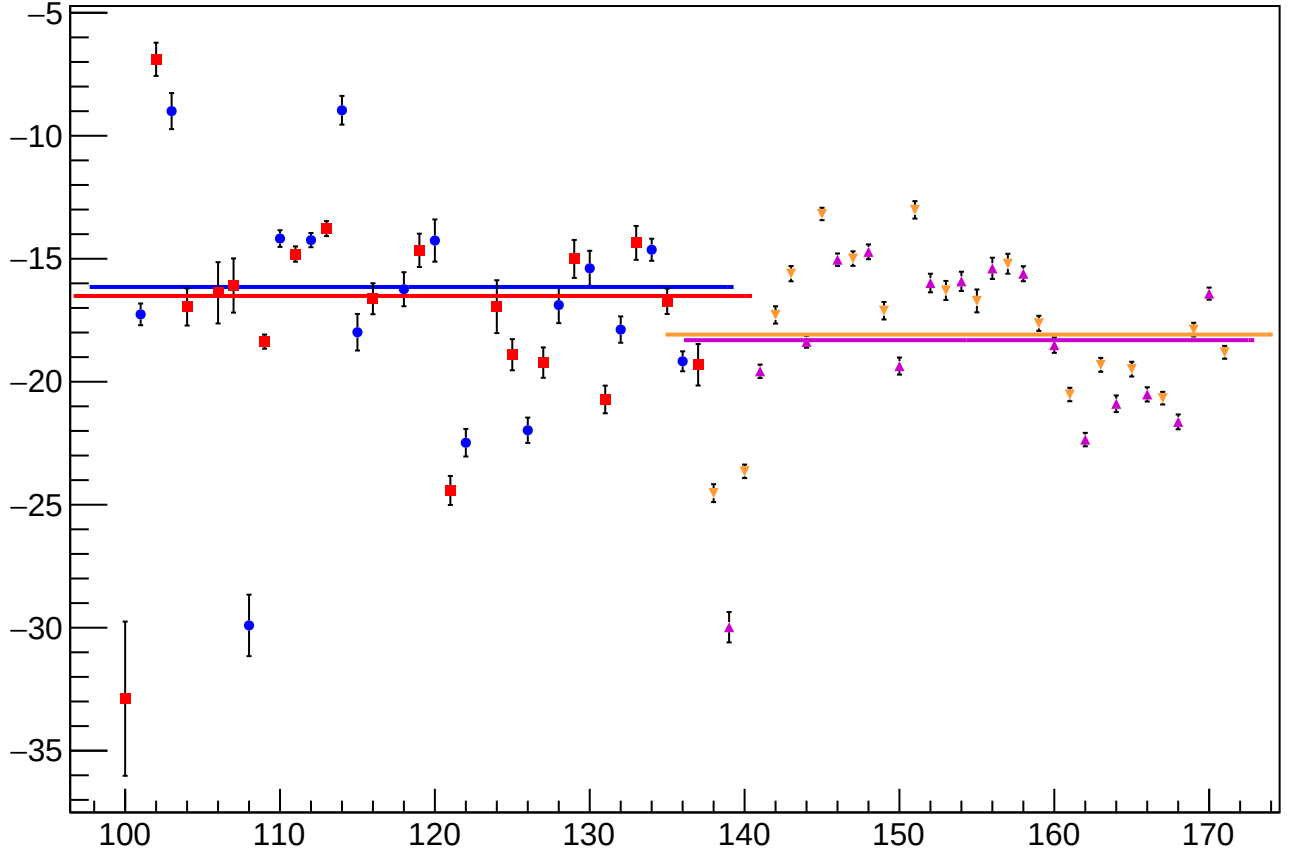
Left: -51.993+/-0.063 χ^2/NDF: 8182.3/33

Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -55.385+/-0.071 χ^2/NDF:11126.8/31

Out: -56.376+/-0.068 χ^2/NDF:11218.6/36

All: -55.904+/-0.049 χ^2/NDF: 22446.7/68



Right In: -16.147+/-0.127 χ^2/NDF: 797.1/15

Left Out: -18.081+/-0.073 χ^2/NDF:1800.2/17

Right Out: -16.512+/-0.125 χ^2/NDF: 684.7/18

Left In: -18.310+/-0.077 χ^2/NDF:1408.8/15

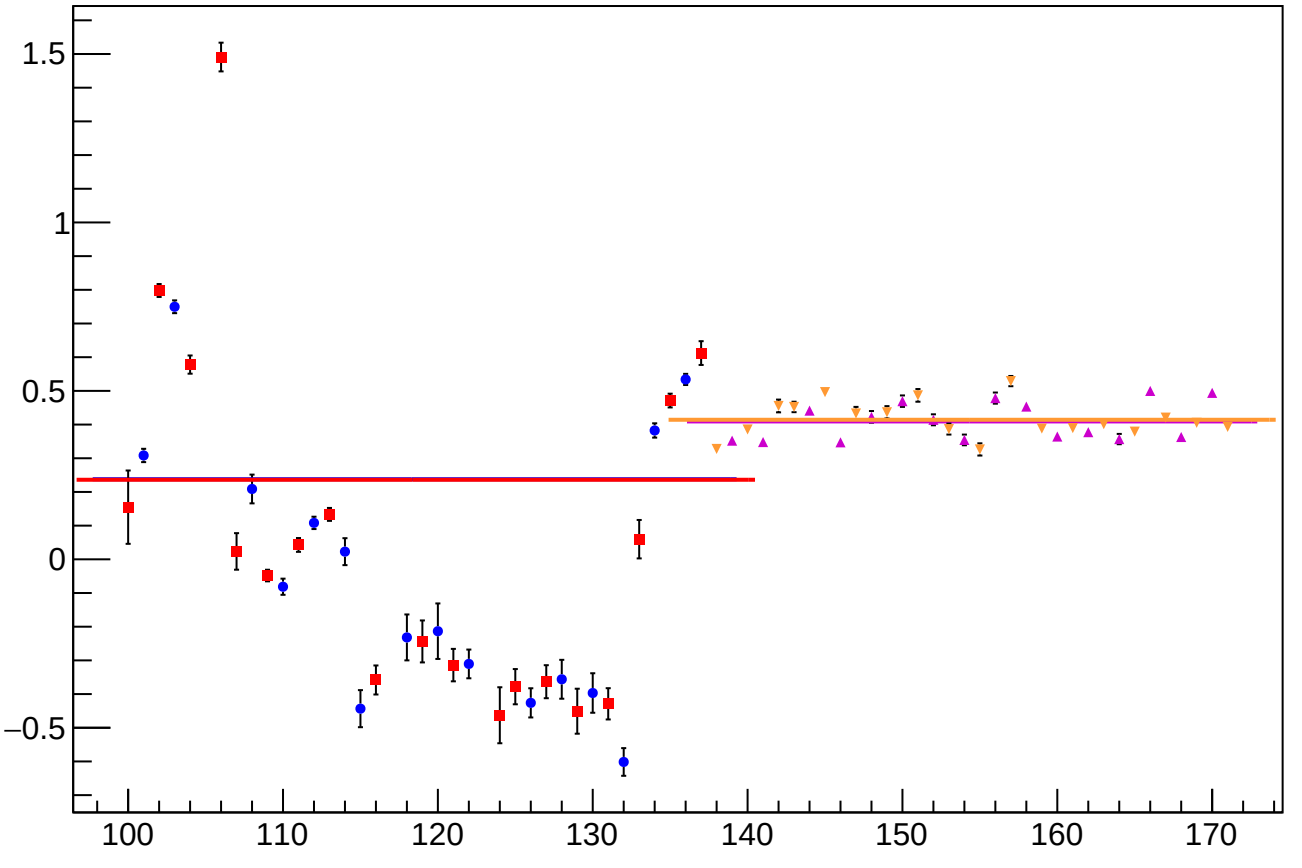
Left: -18.189+/-0.053 χ^2/NDF: 3213.7/33

Right: -16.333+/-0.089 χ^2/NDF: 1486.0/34

In: -17.733+/-0.066 χ^2/NDF:2418.0/31

Out: -17.683+/-0.063 χ^2/NDF:2603.1/36

All: -17.707+/-0.045 χ^2/NDF: 5021.4/68



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: 0.409+/-0.003 χ^2/NDF:270.7/15

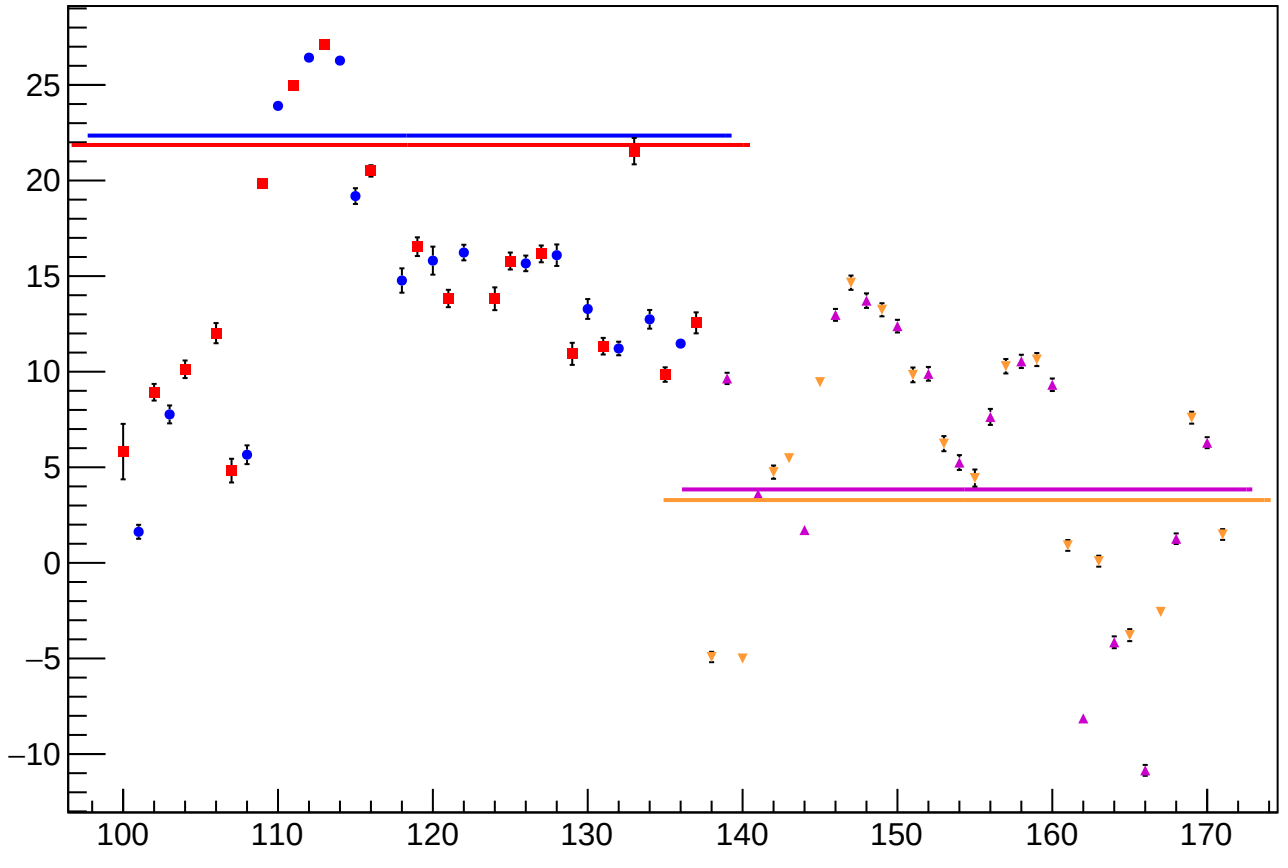
Left: 0.412+/-0.002 χ^2/NDF: 501.8/33

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.376+/-0.003 χ^2/NDF:3379.4/31

Out: 0.383+/-0.003 χ^2/NDF:4343.3/36

All: 0.379+/-0.002 χ^2/NDF: 7724.9/68



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: 3.842+/-0.076 χ^2/NDF:9326.2/15

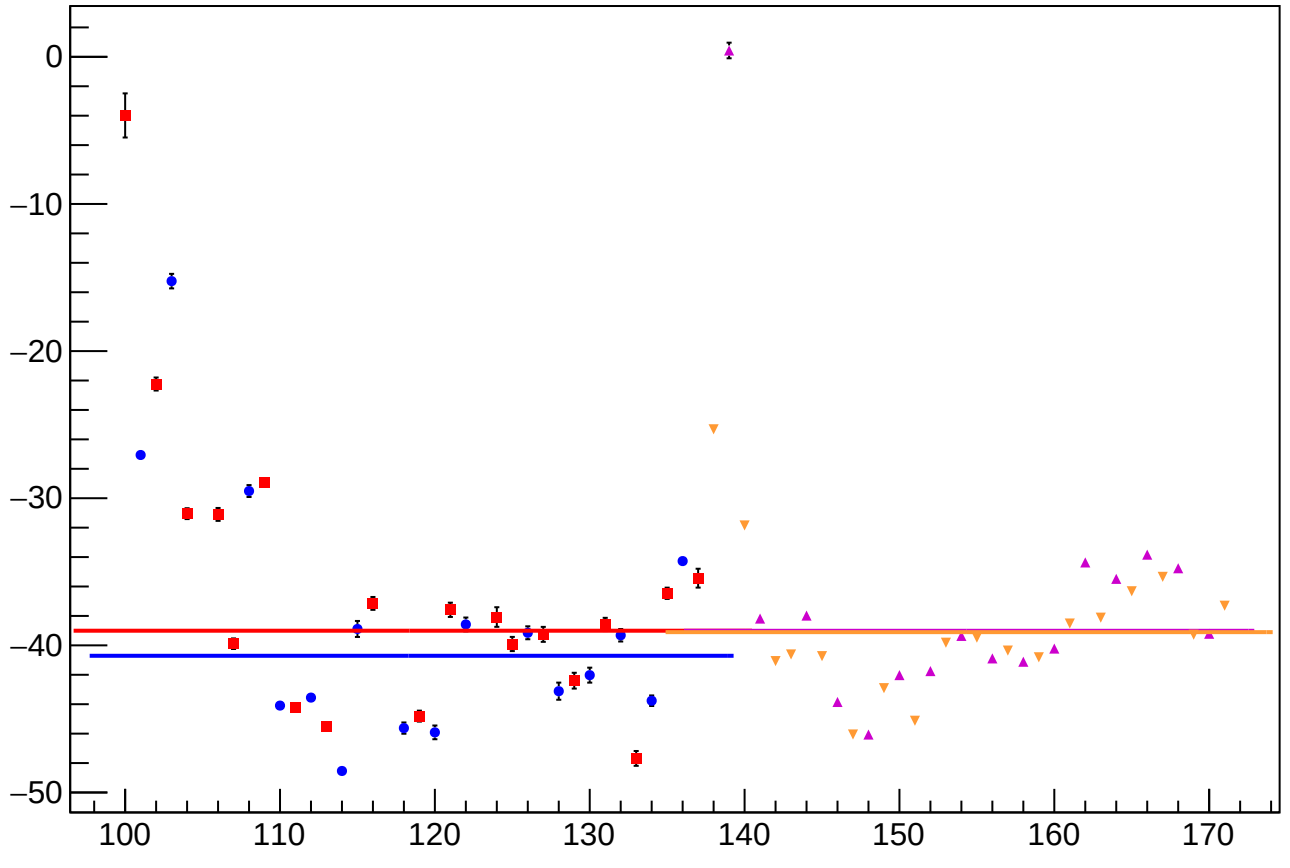
Left: 3.544+/-0.052 χ^2/NDF: 16862.7/33

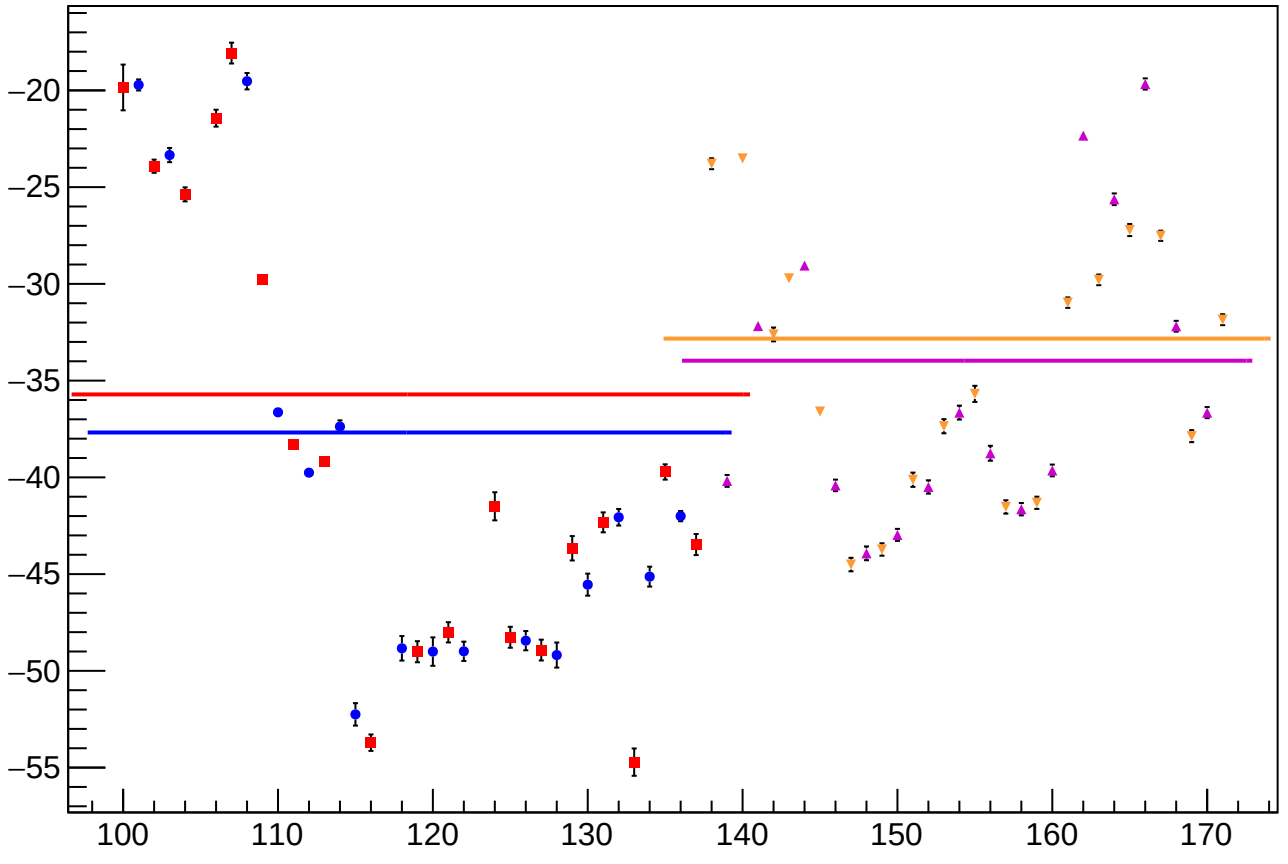
Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 15.734+/-0.045 χ^2/NDF:59947.4/31

Out: 16.275+/-0.039 χ^2/NDF:66608.5/36

All: 16.047+/-0.029 χ^2/NDF: 126638.2/68


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: -39.011+/-0.054 χ²/NDF:9846.6/15
Left: -39.060+/-0.037 χ²/NDF: 17912.2/33
Right: -39.794+/-0.052 χ²/NDF: 18148.1/34
In: -39.582+/-0.044 χ²/NDF:17954.2/31
Out: -39.070+/-0.041 χ²/NDF:18166.7/36
All: -39.306+/-0.030 χ²/NDF: 36192.7/68



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: -33.970+/-0.074 χ^2/NDF:9966.5/15

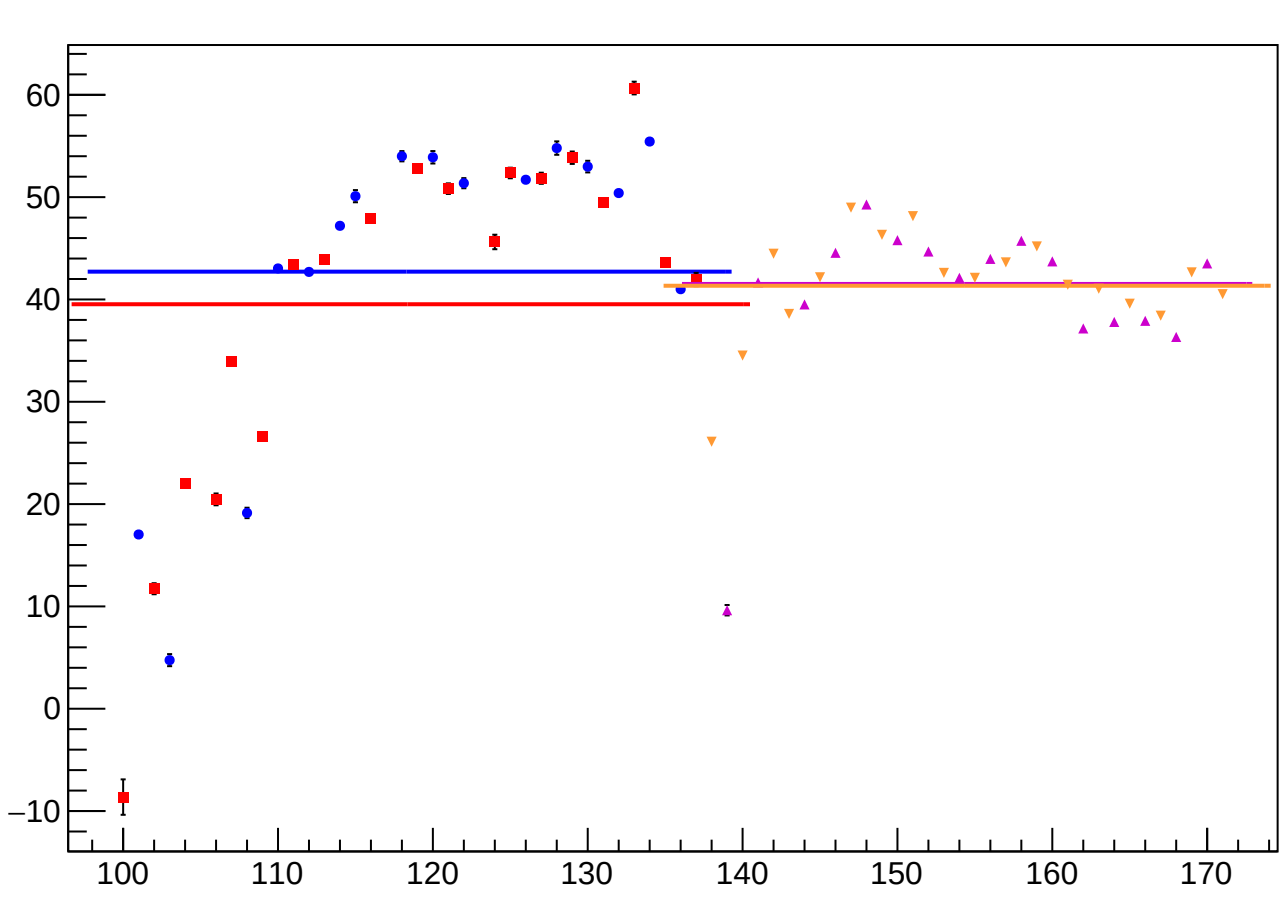
Left: -33.364+/-0.051 χ^2/NDF: 18678.1/33

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

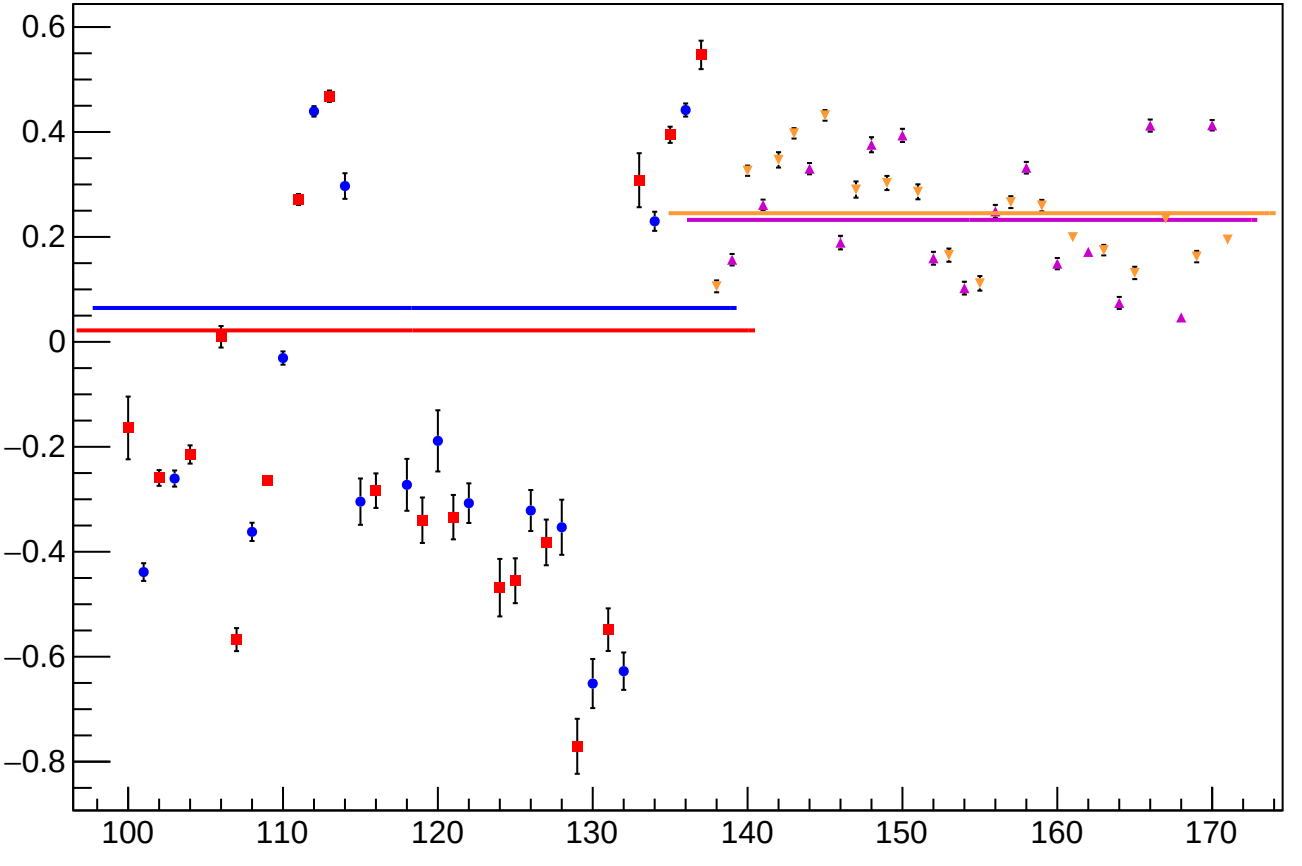
In: -35.840+/-0.052 χ^2/NDF:22076.4/31

Out: -34.390+/-0.047 χ^2/NDF:22784.0/36

All: -35.042+/-0.035 χ^2/NDF: 45282.8/68


reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 42.718+/-0.085 χ²/NDF: 14765.0/15
Left Out: 41.340+/-0.058 χ²/NDF:6544.1/17
Right Out: 39.533+/-0.078 χ²/NDF: 17978.2/18
Left In: 41.515+/-0.062 χ²/NDF:7343.1/15
Left: 41.421+/-0.042 χ²/NDF: 13891.4/33
Right: 40.991+/-0.058 χ²/NDF: 33503.2/34
In: 41.935+/-0.050 χ²/NDF:22238.2/31
Out: 40.701+/-0.046 χ²/NDF:24867.7/36
All: 41.270+/-0.034 χ²/NDF: 47430.7/68

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: 0.232+/-0.003 χ^2/NDF:1877.5/15

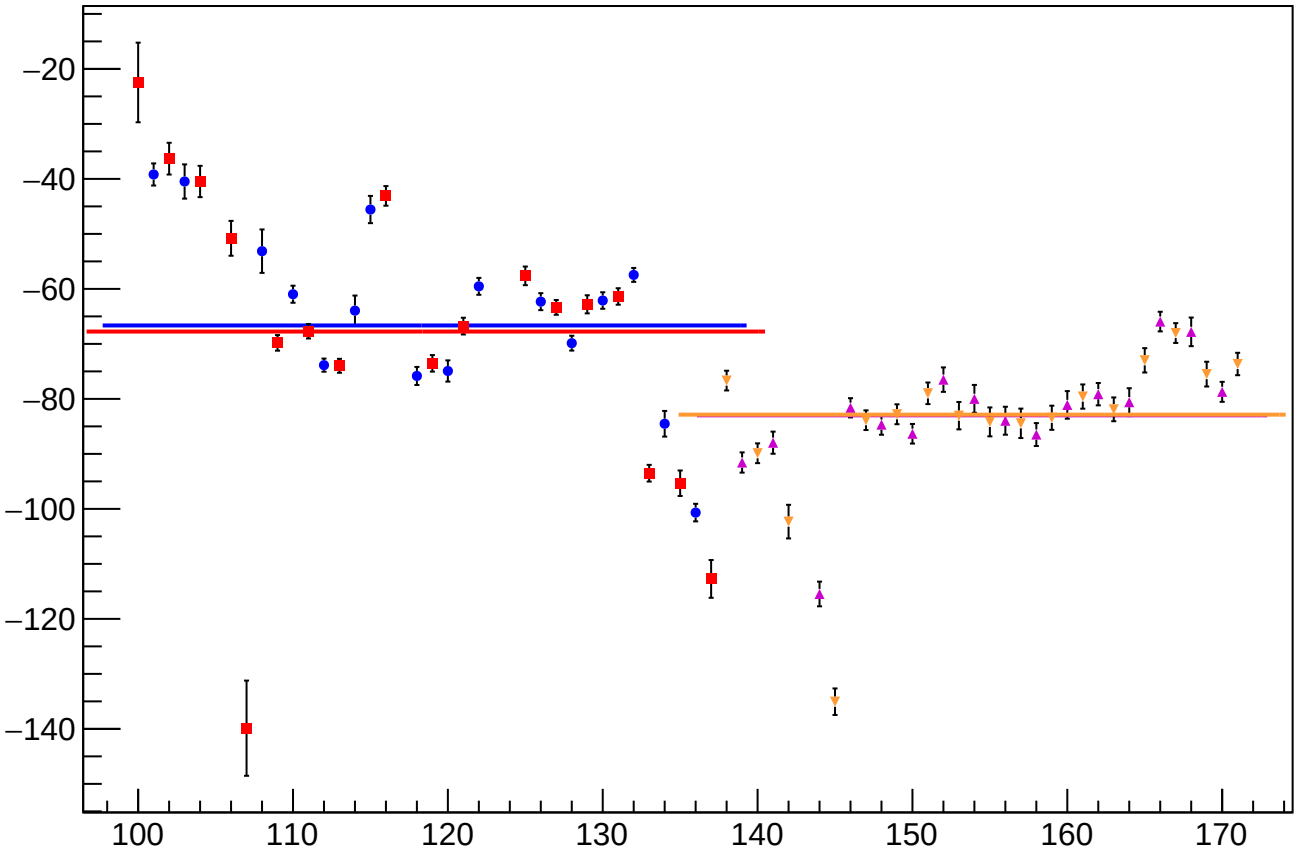
Left: 0.239+/-0.002 χ^2/NDF: 3155.7/33

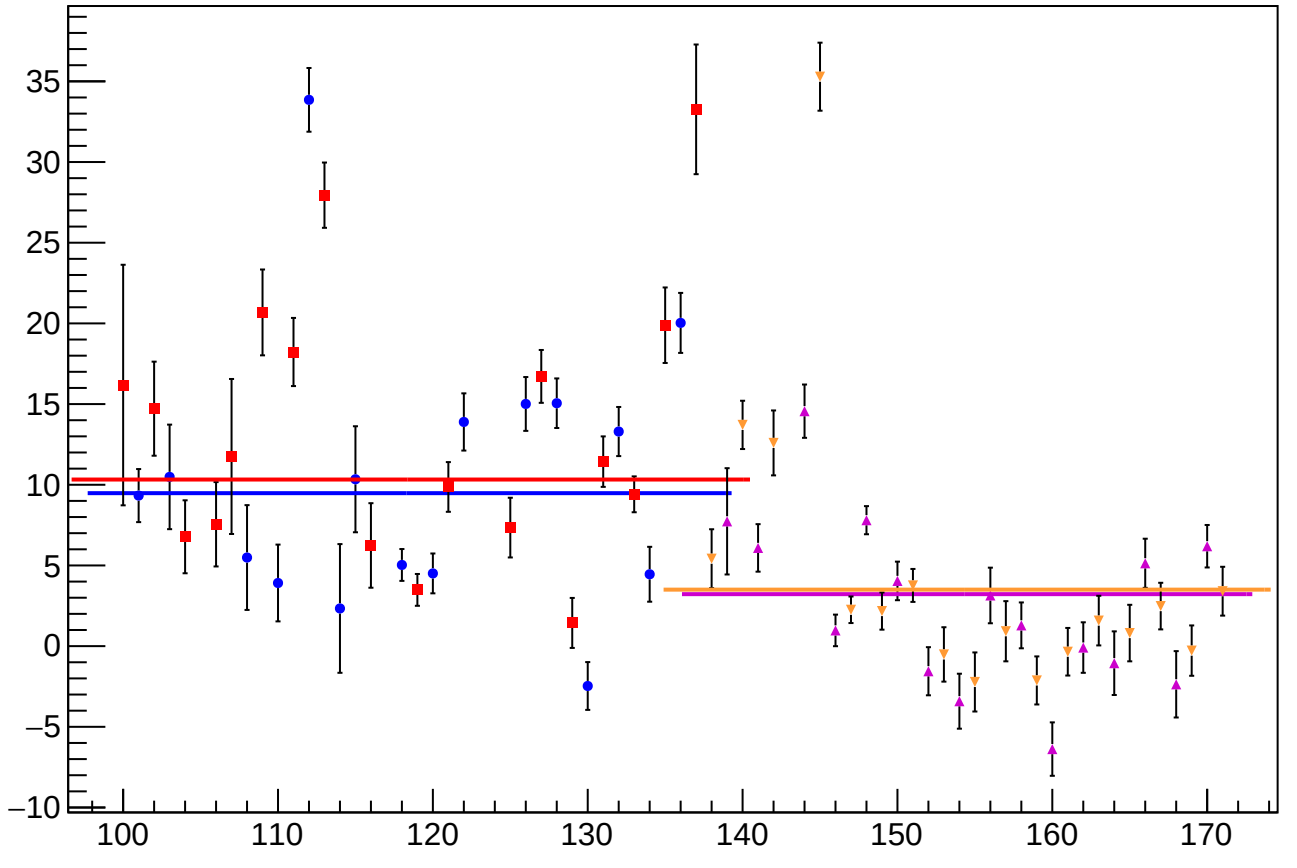
Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.191+/-0.002 χ^2/NDF:8277.0/31

Out: 0.186+/-0.002 χ^2/NDF:9576.7/36

All: 0.188+/-0.002 χ^2/NDF: 17855.7/68


reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -66.648+/-0.426 χ²/NDF: 1052.4/15
Left Out: -82.866+/-0.513 χ²/NDF:662.6/16
Right Out: -67.755+/-0.419 χ²/NDF: 1255.4/17
Left In: -82.990+/-0.517 χ²/NDF:391.2/15
Left: -82.928+/-0.364 χ²/NDF: 1053.8/32
Right: -67.210+/-0.299 χ²/NDF: 2311.2/33
In: -73.259+/-0.329 χ²/NDF:2038.7/31
Out: -73.810+/-0.325 χ²/NDF:2437.9/34
All: -73.538+/-0.231 χ²/NDF: 4478.0/66



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: 3.221+/-0.356 χ^2/NDF:170.3/15

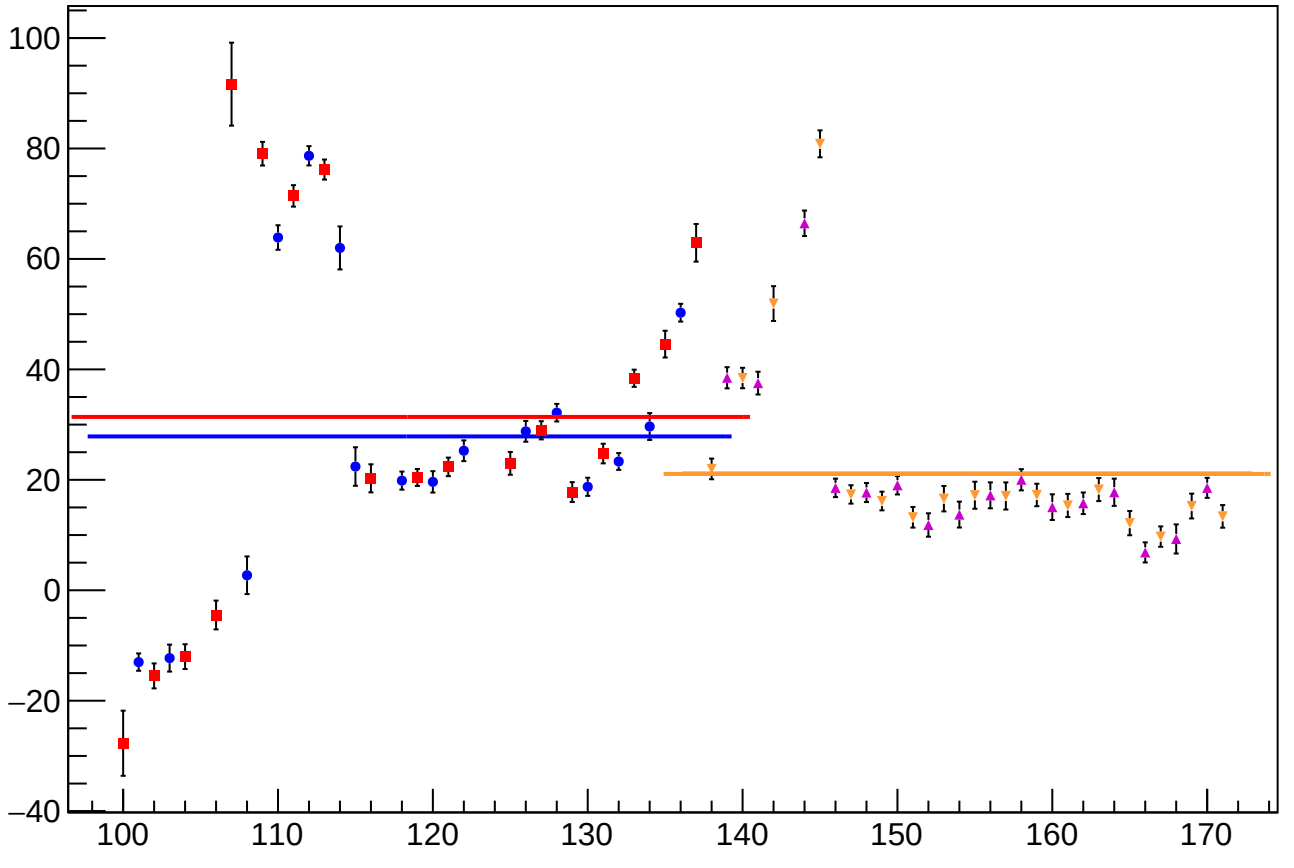
Left: 3.365+/-0.248 χ^2/NDF: 518.5/32

Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.781+/-0.274 χ^2/NDF:638.6/31

Out: 6.145+/-0.271 χ^2/NDF:761.6/34

All: 5.965+/-0.193 χ^2/NDF: 1401.0/66



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: 21.107+/-0.502 χ^2/NDF:670.4/15

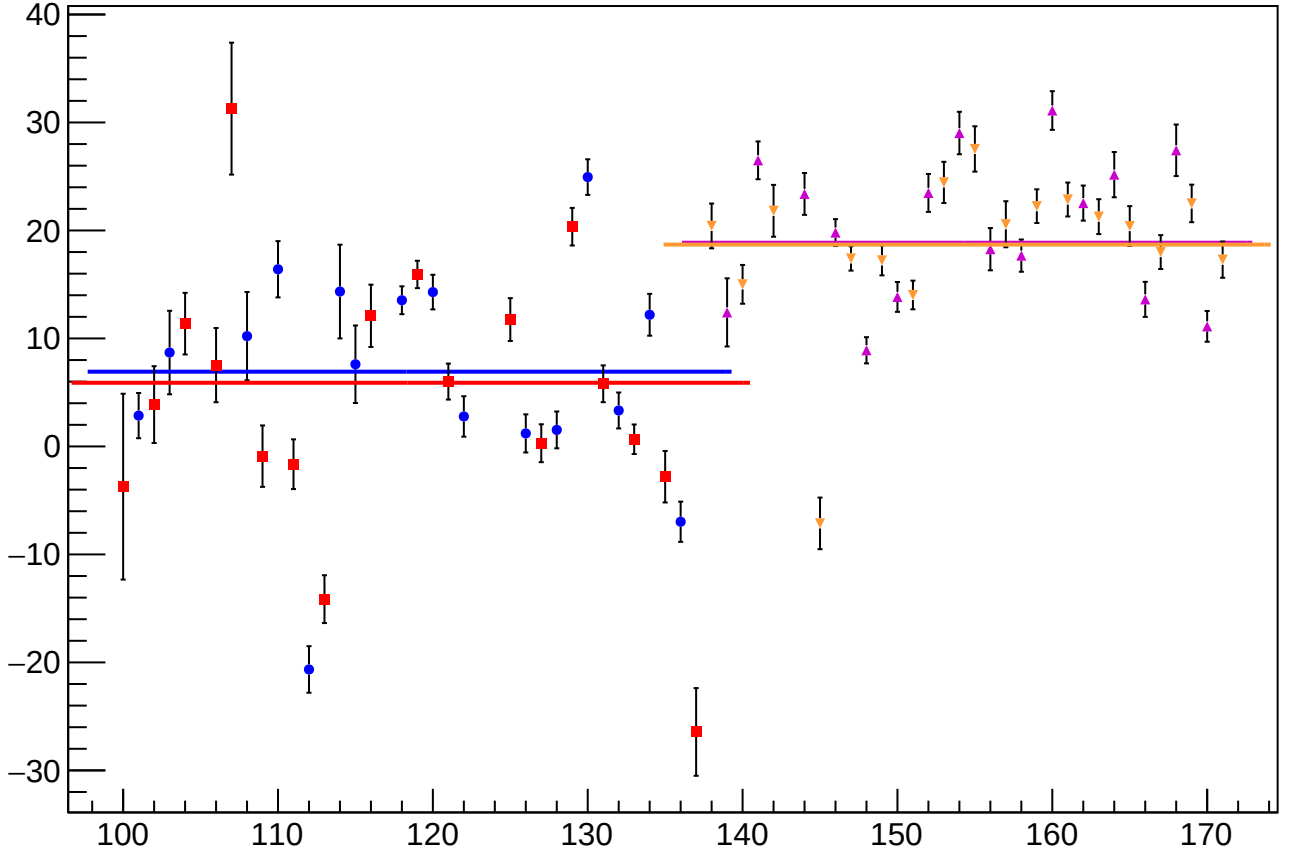
Left: 21.089+/-0.354 χ^2/NDF: 1582.5/32

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 24.620+/-0.348 χ^2/NDF:3238.4/31

Out: 26.364+/-0.349 χ^2/NDF:4141.9/34

All: 25.489+/-0.246 χ^2/NDF: 7392.8/66



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: 18.865+/-0.415 χ^2/NDF:257.9/15

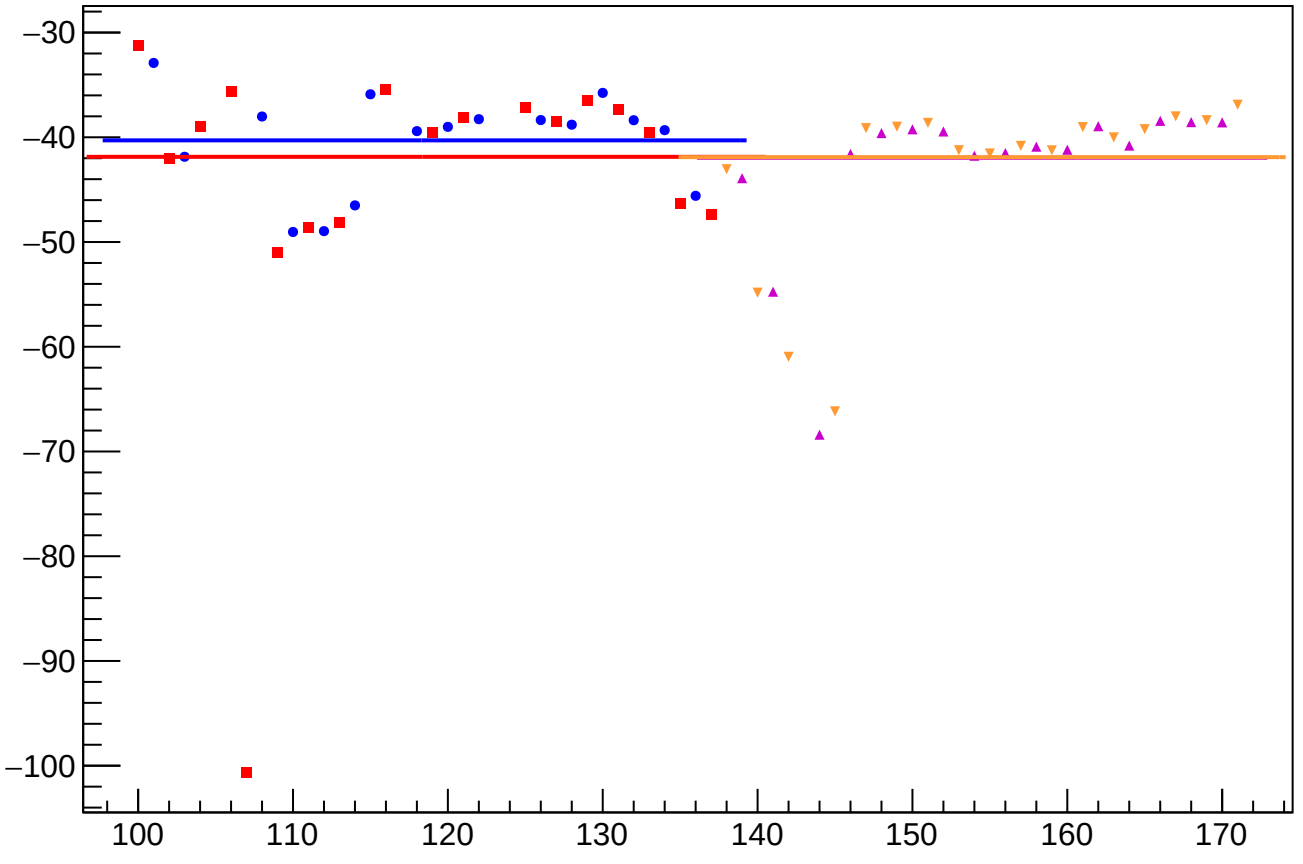
Left: 18.776+/-0.290 χ^2/NDF: 445.2/32

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 13.937+/-0.318 χ^2/NDF:1043.4/31

Out: 13.633+/-0.315 χ^2/NDF:948.0/34

All: 13.784+/-0.224 χ^2/NDF: 1991.9/66



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: -41.954+/-0.019 χ^2/NDF:101427.5/15

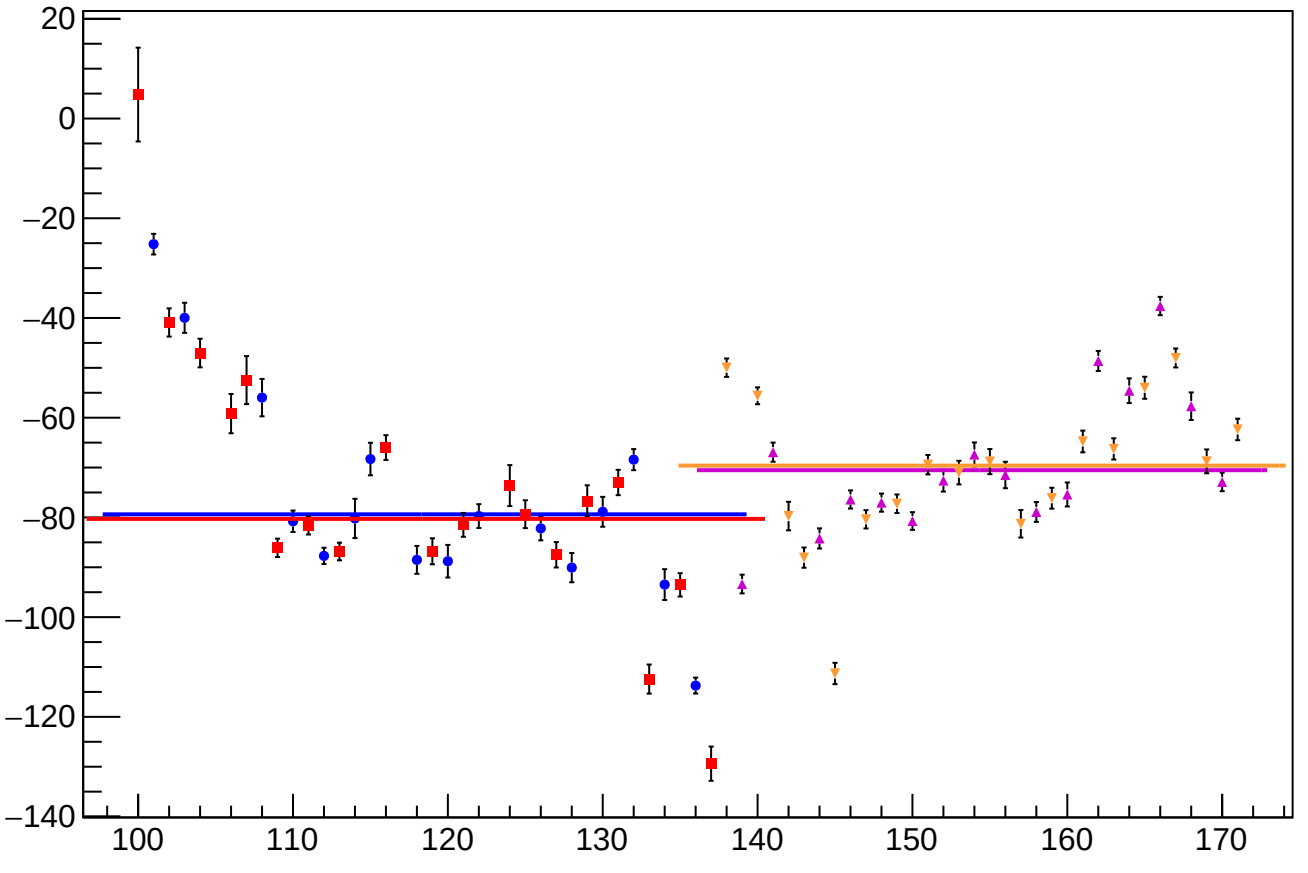
Left: -41.925+/-0.013 χ^2/NDF: 230798.3/32

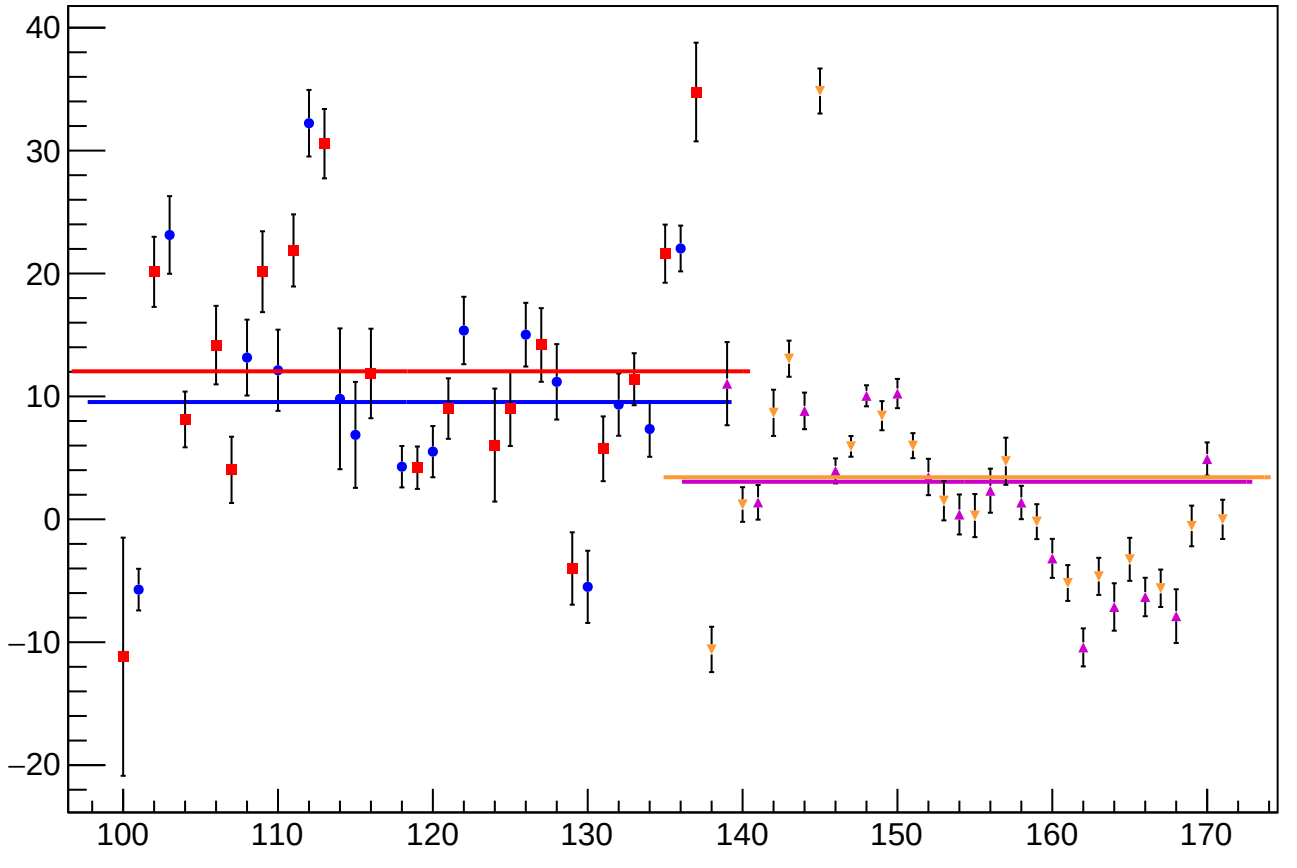
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

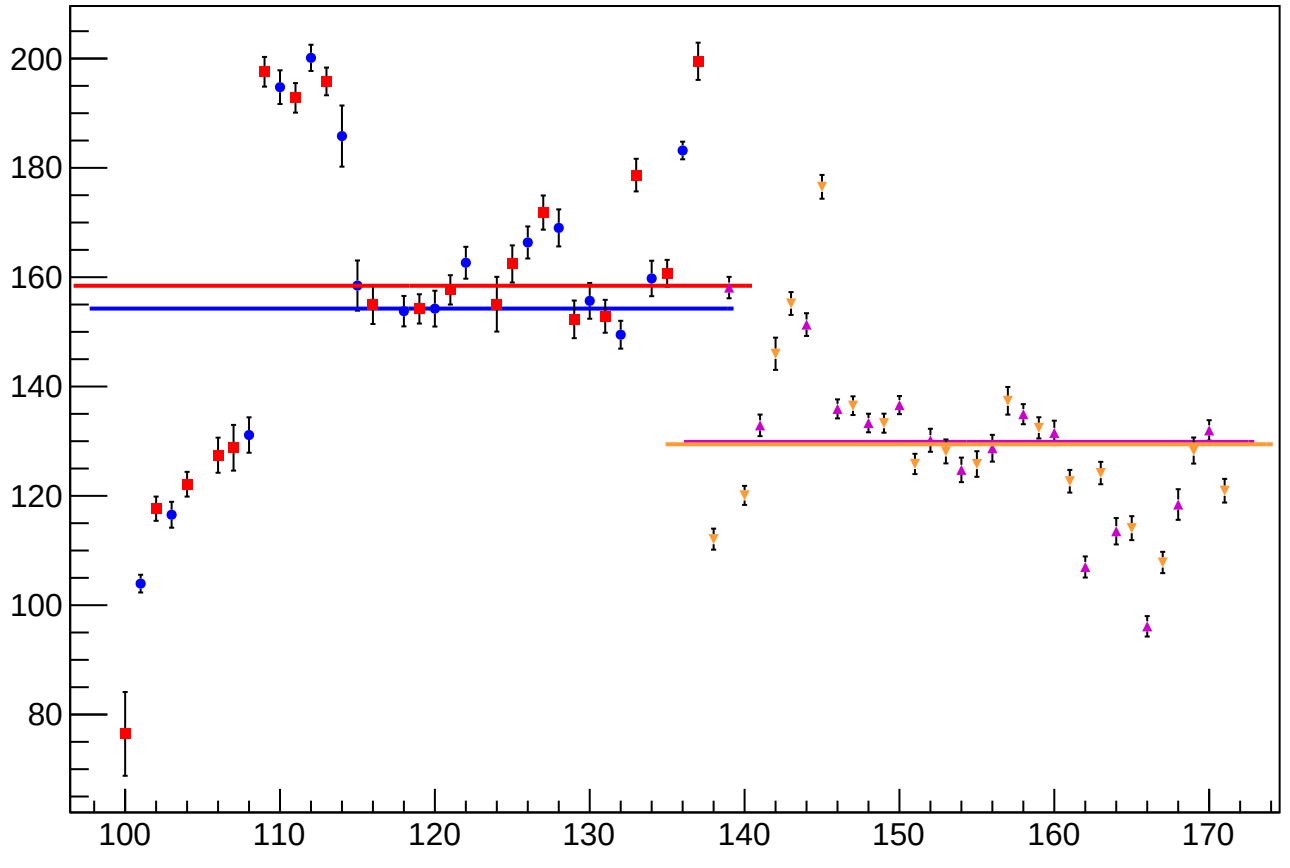
In: -41.513+/-0.016 χ^2/NDF:124145.5/31

Out: -41.890+/-0.016 χ^2/NDF:188101.8/34

All: -41.701+/-0.011 χ^2/NDF: 312517.1/66


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -69.614+/-0.495 χ²/NDF:934.0/17
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -70.529+/-0.514 χ²/NDF:782.9/15
Left: -70.055+/-0.357 χ²/NDF: 1718.5/33
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -74.195+/-0.393 χ²/NDF:2381.8/31
Out: -73.909+/-0.383 χ²/NDF:2035.6/36
All: -74.048+/-0.274 χ²/NDF: 4417.6/68


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: 3.055+/-0.353 χ²/NDF:312.3/15
Left: 3.248+/-0.244 χ²/NDF: 886.2/33
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.640+/-0.307 χ²/NDF:661.7/31
Out: 5.305+/-0.298 χ²/NDF:912.4/36
All: 4.983+/-0.214 χ²/NDF: 1576.6/68



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: 129.867+/-0.499 χ^2/NDF:892.3/15

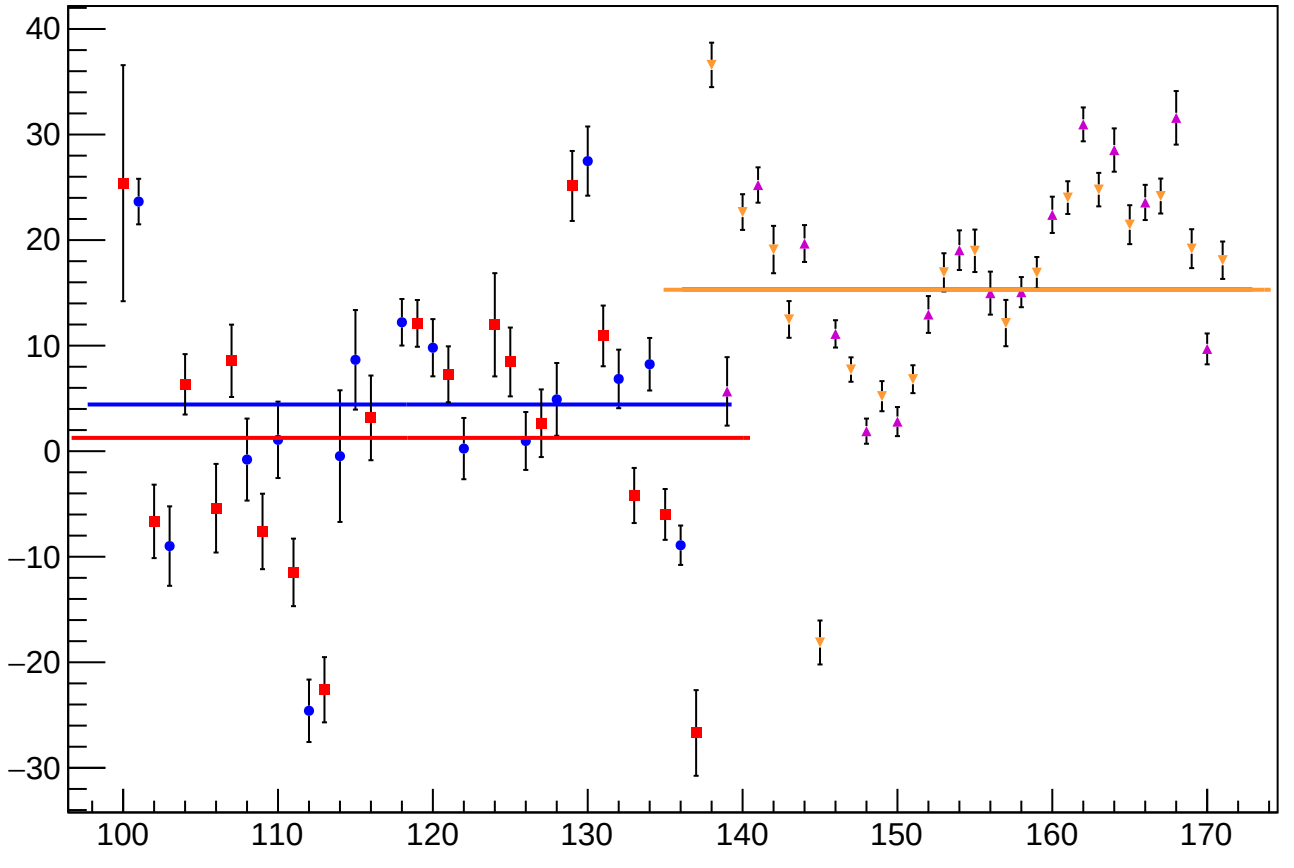
Left: 129.646+/-0.348 χ^2/NDF: 1900.1/33

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 138.710+/-0.398 χ^2/NDF:3972.3/31

Out: 139.150+/-0.395 χ^2/NDF:3871.8/36

All: 138.932+/-0.281 χ^2/NDF: 7844.7/68



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: 15.324+/-0.412 χ^2/NDF:509.5/15

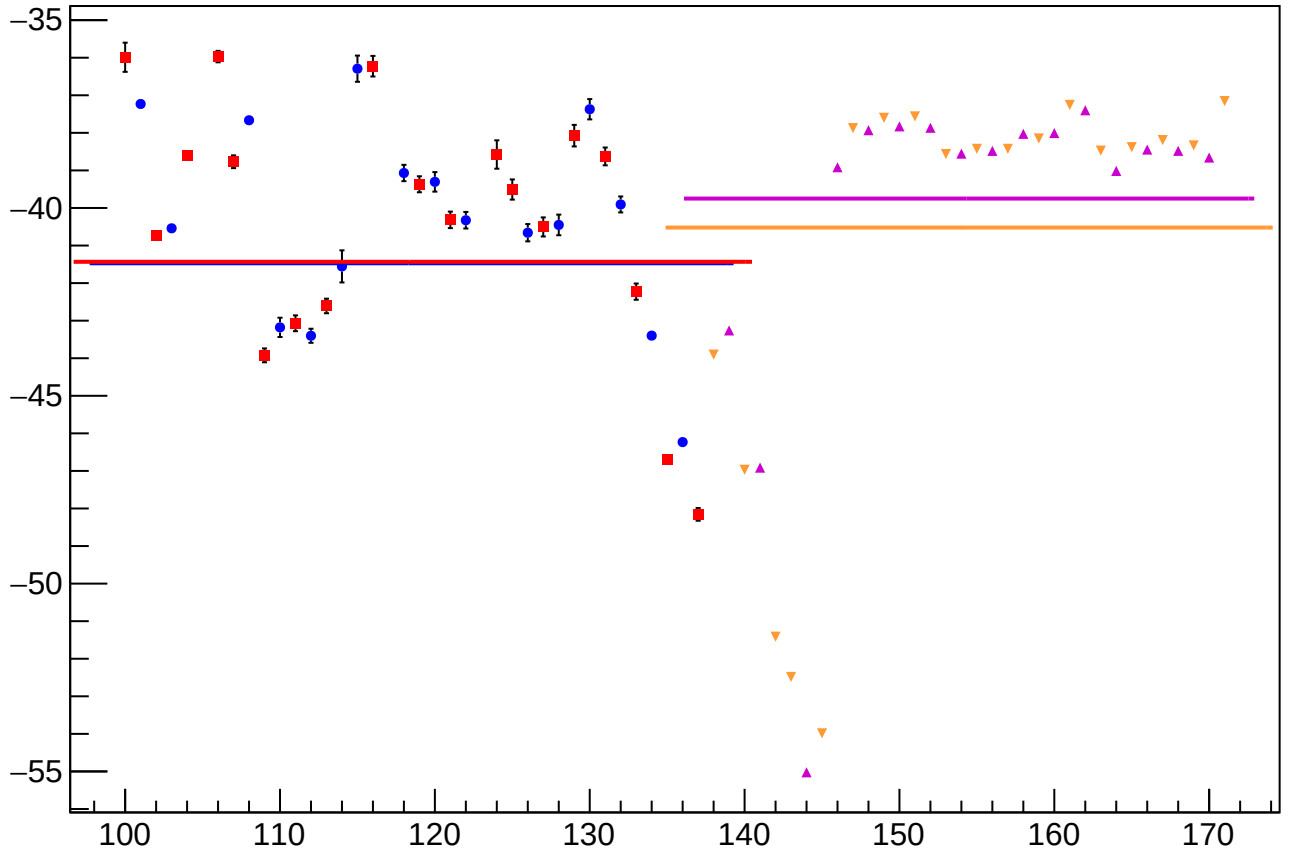
Left: 15.309+/-0.285 χ^2/NDF: 1149.4/33

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.603+/-0.357 χ^2/NDF:1000.4/31

Out: 12.140+/-0.347 χ^2/NDF:1190.1/36

All: 12.365+/-0.249 χ^2/NDF: 2191.3/68



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: -39.749+/-0.019 χ^2/NDF:43156.6/15

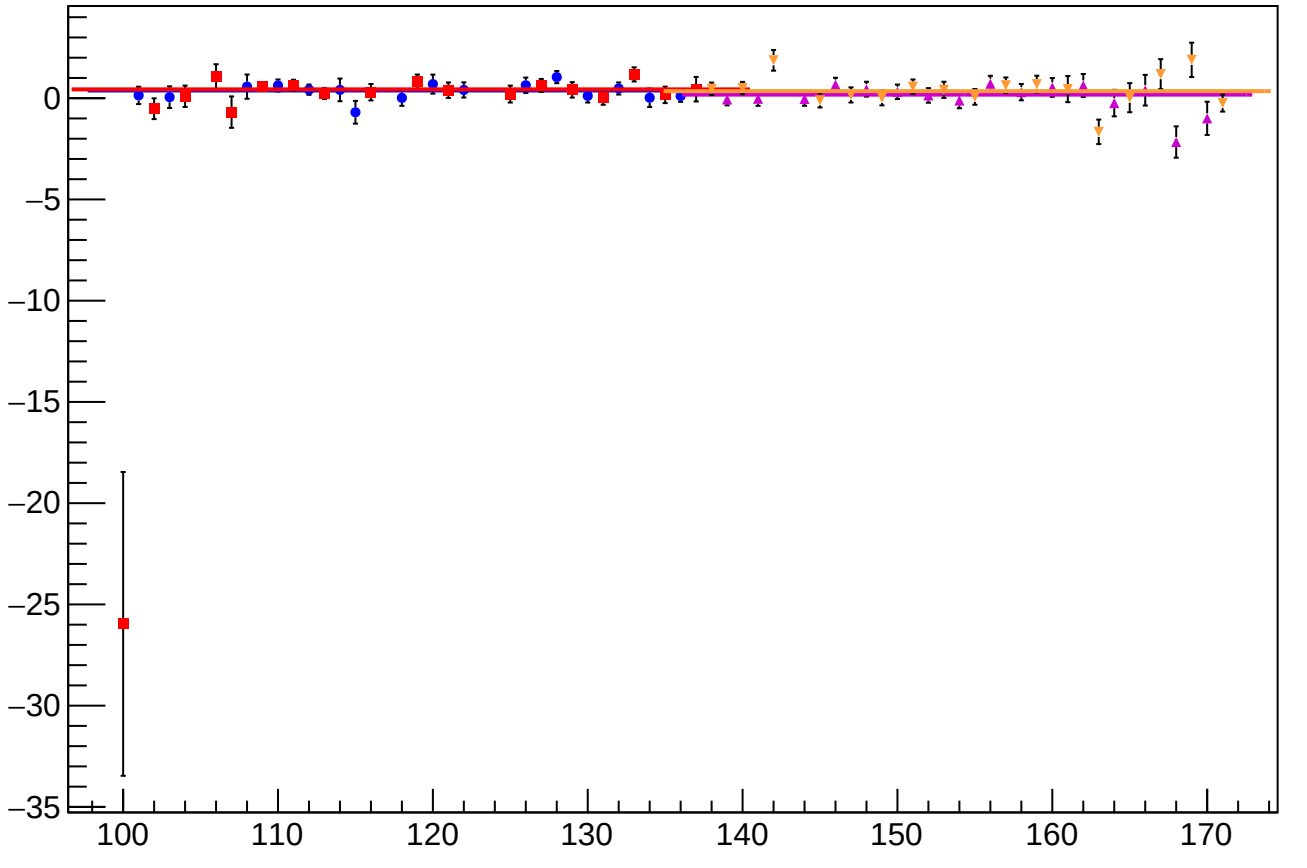
Left: -40.144+/-0.013 χ^2/NDF: 119443.3/33

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

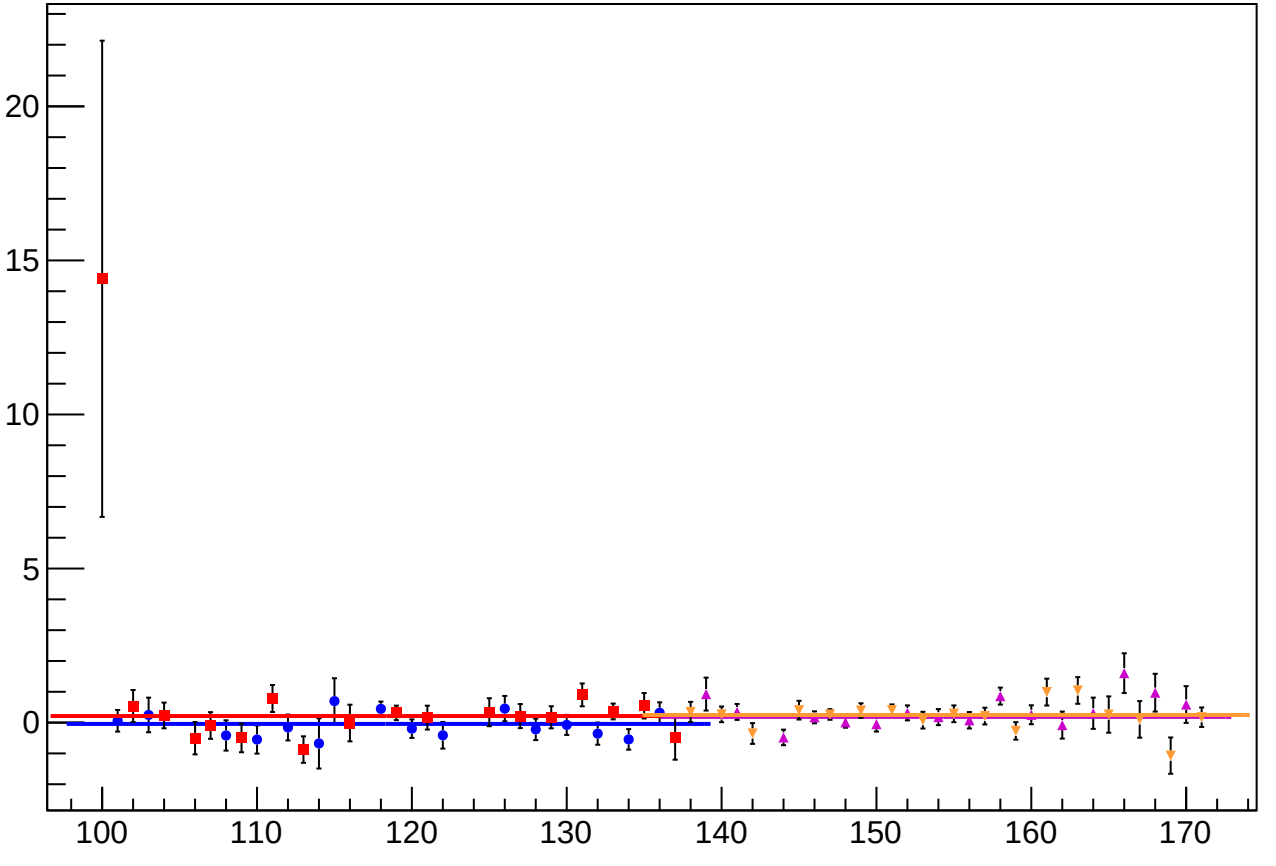
In: -40.086+/-0.017 χ^2/NDF:52712.0/31

Out: -40.683+/-0.017 χ^2/NDF:84085.6/36

All: -40.388+/-0.012 χ^2/NDF: 137432.9/68


reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
Right In: 0.382+/-0.092 χ²/NDF: 14.0/15
Left Out: 0.349+/-0.102 χ²/NDF:32.0/16
Right Out: 0.436+/-0.090 χ²/NDF: 29.0/17
Left In: 0.177+/-0.103 χ²/NDF:19.6/15
Left: 0.264+/-0.072 χ²/NDF: 53.0/32
Right: 0.410+/-0.064 χ²/NDF: 43.2/33
In: 0.291+/-0.069 χ²/NDF:35.8/31
Out: 0.398+/-0.067 χ²/NDF:61.4/34
All: 0.345+/-0.048 χ²/NDF: 98.4/66

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.247+/-0.069 χ^2/NDF:19.8/16

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.186+/-0.071 χ^2/NDF:25.1/15

Left: 0.217+/-0.050 χ^2/NDF: 45.3/32

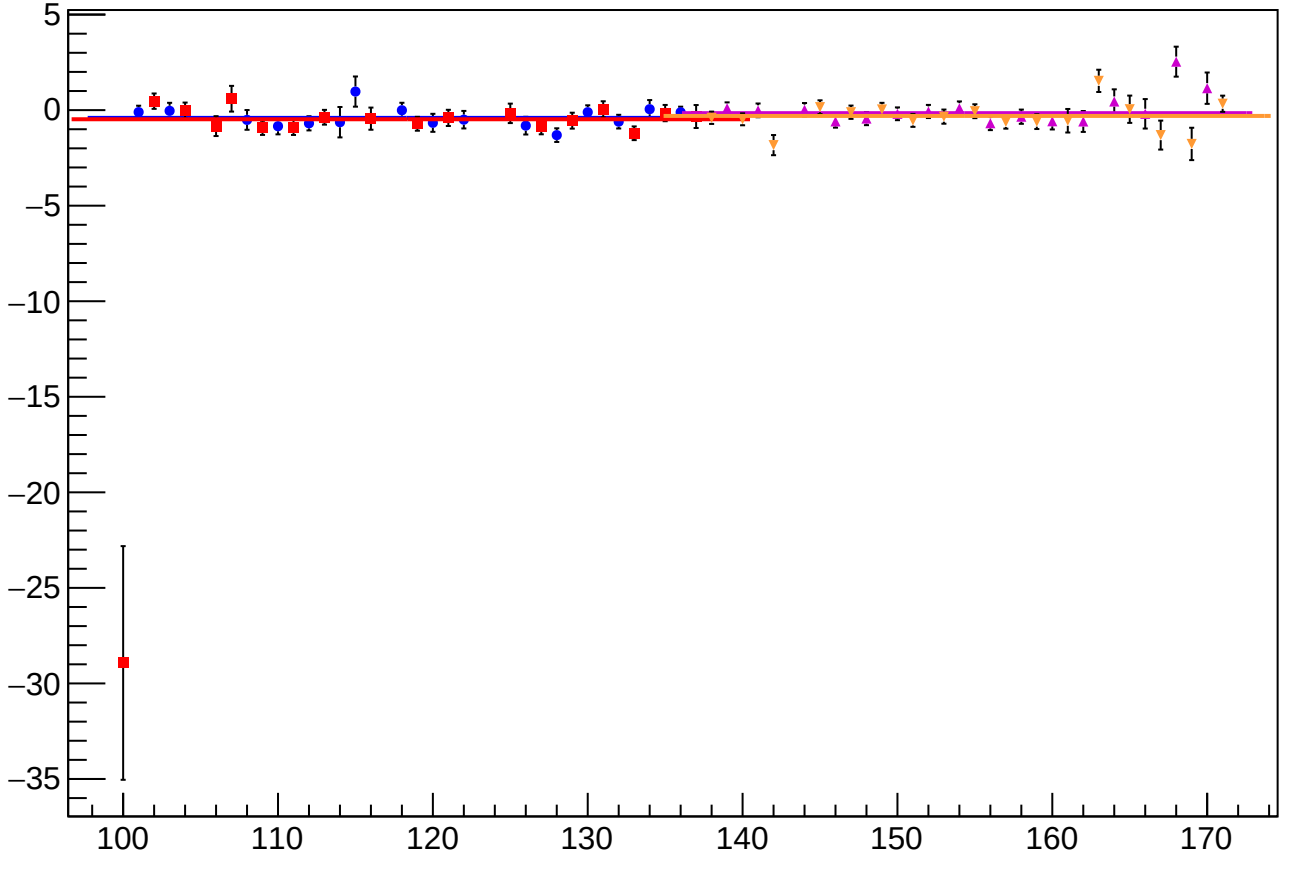
Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.103+/-0.057 χ^2/NDF:43.9/31

Out: 0.235+/-0.056 χ^2/NDF:42.3/34

All: 0.170+/-0.040 χ^2/NDF: 88.9/66

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.304+/-0.099 χ^2/NDF:31.4/16

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.159+/-0.100 χ^2/NDF:23.3/15

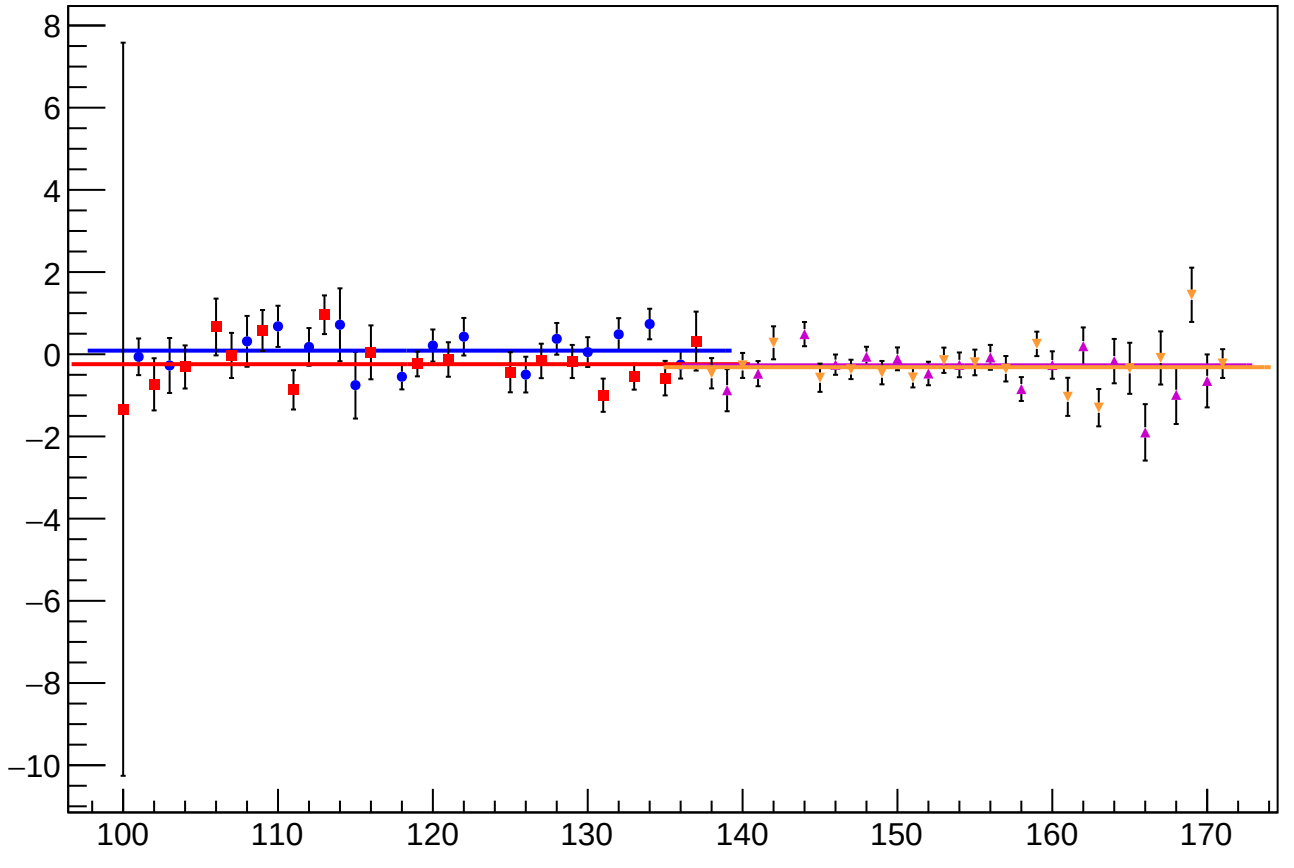
Left: -0.232+/-0.070 χ^2/NDF: 55.8/32

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.278+/-0.072 χ^2/NDF:44.1/31

Out: -0.386+/-0.072 χ^2/NDF:75.1/34

All: -0.332+/-0.051 χ^2/NDF: 120.3/66



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: -0.269+/-0.084 χ^2/NDF:22.5/15

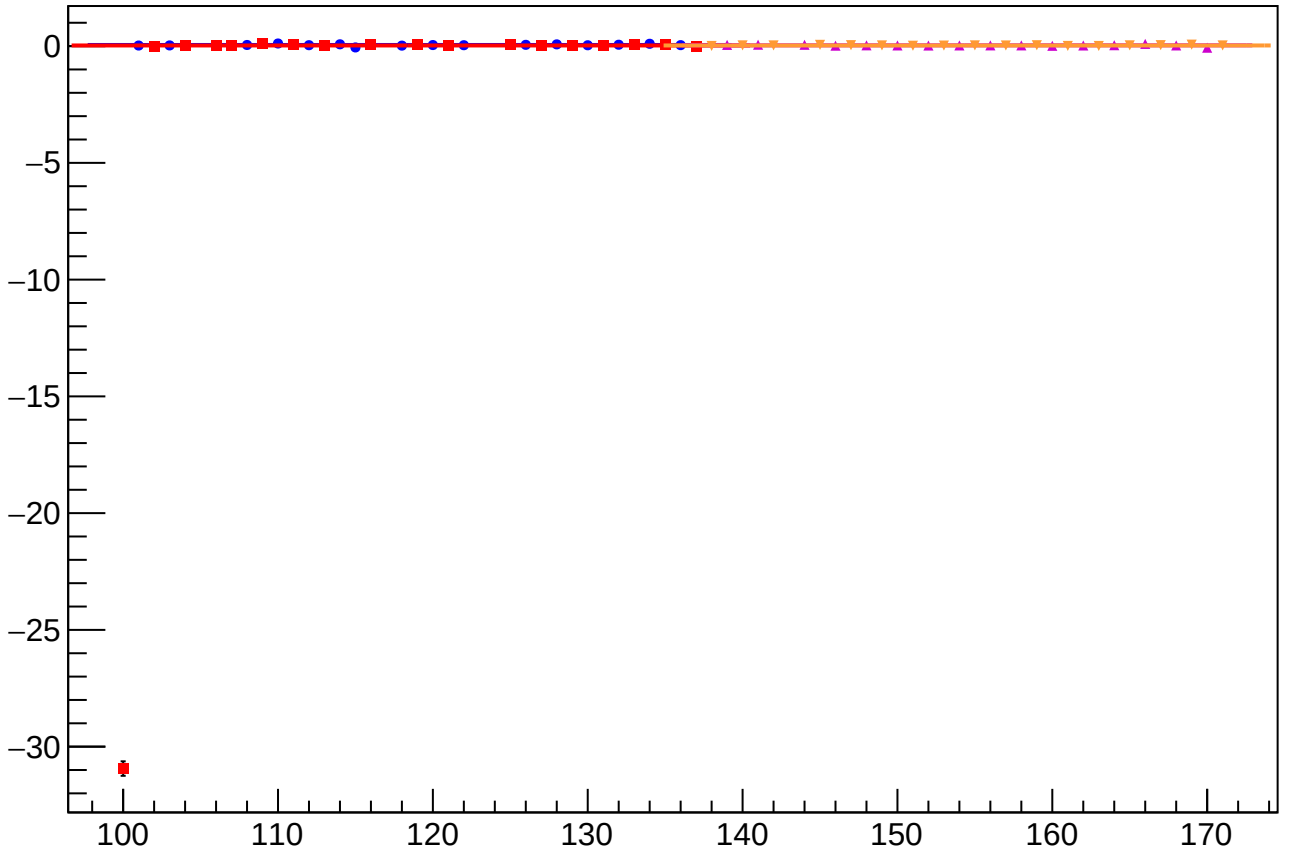
Left: -0.292+/-0.059 χ^2/NDF: 45.4/32

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.135+/-0.066 χ^2/NDF:45.1/31

Out: -0.288+/-0.066 χ^2/NDF:42.7/34

All: -0.212+/-0.047 χ^2/NDF: 90.5/66



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: 0.034+/-0.004 χ^2/NDF:28.9/15

Left: 0.031+/-0.003 χ^2/NDF: 42.2/32

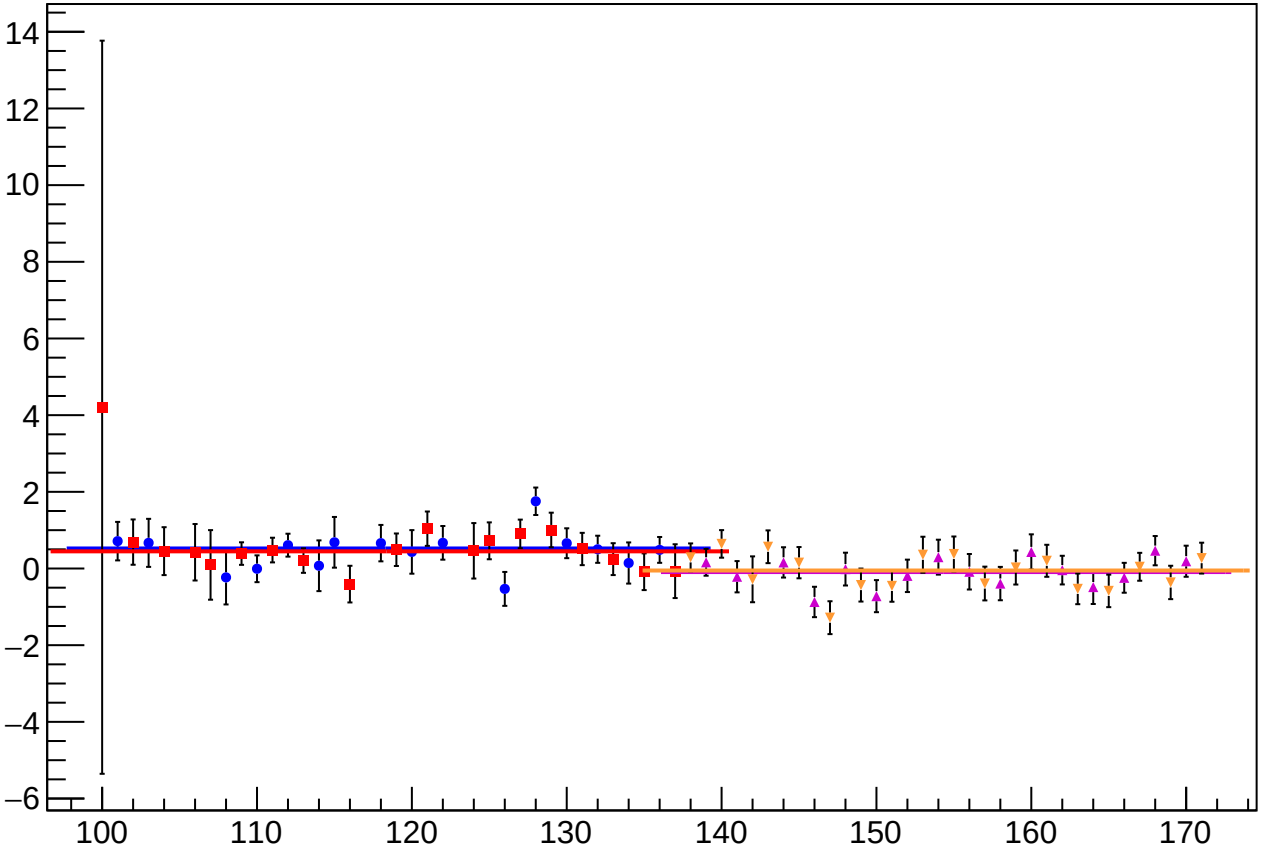
Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.038+/-0.003 χ^2/NDF:52.2/31

Out: 0.028+/-0.003 χ^2/NDF:10032.9/34

All: 0.033+/-0.002 χ^2/NDF: 10089.8/66

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.052+/-0.099 χ^2/NDF:24.0/17

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.093+/-0.103 χ^2/NDF:13.3/15

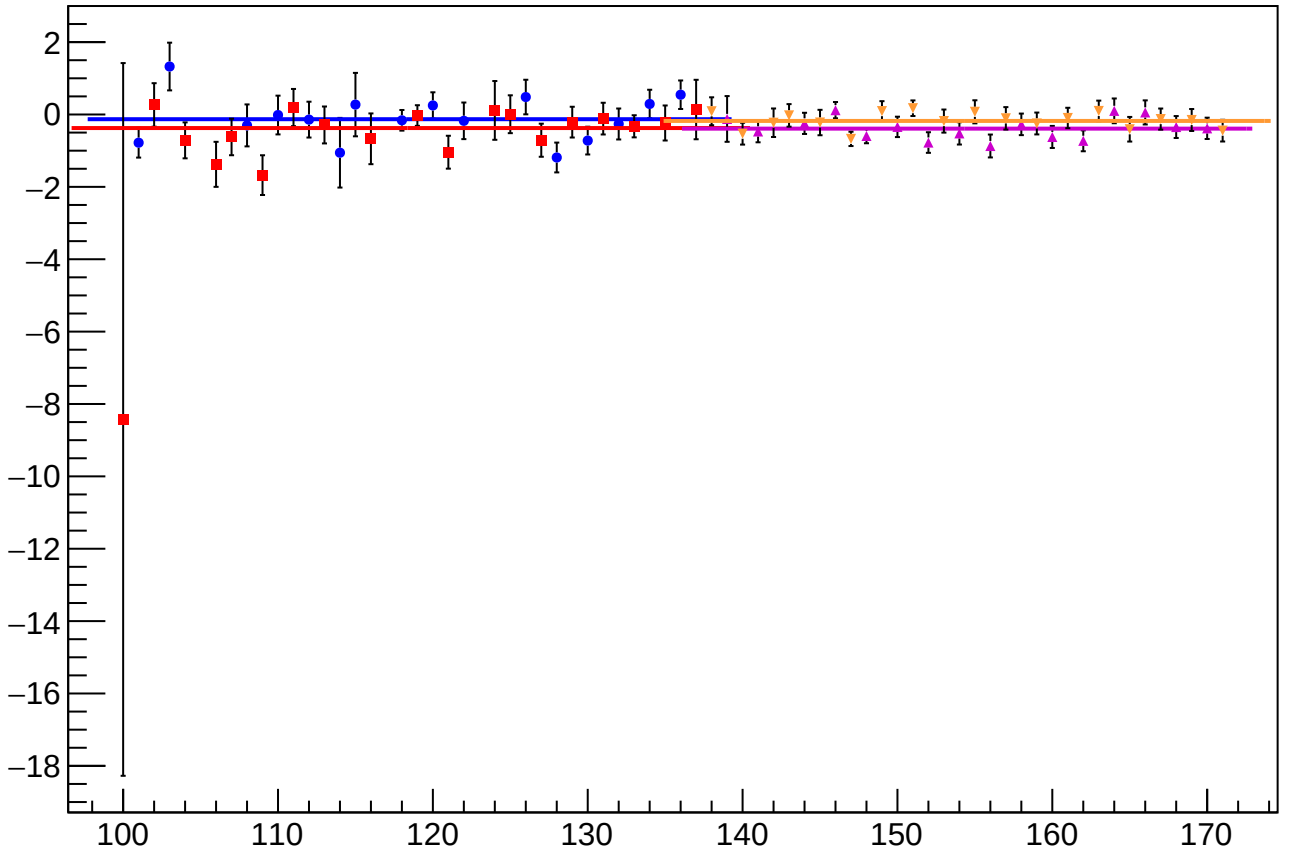
Left: -0.072+/-0.071 χ^2/NDF: 37.4/33

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.198+/-0.075 χ^2/NDF:52.9/31

Out: 0.182+/-0.072 χ^2/NDF:47.4/36

All: 0.190+/-0.052 χ^2/NDF: 100.3/68



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: -0.391+/-0.073 χ^2/NDF:17.0/15

Left: -0.279+/-0.050 χ^2/NDF: 36.6/33

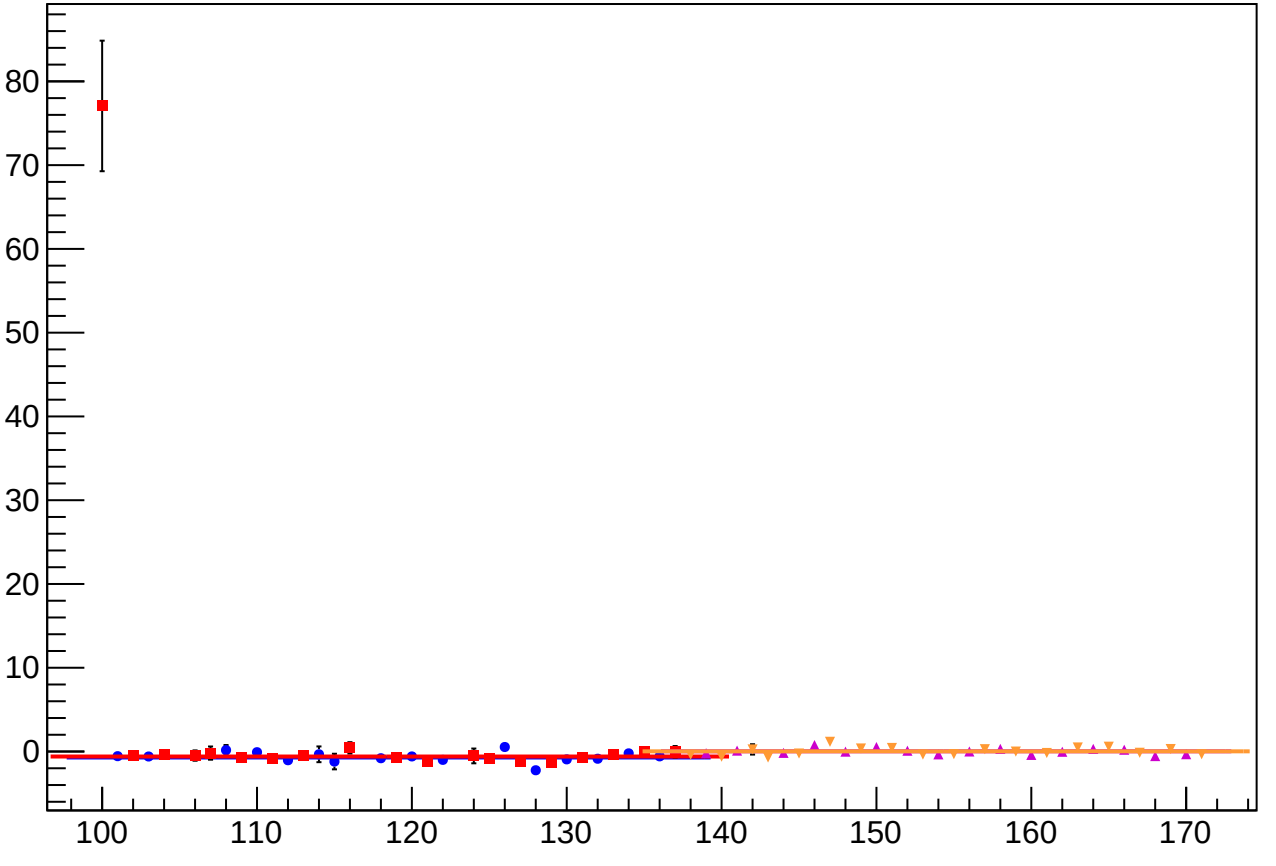
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.313+/-0.061 χ^2/NDF:45.4/31

Out: -0.233+/-0.059 χ^2/NDF:35.6/36

All: -0.271+/-0.042 χ^2/NDF: 81.8/68

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: 0.022+/-0.097 χ^2/NDF:24.0/17

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.027+/-0.100 χ^2/NDF:12.1/15

Left: 0.024+/-0.070 χ^2/NDF: 36.1/33

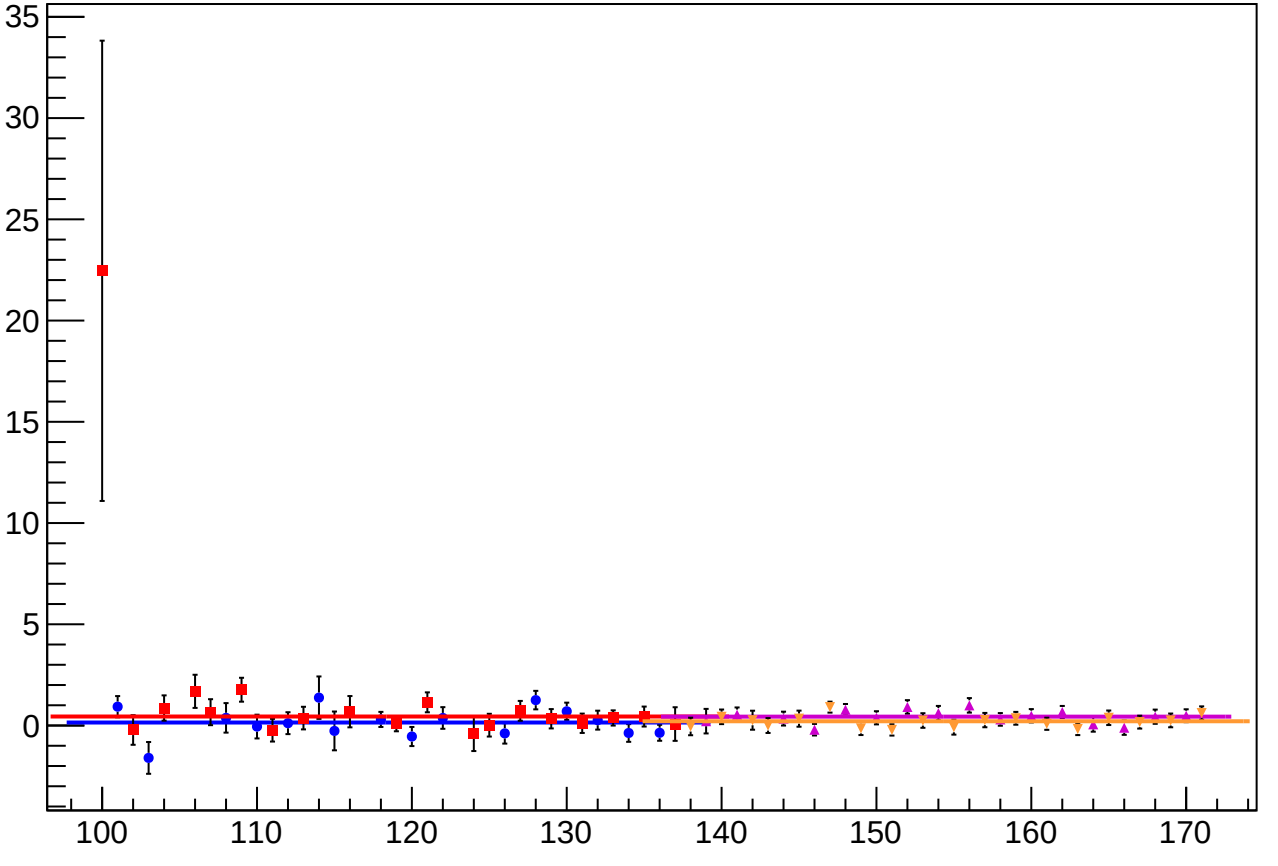
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.271+/-0.077 χ^2/NDF:59.2/31

Out: -0.218+/-0.076 χ^2/NDF:150.8/36

All: -0.244+/-0.054 χ^2/NDF: 210.2/68

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: 0.438+/-0.084 χ^2/NDF:15.9/15

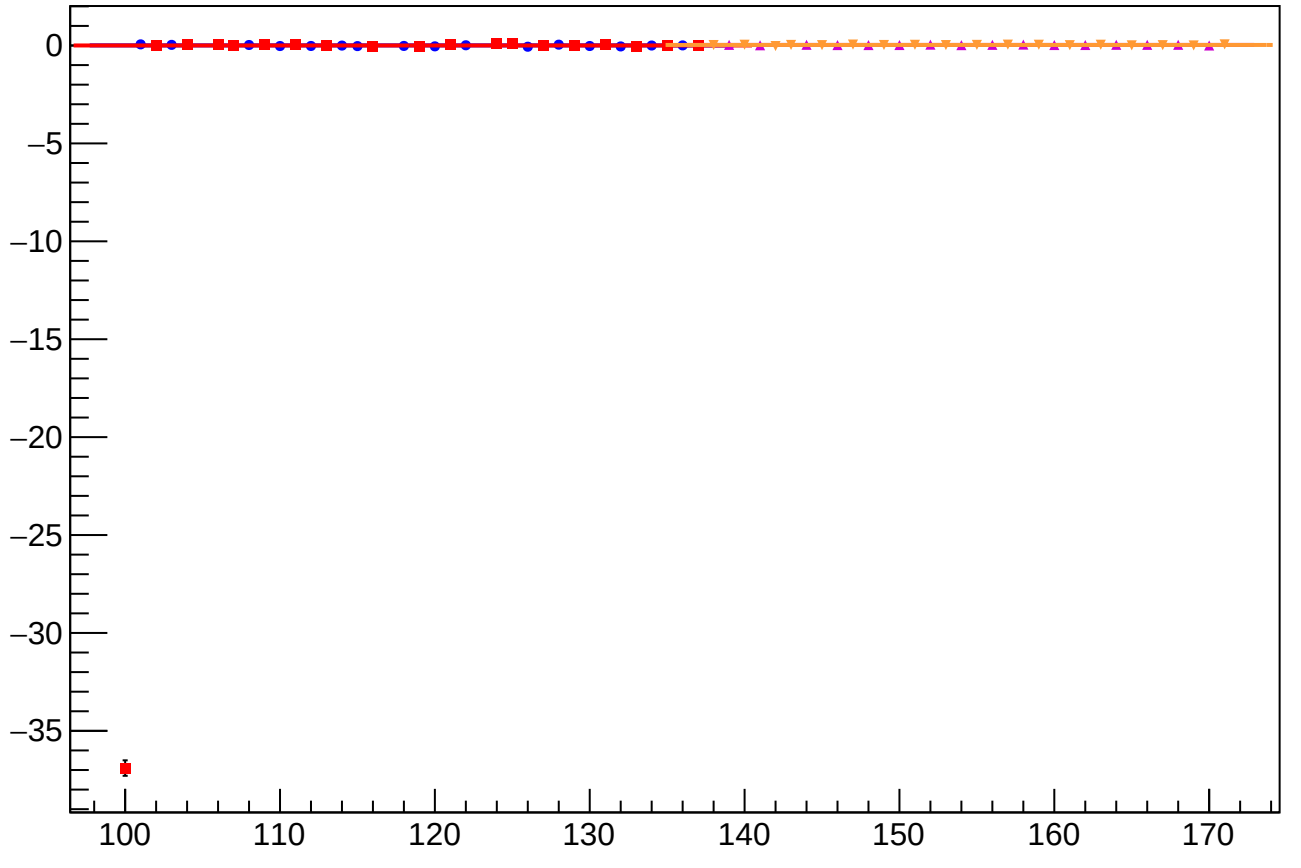
Left: 0.318+/-0.058 χ^2/NDF: 35.5/33

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.351+/-0.070 χ^2/NDF:42.7/31

Out: 0.276+/-0.068 χ^2/NDF:37.8/36

All: 0.312+/-0.049 χ^2/NDF: 81.2/68



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:10.0/15

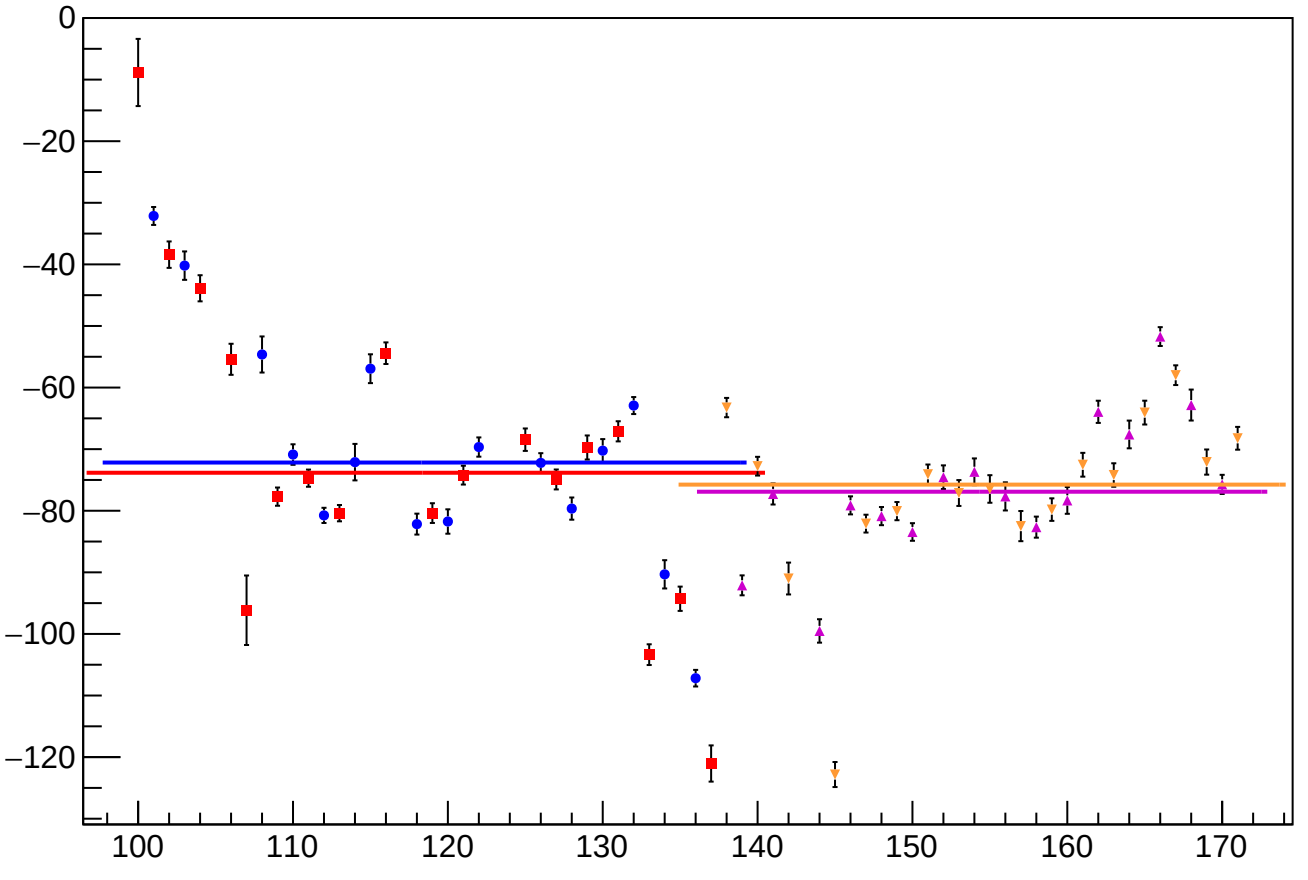
Left: 0.029+/-0.003 χ^2/NDF: 30.7/33

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.024+/-0.003 χ^2/NDF:35.3/31

Out: 0.023+/-0.003 χ^2/NDF:8784.0/36

All: 0.024+/-0.002 χ^2/NDF: 8819.3/68



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: -76.911+/-0.441 χ^2/NDF:647.4/15

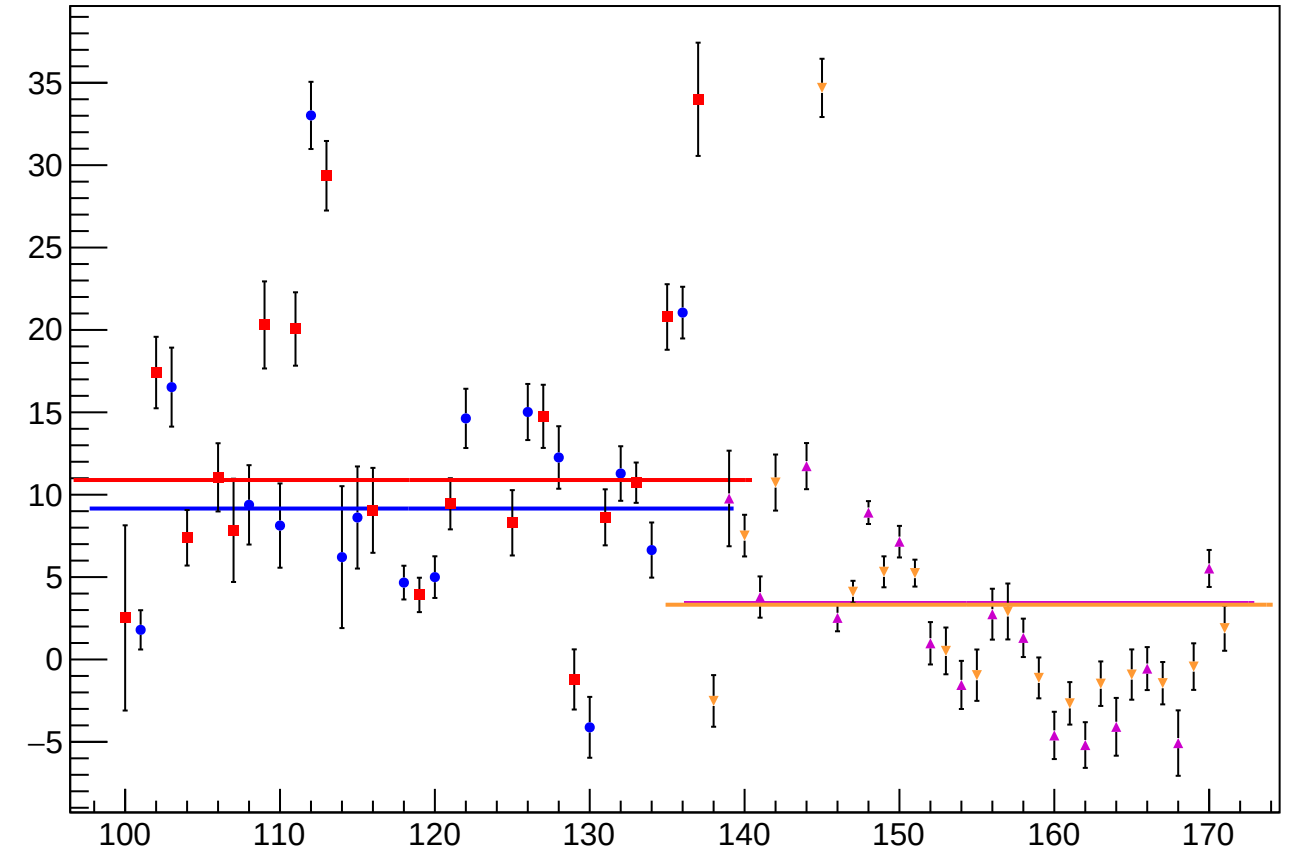
Left: -76.332+/-0.311 χ^2/NDF: 1514.0/32

Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

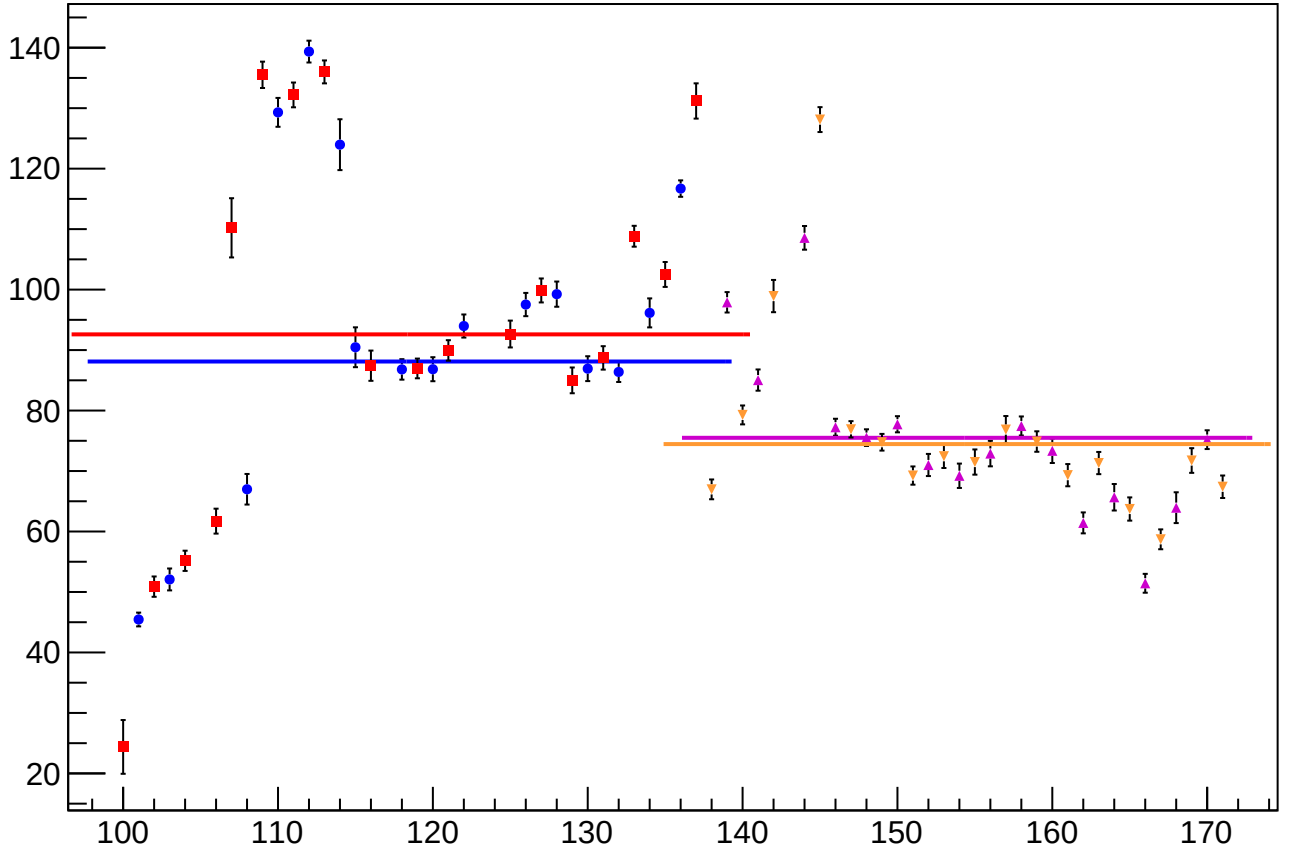
In: -74.495+/-0.308 χ^2/NDF:2642.3/31

Out: -74.775+/-0.307 χ^2/NDF:2430.6/34

All: -74.635+/-0.218 χ^2/NDF: 5073.4/66


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.324+/-0.292 χ²/NDF:458.2/16
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.426+/-0.300 χ²/NDF:257.0/15
Left: 3.373+/-0.209 χ²/NDF: 715.3/32
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.331+/-0.245 χ²/NDF:730.7/31
Out: 5.639+/-0.243 χ²/NDF:953.6/34
All: 5.486+/-0.173 χ²/NDF: 1685.1/66

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: 75.494+/-0.428 χ^2/NDF:859.8/15

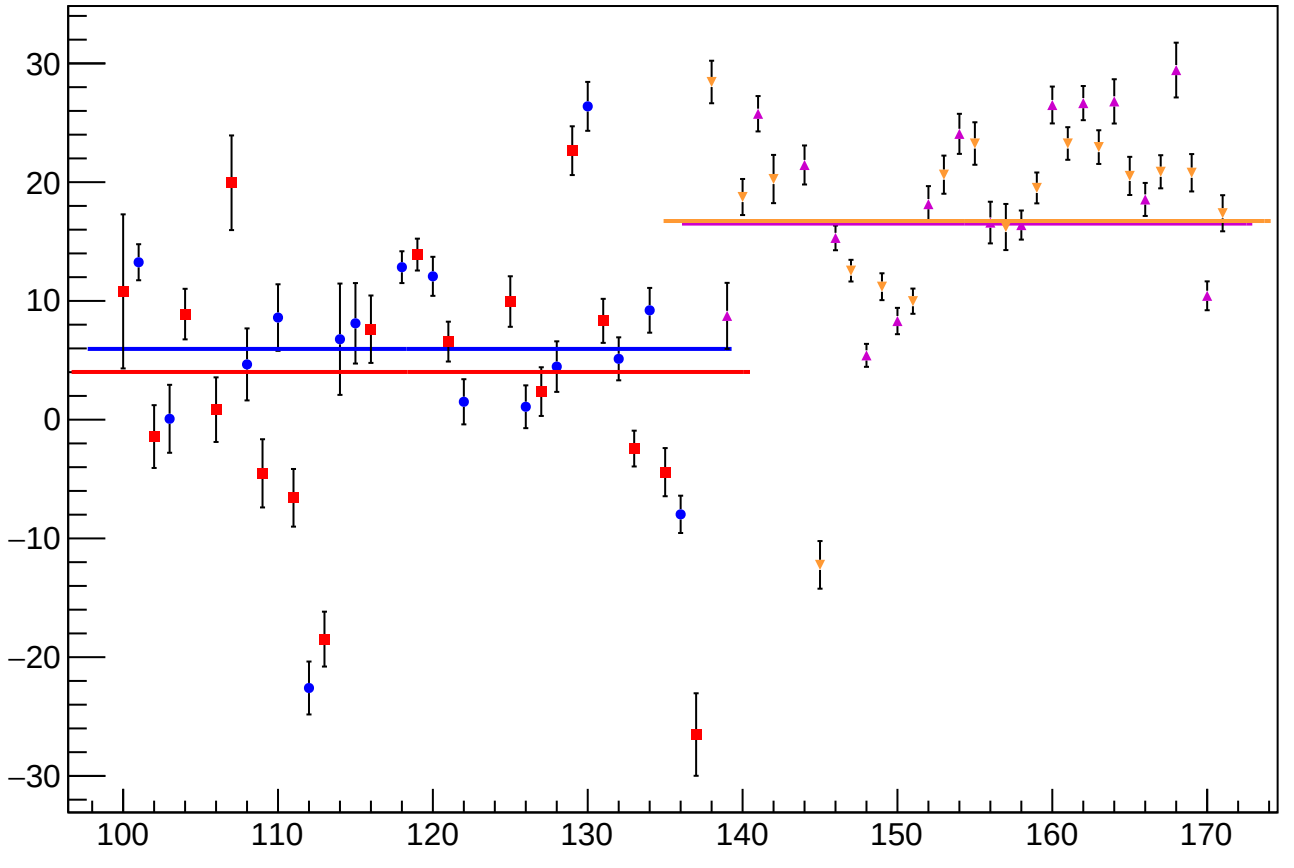
Left: 74.975+/-0.302 χ^2/NDF: 1826.5/32

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 81.225+/-0.316 χ^2/NDF:4817.0/31

Out: 82.415+/-0.320 χ^2/NDF:4966.0/34

All: 81.812+/-0.225 χ^2/NDF: 9790.0/66



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: 16.513+/-0.351 χ^2/NDF:444.8/15

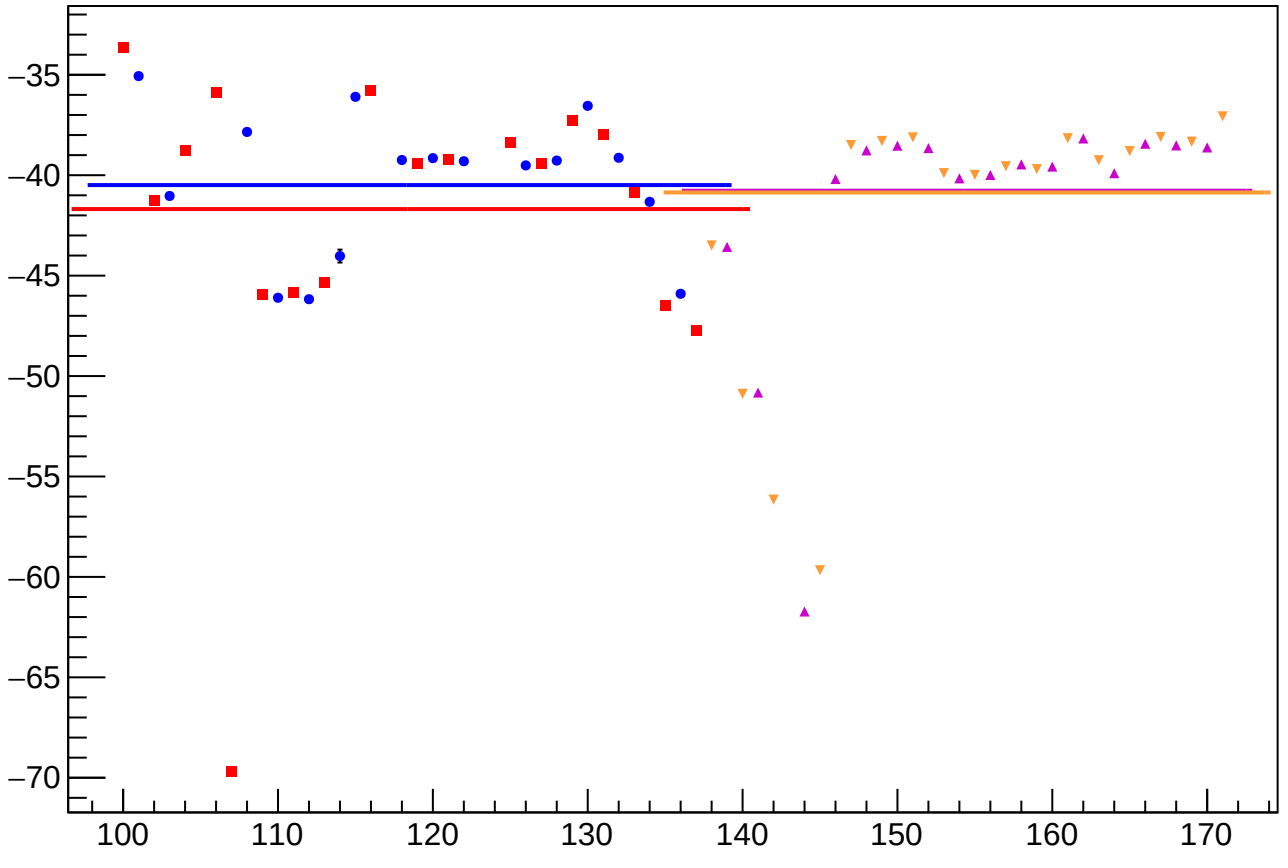
Left: 16.623+/-0.246 χ^2/NDF: 873.2/32

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 12.974+/-0.286 χ^2/NDF:1174.2/31

Out: 12.742+/-0.285 χ^2/NDF:1273.0/34

All: 12.858+/-0.202 χ^2/NDF: 2447.5/66



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: -40.773+/-0.016 χ^2/NDF:89039.3/15

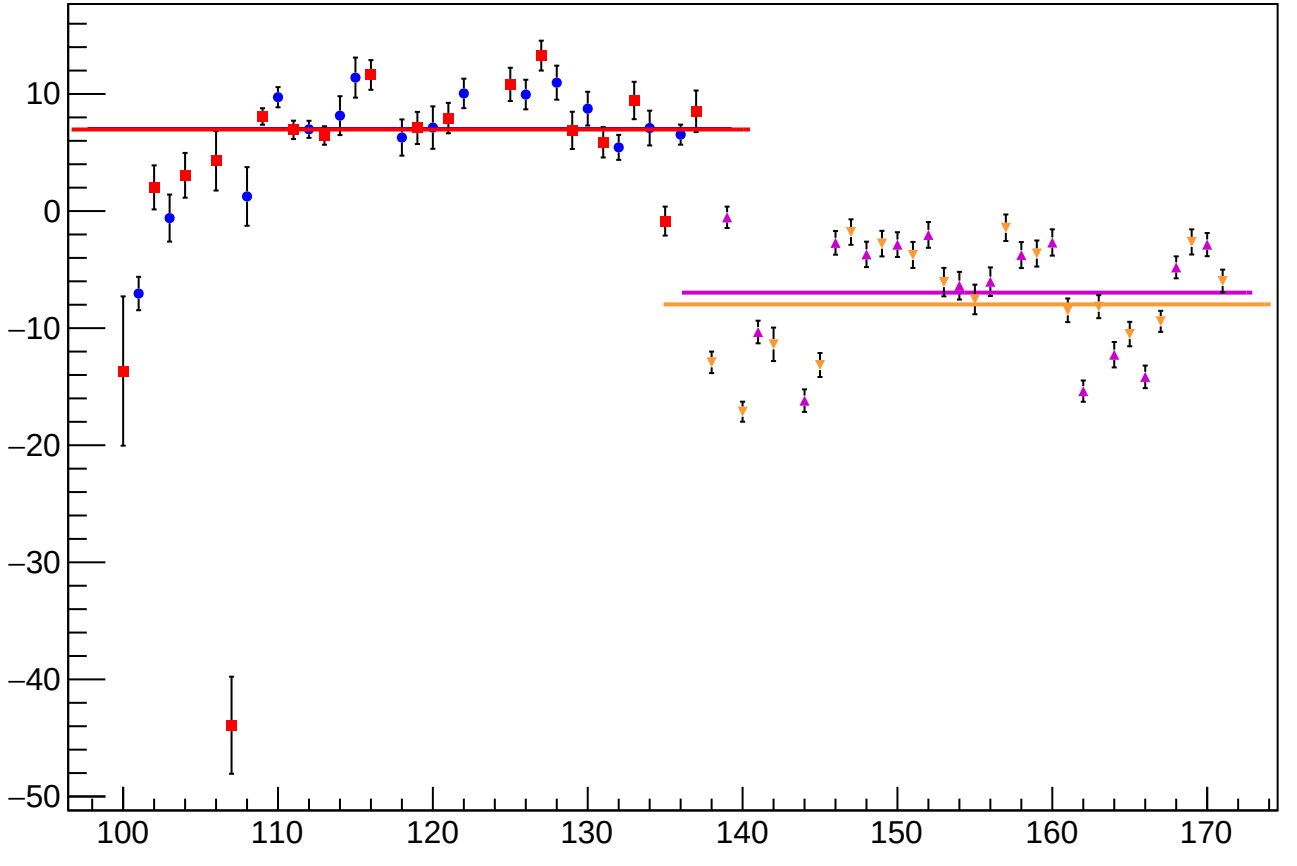
Left: -40.815+/-0.011 χ^2/NDF: 201243.0/32

Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

In: -40.704+/-0.014 χ^2/NDF:107239.6/31

Out: -41.051+/-0.014 χ^2/NDF:149642.4/34

All: -40.876+/-0.010 χ^2/NDF: 257186.4/66



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: -6.965+/-0.257 χ^2/NDF:426.8/15

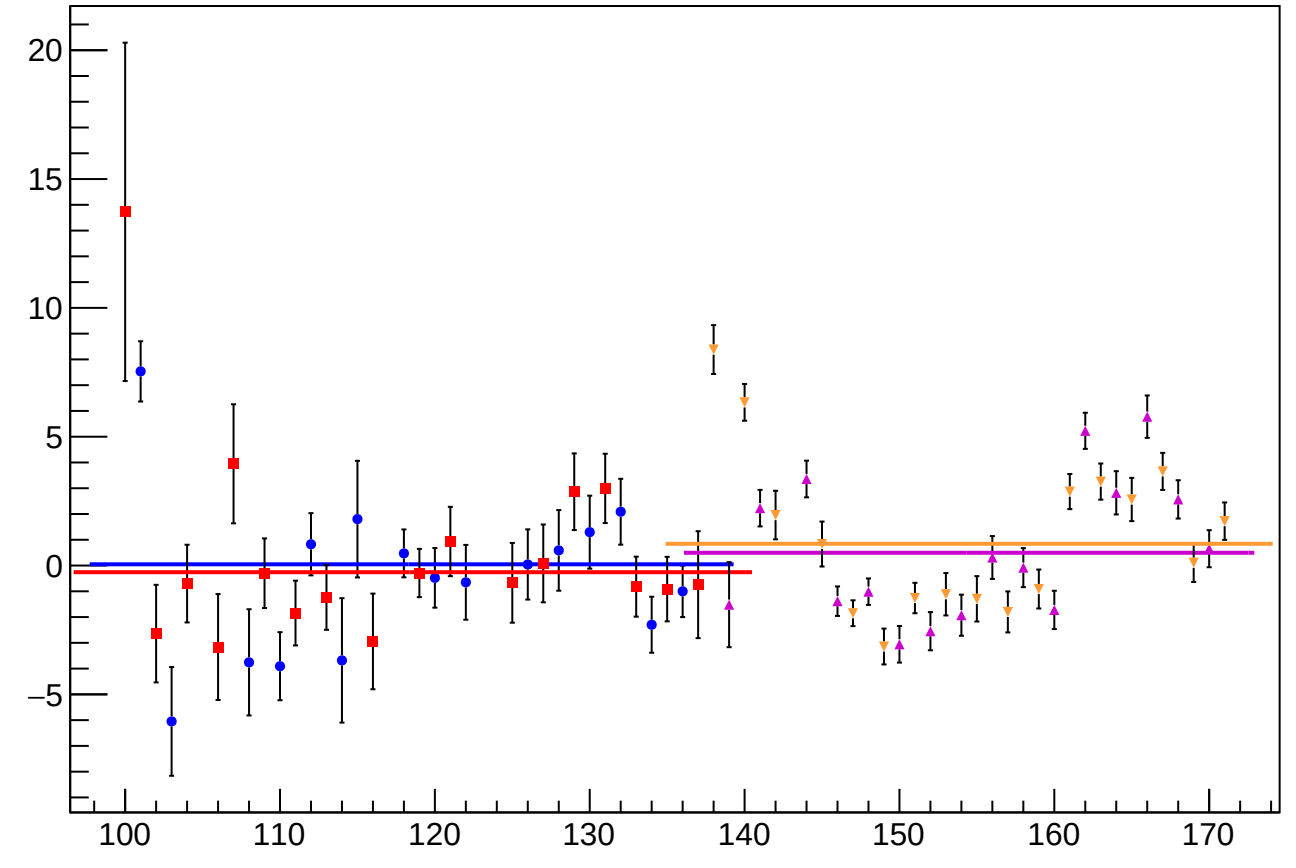
Left: -7.472+/-0.181 χ^2/NDF: 767.8/32

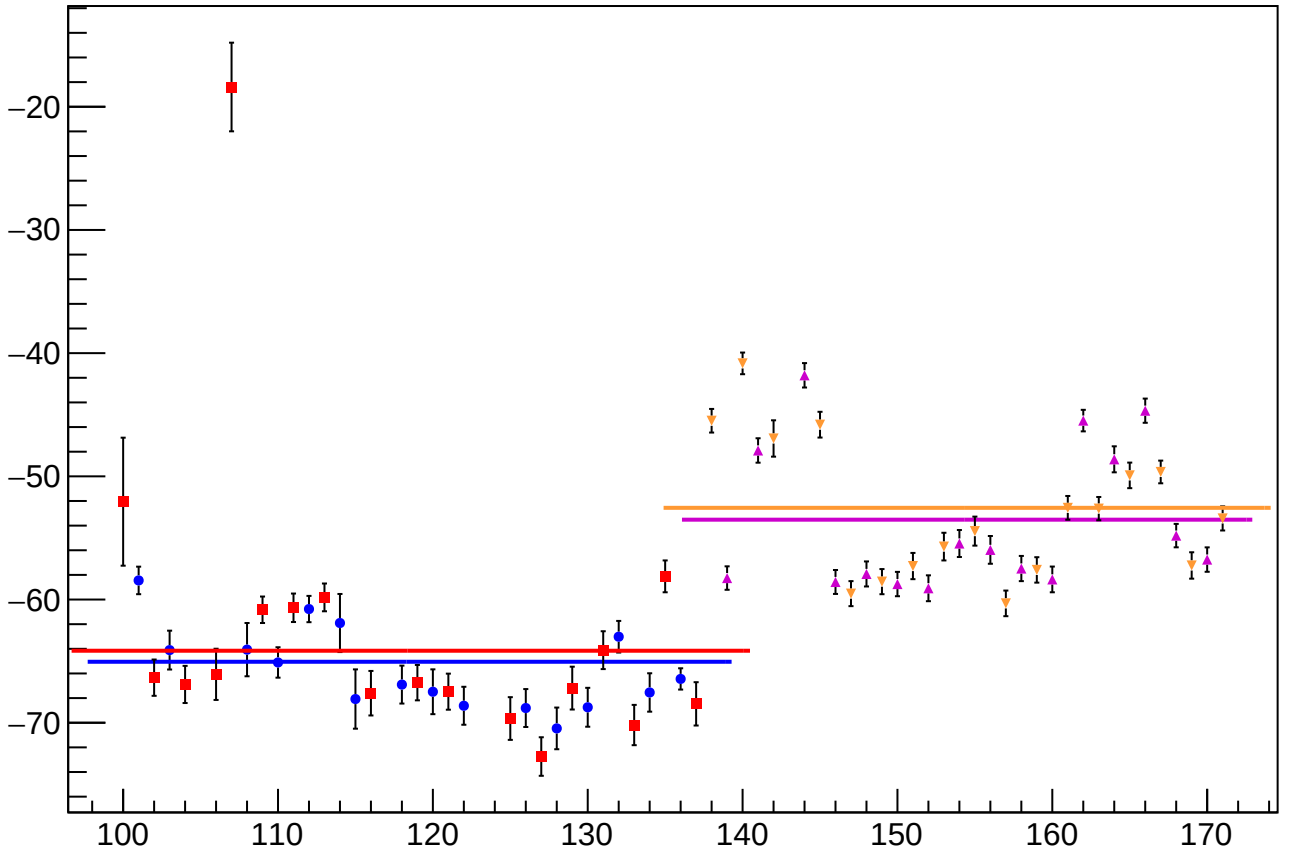
Right: 6.988+/-0.215 χ^2/NDF: 422.3/33

In: -1.263+/-0.198 χ^2/NDF:1792.1/31

Out: -1.680+/-0.193 χ^2/NDF:2051.9/34

All: -1.476+/-0.138 χ^2/NDF: 3846.3/66


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.048+/-0.331 χ²/NDF: 75.0/15
Left Out: 0.844+/-0.177 χ²/NDF:268.8/16
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: 0.496+/-0.182 χ²/NDF:206.1/15
Left: 0.674+/-0.127 χ²/NDF: 476.8/32
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 0.392+/-0.159 χ²/NDF:282.5/31
Out: 0.613+/-0.158 χ²/NDF:304.4/34
All: 0.504+/-0.112 χ²/NDF: 587.9/66



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -52.555+/-0.249 χ^2/NDF:516.1/16

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -53.518+/-0.250 χ^2/NDF:543.2/15

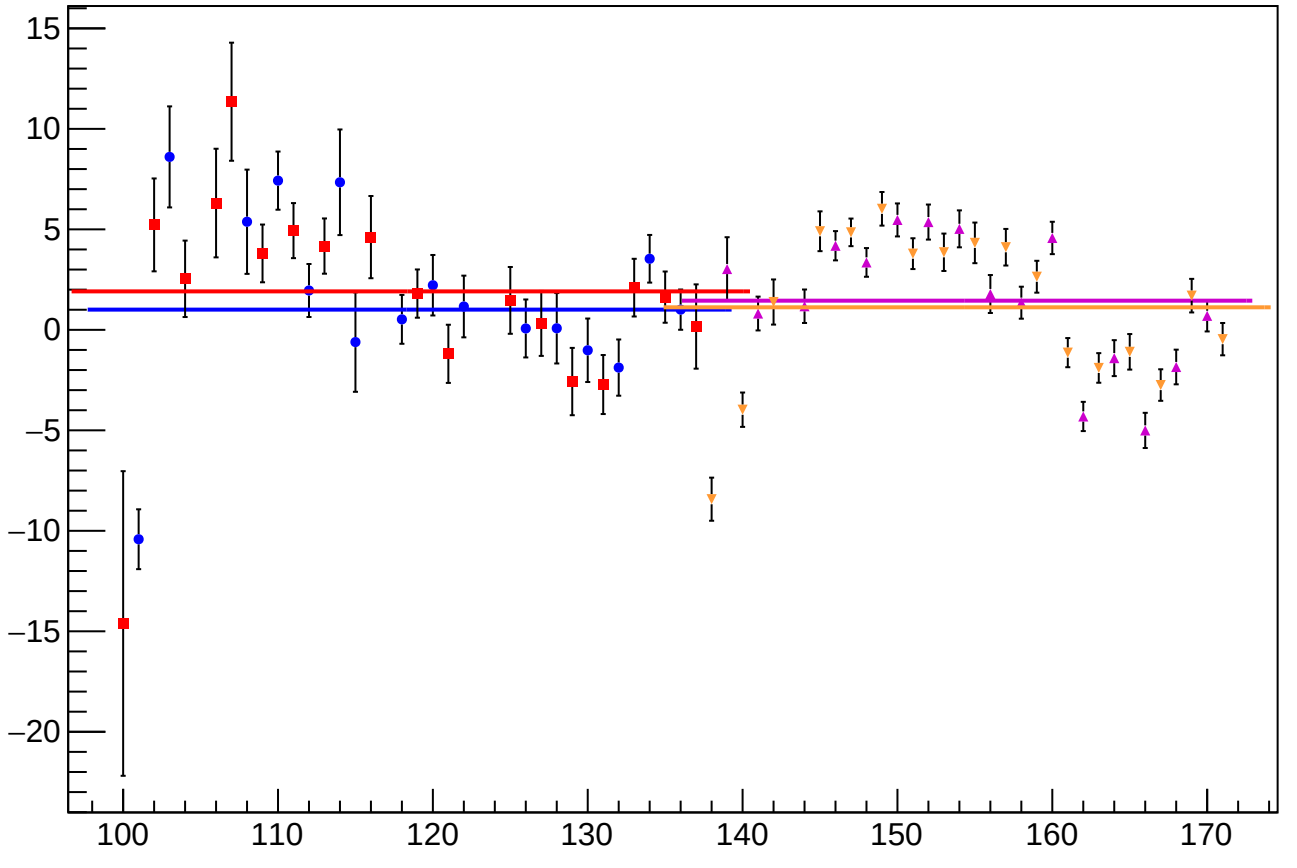
Left: -53.034+/-0.176 χ^2/NDF: 1066.7/32

Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -57.362+/-0.204 χ^2/NDF:1343.6/31

Out: -56.298+/-0.205 χ^2/NDF:1521.4/34

All: -56.831+/-0.145 χ^2/NDF: 2878.5/66



Right In: 1.006+/-0.376 χ^2/NDF: 109.2/15

Left Out: 1.121+/-0.205 χ^2/NDF:300.0/16

Right Out: 1.914+/-0.390 χ^2/NDF: 54.5/17

Left In: 1.452+/-0.210 χ^2/NDF:240.1/15

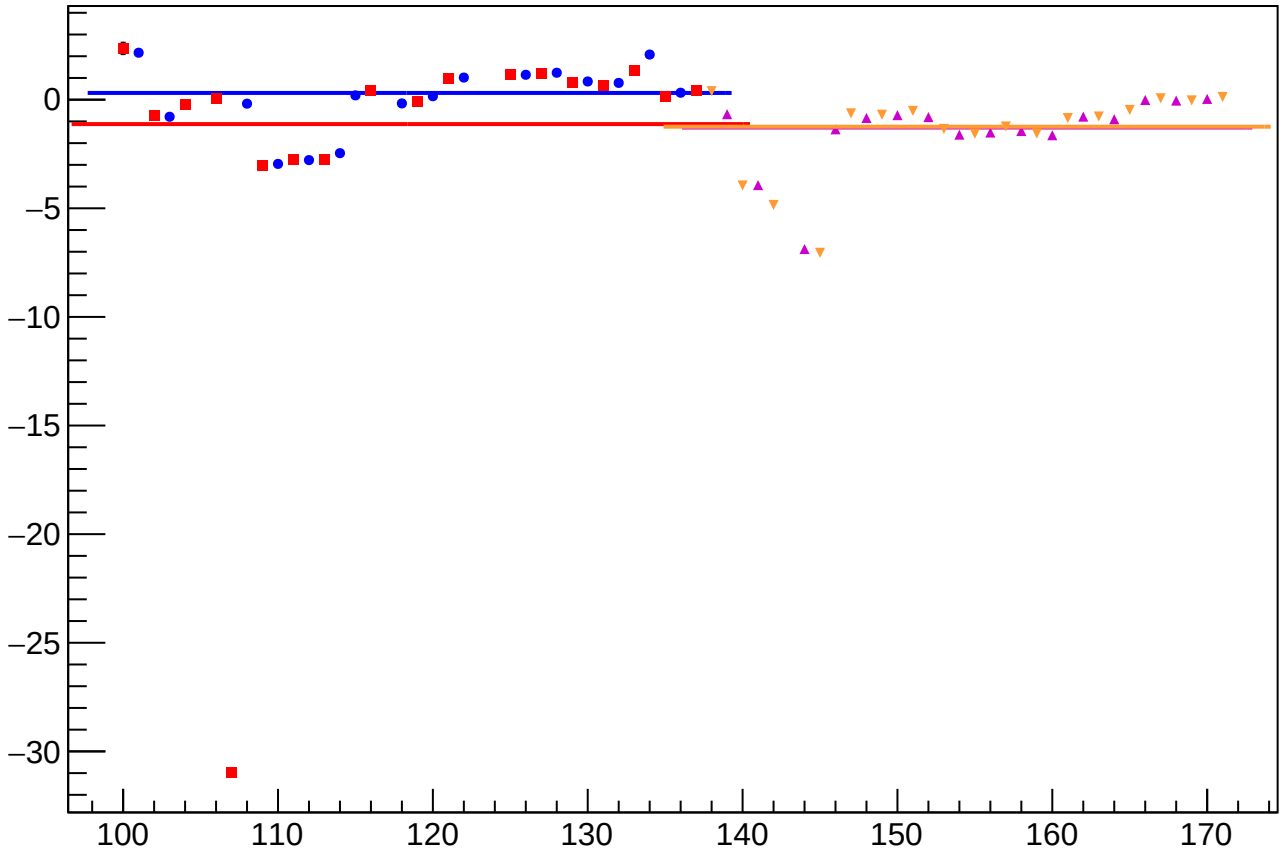
Left: 1.283+/-0.146 χ^2/NDF: 541.4/32

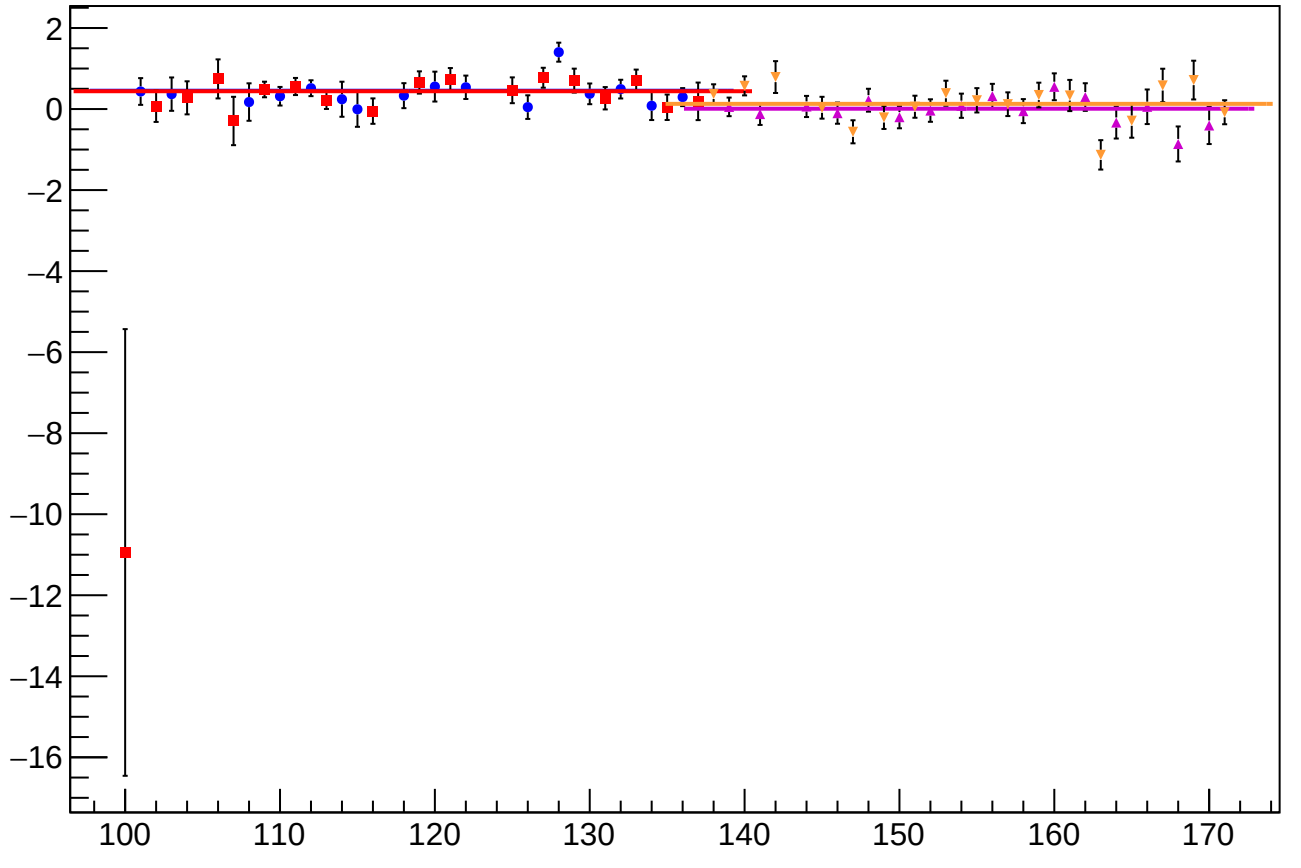
Right: 1.443+/-0.270 χ^2/NDF: 166.5/33

In: 1.346+/-0.183 χ^2/NDF:350.4/31

Out: 1.293+/-0.181 χ^2/NDF:357.7/34

All: 1.319+/-0.129 χ^2/NDF: 708.2/66


reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
110
120
130
140
150
160
170
Right In: 0.310+/-0.021 χ²/NDF: 4848.4/15
Left Out: -1.243+/-0.009 χ²/NDF:35852.5/16
Right Out: -1.124+/-0.022 χ²/NDF: 46347.9/17
Left In: -1.281+/-0.009 χ²/NDF:25569.8/15
Left: -1.262+/-0.007 χ²/NDF: 61430.7/32
Right: -0.369+/-0.015 χ²/NDF: 53391.3/33
In: -1.021+/-0.009 χ²/NDF:35193.2/31
Out: -1.226+/-0.009 χ²/NDF:82225.1/34
All: -1.123+/-0.006 χ²/NDF: 117706.9/66



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: 0.008+/-0.076 χ^2/NDF:11.8/15

Left: 0.069+/-0.053 χ^2/NDF: 45.8/32

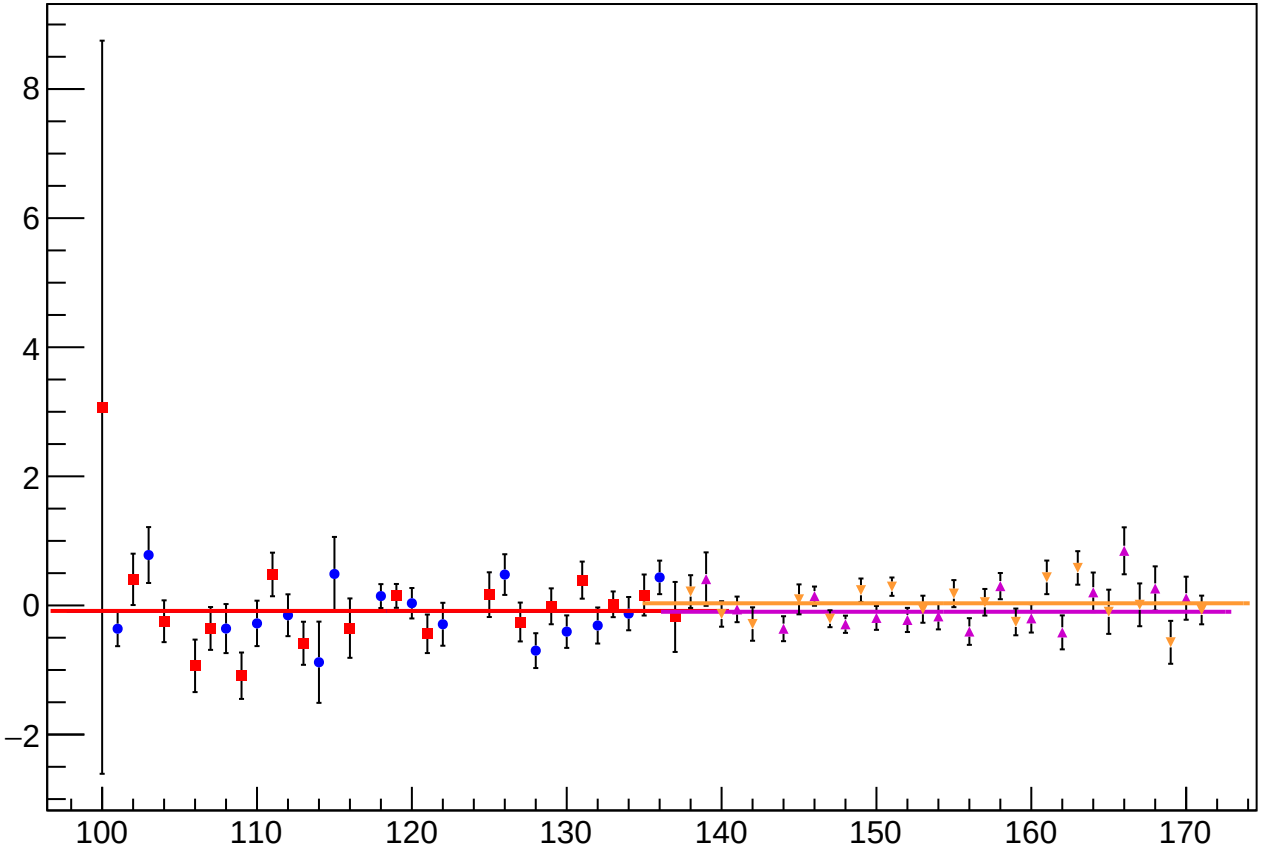
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.244+/-0.052 χ^2/NDF:52.7/31

Out: 0.295+/-0.051 χ^2/NDF:60.6/34

All: 0.270+/-0.036 χ^2/NDF: 113.8/66

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.033+/-0.051 χ^2/NDF:23.8/16

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.098+/-0.053 χ^2/NDF:25.9/15

Left: -0.031+/-0.037 χ^2/NDF: 53.0/32

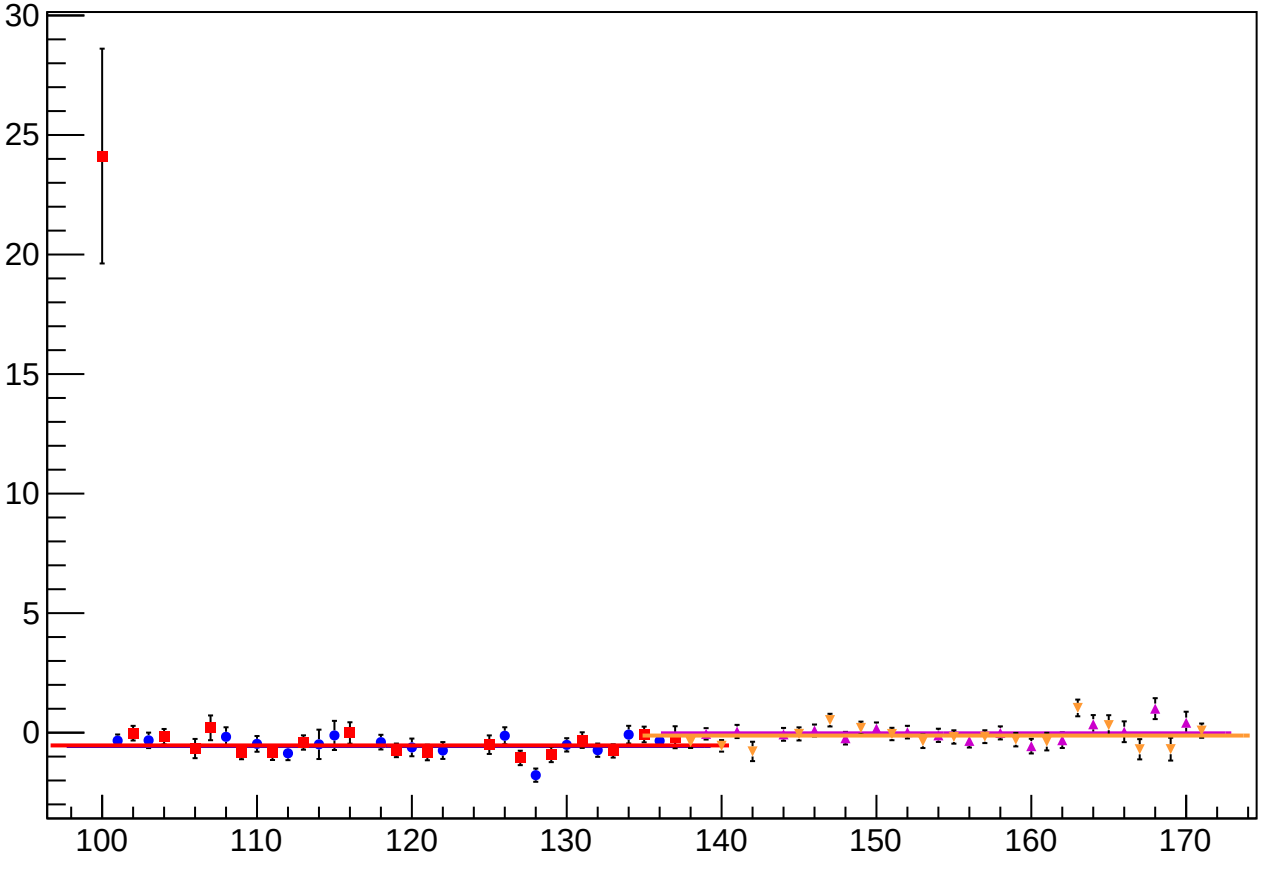
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.094+/-0.043 χ^2/NDF:51.3/31

Out: -0.005+/-0.042 χ^2/NDF:53.5/34

All: -0.049+/-0.030 χ^2/NDF: 107.0/66

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: -0.028+/-0.073 χ^2/NDF:14.2/15

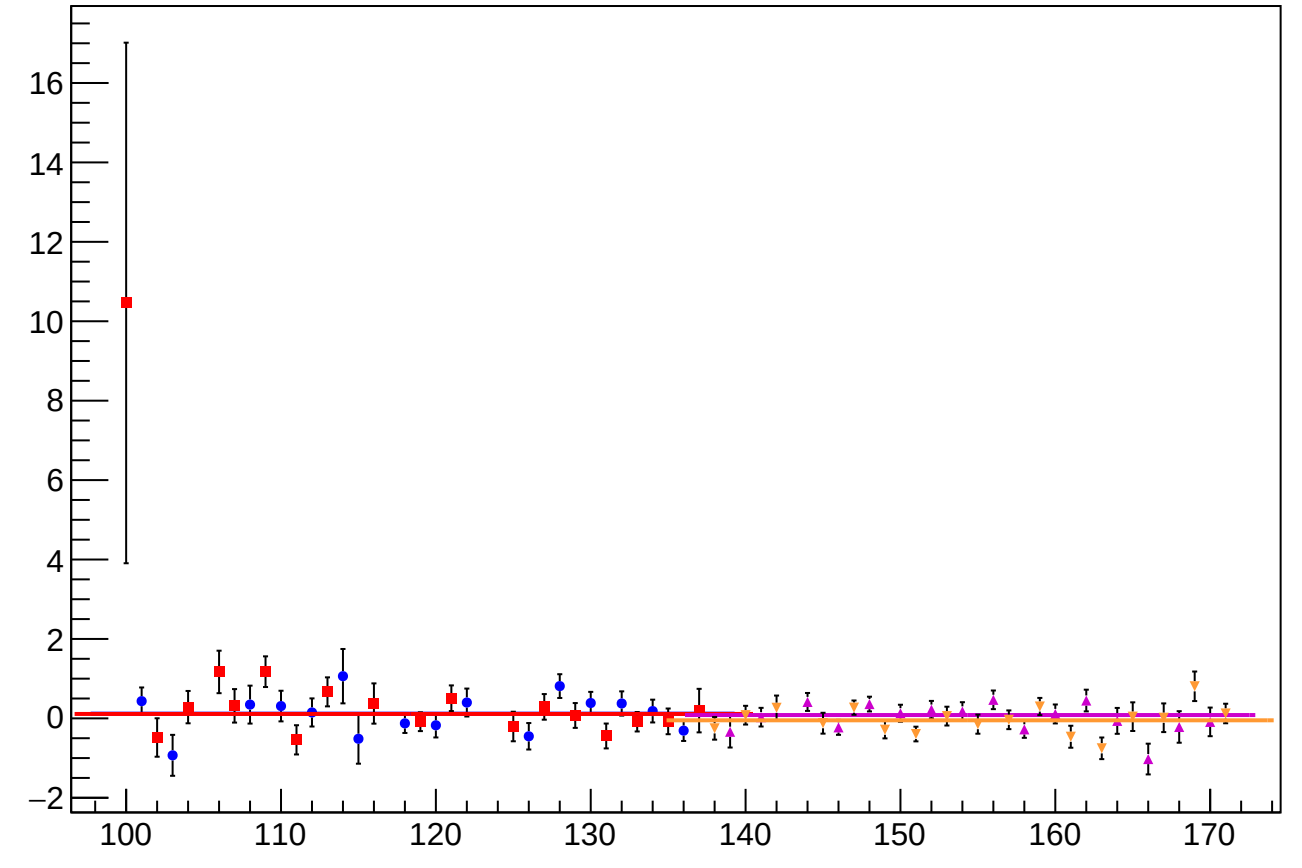
Left: -0.075+/-0.052 χ^2/NDF: 46.9/32

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.272+/-0.054 χ^2/NDF:66.5/31

Out: -0.306+/-0.054 χ^2/NDF:95.5/34

All: -0.289+/-0.038 χ^2/NDF: 162.2/66



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: 0.084+/-0.062 χ^2/NDF:25.3/15

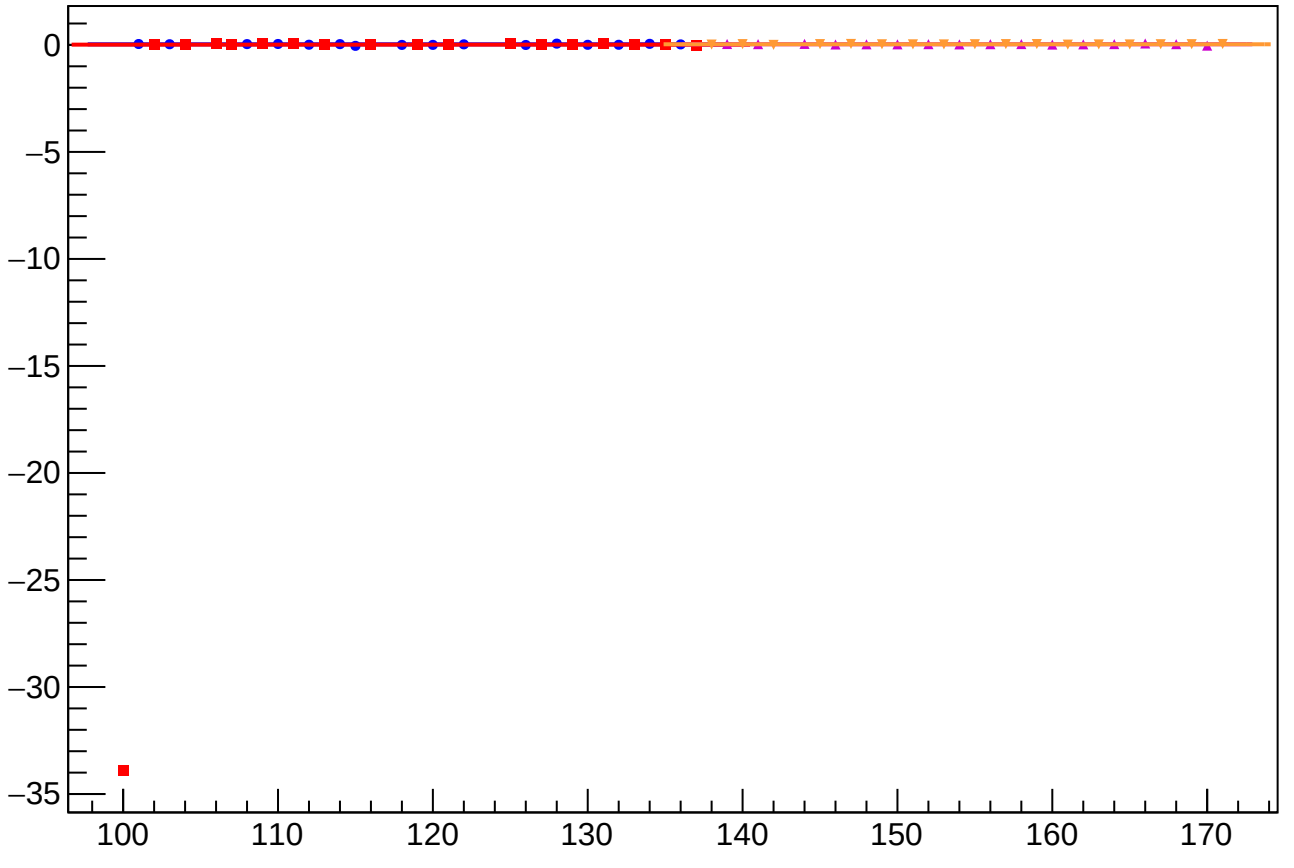
Left: 0.016+/-0.043 χ^2/NDF: 55.2/32

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.096+/-0.050 χ^2/NDF:49.1/31

Out: 0.005+/-0.049 χ^2/NDF:58.9/34

All: 0.050+/-0.035 χ^2/NDF: 109.7/66



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: 0.031+/-0.003 χ^2/NDF:29.7/15

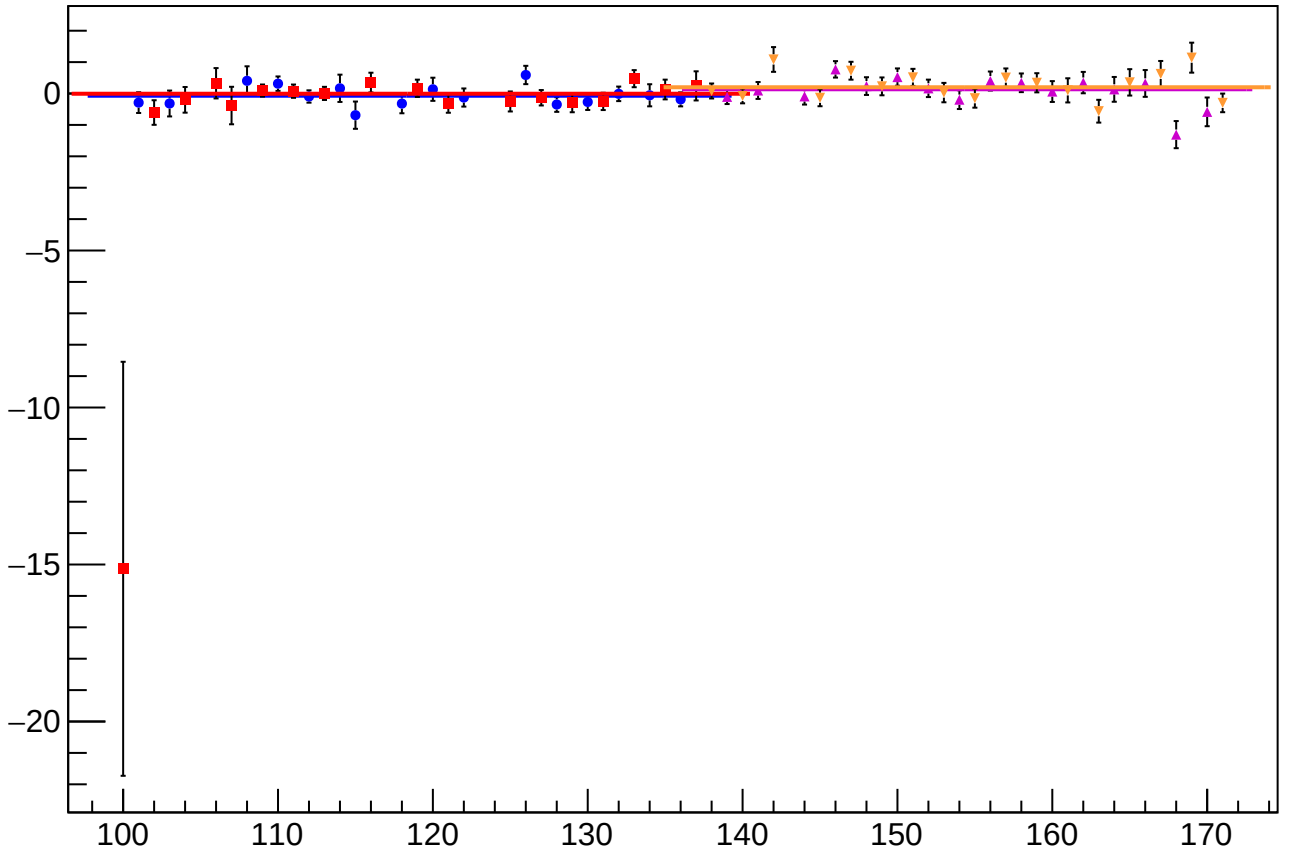
Left: 0.030+/-0.002 χ^2/NDF: 43.3/32

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.030+/-0.002 χ^2/NDF:44.8/31

Out: 0.025+/-0.002 χ^2/NDF:22285.1/34

All: 0.028+/-0.002 χ^2/NDF: 22332.2/66



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: 0.136+/-0.076 χ^2/NDF:26.6/15

Left: 0.168+/-0.053 χ^2/NDF: 55.4/32

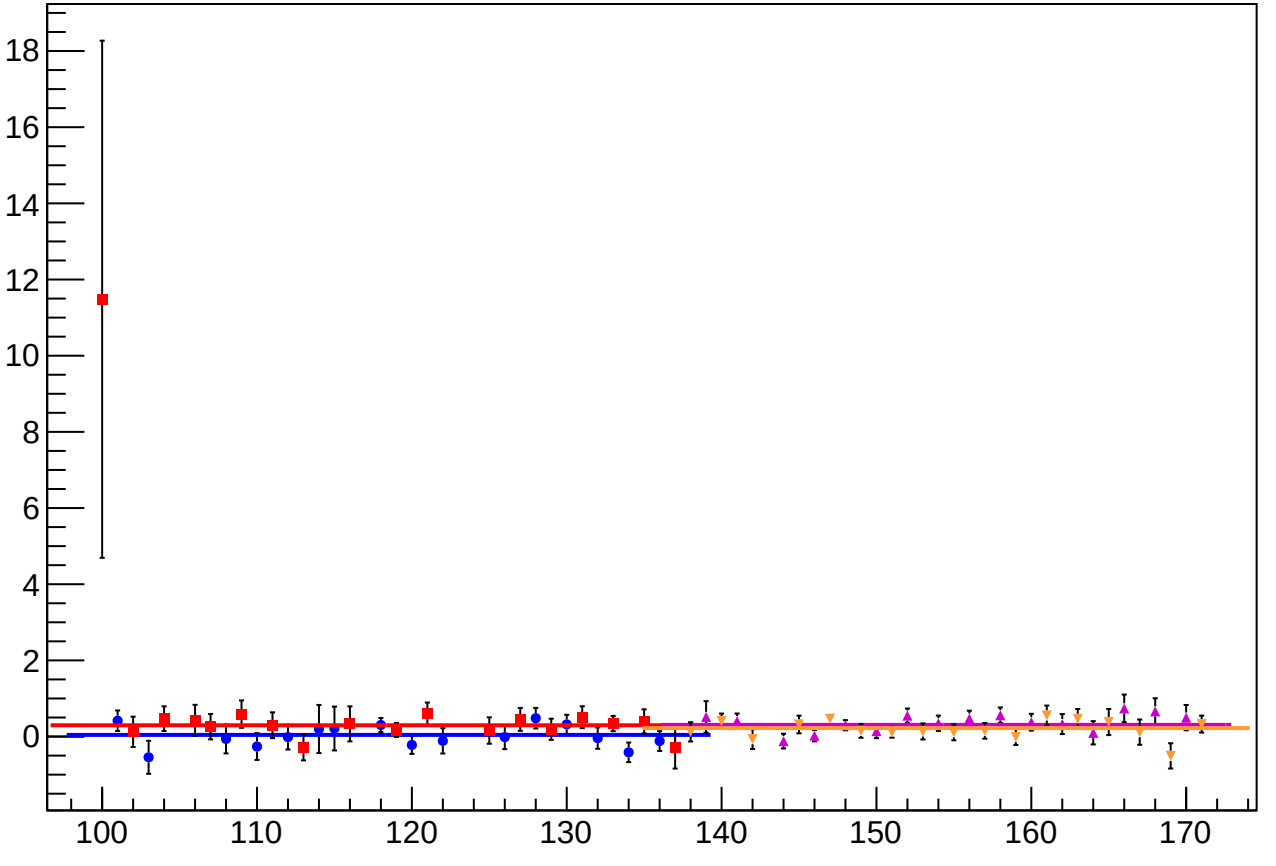
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.026+/-0.052 χ^2/NDF:46.0/31

Out: 0.089+/-0.051 χ^2/NDF:50.6/34

All: 0.058+/-0.036 χ^2/NDF: 97.4/66

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.044+/-0.073 χ^2/NDF: 15.7/15

Left Out: 0.222+/-0.051 χ^2/NDF:16.4/16

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.306+/-0.053 χ^2/NDF:17.1/15

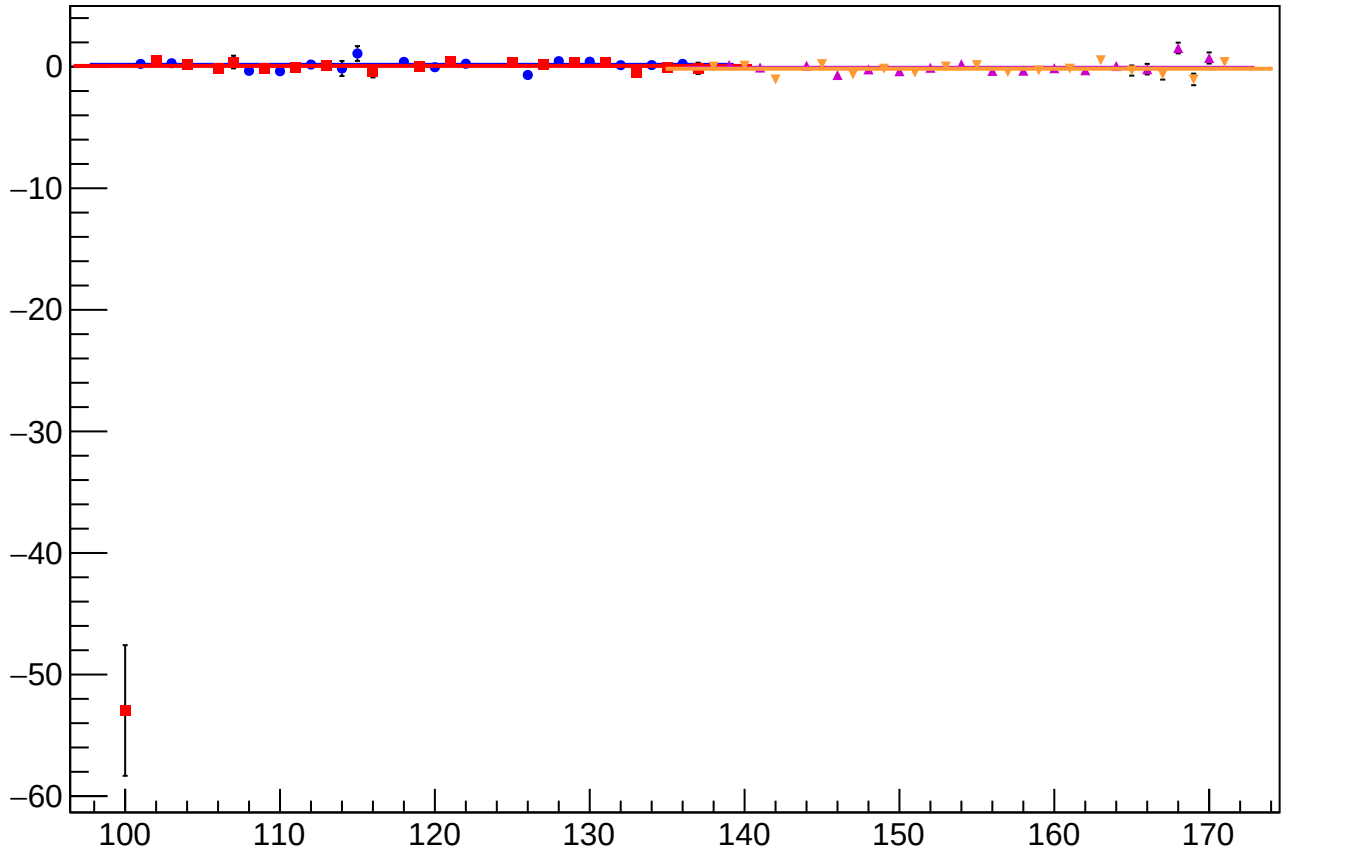
Left: 0.263+/-0.037 χ^2/NDF: 34.8/32

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.216+/-0.043 χ^2/NDF:41.3/31

Out: 0.246+/-0.042 χ^2/NDF:28.1/34

All: 0.232+/-0.030 χ^2/NDF: 69.7/66



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: -0.092+/-0.073 χ^2/NDF:28.6/15

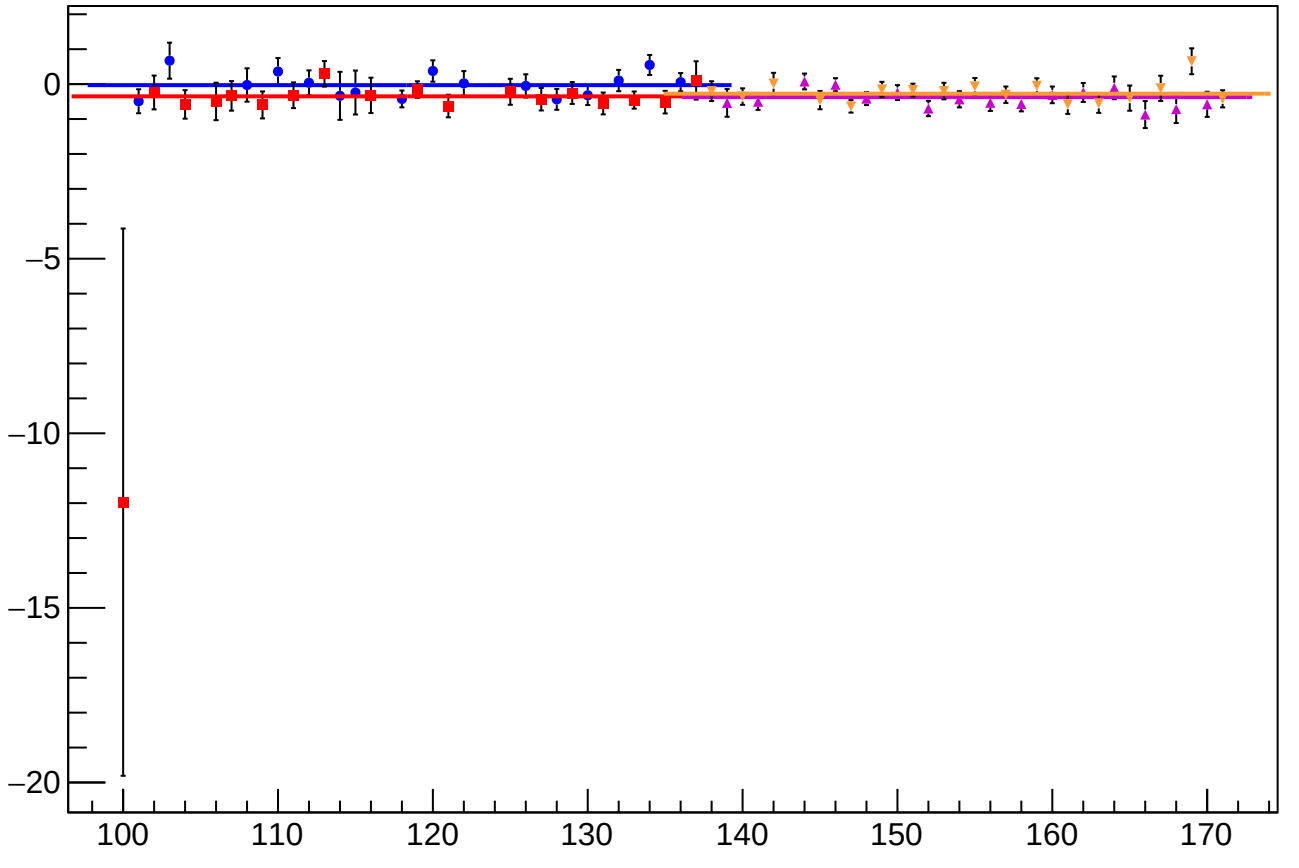
Left: -0.130+/-0.052 χ^2/NDF: 56.6/32

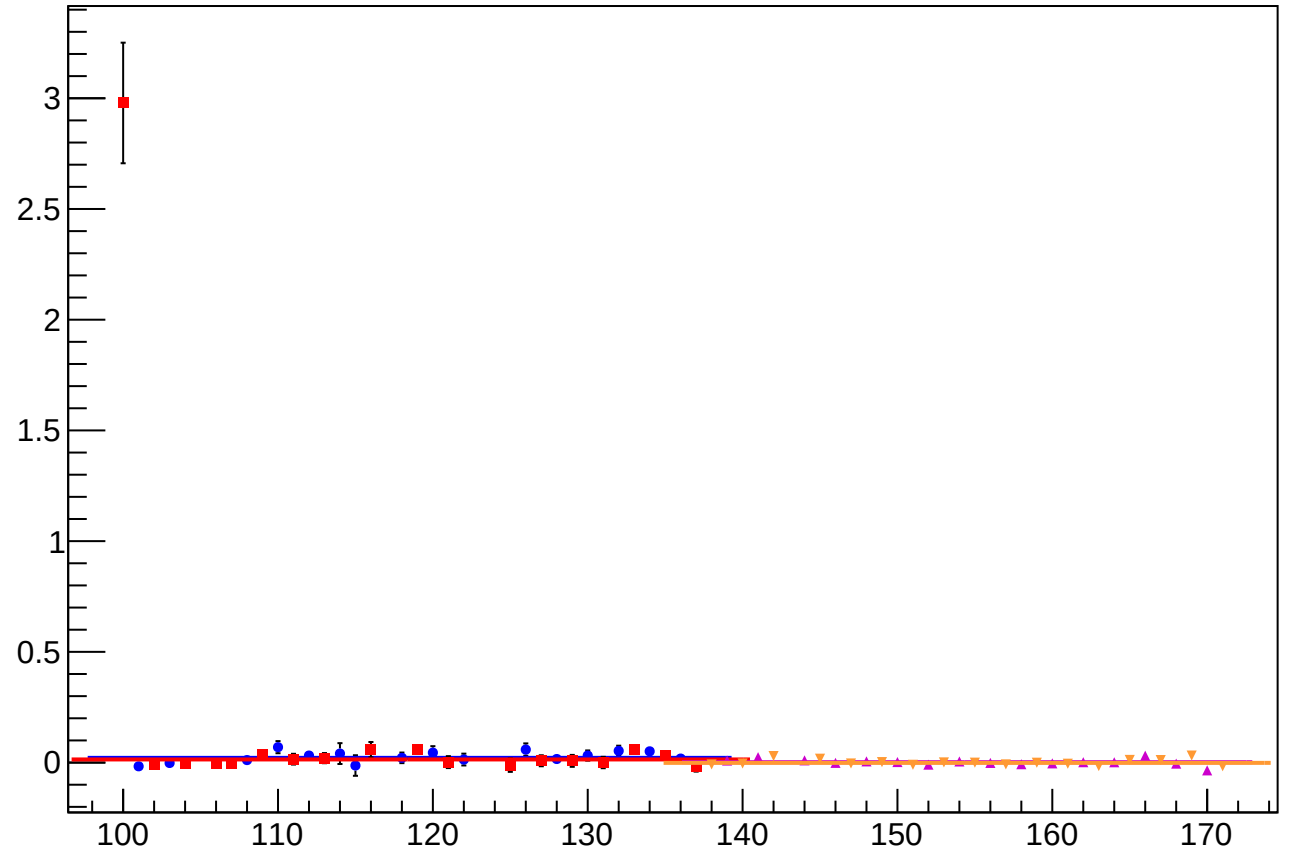
Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.021+/-0.054 χ^2/NDF:49.4/31

Out: -0.063+/-0.054 χ^2/NDF:141.3/34

All: -0.021+/-0.038 χ^2/NDF: 191.9/66


reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
Right In: -0.030+/-0.084 χ²/NDF: 16.8/15
Left Out: -0.274+/-0.060 χ²/NDF:17.3/16
Right Out: -0.350+/-0.085 χ²/NDF: 9.4/17
Left In: -0.372+/-0.062 χ²/NDF:15.6/15
Left: -0.322+/-0.043 χ²/NDF: 34.3/32
Right: -0.188+/-0.060 χ²/NDF: 33.4/33
In: -0.252+/-0.050 χ²/NDF:43.2/31
Out: -0.300+/-0.049 χ²/NDF:27.3/34
All: -0.276+/-0.035 χ²/NDF: 71.0/66



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:16.7/15

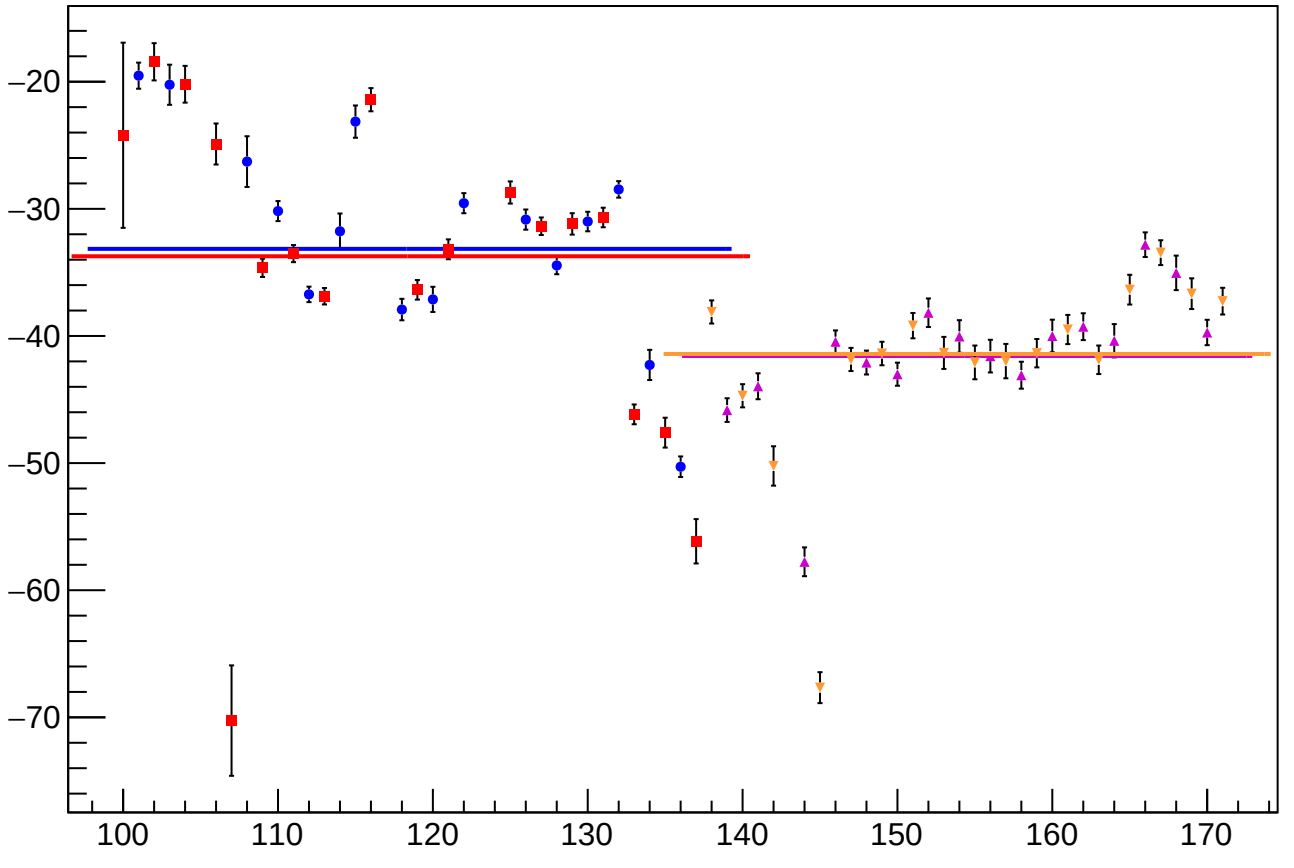
Left: 0.000+/-0.002 χ^2/NDF: 35.0/32

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.007+/-0.002 χ^2/NDF:51.6/31

Out: 0.002+/-0.002 χ^2/NDF:166.1/34

All: 0.004+/-0.002 χ^2/NDF: 219.3/66



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: -41.573+/-0.266 χ^2/NDF:362.5/15

Left: -41.494+/-0.187 χ^2/NDF: 1010.9/32

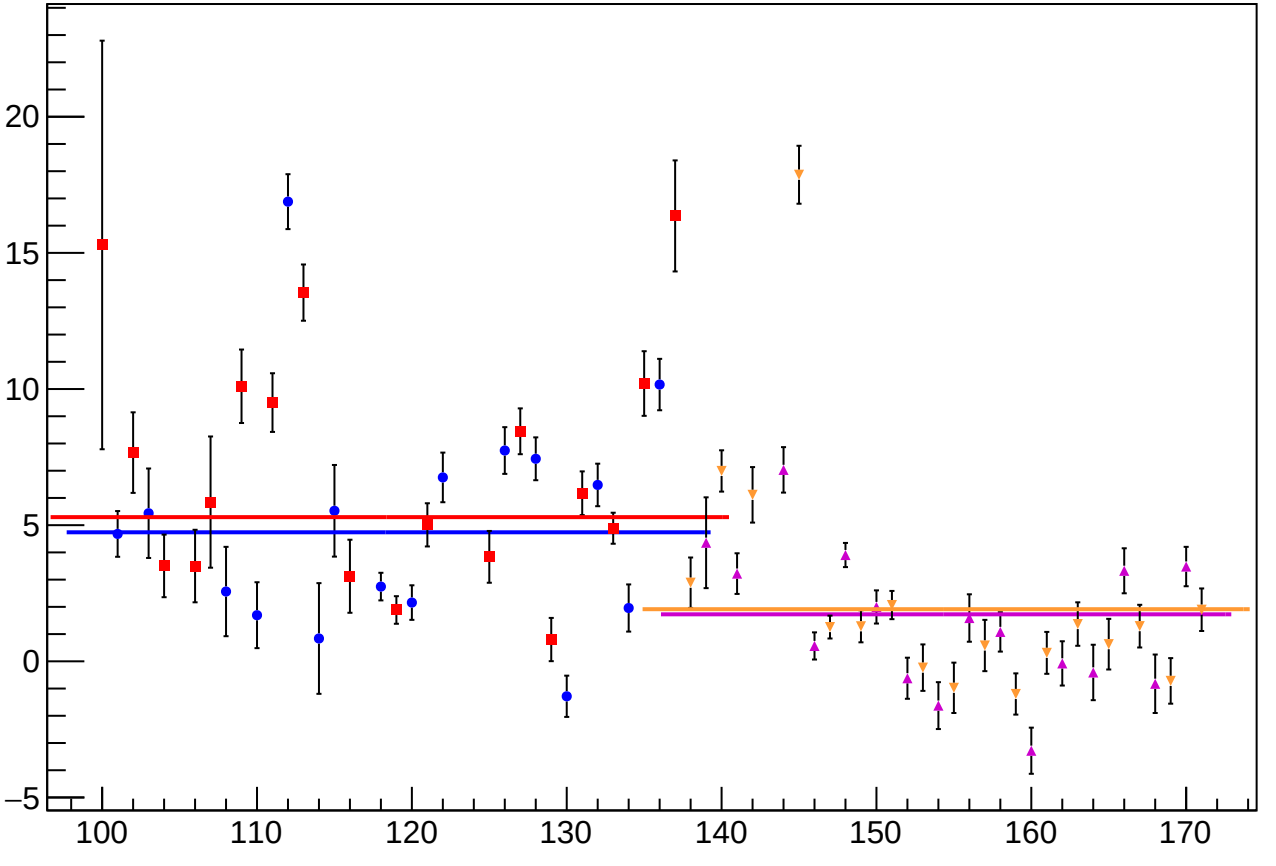
Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.527+/-0.169 χ^2/NDF:1975.6/31

Out: -36.793+/-0.167 χ^2/NDF:2306.7/34

All: -36.662+/-0.119 χ^2/NDF: 4283.6/66

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 1.726+/-0.183 χ^2/NDF:161.7/15

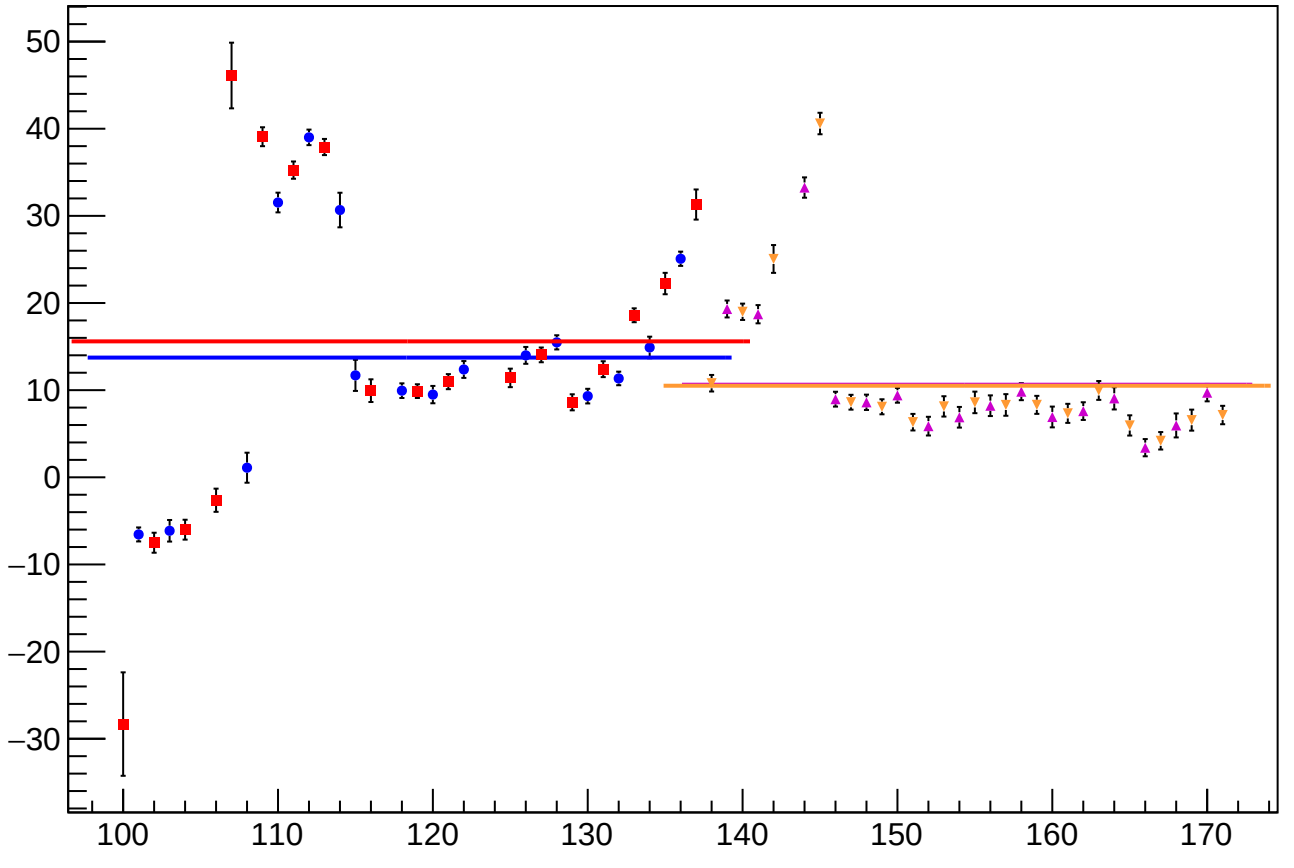
Left: 1.823+/-0.128 χ^2/NDF: 505.9/32

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.964+/-0.141 χ^2/NDF:602.5/31

Out: 3.228+/-0.139 χ^2/NDF:728.8/34

All: 3.097+/-0.099 χ^2/NDF: 1333.1/66



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: 10.625+/-0.259 χ^2/NDF:646.9/15

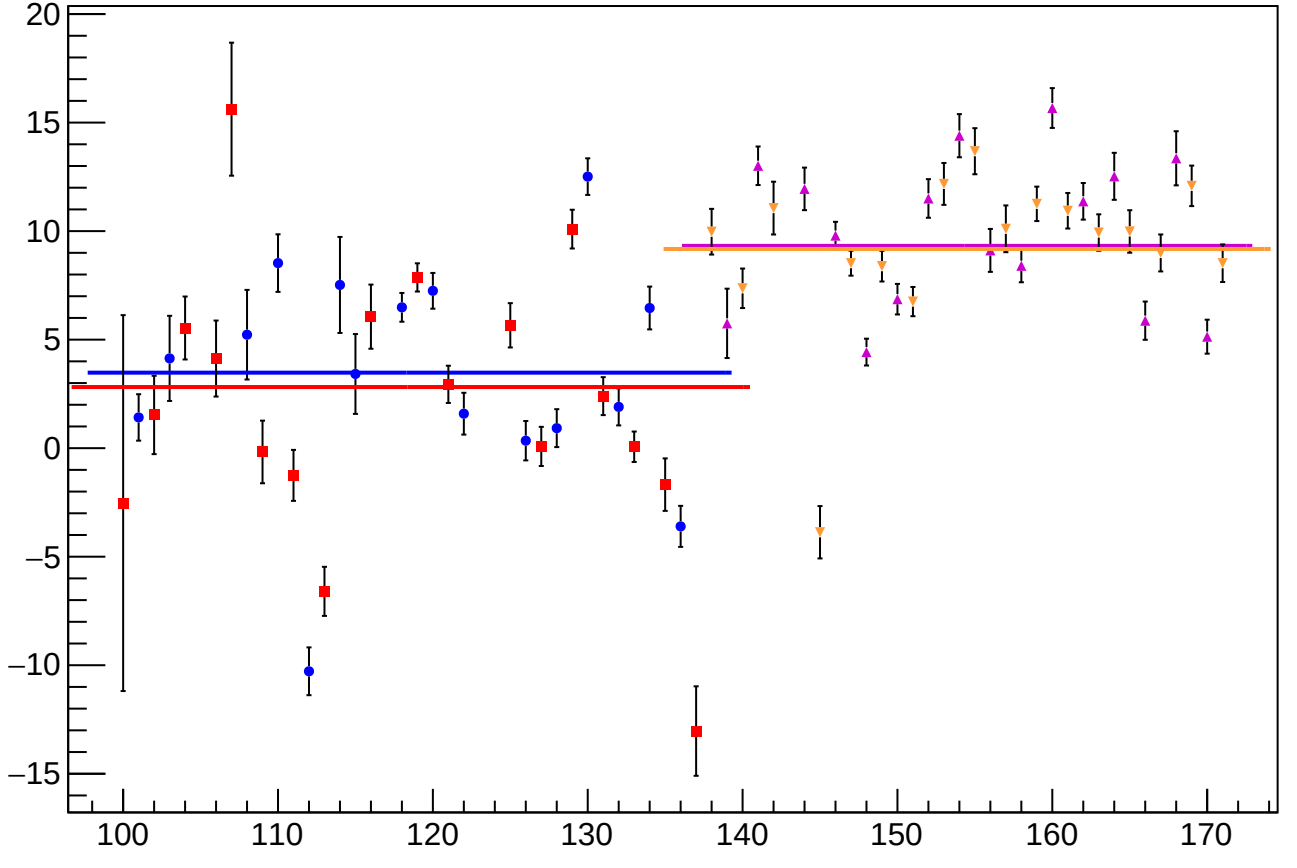
Left: 10.567+/-0.182 χ^2/NDF: 1539.2/32

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 12.255+/-0.179 χ^2/NDF:3072.6/31

Out: 13.125+/-0.179 χ^2/NDF:3919.9/34

All: 12.688+/-0.127 χ^2/NDF: 7004.3/66



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: 9.320+/-0.214 χ^2/NDF:255.6/15

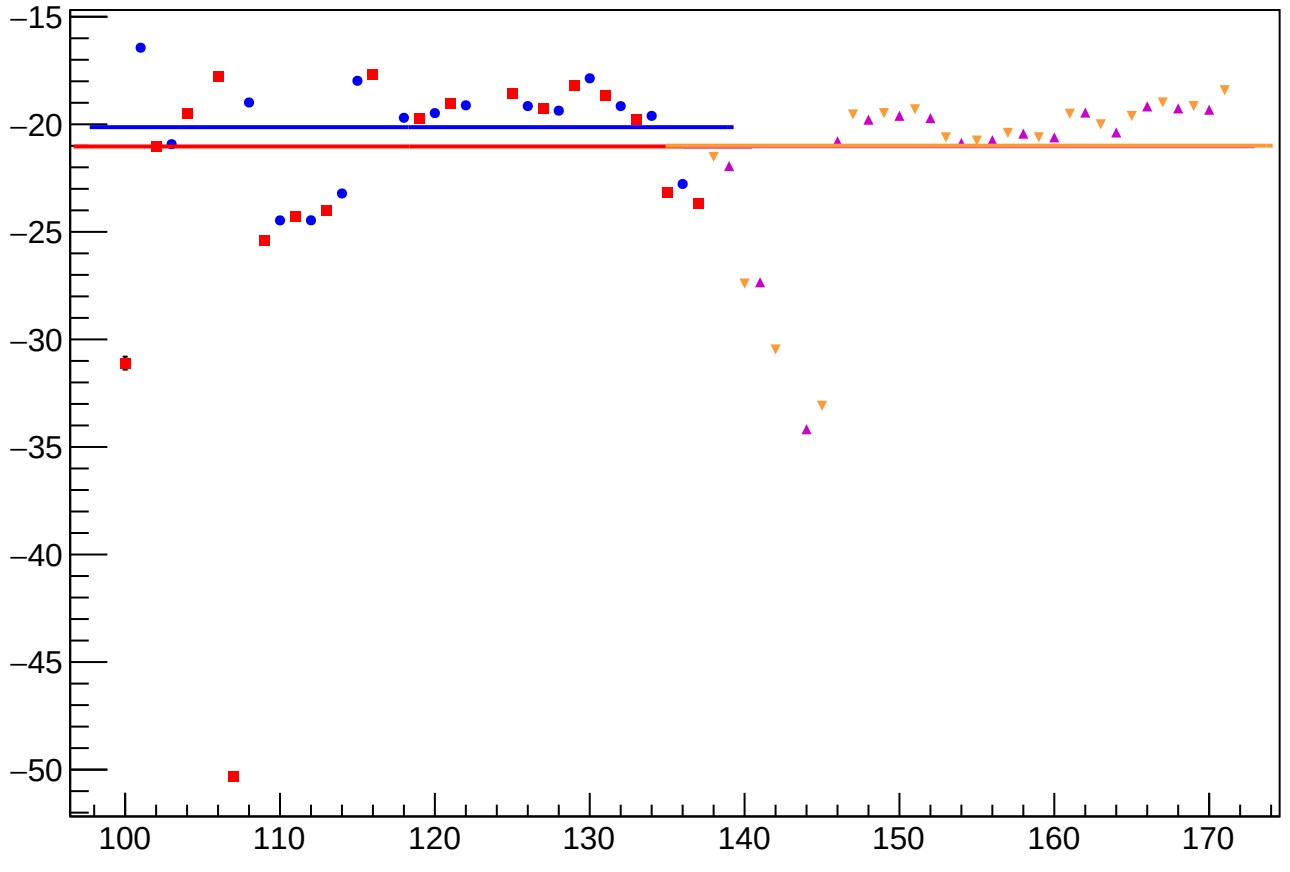
Left: 9.247+/-0.149 χ^2/NDF: 447.0/32

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.893+/-0.164 χ^2/NDF:993.1/31

Out: 6.651+/-0.162 χ^2/NDF:905.0/34

All: 6.771+/-0.115 χ^2/NDF: 1899.2/66



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: -21.018+/-0.010 χ^2/NDF:97875.8/15

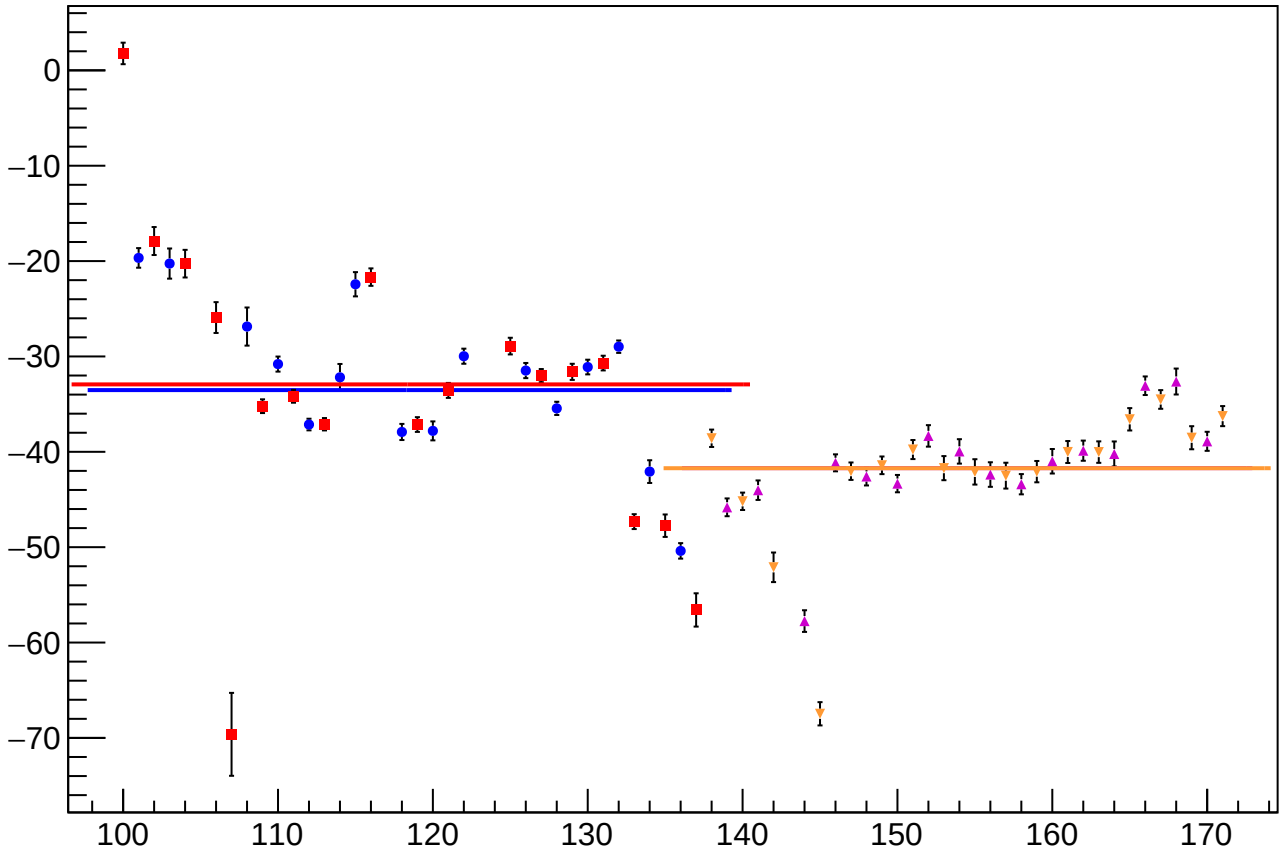
Left: -21.005+/-0.007 χ^2/NDF: 223458.0/32

Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.780+/-0.008 χ^2/NDF:119939.5/31

Out: -21.003+/-0.008 χ^2/NDF:183106.3/34

All: -20.891+/-0.006 χ^2/NDF: 303403.2/66


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
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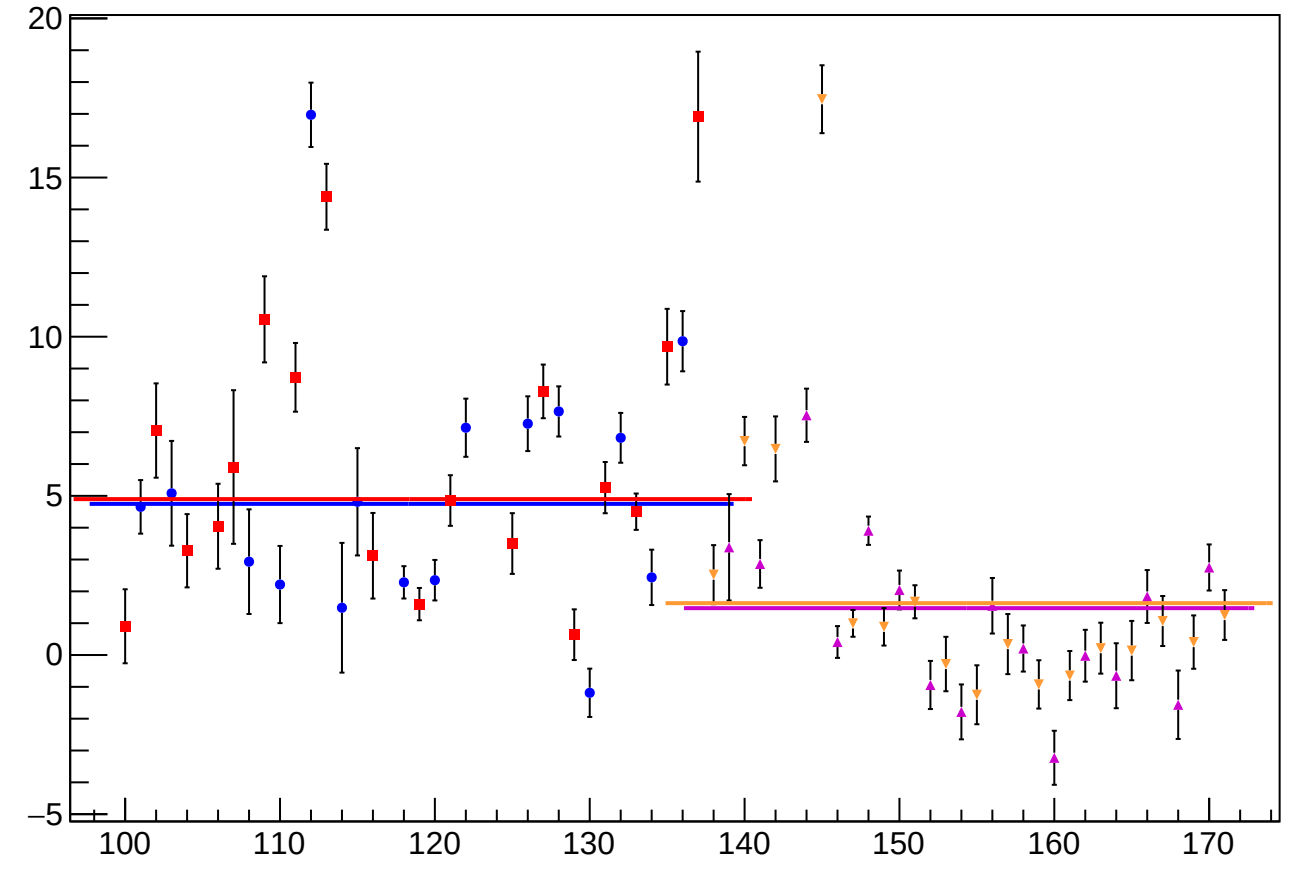
170
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -41.719+/-0.264 χ²/NDF:633.0/16
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -41.711+/-0.267 χ²/NDF:377.9/15
Left: -41.715+/-0.188 χ²/NDF: 1010.9/32
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.811+/-0.169 χ²/NDF:1949.6/31
Out: -36.361+/-0.165 χ²/NDF:3476.3/34
All: -36.581+/-0.118 χ²/NDF: 5429.5/66



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: 1.472+/-0.183 χ^2/NDF:169.8/15

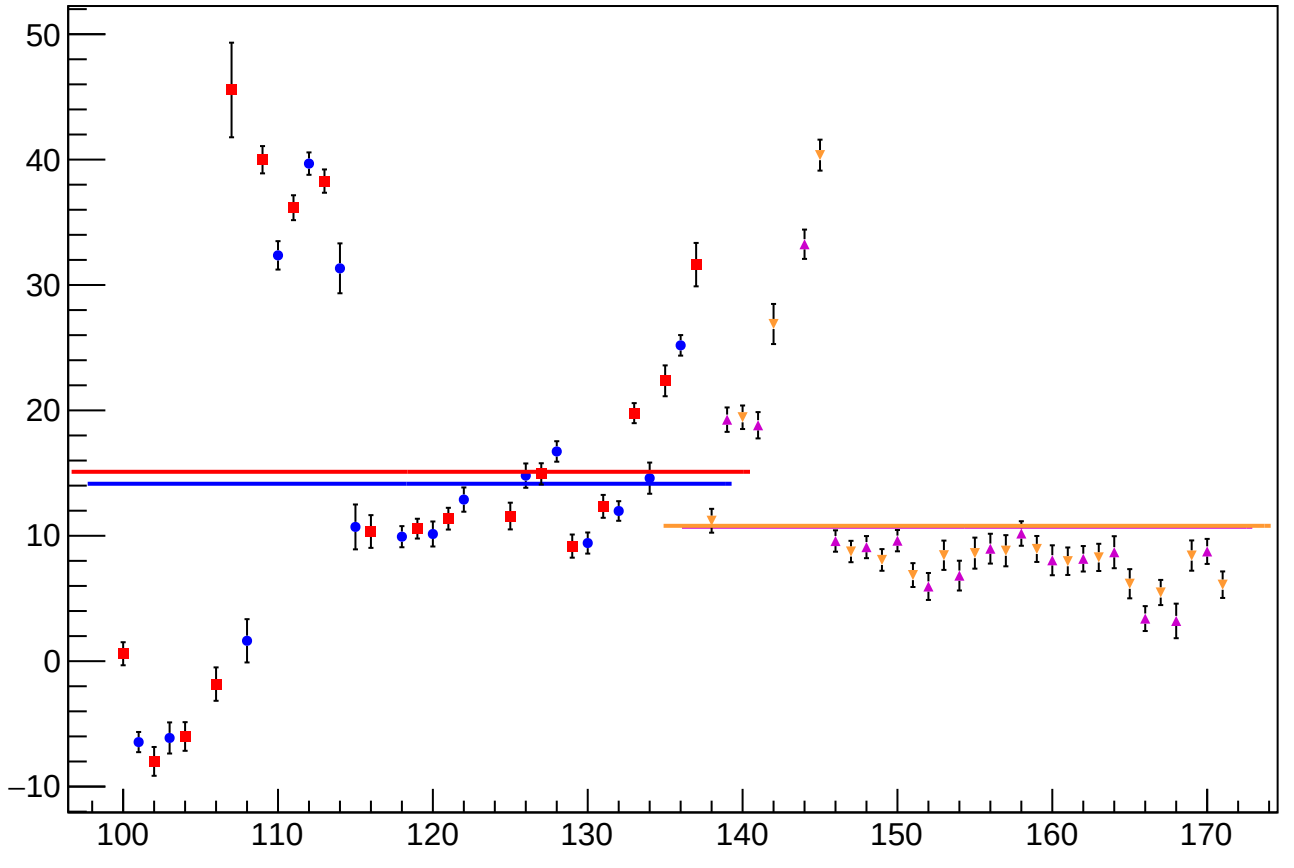
Left: 1.553+/-0.128 χ^2/NDF: 507.8/32

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.818+/-0.141 χ^2/NDF:626.5/31

Out: 2.926+/-0.139 χ^2/NDF:744.0/34

All: 2.873+/-0.099 χ^2/NDF: 1370.8/66


reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
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120
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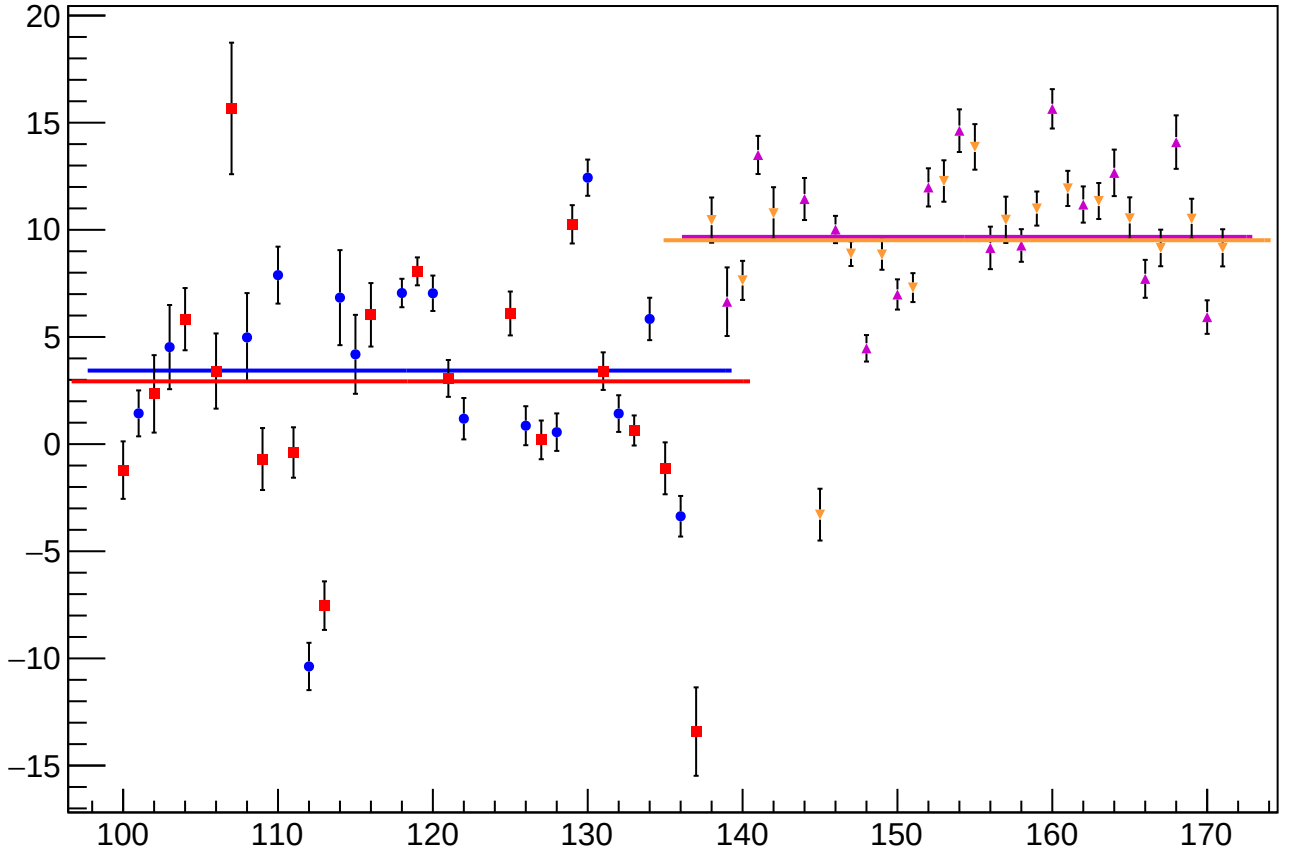
140
150
160
170
Right In: 14.149+/-0.247 χ²/NDF: 2402.4/15
Left Out: 10.795+/-0.258 χ²/NDF:884.5/16
Right Out: 15.103+/-0.242 χ²/NDF: 3102.3/17
Left In: 10.723+/-0.259 χ²/NDF:649.6/15
Left: 10.759+/-0.183 χ²/NDF: 1534.1/32
Right: 14.636+/-0.173 χ²/NDF: 5512.3/33
In: 12.516+/-0.179 χ²/NDF:3143.4/31
Out: 13.084+/-0.176 χ²/NDF:4135.4/34
All: 12.804+/-0.126 χ²/NDF: 7283.9/66



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: 9.671+/-0.214 χ^2/NDF:236.2/15

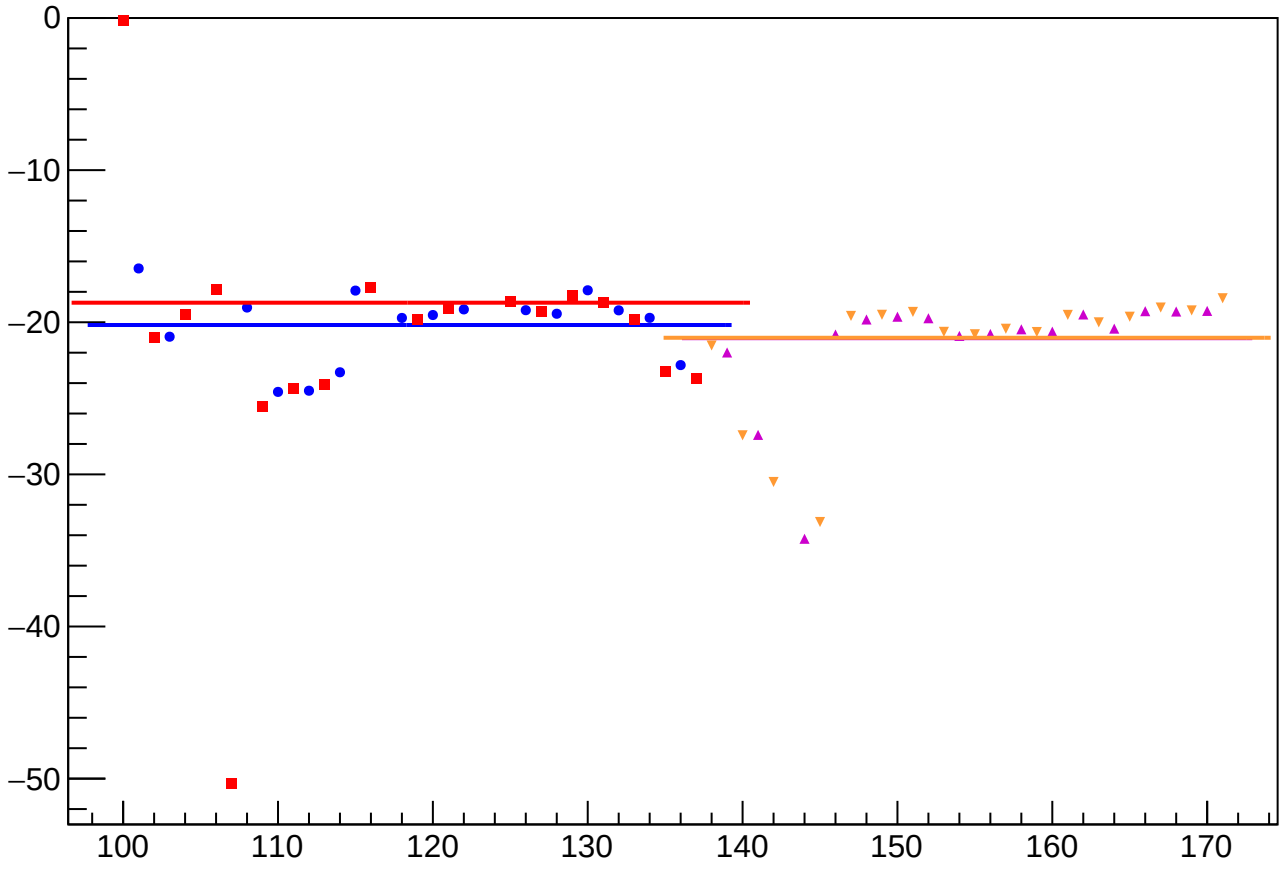
Left: 9.591+/-0.150 χ^2/NDF: 412.7/32

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.080+/-0.164 χ^2/NDF:1012.4/31

Out: 6.843+/-0.161 χ^2/NDF:945.7/34

All: 6.960+/-0.115 χ^2/NDF: 1959.1/66



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: -21.048+/-0.010 χ^2/NDF:98151.1/15

Left: -21.033+/-0.007 χ^2/NDF: 223441.0/32

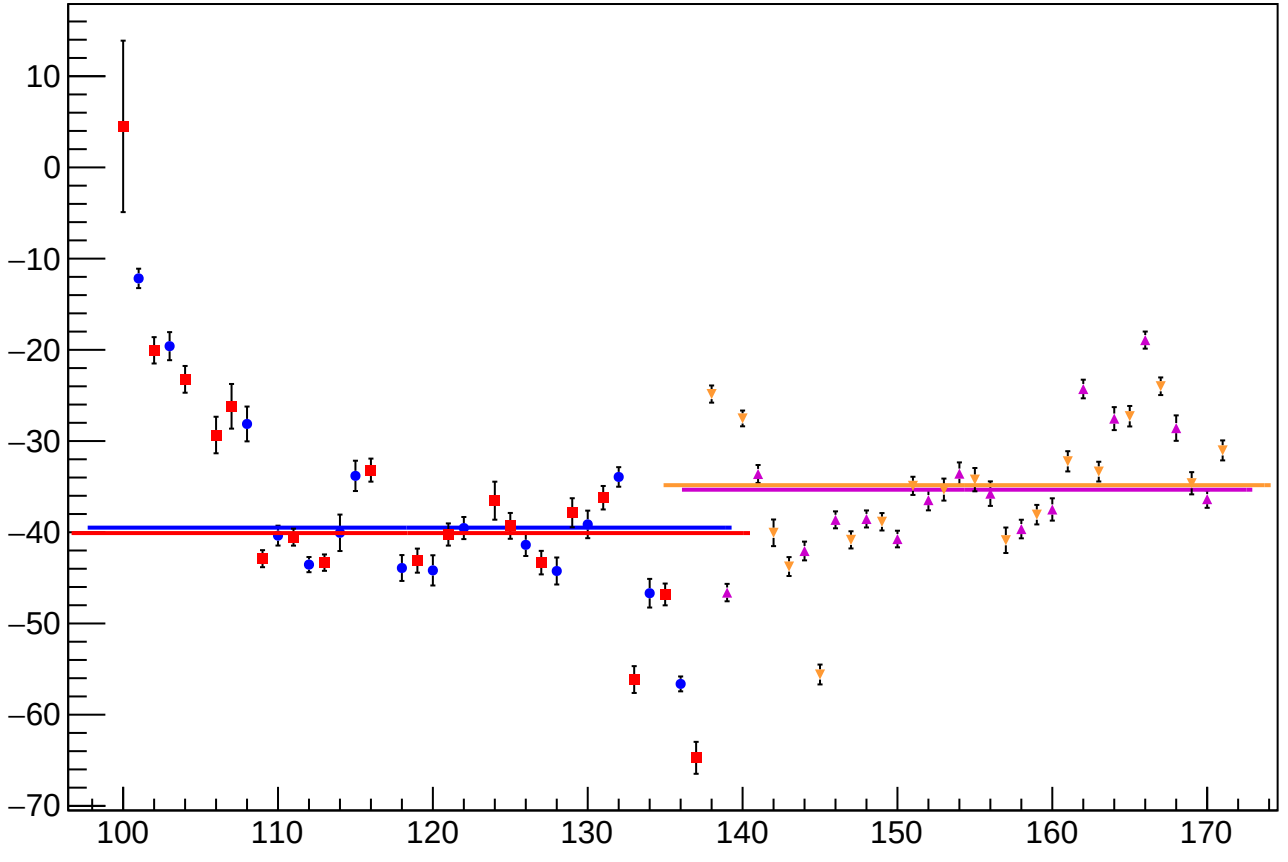
Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.814+/-0.008 χ^2/NDF:120141.5/31

Out: -20.374+/-0.008 χ^2/NDF:375750.3/34

All: -20.592+/-0.006 χ^2/NDF: 497302.9/66

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -34.837+/-0.253 χ^2/NDF:911.9/17

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -35.335+/-0.262 χ^2/NDF:755.3/15

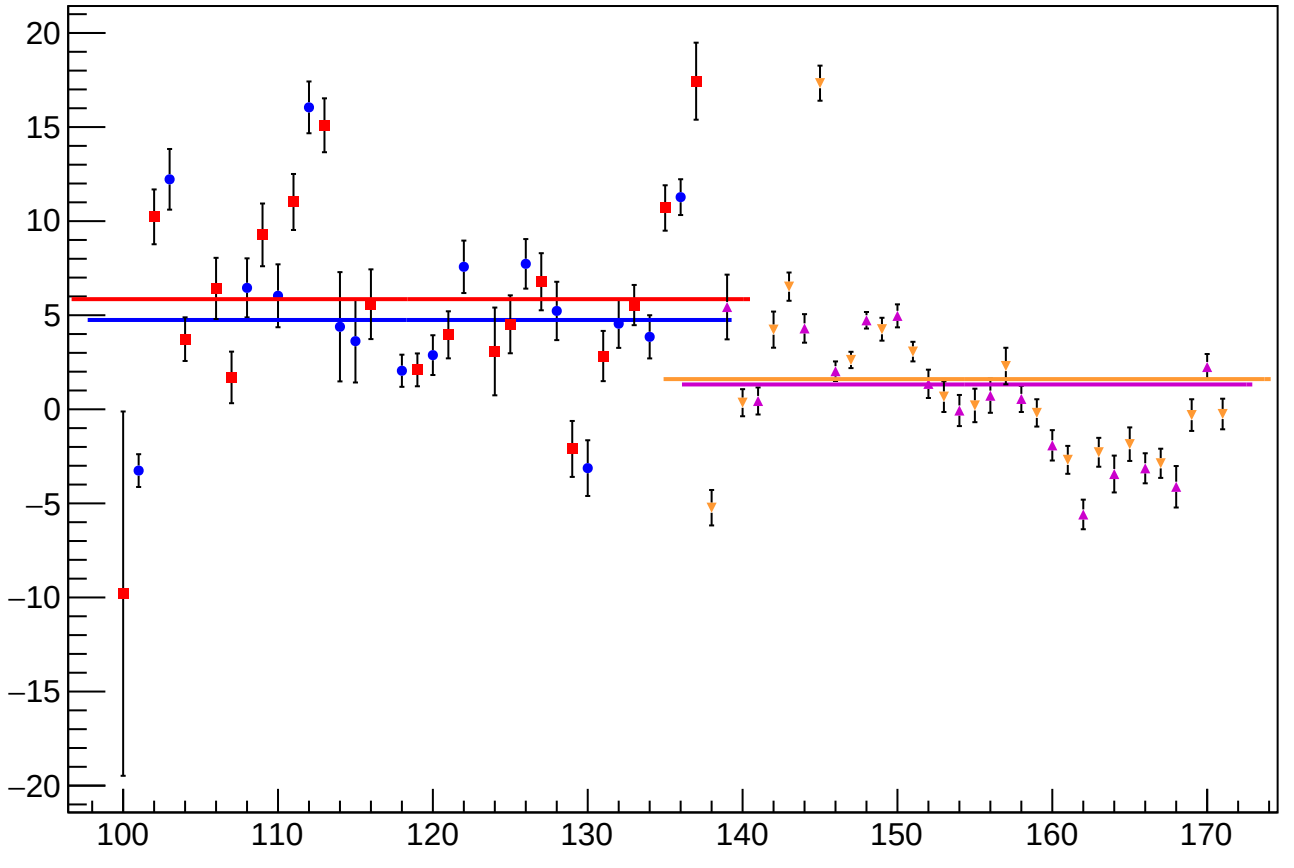
Left: -35.077+/-0.182 χ^2/NDF: 1669.1/33

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -37.063+/-0.200 χ^2/NDF:2277.1/31

