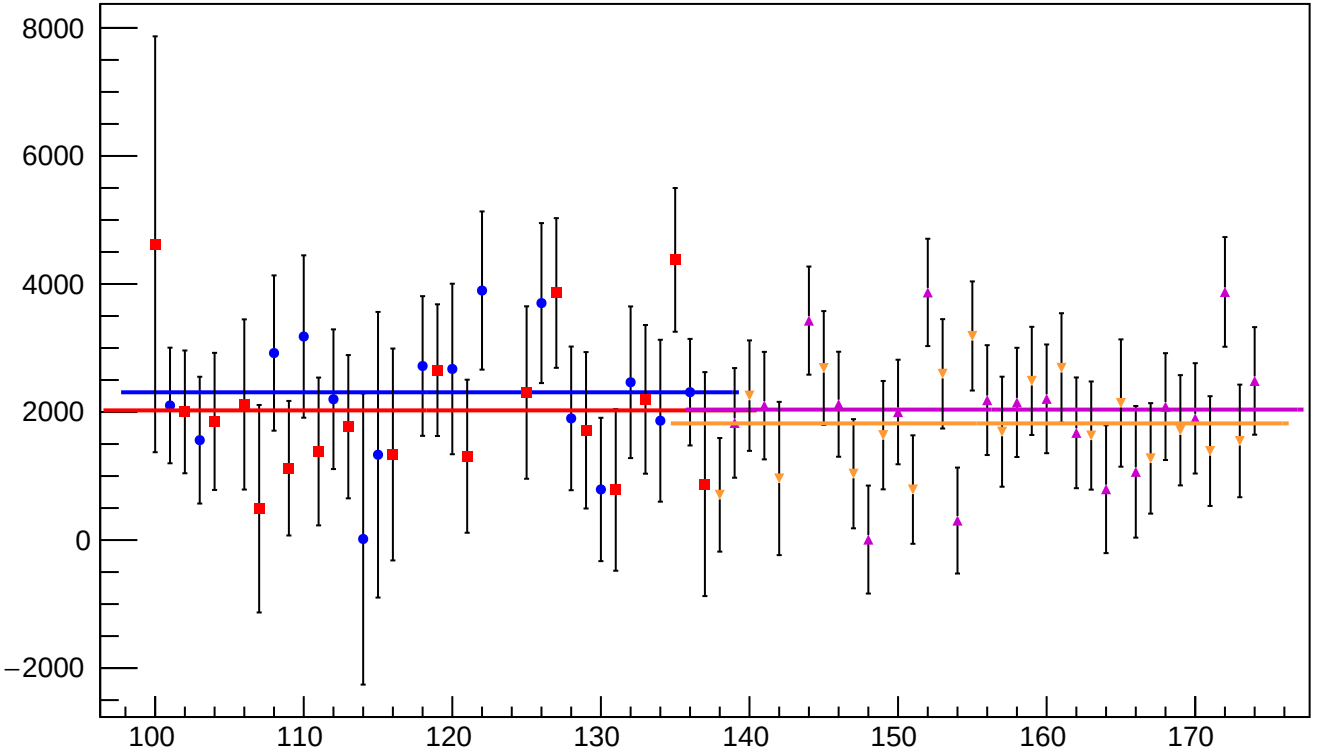
reg_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 2037.956+/-202.350 χ^2/NDF:25.4/17

Left: 1932.508+/-144.651 χ^2/NDF: 37.6/35

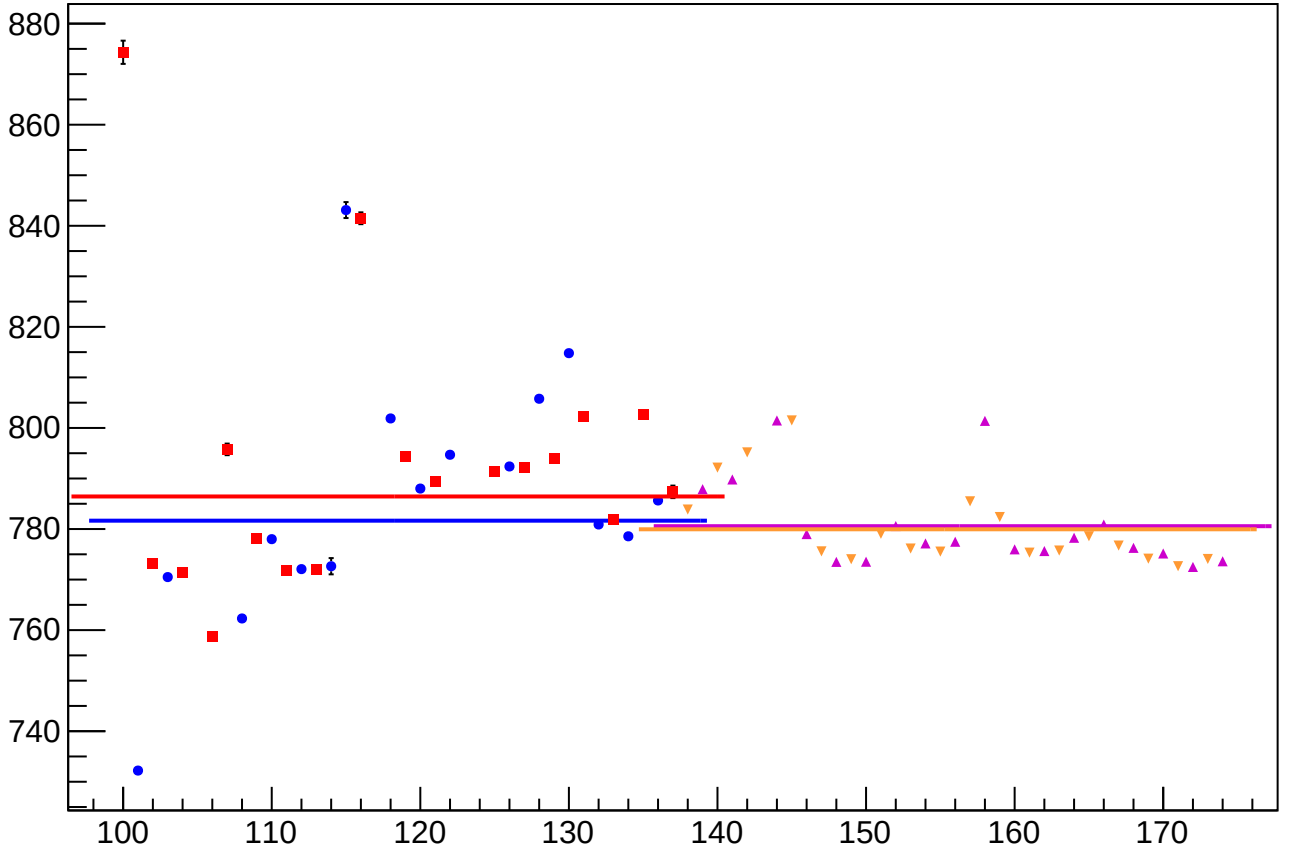
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2126.255+/-166.027 χ^2/NDF:33.7/33

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

All: 2010.241+/-118.217 χ^2/NDF: 58.7/69

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

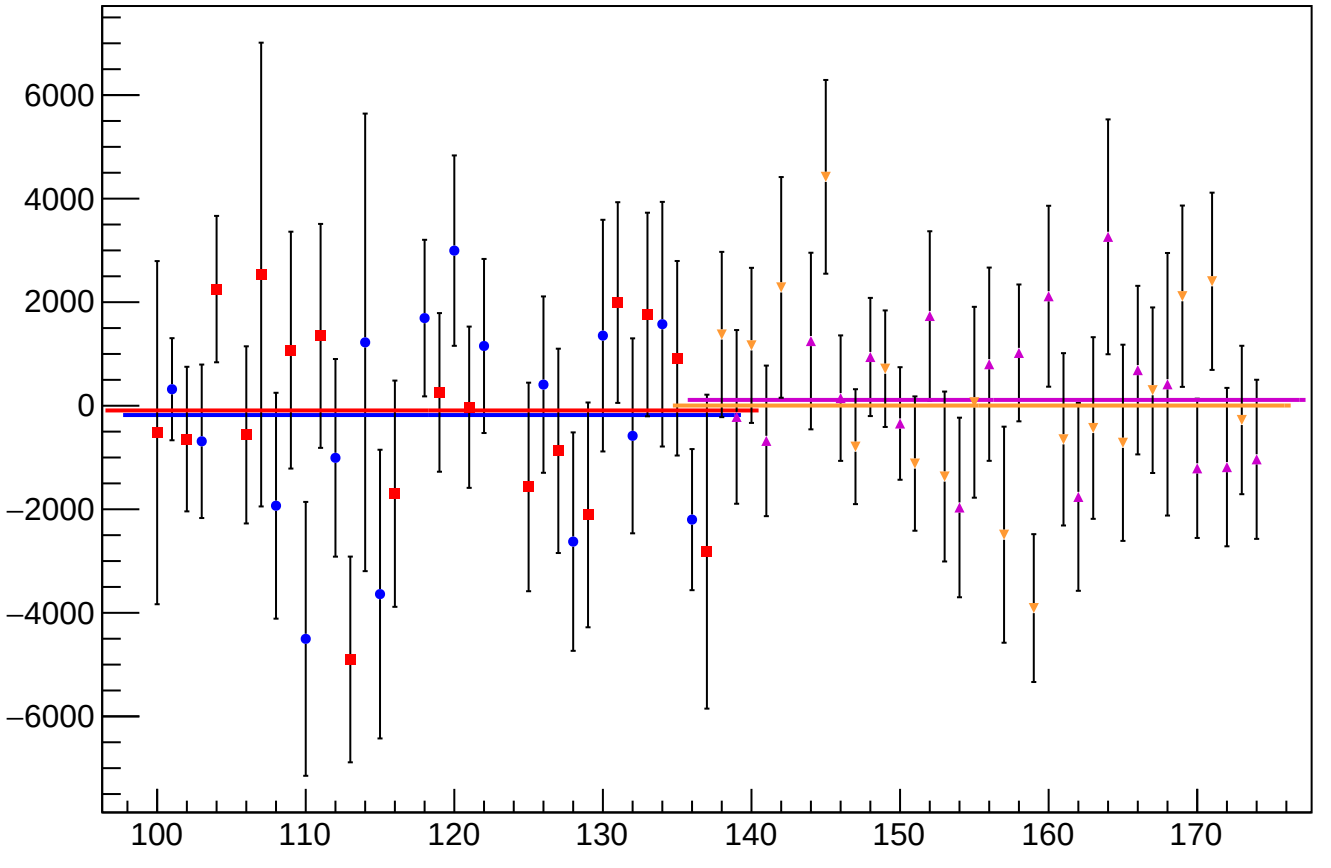
Left: 780.264+/-0.102 χ^2/NDF: 6497.4/35

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

In: 780.921+/-0.117 χ^2/NDF:16080.1/33

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

All: 781.523+/-0.084 χ^2/NDF: 26746.5/69



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

Left Out: 3.651+/-366.735 χ^2/NDF:23.2/17

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

Left In: 112.356+/-358.179 χ^2/NDF:11.2/17

Left: 59.286+/-256.242 χ^2/NDF: 34.4/35

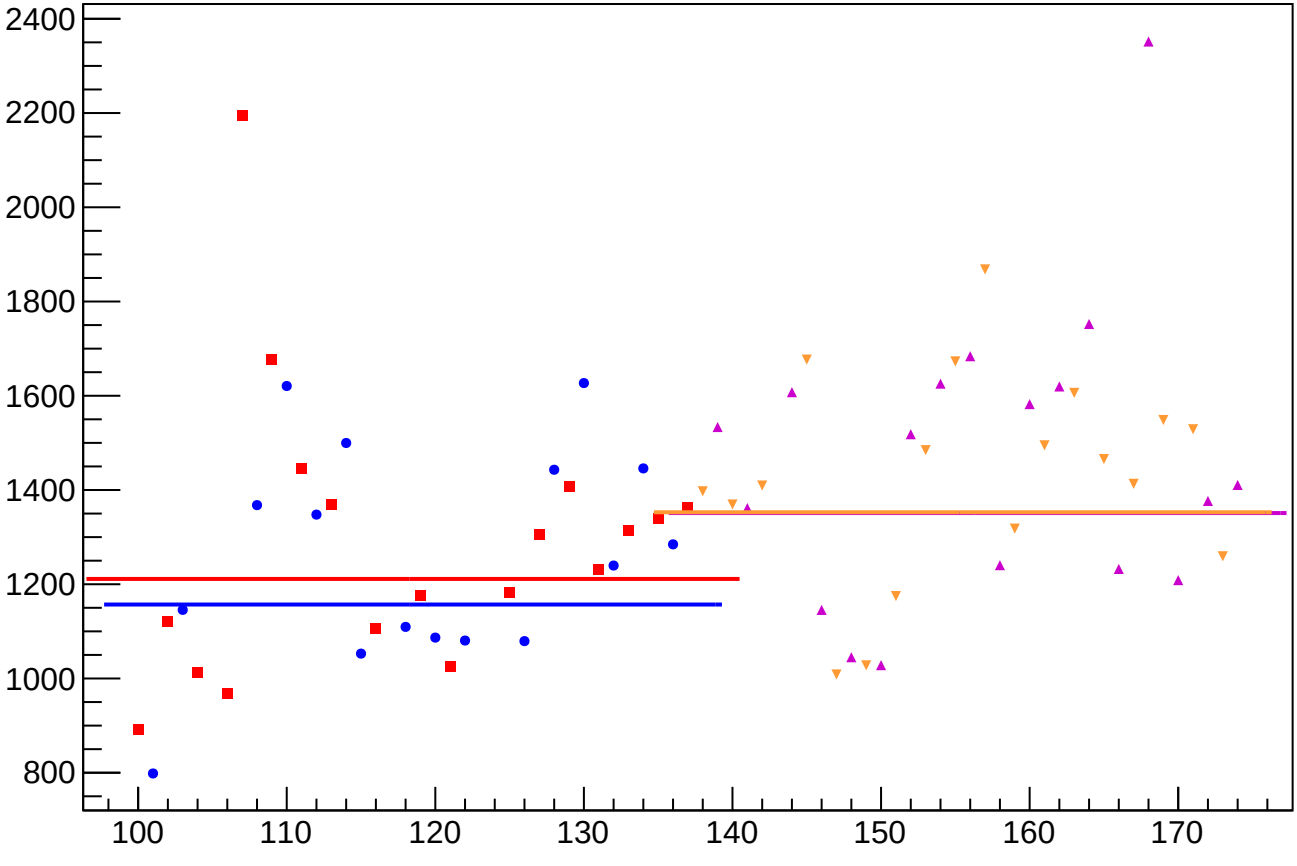
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -3.891+/-277.971 χ^2/NDF:26.9/33

Out: -33.756+/-285.486 χ^2/NDF:38.4/35

All: -18.425+/-199.159 χ^2/NDF: 65.3/69

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

Left: 1351.891+/-0.181 χ^2/NDF: 1862139.6/35

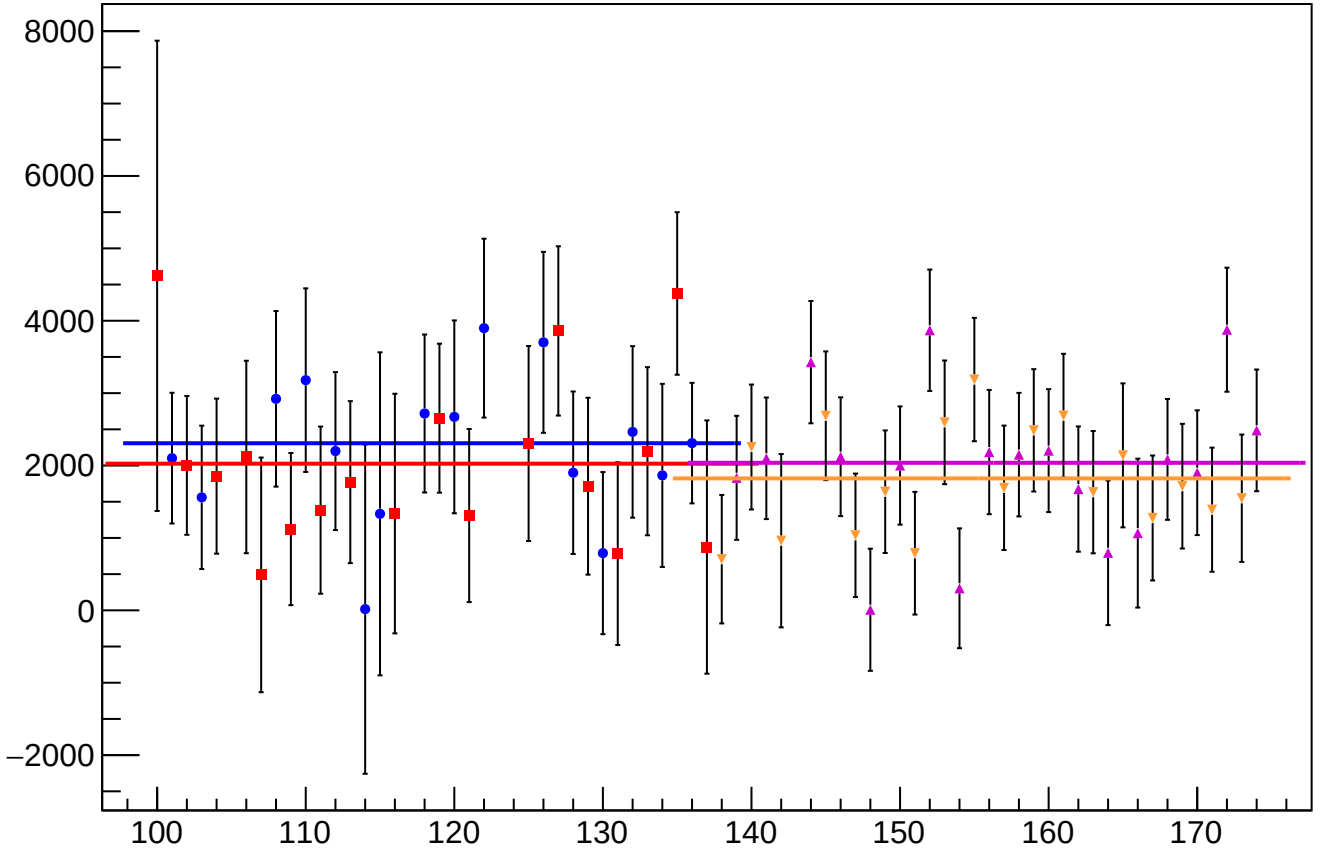
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1273.866+/-0.197 χ^2/NDF:1887649.8/33

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

All: 1285.126+/-0.141 χ^2/NDF: 3186633.5/69

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 2037.956+/-202.350 χ^2/NDF:25.4/17

Left: 1932.508+/-144.651 χ^2/NDF: 37.6/35

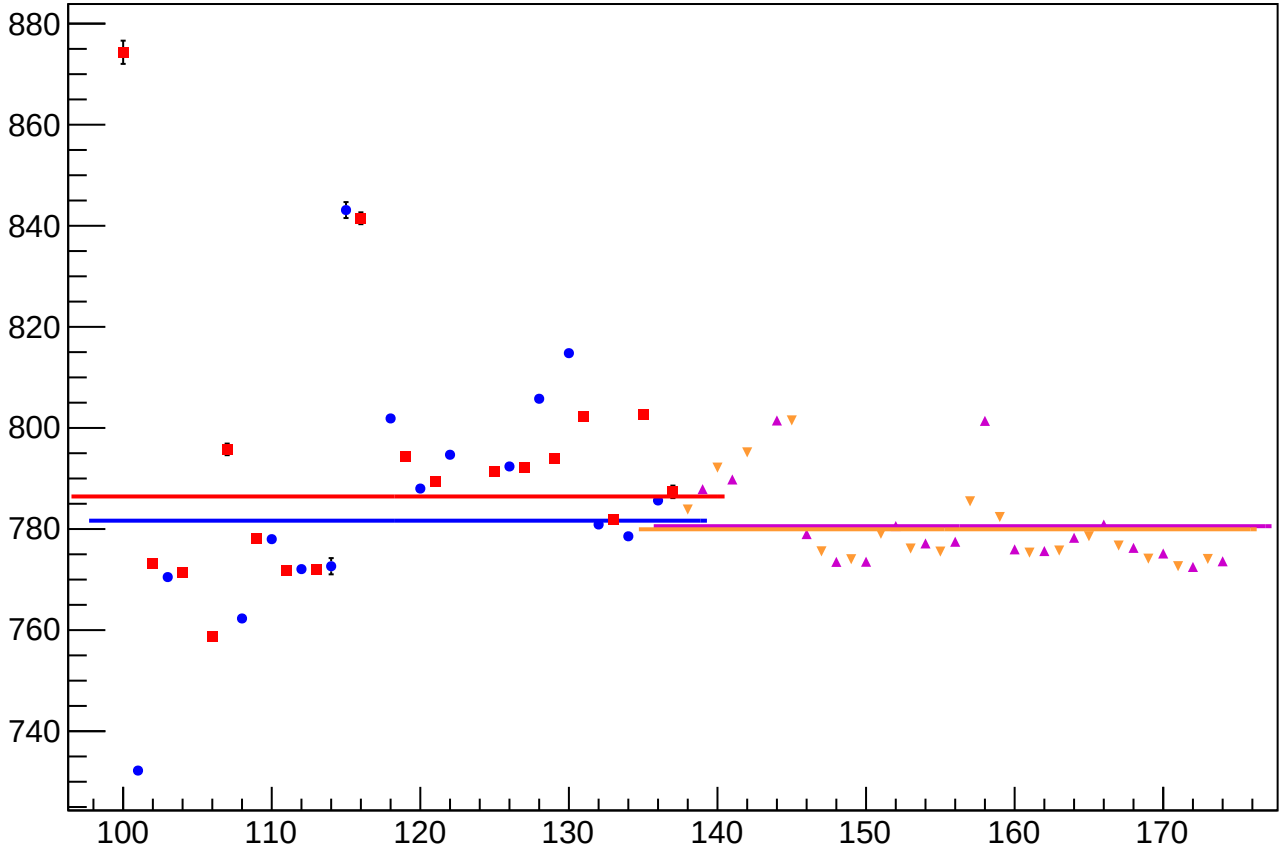
Right: 2166.582+/-205.141 χ^2/NDF: 20.2/33

In: 2126.255+/-166.027 χ^2/NDF:33.7/33

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

All: 2010.241+/-118.217 χ^2/NDF: 58.7/69

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

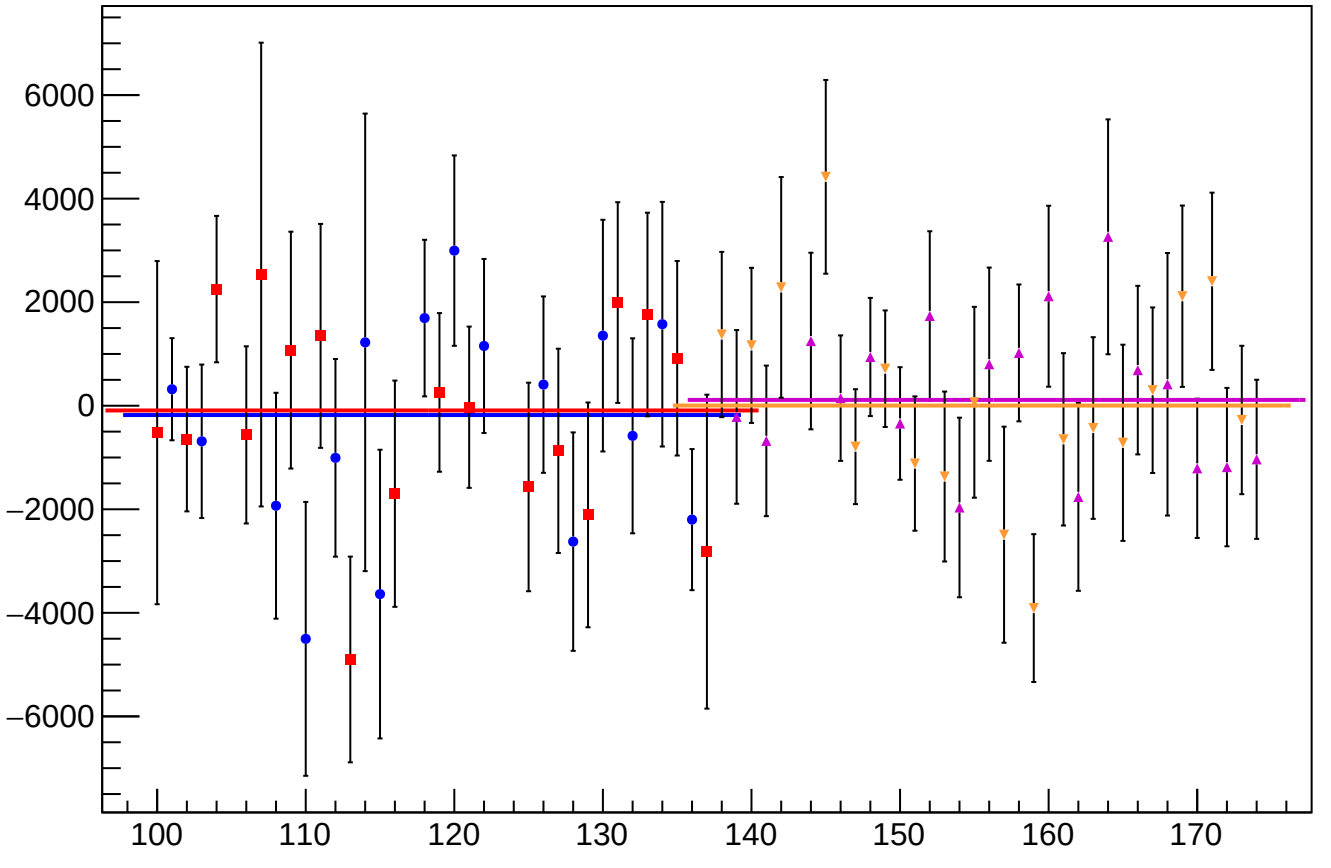
Left: 780.264+/-0.102 χ^2/NDF: 6497.4/35

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

In: 780.921+/-0.117 χ^2/NDF:16080.1/33

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

All: 781.523+/-0.084 χ^2/NDF: 26746.5/69



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

Left Out: 3.651+/-366.735 χ^2/NDF:23.2/17

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

Left In: 112.356+/-358.179 χ^2/NDF:11.2/17

Left: 59.286+/-256.242 χ^2/NDF: 34.4/35

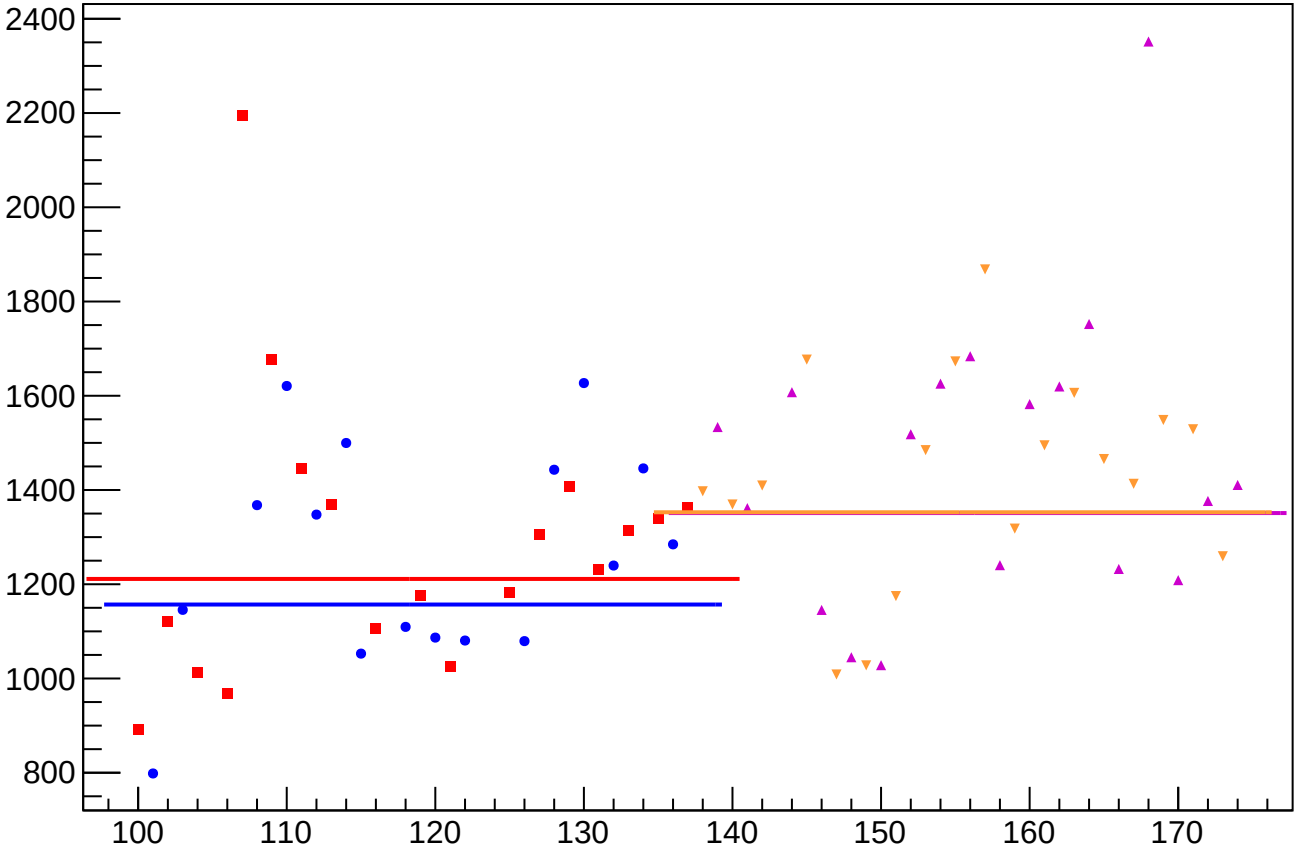
Right: -136.998+/-316.519 χ^2/NDF: 30.6/33

In: -3.891+/-277.971 χ^2/NDF:26.9/33

Out: -33.756+/-285.486 χ^2/NDF:38.4/35

All: -18.425+/-199.159 χ^2/NDF: 65.3/69

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

Left: 1351.891+/-0.181 χ^2/NDF: 1862139.6/35

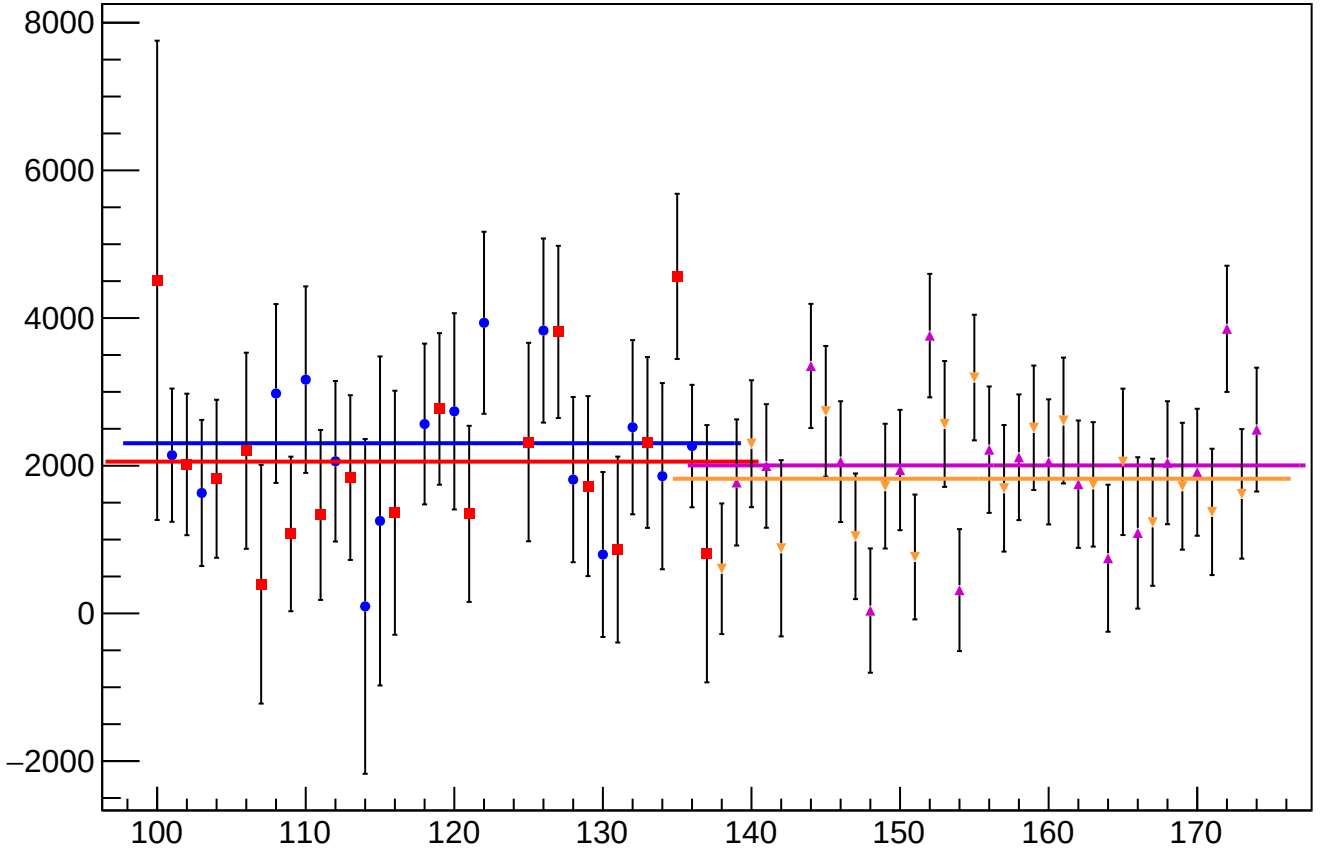
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1273.866+/-0.197 χ^2/NDF:1887649.8/33

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

All: 1285.126+/-0.141 χ^2/NDF: 3186633.5/69

overload_cor_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 2004.279+/-201.830 χ^2/NDF:24.3/17

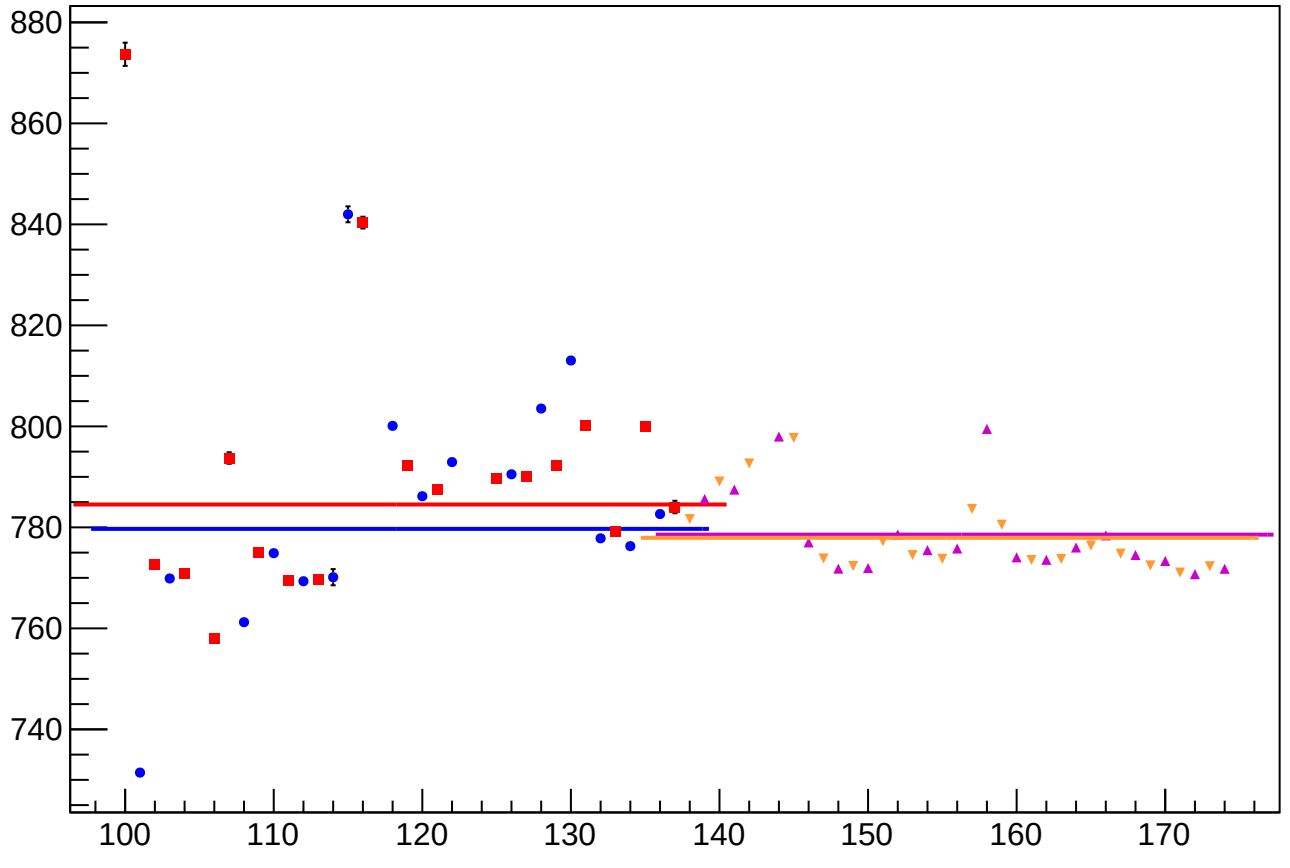
Left: 1915.998+/-144.277 χ^2/NDF: 36.8/35

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

In: 2102.495+/-165.603 χ^2/NDF:33.1/33

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

All: 2003.655+/-117.916 χ^2/NDF: 59.2/69



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

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

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

Left In: 778.561+/-0.143 χ^2/NDF:3509.4/17

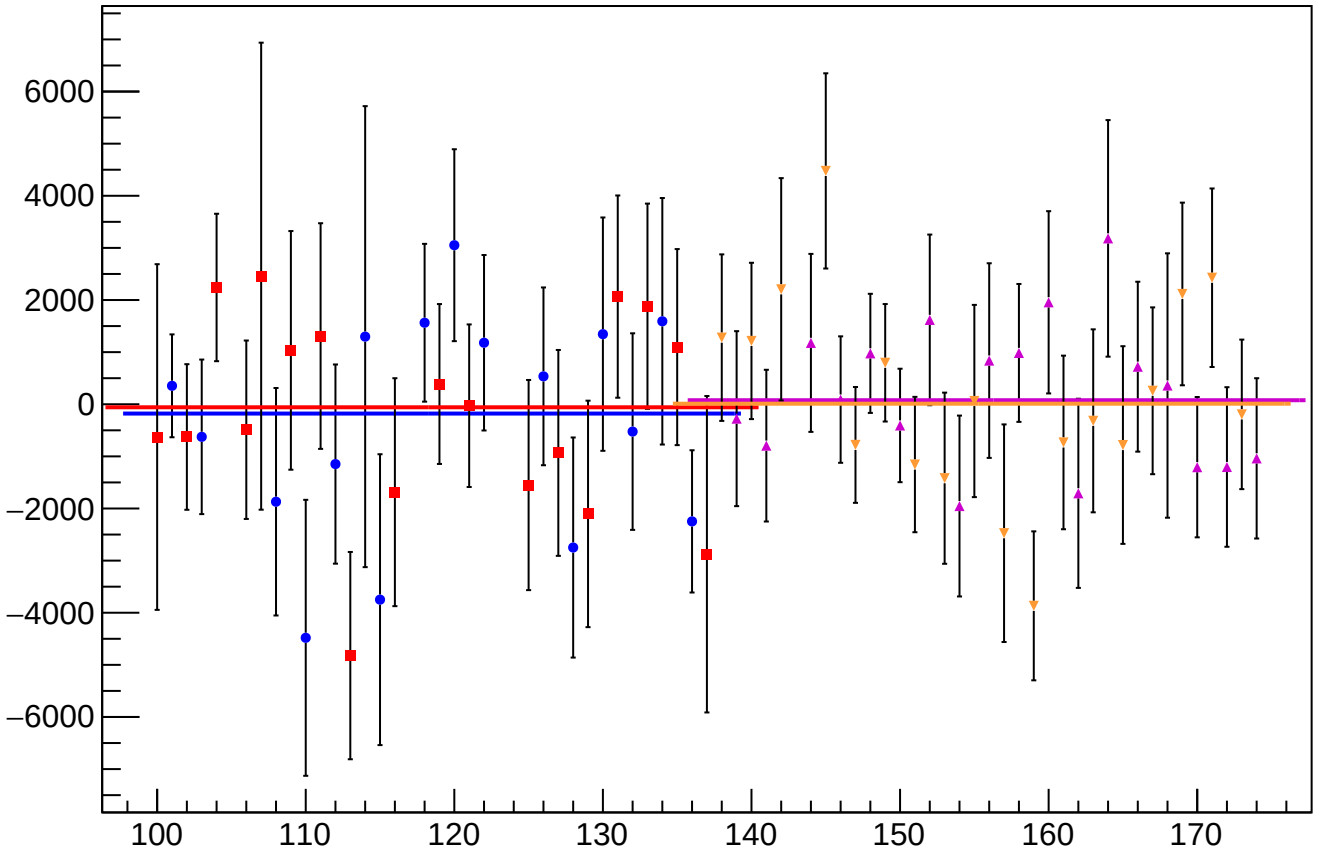
Left: 778.254+/-0.102 χ^2/NDF: 5945.1/35

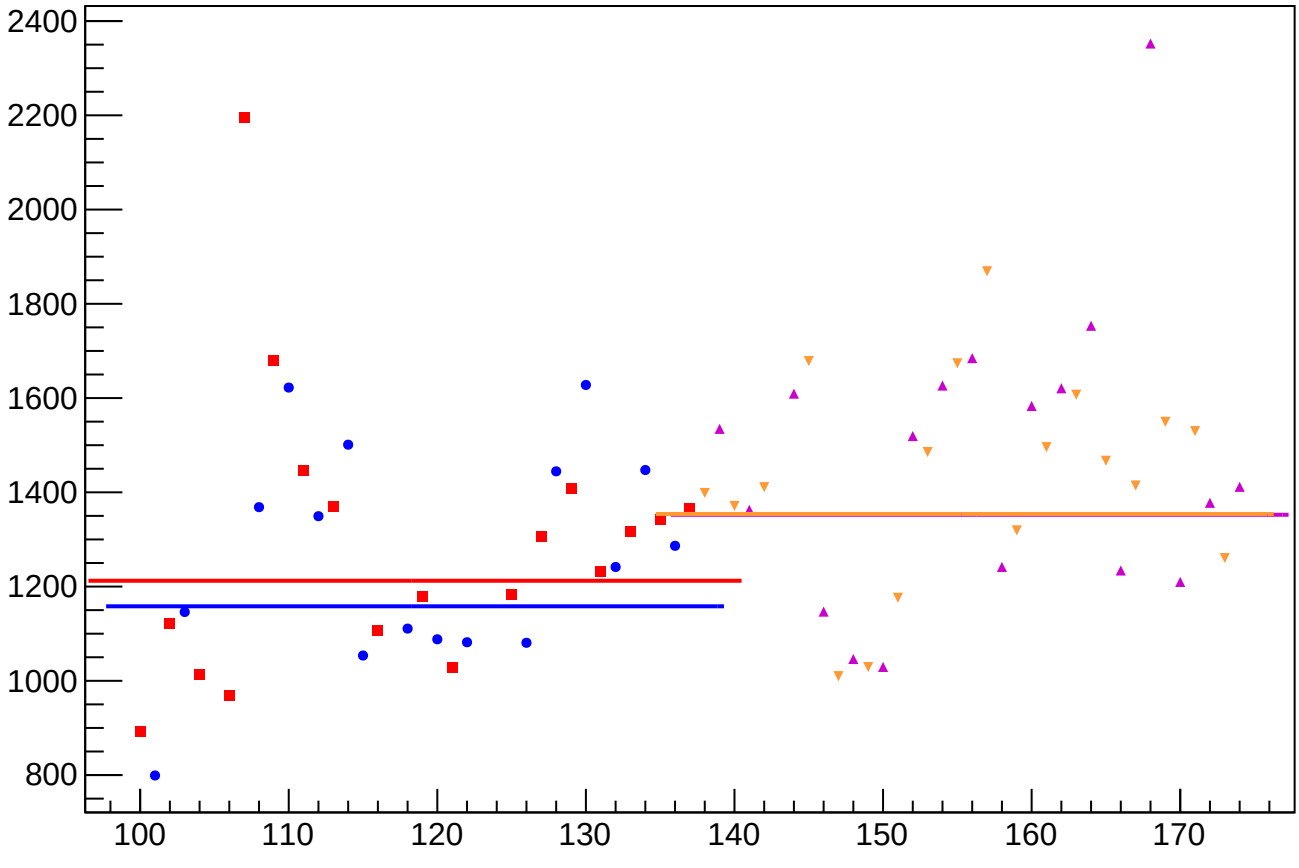
Right: 782.118+/-0.145 χ^2/NDF: 19498.0/33

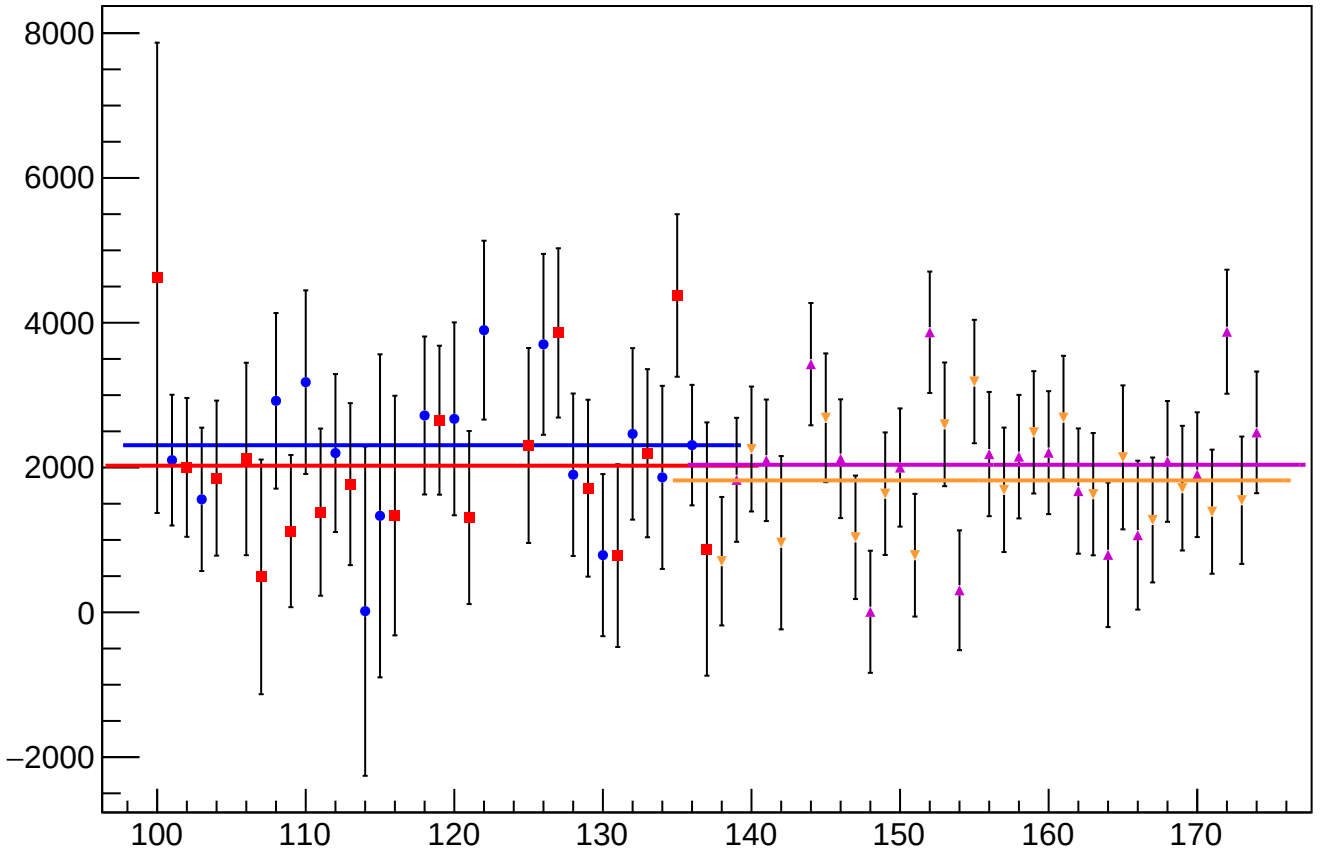
In: 778.934+/-0.117 χ^2/NDF:15590.5/33

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

All: 779.537+/-0.083 χ^2/NDF: 25919.4/69


asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -178.457+/-441.218 χ²/NDF: 15.7/15
Left Out: 10.720+/-367.073 χ²/NDF:23.2/17
Right Out: -58.040+/-455.216 χ²/NDF: 15.3/17
Left In: 77.489+/-358.503 χ²/NDF:10.8/17
Left: 44.893+/-256.476 χ²/NDF: 34.1/35
Right: -120.128+/-316.821 χ²/NDF: 31.0/33
In: -24.292+/-278.235 χ²/NDF:26.7/33
Out: -16.373+/-285.746 χ²/NDF:38.5/35
All: -20.438+/-199.344 χ²/NDF: 65.2/69


asym_us_avg_overload_cor_correction_rms vs Slug, Sign Corrected
2400
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1158.134+/-0.312 χ²/NDF: 569144.8/15
Left Out: 1354.072+/-0.260 χ²/NDF:775104.3/17
Right Out: 1212.347+/-0.322 χ²/NDF: 397938.1/17
Left In: 1352.363+/-0.253 χ²/NDF:1082427.8/17
Left: 1353.197+/-0.181 χ²/NDF: 1857554.3/35
Right: 1184.394+/-0.224 χ²/NDF: 981708.9/33
In: 1275.125+/-0.197 χ²/NDF:1885022.5/33
Out: 1298.229+/-0.202 χ²/NDF:1290517.4/35
All: 1286.369+/-0.141 χ²/NDF: 3182251.4/69



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

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

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

Left In: 2037.956+/-202.350 χ^2/NDF:25.4/17

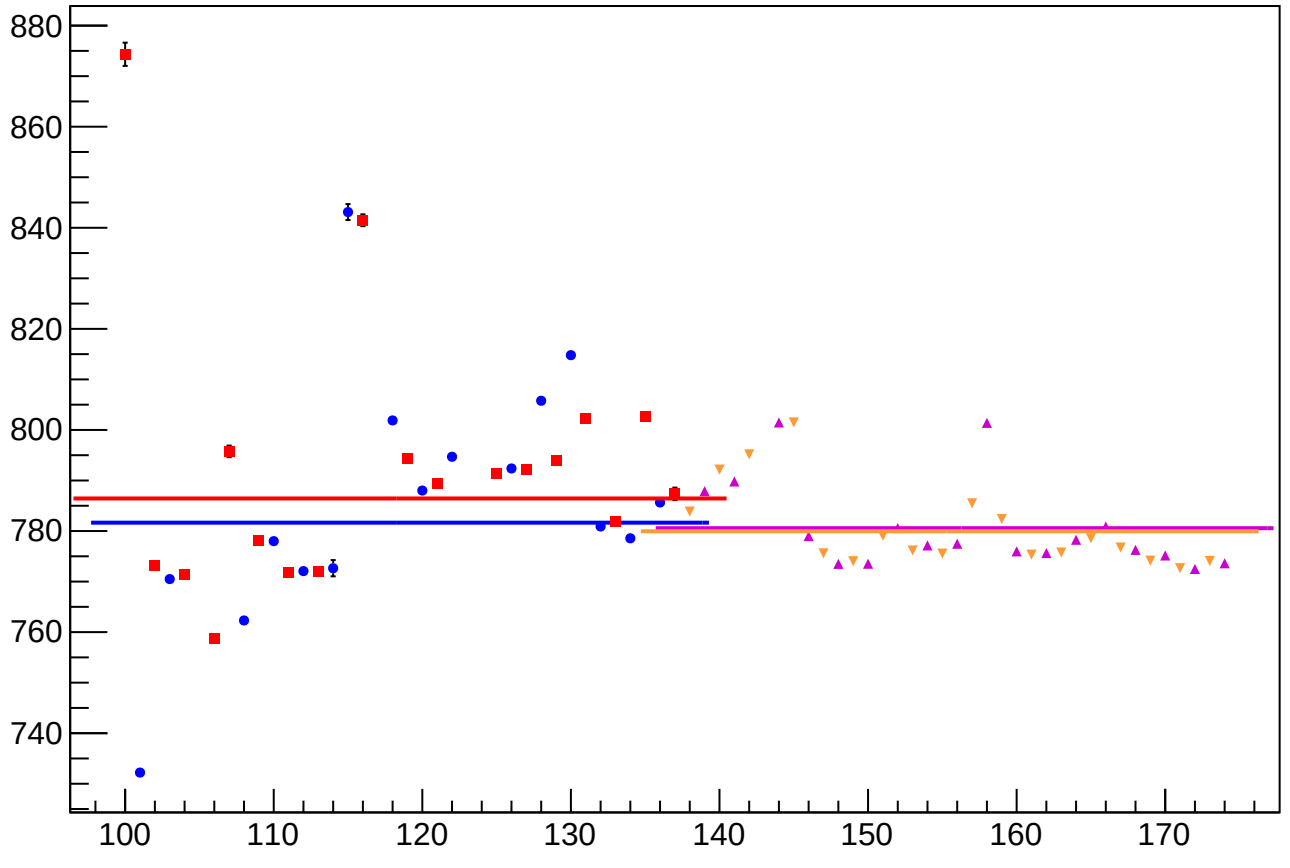
Left: 1932.508+/-144.651 χ^2/NDF: 37.6/35

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

In: 2126.255+/-166.027 χ^2/NDF:33.7/33

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

All: 2010.241+/-118.217 χ^2/NDF: 58.7/69



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

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

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

Left In: 780.565+/-0.143 χ^2/NDF:3742.1/17

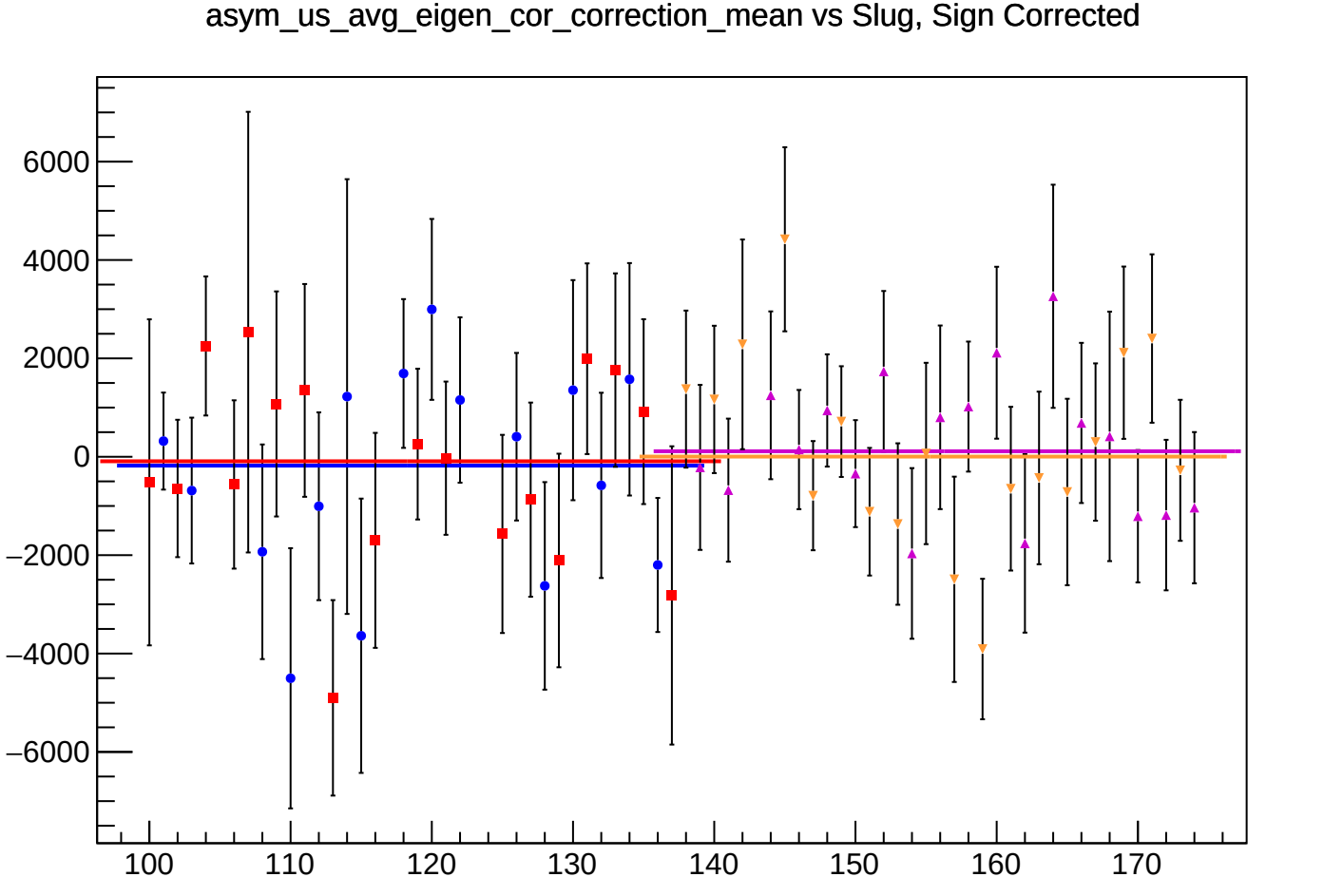
Left: 780.264+/-0.102 χ^2/NDF: 6497.4/35

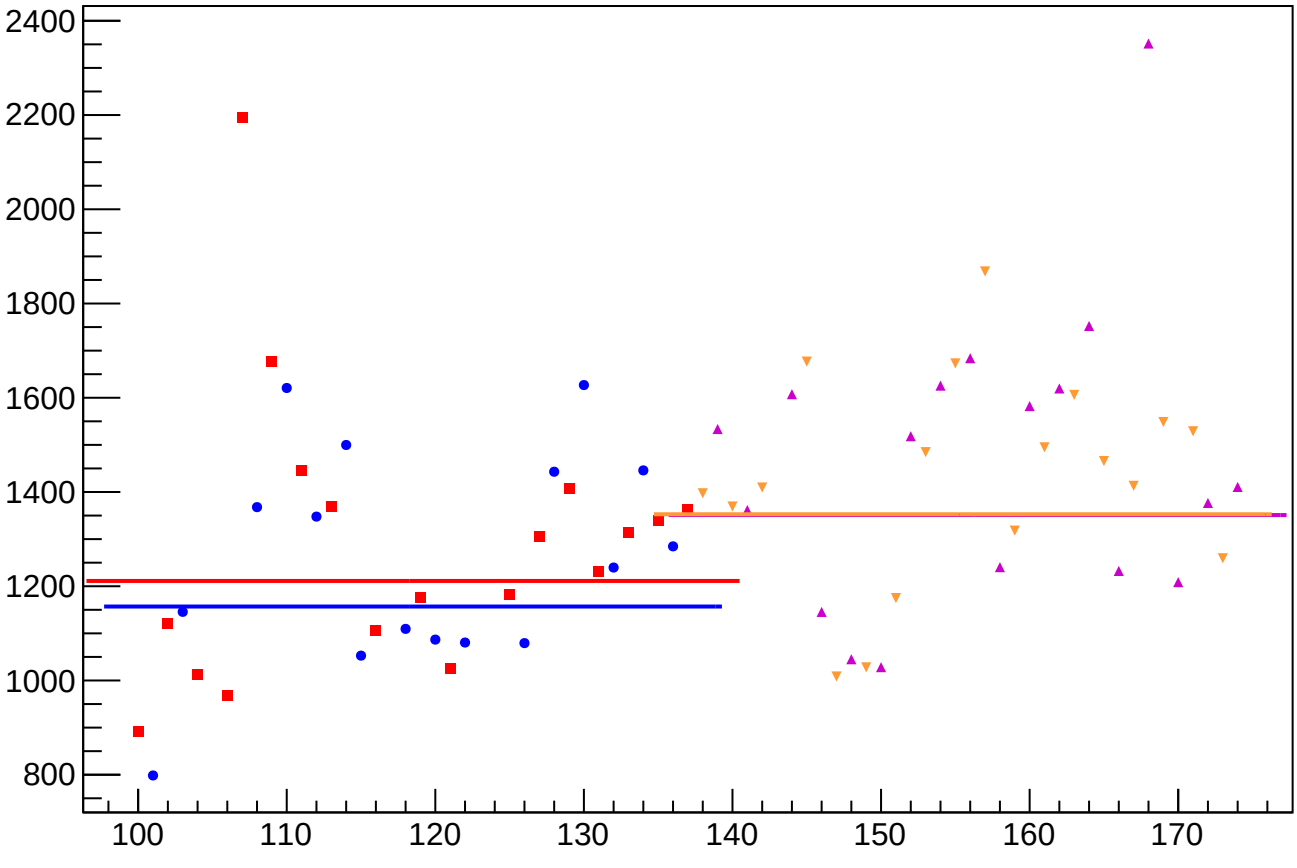
Right: 784.054+/-0.145 χ^2/NDF: 19793.2/33

In: 780.921+/-0.117 χ^2/NDF:16080.1/33

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

All: 781.523+/-0.084 χ^2/NDF: 26746.5/69


asym_us_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -179.929+/-440.772 χ²/NDF: 15.4/15
Left Out: 3.651+/-366.735 χ²/NDF:23.2/17
Right Out: -91.288+/-454.811 χ²/NDF: 15.2/17
Left In: 112.356+/-358.179 χ²/NDF:11.2/17
Left: 59.286+/-256.242 χ²/NDF: 34.4/35
Right: -136.998+/-316.519 χ²/NDF: 30.6/33
In: -3.891+/-277.971 χ²/NDF:26.9/33
Out: -33.756+/-285.486 χ²/NDF:38.4/35
All: -18.425+/-199.159 χ²/NDF: 65.3/69



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

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

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

Left In: 1351.072+/-0.253 χ^2/NDF:1084881.7/17

Left: 1351.891+/-0.181 χ^2/NDF: 1862139.6/35

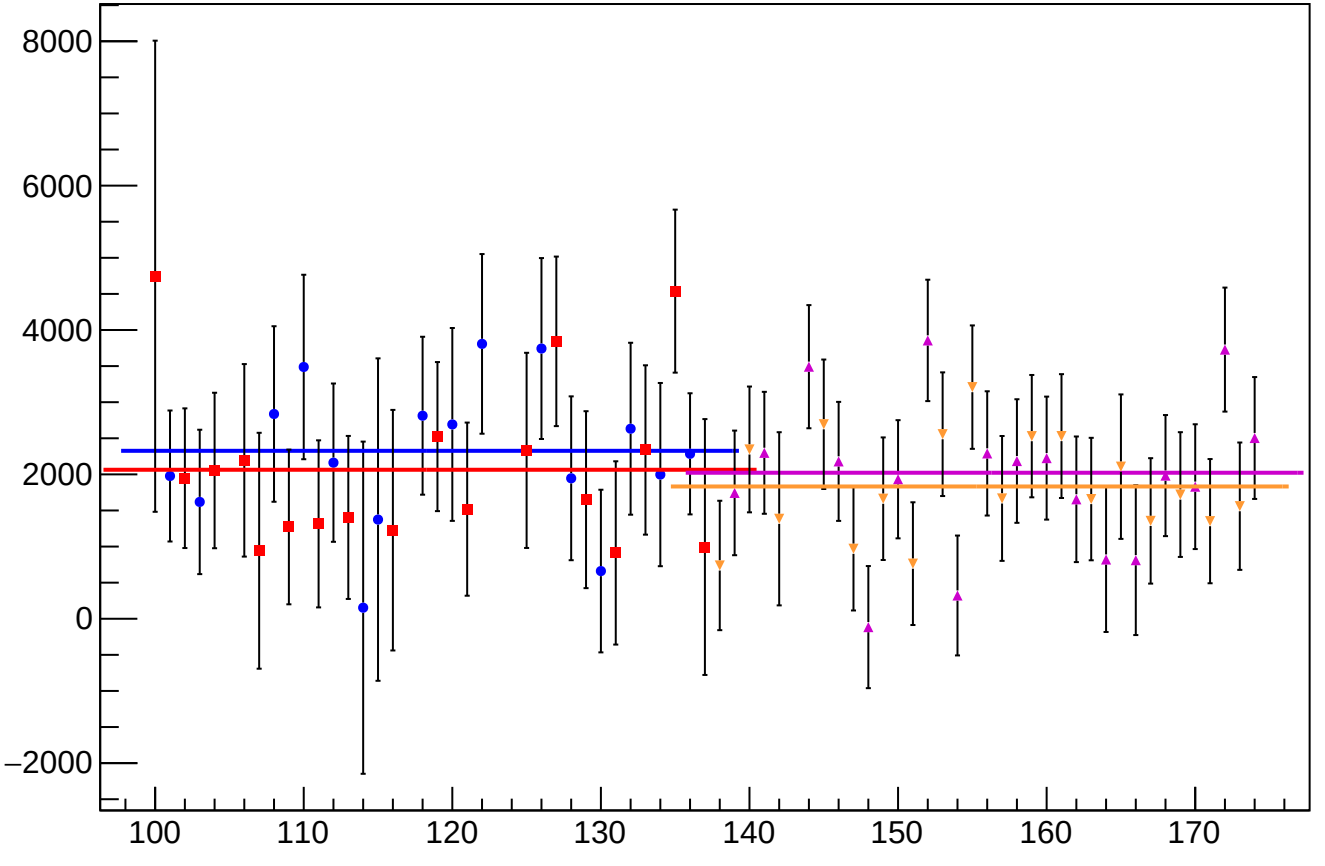
Right: 1183.255+/-0.224 χ^2/NDF: 981543.7/33

In: 1273.866+/-0.197 χ^2/NDF:1887649.8/33

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

All: 1285.126+/-0.141 χ^2/NDF: 3186633.5/69

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 2022.647+/-203.288 χ^2/NDF:26.1/17

Left: 1929.606+/-145.330 χ^2/NDF: 37.5/35

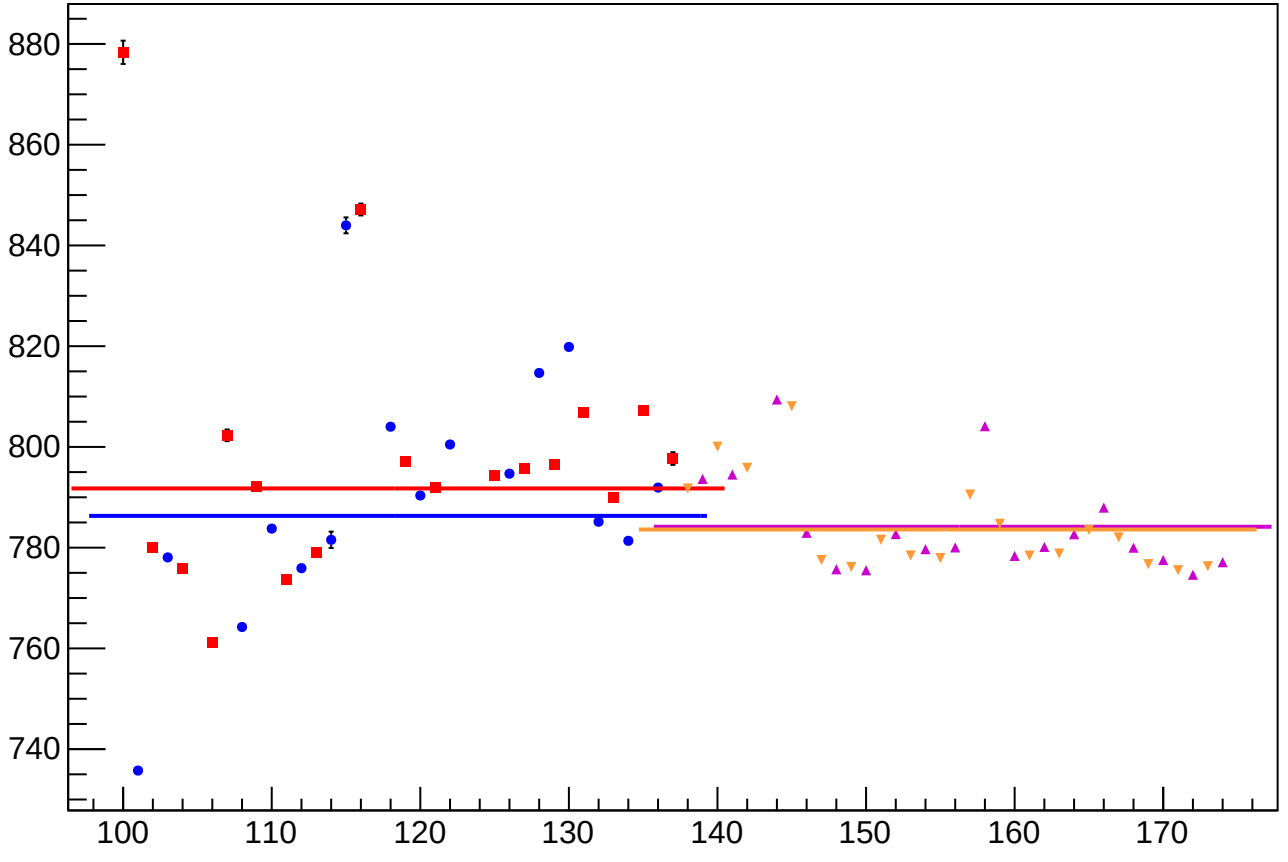
Right: 2195.030+/-206.463 χ^2/NDF: 20.2/33

In: 2121.739+/-166.871 χ^2/NDF:34.9/33

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

All: 2017.546+/-118.841 χ^2/NDF: 58.8/69

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 784.150+/-0.144 χ^2/NDF:4637.8/17

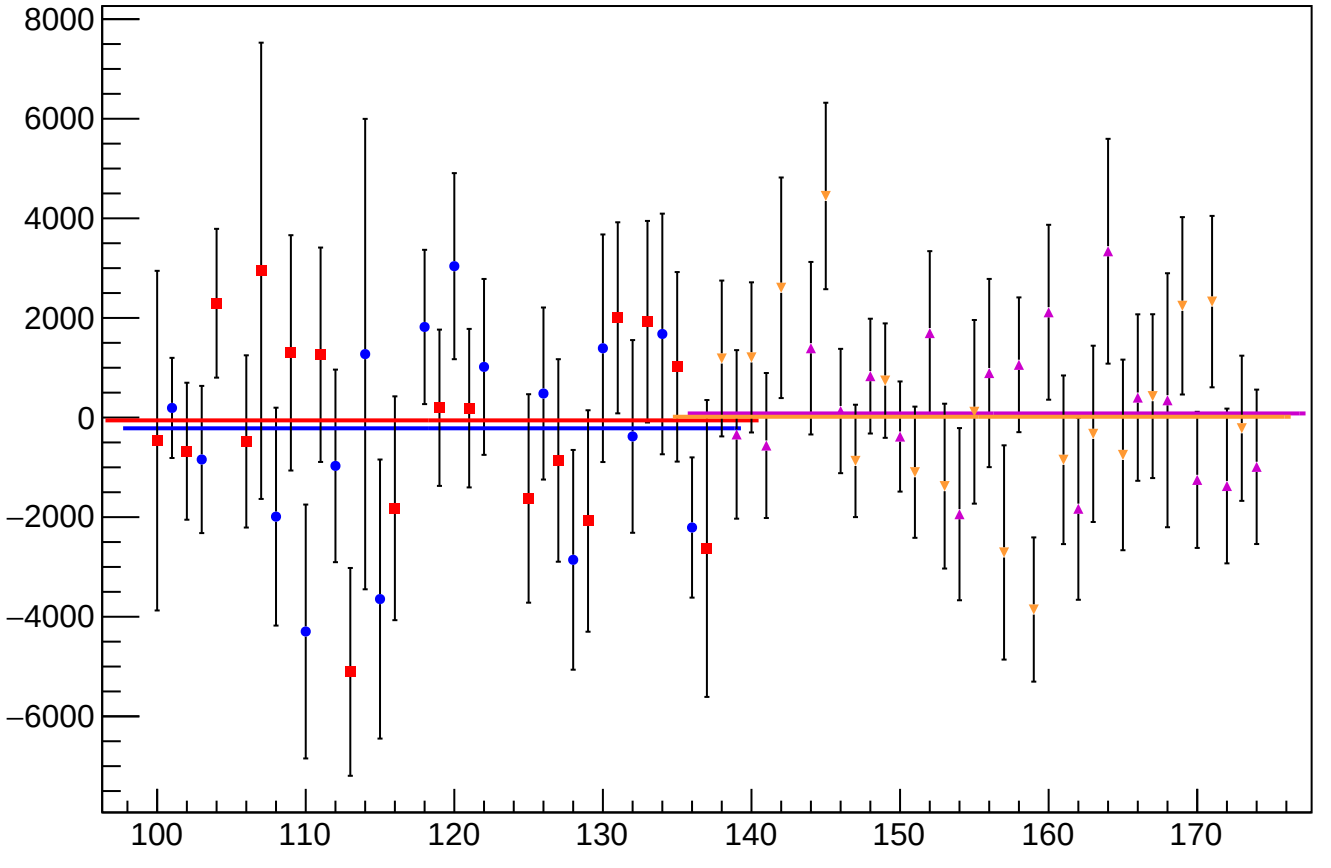
Left: 783.885+/-0.103 χ^2/NDF: 8361.0/35

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

In: 784.855+/-0.118 χ^2/NDF:17282.5/33

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

All: 785.591+/-0.084 χ^2/NDF: 29127.9/69



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

Left Out: 15.807+/-371.565 χ^2/NDF:23.3/17

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

Left In: 82.325+/-362.889 χ^2/NDF:11.3/17

Left: 49.852+/-259.614 χ^2/NDF: 34.6/35

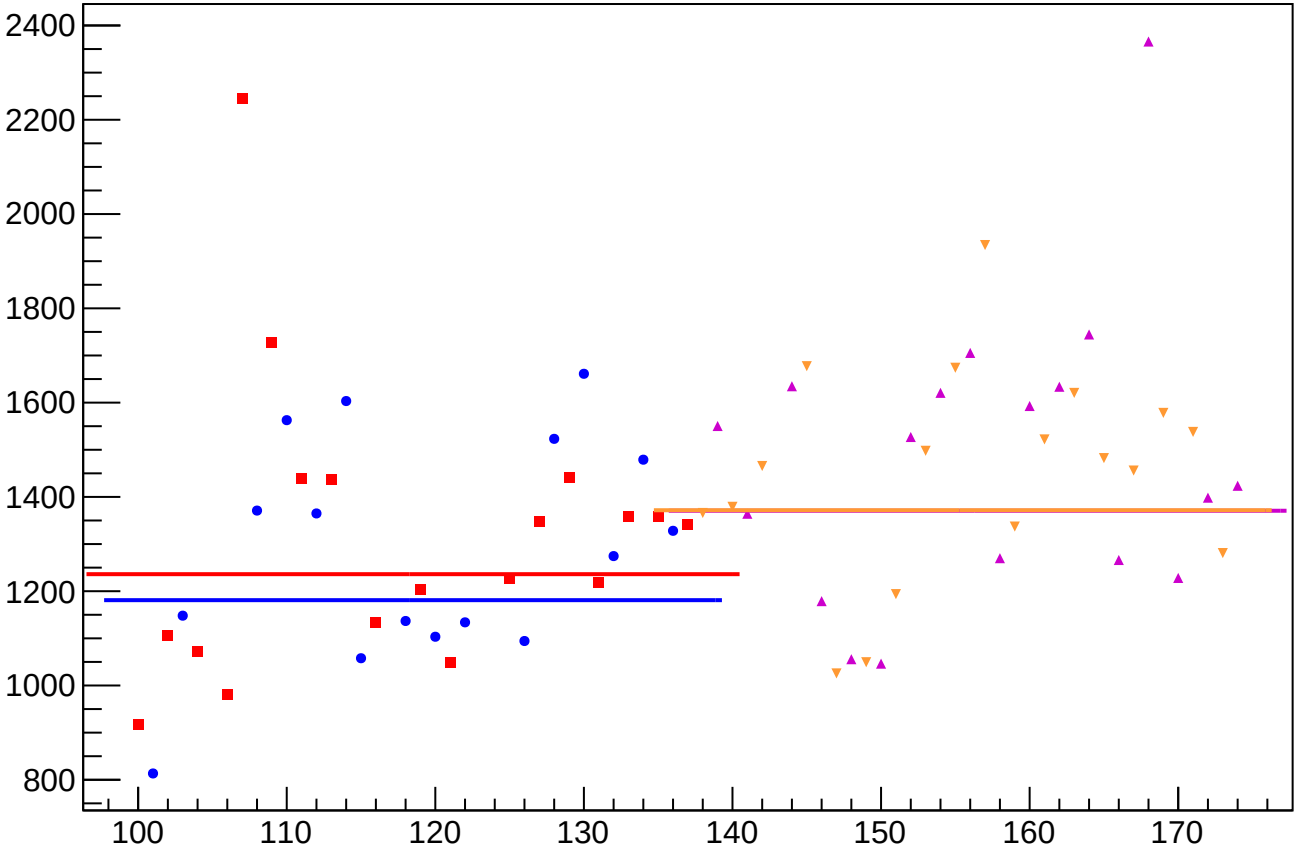
Right: -139.003+/-322.855 χ^2/NDF: 30.5/33

In: -35.451+/-282.367 χ^2/NDF:26.9/33

Out: -12.557+/-290.027 χ^2/NDF:38.4/35

All: -24.310+/-202.318 χ^2/NDF: 65.3/69

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1371.750+/-0.263 χ^2/NDF:762808.2/17

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

Left In: 1370.659+/-0.257 χ^2/NDF:1036752.9/17

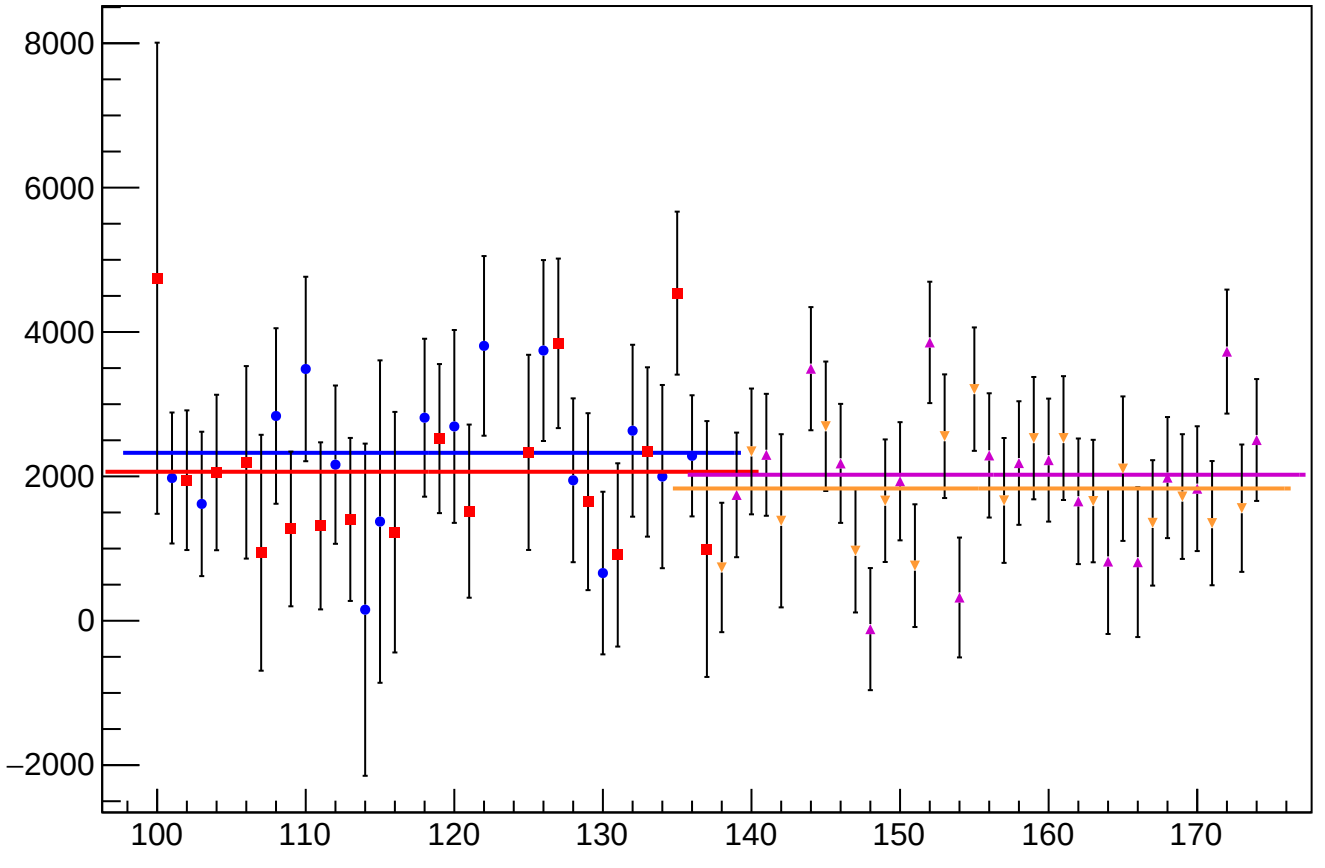
Left: 1371.191+/-0.184 χ^2/NDF: 1799569.9/35

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

In: 1295.829+/-0.200 χ^2/NDF:1823404.3/33

Out: 1318.760+/-0.205 χ^2/NDF:1264152.5/35

All: 1306.988+/-0.143 χ^2/NDF: 3093975.5/69



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

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

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

Left In: 2022.648+/-203.288 χ^2/NDF:26.1/17

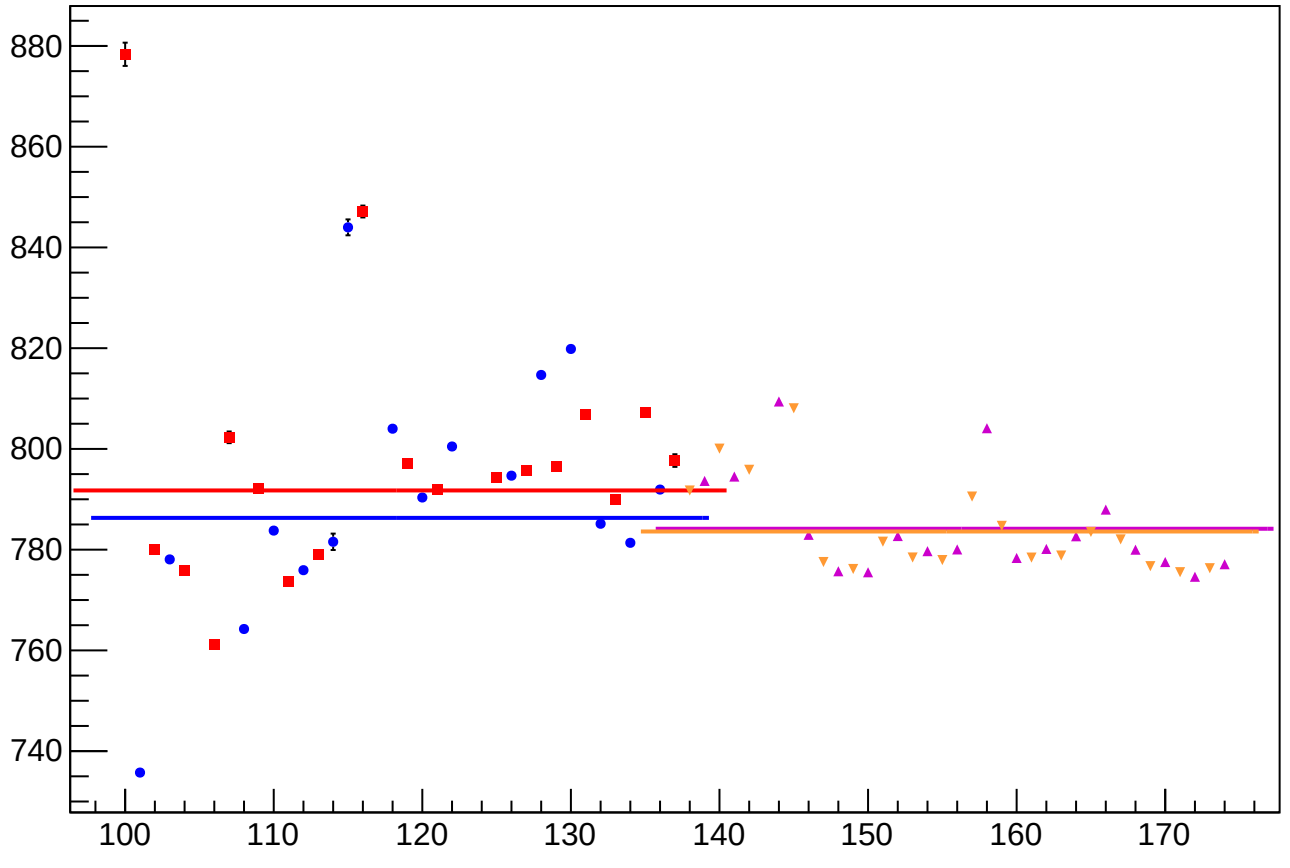
Left: 1929.605+/-145.330 χ^2/NDF: 37.5/35

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

In: 2121.739+/-166.871 χ^2/NDF:34.9/33

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

All: 2017.545+/-118.841 χ^2/NDF: 58.8/69



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

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

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

Left In: 784.150+/-0.144 χ^2/NDF:4637.9/17

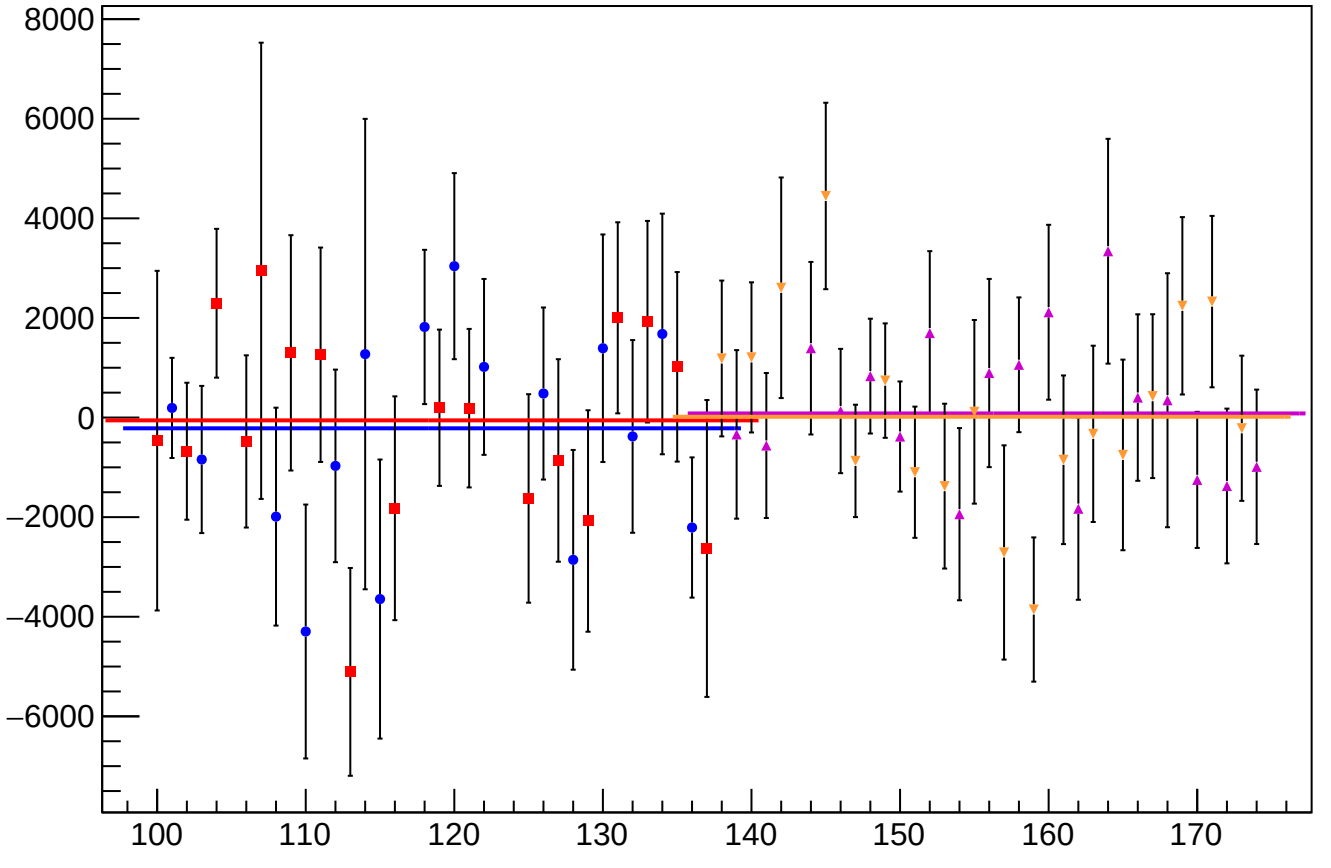
Left: 783.885+/-0.103 χ^2/NDF: 8361.0/35

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

In: 784.854+/-0.118 χ^2/NDF:17282.5/33

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

All: 785.591+/-0.084 χ^2/NDF: 29127.8/69



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

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

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

Left In: 82.325+/-362.890 χ^2/NDF:11.3/17

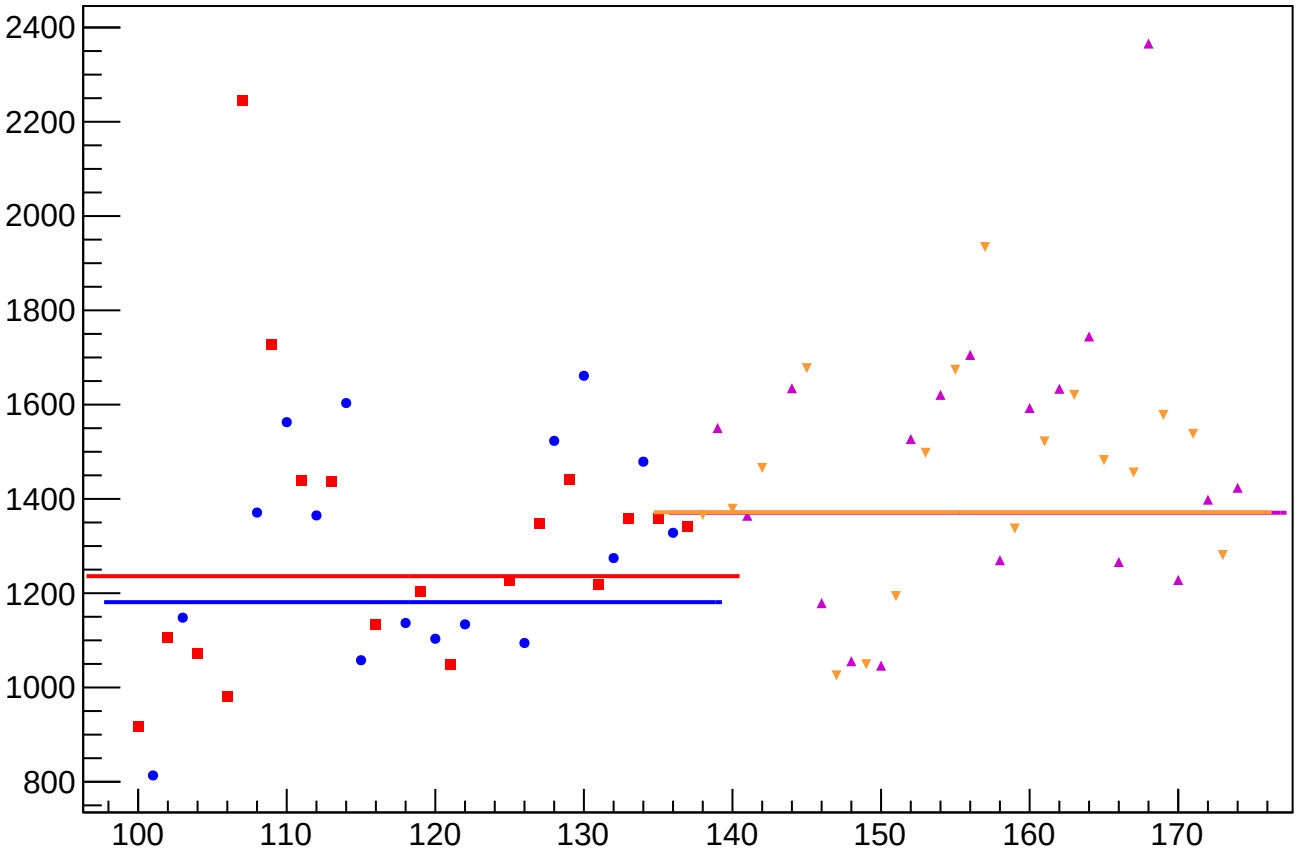
Left: 49.850+/-259.615 χ^2/NDF: 34.6/35

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

In: -35.451+/-282.367 χ^2/NDF:26.9/33

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

All: -24.311+/-202.318 χ^2/NDF: 65.3/69



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

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

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

Left In: 1370.661+/-0.257 χ^2/NDF:1036753.8/17

Left: 1371.194+/-0.184 χ^2/NDF: 1799572.6/35

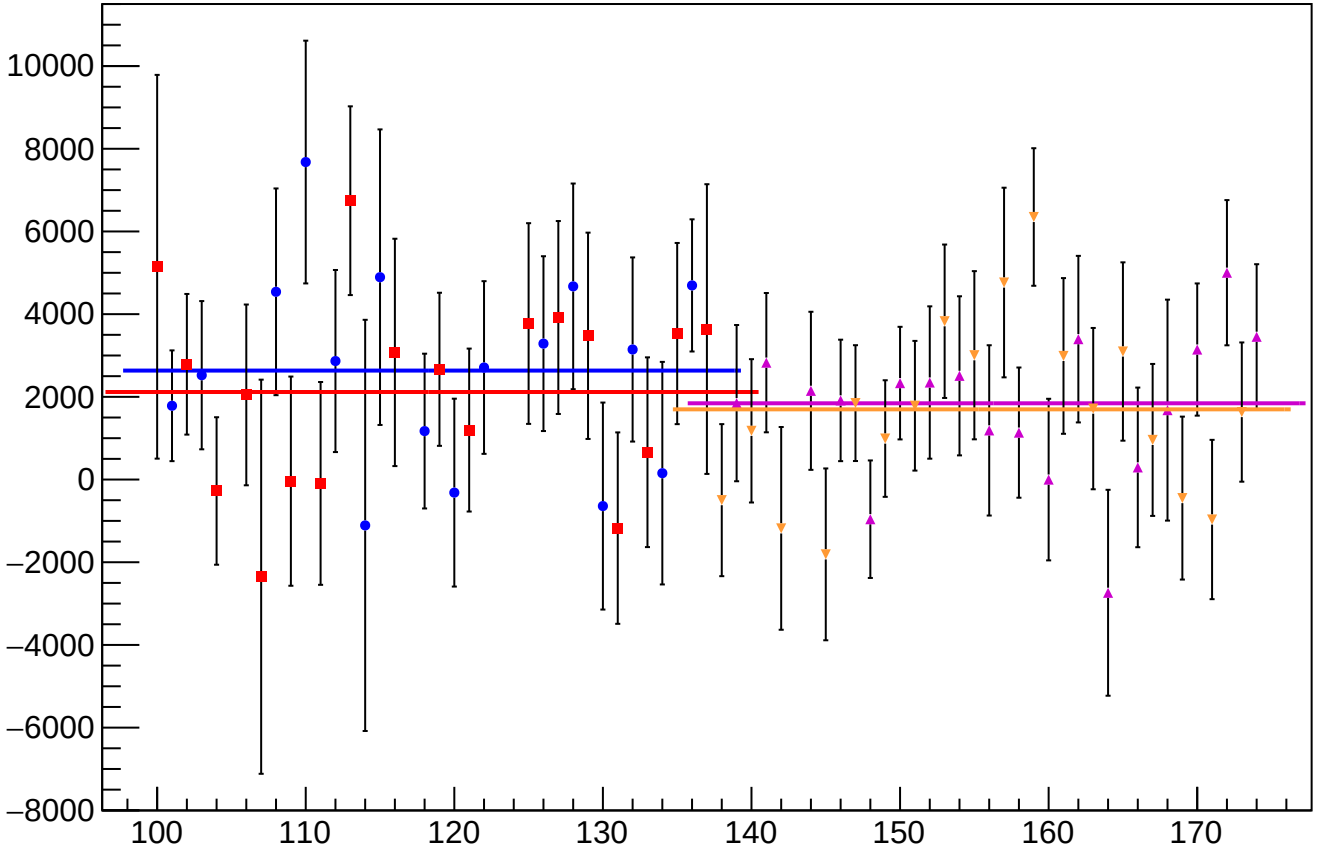
Right: 1207.692+/-0.228 χ^2/NDF: 982914.1/33

In: 1295.829+/-0.200 χ^2/NDF:1823416.2/33

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

All: 1306.988+/-0.143 χ^2/NDF: 3093997.0/69

asym_us_avg_mean vs Slug, Sign Corrected



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

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

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

Left In: 1844.209+/-417.885 χ^2/NDF:15.1/17

Left: 1772.670+/-298.916 χ^2/NDF: 36.7/35

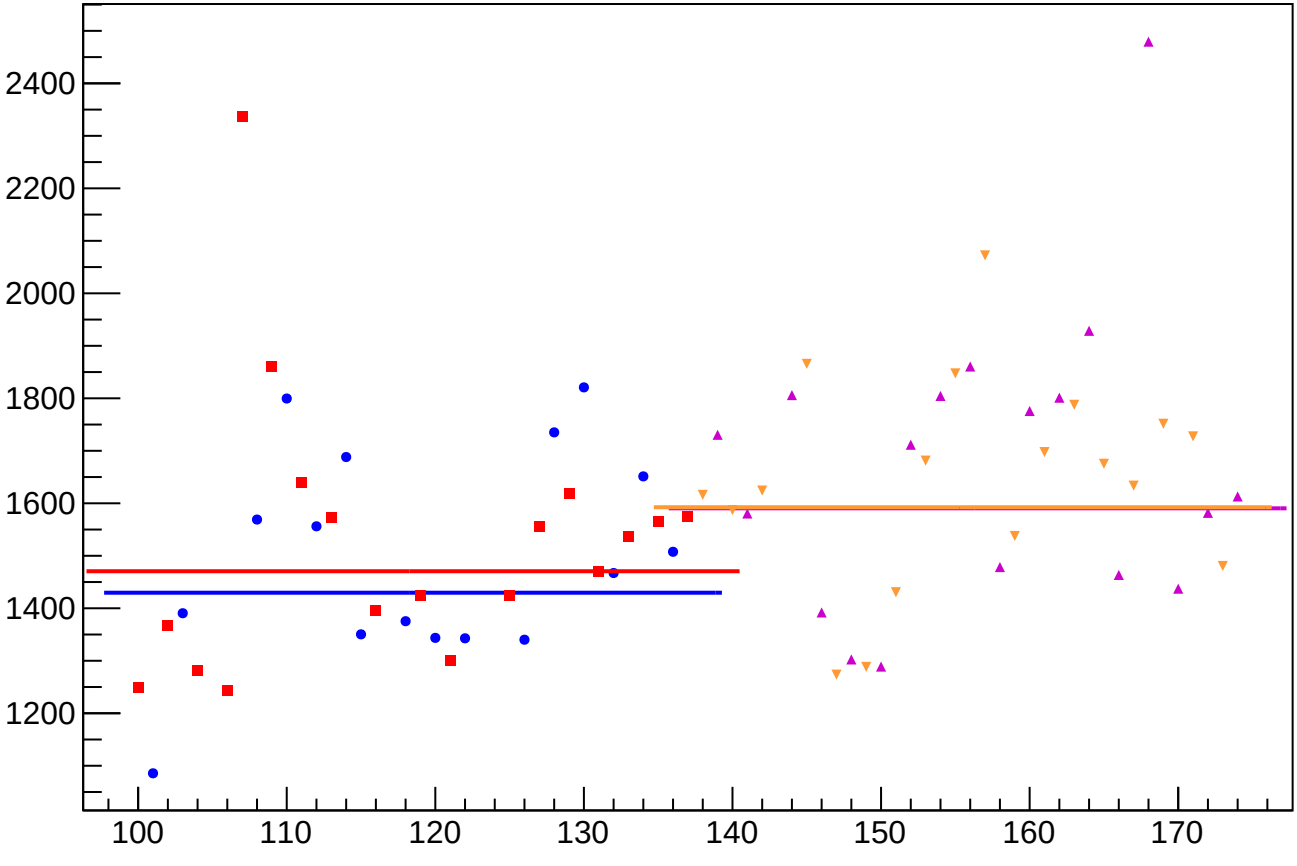
Right: 2380.790+/-383.745 χ^2/NDF: 26.4/33

In: 2141.906+/-330.033 χ^2/NDF:28.8/33

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

All: 2002.313+/-235.817 χ^2/NDF: 64.7/69

asym_us_avg_rms vs Slug, Sign Corrected



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

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

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

Left In: 1590.423+/-0.295 χ^2/NDF:656615.3/17

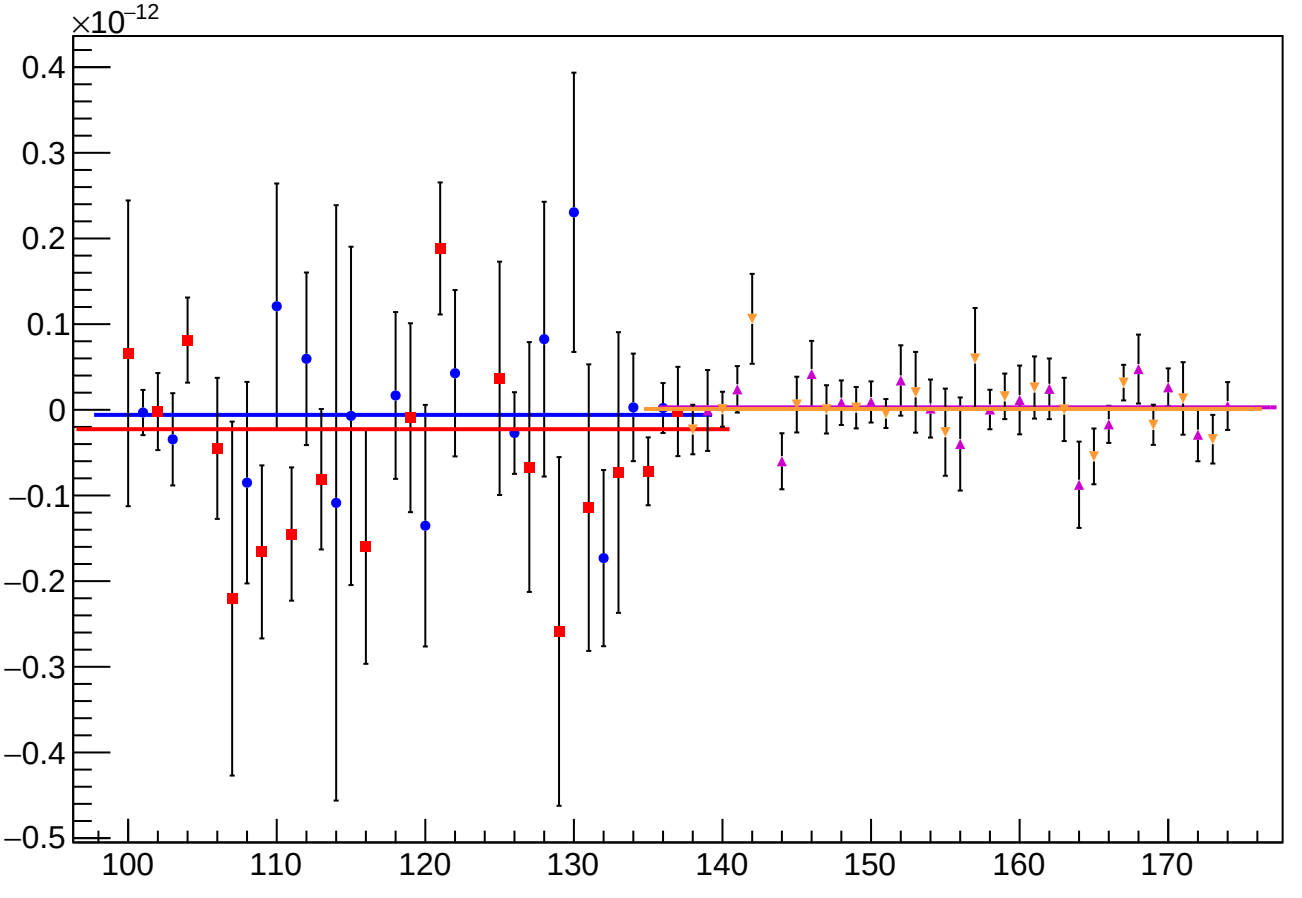
Left: 1591.435+/-0.211 χ^2/NDF: 1097522.6/35

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

In: 1529.931+/-0.233 χ^2/NDF:1061386.5/33

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

All: 1537.932+/-0.167 χ^2/NDF: 1784336.7/69



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:14.5/17

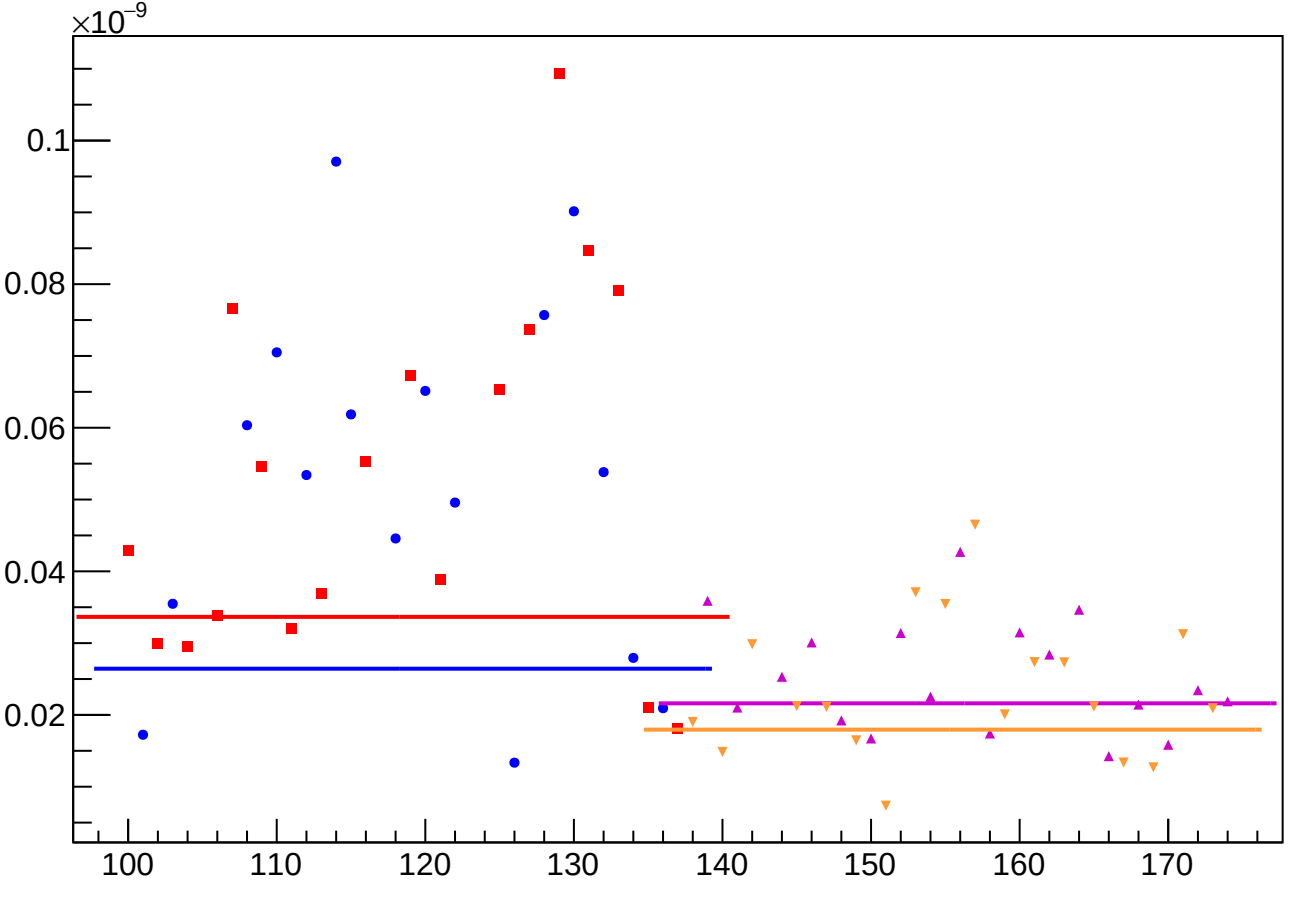
Left: 0.000+/-0.000 χ^2/NDF: 29.0/35

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

In: 0.000+/-0.000 χ^2/NDF:23.3/33

Out: -0.000+/-0.000 χ^2/NDF:38.9/35

All: -0.000+/-0.000 χ^2/NDF: 62.4/69



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:1590865.7/17

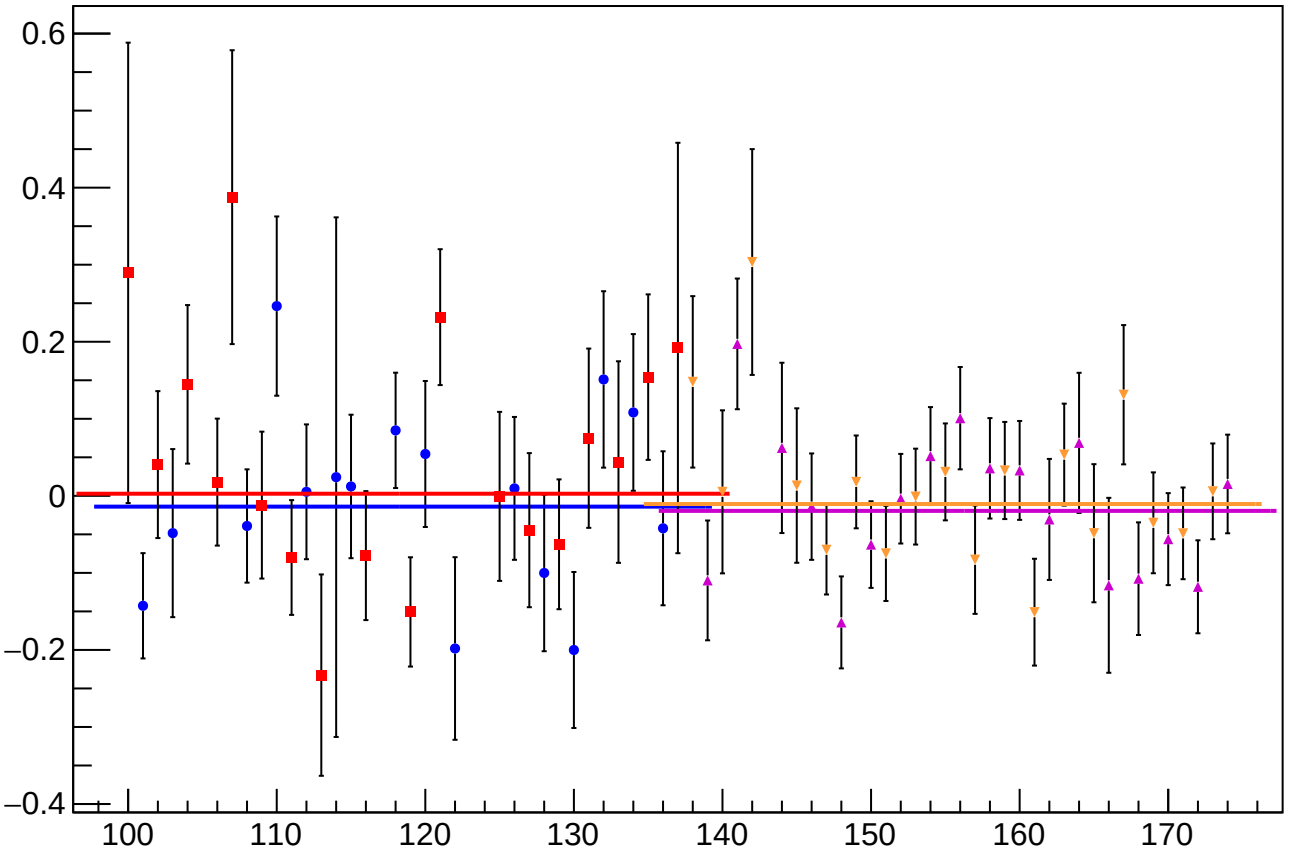
Left: 0.000+/-0.000 χ^2/NDF: 4605820.6/35

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

In: 0.000+/-0.000 χ^2/NDF:3894224.5/33

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

All: 0.000+/-0.000 χ^2/NDF: 9831520.0/69



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

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

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

Left In: -0.020+/-0.016 χ^2/NDF:27.4/17

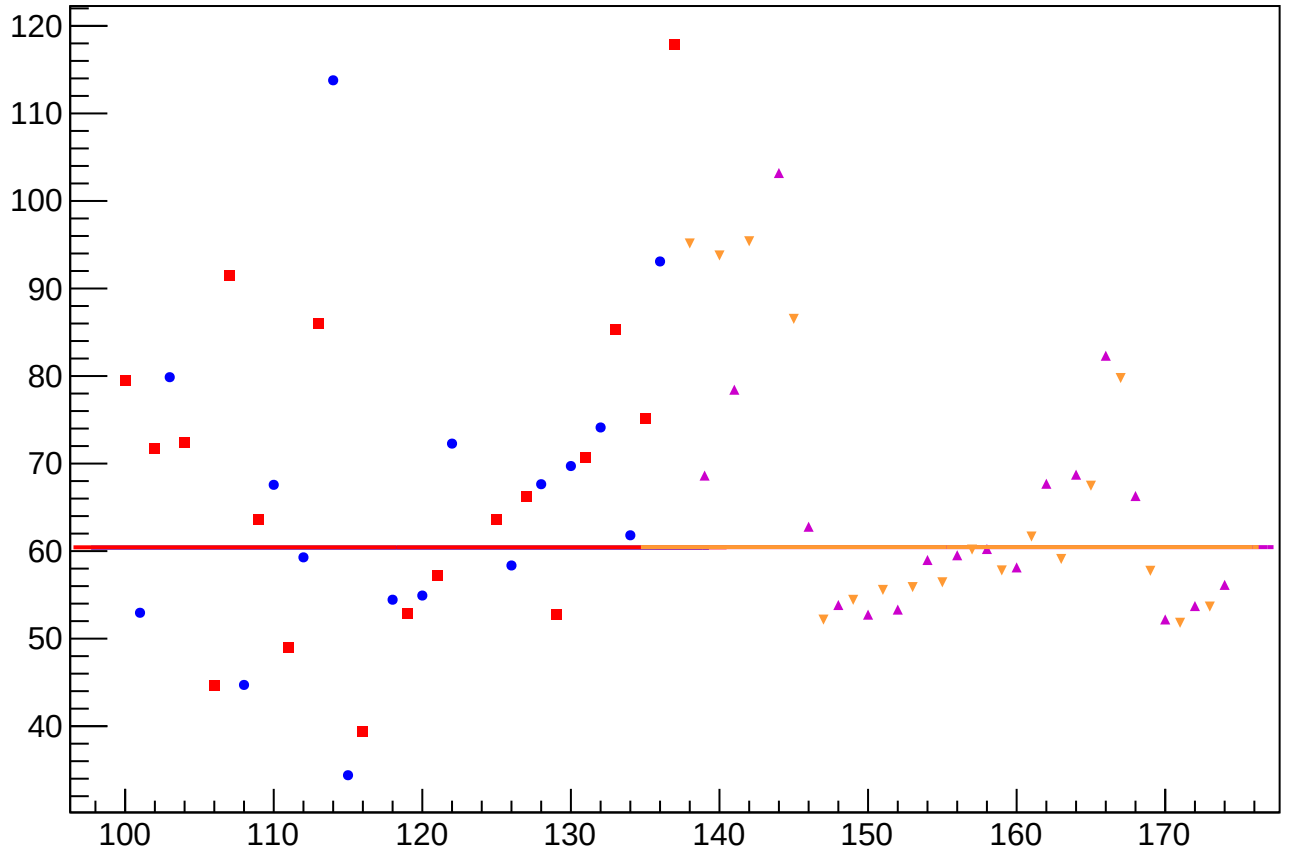
Left: -0.015+/-0.012 χ^2/NDF: 46.9/35

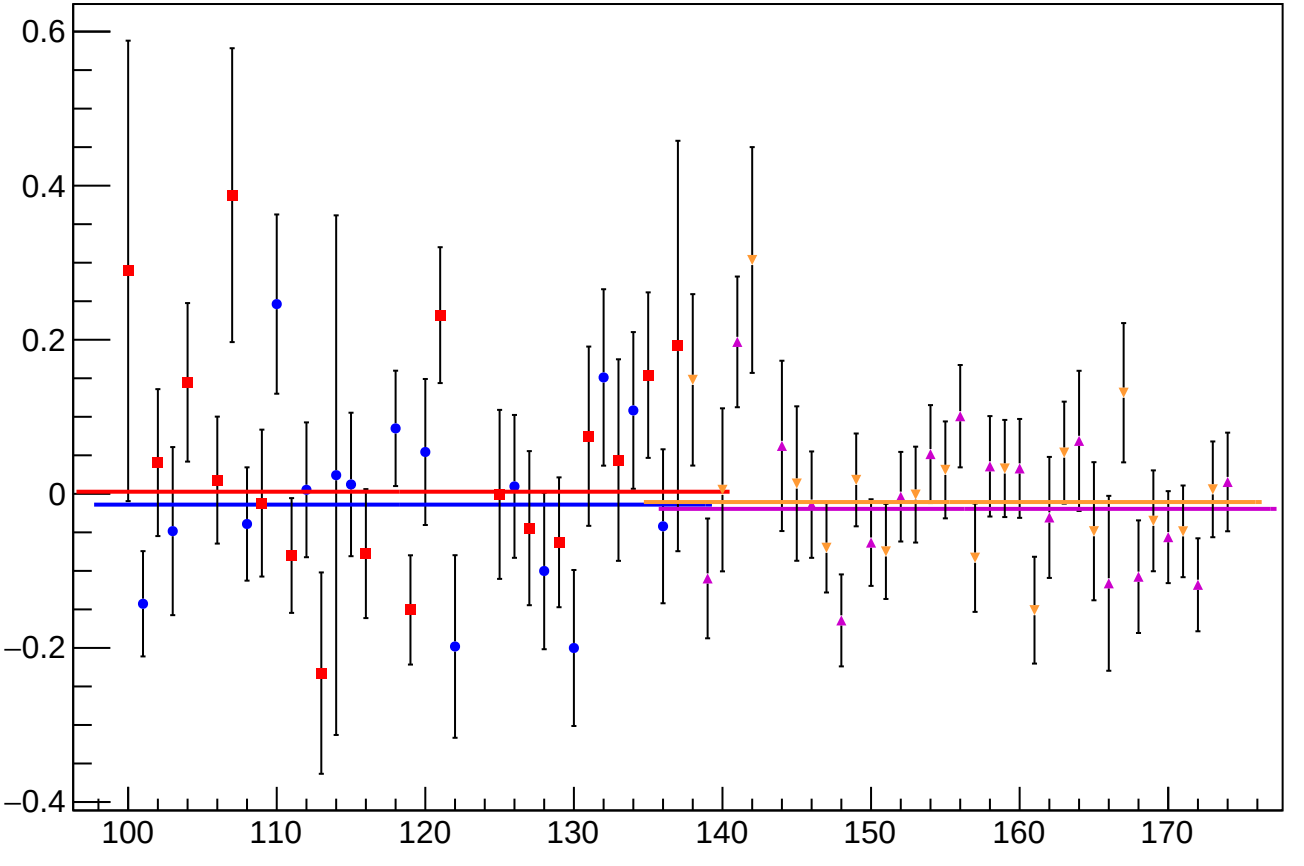
Right: -0.006+/-0.017 χ^2/NDF: 49.4/33

In: -0.018+/-0.013 χ^2/NDF:48.8/33

Out: -0.006+/-0.014 χ^2/NDF:47.3/35

All: -0.012+/-0.010 χ^2/NDF: 96.5/69


asym_us_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
120
110
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 60.399+/-0.017 χ²/NDF: 703157.1/15
Left Out: 60.461+/-0.012 χ²/NDF:912186.4/17
Right Out: 60.434+/-0.017 χ²/NDF: 711093.4/17
Left In: 60.454+/-0.011 χ²/NDF:702539.8/17
Left: 60.457+/-0.008 χ²/NDF: 1614726.4/35
Right: 60.417+/-0.012 χ²/NDF: 1414252.6/33
In: 60.436+/-0.009 χ²/NDF:1405703.9/33
Out: 60.452+/-0.010 χ²/NDF:1623281.5/35
All: 60.444+/-0.007 χ²/NDF: 3028986.8/69



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

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

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

Left In: -0.020+/-0.016 χ^2/NDF:27.4/17

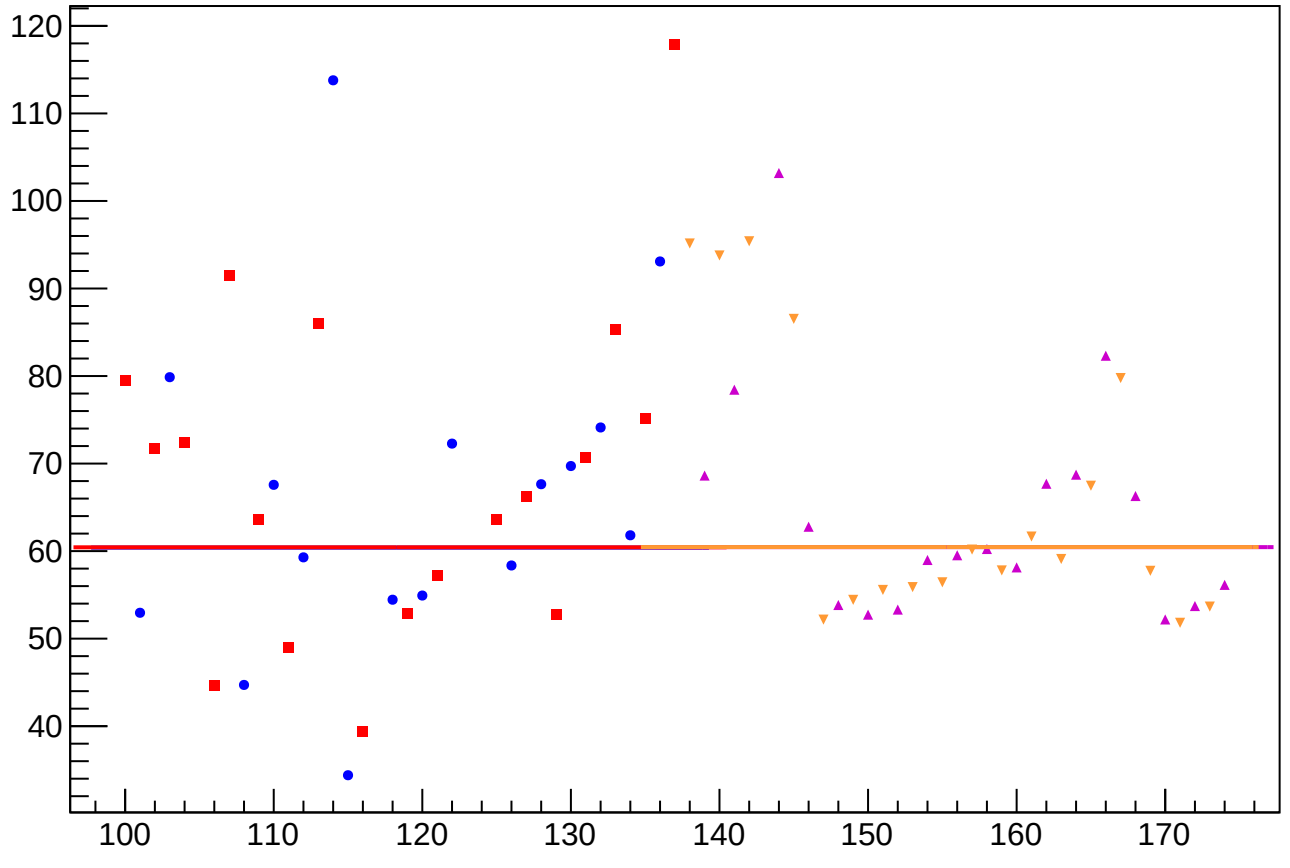
Left: -0.015+/-0.012 χ^2/NDF: 46.9/35

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

In: -0.018+/-0.013 χ^2/NDF:48.8/33

Out: -0.006+/-0.014 χ^2/NDF:47.3/35

All: -0.012+/-0.010 χ^2/NDF: 96.5/69



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

Left Out: 60.461+/-0.012 χ^2/NDF:912186.4/17

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

Left In: 60.454+/-0.011 χ^2/NDF:702539.8/17

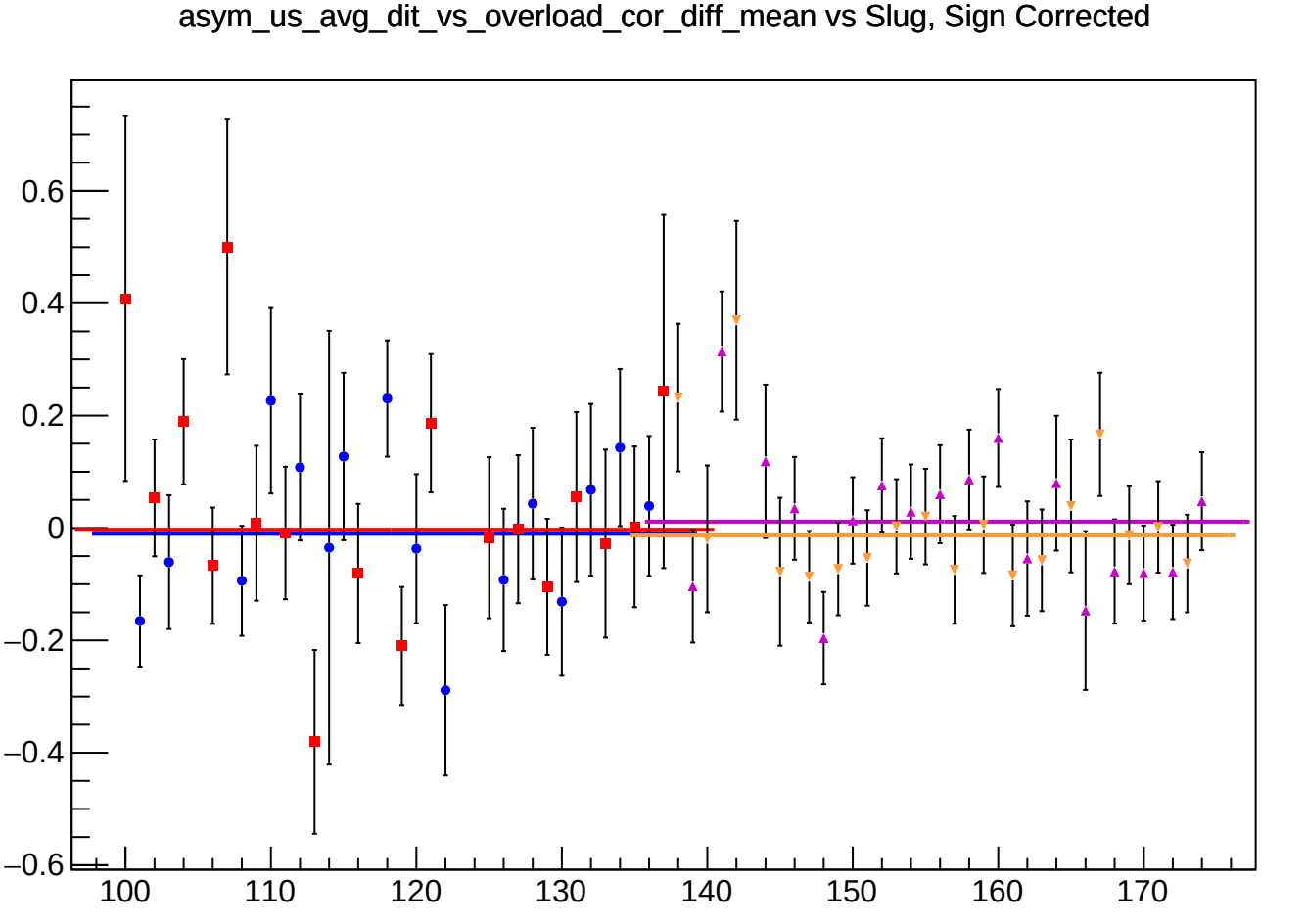
Left: 60.457+/-0.008 χ^2/NDF: 1614726.4/35

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

In: 60.436+/-0.009 χ^2/NDF:1405703.9/33

Out: 60.452+/-0.010 χ^2/NDF:1623281.5/35

All: 60.444+/-0.007 χ^2/NDF: 3028986.8/69



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

Left Out: -0.013+/-0.022 χ^2/NDF:14.7/17

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

Left In: 0.011+/-0.022 χ^2/NDF:26.4/17

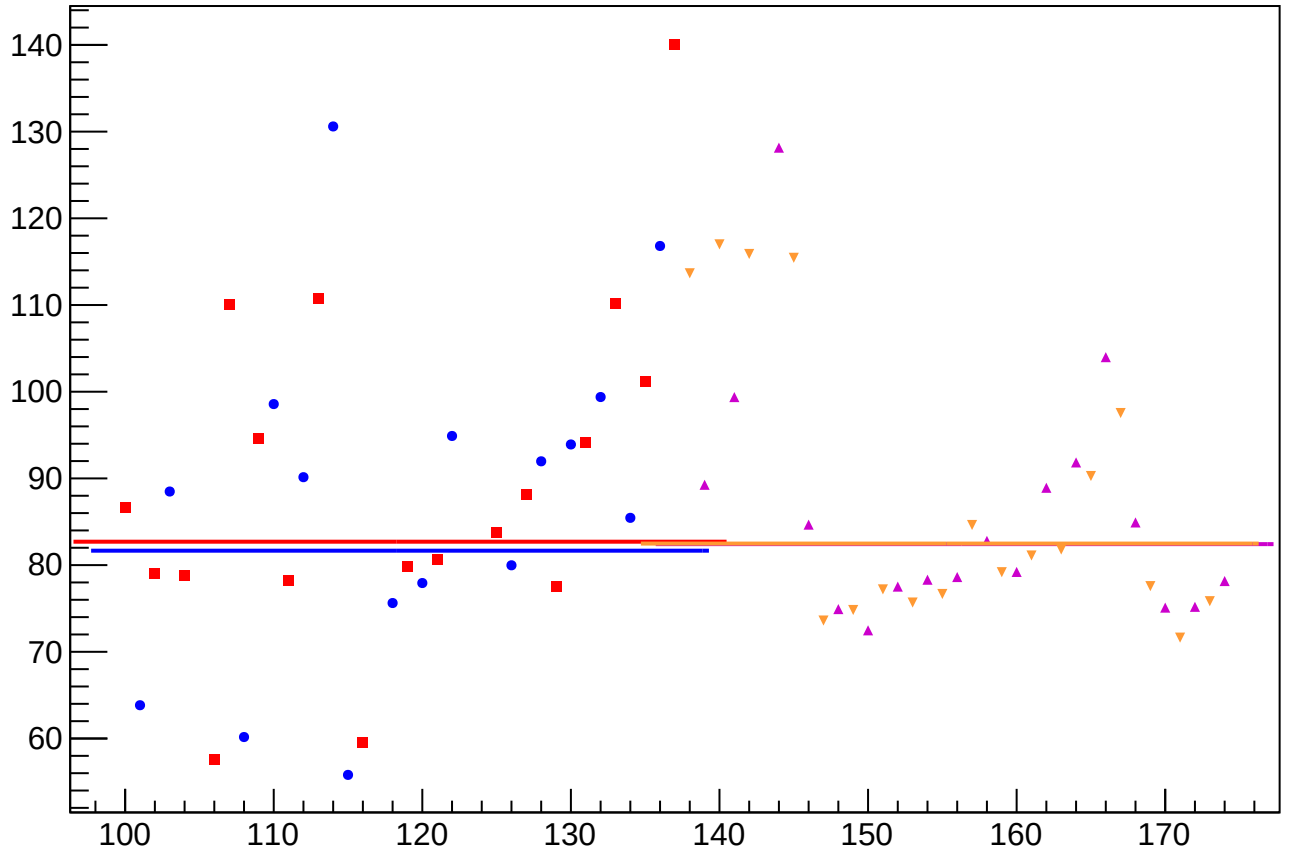
Left: -0.001+/-0.016 χ^2/NDF: 41.7/35

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

In: 0.004+/-0.018 χ^2/NDF:46.8/33

Out: -0.010+/-0.018 χ^2/NDF:38.5/35

All: -0.003+/-0.013 χ^2/NDF: 85.6/69



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

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

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

Left In: 82.420+/-0.015 χ^2/NDF:457033.3/17

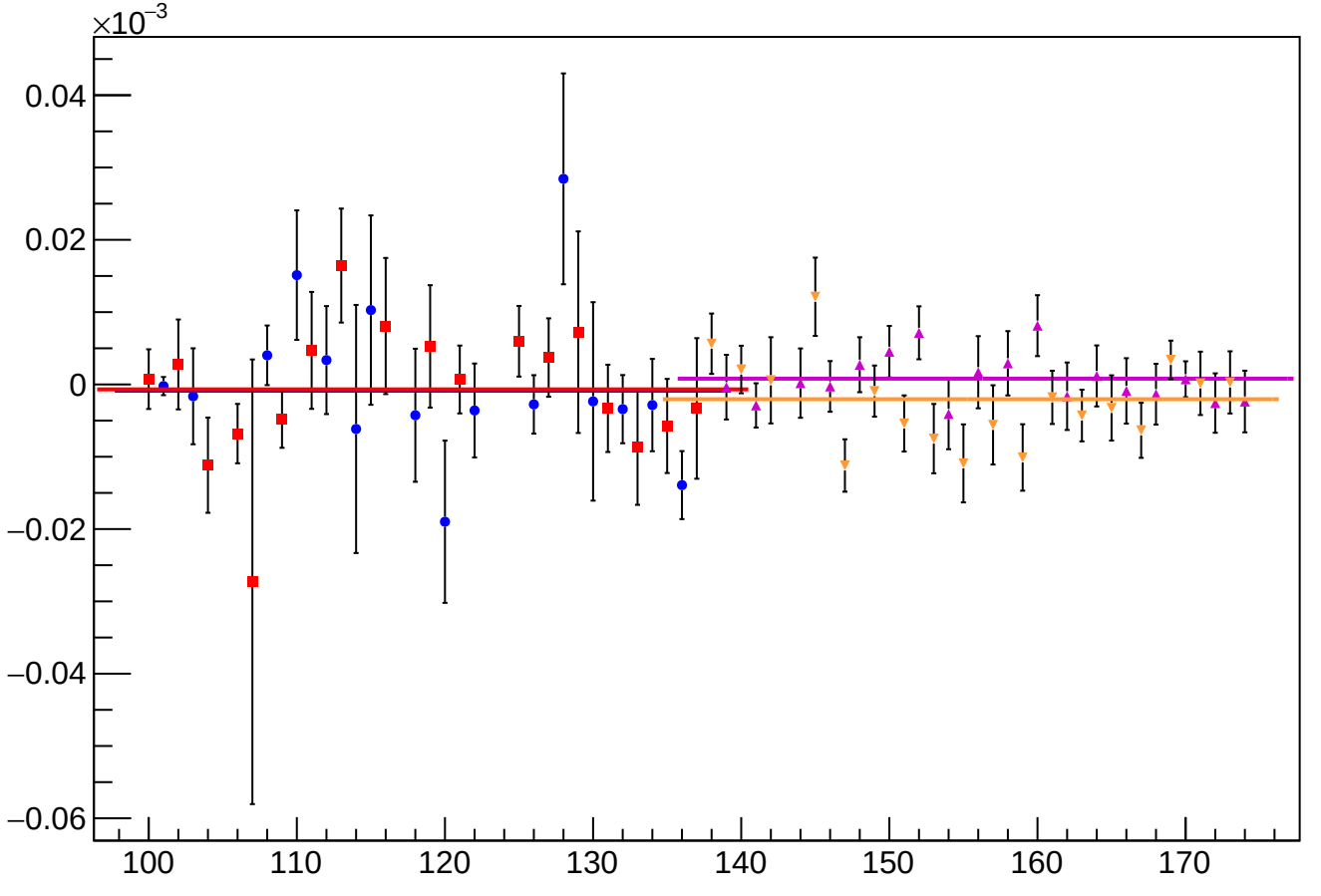
Left: 82.451+/-0.011 χ^2/NDF: 1082140.3/35

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

In: 82.176+/-0.013 χ^2/NDF:1019657.4/33

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

All: 82.362+/-0.009 χ^2/NDF: 2118324.1/69



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:12.2/17

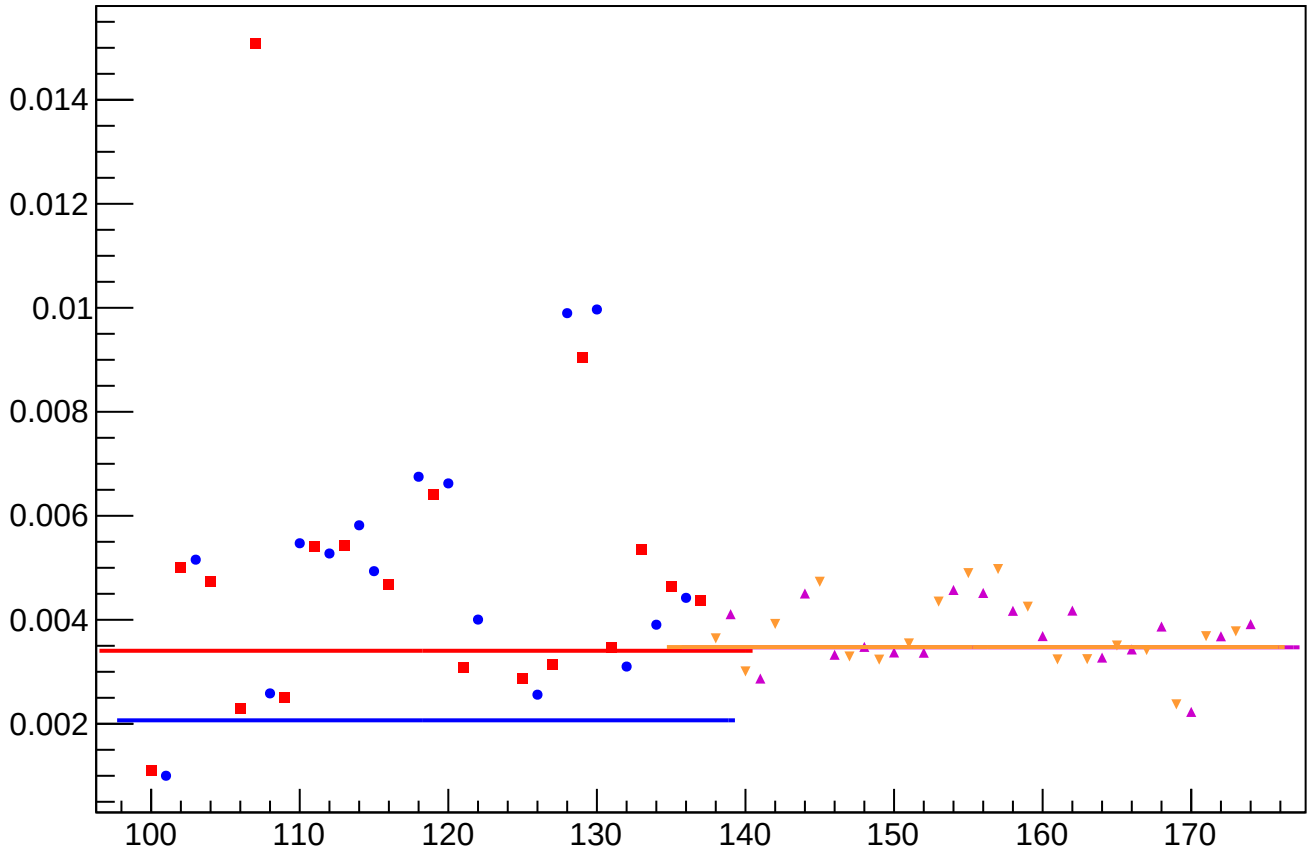
Left: -0.000+/-0.000 χ^2/NDF: 50.0/35

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

In: 0.000+/-0.000 χ^2/NDF:35.0/33

Out: -0.000+/-0.000 χ^2/NDF:52.2/35

All: -0.000+/-0.000 χ^2/NDF: 89.7/69



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

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

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

Left In: 0.003+/-0.000 χ^2/NDF:1059429.0/17

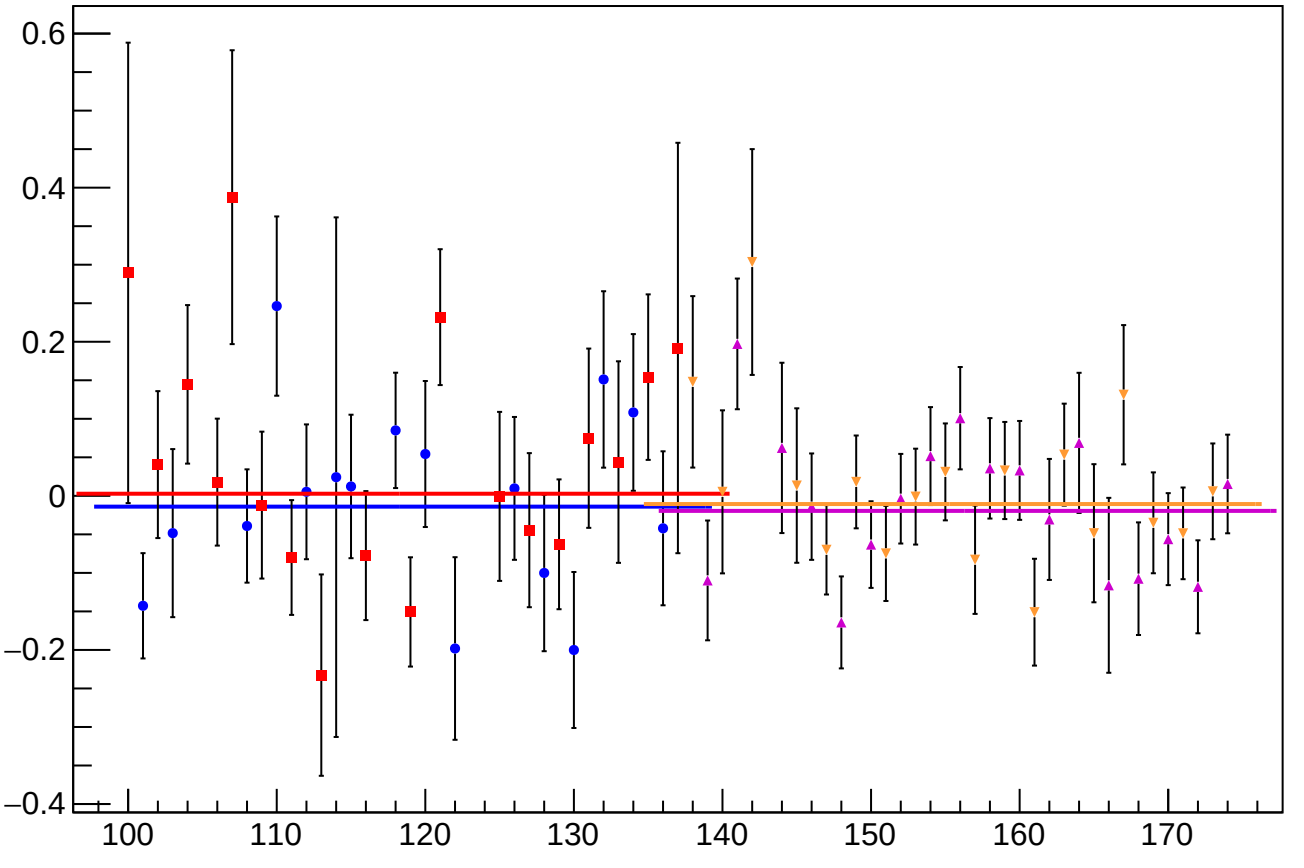
Left: 0.003+/-0.000 χ^2/NDF: 2023196.0/35

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

In: 0.003+/-0.000 χ^2/NDF:8985400.4/33

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

All: 0.003+/-0.000 χ^2/NDF: 13156205.1/69



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

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

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

Left In: -0.020+/-0.016 χ^2/NDF:27.4/17

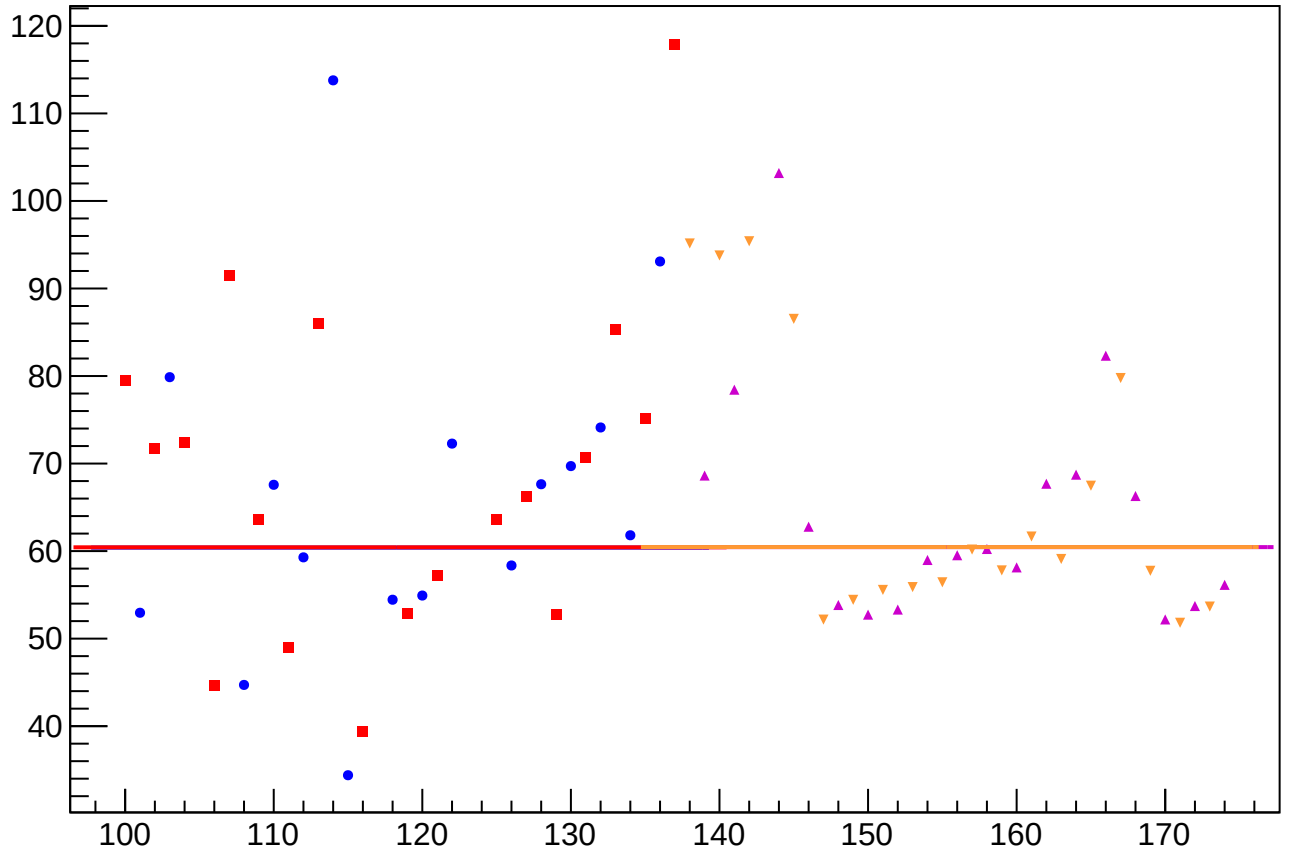
Left: -0.015+/-0.012 χ^2/NDF: 46.9/35

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

In: -0.018+/-0.013 χ^2/NDF:48.8/33

Out: -0.006+/-0.014 χ^2/NDF:47.3/35

All: -0.012+/-0.010 χ^2/NDF: 96.5/69



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

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

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

Left In: 60.454+/-0.011 χ^2/NDF:702528.3/17

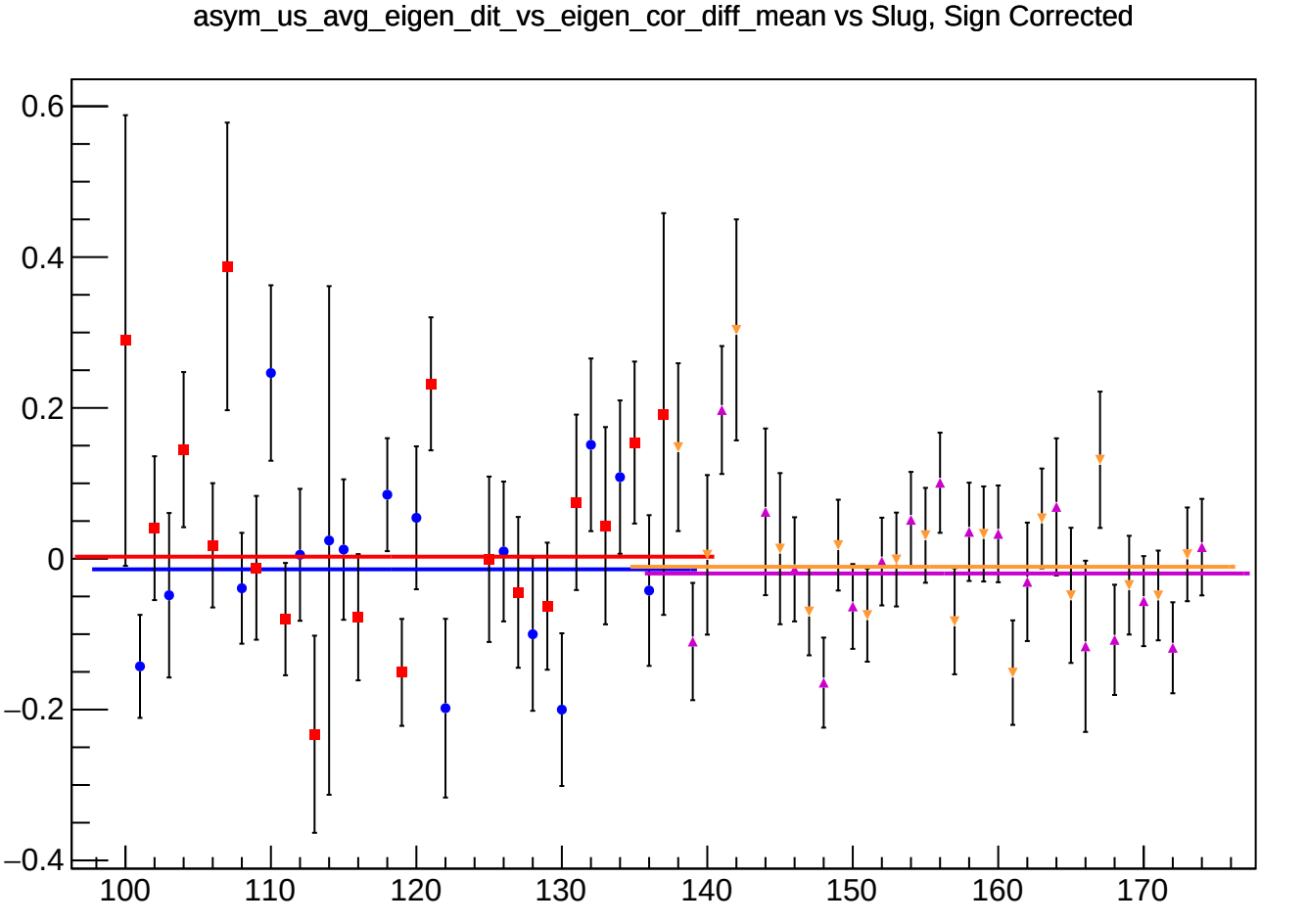
Left: 60.458+/-0.008 χ^2/NDF: 1614708.2/35

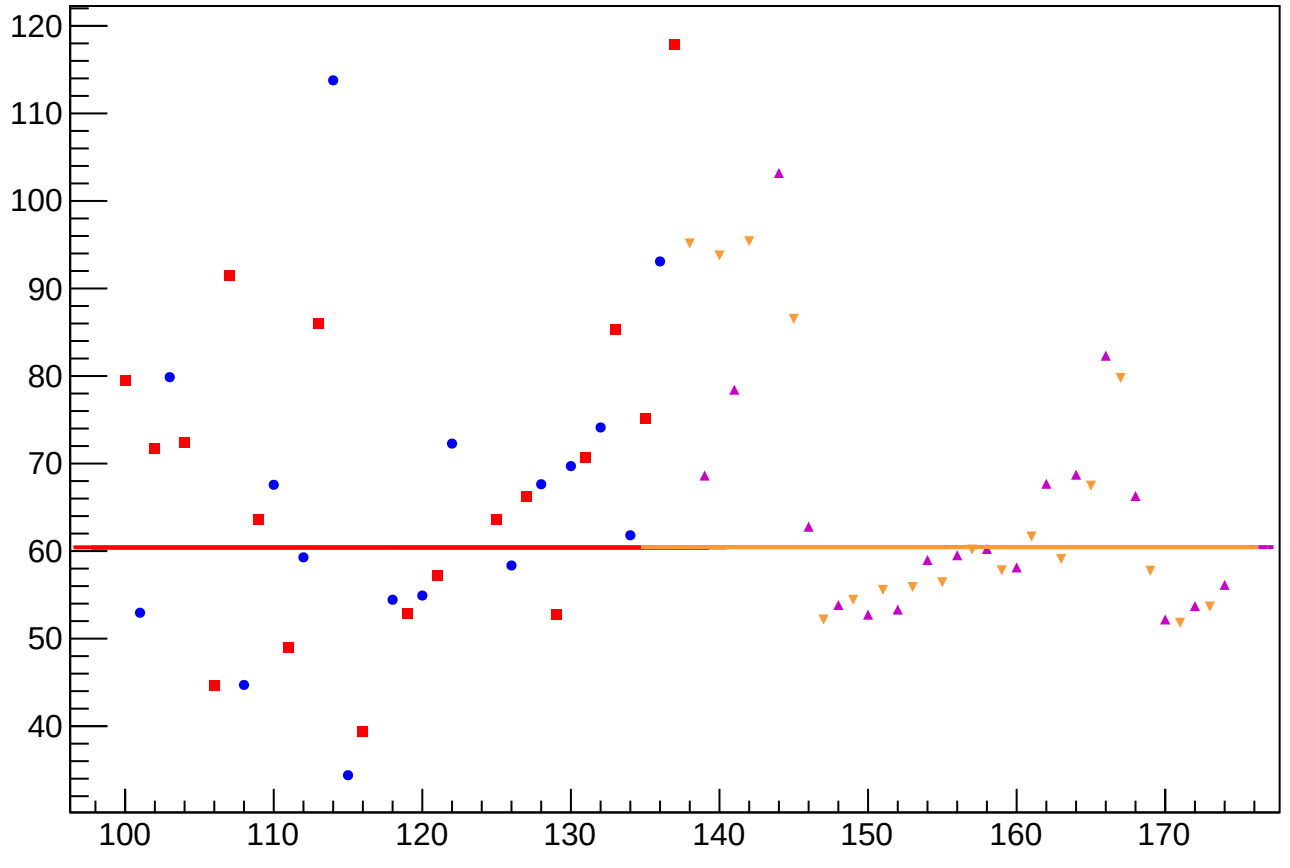
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.436+/-0.009 χ^2/NDF:1405705.1/33

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

All: 60.444+/-0.007 χ^2/NDF: 3029010.5/69


asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.014+/-0.024 χ²/NDF: 21.4/15
Left Out: -0.011+/-0.017 χ²/NDF:19.4/17
Right Out: 0.003+/-0.024 χ²/NDF: 27.8/17
Left In: -0.020+/-0.016 χ²/NDF:27.4/17
Left: -0.015+/-0.012 χ²/NDF: 46.9/35
Right: -0.006+/-0.017 χ²/NDF: 49.4/33
In: -0.018+/-0.013 χ²/NDF:48.8/33
Out: -0.006+/-0.014 χ²/NDF:47.3/35
All: -0.012+/-0.010 χ²/NDF: 96.5/69



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

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

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

Left In: 60.454+/-0.011 χ^2/NDF:702528.3/17

Left: 60.458+/-0.008 χ^2/NDF: 1614708.2/35

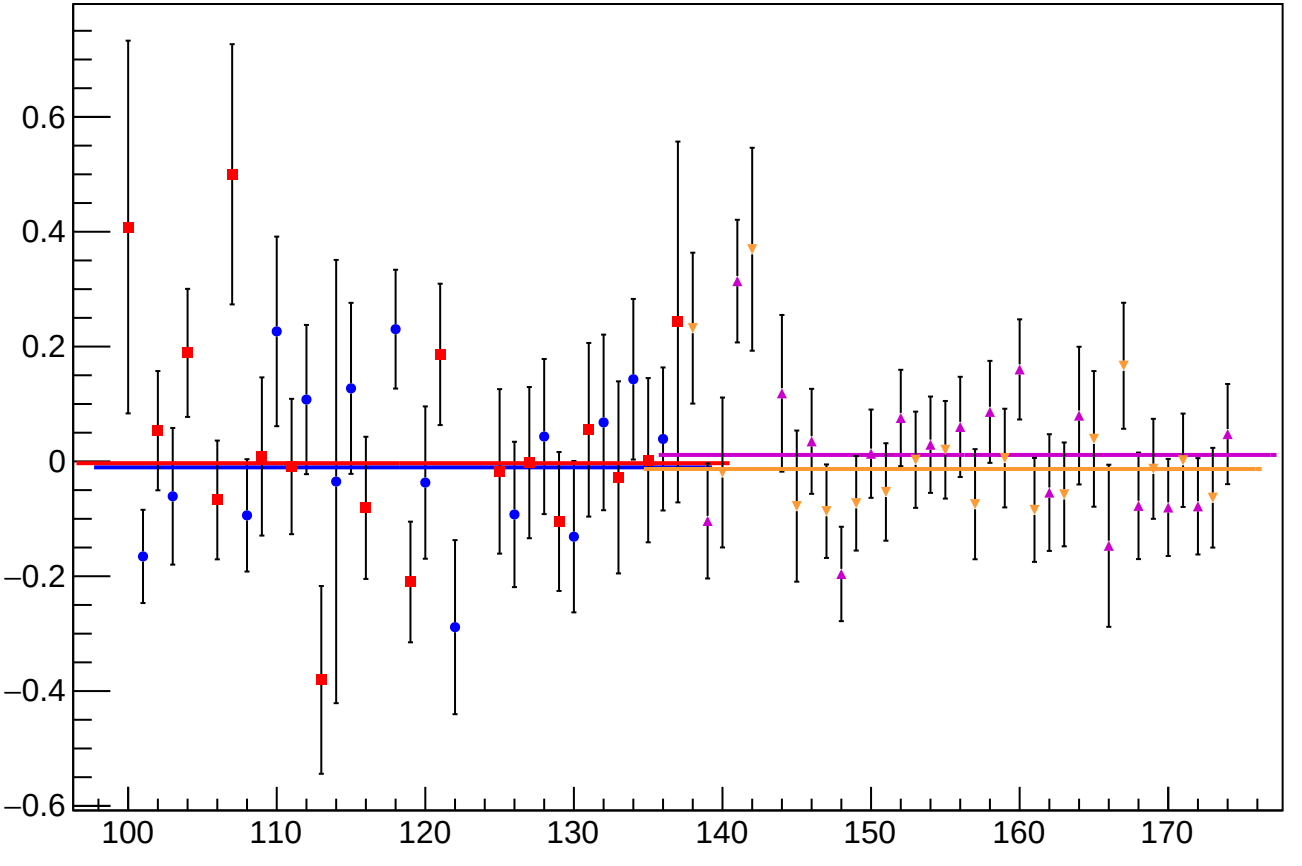
Right: 60.415+/-0.012 χ^2/NDF: 1414293.7/33

In: 60.436+/-0.009 χ^2/NDF:1405705.1/33

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

All: 60.444+/-0.007 χ^2/NDF: 3029010.5/69

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.013+/-0.022 χ^2/NDF:14.7/17

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

Left In: 0.011+/-0.022 χ^2/NDF:26.4/17

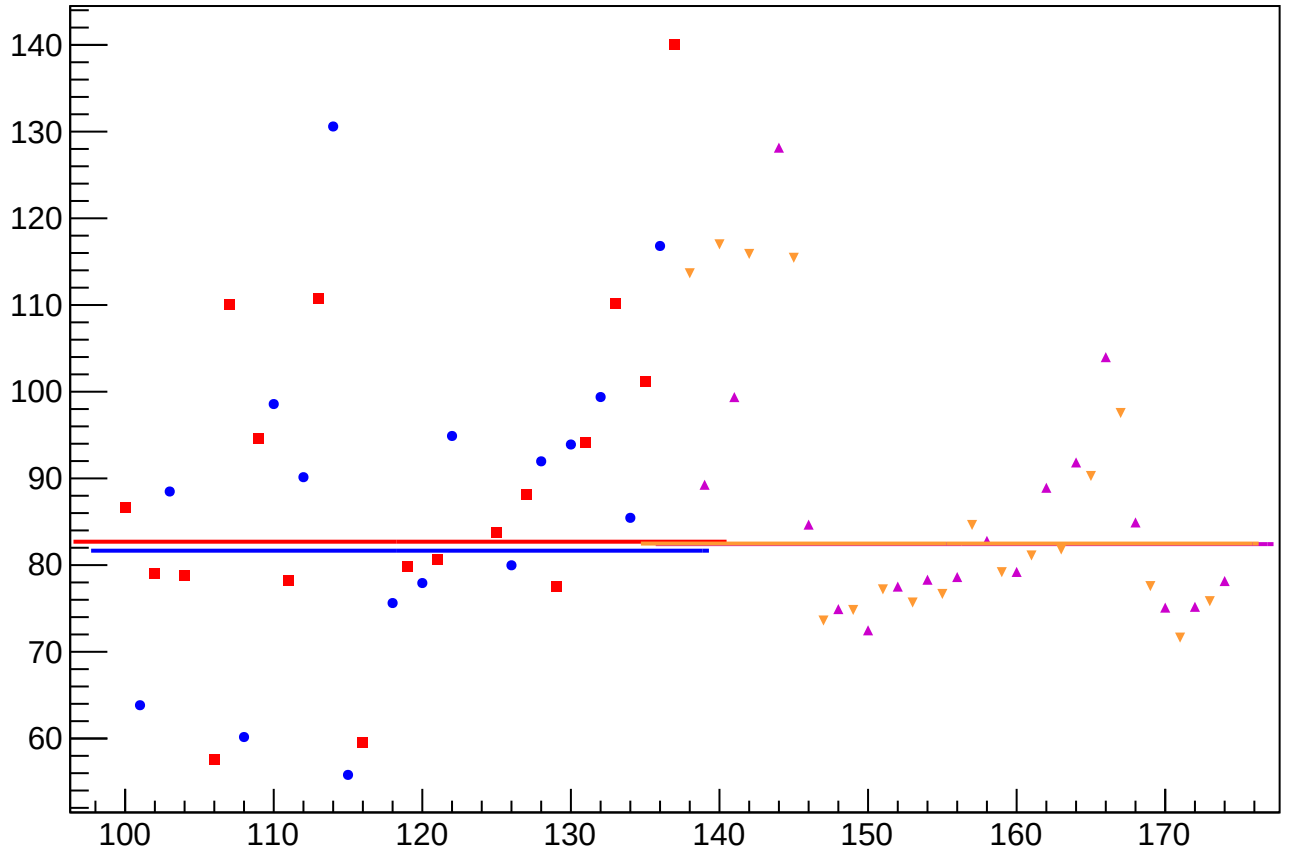
Left: -0.001+/-0.016 χ^2/NDF: 41.7/35

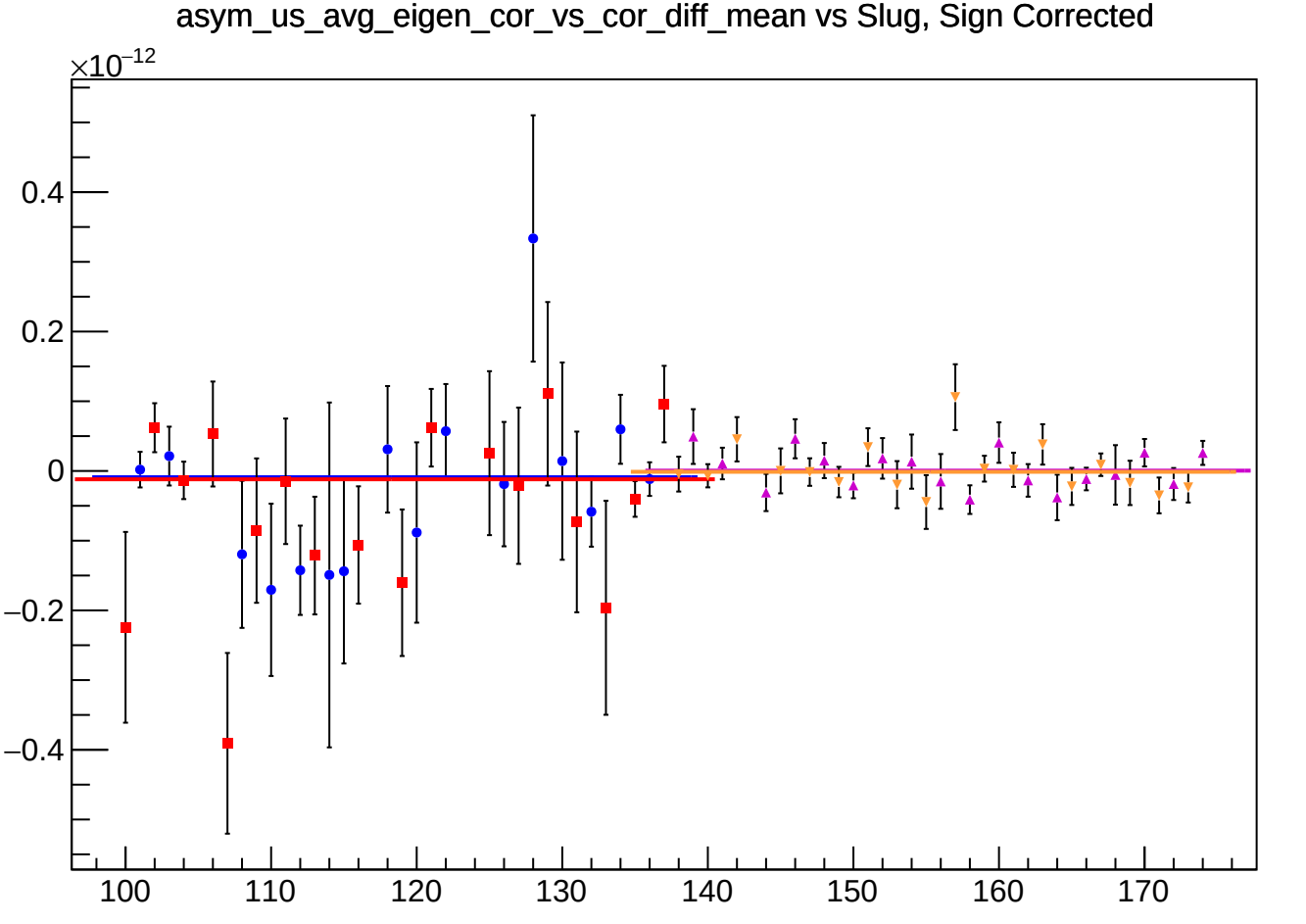
Right: -0.007+/-0.022 χ^2/NDF: 43.8/33

In: 0.004+/-0.018 χ^2/NDF:46.8/33

Out: -0.010+/-0.018 χ^2/NDF:38.5/35

All: -0.003+/-0.013 χ^2/NDF: 85.6/69


asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected
140
130
120
110
100
90
80
70
60
100
110
120
130
140
150
160
170
Right In: 81.663+/-0.022 χ²/NDF: 561836.4/15
Left Out: 82.484+/-0.016 χ²/NDF:625095.6/17
Right Out: 82.700+/-0.022 χ²/NDF: 473062.4/17
Left In: 82.420+/-0.015 χ²/NDF:457029.9/17
Left: 82.451+/-0.011 χ²/NDF: 1082133.8/35
Right: 82.179+/-0.016 χ²/NDF: 1035971.3/33
In: 82.176+/-0.013 χ²/NDF:1019643.9/33
Out: 82.556+/-0.013 χ²/NDF:1098219.8/35
All: 82.362+/-0.009 χ²/NDF: 2118303.1/69