Out: -36.957+/-0.195 χ^2/NDF:1921.3/36

All: -37.009+/-0.140 χ^2/NDF: 4198.5/68



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: 1.320+/-0.180 χ^2/NDF:298.8/15

Left: 1.470+/-0.124 χ^2/NDF: 851.3/33

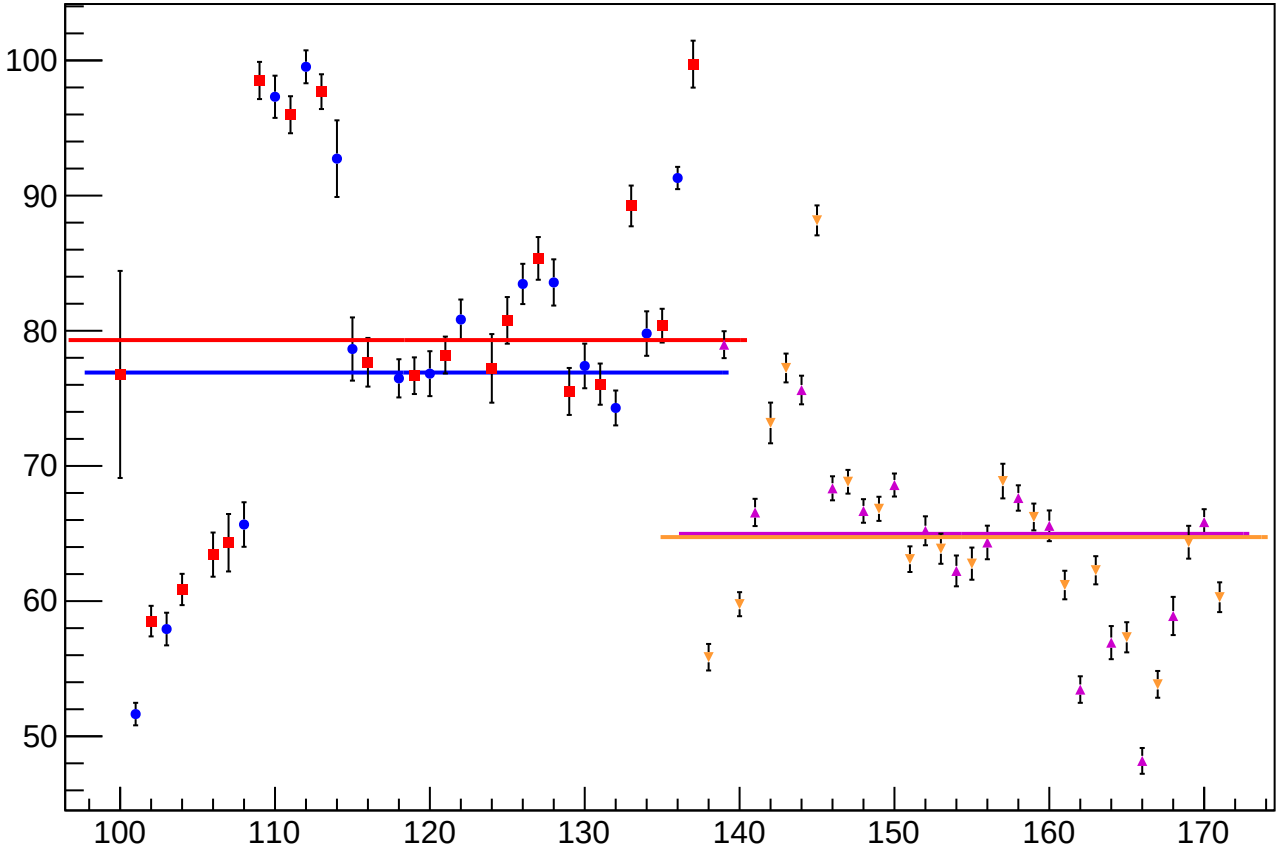
Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.163+/-0.157 χ^2/NDF:661.4/31

Out: 2.538+/-0.152 χ^2/NDF:873.2/36

All: 2.356+/-0.109 χ^2/NDF: 1537.5/68

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 64.974+/-0.255 χ^2/NDF:860.9/15

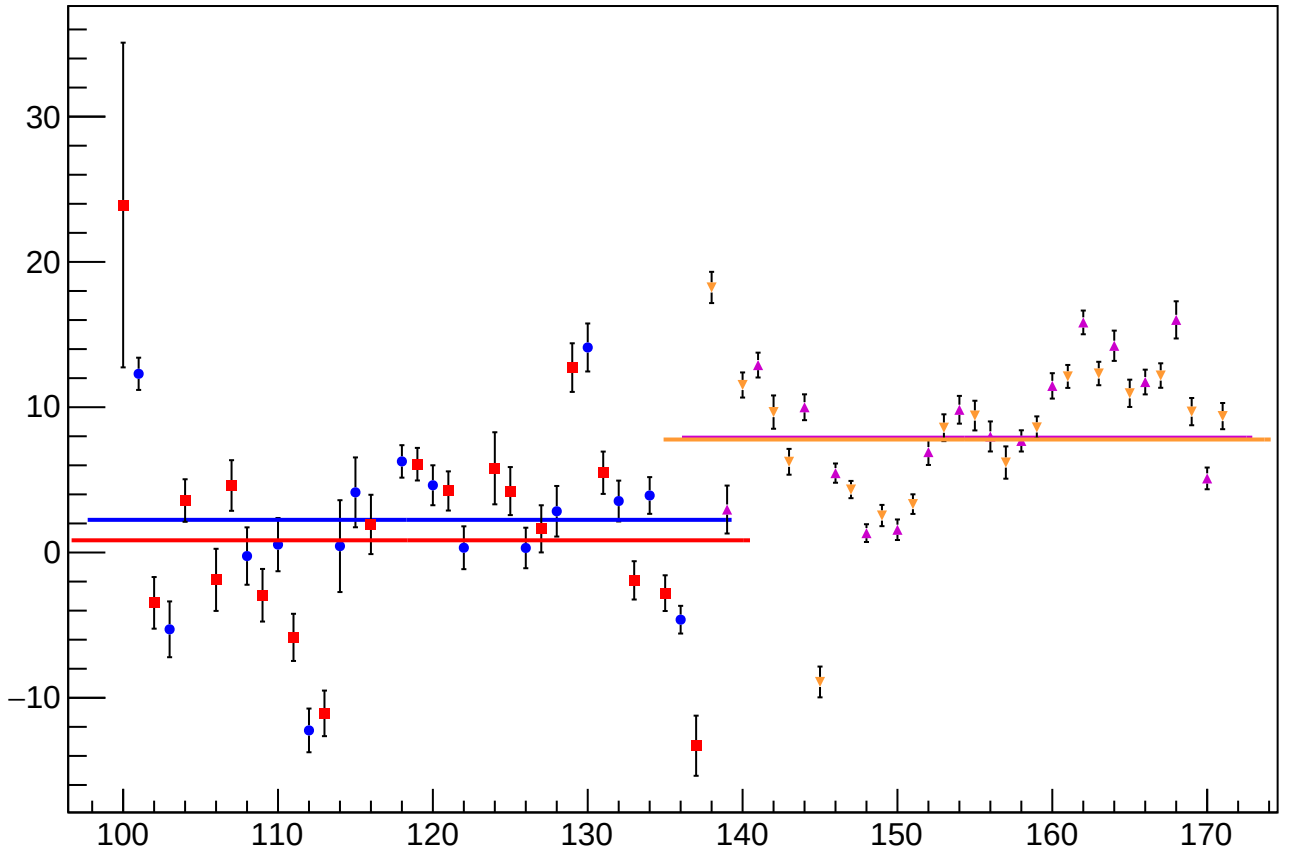
Left: 64.852+/-0.177 χ^2/NDF: 1835.3/33

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

In: 69.311+/-0.203 χ^2/NDF:3776.0/31

Out: 69.623+/-0.201 χ^2/NDF:3637.2/36

All: 69.468+/-0.143 χ^2/NDF: 7414.4/68


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
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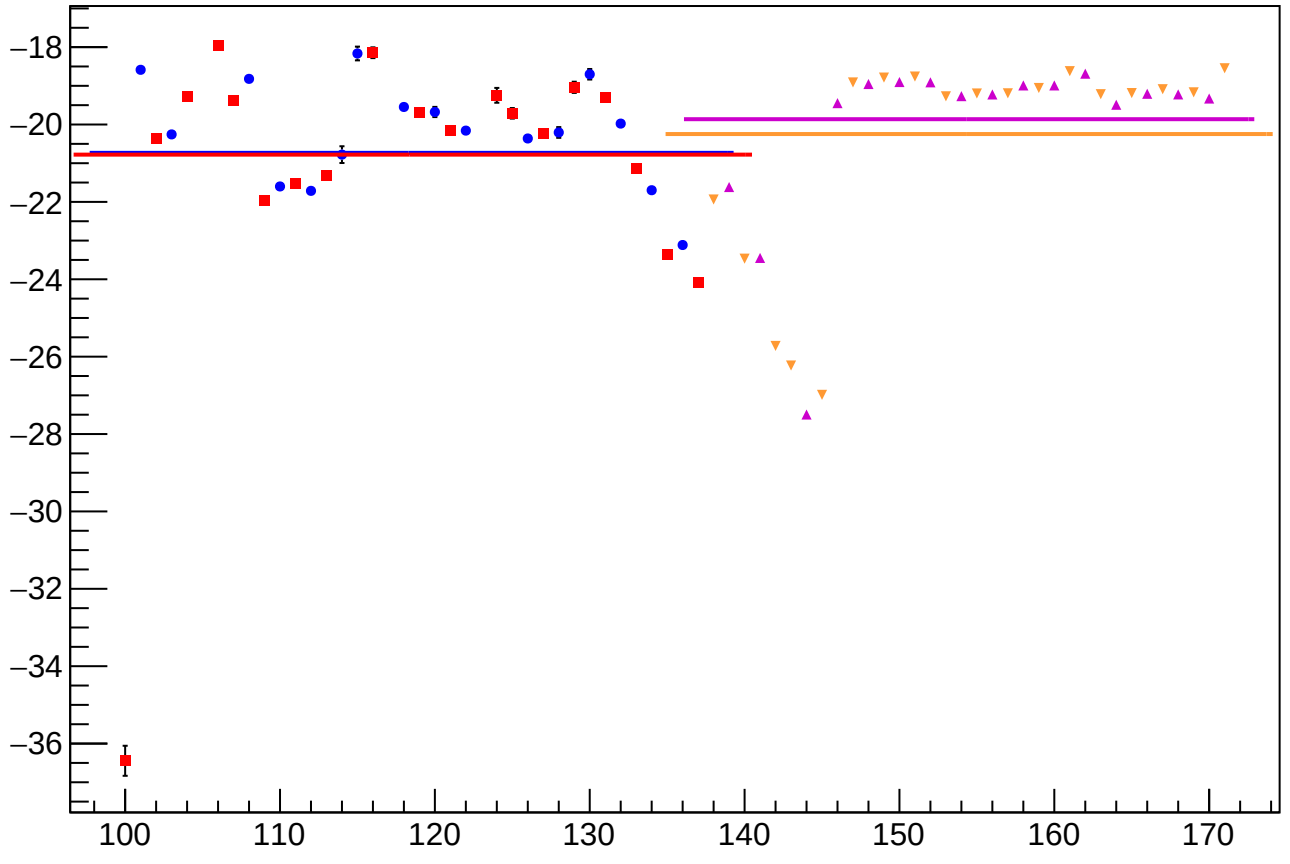
170
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 7.777+/-0.201 χ²/NDF:610.2/17
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 7.905+/-0.210 χ²/NDF:485.6/15
Left: 7.838+/-0.145 χ²/NDF: 1096.0/33
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 6.485+/-0.182 χ²/NDF:987.0/31
Out: 6.210+/-0.177 χ²/NDF:1135.5/36
All: 6.343+/-0.127 χ²/NDF: 2123.7/68



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: -19.863+/-0.010 χ^2/NDF:41575.3/15

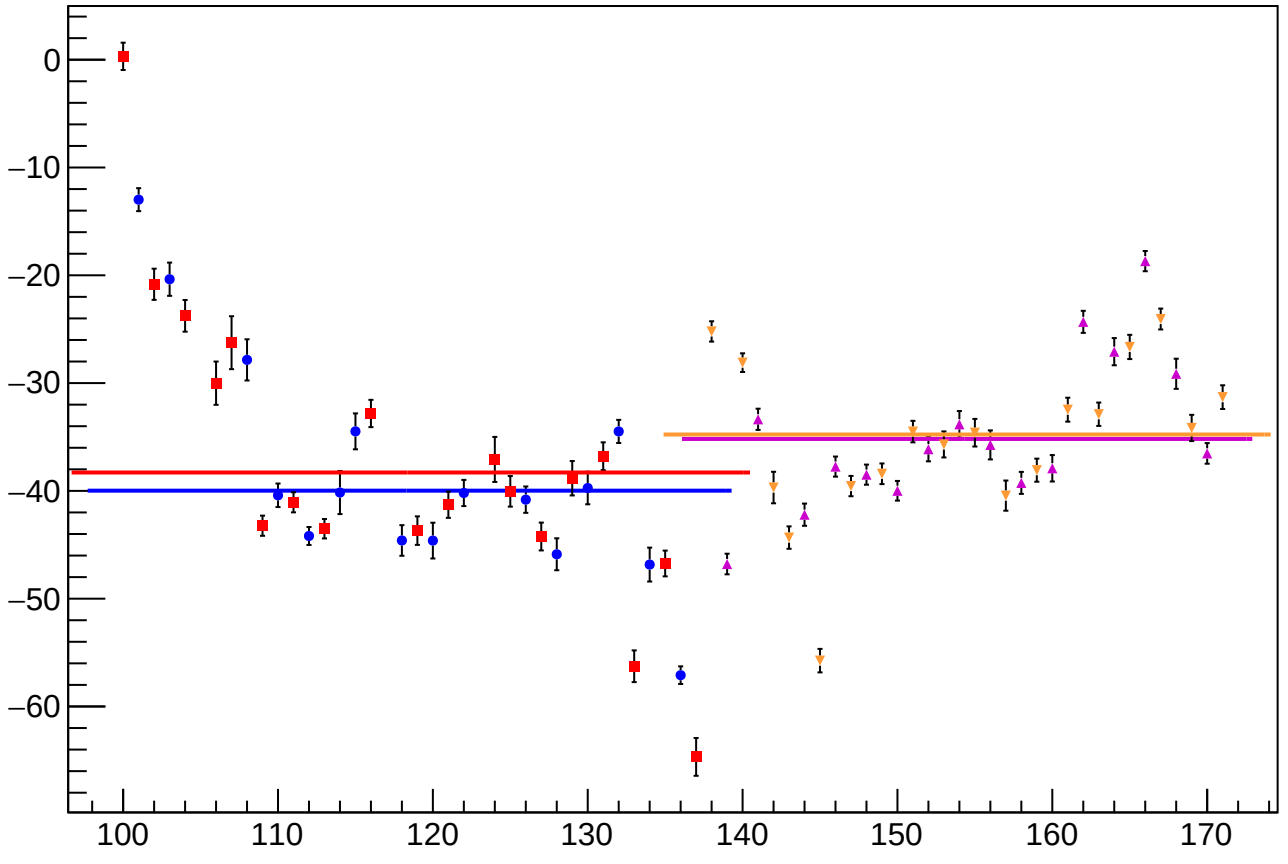
Left: -20.059+/-0.007 χ^2/NDF: 115124.3/33

Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -20.033+/-0.009 χ^2/NDF:50823.3/31

Out: -20.340+/-0.008 χ^2/NDF:82725.2/36

All: -20.188+/-0.006 χ^2/NDF: 134197.8/68


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
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−60
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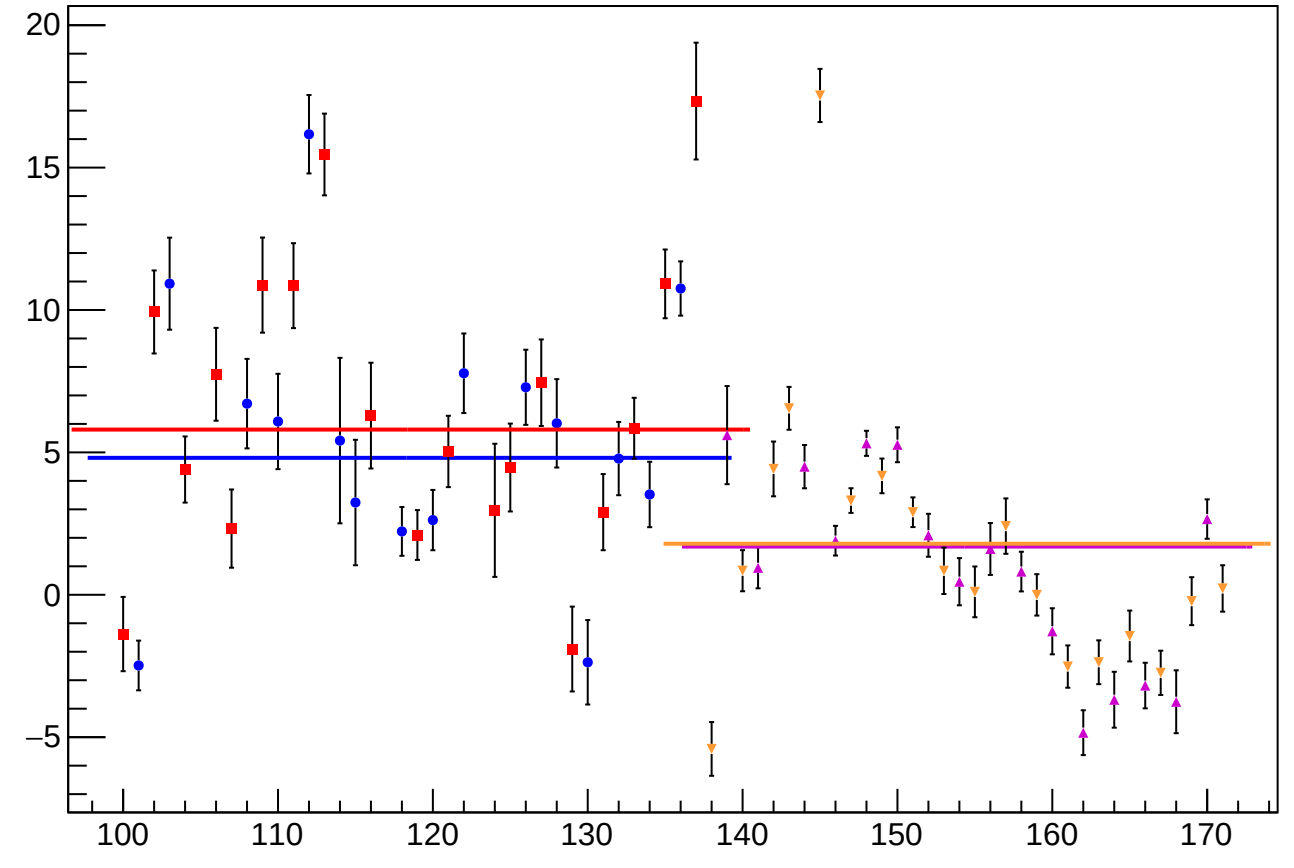
120
130
140
150
160
170
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -34.769+/-0.253 χ²/NDF:887.4/17
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -35.183+/-0.262 χ²/NDF:751.0/15
Left: -34.968+/-0.182 χ²/NDF: 1639.7/33
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -37.178+/-0.201 χ²/NDF:2288.2/31
Out: -36.240+/-0.193 χ²/NDF:2742.2/36
All: -36.691+/-0.139 χ²/NDF: 5041.7/68



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.793+/-0.172 χ^2/NDF:554.9/17

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 1.693+/-0.181 χ^2/NDF:301.8/15

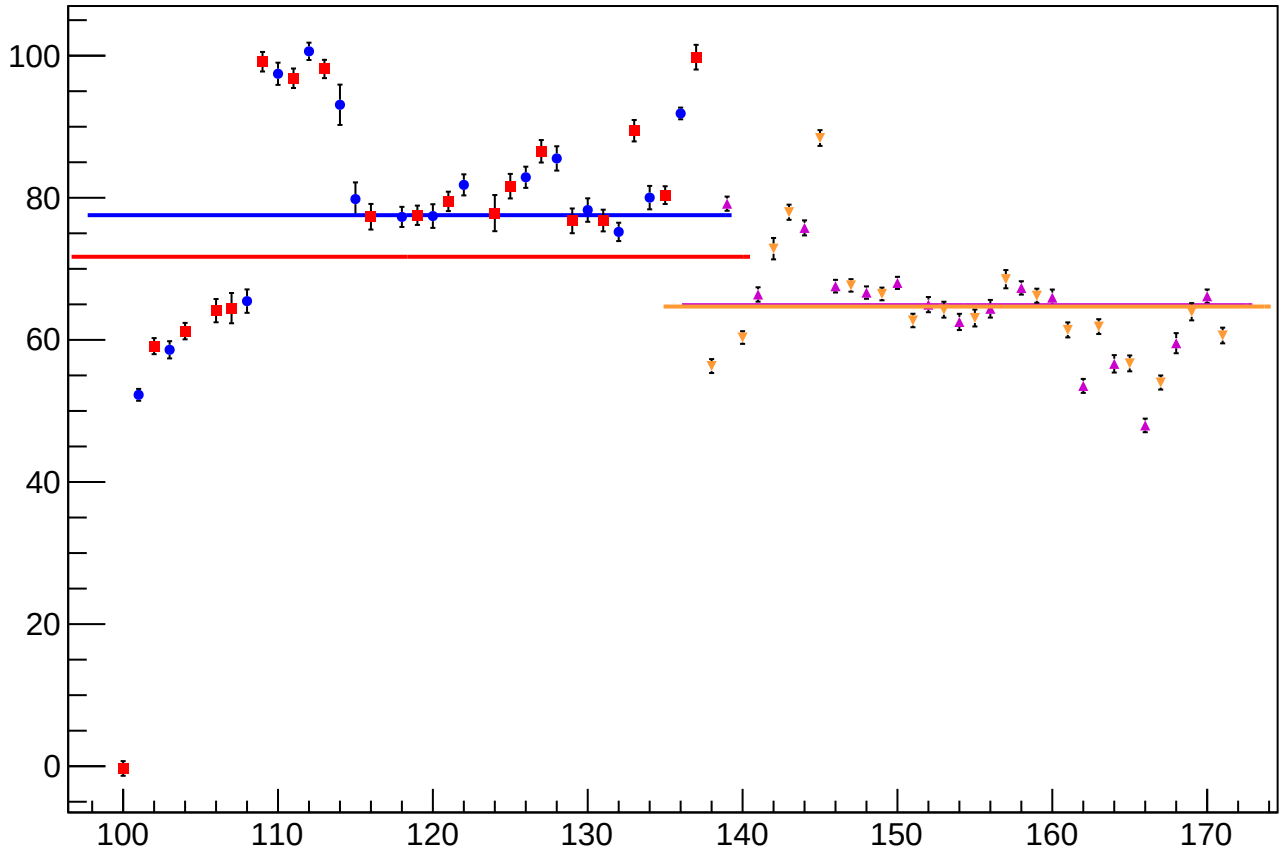
Left: 1.746+/-0.125 χ^2/NDF: 856.8/33

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 2.459+/-0.157 χ^2/NDF:615.4/31

Out: 2.714+/-0.151 χ^2/NDF:896.0/36

All: 2.592+/-0.109 χ^2/NDF: 1512.8/68



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: 64.887+/-0.255 χ^2/NDF:858.2/15

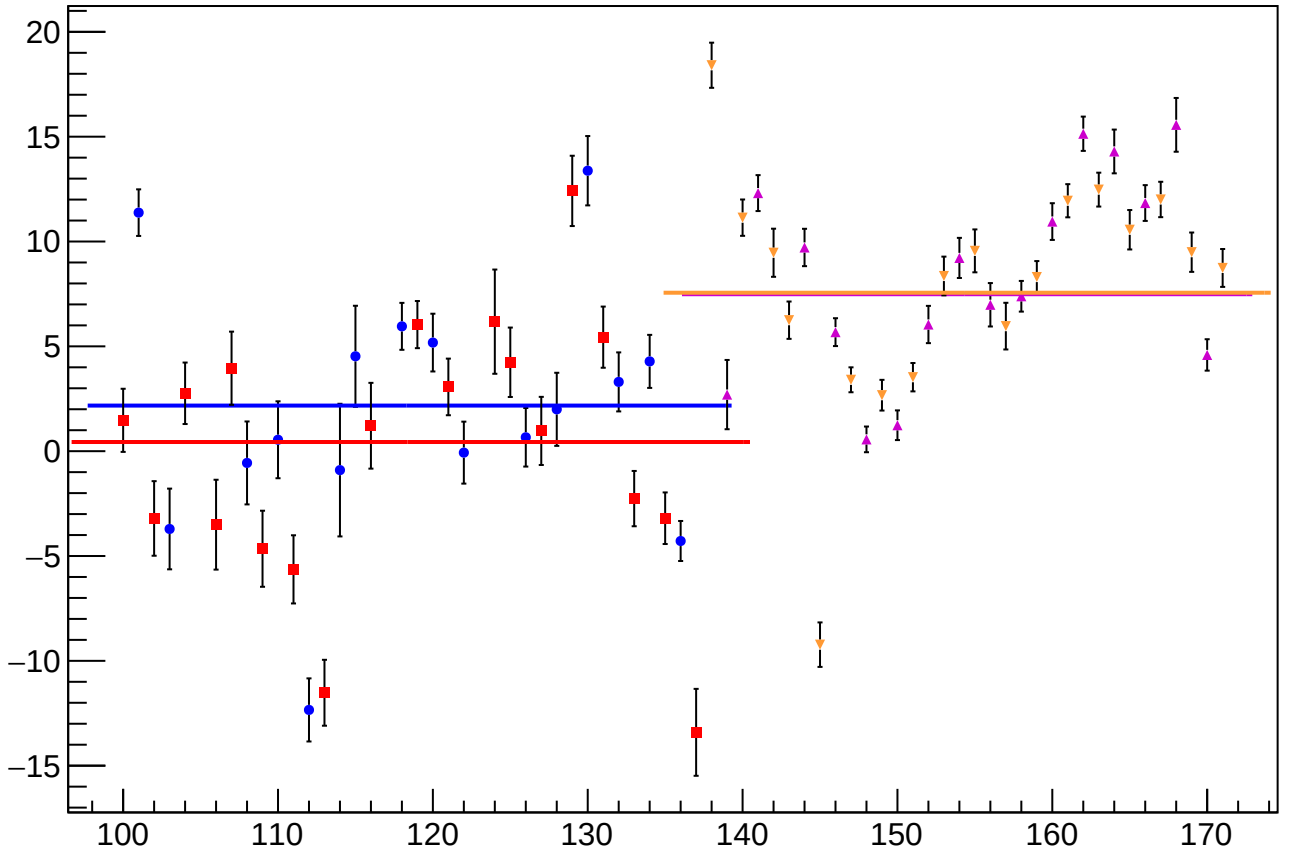
Left: 64.788+/-0.178 χ^2/NDF: 1826.9/33

Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 69.492+/-0.203 χ^2/NDF:3873.6/31

Out: 67.211+/-0.198 χ^2/NDF:8159.8/36

All: 68.321+/-0.142 χ^2/NDF: 12098.0/68


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
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−15
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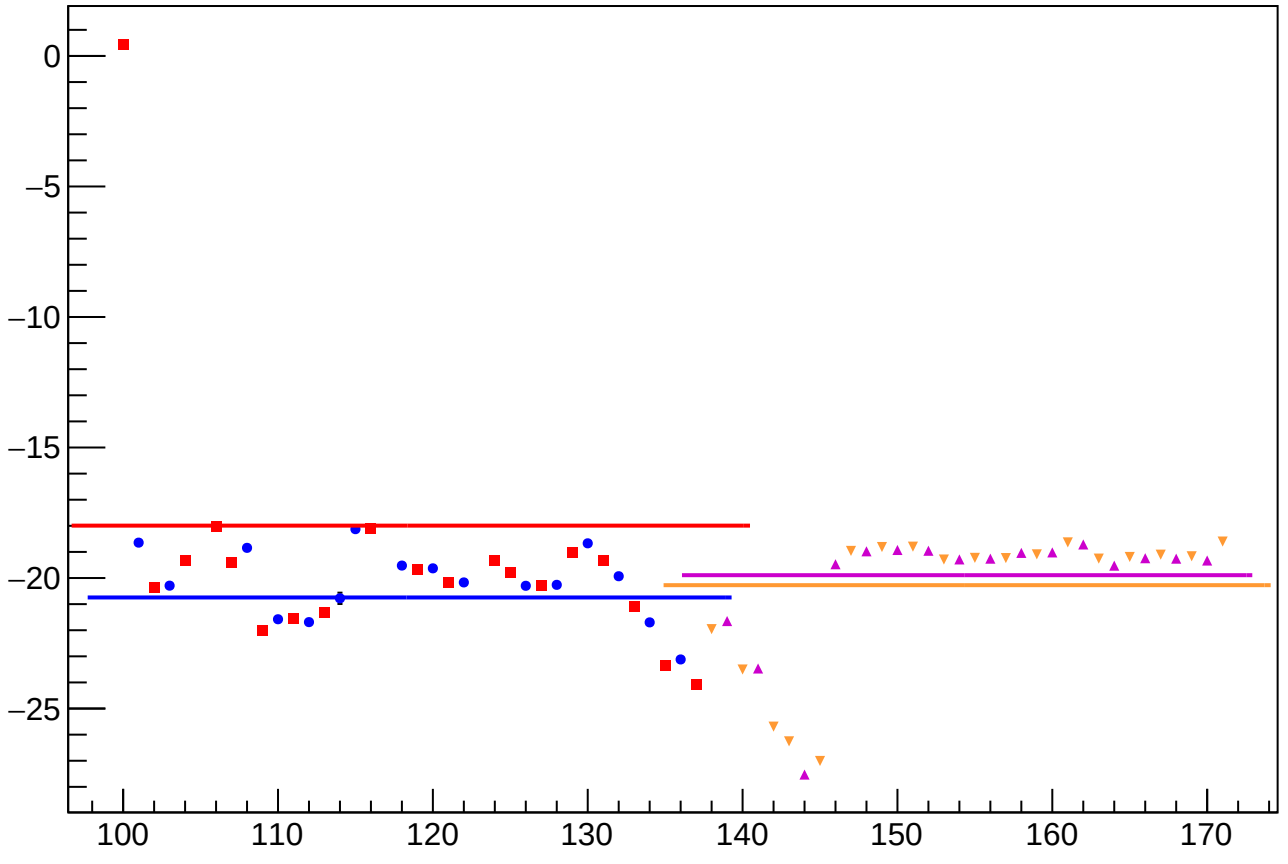
160
170
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.558+/-0.201 χ²/NDF:622.0/17
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.486+/-0.211 χ²/NDF:491.9/15
Left: 7.524+/-0.146 χ²/NDF: 1113.9/33
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.152+/-0.182 χ²/NDF:942.0/31
Out: 5.875+/-0.176 χ²/NDF:1171.7/36
All: 6.009+/-0.127 χ²/NDF: 2114.8/68



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.274+/-0.009 χ^2/NDF:72249.4/17

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -19.891+/-0.010 χ^2/NDF:41418.2/15

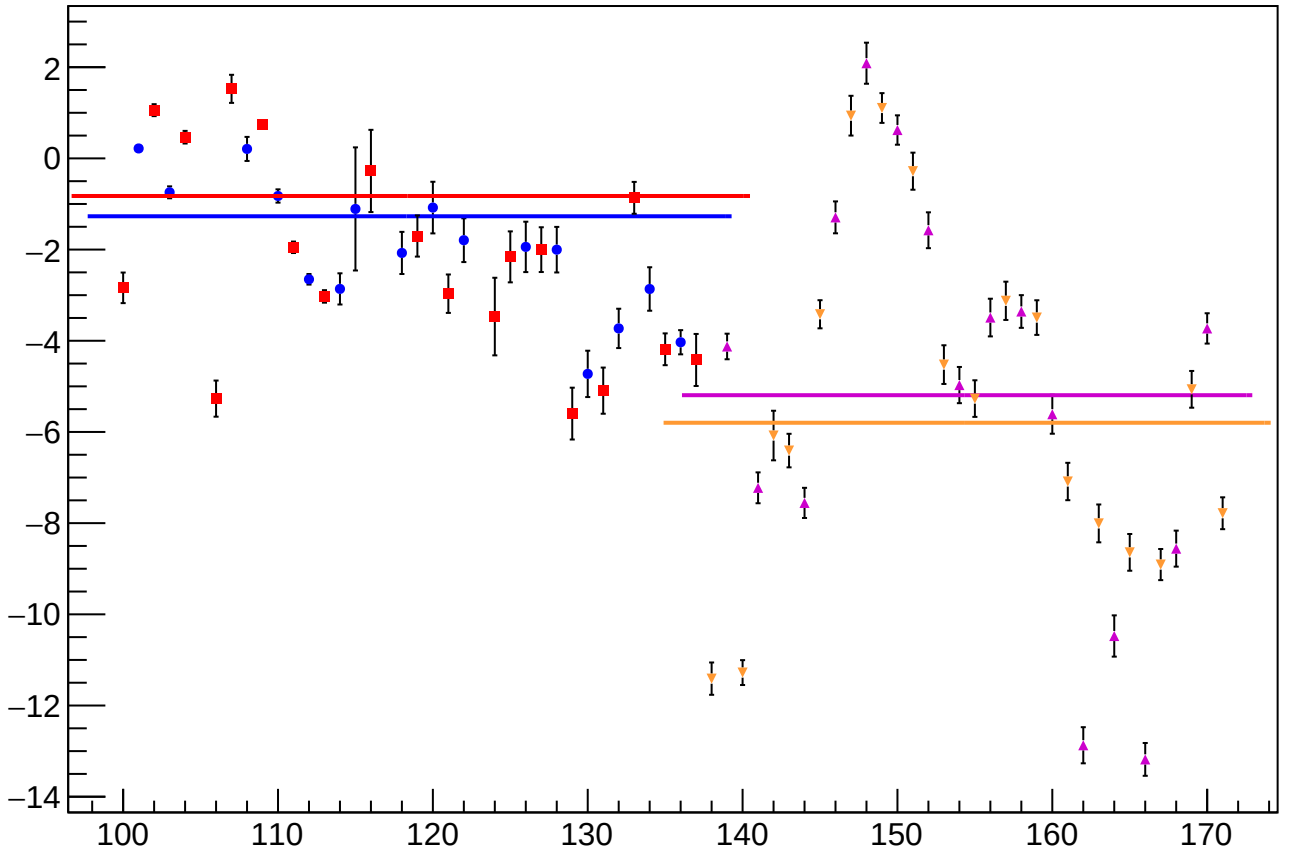
Left: -20.087+/-0.007 χ^2/NDF: 114482.0/33

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -20.058+/-0.009 χ^2/NDF:50480.1/31

Out: -19.823+/-0.008 χ^2/NDF:234541.9/36

All: -19.938+/-0.006 χ^2/NDF: 285404.1/68



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: -5.194+/-0.091 χ^2/NDF:2038.4/15

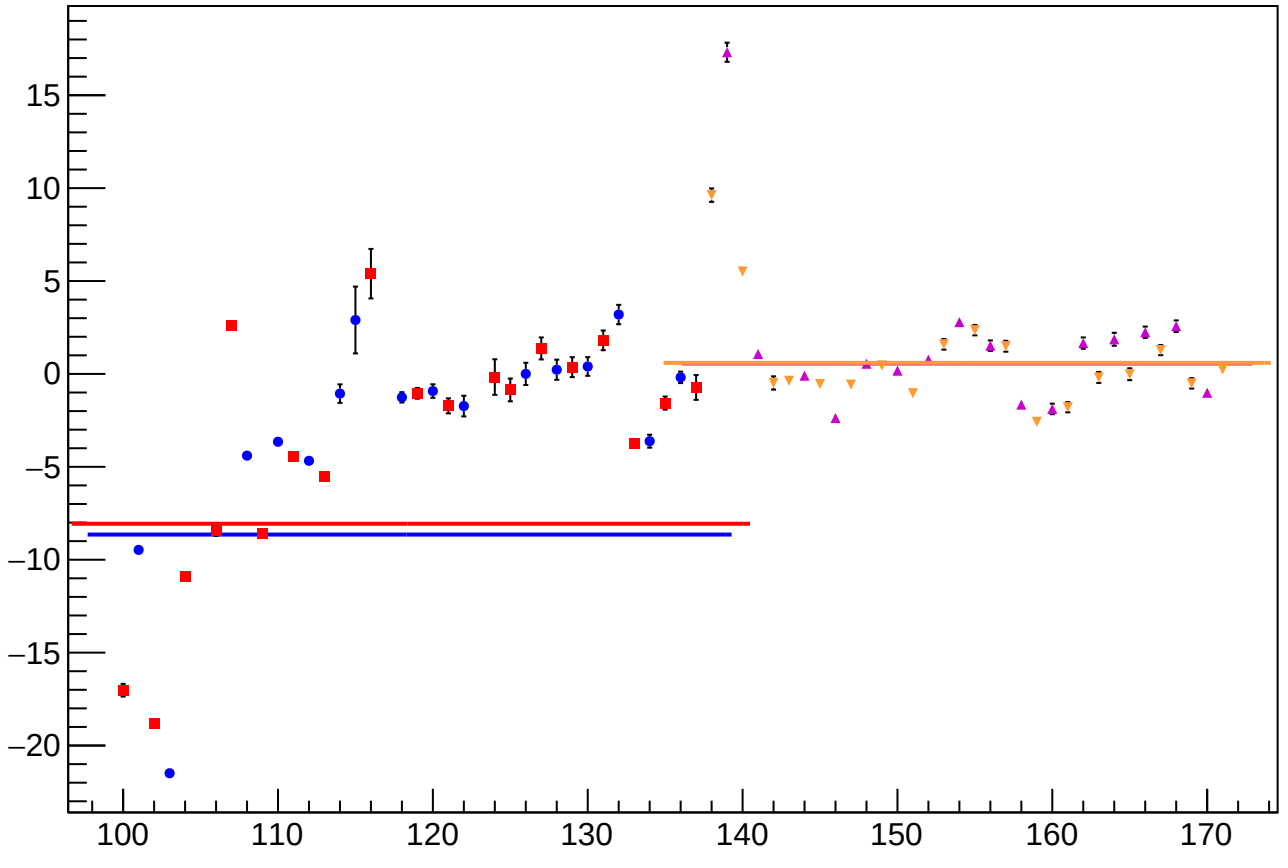
Left: -5.507+/-0.063 χ^2/NDF: 3942.8/33

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.299+/-0.047 χ^2/NDF:4013.8/31

Out: -2.073+/-0.044 χ^2/NDF:5648.5/36

All: -2.179+/-0.032 χ^2/NDF: 9674.7/68



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: 0.561+/-0.066 χ^2/NDF:1641.2/15

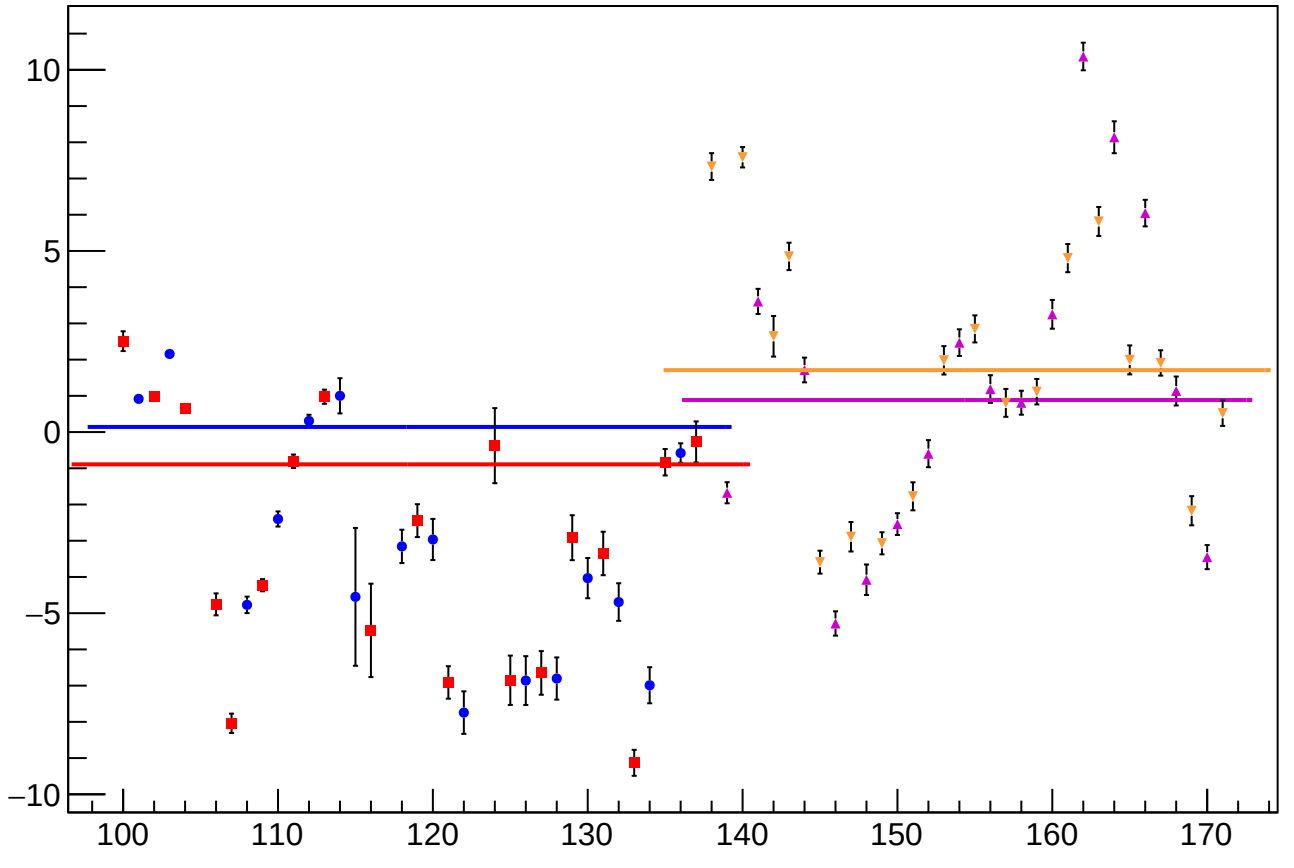
Left: 0.580+/-0.045 χ^2/NDF: 3164.7/33

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.732+/-0.043 χ^2/NDF:26582.1/31

Out: -4.090+/-0.042 χ^2/NDF:26356.8/36

All: -4.404+/-0.030 χ^2/NDF: 53051.7/68



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: 0.886+/-0.089 χ^2/NDF:2078.3/15

Left: 1.310+/-0.062 χ^2/NDF: 3890.4/33

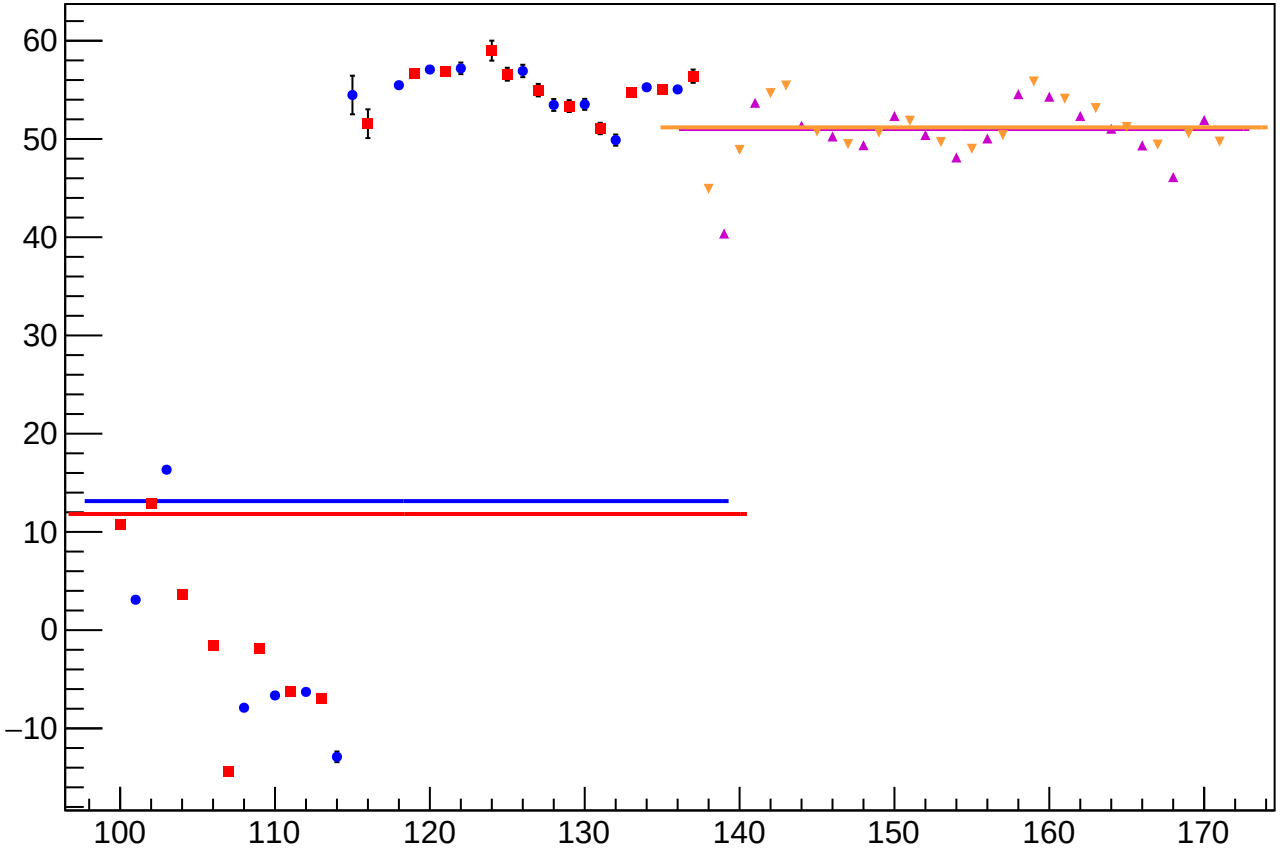
Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.335+/-0.046 χ^2/NDF:4089.6/31

Out: -0.169+/-0.046 χ^2/NDF:5406.8/36

All: 0.083+/-0.032 χ^2/NDF: 9557.8/68

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 51.015+/-0.076 χ^2/NDF:1257.1/15

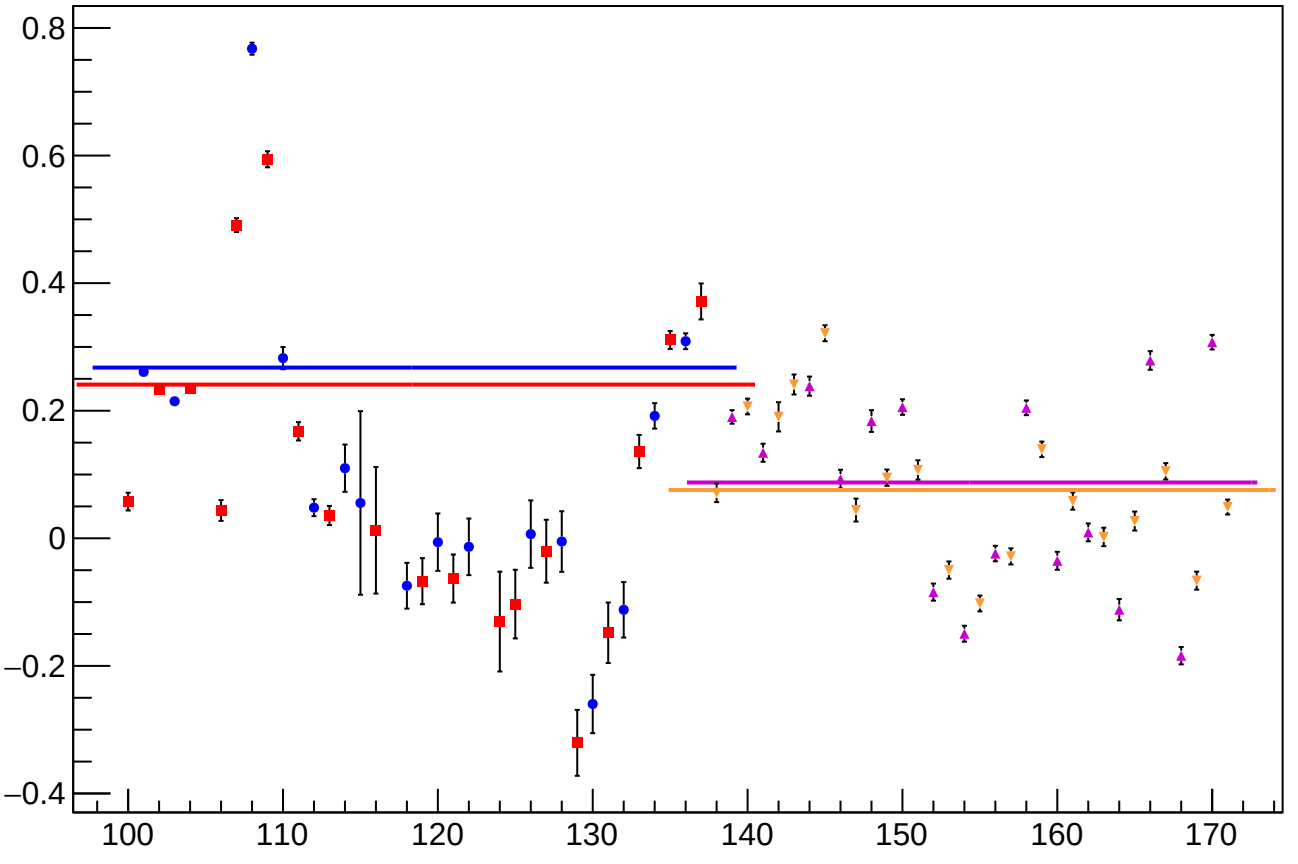
Left: 51.102+/-0.052 χ^2/NDF: 2432.4/33

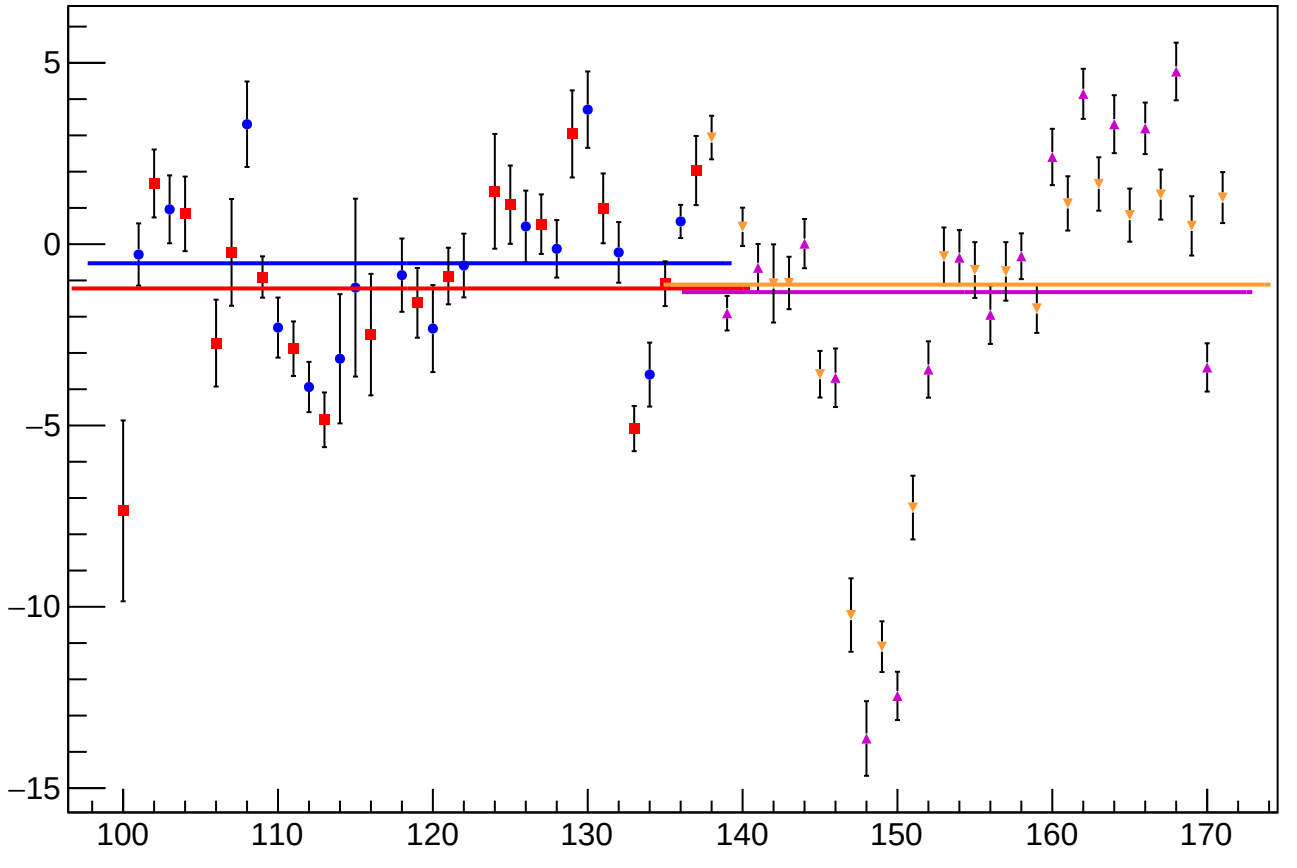
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 30.038+/-0.051 χ^2/NDF:248522.0/31

Out: 30.348+/-0.049 χ^2/NDF:277732.2/36

All: 30.197+/-0.035 χ^2/NDF: 526273.4/68


reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.268+/-0.003 χ²/NDF: 3720.4/15
Left Out: 0.076+/-0.003 χ²/NDF:1182.7/17
Right Out: 0.241+/-0.003 χ²/NDF: 2339.2/18
Left In: 0.088+/-0.003 χ²/NDF:2232.1/15
Left: 0.081+/-0.002 χ²/NDF: 3421.3/33
Right: 0.254+/-0.002 χ²/NDF: 6105.9/34
In: 0.193+/-0.002 χ²/NDF:7678.5/31
Out: 0.172+/-0.002 χ²/NDF:5037.4/36
All: 0.182+/-0.001 χ²/NDF: 12765.6/68



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: -1.322+/-0.176 χ^2/NDF:677.7/15

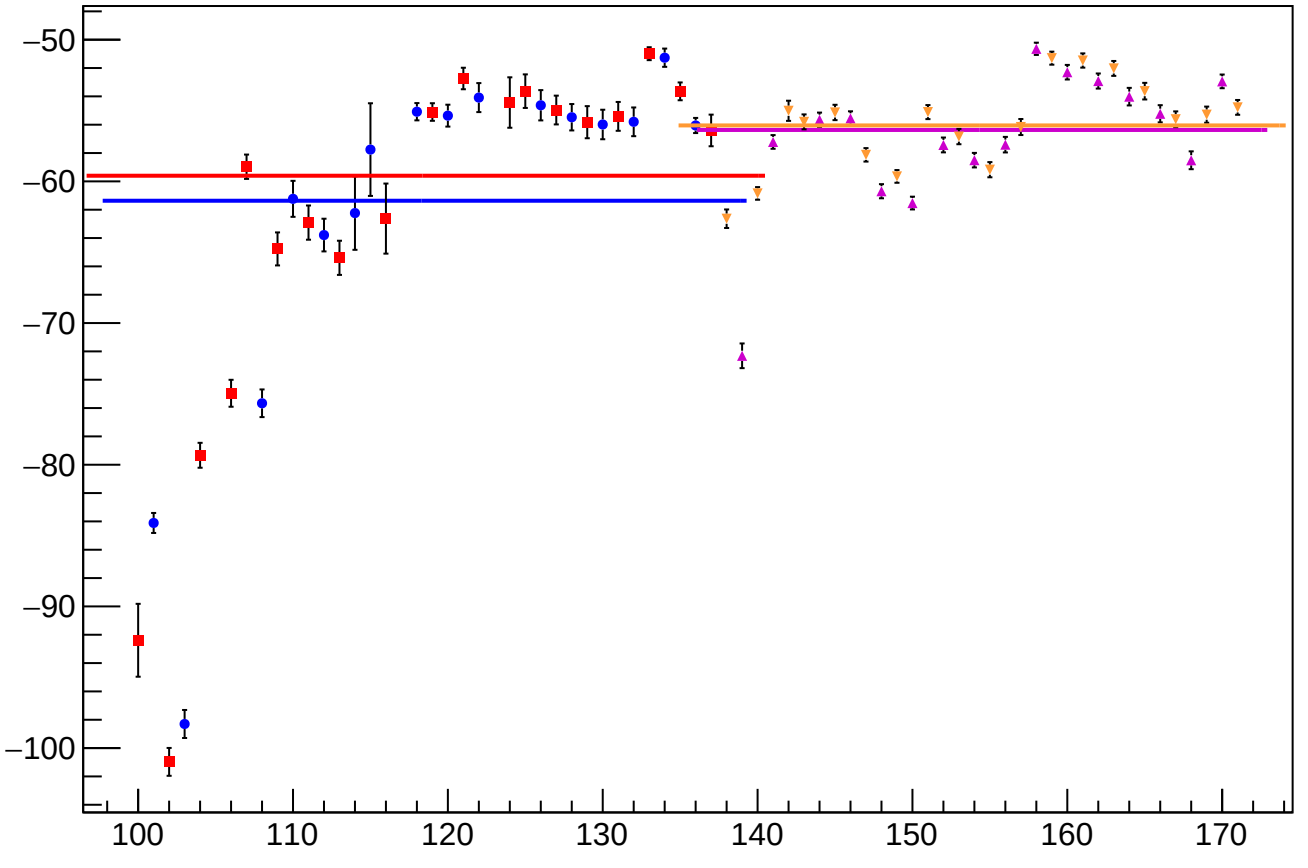
Left: -1.216+/-0.123 χ^2/NDF: 1142.9/33

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -1.006+/-0.137 χ^2/NDF:768.5/31

Out: -1.158+/-0.131 χ^2/NDF:595.6/36

All: -1.085+/-0.095 χ^2/NDF: 1364.7/68



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: -56.372+/-0.131 χ^2/NDF:933.2/15

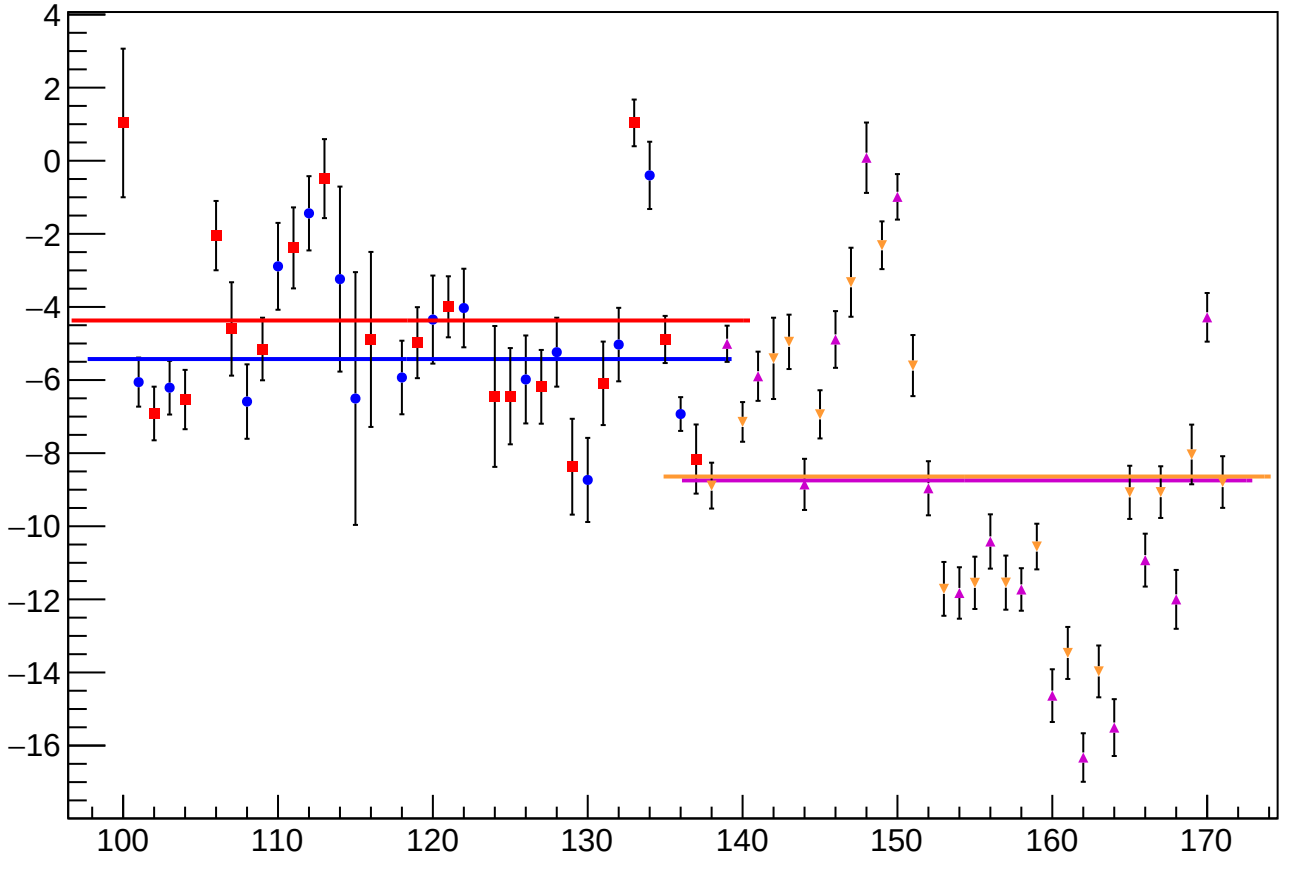
Left: -56.202+/-0.090 χ^2/NDF: 1554.7/33

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.693+/-0.113 χ^2/NDF:4667.0/31

Out: -56.992+/-0.106 χ^2/NDF:4256.6/36

All: -57.322+/-0.077 χ^2/NDF: 8944.1/68



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: -8.746+/-0.172 χ^2/NDF:732.4/15

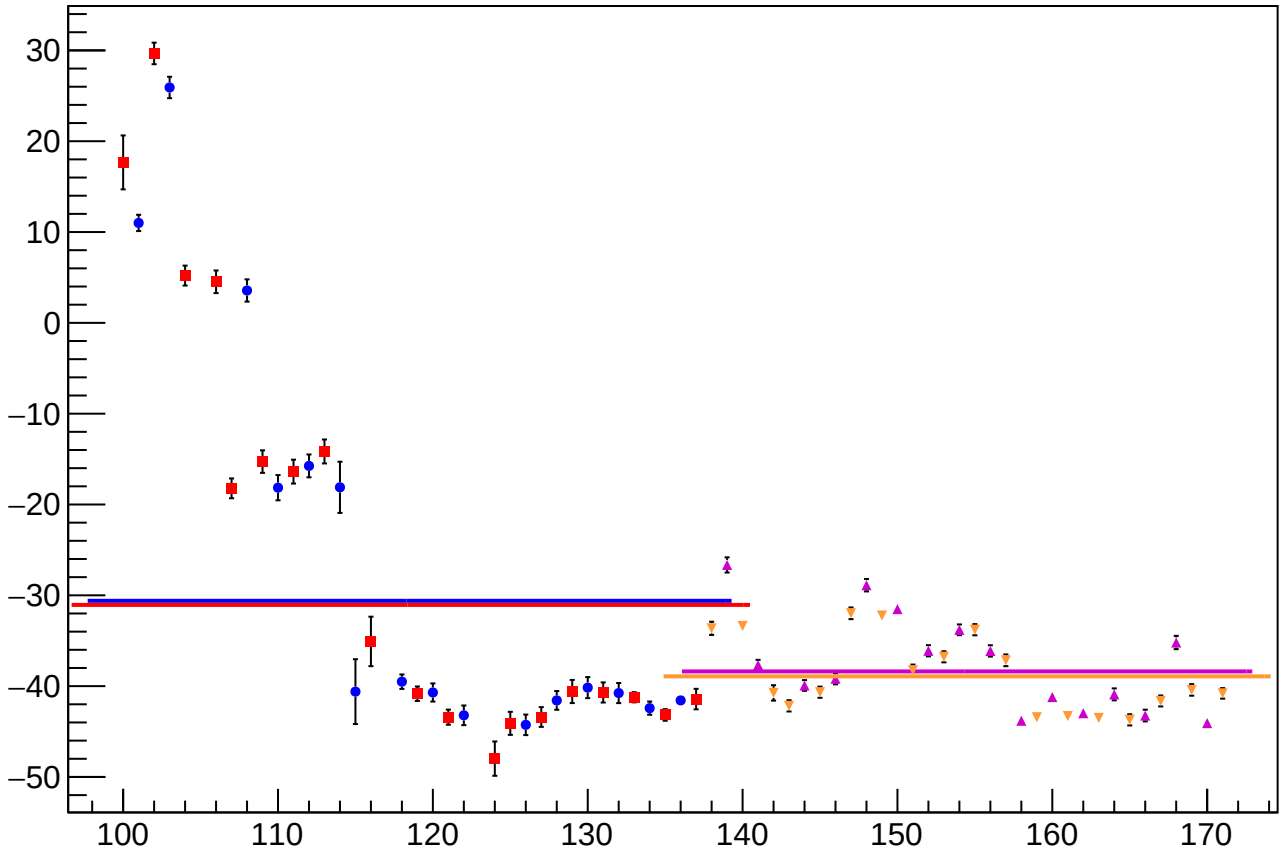
Left: -8.691+/-0.120 χ^2/NDF: 1081.3/33

Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.554+/-0.138 χ^2/NDF:942.1/31

Out: -7.086+/-0.134 χ^2/NDF:739.4/36

All: -7.314+/-0.096 χ^2/NDF: 1687.4/68



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: -38.380+/-0.148 χ^2/NDF:1106.4/15

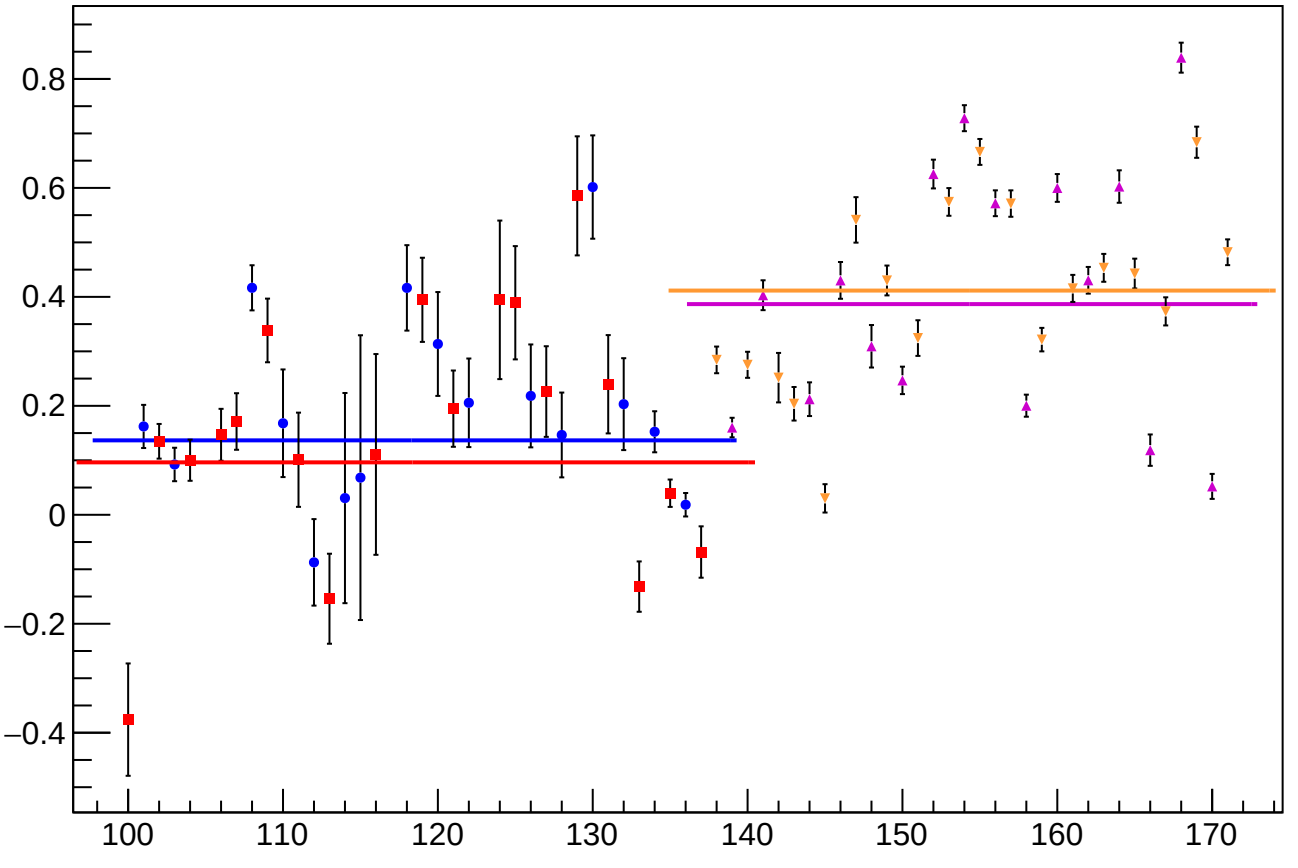
Left: -38.665+/-0.102 χ^2/NDF: 1994.9/33

Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.350+/-0.127 χ^2/NDF:8762.6/31

Out: -36.869+/-0.122 χ^2/NDF:8666.9/36

All: -36.622+/-0.088 χ^2/NDF: 17438.2/68



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: 0.387+/-0.006 χ^2/NDF:1355.5/15

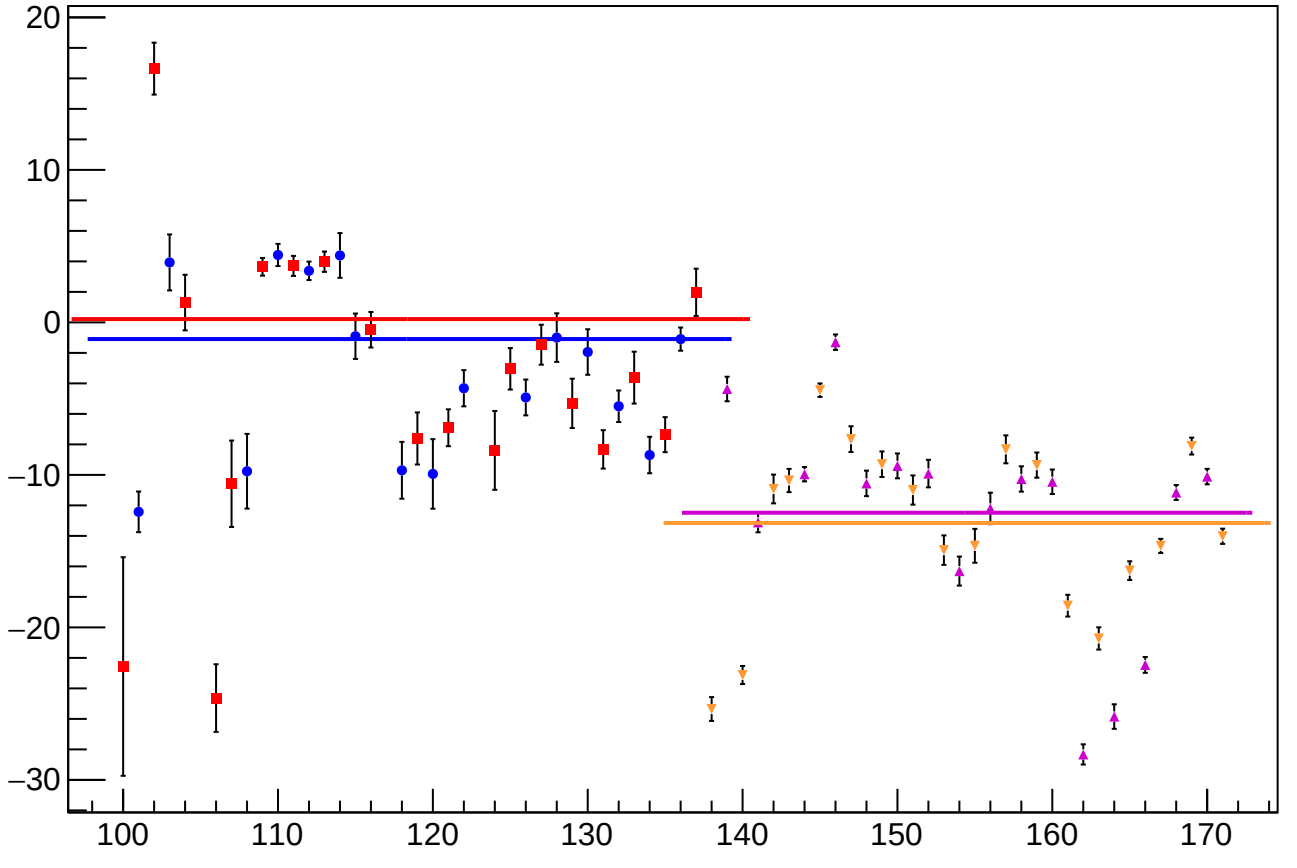
Left: 0.399+/-0.004 χ^2/NDF: 2034.7/33

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.335+/-0.006 χ^2/NDF:1802.8/31

Out: 0.347+/-0.006 χ^2/NDF:1338.0/36

All: 0.341+/-0.004 χ^2/NDF: 3142.9/68



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: -12.481+/-0.164 χ^2/NDF:1921.3/15

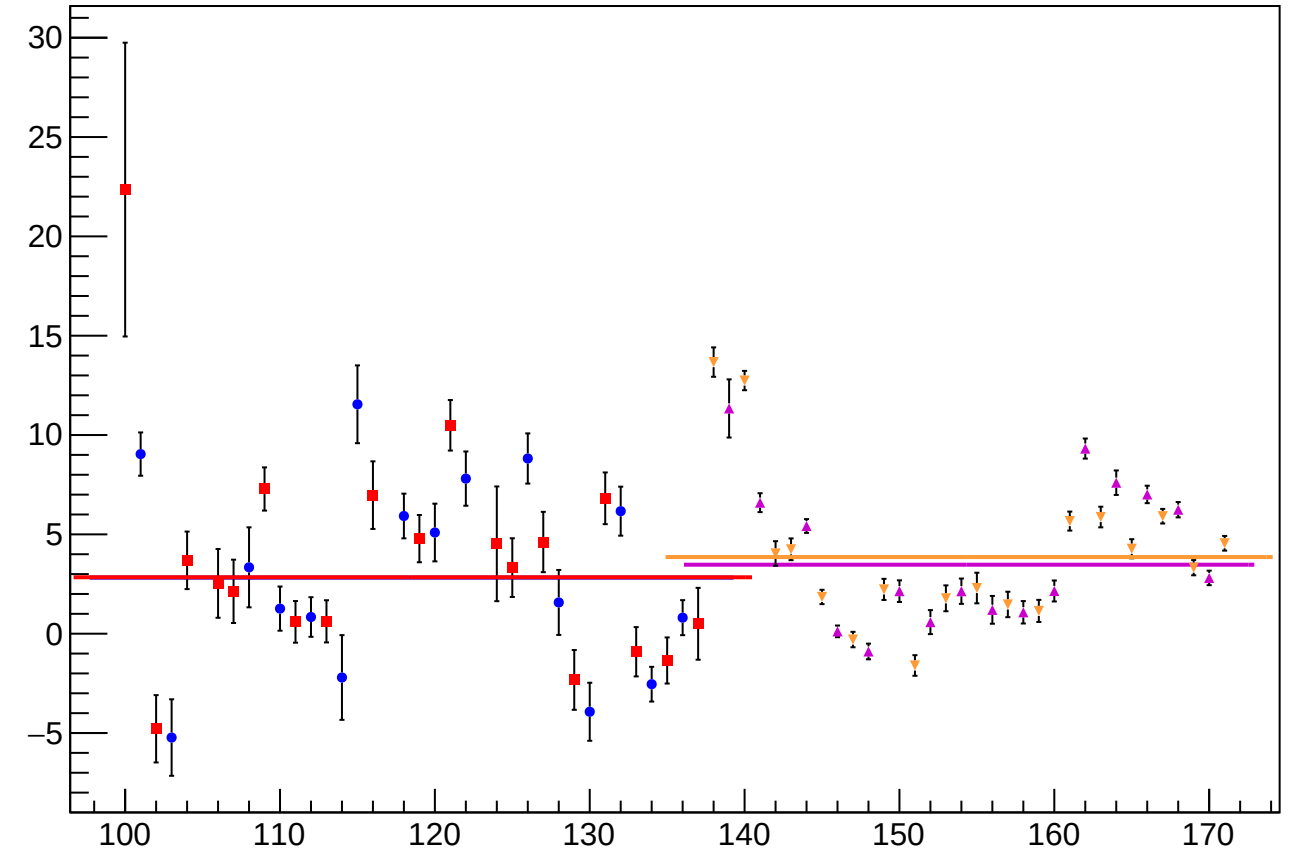
Left: -12.827+/-0.114 χ^2/NDF: 3274.1/33

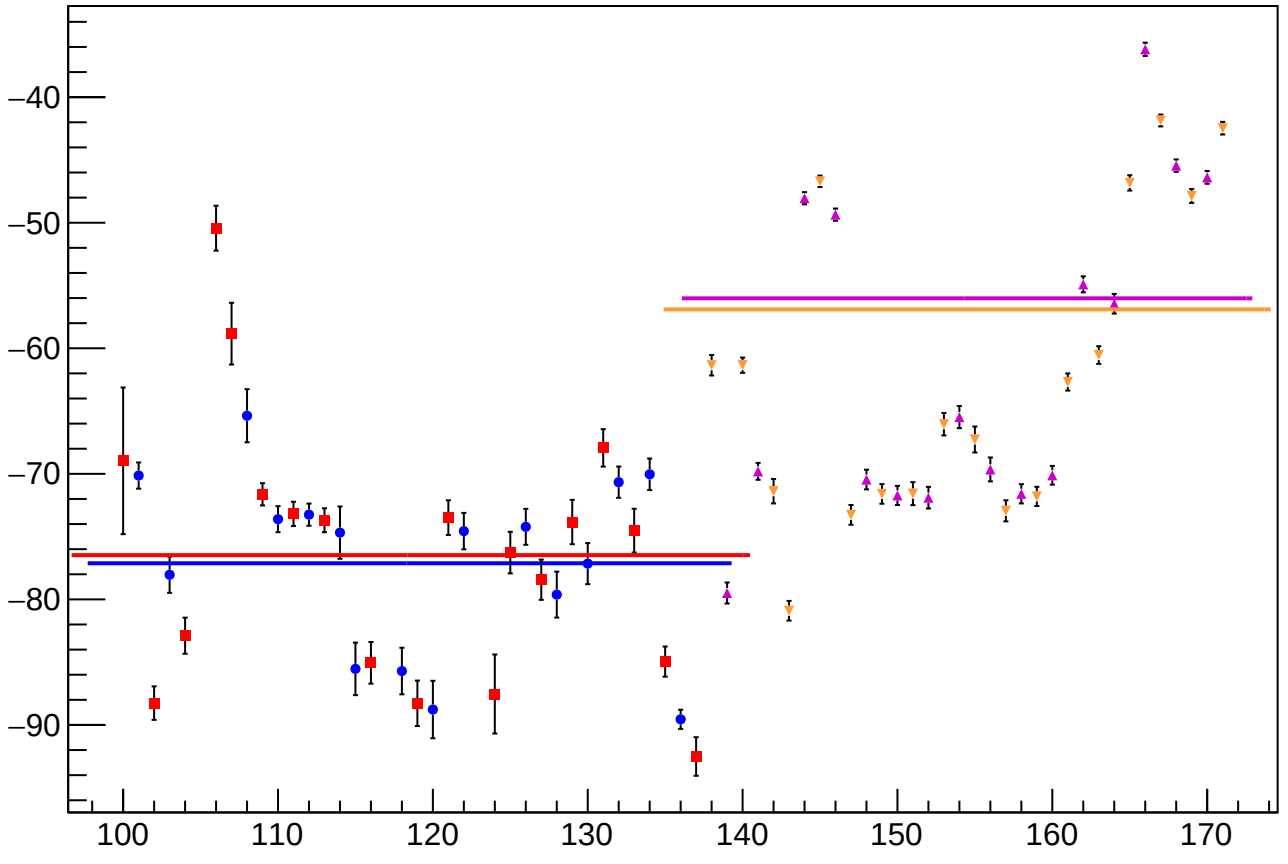
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.573+/-0.142 χ^2/NDF:3480.2/31

Out: -9.621+/-0.137 χ^2/NDF:3721.0/36

All: -9.598+/-0.098 χ^2/NDF: 7201.3/68


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: 3.472+/-0.116 χ²/NDF:721.8/15
Left: 3.669+/-0.081 χ²/NDF: 1622.1/33
Right: 2.831+/-0.225 χ²/NDF: 344.5/34
In: 3.394+/-0.109 χ²/NDF:925.2/31
Out: 3.745+/-0.107 χ²/NDF:1048.5/36
All: 3.572+/-0.076 χ²/NDF: 1978.9/68



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: -56.022+/-0.162 χ^2/NDF:6077.8/15

Left: -56.472+/-0.113 χ^2/NDF: 12297.6/33

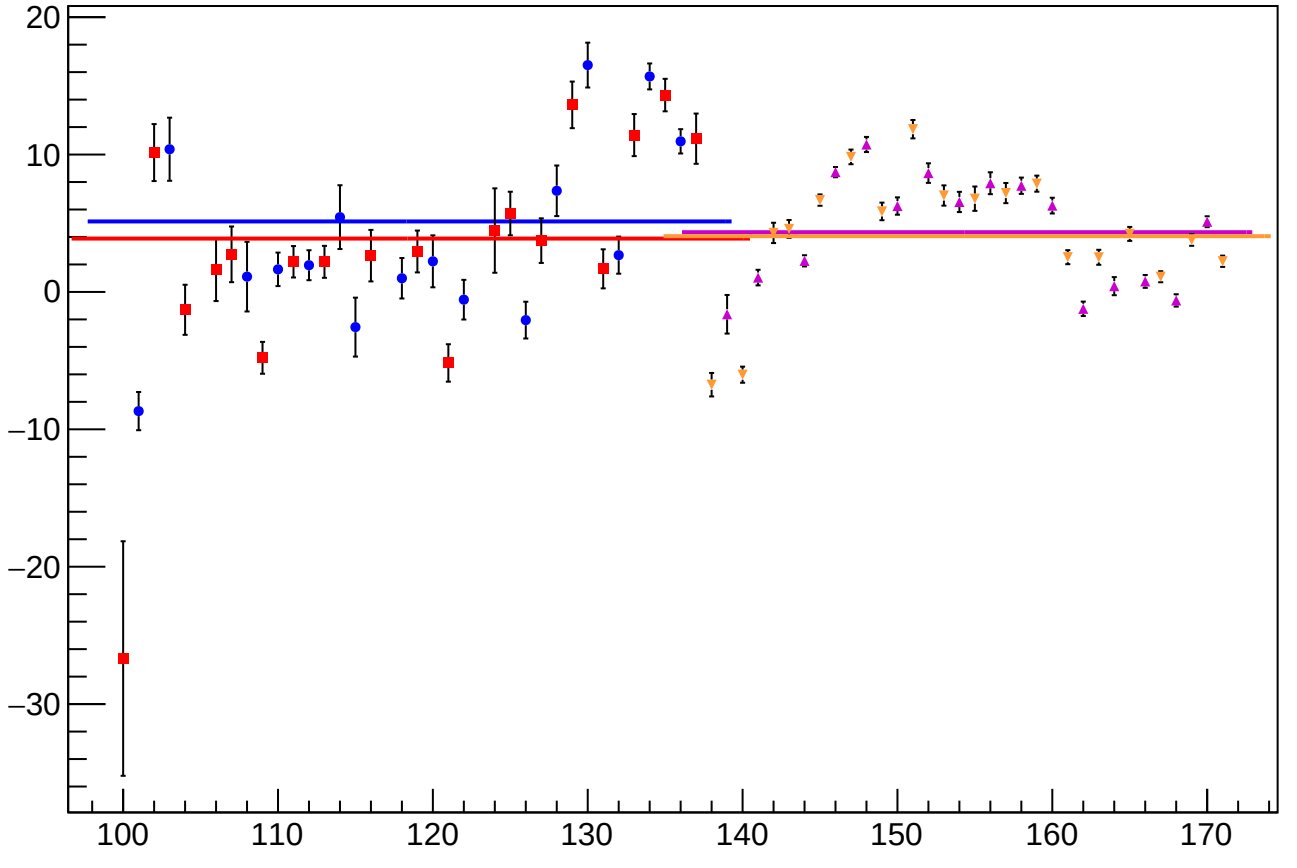
Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -60.180+/-0.145 χ^2/NDF:9939.2/31

Out: -60.586+/-0.143 χ^2/NDF:9782.6/36

All: -60.386+/-0.102 χ^2/NDF: 19725.7/68

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: 4.348+/-0.134 χ^2/NDF:801.4/15

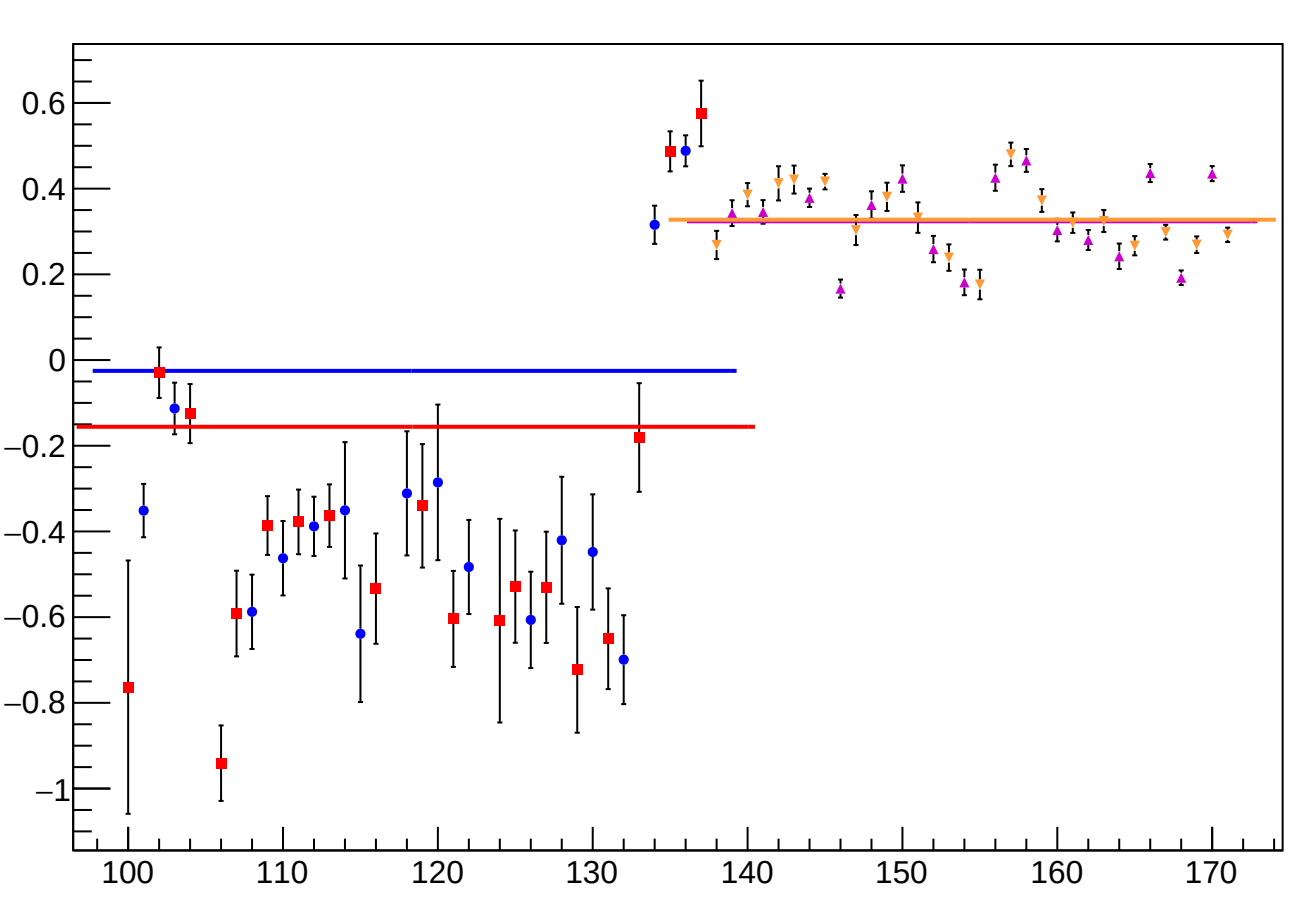
Left: 4.199+/-0.093 χ^2/NDF: 1738.9/33

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 4.448+/-0.125 χ^2/NDF:1218.1/31

Out: 4.038+/-0.122 χ^2/NDF:1226.7/36

All: 4.239+/-0.087 χ^2/NDF: 2450.4/68



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: 0.324+/-0.006 χ^2/NDF:281.4/15

Left: 0.326+/-0.004 χ^2/NDF: 414.4/33

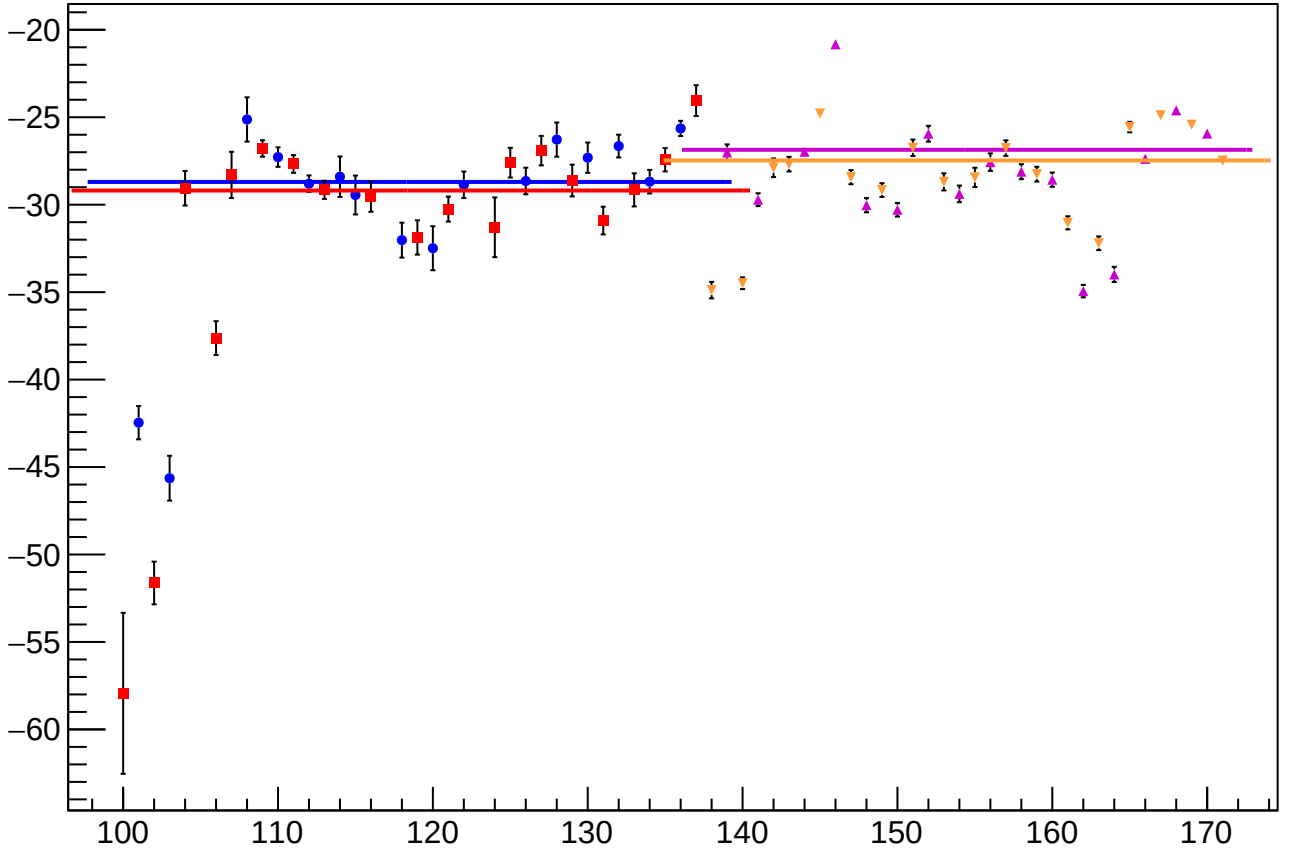
Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.291+/-0.006 χ^2/NDF:1101.4/31

Out: 0.290+/-0.006 χ^2/NDF:1154.8/36

All: 0.290+/-0.004 χ^2/NDF: 2256.3/68

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: -26.862+/-0.078 χ^2/NDF:2015.3/15

Left: -27.168+/-0.055 χ^2/NDF: 3443.2/33

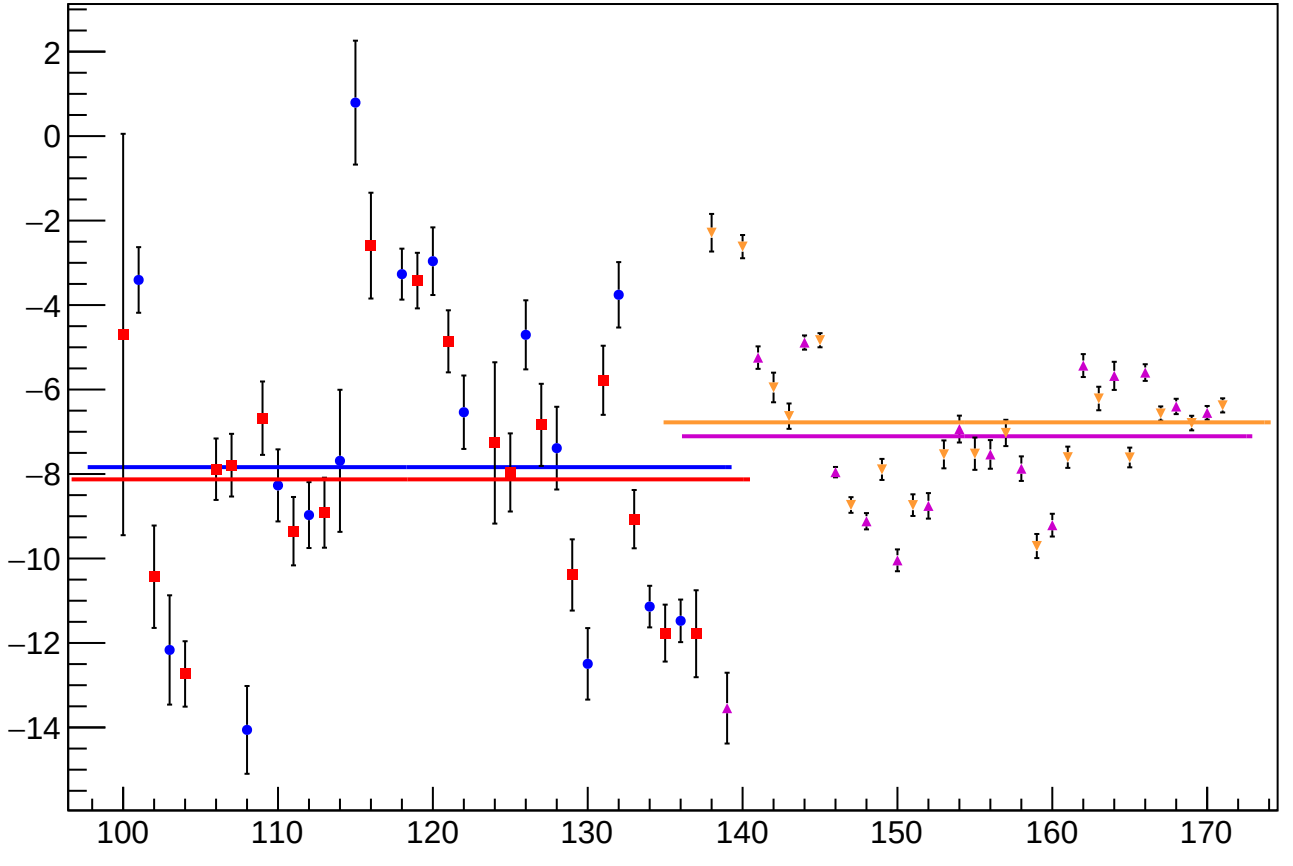
Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -27.140+/-0.072 χ^2/NDF:2585.4/31

Out: -27.739+/-0.072 χ^2/NDF:2030.8/36

All: -27.442+/-0.051 χ^2/NDF: 4650.9/68

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.777+/-0.056 χ^2/NDF:811.0/17

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -7.106+/-0.055 χ^2/NDF:809.2/15

Left: -6.943+/-0.039 χ^2/NDF: 1638.0/33

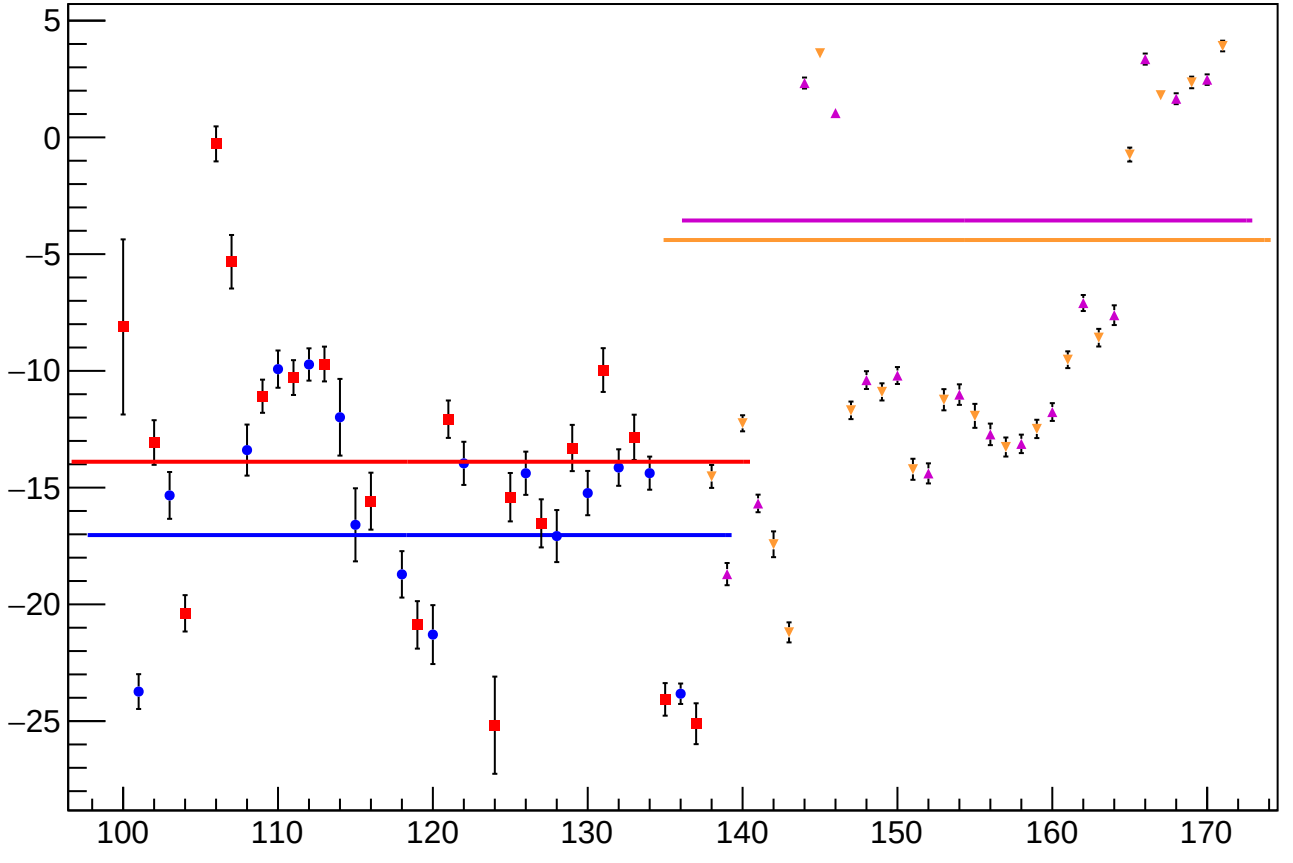
Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -7.160+/-0.053 χ^2/NDF:1205.4/31

Out: -6.877+/-0.053 χ^2/NDF:1052.0/36

All: -7.020+/-0.038 χ^2/NDF: 2271.6/68

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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: -3.559+/-0.077 χ^2/NDF:8496.4/15

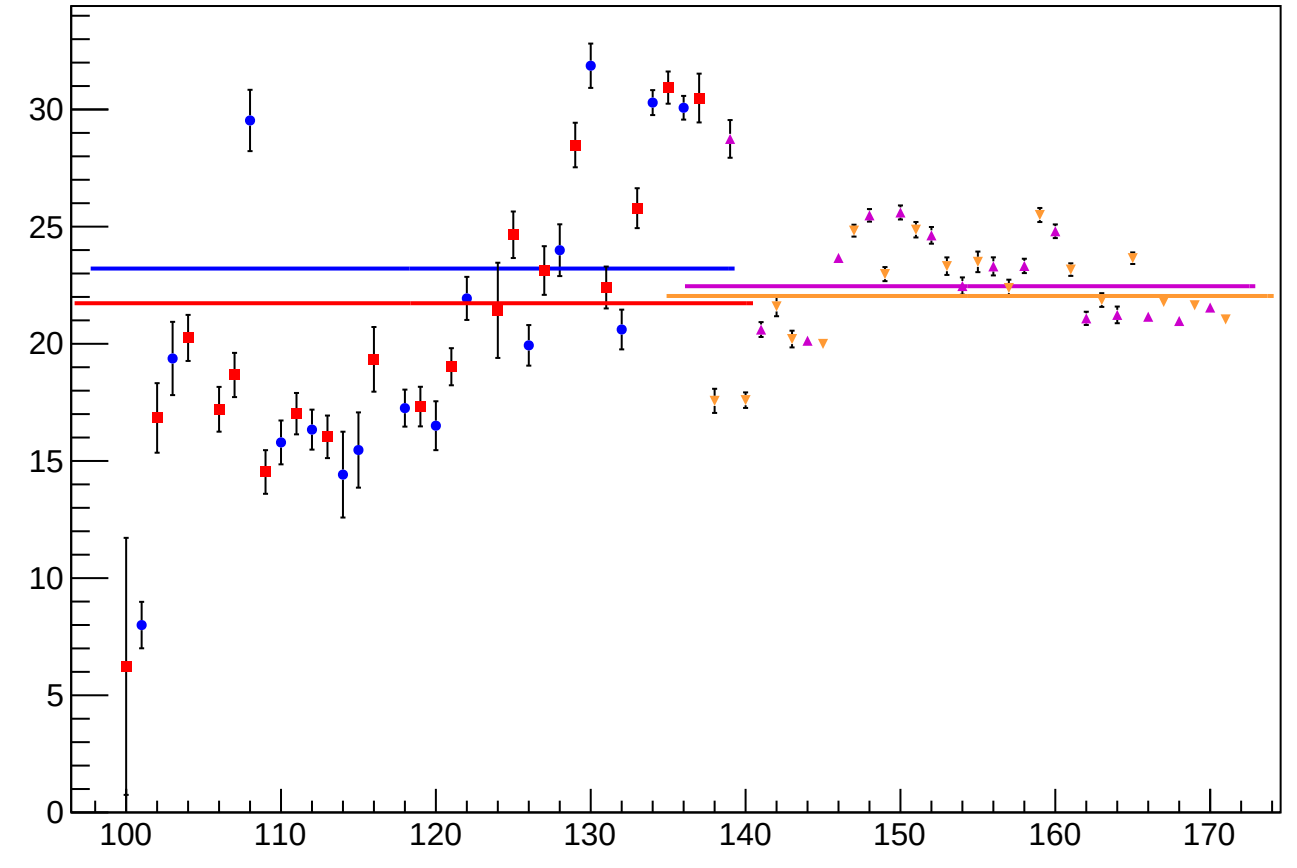
Left: -3.977+/-0.055 χ^2/NDF: 18928.6/33

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -5.171+/-0.072 χ^2/NDF:12743.4/31

Out: -5.533+/-0.072 χ^2/NDF:13202.3/36

All: -5.352+/-0.051 χ^2/NDF: 25958.3/68



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: 22.458+/-0.064 χ^2/NDF:797.4/15

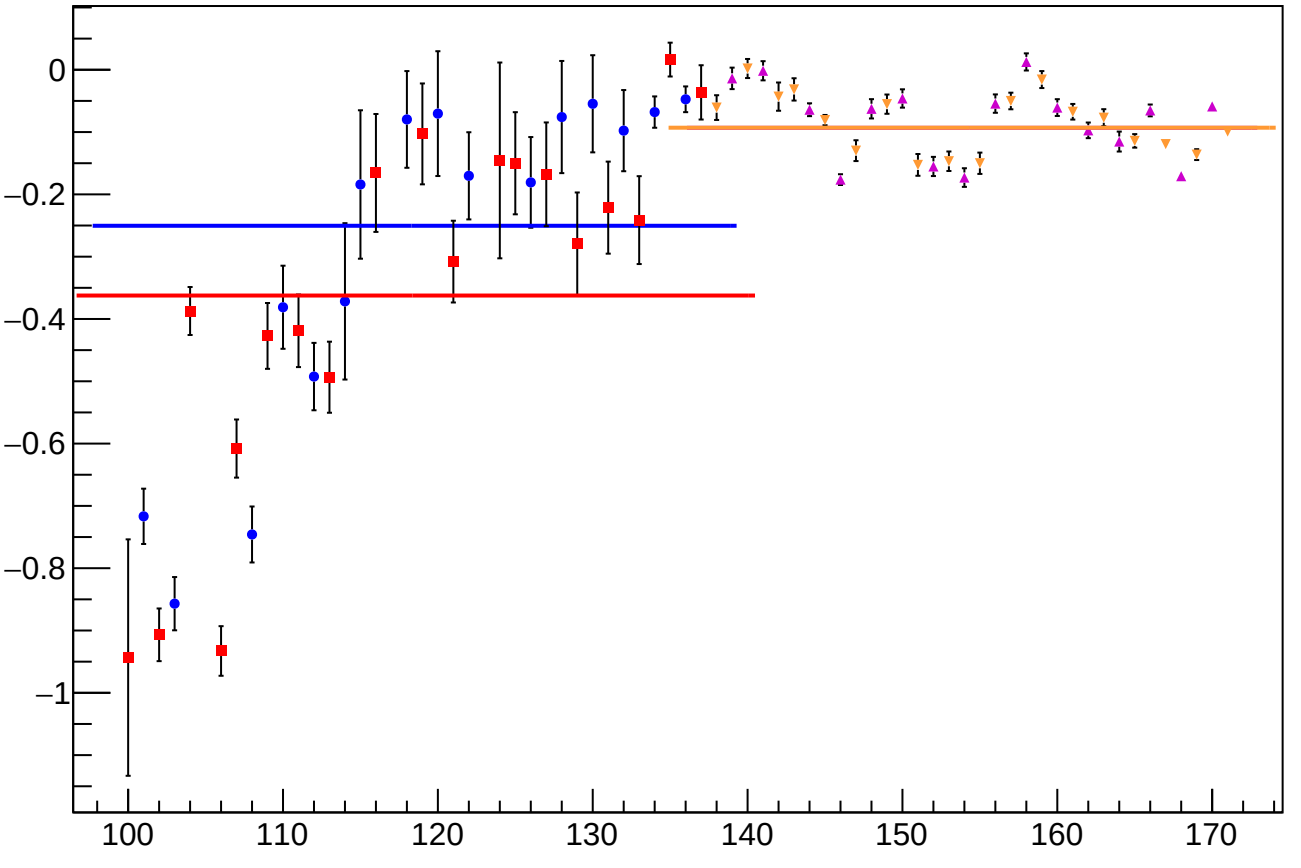
Left: 22.249+/-0.045 χ^2/NDF: 1671.0/33

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.517+/-0.061 χ^2/NDF:1816.6/31

Out: 22.018+/-0.061 χ^2/NDF:1412.1/36

All: 22.267+/-0.043 χ^2/NDF: 3262.1/68



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: -0.093+/-0.003 χ^2/NDF:412.9/15

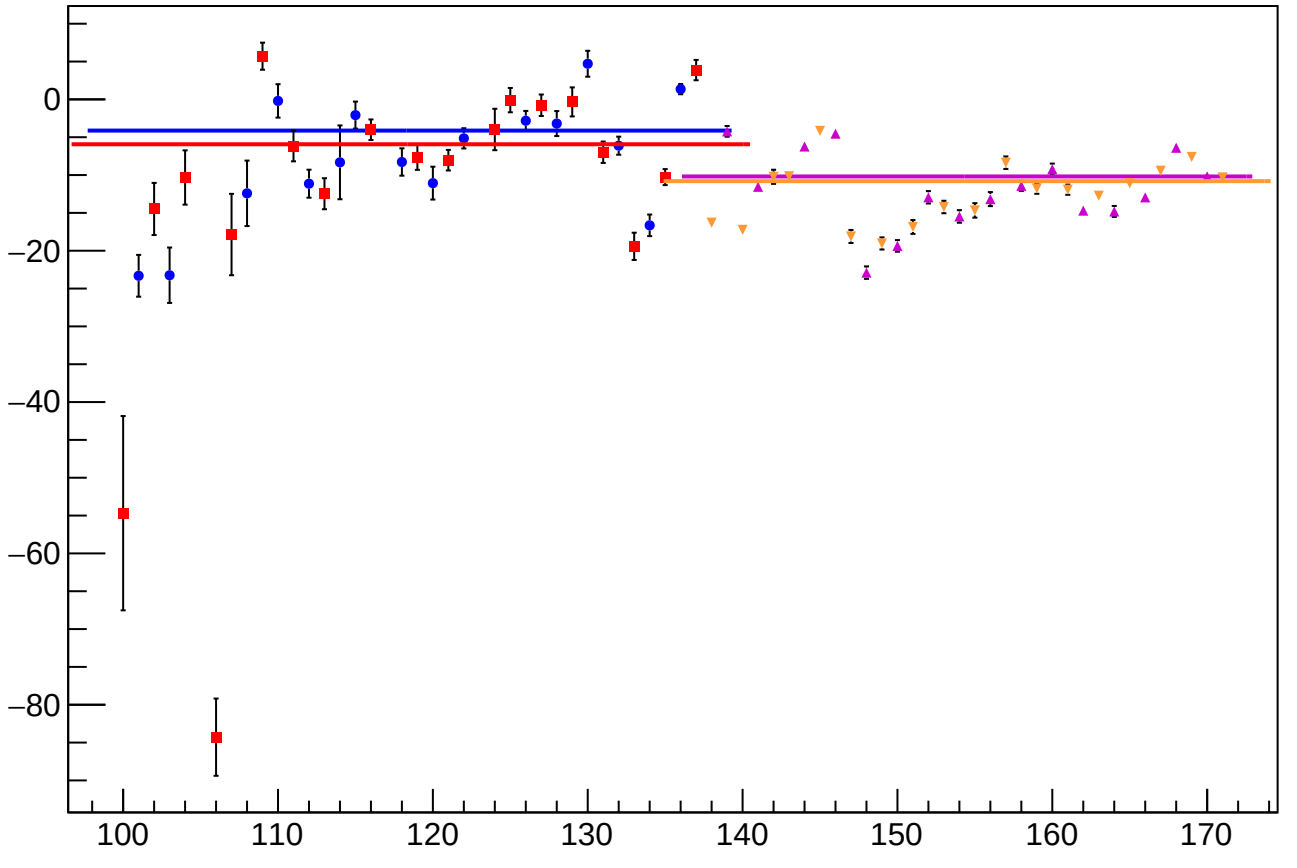
Left: -0.093+/-0.002 χ^2/NDF: 606.6/33

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.103+/-0.003 χ^2/NDF:1217.4/31

Out: -0.107+/-0.003 χ^2/NDF:1349.8/36

All: -0.105+/-0.002 χ^2/NDF: 2568.3/68



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: -10.186+/-0.142 χ^2/NDF:1024.4/15

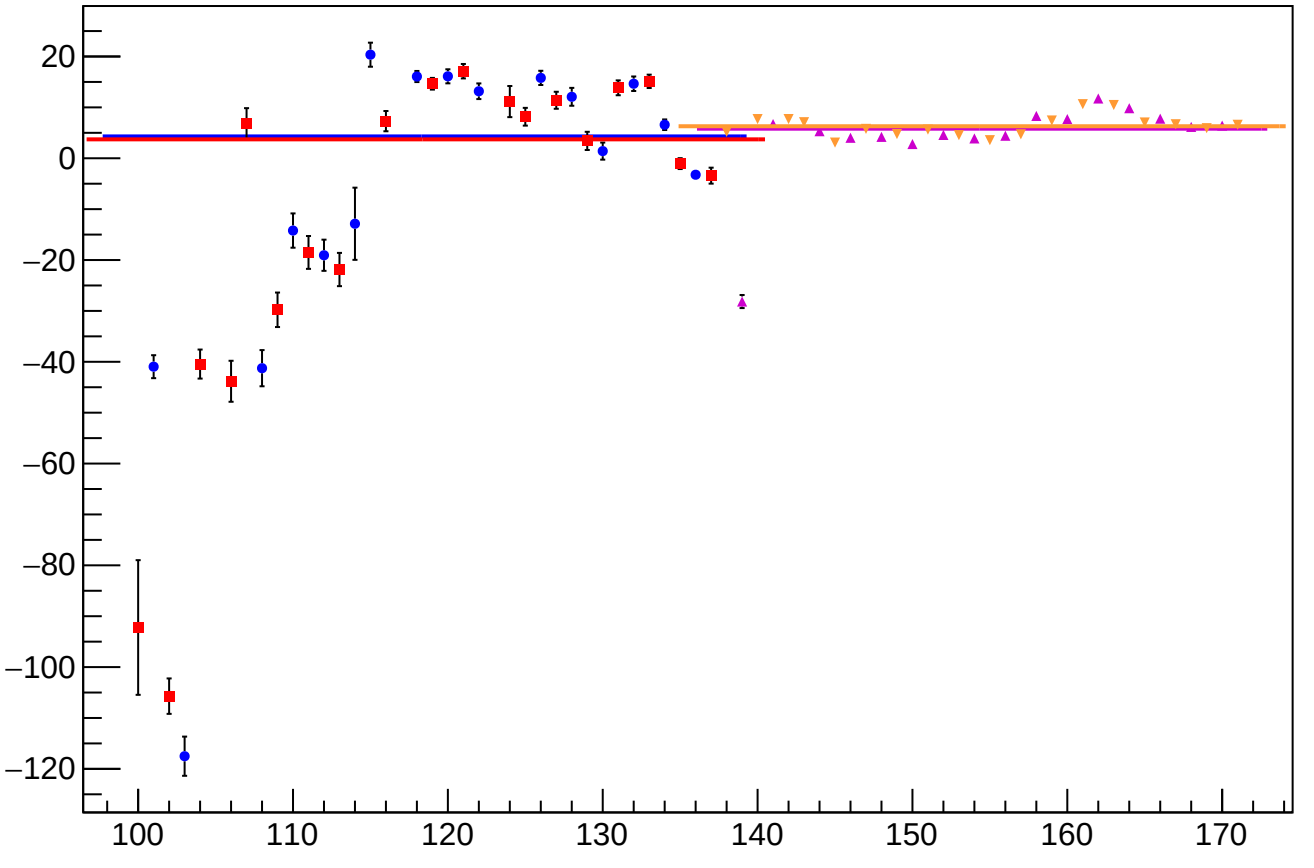
Left: -10.504+/-0.099 χ^2/NDF: 1904.6/33

Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -9.445+/-0.133 χ^2/NDF:1533.7/31

Out: -10.301+/-0.131 χ^2/NDF:1481.3/36

All: -9.881+/-0.093 χ^2/NDF: 3036.0/68



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: 5.813+/-0.102 χ^2/NDF:1128.5/15

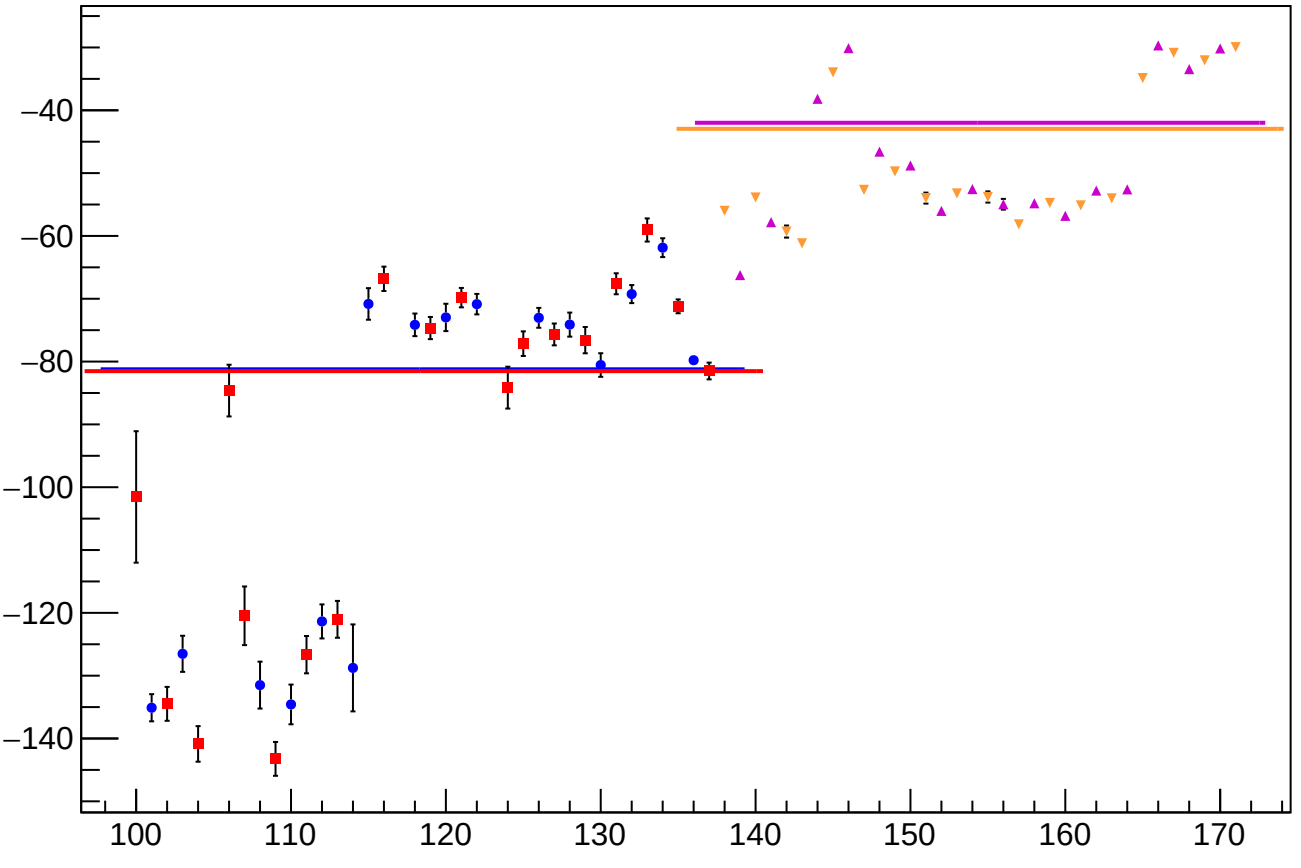
Left: 6.057+/-0.071 χ^2/NDF: 1509.7/33

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.714+/-0.098 χ^2/NDF:3312.2/31

Out: 6.156+/-0.097 χ^2/NDF:2412.3/36

All: 5.938+/-0.069 χ^2/NDF: 5734.7/68



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: -41.987+/-0.140 χ^2/NDF:7031.8/15

Left: -42.478+/-0.098 χ^2/NDF: 14156.6/33

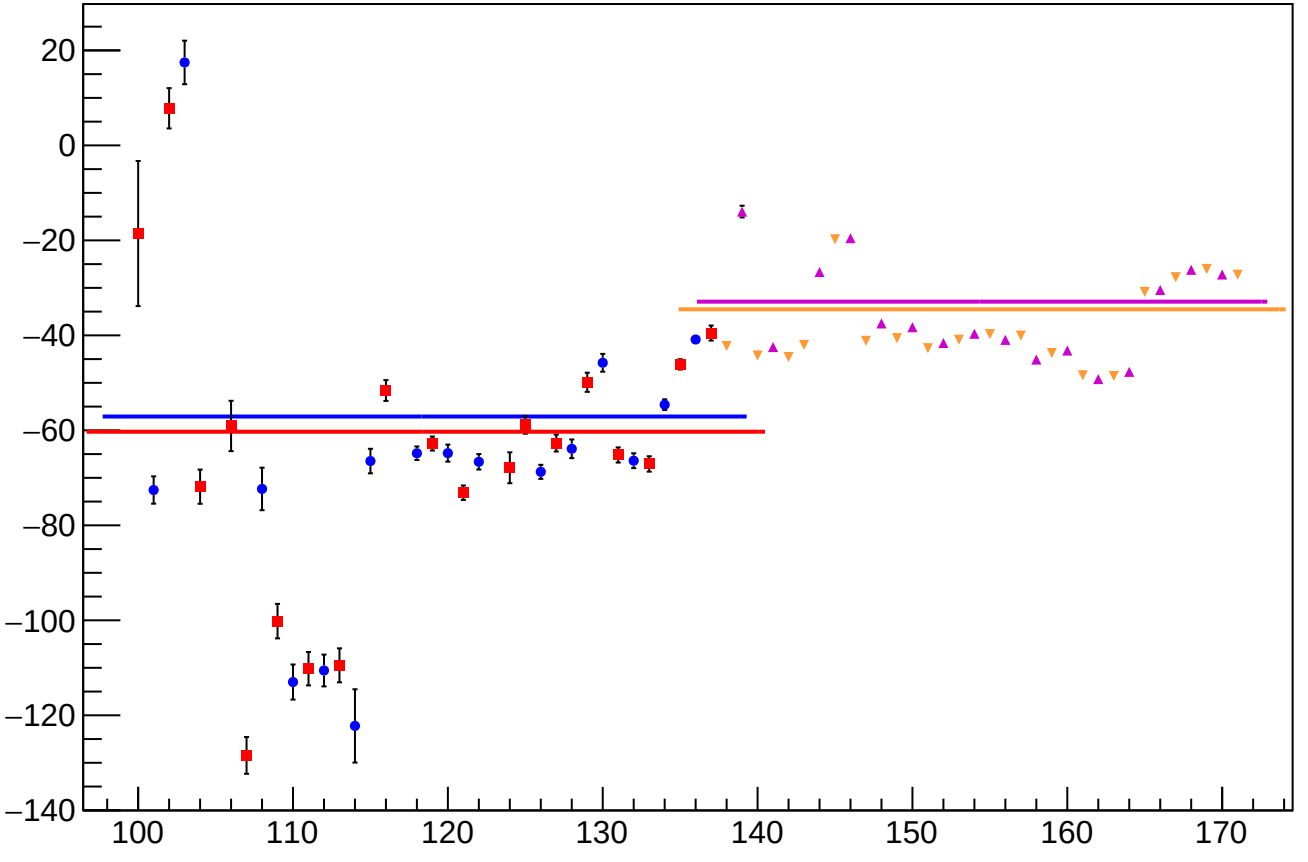
Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -45.978+/-0.133 χ^2/NDF:16965.3/31

Out: -46.091+/-0.132 χ^2/NDF:15808.3/36

All: -46.035+/-0.094 χ^2/NDF: 32773.9/68

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -34.516+/-0.113 χ^2/NDF:6773.1/17

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -32.902+/-0.117 χ^2/NDF:6742.9/15

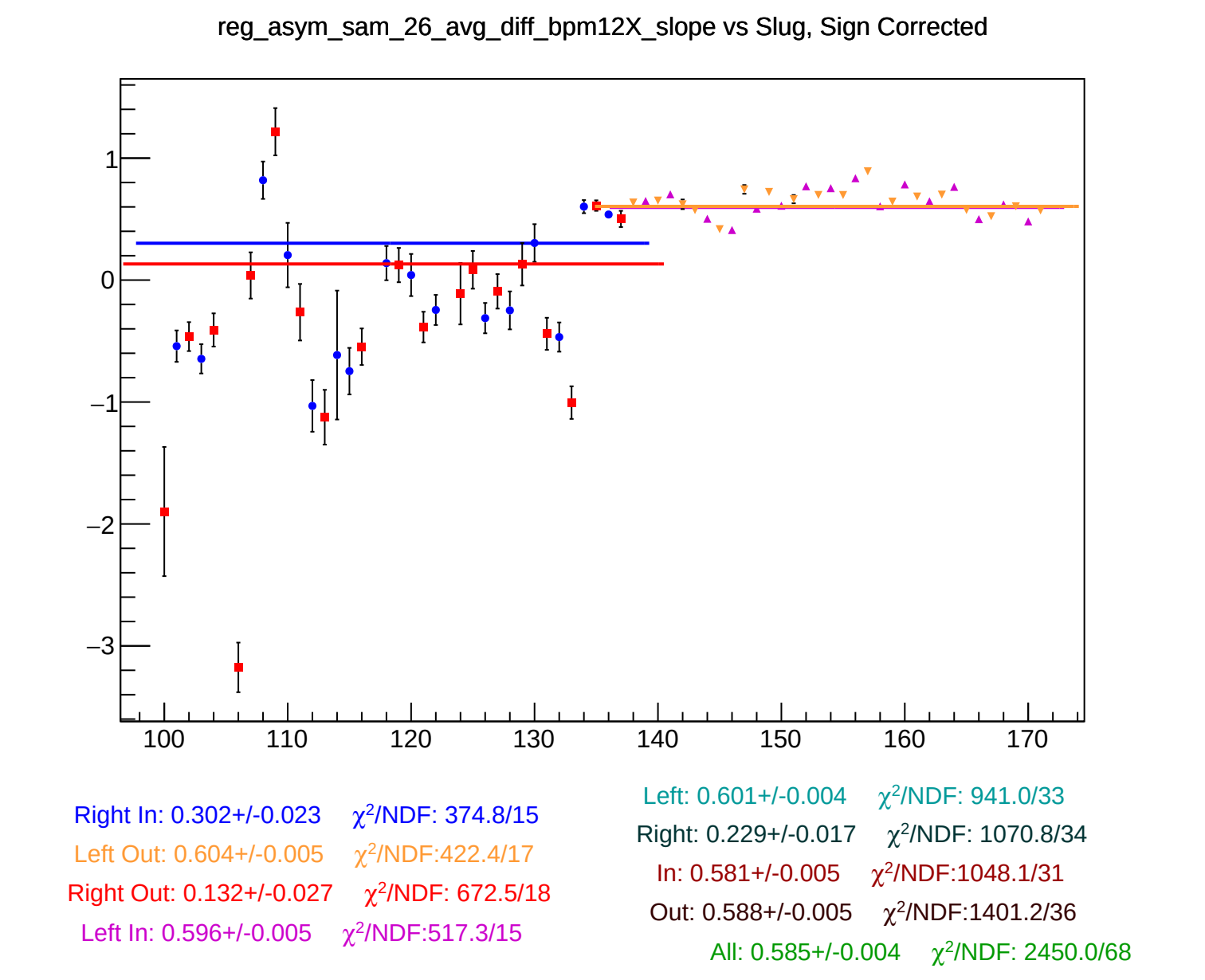
Left: -33.731+/-0.081 χ^2/NDF: 13614.5/33

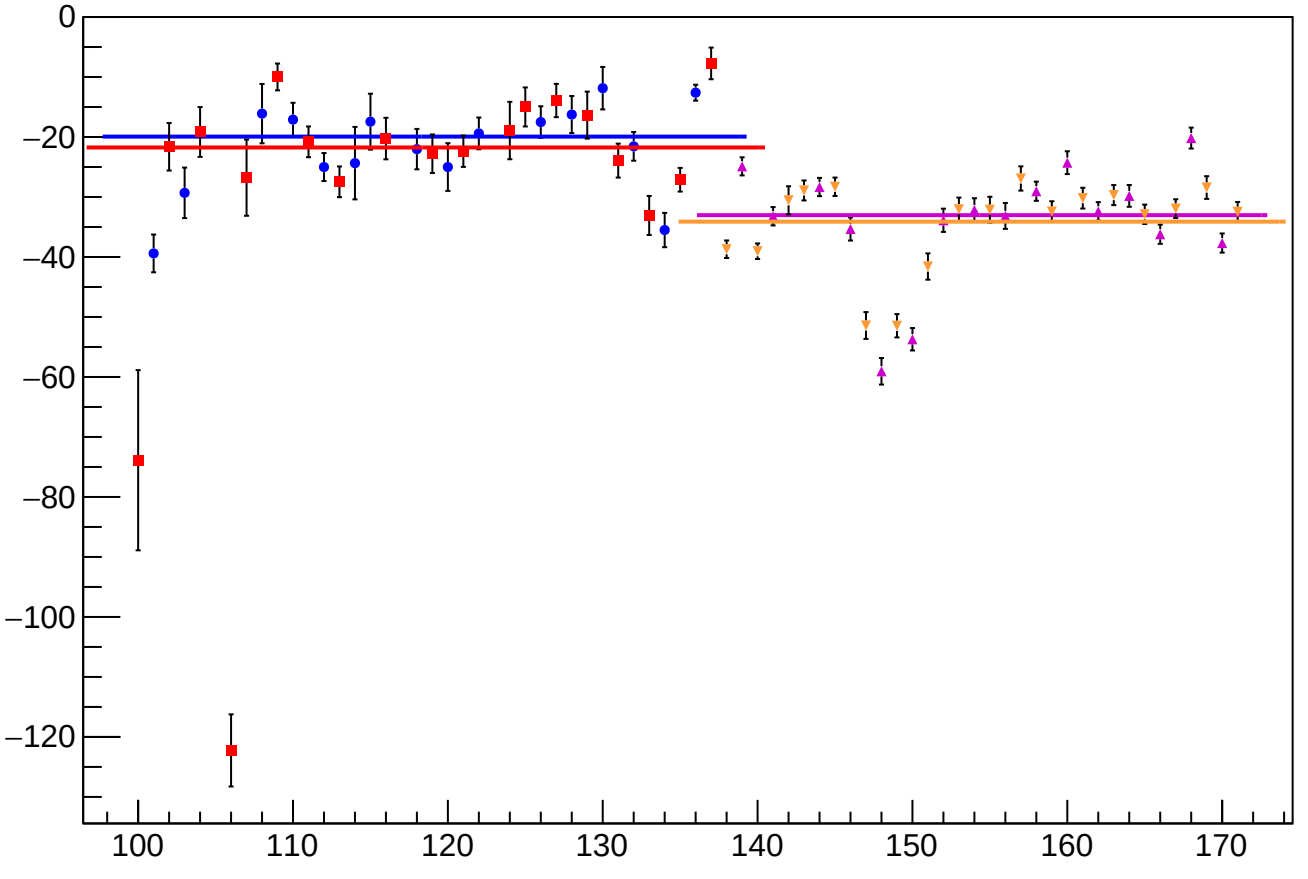
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -34.590+/-0.112 χ^2/NDF:11272.1/31

Out: -35.936+/-0.110 χ^2/NDF:11201.6/36

All: -35.276+/-0.079 χ^2/NDF: 22546.7/68


reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.302+/-0.023 χ²/NDF: 374.8/15
Left Out: 0.604+/-0.005 χ²/NDF:422.4/17
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.596+/-0.005 χ²/NDF:517.3/15
Left: 0.601+/-0.004 χ²/NDF: 941.0/33
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.581+/-0.005 χ²/NDF:1048.1/31
Out: 0.588+/-0.005 χ²/NDF:1401.2/36
All: 0.585+/-0.004 χ²/NDF: 2450.0/68



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: -33.026+/-0.434 χ^2/NDF:398.6/15

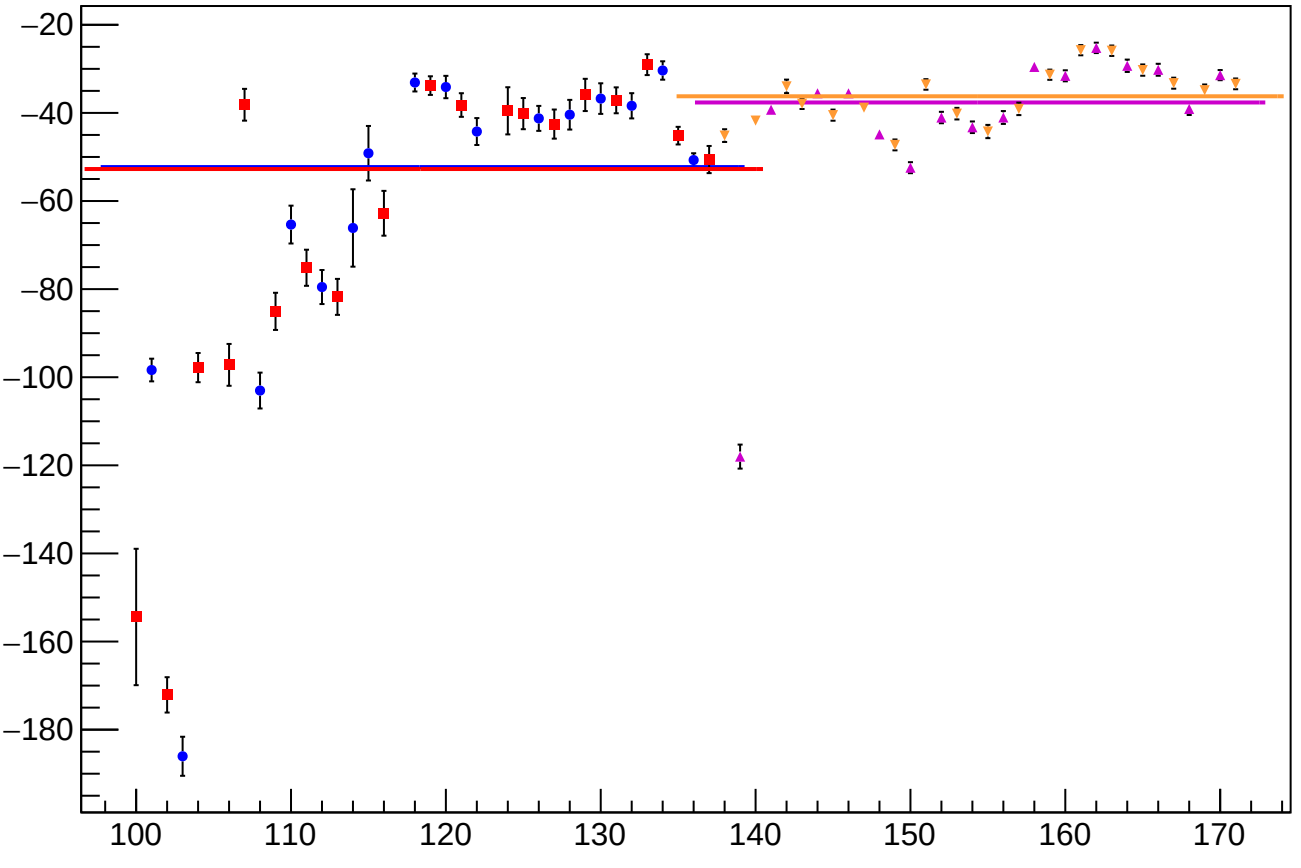
Left: -33.595+/-0.299 χ^2/NDF: 644.6/33

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.351+/-0.368 χ^2/NDF:774.6/31

Out: -31.021+/-0.357 χ^2/NDF:856.1/36

All: -30.213+/-0.256 χ^2/NDF: 1641.3/68



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -36.224+/-0.294 χ^2/NDF:421.0/17

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -37.631+/-0.313 χ^2/NDF:1379.9/15

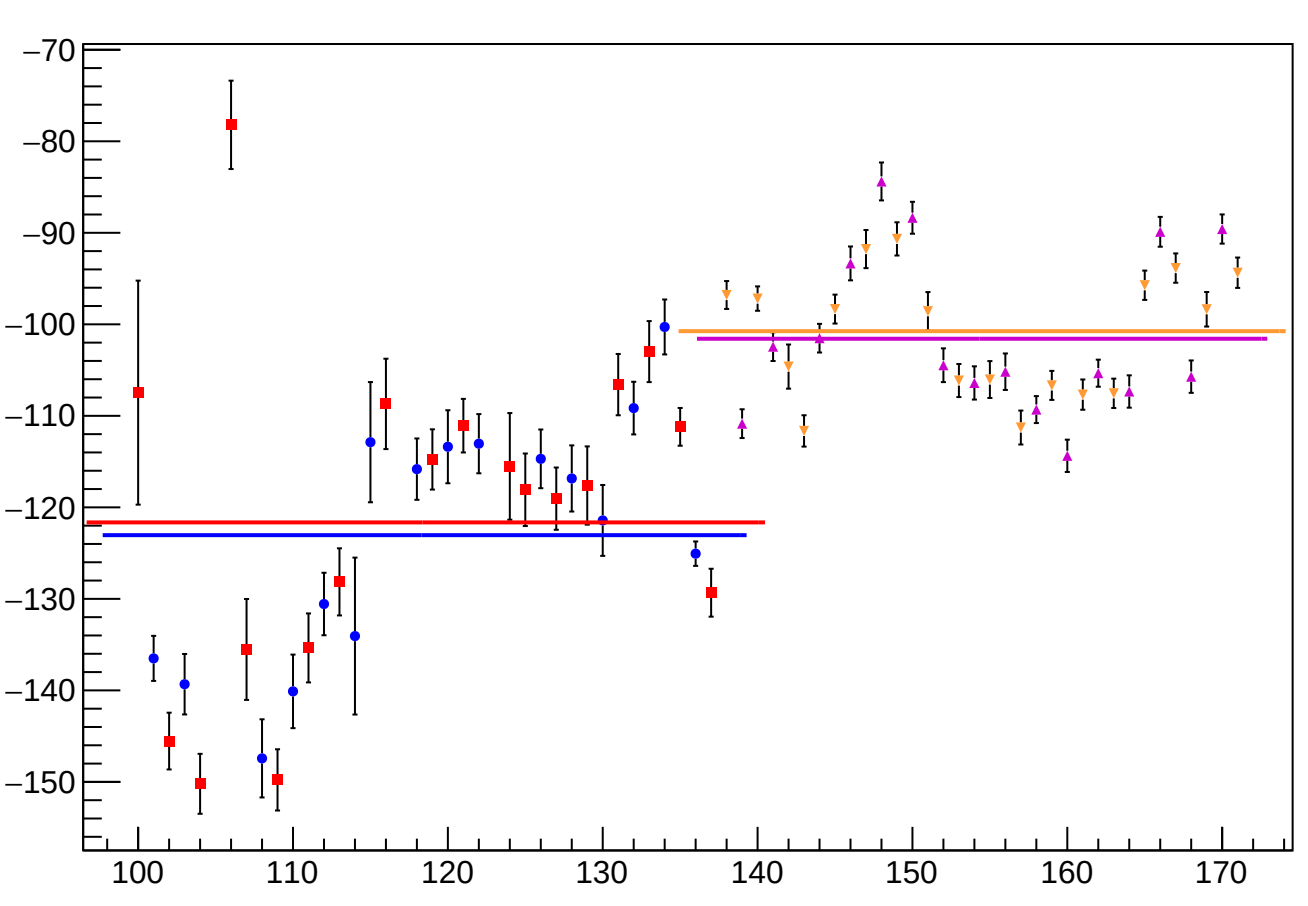
Left: -36.883+/-0.214 χ^2/NDF: 1811.6/33

Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -40.028+/-0.286 χ^2/NDF:3517.0/31

Out: -38.430+/-0.273 χ^2/NDF:2505.5/36

All: -39.192+/-0.198 χ^2/NDF: 6038.8/68



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: -101.576+/-0.424 χ^2/NDF:404.5/15

Left: -101.143+/-0.293 χ^2/NDF: 658.6/33

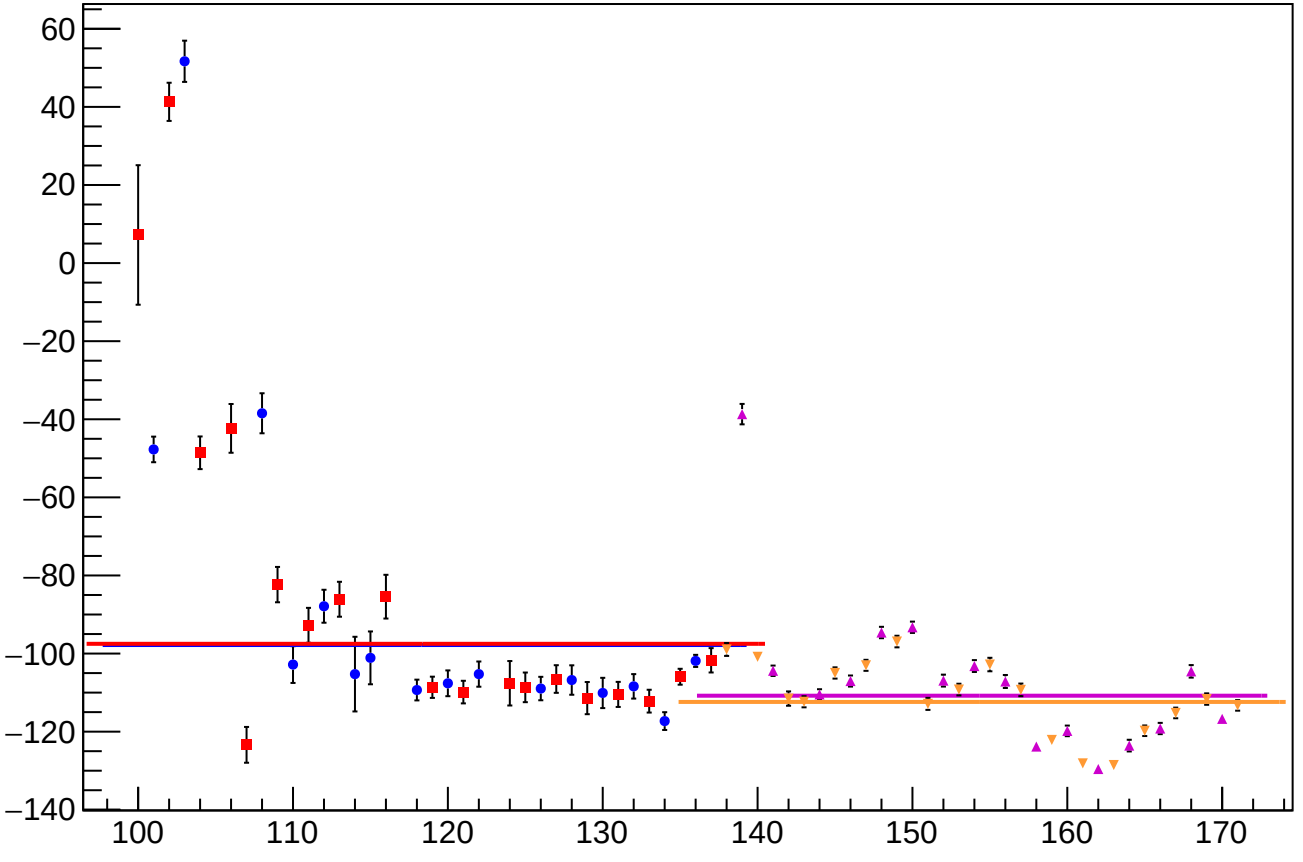
Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -106.769+/-0.369 χ^2/NDF:1252.1/31

Out: -105.004+/-0.362 χ^2/NDF:1218.3/36

All: -105.869+/-0.258 χ^2/NDF: 2482.1/68

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: -110.793+/-0.356 χ^2/NDF:1648.2/15

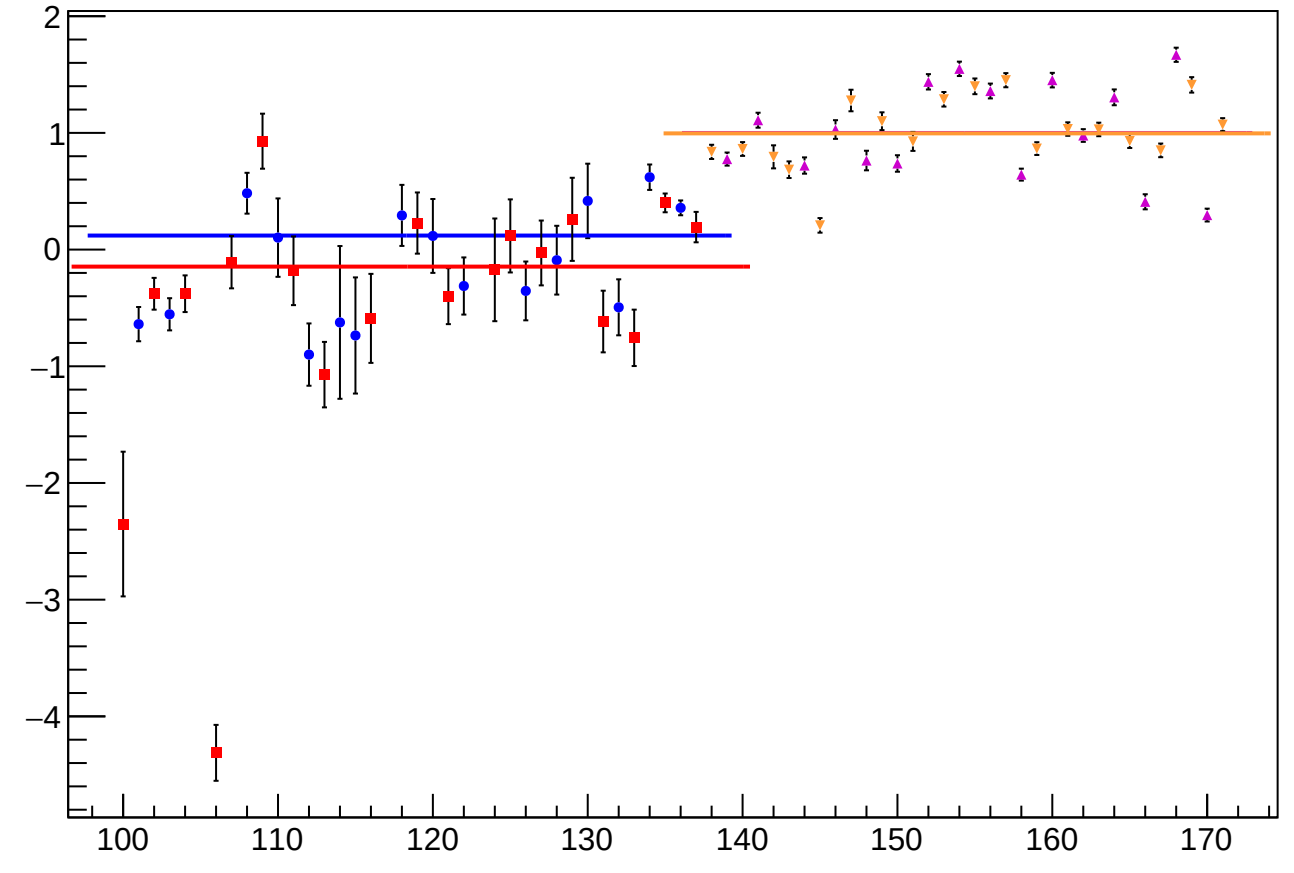
Left: -111.636+/-0.245 χ^2/NDF: 2451.0/33

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -108.613+/-0.325 χ^2/NDF:3201.9/31

Out: -110.343+/-0.312 χ^2/NDF:2297.8/36

All: -109.512+/-0.225 χ^2/NDF: 5514.4/68



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.996+/-0.015 χ^2/NDF:374.9/17

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.999+/-0.016 χ^2/NDF:700.7/15

Left: 0.997+/-0.011 χ^2/NDF: 1075.7/33

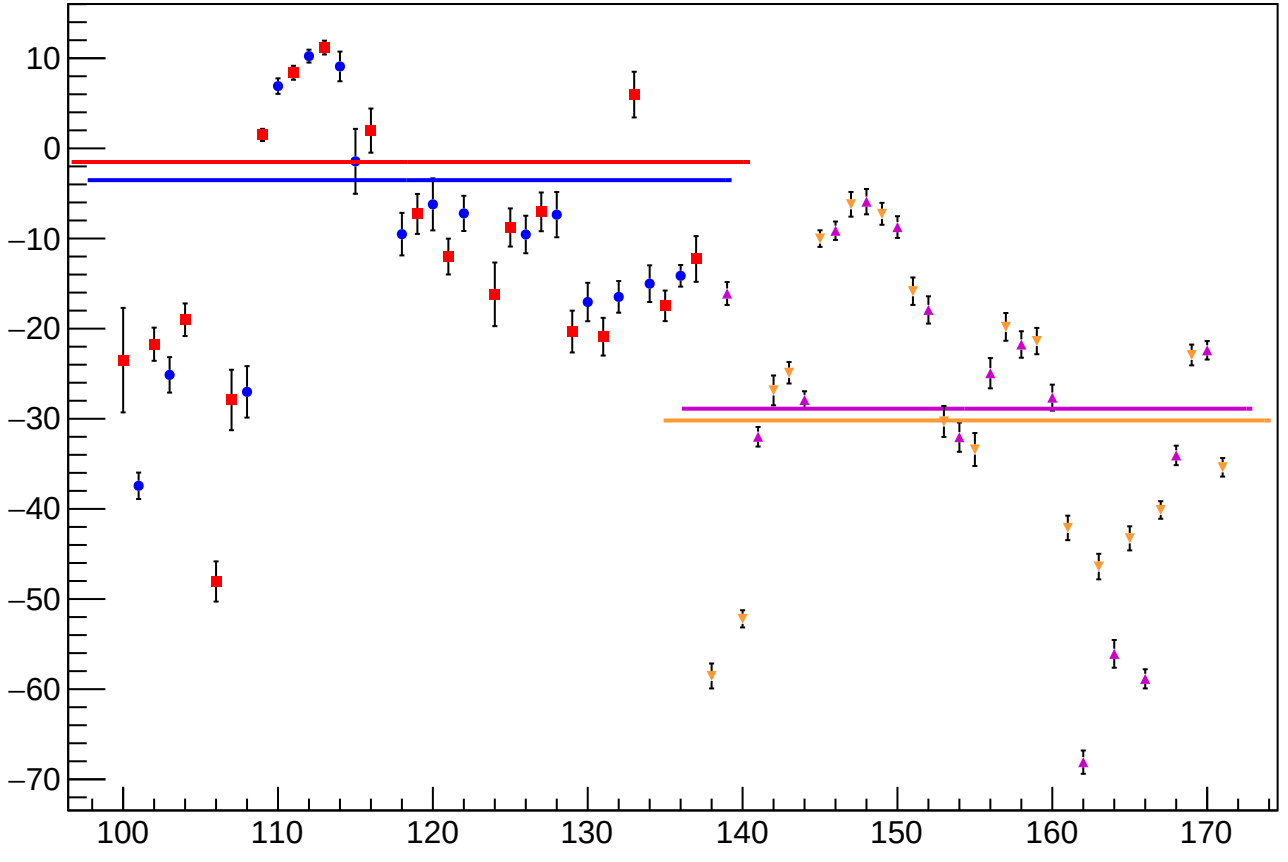
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.887+/-0.015 χ^2/NDF:1221.4/31

Out: 0.879+/-0.014 χ^2/NDF:1376.8/36

All: 0.883+/-0.010 χ^2/NDF: 2598.4/68

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: -28.882+/-0.308 χ^2/NDF:3208.0/15

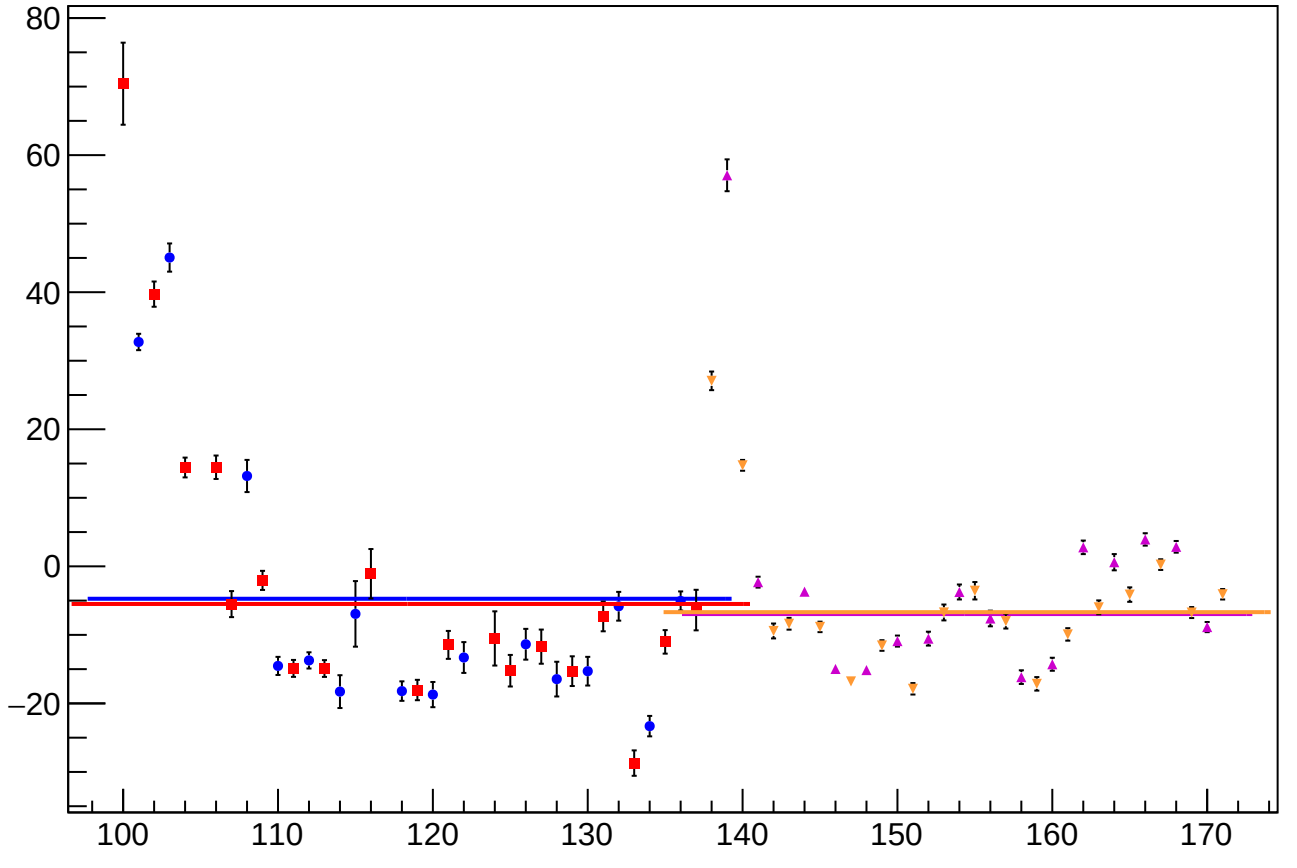
Left: -29.560+/-0.214 χ^2/NDF: 5983.9/33

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -18.715+/-0.239 χ^2/NDF:7449.9/31

Out: -17.750+/-0.223 χ^2/NDF:8355.7/36

All: -18.200+/-0.163 χ^2/NDF: 15814.3/68



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: -6.963+/-0.218 χ^2/NDF:1744.6/15

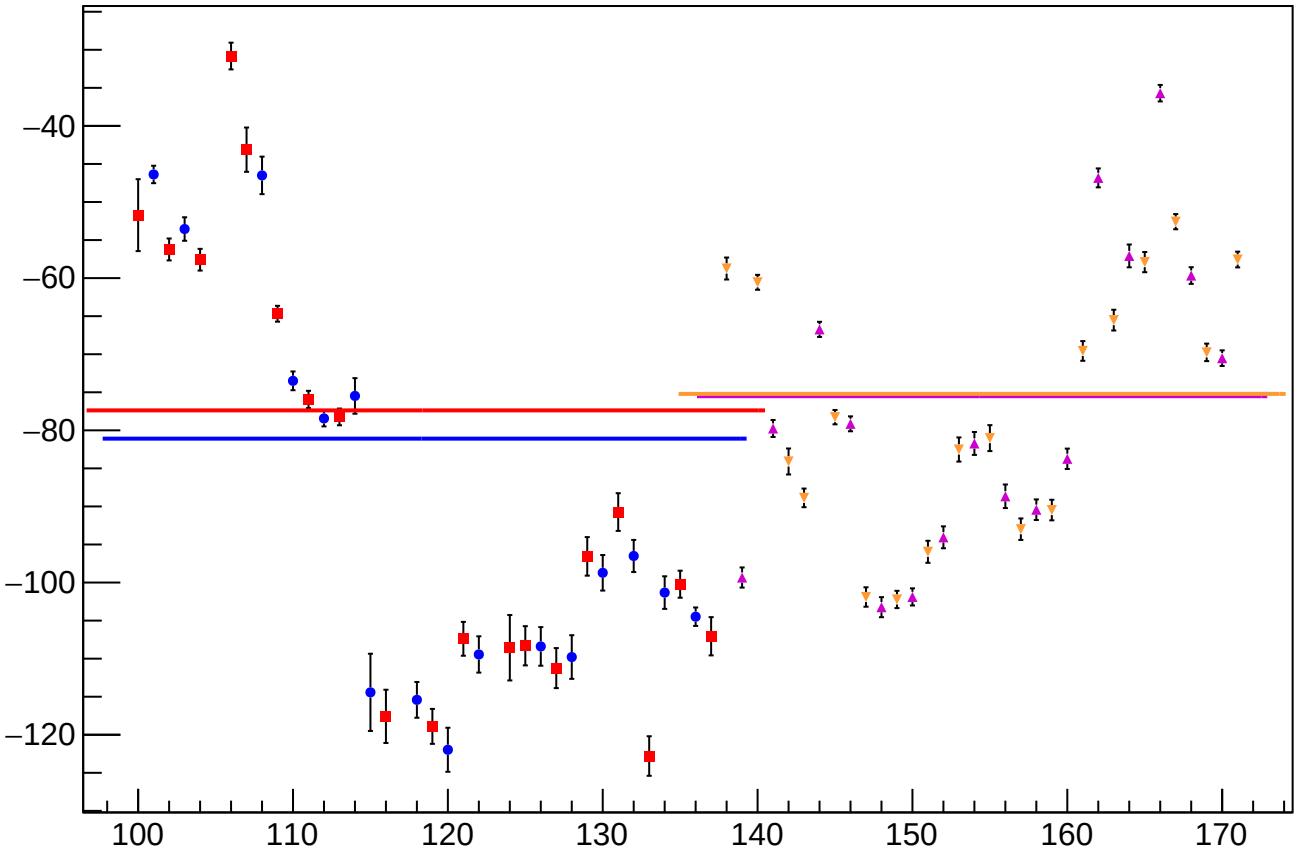
Left: -6.816+/-0.151 χ^2/NDF: 3817.8/33

Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.507+/-0.195 χ^2/NDF:3914.0/31

Out: -6.448+/-0.187 χ^2/NDF:3587.2/36

All: -6.476+/-0.135 χ^2/NDF: 7501.3/68



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: -75.517+/-0.302 χ^2/NDF:4100.8/15

Left: -75.360+/-0.210 χ^2/NDF: 7209.9/33

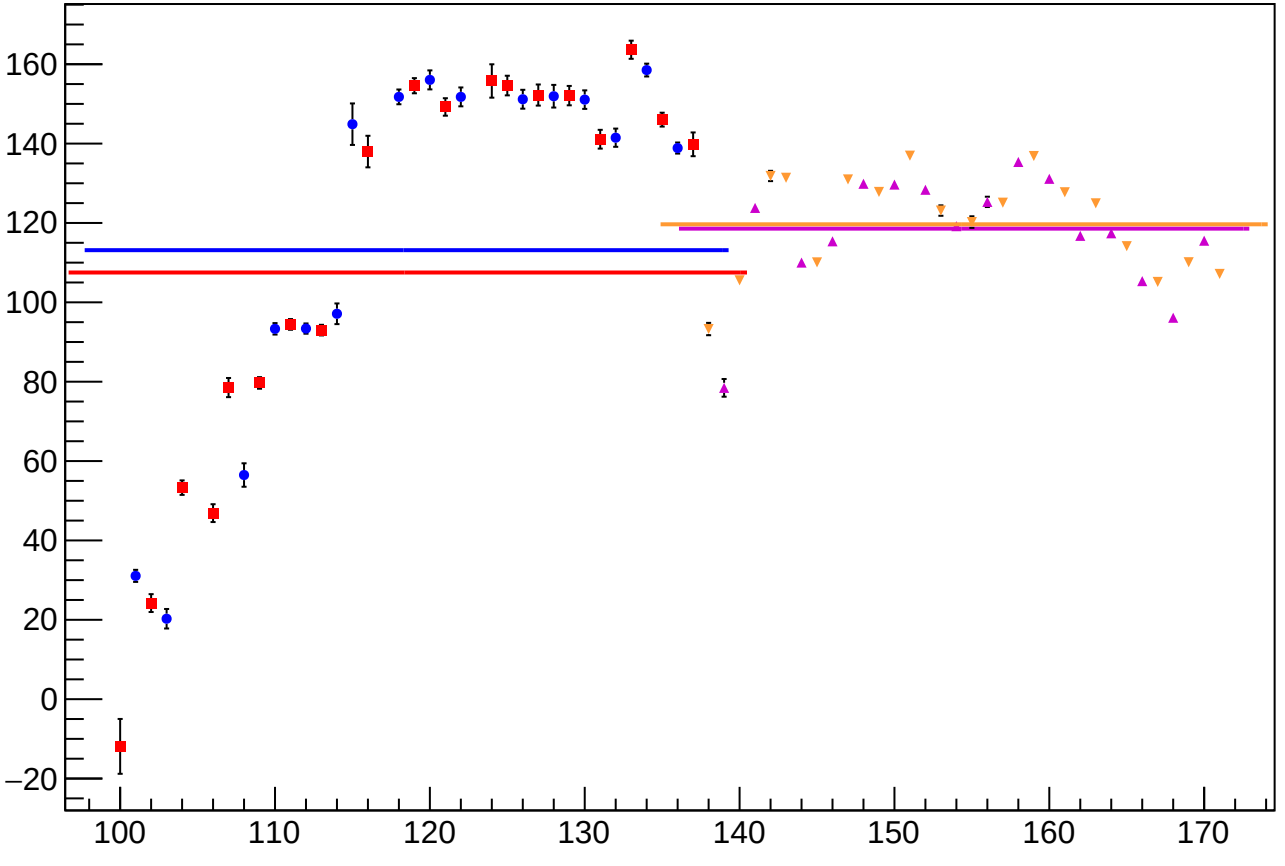
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -77.312+/-0.249 χ^2/NDF:7080.7/31

Out: -75.927+/-0.239 χ^2/NDF:6256.3/36

All: -76.593+/-0.172 χ^2/NDF: 13353.2/68

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: 118.570+/-0.252 χ^2/NDF:1983.8/15

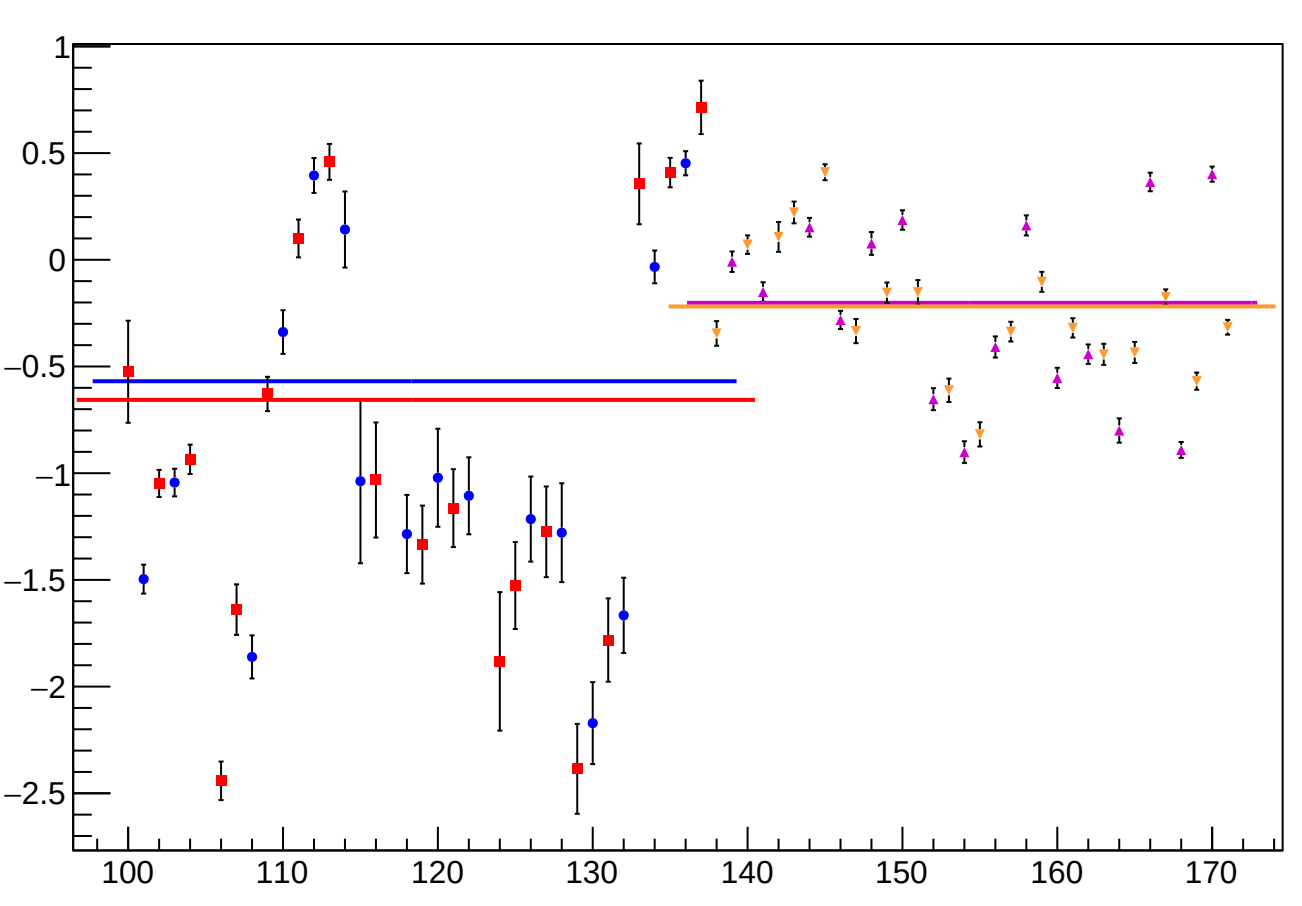
Left: 119.139+/-0.174 χ^2/NDF: 4397.6/33

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 117.432+/-0.224 χ^2/NDF:10285.2/31

Out: 117.206+/-0.216 χ^2/NDF:10460.3/36

All: 117.315+/-0.155 χ^2/NDF: 20746.1/68



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: -0.202+/-0.011 χ^2/NDF:1520.0/15

Left: -0.210+/-0.008 χ^2/NDF: 2262.7/33

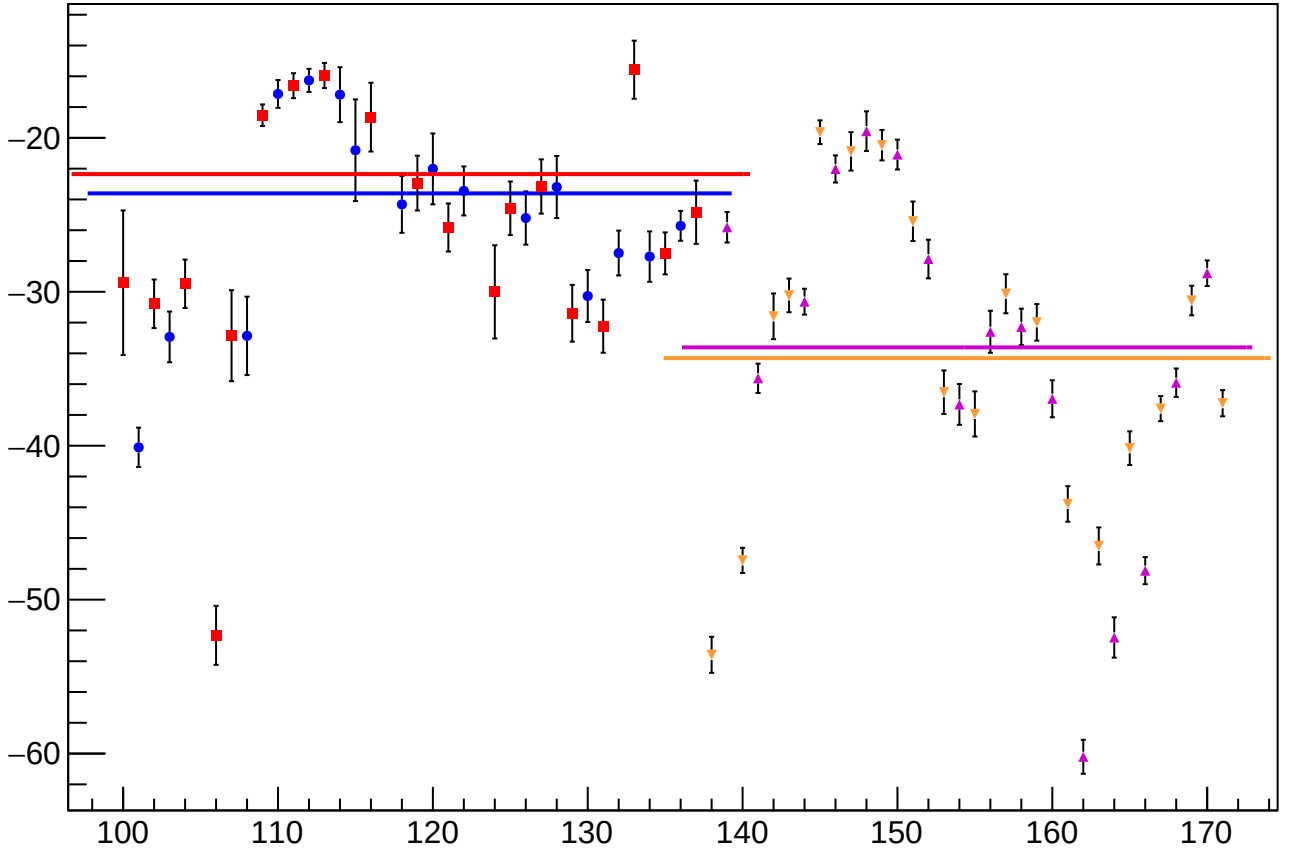
Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.262+/-0.010 χ^2/NDF:2787.4/31

Out: -0.289+/-0.010 χ^2/NDF:2310.1/36

All: -0.275+/-0.007 χ^2/NDF: 5100.9/68

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: -33.611+/-0.259 χ^2/NDF:1675.3/15

Left: -33.972+/-0.180 χ^2/NDF: 3213.7/33

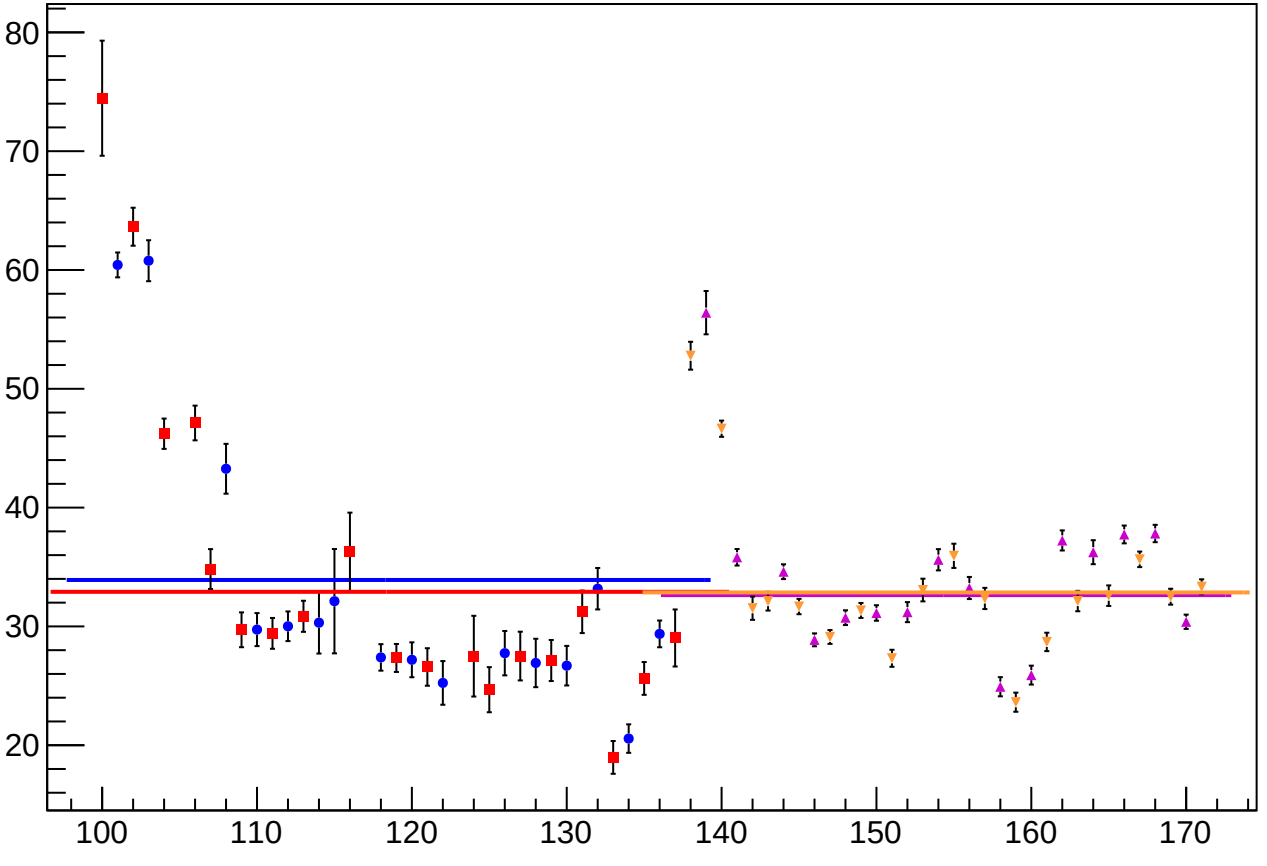
Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -30.056+/-0.208 χ^2/NDF:2613.5/31

Out: -29.810+/-0.197 χ^2/NDF:2947.3/36

All: -29.927+/-0.143 χ^2/NDF: 5561.5/68

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: 32.636+/-0.186 χ^2/NDF:594.4/15

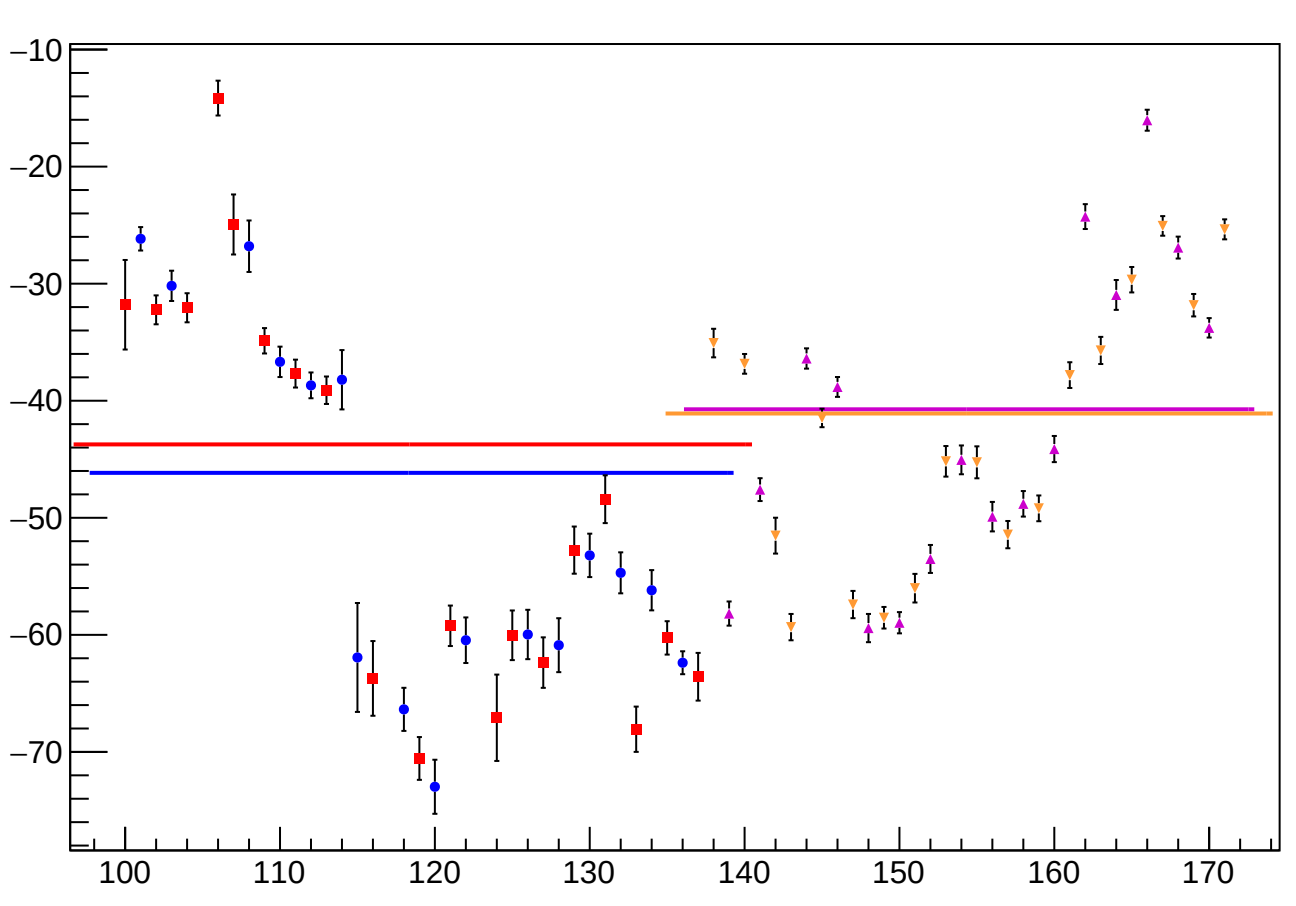
Left: 32.752+/-0.128 χ^2/NDF: 1594.6/33

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 32.887+/-0.166 χ^2/NDF:1788.1/31

Out: 32.868+/-0.161 χ^2/NDF:1874.4/36

All: 32.877+/-0.116 χ^2/NDF: 3662.5/68



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: -40.732+/-0.253 χ^2/NDF:2599.9/15

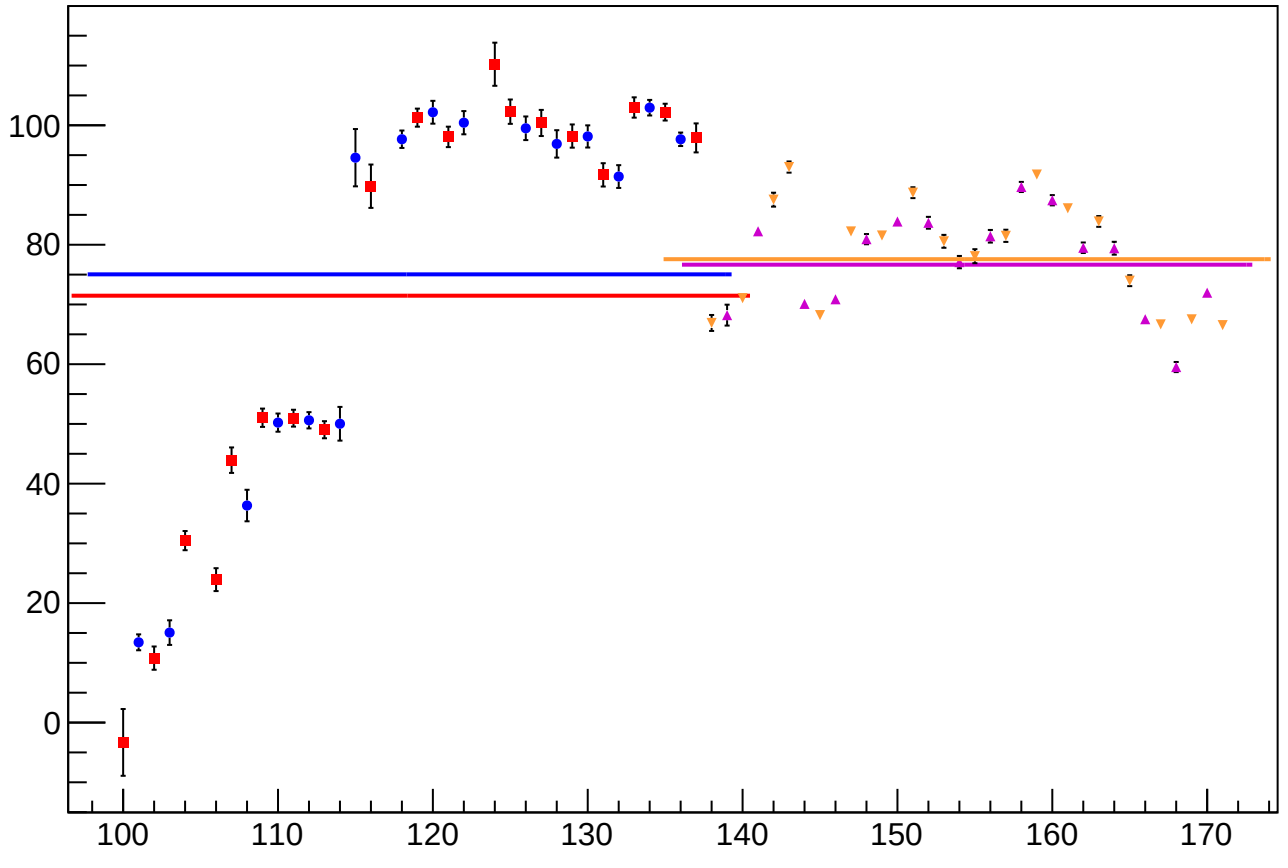
Left: -40.917+/-0.177 χ^2/NDF: 4756.2/33

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -42.344+/-0.212 χ^2/NDF:4225.8/31

Out: -41.877+/-0.206 χ^2/NDF:3852.8/36

All: -42.104+/-0.148 χ^2/NDF: 8081.1/68



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: 76.661+/-0.213 χ^2/NDF:1412.8/15

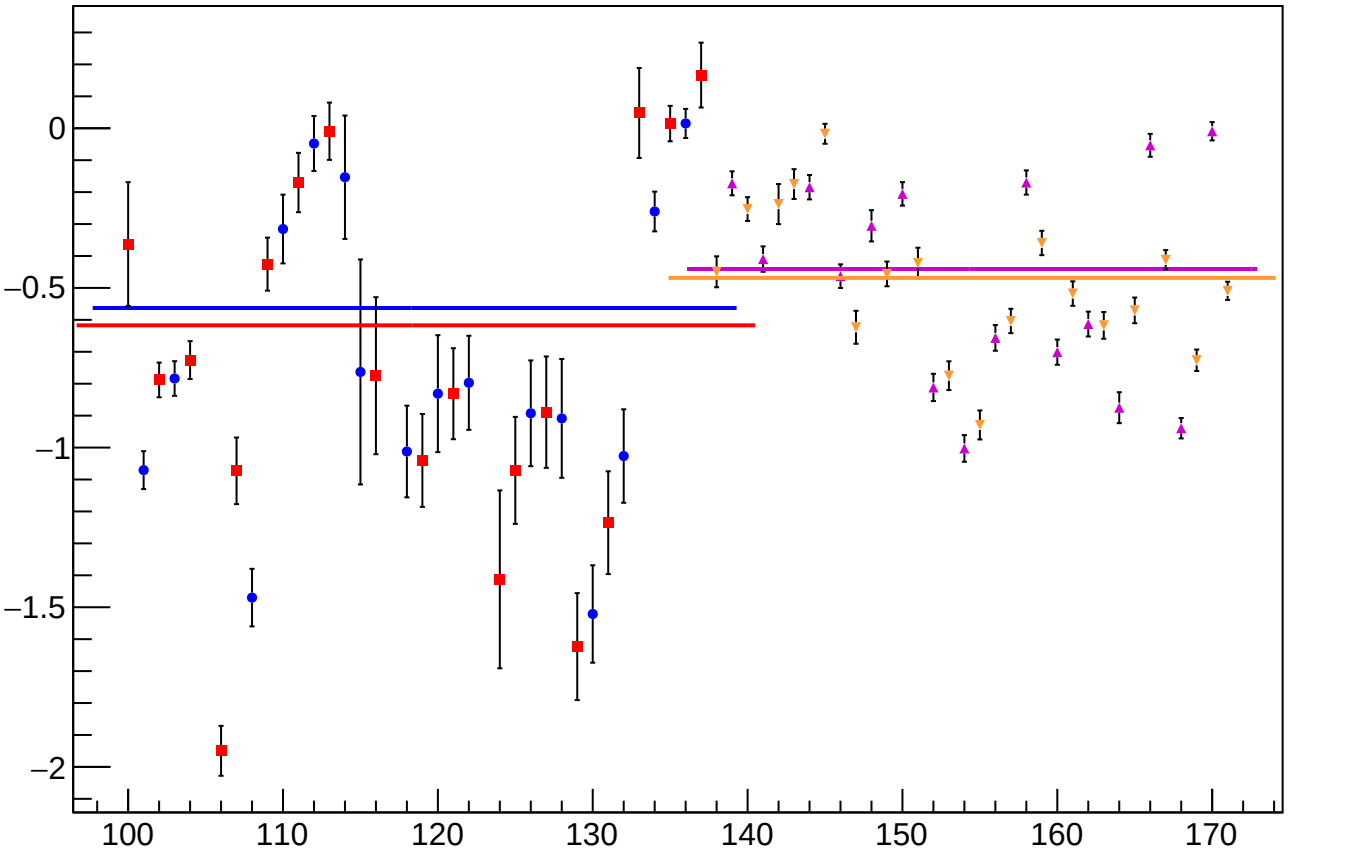
Left: 77.140+/-0.147 χ^2/NDF: 3407.4/33

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 76.339+/-0.190 χ^2/NDF:7252.6/31

Out: 76.436+/-0.184 χ^2/NDF:7780.6/36

All: 76.389+/-0.132 χ^2/NDF: 15033.4/68



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: -0.441+/-0.010 χ^2/NDF:1212.8/15

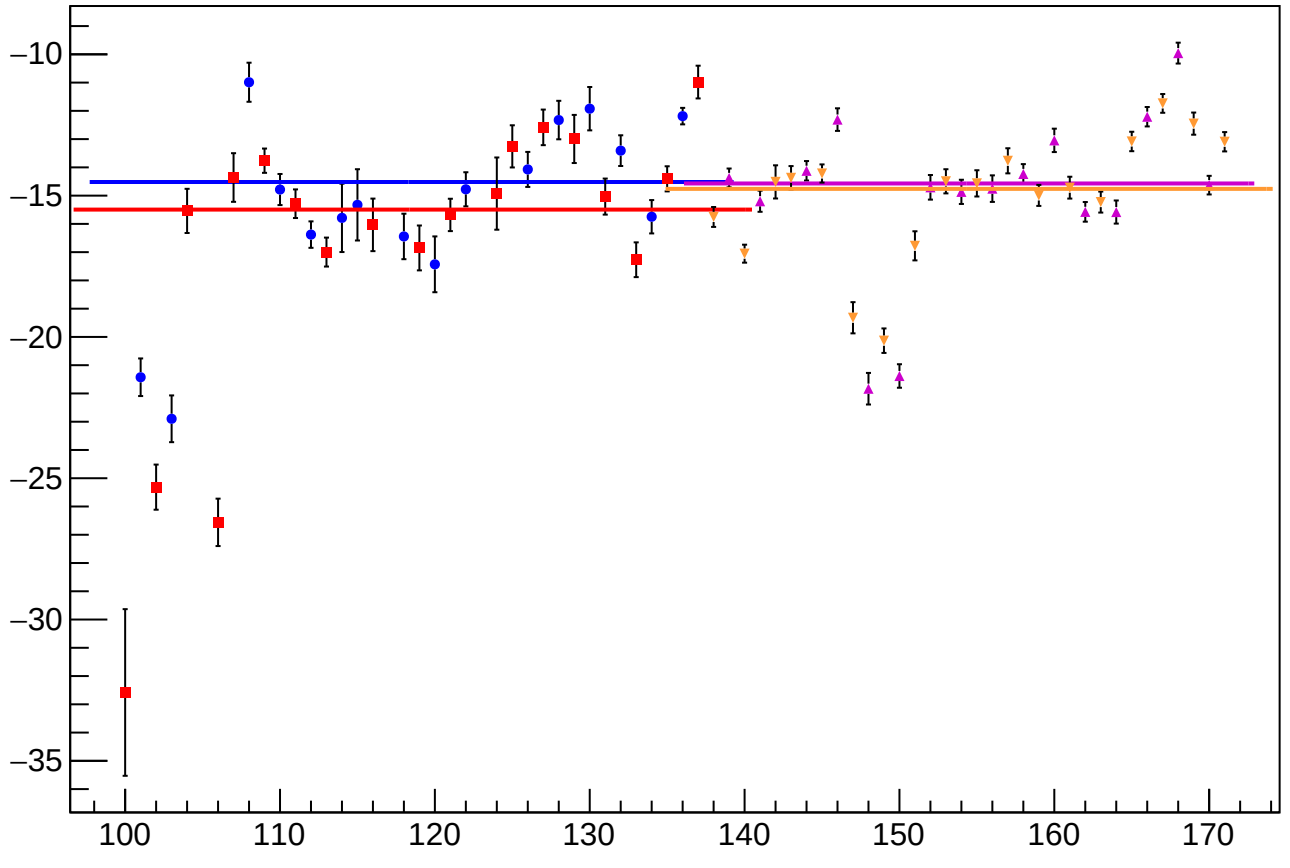
Left: -0.455+/-0.007 χ^2/NDF: 1778.0/33

Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.460+/-0.009 χ^2/NDF:1731.3/31

Out: -0.490+/-0.009 χ^2/NDF:1289.1/36

All: -0.475+/-0.006 χ^2/NDF: 3026.8/68



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: -14.570+/-0.096 χ^2/NDF:707.0/15

Left: -14.669+/-0.067 χ^2/NDF: 1183.2/33

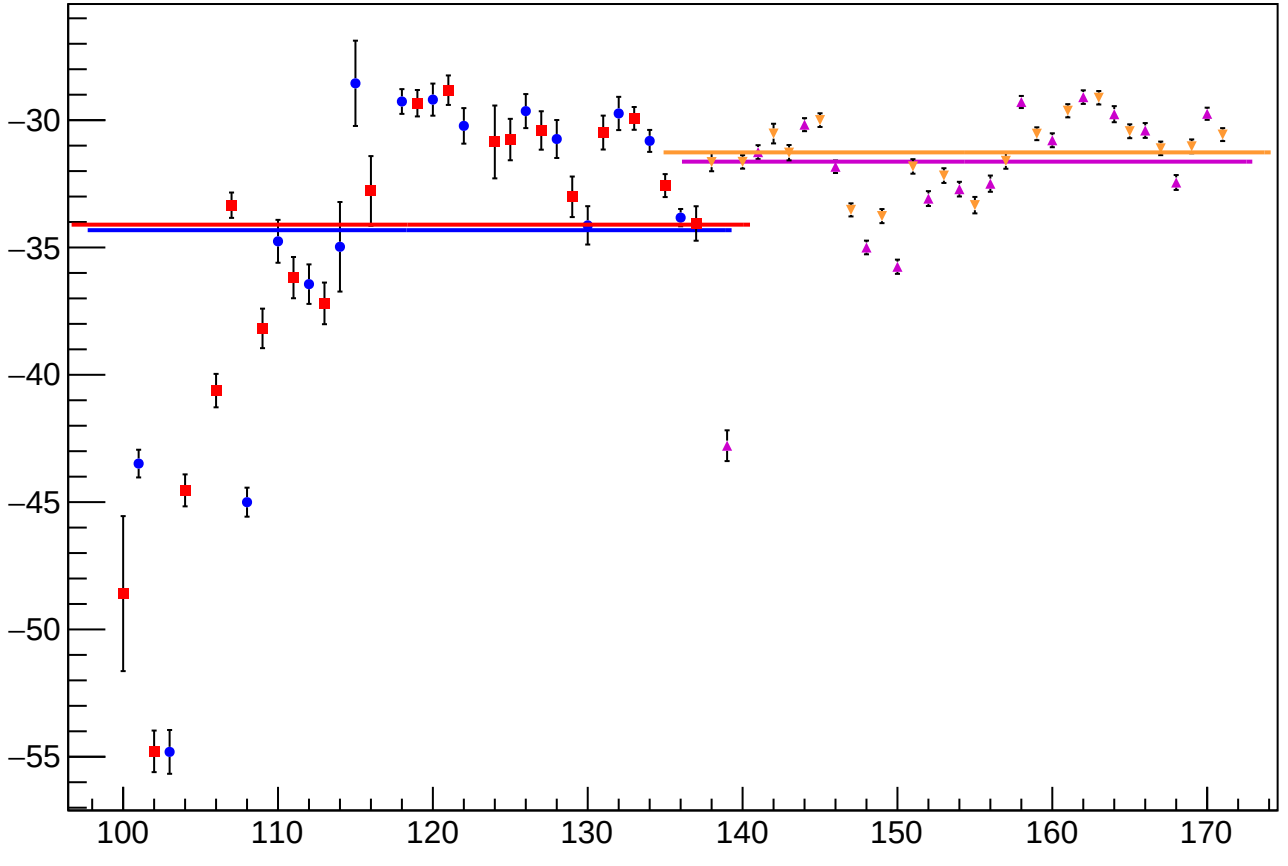
Right: -15.004+/-0.106 χ^2/NDF: 888.5/34

In: -14.554+/-0.081 χ^2/NDF:1070.5/31

Out: -14.962+/-0.079 χ^2/NDF:995.3/36

All: -14.764+/-0.056 χ^2/NDF: 2078.9/68

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.265+/-0.066 χ^2/NDF:375.3/17

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.629+/-0.070 χ^2/NDF:1115.9/15

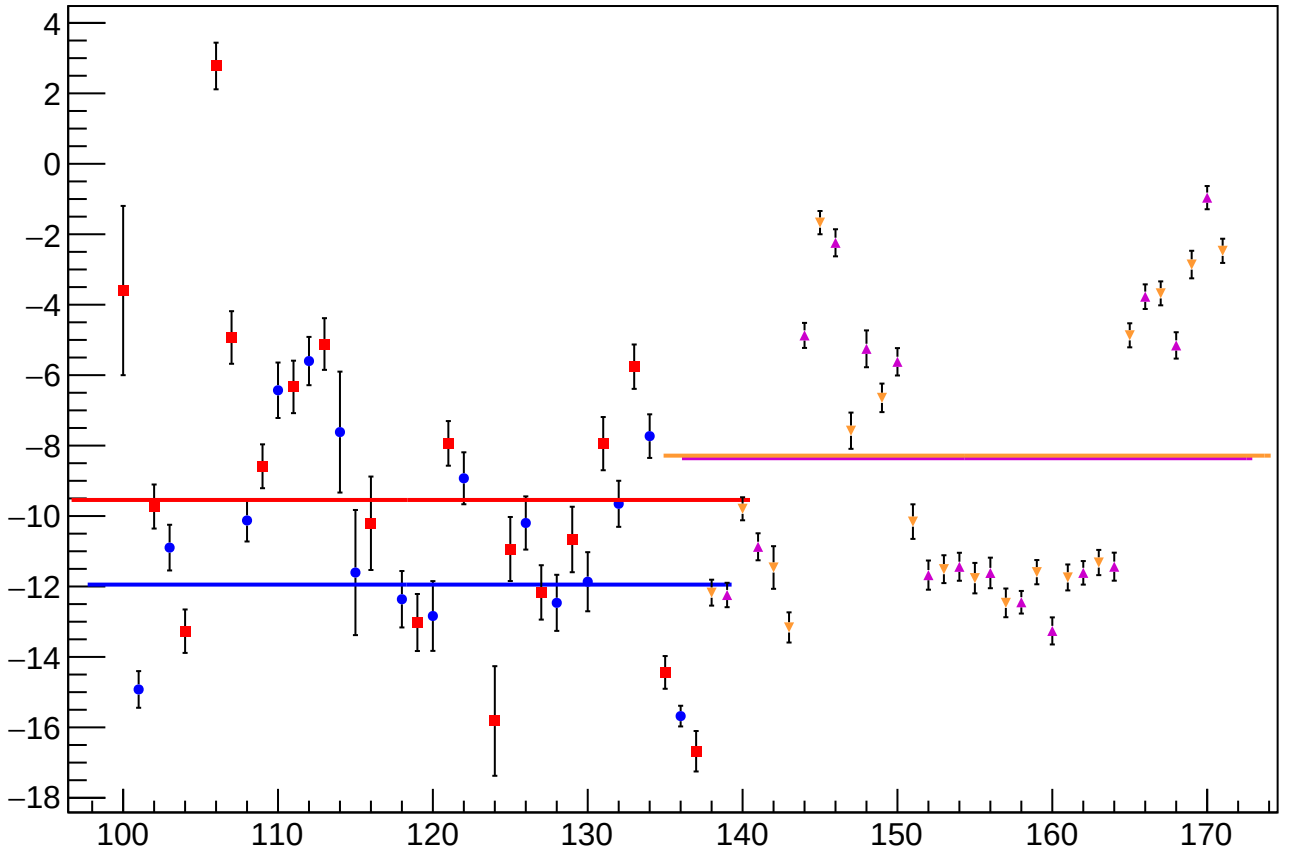
Left: -31.437+/-0.048 χ^2/NDF: 1505.5/33

Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -32.094+/-0.064 χ^2/NDF:2991.6/31

Out: -31.709+/-0.061 χ^2/NDF:2096.3/36

All: -31.893+/-0.044 χ^2/NDF: 5107.0/68



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: -8.359+/-0.094 χ^2/NDF:2012.4/15

Left: -8.321+/-0.065 χ^2/NDF: 3988.8/33

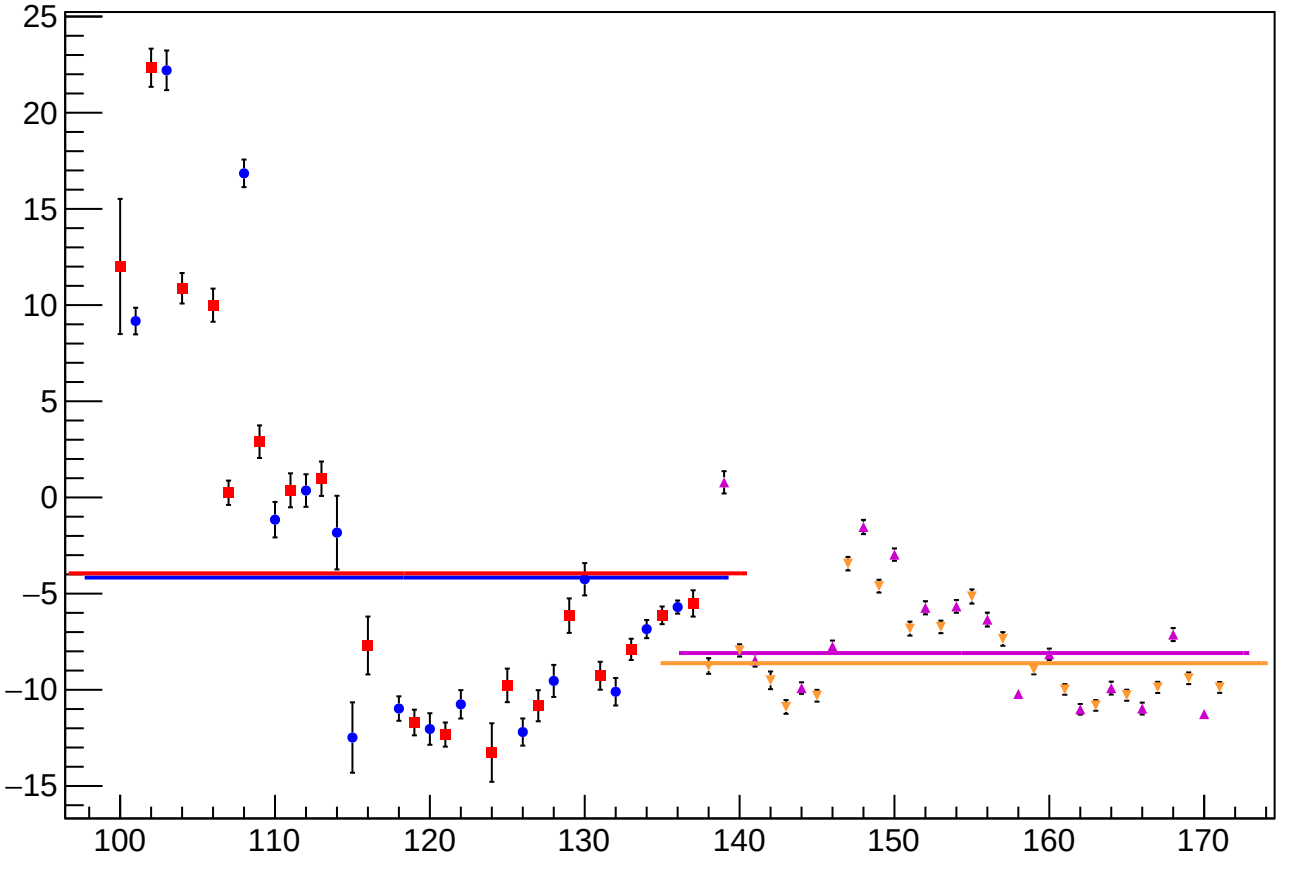
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -9.274+/-0.081 χ^2/NDF:2816.2/31

Out: -8.576+/-0.079 χ^2/NDF:2867.8/36

All: -8.919+/-0.057 χ^2/NDF: 5721.9/68

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: -8.090+/-0.079 χ^2/NDF:1419.2/15

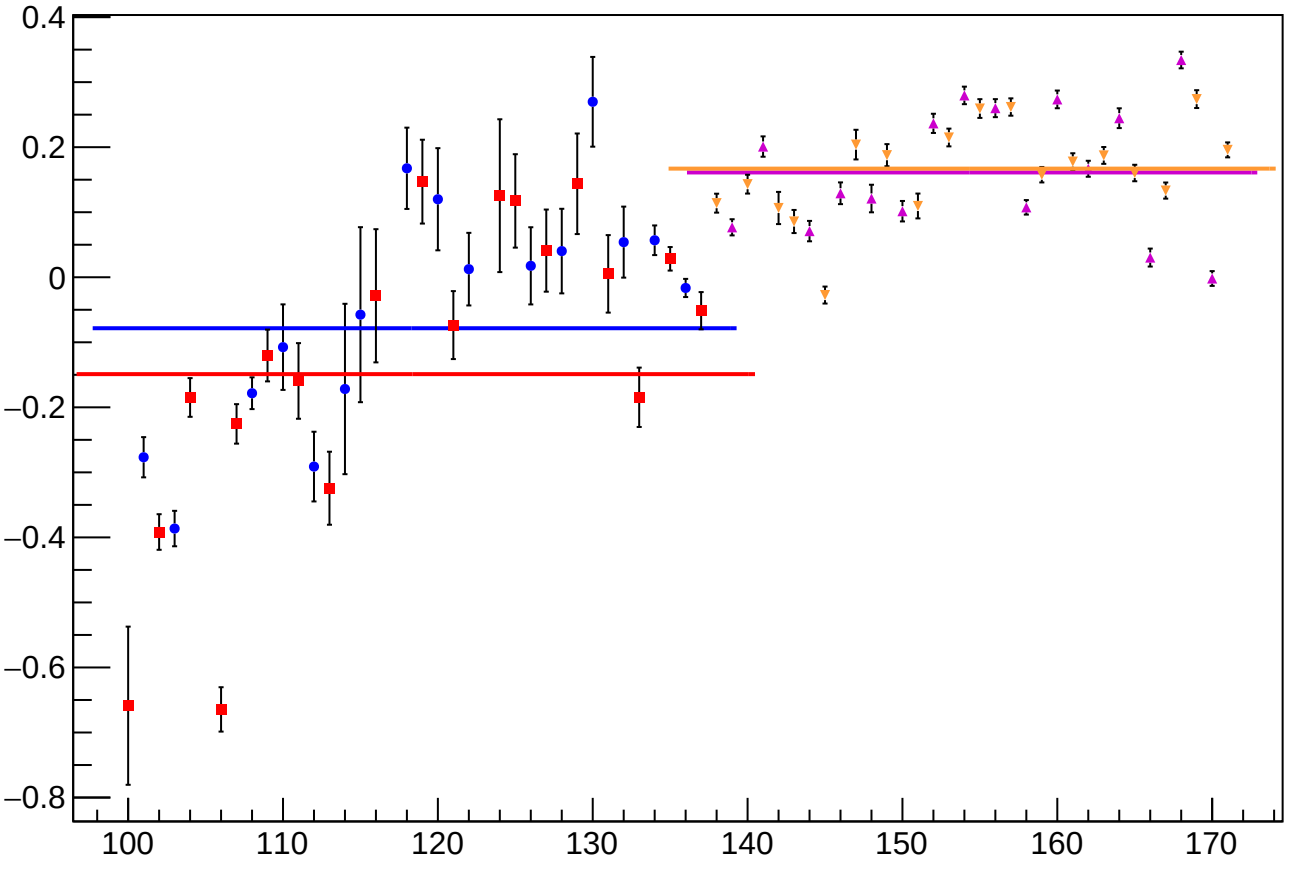
Left: -8.366+/-0.055 χ^2/NDF: 2209.1/33

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.404+/-0.072 χ^2/NDF:4374.6/31

Out: -7.894+/-0.069 χ^2/NDF:3471.7/36

All: -7.658+/-0.050 χ^2/NDF: 7870.4/68



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: 0.161+/-0.003 χ^2/NDF:860.5/15

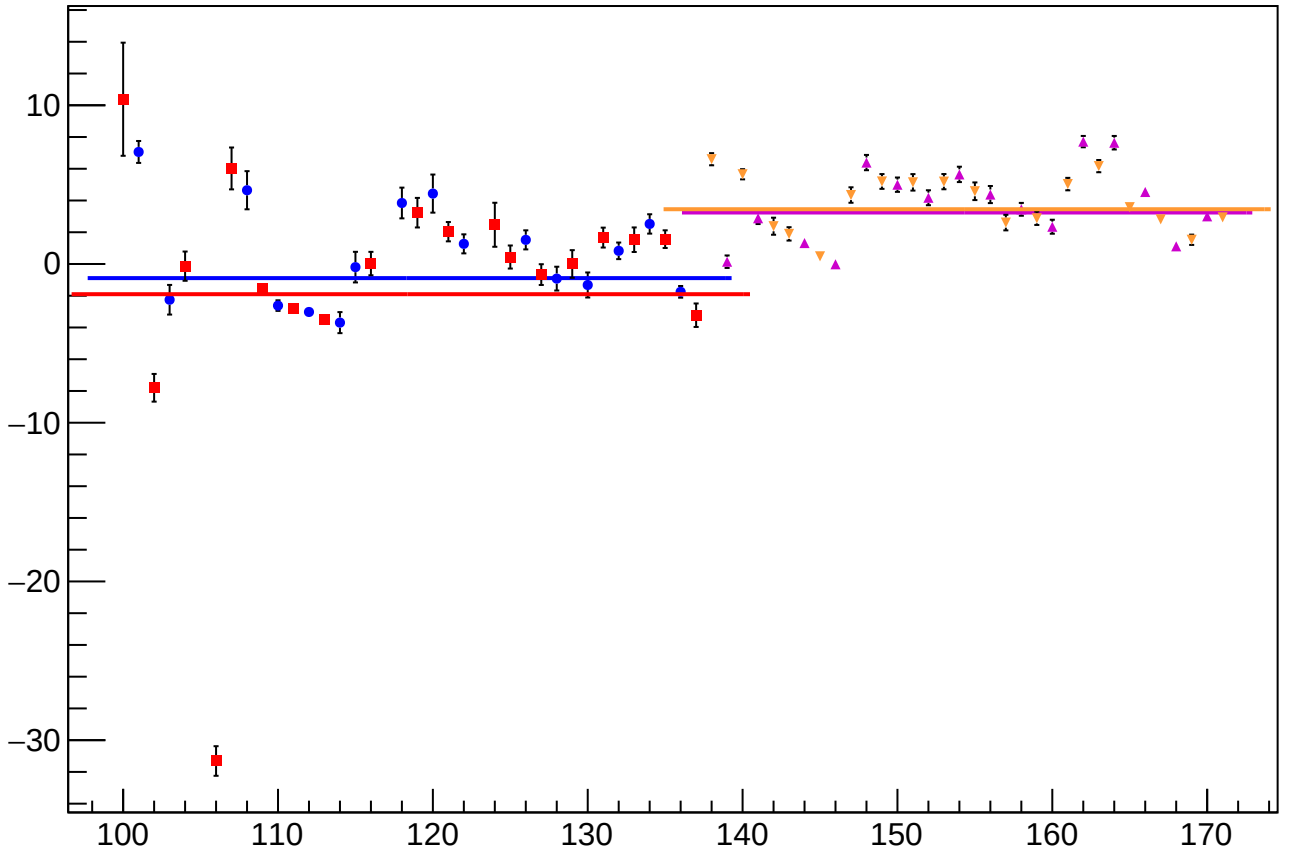
Left: 0.164+/-0.002 χ^2/NDF: 1322.8/33

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.127+/-0.003 χ^2/NDF:1850.6/31

Out: 0.129+/-0.003 χ^2/NDF:2052.5/36

All: 0.128+/-0.002 χ^2/NDF: 3903.2/68



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: 3.243+/-0.091 χ^2/NDF:659.6/15

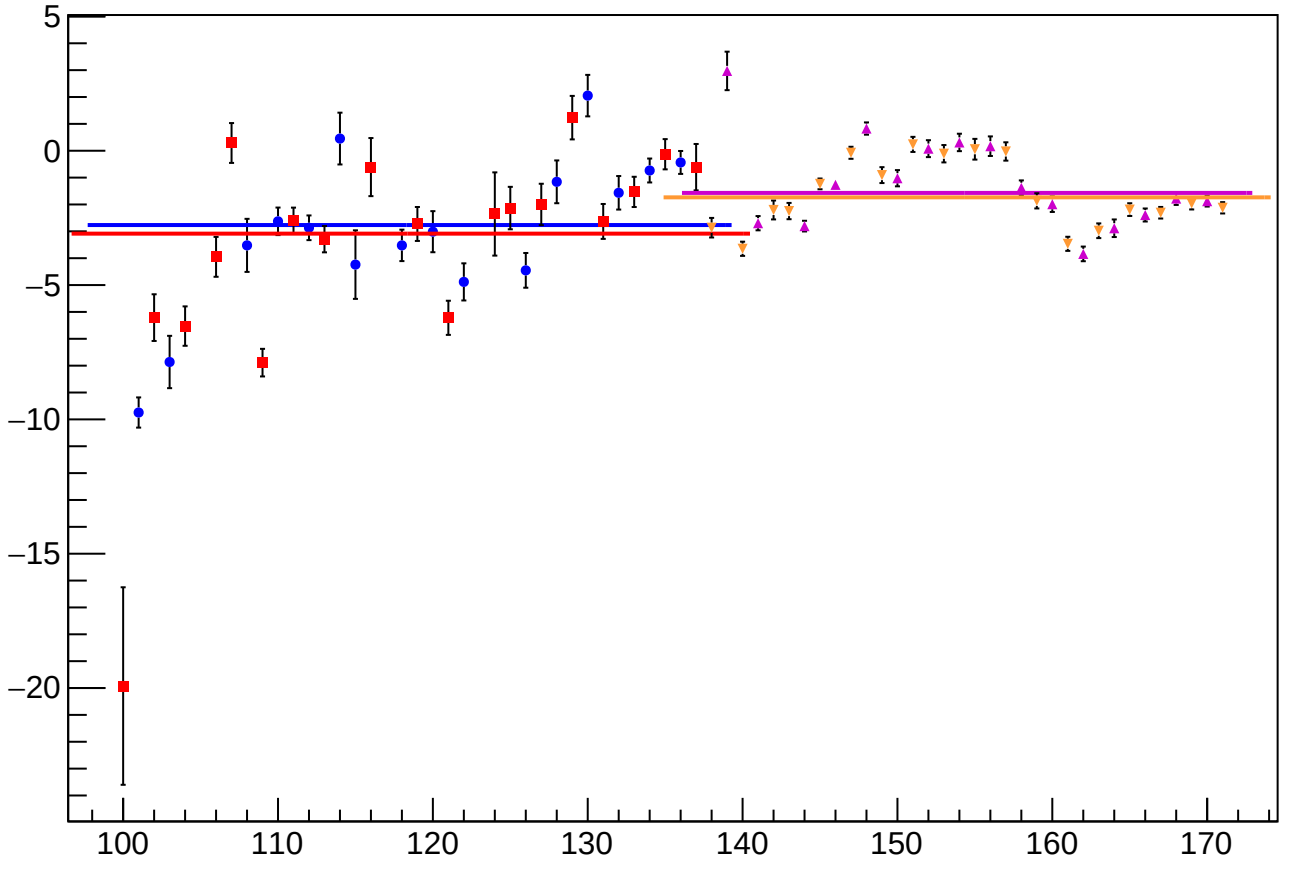
Left: 3.351+/-0.063 χ^2/NDF: 1101.7/33

Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

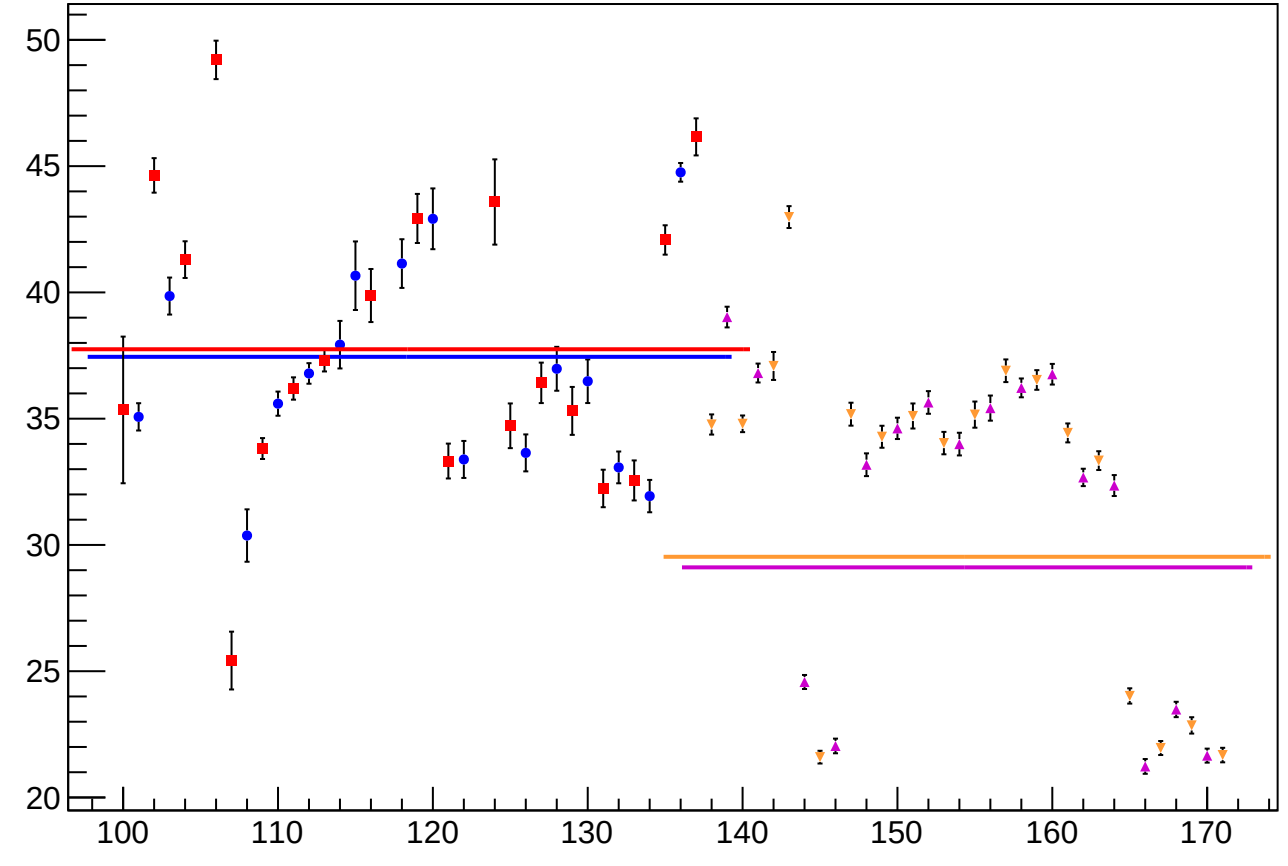
In: 1.974+/-0.076 χ^2/NDF:1674.1/31

Out: 1.760+/-0.072 χ^2/NDF:2961.3/36

All: 1.862+/-0.052 χ^2/NDF: 4639.6/68


reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
Right In: -2.766+/-0.156 χ²/NDF: 310.1/15
Left Out: -1.735+/-0.062 χ²/NDF:335.8/17
Right Out: -3.086+/-0.158 χ²/NDF: 272.5/18
Left In: -1.570+/-0.065 χ²/NDF:399.4/15
Left: -1.656+/-0.045 χ²/NDF: 738.6/33
Right: -2.925+/-0.111 χ²/NDF: 584.6/34
In: -1.745+/-0.060 χ²/NDF:759.5/31
Out: -1.919+/-0.058 χ²/NDF:671.8/36
All: -1.835+/-0.042 χ²/NDF: 1435.7/68

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: 29.112+/-0.089 χ^2/NDF:5281.0/15

Left: 29.328+/-0.062 χ^2/NDF: 11595.2/33

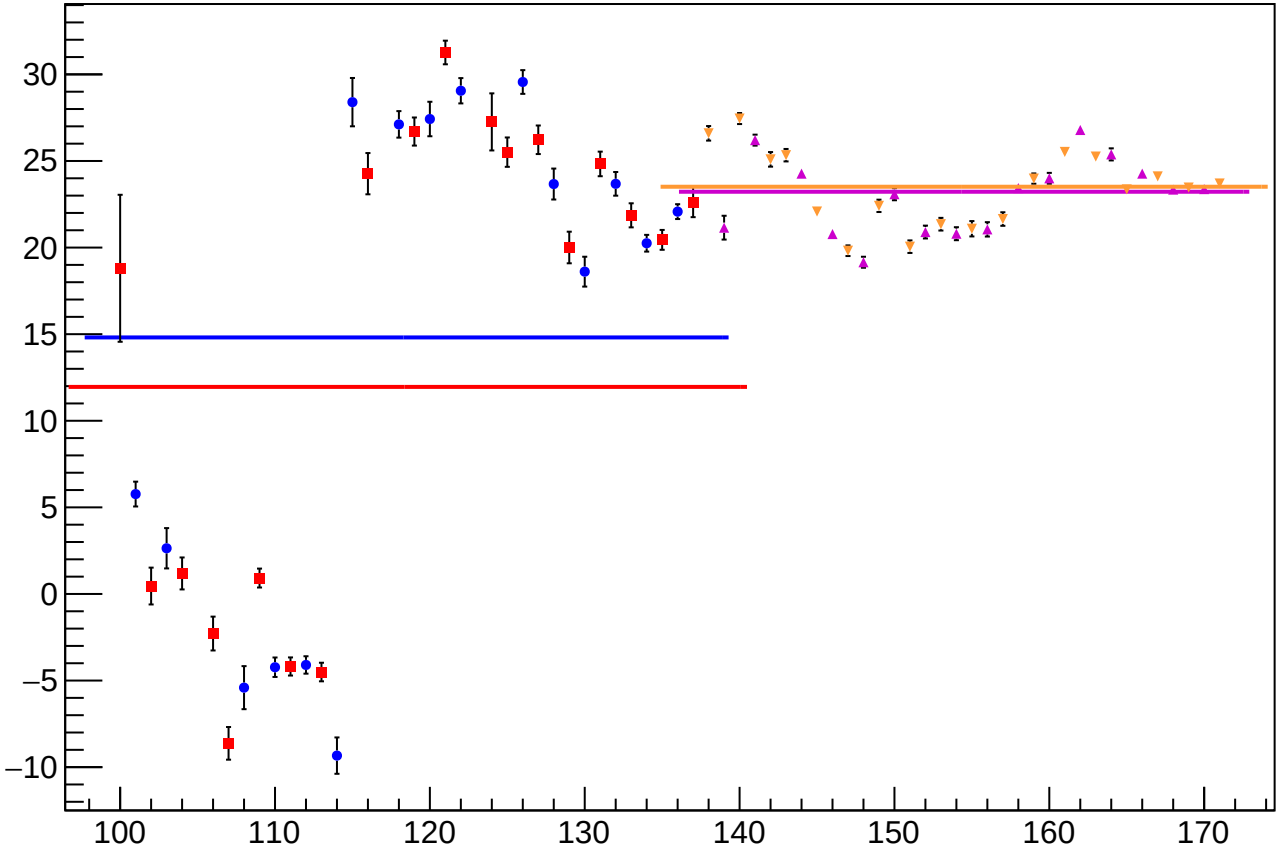
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 31.079+/-0.078 χ^2/NDF:8043.6/31

Out: 31.394+/-0.076 χ^2/NDF:9321.6/36

All: 31.241+/-0.054 χ^2/NDF: 17373.5/68

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.513+/-0.071 χ^2/NDF:715.8/17

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.224+/-0.074 χ^2/NDF:731.2/15

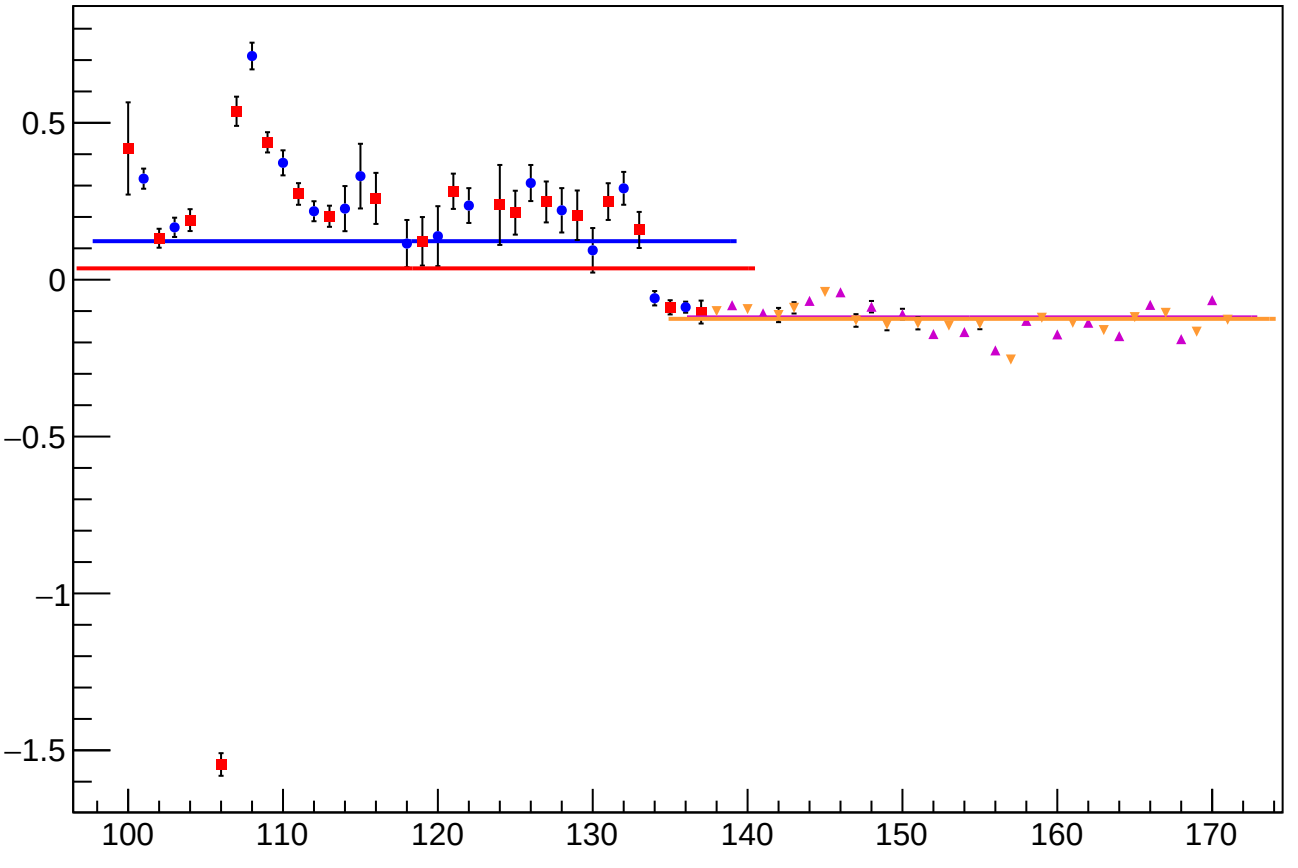
Left: 23.374+/-0.051 χ^2/NDF: 1455.0/33

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 21.925+/-0.068 χ^2/NDF:8396.6/31

Out: 21.900+/-0.066 χ^2/NDF:10497.7/36

All: 21.912+/-0.047 χ^2/NDF: 18894.4/68



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: -0.120+/-0.003 χ^2/NDF:254.7/15

Left: -0.123+/-0.002 χ^2/NDF: 447.3/33

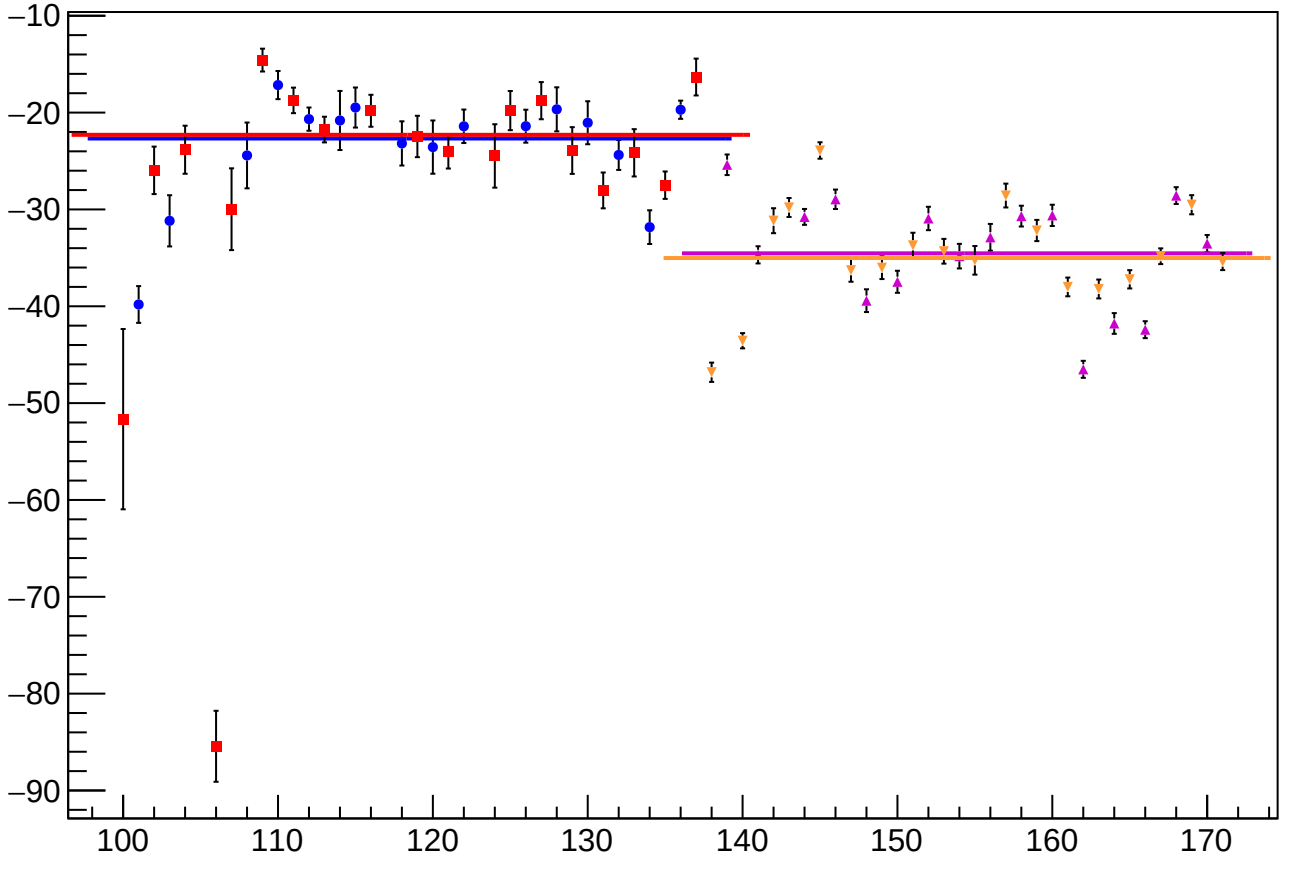
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

In: -0.093+/-0.003 χ^2/NDF:1365.8/31

Out: -0.109+/-0.003 χ^2/NDF:2850.9/36

All: -0.101+/-0.002 χ^2/NDF: 4230.7/68

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -22.675+/-0.435 χ^2/NDF: 154.4/15