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:21.0/17

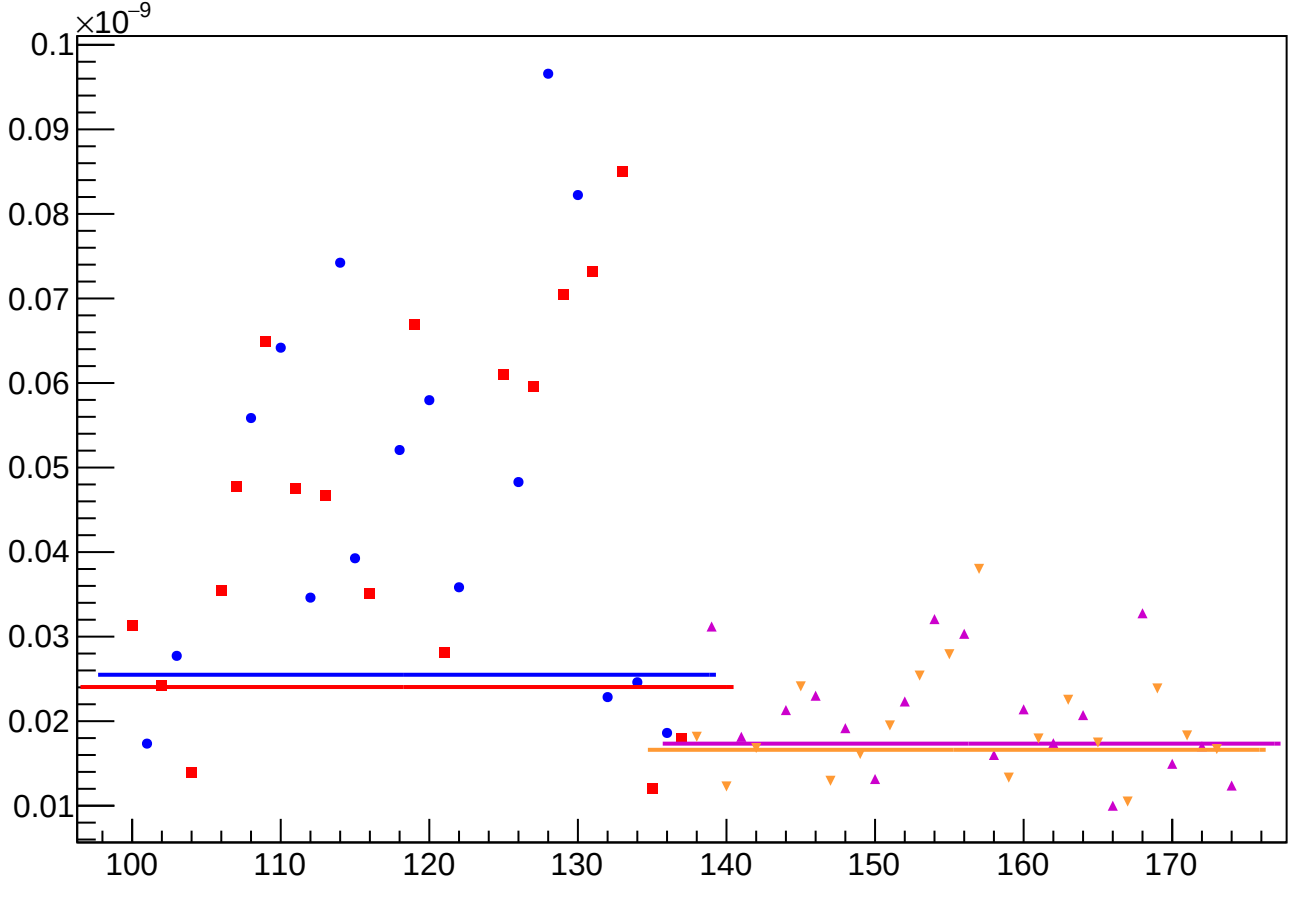
Left: -0.000+/-0.000 χ^2/NDF: 38.2/35

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

In: -0.000+/-0.000 χ^2/NDF:38.9/33

Out: -0.000+/-0.000 χ^2/NDF:48.7/35

All: -0.000+/-0.000 χ^2/NDF: 87.7/69



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:1992202.3/17

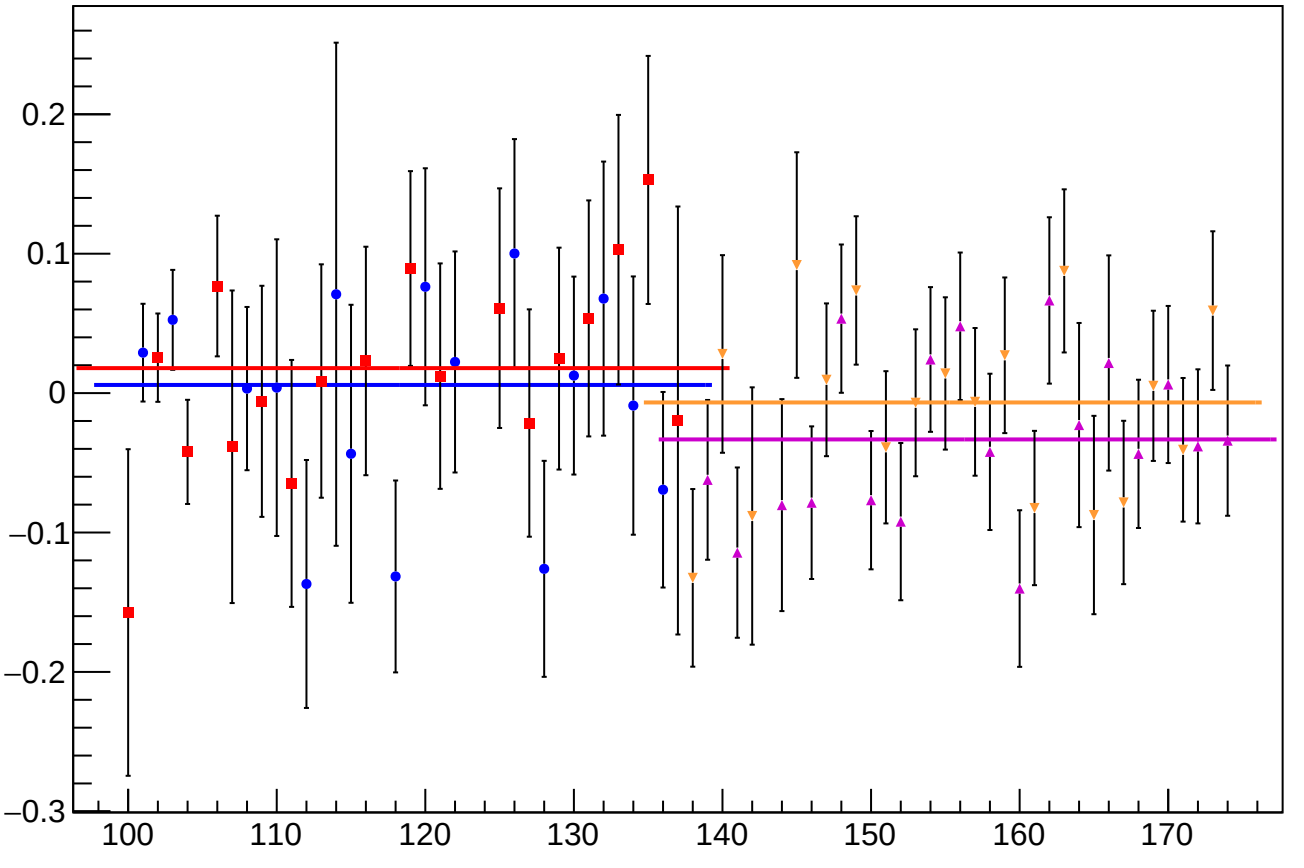
Left: 0.000+/-0.000 χ^2/NDF: 3625518.1/35

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

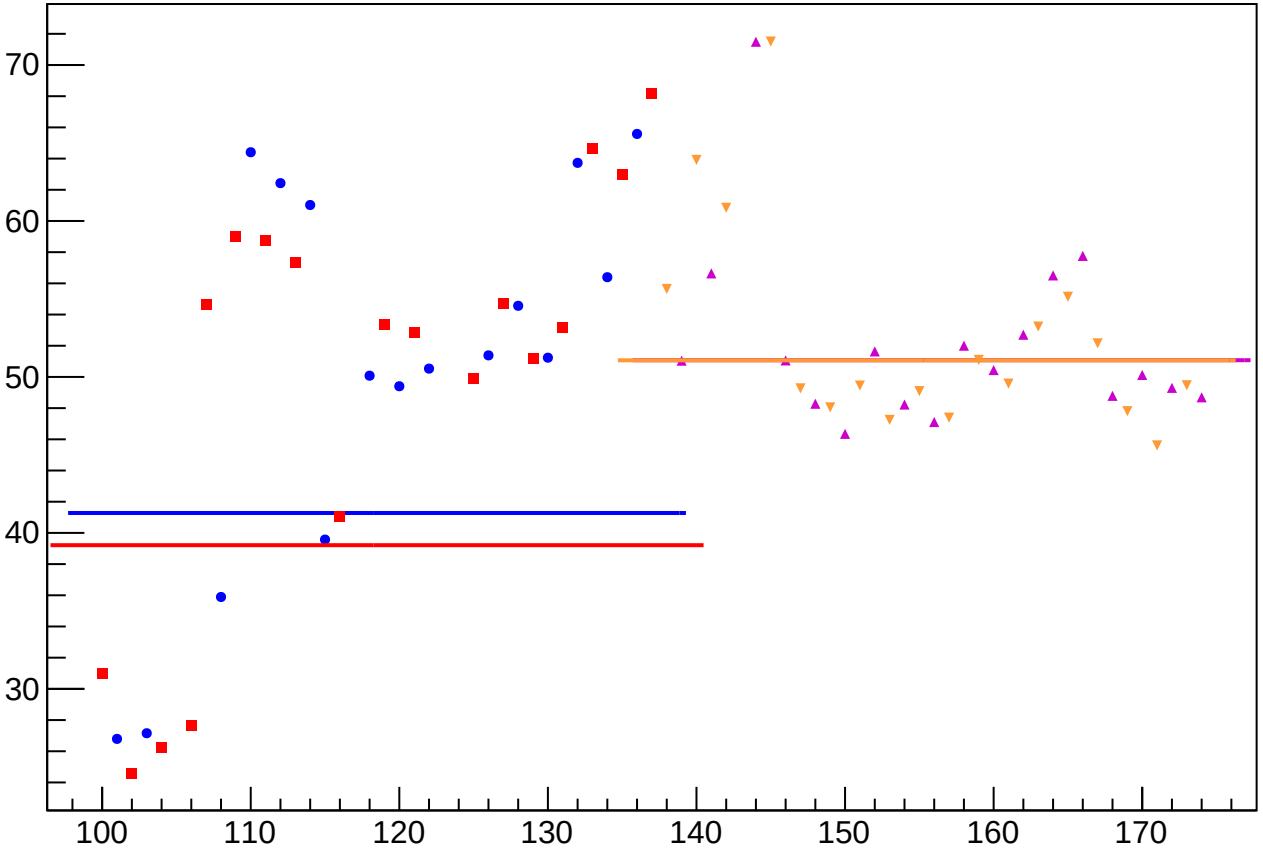
In: 0.000+/-0.000 χ^2/NDF:4630728.8/33

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

All: 0.000+/-0.000 χ^2/NDF: 9879837.9/69


asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.006+/-0.017 χ²/NDF: 15.6/15
Left Out: -0.007+/-0.014 χ²/NDF:18.7/17
Right Out: 0.018+/-0.016 χ²/NDF: 12.3/17
Left In: -0.033+/-0.013 χ²/NDF:18.7/17
Left: -0.020+/-0.010 χ²/NDF: 39.3/35
Right: 0.012+/-0.011 χ²/NDF: 28.2/33
In: -0.018+/-0.010 χ²/NDF:37.6/33
Out: 0.004+/-0.010 χ²/NDF:32.4/35
All: -0.007+/-0.007 χ²/NDF: 72.2/69

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 51.073+/-0.010 χ^2/NDF:240448.7/17

Left: 51.070+/-0.007 χ^2/NDF: 542471.3/35

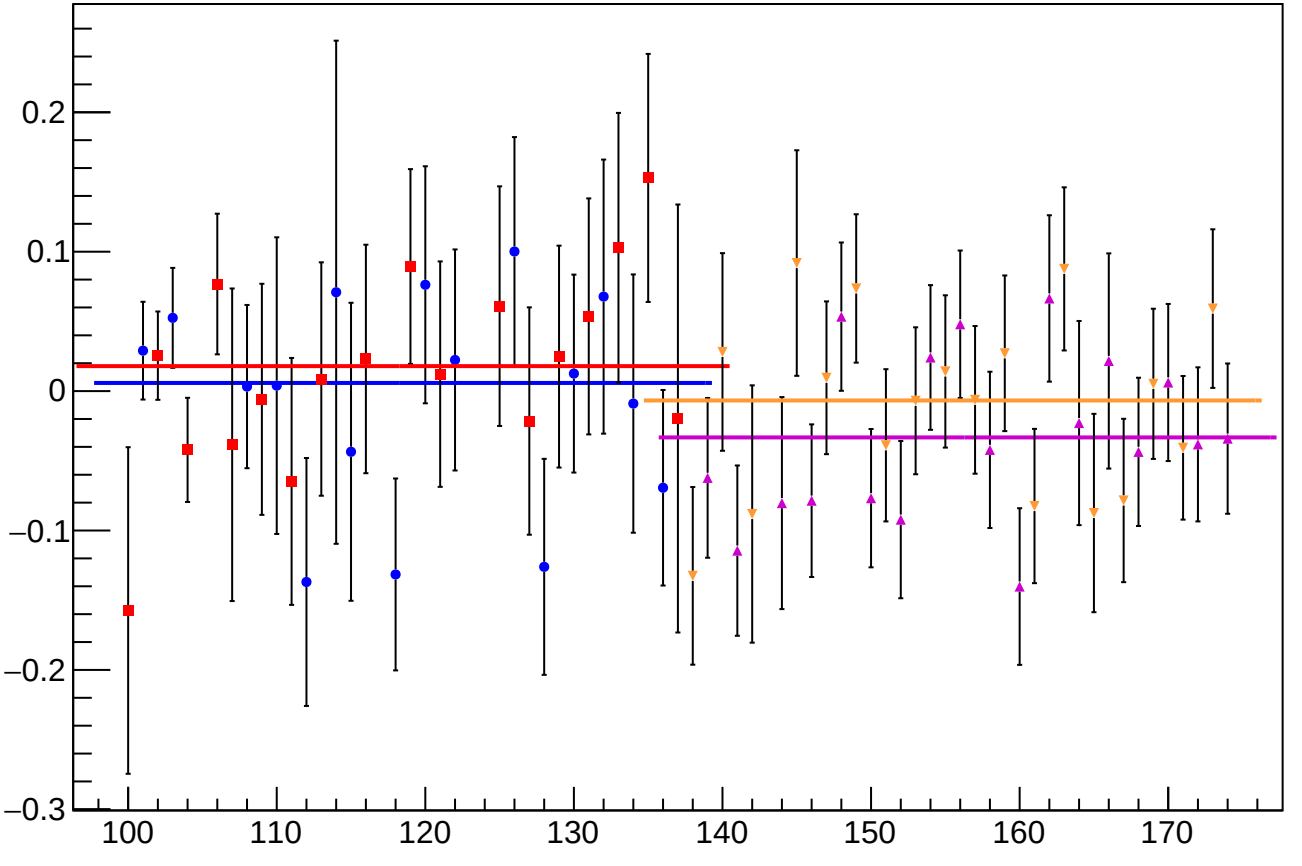
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.154+/-0.007 χ^2/NDF:2167375.9/33

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

All: 46.528+/-0.005 χ^2/NDF: 4945103.5/69

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.033+/-0.013 χ^2/NDF:18.7/17

Left: -0.020+/-0.010 χ^2/NDF: 39.3/35

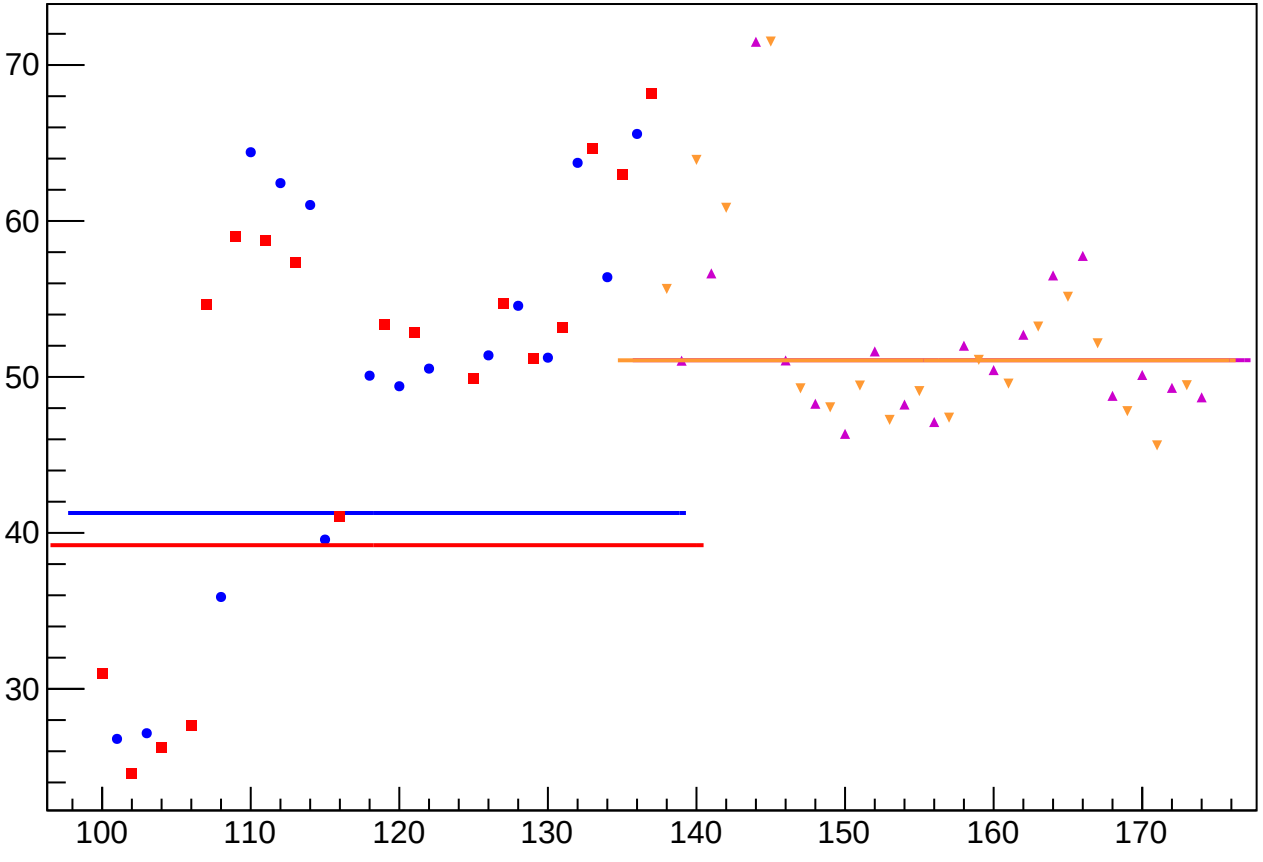
Right: 0.012+/-0.011 χ^2/NDF: 28.2/33

In: -0.018+/-0.010 χ^2/NDF:37.6/33

Out: 0.004+/-0.010 χ^2/NDF:32.4/35

All: -0.007+/-0.007 χ^2/NDF: 72.2/69

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 51.073+/-0.010 χ^2/NDF:240448.7/17

Left: 51.070+/-0.007 χ^2/NDF: 542471.3/35

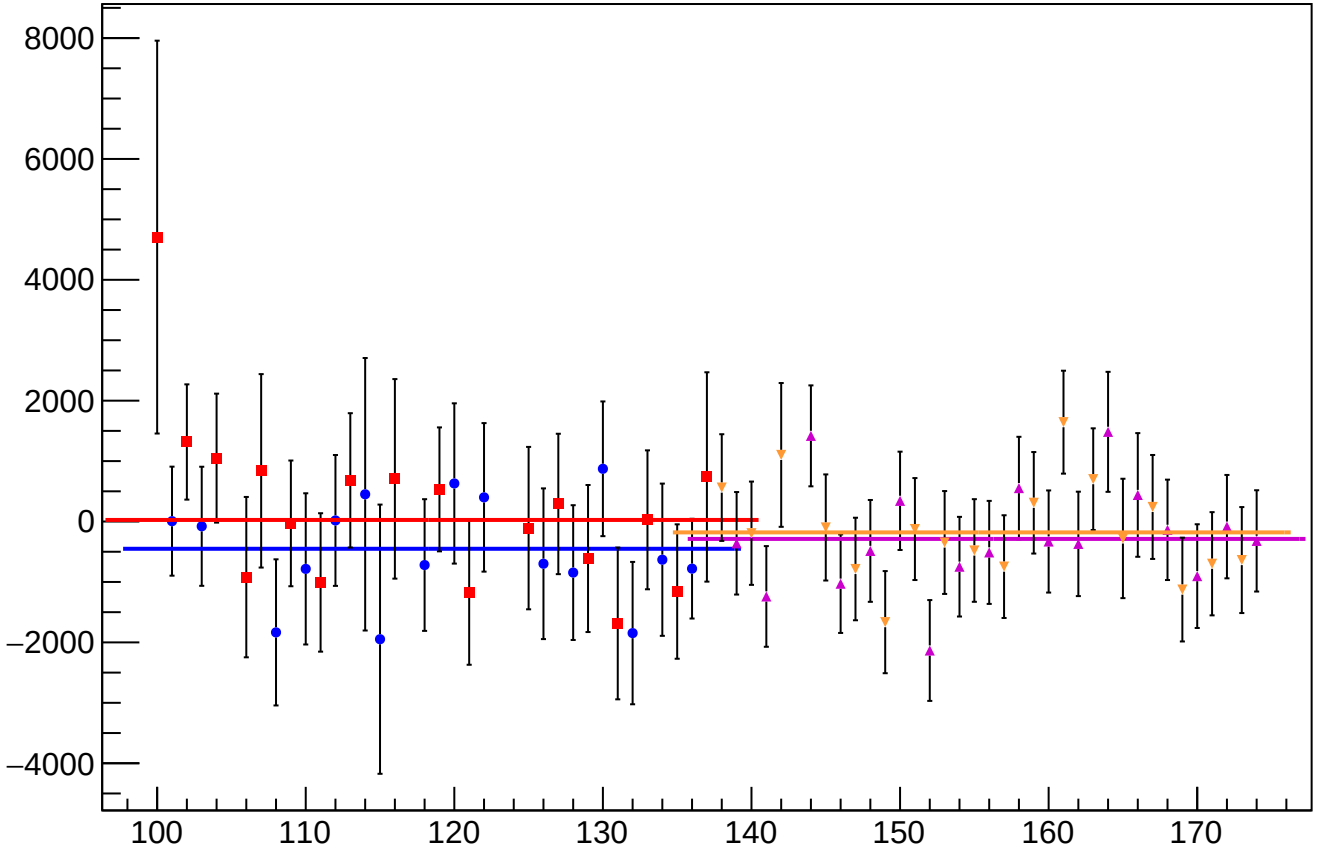
Right: 40.194+/-0.008 χ^2/NDF: 3341542.4/33

In: 47.154+/-0.007 χ^2/NDF:2167375.9/33

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

All: 46.528+/-0.005 χ^2/NDF: 4945103.5/69

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -287.788+/-201.338 χ^2/NDF:17.5/17

Left: -234.936+/-143.911 χ^2/NDF: 31.9/35

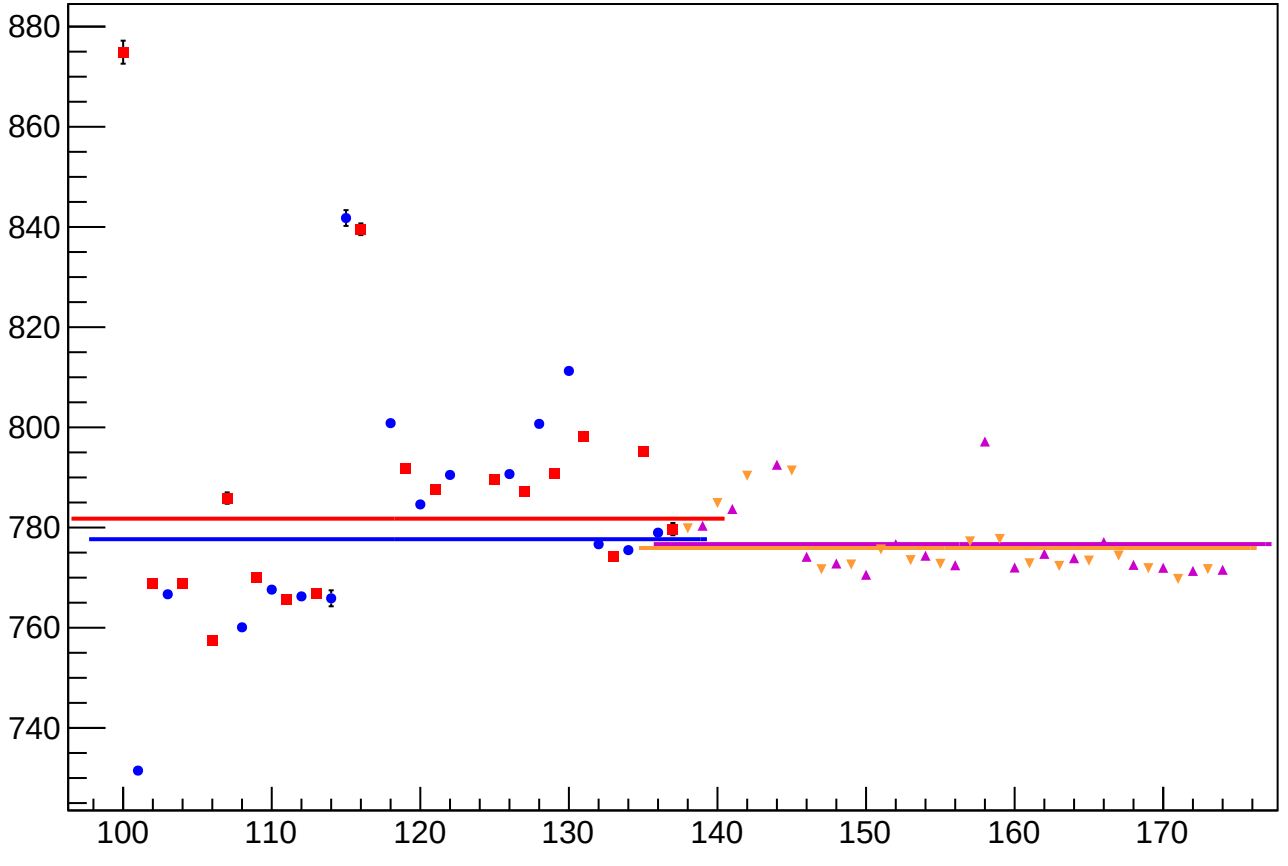
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -341.116+/-165.191 χ^2/NDF:24.7/33

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

All: -227.218+/-117.597 χ^2/NDF: 51.9/69

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

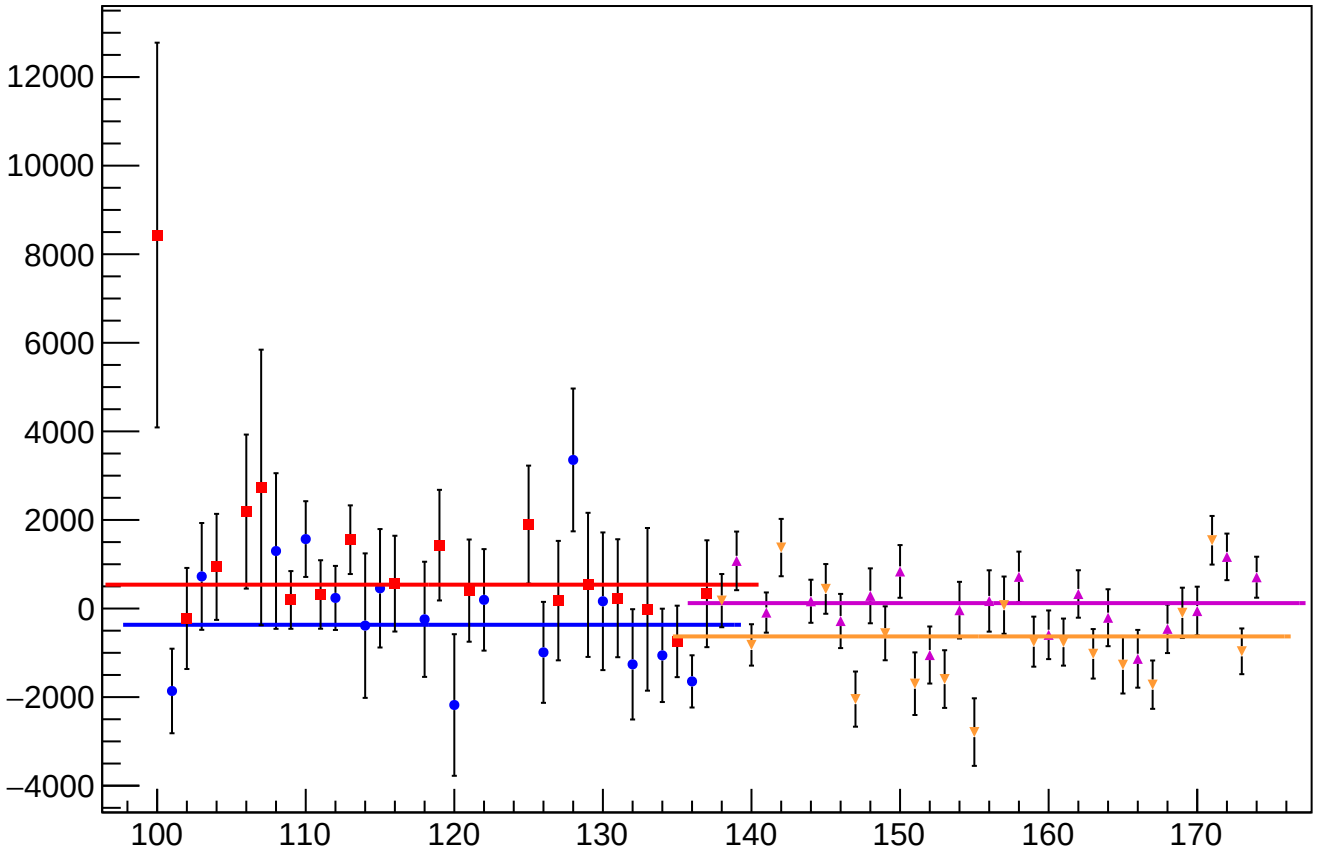
Left: 776.316+/-0.102 χ^2/NDF: 4258.9/35

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

In: 777.017+/-0.117 χ^2/NDF:14724.7/33

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

All: 777.451+/-0.083 χ^2/NDF: 24517.1/69



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

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

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

Left In: 122.207+/-133.644 χ^2/NDF:21.3/17

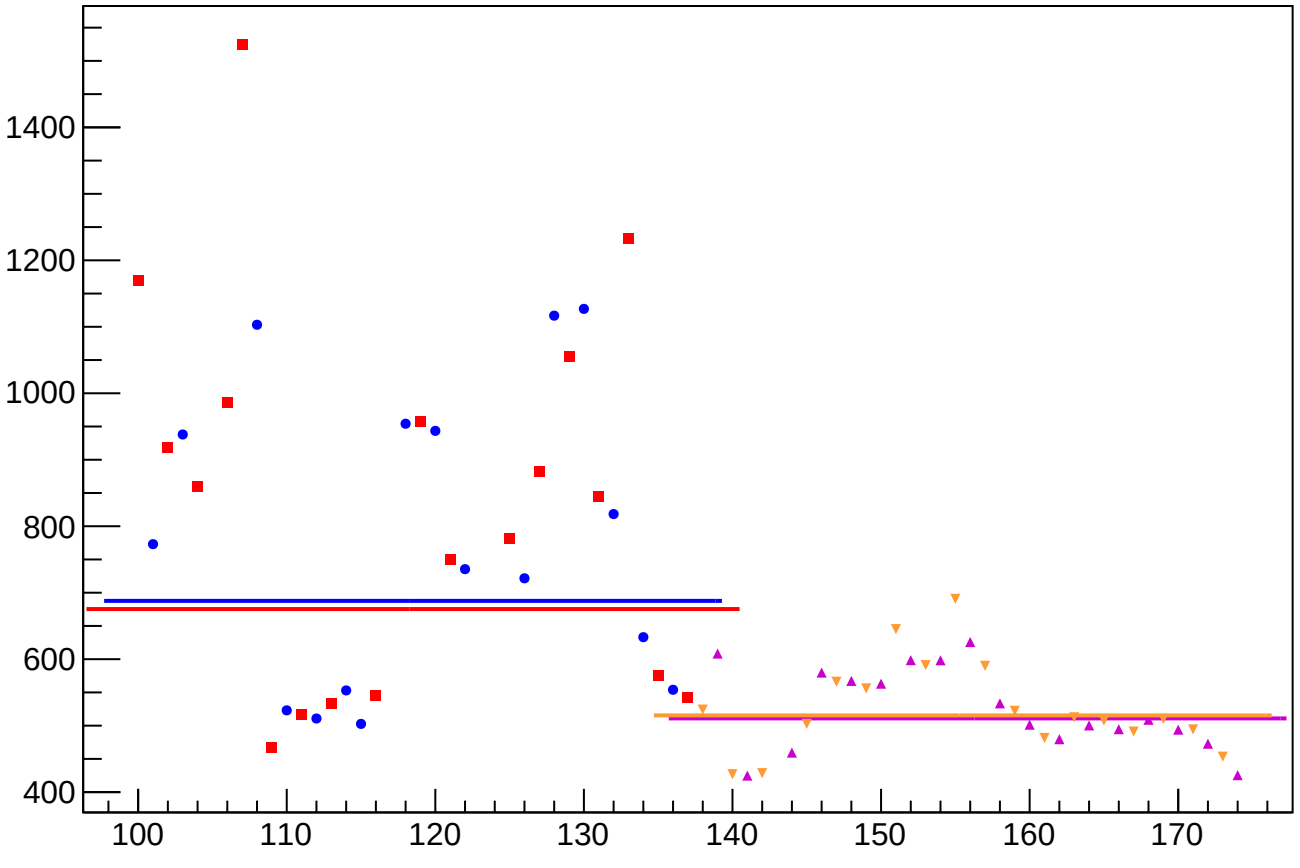
Left: -241.415+/-96.040 χ^2/NDF: 93.2/35

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

In: 24.017+/-119.482 χ^2/NDF:47.3/33

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

All: -171.873+/-85.453 χ^2/NDF: 136.5/69



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

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

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

Left In: 510.891+/-0.095 χ^2/NDF:417200.7/17

Left: 513.107+/-0.068 χ^2/NDF: 821118.2/35

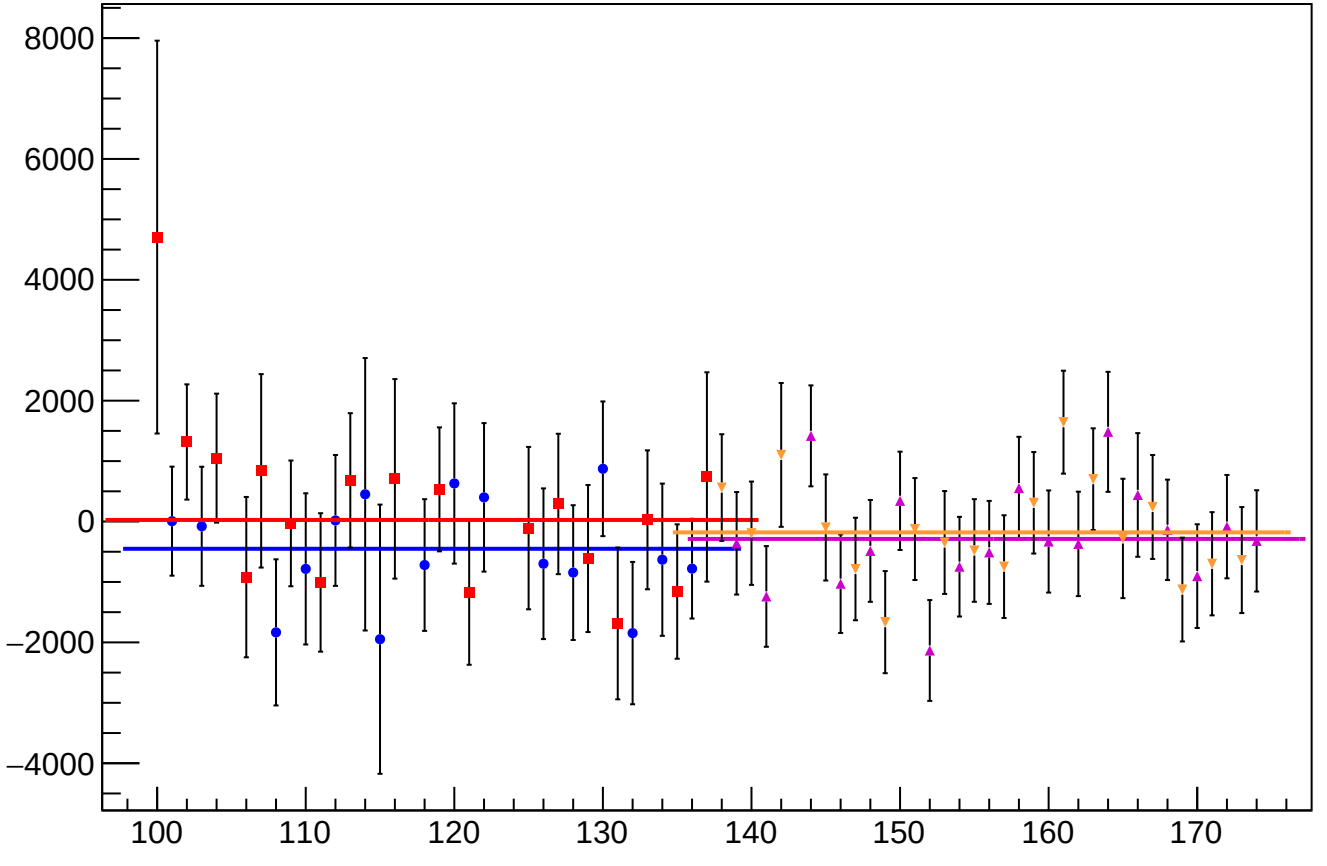
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 546.381+/-0.084 χ^2/NDF:2151833.7/33

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

All: 548.180+/-0.060 χ^2/NDF: 4448618.3/69

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -287.788+/-201.338 χ^2/NDF:17.5/17

Left: -234.936+/-143.911 χ^2/NDF: 31.9/35

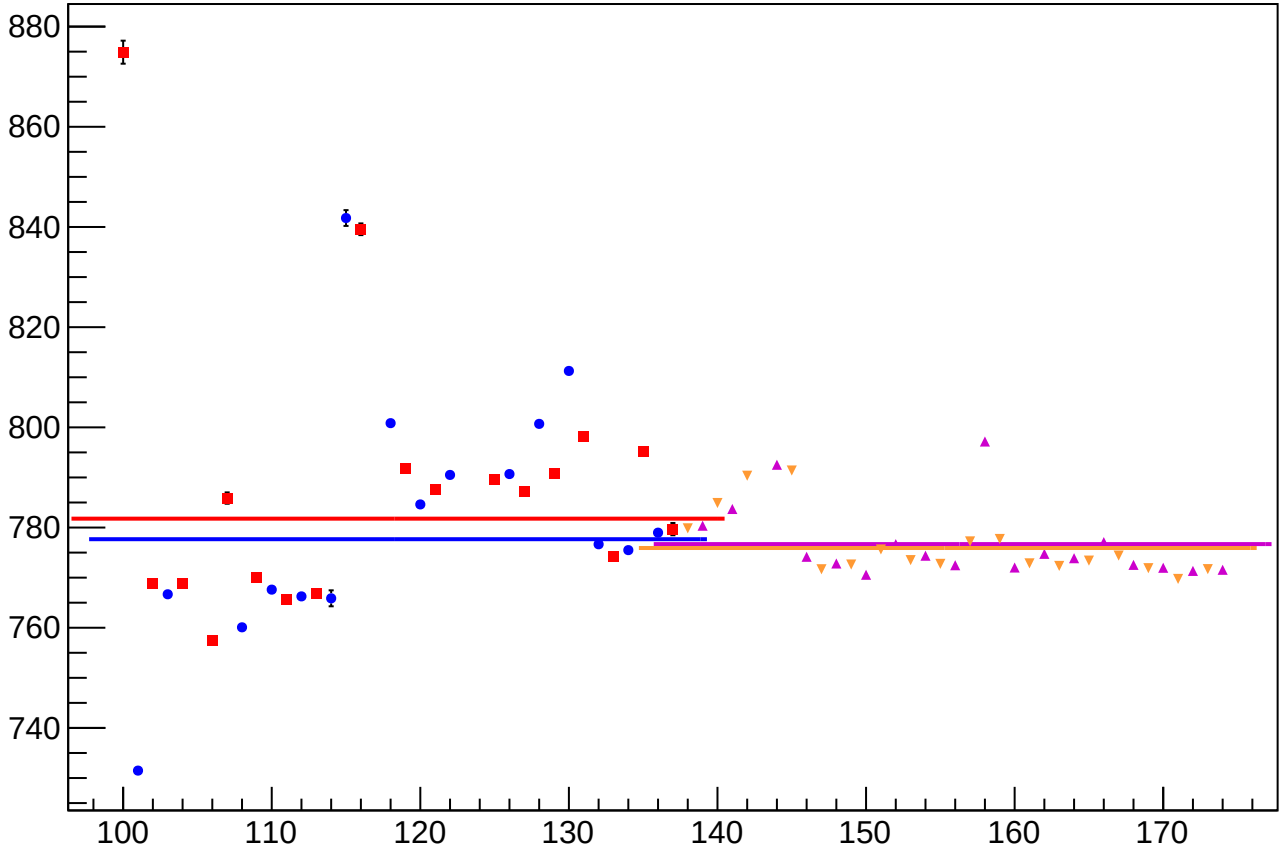
Right: -211.707+/-204.010 χ^2/NDF: 20.0/33

In: -341.116+/-165.191 χ^2/NDF:24.7/33

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

All: -227.218+/-117.597 χ^2/NDF: 51.9/69

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

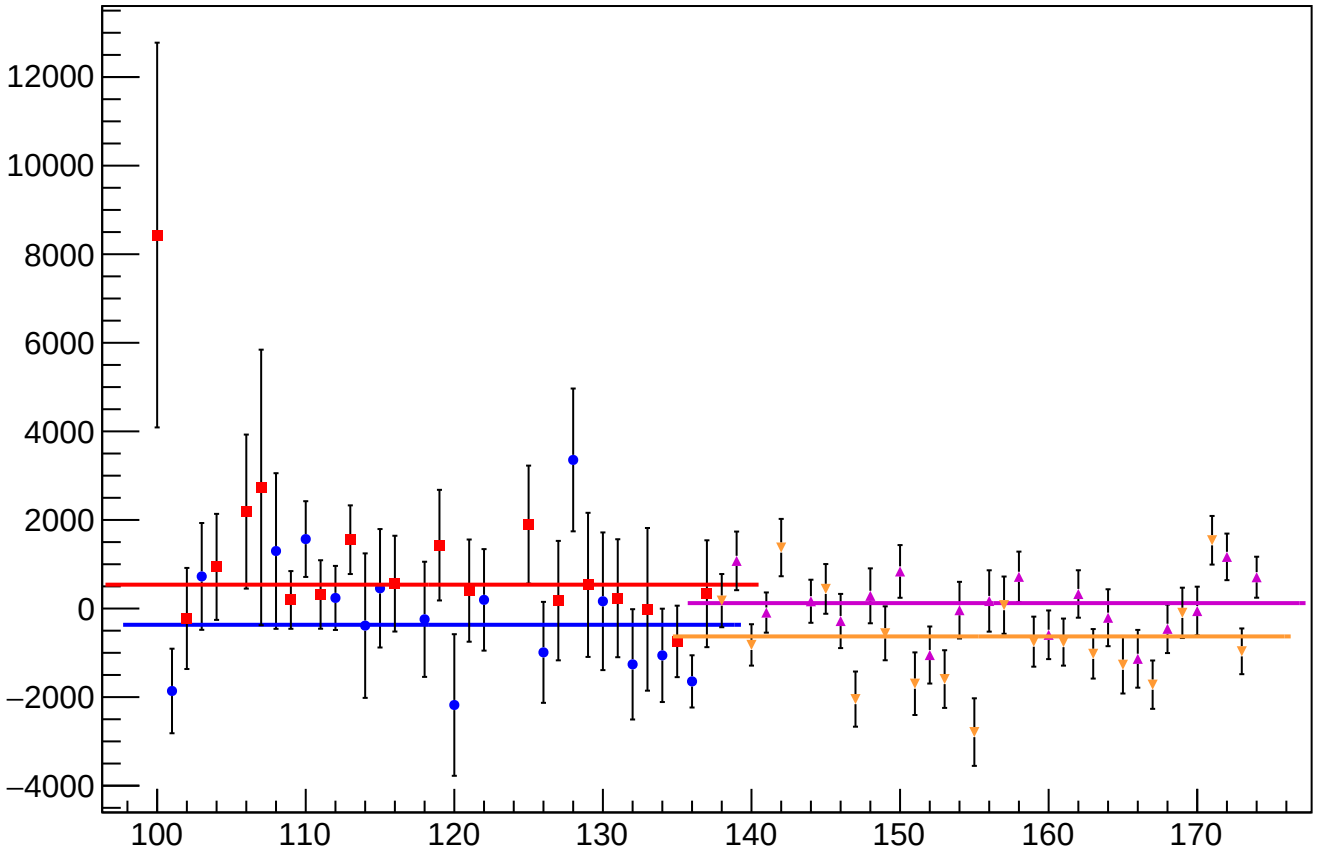
Left: 776.316+/-0.102 χ^2/NDF: 4258.9/35

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

In: 777.017+/-0.117 χ^2/NDF:14724.7/33

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

All: 777.451+/-0.083 χ^2/NDF: 24517.1/69



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

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

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

Left In: 122.207+/-133.644 χ^2/NDF:21.3/17

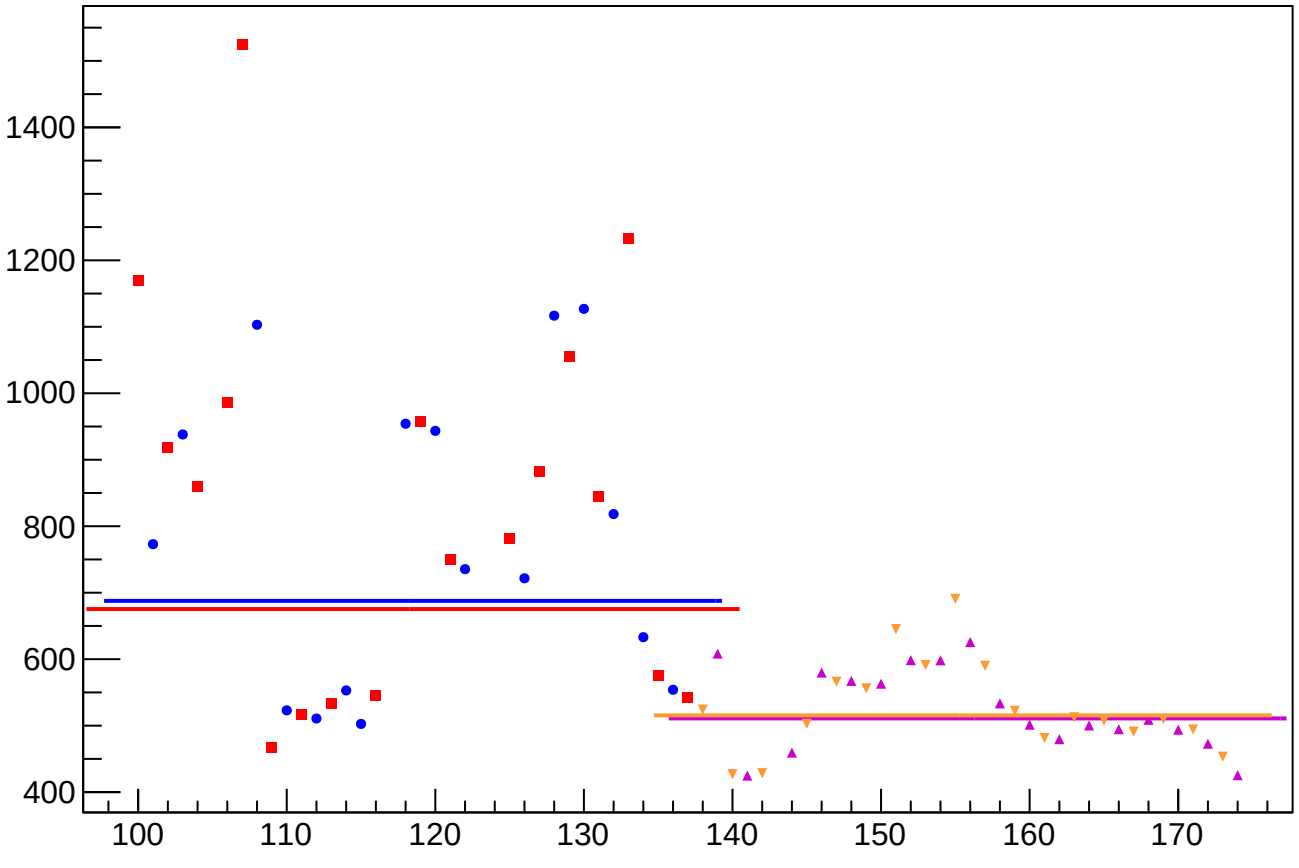
Left: -241.415+/-96.040 χ^2/NDF: 93.2/35

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

In: 24.017+/-119.482 χ^2/NDF:47.3/33

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

All: -171.873+/-85.453 χ^2/NDF: 136.5/69



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

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

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

Left In: 510.891+/-0.095 χ^2/NDF:417200.7/17

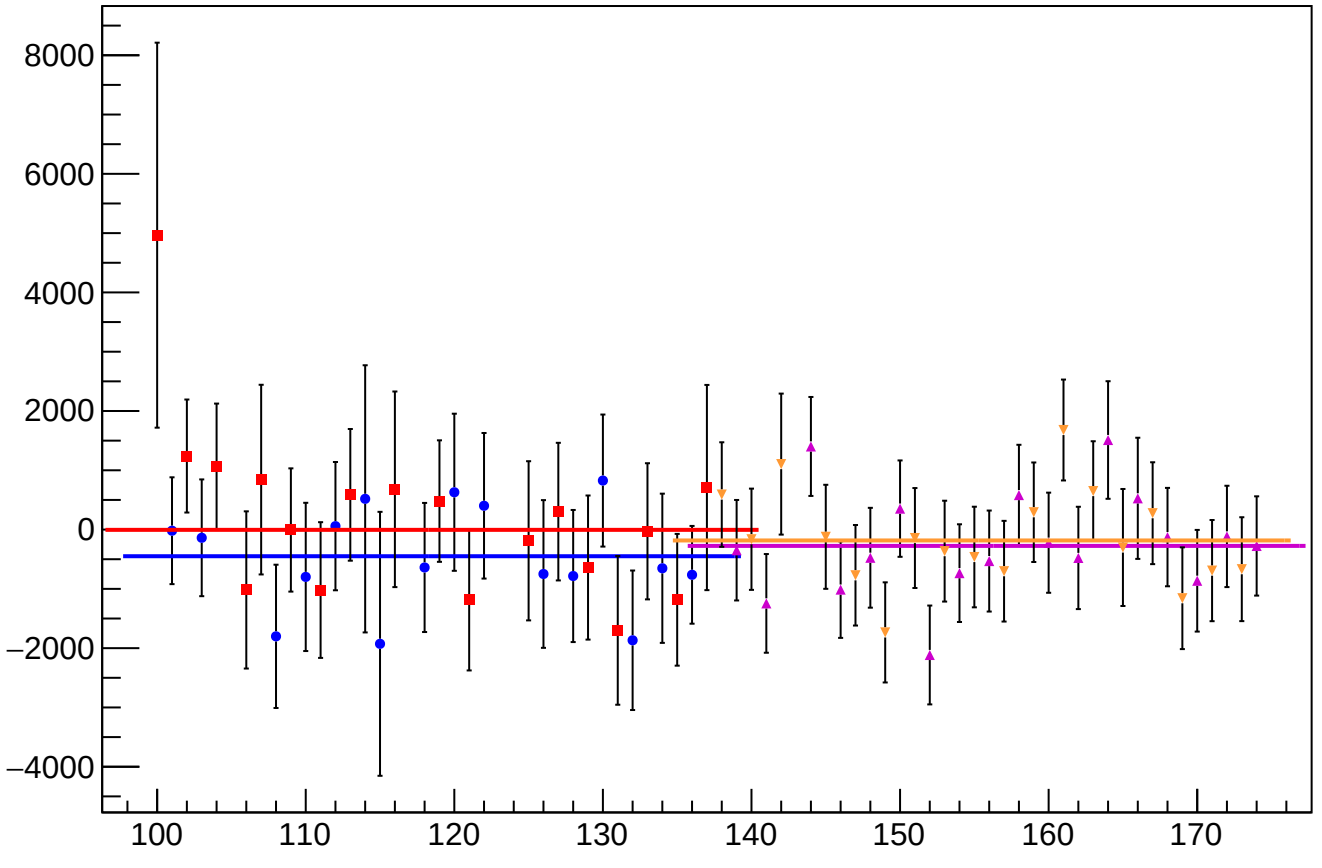
Left: 513.107+/-0.068 χ^2/NDF: 821118.2/35

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

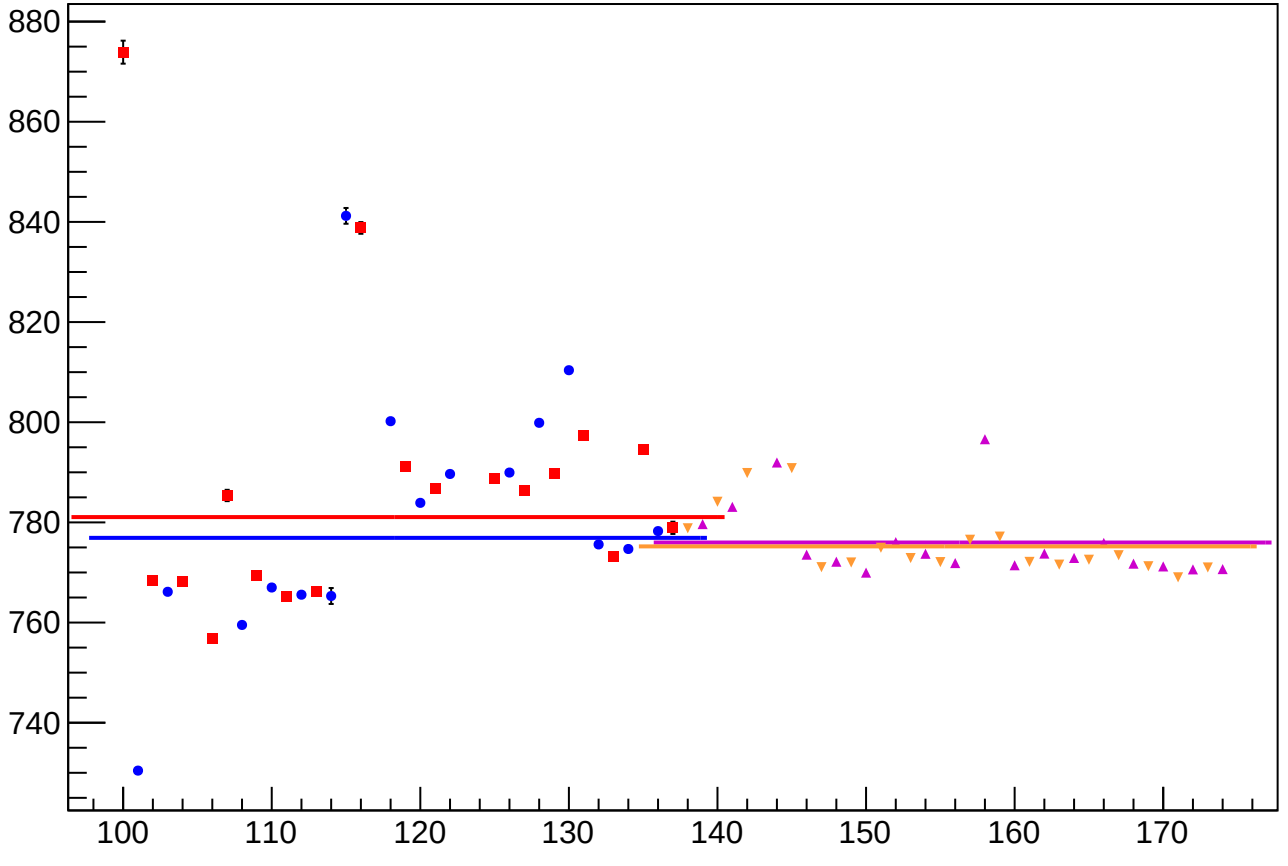
In: 546.381+/-0.084 χ^2/NDF:2151833.7/33

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

All: 548.180+/-0.060 χ^2/NDF: 4448618.3/69


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: -183.505+/-205.588 χ²/NDF:14.7/17
Right Out: -4.645+/-287.815 χ²/NDF: 11.8/17
Left In: -275.170+/-201.153 χ²/NDF:17.6/17
Left: -230.337+/-143.779 χ²/NDF: 32.4/35
Right: -226.380+/-203.817 χ²/NDF: 19.8/33
In: -332.129+/-165.036 χ²/NDF:24.6/33
Out: -123.077+/-167.293 χ²/NDF:26.8/35
All: -229.022+/-117.488 χ²/NDF: 52.2/69

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 775.982+/-0.142 χ^2/NDF:2693.3/17

Left: 775.603+/-0.102 χ^2/NDF: 4313.1/35

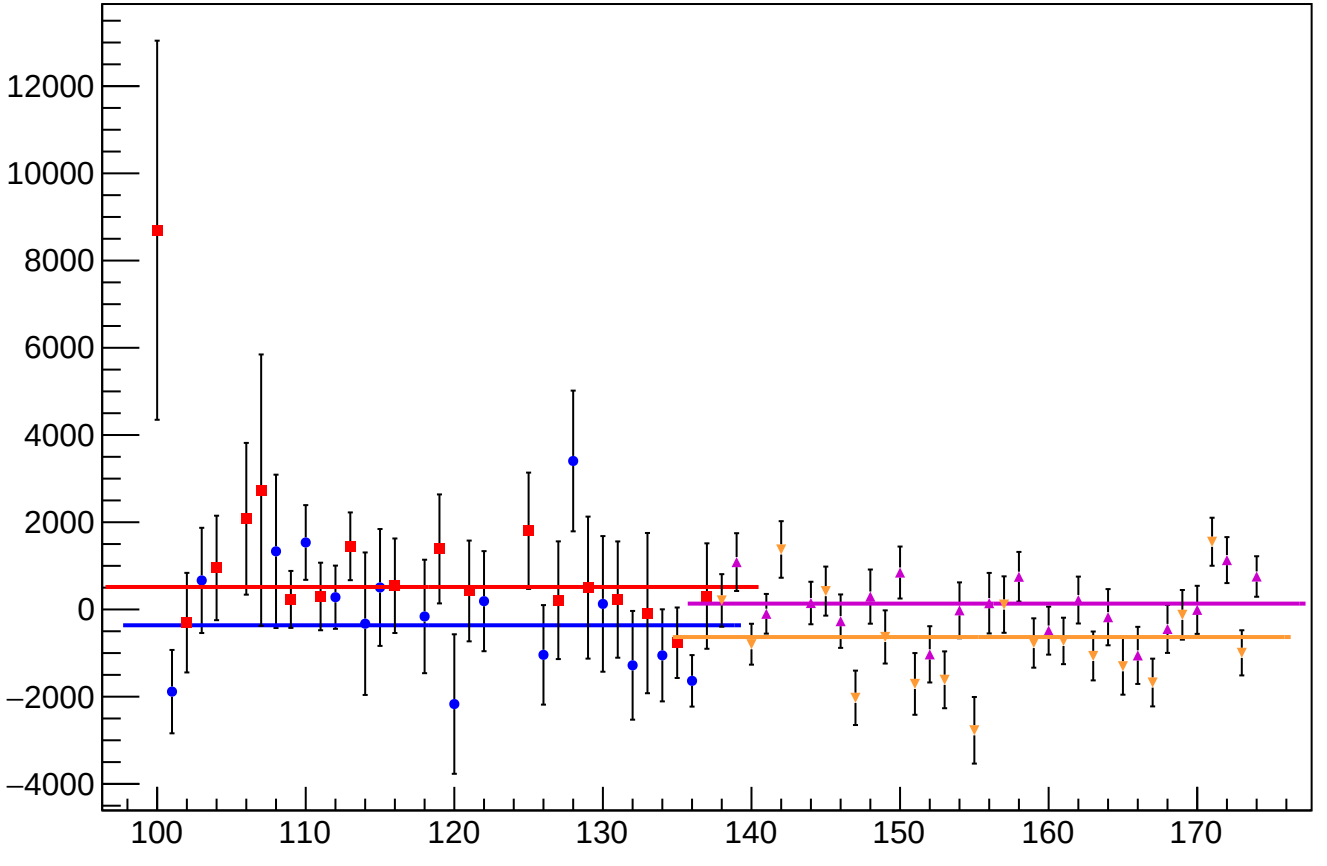
Right: 778.993+/-0.144 χ^2/NDF: 19916.4/33

In: 776.286+/-0.117 χ^2/NDF:14830.9/33

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

All: 776.730+/-0.083 χ^2/NDF: 24598.9/69

asym_us_dd_overload_cor_correction_mean vs Slug, Sign Corrected



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

Left Out: -632.528+/-138.411 χ^2/NDF:56.3/17

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

Left In: 133.895+/-133.951 χ^2/NDF:20.1/17

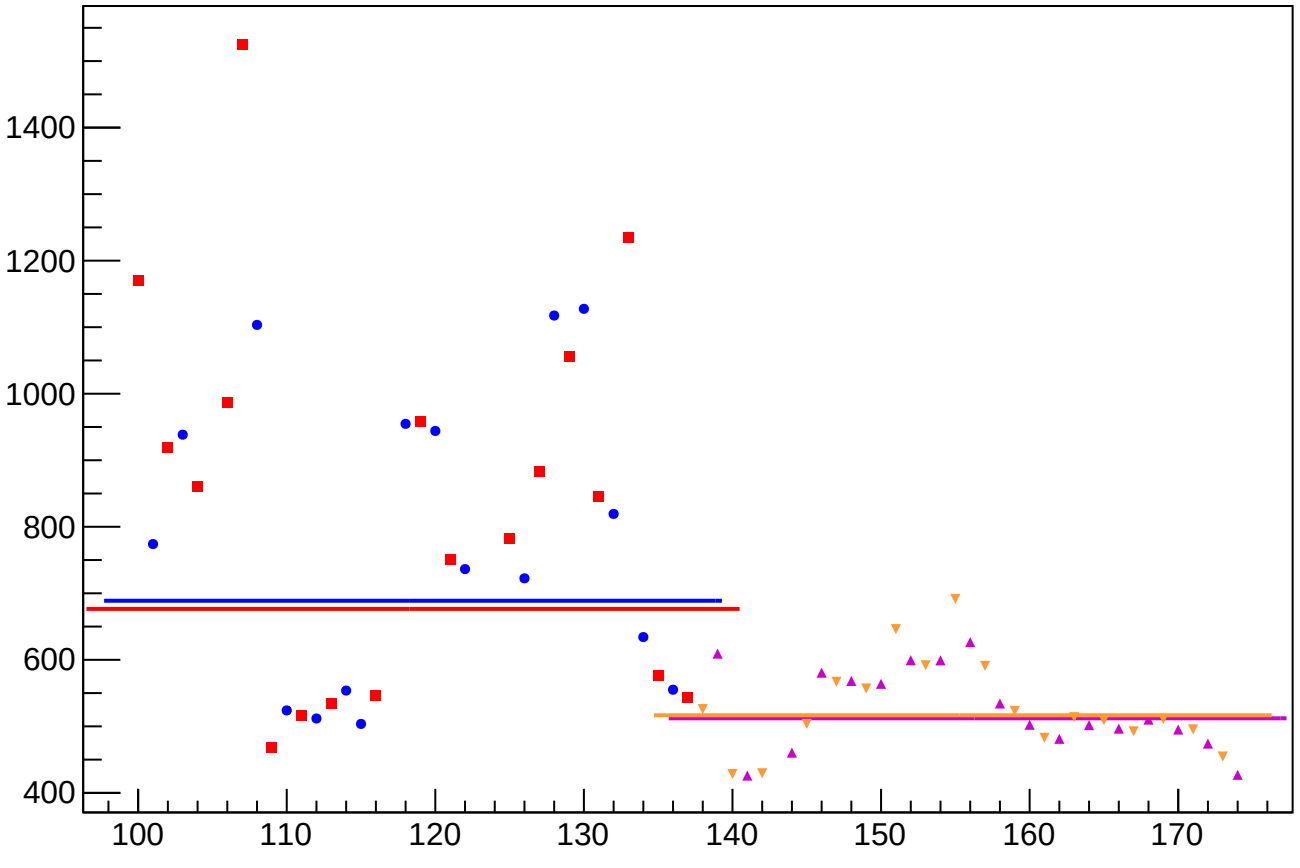
Left: -236.770+/-96.256 χ^2/NDF: 92.2/35

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

In: 34.067+/-119.736 χ^2/NDF:46.2/33

Out: -384.017+/-122.515 χ^2/NDF:82.6/35

All: -170.180+/-85.632 χ^2/NDF: 134.8/69



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

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

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

Left In: 512.111+/-0.095 χ^2/NDF:412814.4/17

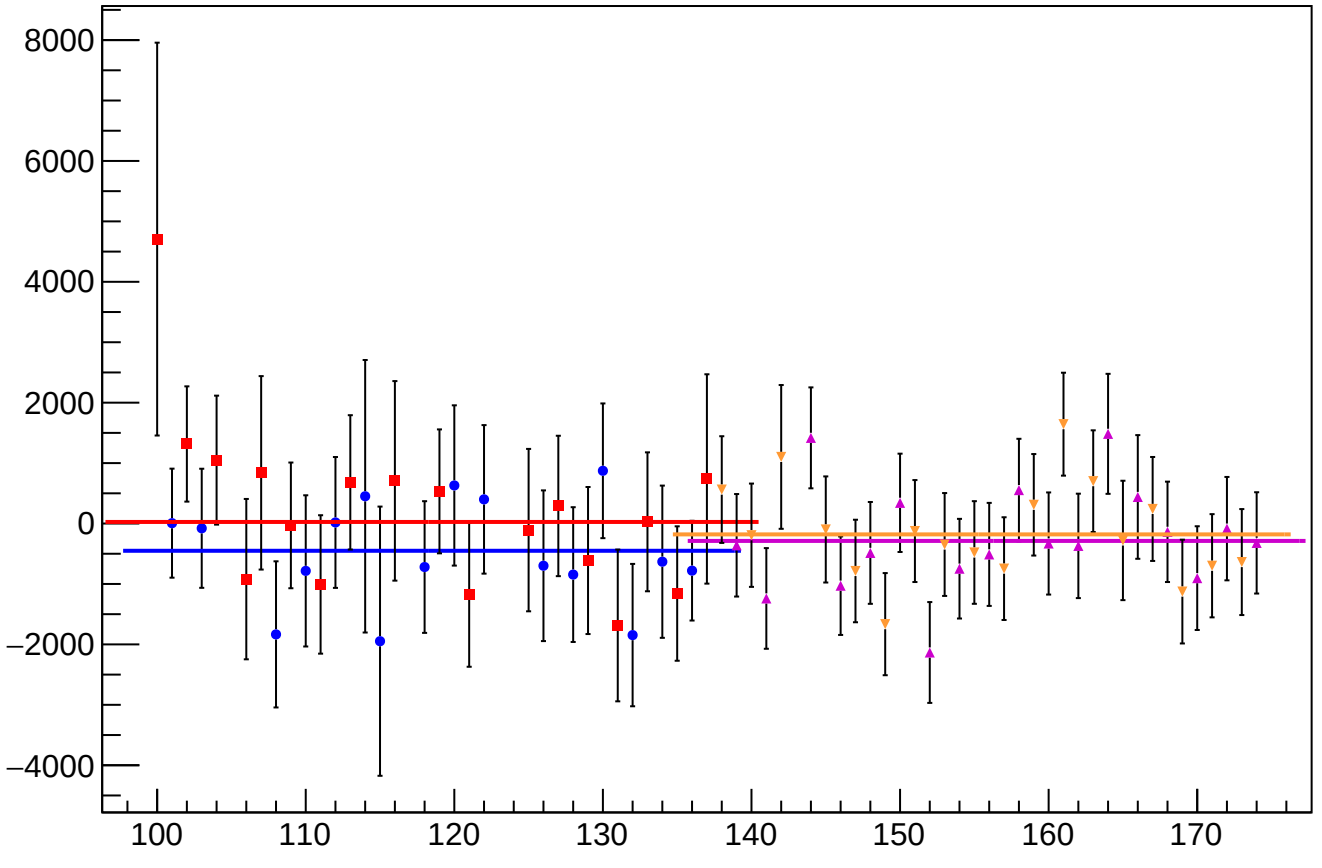
Left: 514.308+/-0.068 χ^2/NDF: 813275.2/35

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

In: 547.627+/-0.085 χ^2/NDF:2140531.3/33

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

All: 549.411+/-0.061 χ^2/NDF: 4426846.9/69



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

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

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

Left In: -287.788+/-201.338 χ^2/NDF:17.5/17

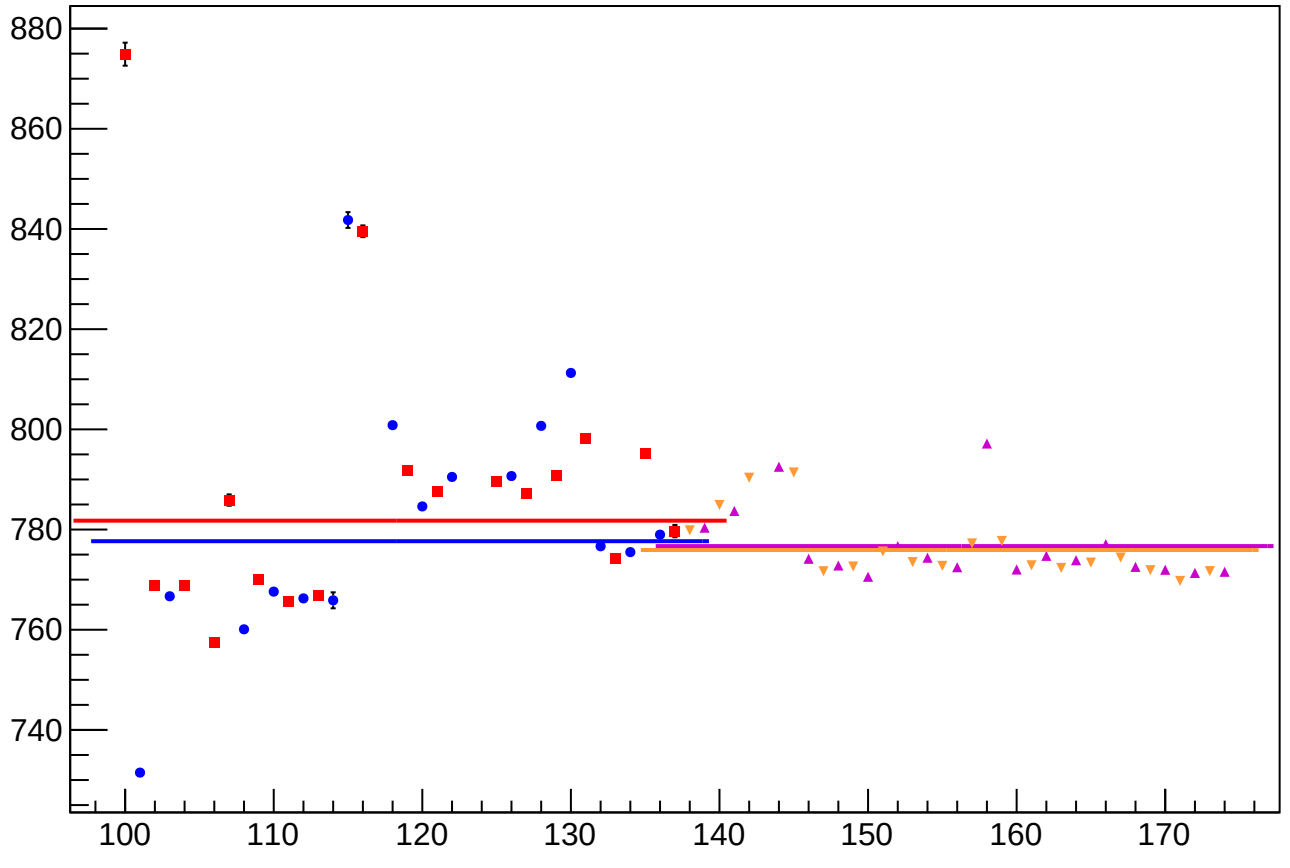
Left: -234.936+/-143.911 χ^2/NDF: 31.9/35

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

In: -341.116+/-165.191 χ^2/NDF:24.7/33

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

All: -227.218+/-117.597 χ^2/NDF: 51.9/69



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

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

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

Left In: 776.697+/-0.142 χ^2/NDF:2653.8/17

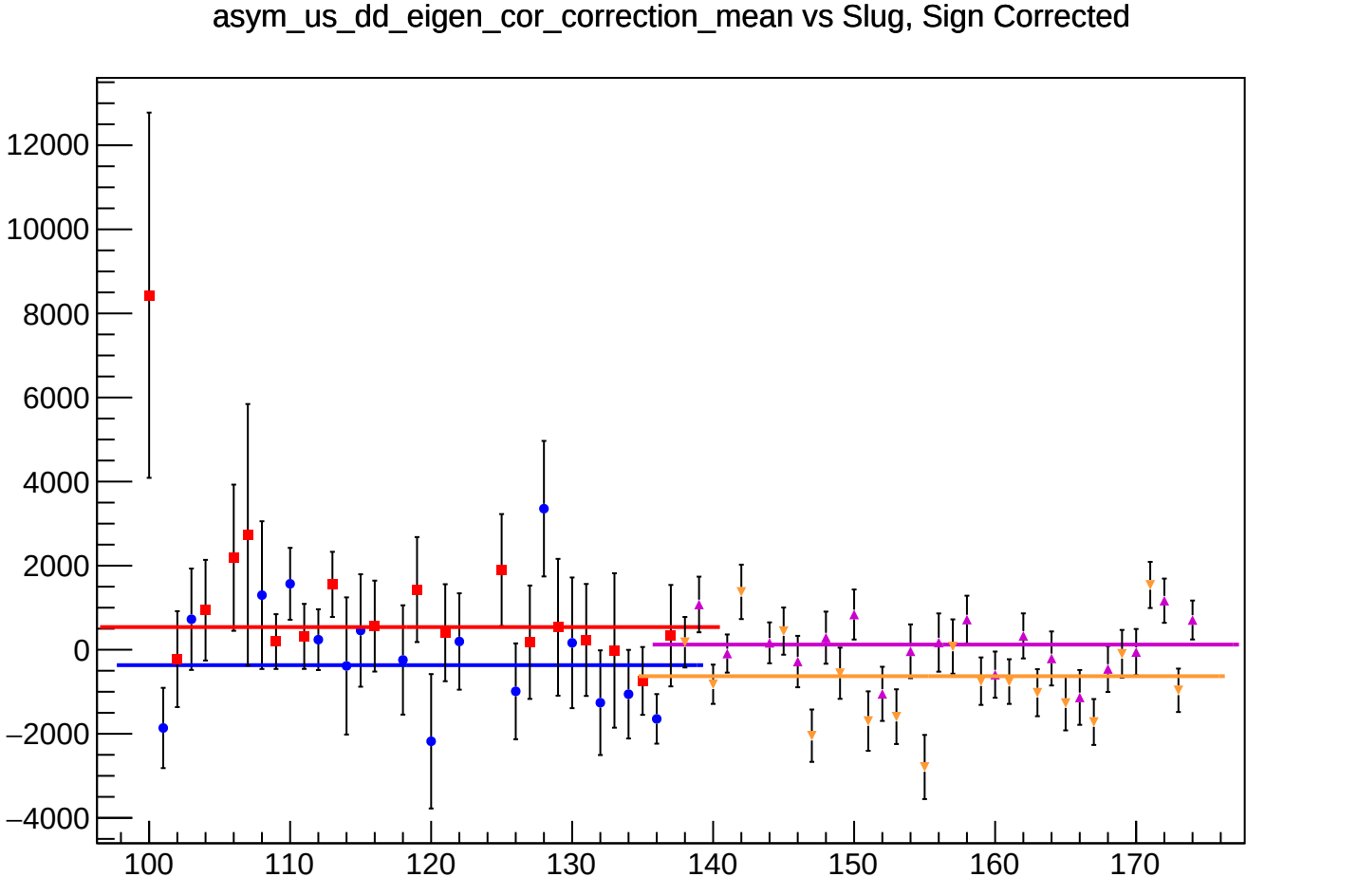
Left: 776.316+/-0.102 χ^2/NDF: 4258.9/35

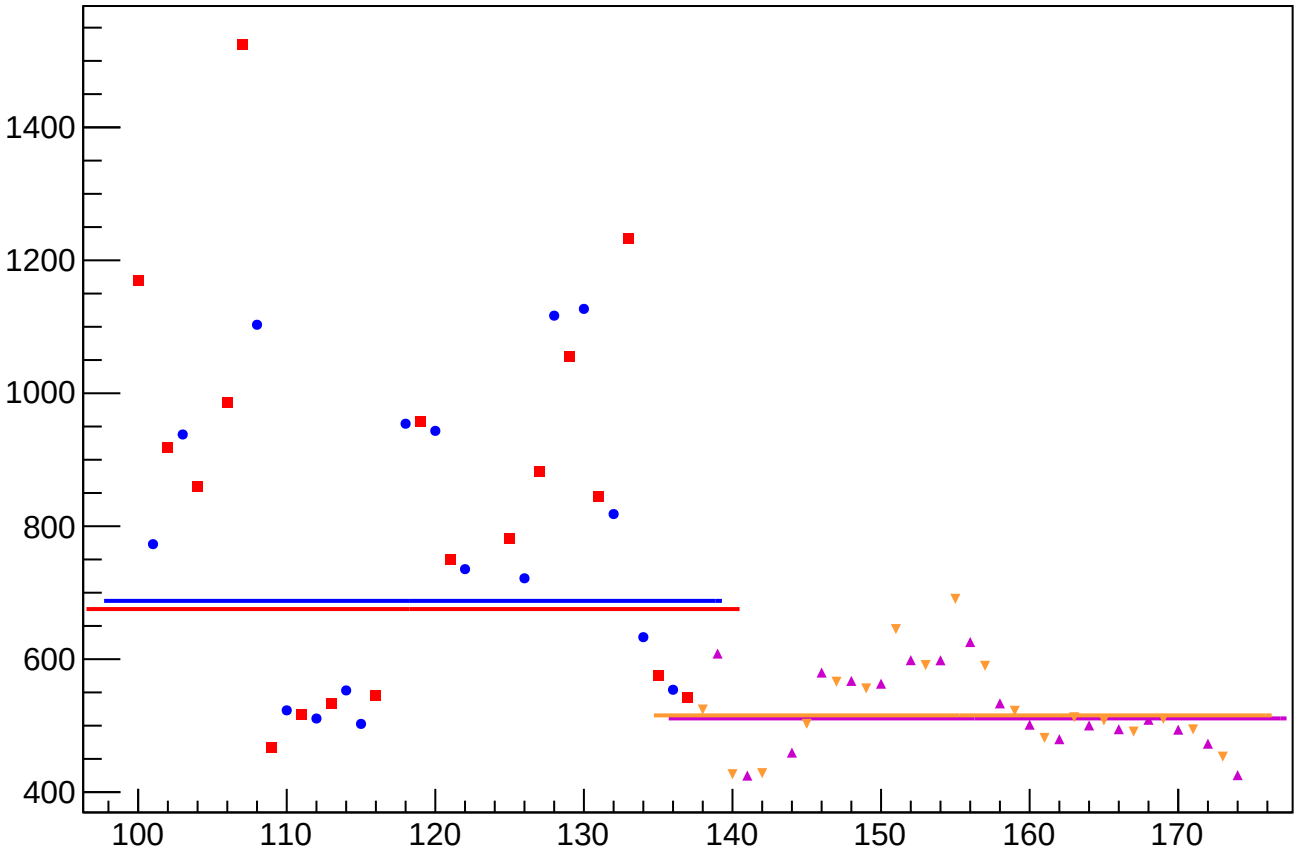
Right: 779.732+/-0.144 χ^2/NDF: 19883.9/33

In: 777.017+/-0.117 χ^2/NDF:14724.7/33

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

All: 777.451+/-0.083 χ^2/NDF: 24517.1/69


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -367.008+/-266.698 χ²/NDF: 23.3/15
Left Out: -629.725+/-138.107 χ²/NDF:56.6/17
Right Out: 538.887+/-262.907 χ²/NDF: 11.7/17
Left In: 122.207+/-133.644 χ²/NDF:21.3/17
Left: -241.415+/-96.040 χ²/NDF: 93.2/35
Right: 92.424+/-187.229 χ²/NDF: 40.8/33
In: 24.017+/-119.482 χ²/NDF:47.3/33
Out: -376.991+/-122.264 χ²/NDF:83.7/35
All: -171.873+/-85.453 χ²/NDF: 136.5/69



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

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

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

Left In: 510.891+/-0.095 χ^2/NDF:417200.7/17

Left: 513.107+/-0.068 χ^2/NDF: 821118.2/35

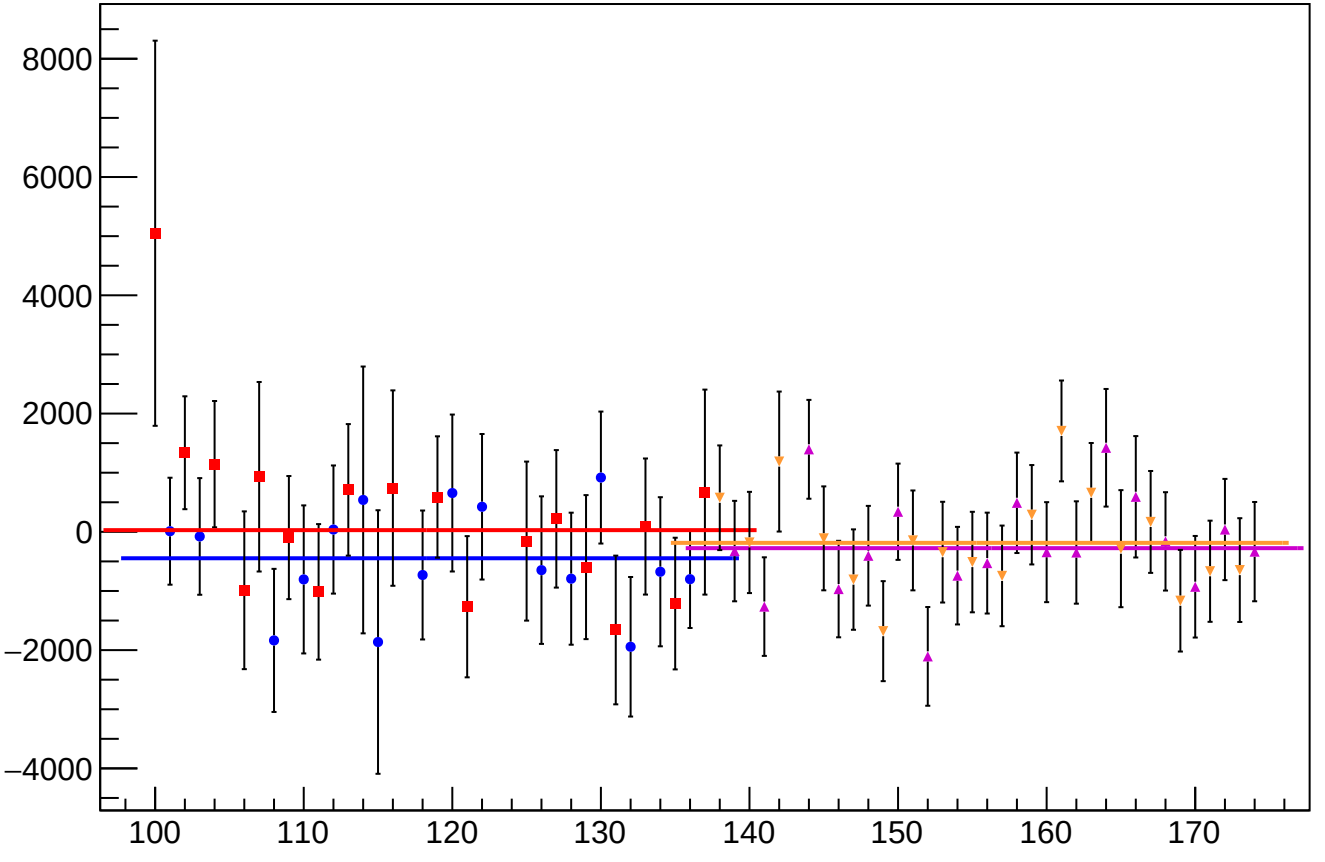
Right: 681.475+/-0.132 χ^2/NDF: 2347071.2/33

In: 546.381+/-0.084 χ^2/NDF:2151833.7/33

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

All: 548.180+/-0.060 χ^2/NDF: 4448618.3/69

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -275.986+/-201.540 χ^2/NDF:17.1/17

Left: -232.045+/-144.046 χ^2/NDF: 31.9/35

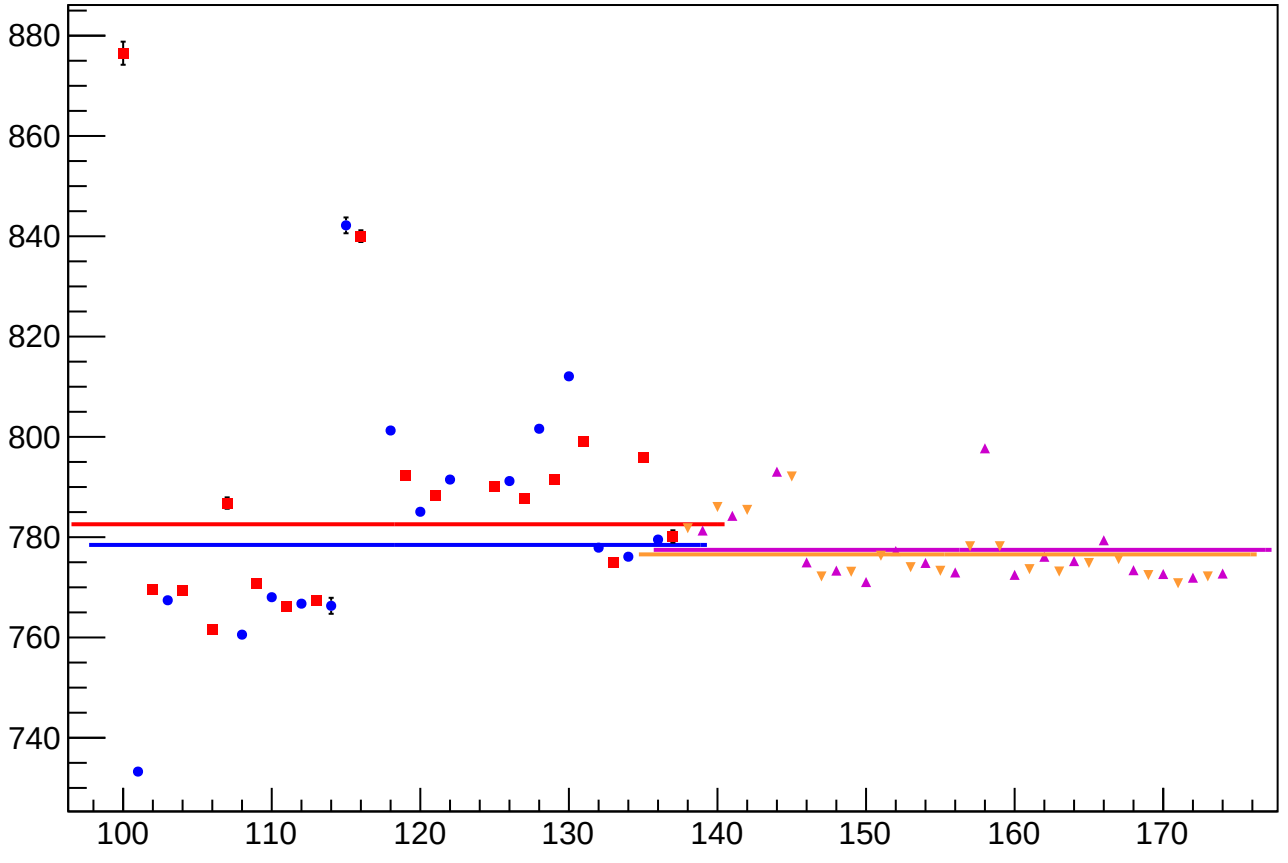
Right: -208.223+/-204.216 χ^2/NDF: 21.3/33

In: -331.768+/-165.356 χ^2/NDF:24.7/33

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

All: -224.131+/-117.710 χ^2/NDF: 53.2/69

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 777.473+/-0.143 χ^2/NDF:2622.9/17

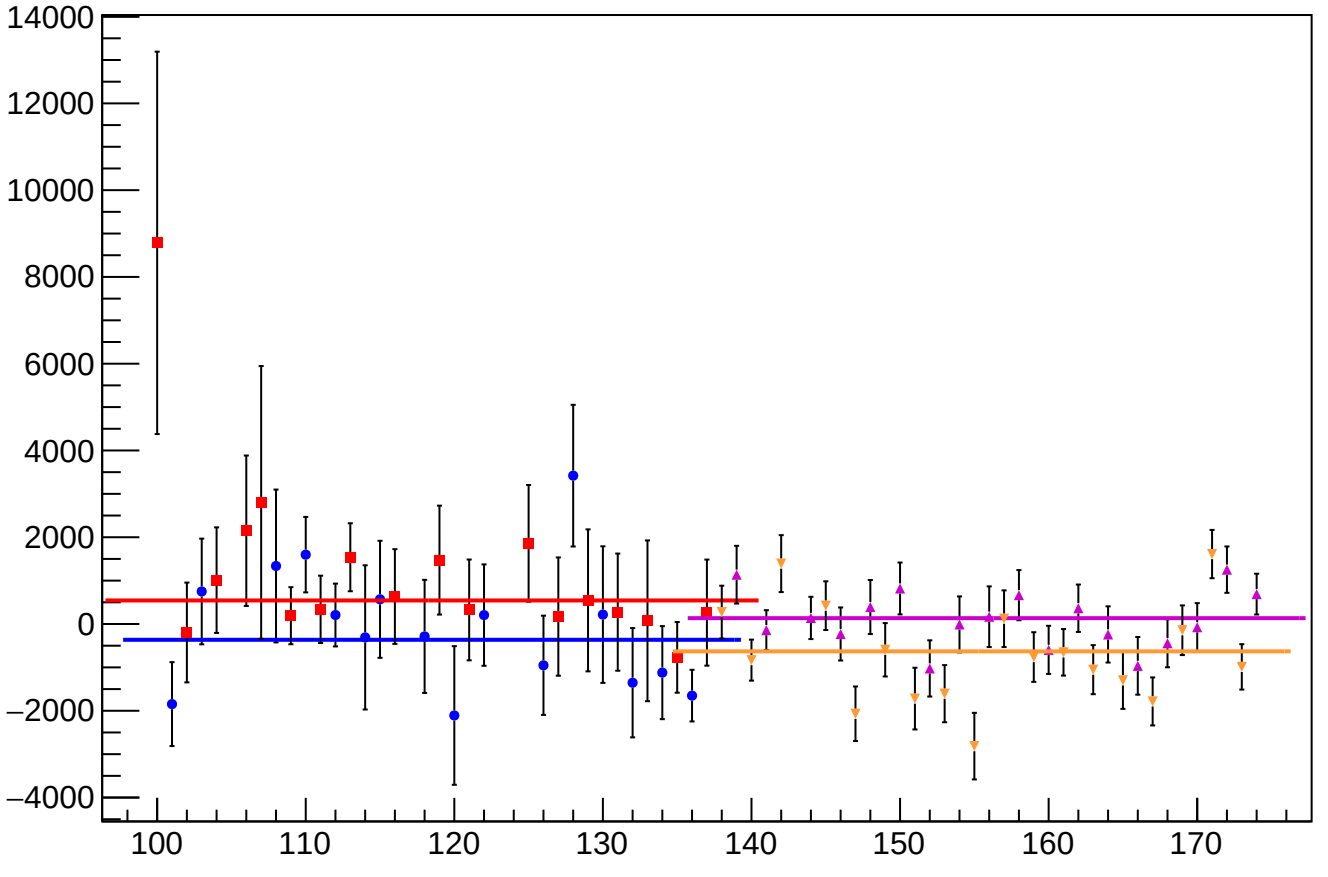
Left: 777.031+/-0.102 χ^2/NDF: 4095.2/35

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

In: 777.794+/-0.117 χ^2/NDF:14433.7/33

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

All: 778.191+/-0.083 χ^2/NDF: 23965.5/69



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

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

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

Left In: 134.663+/-135.018 χ^2/NDF:20.5/17

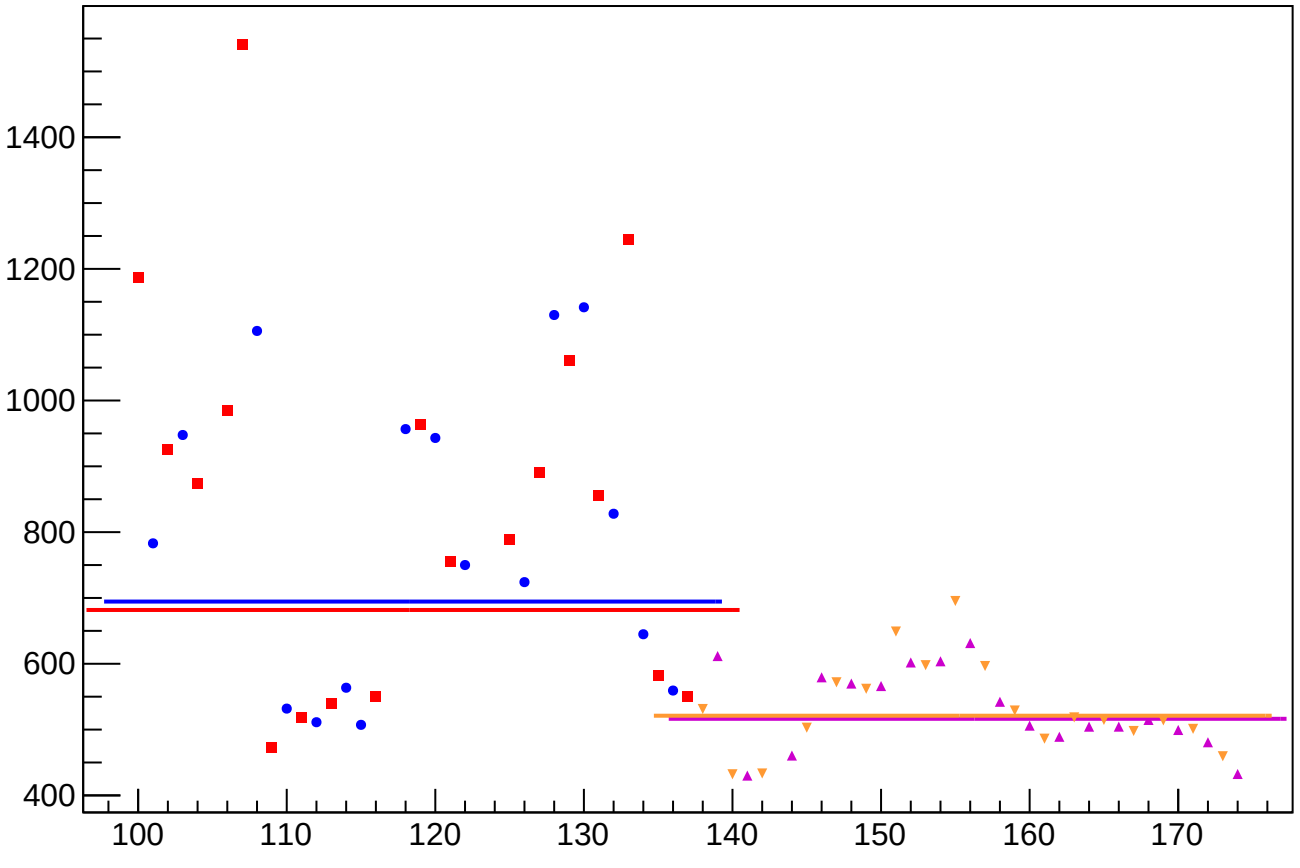
Left: -235.147+/-97.044 χ^2/NDF: 94.1/35

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

In: 34.508+/-120.699 χ^2/NDF:46.6/33

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

All: -165.987+/-86.328 χ^2/NDF: 137.3/69



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

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

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

Left In: 516.381+/-0.095 χ^2/NDF:399069.1/17

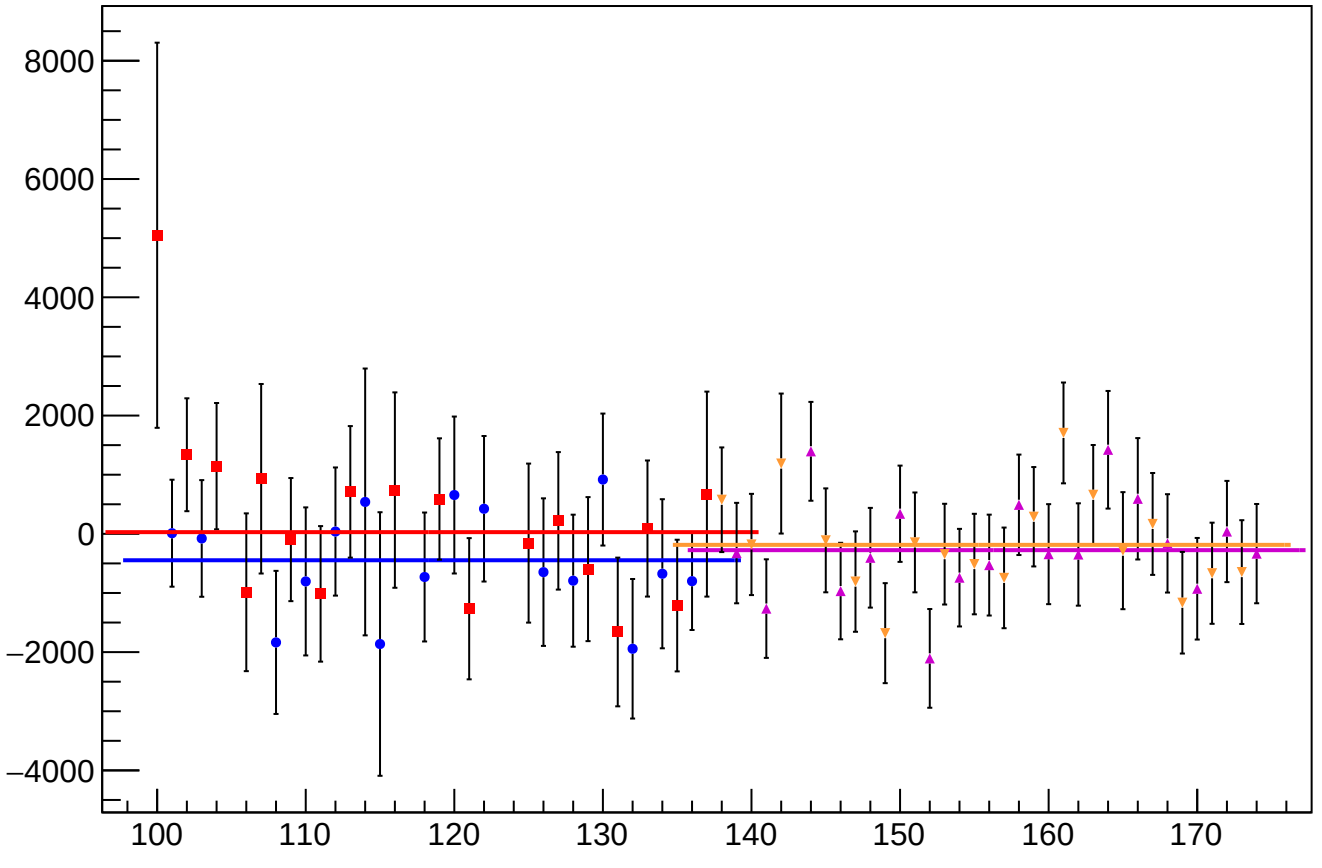
Left: 518.651+/-0.069 χ^2/NDF: 796290.1/35

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

In: 552.162+/-0.085 χ^2/NDF:2128250.2/33

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

All: 553.994+/-0.061 χ^2/NDF: 4411151.9/69



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

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

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

Left In: -275.986+/-201.540 χ^2/NDF:17.1/17

Left: -232.046+/-144.046 χ^2/NDF: 31.9/35

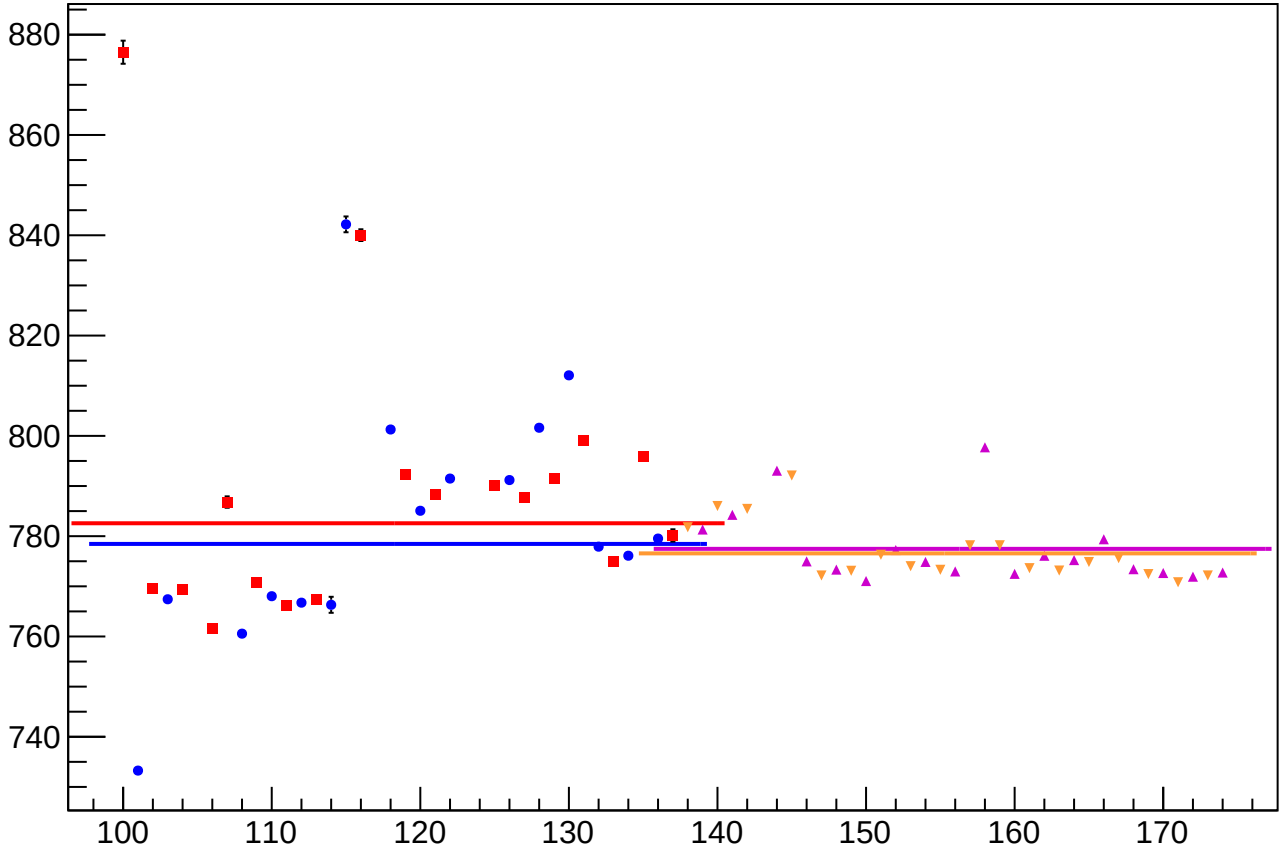
Right: -208.224+/-204.216 χ^2/NDF: 21.3/33

In: -331.768+/-165.356 χ^2/NDF:24.7/33

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

All: -224.131+/-117.710 χ^2/NDF: 53.2/69

eigen_dit_asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 777.473+/-0.143 χ^2/NDF:2622.9/17

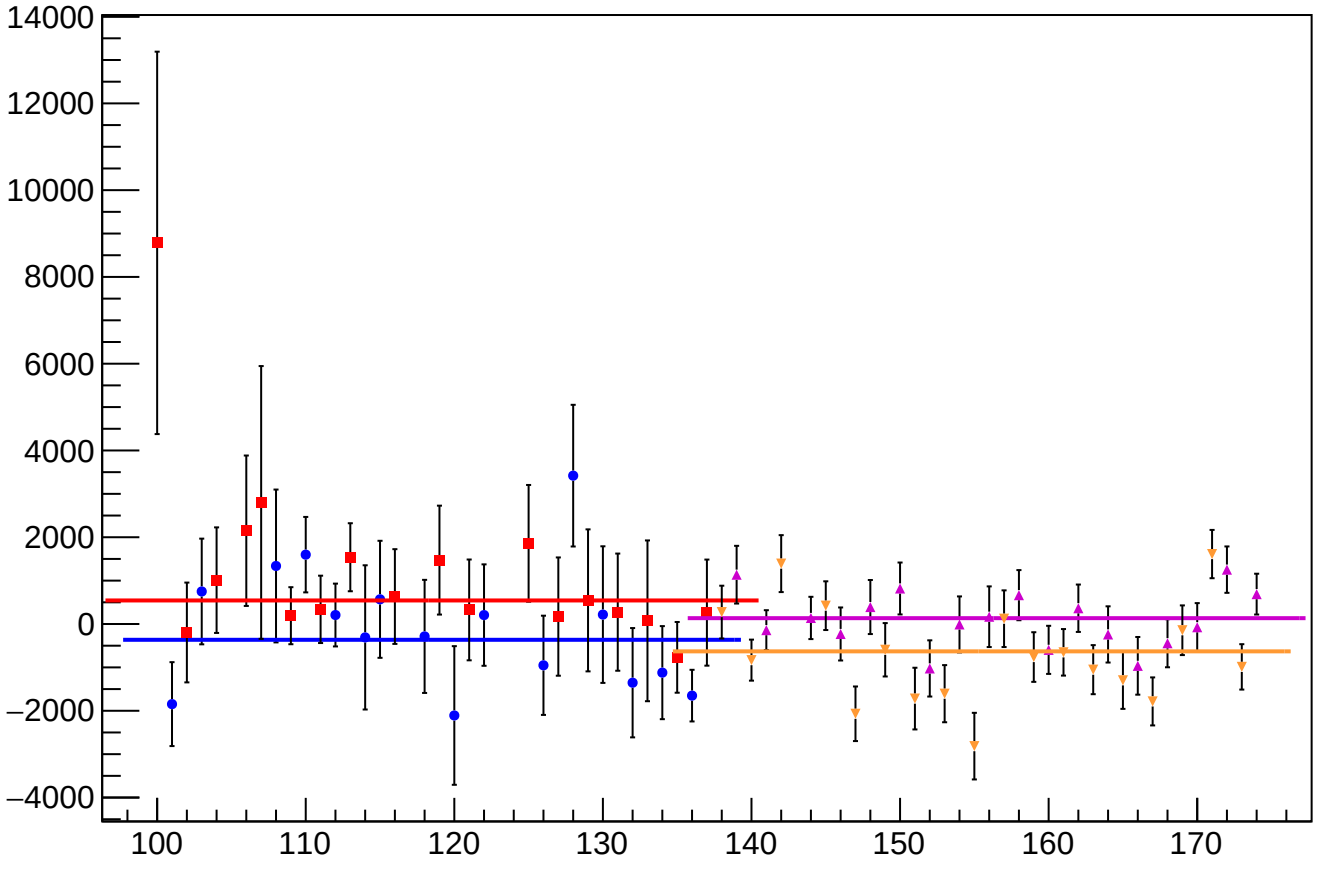
Left: 777.031+/-0.102 χ^2/NDF: 4095.2/35

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

In: 777.794+/-0.117 χ^2/NDF:14433.6/33

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

All: 778.191+/-0.083 χ^2/NDF: 23965.4/69



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

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

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

Left In: 134.662+/-135.018 χ^2/NDF:20.5/17

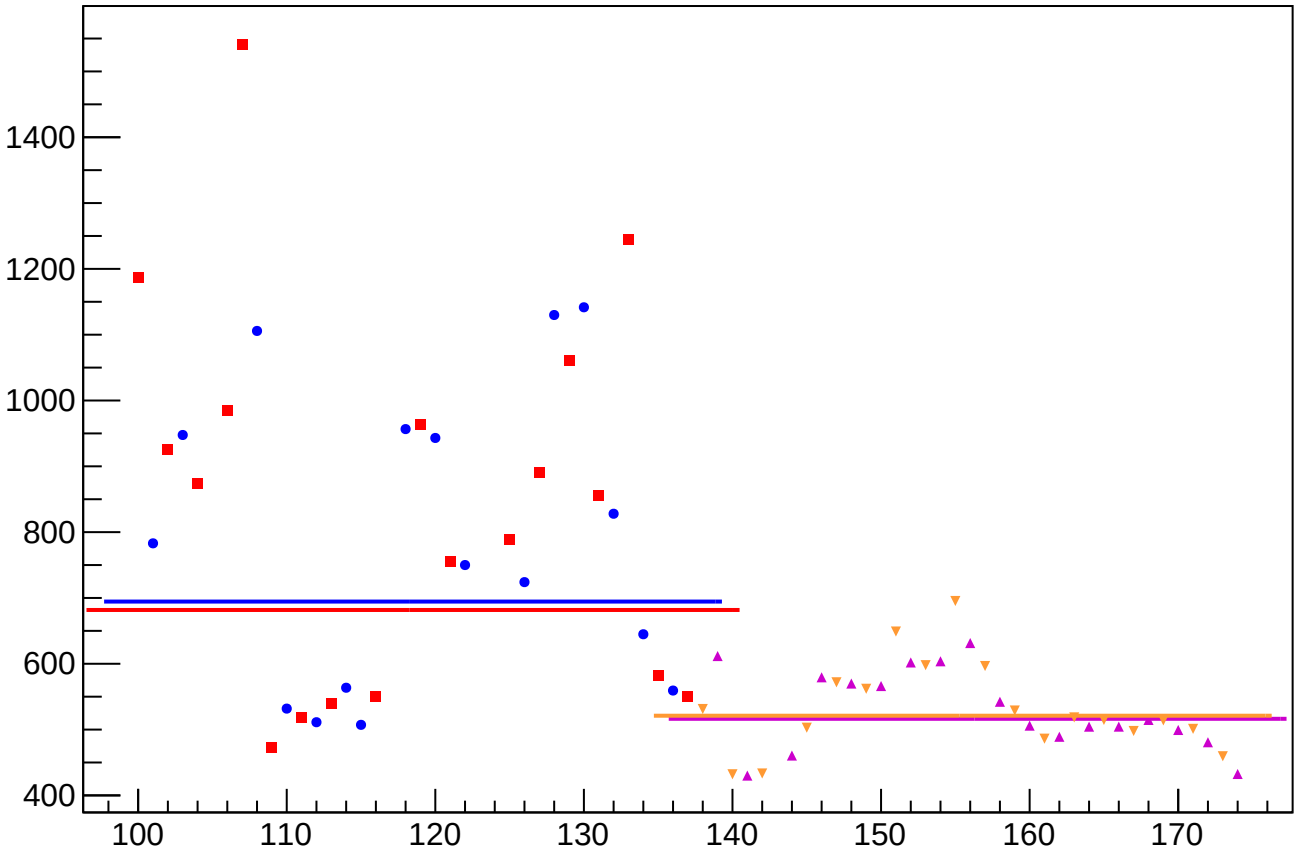
Left: -235.147+/-97.044 χ^2/NDF: 94.1/35

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

In: 34.508+/-120.699 χ^2/NDF:46.6/33

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

All: -165.987+/-86.328 χ^2/NDF: 137.3/69



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

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

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

Left In: 516.381+/-0.095 χ^2/NDF:399082.0/17

Left: 518.651+/-0.069 χ^2/NDF: 796314.6/35

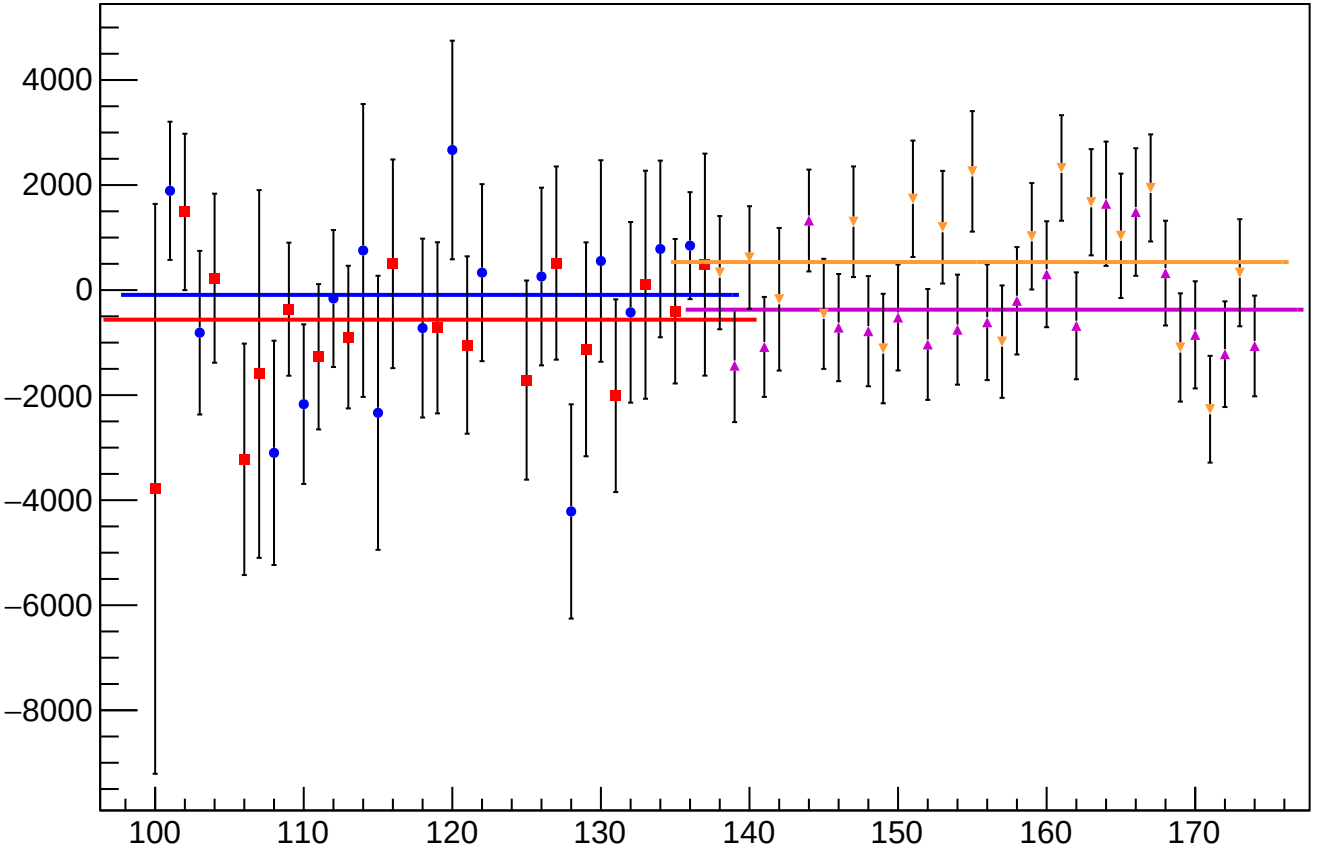
Right: 688.033+/-0.134 χ^2/NDF: 2343525.0/33

In: 552.161+/-0.085 χ^2/NDF:2128251.5/33

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

All: 553.994+/-0.061 χ^2/NDF: 4411164.0/69

asym_us_dd_mean vs Slug, Sign Corrected



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

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

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

Left In: -372.694+/-243.588 χ^2/NDF:13.2/17

Left: 68.543+/-174.510 χ^2/NDF: 46.9/35

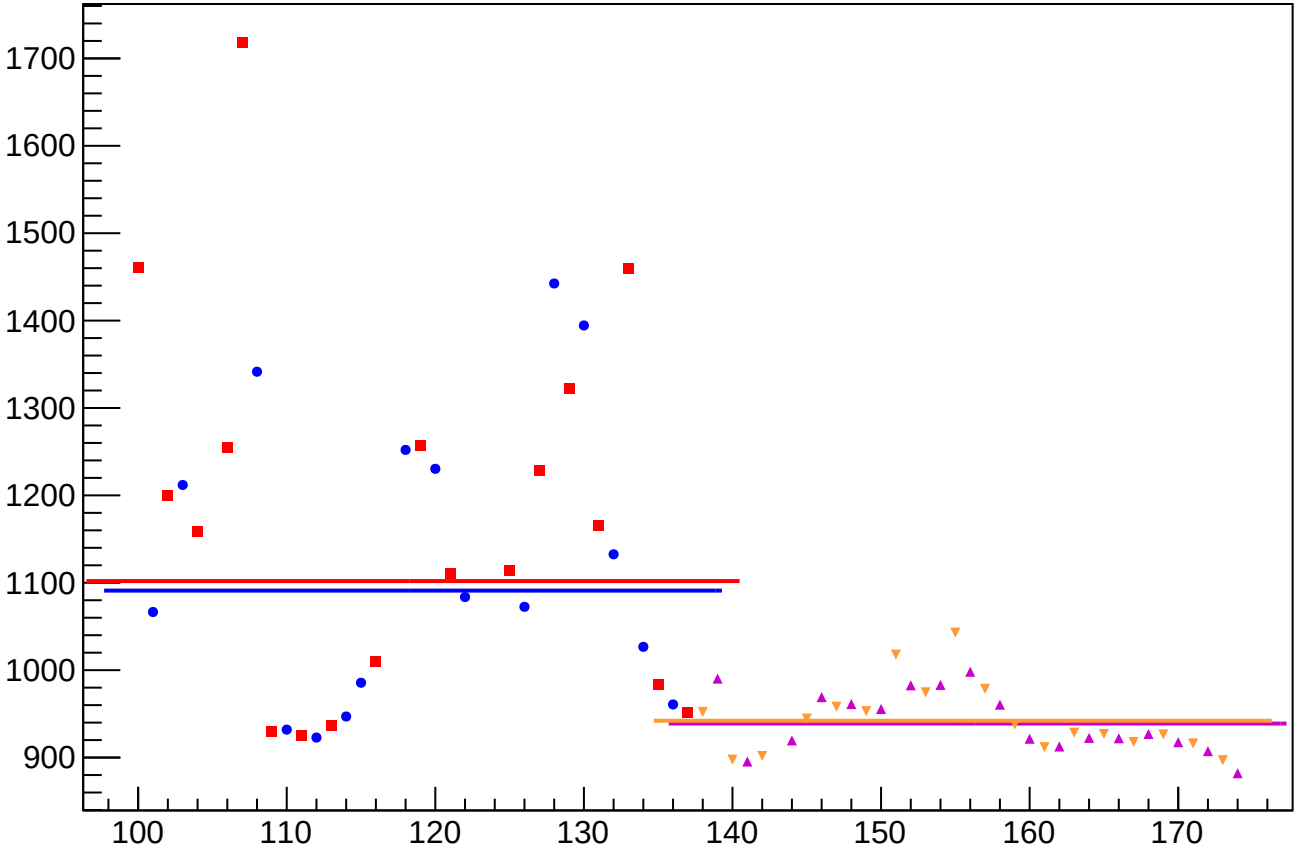
Right: -326.374+/-290.450 χ^2/NDF: 21.7/33

In: -299.272+/-209.411 χ^2/NDF:28.1/33

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

All: -36.206+/-149.586 χ^2/NDF: 70.0/69

asym_us_dd_rms vs Slug, Sign Corrected



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

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

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

Left In: 938.907+/-0.172 χ^2/NDF:39256.9/17

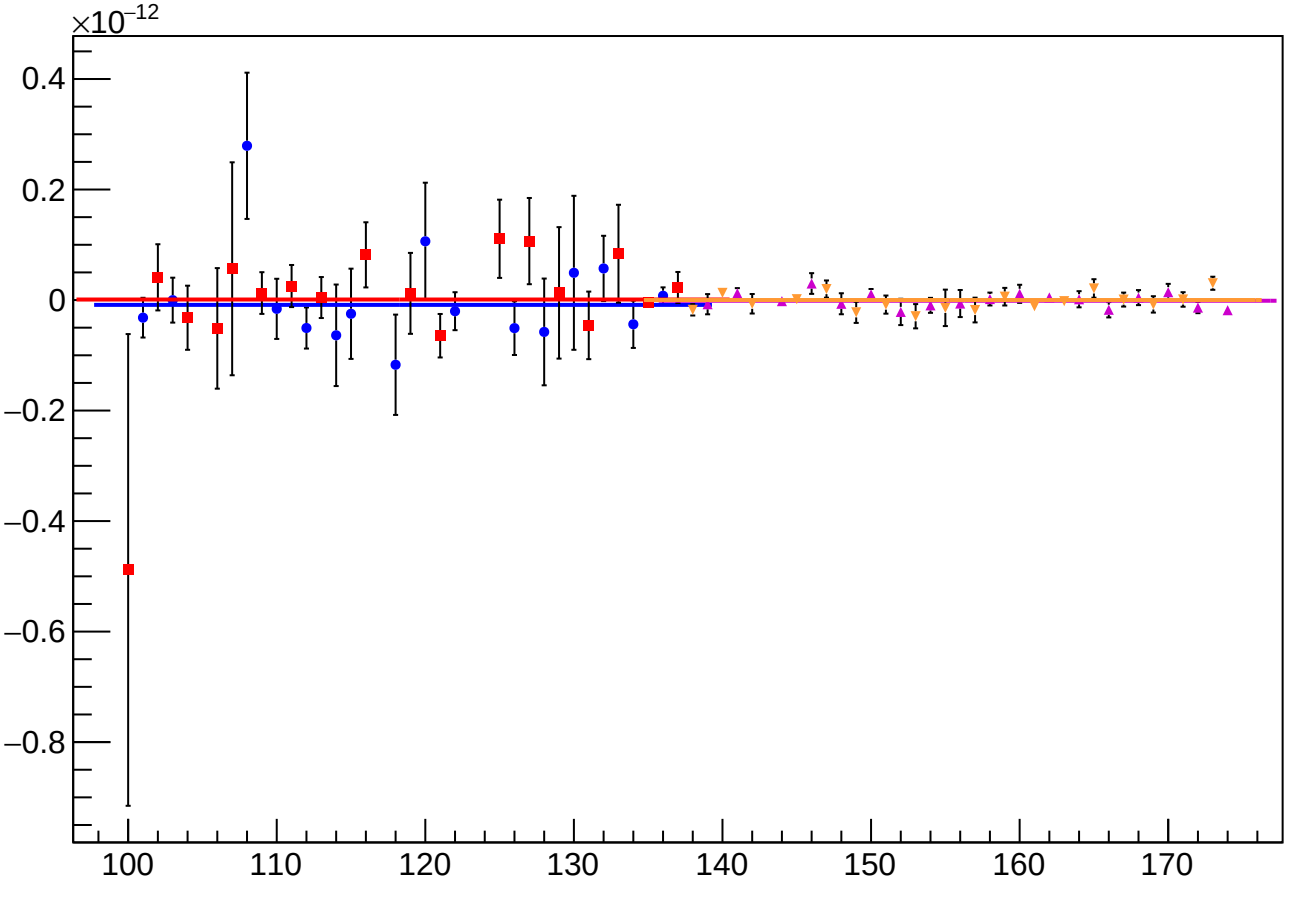
Left: 940.480+/-0.123 χ^2/NDF: 84495.7/35

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

In: 978.603+/-0.148 χ^2/NDF:520122.6/33

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

All: 981.857+/-0.106 χ^2/NDF: 1114504.3/69



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

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

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

Left In: -0.000+/-0.000 χ^2/NDF:17.6/17

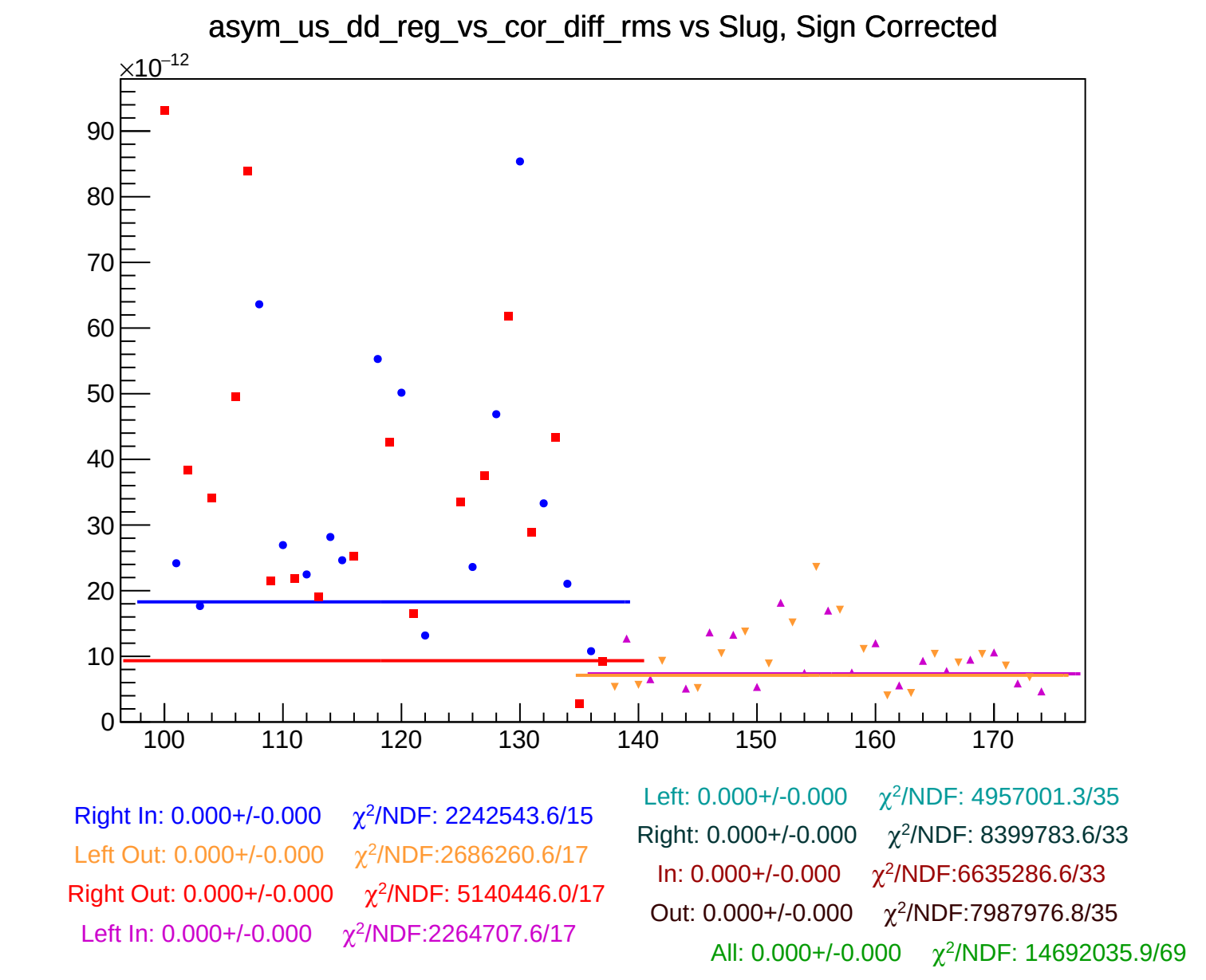
Left: -0.000+/-0.000 χ^2/NDF: 40.4/35

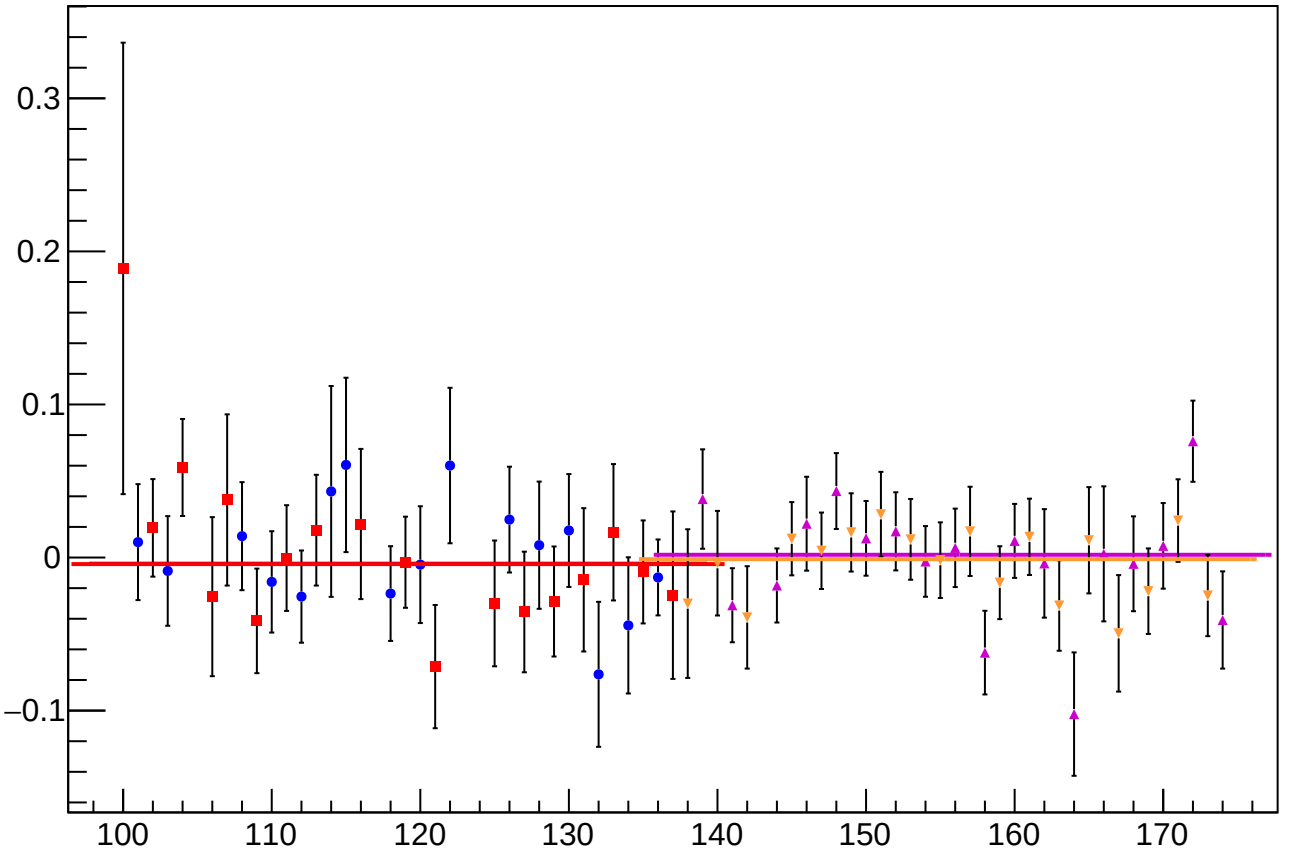
Right: -0.000+/-0.000 χ^2/NDF: 28.8/33

In: -0.000+/-0.000 χ^2/NDF:32.0/33

Out: 0.000+/-0.000 χ^2/NDF:36.9/35

All: -0.000+/-0.000 χ^2/NDF: 69.2/69


asym_us_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2242543.6/15
Left Out: 0.000+/-0.000 χ²/NDF:2686260.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 5140446.0/17
Left In: 0.000+/-0.000 χ²/NDF:2264707.6/17
Left: 0.000+/-0.000 χ²/NDF: 4957001.3/35
Right: 0.000+/-0.000 χ²/NDF: 8399783.6/33
In: 0.000+/-0.000 χ²/NDF:6635286.6/33
Out: 0.000+/-0.000 χ²/NDF:7987976.8/35
All: 0.000+/-0.000 χ²/NDF: 14692035.9/69



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

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

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

Left In: 0.002+/-0.007 χ^2/NDF:29.7/17

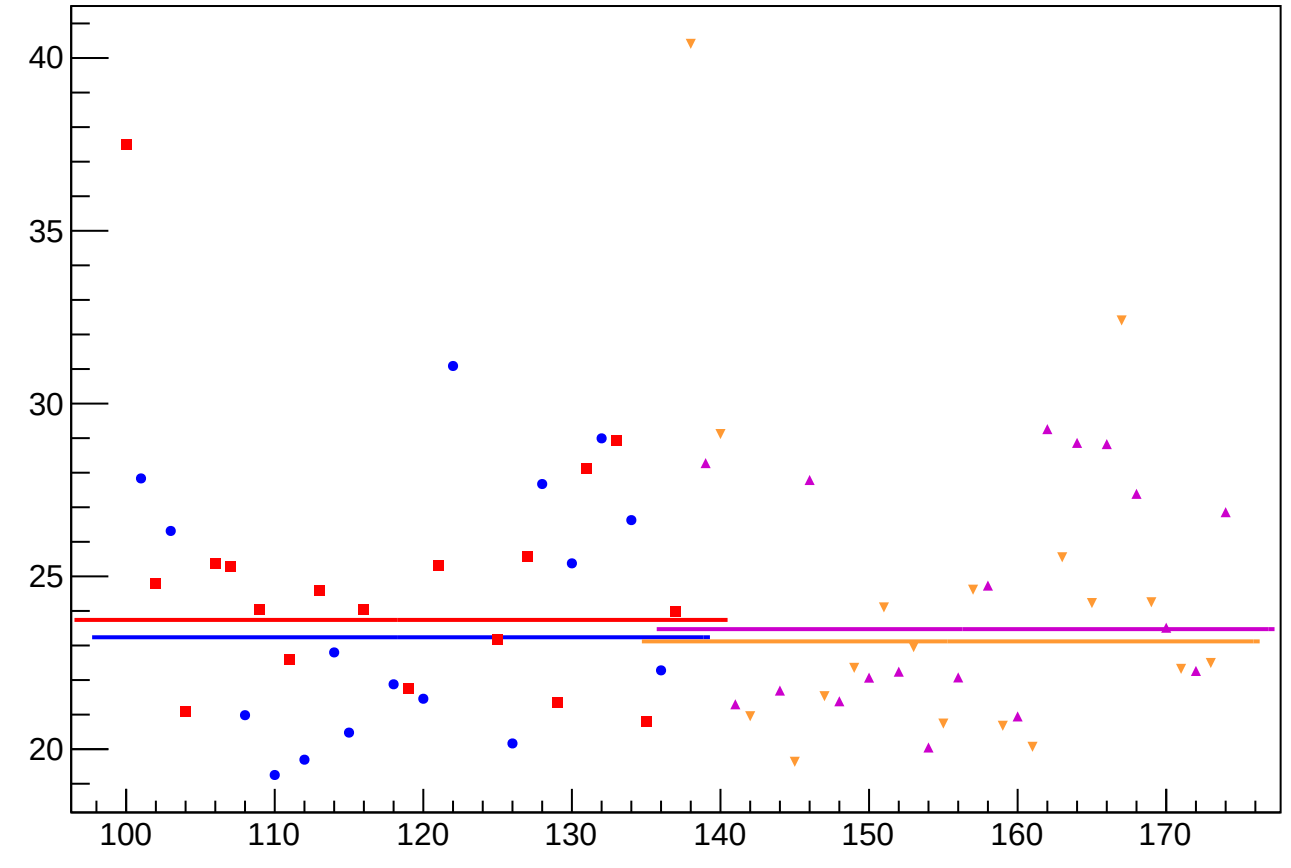
Left: 0.000+/-0.005 χ^2/NDF: 39.8/35

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

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 62.8/69



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

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

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

Left In: 23.474+/-0.005 χ^2/NDF:389138.8/17

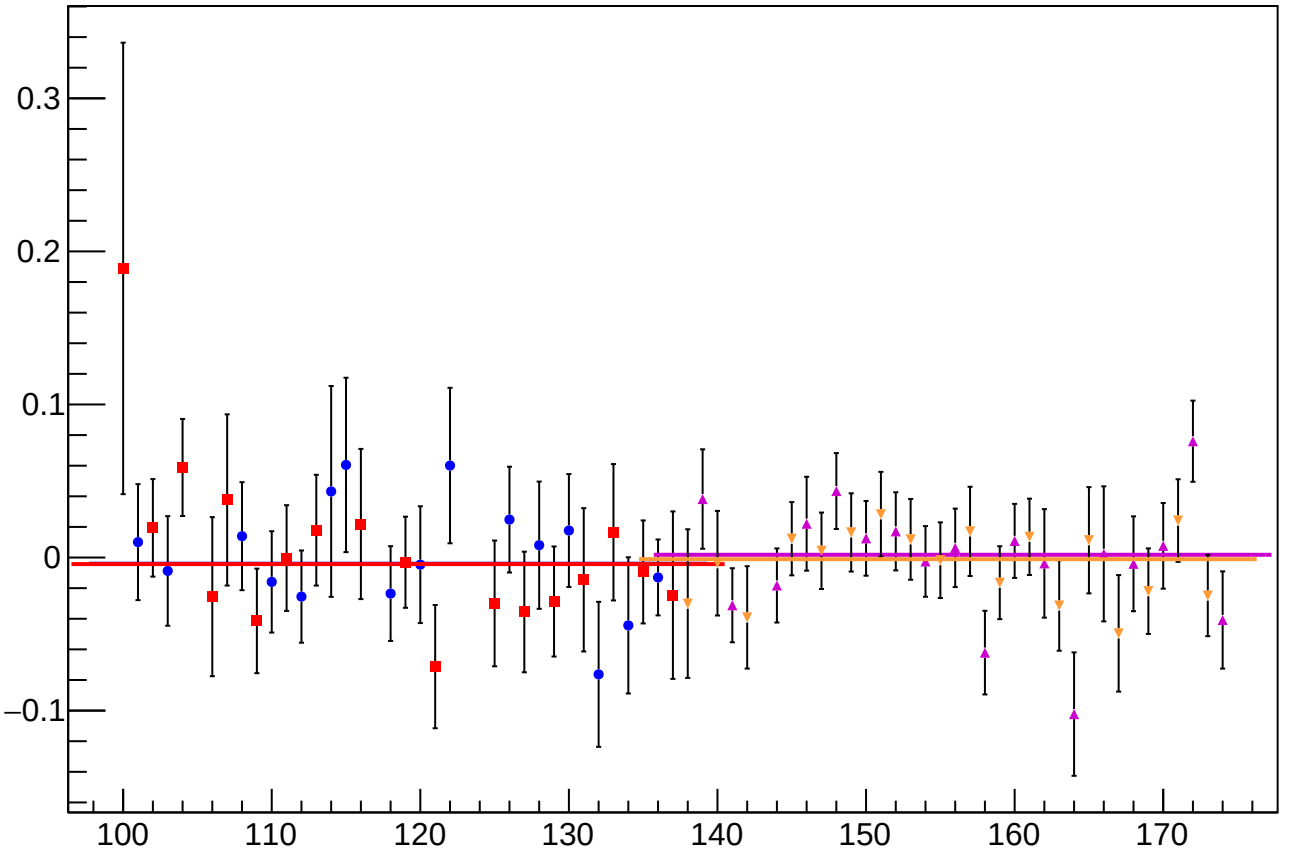
Left: 23.299+/-0.003 χ^2/NDF: 986153.9/35

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

In: 23.395+/-0.004 χ^2/NDF:649237.5/33

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

All: 23.362+/-0.003 χ^2/NDF: 1375597.3/69



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

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

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

Left In: 0.002+/-0.007 χ^2/NDF:29.7/17

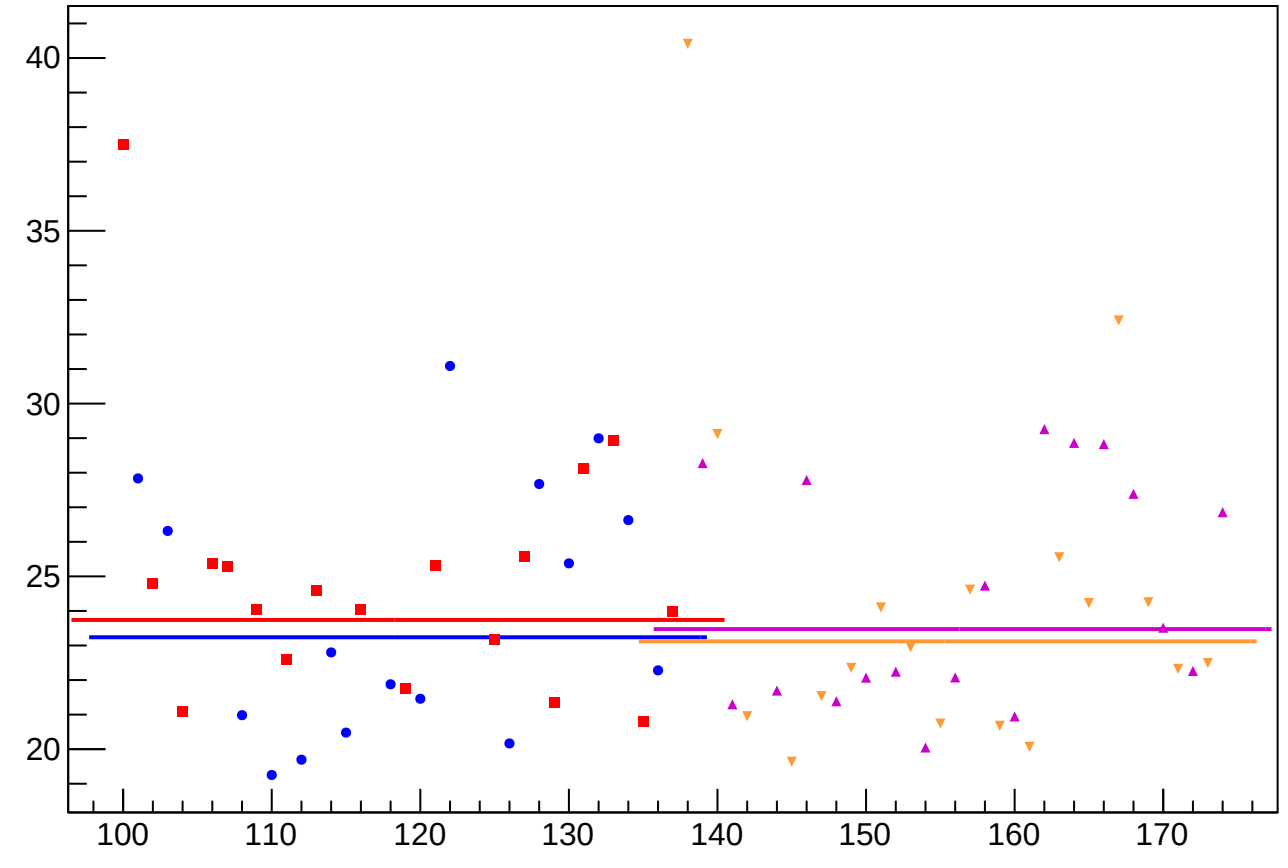
Left: 0.000+/-0.005 χ^2/NDF: 39.8/35

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

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 62.8/69



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

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

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

Left In: 23.474+/-0.005 χ^2/NDF:389138.8/17

Left: 23.299+/-0.003 χ^2/NDF: 986153.9/35

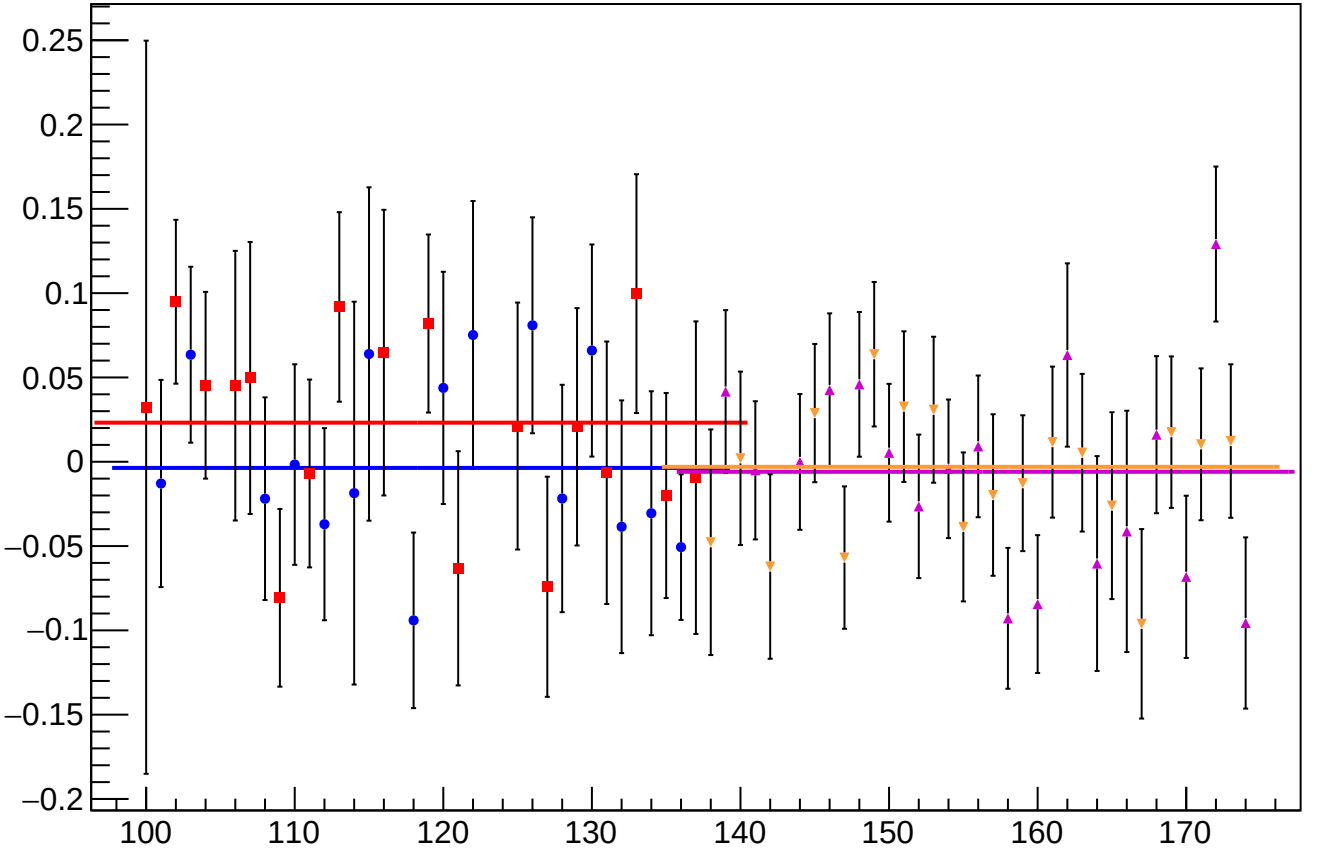
Right: 23.488+/-0.005 χ^2/NDF: 388343.8/33

In: 23.395+/-0.004 χ^2/NDF:649237.5/33

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

All: 23.362+/-0.003 χ^2/NDF: 1375597.3/69

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: -0.003+/-0.011 χ^2/NDF:11.8/17

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

Left In: -0.006+/-0.011 χ^2/NDF:28.3/17

Left: -0.005+/-0.008 χ^2/NDF: 40.2/35

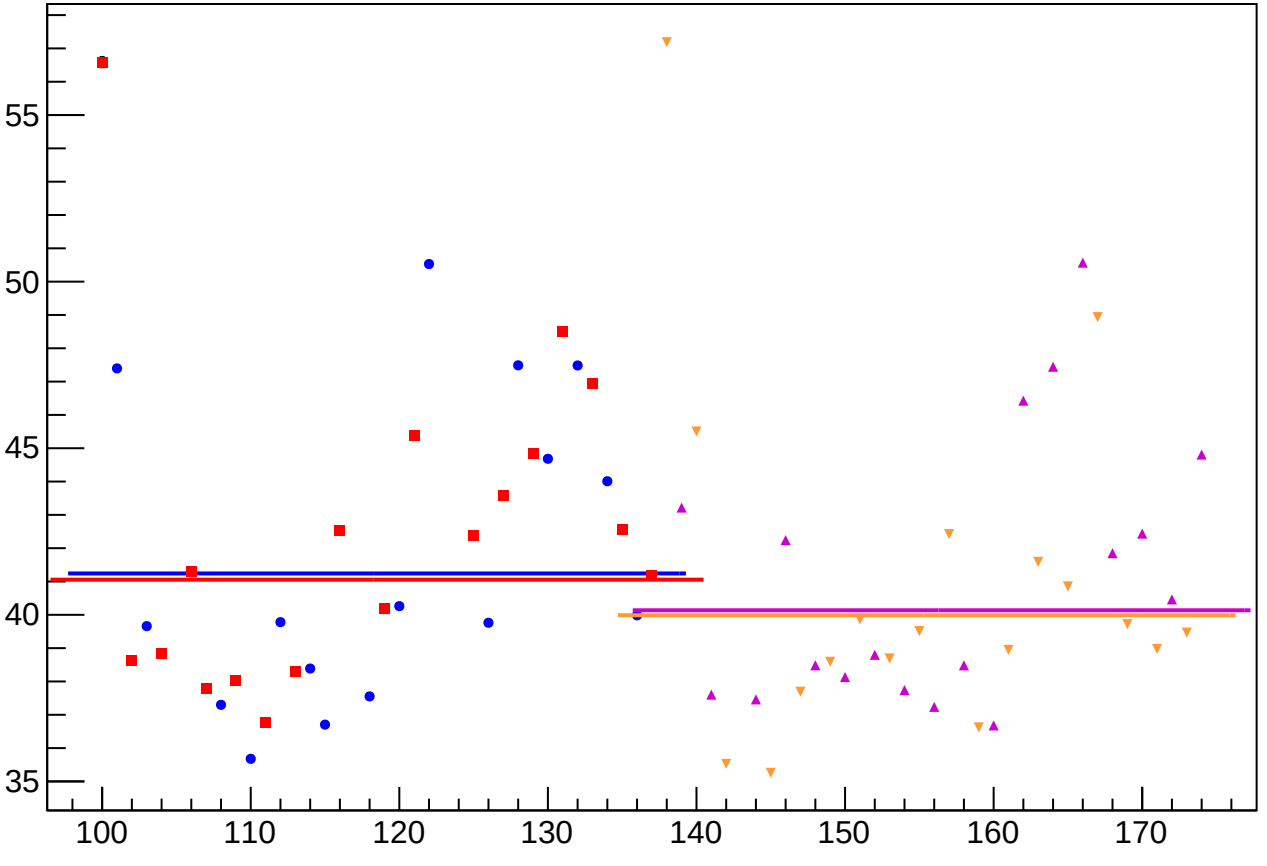
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.005+/-0.009 χ^2/NDF:40.0/33

Out: 0.006+/-0.009 χ^2/NDF:29.1/35

All: 0.000+/-0.006 χ^2/NDF: 69.8/69

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 40.136+/-0.008 χ^2/NDF:192312.0/17

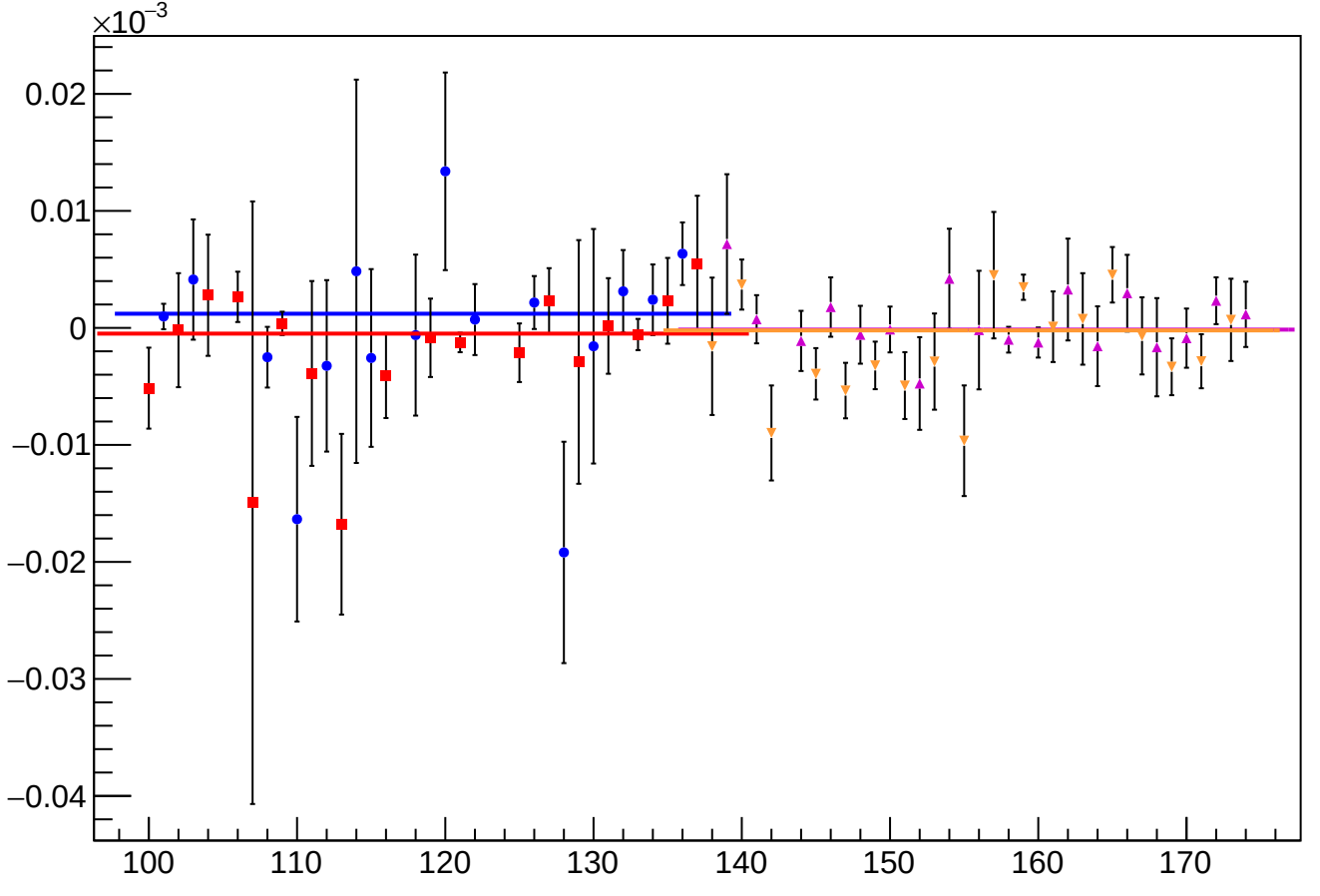
Left: 40.064+/-0.005 χ^2/NDF: 472748.4/35

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

In: 40.487+/-0.006 χ^2/NDF:334328.8/33

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

All: 40.416+/-0.004 χ^2/NDF: 717702.1/69



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

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

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

Left In: -0.000+/-0.000 χ^2/NDF:9.8/17

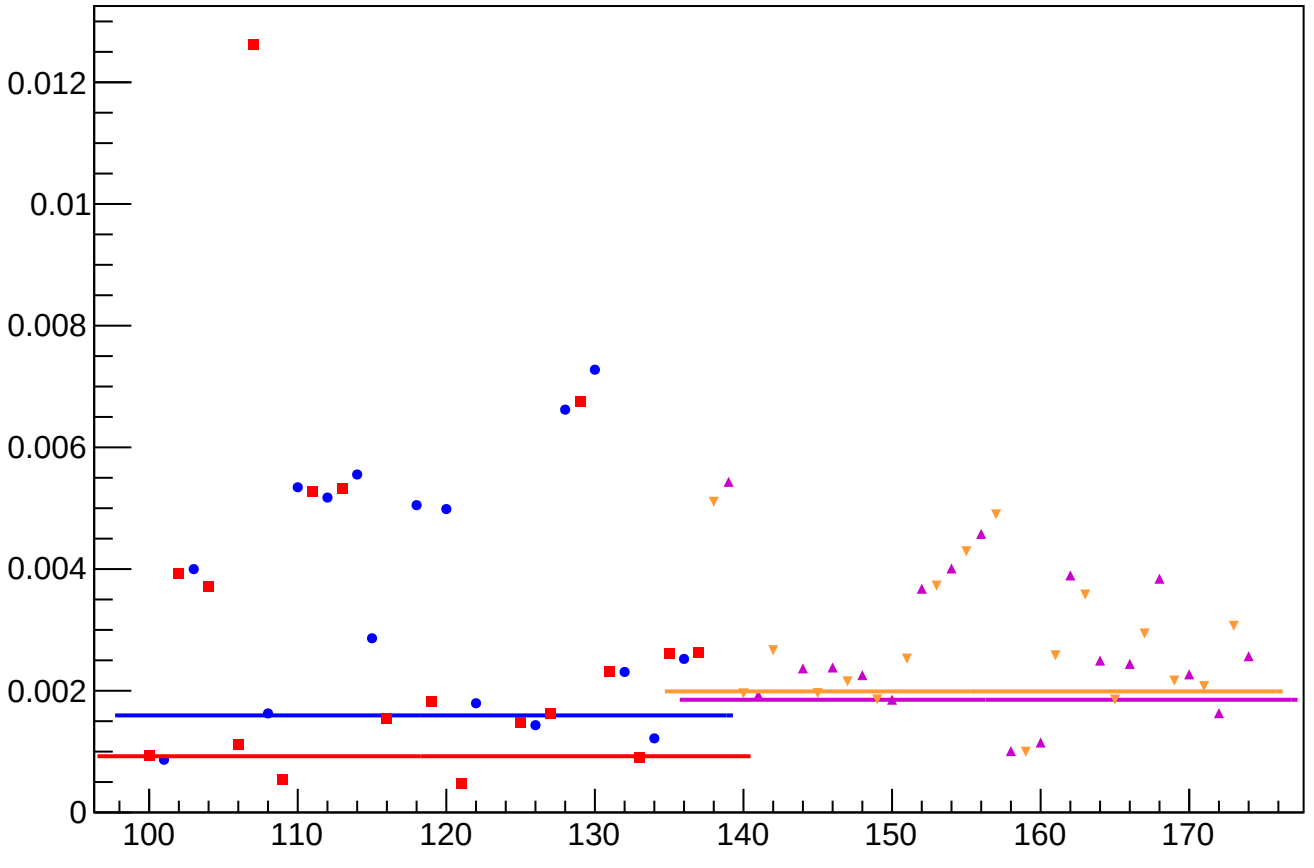
Left: -0.000+/-0.000 χ^2/NDF: 54.3/35

Right: 0.000+/-0.000 χ^2/NDF: 36.9/33

In: 0.000+/-0.000 χ^2/NDF:30.3/33

Out: -0.000+/-0.000 χ^2/NDF:59.6/35

All: -0.000+/-0.000 χ^2/NDF: 91.3/69



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

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

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

Left In: 0.002+/-0.000 χ^2/NDF:5462253.8/17

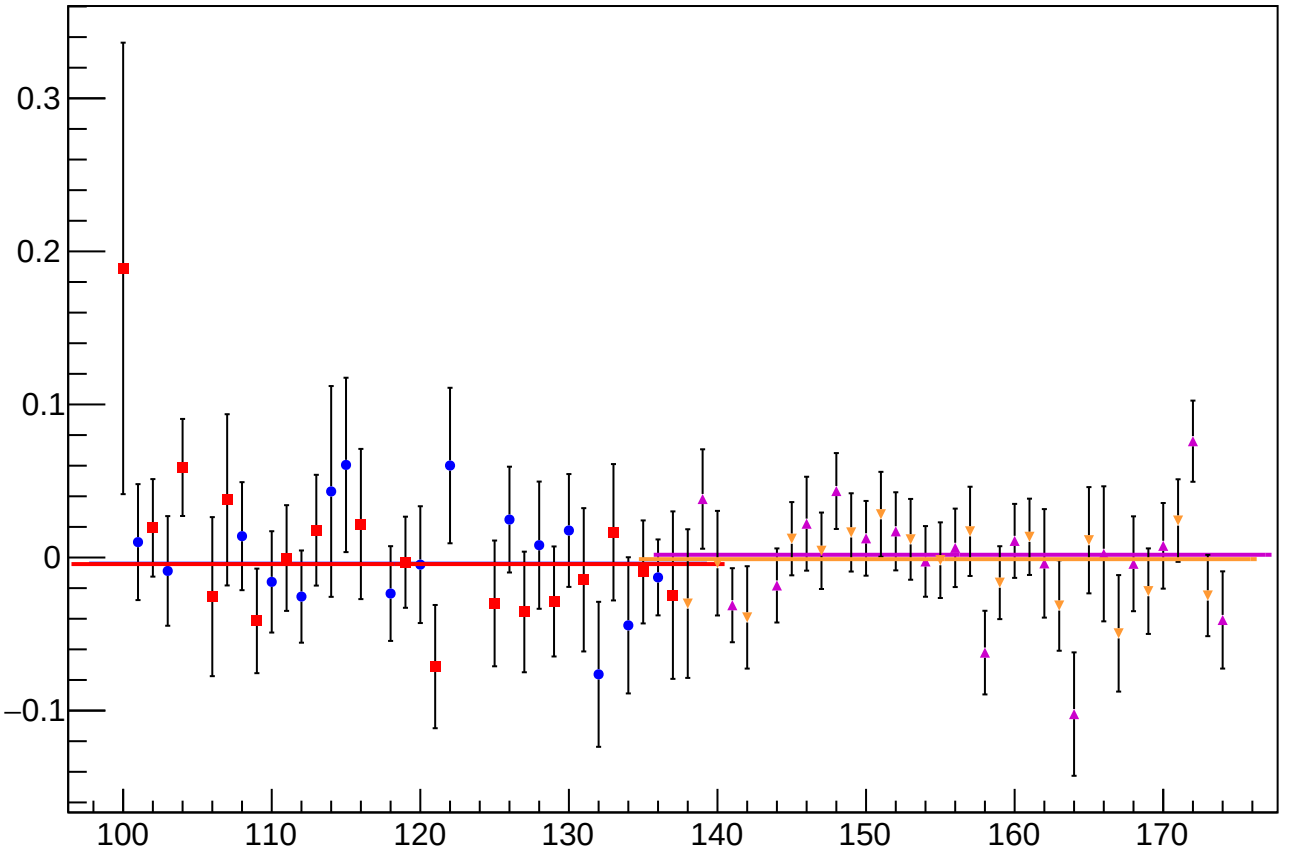
Left: 0.002+/-0.000 χ^2/NDF: 10115191.7/35

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

In: 0.002+/-0.000 χ^2/NDF:10378701.4/33

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

All: 0.002+/-0.000 χ^2/NDF: 25534949.0/69



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

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

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

Left In: 0.002+/-0.007 χ^2/NDF:29.7/17

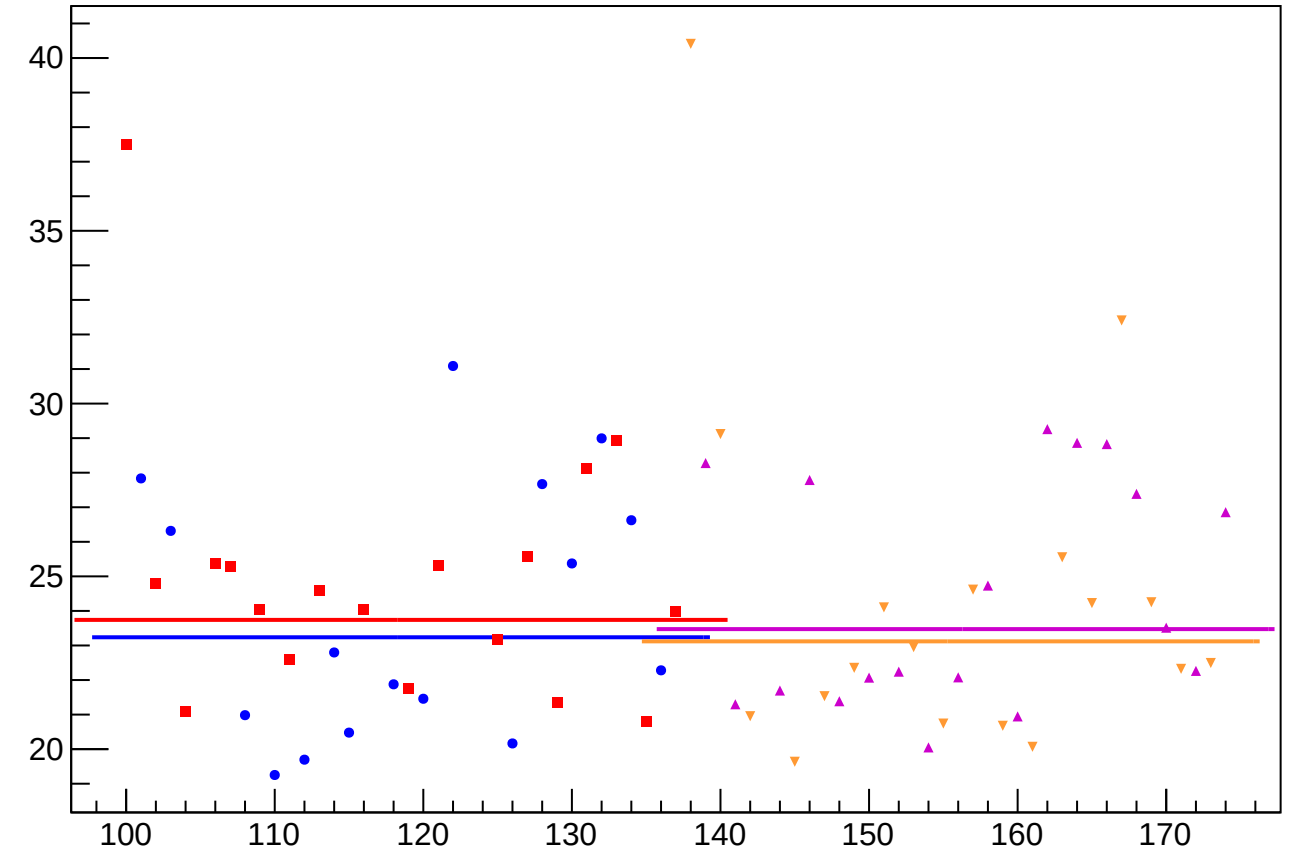
Left: 0.000+/-0.005 χ^2/NDF: 39.8/35

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

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 62.8/69



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

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

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

Left In: 23.474+/-0.005 χ^2/NDF:389079.7/17

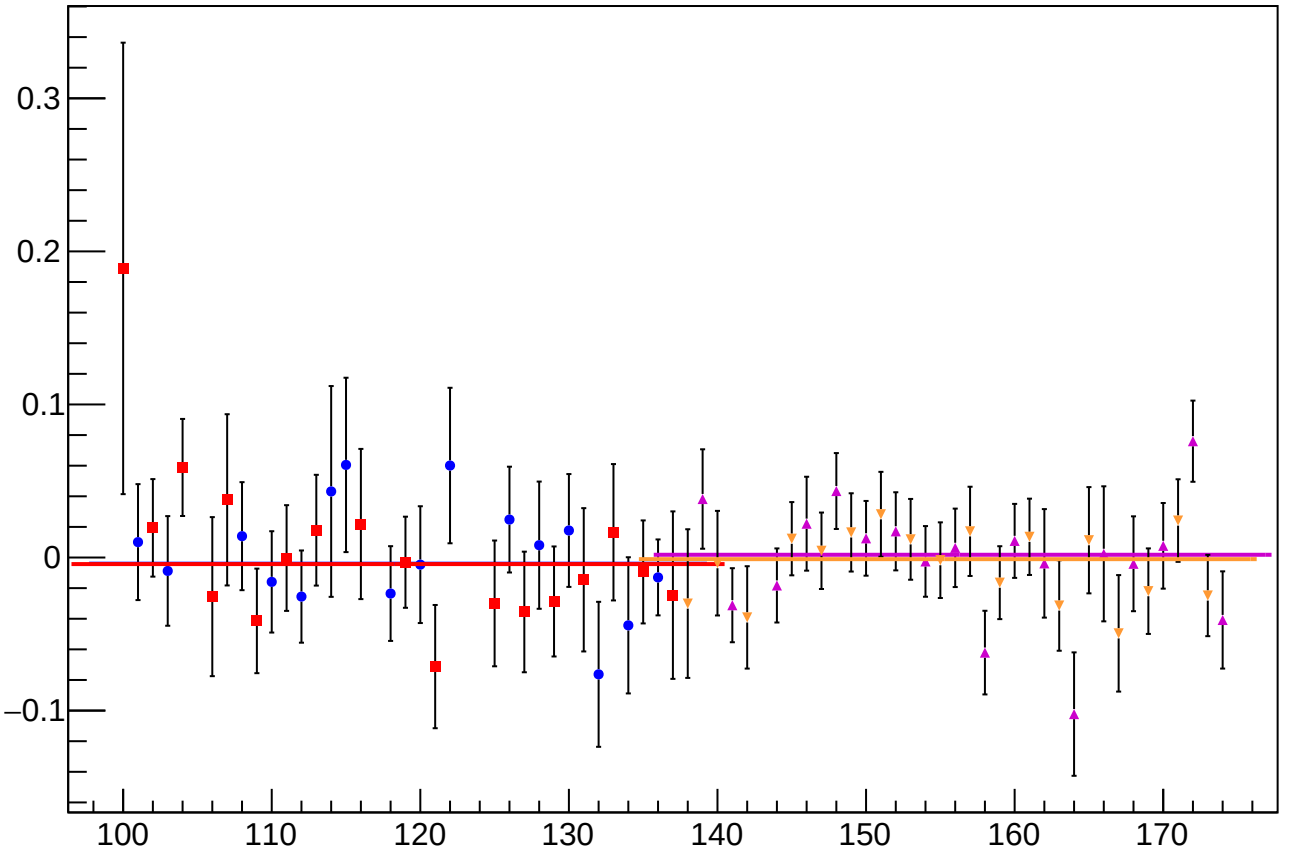
Left: 23.299+/-0.003 χ^2/NDF: 986120.3/35

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

In: 23.395+/-0.004 χ^2/NDF:649174.1/33

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

All: 23.362+/-0.003 χ^2/NDF: 1375507.4/69



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

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

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

Left In: 0.002+/-0.007 χ^2/NDF:29.7/17

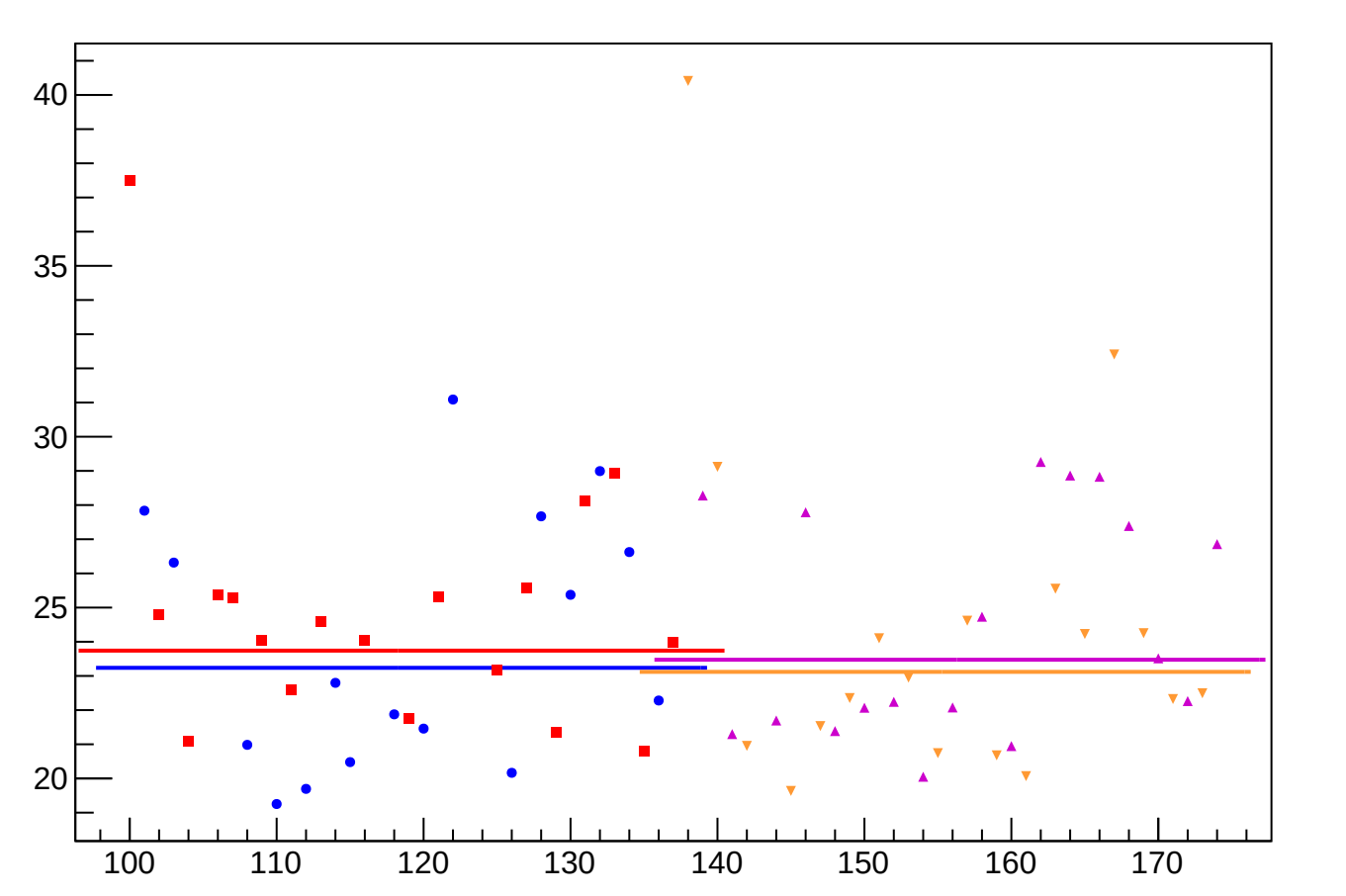
Left: 0.000+/-0.005 χ^2/NDF: 39.8/35

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

In: -0.000+/-0.005 χ^2/NDF:39.2/33

Out: -0.002+/-0.005 χ^2/NDF:23.6/35

All: -0.001+/-0.004 χ^2/NDF: 62.8/69



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

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

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

Left In: 23.474+/-0.005 χ^2/NDF:389079.7/17

Left: 23.299+/-0.003 χ^2/NDF: 986120.3/35

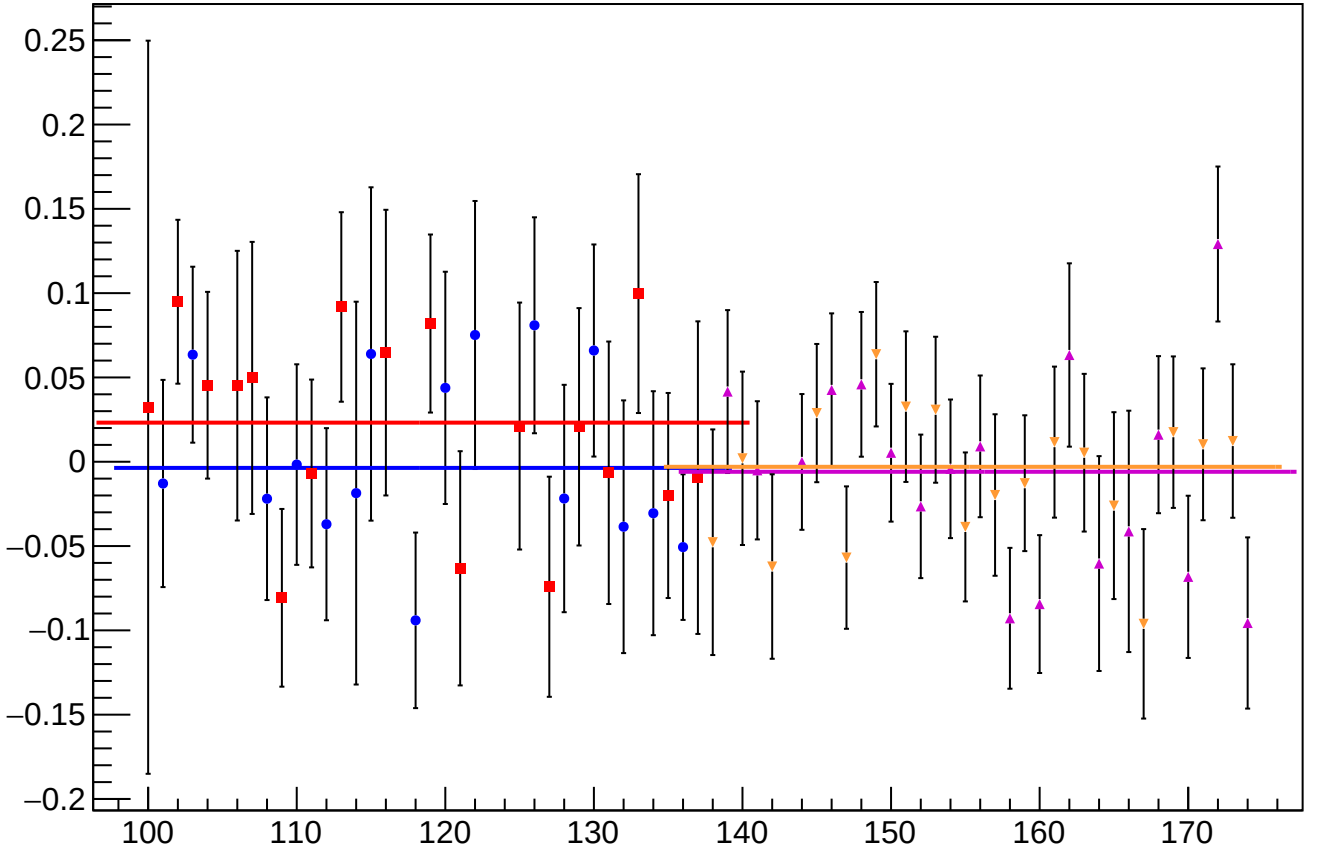
Right: 23.487+/-0.005 χ^2/NDF: 388292.2/33

In: 23.395+/-0.004 χ^2/NDF:649174.1/33

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

All: 23.362+/-0.003 χ^2/NDF: 1375507.4/69

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: -0.006+/-0.011 χ^2/NDF:28.3/17

Left: -0.005+/-0.008 χ^2/NDF: 40.2/35

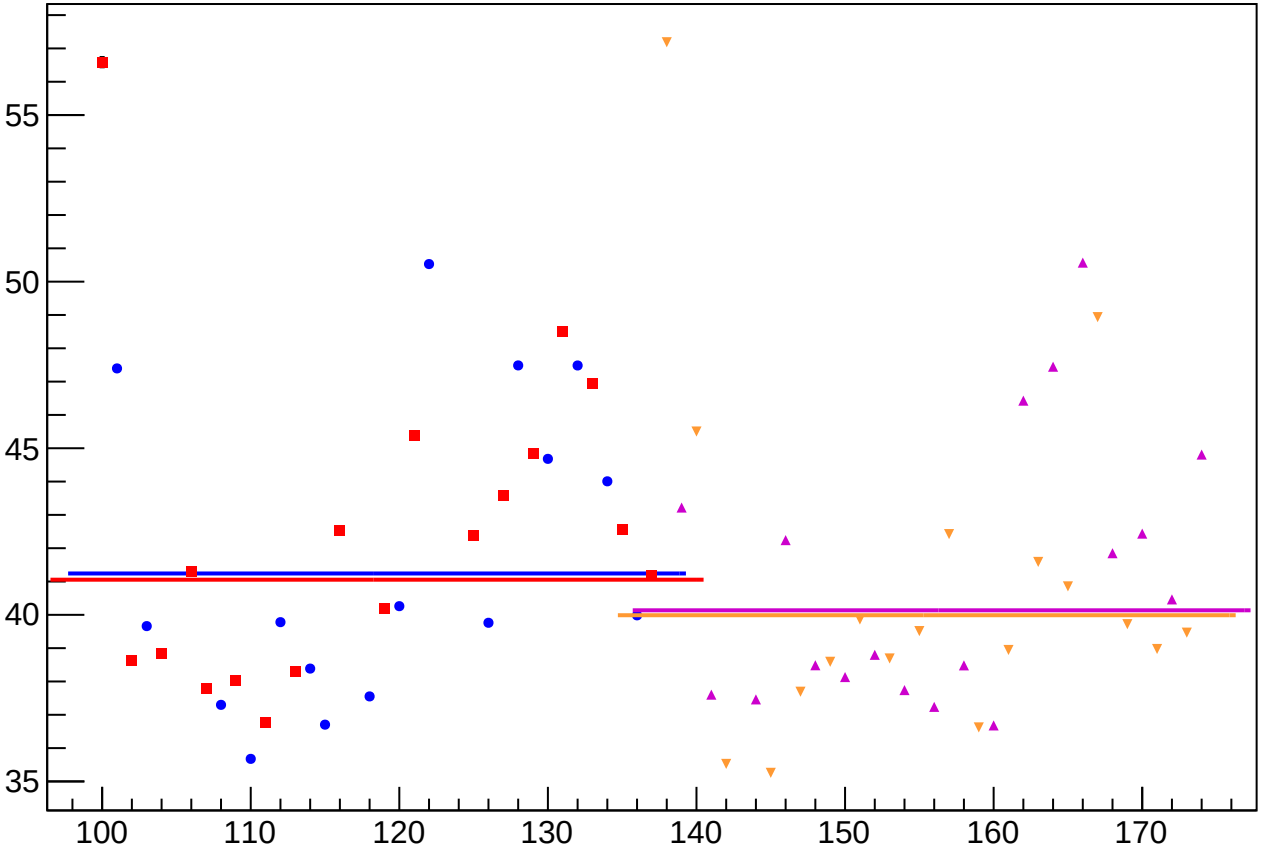
Right: 0.010+/-0.011 χ^2/NDF: 28.5/33

In: -0.005+/-0.009 χ^2/NDF:40.0/33

Out: 0.006+/-0.009 χ^2/NDF:29.1/35

All: 0.000+/-0.006 χ^2/NDF: 69.8/69

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.241+/-0.011 χ^2/NDF: 135256.9/15

Left Out: 39.988+/-0.008 χ^2/NDF:280254.4/17

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

Left In: 40.136+/-0.008 χ^2/NDF:192316.3/17

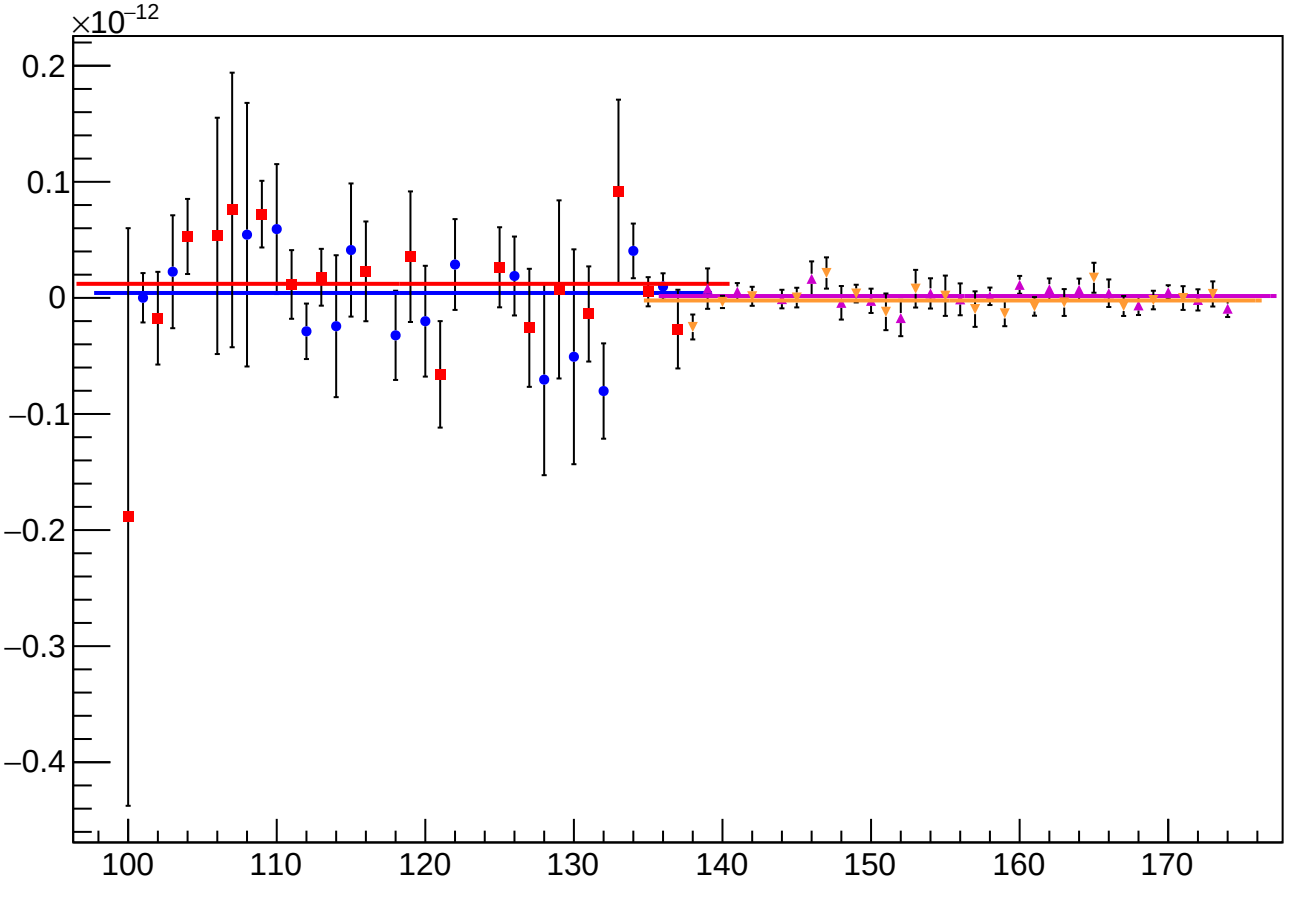
Left: 40.064+/-0.005 χ^2/NDF: 472756.6/35

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

In: 40.487+/-0.006 χ^2/NDF:334306.4/33

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

All: 40.416+/-0.004 χ^2/NDF: 717671.1/69



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

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

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

Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

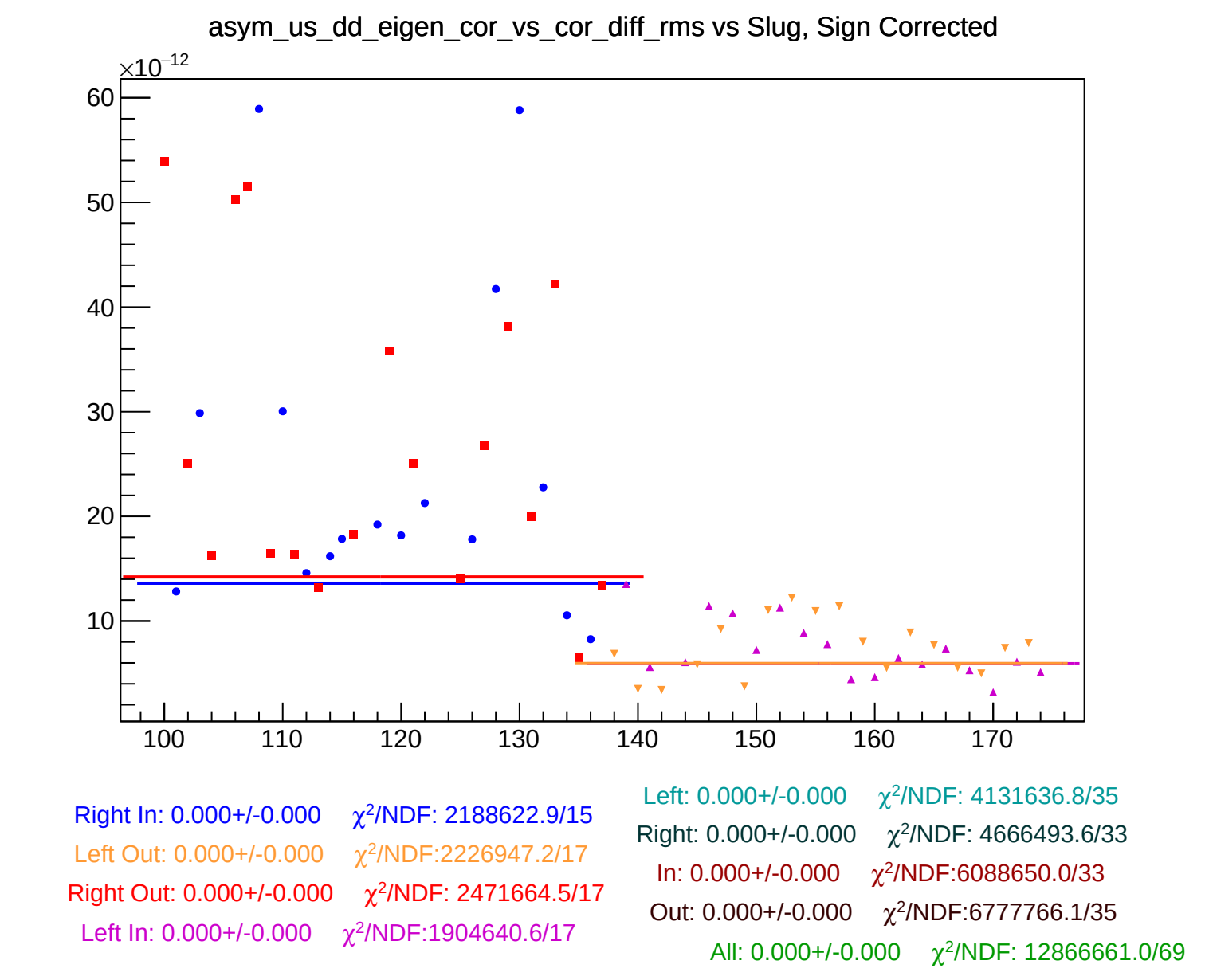
Left: -0.000+/-0.000 χ^2/NDF: 24.8/35

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

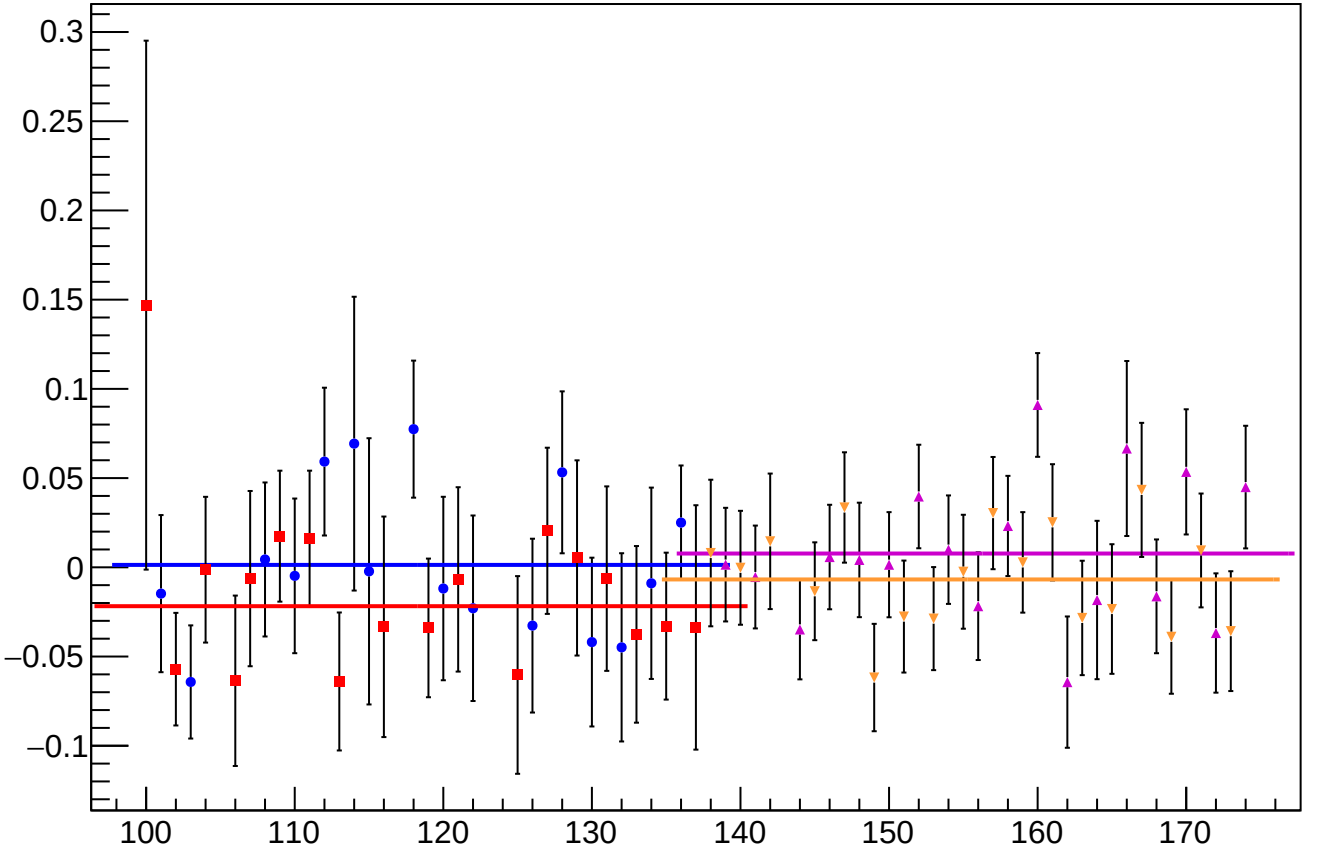
In: 0.000+/-0.000 χ^2/NDF:23.1/33

Out: -0.000+/-0.000 χ^2/NDF:31.7/35

All: 0.000+/-0.000 χ^2/NDF: 55.7/69


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2188622.9/15
Left Out: 0.000+/-0.000 χ²/NDF:2226947.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 2471664.5/17
Left In: 0.000+/-0.000 χ²/NDF:1904640.6/17
Left: 0.000+/-0.000 χ²/NDF: 4131636.8/35
Right: 0.000+/-0.000 χ²/NDF: 4666493.6/33
In: 0.000+/-0.000 χ²/NDF:6088650.0/33
Out: 0.000+/-0.000 χ²/NDF:6777766.1/35
All: 0.000+/-0.000 χ²/NDF: 12866661.0/69

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

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

Left In: 0.008+/-0.007 χ^2/NDF:24.1/17

Left: 0.001+/-0.005 χ^2/NDF: 39.6/35

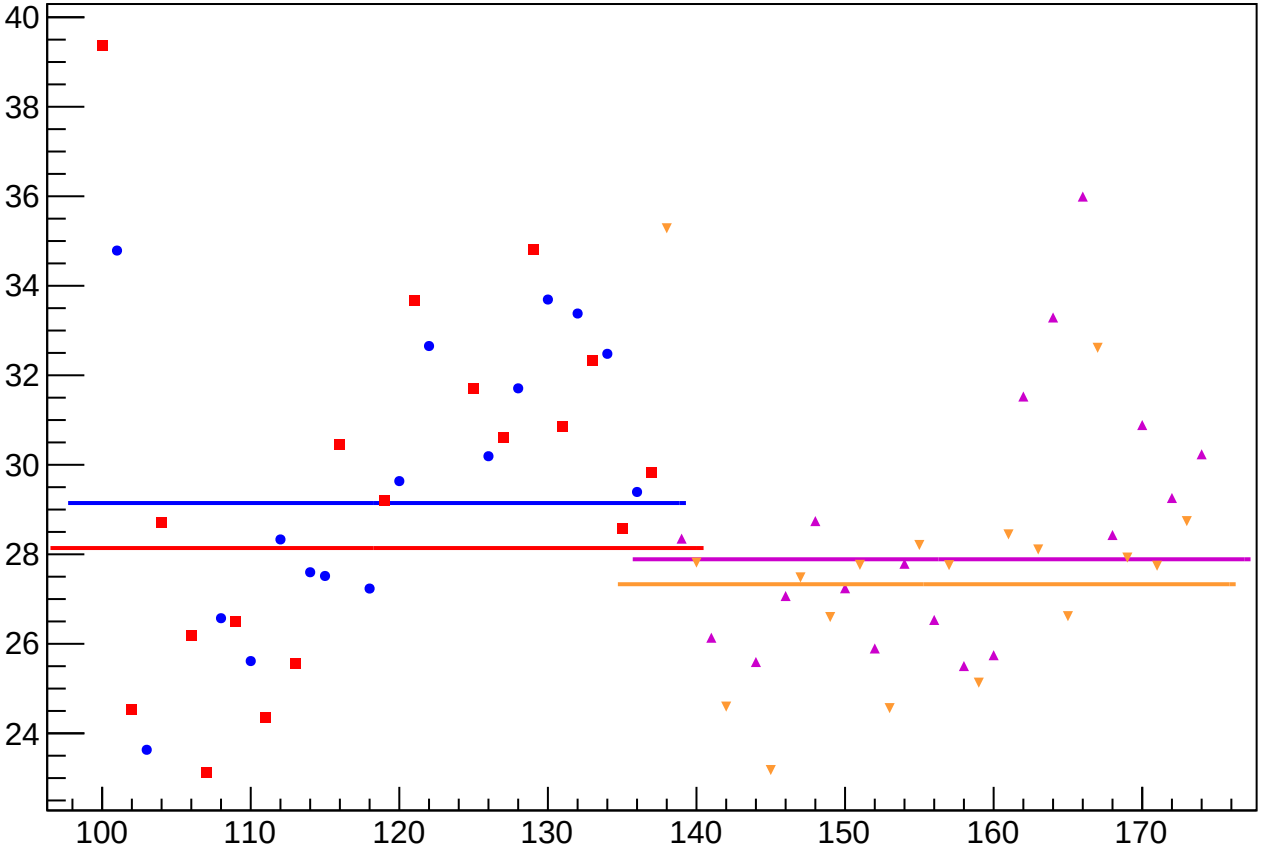
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.006+/-0.006 χ^2/NDF:39.6/33

Out: -0.012+/-0.006 χ^2/NDF:23.9/35

All: -0.003+/-0.004 χ^2/NDF: 67.5/69

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 27.889+/-0.005 χ^2/NDF:195726.5/17

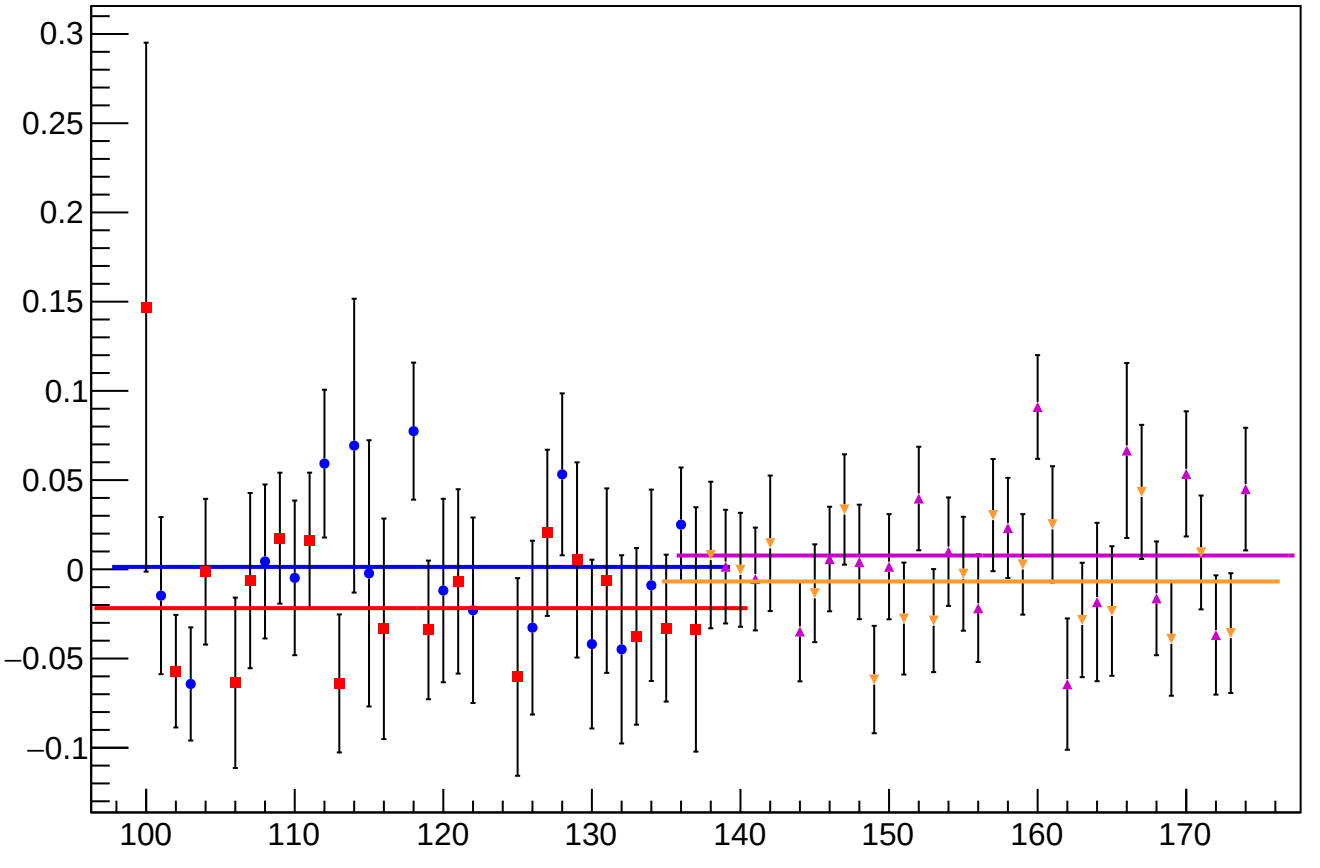
Left: 27.613+/-0.004 χ^2/NDF: 415343.6/35

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

In: 28.277+/-0.004 χ^2/NDF:389970.4/33

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

All: 27.936+/-0.003 χ^2/NDF: 810684.1/69



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

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

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

Left In: 0.008+/-0.007 χ^2/NDF:24.1/17

Left: 0.001+/-0.005 χ^2/NDF: 39.6/35

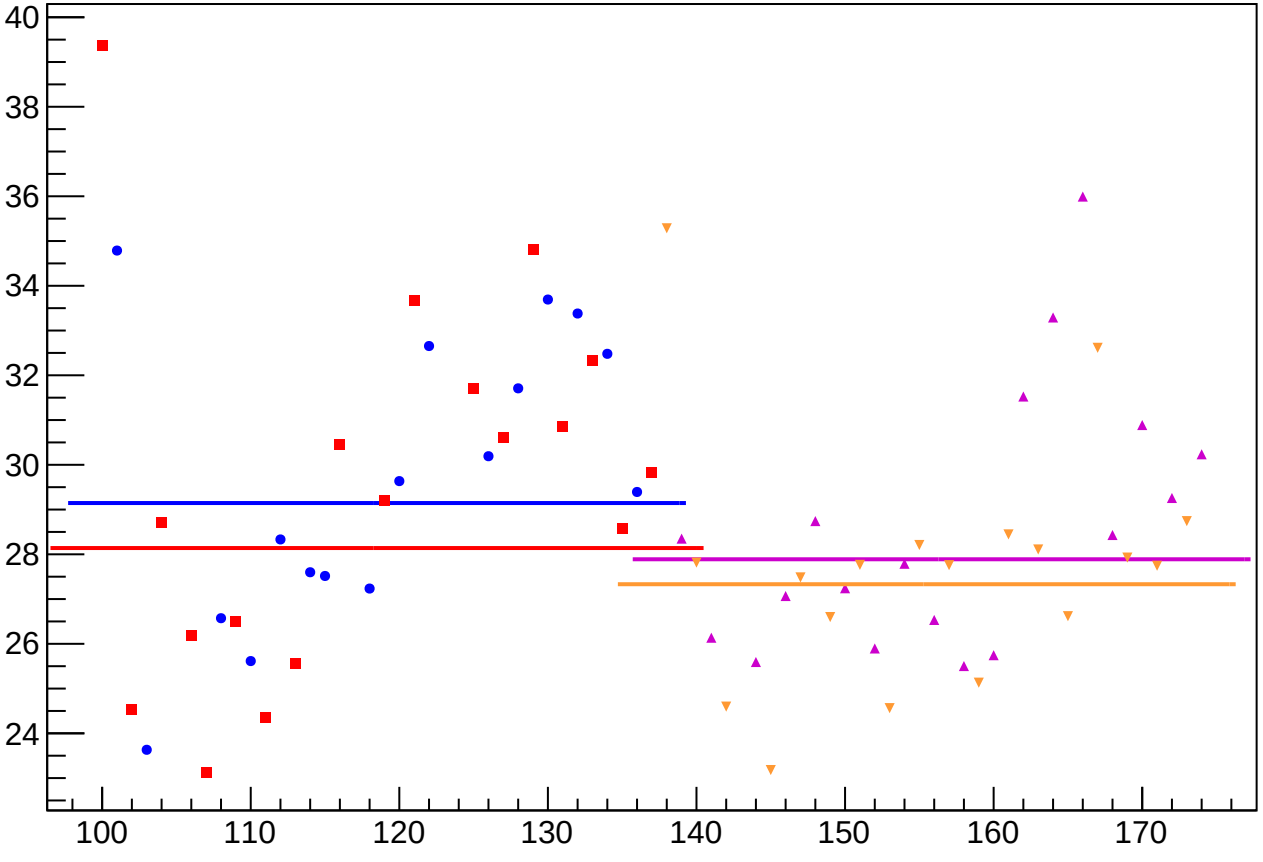
Right: -0.011+/-0.008 χ^2/NDF: 26.5/33

In: 0.006+/-0.006 χ^2/NDF:39.6/33

Out: -0.012+/-0.006 χ^2/NDF:23.9/35

All: -0.003+/-0.004 χ^2/NDF: 67.5/69

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

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

Left In: 27.889+/-0.005 χ^2/NDF:195726.5/17

Left: 27.613+/-0.004 χ^2/NDF: 415343.6/35

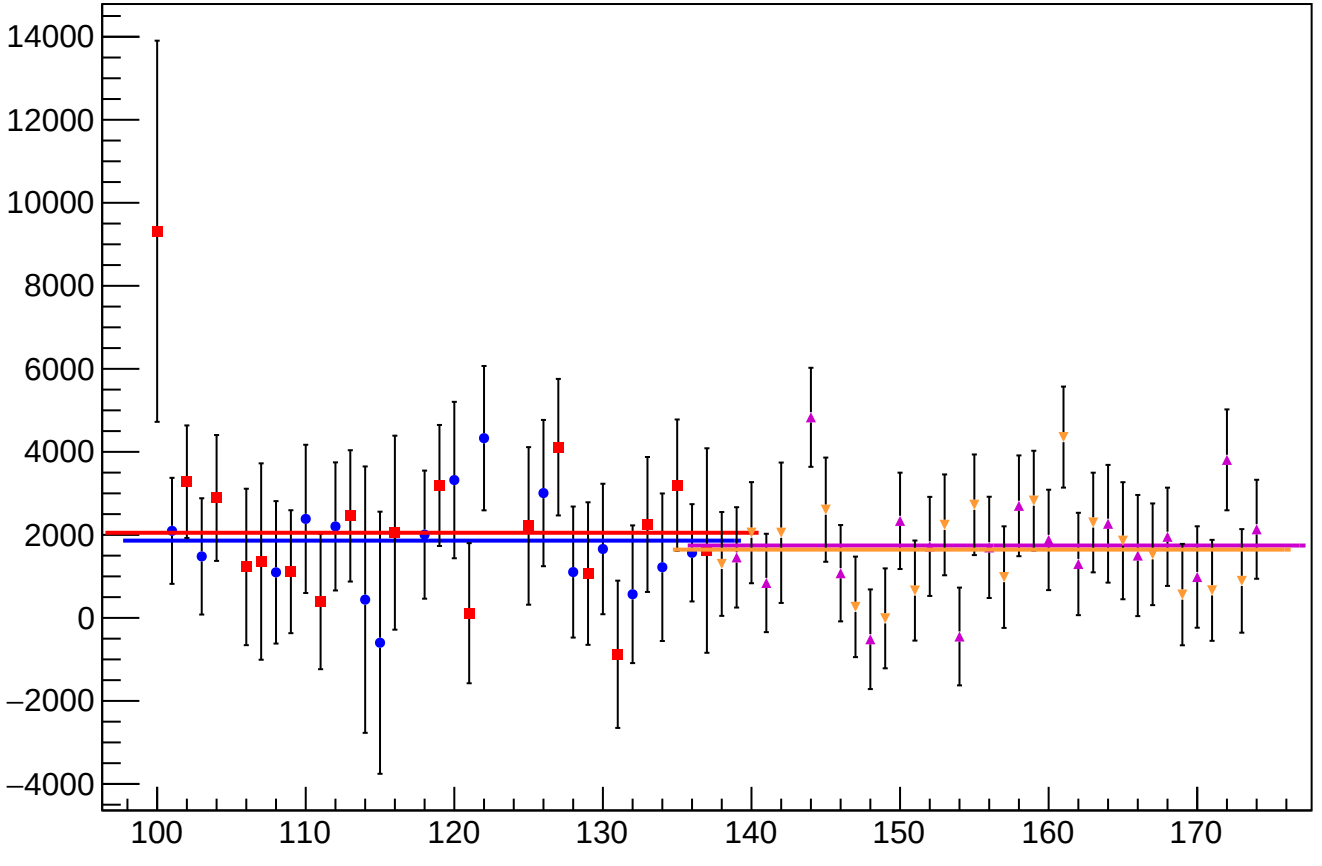
Right: 28.623+/-0.005 χ^2/NDF: 372352.6/33

In: 28.277+/-0.004 χ^2/NDF:389970.4/33

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

All: 27.936+/-0.003 χ^2/NDF: 810684.1/69

reg_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1743.586+/-287.188 χ^2/NDF:19.3/17

Left: 1695.370+/-205.288 χ^2/NDF: 33.4/35

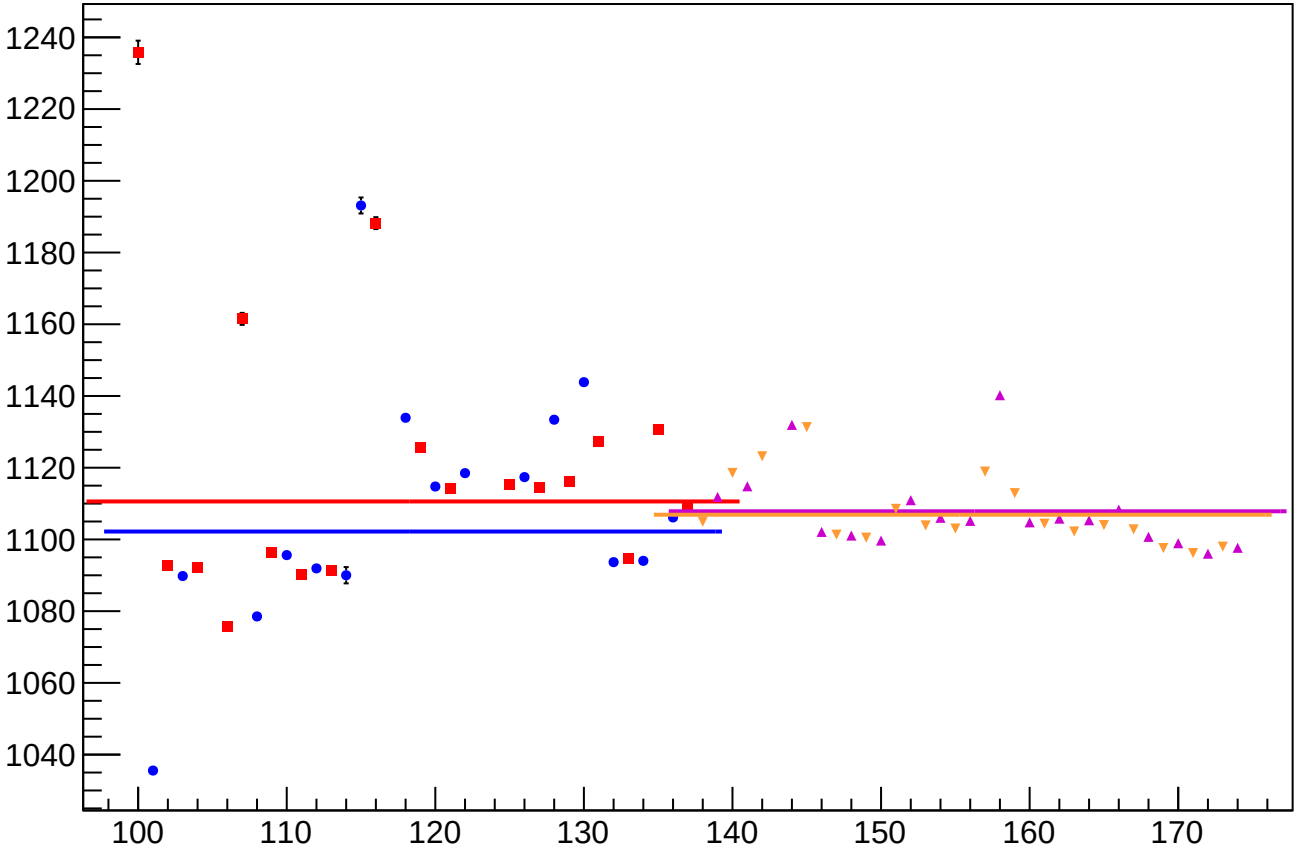
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1782.466+/-235.133 χ^2/NDF:24.7/33

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

All: 1782.666+/-167.455 χ^2/NDF: 51.9/69

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1107.848+/-0.203 χ^2/NDF:3107.1/17

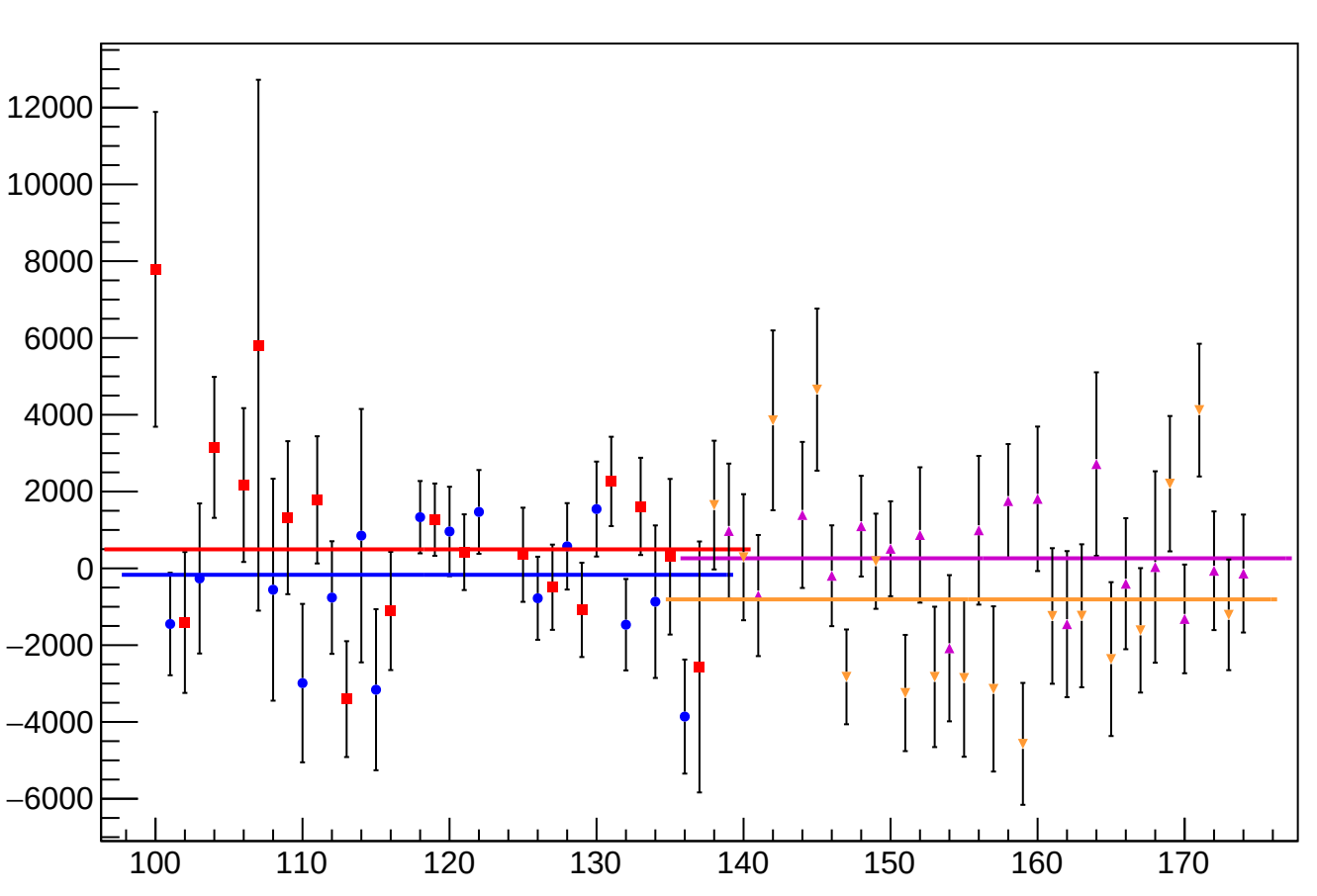
Left: 1107.379+/-0.145 χ^2/NDF: 5068.5/35

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

In: 1105.988+/-0.166 χ^2/NDF:14710.5/33

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

All: 1107.052+/-0.118 χ^2/NDF: 24548.3/69



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

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

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

Left In: 261.860+/-385.775 χ^2/NDF:8.3/17

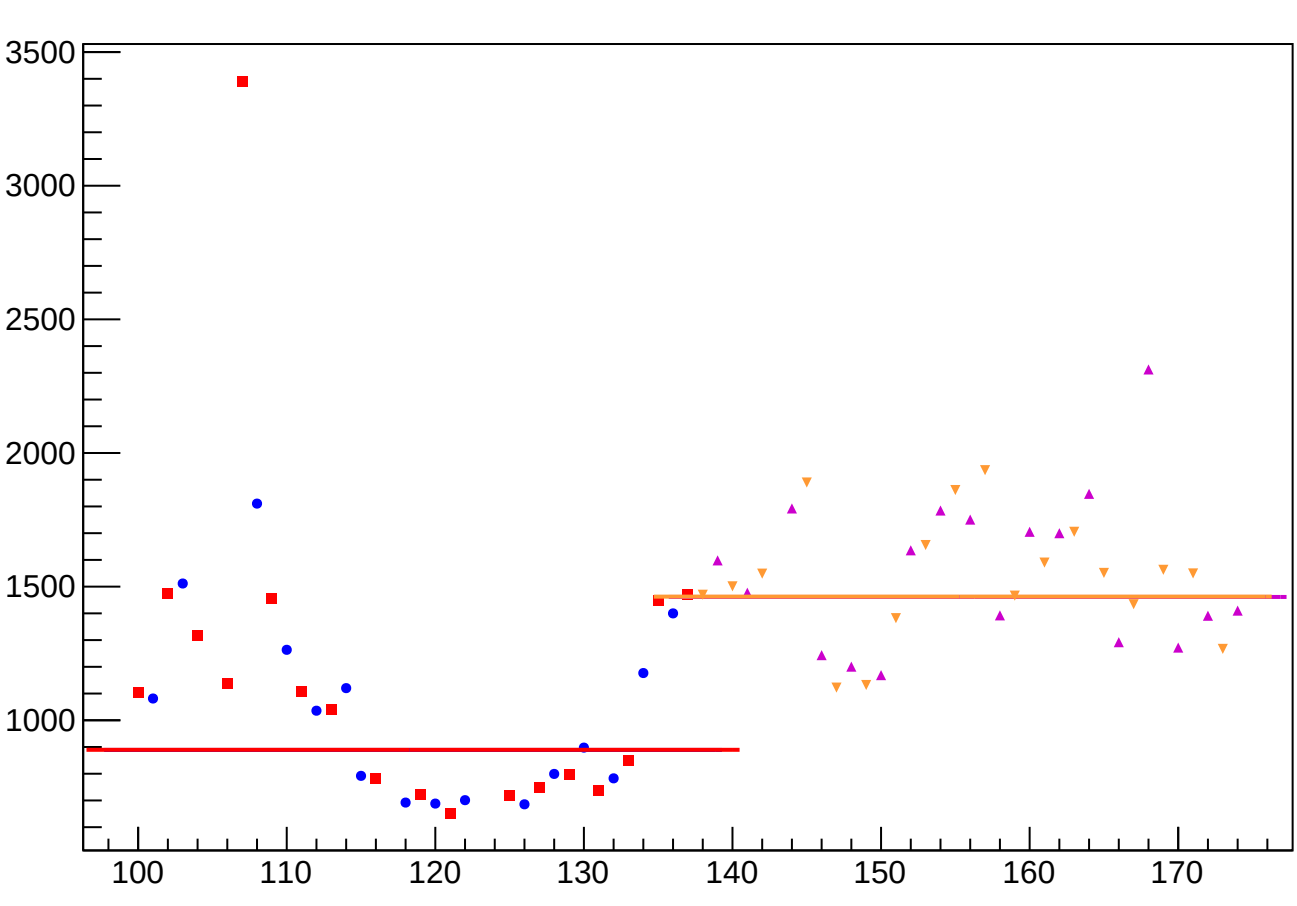
Left: -260.286+/-276.027 χ^2/NDF: 52.3/35

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

In: 23.351+/-257.346 χ^2/NDF:30.0/33

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

All: -22.213+/-182.867 χ^2/NDF: 99.8/69



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

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

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

Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

Left: 1461.993+/-0.195 χ^2/NDF: 1535425.8/35

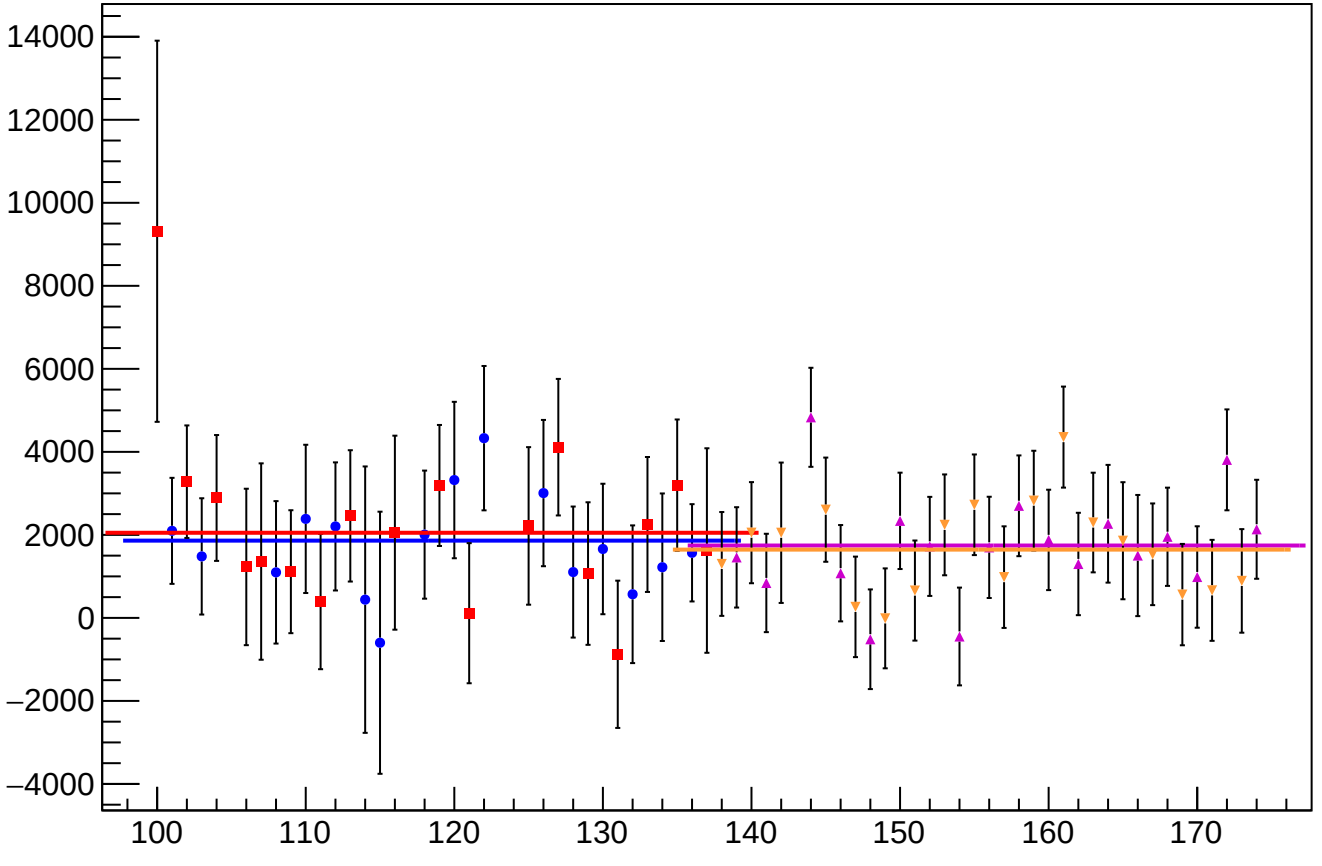
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1143.690+/-0.182 χ^2/NDF:4434450.1/33

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

All: 1140.610+/-0.129 χ^2/NDF: 8846039.6/69

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1743.586+/-287.188 χ^2/NDF:19.3/17

Left: 1695.370+/-205.288 χ^2/NDF: 33.4/35

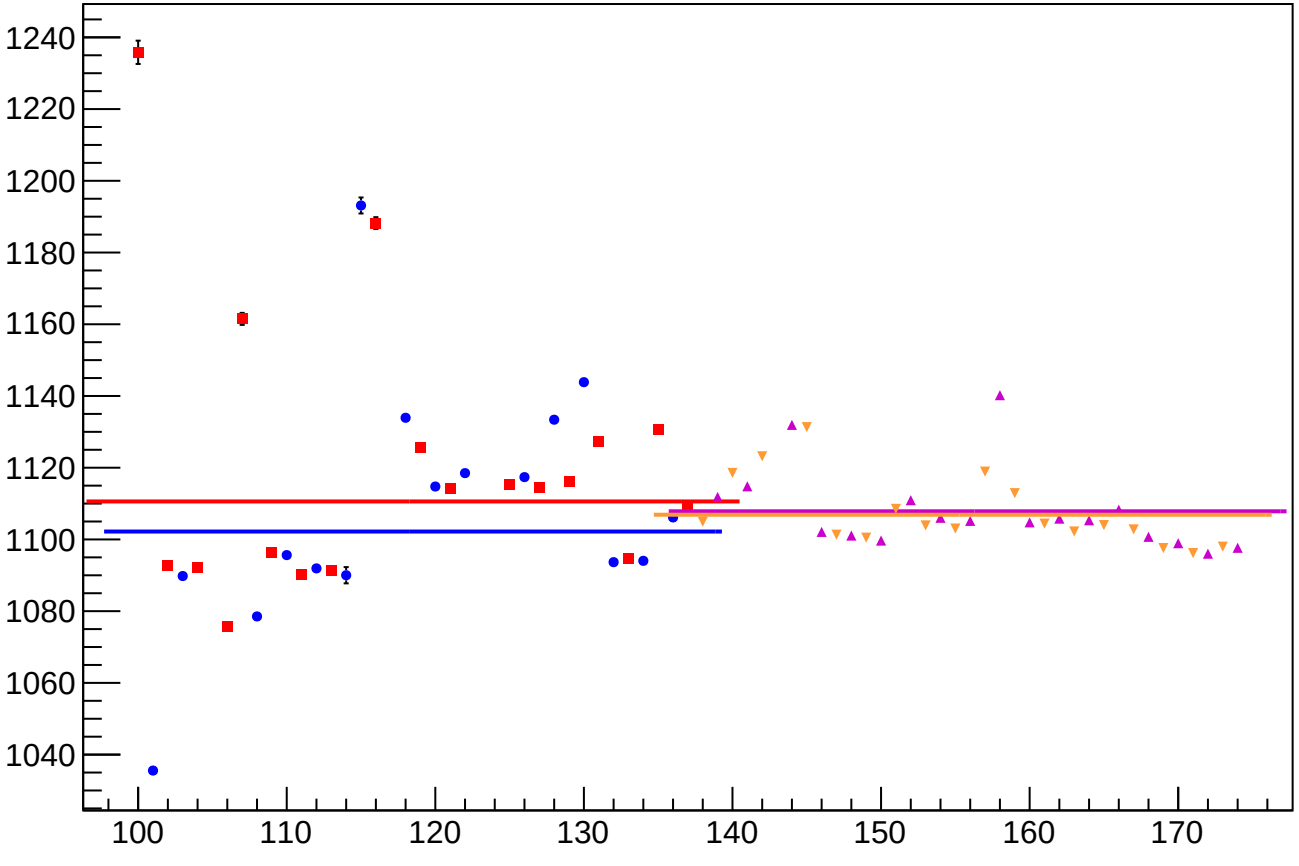
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1782.466+/-235.133 χ^2/NDF:24.7/33

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

All: 1782.666+/-167.455 χ^2/NDF: 51.9/69

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1107.848+/-0.203 χ^2/NDF:3107.1/17

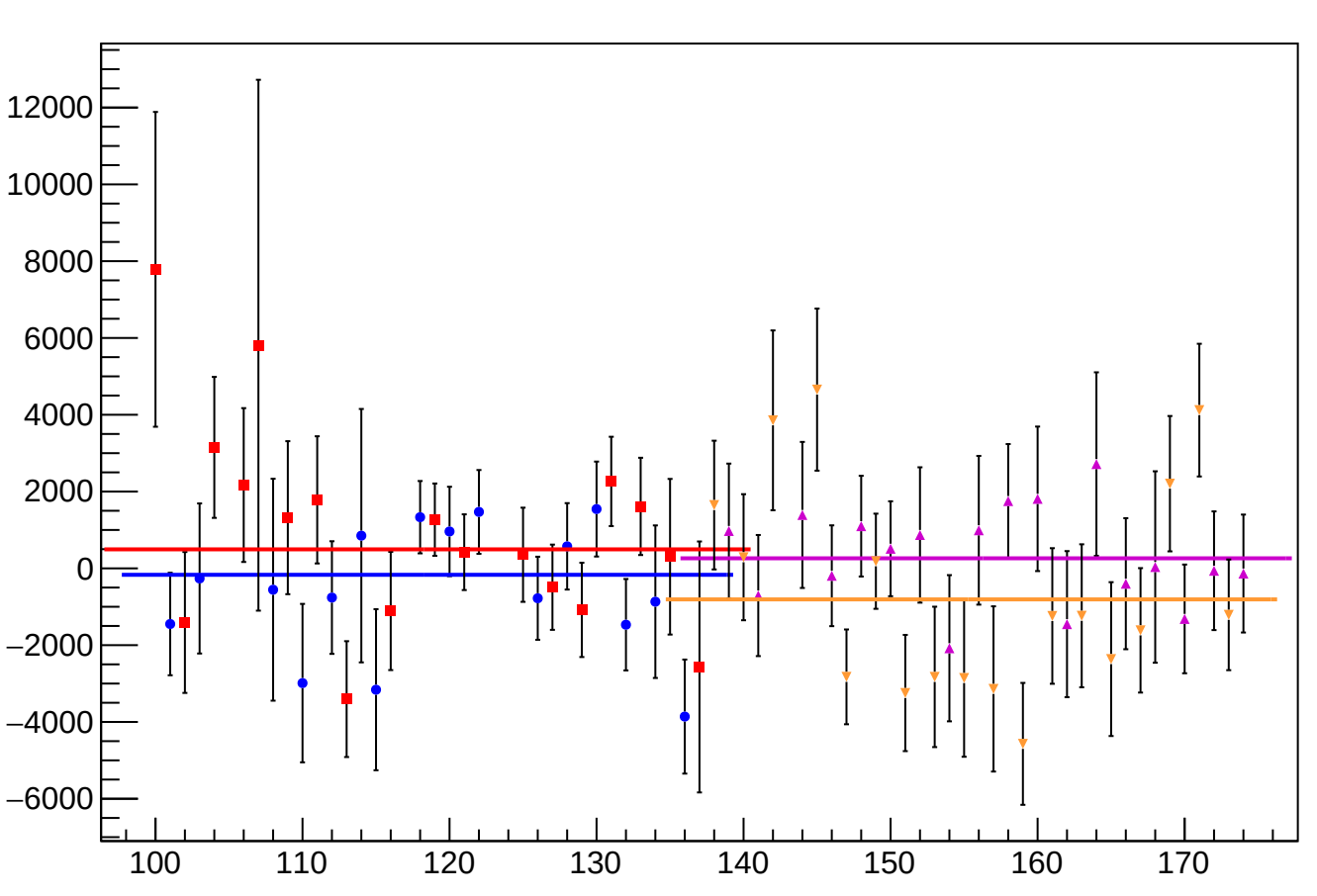
Left: 1107.379+/-0.145 χ^2/NDF: 5068.5/35

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

In: 1105.988+/-0.166 χ^2/NDF:14710.5/33

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

All: 1107.052+/-0.118 χ^2/NDF: 24548.3/69



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

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

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

Left In: 261.860+/-385.775 χ^2/NDF:8.3/17

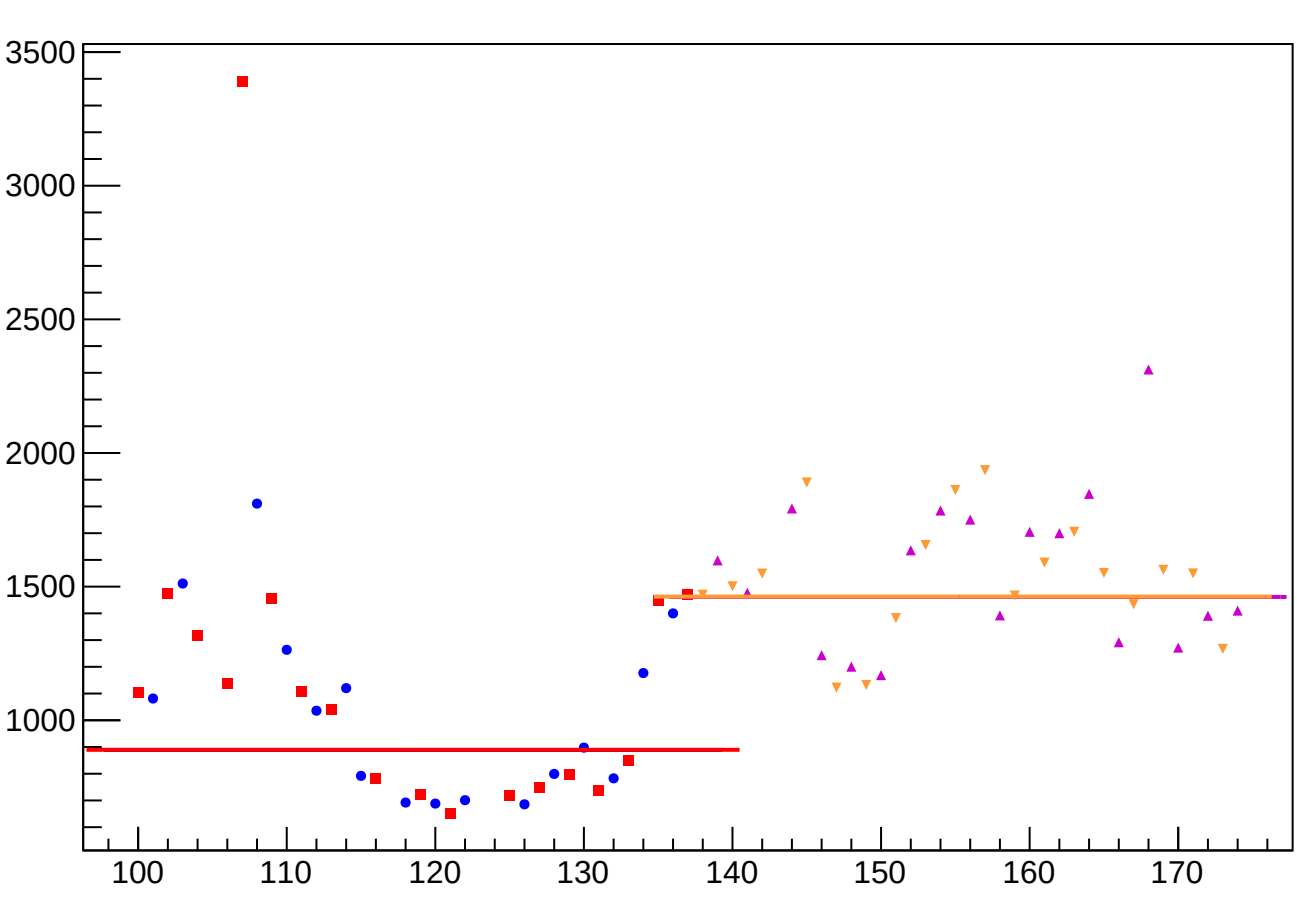
Left: -260.286+/-276.027 χ^2/NDF: 52.3/35

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

In: 23.351+/-257.346 χ^2/NDF:30.0/33

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

All: -22.213+/-182.867 χ^2/NDF: 99.8/69



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

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

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

Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

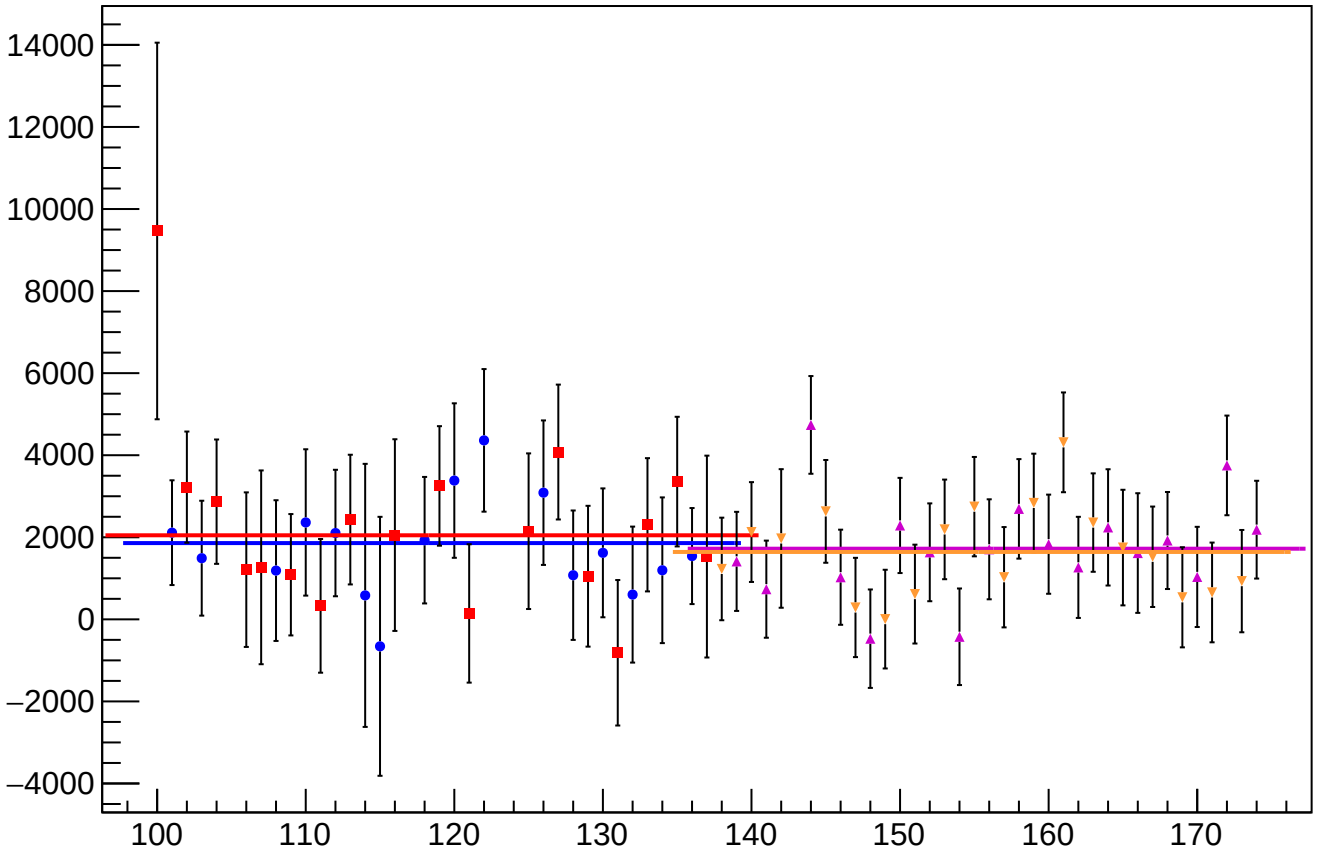
Left: 1461.993+/-0.195 χ^2/NDF: 1535425.8/35

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

In: 1143.690+/-0.182 χ^2/NDF:4434450.1/33

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

All: 1140.610+/-0.129 χ^2/NDF: 8846039.6/69



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

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

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

Left In: 1721.609+/-286.910 χ^2/NDF:18.7/17

Left: 1682.881+/-205.088 χ^2/NDF: 32.8/35

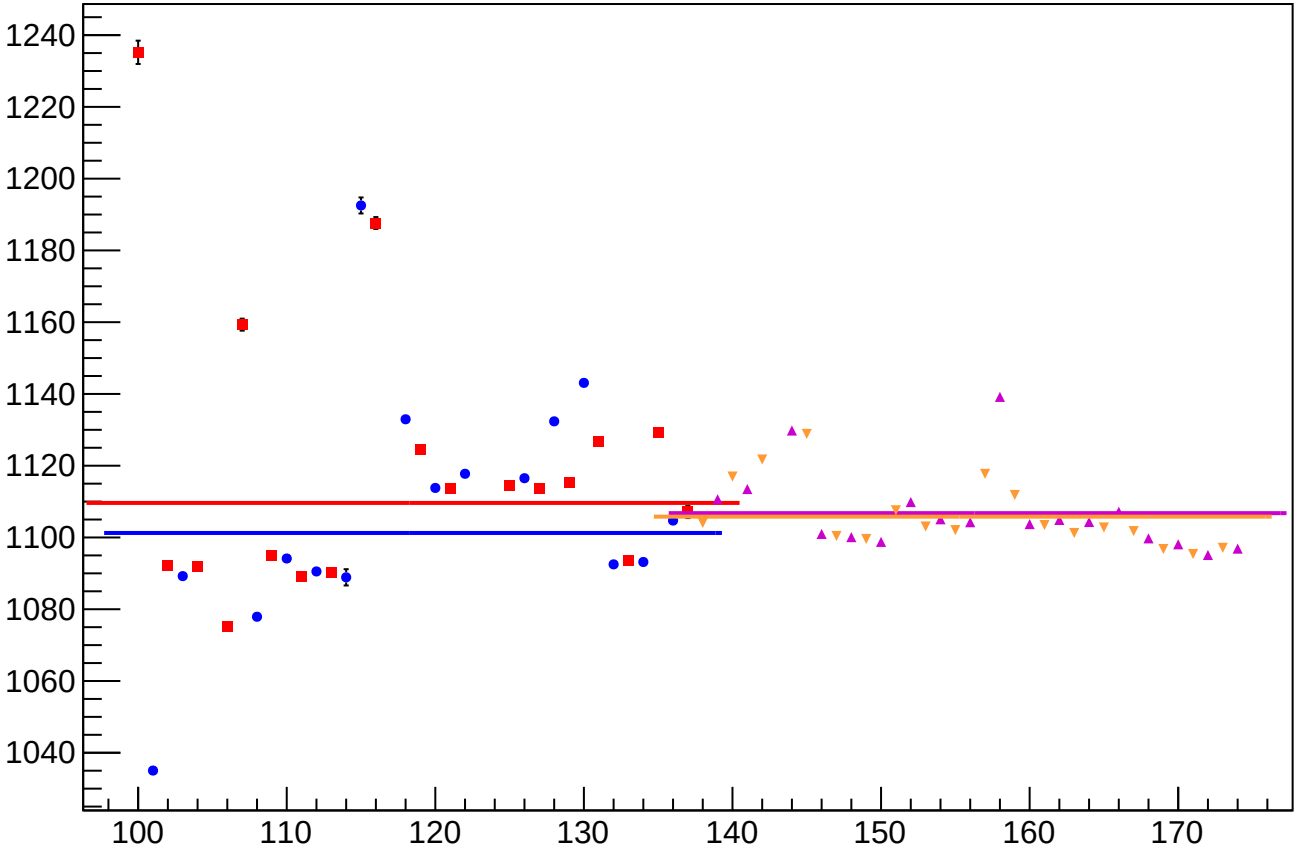
Right: 1953.743+/-289.229 χ^2/NDF: 18.3/33

In: 1766.790+/-234.913 χ^2/NDF:24.2/33

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

All: 1773.505+/-167.297 χ^2/NDF: 51.6/69

overload_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1106.777+/-0.203 χ^2/NDF:3012.5/17

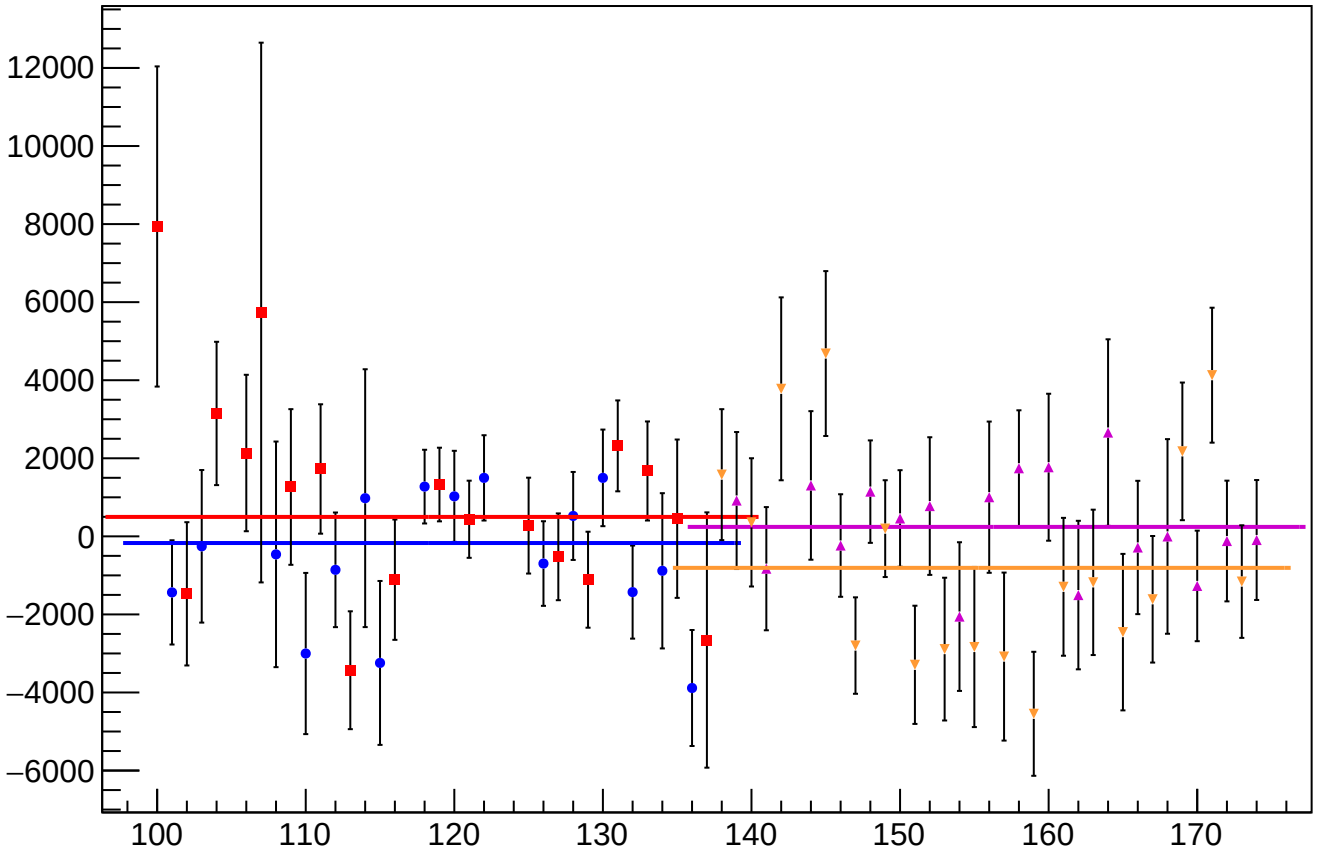
Left: 1106.302+/-0.145 χ^2/NDF: 4840.8/35

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

In: 1104.957+/-0.166 χ^2/NDF:14565.1/33

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

All: 1106.015+/-0.118 χ^2/NDF: 24252.9/69



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

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

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

Left In: 242.181+/-385.997 χ^2/NDF:8.2/17

Left: -269.992+/-276.186 χ^2/NDF: 51.9/35

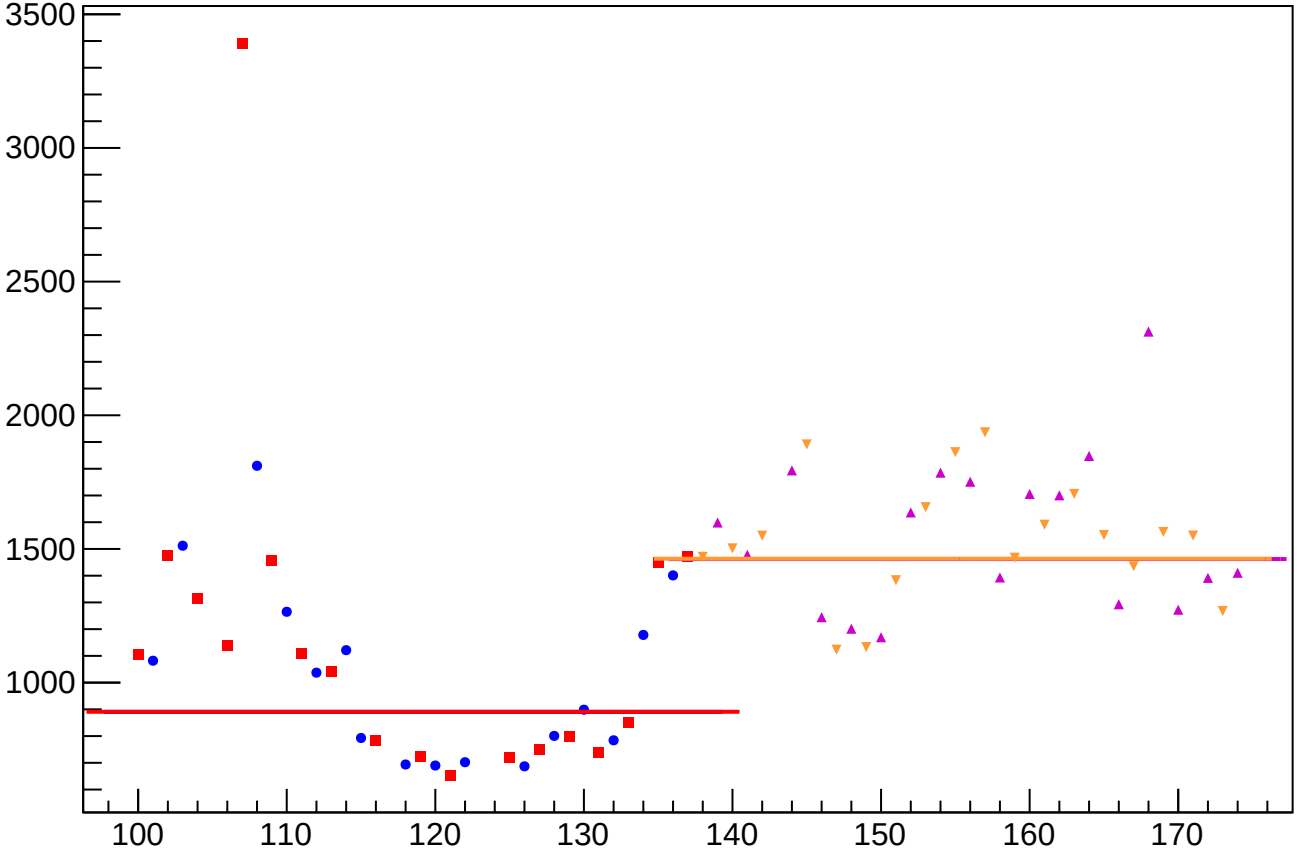
Right: 163.915+/-244.498 χ^2/NDF: 46.7/33

In: 13.108+/-257.635 χ^2/NDF:29.7/33

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

All: -26.729+/-183.069 χ^2/NDF: 100.0/69

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



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

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

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

Left In: 1462.263+/-0.273 χ^2/NDF:856495.1/17

Left: 1462.874+/-0.195 χ^2/NDF: 1533139.2/35

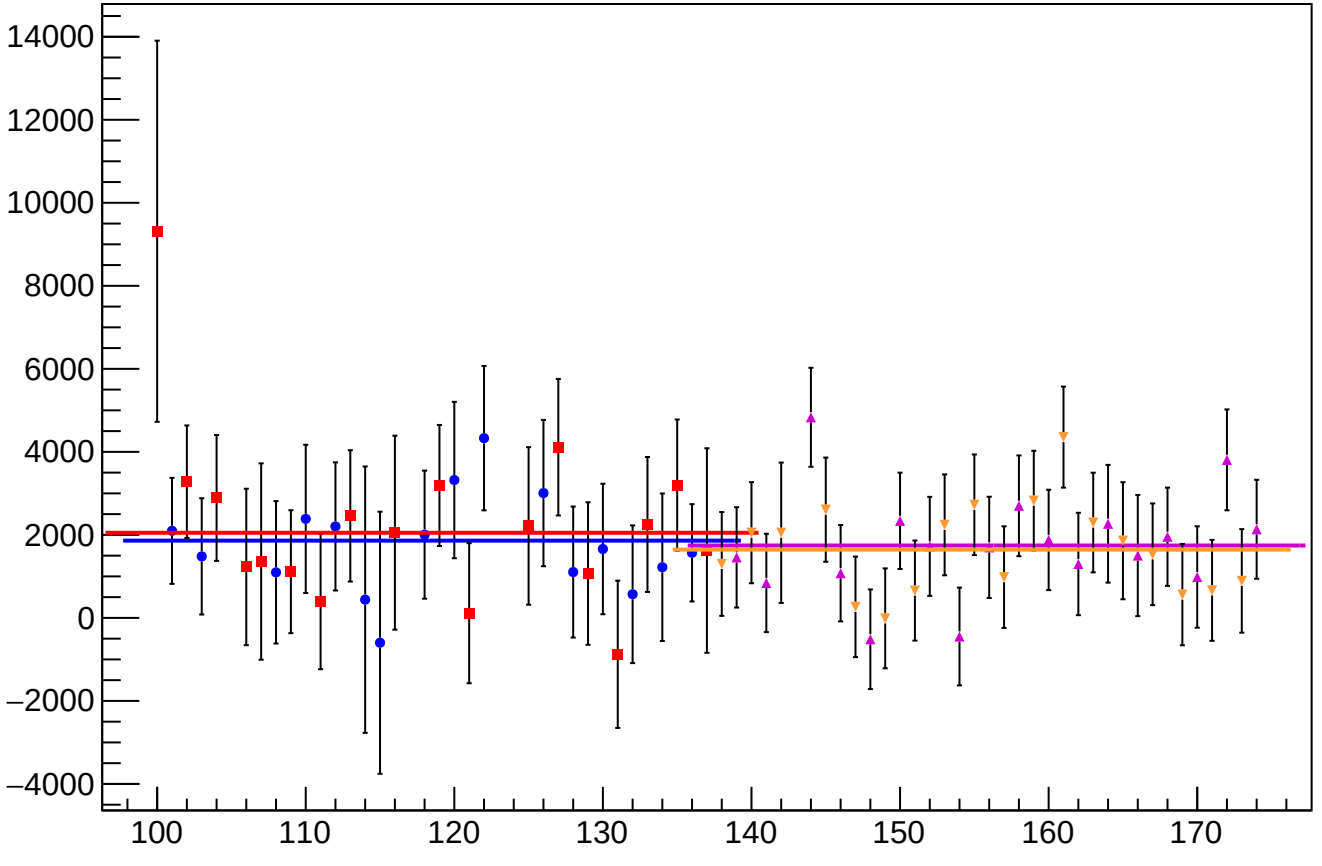
Right: 890.717+/-0.173 χ^2/NDF: 2470545.1/33

In: 1145.214+/-0.182 χ^2/NDF:4418610.5/33

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

All: 1142.104+/-0.129 χ^2/NDF: 8815812.9/69

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1743.586+/-287.188 χ^2/NDF:19.3/17

Left: 1695.370+/-205.288 χ^2/NDF: 33.4/35

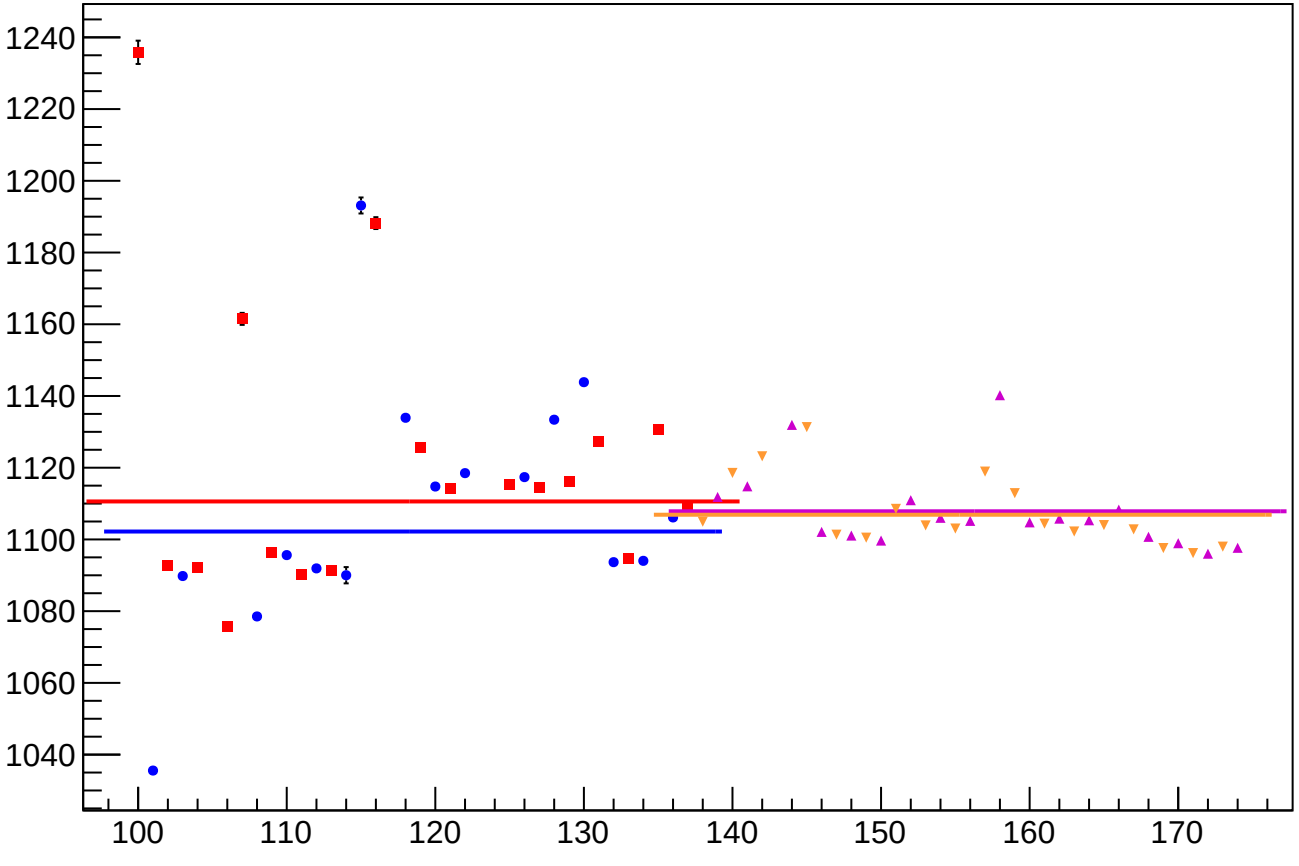
Right: 1956.247+/-289.480 χ^2/NDF: 18.0/33

In: 1782.466+/-235.133 χ^2/NDF:24.7/33

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

All: 1782.666+/-167.455 χ^2/NDF: 51.9/69

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1107.848+/-0.203 χ^2/NDF:3107.1/17

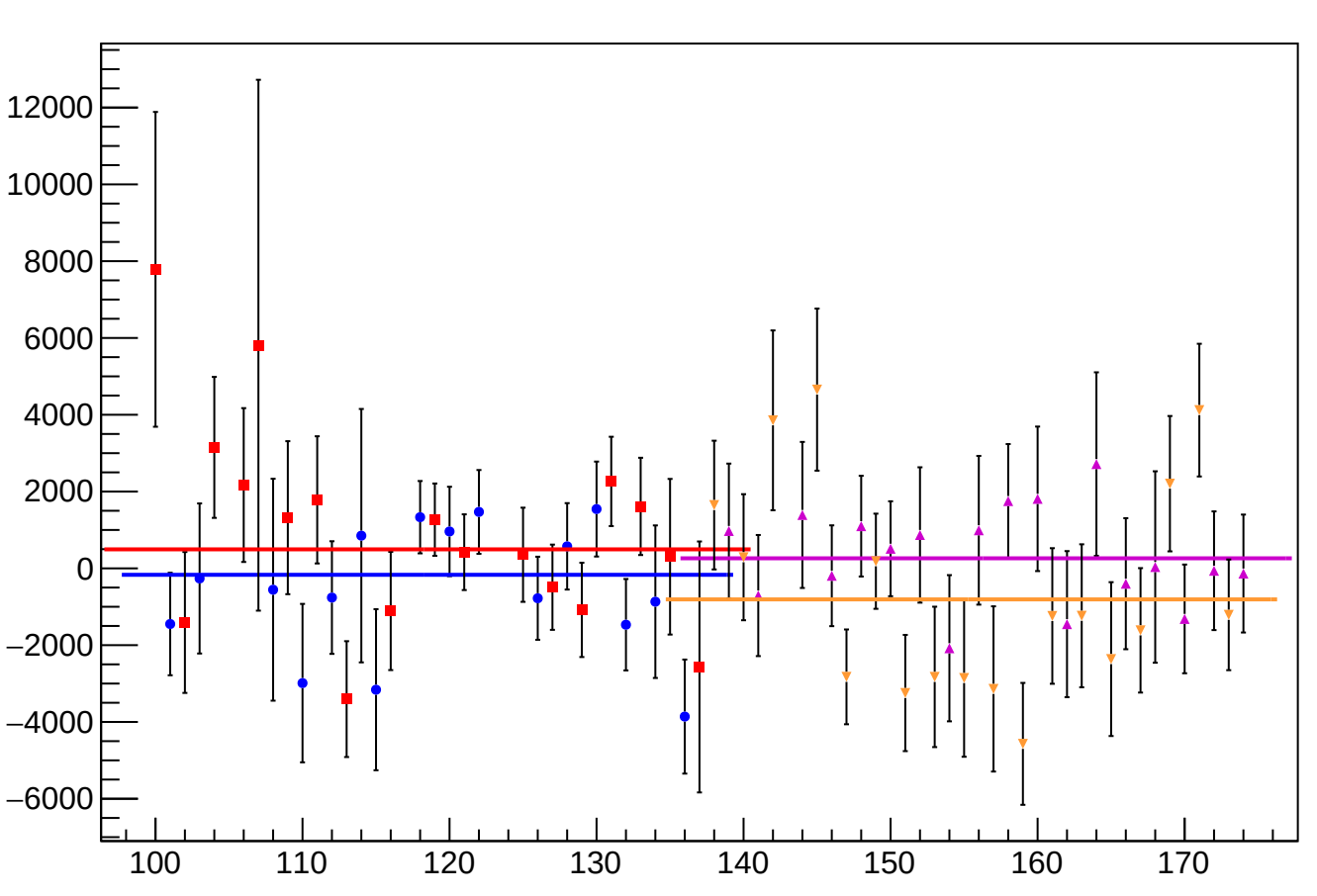
Left: 1107.379+/-0.145 χ^2/NDF: 5068.5/35

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

In: 1105.988+/-0.166 χ^2/NDF:14710.5/33

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

All: 1107.052+/-0.118 χ^2/NDF: 24548.3/69



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

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

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

Left In: 261.860+/-385.775 χ^2/NDF:8.3/17

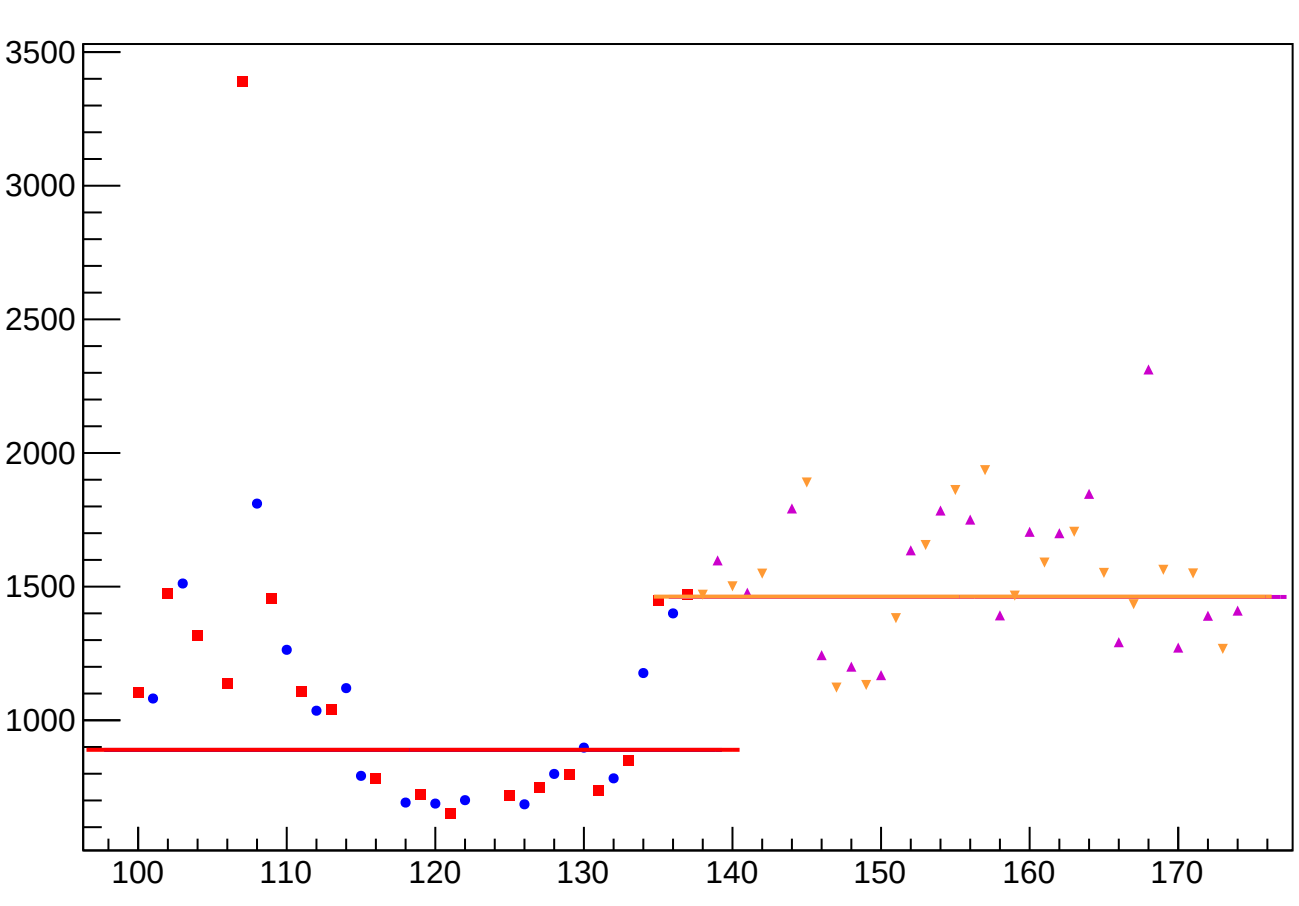
Left: -260.286+/-276.027 χ^2/NDF: 52.3/35

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

In: 23.351+/-257.346 χ^2/NDF:30.0/33

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

All: -22.213+/-182.867 χ^2/NDF: 99.8/69



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

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

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

Left In: 1461.383+/-0.273 χ^2/NDF:857750.8/17

Left: 1461.993+/-0.195 χ^2/NDF: 1535425.8/35

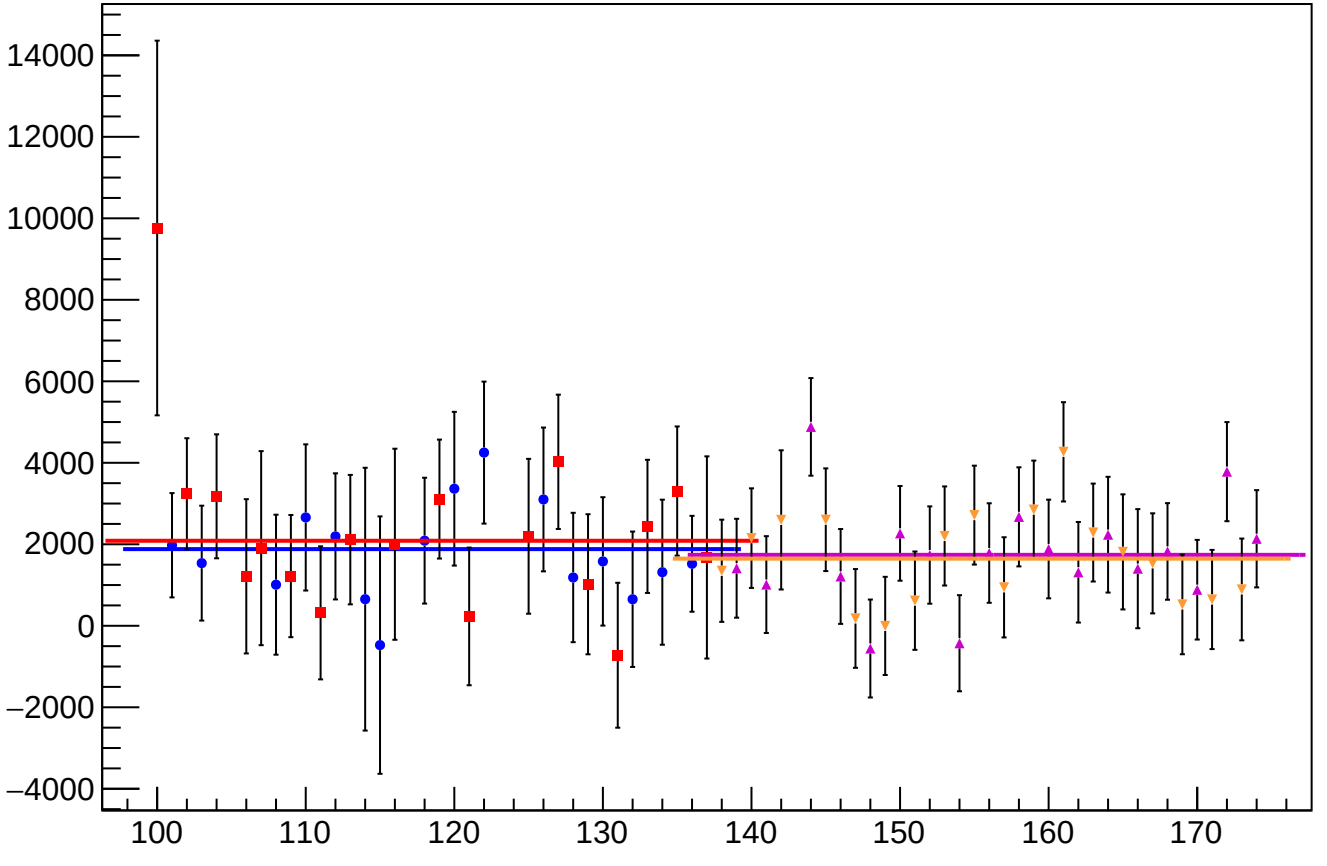
Right: 889.217+/-0.173 χ^2/NDF: 2478518.8/33

In: 1143.690+/-0.182 χ^2/NDF:4434450.1/33

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

All: 1140.610+/-0.129 χ^2/NDF: 8846039.6/69

dit_asym_usl_mean vs Slug, Sign Corrected



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

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

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

Left In: 1741.099+/-287.663 χ^2/NDF:19.1/17

Left: 1695.478+/-205.659 χ^2/NDF: 33.5/35

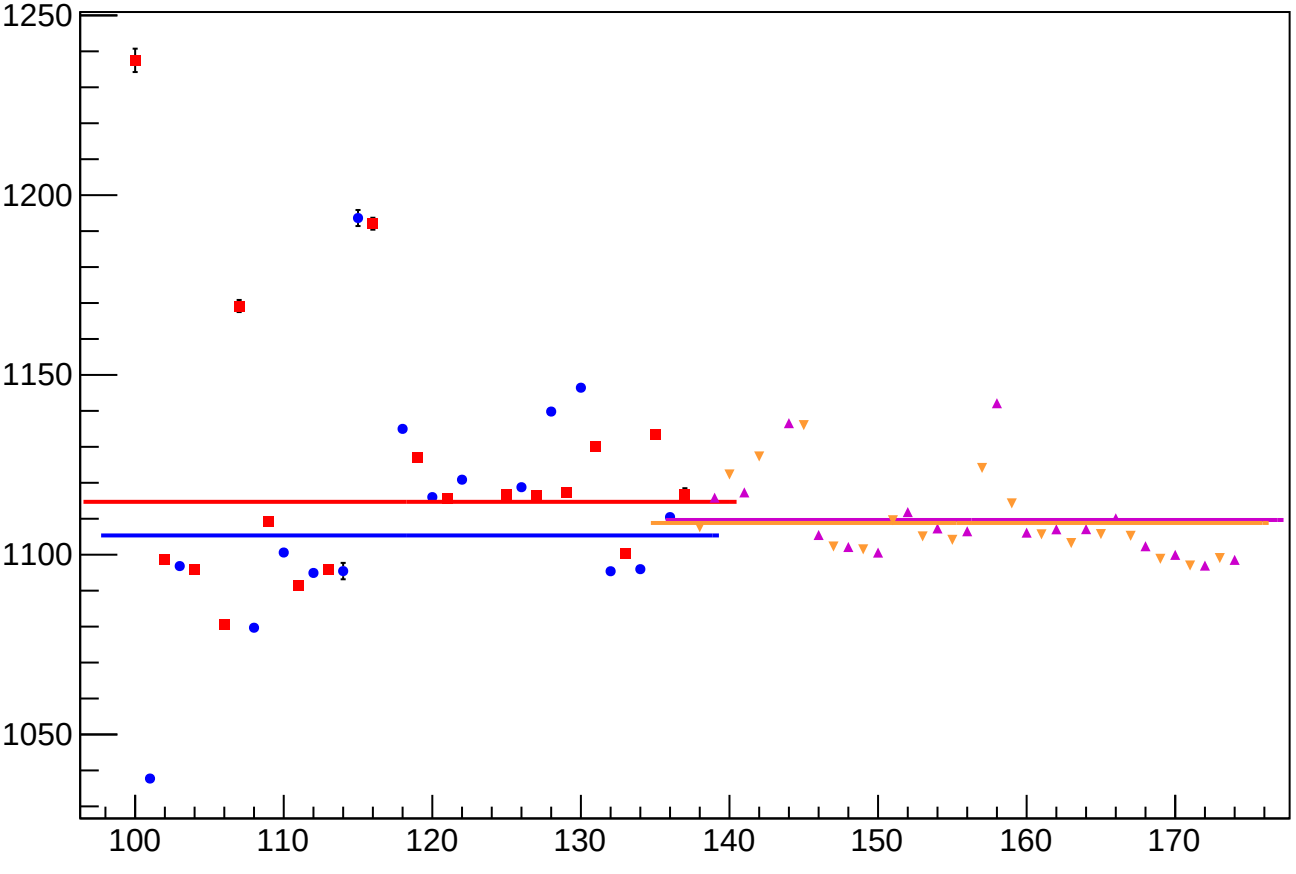
Right: 1984.184+/-290.439 χ^2/NDF: 17.7/33

In: 1787.316+/-235.616 χ^2/NDF:24.4/33

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

All: 1791.893+/-167.841 χ^2/NDF: 51.8/69

dit_asym_usl_rms vs Slug, Sign Corrected



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

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

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

Left In: 1109.656+/-0.203 χ^2/NDF:3451.4/17

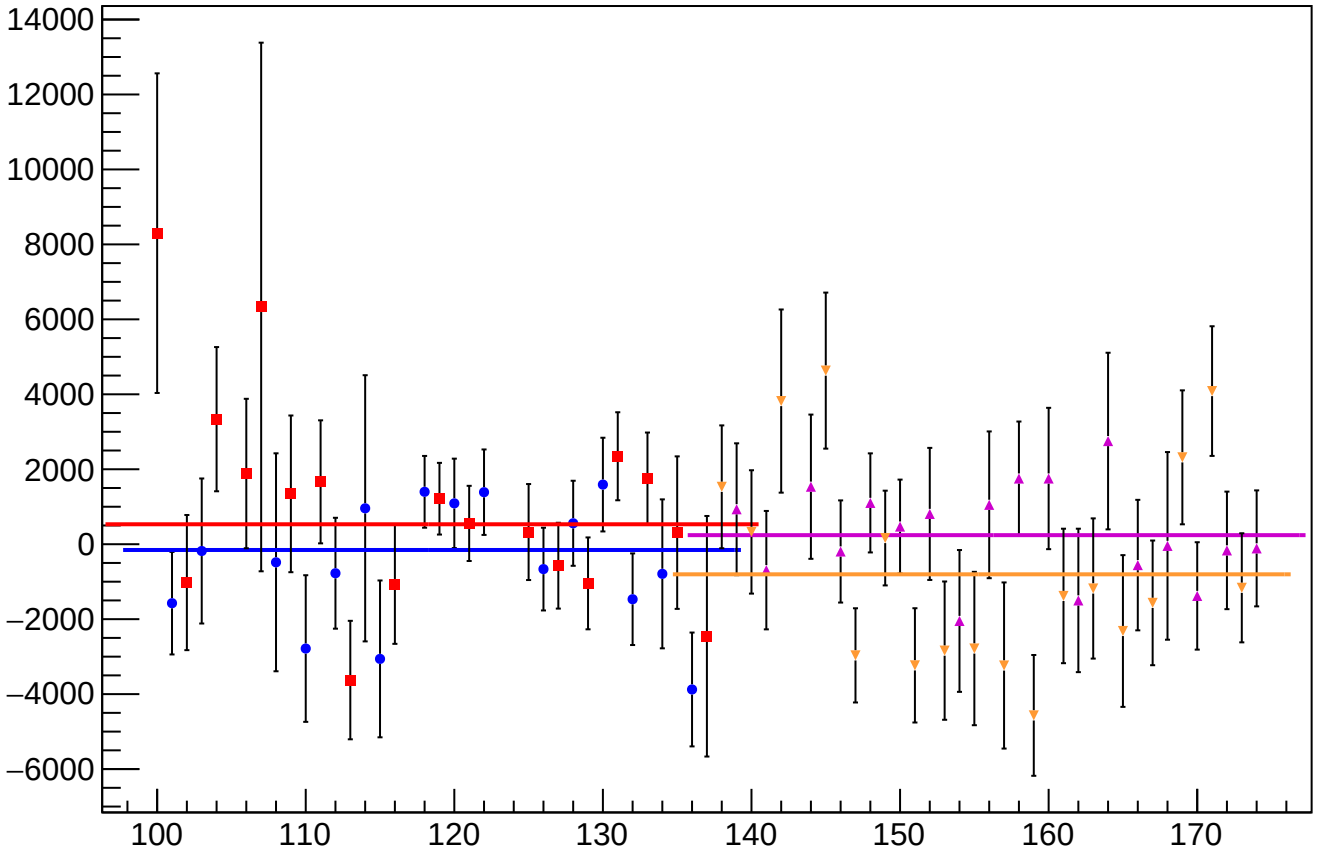
Left: 1109.251+/-0.145 χ^2/NDF: 5932.5/35

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

In: 1108.240+/-0.167 χ^2/NDF:14929.5/33

Out: 1110.820+/-0.169 χ^2/NDF:10073.9/35

All: 1109.511+/-0.119 χ^2/NDF: 25121.4/69



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

Left Out: -803.224+/-399.323 χ^2/NDF:39.8/17

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

Left In: 241.737+/-390.087 χ^2/NDF:8.5/17

Left: -268.519+/-279.041 χ^2/NDF: 51.8/35

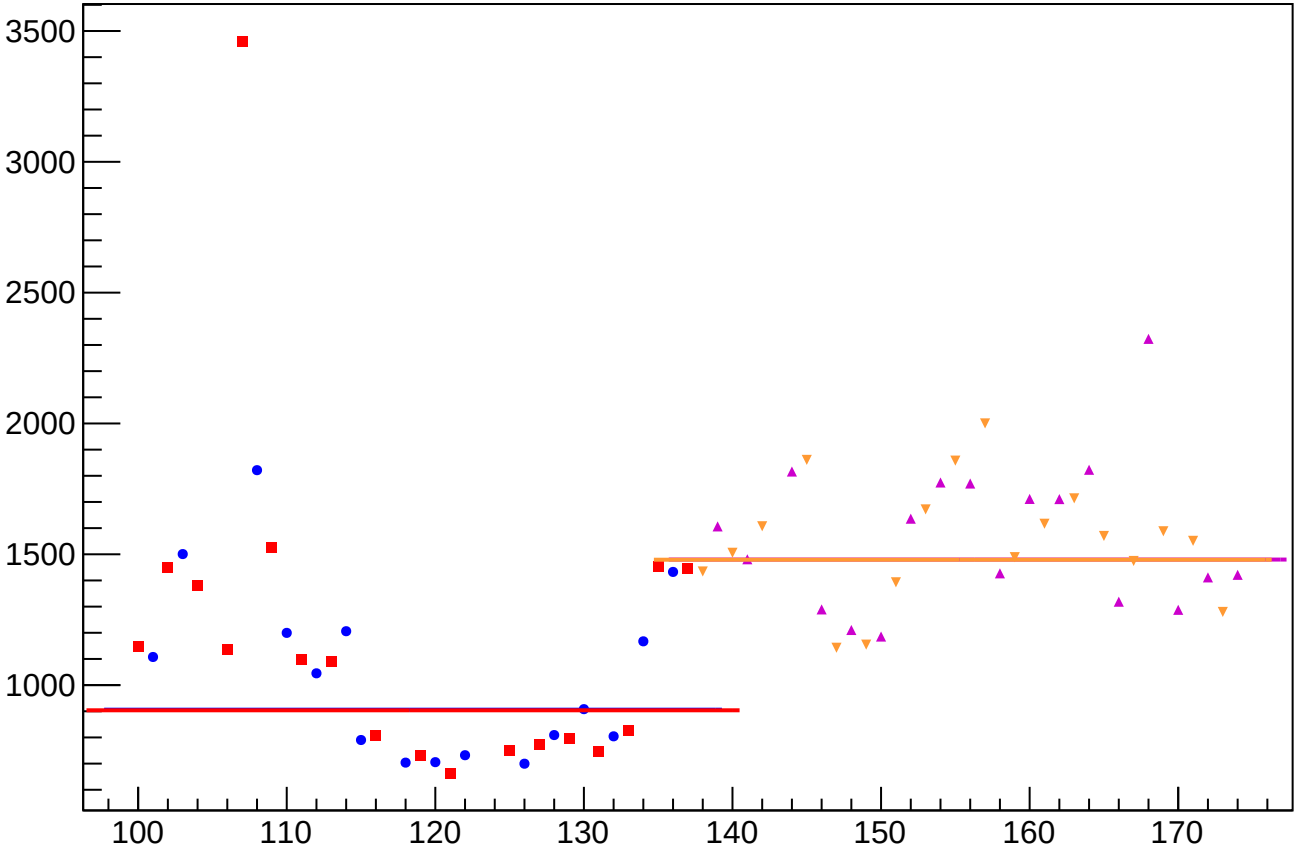
Right: 189.968+/-248.097 χ^2/NDF: 45.6/33

In: 23.232+/-261.053 χ^2/NDF:29.5/33

Out: -48.777+/-263.381 χ^2/NDF:69.4/35

All: -12.453+/-185.410 χ^2/NDF: 98.9/69

asym_usl_dit_correction_rms vs Slug, Sign Corrected



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

Left Out: 1479.266+/-0.282 χ^2/NDF:652796.3/17

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

Left In: 1479.866+/-0.276 χ^2/NDF:802989.2/17

Left: 1479.573+/-0.197 χ^2/NDF: 1455787.8/35

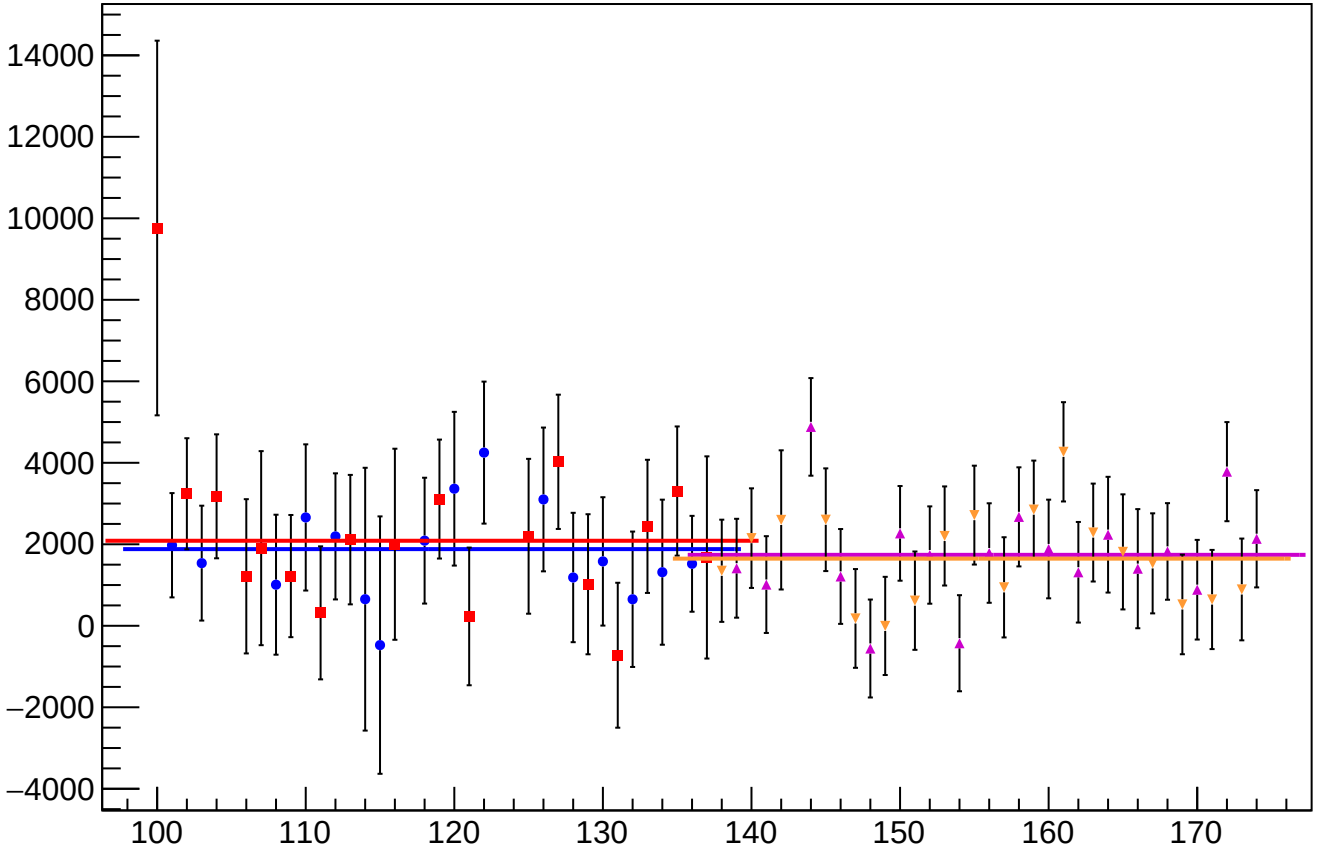
Right: 904.892+/-0.175 χ^2/NDF: 2419459.6/33

In: 1163.026+/-0.185 χ^2/NDF:4272055.7/33

Out: 1154.119+/-0.186 χ^2/NDF:4339790.5/35

All: 1158.612+/-0.131 χ^2/NDF: 8612999.9/69

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1647.778+/-294.136 χ^2/NDF:14.3/17

Right Out: 2086.884+/-410.785 χ^2/NDF: 12.4/17

Left In: 1741.100+/-287.663 χ^2/NDF:19.1/17

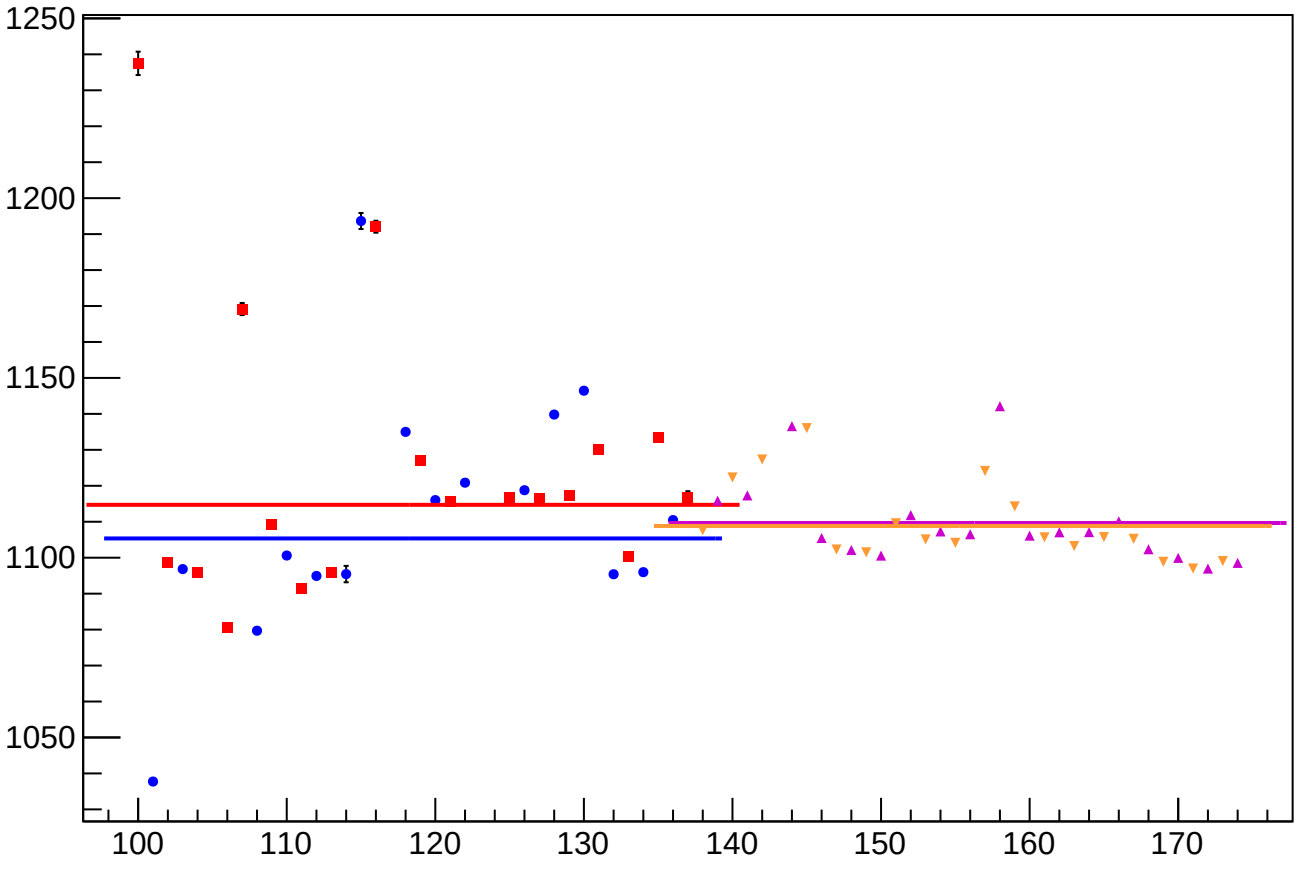
Left: 1695.477+/-205.659 χ^2/NDF: 33.5/35

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

In: 1787.317+/-235.616 χ^2/NDF:24.4/33

Out: 1796.605+/-239.150 χ^2/NDF:27.5/35

All: 1791.892+/-167.841 χ^2/NDF: 51.8/69



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

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

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

Left In: 1109.656+/-0.203 χ^2/NDF:3451.4/17

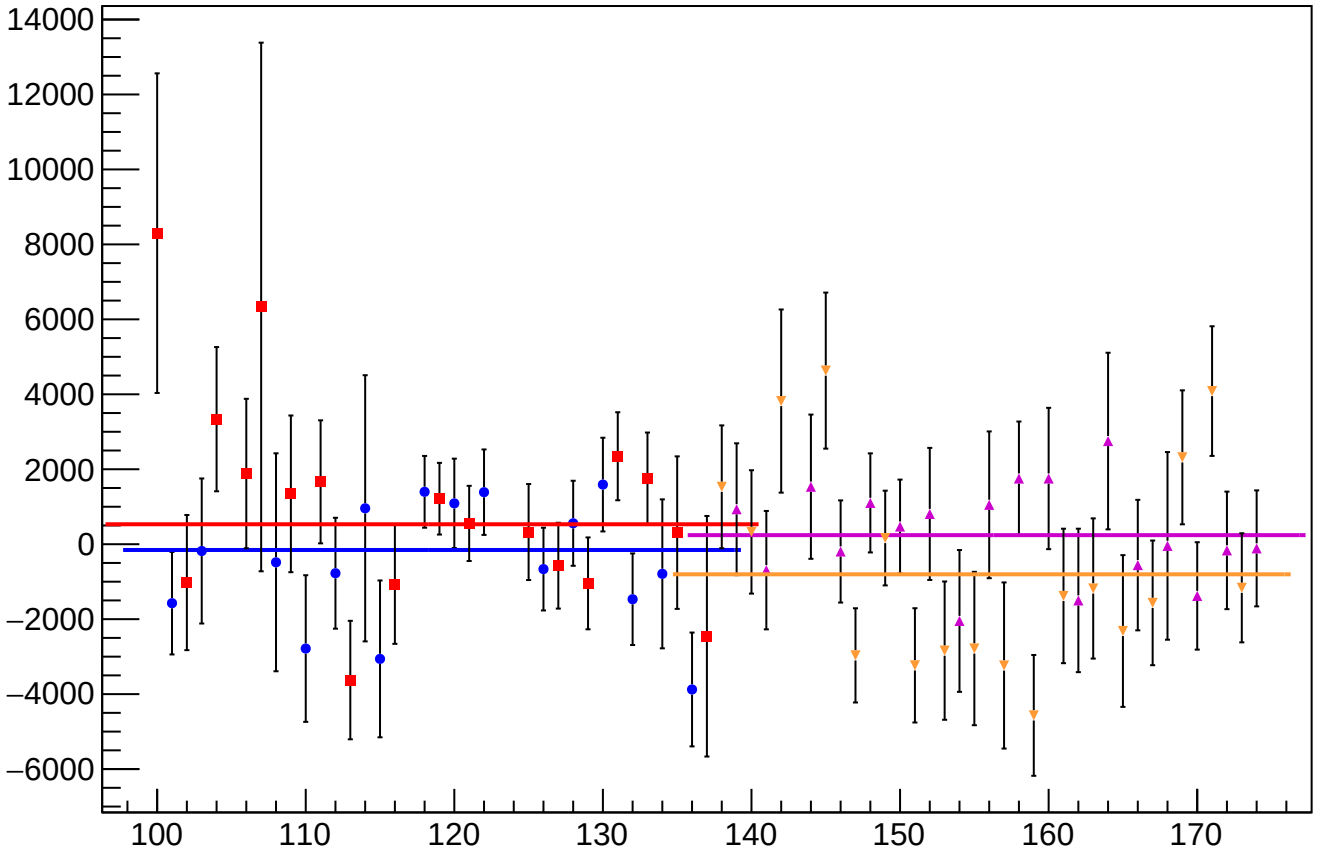
Left: 1109.251+/-0.145 χ^2/NDF: 5932.5/35

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

In: 1108.240+/-0.167 χ^2/NDF:14929.5/33

Out: 1110.820+/-0.169 χ^2/NDF:10073.9/35

All: 1109.511+/-0.119 χ^2/NDF: 25121.4/69



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

Left Out: -803.228+/-399.324 χ^2/NDF:39.8/17

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

Left In: 241.737+/-390.087 χ^2/NDF:8.5/17

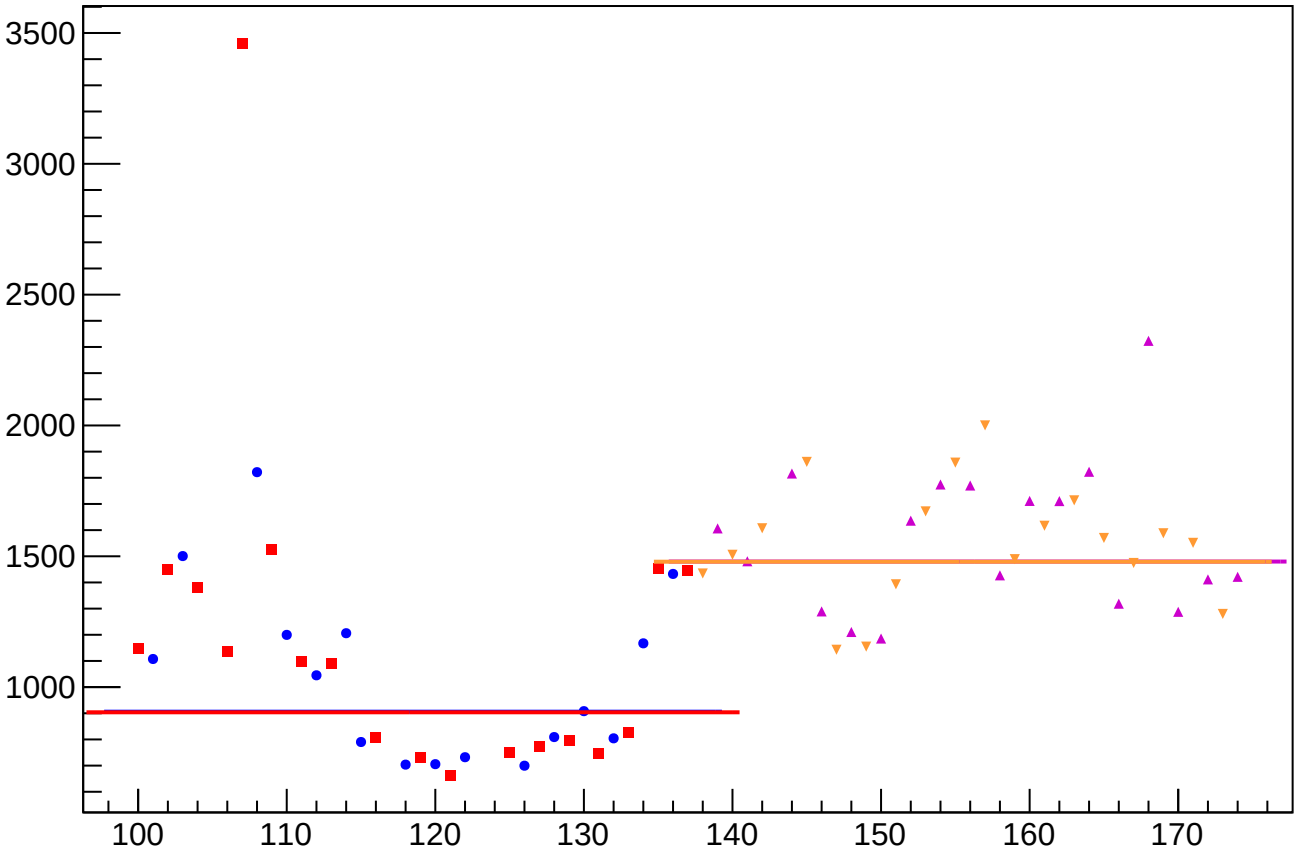
Left: -268.521+/-279.042 χ^2/NDF: 51.8/35

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

In: 23.232+/-261.052 χ^2/NDF:29.5/33

Out: -48.777+/-263.381 χ^2/NDF:69.4/35

All: -12.453+/-185.410 χ^2/NDF: 98.9/69



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

Left Out: 1479.268+/-0.282 χ^2/NDF:652793.0/17

Right Out: 903.751+/-0.248 χ^2/NDF: 1339985.4/17

Left In: 1479.868+/-0.276 χ^2/NDF:802986.1/17

Left: 1479.575+/-0.197 χ^2/NDF: 1455781.4/35

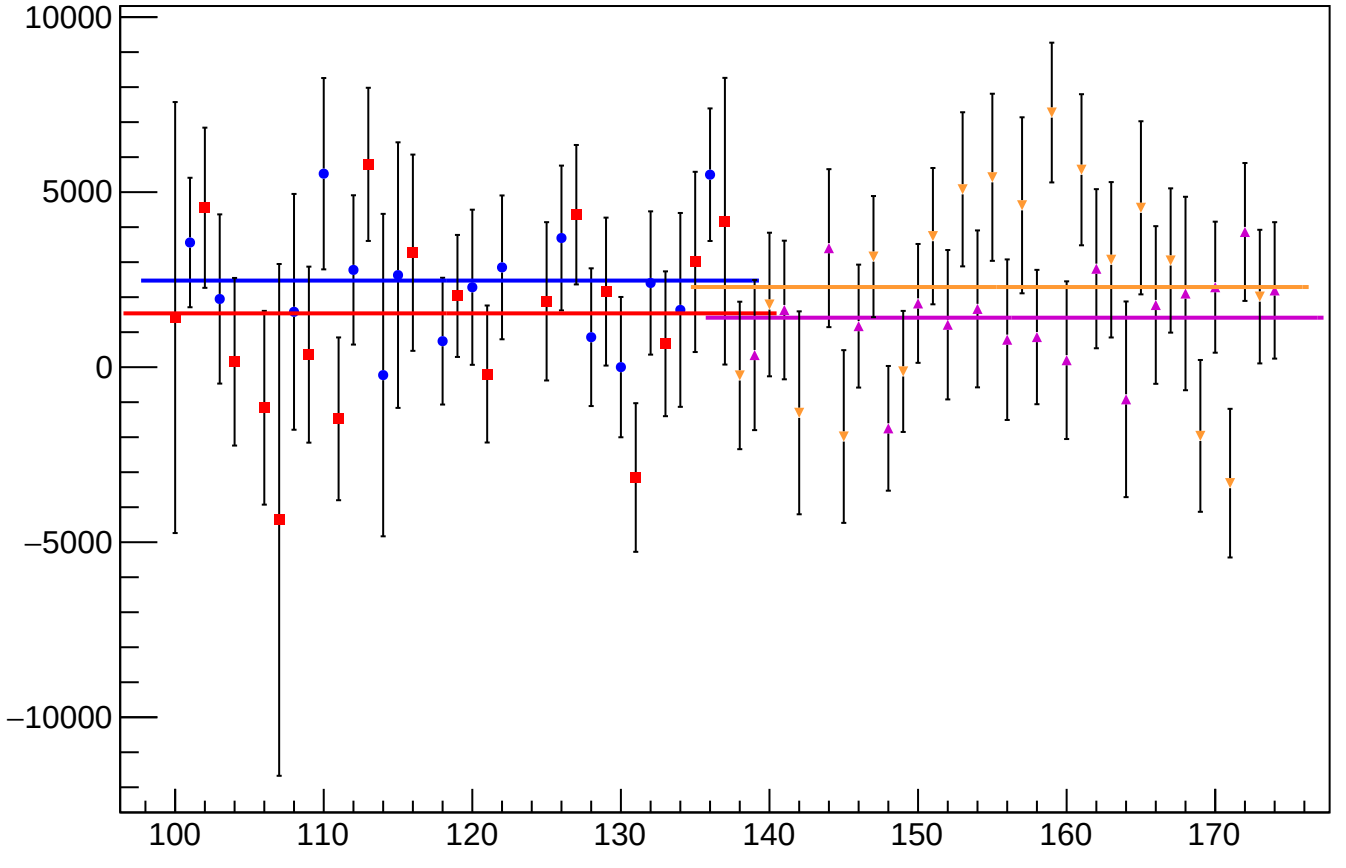
Right: 904.890+/-0.175 χ^2/NDF: 2419467.8/33

In: 1163.025+/-0.185 χ^2/NDF:4272088.1/33

Out: 1154.118+/-0.186 χ^2/NDF:4339822.9/35

All: 1158.611+/-0.131 χ^2/NDF: 8613064.8/69

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2289.757+/-500.273 χ^2/NDF:33.5/17

Right Out: 1537.435+/-563.556 χ^2/NDF: 18.5/17

Left In: 1413.649+/-488.583 χ^2/NDF:7.8/17

Left: 1841.347+/-349.540 χ^2/NDF: 42.9/35

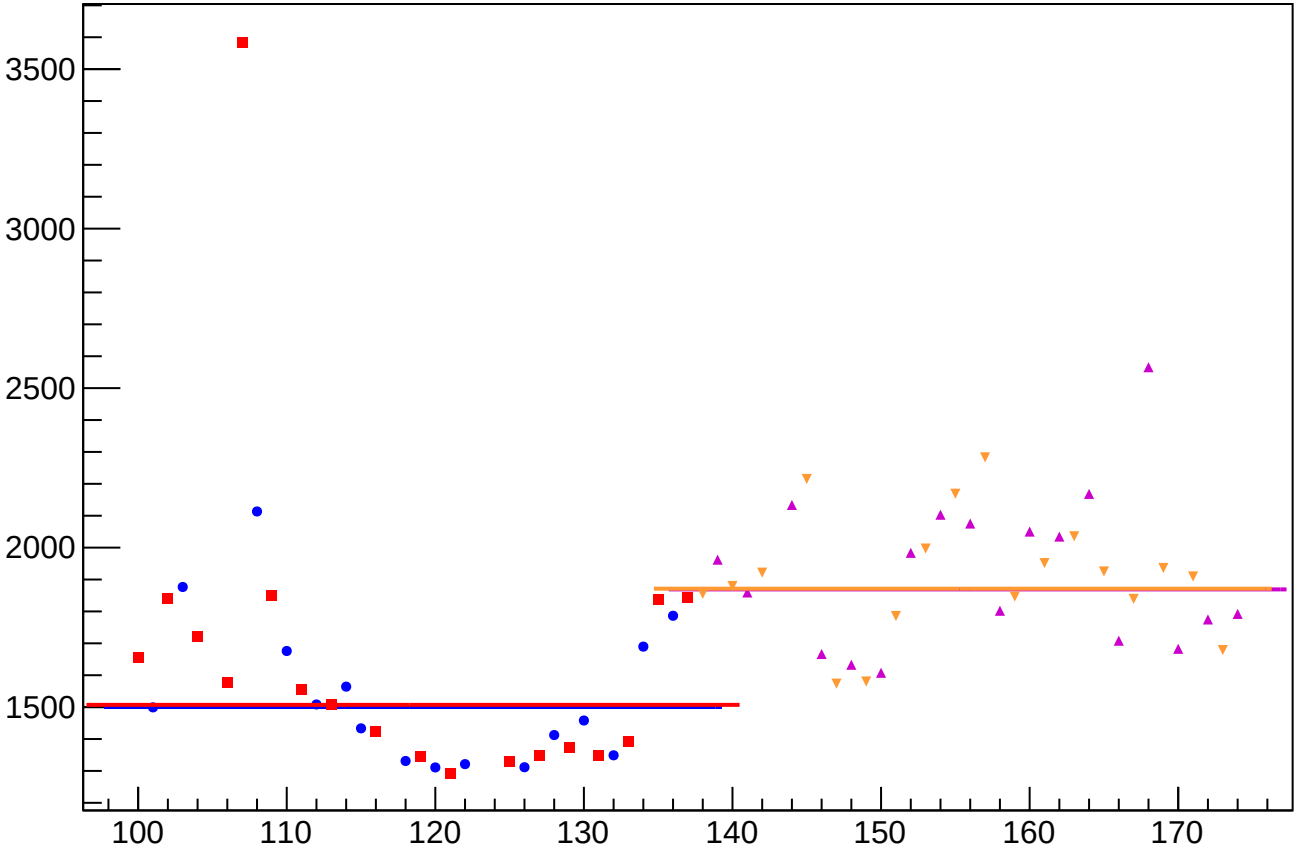
Right: 2006.383+/-398.225 χ^2/NDF: 28.1/33

In: 1869.377+/-368.948 χ^2/NDF:18.1/33

Out: 1958.191+/-374.128 χ^2/NDF:53.1/35

All: 1913.165+/-262.698 χ^2/NDF: 71.1/69

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1871.284+/-0.354 χ^2/NDF:288795.6/17

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

Left In: 1869.047+/-0.345 χ^2/NDF:397991.3/17

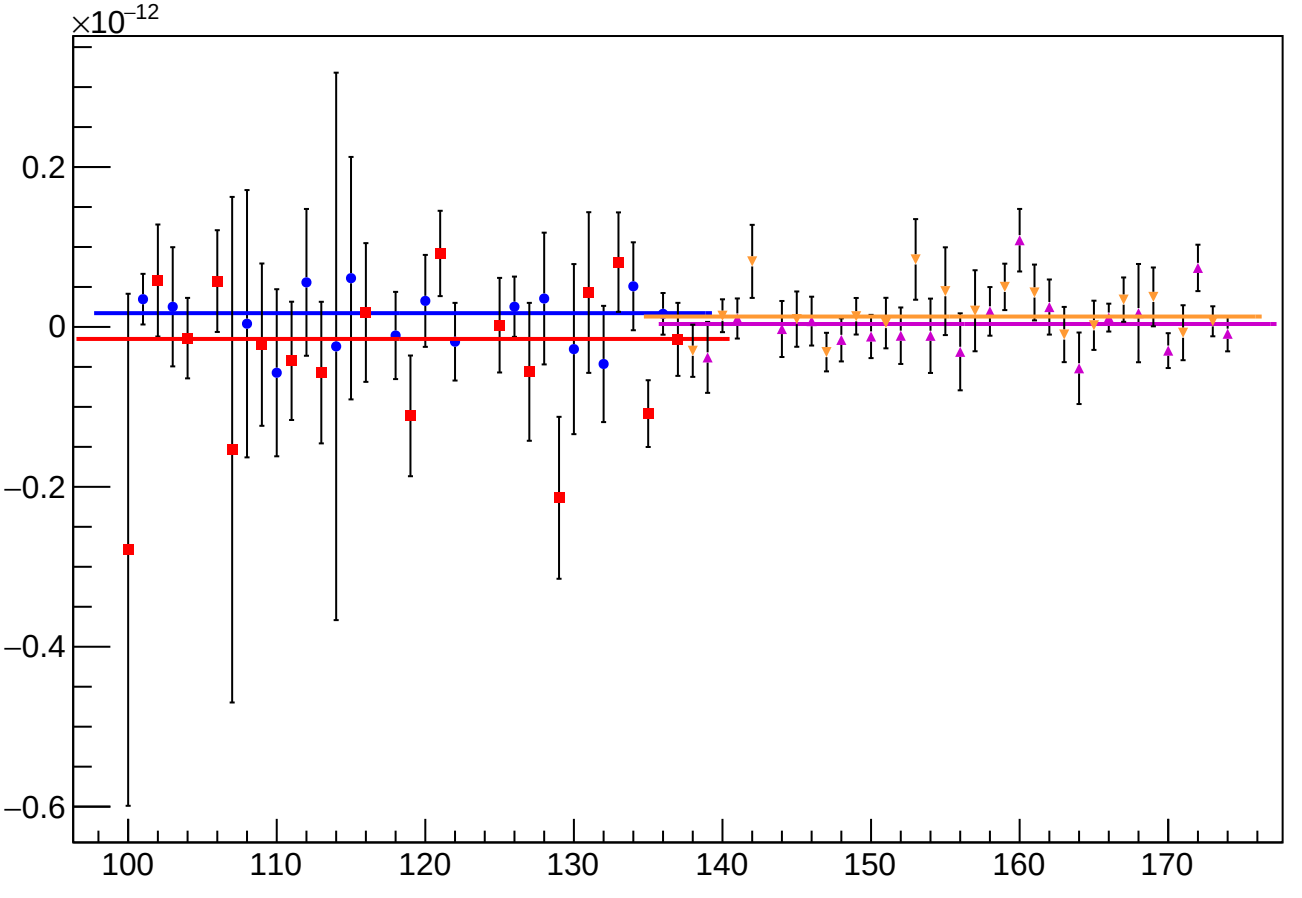
Left: 1870.139+/-0.247 χ^2/NDF: 686807.3/35

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

In: 1710.606+/-0.261 χ^2/NDF:1146176.7/33

Out: 1710.778+/-0.265 χ^2/NDF:1157143.3/35

All: 1710.691+/-0.186 χ^2/NDF: 2303320.2/69



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

Left Out: 0.000+/-0.000 χ^2/NDF:14.2/17

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

Left In: 0.000+/-0.000 χ^2/NDF:20.8/17

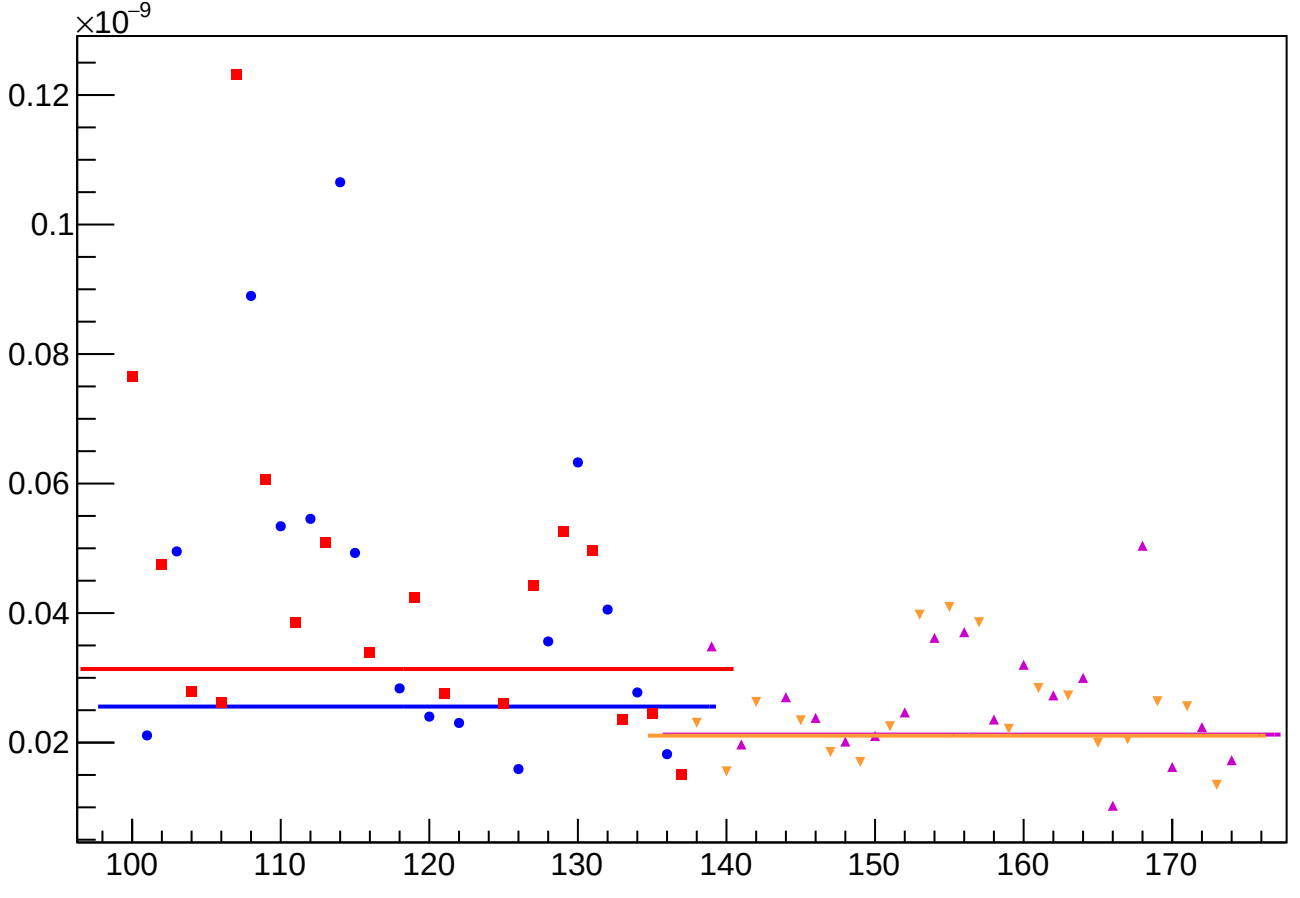
Left: 0.000+/-0.000 χ^2/NDF: 35.9/35

Right: 0.000+/-0.000 χ^2/NDF: 27.0/33

In: 0.000+/-0.000 χ^2/NDF:25.0/33

Out: 0.000+/-0.000 χ^2/NDF:38.1/35

All: 0.000+/-0.000 χ^2/NDF: 63.1/69



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

Left Out: 0.000+/-0.000 χ^2/NDF:1614683.4/17

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

Left In: 0.000+/-0.000 χ^2/NDF:2428334.7/17

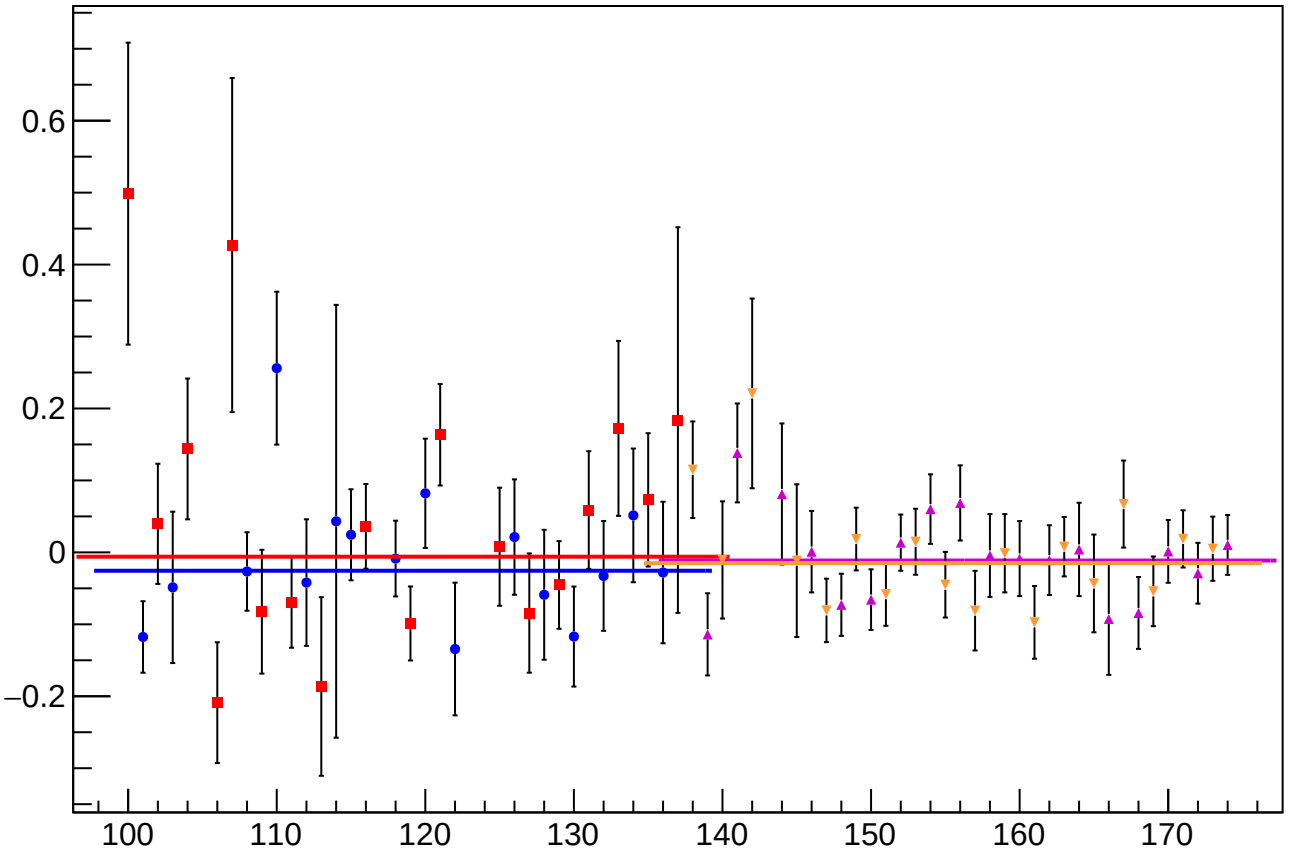
Left: 0.000+/-0.000 χ^2/NDF: 4043550.4/35

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

In: 0.000+/-0.000 χ^2/NDF:4297605.2/33

Out: 0.000+/-0.000 χ^2/NDF:3527868.5/35

All: 0.000+/-0.000 χ^2/NDF: 7834068.1/69



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

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

Left In: -0.011+/-0.012 χ^2/NDF:21.4/17

Left: -0.013+/-0.009 χ^2/NDF: 41.0/35

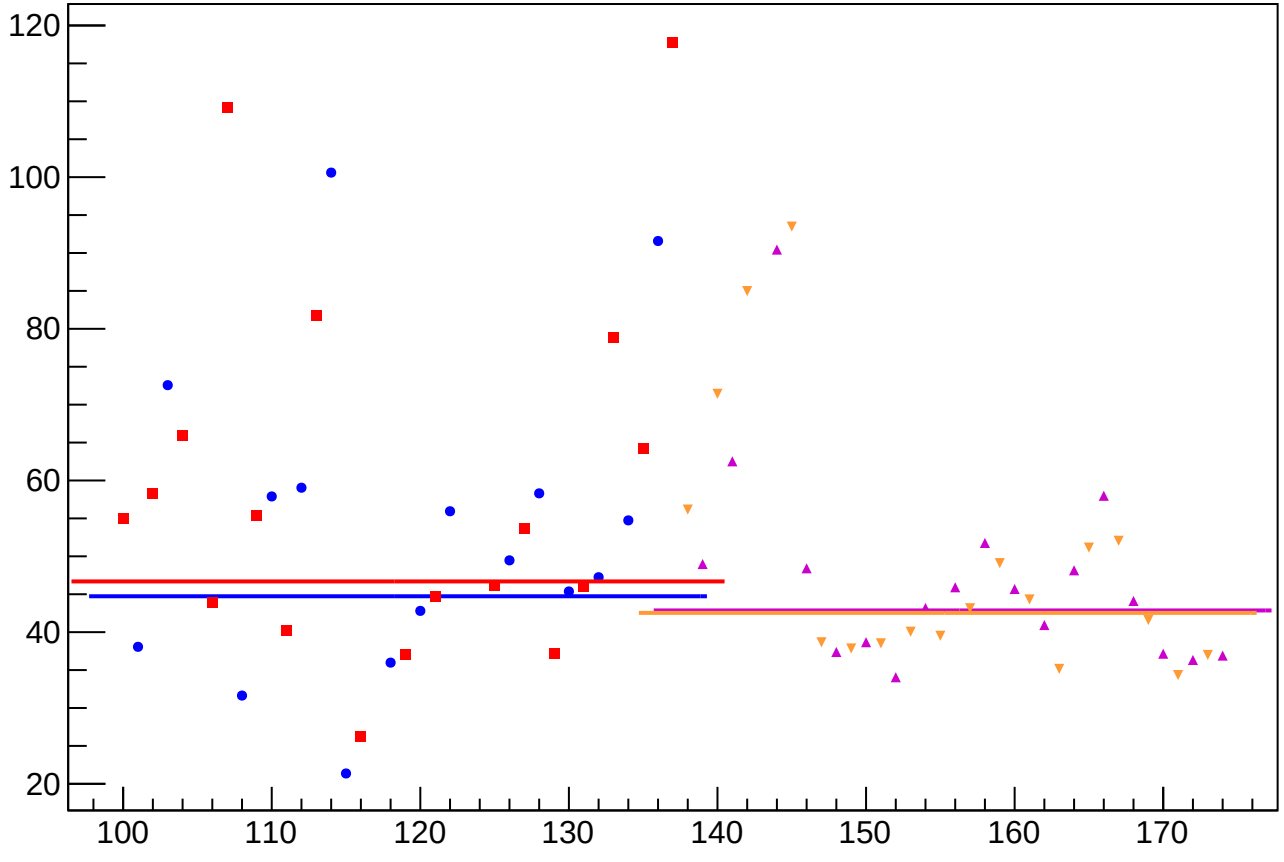
Right: -0.016+/-0.013 χ^2/NDF: 54.7/33

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.014+/-0.007 χ^2/NDF: 95.7/69

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



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

Left Out: 42.543+/-0.009 χ^2/NDF:1365530.2/17

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

Left In: 42.863+/-0.008 χ^2/NDF:1108062.3/17

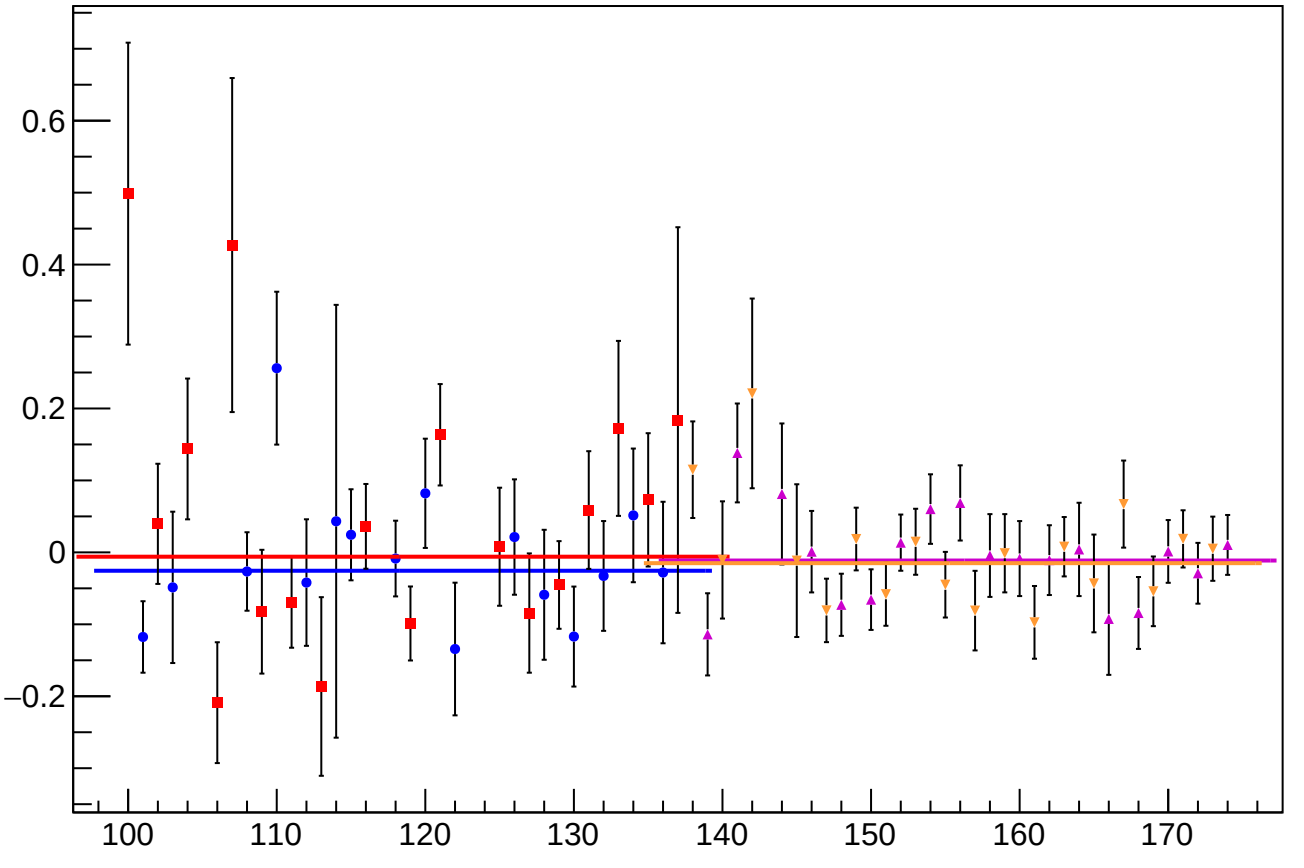
Left: 42.707+/-0.006 χ^2/NDF: 2474296.4/35

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

In: 43.400+/-0.007 χ^2/NDF:2456757.4/33

Out: 43.718+/-0.007 χ^2/NDF:2626560.3/35

All: 43.555+/-0.005 χ^2/NDF: 5084290.0/69



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

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

Left In: -0.011+/-0.012 χ^2/NDF:21.4/17

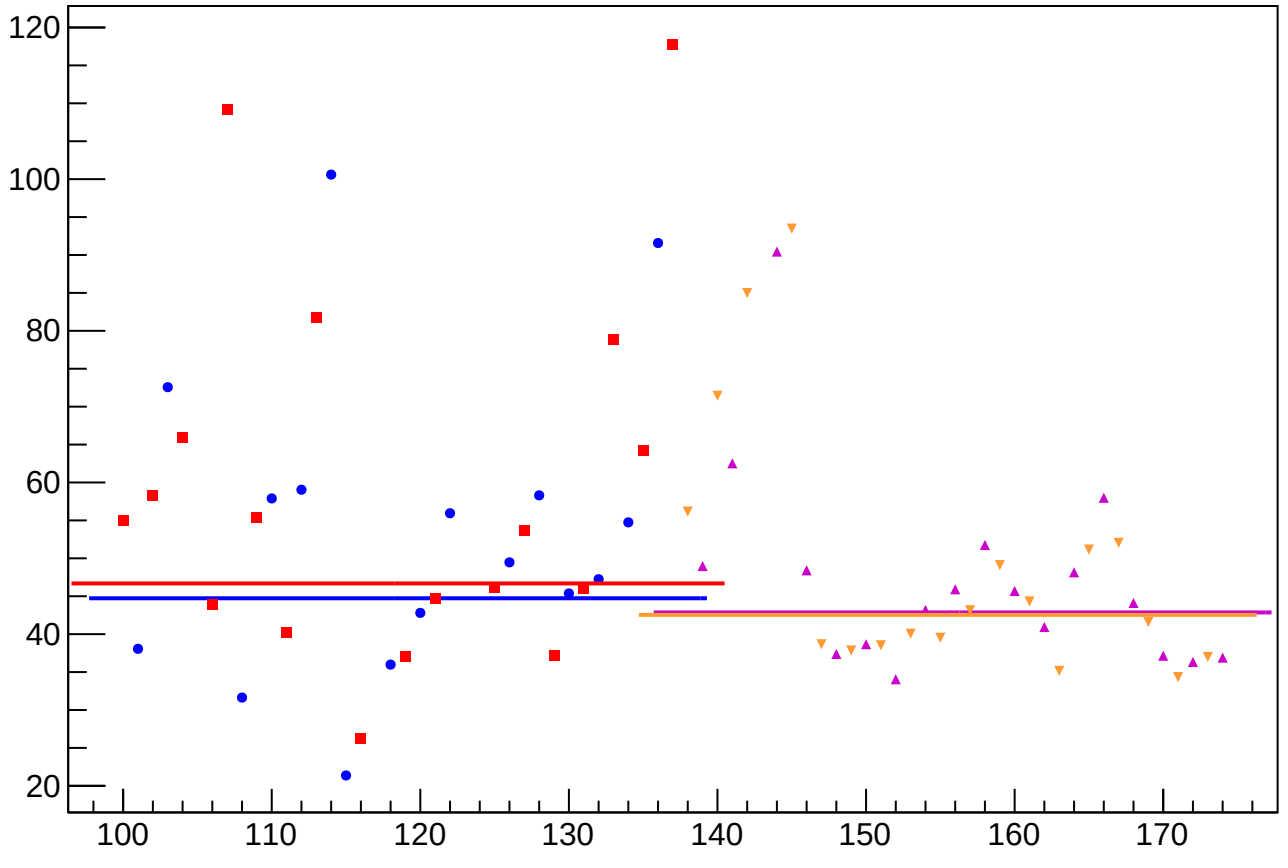
Left: -0.013+/-0.009 χ^2/NDF: 41.0/35

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

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.014+/-0.007 χ^2/NDF: 95.7/69



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

Left Out: 42.543+/-0.009 χ^2/NDF:1365530.2/17

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

Left In: 42.863+/-0.008 χ^2/NDF:1108062.3/17

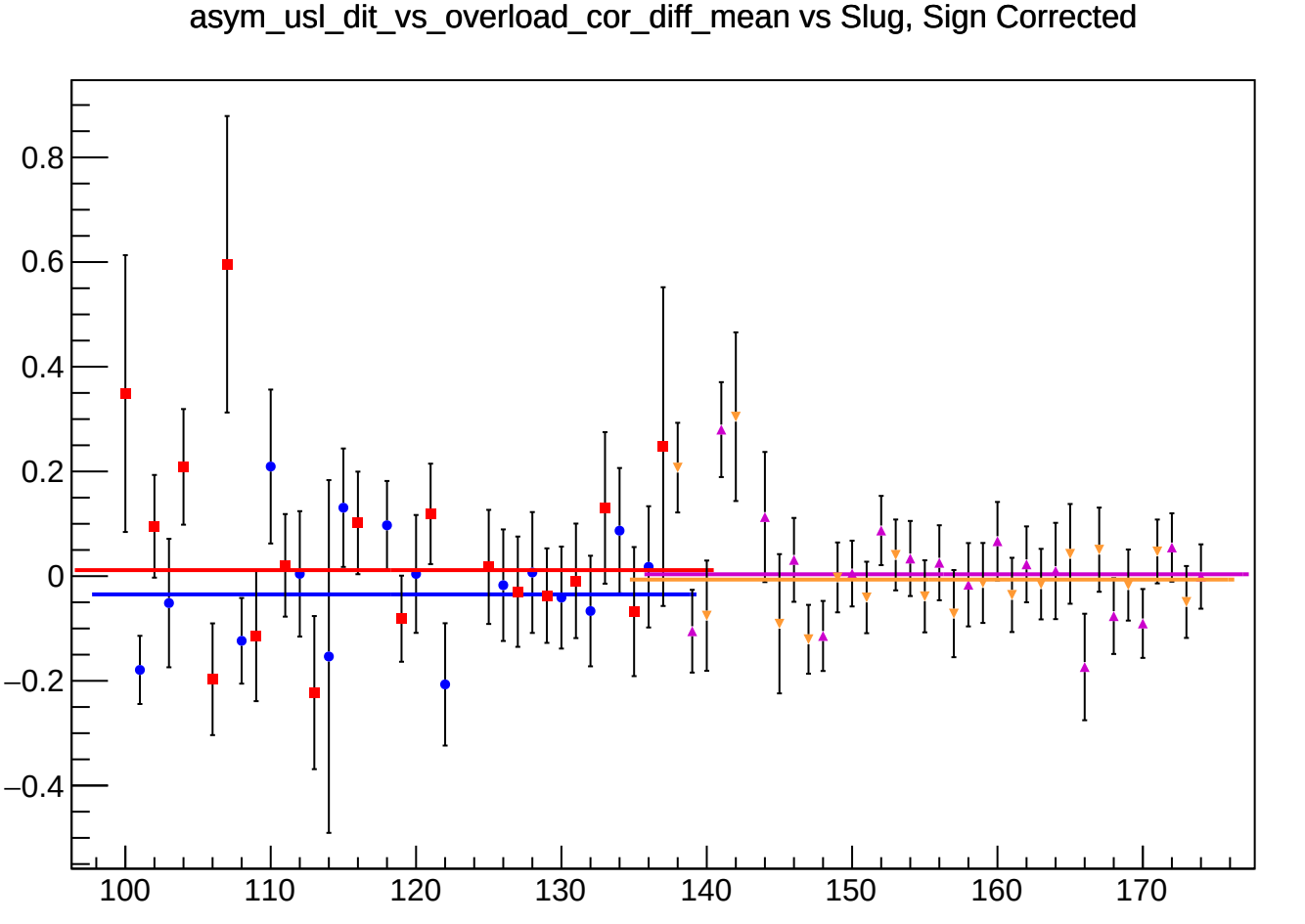
Left: 42.707+/-0.006 χ^2/NDF: 2474296.4/35