Left Out: -35.019+/-0.240 χ^2/NDF:560.7/17

Right Out: -22.295+/-0.435 χ^2/NDF: 405.5/18

Left In: -34.533+/-0.252 χ^2/NDF:547.4/15

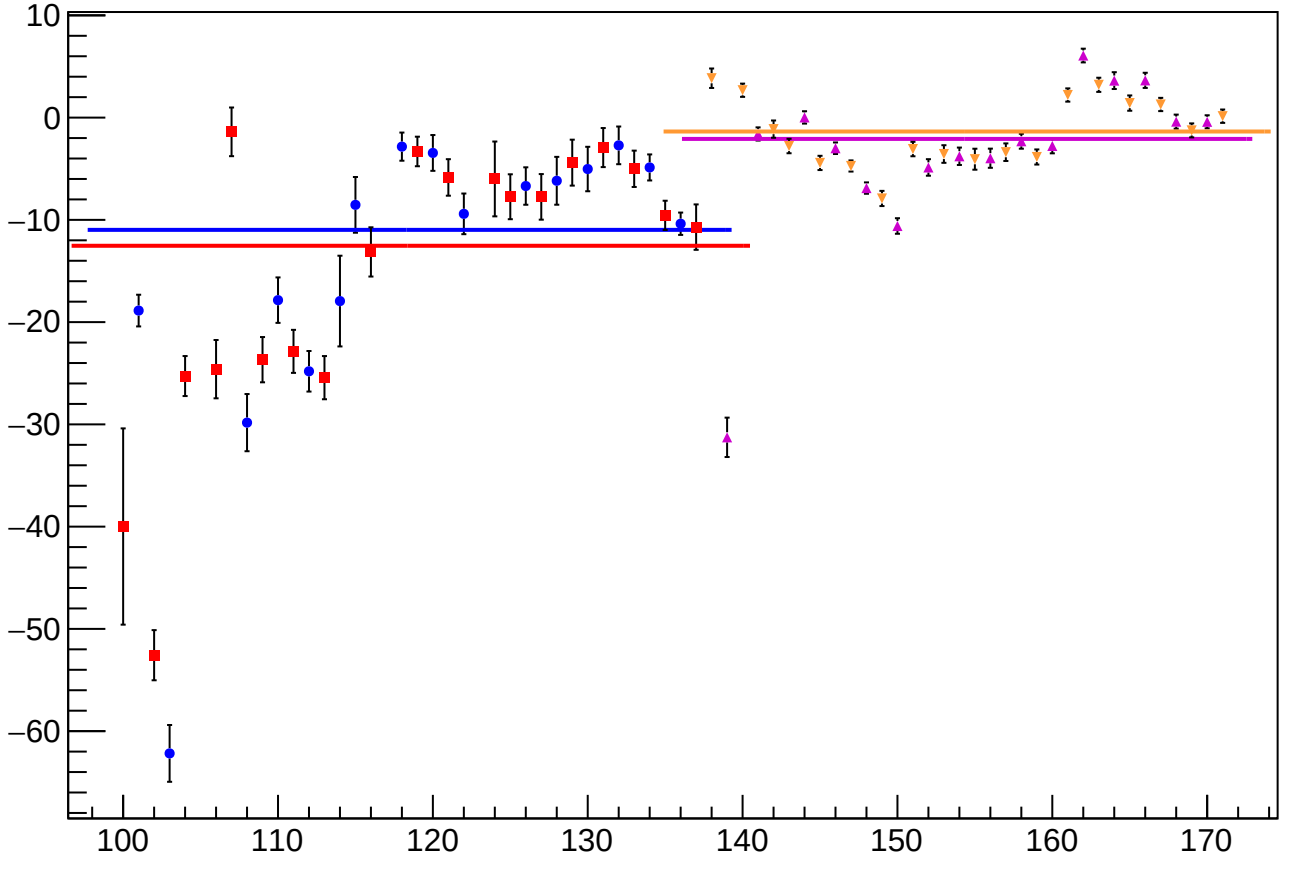
Left: -34.788+/-0.174 χ^2/NDF: 1110.0/33

Right: -22.485+/-0.307 χ^2/NDF: 560.3/34

In: -31.548+/-0.218 χ^2/NDF:1259.1/31

Out: -32.045+/-0.210 χ^2/NDF:1621.3/36

All: -31.805+/-0.151 χ^2/NDF: 2883.1/68



Right In: -10.978+/-0.453 χ^2/NDF: 587.3/15

Left Out: -1.359+/-0.170 χ^2/NDF:353.8/17

Right Out: -12.533+/-0.481 χ^2/NDF: 572.3/18

Left In: -2.084+/-0.178 χ^2/NDF:734.3/15

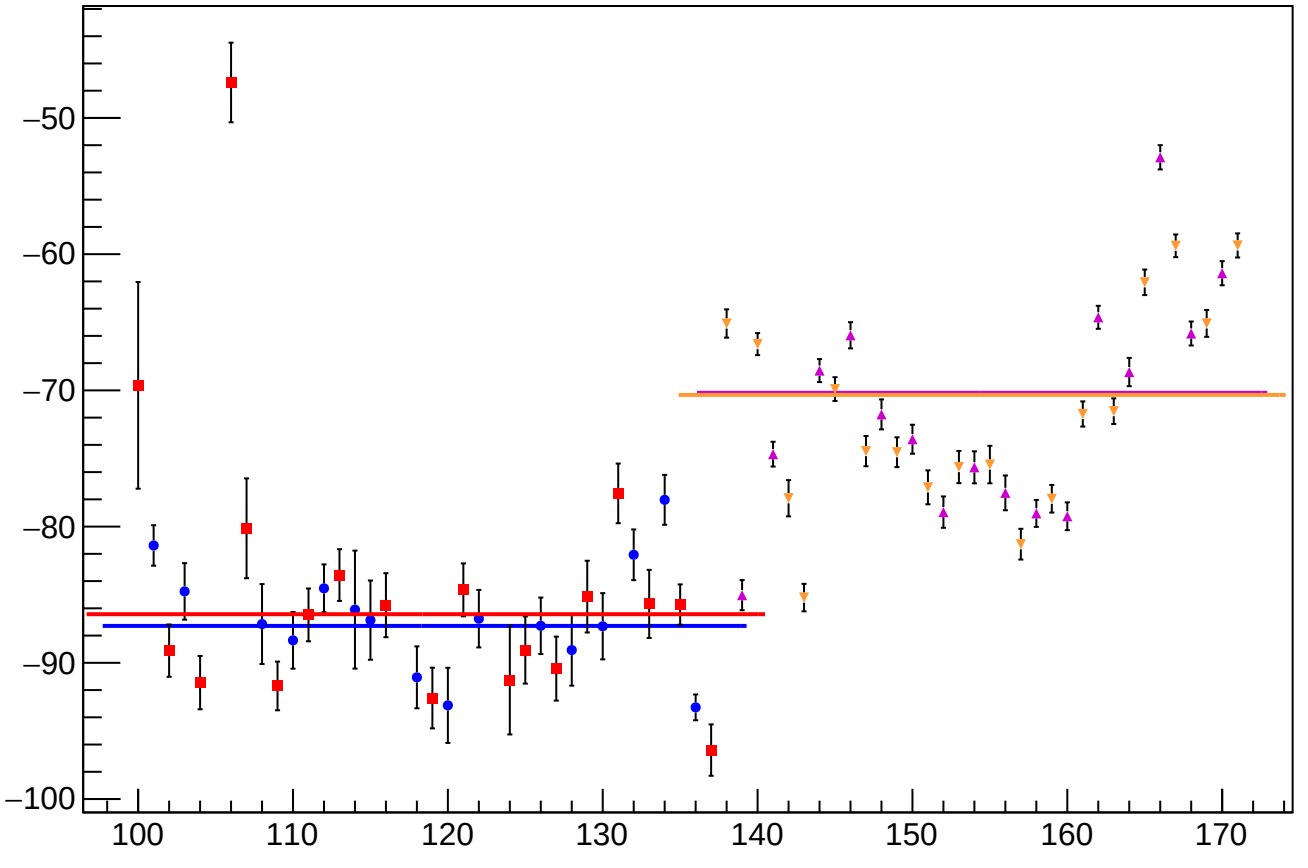
Left: -1.703+/-0.123 χ^2/NDF: 1096.8/33

Right: -11.710+/-0.330 χ^2/NDF: 1165.1/34

In: -3.276+/-0.166 χ^2/NDF:1654.9/31

Out: -2.595+/-0.160 χ^2/NDF:1405.9/36

All: -2.923+/-0.115 χ^2/NDF: 3069.5/68



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: -70.178+/-0.247 χ^2/NDF:1056.7/15

Left: -70.258+/-0.171 χ^2/NDF: 2033.5/33

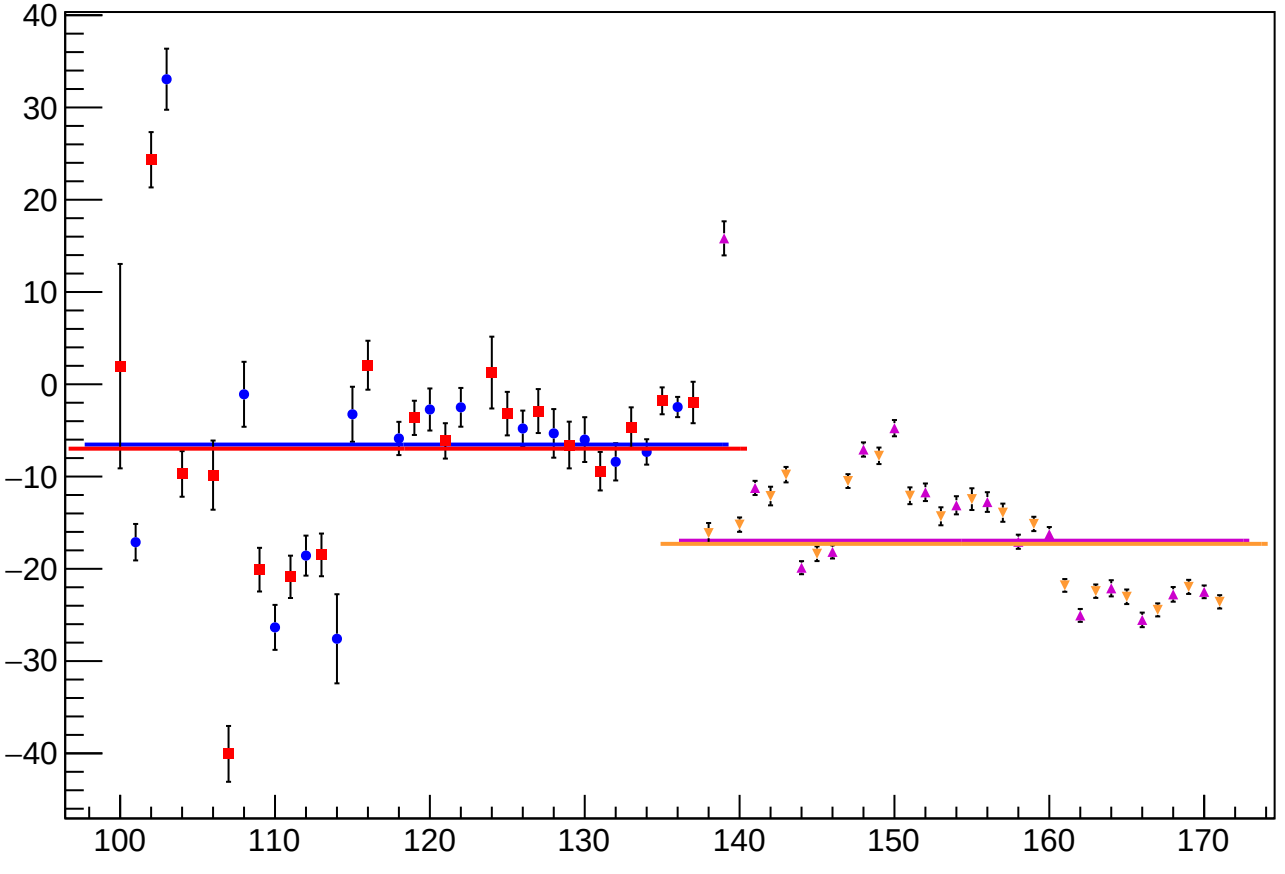
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -73.744+/-0.219 χ^2/NDF:2161.6/31

Out: -73.230+/-0.215 χ^2/NDF:2071.7/36

All: -73.482+/-0.153 χ^2/NDF: 4236.1/68

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: -16.953+/-0.205 χ^2/NDF:1211.0/15

Left: -17.133+/-0.141 χ^2/NDF: 1963.0/33

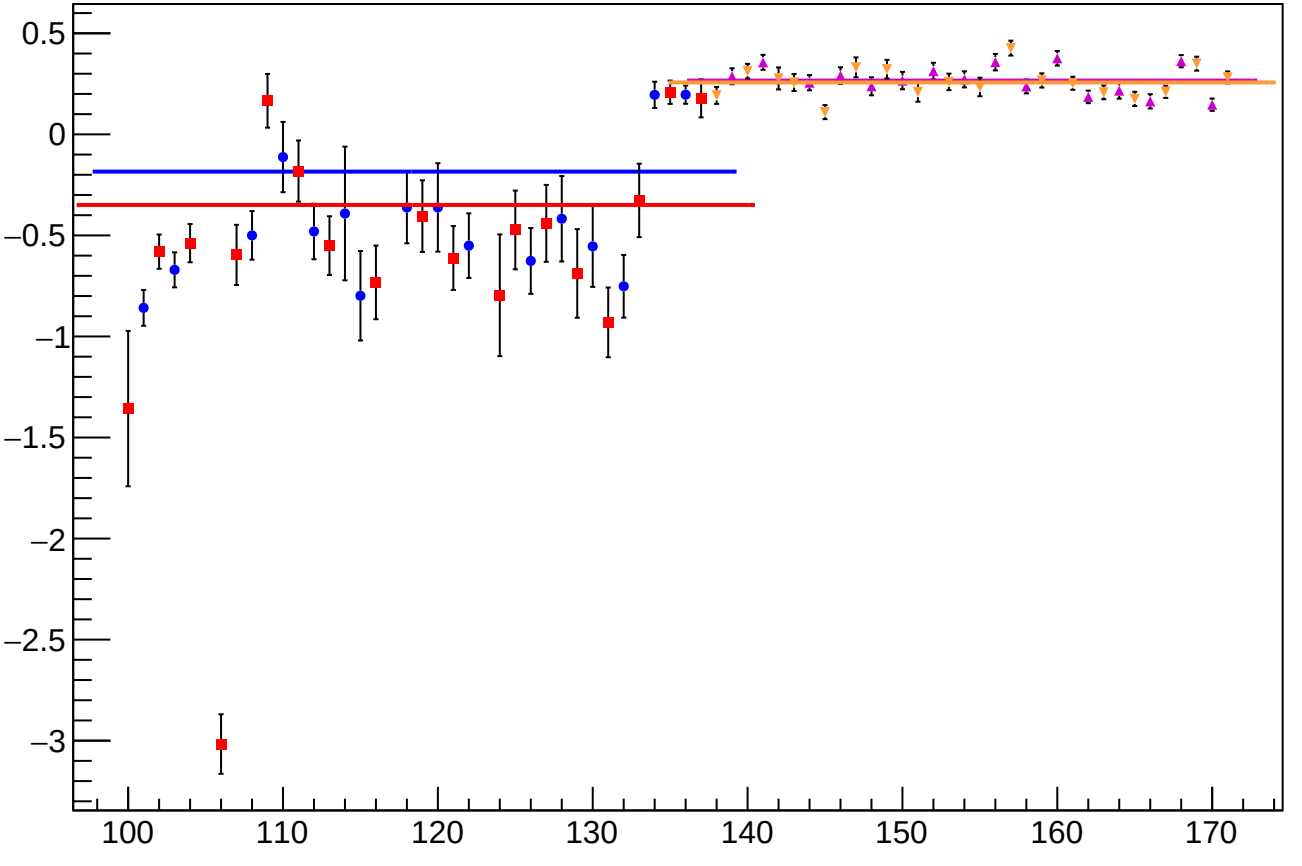
Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -15.494+/-0.190 χ^2/NDF:1886.8/31

Out: -16.113+/-0.183 χ^2/NDF:1440.0/36

All: -15.814+/-0.132 χ^2/NDF: 3332.2/68

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:65.2/15

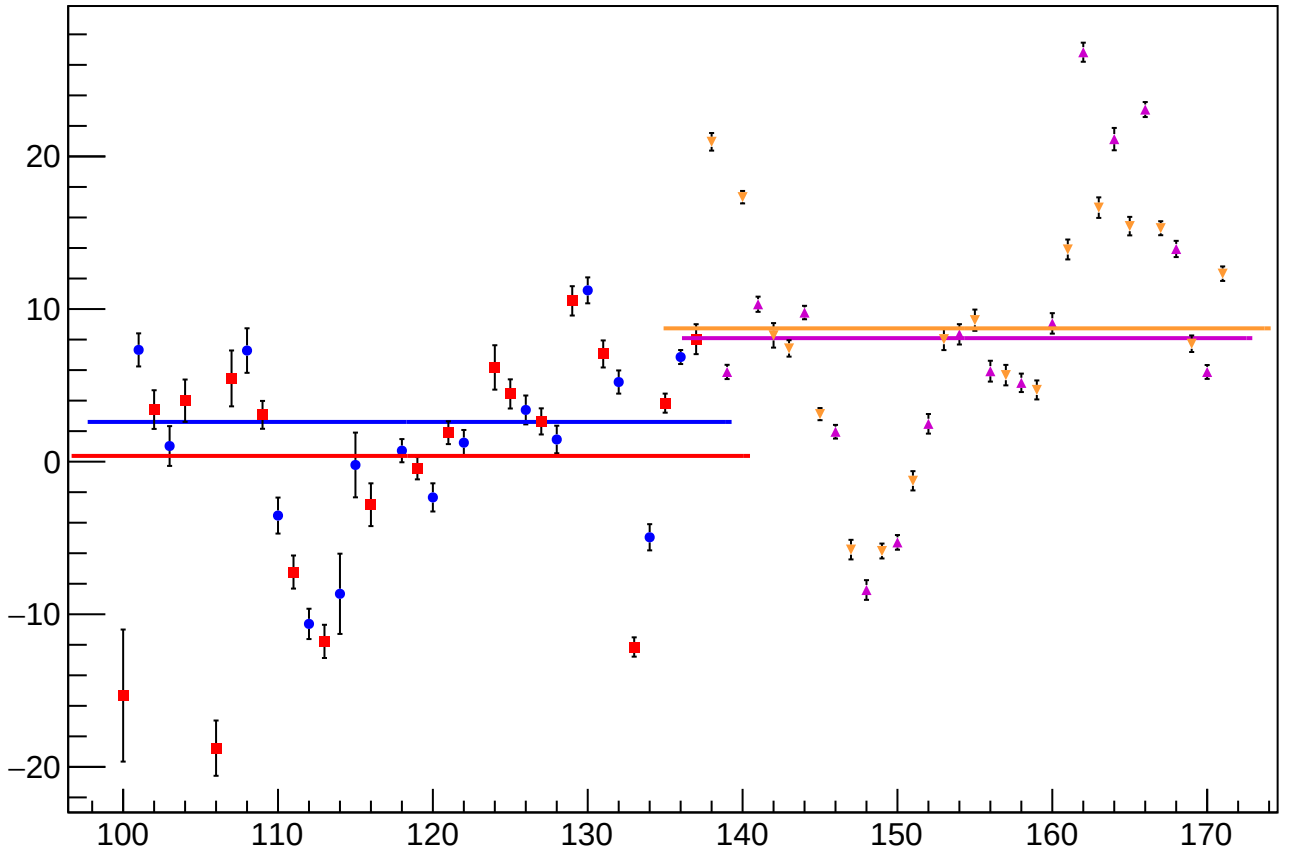
Left: 0.261+/-0.006 χ^2/NDF: 133.1/33

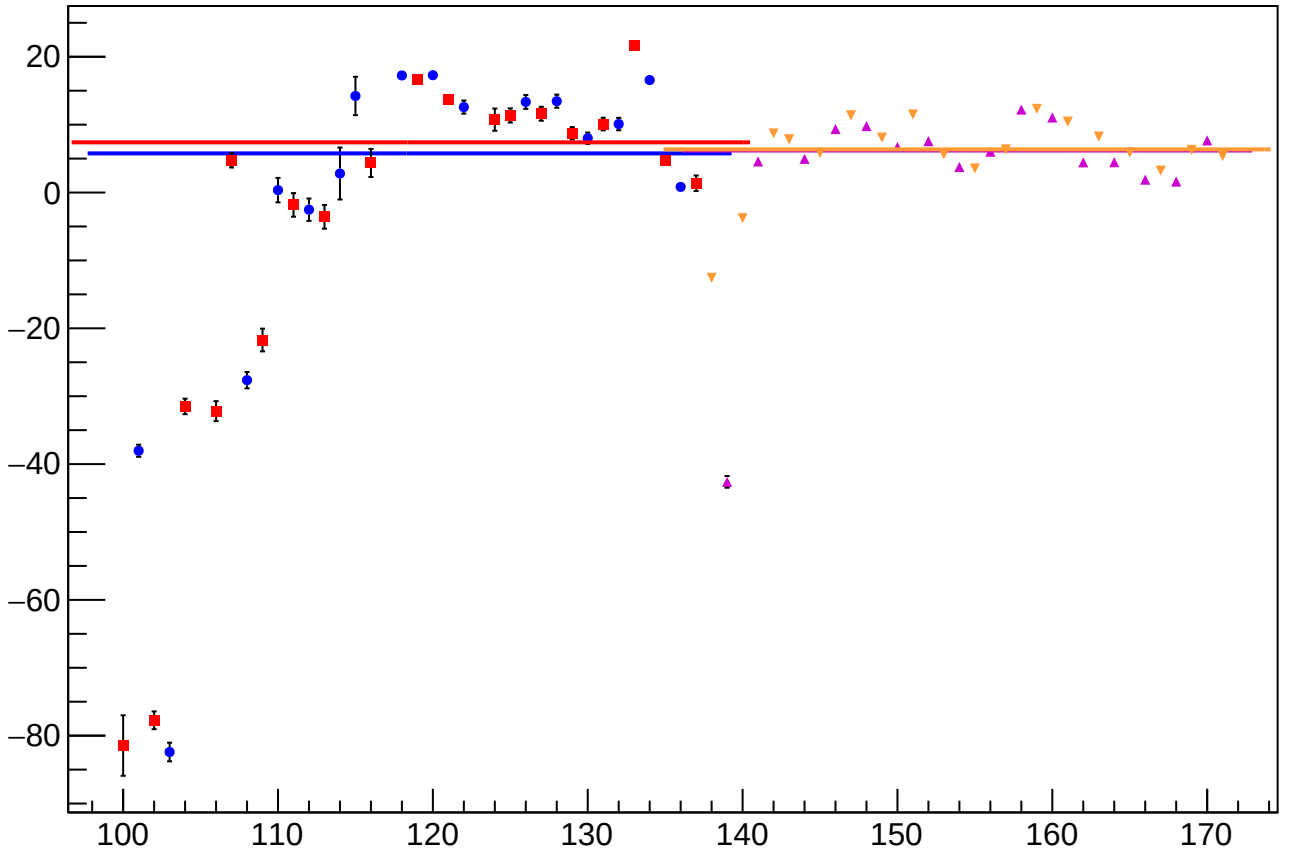
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

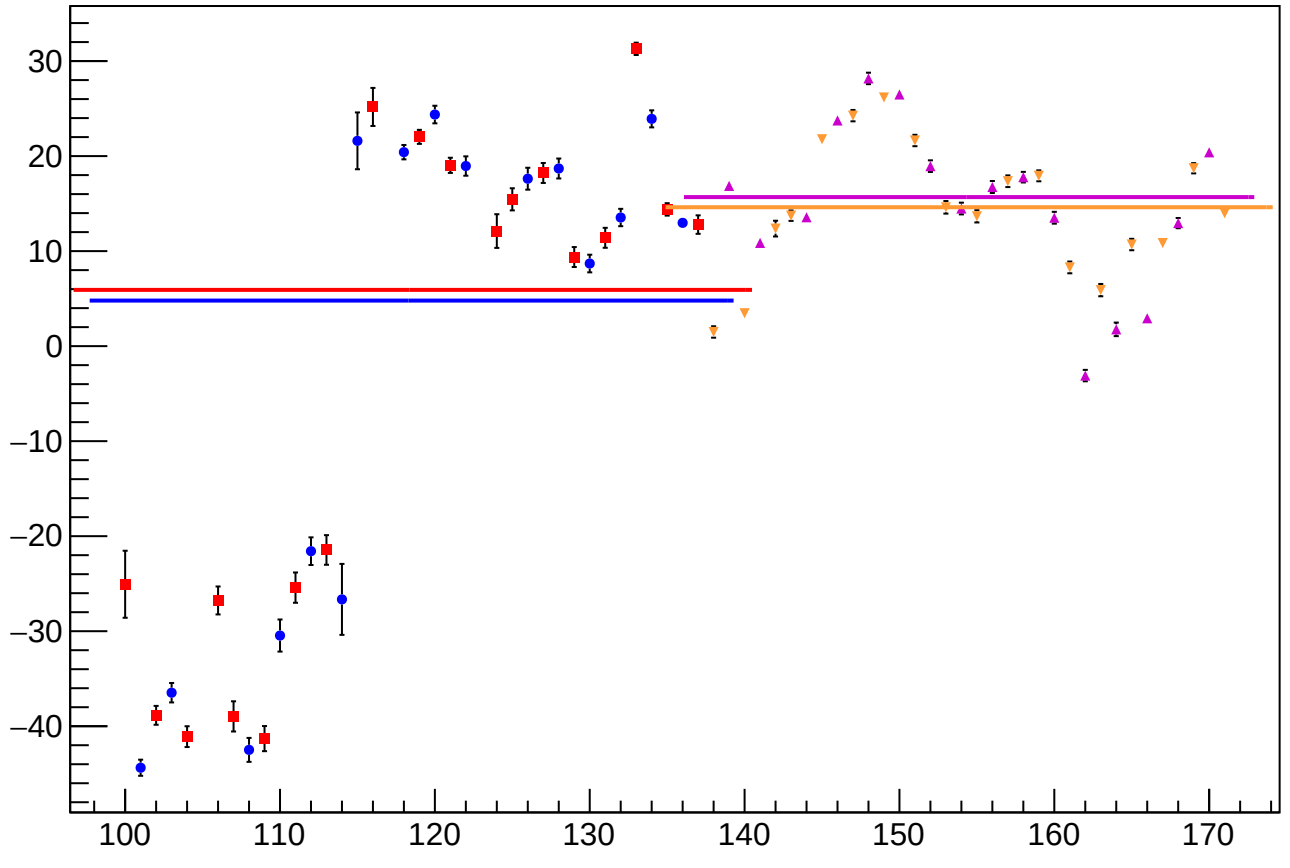
In: 0.218+/-0.009 χ^2/NDF:565.5/31

Out: 0.206+/-0.008 χ^2/NDF:975.4/36

All: 0.212+/-0.006 χ^2/NDF: 1541.9/68


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: 8.094+/-0.136 χ²/NDF:4071.4/15
Left: 8.426+/-0.094 χ²/NDF: 7488.0/33
Right: 1.481+/-0.158 χ²/NDF: 1653.8/34
In: 6.618+/-0.116 χ²/NDF:5083.4/31
Out: 6.577+/-0.113 χ²/NDF:5485.2/36
All: 6.597+/-0.081 χ²/NDF: 10568.6/68


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: 6.188+/-0.097 χ²/NDF:4175.6/15
Left: 6.278+/-0.067 χ²/NDF: 7091.9/33
Right: 6.585+/-0.148 χ²/NDF: 17354.6/34
In: 6.114+/-0.088 χ²/NDF:13112.8/31
Out: 6.531+/-0.085 χ²/NDF:11325.6/36
All: 6.330+/-0.061 χ²/NDF: 24450.0/68



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: 15.685+/-0.133 χ^2/NDF:3668.6/15

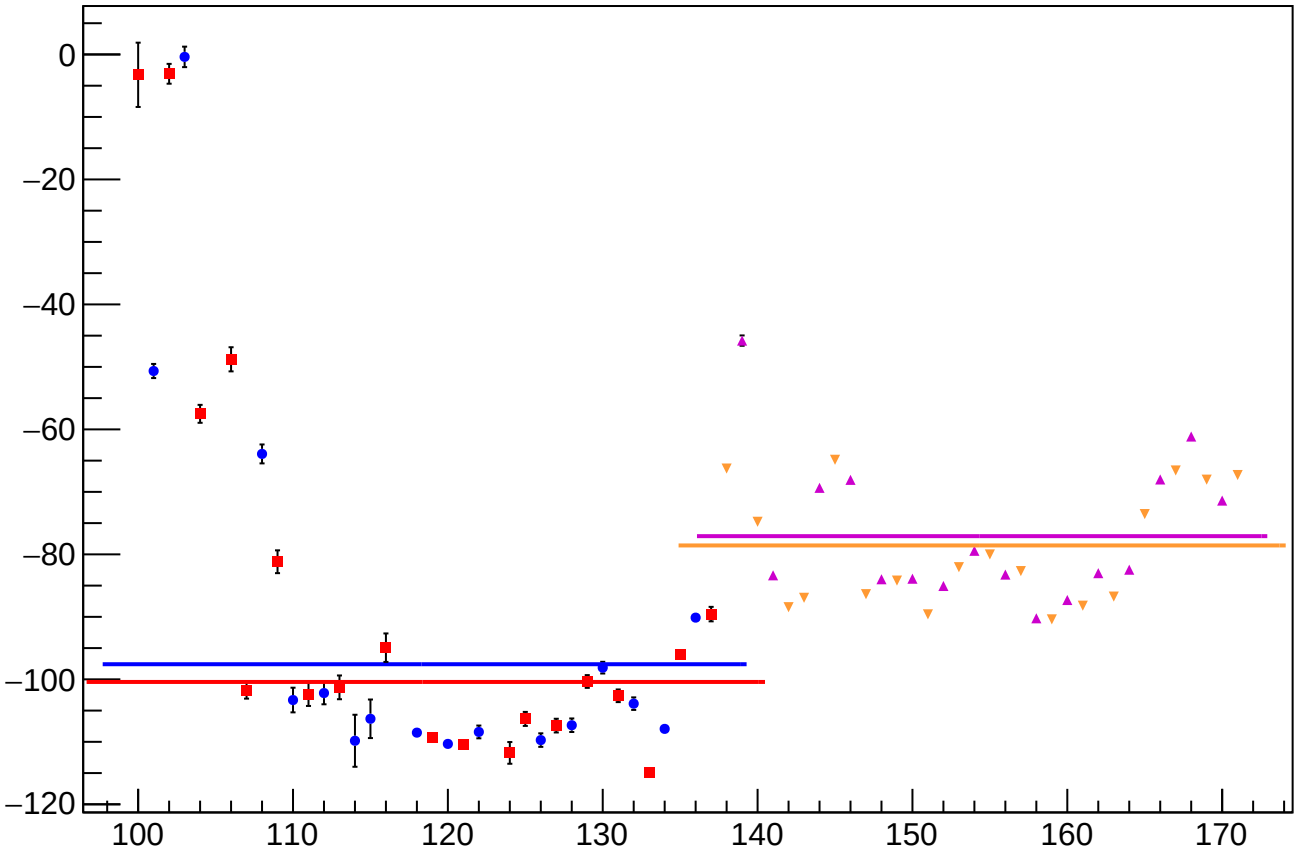
Left: 15.137+/-0.093 χ^2/NDF: 6743.9/33

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.085+/-0.116 χ^2/NDF:14767.6/31

Out: 12.662+/-0.114 χ^2/NDF:14120.4/36

All: 12.870+/-0.081 χ^2/NDF: 28894.8/68



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -78.573+/-0.107 χ^2/NDF:7487.9/17

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -77.086+/-0.112 χ^2/NDF:7086.0/15

Left: -77.861+/-0.078 χ^2/NDF: 14665.7/33

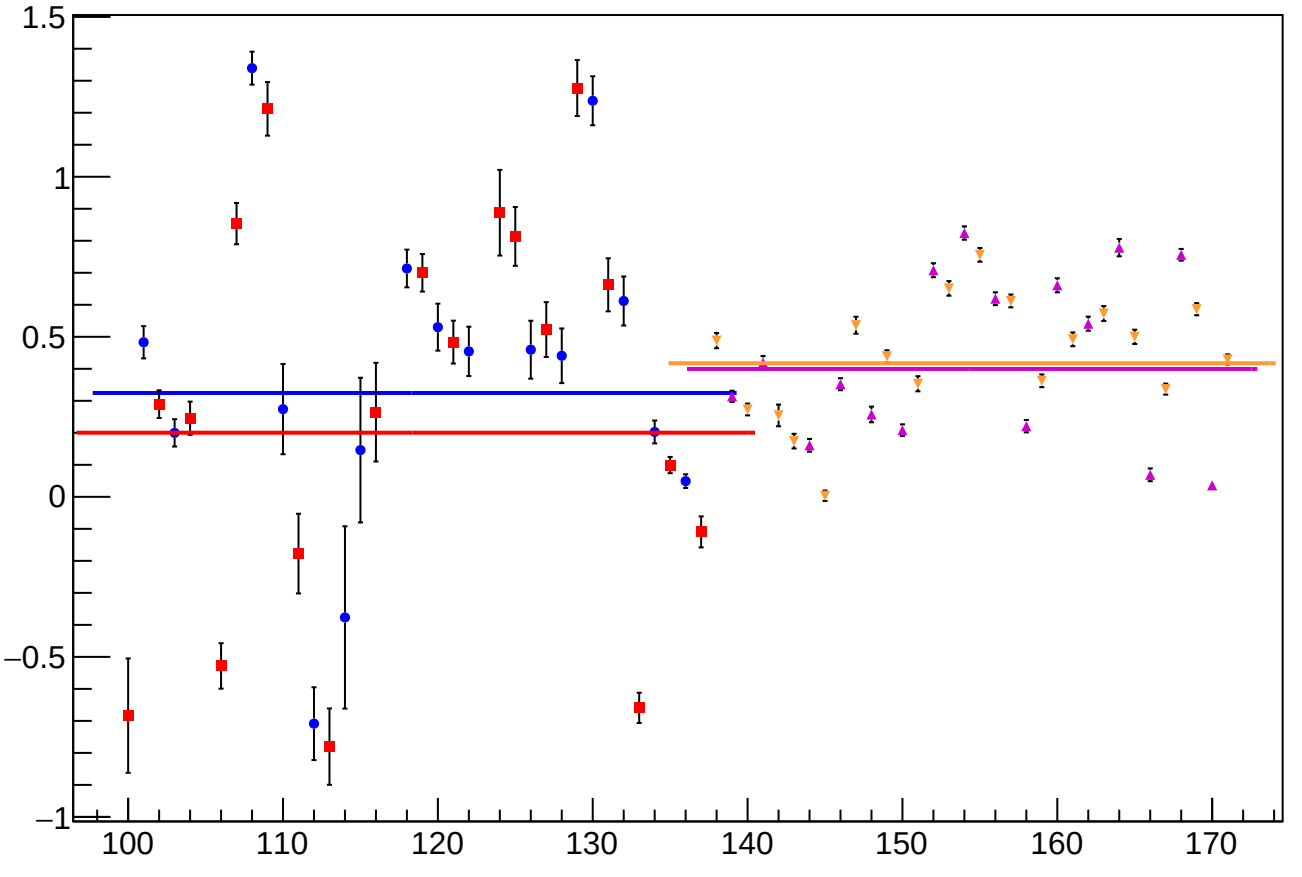
Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -80.714+/-0.102 χ^2/NDF:20148.5/31

Out: -82.197+/-0.098 χ^2/NDF:21457.8/36

All: -81.482+/-0.071 χ^2/NDF: 41716.5/68

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.417+/-0.005 χ^2/NDF:1512.9/17

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.400+/-0.005 χ^2/NDF:2693.4/15

Left: 0.409+/-0.003 χ^2/NDF: 4212.8/33

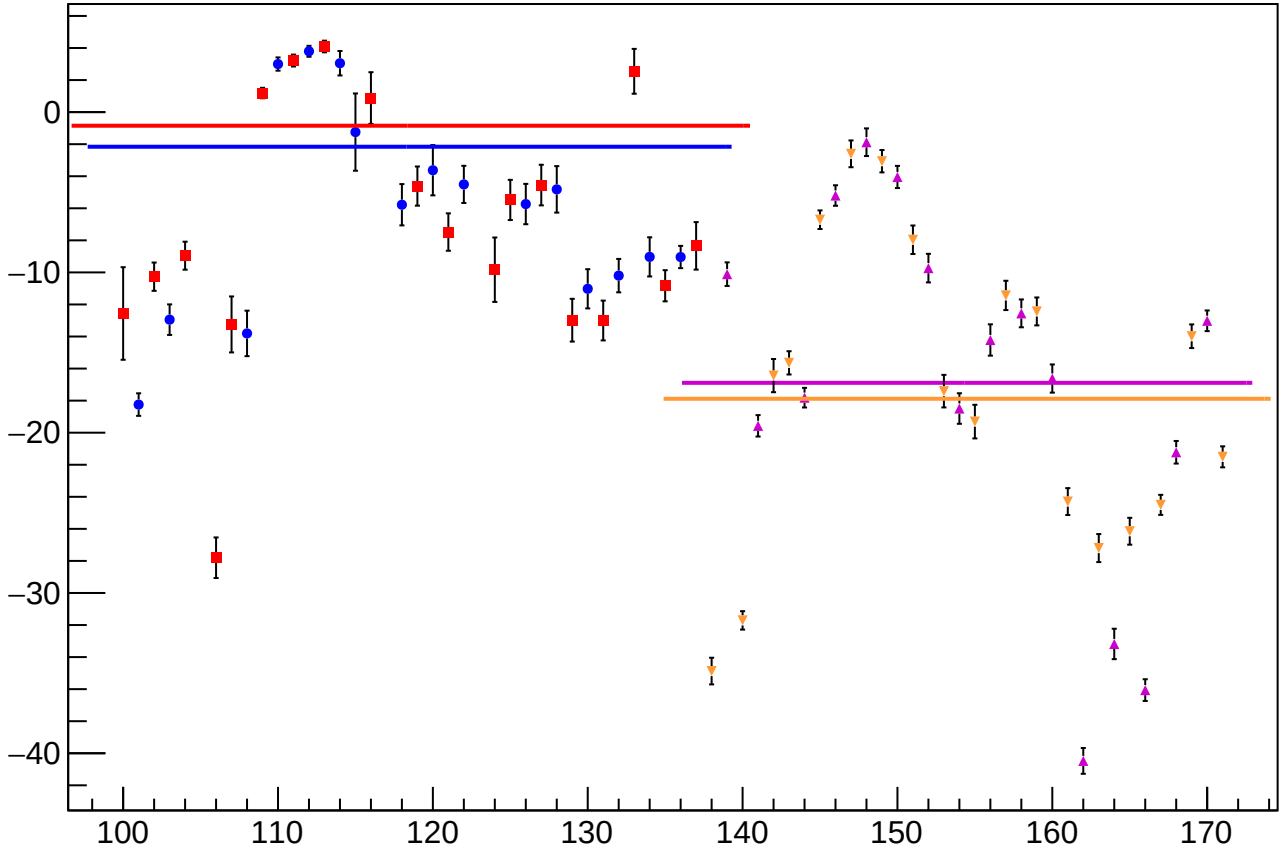
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.390+/-0.005 χ^2/NDF:3608.0/31

Out: 0.394+/-0.005 χ^2/NDF:2937.9/36

All: 0.392+/-0.003 χ^2/NDF: 6546.1/68

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: -16.889+/-0.189 χ^2/NDF:3211.6/15

Left: -17.407+/-0.131 χ^2/NDF: 6046.5/33

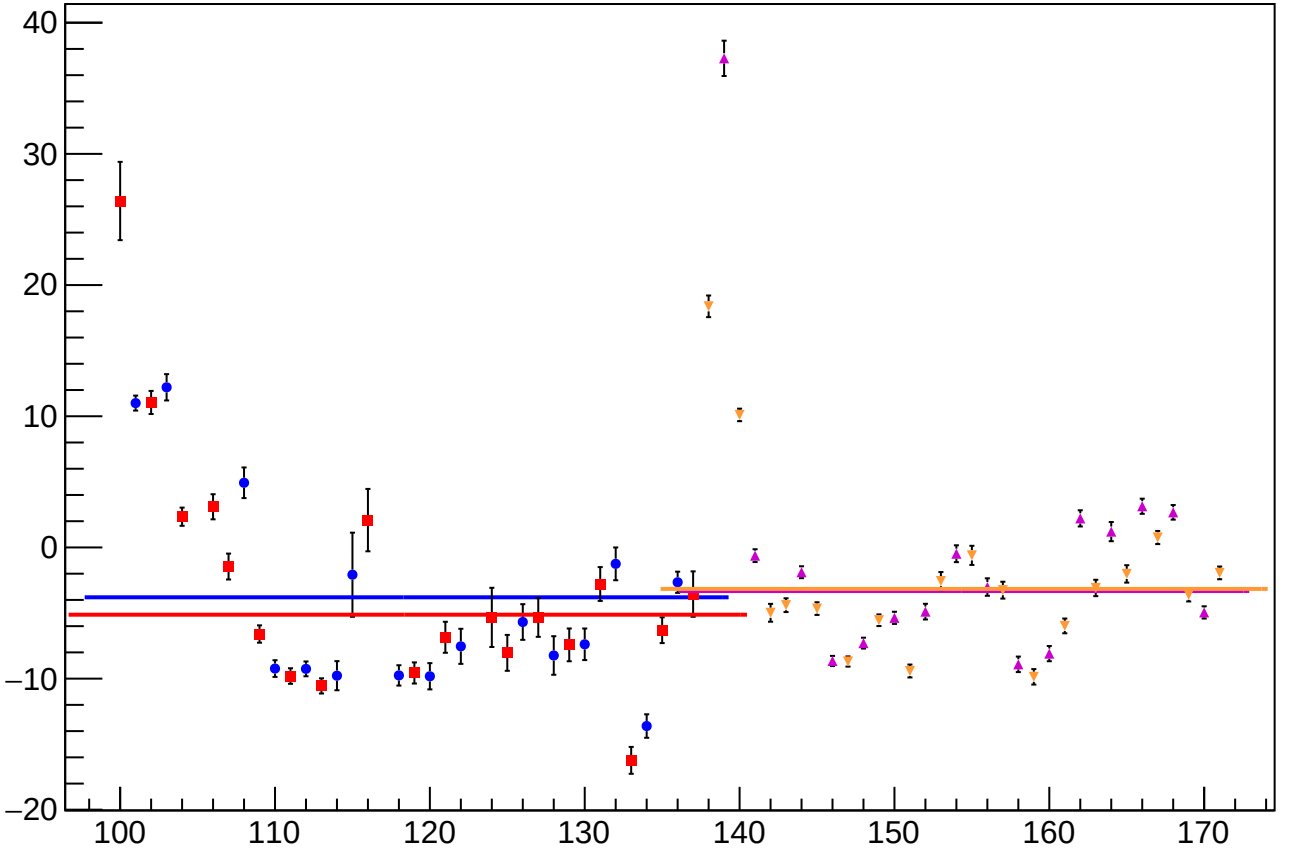
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -9.626+/-0.135 χ^2/NDF:7686.4/31

Out: -8.821+/-0.124 χ^2/NDF:8963.5/36

All: -9.191+/-0.091 χ^2/NDF: 16669.2/68

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: -3.323+/-0.134 χ^2/NDF:1807.0/15

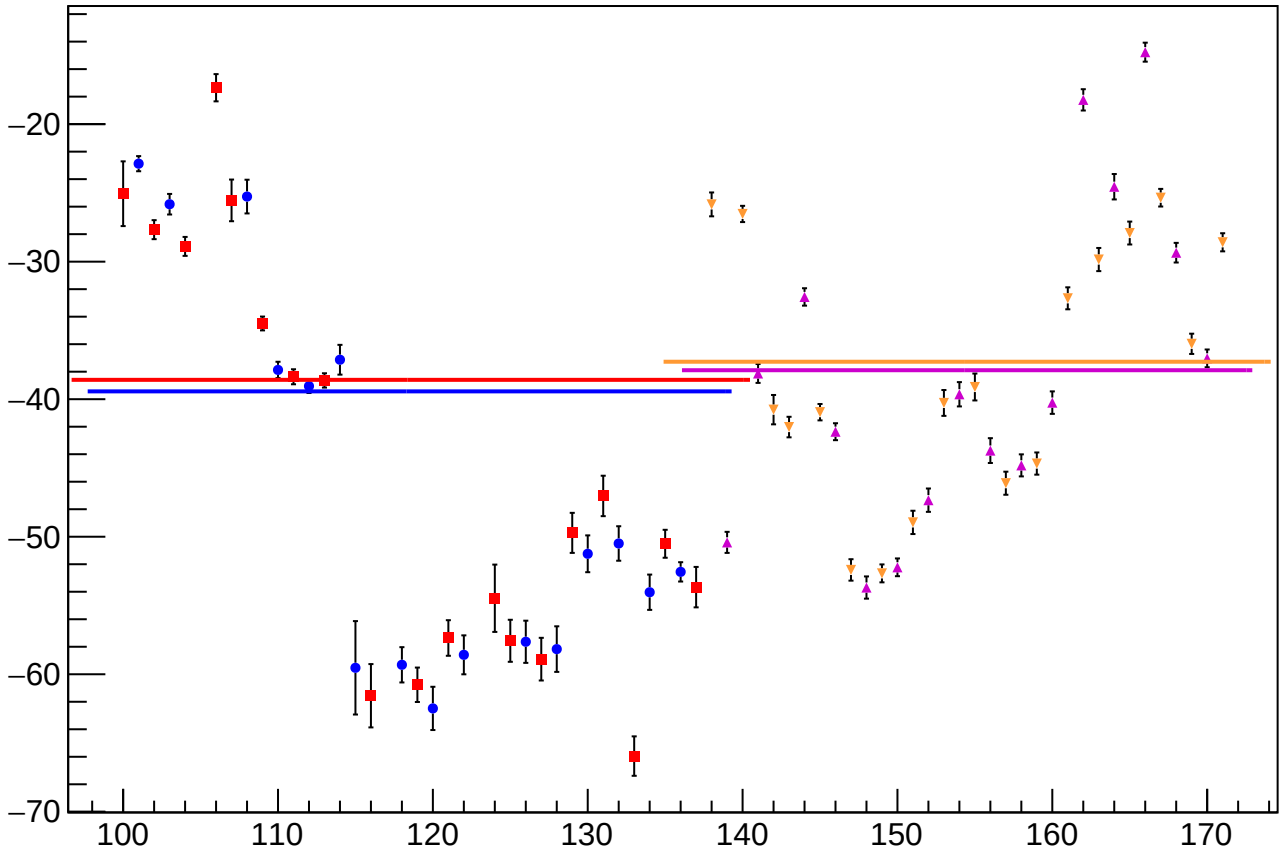
Left: -3.237+/-0.093 χ^2/NDF: 3913.6/33

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.448+/-0.115 χ^2/NDF:3235.8/31

Out: -3.661+/-0.110 χ^2/NDF:3146.6/36

All: -3.559+/-0.080 χ^2/NDF: 6384.2/68



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: -37.893+/-0.185 χ^2/NDF:3637.4/15

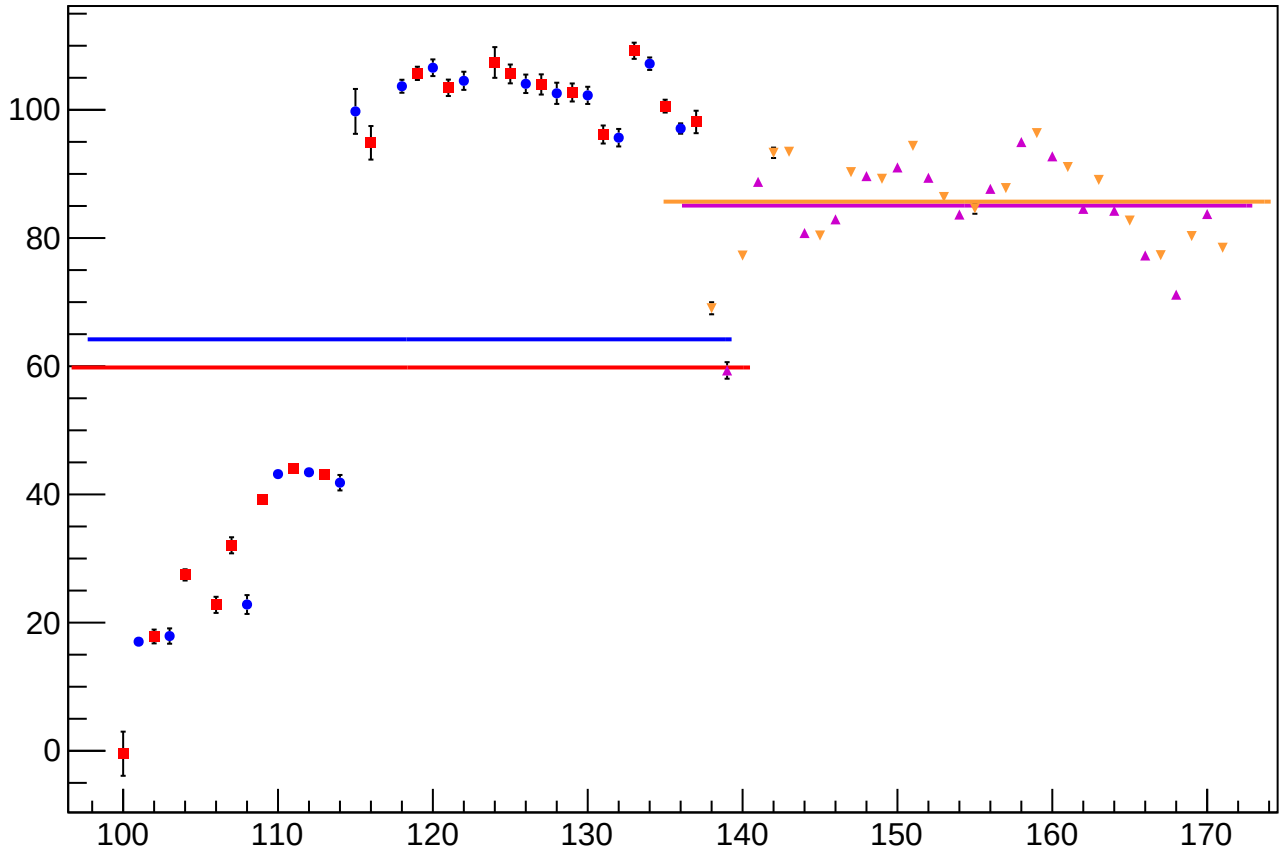
Left: -37.574+/-0.129 χ^2/NDF: 6331.7/33

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -38.513+/-0.143 χ^2/NDF:6623.3/31

Out: -37.822+/-0.137 χ^2/NDF:5483.2/36

All: -38.152+/-0.099 χ^2/NDF: 12118.7/68



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: 85.066+/-0.155 χ^2/NDF:1796.2/15

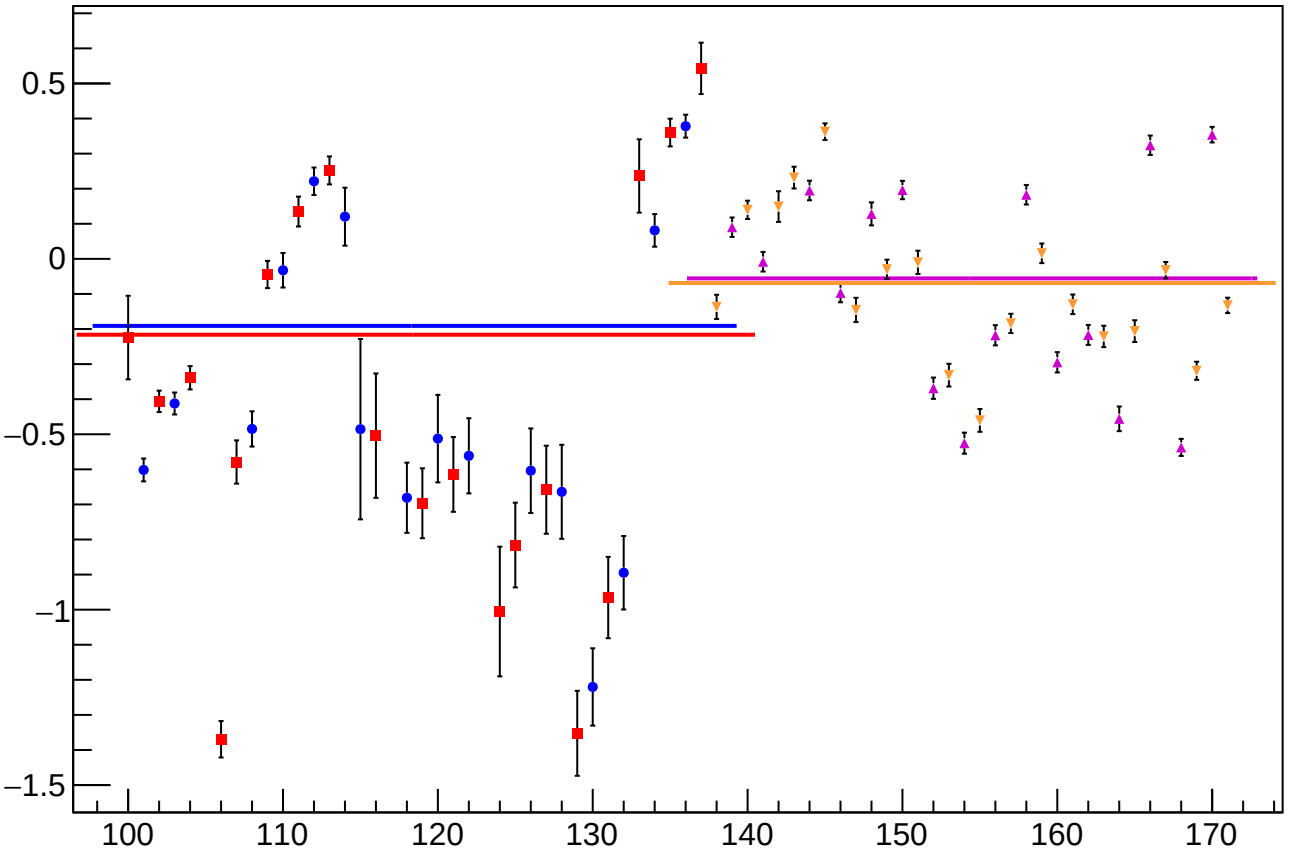
Left: 85.387+/-0.107 χ^2/NDF: 3913.9/33

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.521+/-0.133 χ^2/NDF:25216.2/31

Out: 78.917+/-0.127 χ^2/NDF:27533.5/36

All: 79.206+/-0.092 χ^2/NDF: 52760.5/68



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: -0.056+/-0.007 χ^2/NDF:1844.1/15

Left: -0.062+/-0.005 χ^2/NDF: 2770.0/33

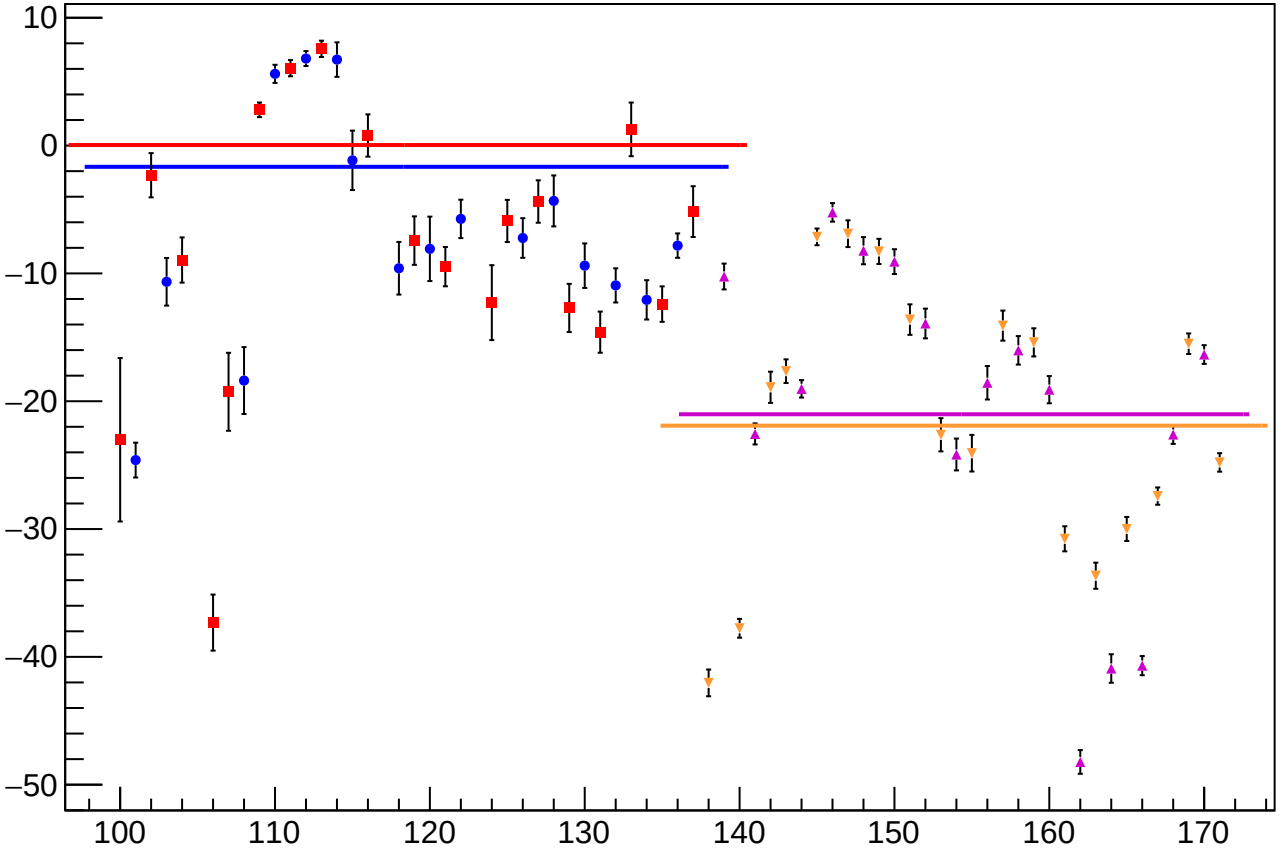
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.084+/-0.006 χ^2/NDF:2842.5/31

Out: -0.100+/-0.006 χ^2/NDF:2394.5/36

All: -0.093+/-0.004 χ^2/NDF: 5240.3/68

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: -21.020+/-0.226 χ^2/NDF:2875.3/15

Left: -21.481+/-0.157 χ^2/NDF: 5214.7/33

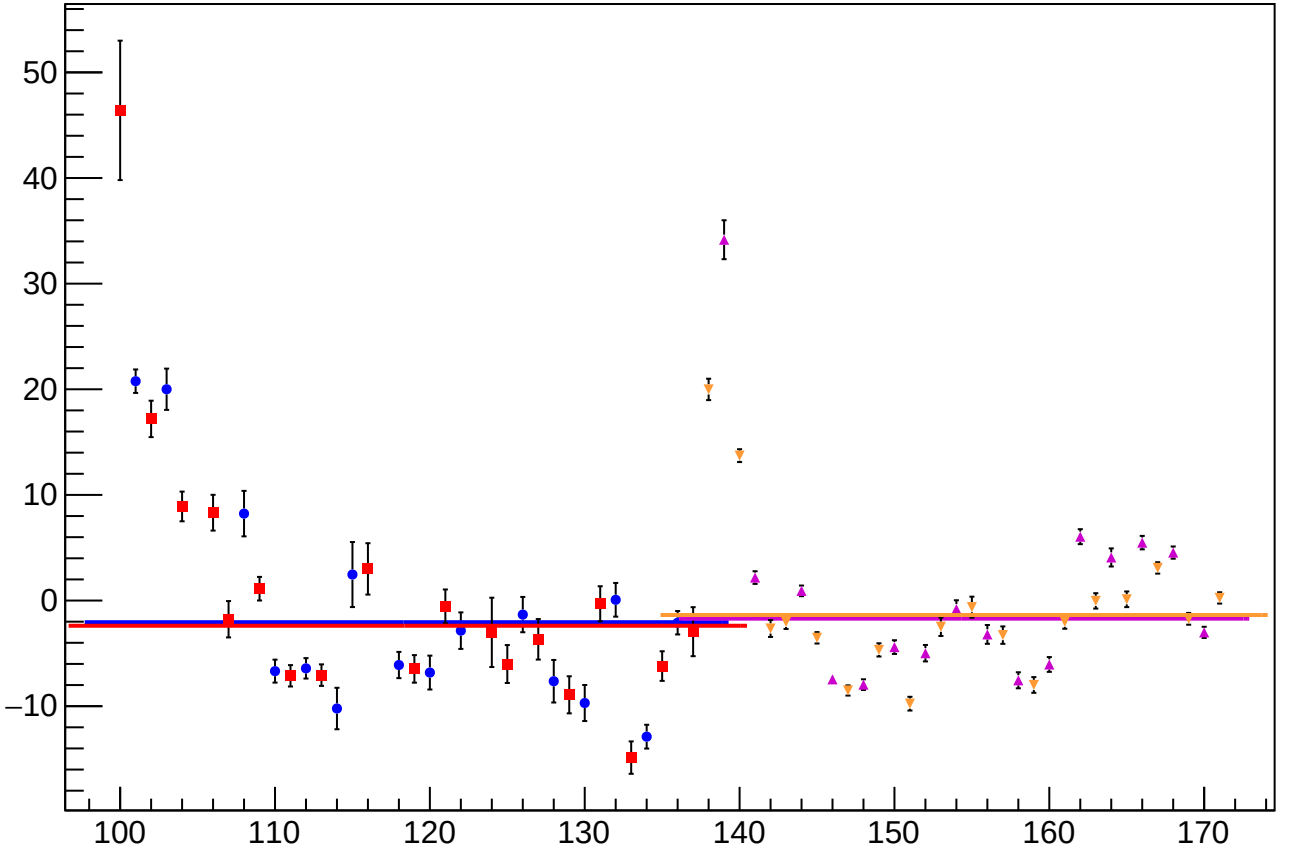
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -14.242+/-0.182 χ^2/NDF:6341.9/31

Out: -13.681+/-0.173 χ^2/NDF:7053.1/36

All: -13.946+/-0.125 χ^2/NDF: 13400.0/68

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: -1.713+/-0.160 χ^2/NDF:1331.1/15

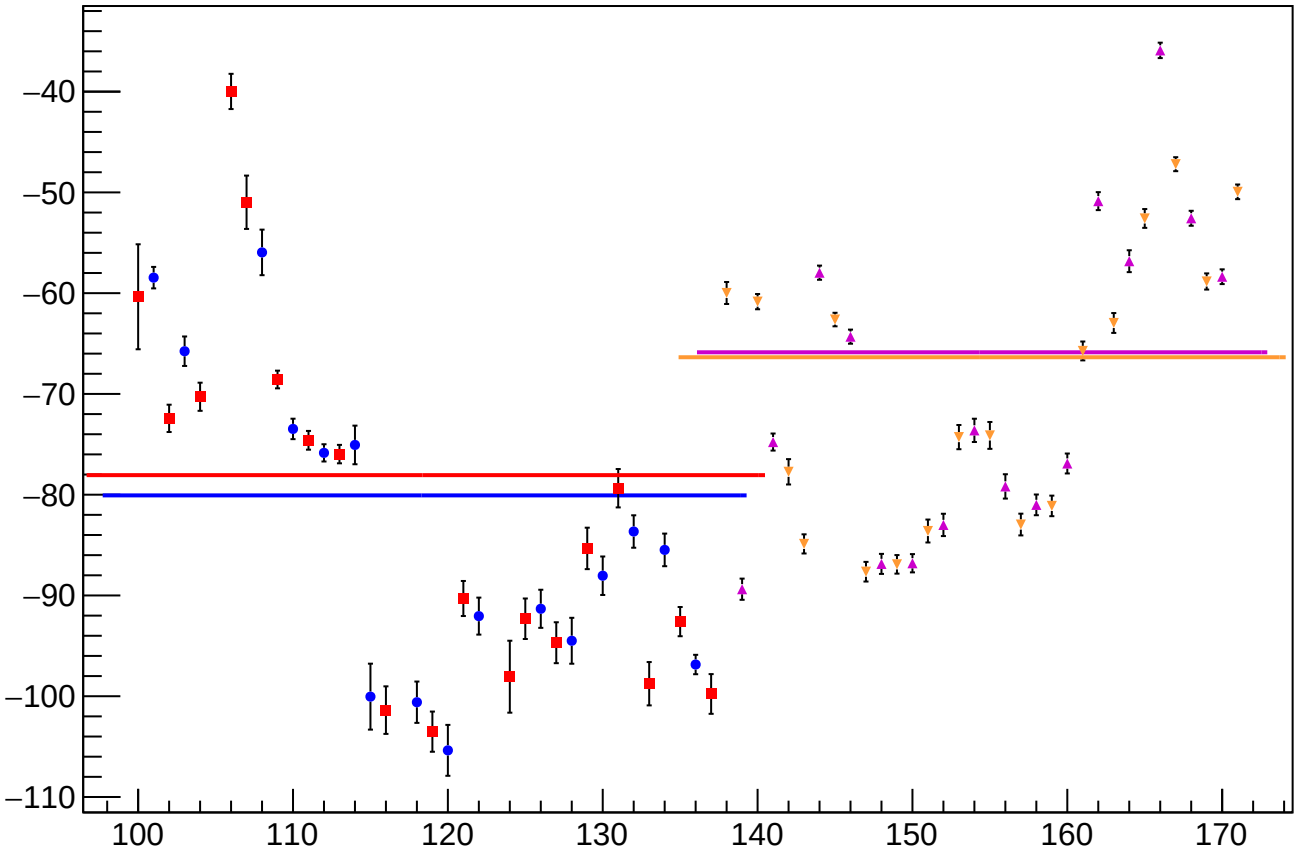
Left: -1.536+/-0.111 χ^2/NDF: 3000.7/33

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

In: -1.770+/-0.146 χ^2/NDF:2103.8/31

Out: -1.531+/-0.142 χ^2/NDF:2125.0/36

All: -1.647+/-0.102 χ^2/NDF: 4230.1/68



Right In: -80.069+/-0.364 χ^2/NDF: 1387.2/15

Left Out: -66.360+/-0.216 χ^2/NDF:3897.3/17

Right Out: -78.059+/-0.354 χ^2/NDF: 1561.2/18

Left In: -65.867+/-0.222 χ^2/NDF:4779.1/15

Left: -66.121+/-0.155 χ^2/NDF: 8678.9/33

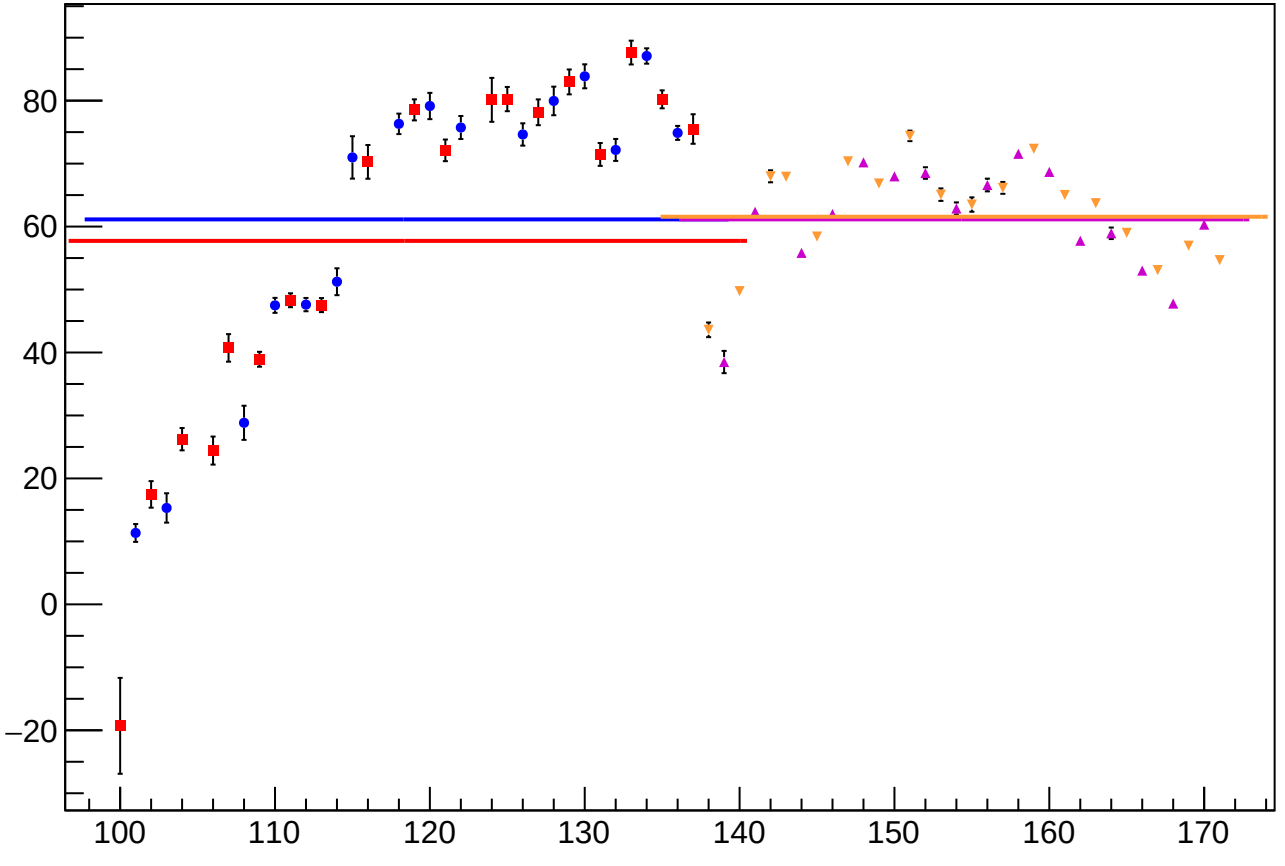
Right: -79.033+/-0.254 χ^2/NDF: 2964.1/34

In: -69.710+/-0.190 χ^2/NDF:7274.1/31

Out: -69.538+/-0.184 χ^2/NDF:6256.1/36

All: -69.622+/-0.132 χ^2/NDF: 13530.7/68

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: 61.145+/-0.185 χ^2/NDF:1433.5/15

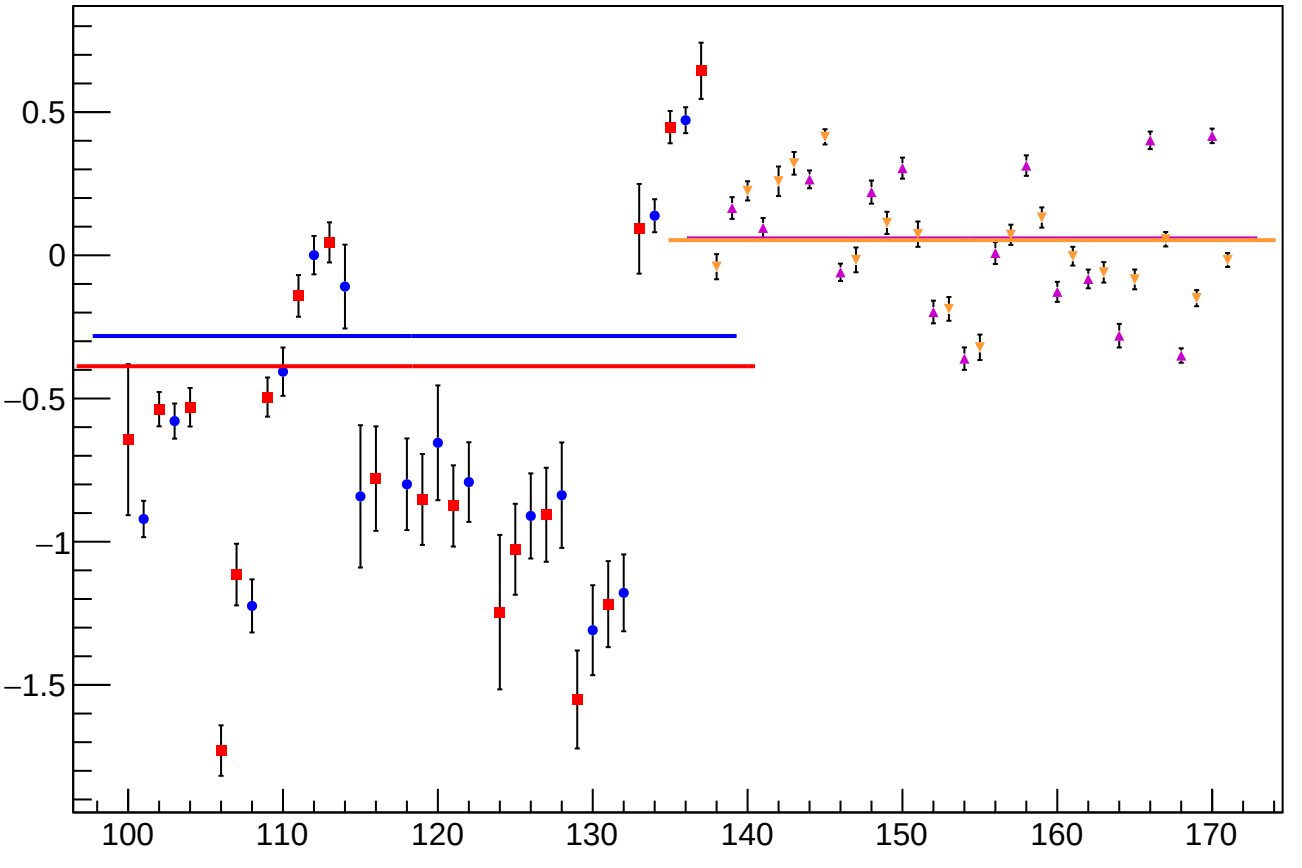
Left: 61.361+/-0.128 χ^2/NDF: 3201.6/33

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 61.144+/-0.168 χ^2/NDF:4662.8/31

Out: 60.929+/-0.163 χ^2/NDF:4617.7/36

All: 61.033+/-0.117 χ^2/NDF: 9281.4/68



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: 0.059+/-0.008 χ^2/NDF:1037.2/15

Left: 0.056+/-0.006 χ^2/NDF: 1517.4/33

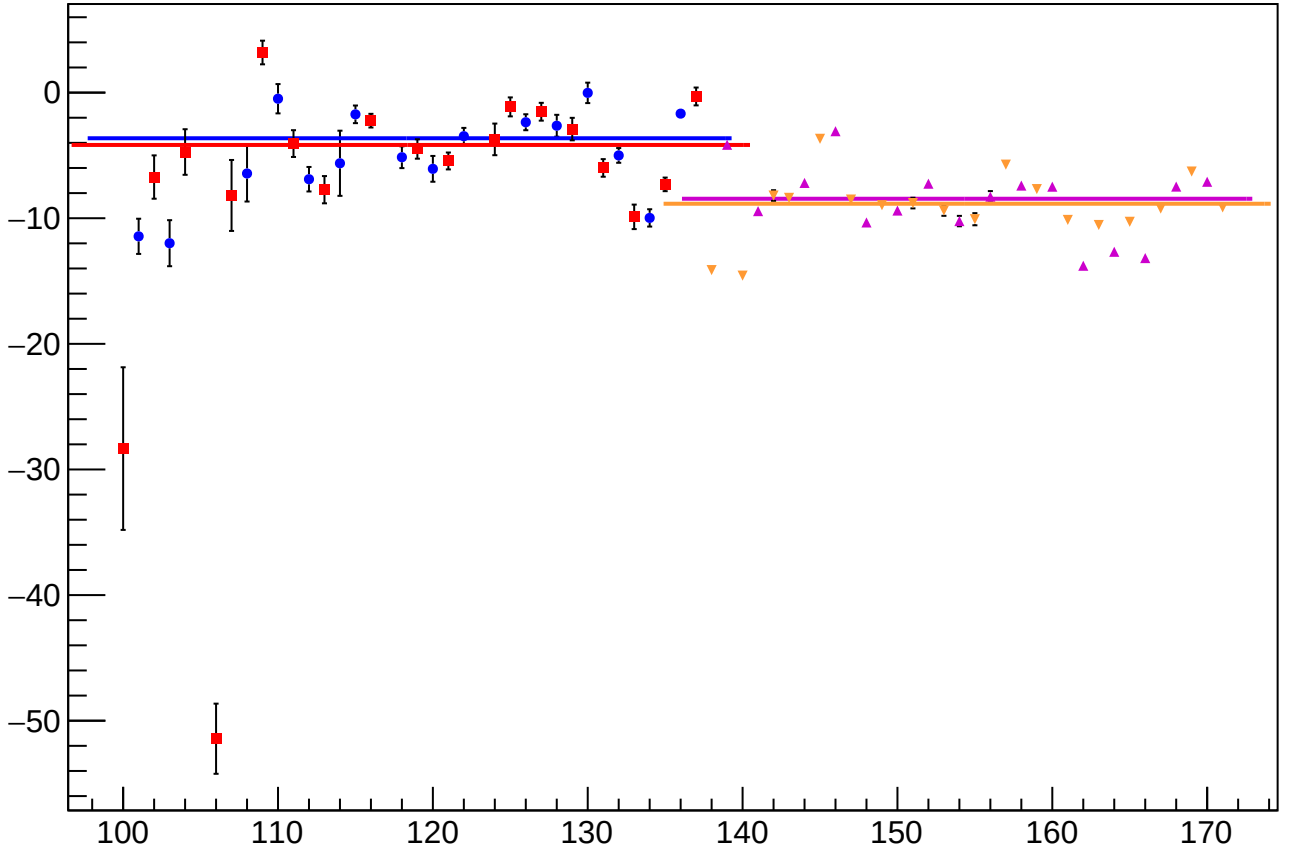
Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.015+/-0.008 χ^2/NDF:1981.2/31

Out: 0.000+/-0.008 χ^2/NDF:1654.2/36

All: 0.007+/-0.005 χ^2/NDF: 3637.2/68

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.847+/-0.072 χ^2/NDF:1529.7/17

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.449+/-0.074 χ^2/NDF:1750.1/15

Left: -8.654+/-0.051 χ^2/NDF: 3294.8/33

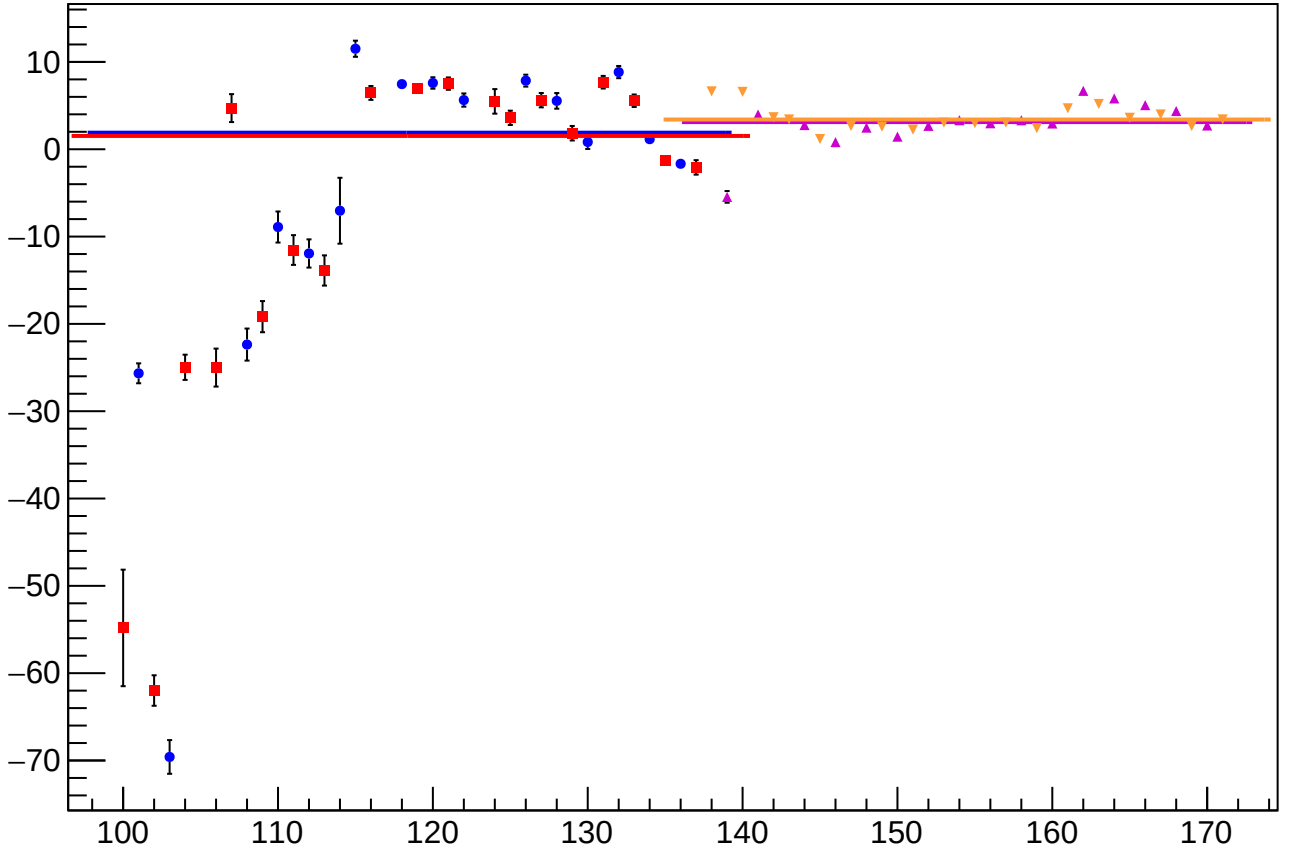
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.811+/-0.069 χ^2/NDF:2547.8/31

Out: -8.311+/-0.067 χ^2/NDF:2547.0/36

All: -8.066+/-0.048 χ^2/NDF: 5121.7/68

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: 3.113+/-0.052 χ^2/NDF:1049.9/15

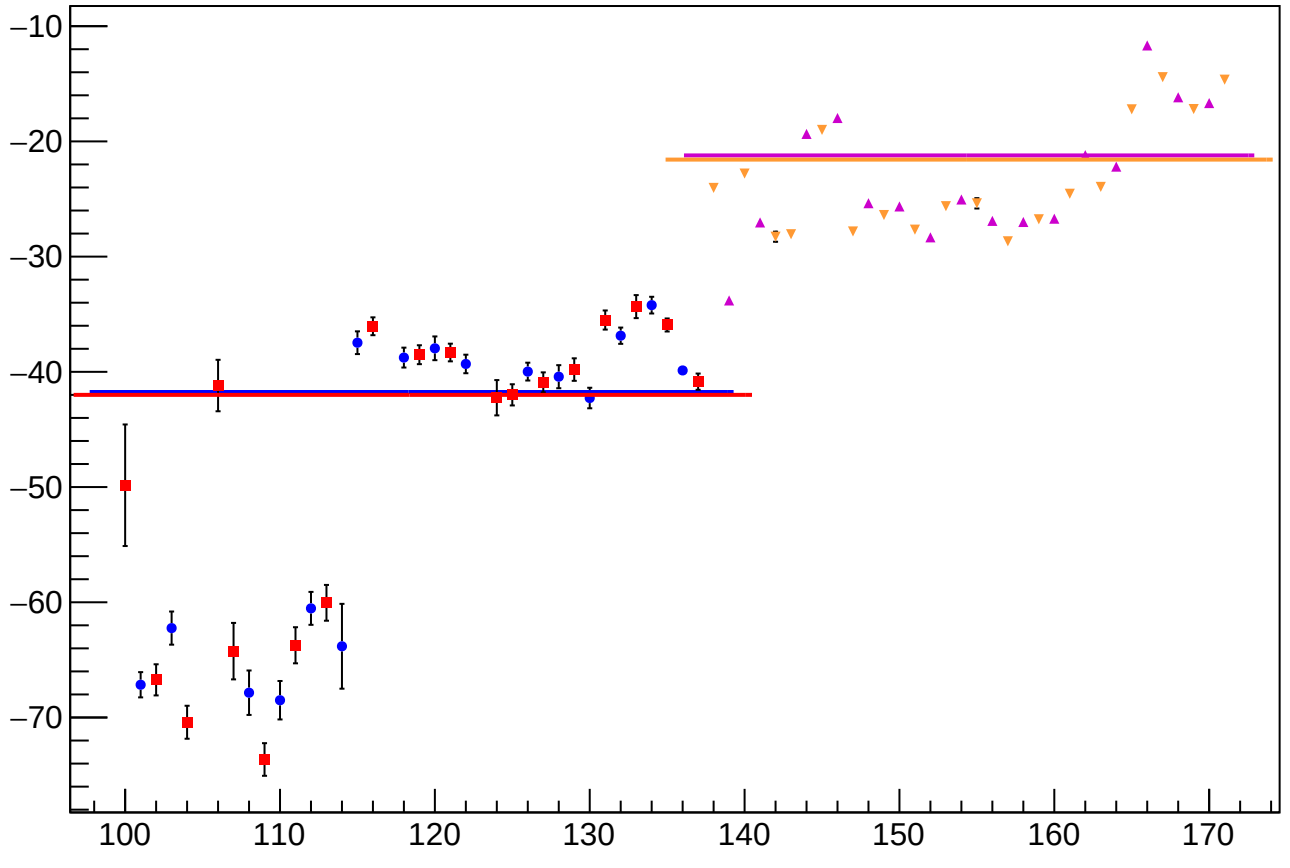
Left: 3.262+/-0.037 χ^2/NDF: 1733.6/33

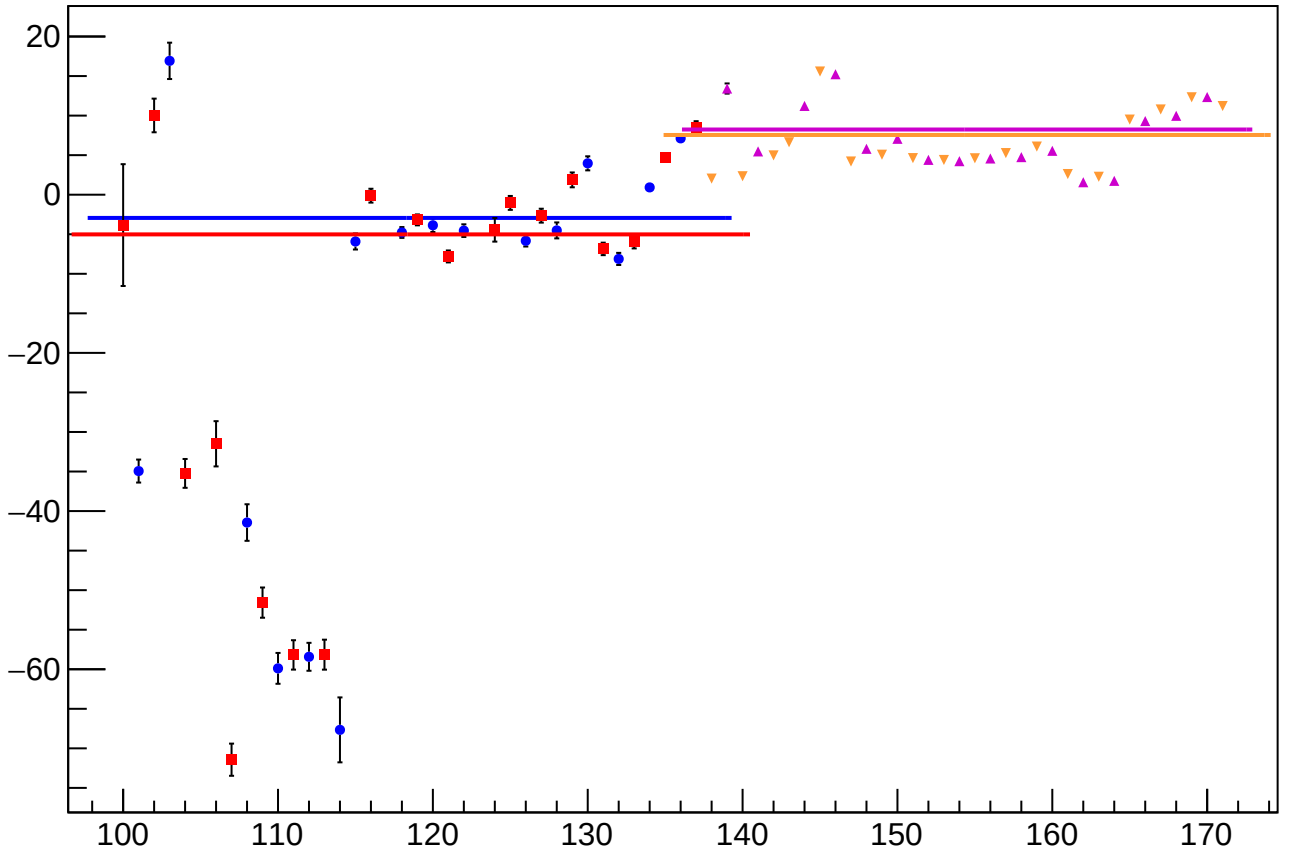
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.027+/-0.050 χ^2/NDF:3926.5/31

Out: 3.297+/-0.050 χ^2/NDF:3304.4/36

All: 3.164+/-0.035 χ^2/NDF: 7245.5/68


reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -41.751+/-0.208 χ²/NDF: 1633.9/15
Left Out: -21.579+/-0.071 χ²/NDF:5136.1/17
Right Out: -41.999+/-0.228 χ²/NDF: 1985.2/18
Left In: -21.217+/-0.073 χ²/NDF:5774.2/15
Left: -21.402+/-0.051 χ²/NDF: 10923.1/33
Right: -41.863+/-0.154 χ²/NDF: 3619.8/34
In: -23.449+/-0.068 χ²/NDF:16125.5/31
Out: -23.380+/-0.068 χ²/NDF:14418.0/36
All: -23.414+/-0.048 χ²/NDF: 30544.0/68



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: 8.242+/-0.060 χ^2/NDF:4885.7/15

Left: 7.886+/-0.042 χ^2/NDF: 10164.7/33

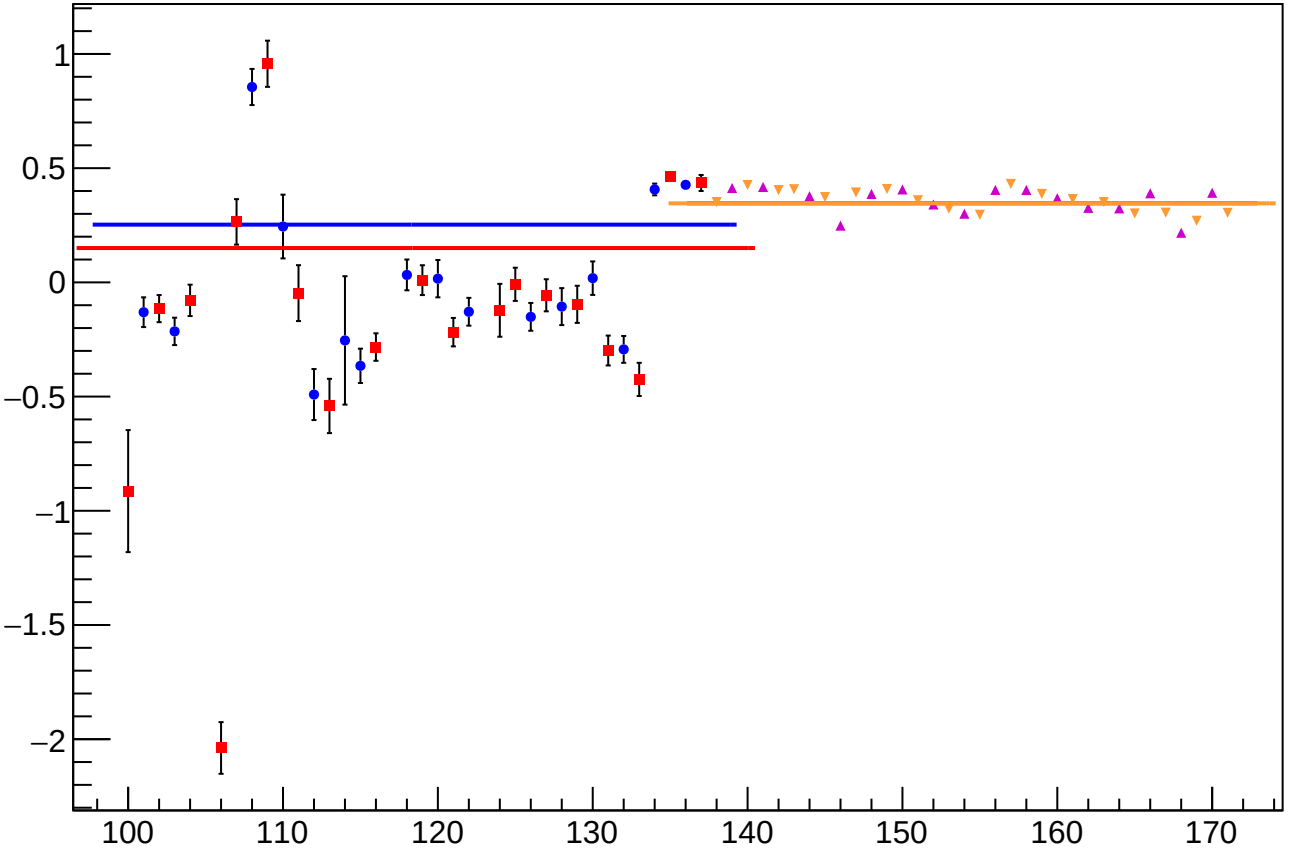
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 7.391+/-0.058 χ^2/NDF:11237.5/31

Out: 6.801+/-0.057 χ^2/NDF:12352.8/36

All: 7.090+/-0.040 χ^2/NDF: 23643.5/68

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: 0.346+/-0.003 χ^2/NDF:600.0/15

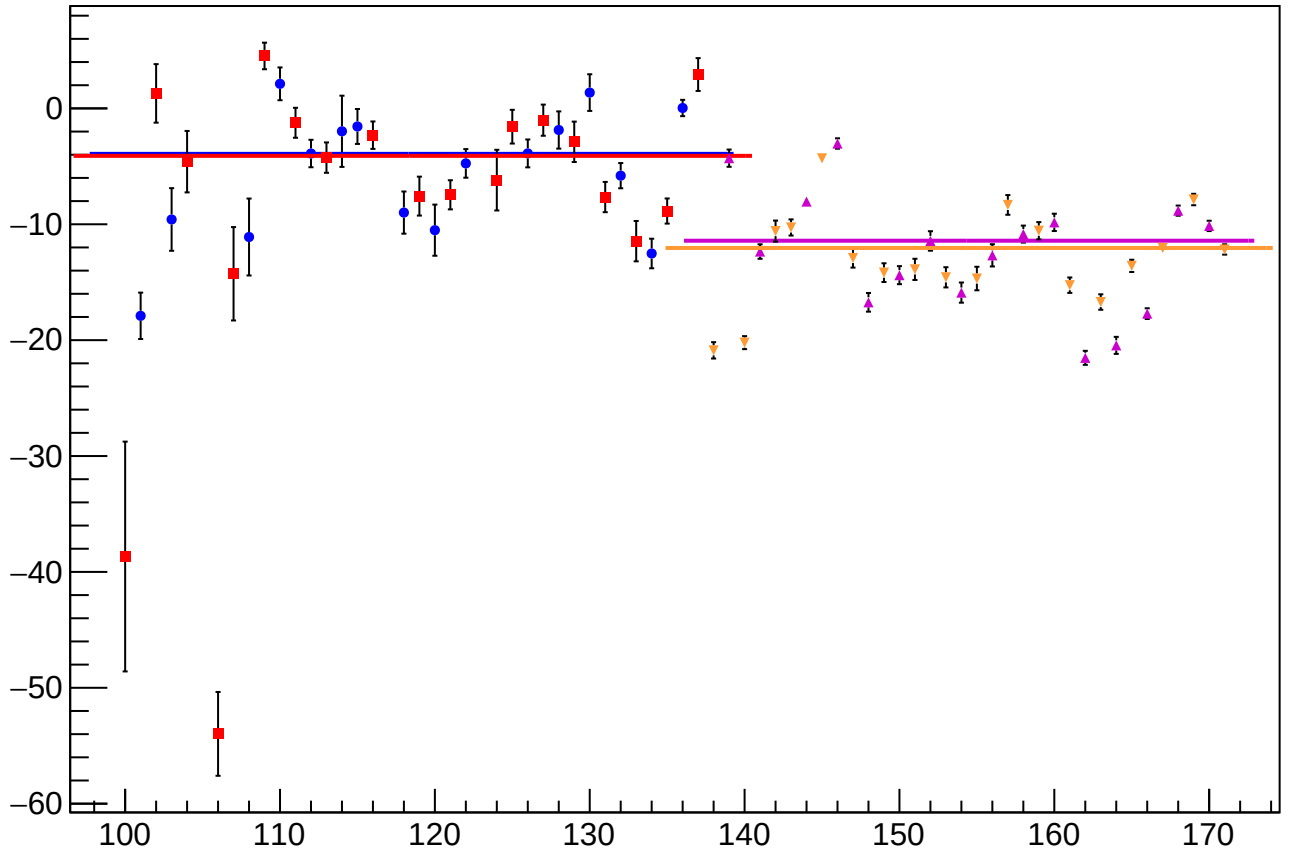
Left: 0.346+/-0.002 χ^2/NDF: 948.4/33

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.341+/-0.003 χ^2/NDF:1293.7/31

Out: 0.339+/-0.003 χ^2/NDF:1573.1/36

All: 0.340+/-0.002 χ^2/NDF: 2867.3/68



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: -11.418+/-0.149 χ^2/NDF:1257.5/15

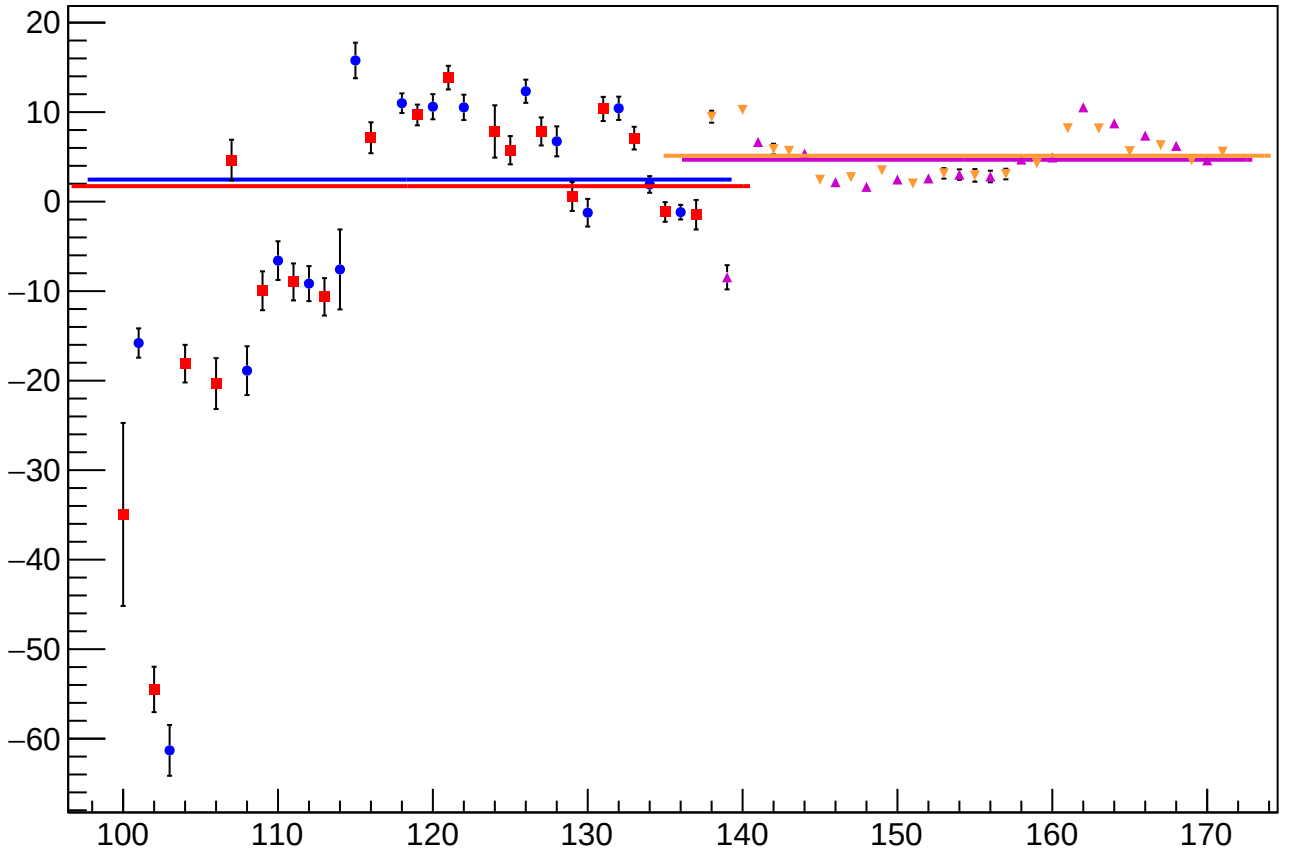
Left: -11.741+/-0.104 χ^2/NDF: 2233.0/33

Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -10.243+/-0.137 χ^2/NDF:1841.9/31

Out: -10.921+/-0.134 χ^2/NDF:1759.3/36

All: -10.589+/-0.096 χ^2/NDF: 3613.7/68



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: 4.681+/-0.106 χ^2/NDF:601.6/15

Left: 4.908+/-0.074 χ^2/NDF: 1081.7/33

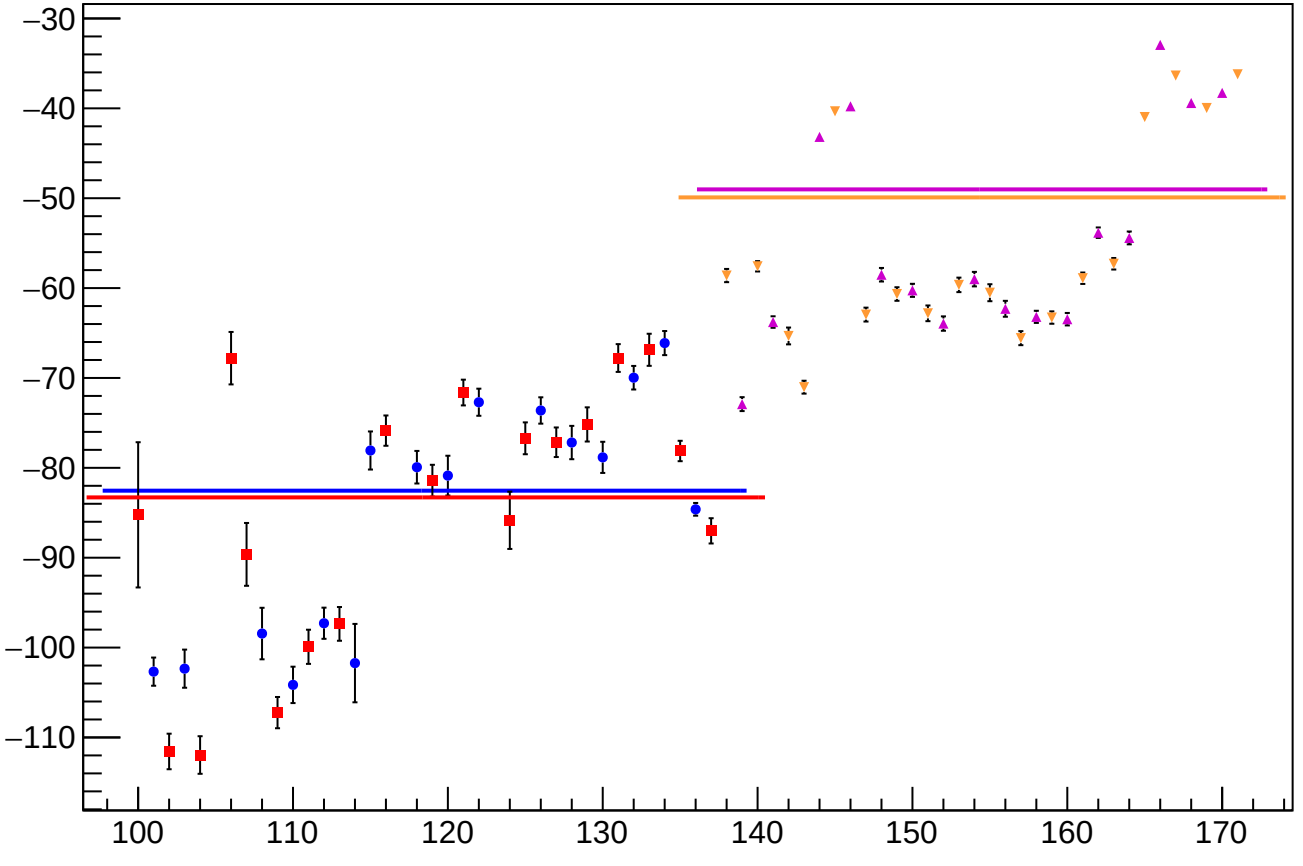
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.502+/-0.101 χ^2/NDF:1683.8/31

Out: 4.899+/-0.100 χ^2/NDF:1526.5/36

All: 4.702+/-0.071 χ^2/NDF: 3218.0/68

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -49.909+/-0.144 χ^2/NDF:6768.7/17

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -49.018+/-0.147 χ^2/NDF:6458.0/15

Left: -49.473+/-0.103 χ^2/NDF: 13245.6/33

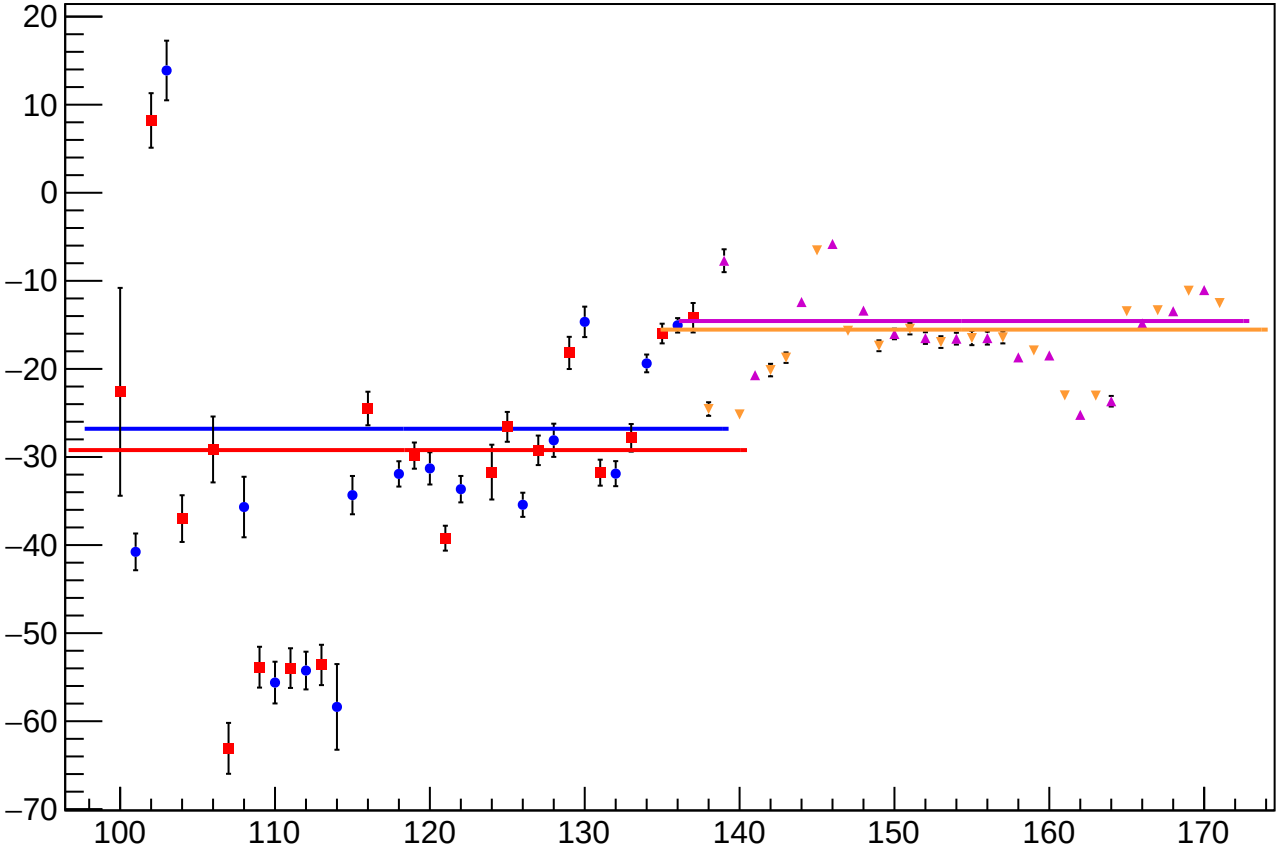
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -53.288+/-0.137 χ^2/NDF:13936.9/31

Out: -53.496+/-0.136 χ^2/NDF:13656.9/36

All: -53.393+/-0.097 χ^2/NDF: 27594.9/68

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: -14.564+/-0.122 χ^2/NDF:1867.5/15

Left: -15.065+/-0.085 χ^2/NDF: 3780.0/33

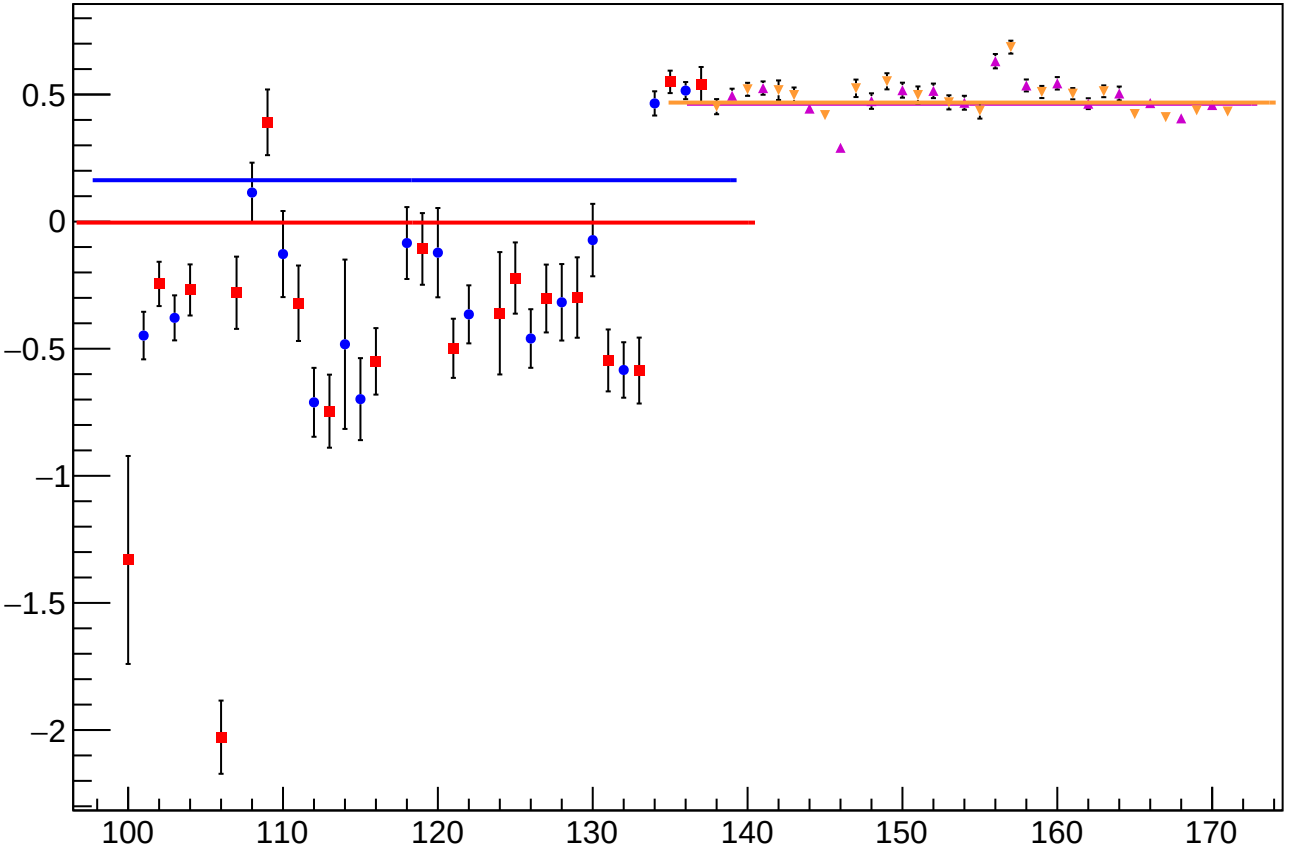
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.623+/-0.116 χ^2/NDF:3704.3/31

Out: -16.497+/-0.114 χ^2/NDF:3776.2/36

All: -16.069+/-0.081 χ^2/NDF: 7509.3/68

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.468+/-0.005 χ^2/NDF:138.2/17

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.463+/-0.006 χ^2/NDF:171.6/15

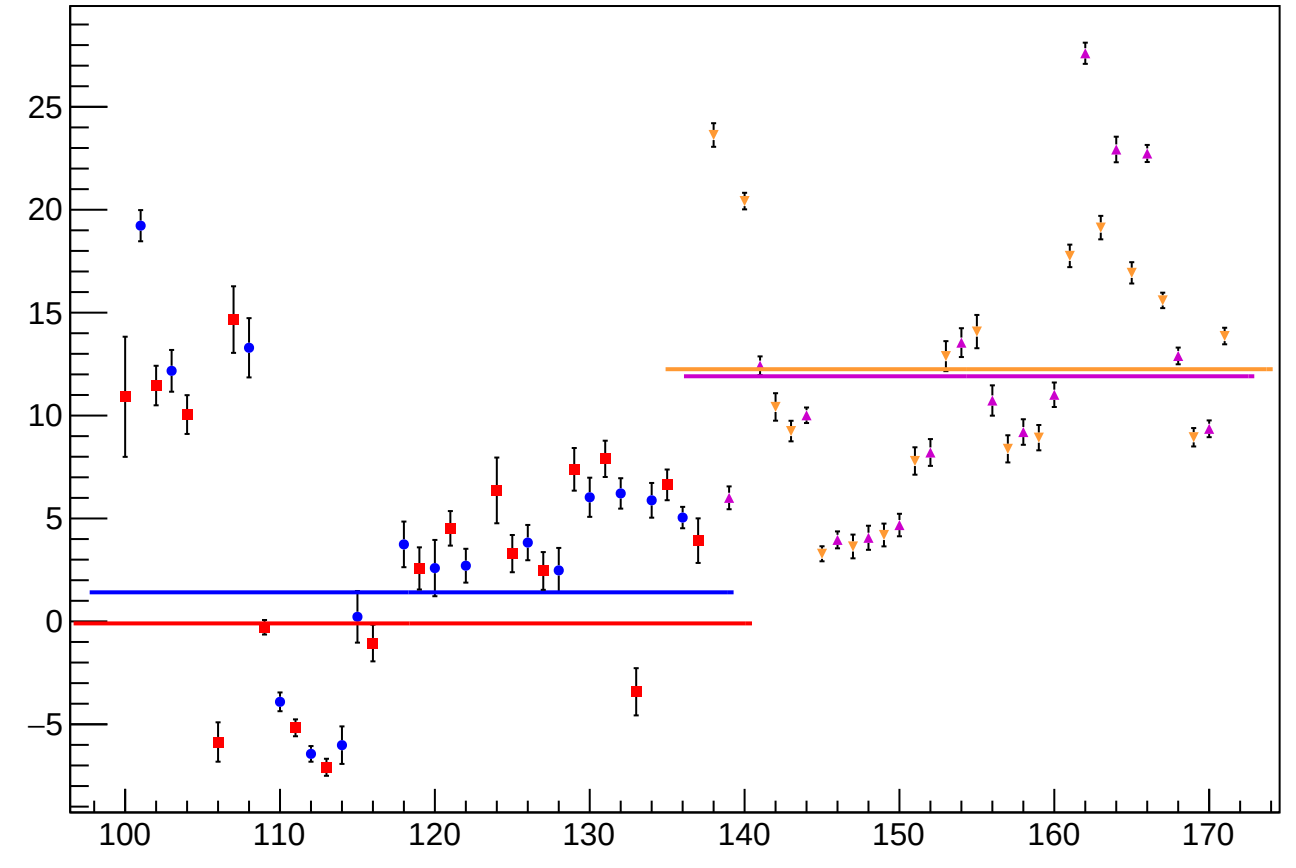
Left: 0.466+/-0.004 χ^2/NDF: 310.1/33

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

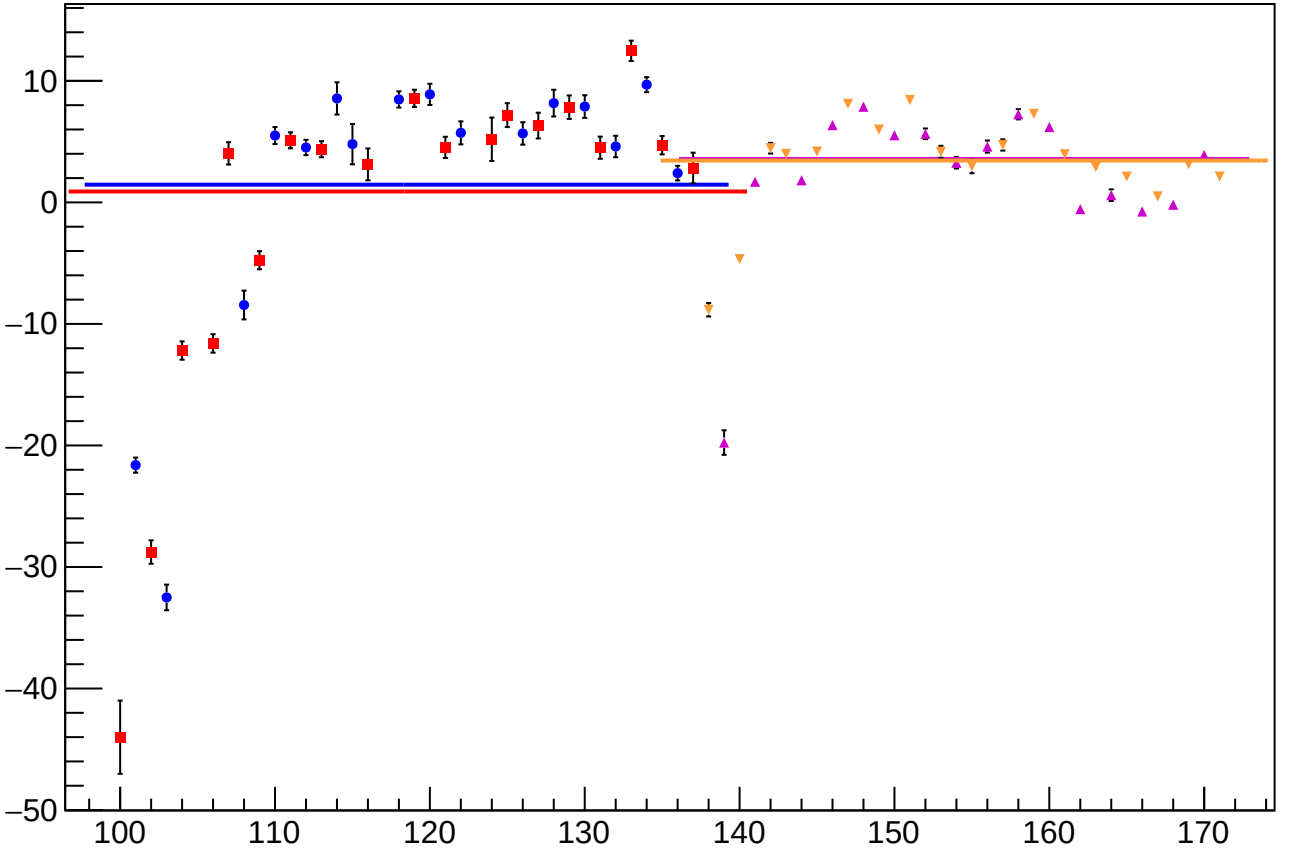
In: 0.445+/-0.005 χ^2/NDF:779.1/31

Out: 0.447+/-0.005 χ^2/NDF:1068.7/36

All: 0.446+/-0.004 χ^2/NDF: 1847.9/68


reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 1.412+/-0.183 χ²/NDF: 1522.1/15
Left Out: 12.253+/-0.121 χ²/NDF:2478.0/17
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 11.909+/-0.126 χ²/NDF:2897.3/15
Left: 12.087+/-0.087 χ²/NDF: 5379.1/33
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 8.546+/-0.104 χ²/NDF:6653.1/31
Out: 8.012+/-0.098 χ²/NDF:7199.7/36
All: 8.264+/-0.071 χ²/NDF: 13866.9/68

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: 3.572+/-0.089 χ^2/NDF:1593.6/15

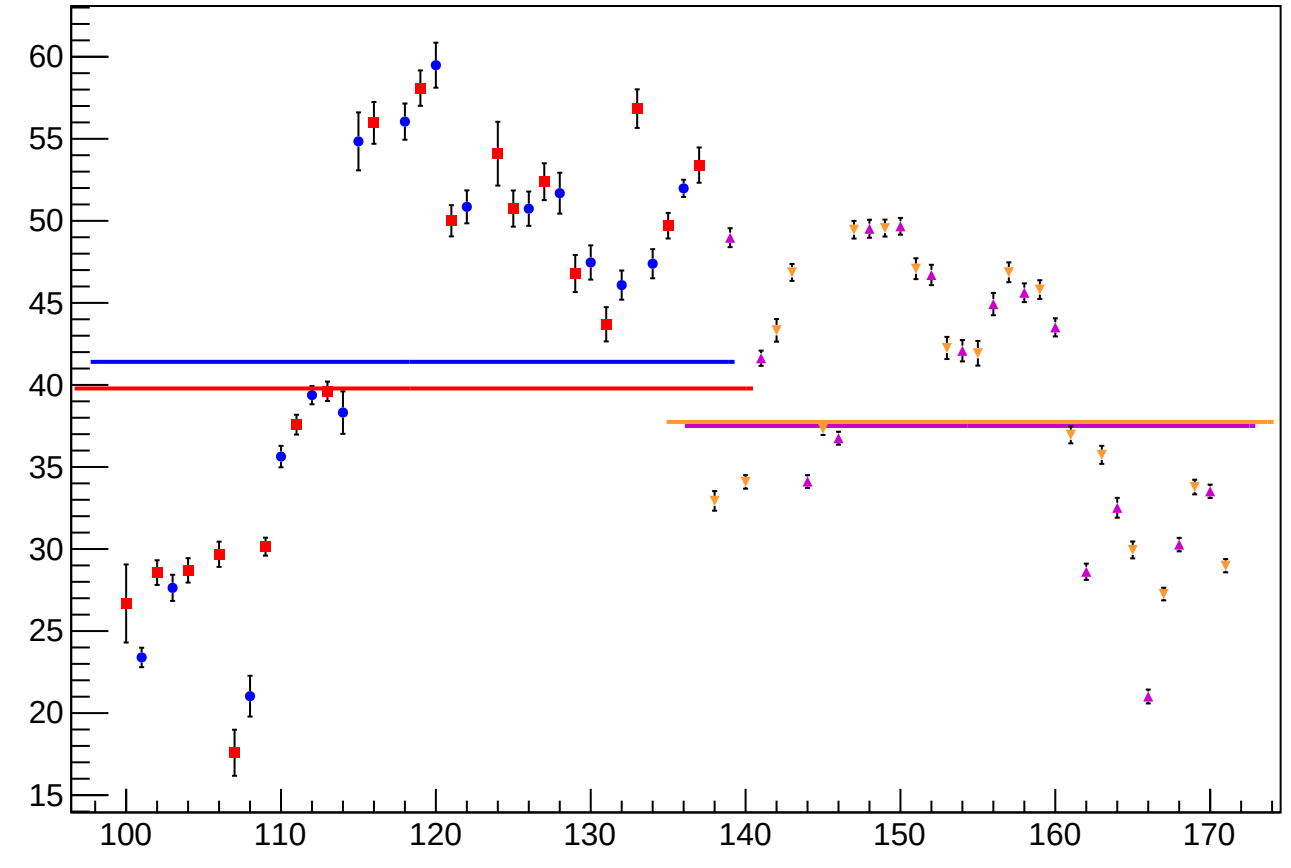
Left: 3.507+/-0.062 χ^2/NDF: 3471.5/33

Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 3.234+/-0.081 χ^2/NDF:4764.5/31

Out: 3.057+/-0.079 χ^2/NDF:4389.0/36

All: 3.143+/-0.057 χ^2/NDF: 9155.9/68



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: 37.499+/-0.123 χ^2/NDF:4622.2/15

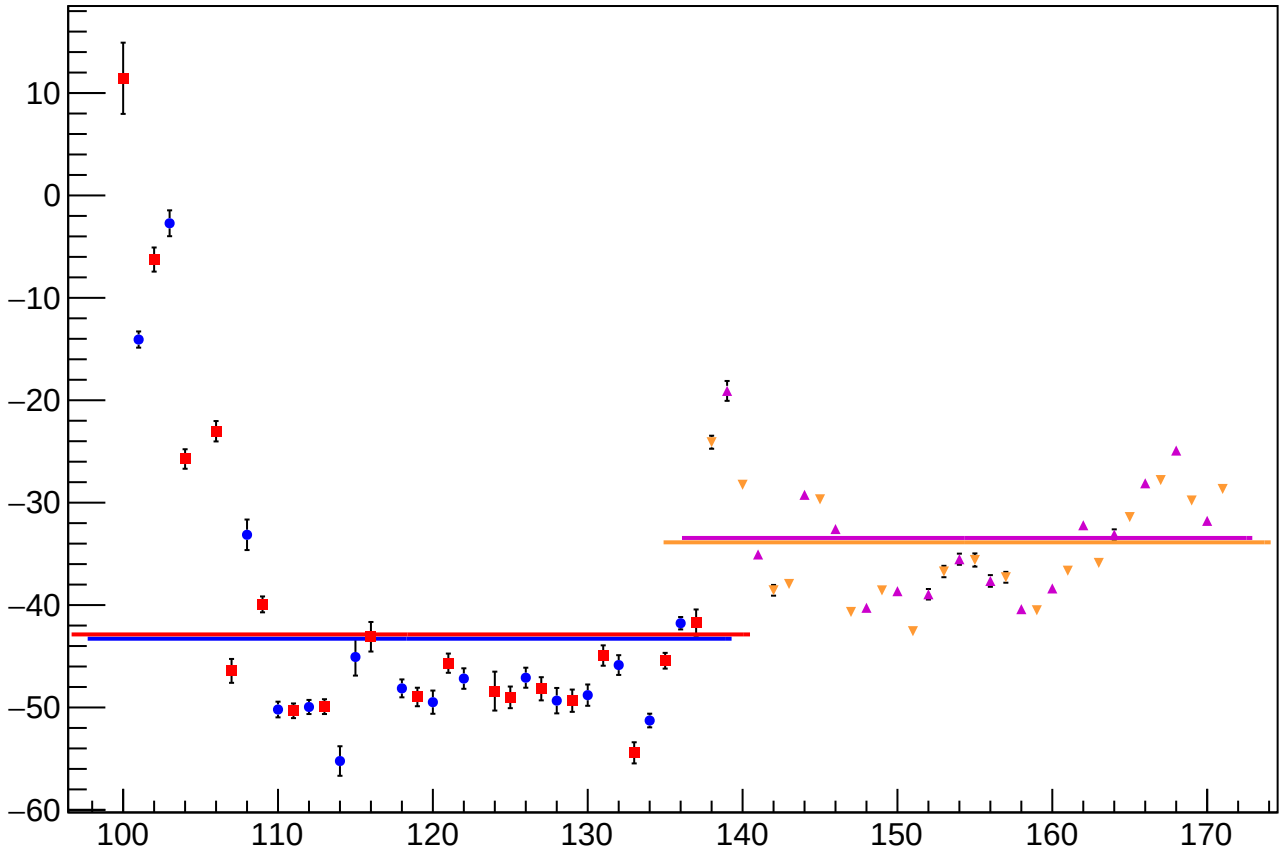
Left: 37.626+/-0.086 χ^2/NDF: 8402.0/33

Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 38.499+/-0.107 χ^2/NDF:7624.4/31

Out: 38.272+/-0.103 χ^2/NDF:6506.5/36

All: 38.382+/-0.074 χ^2/NDF: 14133.2/68



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: -33.447+/-0.103 χ^2/NDF:2200.3/15

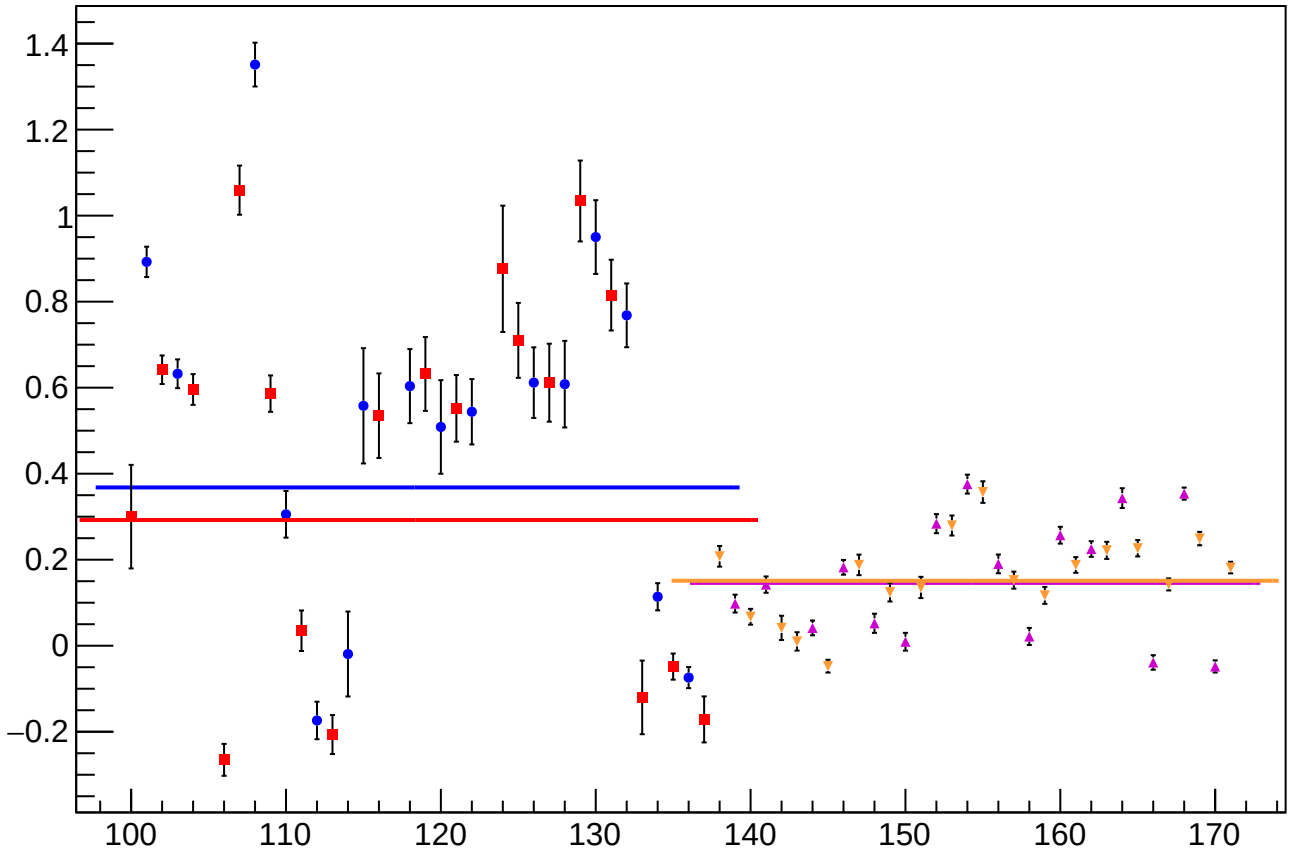
Left: -33.669+/-0.071 χ^2/NDF: 4923.1/33

Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -35.087+/-0.094 χ^2/NDF:6719.1/31

Out: -35.283+/-0.091 χ^2/NDF:6468.3/36

All: -35.188+/-0.065 χ^2/NDF: 13189.7/68



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: 0.146+/-0.005 χ^2/NDF:950.3/15

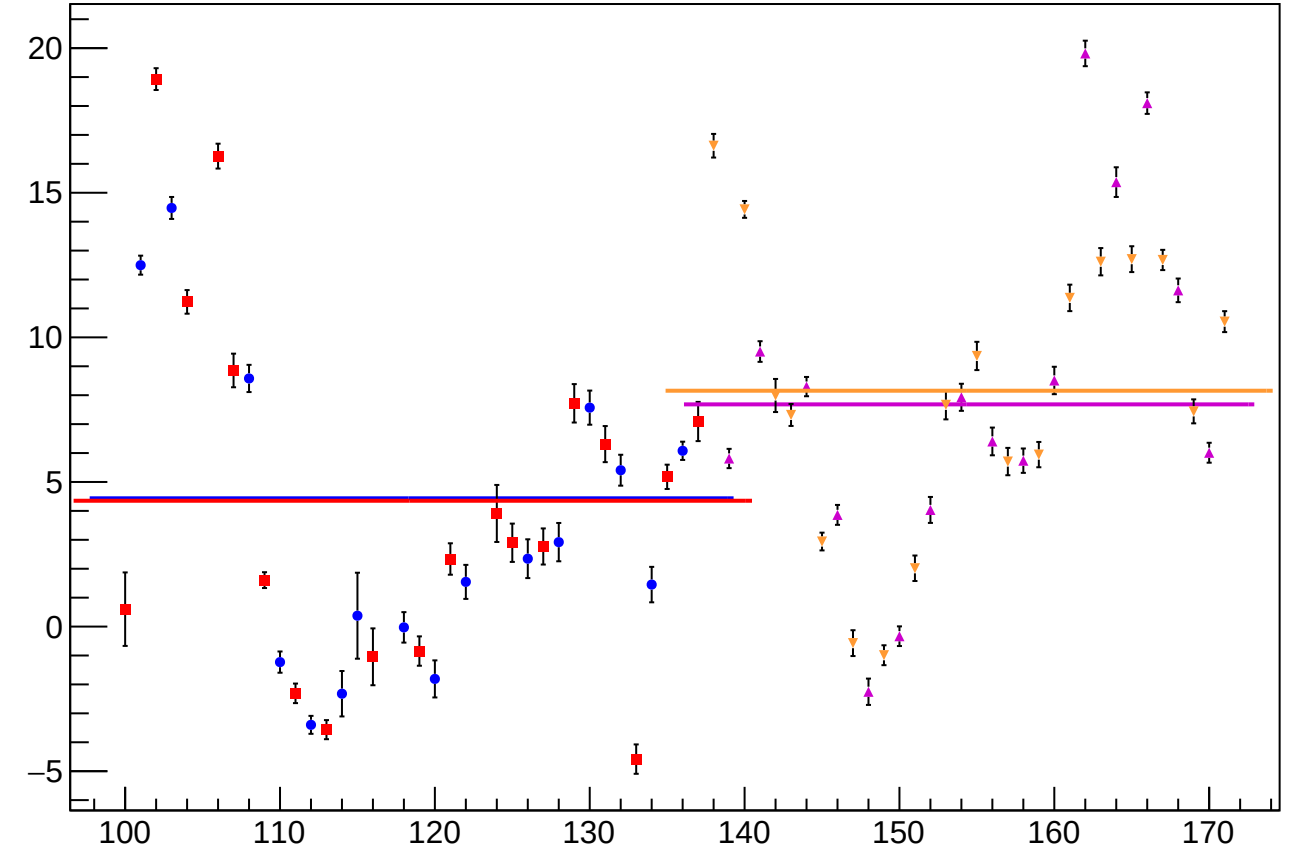
Left: 0.149+/-0.003 χ^2/NDF: 1395.8/33

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.174+/-0.004 χ^2/NDF:2559.8/31

Out: 0.168+/-0.004 χ^2/NDF:1763.9/36

All: 0.171+/-0.003 χ^2/NDF: 4324.8/68



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: 7.683+/-0.099 χ^2/NDF:3194.6/15

Left: 7.928+/-0.069 χ^2/NDF: 6188.8/33

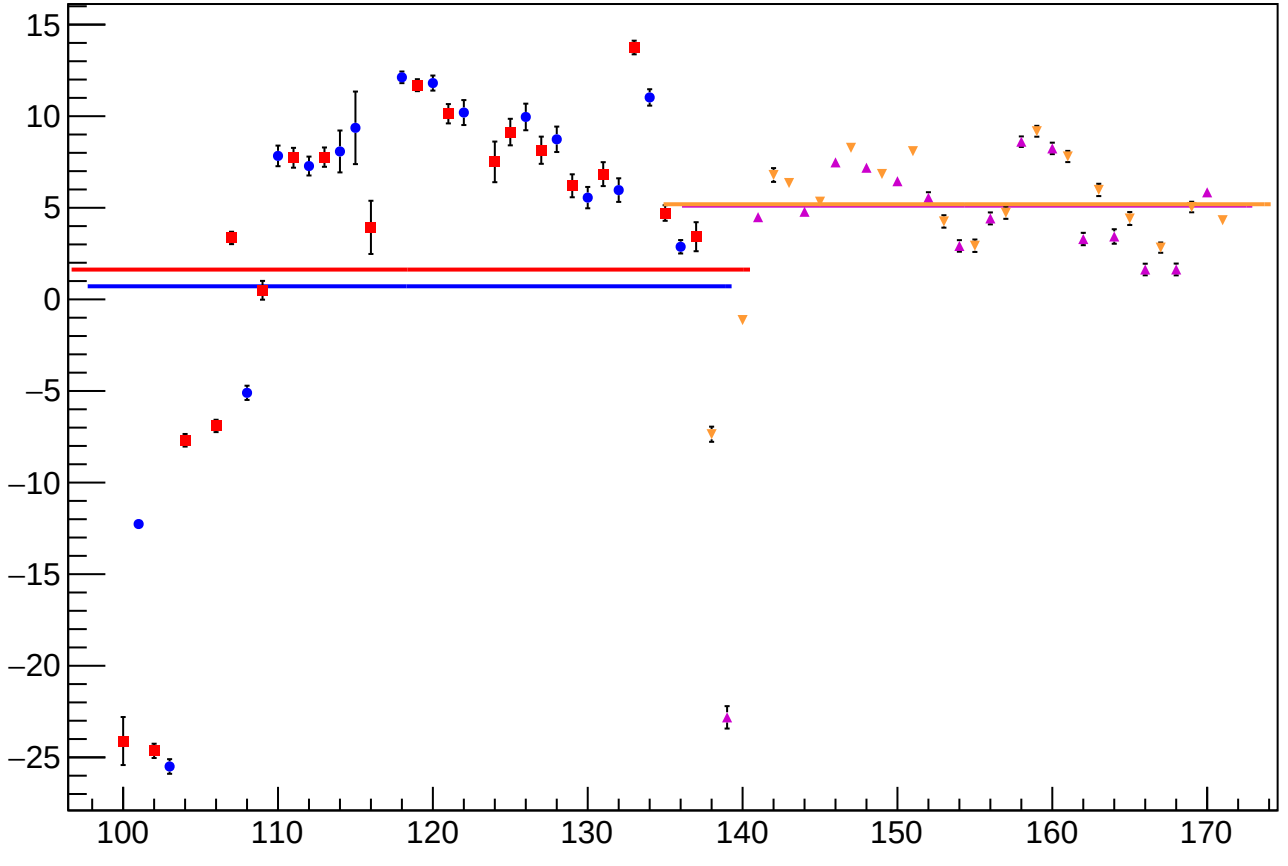
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 6.329+/-0.076 χ^2/NDF:6266.4/31

Out: 6.513+/-0.072 χ^2/NDF:7878.9/36

All: 6.426+/-0.052 χ^2/NDF: 14148.4/68

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: 5.116+/-0.071 χ^2/NDF:2936.2/15

Left: 5.157+/-0.049 χ^2/NDF: 5372.6/33

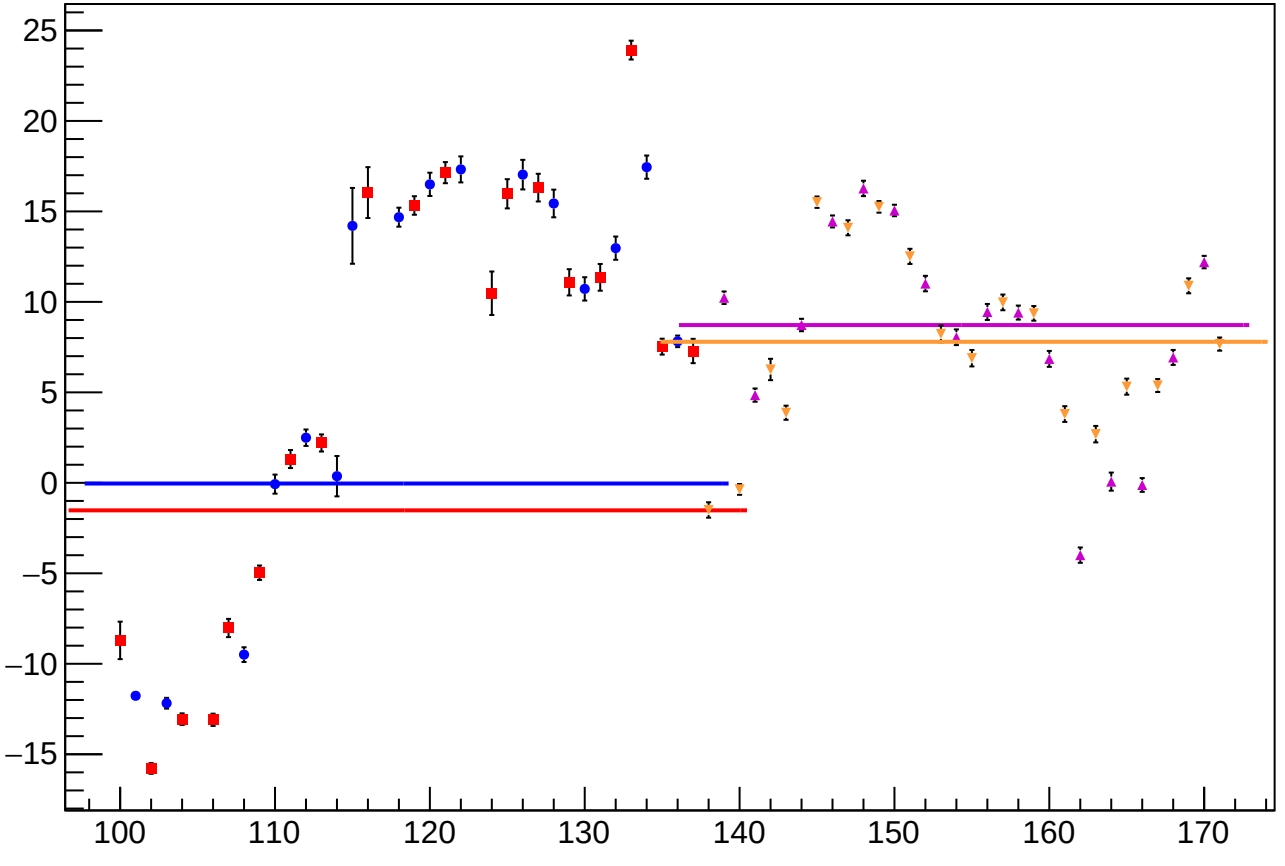
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.921+/-0.060 χ^2/NDF:14440.2/31

Out: 4.239+/-0.057 χ^2/NDF:12447.1/36

All: 4.088+/-0.042 χ^2/NDF: 26901.9/68

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.038+/-0.119 χ^2/NDF: 9274.3/15

Left Out: 7.794+/-0.093 χ^2/NDF:3202.8/17

Right Out: -1.521+/-0.115 χ^2/NDF: 12130.2/18

Left In: 8.720+/-0.097 χ^2/NDF:3056.2/15

Left: 8.242+/-0.067 χ^2/NDF: 6306.4/33

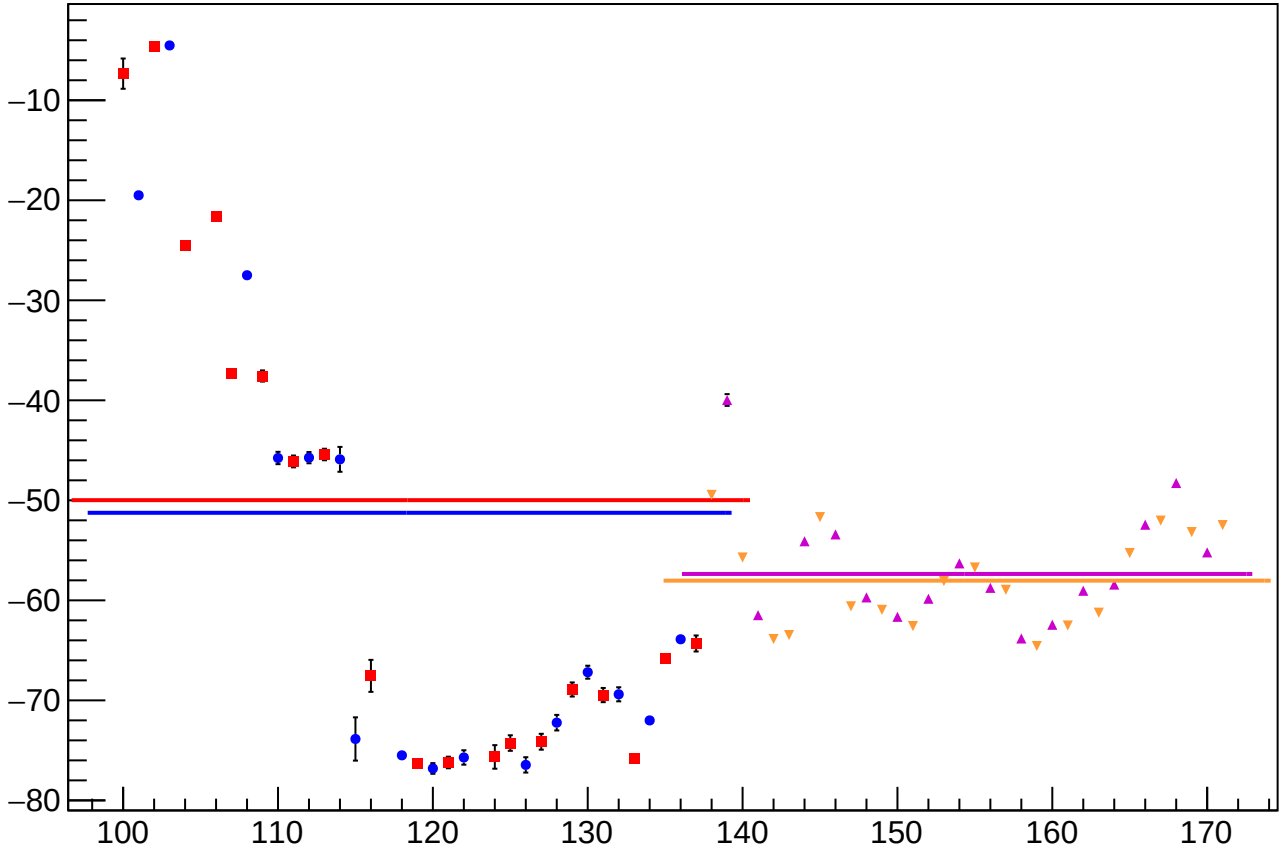
Right: -0.807+/-0.083 χ^2/NDF: 21484.6/34

In: 5.254+/-0.075 χ^2/NDF:15583.7/31

Out: 4.092+/-0.073 χ^2/NDF:19280.2/36

All: 4.653+/-0.052 χ^2/NDF: 34988.0/68

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -57.361+/-0.081 χ^2/NDF:3378.9/15

Left: -57.712+/-0.056 χ^2/NDF: 6890.4/33

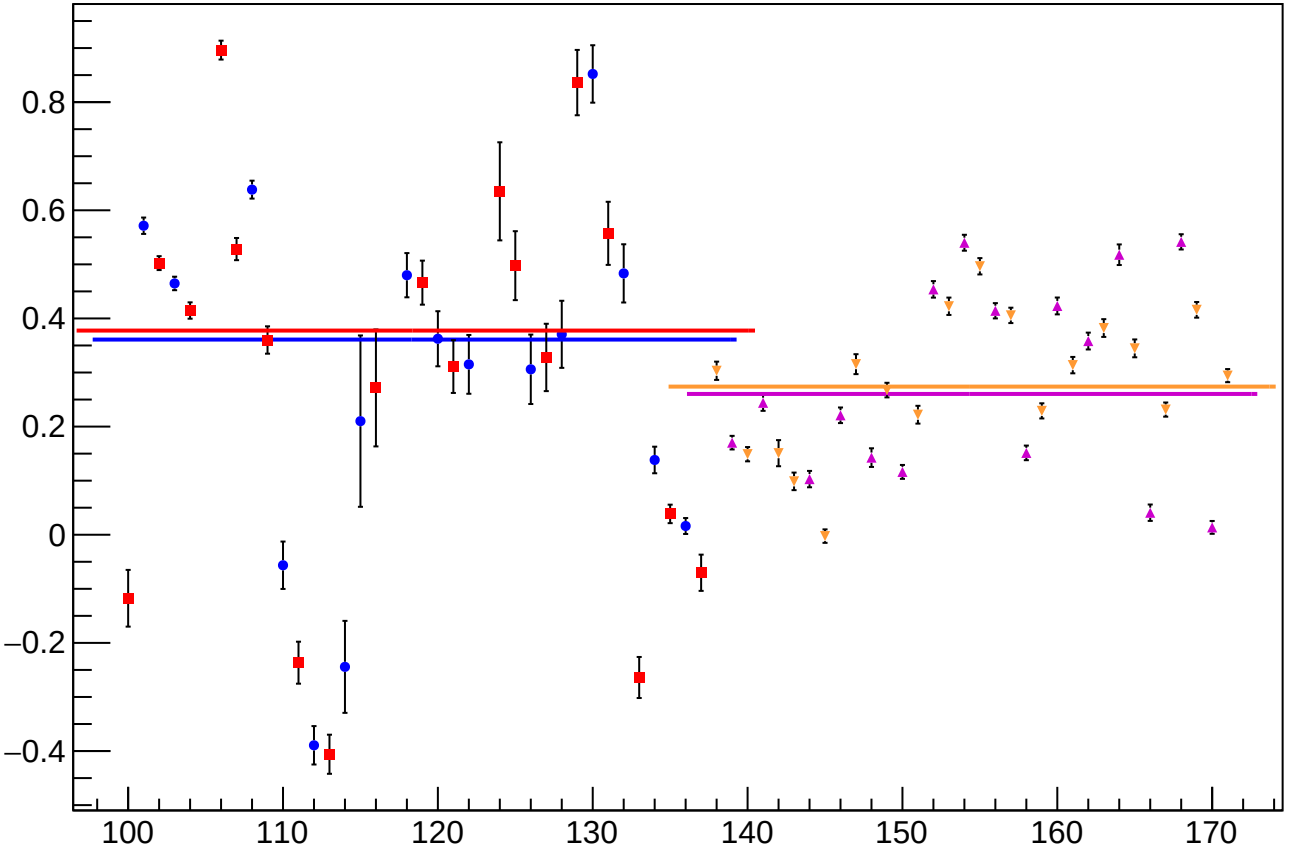
Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.744+/-0.070 χ^2/NDF:38636.7/31

Out: -55.931+/-0.067 χ^2/NDF:40171.7/36

All: -55.842+/-0.048 χ^2/NDF: 78812.2/68

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: 0.260+/-0.004 χ^2/NDF:2414.7/15

Left: 0.267+/-0.003 χ^2/NDF: 3741.0/33

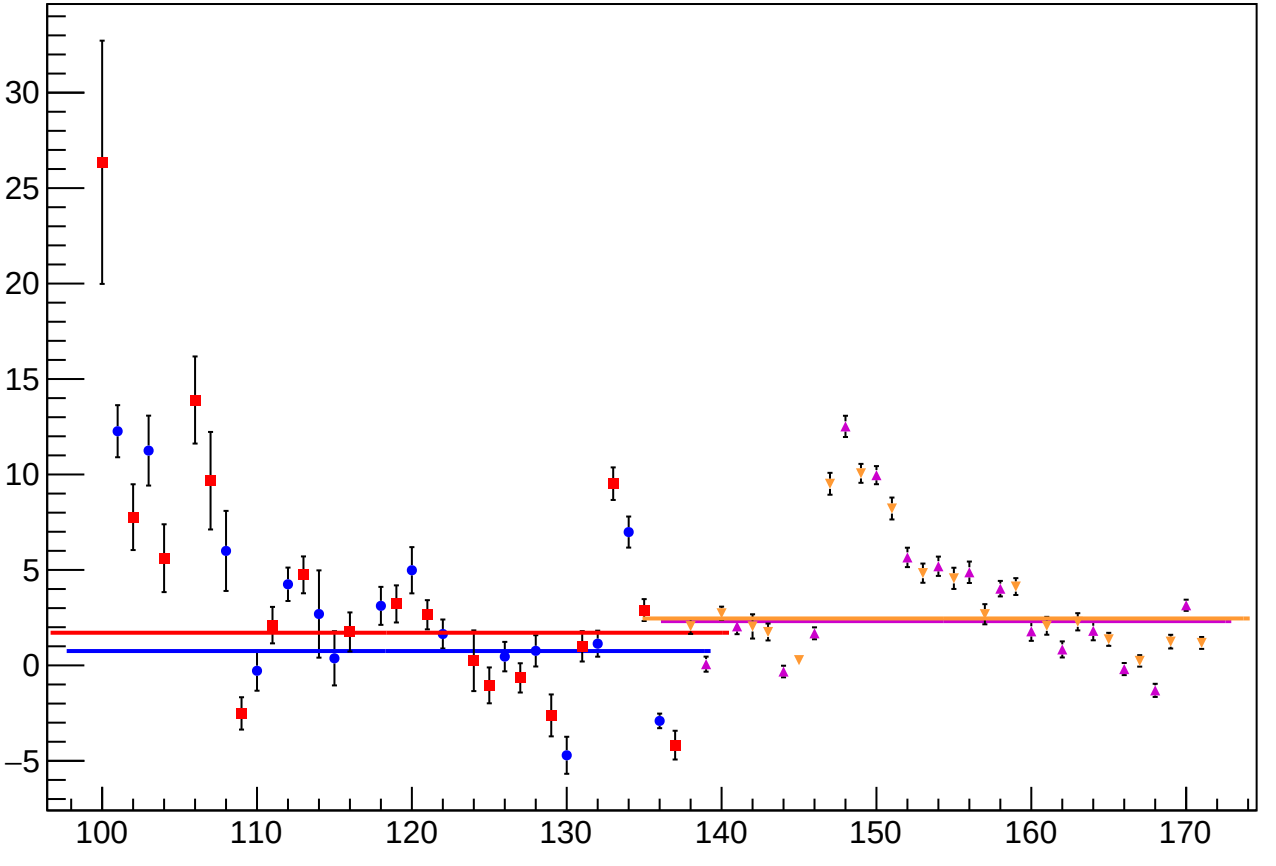
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.285+/-0.003 χ^2/NDF:4463.3/31

Out: 0.300+/-0.003 χ^2/NDF:4325.3/36

All: 0.293+/-0.002 χ^2/NDF: 8799.9/68

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.752+/-0.212 χ^2/NDF: 330.1/15

Left Out: 2.458+/-0.096 χ^2/NDF:705.8/17

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 2.319+/-0.099 χ^2/NDF:1017.8/15

Left: 2.391+/-0.069 χ^2/NDF: 1724.6/33

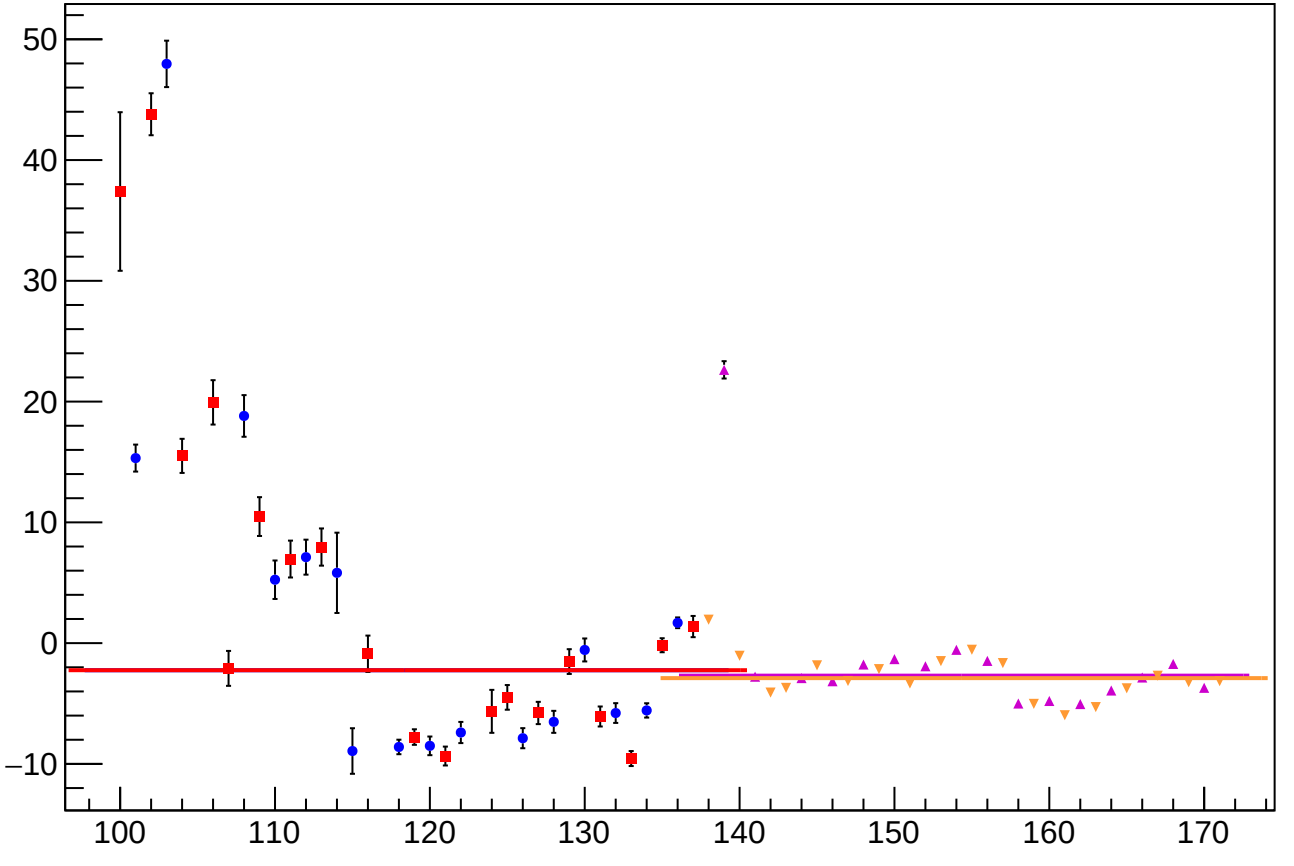
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 2.038+/-0.090 χ^2/NDF:1392.6/31

Out: 2.342+/-0.088 χ^2/NDF:1009.2/36

All: 2.194+/-0.063 χ^2/NDF: 2407.6/68

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: -2.692+/-0.071 χ^2/NDF:1546.2/15

Left: -2.798+/-0.050 χ^2/NDF: 2071.6/33

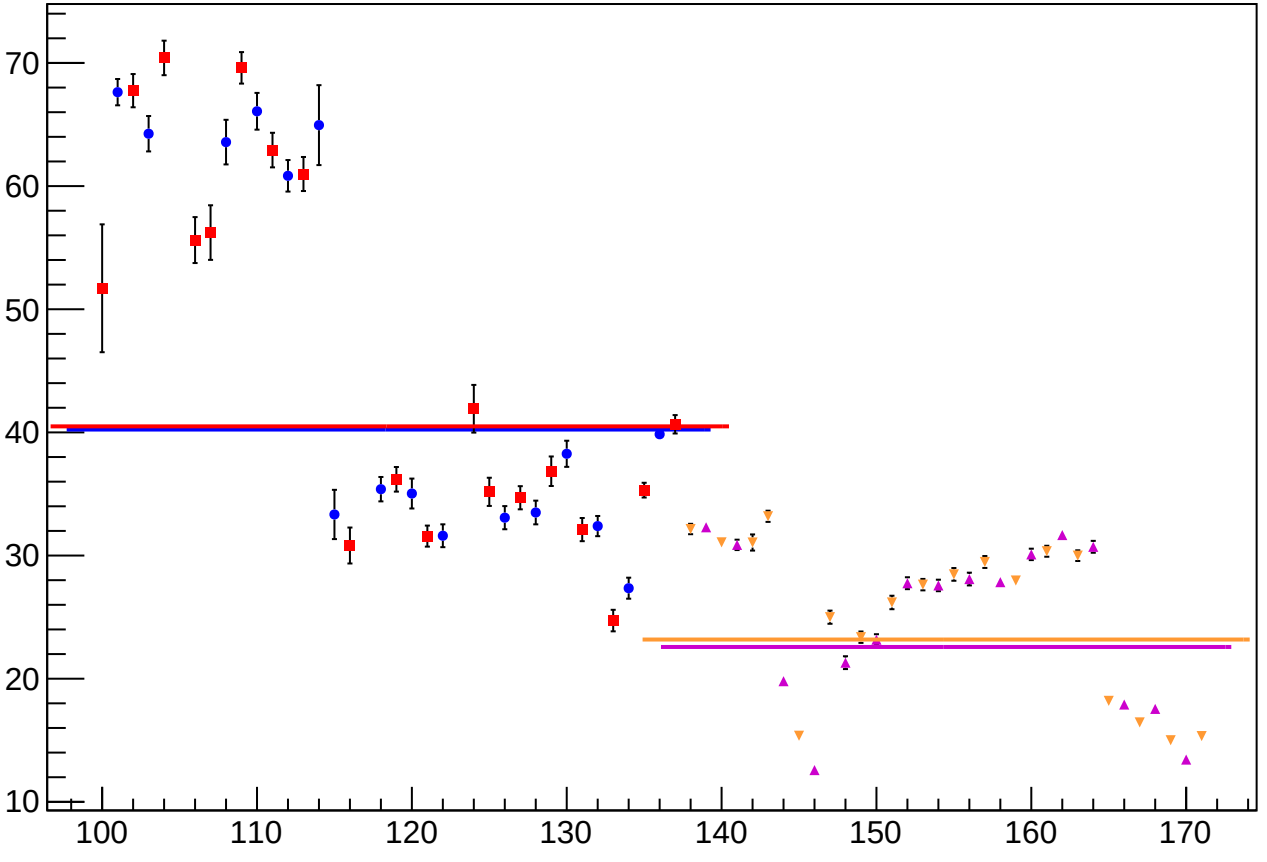
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.648+/-0.068 χ^2/NDF:3122.6/31

Out: -2.843+/-0.066 χ^2/NDF:2084.3/36

All: -2.748+/-0.047 χ^2/NDF: 5211.1/68

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: 22.576+/-0.097 χ^2/NDF:5109.6/15

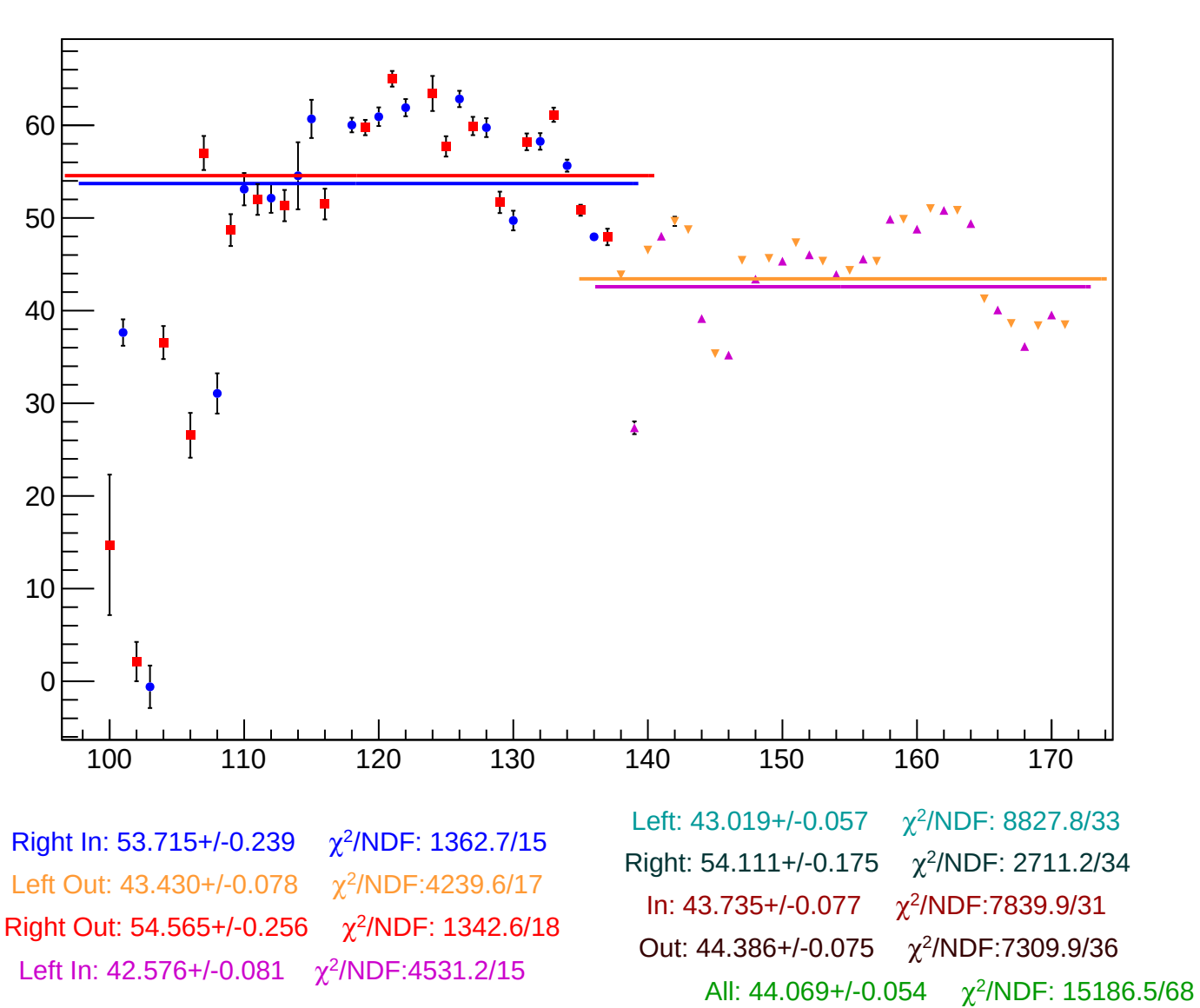
Left: 22.887+/-0.068 χ^2/NDF: 10407.2/33

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

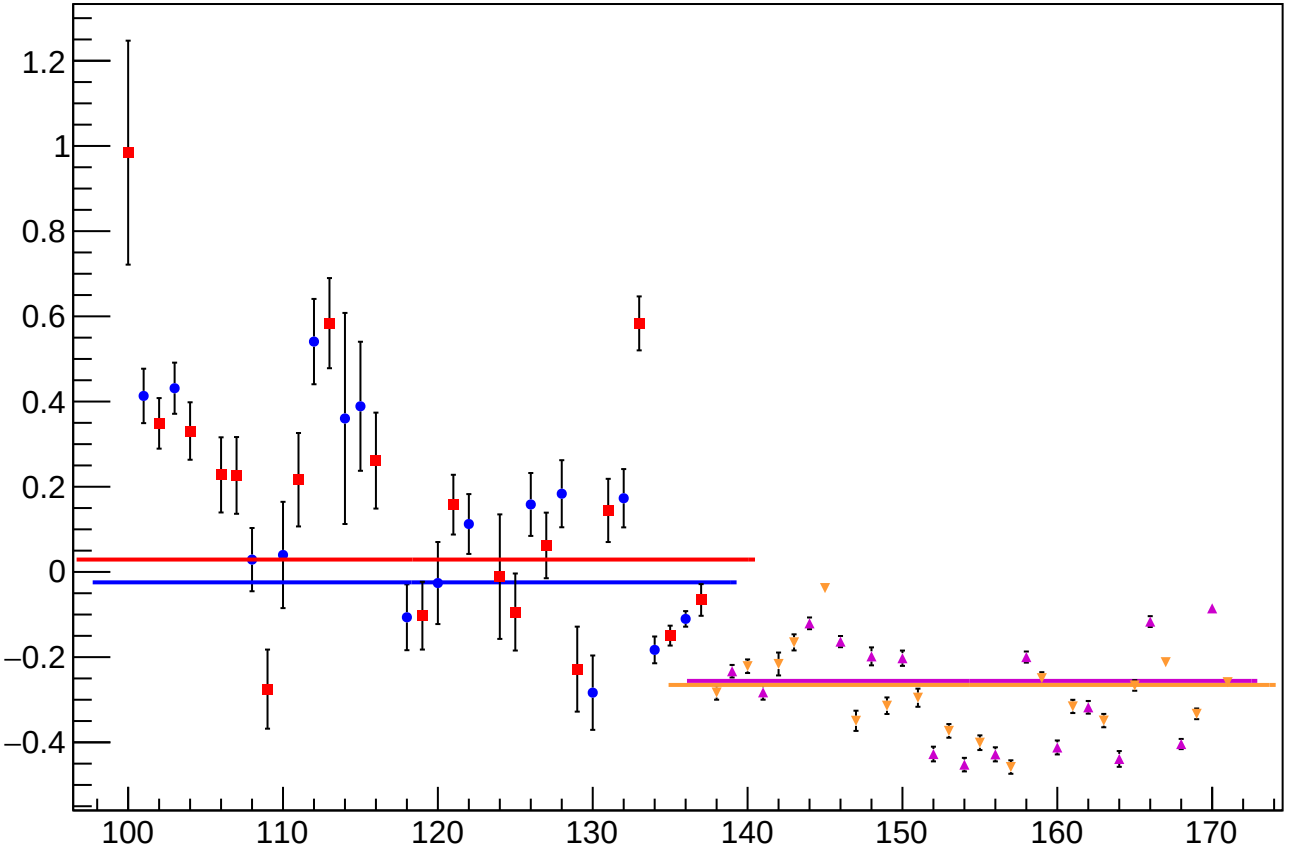
In: 25.229+/-0.090 χ^2/NDF:12346.2/31

Out: 25.343+/-0.089 χ^2/NDF:12156.1/36

All: 25.287+/-0.063 χ^2/NDF: 24503.1/68


reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 53.715+/-0.239 χ2/NDF: 1362.7/15
Left Out: 43.430+/-0.078 χ2/NDF:4239.6/17
Right Out: 54.565+/-0.256 χ2/NDF: 1342.6/18
Left In: 42.576+/-0.081 χ2/NDF:4531.2/15
Left: 43.019+/-0.057 χ2/NDF: 8827.8/33
Right: 54.111+/-0.175 χ2/NDF: 2711.2/34
In: 43.735+/-0.077 χ2/NDF:7839.9/31
Out: 44.386+/-0.075 χ2/NDF:7309.9/36
All: 44.069+/-0.054 χ2/NDF: 15186.5/68

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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: -0.256+/-0.004 χ^2/NDF:1307.7/15

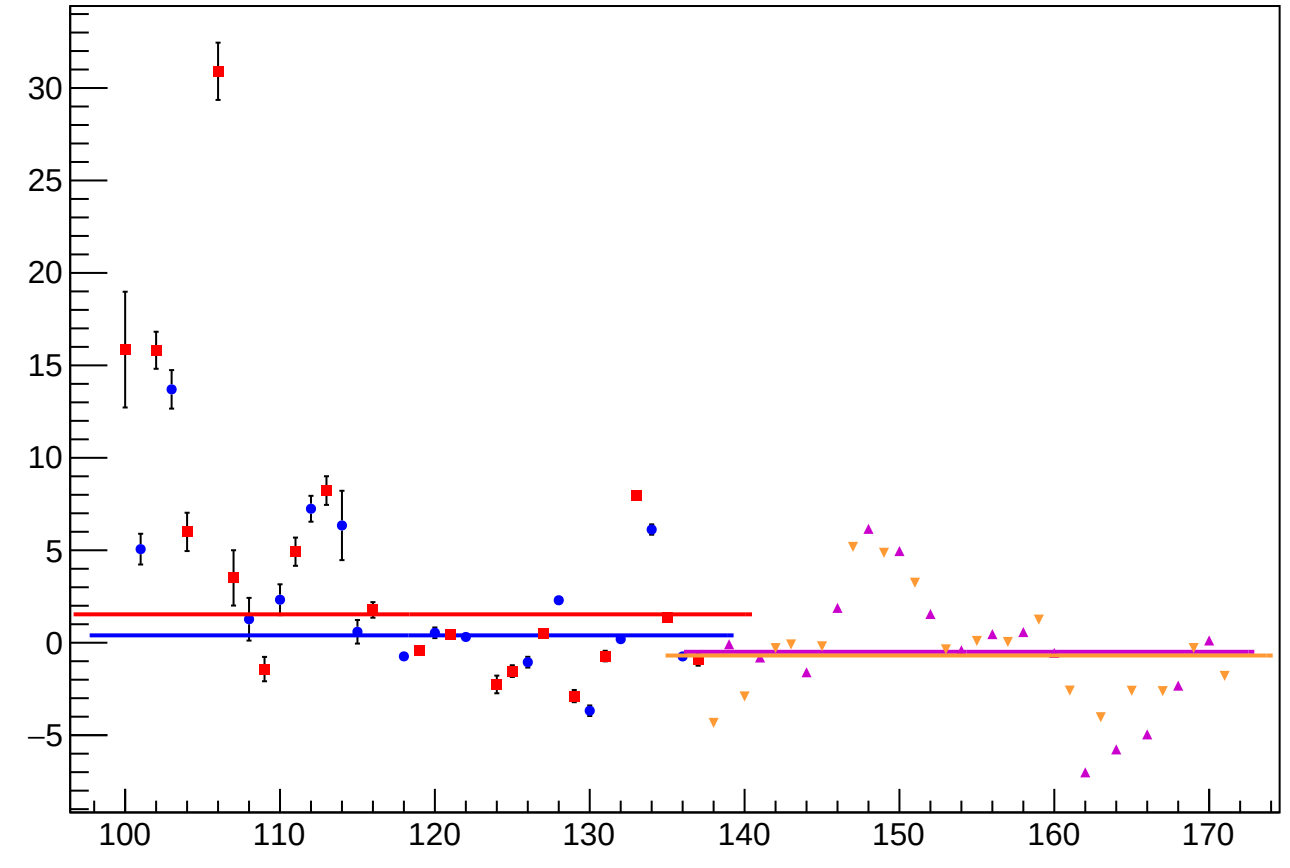
Left: -0.261+/-0.003 χ^2/NDF: 2164.1/33

Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.238+/-0.004 χ^2/NDF:1839.3/31

Out: -0.248+/-0.003 χ^2/NDF:1531.6/36

All: -0.244+/-0.002 χ^2/NDF: 3375.1/68



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: -0.491+/-0.037 χ^2/NDF:6609.0/15

Left: -0.594+/-0.026 χ^2/NDF: 11148.4/33

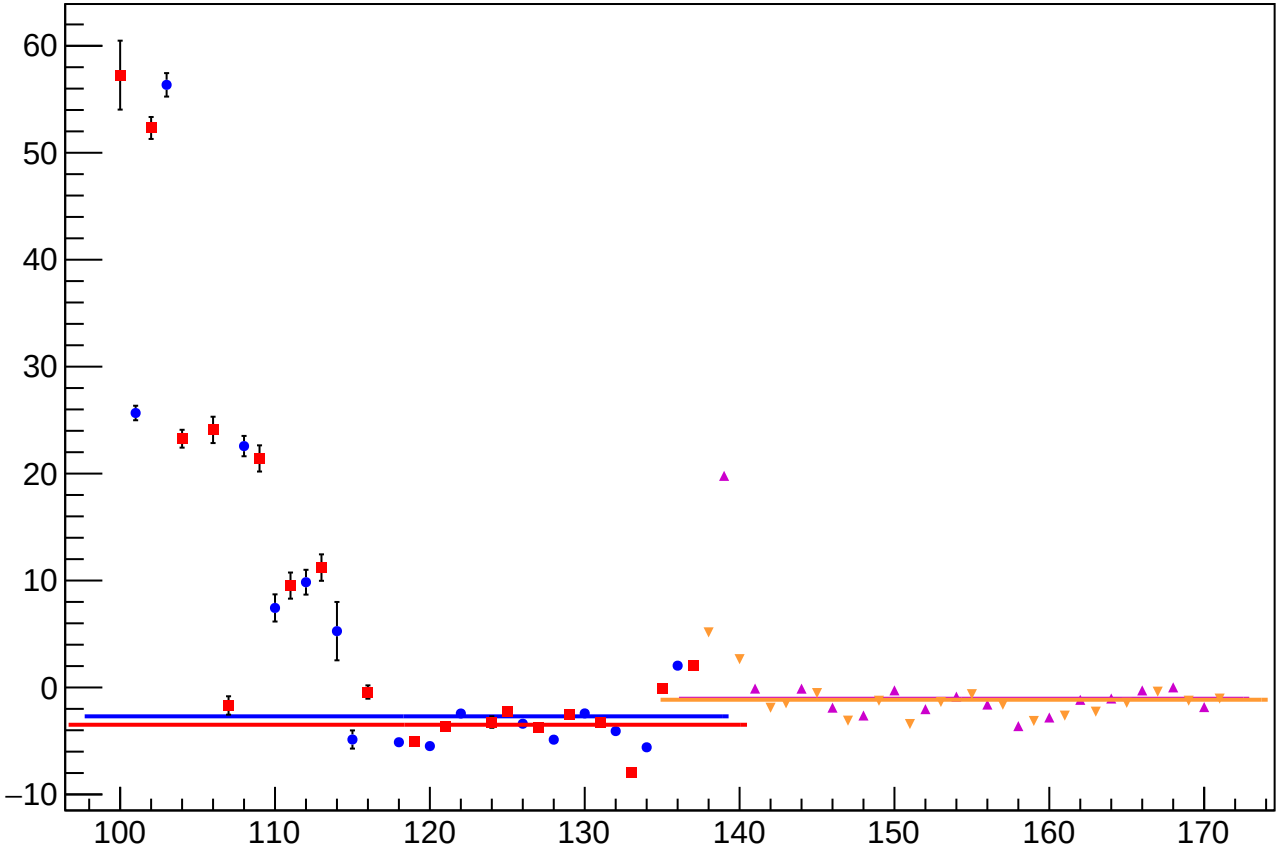
Right: 0.959+/-0.055 χ^2/NDF: 3615.8/34

In: -0.321+/-0.034 χ^2/NDF:7813.9/31

Out: -0.293+/-0.033 χ^2/NDF:7602.1/36

All: -0.306+/-0.024 χ^2/NDF: 15416.4/68

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: -1.053+/-0.027 χ^2/NDF:8319.3/15

Left: -1.101+/-0.019 χ^2/NDF: 12579.2/33

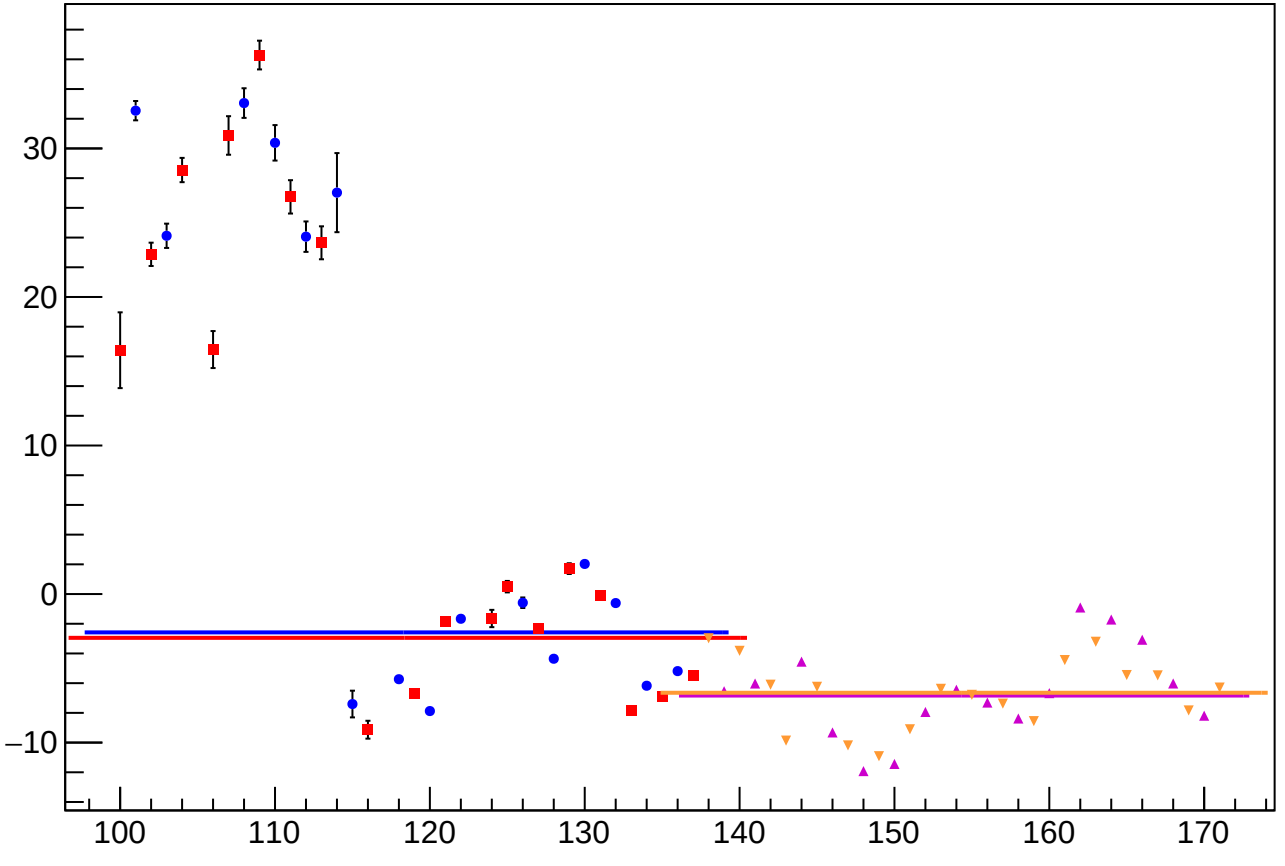
Right: -3.091+/-0.050 χ^2/NDF: 14325.4/34

In: -1.262+/-0.025 χ^2/NDF:15895.8/31

Out: -1.429+/-0.025 χ^2/NDF:12371.7/36

All: -1.348+/-0.018 χ^2/NDF: 28290.0/68

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: -6.834+/-0.037 χ^2/NDF:5722.6/15

Left: -6.738+/-0.026 χ^2/NDF: 9364.6/33

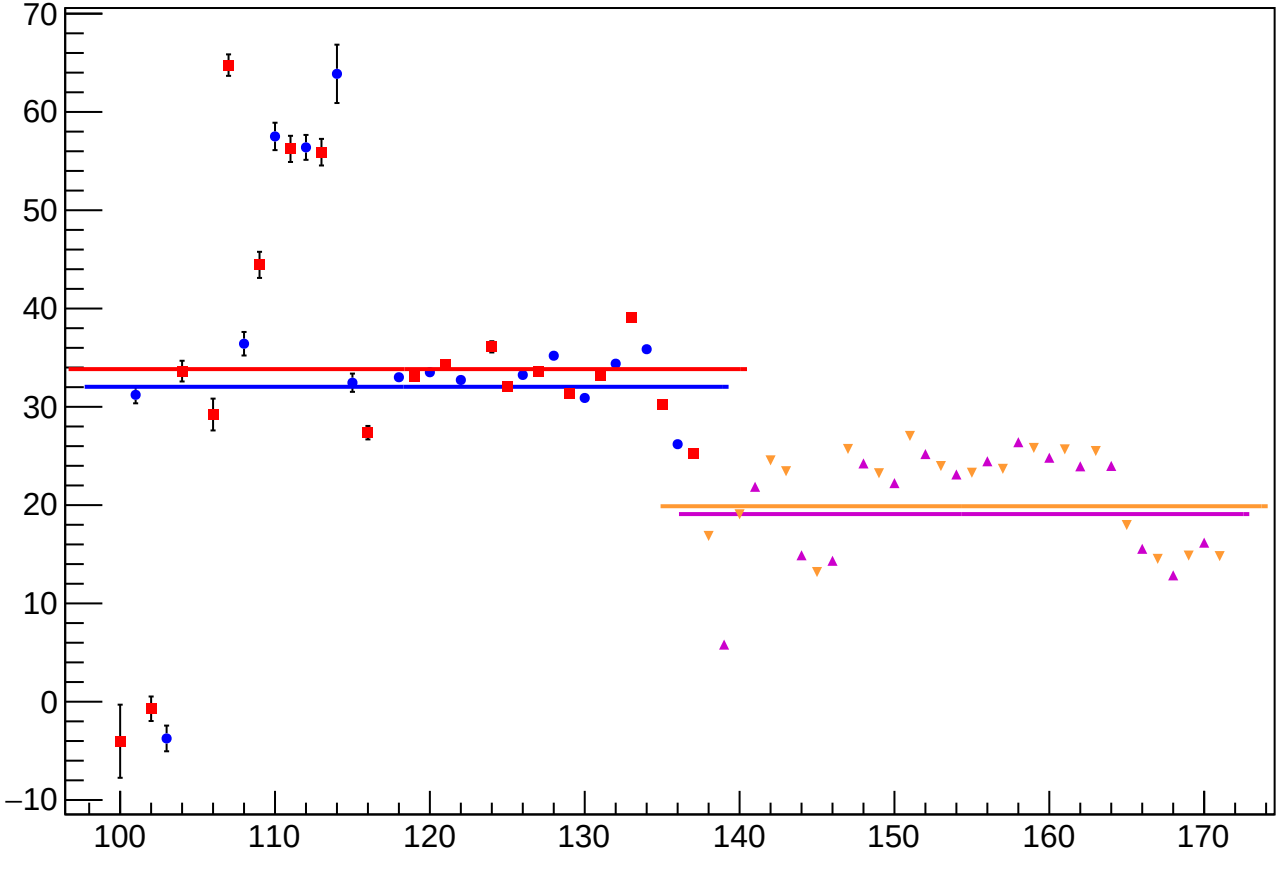
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.135+/-0.034 χ^2/NDF:16070.7/31

Out: -6.079+/-0.033 χ^2/NDF:13429.6/36

All: -6.106+/-0.024 χ^2/NDF: 29501.7/68

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: 19.088+/-0.031 χ^2/NDF:25353.1/15

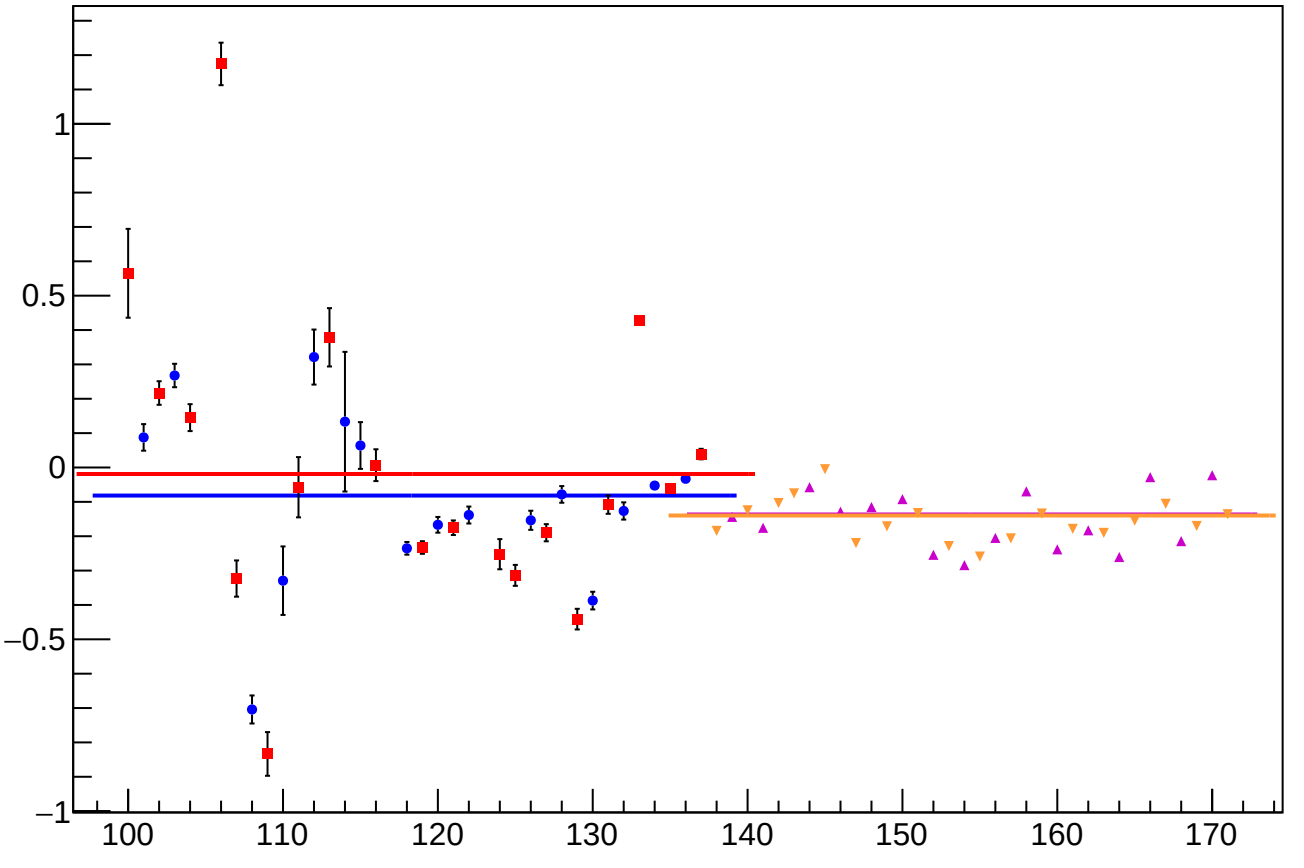
Left: 19.499+/-0.022 χ^2/NDF: 53040.7/33

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 20.739+/-0.029 χ^2/NDF:50753.2/31

Out: 21.563+/-0.028 χ^2/NDF:57289.5/36

All: 21.161+/-0.020 χ^2/NDF: 108456.5/68



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: -0.137+/-0.001 χ^2/NDF:3557.6/15

Left: -0.138+/-0.001 χ^2/NDF: 5818.3/33

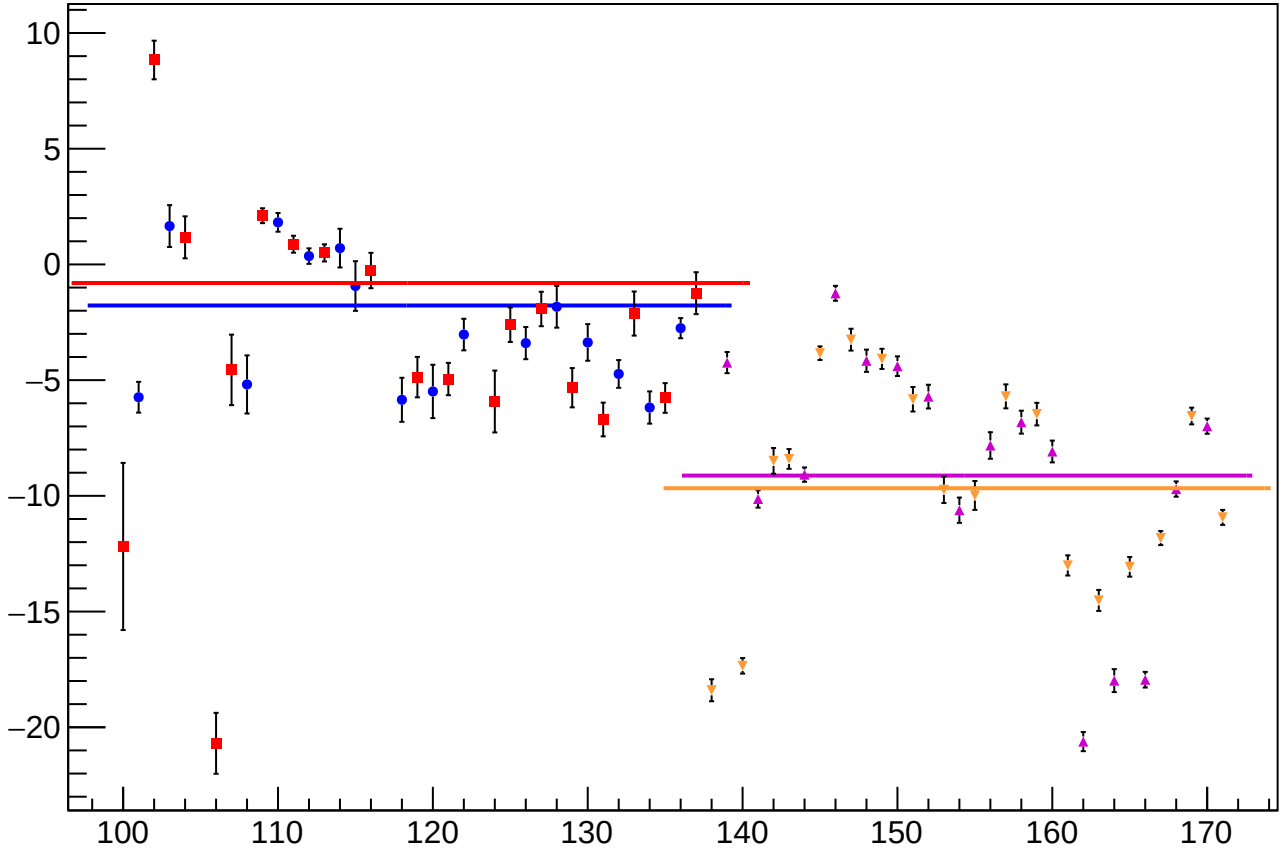
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.133+/-0.001 χ^2/NDF:4367.0/31

Out: -0.132+/-0.001 χ^2/NDF:5037.2/36

All: -0.132+/-0.001 χ^2/NDF: 9404.3/68

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: -9.124+/-0.101 χ^2/NDF:2848.1/15

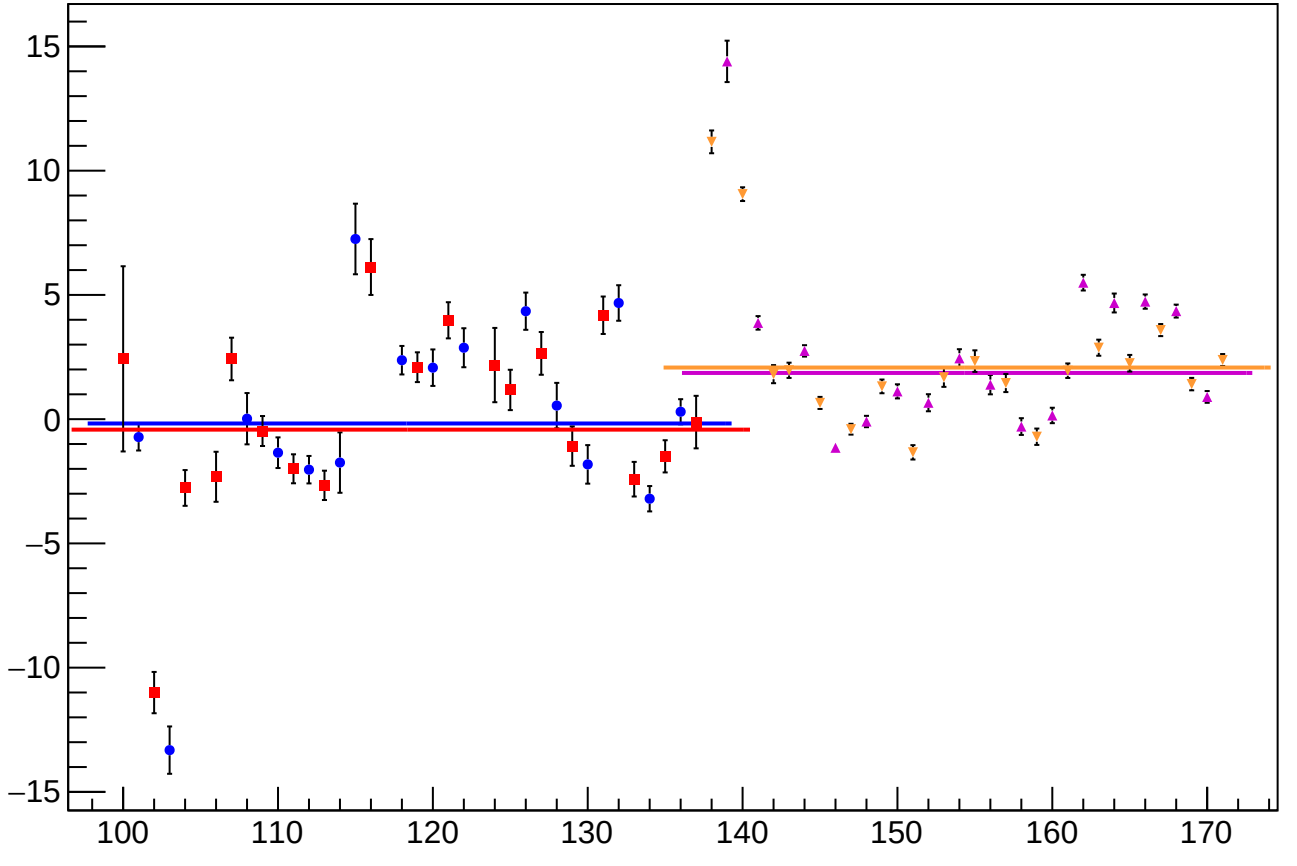
Left: -9.406+/-0.070 χ^2/NDF: 5016.3/33

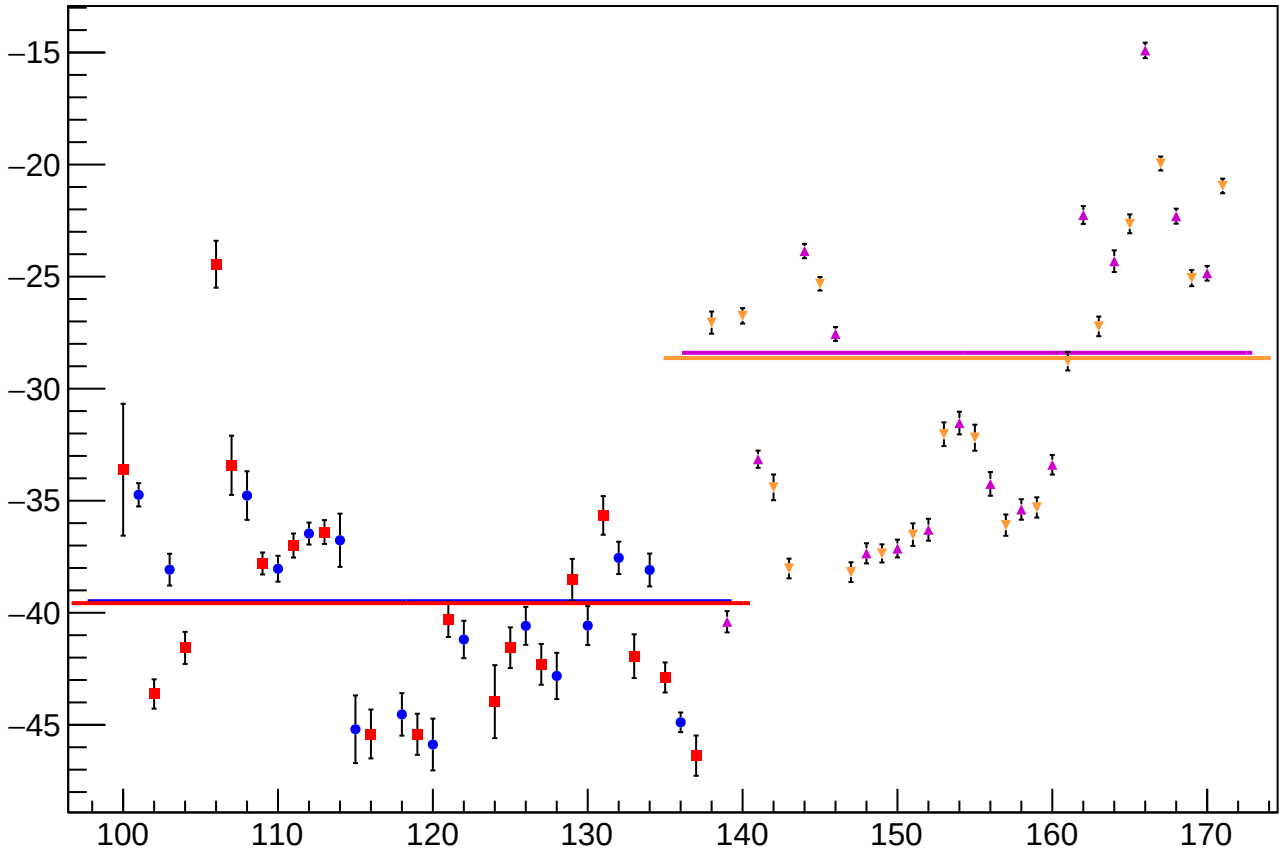
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -6.969+/-0.085 χ^2/NDF:4691.9/31

Out: -6.977+/-0.082 χ^2/NDF:5375.5/36

All: -6.973+/-0.059 χ^2/NDF: 10067.5/68


reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: -0.174+/-0.173 χ²/NDF: 403.1/15
Left Out: 2.078+/-0.069 χ²/NDF:1468.8/17
Right Out: -0.421+/-0.177 χ²/NDF: 366.3/18
Left In: 1.860+/-0.072 χ²/NDF:1098.2/15
Left: 1.972+/-0.050 χ²/NDF: 2571.8/33
Right: -0.295+/-0.124 χ²/NDF: 770.4/34
In: 1.563+/-0.066 χ²/NDF:1619.3/31
Out: 1.746+/-0.065 χ²/NDF:2007.6/36
All: 1.657+/-0.046 χ²/NDF: 3630.9/68



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: -28.400+/-0.099 χ^2/NDF:4951.8/15

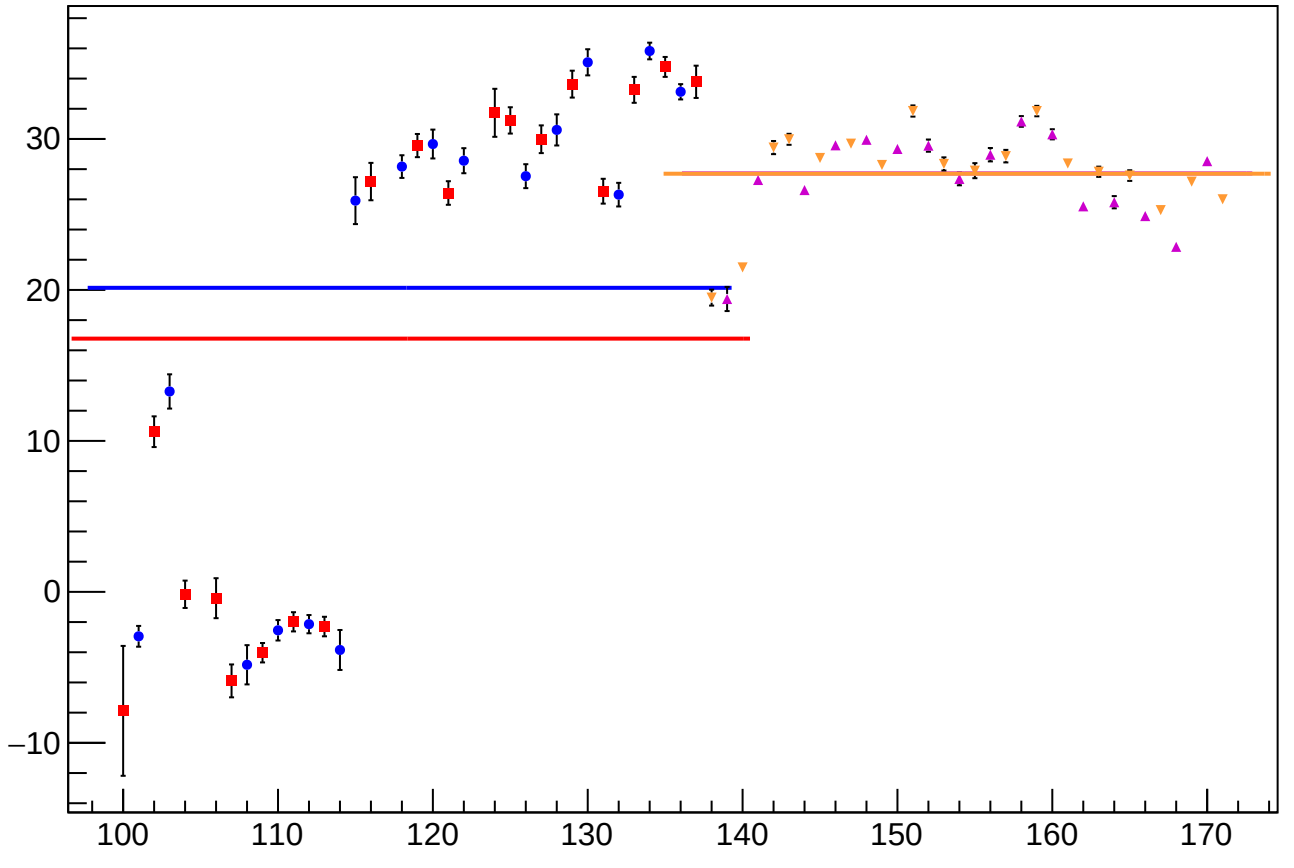
Left: -28.520+/-0.069 χ^2/NDF: 9034.0/33

Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -30.980+/-0.087 χ^2/NDF:8262.8/31

Out: -31.066+/-0.085 χ^2/NDF:7472.0/36

All: -31.024+/-0.061 χ^2/NDF: 15735.3/68



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: 27.717+/-0.083 χ^2/NDF:861.0/15

Left: 27.707+/-0.057 χ^2/NDF: 1977.7/33

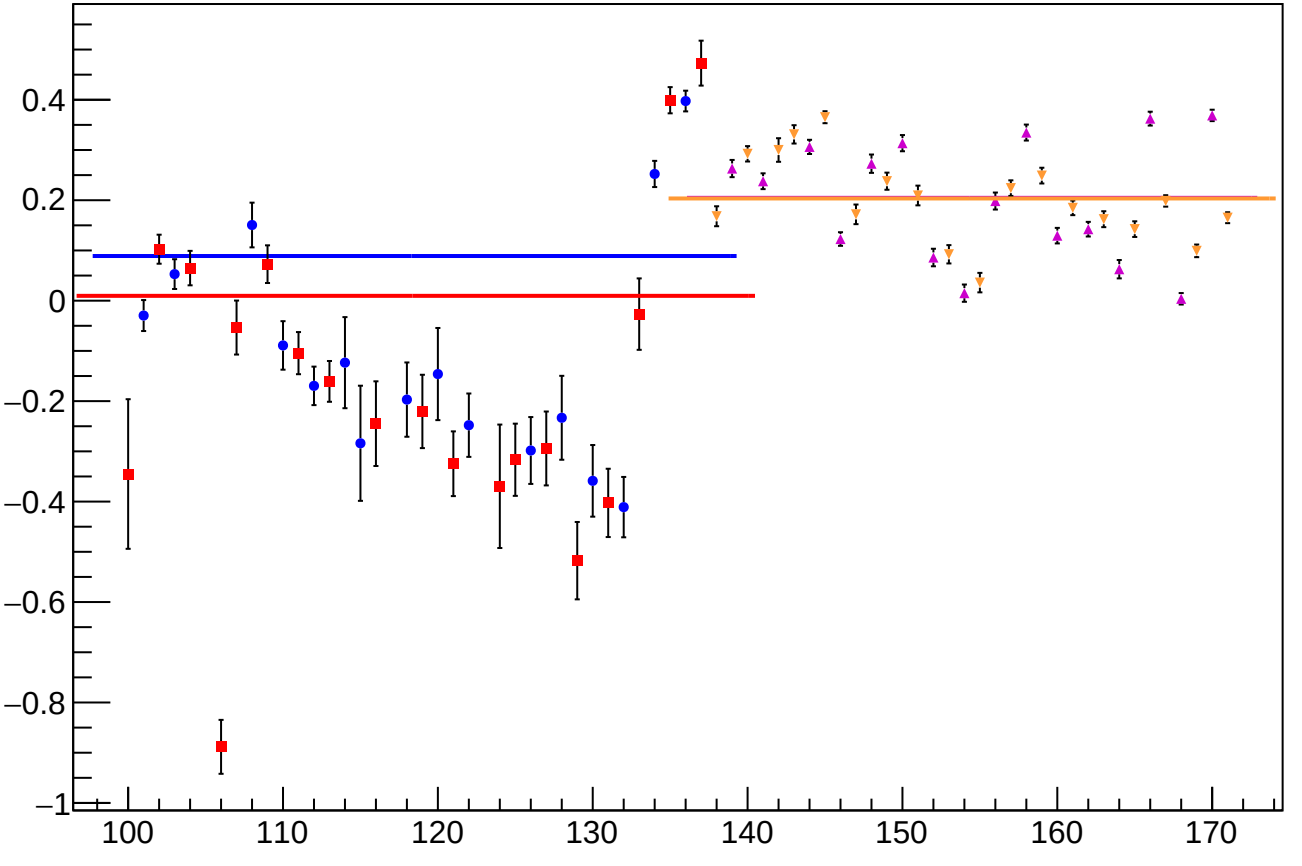
Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.562+/-0.076 χ^2/NDF:8829.2/31

Out: 26.197+/-0.074 χ^2/NDF:10436.3/36

All: 26.375+/-0.053 χ^2/NDF: 19277.3/68

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: 0.205+/-0.004 χ^2/NDF:1149.9/15

Left: 0.204+/-0.003 χ^2/NDF: 1669.9/33

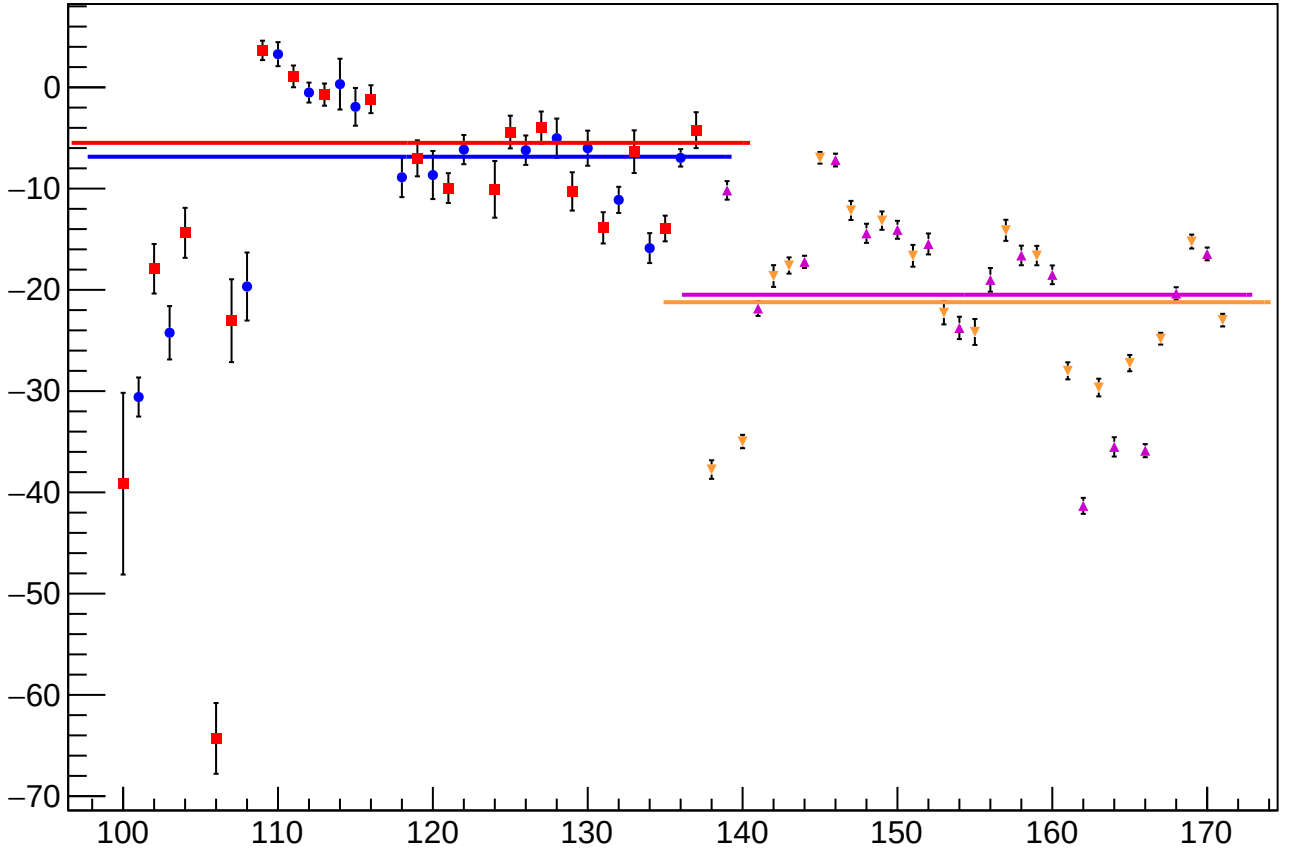
Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

In: 0.192+/-0.004 χ^2/NDF:1823.4/31

Out: 0.185+/-0.003 χ^2/NDF:1634.2/36

All: 0.188+/-0.002 χ^2/NDF: 3459.6/68

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: -20.483+/-0.198 χ^2/NDF:2296.5/15

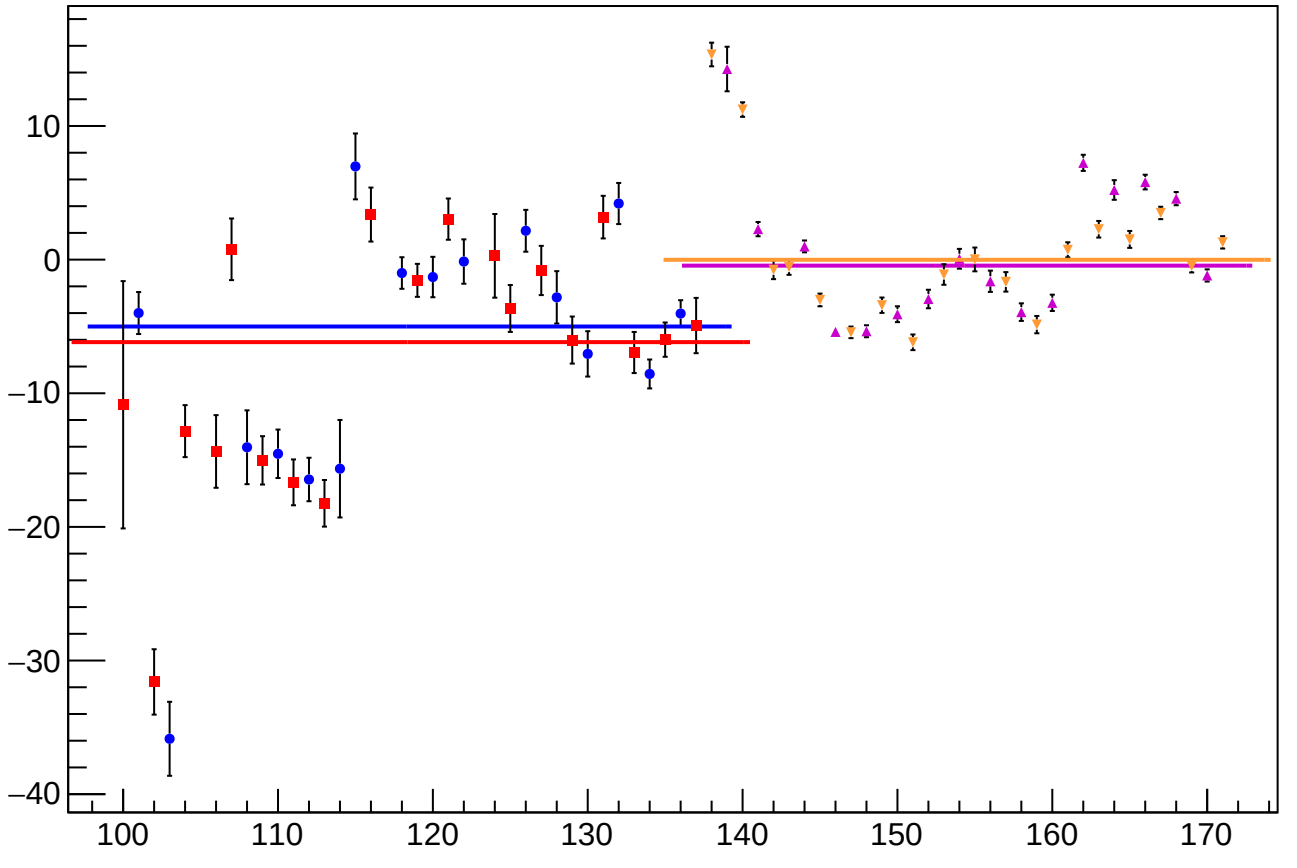
Left: -20.864+/-0.138 χ^2/NDF: 4298.8/33

Right: -6.155+/-0.263 χ^2/NDF: 1003.4/34

In: -17.521+/-0.175 χ^2/NDF:3717.2/31

Out: -17.889+/-0.170 χ^2/NDF:4035.7/36

All: -17.711+/-0.122 χ^2/NDF: 7755.2/68



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: -0.450+/-0.140 χ^2/NDF:968.0/15

Left: -0.224+/-0.097 χ^2/NDF: 2195.6/33

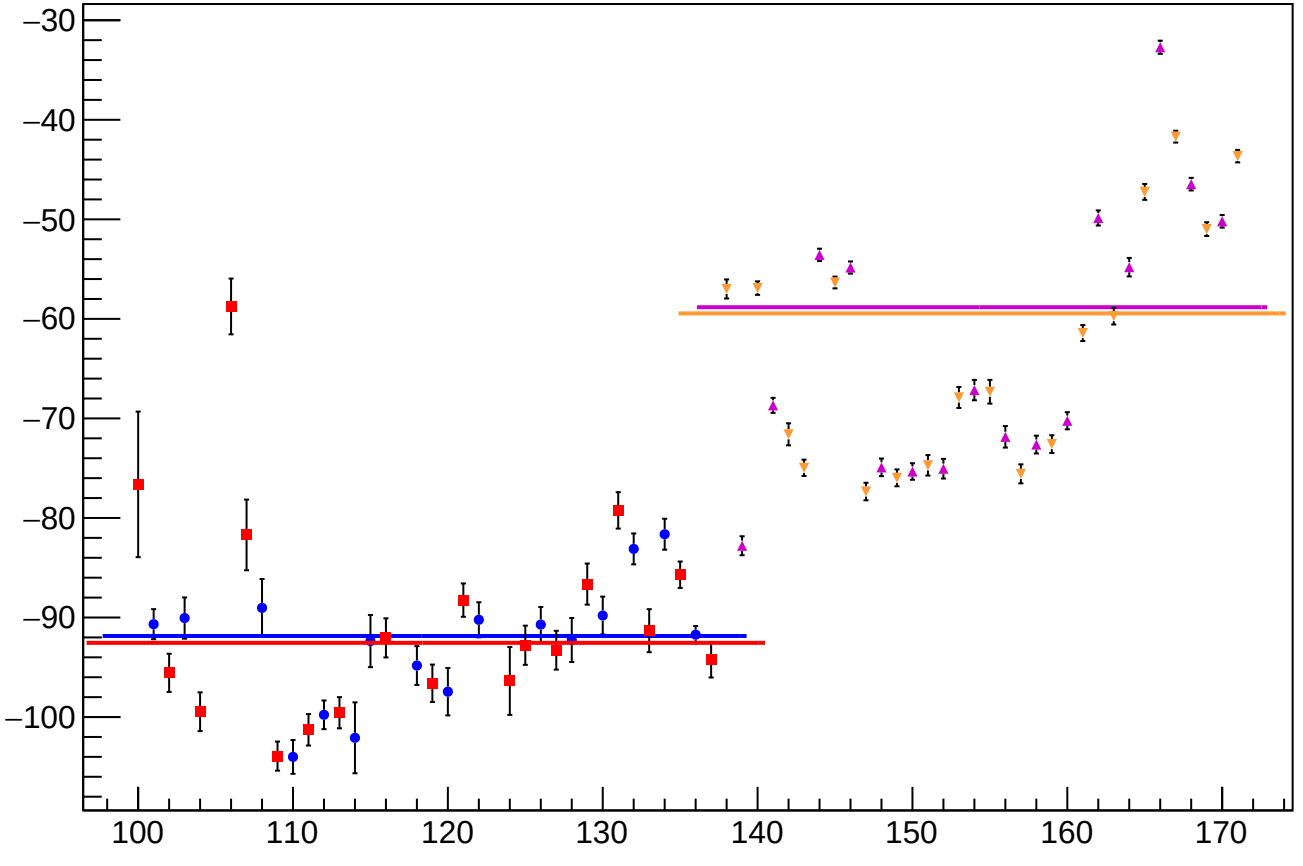
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -0.956+/-0.132 χ^2/NDF:1427.7/31

Out: -0.602+/-0.129 χ^2/NDF:1789.5/36

All: -0.775+/-0.092 χ^2/NDF: 3220.9/68

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -91.856+/-0.424 χ^2/NDF: 177.3/15

Left Out: -59.449+/-0.189 χ^2/NDF:4056.9/17

Right Out: -92.544+/-0.439 χ^2/NDF: 387.8/18

Left In: -58.830+/-0.194 χ^2/NDF:4827.8/15

Left: -59.147+/-0.136 χ^2/NDF: 8889.9/33

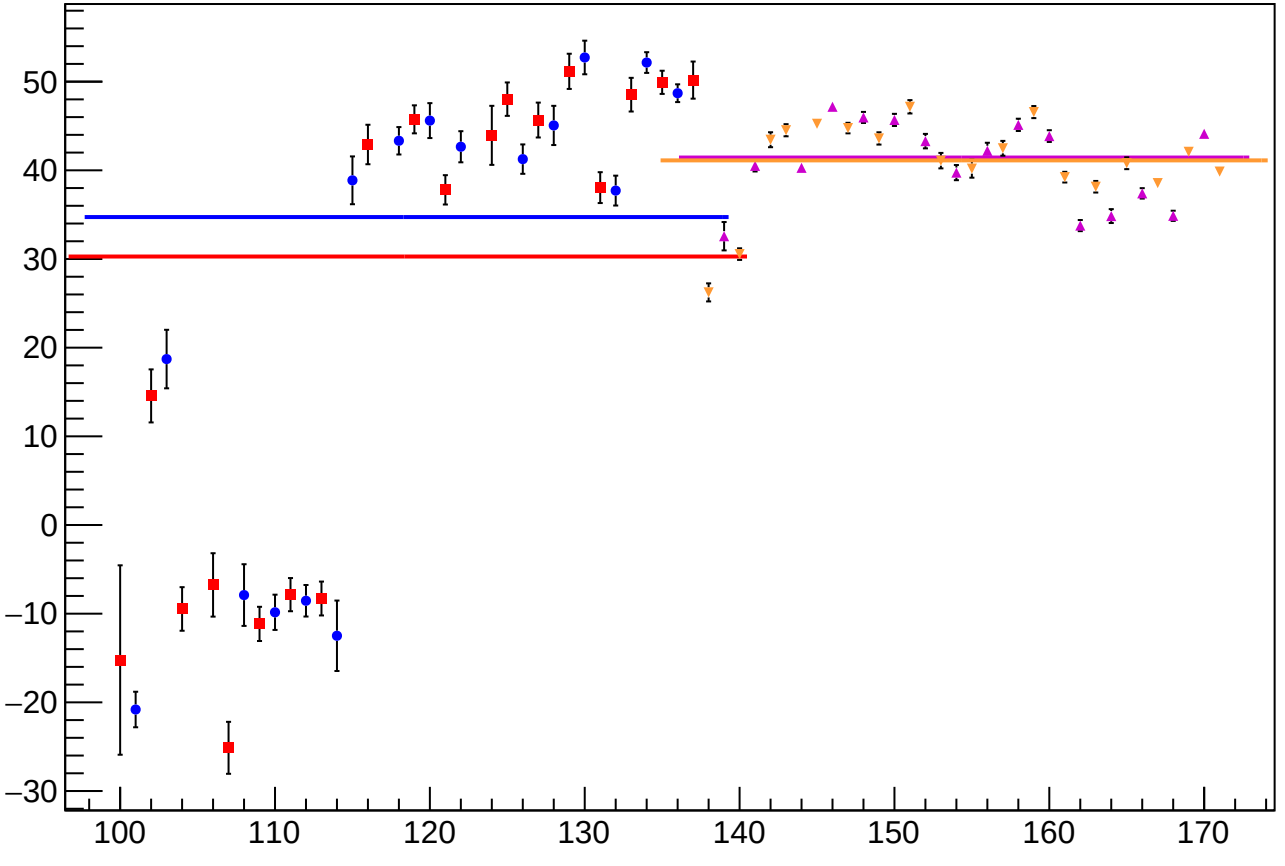
Right: -92.188+/-0.305 χ^2/NDF: 566.3/34

In: -64.562+/-0.177 χ^2/NDF:10018.3/31

Out: -64.627+/-0.174 χ^2/NDF:9233.4/36

All: -64.595+/-0.124 χ^2/NDF: 19251.7/68

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+/-0.161 χ^2/NDF:756.2/15

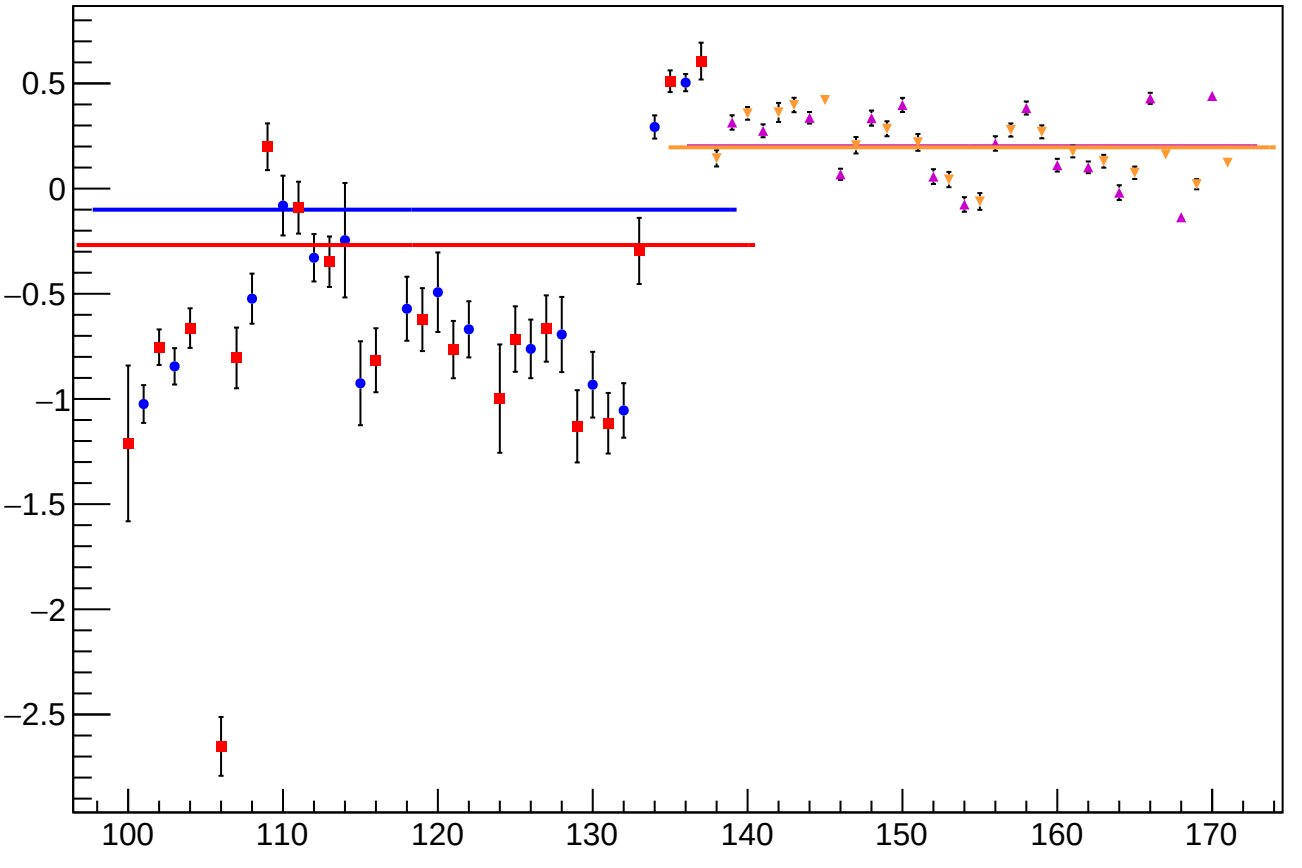
Left: 41.275+/-0.112 χ^2/NDF: 1569.1/33

Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.651+/-0.152 χ^2/NDF:3768.8/31

Out: 40.036+/-0.148 χ^2/NDF:4206.9/36

All: 40.336+/-0.106 χ^2/NDF: 7984.2/68



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: 0.201+/-0.007 χ^2/NDF:724.9/15