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

In: 43.400+/-0.007 χ^2/NDF:2456757.4/33

Out: 43.718+/-0.007 χ^2/NDF:2626560.3/35

All: 43.555+/-0.005 χ^2/NDF: 5084290.0/69



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

Left Out: -0.007+/-0.018 χ^2/NDF:17.5/17

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

Left In: 0.004+/-0.018 χ^2/NDF:24.8/17

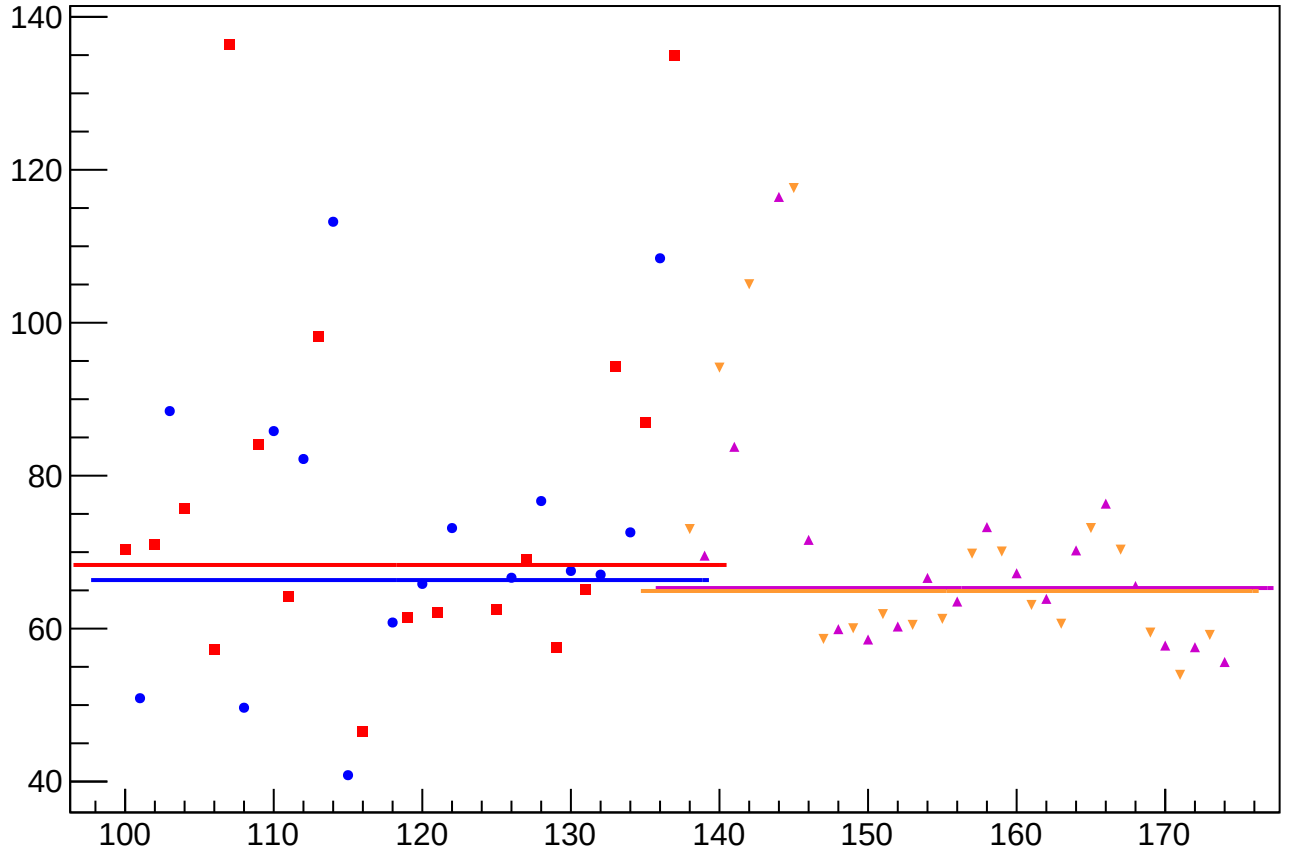
Left: -0.001+/-0.013 χ^2/NDF: 42.5/35

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

In: -0.008+/-0.015 χ^2/NDF:43.7/33

Out: -0.001+/-0.015 χ^2/NDF:40.6/35

All: -0.005+/-0.010 χ^2/NDF: 84.4/69



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

Left Out: 64.921+/-0.013 χ^2/NDF:797636.9/17

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

Left In: 65.305+/-0.012 χ^2/NDF:644327.4/17

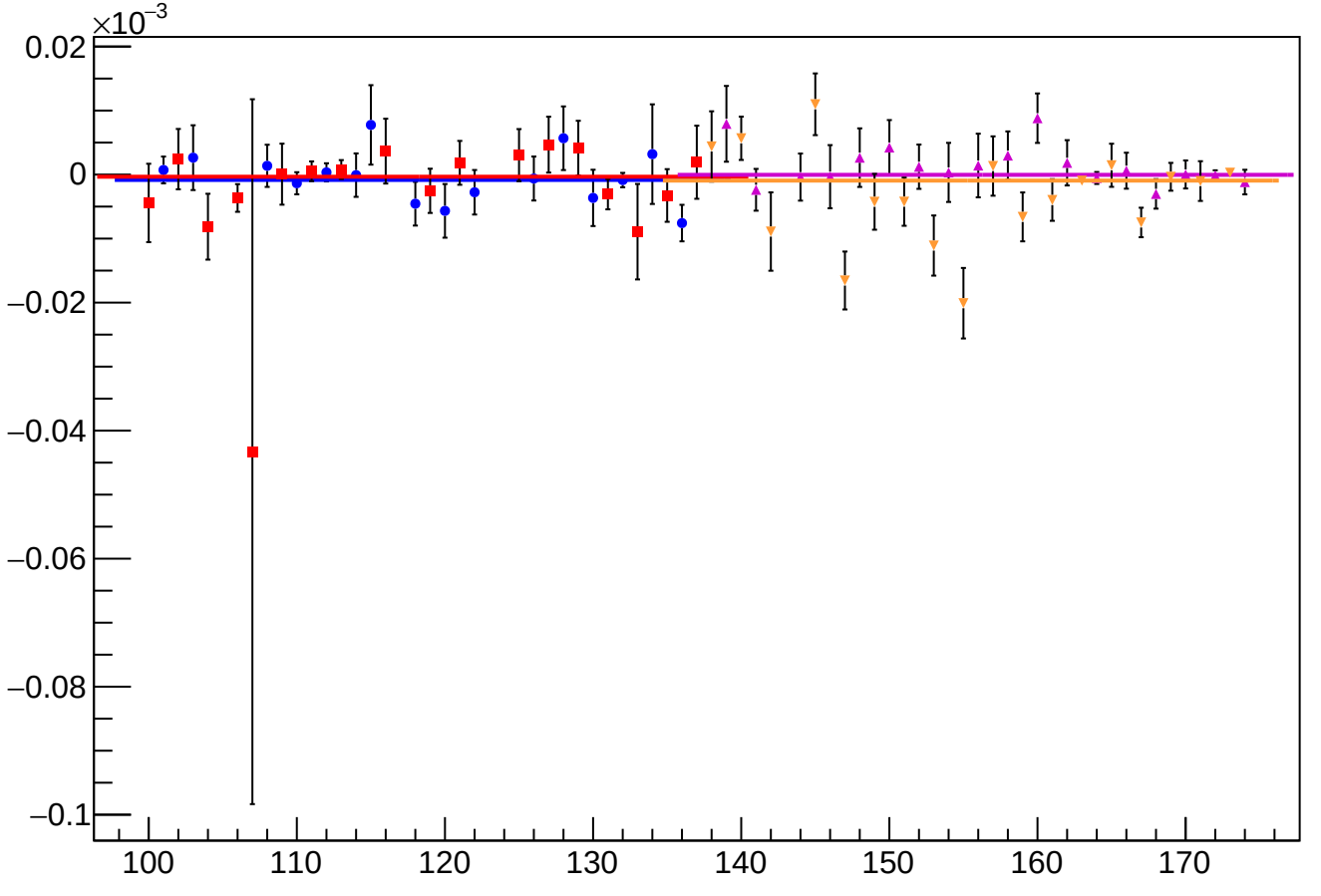
Left: 65.117+/-0.009 χ^2/NDF: 1442433.3/35

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

In: 65.626+/-0.010 χ^2/NDF:1419166.2/33

Out: 65.965+/-0.011 χ^2/NDF:1449459.6/35

All: 65.792+/-0.007 χ^2/NDF: 2869156.1/69



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

Left Out: -0.000+/-0.000 χ^2/NDF:57.8/17

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

Left In: -0.000+/-0.000 χ^2/NDF:12.4/17

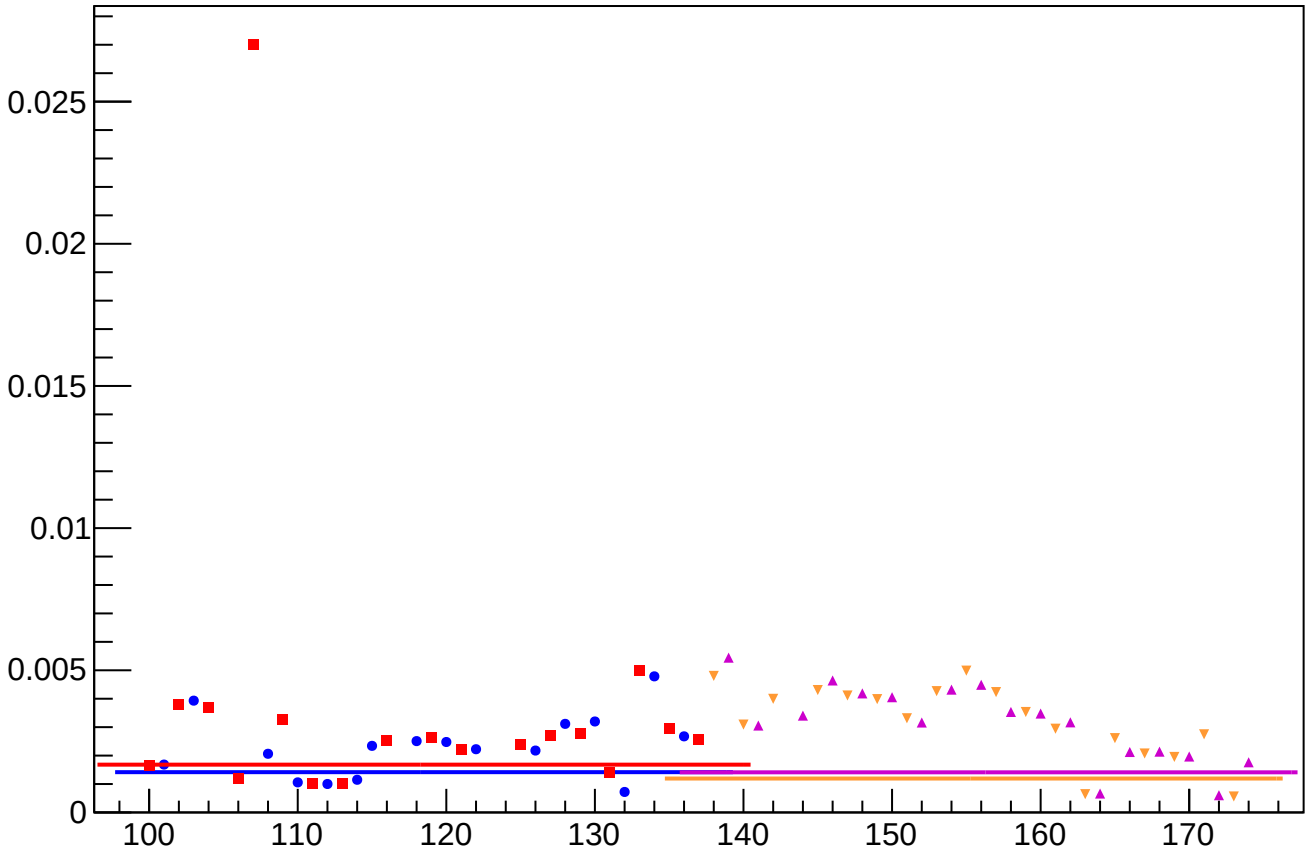
Left: -0.000+/-0.000 χ^2/NDF: 72.1/35

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

In: -0.000+/-0.000 χ^2/NDF:28.5/33

Out: -0.000+/-0.000 χ^2/NDF:73.1/35

All: -0.000+/-0.000 χ^2/NDF: 102.2/69



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

Left Out: 0.001+/-0.000 χ^2/NDF:13154064.8/17

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

Left In: 0.001+/-0.000 χ^2/NDF:11960126.1/17

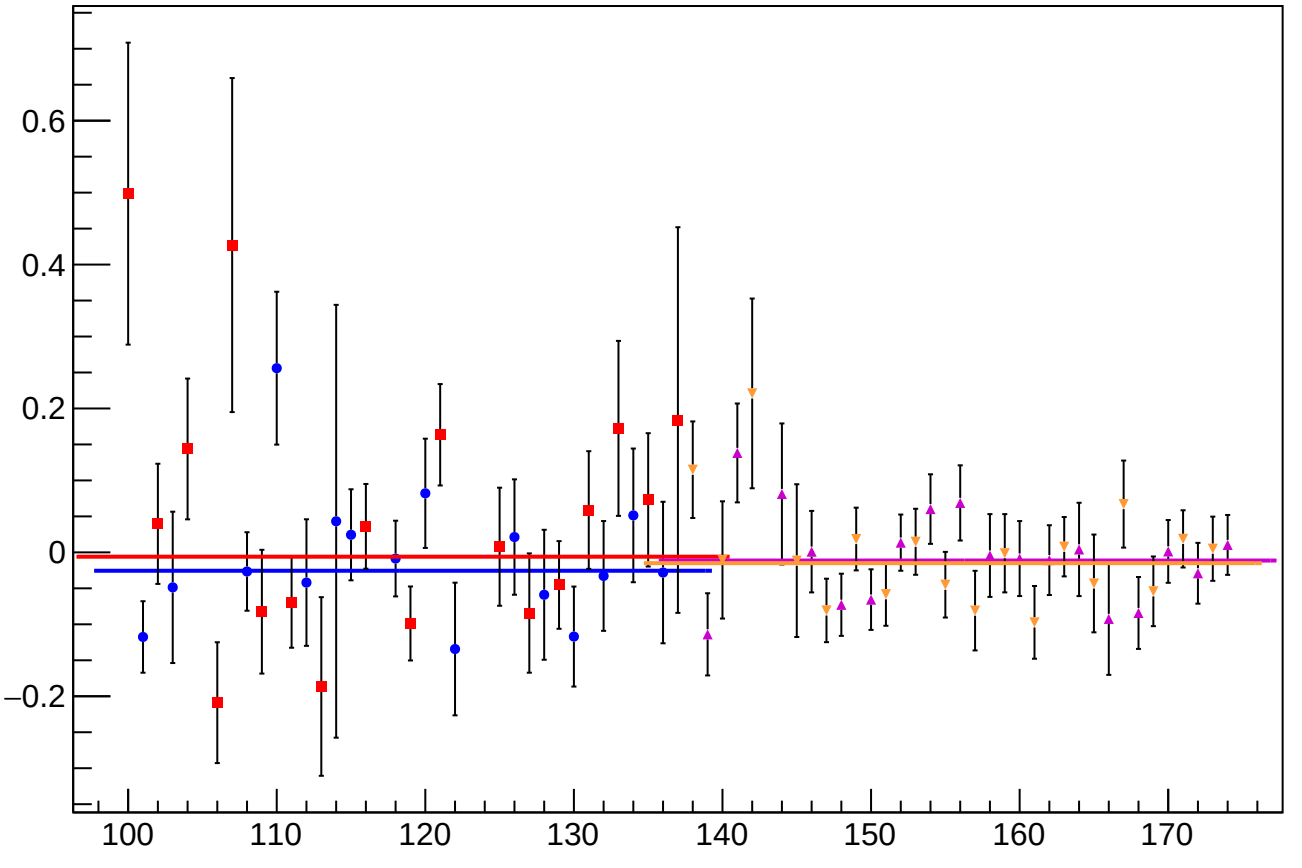
Left: 0.001+/-0.000 χ^2/NDF: 25333662.0/35

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

In: 0.001+/-0.000 χ^2/NDF:15507478.3/33

Out: 0.001+/-0.000 χ^2/NDF:17240623.7/35

All: 0.001+/-0.000 χ^2/NDF: 32800365.2/69



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

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

Left In: -0.011+/-0.012 χ^2/NDF:21.4/17

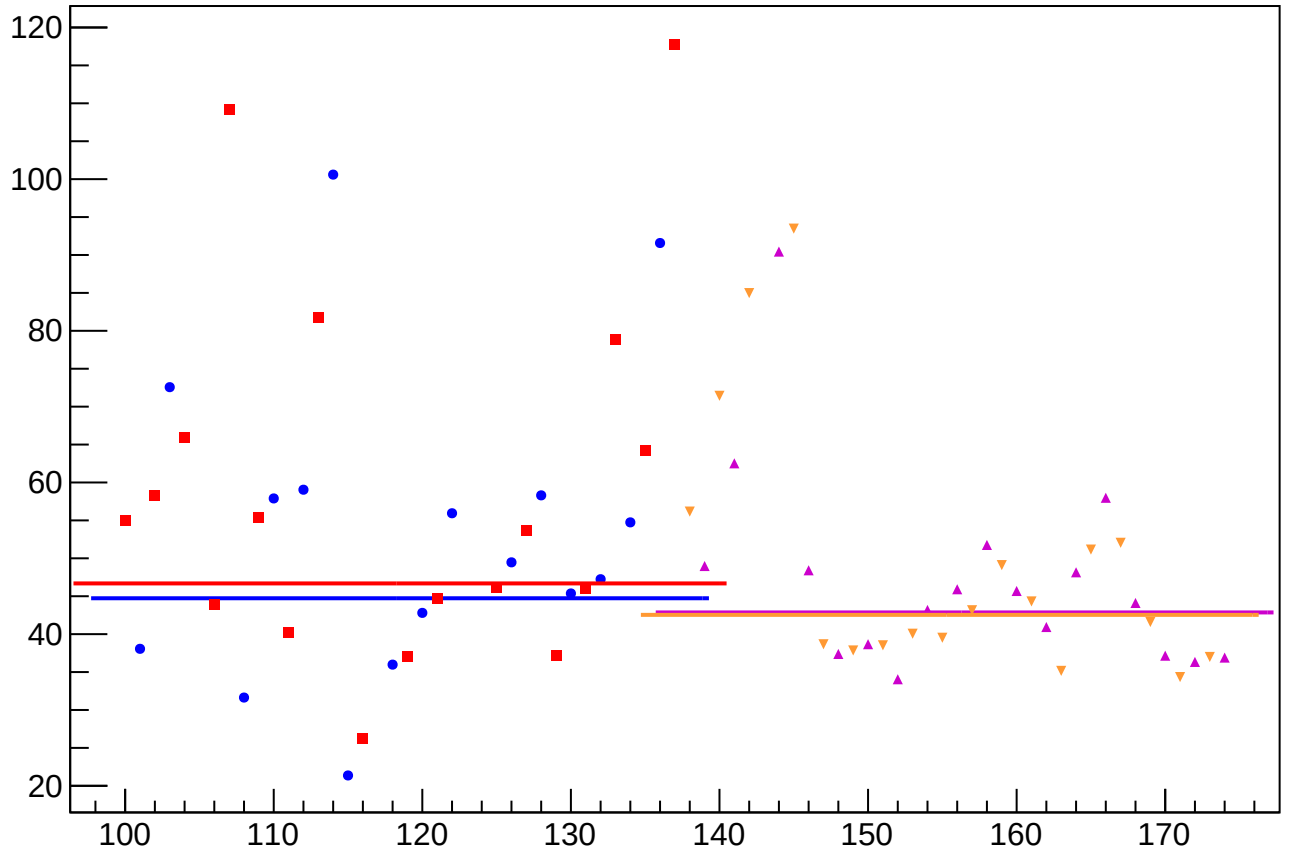
Left: -0.013+/-0.009 χ^2/NDF: 41.0/35

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

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.014+/-0.007 χ^2/NDF: 95.7/69



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

Left Out: 42.544+/-0.009 χ^2/NDF:1365501.1/17

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

Left In: 42.863+/-0.008 χ^2/NDF:1108037.7/17

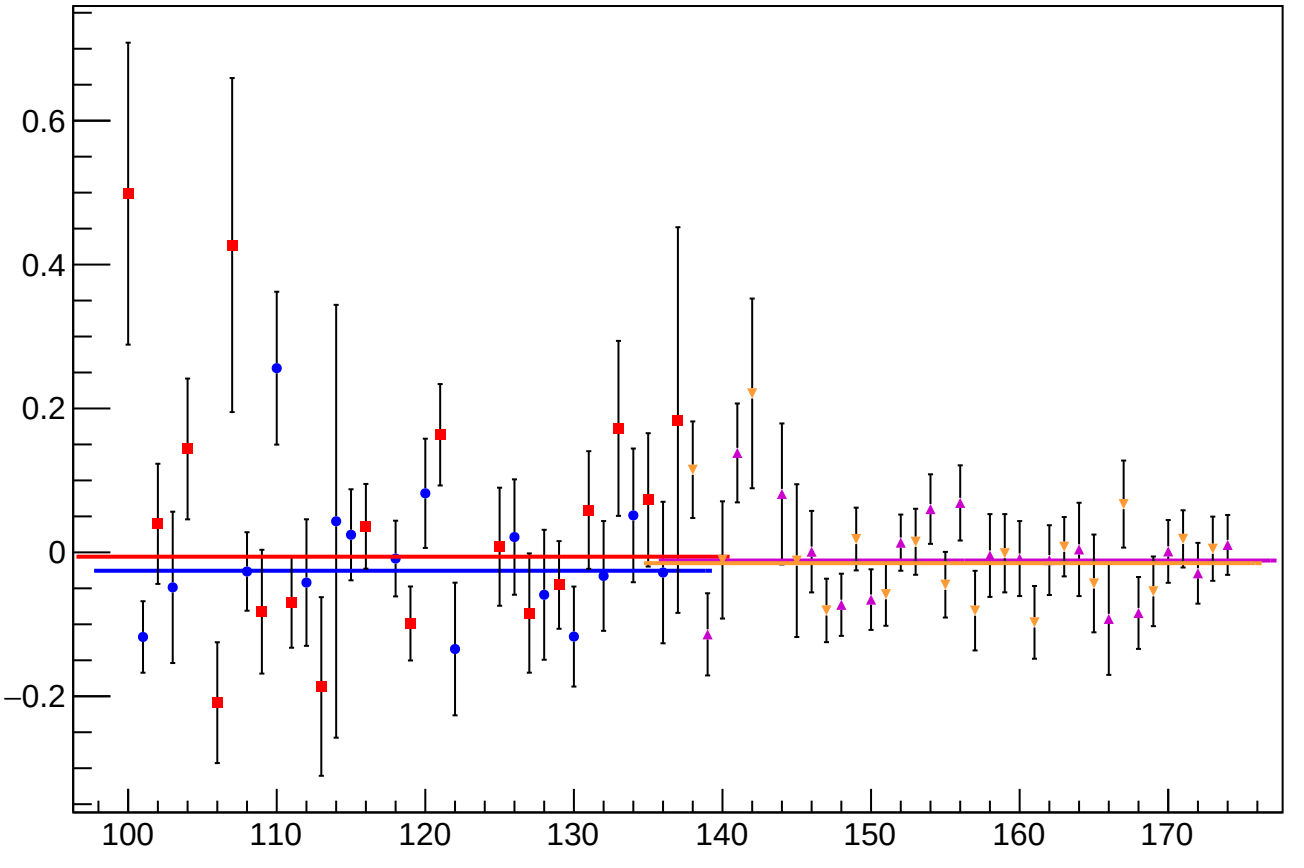
Left: 42.707+/-0.006 χ^2/NDF: 2474242.7/35

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

In: 43.400+/-0.007 χ^2/NDF:2456778.1/33

Out: 43.718+/-0.007 χ^2/NDF:2626536.9/35

All: 43.555+/-0.005 χ^2/NDF: 5084287.3/69



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

Left Out: -0.015+/-0.012 χ^2/NDF:19.6/17

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

Left In: -0.011+/-0.012 χ^2/NDF:21.4/17

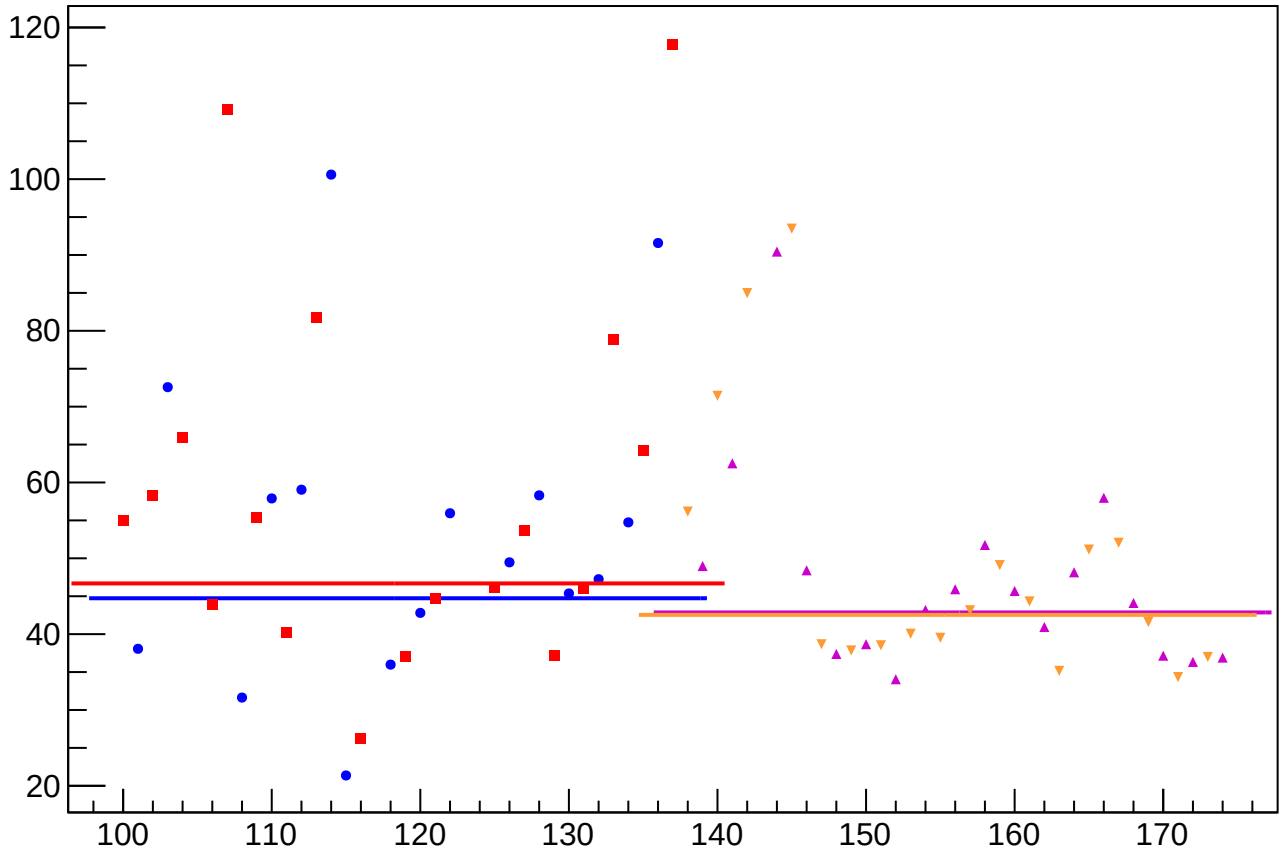
Left: -0.013+/-0.009 χ^2/NDF: 41.0/35

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

In: -0.015+/-0.010 χ^2/NDF:39.4/33

Out: -0.012+/-0.010 χ^2/NDF:56.3/35

All: -0.014+/-0.007 χ^2/NDF: 95.7/69



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

Left Out: 42.544+/-0.009 χ^2/NDF:1365501.1/17

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

Left In: 42.863+/-0.008 χ^2/NDF:1108037.7/17

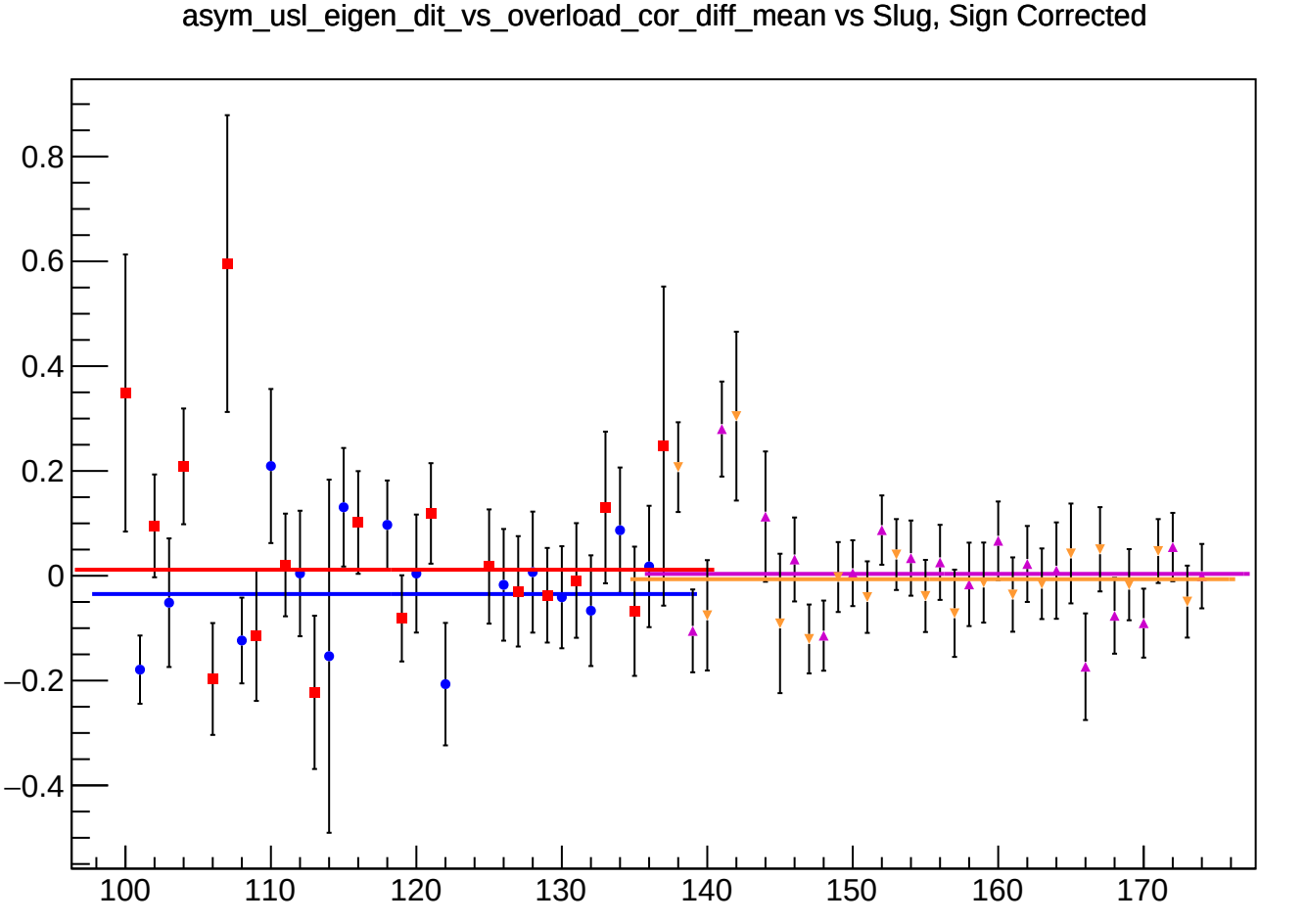
Left: 42.707+/-0.006 χ^2/NDF: 2474242.7/35

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

In: 43.400+/-0.007 χ^2/NDF:2456778.1/33

Out: 43.718+/-0.007 χ^2/NDF:2626536.9/35

All: 43.555+/-0.005 χ^2/NDF: 5084287.3/69



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

Left Out: -0.007+/-0.018 χ^2/NDF:17.5/17

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

Left In: 0.004+/-0.018 χ^2/NDF:24.8/17

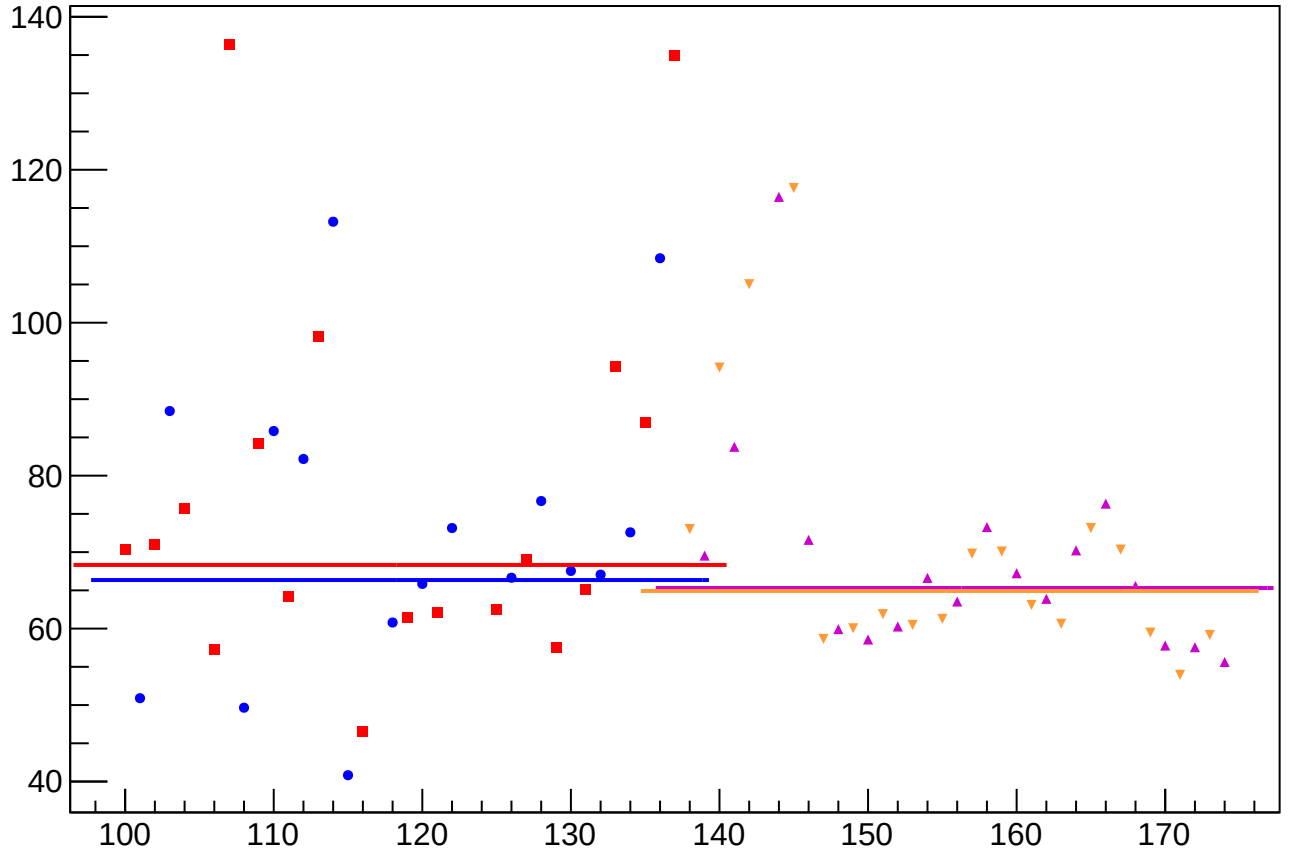
Left: -0.001+/-0.013 χ^2/NDF: 42.5/35

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

In: -0.008+/-0.015 χ^2/NDF:43.7/33

Out: -0.001+/-0.015 χ^2/NDF:40.6/35

All: -0.005+/-0.010 χ^2/NDF: 84.4/69



Right In: 66.348+/-0.019 χ^2/NDF: 772660.4/15

Left Out: 64.921+/-0.013 χ^2/NDF:797624.8/17

Right Out: 68.321+/-0.019 χ^2/NDF: 629665.7/17

Left In: 65.305+/-0.012 χ^2/NDF:644316.8/17

Left: 65.117+/-0.009 χ^2/NDF: 1442410.6/35

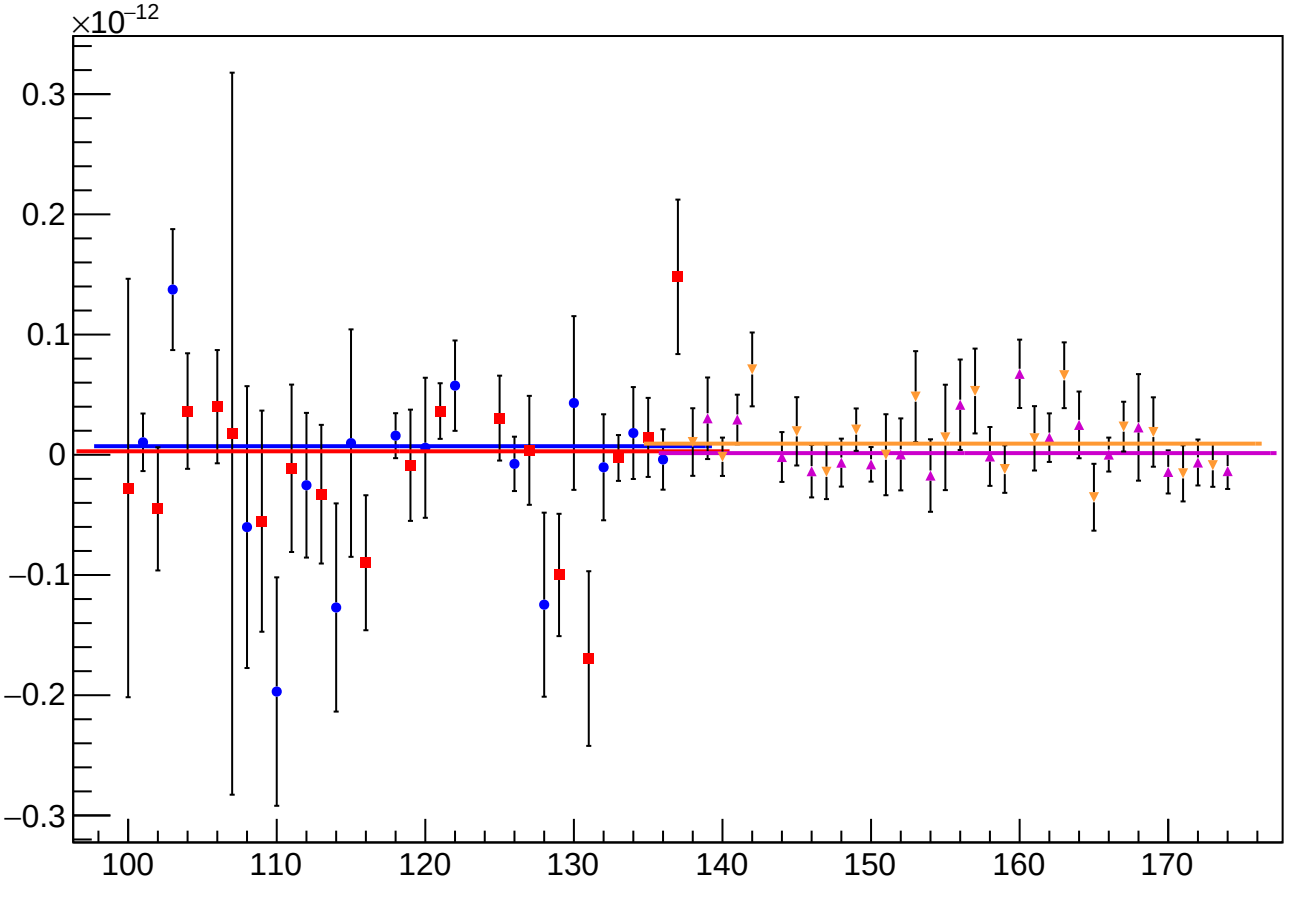
Right: 67.311+/-0.013 χ^2/NDF: 1407834.9/33

In: 65.626+/-0.010 χ^2/NDF:1419160.2/33

Out: 65.965+/-0.011 χ^2/NDF:1449433.0/35

All: 65.792+/-0.007 χ^2/NDF: 2869123.1/69

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/17

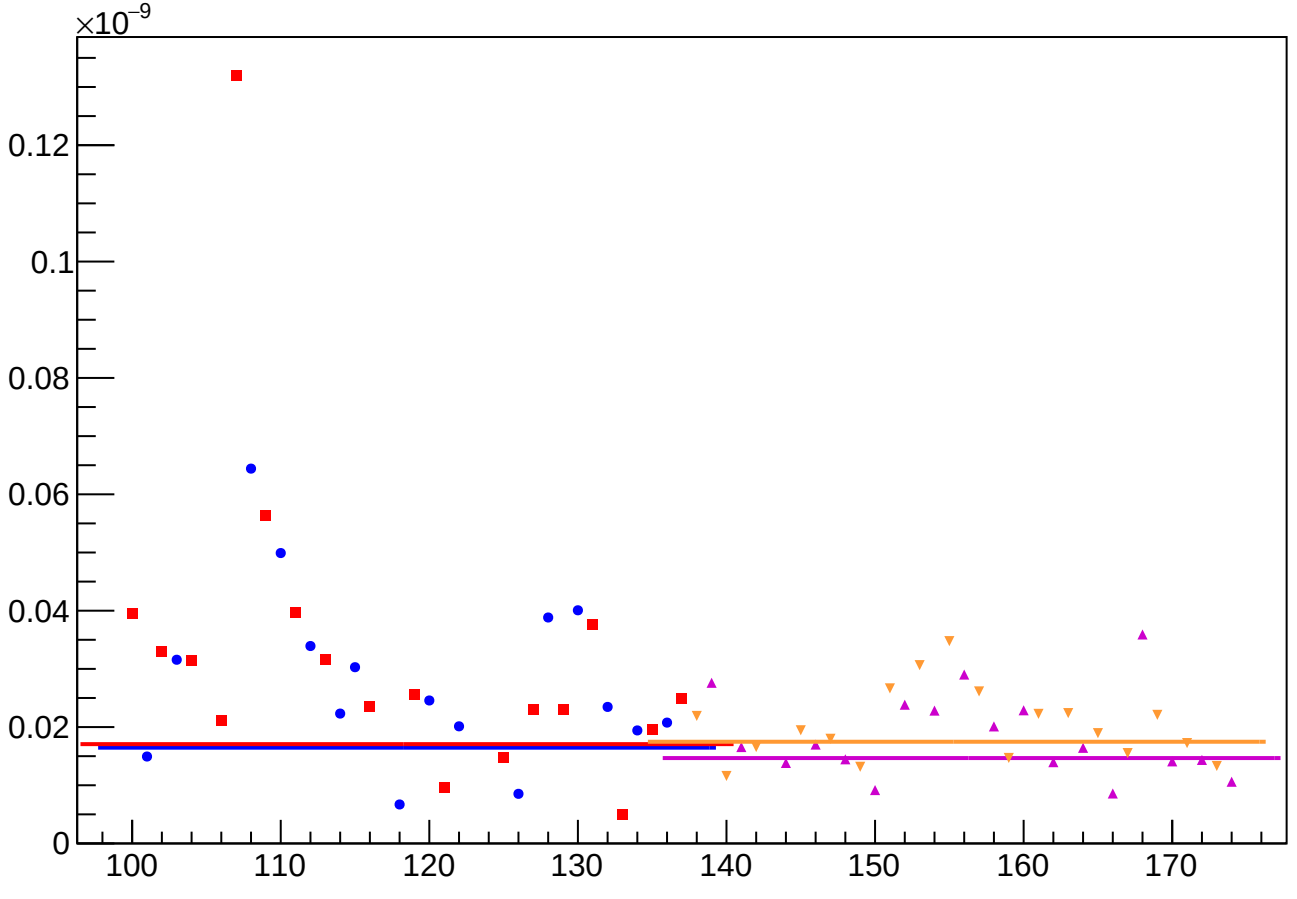
Left: 0.000+/-0.000 χ^2/NDF: 34.6/35

Right: 0.000+/-0.000 χ^2/NDF: 43.9/33

In: 0.000+/-0.000 χ^2/NDF:34.6/33

Out: 0.000+/-0.000 χ^2/NDF:43.3/35

All: 0.000+/-0.000 χ^2/NDF: 78.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 2345888.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1625508.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2791354.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2510244.6/17

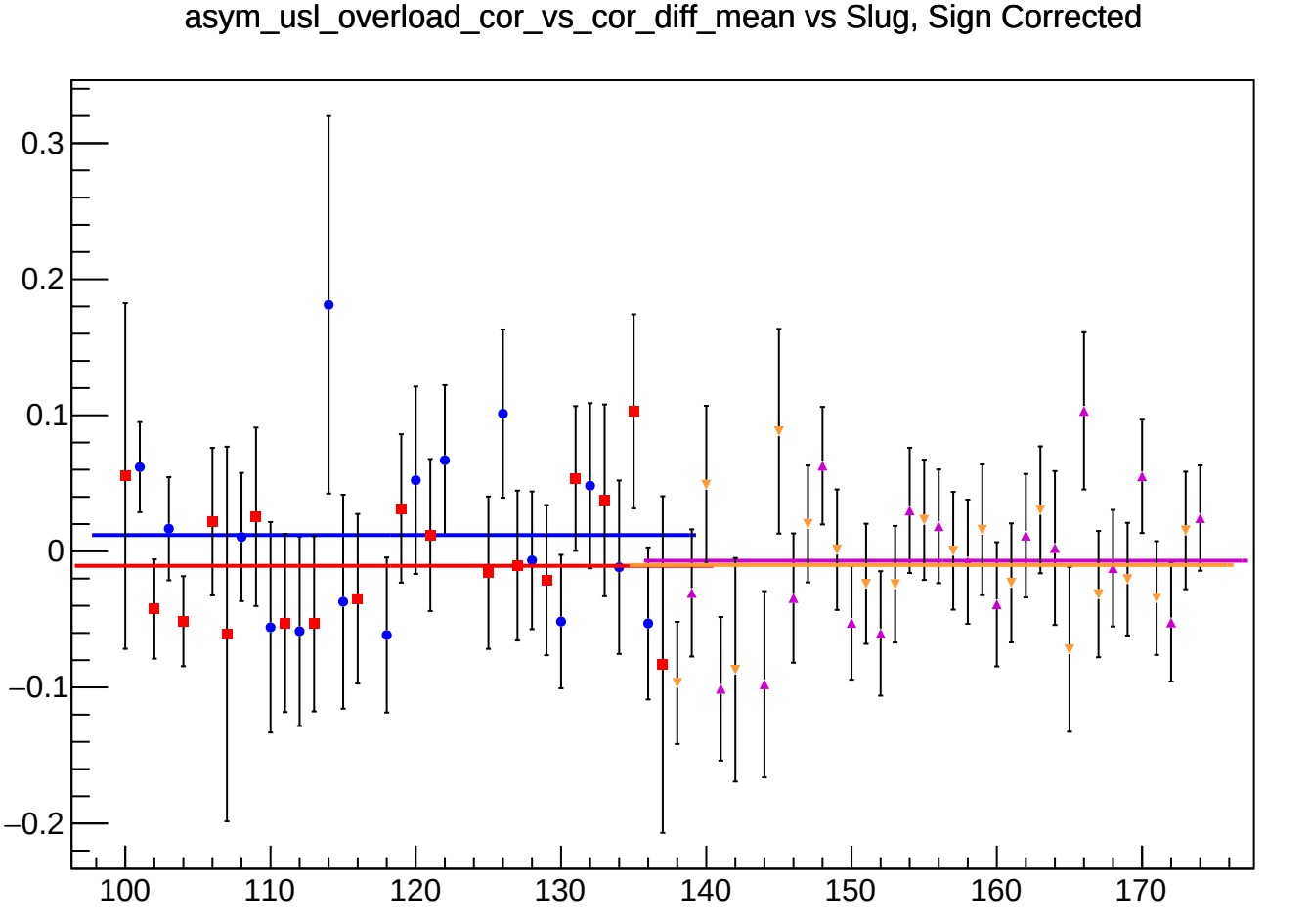
Left: 0.000+/-0.000 χ^2/NDF: 4410067.8/35

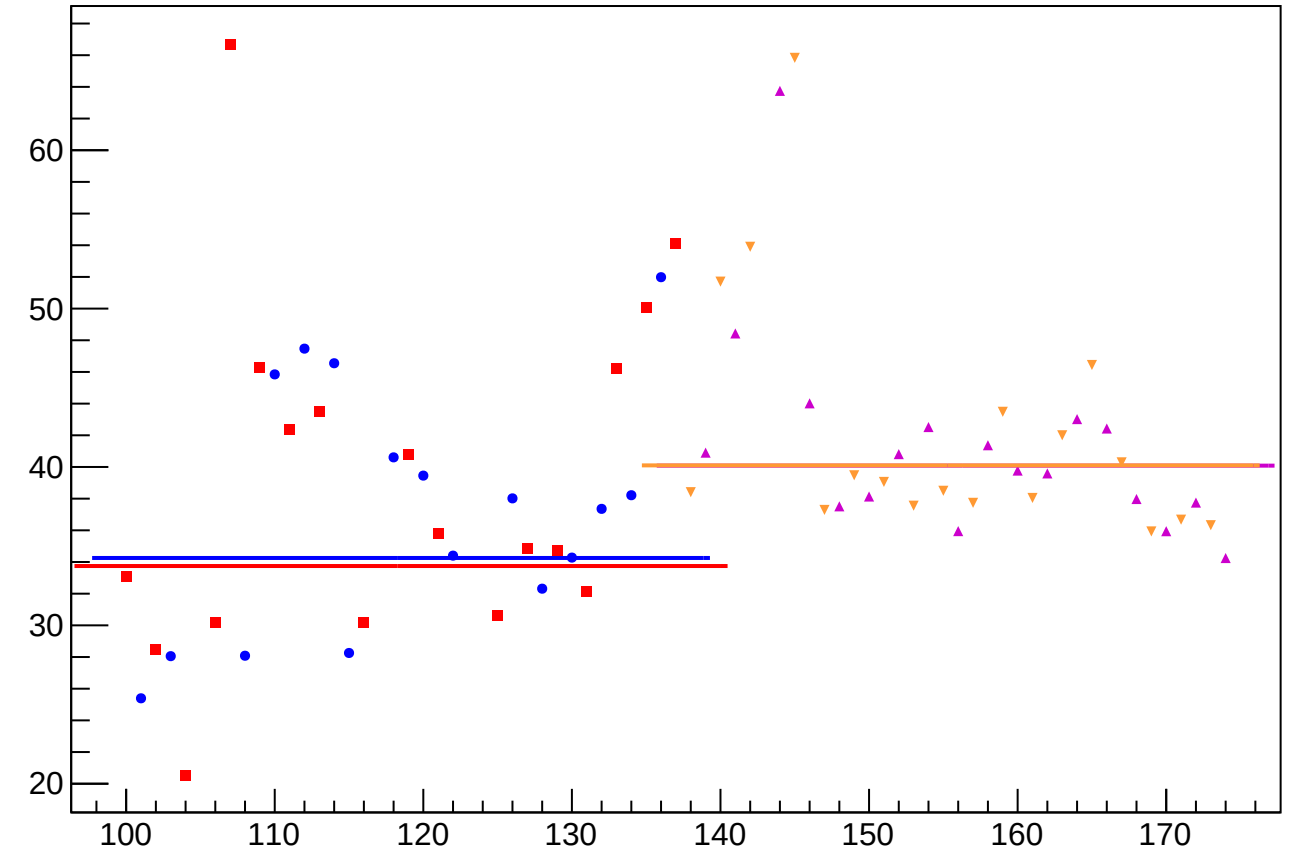
Right: 0.000+/-0.000 χ^2/NDF: 5141308.5/33

In: 0.000+/-0.000 χ^2/NDF:4914587.3/33

Out: 0.000+/-0.000 χ^2/NDF:4419477.7/35

All: 0.000+/-0.000 χ^2/NDF: 9576571.8/69


asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
100
110
120
130
140
150
160
170
Right In: 0.012+/-0.014 χ²/NDF: 14.7/15
Left Out: -0.010+/-0.011 χ²/NDF:11.9/17
Right Out: -0.011+/-0.013 χ²/NDF: 9.9/17
Left In: -0.007+/-0.011 χ²/NDF:20.0/17
Left: -0.008+/-0.008 χ²/NDF: 31.9/35
Right: 0.000+/-0.010 χ²/NDF: 26.0/33
In: 0.000+/-0.008 χ²/NDF:35.9/33
Out: -0.010+/-0.009 χ²/NDF:21.8/35
All: -0.005+/-0.006 χ²/NDF: 58.5/69



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.101+/-0.008 χ^2/NDF:487526.6/17

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.084+/-0.008 χ^2/NDF:426787.3/17

Left: 40.092+/-0.005 χ^2/NDF: 914316.2/35

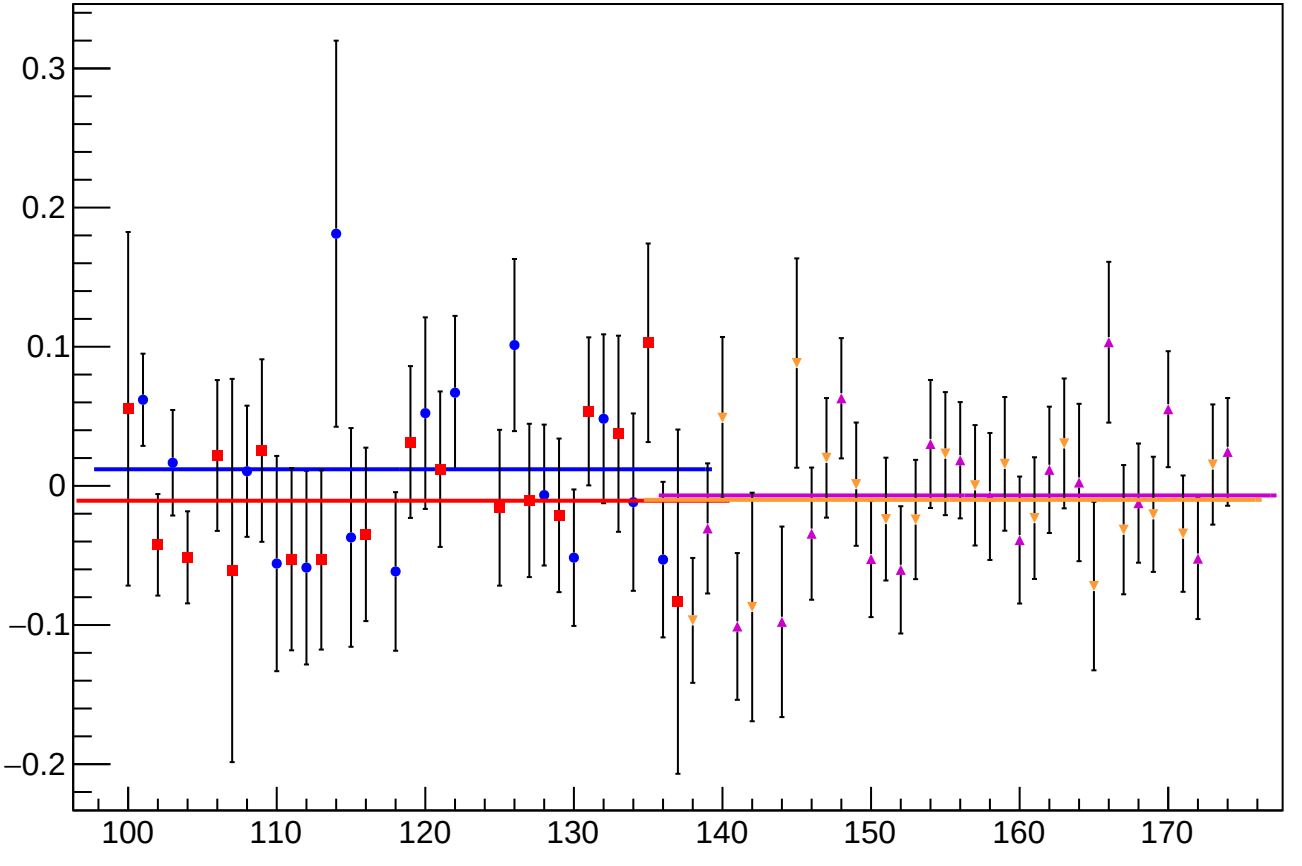
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.817+/-0.006 χ^2/NDF:1286962.7/33

Out: 37.524+/-0.006 χ^2/NDF:1665225.2/35

All: 37.672+/-0.004 χ^2/NDF: 2953366.9/69

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.010+/-0.011 χ^2/NDF:11.9/17

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

Left In: -0.007+/-0.011 χ^2/NDF:20.0/17

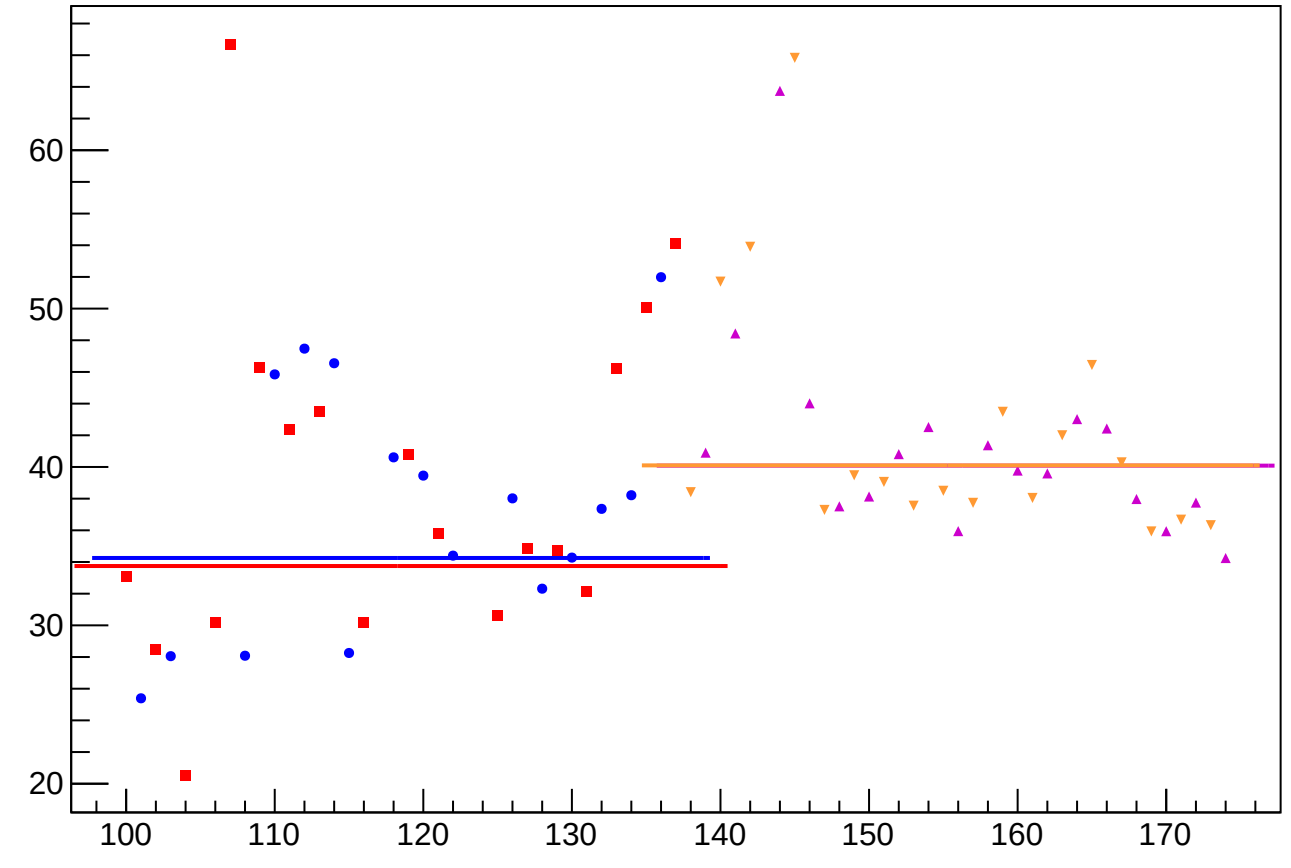
Left: -0.008+/-0.008 χ^2/NDF: 31.9/35

Right: 0.000+/-0.010 χ^2/NDF: 26.0/33

In: 0.000+/-0.008 χ^2/NDF:35.9/33

Out: -0.010+/-0.009 χ^2/NDF:21.8/35

All: -0.005+/-0.006 χ^2/NDF: 58.5/69



Right In: 34.254+/-0.010 χ^2/NDF: 636017.1/15

Left Out: 40.101+/-0.008 χ^2/NDF:487526.6/17

Right Out: 33.746+/-0.010 χ^2/NDF: 911938.6/17

Left In: 40.084+/-0.008 χ^2/NDF:426787.3/17

Left: 40.092+/-0.005 χ^2/NDF: 914316.2/35

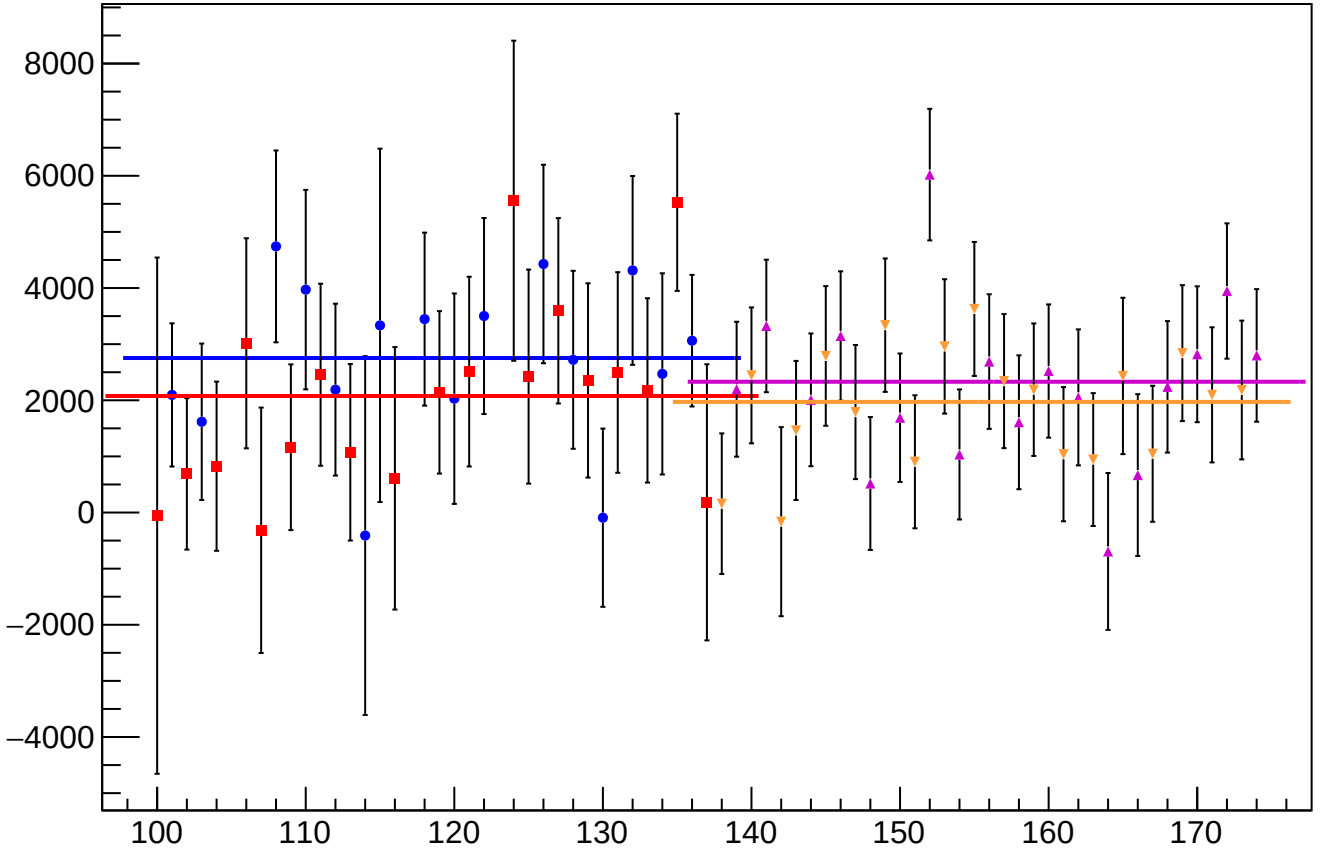
Right: 33.997+/-0.007 χ^2/NDF: 1549368.8/33

In: 37.817+/-0.006 χ^2/NDF:1286962.7/33

Out: 37.524+/-0.006 χ^2/NDF:1665225.2/35

All: 37.672+/-0.004 χ^2/NDF: 2953366.9/69

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1971.484+/-282.365 χ^2/NDF:12.0/18

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2330.298+/-283.703 χ^2/NDF:23.8/17

Left: 2150.043+/-200.134 χ^2/NDF: 36.5/36

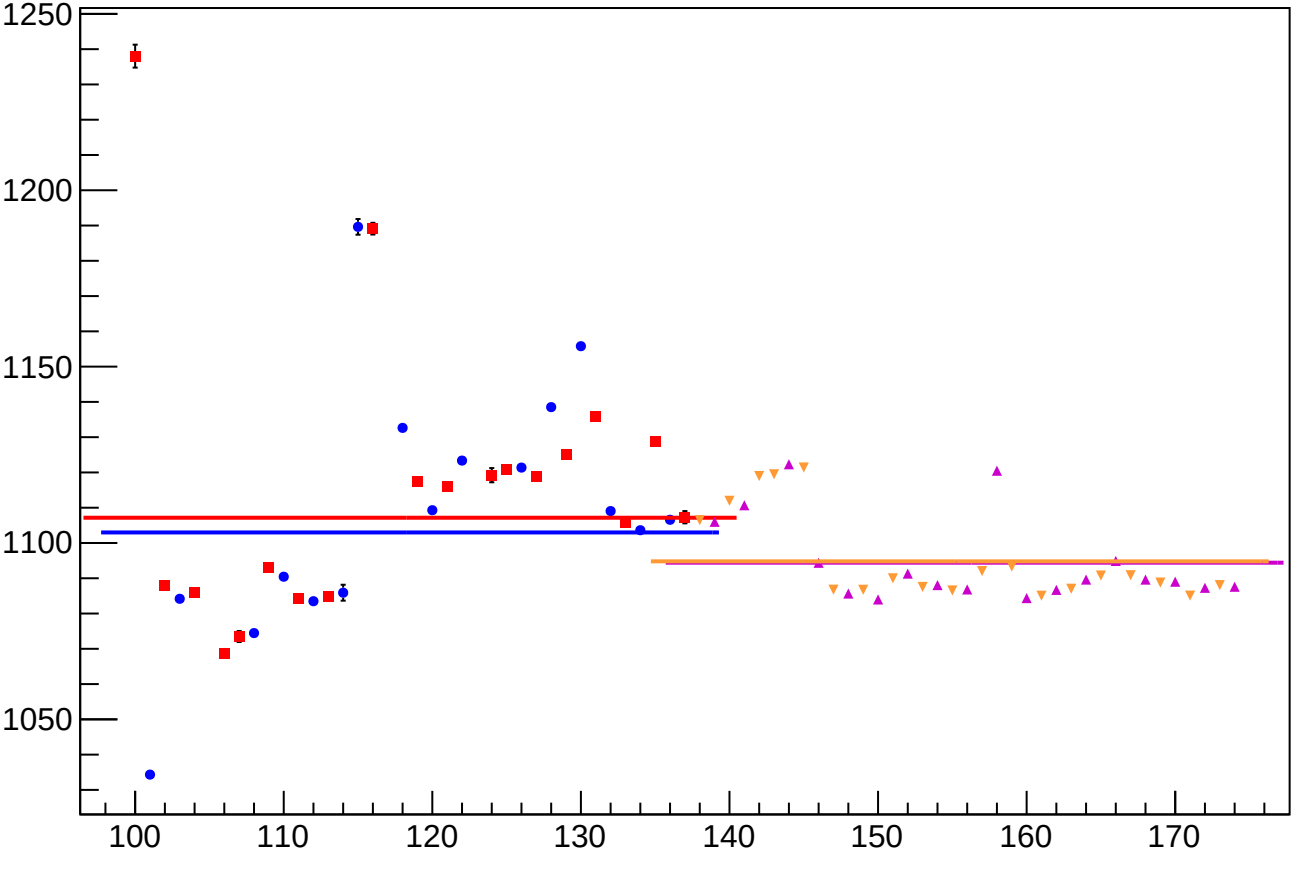
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2467.273+/-233.267 χ^2/NDF:34.0/33

Out: 2005.962+/-231.401 χ^2/NDF:24.5/37

All: 2234.766+/-164.281 χ^2/NDF: 60.5/71

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.796+/-0.200 χ^2/NDF:3590.4/18

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

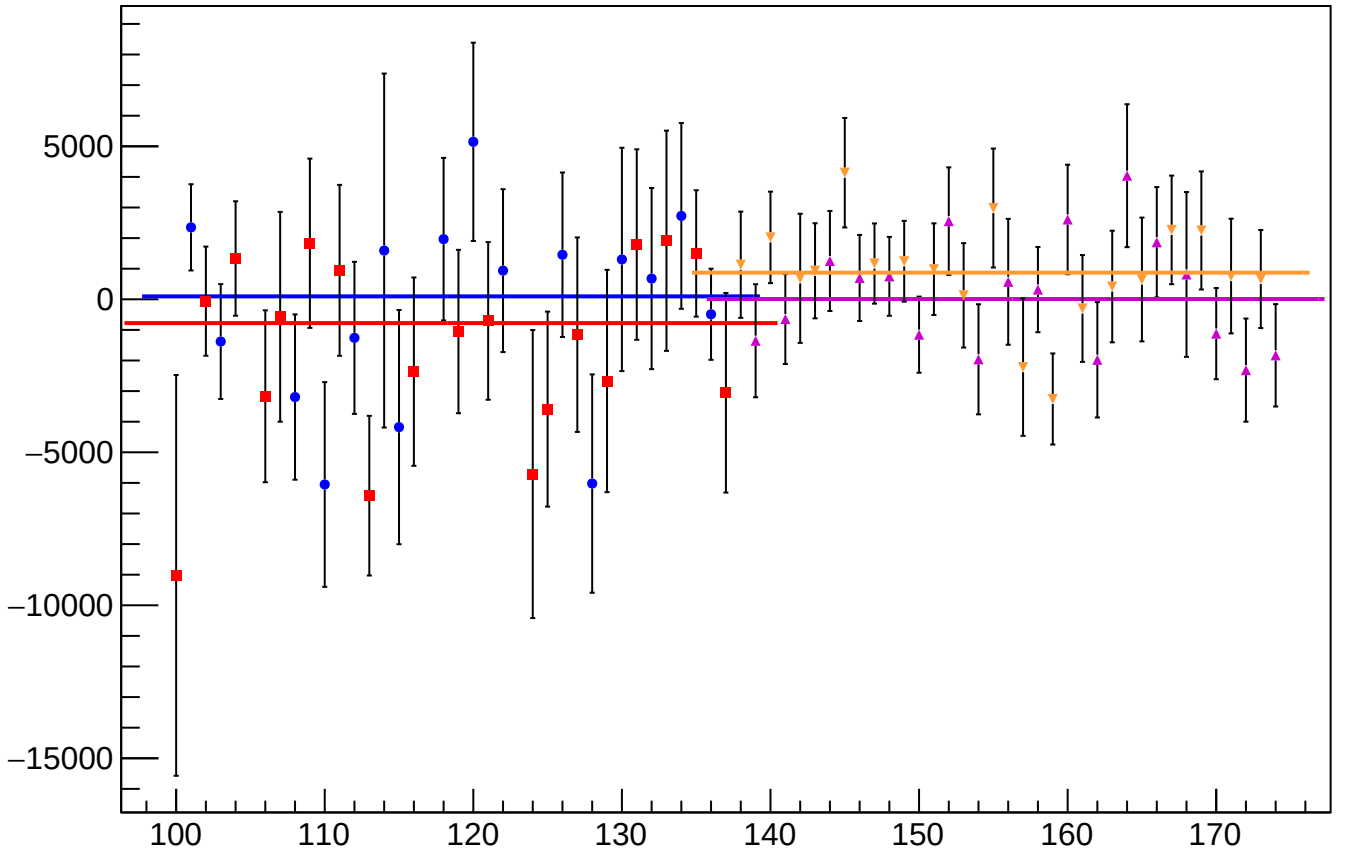
Left: 1094.605+/-0.142 χ^2/NDF: 7113.9/36

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

In: 1097.190+/-0.165 χ^2/NDF:17337.5/33

Out: 1098.856+/-0.164 χ^2/NDF:13533.0/37

All: 1098.030+/-0.116 χ^2/NDF: 30921.9/71



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 870.861+/-385.655 χ^2/NDF:16.7/18

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 9.378+/-387.742 χ^2/NDF:17.2/17

Left: 442.444+/-273.434 χ^2/NDF: 36.4/36

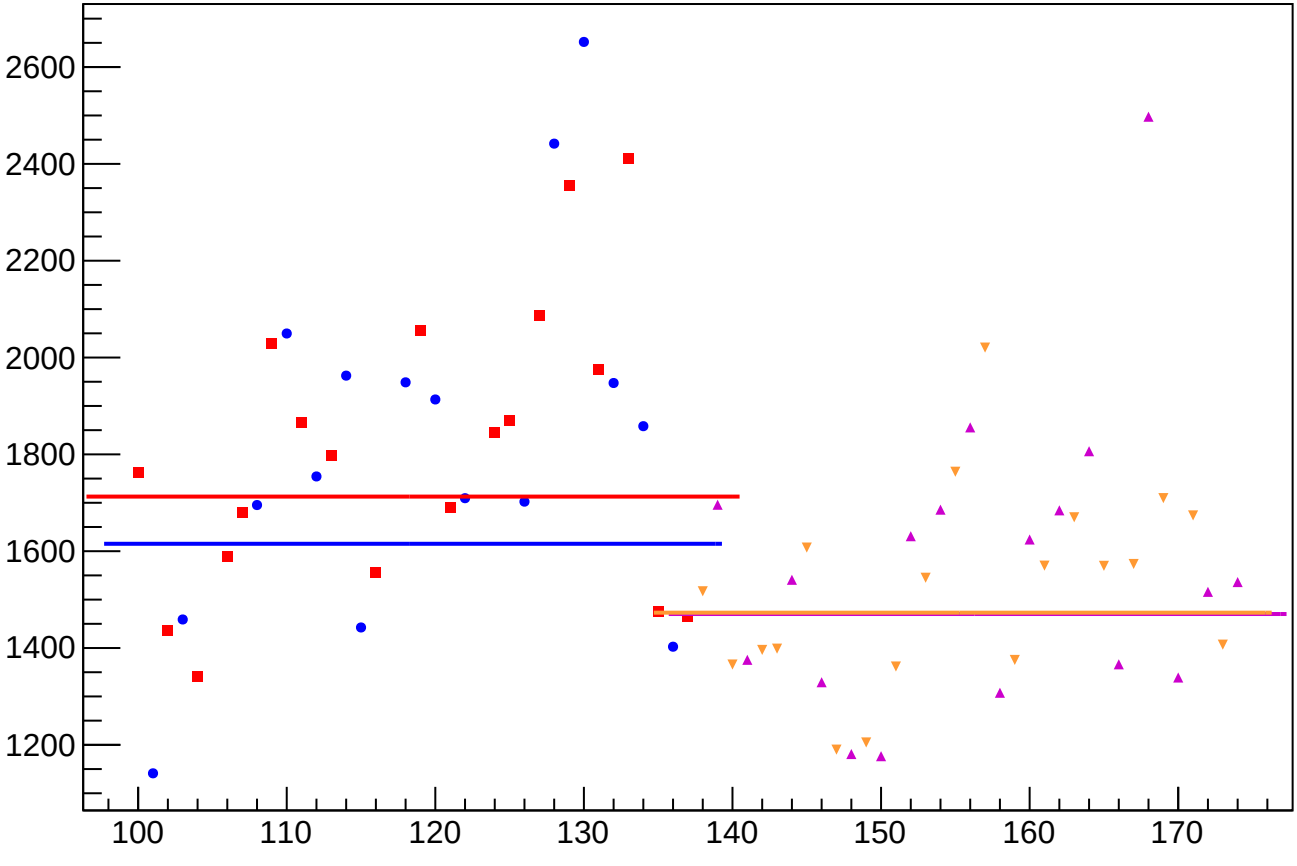
Right: -327.398+/-443.581 χ^2/NDF: 33.0/34

In: 33.827+/-328.462 χ^2/NDF:34.2/33

Out: 428.833+/-329.899 χ^2/NDF:36.7/37

All: 230.467+/-232.764 χ^2/NDF: 71.6/71

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

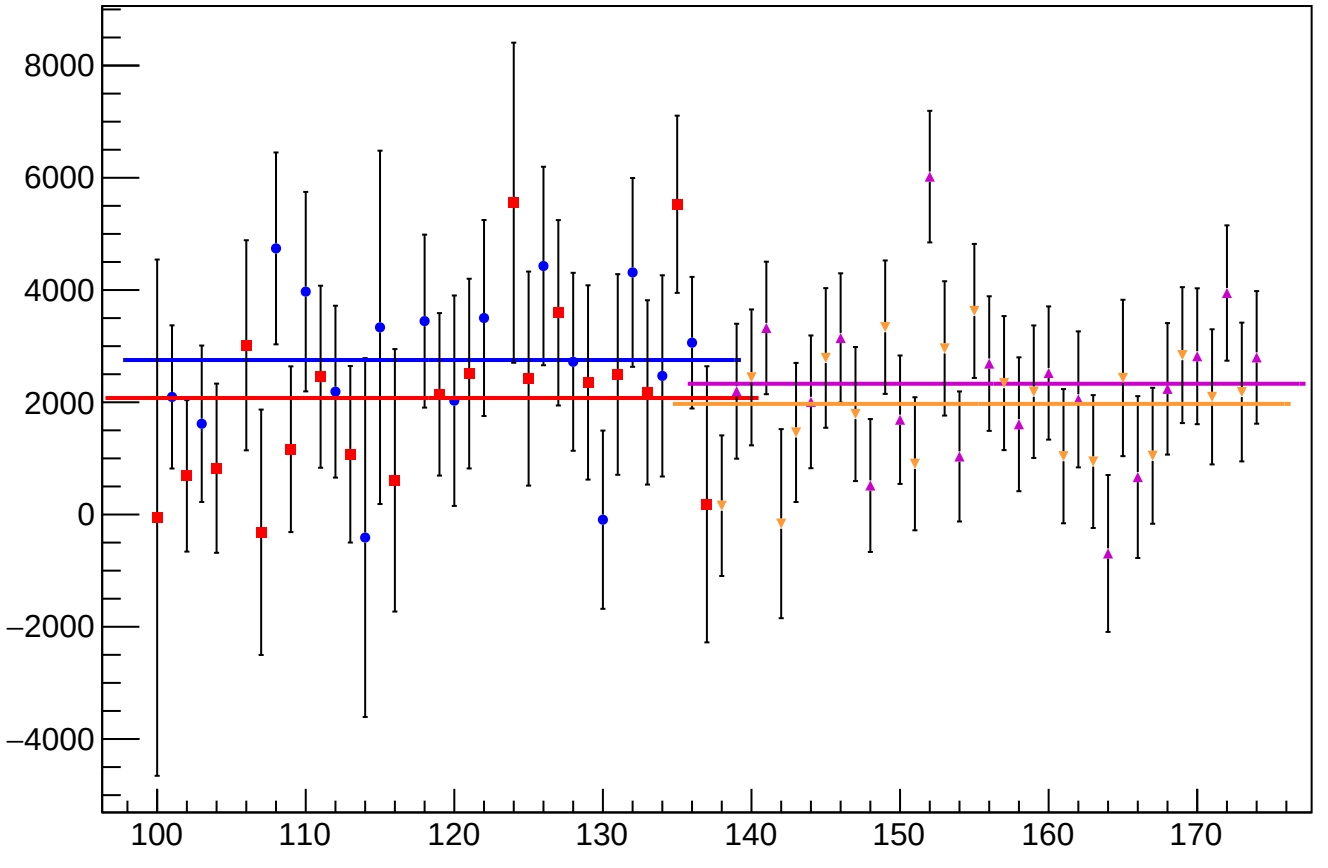
Left: 1471.653+/-0.193 χ^2/NDF: 1306576.8/36

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

In: 1511.216+/-0.232 χ^2/NDF:1589550.6/33

Out: 1537.355+/-0.233 χ^2/NDF:1125074.7/37

All: 1524.228+/-0.165 χ^2/NDF: 2720930.8/71



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1971.484+/-282.365 χ^2/NDF:12.0/18

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2330.298+/-283.703 χ^2/NDF:23.8/17

Left: 2150.043+/-200.134 χ^2/NDF: 36.5/36

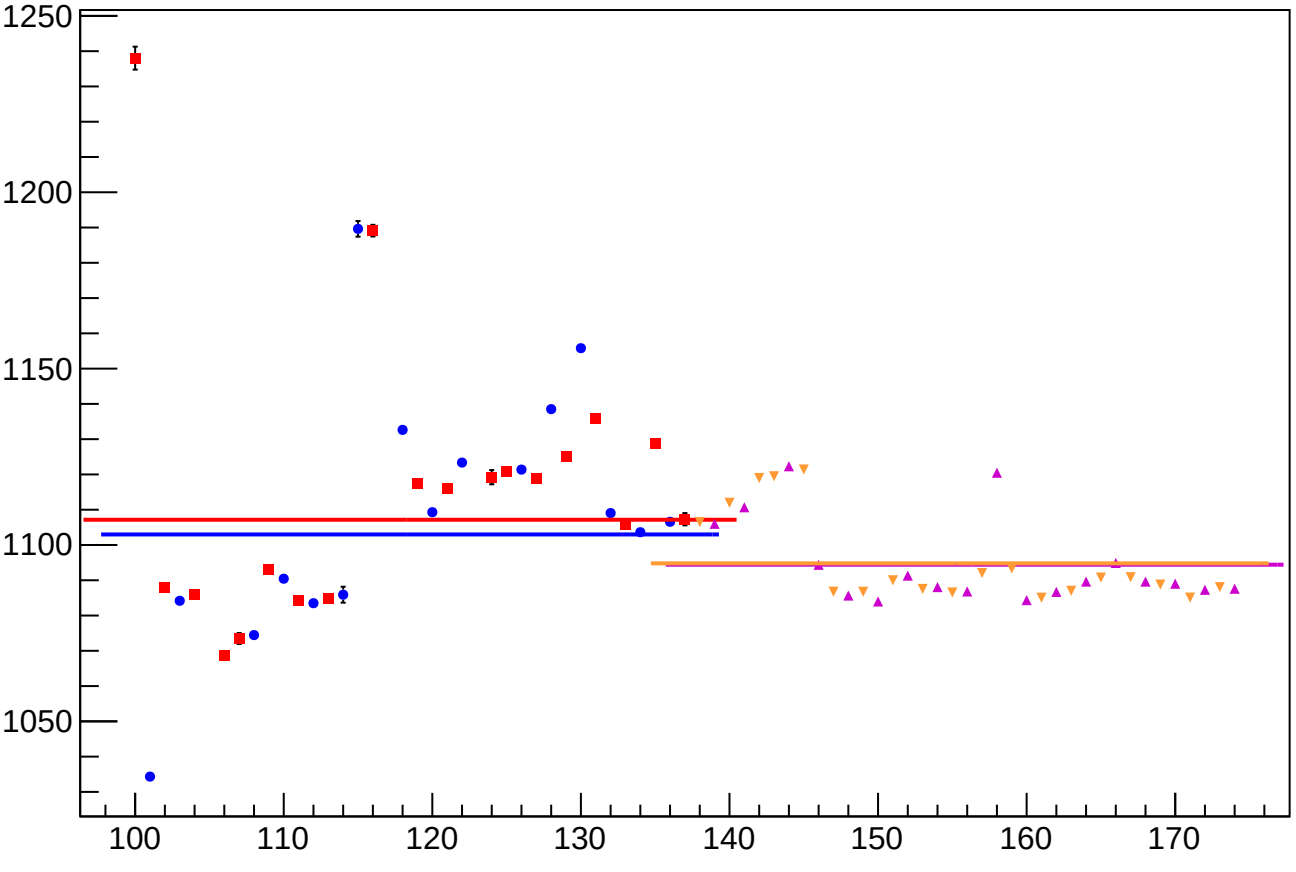
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2467.273+/-233.267 χ^2/NDF:34.0/33

Out: 2005.962+/-231.401 χ^2/NDF:24.5/37

All: 2234.766+/-164.281 χ^2/NDF: 60.5/71

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.796+/-0.200 χ^2/NDF:3590.4/18

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

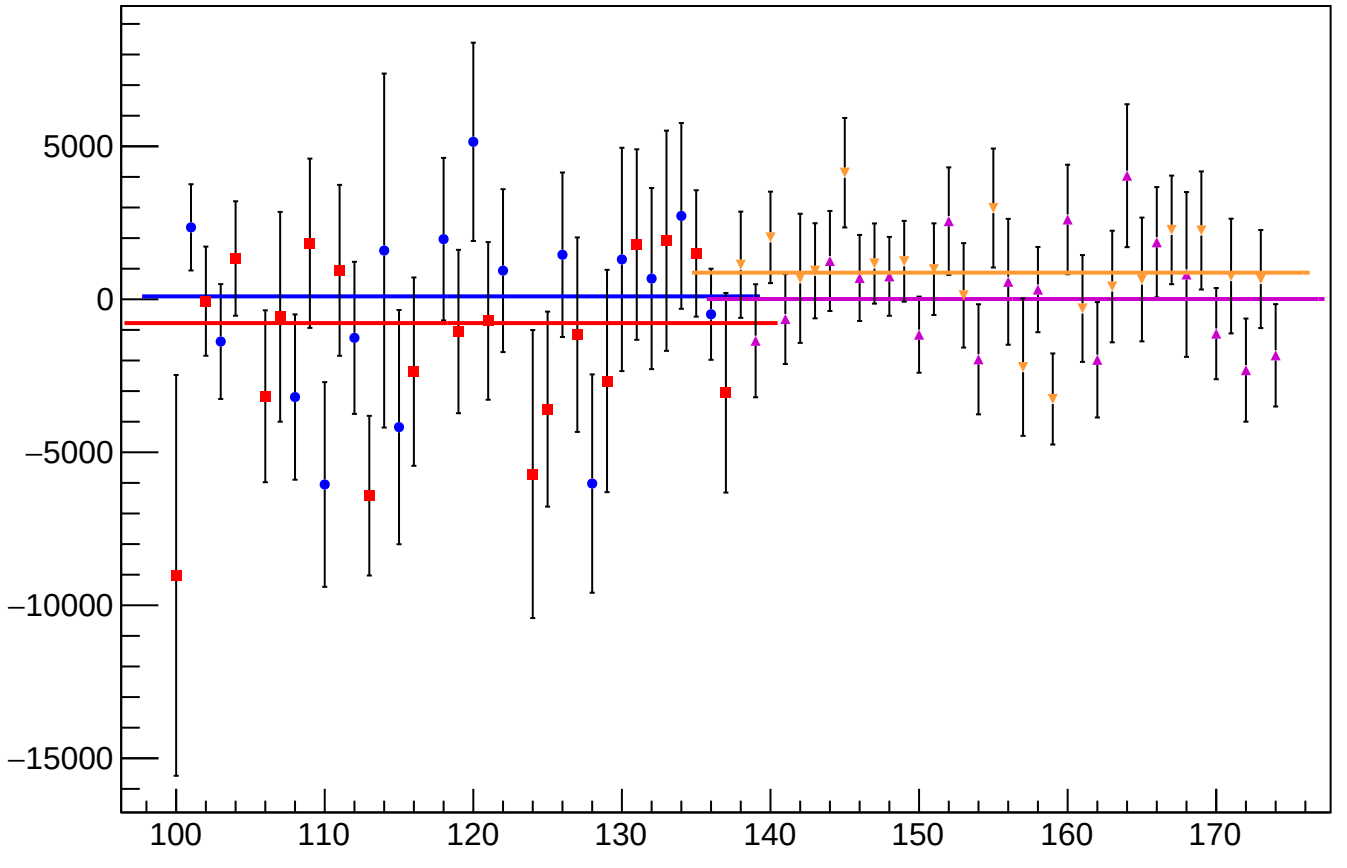
Left: 1094.605+/-0.142 χ^2/NDF: 7113.9/36

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

In: 1097.190+/-0.165 χ^2/NDF:17337.5/33

Out: 1098.856+/-0.164 χ^2/NDF:13533.0/37

All: 1098.030+/-0.116 χ^2/NDF: 30921.9/71



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 870.861+/-385.655 χ^2/NDF:16.7/18

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 9.378+/-387.742 χ^2/NDF:17.2/17

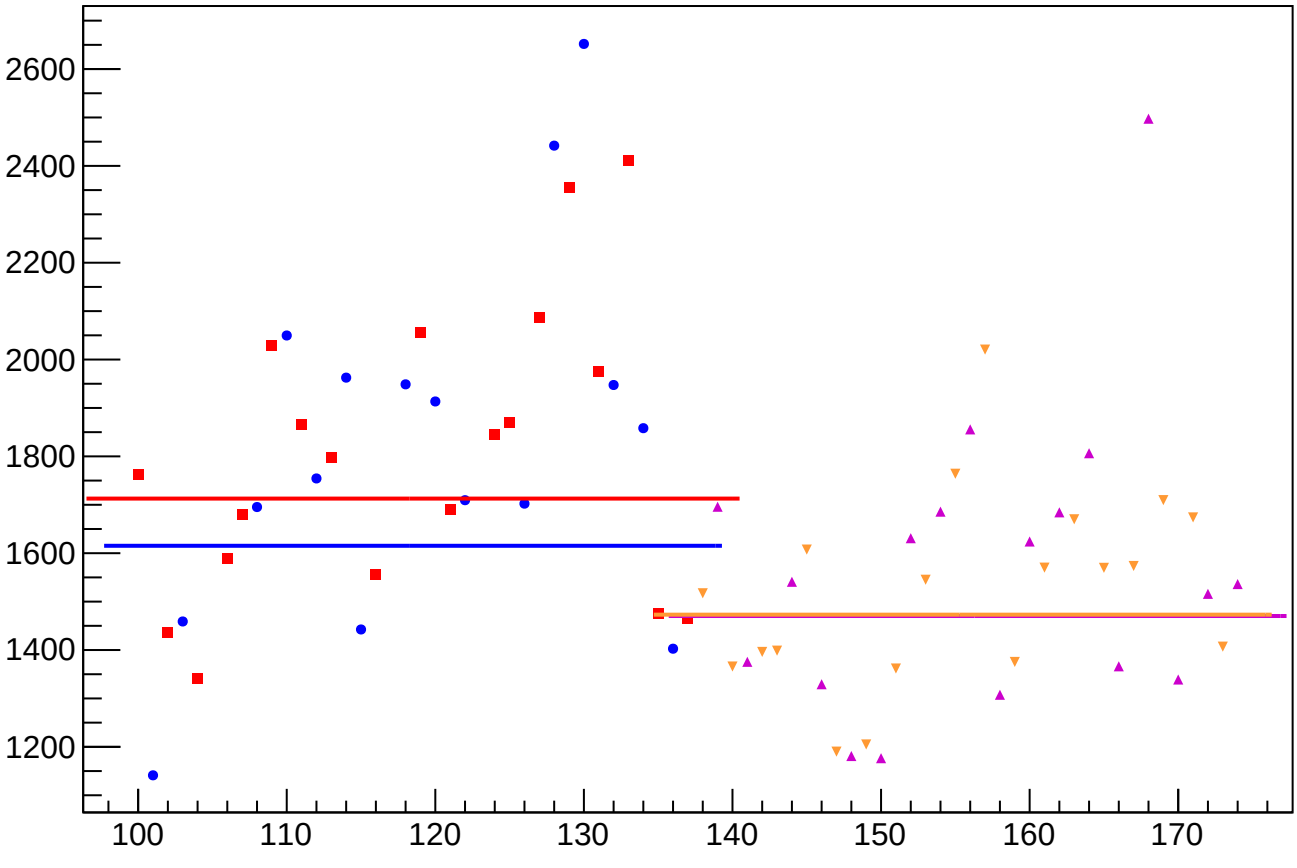
Left: 442.444+/-273.434 χ^2/NDF: 36.4/36

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

In: 33.827+/-328.462 χ^2/NDF:34.2/33

Out: 428.833+/-329.899 χ^2/NDF:36.7/37

All: 230.467+/-232.764 χ^2/NDF: 71.6/71



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

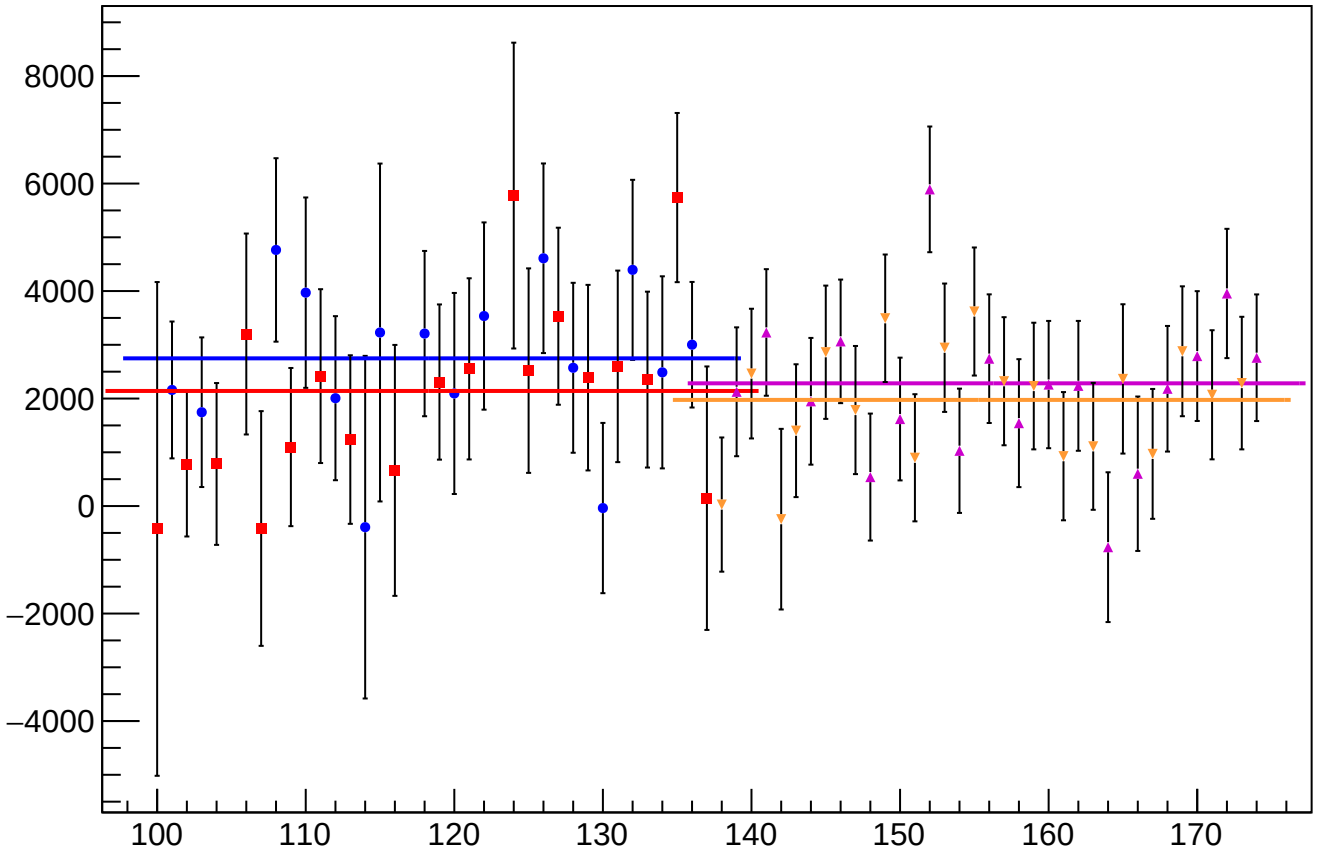
Left: 1471.653+/-0.193 χ^2/NDF: 1306576.8/36

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

In: 1511.216+/-0.232 χ^2/NDF:1589550.6/33

Out: 1537.355+/-0.233 χ^2/NDF:1125074.7/37

All: 1524.228+/-0.165 χ^2/NDF: 2720930.8/71



Right In: 2747.939+/-408.759 χ^2/NDF: 9.5/15

Left Out: 1974.783+/-281.639 χ^2/NDF:13.0/18

Right Out: 2141.169+/-402.789 χ^2/NDF: 13.6/18

Left In: 2283.238+/-282.978 χ^2/NDF:23.4/17

Left: 2128.279+/-199.621 χ^2/NDF: 37.0/36

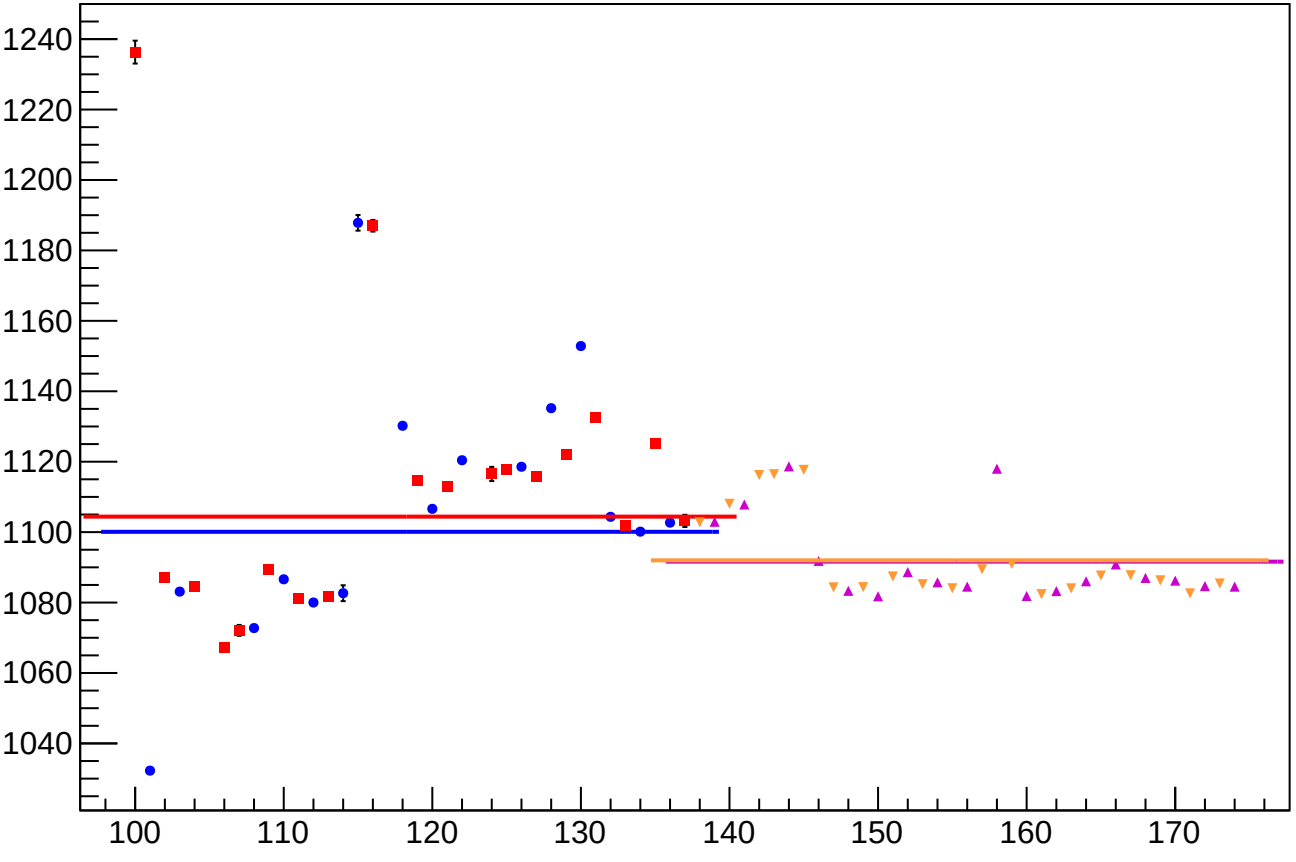
Right: 2440.090+/-286.902 χ^2/NDF: 24.2/34

In: 2433.795+/-232.665 χ^2/NDF:33.8/33

Out: 2029.419+/-230.812 χ^2/NDF:26.6/37

All: 2229.990+/-163.860 χ^2/NDF: 61.9/71

overload_cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1091.985+/-0.199 χ^2/NDF:3407.9/18

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

Left In: 1091.617+/-0.200 χ^2/NDF:3451.0/17

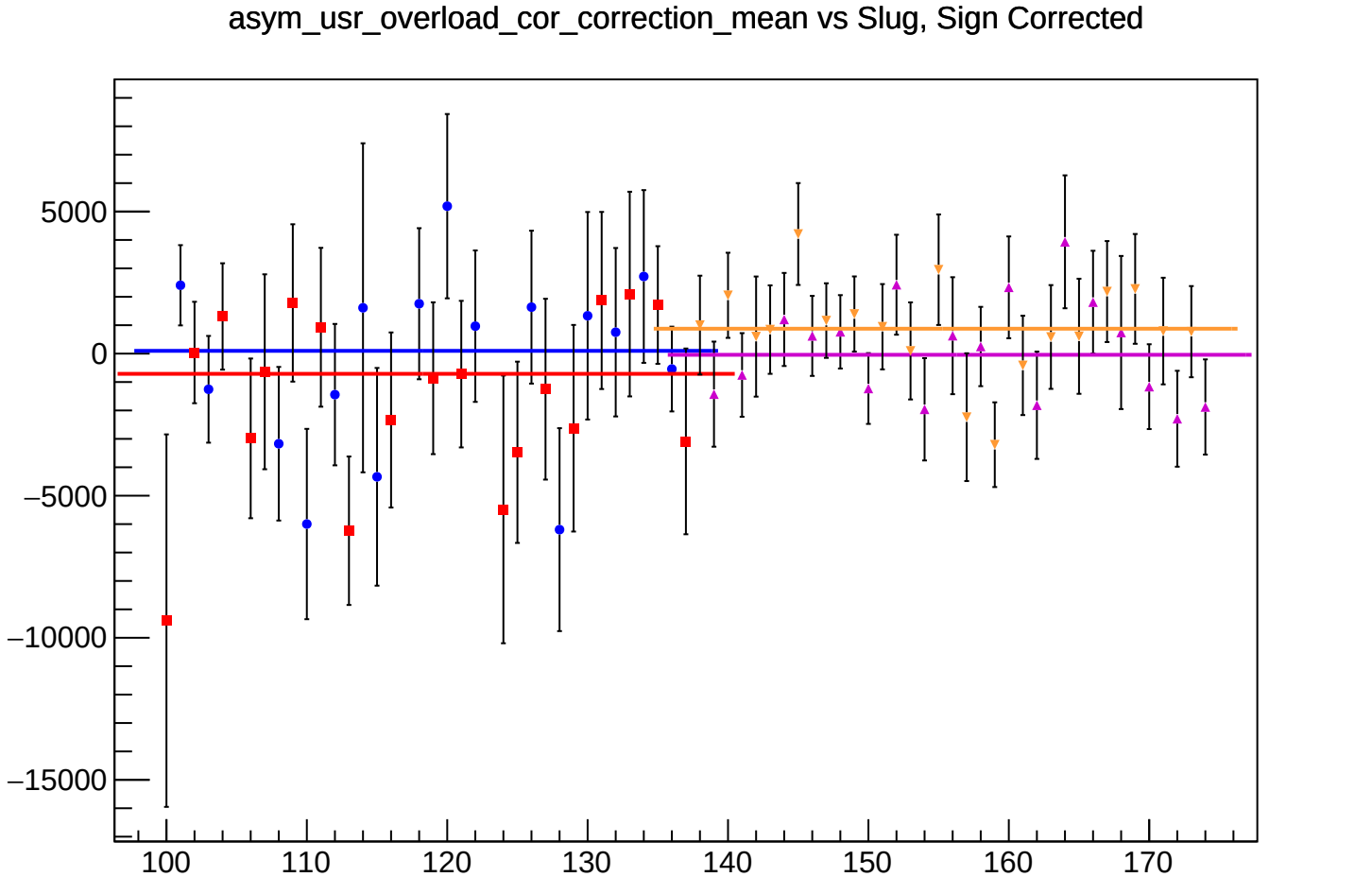
Left: 1091.802+/-0.141 χ^2/NDF: 6860.6/36

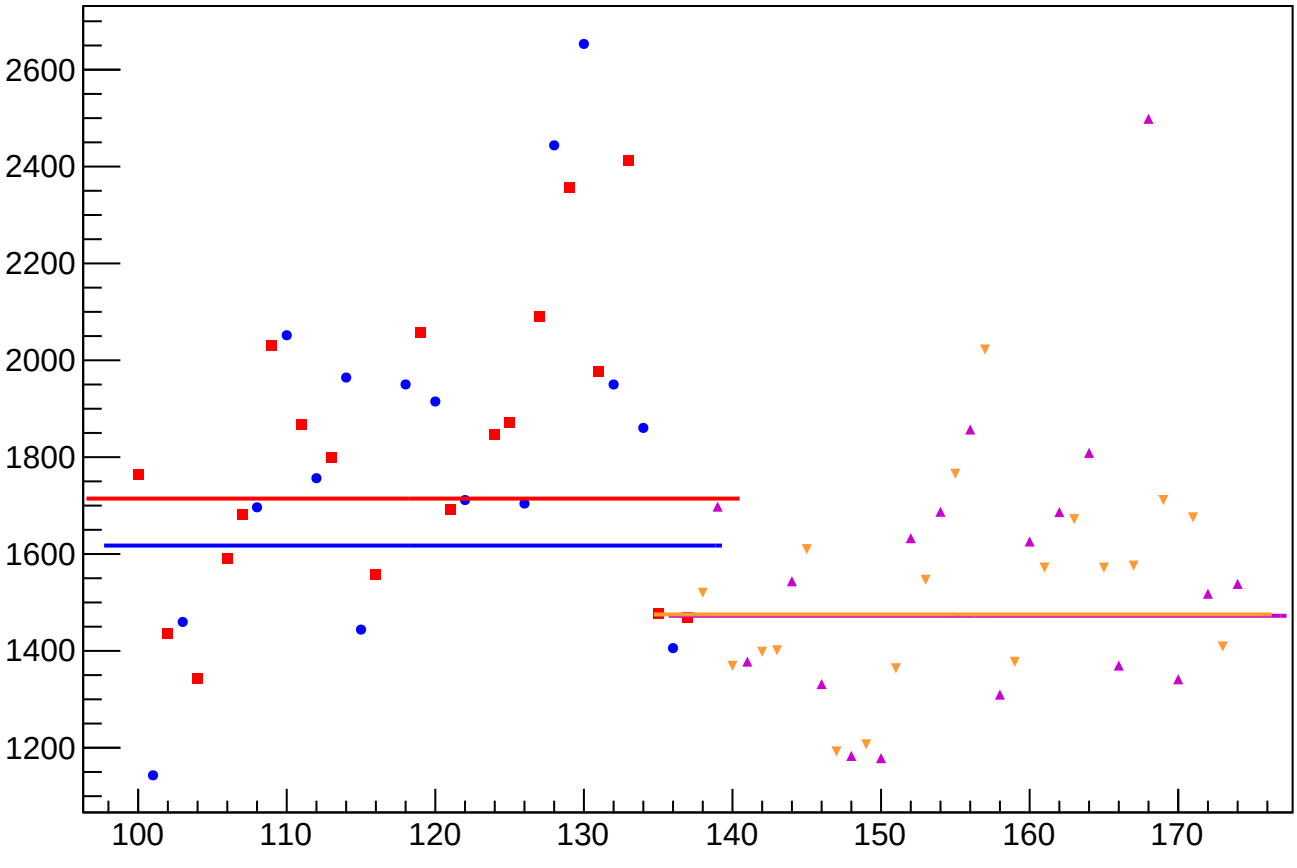
Right: 1102.278+/-0.203 χ^2/NDF: 21733.6/34

In: 1094.362+/-0.165 χ^2/NDF:17109.2/33

Out: 1096.063+/-0.163 χ^2/NDF:13228.1/37

All: 1095.219+/-0.116 χ^2/NDF: 30391.1/71


asym_usr_overload_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 97.435+/-618.876 χ²/NDF: 17.2/15
Left Out: 876.662+/-386.233 χ²/NDF:16.7/18
Right Out: -711.287+/-637.587 χ²/NDF: 14.9/18
Left In: -42.096+/-388.317 χ²/NDF:16.4/17
Left: 419.754+/-273.842 χ²/NDF: 35.9/36
Right: -294.885+/-444.079 χ²/NDF: 33.0/34
In: -2.681+/-328.928 χ²/NDF:33.6/33
Out: 450.377+/-330.348 χ²/NDF:36.2/37
All: 222.872+/-233.088 χ²/NDF: 70.8/71



Right In: 1617.491+/-0.438 χ^2/NDF: 691725.3/15

Left Out: 1475.348+/-0.273 χ^2/NDF:487508.3/18

Right Out: 1714.508+/-0.451 χ^2/NDF: 427709.9/18

Left In: 1472.525+/-0.275 χ^2/NDF:813922.7/17

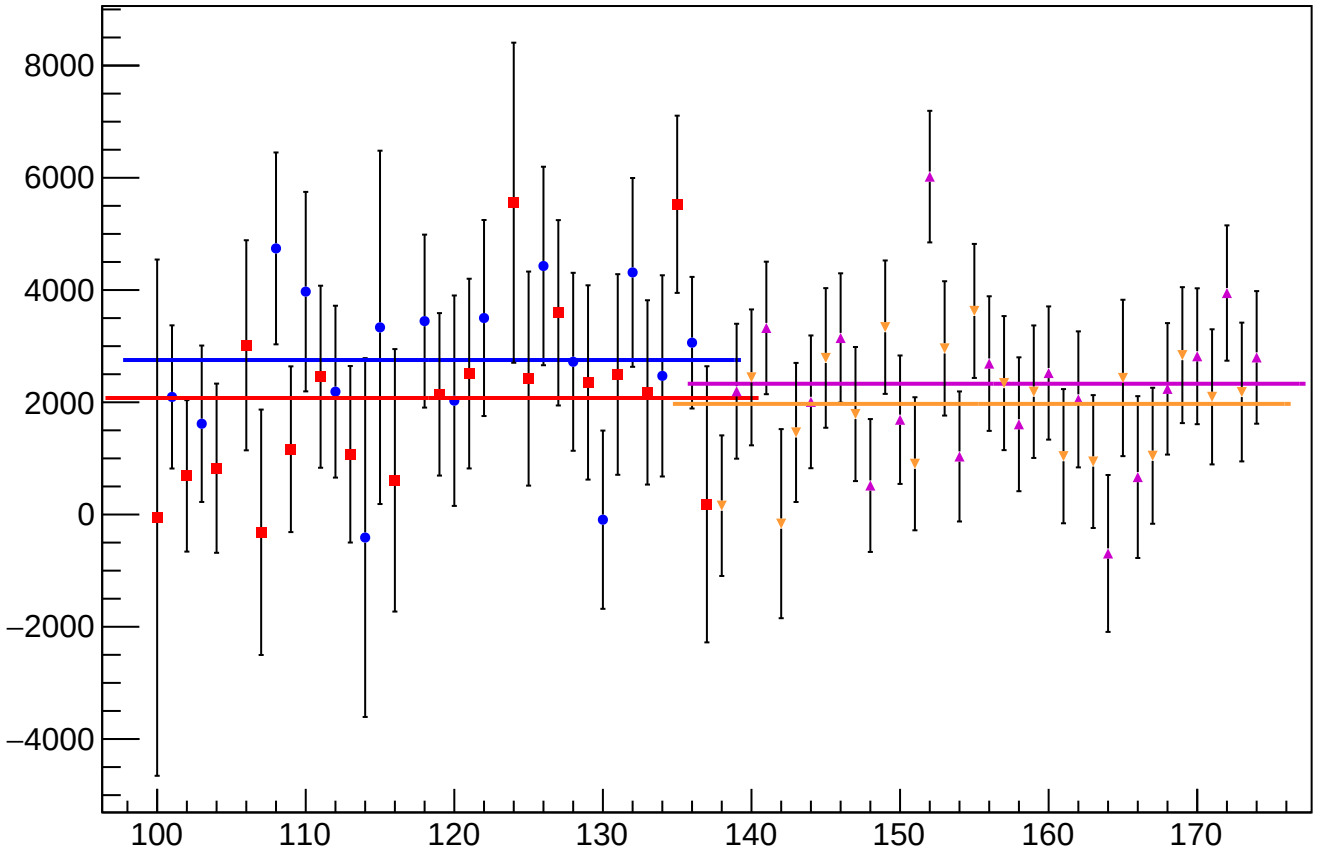
Left: 1473.944+/-0.194 χ^2/NDF: 1301484.1/36

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

In: 1513.476+/-0.233 χ^2/NDF:1584386.3/33

Out: 1539.550+/-0.234 χ^2/NDF:1121077.7/37

All: 1526.457+/-0.165 χ^2/NDF: 2711720.9/71



Right In: 2753.123+/-409.837 χ^2/NDF: 9.5/15

Left Out: 1971.484+/-282.365 χ^2/NDF:12.0/18

Right Out: 2076.471+/-403.796 χ^2/NDF: 12.5/18

Left In: 2330.298+/-283.703 χ^2/NDF:23.8/17

Left: 2150.043+/-200.134 χ^2/NDF: 36.5/36

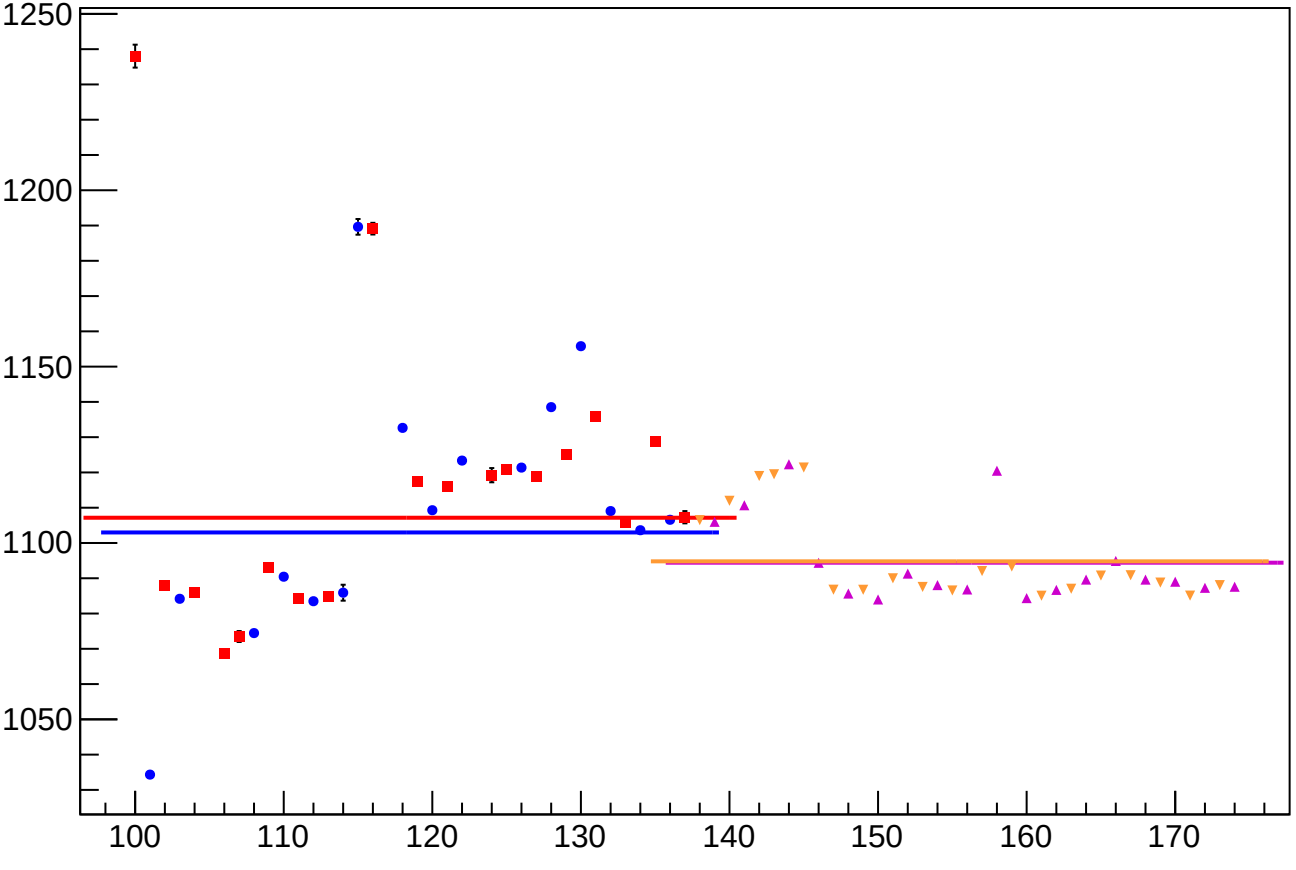
Right: 2409.773+/-287.639 χ^2/NDF: 23.4/34

In: 2467.273+/-233.267 χ^2/NDF:34.0/33

Out: 2005.962+/-231.401 χ^2/NDF:24.5/37

All: 2234.766+/-164.281 χ^2/NDF: 60.5/71

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1102.988+/-0.290 χ^2/NDF: 13223.8/15

Left Out: 1094.796+/-0.200 χ^2/NDF:3590.4/18

Right Out: 1107.159+/-0.286 χ^2/NDF: 8683.4/18

Left In: 1094.412+/-0.201 χ^2/NDF:3521.6/17

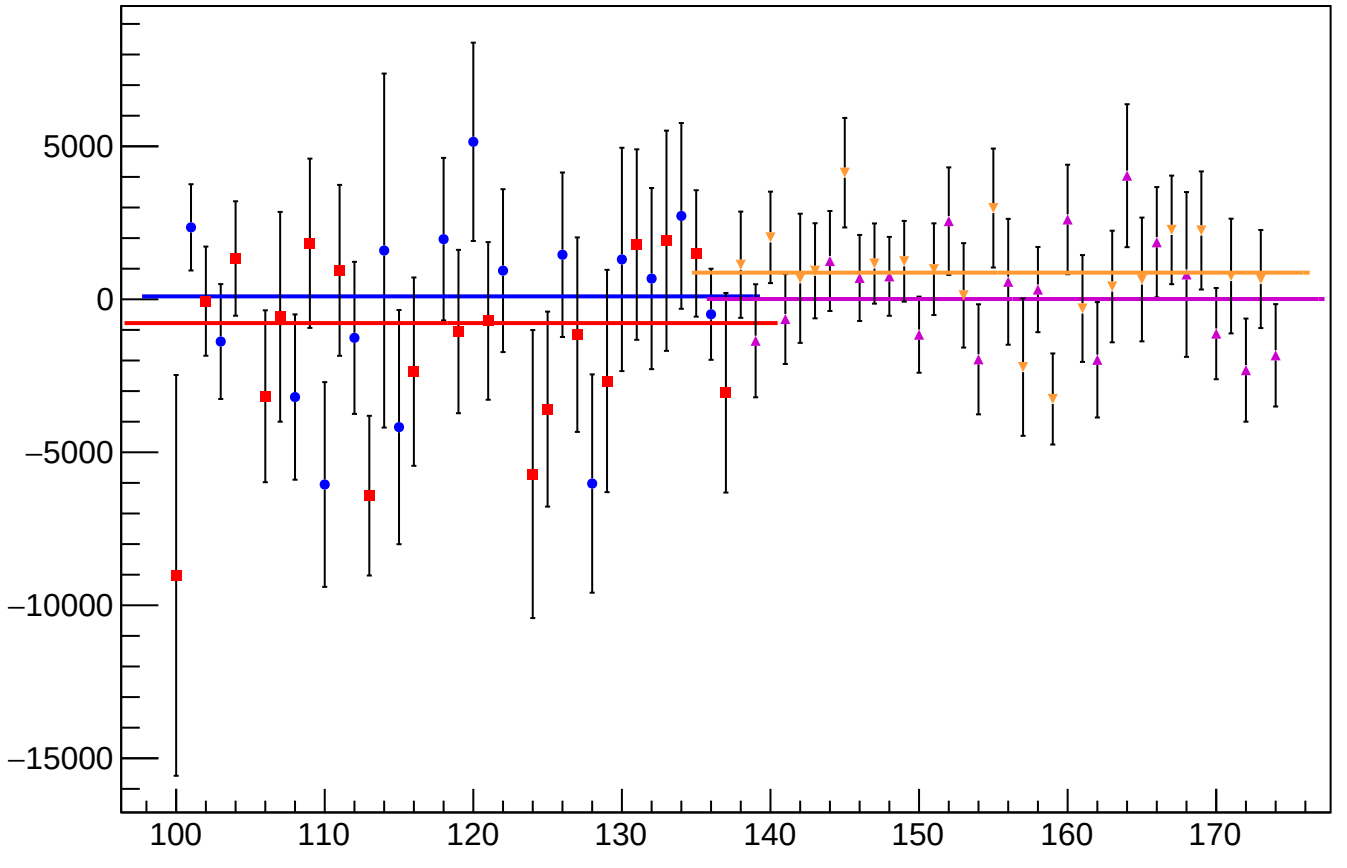
Left: 1094.605+/-0.142 χ^2/NDF: 7113.9/36

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

In: 1097.190+/-0.165 χ^2/NDF:17337.5/33

Out: 1098.856+/-0.164 χ^2/NDF:13533.0/37

All: 1098.030+/-0.116 χ^2/NDF: 30921.9/71



Right In: 95.955+/-618.095 χ^2/NDF: 16.9/15

Left Out: 870.861+/-385.655 χ^2/NDF:16.7/18

Right Out: -776.996+/-636.966 χ^2/NDF: 15.1/18

Left In: 9.378+/-387.742 χ^2/NDF:17.2/17

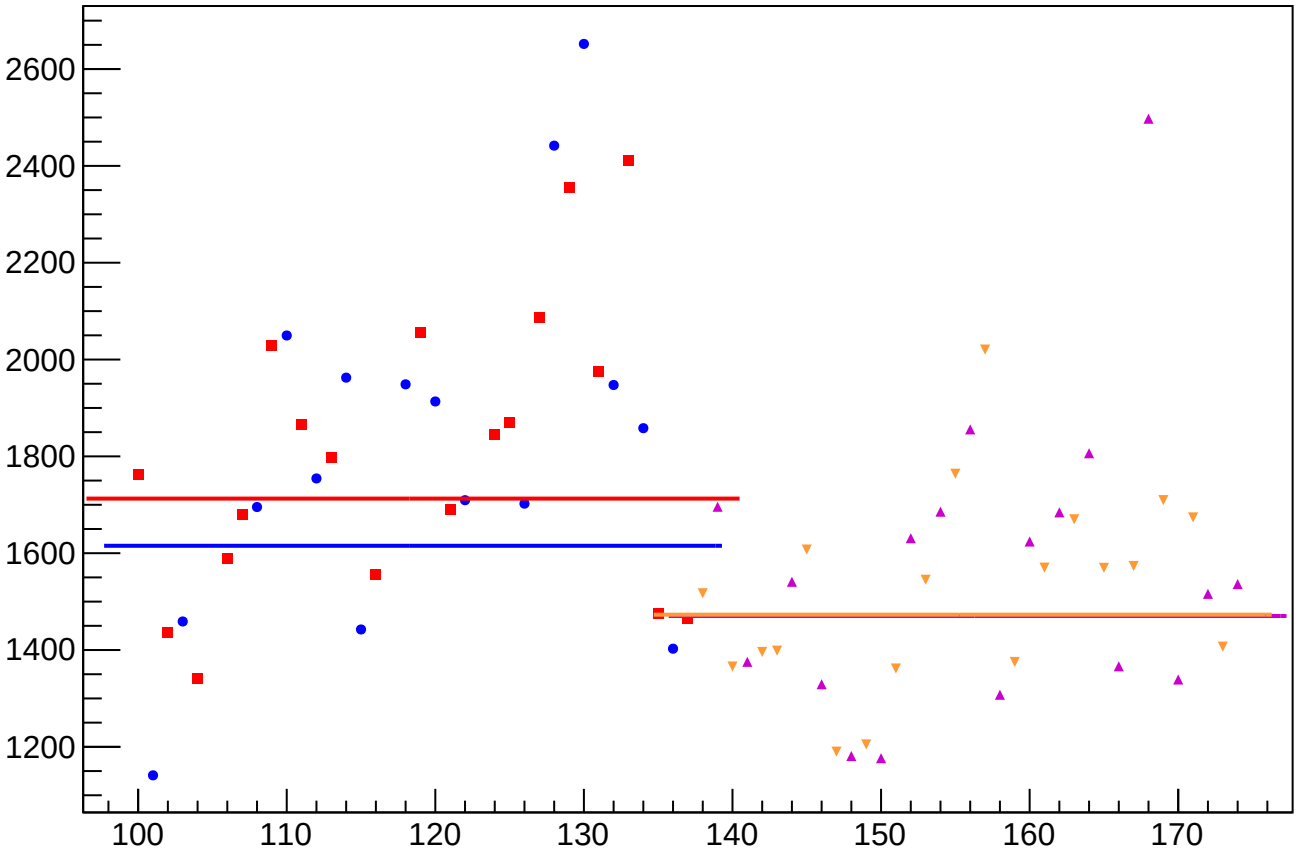
Left: 442.444+/-273.434 χ^2/NDF: 36.4/36

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

In: 33.827+/-328.462 χ^2/NDF:34.2/33

Out: 428.833+/-329.899 χ^2/NDF:36.7/37

All: 230.467+/-232.764 χ^2/NDF: 71.6/71



Right In: 1615.316+/-0.437 χ^2/NDF: 693630.0/15

Left Out: 1473.042+/-0.273 χ^2/NDF:489660.1/18

Right Out: 1712.798+/-0.450 χ^2/NDF: 428065.0/18

Left In: 1470.250+/-0.274 χ^2/NDF:816864.5/17

Left: 1471.653+/-0.193 χ^2/NDF: 1306576.8/36

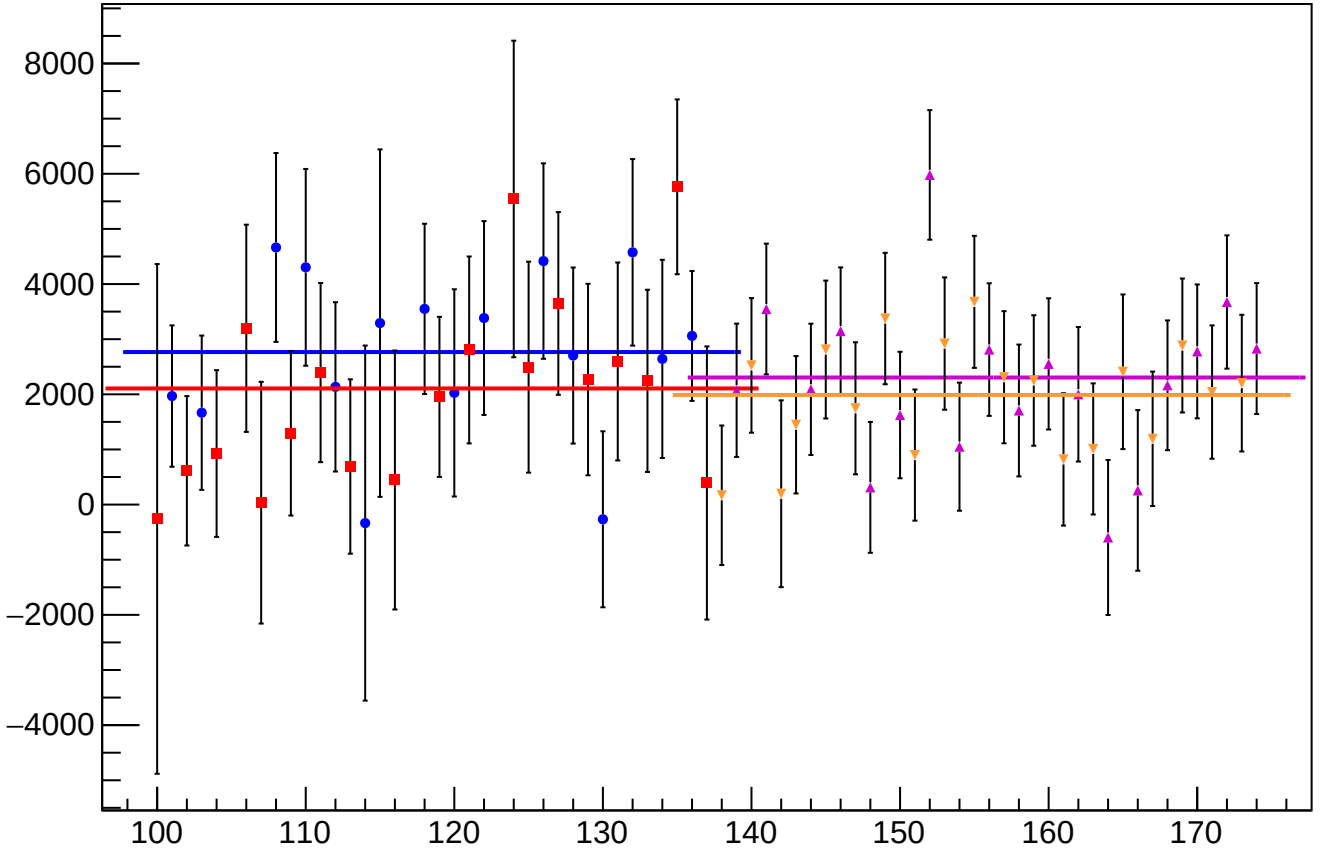
Right: 1662.591+/-0.314 χ^2/NDF: 1145820.9/34

In: 1511.216+/-0.232 χ^2/NDF:1589550.6/33

Out: 1537.355+/-0.233 χ^2/NDF:1125074.7/37

All: 1524.228+/-0.165 χ^2/NDF: 2720930.8/71

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.657+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1989.146+/-283.594 χ^2/NDF:11.7/18

Right Out: 2106.358+/-405.586 χ^2/NDF: 13.4/18

Left In: 2304.924+/-284.856 χ^2/NDF:24.2/17

Left: 2146.333+/-200.976 χ^2/NDF: 36.5/36

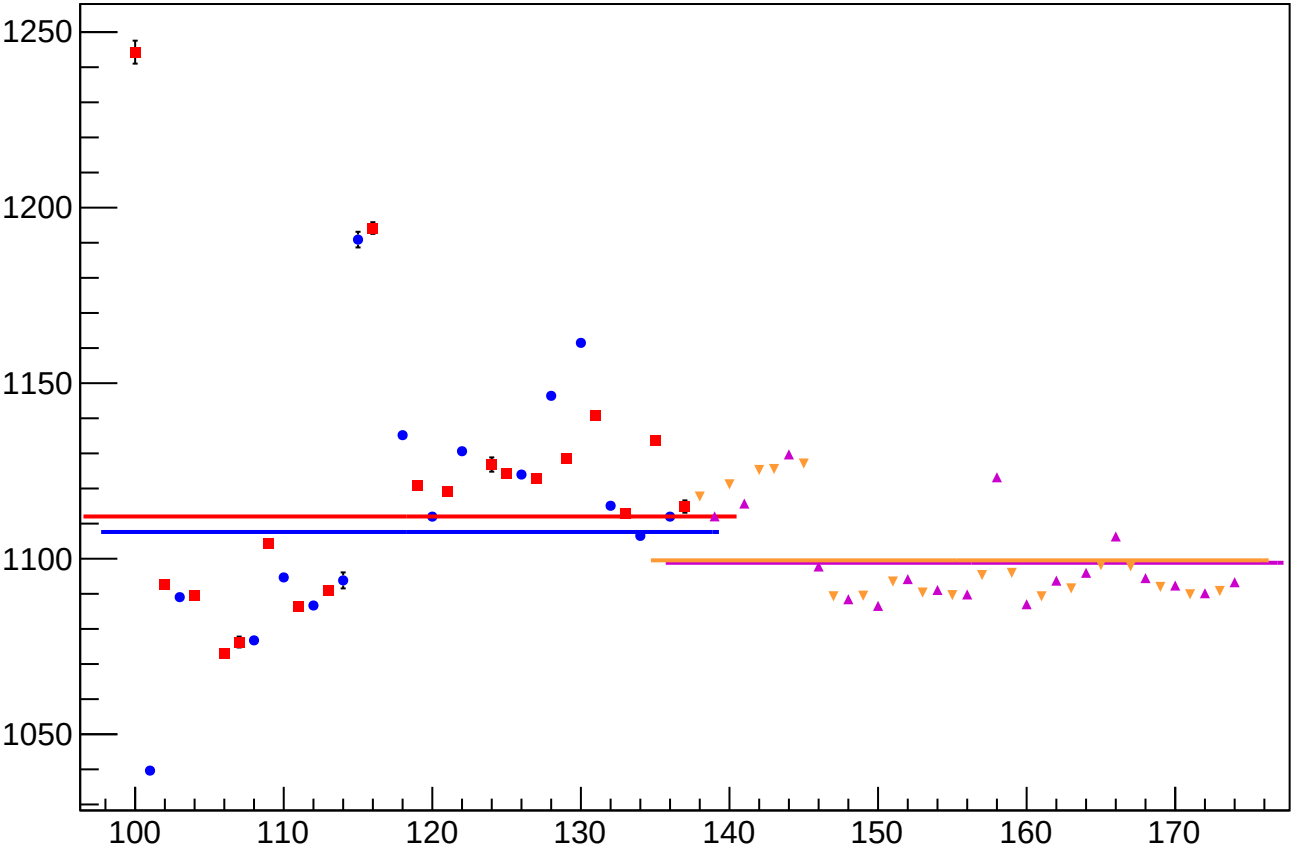
Right: 2431.678+/-288.883 χ^2/NDF: 25.0/34

In: 2454.474+/-234.226 χ^2/NDF:35.4/33

Out: 2027.634+/-232.414 χ^2/NDF:25.1/37

All: 2239.397+/-164.978 χ^2/NDF: 62.1/71

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.8/15

Left Out: 1099.532+/-0.201 χ^2/NDF:4532.0/18

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1098.842+/-0.201 χ^2/NDF:3959.5/17

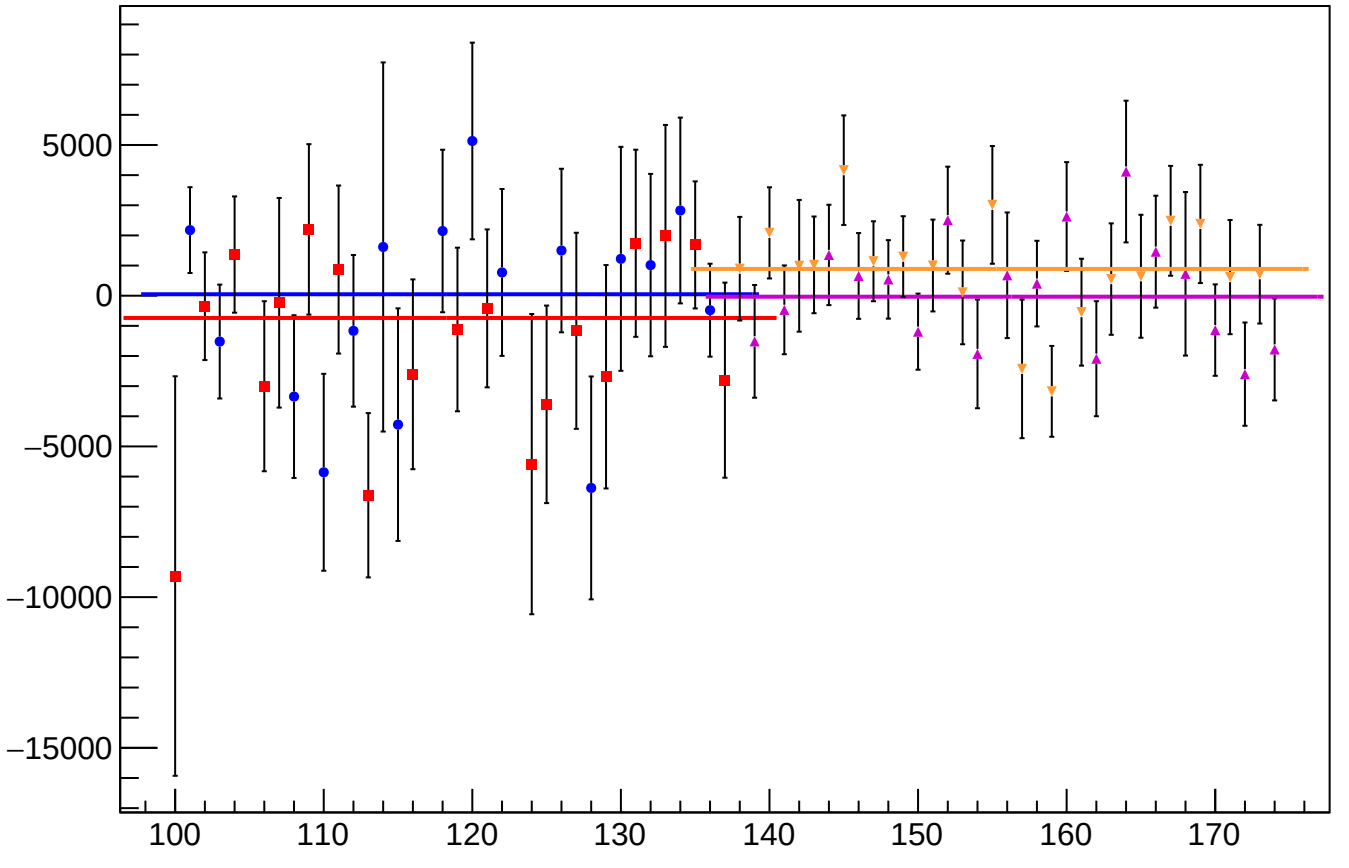
Left: 1099.188+/-0.142 χ^2/NDF: 8497.4/36

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

In: 1101.683+/-0.166 χ^2/NDF:17794.6/33

Out: 1103.636+/-0.164 χ^2/NDF:14460.8/37

All: 1102.667+/-0.117 χ^2/NDF: 32325.5/71



Right In: 47.817+/-628.060 χ^2/NDF: 16.9/15

Left Out: 888.823+/-391.495 χ^2/NDF:16.8/18

Right Out: -738.185+/-647.795 χ^2/NDF: 14.9/18

Left In: -33.169+/-392.739 χ^2/NDF:17.1/17

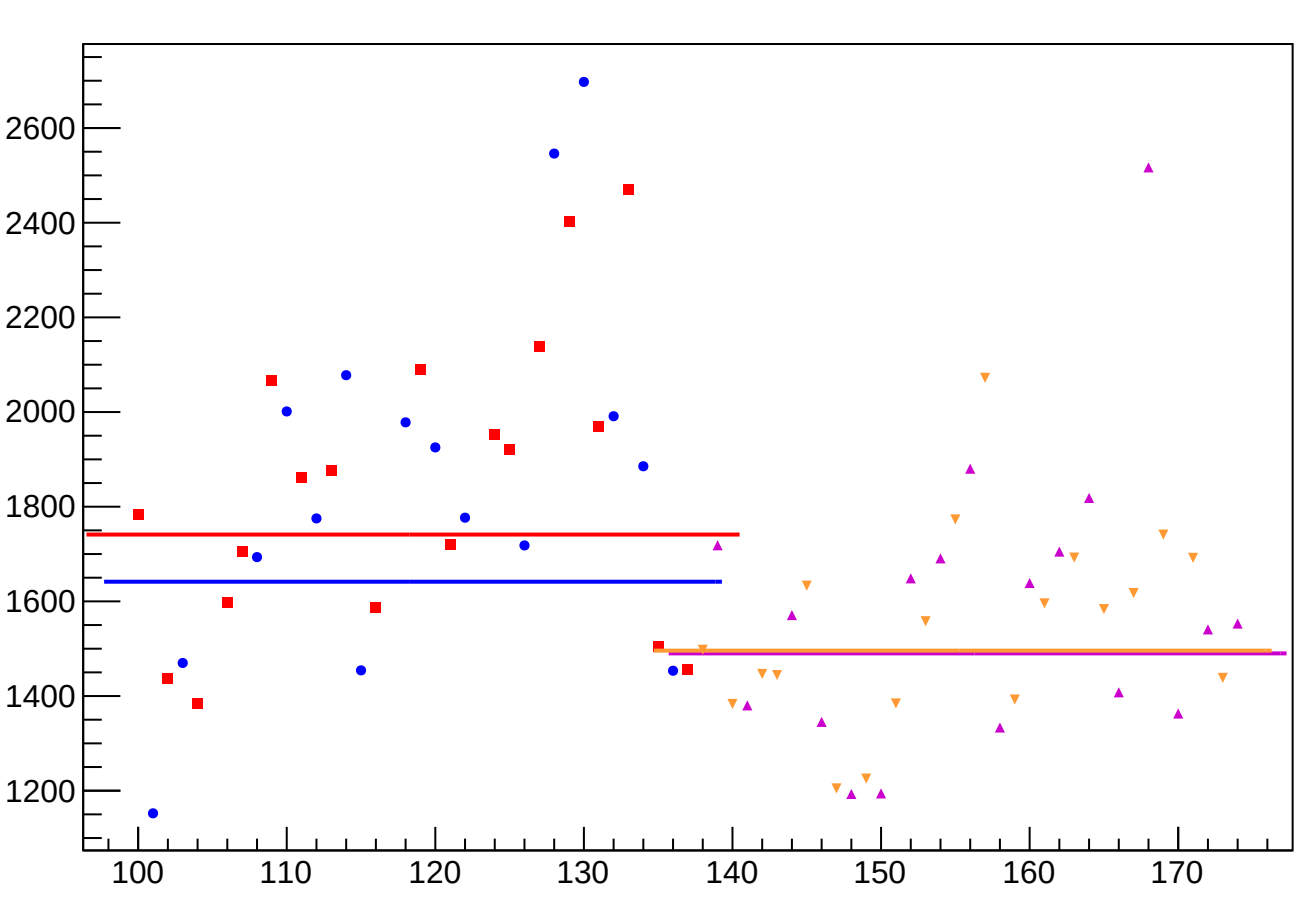
Left: 429.289+/-277.267 χ^2/NDF: 36.7/36

Right: -333.029+/-450.921 χ^2/NDF: 32.6/34

In: -10.403+/-332.994 χ^2/NDF:34.0/33

Out: 453.554+/-335.059 χ^2/NDF:36.4/37

All: 220.141+/-236.189 χ^2/NDF: 71.3/71



Right In: 1641.538+/-0.444 χ^2/NDF: 701311.4/15

Left Out: 1495.926+/-0.277 χ^2/NDF:488574.6/18

Right Out: 1741.200+/-0.458 χ^2/NDF: 438336.6/18

Left In: 1490.087+/-0.278 χ^2/NDF:802437.6/17

Left: 1493.016+/-0.196 χ^2/NDF: 1291233.9/36

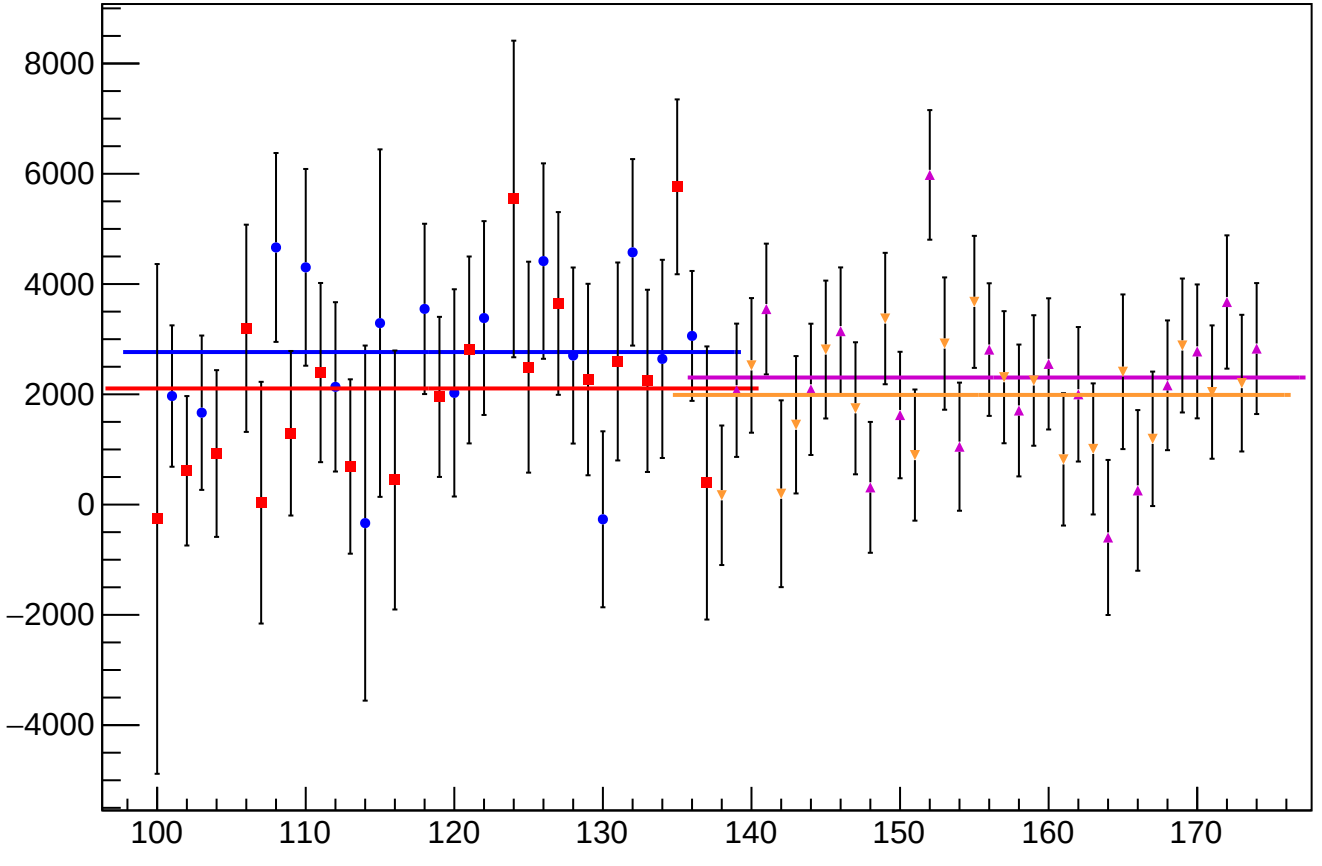
Right: 1689.828+/-0.319 χ^2/NDF: 1164049.3/34

In: 1532.661+/-0.235 χ^2/NDF:1587354.2/33

Out: 1561.543+/-0.237 χ^2/NDF:1136926.0/37

All: 1547.013+/-0.167 χ^2/NDF: 2731756.7/71

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2766.656+/-411.563 χ^2/NDF: 10.3/15

Left Out: 1989.144+/-283.594 χ^2/NDF:11.7/18

Right Out: 2106.360+/-405.586 χ^2/NDF: 13.4/18

Left In: 2304.924+/-284.856 χ^2/NDF:24.2/17

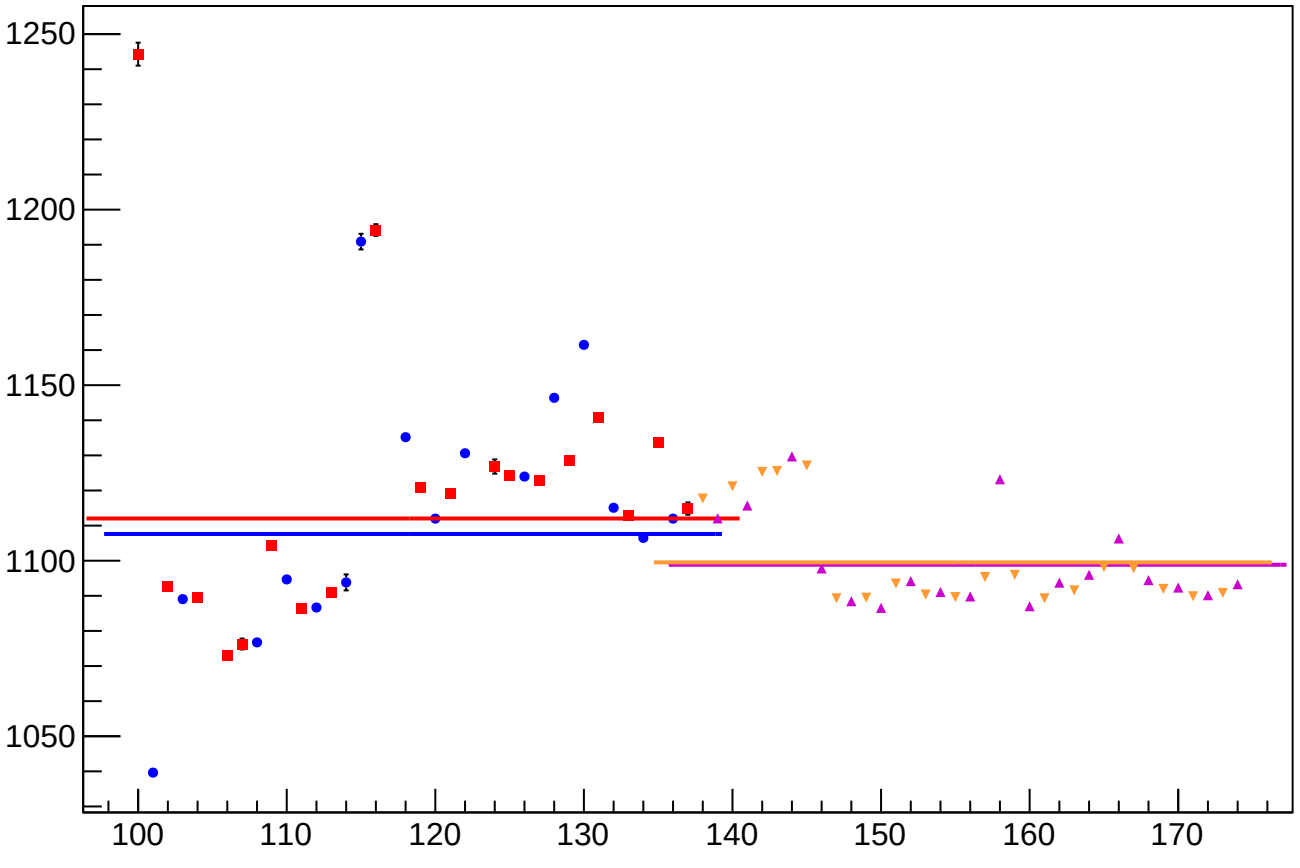
Left: 2146.333+/-200.976 χ^2/NDF: 36.5/36

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

In: 2454.475+/-234.226 χ^2/NDF:35.4/33

Out: 2027.634+/-232.414 χ^2/NDF:25.1/37

All: 2239.397+/-164.978 χ^2/NDF: 62.1/71



Right In: 1107.613+/-0.291 χ^2/NDF: 13220.7/15

Left Out: 1099.532+/-0.201 χ^2/NDF:4532.0/18

Right Out: 1112.029+/-0.287 χ^2/NDF: 8653.5/18

Left In: 1098.842+/-0.201 χ^2/NDF:3959.5/17

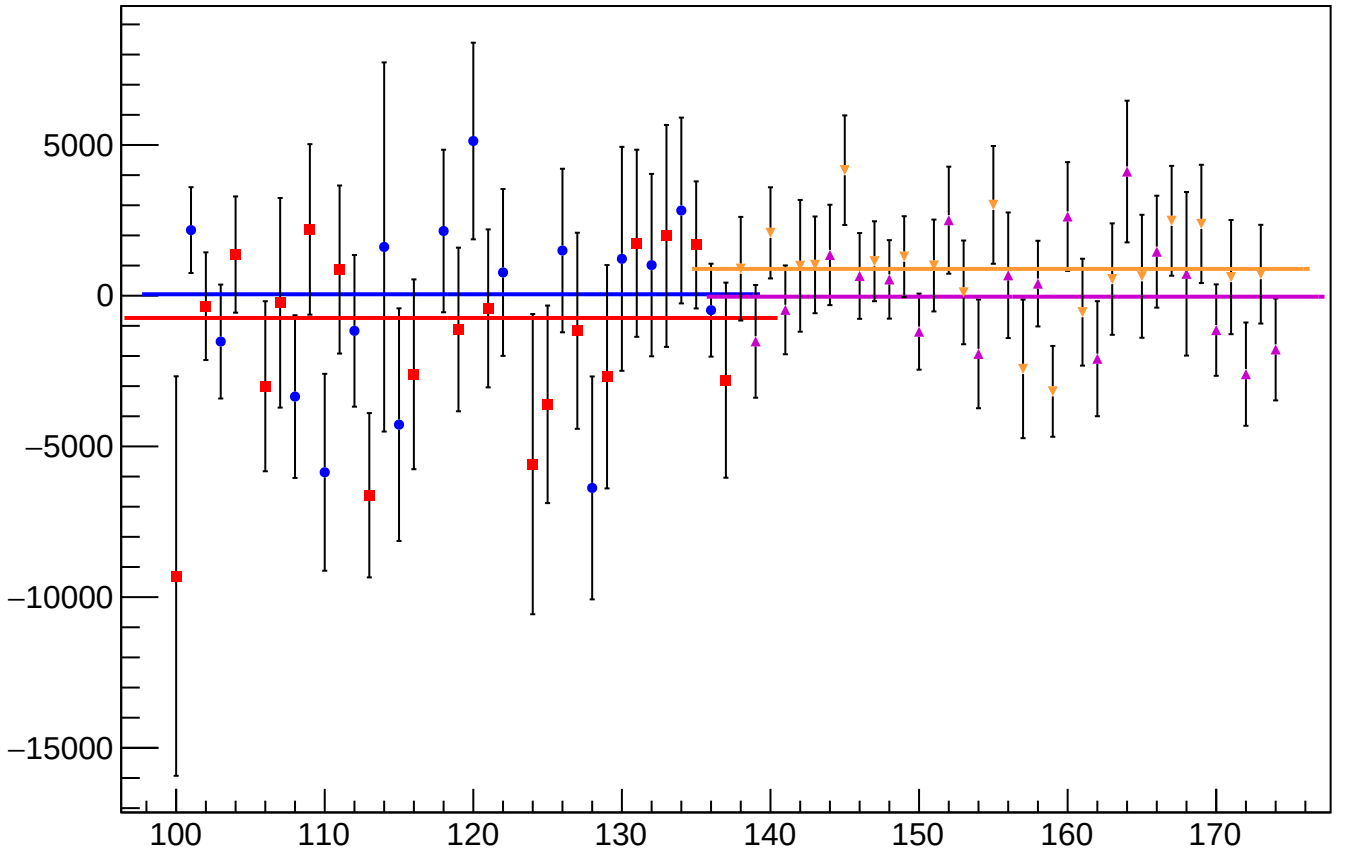
Left: 1099.188+/-0.142 χ^2/NDF: 8497.4/36

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

In: 1101.683+/-0.166 χ^2/NDF:17794.5/33

Out: 1103.636+/-0.164 χ^2/NDF:14460.8/37

All: 1102.667+/-0.117 χ^2/NDF: 32325.3/71



Right In: 47.813+/-628.059 χ^2/NDF: 16.9/15

Left Out: 888.822+/-391.496 χ^2/NDF:16.8/18

Right Out: -738.188+/-647.795 χ^2/NDF: 14.9/18

Left In: -33.168+/-392.740 χ^2/NDF:17.1/17

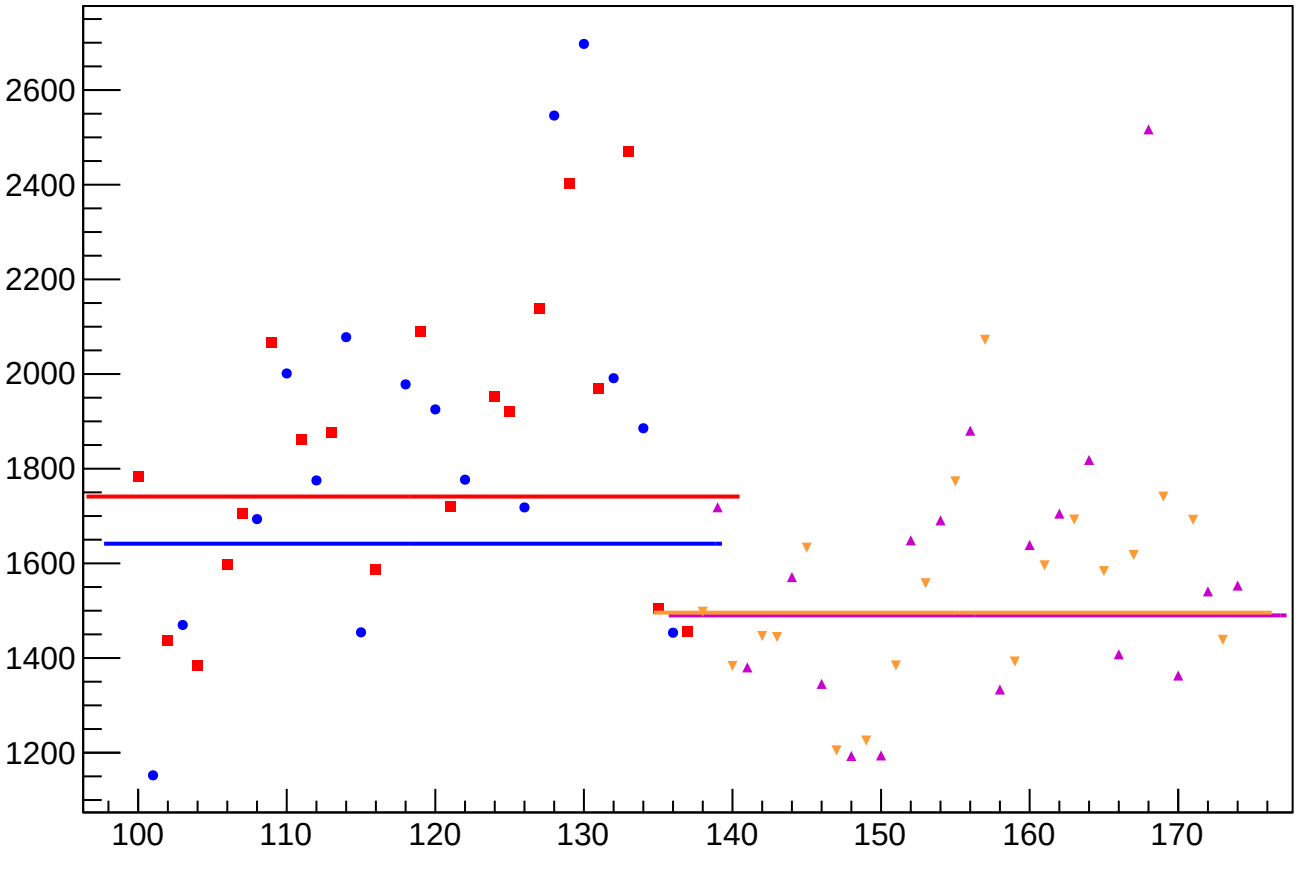
Left: 429.289+/-277.268 χ^2/NDF: 36.7/36

Right: -333.032+/-450.921 χ^2/NDF: 32.6/34

In: -10.403+/-332.994 χ^2/NDF:34.0/33

Out: 453.550+/-335.060 χ^2/NDF:36.4/37

All: 220.139+/-236.189 χ^2/NDF: 71.3/71



Right In: 1641.536+/-0.444 χ^2/NDF: 701299.1/15

Left Out: 1495.929+/-0.277 χ^2/NDF:488579.1/18

Right Out: 1741.199+/-0.458 χ^2/NDF: 438324.1/18

Left In: 1490.091+/-0.278 χ^2/NDF:802443.5/17

Left: 1493.020+/-0.196 χ^2/NDF: 1291244.3/36

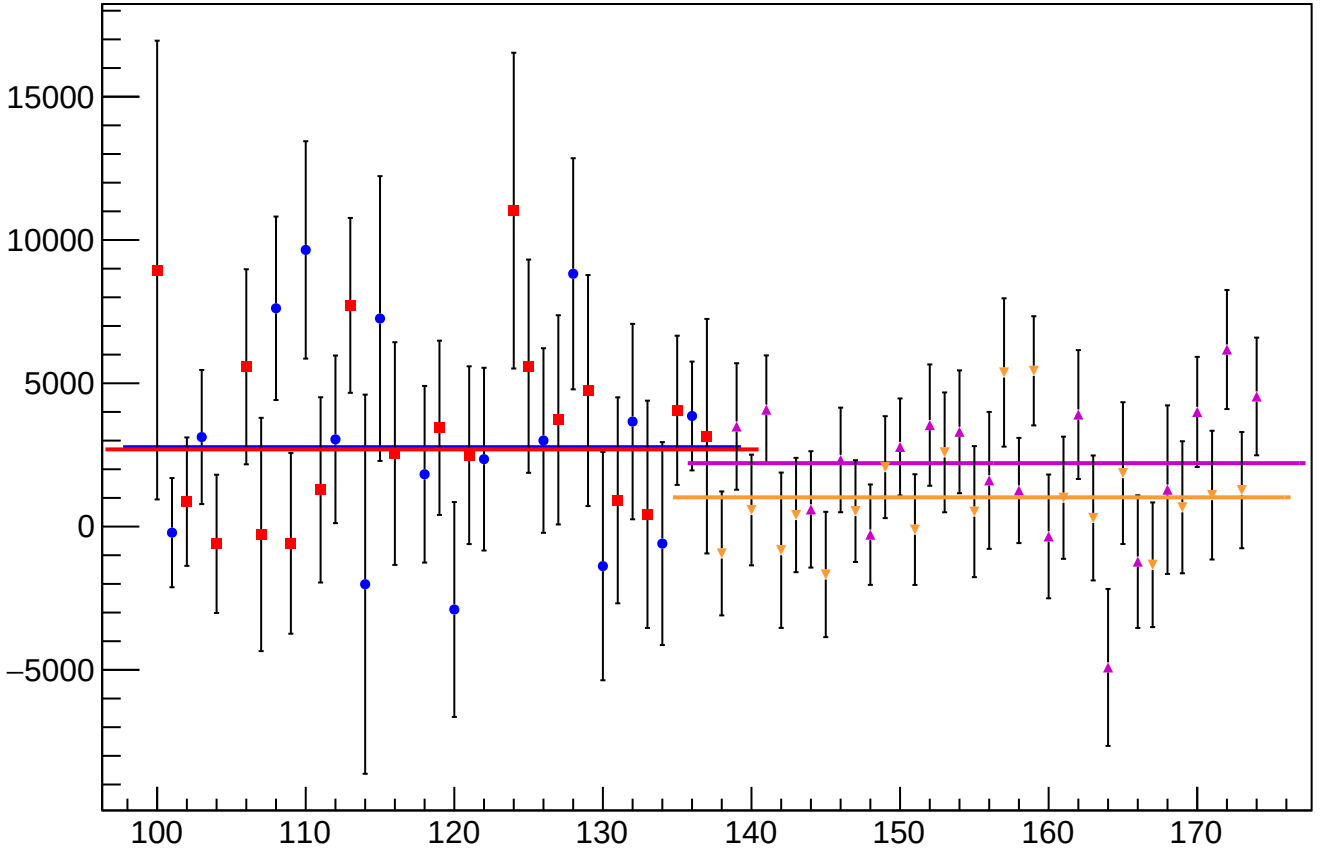
Right: 1689.826+/-0.319 χ^2/NDF: 1164025.0/34

In: 1532.663+/-0.235 χ^2/NDF:1587341.5/33

Out: 1561.546+/-0.237 χ^2/NDF:1136909.5/37

All: 1547.015+/-0.167 χ^2/NDF: 2731727.7/71

asym_usr_mean vs Slug, Sign Corrected



Right In: 2769.952+/-757.109 χ^2/NDF: 16.4/15

Left Out: 1020.570+/-484.499 χ^2/NDF:14.0/18

Right Out: 2692.625+/-765.754 χ^2/NDF: 12.5/18

Left In: 2212.924+/-487.802 χ^2/NDF:21.9/17

Left: 1612.697+/-343.754 χ^2/NDF: 38.9/36

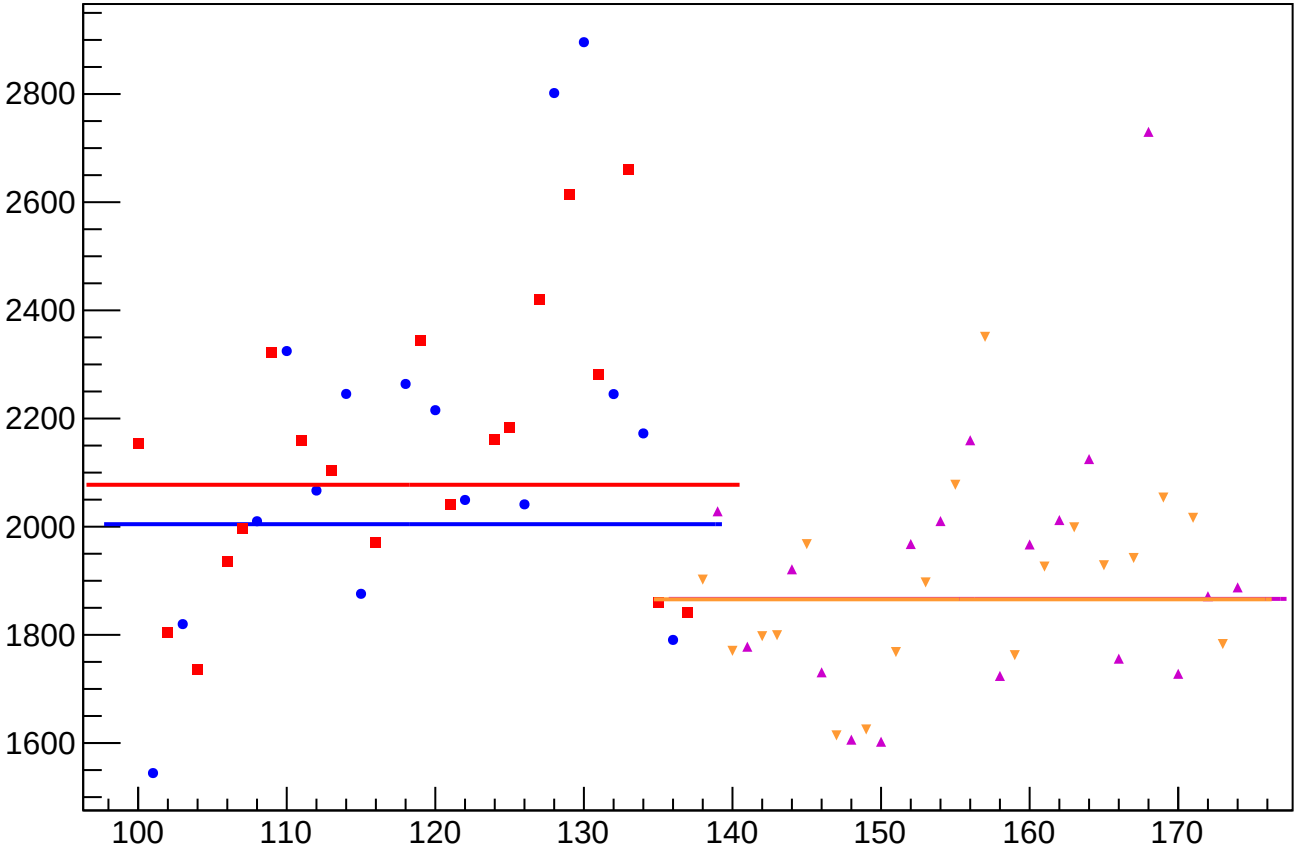
Right: 2731.727+/-538.387 χ^2/NDF: 29.0/34

In: 2376.325+/-410.060 χ^2/NDF:38.7/33

Out: 1498.574+/-409.430 χ^2/NDF:29.9/37

All: 1936.774+/-289.733 χ^2/NDF: 70.9/71

asym_usr_rms vs Slug, Sign Corrected



Right In: 2004.635+/-0.535 χ^2/NDF: 387567.3/15

Left Out: 1865.742+/-0.343 χ^2/NDF:227460.3/18

Right Out: 2077.500+/-0.541 χ^2/NDF: 230482.0/18

Left In: 1866.525+/-0.345 χ^2/NDF:394414.4/17

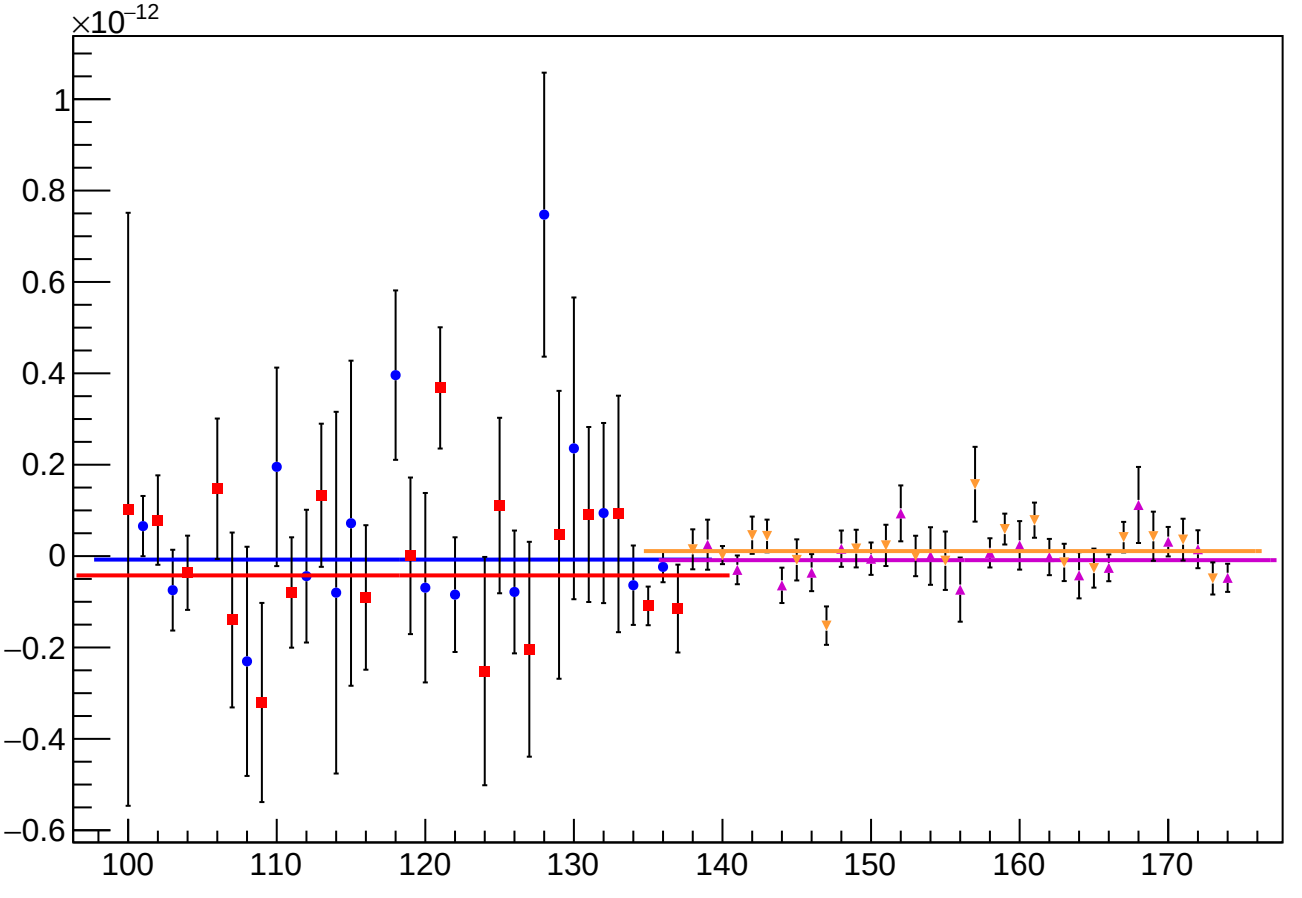
Left: 1866.131+/-0.243 χ^2/NDF: 621877.3/36

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

In: 1907.039+/-0.290 χ^2/NDF:829011.5/33

Out: 1926.279+/-0.290 χ^2/NDF:567163.2/37

All: 1916.674+/-0.205 χ^2/NDF: 1398379.6/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/18