Left: 0.199+/-0.005 χ^2/NDF: 1062.7/33

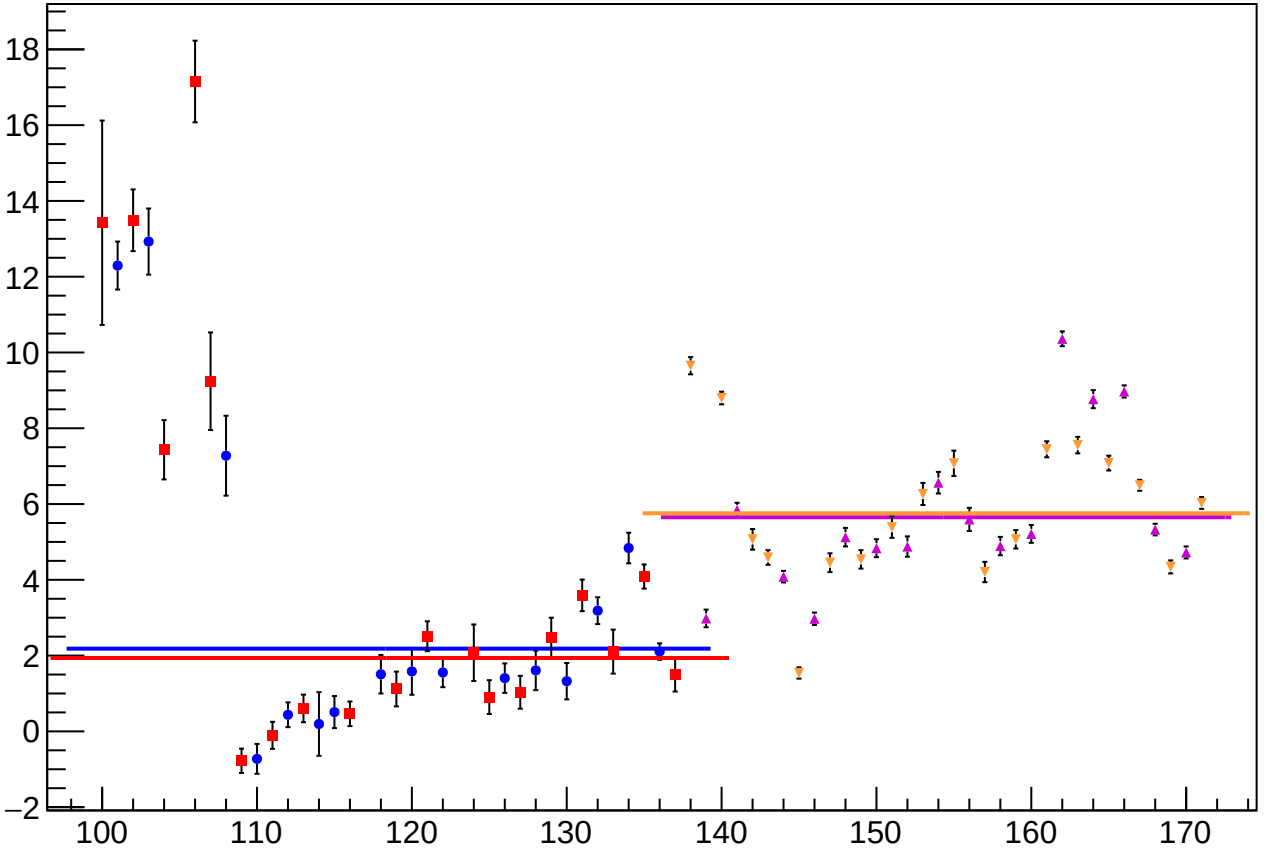
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.176+/-0.007 χ^2/NDF:1500.3/31

Out: 0.165+/-0.007 χ^2/NDF:1450.0/36

All: 0.170+/-0.005 χ^2/NDF: 2951.5/68

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: 5.651+/-0.050 χ^2/NDF:1770.9/15

Left: 5.706+/-0.035 χ^2/NDF: 3630.3/33

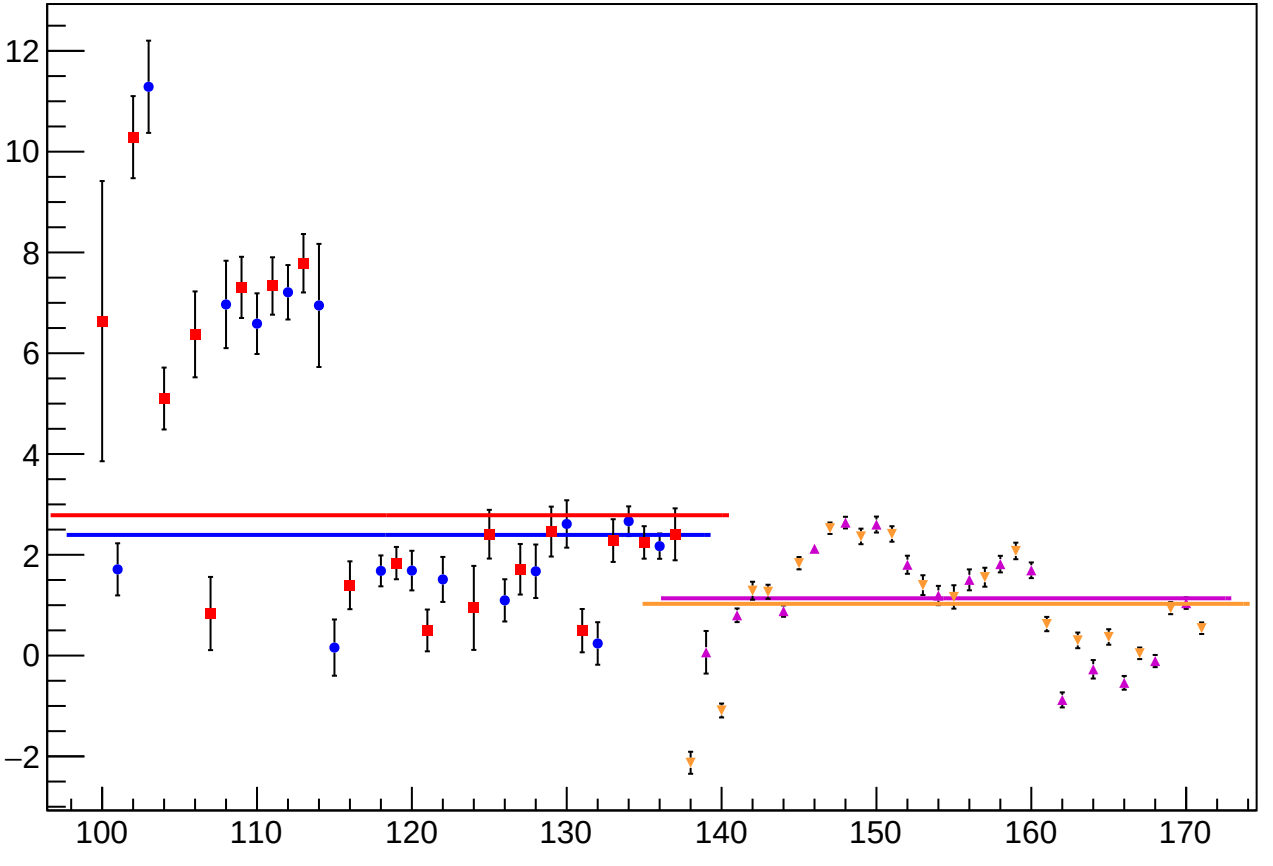
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.008+/-0.045 χ^2/NDF:3258.8/31

Out: 5.096+/-0.044 χ^2/NDF:3659.1/36

All: 5.053+/-0.031 χ^2/NDF: 6919.8/68

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: 1.136+/-0.035 χ^2/NDF:924.3/15

Left: 1.080+/-0.025 χ^2/NDF: 1943.7/33

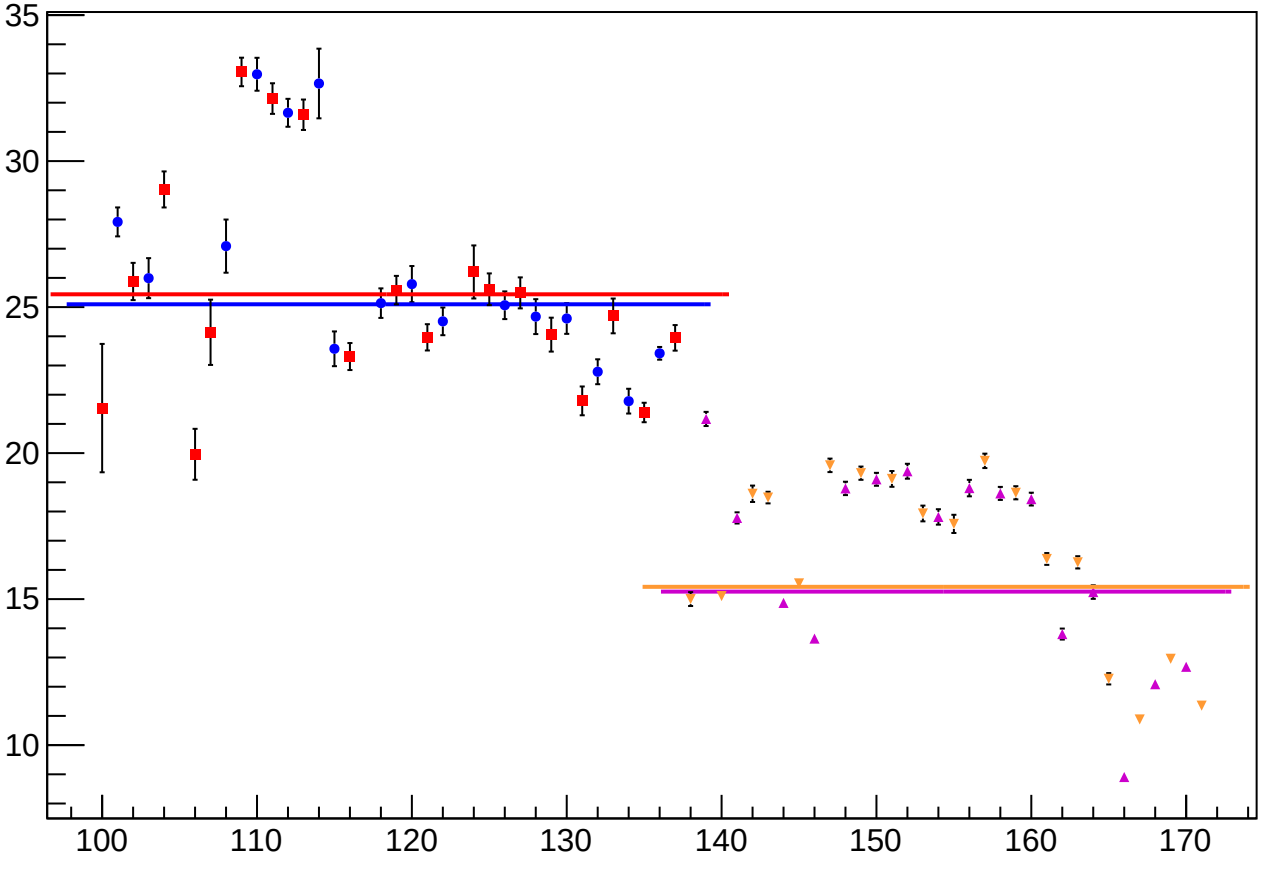
Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

In: 1.258+/-0.034 χ^2/NDF:1380.0/31

Out: 1.168+/-0.033 χ^2/NDF:1636.9/36

All: 1.212+/-0.024 χ^2/NDF: 3020.6/68

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: 15.257+/-0.049 χ^2/NDF:4608.0/15

Left: 15.341+/-0.034 χ^2/NDF: 8565.4/33

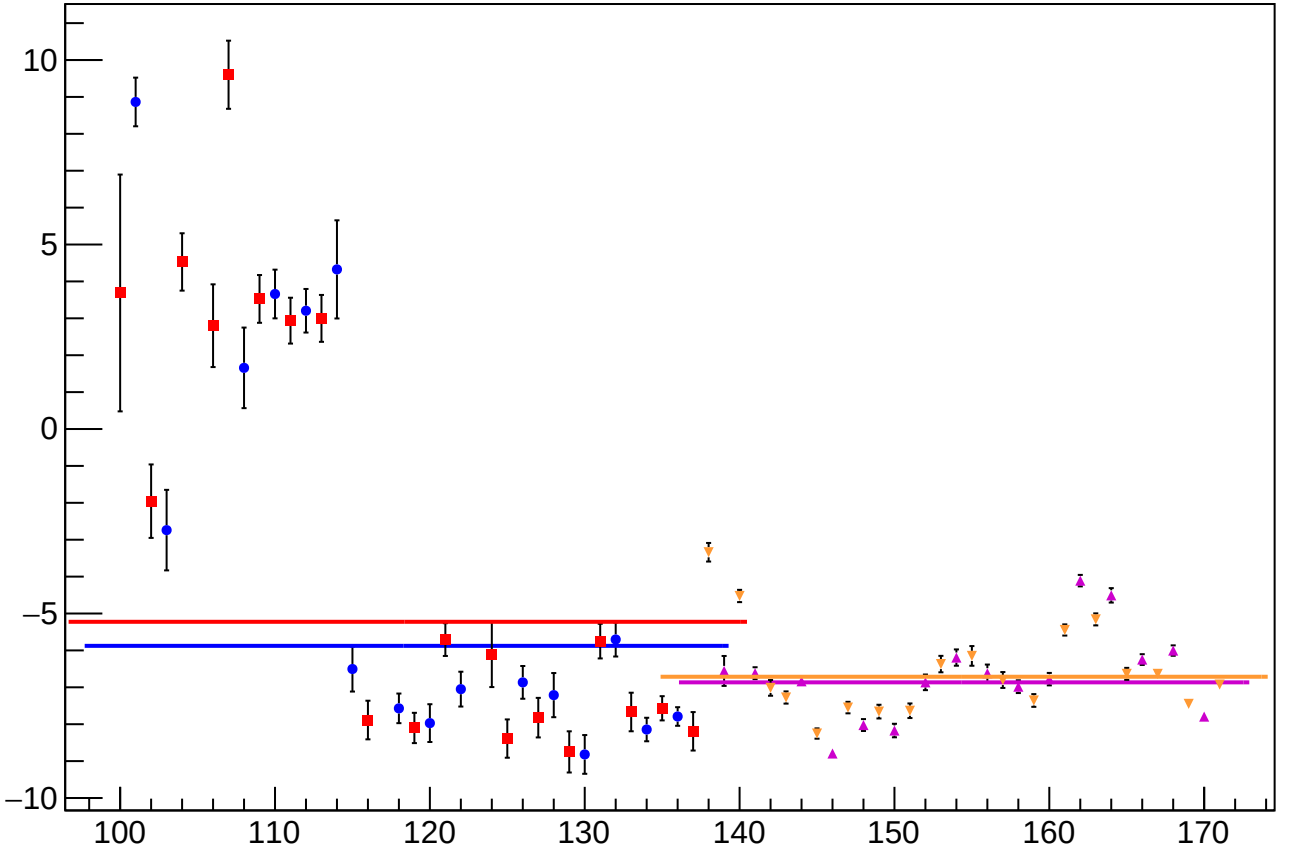
Right: 25.258+/-0.085 χ^2/NDF: 1504.5/34

In: 16.724+/-0.045 χ^2/NDF:11193.7/31

Out: 16.715+/-0.045 χ^2/NDF:10510.6/36

All: 16.719+/-0.032 χ^2/NDF: 21704.3/68

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: -6.866+/-0.041 χ^2/NDF:946.0/15

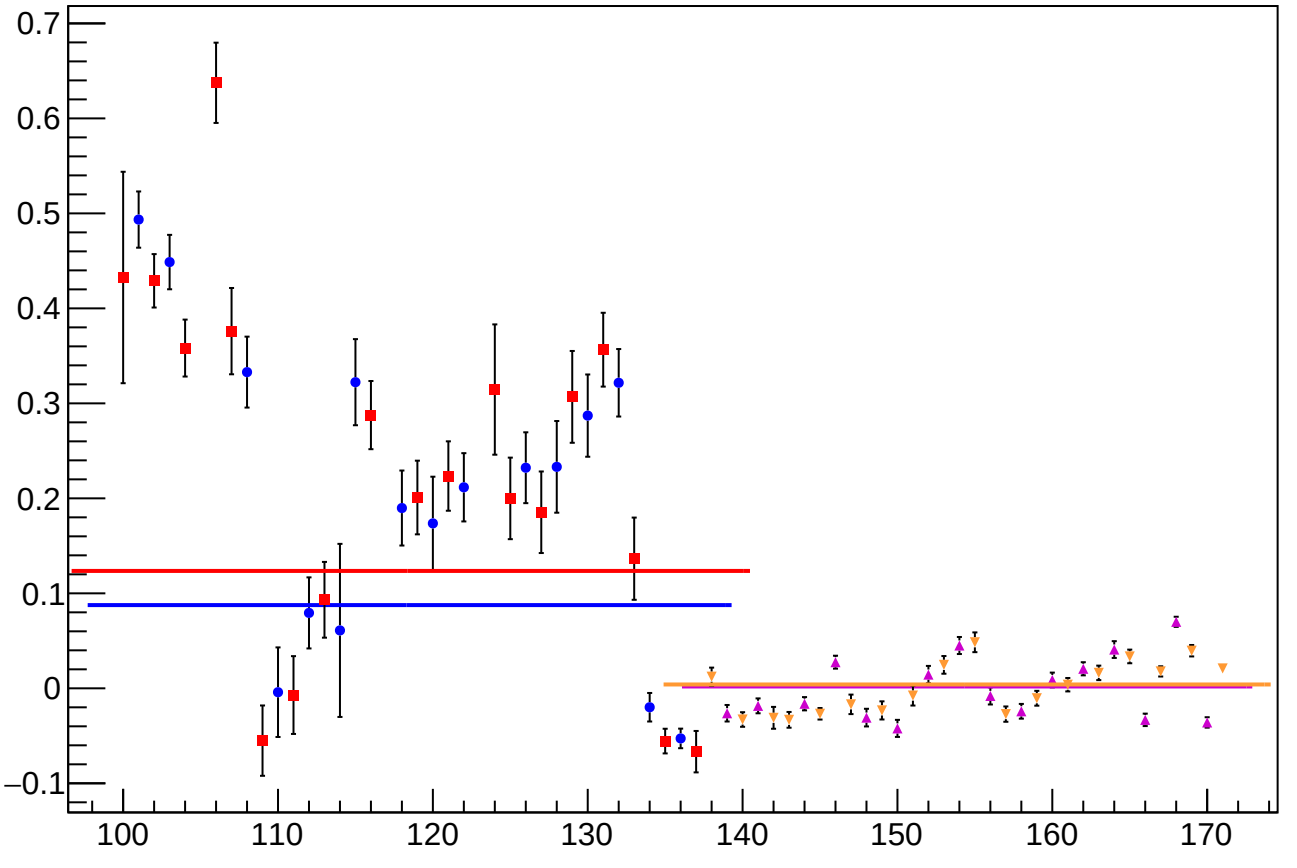
Left: -6.787+/-0.028 χ^2/NDF: 1731.7/33

Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.764+/-0.039 χ^2/NDF:2257.8/31

Out: -6.588+/-0.038 χ^2/NDF:2191.6/36

All: -6.673+/-0.027 χ^2/NDF: 4460.0/68



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: 0.002+/-0.002 χ^2/NDF:379.2/15

Left: 0.003+/-0.001 χ^2/NDF: 585.4/33

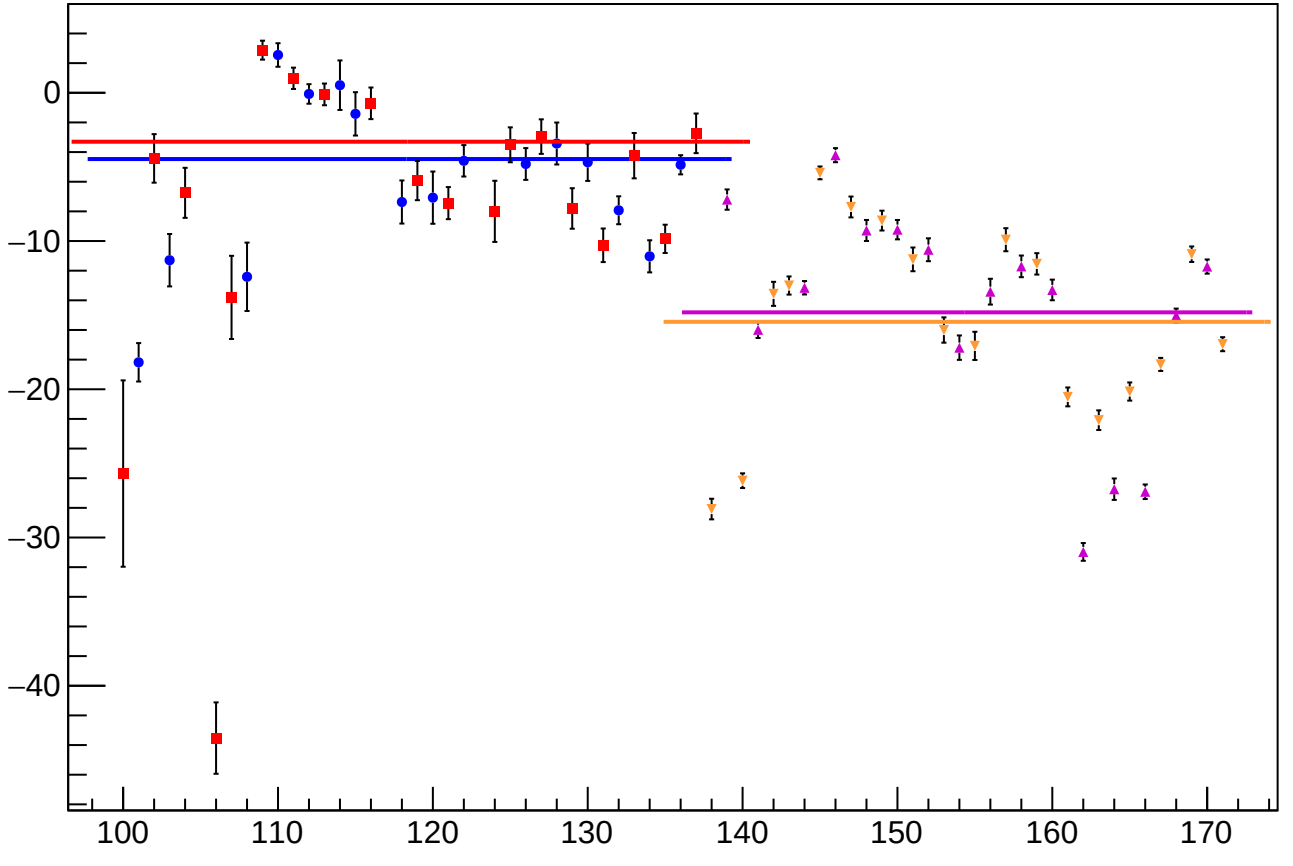
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.008+/-0.002 χ^2/NDF:1303.8/31

Out: 0.011+/-0.002 χ^2/NDF:1218.9/36

All: 0.010+/-0.001 χ^2/NDF: 2523.7/68

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -15.451+/-0.144 χ^2/NDF:2045.1/17

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -14.812+/-0.149 χ^2/NDF:2482.3/15

Left: -15.142+/-0.104 χ^2/NDF: 4536.8/33

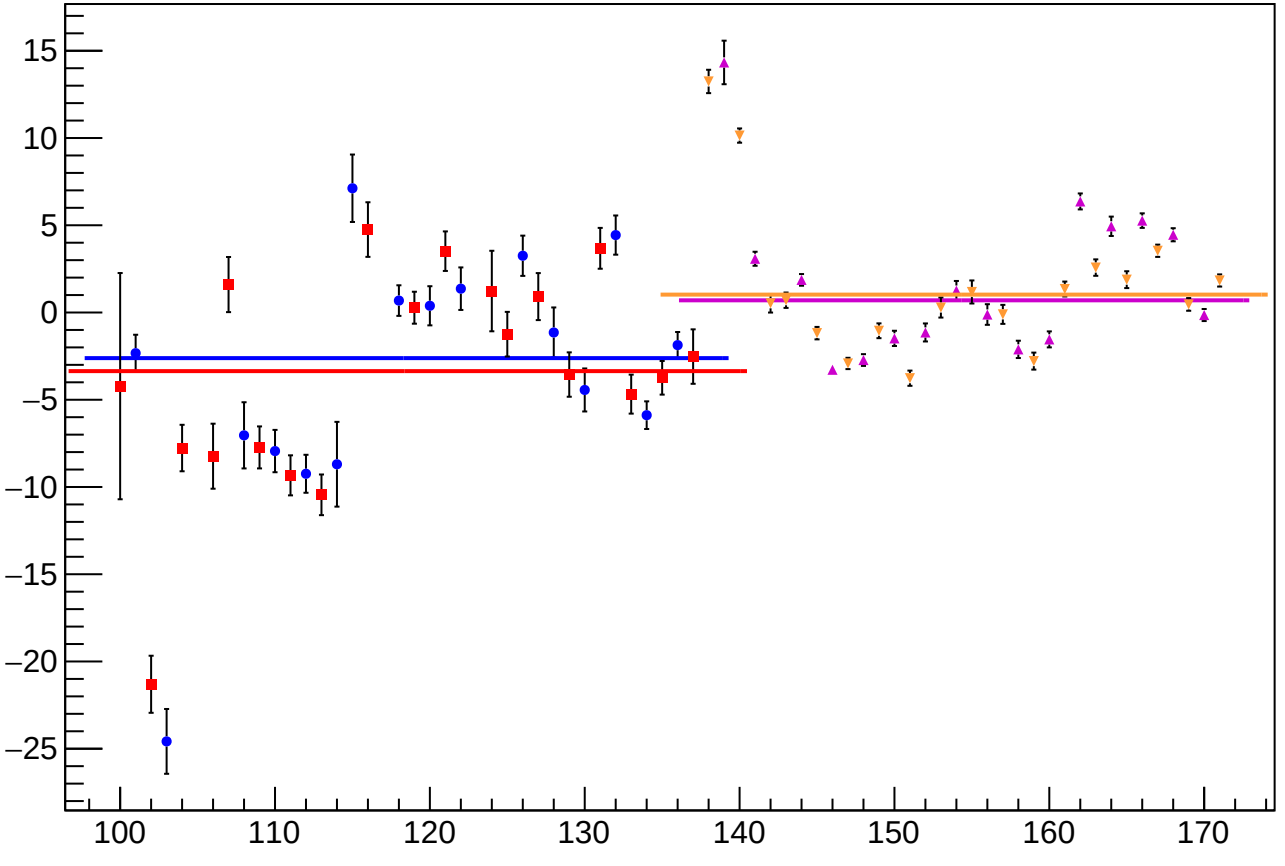
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.376+/-0.130 χ^2/NDF:3948.5/31

Out: -12.611+/-0.126 χ^2/NDF:4292.1/36

All: -12.497+/-0.091 χ^2/NDF: 8242.4/68

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: 0.698+/-0.105 χ^2/NDF:1001.3/15

Left: 0.867+/-0.073 χ^2/NDF: 2308.1/33

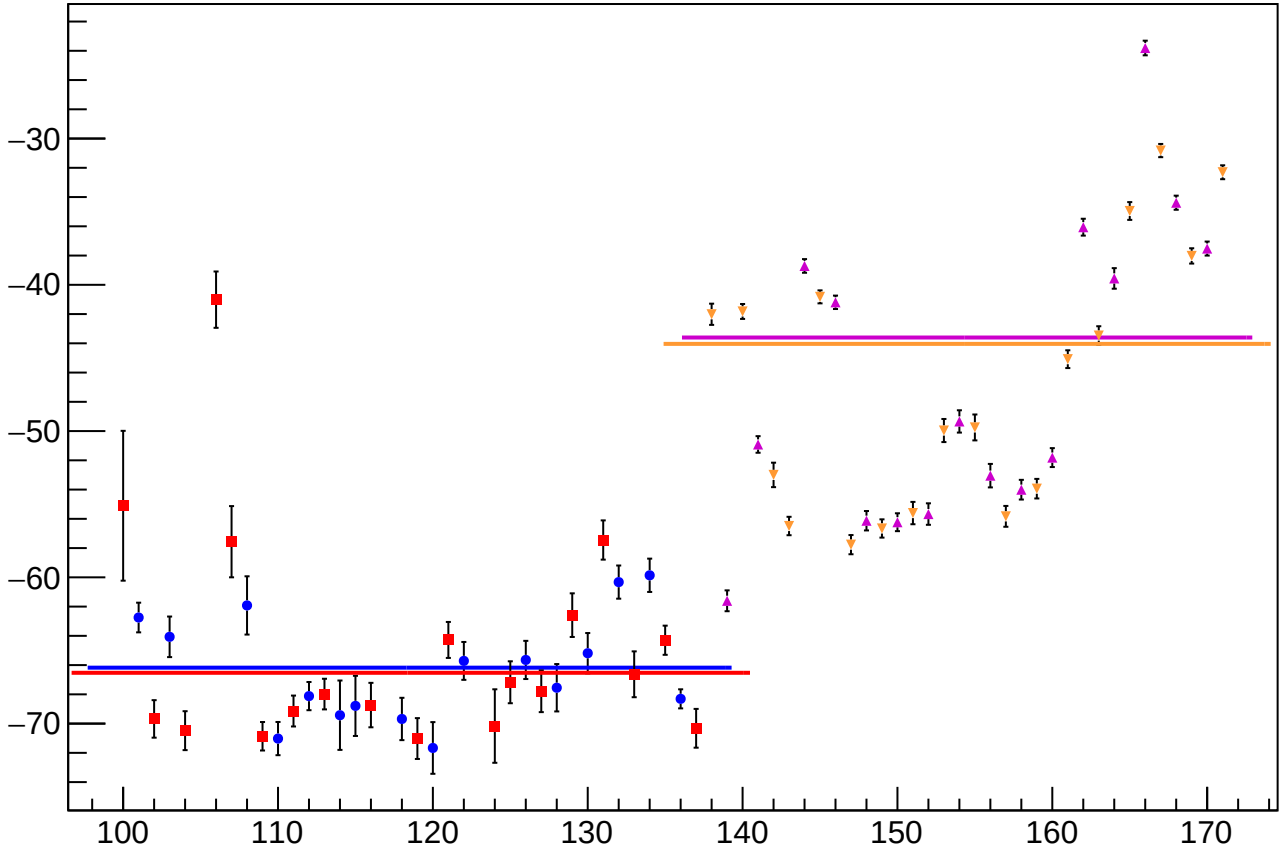
Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.302+/-0.099 χ^2/NDF:1471.6/31

Out: 0.568+/-0.097 χ^2/NDF:1854.3/36

All: 0.438+/-0.069 χ^2/NDF: 3329.7/68

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: -43.604+/-0.146 χ^2/NDF:4881.2/15

Left: -43.827+/-0.102 χ^2/NDF: 8959.9/33

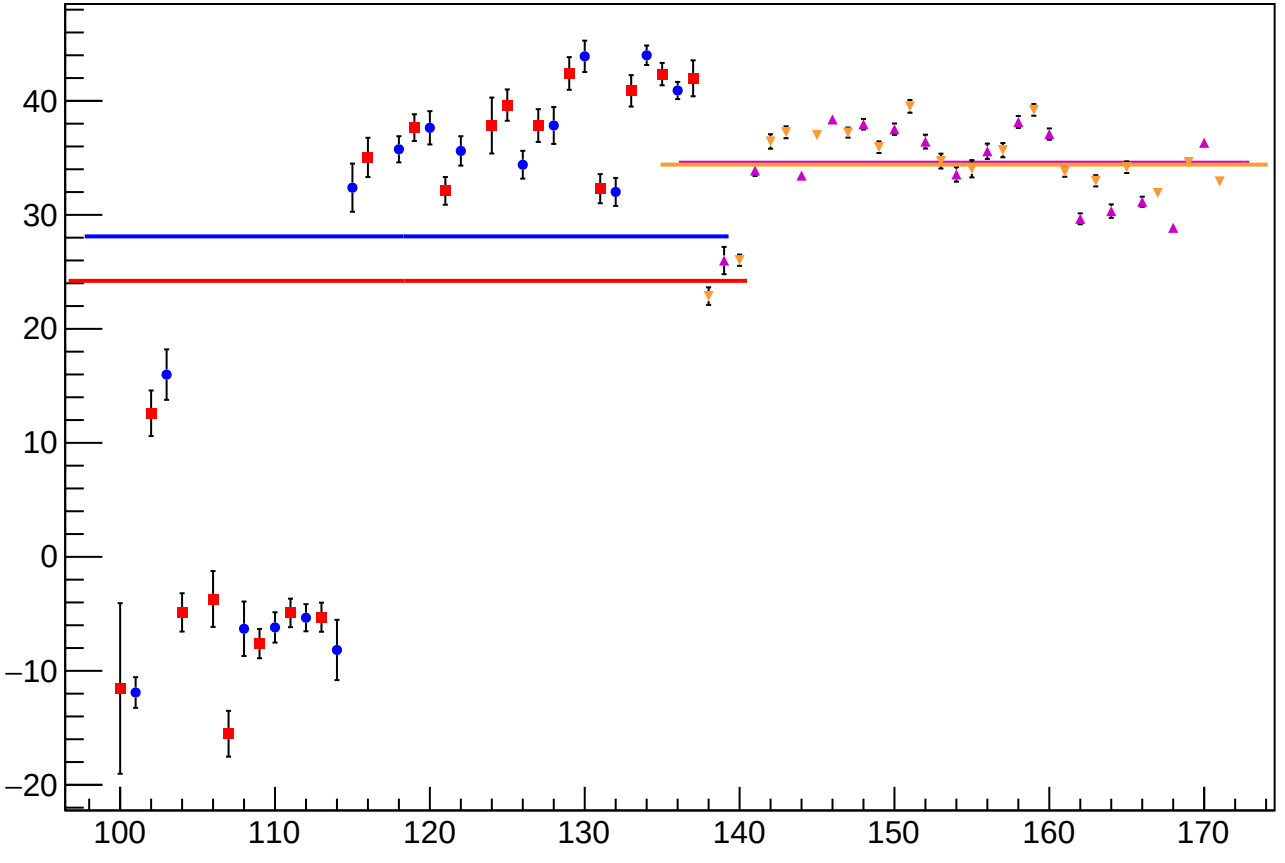
Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -47.839+/-0.132 χ^2/NDF:9479.7/31

Out: -47.908+/-0.130 χ^2/NDF:8683.8/36

All: -47.874+/-0.092 χ^2/NDF: 18163.7/68

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.409+/-0.117 χ^2/NDF:884.6/17

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.577+/-0.121 χ^2/NDF:758.4/15

Left: 34.490+/-0.084 χ^2/NDF: 1644.0/33

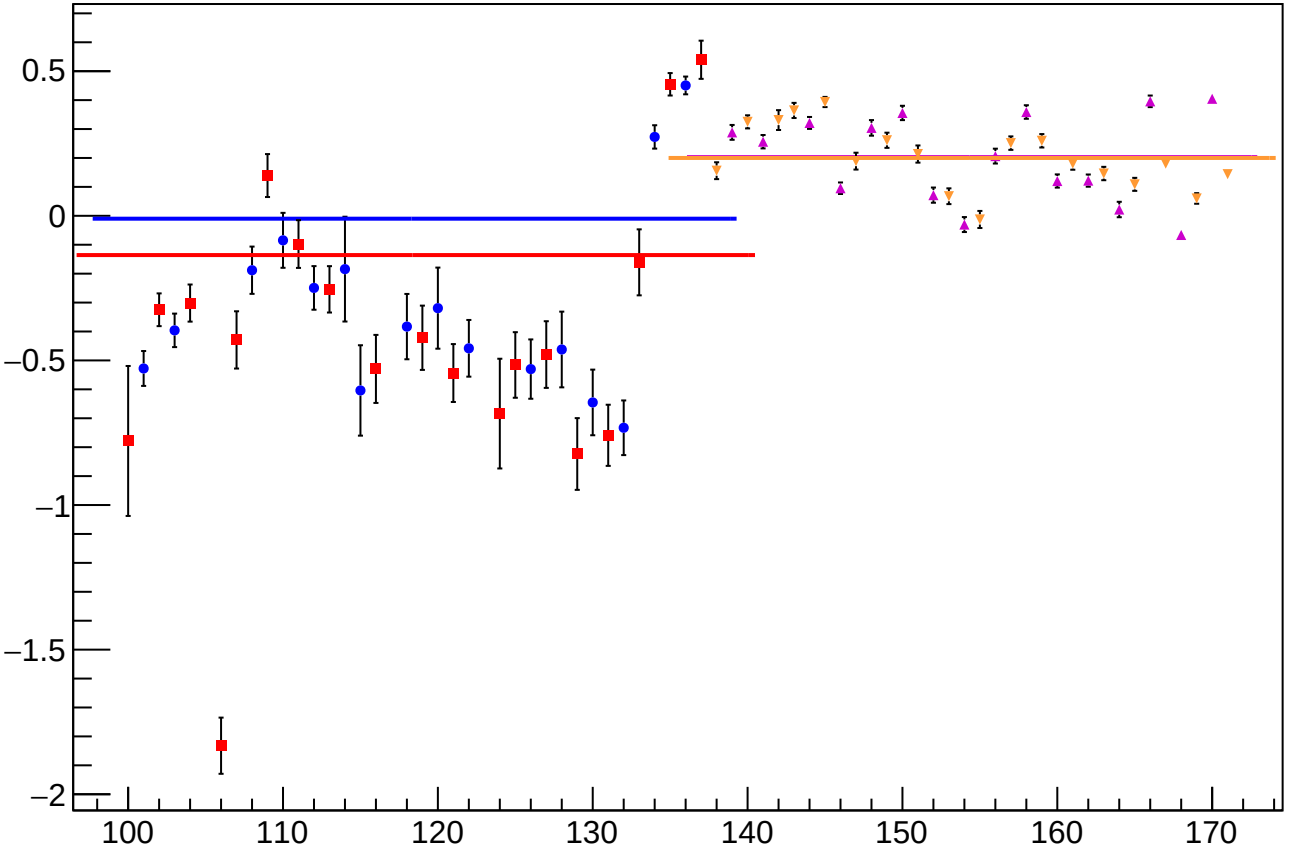
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.762+/-0.114 χ^2/NDF:4843.0/31

Out: 33.299+/-0.111 χ^2/NDF:5548.9/36

All: 33.525+/-0.079 χ^2/NDF: 10400.4/68

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 587.4/15

Left Out: 0.200+/-0.005 χ^2/NDF:394.6/17

Right Out: -0.136+/-0.019 χ^2/NDF: 818.5/18

Left In: 0.203+/-0.006 χ^2/NDF:861.7/15

Left: 0.201+/-0.004 χ^2/NDF: 1256.4/33

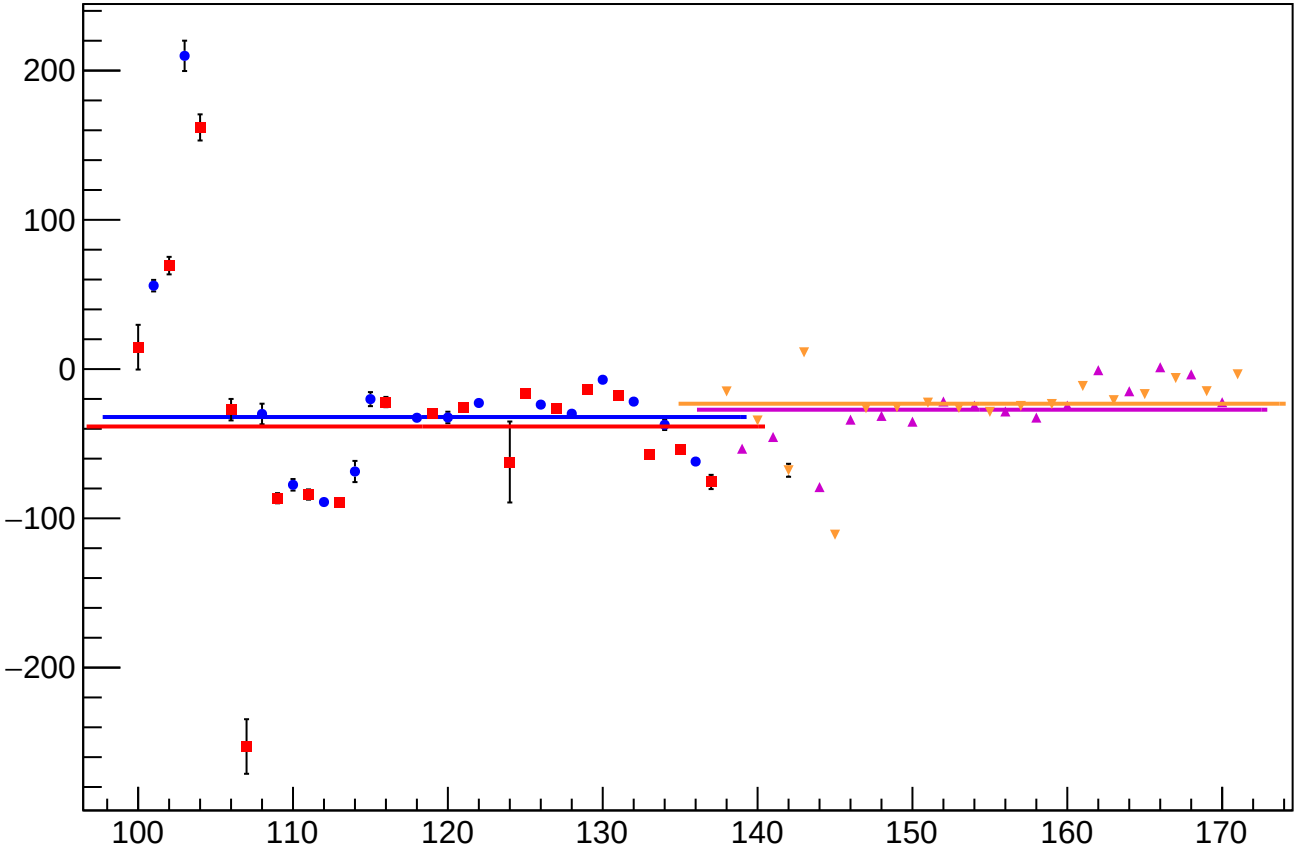
Right: -0.068+/-0.013 χ^2/NDF: 1430.0/34

In: 0.183+/-0.005 χ^2/NDF:1586.2/31

Out: 0.175+/-0.005 χ^2/NDF:1507.6/36

All: 0.179+/-0.004 χ^2/NDF: 3095.1/68

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



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: -27.219+/-0.694 χ^2/NDF:815.1/15

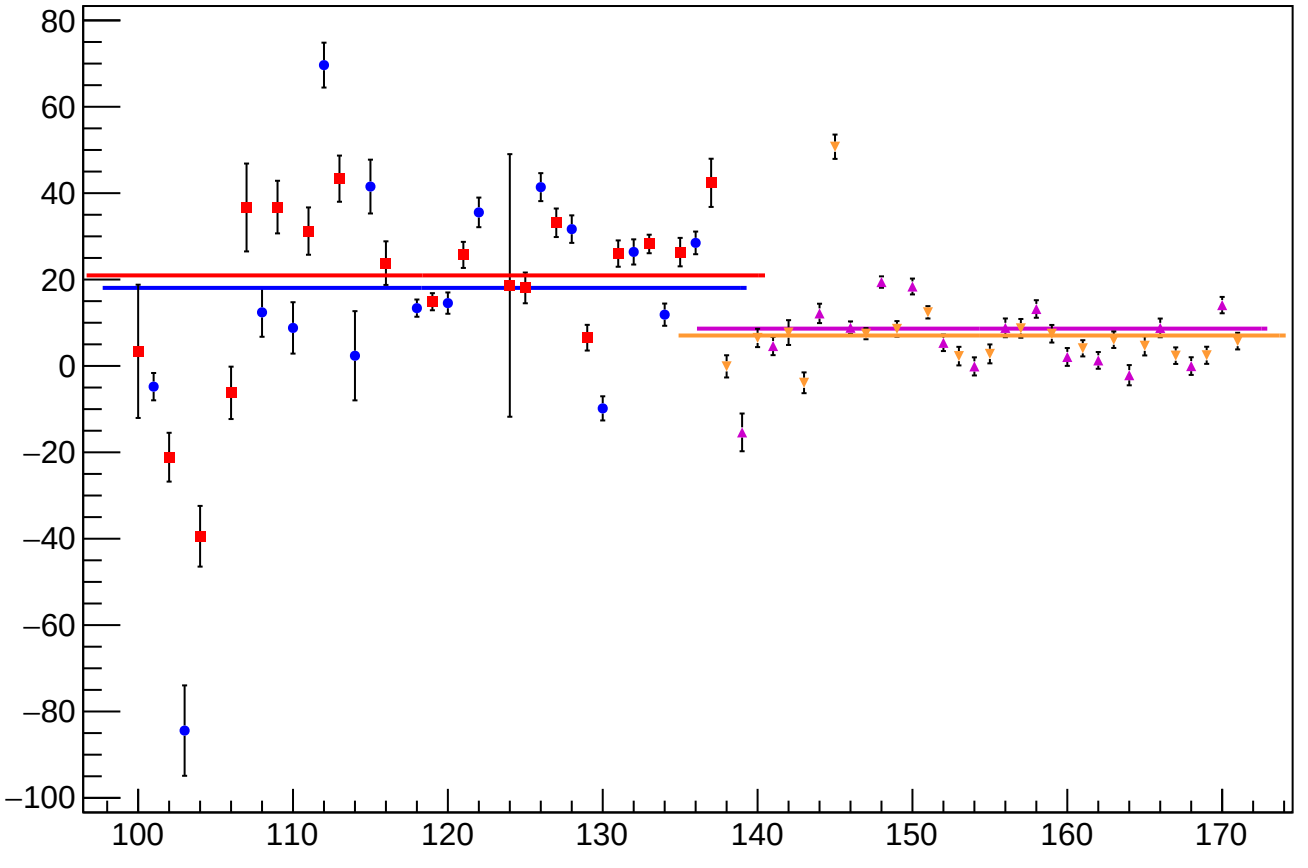
Left: -25.144+/-0.483 χ^2/NDF: 1972.2/33

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -29.199+/-0.536 χ^2/NDF:2712.7/31

Out: -28.950+/-0.531 χ^2/NDF:3306.6/36

All: -29.073+/-0.377 χ^2/NDF: 6019.4/68



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: 8.637+/-0.489 χ^2/NDF:228.7/15

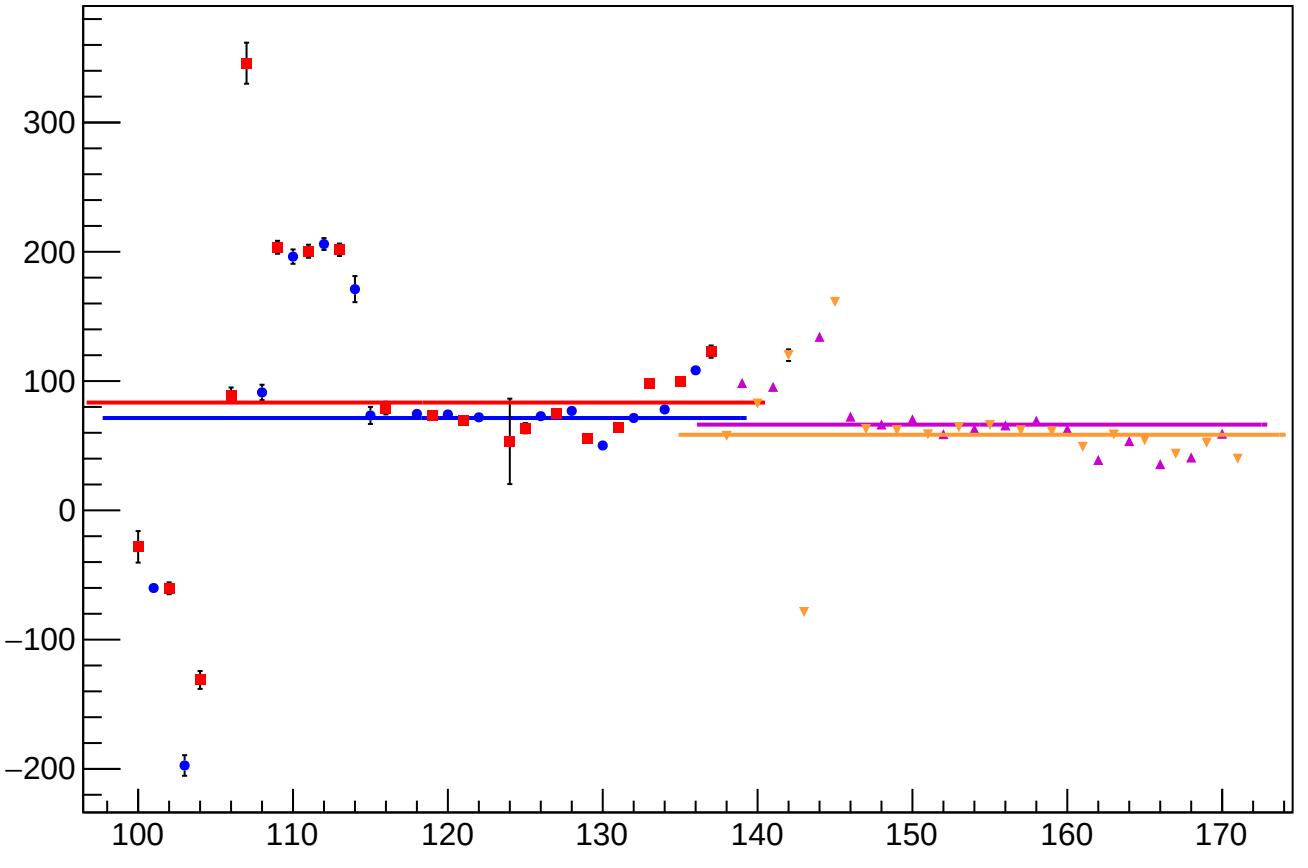
Left: 7.802+/-0.337 χ^2/NDF: 543.6/33

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 11.096+/-0.420 χ^2/NDF:825.4/31

Out: 10.146+/-0.410 χ^2/NDF:771.4/36

All: 10.610+/-0.293 χ^2/NDF: 1599.5/68



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: 66.319+/-0.675 χ^2/NDF:1140.3/15

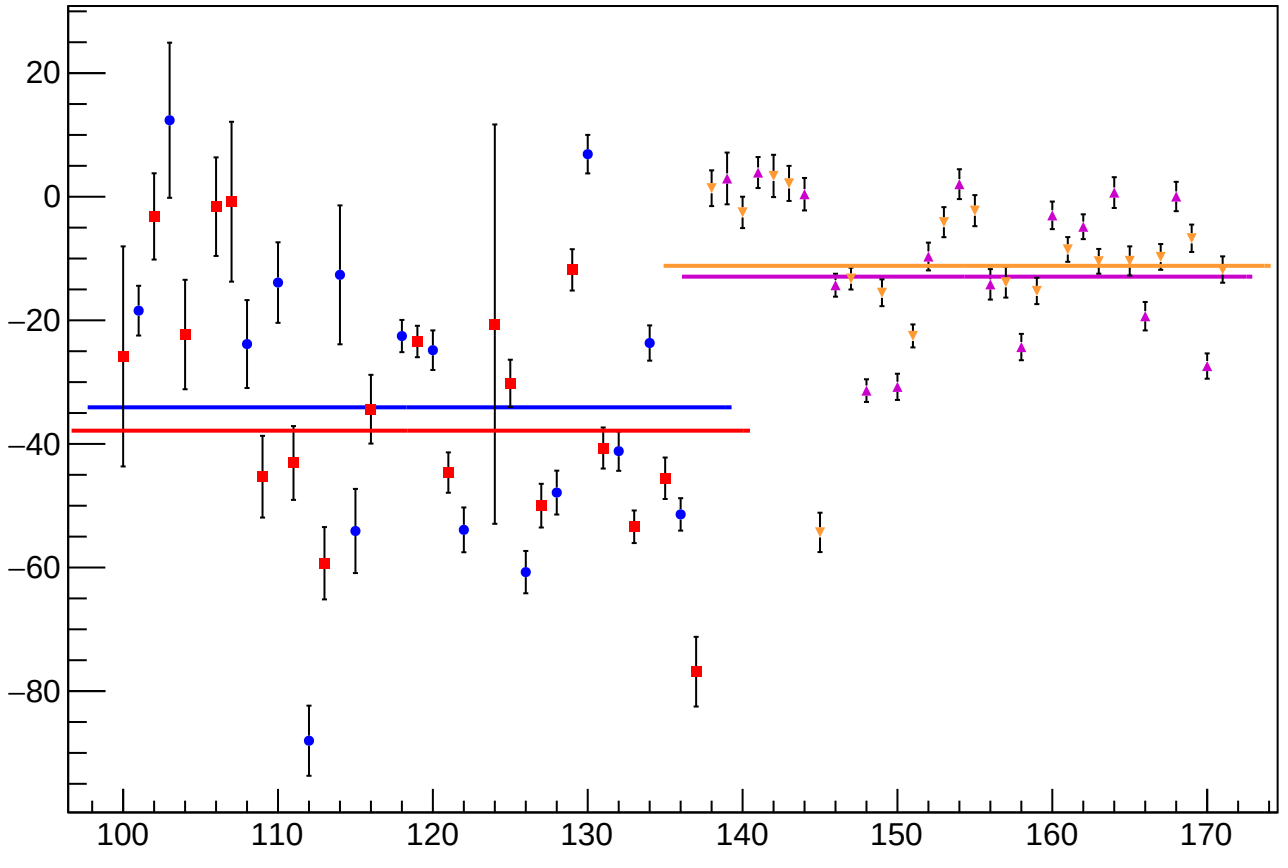
Left: 62.285+/-0.471 χ^2/NDF: 4236.3/33

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 68.078+/-0.547 χ^2/NDF:5979.6/31

Out: 66.137+/-0.547 χ^2/NDF:7766.6/36

All: 67.107+/-0.387 χ^2/NDF: 13752.5/68



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: -12.933+/-0.565 χ^2/NDF:479.9/15

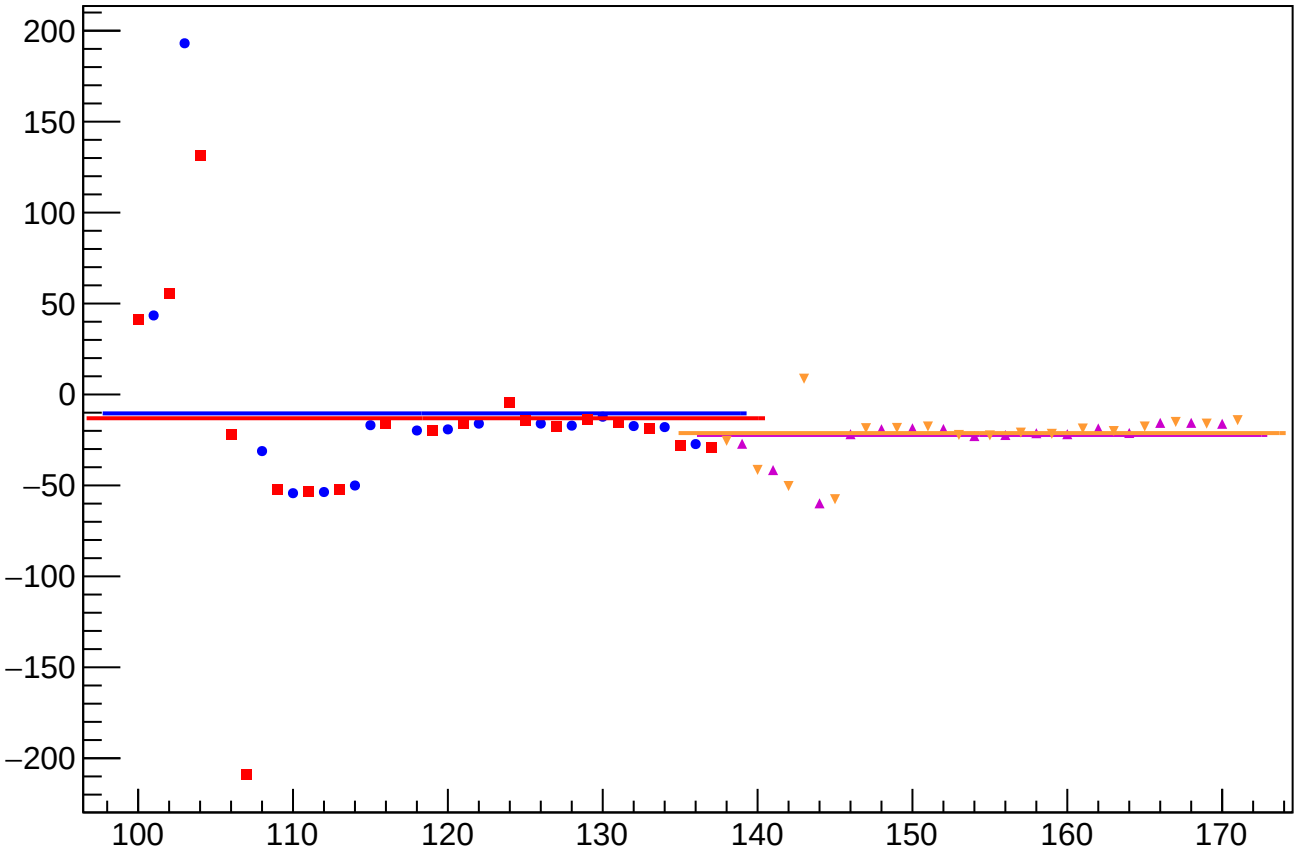
Left: -12.016+/-0.390 χ^2/NDF: 813.8/33

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -18.519+/-0.484 χ^2/NDF:1361.6/31

Out: -17.235+/-0.473 χ^2/NDF:1160.4/36

All: -17.863+/-0.339 χ^2/NDF: 2525.6/68



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: -22.246+/-0.025 χ^2/NDF:119958.6/15

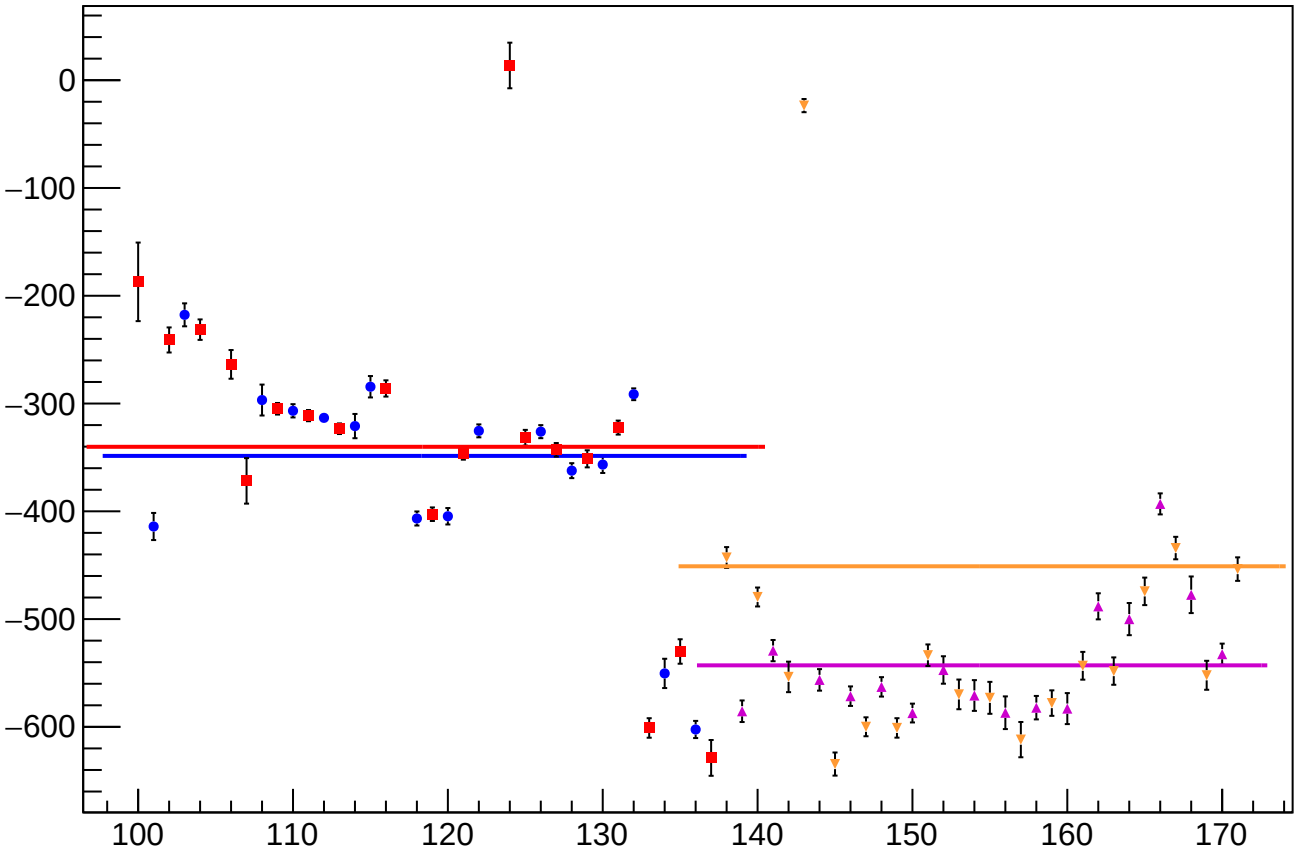
Left: -21.724+/-0.017 χ^2/NDF: 322603.3/33

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -20.315+/-0.023 χ^2/NDF:678674.5/31

Out: -20.152+/-0.023 χ^2/NDF:666130.1/36

All: -20.233+/-0.016 χ^2/NDF: 1344830.0/68



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: -542.922+/-2.749 χ^2/NDF:376.0/15

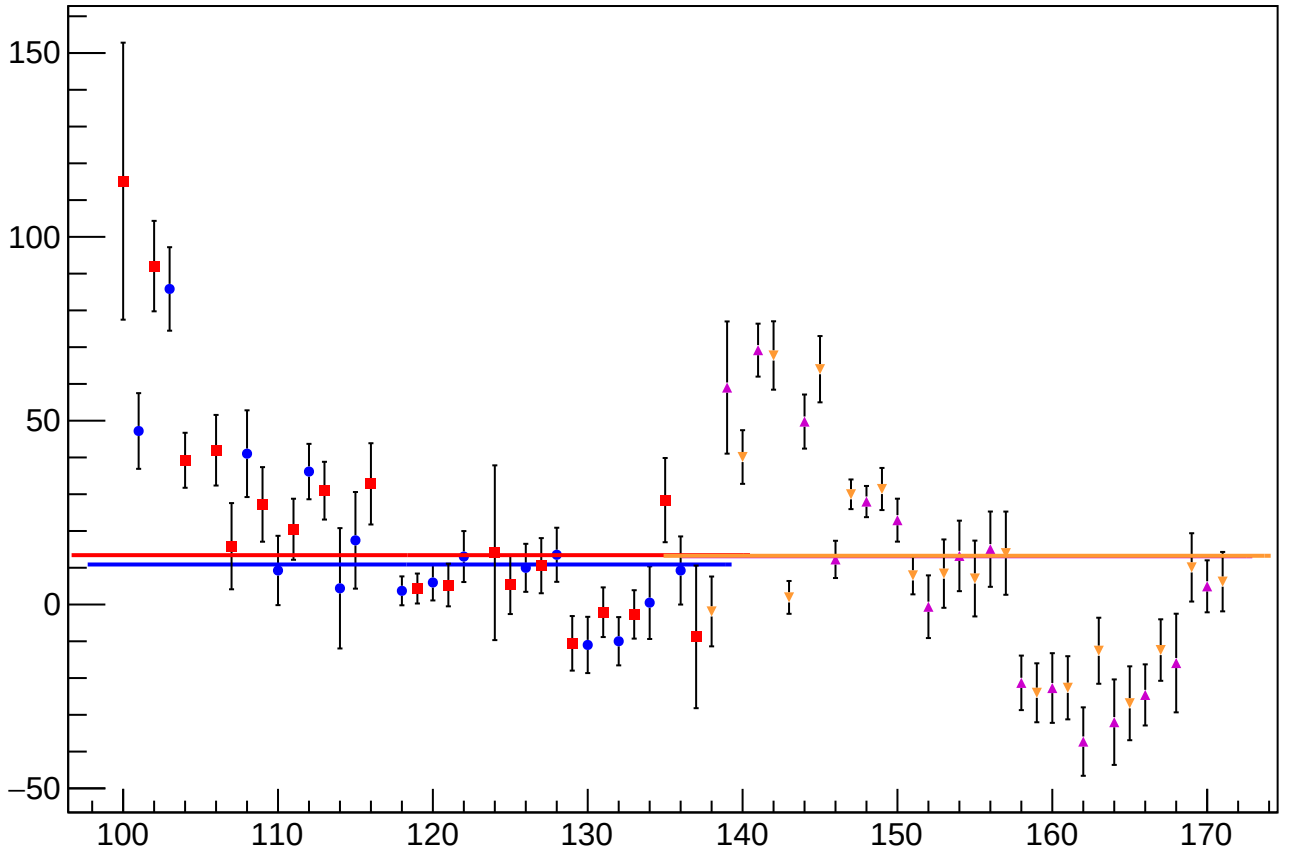
Left: -492.417+/-1.845 χ^2/NDF: 7381.7/33

Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -408.032+/-1.520 χ^2/NDF:5704.2/31

Out: -377.089+/-1.437 χ^2/NDF:9911.6/36

All: -391.687+/-1.044 χ^2/NDF: 15834.6/68



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: 13.123+/-1.866 χ^2/NDF:216.5/15

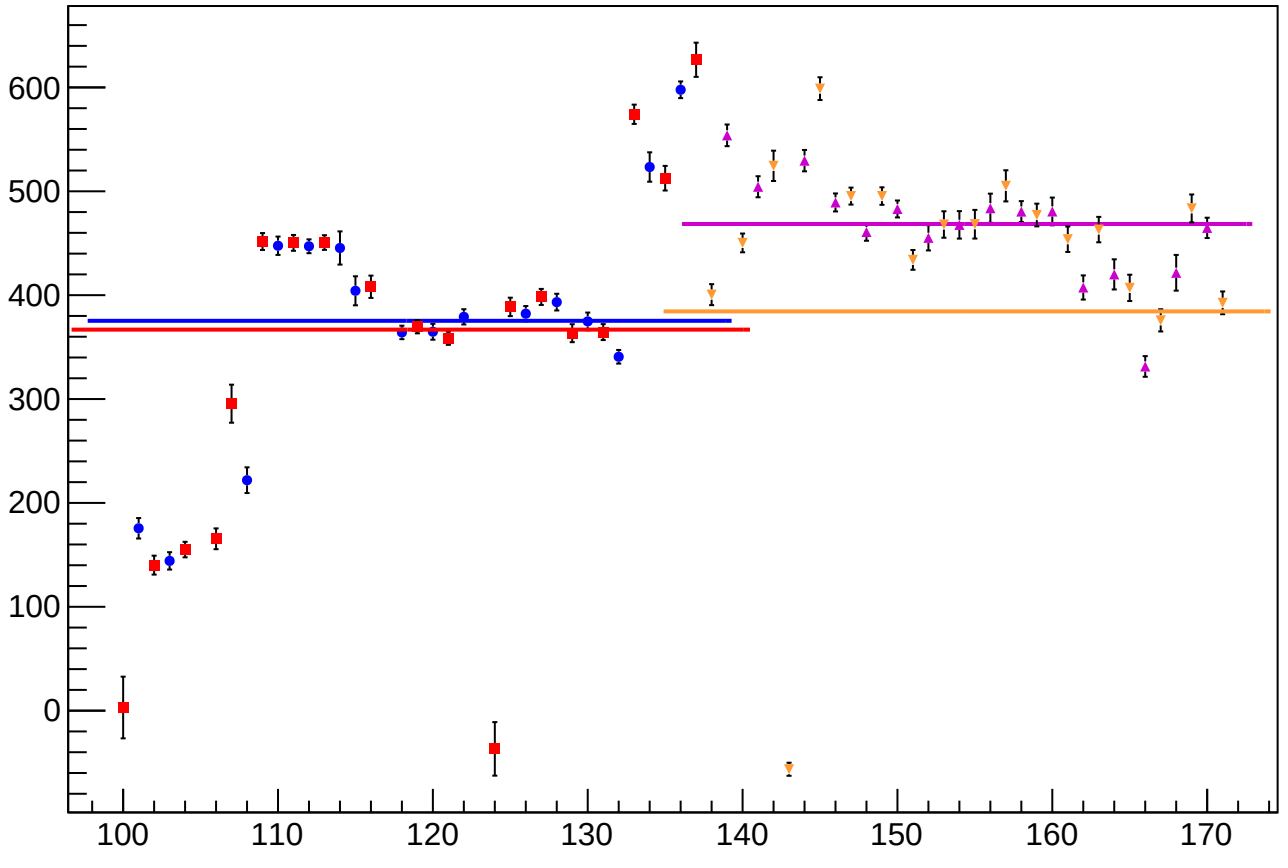
Left: 13.198+/-1.248 χ^2/NDF: 407.5/33

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 11.991+/-1.311 χ^2/NDF:315.5/31

Out: 13.335+/-1.245 χ^2/NDF:303.4/36

All: 12.698+/-0.903 χ^2/NDF: 619.5/68



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: 468.540+/-2.672 χ^2/NDF:365.4/15

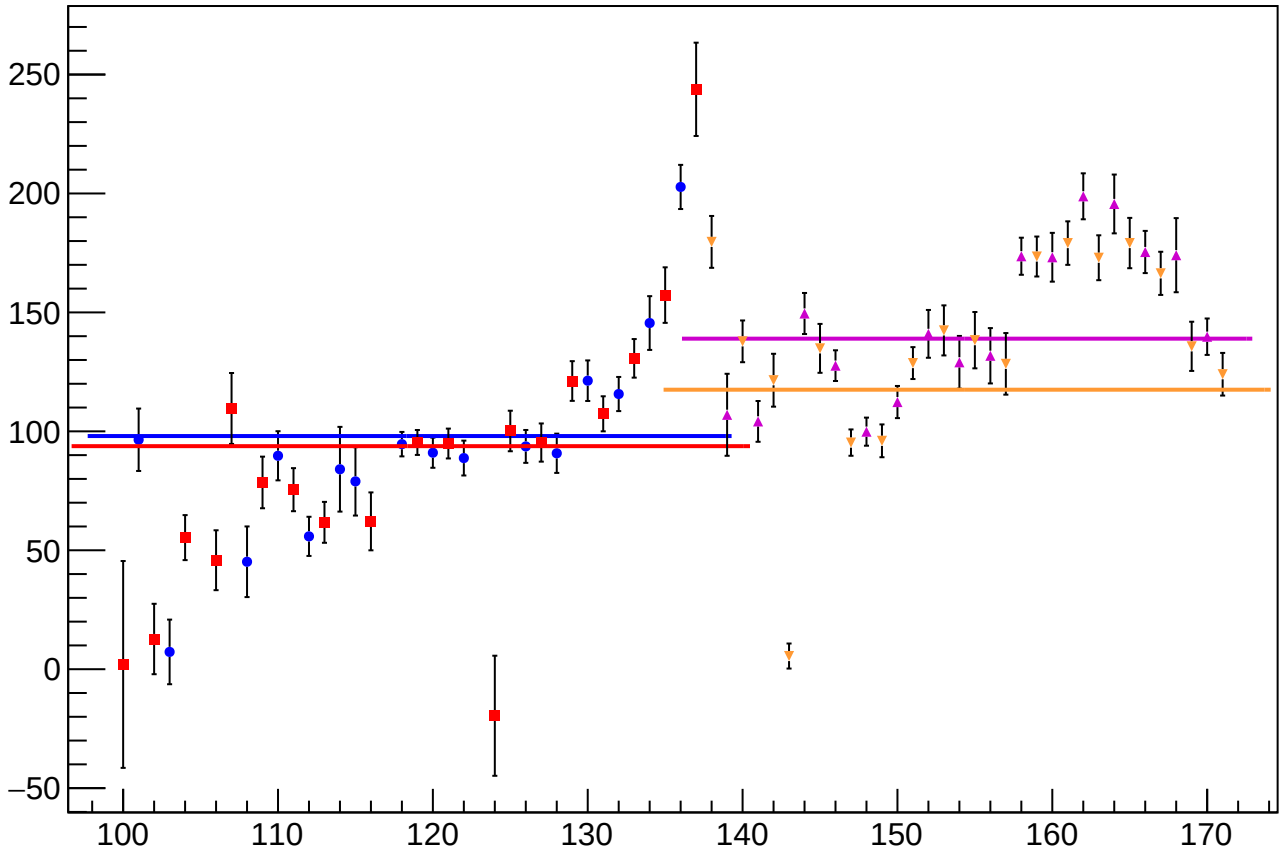
Left: 422.794+/-1.805 χ^2/NDF: 7069.8/33

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 410.966+/-1.653 χ^2/NDF:3566.4/31

Out: 374.059+/-1.572 χ^2/NDF:9736.7/36

All: 391.588+/-1.139 χ^2/NDF: 13565.0/68



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: 138.962+/-2.195 χ^2/NDF:197.3/15

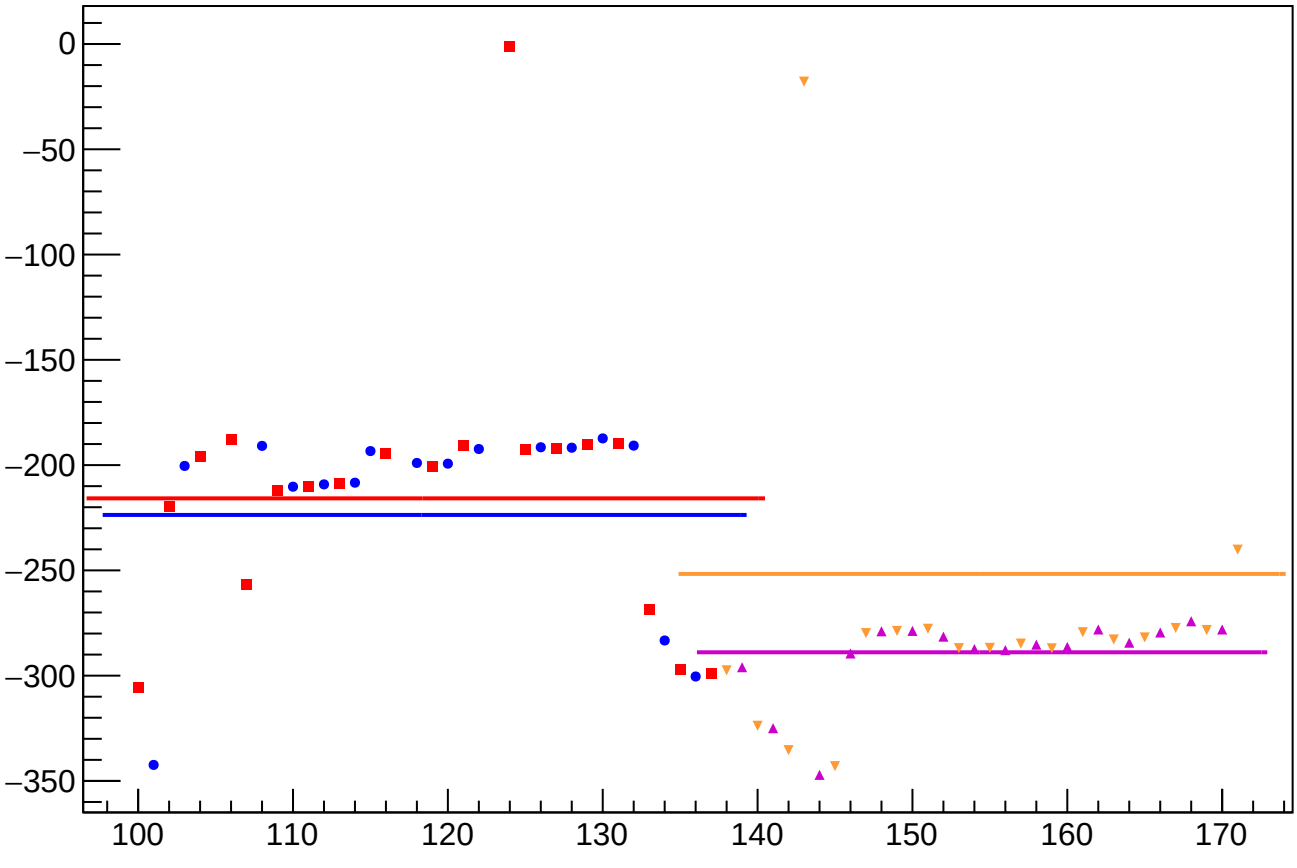
Left: 127.166+/-1.473 χ^2/NDF: 972.3/33

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 118.008+/-1.534 χ^2/NDF:624.7/31

Out: 106.509+/-1.456 χ^2/NDF:1025.8/36

All: 111.957+/-1.056 χ^2/NDF: 1680.1/68



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: -288.906+/-0.102 χ^2/NDF:29017.8/15

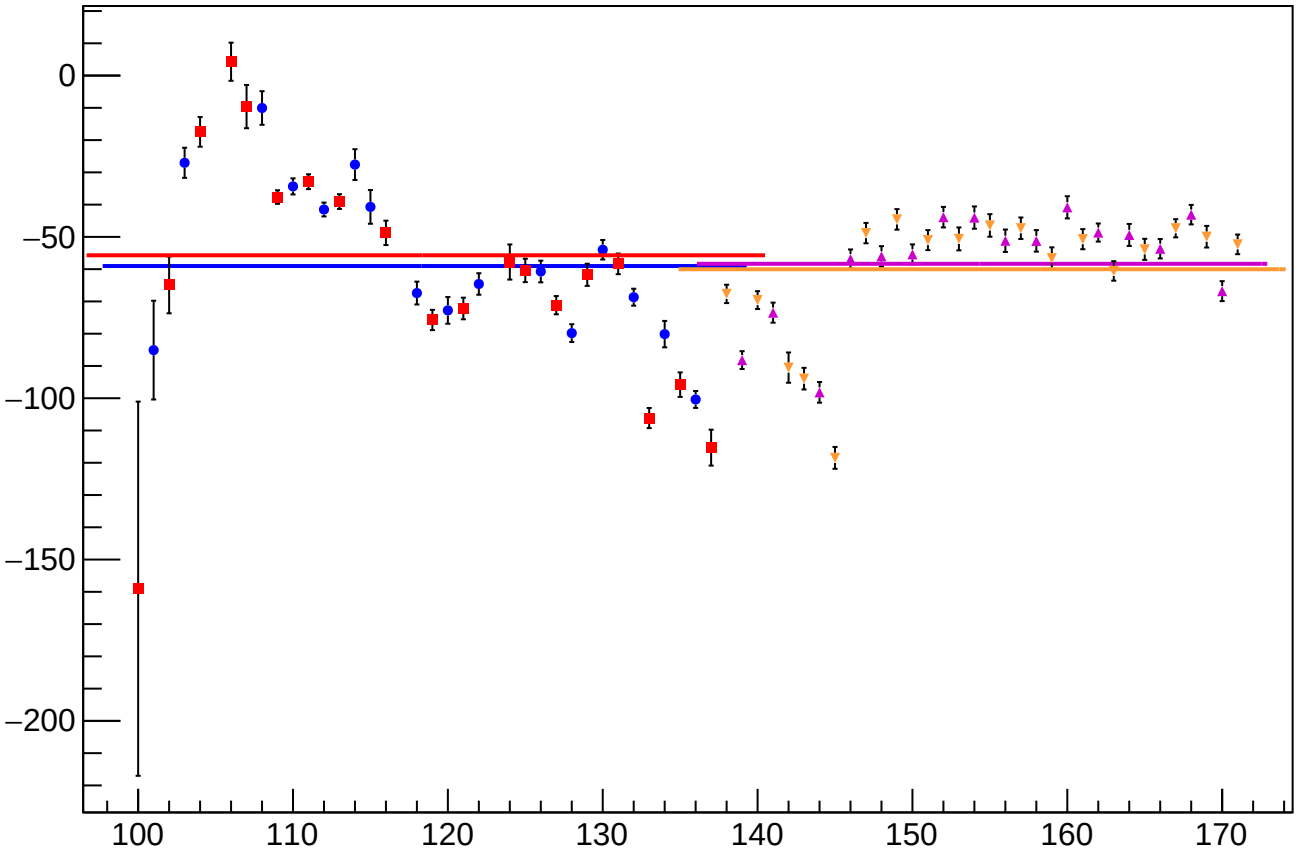
Left: -268.960+/-0.069 χ^2/NDF: 1073315.9/33

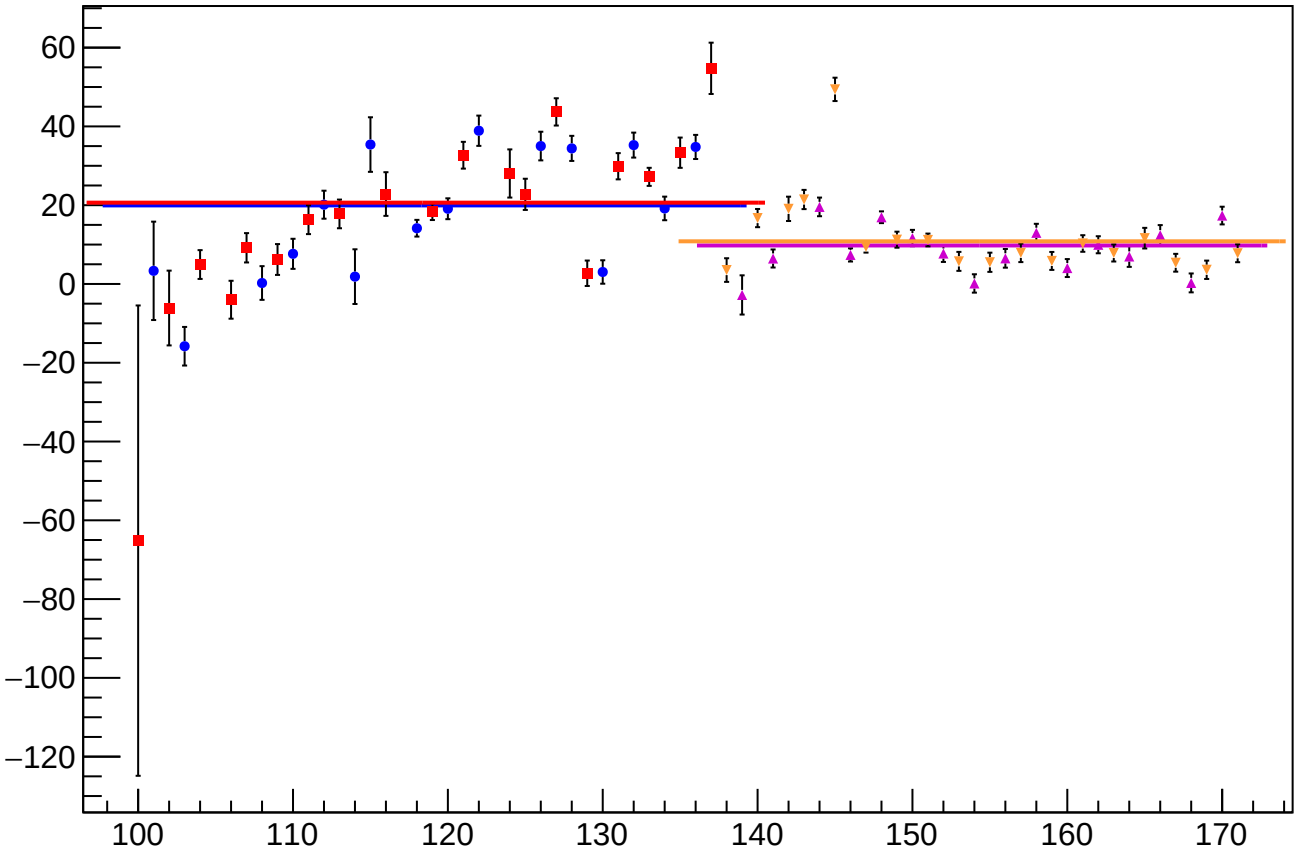
Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -266.023+/-0.082 χ^2/NDF:295048.5/31

Out: -239.782+/-0.077 χ^2/NDF:1101670.0/36

All: -252.152+/-0.056 χ^2/NDF: 1450987.8/68


reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -59.030+/-0.829 χ²/NDF: 727.3/15
Left Out: -60.026+/-0.756 χ²/NDF:592.3/17
Right Out: -55.701+/-0.790 χ²/NDF: 1041.1/18
Left In: -58.339+/-0.784 χ²/NDF:423.3/15
Left: -59.212+/-0.544 χ²/NDF: 1018.0/33
Right: -57.284+/-0.572 χ²/NDF: 1776.9/34
In: -58.665+/-0.570 χ²/NDF:1151.0/31
Out: -57.957+/-0.546 χ²/NDF:1649.1/36
All: -58.296+/-0.394 χ²/NDF: 2800.9/68



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: 9.778+/-0.551 χ^2/NDF:109.0/15

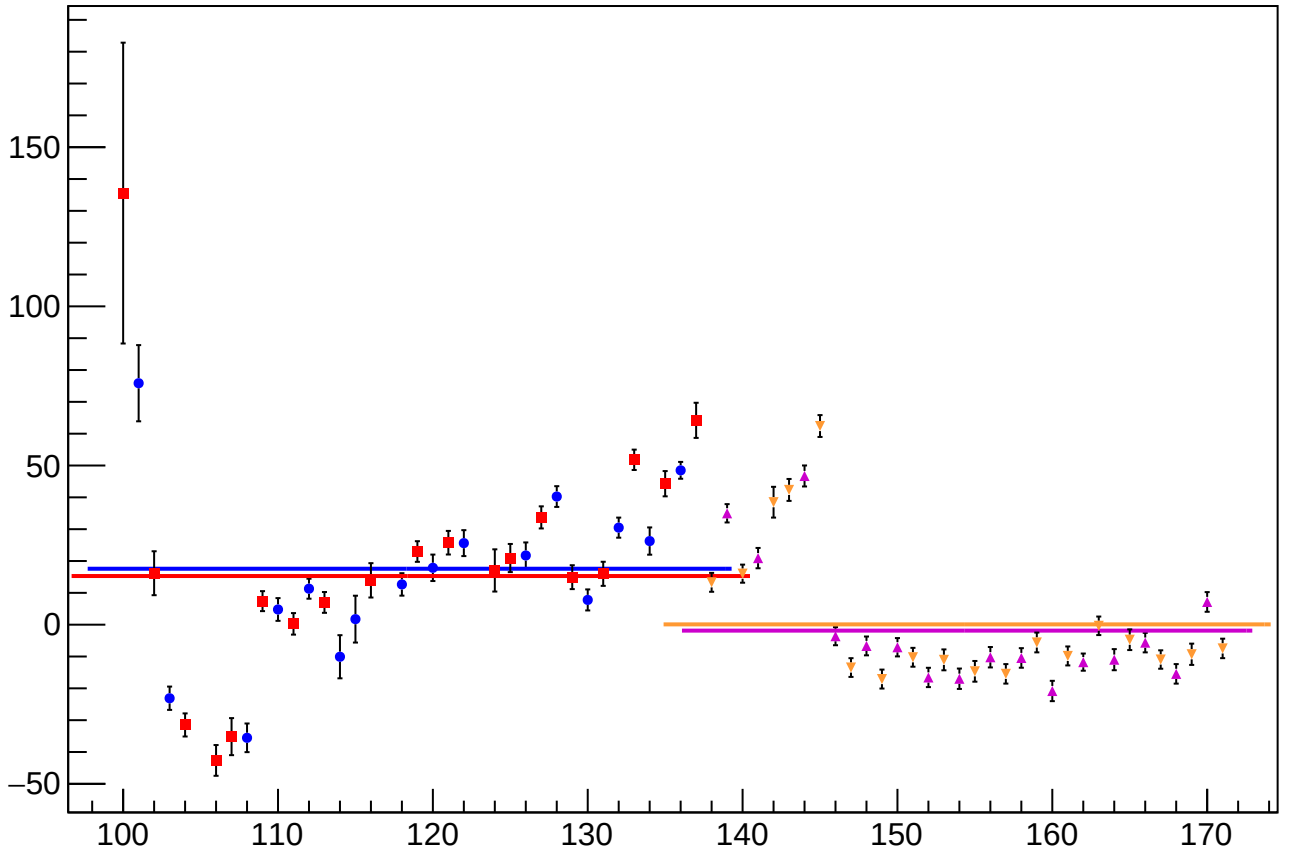
Left: 10.330+/-0.379 χ^2/NDF: 354.5/33

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.702+/-0.465 χ^2/NDF:454.1/31

Out: 13.554+/-0.445 χ^2/NDF:566.1/36

All: 13.147+/-0.321 χ^2/NDF: 1021.9/68



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: -1.867+/-0.762 χ^2/NDF:584.3/15

Left: -0.857+/-0.530 χ^2/NDF: 1351.2/33

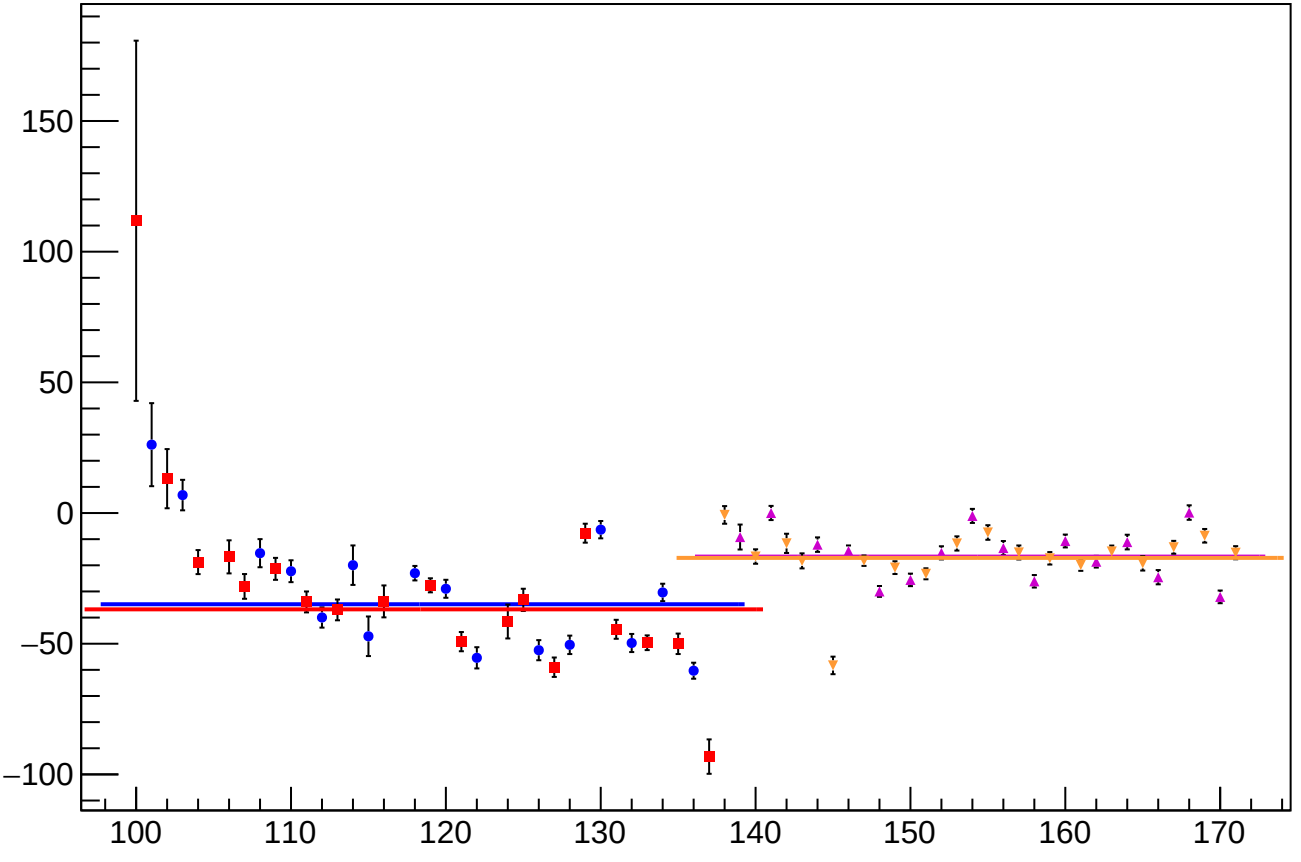
Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 5.679+/-0.596 χ^2/NDF:1383.2/31

Out: 5.943+/-0.580 χ^2/NDF:1656.2/36

All: 5.814+/-0.415 χ^2/NDF: 3039.5/68

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.162+/-0.607 χ^2/NDF:221.5/17

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.665+/-0.637 χ^2/NDF:245.8/15

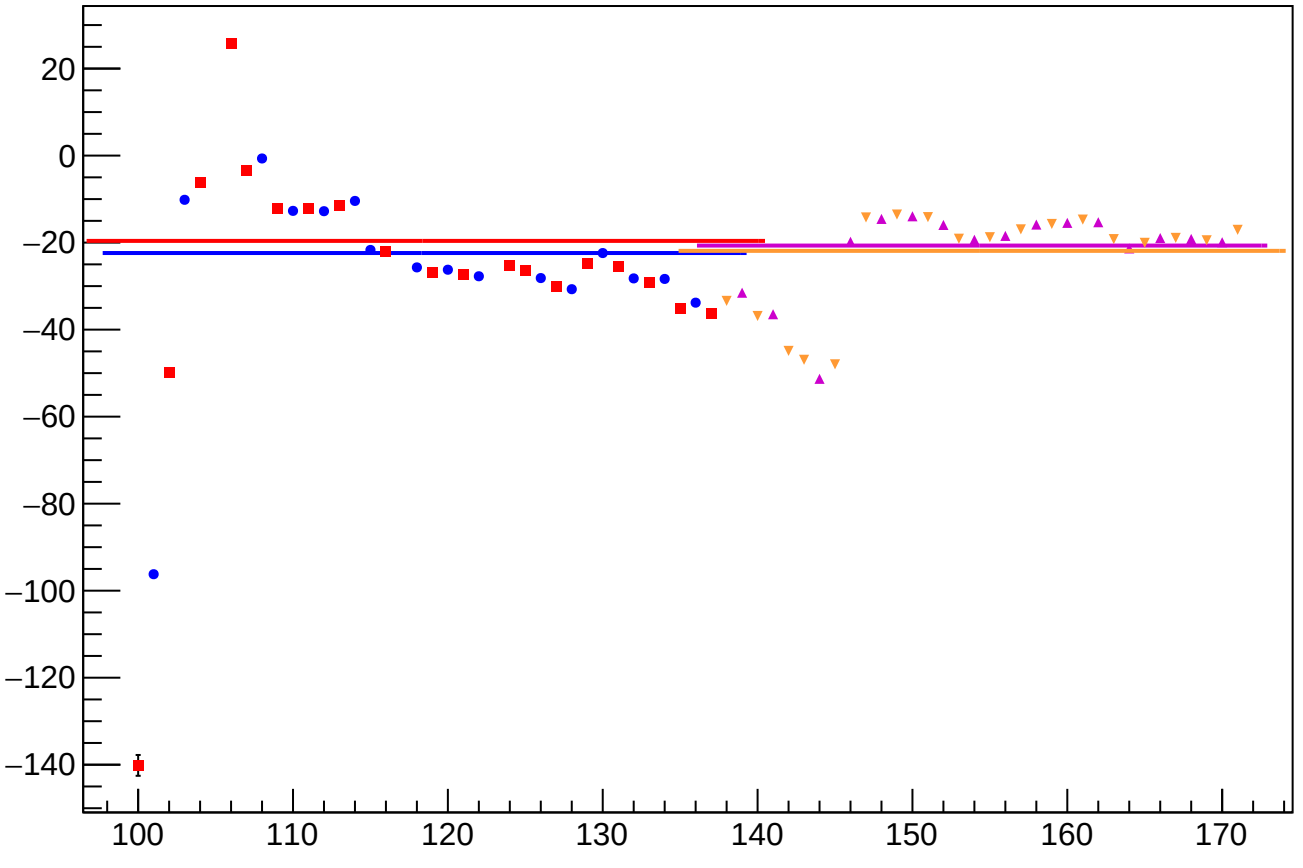
Left: -16.925+/-0.439 χ^2/NDF: 467.6/33

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.998+/-0.536 χ^2/NDF:832.3/31

Out: -22.701+/-0.514 χ^2/NDF:819.4/36

All: -22.364+/-0.371 χ^2/NDF: 1652.5/68



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: -20.680+/-0.028 χ^2/NDF:84928.8/15

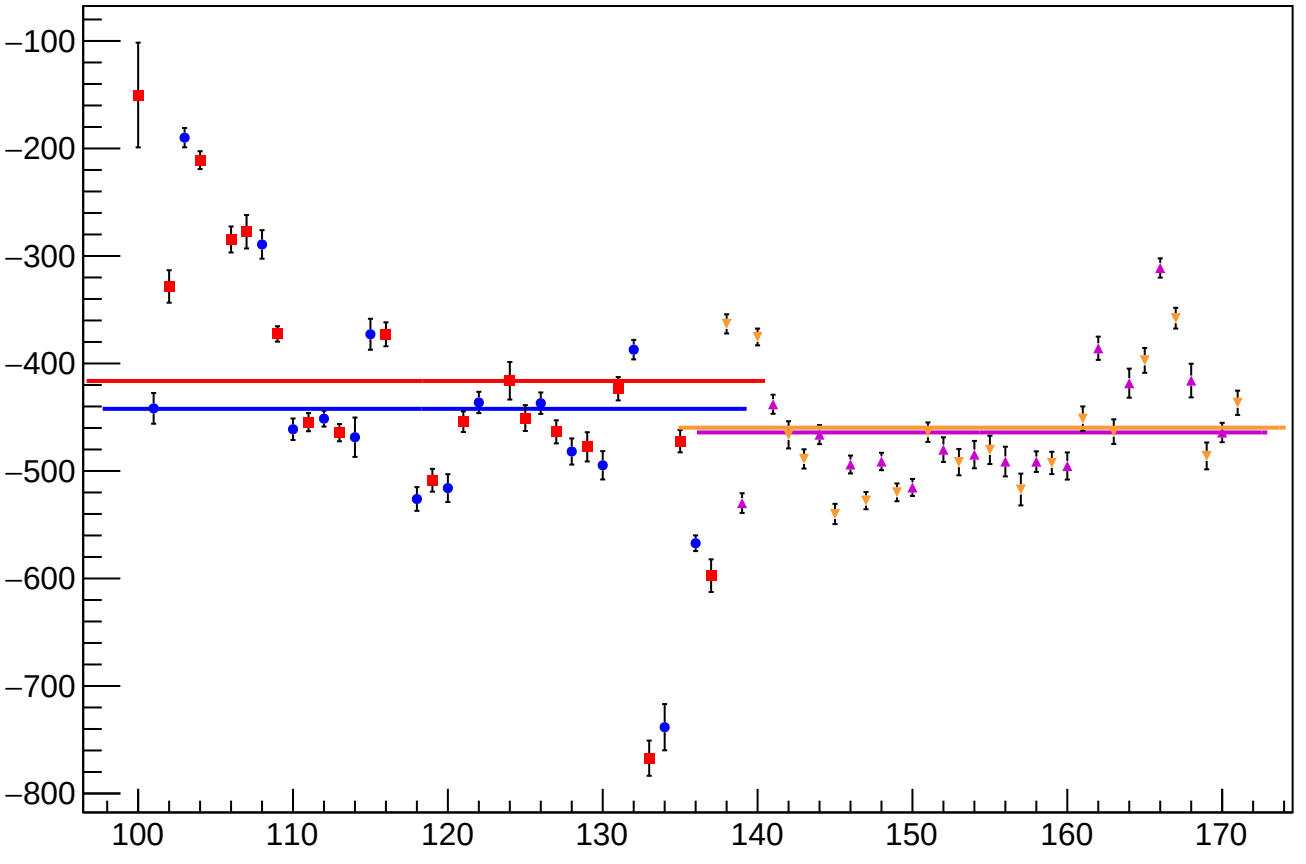
Left: -21.305+/-0.020 χ^2/NDF: 219674.1/33

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -21.007+/-0.025 χ^2/NDF:132148.1/31

Out: -21.492+/-0.025 χ^2/NDF:218884.4/36

All: -21.254+/-0.018 χ^2/NDF: 351217.7/68



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: -464.159+/-2.484 χ^2/NDF:512.3/15

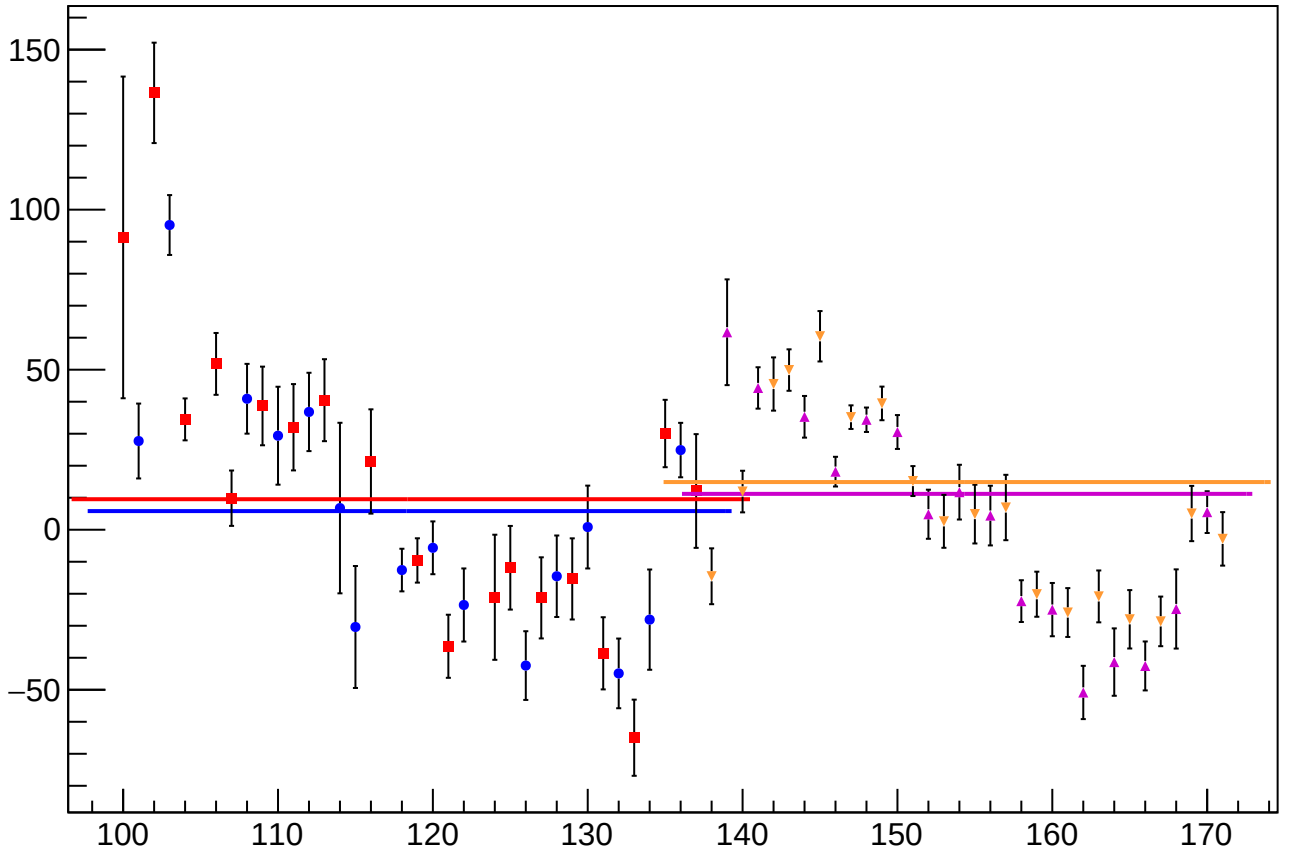
Left: -461.841+/-1.722 χ^2/NDF: 1139.5/33

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -454.012+/-1.822 χ^2/NDF:2137.6/31

Out: -439.153+/-1.735 χ^2/NDF:2535.6/36

All: -446.217+/-1.256 χ^2/NDF: 4708.1/68



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: 11.207+/-1.684 χ^2/NDF:287.2/15

Left: 13.149+/-1.159 χ^2/NDF: 565.9/33

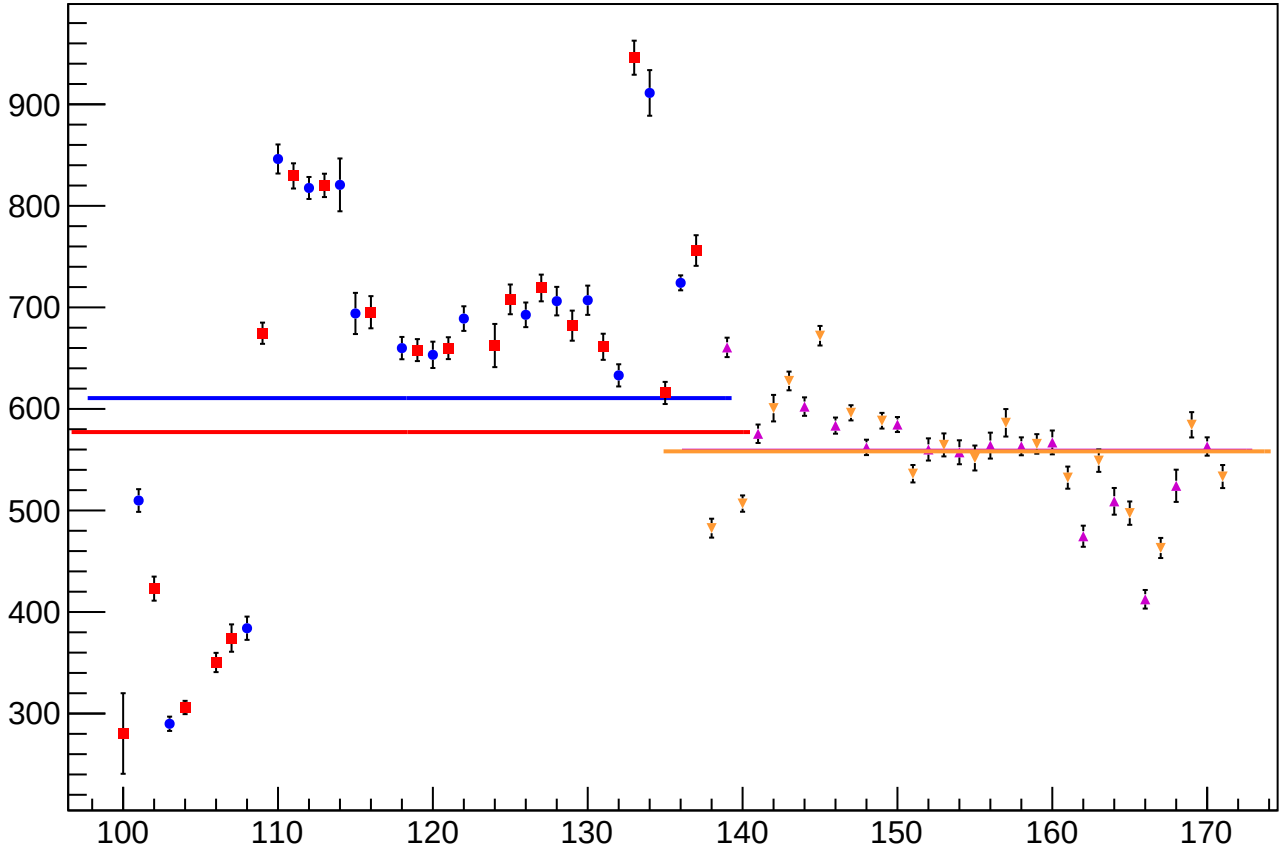
Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 9.722+/-1.433 χ^2/NDF:478.1/31

Out: 13.391+/-1.355 χ^2/NDF:501.5/36

All: 11.659+/-0.984 χ^2/NDF: 983.1/68

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



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: 558.891+/-2.414 χ^2/NDF:502.8/15

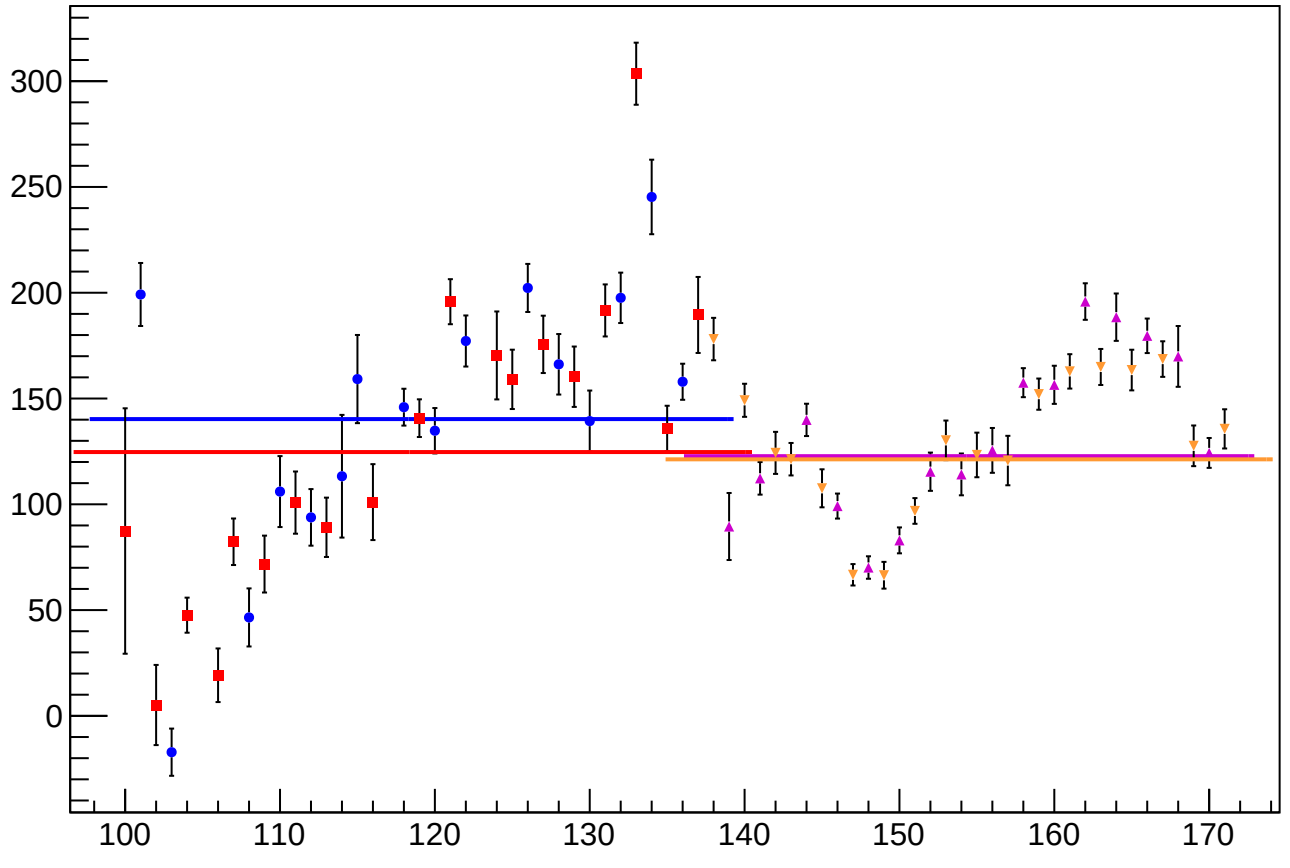
Left: 558.543+/-1.680 χ^2/NDF: 1005.5/33

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 580.145+/-1.853 χ^2/NDF:4584.3/31

Out: 566.169+/-1.783 χ^2/NDF:5330.5/36

All: 572.888+/-1.285 χ^2/NDF: 9944.3/68



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: 122.755+/-1.981 χ^2/NDF:374.2/15

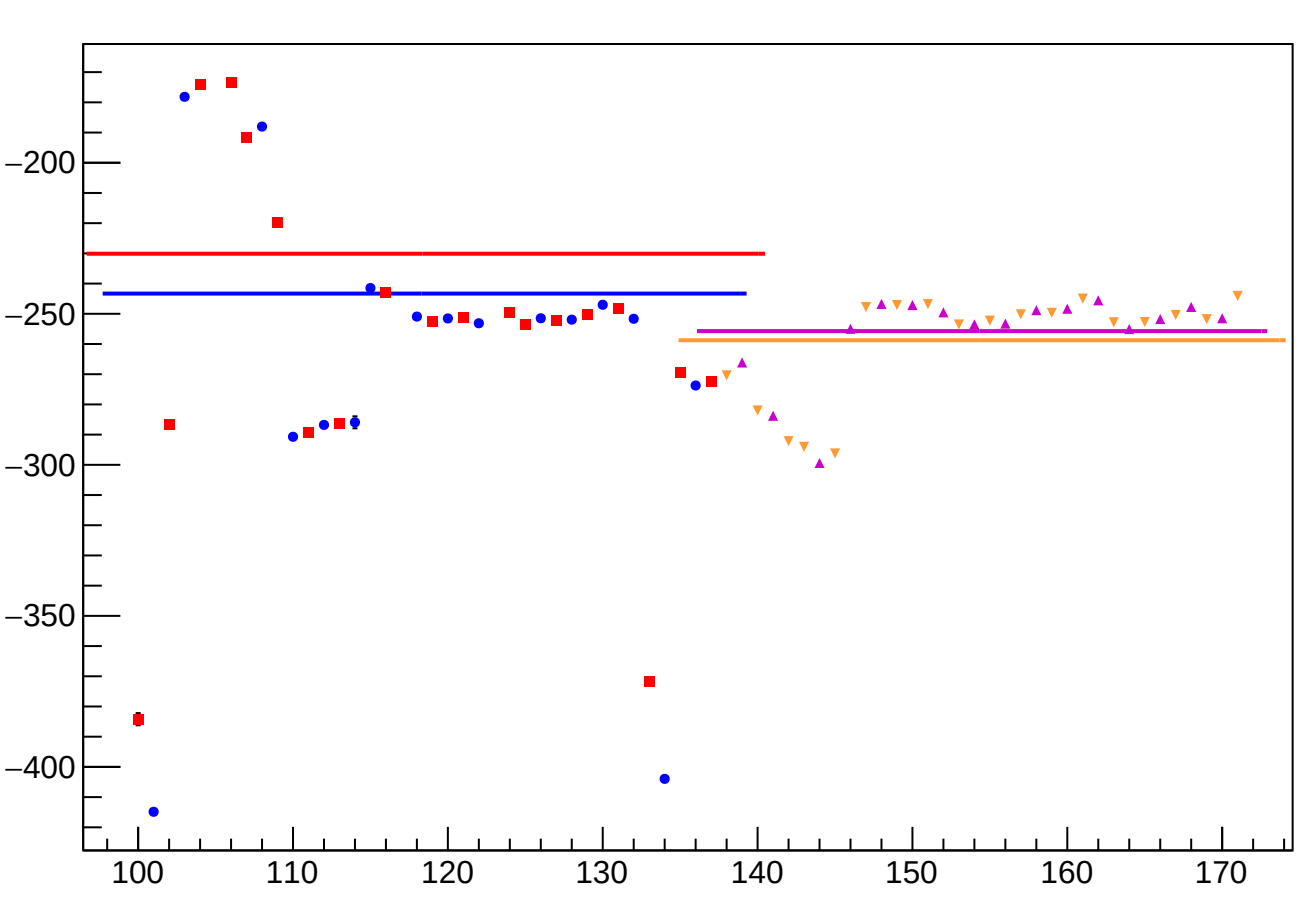
Left: 121.969+/-1.368 χ^2/NDF: 754.1/33

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 127.717+/-1.677 χ^2/NDF:781.8/31

Out: 122.242+/-1.597 χ^2/NDF:889.1/36

All: 124.846+/-1.156 χ^2/NDF: 1676.5/68



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: -255.729+/-0.092 χ^2/NDF:22150.8/15

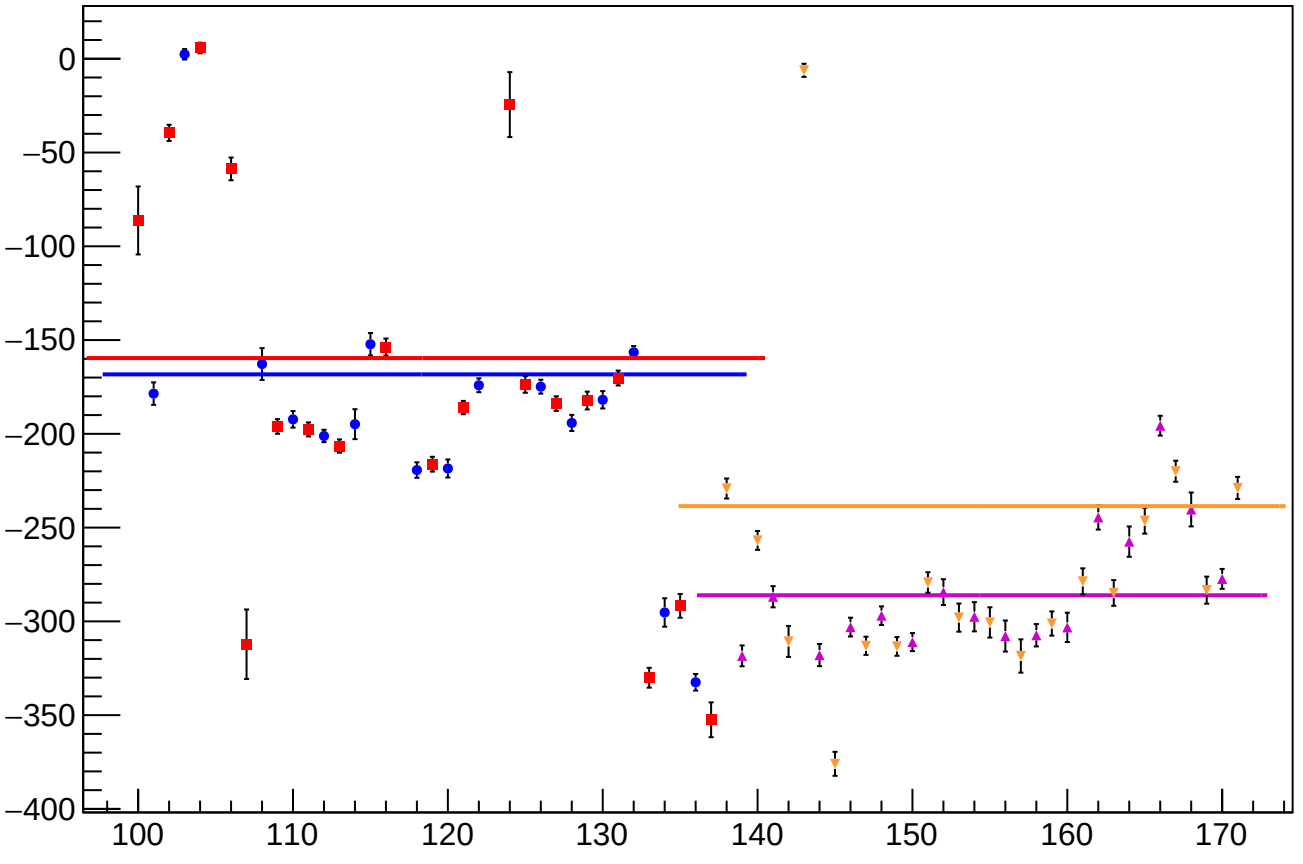
Left: -257.273+/-0.064 χ^2/NDF: 58928.7/33

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.725+/-0.080 χ^2/NDF:200067.6/31

Out: -251.706+/-0.078 χ^2/NDF:163655.2/36

All: -252.203+/-0.056 χ^2/NDF: 363806.0/68



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: -286.070+/-1.516 χ^2/NDF:508.1/15

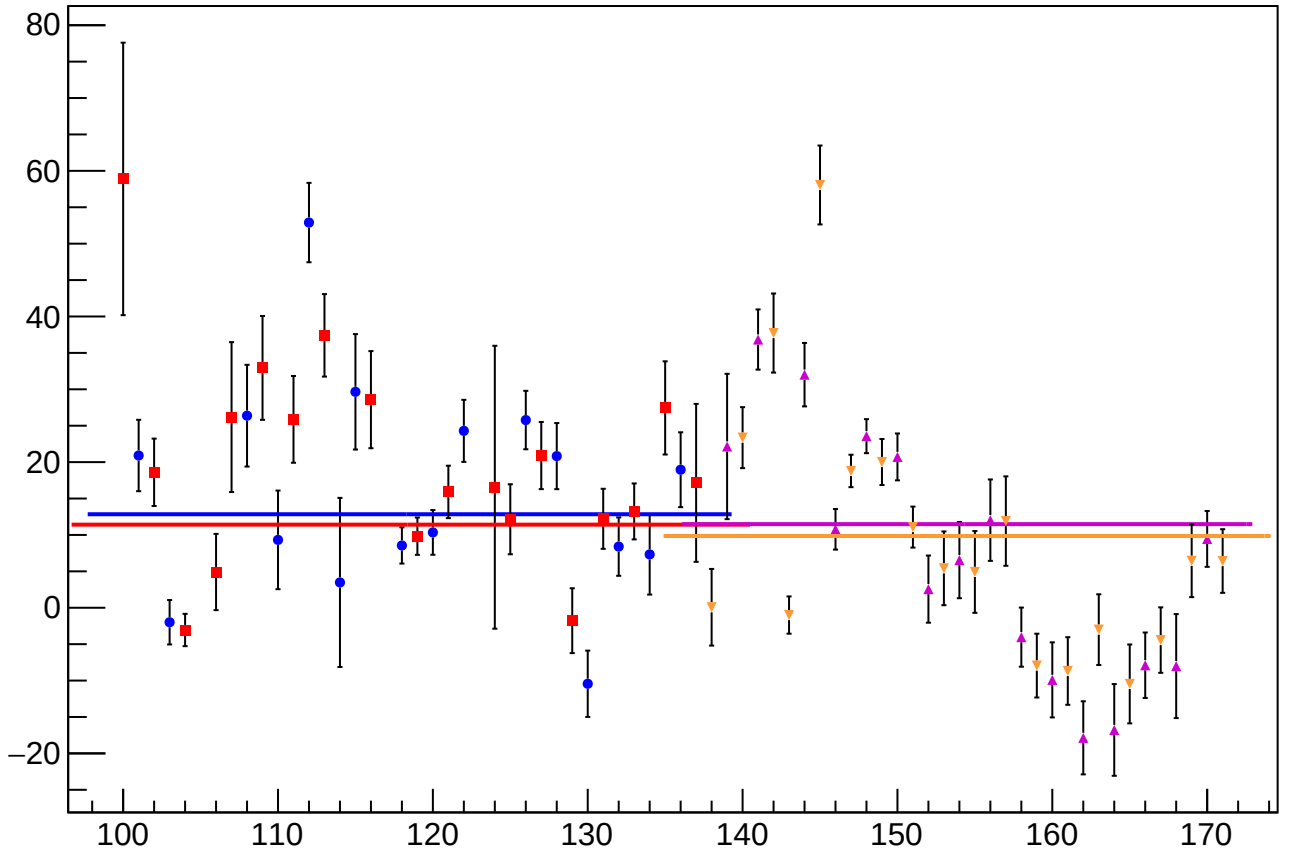
Left: -260.113+/-1.021 χ^2/NDF: 6932.4/33

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -207.733+/-0.877 χ^2/NDF:10429.9/31

Out: -188.243+/-0.832 χ^2/NDF:15167.1/36

All: -197.472+/-0.604 χ^2/NDF: 25856.8/68



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: 11.484+/-1.028 χ^2/NDF:213.1/15

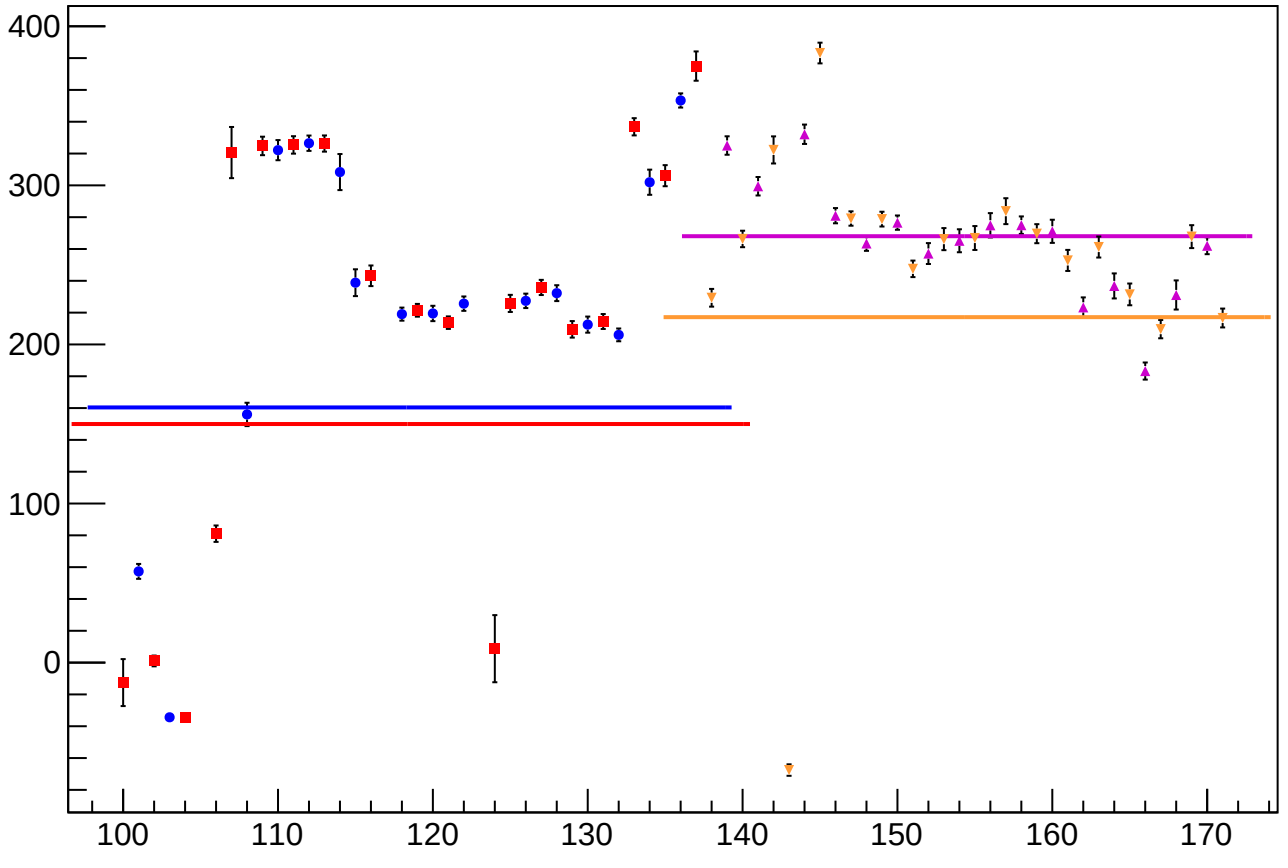
Left: 10.586+/-0.690 χ^2/NDF: 444.9/33

Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 12.132+/-0.744 χ^2/NDF:357.6/31

Out: 10.550+/-0.692 χ^2/NDF:351.3/36

All: 11.284+/-0.507 χ^2/NDF: 711.3/68



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: 268.041+/-1.473 χ^2/NDF:586.7/15

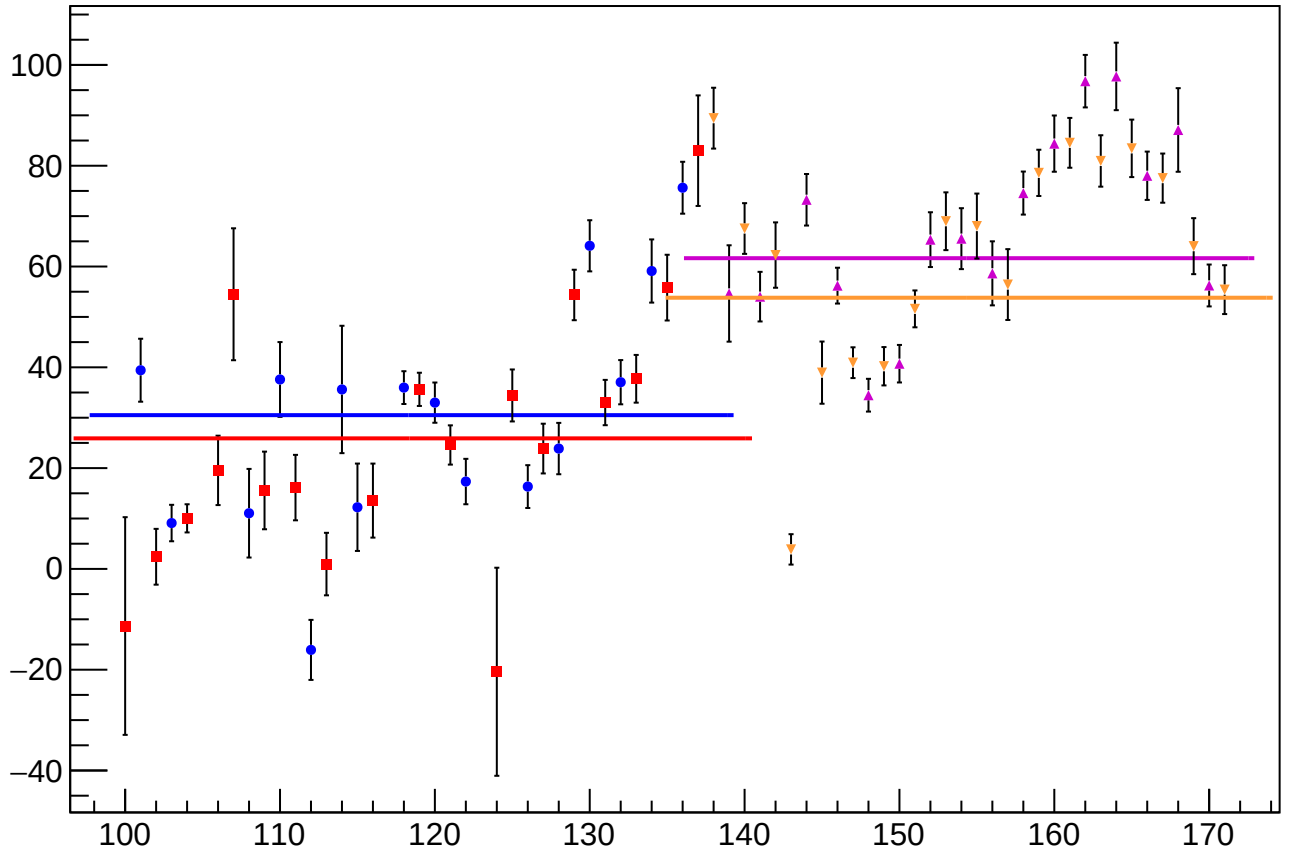
Left: 240.527+/-0.998 χ^2/NDF: 9115.5/33

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 200.693+/-0.901 χ^2/NDF:17878.9/31

Out: 176.800+/-0.858 χ^2/NDF:25619.5/36

All: 188.160+/-0.621 χ^2/NDF: 43867.4/68



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: 61.653+/-1.209 χ^2/NDF:236.0/15

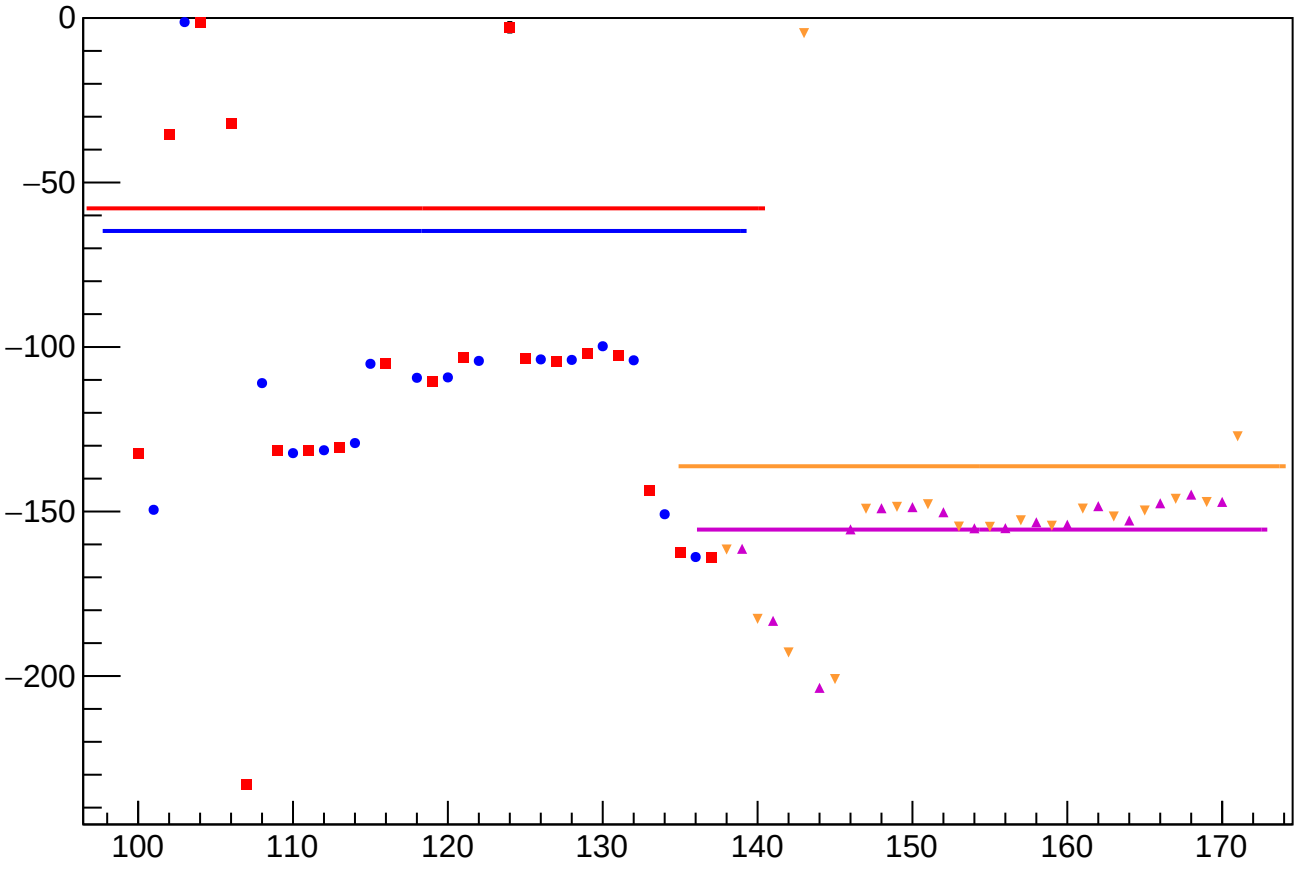
Left: 57.360+/-0.813 χ^2/NDF: 776.1/33

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 46.659+/-0.870 χ^2/NDF:832.6/31

Out: 41.223+/-0.815 χ^2/NDF:995.3/36

All: 43.761+/-0.595 χ^2/NDF: 1848.6/68



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: -155.491+/-0.056 χ^2/NDF:54258.7/15

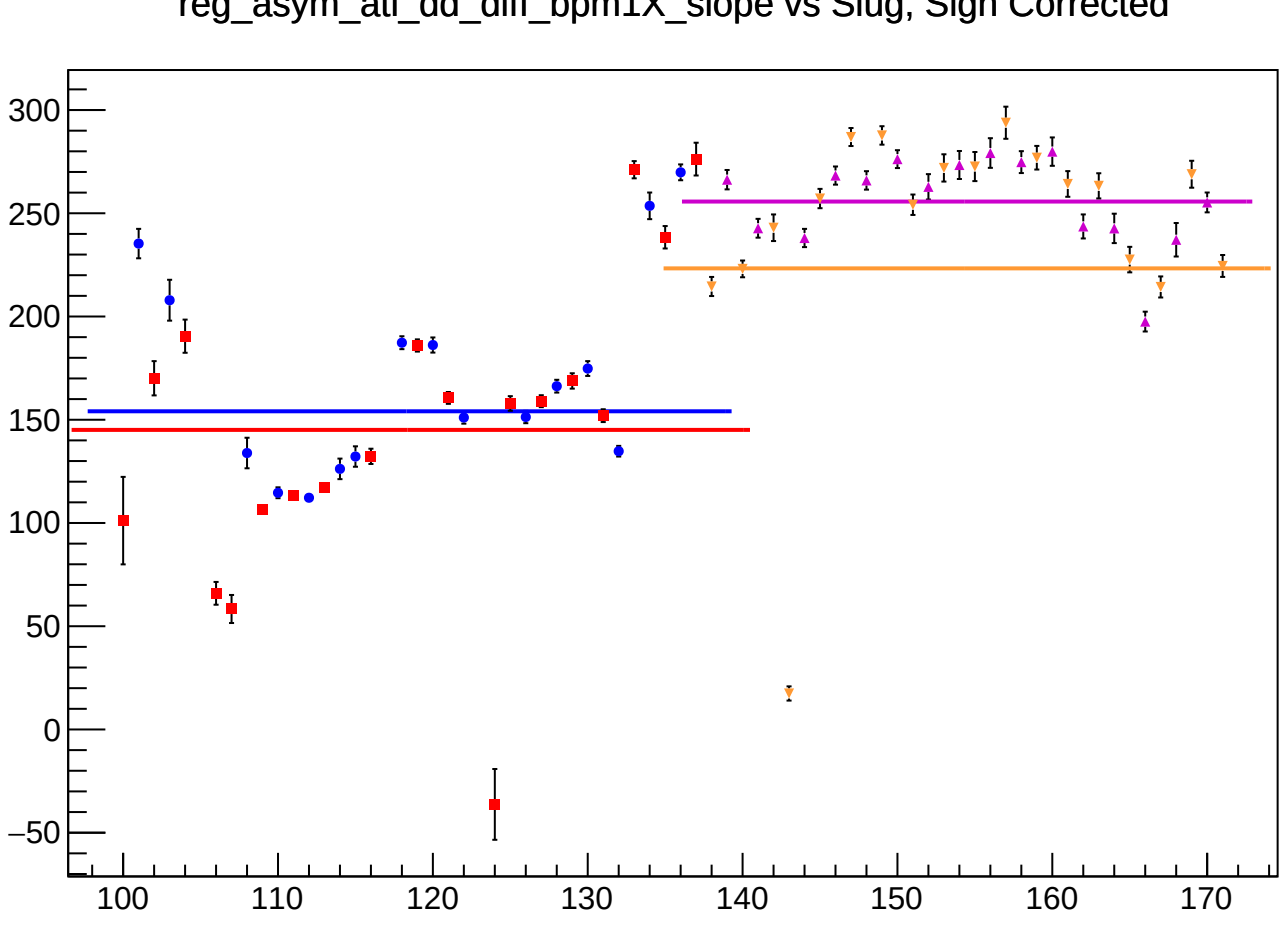
Left: -145.222+/-0.038 χ^2/NDF: 1081803.7/33

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -116.094+/-0.042 χ^2/NDF:2244425.7/31

Out: -103.779+/-0.040 χ^2/NDF:2771967.0/36

All: -109.631+/-0.029 χ^2/NDF: 5061449.4/68



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 223.309+/-1.220 χ^2/NDF:4508.0/17

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 255.674+/-1.318 χ^2/NDF:268.8/15

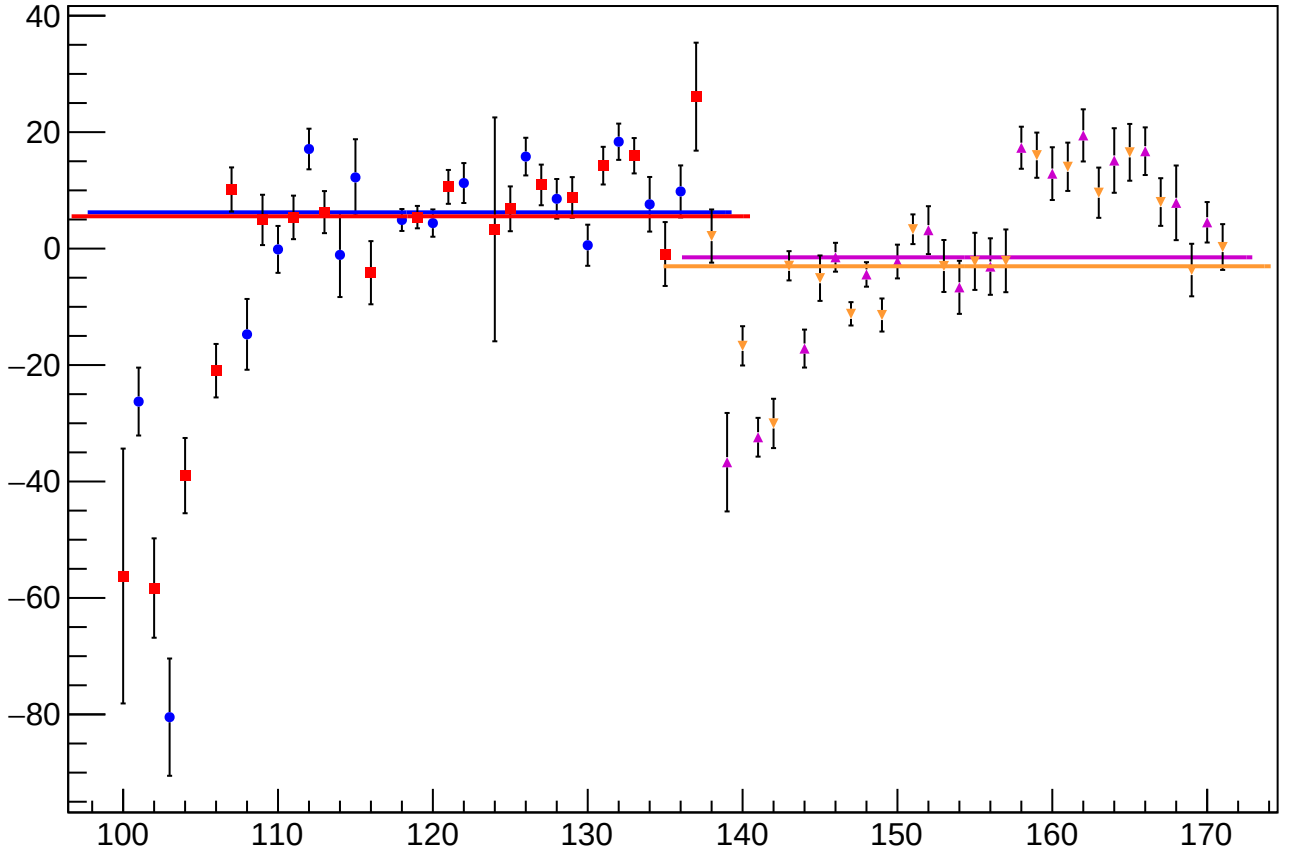
Left: 238.243+/-0.895 χ^2/NDF: 5101.4/33

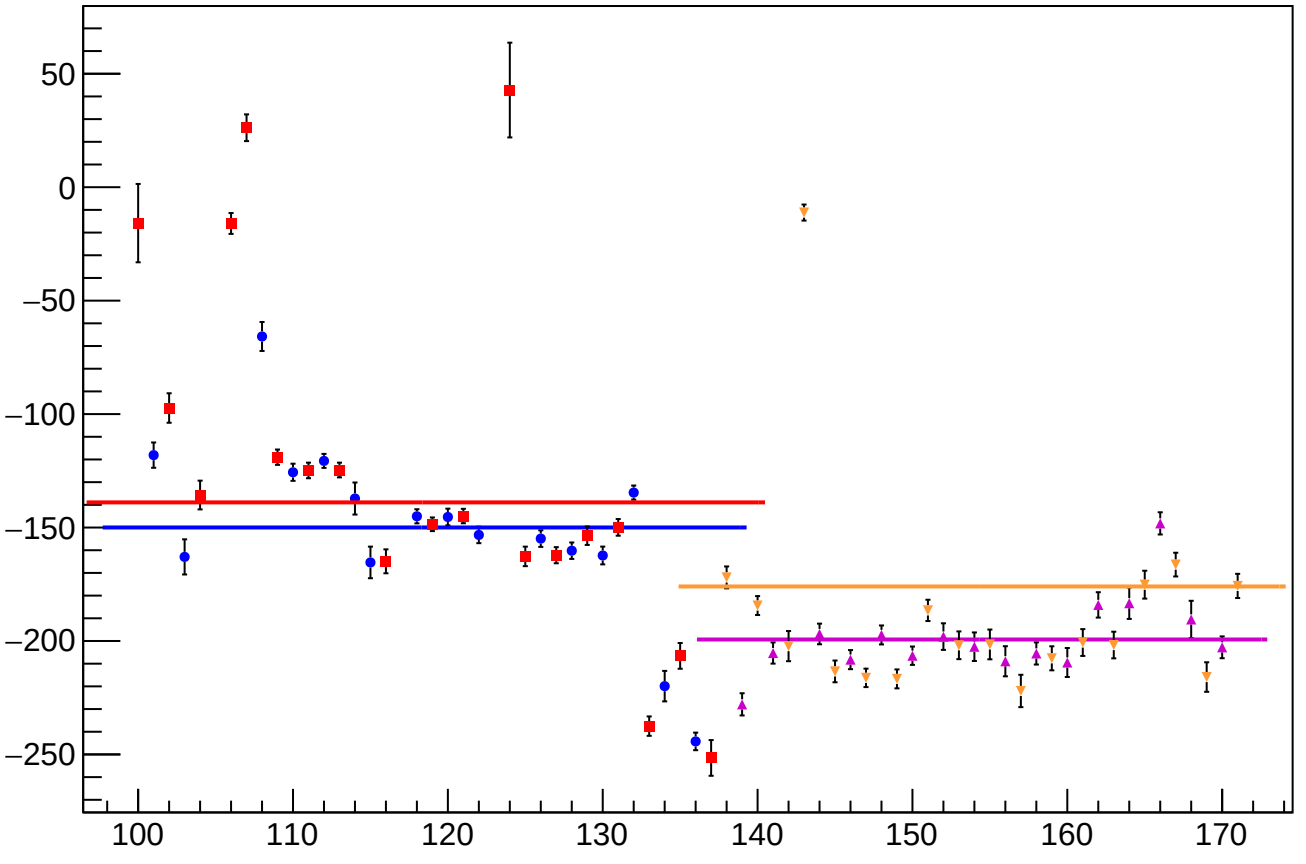
Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 184.874+/-0.726 χ^2/NDF:6688.8/31

Out: 169.668+/-0.684 χ^2/NDF:10285.0/36

All: 176.823+/-0.498 χ^2/NDF: 17206.4/68


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: -1.498+/-0.902 χ²/NDF:224.2/15
Left: -2.333+/-0.609 χ²/NDF: 389.7/33
Right: 5.888+/-0.629 χ²/NDF: 343.5/34
In: 2.415+/-0.633 χ²/NDF:423.5/31
Out: 0.945+/-0.606 χ²/NDF:395.0/36
All: 1.647+/-0.438 χ²/NDF: 821.3/68



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: -199.344+/-1.284 χ^2/NDF:174.0/15

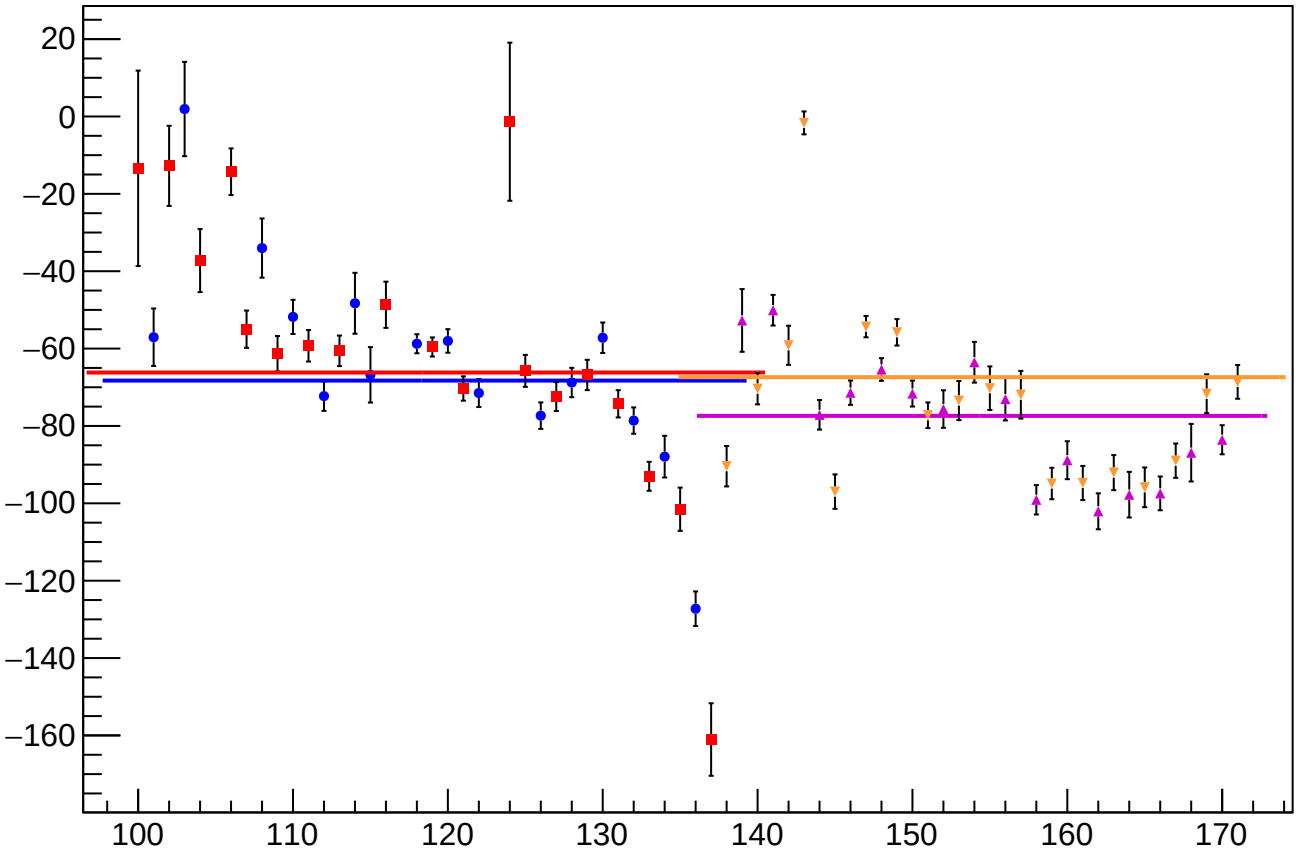
Left: -186.873+/-0.877 χ^2/NDF: 2981.8/33

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -169.208+/-0.801 χ^2/NDF:2176.4/31

Out: -153.979+/-0.765 χ^2/NDF:5947.6/36

All: -161.244+/-0.553 χ^2/NDF: 8312.9/68



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: -77.394+/-1.059 χ^2/NDF:191.4/15

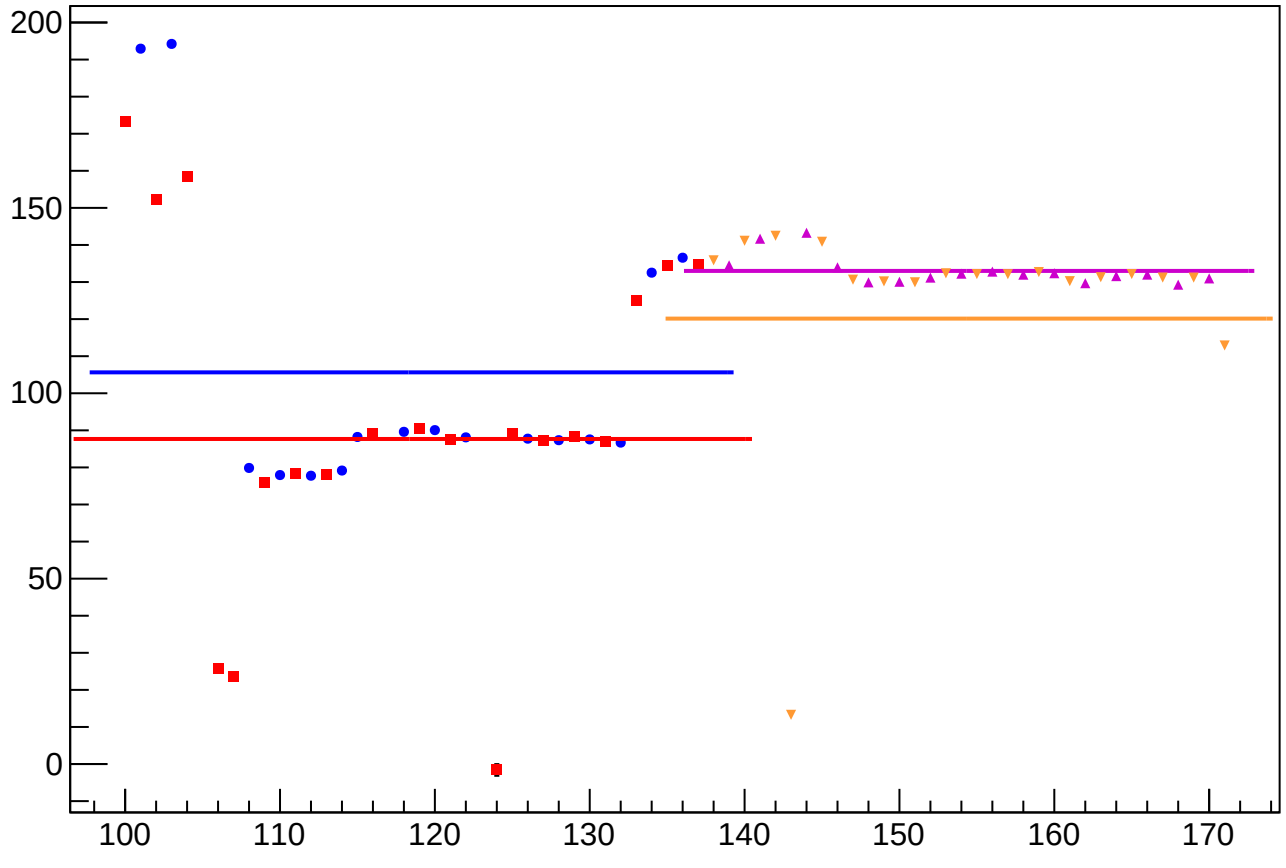
Left: -71.990+/-0.718 χ^2/NDF: 1012.9/33

Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.722+/-0.739 χ^2/NDF:544.8/31

Out: -66.815+/-0.707 χ^2/NDF:1132.3/36

All: -69.635+/-0.511 χ^2/NDF: 1710.5/68



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: 132.999+/-0.049 χ^2/NDF:6127.8/15

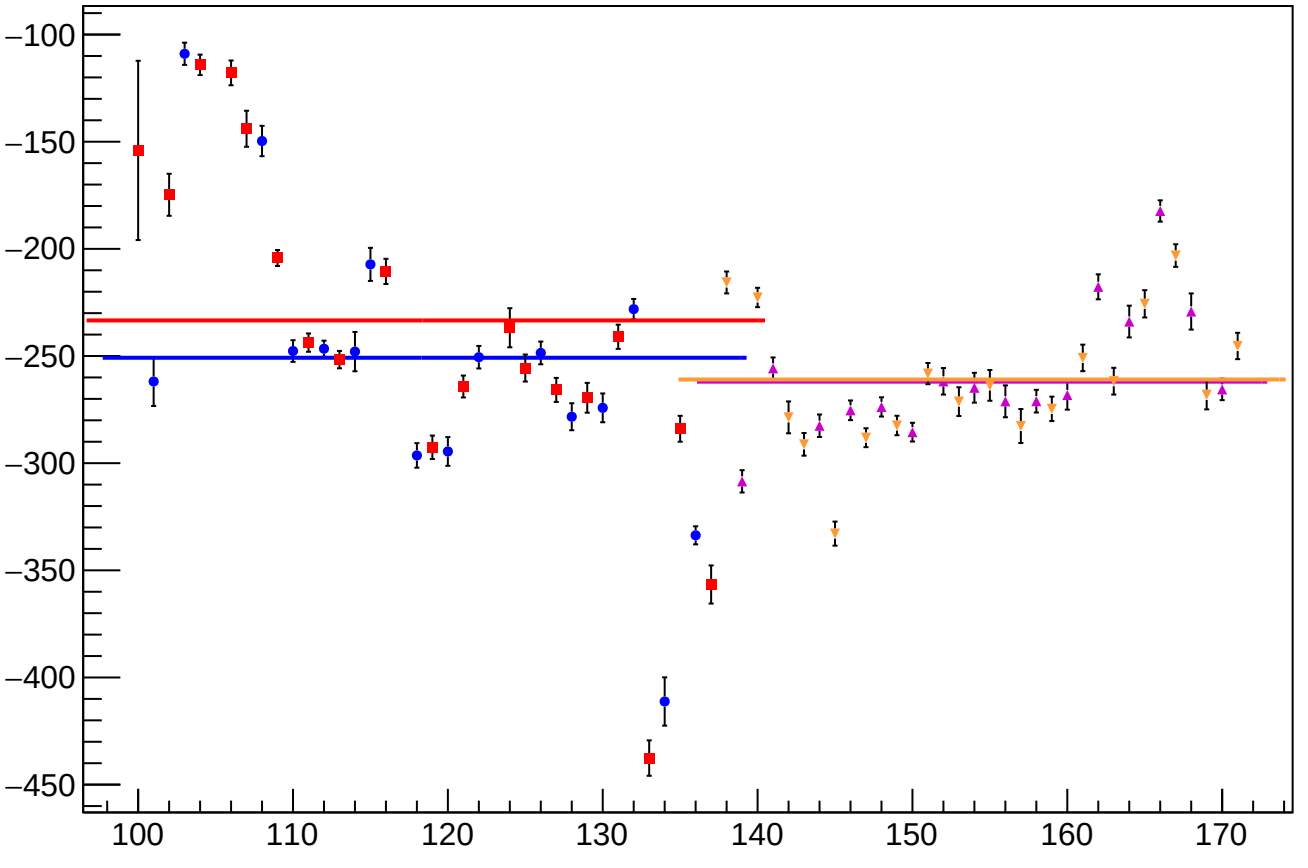
Left: 126.213+/-0.034 χ^2/NDF: 646824.5/33

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 124.179+/-0.040 χ^2/NDF:346835.8/31

Out: 109.371+/-0.038 χ^2/NDF:1142141.1/36

All: 116.315+/-0.028 χ^2/NDF: 1560971.7/68



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: -261.959+/-1.380 χ^2/NDF:491.4/15

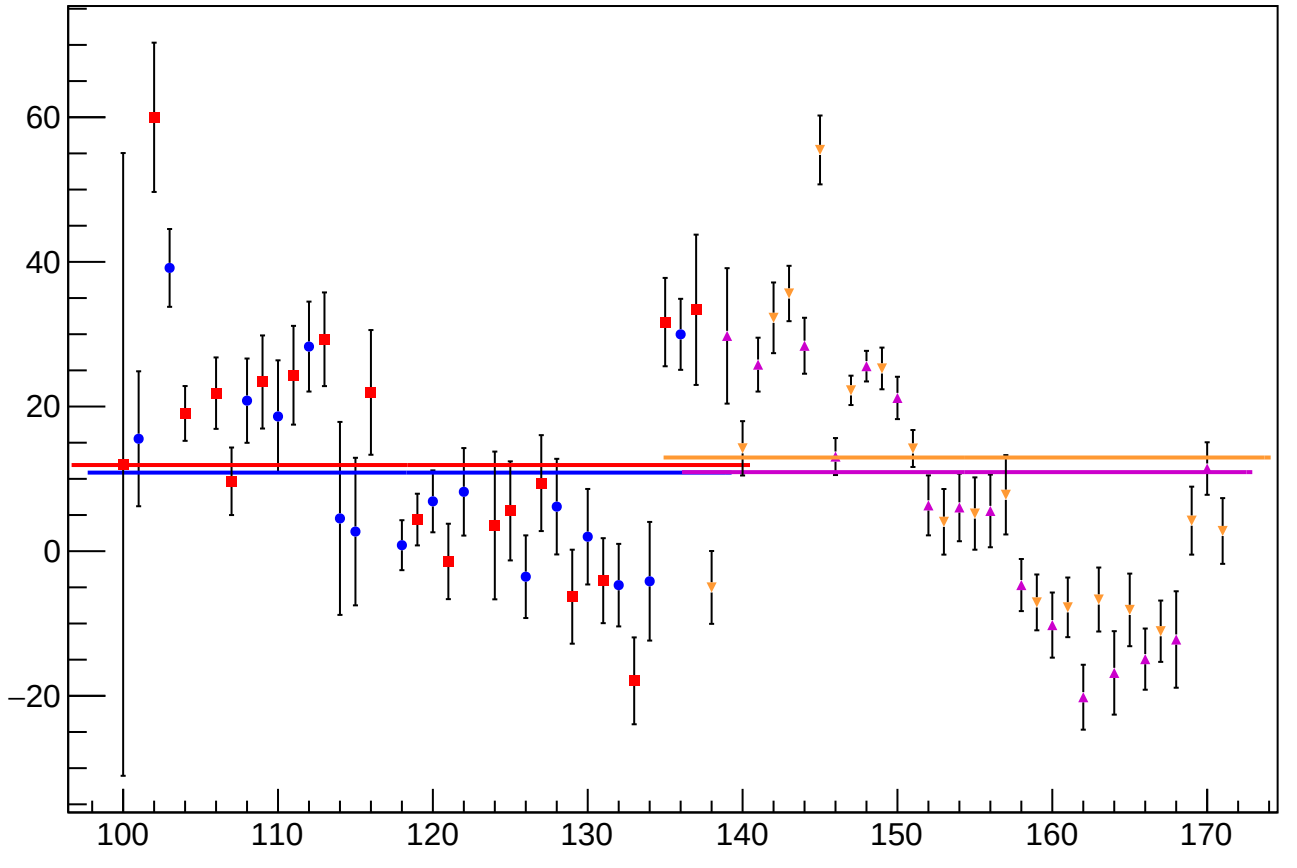
Left: -261.439+/-0.959 χ^2/NDF: 1081.4/33

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -256.615+/-0.996 χ^2/NDF:2258.4/31

Out: -247.169+/-0.943 χ^2/NDF:3181.8/36

All: -251.635+/-0.685 χ^2/NDF: 5487.6/68



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: 10.931+/-0.934 χ^2/NDF:266.3/15

Left: 11.992+/-0.643 χ^2/NDF: 588.7/33

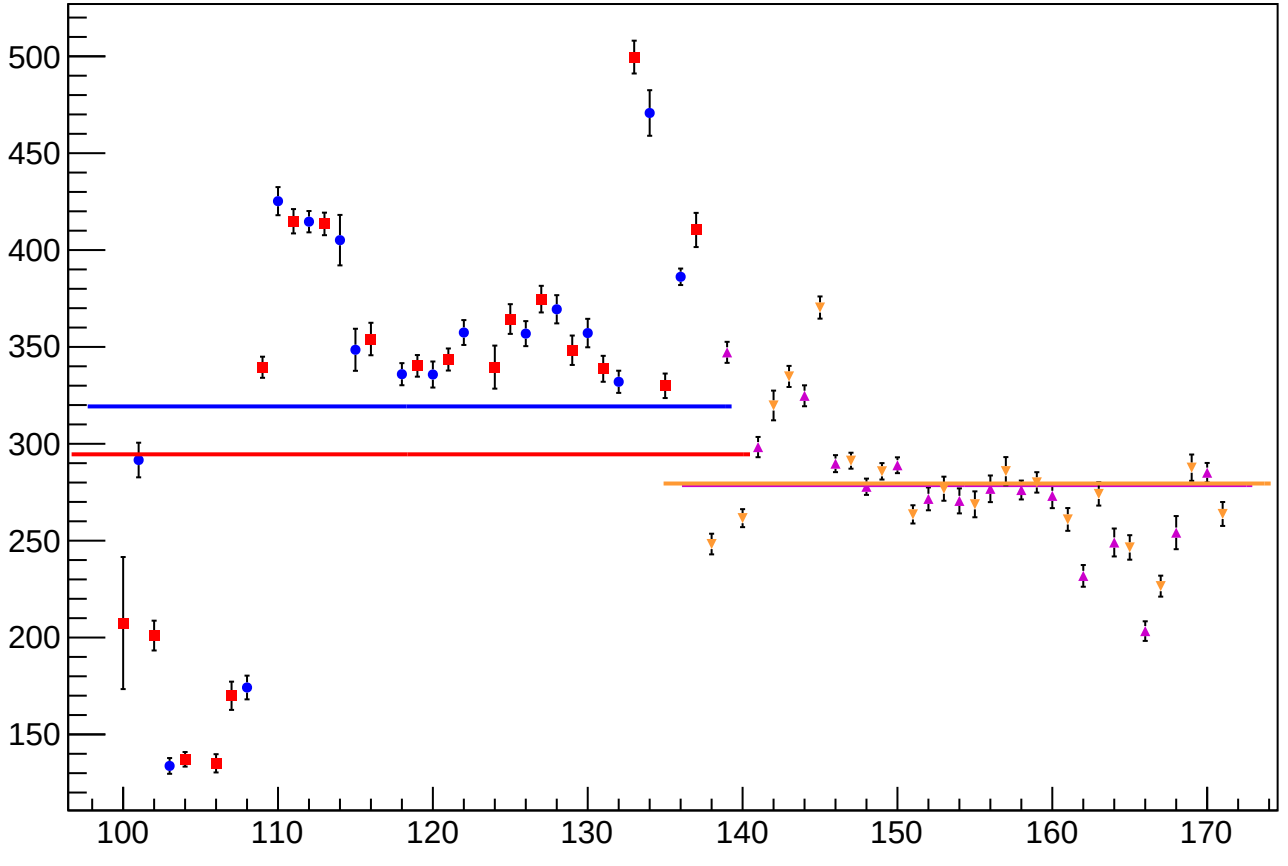
Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

In: 10.912+/-0.788 χ^2/NDF:351.0/31

Out: 12.644+/-0.745 χ^2/NDF:432.3/36

All: 11.827+/-0.541 χ^2/NDF: 785.8/68

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 319.293+/-1.586 χ^2/NDF: 3792.9/15

Left Out: 279.501+/-1.303 χ^2/NDF:598.4/17

Right Out: 294.567+/-1.481 χ^2/NDF: 5503.2/18

Left In: 278.685+/-1.339 χ^2/NDF:581.4/15

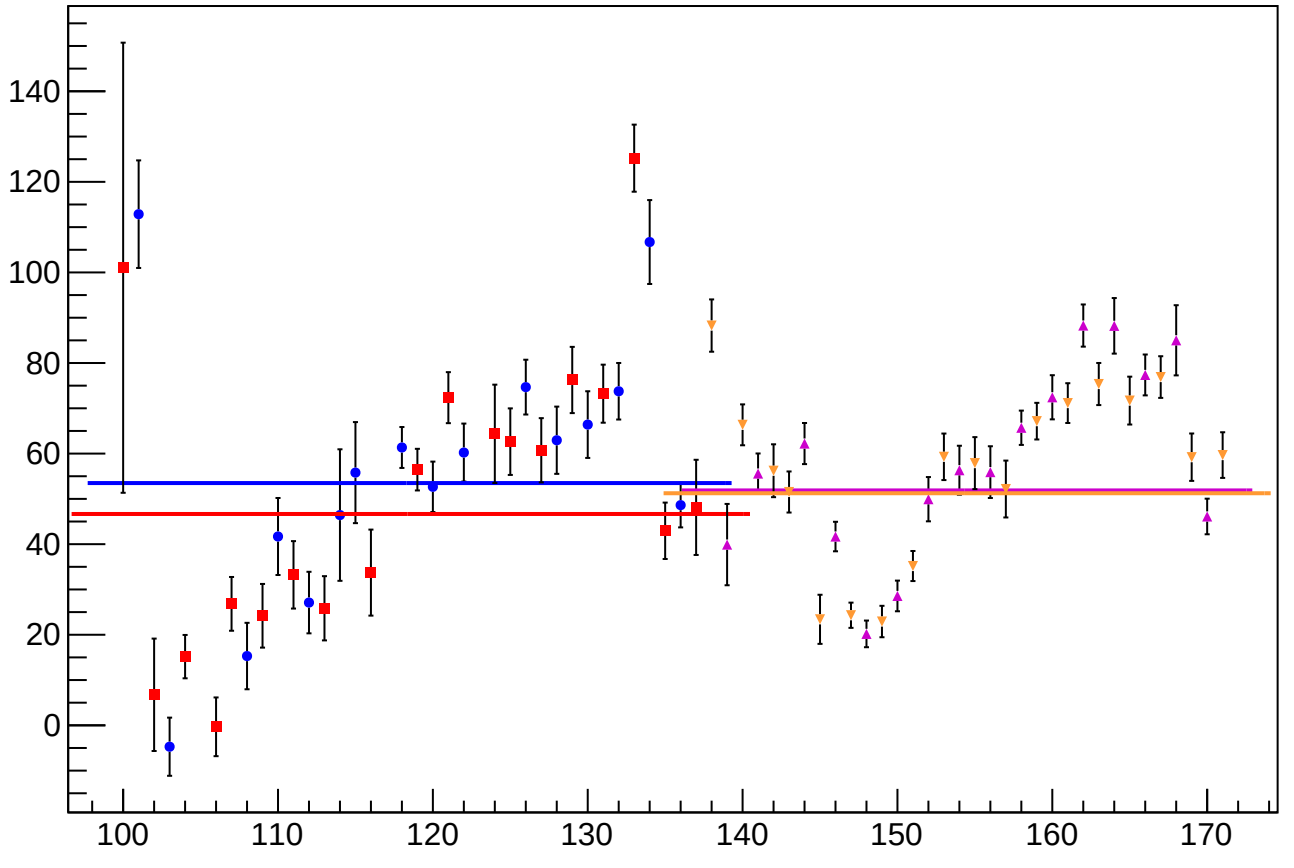
Left: 279.105+/-0.934 χ^2/NDF: 1180.0/33

Right: 306.088+/-1.083 χ^2/NDF: 9425.9/34

In: 295.588+/-1.023 χ^2/NDF:4757.0/31

Out: 286.070+/-0.978 χ^2/NDF:6159.9/36

All: 290.615+/-0.707 χ^2/NDF: 10962.1/68



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: 51.867+/-1.097 χ^2/NDF:361.6/15

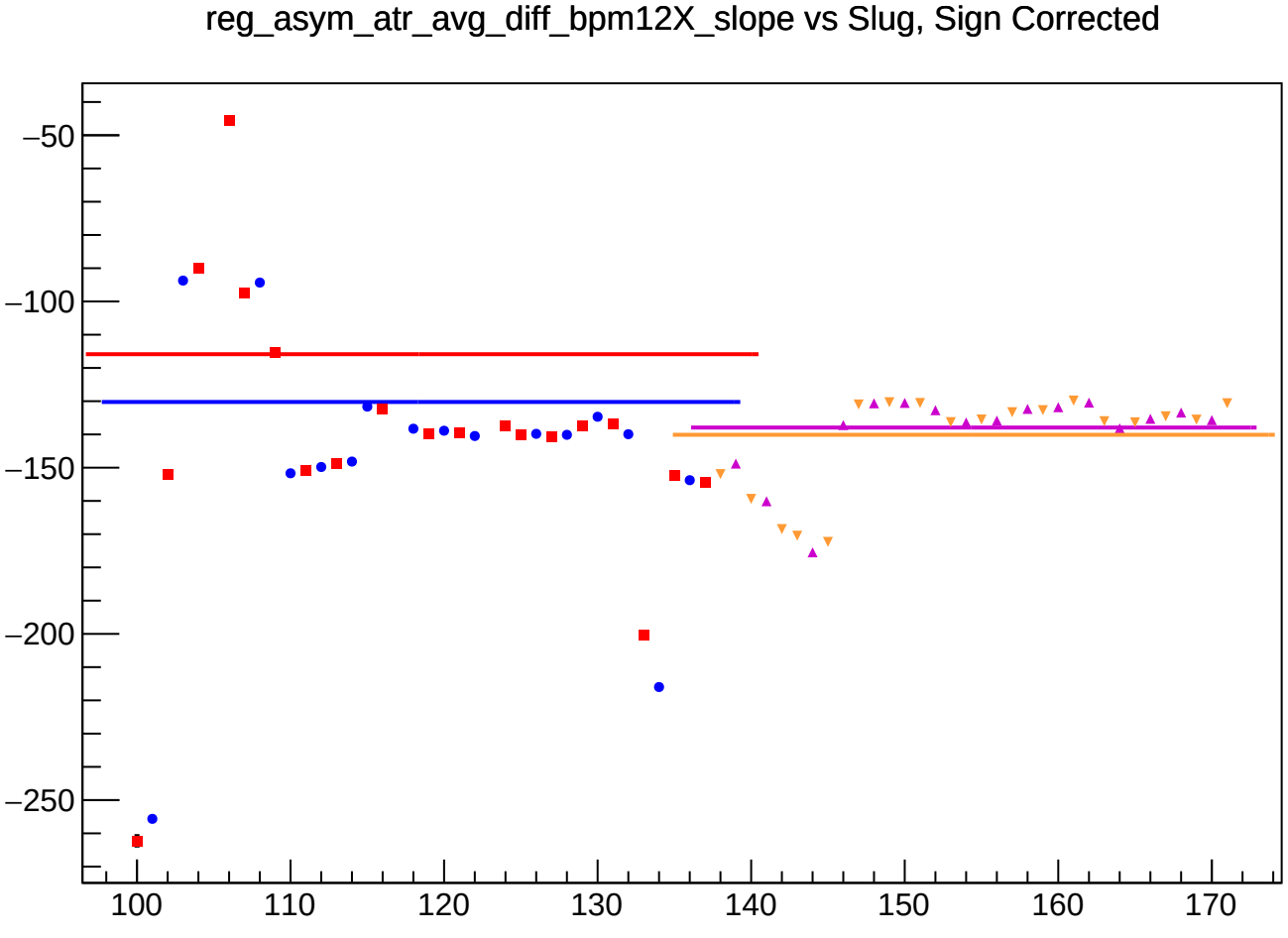
Left: 51.542+/-0.759 χ^2/NDF: 742.8/33

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.346+/-0.922 χ^2/NDF:579.5/31

Out: 49.857+/-0.877 χ^2/NDF:712.4/36

All: 51.040+/-0.635 χ^2/NDF: 1295.7/68



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -140.106+/-0.050 χ^2/NDF:75584.0/17

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -137.929+/-0.051 χ^2/NDF:46170.7/15

Left: -139.038+/-0.036 χ^2/NDF: 122689.6/33

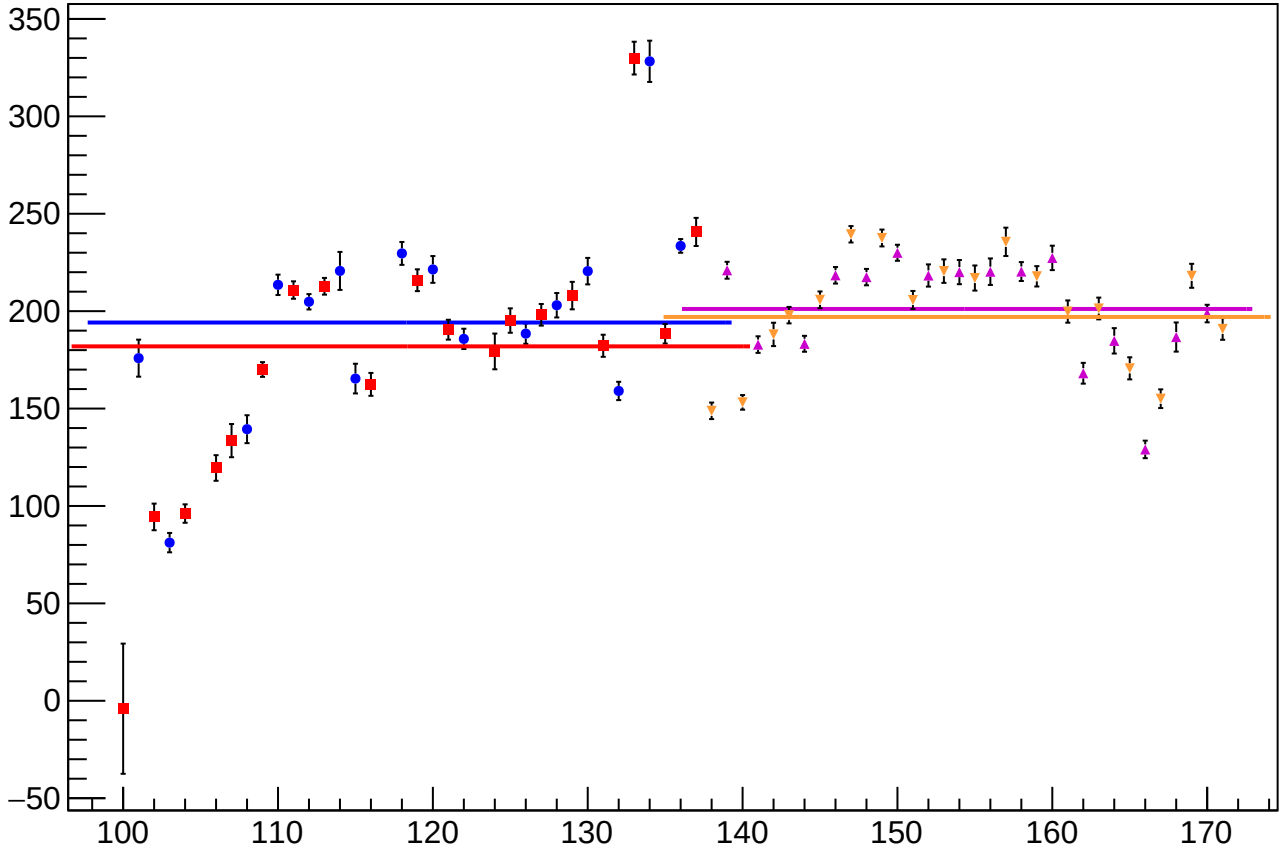
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -136.103+/-0.044 χ^2/NDF:225819.8/31

Out: -133.974+/-0.043 χ^2/NDF:341227.4/36

All: -135.008+/-0.031 χ^2/NDF: 568231.7/68

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: 201.130+/-1.230 χ^2/NDF:504.4/15

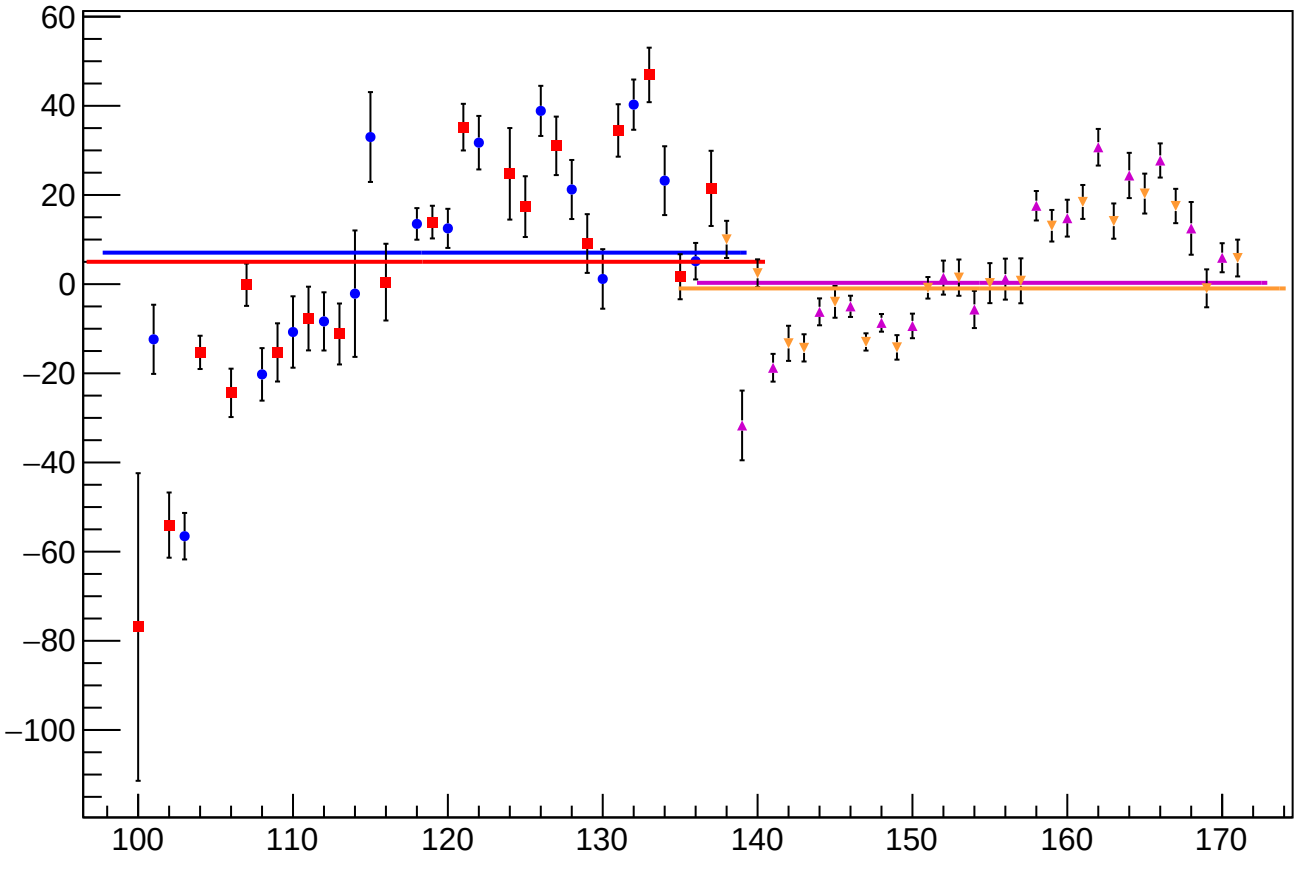
Left: 198.987+/-0.850 χ^2/NDF: 1156.5/33

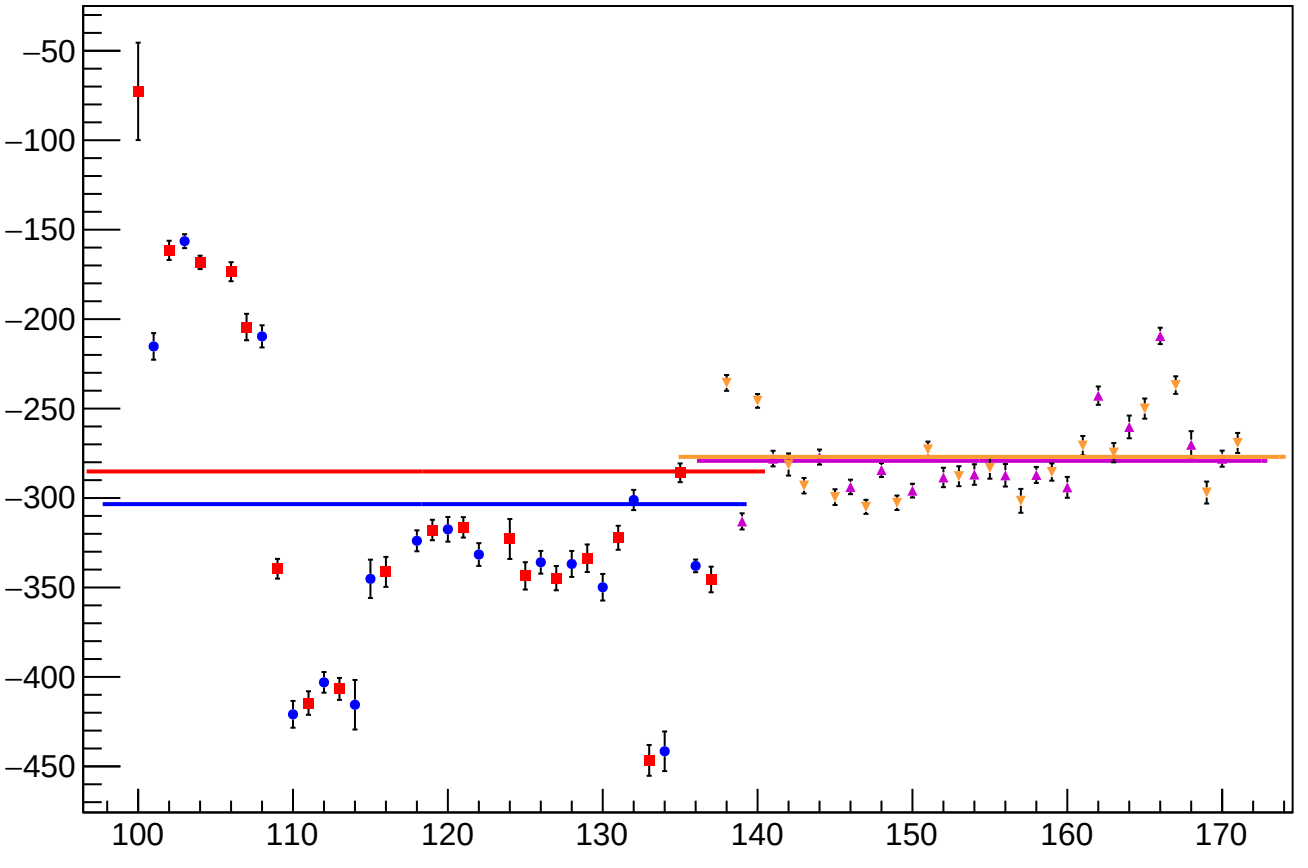
Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 198.111+/-0.926 χ^2/NDF:1553.5/31

Out: 190.363+/-0.878 χ^2/NDF:1924.0/36

All: 194.032+/-0.637 χ^2/NDF: 3514.3/68


reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 7.066+/-1.443 χ²/NDF: 292.6/15
Left Out: -0.963+/-0.797 χ²/NDF:204.6/17
Right Out: 5.015+/-1.355 χ²/NDF: 288.5/18
Left In: 0.295+/-0.844 χ²/NDF:274.3/15
Left: -0.370+/-0.579 χ²/NDF: 480.1/33
Right: 5.976+/-0.988 χ²/NDF: 582.2/34
In: 2.021+/-0.728 χ²/NDF:583.2/31
Out: 0.573+/-0.687 χ²/NDF:507.6/36
All: 1.254+/-0.500 χ²/NDF: 1092.9/68



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: -279.213+/-1.198 χ^2/NDF:398.5/15

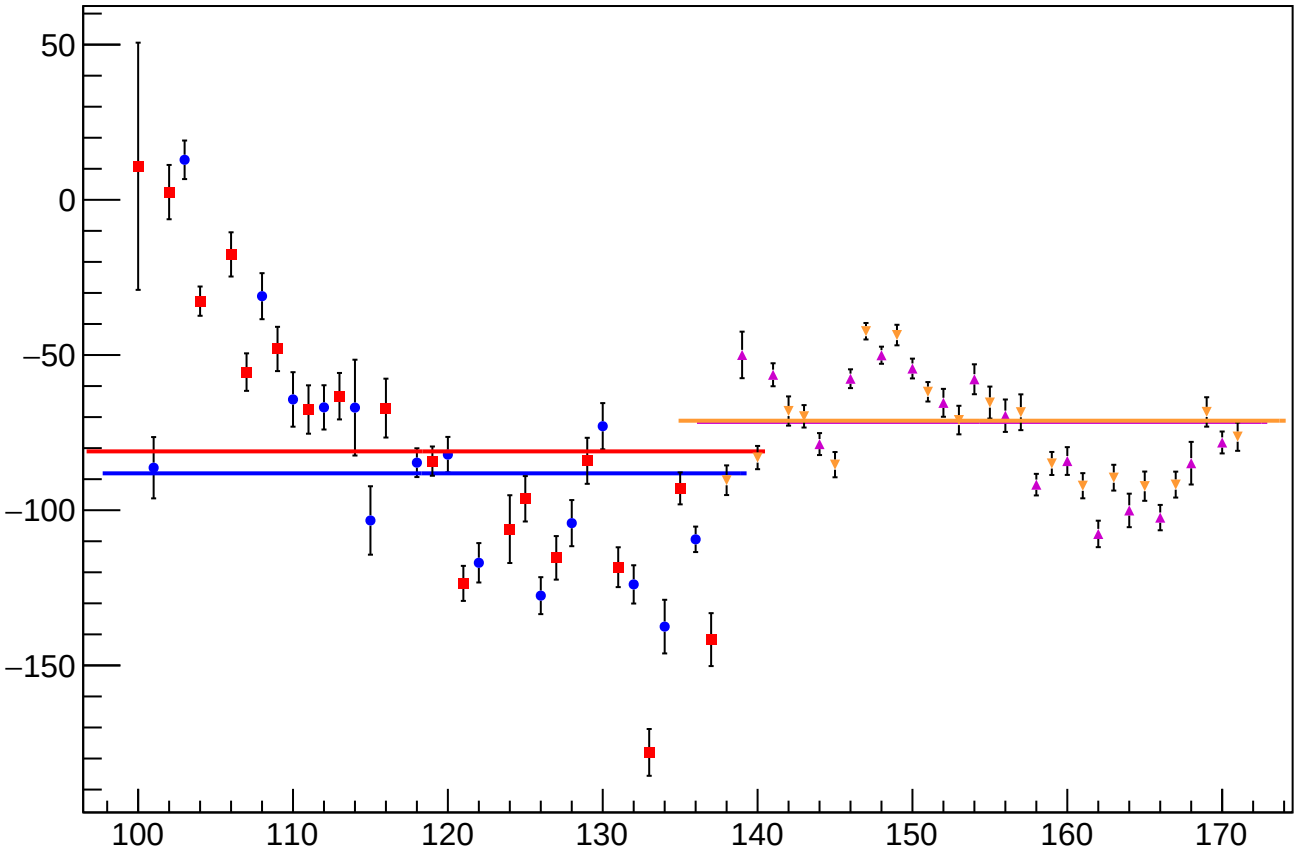
Left: -278.055+/-0.831 χ^2/NDF: 810.6/33

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -288.409+/-0.943 χ^2/NDF:3339.0/31

Out: -280.144+/-0.903 χ^2/NDF:4184.5/36

All: -284.097+/-0.652 χ^2/NDF: 7563.6/68



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: -71.556+/-0.989 χ^2/NDF:355.7/15

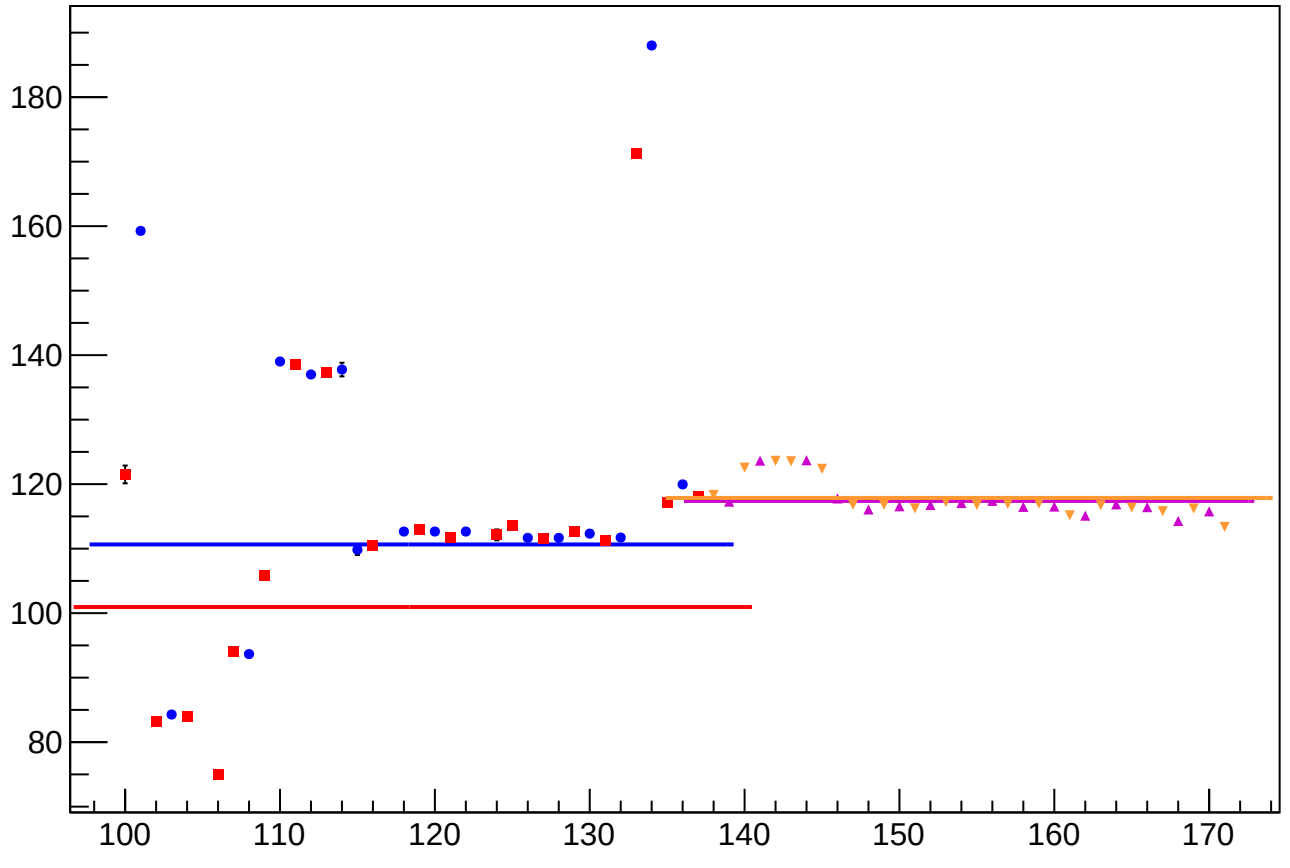
Left: -71.350+/-0.681 χ^2/NDF: 698.5/33

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.915+/-0.849 χ^2/NDF:941.4/31

Out: -73.772+/-0.806 χ^2/NDF:1049.4/36

All: -74.788+/-0.585 χ^2/NDF: 1994.2/68



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: 117.399+/-0.046 χ^2/NDF:2936.1/15

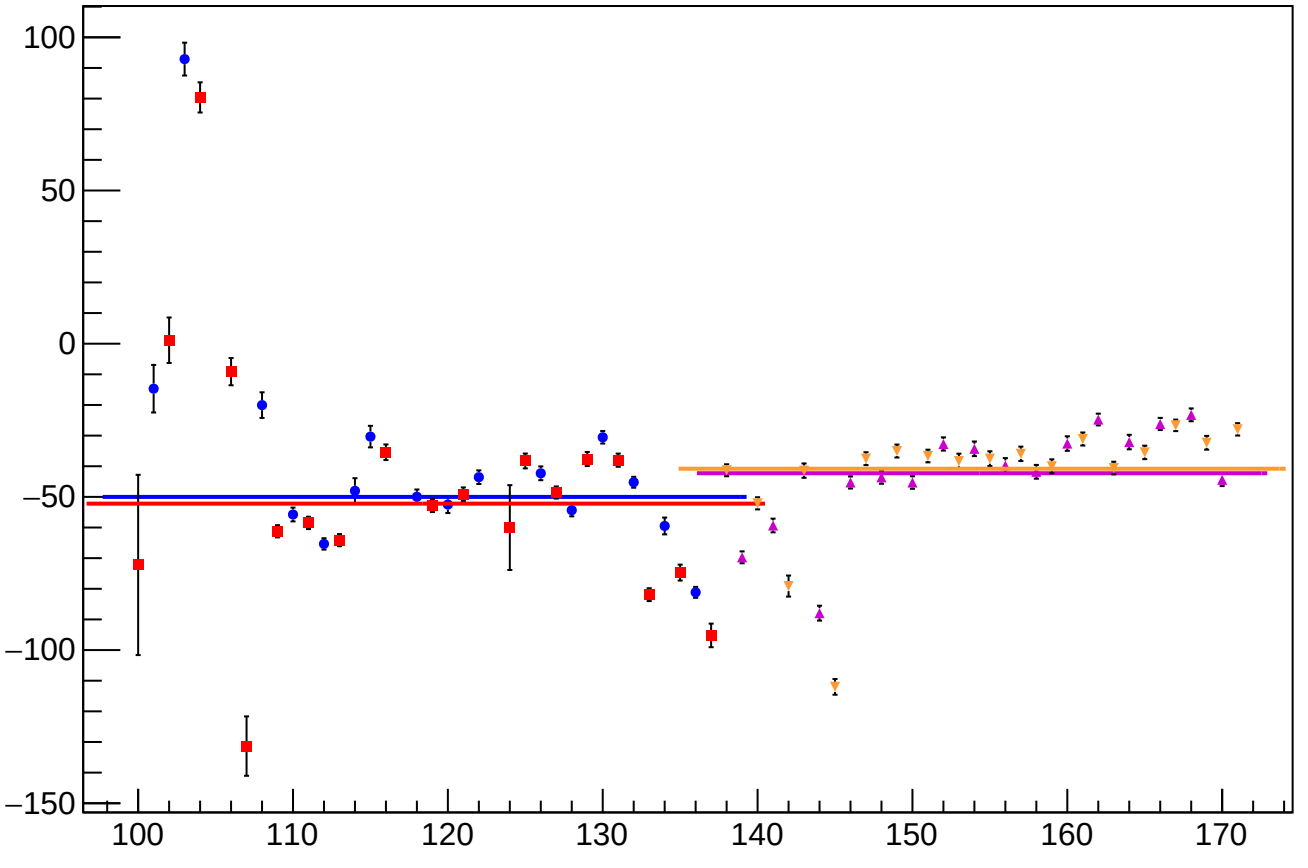
Left: 117.636+/-0.032 χ^2/NDF: 7203.7/33

Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.916+/-0.040 χ^2/NDF:91282.1/31

Out: 113.965+/-0.039 χ^2/NDF:99788.1/36

All: 114.907+/-0.028 χ^2/NDF: 192288.3/68



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: -42.278+/-0.538 χ^2/NDF:915.4/15

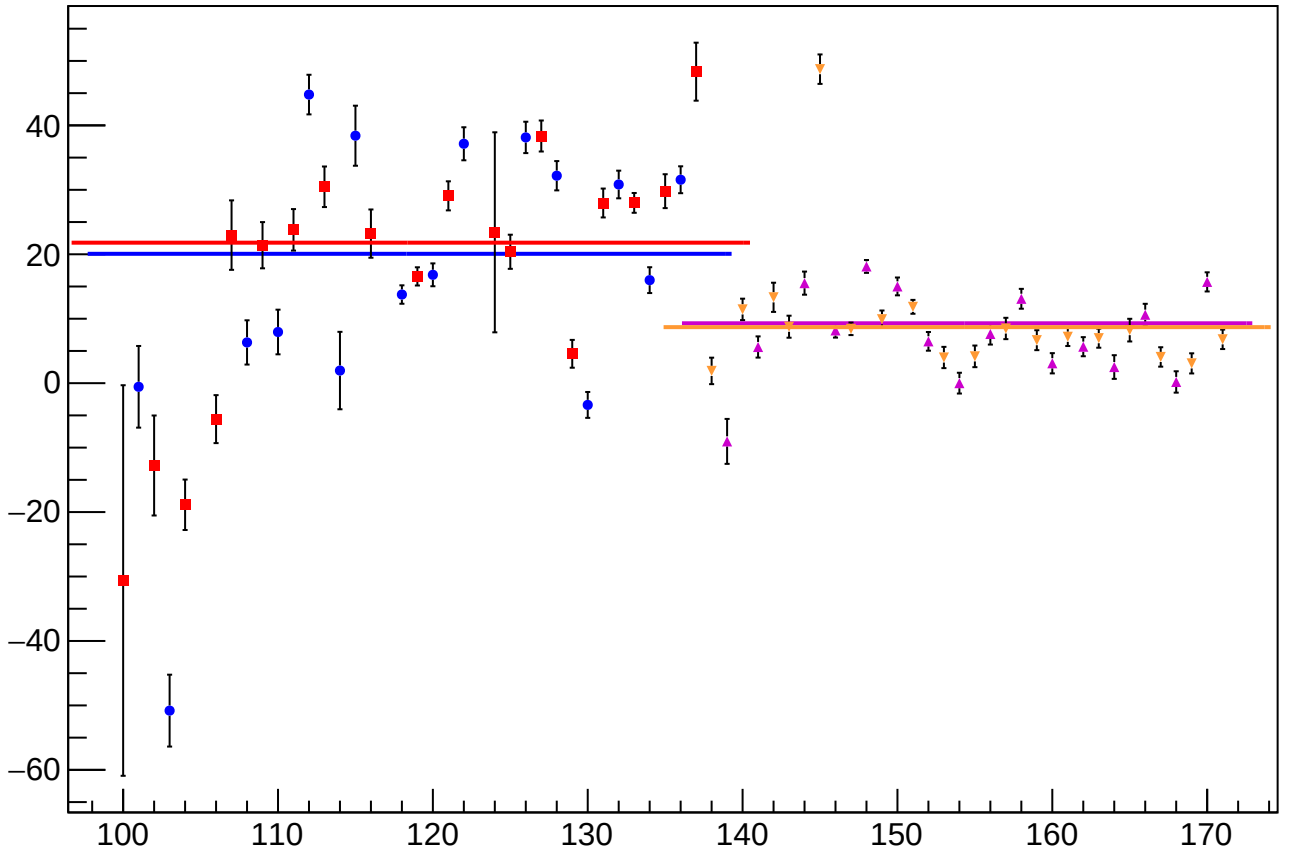
Left: -41.516+/-0.373 χ^2/NDF: 2000.5/33

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -45.660+/-0.403 χ^2/NDF:2333.1/31

Out: -45.639+/-0.394 χ^2/NDF:2856.0/36

All: -45.649+/-0.282 χ^2/NDF: 5189.2/68



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: 9.292+/-0.376 χ^2/NDF:269.7/15

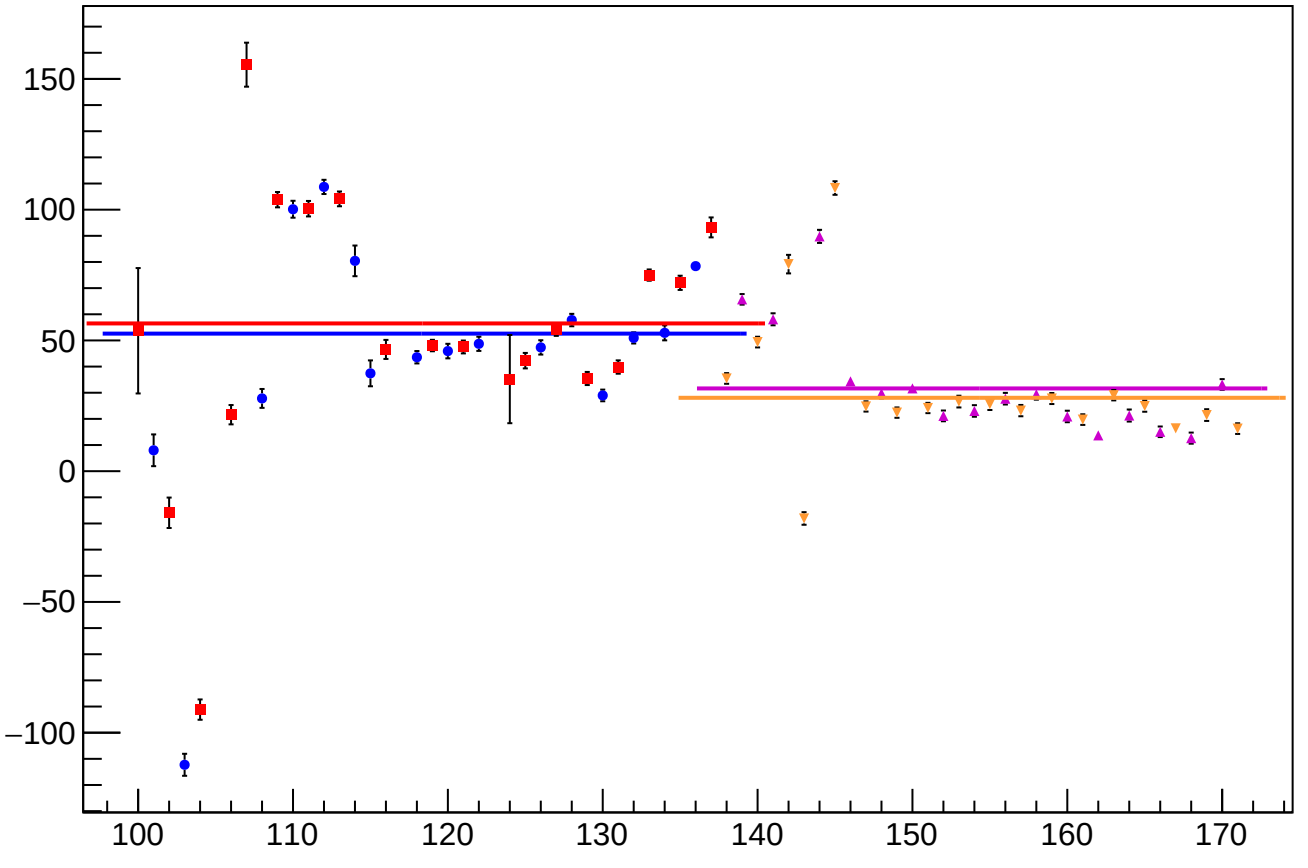
Left: 8.977+/-0.259 χ^2/NDF: 648.7/33

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 12.249+/-0.320 χ^2/NDF:1131.1/31

Out: 11.938+/-0.309 χ^2/NDF:1108.1/36

All: 12.088+/-0.223 χ^2/NDF: 2239.7/68



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: 31.643+/-0.522 χ^2/NDF:1289.9/15

Left: 29.797+/-0.364 χ^2/NDF: 3084.8/33

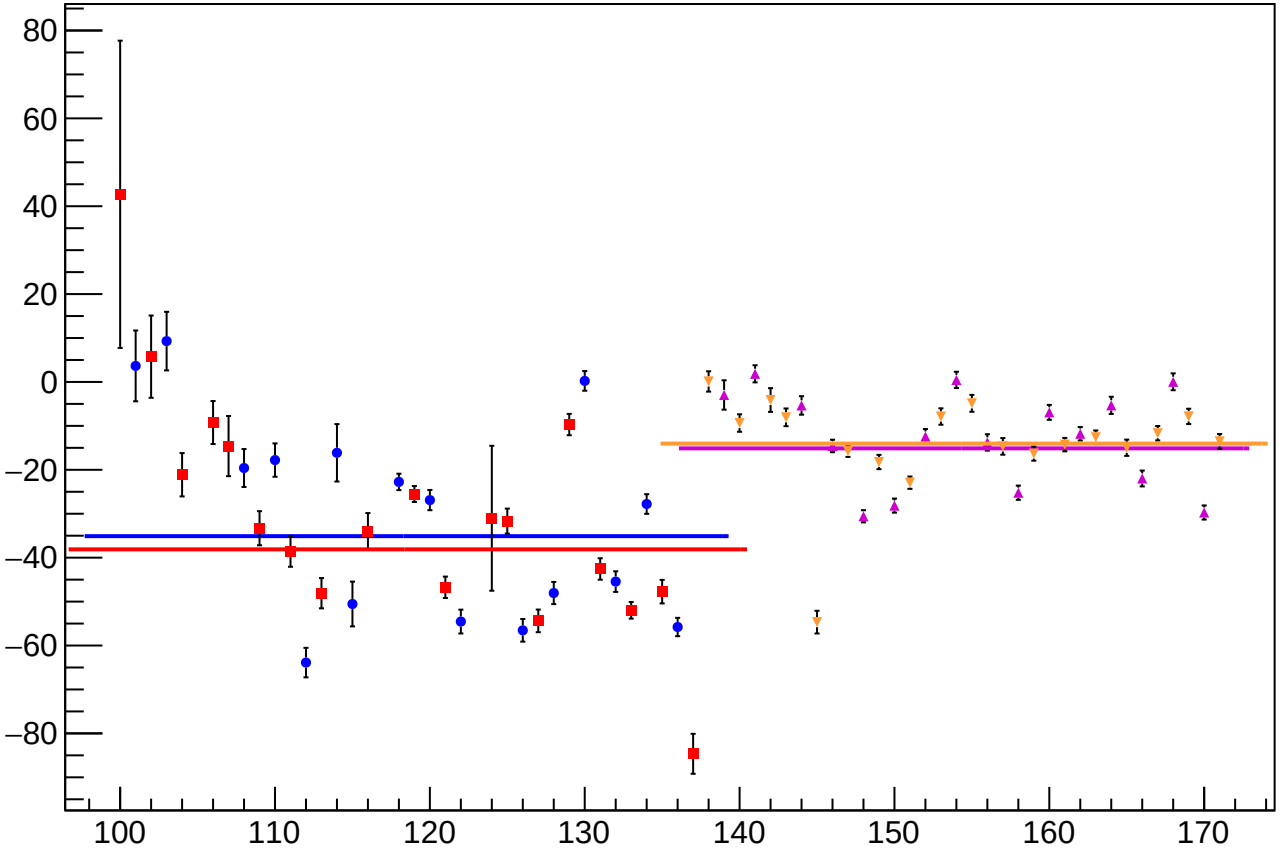
Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 39.194+/-0.418 χ^2/NDF:4529.1/31

Out: 37.735+/-0.411 χ^2/NDF:5808.4/36

All: 38.453+/-0.293 χ^2/NDF: 10343.6/68

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -15.121+/-0.435 χ^2/NDF:625.6/15

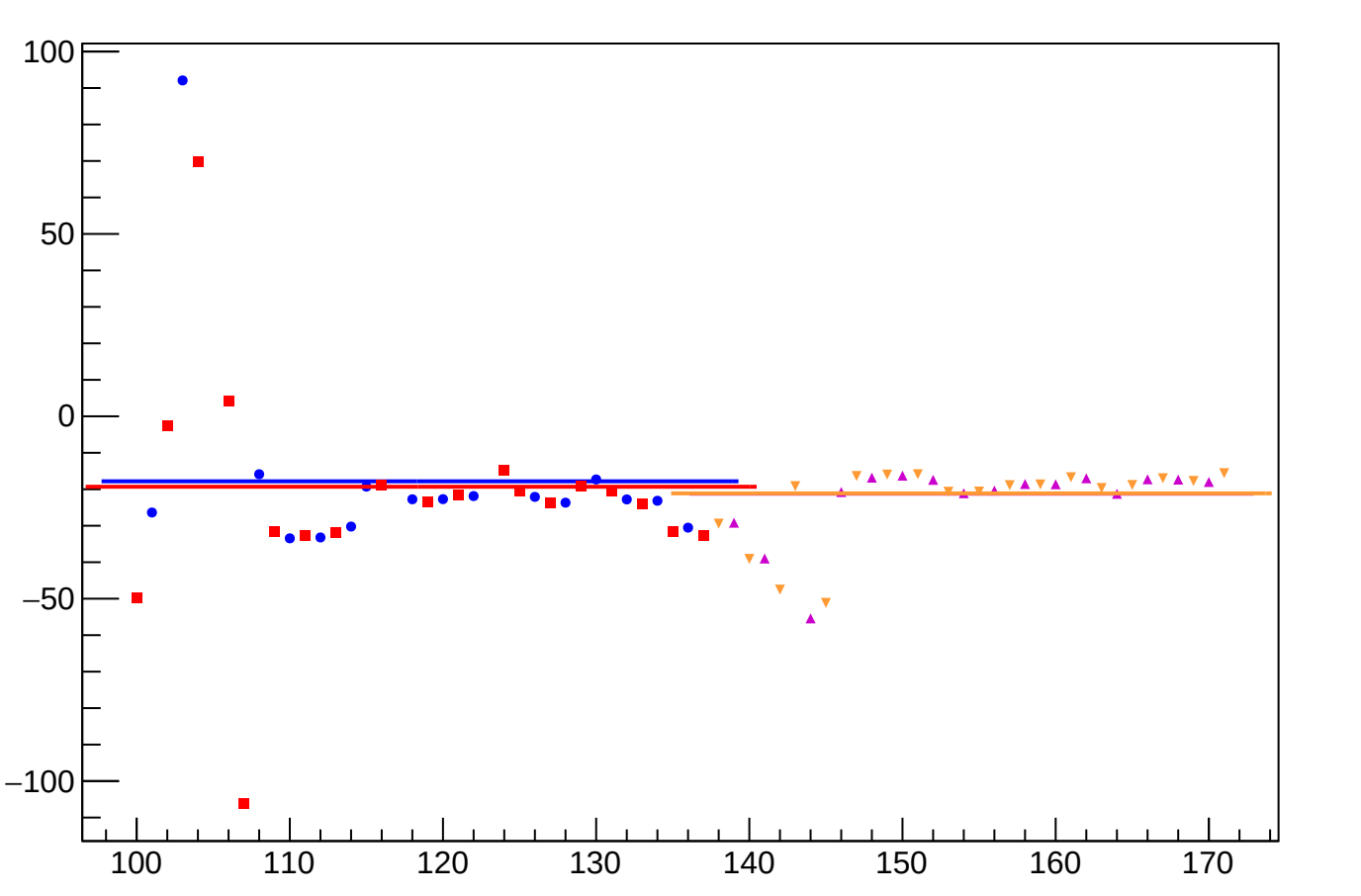
Left: -14.550+/-0.300 χ^2/NDF: 1041.8/33

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.690+/-0.370 χ^2/NDF:1986.4/31

Out: -20.094+/-0.358 χ^2/NDF:1778.7/36

All: -20.383+/-0.257 χ^2/NDF: 3766.5/68



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: -21.207+/-0.019 χ^2/NDF:164164.6/15

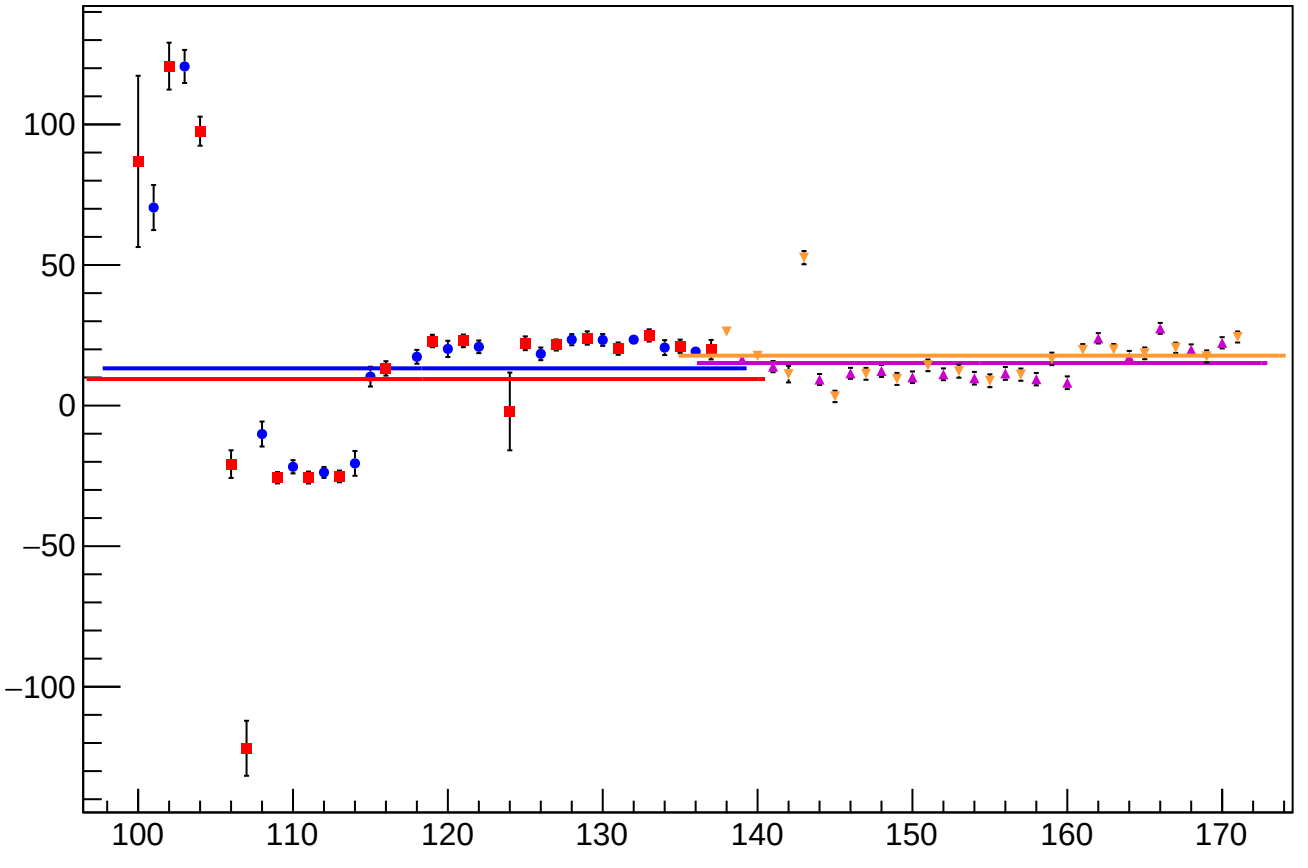
Left: -21.163+/-0.014 χ^2/NDF: 364242.5/33

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -20.639+/-0.018 χ^2/NDF:595388.5/31

Out: -20.862+/-0.017 χ^2/NDF:546017.0/36

All: -20.752+/-0.012 χ^2/NDF: 1141486.0/68



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: 15.139+/-0.507 χ^2/NDF:132.7/15

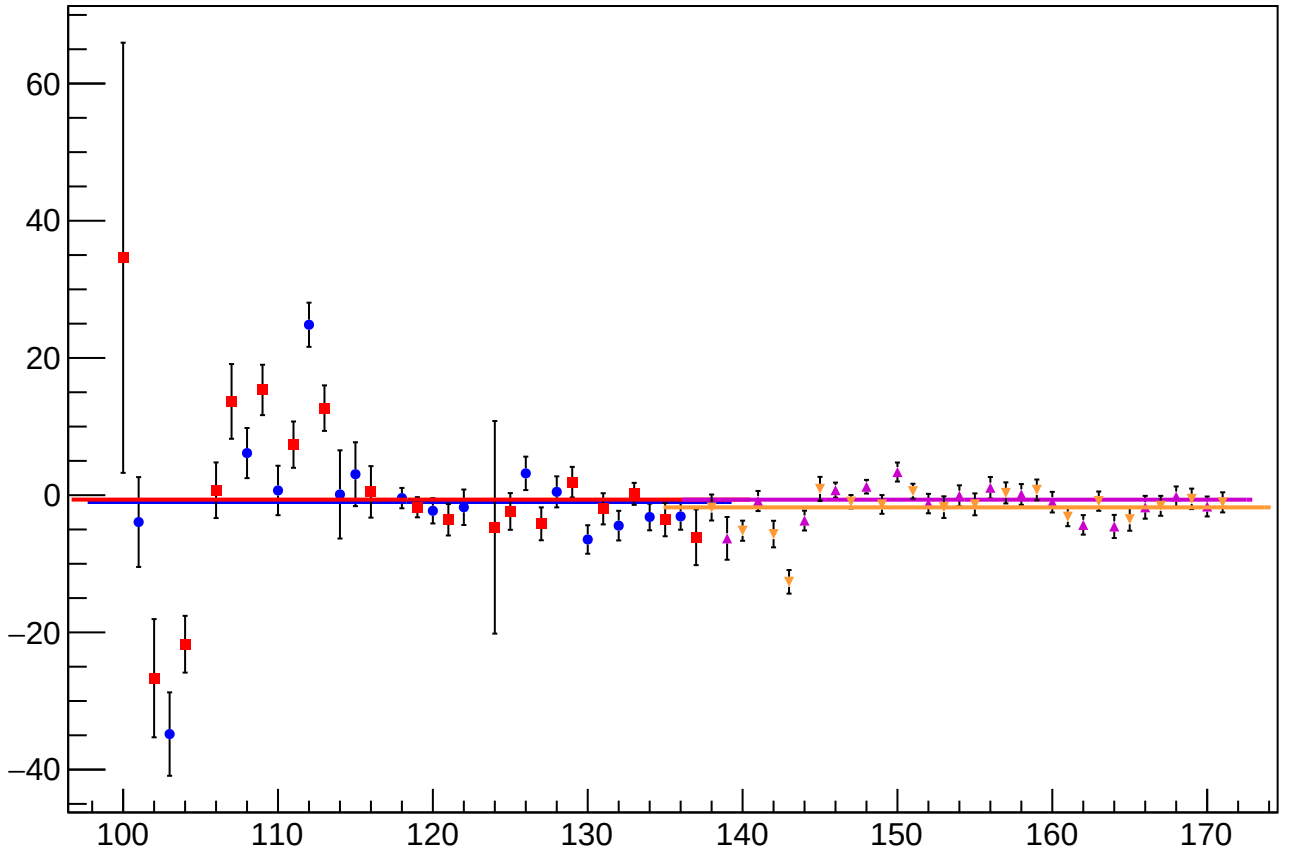
Left: 16.491+/-0.353 χ^2/NDF: 517.5/33

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 14.374+/-0.391 χ^2/NDF:1320.8/31

Out: 14.524+/-0.384 χ^2/NDF:2319.0/36

All: 14.450+/-0.274 χ^2/NDF: 3639.9/68



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: -0.656+/-0.359 χ^2/NDF:36.2/15

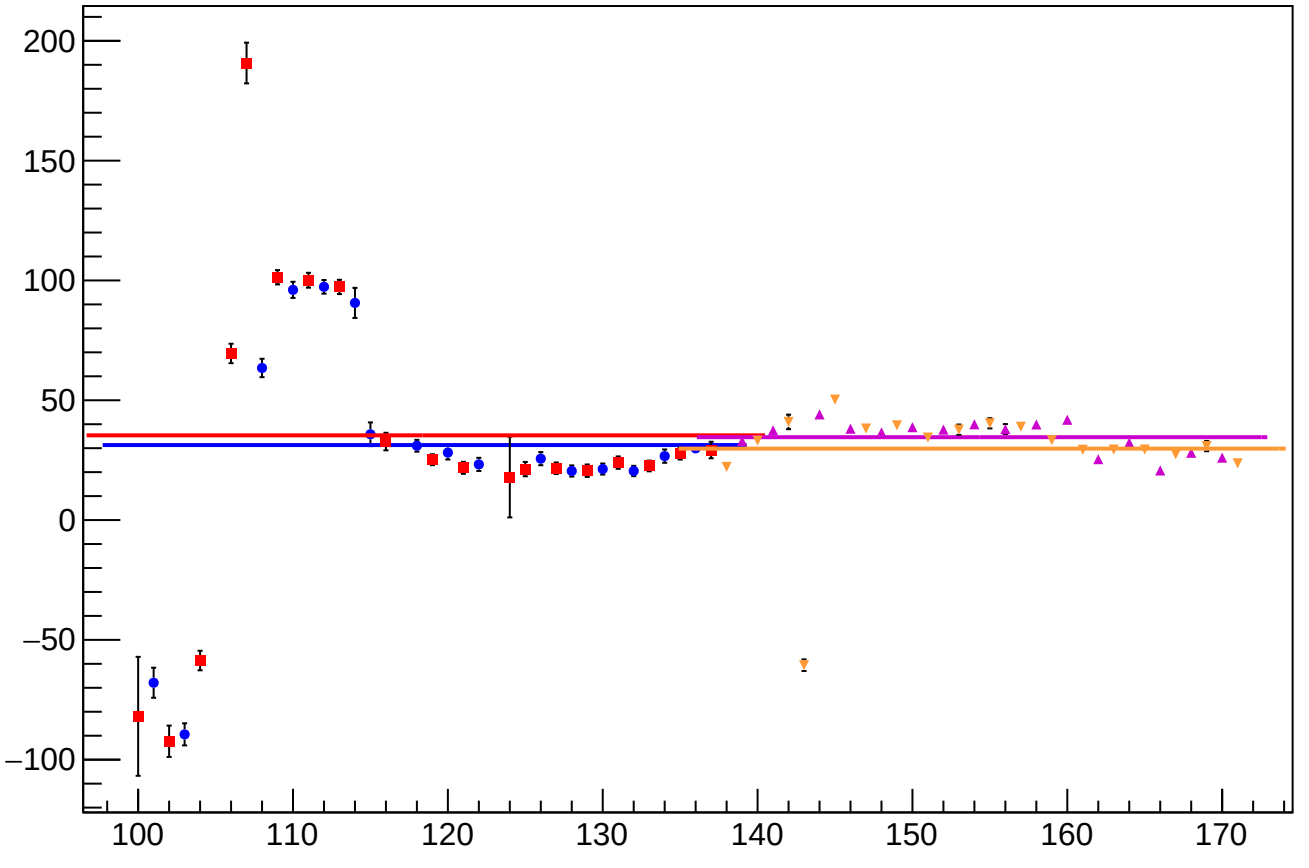
Left: -1.243+/-0.248 χ^2/NDF: 106.7/33

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.741+/-0.311 χ^2/NDF:152.8/31

Out: -1.522+/-0.301 χ^2/NDF:162.1/36

All: -1.143+/-0.216 χ^2/NDF: 318.1/68



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: 34.587+/-0.494 χ^2/NDF:171.8/15

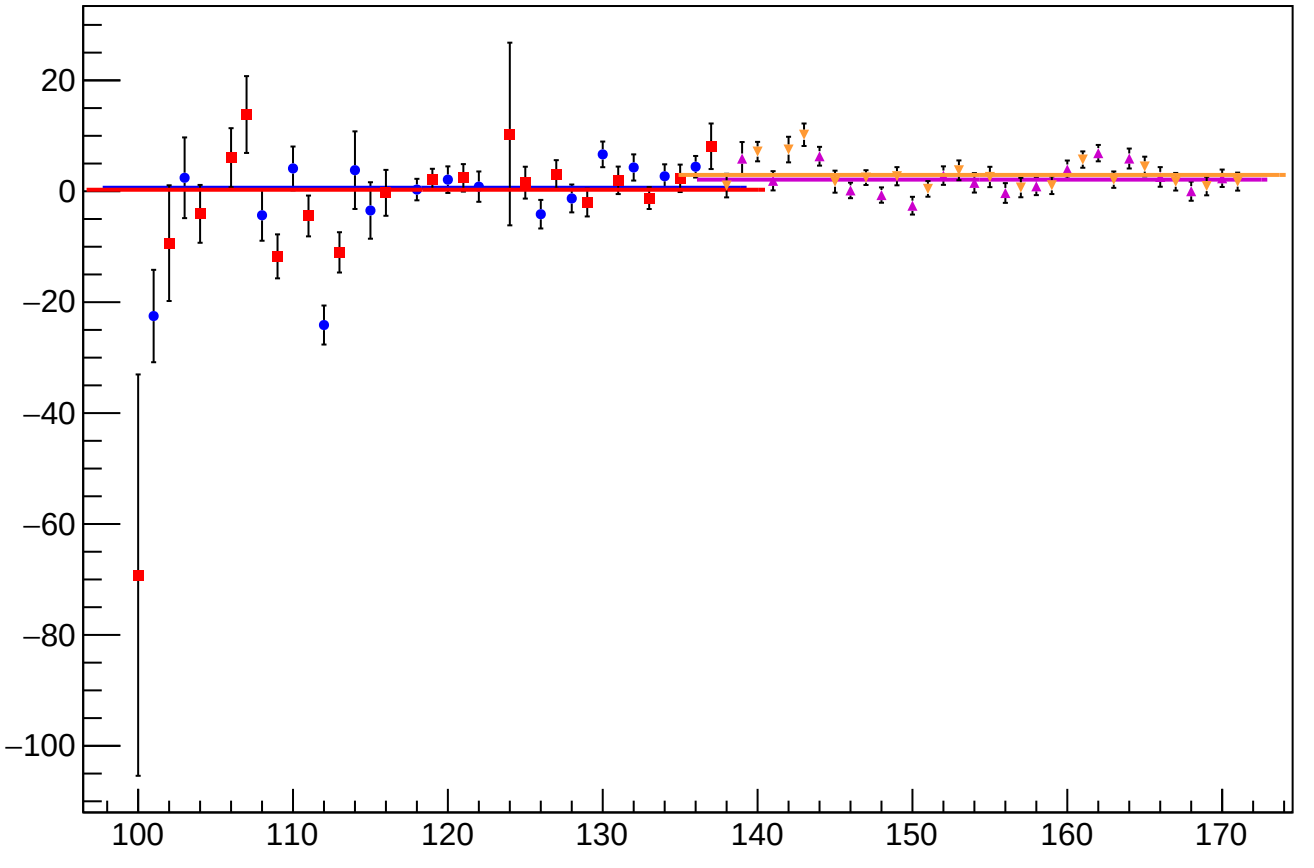
Left: 32.138+/-0.345 χ^2/NDF: 1858.1/33

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 33.498+/-0.404 χ^2/NDF:2272.3/31

Out: 31.538+/-0.399 χ^2/NDF:4577.5/36

All: 32.507+/-0.284 χ^2/NDF: 6861.7/68



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: 2.100+/-0.415 χ^2/NDF:42.9/15

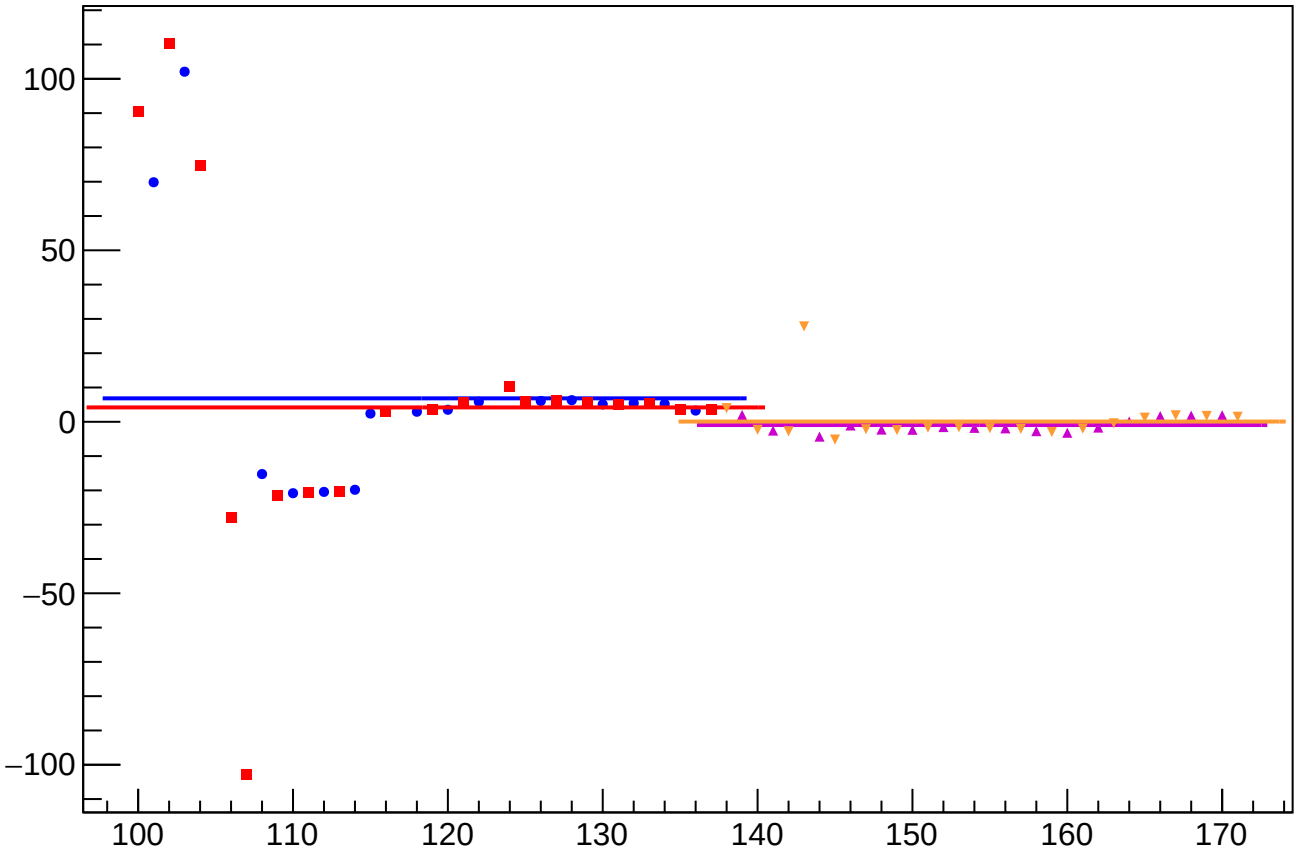
Left: 2.543+/-0.286 χ^2/NDF: 82.6/33

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.723+/-0.357 χ^2/NDF:124.6/31

Out: 2.335+/-0.348 χ^2/NDF:88.4/36

All: 2.037+/-0.249 χ^2/NDF: 214.5/68



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: -0.943+/-0.018 χ^2/NDF:11262.5/15

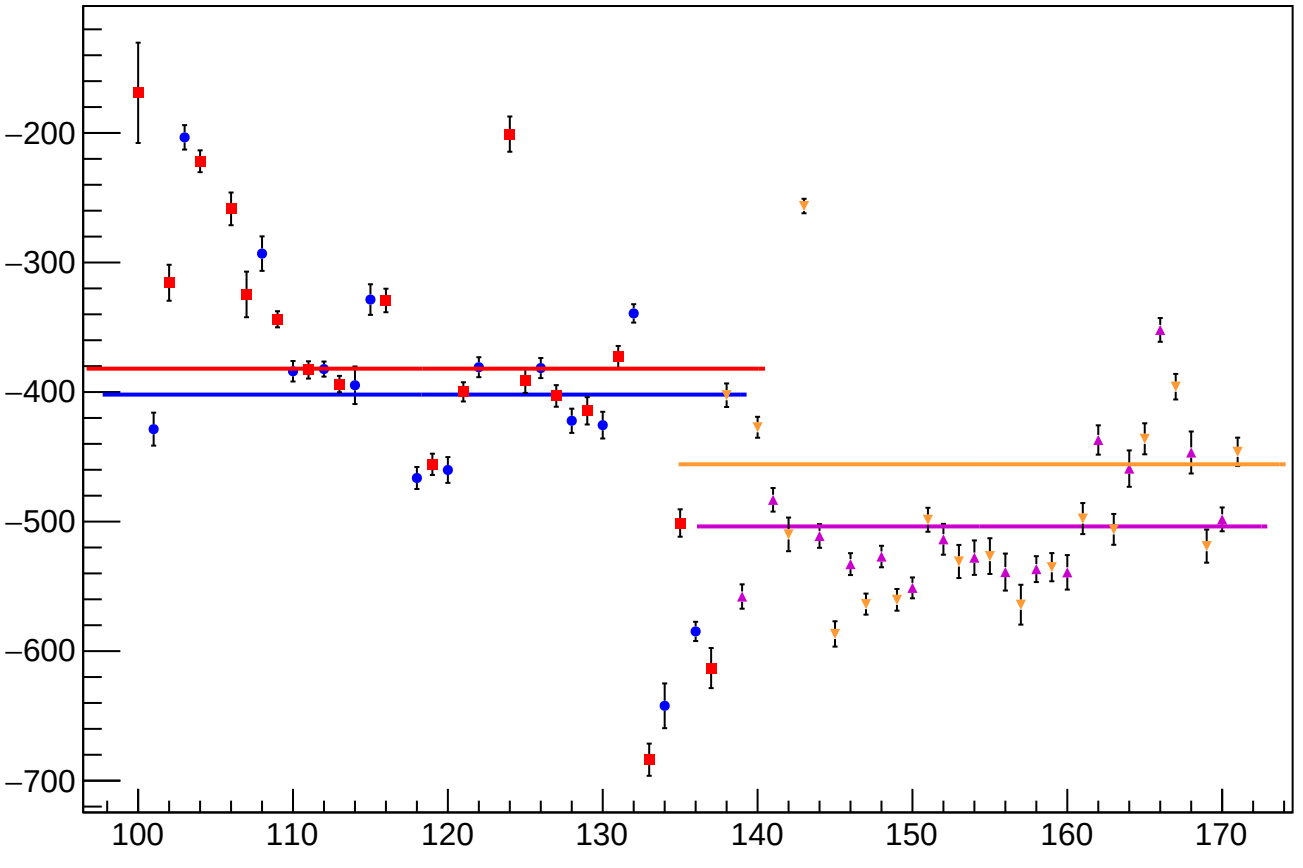
Left: -0.422+/-0.013 χ^2/NDF: 106084.8/33

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.264+/-0.017 χ^2/NDF:360081.7/31

Out: 0.608+/-0.017 χ^2/NDF:534680.2/36

All: 0.438+/-0.012 χ^2/NDF: 894972.0/68



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: -503.739+/-2.556 χ^2/NDF:453.0/15

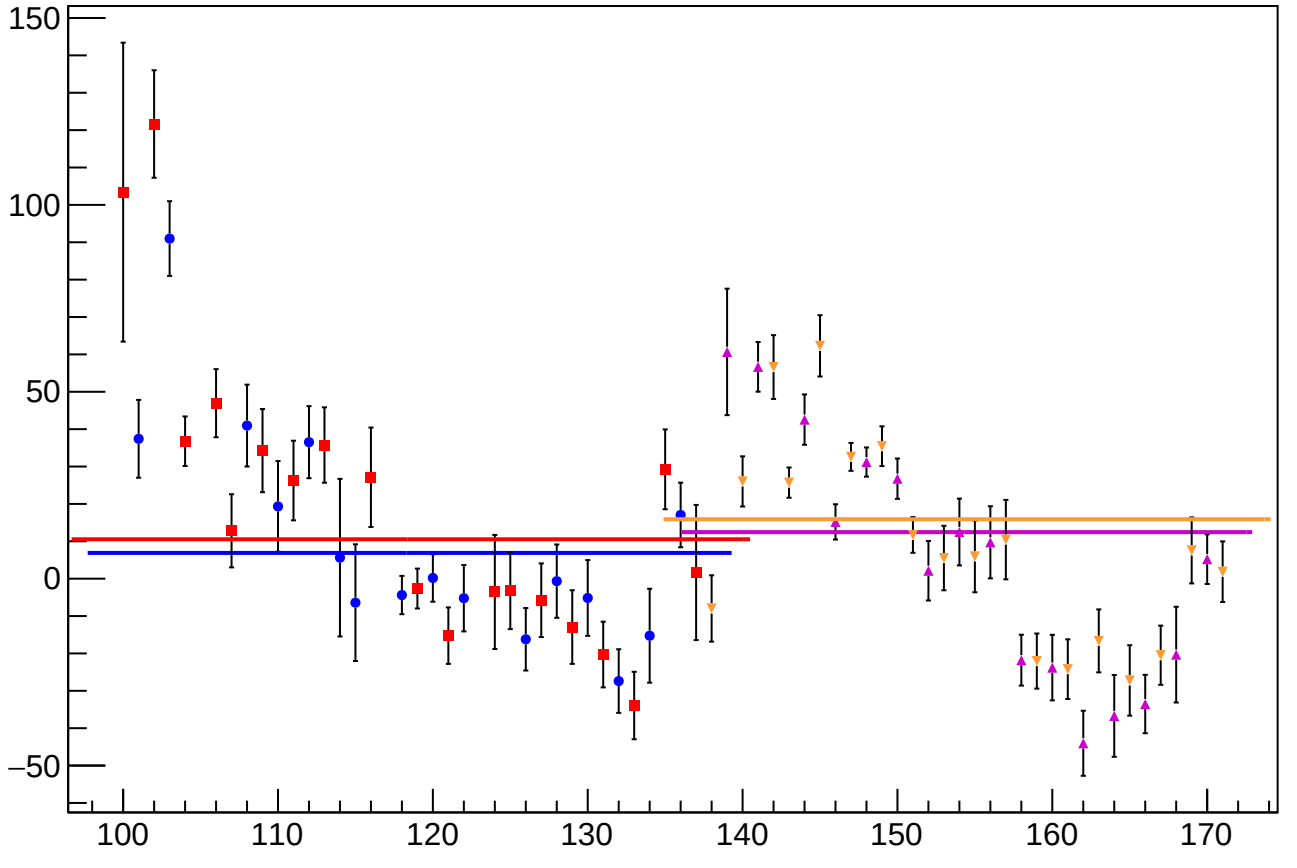
Left: -477.380+/-1.716 χ^2/NDF: 2775.5/33

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -446.081+/-1.683 χ^2/NDF:2914.4/31

Out: -415.695+/-1.565 χ^2/NDF:4498.3/36

All: -429.787+/-1.146 χ^2/NDF: 7587.5/68



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: 12.454+/-1.732 χ^2/NDF:251.9/15

Left: 14.364+/-1.158 χ^2/NDF: 473.8/33

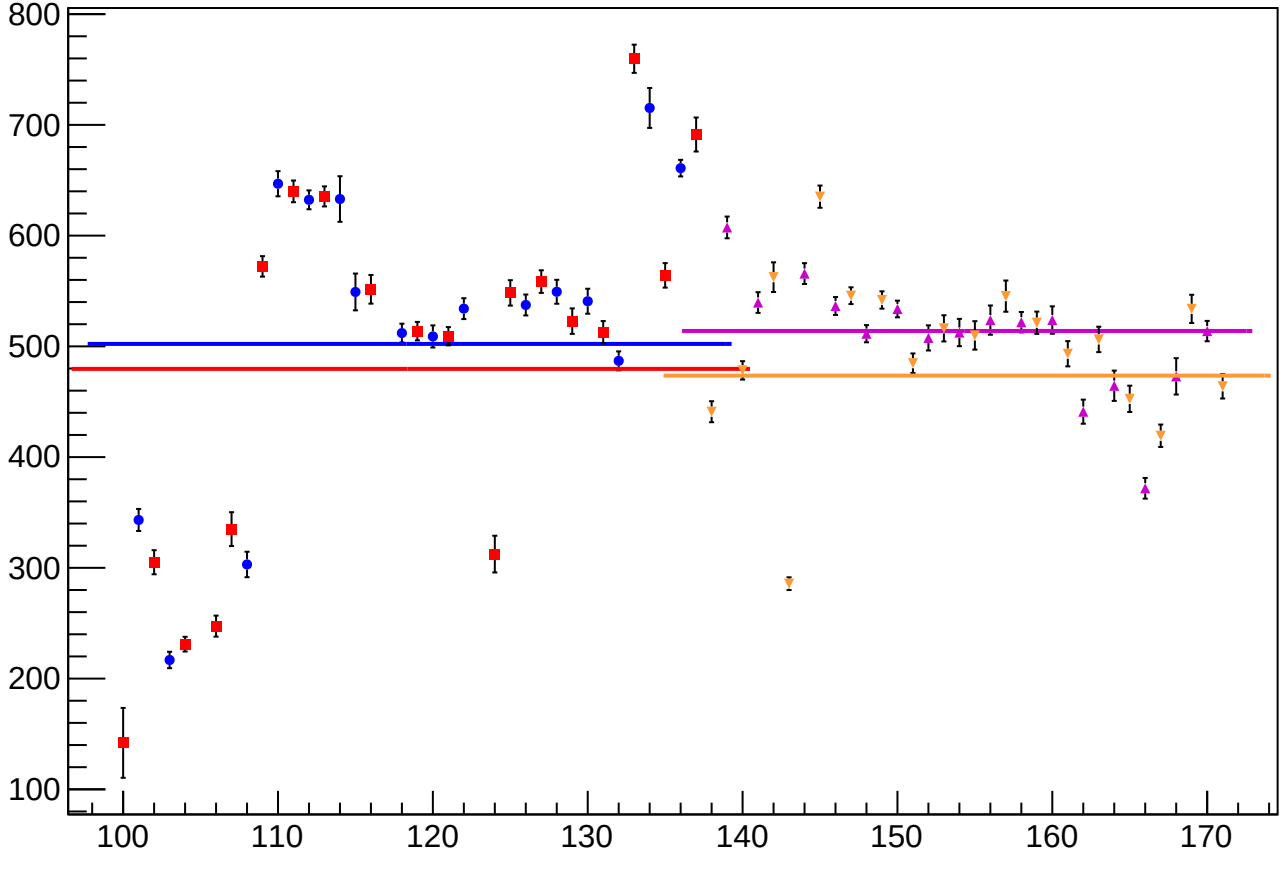
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 10.400+/-1.375 χ^2/NDF:394.1/31

Out: 14.115+/-1.271 χ^2/NDF:403.8/36

All: 12.404+/-0.933 χ^2/NDF: 801.8/68

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: 513.913+/-2.485 χ^2/NDF:441.3/15

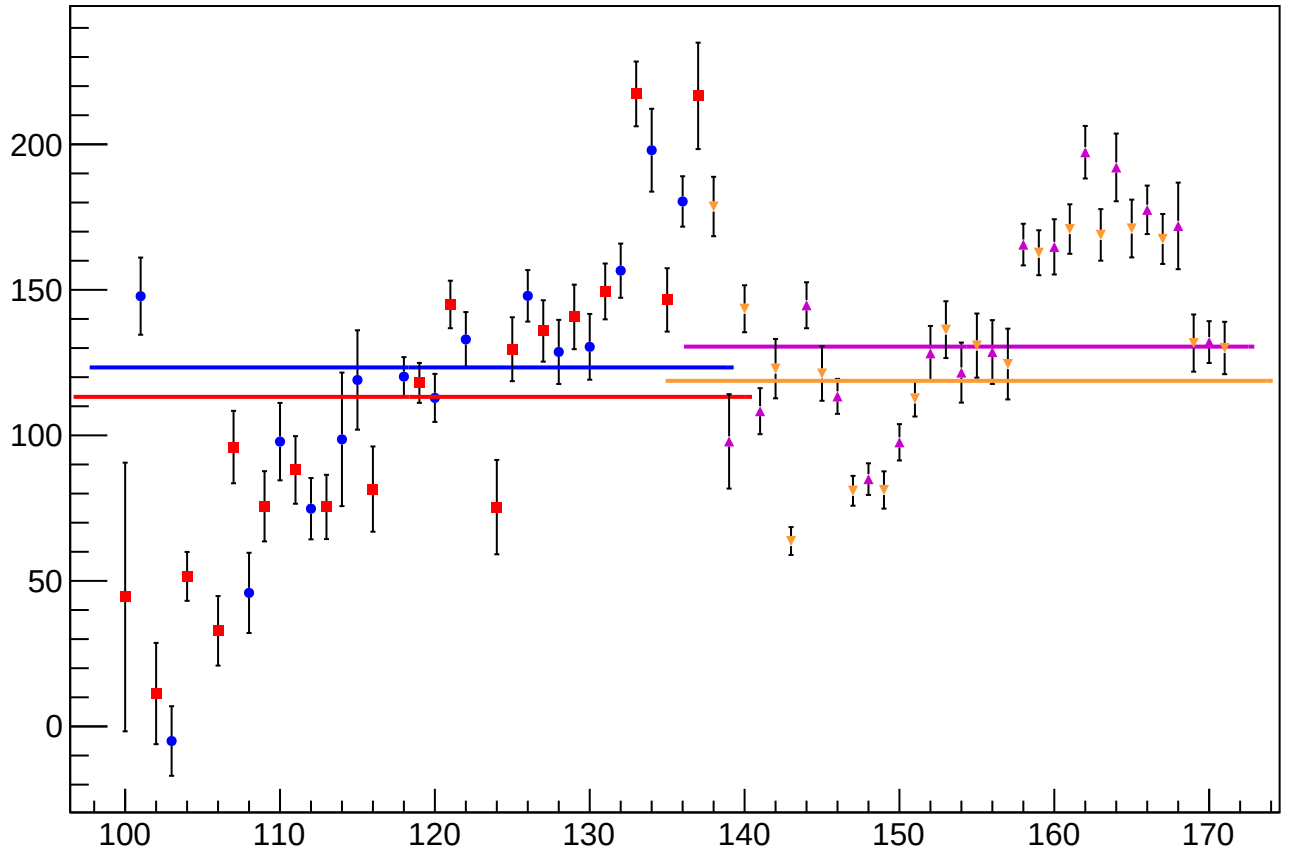
Left: 492.007+/-1.679 χ^2/NDF: 2274.3/33

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 508.082+/-1.760 χ^2/NDF:3587.6/31

Out: 476.480+/-1.652 χ^2/NDF:5831.8/36

All: 491.283+/-1.204 χ^2/NDF: 9590.8/68



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: 130.496+/-2.038 χ^2/NDF:281.4/15

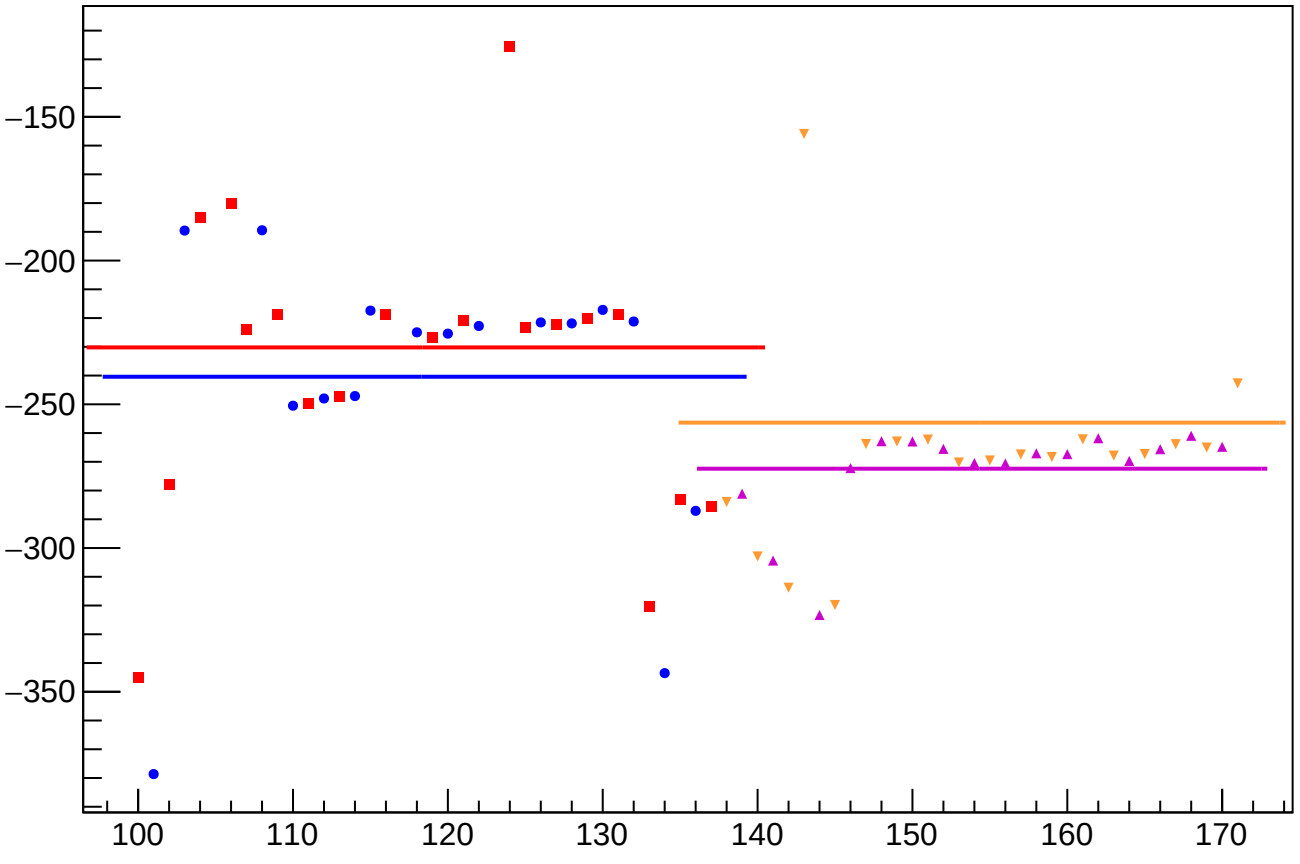
Left: 124.040+/-1.368 χ^2/NDF: 735.7/33

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 127.808+/-1.610 χ^2/NDF:557.4/31

Out: 116.844+/-1.494 χ^2/NDF:784.8/36

All: 121.917+/-1.095 χ^2/NDF: 1367.2/68



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: -272.400+/-0.095 χ^2/NDF:26842.3/15

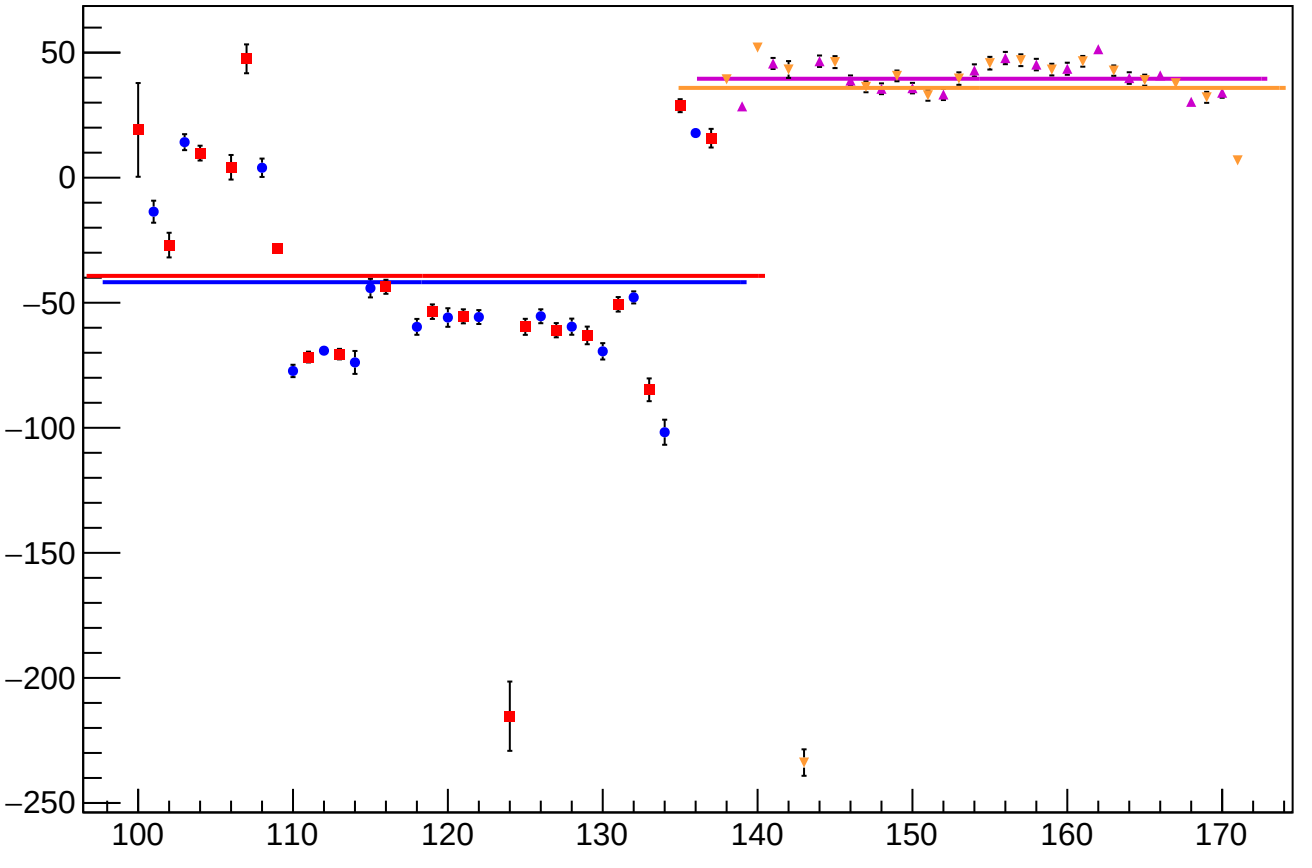
Left: -263.828+/-0.065 χ^2/NDF: 284429.9/33

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -263.351+/-0.080 χ^2/NDF:193342.1/31

Out: -249.400+/-0.076 χ^2/NDF:349055.4/36

All: -255.972+/-0.055 χ^2/NDF: 558439.6/68



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: 39.553+/-0.538 χ^2/NDF:154.0/15

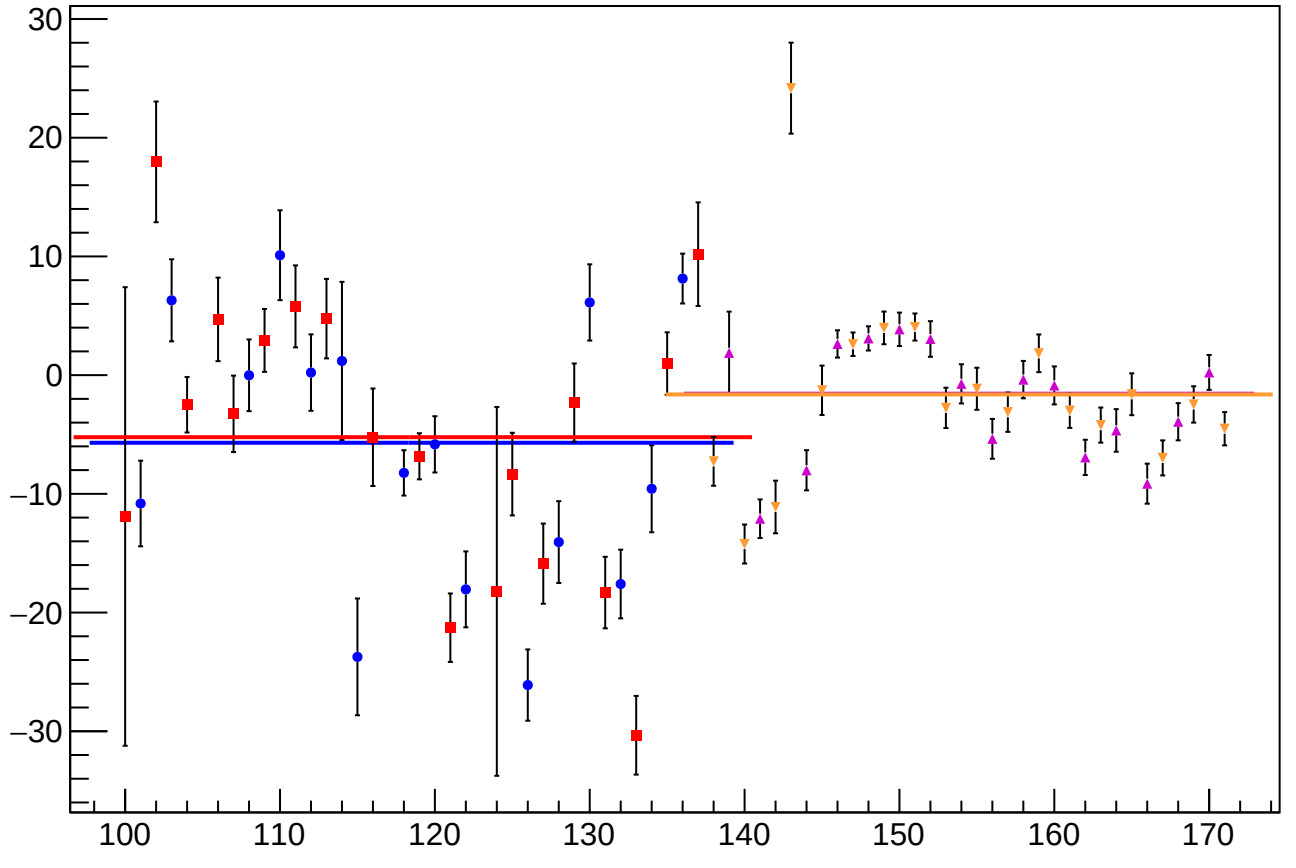
Left: 37.690+/-0.377 χ^2/NDF: 3206.1/33

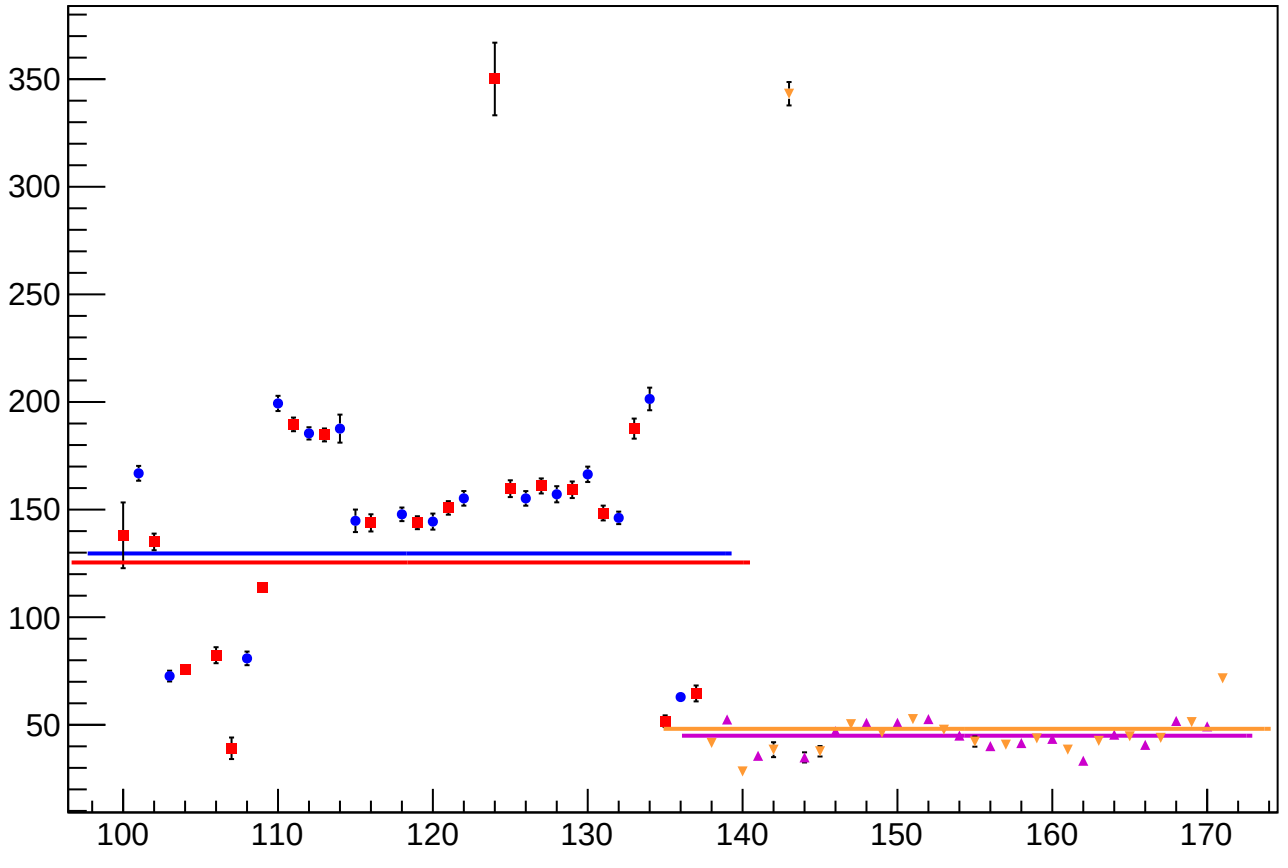
Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 10.552+/-0.432 χ^2/NDF:10701.1/31

Out: 7.579+/-0.417 χ^2/NDF:13128.6/36

All: 9.015+/-0.300 χ^2/NDF: 23854.3/68


reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: -5.697+/-0.753 χ²/NDF: 196.7/15
Left Out: -1.627+/-0.365 χ²/NDF:217.3/17
Right Out: -5.227+/-0.740 χ²/NDF: 197.3/18
Left In: -1.565+/-0.379 χ²/NDF:162.0/15
Left: -1.597+/-0.263 χ²/NDF: 379.3/33
Right: -5.458+/-0.528 χ²/NDF: 394.3/34
In: -2.398+/-0.338 χ²/NDF:382.8/31
Out: -2.332+/-0.327 χ²/NDF:433.7/36
All: -2.364+/-0.235 χ²/NDF: 816.5/68



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: 44.939+/-0.524 χ^2/NDF:149.6/15

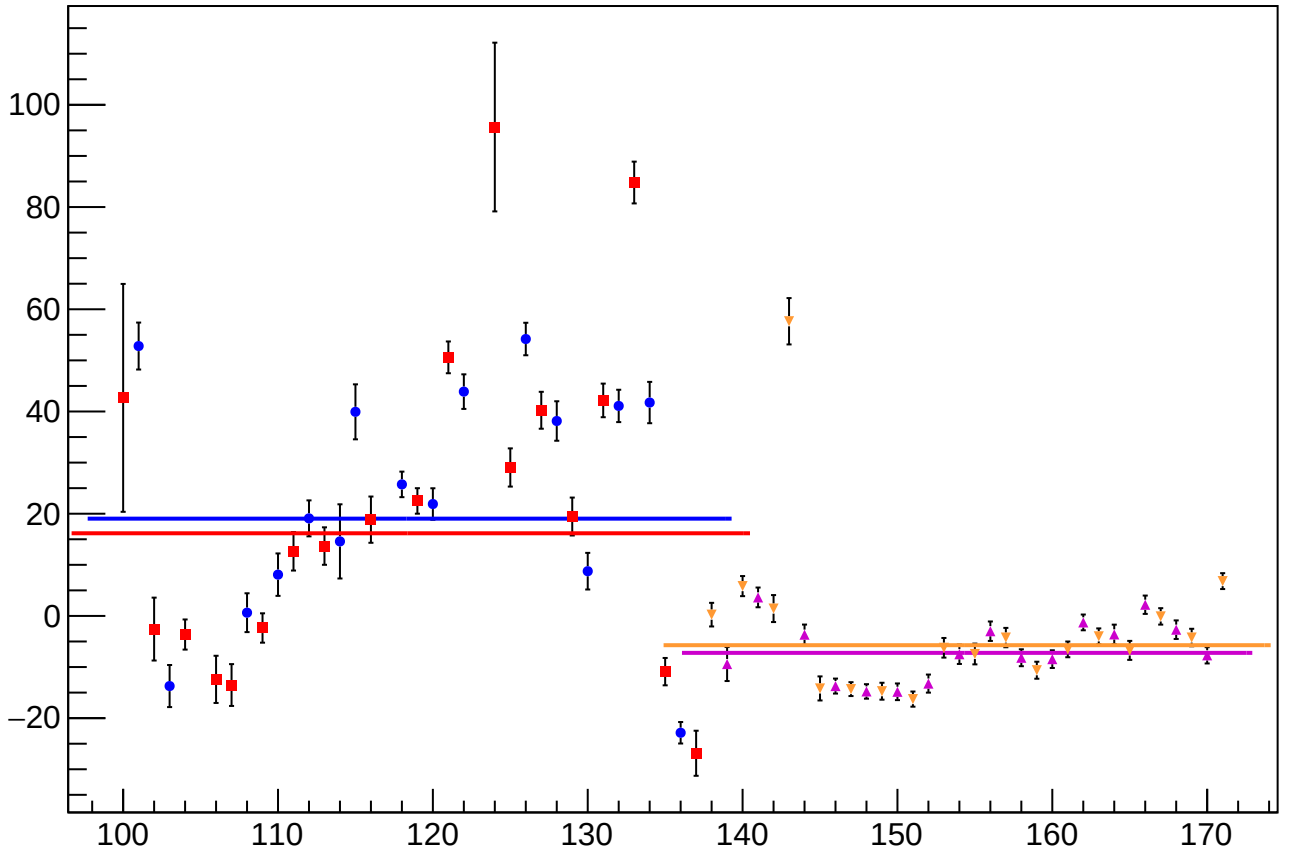
Left: 46.566+/-0.368 χ^2/NDF: 3466.6/33

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 70.315+/-0.438 χ^2/NDF:11608.8/31

Out: 71.256+/-0.432 χ^2/NDF:13514.2/36

All: 70.793+/-0.308 χ^2/NDF: 25125.3/68



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: -7.226+/-0.437 χ^2/NDF:174.9/15

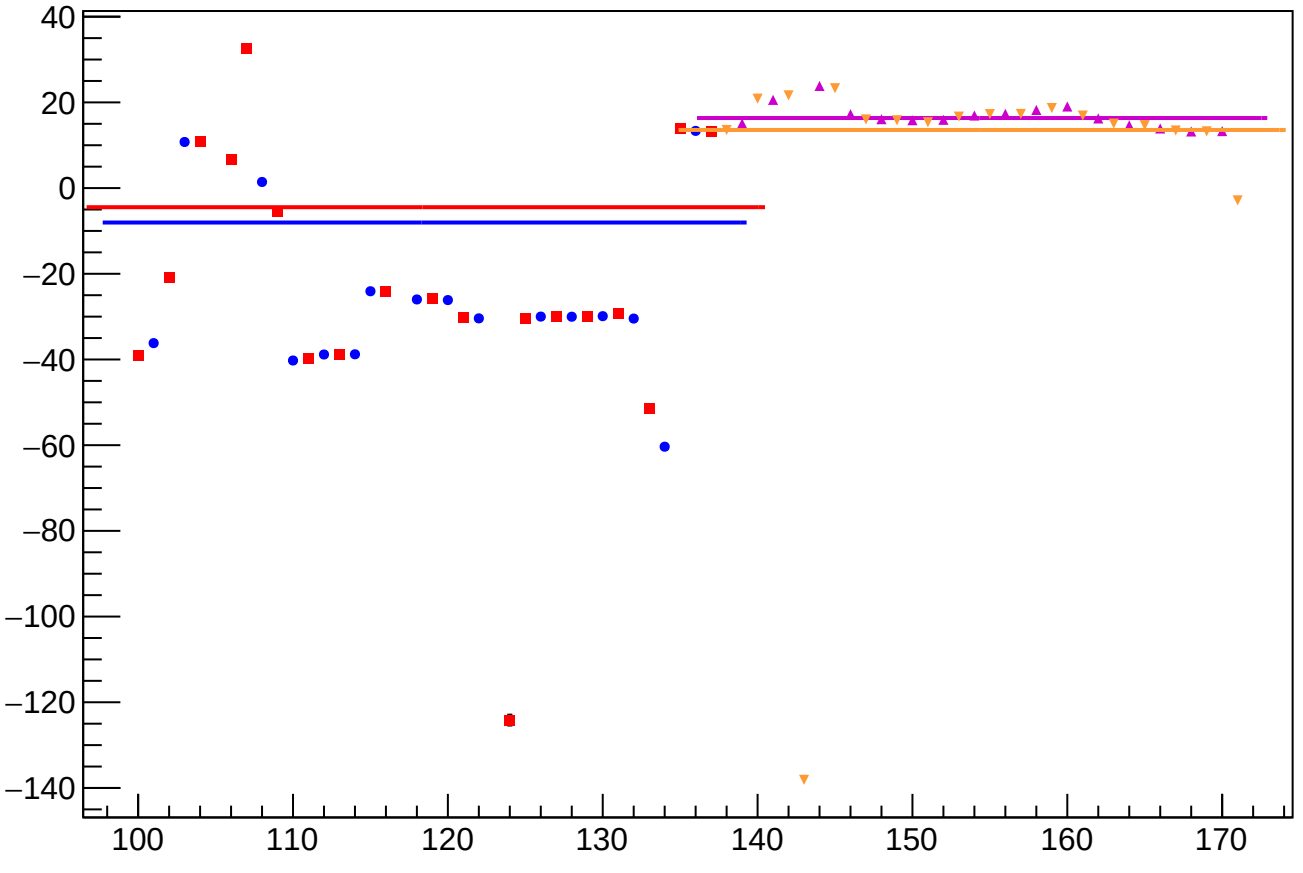
Left: -6.450+/-0.304 χ^2/NDF: 648.3/33

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -1.830+/-0.390 χ^2/NDF:1774.0/31

Out: -1.354+/-0.378 χ^2/NDF:1944.9/36

All: -1.585+/-0.271 χ^2/NDF: 3719.6/68



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: 16.350+/-0.019 χ^2/NDF:14998.1/15

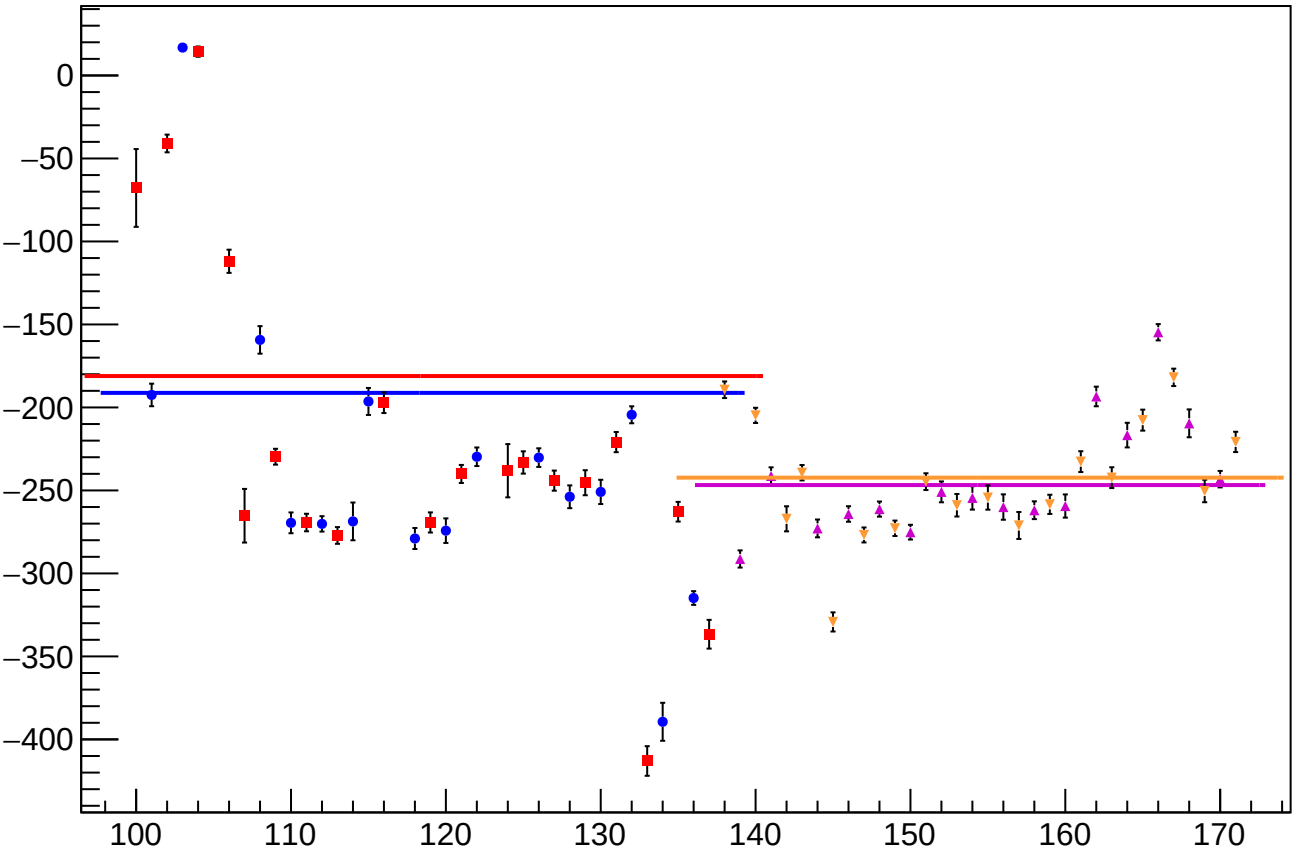
Left: 14.933+/-0.014 χ^2/NDF: 577416.3/33

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 12.628+/-0.018 χ^2/NDF:522862.7/31

Out: 10.990+/-0.018 χ^2/NDF:907574.5/36

All: 11.799+/-0.013 χ^2/NDF: 1434672.5/68



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: -246.776+/-1.394 χ^2/NDF:648.8/15

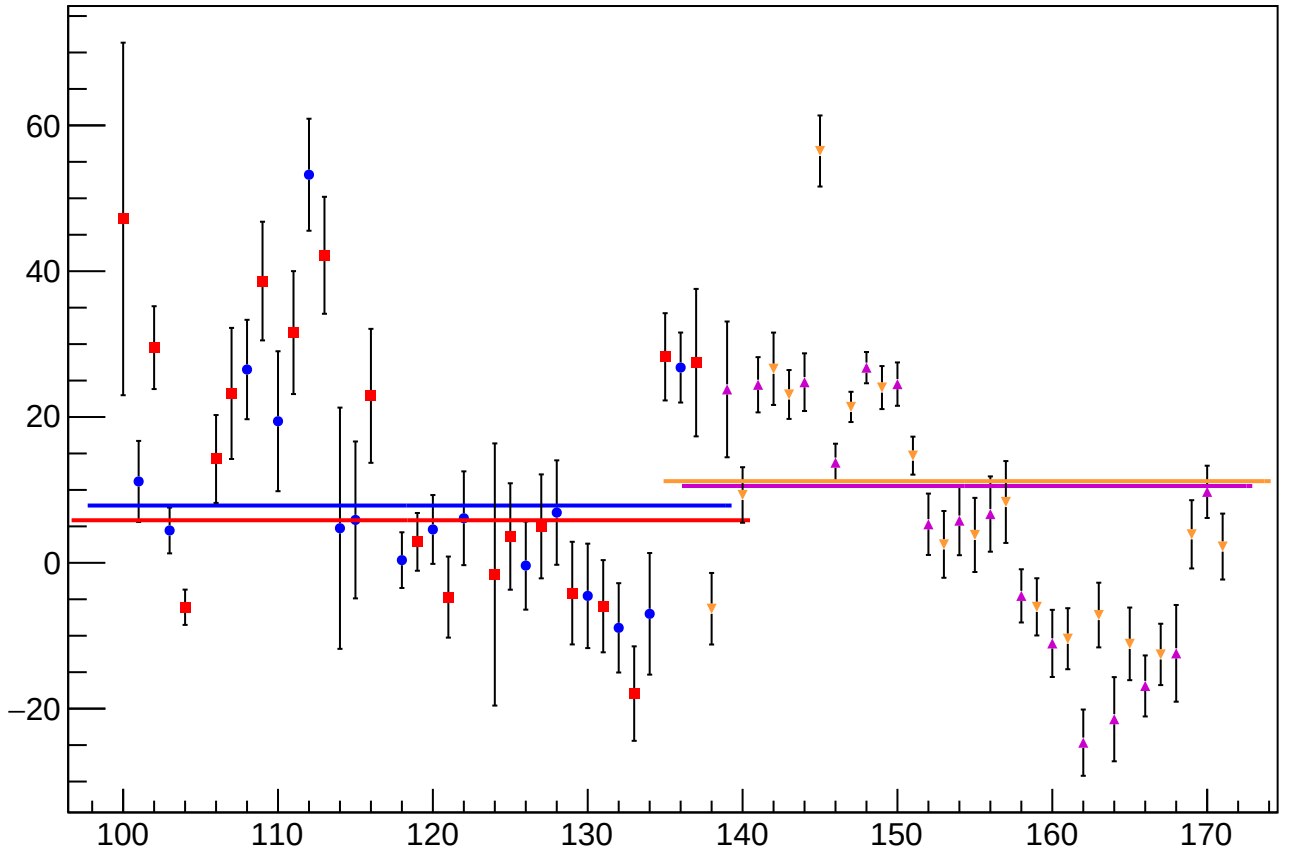
Left: -244.440+/-0.963 χ^2/NDF: 1381.7/33

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -219.489+/-0.994 χ^2/NDF:8653.8/31

Out: -212.812+/-0.960 χ^2/NDF:9117.9/36

All: -216.032+/-0.690 χ^2/NDF: 17795.0/68



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: 10.538+/-0.945 χ^2/NDF:297.2/15

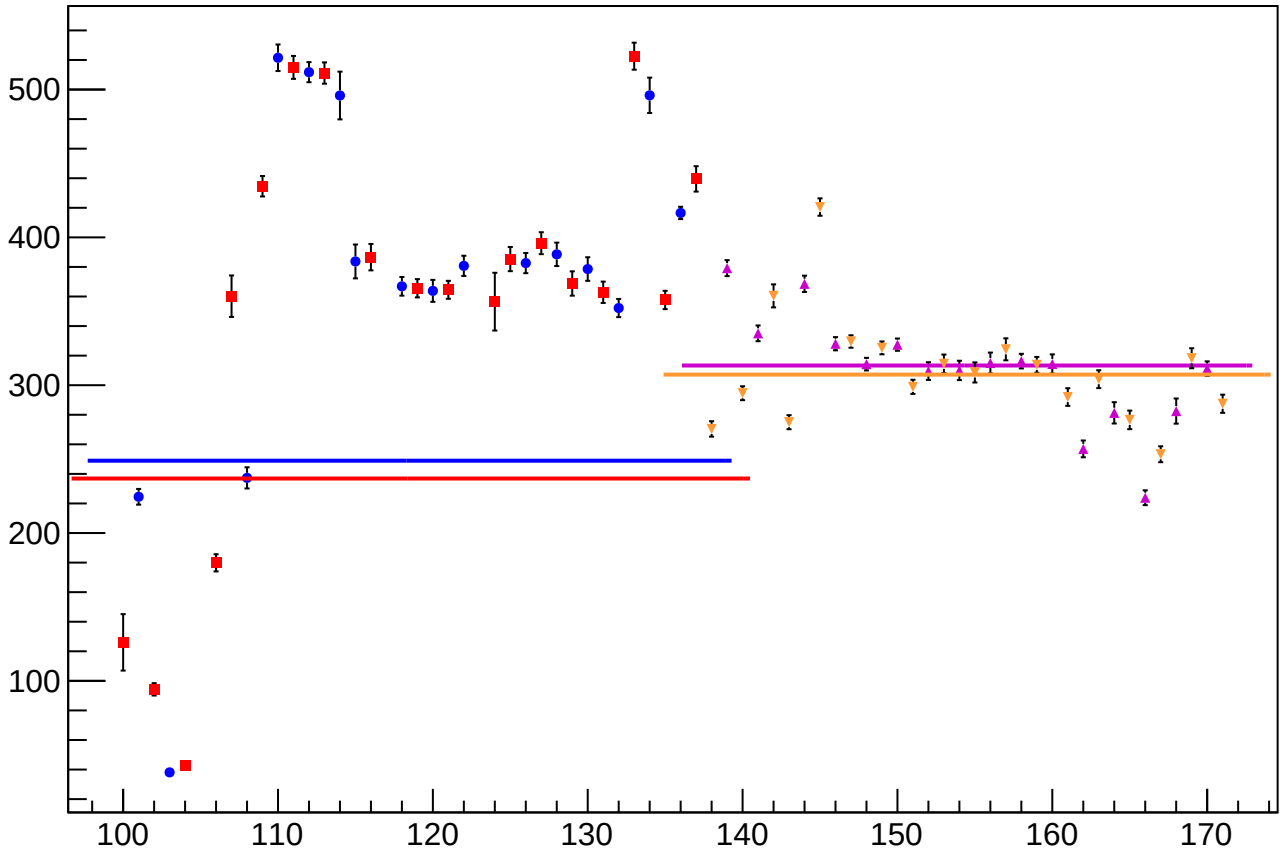
Left: 10.890+/-0.648 χ^2/NDF: 591.2/33

Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 9.731+/-0.789 χ^2/NDF:380.5/31

Out: 9.584+/-0.745 χ^2/NDF:446.5/36

All: 9.653+/-0.542 χ^2/NDF: 827.0/68



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: 313.322+/-1.353 χ^2/NDF:739.4/15

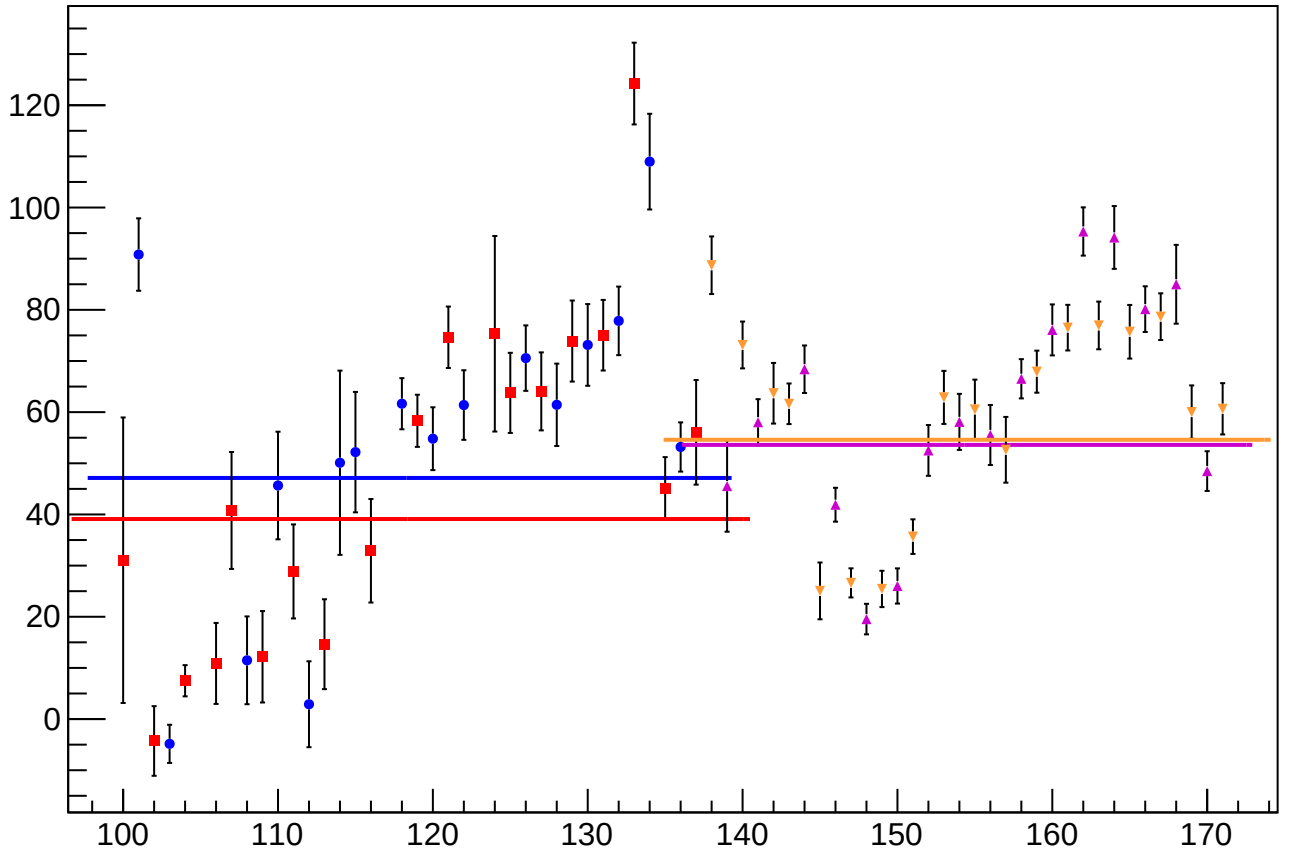
Left: 310.130+/-0.939 χ^2/NDF: 1470.8/33

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 282.715+/-0.980 χ^2/NDF:17117.8/31

Out: 274.681+/-0.956 χ^2/NDF:17721.2/36

All: 278.599+/-0.684 χ^2/NDF: 34873.4/68



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: 53.601+/-1.110 χ^2/NDF:426.9/15

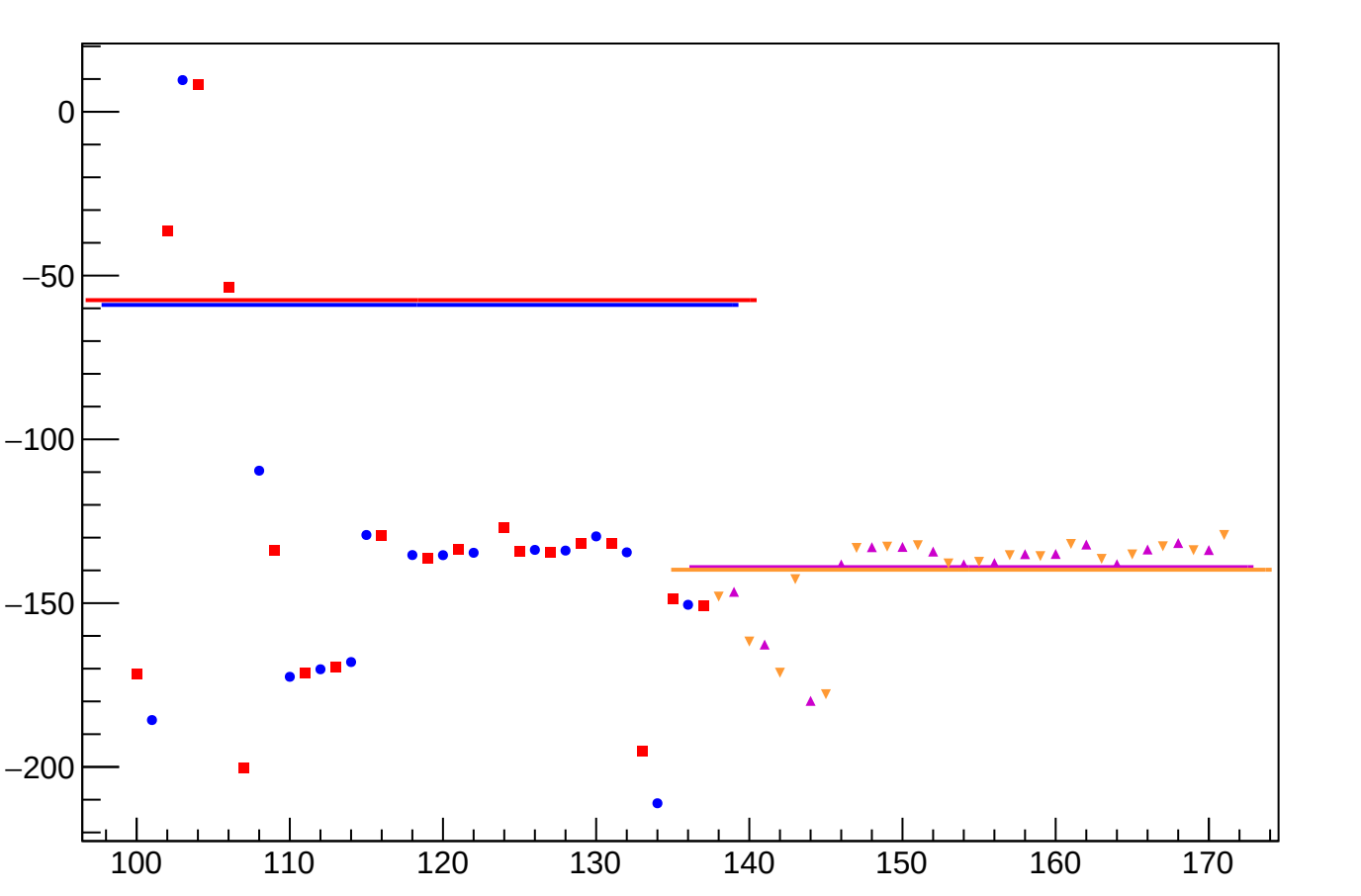
Left: 54.127+/-0.764 χ^2/NDF: 817.4/33

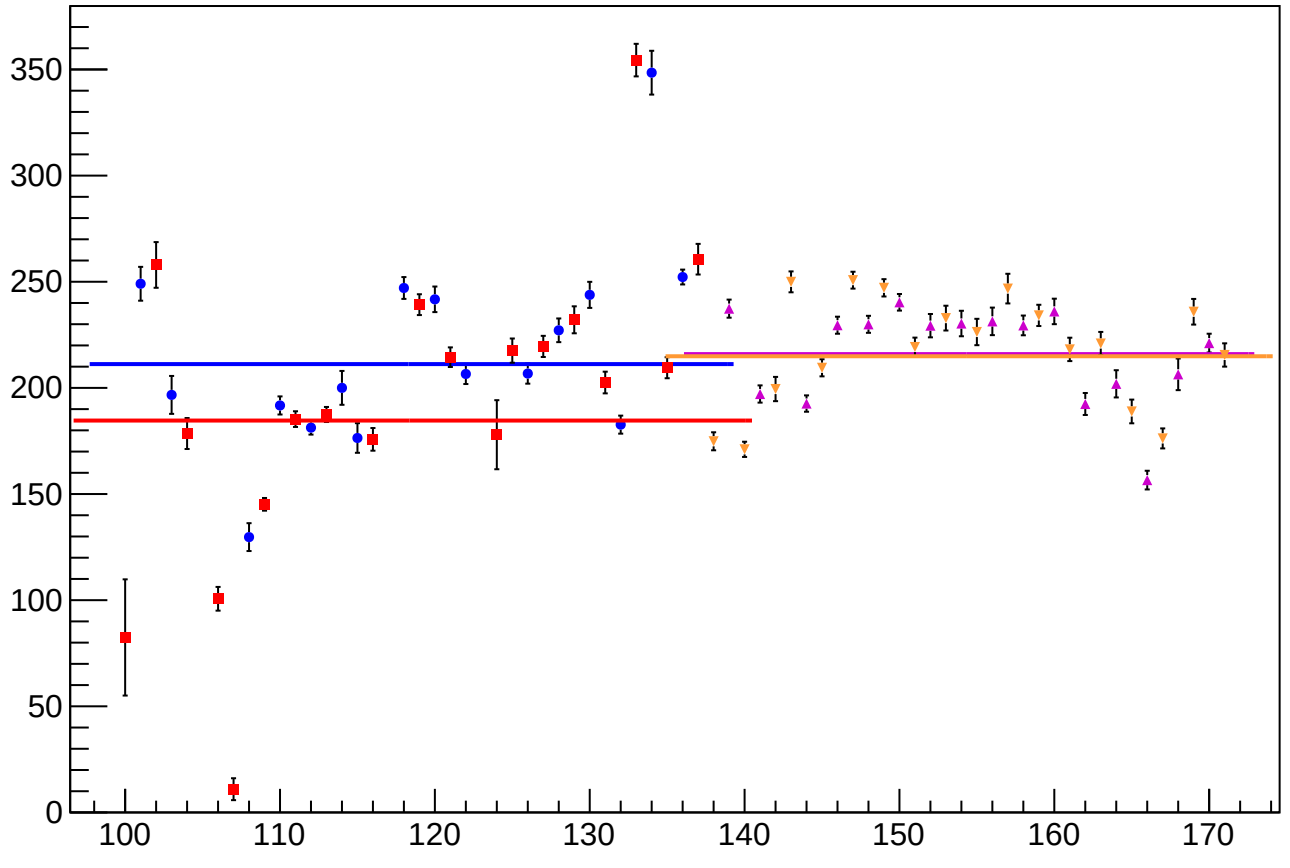
Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 51.617+/-0.924 χ^2/NDF:822.6/31

Out: 49.898+/-0.879 χ^2/NDF:872.2/36

All: 50.715+/-0.637 χ^2/NDF: 1696.7/68


reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -58.956+/-0.073 χ²/NDF: 1227079.0/15
Left Out: -139.800+/-0.050 χ²/NDF:60800.5/17
Right Out: -57.497+/-0.074 χ²/NDF: 871305.9/18
Left In: -139.008+/-0.051 χ²/NDF:47745.9/15
Left: -139.414+/-0.036 χ²/NDF: 108668.6/33
Right: -58.243+/-0.052 χ²/NDF: 2098582.3/34
In: -112.344+/-0.042 χ²/NDF:2085531.5/31
Out: -114.144+/-0.041 χ²/NDF:1777518.8/36
All: -113.254+/-0.029 χ²/NDF: 3863982.5/68



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: 215.914+/-1.183 χ^2/NDF:393.0/15

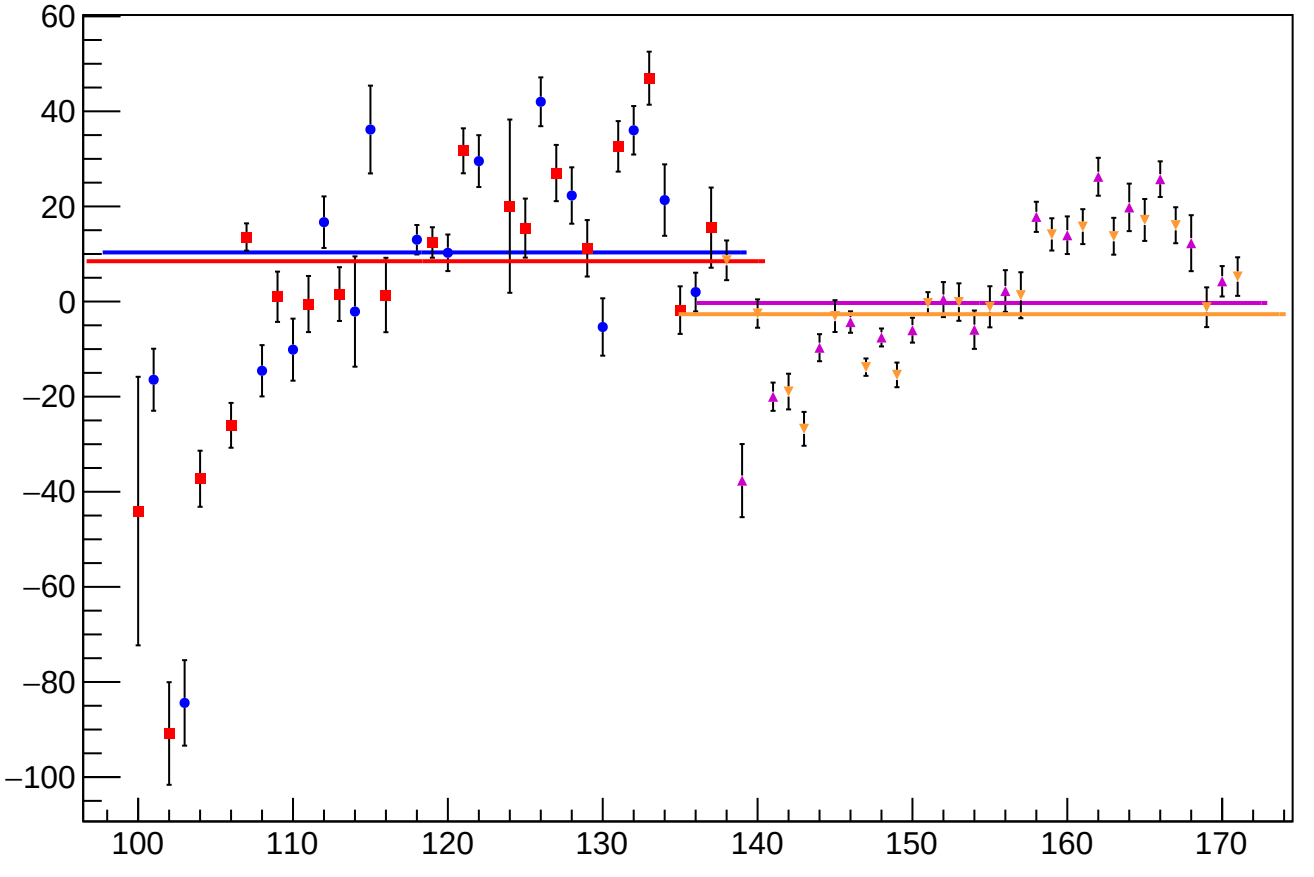
Left: 215.392+/-0.823 χ^2/NDF: 987.9/33

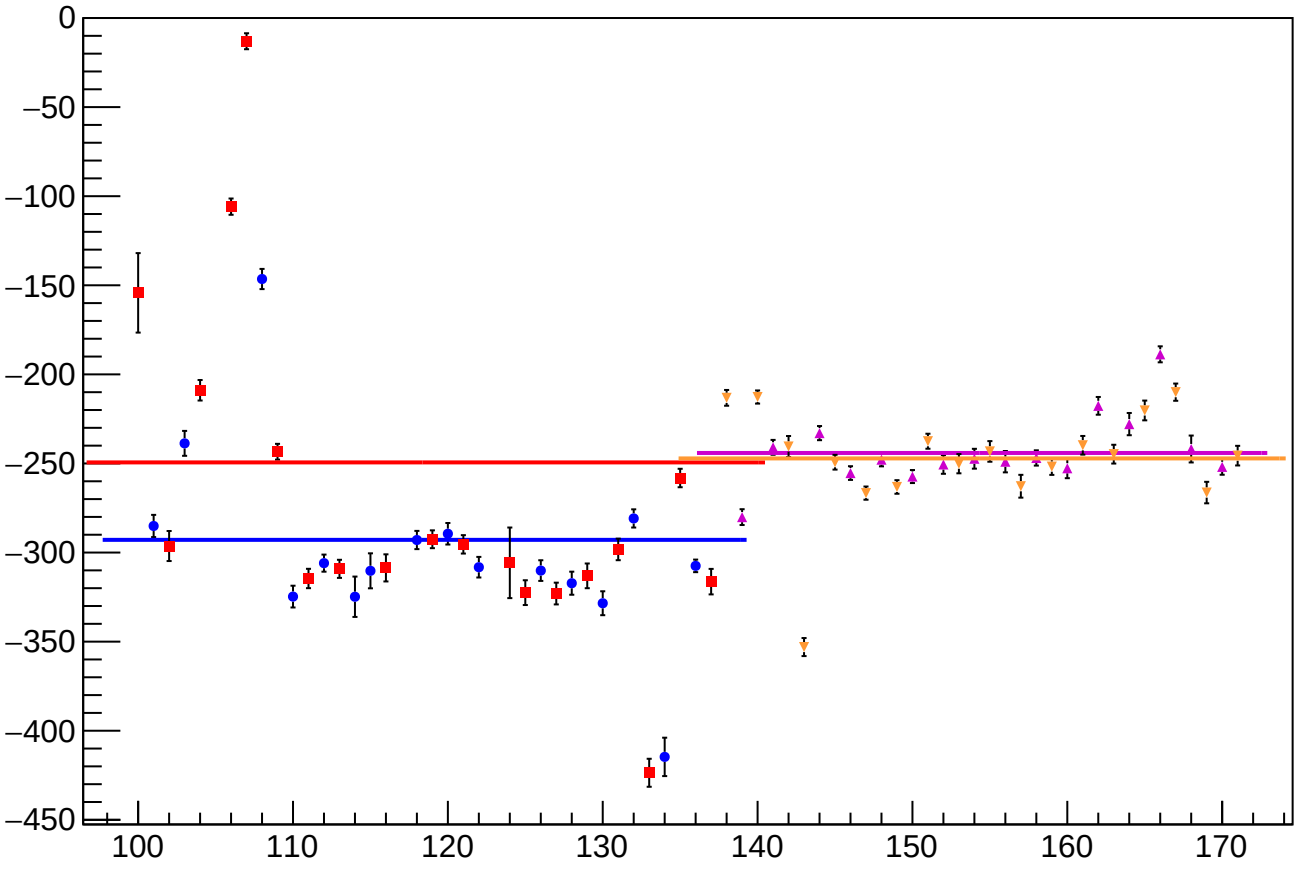
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.775+/-0.874 χ^2/NDF:1183.2/31

Out: 200.373+/-0.827 χ^2/NDF:3469.8/36

All: 206.704+/-0.601 χ^2/NDF: 4777.0/68


reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 10.329+/-1.333 χ²/NDF: 263.3/15
Left Out: -2.658+/-0.772 χ²/NDF:251.8/17
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -0.304+/-0.809 χ²/NDF:264.5/15
Left: -1.535+/-0.559 χ²/NDF: 520.7/33
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 2.559+/-0.692 χ²/NDF:574.3/31
Out: 0.512+/-0.653 χ²/NDF:633.3/36
All: 1.477+/-0.475 χ²/NDF: 1212.2/68



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: -244.108+/-1.152 χ^2/NDF:292.5/15

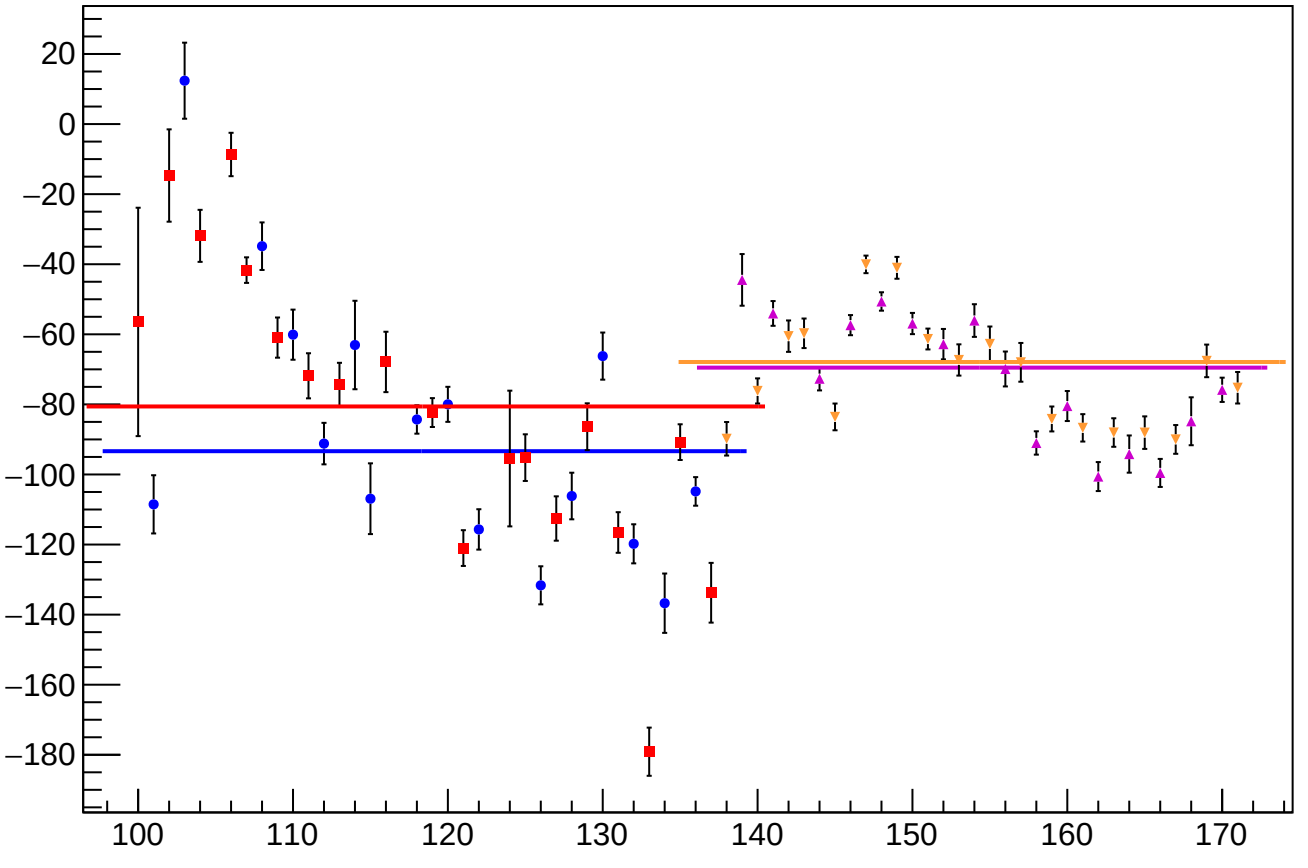
Left: -245.680+/-0.804 χ^2/NDF: 1034.7/33

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -262.703+/-0.906 χ^2/NDF:1959.1/31

Out: -248.073+/-0.868 χ^2/NDF:6108.6/36

All: -255.076+/-0.627 χ^2/NDF: 8203.6/68



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: -69.512+/-0.950 χ^2/NDF:320.1/15

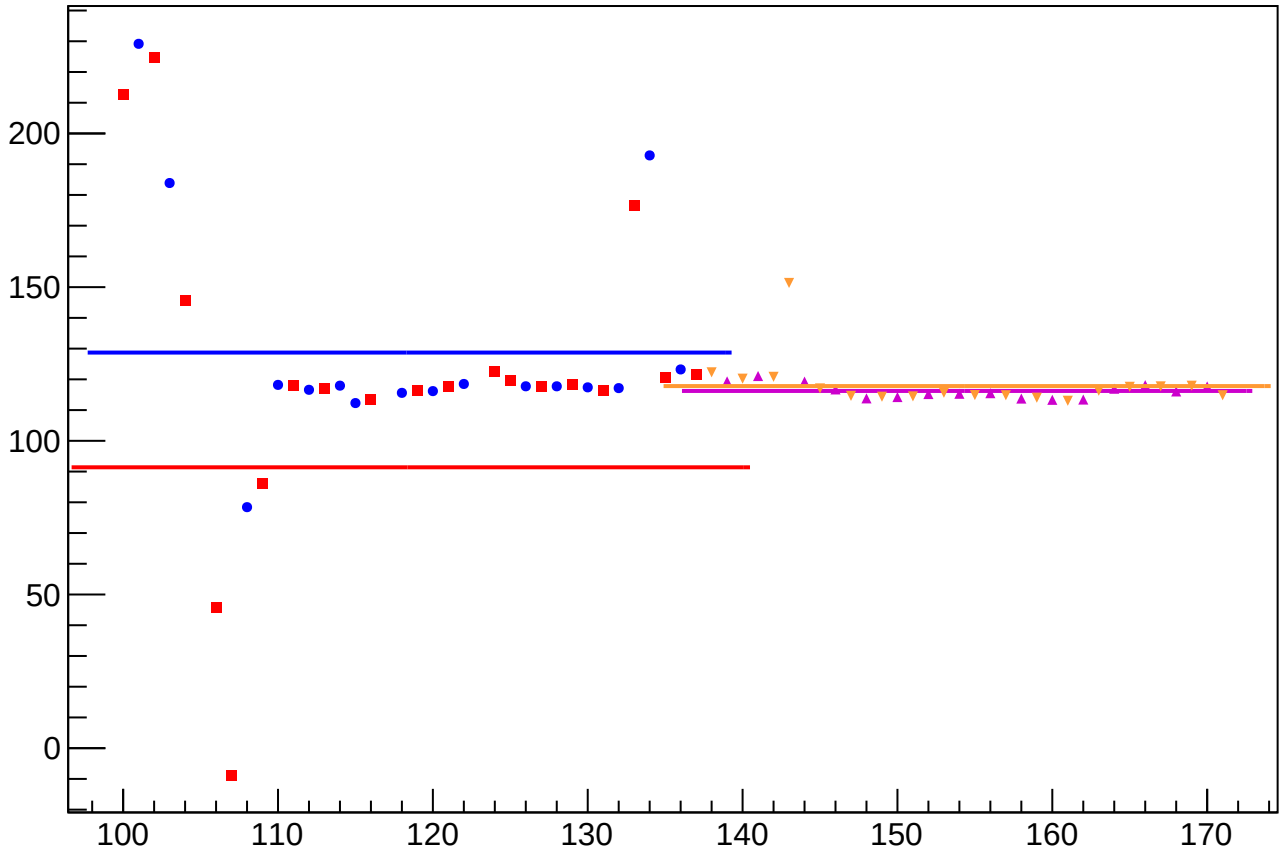
Left: -68.674+/-0.658 χ^2/NDF: 694.0/33

Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -76.115+/-0.807 χ^2/NDF:850.1/31

Out: -71.595+/-0.768 χ^2/NDF:1144.1/36

All: -73.743+/-0.557 χ^2/NDF: 2010.6/68



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: 116.227+/-0.044 χ^2/NDF:2922.4/15

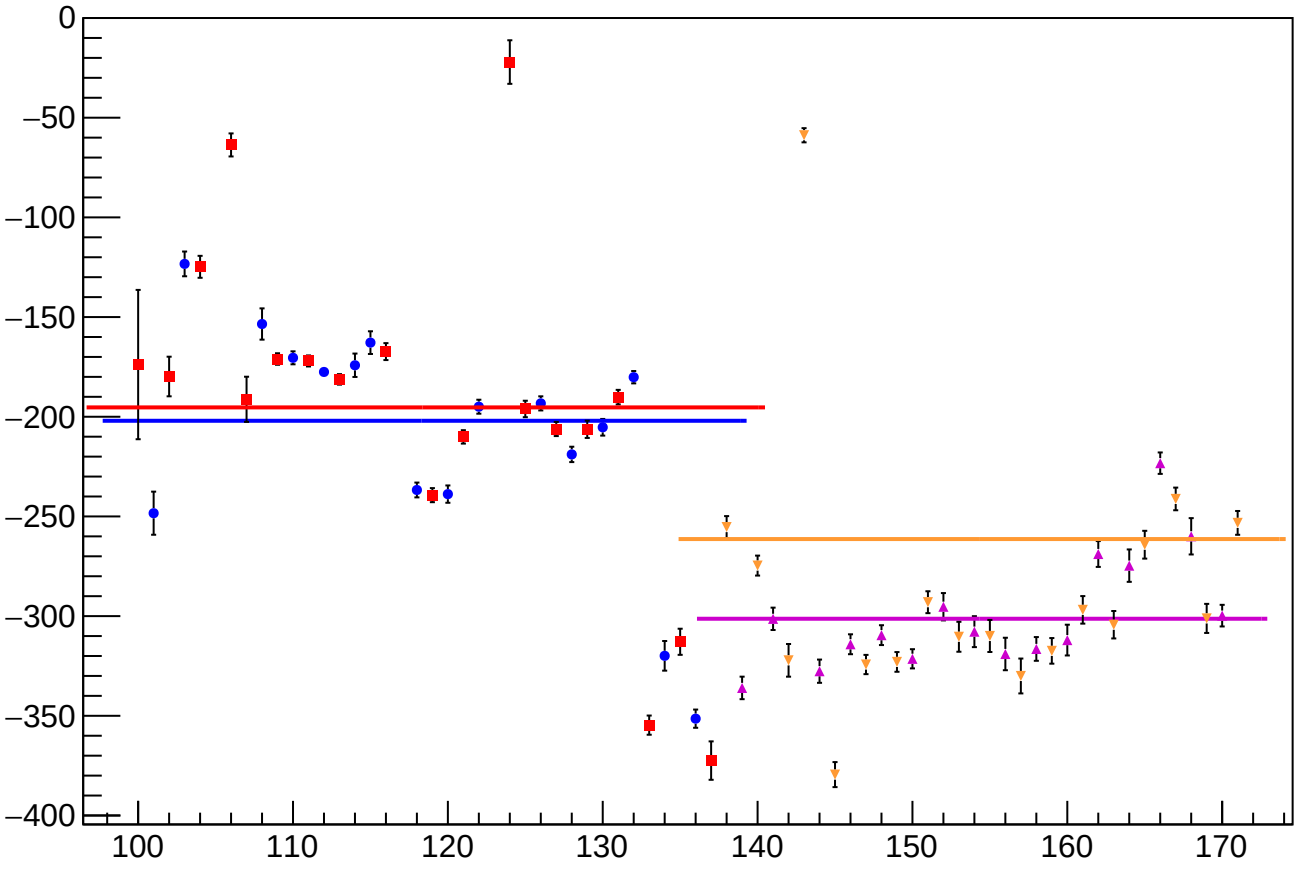
Left: 117.033+/-0.031 χ^2/NDF: 33266.8/33

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.661+/-0.039 χ^2/NDF:202248.7/31

Out: 111.752+/-0.038 χ^2/NDF:720703.5/36

All: 115.073+/-0.027 χ^2/NDF: 938960.1/68



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: -301.318+/-1.518 χ^2/NDF:366.7/15

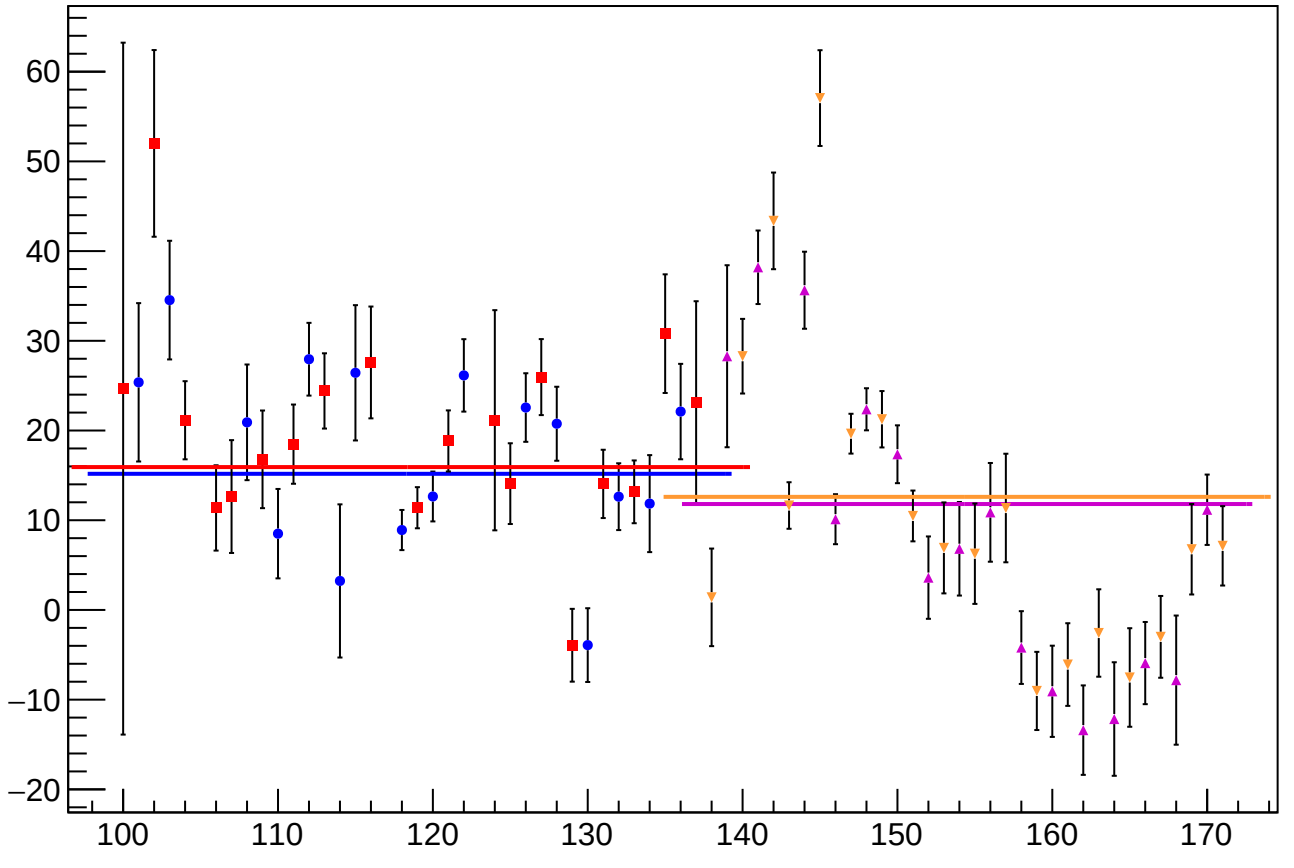
Left: -279.523+/-1.024 χ^2/NDF: 5087.6/33

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -233.068+/-0.849 χ^2/NDF:5346.8/31

Out: -217.132+/-0.797 χ^2/NDF:8962.3/36

All: -224.597+/-0.581 χ^2/NDF: 14496.4/68



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: 11.806+/-1.029 χ^2/NDF:197.4/15

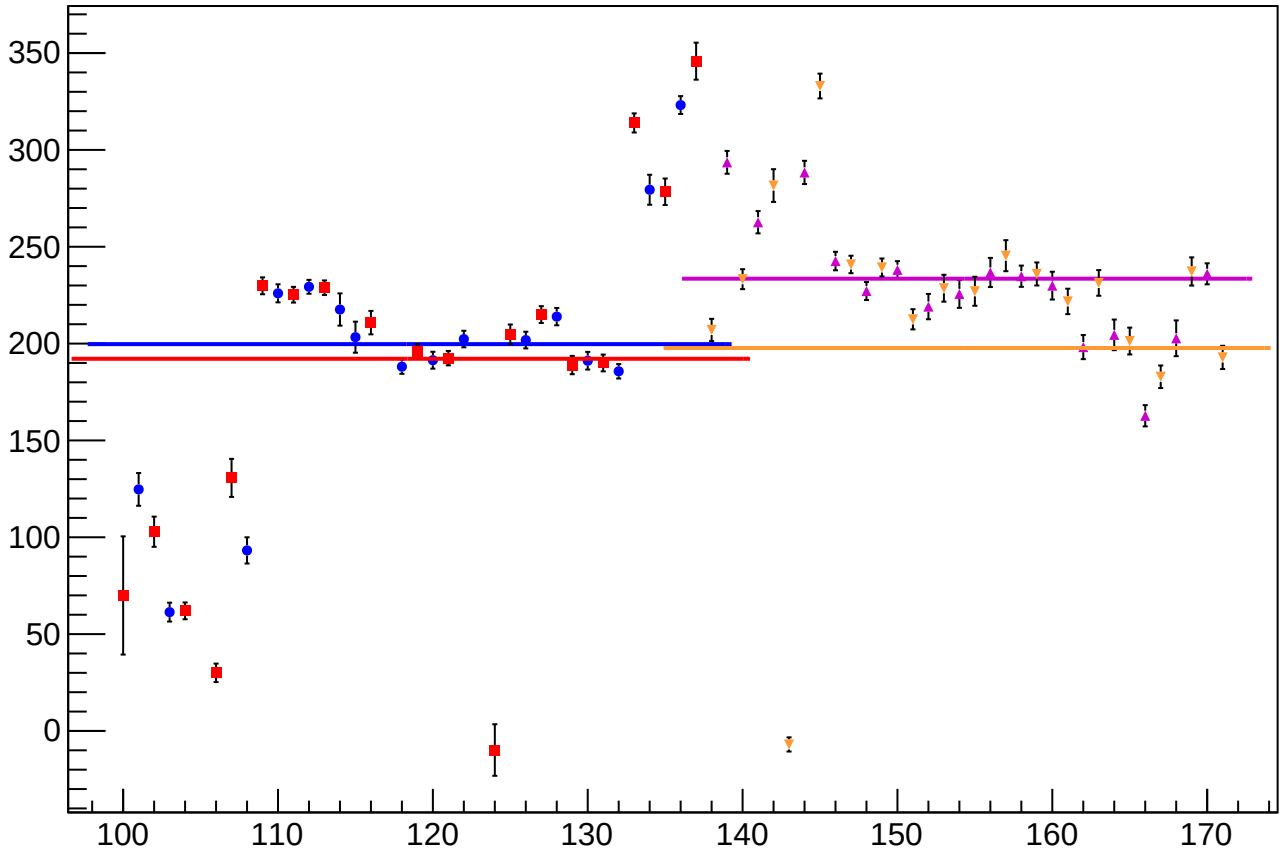
Left: 12.245+/-0.691 χ^2/NDF: 417.9/33

Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.460+/-0.734 χ^2/NDF:275.0/31

Out: 14.090+/-0.693 χ^2/NDF:289.4/36

All: 13.793+/-0.504 χ^2/NDF: 564.8/68



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: 233.514+/-1.474 χ^2/NDF:450.0/15

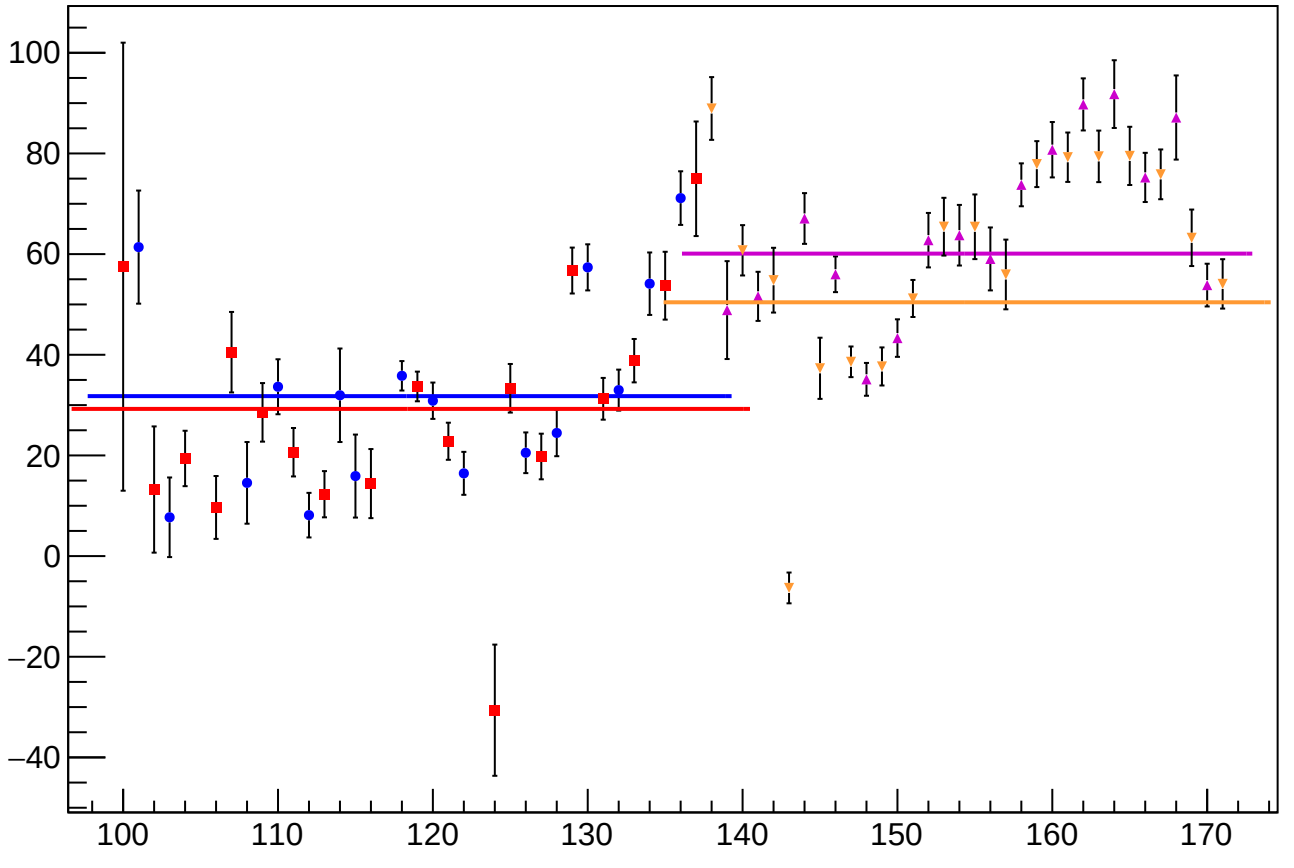
Left: 214.198+/-1.000 χ^2/NDF: 4860.6/33

Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 213.129+/-0.929 χ^2/NDF:2868.5/31

Out: 194.475+/-0.879 χ^2/NDF:7879.5/36

All: 203.287+/-0.638 χ^2/NDF: 10960.8/68



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: 60.097+/-1.210 χ^2/NDF:188.7/15

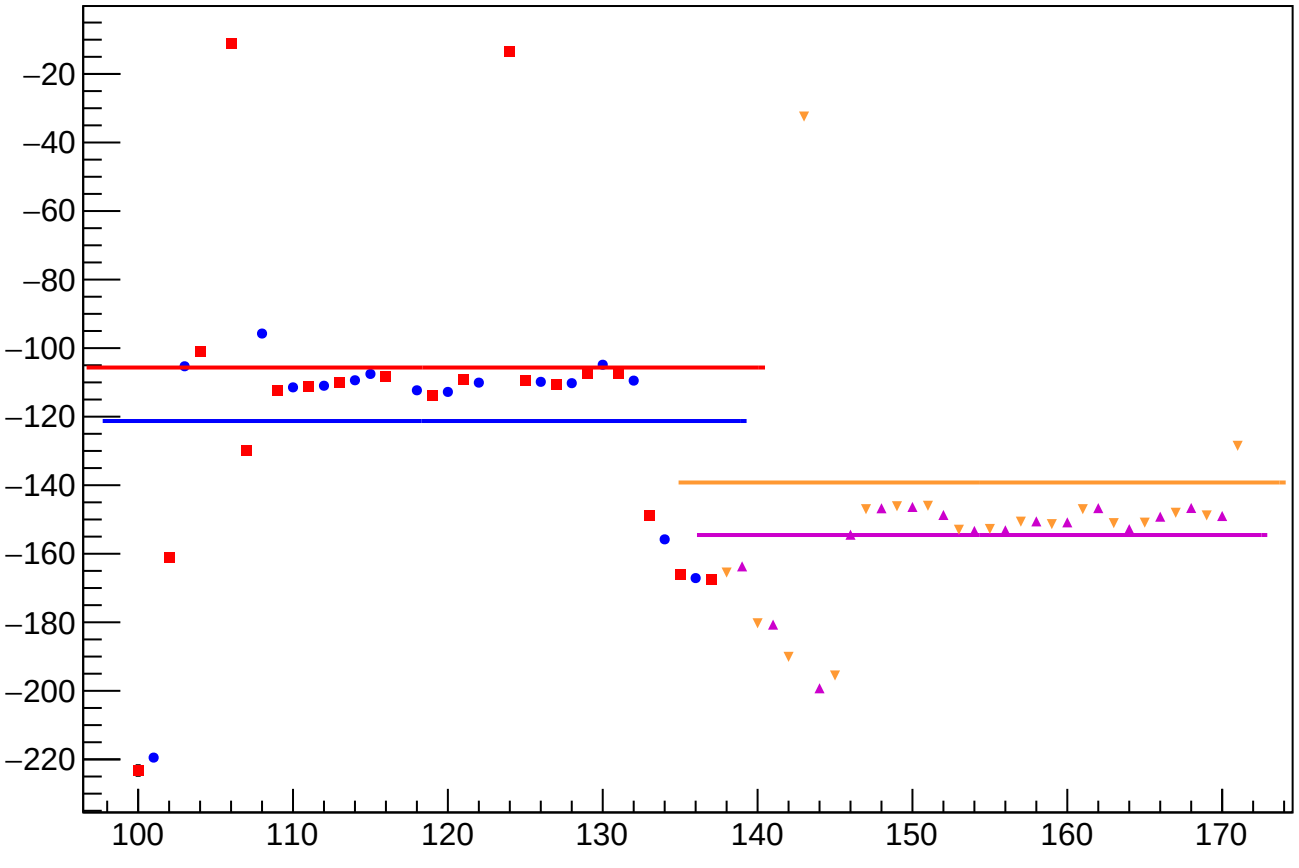
Left: 54.815+/-0.815 χ^2/NDF: 815.2/33

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 46.020+/-0.858 χ^2/NDF:638.1/31

Out: 40.702+/-0.811 χ^2/NDF:902.0/36

All: 43.211+/-0.589 χ^2/NDF: 1560.4/68



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: -154.532+/-0.056 χ^2/NDF:50107.5/15

Left: -146.369+/-0.038 χ^2/NDF: 726767.1/33

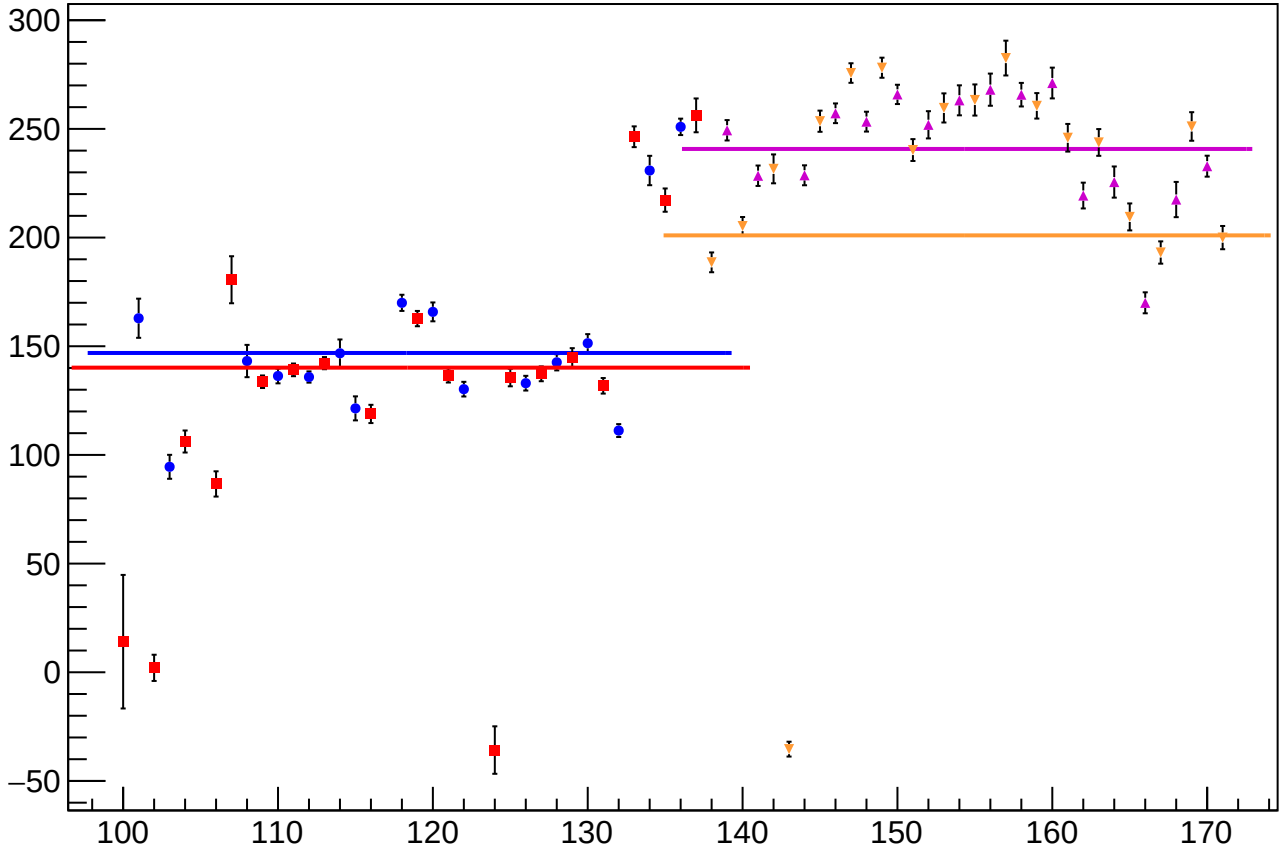
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -143.464+/-0.046 χ^2/NDF:287144.9/31

Out: -128.143+/-0.043 χ^2/NDF:1126928.7/36

All: -135.320+/-0.031 χ^2/NDF: 1473822.5/68

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 201.009+/-1.239 χ^2/NDF:6061.5/17

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 240.770+/-1.344 χ^2/NDF:380.2/15

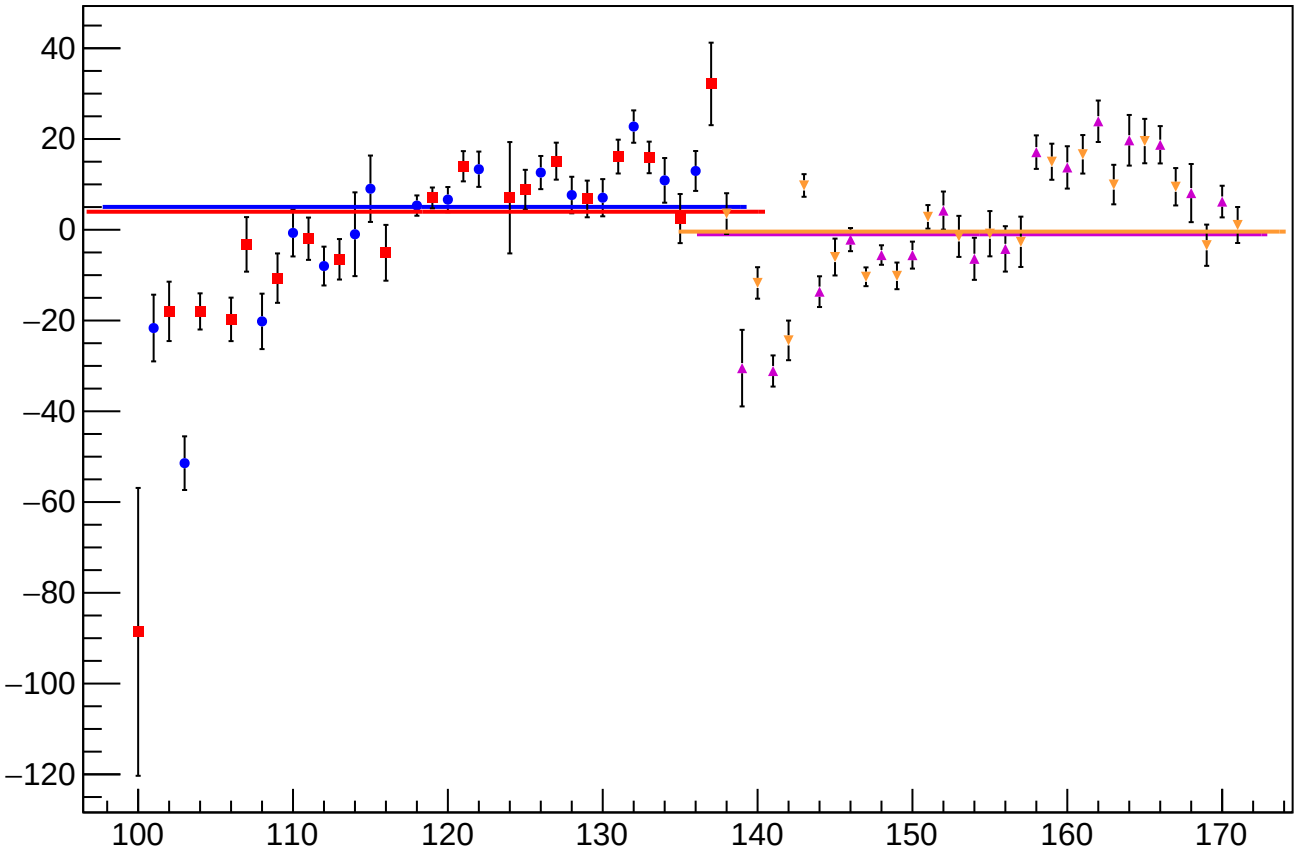
Left: 219.269+/-0.911 χ^2/NDF: 6914.8/33

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

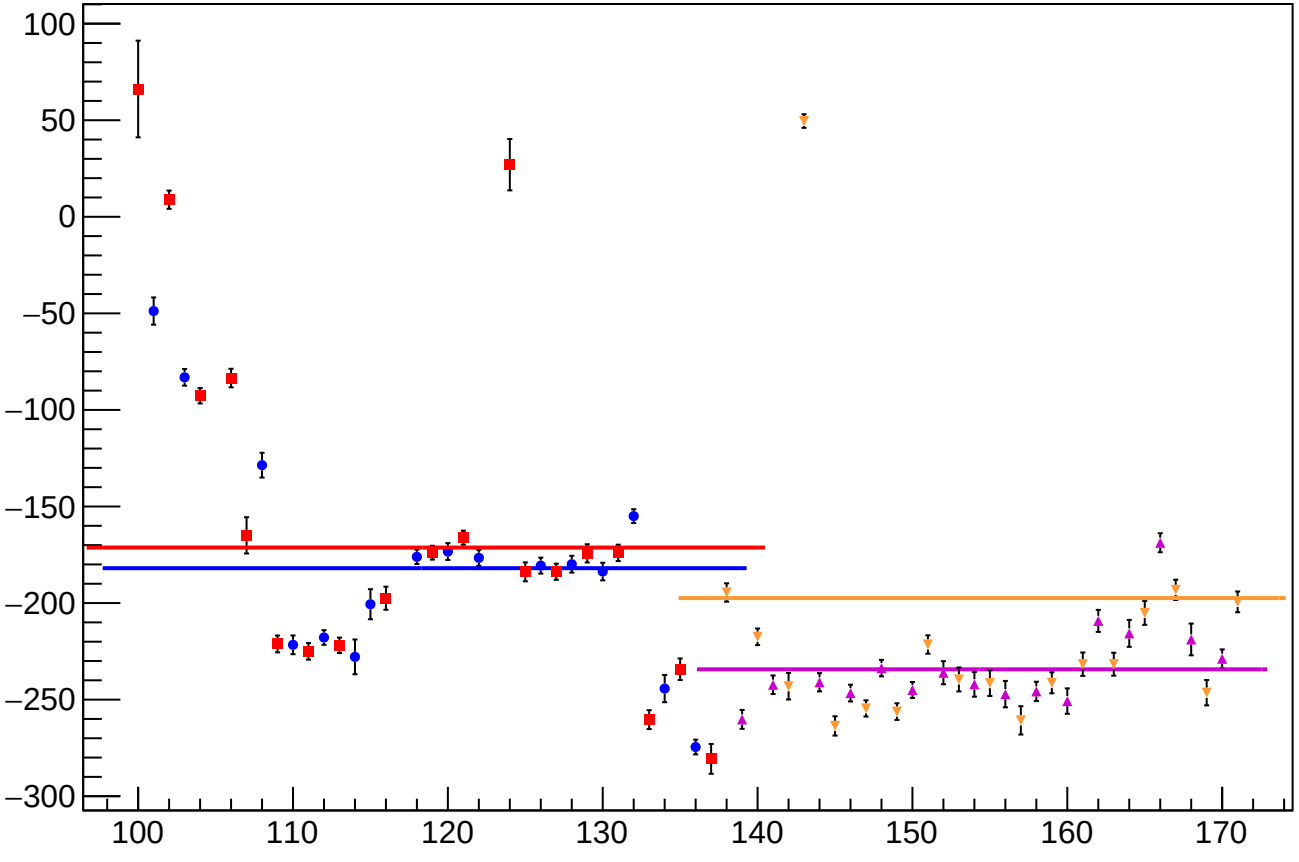
In: 180.483+/-0.804 χ^2/NDF:4813.3/31

Out: 162.985+/-0.759 χ^2/NDF:9519.7/36

All: 171.229+/-0.552 χ^2/NDF: 14583.5/68


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: -0.995+/-0.922 χ²/NDF:220.3/15
Left: -0.674+/-0.622 χ²/NDF: 376.4/33
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 1.714+/-0.684 χ²/NDF:411.4/31
Out: 1.386+/-0.647 χ²/NDF:311.8/36
All: 1.541+/-0.470 χ²/NDF: 723.3/68

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: -234.302+/-1.310 χ^2/NDF:272.7/15

Left: -214.541+/-0.892 χ^2/NDF: 6623.0/33

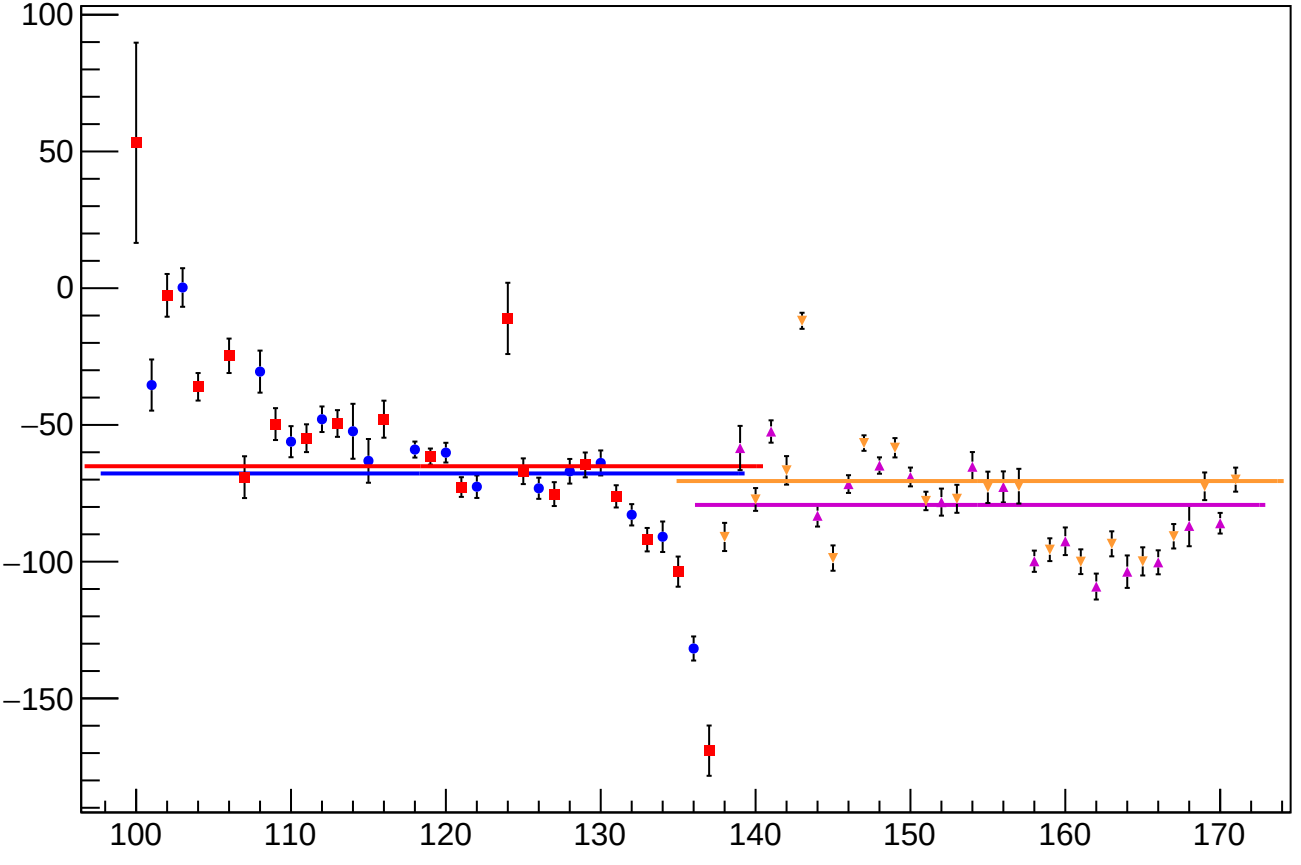
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.830+/-0.866 χ^2/NDF:3042.9/31

Out: -183.119+/-0.821 χ^2/NDF:9804.3/36

All: -193.403+/-0.596 χ^2/NDF: 13178.2/68

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: -79.253+/-1.081 χ^2/NDF:215.1/15

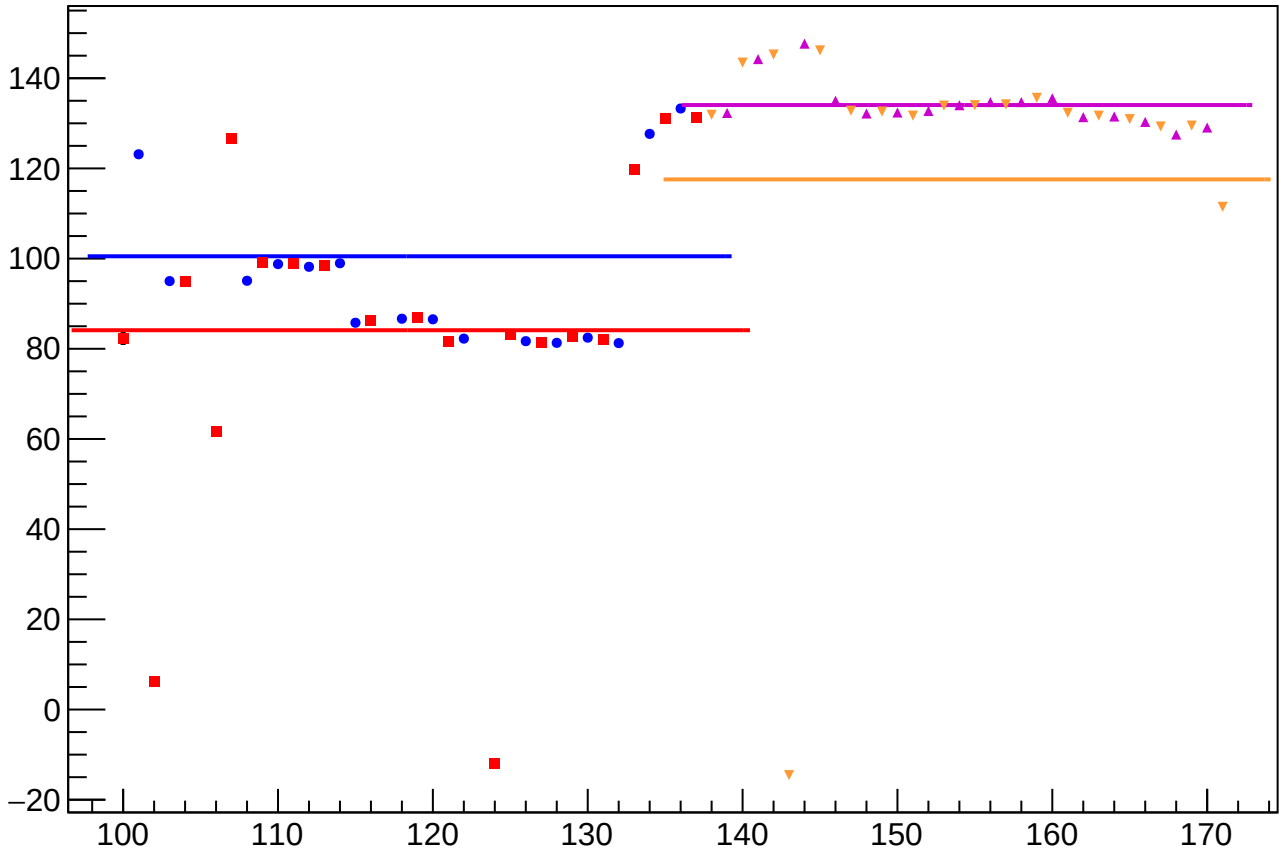
Left: -74.520+/-0.732 χ^2/NDF: 903.3/33

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -74.005+/-0.798 χ^2/NDF:680.8/31

Out: -68.246+/-0.756 χ^2/NDF:1094.4/36

All: -70.973+/-0.549 χ^2/NDF: 1802.7/68



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: 134.052+/-0.050 χ^2/NDF:9286.3/15

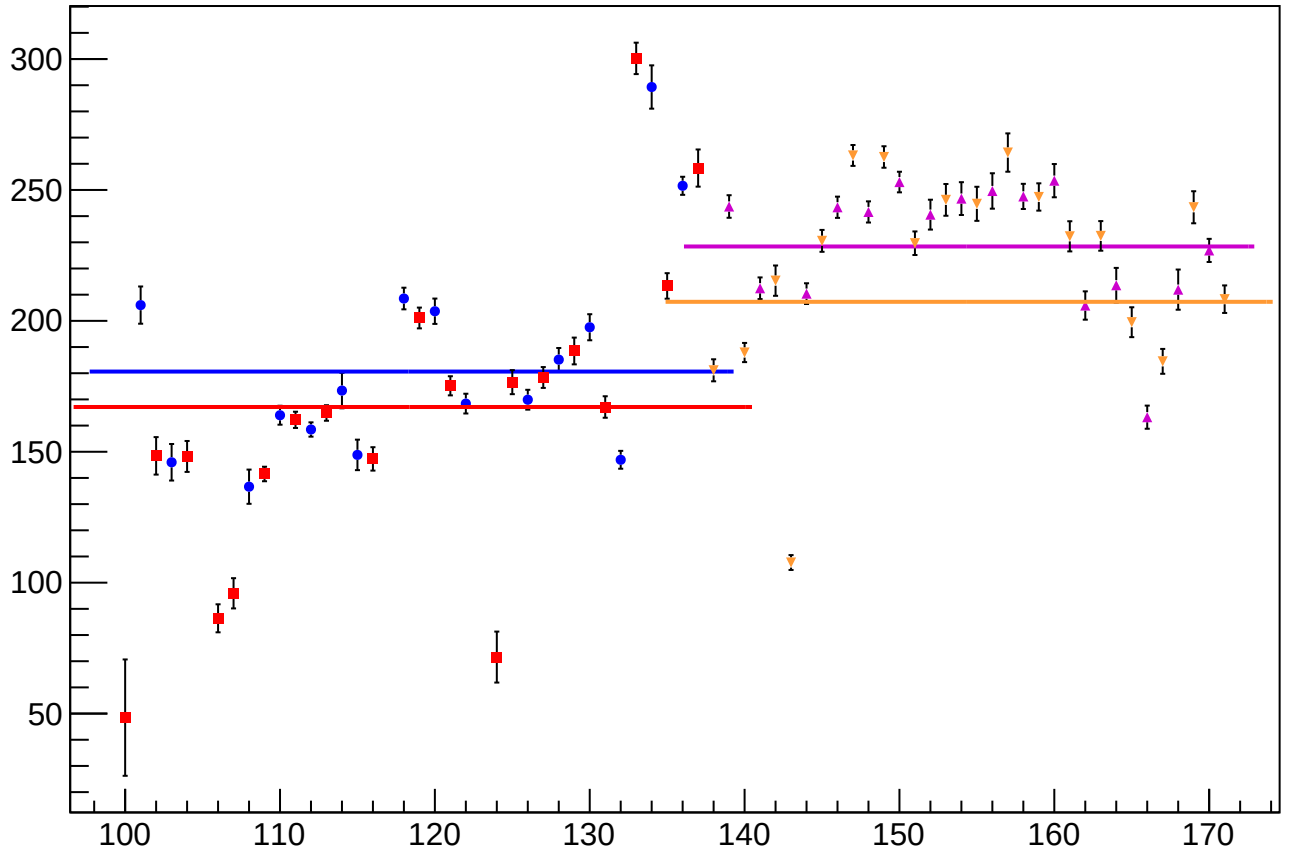
Left: 125.327+/-0.034 χ^2/NDF: 1005556.9/33

Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 123.596+/-0.041 χ^2/NDF:218225.2/31

Out: 107.021+/-0.039 χ^2/NDF:1361988.7/36

All: 114.804+/-0.028 χ^2/NDF: 1665648.2/68



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: 228.411+/-1.208 χ^2/NDF:410.4/15

Left: 216.902+/-0.815 χ^2/NDF: 2599.5/33

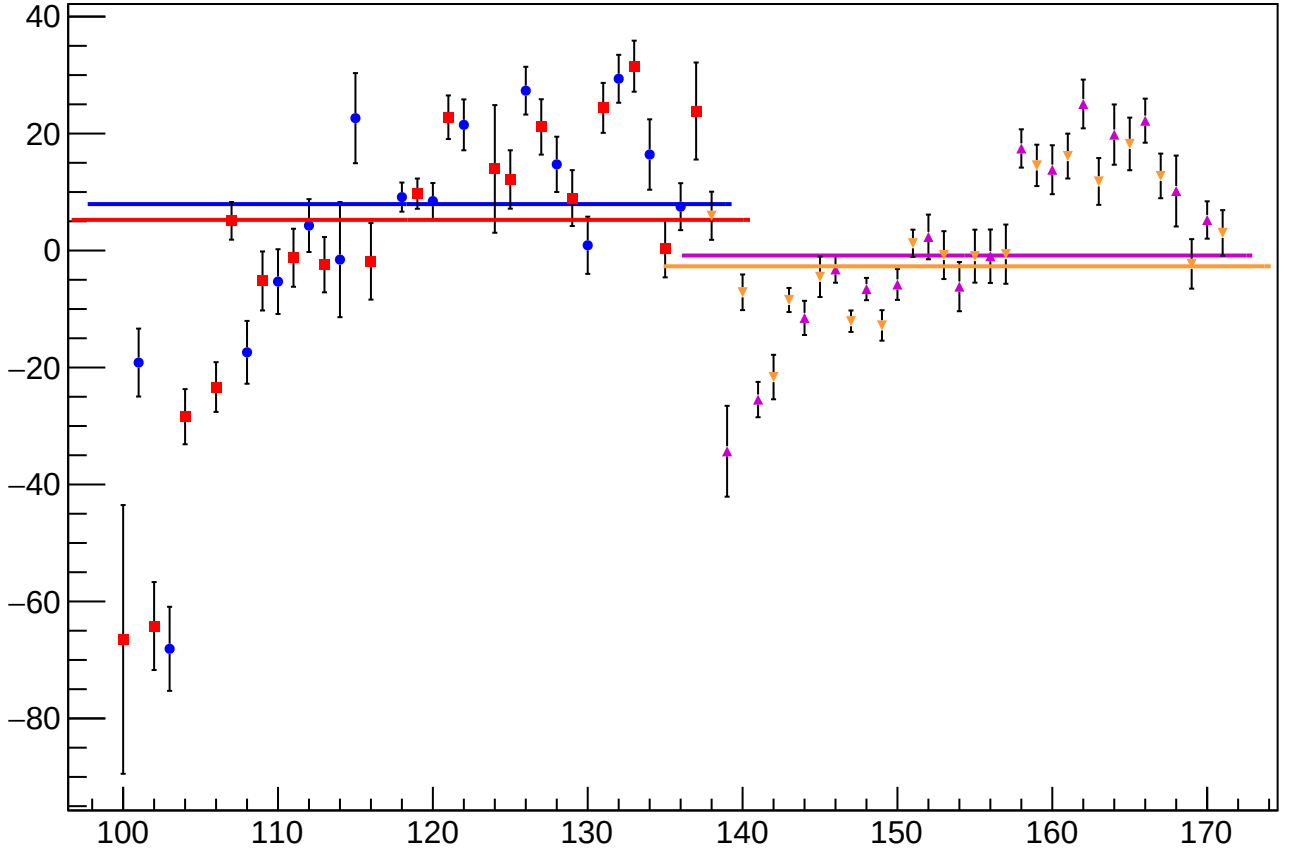
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.063+/-0.809 χ^2/NDF:2266.1/31

Out: 185.600+/-0.750 χ^2/NDF:4220.2/36

All: 193.205+/-0.550 χ^2/NDF: 6709.0/68

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: -0.850+/-0.825 χ^2/NDF:257.0/15

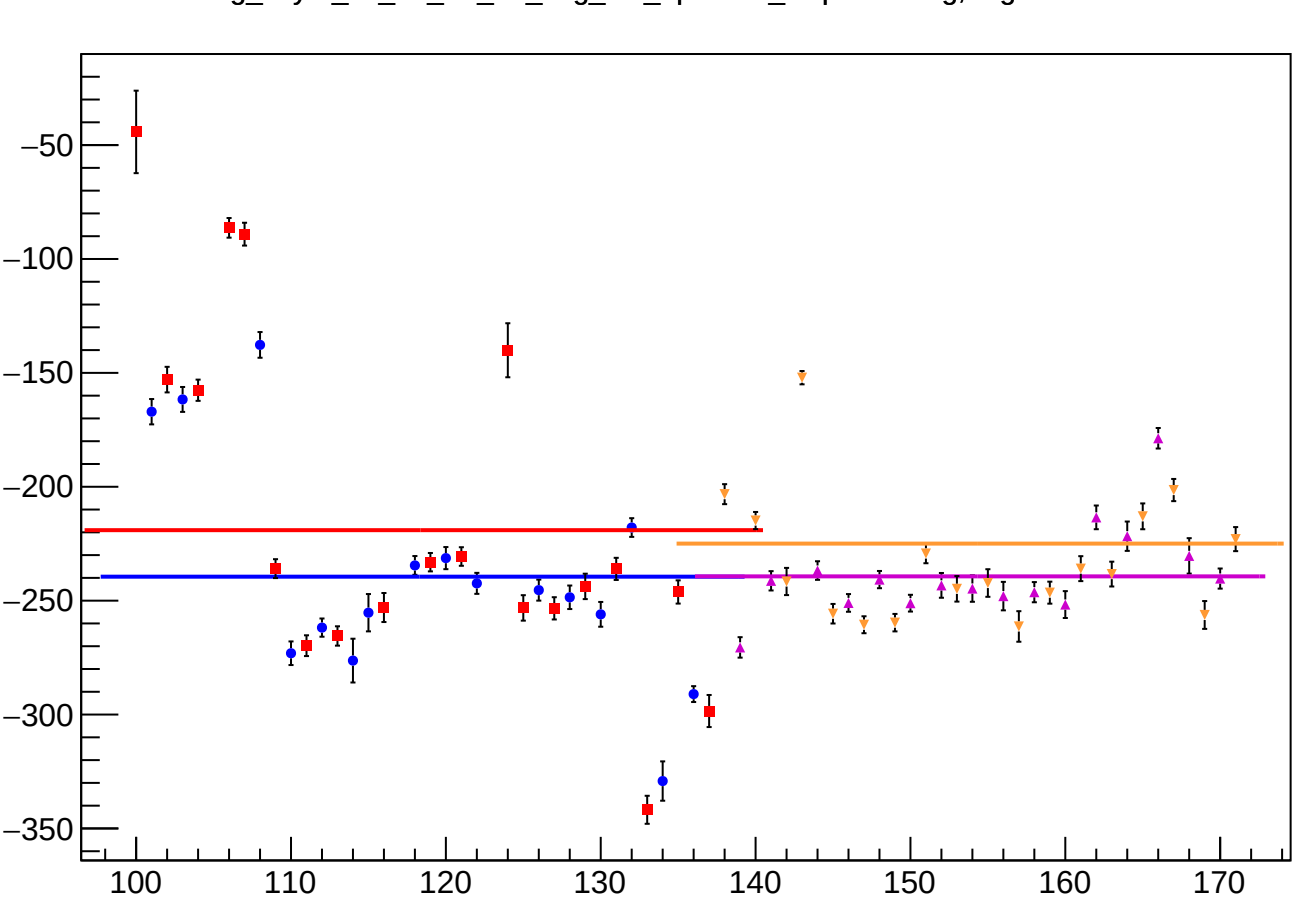
Left: -1.860+/-0.555 χ^2/NDF: 445.2/33

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

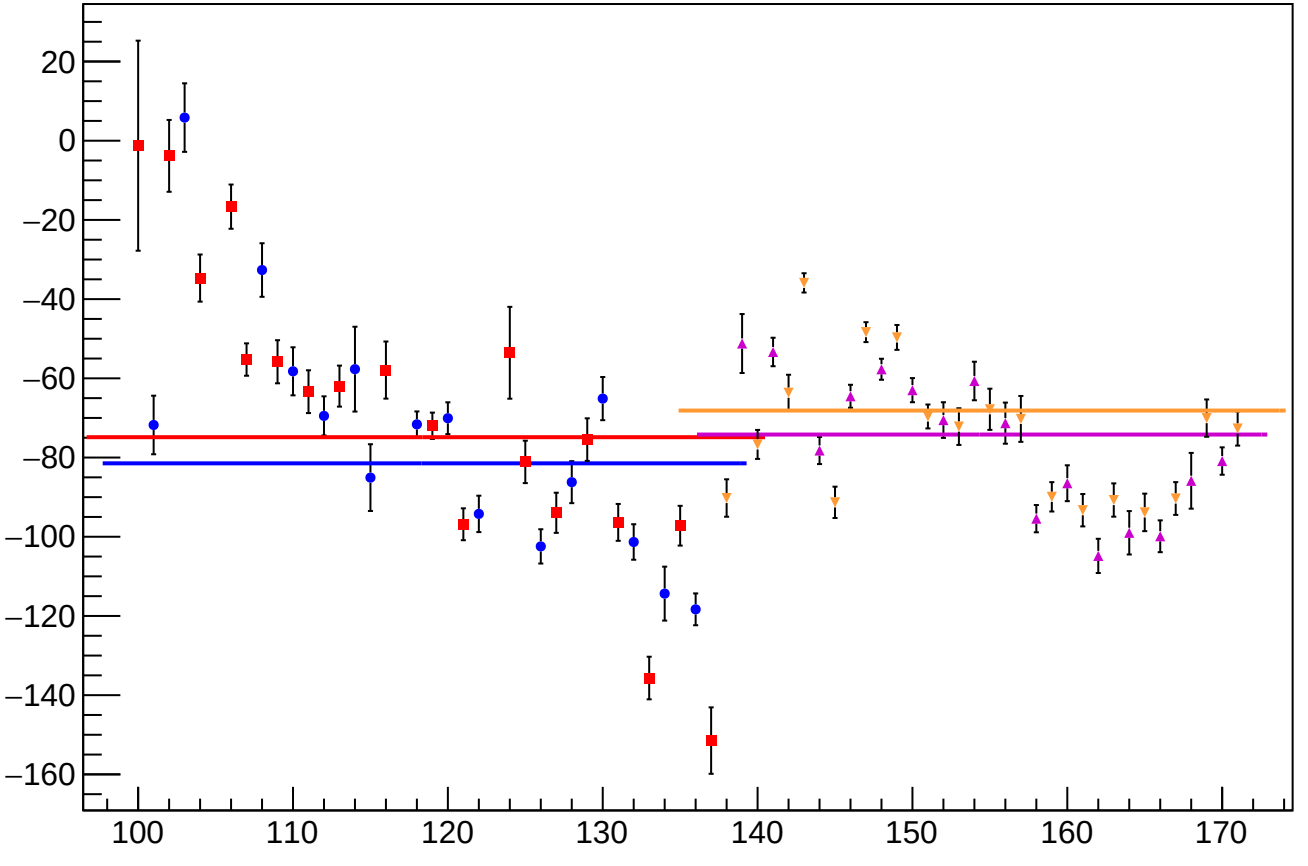
In: 2.266+/-0.663 χ^2/NDF:530.2/31

Out: -0.057+/-0.612 χ^2/NDF:525.6/36

All: 1.013+/-0.450 χ^2/NDF: 1062.5/68


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
−100
−150
−200
−250
−300
−350
100
110
120
130
140
150
160
170
Right In: -239.468+/-1.245 χ²/NDF: 1162.2/15
Left Out: -224.951+/-1.089 χ²/NDF:1021.0/17
Right Out: -219.053+/-1.176 χ²/NDF: 3049.3/18
Left In: -239.335+/-1.177 χ²/NDF:292.9/15
Left: -231.584+/-0.799 χ²/NDF: 1394.5/33
Right: -228.679+/-0.855 χ²/NDF: 4353.5/34
In: -239.398+/-0.855 χ²/NDF:1455.2/31
Out: -222.230+/-0.799 χ²/NDF:4083.9/36
All: -230.229+/-0.584 χ²/NDF: 5754.2/68

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -68.136+/-0.886 χ^2/NDF:496.4/17

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -74.193+/-0.970 χ^2/NDF:280.0/15

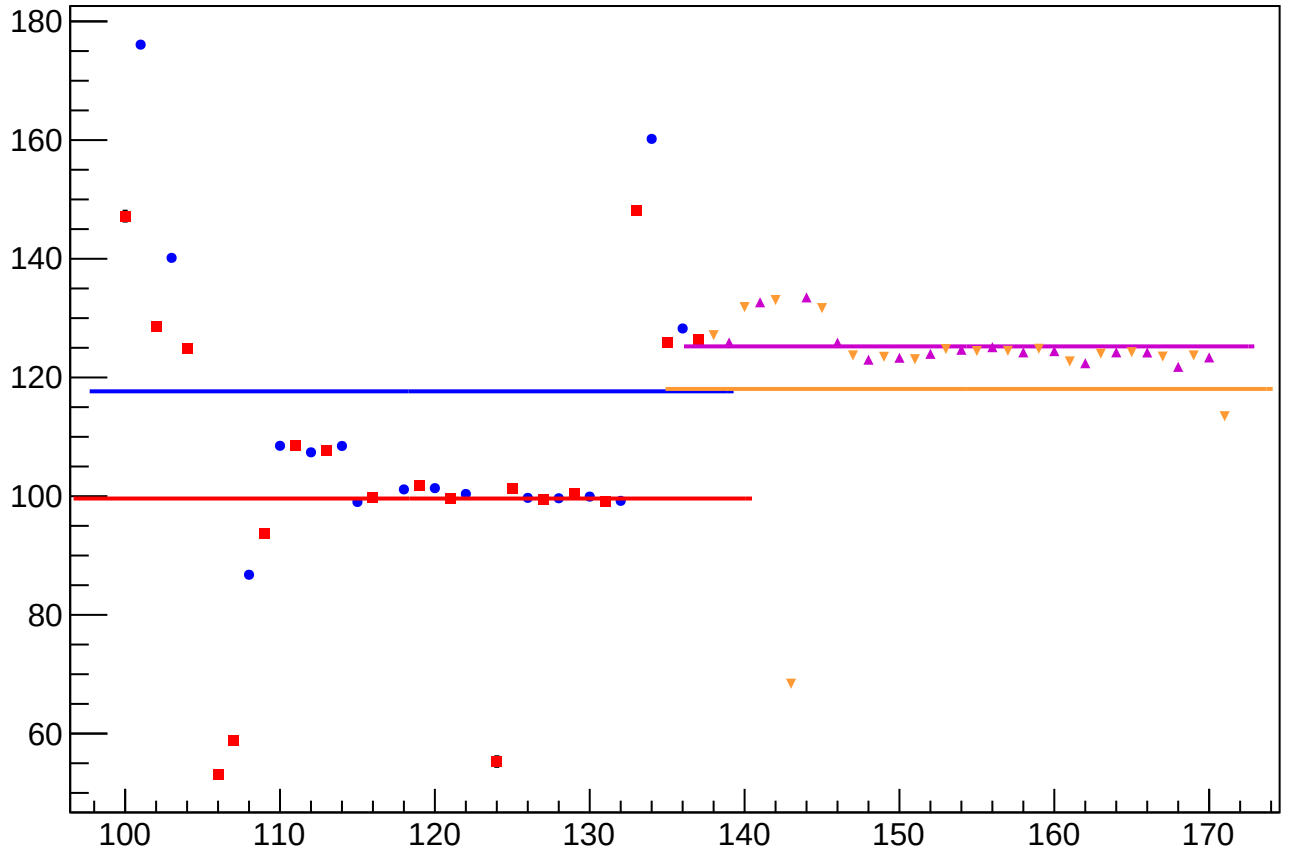
Left: -70.892+/-0.654 χ^2/NDF: 797.7/33

Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.825+/-0.774 χ^2/NDF:666.9/31

Out: -70.433+/-0.719 χ^2/NDF:1092.7/36

All: -73.392+/-0.527 χ^2/NDF: 1796.1/68



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: 125.238+/-0.045 χ^2/NDF:4971.2/15

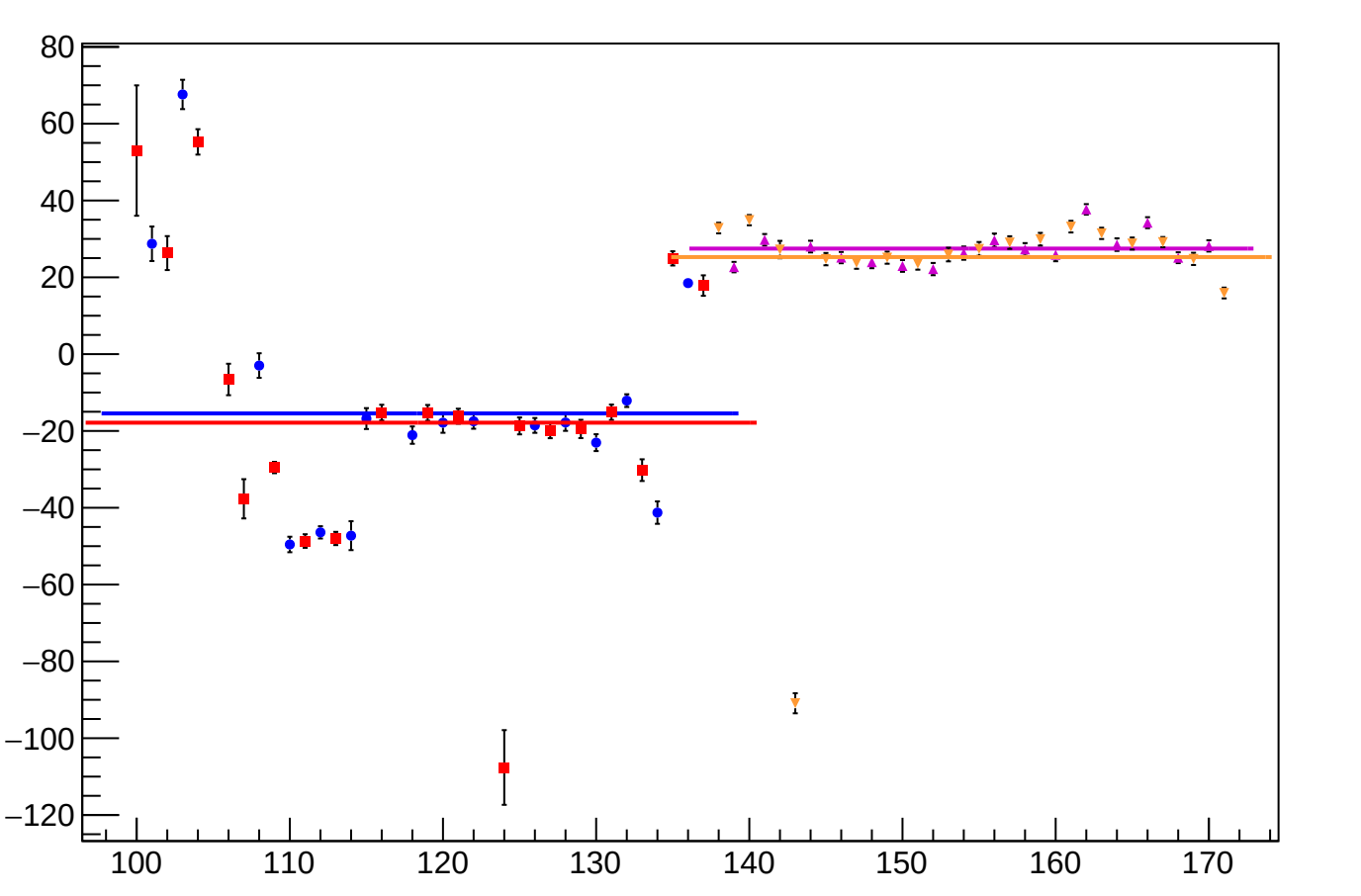
Left: 121.430+/-0.031 χ^2/NDF: 217299.7/33

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.365+/-0.039 χ^2/NDF:107416.1/31

Out: 113.188+/-0.036 χ^2/NDF:415739.0/36

All: 117.901+/-0.026 χ^2/NDF: 559874.8/68



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: 27.481+/-0.382 χ^2/NDF:127.3/15

Left: 26.354+/-0.268 χ^2/NDF: 2323.5/33

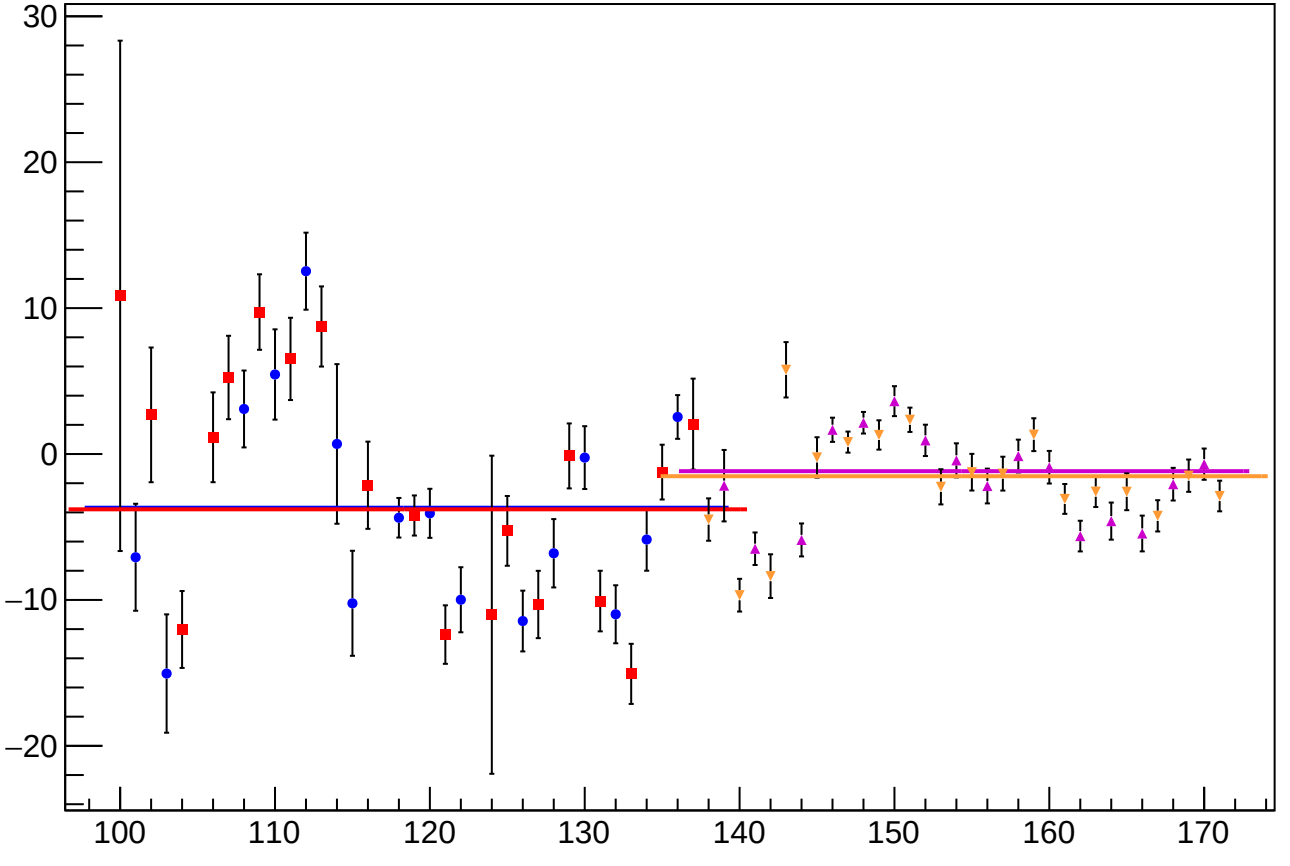
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.108+/-0.312 χ^2/NDF:6468.0/31

Out: 10.904+/-0.306 χ^2/NDF:8724.4/36

All: 11.984+/-0.218 χ^2/NDF: 15217.8/68

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: -1.174+/-0.270 χ^2/NDF:138.0/15

Left: -1.354+/-0.187 χ^2/NDF: 291.5/33

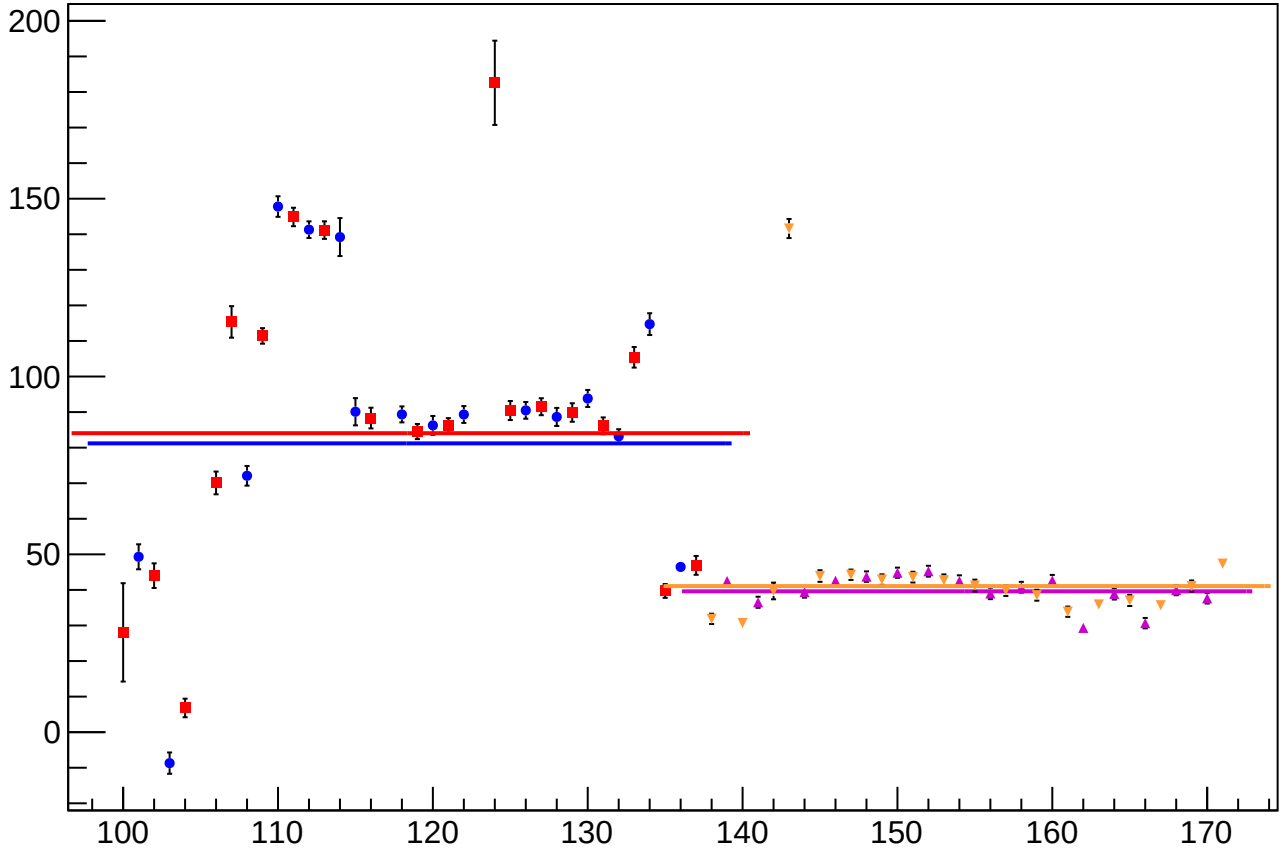
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.657+/-0.242 χ^2/NDF:278.6/31

Out: -1.919+/-0.236 χ^2/NDF:327.2/36

All: -1.791+/-0.169 χ^2/NDF: 606.4/68

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: 39.603+/-0.372 χ^2/NDF:156.5/15

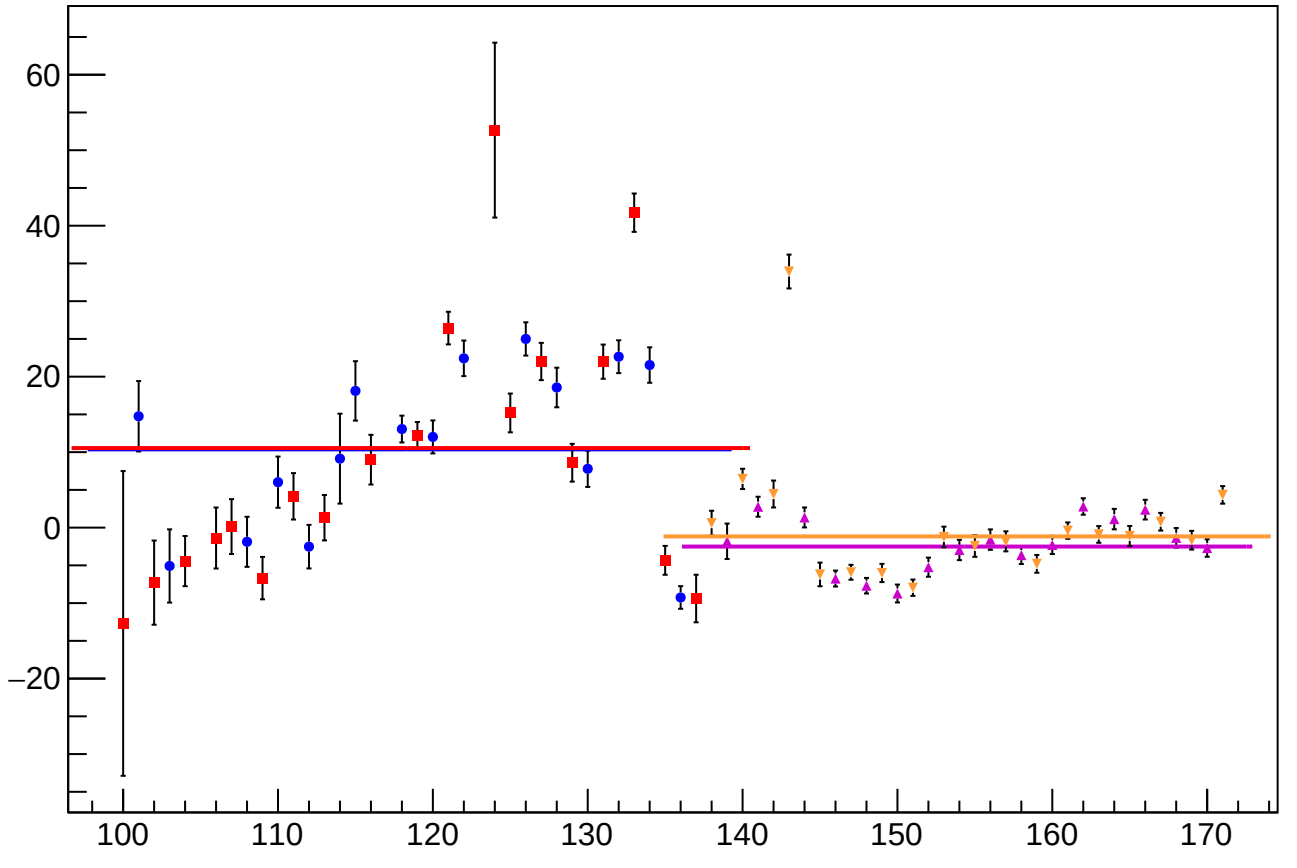
Left: 40.350+/-0.261 χ^2/NDF: 1758.9/33

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.976+/-0.317 χ^2/NDF:6799.3/31

Out: 52.279+/-0.315 χ^2/NDF:8399.1/36

All: 51.633+/-0.223 χ^2/NDF: 15206.9/68


reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
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0
−20
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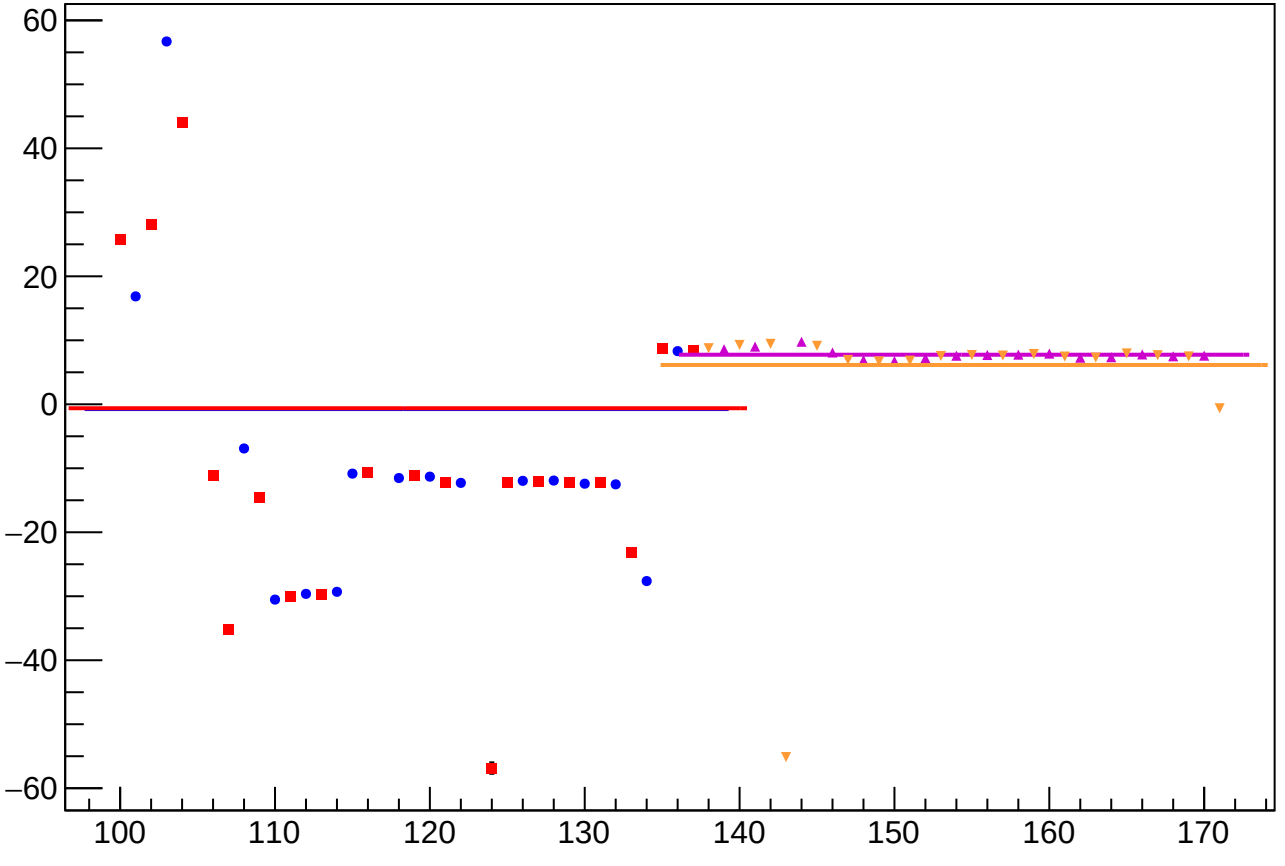
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -1.162+/-0.300 χ²/NDF:414.0/17
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -2.508+/-0.311 χ²/NDF:145.4/15
Left: -1.811+/-0.216 χ²/NDF: 569.1/33
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.042+/-0.279 χ²/NDF:843.9/31
Out: 0.950+/-0.272 χ²/NDF:1158.5/36
All: 0.507+/-0.195 χ²/NDF: 2007.8/68

reg_asym_atl_dd_atr_dd_dd_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: 7.746+/-0.014 χ^2/NDF:2330.1/15

Left: 6.930+/-0.010 χ^2/NDF: 345627.8/33

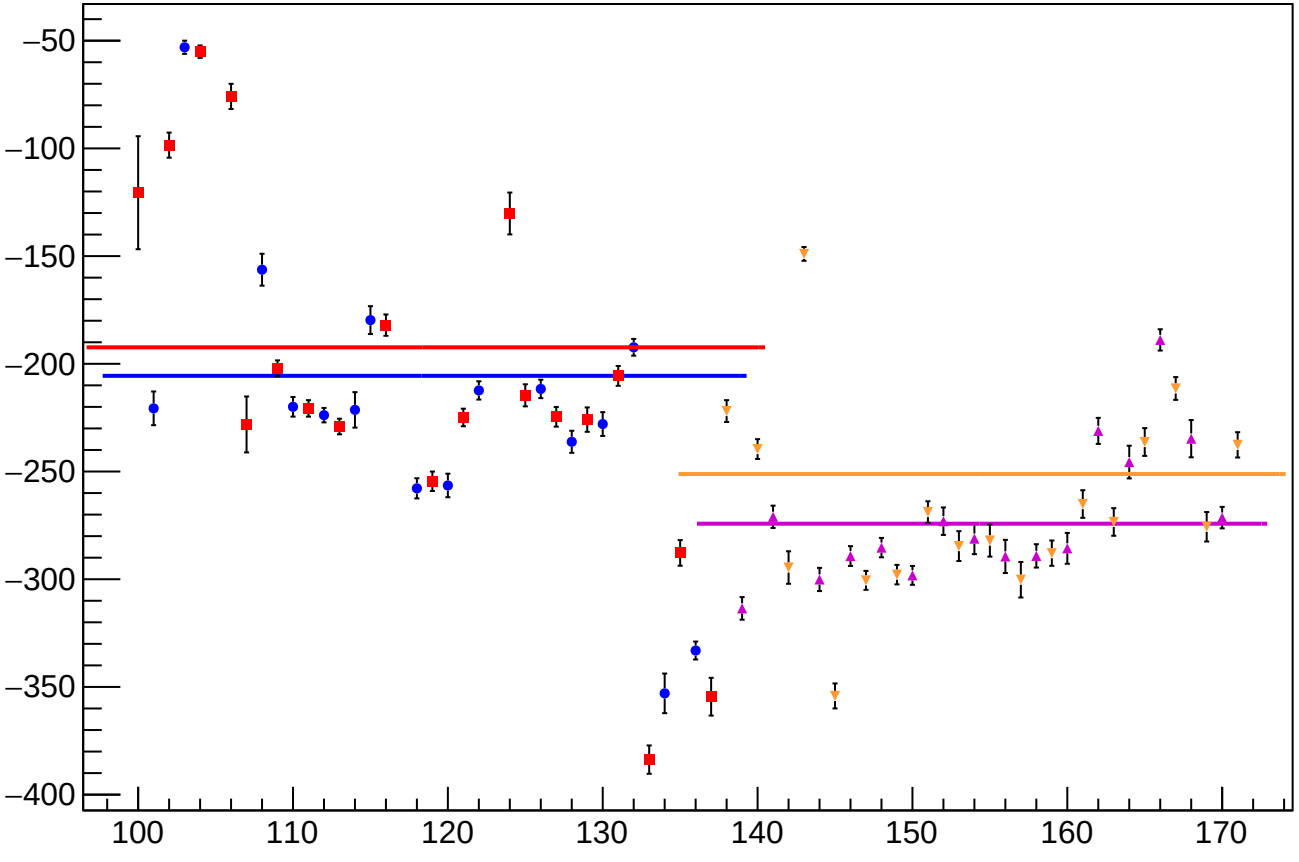
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.646+/-0.013 χ^2/NDF:419073.9/31

Out: 5.353+/-0.013 χ^2/NDF:681938.0/36

All: 5.992+/-0.009 χ^2/NDF: 1106084.5/68

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -251.168+/-1.278 χ^2/NDF:1858.2/17

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -274.220+/-1.400 χ^2/NDF:525.8/15

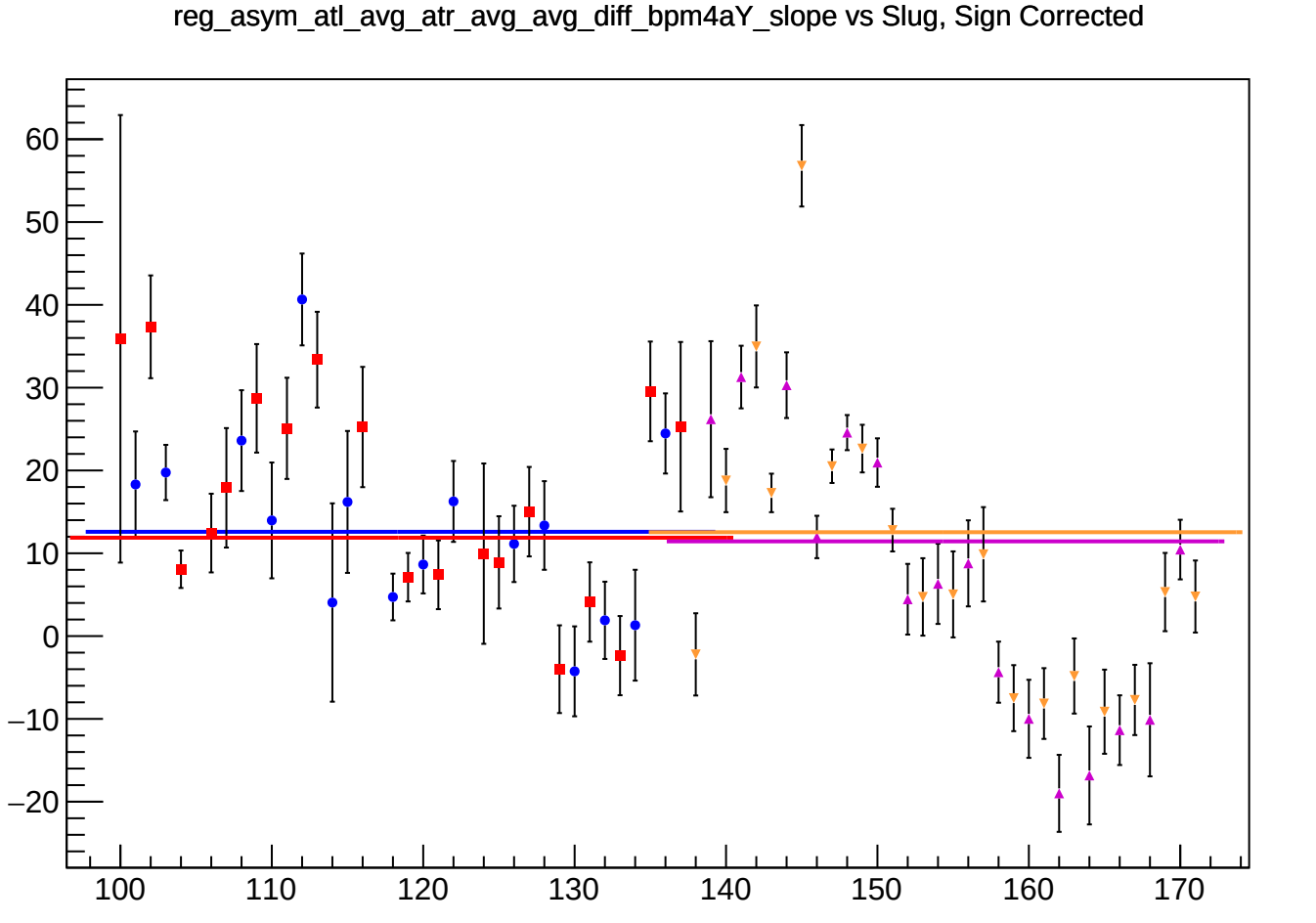
Left: -261.651+/-0.944 χ^2/NDF: 2531.9/33

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

In: -234.233+/-0.904 χ^2/NDF:5983.2/31

Out: -217.958+/-0.843 χ^2/NDF:8023.8/36

All: -225.530+/-0.617 χ^2/NDF: 14180.2/68


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
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30
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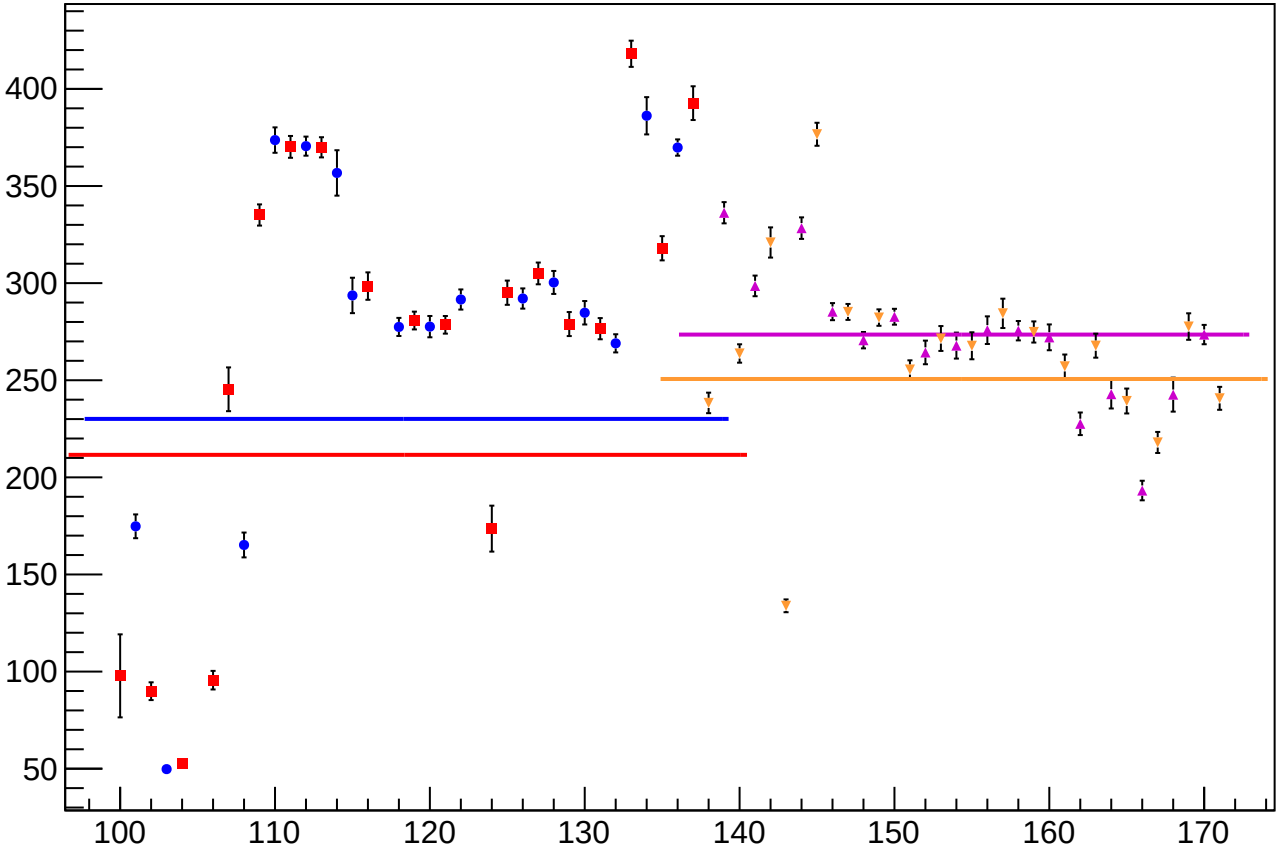
−10
−20
100
110
120
130
140
150
160
170
Right In: 12.592+/-1.203 χ2/NDF: 68.5/15
Left Out: 12.544+/-0.856 χ2/NDF:260.0/17
Right Out: 11.880+/-1.122 χ2/NDF: 84.9/18
Left In: 11.438+/-0.945 χ2/NDF:249.6/15
Left: 12.045+/-0.635 χ2/NDF: 510.4/33
Right: 12.211+/-0.820 χ2/NDF: 153.6/34
In: 11.879+/-0.743 χ2/NDF:318.7/31
Out: 12.299+/-0.681 χ2/NDF:345.2/36
All: 12.107+/-0.502 χ2/NDF: 664.0/68

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: 273.508+/-1.359 χ^2/NDF:613.6/15

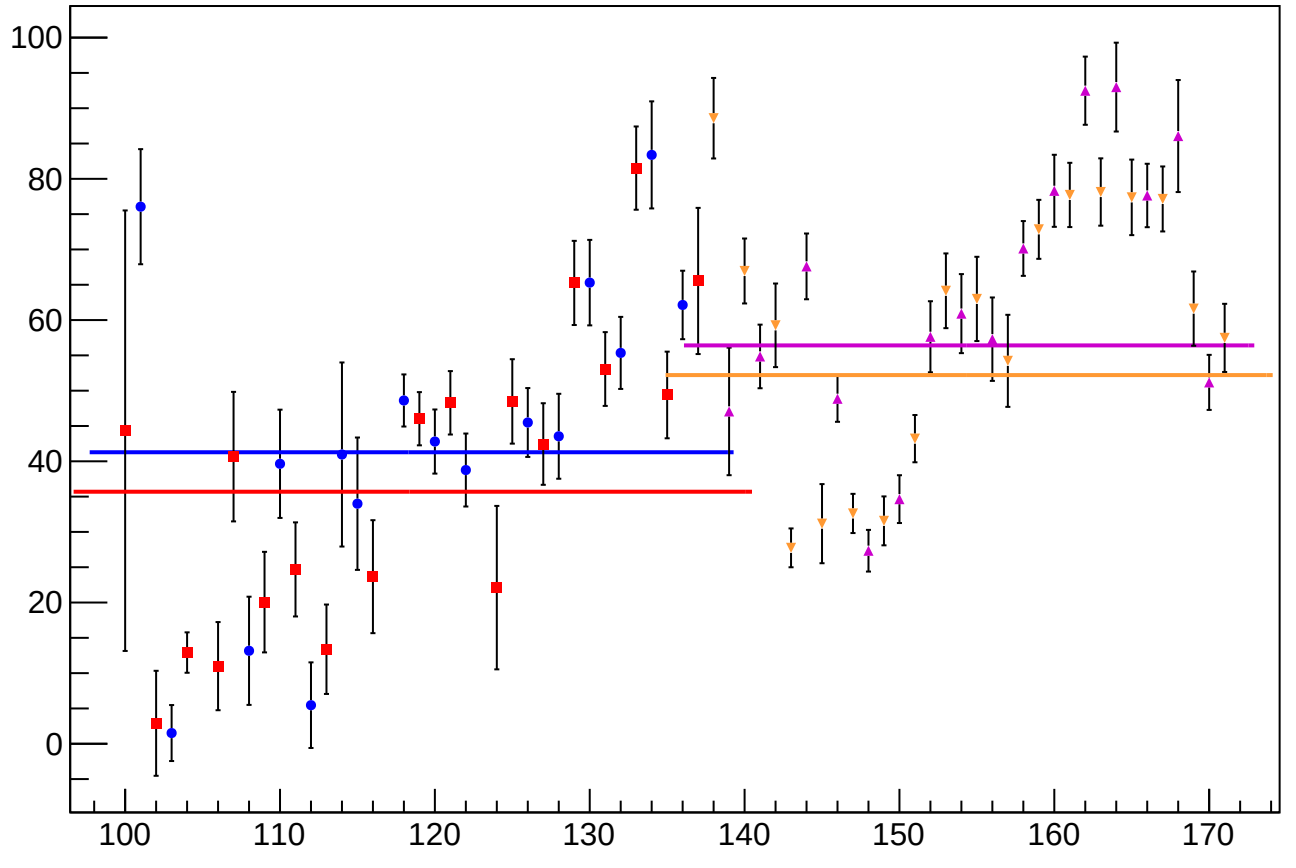
Left: 261.174+/-0.922 χ^2/NDF: 2817.9/33

Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 250.164+/-0.924 χ^2/NDF:10538.4/31

Out: 230.165+/-0.866 χ^2/NDF:14031.5/36

All: 239.516+/-0.632 χ^2/NDF: 24819.5/68



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: 56.411+/-1.113 χ^2/NDF:310.2/15

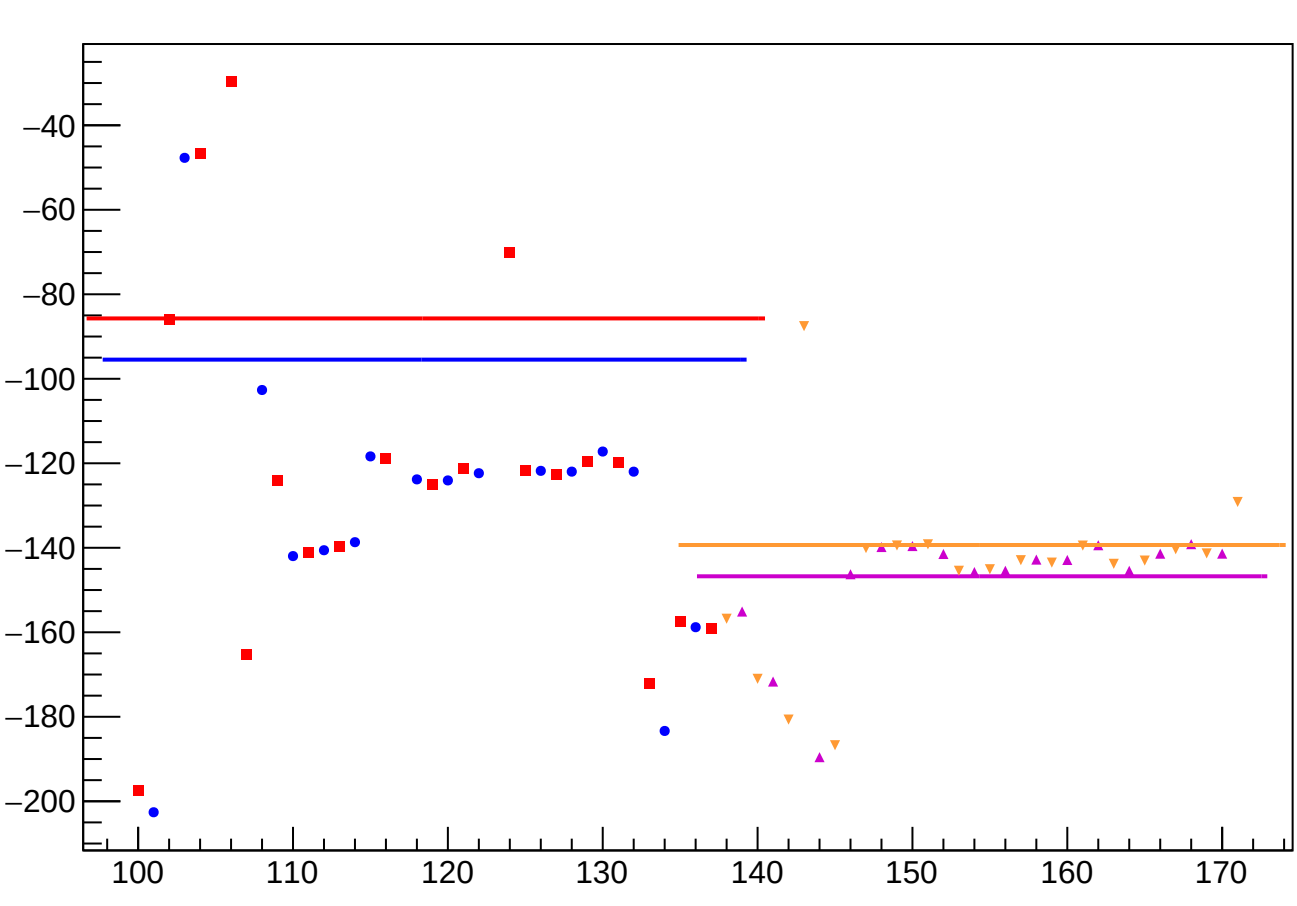
Left: 54.117+/-0.750 χ^2/NDF: 706.0/33

Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.542+/-0.870 χ^2/NDF:627.7/31

Out: 46.057+/-0.804 χ^2/NDF:739.9/36

All: 48.121+/-0.590 χ^2/NDF: 1381.9/68



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: -146.748+/-0.052 χ^2/NDF:52957.0/15

Left: -142.814+/-0.035 χ^2/NDF: 298216.3/33

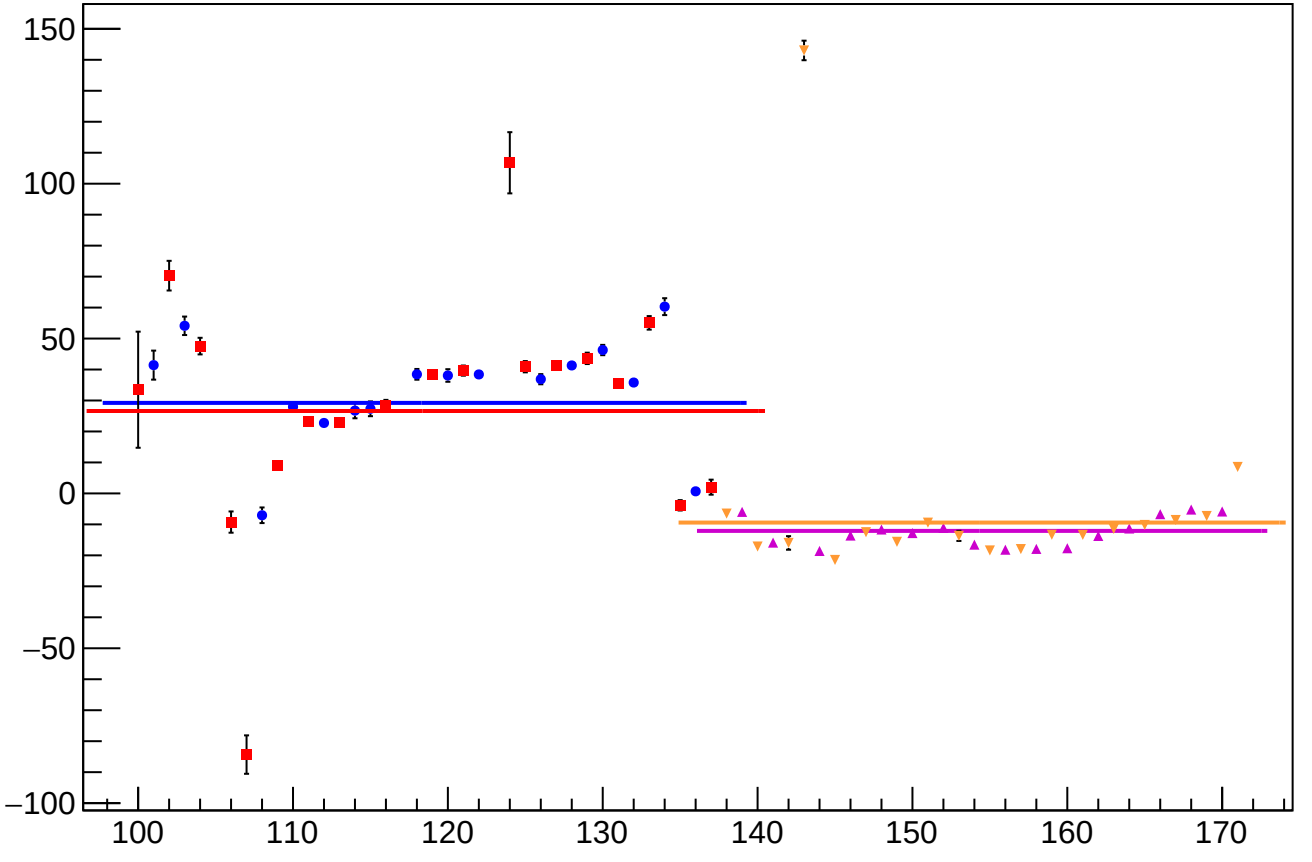
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.507+/-0.041 χ^2/NDF:924147.8/31

Out: -120.905+/-0.039 χ^2/NDF:1137944.7/36

All: -124.502+/-0.028 χ^2/NDF: 2079833.5/68

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: -12.101+/-0.357 χ^2/NDF:167.6/15

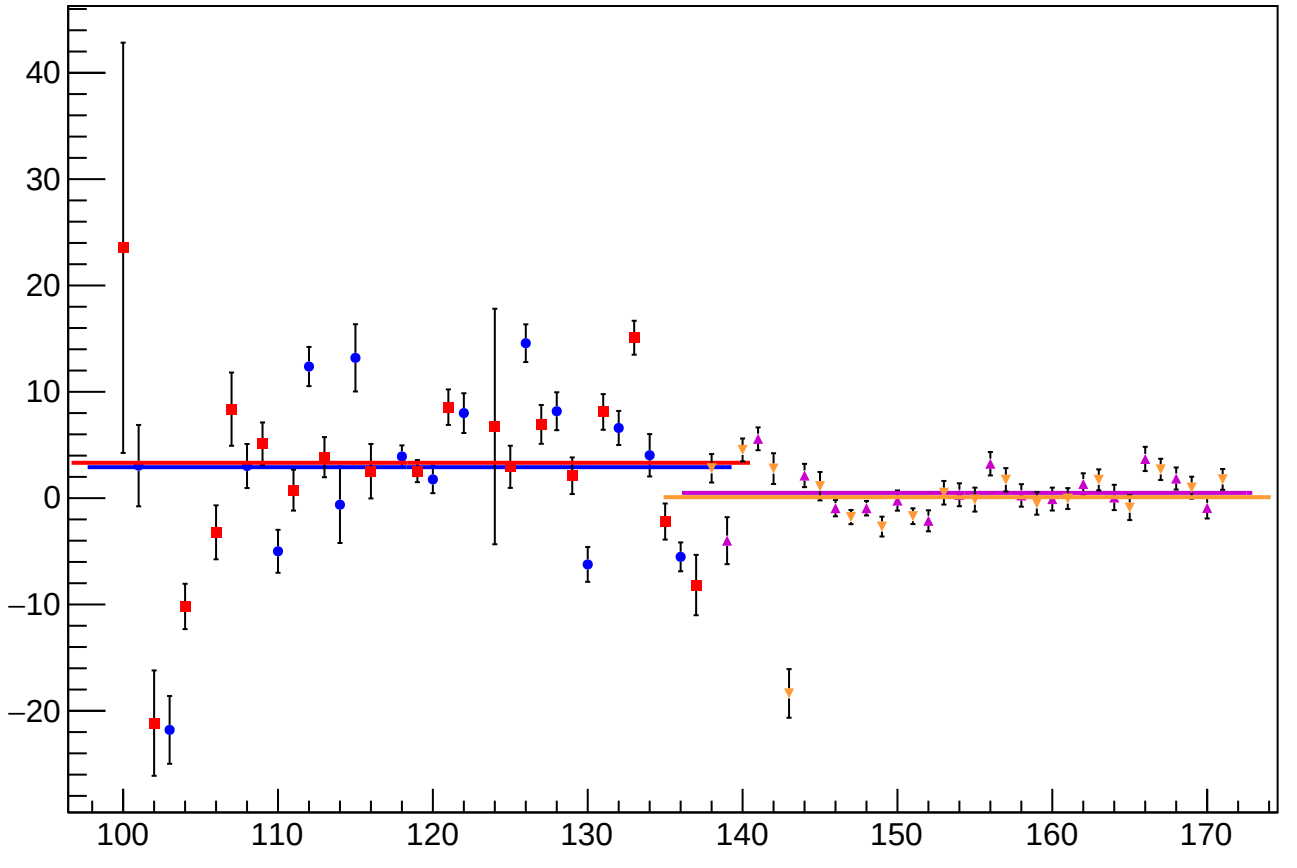
Left: -10.731+/-0.250 χ^2/NDF: 2938.5/33

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.032+/-0.273 χ^2/NDF:7066.1/31

Out: 5.633+/-0.268 χ^2/NDF:9068.8/36

All: 5.339+/-0.191 χ^2/NDF: 16137.4/68



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: 0.496+/-0.252 χ^2/NDF:63.3/15

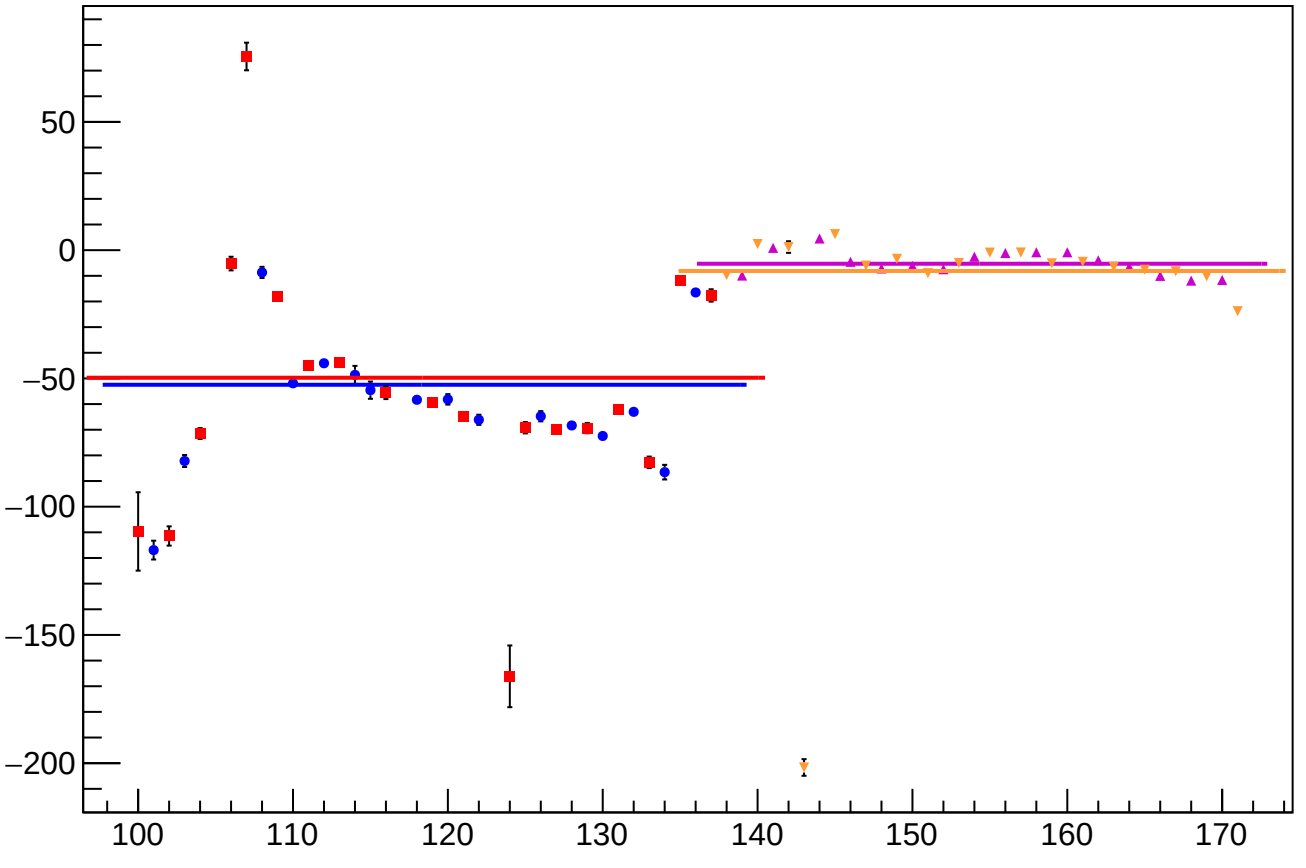
Left: 0.286+/-0.175 χ^2/NDF: 194.1/33

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.088+/-0.219 χ^2/NDF:335.8/31

Out: 0.812+/-0.214 χ^2/NDF:350.7/36

All: 0.947+/-0.153 χ^2/NDF: 687.3/68



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: -5.290+/-0.348 χ^2/NDF:166.4/15

Left: -6.723+/-0.244 χ^2/NDF: 4146.1/33

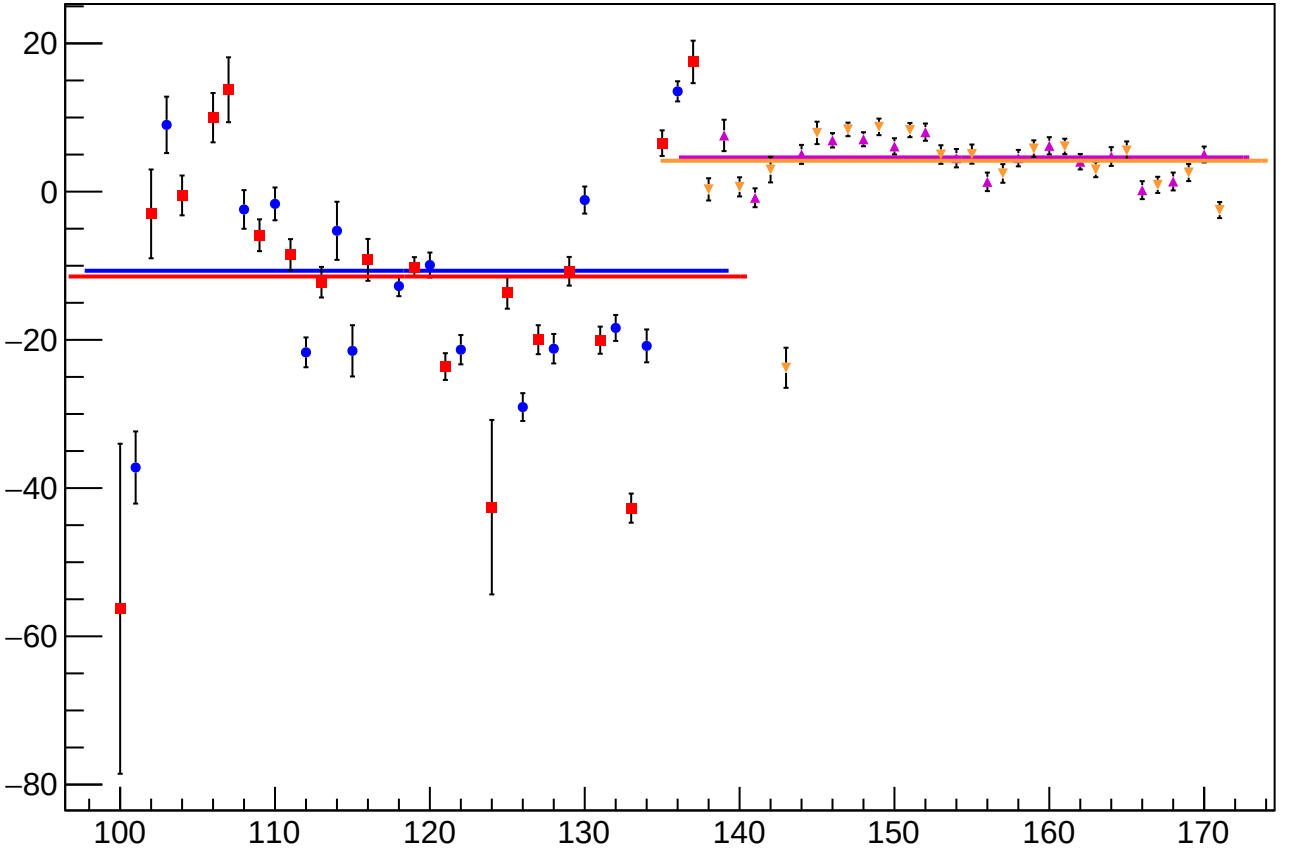
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.176+/-0.283 χ^2/NDF:8701.0/31

Out: -21.619+/-0.281 χ^2/NDF:11750.0/36

All: -21.399+/-0.200 χ^2/NDF: 20452.3/68

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 4.171+/-0.281 χ^2/NDF:243.5/17

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 4.617+/-0.291 χ^2/NDF:72.8/15

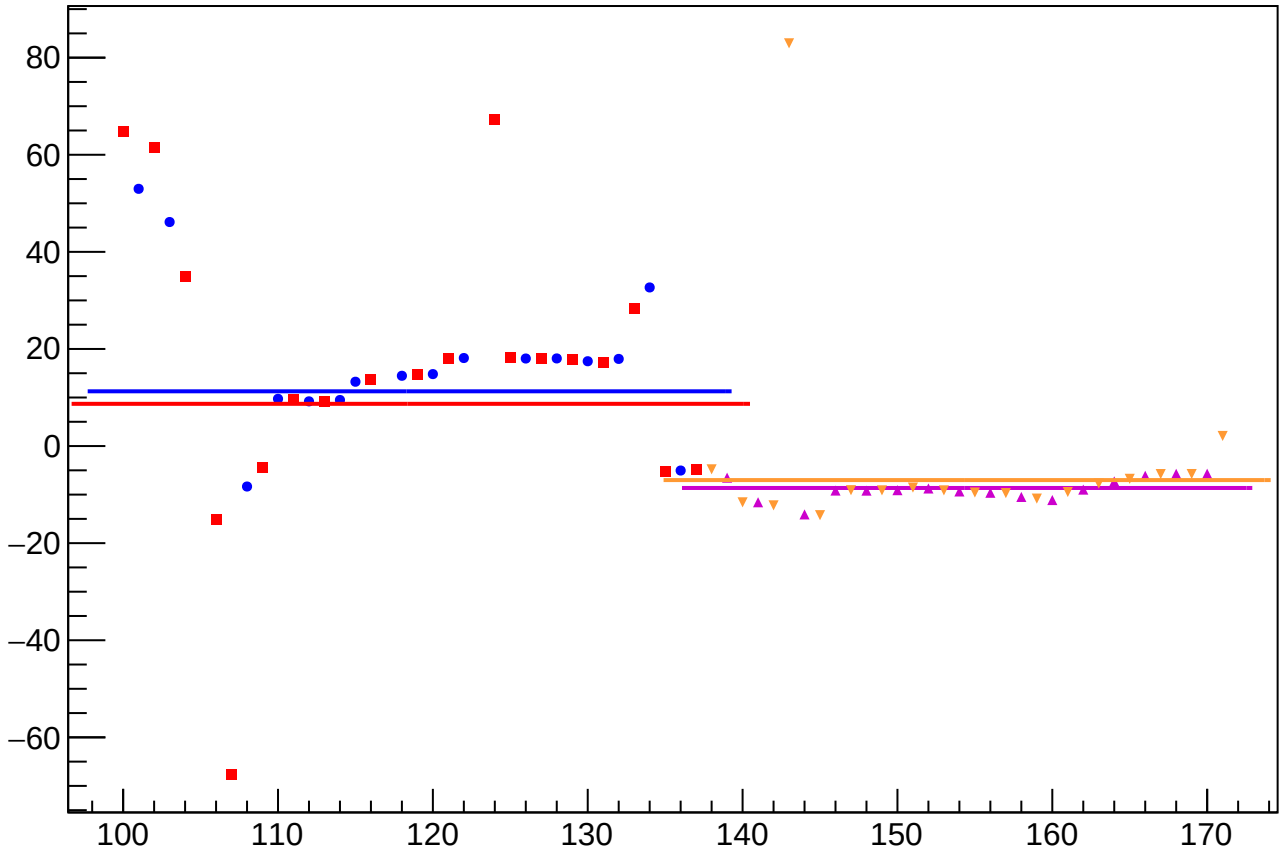
Left: 4.386+/-0.202 χ^2/NDF: 317.5/33

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.807+/-0.252 χ^2/NDF:1426.4/31

Out: 0.597+/-0.247 χ^2/NDF:1615.9/36

All: 0.700+/-0.176 χ^2/NDF: 3042.7/68



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: -8.634+/-0.013 χ^2/NDF:26041.0/15

Left: -7.808+/-0.009 χ^2/NDF: 565402.7/33

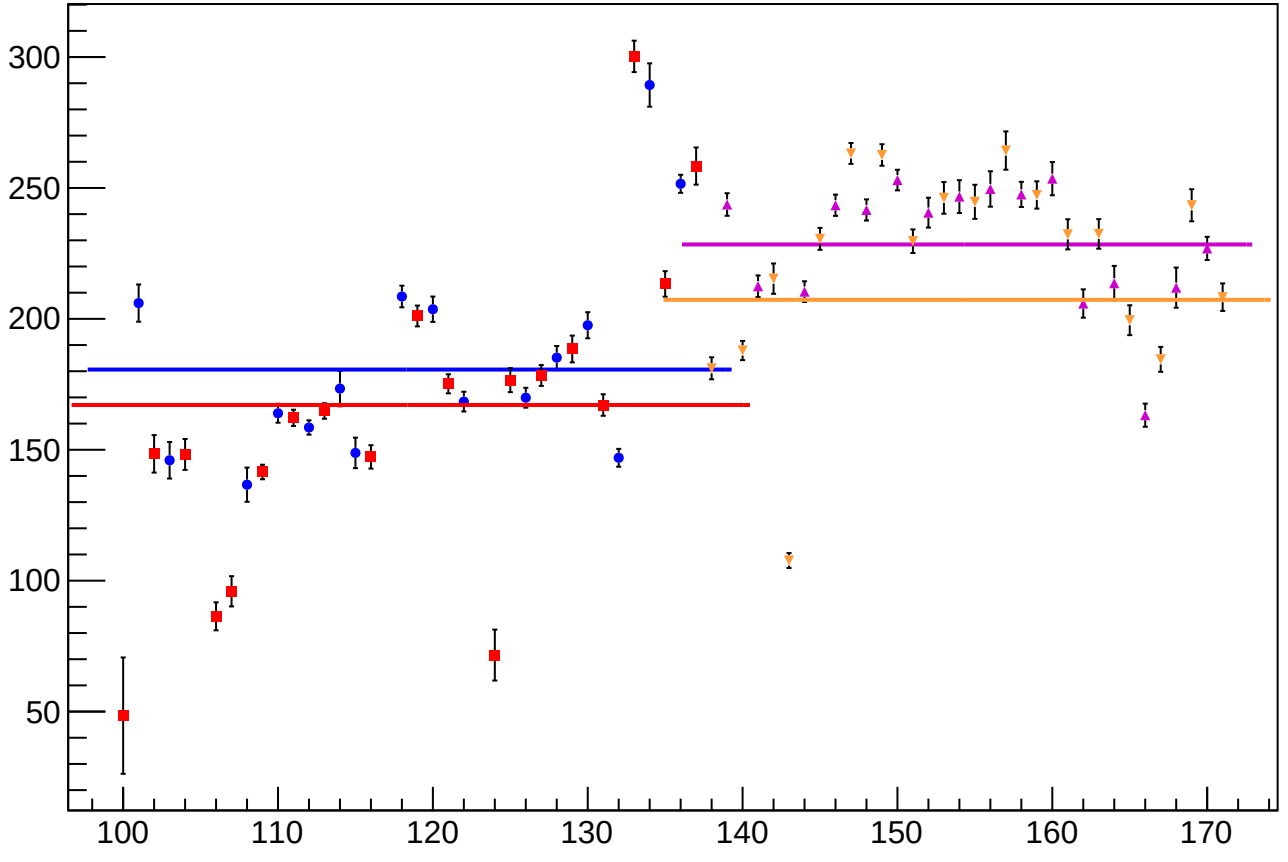
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.513+/-0.012 χ^2/NDF:748763.8/31

Out: -4.806+/-0.012 χ^2/NDF:1182269.6/36

All: -5.157+/-0.008 χ^2/NDF: 1932825.6/68

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 207.276+/-1.105 χ^2/NDF:2022.5/17

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 228.411+/-1.208 χ^2/NDF:410.4/15

Left: 216.902+/-0.815 χ^2/NDF: 2599.5/33

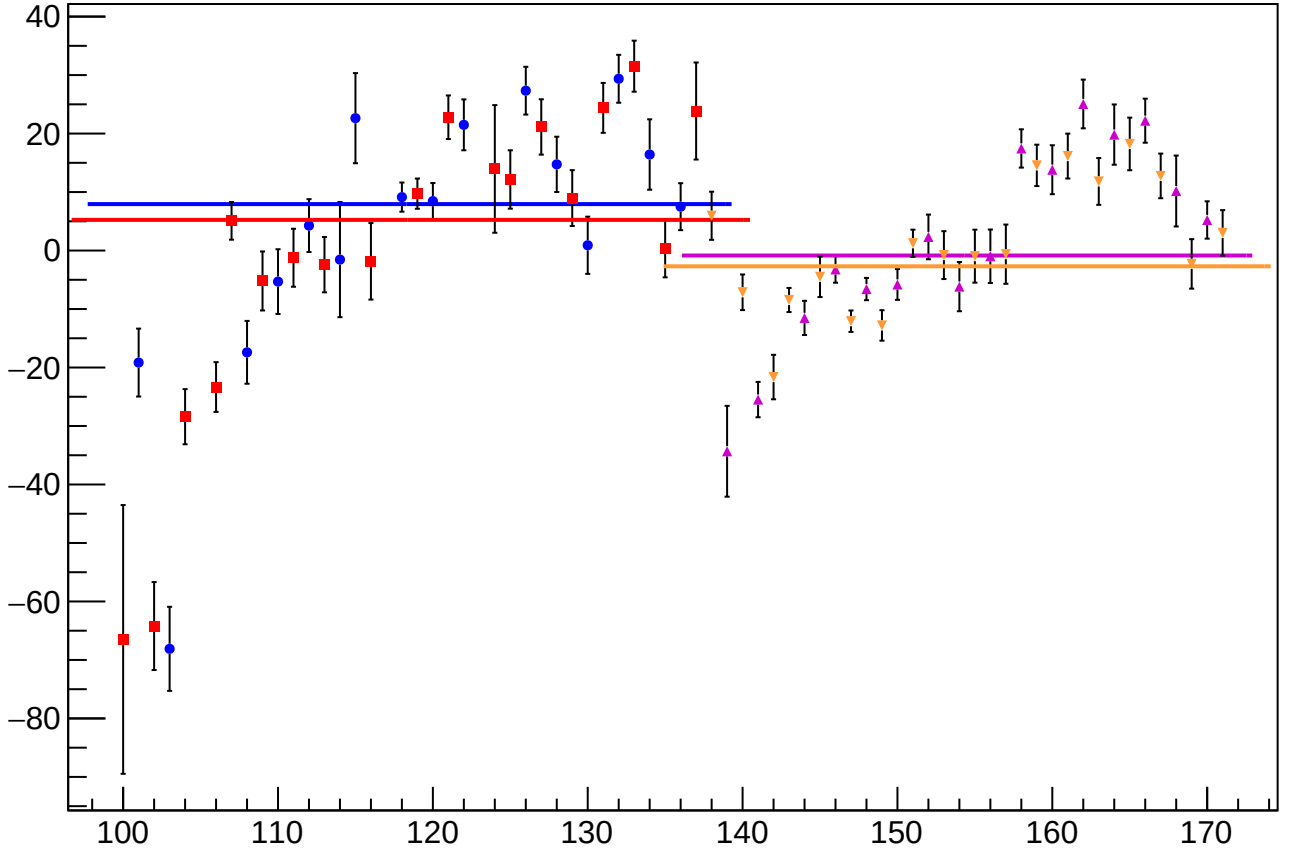
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.063+/-0.809 χ^2/NDF:2266.1/31

Out: 185.600+/-0.750 χ^2/NDF:4220.2/36

All: 193.205+/-0.550 χ^2/NDF: 6709.0/68

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: -0.850+/-0.825 χ^2/NDF:257.0/15

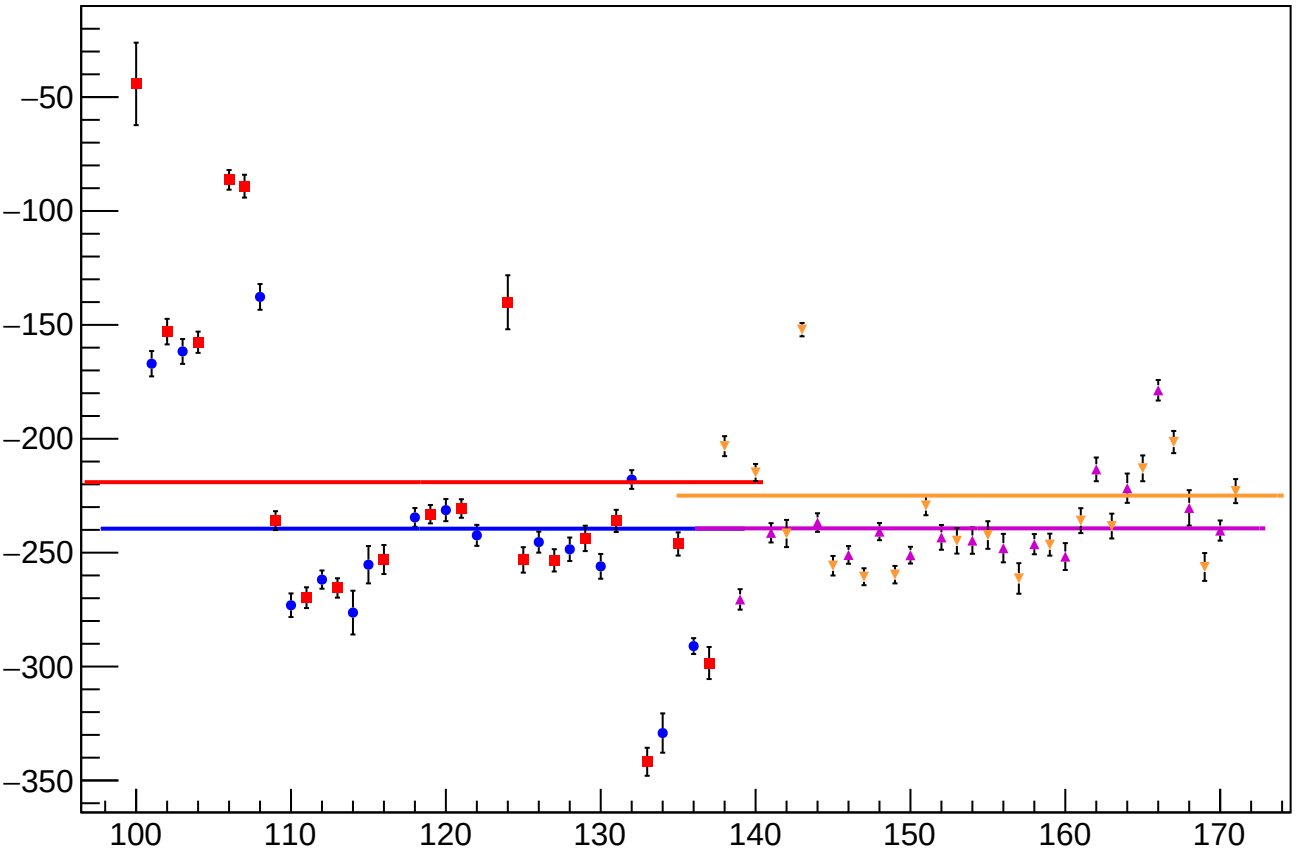
Left: -1.860+/-0.555 χ^2/NDF: 445.2/33

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.266+/-0.663 χ^2/NDF:530.2/31

Out: -0.057+/-0.612 χ^2/NDF:525.6/36

All: 1.013+/-0.450 χ^2/NDF: 1062.5/68



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: -239.335+/-1.177 χ^2/NDF:292.9/15

Left: -231.584+/-0.799 χ^2/NDF: 1394.5/33

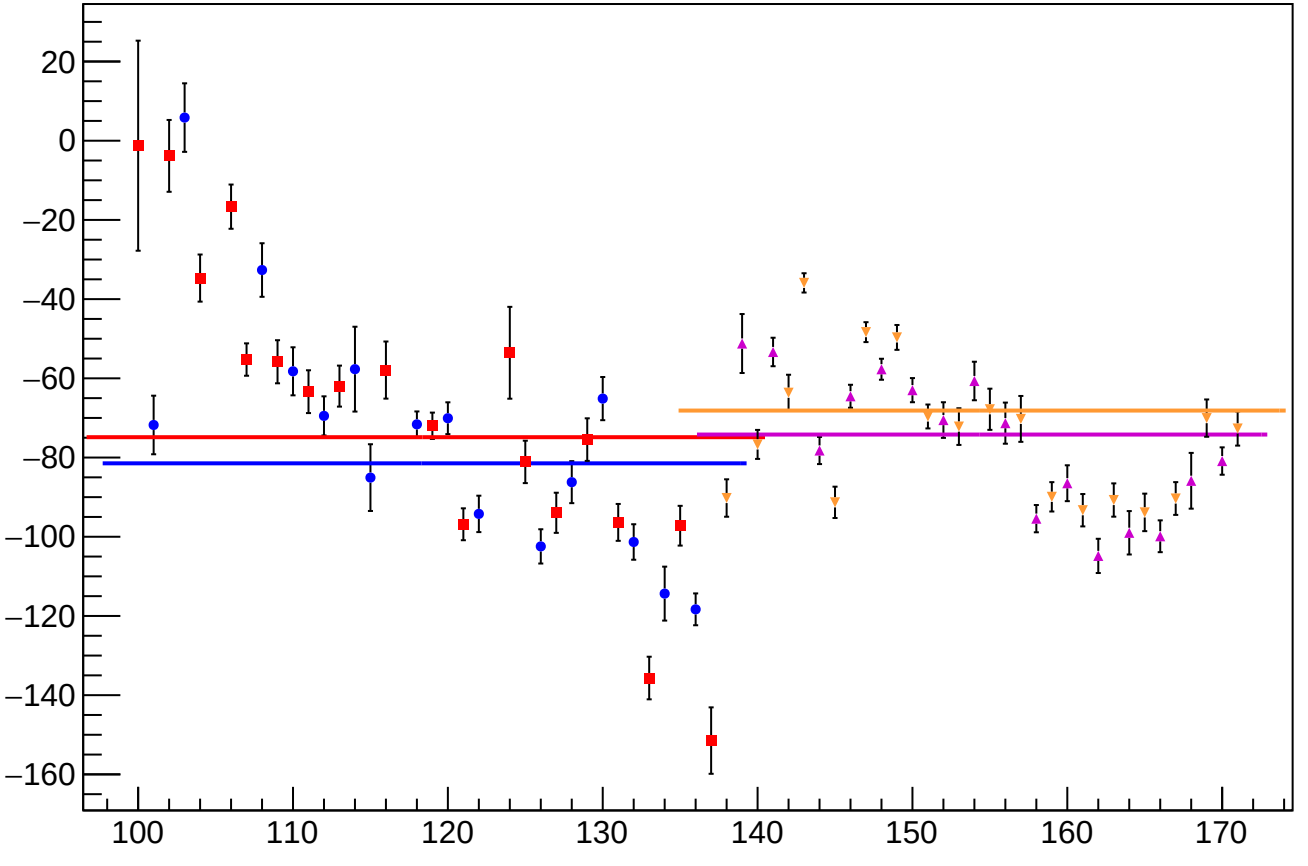
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.398+/-0.855 χ^2/NDF:1455.2/31

Out: -222.230+/-0.799 χ^2/NDF:4083.9/36

All: -230.229+/-0.584 χ^2/NDF: 5754.2/68

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: -74.193+/-0.970 χ^2/NDF:280.0/15

Left: -70.892+/-0.654 χ^2/NDF: 797.7/33

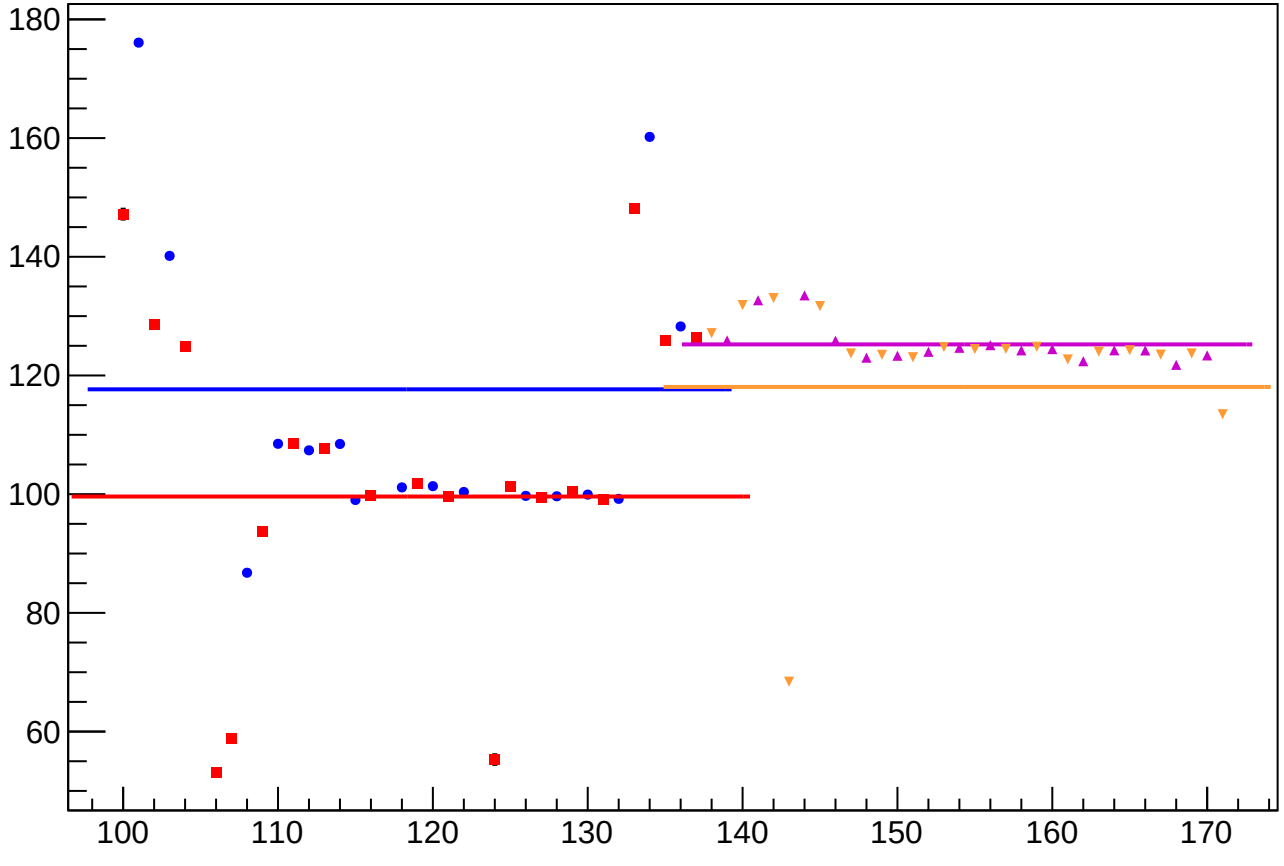
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.825+/-0.774 χ^2/NDF:666.9/31

Out: -70.433+/-0.719 χ^2/NDF:1092.7/36

All: -73.392+/-0.527 χ^2/NDF: 1796.1/68

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: 125.238+/-0.045 χ^2/NDF:4971.2/15

Left: 121.430+/-0.031 χ^2/NDF: 217299.7/33

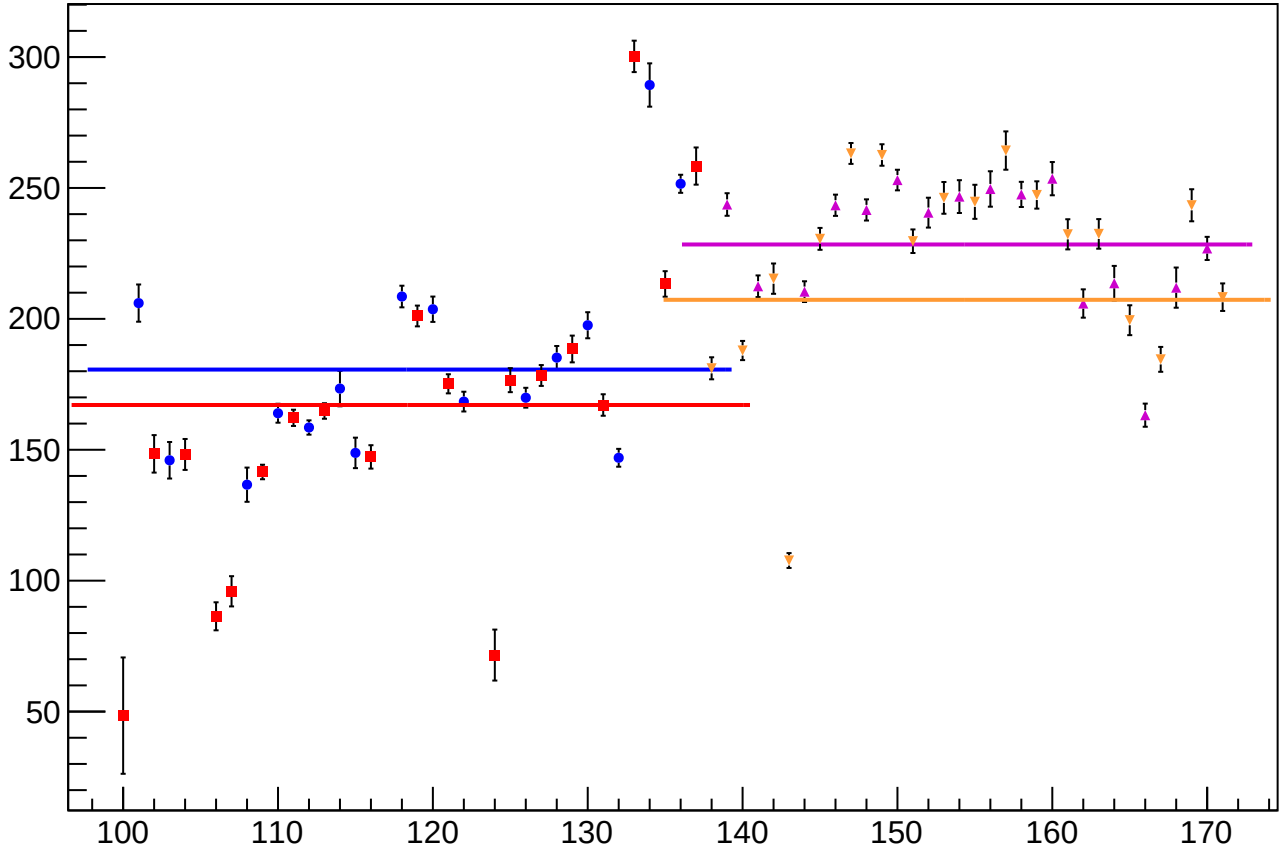
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.365+/-0.039 χ^2/NDF:107416.1/31

Out: 113.188+/-0.036 χ^2/NDF:415739.0/36

All: 117.901+/-0.026 χ^2/NDF: 559874.8/68

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: 228.411+/-1.208 χ^2/NDF:410.4/15

Left: 216.902+/-0.815 χ^2/NDF: 2599.5/33

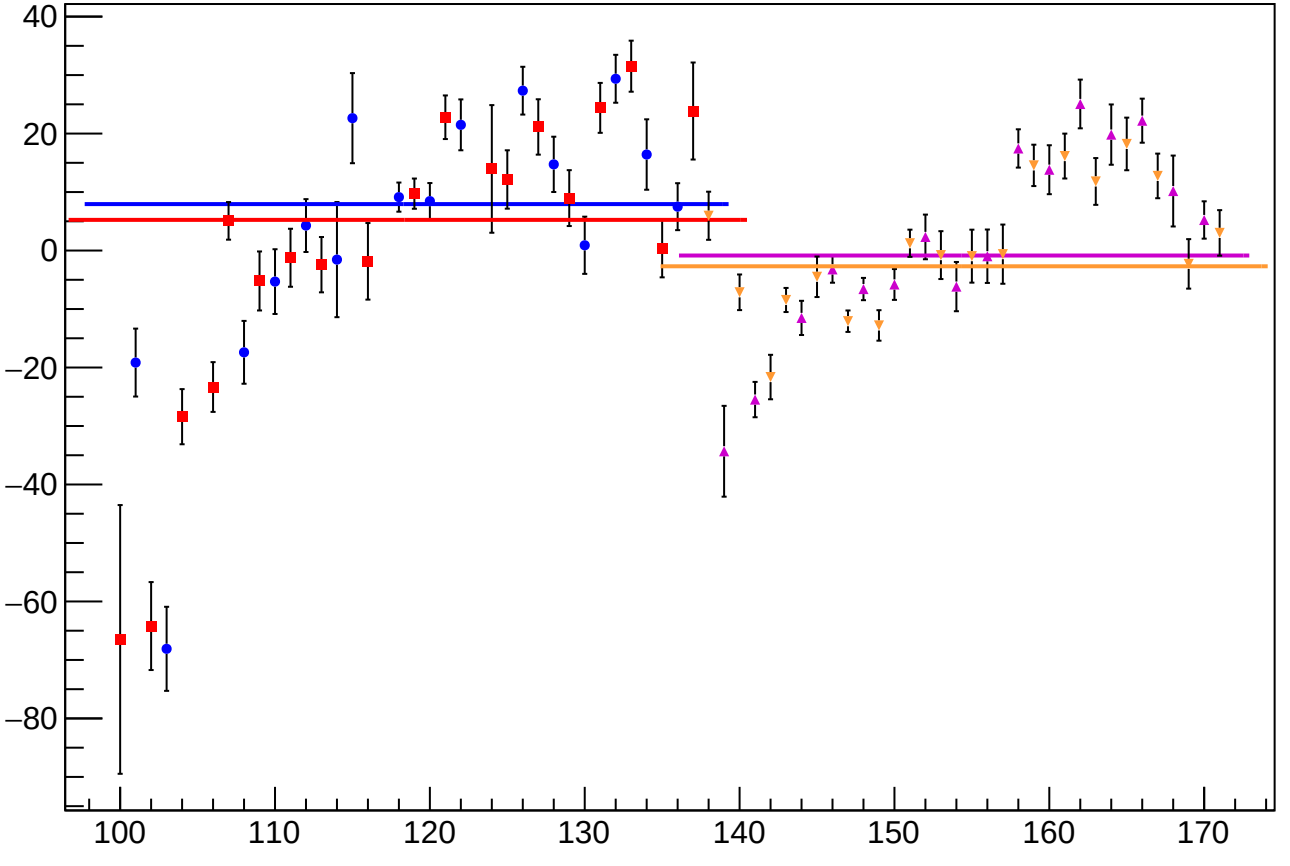
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 202.063+/-0.809 χ^2/NDF:2266.1/31

Out: 185.600+/-0.750 χ^2/NDF:4220.2/36

All: 193.205+/-0.550 χ^2/NDF: 6709.0/68

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -2.692+/-0.749 χ^2/NDF:185.4/17

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.850+/-0.825 χ^2/NDF:257.0/15

Left: -1.860+/-0.555 χ^2/NDF: 445.2/33

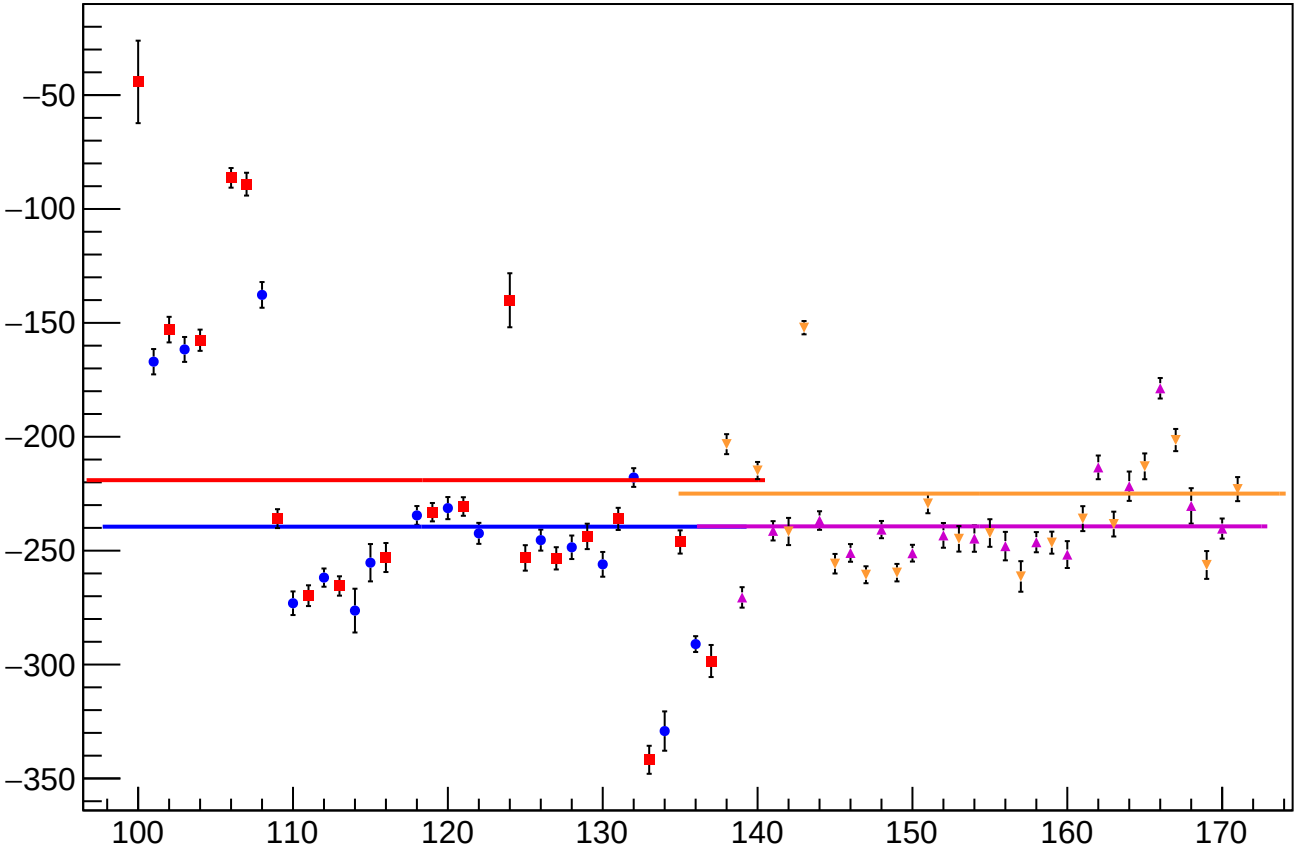
Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.266+/-0.663 χ^2/NDF:530.2/31

Out: -0.057+/-0.612 χ^2/NDF:525.6/36

All: 1.013+/-0.450 χ^2/NDF: 1062.5/68

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -224.951+/-1.089 χ^2/NDF:1021.0/17

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -239.335+/-1.177 χ^2/NDF:292.9/15