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

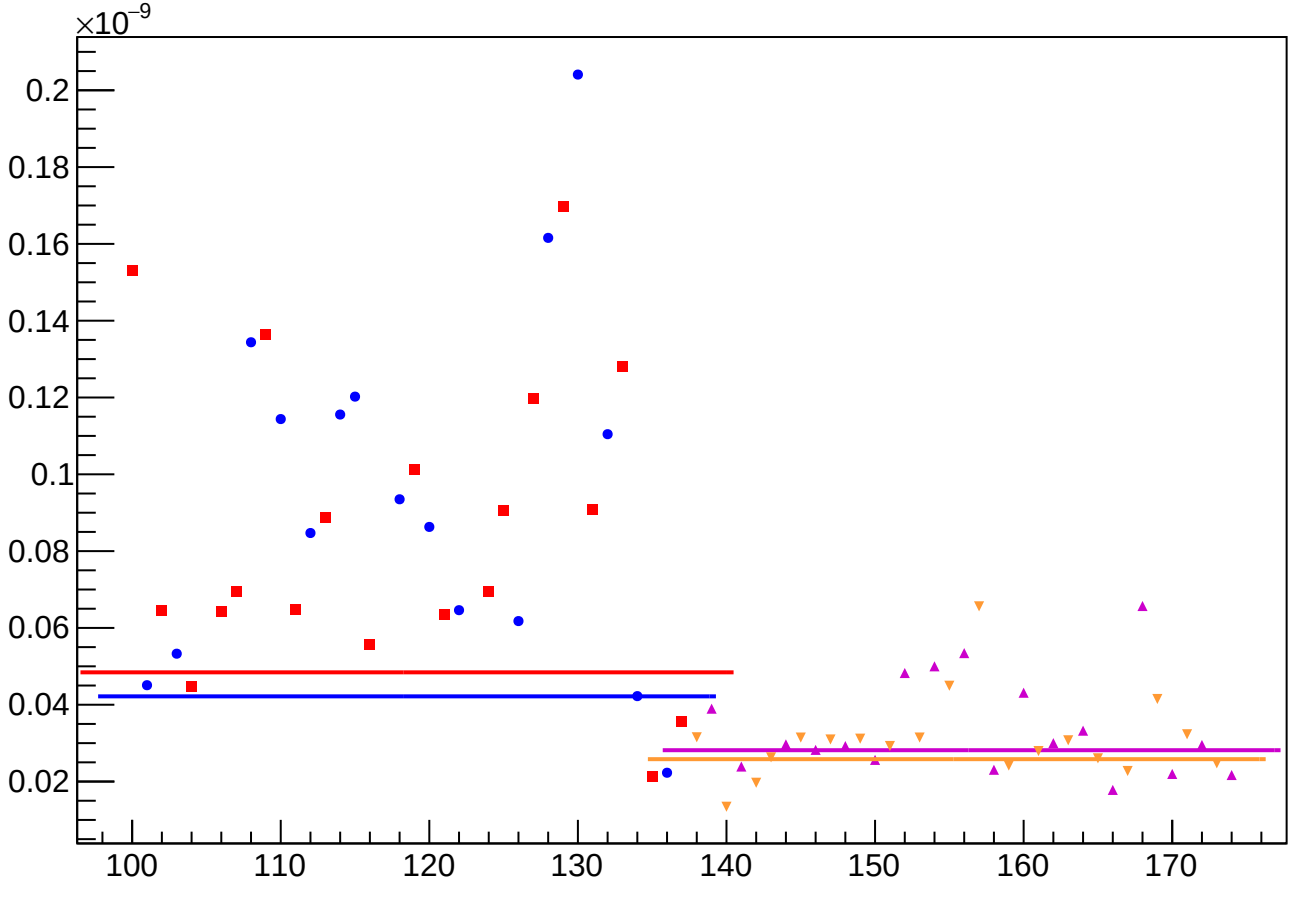
Left: 0.000+/-0.000 χ^2/NDF: 47.9/36

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

In: -0.000+/-0.000 χ^2/NDF:30.8/33

Out: 0.000+/-0.000 χ^2/NDF:56.4/37

All: -0.000+/-0.000 χ^2/NDF: 88.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 2933545.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1921689.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2604483.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1898089.1/17

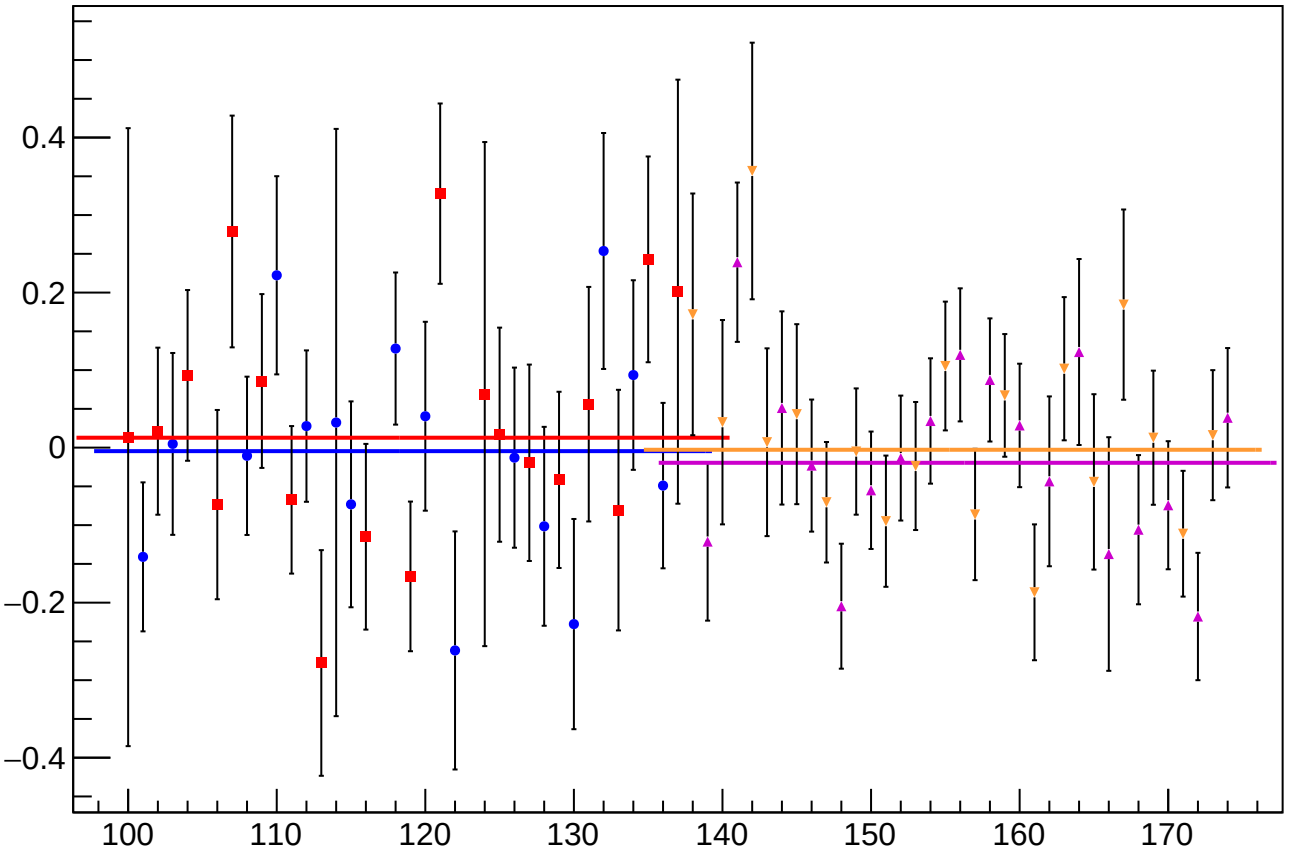
Left: 0.000+/-0.000 χ^2/NDF: 3884220.1/36

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

In: 0.000+/-0.000 χ^2/NDF:5409484.3/33

Out: 0.000+/-0.000 χ^2/NDF:5790891.4/37

All: 0.000+/-0.000 χ^2/NDF: 11254161.6/71



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.022 χ^2/NDF:21.7/18

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

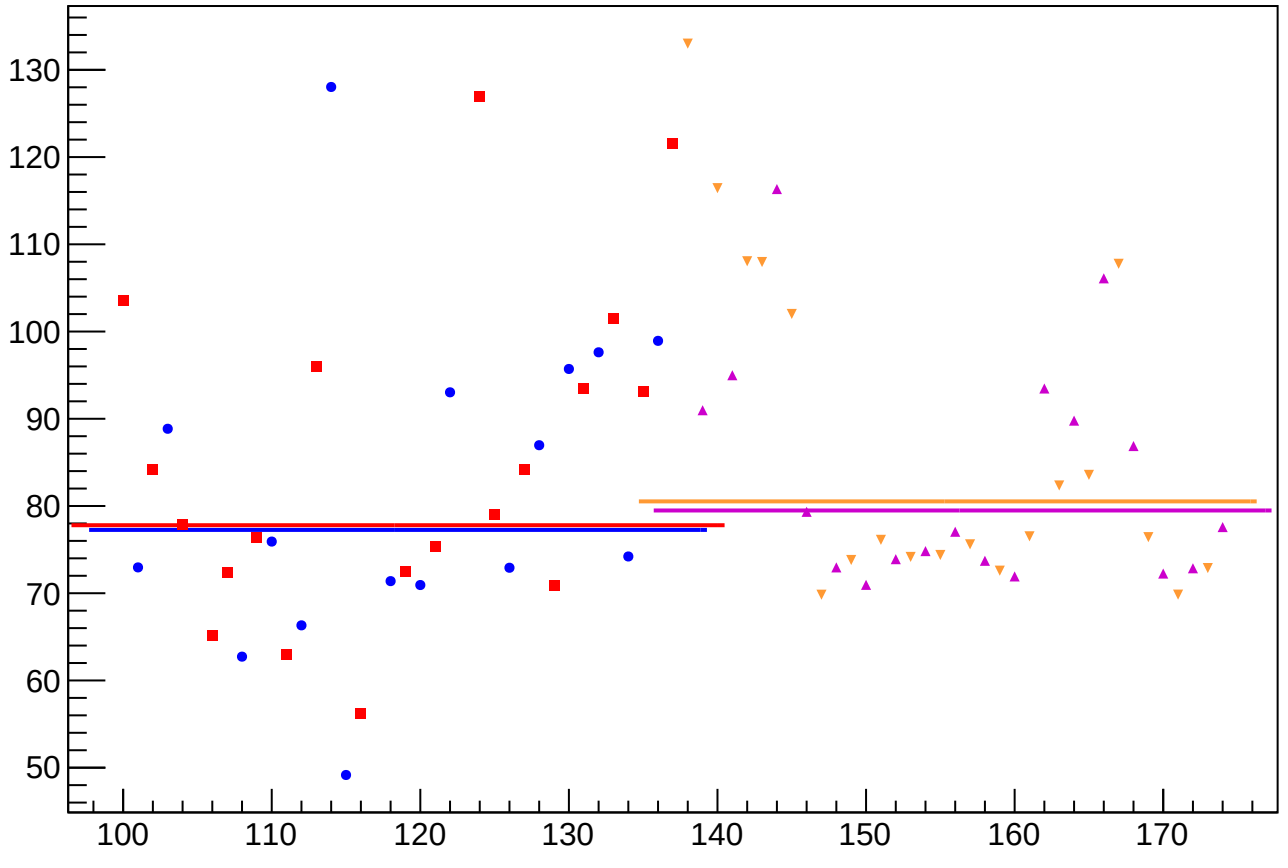
Left: -0.011+/-0.015 χ^2/NDF: 50.0/36

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.3/37

All: -0.006+/-0.012 χ^2/NDF: 93.2/71



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 80.528+/-0.015 χ^2/NDF:868963.6/18

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.486+/-0.015 χ^2/NDF:481323.1/17

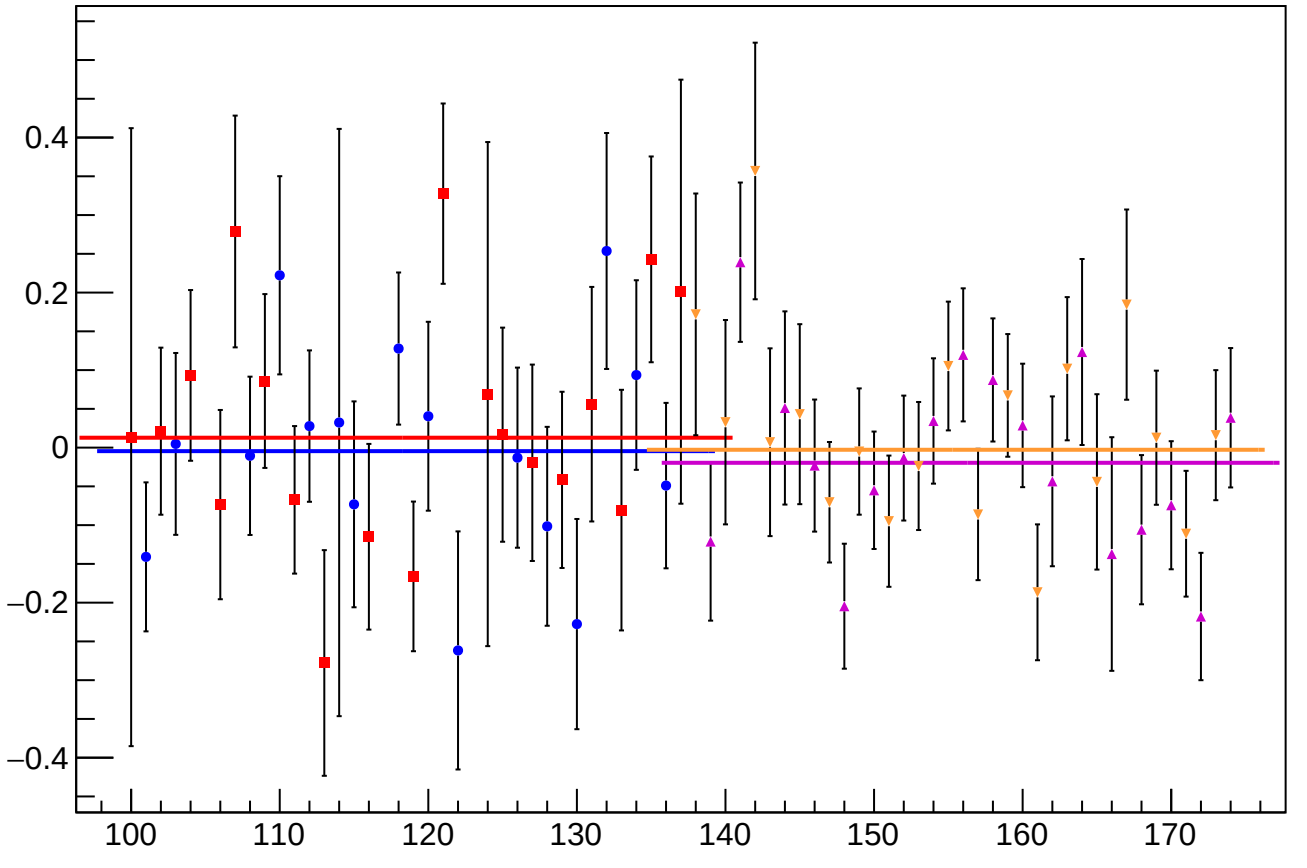
Left: 80.000+/-0.011 χ^2/NDF: 1352646.4/36

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

In: 78.741+/-0.012 χ^2/NDF:907927.3/33

Out: 79.584+/-0.012 χ^2/NDF:1276499.1/37

All: 79.160+/-0.009 χ^2/NDF: 2186766.8/71



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.022 χ^2/NDF:21.7/18

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

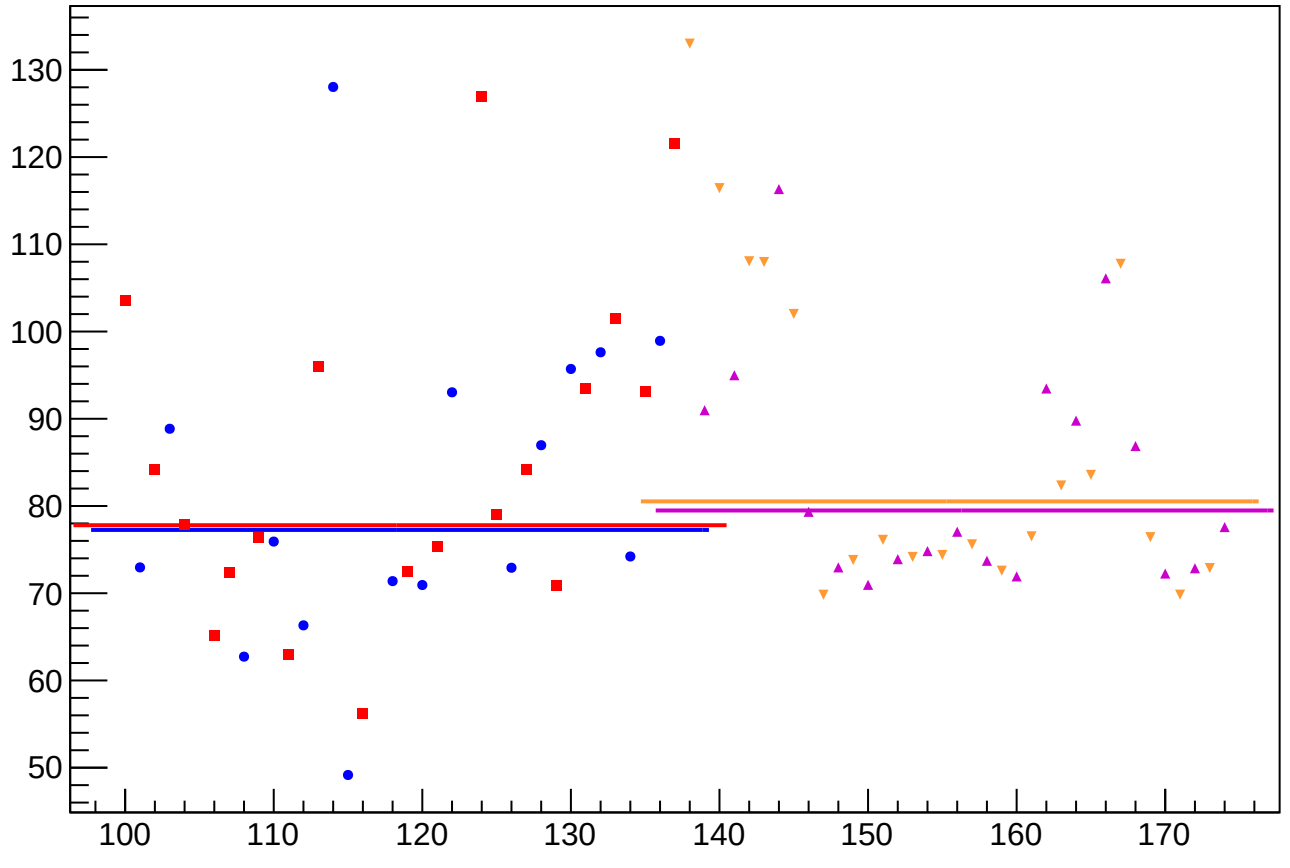
Left: -0.011+/-0.015 χ^2/NDF: 50.0/36

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.3/37

All: -0.006+/-0.012 χ^2/NDF: 93.2/71



Right In: 77.259+/-0.021 χ^2/NDF: 419290.2/15

Left Out: 80.528+/-0.015 χ^2/NDF:868963.6/18

Right Out: 77.796+/-0.021 χ^2/NDF: 396477.1/18

Left In: 79.486+/-0.015 χ^2/NDF:481323.1/17

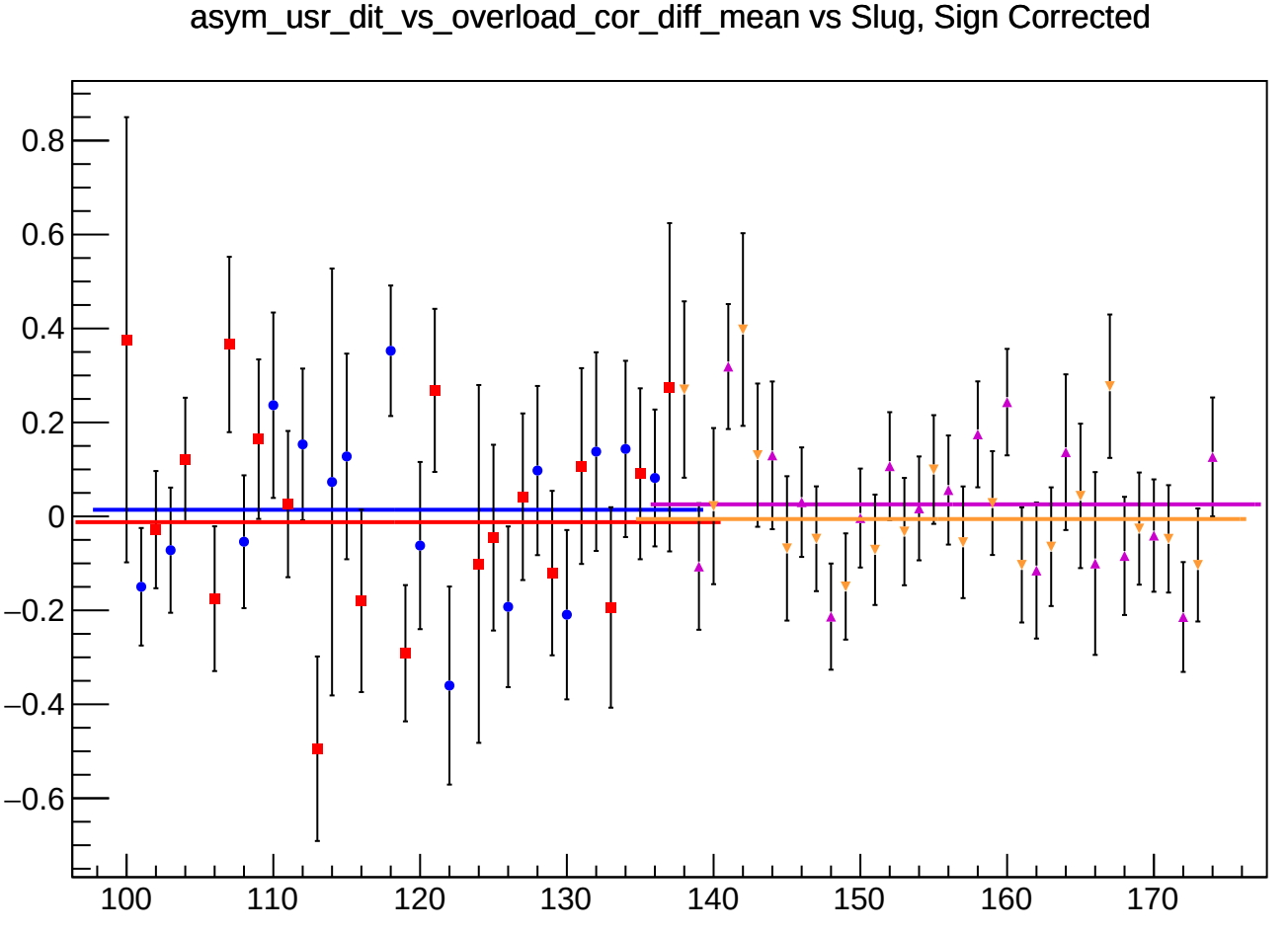
Left: 80.000+/-0.011 χ^2/NDF: 1352646.4/36

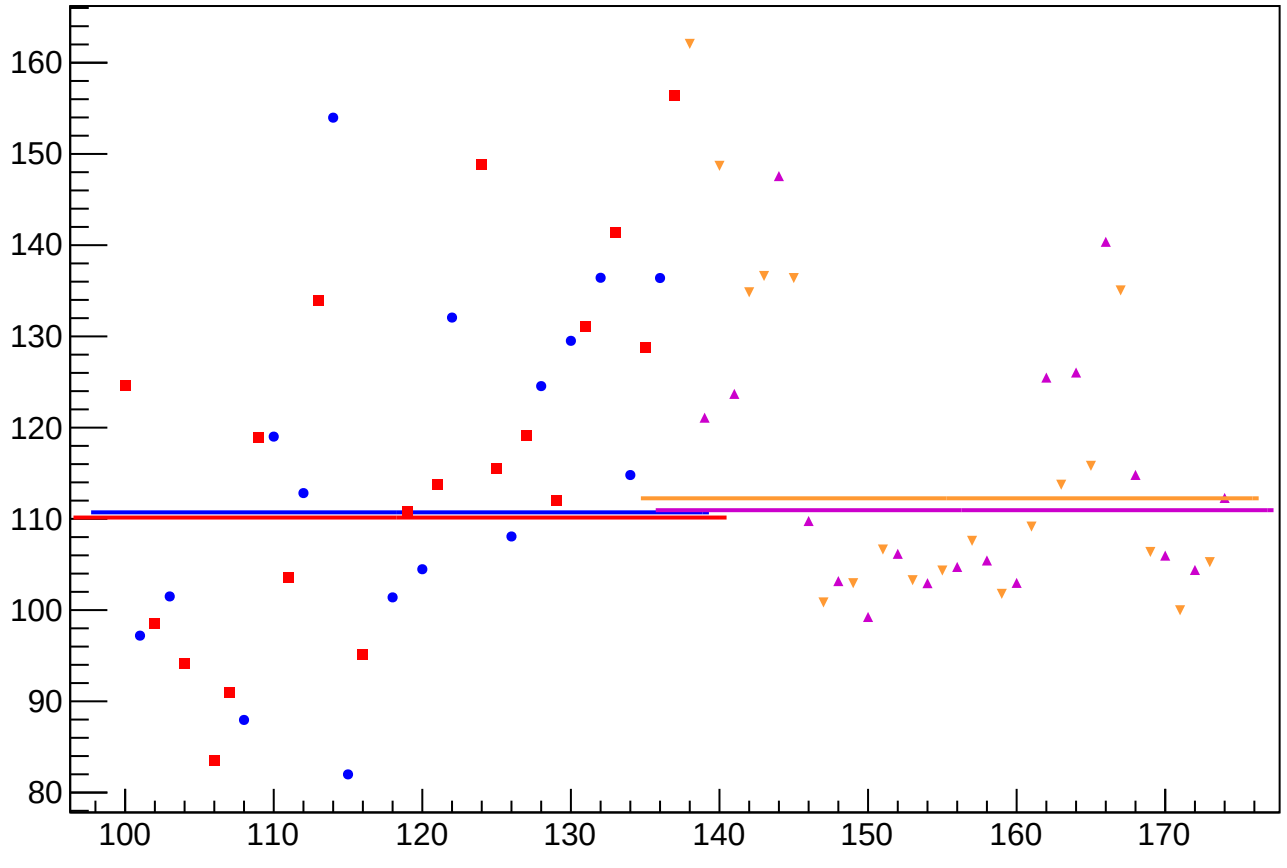
Right: 77.530+/-0.015 χ^2/NDF: 816090.7/34

In: 78.741+/-0.012 χ^2/NDF:907927.3/33

Out: 79.584+/-0.012 χ^2/NDF:1276499.1/37

All: 79.160+/-0.009 χ^2/NDF: 2186766.8/71


asym_usr_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
110
120
130
140
150
160
170
Right In: 0.014+/-0.042 χ²/NDF: 18.2/15
Left Out: -0.006+/-0.030 χ²/NDF:15.4/18
Right Out: -0.012+/-0.041 χ²/NDF: 23.8/18
Left In: 0.026+/-0.029 χ²/NDF:24.6/17
Left: 0.010+/-0.021 χ²/NDF: 40.6/36
Right: 0.001+/-0.030 χ²/NDF: 42.1/34
In: 0.022+/-0.024 χ²/NDF:42.8/33
Out: -0.008+/-0.024 χ²/NDF:39.2/37
All: 0.007+/-0.017 χ²/NDF: 82.8/71



Right In: 110.714+/-0.030 χ^2/NDF: 299972.8/15

Left Out: 112.253+/-0.021 χ^2/NDF:525398.5/18

Right Out: 110.145+/-0.029 χ^2/NDF: 326726.5/18

Left In: 110.951+/-0.021 χ^2/NDF:301262.9/17

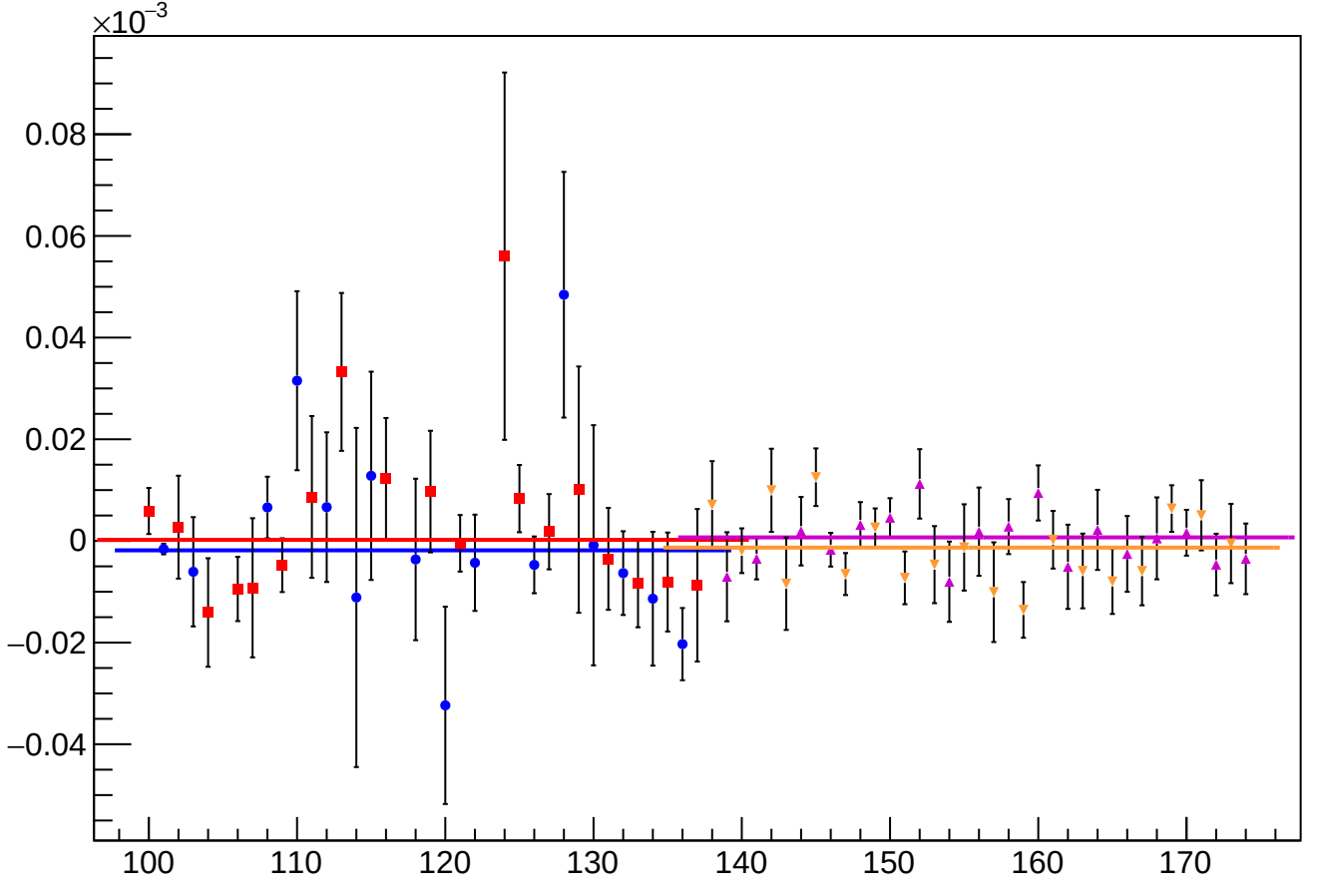
Left: 111.595+/-0.015 χ^2/NDF: 828613.2/36

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

In: 110.874+/-0.017 χ^2/NDF:601277.8/33

Out: 111.537+/-0.017 χ^2/NDF:855565.1/37

All: 111.206+/-0.012 χ^2/NDF: 1457600.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 21.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.0/17

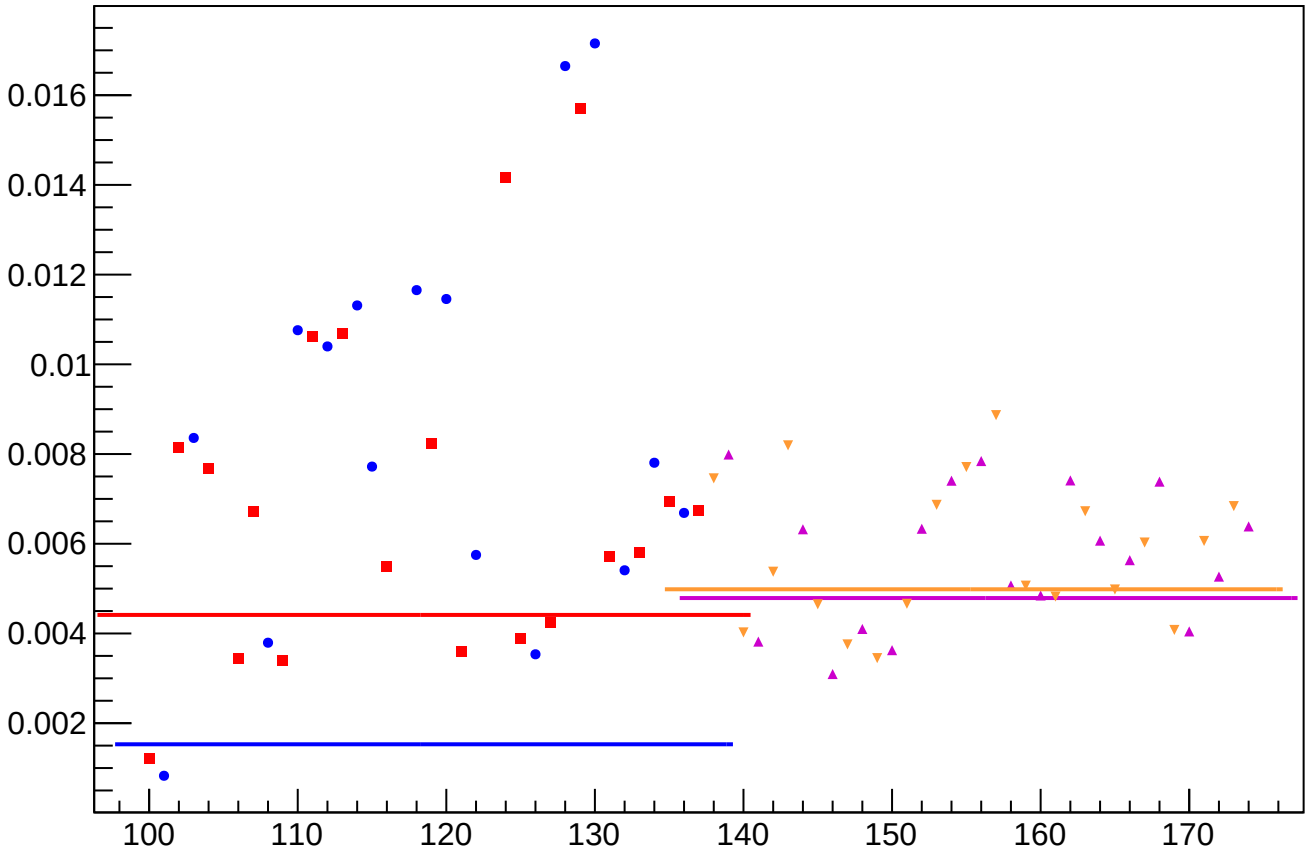
Left: -0.000+/-0.000 χ^2/NDF: 38.3/36

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

In: -0.000+/-0.000 χ^2/NDF:35.8/33

Out: -0.000+/-0.000 χ^2/NDF:45.4/37

All: -0.000+/-0.000 χ^2/NDF: 81.3/71



Right In: 0.002+/-0.000 χ^2/NDF: 9222940.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:2081587.8/18

Right Out: 0.004+/-0.000 χ^2/NDF: 3388069.5/18

Left In: 0.005+/-0.000 χ^2/NDF:2471155.5/17

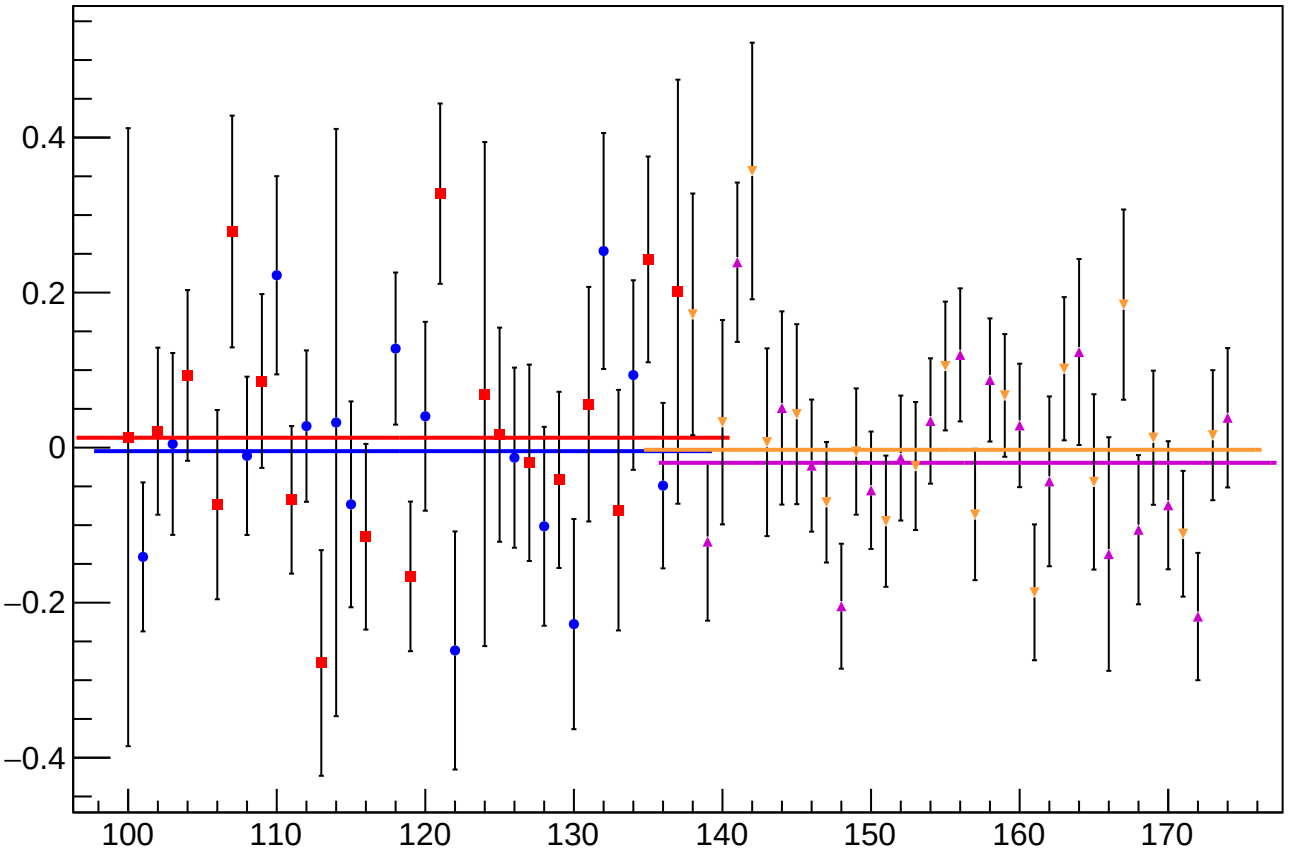
Left: 0.005+/-0.000 χ^2/NDF: 4574307.2/36

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

In: 0.003+/-0.000 χ^2/NDF:19691627.3/33

Out: 0.005+/-0.000 χ^2/NDF:5587578.1/37

All: 0.003+/-0.000 χ^2/NDF: 30107749.9/71



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.022 χ^2/NDF:21.7/18

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

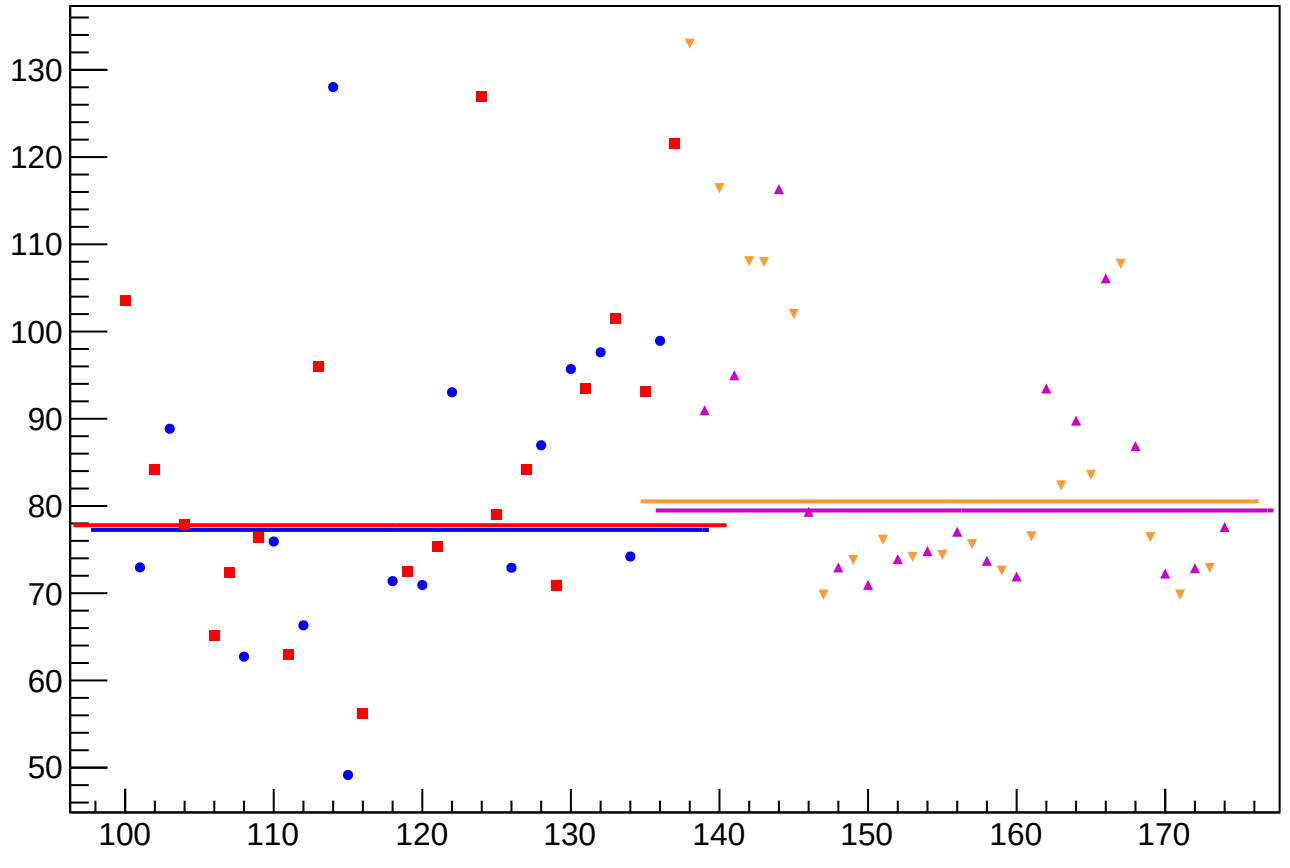
Left: -0.011+/-0.015 χ^2/NDF: 50.0/36

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.3/37

All: -0.006+/-0.012 χ^2/NDF: 93.2/71



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 80.529+/-0.015 χ^2/NDF:868964.9/18

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

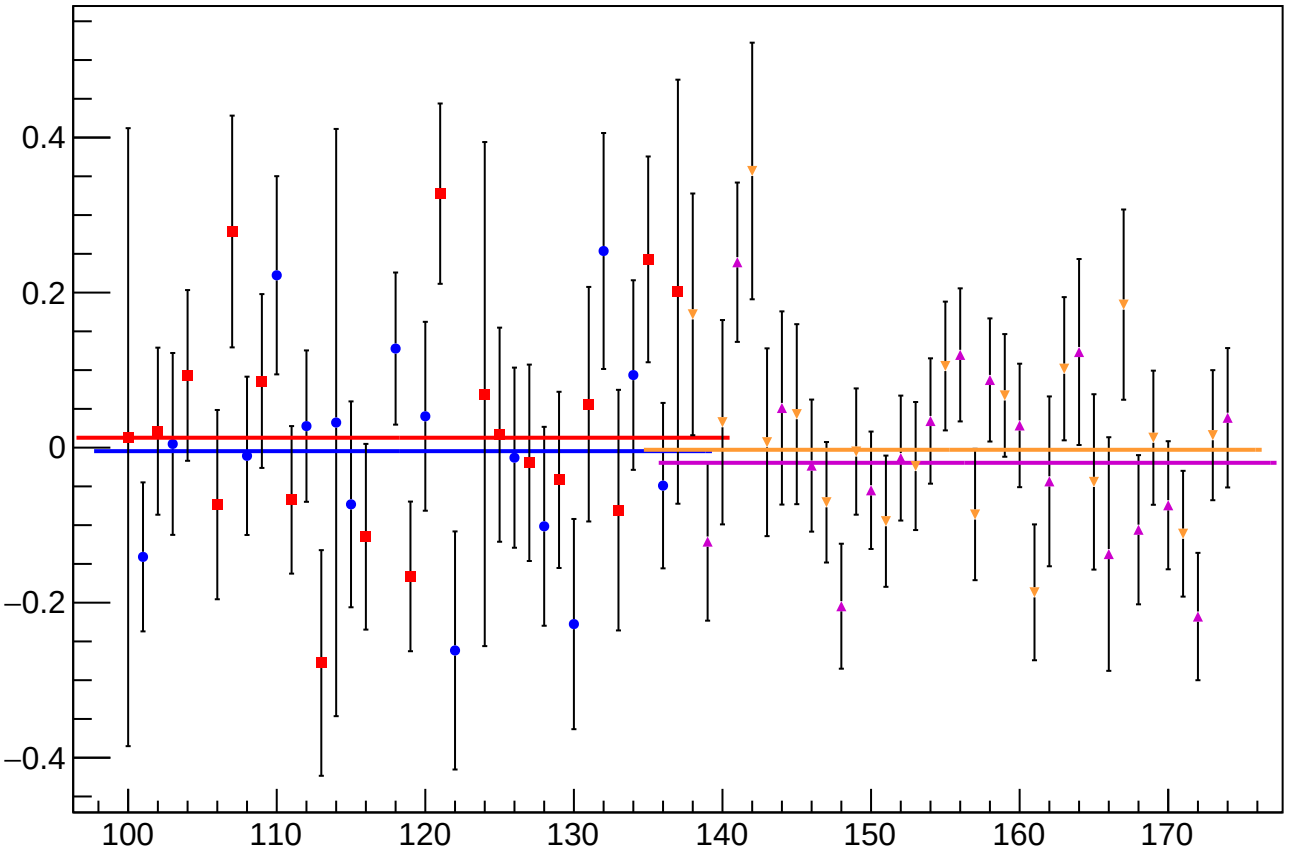
Left: 80.001+/-0.011 χ^2/NDF: 1352651.3/36

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

In: 78.741+/-0.012 χ^2/NDF:907930.9/33

Out: 79.584+/-0.012 χ^2/NDF:1276514.9/37

All: 79.160+/-0.009 χ^2/NDF: 2186786.3/71



Right In: -0.005+/-0.030 χ^2/NDF: 17.3/15

Left Out: -0.003+/-0.022 χ^2/NDF:21.7/18

Right Out: 0.013+/-0.030 χ^2/NDF: 25.5/18

Left In: -0.020+/-0.021 χ^2/NDF:28.0/17

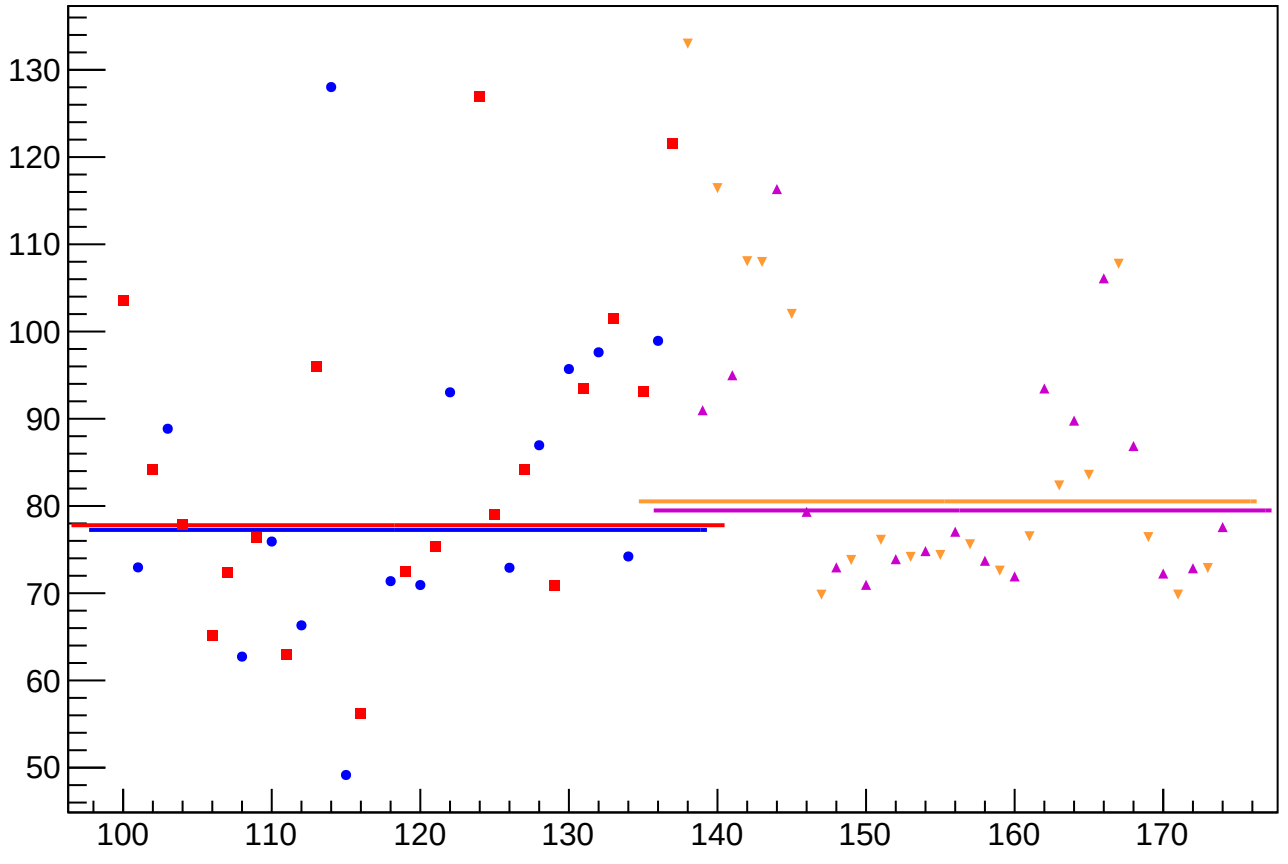
Left: -0.011+/-0.015 χ^2/NDF: 50.0/36

Right: 0.004+/-0.021 χ^2/NDF: 42.9/34

In: -0.015+/-0.017 χ^2/NDF:45.4/33

Out: 0.003+/-0.017 χ^2/NDF:47.3/37

All: -0.006+/-0.012 χ^2/NDF: 93.2/71



Right In: 77.257+/-0.021 χ^2/NDF: 419276.8/15

Left Out: 80.529+/-0.015 χ^2/NDF:868964.9/18

Right Out: 77.795+/-0.021 χ^2/NDF: 396473.9/18

Left In: 79.487+/-0.015 χ^2/NDF:481326.5/17

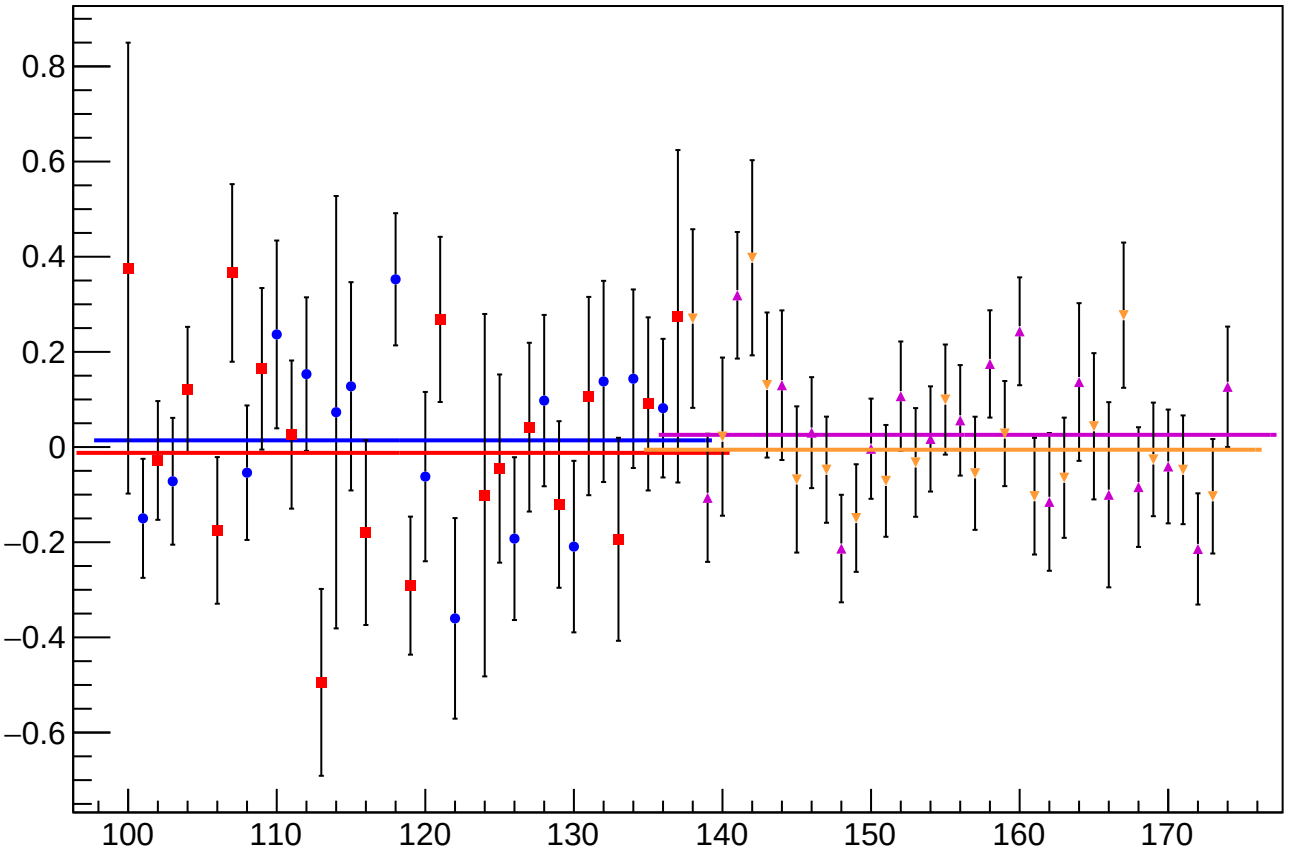
Left: 80.001+/-0.011 χ^2/NDF: 1352651.3/36

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

In: 78.741+/-0.012 χ^2/NDF:907930.9/33

Out: 79.584+/-0.012 χ^2/NDF:1276514.9/37

All: 79.160+/-0.009 χ^2/NDF: 2186786.3/71



Right In: 0.014+/-0.042 χ^2/NDF: 18.2/15

Left Out: -0.006+/-0.030 χ^2/NDF:15.4/18

Right Out: -0.012+/-0.041 χ^2/NDF: 23.8/18

Left In: 0.026+/-0.029 χ^2/NDF:24.6/17

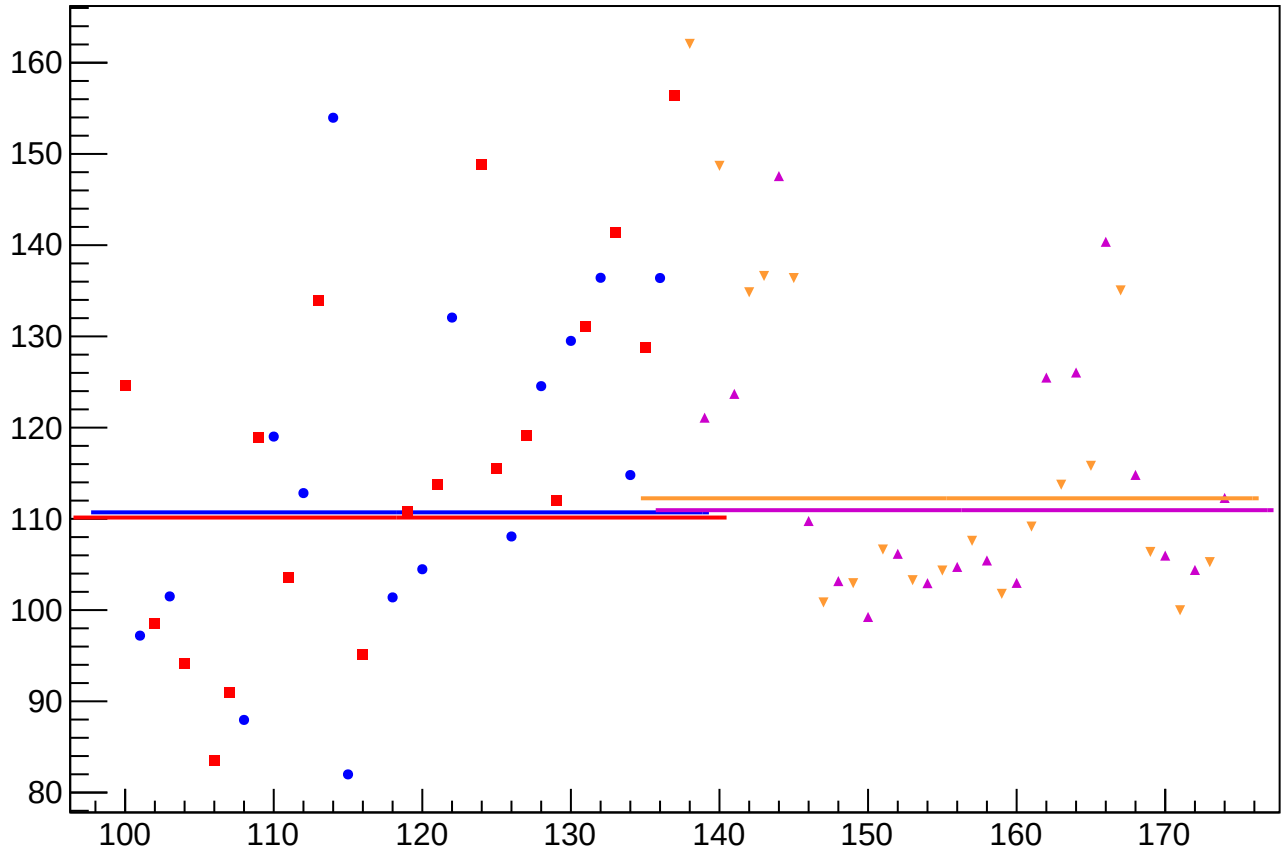
Left: 0.010+/-0.021 χ^2/NDF: 40.6/36

Right: 0.001+/-0.030 χ^2/NDF: 42.1/34

In: 0.022+/-0.024 χ^2/NDF:42.8/33

Out: -0.008+/-0.024 χ^2/NDF:39.2/37

All: 0.007+/-0.017 χ^2/NDF: 82.8/71



Right In: 110.714+/-0.030 χ^2/NDF: 299948.2/15

Left Out: 112.254+/-0.021 χ^2/NDF:525399.2/18

Right Out: 110.144+/-0.029 χ^2/NDF: 326696.7/18

Left In: 110.951+/-0.021 χ^2/NDF:301266.1/17

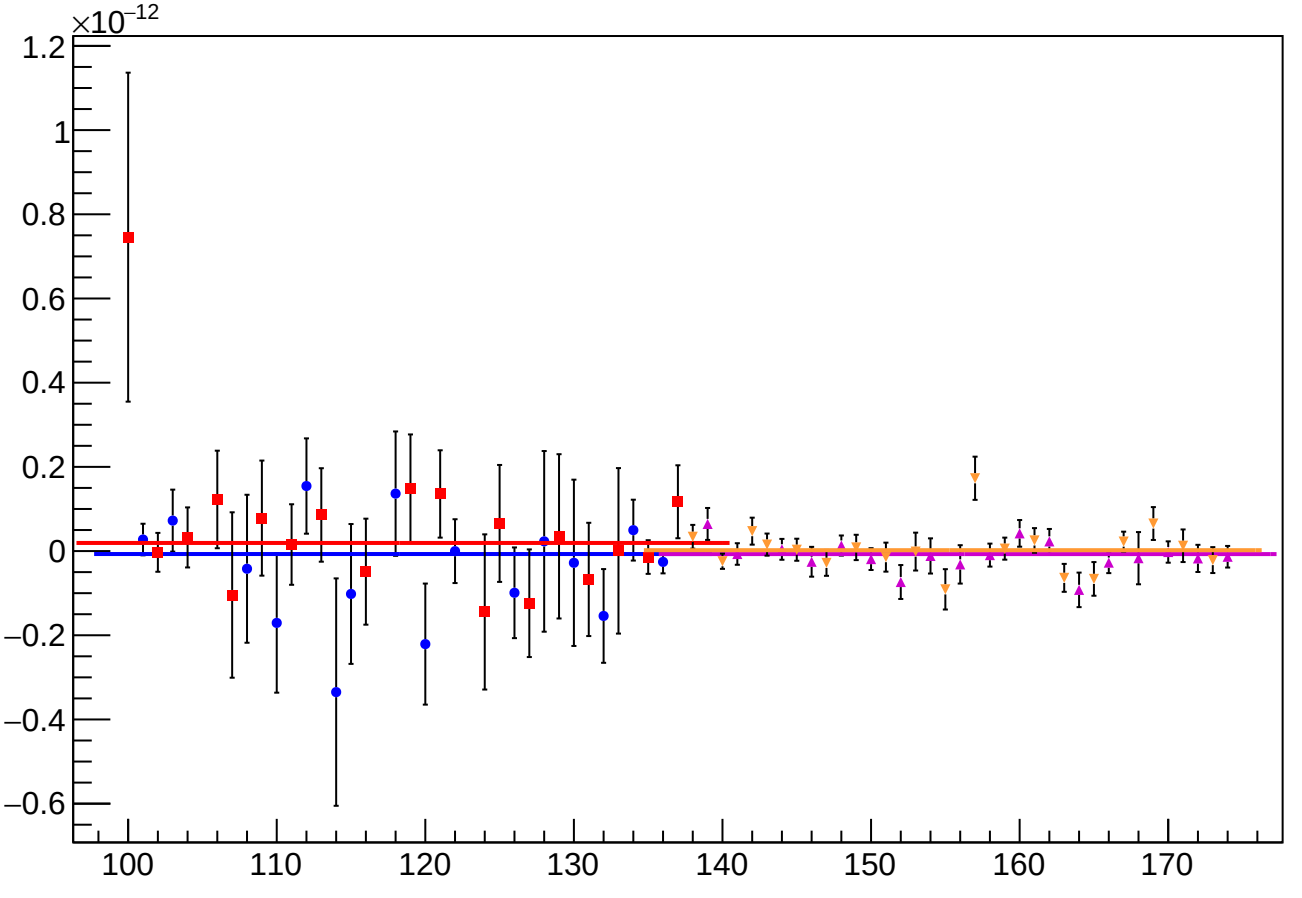
Left: 111.596+/-0.015 χ^2/NDF: 828617.3/36

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

In: 110.874+/-0.017 χ^2/NDF:601256.8/33

Out: 111.537+/-0.017 χ^2/NDF:855540.0/37

All: 111.206+/-0.012 χ^2/NDF: 1457554.9/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/17

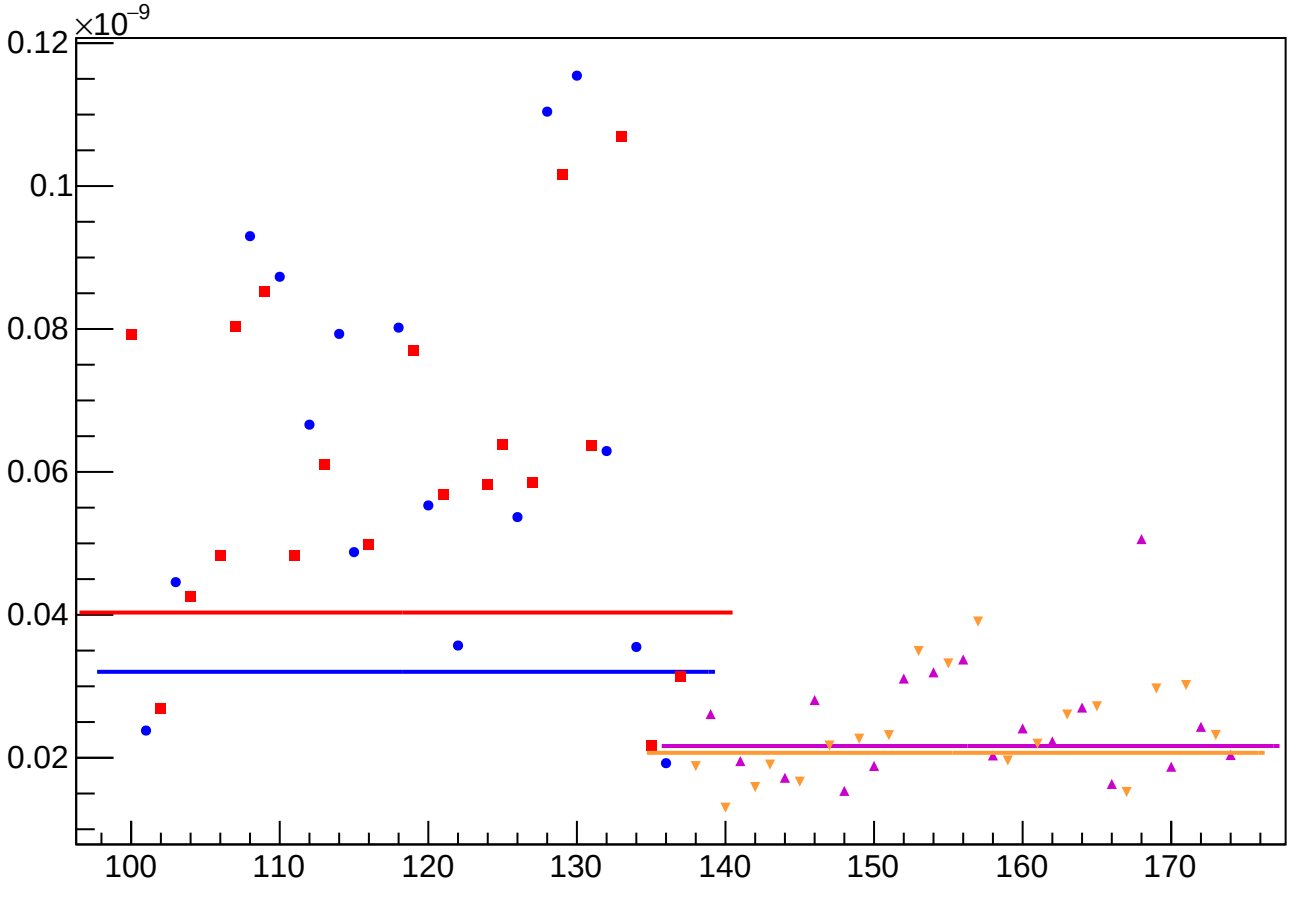
Left: -0.000+/-0.000 χ^2/NDF: 50.7/36

Right: 0.000+/-0.000 χ^2/NDF: 27.1/34

In: -0.000+/-0.000 χ^2/NDF:30.2/33

Out: 0.000+/-0.000 χ^2/NDF:46.4/37

All: -0.000+/-0.000 χ^2/NDF: 78.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 2459312.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1541570.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1866332.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1328507.7/17

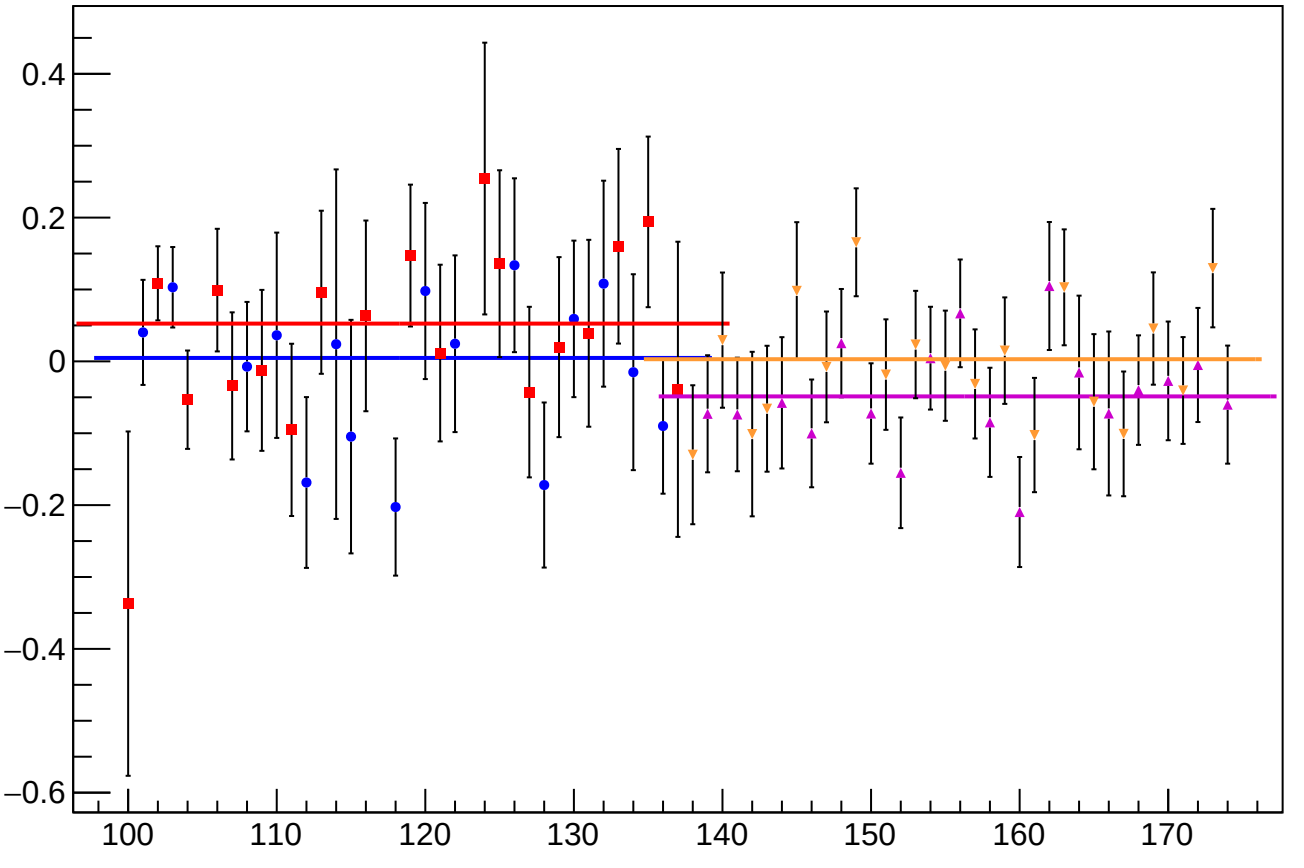
Left: 0.000+/-0.000 χ^2/NDF: 2888364.9/36

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

In: 0.000+/-0.000 χ^2/NDF:4367073.9/33

Out: 0.000+/-0.000 χ^2/NDF:4967553.6/37

All: 0.000+/-0.000 χ^2/NDF: 9339759.5/71



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.019 χ^2/NDF:17.7/18

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.049+/-0.019 χ^2/NDF:14.8/17

Left: -0.023+/-0.013 χ^2/NDF: 36.2/36

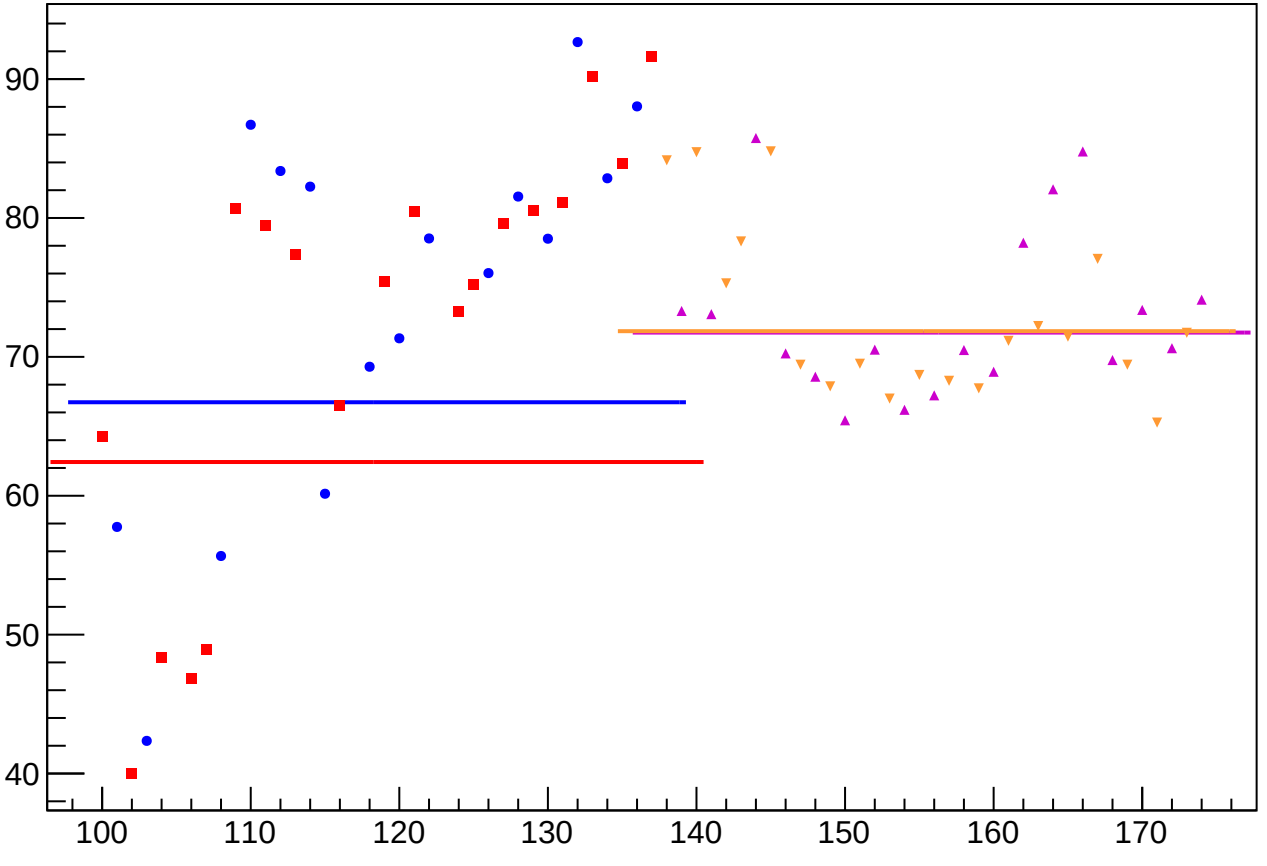
Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.015 χ^2/NDF:34.1/33

Out: 0.022+/-0.015 χ^2/NDF:35.1/37

All: -0.003+/-0.011 χ^2/NDF: 75.2/71

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.849+/-0.013 χ^2/NDF:176223.9/18

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.749+/-0.013 χ^2/NDF:151738.9/17

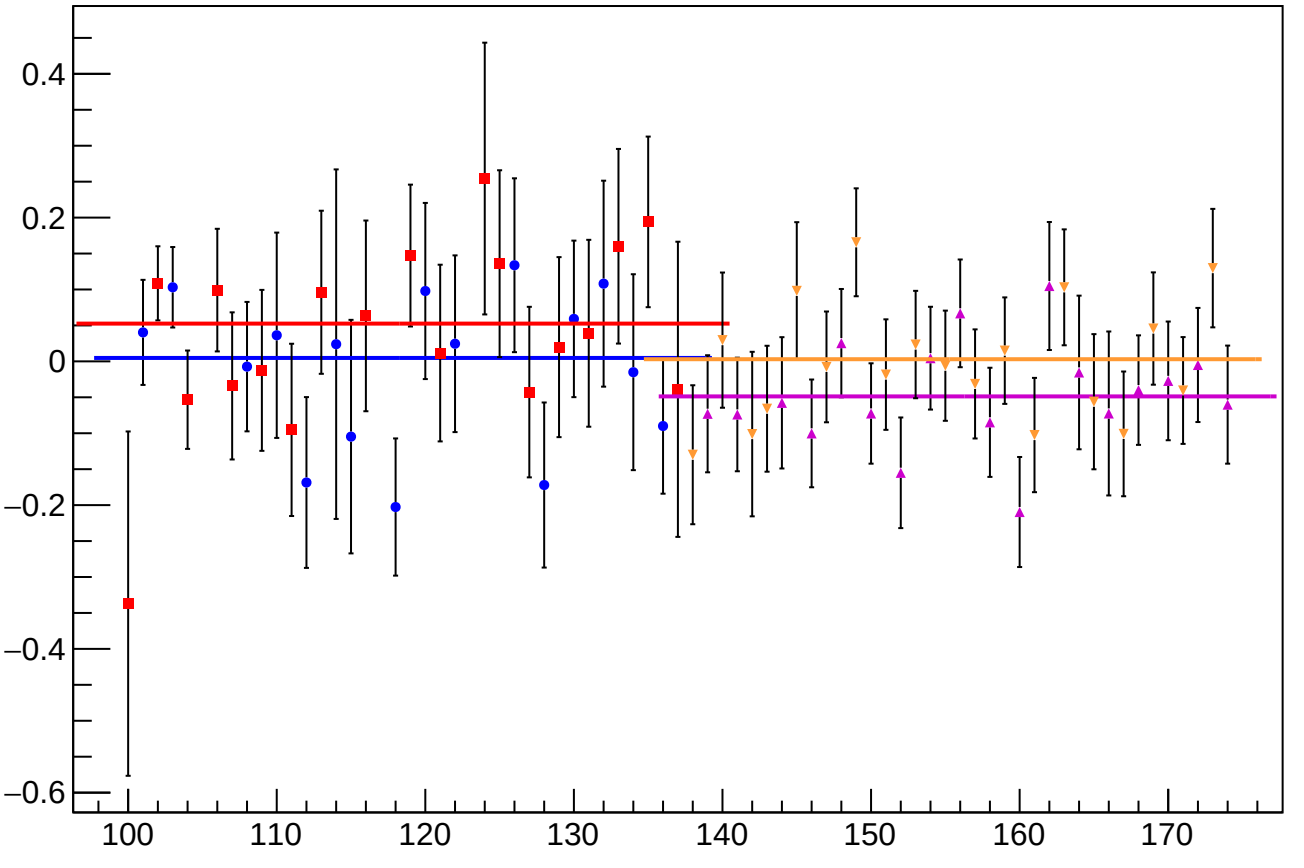
Left: 71.799+/-0.009 χ^2/NDF: 327991.0/36

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.003+/-0.011 χ^2/NDF:1017420.5/33

Out: 68.266+/-0.011 χ^2/NDF:1479815.0/37

All: 69.110+/-0.008 χ^2/NDF: 2510532.0/71



Right In: 0.005+/-0.026 χ^2/NDF: 16.6/15

Left Out: 0.003+/-0.019 χ^2/NDF:17.7/18

Right Out: 0.053+/-0.024 χ^2/NDF: 14.8/18

Left In: -0.049+/-0.019 χ^2/NDF:14.8/17

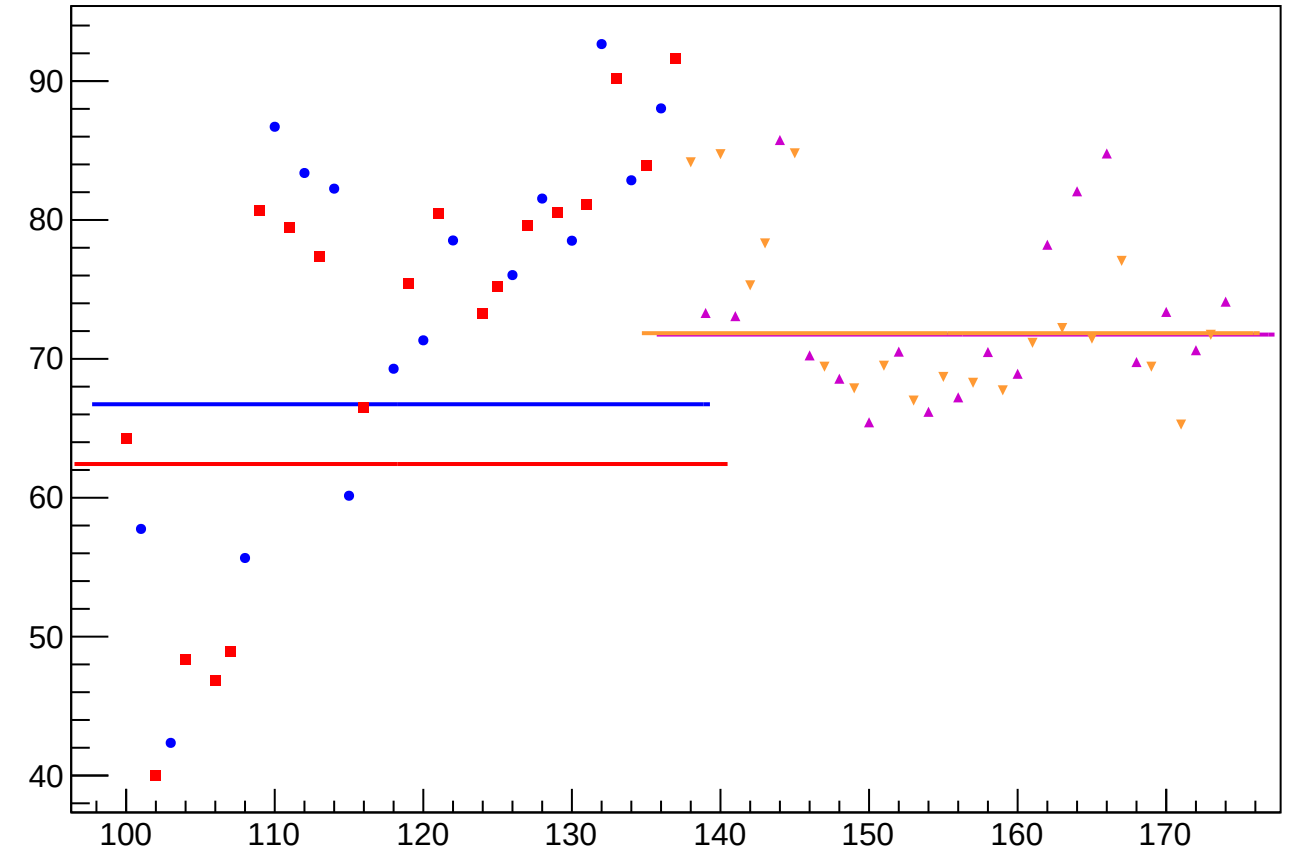
Left: -0.023+/-0.013 χ^2/NDF: 36.2/36

Right: 0.030+/-0.018 χ^2/NDF: 33.2/34

In: -0.030+/-0.015 χ^2/NDF:34.1/33

Out: 0.022+/-0.015 χ^2/NDF:35.1/37

All: -0.003+/-0.011 χ^2/NDF: 75.2/71



Right In: 66.732+/-0.018 χ^2/NDF: 816752.6/15

Left Out: 71.849+/-0.013 χ^2/NDF:176223.9/18

Right Out: 62.429+/-0.017 χ^2/NDF: 1114078.0/18

Left In: 71.749+/-0.013 χ^2/NDF:151738.9/17

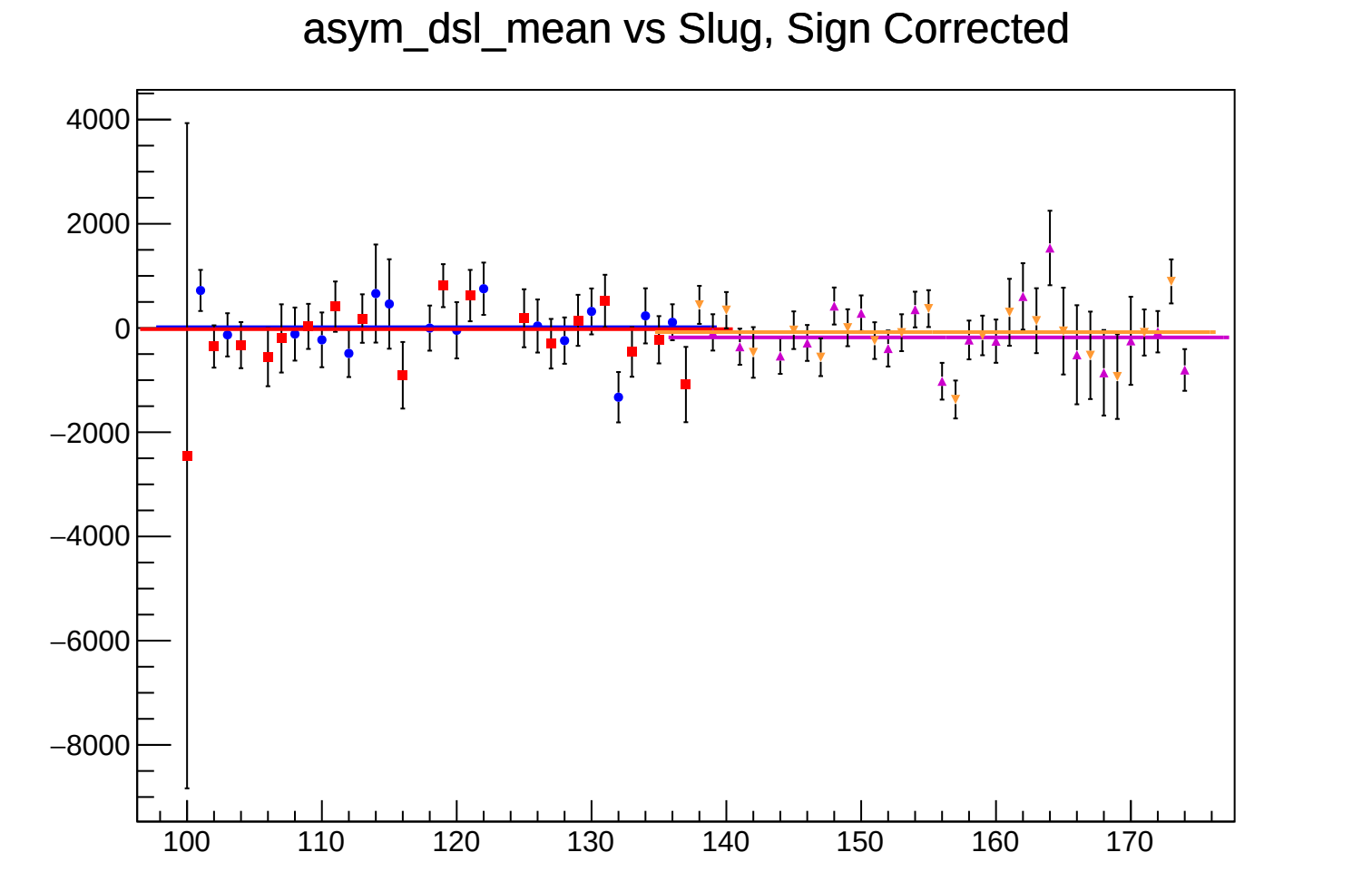
Left: 71.799+/-0.009 χ^2/NDF: 327991.0/36

Right: 64.425+/-0.012 χ^2/NDF: 1960436.9/34

In: 70.003+/-0.011 χ^2/NDF:1017420.5/33

Out: 68.266+/-0.011 χ^2/NDF:1479815.0/37

All: 69.110+/-0.008 χ^2/NDF: 2510532.0/71



Right In: 15.517+/-119.431 χ^2/NDF: 16.5/15

Left Out: -78.543+/-99.090 χ^2/NDF:27.7/17

Right Out: -22.145+/-119.211 χ^2/NDF: 16.0/17

Left In: -180.122+/-95.856 χ^2/NDF:25.4/17

Left: -131.018+/-68.895 χ^2/NDF: 53.6/35

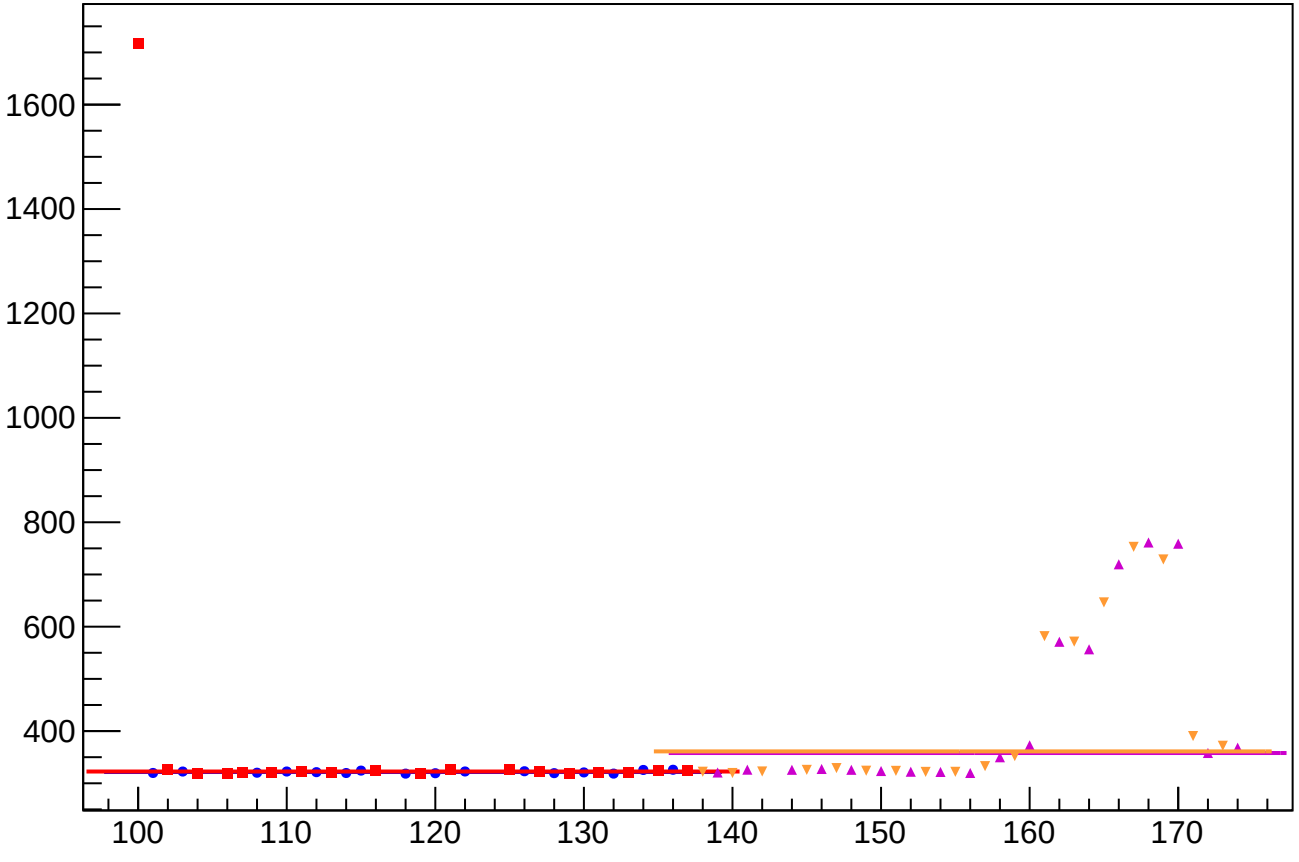
Right: -3.348+/-84.373 χ^2/NDF: 32.6/33

In: -103.473+/-74.756 χ^2/NDF:43.6/33

Out: -55.499+/-76.203 χ^2/NDF:43.8/35

All: -79.945+/-53.364 χ^2/NDF: 87.5/69

asym_dsl_rms vs Slug, Sign Corrected



Right In: 321.604+/-0.084 χ^2/NDF: 822.9/15

Left Out: 361.111+/-0.070 χ^2/NDF:1758908.5/17

Right Out: 322.553+/-0.084 χ^2/NDF: 96891.9/17

Left In: 357.990+/-0.068 χ^2/NDF:1781846.4/17

Left: 359.499+/-0.049 χ^2/NDF: 3541780.3/35

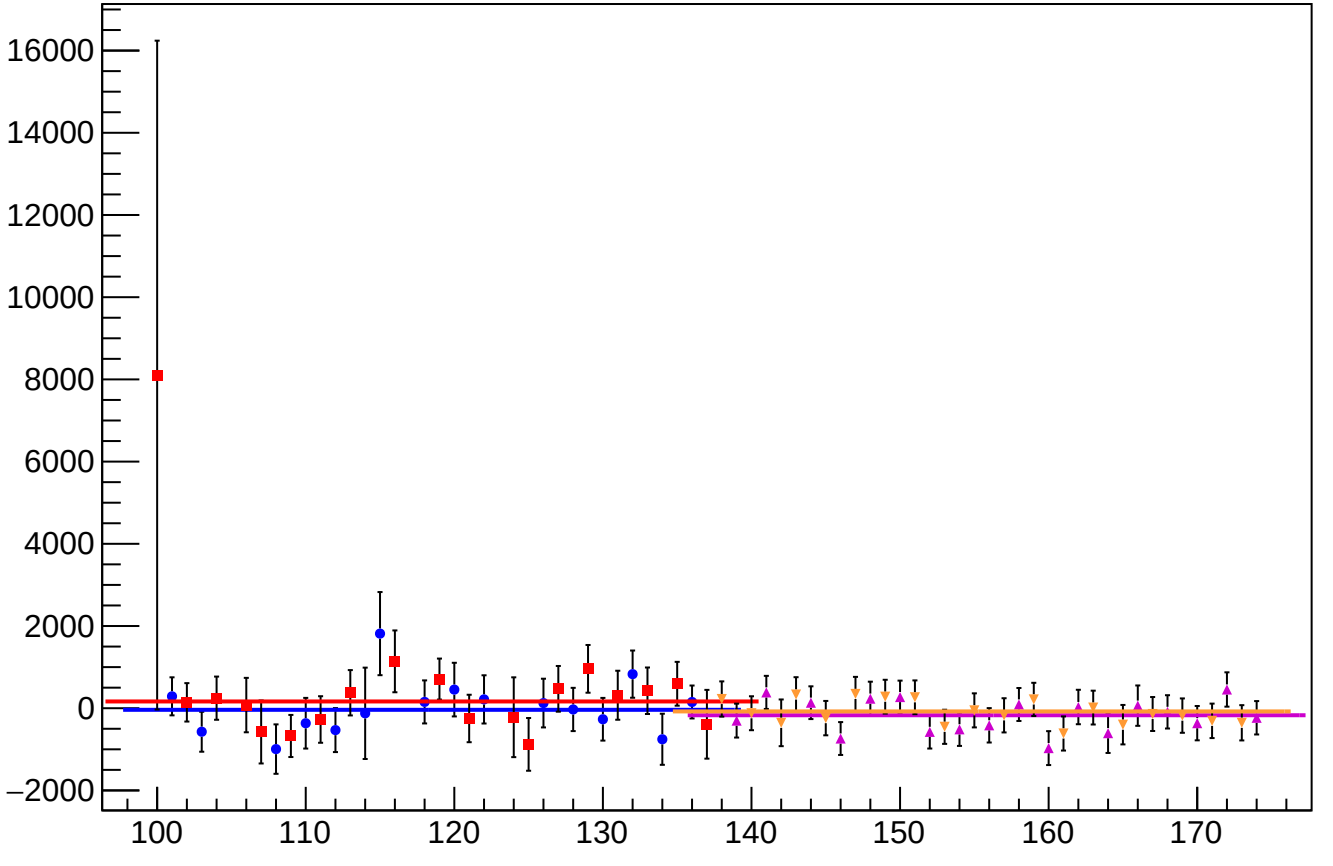
Right: 322.079+/-0.060 χ^2/NDF: 97778.0/33

In: 343.734+/-0.053 χ^2/NDF:1895573.1/33

Out: 345.356+/-0.054 χ^2/NDF:1979540.3/35

All: 344.529+/-0.038 χ^2/NDF: 3875575.2/69

asym_dsr_mean vs Slug, Sign Corrected



Right In: -38.914+/-140.720 χ^2/NDF: 13.7/15

Left Out: -77.659+/-97.293 χ^2/NDF:8.7/18

Right Out: 164.639+/-138.962 χ^2/NDF: 15.1/18

Left In: -170.857+/-97.815 χ^2/NDF:16.8/17

Left: -124.009+/-68.980 χ^2/NDF: 26.0/36

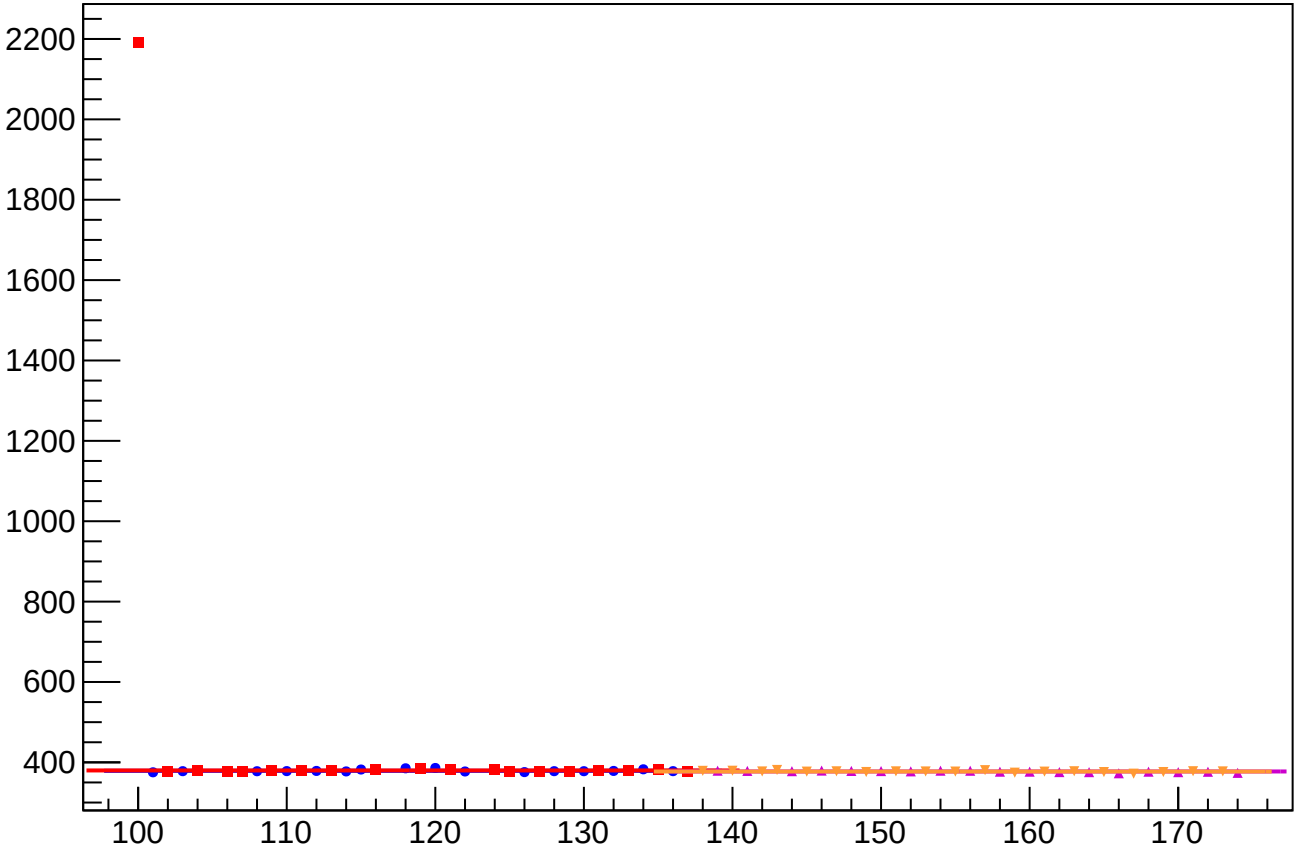
Right: 64.141+/-98.877 χ^2/NDF: 29.9/34

In: -127.875+/-80.317 χ^2/NDF:31.1/33

Out: 2.044+/-79.700 χ^2/NDF:25.9/37

All: -62.414+/-56.573 χ^2/NDF: 58.3/71

asym_dsr_rms vs Slug, Sign Corrected



Right In: 378.910+/-0.100 χ^2/NDF: 851.2/15

Left Out: 377.230+/-0.069 χ^2/NDF:882.7/18

Right Out: 379.878+/-0.098 χ^2/NDF: 99621.5/18

Left In: 377.327+/-0.069 χ^2/NDF:663.6/17

Left: 377.279+/-0.049 χ^2/NDF: 1547.3/36

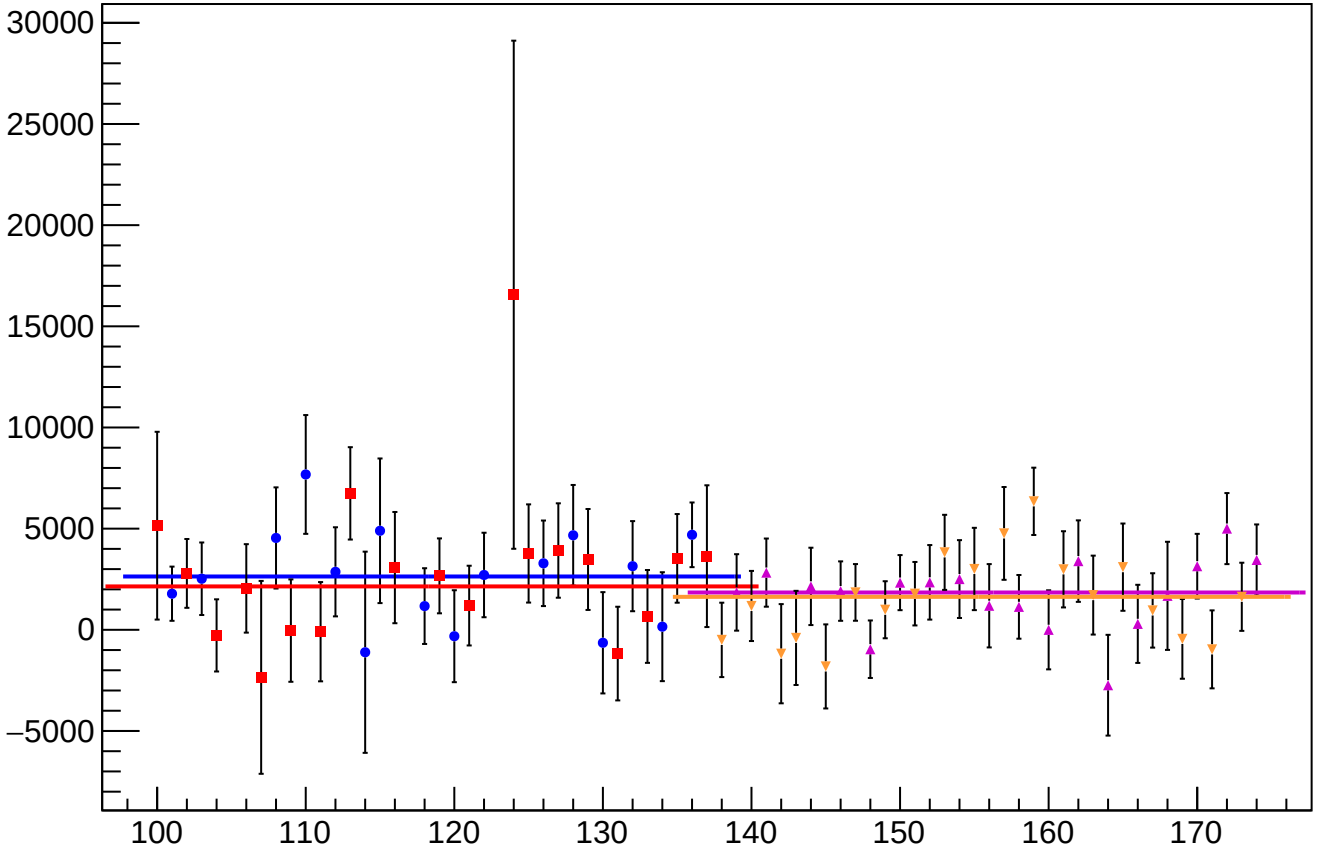
Right: 379.400+/-0.070 χ^2/NDF: 100520.6/34

In: 377.843+/-0.057 χ^2/NDF:1685.4/33

Out: 378.101+/-0.056 χ^2/NDF:100991.4/37

All: 377.973+/-0.040 χ^2/NDF: 102687.2/71

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1629.128+/-420.700 χ^2/NDF:22.3/18

Right Out: 2144.569+/-546.963 χ^2/NDF: 15.0/18

Left In: 1844.209+/-417.885 χ^2/NDF:15.1/17

Left: 1737.391+/-296.480 χ^2/NDF: 37.6/36

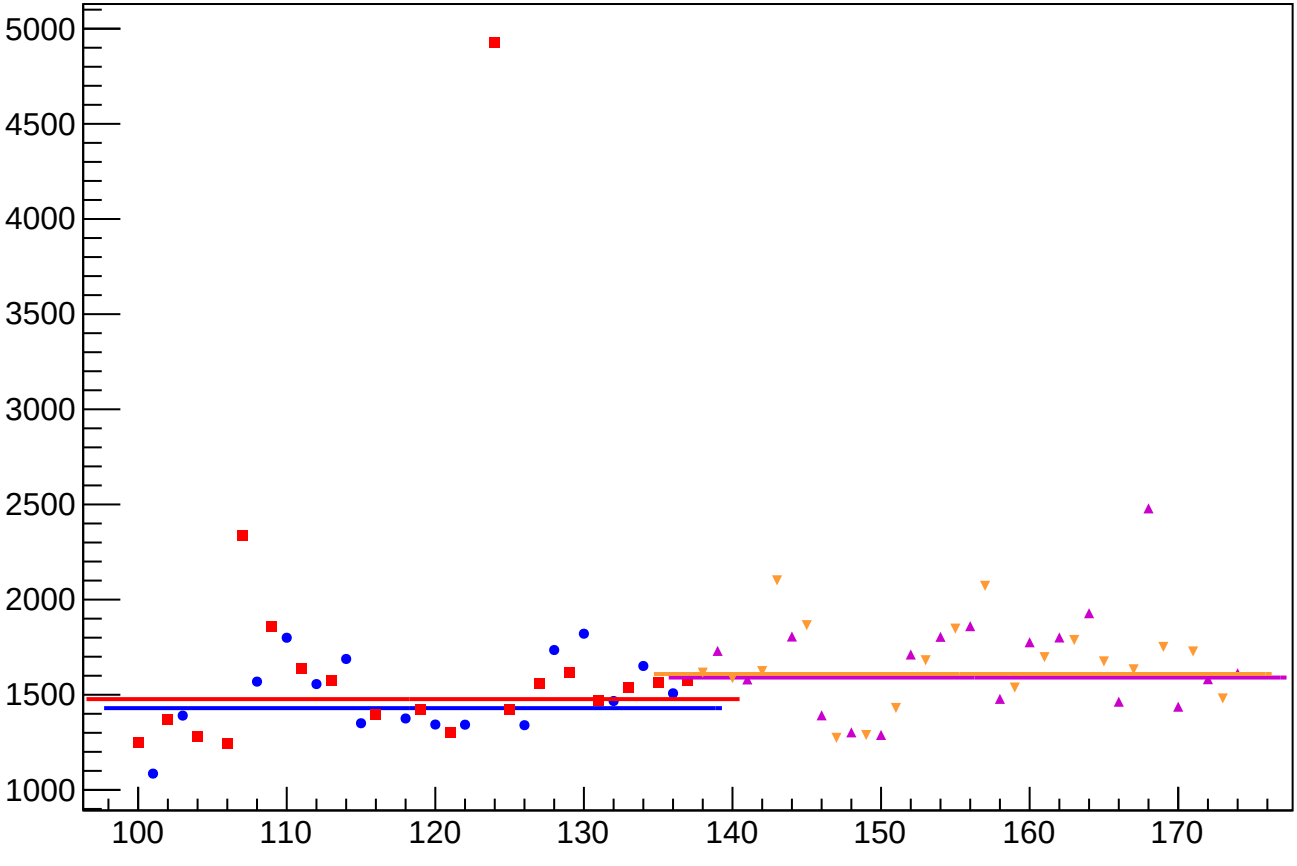
Right: 2394.022+/-383.566 χ^2/NDF: 27.7/34

In: 2141.906+/-330.033 χ^2/NDF:28.8/33

Out: 1820.718+/-333.469 χ^2/NDF:37.9/37

All: 1982.975+/-234.574 χ^2/NDF: 67.1/71

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1609.124+/-0.297 χ^2/NDF:533340.4/18

Right Out: 1477.126+/-0.387 χ^2/NDF: 369430.6/18

Left In: 1590.423+/-0.295 χ^2/NDF:656615.3/17

Left: 1599.711+/-0.210 χ^2/NDF: 1191945.0/36

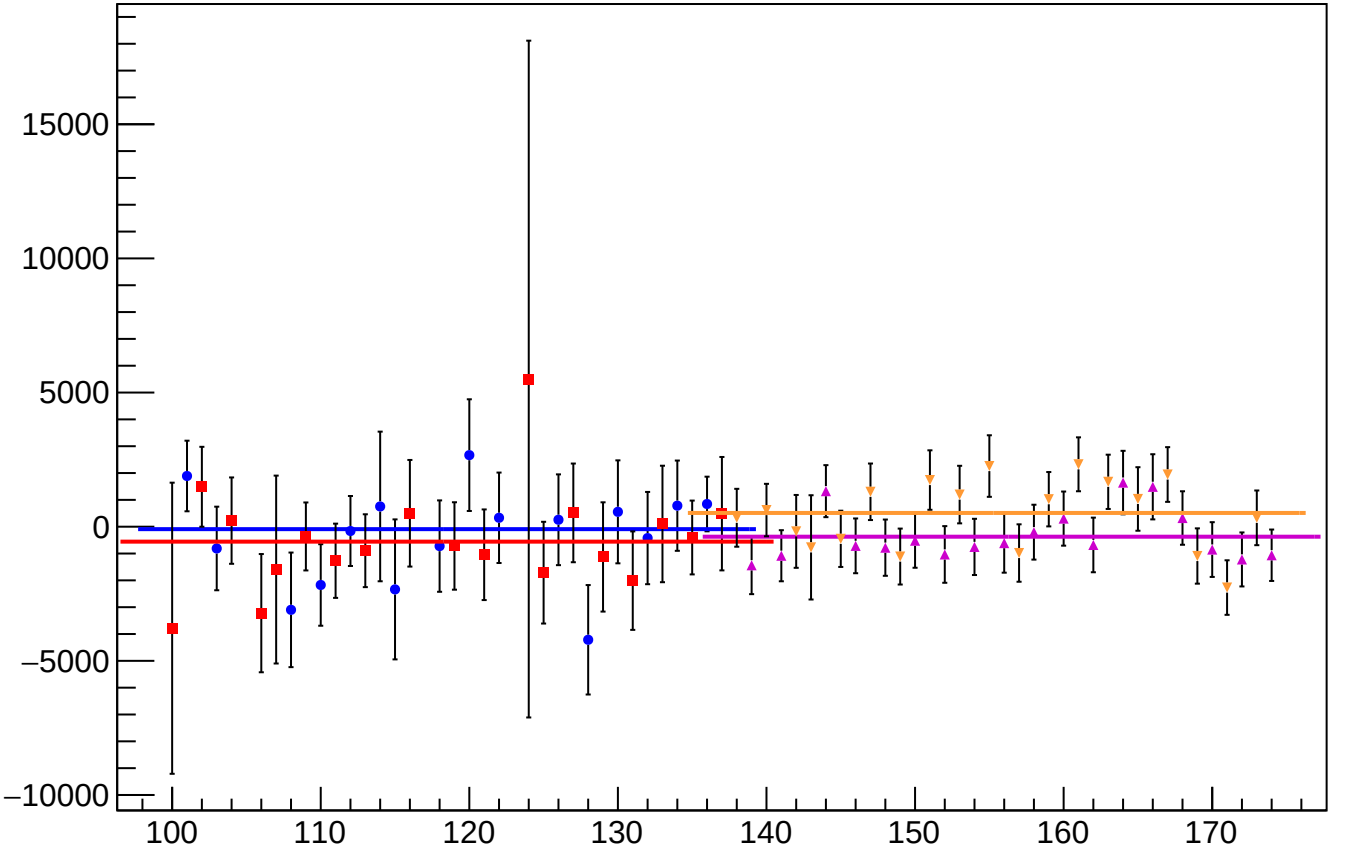
Right: 1452.999+/-0.271 χ^2/NDF: 670475.8/34

In: 1529.931+/-0.233 χ^2/NDF:1061386.5/33

Out: 1560.060+/-0.236 χ^2/NDF:975955.2/37

All: 1544.840+/-0.166 χ^2/NDF: 2045589.3/71

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 512.539+/-248.084 χ^2/NDF:27.4/18

Right Out: -556.840+/-411.346 χ^2/NDF: 6.8/18

Left In: -372.694+/-243.588 χ^2/NDF:13.2/17

Left: 61.829+/-173.810 χ^2/NDF: 47.1/36

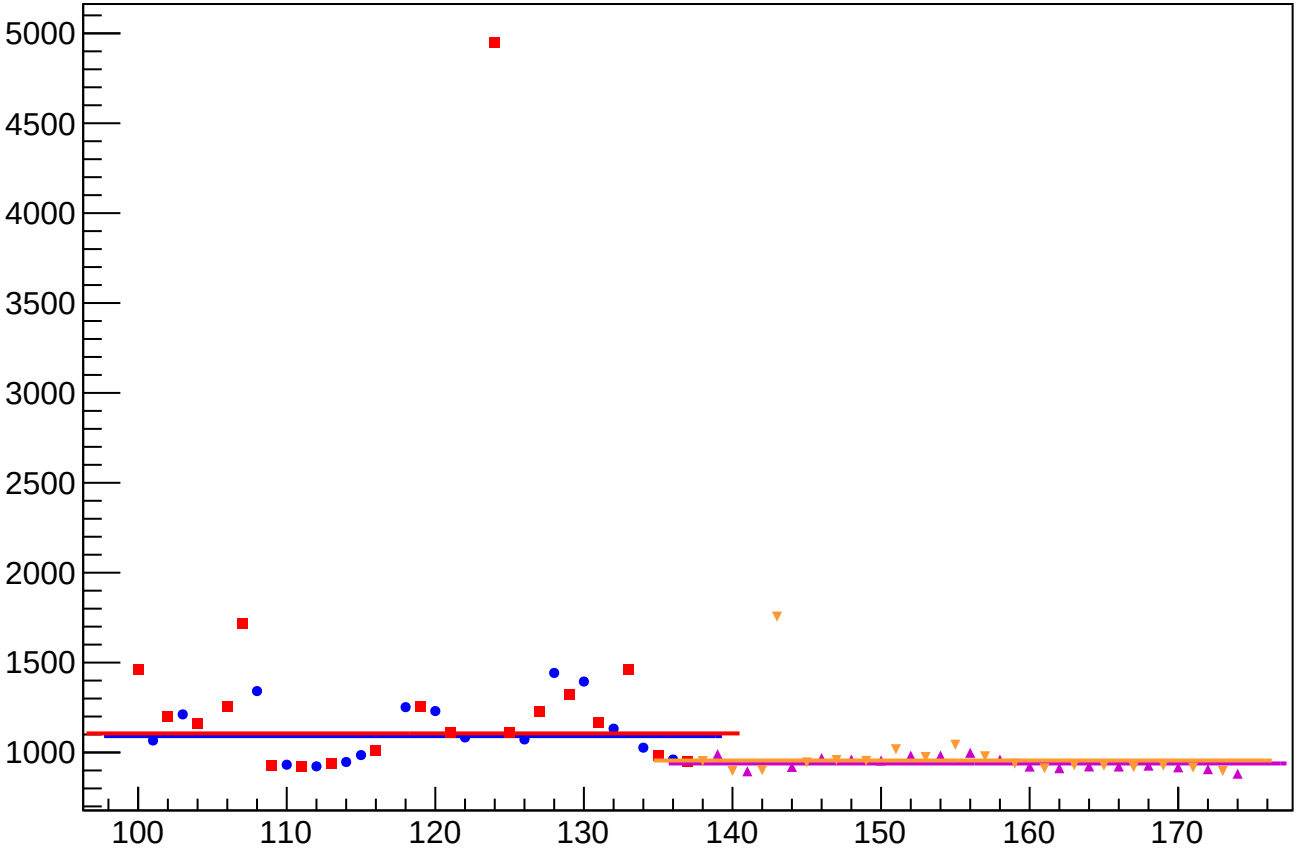
Right: -323.285+/-290.373 χ^2/NDF: 21.9/34

In: -299.272+/-209.411 χ^2/NDF:28.1/33

Out: 227.316+/-212.439 χ^2/NDF:39.1/37

All: -39.757+/-149.135 χ^2/NDF: 70.3/71

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 955.398+/-0.175 χ^2/NDF:389787.9/18

Right Out: 1106.046+/-0.291 χ^2/NDF: 514097.9/18

Left In: 938.907+/-0.172 χ^2/NDF:39256.9/17

Left: 947.001+/-0.123 χ^2/NDF: 433544.3/36

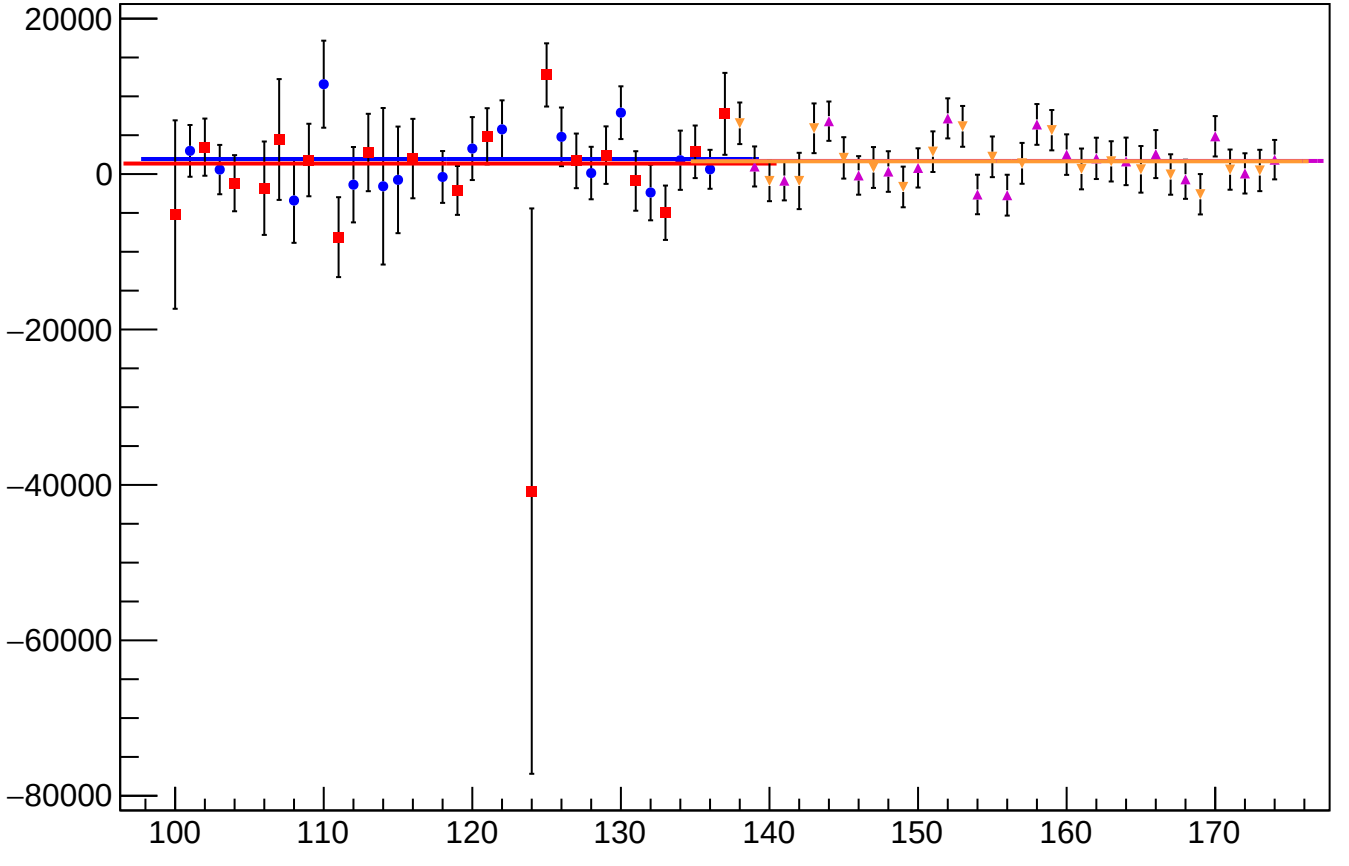
Right: 1098.518+/-0.205 χ^2/NDF: 792737.9/34

In: 978.603+/-0.148 χ^2/NDF:520122.6/33

Out: 995.578+/-0.150 χ^2/NDF:1100591.0/37

All: 986.969+/-0.105 χ^2/NDF: 1627190.4/71

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1939.656+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1643.581+/-618.295 χ^2/NDF:17.6/18

Right Out: 1353.428+/-985.119 χ^2/NDF: 21.8/18

Left In: 1687.276+/-616.225 χ^2/NDF:22.5/17

Left: 1665.502+/-436.467 χ^2/NDF: 40.0/36

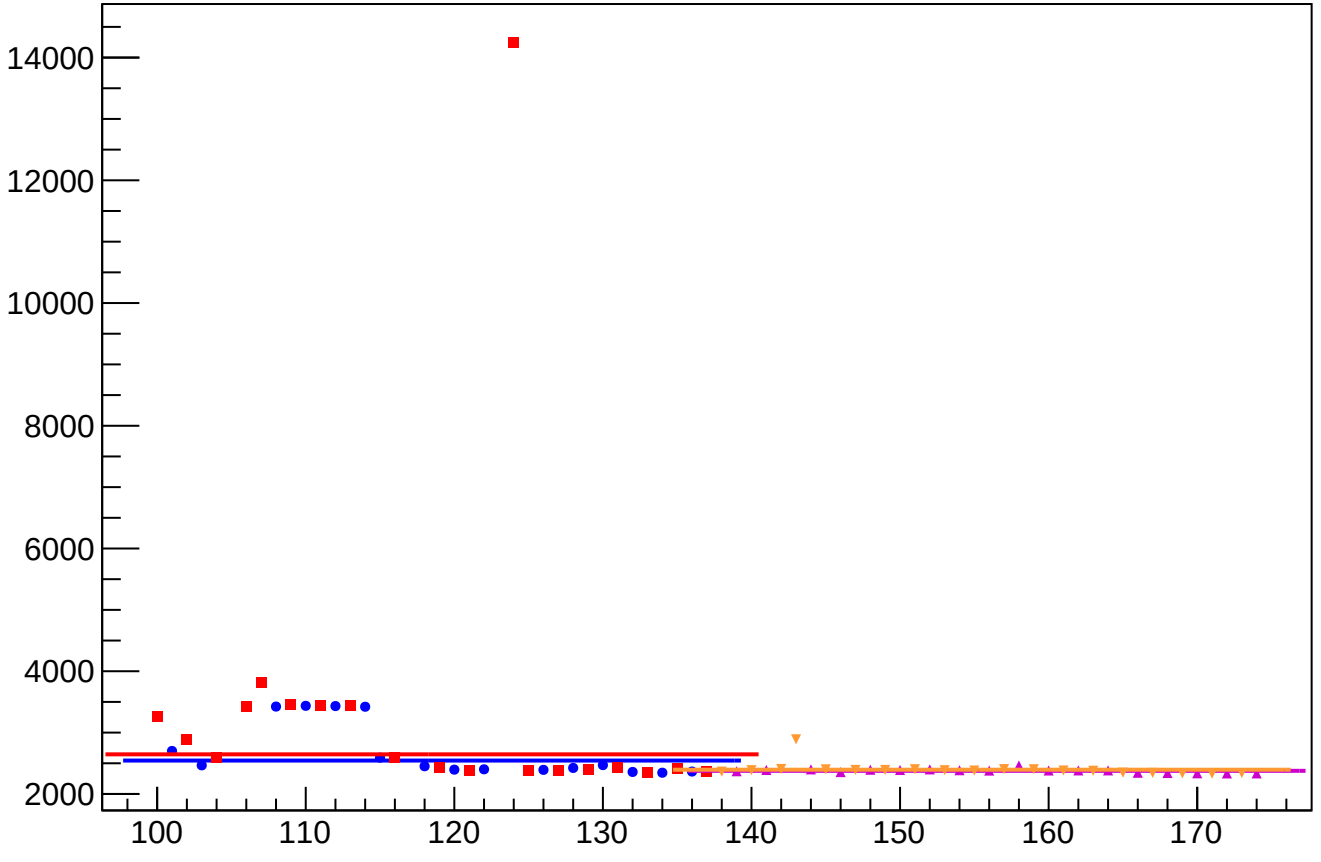
Right: 1656.397+/-684.775 χ^2/NDF: 34.2/34

In: 1761.738+/-517.394 χ^2/NDF:34.8/33

Out: 1561.583+/-523.692 χ^2/NDF:39.4/37

All: 1662.871+/-368.060 χ^2/NDF: 74.3/71

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2645.647+/-0.697 χ^2/NDF: 536965.2/18

Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

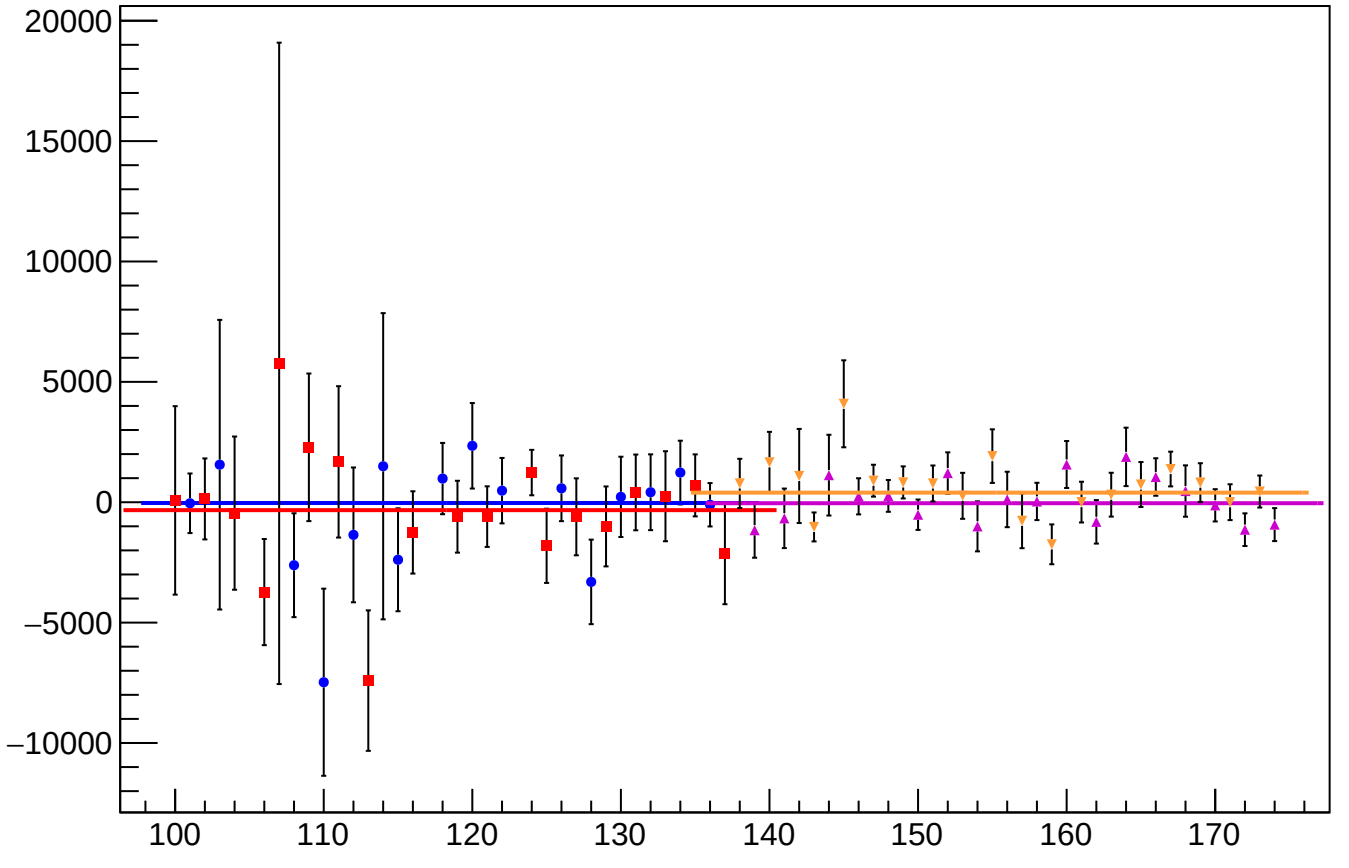
Left: 2386.163+/-0.309 χ^2/NDF: 59000.8/36

Right: 2593.330+/-0.484 χ^2/NDF: 773493.8/34

In: 2426.452+/-0.366 χ^2/NDF:274276.6/33

Out: 2466.053+/-0.370 χ^2/NDF:682599.5/37

All: 2446.013+/-0.260 χ^2/NDF: 962663.5/71



Right In: -31.191+/-405.726 χ^2/NDF: 13.8/15

Left Out: 398.749+/-193.658 χ^2/NDF:24.7/18

Right Out: -328.475+/-398.568 χ^2/NDF: 15.6/18

Left In: -40.604+/-199.832 χ^2/NDF:18.1/17

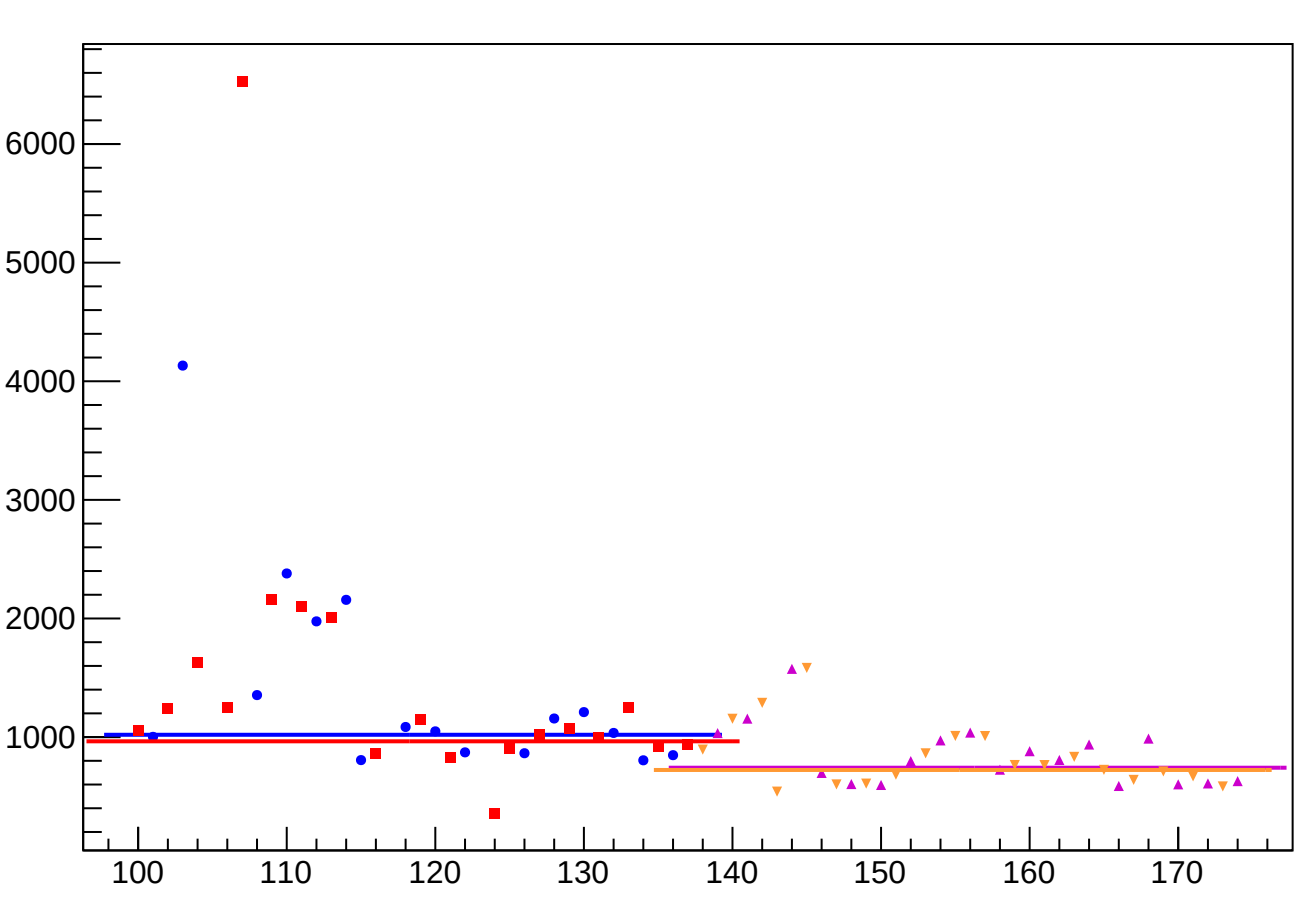
Left: 185.965+/-139.068 χ^2/NDF: 45.3/36

Right: -182.479+/-284.327 χ^2/NDF: 29.7/34

In: -38.766+/-179.268 χ^2/NDF:31.9/33

Out: 259.854+/-174.185 χ^2/NDF:43.0/37

All: 114.837+/-124.926 χ^2/NDF: 76.3/71



Right In: 1019.523+/-0.287 χ^2/NDF: 1364745.9/15

Left Out: 722.823+/-0.137 χ^2/NDF:1694929.5/18

Right Out: 964.379+/-0.282 χ^2/NDF: 2309359.3/18

Left In: 741.795+/-0.141 χ^2/NDF:1793510.3/17

Left: 732.011+/-0.098 χ^2/NDF: 3497736.9/36

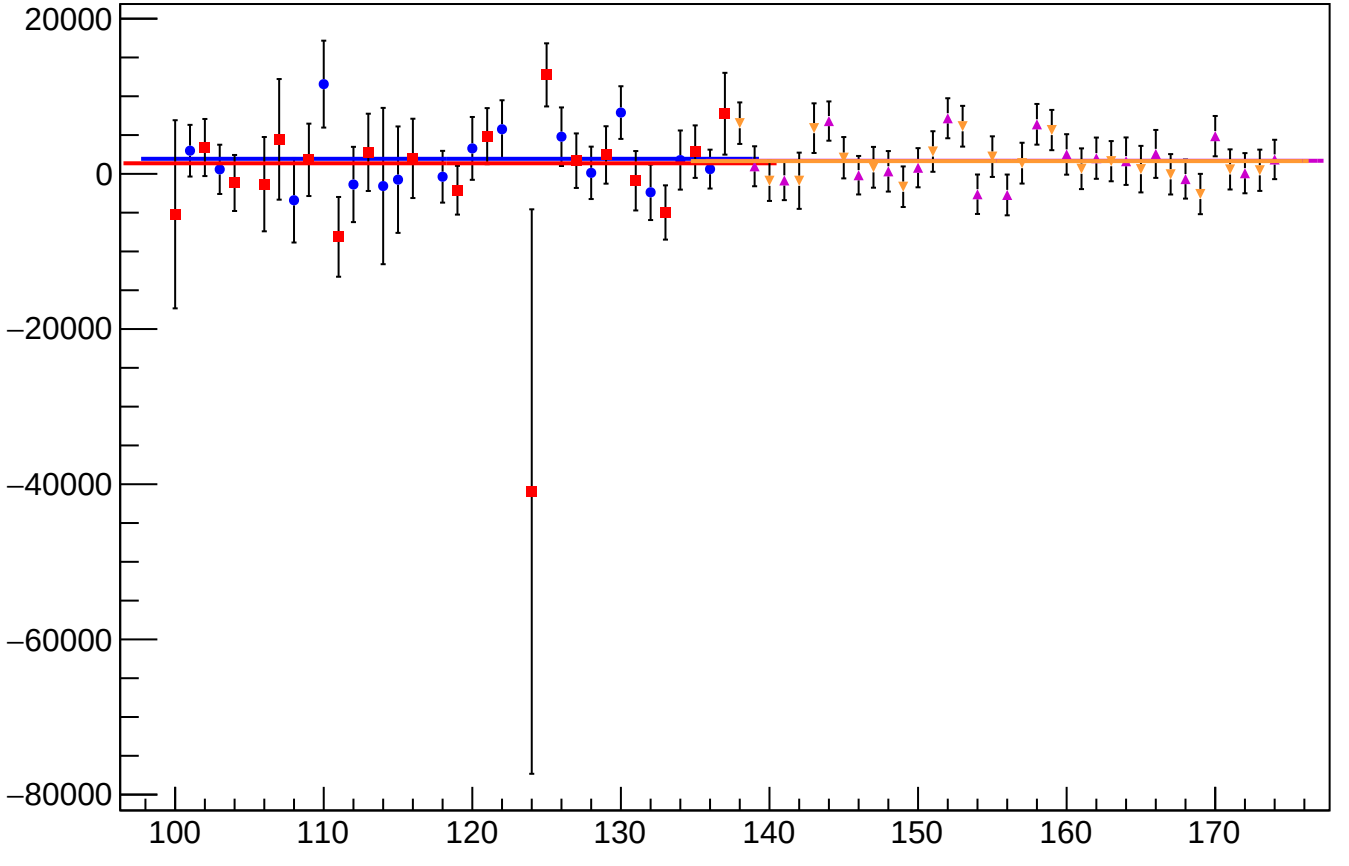
Right: 991.460+/-0.201 χ^2/NDF: 3692906.6/34

In: 796.015+/-0.127 χ^2/NDF:3912436.2/33

Out: 768.958+/-0.123 χ^2/NDF:4598600.7/37

All: 782.098+/-0.088 χ^2/NDF: 8534471.8/71

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1643.552+/-618.295 χ^2/NDF:17.6/18

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1687.354+/-616.225 χ^2/NDF:22.5/17

Left: 1665.526+/-436.467 χ^2/NDF: 40.0/36

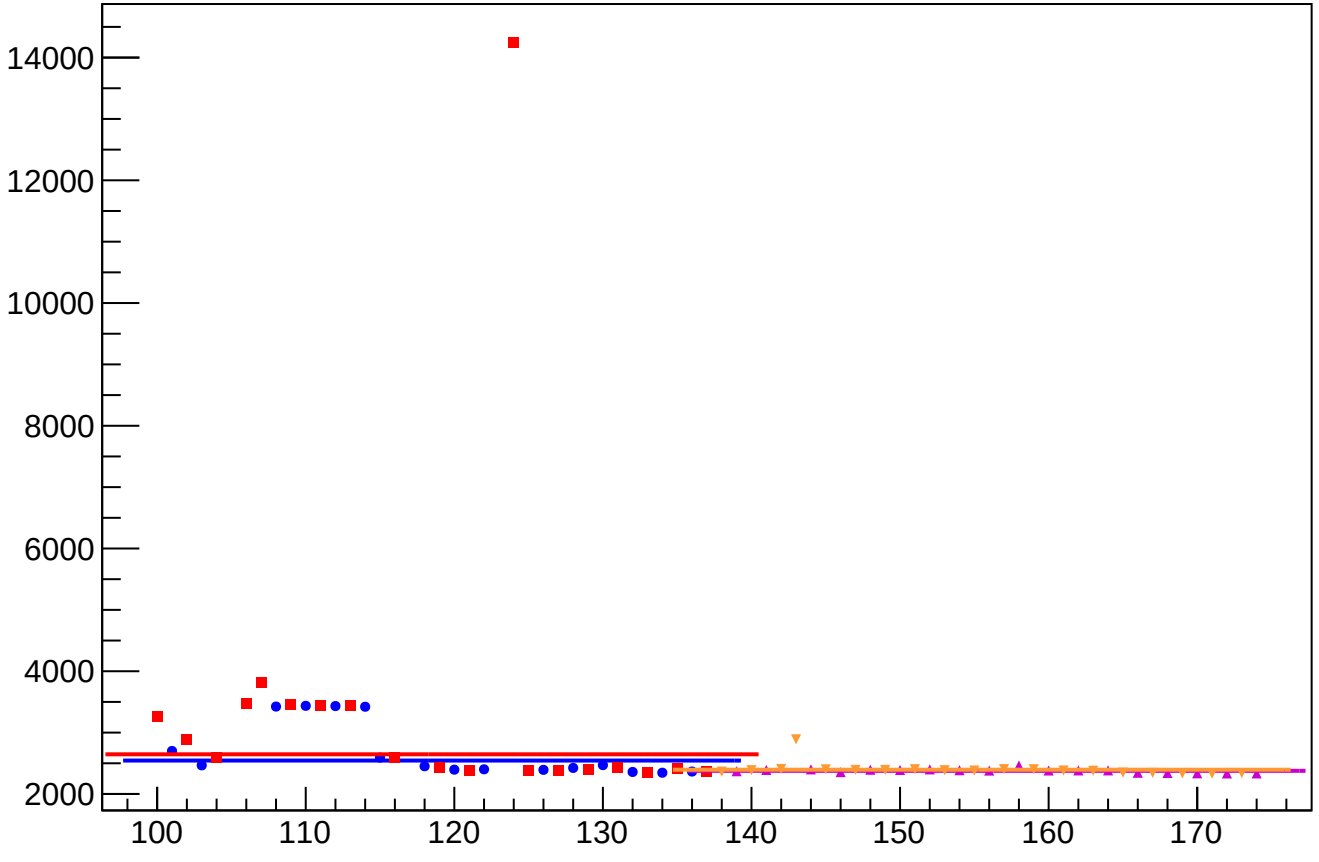
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1761.896+/-517.394 χ^2/NDF:34.8/33

Out: 1564.327+/-523.737 χ^2/NDF:39.3/37

All: 1664.315+/-368.075 χ^2/NDF: 74.2/71

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

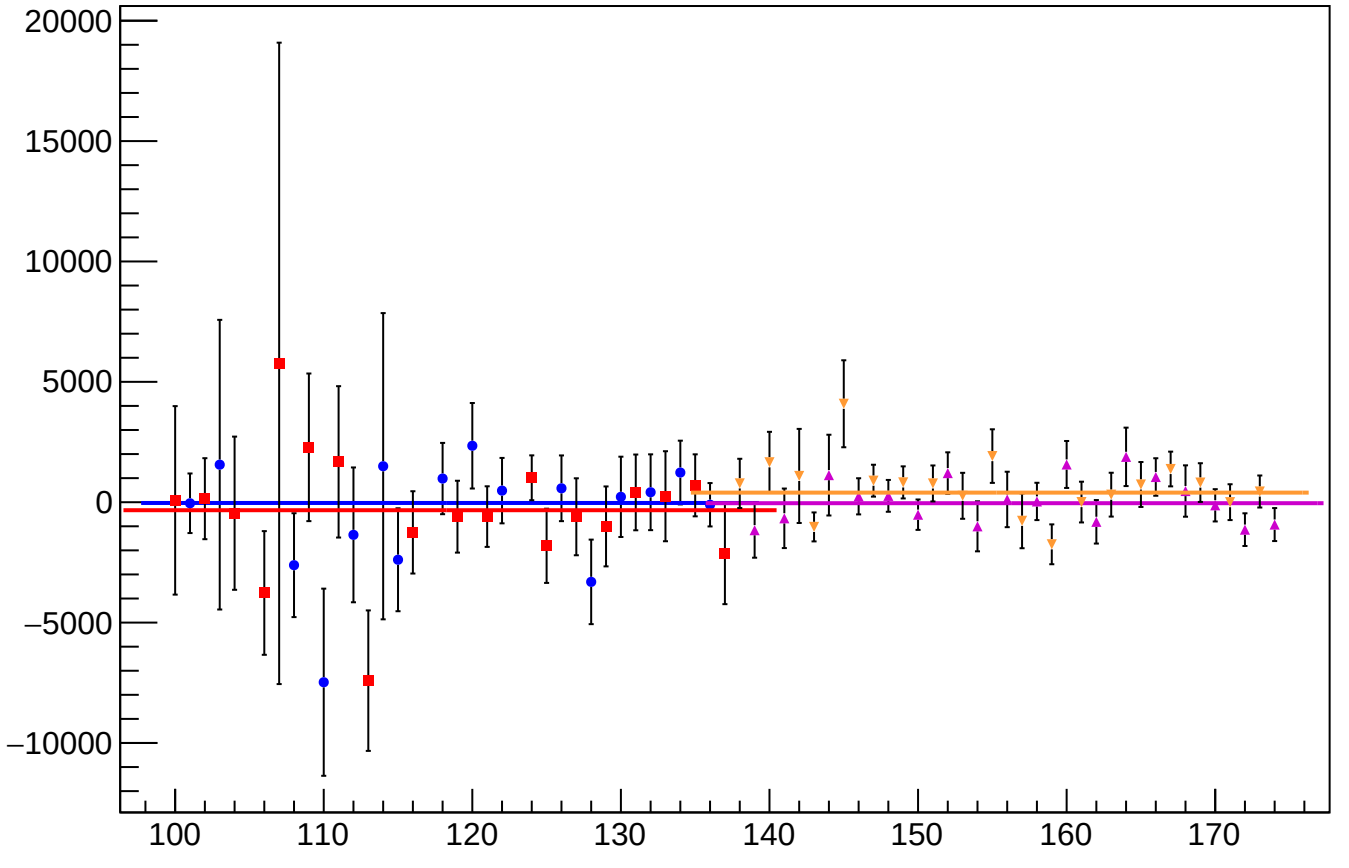
Left: 2386.163+/-0.309 χ^2/NDF: 59000.7/36

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2426.452+/-0.366 χ^2/NDF:274276.6/33

Out: 2466.179+/-0.370 χ^2/NDF:685552.6/37

All: 2446.073+/-0.260 χ^2/NDF: 965653.0/71



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 398.745+/-193.658 χ^2/NDF:24.7/18

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -40.505+/-199.833 χ^2/NDF:18.1/17

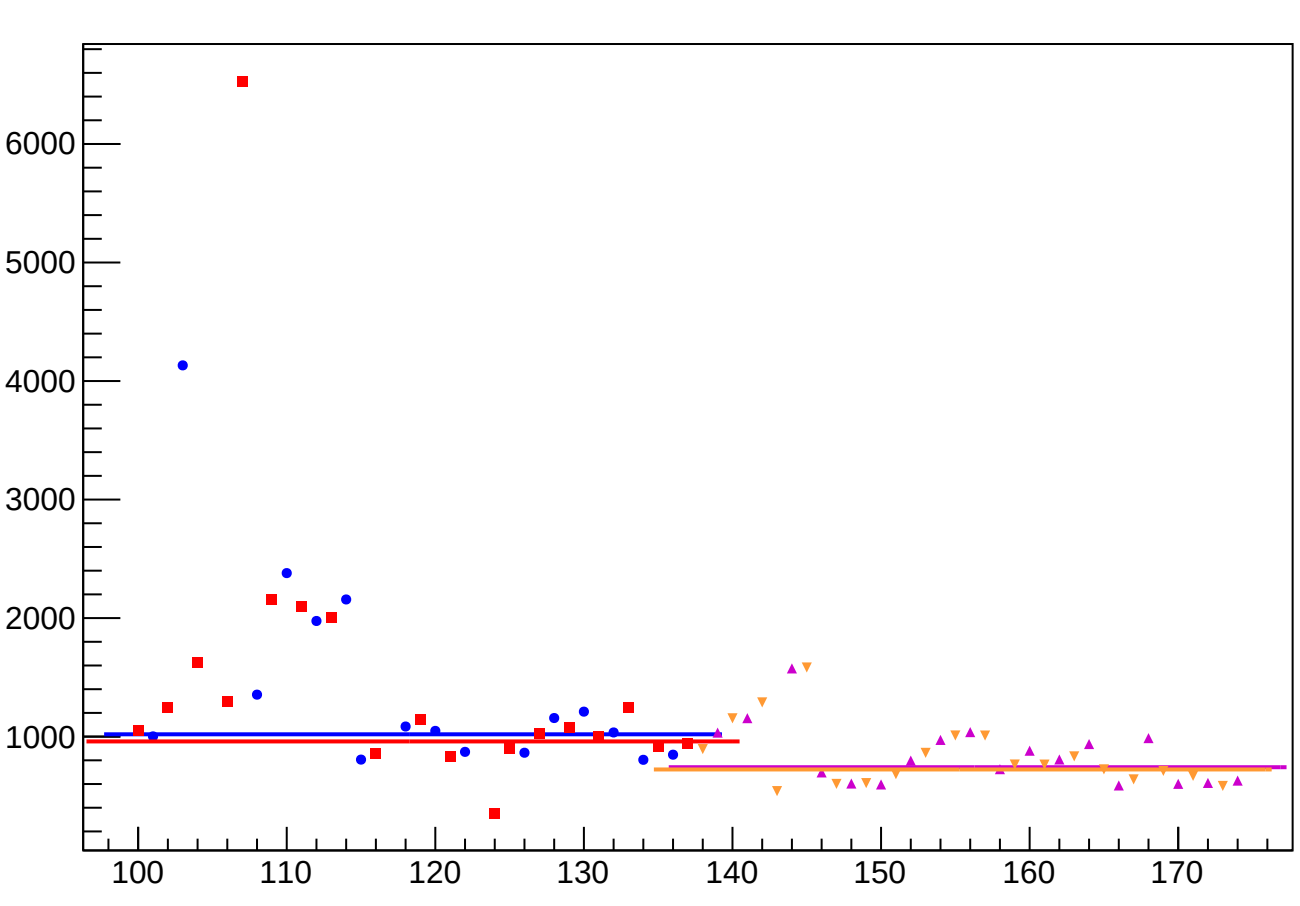
Left: 186.011+/-139.069 χ^2/NDF: 45.3/36

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -38.699+/-179.268 χ^2/NDF:31.9/33

Out: 259.618+/-174.249 χ^2/NDF:41.8/37

All: 114.694+/-124.949 χ^2/NDF: 75.1/71



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 722.823+/-0.137 χ^2/NDF:1695028.8/18

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

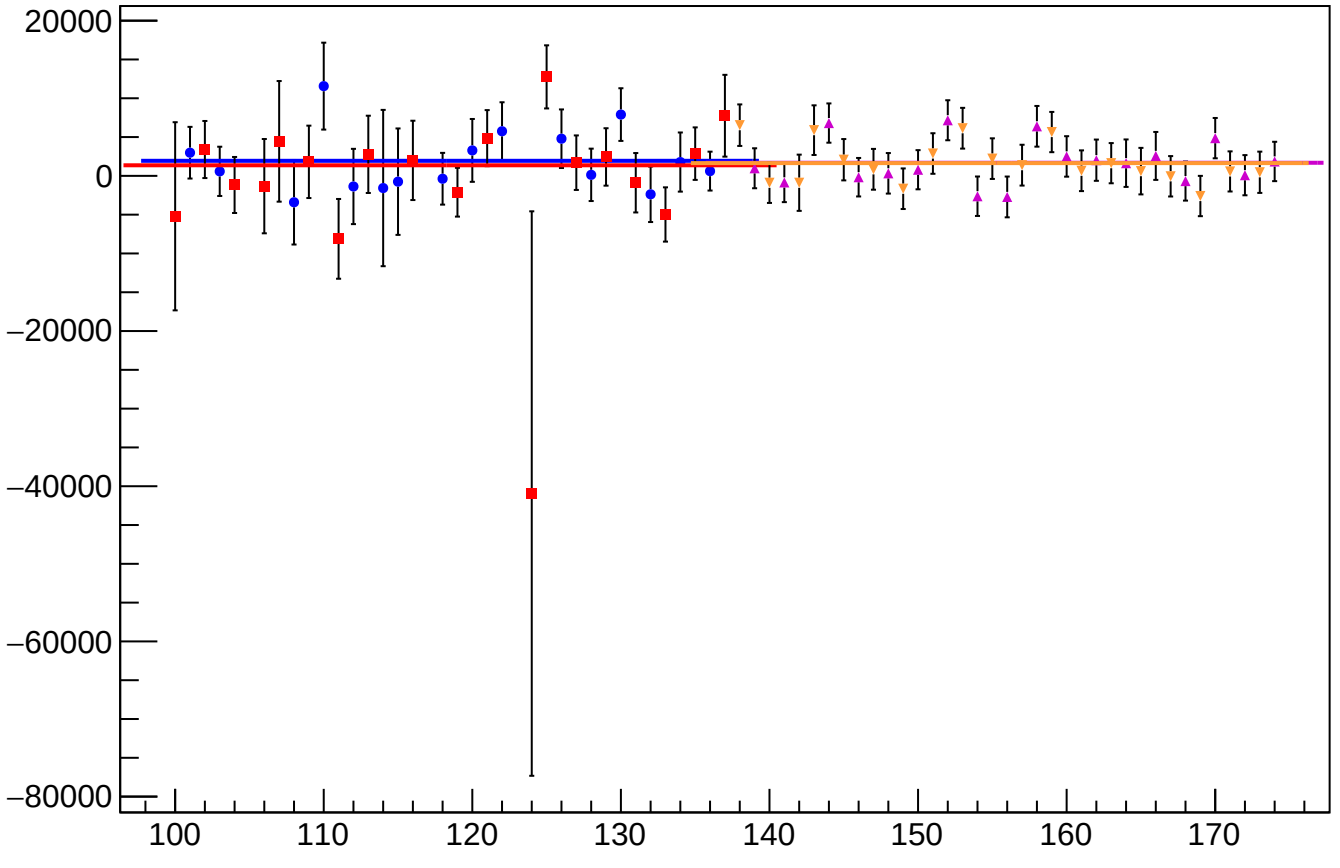
Left: 732.011+/-0.098 χ^2/NDF: 3497991.2/36

Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 796.014+/-0.127 χ^2/NDF:3912552.3/33

Out: 767.856+/-0.123 χ^2/NDF:4607489.5/37

All: 781.535+/-0.088 χ^2/NDF: 8545412.4/71



Right In: 1940.005+/-952.537 χ^2/NDF: 12.2/15

Left Out: 1643.552+/-618.295 χ^2/NDF:17.6/18

Right Out: 1363.089+/-985.420 χ^2/NDF: 21.7/18

Left In: 1687.354+/-616.225 χ^2/NDF:22.5/17

Left: 1665.526+/-436.467 χ^2/NDF: 40.0/36

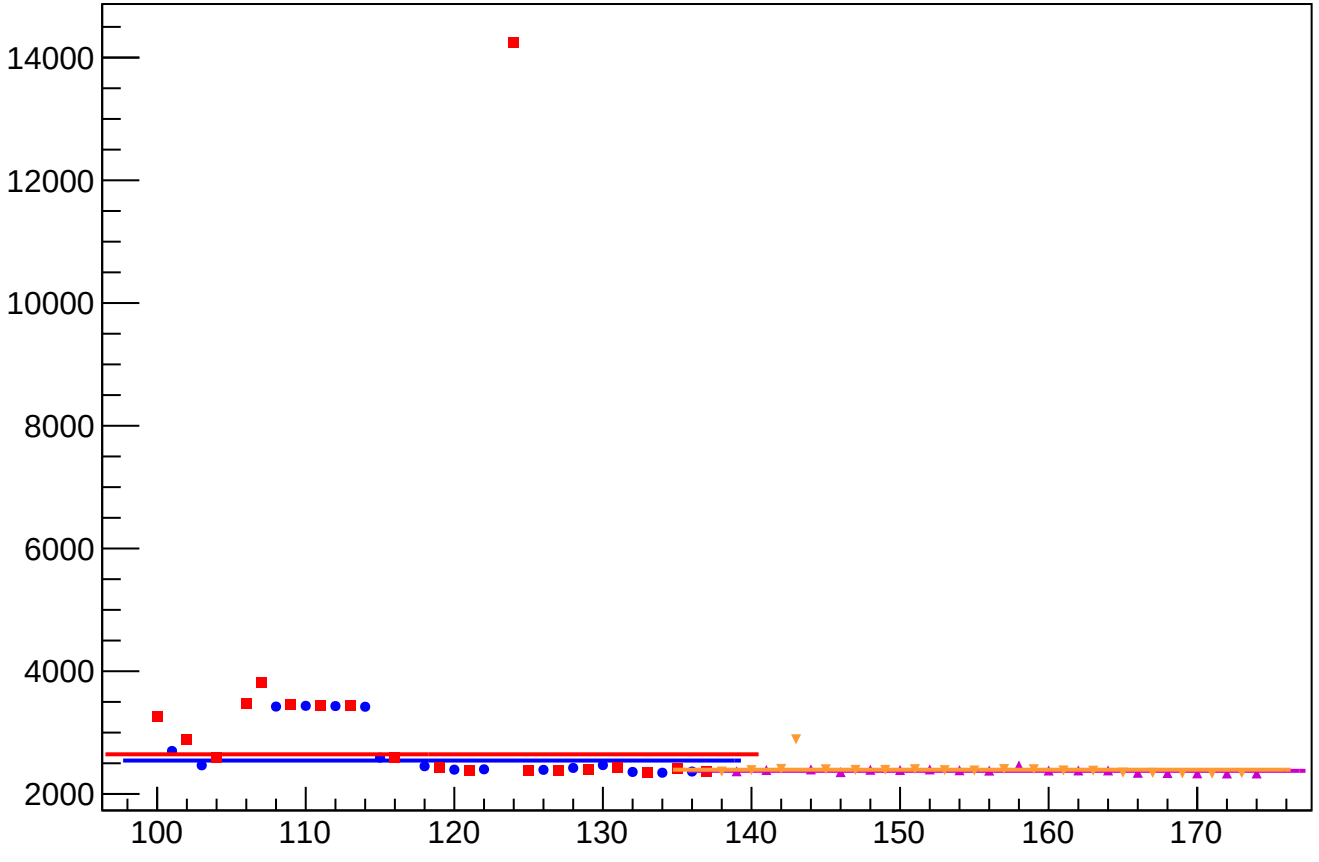
Right: 1661.333+/-684.876 χ^2/NDF: 34.1/34

In: 1761.896+/-517.394 χ^2/NDF:34.8/33

Out: 1564.327+/-523.737 χ^2/NDF:39.3/37

All: 1664.315+/-368.075 χ^2/NDF: 74.2/71

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2544.416+/-0.674 χ^2/NDF: 225614.0/15

Left Out: 2395.306+/-0.437 χ^2/NDF:52977.7/18

Right Out: 2646.203+/-0.697 χ^2/NDF: 539546.8/18

Left In: 2377.081+/-0.436 χ^2/NDF:5151.3/17

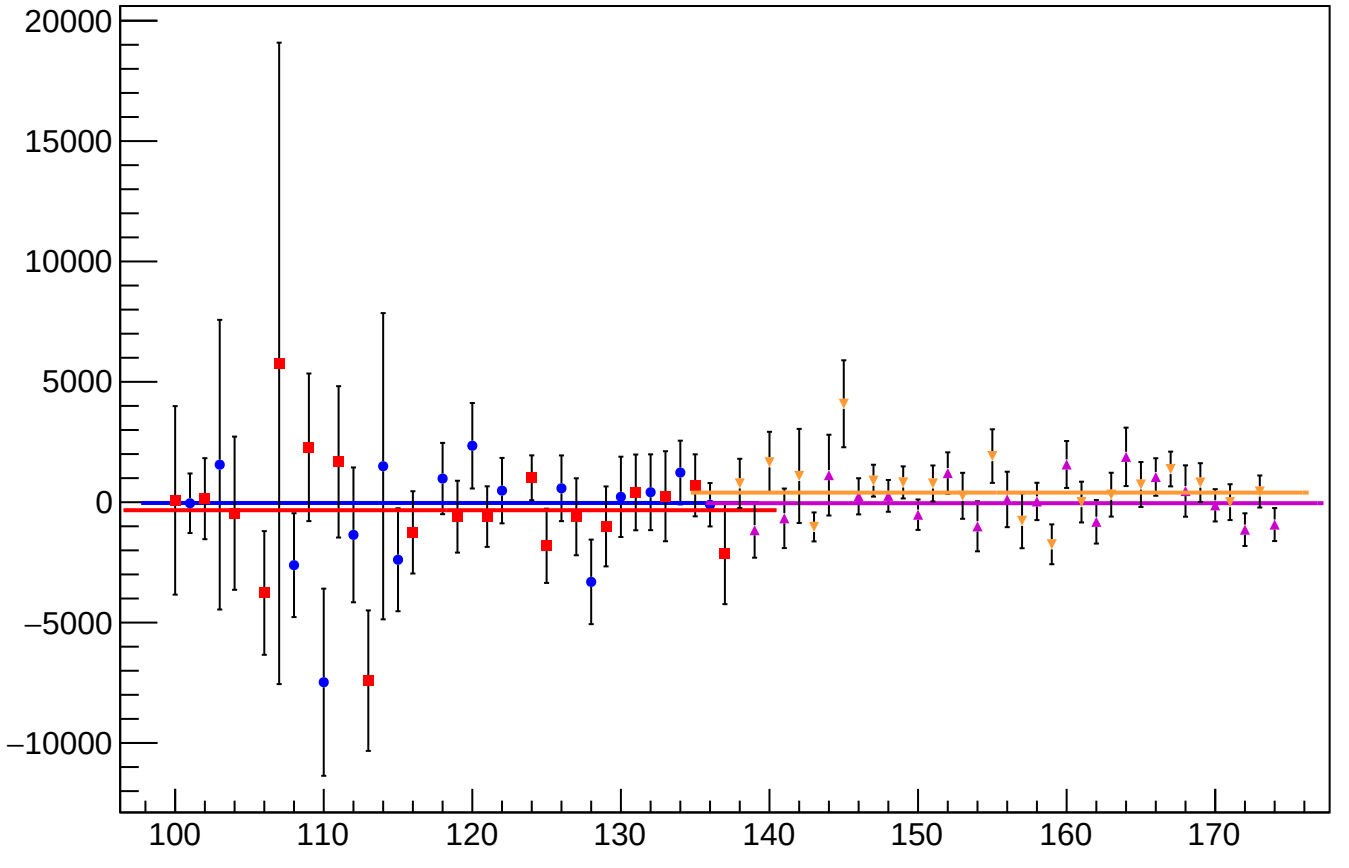
Left: 2386.163+/-0.309 χ^2/NDF: 59000.7/36

Right: 2593.583+/-0.484 χ^2/NDF: 776192.2/34

In: 2426.452+/-0.366 χ^2/NDF:274276.6/33

Out: 2466.179+/-0.370 χ^2/NDF:685552.6/37

All: 2446.073+/-0.260 χ^2/NDF: 965653.0/71



Right In: -31.253+/-405.723 χ^2/NDF: 13.8/15

Left Out: 398.745+/-193.658 χ^2/NDF:24.7/18

Right Out: -331.962+/-399.334 χ^2/NDF: 14.4/18

Left In: -40.505+/-199.833 χ^2/NDF:18.1/17

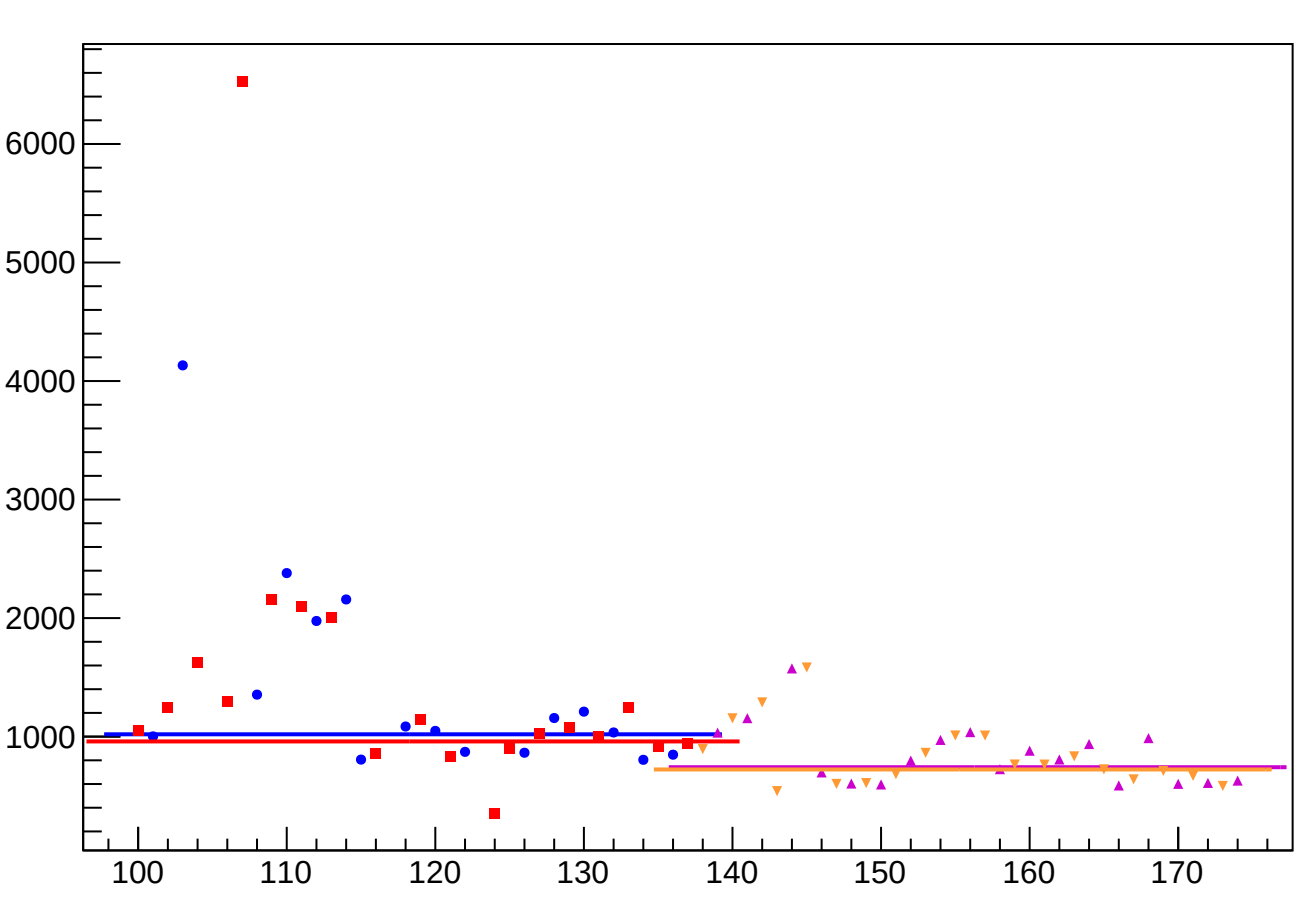
Left: 186.011+/-139.069 χ^2/NDF: 45.3/36

Right: -183.994+/-284.604 χ^2/NDF: 28.5/34

In: -38.699+/-179.268 χ^2/NDF:31.9/33

Out: 259.618+/-174.249 χ^2/NDF:41.8/37

All: 114.694+/-124.949 χ^2/NDF: 75.1/71



Right In: 1019.514+/-0.287 χ^2/NDF: 1364741.0/15

Left Out: 722.823+/-0.137 χ^2/NDF:1695028.8/18

Right Out: 959.344+/-0.282 χ^2/NDF: 2344434.8/18

Left In: 741.795+/-0.141 χ^2/NDF:1793666.1/17

Left: 732.011+/-0.098 χ^2/NDF: 3497991.2/36

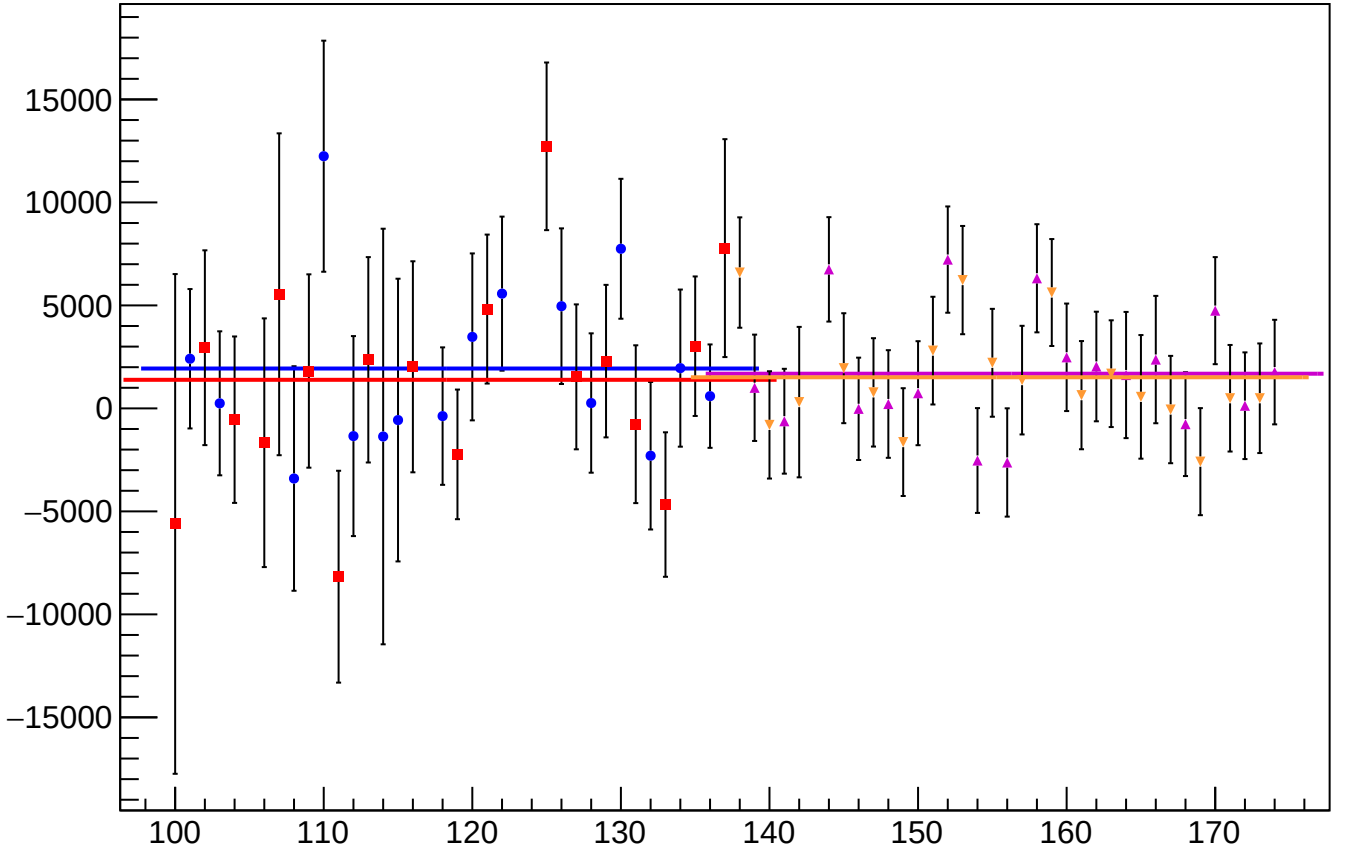
Right: 988.952+/-0.201 χ^2/NDF: 3731518.7/34