Left: -231.584+/-0.799 χ^2/NDF: 1394.5/33

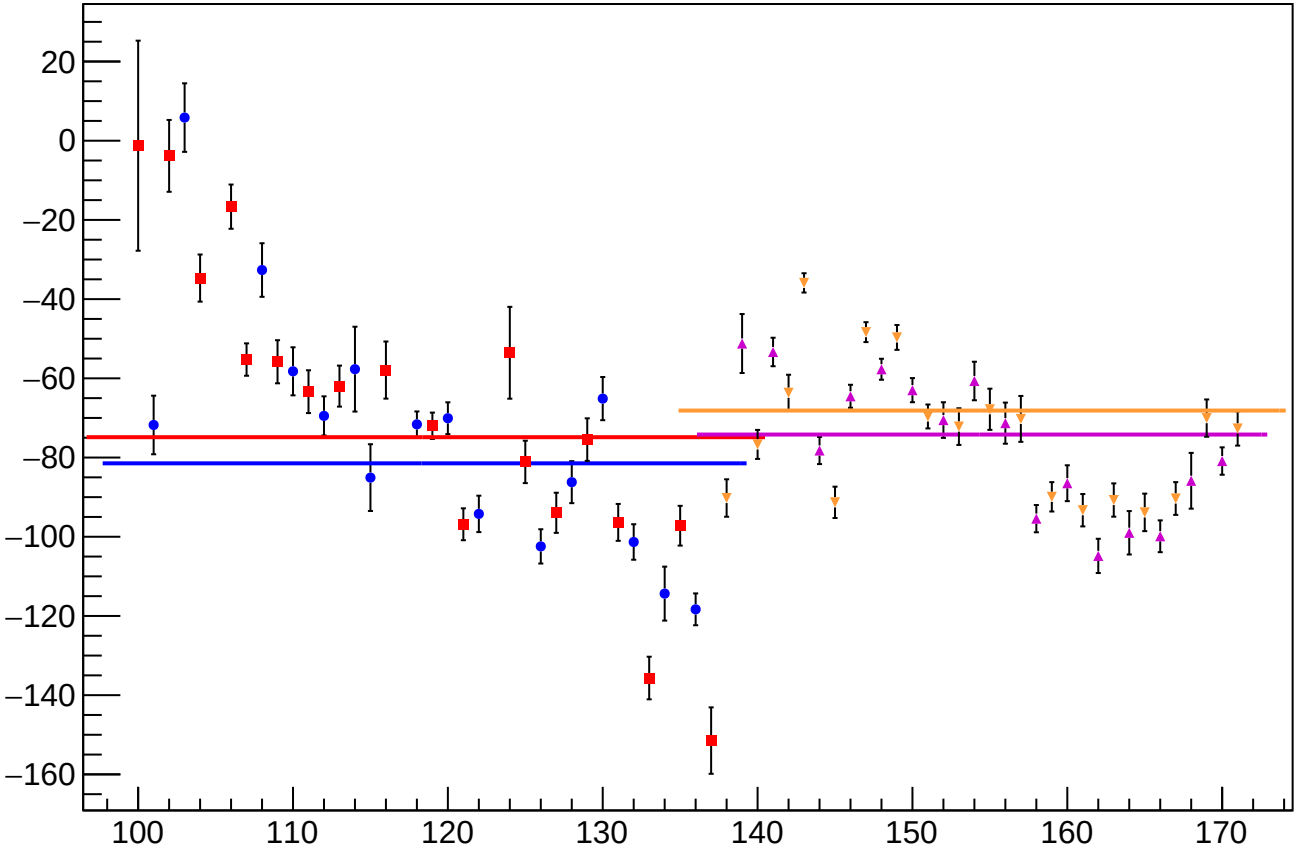
Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -239.398+/-0.855 χ^2/NDF:1455.2/31

Out: -222.230+/-0.799 χ^2/NDF:4083.9/36

All: -230.229+/-0.584 χ^2/NDF: 5754.2/68

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: -74.193+/-0.970 χ^2/NDF:280.0/15

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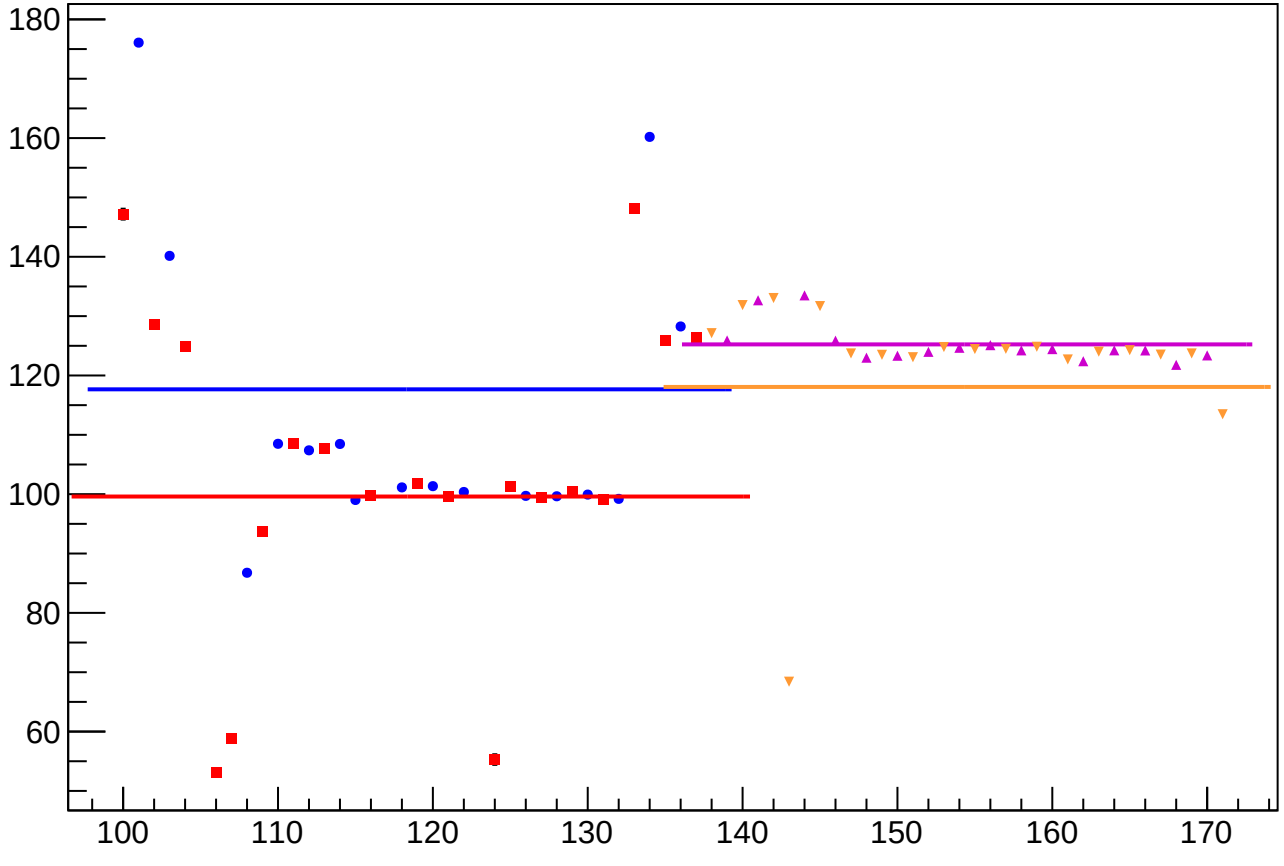
In: -76.825+/-0.774 χ^2/NDF:666.9/31

Out: -70.433+/-0.719 χ^2/NDF:1092.7/36

All: -73.392+/-0.527 χ^2/NDF: 1796.1/68

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: 125.238+/-0.045 χ^2/NDF:4971.2/15

Left: 121.430+/-0.031 χ^2/NDF: 217299.7/33

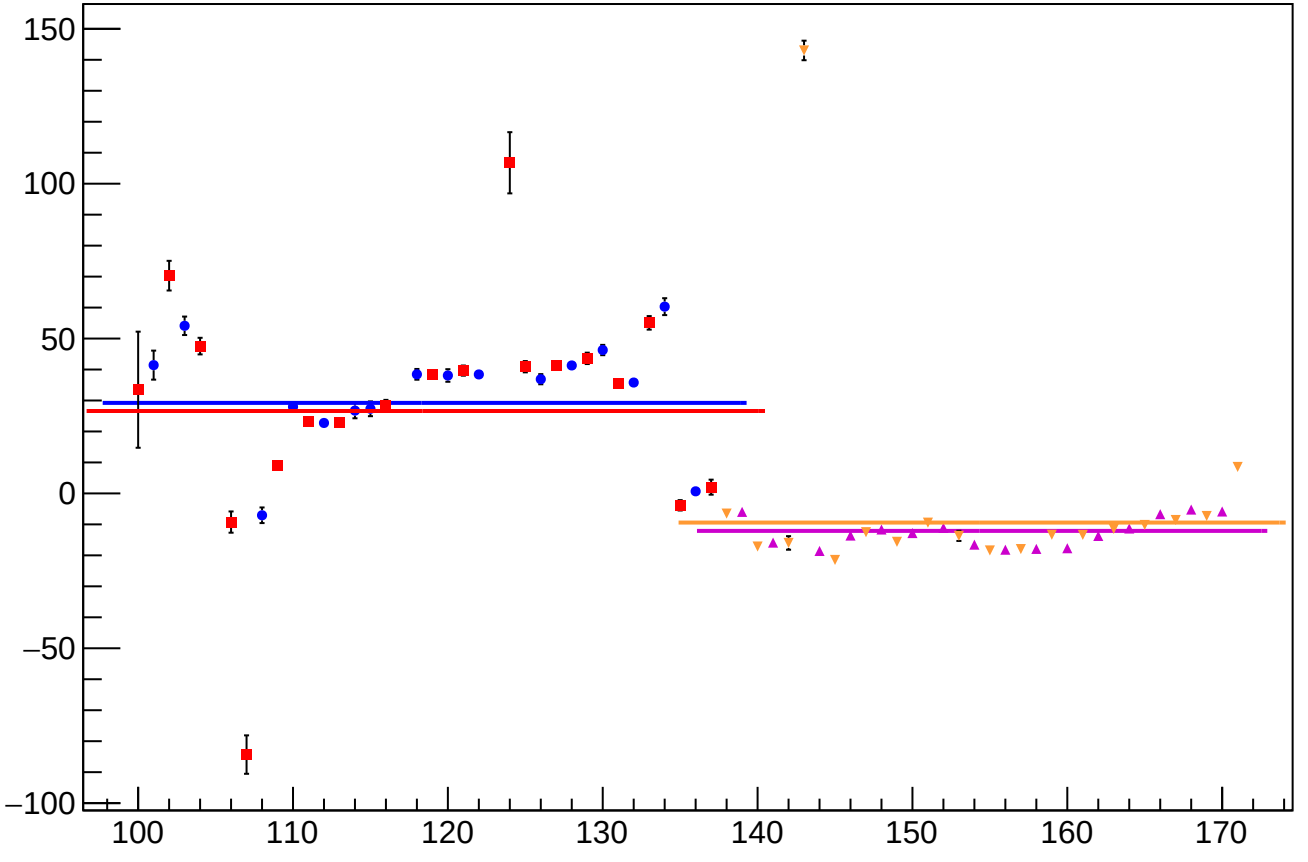
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 123.365+/-0.039 χ^2/NDF:107416.1/31

Out: 113.188+/-0.036 χ^2/NDF:415739.0/36

All: 117.901+/-0.026 χ^2/NDF: 559874.8/68

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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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: -12.101+/-0.357 χ^2/NDF:167.6/15

Left: -10.731+/-0.250 χ^2/NDF: 2938.5/33

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.032+/-0.273 χ^2/NDF:7066.1/31

Out: 5.633+/-0.268 χ^2/NDF:9068.8/36

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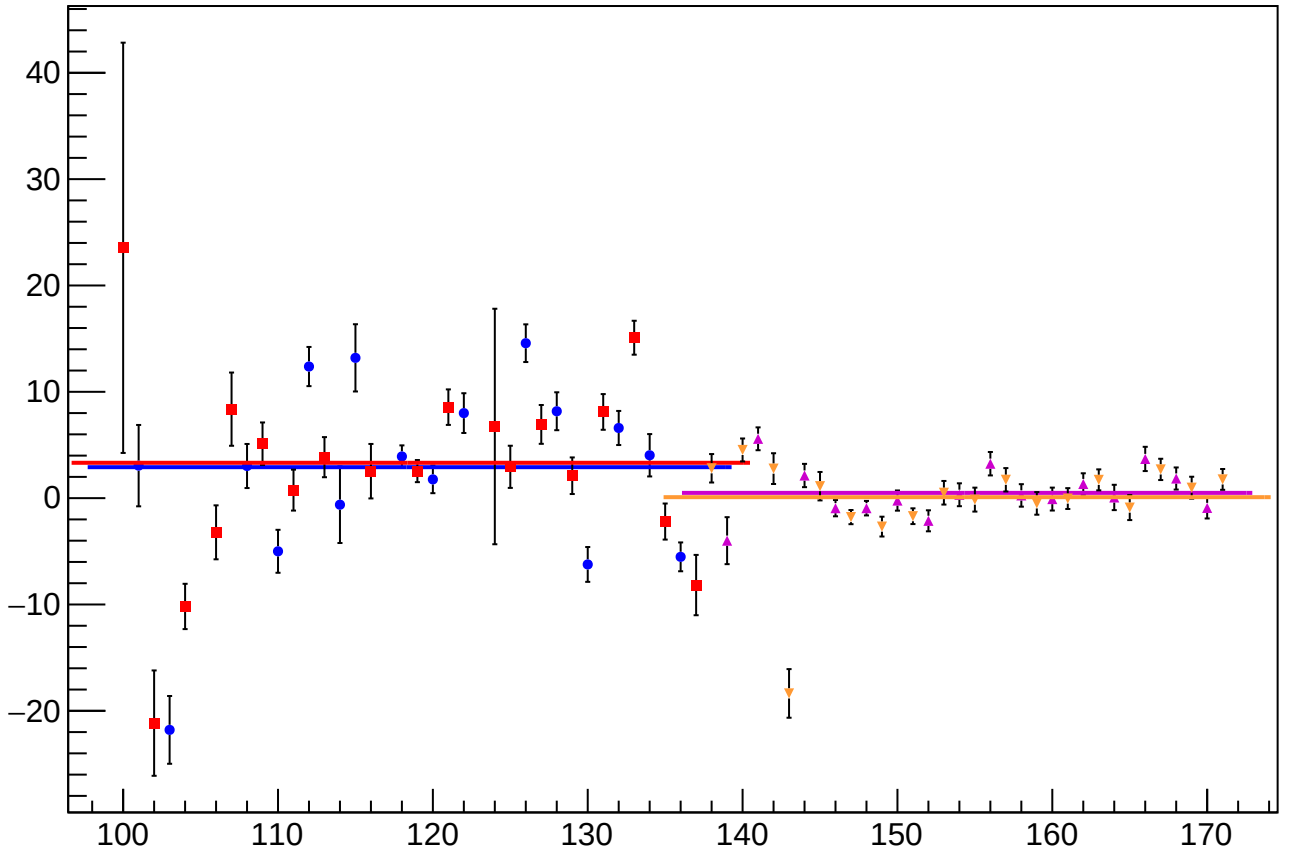

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Left Out: 0.092+/-0.243 χ^2/NDF:129.4/17

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.496+/-0.252 χ^2/NDF:63.3/15

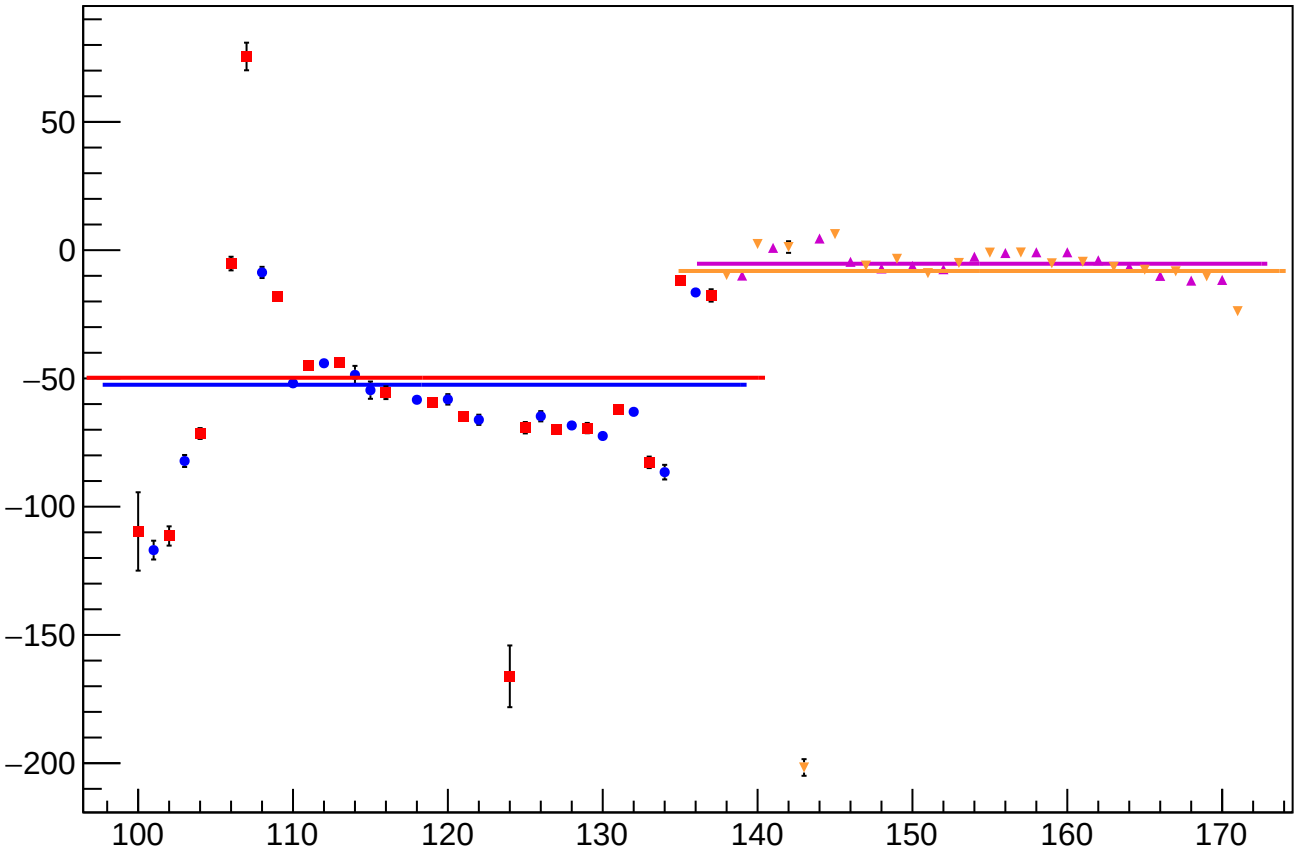
Left: 0.286+/-0.175 χ^2/NDF: 194.1/33

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.088+/-0.219 χ^2/NDF:335.8/31

Out: 0.812+/-0.214 χ^2/NDF:350.7/36

All: 0.947+/-0.153 χ^2/NDF: 687.3/68



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: -5.290+/-0.348 χ^2/NDF:166.4/15

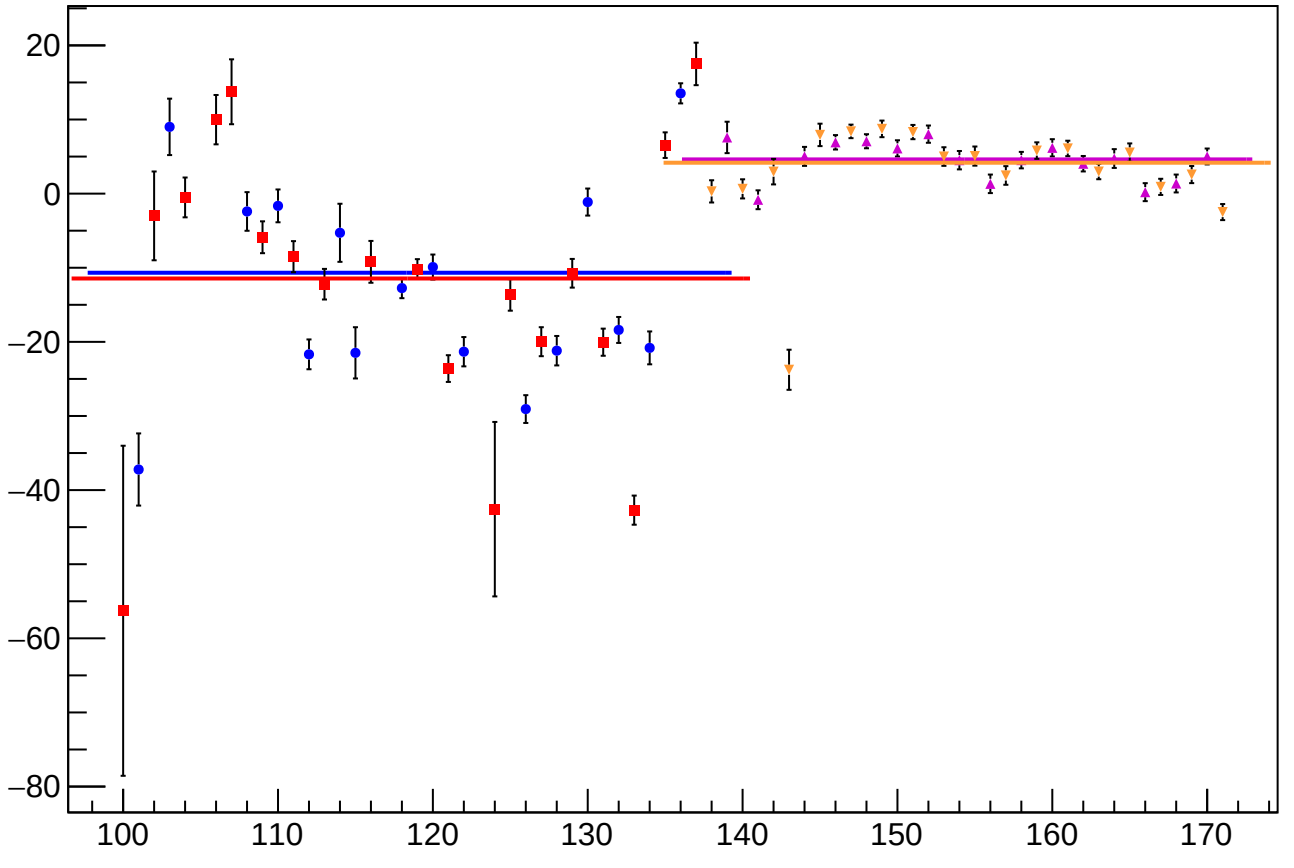
Left: -6.723+/-0.244 χ^2/NDF: 4146.1/33

Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.176+/-0.283 χ^2/NDF:8701.0/31

Out: -21.619+/-0.281 χ^2/NDF:11750.0/36

All: -21.399+/-0.200 χ^2/NDF: 20452.3/68



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: 4.617+/-0.291 χ^2/NDF:72.8/15

Left: 4.386+/-0.202 χ^2/NDF: 317.5/33

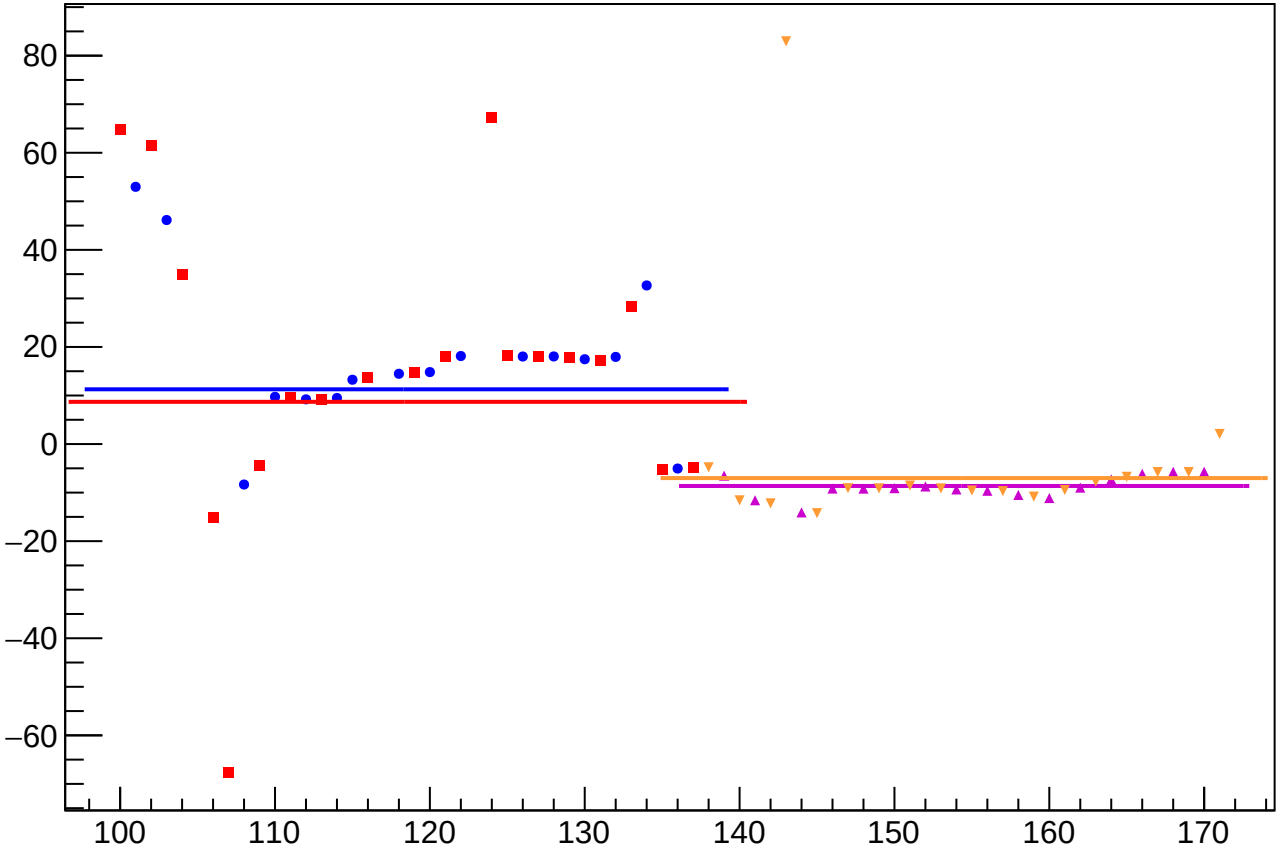
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.807+/-0.252 χ^2/NDF:1426.4/31

Out: 0.597+/-0.247 χ^2/NDF:1615.9/36

All: 0.700+/-0.176 χ^2/NDF: 3042.7/68

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -7.008+/-0.013 χ^2/NDF:531289.9/17

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -8.634+/-0.013 χ^2/NDF:26041.0/15

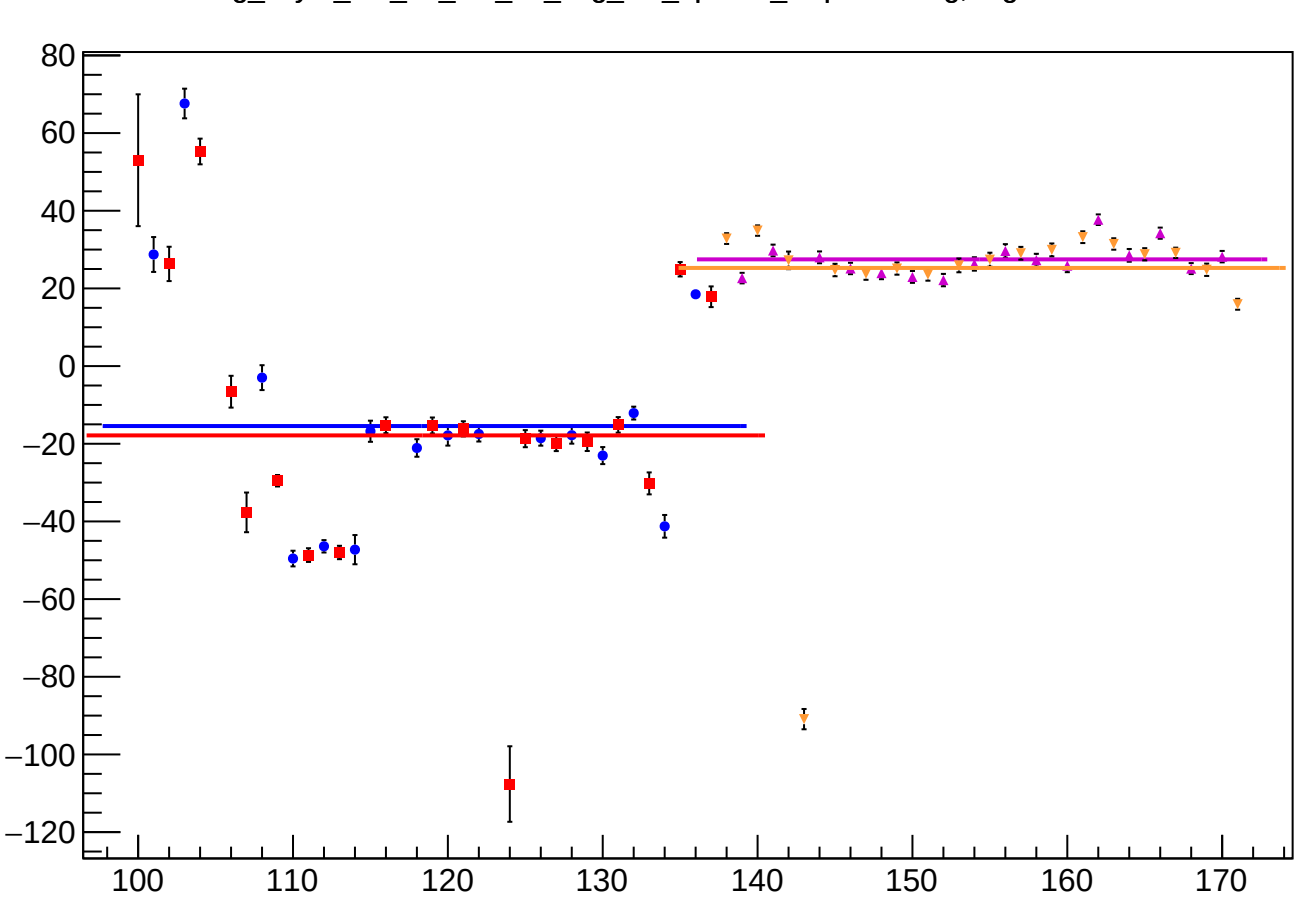
Left: -7.808+/-0.009 χ^2/NDF: 565402.7/33

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -5.513+/-0.012 χ^2/NDF:748763.8/31

Out: -4.806+/-0.012 χ^2/NDF:1182269.6/36

All: -5.157+/-0.008 χ^2/NDF: 1932825.6/68



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: 27.481+/-0.382 χ^2/NDF:127.3/15

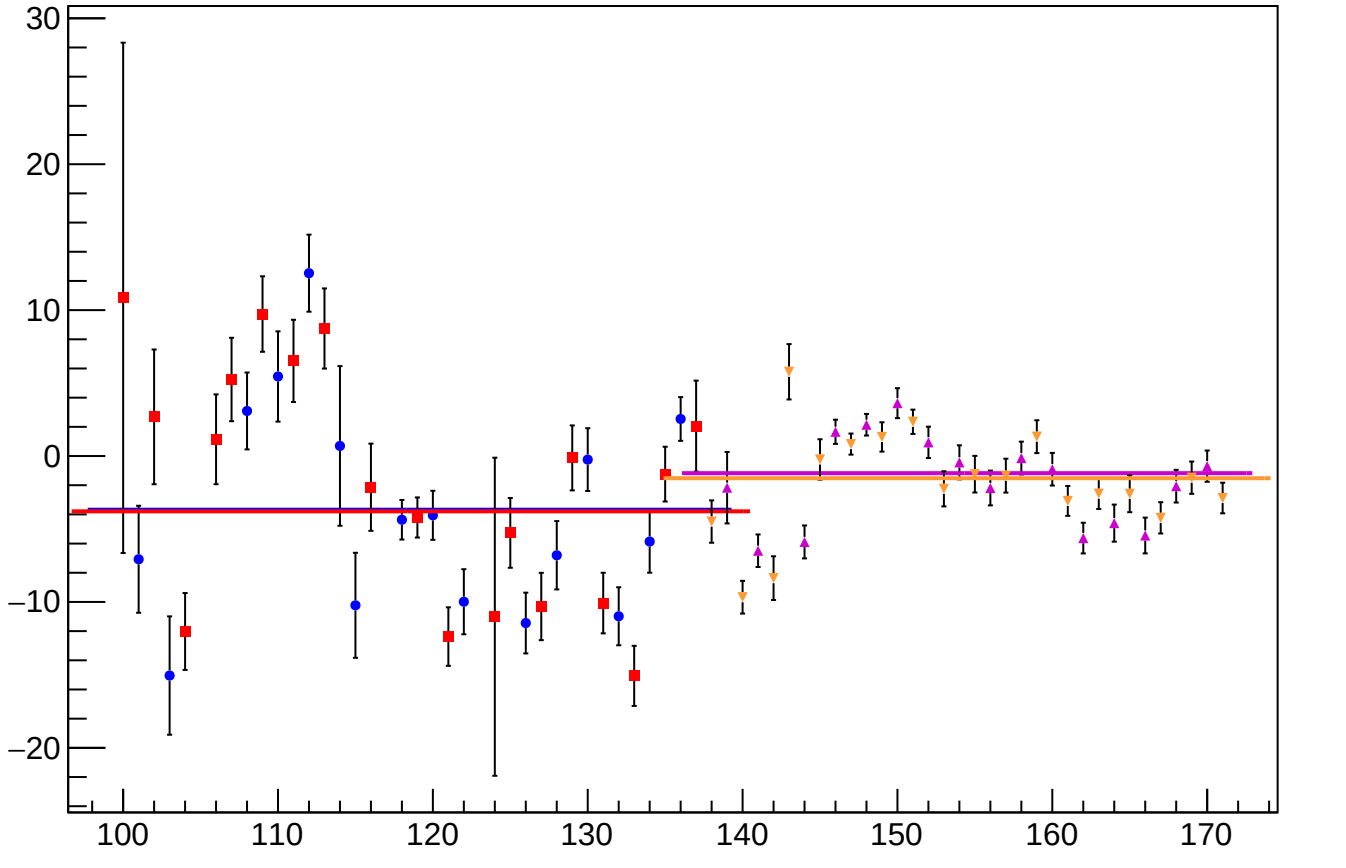
Left: 26.354+/-0.268 χ^2/NDF: 2323.5/33

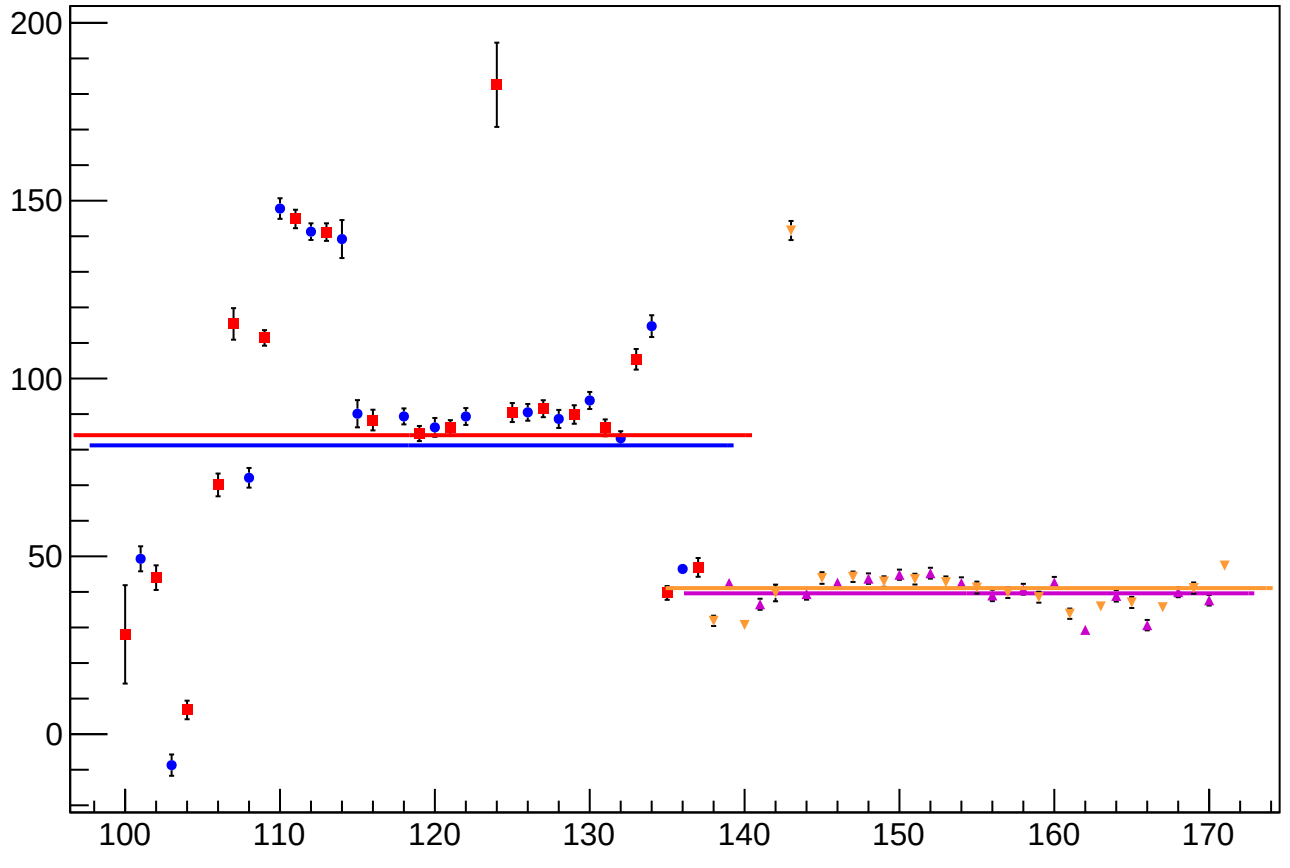
Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 13.108+/-0.312 χ^2/NDF:6468.0/31

Out: 10.904+/-0.306 χ^2/NDF:8724.4/36

All: 11.984+/-0.218 χ^2/NDF: 15217.8/68


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: -1.174+/-0.270 χ²/NDF:138.0/15
Left: -1.354+/-0.187 χ²/NDF: 291.5/33
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.657+/-0.242 χ²/NDF:278.6/31
Out: -1.919+/-0.236 χ²/NDF:327.2/36
All: -1.791+/-0.169 χ²/NDF: 606.4/68



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: 39.603+/-0.372 χ^2/NDF:156.5/15

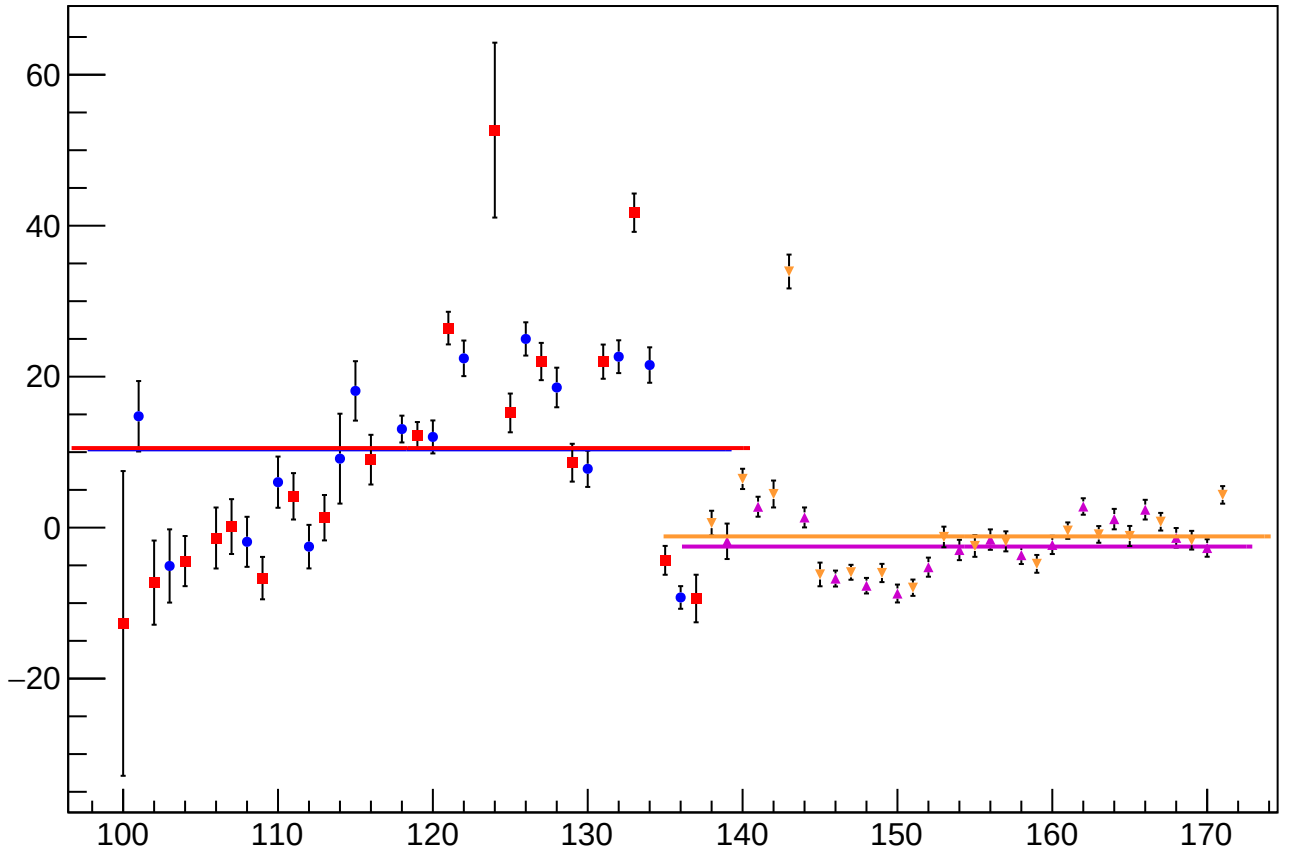
Left: 40.350+/-0.261 χ^2/NDF: 1758.9/33

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 50.976+/-0.317 χ^2/NDF:6799.3/31

Out: 52.279+/-0.315 χ^2/NDF:8399.1/36

All: 51.633+/-0.223 χ^2/NDF: 15206.9/68



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: -2.508+/-0.311 χ^2/NDF:145.4/15

Left: -1.811+/-0.216 χ^2/NDF: 569.1/33

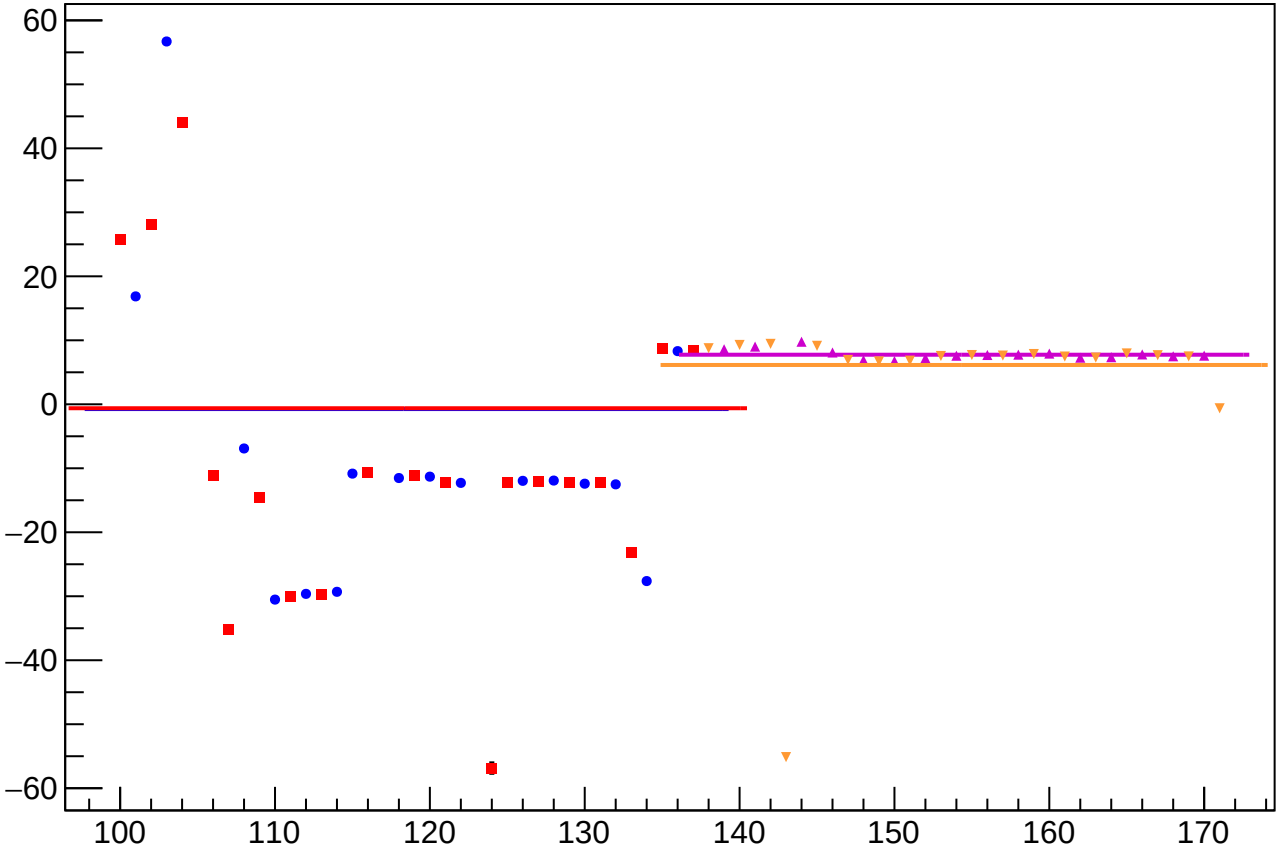
Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.042+/-0.279 χ^2/NDF:843.9/31

Out: 0.950+/-0.272 χ^2/NDF:1158.5/36

All: 0.507+/-0.195 χ^2/NDF: 2007.8/68

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: 7.746+/-0.014 χ^2/NDF:2330.1/15

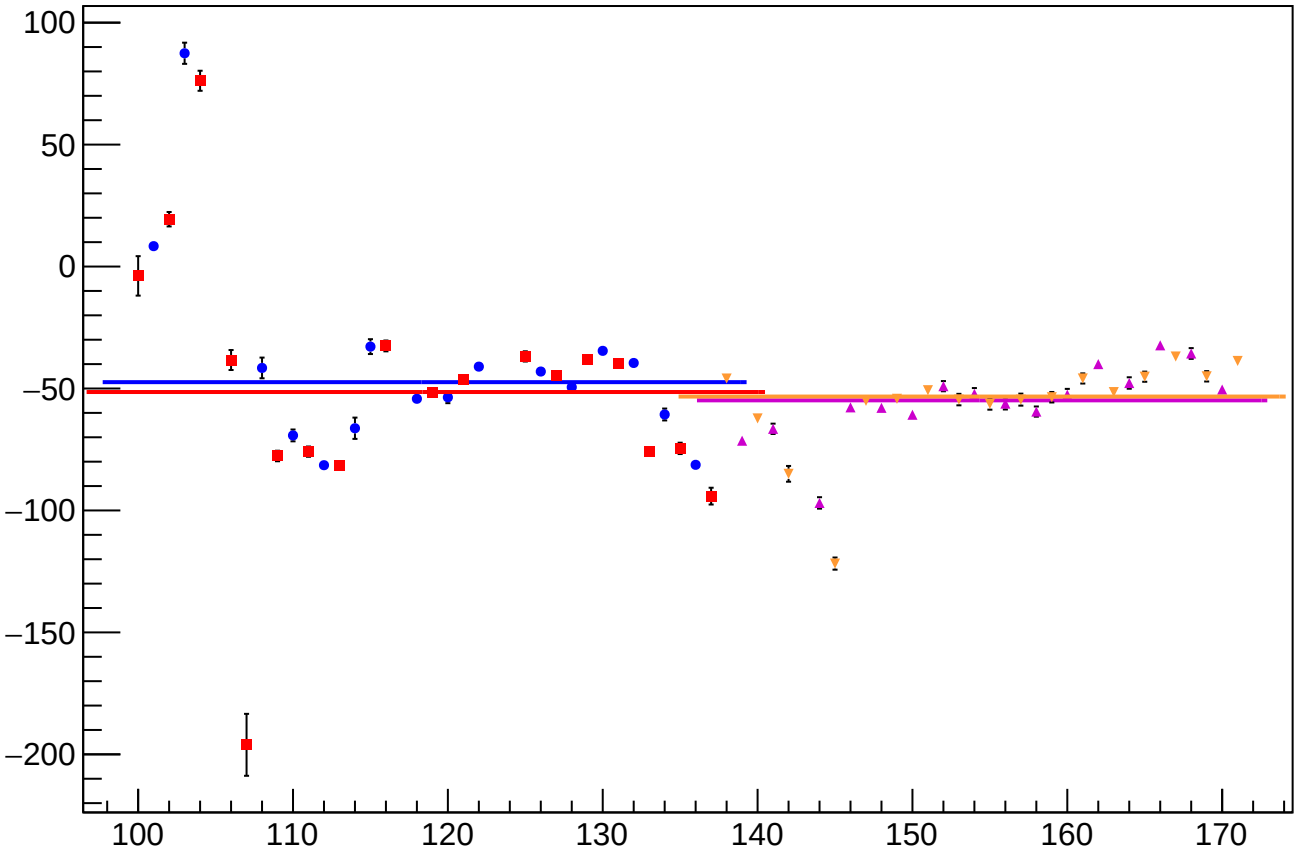
Left: 6.930+/-0.010 χ^2/NDF: 345627.8/33

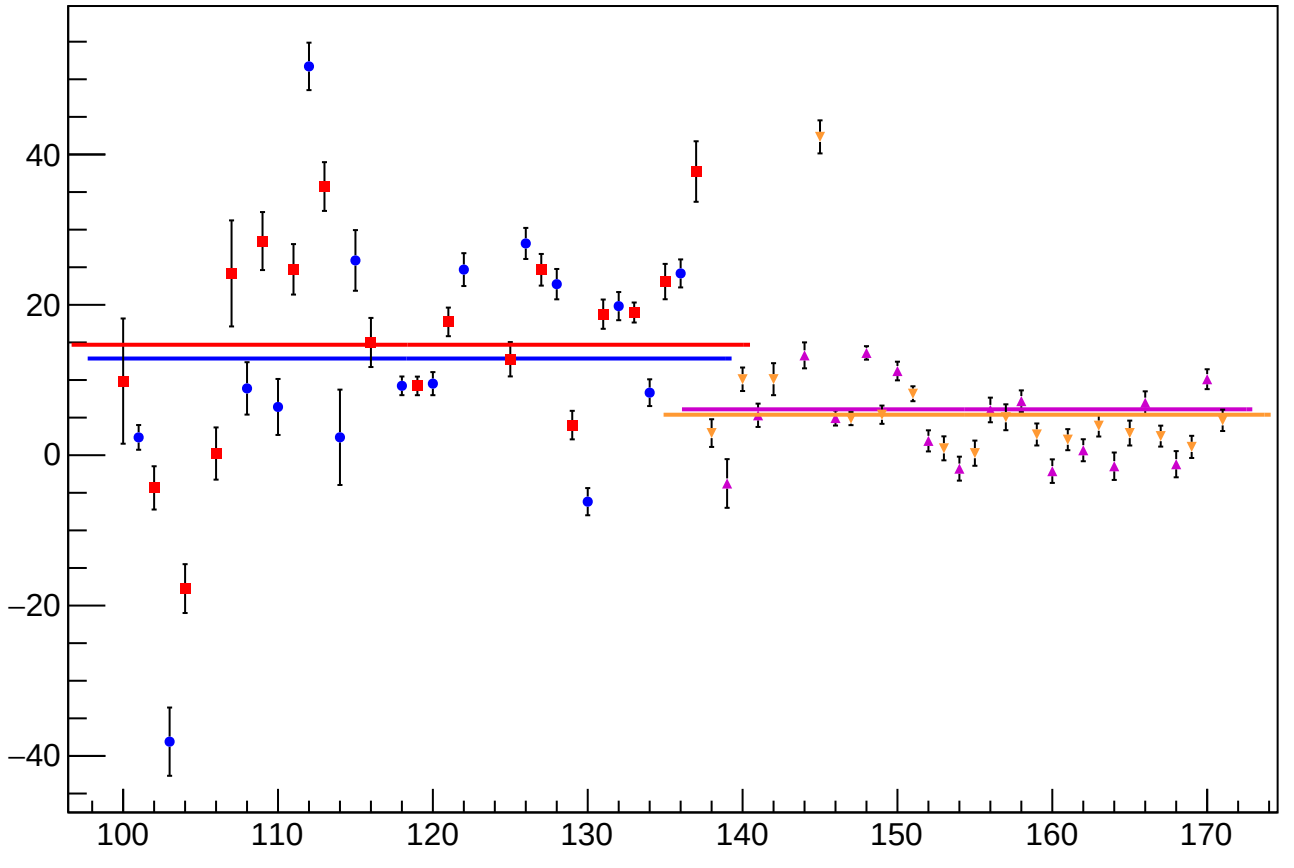
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 6.646+/-0.013 χ^2/NDF:419073.9/31

Out: 5.353+/-0.013 χ^2/NDF:681938.0/36

All: 5.992+/-0.009 χ^2/NDF: 1106084.5/68


reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -47.398+/-0.535 χ²/NDF: 2769.0/15
Left Out: -53.302+/-0.503 χ²/NDF:1087.5/16
Right Out: -51.442+/-0.545 χ²/NDF: 2872.7/17
Left In: -54.857+/-0.509 χ²/NDF:780.9/15
Left: -54.070+/-0.358 χ²/NDF: 1873.2/32
Right: -49.383+/-0.382 χ²/NDF: 5669.8/33
In: -51.315+/-0.369 χ²/NDF:3652.0/31
Out: -52.448+/-0.370 χ²/NDF:3966.6/34
All: -51.880+/-0.261 χ²/NDF: 7623.2/66



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: 6.103+/-0.353 χ^2/NDF:234.8/15

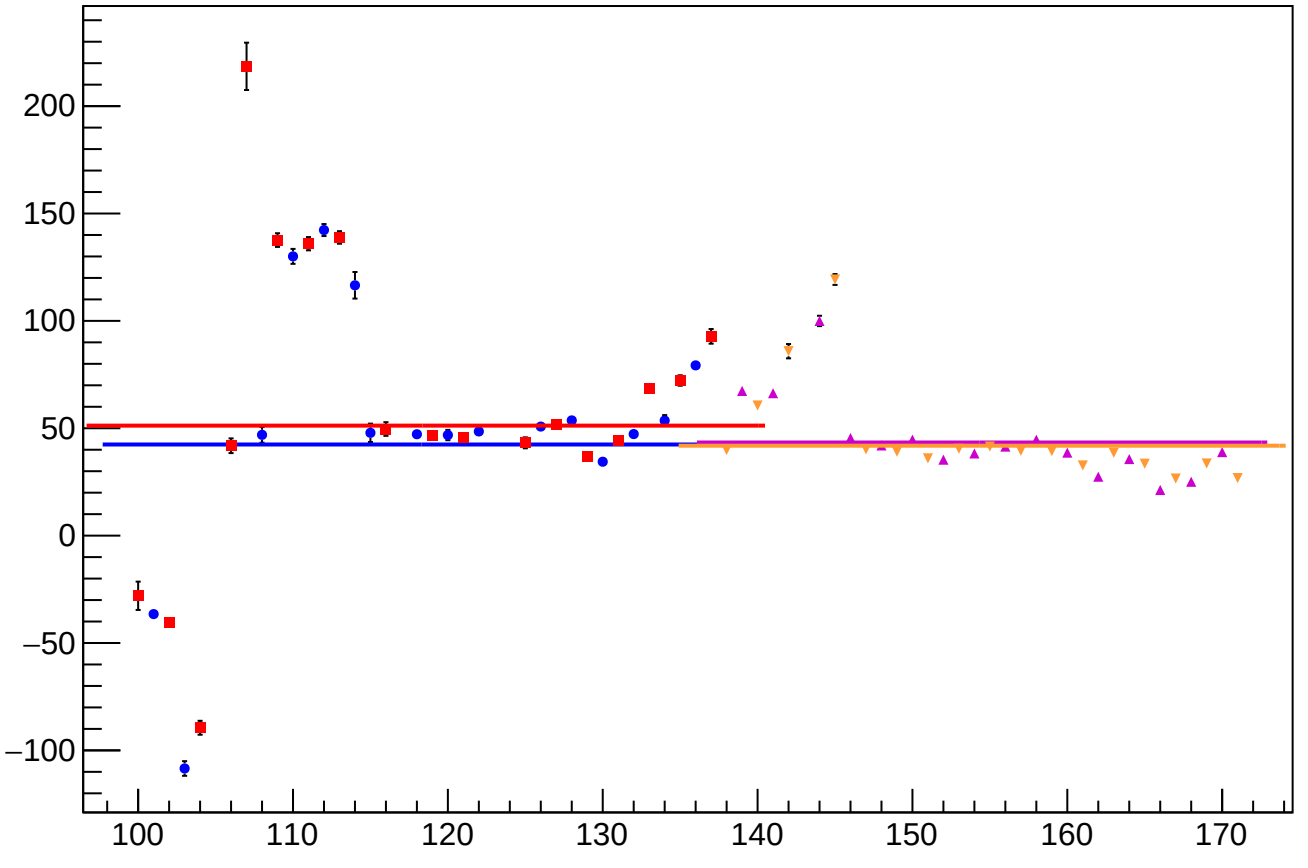
Left: 5.733+/-0.246 χ^2/NDF: 585.5/32

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 8.245+/-0.292 χ^2/NDF:976.2/31

Out: 8.021+/-0.290 χ^2/NDF:922.2/34

All: 8.132+/-0.206 χ^2/NDF: 1898.6/66



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: 43.366+/-0.494 χ^2/NDF:1165.1/15

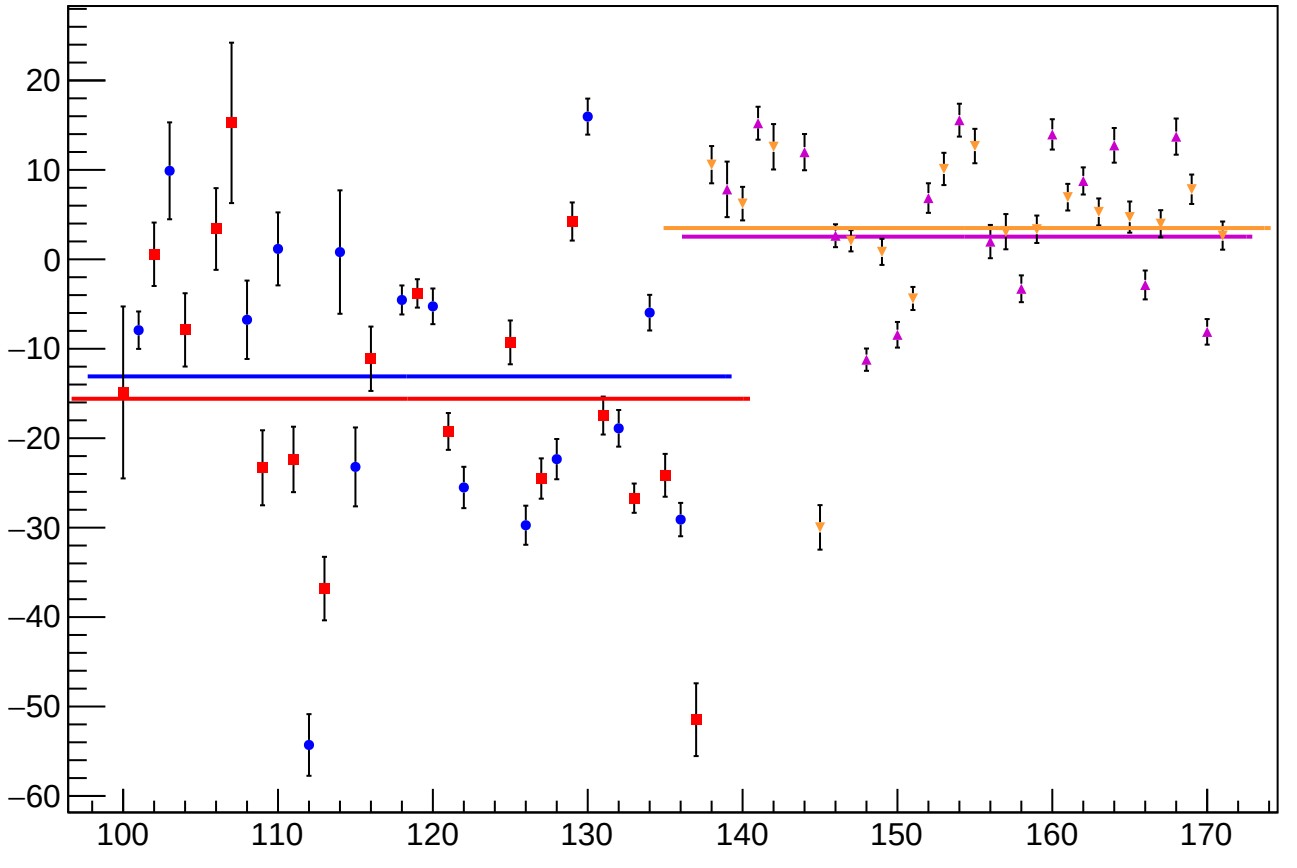
Left: 42.616+/-0.348 χ^2/NDF: 2592.7/32

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 42.978+/-0.377 χ^2/NDF:8335.5/31

Out: 45.509+/-0.383 χ^2/NDF:8175.7/34

All: 44.225+/-0.269 χ^2/NDF: 16533.3/66



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: 2.535+/-0.410 χ^2/NDF:511.7/15

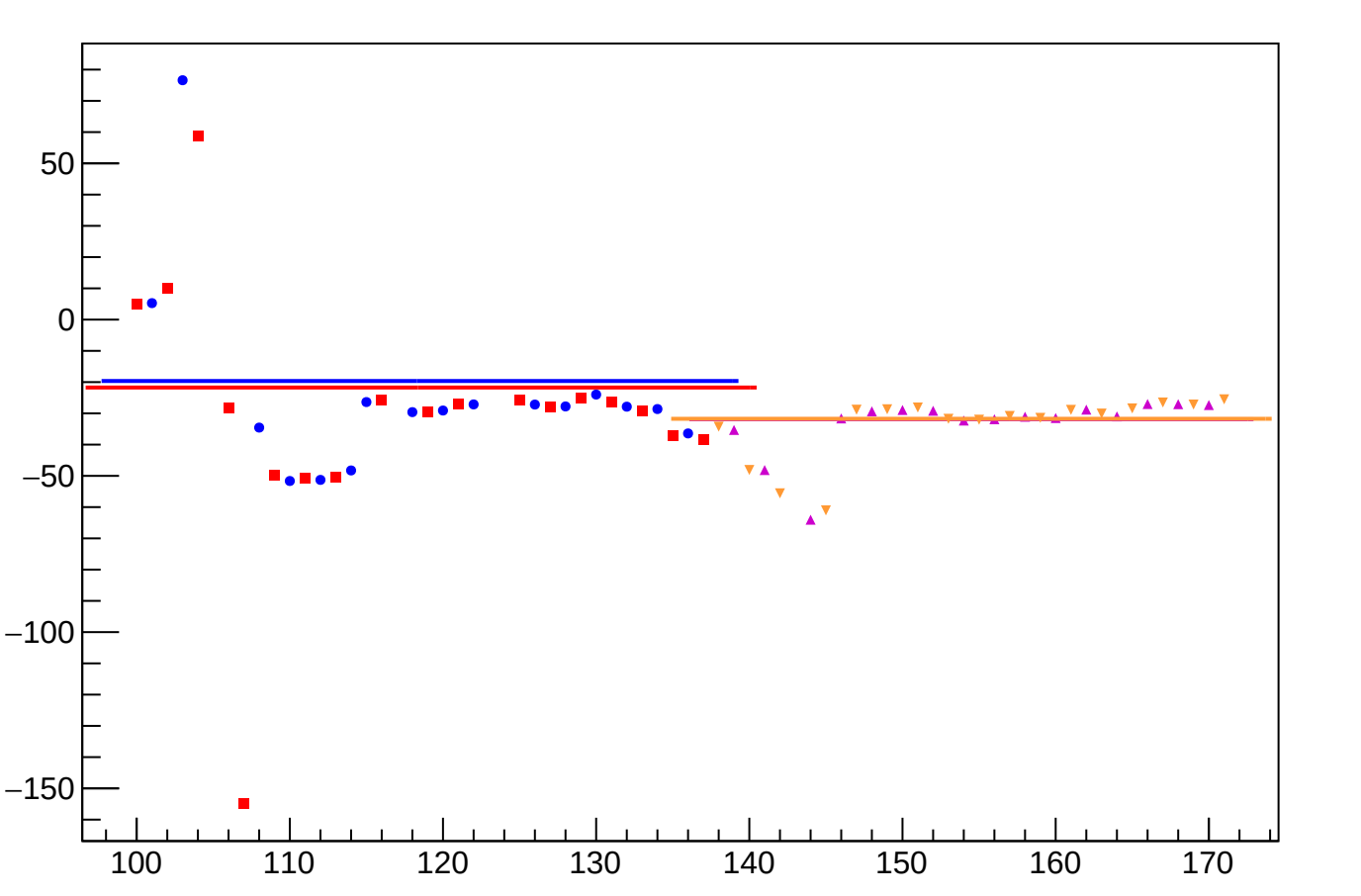
Left: 3.030+/-0.286 χ^2/NDF: 814.6/32

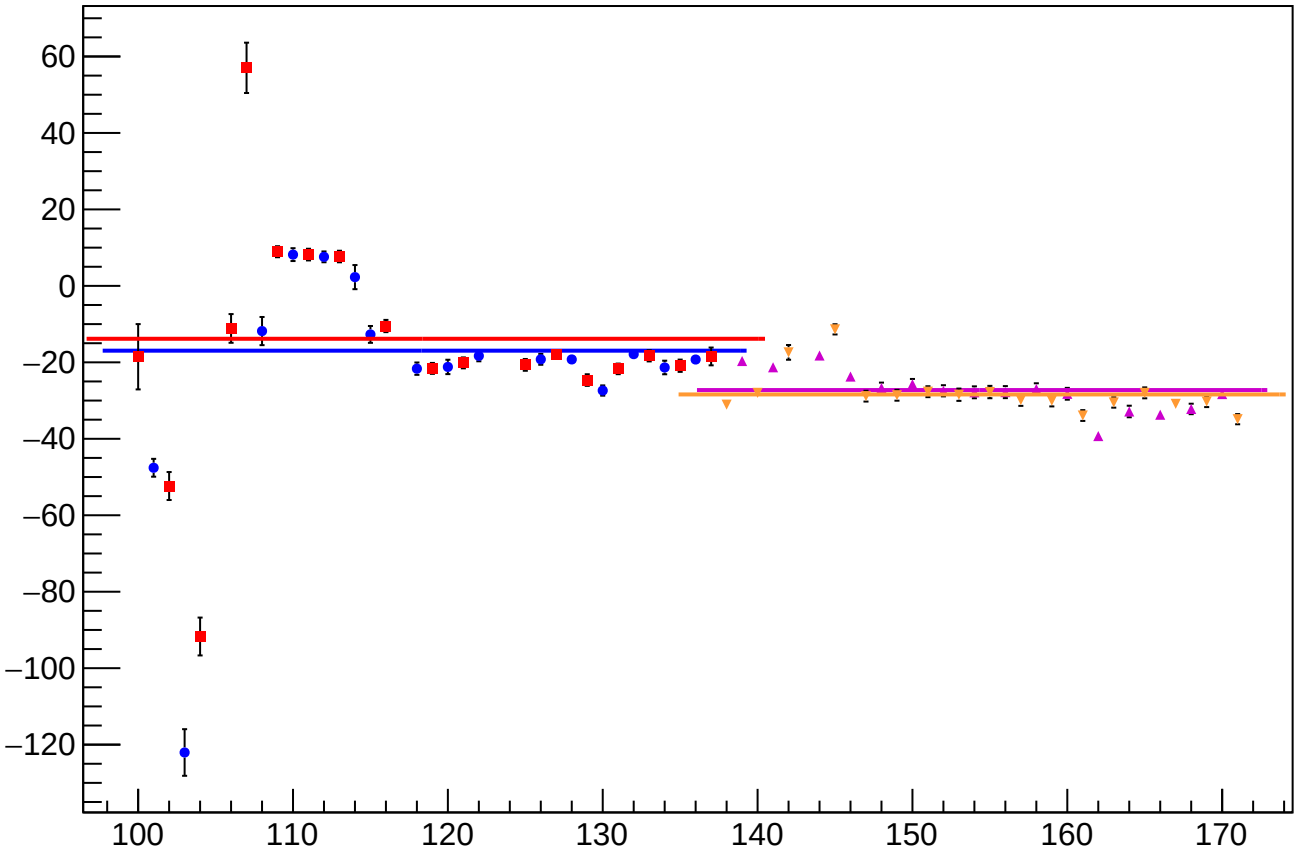
Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

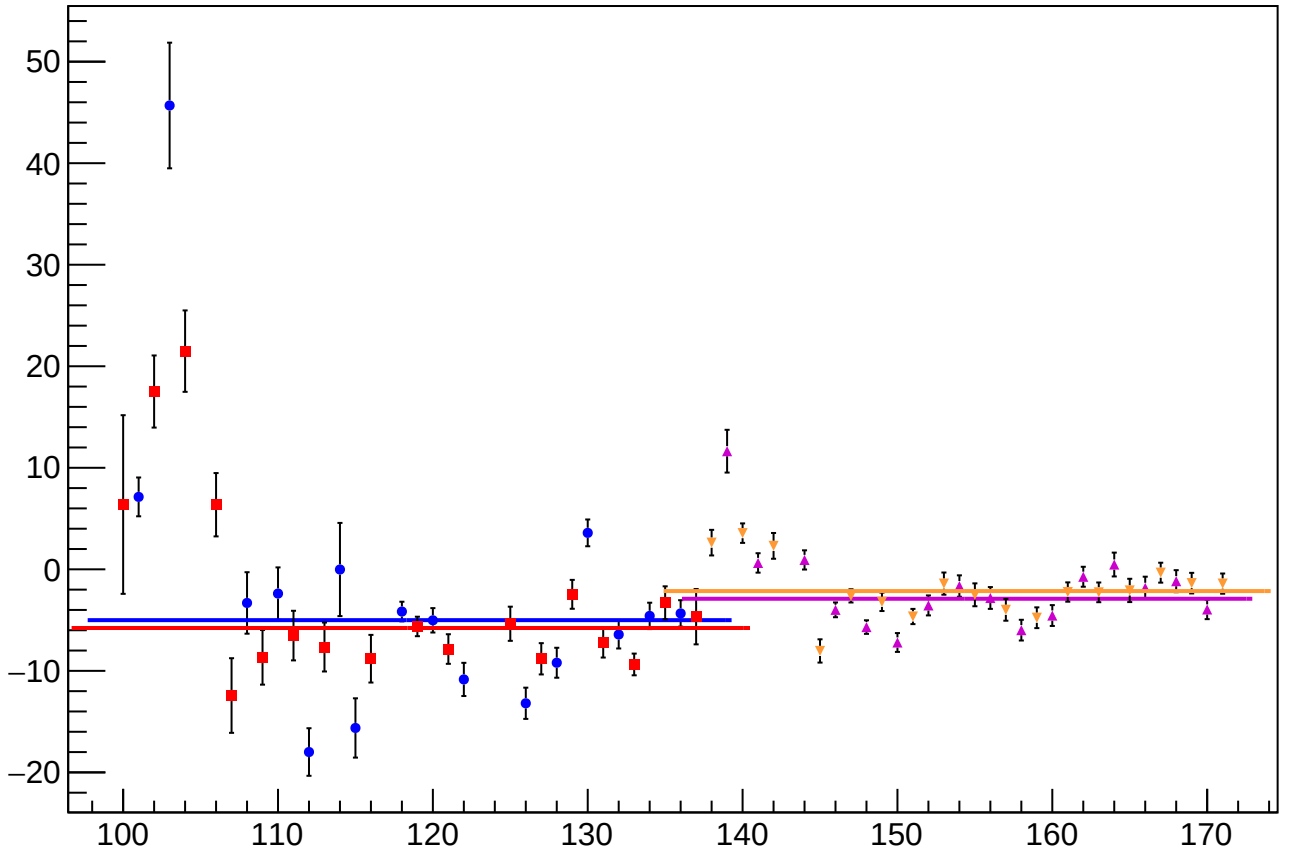
In: -2.445+/-0.339 χ^2/NDF:1614.1/31

Out: -1.993+/-0.336 χ^2/NDF:1362.3/34

All: -2.218+/-0.239 χ^2/NDF: 2977.3/66


reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
110
120
130
140
150
160
170
Right In: -19.644+/-0.036 χ²/NDF: 646925.7/15
Left Out: -31.738+/-0.018 χ²/NDF:184635.8/16
Right Out: -21.730+/-0.039 χ²/NDF: 546659.9/17
Left In: -31.895+/-0.018 χ²/NDF:144825.1/15
Left: -31.816+/-0.013 χ²/NDF: 329497.5/32
Right: -20.610+/-0.026 χ²/NDF: 1195130.0/33
In: -29.360+/-0.016 χ²/NDF:883028.7/31
Out: -29.931+/-0.017 χ²/NDF:785568.0/34
All: -29.644+/-0.012 χ²/NDF: 1669197.2/66


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -16.949+/-0.404 χ²/NDF: 1128.2/15
Left Out: -28.397+/-0.340 χ²/NDF:249.7/16
Right Out: -13.837+/-0.409 χ²/NDF: 1333.2/17
Left In: -27.251+/-0.343 χ²/NDF:264.9/15
Left: -27.829+/-0.242 χ²/NDF: 520.2/32
Right: -15.414+/-0.287 χ²/NDF: 2490.7/33
In: -22.930+/-0.262 χ²/NDF:1770.8/31
Out: -22.448+/-0.262 χ²/NDF:2331.7/34
All: -22.689+/-0.185 χ²/NDF: 4104.2/66



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: -2.899+/-0.243 χ^2/NDF:150.2/15

Left: -2.511+/-0.169 χ^2/NDF: 271.5/32

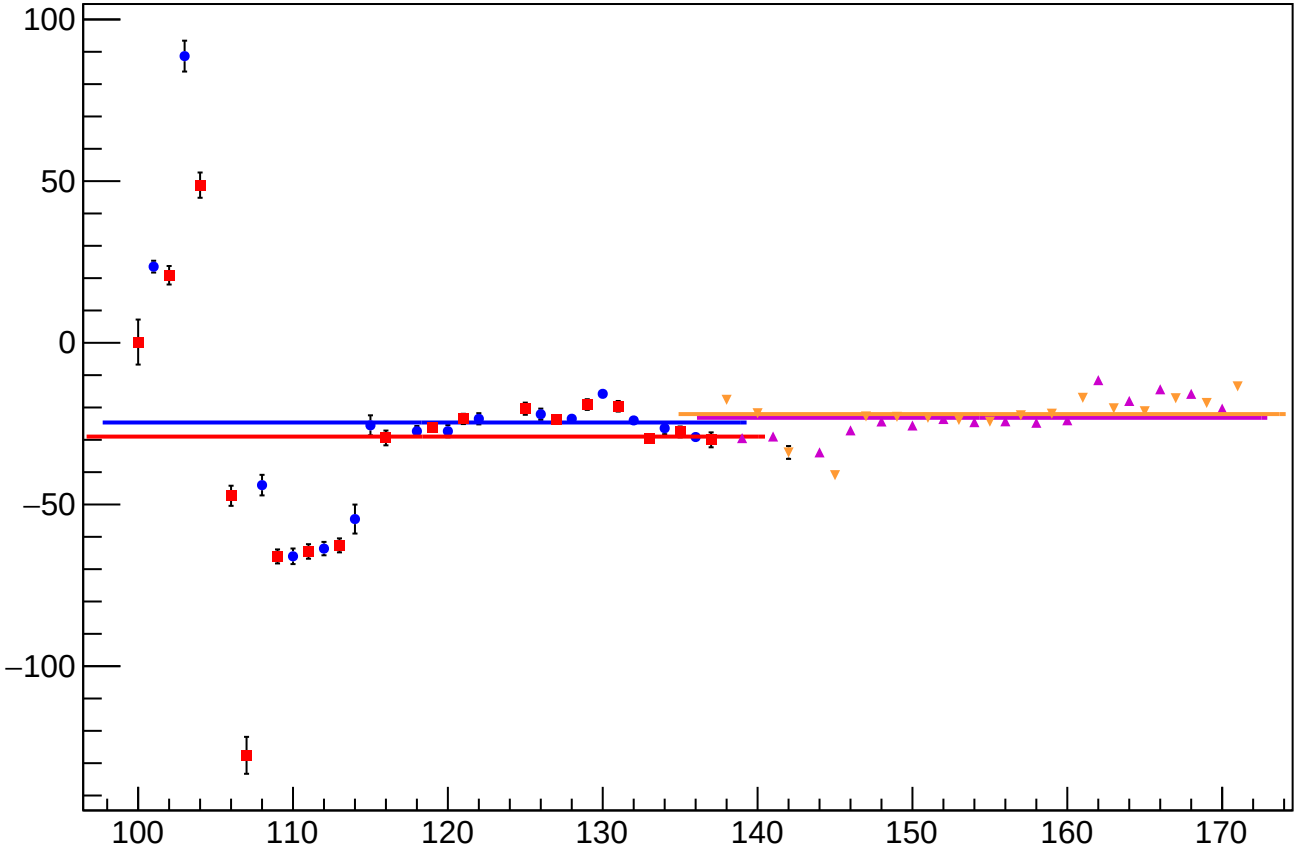
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.464+/-0.208 χ^2/NDF:418.2/31

Out: -3.020+/-0.206 χ^2/NDF:312.6/34

All: -3.240+/-0.146 χ^2/NDF: 733.1/66

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: -23.190+/-0.335 χ^2/NDF:310.1/15

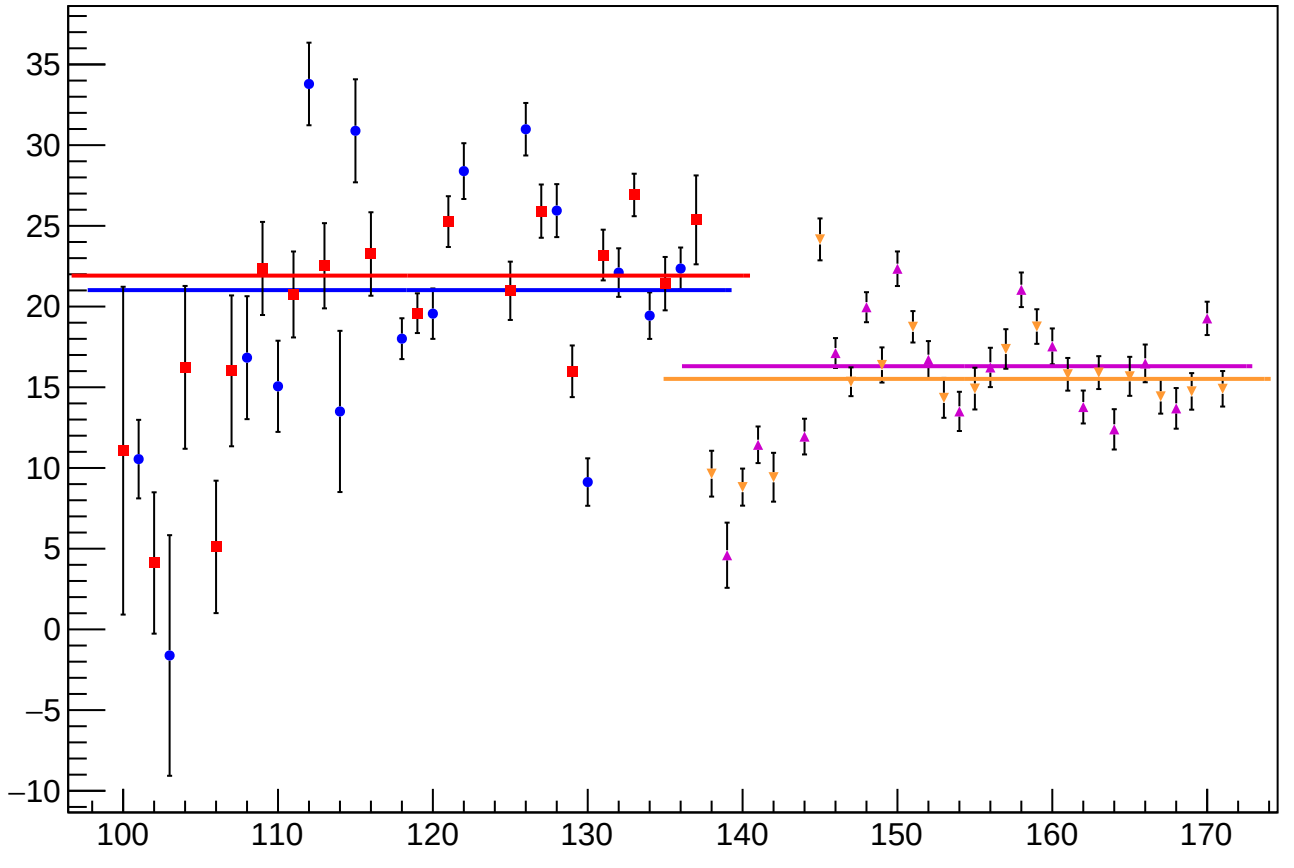
Left: -22.611+/-0.236 χ^2/NDF: 640.0/32

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -23.700+/-0.270 χ^2/NDF:2368.5/31

Out: -24.328+/-0.272 χ^2/NDF:2420.4/34

All: -24.011+/-0.192 χ^2/NDF: 4791.6/66



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.519+/-0.274 χ^2/NDF:138.0/16

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 16.305+/-0.280 χ^2/NDF:170.2/15

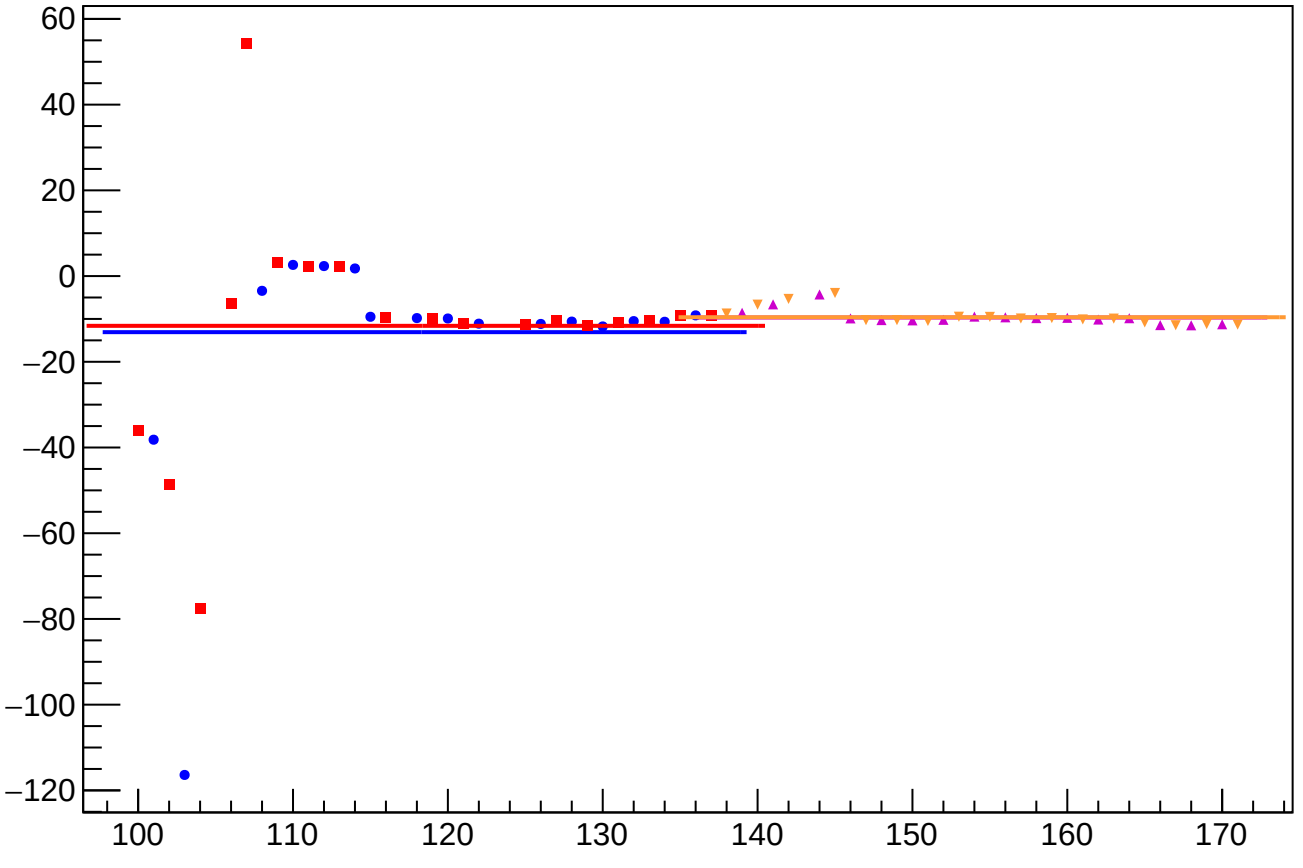
Left: 15.903+/-0.196 χ^2/NDF: 312.3/32

Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.590+/-0.239 χ^2/NDF:456.8/31

Out: 17.098+/-0.238 χ^2/NDF:355.3/34

All: 17.343+/-0.169 χ^2/NDF: 814.3/66



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: -9.671+/-0.012 χ^2/NDF:16551.4/15

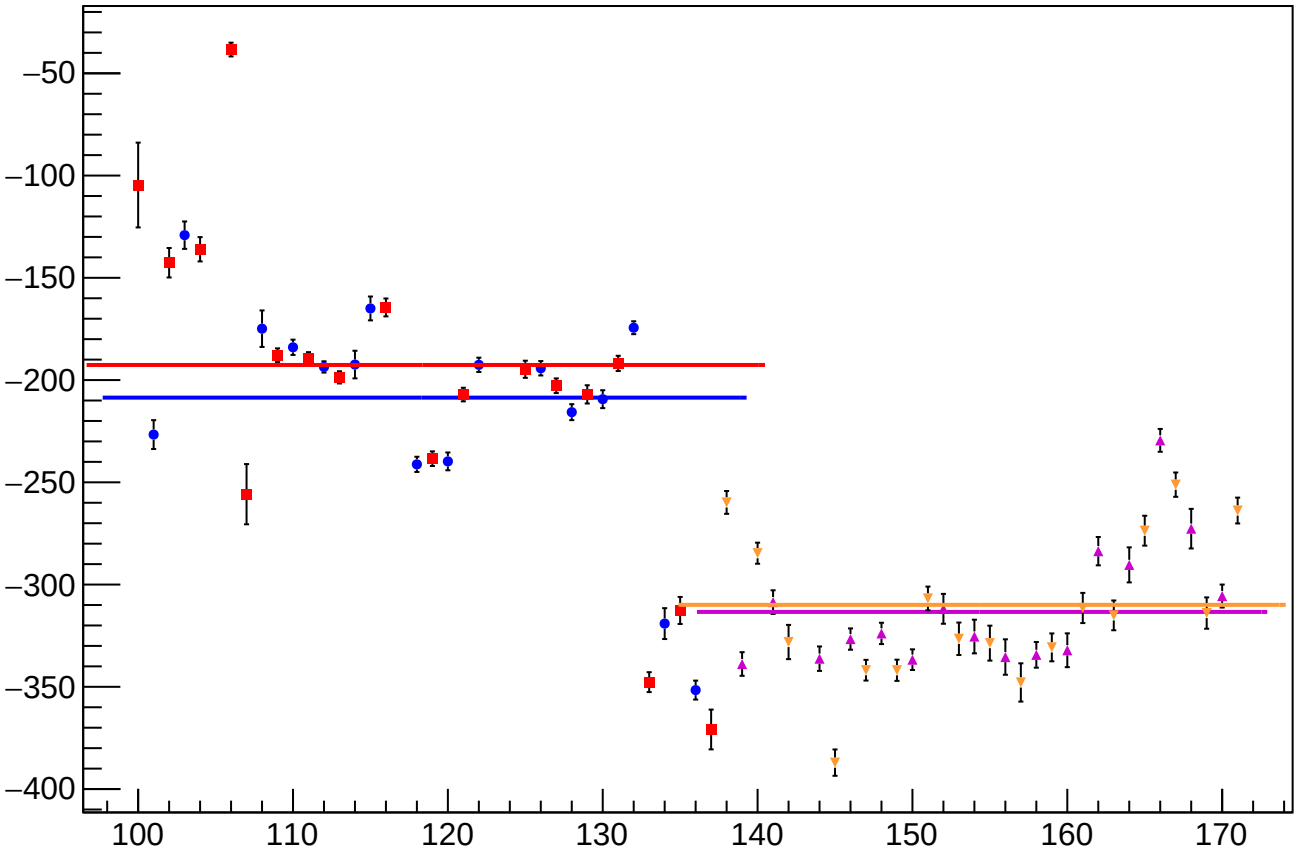
Left: -9.638+/-0.009 χ^2/NDF: 39354.8/32

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.223+/-0.011 χ^2/NDF:373604.9/31

Out: -9.882+/-0.011 χ^2/NDF:340602.7/34

All: -10.054+/-0.008 χ^2/NDF: 714650.9/66



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: -313.377+/-1.588 χ^2/NDF:362.3/15

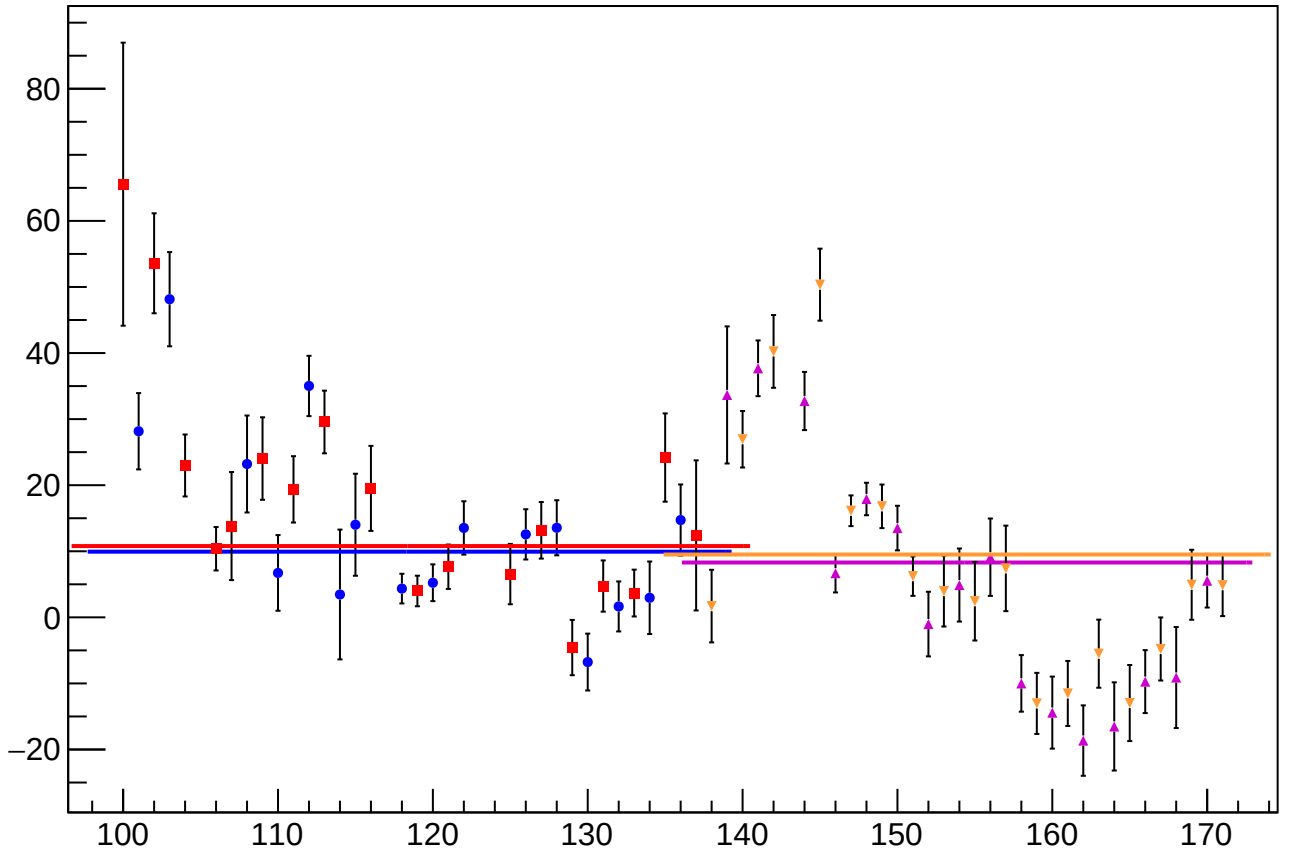
Left: -311.632+/-1.118 χ^2/NDF: 907.0/32

Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

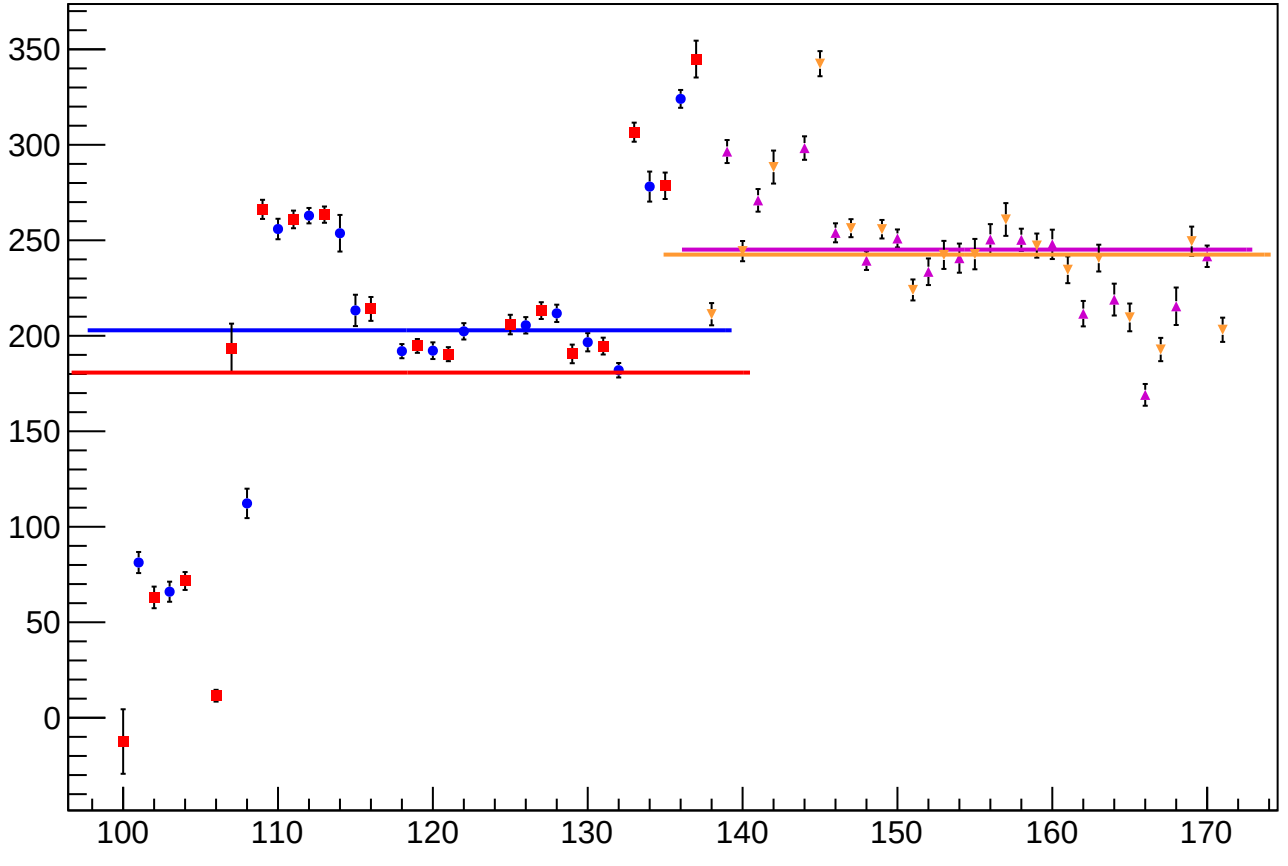
In: -241.159+/-0.885 χ^2/NDF:5114.4/31

Out: -226.257+/-0.844 χ^2/NDF:8704.3/34

All: -233.348+/-0.611 χ^2/NDF: 13967.2/66


reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 9.938+/-1.065 χ²/NDF: 106.6/15
Left Out: 9.510+/-1.047 χ²/NDF:199.3/16
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 8.301+/-1.078 χ²/NDF:202.4/15
Left: 8.923+/-0.751 χ²/NDF: 402.3/32
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 9.129+/-0.758 χ²/NDF:310.1/31
Out: 10.151+/-0.739 χ²/NDF:305.1/34
All: 9.653+/-0.529 χ²/NDF: 616.2/66

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 242.512+/-1.536 χ^2/NDF:448.4/16

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 245.132+/-1.543 χ^2/NDF:399.7/15

Left: 243.815+/-1.089 χ^2/NDF: 849.6/32

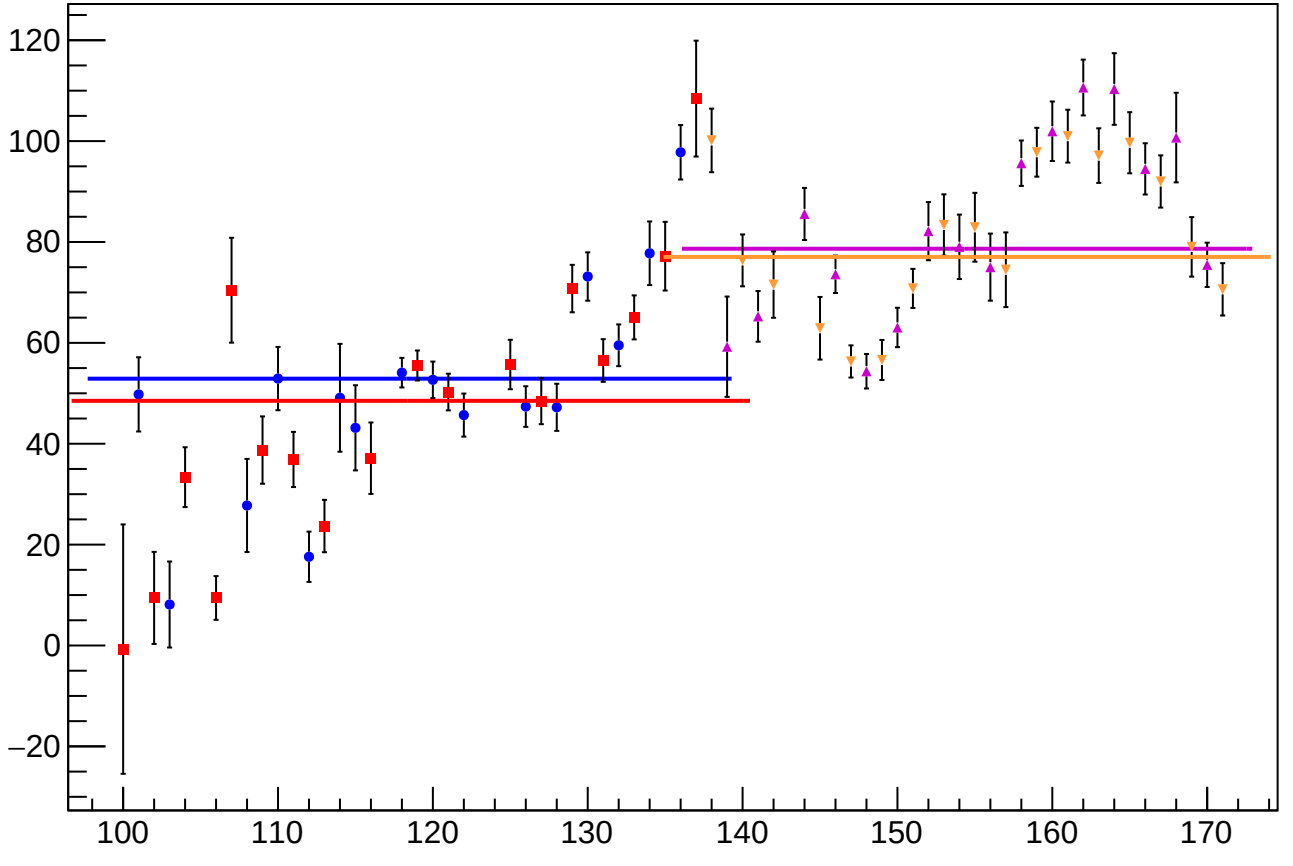
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 219.215+/-0.960 χ^2/NDF:3323.6/31

Out: 202.760+/-0.917 χ^2/NDF:7836.9/34

All: 210.616+/-0.663 χ^2/NDF: 11314.2/66

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: 78.662+/-1.268 χ^2/NDF:181.2/15

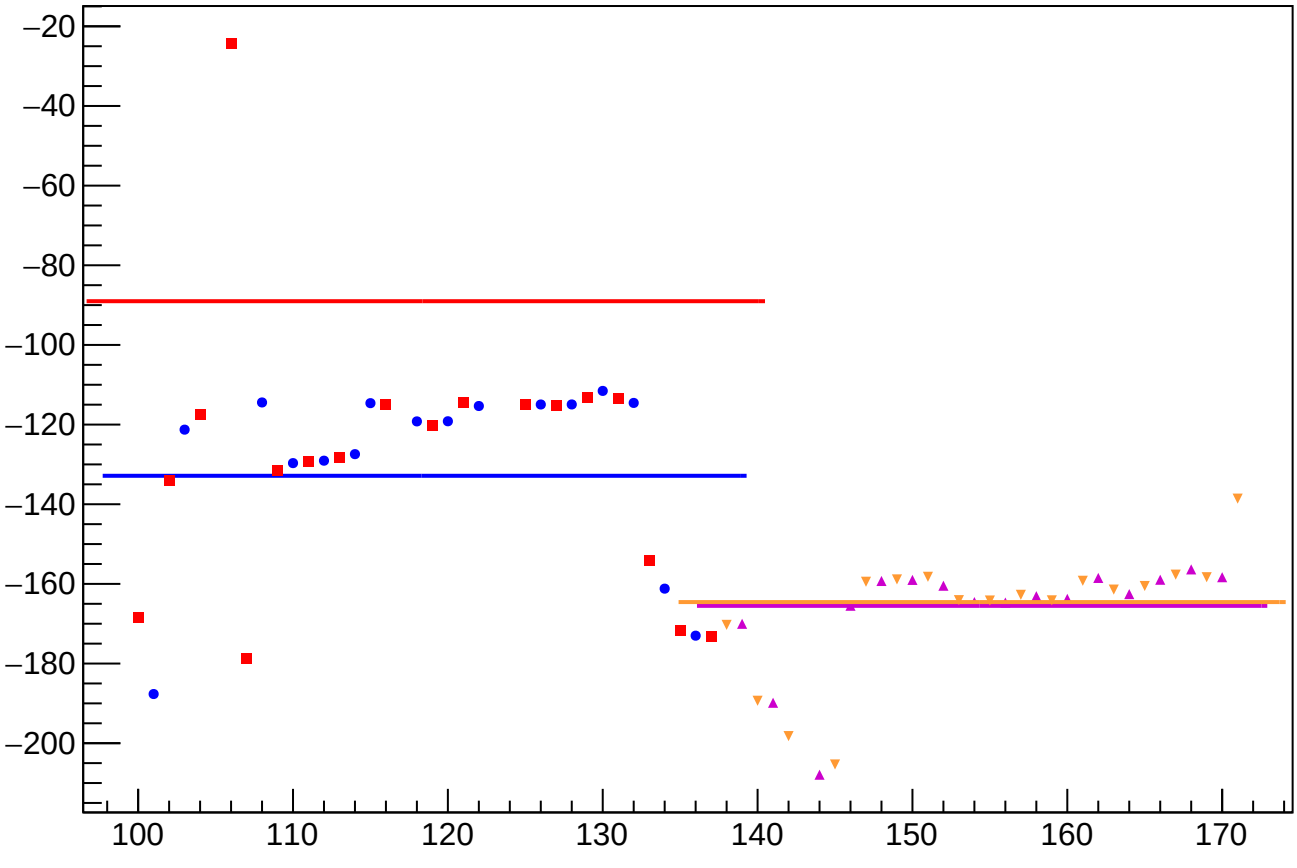
Left: 77.831+/-0.886 χ^2/NDF: 351.6/32

Right: 50.656+/-0.868 χ^2/NDF: 444.7/33

In: 65.510+/-0.887 χ^2/NDF:590.3/31

Out: 62.480+/-0.867 χ^2/NDF:679.8/34

All: 63.961+/-0.620 χ^2/NDF: 1276.1/66



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -164.564+/-0.059 χ^2/NDF:64515.1/16

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -165.510+/-0.059 χ^2/NDF:40684.5/15

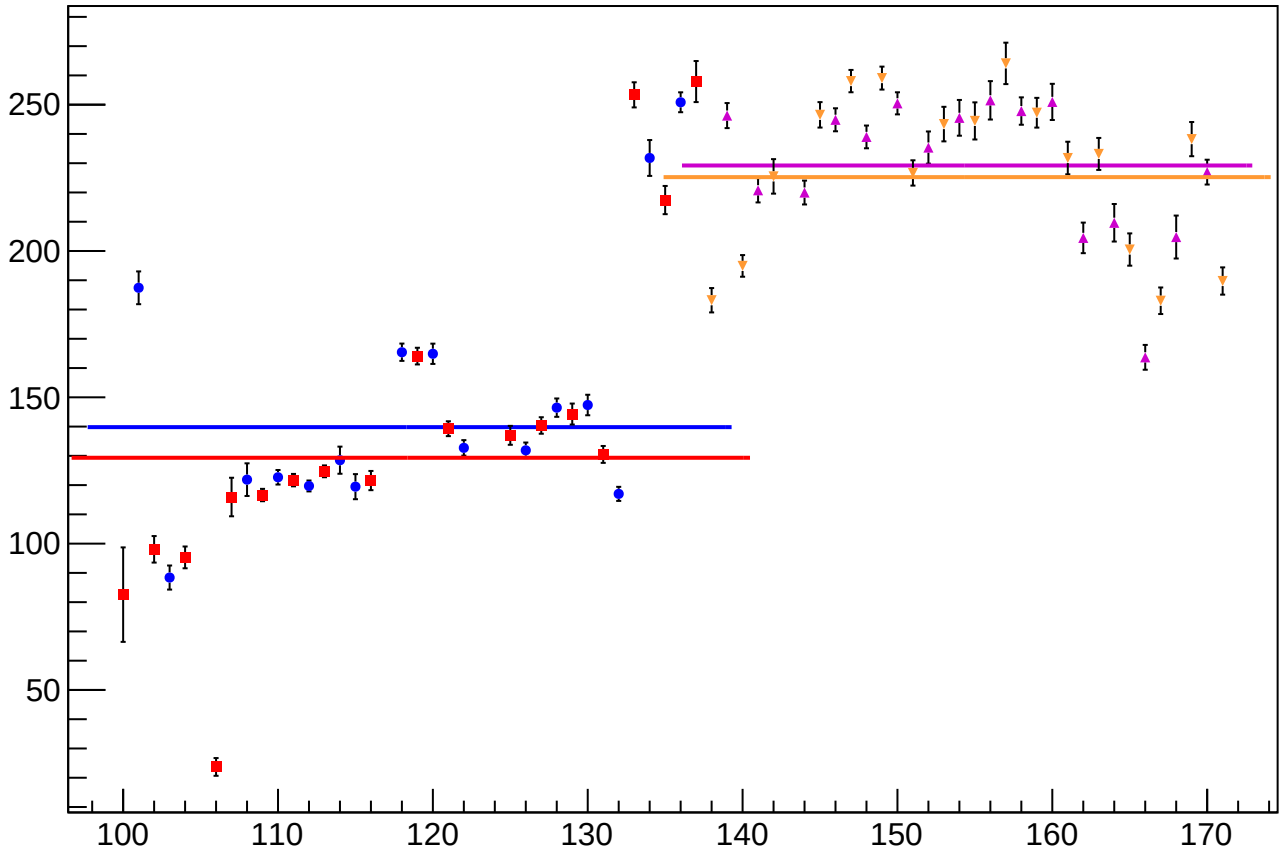
Left: -165.037+/-0.041 χ^2/NDF: 105329.9/32

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -154.346+/-0.048 χ^2/NDF:240213.7/31

Out: -130.217+/-0.043 χ^2/NDF:1548470.1/34

All: -141.142+/-0.032 χ^2/NDF: 1929487.0/66



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: 229.219+/-1.179 χ^2/NDF:409.0/15

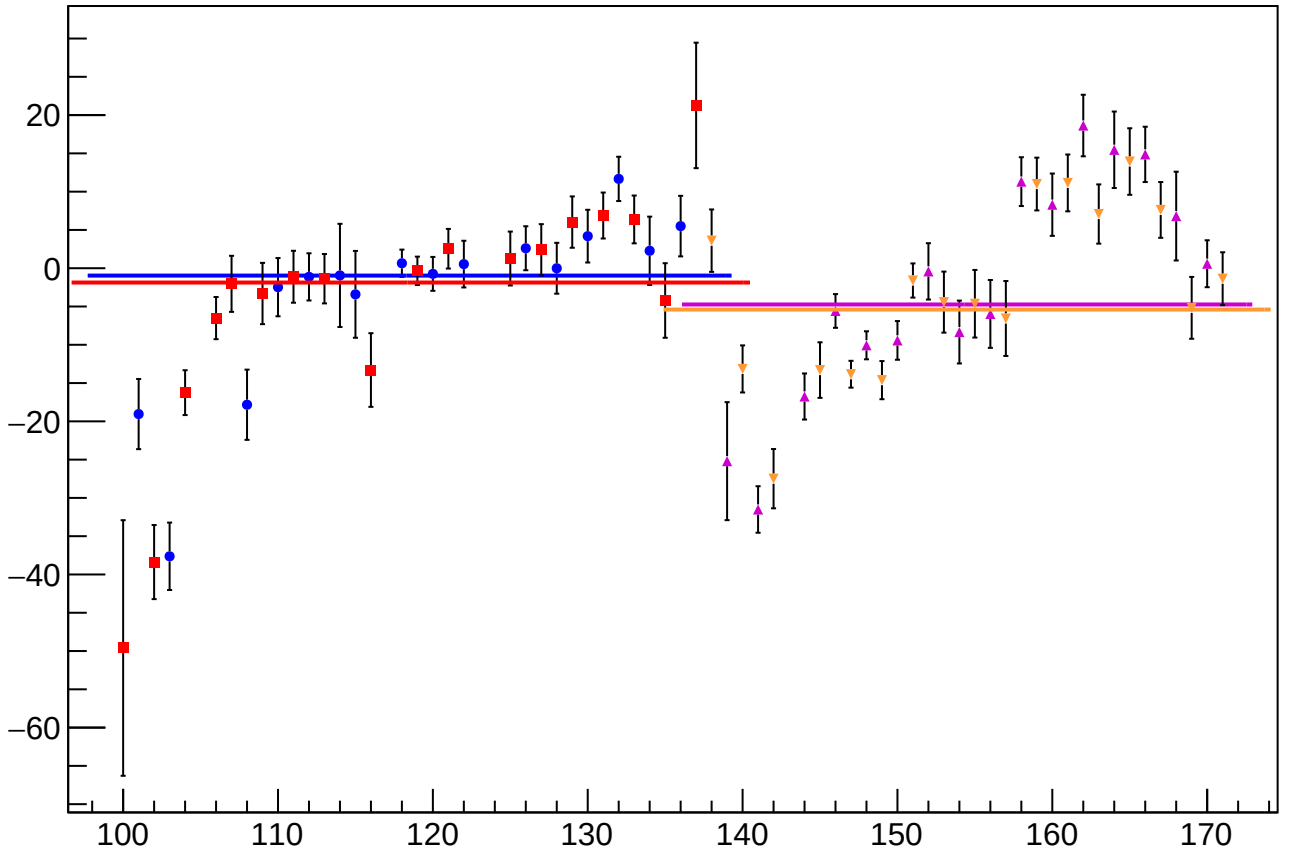
Left: 227.210+/-0.829 χ^2/NDF: 997.4/32

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 167.243+/-0.653 χ^2/NDF:6358.6/31

Out: 156.544+/-0.621 χ^2/NDF:8544.4/34

All: 161.627+/-0.450 χ^2/NDF: 15043.9/66



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: -4.735+/-0.802 χ^2/NDF:237.2/15

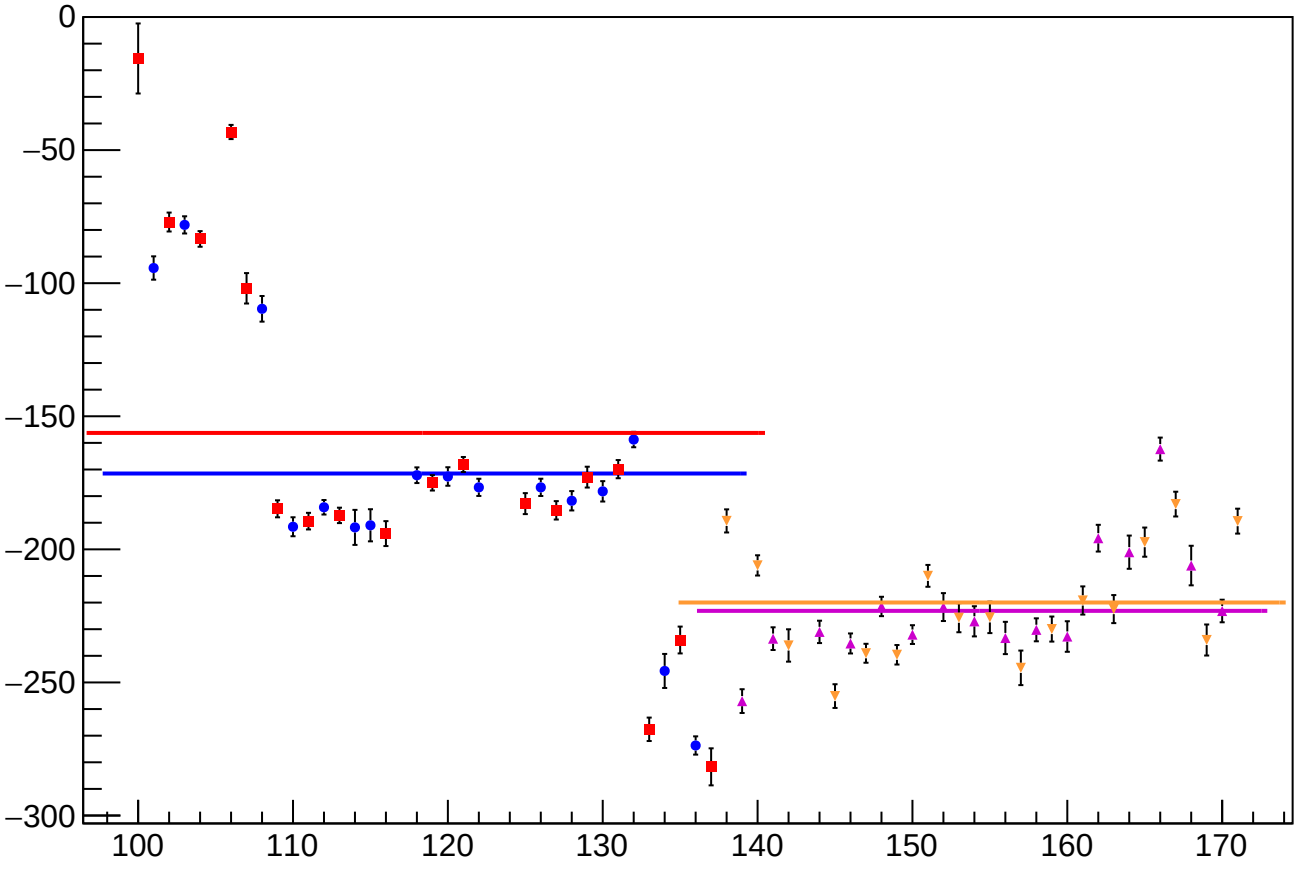
Left: -5.078+/-0.559 χ^2/NDF: 412.8/32

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.863+/-0.569 χ^2/NDF:374.2/31

Out: -3.646+/-0.552 χ^2/NDF:318.7/34

All: -3.267+/-0.396 χ^2/NDF: 693.9/66



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: -223.109+/-1.147 χ^2/NDF:338.2/15

Left: -221.528+/-0.809 χ^2/NDF: 687.7/32

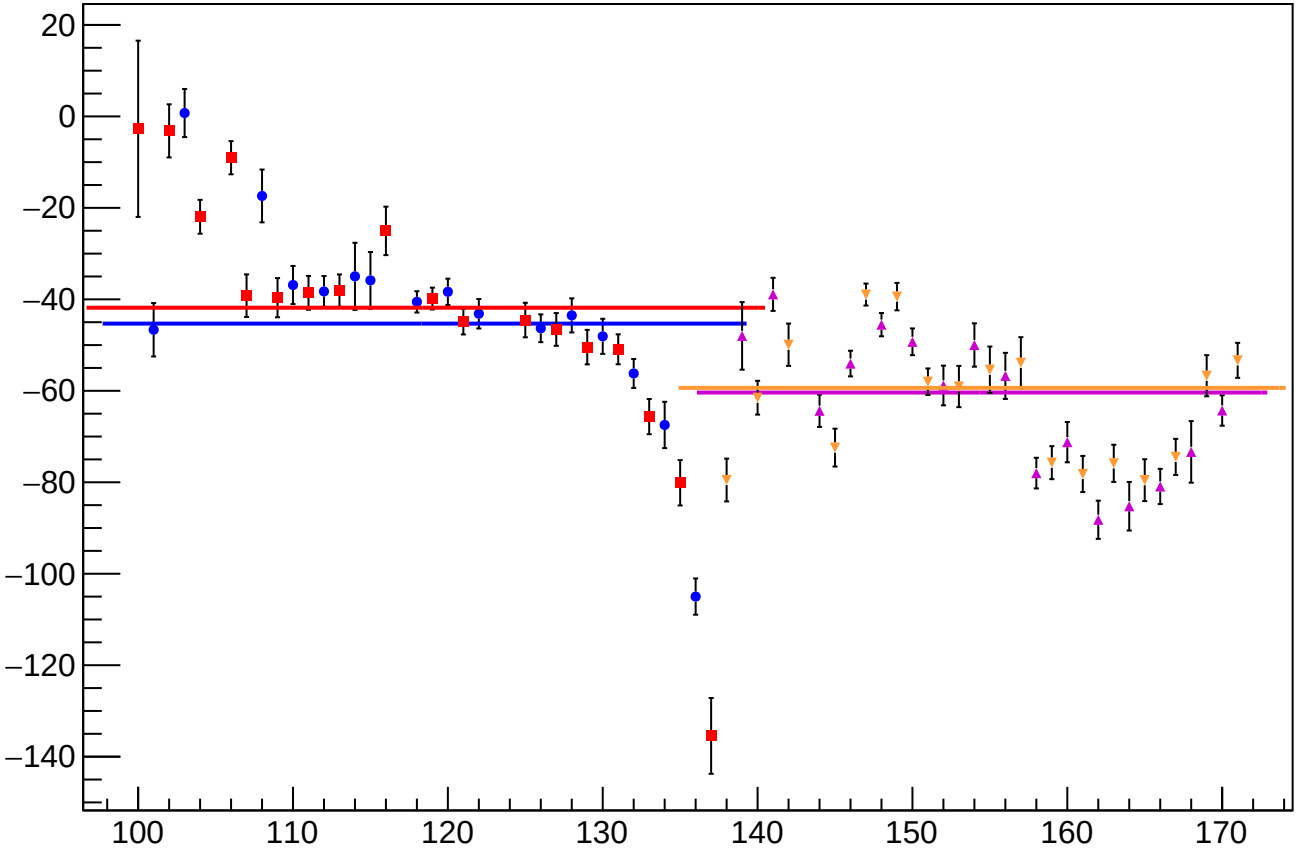
Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -191.348+/-0.711 χ^2/NDF:4026.1/31

Out: -178.937+/-0.680 χ^2/NDF:7262.3/34

All: -184.862+/-0.492 χ^2/NDF: 11447.5/66

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -59.352+/-0.921 χ^2/NDF:247.6/16

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -60.380+/-0.943 χ^2/NDF:231.8/15

Left: -59.854+/-0.659 χ^2/NDF: 480.0/32

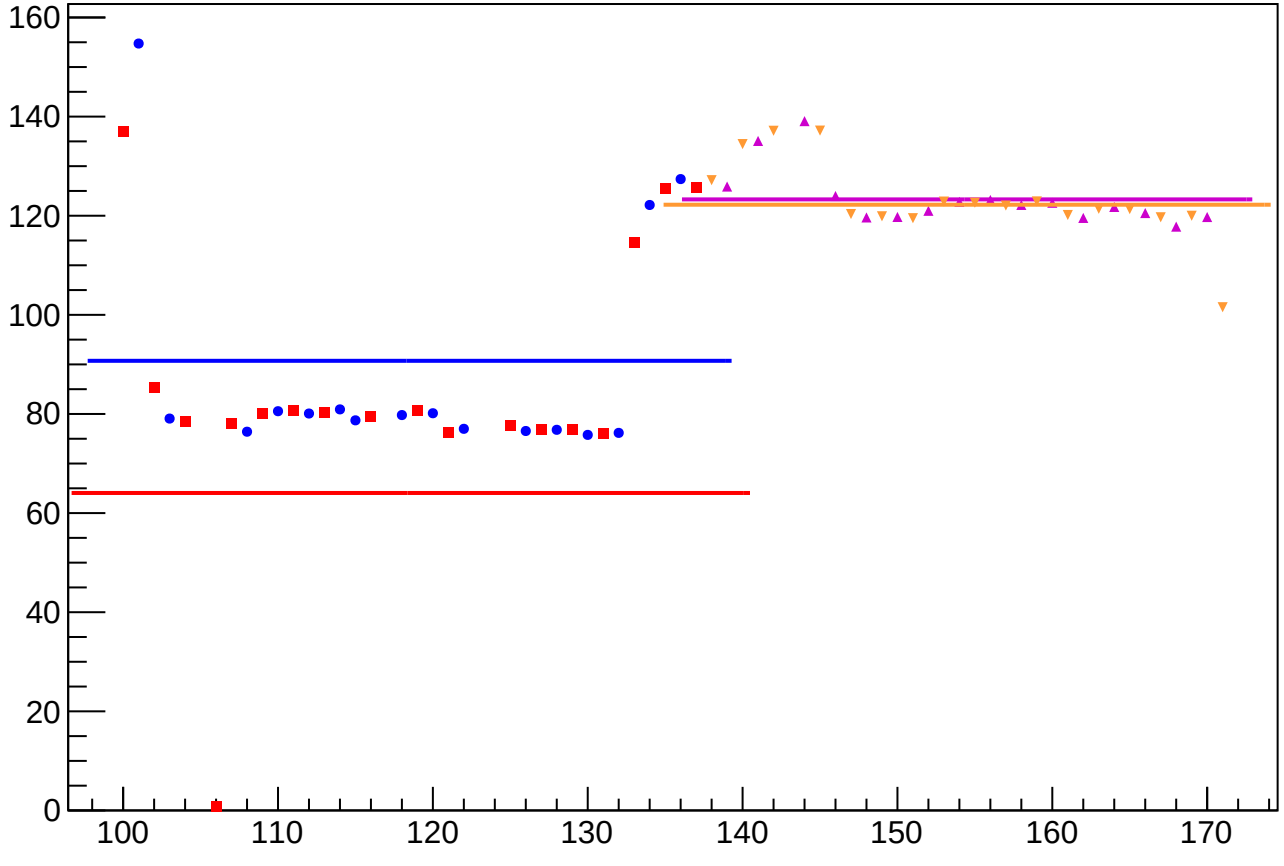
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.797+/-0.665 χ^2/NDF:742.3/31

Out: -50.476+/-0.647 χ^2/NDF:845.0/34

All: -51.605+/-0.464 χ^2/NDF: 1593.6/66

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: 123.296+/-0.044 χ^2/NDF:15071.6/15

Left: 122.756+/-0.031 χ^2/NDF: 50565.8/32

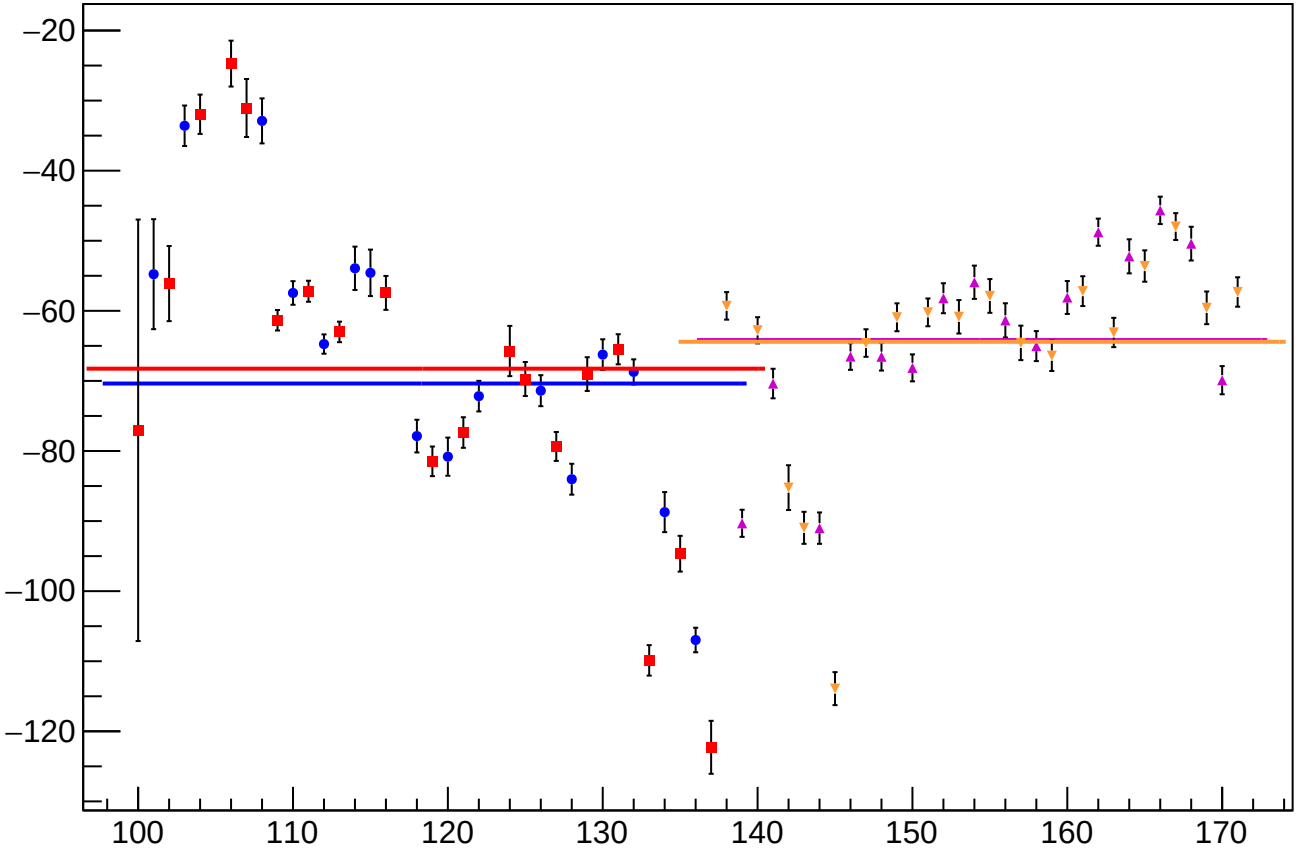
Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 111.634+/-0.035 χ^2/NDF:375320.0/31

Out: 96.733+/-0.033 χ^2/NDF:1478138.8/34

All: 103.663+/-0.024 χ^2/NDF: 1950430.7/66

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -64.416+/-0.511 χ^2/NDF:769.2/17

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -64.168+/-0.529 χ^2/NDF:588.0/15

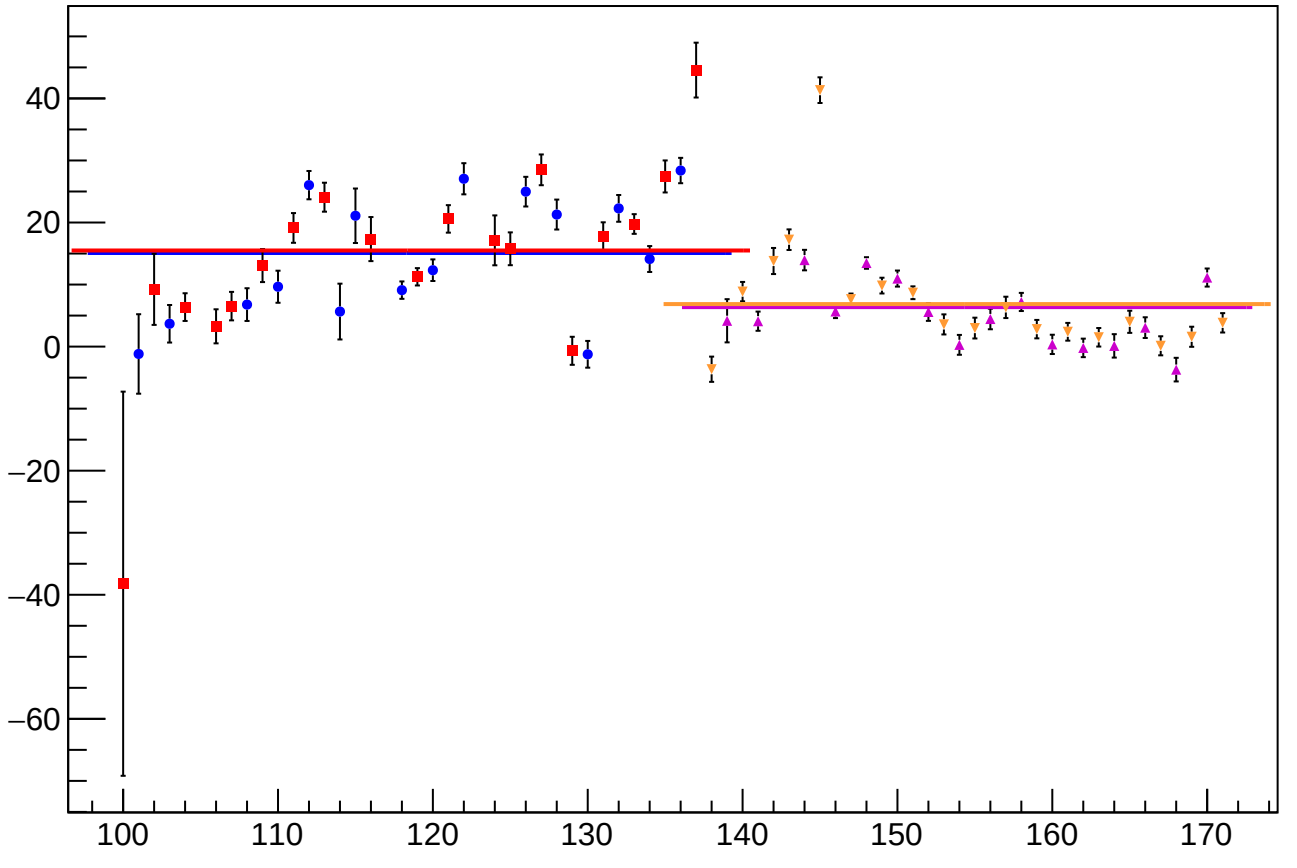
Left: -64.296+/-0.367 χ^2/NDF: 1357.4/33

Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -67.106+/-0.384 χ^2/NDF:1628.2/31

Out: -66.275+/-0.367 χ^2/NDF:2102.5/36

All: -66.671+/-0.265 χ^2/NDF: 3733.1/68



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: 6.363+/-0.367 χ^2/NDF:199.2/15

Left: 6.621+/-0.252 χ^2/NDF: 641.1/33

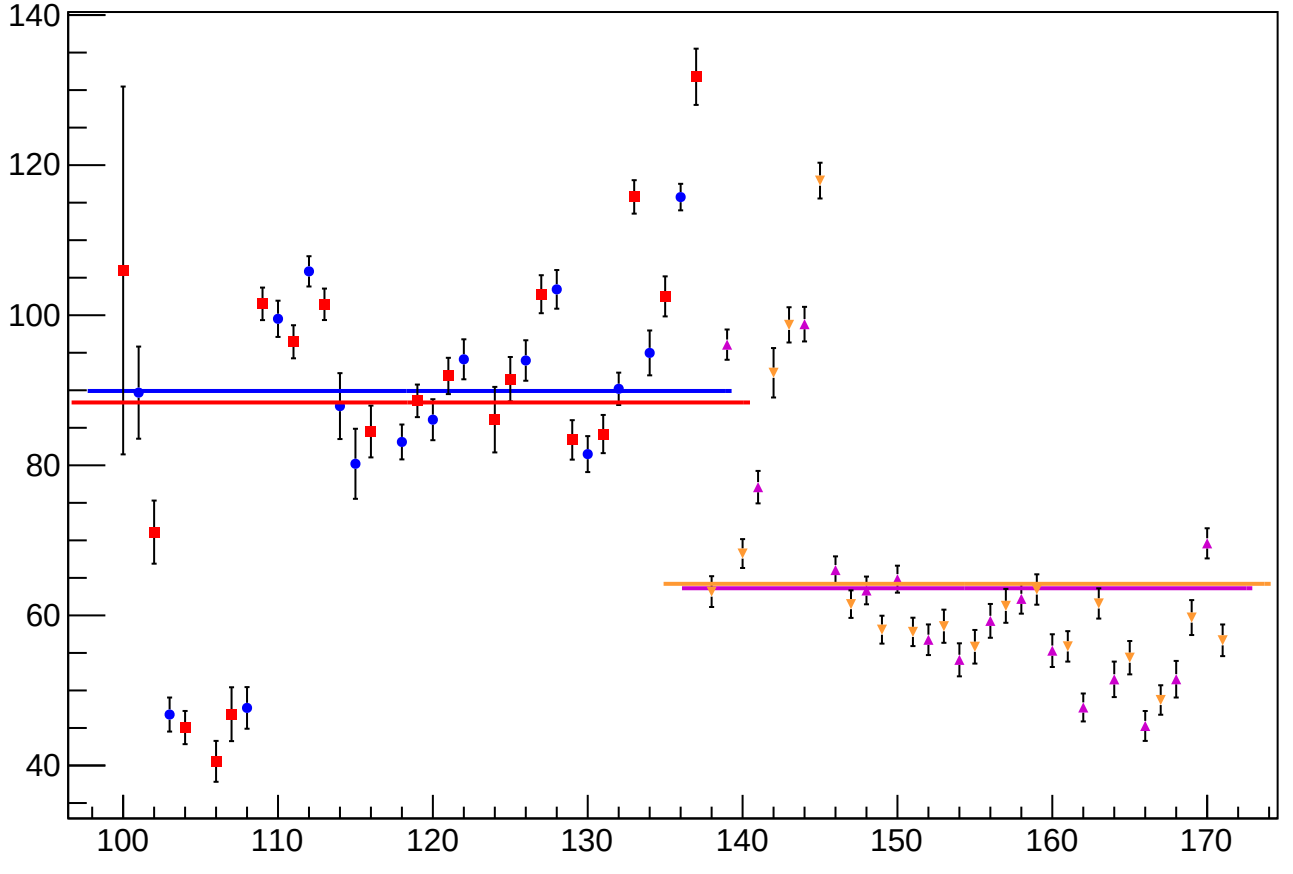
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.849+/-0.310 χ^2/NDF:603.1/31

Out: 9.272+/-0.295 χ^2/NDF:852.7/36

All: 9.071+/-0.214 χ^2/NDF: 1456.8/68

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 64.209+/-0.498 χ^2/NDF:965.2/17

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 63.618+/-0.513 χ^2/NDF:799.7/15

Left: 63.922+/-0.358 χ^2/NDF: 1765.5/33

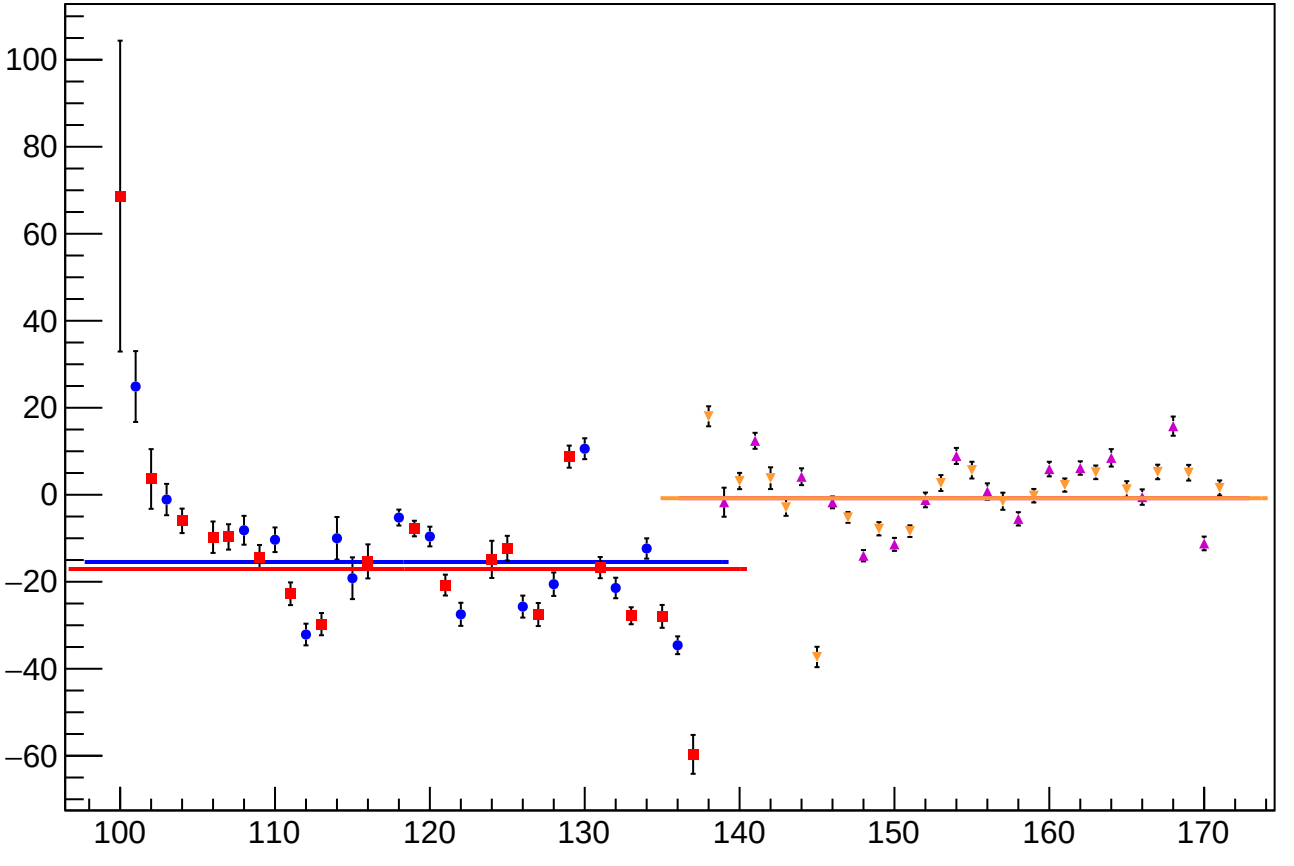
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 73.893+/-0.401 χ^2/NDF:2773.0/31

Out: 73.740+/-0.388 χ^2/NDF:3181.8/36

All: 73.814+/-0.279 χ^2/NDF: 5954.8/68

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -0.793+/-0.406 χ^2/NDF:444.8/17

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.789+/-0.425 χ^2/NDF:407.9/15

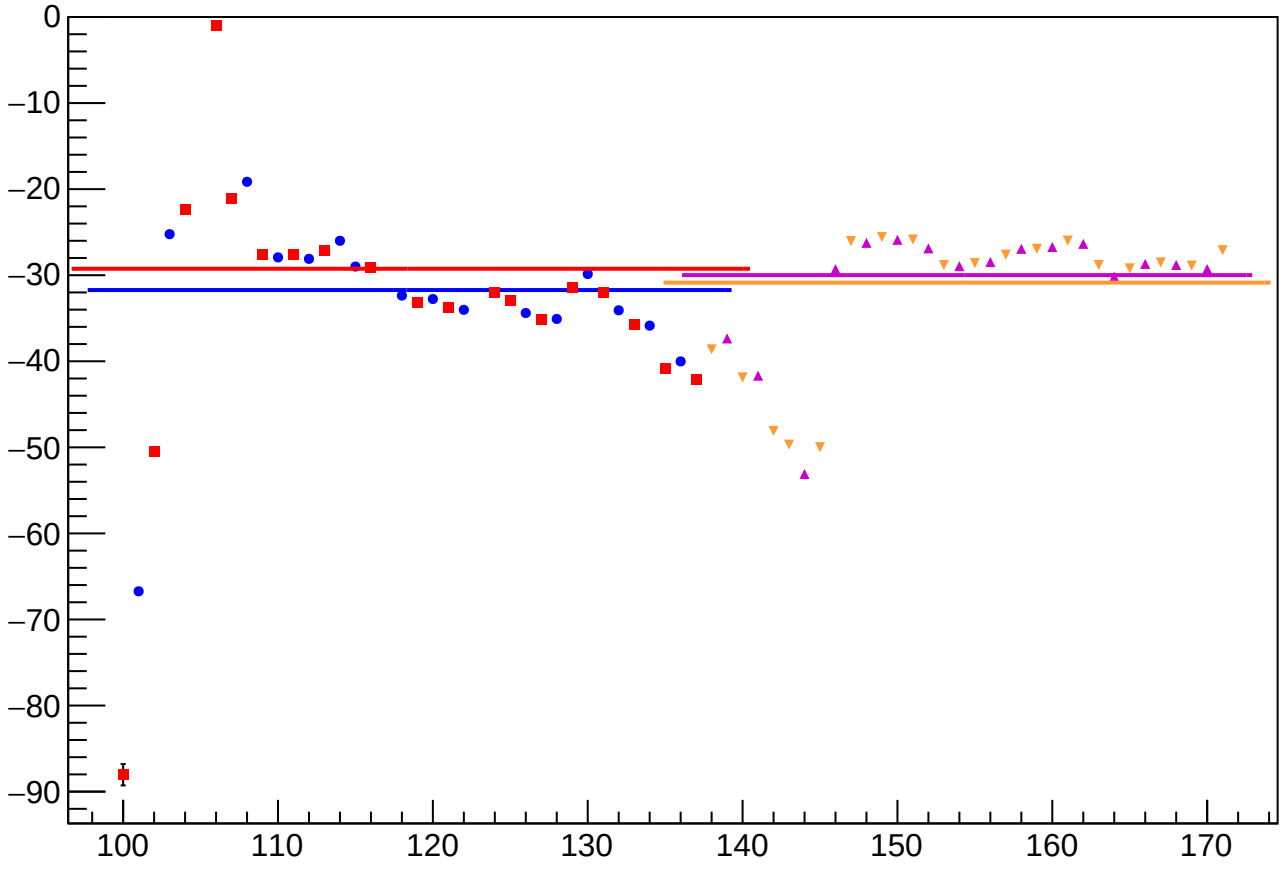
Left: -0.791+/-0.294 χ^2/NDF: 852.7/33

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -5.044+/-0.358 χ^2/NDF:1139.1/31

Out: -5.423+/-0.343 χ^2/NDF:1263.1/36

All: -5.242+/-0.248 χ^2/NDF: 2402.8/68



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: -29.989+/-0.019 χ^2/NDF:93385.3/15

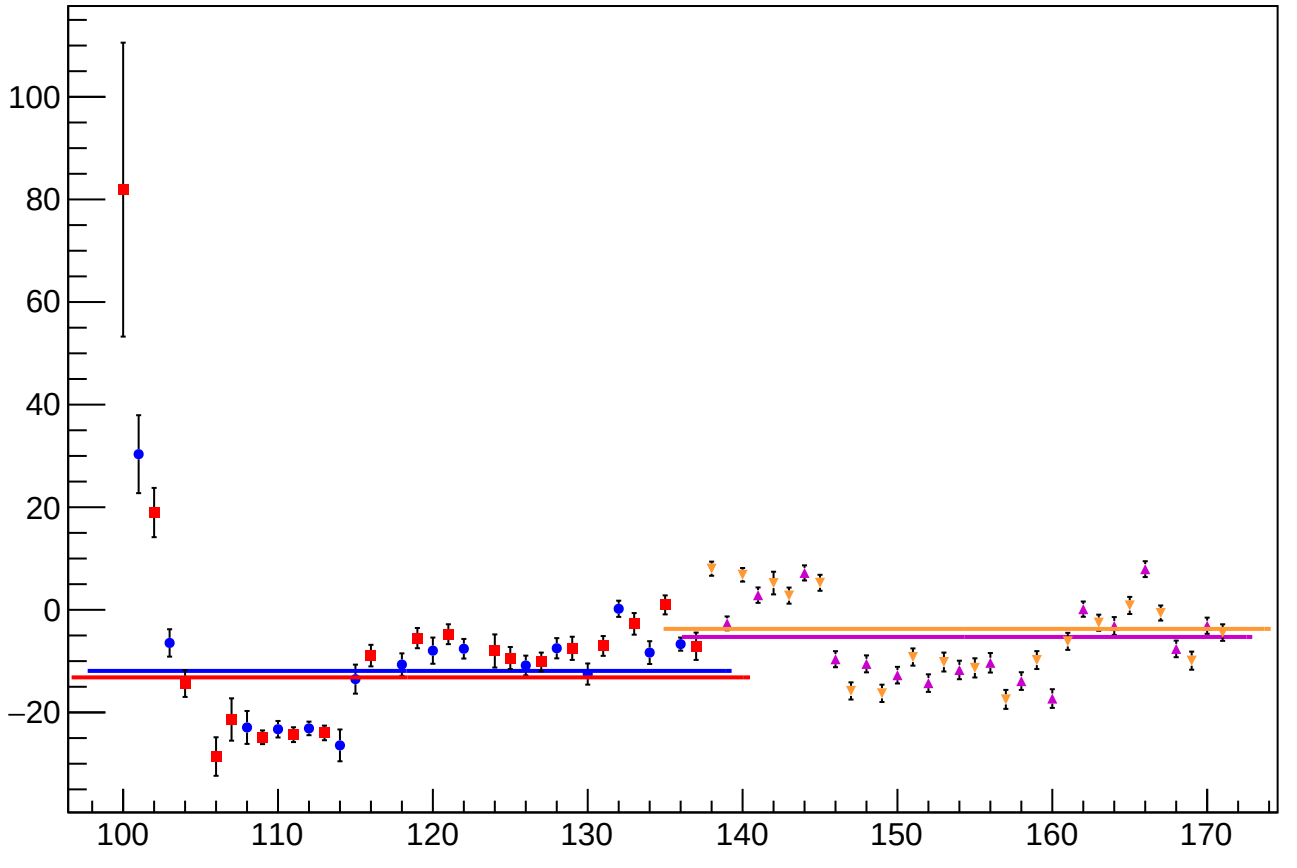
Left: -30.437+/-0.013 χ^2/NDF: 244859.5/33

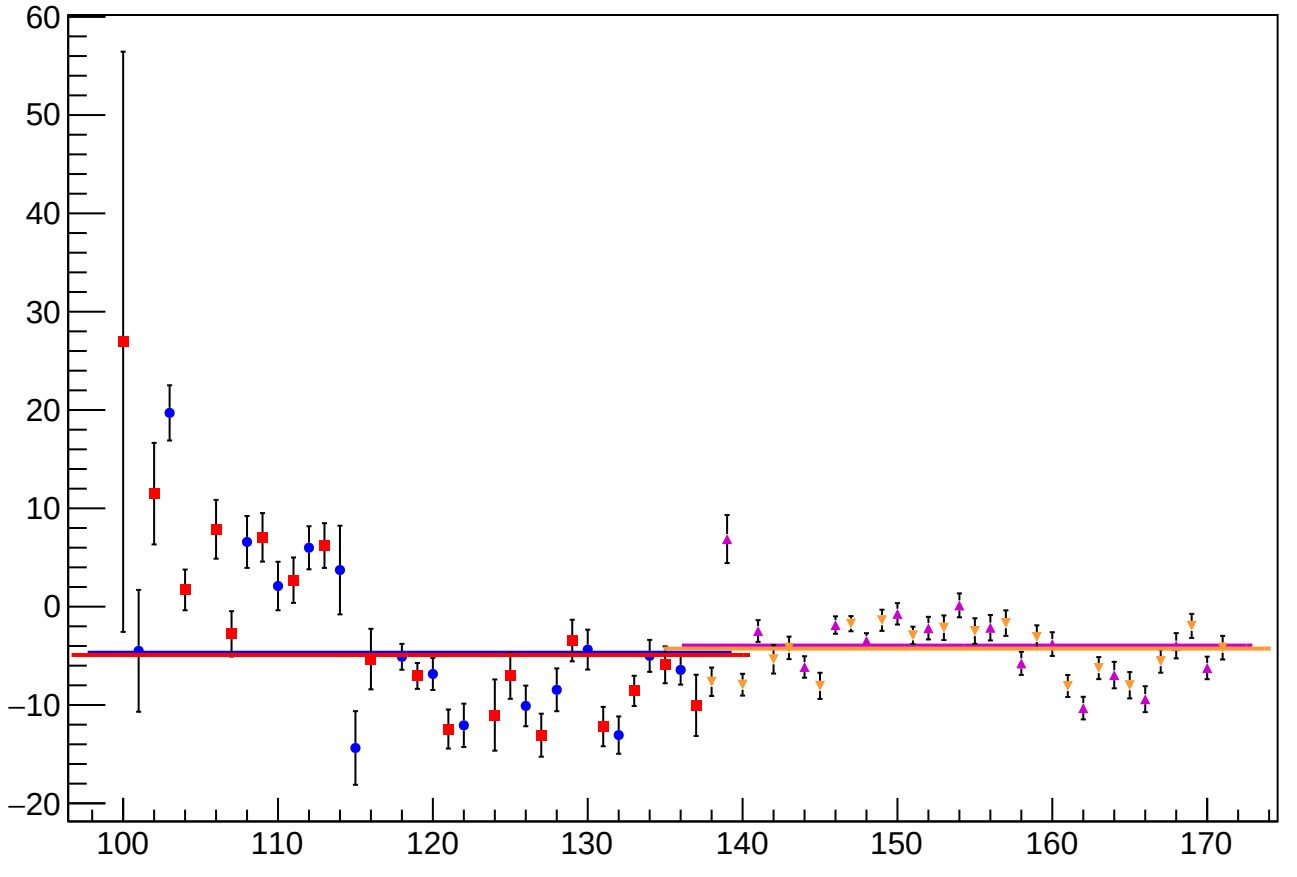
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.334+/-0.017 χ^2/NDF:134649.2/31

Out: -30.554+/-0.017 χ^2/NDF:247069.7/36

All: -30.446+/-0.012 χ^2/NDF: 381803.1/68


reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: -11.906+/-0.497 χ²/NDF: 282.1/15
Left Out: -3.716+/-0.387 χ²/NDF:444.2/17
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -5.290+/-0.403 χ²/NDF:351.6/15
Left: -4.471+/-0.279 χ²/NDF: 803.8/33
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -7.917+/-0.313 χ²/NDF:740.7/31
Out: -7.438+/-0.301 χ²/NDF:1100.7/36
All: -7.668+/-0.217 χ²/NDF: 1842.6/68



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: -3.958+/-0.285 χ^2/NDF:114.8/15

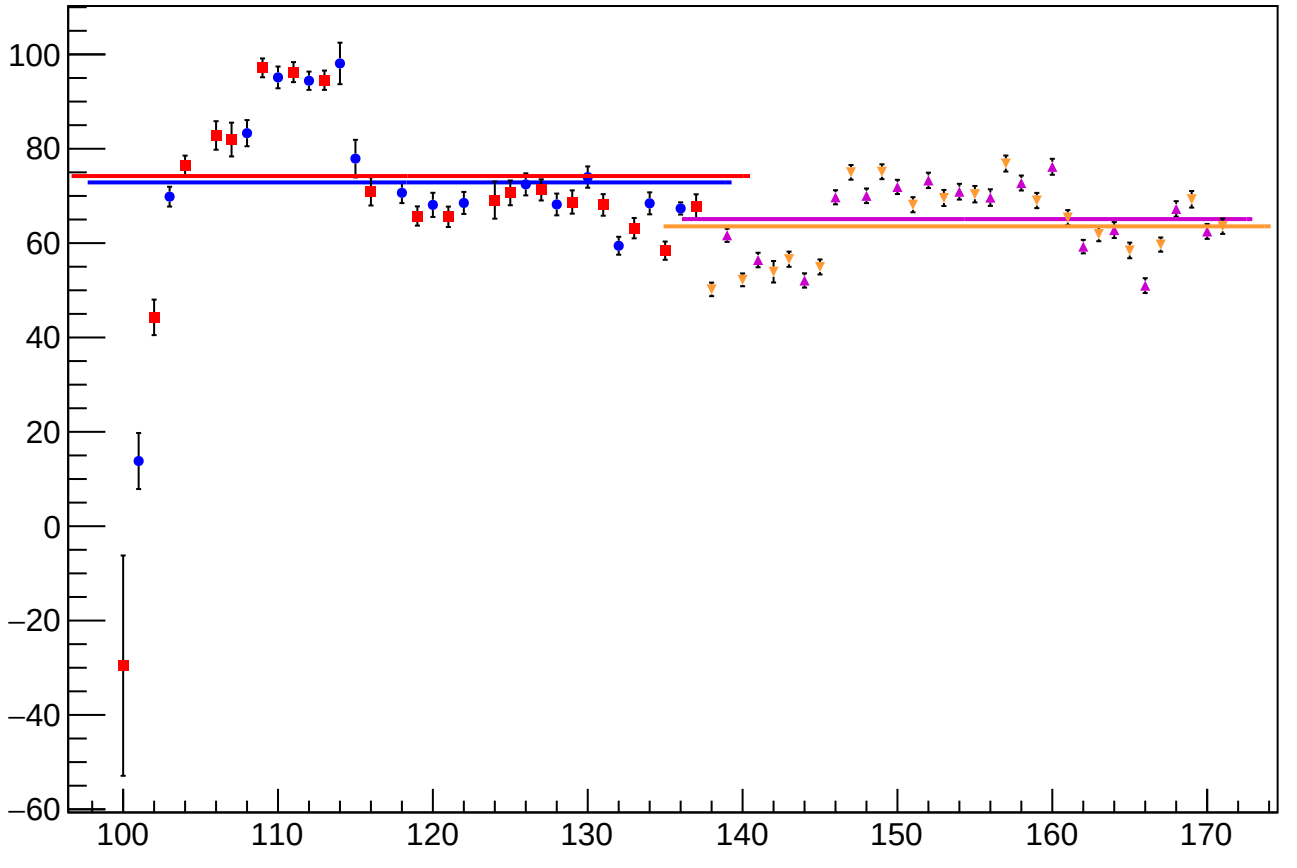
Left: -4.119+/-0.196 χ^2/NDF: 197.8/33

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.128+/-0.250 χ^2/NDF:295.4/31

Out: -4.405+/-0.239 χ^2/NDF:239.5/36

All: -4.272+/-0.173 χ^2/NDF: 535.5/68



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: 65.094+/-0.393 χ^2/NDF:364.5/15

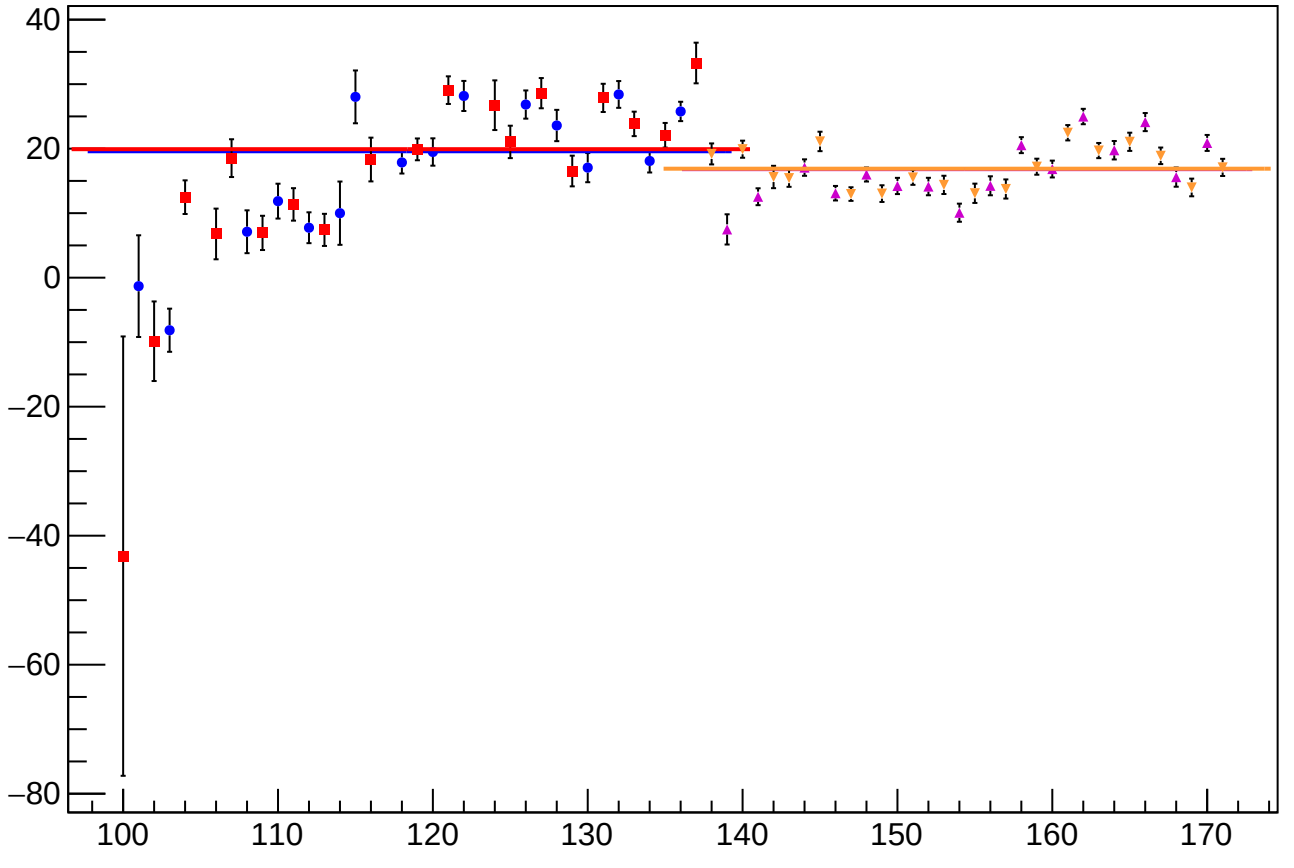
Left: 64.298+/-0.273 χ^2/NDF: 839.4/33

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

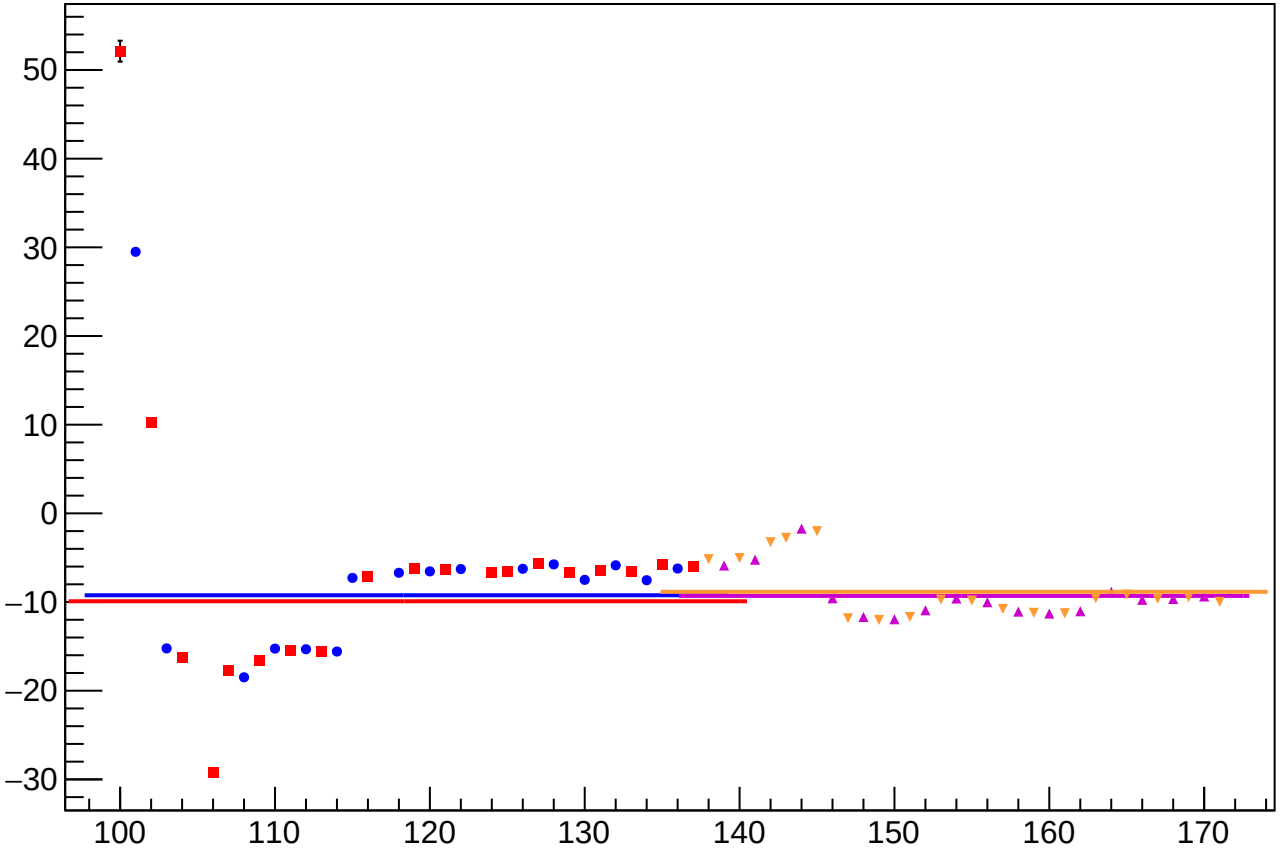
In: 67.626+/-0.323 χ^2/NDF:942.6/31

Out: 66.892+/-0.315 χ^2/NDF:1300.2/36

All: 67.250+/-0.225 χ^2/NDF: 2245.5/68


reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 19.598+/-0.585 χ²/NDF: 196.0/15
Left Out: 16.893+/-0.313 χ²/NDF:98.5/17
Right Out: 19.919+/-0.585 χ²/NDF: 181.3/18
Left In: 16.822+/-0.330 χ²/NDF:171.2/15
Left: 16.860+/-0.227 χ²/NDF: 269.7/33
Right: 19.759+/-0.414 χ²/NDF: 377.5/34
In: 17.491+/-0.287 χ²/NDF:384.2/31
Out: 17.566+/-0.276 χ²/NDF:300.6/36
All: 17.530+/-0.199 χ²/NDF: 684.9/68

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: -9.310+/-0.015 χ^2/NDF:28972.6/15

Left: -9.071+/-0.010 χ^2/NDF: 74002.6/33

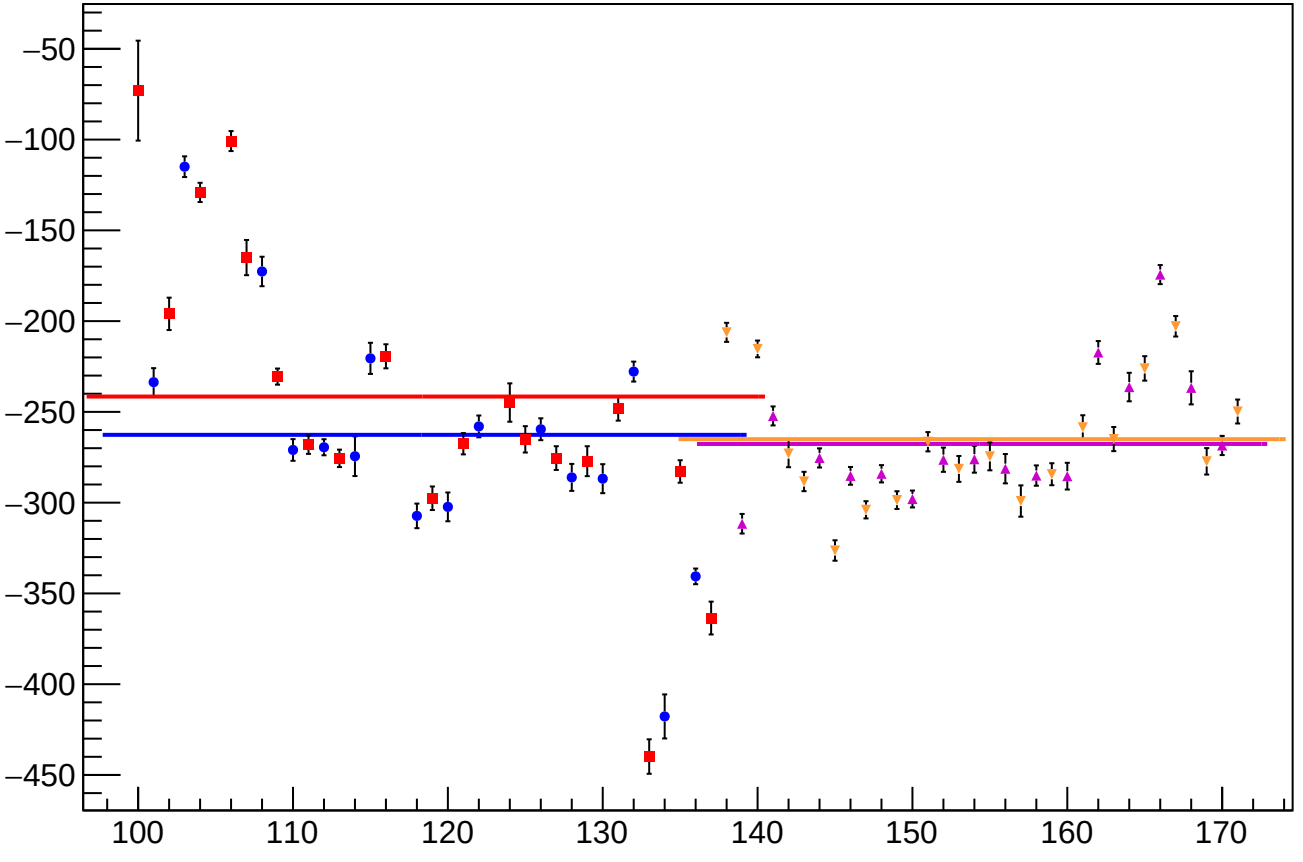
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.298+/-0.013 χ^2/NDF:60136.2/31

Out: -9.001+/-0.013 χ^2/NDF:99196.7/36

All: -9.147+/-0.009 χ^2/NDF: 159582.4/68

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: -267.665+/-1.458 χ^2/NDF:573.0/15

Left: -266.297+/-1.011 χ^2/NDF: 1266.8/33

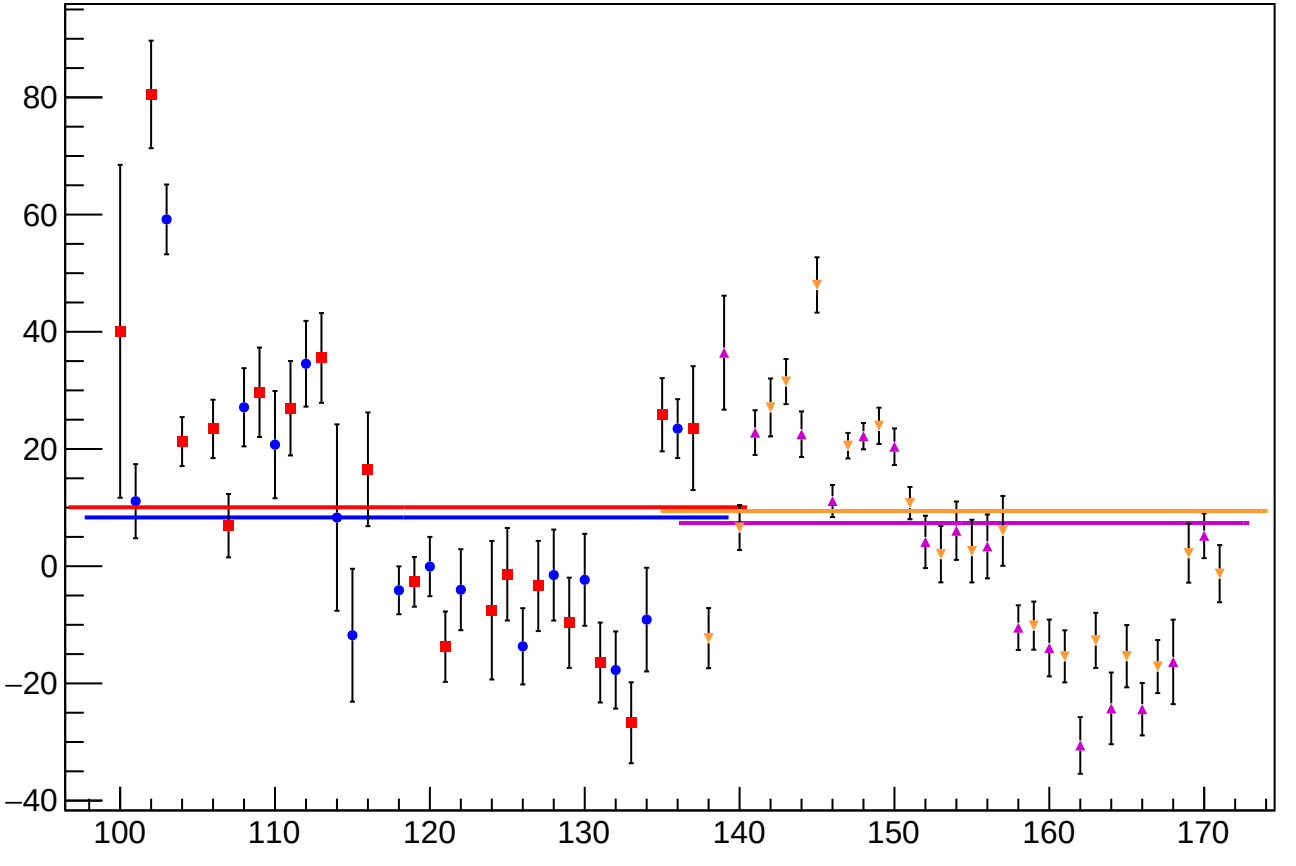
Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

In: -265.408+/-1.082 χ^2/NDF:2032.6/31

Out: -254.111+/-1.027 χ^2/NDF:2960.7/36

All: -259.466+/-0.745 χ^2/NDF: 5050.7/68

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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: 7.372+/-0.989 χ^2/NDF:295.6/15

Left: 8.445+/-0.681 χ^2/NDF: 620.2/33

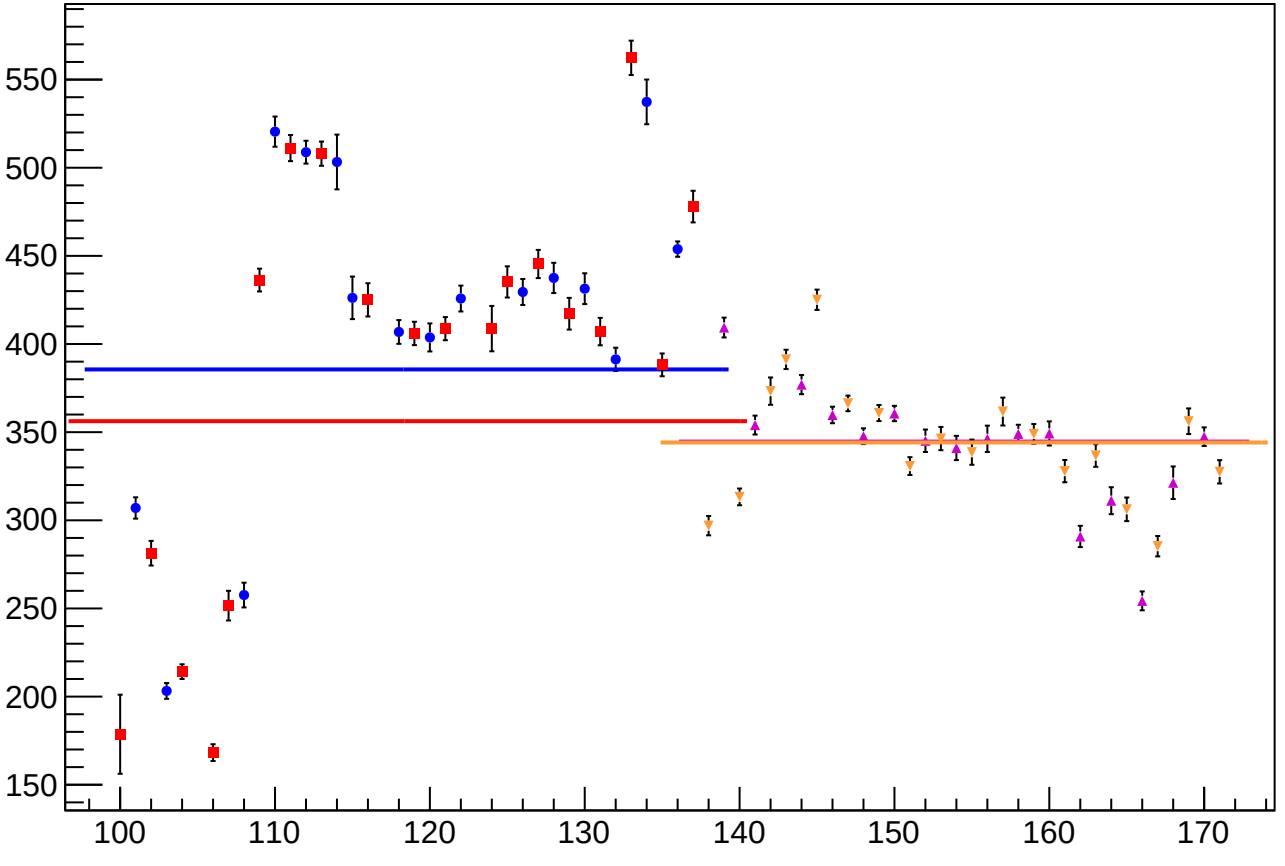
Right: 9.243+/-1.123 χ^2/NDF: 345.7/34

In: 7.624+/-0.847 χ^2/NDF:453.5/31

Out: 9.587+/-0.802 χ^2/NDF:509.9/36

All: 8.660+/-0.582 χ^2/NDF: 966.3/68

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: 344.653+/-1.416 χ^2/NDF:586.3/15

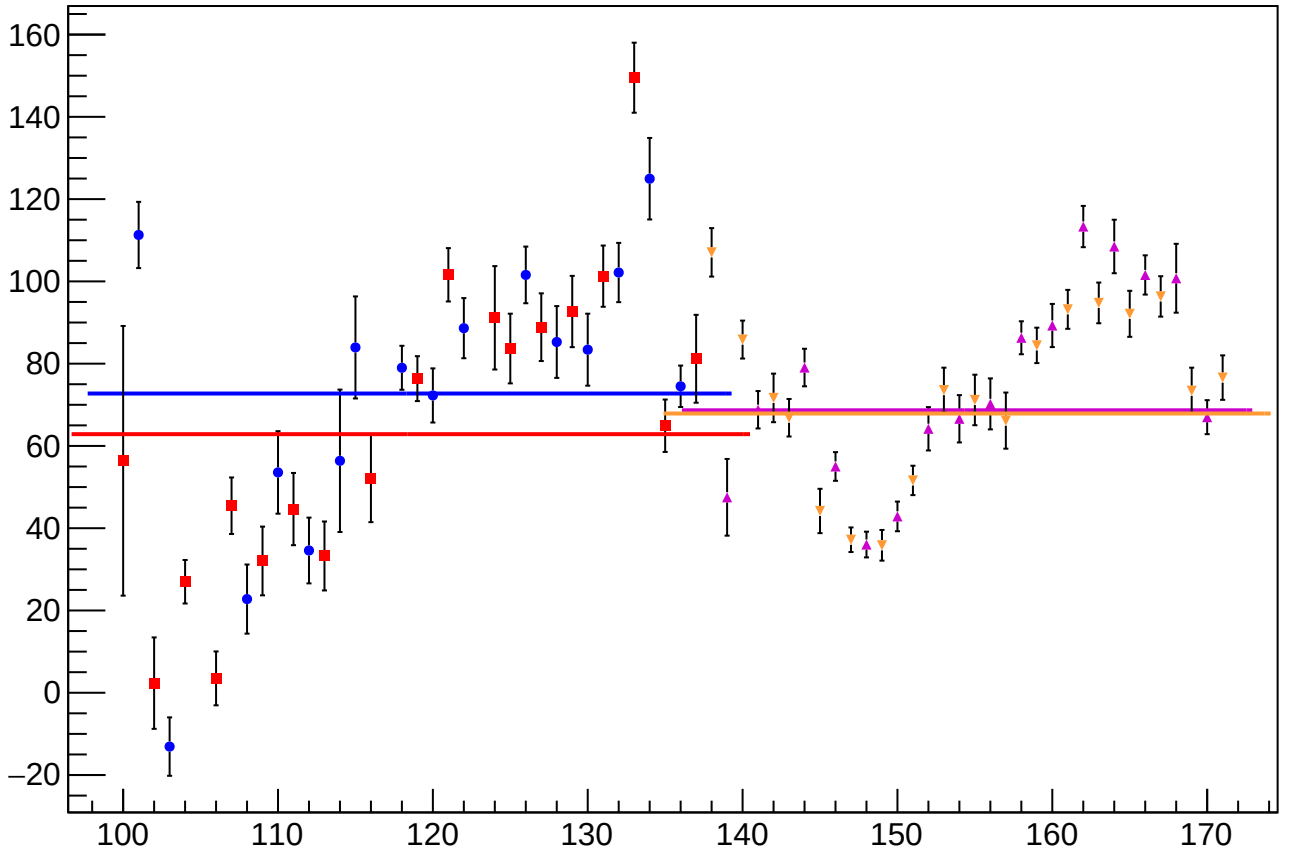
Left: 344.395+/-0.986 χ^2/NDF: 1193.2/33

Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 360.942+/-1.099 χ^2/NDF:4291.8/31

Out: 349.115+/-1.055 χ^2/NDF:5908.9/36

All: 354.786+/-0.761 χ^2/NDF: 10261.0/68



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: 68.662+/-1.162 χ^2/NDF:400.6/15

Left: 68.255+/-0.803 χ^2/NDF: 810.3/33

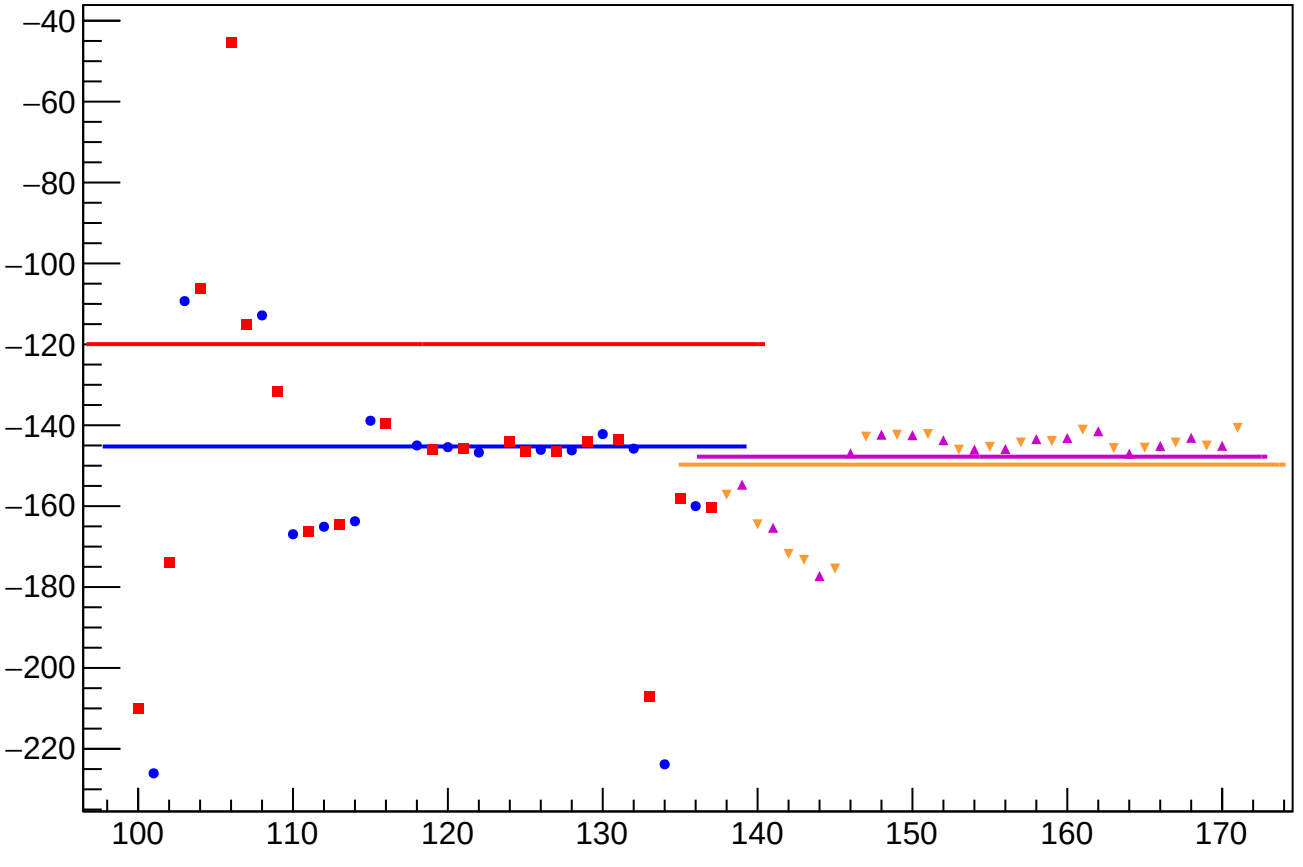
Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 69.775+/-0.991 χ^2/NDF:708.2/31

Out: 66.492+/-0.945 χ^2/NDF:818.7/36

All: 68.055+/-0.684 χ^2/NDF: 1532.7/68

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -147.767+/-0.054 χ^2/NDF:26881.6/15

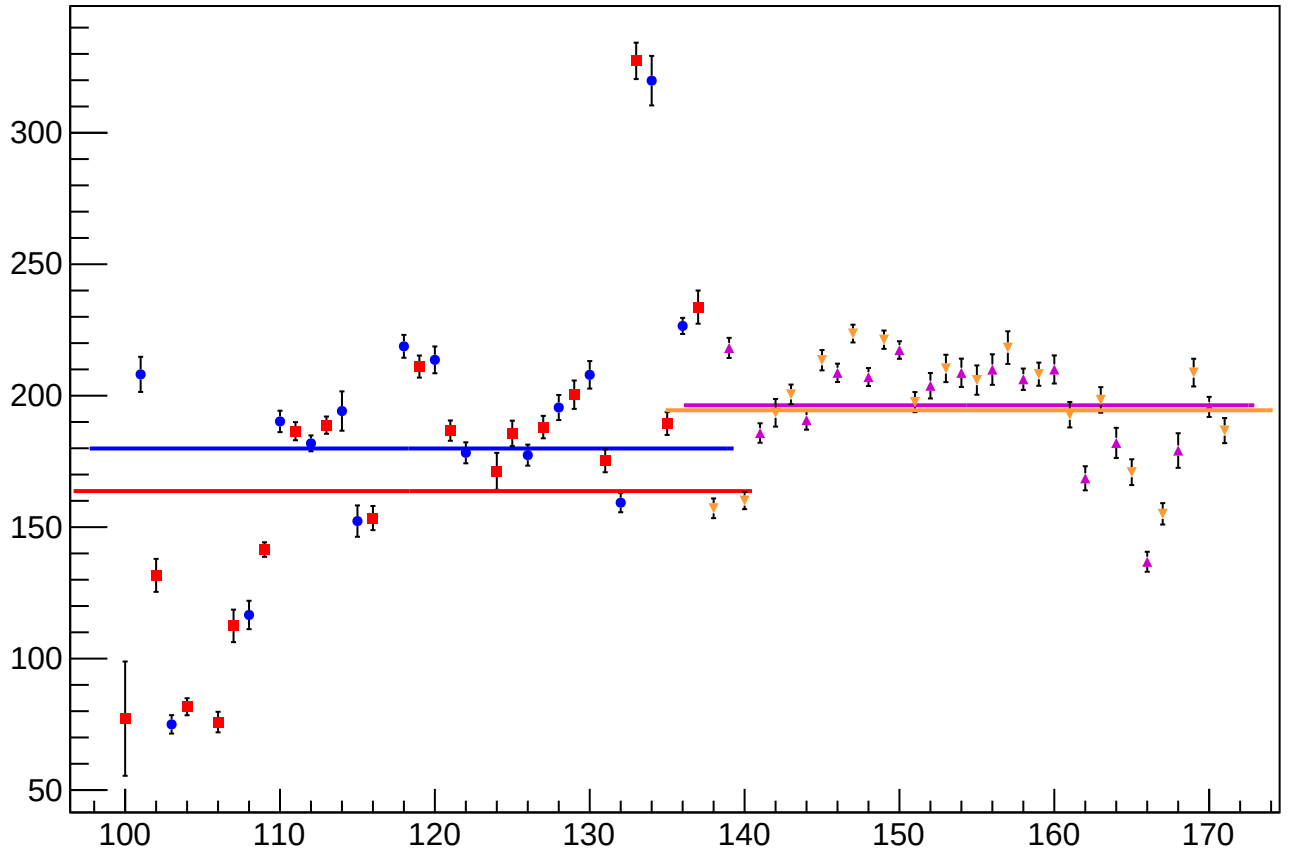
Left: -148.772+/-0.038 χ^2/NDF: 72502.7/33

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -147.186+/-0.047 χ^2/NDF:159444.5/31

Out: -141.991+/-0.045 χ^2/NDF:398250.5/36

All: -144.485+/-0.033 χ^2/NDF: 563990.5/68



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: 196.346+/-1.046 χ^2/NDF:426.0/15

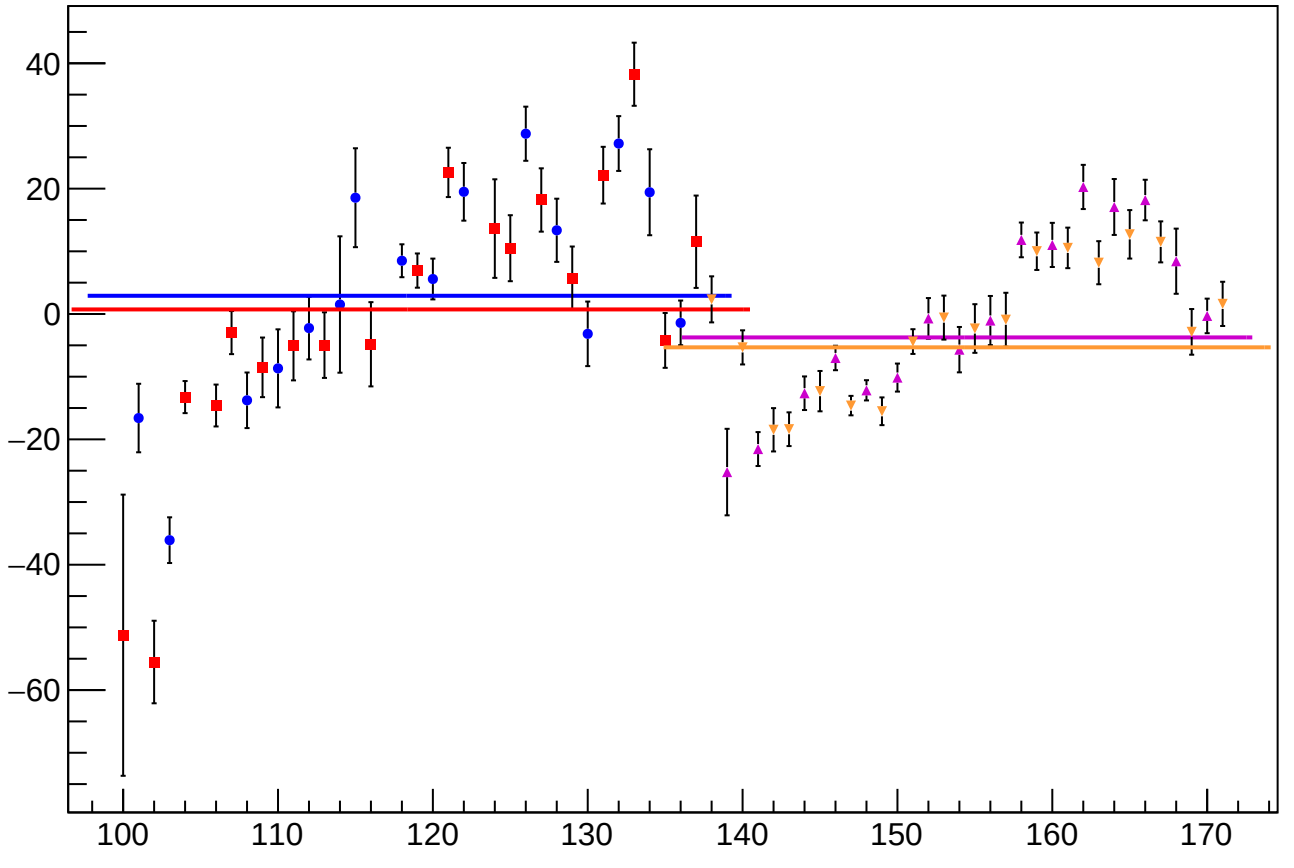
Left: 195.371+/-0.724 χ^2/NDF: 963.2/33

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 188.463+/-0.754 χ^2/NDF:2277.2/31

Out: 179.038+/-0.709 χ^2/NDF:3422.7/36

All: 183.460+/-0.517 χ^2/NDF: 5782.8/68



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: -3.736+/-0.710 χ^2/NDF:274.2/15

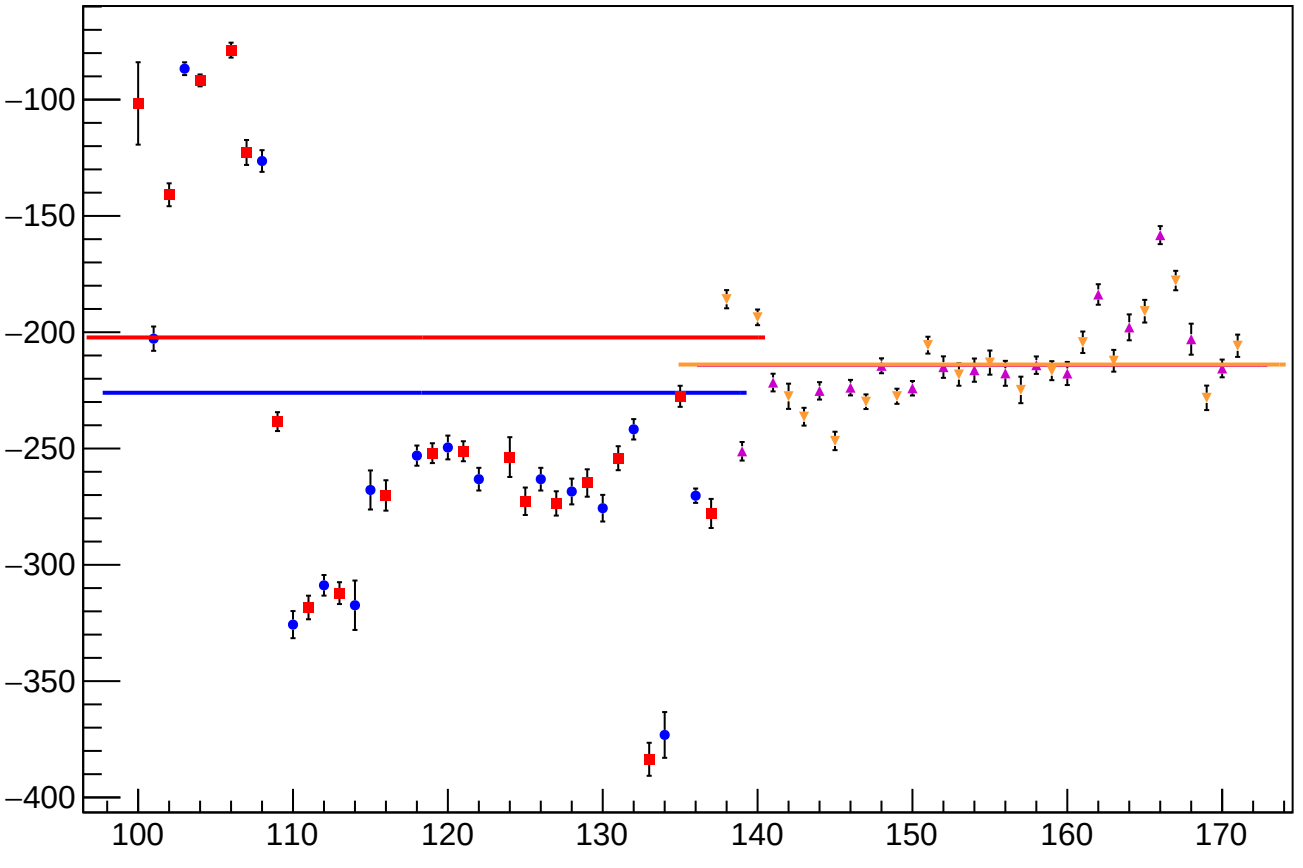
Left: -4.570+/-0.488 χ^2/NDF: 503.0/33

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.795+/-0.597 χ^2/NDF:547.3/31

Out: -3.467+/-0.560 χ^2/NDF:524.6/36

All: -2.685+/-0.408 χ^2/NDF: 1076.1/68



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: -214.114+/-1.017 χ^2/NDF:385.8/15

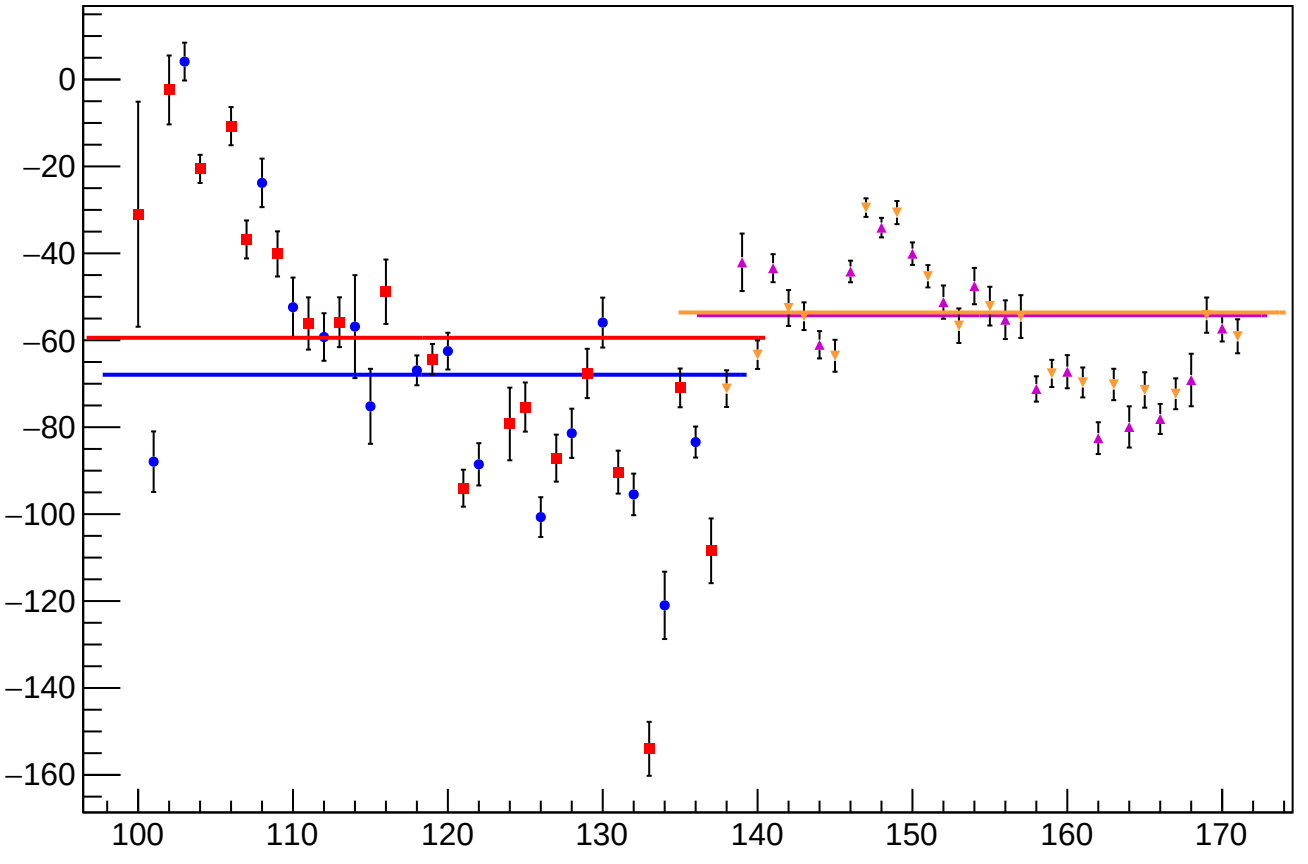
Left: -213.998+/-0.707 χ^2/NDF: 748.1/33

Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -219.214+/-0.769 χ^2/NDF:4983.6/31

Out: -208.648+/-0.729 χ^2/NDF:7116.1/36

All: -213.653+/-0.529 χ^2/NDF: 12199.2/68



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -53.603+/-0.796 χ^2/NDF:359.5/17

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -54.233+/-0.835 χ^2/NDF:339.0/15

Left: -53.903+/-0.576 χ^2/NDF: 698.8/33

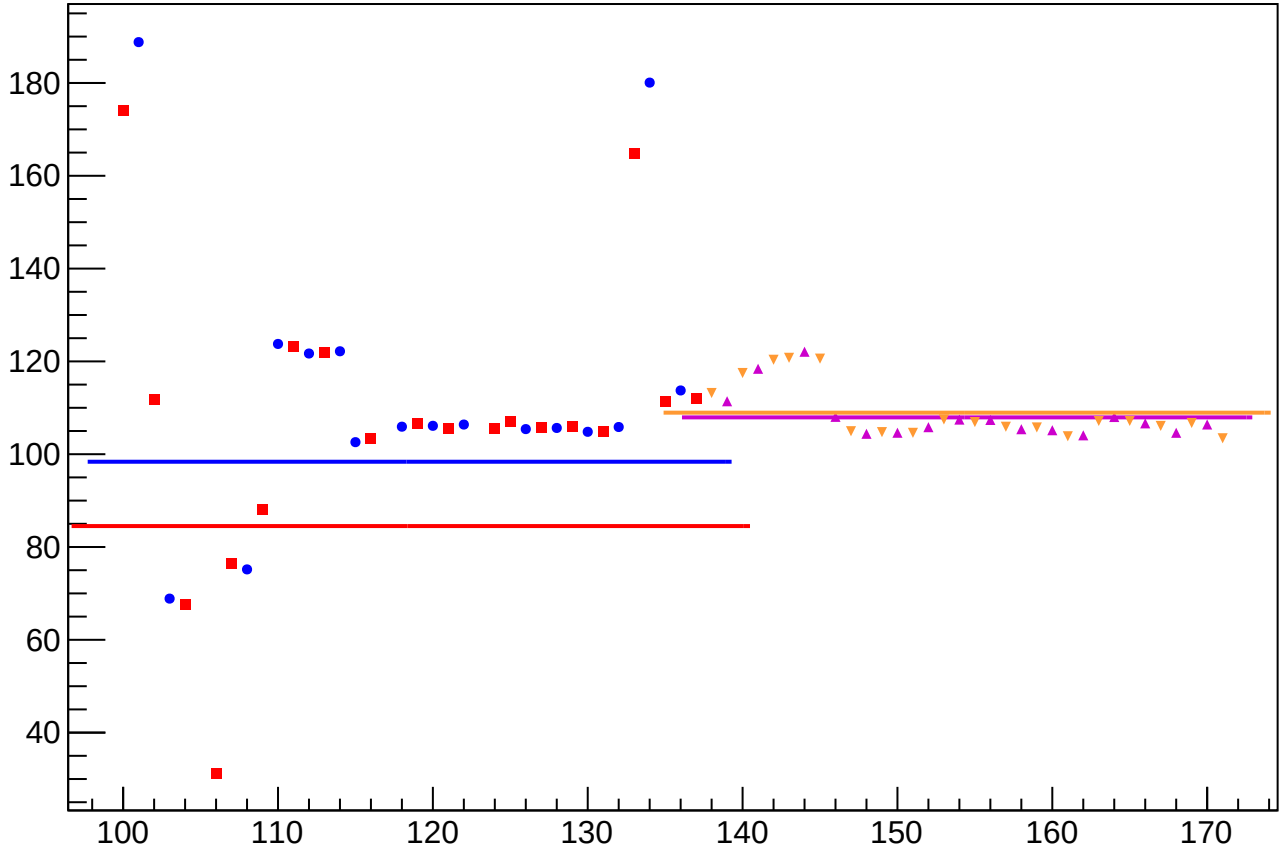
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -58.329+/-0.699 χ^2/NDF:953.5/31

Out: -55.416+/-0.661 χ^2/NDF:1171.0/36

All: -56.790+/-0.480 χ^2/NDF: 2133.7/68

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: 107.935+/-0.039 χ^2/NDF:15465.6/15

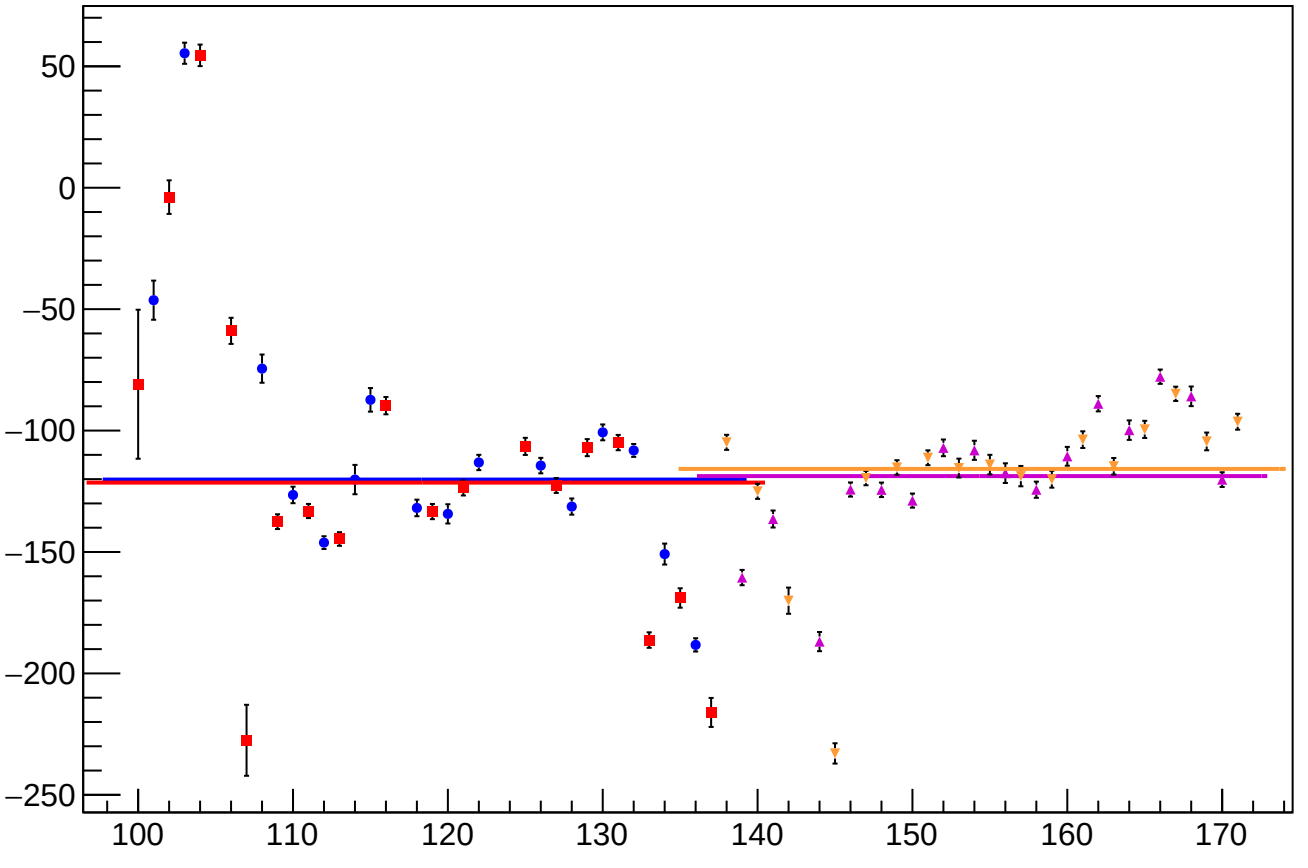
Left: 108.455+/-0.027 χ^2/NDF: 39908.5/33

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

In: 105.493+/-0.033 χ^2/NDF:259481.5/31

Out: 102.102+/-0.032 χ^2/NDF:409952.9/36

All: 103.732+/-0.023 χ^2/NDF: 674796.9/68



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: -118.741+/-0.842 χ^2/NDF:915.1/15

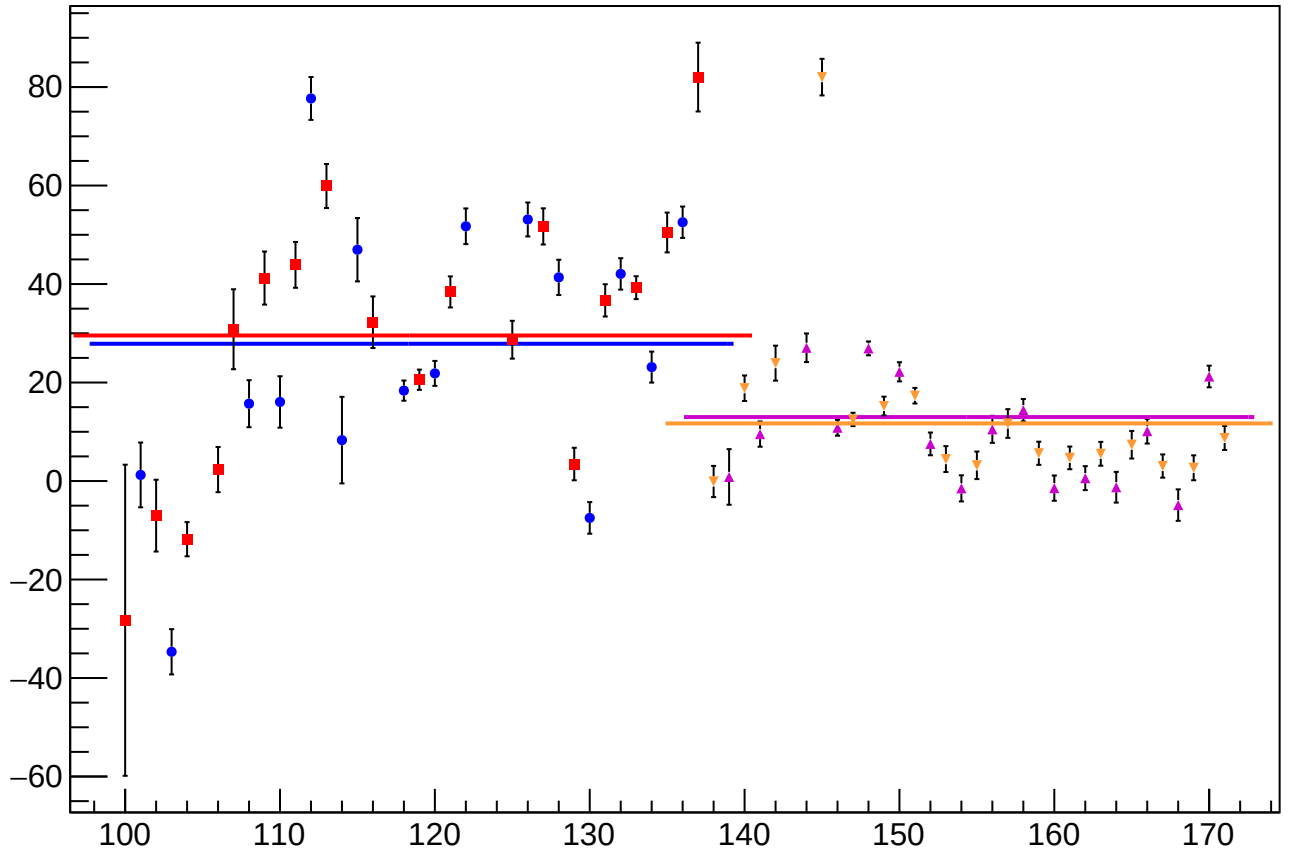
Left: -117.245+/-0.593 χ^2/NDF: 2021.9/32

Right: -120.808+/-0.624 χ^2/NDF: 5818.5/33

In: -119.419+/-0.612 χ^2/NDF:3607.7/31

Out: -118.463+/-0.604 χ^2/NDF:4248.6/34

All: -118.935+/-0.430 χ^2/NDF: 7857.5/66



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: 12.984+/-0.578 χ^2/NDF:313.6/15

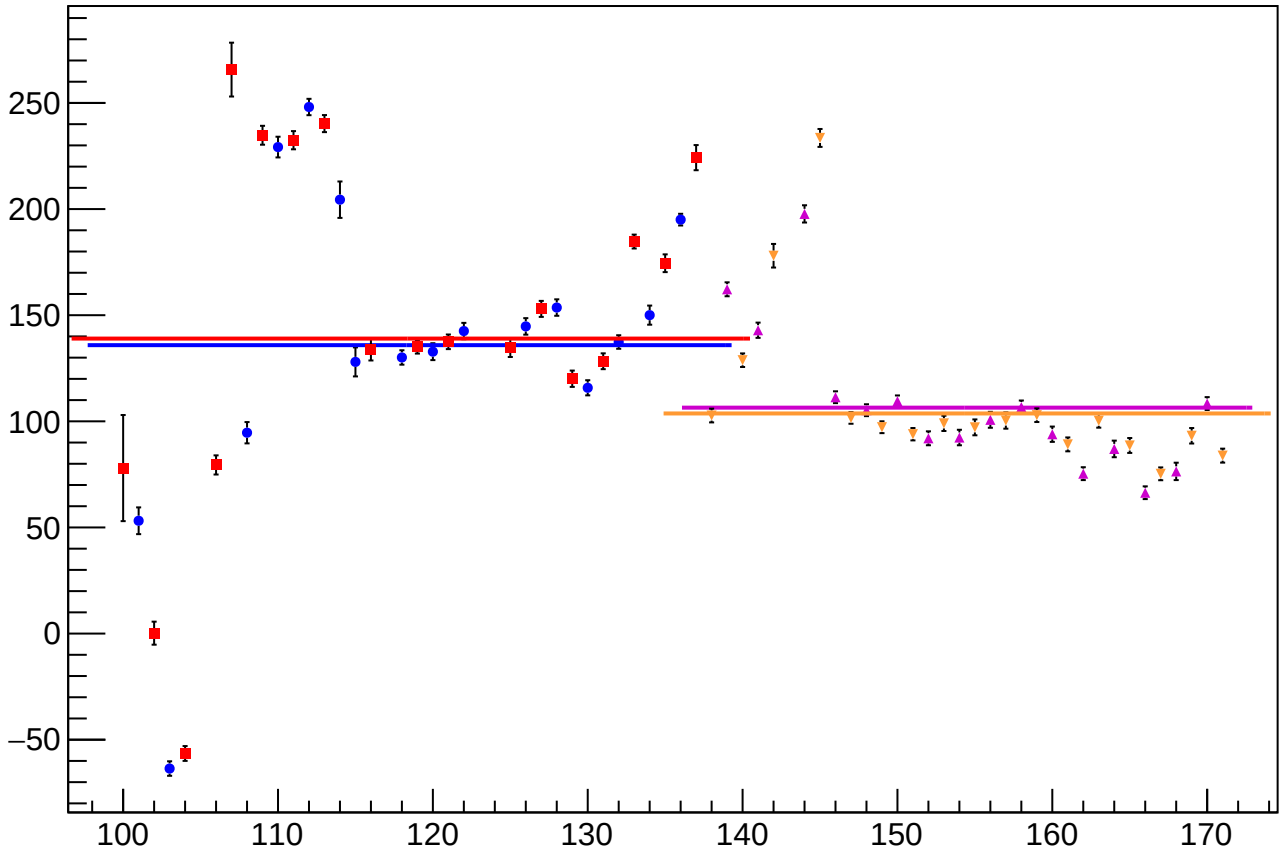
Left: 12.322+/-0.402 χ^2/NDF: 793.4/32

Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 17.414+/-0.484 χ^2/NDF:1210.5/31

Out: 16.775+/-0.474 χ^2/NDF:1263.0/34

All: 17.088+/-0.339 χ^2/NDF: 2474.5/66



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: 106.443+/-0.817 χ^2/NDF:1310.6/15

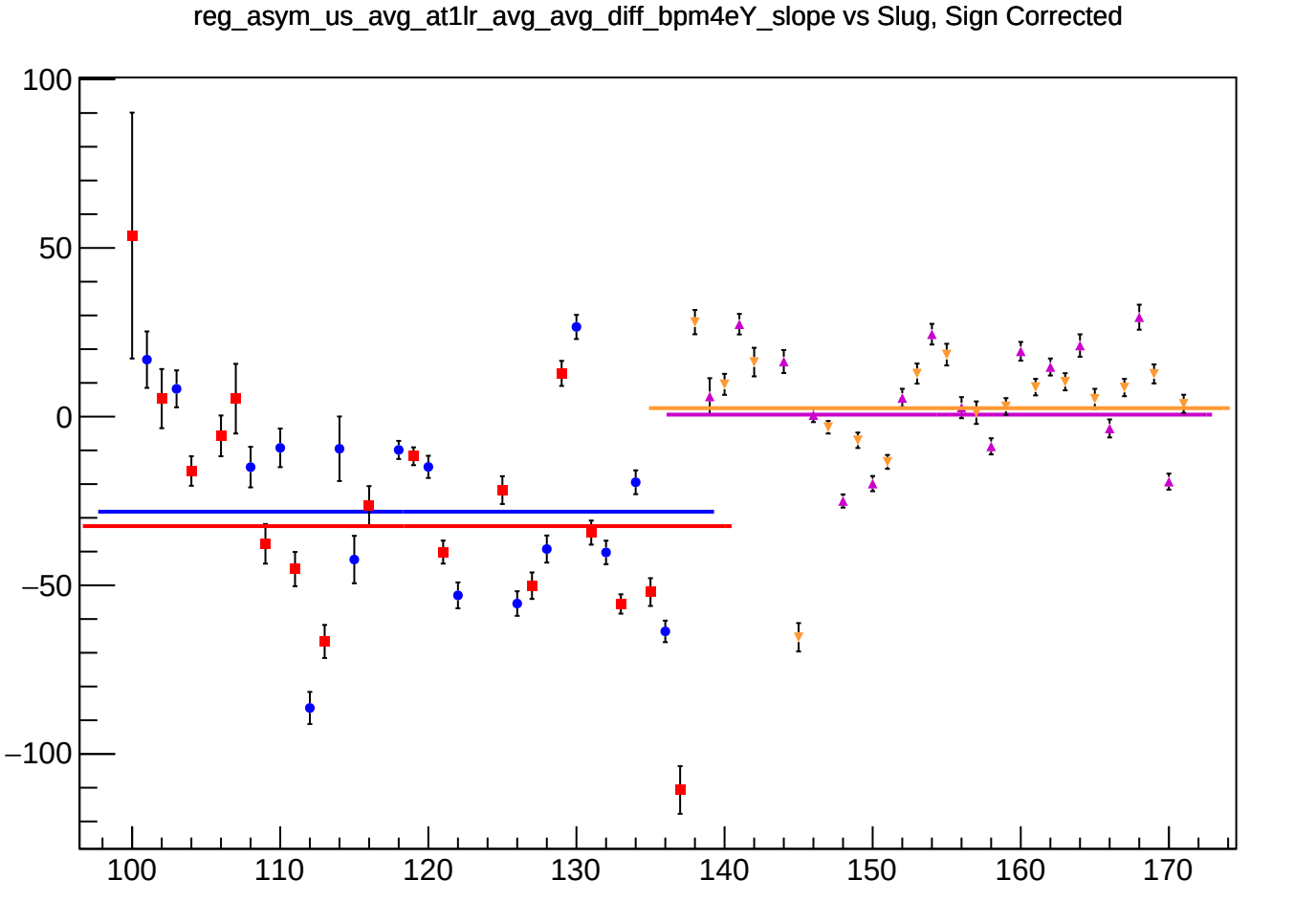
Left: 105.064+/-0.576 χ^2/NDF: 2698.1/32

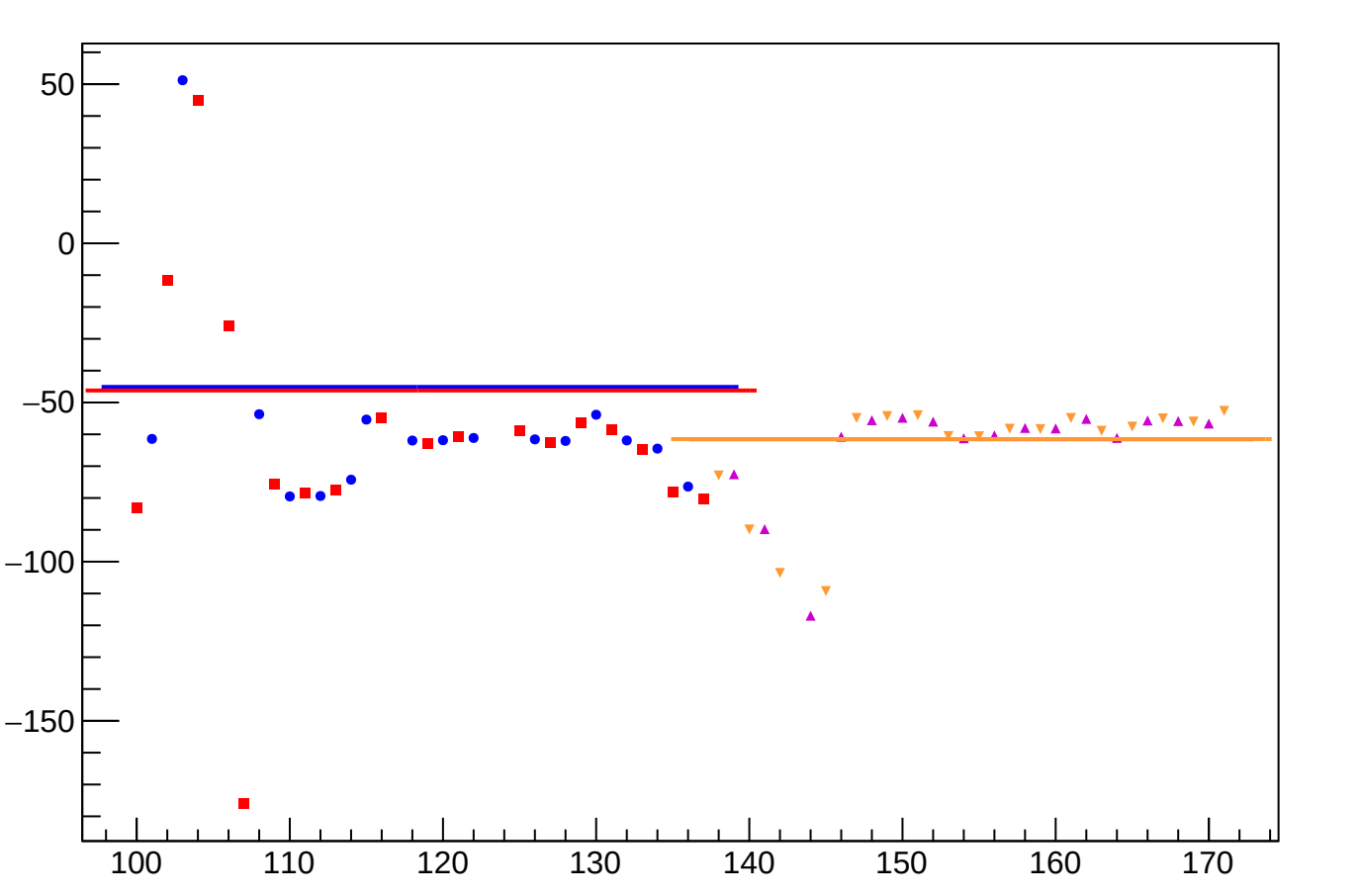
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 118.242+/-0.632 χ^2/NDF:7295.2/31

Out: 117.737+/-0.630 χ^2/NDF:8290.5/34

All: 117.989+/-0.446 χ^2/NDF: 15586.0/66


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -28.175+/-1.022 χ²/NDF: 791.2/15
Left Out: 2.517+/-0.656 χ²/NDF:485.5/16
Right Out: -32.459+/-1.027 χ²/NDF: 580.8/17
Left In: 0.591+/-0.673 χ²/NDF:680.6/15
Left: 1.580+/-0.470 χ²/NDF: 1170.2/32
Right: -30.307+/-0.725 χ²/NDF: 1380.8/33
In: -8.114+/-0.562 χ²/NDF:2024.0/31
Out: -7.611+/-0.553 χ²/NDF:1889.7/34
All: -7.858+/-0.394 χ²/NDF: 3914.1/66



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: -61.542+/-0.031 χ^2/NDF:158048.3/15

Left: -61.515+/-0.022 χ^2/NDF: 350977.1/32

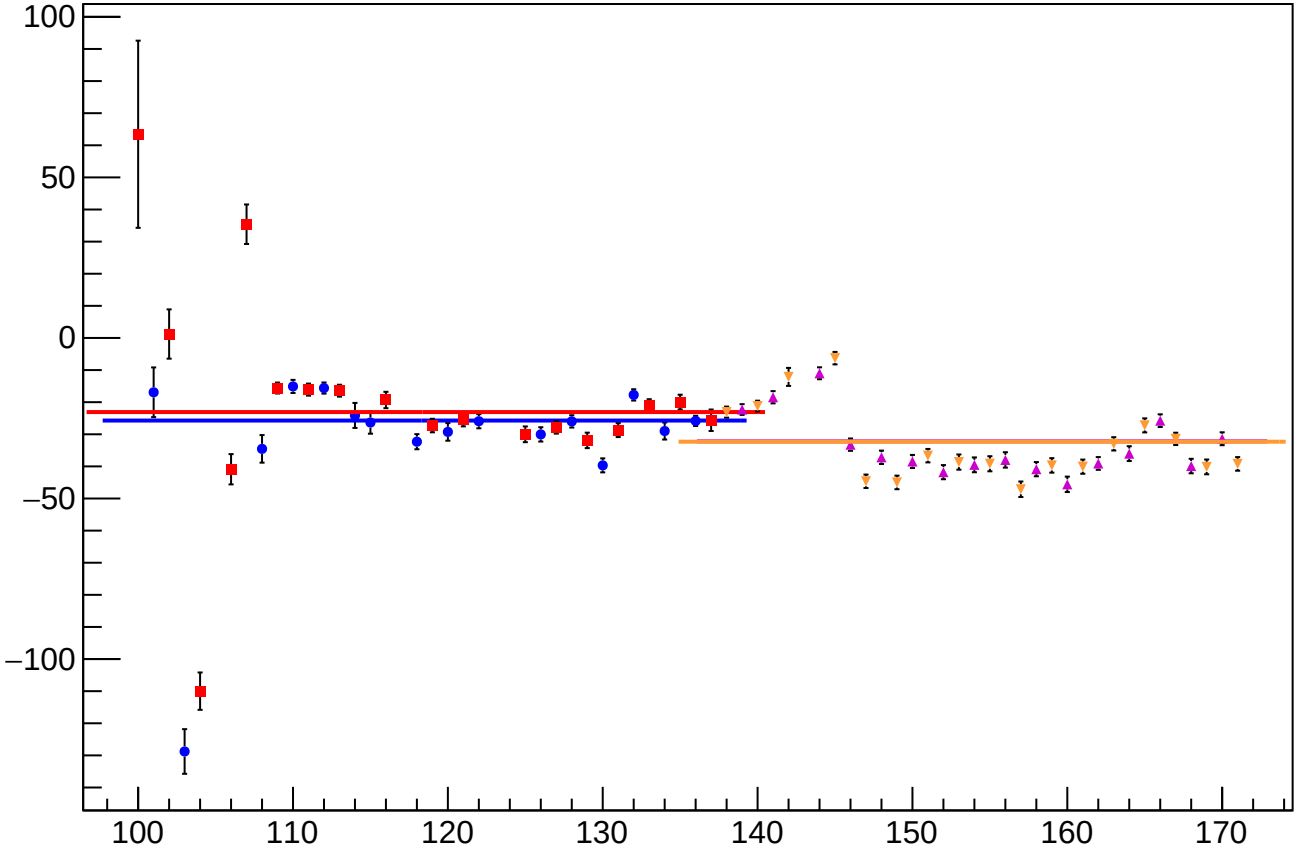
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -58.167+/-0.027 χ^2/NDF:792602.6/31

Out: -58.582+/-0.027 χ^2/NDF:734666.9/34

All: -58.374+/-0.019 χ^2/NDF: 1527385.0/66

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: -32.206+/-0.516 χ^2/NDF:351.0/15

Left: -32.258+/-0.363 χ^2/NDF: 833.3/32

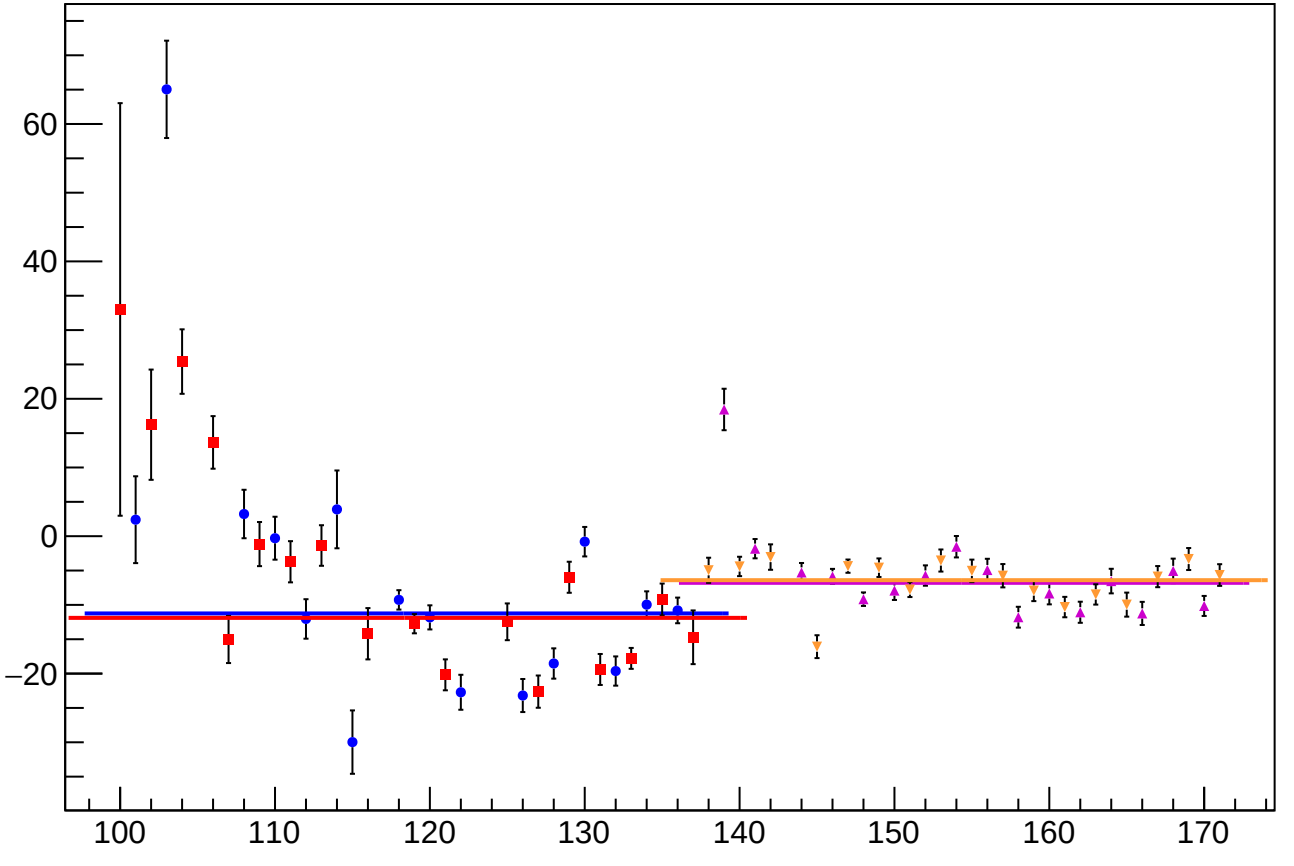
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.396+/-0.389 χ^2/NDF:782.4/31

Out: -28.283+/-0.384 χ^2/NDF:1061.3/34

All: -28.833+/-0.273 χ^2/NDF: 1847.9/66

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: -6.787+/-0.365 χ^2/NDF:137.0/15