In: 796.014+/-0.127 χ^2/NDF:3912552.3/33

Out: 767.856+/-0.123 χ^2/NDF:4607489.5/37

All: 781.535+/-0.088 χ^2/NDF: 8545412.4/71

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.992+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1510.556+/-630.884 χ^2/NDF:15.5/17

Right Out: 1387.548+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1683.726+/-616.755 χ^2/NDF:21.8/17

Left: 1599.102+/-441.022 χ^2/NDF: 37.3/35

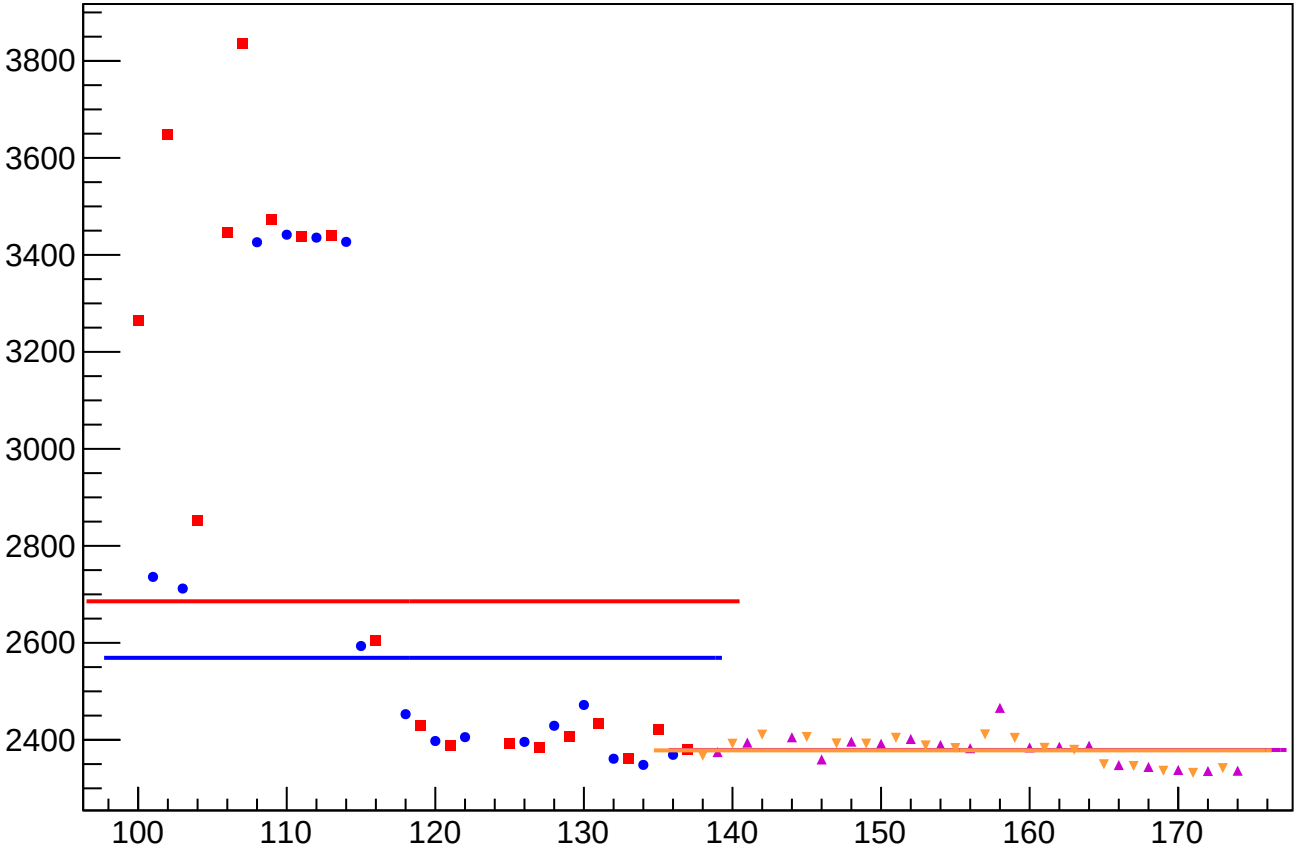
Right: 1674.777+/-696.416 χ^2/NDF: 32.3/33

In: 1757.176+/-519.262 χ^2/NDF:34.2/33

Out: 1475.988+/-534.942 χ^2/NDF:35.2/35

All: 1620.763+/-372.594 χ^2/NDF: 69.6/69

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.5/15

Left Out: 2378.290+/-0.446 χ^2/NDF:3362.7/17

Right Out: 2685.675+/-0.714 χ^2/NDF: 419264.8/17

Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

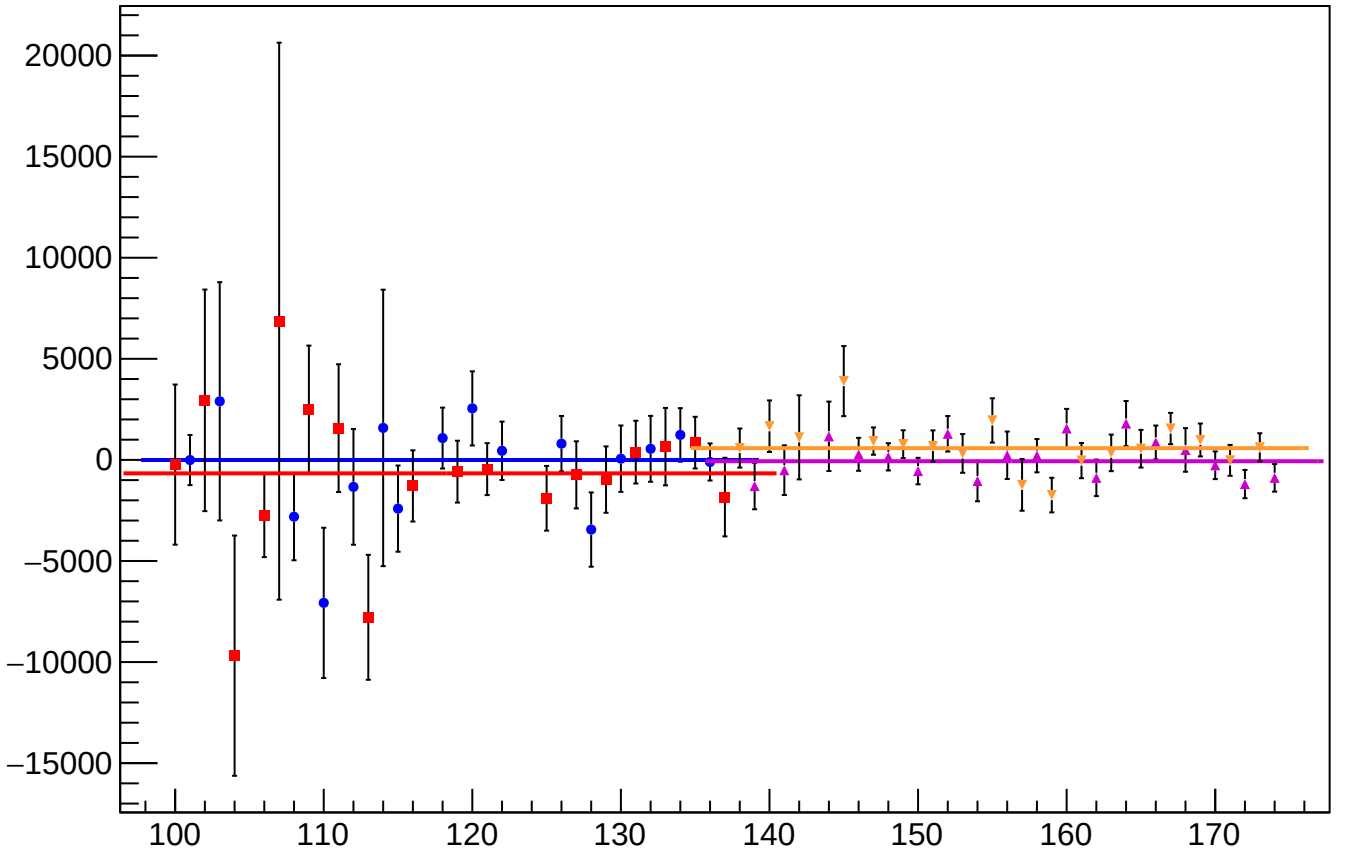
Left: 2378.711+/-0.312 χ^2/NDF: 8552.8/35

Right: 2624.638+/-0.492 χ^2/NDF: 662723.7/33

In: 2434.438+/-0.367 χ^2/NDF:289949.9/33

Out: 2464.672+/-0.378 χ^2/NDF:556052.6/35

All: 2449.106+/-0.263 χ^2/NDF: 849291.7/69



Right In: -5.169+/-412.248 χ^2/NDF: 14.5/15

Left Out: 580.862+/-209.482 χ^2/NDF:18.8/17

Right Out: -665.952+/-460.513 χ^2/NDF: 14.4/17

Left In: -66.007+/-204.236 χ^2/NDF:18.2/17

Left: 249.227+/-146.236 χ^2/NDF: 41.9/35

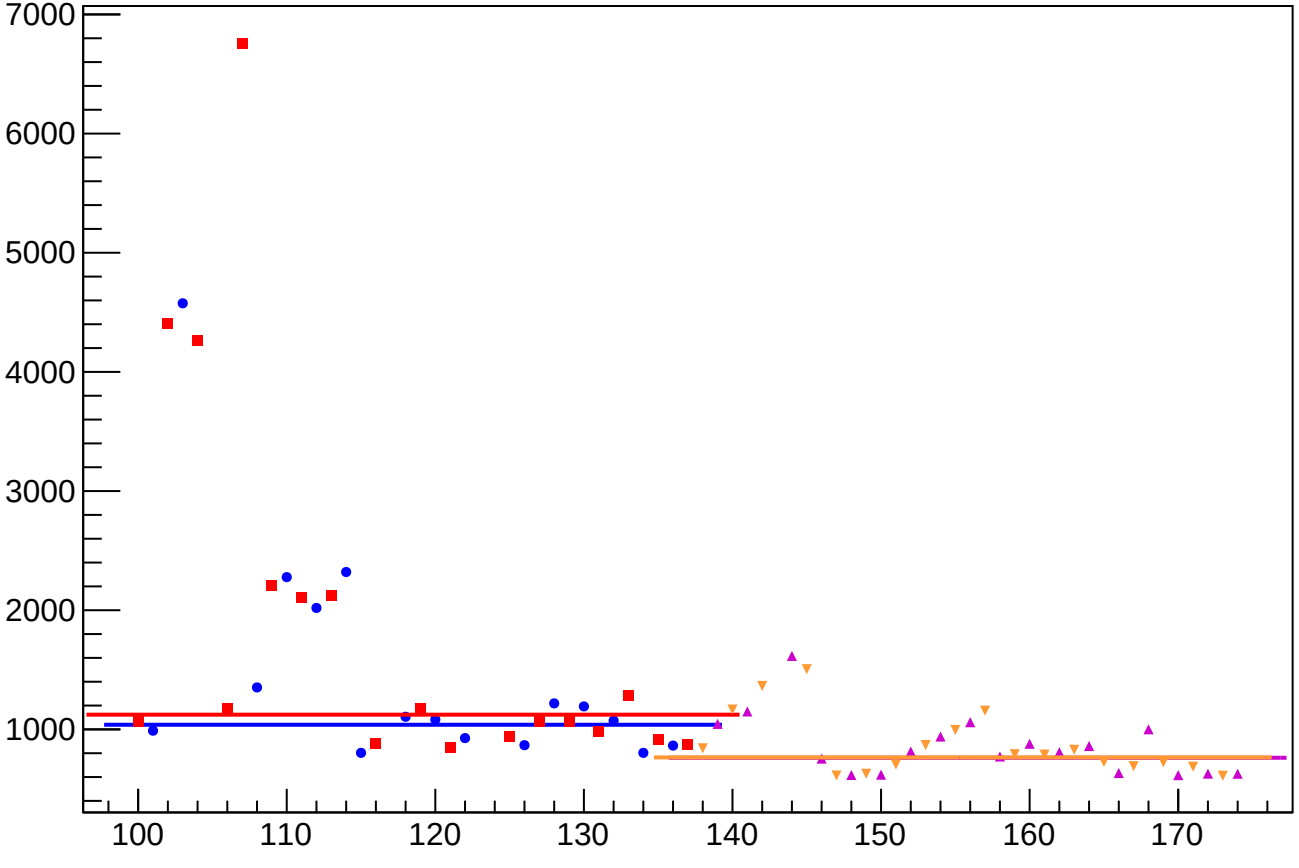
Right: -299.130+/-307.154 χ^2/NDF: 30.0/33

In: -54.017+/-183.008 χ^2/NDF:32.7/33

Out: 367.099+/-190.681 χ^2/NDF:39.3/35

All: 147.898+/-132.035 χ^2/NDF: 74.5/69

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.803+/-0.292 χ^2/NDF: 1539731.1/15

Left Out: 764.711+/-0.148 χ^2/NDF:1392286.5/17

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535511.7/17

Left In: 761.807+/-0.144 χ^2/NDF:1639077.2/17

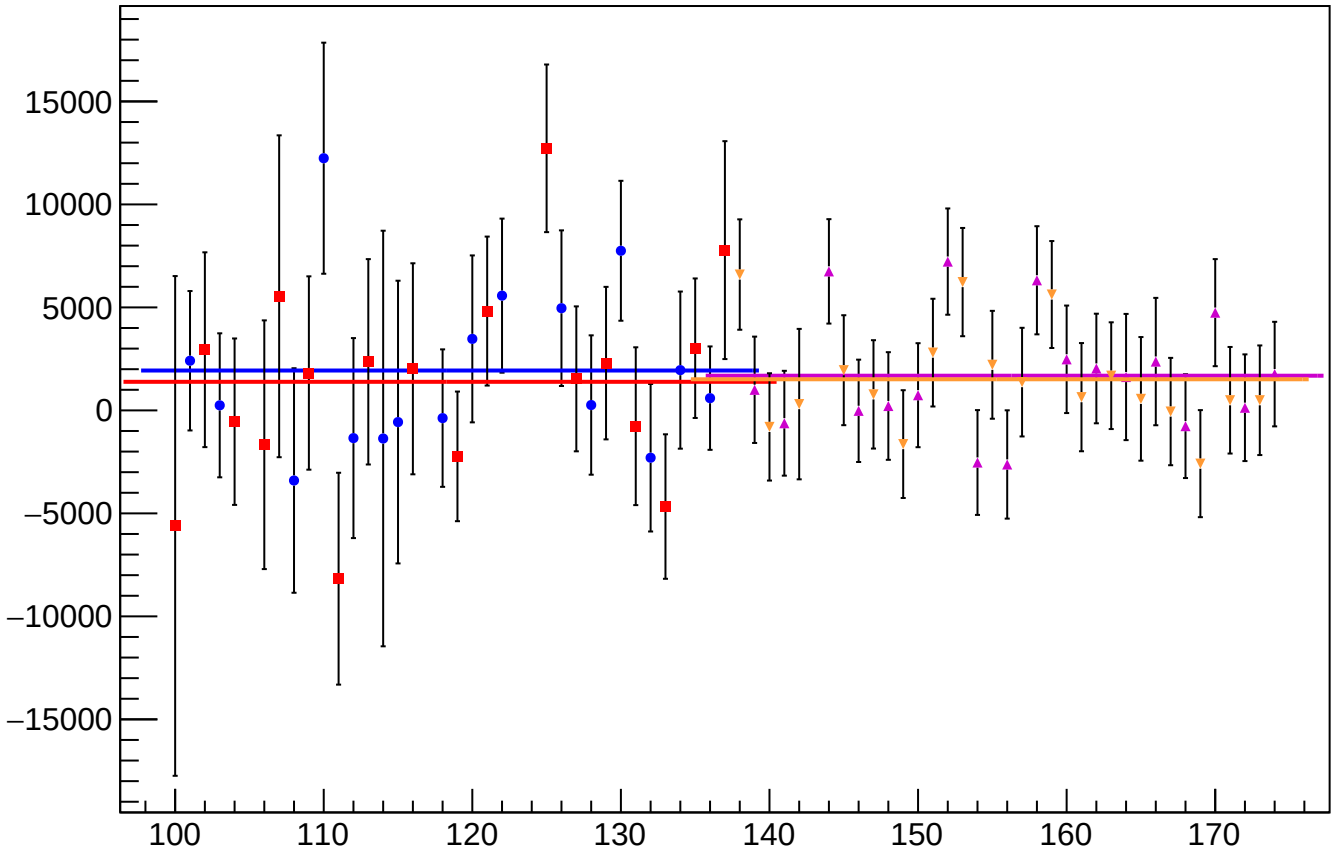
Left: 763.222+/-0.103 χ^2/NDF: 3031560.9/35

Right: 1076.470+/-0.217 χ^2/NDF: 4112776.2/33

In: 816.395+/-0.129 χ^2/NDF:3903807.3/33

Out: 826.220+/-0.135 χ^2/NDF:4933529.2/35

All: 821.106+/-0.093 χ^2/NDF: 8840100.7/69



Right In: 1935.988+/-962.322 χ^2/NDF: 12.4/15

Left Out: 1510.556+/-630.884 χ^2/NDF:15.5/17

Right Out: 1387.545+/-1009.105 χ^2/NDF: 19.8/17

Left In: 1683.727+/-616.755 χ^2/NDF:21.8/17

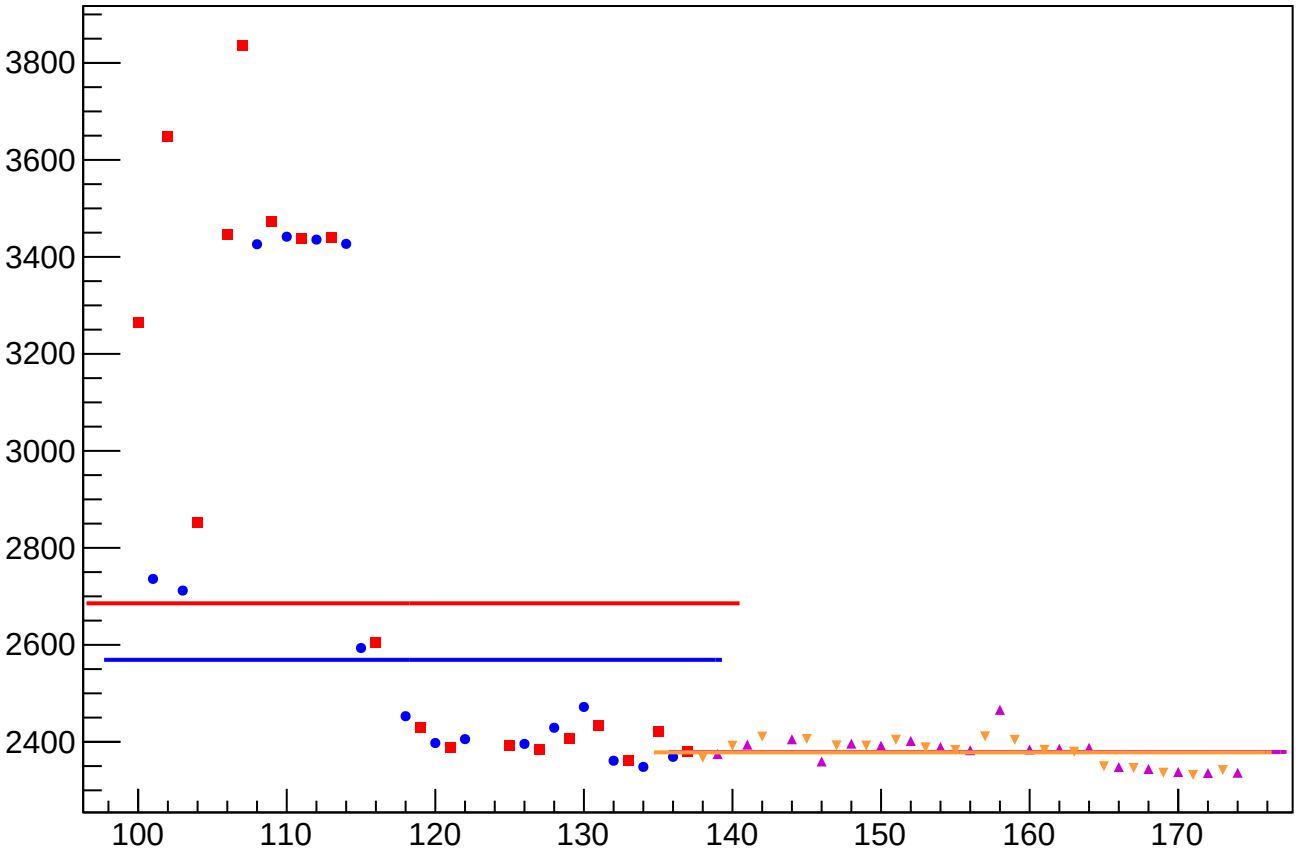
Left: 1599.102+/-441.022 χ^2/NDF: 37.3/35

Right: 1674.774+/-696.416 χ^2/NDF: 32.3/33

In: 1757.175+/-519.262 χ^2/NDF:34.2/33

Out: 1475.987+/-534.942 χ^2/NDF:35.2/35

All: 1620.763+/-372.594 χ^2/NDF: 69.6/69



Right In: 2569.130+/-0.680 χ^2/NDF: 229487.3/15

Left Out: 2378.290+/-0.446 χ^2/NDF:3362.7/17

Right Out: 2685.674+/-0.714 χ^2/NDF: 419264.2/17

Left In: 2379.113+/-0.436 χ^2/NDF:5188.3/17

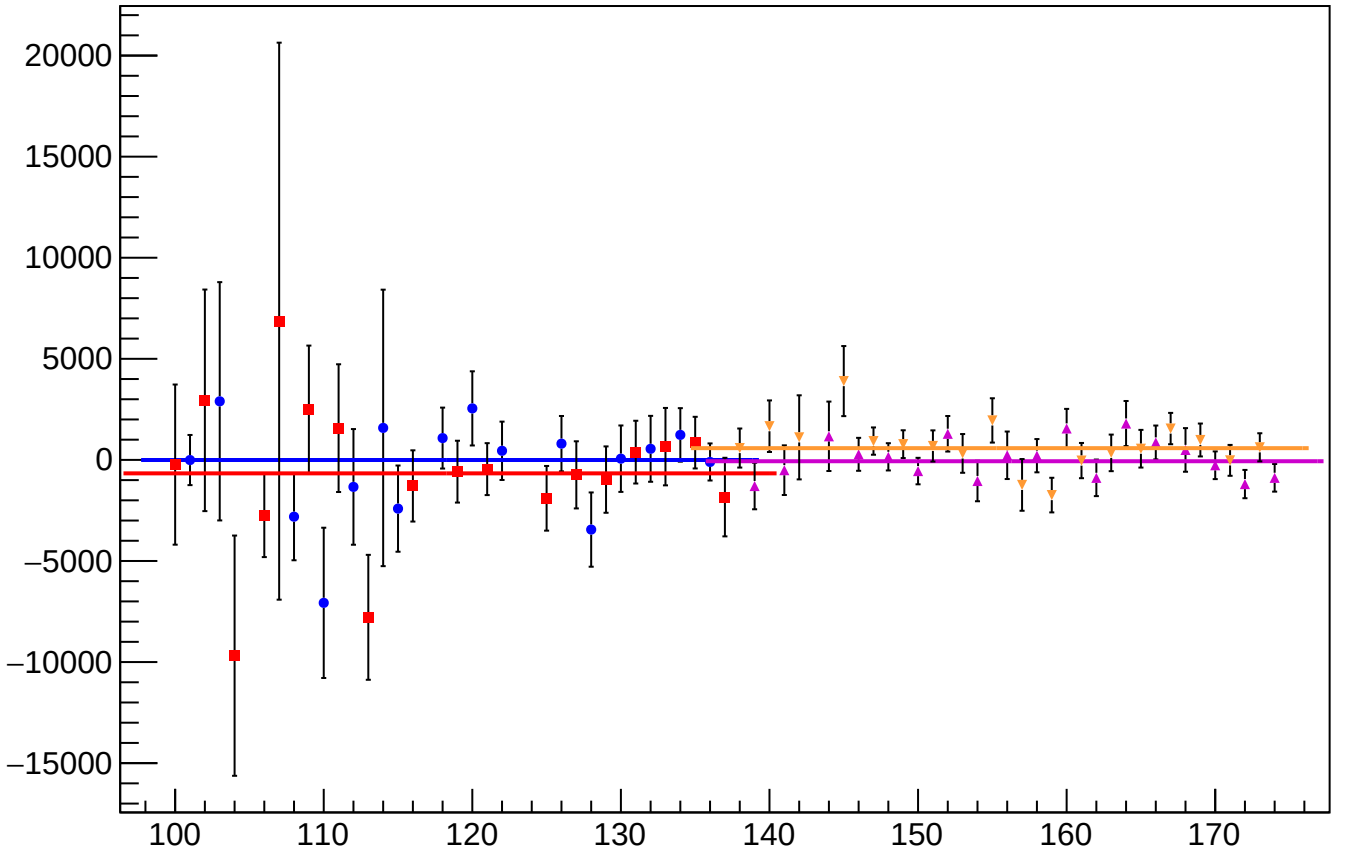
Left: 2378.711+/-0.312 χ^2/NDF: 8552.8/35

Right: 2624.638+/-0.492 χ^2/NDF: 662722.8/33

In: 2434.438+/-0.367 χ^2/NDF:289949.5/33

Out: 2464.672+/-0.378 χ^2/NDF:556051.6/35

All: 2449.105+/-0.263 χ^2/NDF: 849290.3/69



Right In: -5.172+/-412.248 χ^2/NDF: 14.5/15

Left Out: 580.863+/-209.482 χ^2/NDF:18.8/17

Right Out: -665.953+/-460.513 χ^2/NDF: 14.4/17

Left In: -66.007+/-204.236 χ^2/NDF:18.2/17

Left: 249.227+/-146.236 χ^2/NDF: 41.9/35

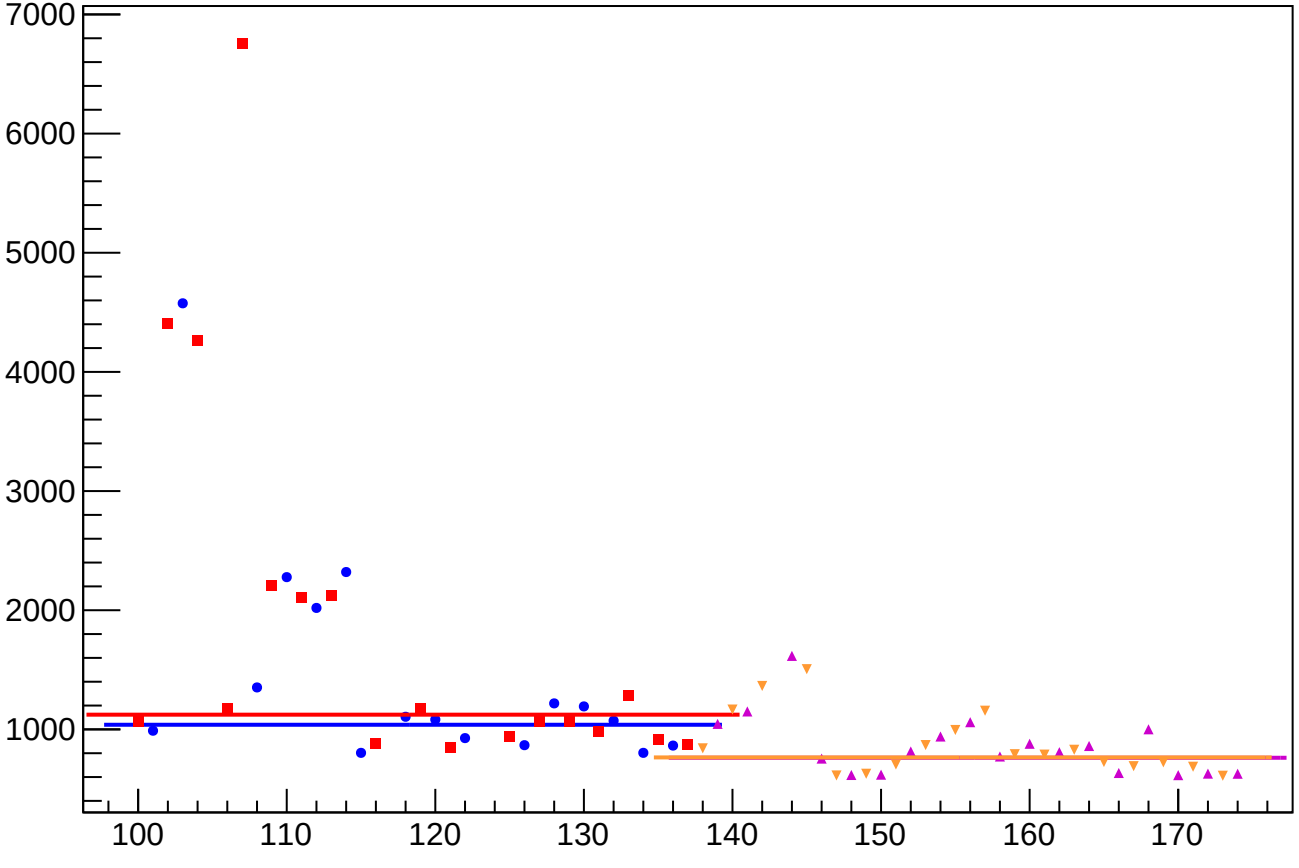
Right: -299.132+/-307.154 χ^2/NDF: 30.0/33

In: -54.018+/-183.009 χ^2/NDF:32.7/33

Out: 367.099+/-190.681 χ^2/NDF:39.3/35

All: 147.898+/-132.036 χ^2/NDF: 74.5/69

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1038.804+/-0.292 χ^2/NDF: 1539724.8/15

Left Out: 764.713+/-0.148 χ^2/NDF:1392285.3/17

Right Out: 1123.474+/-0.326 χ^2/NDF: 2535509.9/17

Left In: 761.808+/-0.144 χ^2/NDF:1639074.1/17

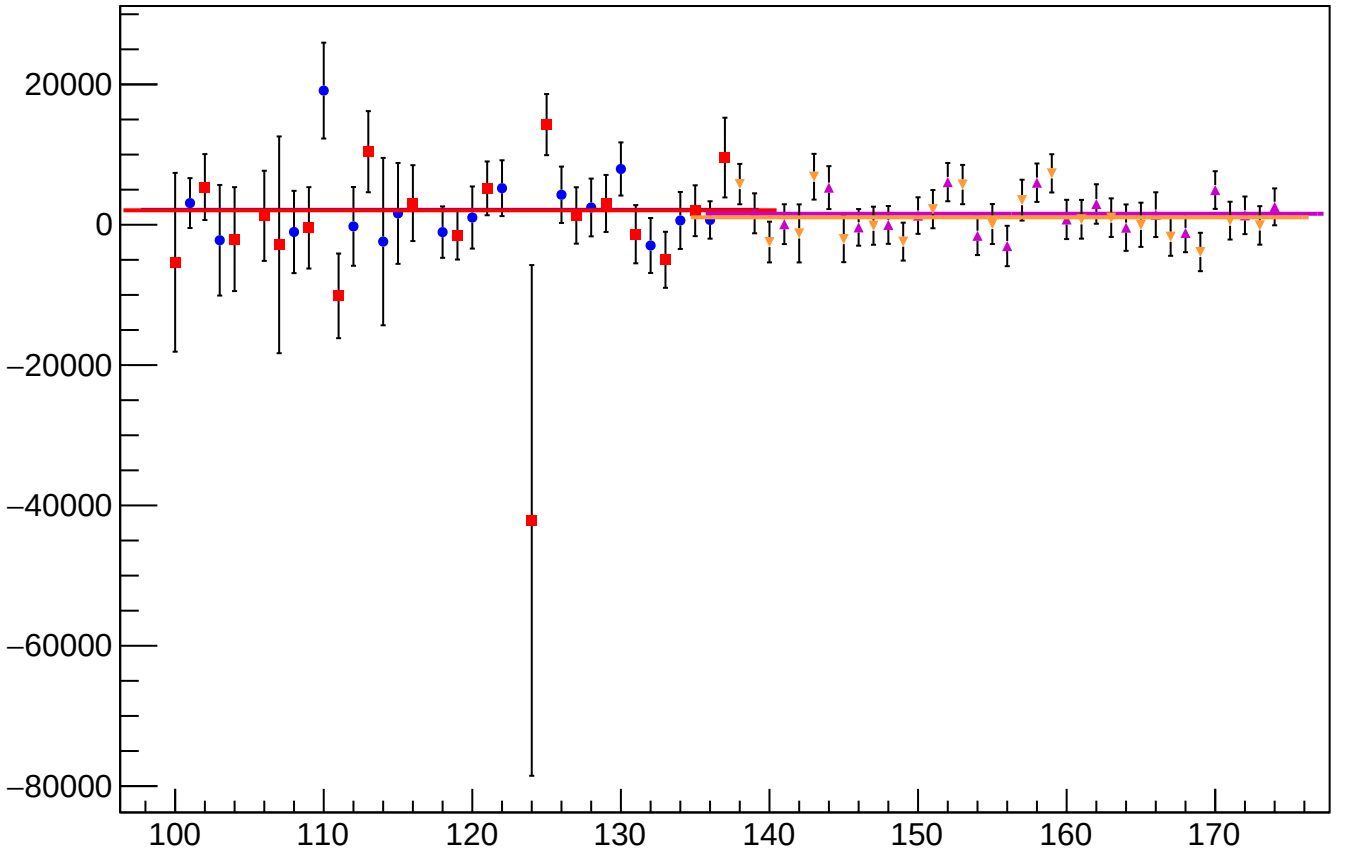
Left: 763.224+/-0.103 χ^2/NDF: 3031556.6/35

Right: 1076.471+/-0.217 χ^2/NDF: 4112767.4/33

In: 816.396+/-0.129 χ^2/NDF:3903792.7/33

Out: 826.222+/-0.135 χ^2/NDF:4933517.9/35

All: 821.107+/-0.093 χ^2/NDF: 8840074.8/69



Right In: 2121.991+/-1084.700 χ^2/NDF: 13.4/15

Left Out: 1061.314+/-659.437 χ^2/NDF:24.1/18

Right Out: 2059.741+/-1136.807 χ^2/NDF: 24.3/18

Left In: 1568.224+/-658.457 χ^2/NDF:15.3/17

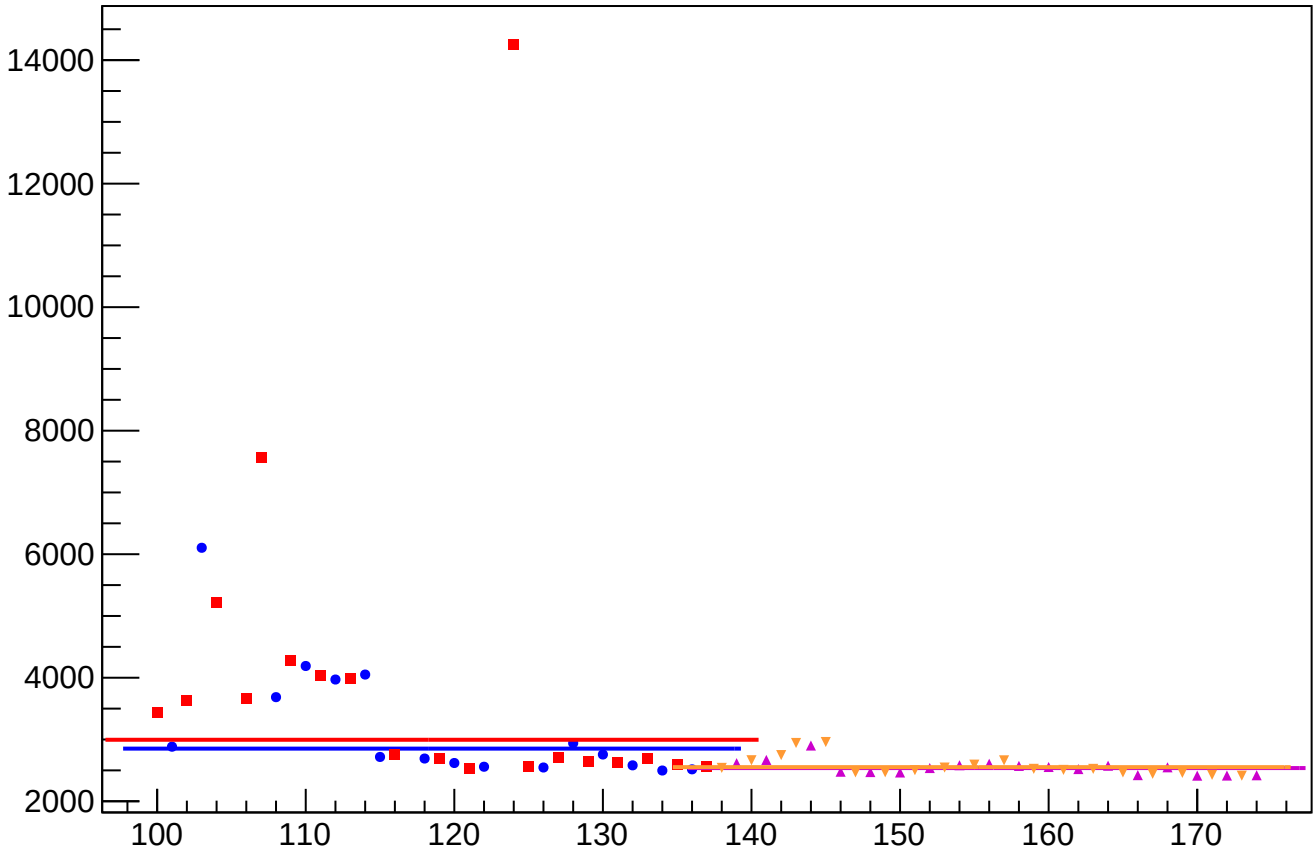
Left: 1315.147+/-465.946 χ^2/NDF: 39.6/36

Right: 2092.326+/-784.773 χ^2/NDF: 37.7/34

In: 1717.338+/-562.866 χ^2/NDF:28.8/33

Out: 1312.690+/-570.415 χ^2/NDF:49.0/37

All: 1517.709+/-400.649 χ^2/NDF: 78.0/71



Right In: 2852.206+/-0.767 χ^2/NDF: 648715.2/15

Left Out: 2552.392+/-0.466 χ^2/NDF:91890.2/18

Right Out: 2995.525+/-0.804 χ^2/NDF: 979168.6/18

Left In: 2537.319+/-0.466 χ^2/NDF:55231.2/17

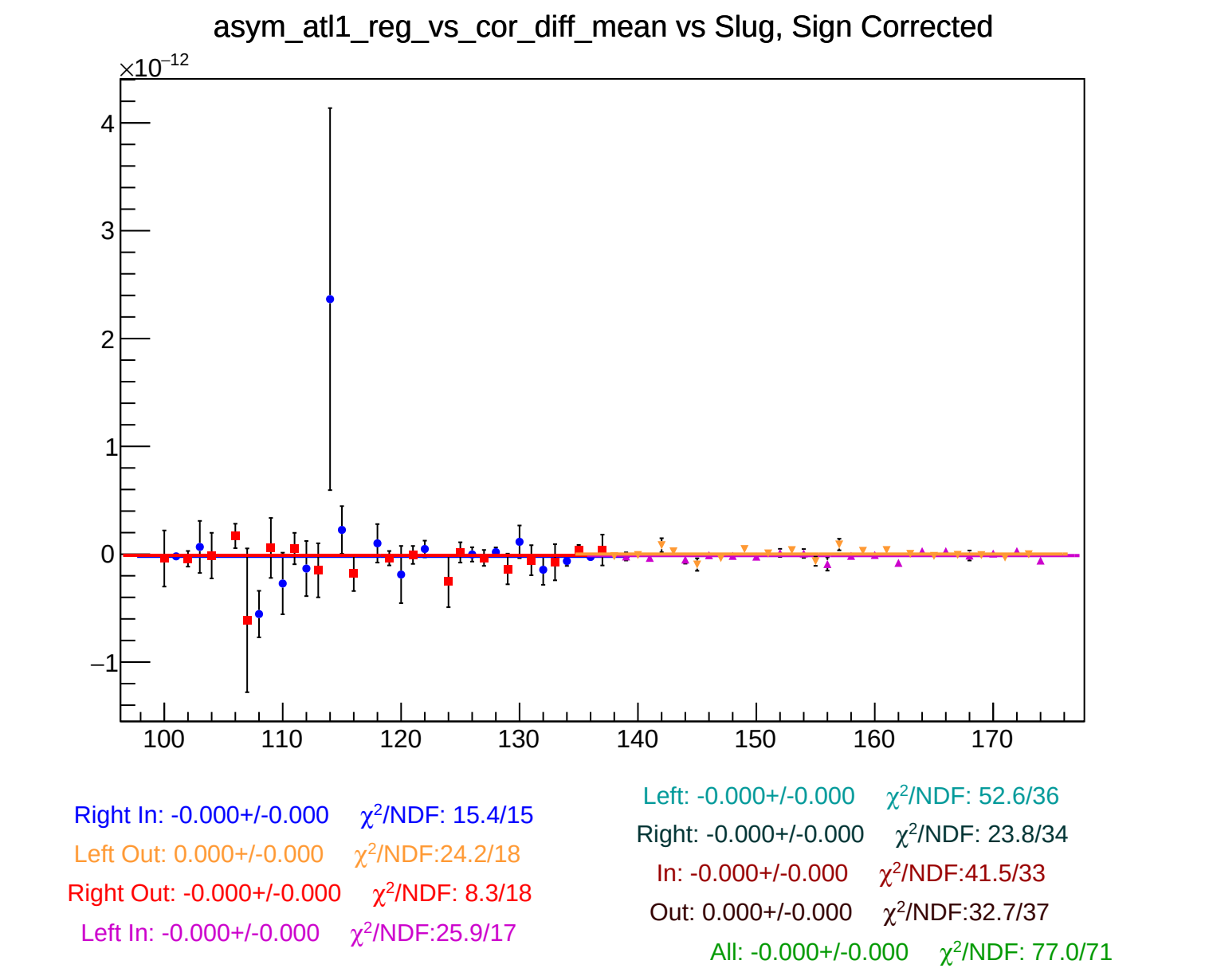
Left: 2544.844+/-0.329 χ^2/NDF: 147644.7/36

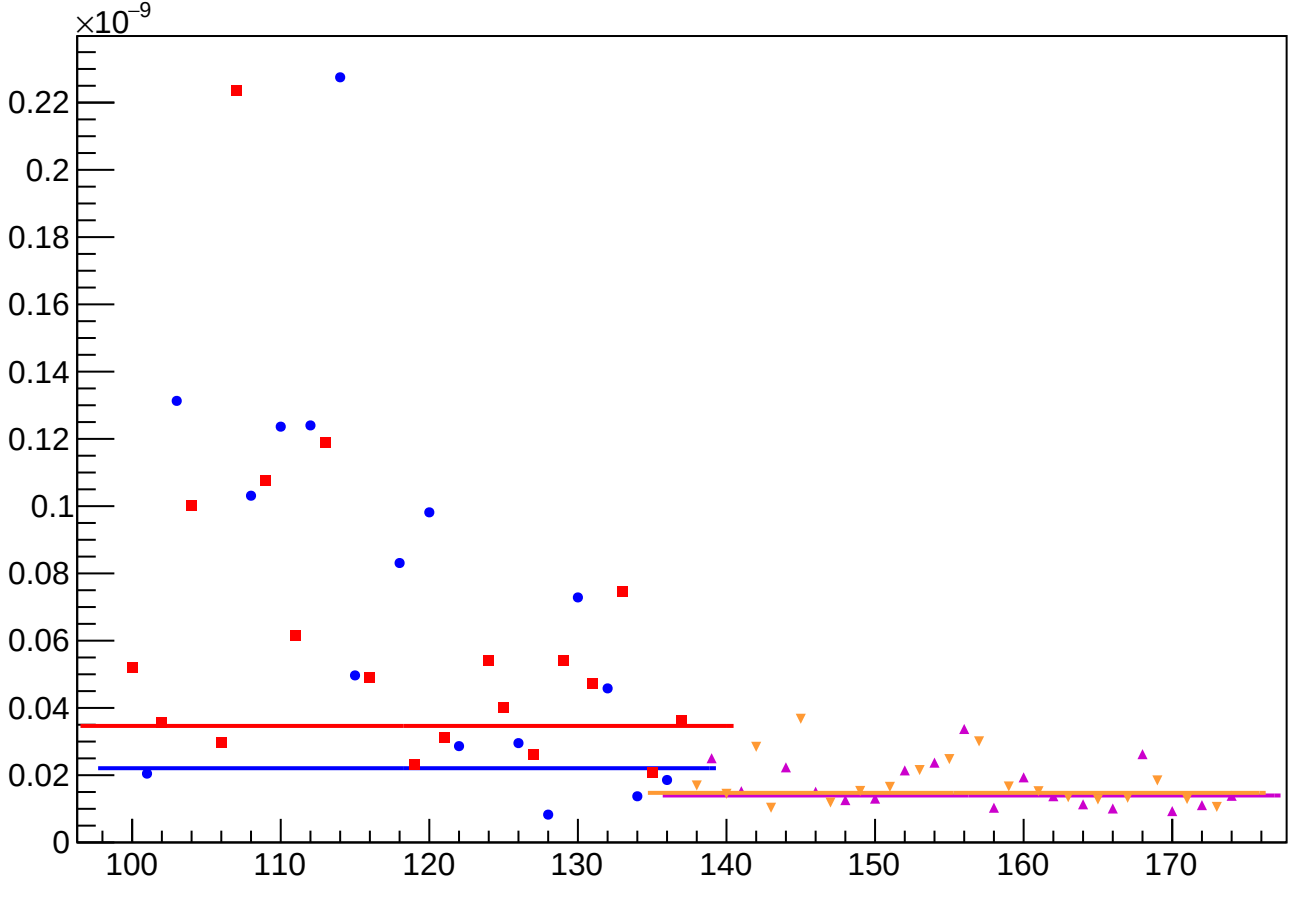
Right: 2920.506+/-0.555 χ^2/NDF: 1644523.2/34

In: 2622.109+/-0.398 χ^2/NDF:827108.2/33

Out: 2663.960+/-0.403 χ^2/NDF:1298442.6/37

All: 2642.756+/-0.283 χ^2/NDF: 2131005.8/71


asym_atl1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.4/15
Left Out: 0.000+/-0.000 χ²/NDF:24.2/18
Right Out: -0.000+/-0.000 χ²/NDF: 8.3/18
Left In: -0.000+/-0.000 χ²/NDF:25.9/17
Left: -0.000+/-0.000 χ²/NDF: 52.6/36
Right: -0.000+/-0.000 χ²/NDF: 23.8/34
In: -0.000+/-0.000 χ²/NDF:41.5/33
Out: 0.000+/-0.000 χ²/NDF:32.7/37
All: -0.000+/-0.000 χ²/NDF: 77.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 2344133.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1036651.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1242991.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1182328.5/17

Left: 0.000+/-0.000 χ^2/NDF: 2234290.4/36

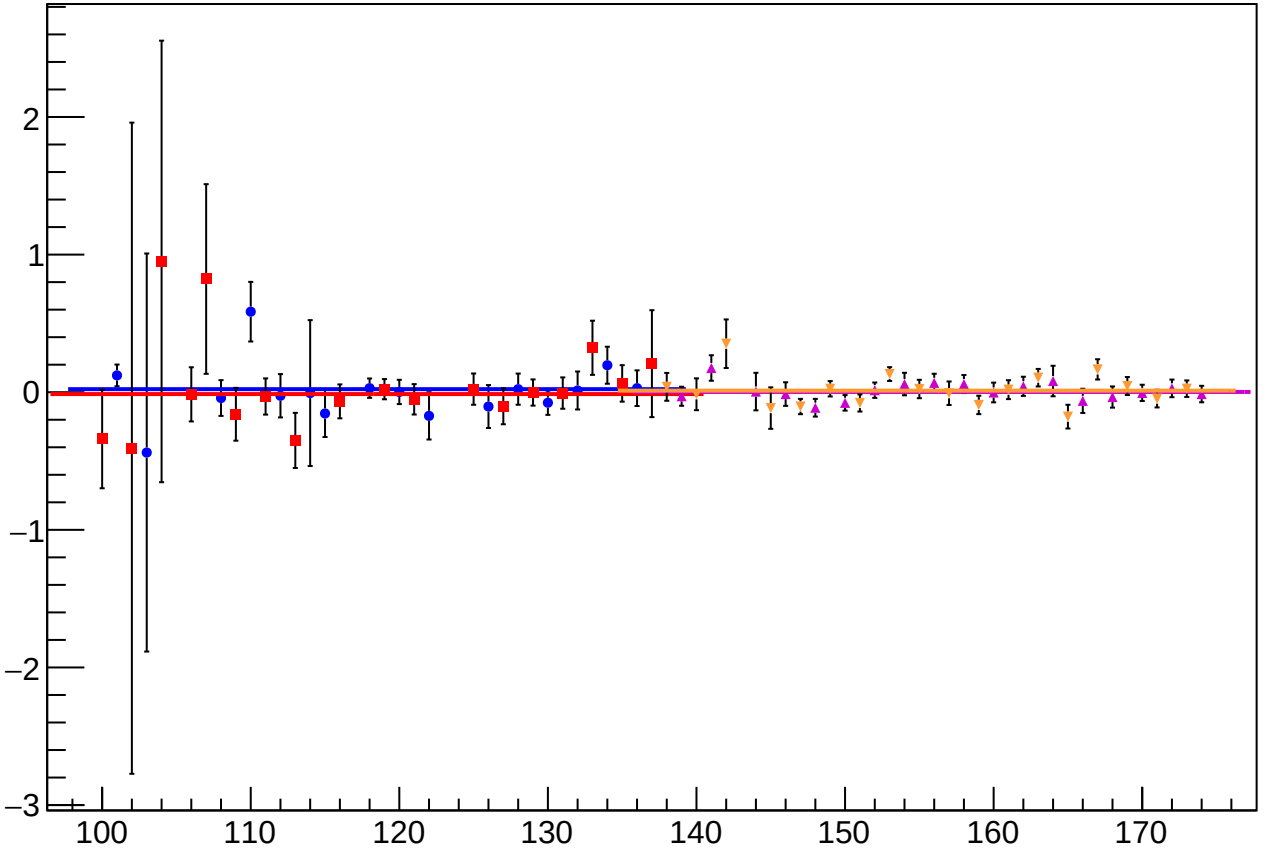
Right: 0.000+/-0.000 χ^2/NDF: 3942150.2/34

In: 0.000+/-0.000 χ^2/NDF:3920356.3/33

Out: 0.000+/-0.000 χ^2/NDF:3524703.9/37

All: 0.000+/-0.000 χ^2/NDF: 7474637.2/71

asym_atl1_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

Left: 0.007+/-0.012 χ^2/NDF: 45.0/35

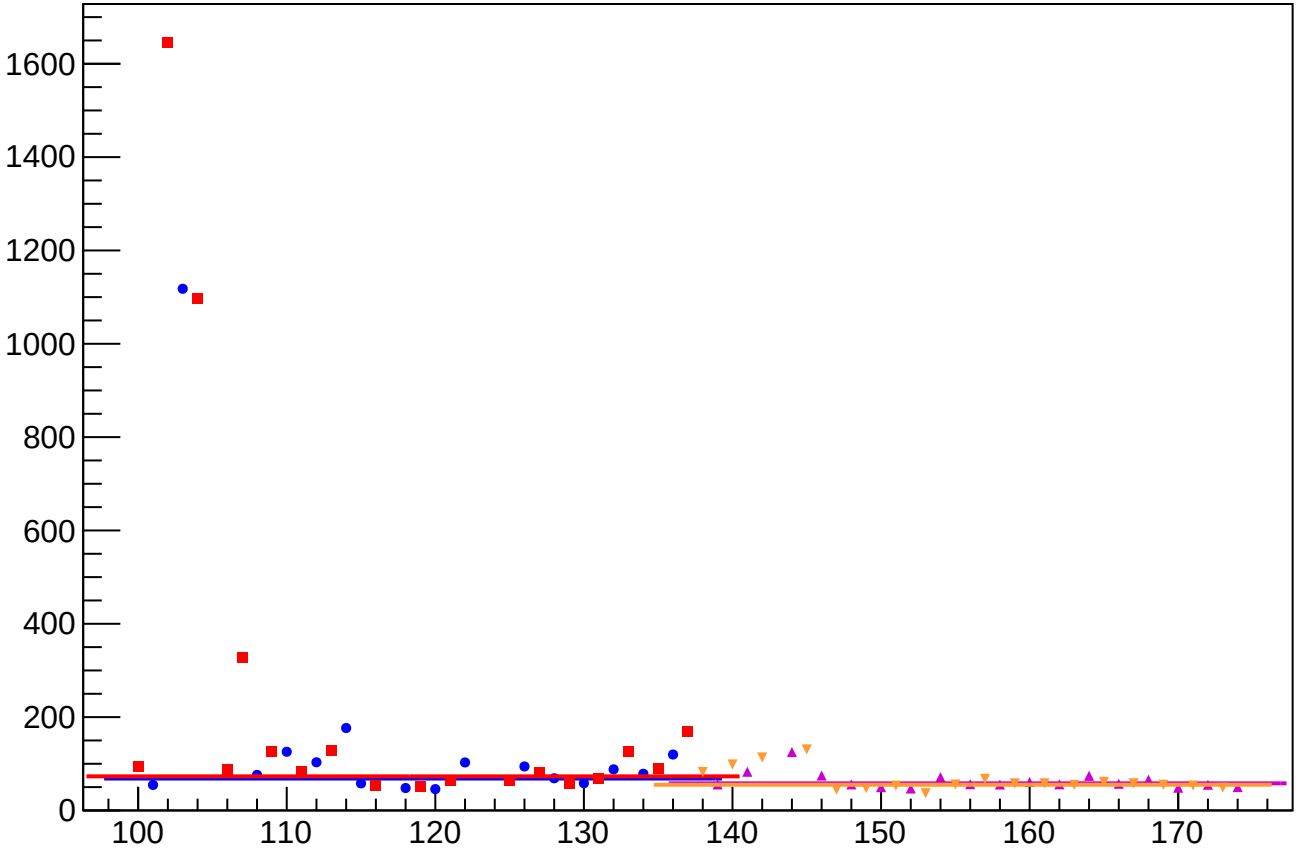
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.007+/-0.015 χ^2/NDF:43.0/35

All: 0.007+/-0.010 χ^2/NDF: 71.3/69

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: 55.096+/-0.012 χ^2/NDF:1611755.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

Left: 56.569+/-0.008 χ^2/NDF: 2688345.6/35

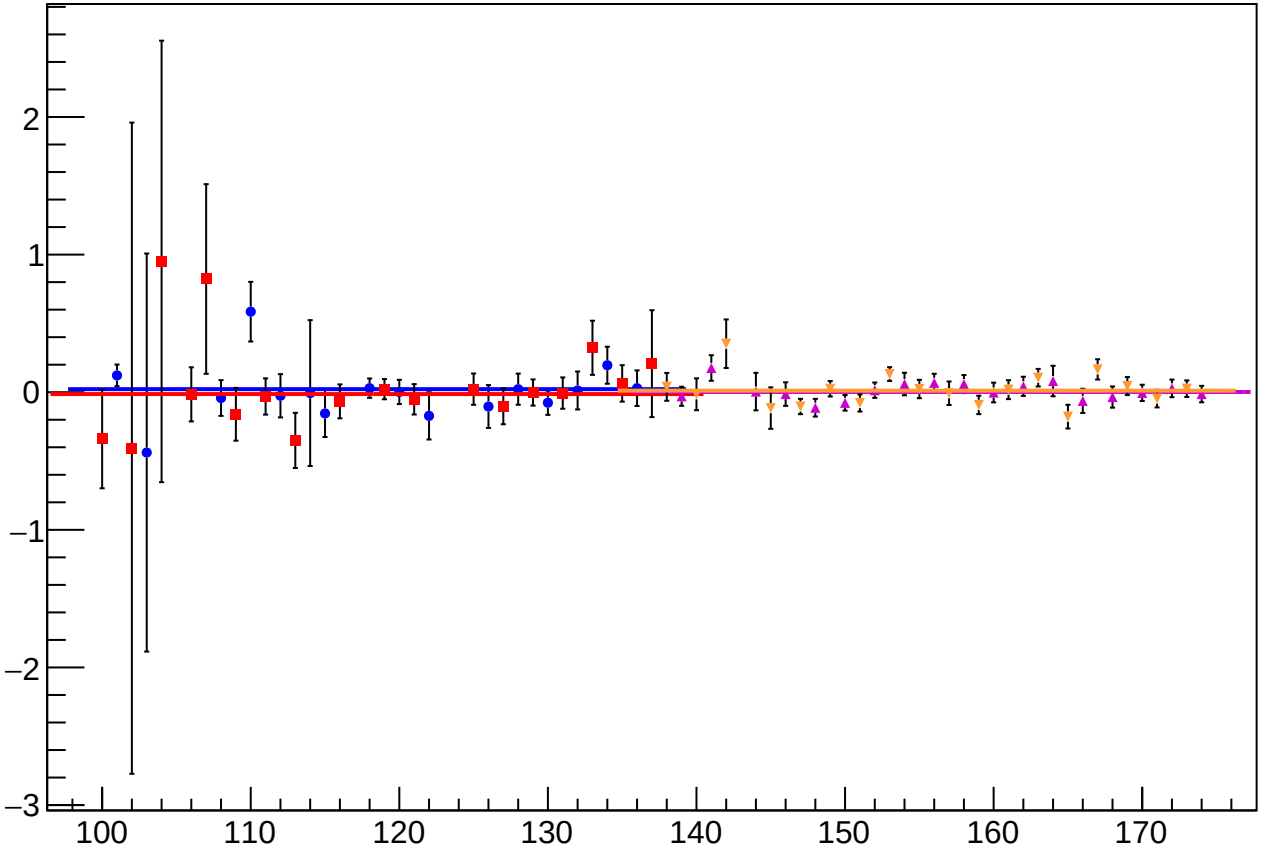
Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.500+/-0.010 χ^2/NDF:3503245.2/33

Out: 58.617+/-0.010 χ^2/NDF:4988583.5/35

All: 59.573+/-0.007 χ^2/NDF: 8508218.3/69

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

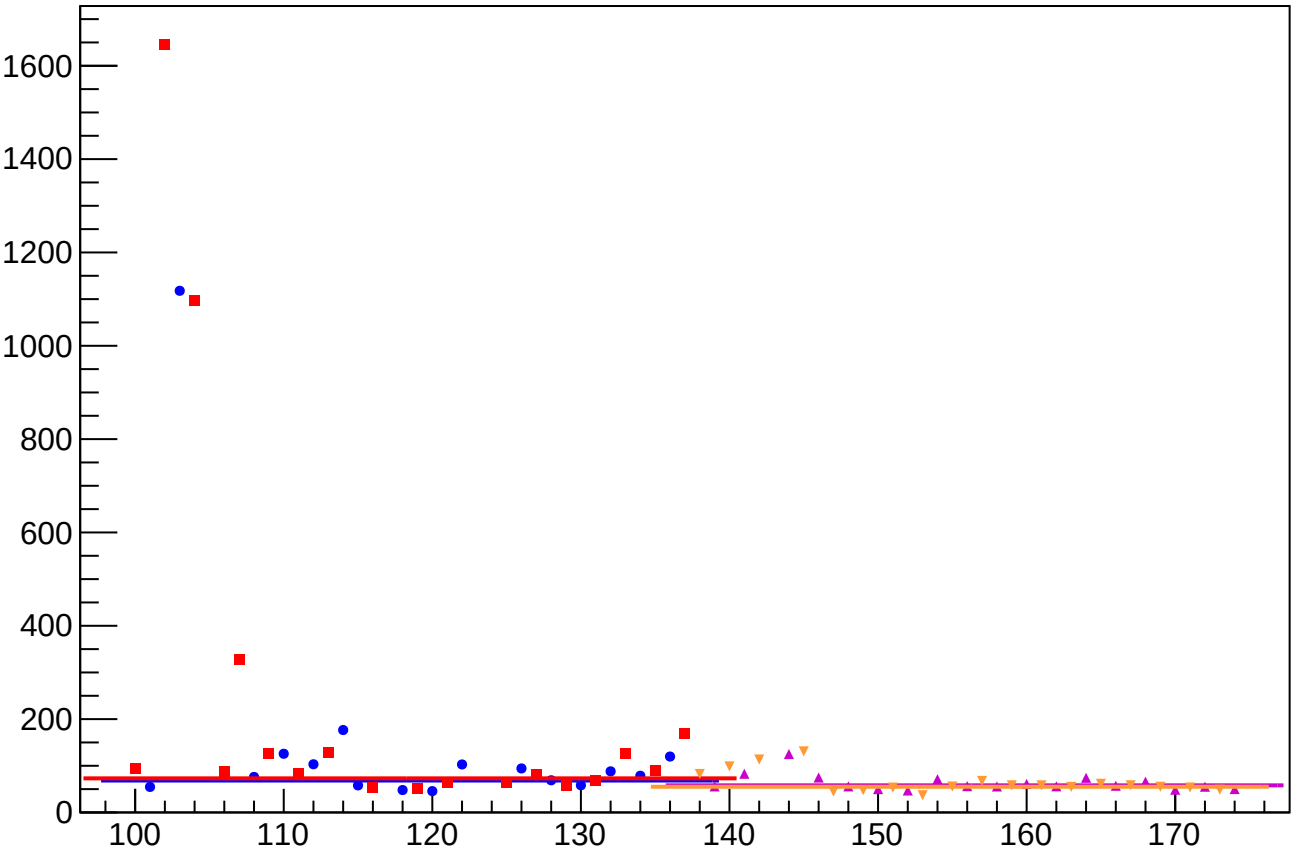
Left: 0.007+/-0.012 χ^2/NDF: 45.0/35

Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.007+/-0.015 χ^2/NDF:43.0/35

All: 0.007+/-0.010 χ^2/NDF: 71.3/69



Right In: 68.429+/-0.021 χ^2/NDF: 2278083.9/15

Left Out: 55.096+/-0.012 χ^2/NDF:1611755.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913147.6/17

Left In: 58.072+/-0.012 χ^2/NDF:1044474.7/17

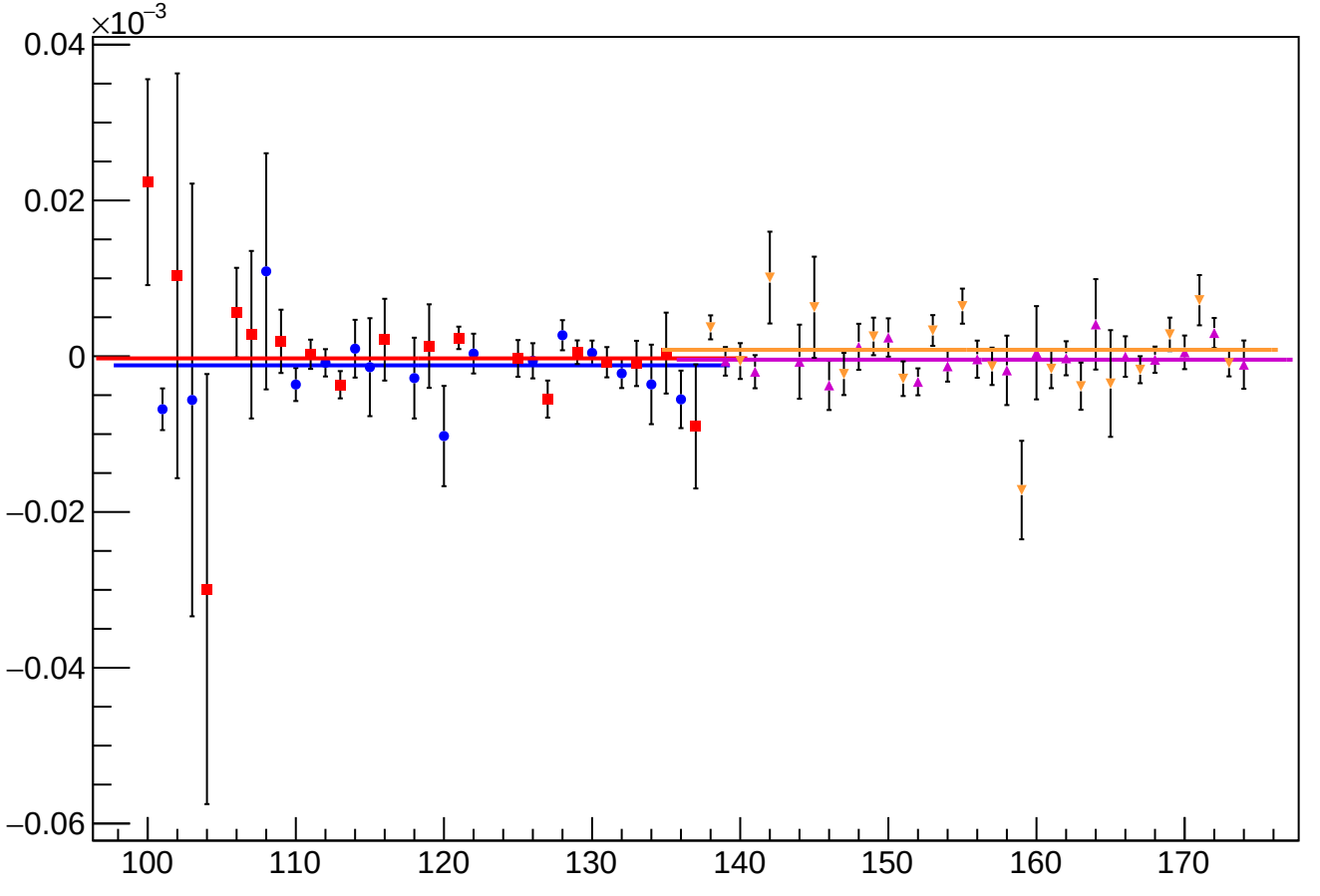
Left: 56.569+/-0.008 χ^2/NDF: 2688345.6/35

Right: 70.509+/-0.016 χ^2/NDF: 5212470.4/33

In: 60.500+/-0.010 χ^2/NDF:3503245.2/33

Out: 58.617+/-0.010 χ^2/NDF:4988583.5/35

All: 59.573+/-0.007 χ^2/NDF: 8508218.3/69



Right In: -0.000+/-0.000 χ^2/NDF: 16.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/17

Left: 0.000+/-0.000 χ^2/NDF: 52.8/35

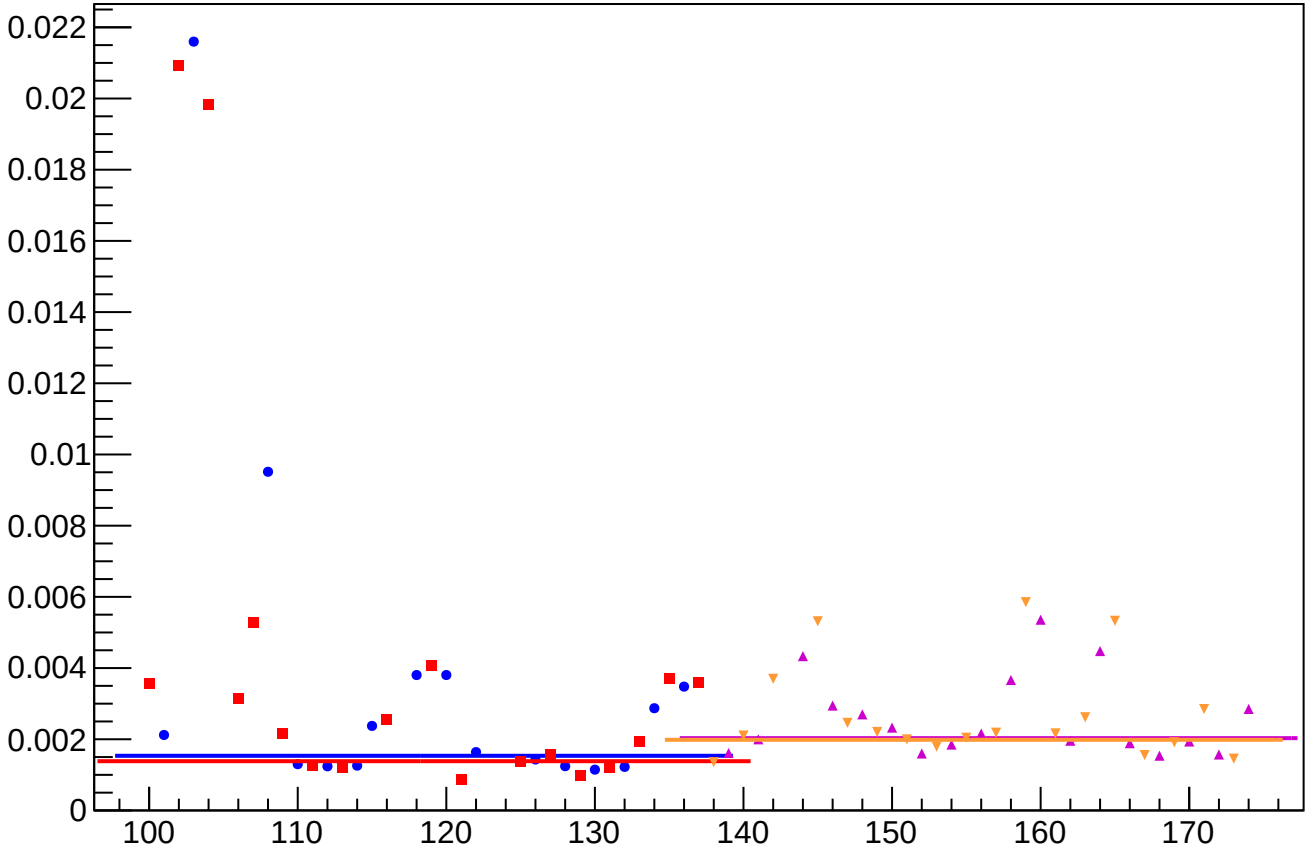
Right: -0.000+/-0.000 χ^2/NDF: 36.8/33

In: -0.000+/-0.000 χ^2/NDF:27.3/33

Out: 0.000+/-0.000 χ^2/NDF:61.2/35

All: -0.000+/-0.000 χ^2/NDF: 91.8/69

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3373907.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:2925771.1/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4269081.2/17

Left In: 0.002+/-0.000 χ^2/NDF:2695484.8/17

Left: 0.002+/-0.000 χ^2/NDF: 5627976.7/35

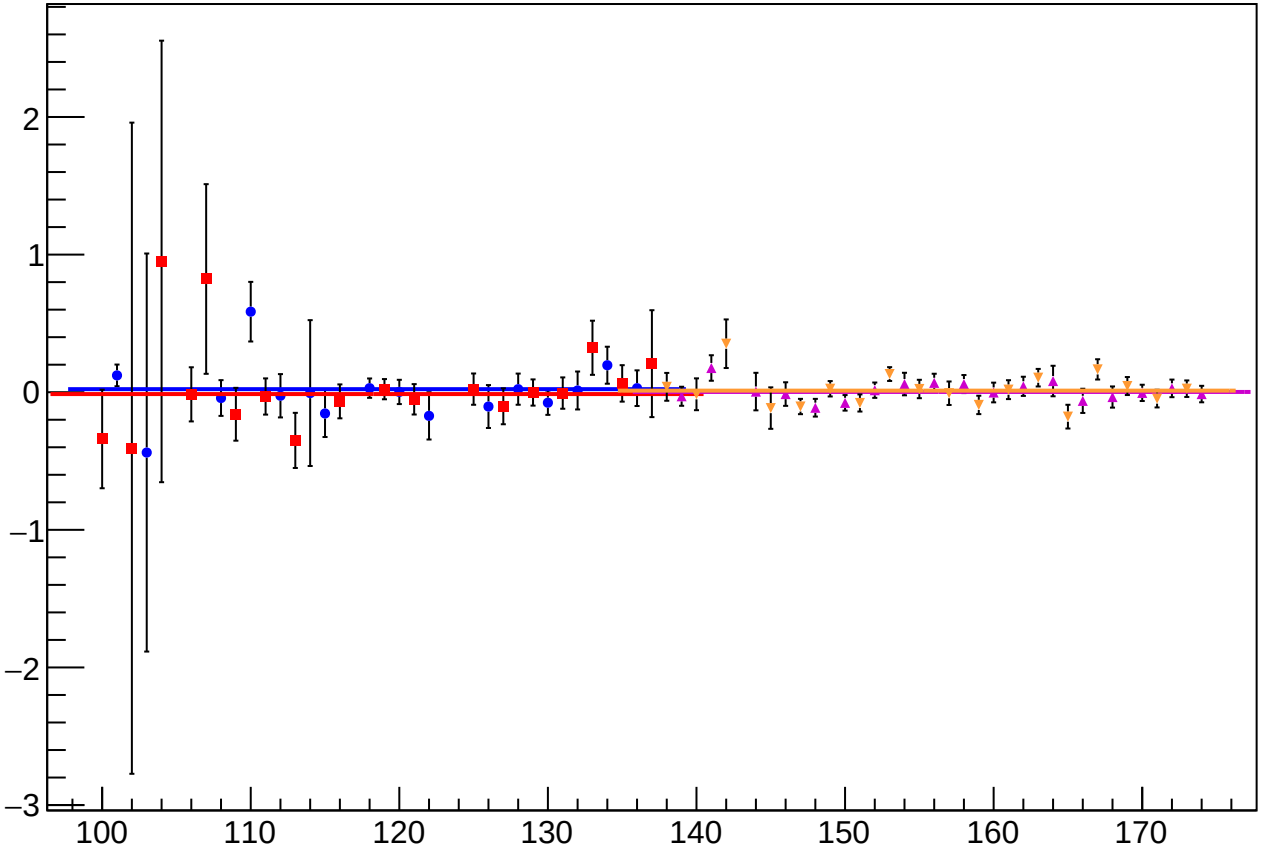
Right: 0.001+/-0.000 χ^2/NDF: 7697891.2/33

In: 0.002+/-0.000 χ^2/NDF:6713562.4/33

Out: 0.002+/-0.000 χ^2/NDF:8194279.7/35

All: 0.002+/-0.000 χ^2/NDF: 14968949.1/69

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

Left: 0.007+/-0.012 χ^2/NDF: 45.0/35

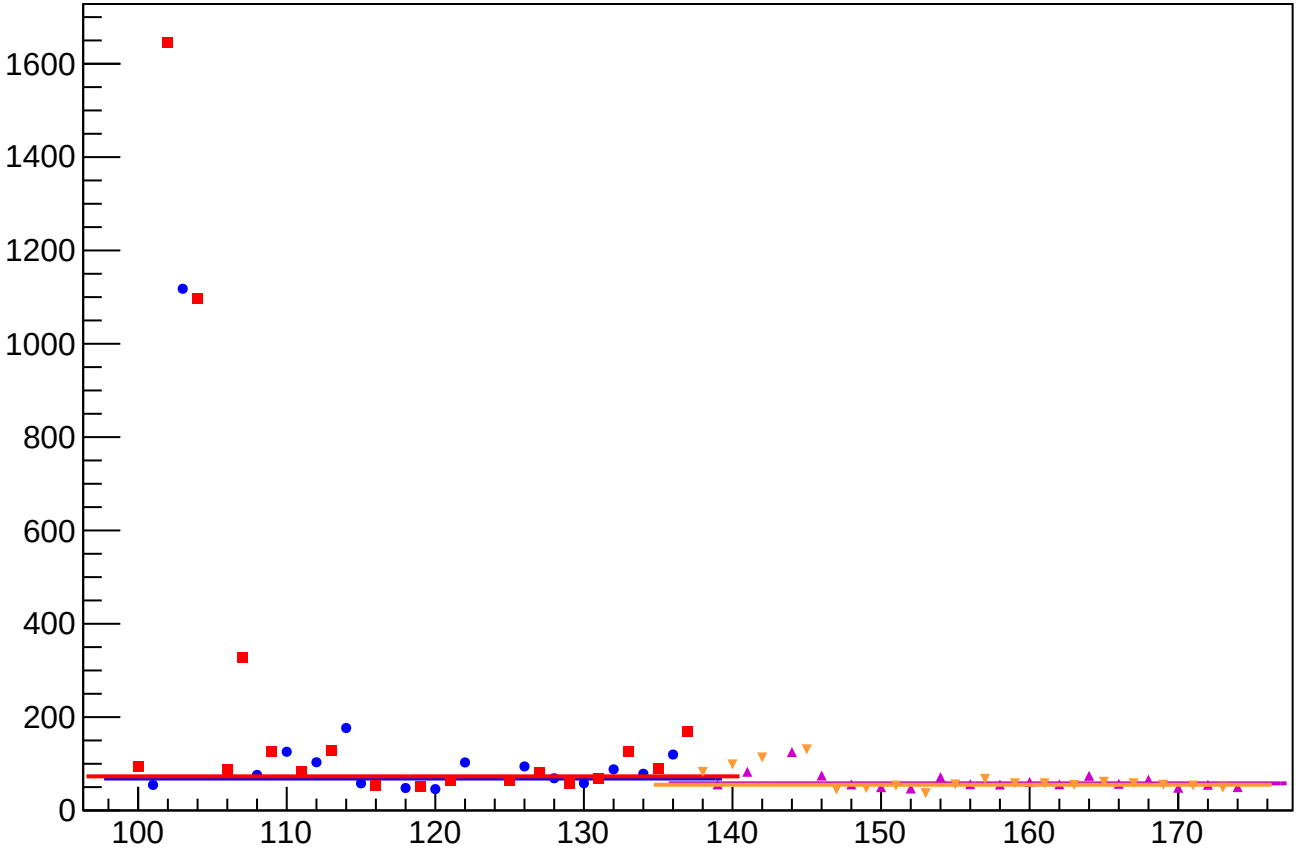
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.007+/-0.015 χ^2/NDF:43.1/35

All: 0.007+/-0.010 χ^2/NDF: 71.3/69

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.096+/-0.012 χ^2/NDF:1611827.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

Left: 56.569+/-0.008 χ^2/NDF: 2688398.2/35

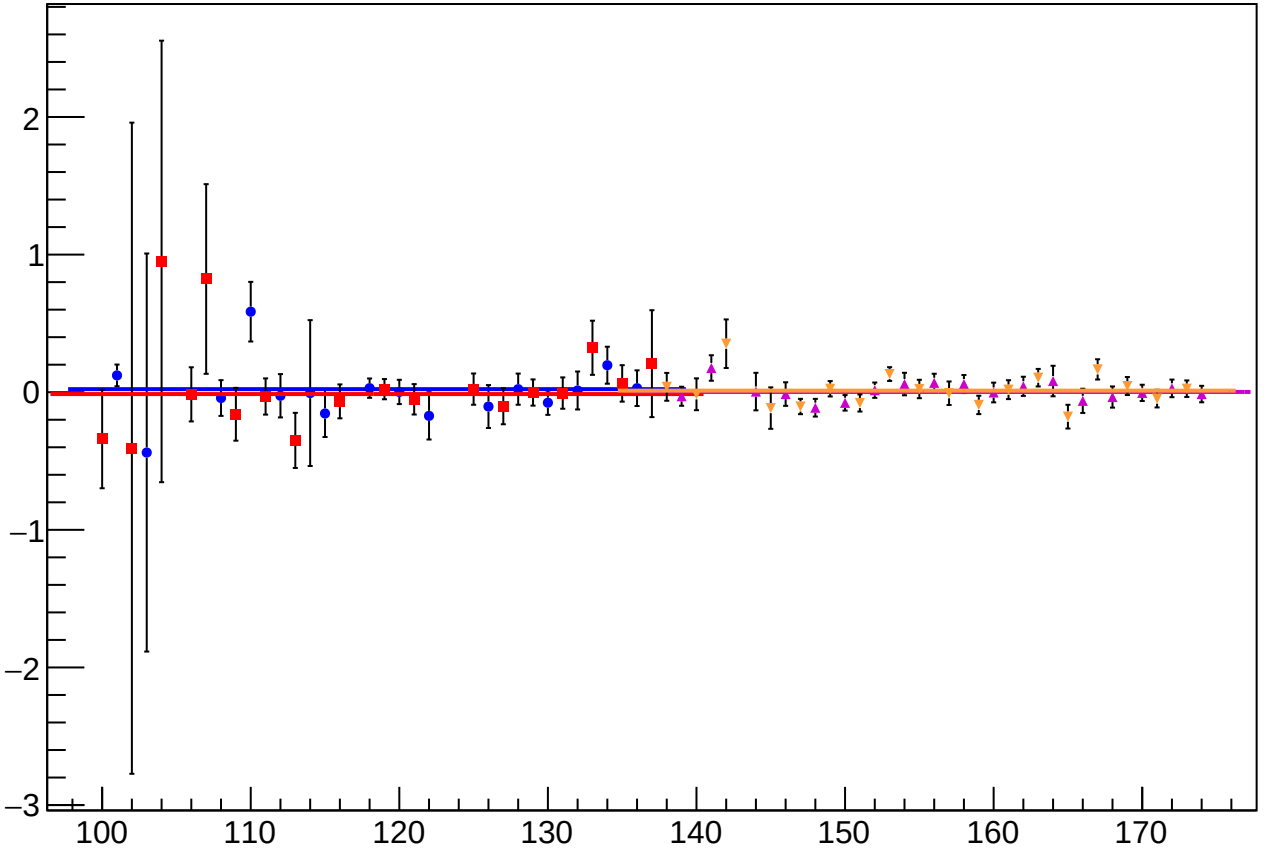
Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.500+/-0.010 χ^2/NDF:3503267.7/33

Out: 58.617+/-0.010 χ^2/NDF:4988646.7/35

All: 59.573+/-0.007 χ^2/NDF: 8508304.8/69

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.030 χ^2/NDF: 14.8/15

Left Out: 0.012+/-0.017 χ^2/NDF:31.8/17

Right Out: -0.013+/-0.033 χ^2/NDF: 10.8/17

Left In: 0.002+/-0.017 χ^2/NDF:13.1/17

Left: 0.007+/-0.012 χ^2/NDF: 45.0/35

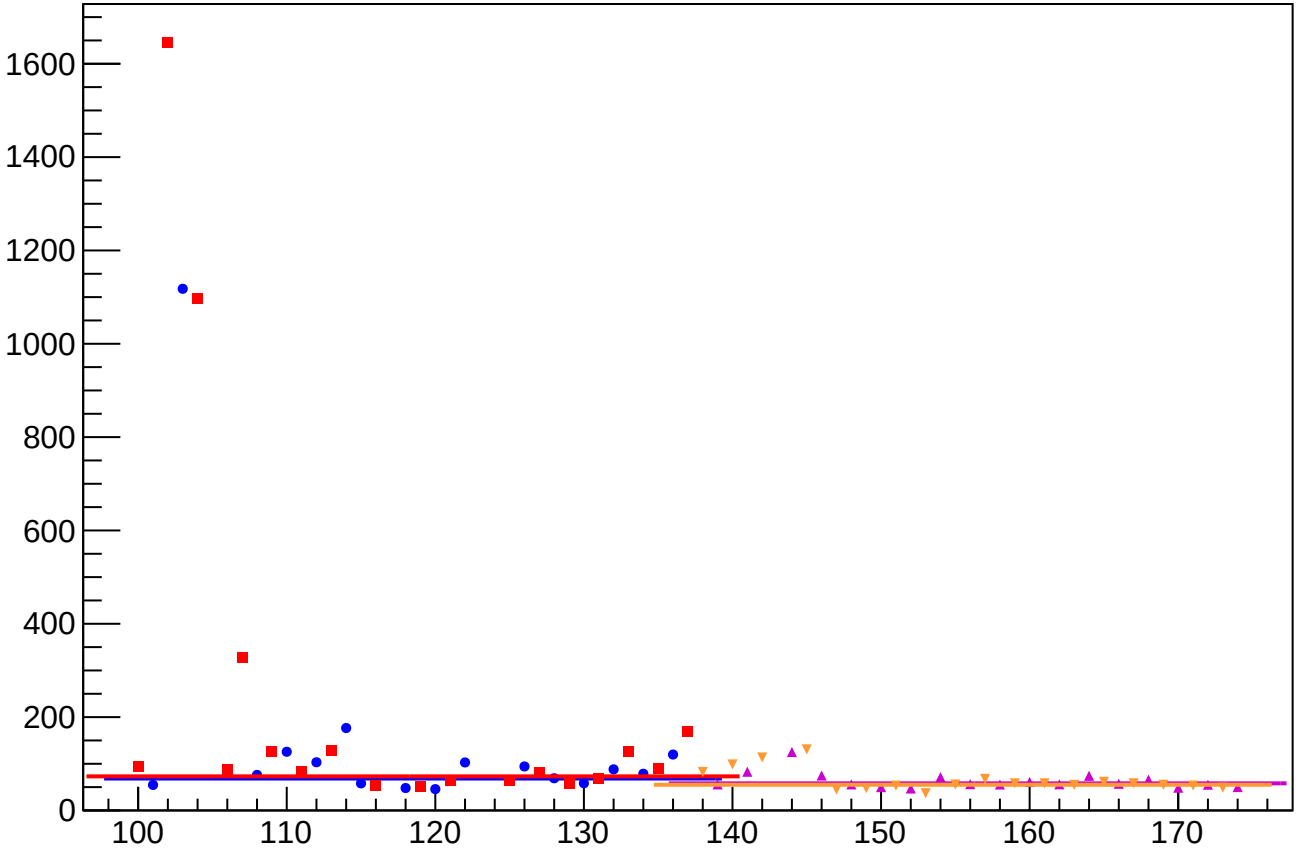
Right: 0.006+/-0.022 χ^2/NDF: 26.3/33

In: 0.007+/-0.015 χ^2/NDF:28.2/33

Out: 0.007+/-0.015 χ^2/NDF:43.1/35

All: 0.007+/-0.010 χ^2/NDF: 71.3/69

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.428+/-0.021 χ^2/NDF: 2278168.9/15

Left Out: 55.096+/-0.012 χ^2/NDF:1611827.6/17

Right Out: 73.072+/-0.024 χ^2/NDF: 2913161.9/17

Left In: 58.072+/-0.012 χ^2/NDF:1044450.7/17

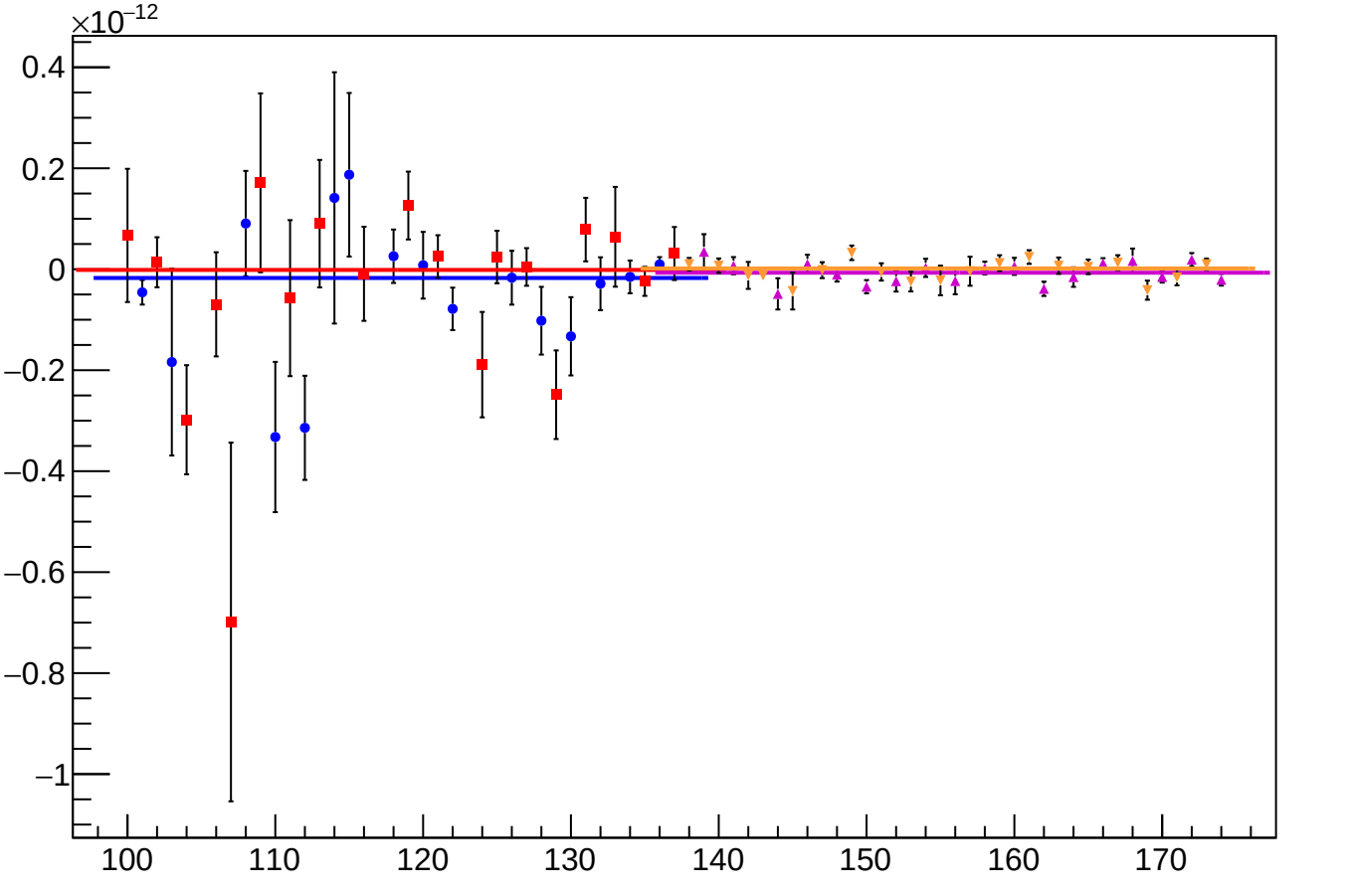
Left: 56.569+/-0.008 χ^2/NDF: 2688398.2/35

Right: 70.508+/-0.016 χ^2/NDF: 5212574.0/33

In: 60.500+/-0.010 χ^2/NDF:3503267.7/33

Out: 58.617+/-0.010 χ^2/NDF:4988646.7/35

All: 59.573+/-0.007 χ^2/NDF: 8508304.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/18

Left In: -0.000+/-0.000 χ^2/NDF:27.2/17

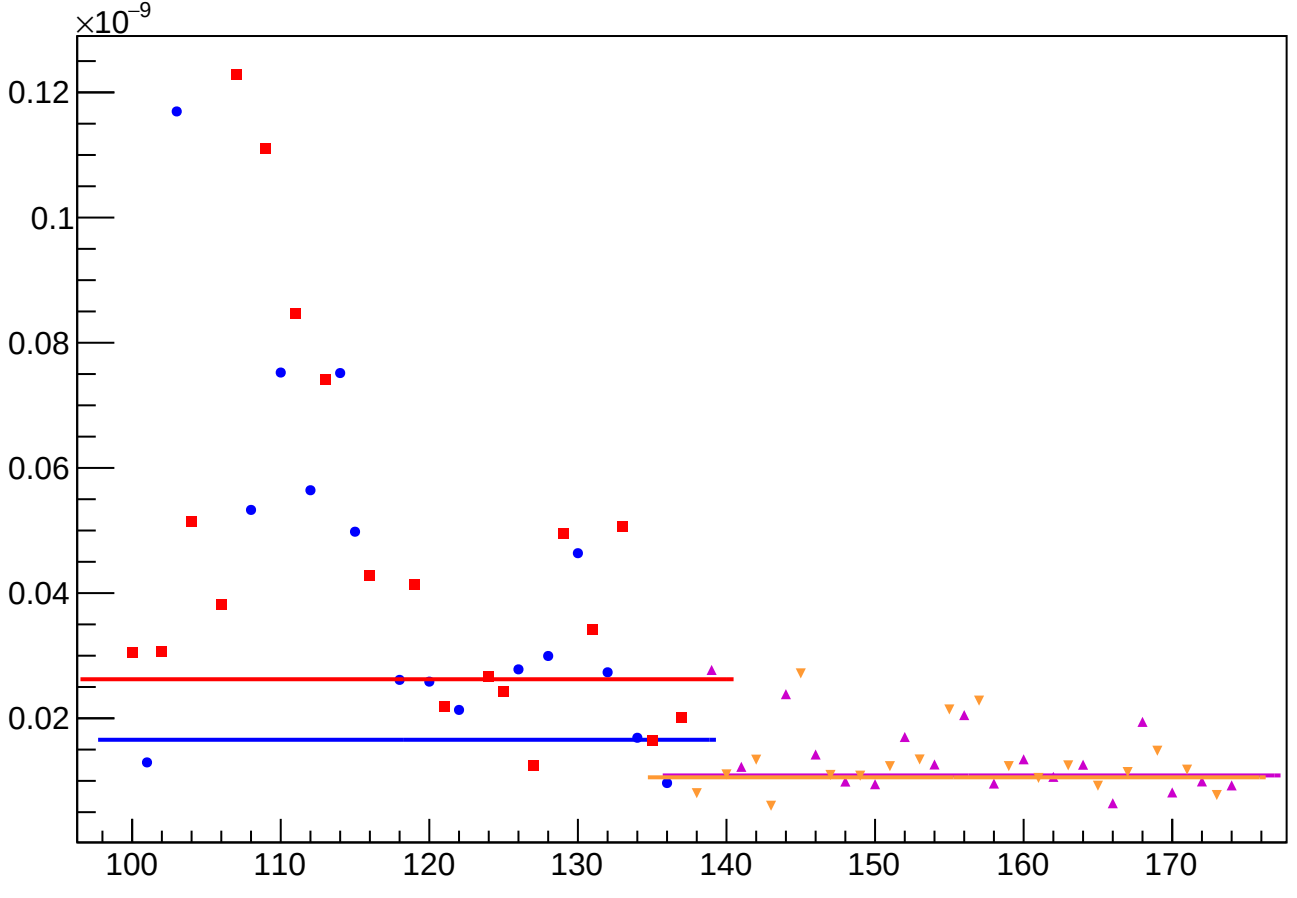
Left: -0.000+/-0.000 χ^2/NDF: 53.0/36

Right: -0.000+/-0.000 χ^2/NDF: 61.4/34

In: -0.000+/-0.000 χ^2/NDF:56.4/33

Out: 0.000+/-0.000 χ^2/NDF:55.3/37

All: -0.000+/-0.000 χ^2/NDF: 115.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 2823424.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2014589.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2346394.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2273484.0/17

Left: 0.000+/-0.000 χ^2/NDF: 4295110.2/36

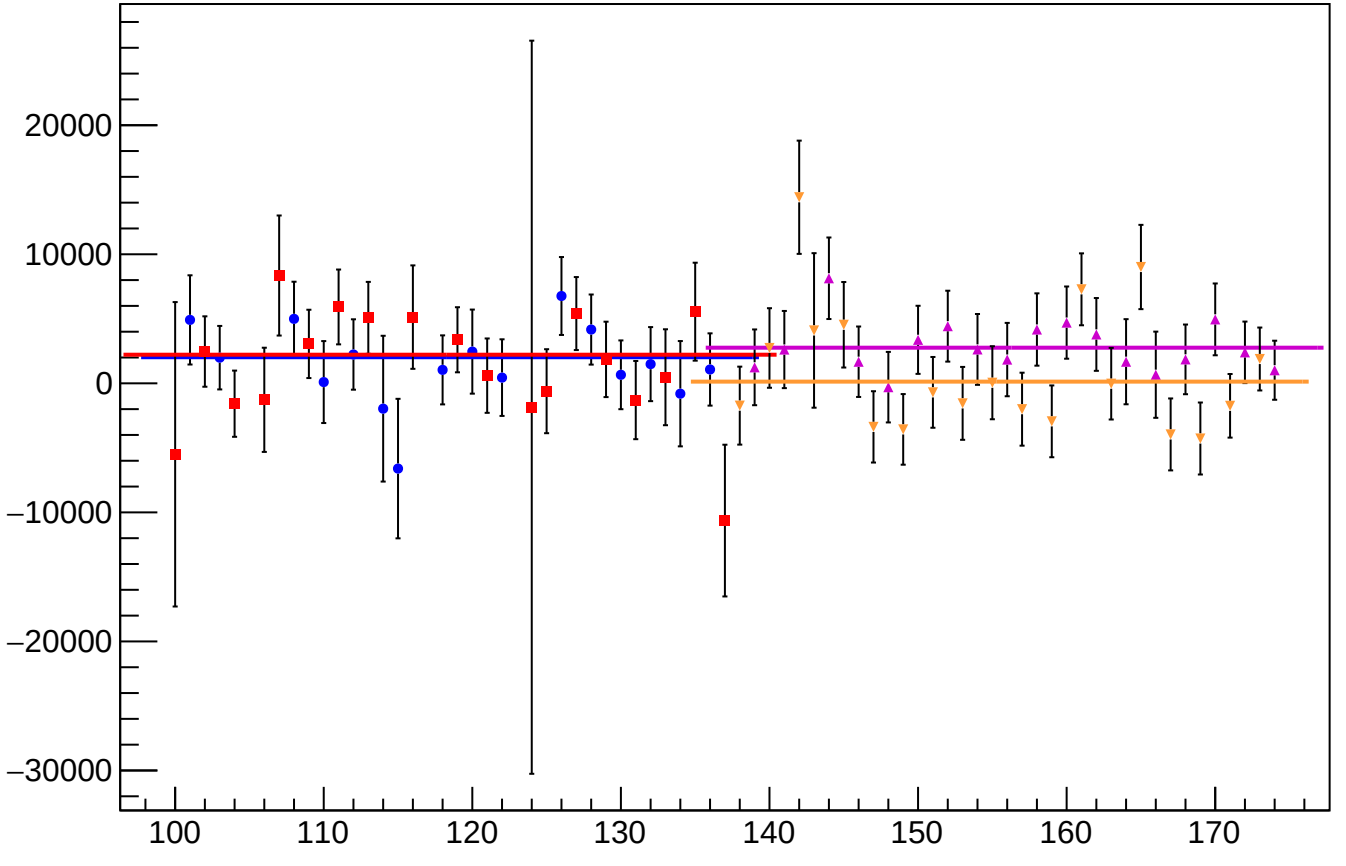
Right: 0.000+/-0.000 χ^2/NDF: 5786992.3/34

In: 0.000+/-0.000 χ^2/NDF:5671816.5/33

Out: 0.000+/-0.000 χ^2/NDF:6636167.0/37

All: 0.000+/-0.000 χ^2/NDF: 12308243.0/71

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.690+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.970+/-669.583 χ^2/NDF:39.3/18

Right Out: 2217.261+/-756.139 χ^2/NDF: 18.1/18

Left In: 2760.938+/-655.856 χ^2/NDF:7.8/17

Left: 1473.677+/-468.538 χ^2/NDF: 55.0/36

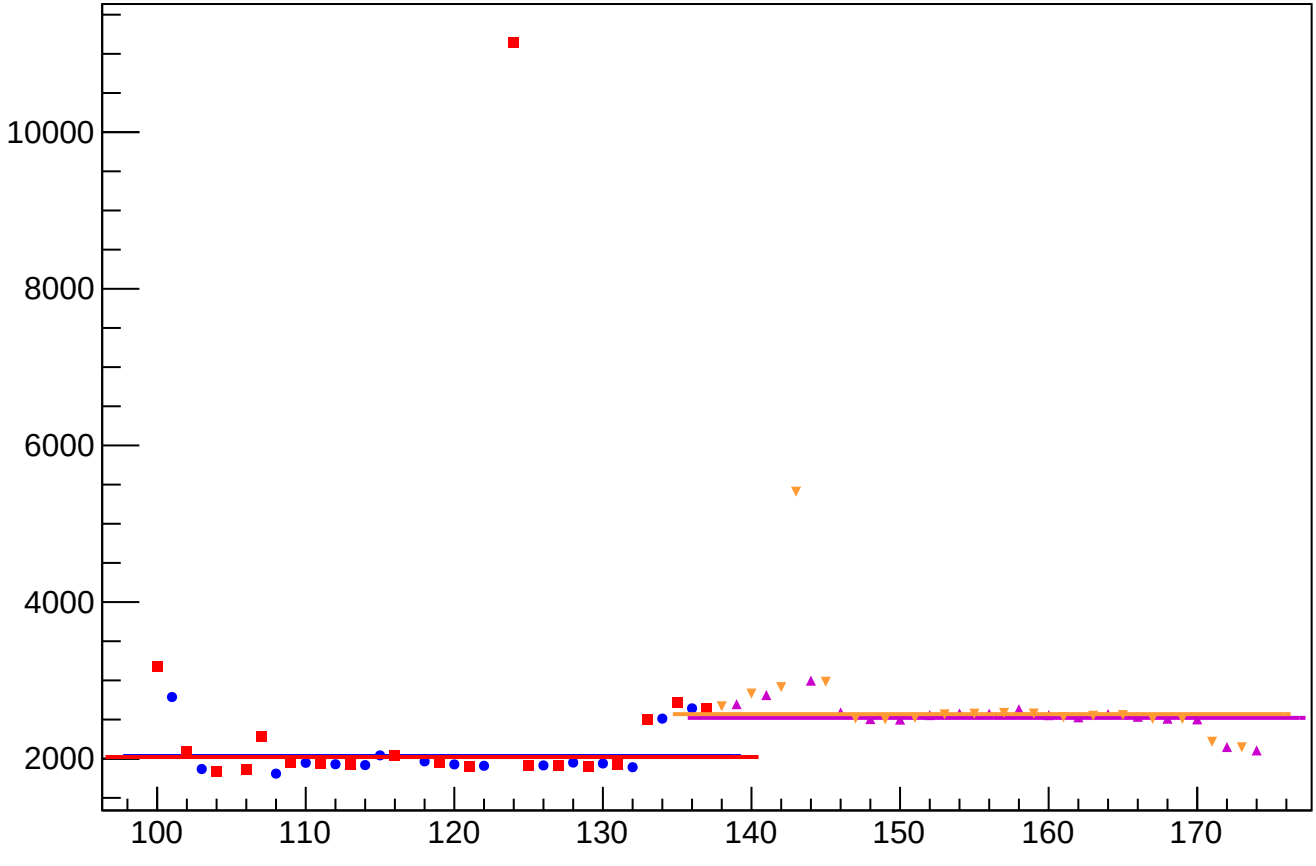
Right: 2121.027+/-537.553 χ^2/NDF: 27.8/34

In: 2447.887+/-497.740 χ^2/NDF:18.0/33

Out: 1048.481+/-501.288 χ^2/NDF:61.7/37

All: 1753.154+/-353.203 χ^2/NDF: 83.6/71

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.7/15

Left Out: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.545+/-0.535 χ^2/NDF: 390321.3/18

Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

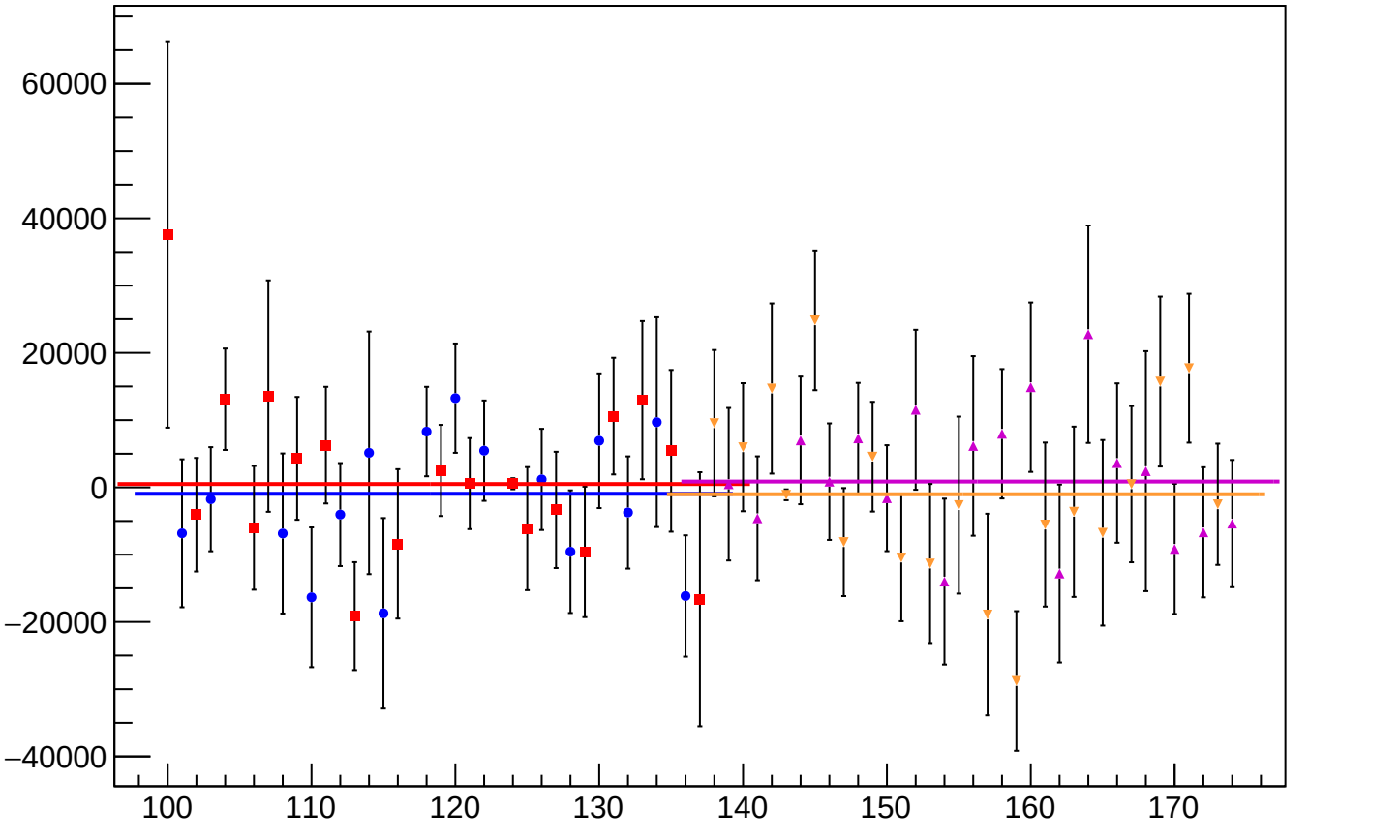
Left: 2544.785+/-0.331 χ^2/NDF: 815502.7/36

Right: 2027.784+/-0.380 χ^2/NDF: 653557.3/34

In: 2314.896+/-0.352 χ^2/NDF:925011.1/33

Out: 2328.366+/-0.354 χ^2/NDF:1594629.6/37

All: 2321.583+/-0.250 χ^2/NDF: 2520367.9/71



Right In: -950.519+/-2278.532 χ^2/NDF: 15.3/15

Left Out: -1020.917+/-769.075 χ^2/NDF:25.8/18

Right Out: 497.346+/-768.286 χ^2/NDF: 18.5/18

Left In: 866.826+/-2472.618 χ^2/NDF:10.8/17

Left: -854.399+/-734.372 χ^2/NDF: 37.1/36

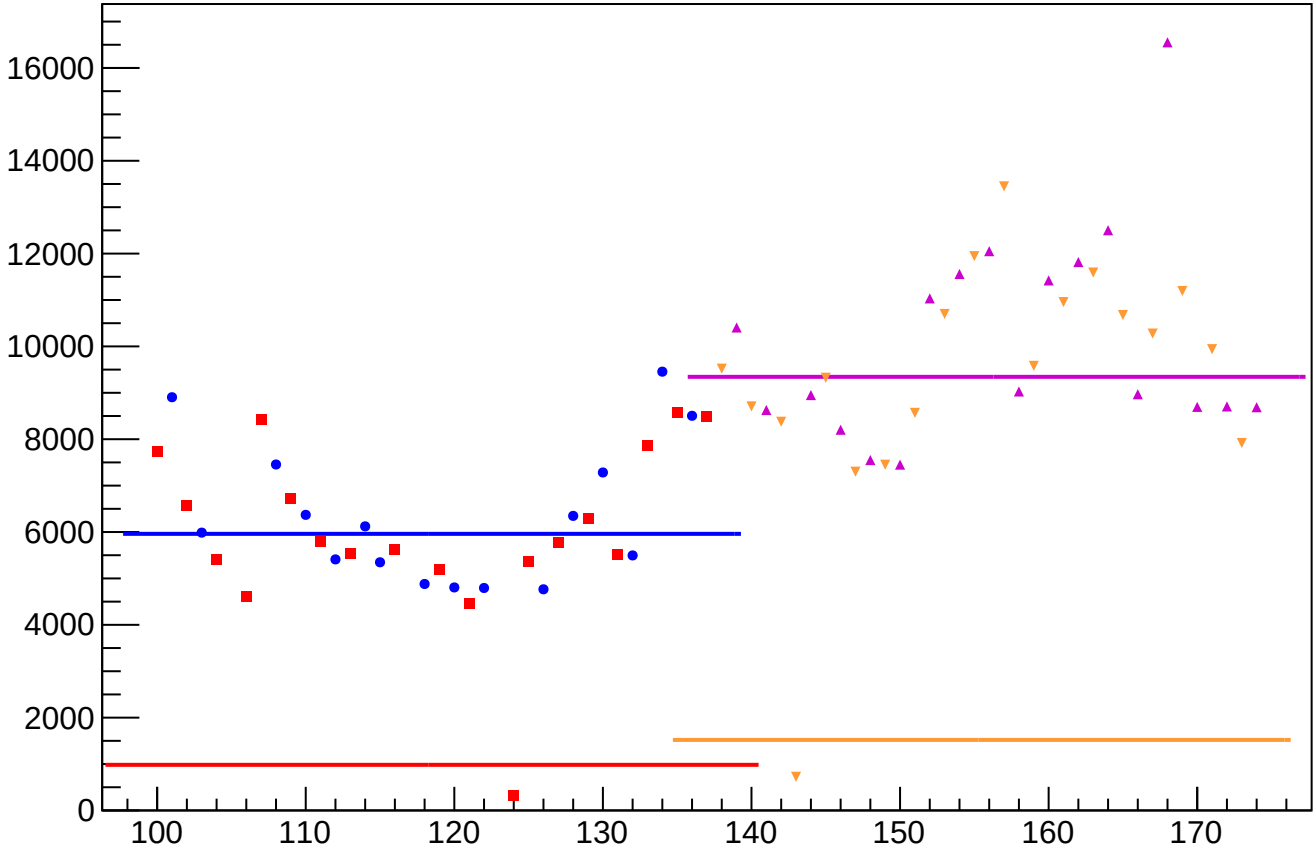
Right: 349.538+/-728.015 χ^2/NDF: 34.2/34

In: -115.962+/-1675.584 χ^2/NDF:26.4/33

Out: -261.007+/-543.539 χ^2/NDF:46.3/37

All: -247.197+/-517.017 χ^2/NDF: 72.6/71

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 5960.802+/-1.611 χ^2/NDF: 689267.6/15

Left Out: 1520.335+/-0.544 χ^2/NDF:21836810.6/18

Right Out: 983.316+/-0.543 χ^2/NDF: 11416689.8/18

Left In: 9344.134+/-1.748 χ^2/NDF:1023624.4/17

Left: 2210.473+/-0.519 χ^2/NDF: 41118143.1/36

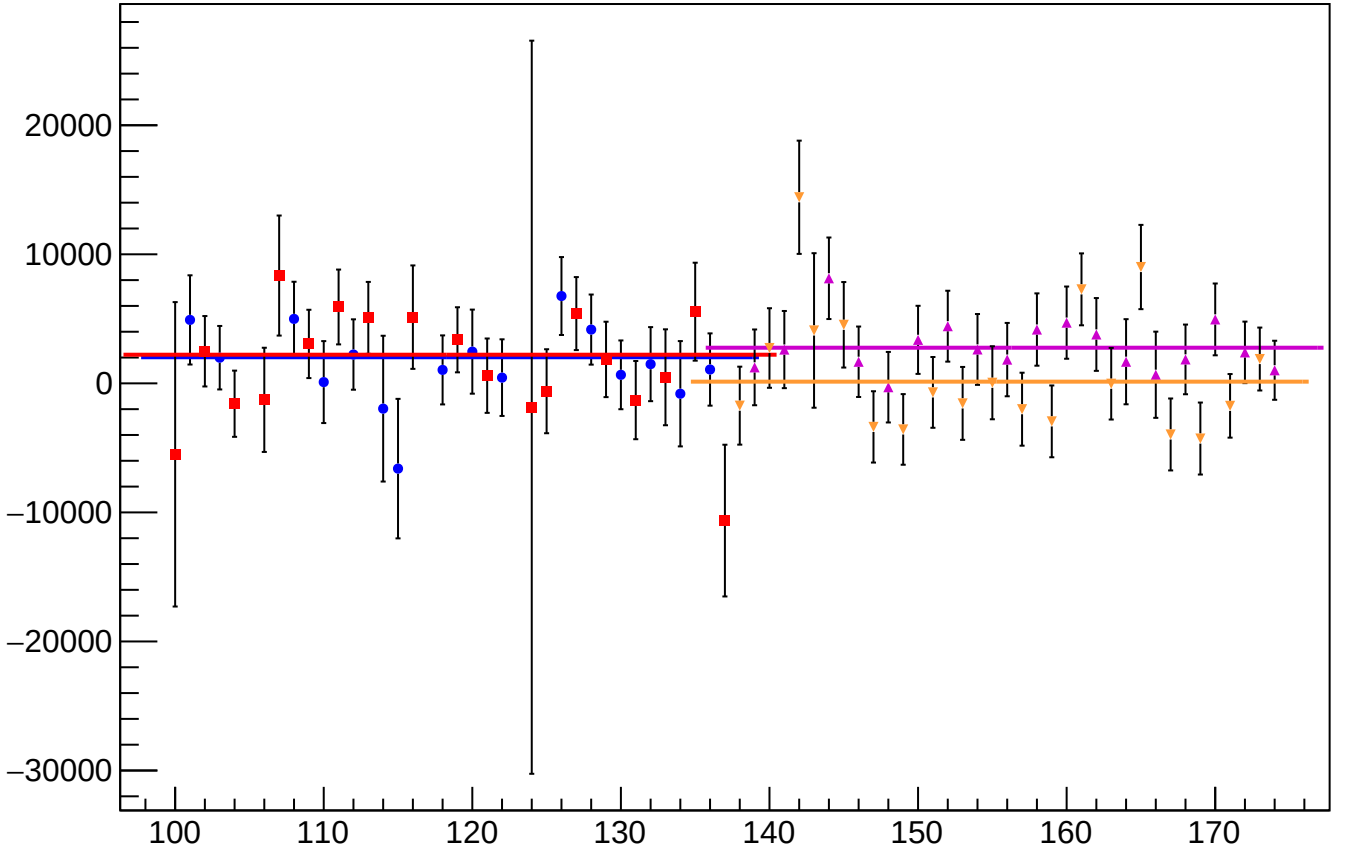
Right: 1491.453+/-0.515 χ^2/NDF: 20675824.3/34

In: 7514.488+/-1.185 χ^2/NDF:3737905.2/33

Out: 1251.550+/-0.384 χ^2/NDF:33741574.9/37

All: 1847.837+/-0.366 χ^2/NDF: 62760928.4/7

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.997+/-669.583 χ^2/NDF:39.3/18

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2760.973+/-655.856 χ^2/NDF:7.8/17

Left: 1473.708+/-468.538 χ^2/NDF: 55.0/36

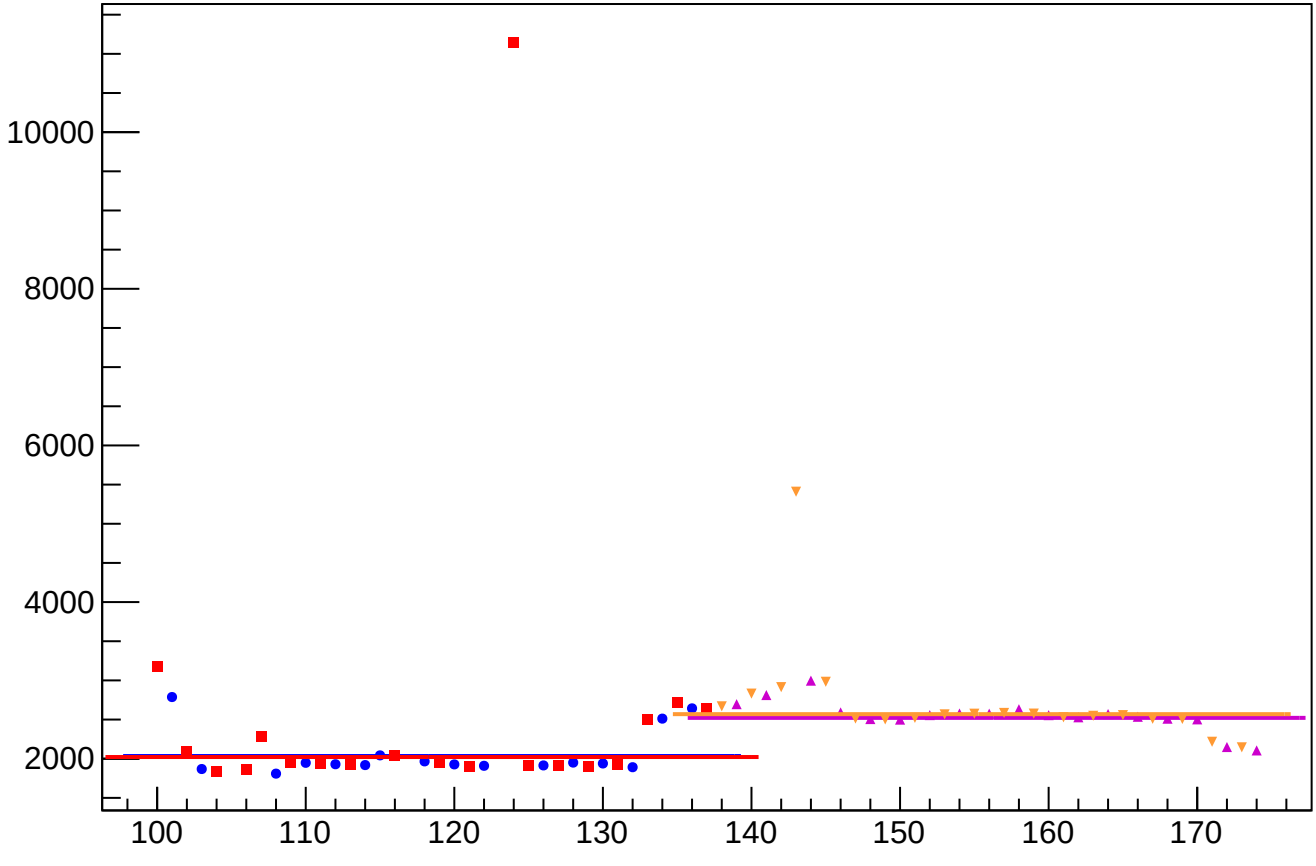
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2447.961+/-497.740 χ^2/NDF:18.0/33

Out: 1049.294+/-501.290 χ^2/NDF:61.7/37

All: 1753.598+/-353.204 χ^2/NDF: 83.6/71

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

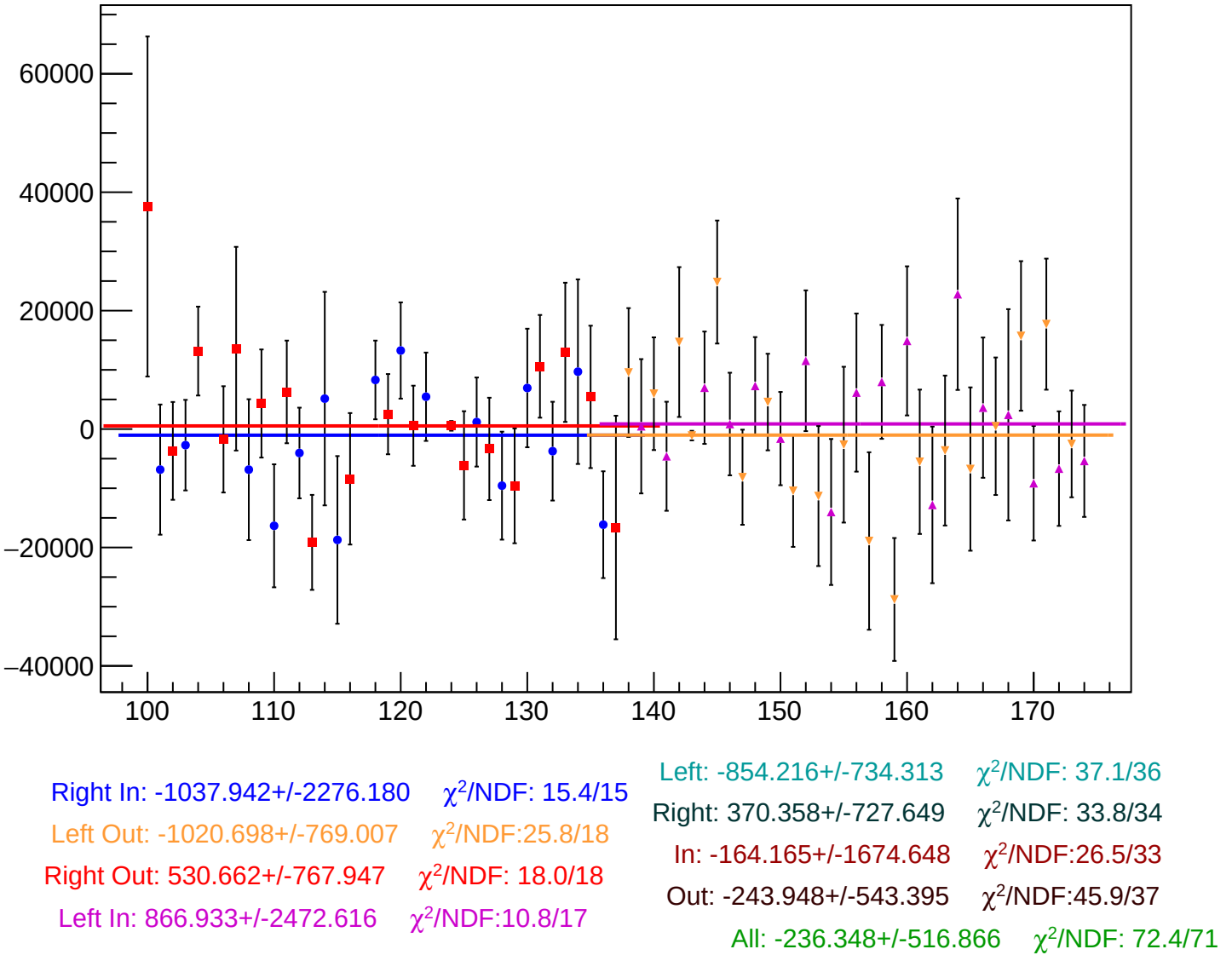
Left: 2544.785+/-0.331 χ^2/NDF: 815502.7/36

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2314.896+/-0.352 χ^2/NDF:925011.3/33

Out: 2328.378+/-0.354 χ^2/NDF:1594588.6/37

All: 2321.589+/-0.250 χ^2/NDF: 2520328.3/71


asym_atl2_cor_correction_mean vs Slug, Sign Corrected
60000
40000
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−40000
100
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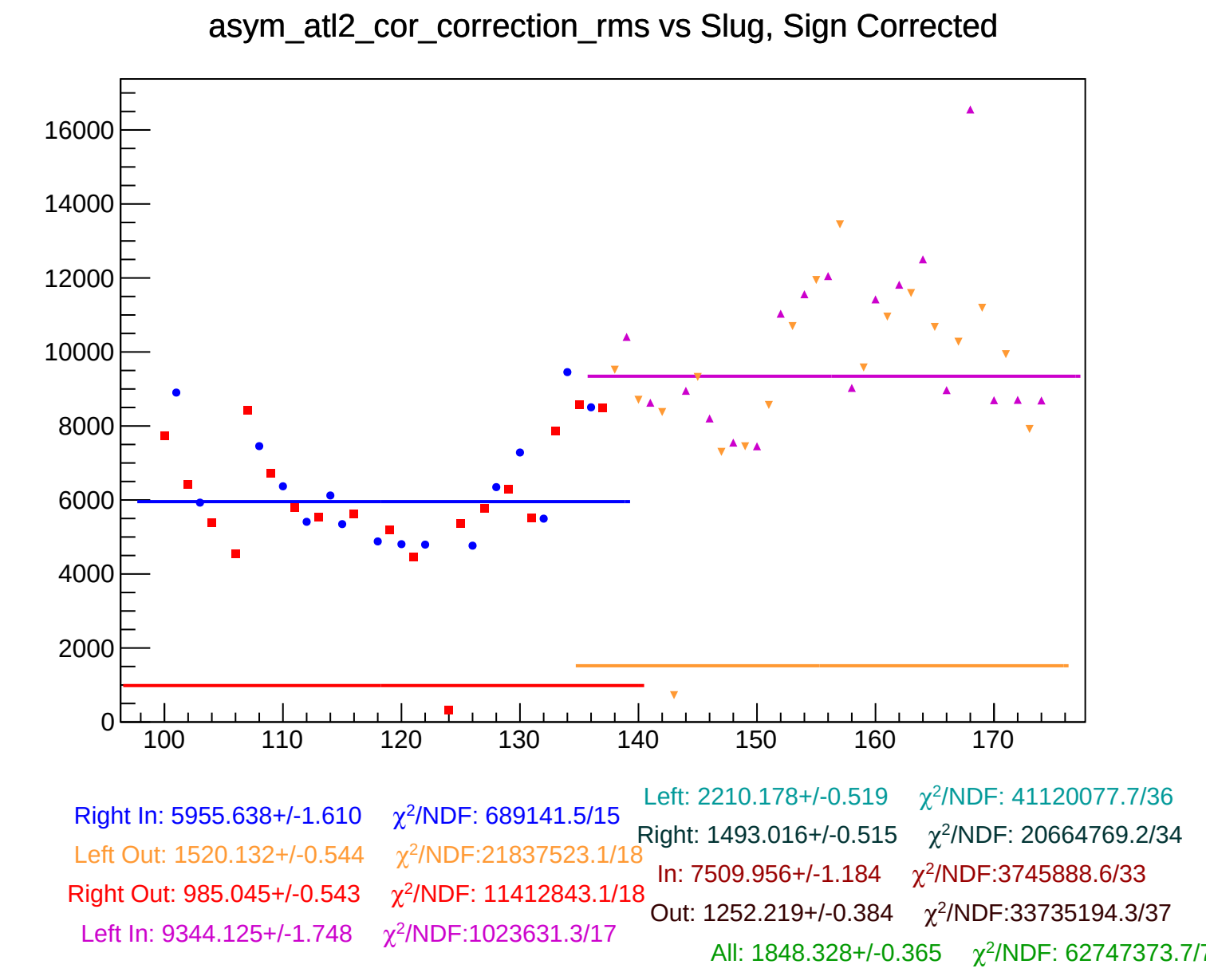
120
130
140
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1020.698+/-769.007 χ²/NDF:25.8/18
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 866.933+/-2472.616 χ²/NDF:10.8/17
Left: -854.216+/-734.313 χ²/NDF: 37.1/36
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -164.165+/-1674.648 χ²/NDF:26.5/33
Out: -243.948+/-543.395 χ²/NDF:45.9/37
All: -236.348+/-516.866 χ²/NDF: 72.4/71


asym_atl2_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
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2000
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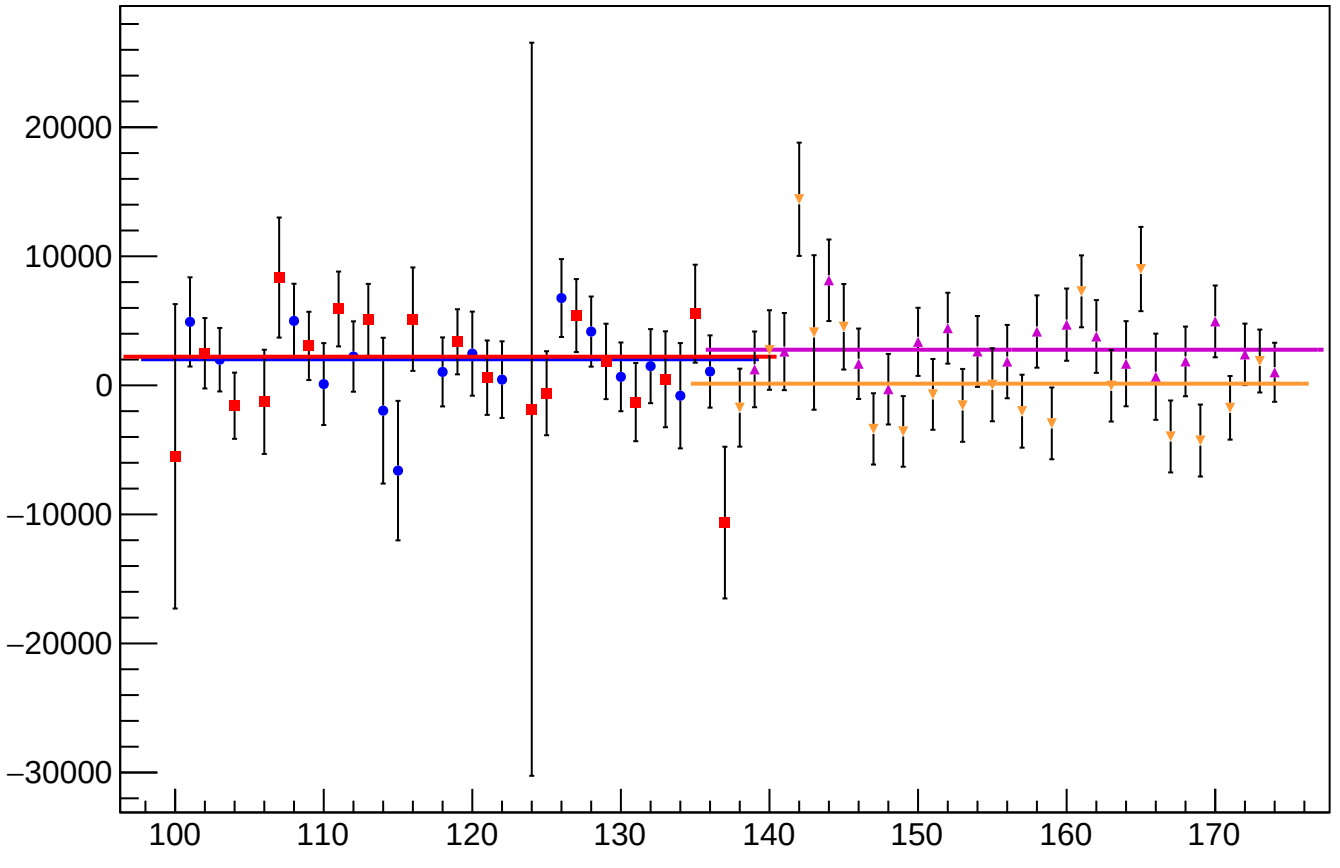
100
110
120
130
140
150
160
170
Right In: 5955.638+/-1.610 χ²/NDF: 689141.5/15
Left Out: 1520.132+/-0.544 χ²/NDF:21837523.1/18
Right Out: 985.045+/-0.543 χ²/NDF: 11412843.1/18
Left In: 9344.125+/-1.748 χ²/NDF:1023631.3/17
Left: 2210.178+/-0.519 χ²/NDF: 41120077.7/36
Right: 1493.016+/-0.515 χ²/NDF: 20664769.2/34
In: 7509.956+/-1.184 χ²/NDF:3745888.6/33
Out: 1252.219+/-0.384 χ²/NDF:33735194.3/37
All: 1848.328+/-0.365 χ²/NDF: 62747373.7/7



Right In: 2022.816+/-764.357 χ^2/NDF: 9.6/15

Left Out: 131.997+/-669.583 χ^2/NDF:39.3/18

Right Out: 2219.099+/-756.147 χ^2/NDF: 18.1/18

Left In: 2760.973+/-655.856 χ^2/NDF:7.8/17

Left: 1473.708+/-468.538 χ^2/NDF: 55.0/36

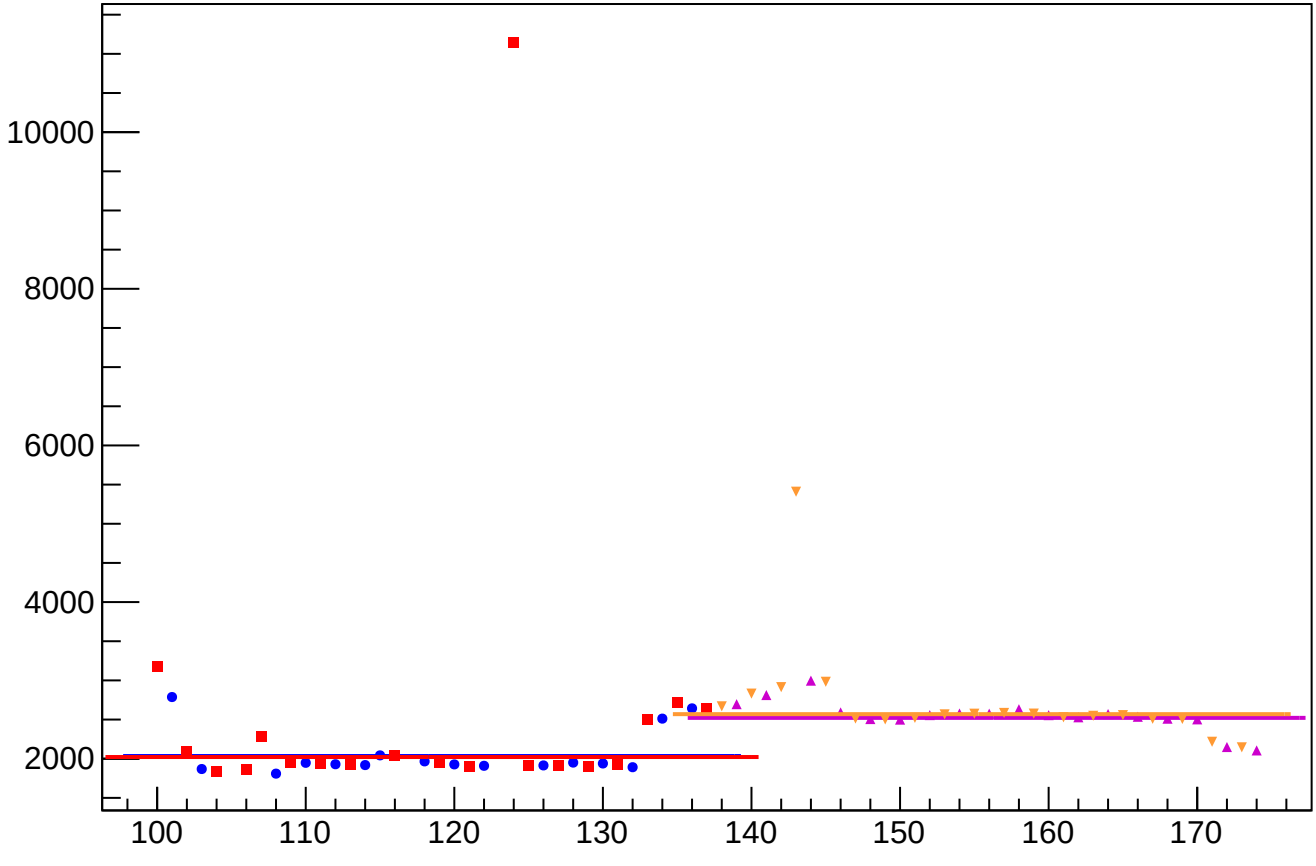
Right: 2122.018+/-537.556 χ^2/NDF: 27.8/34

In: 2447.961+/-497.740 χ^2/NDF:18.0/33

Out: 1049.294+/-501.290 χ^2/NDF:61.7/37

All: 1753.598+/-353.204 χ^2/NDF: 83.6/71

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2034.159+/-0.540 χ^2/NDF: 262960.5/15

Left Out: 2568.962+/-0.473 χ^2/NDF:616778.4/18

Right Out: 2021.566+/-0.535 χ^2/NDF: 390333.0/18

Left In: 2521.589+/-0.464 χ^2/NDF:193614.9/17

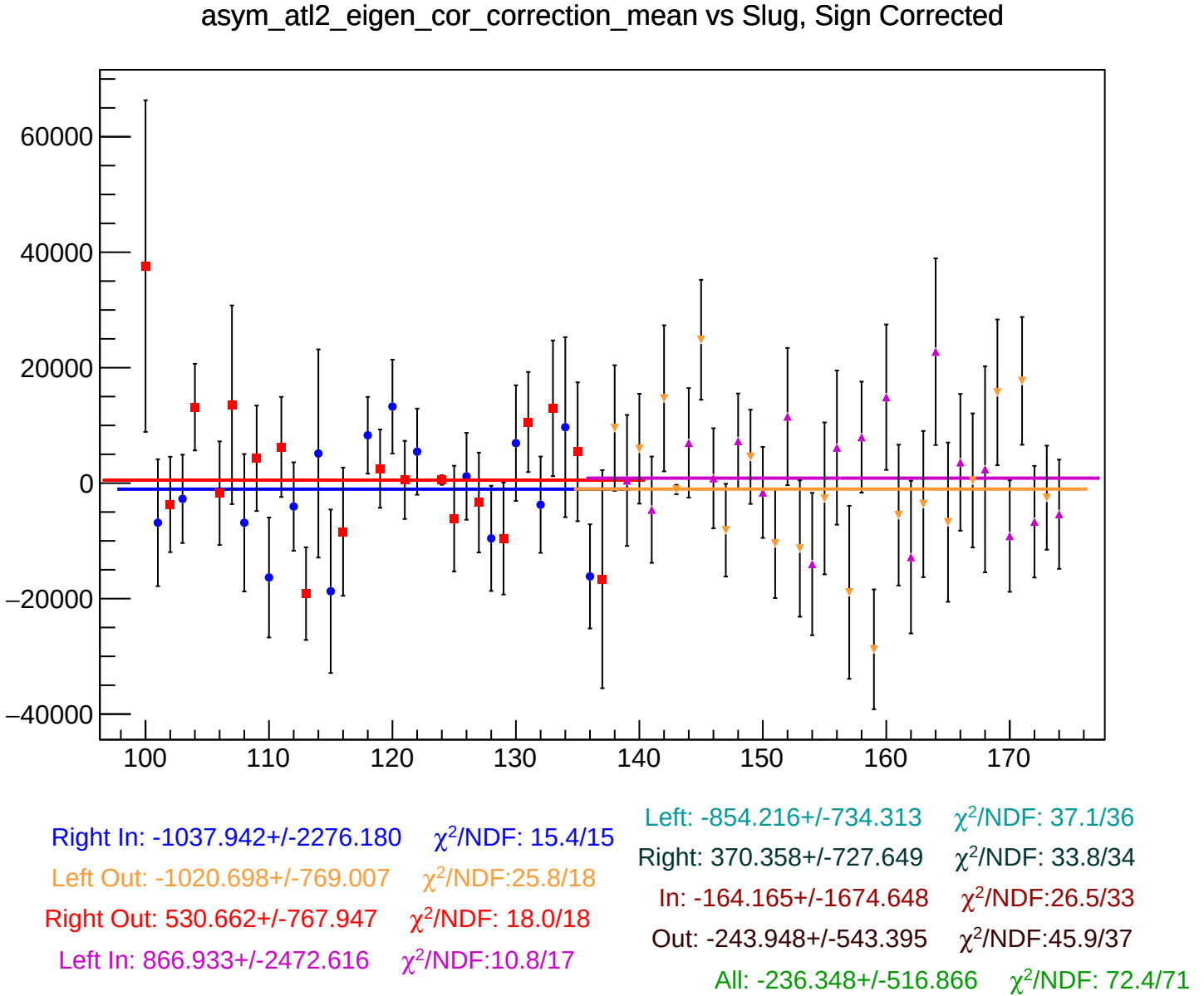
Left: 2544.785+/-0.331 χ^2/NDF: 815502.7/36

Right: 2027.795+/-0.380 χ^2/NDF: 653567.8/34

In: 2314.896+/-0.352 χ^2/NDF:925011.3/33

Out: 2328.378+/-0.354 χ^2/NDF:1594588.6/37

All: 2321.589+/-0.250 χ^2/NDF: 2520328.3/71


asym_atl2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
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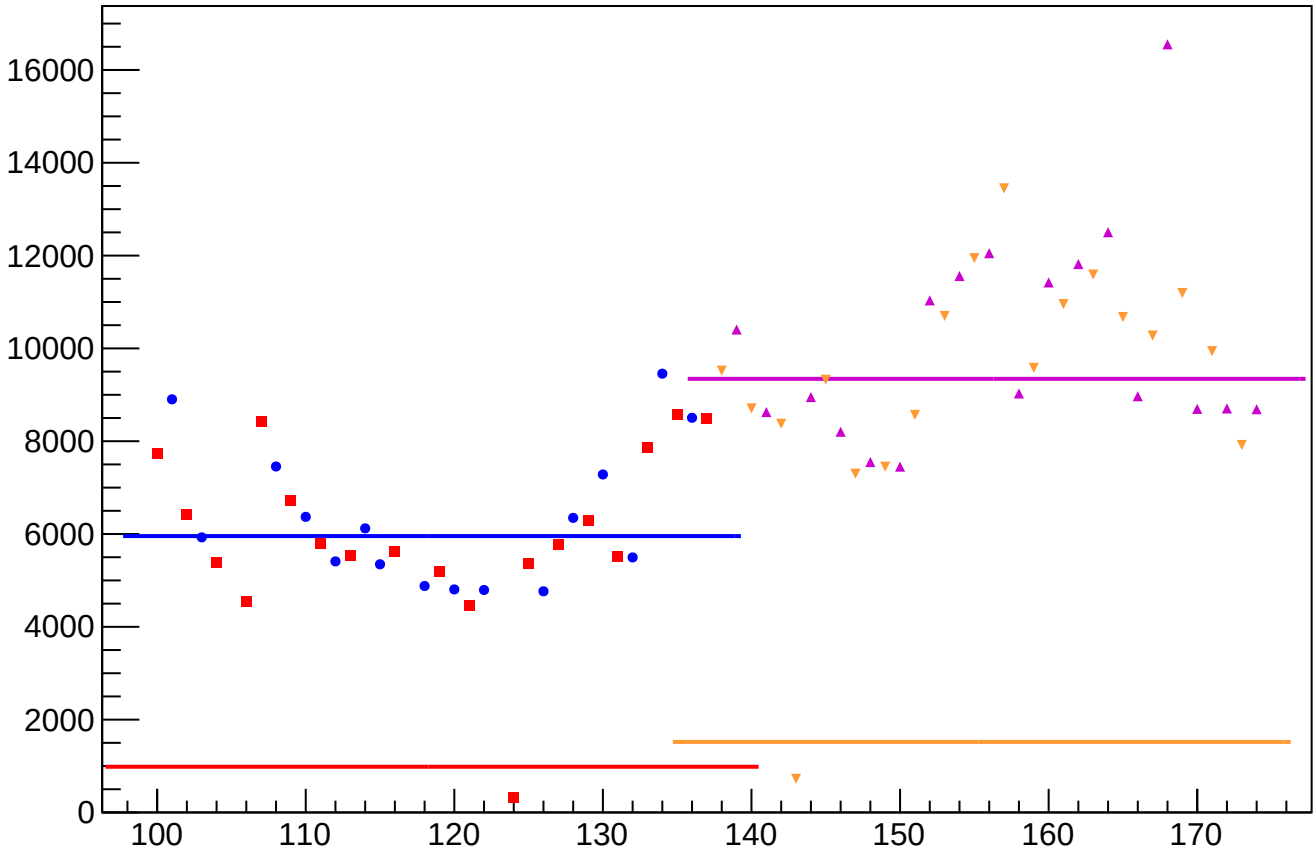
150
160
170
Right In: -1037.942+/-2276.180 χ²/NDF: 15.4/15
Left Out: -1020.698+/-769.007 χ²/NDF:25.8/18
Right Out: 530.662+/-767.947 χ²/NDF: 18.0/18
Left In: 866.933+/-2472.616 χ²/NDF:10.8/17
Left: -854.216+/-734.313 χ²/NDF: 37.1/36
Right: 370.358+/-727.649 χ²/NDF: 33.8/34
In: -164.165+/-1674.648 χ²/NDF:26.5/33
Out: -243.948+/-543.395 χ²/NDF:45.9/37
All: -236.348+/-516.866 χ²/NDF: 72.4/71



Right In: 5955.638+/-1.610 χ^2/NDF: 689141.5/15

Left Out: 1520.132+/-0.544 χ^2/NDF:21837523.1/18

Right Out: 985.045+/-0.543 χ^2/NDF: 11412843.1/18

Left In: 9344.125+/-1.748 χ^2/NDF:1023631.3/17

Left: 2210.178+/-0.519 χ^2/NDF: 41120077.7/36

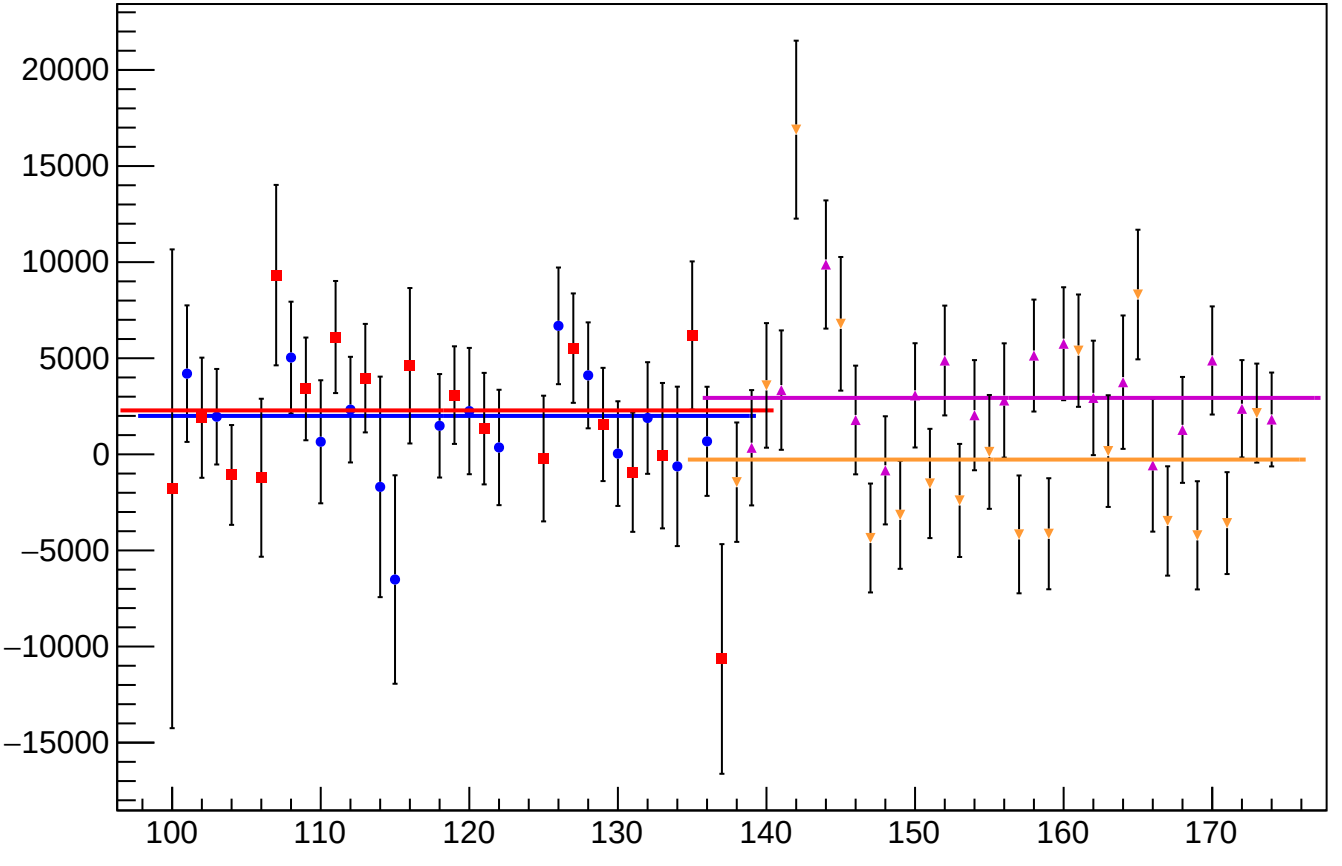
Right: 1493.016+/-0.515 χ^2/NDF: 20664769.2/34

In: 7509.956+/-1.184 χ^2/NDF:3745888.6/33

Out: 1252.219+/-0.384 χ^2/NDF:33735194.3/37

All: 1848.328+/-0.365 χ^2/NDF: 62747373.7/7

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1999.214+/-773.538 χ^2/NDF: 9.0/15

Left Out: -272.306+/-702.700 χ^2/NDF:42.6/17

Right Out: 2285.899+/-771.299 χ^2/NDF: 16.7/17

Left In: 2936.298+/-682.919 χ^2/NDF:11.3/17

Left: 1377.793+/-489.740 χ^2/NDF: 64.6/35

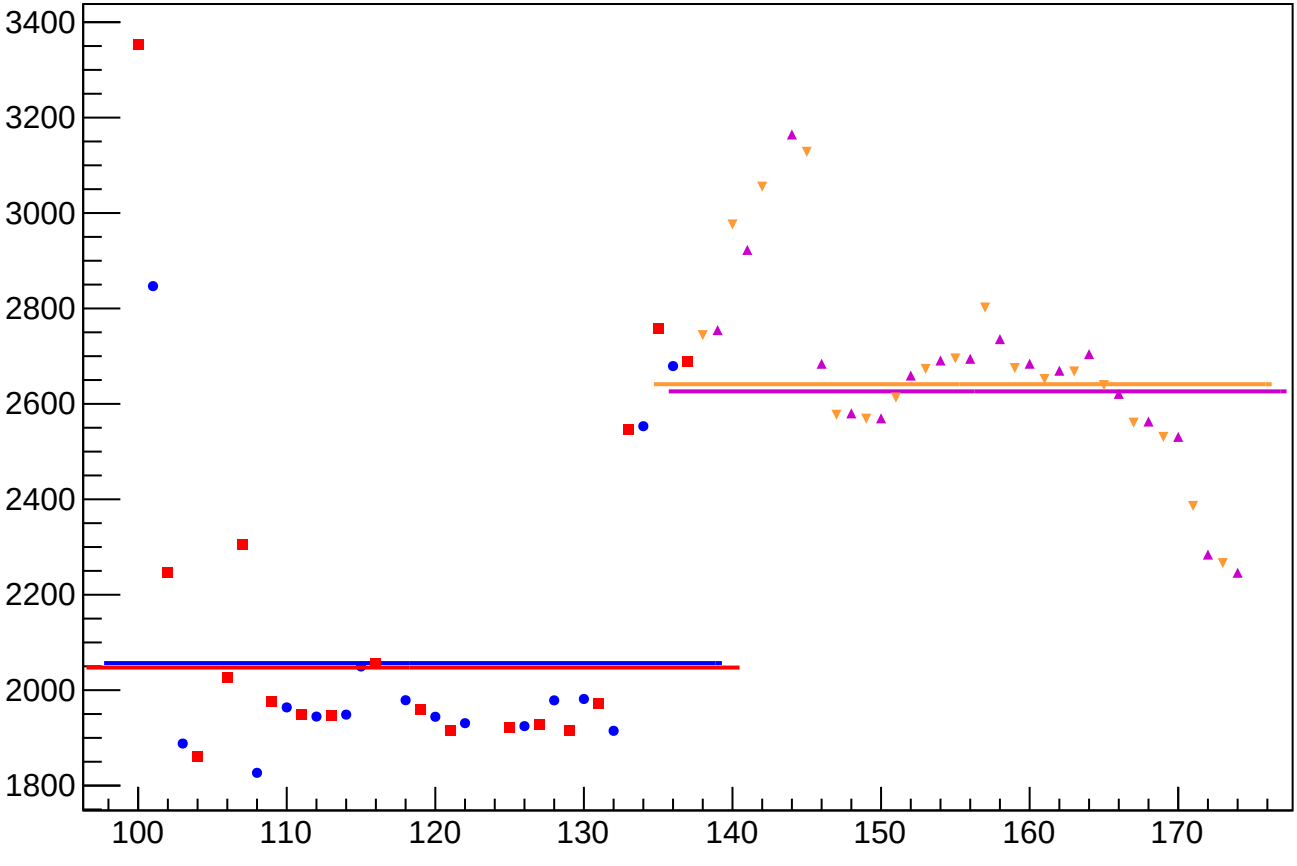
Right: 2142.972+/-546.180 χ^2/NDF: 25.7/33

In: 2525.836+/-511.952 χ^2/NDF:21.1/33

Out: 887.997+/-519.446 χ^2/NDF:65.3/35

All: 1718.817+/-364.625 χ^2/NDF: 91.4/69

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2641.251+/-0.497 χ^2/NDF:153755.0/17

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.0/17

Left In: 2626.241+/-0.483 χ^2/NDF:171883.5/17

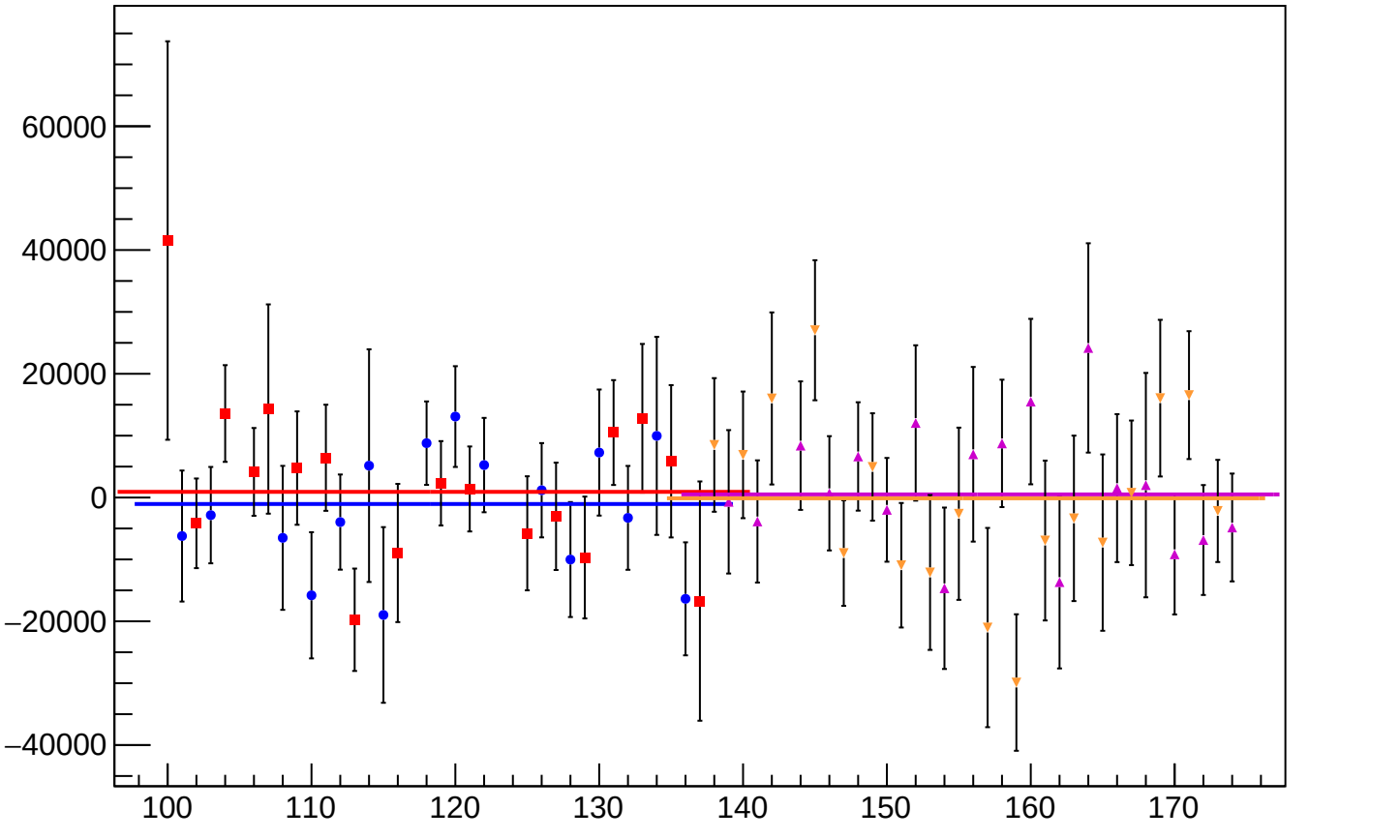
Left: 2633.532+/-0.346 χ^2/NDF: 326107.8/35

Right: 2052.077+/-0.386 χ^2/NDF: 467125.7/33

In: 2376.812+/-0.362 χ^2/NDF:1051442.7/33

Out: 2371.458+/-0.367 χ^2/NDF:999207.2/35

All: 2374.172+/-0.258 χ^2/NDF: 2050757.8/69



Right In: -1042.515+/-2294.607 χ^2/NDF: 15.3/15

Left Out: -123.511+/-2619.277 χ^2/NDF:25.6/17

Right Out: 919.663+/-2150.895 χ^2/NDF: 18.4/17

Left In: 505.442+/-2553.810 χ^2/NDF:10.7/17

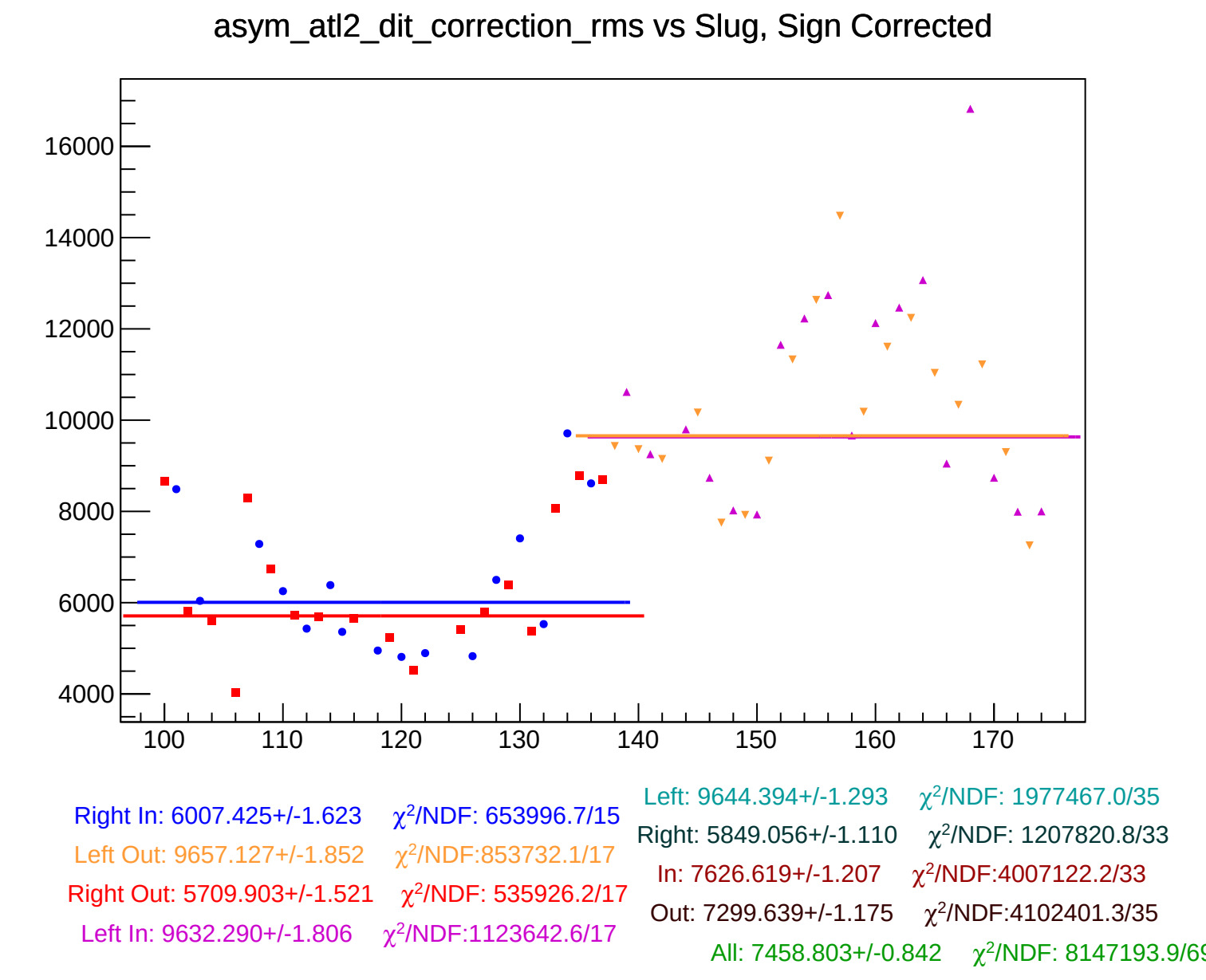
Left: 198.924+/-1828.523 χ^2/NDF: 36.4/35

Right: 1.940+/-1569.260 χ^2/NDF: 34.1/33

In: -351.057+/-1706.838 χ^2/NDF:26.3/33

Out: 499.527+/-1662.256 χ^2/NDF:44.0/35

All: 85.488+/-1190.842 χ^2/NDF: 70.4/69


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
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8000
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4000
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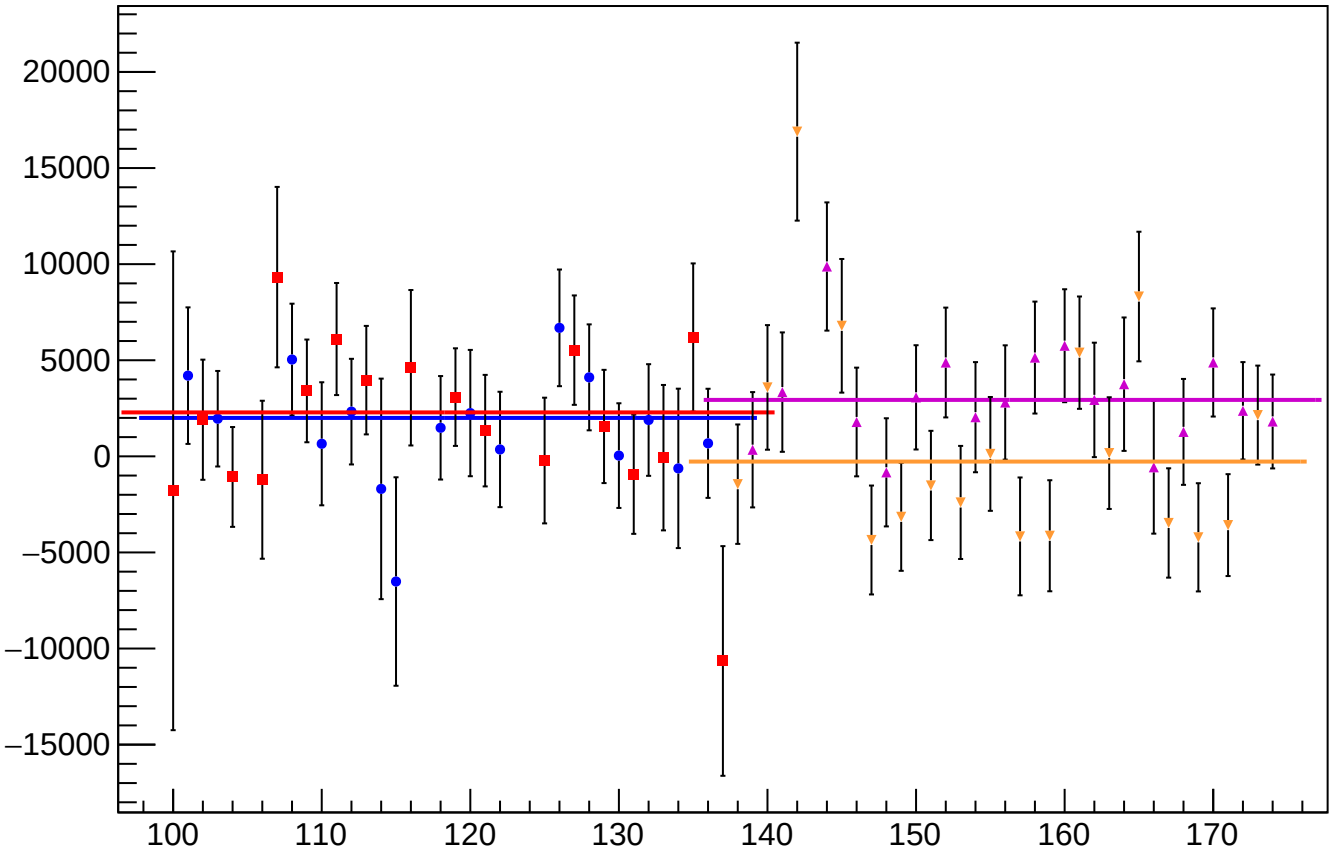
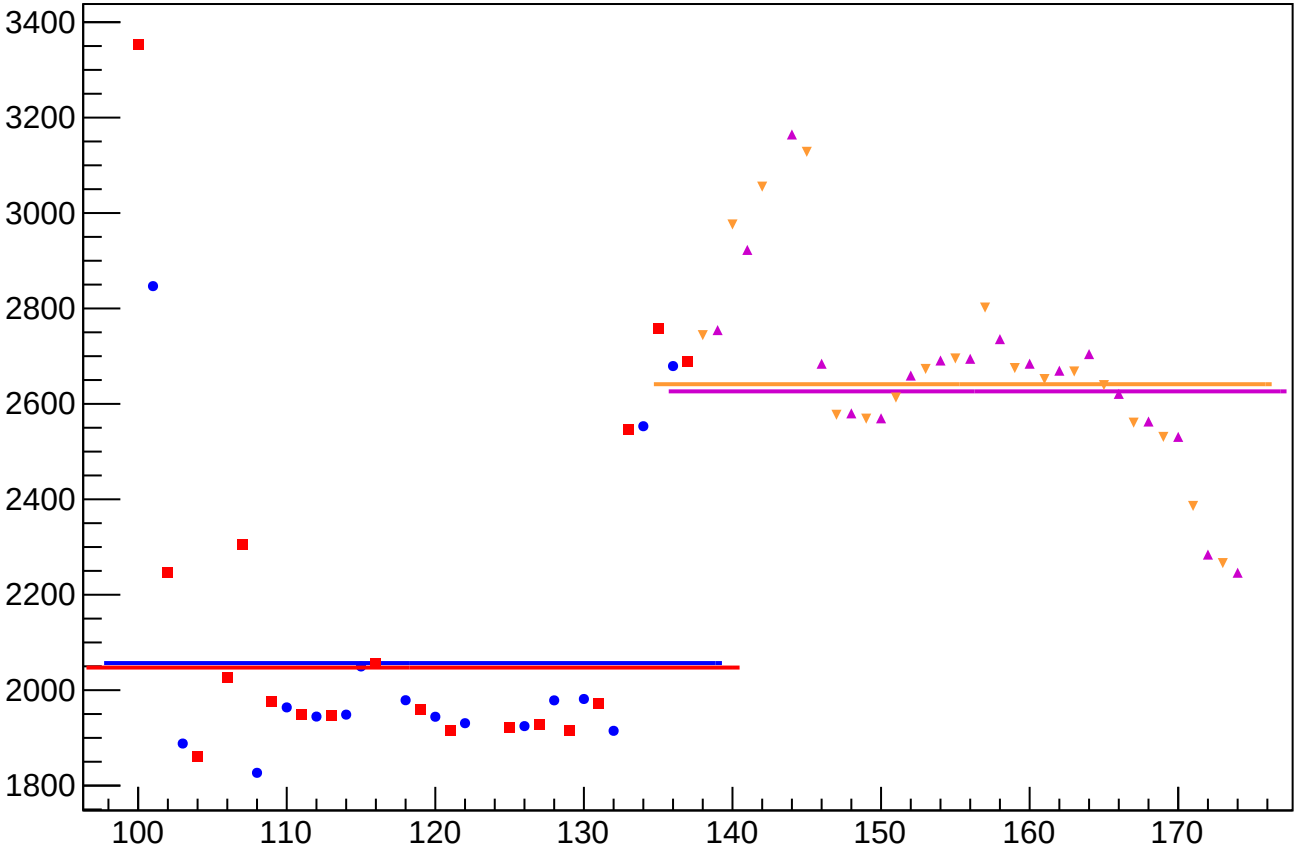
110
120
130
140
150
160
170
Right In: 6007.425+/-1.623 χ²/NDF: 653996.7/15
Left Out: 9657.127+/-1.852 χ²/NDF:853732.1/17
Right Out: 5709.903+/-1.521 χ²/NDF: 535926.2/17
Left In: 9632.290+/-1.806 χ²/NDF:1123642.6/17
Left: 9644.394+/-1.293 χ²/NDF: 1977467.0/35
Right: 5849.056+/-1.110 χ²/NDF: 1207820.8/33
In: 7626.619+/-1.207 χ²/NDF:4007122.2/33
Out: 7299.639+/-1.175 χ²/NDF:4102401.3/35
All: 7458.803+/-0.842 χ²/NDF: 8147193.9/69


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: -272.311+/-702.700 χ²/NDF:42.6/17
Right Out: 2285.903+/-771.299 χ²/NDF: 16.7/17
Left In: 2936.297+/-682.919 χ²/NDF:11.3/17
Left: 1377.790+/-489.740 χ²/NDF: 64.6/35
Right: 2142.976+/-546.180 χ²/NDF: 25.7/33
In: 2525.837+/-511.952 χ²/NDF:21.1/33
Out: 887.996+/-519.446 χ²/NDF:65.3/35
All: 1718.817+/-364.625 χ²/NDF: 91.4/69

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2056.796+/-0.547 χ^2/NDF: 270454.5/15

Left Out: 2641.251+/-0.497 χ^2/NDF:153761.9/17

Right Out: 2047.400+/-0.545 χ^2/NDF: 196523.3/17

Left In: 2626.242+/-0.483 χ^2/NDF:171890.1/17

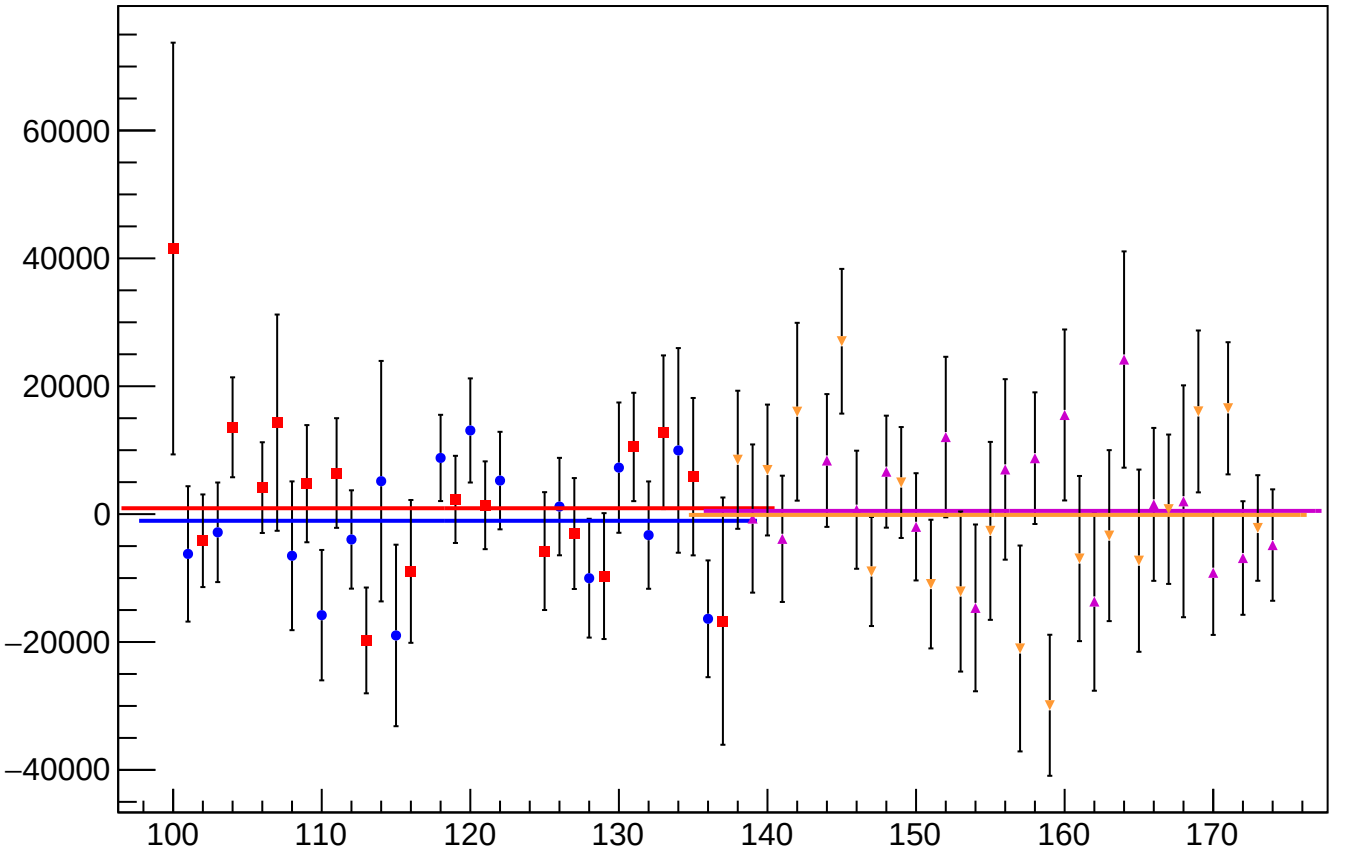
Left: 2633.532+/-0.346 χ^2/NDF: 326121.2/35

Right: 2052.077+/-0.386 χ^2/NDF: 467125.9/33

In: 2376.812+/-0.362 χ^2/NDF:1051449.9/33

Out: 2371.458+/-0.367 χ^2/NDF:999215.1/35

All: 2374.172+/-0.258 χ^2/NDF: 2050772.8/69



Right In: -1042.503+/-2294.600 χ^2/NDF: 15.3/15

Left Out: -123.520+/-2619.281 χ^2/NDF:25.6/17

Right Out: 919.667+/-2150.889 χ^2/NDF: 18.4/17

Left In: 505.442+/-2553.814 χ^2/NDF:10.7/17

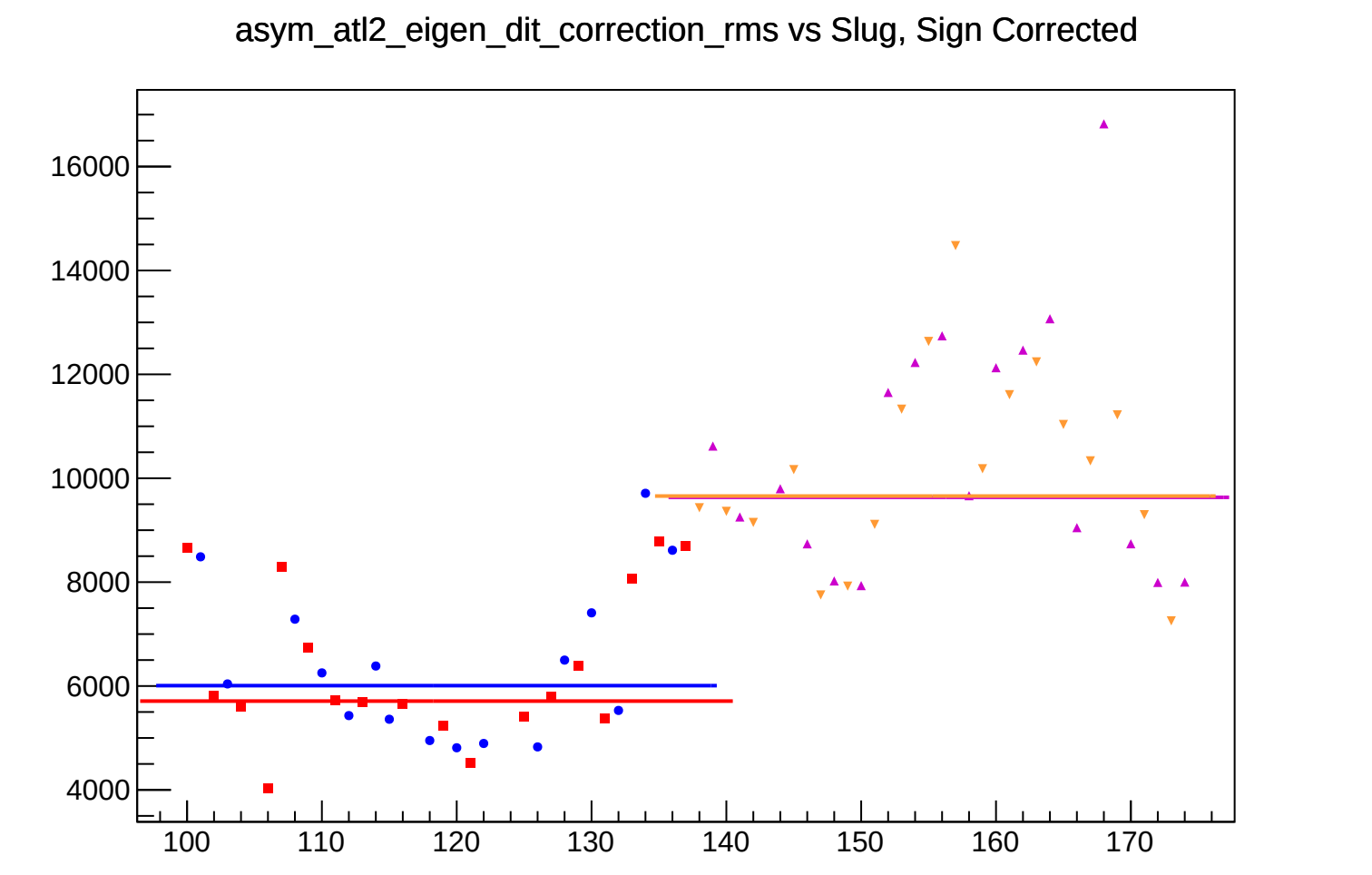
Left: 198.920+/-1828.526 χ^2/NDF: 36.4/35

Right: 1.948+/-1569.255 χ^2/NDF: 34.1/33

In: -351.053+/-1706.836 χ^2/NDF:26.3/33

Out: 499.528+/-1662.255 χ^2/NDF:44.0/35

All: 85.491+/-1190.841 χ^2/NDF: 70.4/69


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
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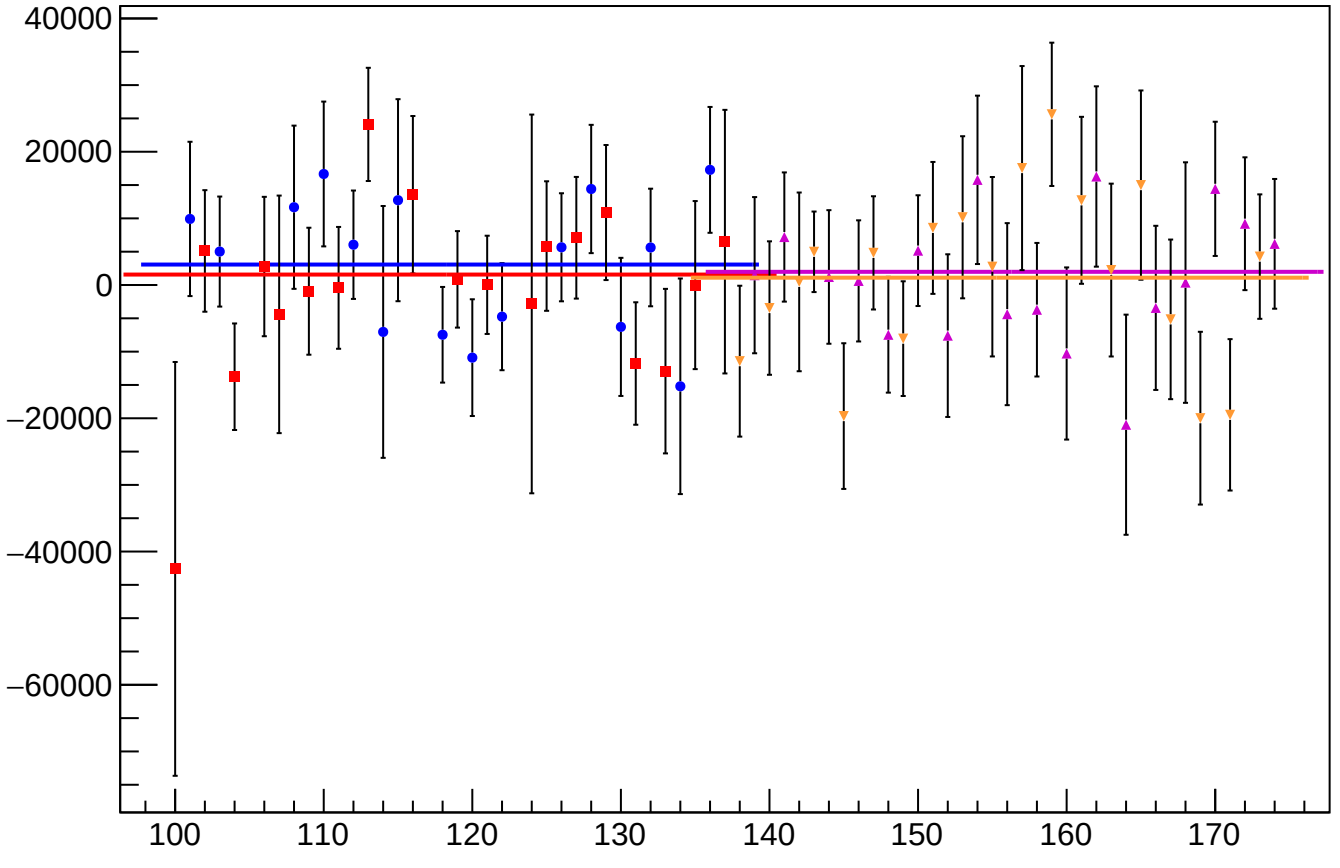
140
150
160
170
Right In: 6007.405+/-1.623 χ²/NDF: 654004.9/15
Left Out: 9657.144+/-1.852 χ²/NDF:853731.6/17
Right Out: 5709.885+/-1.521 χ²/NDF: 535929.9/17
Left In: 9632.305+/-1.806 χ²/NDF:1123642.9/17
Left: 9644.410+/-1.293 χ²/NDF: 1977466.8/35
Right: 5849.037+/-1.110 χ²/NDF: 1207832.6/33
In: 7626.606+/-1.207 χ²/NDF:4007175.9/33
Out: 7299.627+/-1.175 χ²/NDF:4102451.6/35
All: 7458.791+/-0.842 χ²/NDF: 8147297.9/69

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3070.293+/-2420.721 χ^2/NDF: 14.9/15

Left Out: 1098.816+/-2416.615 χ^2/NDF:22.4/18

Right Out: 1567.088+/-2335.884 χ^2/NDF: 19.2/18

Left In: 1978.276+/-2571.344 χ^2/NDF:10.4/17

Left: 1511.291+/-1760.966 χ^2/NDF: 32.9/36

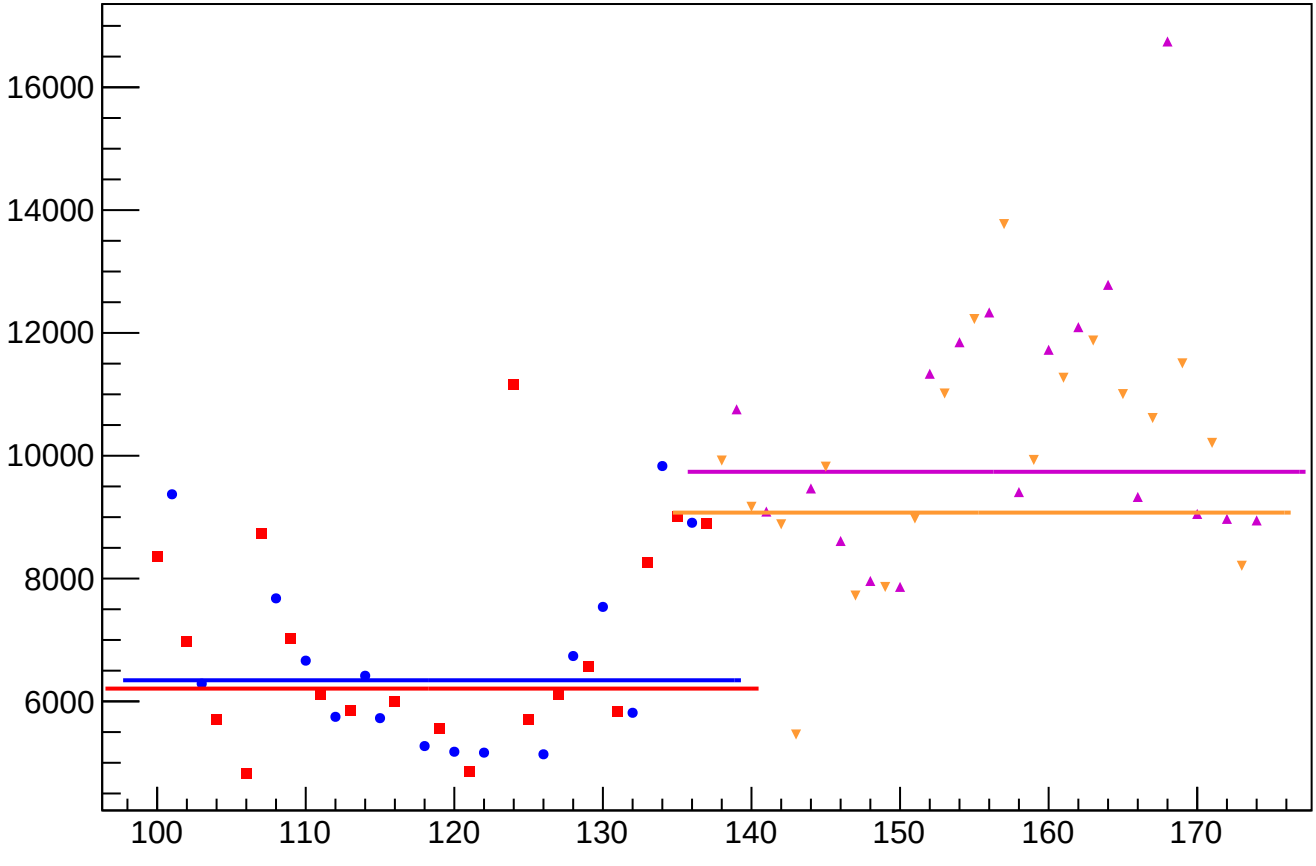
Right: 2291.888+/-1680.911 χ^2/NDF: 34.3/34

In: 2557.204+/-1762.553 χ^2/NDF:25.3/33

Out: 1340.904+/-1679.535 χ^2/NDF:41.6/37

All: 1919.736+/-1215.900 χ^2/NDF: 67.2/71

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6343.796+/-1.712 χ^2/NDF: 621240.2/15

Left Out: 9074.062+/-1.709 χ^2/NDF:1520123.9/18

Right Out: 6208.099+/-1.652 χ^2/NDF: 471840.9/18

Left In: 9738.503+/-1.818 χ^2/NDF:919851.3/17

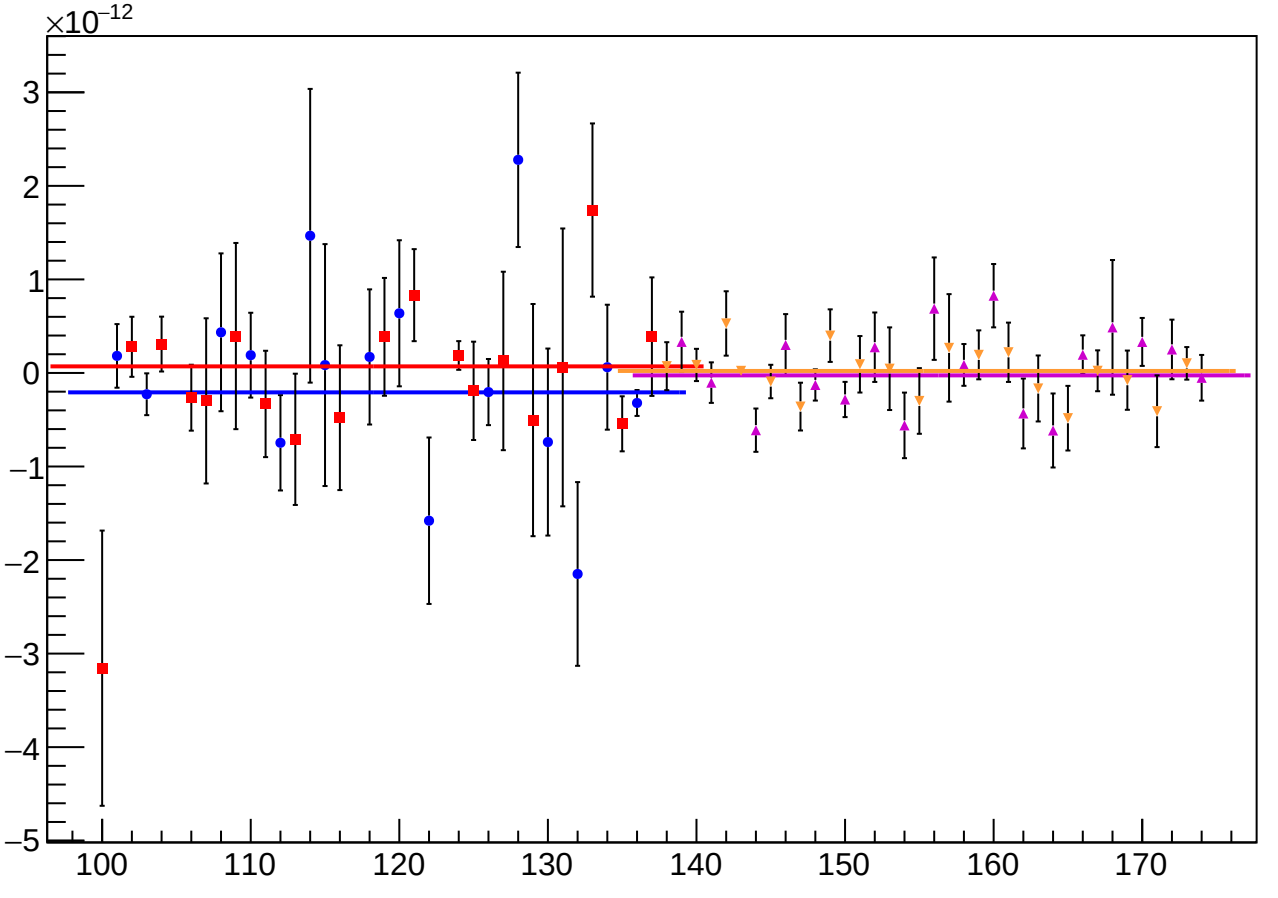
Left: 9385.691+/-1.245 χ^2/NDF: 2510885.6/36

Right: 6273.528+/-1.189 χ^2/NDF: 1096335.5/34

In: 7938.813+/-1.246 χ^2/NDF:3389123.8/33

Out: 7592.406+/-1.188 χ^2/NDF:3446194.0/37

All: 7757.260+/-0.860 χ^2/NDF: 6875806.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.9/18

Left In: -0.000+/-0.000 χ^2/NDF:30.0/17

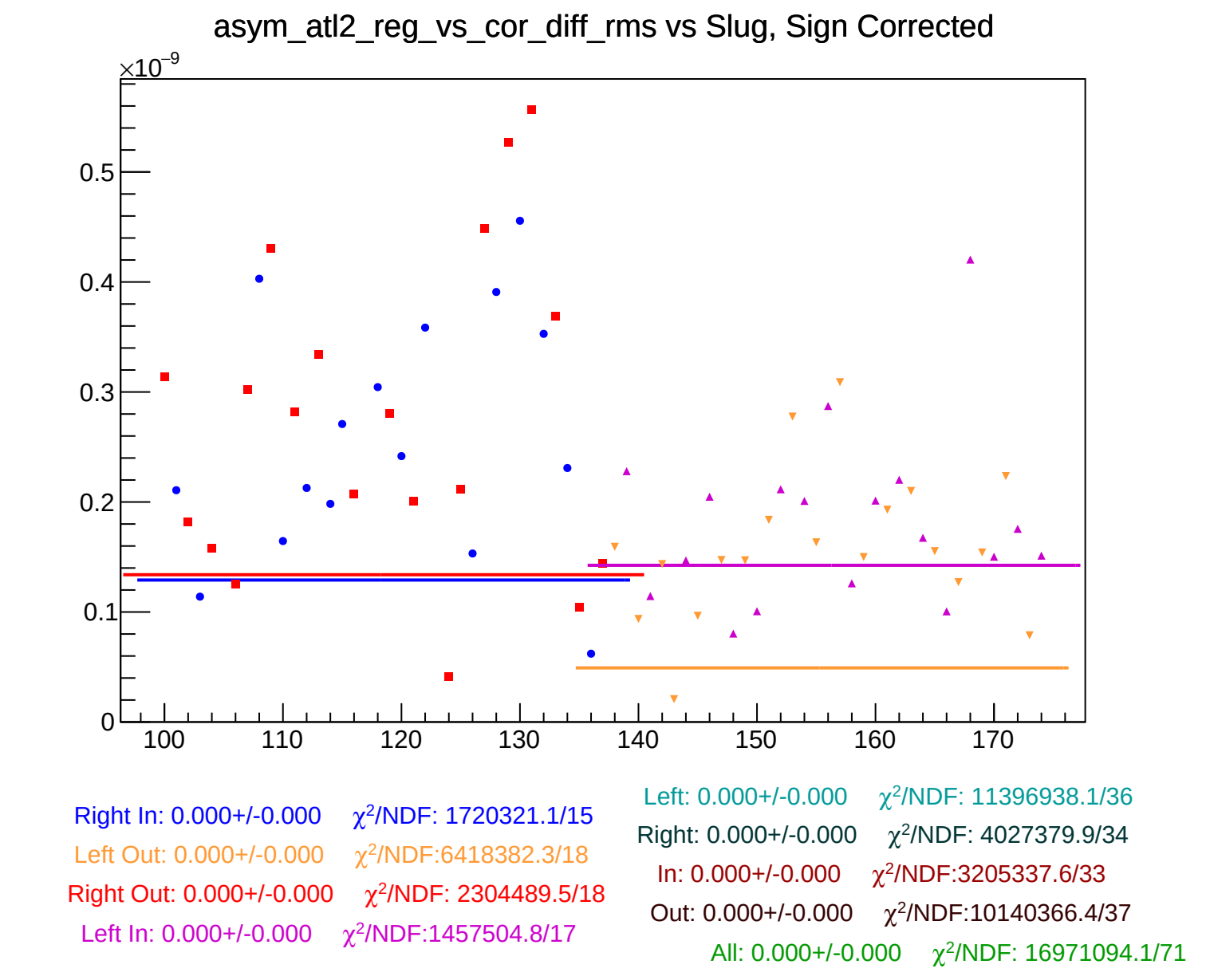
Left: 0.000+/-0.000 χ^2/NDF: 43.2/36

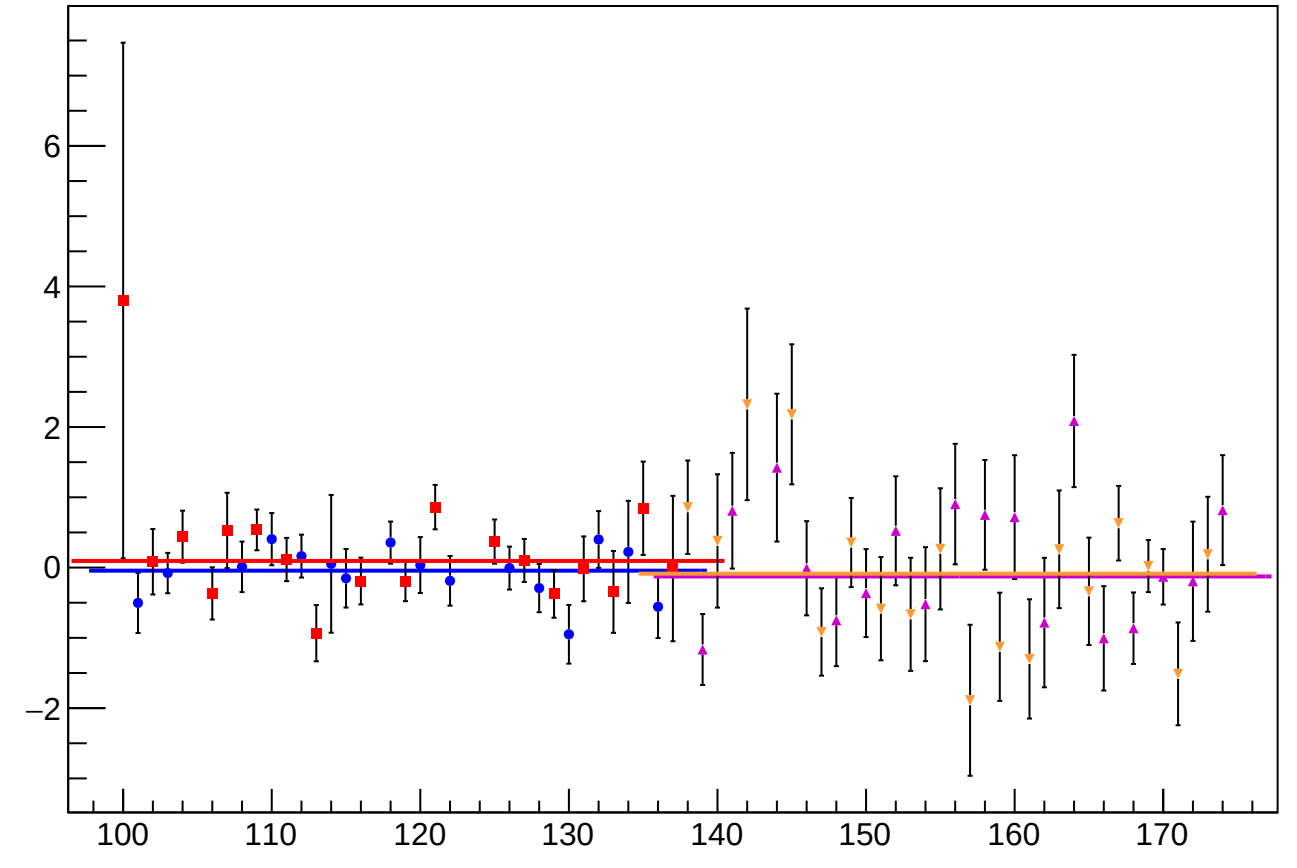
Right: -0.000+/-0.000 χ^2/NDF: 46.0/34

In: -0.000+/-0.000 χ^2/NDF:53.5/33

Out: 0.000+/-0.000 χ^2/NDF:33.8/37

All: 0.000+/-0.000 χ^2/NDF: 90.4/71


asym_atl2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1720321.1/15
Left Out: 0.000+/-0.000 χ²/NDF:6418382.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 2304489.5/18
Left In: 0.000+/-0.000 χ²/NDF:1457504.8/17
Left: 0.000+/-0.000 χ²/NDF: 11396938.1/36
Right: 0.000+/-0.000 χ²/NDF: 4027379.9/34
In: 0.000+/-0.000 χ²/NDF:3205337.6/33
Out: 0.000+/-0.000 χ²/NDF:10140366.4/37
All: 0.000+/-0.000 χ²/NDF: 16971094.1/71



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.087+/-0.167 χ^2/NDF:26.8/17

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.126+/-0.162 χ^2/NDF:24.3/17

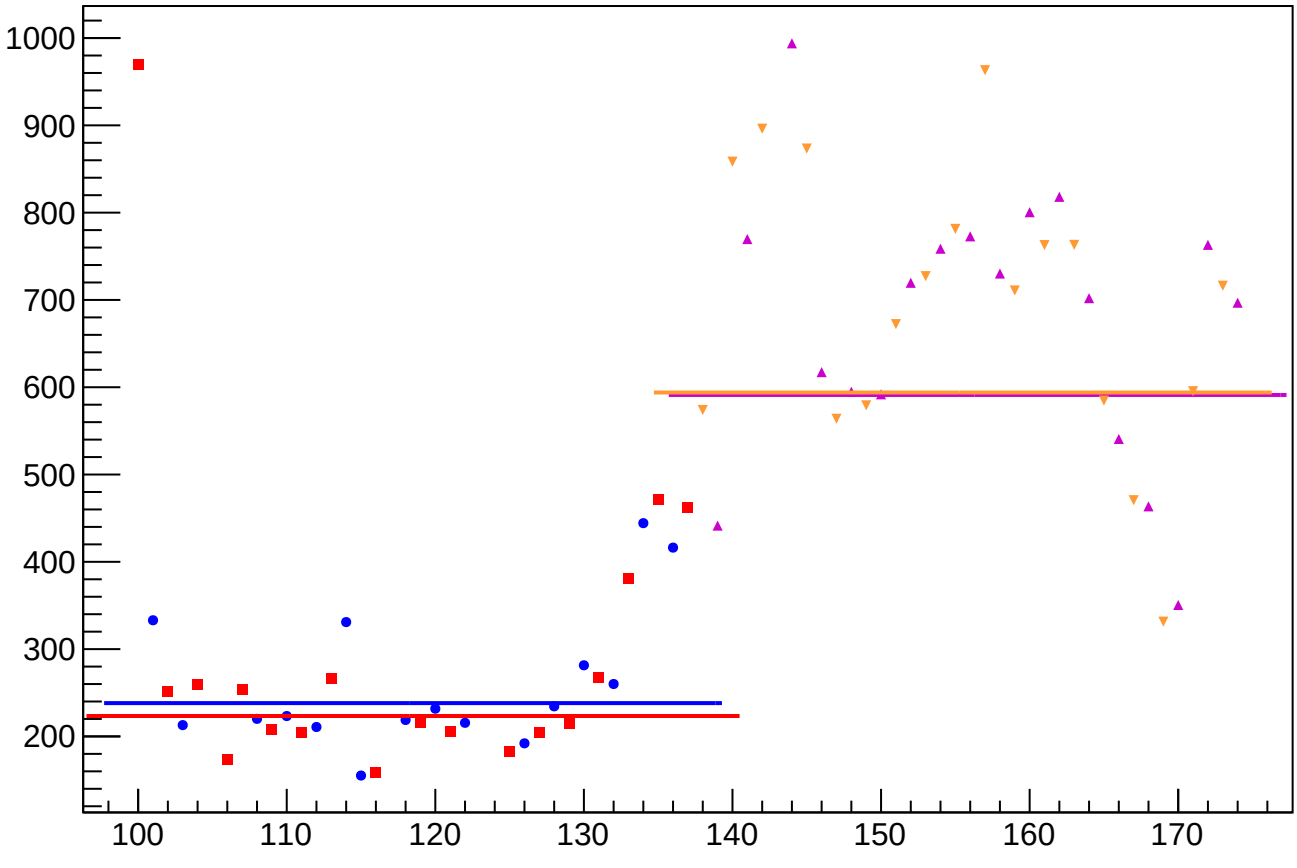
Left: -0.107+/-0.116 χ^2/NDF: 51.1/35

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.065+/-0.081 χ^2/NDF:37.6/33

Out: 0.053+/-0.079 χ^2/NDF:53.0/35

All: -0.004+/-0.057 χ^2/NDF: 91.7/69



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 593.972+/-0.118 χ^2/NDF:2187636.6/17

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

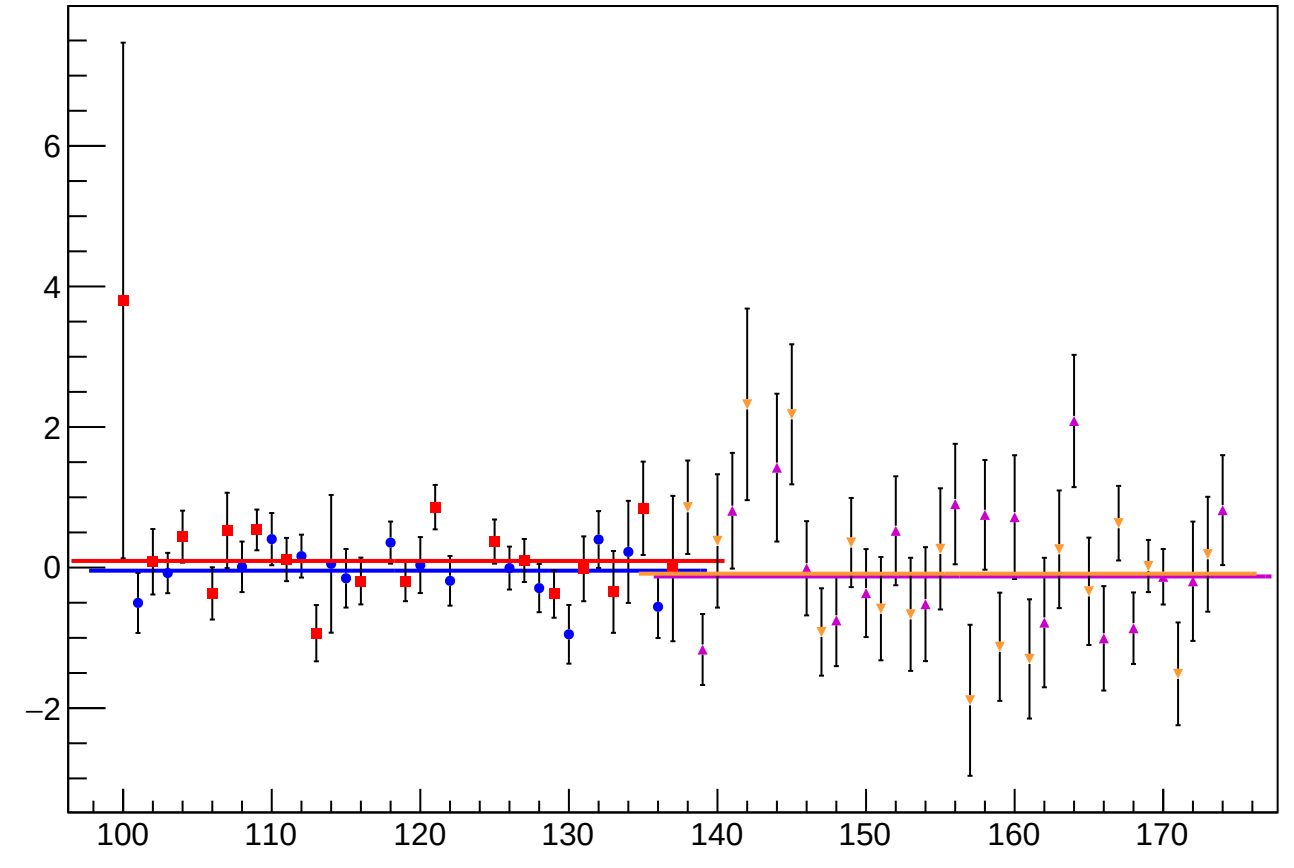
Left: 592.518+/-0.082 χ^2/NDF: 4306210.7/35

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 327.183+/-0.057 χ^2/NDF:10068326.3/33

Out: 307.094+/-0.056 χ^2/NDF:10703486.2/35

All: 316.901+/-0.040 χ^2/NDF: 20834603.8/69



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.087+/-0.167 χ^2/NDF:26.8/17

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.126+/-0.162 χ^2/NDF:24.3/17

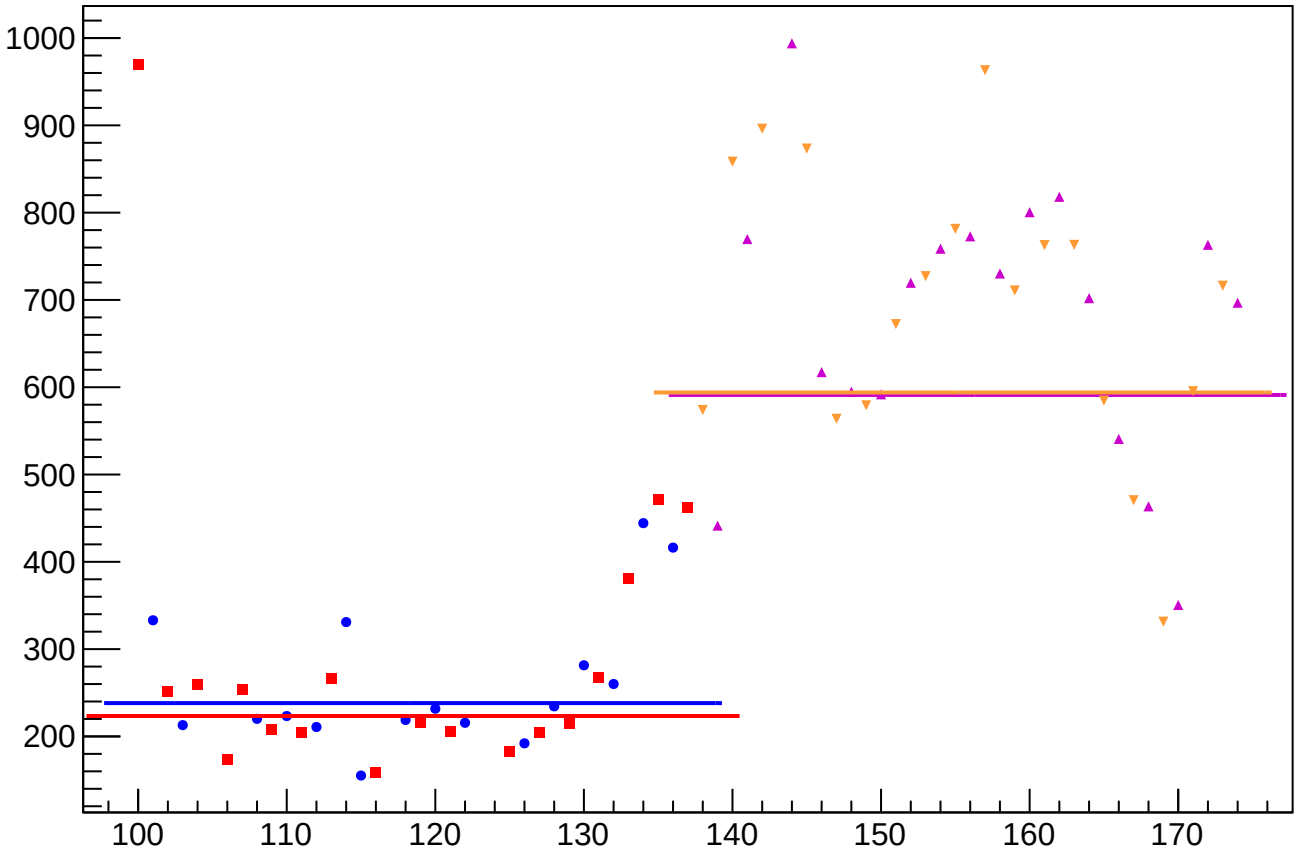
Left: -0.107+/-0.116 χ^2/NDF: 51.1/35

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.065+/-0.081 χ^2/NDF:37.6/33

Out: 0.053+/-0.079 χ^2/NDF:53.0/35

All: -0.004+/-0.057 χ^2/NDF: 91.7/69



Right In: 238.165+/-0.066 χ^2/NDF: 807205.2/15

Left Out: 593.972+/-0.118 χ^2/NDF:2187636.6/17

Right Out: 223.388+/-0.064 χ^2/NDF: 862425.5/17

Left In: 591.152+/-0.114 χ^2/NDF:2118278.7/17

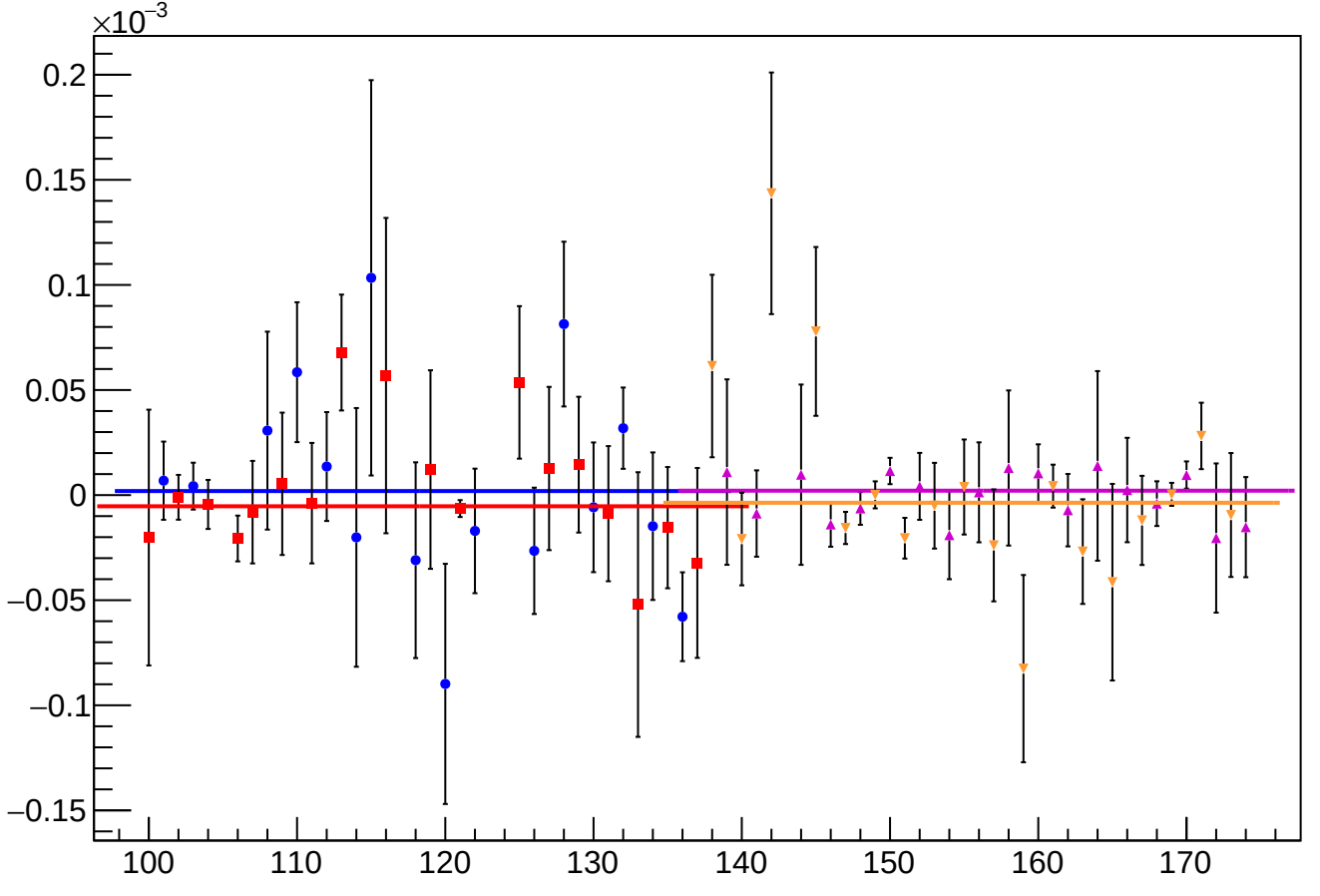
Left: 592.518+/-0.082 χ^2/NDF: 4306210.7/35

Right: 230.474+/-0.046 χ^2/NDF: 1695464.7/33

In: 327.183+/-0.057 χ^2/NDF:10068326.3/33

Out: 307.094+/-0.056 χ^2/NDF:10703486.2/35

All: 316.901+/-0.040 χ^2/NDF: 20834603.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.1/17

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

Left In: 0.000+/-0.000 χ^2/NDF:10.5/17

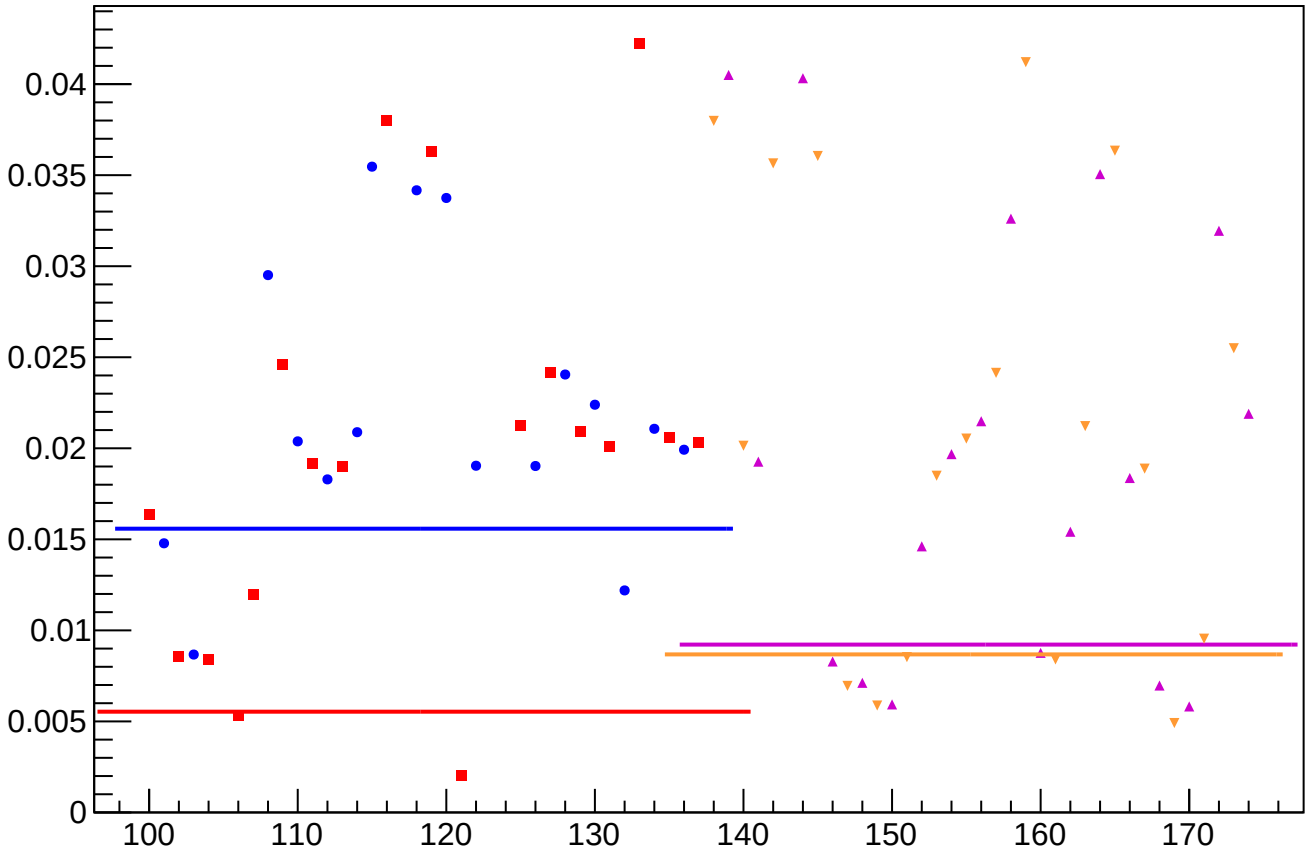
Left: -0.000+/-0.000 χ^2/NDF: 42.4/35

Right: -0.000+/-0.000 χ^2/NDF: 39.6/33

In: 0.000+/-0.000 χ^2/NDF:34.5/33

Out: -0.000+/-0.000 χ^2/NDF:44.8/35

All: -0.000+/-0.000 χ^2/NDF: 82.8/69



Right In: 0.016+/-0.000 χ^2/NDF: 2074656.7/15

Left Out: 0.009+/-0.000 χ^2/NDF:9336411.3/17

Right Out: 0.006+/-0.000 χ^2/NDF: 7954965.8/17

Left In: 0.009+/-0.000 χ^2/NDF:8522557.5/17

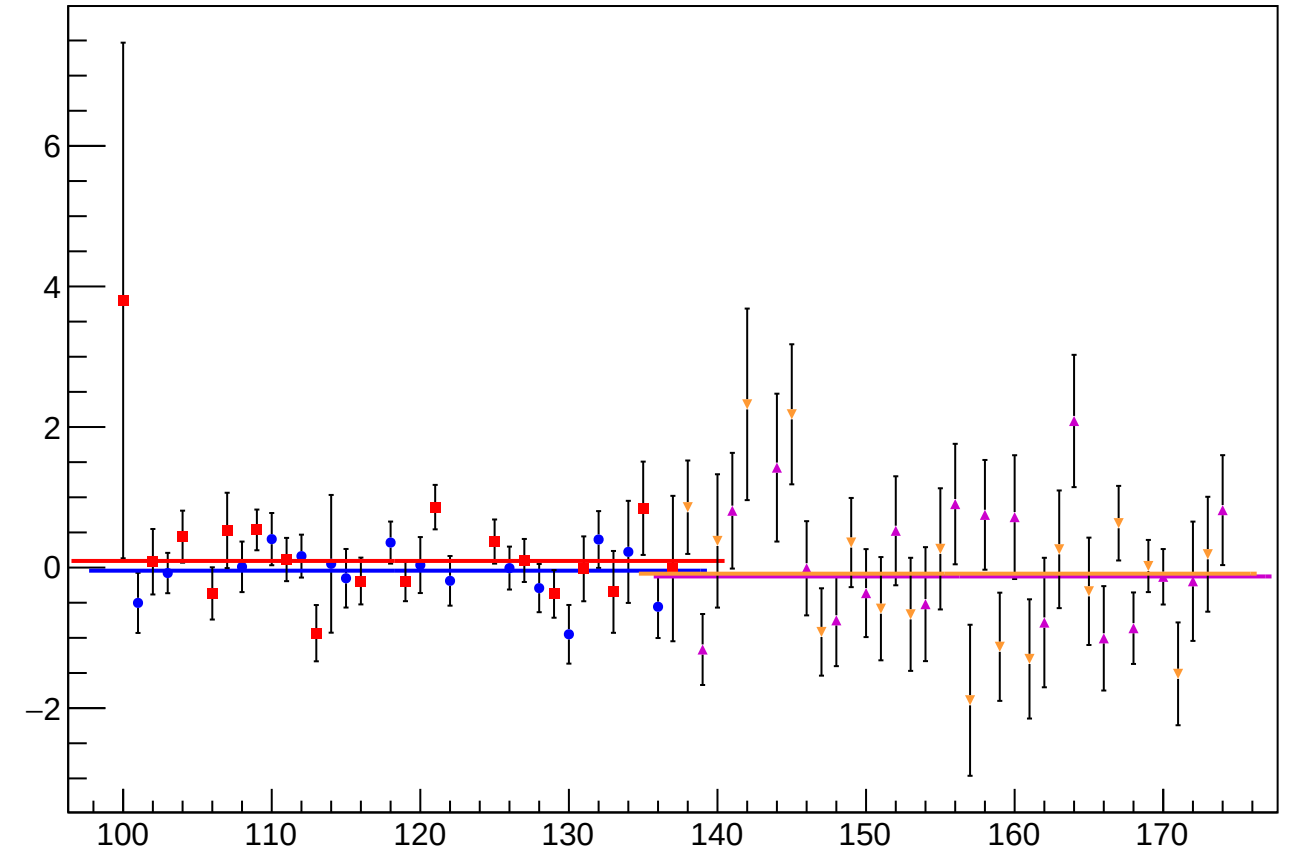
Left: 0.009+/-0.000 χ^2/NDF: 17891255.3/35

Right: 0.008+/-0.000 χ^2/NDF: 13999634.8/33

In: 0.010+/-0.000 χ^2/NDF:12223384.2/33

Out: 0.007+/-0.000 χ^2/NDF:18333896.3/35

All: 0.008+/-0.000 χ^2/NDF: 32195457.2/69



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.087+/-0.167 χ^2/NDF:26.8/17

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.126+/-0.162 χ^2/NDF:24.3/17

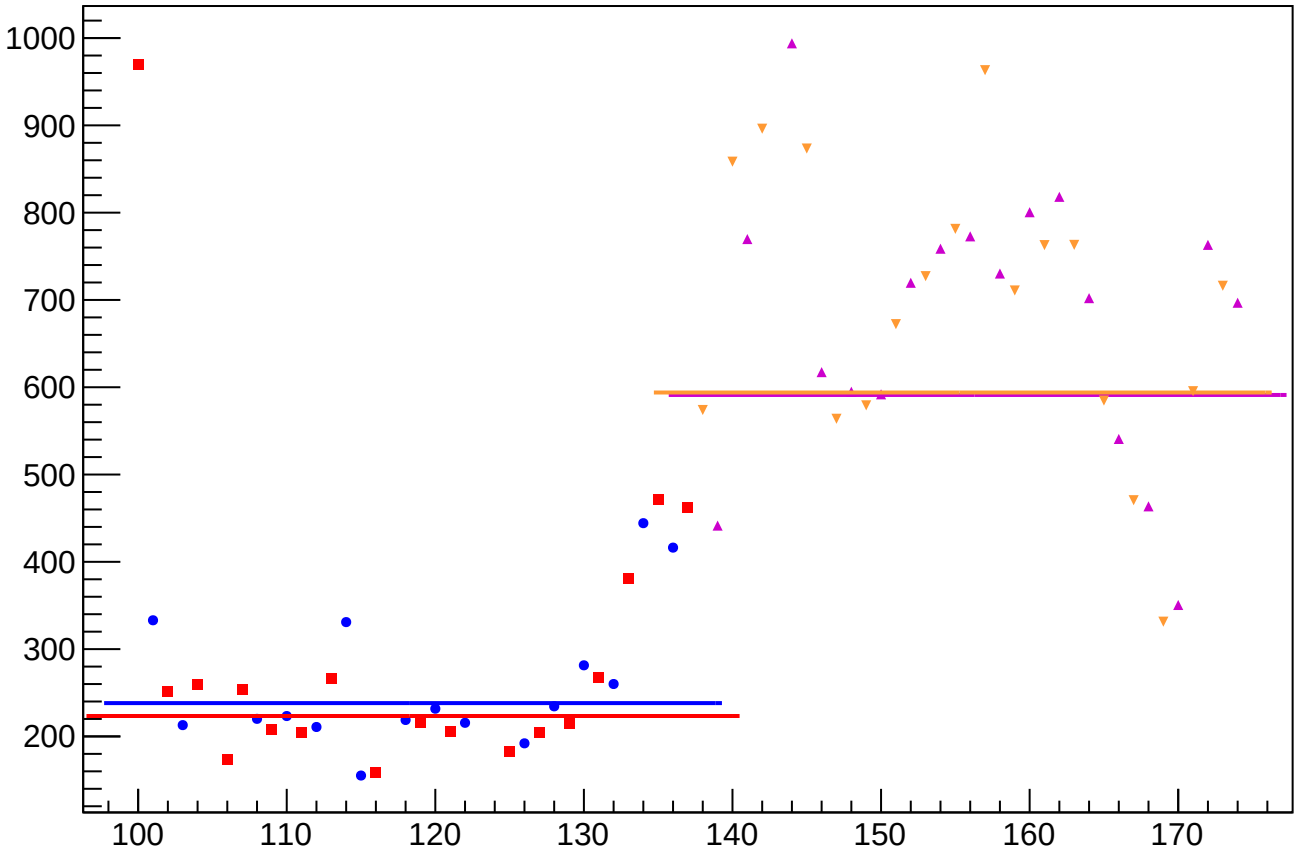
Left: -0.107+/-0.116 χ^2/NDF: 51.1/35

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.065+/-0.081 χ^2/NDF:37.6/33

Out: 0.053+/-0.079 χ^2/NDF:53.0/35

All: -0.004+/-0.057 χ^2/NDF: 91.7/69



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 593.976+/-0.118 χ^2/NDF:2187702.5/17

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

Left: 592.523+/-0.082 χ^2/NDF: 4306250.9/35

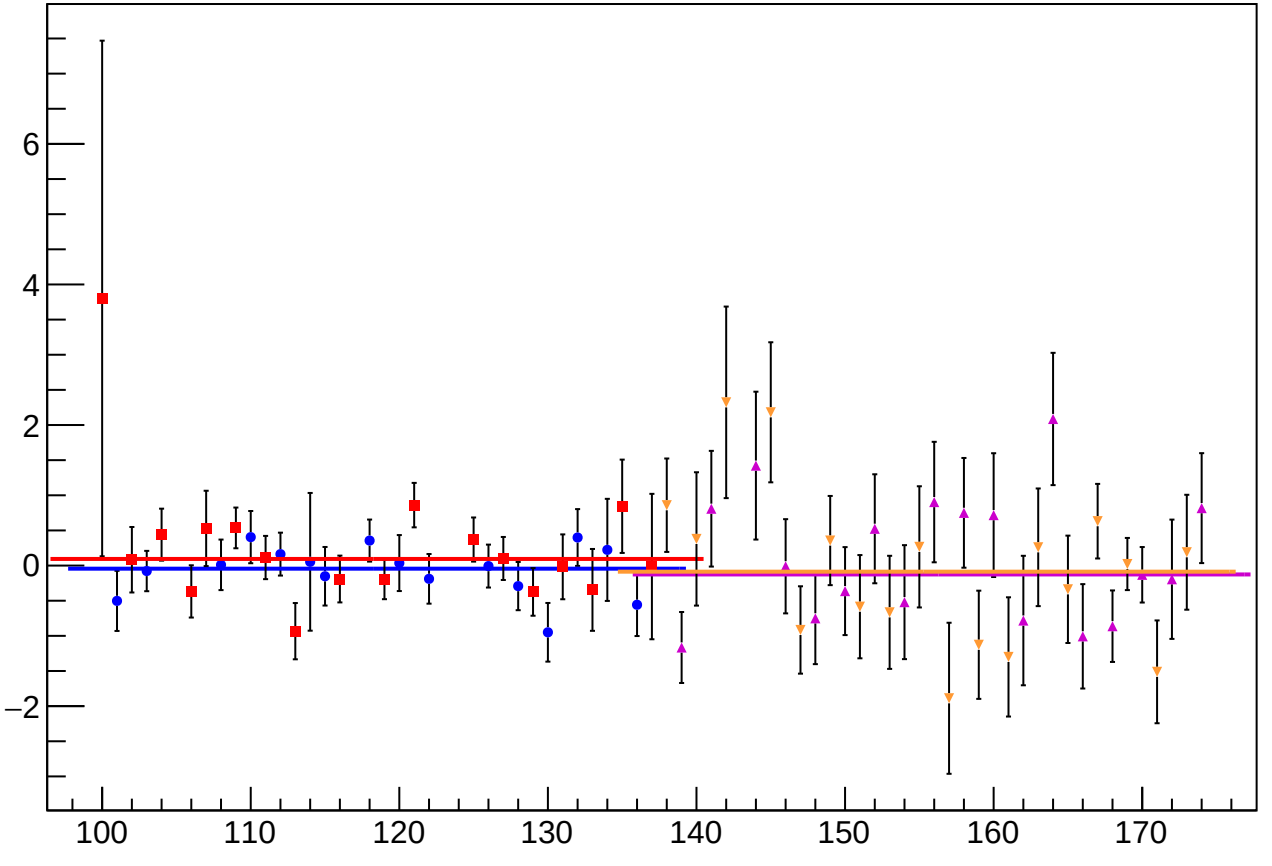
Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 327.184+/-0.057 χ^2/NDF:10068366.8/33

Out: 307.095+/-0.056 χ^2/NDF:10703493.2/35

All: 316.902+/-0.040 χ^2/NDF: 20834646.8/69

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.044+/-0.094 χ^2/NDF: 13.1/15

Left Out: -0.087+/-0.167 χ^2/NDF:26.8/17

Right Out: 0.094+/-0.090 χ^2/NDF: 25.3/17

Left In: -0.126+/-0.162 χ^2/NDF:24.3/17

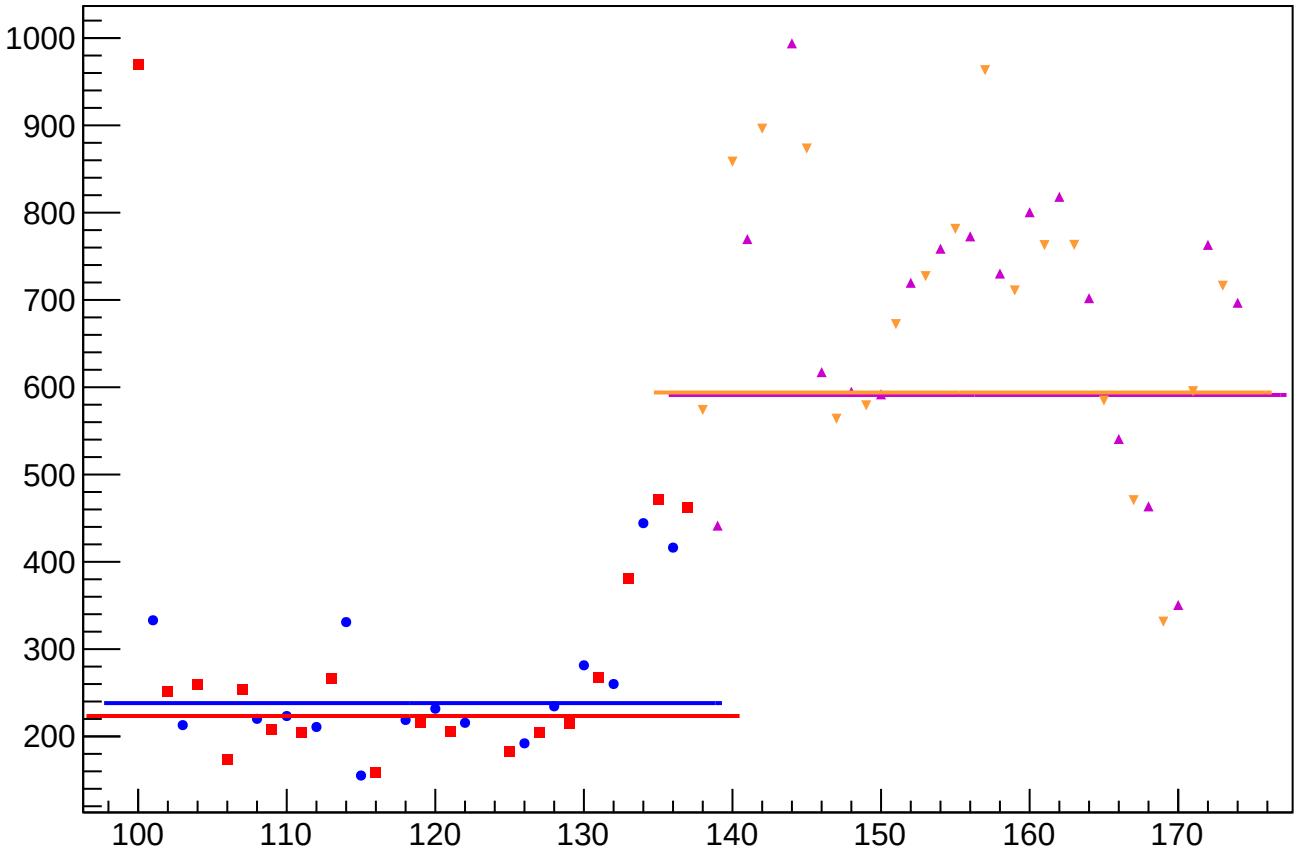
Left: -0.107+/-0.116 χ^2/NDF: 51.1/35

Right: 0.028+/-0.065 χ^2/NDF: 39.5/33

In: -0.065+/-0.081 χ^2/NDF:37.6/33

Out: 0.053+/-0.079 χ^2/NDF:53.0/35

All: -0.004+/-0.057 χ^2/NDF: 91.7/69



Right In: 238.165+/-0.066 χ^2/NDF: 807170.1/15

Left Out: 593.976+/-0.118 χ^2/NDF:2187702.5/17

Right Out: 223.390+/-0.064 χ^2/NDF: 862366.3/17

Left In: 591.158+/-0.114 χ^2/NDF:2118253.4/17

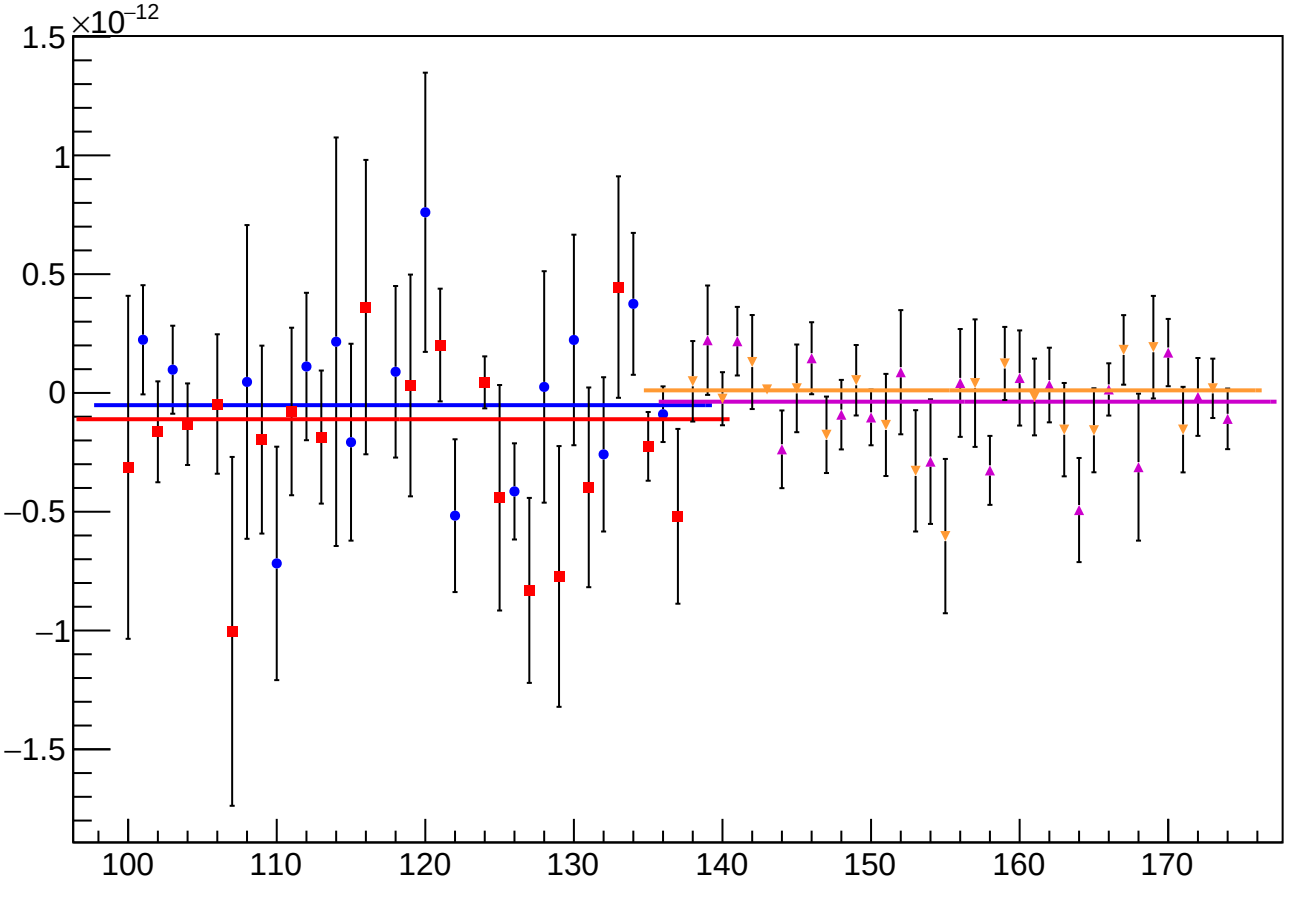
Left: 592.523+/-0.082 χ^2/NDF: 4306250.9/35

Right: 230.475+/-0.046 χ^2/NDF: 1695367.2/33

In: 327.184+/-0.057 χ^2/NDF:10068366.8/33

Out: 307.095+/-0.056 χ^2/NDF:10703493.2/35

All: 316.902+/-0.040 χ^2/NDF: 20834646.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.3/17

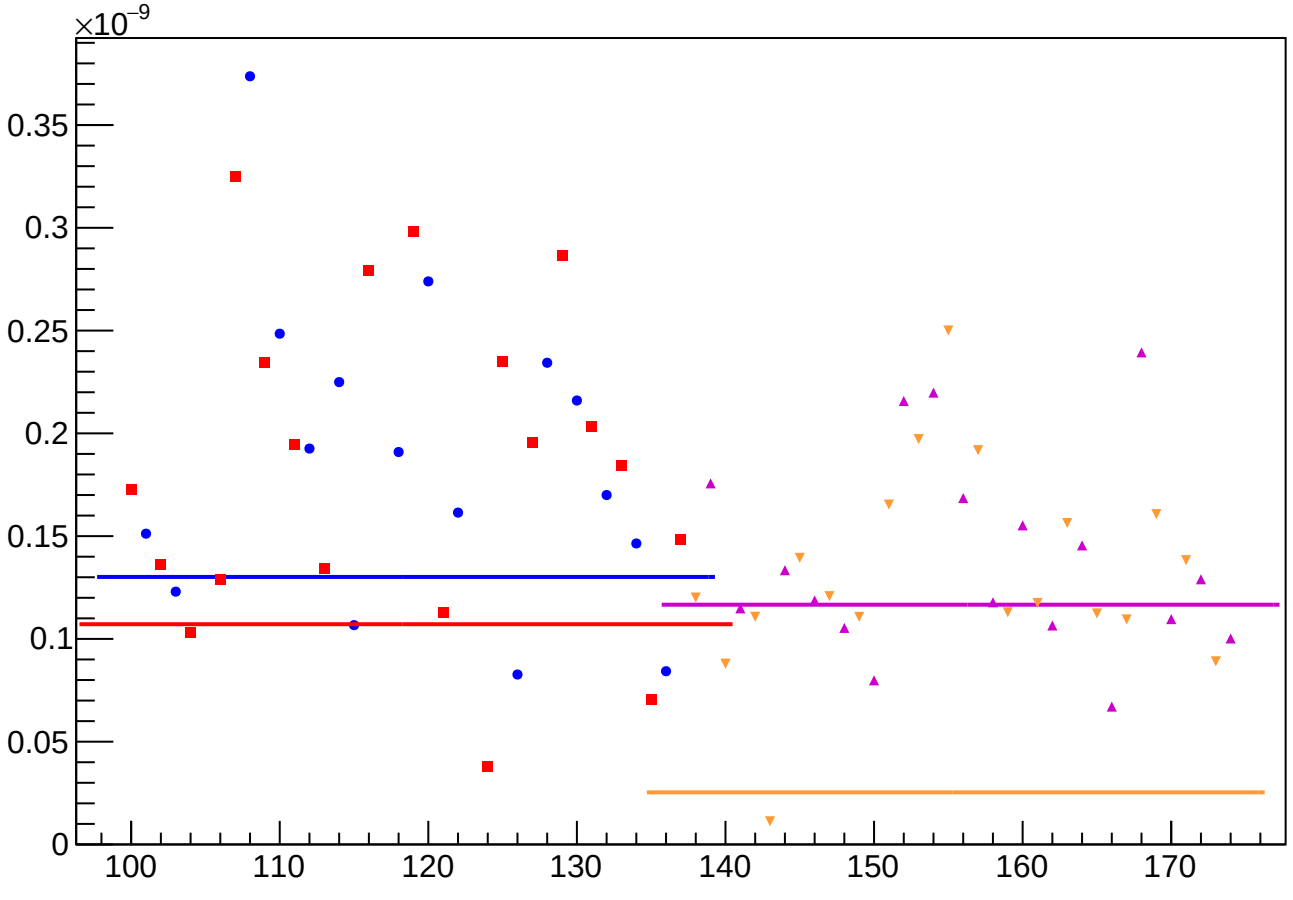
Left: 0.000+/-0.000 χ^2/NDF: 35.6/36

Right: -0.000+/-0.000 χ^2/NDF: 30.6/34

In: -0.000+/-0.000 χ^2/NDF:36.1/33

Out: 0.000+/-0.000 χ^2/NDF:32.2/37

All: -0.000+/-0.000 χ^2/NDF: 69.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 1334266.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:14338382.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2656168.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1951440.2/17

Left: 0.000+/-0.000 χ^2/NDF: 26367190.9/36

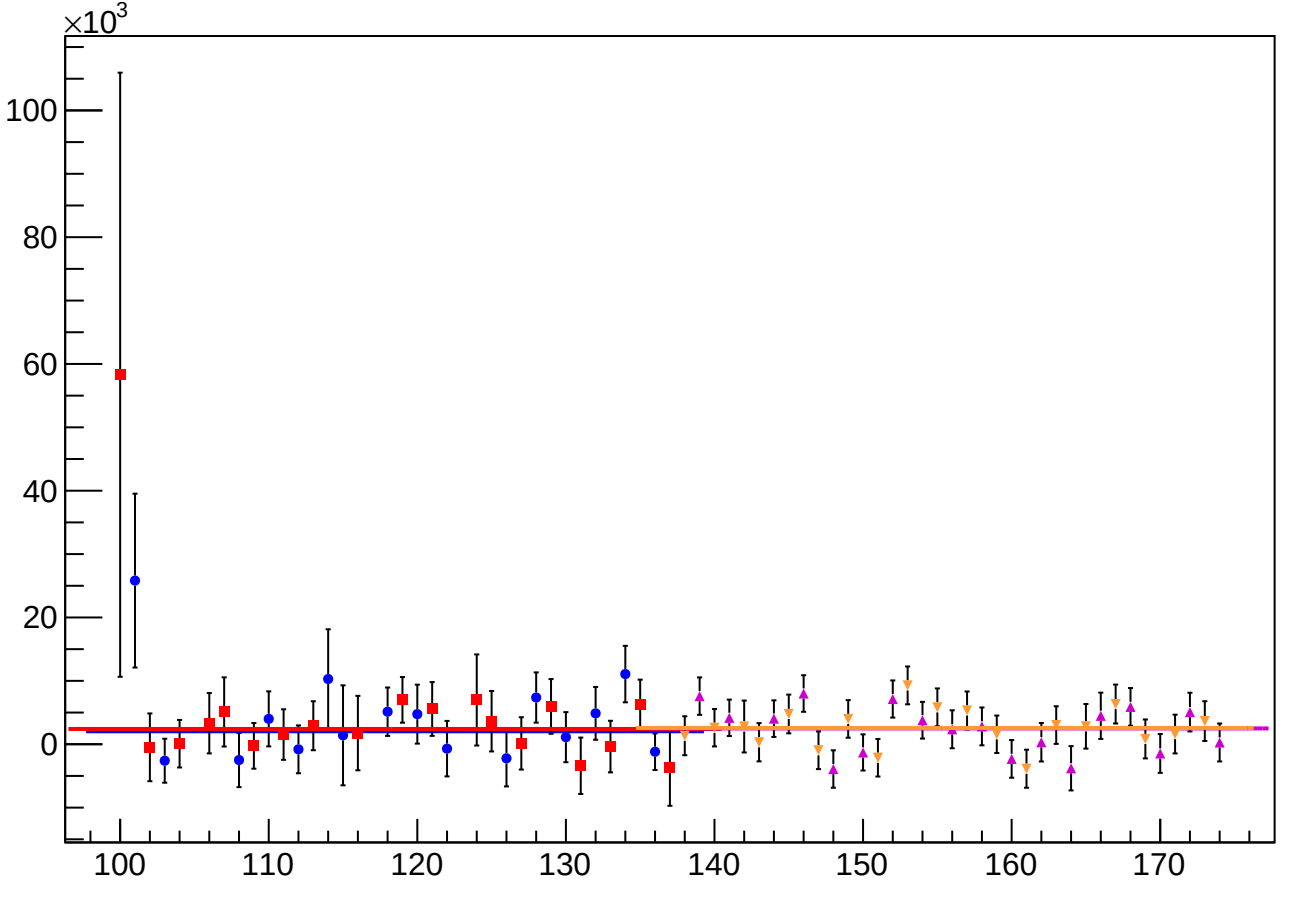
Right: 0.000+/-0.000 χ^2/NDF: 4122173.2/34

In: 0.000+/-0.000 χ^2/NDF:3346526.3/33

Out: 0.000+/-0.000 χ^2/NDF:20619437.1/37

All: 0.000+/-0.000 χ^2/NDF: 36476730.6/71

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2049.493+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.280+/-704.441 χ^2/NDF:19.3/18

Right Out: 2411.858+/-1035.471 χ^2/NDF: 10.8/18

Left In: 2493.353+/-708.941 χ^2/NDF:27.3/17

Left: 2531.558+/-499.698 χ^2/NDF: 46.6/36

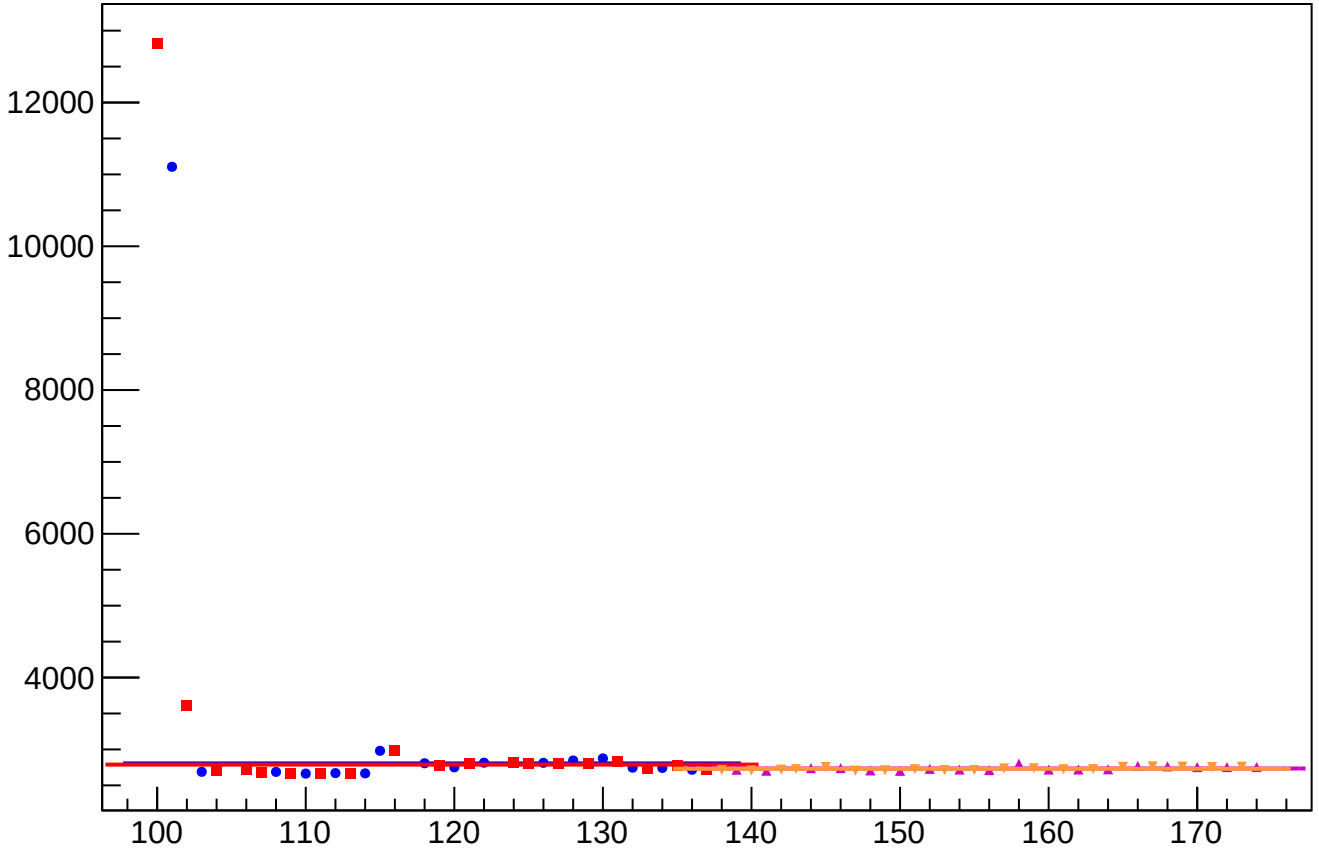
Right: 2236.684+/-744.229 χ^2/NDF: 28.6/34

In: 2358.016+/-591.058 χ^2/NDF:45.2/33

Out: 2519.474+/-582.437 χ^2/NDF:30.0/37

All: 2439.931+/-414.860 χ^2/NDF: 75.3/71

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746240.6/15

Left Out: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2788.820+/-0.732 χ^2/NDF: 146998.3/18

Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

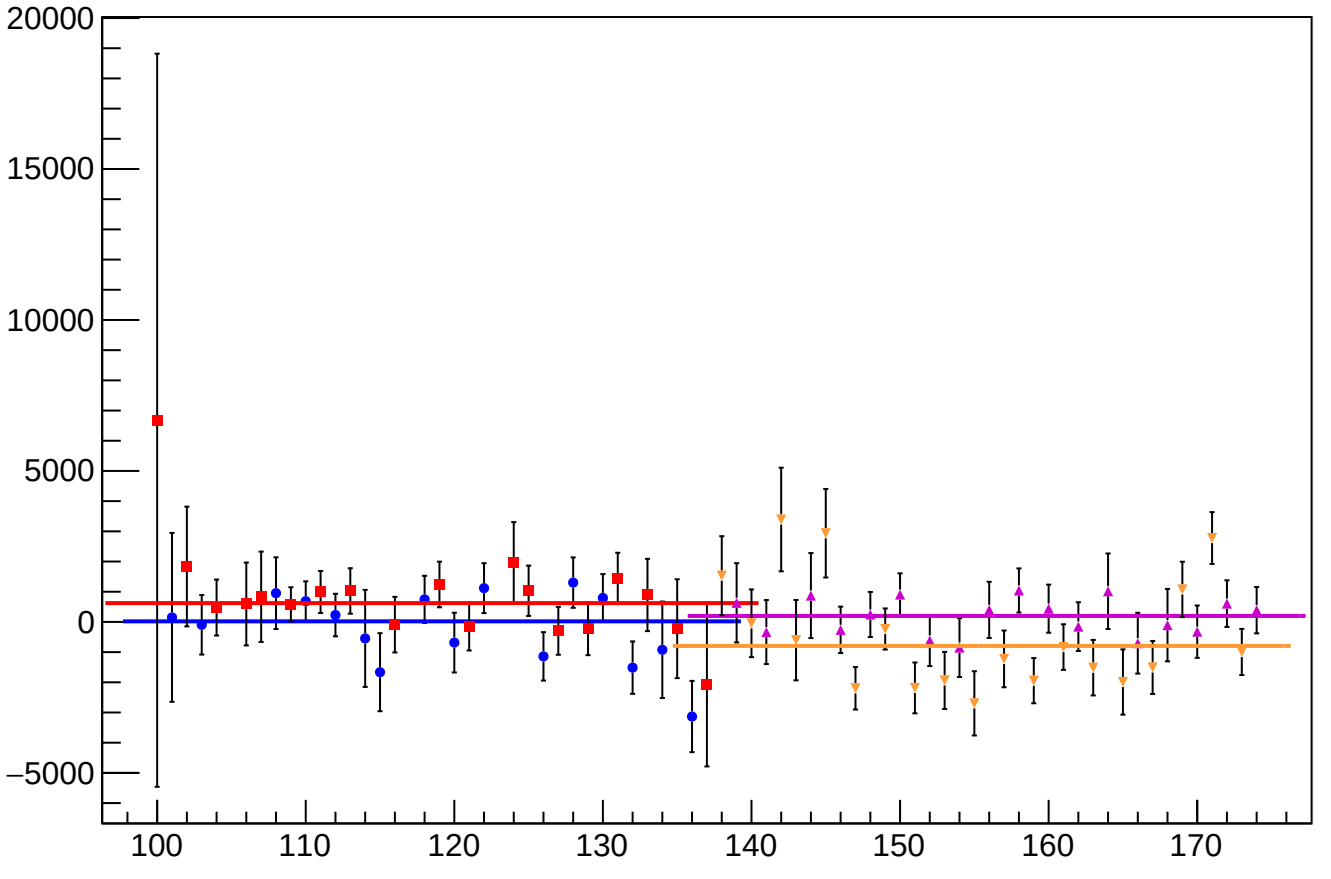
Left: 2733.120+/-0.353 χ^2/NDF: 4270.6/36

Right: 2796.857+/-0.526 χ^2/NDF: 893488.2/34

In: 2756.382+/-0.418 χ^2/NDF:754984.1/33

Out: 2749.569+/-0.412 χ^2/NDF:152750.9/37

All: 2752.925+/-0.293 χ^2/NDF: 907869.8/71



Right In: 18.981+/-233.483 χ^2/NDF: 22.8/15

Left Out: -795.098+/-210.330 χ^2/NDF:54.7/18

Right Out: 623.107+/-215.948 χ^2/NDF: 9.3/18

Left In: 197.921+/-208.039 χ^2/NDF:7.7/17

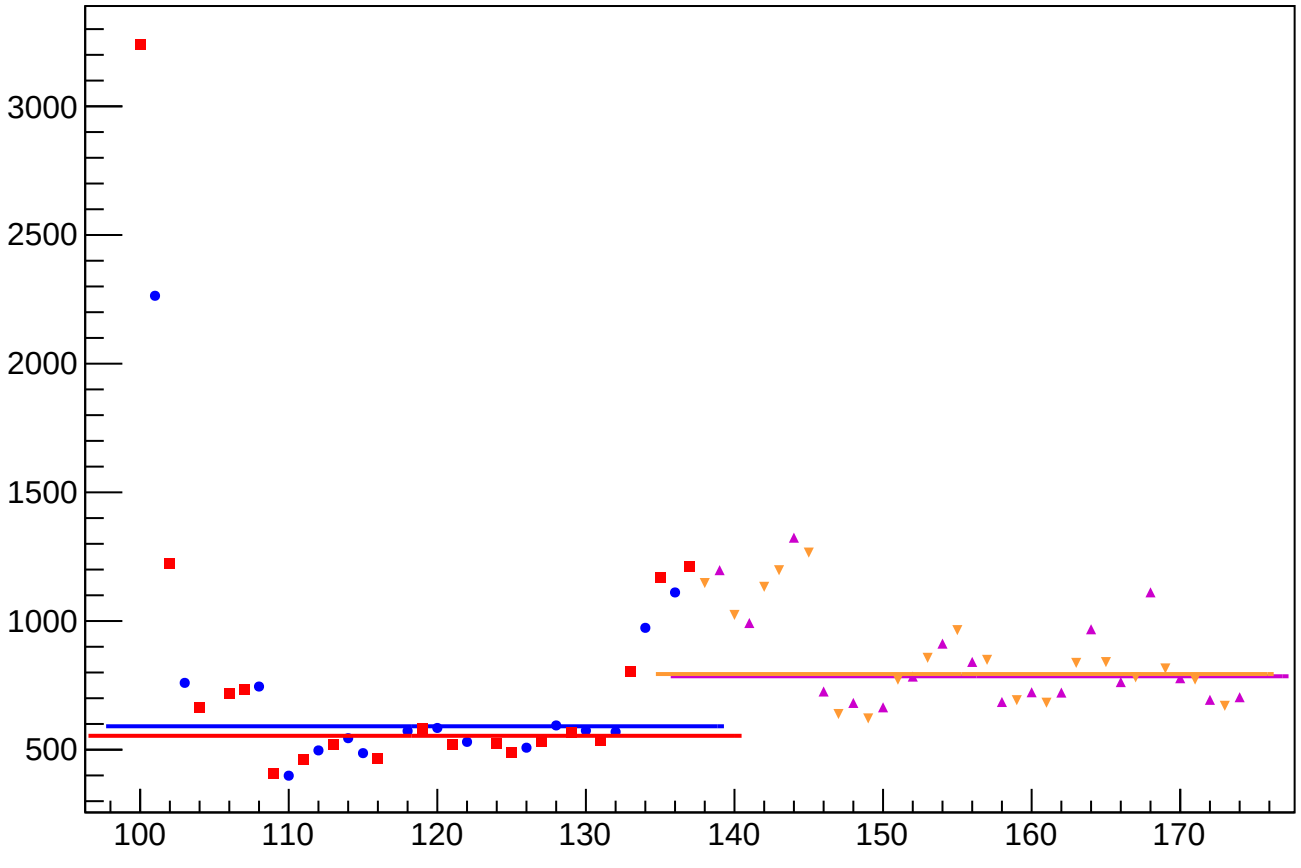
Left: -293.150+/-147.909 χ^2/NDF: 73.7/36

Right: 344.579+/-158.535 χ^2/NDF: 35.6/34

In: 118.729+/-155.325 χ^2/NDF:30.8/33

Out: -104.682+/-150.673 χ^2/NDF:86.1/37

All: 3.627+/-108.149 χ^2/NDF: 118.0/71



Right In: 591.041+/-0.165 χ^2/NDF: 1567663.5/15

Left Out: 793.994+/-0.149 χ^2/NDF:1137108.3/18

Right Out: 553.982+/-0.153 χ^2/NDF: 1116915.2/18

Left In: 785.340+/-0.147 χ^2/NDF:1020635.0/17

Left: 789.620+/-0.105 χ^2/NDF: 2159454.6/36

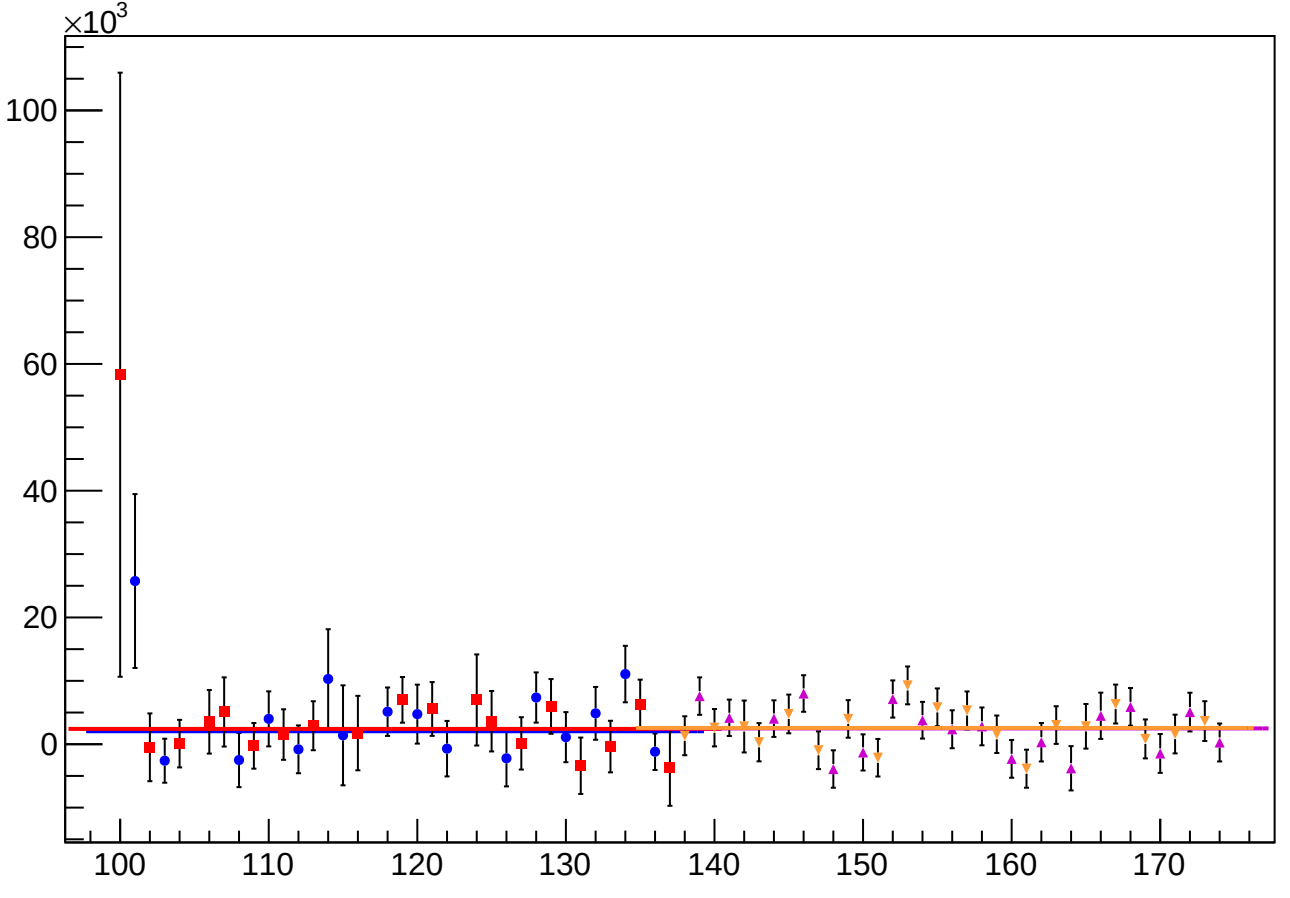
Right: 571.068+/-0.112 χ^2/NDF: 2711735.0/34

In: 699.351+/-0.110 χ^2/NDF:3360372.7/33

Out: 677.150+/-0.107 χ^2/NDF:3521866.5/37

All: 687.913+/-0.076 χ^2/NDF: 6903288.8/71

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.289+/-704.441 χ^2/NDF:19.3/18

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2493.419+/-708.941 χ^2/NDF:27.3/17

Left: 2531.596+/-499.698 χ^2/NDF: 46.6/36

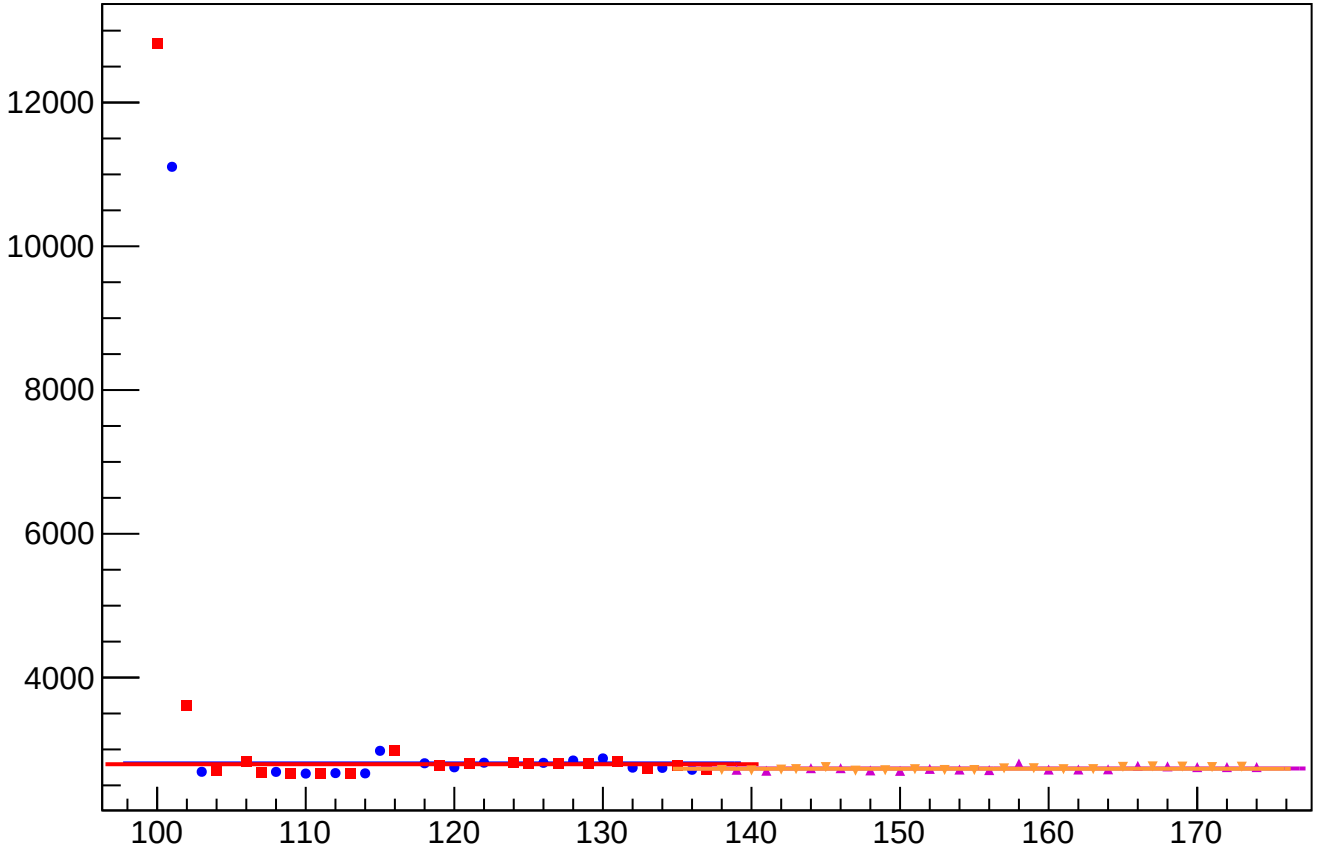
Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2357.816+/-591.058 χ^2/NDF:45.2/33

Out: 2521.544+/-582.861 χ^2/NDF:30.1/37

All: 2440.824+/-415.013 χ^2/NDF: 75.3/71

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

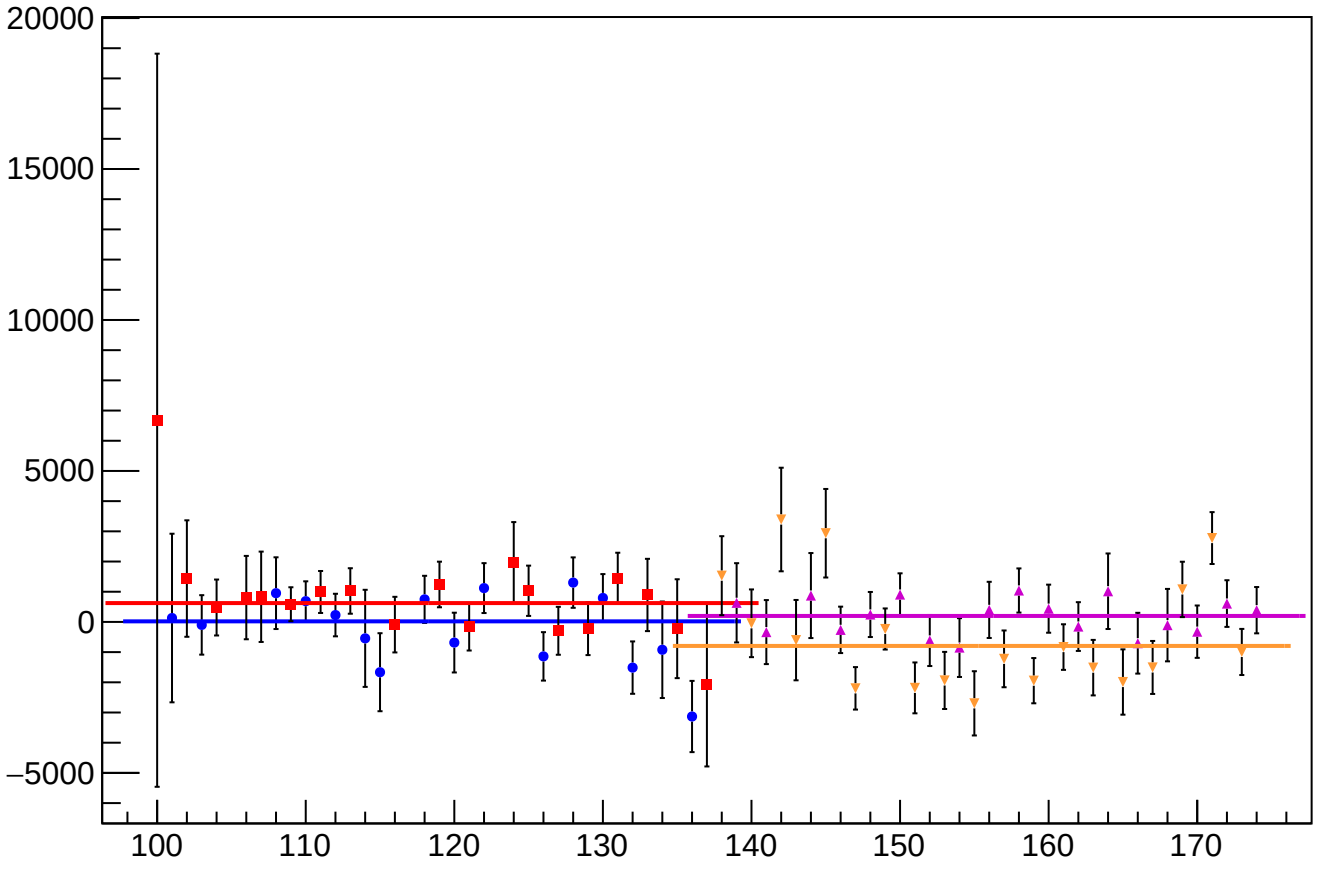
Left: 2733.120+/-0.353 χ^2/NDF: 4270.6/36

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.382+/-0.418 χ^2/NDF:754983.2/33

Out: 2751.195+/-0.412 χ^2/NDF:153298.9/37

All: 2753.752+/-0.293 χ^2/NDF: 908360.2/71



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -795.010+/-210.329 χ^2/NDF:54.7/18

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 198.033+/-208.040 χ^2/NDF:7.7/17

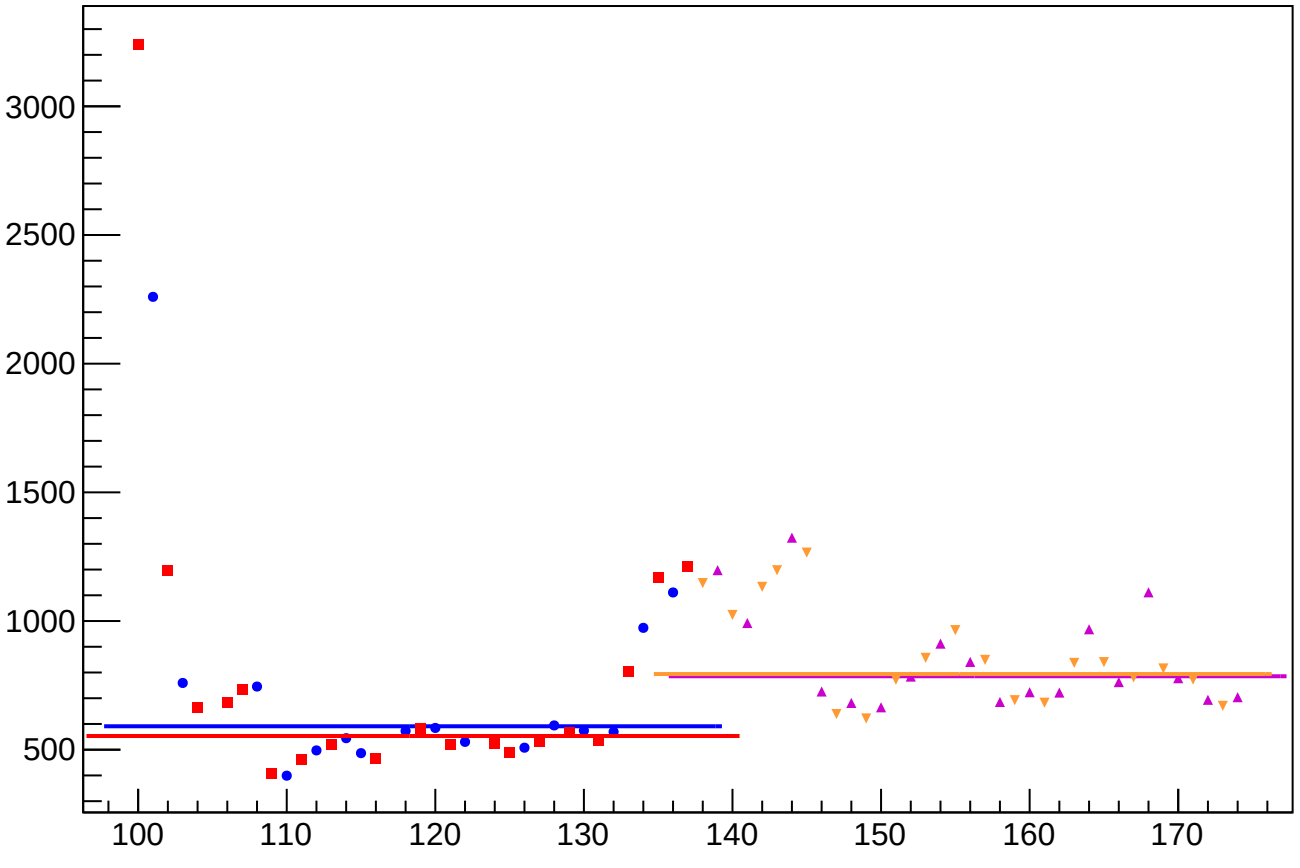
Left: -293.055+/-147.909 χ^2/NDF: 73.7/36

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 118.768+/-155.322 χ^2/NDF:30.8/33

Out: -103.949+/-150.657 χ^2/NDF:86.0/37

All: 4.014+/-108.142 χ^2/NDF: 117.8/71



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 793.987+/-0.149 χ^2/NDF:1137133.9/18

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

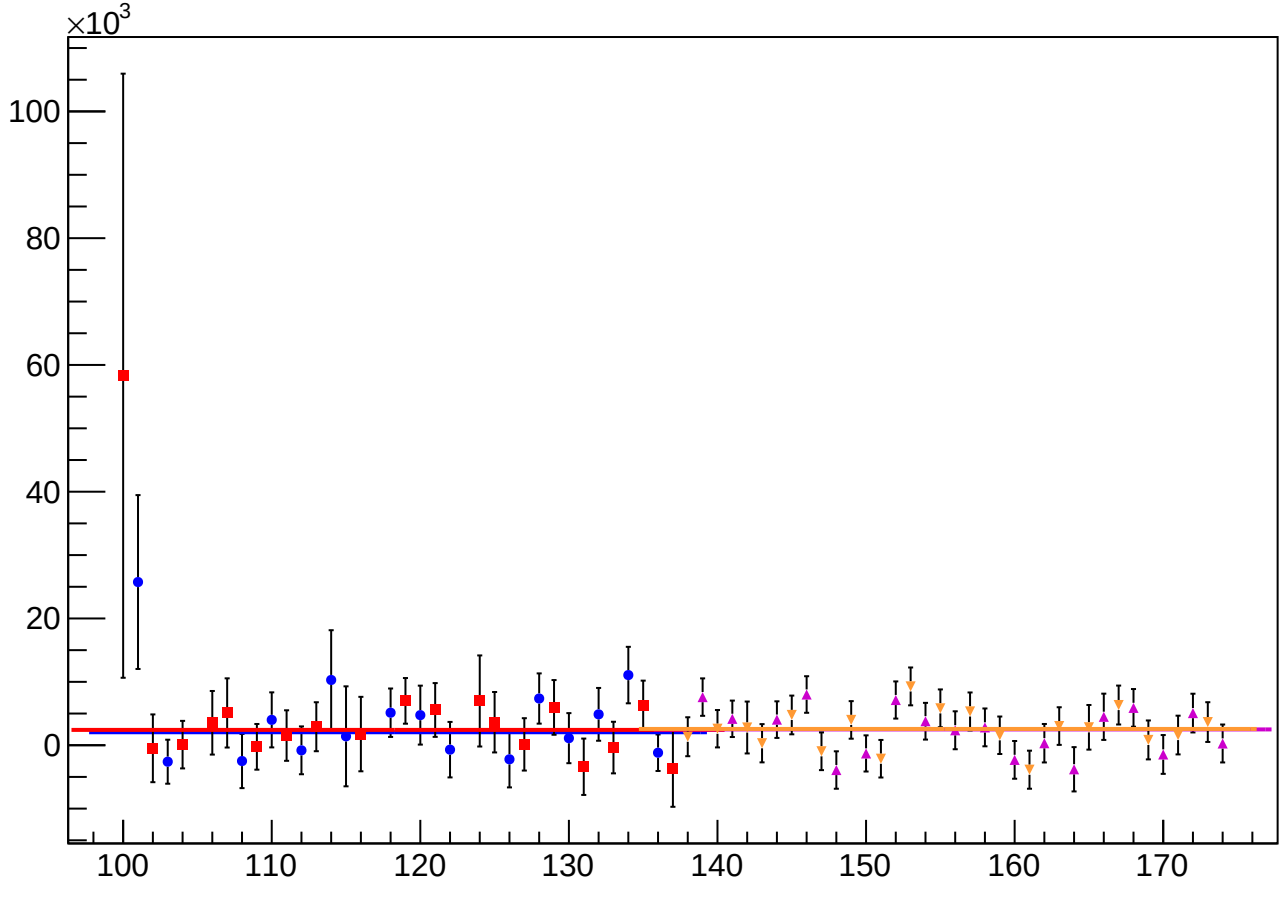
Left: 789.618+/-0.105 χ^2/NDF: 2159399.6/36

Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.347+/-0.110 χ^2/NDF:3359353.3/33

Out: 676.757+/-0.107 χ^2/NDF:3514766.3/37

All: 687.708+/-0.076 χ^2/NDF: 6895917.2/71



Right In: 2048.688+/-1070.395 χ^2/NDF: 17.8/15

Left Out: 2569.289+/-704.441 χ^2/NDF:19.3/18

Right Out: 2417.909+/-1037.856 χ^2/NDF: 10.8/18

Left In: 2493.419+/-708.941 χ^2/NDF:27.3/17

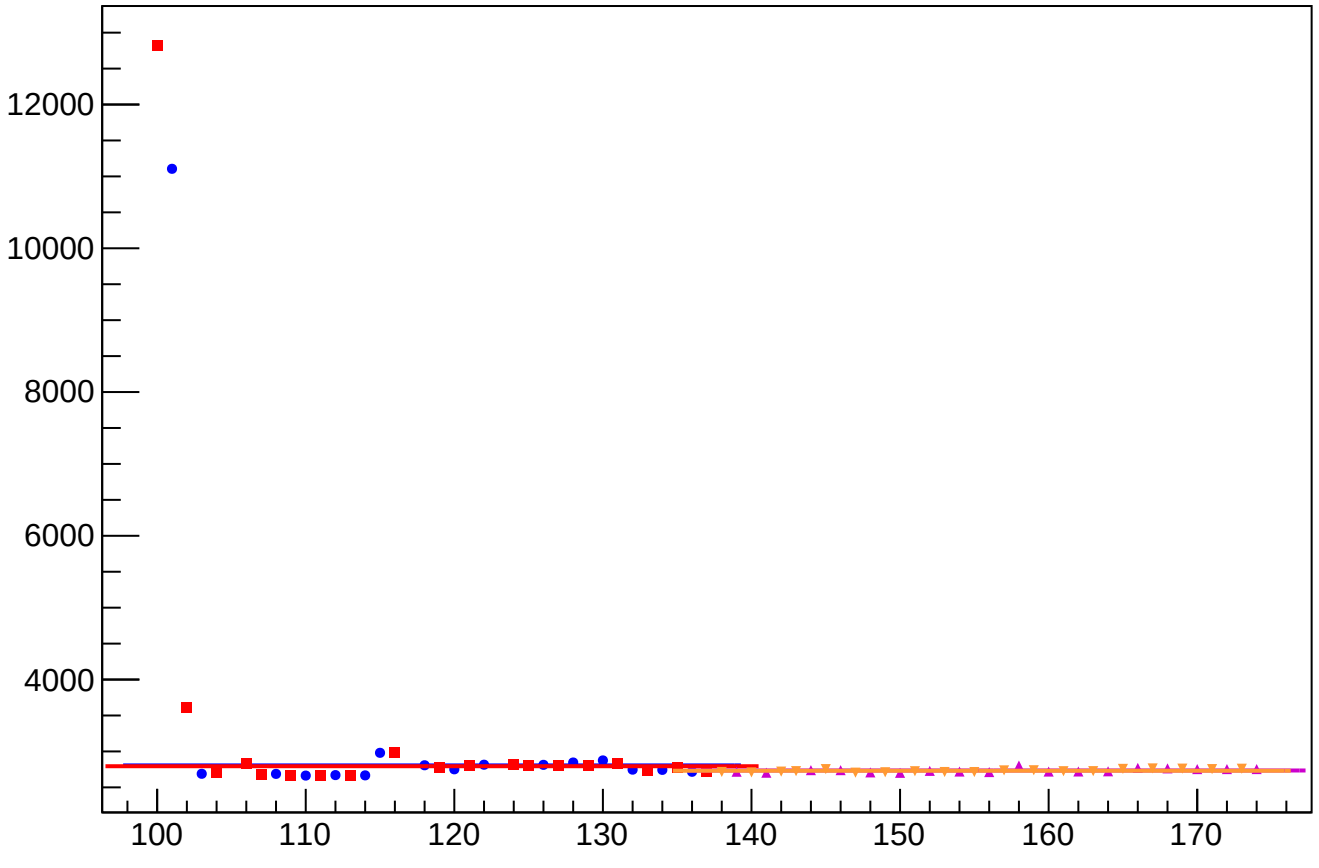
Left: 2531.596+/-499.698 χ^2/NDF: 46.6/36

Right: 2238.996+/-745.113 χ^2/NDF: 28.6/34

In: 2357.816+/-591.058 χ^2/NDF:45.2/33

Out: 2521.544+/-582.861 χ^2/NDF:30.1/37

All: 2440.824+/-415.013 χ^2/NDF: 75.3/71



Right In: 2805.446+/-0.757 χ^2/NDF: 746239.8/15

Left Out: 2731.402+/-0.498 χ^2/NDF:1548.6/18

Right Out: 2794.157+/-0.734 χ^2/NDF: 146744.3/18

Left In: 2734.859+/-0.501 χ^2/NDF:2698.1/17

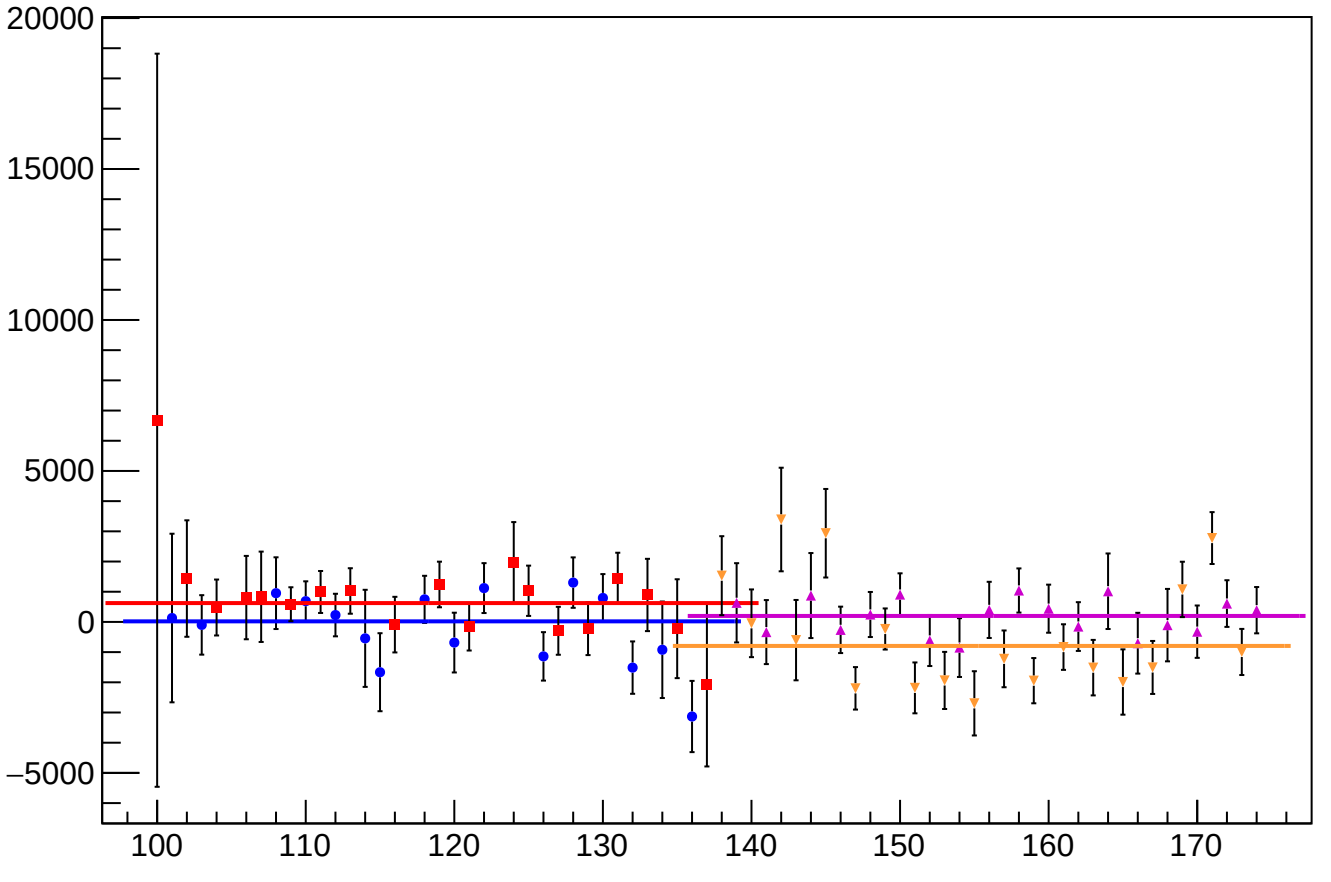
Left: 2733.120+/-0.353 χ^2/NDF: 4270.6/36

Right: 2799.627+/-0.527 χ^2/NDF: 893098.7/34

In: 2756.382+/-0.418 χ^2/NDF:754983.2/33

Out: 2751.195+/-0.412 χ^2/NDF:153298.9/37

All: 2753.752+/-0.293 χ^2/NDF: 908360.2/71



Right In: 18.940+/-233.471 χ^2/NDF: 22.8/15

Left Out: -795.010+/-210.329 χ^2/NDF:54.7/18

Right Out: 624.217+/-215.902 χ^2/NDF: 9.1/18

Left In: 198.033+/-208.040 χ^2/NDF:7.7/17

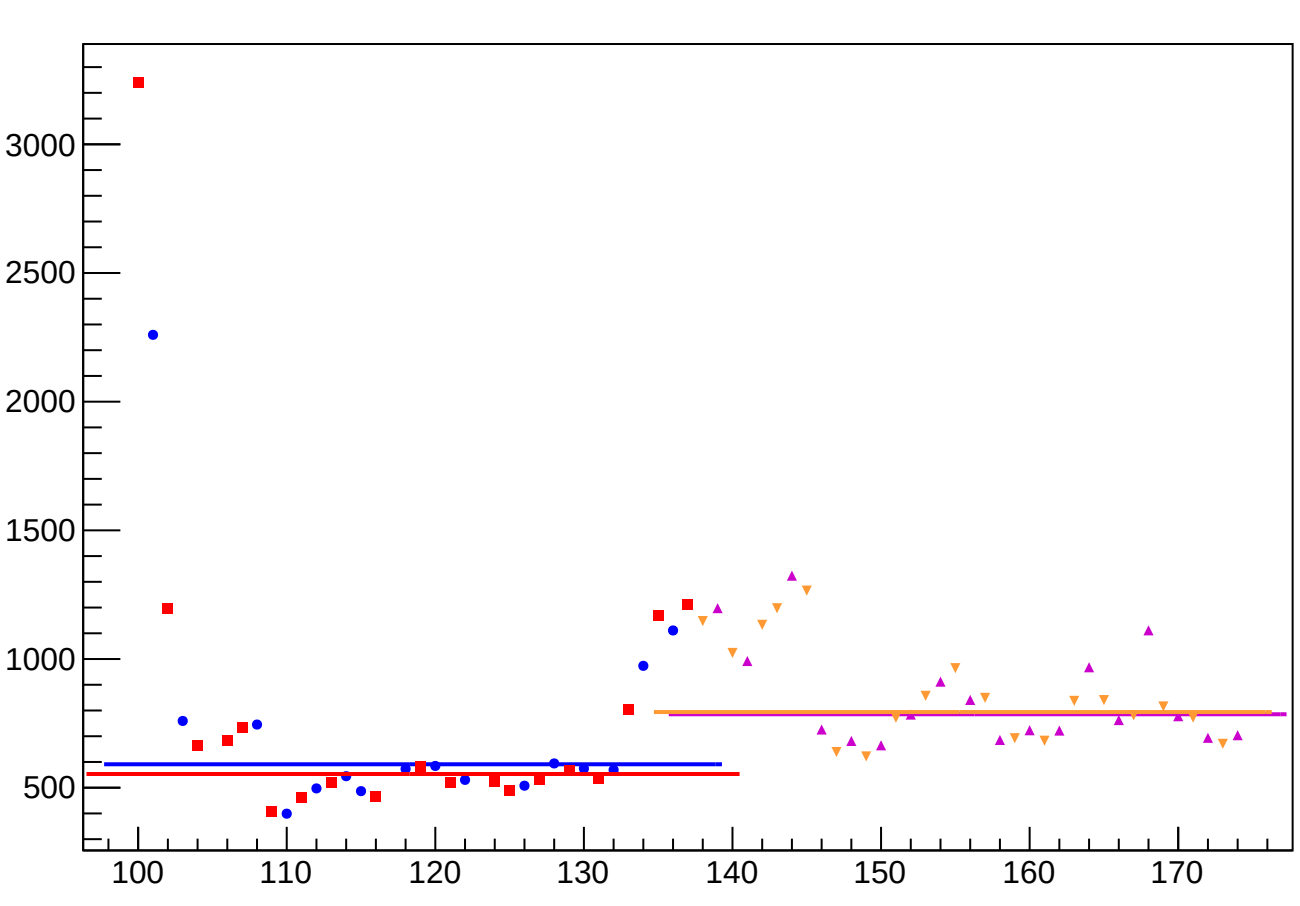
Left: -293.055+/-147.909 χ^2/NDF: 73.7/36

Right: 345.208+/-158.513 χ^2/NDF: 35.5/34

In: 118.768+/-155.322 χ^2/NDF:30.8/33

Out: -103.949+/-150.657 χ^2/NDF:86.0/37

All: 4.014+/-108.142 χ^2/NDF: 117.8/71



Right In: 591.039+/-0.165 χ^2/NDF: 1566635.0/15

Left Out: 793.987+/-0.149 χ^2/NDF:1137133.9/18

Right Out: 553.233+/-0.153 χ^2/NDF: 1101651.0/18

Left In: 785.344+/-0.147 χ^2/NDF:1020558.8/17

Left: 789.618+/-0.105 χ^2/NDF: 2159399.6/36

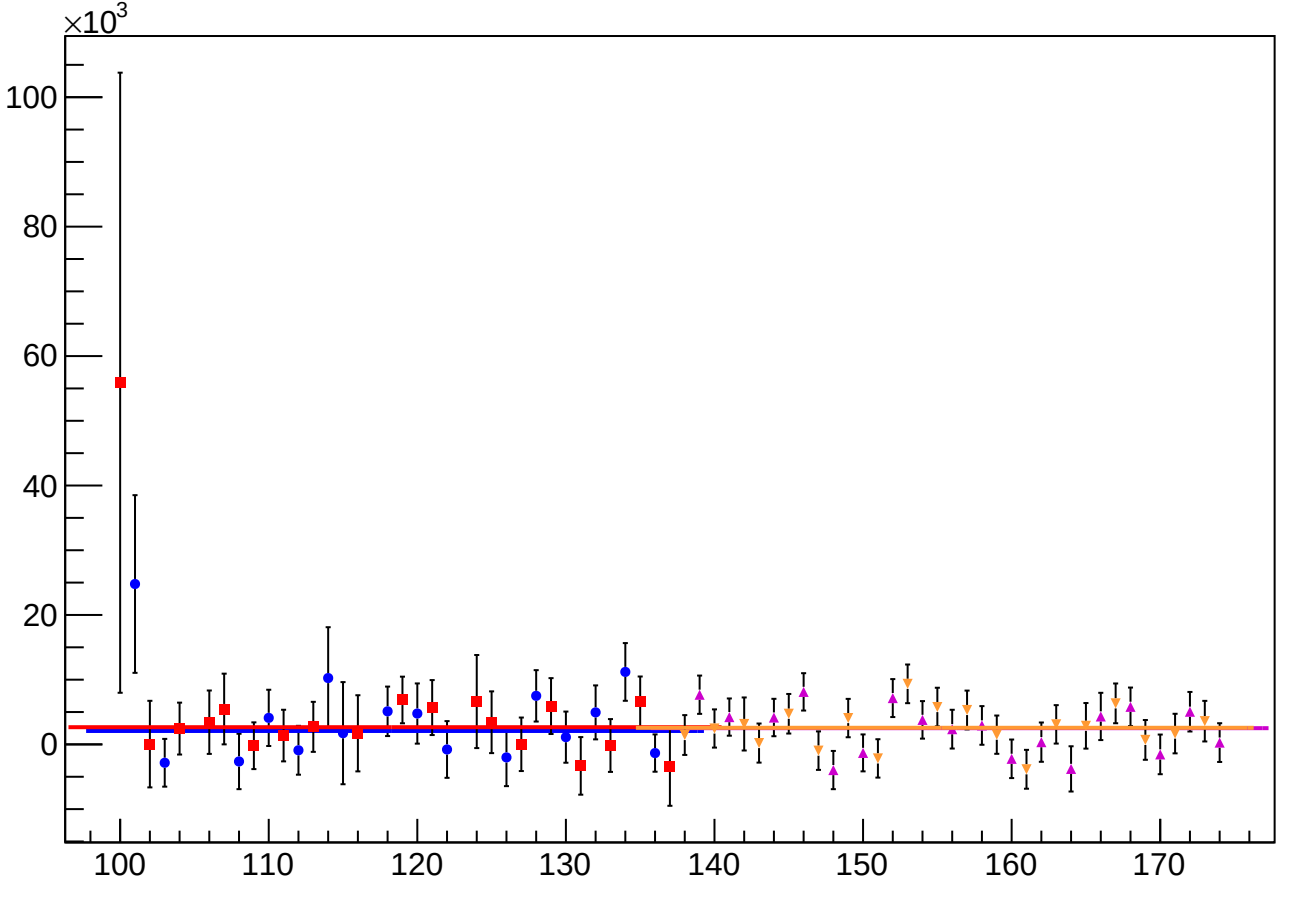
Right: 570.660+/-0.112 χ^2/NDF: 2696555.4/34

In: 699.347+/-0.110 χ^2/NDF:3359353.3/33

Out: 676.757+/-0.107 χ^2/NDF:3514766.3/37

All: 687.708+/-0.076 χ^2/NDF: 6895917.2/71

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2565.674+/-704.912 χ^2/NDF:19.4/18

Right Out: 2657.301+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2506.741+/-709.344 χ^2/NDF:27.6/17

Left: 2536.392+/-500.008 χ^2/NDF: 47.0/36

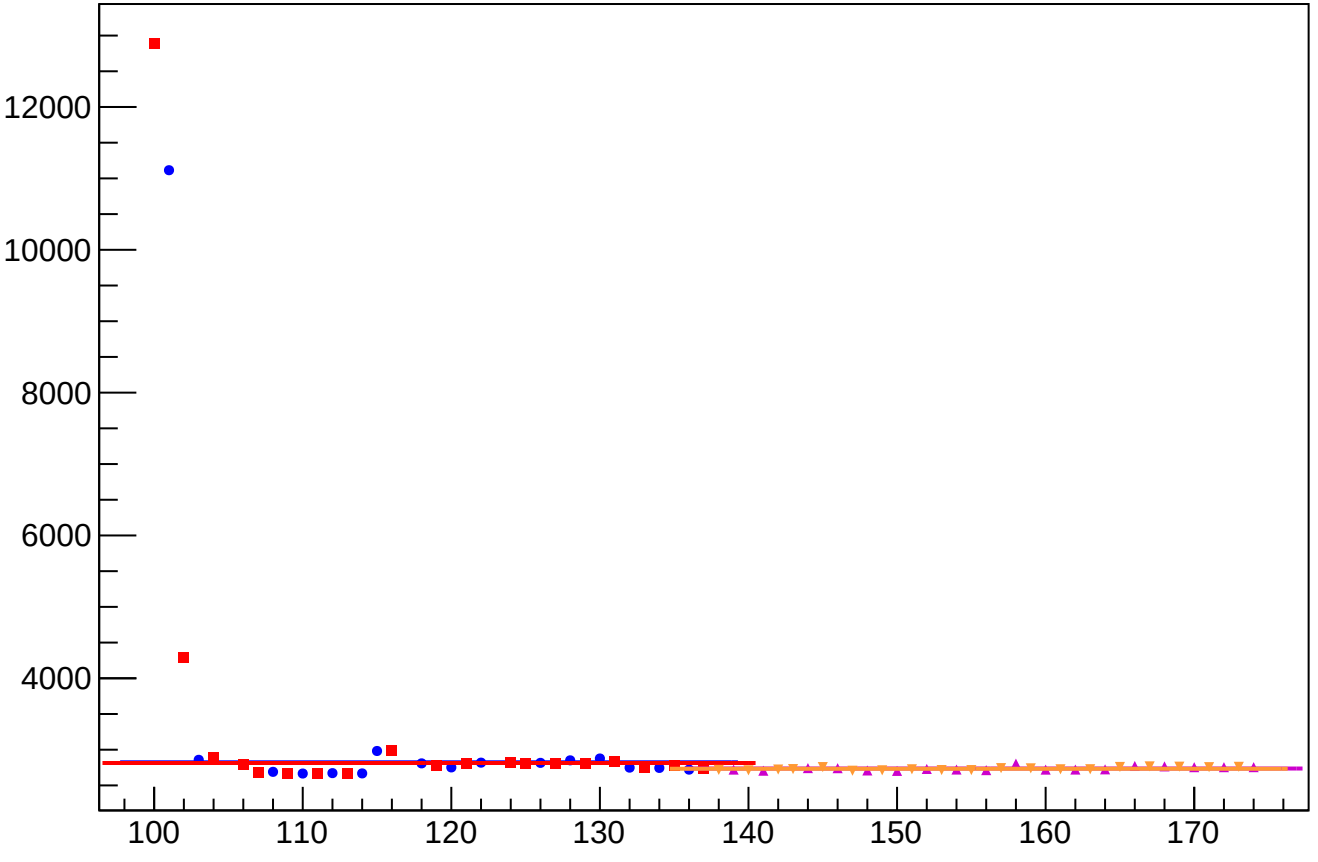
Right: 2373.513+/-751.840 χ^2/NDF: 28.0/34

In: 2376.078+/-592.429 χ^2/NDF:45.6/33

Out: 2594.145+/-585.233 χ^2/NDF:29.4/37

All: 2486.444+/-416.343 χ^2/NDF: 75.0/71

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2733.221+/-0.498 χ^2/NDF:1560.2/18

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.9/18

Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

Left: 2734.805+/-0.354 χ^2/NDF: 4283.5/36

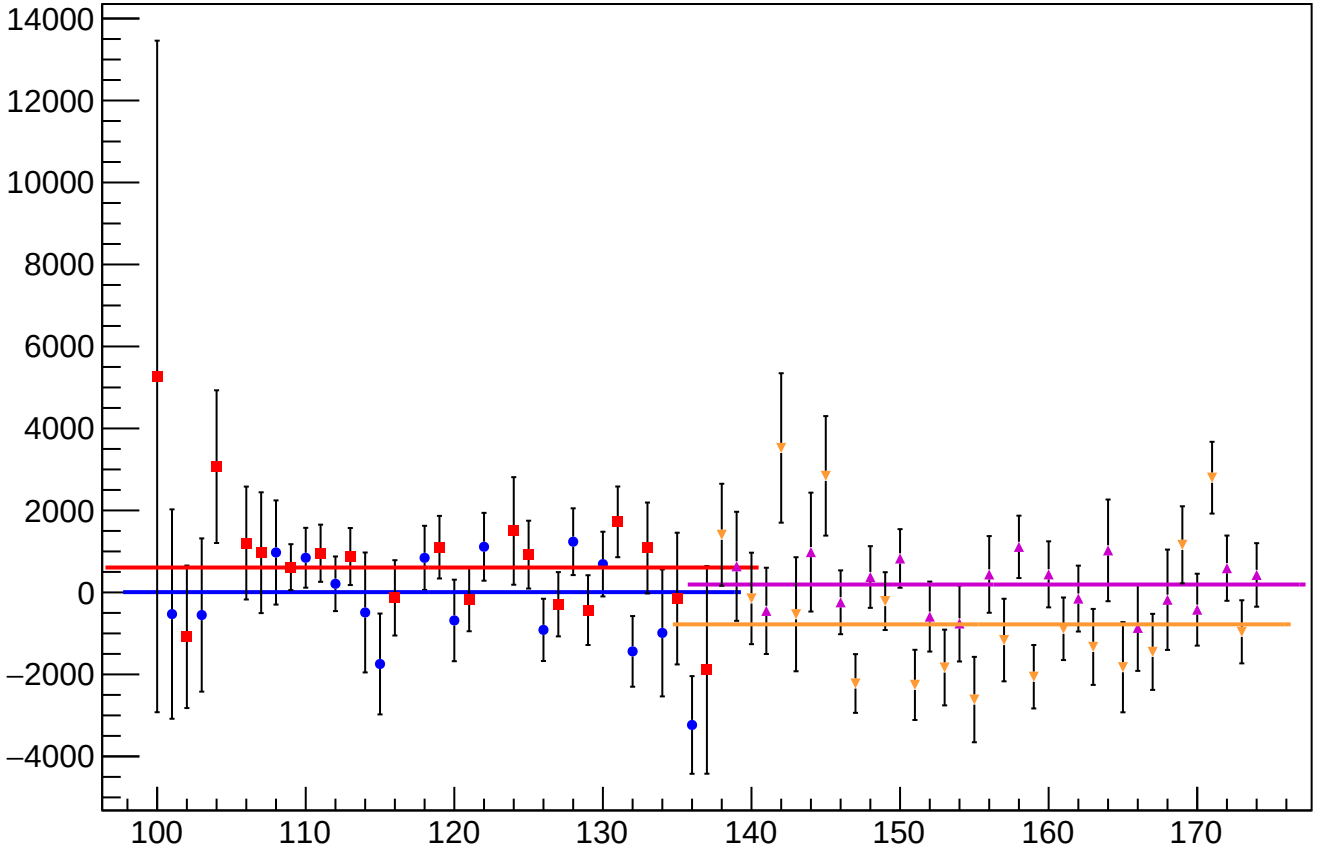
Right: 2818.511+/-0.532 χ^2/NDF: 944509.9/34

In: 2762.736+/-0.419 χ^2/NDF:755727.4/33

Out: 2758.267+/-0.414 χ^2/NDF:210197.0/37

All: 2760.474+/-0.294 χ^2/NDF: 965982.0/71

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: 7.048+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.775+/-214.143 χ^2/NDF:53.0/18

Right Out: 607.647+/-217.093 χ^2/NDF: 12.2/18

Left In: 192.652+/-210.426 χ^2/NDF:8.0/17

Left: -284.558+/-150.091 χ^2/NDF: 71.4/36

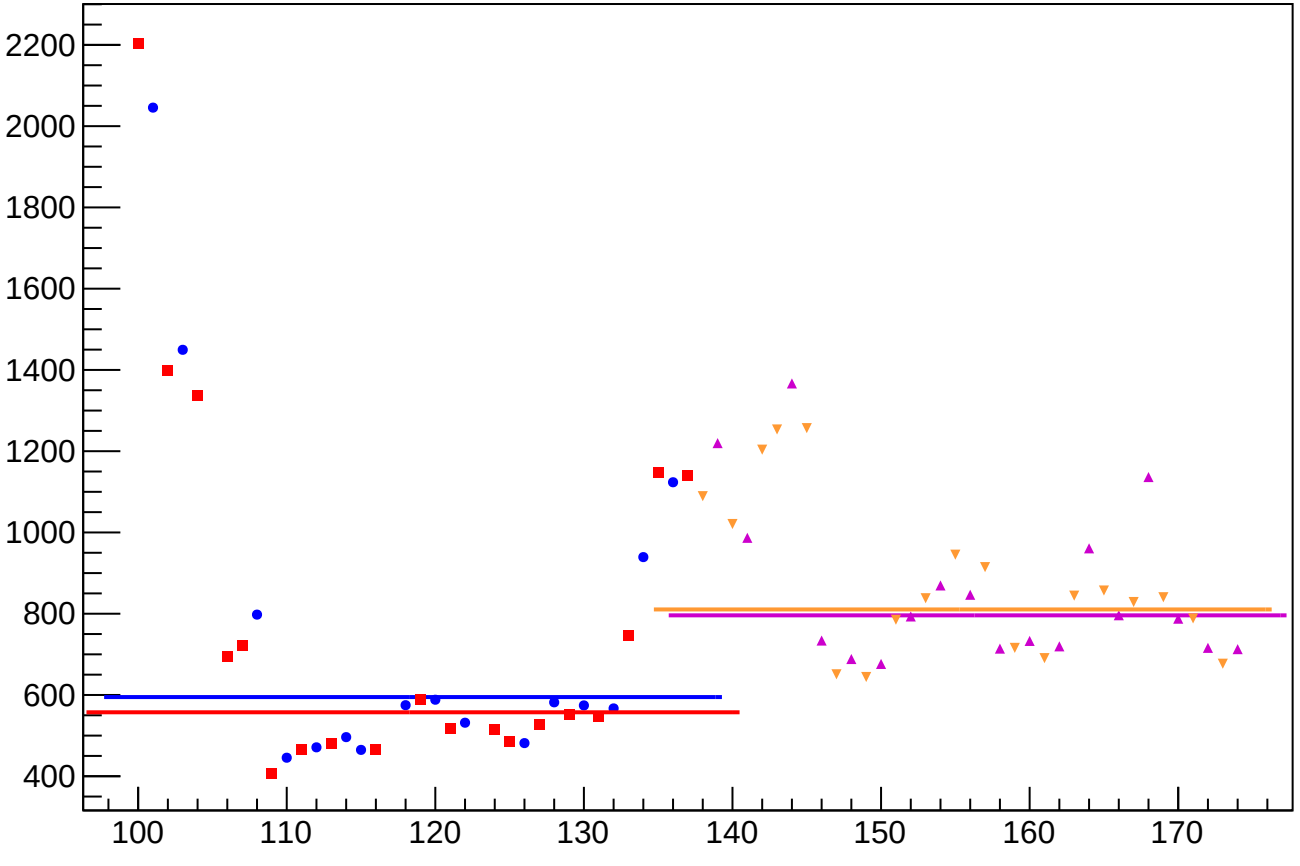
Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 111.010+/-157.487 χ^2/NDF:31.2/33

Out: -95.049+/-152.454 χ^2/NDF:85.8/37

All: 4.636+/-109.537 χ^2/NDF: 117.8/71

asym_atr1_dit_correction_rms vs Slug, Sign Corrected



Right In: 594.858+/-0.168 χ^2/NDF: 1852655.3/15

Left Out: 810.519+/-0.151 χ^2/NDF:1073424.8/18

Right Out: 557.397+/-0.154 χ^2/NDF: 1631309.6/18

Left In: 795.990+/-0.149 χ^2/NDF:993649.3/17

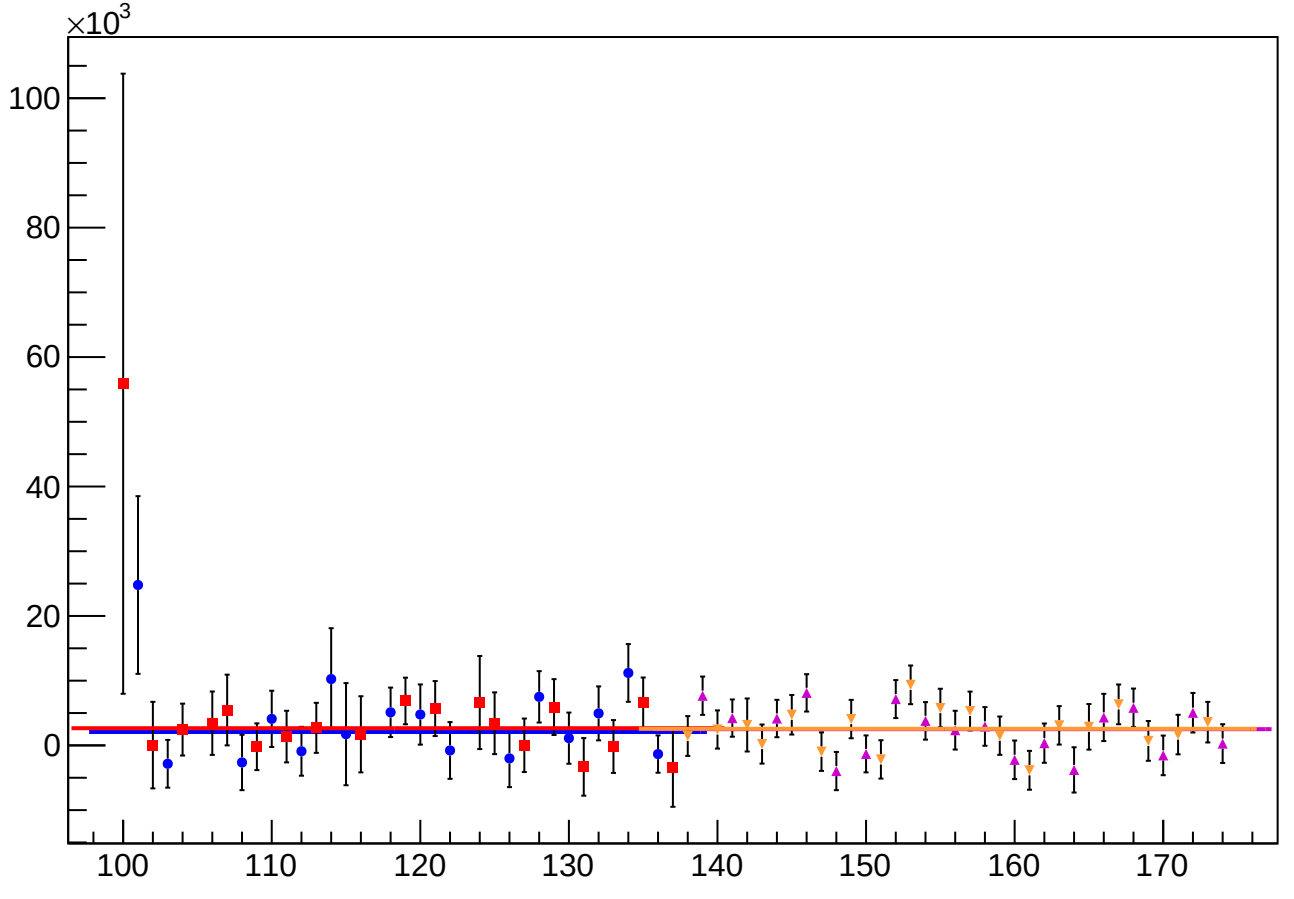
Left: 803.127+/-0.106 χ^2/NDF: 2071757.7/36

Right: 574.453+/-0.113 χ^2/NDF: 3511078.0/34

In: 707.518+/-0.111 χ^2/NDF:3650052.1/33

Out: 685.690+/-0.108 χ^2/NDF:4082792.1/37

All: 696.249+/-0.077 χ^2/NDF: 7752678.8/71



Right In: 2074.766+/-1077.182 χ^2/NDF: 17.9/15

Left Out: 2565.675+/-704.912 χ^2/NDF:19.4/18

Right Out: 2657.300+/-1049.868 χ^2/NDF: 9.9/18

Left In: 2506.741+/-709.344 χ^2/NDF:27.6/17

Left: 2536.392+/-500.008 χ^2/NDF: 47.0/36

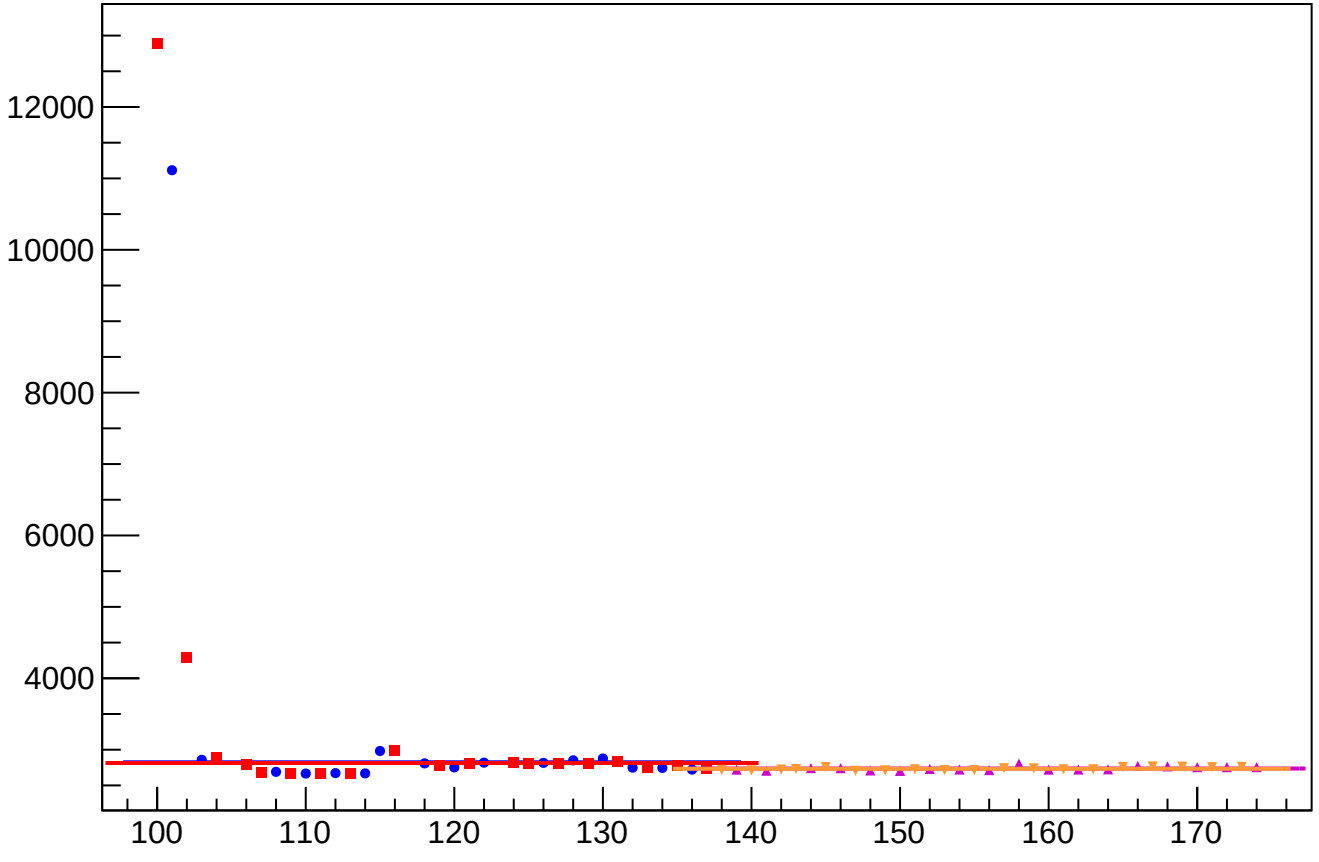
Right: 2373.512+/-751.840 χ^2/NDF: 28.0/34

In: 2376.078+/-592.429 χ^2/NDF:45.6/33

Out: 2594.146+/-585.233 χ^2/NDF:29.4/37

All: 2486.444+/-416.343 χ^2/NDF: 75.0/71

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2823.448+/-0.762 χ^2/NDF: 743916.1/15

Left Out: 2733.221+/-0.498 χ^2/NDF:1560.2/18

Right Out: 2813.821+/-0.742 χ^2/NDF: 200511.7/18

Left In: 2736.409+/-0.502 χ^2/NDF:2703.0/17

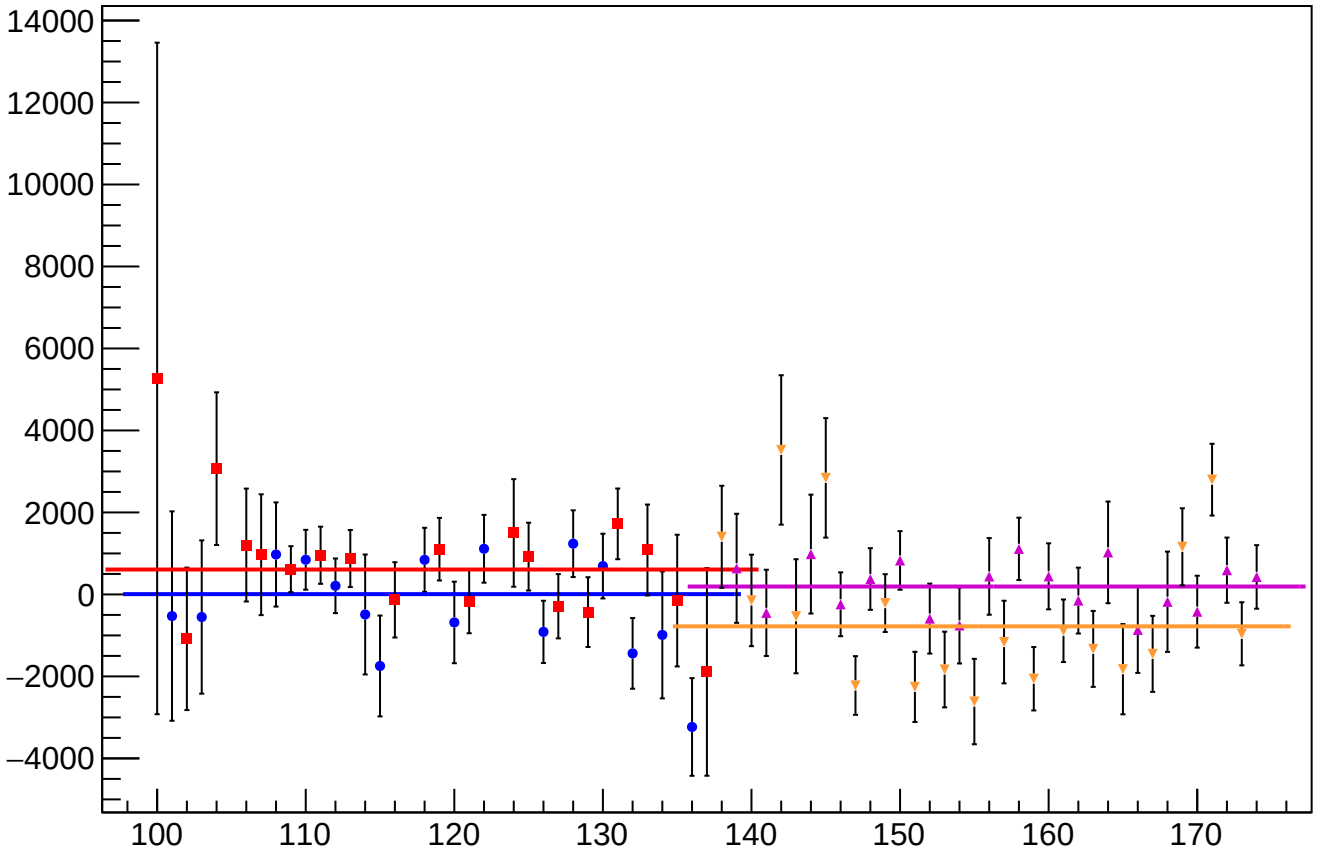
Left: 2734.805+/-0.354 χ^2/NDF: 4283.5/36

Right: 2818.511+/-0.532 χ^2/NDF: 944509.7/34

In: 2762.736+/-0.419 χ^2/NDF:755727.4/33

Out: 2758.267+/-0.414 χ^2/NDF:210196.7/37

All: 2760.474+/-0.294 χ^2/NDF: 965981.7/71



Right In: 7.049+/-237.455 χ^2/NDF: 22.8/15

Left Out: -778.776+/-214.143 χ^2/NDF:53.0/18

Right Out: 607.647+/-217.094 χ^2/NDF: 12.2/18

Left In: 192.653+/-210.426 χ^2/NDF:8.0/17

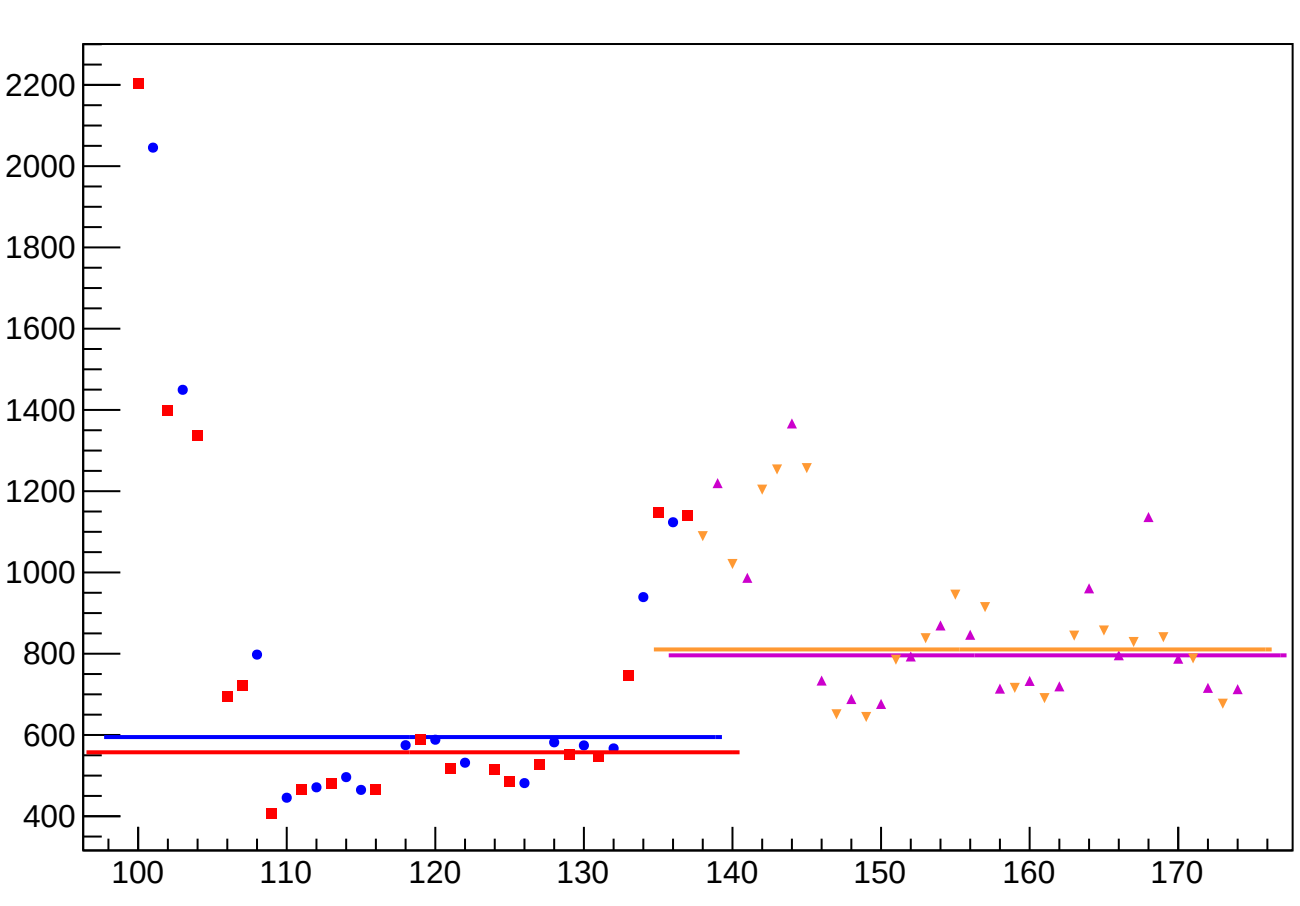
Left: -284.558+/-150.091 χ^2/NDF: 71.4/36

Right: 334.198+/-160.224 χ^2/NDF: 38.5/34

In: 111.011+/-157.487 χ^2/NDF:31.2/33

Out: -95.049+/-152.455 χ^2/NDF:85.8/37

All: 4.636+/-109.538 χ^2/NDF: 117.8/71



Right In: 594.858+/-0.168 χ^2/NDF: 1852649.9/15

Left Out: 810.519+/-0.151 χ^2/NDF:1073427.0/18

Right Out: 557.397+/-0.154 χ^2/NDF: 1631307.0/18

Left In: 795.990+/-0.149 χ^2/NDF:993653.0/17

Left: 803.127+/-0.106 χ^2/NDF: 2071763.8/36

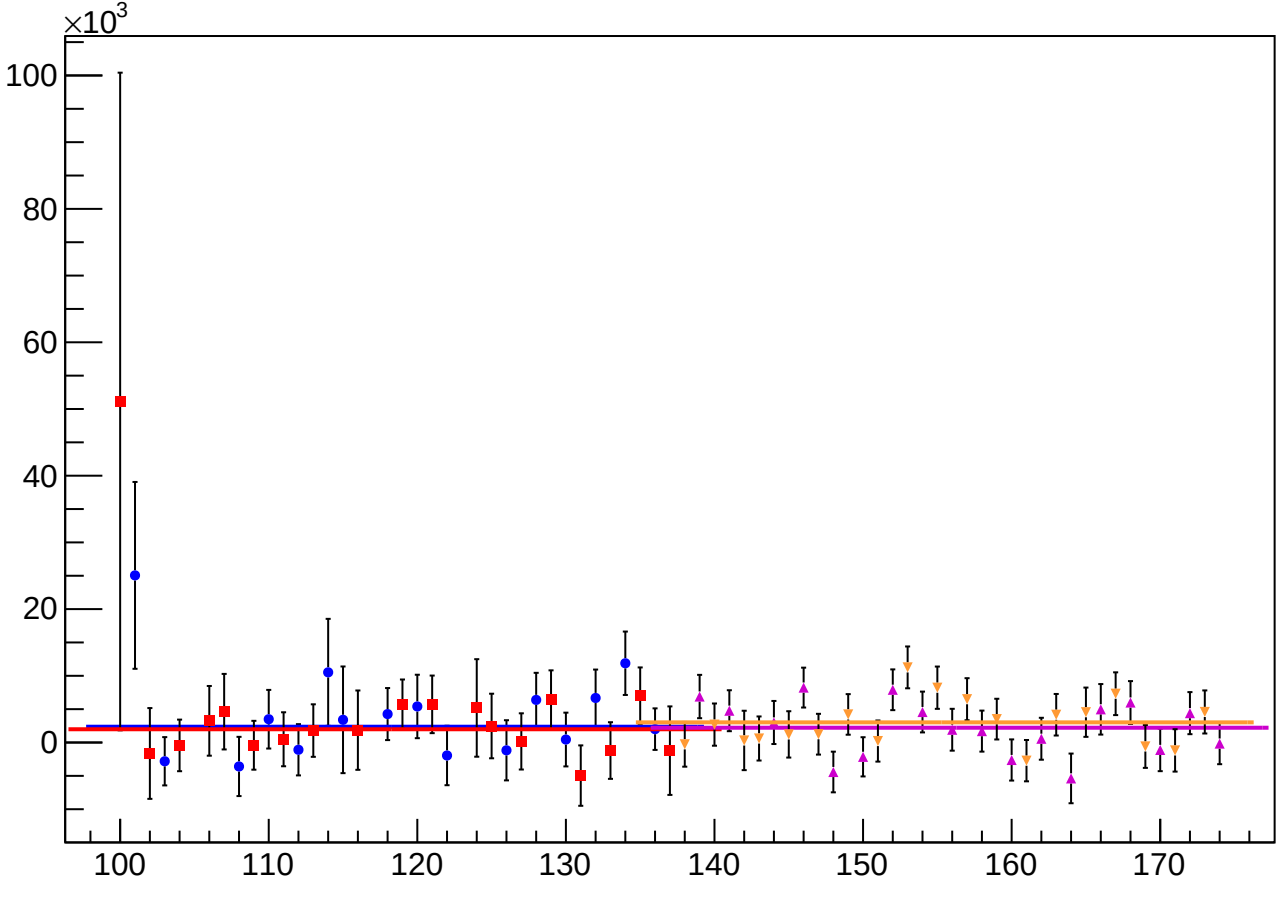
Right: 574.453+/-0.113 χ^2/NDF: 3511070.4/34

In: 707.518+/-0.111 χ^2/NDF:3650045.9/33

Out: 685.690+/-0.108 χ^2/NDF:4082791.4/37

All: 696.250+/-0.077 χ^2/NDF: 7752672.1/71

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2367.173+/-1106.203 χ^2/NDF: 16.8/15

Left Out: 3021.153+/-742.675 χ^2/NDF:23.1/18

Right Out: 1987.039+/-1075.310 χ^2/NDF: 10.3/18

Left In: 2216.083+/-744.886 χ^2/NDF:28.9/17

Left: 2619.814+/-525.930 χ^2/NDF: 52.6/36

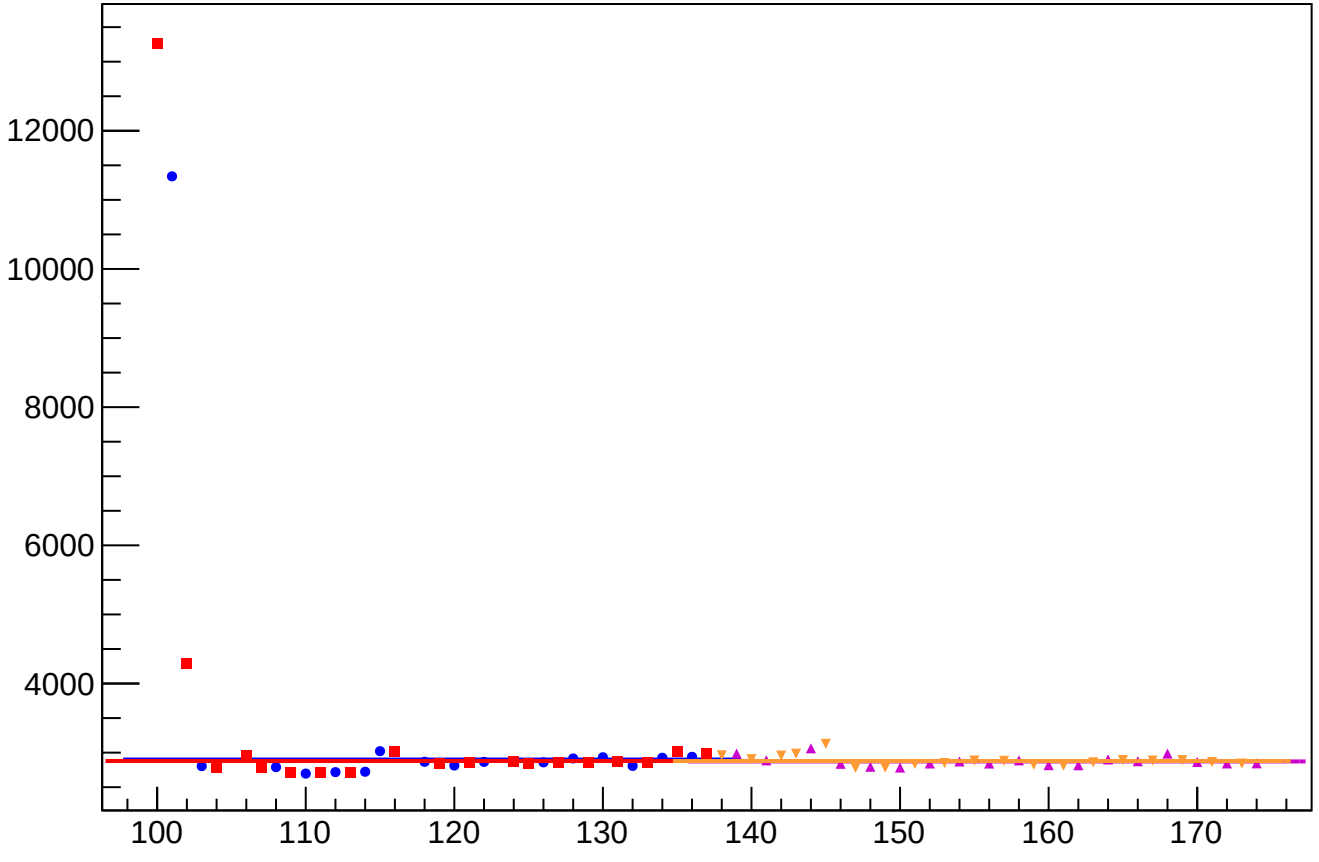
Right: 2171.724+/-771.049 χ^2/NDF: 27.2/34

In: 2263.219+/-617.864 χ^2/NDF:45.7/33

Out: 2687.178+/-611.092 χ^2/NDF:34.0/37

All: 2477.534+/-434.482 χ^2/NDF: 80.0/71

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2899.827+/-0.782 χ^2/NDF: 741818.2/15

Left Out: 2878.294+/-0.525 χ^2/NDF:20896.6/18

Right Out: 2878.957+/-0.760 χ^2/NDF: 193282.4/18

Left In: 2872.586+/-0.527 χ^2/NDF:17337.2/17

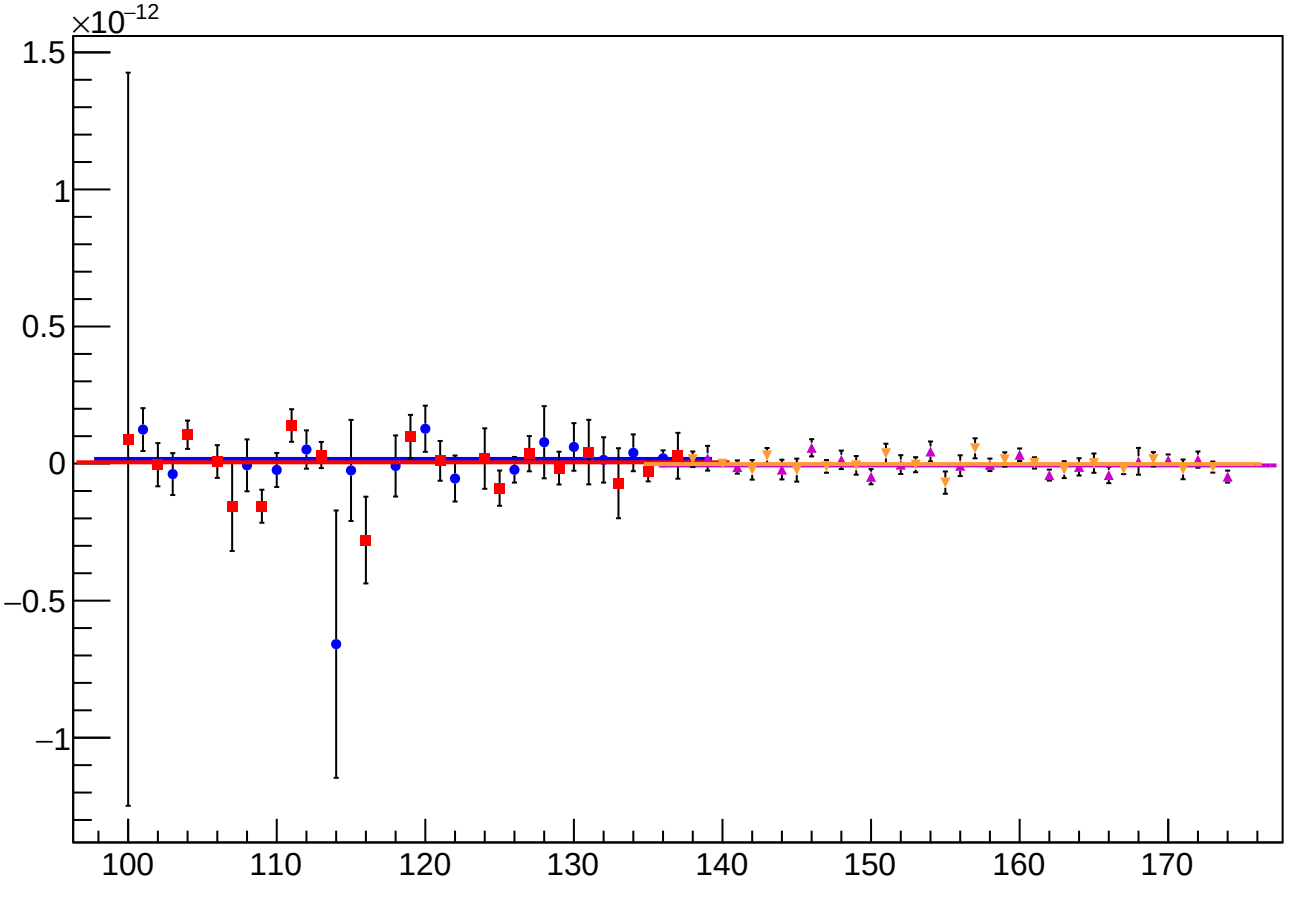
Left: 2875.448+/-0.372 χ^2/NDF: 38292.6/36