Left: -6.590+/-0.255 χ^2/NDF: 207.2/32

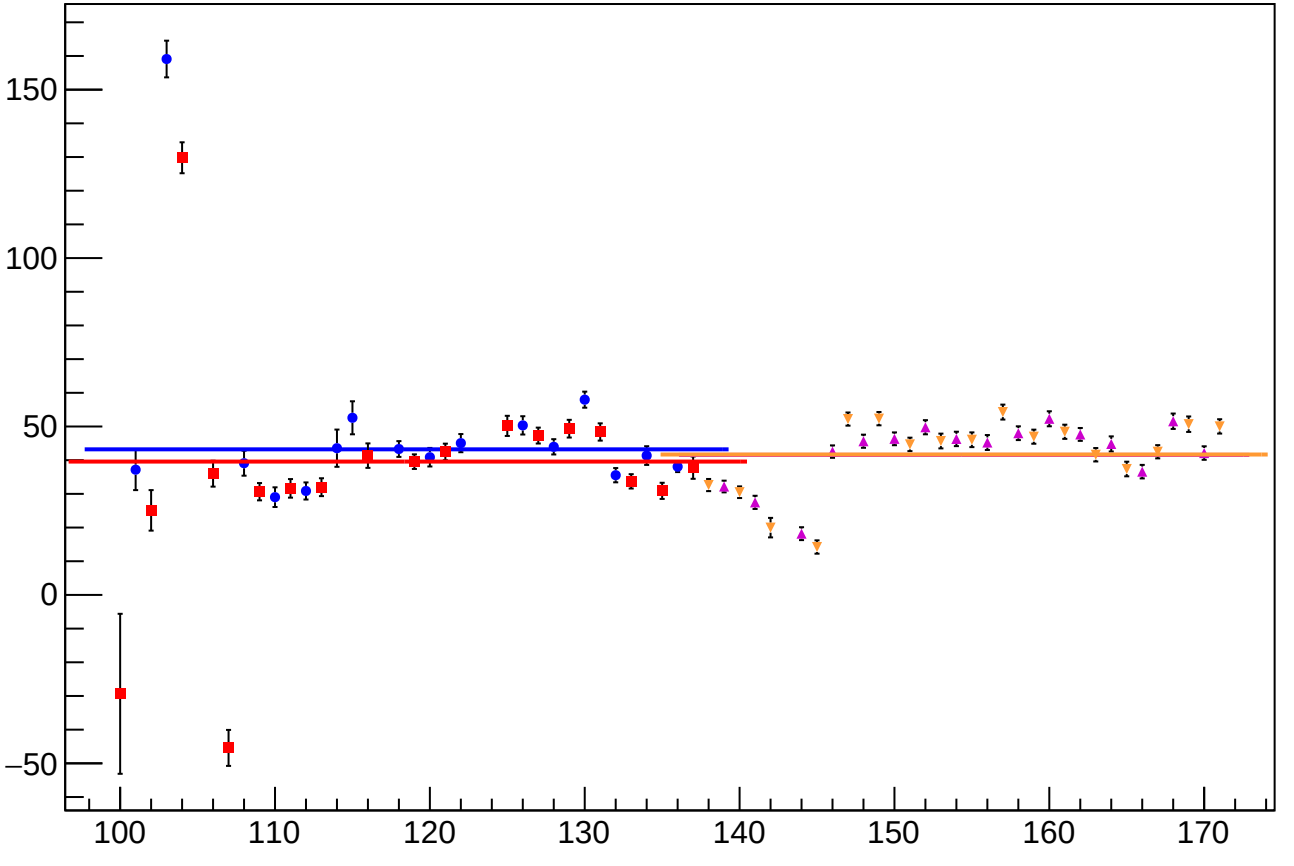
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.993+/-0.312 χ^2/NDF:448.4/31

Out: -7.806+/-0.307 χ^2/NDF:355.0/34

All: -7.898+/-0.219 χ^2/NDF: 803.5/66

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 41.683+/-0.501 χ^2/NDF:466.9/16

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 41.565+/-0.503 χ^2/NDF:334.8/15

Left: 41.624+/-0.355 χ^2/NDF: 801.7/32

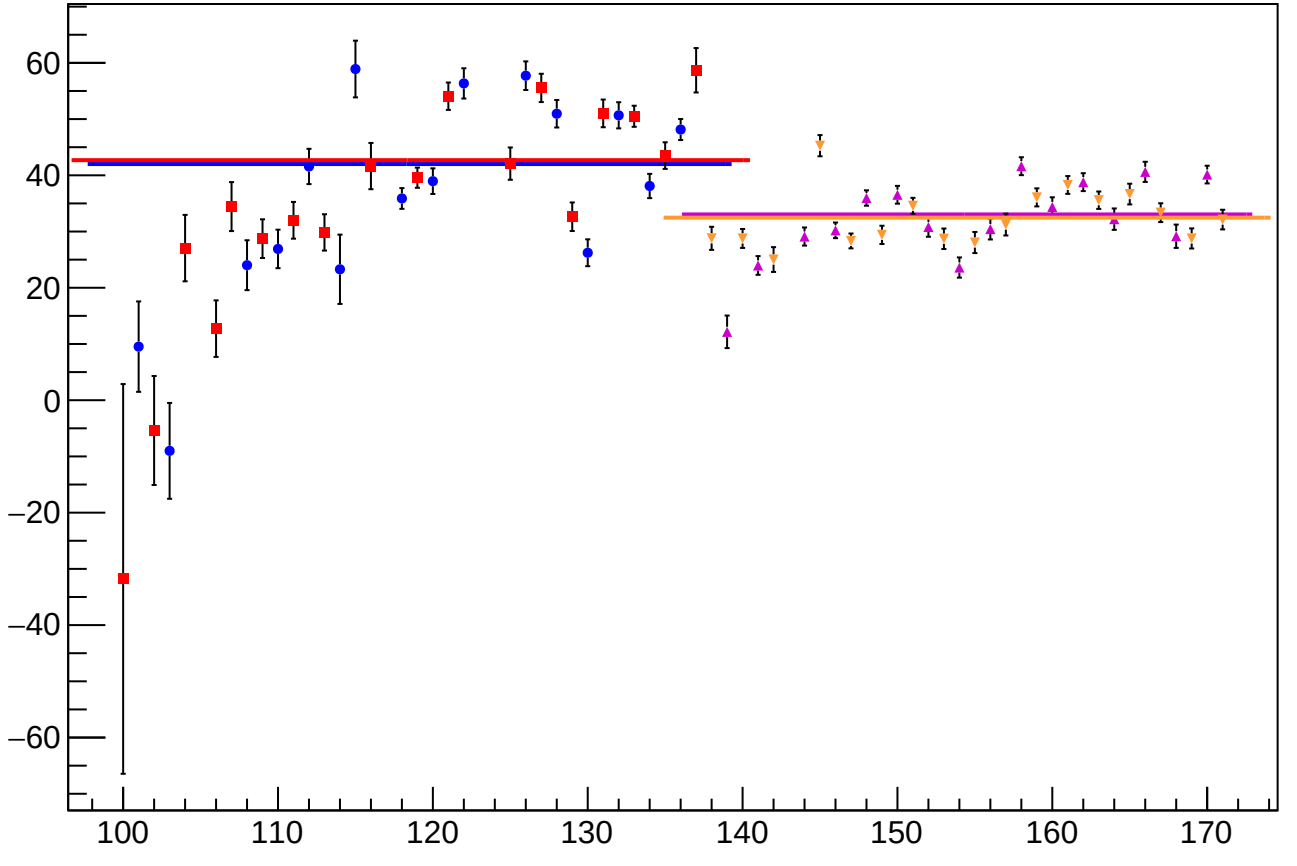
Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.154+/-0.404 χ^2/NDF:914.6/31

Out: 40.953+/-0.404 χ^2/NDF:1227.0/34

All: 41.553+/-0.286 χ^2/NDF: 2146.0/66

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: 33.038+/-0.423 χ^2/NDF:217.0/15

Left: 32.746+/-0.295 χ^2/NDF: 341.6/32

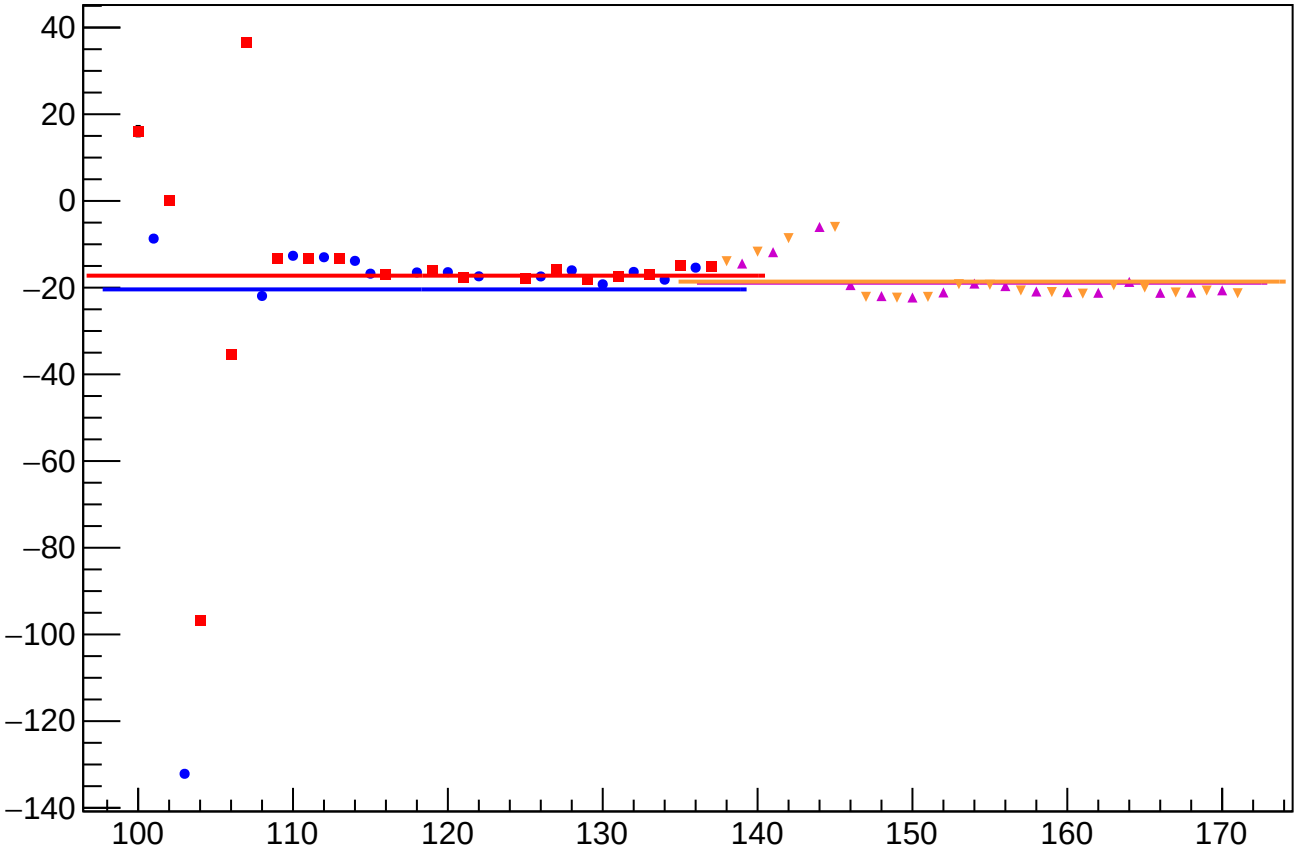
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.518+/-0.360 χ^2/NDF:614.2/31

Out: 35.135+/-0.355 χ^2/NDF:514.2/34

All: 35.324+/-0.253 χ^2/NDF: 1129.0/66

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: -18.866+/-0.019 χ^2/NDF:45047.8/15

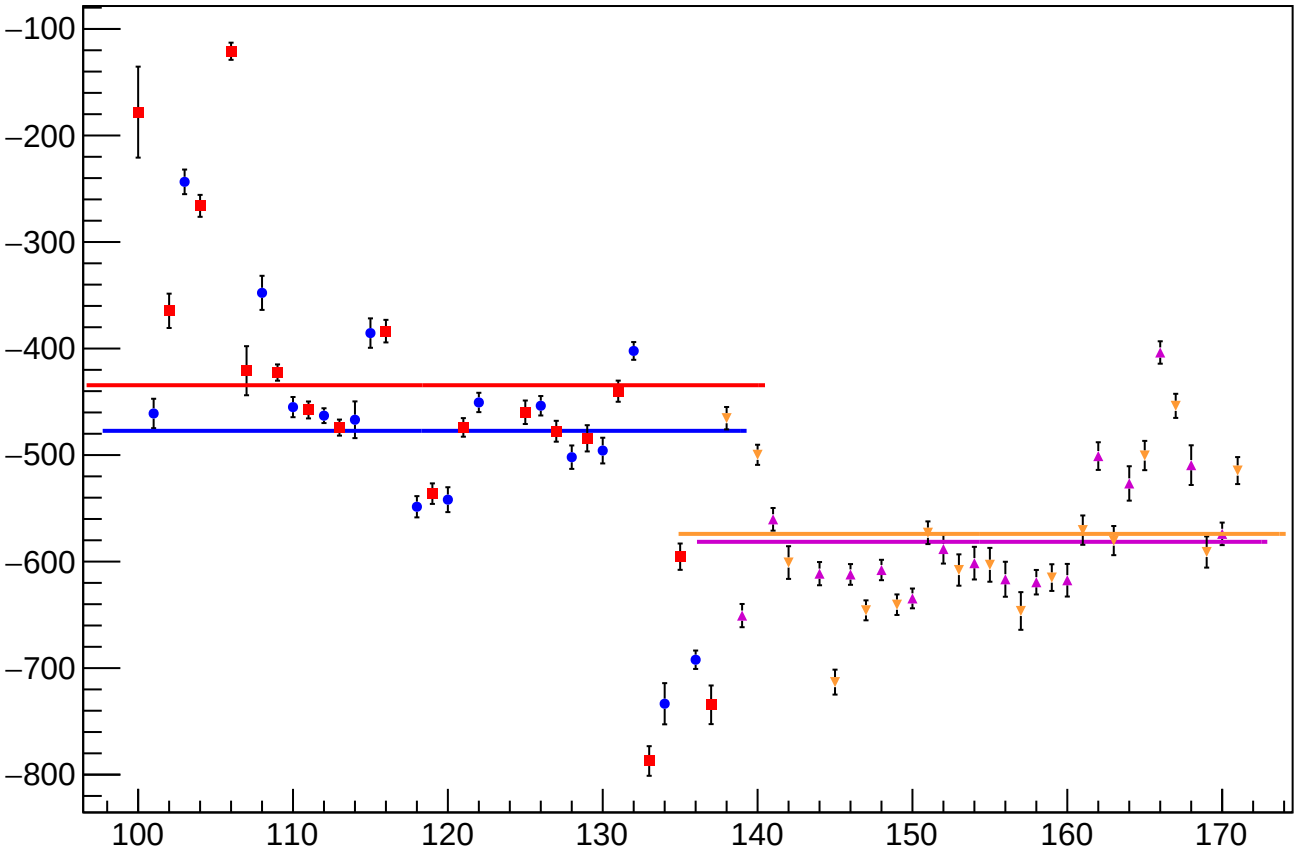
Left: -18.736+/-0.013 χ^2/NDF: 103810.0/32

Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

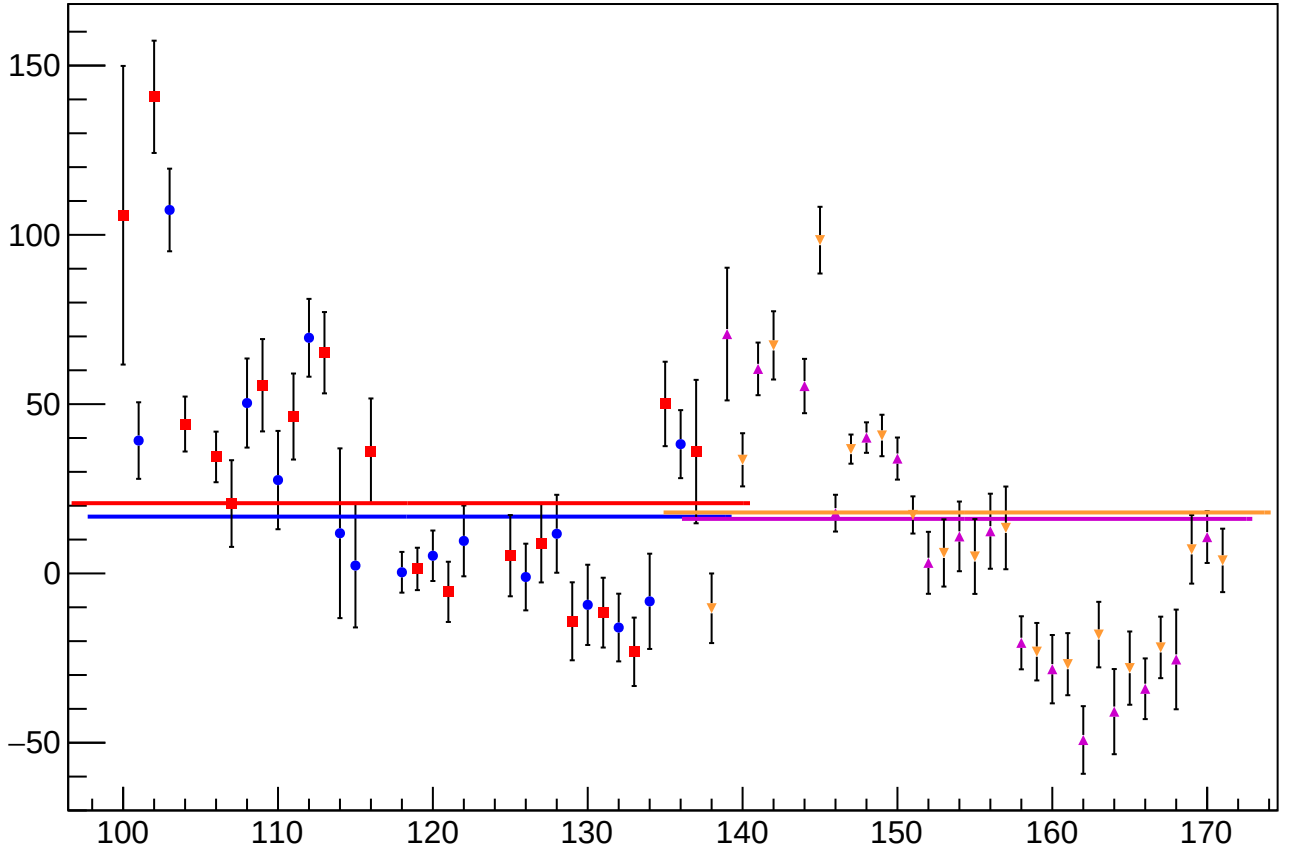
In: -19.124+/-0.017 χ^2/NDF:291782.8/31

Out: -18.399+/-0.017 χ^2/NDF:264146.7/34

All: -18.763+/-0.012 χ^2/NDF: 556817.5/66


reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−100
−200
−300
−400
−500
−600
−700
−800
100
110
120
130
140
150
160
170
Right In: -477.255+/-2.633 χ²/NDF: 1510.8/15
Left Out: -573.996+/-2.943 χ²/NDF:620.0/16
Right Out: -434.437+/-2.464 χ²/NDF: 3161.9/17
Left In: -581.452+/-2.955 χ²/NDF:475.6/15
Left: -577.708+/-2.085 χ²/NDF: 1098.8/32
Right: -454.426+/-1.799 χ²/NDF: 4813.7/33
In: -523.366+/-1.966 χ²/NDF:2679.5/31
Out: -491.952+/-1.889 χ²/NDF:5104.1/34
All: -507.033+/-1.362 χ²/NDF: 7916.3/66

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: 16.110+/-2.000 χ^2/NDF:247.4/15

Left: 17.082+/-1.396 χ^2/NDF: 487.6/32

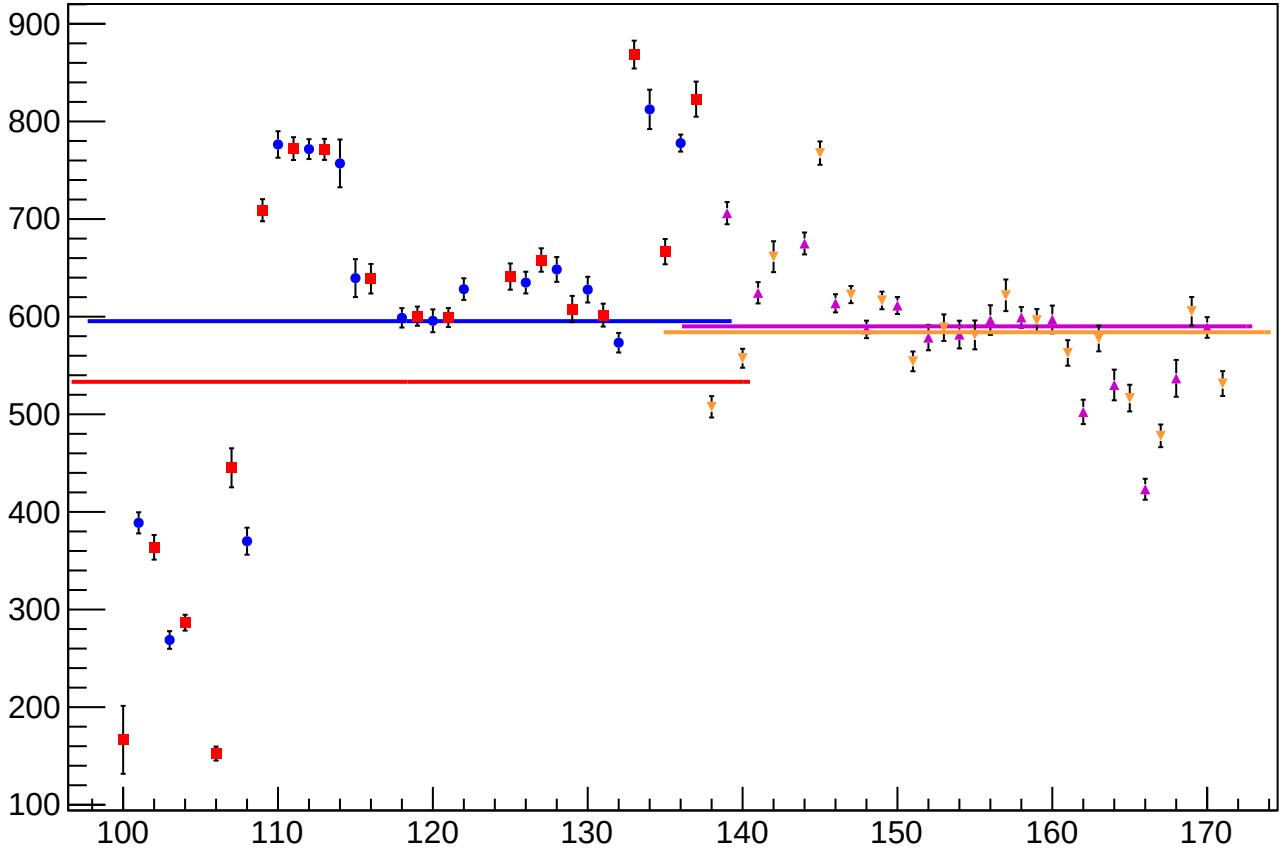
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.353+/-1.597 χ^2/NDF:372.4/31

Out: 19.019+/-1.549 χ^2/NDF:398.4/34

All: 17.727+/-1.112 χ^2/NDF: 772.3/66

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: 590.079+/-2.871 χ^2/NDF:499.9/15

Left: 587.074+/-2.029 χ^2/NDF: 995.3/32

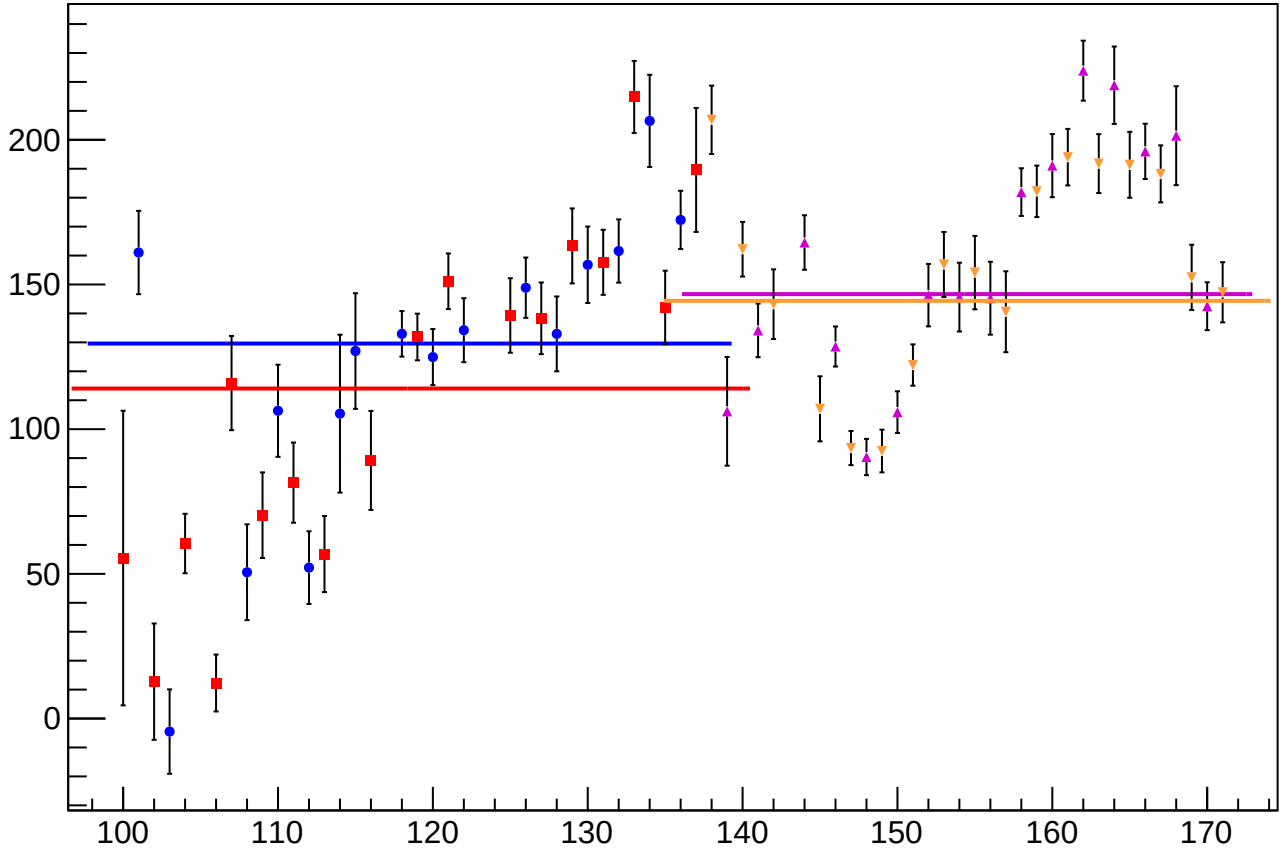
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 592.689+/-2.051 χ^2/NDF:3561.3/31

Out: 557.568+/-1.984 χ^2/NDF:7159.7/34

All: 574.546+/-1.426 χ^2/NDF: 10872.5/66

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: 146.673+/-2.355 χ^2/NDF:286.3/15

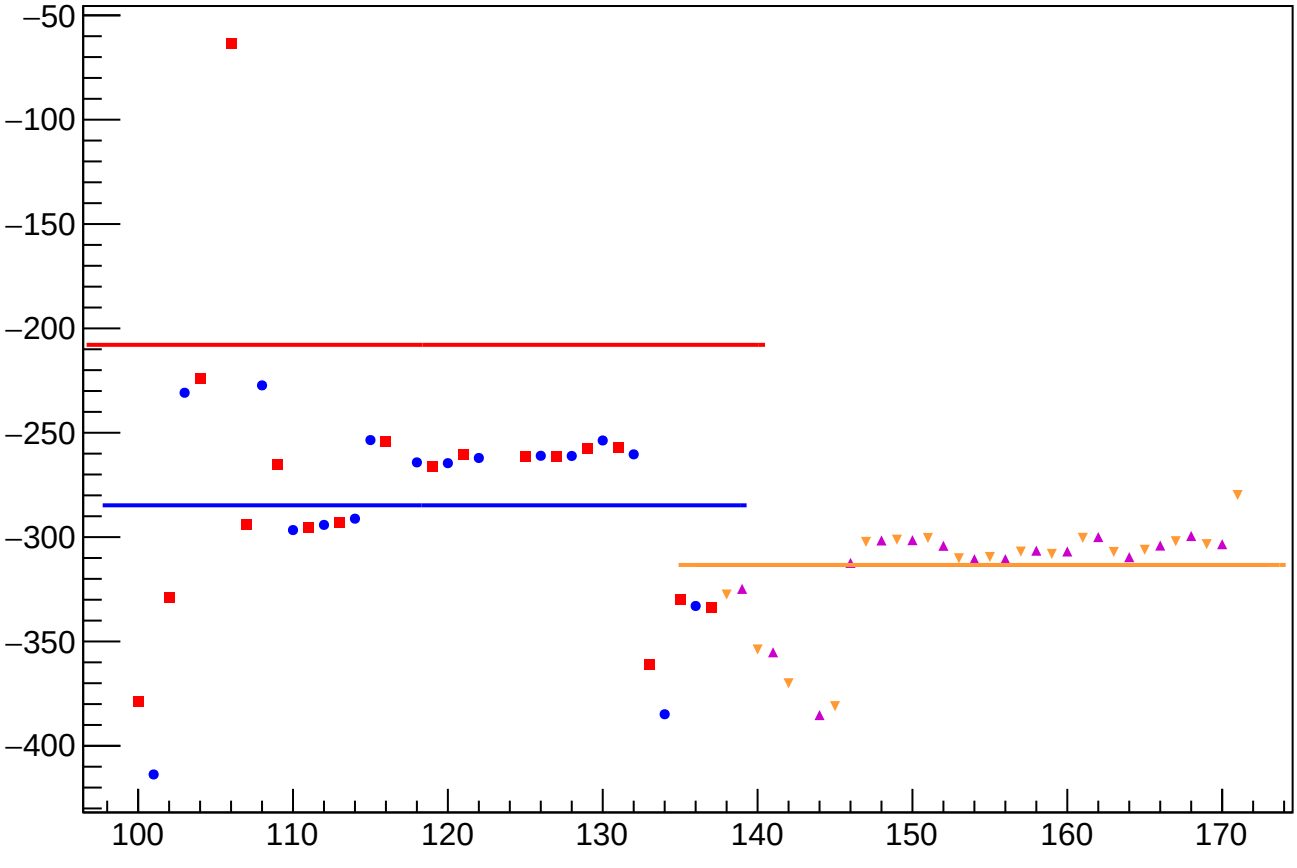
Left: 145.493+/-1.650 χ^2/NDF: 567.9/32

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 140.372+/-1.871 χ^2/NDF:517.0/31

Out: 132.948+/-1.826 χ^2/NDF:681.7/34

All: 136.570+/-1.307 χ^2/NDF: 1206.7/66



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: -313.350+/-0.109 χ^2/NDF:35678.1/15

Left: -313.343+/-0.077 χ^2/NDF: 85052.6/32

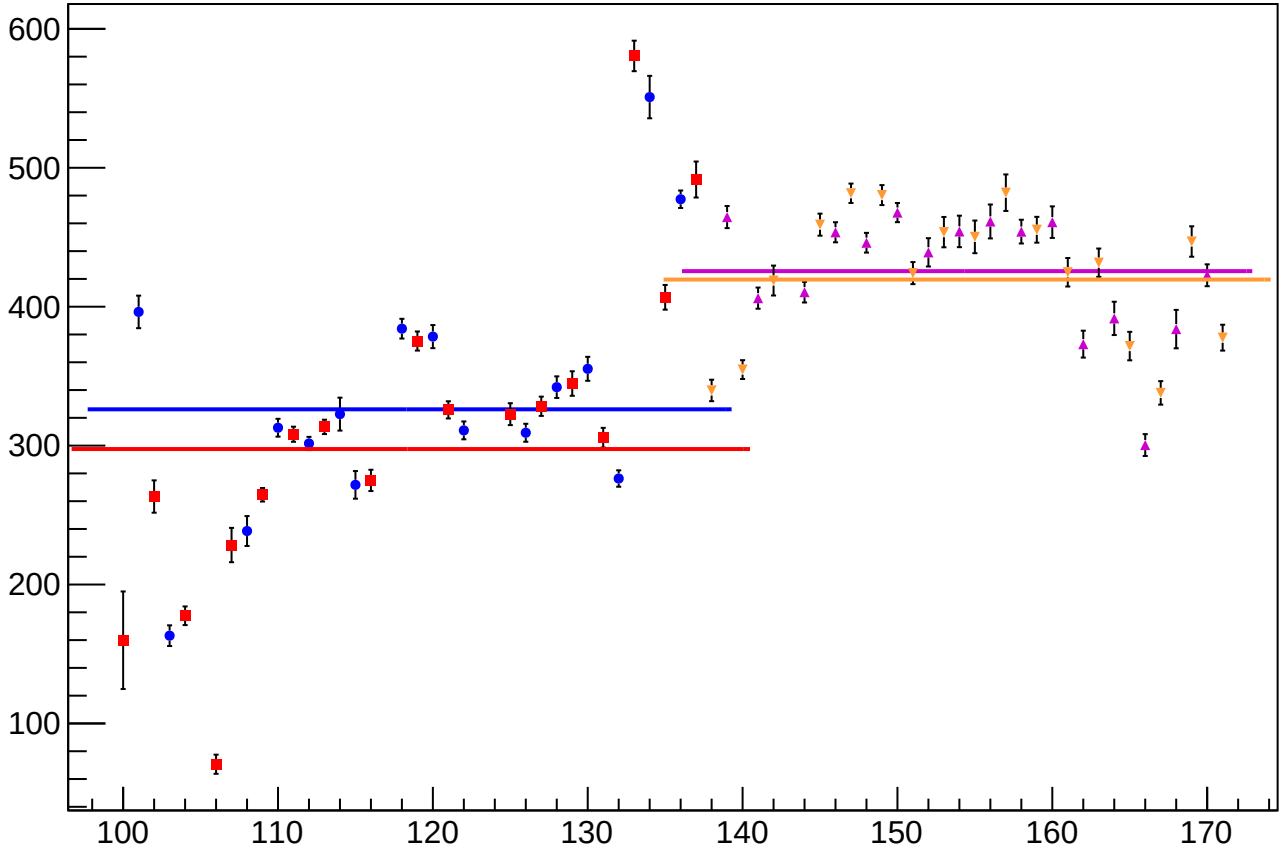
Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -305.503+/-0.093 χ^2/NDF:158852.6/31

Out: -276.213+/-0.088 χ^2/NDF:911398.5/34

All: -290.096+/-0.064 χ^2/NDF: 1122395.1/66

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: 425.605+/-2.173 χ^2/NDF:432.7/15

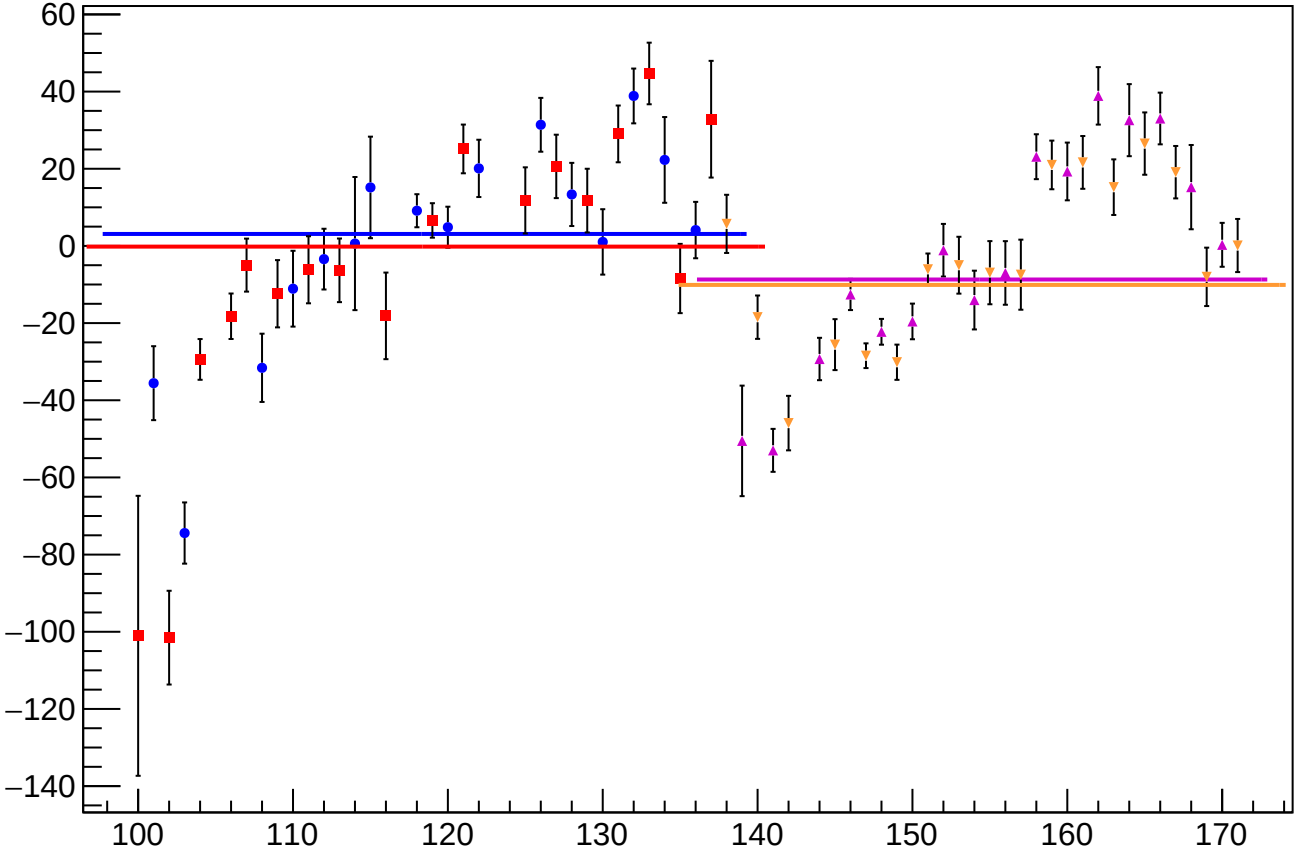
Left: 422.556+/-1.532 χ^2/NDF: 1008.1/32

Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 368.103+/-1.412 χ^2/NDF:3286.6/31

Out: 345.373+/-1.352 χ^2/NDF:5286.5/34

All: 356.251+/-0.977 χ^2/NDF: 8708.3/66



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: -8.703+/-1.475 χ^2/NDF:260.9/15

Left: -9.422+/-1.029 χ^2/NDF: 452.6/32

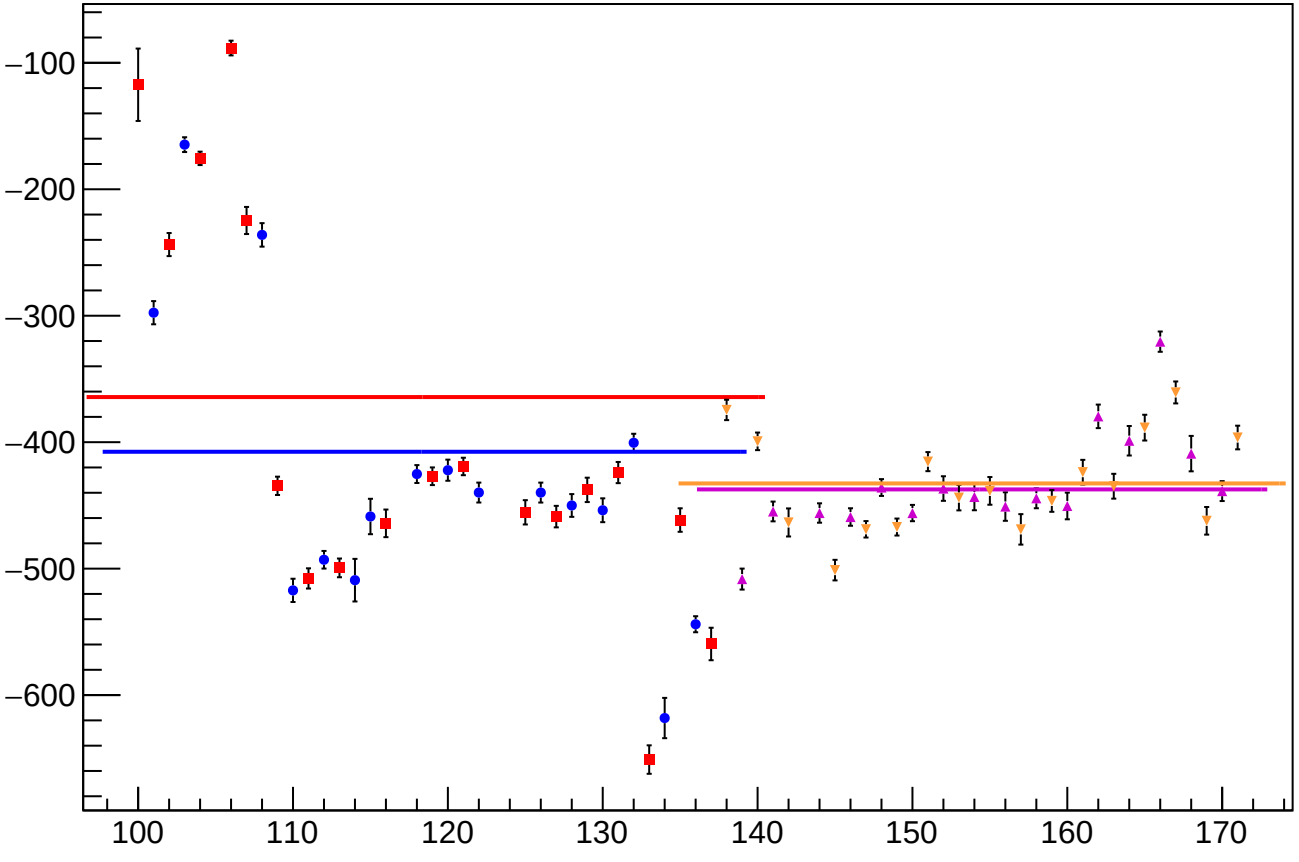
Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.242+/-1.163 χ^2/NDF:469.7/31

Out: -6.218+/-1.121 χ^2/NDF:415.1/34

All: -5.266+/-0.807 χ^2/NDF: 886.2/66

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -432.628+/-2.109 χ^2/NDF:340.3/16

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -437.350+/-2.114 χ^2/NDF:372.4/15

Left: -434.984+/-1.493 χ^2/NDF: 715.1/32

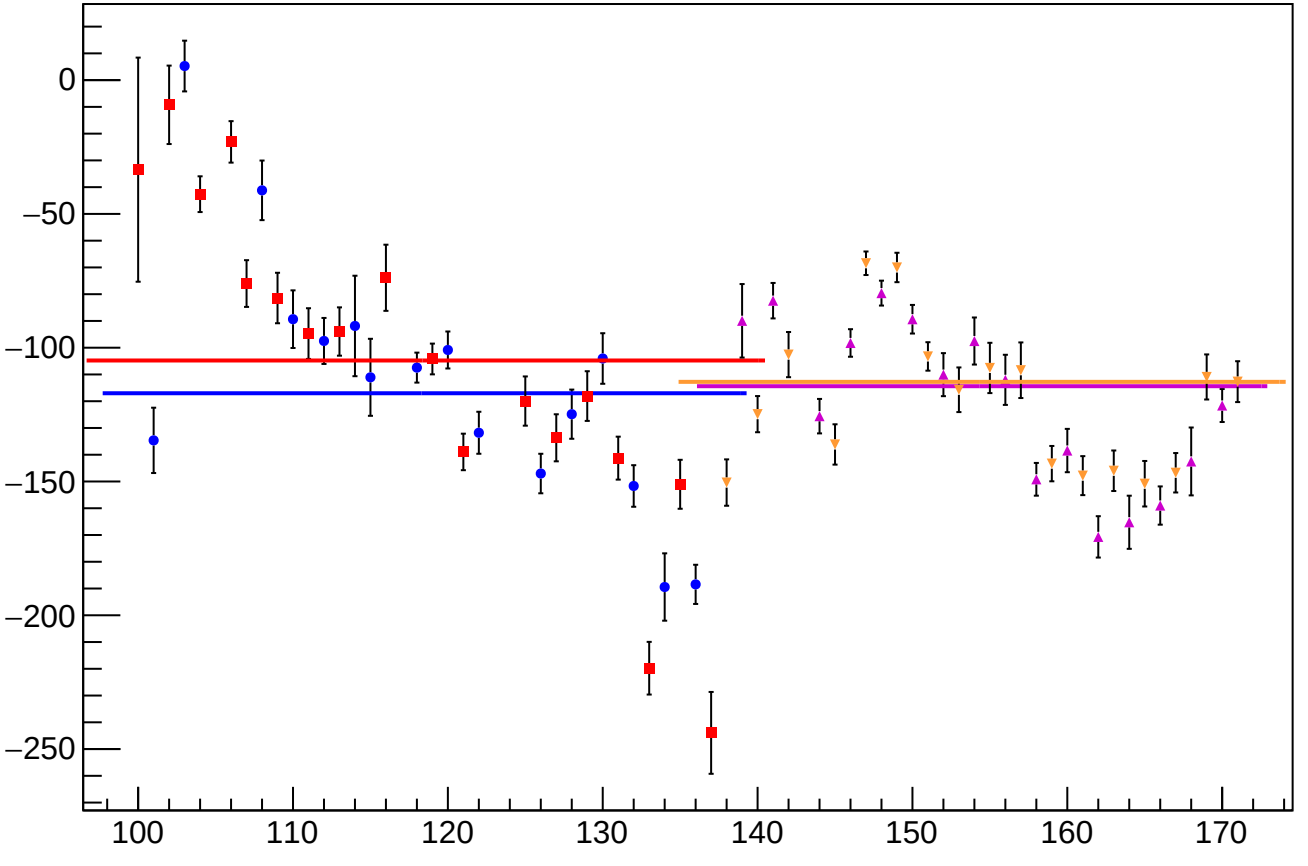
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -422.177+/-1.480 χ^2/NDF:3754.0/31

Out: -395.672+/-1.429 χ^2/NDF:7128.2/34

All: -408.454+/-1.028 χ^2/NDF: 11048.2/66

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -112.760+/-1.703 χ^2/NDF:304.3/16

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -114.389+/-1.736 χ^2/NDF:286.8/15

Left: -113.559+/-1.216 χ^2/NDF: 591.5/32

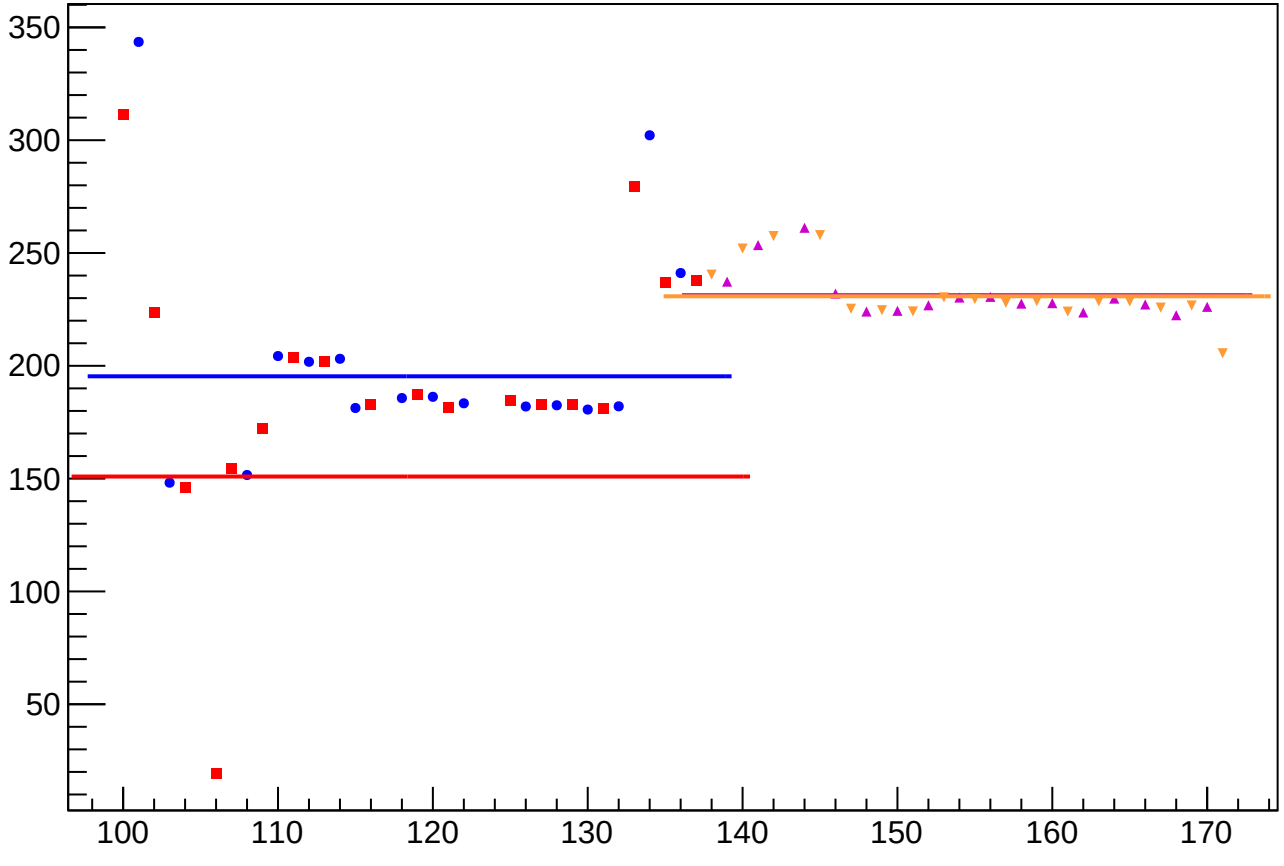
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -115.403+/-1.362 χ^2/NDF:695.5/31

Out: -109.577+/-1.321 χ^2/NDF:888.1/34

All: -112.401+/-0.948 χ^2/NDF: 1593.0/66

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: 231.313+/-0.081 χ^2/NDF:16042.9/15

Left: 231.065+/-0.057 χ^2/NDF: 40806.5/32

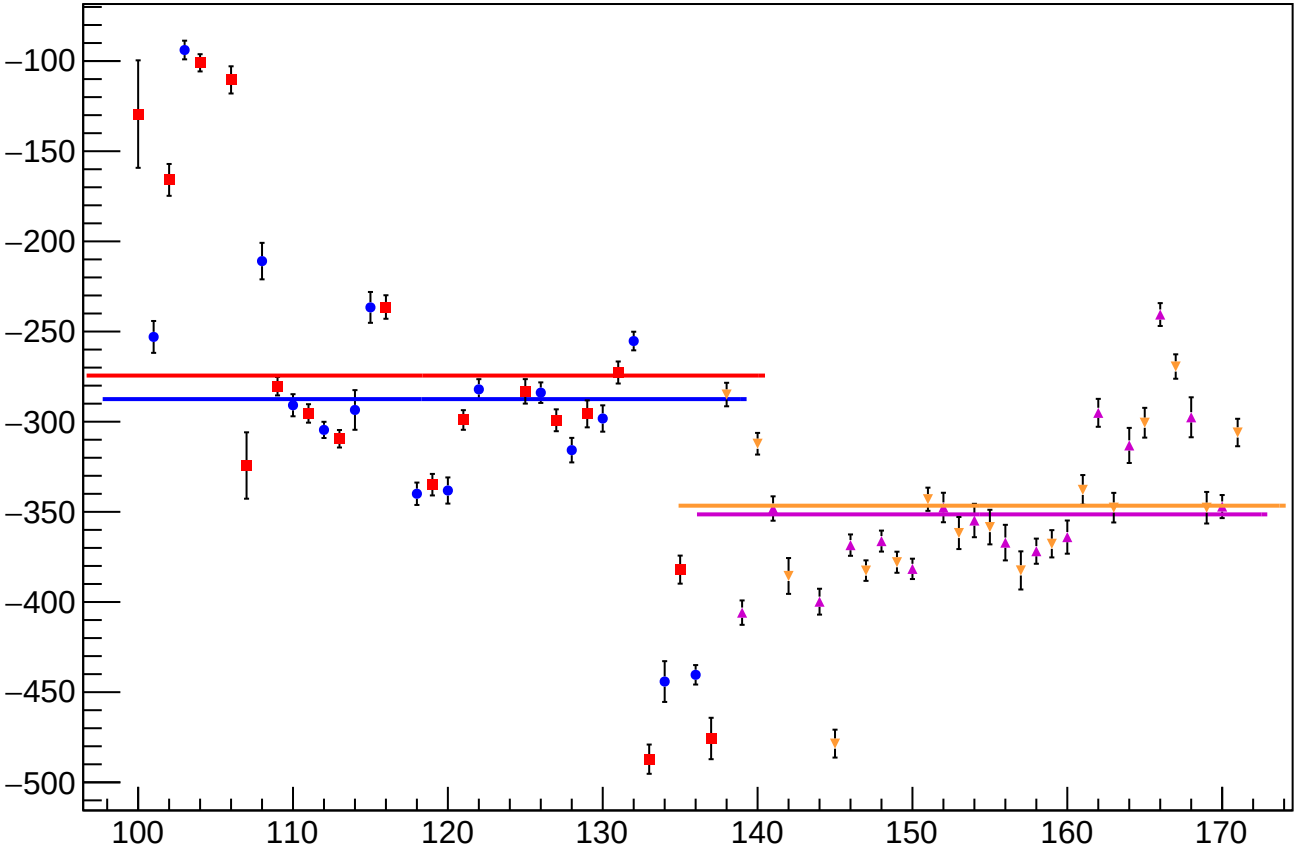
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 220.715+/-0.068 χ^2/NDF:251744.4/31

Out: 202.892+/-0.065 χ^2/NDF:865960.1/34

All: 211.465+/-0.047 χ^2/NDF: 1153723.1/66

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: -351.400+/-1.806 χ^2/NDF:565.4/15

Left: -348.980+/-1.275 χ^2/NDF: 1280.7/32

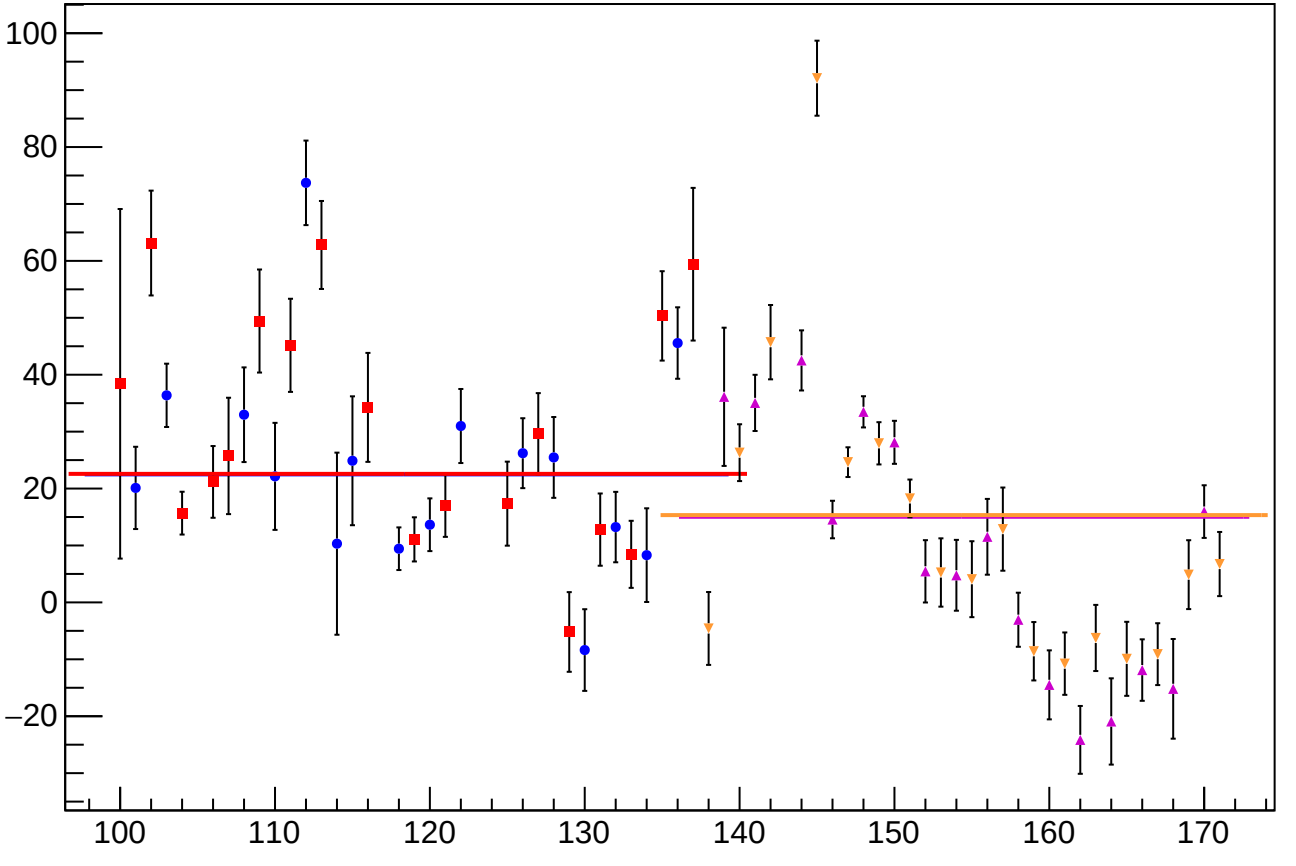
Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -315.799+/-1.202 χ^2/NDF:3959.3/31

Out: -305.177+/-1.175 χ^2/NDF:5047.4/34

All: -310.366+/-0.840 χ^2/NDF: 9046.6/66

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: 15.043+/-1.220 χ^2/NDF:250.6/15

Left: 15.193+/-0.852 χ^2/NDF: 552.1/32

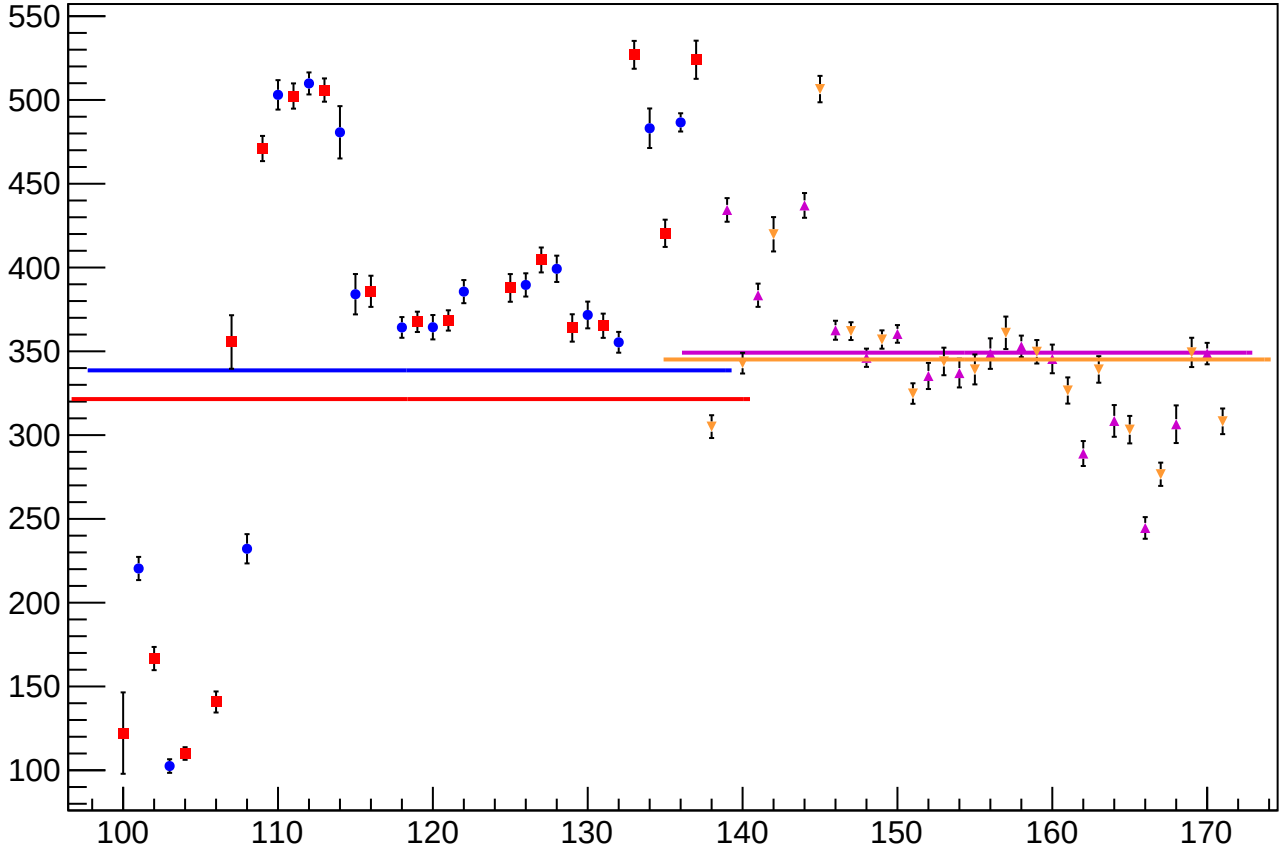
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 17.737+/-0.975 χ^2/NDF:375.6/31

Out: 17.977+/-0.948 χ^2/NDF:438.3/34

All: 17.860+/-0.680 χ^2/NDF: 813.8/66

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: 349.190+/-1.753 χ^2/NDF:688.0/15

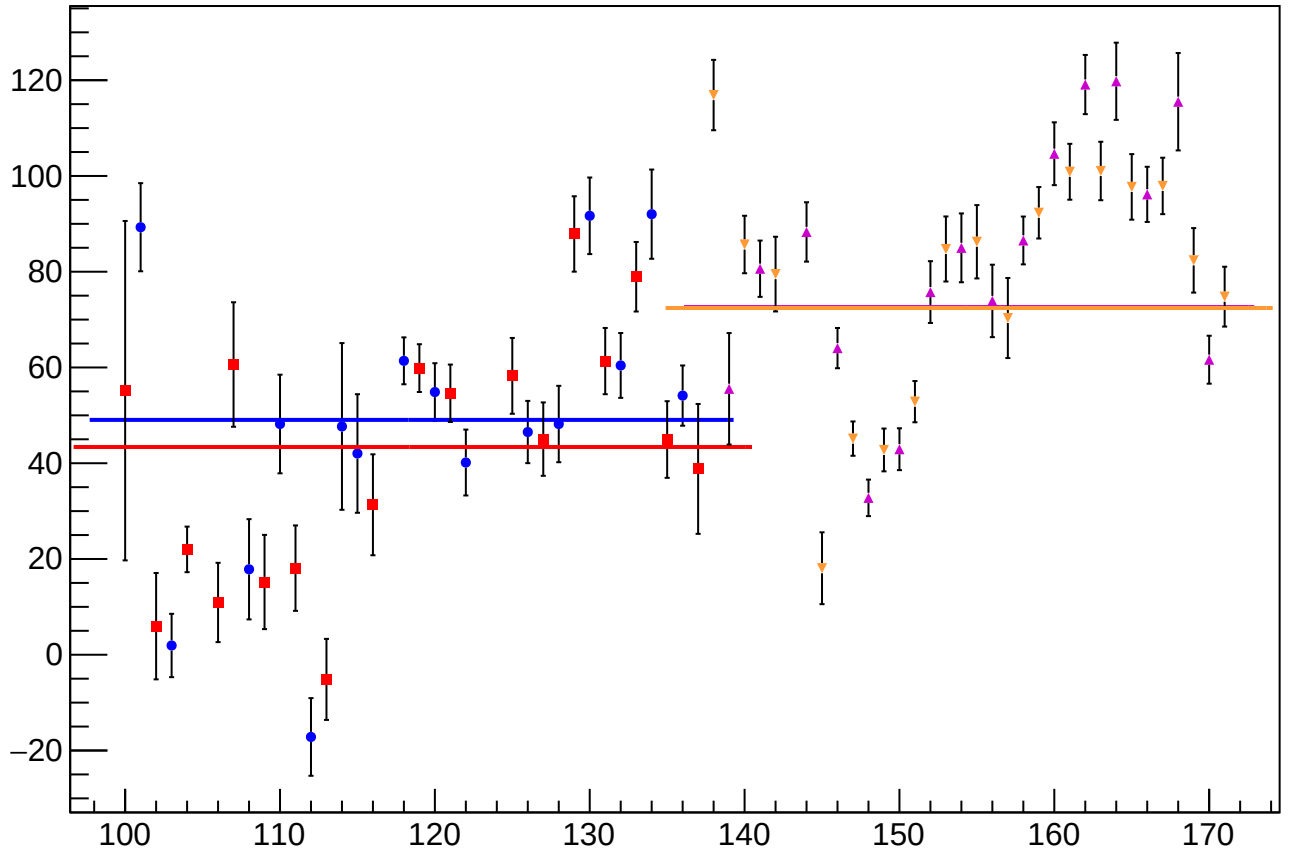
Left: 347.161+/-1.239 χ^2/NDF: 1380.9/32

Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

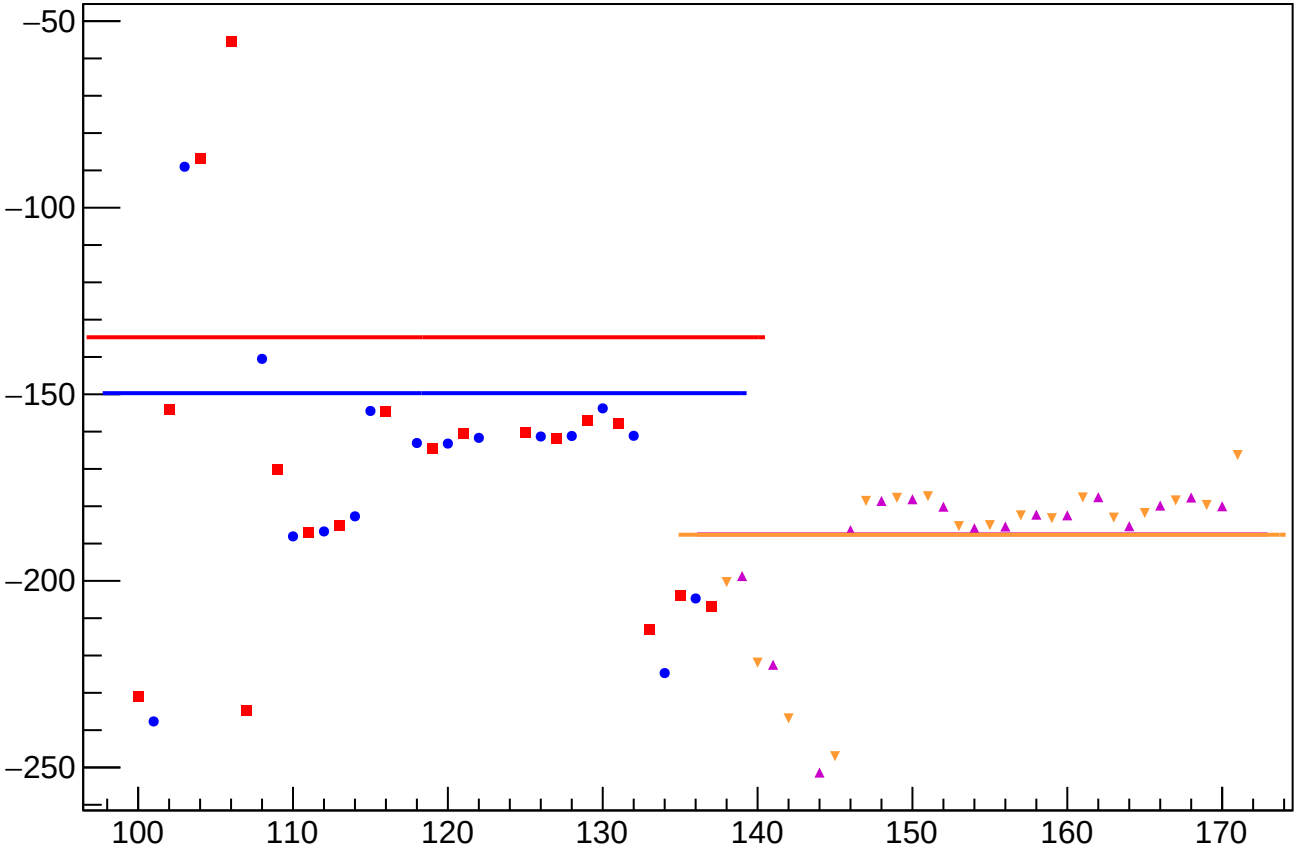
In: 343.897+/-1.238 χ^2/NDF:6748.9/31

Out: 332.921+/-1.218 χ^2/NDF:8505.0/34

All: 338.320+/-0.868 χ^2/NDF: 15293.8/66


reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 49.053+/-1.882 χ²/NDF: 207.9/15
Left Out: 72.422+/-1.409 χ²/NDF:318.1/16
Right Out: 43.392+/-1.834 χ²/NDF: 180.0/17
Left In: 72.617+/-1.435 χ²/NDF:334.7/15
Left: 72.518+/-1.005 χ²/NDF: 652.7/32
Right: 46.149+/-1.314 χ²/NDF: 392.6/33
In: 63.952+/-1.141 χ²/NDF:641.7/31
Out: 61.647+/-1.117 χ²/NDF:655.6/34
All: 62.775+/-0.798 χ²/NDF: 1299.4/66

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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: -187.542+/-0.067 χ^2/NDF:63422.7/15

Left: -187.585+/-0.047 χ^2/NDF: 147550.6/32

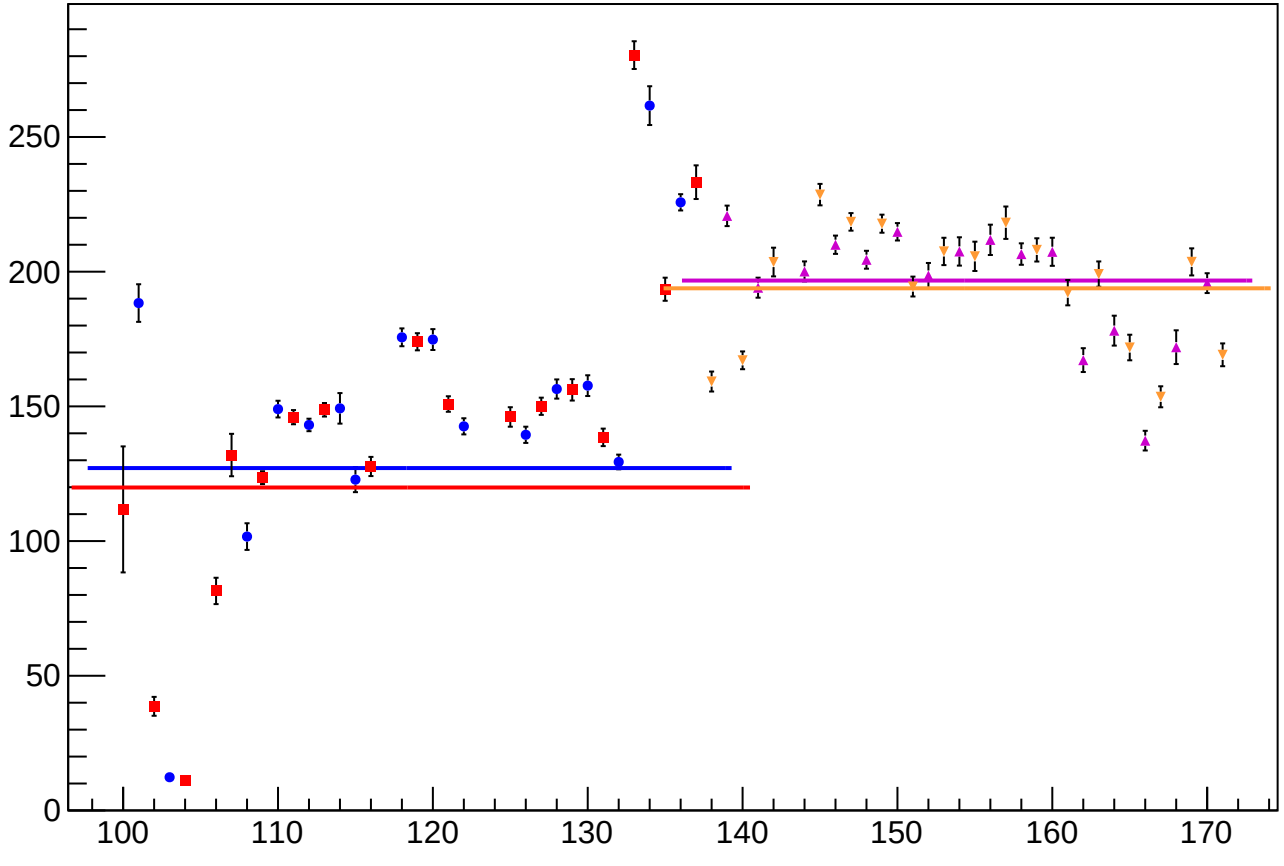
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -176.063+/-0.056 χ^2/NDF:418052.4/31

Out: -170.605+/-0.055 χ^2/NDF:598625.6/34

All: -173.309+/-0.039 χ^2/NDF: 1021552.9/66

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 193.828+/-1.016 χ^2/NDF:547.5/16

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 196.709+/-1.022 χ^2/NDF:451.2/15

Left: 195.260+/-0.720 χ^2/NDF: 1002.7/32

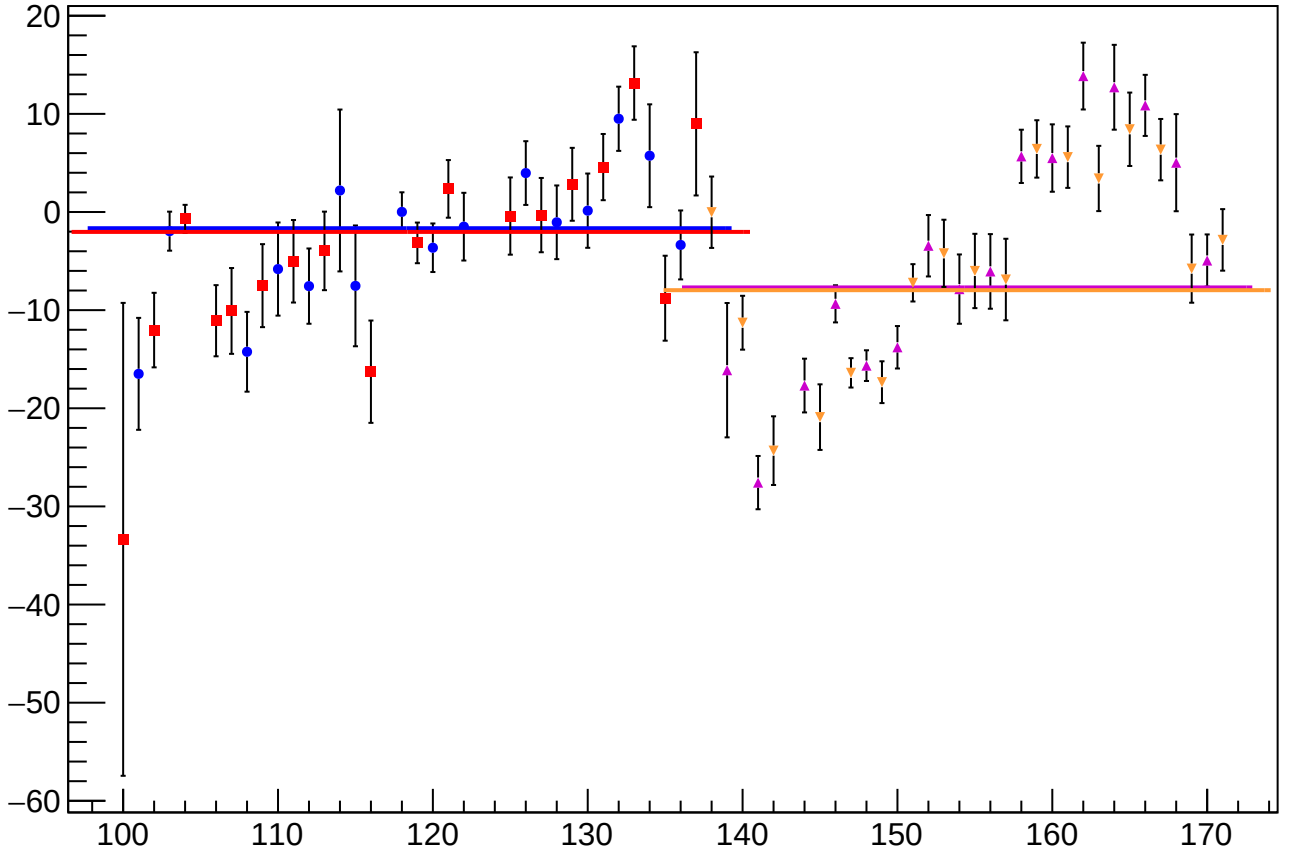
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 154.004+/-0.635 χ^2/NDF:9463.0/31

Out: 147.066+/-0.616 χ^2/NDF:10550.0/34

All: 150.427+/-0.442 χ^2/NDF: 20074.5/66

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: -7.686+/-0.692 χ^2/NDF:249.7/15

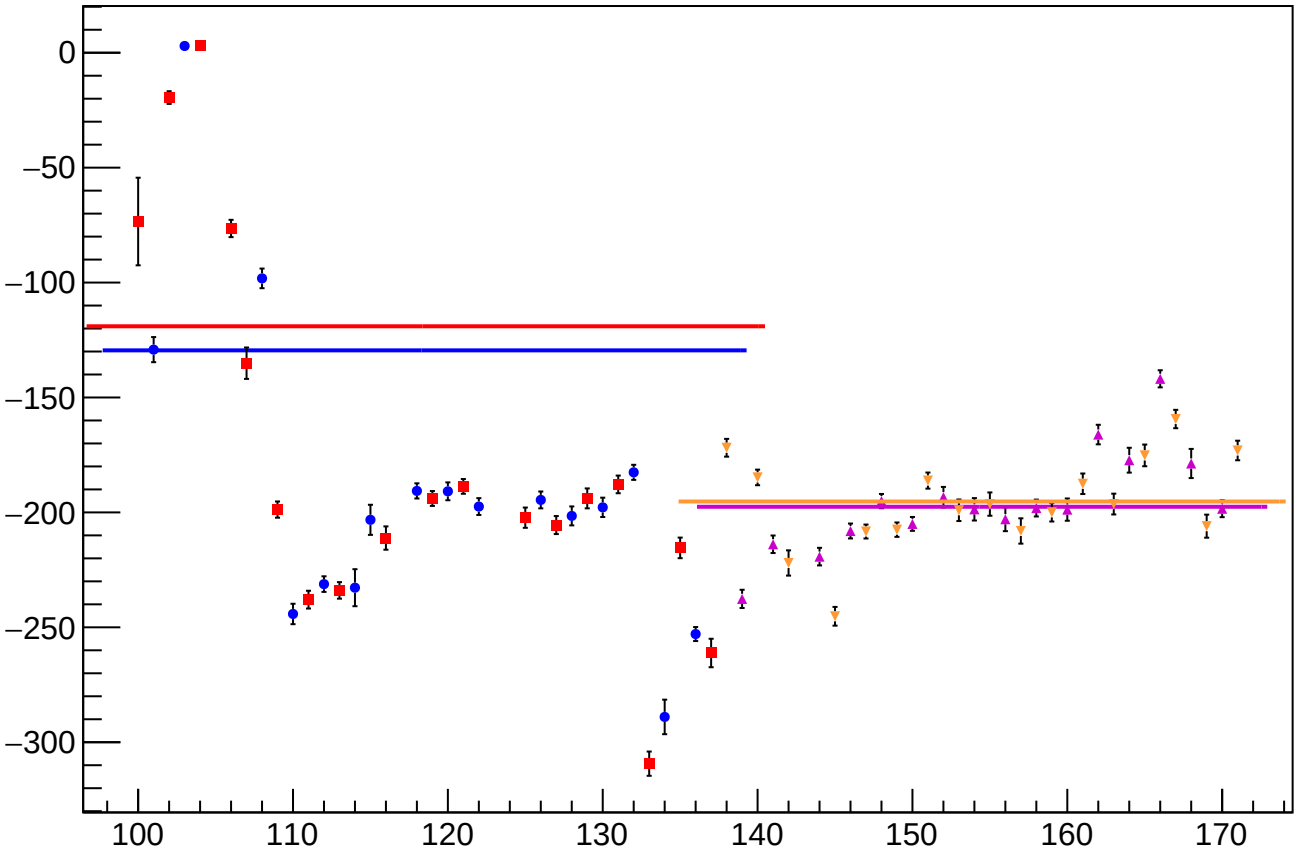
Left: -7.830+/-0.483 χ^2/NDF: 443.5/32

Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.222+/-0.532 χ^2/NDF:319.8/31

Out: -5.392+/-0.507 χ^2/NDF:286.0/34

All: -5.311+/-0.367 χ^2/NDF: 605.8/66



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: -197.549+/-0.992 χ^2/NDF:472.8/15

Left: -196.402+/-0.701 χ^2/NDF: 877.2/32

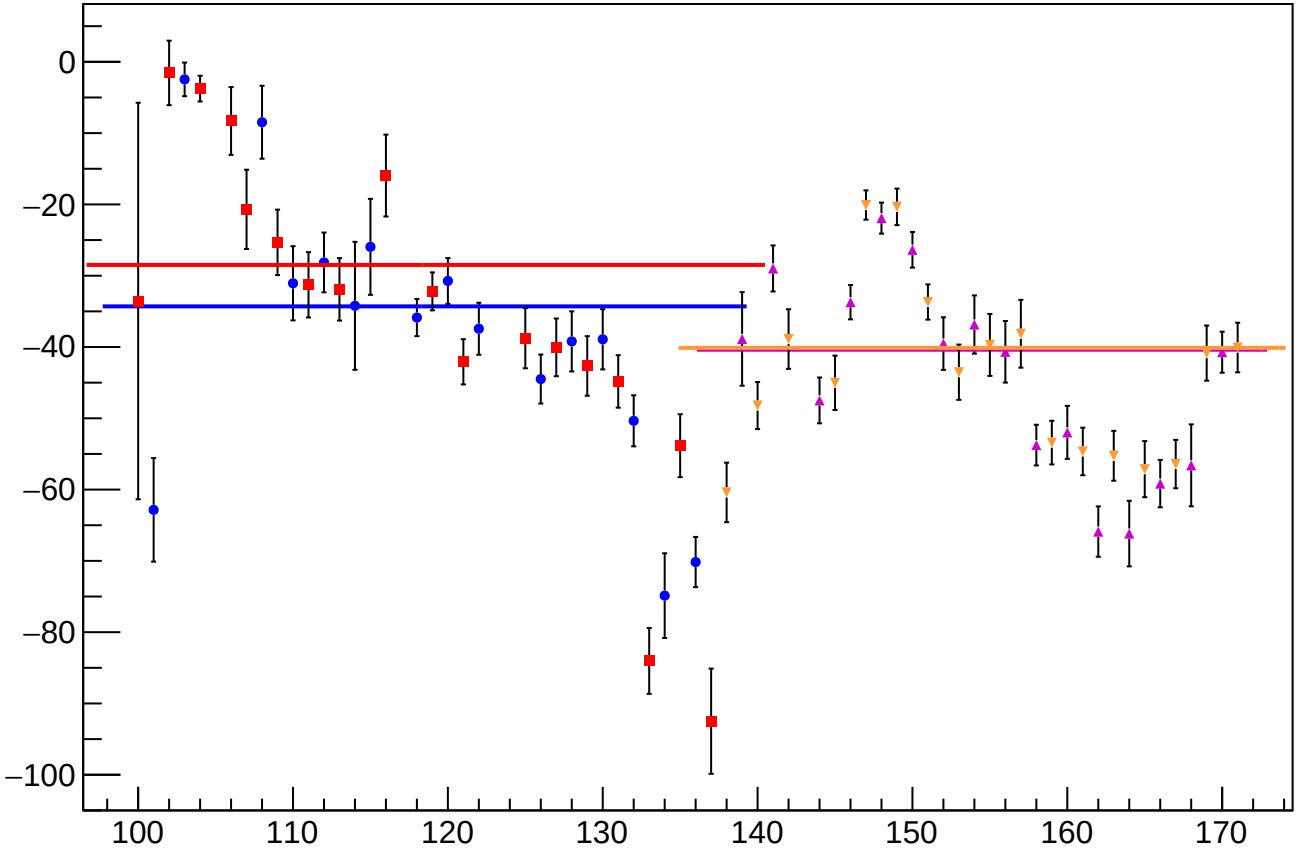
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -158.153+/-0.644 χ^2/NDF:17882.8/31

Out: -149.720+/-0.628 χ^2/NDF:20121.5/34

All: -153.832+/-0.450 χ^2/NDF: 38092.2/66

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -40.119+/-0.798 χ^2/NDF:292.1/16

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.384+/-0.814 χ^2/NDF:284.4/15

Left: -40.249+/-0.570 χ^2/NDF: 576.5/32

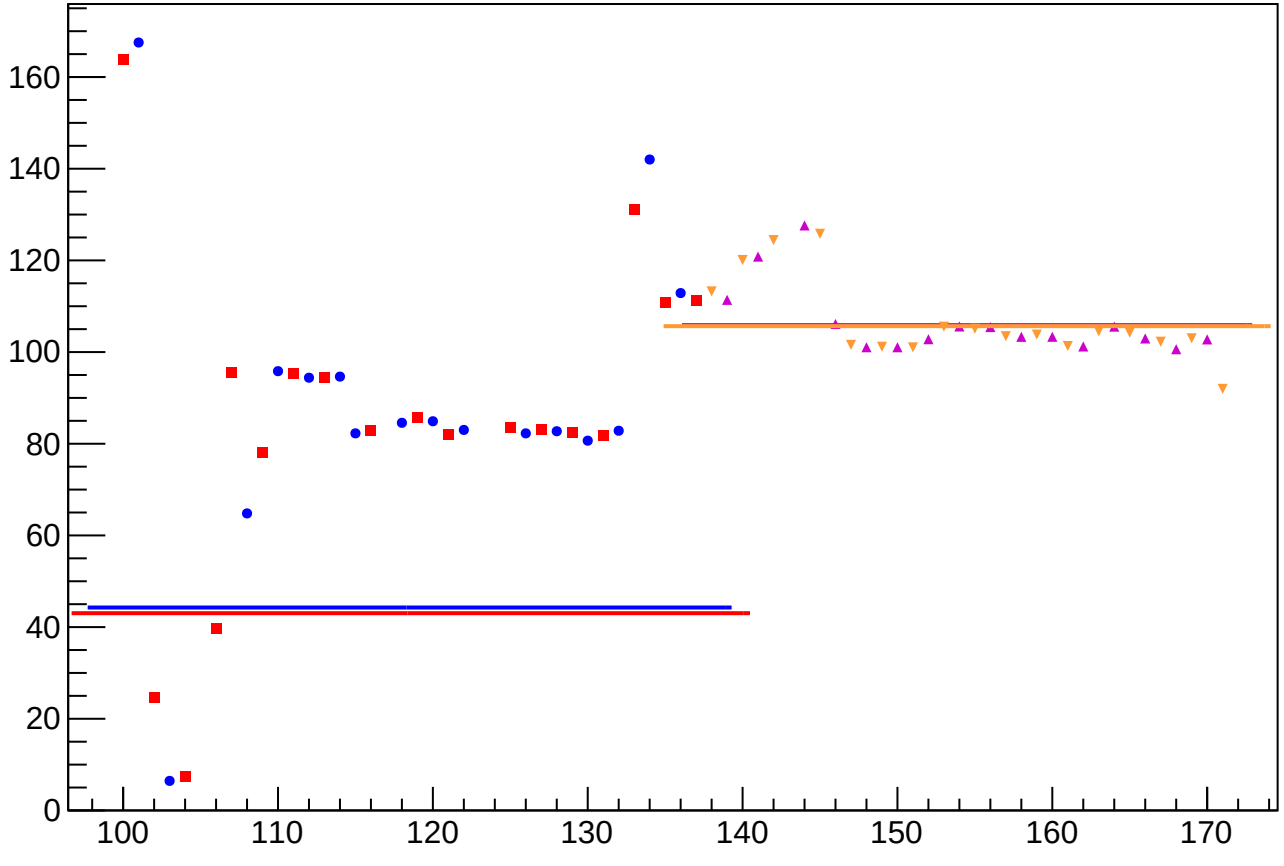
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -37.864+/-0.623 χ^2/NDF:718.8/31

Out: -35.045+/-0.599 χ^2/NDF:952.9/34

All: -36.399+/-0.432 χ^2/NDF: 1682.3/66

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: 105.880+/-0.038 χ^2/NDF:33229.3/15

Left: 105.765+/-0.027 χ^2/NDF: 81505.3/32

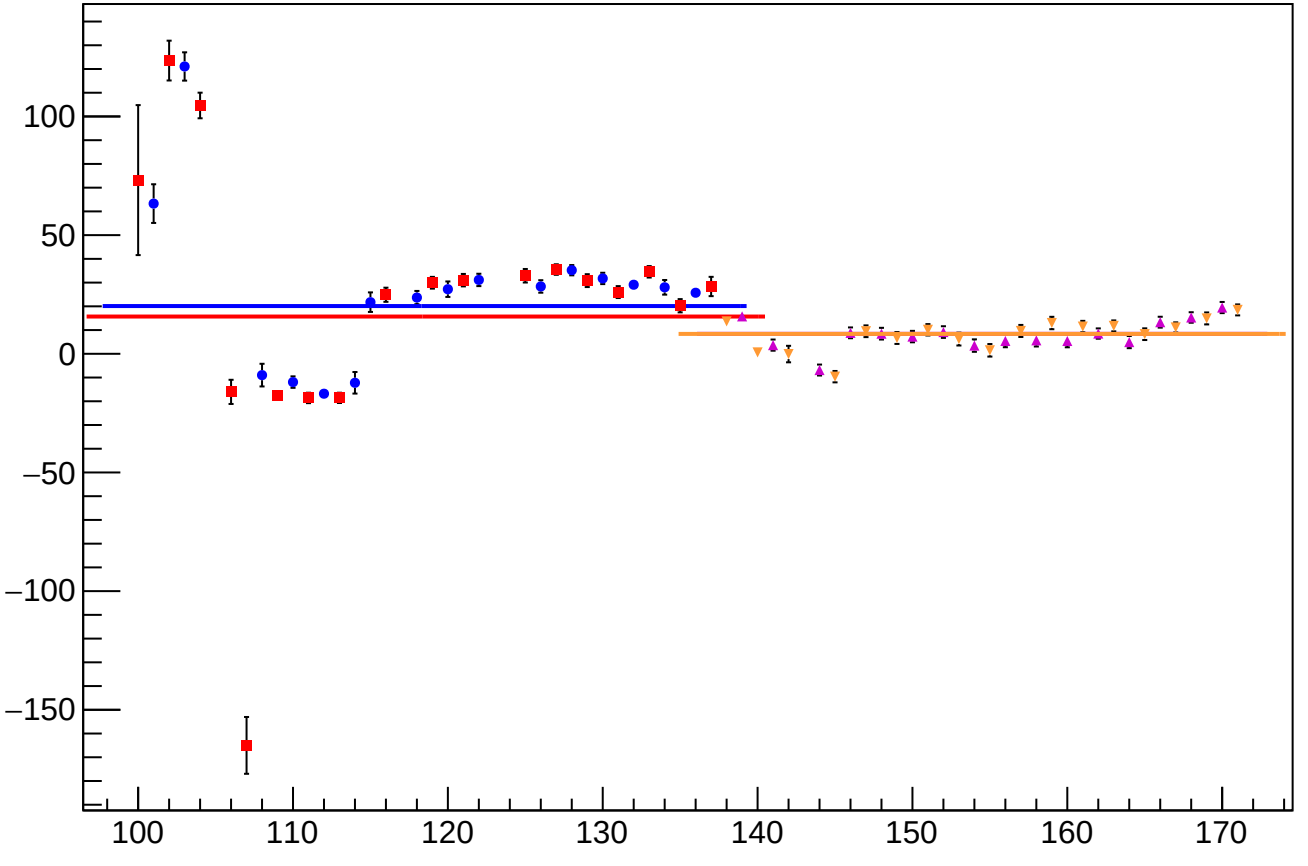
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 80.414+/-0.029 χ^2/NDF:2220656.1/31

Out: 79.785+/-0.029 χ^2/NDF:1987909.2/34

All: 80.100+/-0.020 χ^2/NDF: 4208802.0/66

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: 8.408+/-0.595 χ^2/NDF:107.1/15

Left: 8.394+/-0.419 χ^2/NDF: 233.2/32

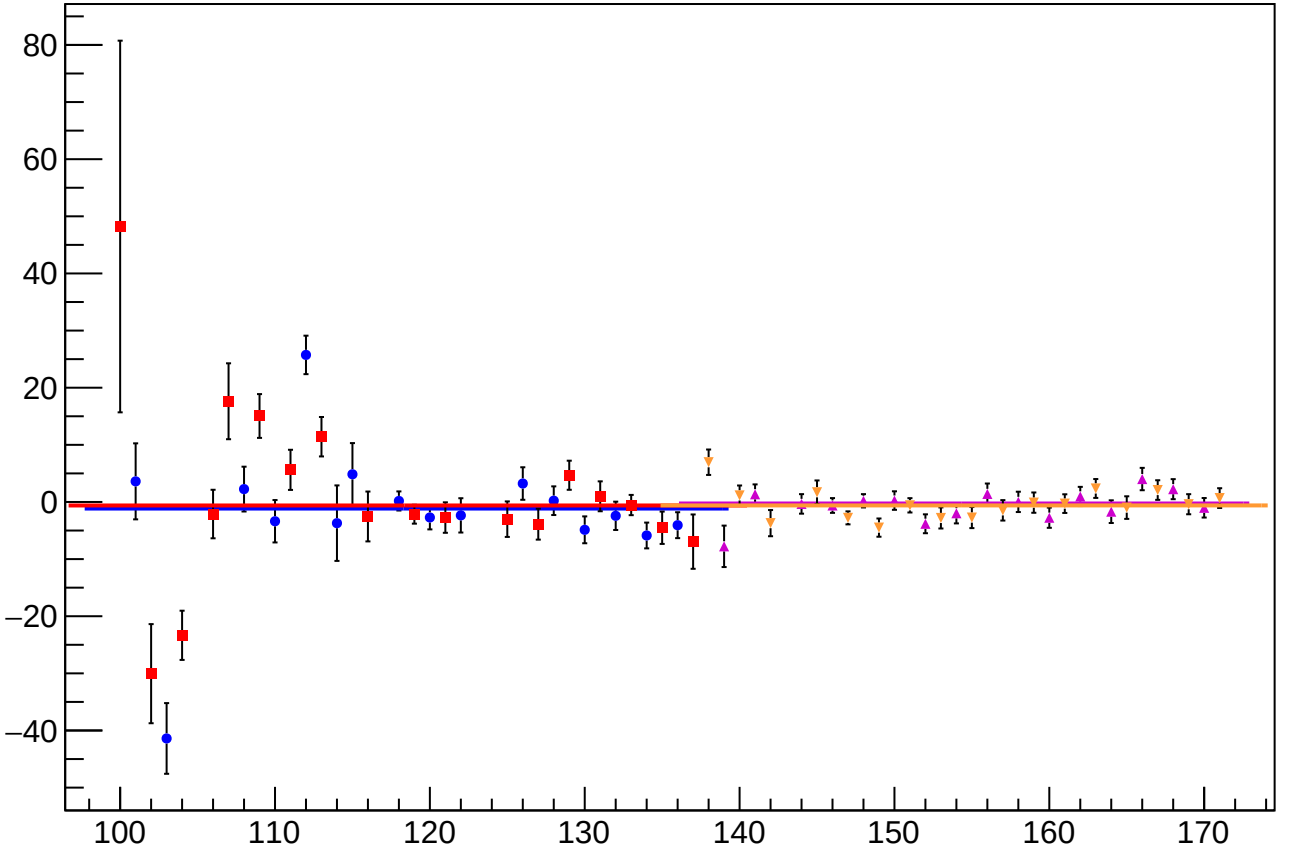
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.425+/-0.450 χ^2/NDF:1321.2/31

Out: 11.508+/-0.446 χ^2/NDF:1965.9/34

All: 12.458+/-0.317 χ^2/NDF: 3296.3/66

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: -0.268+/-0.422 χ^2/NDF:21.9/15

Left: -0.441+/-0.294 χ^2/NDF: 56.9/32

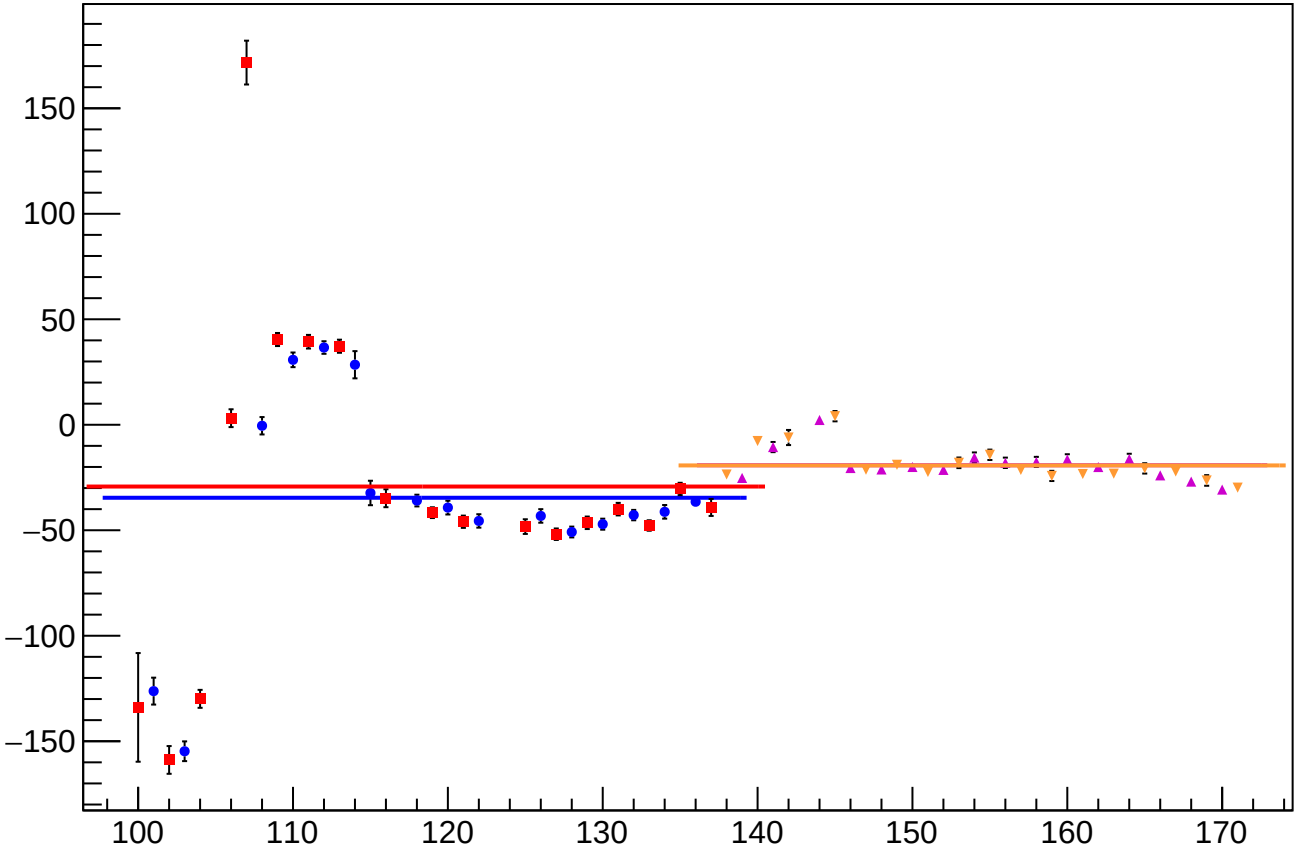
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.504+/-0.361 χ^2/NDF:145.0/31

Out: -0.607+/-0.355 χ^2/NDF:128.0/34

All: -0.556+/-0.253 χ^2/NDF: 273.0/66

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: -19.191+/-0.579 χ^2/NDF:150.6/15

Left: -19.232+/-0.408 χ^2/NDF: 337.7/32

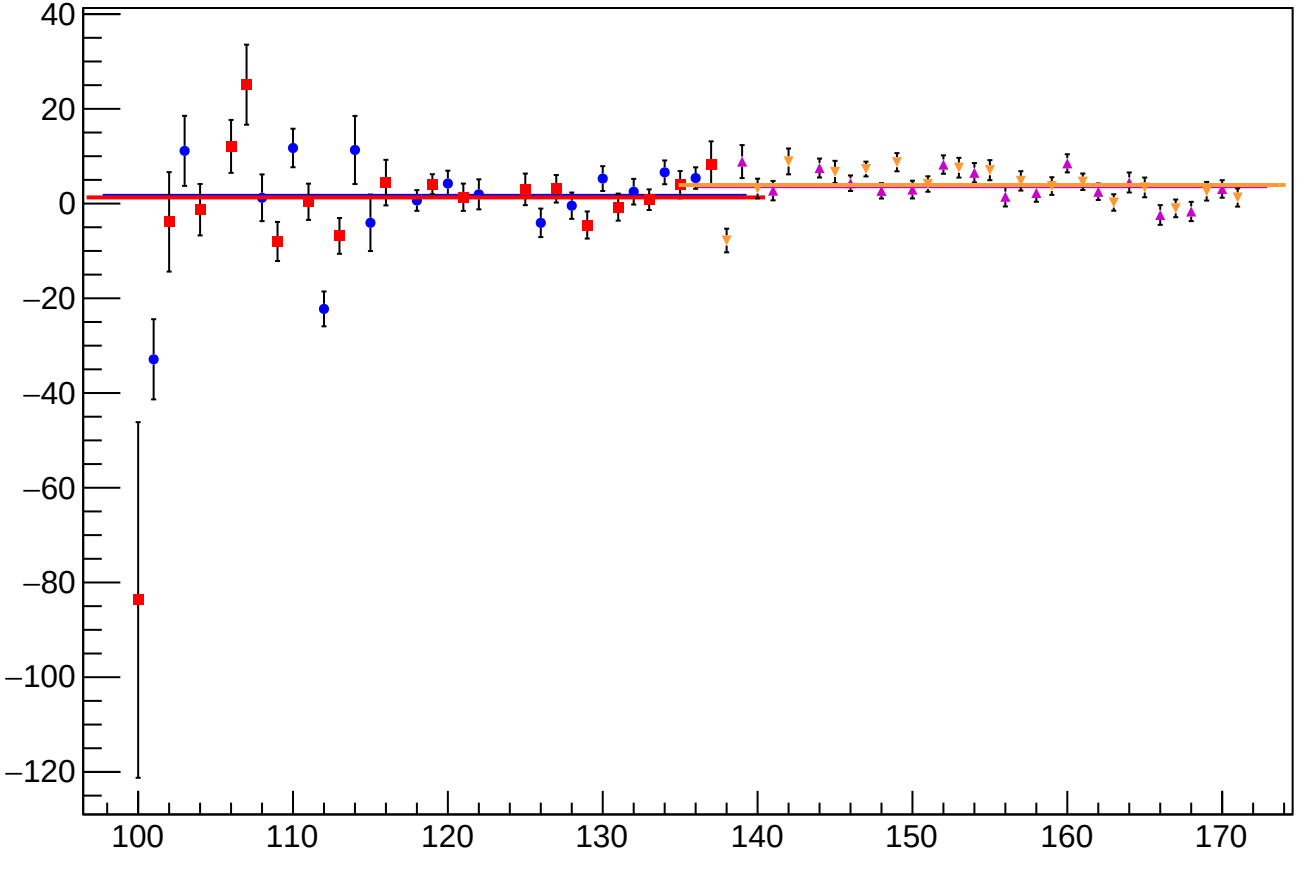
Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.615+/-0.466 χ^2/NDF:2457.9/31

Out: -22.683+/-0.467 χ^2/NDF:3371.3/34

All: -23.650+/-0.330 χ^2/NDF: 5837.8/66

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: 3.675+/-0.487 χ^2/NDF:38.4/15

Left: 3.798+/-0.339 χ^2/NDF: 95.9/32

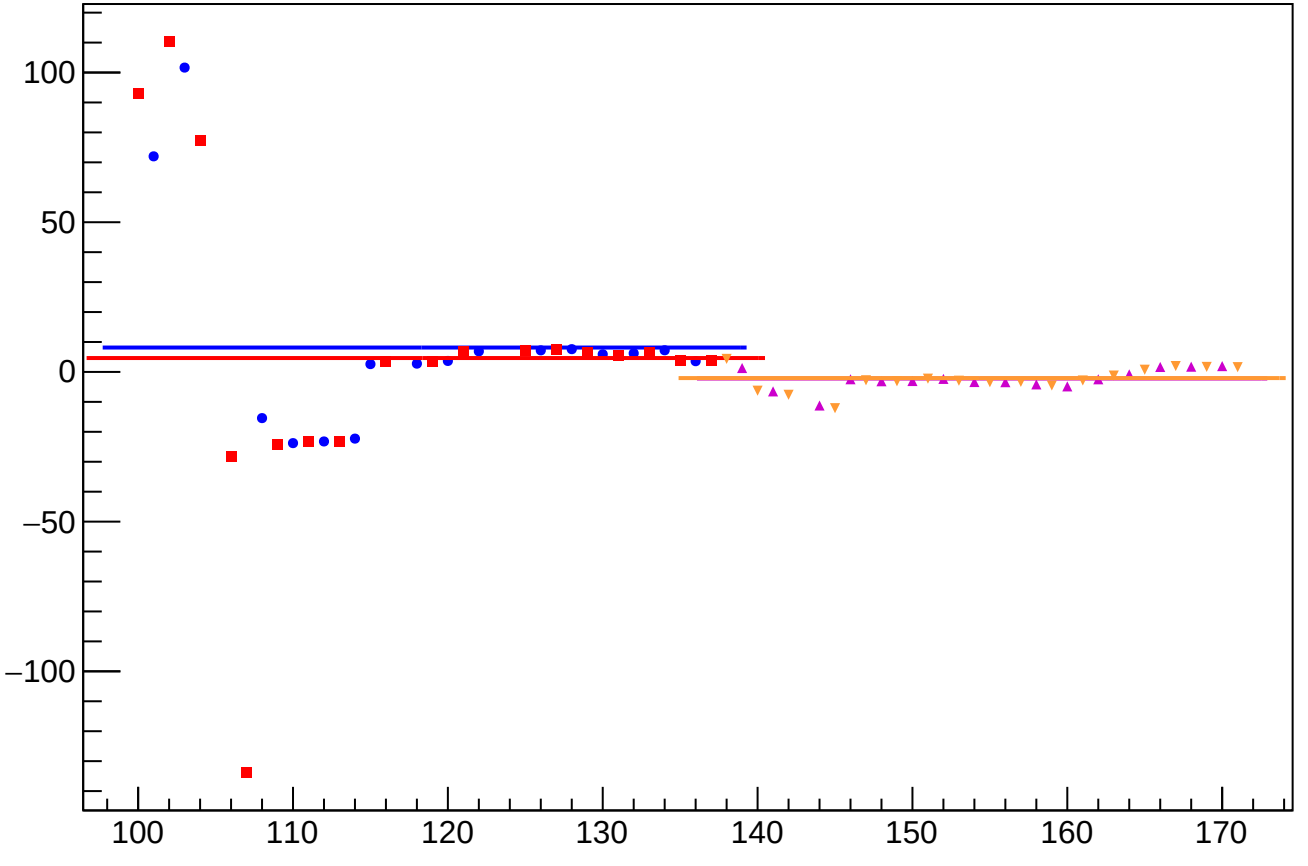
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.119+/-0.415 χ^2/NDF:126.5/31

Out: 3.257+/-0.410 χ^2/NDF:102.6/34

All: 3.189+/-0.292 χ^2/NDF: 229.2/66

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: -2.207+/-0.022 χ^2/NDF:20604.3/15

Left: -2.131+/-0.015 χ^2/NDF: 49914.6/32

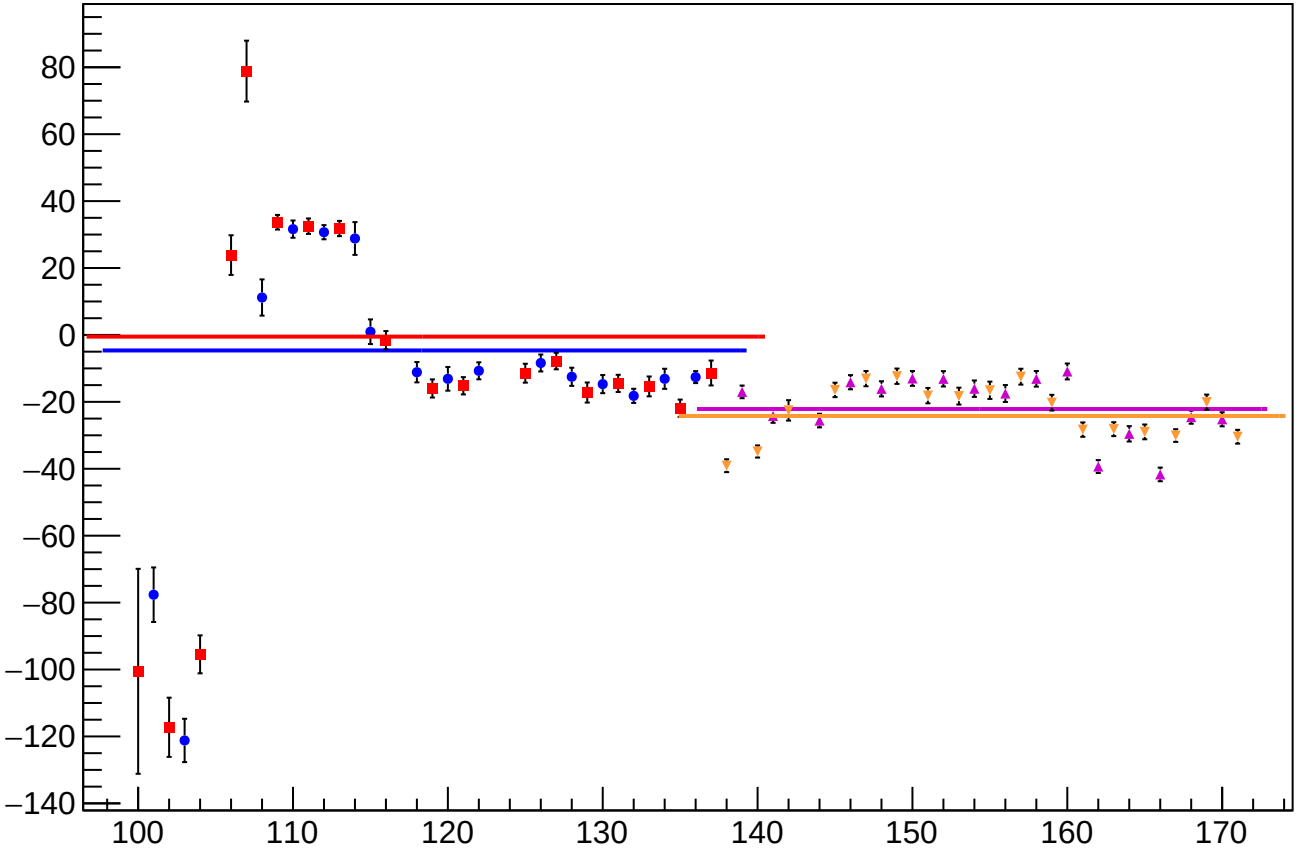
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.496+/-0.020 χ^2/NDF:372189.6/31

Out: -1.084+/-0.020 χ^2/NDF:490431.3/34

All: -0.789+/-0.014 χ^2/NDF: 863067.7/66

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: -22.140+/-0.540 χ^2/NDF:296.1/15

Left: -23.188+/-0.380 χ^2/NDF: 543.9/32

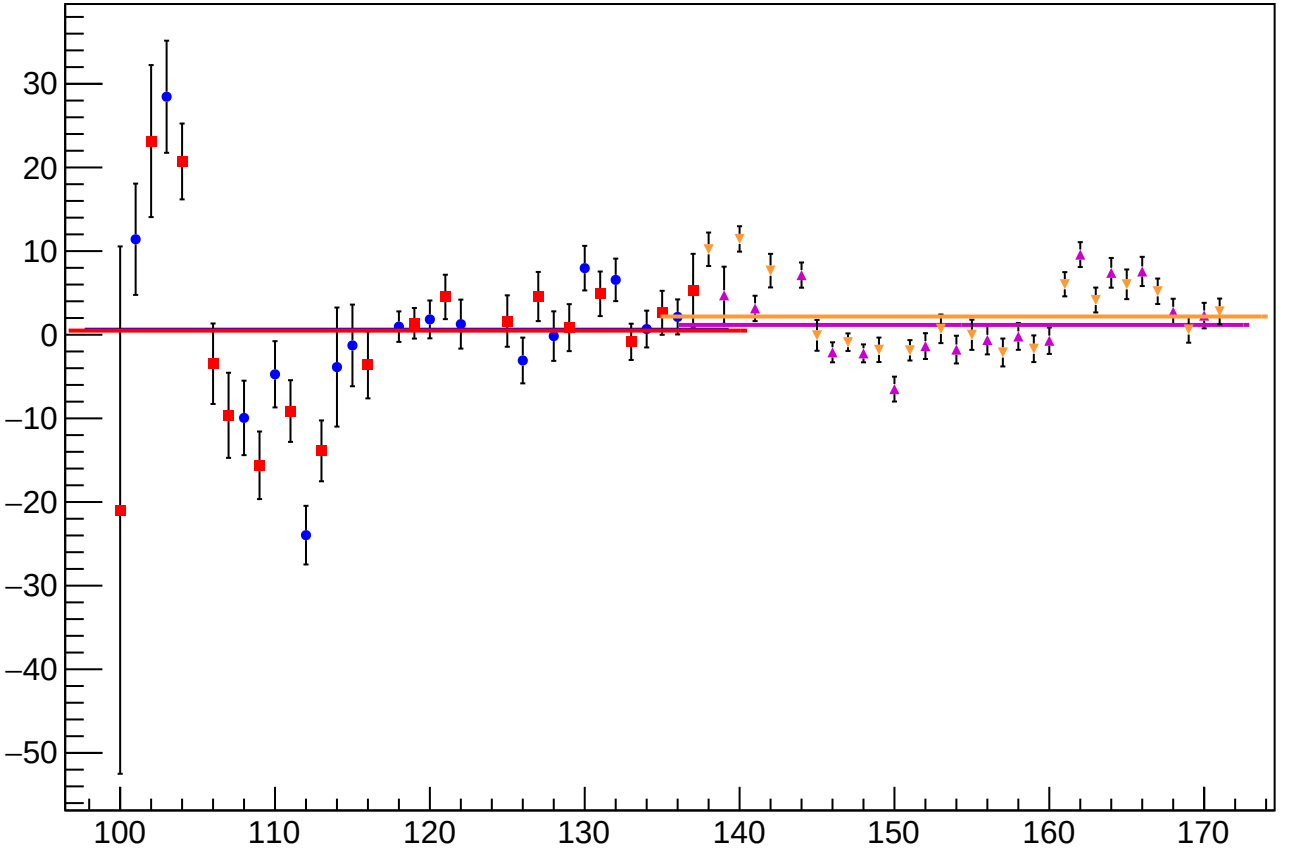
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -15.738+/-0.430 χ^2/NDF:1725.9/31

Out: -15.637+/-0.428 χ^2/NDF:2408.2/34

All: -15.687+/-0.303 χ^2/NDF: 4134.1/66

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: 1.175+/-0.383 χ^2/NDF:130.7/15

Left: 1.690+/-0.267 χ^2/NDF: 256.9/32

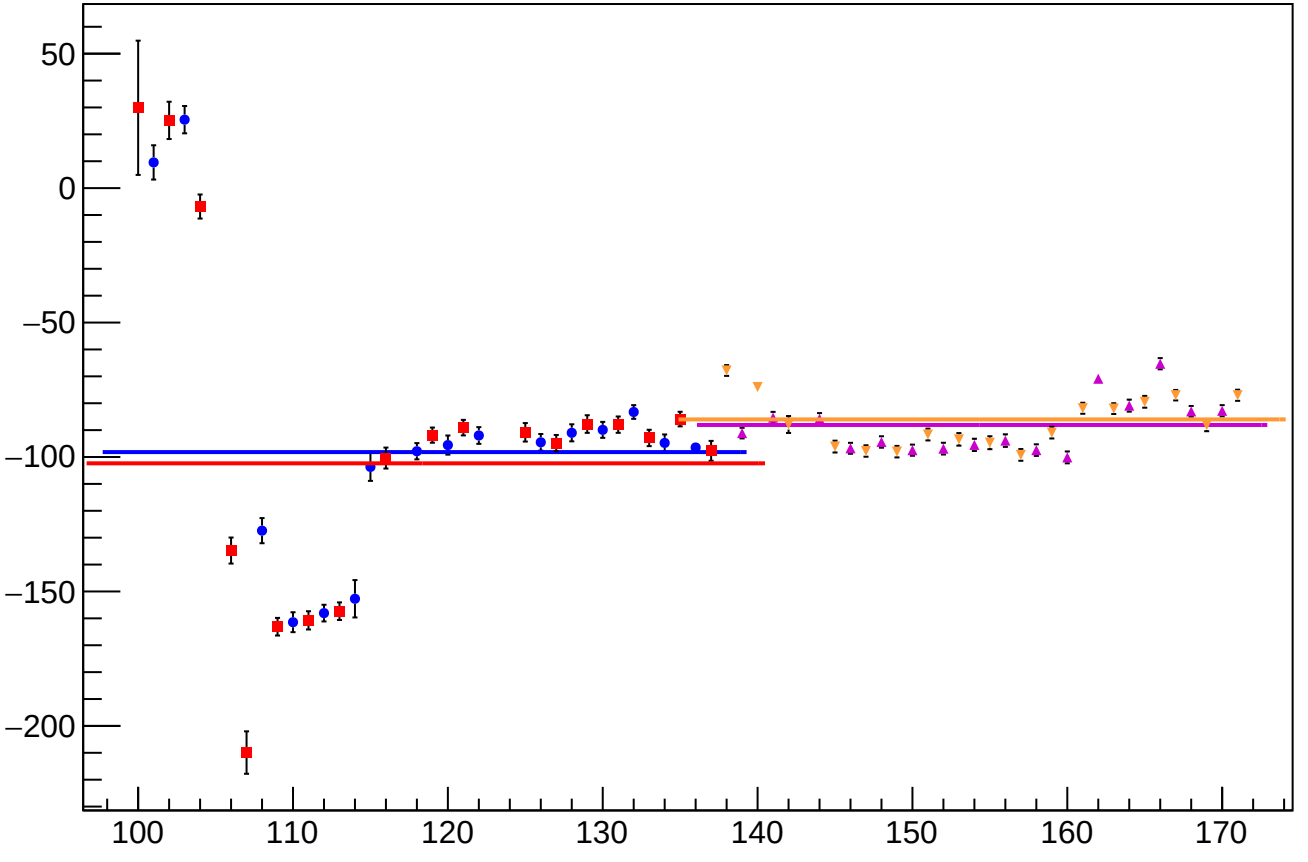
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.051+/-0.339 χ^2/NDF:224.1/31

Out: 1.849+/-0.335 χ^2/NDF:206.8/34

All: 1.455+/-0.238 χ^2/NDF: 433.7/66

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: -88.085+/-0.527 χ^2/NDF:362.5/15

Left: -87.041+/-0.371 χ^2/NDF: 706.6/32

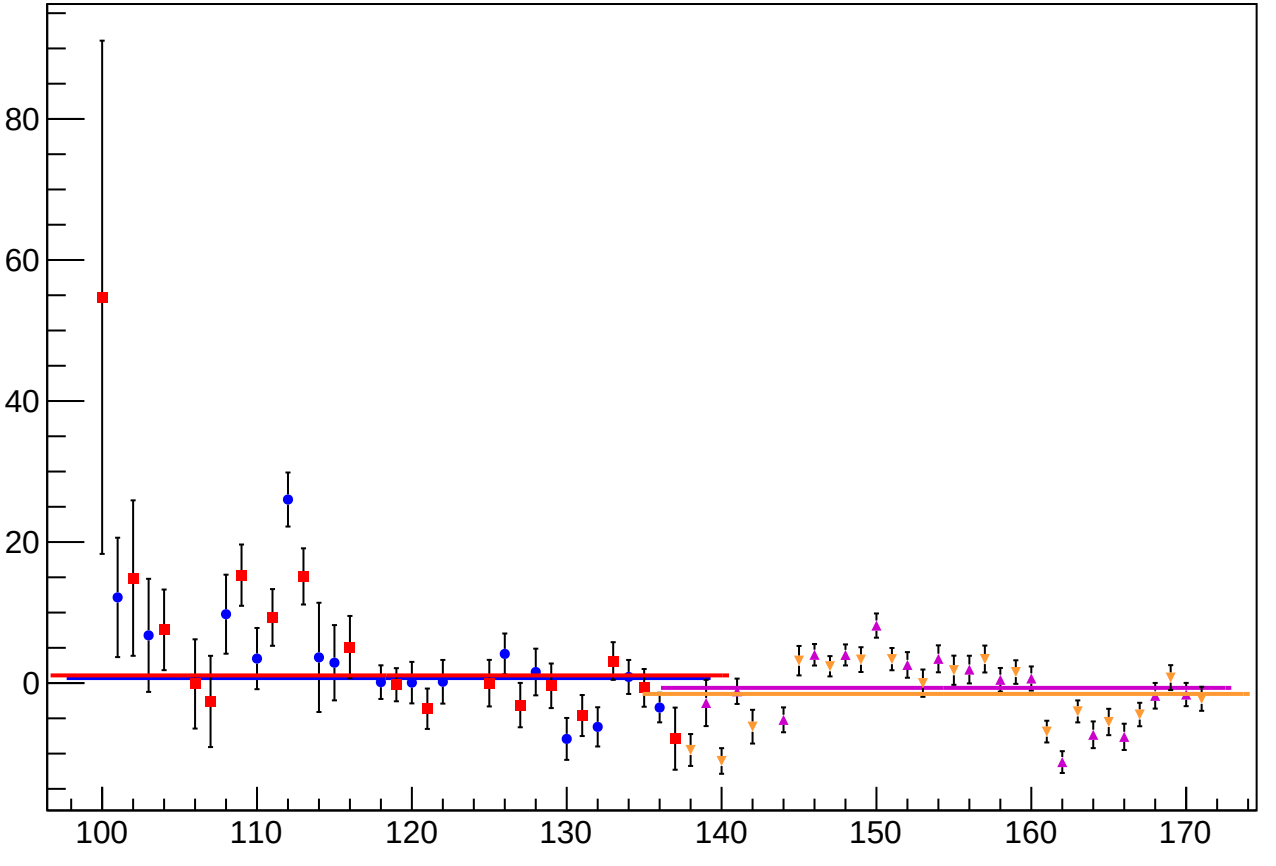
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -91.068+/-0.442 χ^2/NDF:2170.8/31

Out: -90.603+/-0.444 χ^2/NDF:2727.8/34

All: -90.836+/-0.313 χ^2/NDF: 4899.2/66

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: -0.679+/-0.441 χ^2/NDF:136.8/15

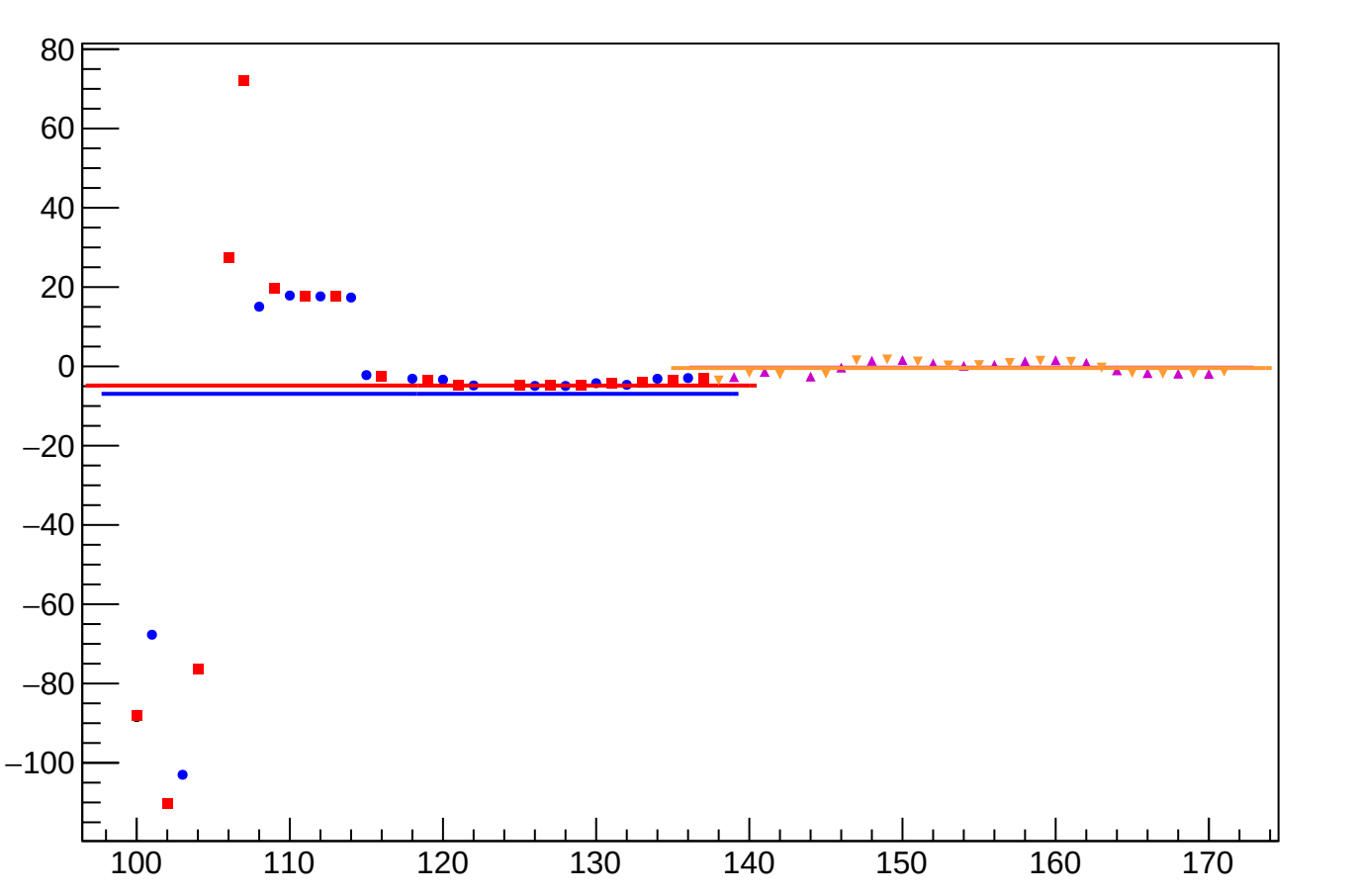
Left: -1.120+/-0.308 χ^2/NDF: 249.7/32

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

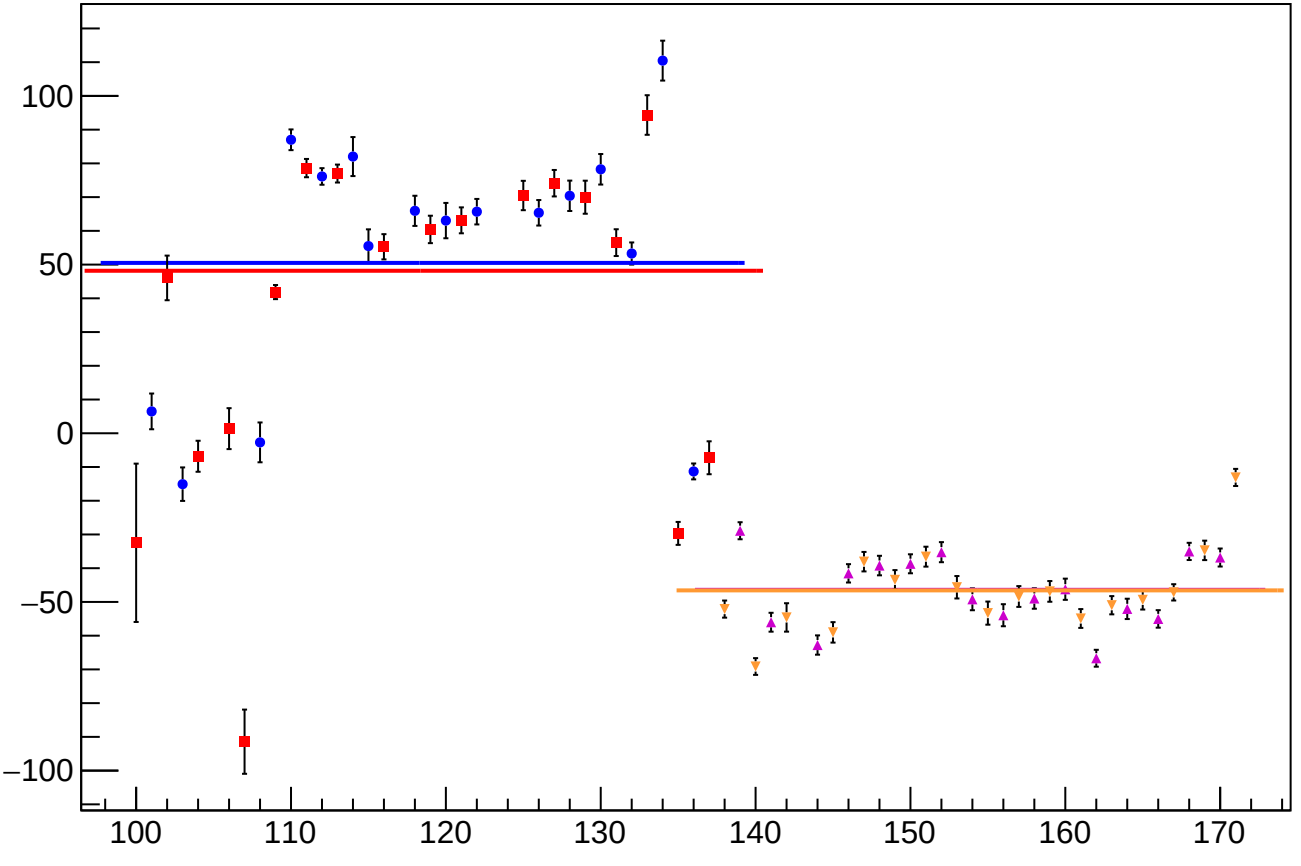
In: -0.368+/-0.389 χ^2/NDF:208.7/31

Out: -1.009+/-0.385 χ^2/NDF:166.1/34

All: -0.691+/-0.274 χ^2/NDF: 376.2/66


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: -0.331+/-0.020 χ²/NDF:5715.0/15
Left: -0.377+/-0.014 χ²/NDF: 11938.4/32
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -1.256+/-0.018 χ²/NDF:286783.2/31
Out: -0.947+/-0.018 χ²/NDF:351722.8/34
All: -1.102+/-0.013 χ²/NDF: 638649.9/66

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -46.575+/-0.697 χ^2/NDF:337.0/16

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -46.408+/-0.705 χ^2/NDF:243.4/15

Left: -46.492+/-0.496 χ^2/NDF: 580.4/32

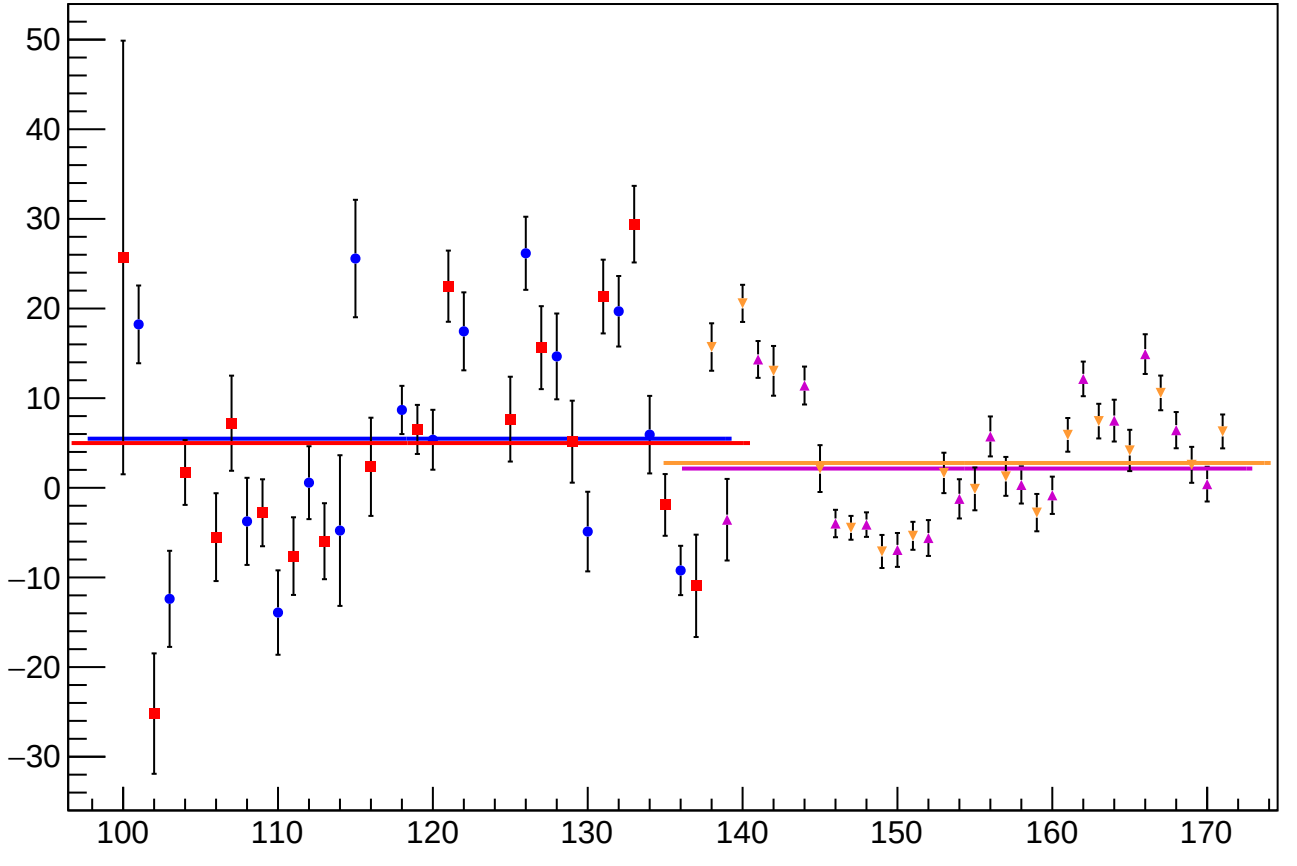
Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -12.689+/-0.569 χ^2/NDF:8318.7/31

Out: -11.743+/-0.554 χ^2/NDF:8647.4/34

All: -12.203+/-0.397 χ^2/NDF: 16967.5/66

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.771+/-0.484 χ^2/NDF:234.9/16

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.147+/-0.498 χ^2/NDF:209.2/15

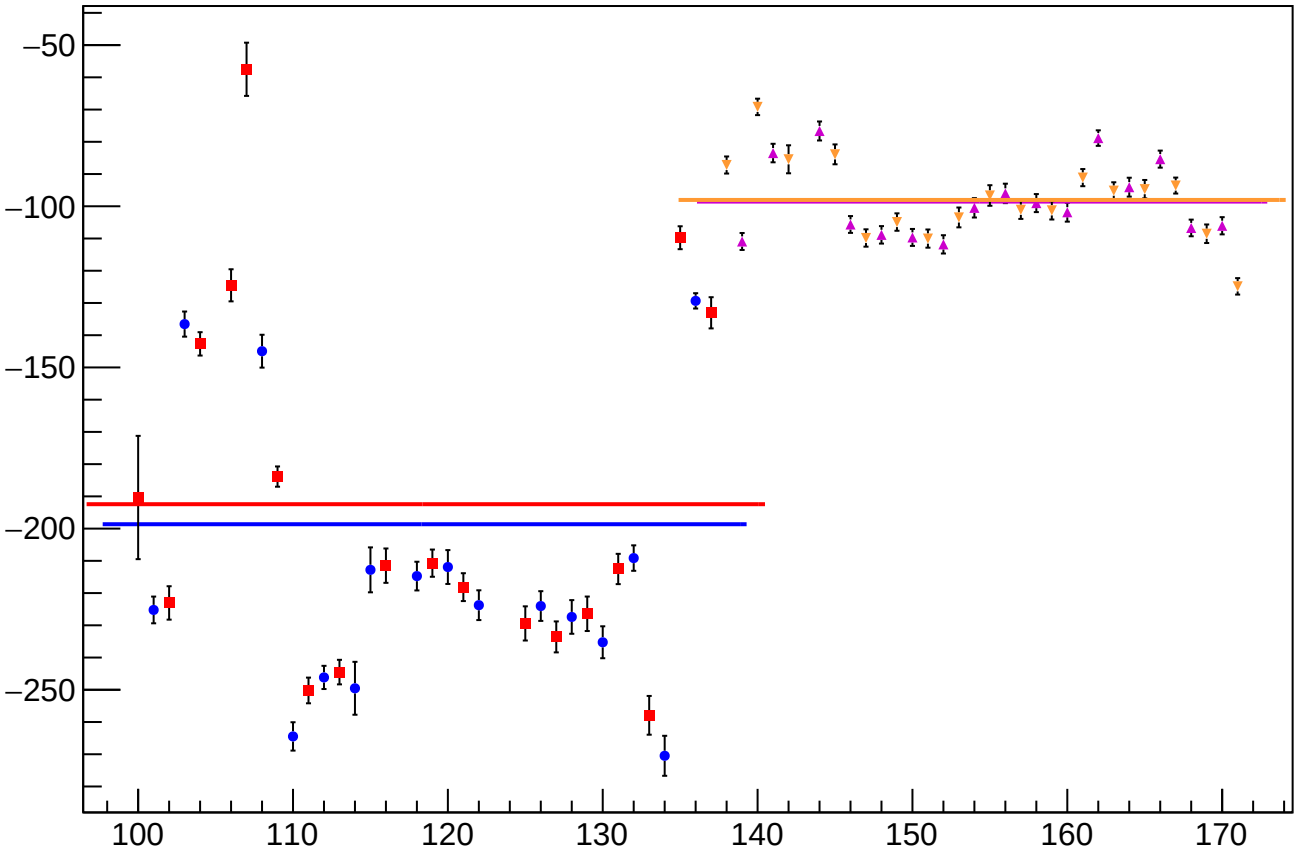
Left: 2.468+/-0.347 χ^2/NDF: 444.9/32

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 2.787+/-0.447 χ^2/NDF:356.0/31

Out: 3.177+/-0.437 χ^2/NDF:370.6/34

All: 2.986+/-0.313 χ^2/NDF: 726.9/66



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -98.038+/-0.681 χ^2/NDF:359.9/16

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -98.548+/-0.687 χ^2/NDF:280.9/15

Left: -98.291+/-0.484 χ^2/NDF: 641.1/32

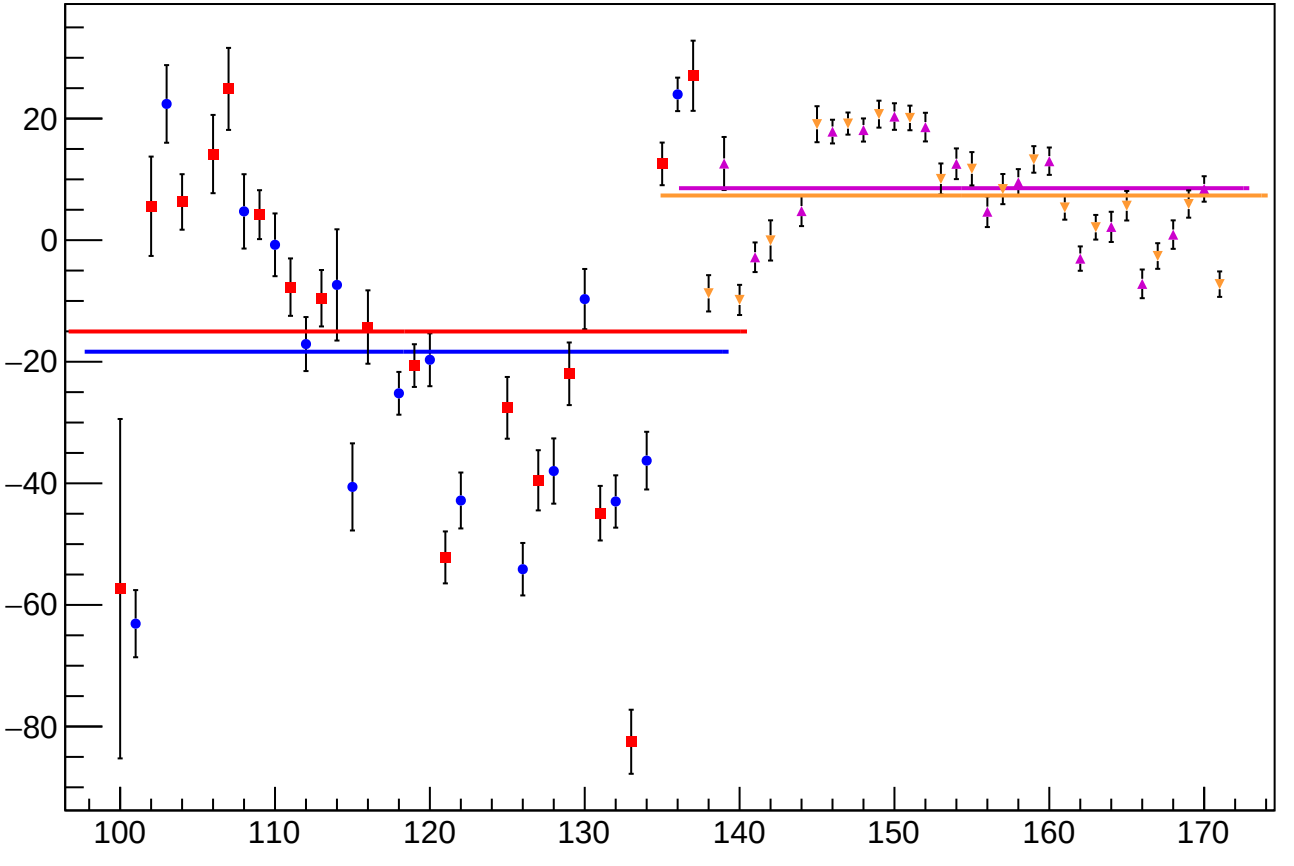
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -127.239+/-0.580 χ^2/NDF:8372.2/31

Out: -124.899+/-0.576 χ^2/NDF:7966.1/34

All: -126.061+/-0.409 χ^2/NDF: 16346.5/66

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: 8.549+/-0.574 χ^2/NDF:224.2/15

Left: 7.932+/-0.400 χ^2/NDF: 533.0/32

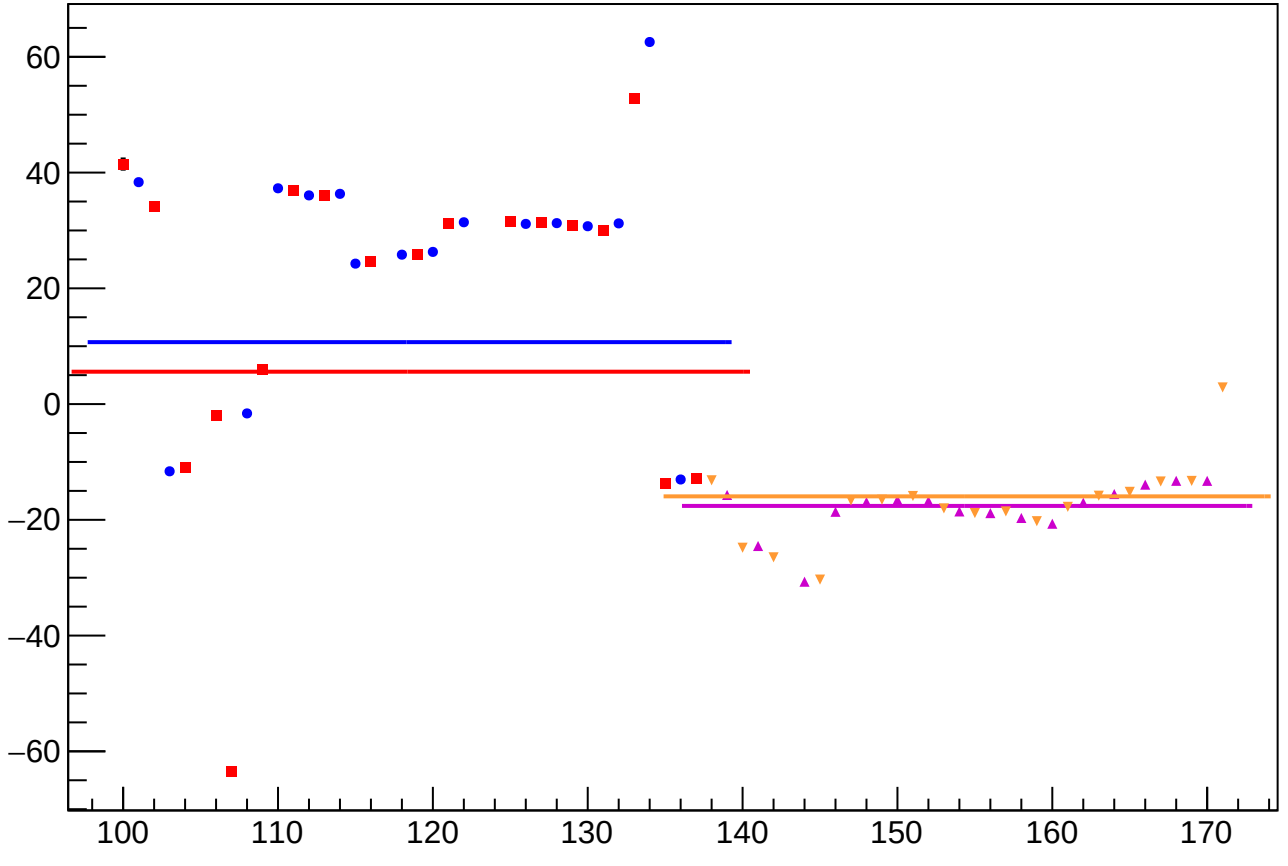
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 3.252+/-0.514 χ^2/NDF:1200.4/31

Out: 3.144+/-0.504 χ^2/NDF:1154.0/34

All: 3.197+/-0.360 χ^2/NDF: 2354.4/66

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: -17.596+/-0.026 χ^2/NDF:21838.6/15

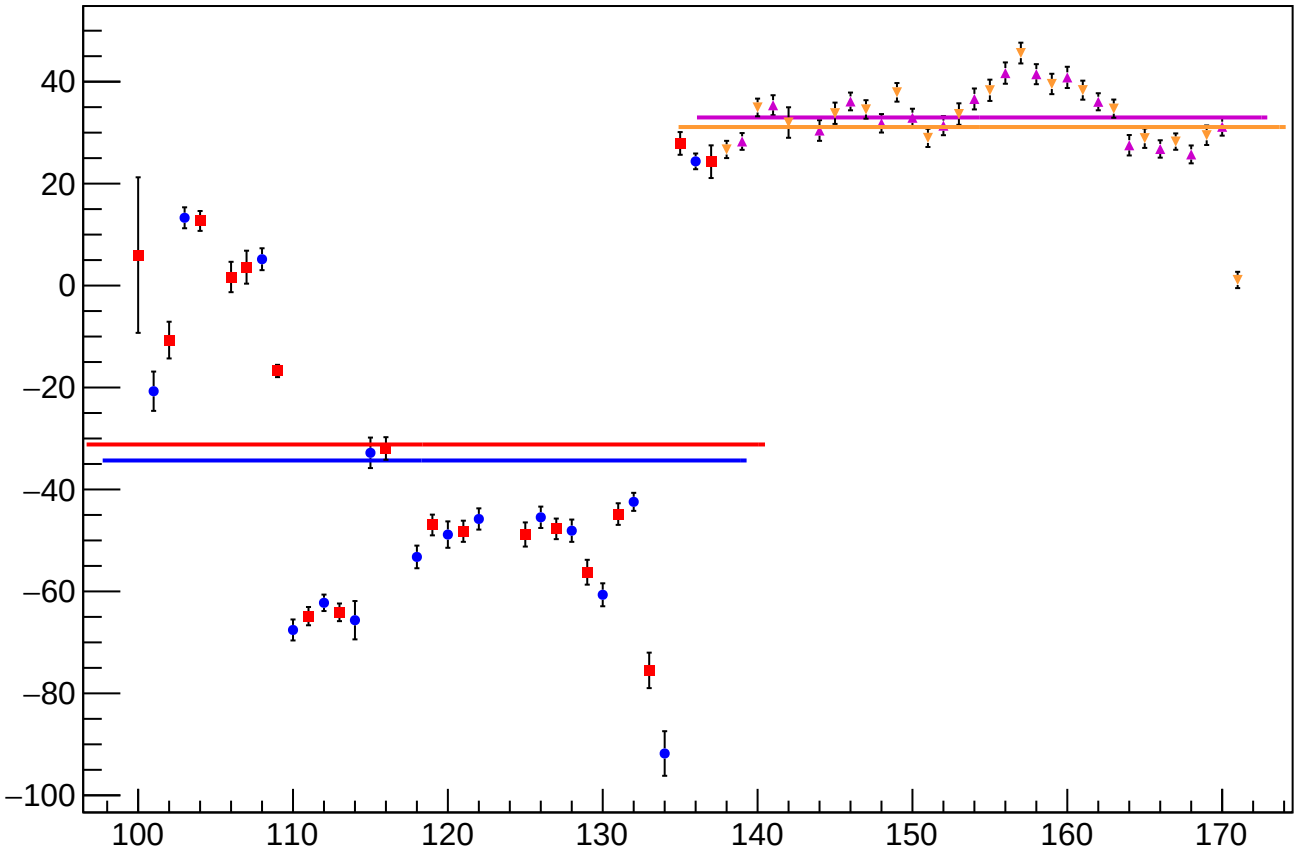
Left: -16.761+/-0.018 χ^2/NDF: 102653.0/32

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -13.595+/-0.024 χ^2/NDF:360496.2/31

Out: -13.016+/-0.023 χ^2/NDF:332721.0/34

All: -13.303+/-0.017 χ^2/NDF: 693519.3/66



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: 32.979+/-0.463 χ^2/NDF:111.0/15

Left: 32.026+/-0.325 χ^2/NDF: 611.3/32

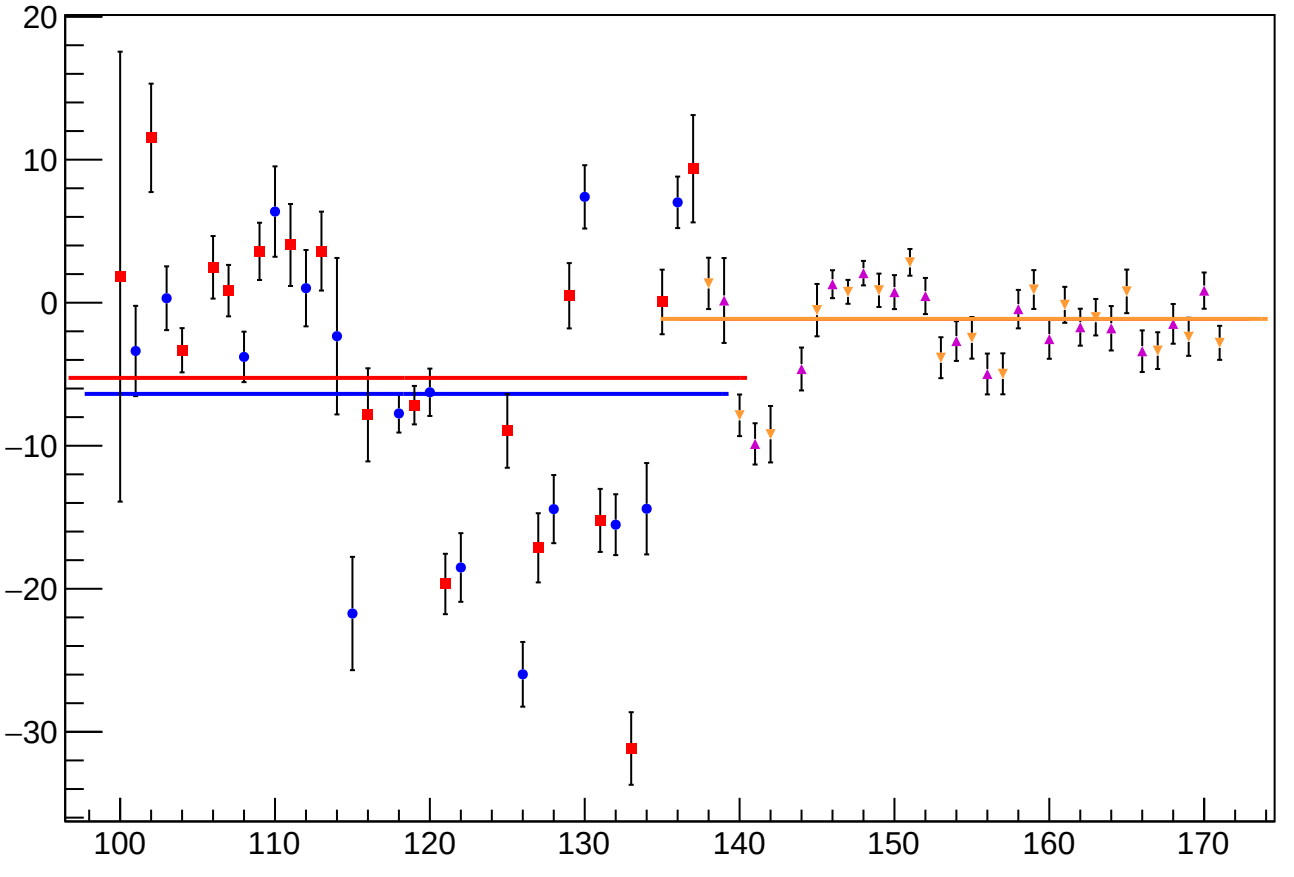
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 4.952+/-0.354 χ^2/NDF:12417.7/31

Out: 3.800+/-0.341 χ^2/NDF:11881.3/34

All: 4.356+/-0.246 χ^2/NDF: 24304.5/66

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: -1.138+/-0.324 χ^2/NDF:81.7/15

Left: -1.135+/-0.225 χ^2/NDF: 169.8/32

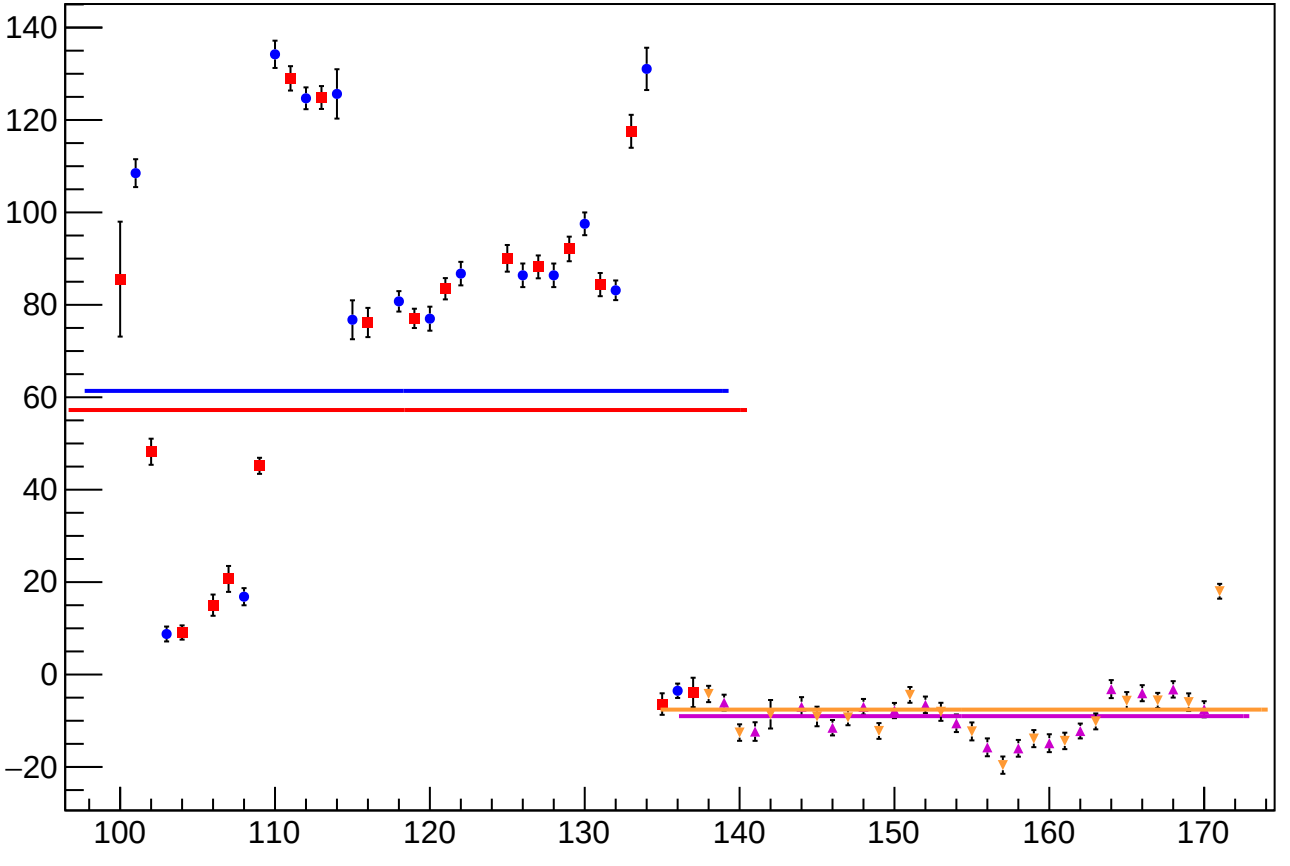
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.477+/-0.280 χ^2/NDF:431.9/31

Out: -2.192+/-0.270 χ^2/NDF:445.6/34

All: -2.329+/-0.194 χ^2/NDF: 878.1/66

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: -9.002+/-0.450 χ^2/NDF:81.9/15

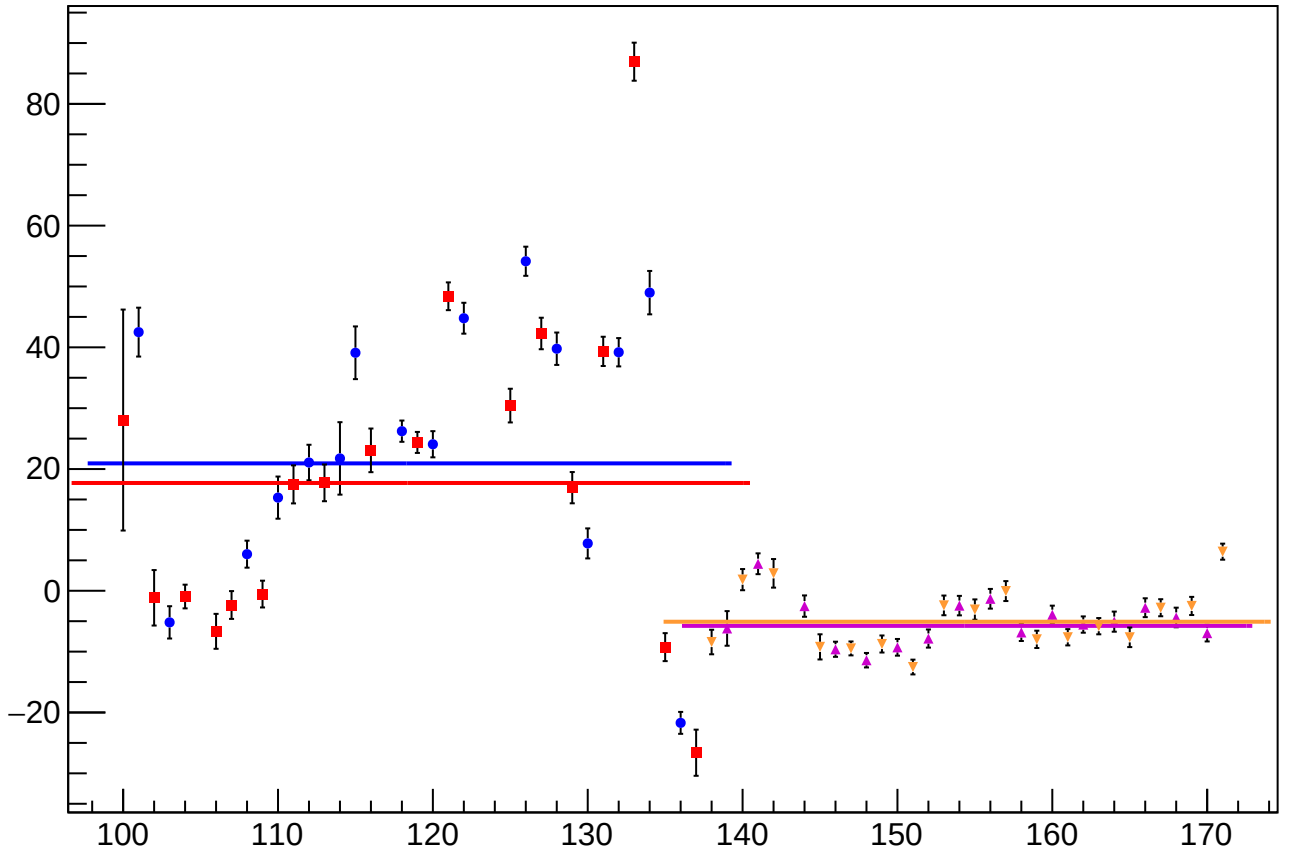
Left: -8.286+/-0.316 χ^2/NDF: 444.0/32

Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

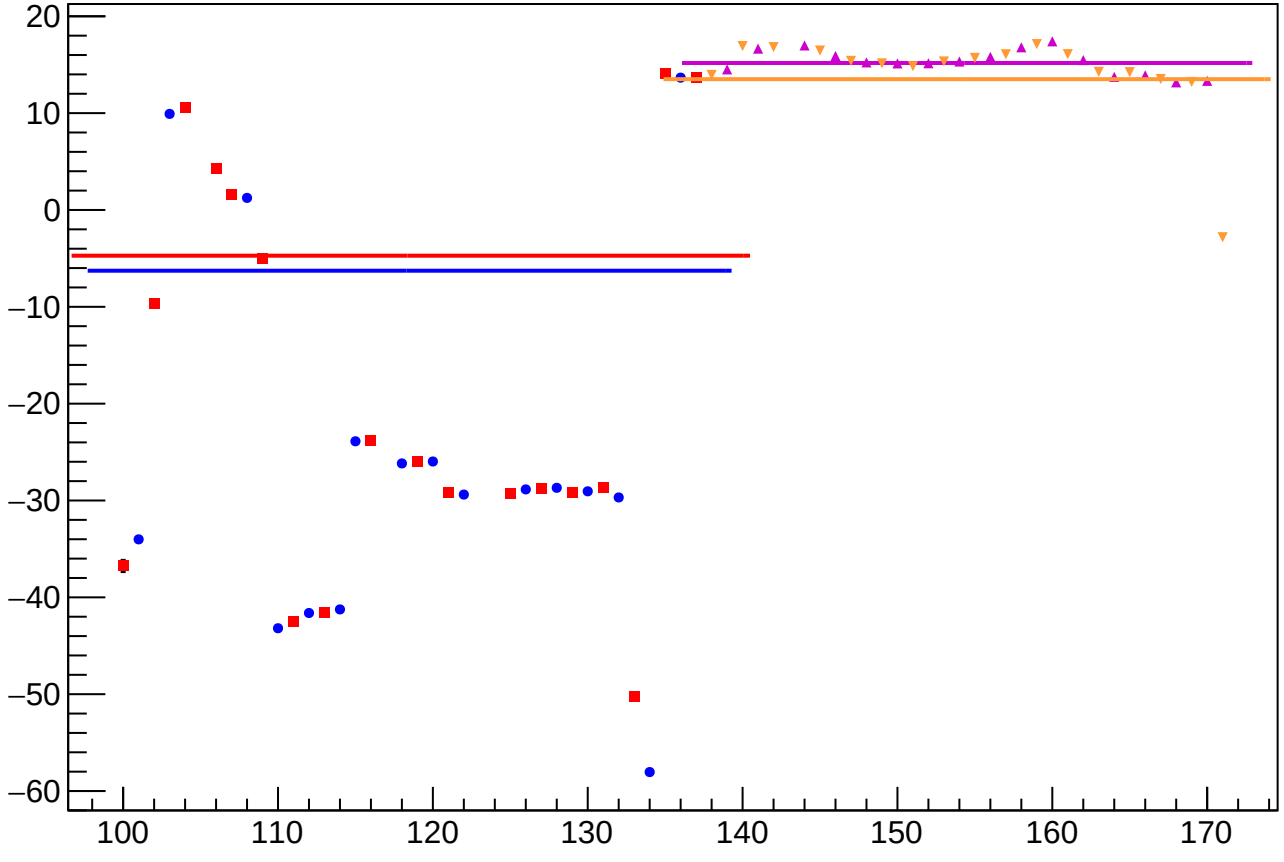
In: 16.630+/-0.359 χ^2/NDF:15065.0/31

Out: 16.361+/-0.353 χ^2/NDF:13497.1/34

All: 16.493+/-0.251 χ^2/NDF: 28562.5/66


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: -5.767+/-0.375 χ²/NDF:99.0/15
Left: -5.416+/-0.261 χ²/NDF: 300.2/32
Right: 19.265+/-0.445 χ²/NDF: 2740.4/33
In: 1.060+/-0.324 χ²/NDF:2639.0/31
Out: 0.756+/-0.313 χ²/NDF:2693.2/34
All: 0.903+/-0.225 χ²/NDF: 5332.6/66

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: 15.177+/-0.017 χ^2/NDF:5502.6/15

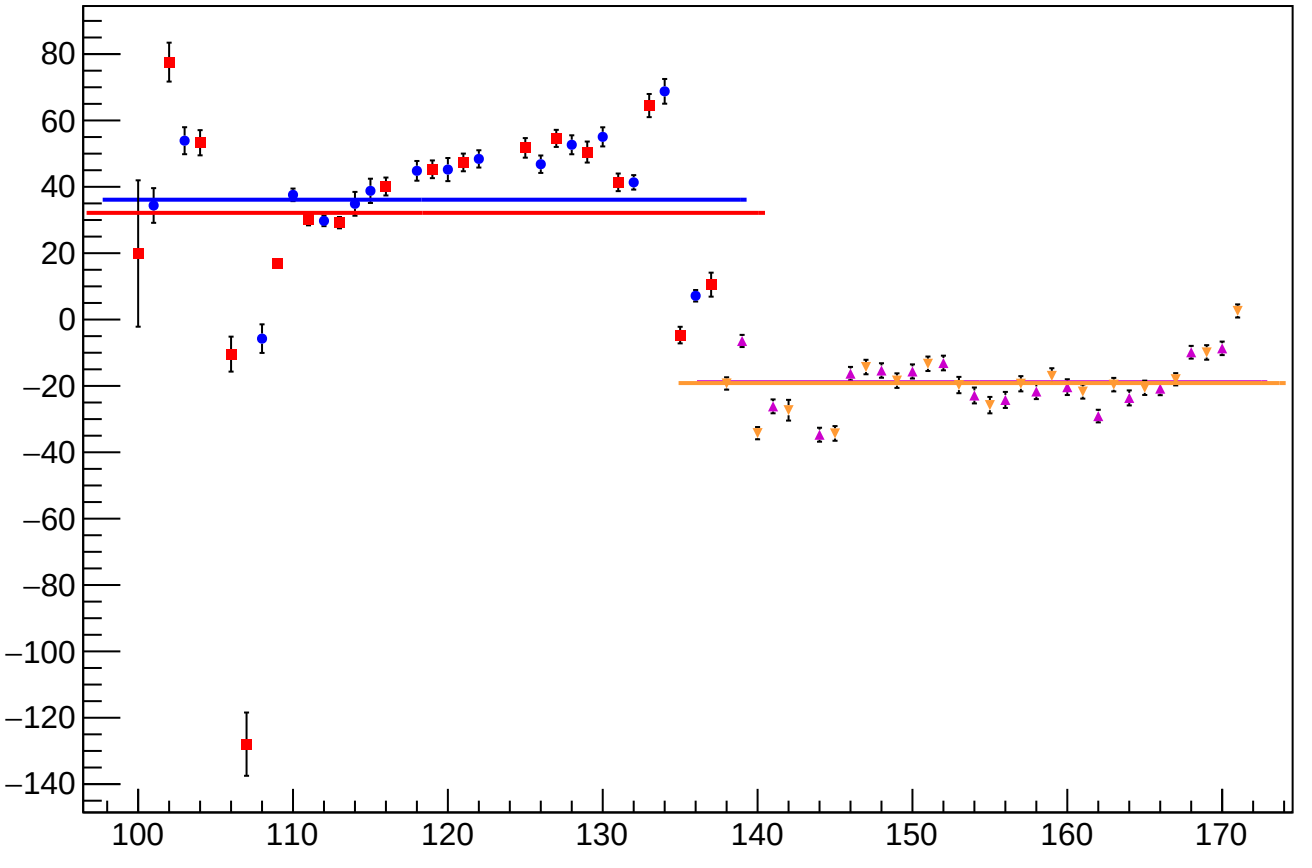
Left: 14.327+/-0.012 χ^2/NDF: 117577.2/32

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

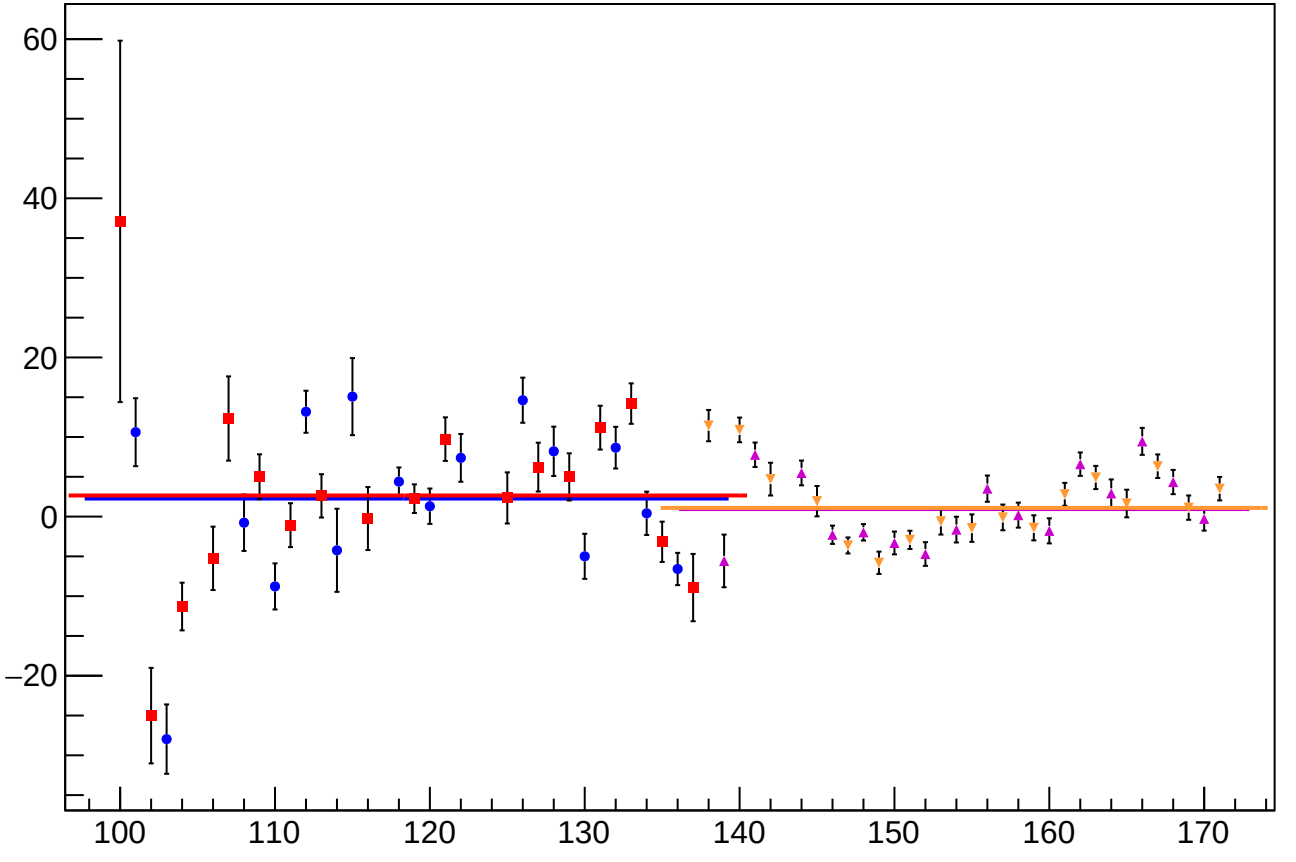
In: 10.891+/-0.015 χ^2/NDF:745609.5/31

Out: 10.009+/-0.015 χ^2/NDF:650179.7/34

All: 10.445+/-0.010 χ^2/NDF: 1397555.4/66


reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: 36.118+/-0.656 χ2/NDF: 622.8/15
Left Out: -19.142+/-0.524 χ2/NDF:281.2/16
Right Out: 32.150+/-0.631 χ2/NDF: 1114.6/17
Left In: -18.884+/-0.529 χ2/NDF:218.5/15
Left: -19.014+/-0.372 χ2/NDF: 499.8/32
Right: 34.055+/-0.455 χ2/NDF: 1756.4/33
In: 2.770+/-0.412 χ2/NDF:5098.0/31
Out: 1.789+/-0.403 χ2/NDF:5311.7/34
All: 2.269+/-0.288 χ2/NDF: 10412.6/66

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: 0.945+/-0.374 χ^2/NDF:126.2/15

Left: 1.021+/-0.261 χ^2/NDF: 285.6/32

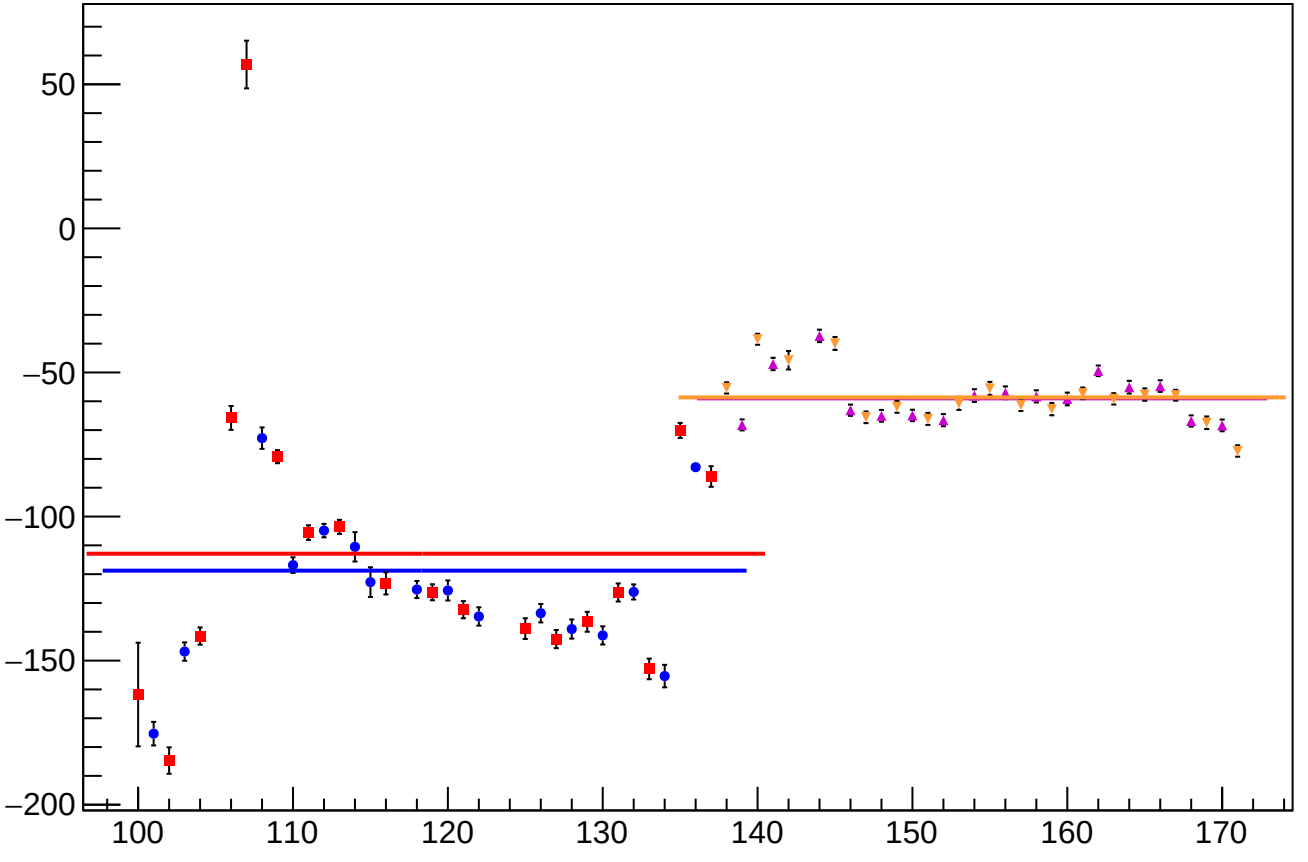
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.238+/-0.330 χ^2/NDF:281.0/31

Out: 1.413+/-0.324 χ^2/NDF:270.3/34

All: 1.327+/-0.231 χ^2/NDF: 551.4/66

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -58.648+/-0.511 χ^2/NDF:339.2/16

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -58.984+/-0.515 χ^2/NDF:262.3/15

Left: -58.815+/-0.363 χ^2/NDF: 601.7/32

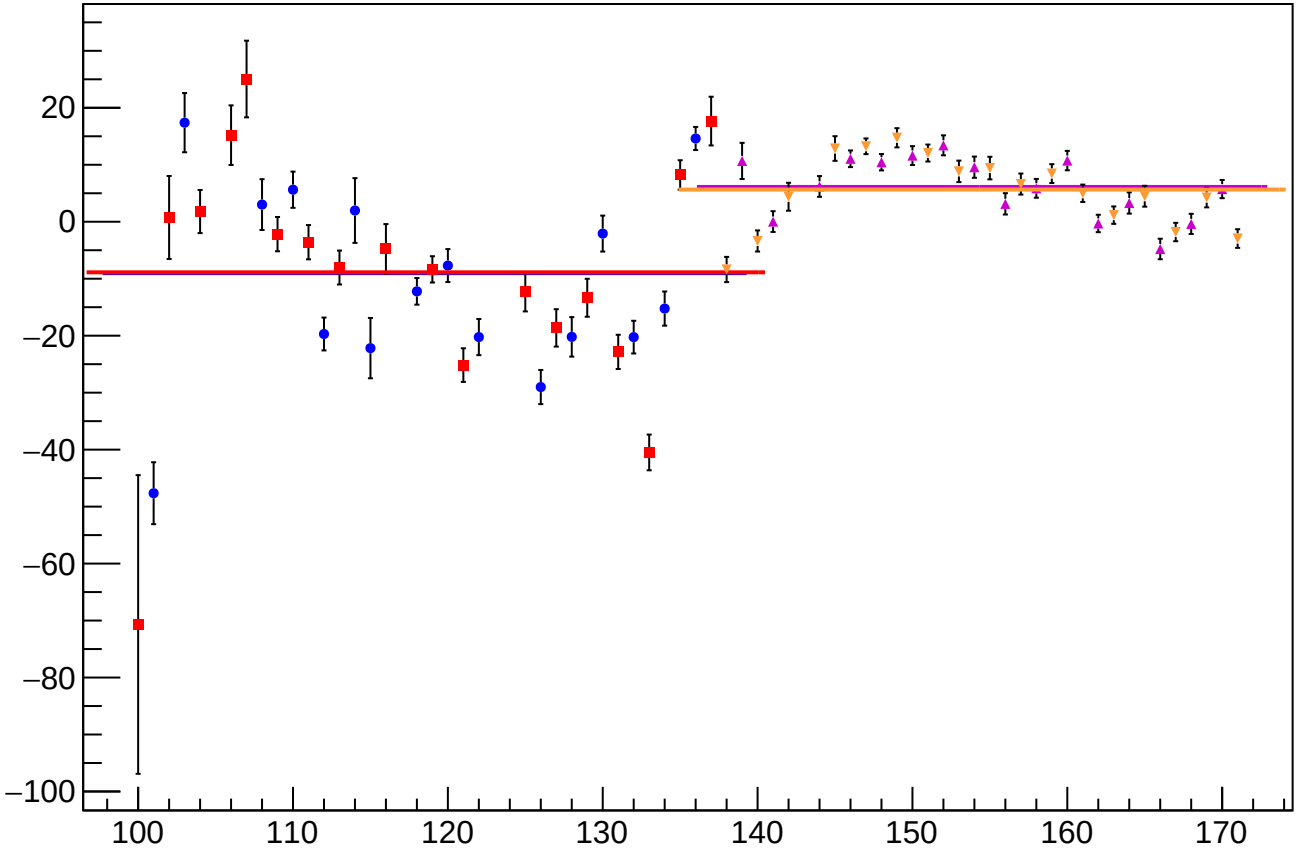
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -77.924+/-0.426 χ^2/NDF:5646.6/31

Out: -75.529+/-0.424 χ^2/NDF:5703.2/34

All: -76.722+/-0.301 χ^2/NDF: 11365.7/66

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: 6.106+/-0.432 χ^2/NDF:145.4/15

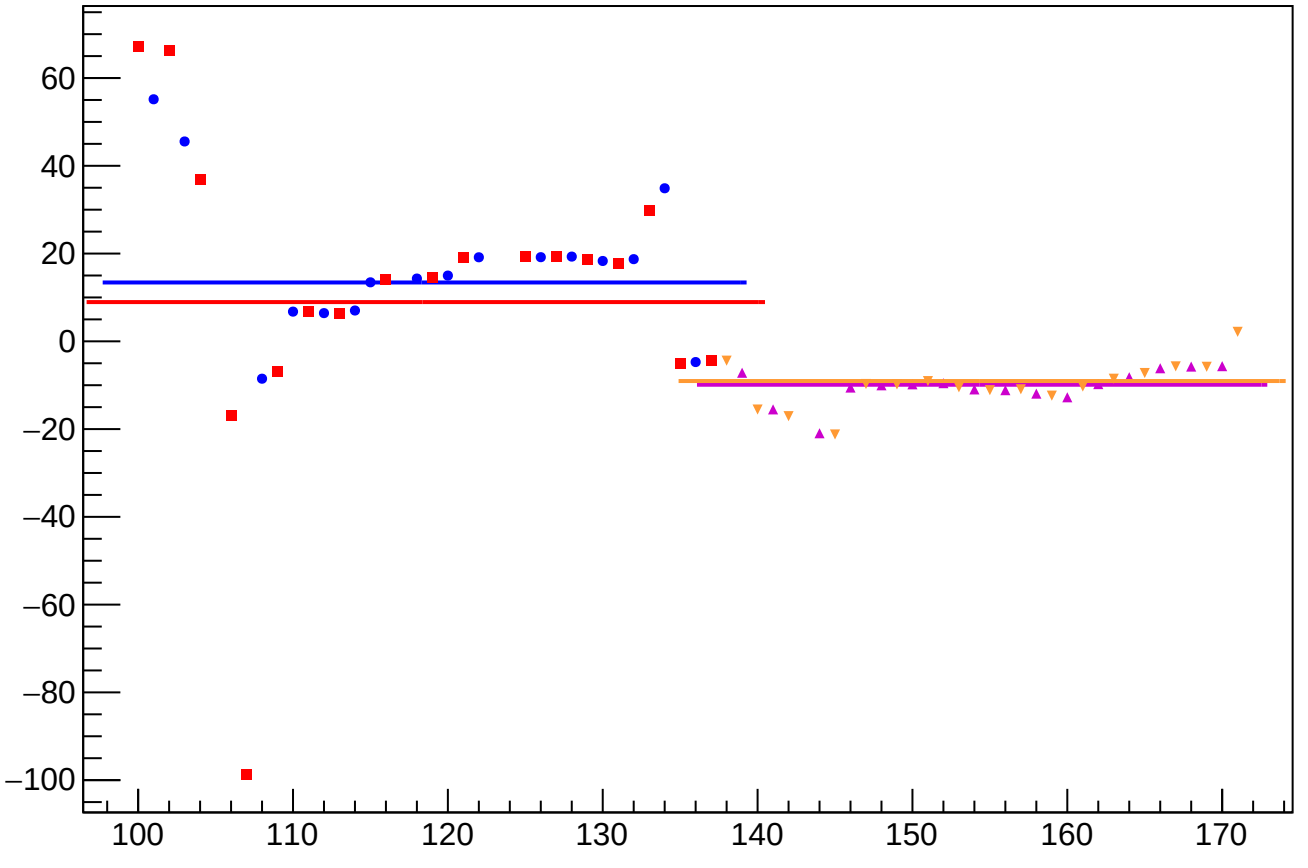
Left: 5.871+/-0.301 χ^2/NDF: 367.8/32

Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.663+/-0.380 χ^2/NDF:782.6/31

Out: 2.568+/-0.373 χ^2/NDF:793.7/34

All: 2.615+/-0.266 χ^2/NDF: 1576.4/66



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: -9.892+/-0.019 χ^2/NDF:31459.1/15

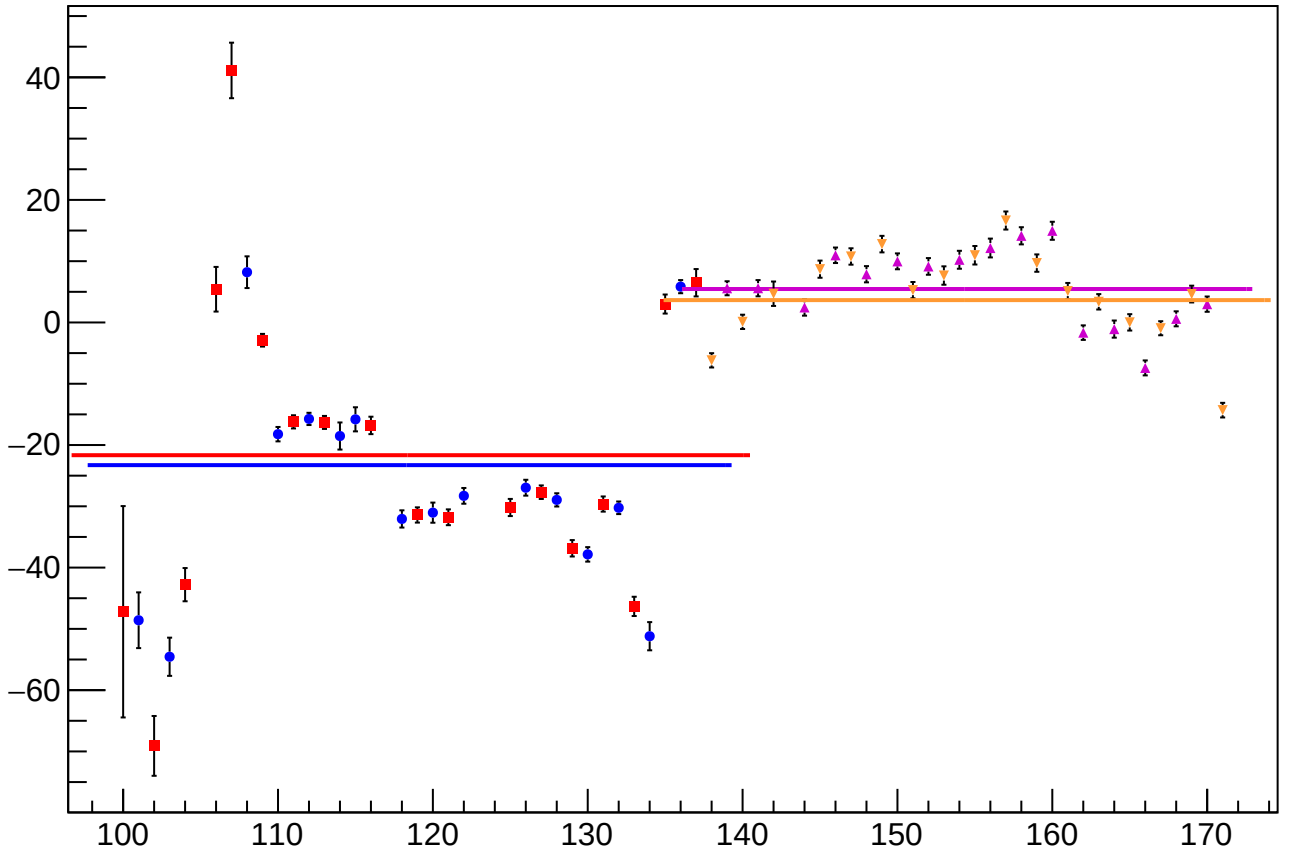
Left: -9.466+/-0.013 χ^2/NDF: 101776.7/32

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -6.358+/-0.018 χ^2/NDF:439853.9/31

Out: -6.569+/-0.018 χ^2/NDF:484690.4/34

All: -6.464+/-0.012 χ^2/NDF: 924616.0/66



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: 5.459+/-0.328 χ^2/NDF:345.5/15

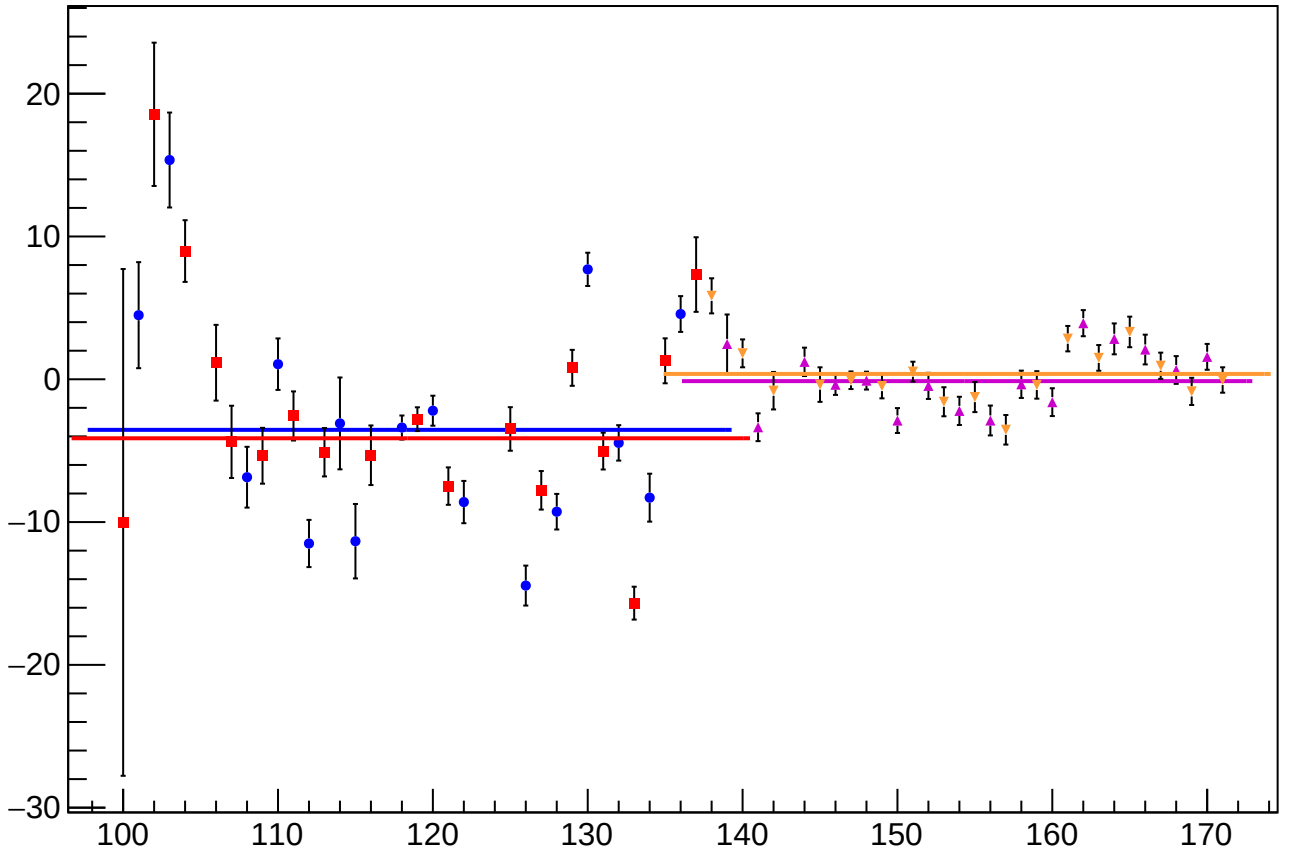
Left: 4.542+/-0.231 χ^2/NDF: 908.1/32

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -7.967+/-0.239 χ^2/NDF:5498.1/31

Out: -8.138+/-0.237 χ^2/NDF:5197.4/34

All: -8.053+/-0.168 χ^2/NDF: 10695.8/66



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: -0.130+/-0.231 χ^2/NDF:74.3/15

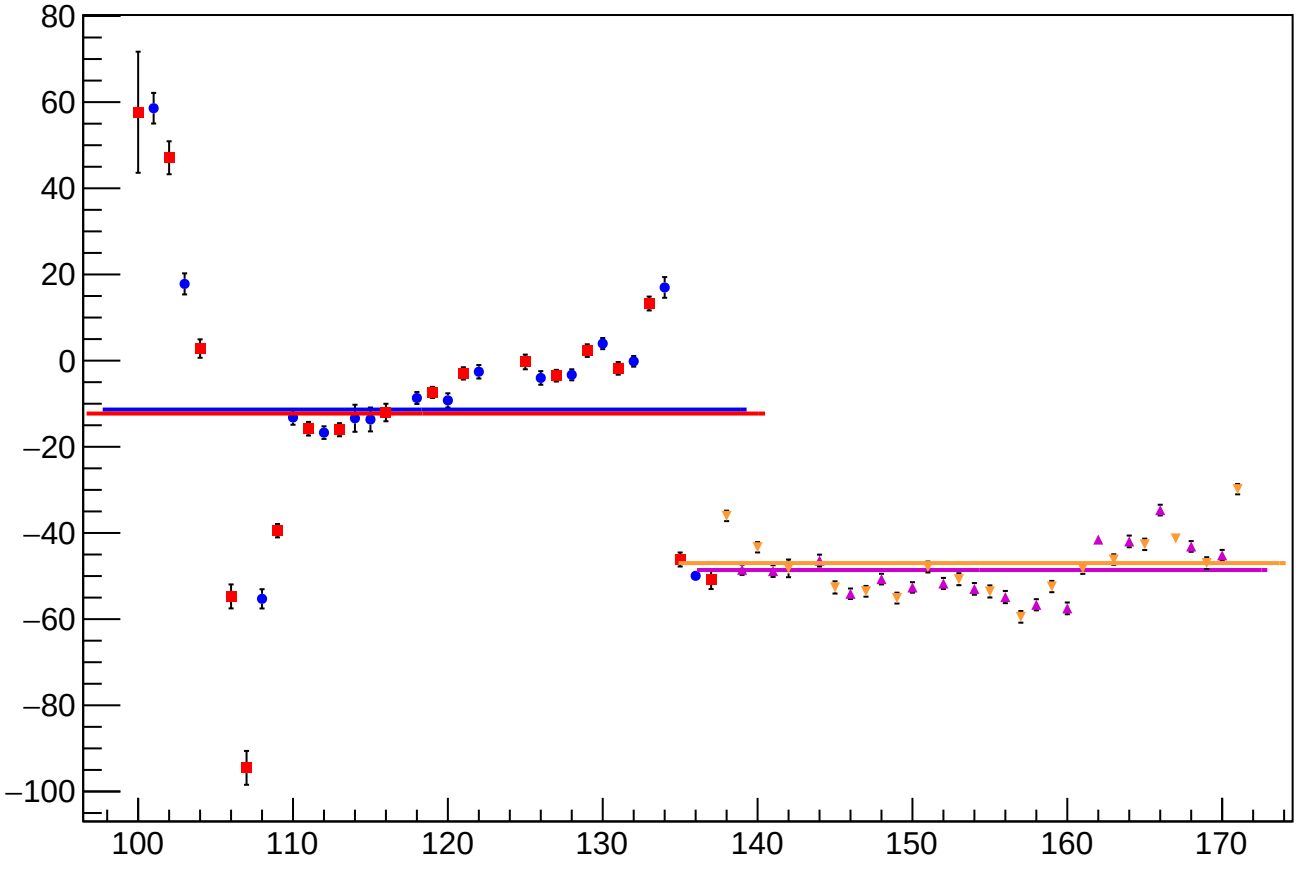
Left: 0.130+/-0.161 χ^2/NDF: 141.5/32

Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -1.116+/-0.195 χ^2/NDF:454.0/31

Out: -0.836+/-0.192 χ^2/NDF:400.3/34

All: -0.974+/-0.137 χ^2/NDF: 855.3/66



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: -48.600+/-0.319 χ^2/NDF:368.9/15

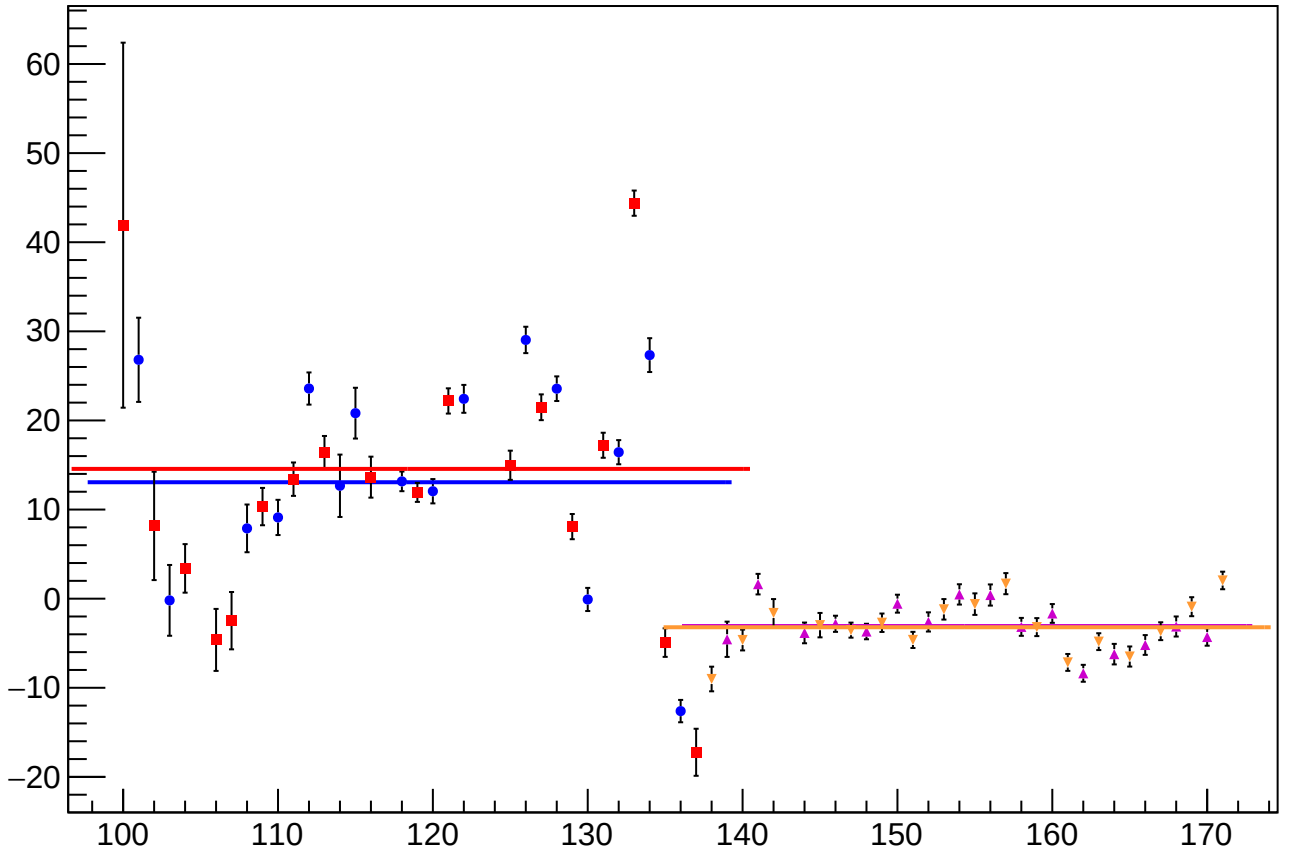
Left: -47.787+/-0.225 χ^2/NDF: 929.5/32

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -34.348+/-0.251 χ^2/NDF:8234.0/31

Out: -34.150+/-0.251 χ^2/NDF:7584.9/34

All: -34.249+/-0.178 χ^2/NDF: 15819.3/66



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: -3.070+/-0.267 χ^2/NDF:88.6/15

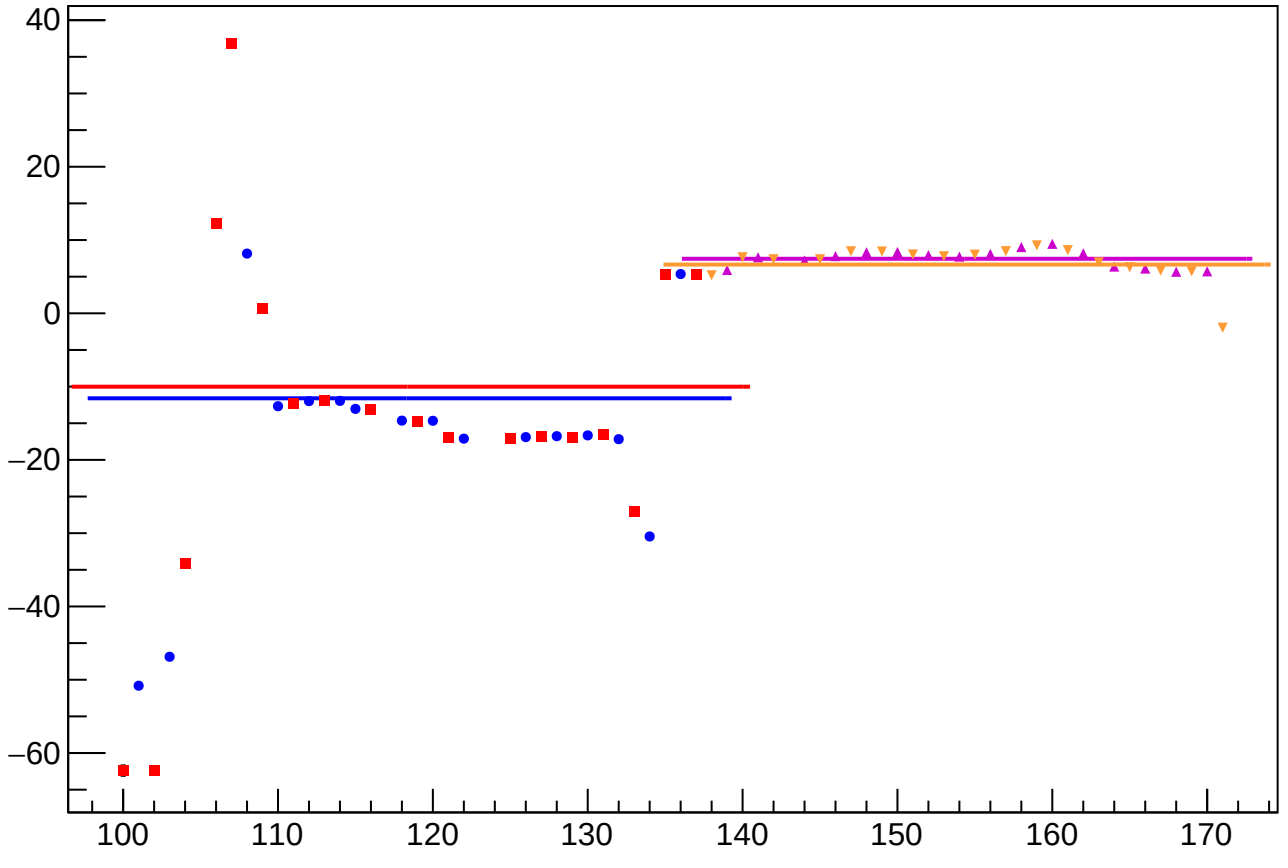
Left: -3.141+/-0.186 χ^2/NDF: 198.6/32

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.663+/-0.225 χ^2/NDF:2021.9/31

Out: 1.665+/-0.221 χ^2/NDF:2297.0/34

All: 1.664+/-0.158 χ^2/NDF: 4318.9/66



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: 7.442+/-0.012 χ^2/NDF:10206.4/15

Left: 7.043+/-0.008 χ^2/NDF: 72204.4/32

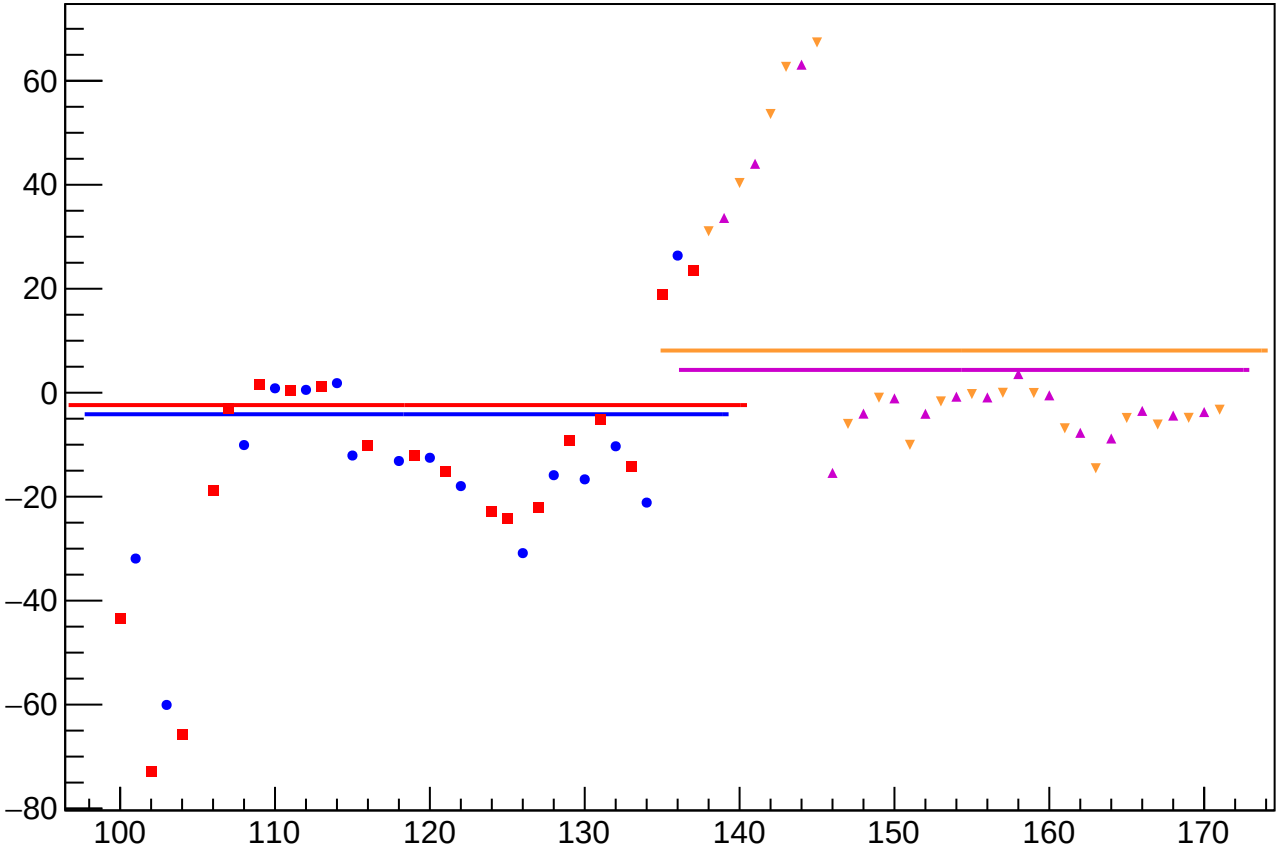
Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 4.222+/-0.011 χ^2/NDF:805776.9/31

Out: 4.080+/-0.011 χ^2/NDF:767824.5/34

All: 4.151+/-0.008 χ^2/NDF: 1573688.0/66

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: 4.384+/-0.052 χ^2/NDF:121530.8/15

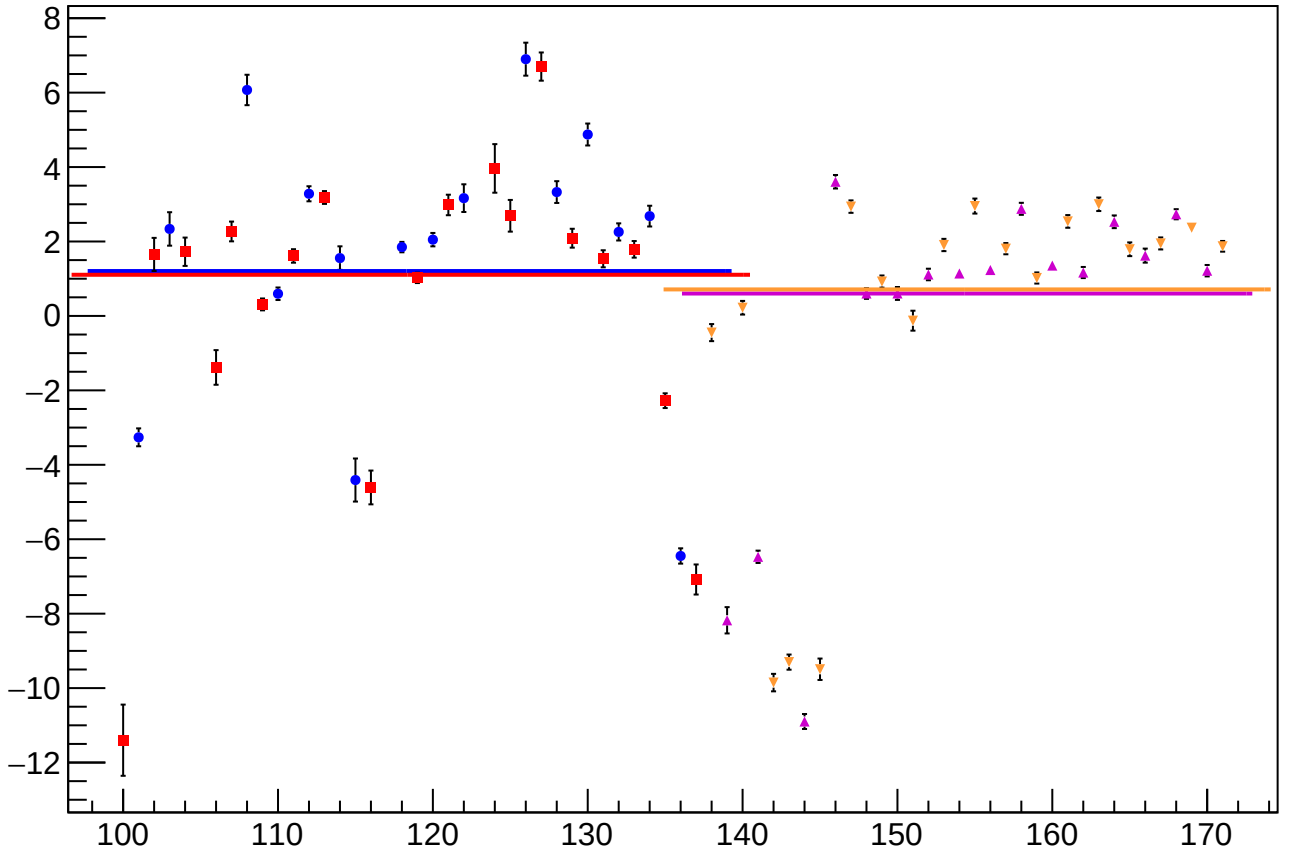
Left: 6.071+/-0.039 χ^2/NDF: 278650.4/33

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.302+/-0.038 χ^2/NDF:209478.6/31

Out: 1.716+/-0.036 χ^2/NDF:255783.1/36

All: 1.043+/-0.026 χ^2/NDF: 465994.6/68



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: 0.602+/-0.038 χ^2/NDF:6719.0/15

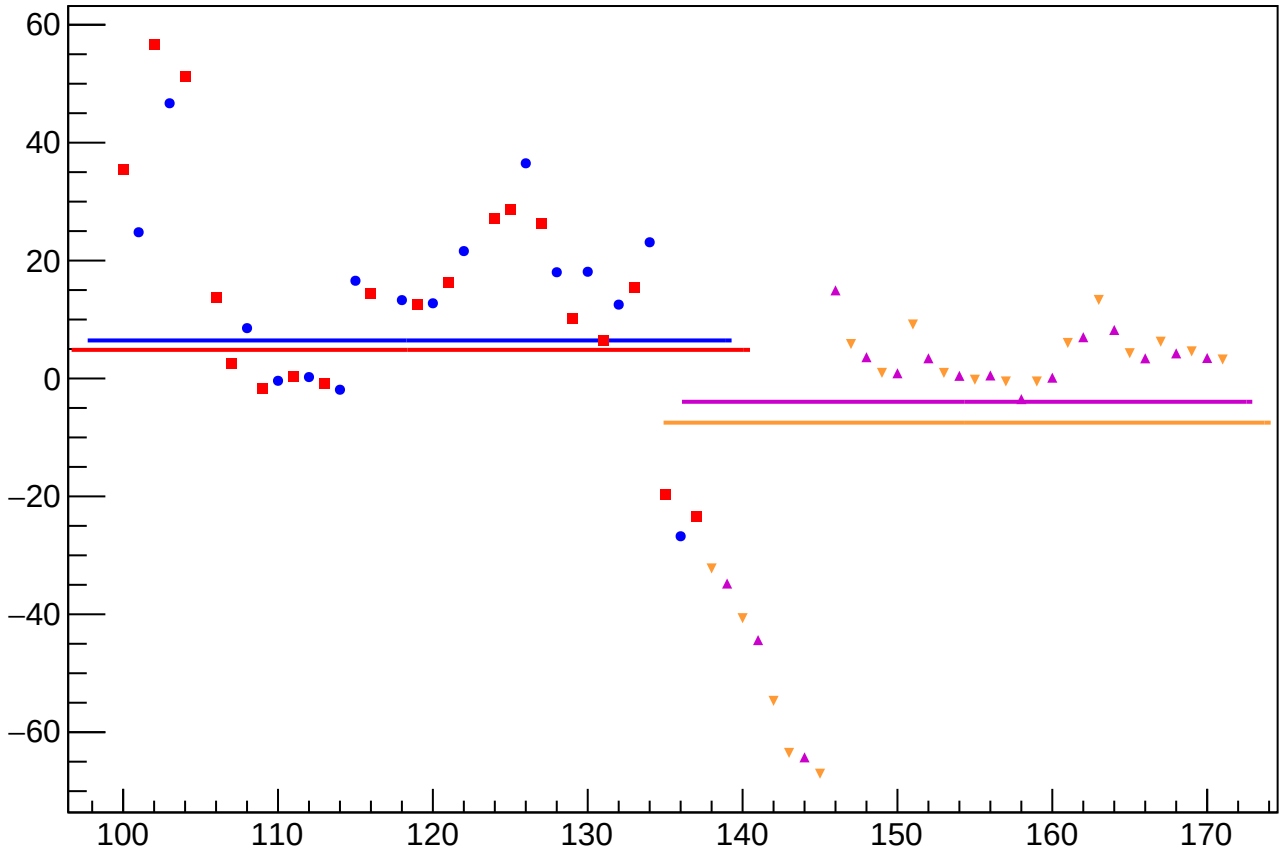
Left: 0.652+/-0.028 χ^2/NDF: 13458.9/33

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.771+/-0.032 χ^2/NDF:9375.4/31

Out: 0.849+/-0.034 χ^2/NDF:8354.1/36

All: 0.808+/-0.023 χ^2/NDF: 17732.3/68



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: -3.952+/-0.051 χ^2/NDF:119124.0/15

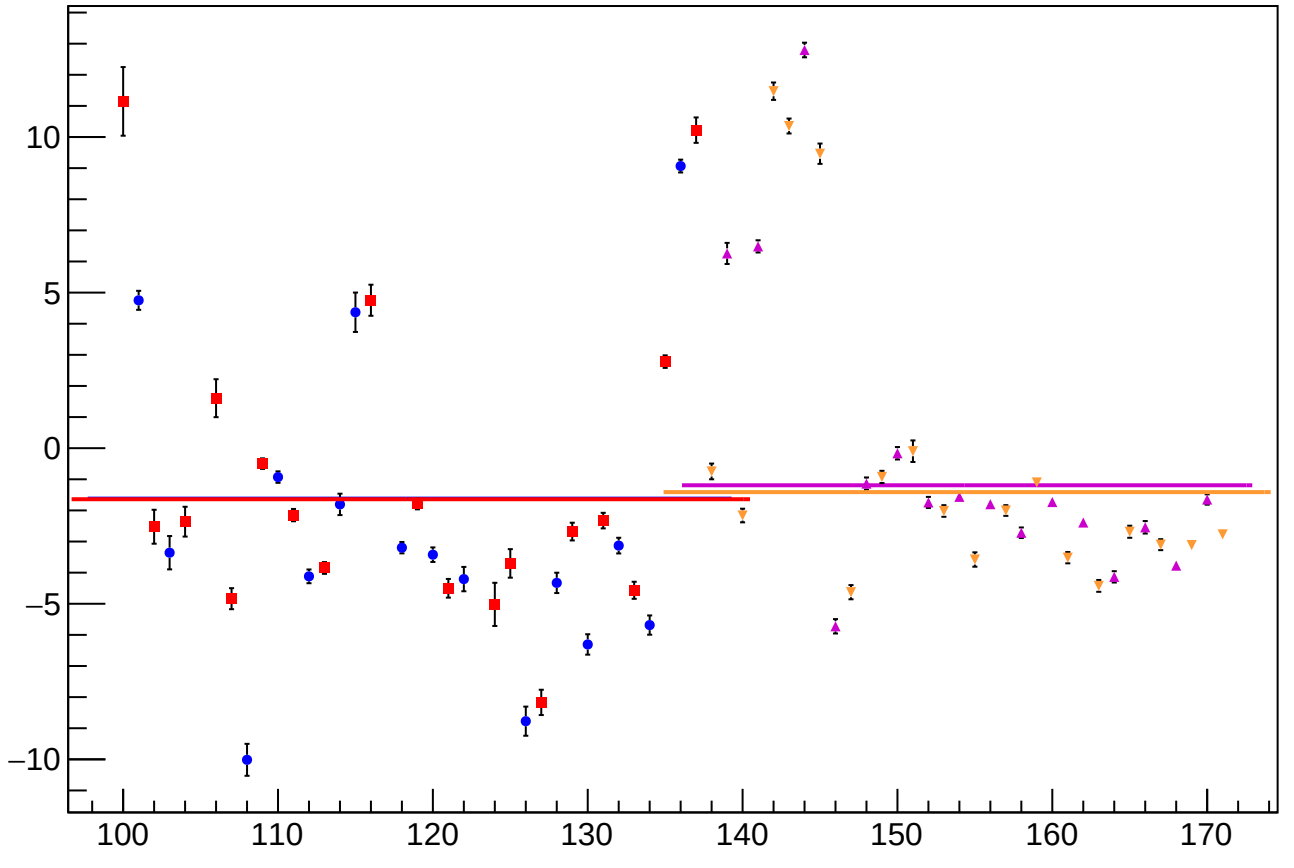
Left: -5.528+/-0.038 χ^2/NDF: 271922.7/33

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: -0.043+/-0.040 χ^2/NDF:205690.3/31

Out: -1.606+/-0.041 χ^2/NDF:248675.1/36

All: -0.808+/-0.029 χ^2/NDF: 455112.9/68



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: -1.192+/-0.043 χ^2/NDF:6732.2/15

Left: -1.291+/-0.032 χ^2/NDF: 13452.9/33

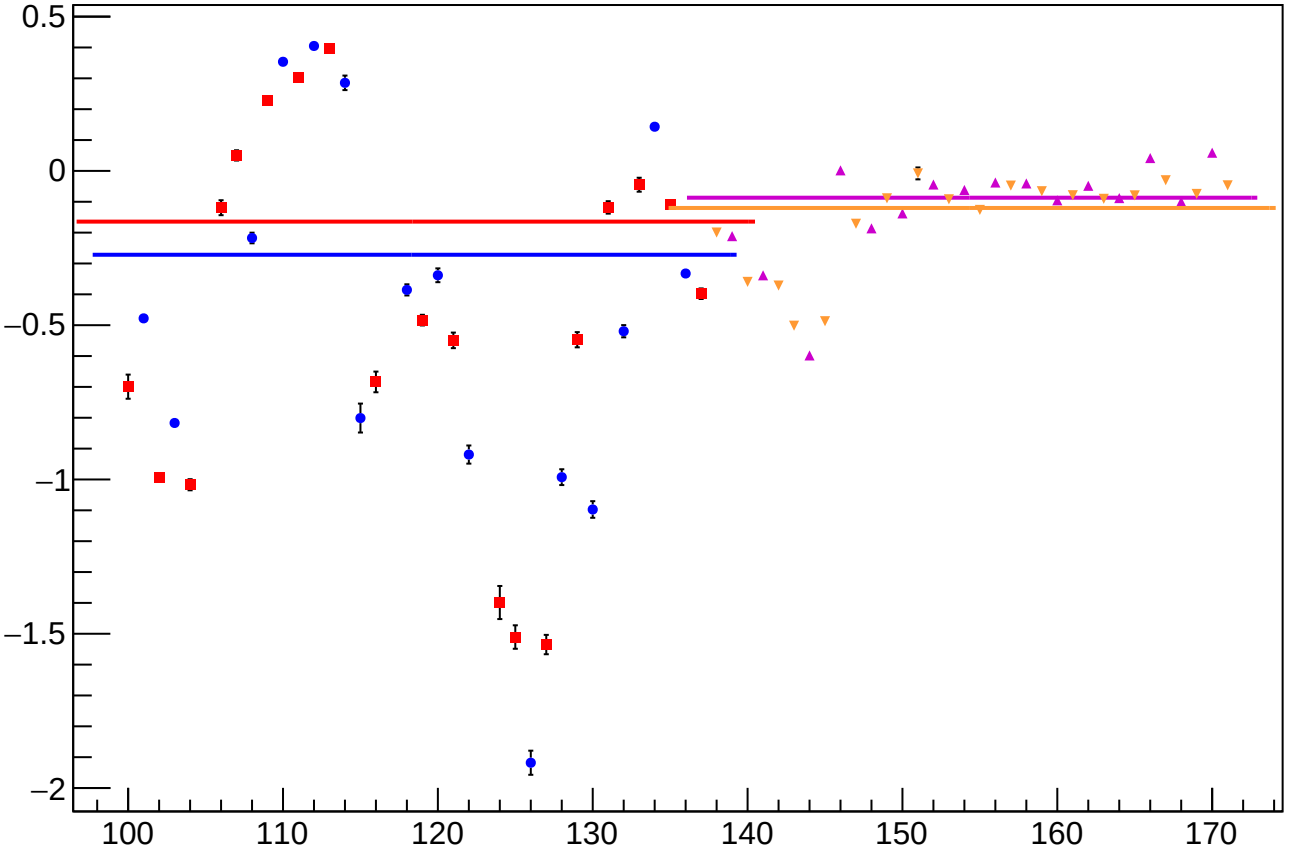
Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.309+/-0.036 χ^2/NDF:11285.2/31

Out: -1.491+/-0.038 χ^2/NDF:9179.1/36

All: -1.396+/-0.026 χ^2/NDF: 20476.2/68

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: -0.087+/-0.002 χ^2/NDF:3656.6/15

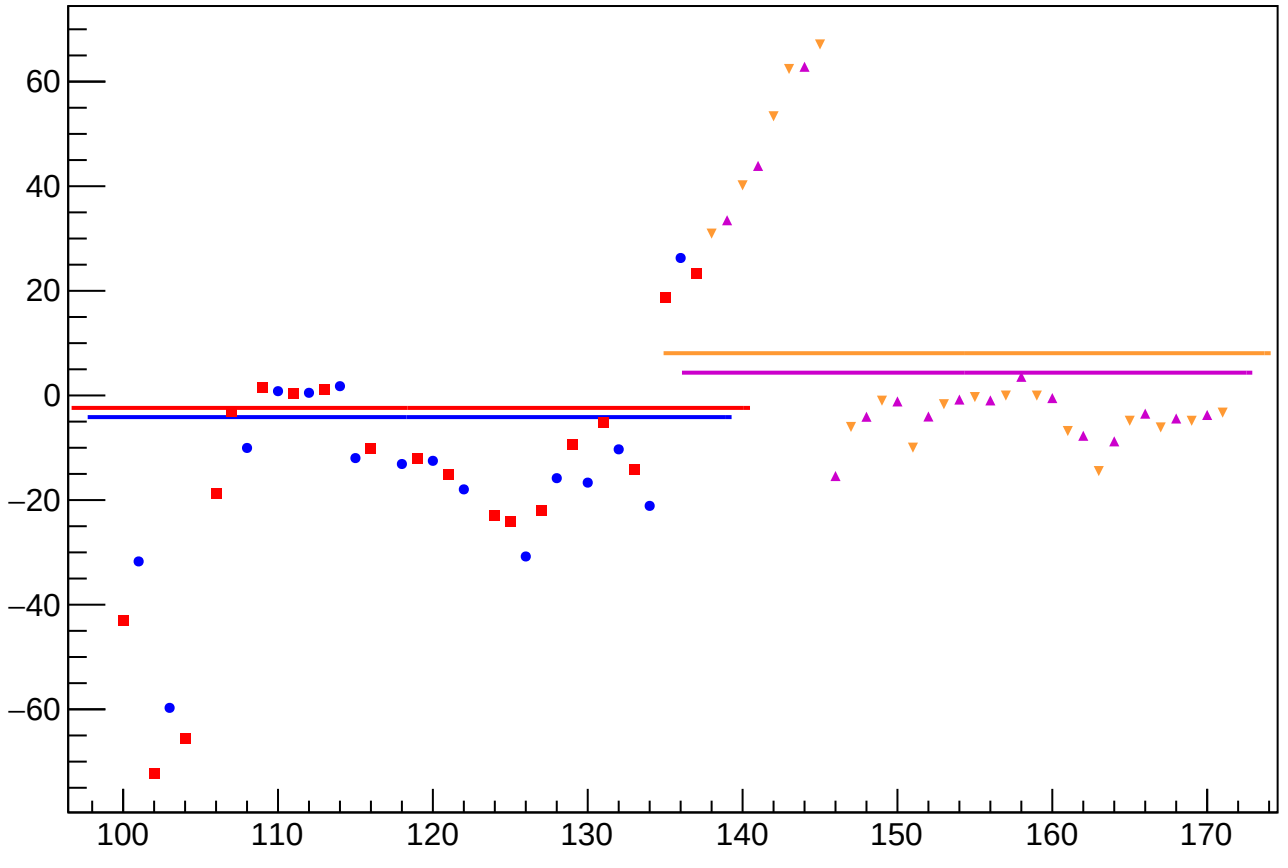
Left: -0.101+/-0.001 χ^2/NDF: 7141.2/33

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.116+/-0.002 χ^2/NDF:17369.2/31

Out: -0.130+/-0.002 χ^2/NDF:18939.6/36

All: -0.123+/-0.001 χ^2/NDF: 36340.3/68



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: 4.355+/-0.052 χ^2/NDF:121416.2/15

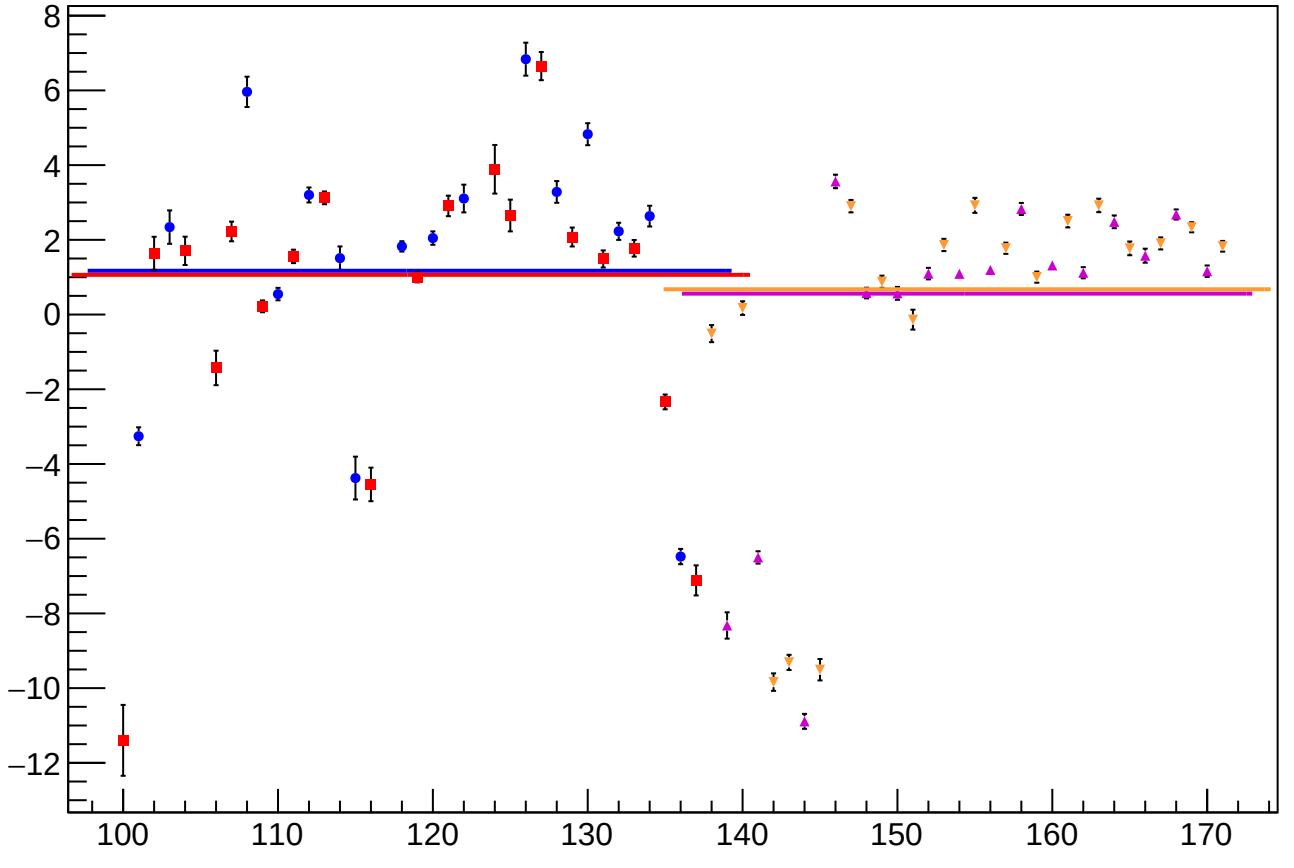
Left: 6.040+/-0.039 χ^2/NDF: 278286.1/33

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.275+/-0.038 χ^2/NDF:209349.9/31

Out: 1.687+/-0.036 χ^2/NDF:255479.8/36

All: 1.016+/-0.026 χ^2/NDF: 465567.1/68



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: 0.560+/-0.038 χ^2/NDF:6734.3/15

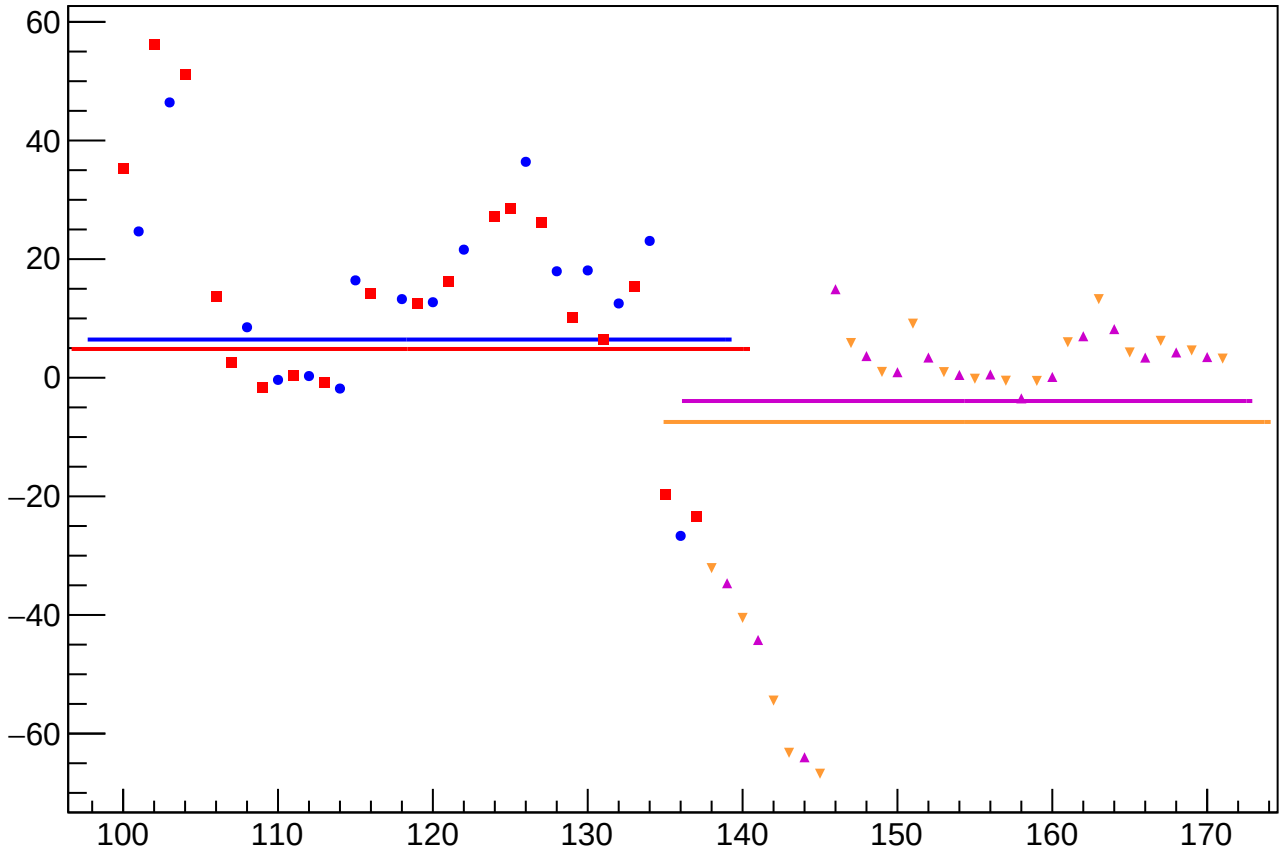
Left: 0.612+/-0.028 χ^2/NDF: 13478.6/33

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.732+/-0.032 χ^2/NDF:9393.4/31

Out: 0.811+/-0.034 χ^2/NDF:8366.5/36

All: 0.769+/-0.023 χ^2/NDF: 17762.8/68



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: -3.924+/-0.050 χ^2/NDF:119007.6/15

Left: -5.498+/-0.038 χ^2/NDF: 271564.2/33

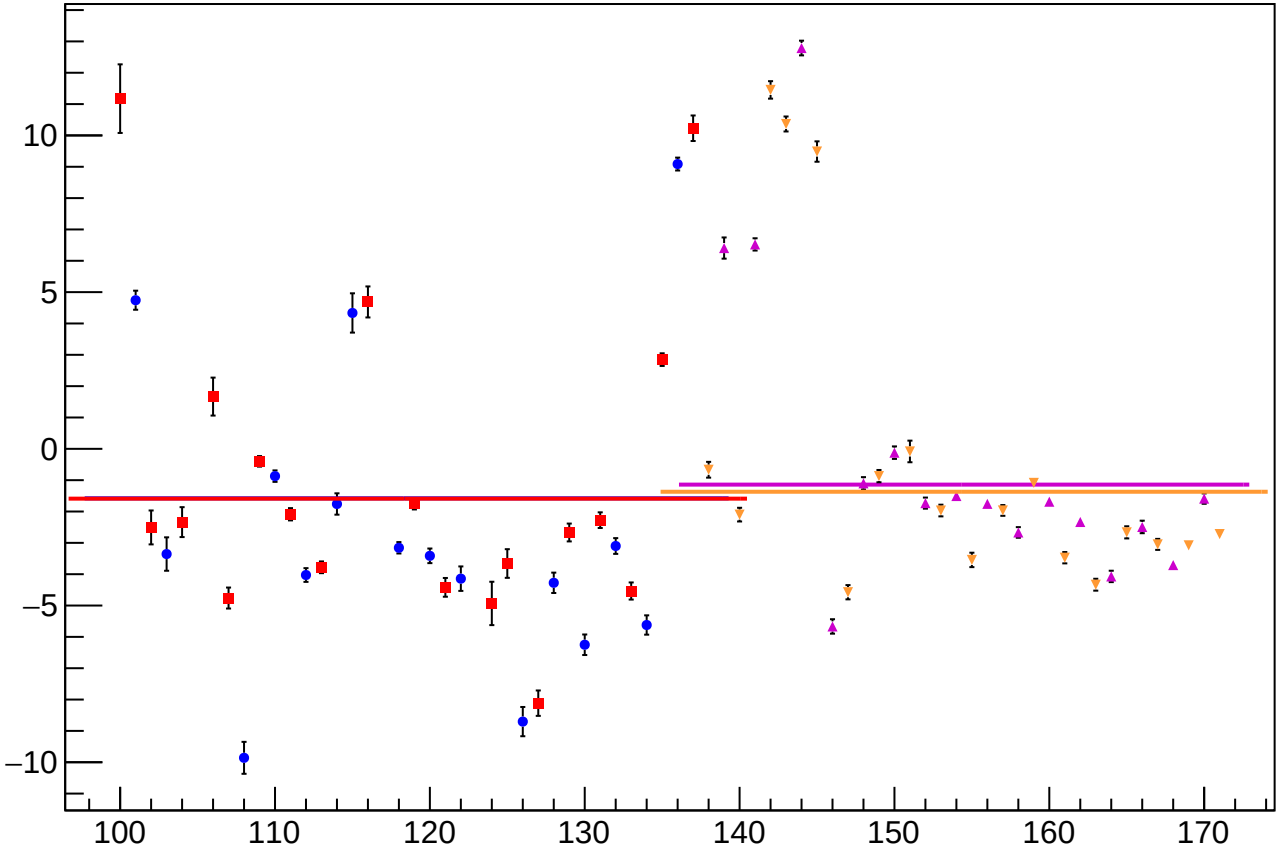
Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: -0.016+/-0.040 χ^2/NDF:205553.4/31

Out: -1.575+/-0.041 χ^2/NDF:248375.3/36

All: -0.779+/-0.028 χ^2/NDF: 454679.1/68

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



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: -1.142+/-0.042 χ^2/NDF:6745.3/15

Left: -1.244+/-0.032 χ^2/NDF: 13465.6/33

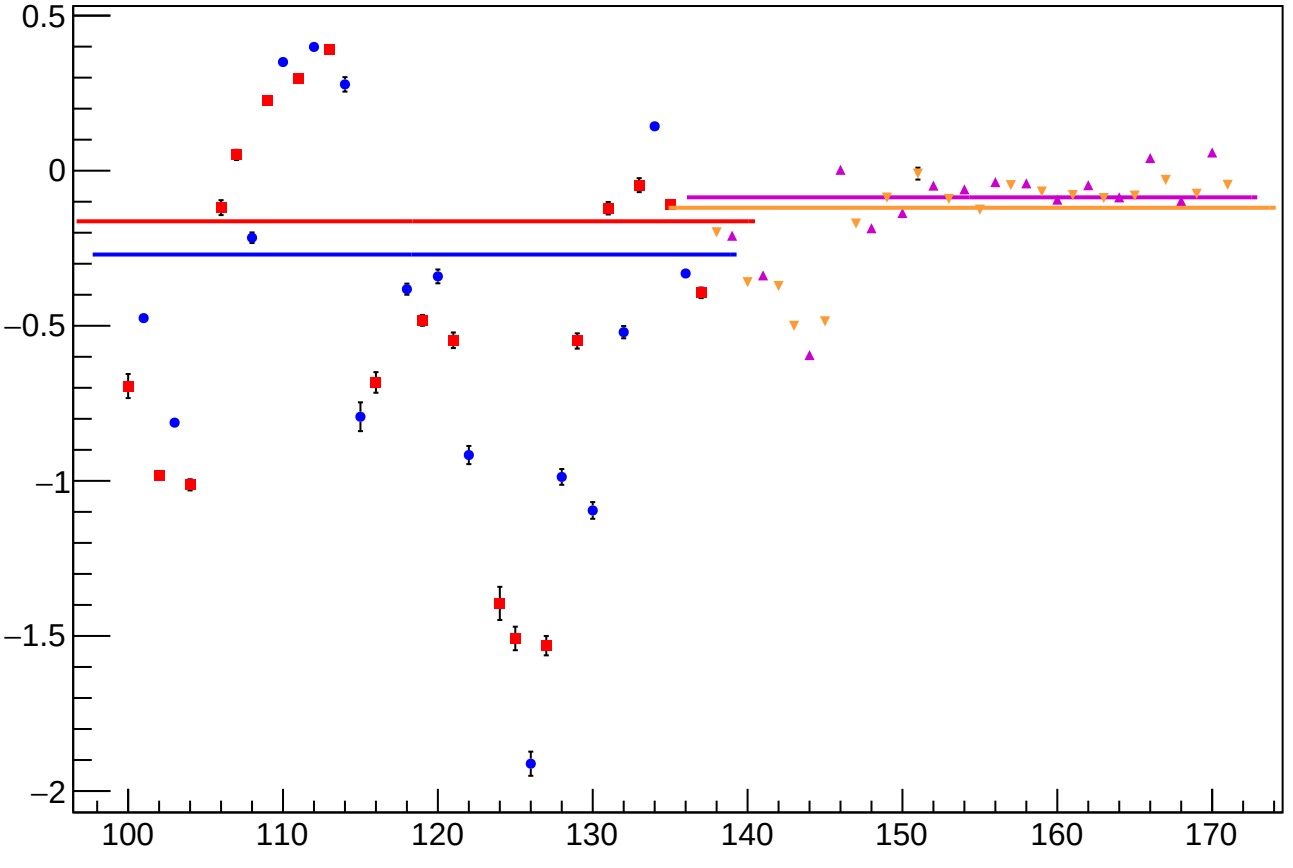
Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.261+/-0.036 χ^2/NDF:11298.6/31

Out: -1.446+/-0.038 χ^2/NDF:9187.2/36

All: -1.349+/-0.026 χ^2/NDF: 20498.3/68

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.120+/-0.002 χ^2/NDF:3350.9/17

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.086+/-0.002 χ^2/NDF:3638.3/15

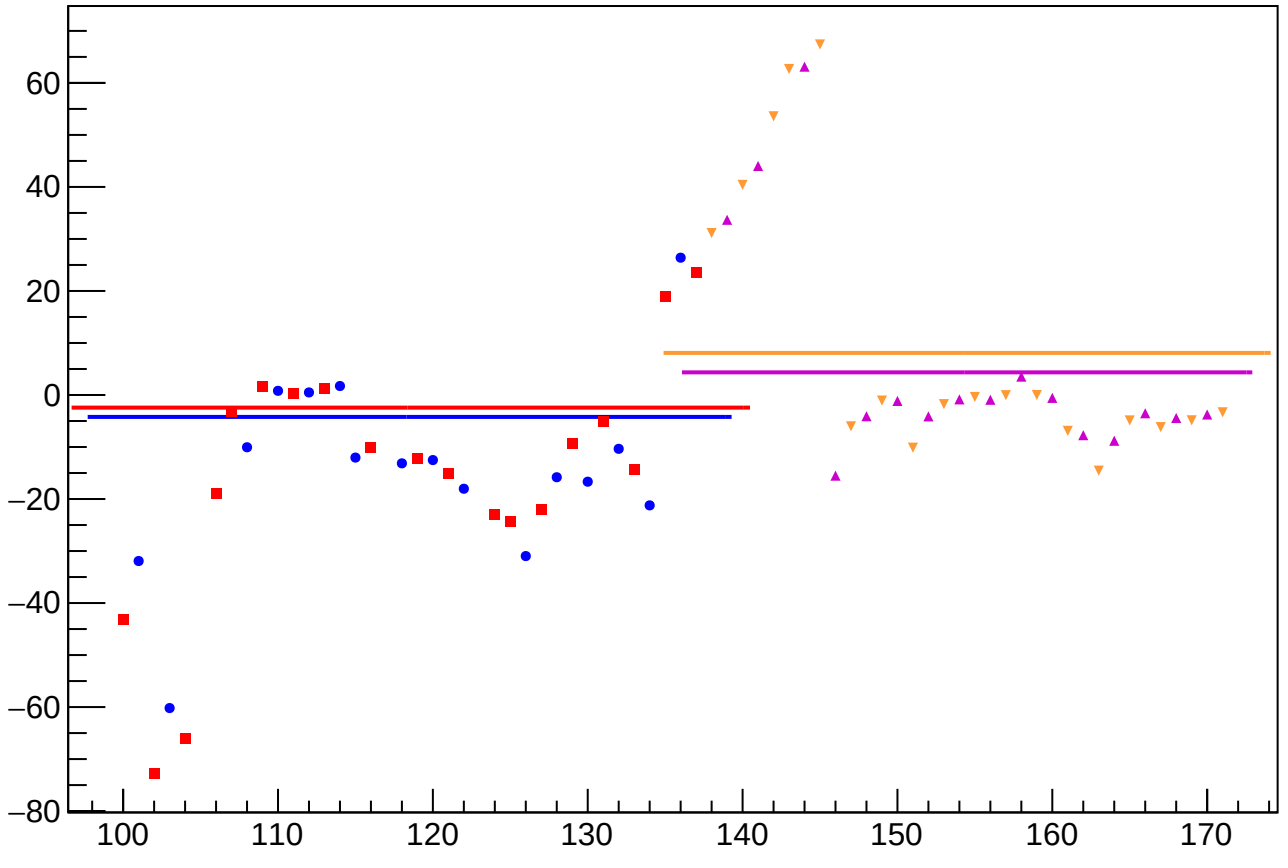
Left: -0.101+/-0.001 χ^2/NDF: 7140.4/33

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.115+/-0.002 χ^2/NDF:17345.2/31

Out: -0.129+/-0.002 χ^2/NDF:18963.7/36

All: -0.122+/-0.001 χ^2/NDF: 36341.6/68



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: 4.351+/-0.052 χ^2/NDF:121538.0/15

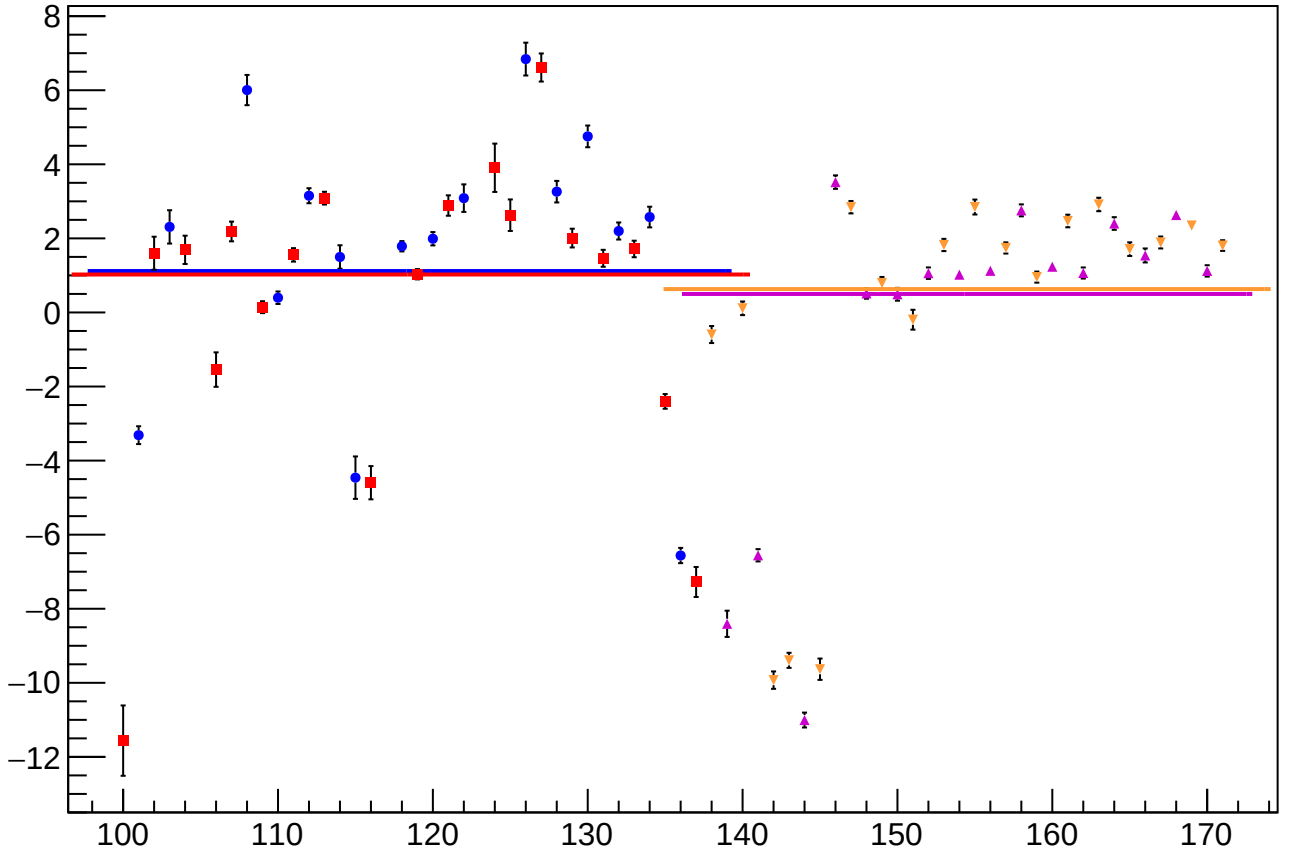
Left: 6.043+/-0.039 χ^2/NDF: 278768.9/33

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.250+/-0.038 χ^2/NDF:209528.0/31

Out: 1.679+/-0.036 χ^2/NDF:255911.3/36

All: 0.999+/-0.026 χ^2/NDF: 466187.1/68



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: 0.499+/-0.038 χ^2/NDF:6712.5/15

Left: 0.558+/-0.028 χ^2/NDF: 13480.0/33

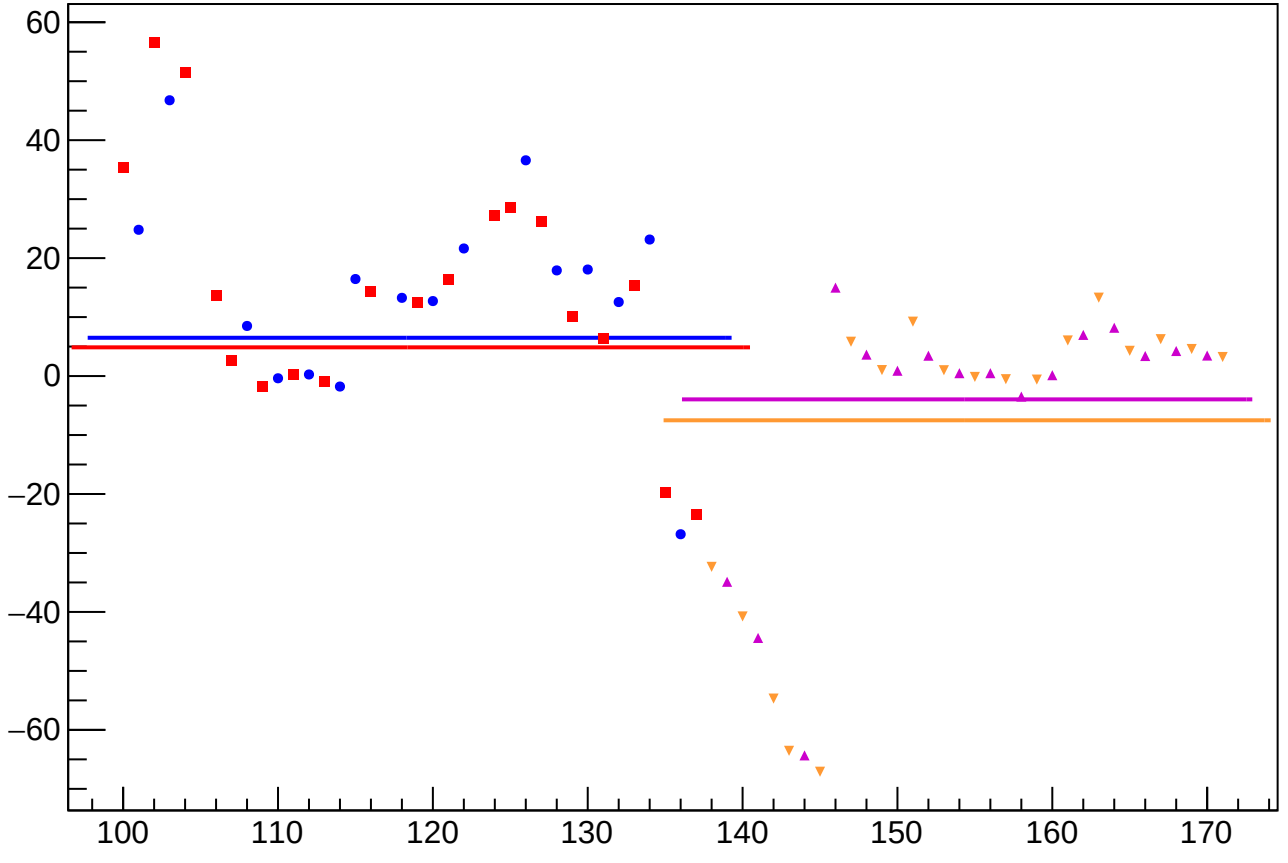
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.672+/-0.032 χ^2/NDF:9379.8/31

Out: 0.768+/-0.034 χ^2/NDF:8404.8/36

All: 0.718+/-0.023 χ^2/NDF: 17788.8/68

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -7.503+/-0.057 χ^2/NDF:150734.0/17

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -3.954+/-0.051 χ^2/NDF:119136.2/15

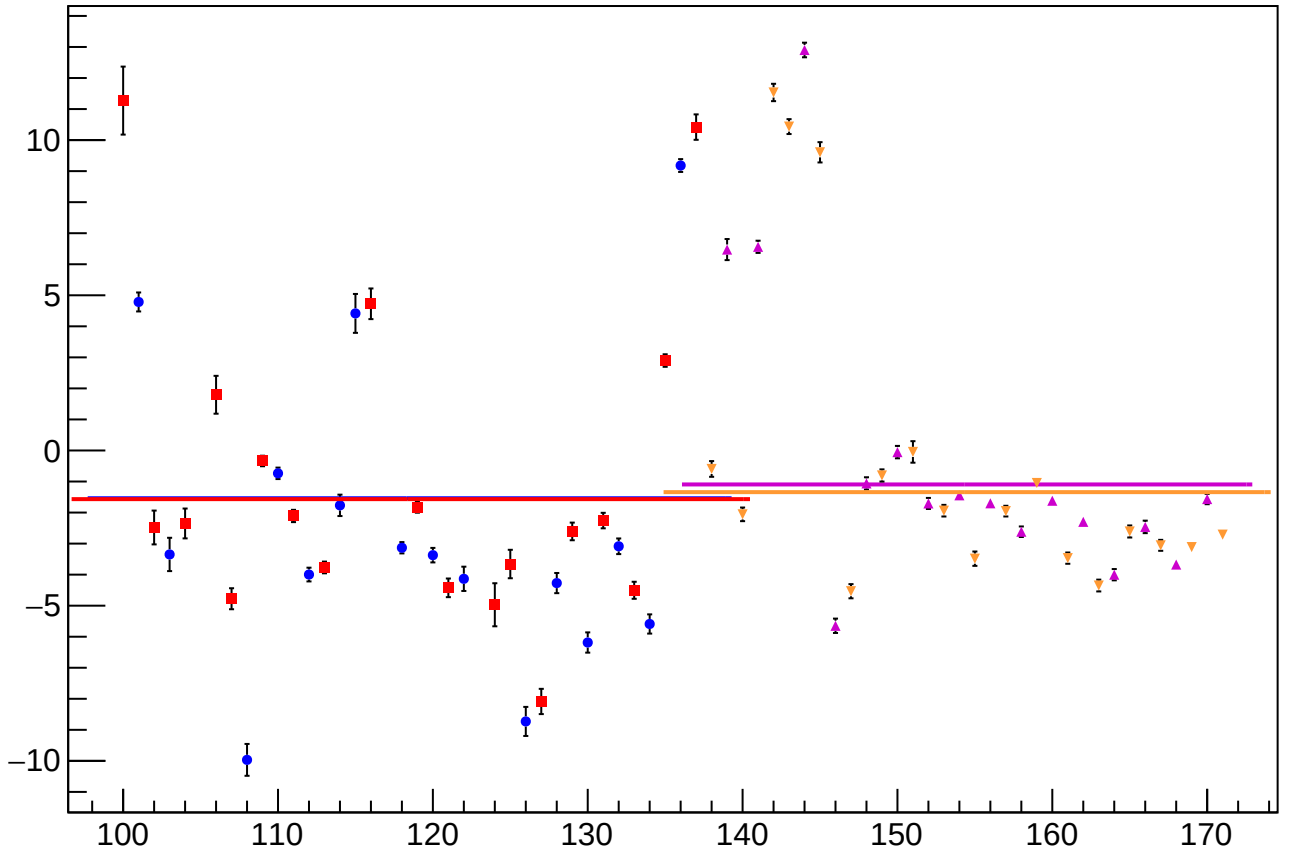
Left: -5.534+/-0.038 χ^2/NDF: 272056.8/33

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: -0.027+/-0.040 χ^2/NDF:205767.4/31

Out: -1.603+/-0.041 χ^2/NDF:248847.2/36

All: -0.797+/-0.029 χ^2/NDF: 455374.0/68



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: -1.094+/-0.043 χ^2/NDF:6728.6/15

Left: -1.206+/-0.032 χ^2/NDF: 13476.3/33

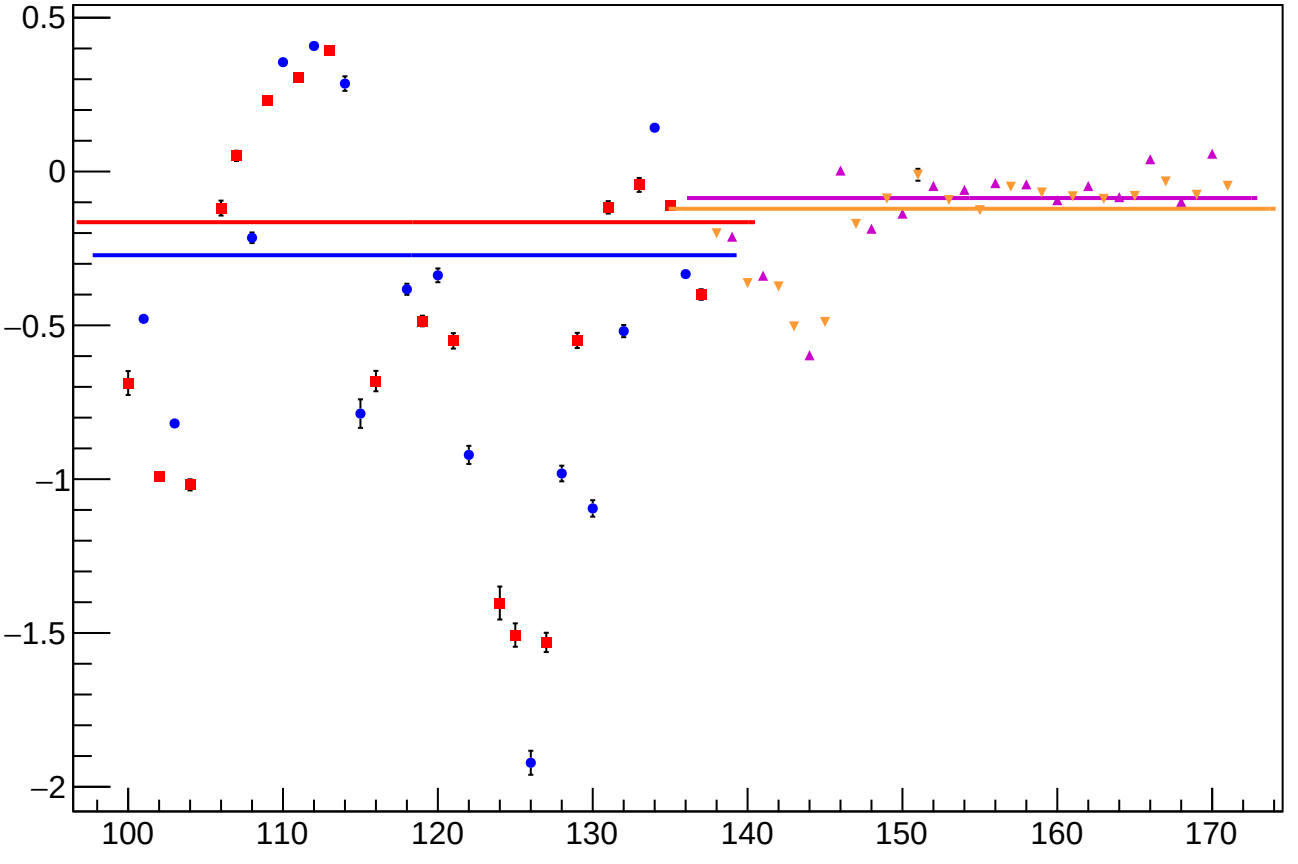
Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.216+/-0.036 χ^2/NDF:11294.4/31

Out: -1.420+/-0.038 χ^2/NDF:9237.4/36

All: -1.313+/-0.026 χ^2/NDF: 20546.8/68

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.121+/-0.002 χ^2/NDF:3349.8/17

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.086+/-0.002 χ^2/NDF:3635.0/15

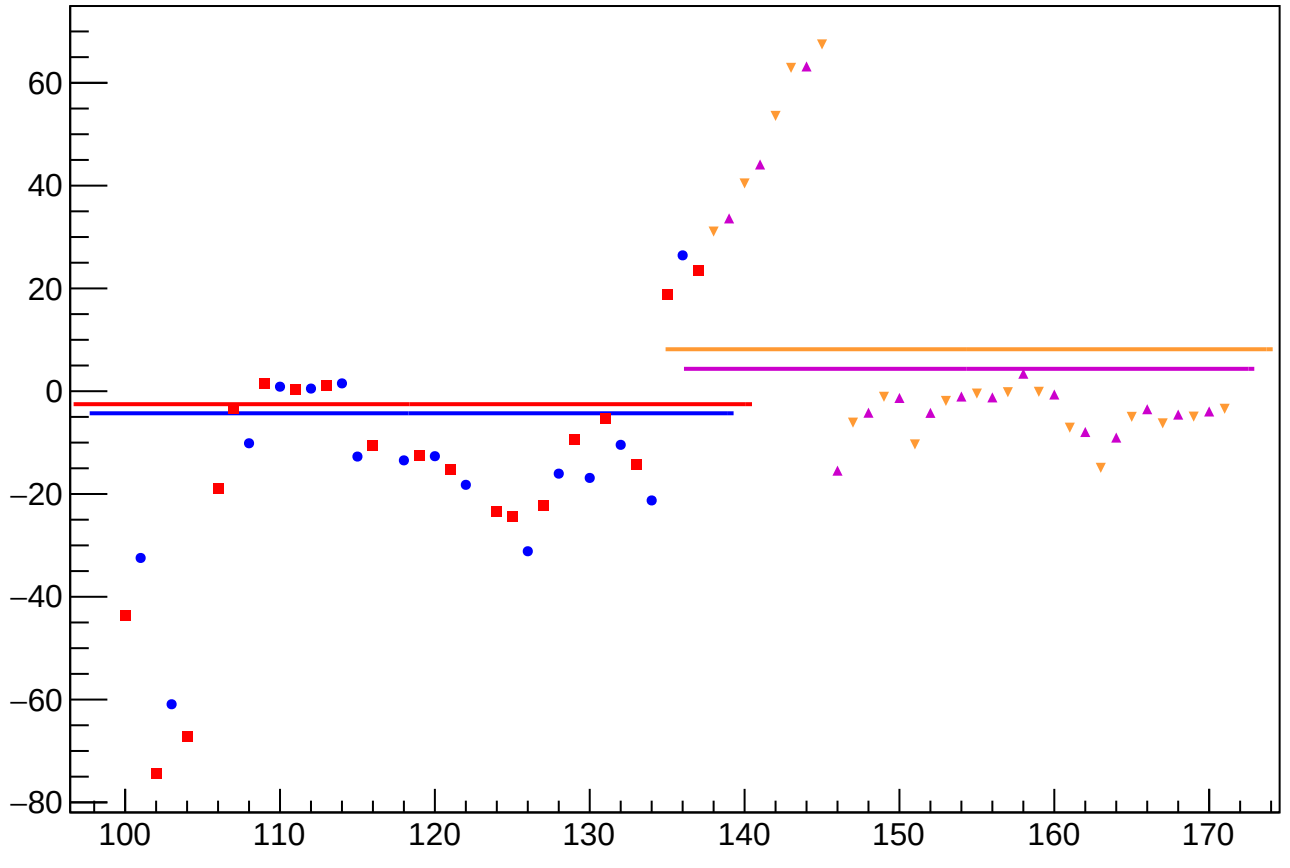
Left: -0.101+/-0.001 χ^2/NDF: 7145.9/33

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.116+/-0.002 χ^2/NDF:17378.2/31

Out: -0.131+/-0.002 χ^2/NDF:18942.2/36

All: -0.123+/-0.001 χ^2/NDF: 36358.1/68



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: 4.355+/-0.054 χ^2/NDF:119634.4/15

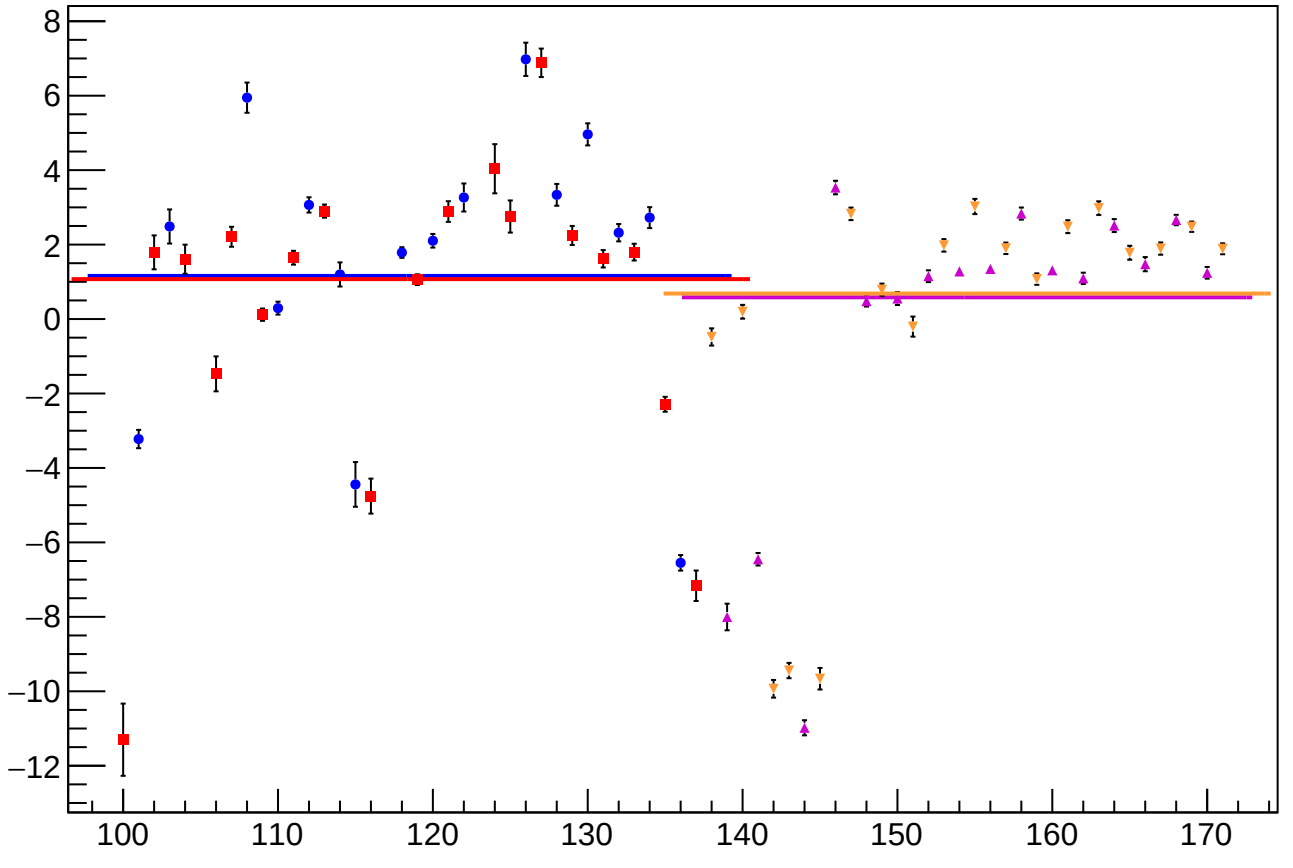
Left: 6.085+/-0.040 χ^2/NDF: 274606.9/33

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.206+/-0.039 χ^2/NDF:206388.6/31

Out: 1.682+/-0.037 χ^2/NDF:252707.7/36

All: 0.979+/-0.027 χ^2/NDF: 459862.6/68



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: 0.584+/-0.038 χ^2/NDF:6554.1/15

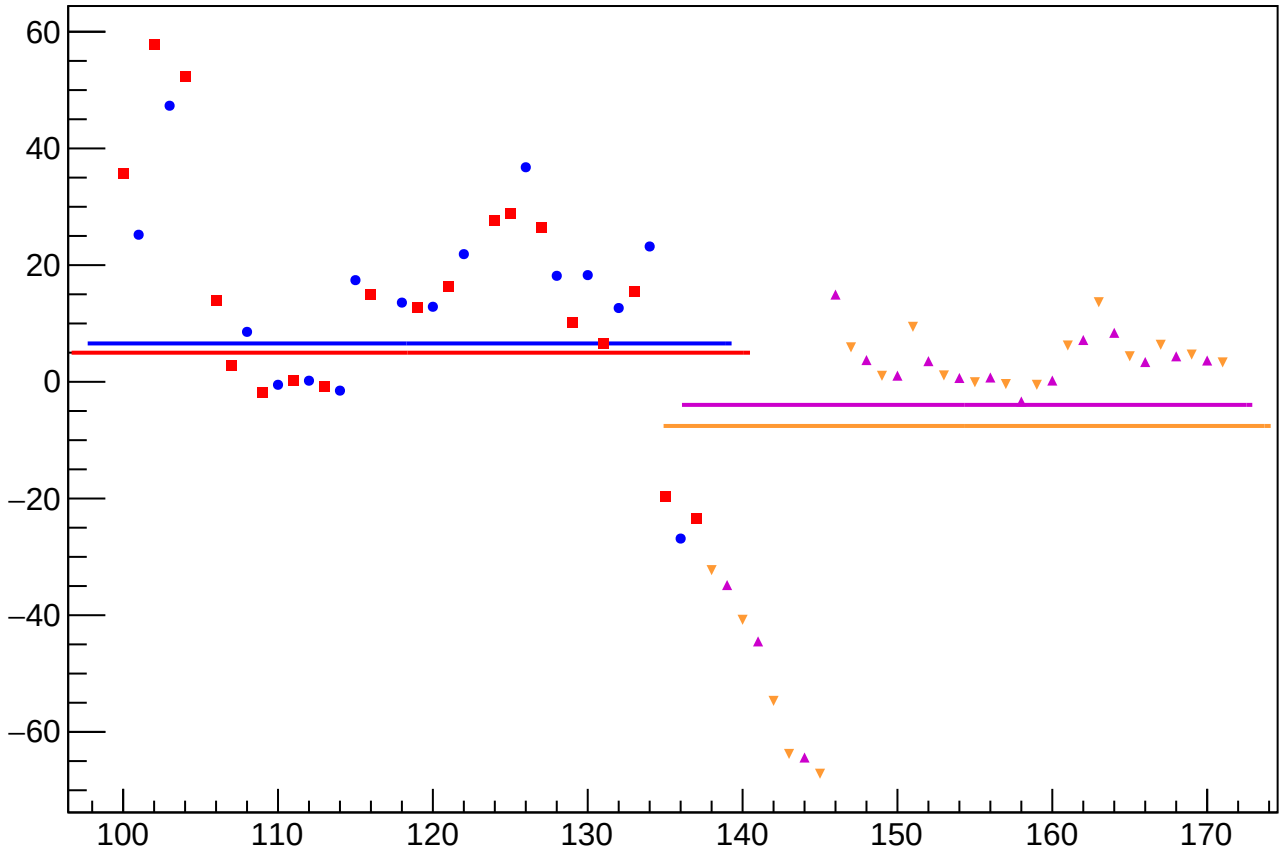
Left: 0.630+/-0.028 χ^2/NDF: 13300.9/33

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.745+/-0.033 χ^2/NDF:9166.6/31

Out: 0.819+/-0.034 χ^2/NDF:8323.8/36

All: 0.780+/-0.024 χ^2/NDF: 17492.9/68



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: -3.952+/-0.052 χ^2/NDF:117253.5/15

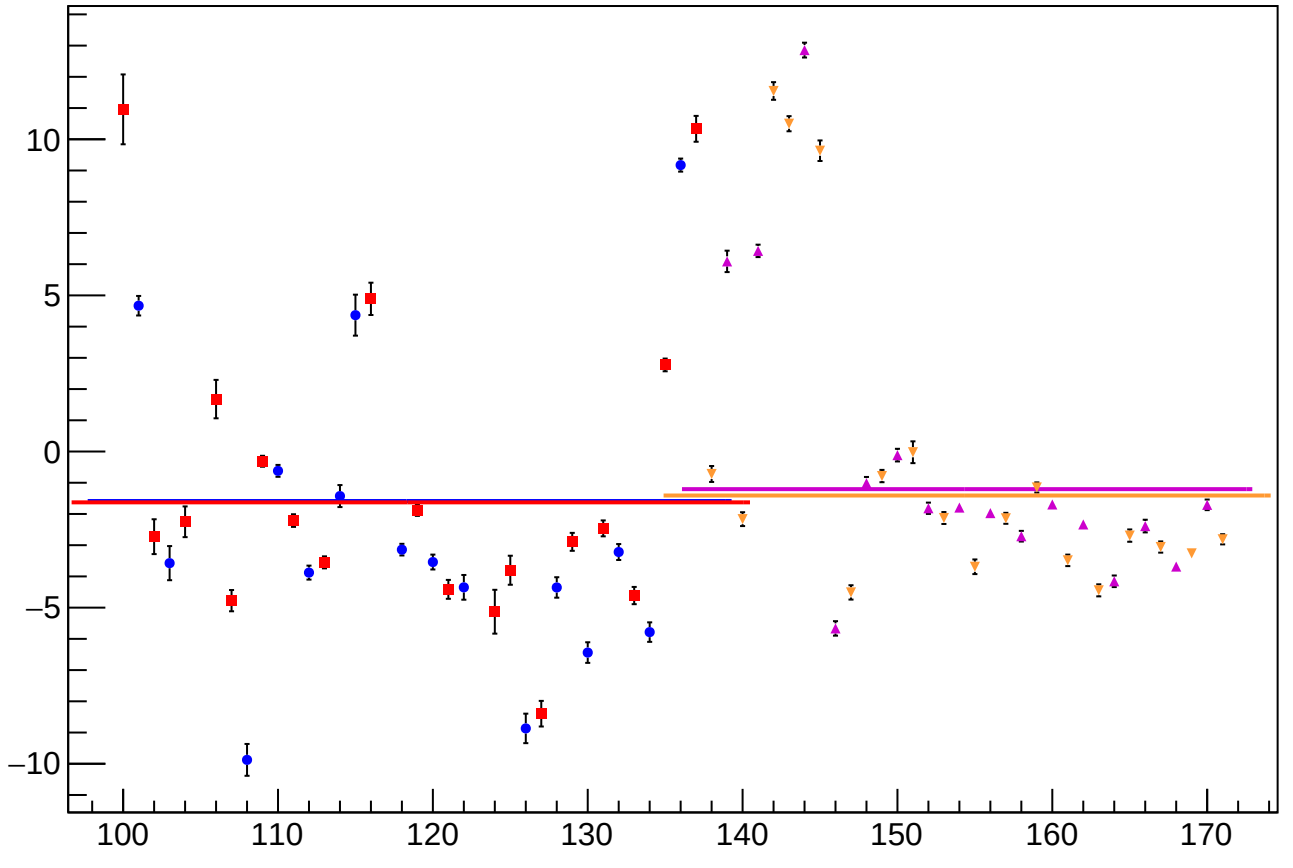
Left: -5.568+/-0.038 χ^2/NDF: 267981.3/33

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.021+/-0.041 χ^2/NDF:202647.0/31

Out: -1.604+/-0.042 χ^2/NDF:245690.6/36

All: -0.775+/-0.029 χ^2/NDF: 449115.4/68



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: -1.205+/-0.044 χ^2/NDF:6559.6/15

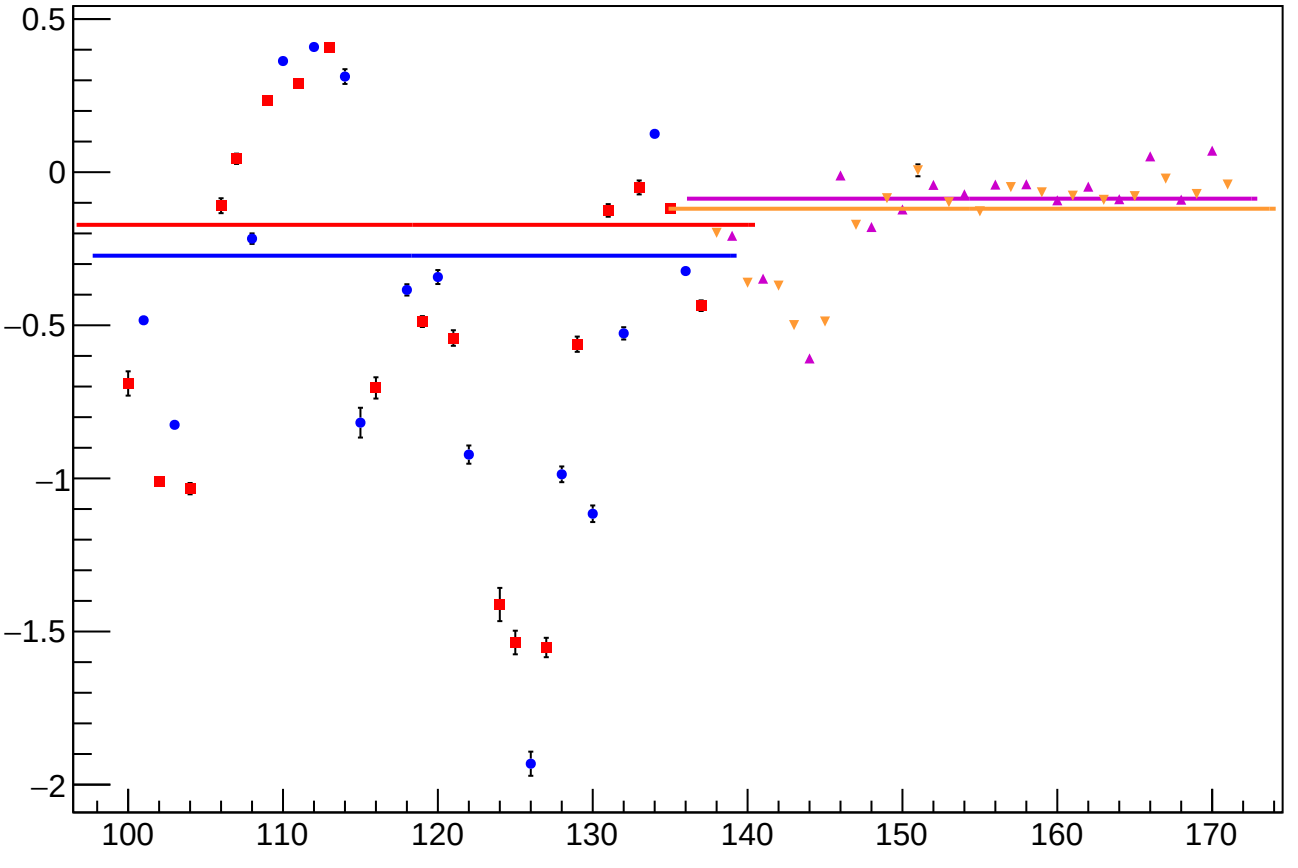
Left: -1.297+/-0.032 χ^2/NDF: 13280.1/33

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.309+/-0.037 χ^2/NDF:11053.2/31

Out: -1.485+/-0.039 χ^2/NDF:9140.1/36

All: -1.393+/-0.027 χ^2/NDF: 20204.1/68



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: -0.086+/-0.002 χ^2/NDF:3695.6/15

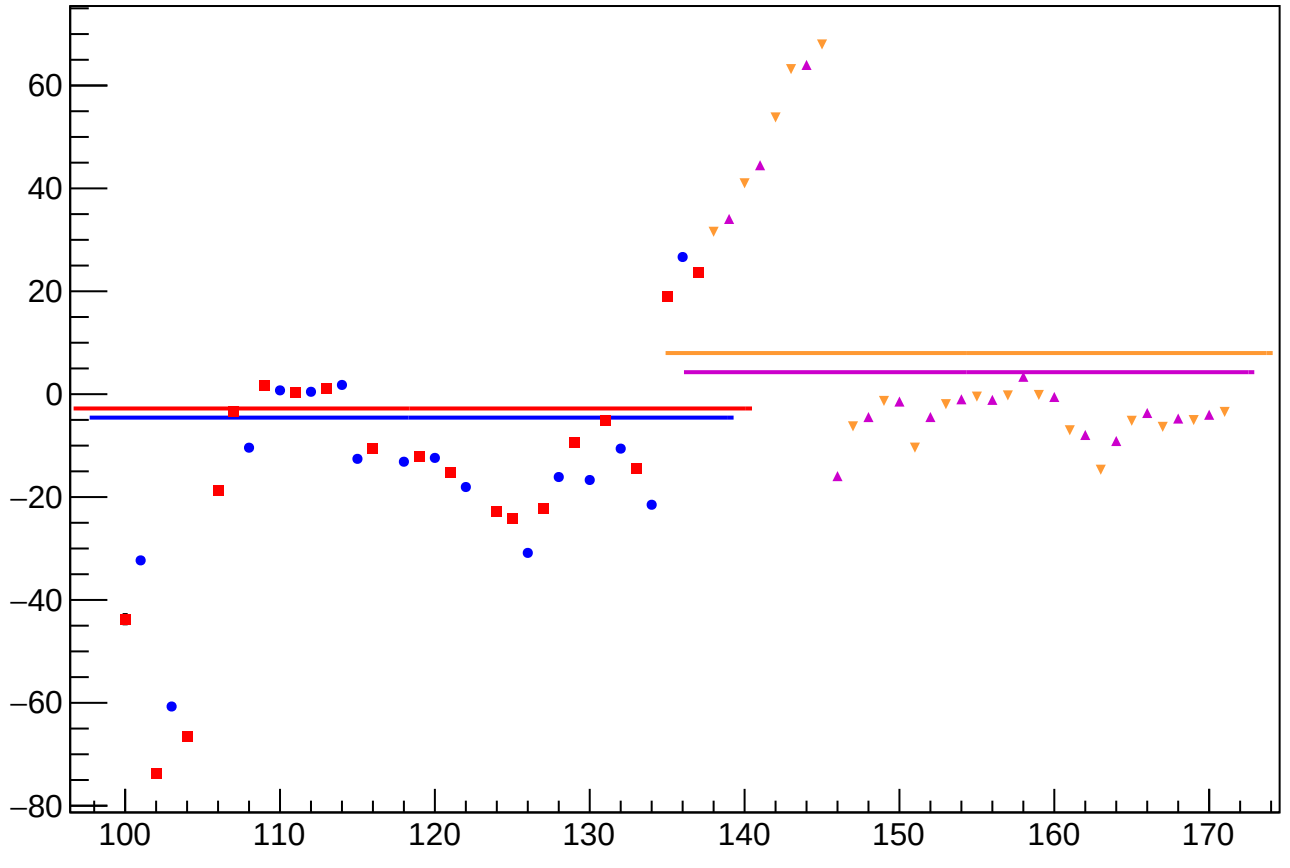
Left: -0.101+/-0.001 χ^2/NDF: 7146.4/33

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.117+/-0.002 χ^2/NDF:17182.7/31

Out: -0.131+/-0.002 χ^2/NDF:18778.4/36

All: -0.123+/-0.001 χ^2/NDF: 35995.7/68



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: 4.275+/-0.054 χ^2/NDF:118384.3/15

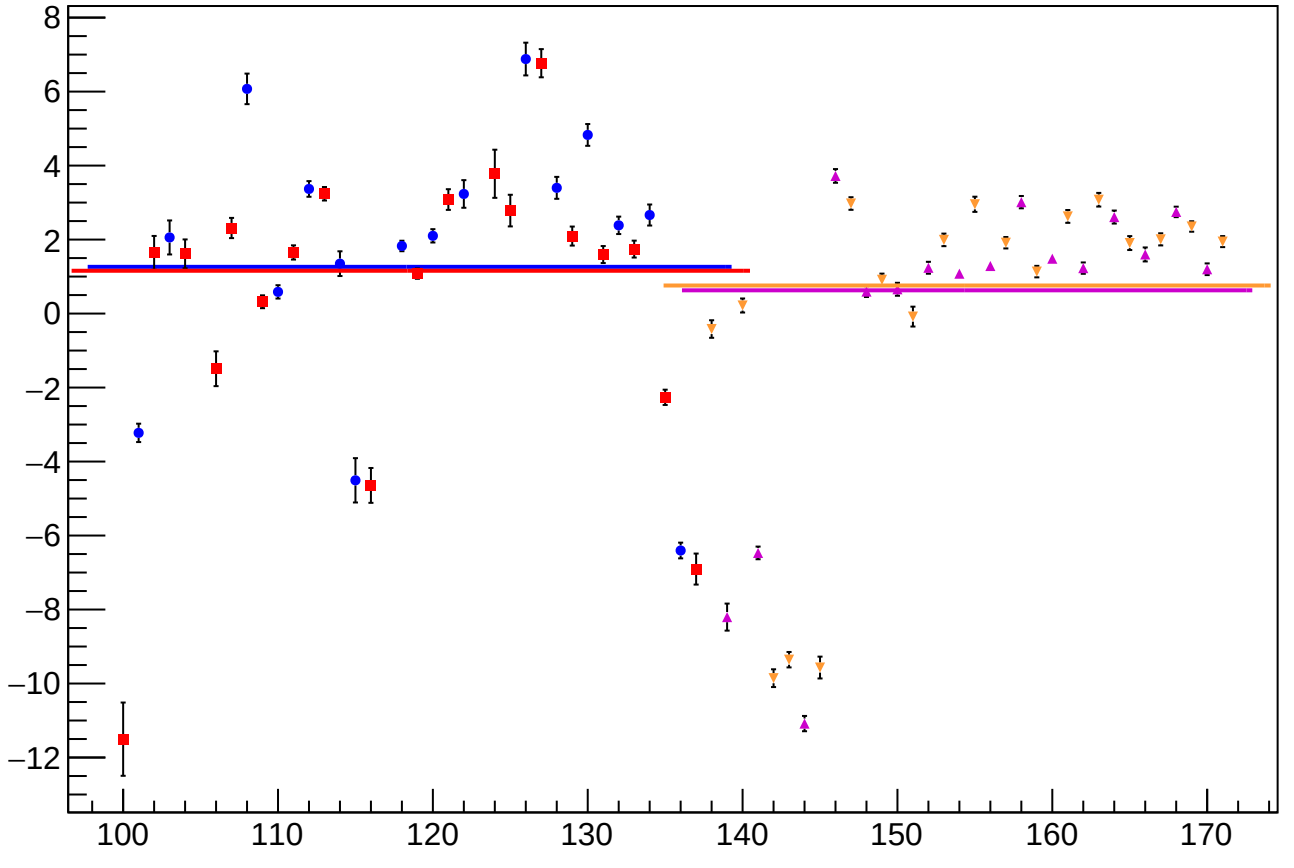
Left: 5.971+/-0.040 χ^2/NDF: 271354.3/33

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: 0.064+/-0.039 χ^2/NDF:203668.3/31

Out: 1.546+/-0.038 χ^2/NDF:248538.0/36

All: 0.838+/-0.027 χ^2/NDF: 452952.4/68



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: 0.628+/-0.039 χ^2/NDF:6510.7/15

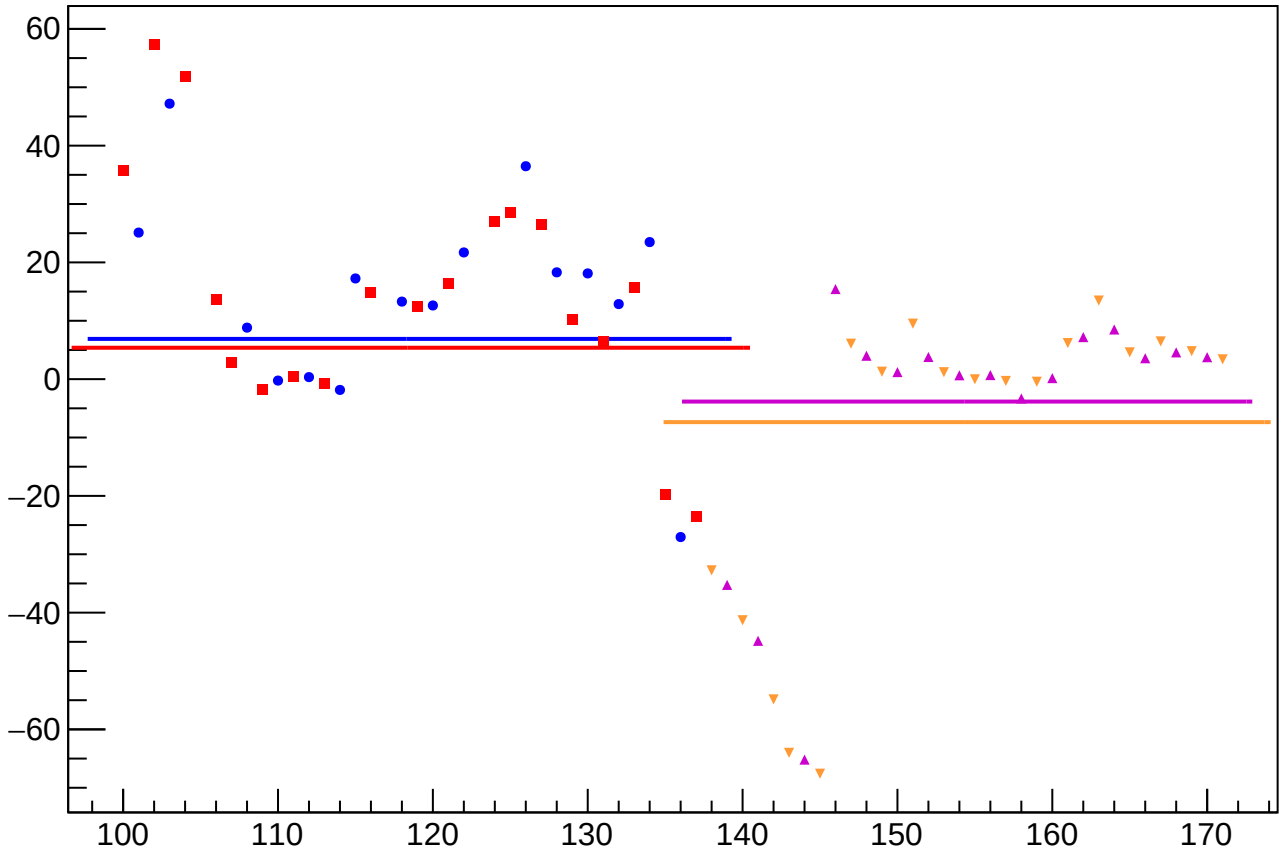
Left: 0.687+/-0.029 χ^2/NDF: 13046.0/33

Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.808+/-0.033 χ^2/NDF:9029.6/31

Out: 0.896+/-0.035 χ^2/NDF:8050.6/36

All: 0.850+/-0.024 χ^2/NDF: 17083.5/68



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: -3.842+/-0.052 χ^2/NDF:115976.3/15

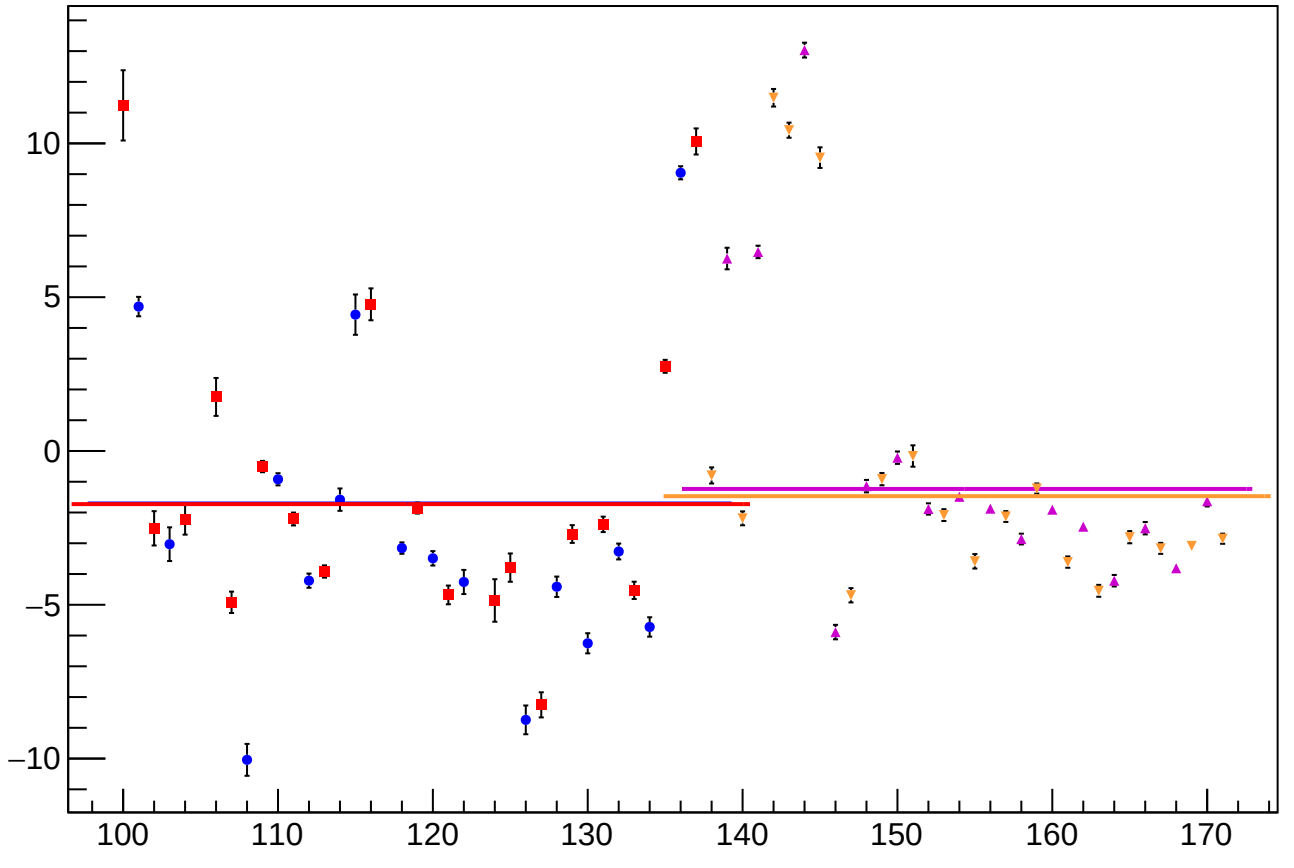
Left: -5.425+/-0.039 χ^2/NDF: 264614.0/33

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.204+/-0.041 χ^2/NDF:199854.6/31

Out: -1.385+/-0.042 χ^2/NDF:241497.3/36

All: -0.573+/-0.030 χ^2/NDF: 442074.1/68



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: -1.234+/-0.044 χ^2/NDF:6546.1/15

Left: -1.341+/-0.033 χ^2/NDF: 13068.7/33

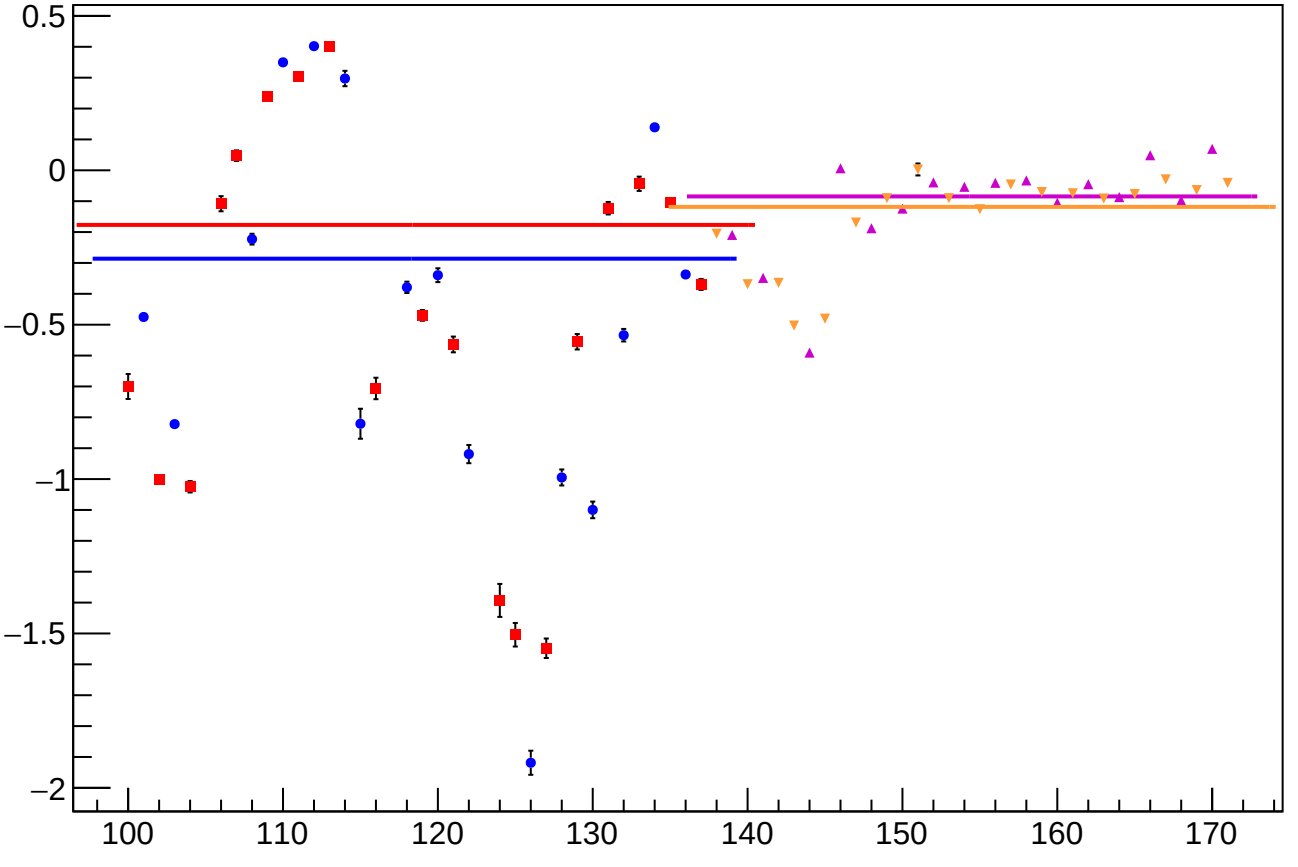
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.364+/-0.038 χ^2/NDF:10867.7/31

Out: -1.558+/-0.039 χ^2/NDF:8828.9/36

All: -1.457+/-0.027 χ^2/NDF: 19709.4/68

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: -0.085+/-0.002 χ^2/NDF:3565.2/15

Left: -0.100+/-0.001 χ^2/NDF: 6953.6/33

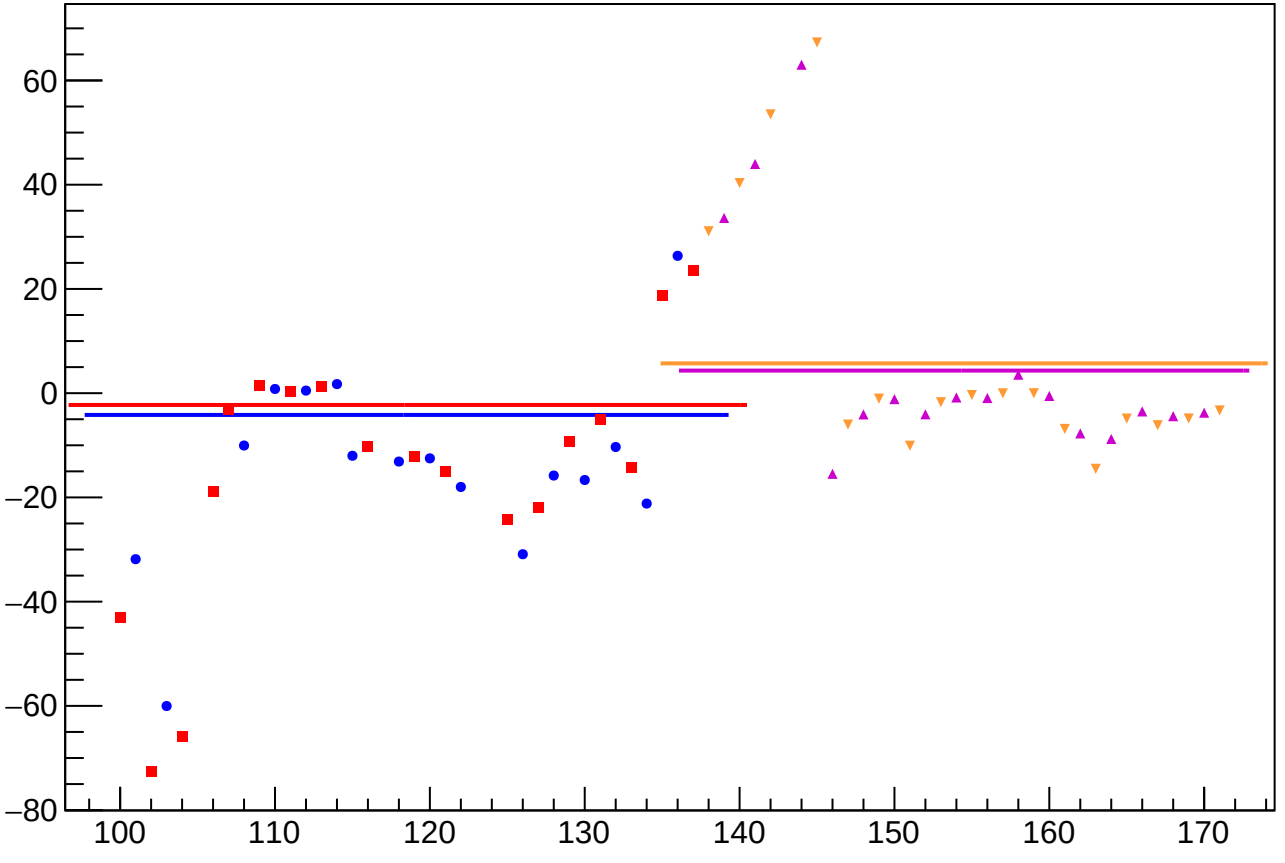
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.117+/-0.002 χ^2/NDF:16786.1/31

Out: -0.132+/-0.002 χ^2/NDF:18182.6/36

All: -0.124+/-0.001 χ^2/NDF: 35000.6/68

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: 4.334+/-0.052 χ^2/NDF:121785.8/15

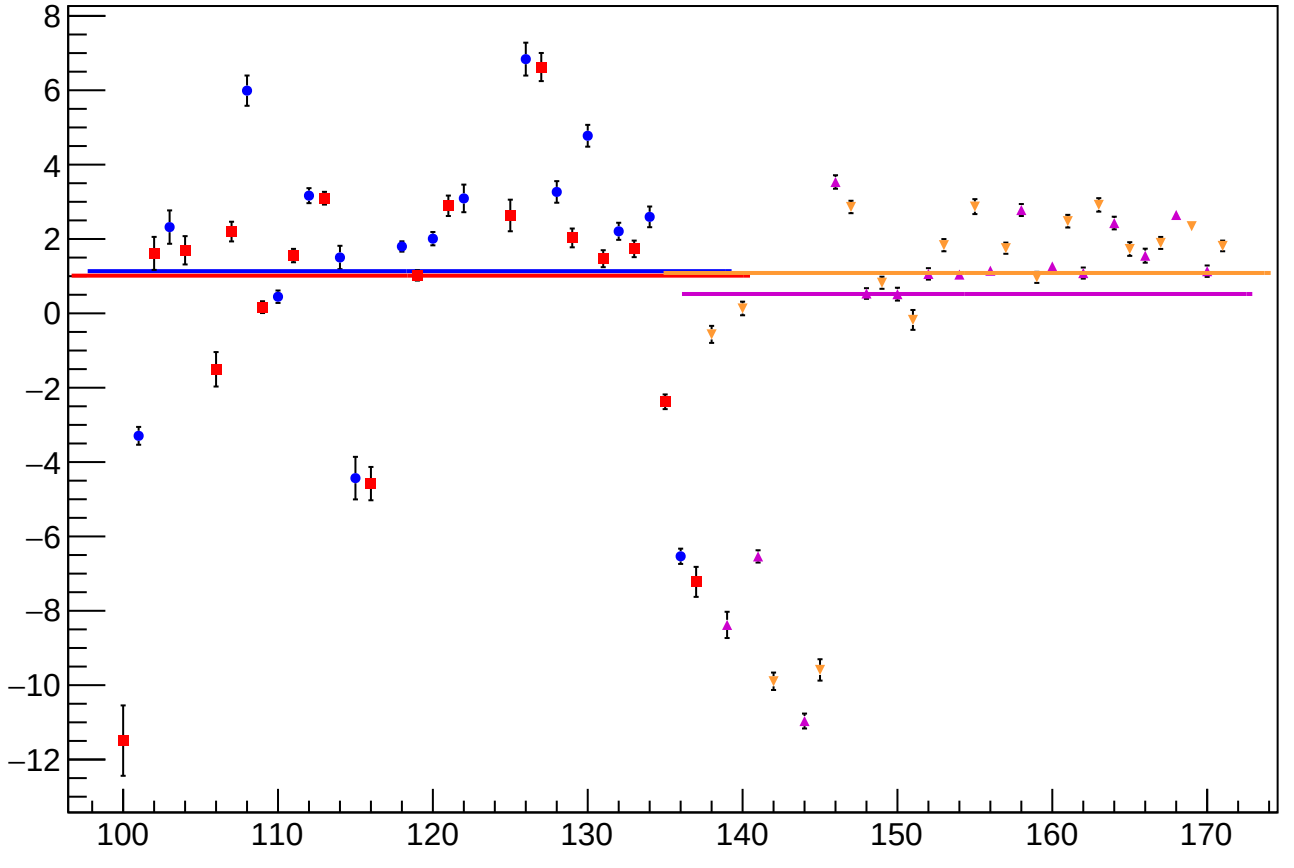
Left: 4.946+/-0.039 χ^2/NDF: 238490.1/32

Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.257+/-0.038 χ^2/NDF:209892.1/31

Out: 0.776+/-0.036 χ^2/NDF:207453.0/34

All: 0.527+/-0.026 χ^2/NDF: 417443.3/66



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: 0.521+/-0.038 χ^2/NDF:6734.2/15

Left: 0.768+/-0.028 χ^2/NDF: 11065.1/32

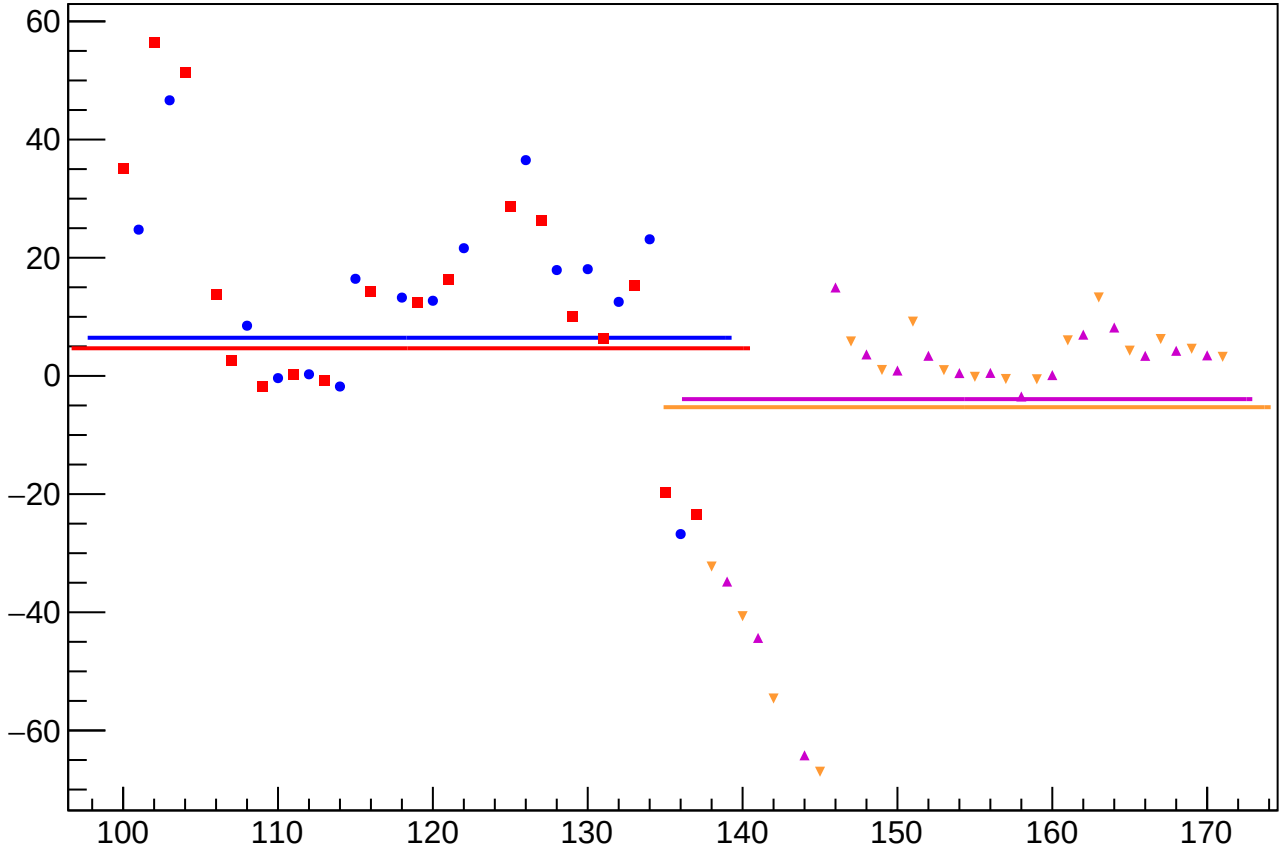
Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.693+/-0.032 χ^2/NDF:9405.0/31

Out: 1.061+/-0.034 χ^2/NDF:5825.4/34

All: 0.864+/-0.023 χ^2/NDF: 15292.5/66

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -5.292+/-0.057 χ^2/NDF:112474.5/16

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.927+/-0.050 χ^2/NDF:119370.7/15

Left: -4.521+/-0.038 χ^2/NDF: 232164.2/32

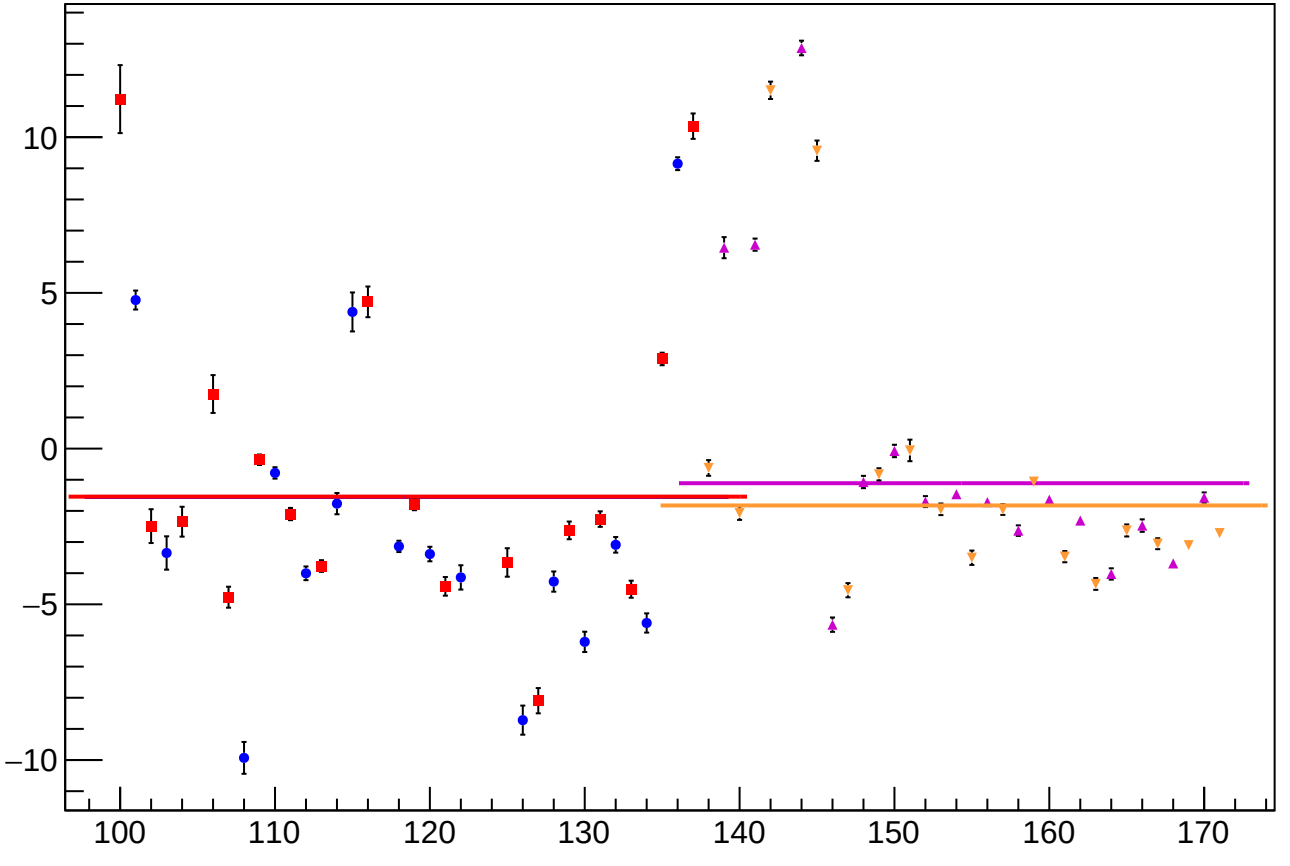
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: -0.023+/-0.040 χ^2/NDF:206111.5/31

Out: -0.450+/-0.041 χ^2/NDF:201527.6/34

All: -0.229+/-0.029 χ^2/NDF: 407694.8/66

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: -1.112+/-0.042 χ^2/NDF:6748.5/15

Left: -1.425+/-0.032 χ^2/NDF: 11096.3/32

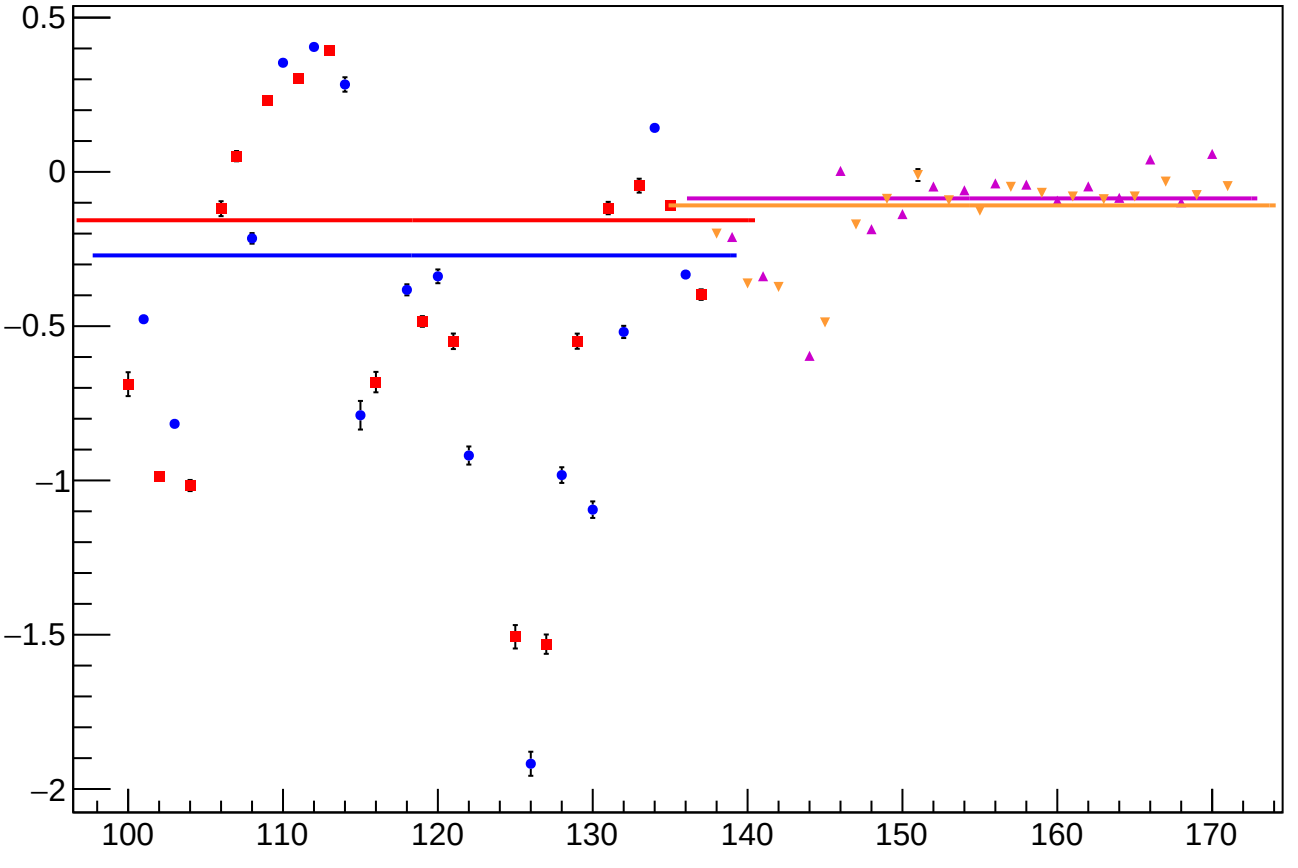
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.232+/-0.036 χ^2/NDF:11321.4/31

Out: -1.725+/-0.039 χ^2/NDF:6709.1/34

All: -1.463+/-0.026 χ^2/NDF: 18117.6/66

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: -0.086+/-0.002 χ^2/NDF:3644.6/15

Left: -0.096+/-0.001 χ^2/NDF: 5996.9/32

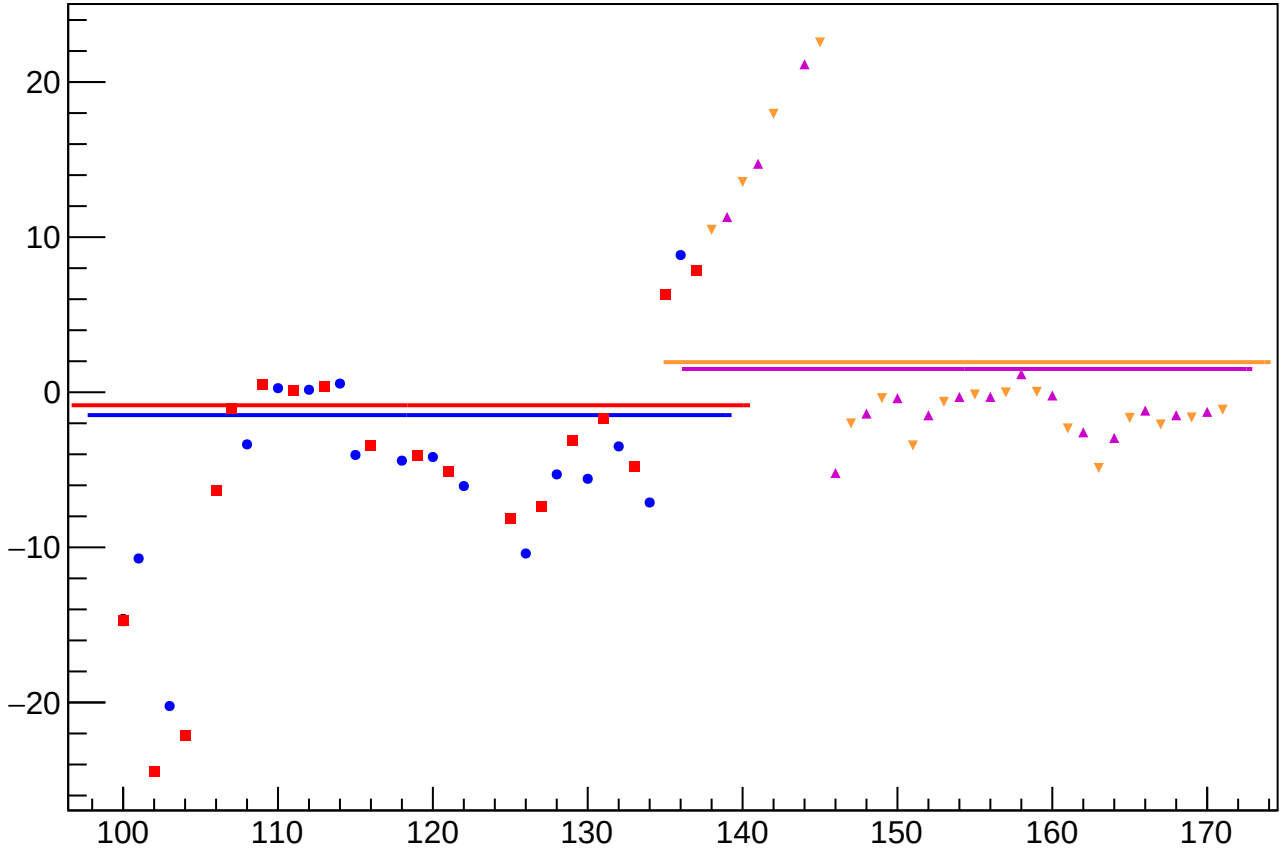
Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.115+/-0.002 χ^2/NDF:17413.3/31

Out: -0.120+/-0.002 χ^2/NDF:17427.9/34

All: -0.117+/-0.001 χ^2/NDF: 34844.3/66

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: 1.500+/-0.018 χ^2/NDF:119170.0/15

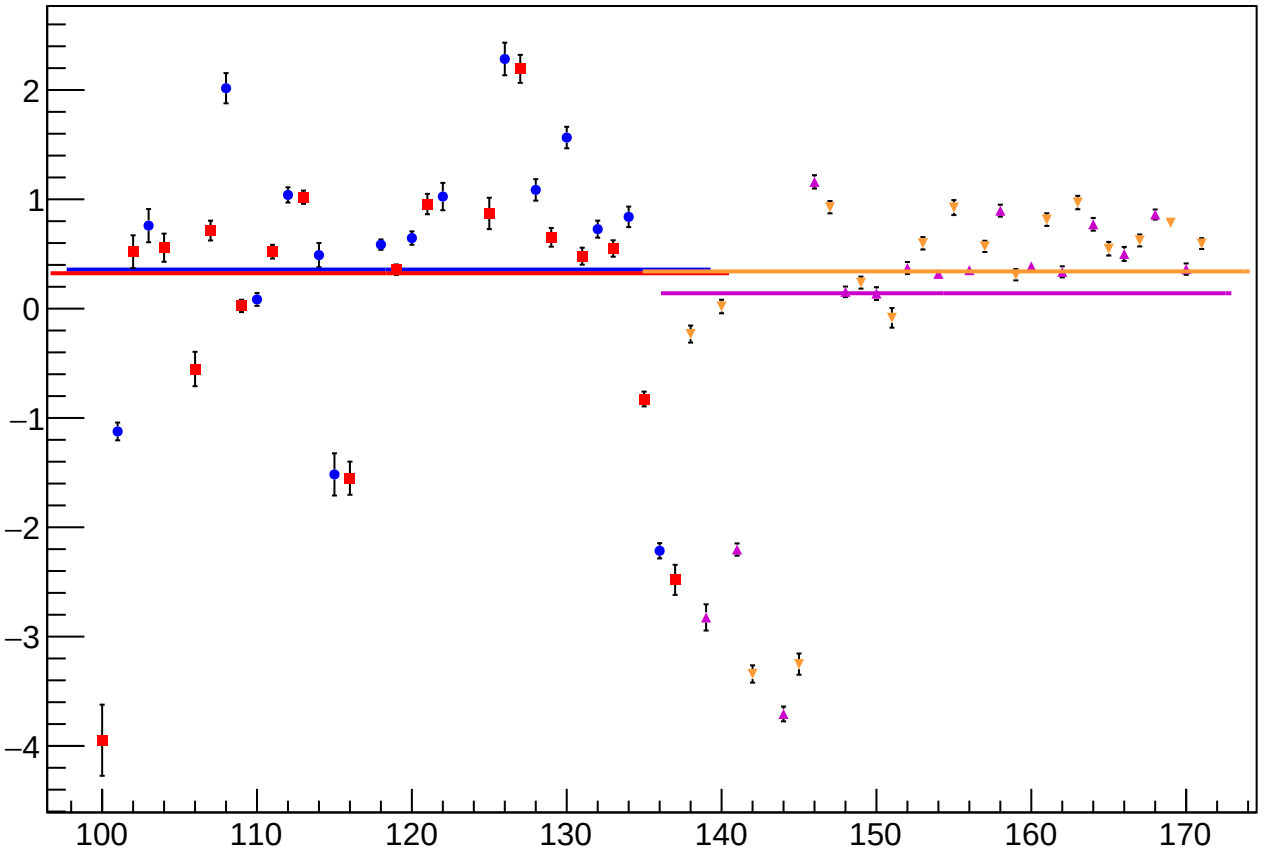
Left: 1.696+/-0.013 χ^2/NDF: 233812.3/32

Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.077+/-0.013 χ^2/NDF:206028.5/31

Out: 0.246+/-0.013 χ^2/NDF:204120.8/34

All: 0.165+/-0.009 χ^2/NDF: 410237.4/66



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: 0.141+/-0.013 χ^2/NDF:6565.8/15

Left: 0.229+/-0.010 χ^2/NDF: 10861.9/32

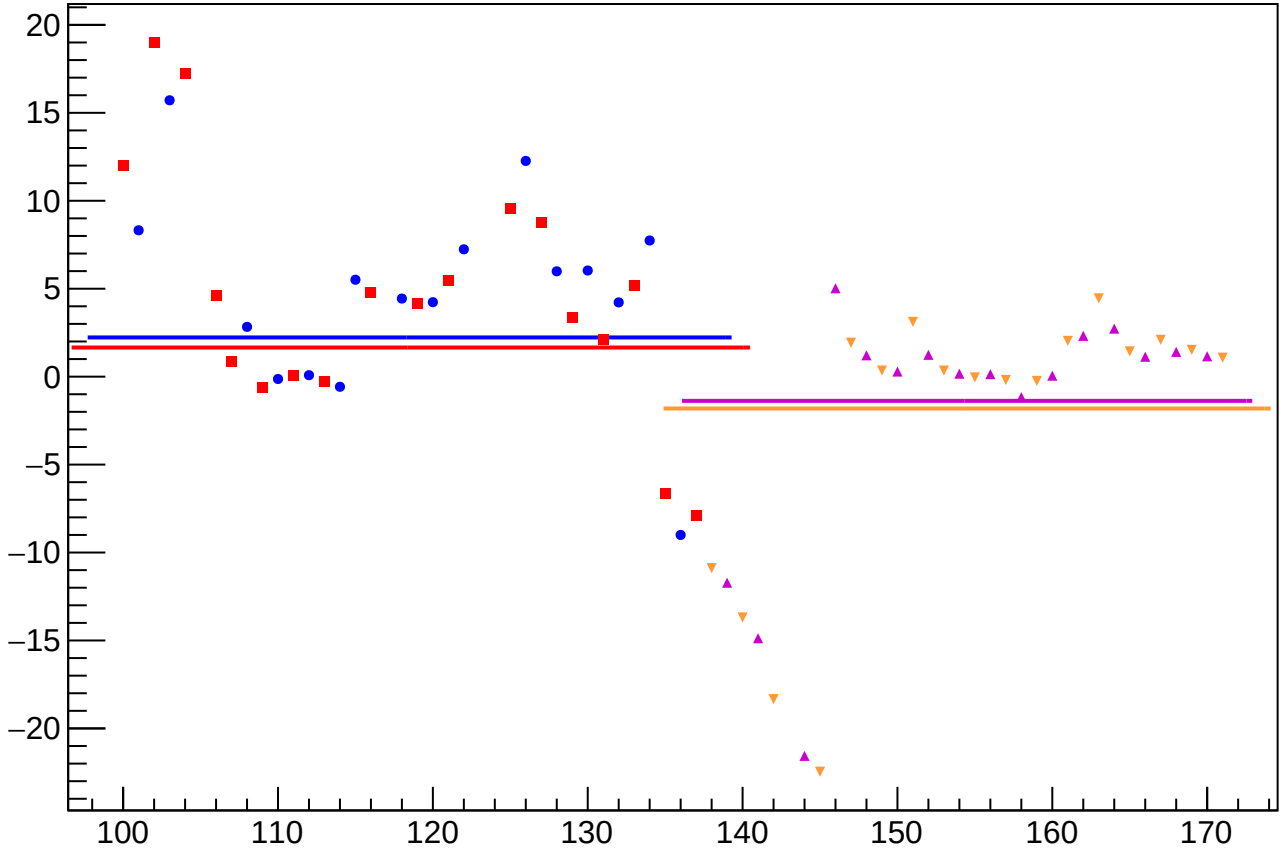
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.202+/-0.011 χ^2/NDF:9188.1/31

Out: 0.335+/-0.012 χ^2/NDF:5749.6/34

All: 0.264+/-0.008 χ^2/NDF: 15006.6/66

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: -1.375+/-0.017 χ^2/NDF:116868.2/15

Left: -1.566+/-0.013 χ^2/NDF: 227683.8/32

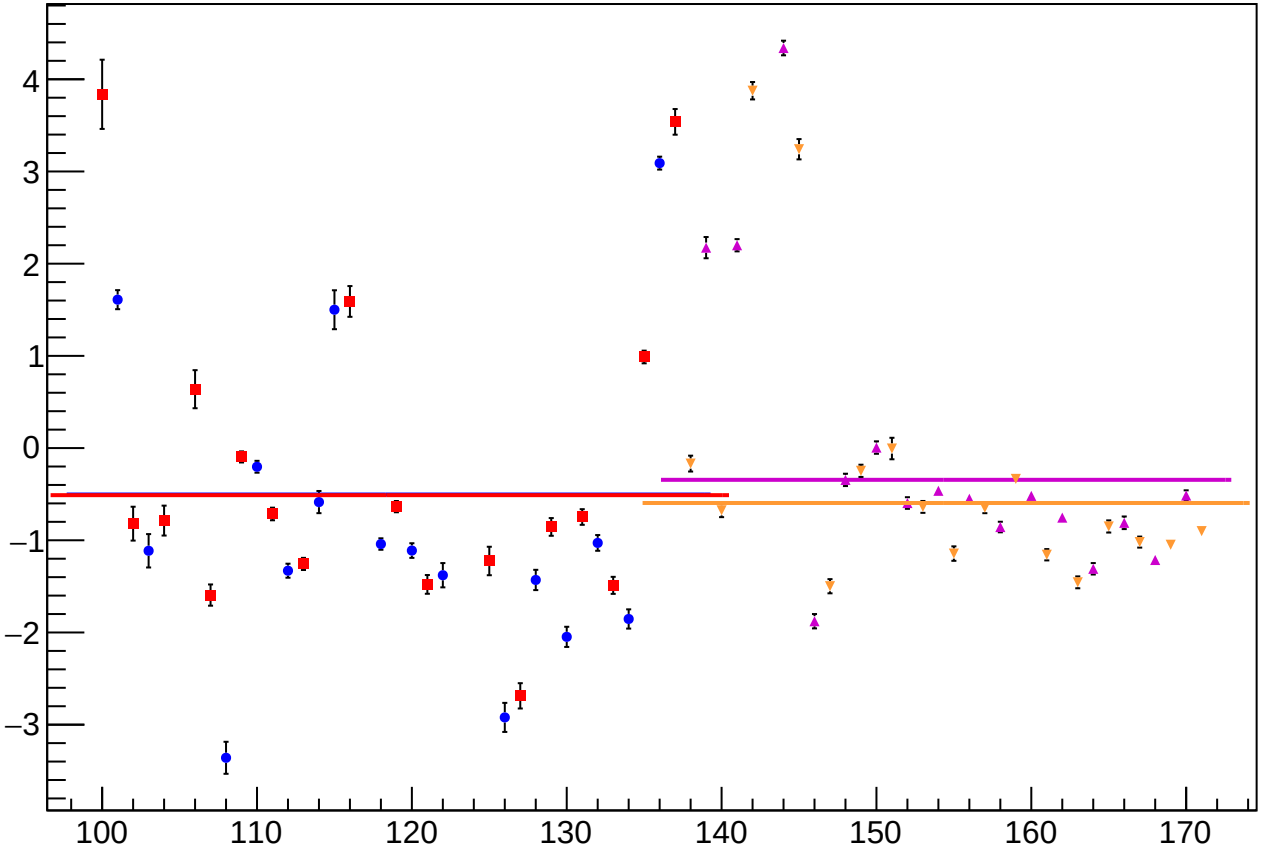
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: -0.014+/-0.014 χ^2/NDF:202371.9/31

Out: -0.151+/-0.014 χ^2/NDF:198326.2/34

All: -0.080+/-0.010 χ^2/NDF: 400746.8/66

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: -0.344+/-0.015 χ^2/NDF:6588.6/15

Left: -0.456+/-0.011 χ^2/NDF: 10904.8/32

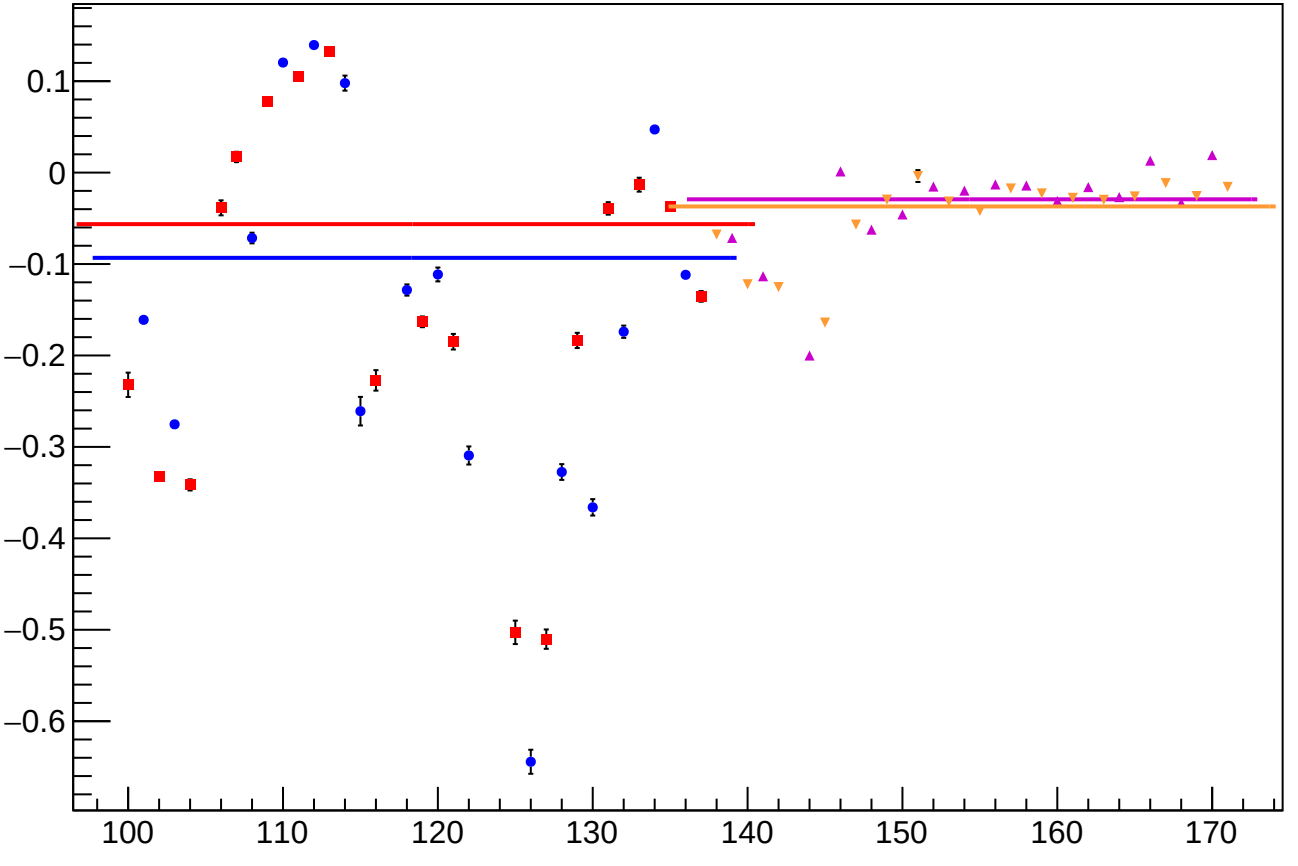
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.388+/-0.012 χ^2/NDF:11068.6/31

Out: -0.566+/-0.013 χ^2/NDF:6618.5/34

All: -0.472+/-0.009 χ^2/NDF: 17783.1/66

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: -0.029+/-0.001 χ^2/NDF:3558.9/15

Left: -0.033+/-0.000 χ^2/NDF: 5866.7/32

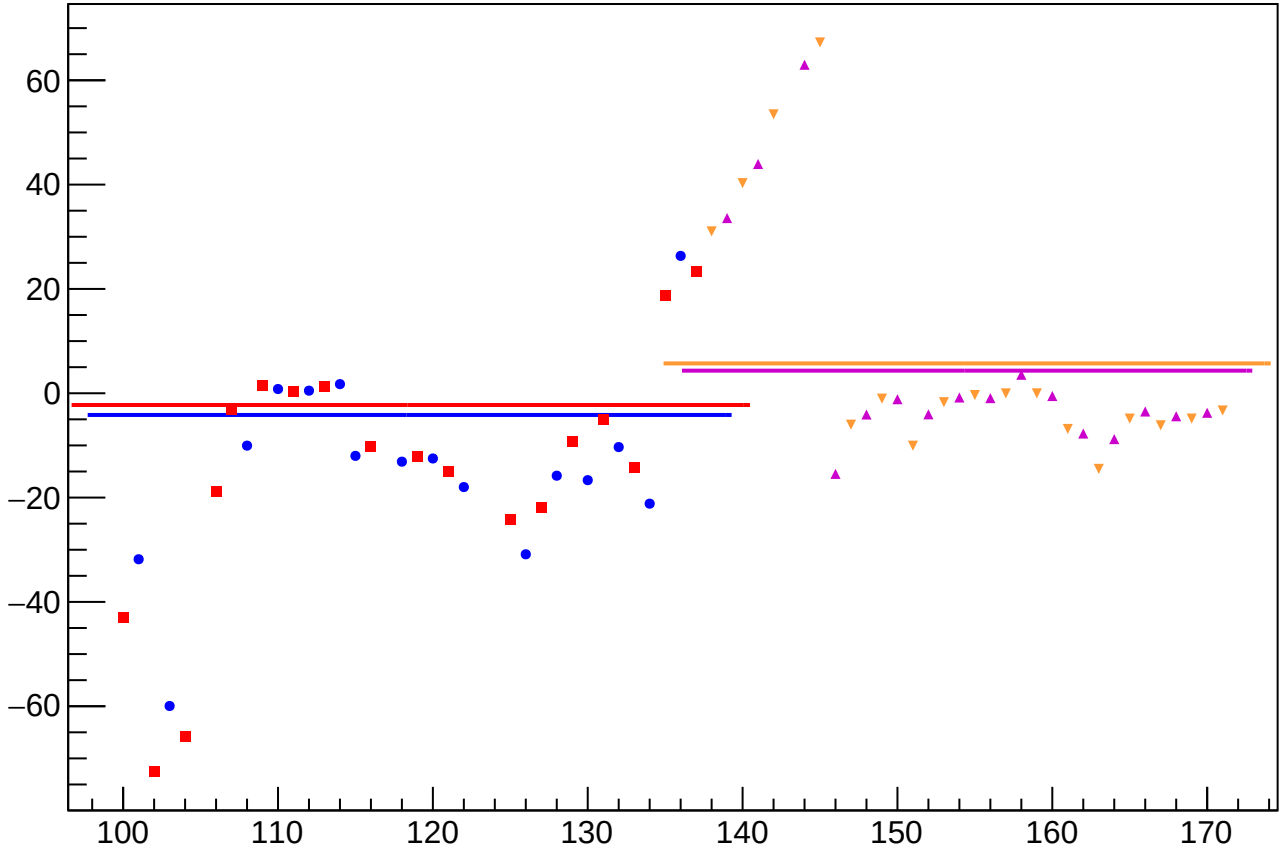
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.040+/-0.001 χ^2/NDF:17018.8/31

Out: -0.041+/-0.001 χ^2/NDF:16866.2/34

All: -0.040+/-0.000 χ^2/NDF: 33889.9/66

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: 4.332+/-0.052 χ^2/NDF:121802.0/15

Left: 4.945+/-0.039 χ^2/NDF: 238492.3/32

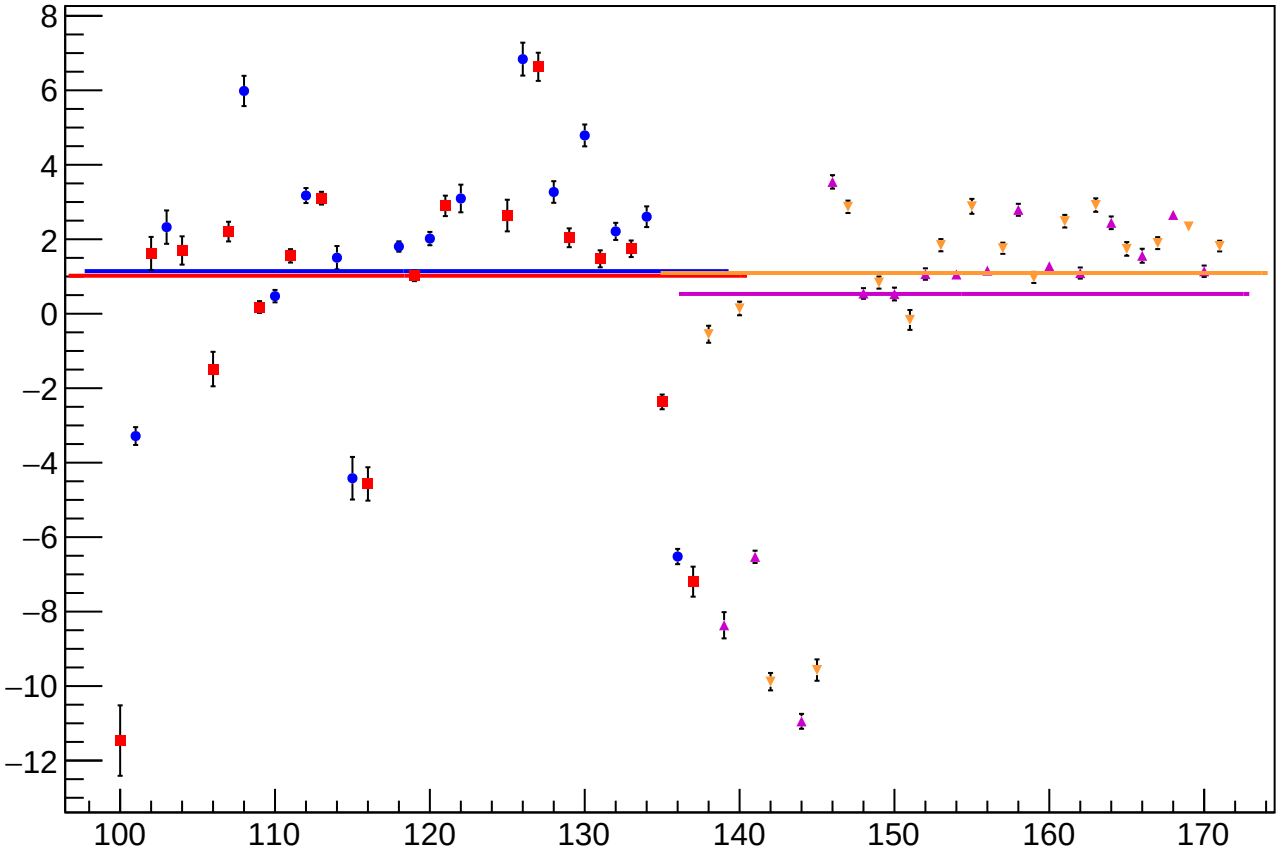
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.261+/-0.038 χ^2/NDF:209916.1/31

Out: 0.778+/-0.036 χ^2/NDF:207445.8/34

All: 0.530+/-0.026 χ^2/NDF: 417460.0/66

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: 0.531+/-0.037 χ^2/NDF:6739.7/15

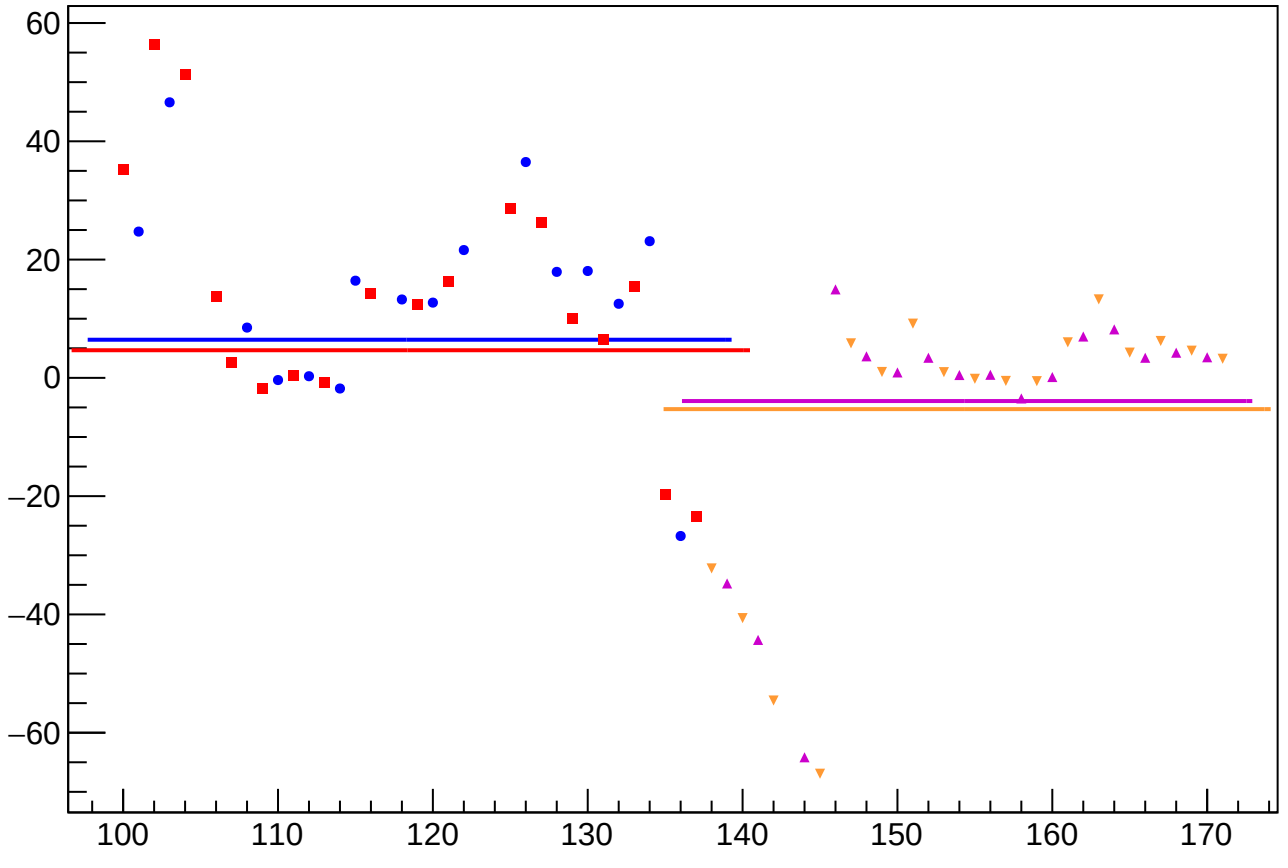
Left: 0.778+/-0.028 χ^2/NDF: 11066.9/32

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.703+/-0.032 χ^2/NDF:9409.9/31

Out: 1.068+/-0.034 χ^2/NDF:5820.9/34

All: 0.873+/-0.023 χ^2/NDF: 15292.0/66



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: -3.920+/-0.050 χ^2/NDF:119384.4/15

Left: -4.515+/-0.038 χ^2/NDF: 232163.3/32

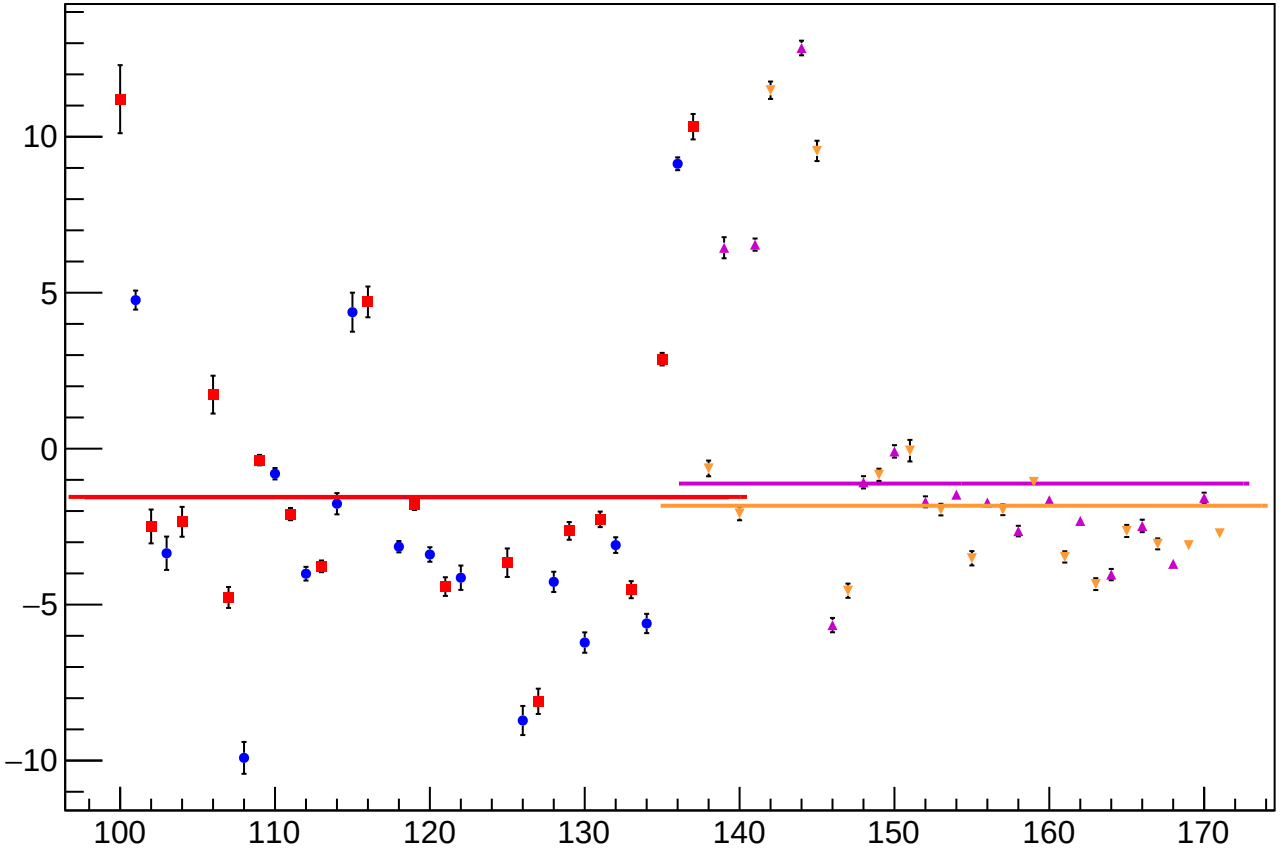
Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: -0.021+/-0.040 χ^2/NDF:206128.5/31

Out: -0.447+/-0.041 χ^2/NDF:201513.6/34

All: -0.227+/-0.029 χ^2/NDF: 407697.6/66

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: -1.120+/-0.042 χ^2/NDF:6753.1/15

Left: -1.431+/-0.032 χ^2/NDF: 11096.6/32

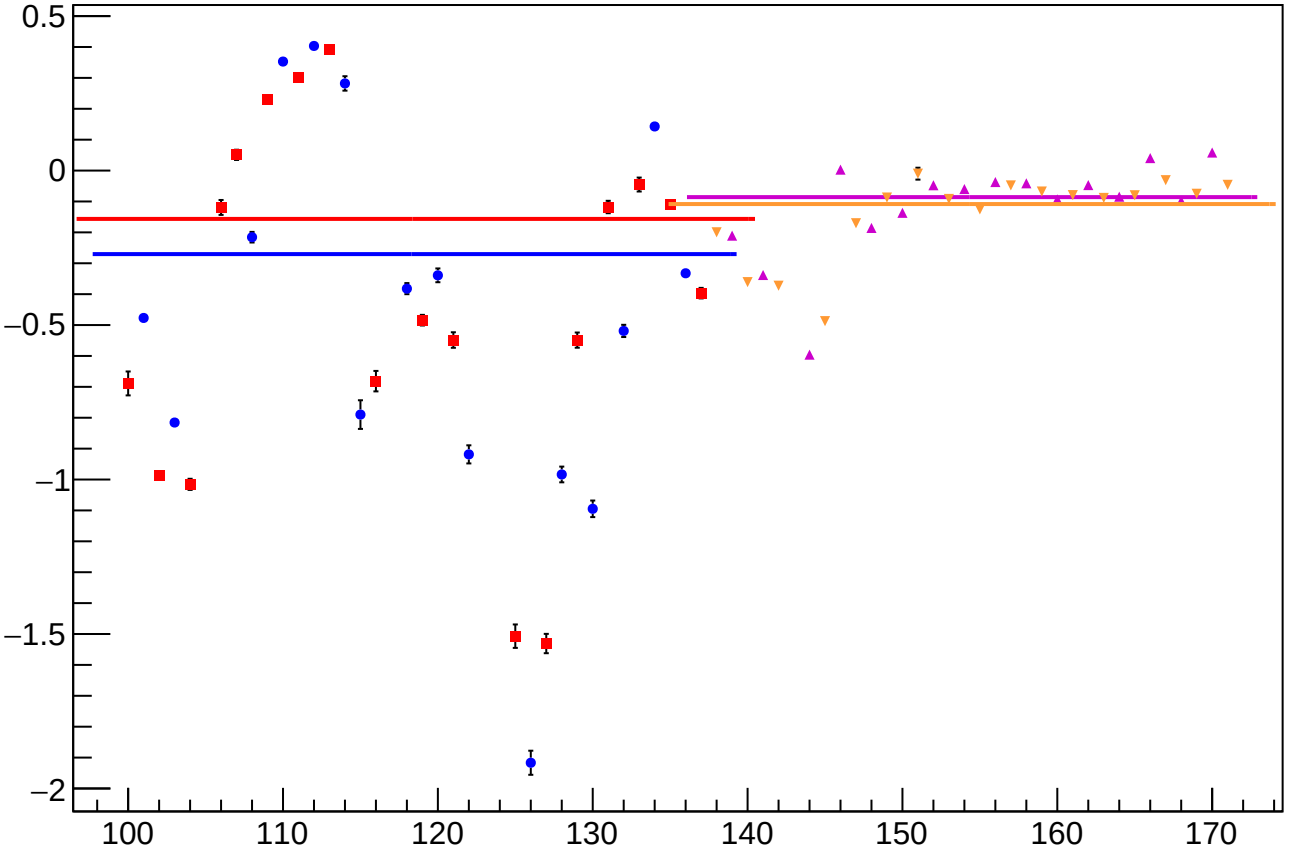
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.239+/-0.036 χ^2/NDF:11325.4/31

Out: -1.729+/-0.038 χ^2/NDF:6703.0/34

All: -1.469+/-0.026 χ^2/NDF: 18114.3/66

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: -0.086+/-0.002 χ^2/NDF:3646.2/15

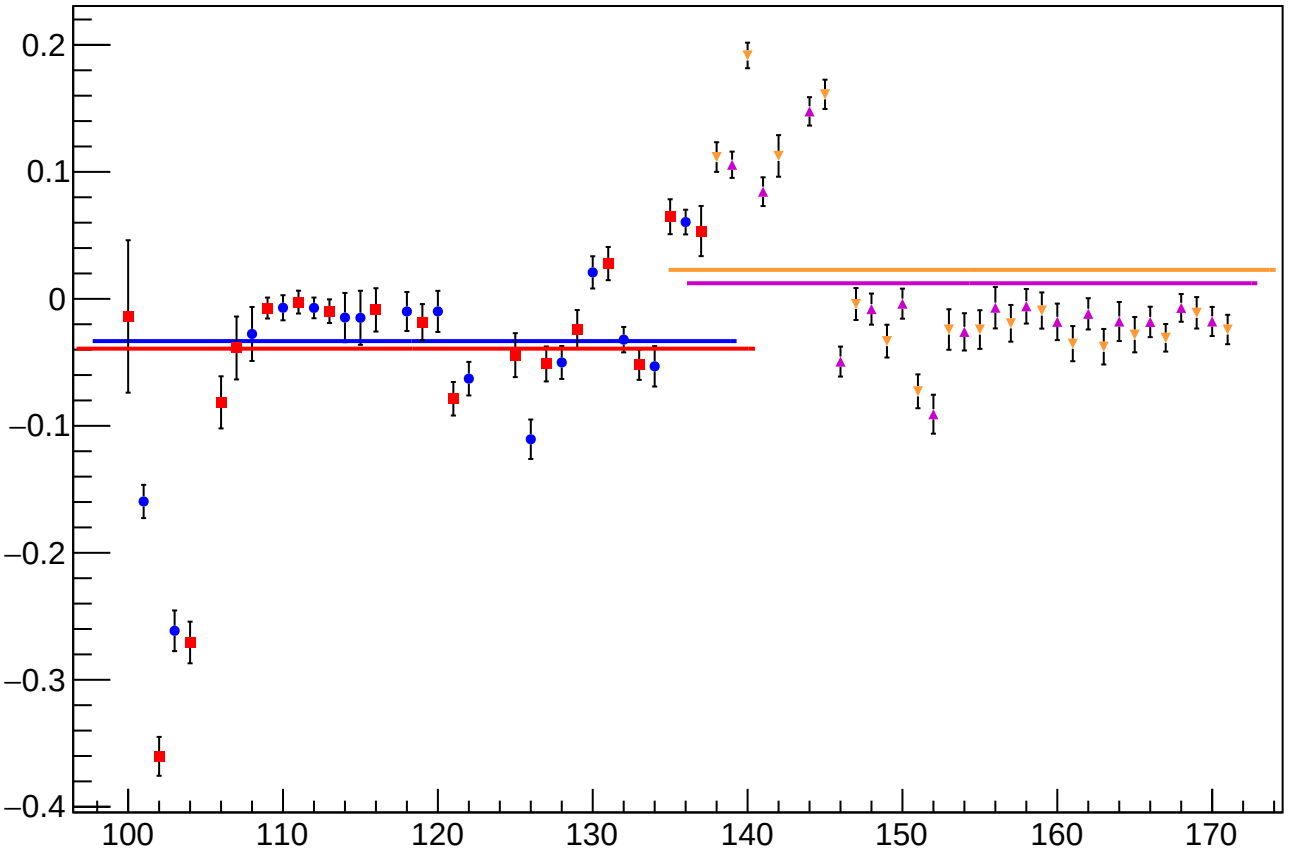
Left: -0.096+/-0.001 χ^2/NDF: 5998.7/32

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.115+/-0.002 χ^2/NDF:17413.7/31

Out: -0.120+/-0.002 χ^2/NDF:17439.6/34

All: -0.117+/-0.001 χ^2/NDF: 34856.2/66



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: 0.012+/-0.003 χ^2/NDF:384.2/15

Left: 0.018+/-0.002 χ^2/NDF: 1107.6/32

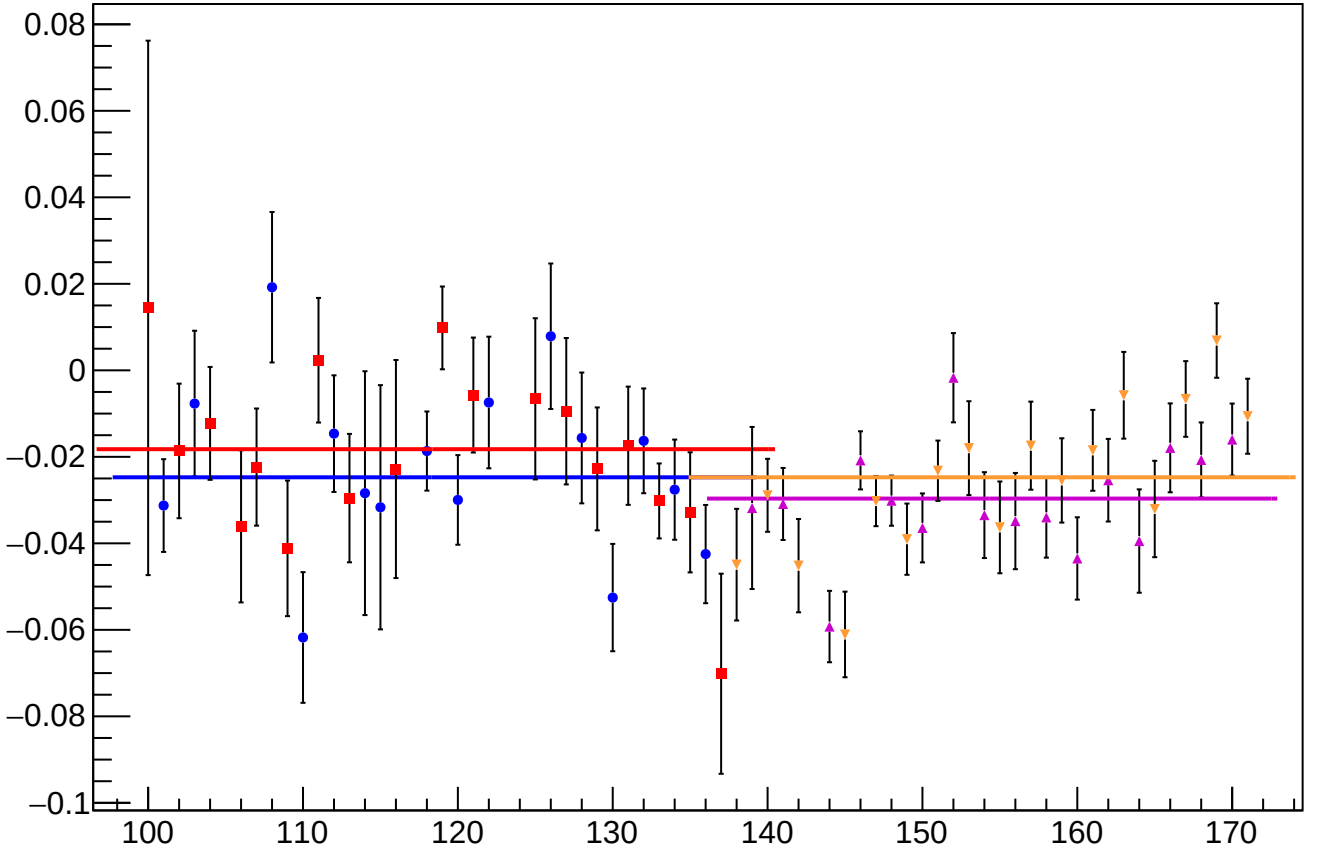
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.010+/-0.002 χ^2/NDF:951.2/31

Out: -0.008+/-0.002 χ^2/NDF:1718.8/34

All: -0.009+/-0.002 χ^2/NDF: 2670.4/66

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: -0.030+/-0.002 χ^2/NDF:31.3/15

Left: -0.027+/-0.002 χ^2/NDF: 84.5/32

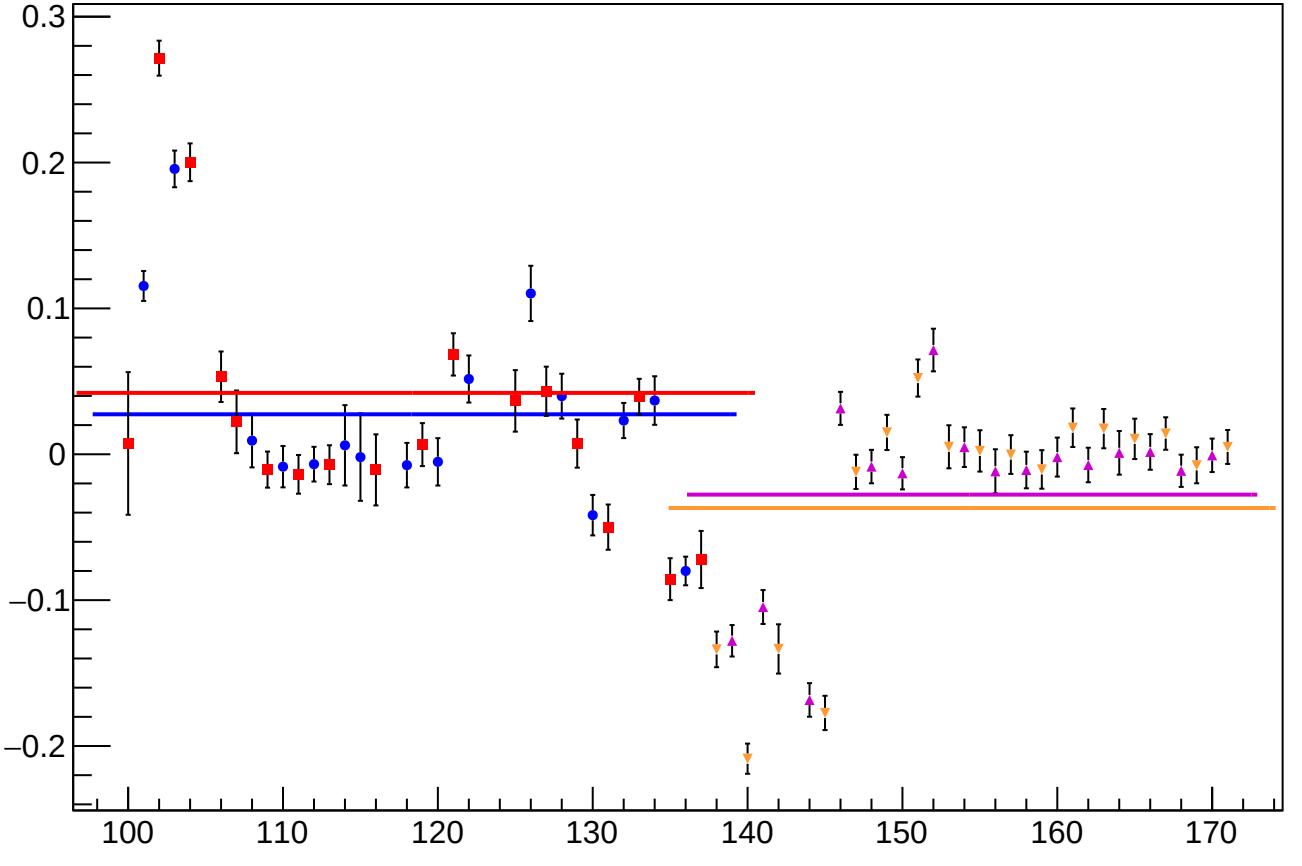
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.028+/-0.002 χ^2/NDF:61.4/31

Out: -0.023+/-0.002 χ^2/NDF:78.0/34

All: -0.025+/-0.001 χ^2/NDF: 143.5/66

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.037+/-0.003 χ^2/NDF:698.6/16

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.028+/-0.003 χ^2/NDF:390.2/15

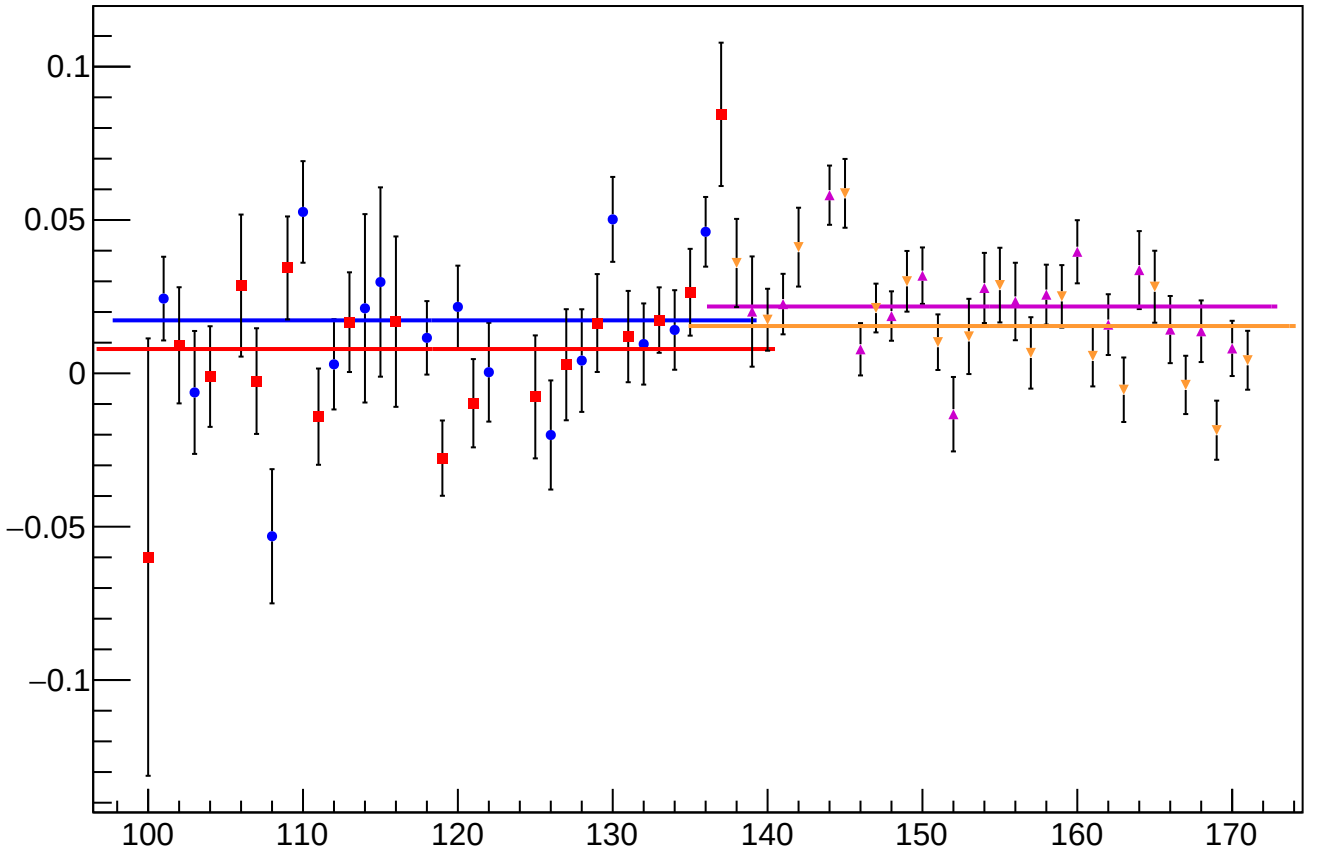
Left: -0.032+/-0.002 χ^2/NDF: 1093.3/32

Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:973.7/31

Out: -0.004+/-0.002 χ^2/NDF:1707.1/34

All: -0.004+/-0.002 χ^2/NDF: 2680.8/66



Right In: 0.017+/-0.004 χ^2/NDF: 36.7/15

Left Out: 0.015+/-0.003 χ^2/NDF:50.7/16

Right Out: 0.008+/-0.004 χ^2/NDF: 31.4/17

Left In: 0.022+/-0.003 χ^2/NDF:34.6/15

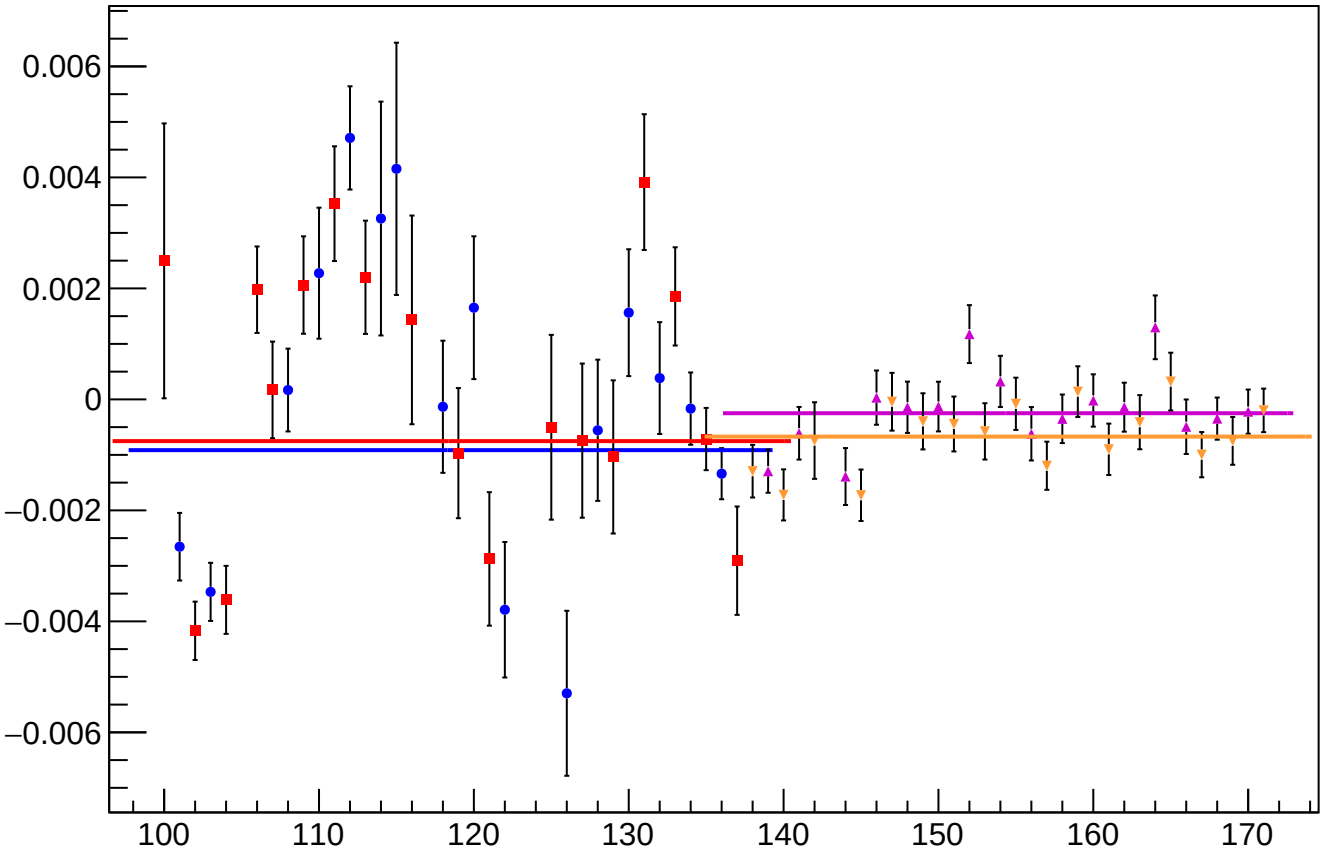
Left: 0.019+/-0.002 χ^2/NDF: 88.4/32

Right: 0.013+/-0.003 χ^2/NDF: 71.0/33

In: 0.020+/-0.002 χ^2/NDF:72.2/31

Out: 0.013+/-0.002 χ^2/NDF:84.7/34

All: 0.017+/-0.002 χ^2/NDF: 162.6/66



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:30.7/15

Left: -0.000+/-0.000 χ^2/NDF: 64.1/32

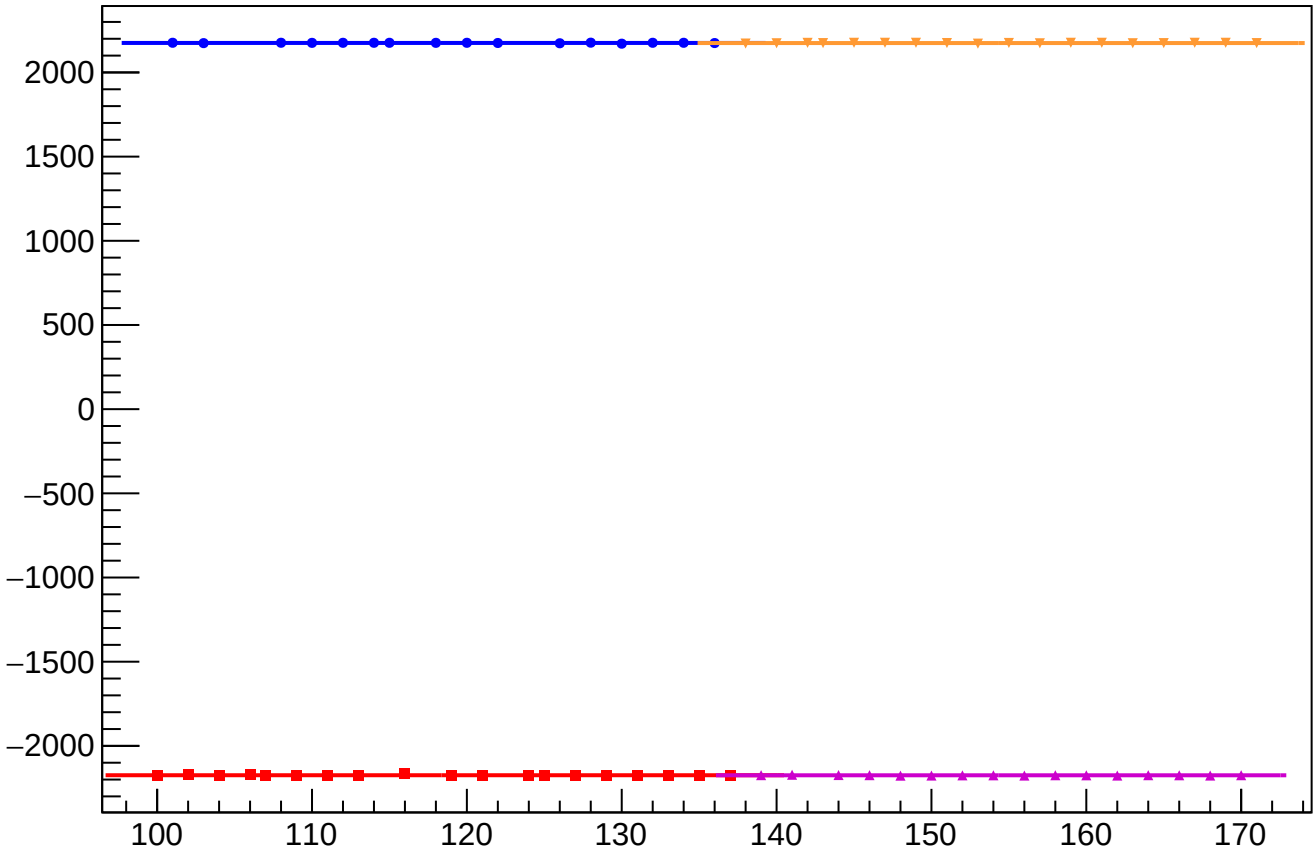
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:152.5/31

Out: -0.001+/-0.000 χ^2/NDF:174.3/34

All: -0.001+/-0.000 χ^2/NDF: 330.9/66

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: -2174.666+/-0.000 χ^2/NDF:267069856259117246166580733988 0448.0/15

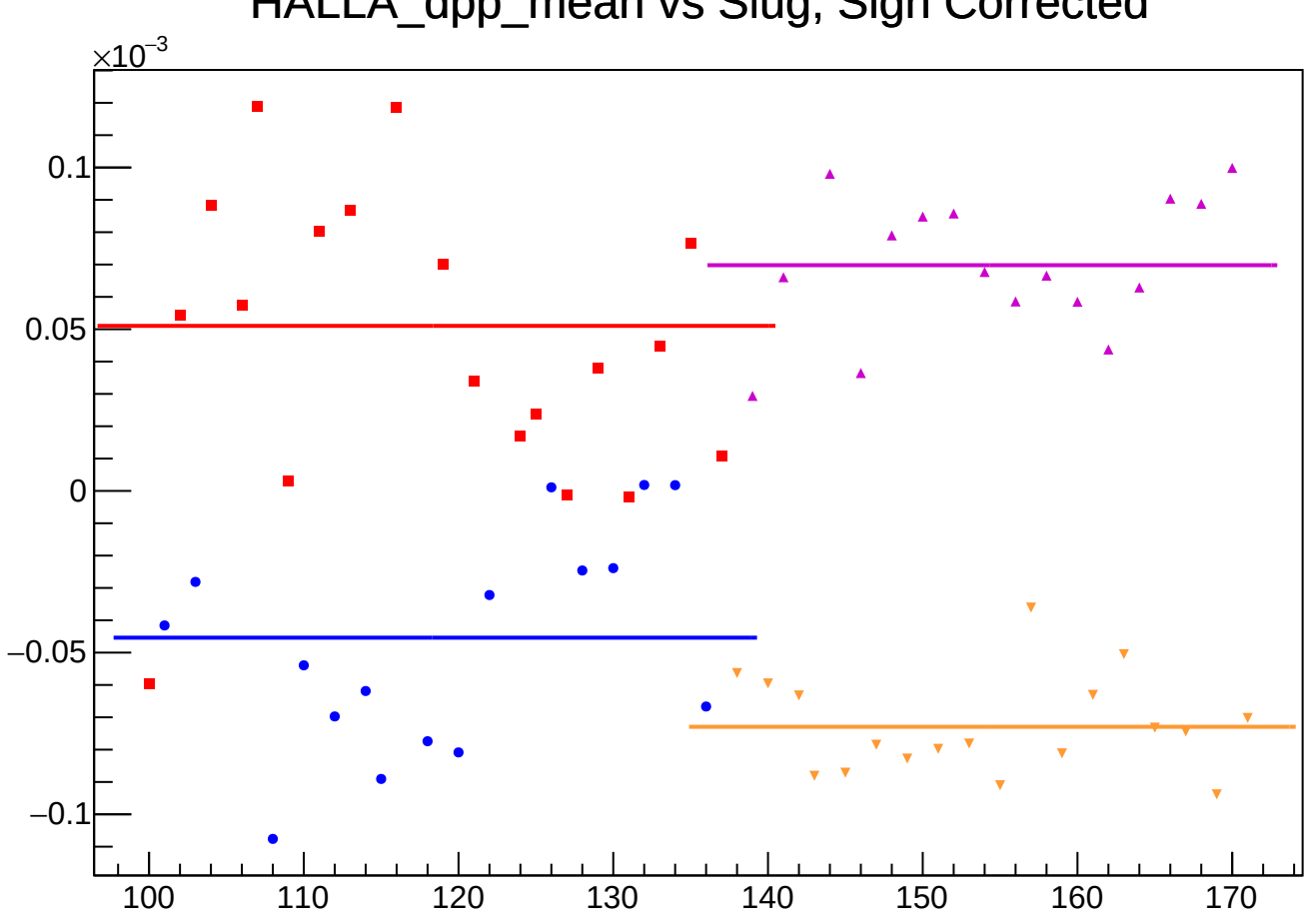
Left: 85.914+/-0.000 χ^2/NDF: 1349912723170882

Right: -31.373+/-0.000 χ^2/NDF: 711179104907611

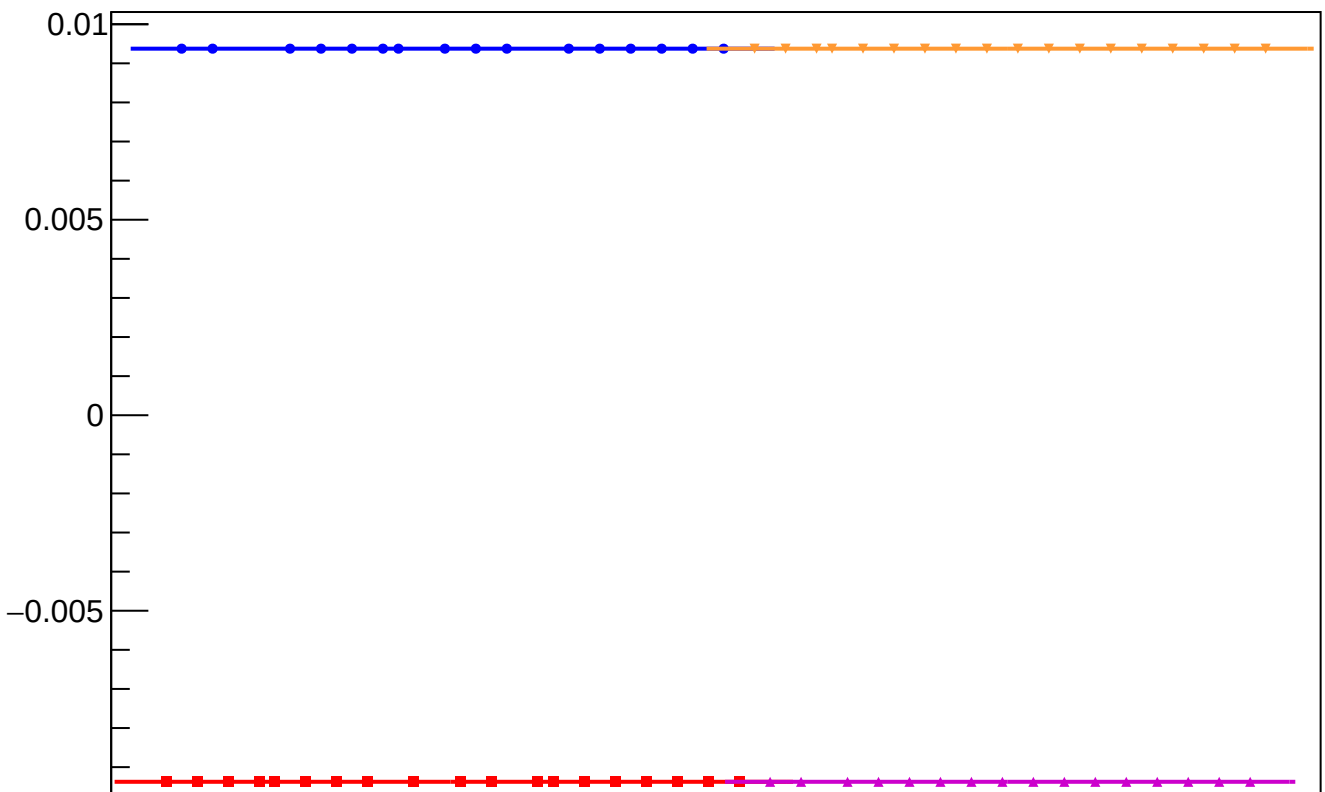
In: -649.949+/-0.000 χ^2/NDF:9106172730971210

Out: 699.171+/-0.000 χ^2/NDF:9534903958793745

All: 45.483+/-0.000 χ^2/NDF: 2062447566301


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:58428127834794594874163 2.0/15
Left: -0.000+/-0.000 χ²/NDF: 15458158530851551
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:768103357567302438
Out: -0.000+/-0.000 χ²/NDF:90958592842342829
All: -0.000+/-0.000 χ²/NDF: 2073943706643

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:0.1/15

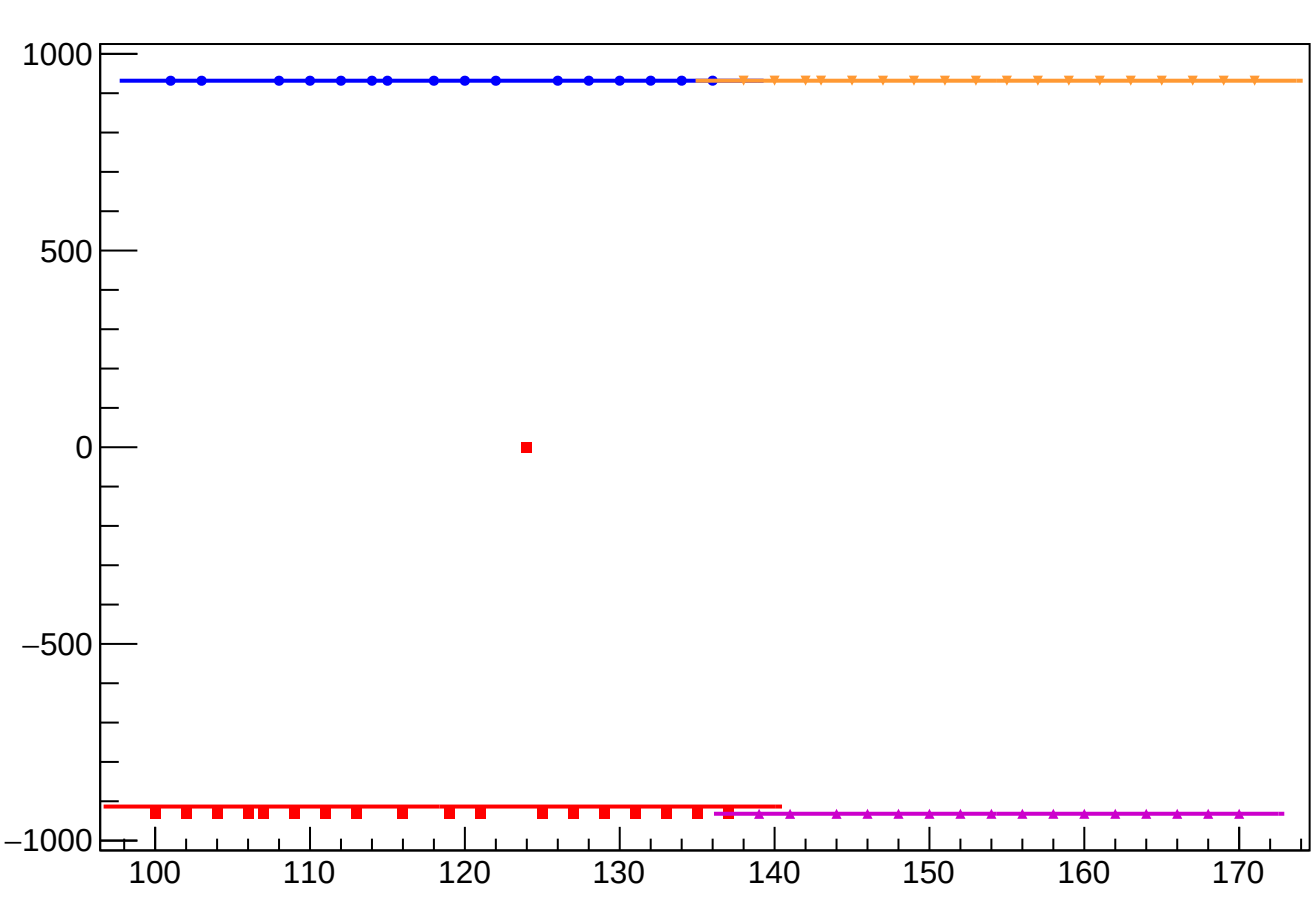
Left: 0.000+/-0.000 χ^2/NDF: 250886755640083042

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

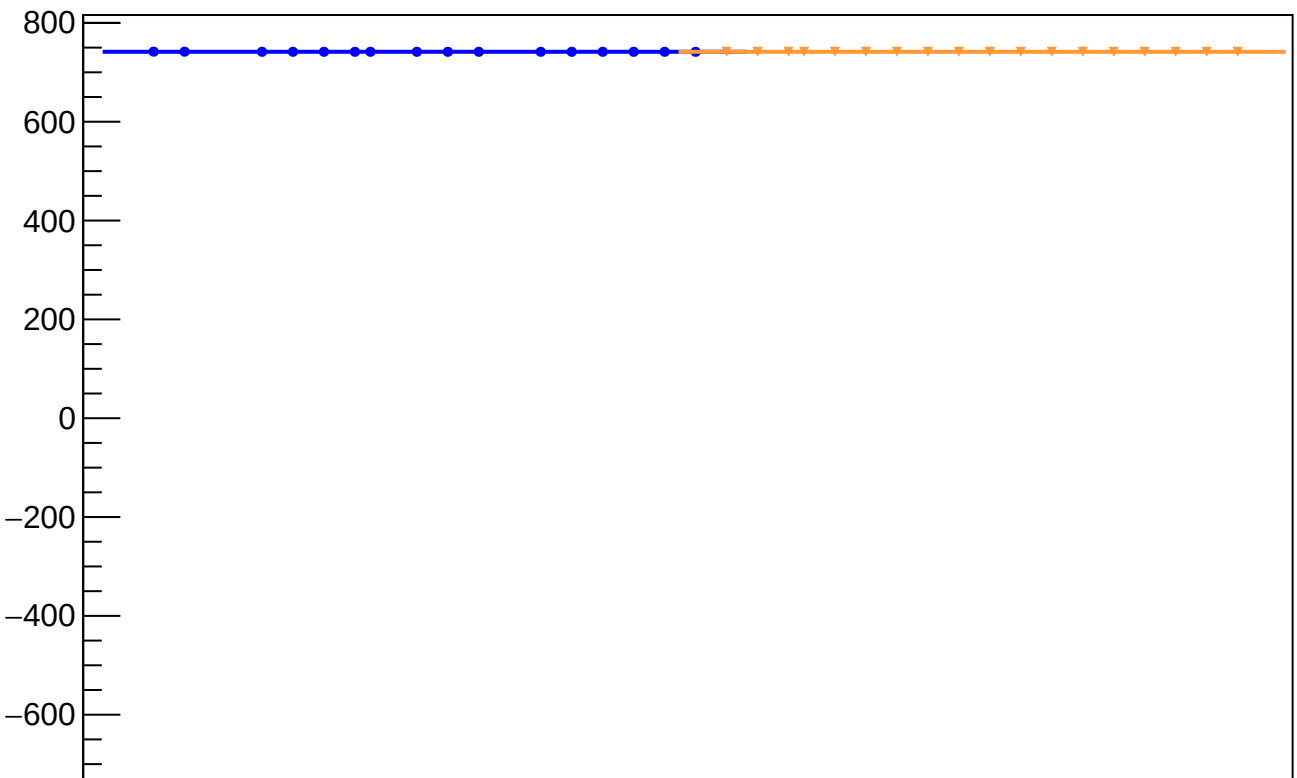
In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 38329997994499


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:41692174466200548006264003624960.0/17
Right Out: -913.447+/-0.000 χ²/NDF: 12765879635094435683491886518824337408.0/18
Left In: -931.773+/-0.000 χ²/NDF:3668555033248633859227714060288.0/15
Left: 36.833+/-0.000 χ²/NDF: 24783399046243406
Right: -4.335+/-0.000 χ²/NDF: 1292705120140630
In: -278.564+/-0.000 χ²/NDF:1671330679245653
Out: 305.768+/-0.000 χ²/NDF:1729311942471011
All: 22.642+/-0.000 χ²/NDF: 377271531817

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 741.569+/-0.000 χ^2/NDF: 643295117612794706193889938636 8.0/15

Left Out: 741.514+/-0.000 χ^2/NDF:19240304483945126095105713766 4.0/17

Right Out: -741.577+/-0.000 χ^2/NDF: 769226394789261471153747761561 6.0/18

Left In: -741.514+/-0.000 χ^2/NDF:17022992010273066980142691123 2.0/15

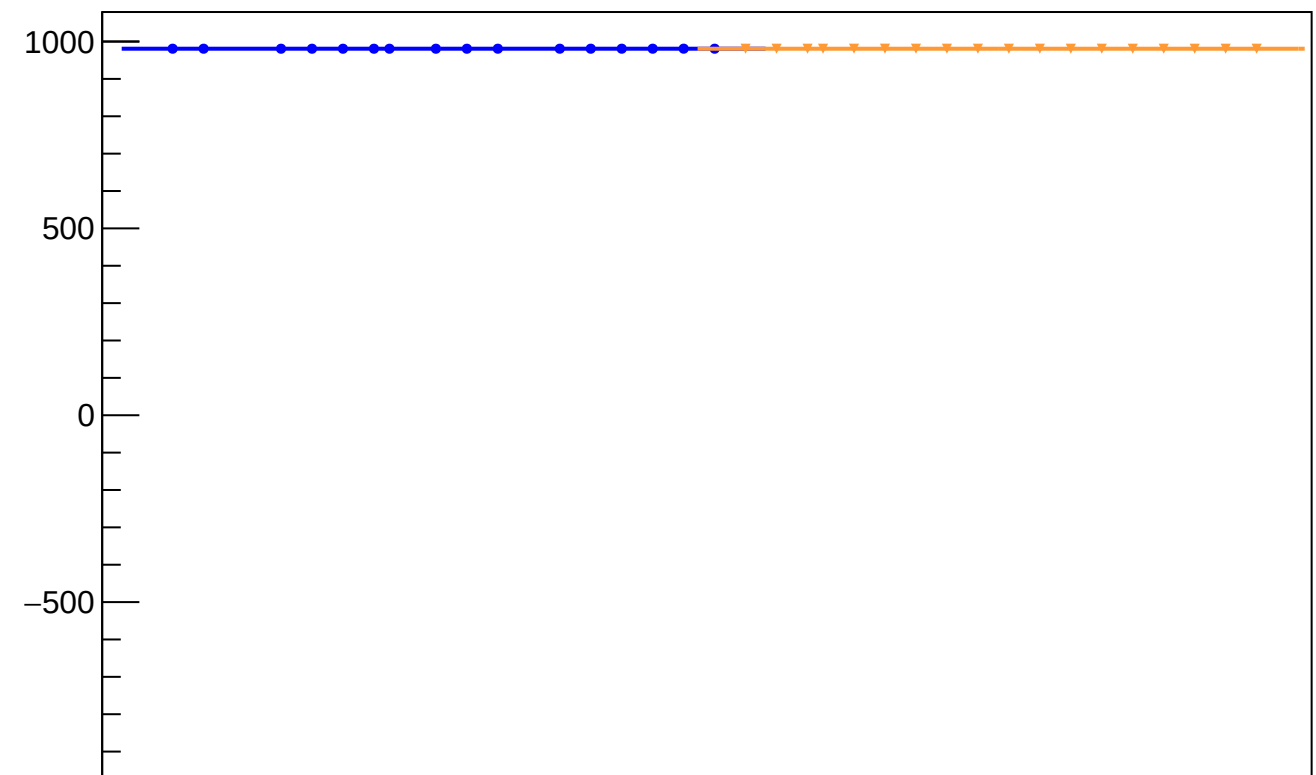
Left: 29.308+/-0.000 χ^2/NDF: 1569544894734153

Right: -10.851+/-0.000 χ^2/NDF: 826918104240998

In: -221.663+/-0.000 χ^2/NDF:1058557894718745

Out: 238.358+/-0.000 χ^2/NDF:1108891821318176

All: 15.464+/-0.000 χ^2/NDF: 239805243986



Right In: 980.804+/-0.000 χ^2/NDF: 9333132768848077867742459330560/15

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: -980.777+/-0.000 χ^2/NDF:136543986683892096007412278886 4.0/15

Left: 38.760+/-0.000 χ^2/NDF: 27458206266485718

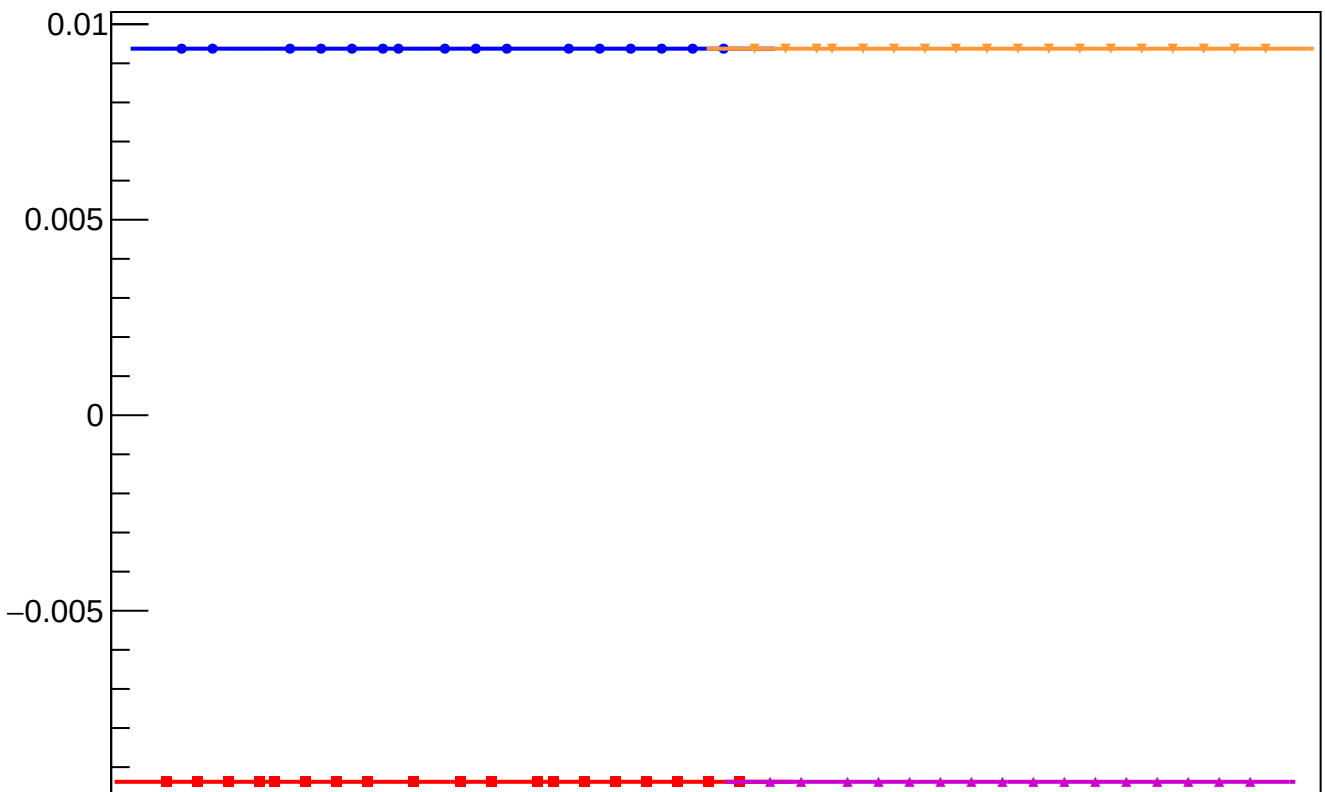
Right: -14.307+/-0.000 χ^2/NDF: 144638600880856

In: -293.203+/-0.000 χ^2/NDF:18518091322762 93

Out: 315.309+/-0.000 χ^2/NDF:19396693458712 47

All: 20.467+/-0.000 χ^2/NDF: 4194982037835

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:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 250886755640083042

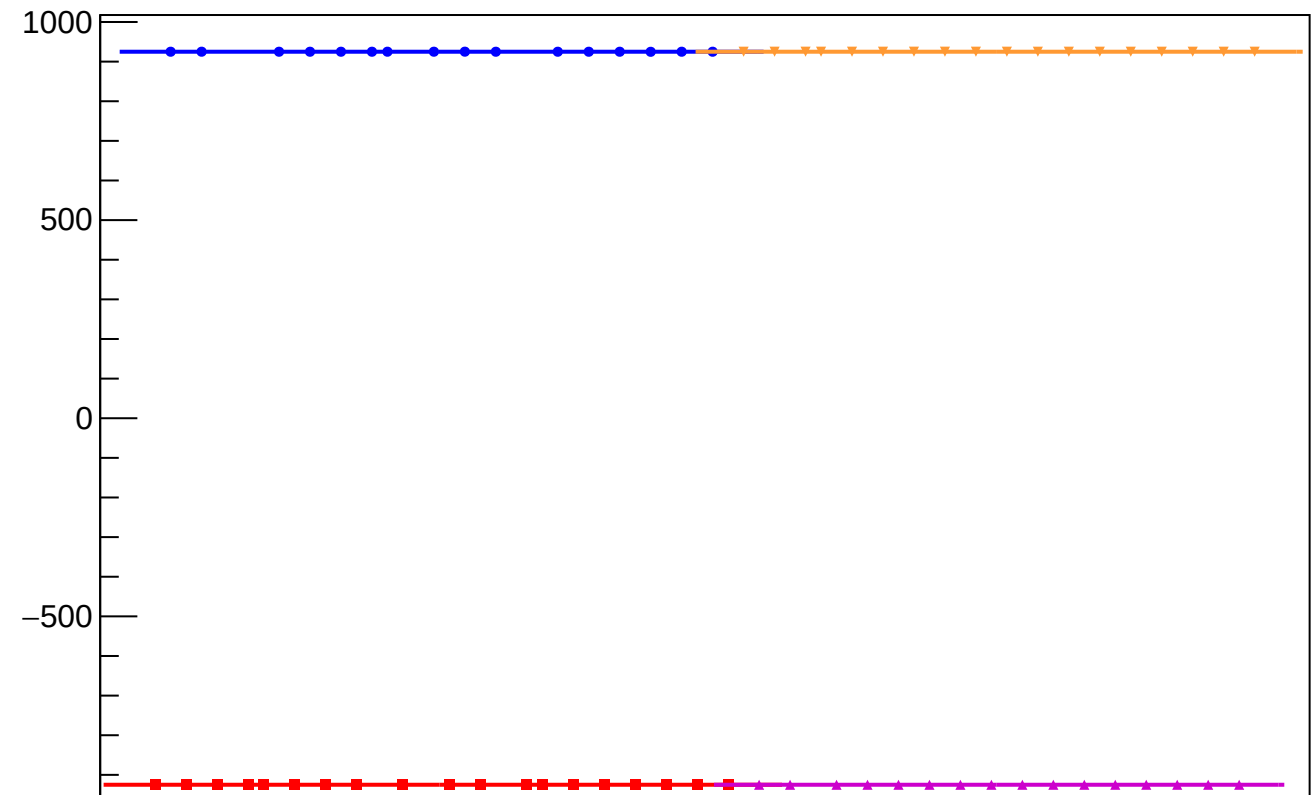
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 38329997994499

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.966+/-0.000 χ^2/NDF: 2544370508087658800533037121536.0/15

Left Out: 924.985+/-0.000 χ^2/NDF:87185256544835955989400885656576.0/17

Right Out: -924.974+/-0.000 χ^2/NDF: 124198152111689090023635183206 4.0/18

Left In: -924.987+/-0.000 χ^2/NDF:71117301547978976767285343027 2.0/15

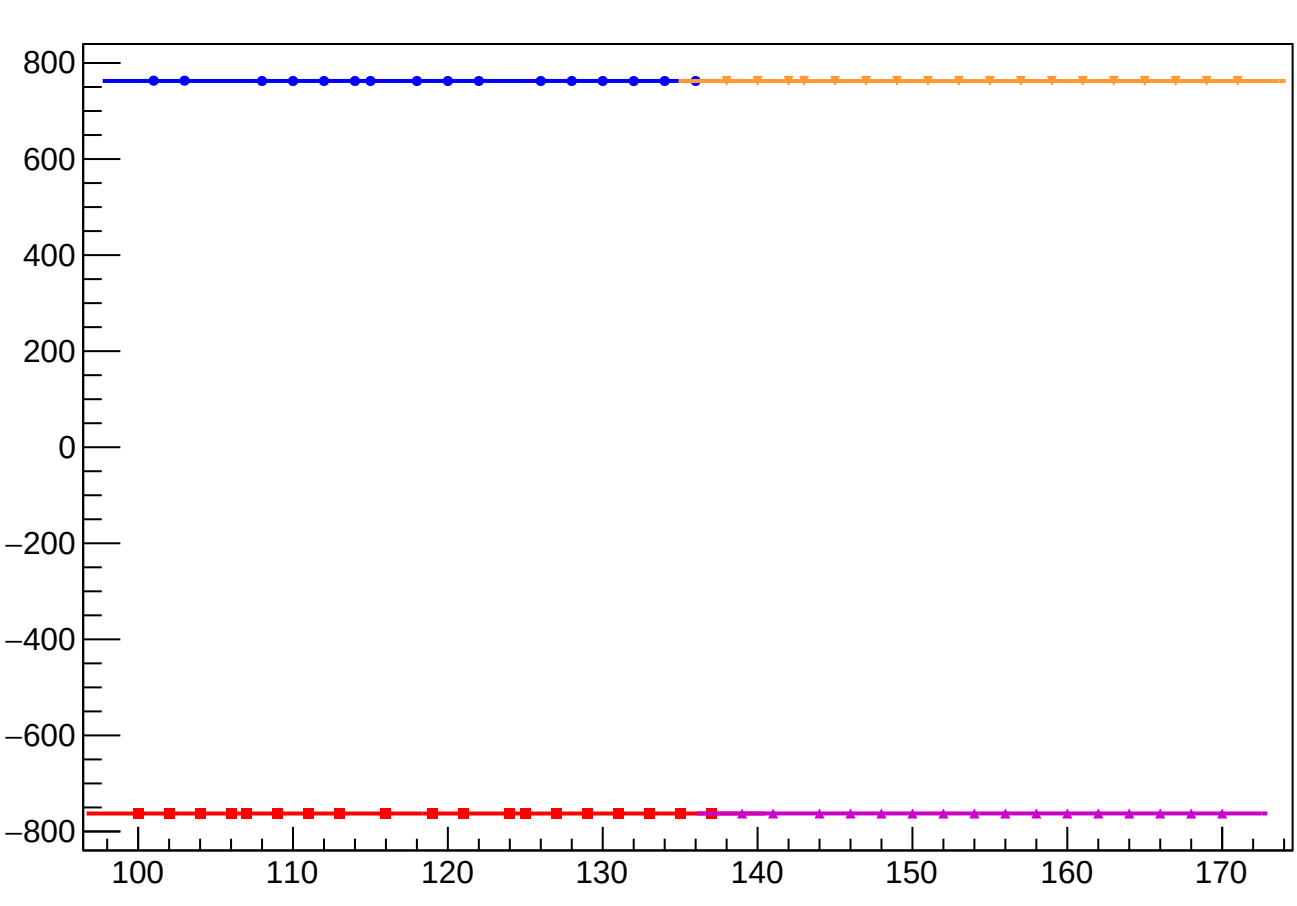
Left: 36.558+/-0.000 χ^2/NDF: 2442335260491668

Right: -13.534+/-0.000 χ^2/NDF: 128650155911450

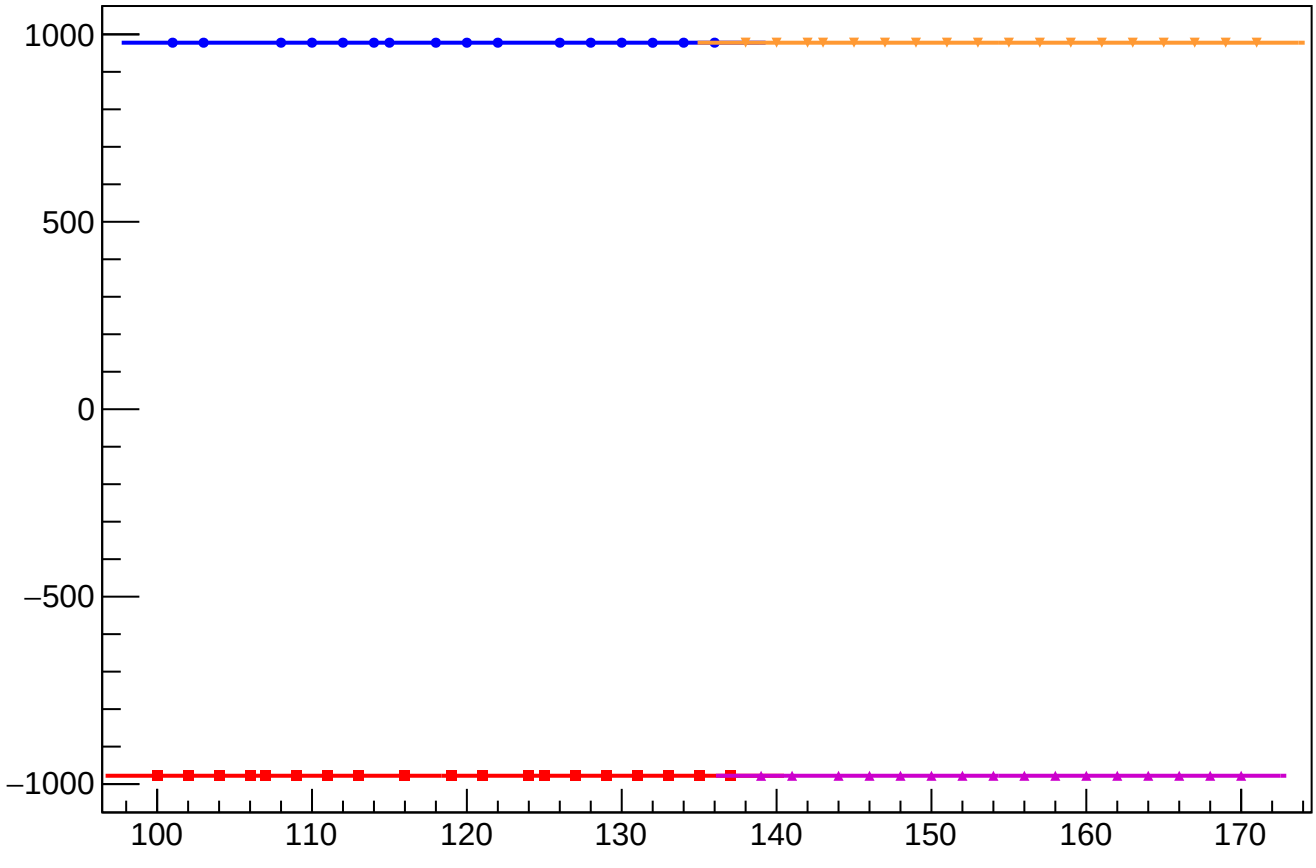
In: -276.541+/-0.000 χ^2/NDF:1647043840451552

Out: 297.364+/-0.000 χ^2/NDF:172535310691992

All: 19.291+/-0.000 χ^2/NDF: 373130980356


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: -762.512+/-0.000 χ²/NDF:428297856834921926844515090432.0/15
Left: 30.138+/-0.000 χ²/NDF: 16596949317925587
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
In: -227.925+/-0.000 χ²/NDF:1119420304947830
Out: 245.093+/-0.000 χ²/NDF:1172647680371704
All: 15.902+/-0.000 χ²/NDF: 2535885976185

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.740+/-0.000 χ^2/NDF:1117032498519404171026130534400.0/17

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.737+/-0.000 χ^2/NDF:10401905348557123465836138332160.0/15

Left: 38.646+/-0.000 χ^2/NDF: 2728855172184305

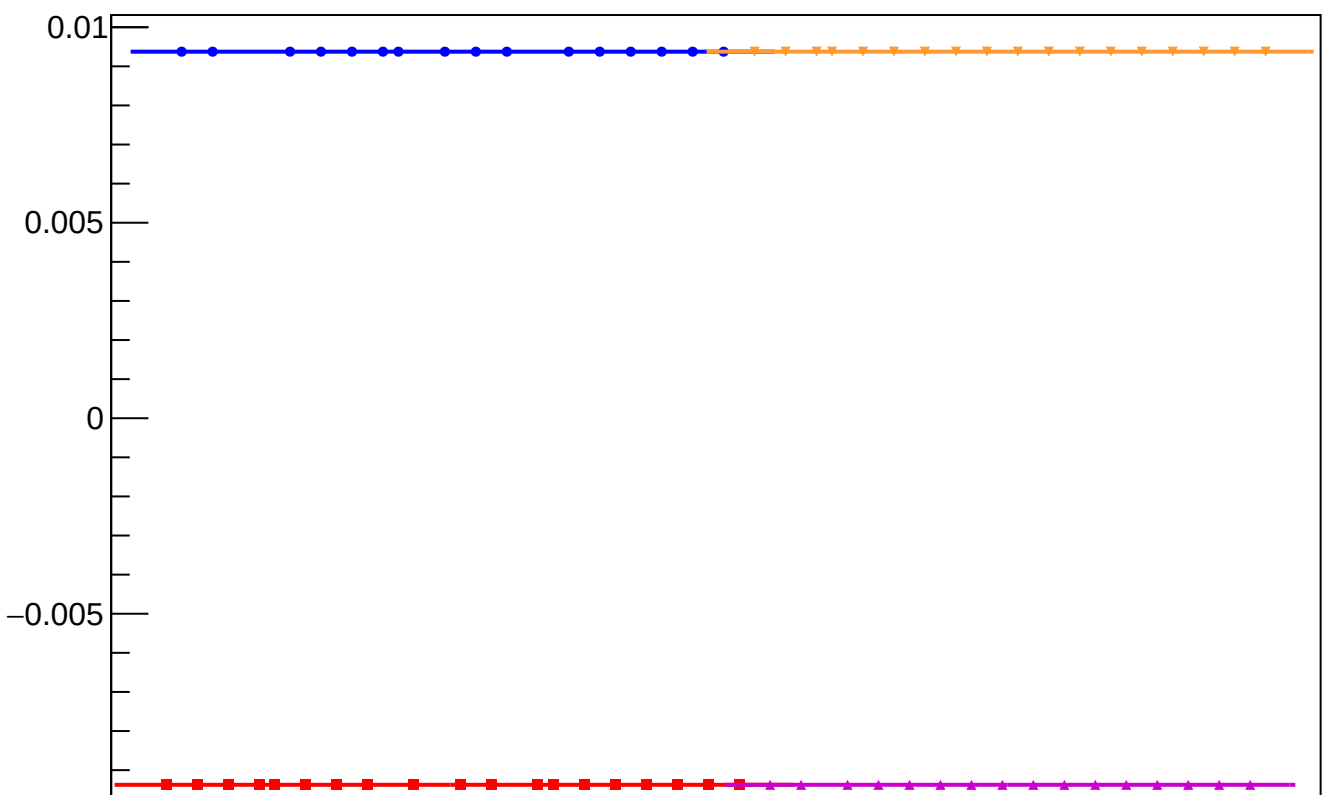
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -292.299+/-0.000 χ^2/NDF:1840320025688395

Out: 314.317+/-0.000 χ^2/NDF:192780757992150

All: 20.394+/-0.000 χ^2/NDF: 4169121798070

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:0.1/15

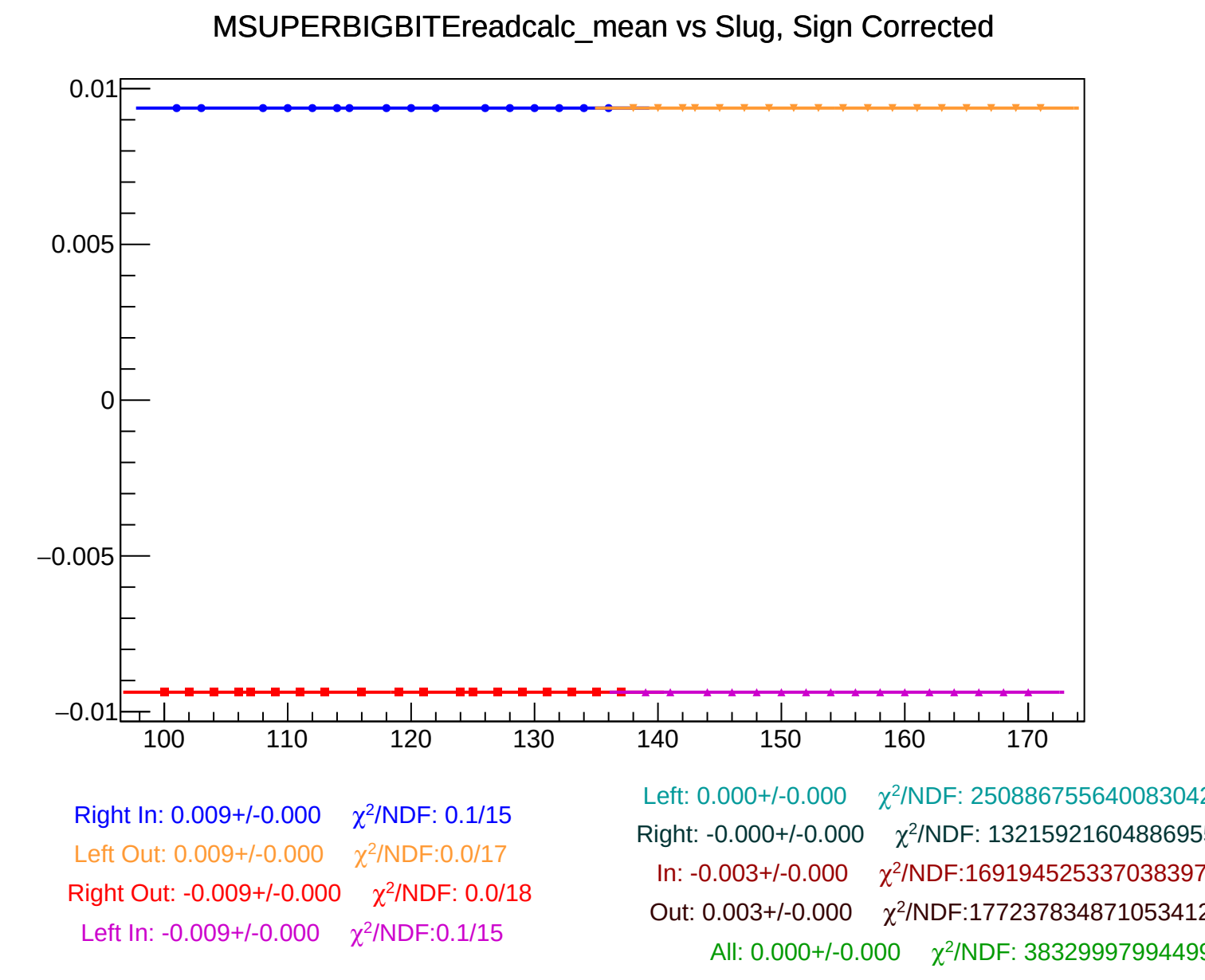
Left: 0.000+/-0.000 χ^2/NDF: 250886755640083042

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

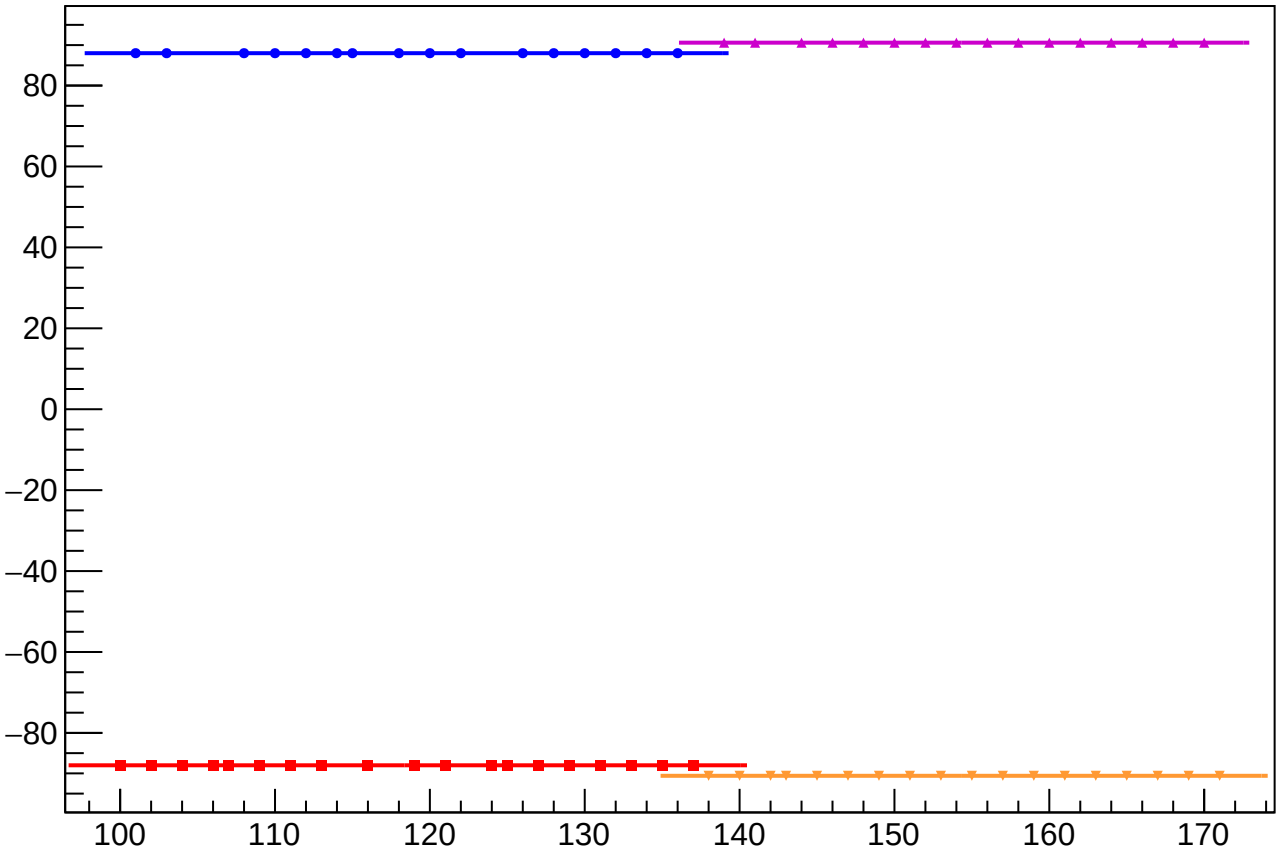
In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 38329997994499


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
110
120
130
140
150
160
170
Right In: 0.009+/-0.000 χ²/NDF: 0.1/15
Left Out: 0.009+/-0.000 χ²/NDF:0.0/17
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/15
Left: 0.000+/-0.000 χ²/NDF: 250886755640083042
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.003+/-0.000 χ²/NDF:169194525337038397
Out: 0.003+/-0.000 χ²/NDF:177237834871053412
All: 0.000+/-0.000 χ²/NDF: 3832999799449

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:5187852.2/15

Left: -3.581+/-0.000 χ^2/NDF: 23430676993241962

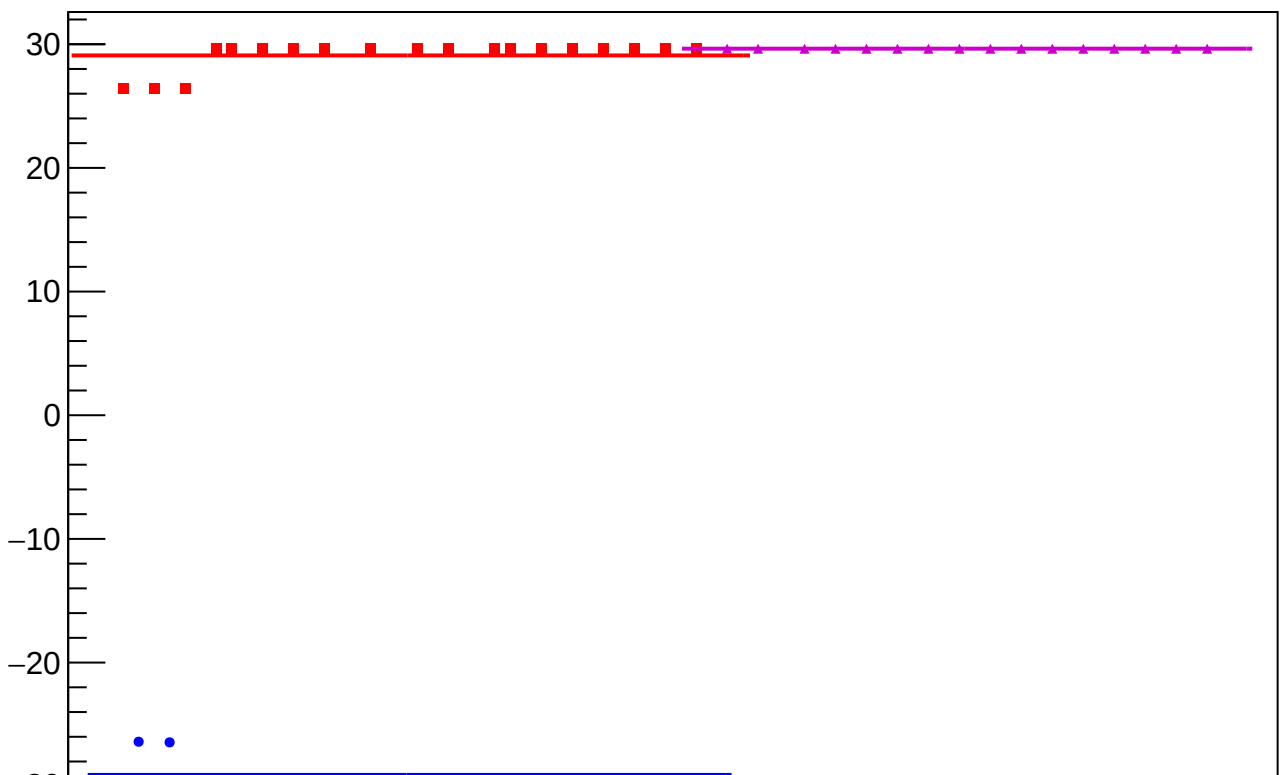
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.688+/-0.000 χ^2/NDF:324982923633908496

Out: -89.719+/-0.000 χ^2/NDF:3397315369997039

All: -2.791+/-0.000 χ^2/NDF: 350808832290

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.085+/-0.000 χ^2/NDF: 109436788525160987735503641195315 2.0/15

Left Out: -29.641+/-0.000 χ^2/NDF:213295.4/17

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977 6000.0/18

Left In: 29.641+/-0.000 χ^2/NDF:139786.2/15

Left: -1.172+/-0.000 χ^2/NDF: 25079113782089721

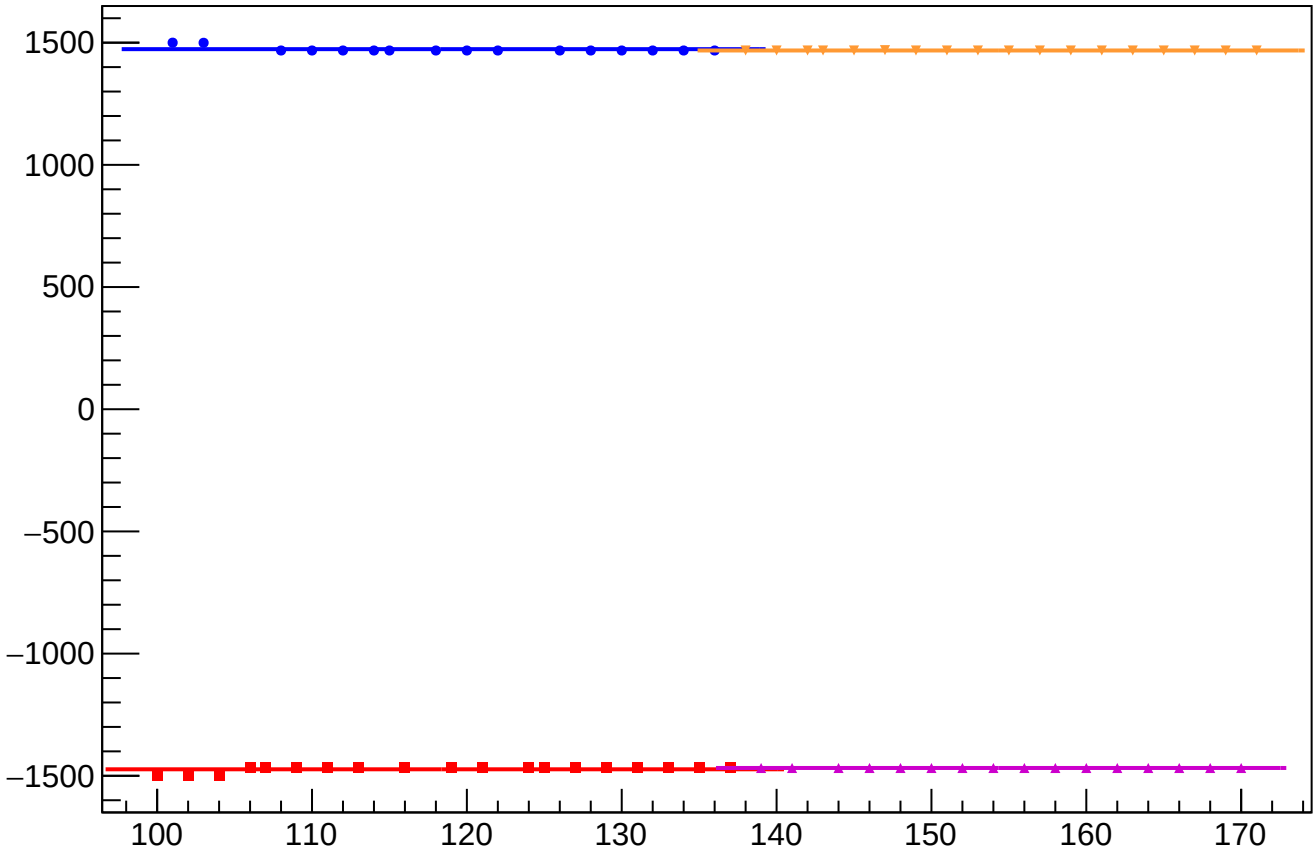
Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

In: 9.056+/-0.000 χ^2/NDF:166085753025624942 6

Out: -9.715+/-0.000 χ^2/NDF:17402368213704908

All: -0.620+/-0.000 χ^2/NDF: 3785037631965

psub_pl_pos_mean vs Slug, Sign Corrected



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: -1467.991+/-0.000 χ^2/NDF:13138412232662398089119662080 0.0/15

Left: 58.062+/-0.000 χ^2/NDF: 615184146226242 83

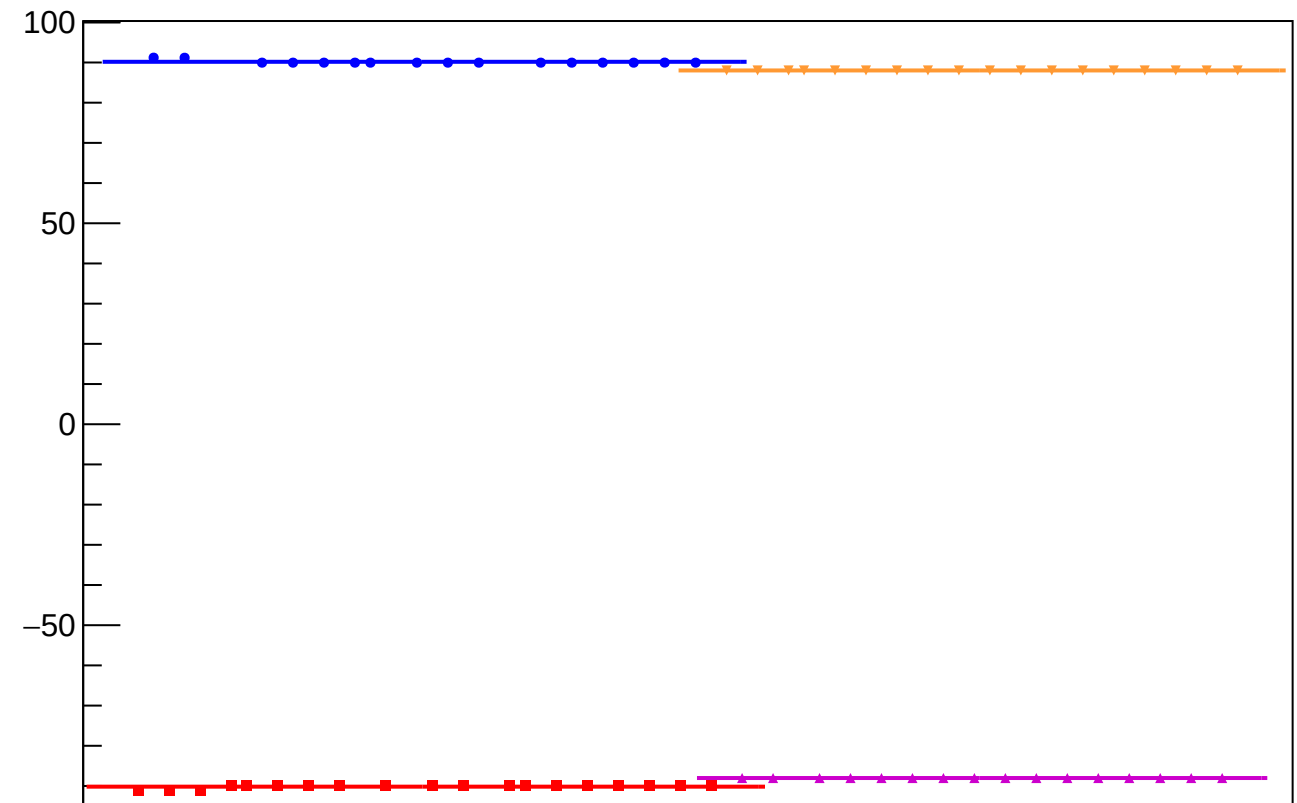
Right: -21.516+/-0.000 χ^2/NDF: 32646973859146 0

In: -436.950+/-0.000 χ^2/NDF:41640933412568 57

Out: 470.143+/-0.000 χ^2/NDF:43620570860299 95

All: 30.630+/-0.000 χ^2/NDF: 94227798632 1

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:5103033.9/15

Left: 3.479+/-0.000 χ^2/NDF: 221159118145717655

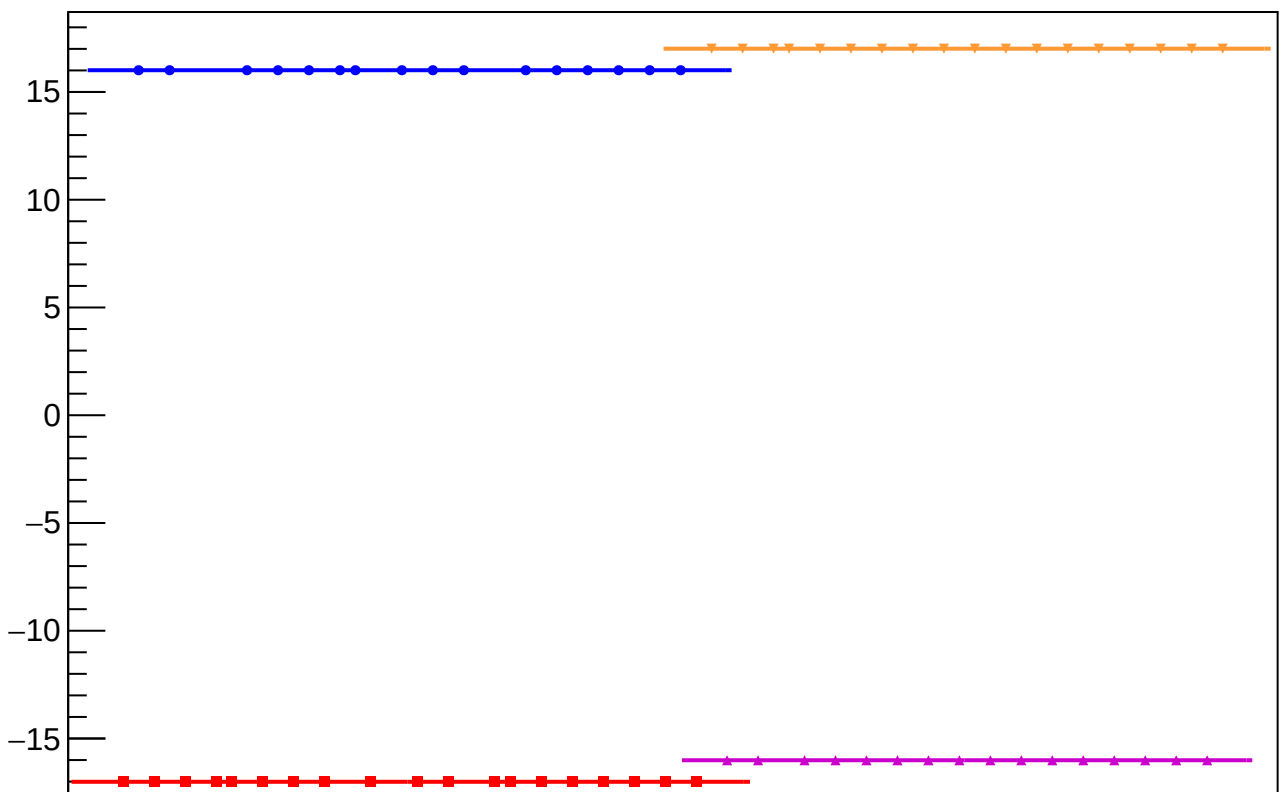
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -25.560+/-0.000 χ^2/NDF:15281705715143289

Out: 27.568+/-0.000 χ^2/NDF:16007492030036783

All: 1.826+/-0.000 χ^2/NDF: 34364986026717

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:12253095515587944959180 8.0/15

Left: 1.130+/-0.000 χ^2/NDF: 719862832359022172

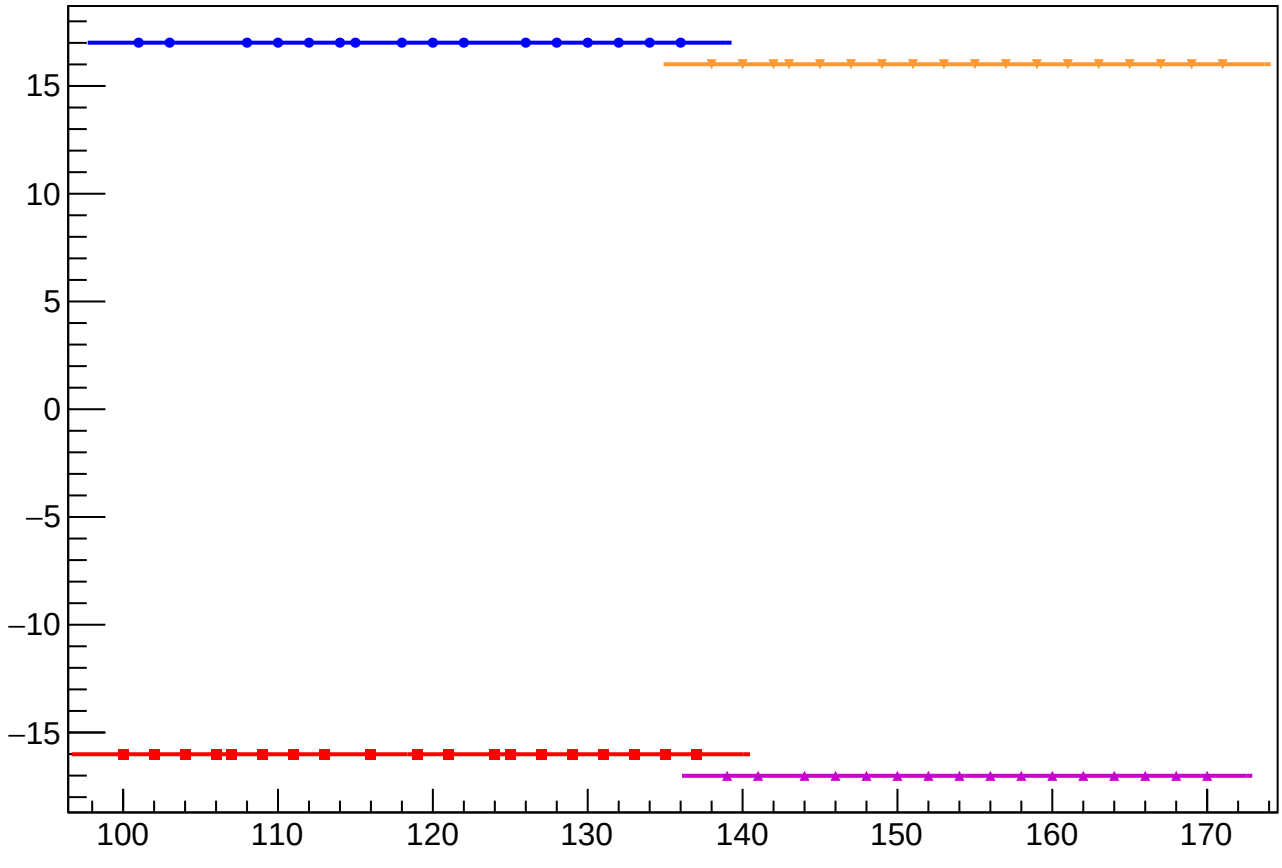
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -4.623+/-0.000 χ^2/NDF:463751956557045569

Out: 5.598+/-0.000 χ^2/NDF:532972182983625863

All: 0.604+/-0.000 χ^2/NDF: 11021860334703

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:109034345022865199333376.0/15

Left: 0.229+/-0.000 χ^2/NDF: 769565225144059894

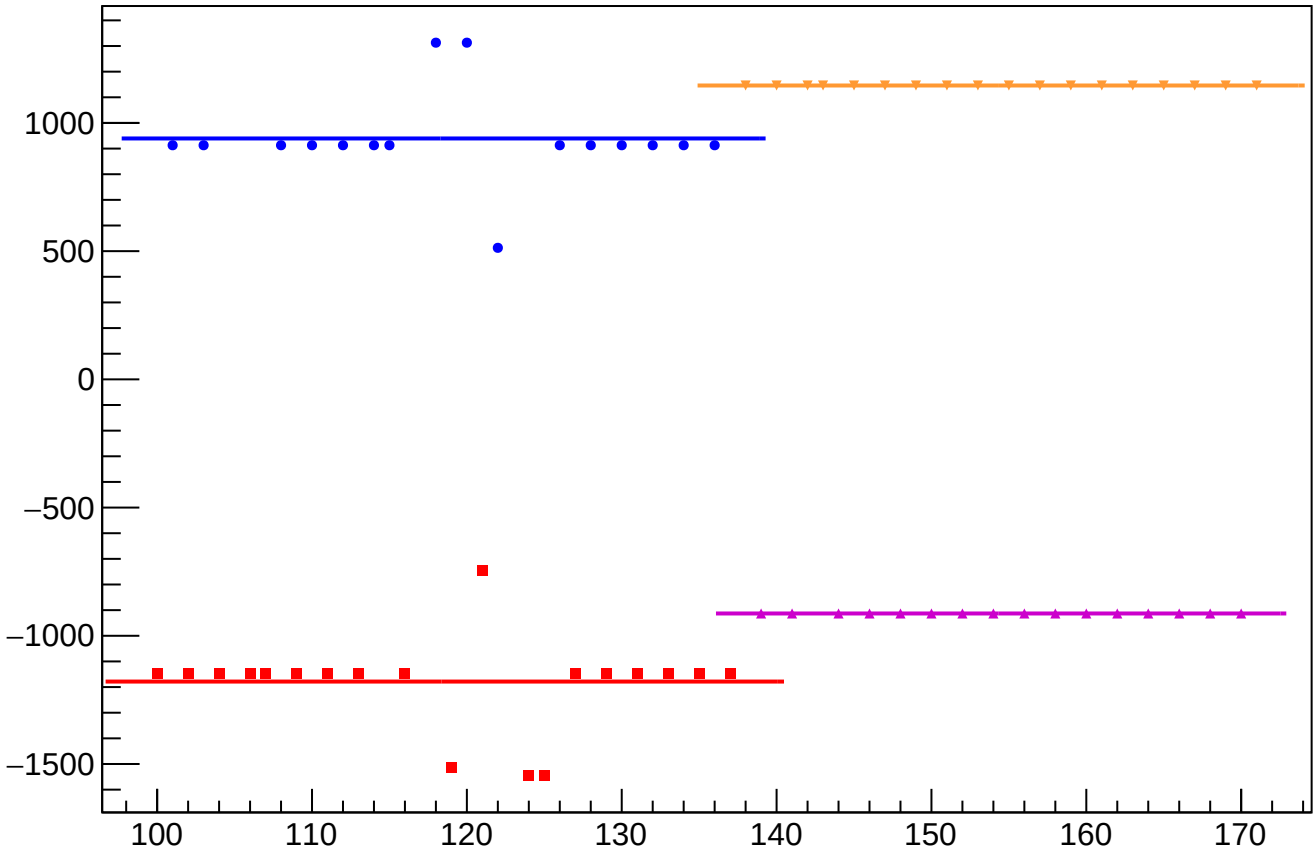
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -5.328+/-0.000 χ^2/NDF:537249973931915601

Out: 5.141+/-0.000 χ^2/NDF:513995383594222353

All: 0.122+/-0.000 χ^2/NDF: 1168730524440

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 157.199+/-0.000 χ^2/NDF: 3025452158487744

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: -263.676+/-0.000 χ^2/NDF:1672559228826008

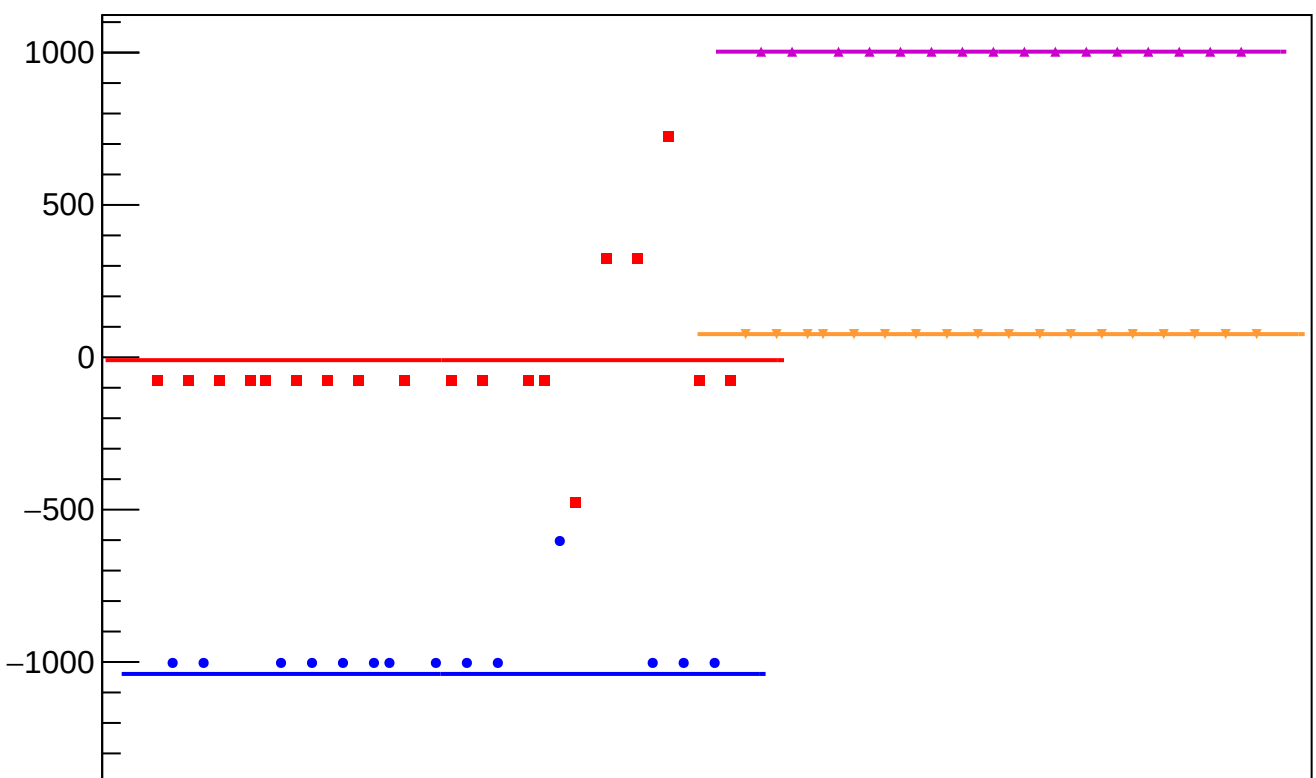
Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

Out: 357.389+/-0.000 χ^2/NDF:2746234060611854

Left In: -912.995+/-0.000 χ^2/NDF:17761477532087409565189013504.0/15

All: 56.465+/-0.000 χ^2/NDF: 4839116583959

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 521.181+/-0.000 χ^2/NDF: 6132174132775811

Right In: -1039.157+/-0.000 χ^2/NDF: 228703773085071640027081015550845911104.0/15

Right: -516.762+/-0.000 χ^2/NDF: 46752928412988

Left Out: 76.011+/-0.000 χ^2/NDF:9832083674506890711868112896.0/17

In: 287.176+/-0.000 χ^2/NDF:20299169164857345

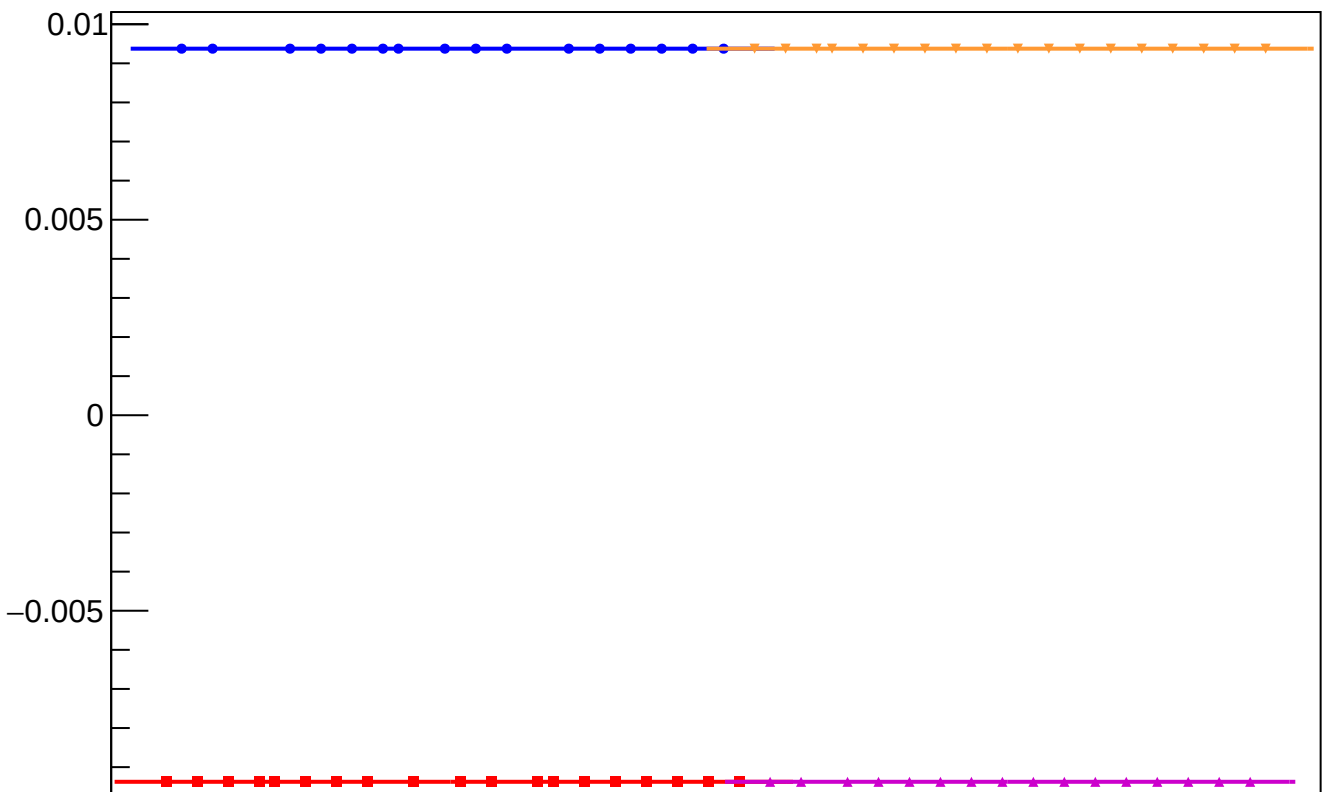
Right Out: -9.430+/-0.000 χ^2/NDF: 460573947349287664748937365260515409920/18

Out: 47.024+/-0.000 χ^2/NDF:49737721406550973

Left In: 1002.990+/-0.000 χ^2/NDF:22745077715414800597264629760/15

All: 163.385+/-0.000 χ^2/NDF: 21425009731

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:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 250886755640083042

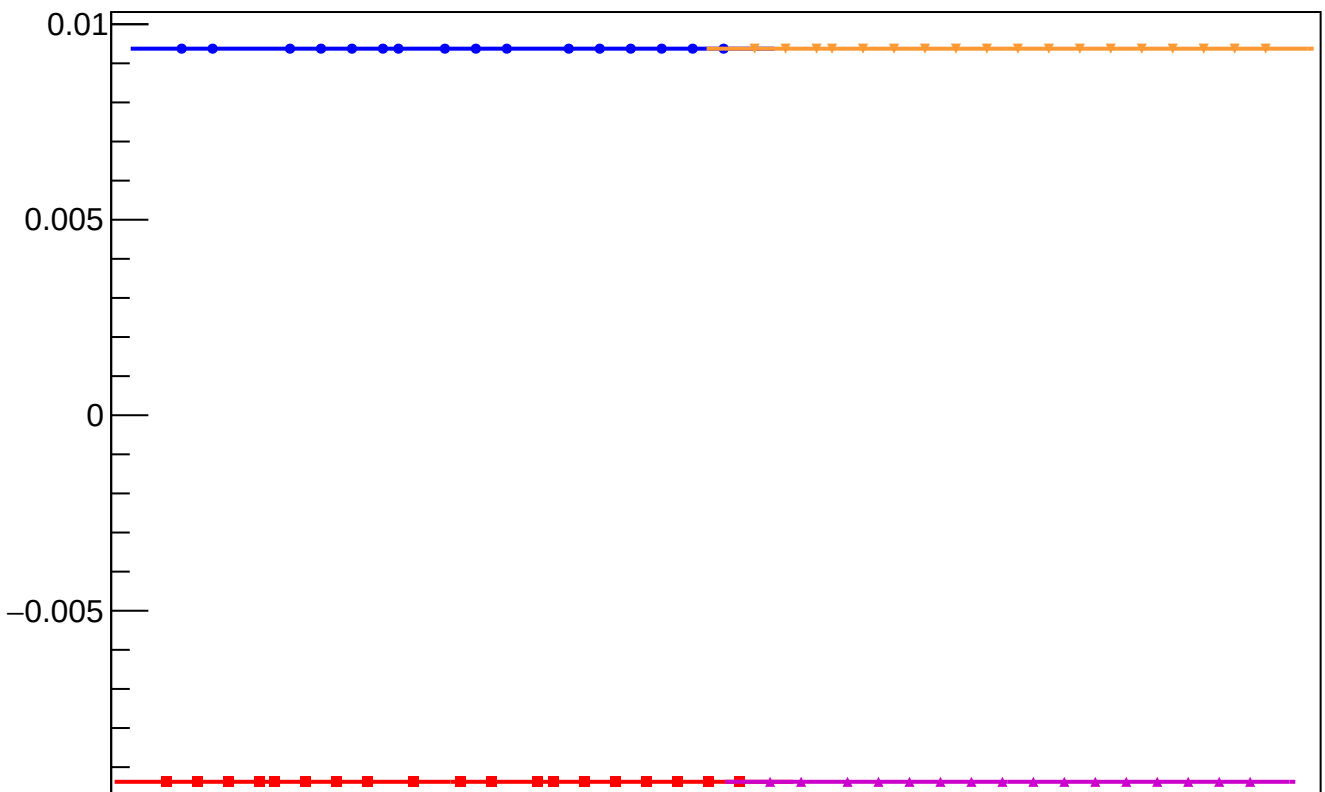
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 38329997994499

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:0.1/15

Left: 0.000+/-0.000 χ^2/NDF: 250886755640083042

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:169194525337038397

Out: 0.003+/-0.000 χ^2/NDF:177237834871053412

All: 0.000+/-0.000 χ^2/NDF: 38329997994499