Right: 2889.097+/-0.545 χ^2/NDF: 935466.6/34

In: 2881.084+/-0.437 χ^2/NDF:759989.8/33

Out: 2878.508+/-0.432 χ^2/NDF:214179.5/37

All: 2879.782+/-0.307 χ^2/NDF: 974186.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/17

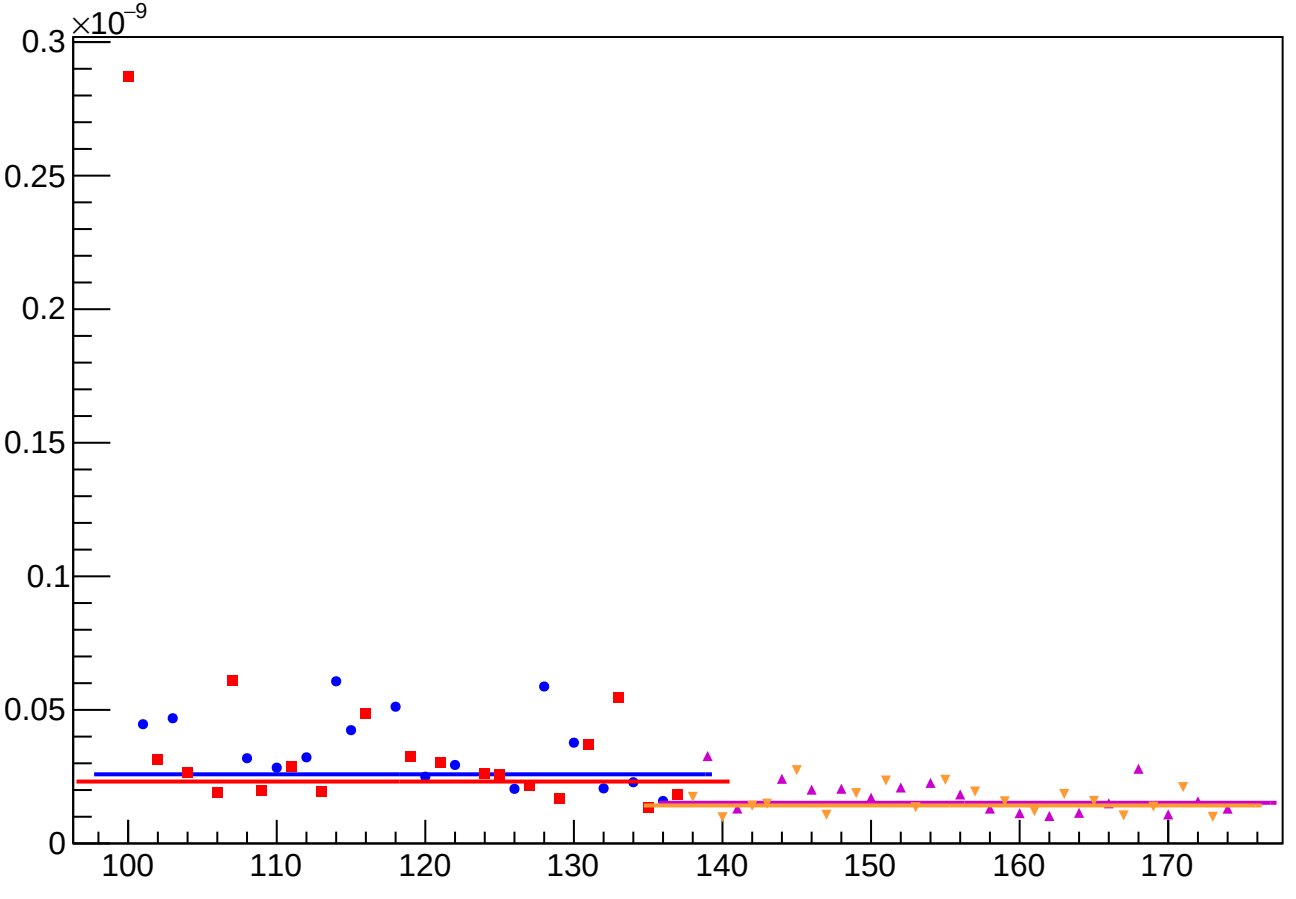
Left: -0.000+/-0.000 χ^2/NDF: 33.7/36

Right: 0.000+/-0.000 χ^2/NDF: 34.9/34

In: -0.000+/-0.000 χ^2/NDF:32.3/33

Out: -0.000+/-0.000 χ^2/NDF:37.6/37

All: -0.000+/-0.000 χ^2/NDF: 69.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 865479.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1028342.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 688853.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1172313.8/17

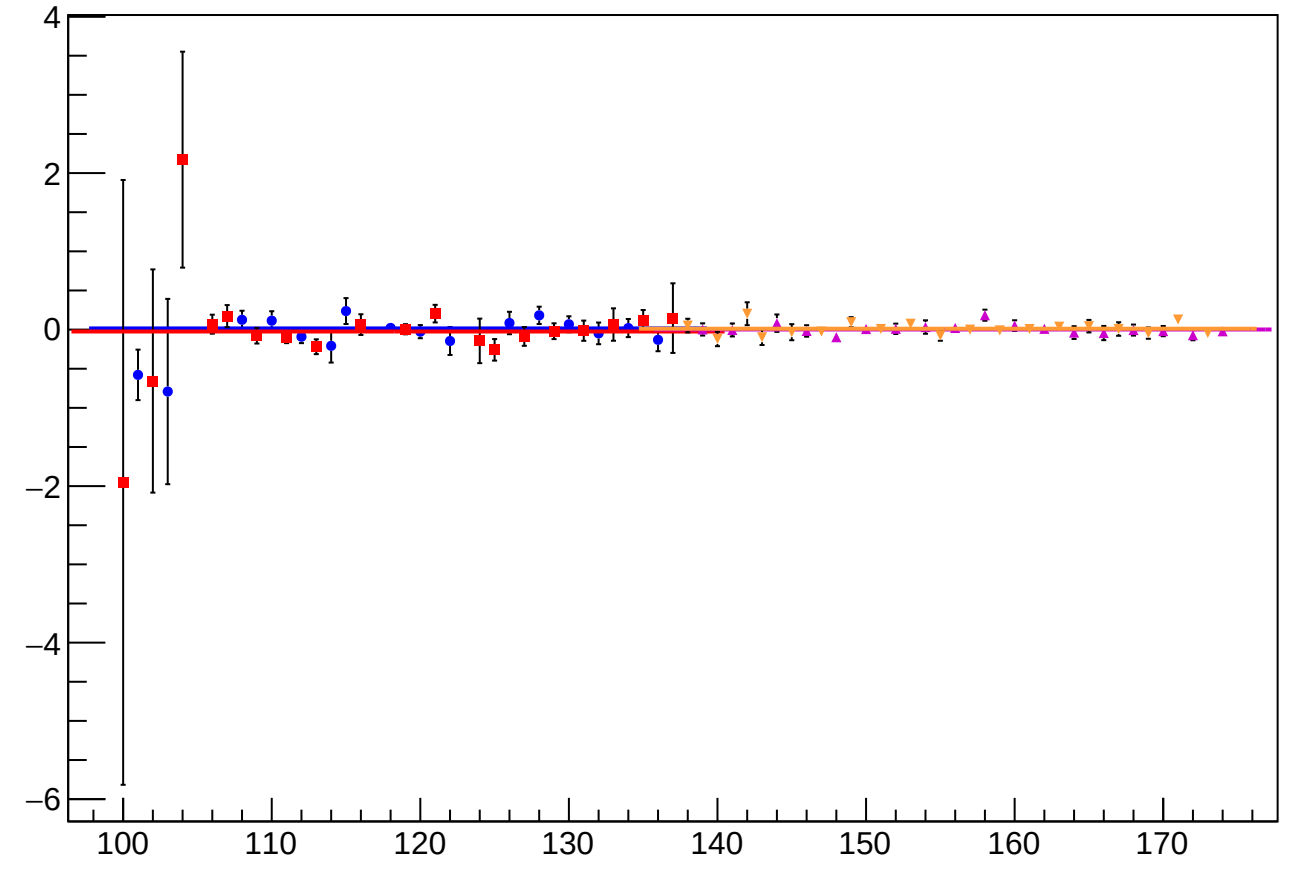
Left: 0.000+/-0.000 χ^2/NDF: 2225333.3/36

Right: 0.000+/-0.000 χ^2/NDF: 1581998.9/34

In: 0.000+/-0.000 χ^2/NDF:2729494.9/33

Out: 0.000+/-0.000 χ^2/NDF:2281169.4/37

All: 0.000+/-0.000 χ^2/NDF: 5052714.3/71



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

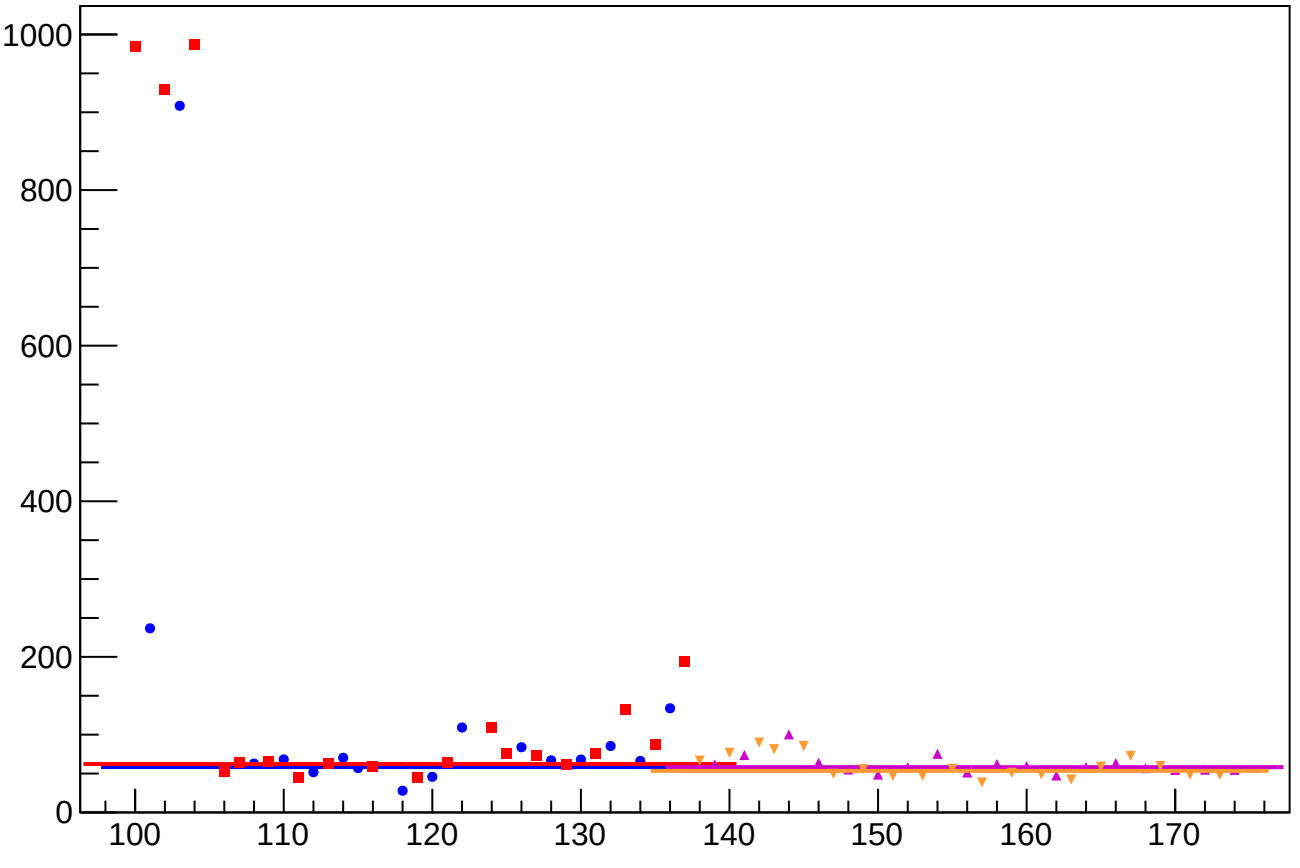
Left: 0.007+/-0.011 χ^2/NDF: 28.7/36

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.004+/-0.010 χ^2/NDF: 65.8/71



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.441+/-0.011 χ^2/NDF:1089809.9/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

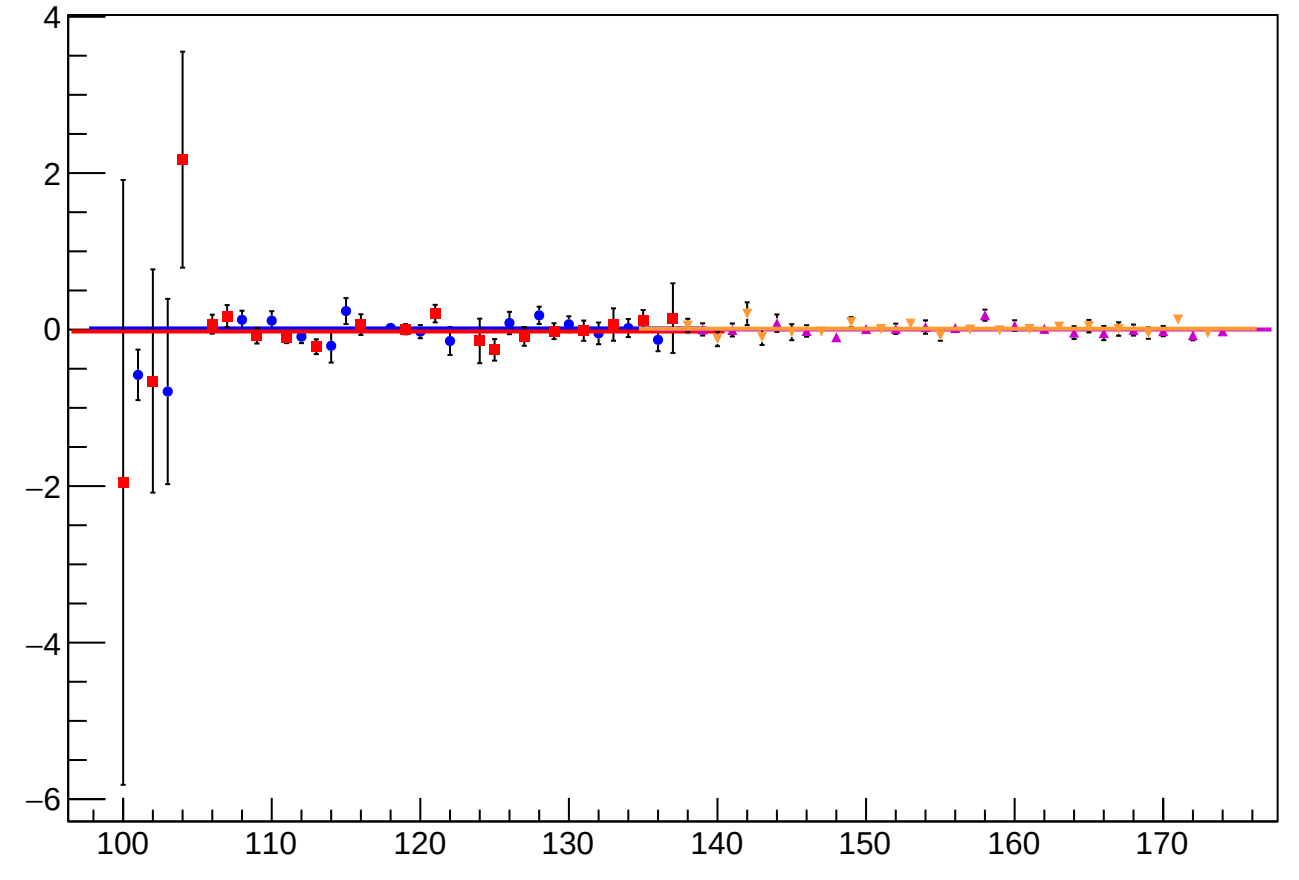
Left: 55.706+/-0.008 χ^2/NDF: 1814619.2/36

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.245+/-0.010 χ^2/NDF:3897020.0/33

Out: 55.535+/-0.010 χ^2/NDF:3866874.0/37

All: 56.839+/-0.007 χ^2/NDF: 7801689.2/71



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

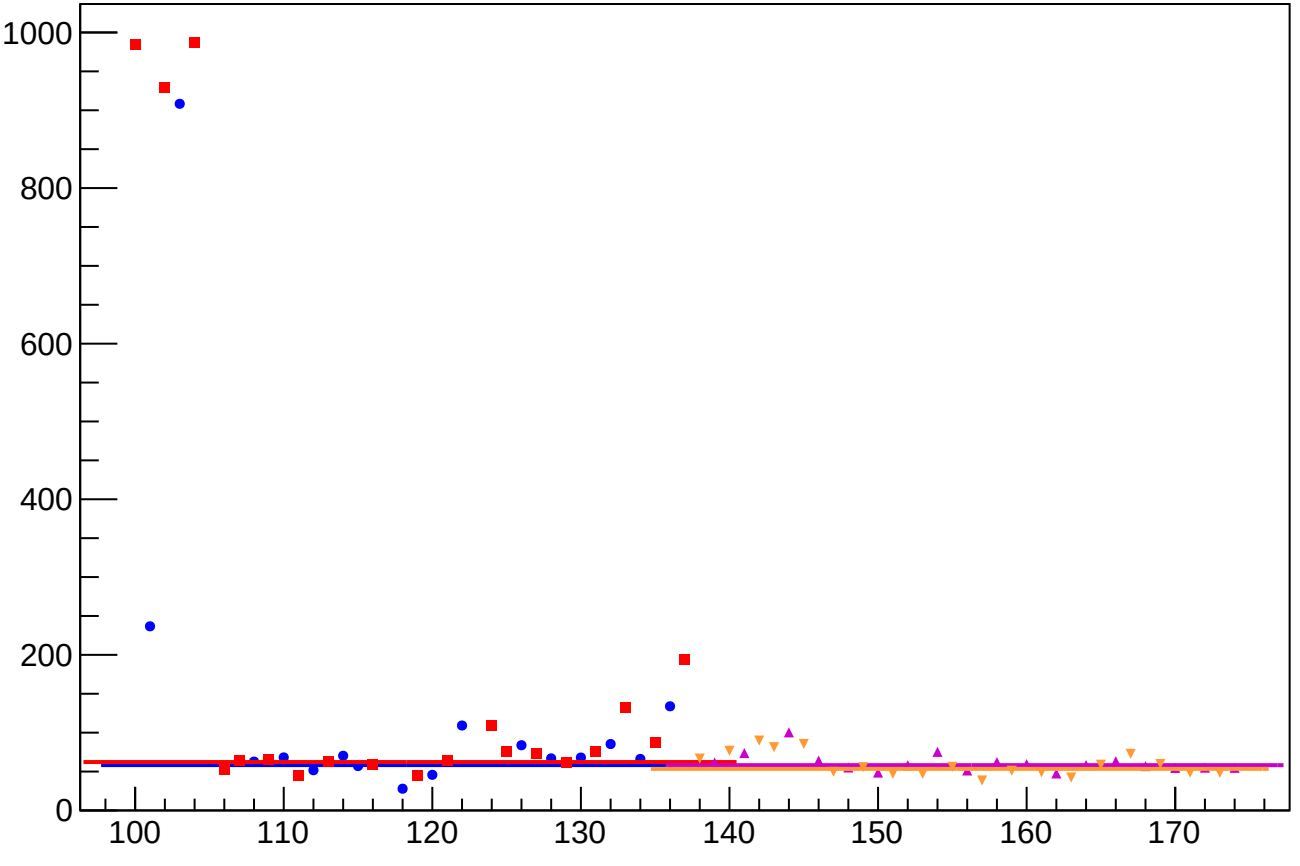
Left: 0.007+/-0.011 χ^2/NDF: 28.7/36

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.004+/-0.010 χ^2/NDF: 65.8/71



Right In: 58.313+/-0.020 χ^2/NDF: 3260404.3/15

Left Out: 53.441+/-0.011 χ^2/NDF:1089809.9/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627030.1/18

Left In: 58.221+/-0.012 χ^2/NDF:636599.7/17

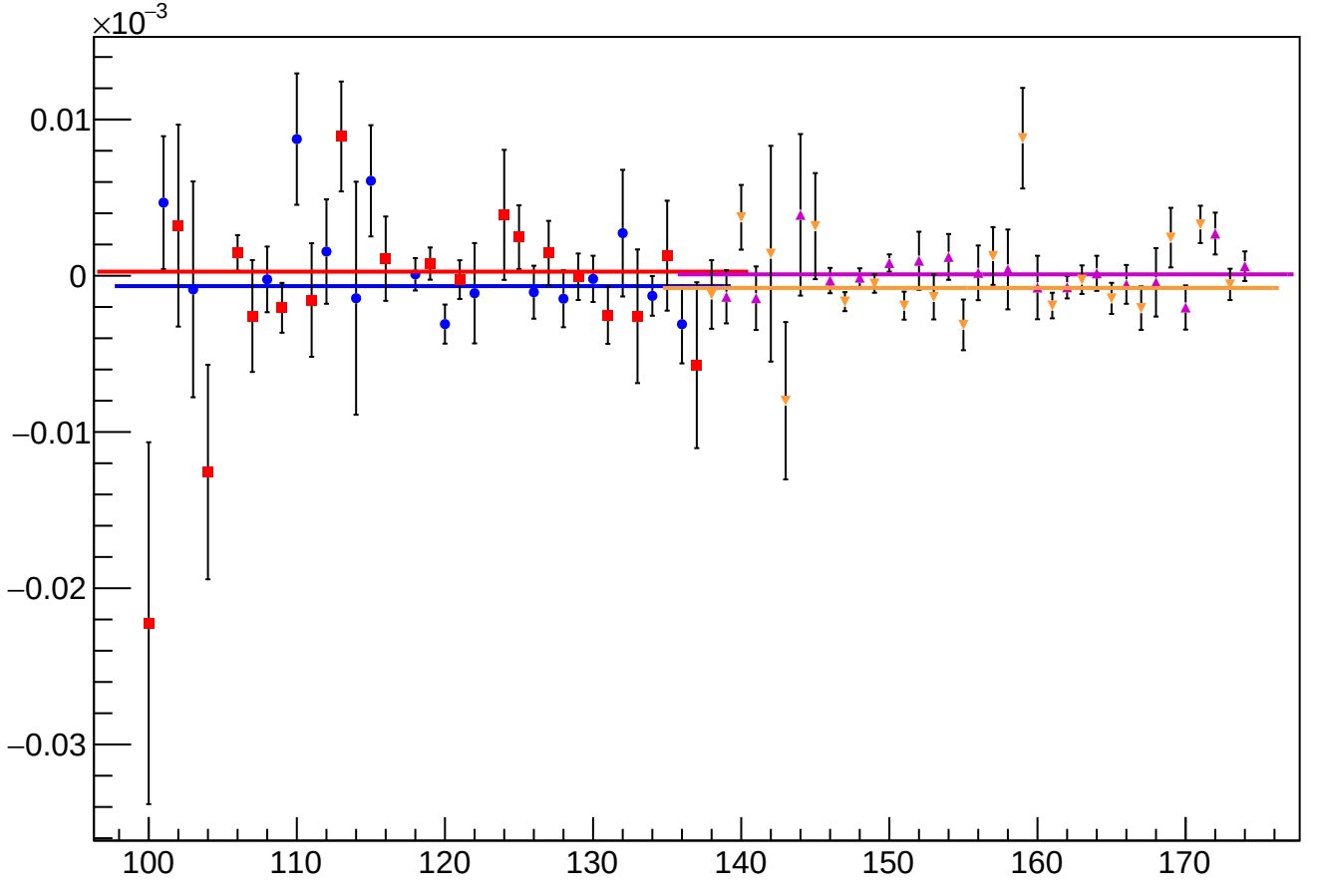
Left: 55.706+/-0.008 χ^2/NDF: 1814619.2/36

Right: 60.260+/-0.014 χ^2/NDF: 5907159.6/34

In: 58.245+/-0.010 χ^2/NDF:3897020.0/33

Out: 55.535+/-0.010 χ^2/NDF:3866874.0/37

All: 56.839+/-0.007 χ^2/NDF: 7801689.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 24.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/17

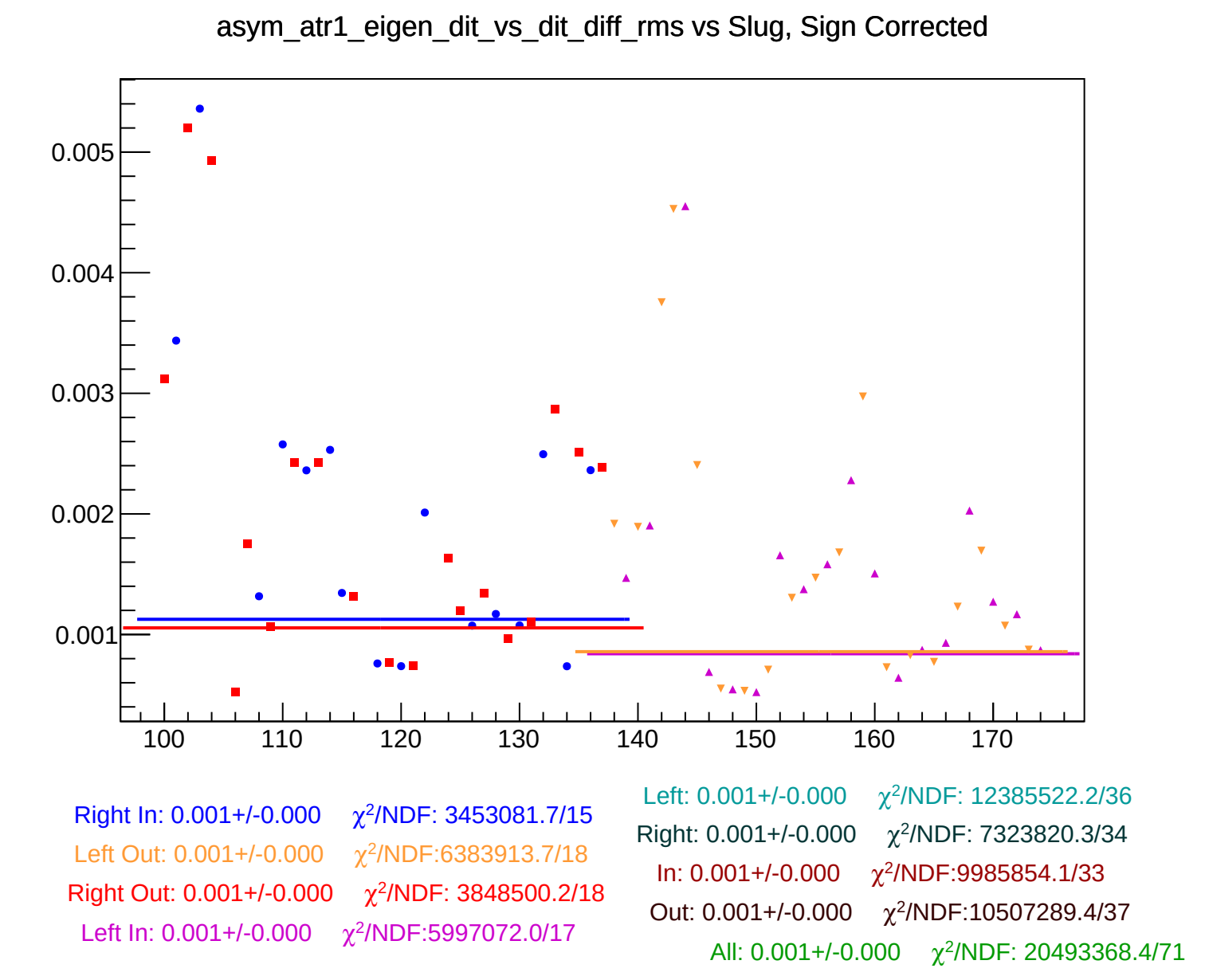
Left: -0.000+/-0.000 χ^2/NDF: 61.3/36

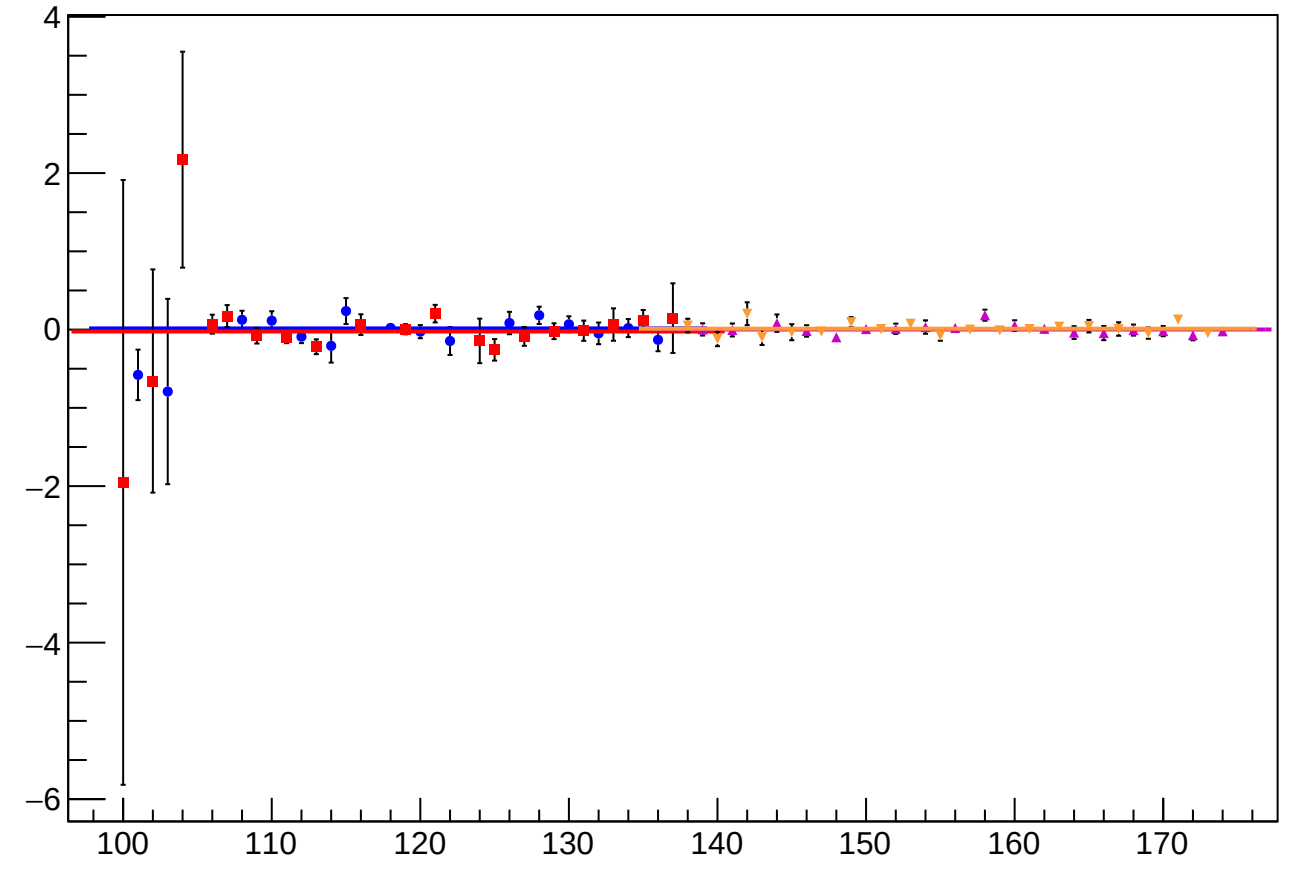
Right: -0.000+/-0.000 χ^2/NDF: 43.7/34

In: -0.000+/-0.000 χ^2/NDF:32.0/33

Out: -0.000+/-0.000 χ^2/NDF:71.1/37

All: -0.000+/-0.000 χ^2/NDF: 105.2/71


asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 3453081.7/15
Left Out: 0.001+/-0.000 χ²/NDF:6383913.7/18
Right Out: 0.001+/-0.000 χ²/NDF: 3848500.2/18
Left In: 0.001+/-0.000 χ²/NDF:5997072.0/17
Left: 0.001+/-0.000 χ²/NDF: 12385522.2/36
Right: 0.001+/-0.000 χ²/NDF: 7323820.3/34
In: 0.001+/-0.000 χ²/NDF:9985854.1/33
Out: 0.001+/-0.000 χ²/NDF:10507289.4/37
All: 0.001+/-0.000 χ²/NDF: 20493368.4/71



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

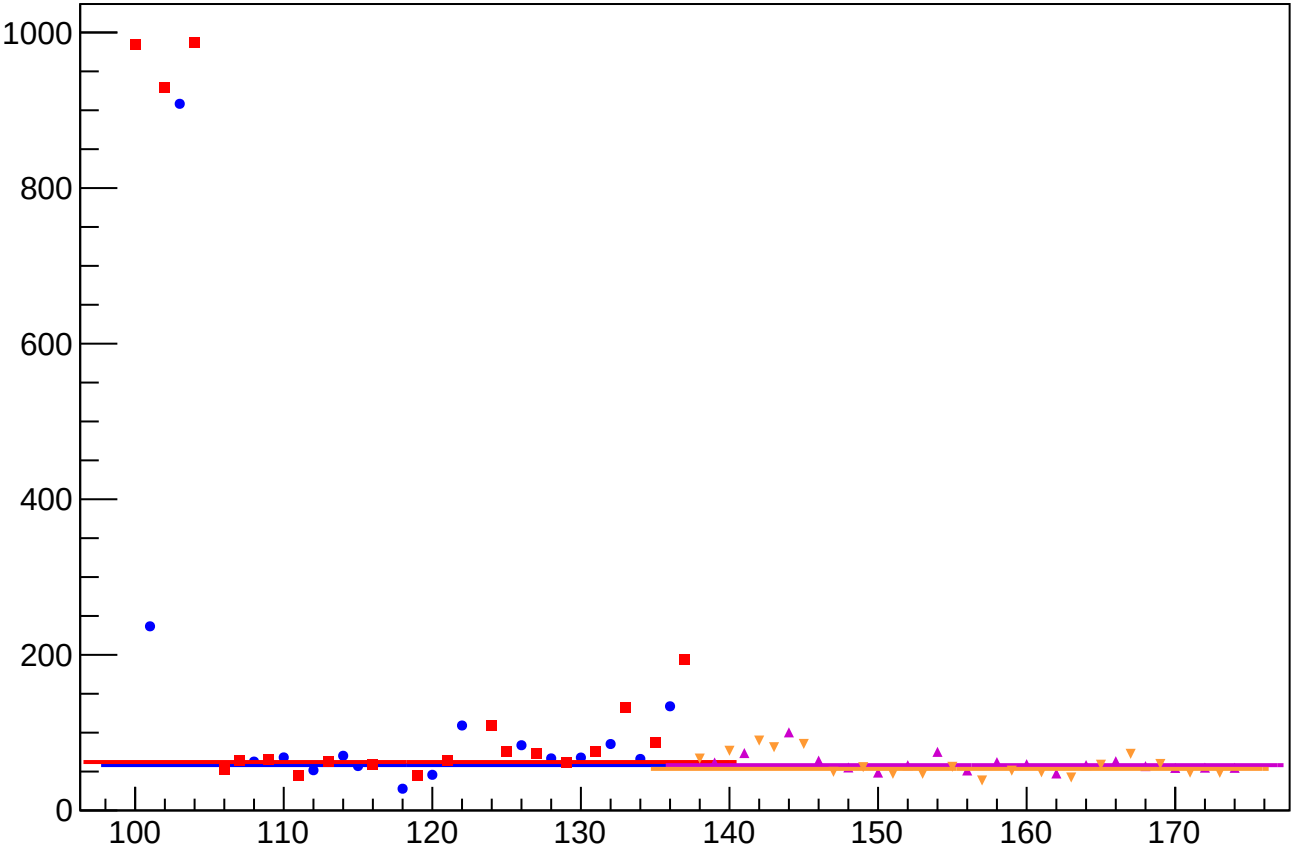
Left: 0.007+/-0.011 χ^2/NDF: 28.7/36

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.004+/-0.010 χ^2/NDF: 65.8/71



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.440+/-0.011 χ^2/NDF:1089874.5/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

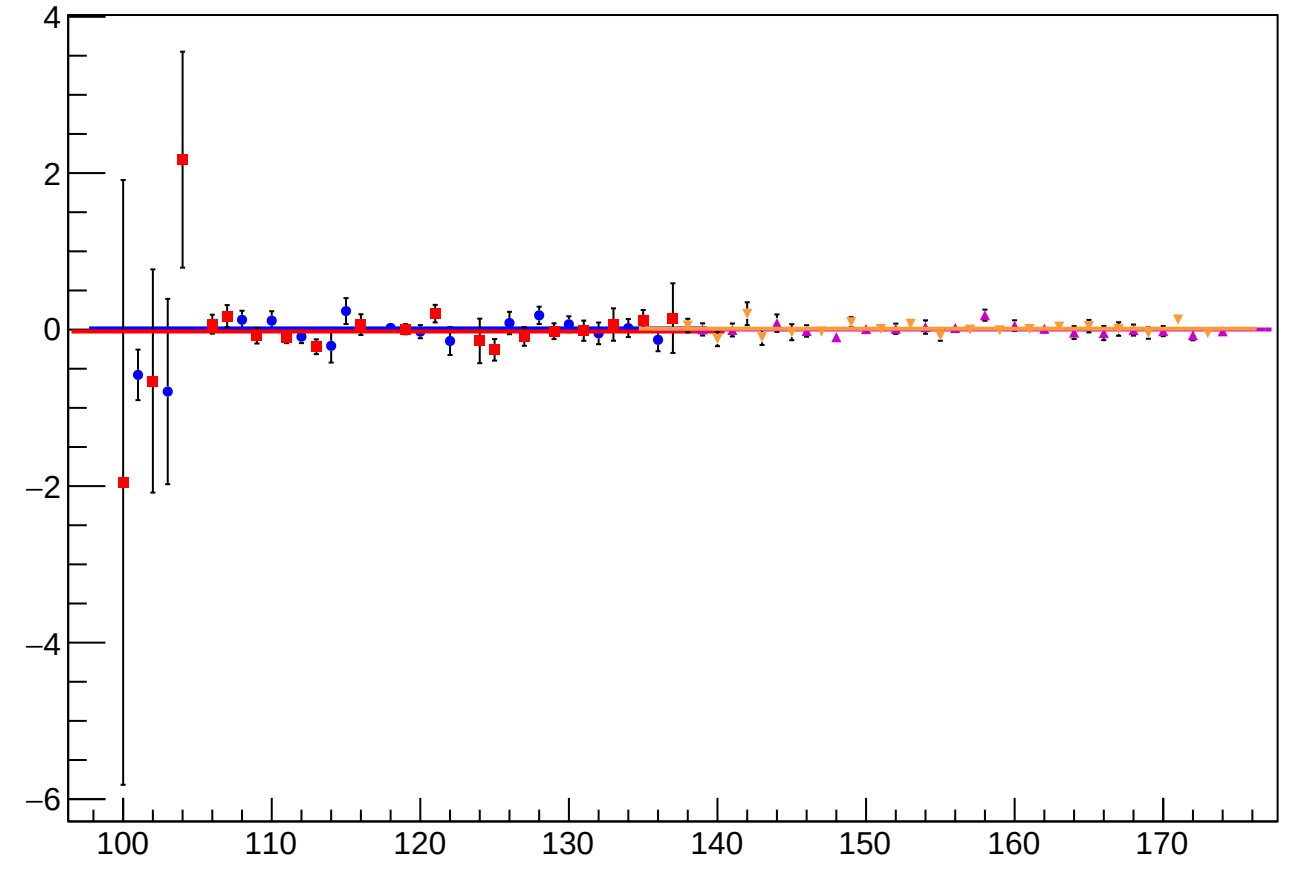
Left: 55.705+/-0.008 χ^2/NDF: 1814727.1/36

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.245+/-0.010 χ^2/NDF:3897122.4/33

Out: 55.534+/-0.010 χ^2/NDF:3866943.0/37

All: 56.838+/-0.007 χ^2/NDF: 7801867.6/71



Right In: 0.015+/-0.028 χ^2/NDF: 15.0/15

Left Out: 0.012+/-0.016 χ^2/NDF:16.1/18

Right Out: -0.024+/-0.028 χ^2/NDF: 20.8/18

Left In: 0.001+/-0.017 χ^2/NDF:12.4/17

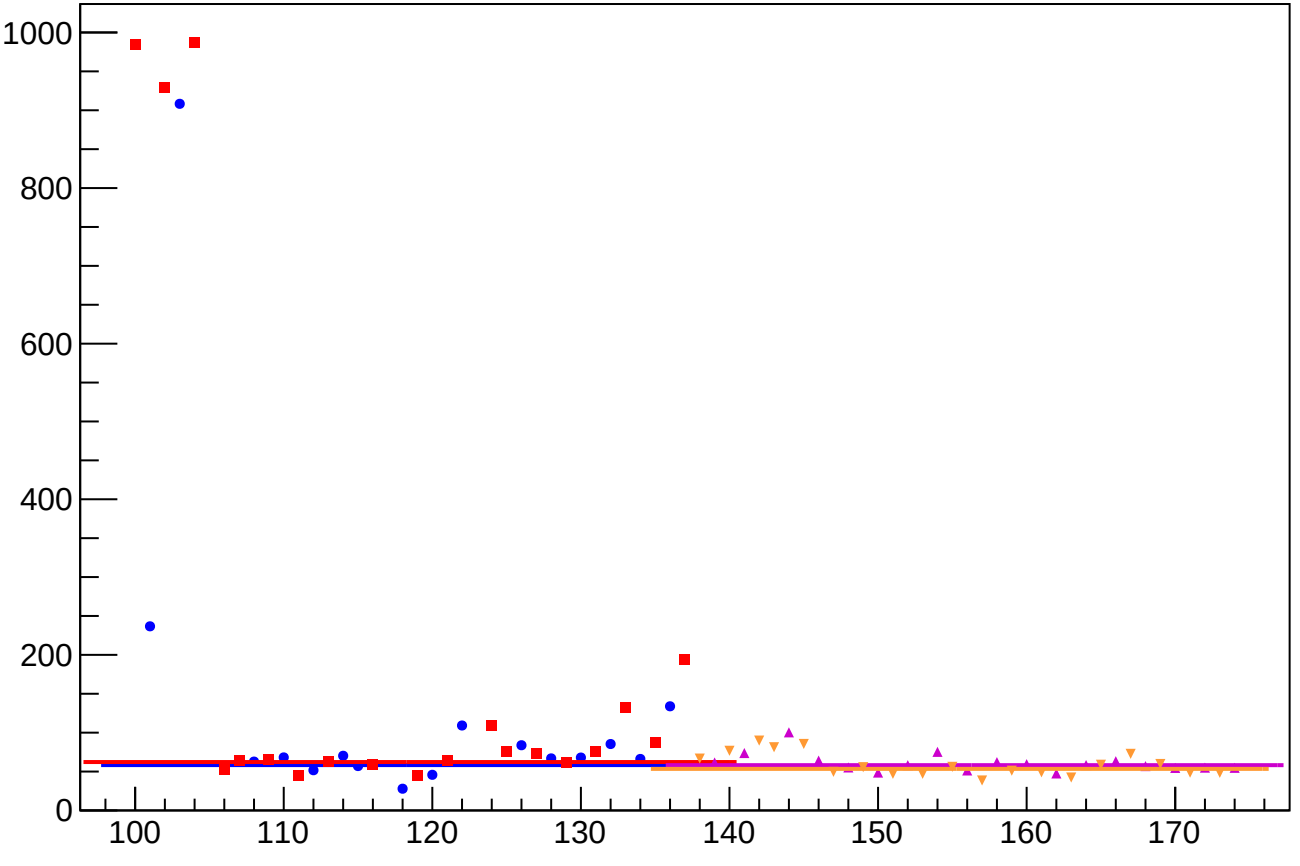
Left: 0.007+/-0.011 χ^2/NDF: 28.7/36

Right: -0.004+/-0.020 χ^2/NDF: 36.8/34

In: 0.005+/-0.014 χ^2/NDF:27.6/33

Out: 0.003+/-0.014 χ^2/NDF:38.1/37

All: 0.004+/-0.010 χ^2/NDF: 65.8/71



Right In: 58.312+/-0.020 χ^2/NDF: 3260484.2/15

Left Out: 53.440+/-0.011 χ^2/NDF:1089874.5/18

Right Out: 62.235+/-0.020 χ^2/NDF: 2627022.3/18

Left In: 58.221+/-0.012 χ^2/NDF:636622.5/17

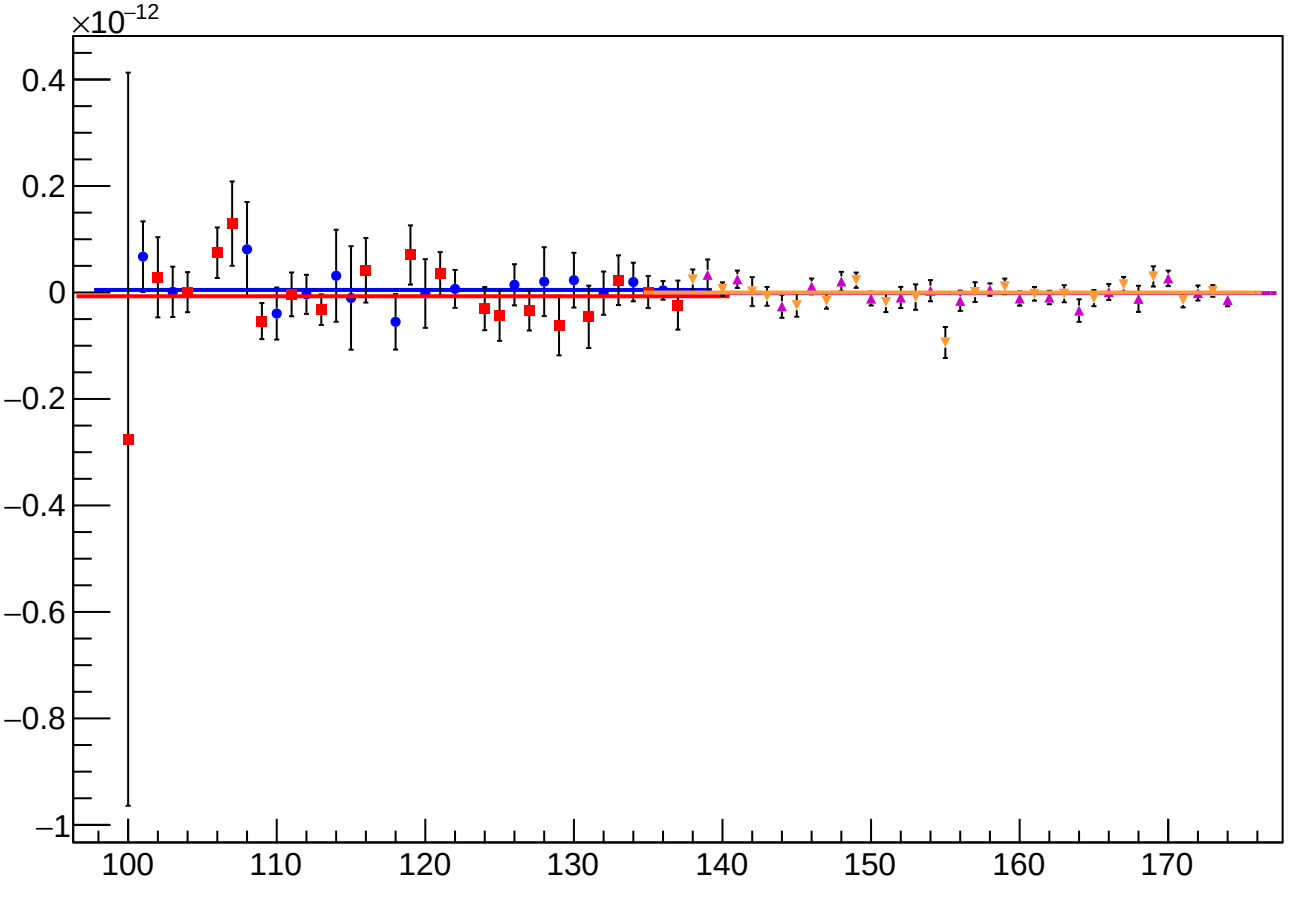
Left: 55.705+/-0.008 χ^2/NDF: 1814727.1/36

Right: 60.260+/-0.014 χ^2/NDF: 5907238.5/34

In: 58.245+/-0.010 χ^2/NDF:3897122.4/33

Out: 55.534+/-0.010 χ^2/NDF:3866943.0/37

All: 56.838+/-0.007 χ^2/NDF: 7801867.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 4.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

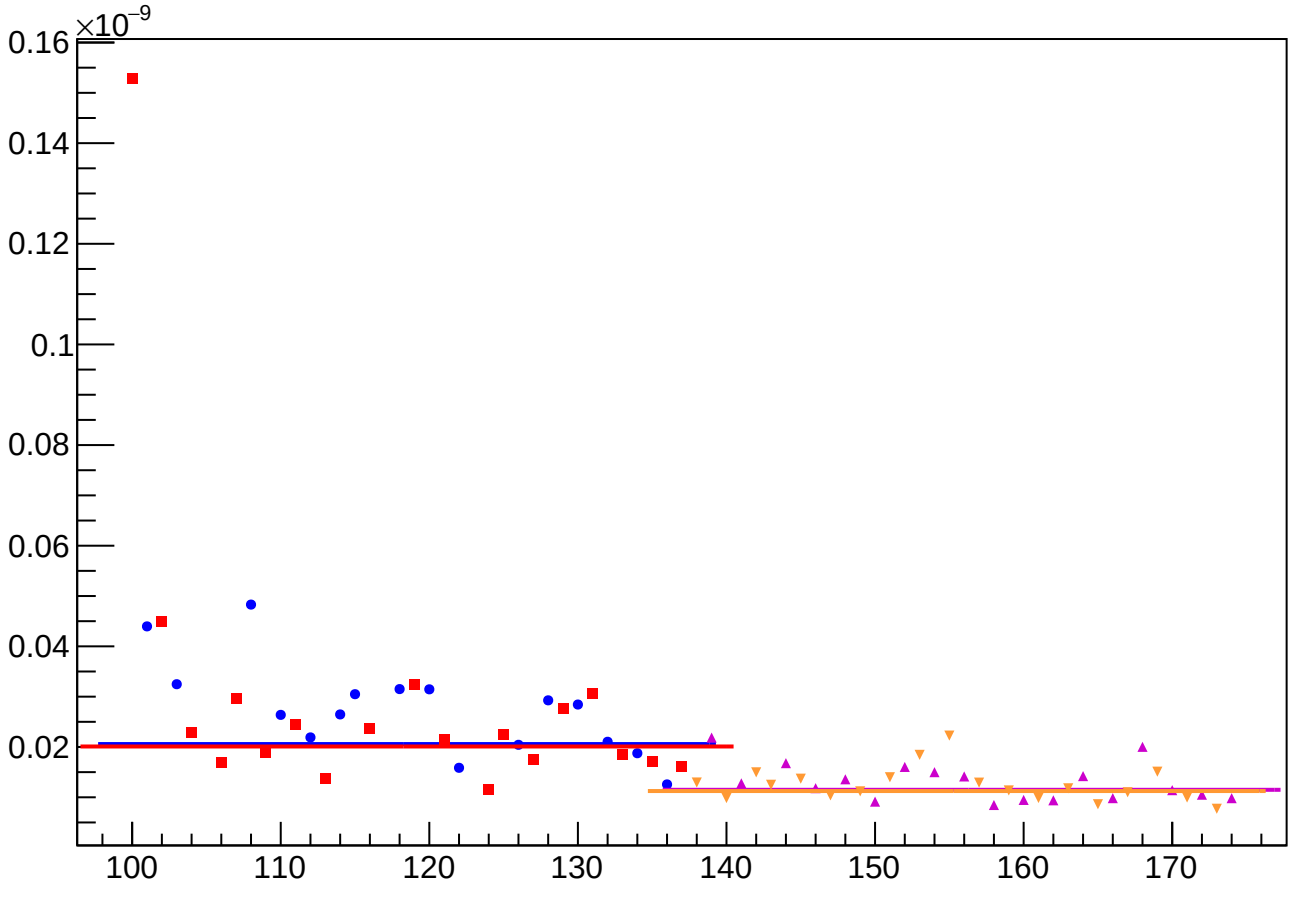
Left: -0.000+/-0.000 χ^2/NDF: 42.2/36

Right: -0.000+/-0.000 χ^2/NDF: 21.2/34

In: -0.000+/-0.000 χ^2/NDF:22.2/33

Out: -0.000+/-0.000 χ^2/NDF:41.1/37

All: -0.000+/-0.000 χ^2/NDF: 63.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 1319631.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1039509.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 812191.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1270306.5/17

Left: 0.000+/-0.000 χ^2/NDF: 2314249.7/36

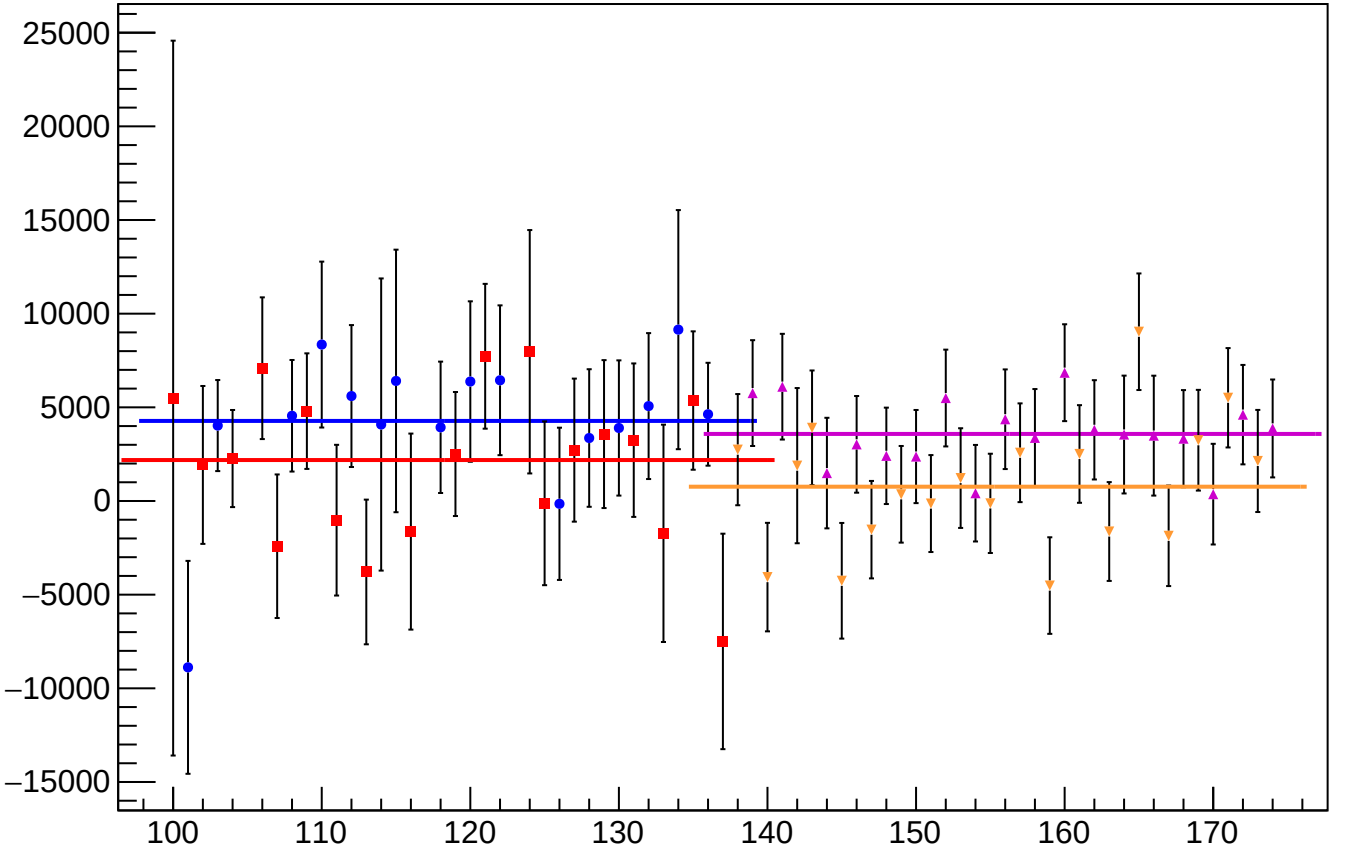
Right: 0.000+/-0.000 χ^2/NDF: 2134051.1/34

In: 0.000+/-0.000 χ^2/NDF:3979908.1/33

Out: 0.000+/-0.000 χ^2/NDF:3205699.3/37

All: 0.000+/-0.000 χ^2/NDF: 7191769.8/71

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4274.393+/-951.956 χ^2/NDF: 8.9/15

Left Out: 763.375+/-635.452 χ^2/NDF:26.3/18

Right Out: 2186.264+/-922.104 χ^2/NDF: 14.8/18

Left In: 3580.019+/-634.454 χ^2/NDF:7.7/17

Left: 2173.909+/-448.979 χ^2/NDF: 43.9/36

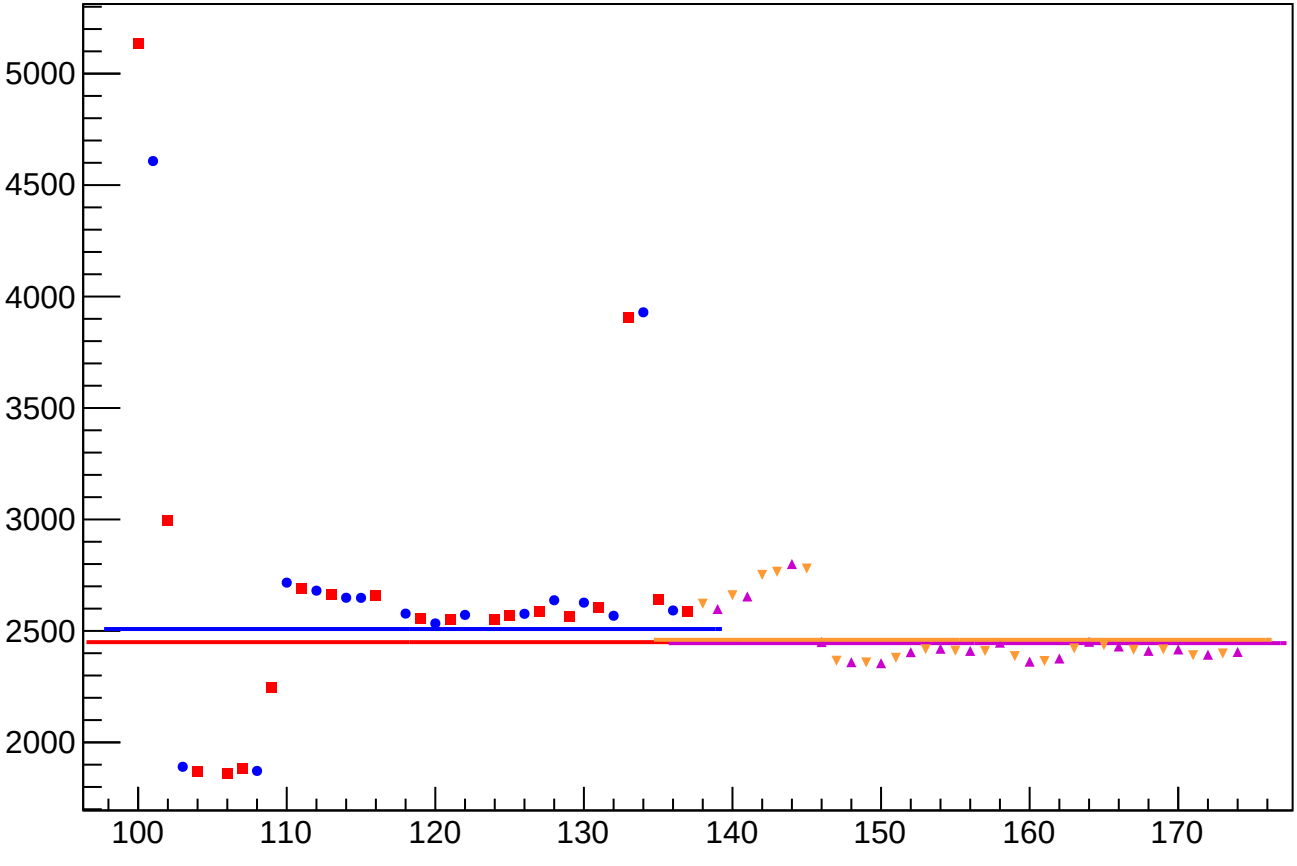
Right: 3197.075+/-662.328 χ^2/NDF: 26.2/34

In: 3793.587+/-527.945 χ^2/NDF:17.0/33

Out: 1221.530+/-523.240 χ^2/NDF:42.8/37

All: 2496.047+/-371.639 χ^2/NDF: 71.7/71

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.466+/-0.673 χ^2/NDF: 611589.6/15

Left Out: 2460.284+/-0.449 χ^2/NDF:84518.0/18

Right Out: 2449.623+/-0.652 χ^2/NDF: 436901.0/18

Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

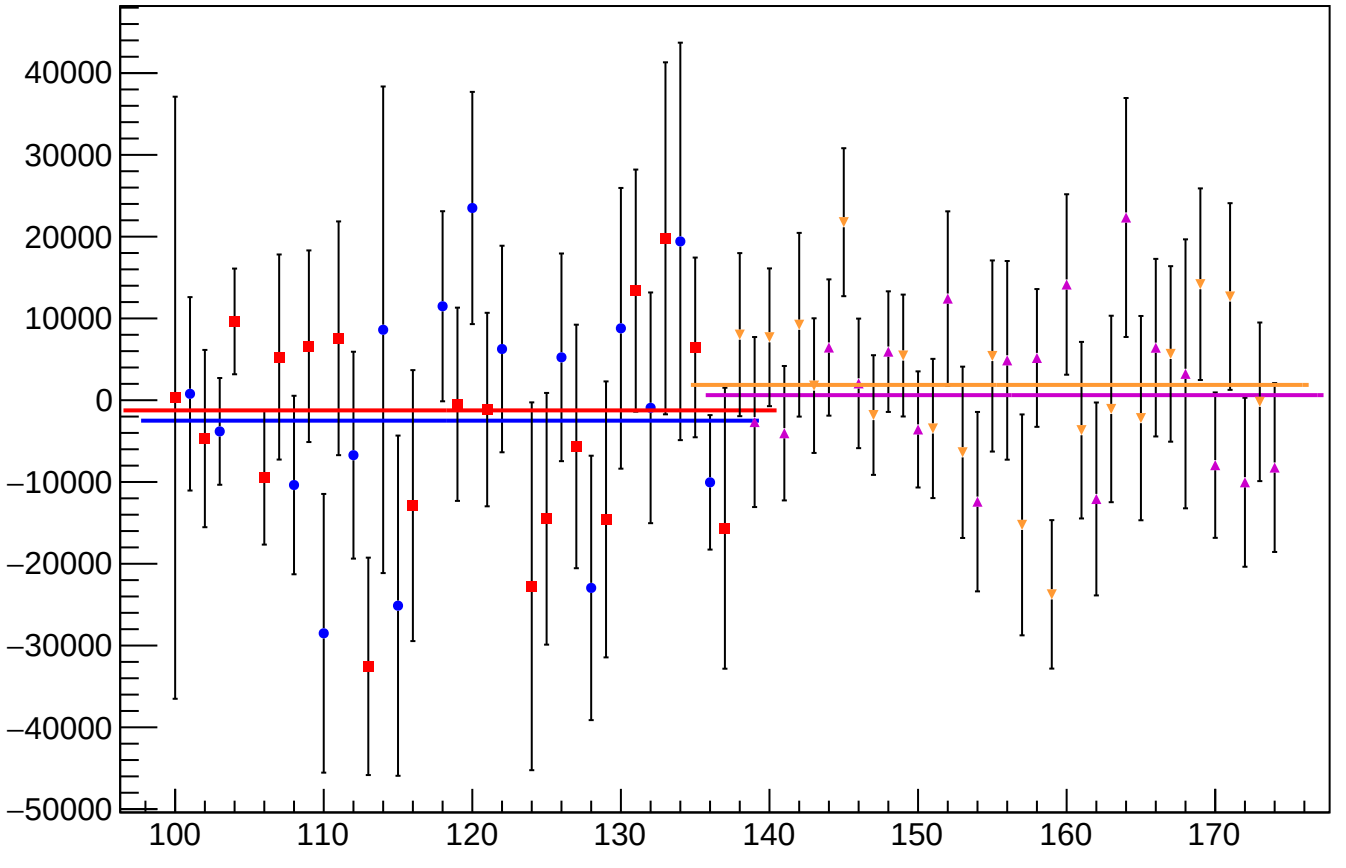
Left: 2452.723+/-0.317 χ^2/NDF: 142019.5/36

Right: 2478.107+/-0.468 χ^2/NDF: 1052433.3/34

In: 2464.650+/-0.373 χ^2/NDF:674645.1/33

Out: 2456.851+/-0.370 χ^2/NDF:521600.3/37

All: 2460.715+/-0.263 χ^2/NDF: 1196465.6/71



Right In: -2500.602+/-3075.580 χ^2/NDF: 13.8/15

Left Out: 1870.724+/-2232.995 χ^2/NDF:19.9/18

Right Out: -1244.352+/-2852.739 χ^2/NDF: 16.6/18

Left In: 620.320+/-2269.026 χ^2/NDF:12.8/17

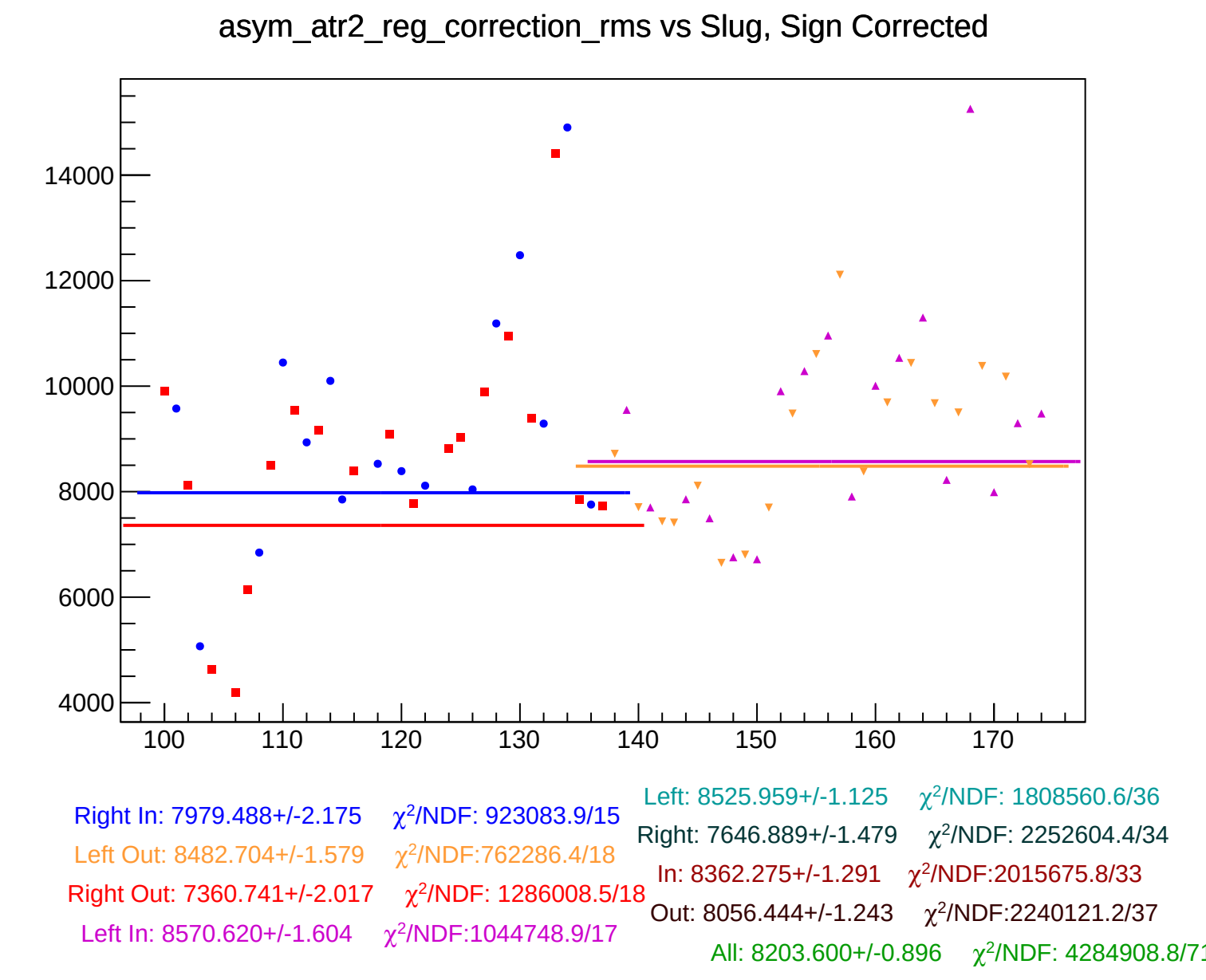
Left: 1255.528+/-1591.552 χ^2/NDF: 32.8/36

Right: -1825.322+/-2091.539 χ^2/NDF: 30.4/34

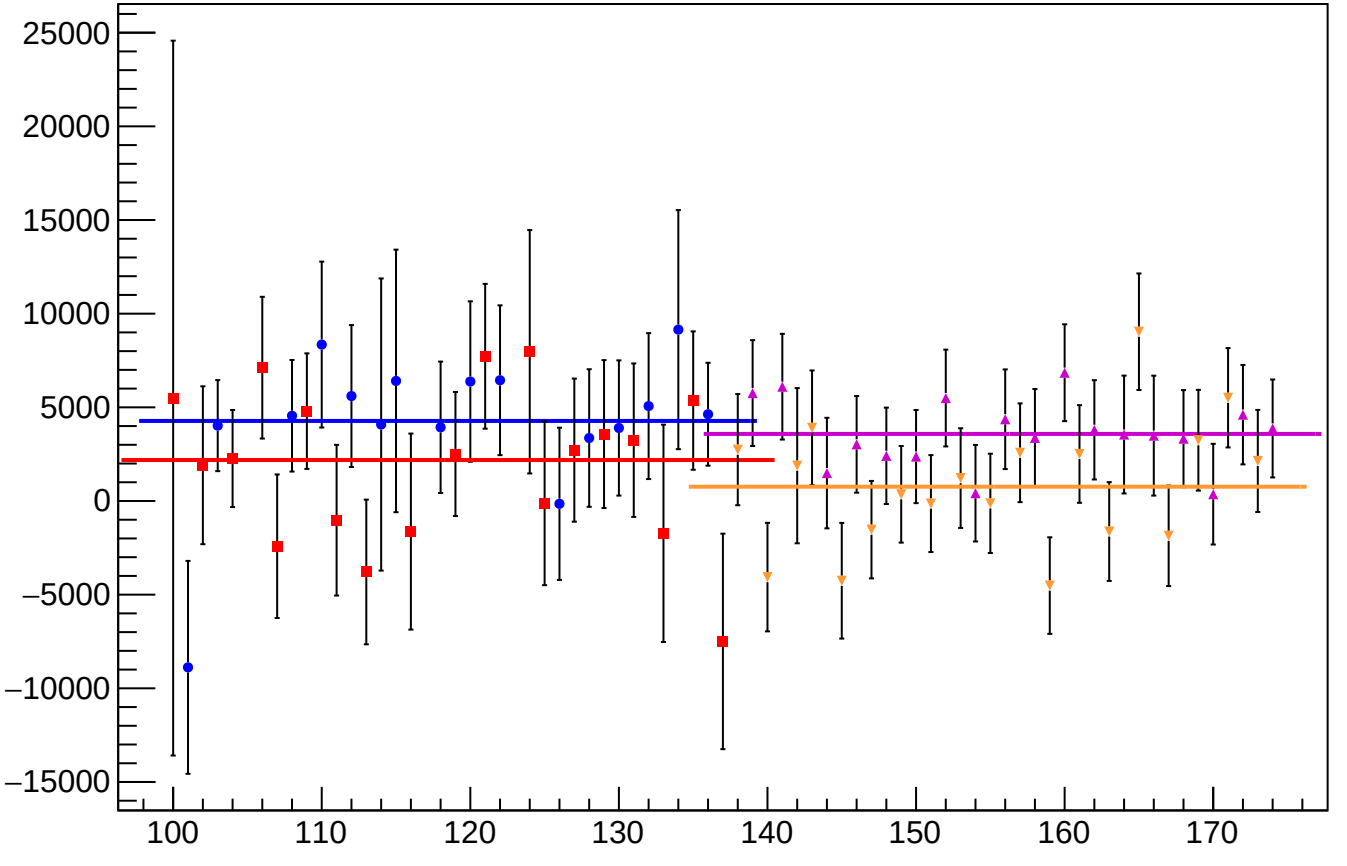
In: -479.650+/-1825.896 χ^2/NDF:27.2/33

Out: 687.232+/-1758.370 χ^2/NDF:37.2/37

All: 125.766+/-1266.555 χ^2/NDF: 64.6/71


asym_atr2_reg_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7979.488+/-2.175 χ²/NDF: 923083.9/15
Left Out: 8482.704+/-1.579 χ²/NDF:762286.4/18
Right Out: 7360.741+/-2.017 χ²/NDF: 1286008.5/18
Left In: 8570.620+/-1.604 χ²/NDF:1044748.9/17
Left: 8525.959+/-1.125 χ²/NDF: 1808560.6/36
Right: 7646.889+/-1.479 χ²/NDF: 2252604.4/34
In: 8362.275+/-1.291 χ²/NDF:2015675.8/33
Out: 8056.444+/-1.243 χ²/NDF:2240121.2/37
All: 8203.600+/-0.896 χ²/NDF: 4284908.8/71

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 763.163+/-635.452 χ^2/NDF:26.3/18

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3579.884+/-634.454 χ^2/NDF:7.7/17

Left: 2173.736+/-448.979 χ^2/NDF: 43.9/36

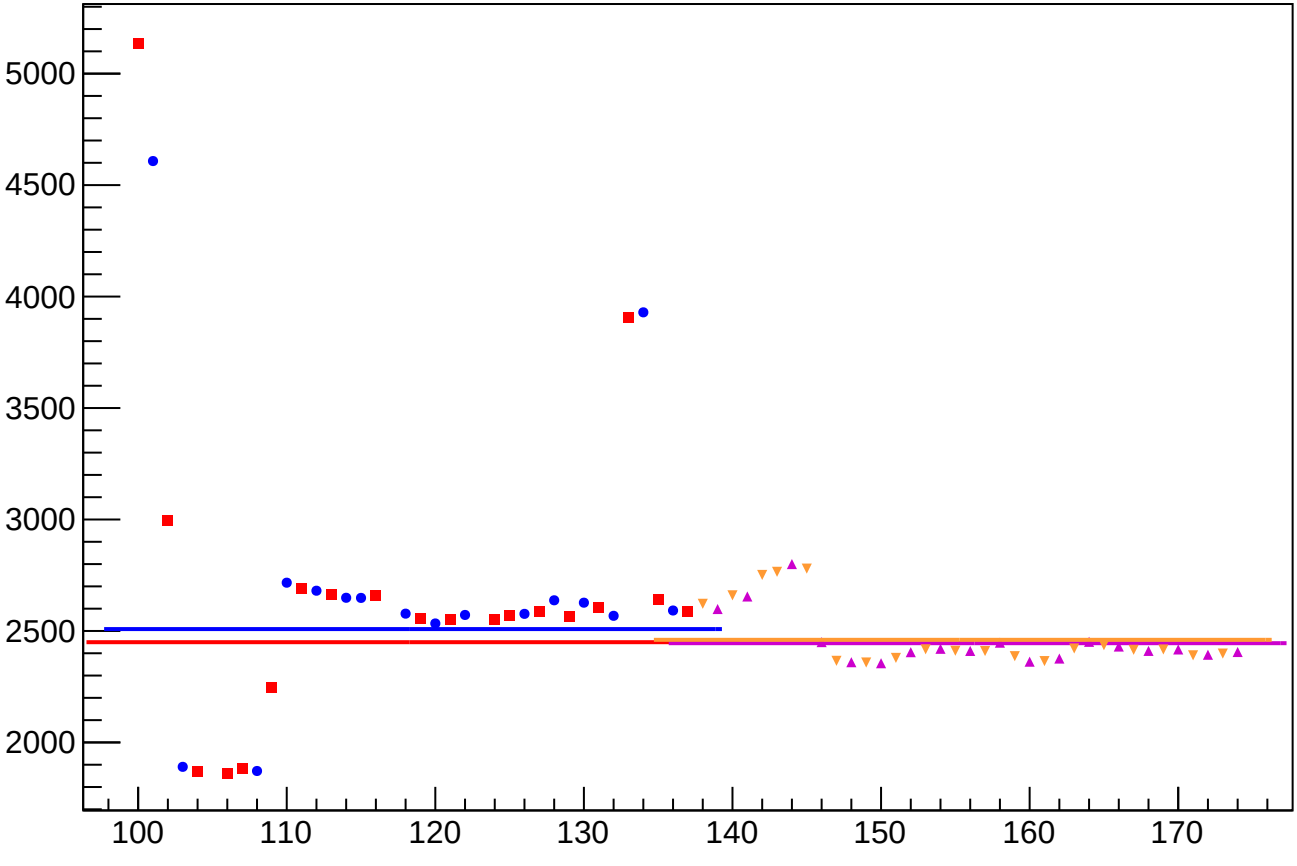
Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3793.343+/-527.945 χ^2/NDF:17.0/33

Out: 1221.582+/-523.241 χ^2/NDF:42.8/37

All: 2495.955+/-371.639 χ^2/NDF: 71.7/71

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2508.467+/-0.673 χ^2/NDF: 611587.4/15

Left Out: 2460.284+/-0.449 χ^2/NDF:84518.0/18

Right Out: 2449.647+/-0.652 χ^2/NDF: 436846.6/18

Left In: 2445.187+/-0.449 χ^2/NDF:56936.2/17

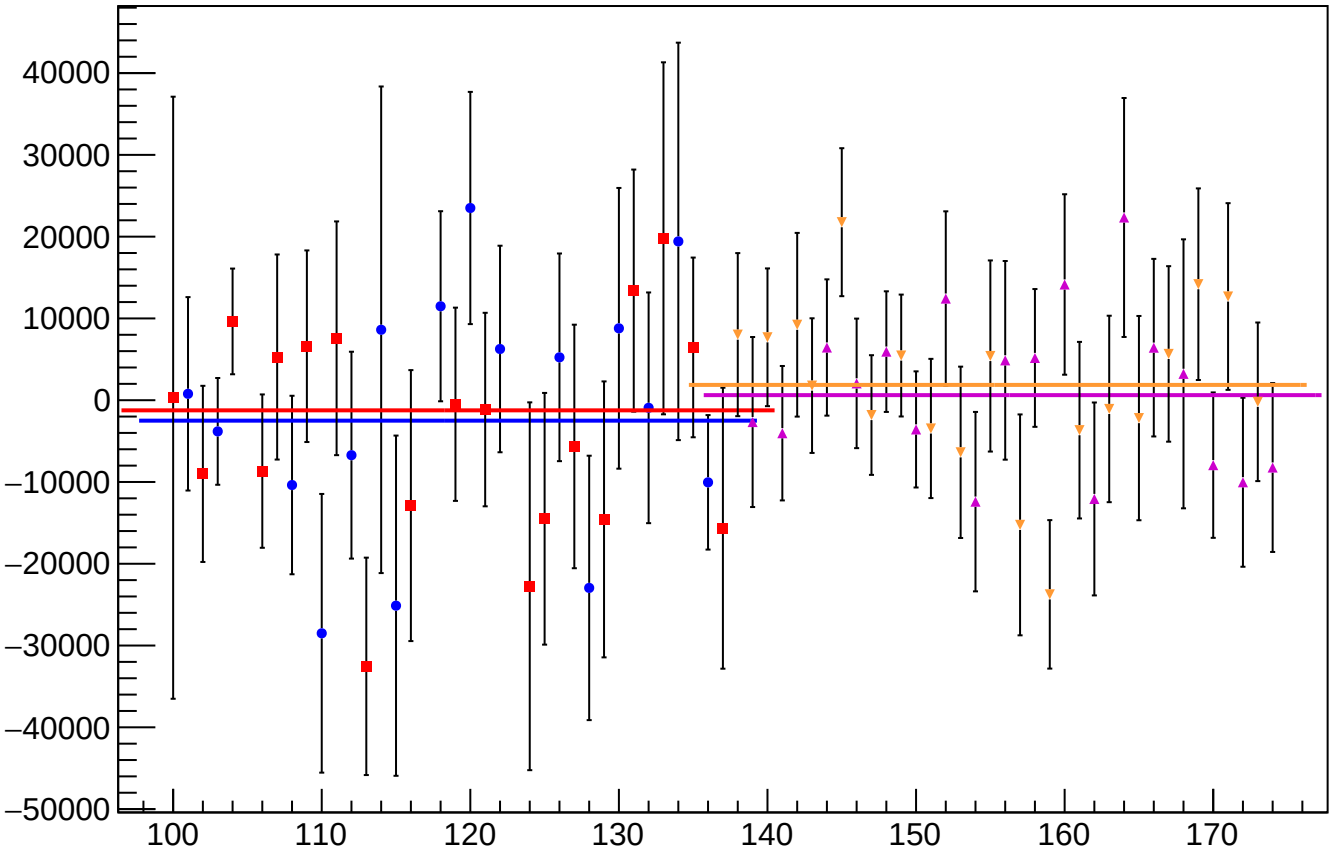
Left: 2452.723+/-0.317 χ^2/NDF: 142019.5/36

Right: 2478.121+/-0.468 χ^2/NDF: 1052373.5/34

In: 2464.650+/-0.373 χ^2/NDF:674643.1/33

Out: 2456.859+/-0.370 χ^2/NDF:521545.1/37

All: 2460.719+/-0.263 χ^2/NDF: 1196407.9/71



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1870.705+/-2232.992 χ^2/NDF:19.9/18

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 620.341+/-2269.026 χ^2/NDF:12.8/17

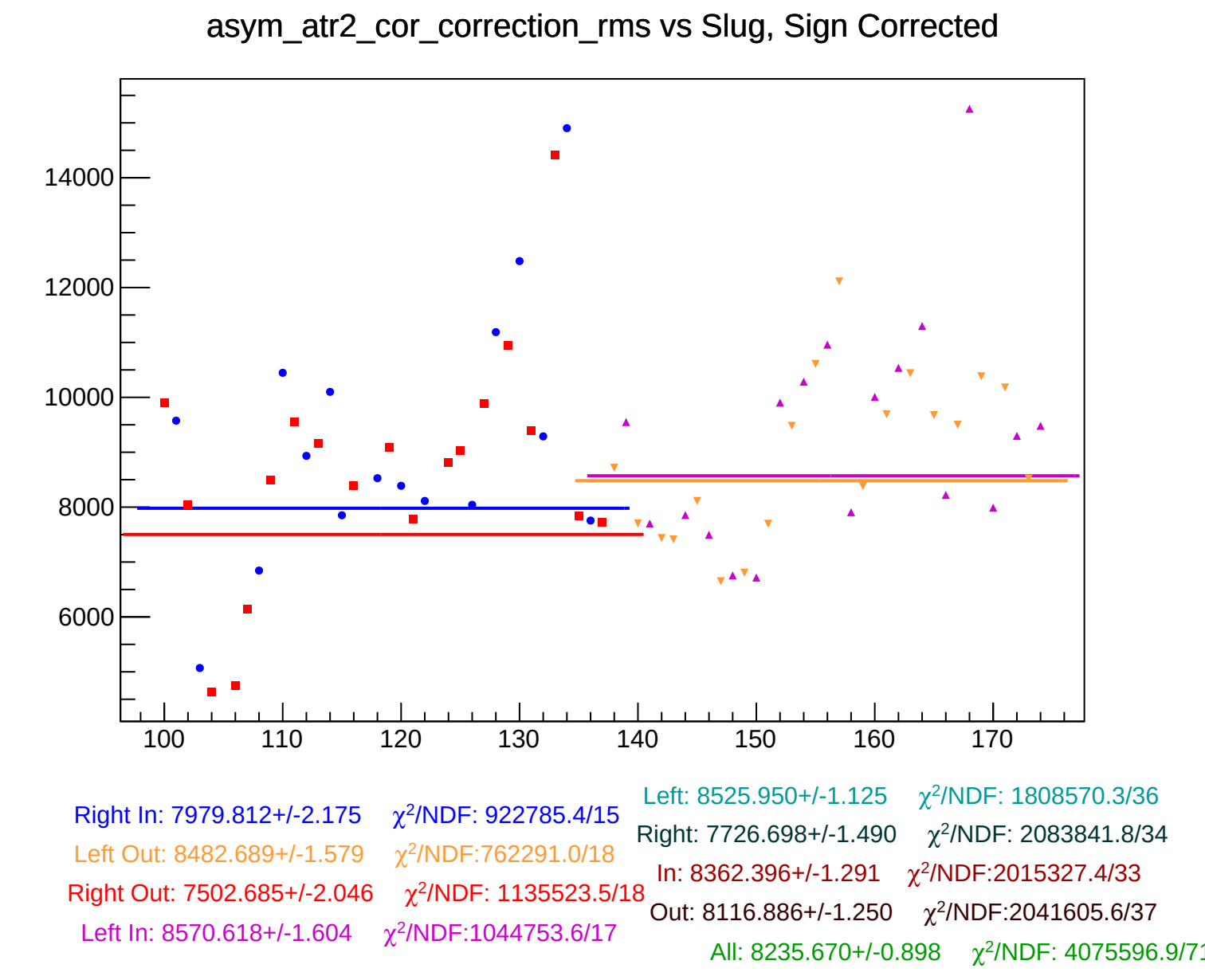
Left: 1255.530+/-1591.551 χ^2/NDF: 32.8/36

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

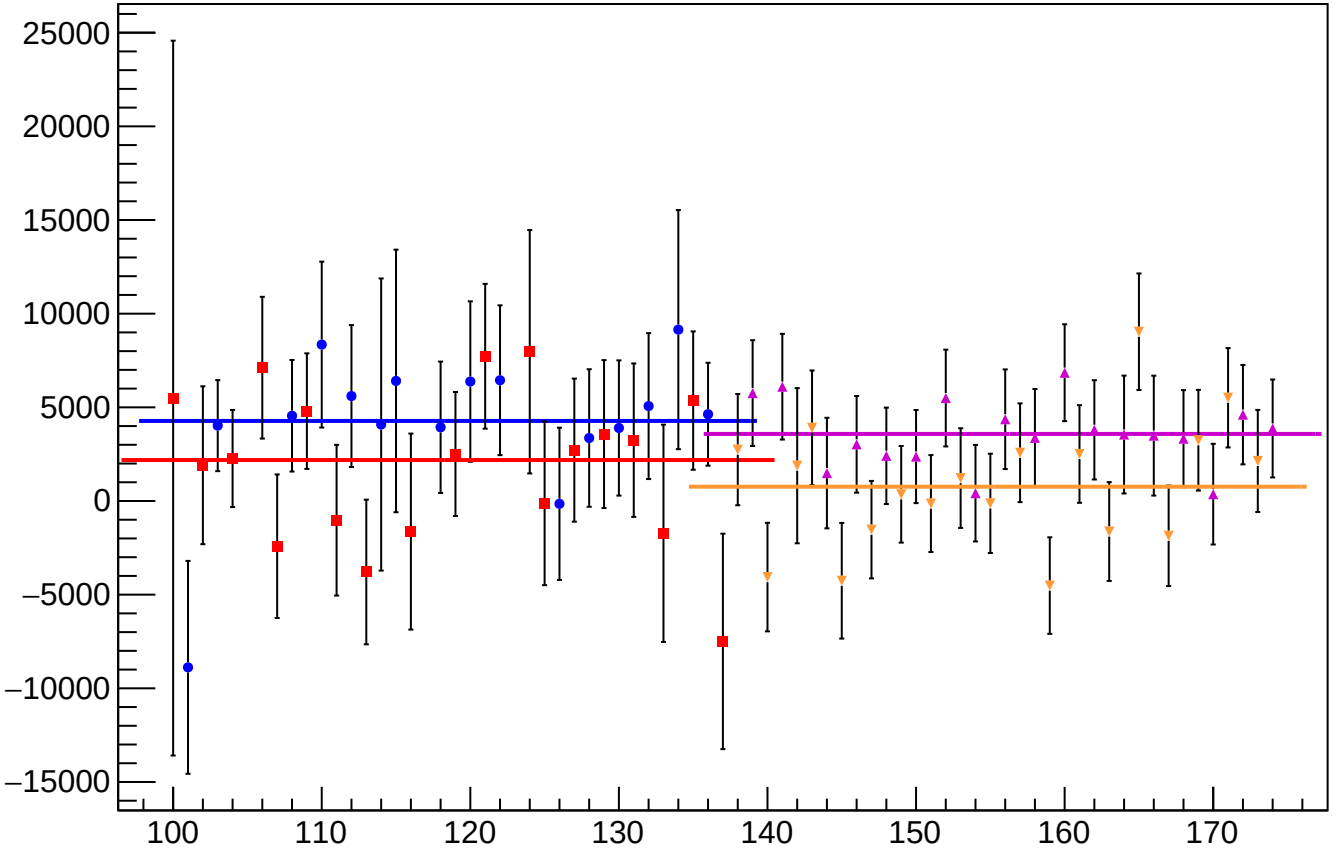
In: -479.517+/-1825.914 χ^2/NDF:27.2/33

Out: 709.619+/-1767.780 χ^2/NDF:37.2/37

All: 134.282+/-1270.064 χ^2/NDF: 64.6/71


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: 8482.689+/-1.579 χ²/NDF:762291.0/18
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8570.618+/-1.604 χ²/NDF:1044753.6/17
Left: 8525.950+/-1.125 χ²/NDF: 1808570.3/36
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8362.396+/-1.291 χ²/NDF:2015327.4/33
Out: 8116.886+/-1.250 χ²/NDF:2041605.6/37
All: 8235.670+/-0.898 χ²/NDF: 4075596.9/71

eigen_cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4273.903+/-951.956 χ^2/NDF: 8.9/15

Left Out: 763.163+/-635.452 χ^2/NDF:26.3/18

Right Out: 2186.887+/-922.111 χ^2/NDF: 14.8/18

Left In: 3579.884+/-634.454 χ^2/NDF:7.7/17

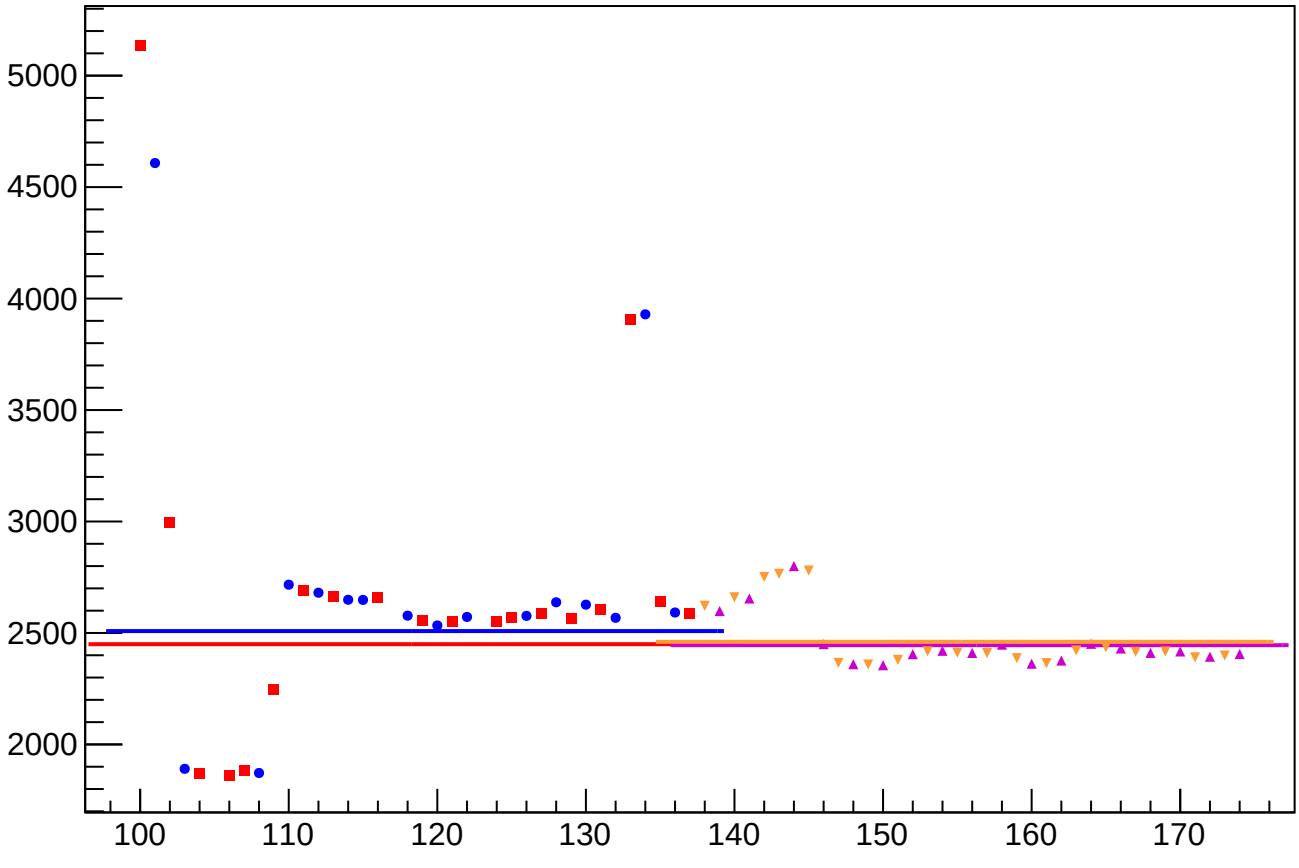
Left: 2173.736+/-448.979 χ^2/NDF: 43.9/36

Right: 3197.167+/-662.331 χ^2/NDF: 26.2/34

In: 3793.343+/-527.945 χ^2/NDF:17.0/33

Out: 1221.582+/-523.241 χ^2/NDF:42.8/37

All: 2495.955+/-371.639 χ^2/NDF: 71.7/71


eigen_cor_asym_atr2_rms vs Slug, Sign Corrected
5000
4500
4000
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3000
2500
2000
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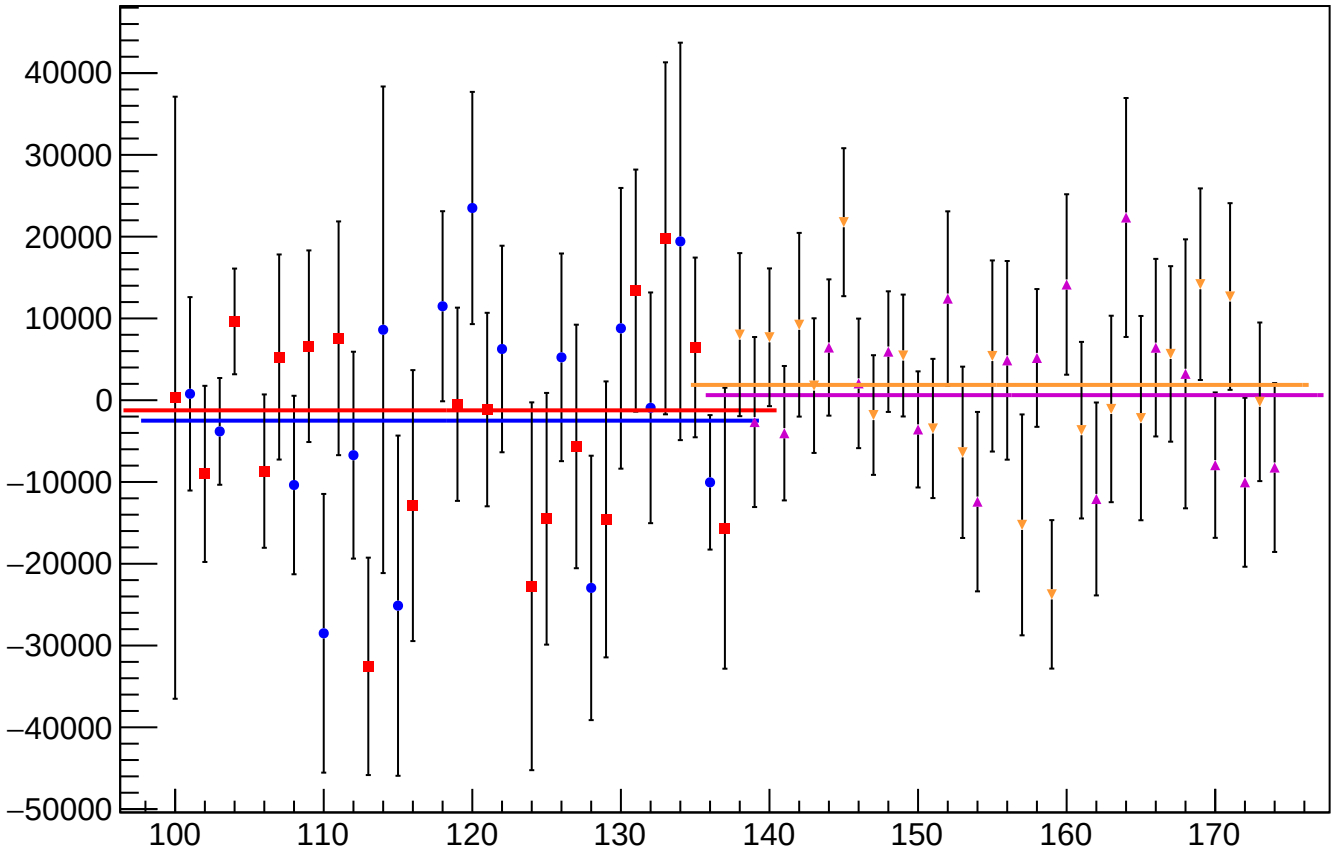
140
150
160
170
Right In: 2508.467+/-0.673 χ²/NDF: 611587.4/15
Left Out: 2460.284+/-0.449 χ²/NDF:84518.0/18
Right Out: 2449.647+/-0.652 χ²/NDF: 436846.6/18
Left In: 2445.187+/-0.449 χ²/NDF:56936.2/17
Left: 2452.723+/-0.317 χ²/NDF: 142019.5/36
Right: 2478.121+/-0.468 χ²/NDF: 1052373.5/34
In: 2464.650+/-0.373 χ²/NDF:674643.1/33
Out: 2456.859+/-0.370 χ²/NDF:521545.1/37
All: 2460.719+/-0.263 χ²/NDF: 1196407.9/71



Right In: -2500.380+/-3075.668 χ^2/NDF: 13.8/15

Left Out: 1870.705+/-2232.992 χ^2/NDF:19.9/18

Right Out: -1239.896+/-2893.464 χ^2/NDF: 16.6/18

Left In: 620.341+/-2269.026 χ^2/NDF:12.8/17

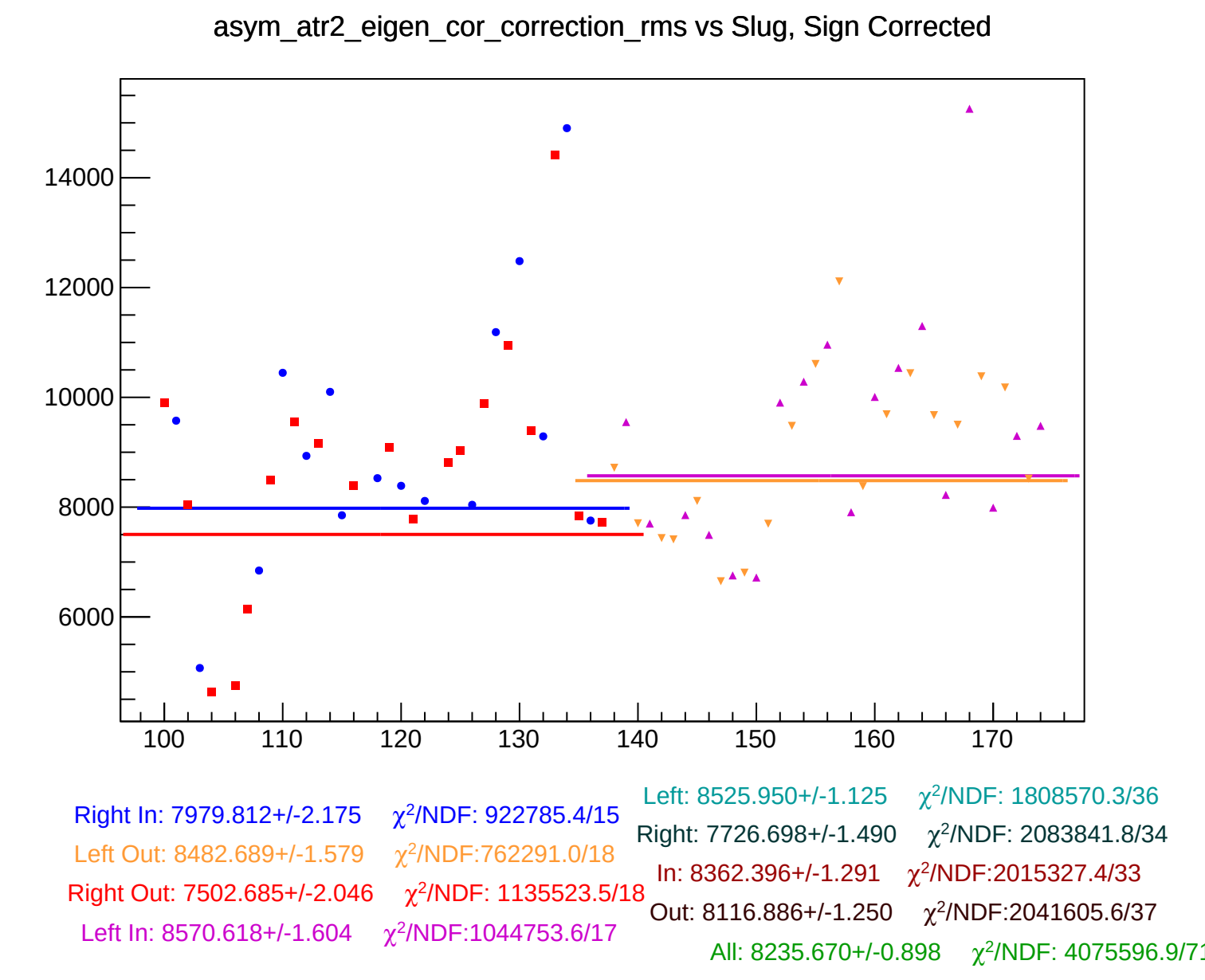
Left: 1255.530+/-1591.551 χ^2/NDF: 32.8/36

Right: -1831.698+/-2107.459 χ^2/NDF: 30.5/34

In: -479.517+/-1825.914 χ^2/NDF:27.2/33

Out: 709.619+/-1767.780 χ^2/NDF:37.2/37

All: 134.282+/-1270.064 χ^2/NDF: 64.6/71


asym_atr2_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
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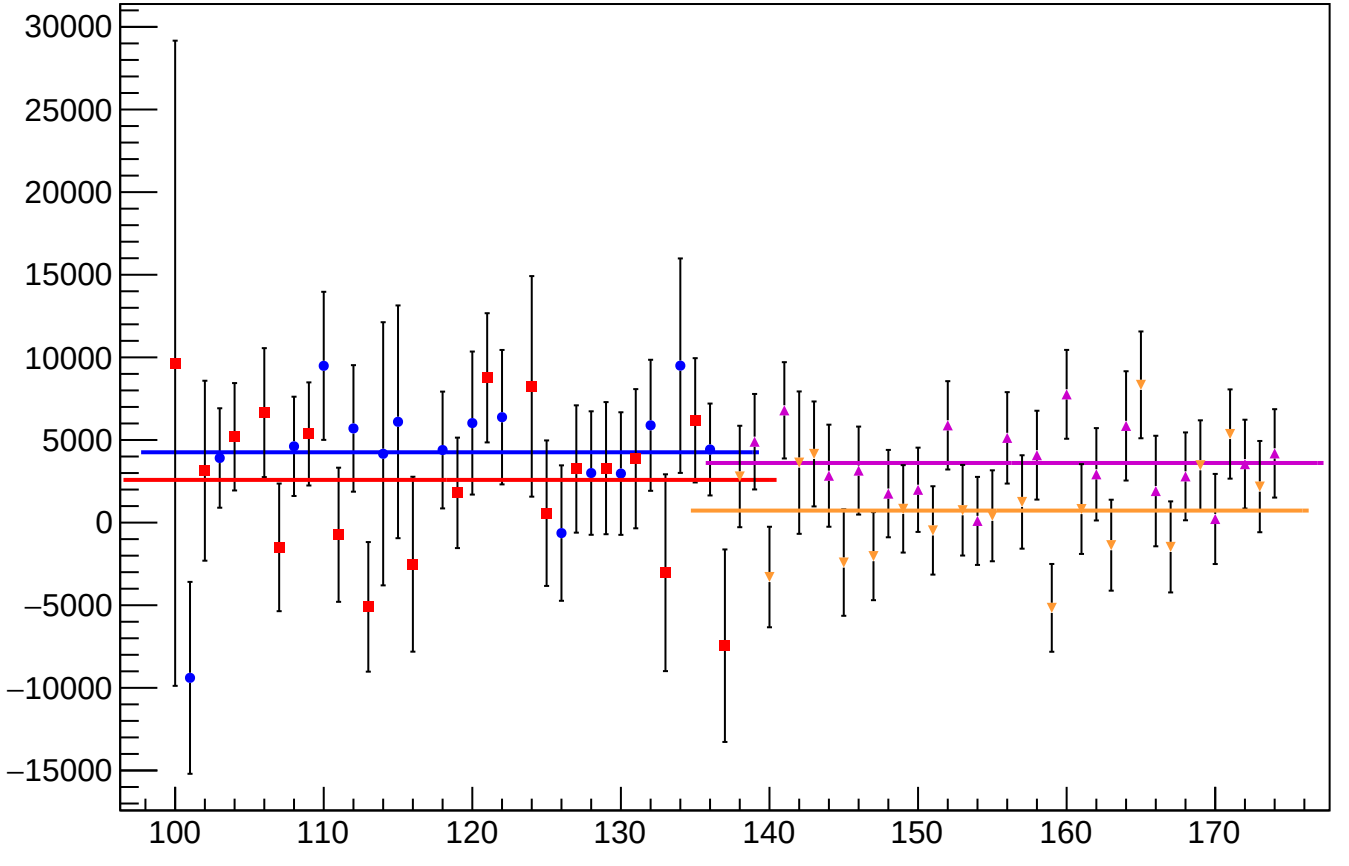
160
170
Right In: 7979.812+/-2.175 χ²/NDF: 922785.4/15
Left Out: 8482.689+/-1.579 χ²/NDF:762291.0/18
Right Out: 7502.685+/-2.046 χ²/NDF: 1135523.5/18
Left In: 8570.618+/-1.604 χ²/NDF:1044753.6/17
Left: 8525.950+/-1.125 χ²/NDF: 1808570.3/36
Right: 7726.698+/-1.490 χ²/NDF: 2083841.8/34
In: 8362.396+/-1.291 χ²/NDF:2015327.4/33
Out: 8116.886+/-1.250 χ²/NDF:2041605.6/37
All: 8235.670+/-0.898 χ²/NDF: 4075596.9/71

dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.977+/-990.542 χ^2/NDF: 10.1/15

Left Out: 727.827+/-656.930 χ^2/NDF:22.0/18

Right Out: 2584.689+/-966.049 χ^2/NDF: 17.6/18

Left In: 3608.976+/-654.935 χ^2/NDF:10.0/17

Left: 2172.782+/-463.813 χ^2/NDF: 41.7/36

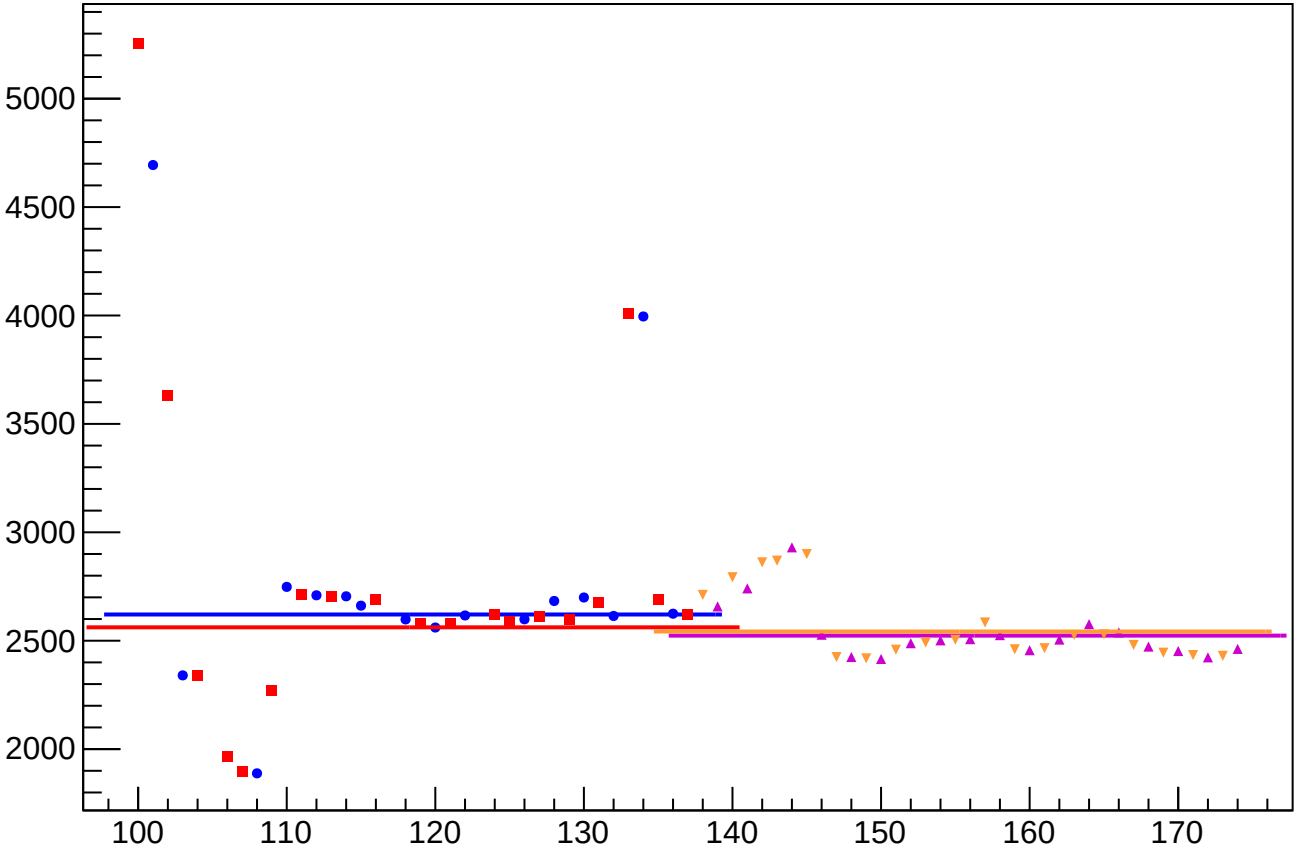
Right: 3399.902+/-691.597 χ^2/NDF: 29.1/34

In: 3806.090+/-546.316 χ^2/NDF:20.4/33

Out: 1314.974+/-543.228 χ^2/NDF:42.2/37

All: 2553.472+/-385.208 χ^2/NDF: 73.0/71

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.964+/-0.700 χ^2/NDF: 485914.1/15

Left Out: 2542.453+/-0.465 χ^2/NDF:101831.8/18

Right Out: 2561.718+/-0.683 χ^2/NDF: 378259.5/18

Left In: 2523.531+/-0.463 χ^2/NDF:64982.5/17

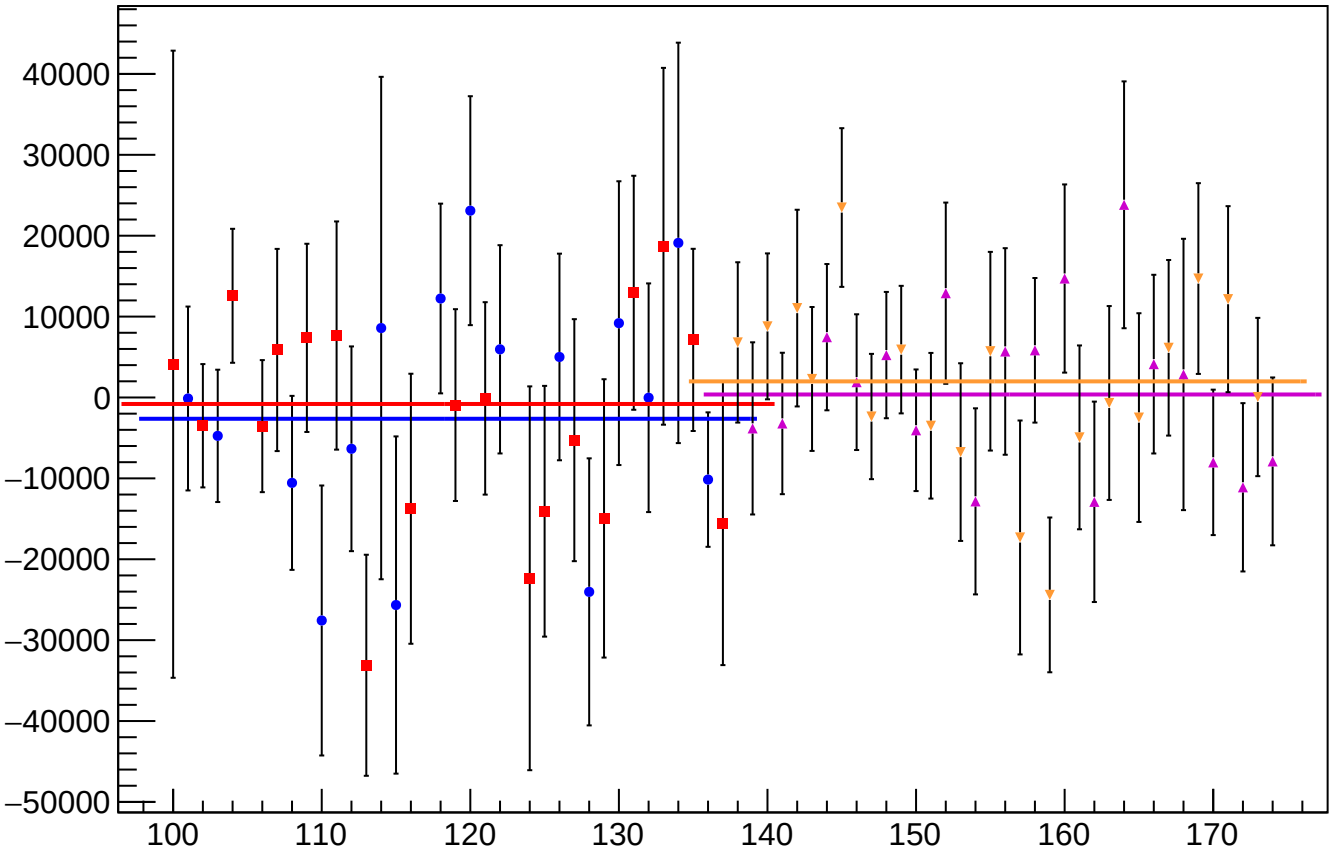
Left: 2532.963+/-0.328 χ^2/NDF: 167646.4/36

Right: 2590.582+/-0.489 χ^2/NDF: 867842.6/34

In: 2553.169+/-0.386 χ^2/NDF:564360.8/33

Out: 2548.549+/-0.384 χ^2/NDF:480635.6/37

All: 2550.846+/-0.272 χ^2/NDF: 1045068.4/71



Right In: -2631.921+/-3211.506 χ^2/NDF: 13.8/15

Left Out: 1990.899+/-2341.535 χ^2/NDF:19.9/18

Right Out: -802.880+/-2872.934 χ^2/NDF: 15.4/18

Left In: 370.686+/-2373.745 χ^2/NDF:12.7/17

Left: 1191.860+/-1666.987 χ^2/NDF: 32.8/36

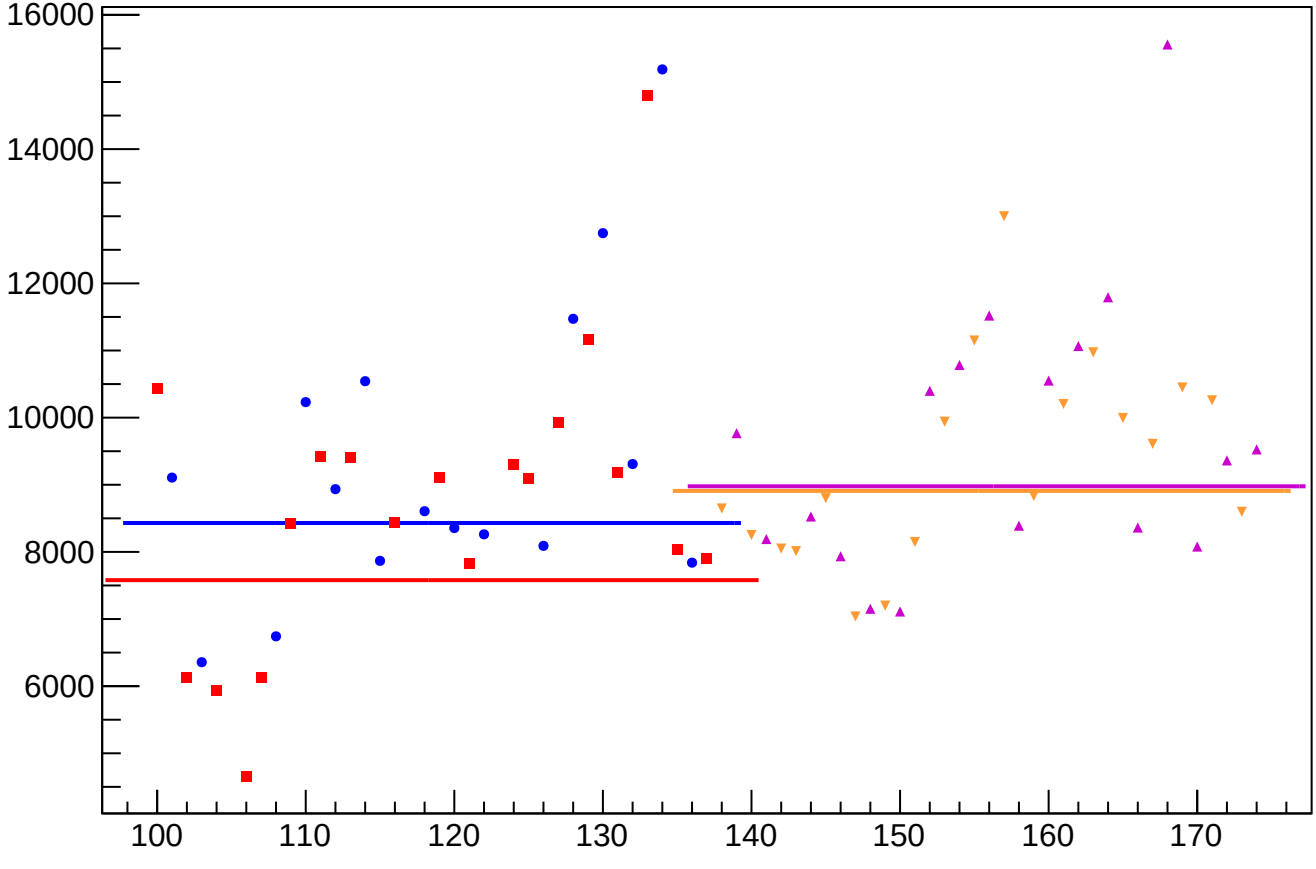
Right: -1615.936+/-2141.201 χ^2/NDF: 29.4/34

In: -690.151+/-1908.903 χ^2/NDF:27.1/33

Out: 875.793+/-1815.046 χ^2/NDF:35.9/37

All: 132.263+/-1315.361 χ^2/NDF: 63.3/71

asym_atr2_dit_correction_rms vs Slug, Sign Corrected



Right In: 8430.768+/-2.271 χ^2/NDF: 580295.1/15

Left Out: 8908.659+/-1.656 χ^2/NDF:683461.7/18

Right Out: 7579.112+/-2.031 χ^2/NDF: 974126.9/18

Left In: 8977.321+/-1.678 χ^2/NDF:969013.1/17

Left: 8942.521+/-1.179 χ^2/NDF: 1653322.9/36

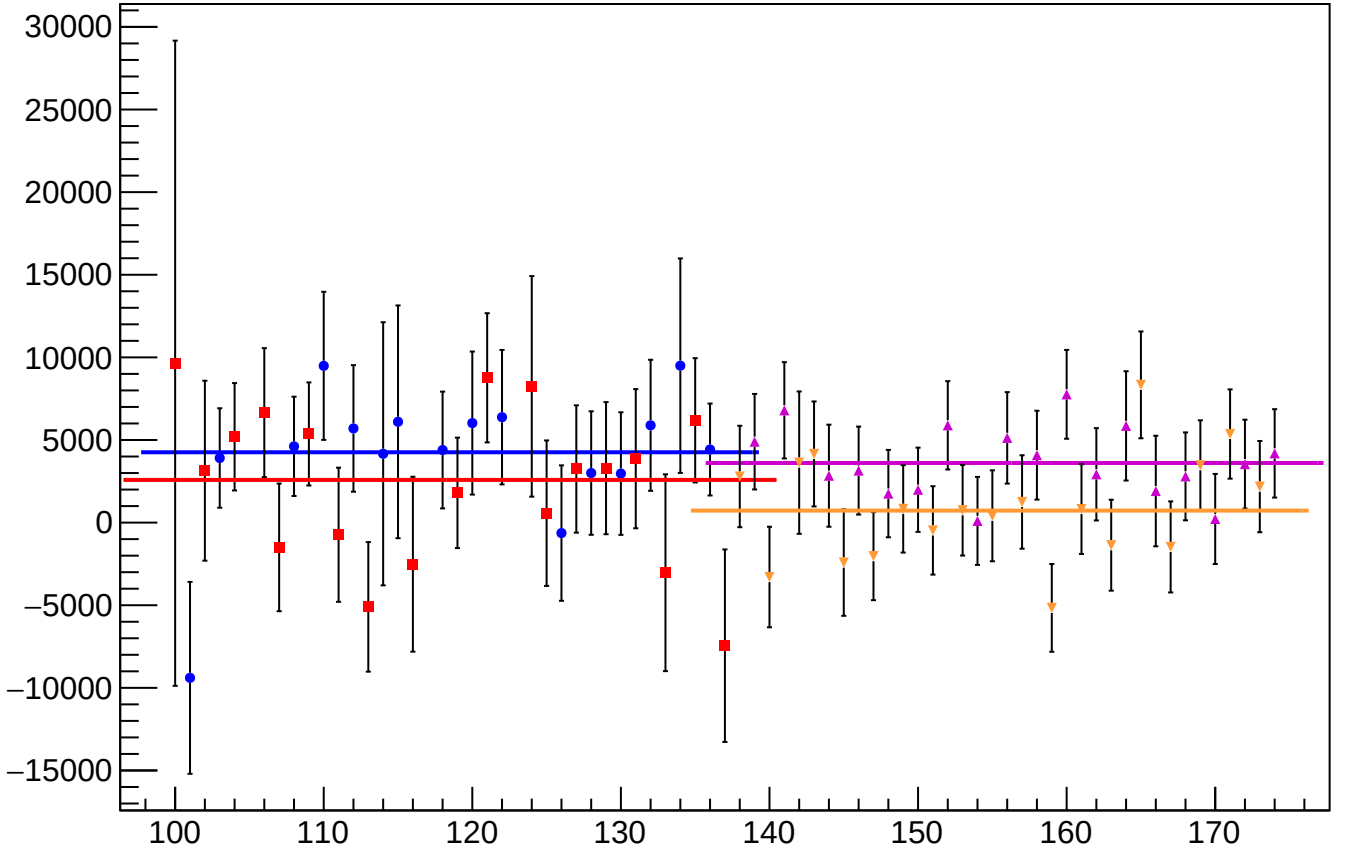
Right: 7957.695+/-1.514 χ^2/NDF: 1632549.6/34

In: 8784.221+/-1.350 χ^2/NDF:1586768.9/33

Out: 8377.985+/-1.283 χ^2/NDF:1914959.7/37

All: 8570.871+/-0.930 χ^2/NDF: 3549298.6/71

eigen_dit_asym_atr2_mean vs Slug, Sign Corrected



Right In: 4256.984+/-990.541 χ^2/NDF: 10.1/15

Left Out: 727.815+/-656.931 χ^2/NDF:22.0/18

Right Out: 2584.699+/-966.048 χ^2/NDF: 17.6/18

Left In: 3608.980+/-654.936 χ^2/NDF:10.0/17

Left: 2172.778+/-463.813 χ^2/NDF: 41.7/36

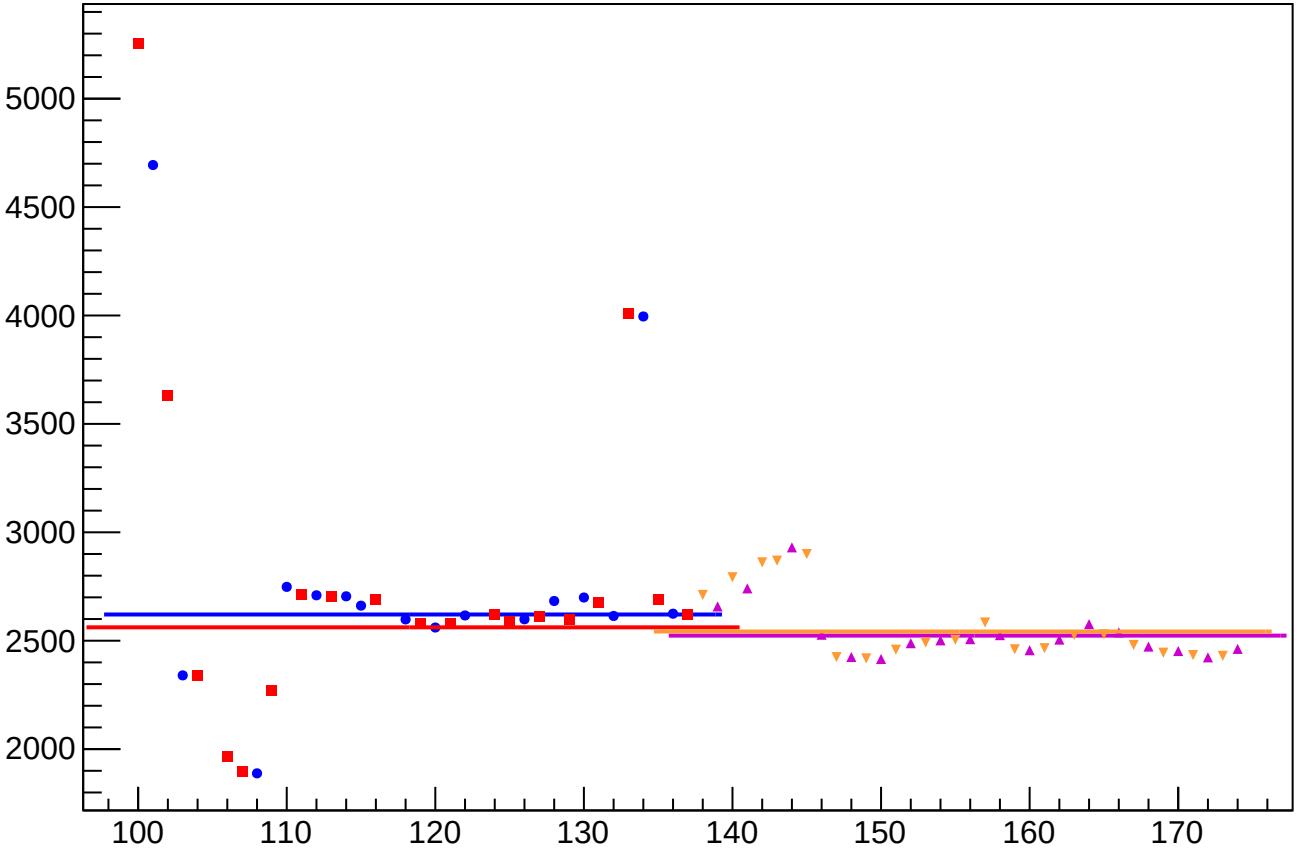
Right: 3399.911+/-691.596 χ^2/NDF: 29.1/34

In: 3806.096+/-546.317 χ^2/NDF:20.4/33

Out: 1314.970+/-543.229 χ^2/NDF:42.2/37

All: 2553.472+/-385.208 χ^2/NDF: 73.0/71

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2620.963+/-0.700 χ^2/NDF: 485914.3/15

Left Out: 2542.455+/-0.465 χ^2/NDF:101832.0/18

Right Out: 2561.718+/-0.683 χ^2/NDF: 378258.9/18

Left In: 2523.534+/-0.463 χ^2/NDF:64982.4/17

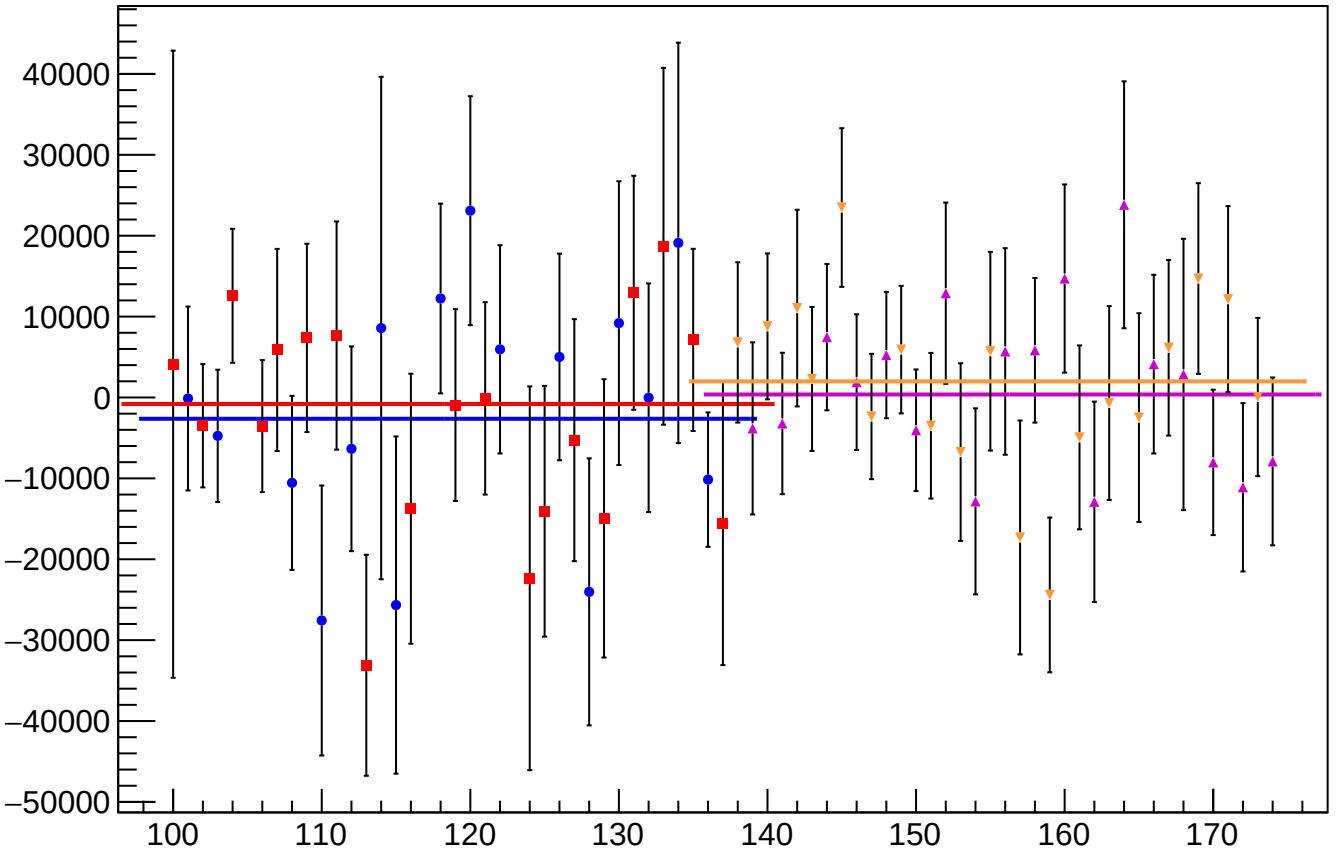
Left: 2532.965+/-0.328 χ^2/NDF: 167646.5/36

Right: 2590.582+/-0.489 χ^2/NDF: 867842.2/34

In: 2553.170+/-0.386 χ^2/NDF:564360.2/33

Out: 2548.551+/-0.384 χ^2/NDF:480635.2/37

All: 2550.847+/-0.272 χ^2/NDF: 1045067.3/71



Right In: -2631.887+/-3211.501 χ^2/NDF: 13.8/15

Left Out: 1990.896+/-2341.539 χ^2/NDF:19.9/18

Right Out: -802.875+/-2872.930 χ^2/NDF: 15.4/18

Left In: 370.682+/-2373.749 χ^2/NDF:12.7/17

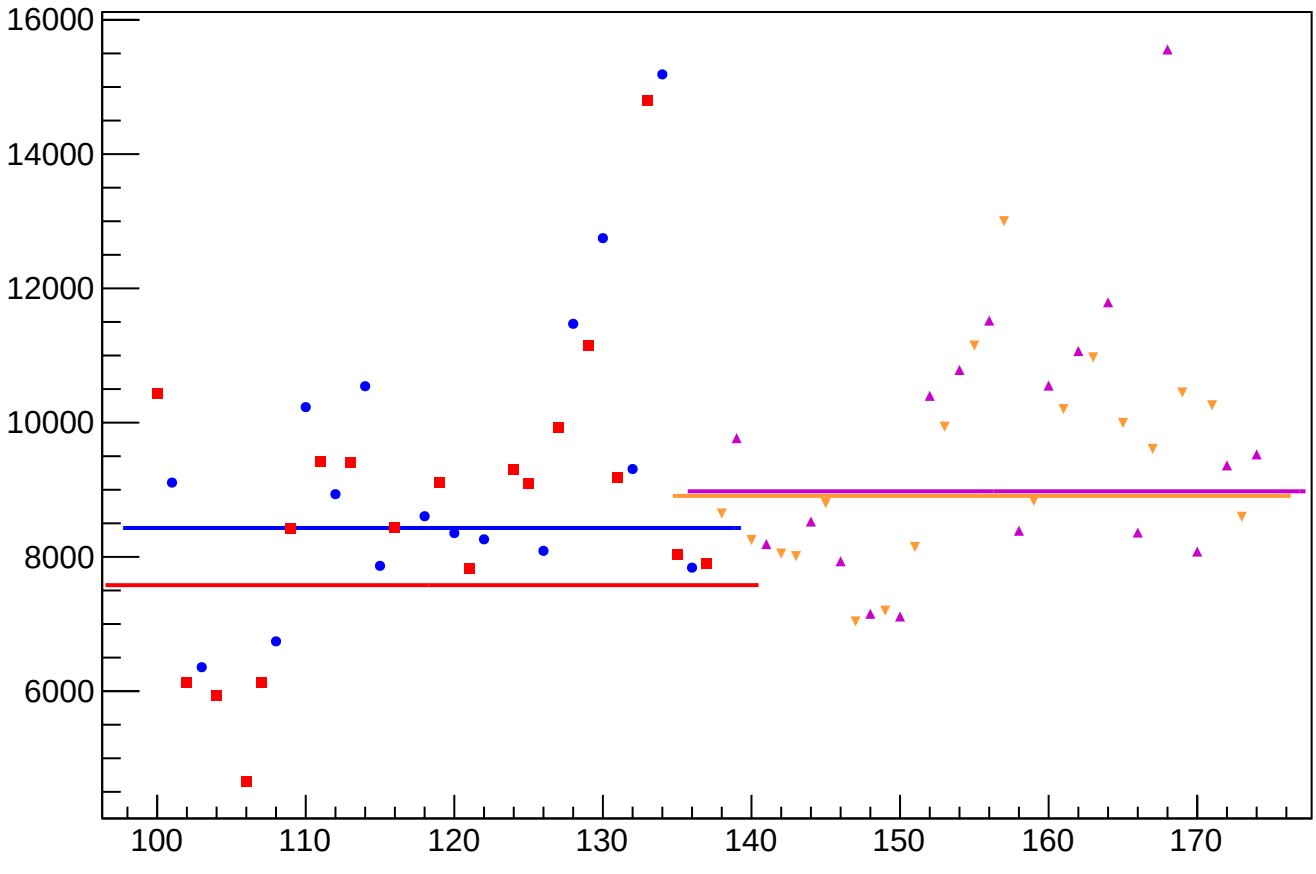
Left: 1191.856+/-1666.989 χ^2/NDF: 32.8/36

Right: -1615.919+/-2141.198 χ^2/NDF: 29.4/34

In: -690.146+/-1908.904 χ^2/NDF:27.1/33

Out: 875.789+/-1815.047 χ^2/NDF:35.9/37

All: 132.264+/-1315.361 χ^2/NDF: 63.3/71



Right In: 8430.758+/-2.271 χ^2/NDF: 580289.4/15

Left Out: 8908.673+/-1.656 χ^2/NDF:683461.6/18

Right Out: 7579.100+/-2.031 χ^2/NDF: 974123.2/18

Left In: 8977.334+/-1.678 χ^2/NDF:969014.2/17

Left: 8942.534+/-1.179 χ^2/NDF: 1653323.9/36

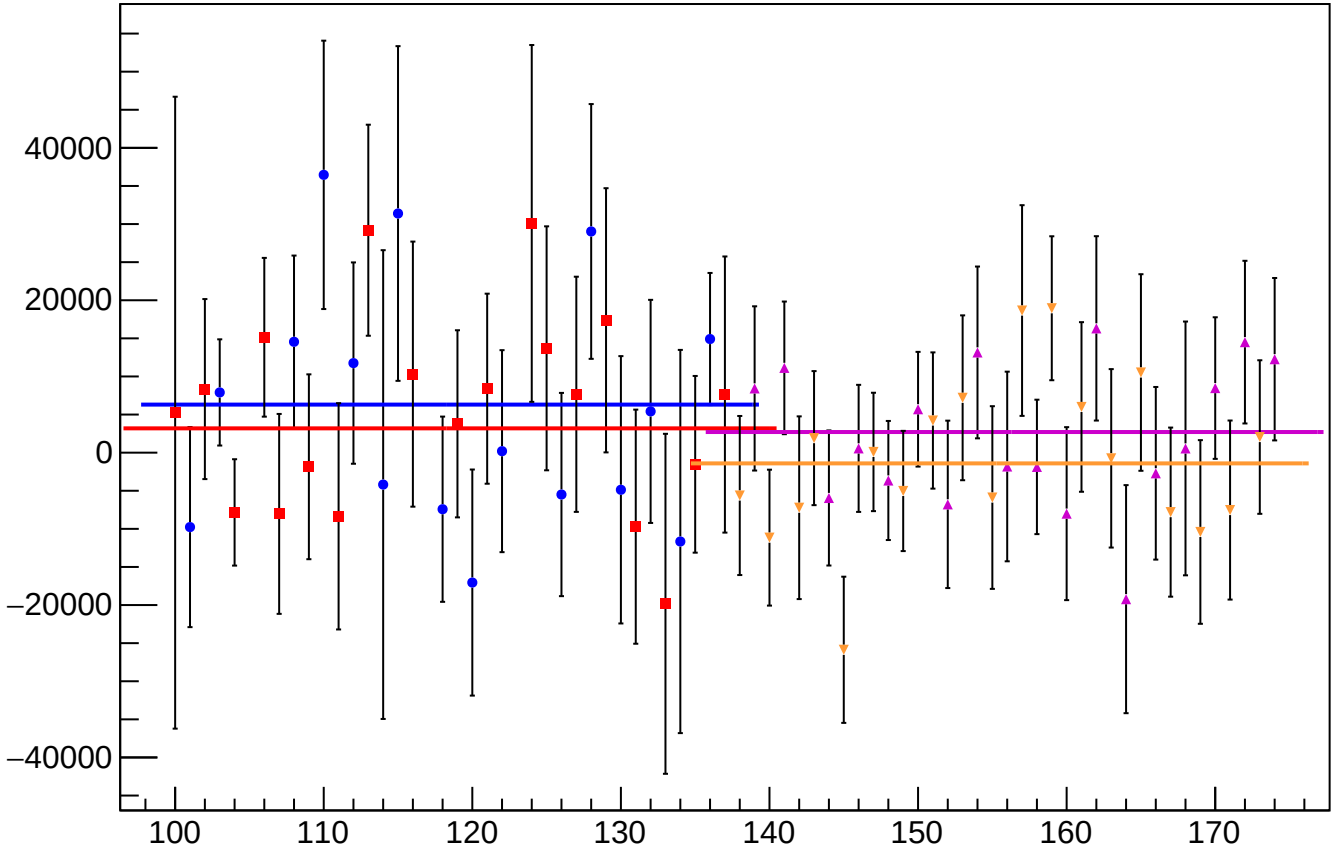
Right: 7957.685+/-1.514 χ^2/NDF: 1632540.7/34

In: 8784.225+/-1.350 χ^2/NDF:1586767.5/33

Out: 8377.987+/-1.283 χ^2/NDF:1914966.0/37

All: 8570.874+/-0.930 χ^2/NDF: 3549304.1/71

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6307.034+/-3239.703 χ^2/NDF: 15.1/15

Left Out: -1407.810+/-2337.207 χ^2/NDF:19.0/18

Right Out: 3189.356+/-3068.645 χ^2/NDF: 13.9/18

Left In: 2707.898+/-2370.023 χ^2/NDF:12.0/17

Left: 621.353+/-1664.136 χ^2/NDF: 32.5/36

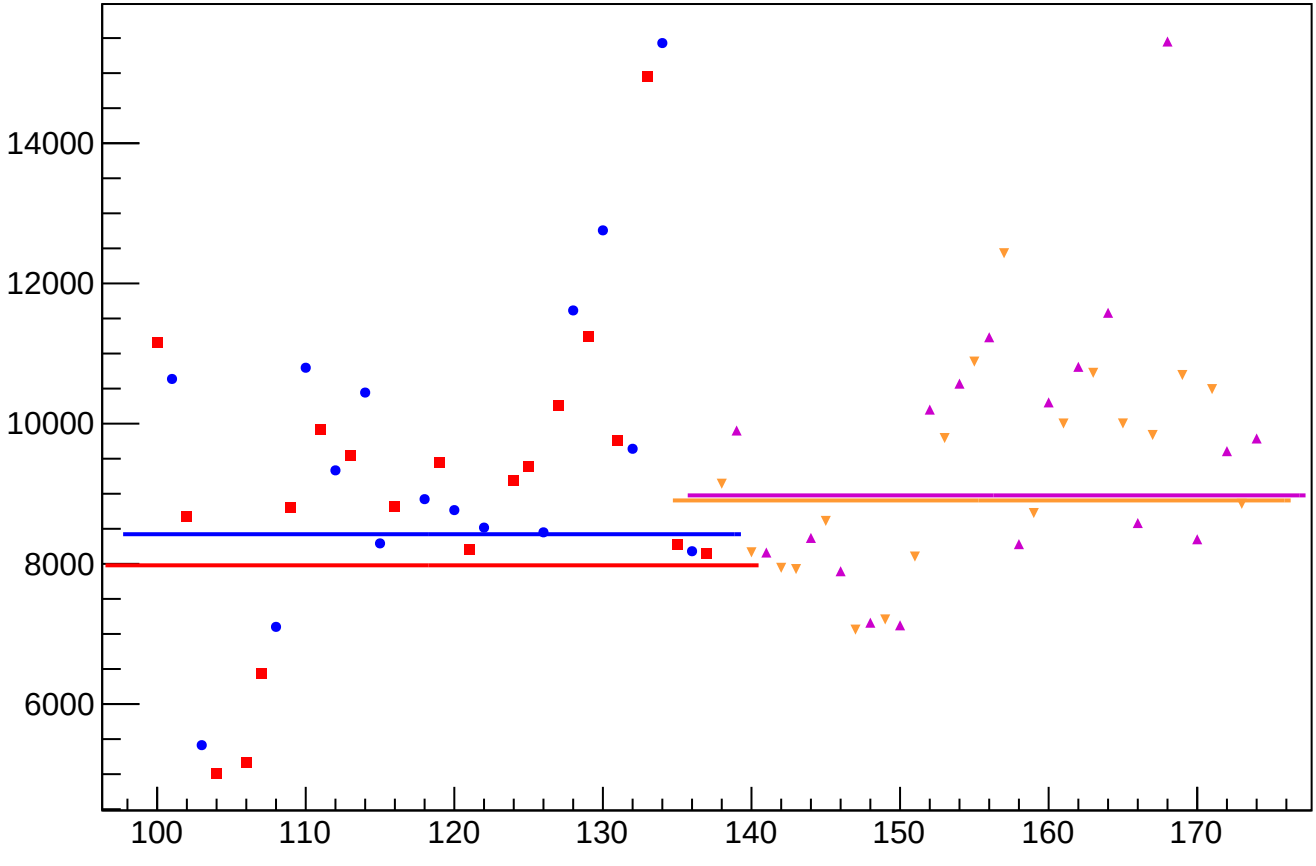
Right: 4663.718+/-2227.879 χ^2/NDF: 29.5/34

In: 3962.585+/-1912.819 χ^2/NDF:27.9/33

Out: 279.937+/-1859.325 χ^2/NDF:34.3/37

All: 2069.046+/-1333.252 χ^2/NDF: 64.1/71

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8422.717+/-2.291 χ^2/NDF: 881833.9/15

Left Out: 8904.586+/-1.653 χ^2/NDF:651480.5/18

Right Out: 7978.997+/-2.170 χ^2/NDF: 1016019.0/18

Left In: 8976.548+/-1.676 χ^2/NDF:913797.6/17

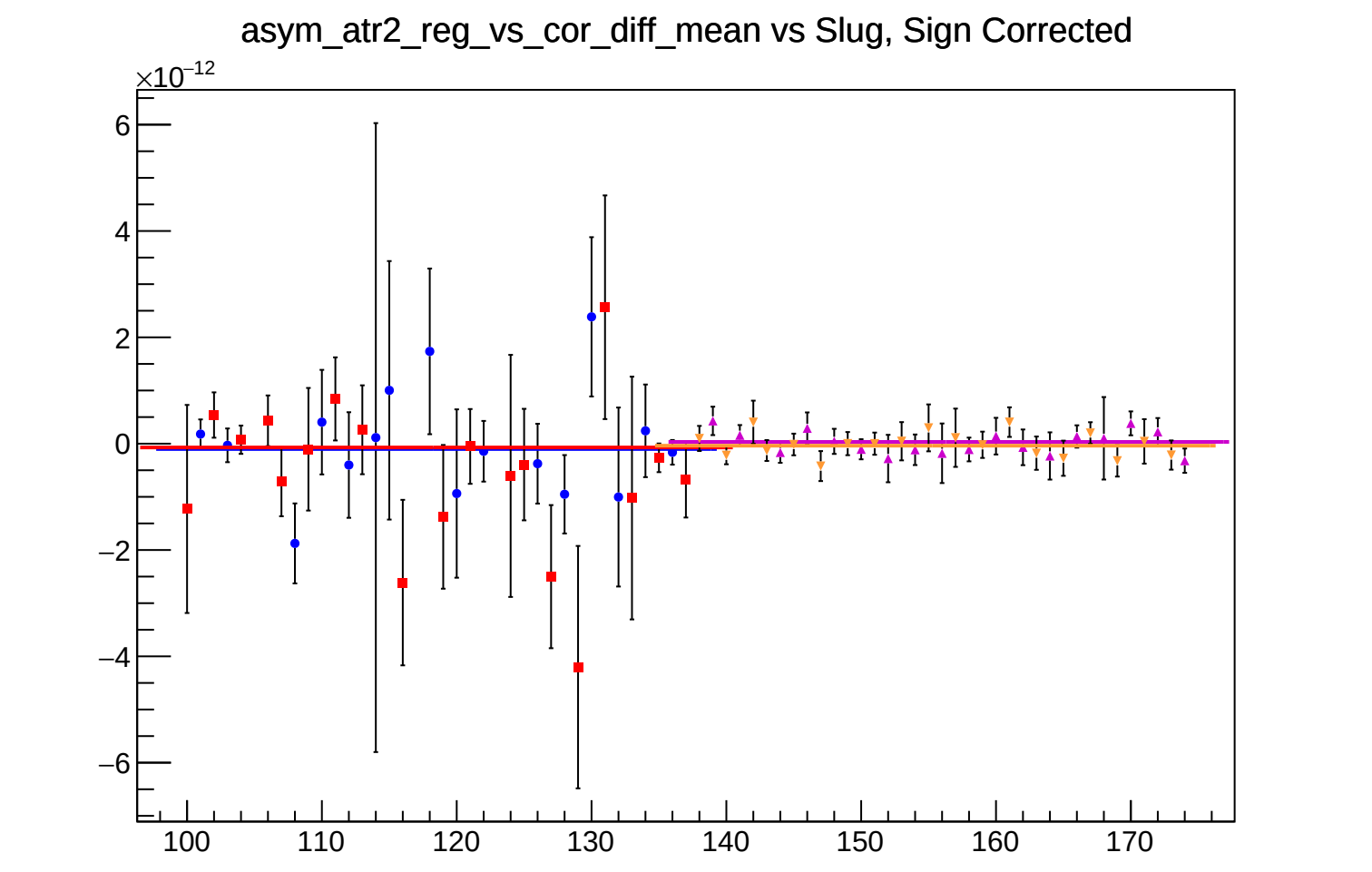
Left: 8940.065+/-1.177 χ^2/NDF: 1566212.9/36

Right: 8188.830+/-1.575 χ^2/NDF: 1917628.8/34

In: 8783.478+/-1.353 χ^2/NDF:1833704.3/33

Out: 8564.769+/-1.315 χ^2/NDF:1782658.9/37

All: 8671.022+/-0.943 χ^2/NDF: 3629807.4/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:12.3/17

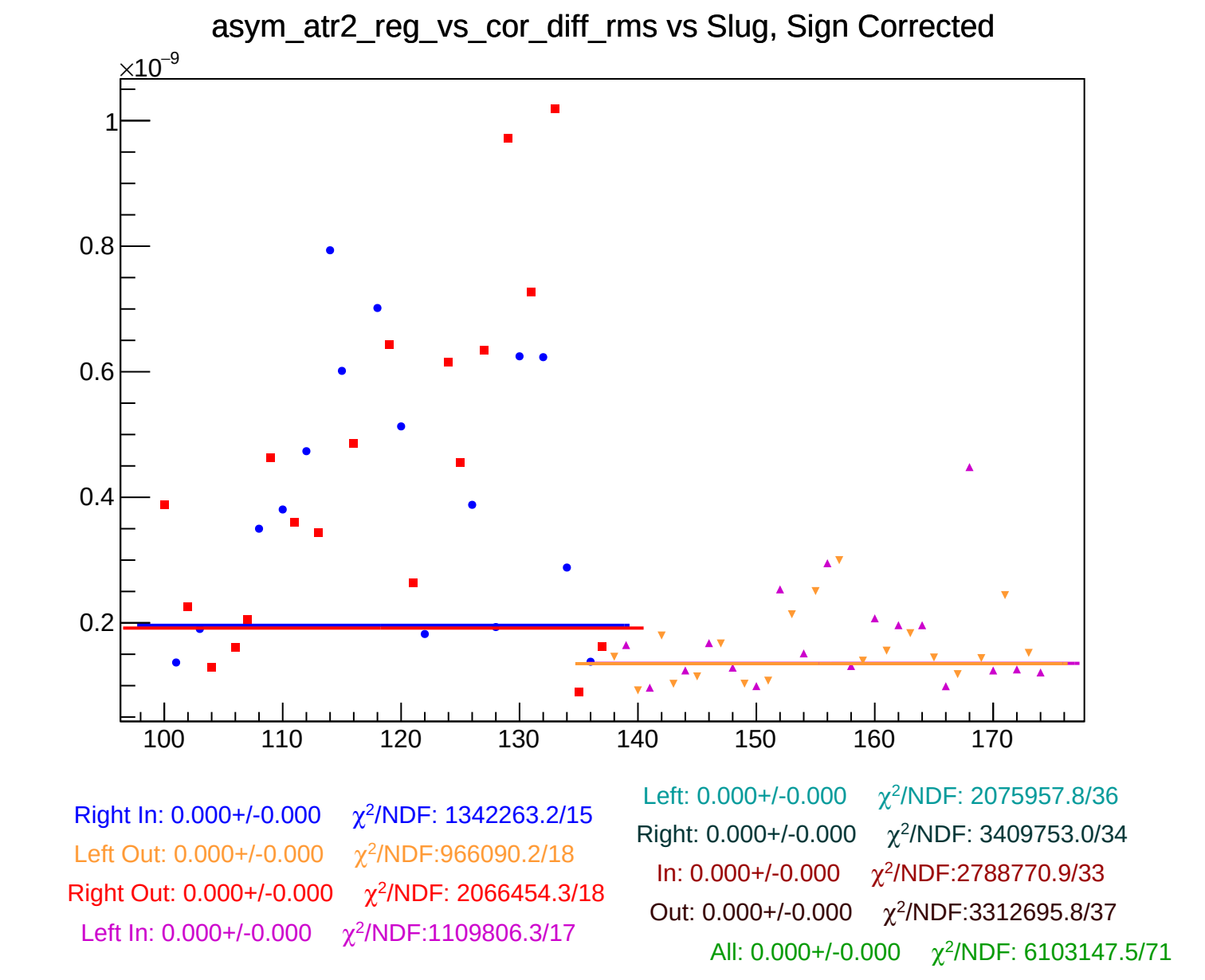
Left: -0.000+/-0.000 χ^2/NDF: 24.5/36

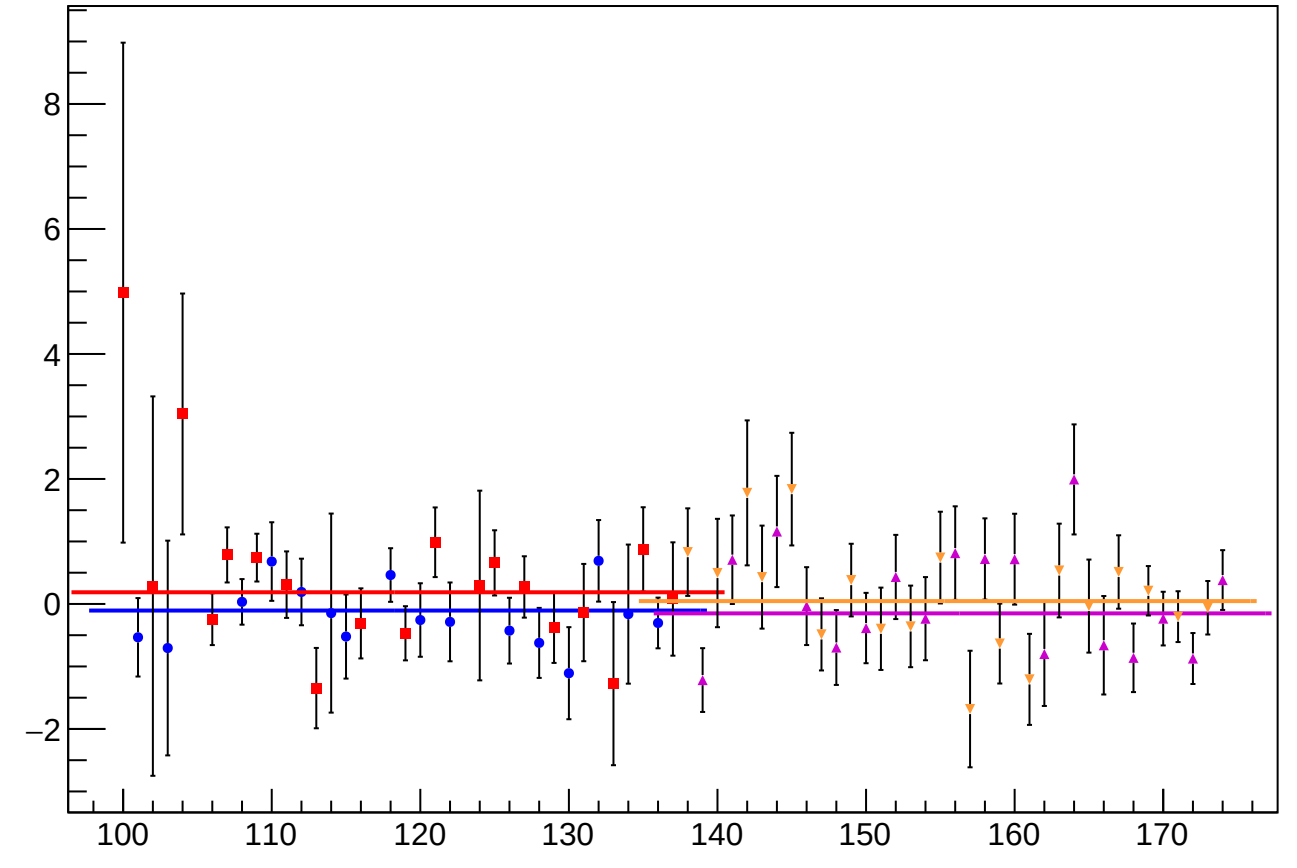
Right: -0.000+/-0.000 χ^2/NDF: 33.3/34

In: 0.000+/-0.000 χ^2/NDF:26.8/33

Out: -0.000+/-0.000 χ^2/NDF:31.2/37

All: -0.000+/-0.000 χ^2/NDF: 58.4/71


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1
0.8
0.6
0.4
0.2
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1342263.2/15
Left Out: 0.000+/-0.000 χ²/NDF:966090.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 2066454.3/18
Left In: 0.000+/-0.000 χ²/NDF:1109806.3/17
Left: 0.000+/-0.000 χ²/NDF: 2075957.8/36
Right: 0.000+/-0.000 χ²/NDF: 3409753.0/34
In: 0.000+/-0.000 χ²/NDF:2788770.9/33
Out: 0.000+/-0.000 χ²/NDF:3312695.8/37
All: 0.000+/-0.000 χ²/NDF: 6103147.5/71



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

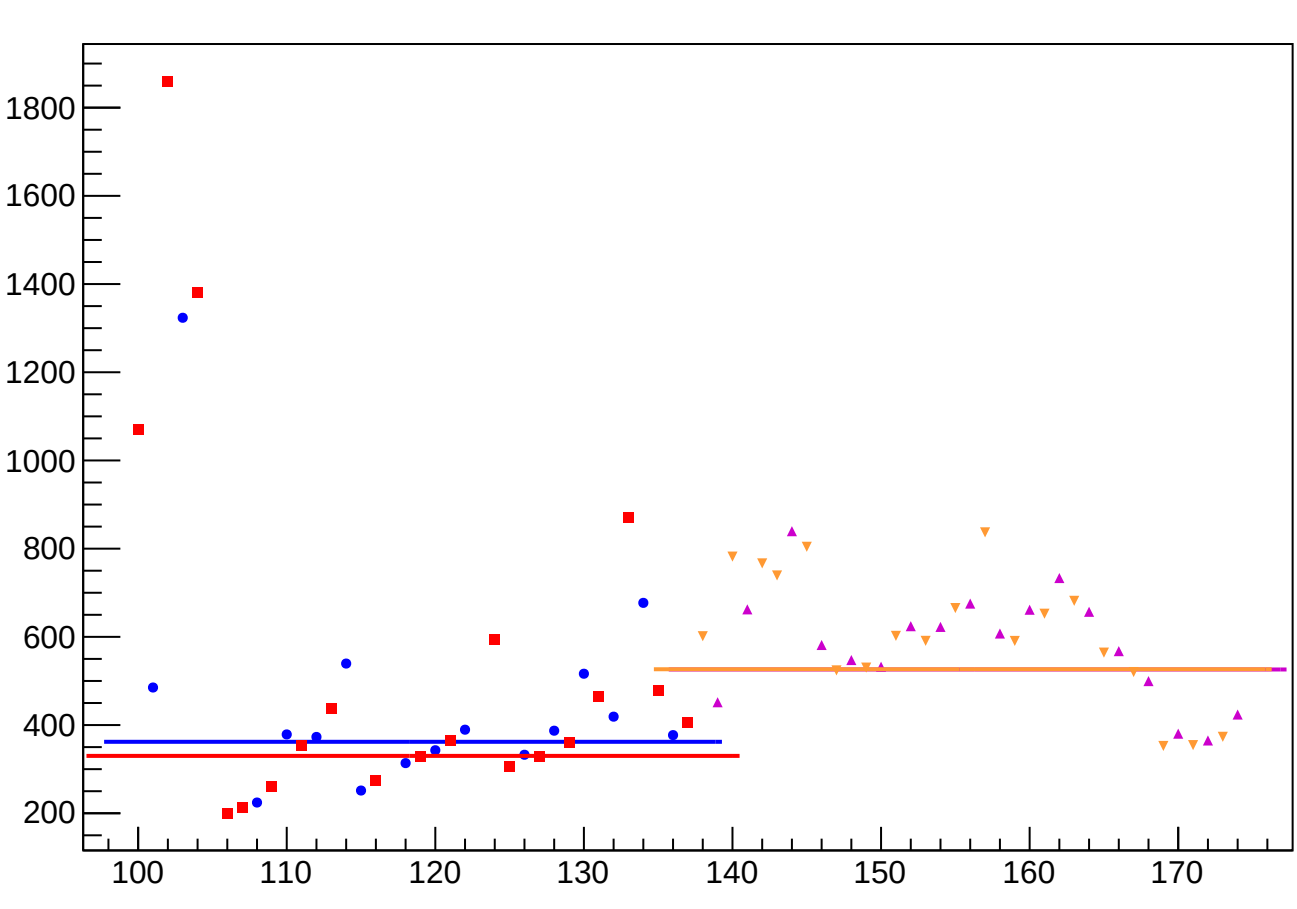
Left: -0.053+/-0.101 χ^2/NDF: 48.7/36

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.119+/-0.099 χ^2/NDF:44.4/37

All: -0.002+/-0.071 χ^2/NDF: 84.9/71



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 526.551+/-0.101 χ^2/NDF:2116349.6/18

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

Left: 526.283+/-0.071 χ^2/NDF: 3576631.2/36

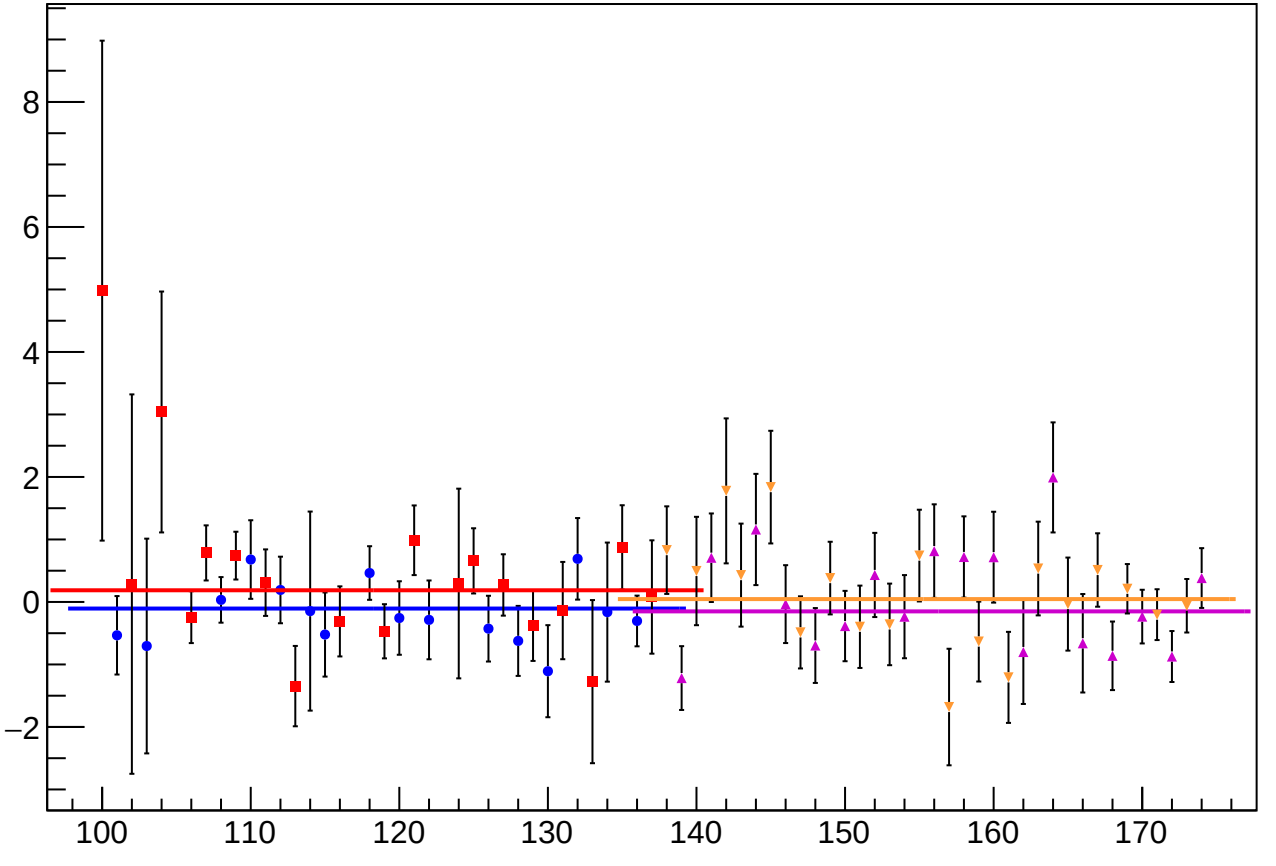
Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 445.571+/-0.072 χ^2/NDF:4146301.9/33

Out: 424.651+/-0.070 χ^2/NDF:6330791.9/37

All: 434.863+/-0.050 χ^2/NDF: 10520723.0/71

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

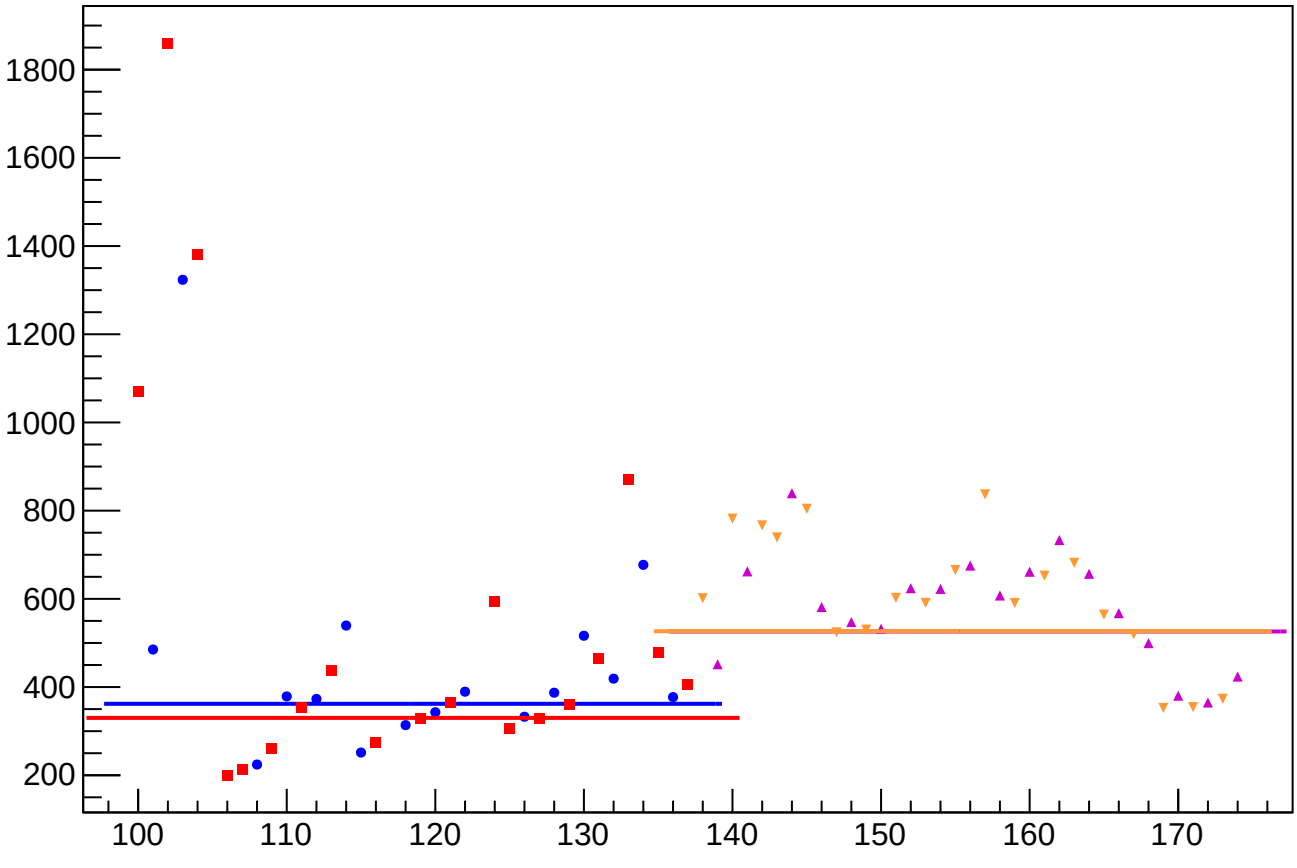
Left: -0.053+/-0.101 χ^2/NDF: 48.7/36

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.119+/-0.099 χ^2/NDF:44.4/37

All: -0.002+/-0.071 χ^2/NDF: 84.9/71



Right In: 362.037+/-0.102 χ^2/NDF: 1377330.2/15

Left Out: 526.551+/-0.101 χ^2/NDF:2116349.6/18

Right Out: 330.084+/-0.097 χ^2/NDF: 2246513.0/18

Left In: 526.018+/-0.100 χ^2/NDF:1460267.5/17

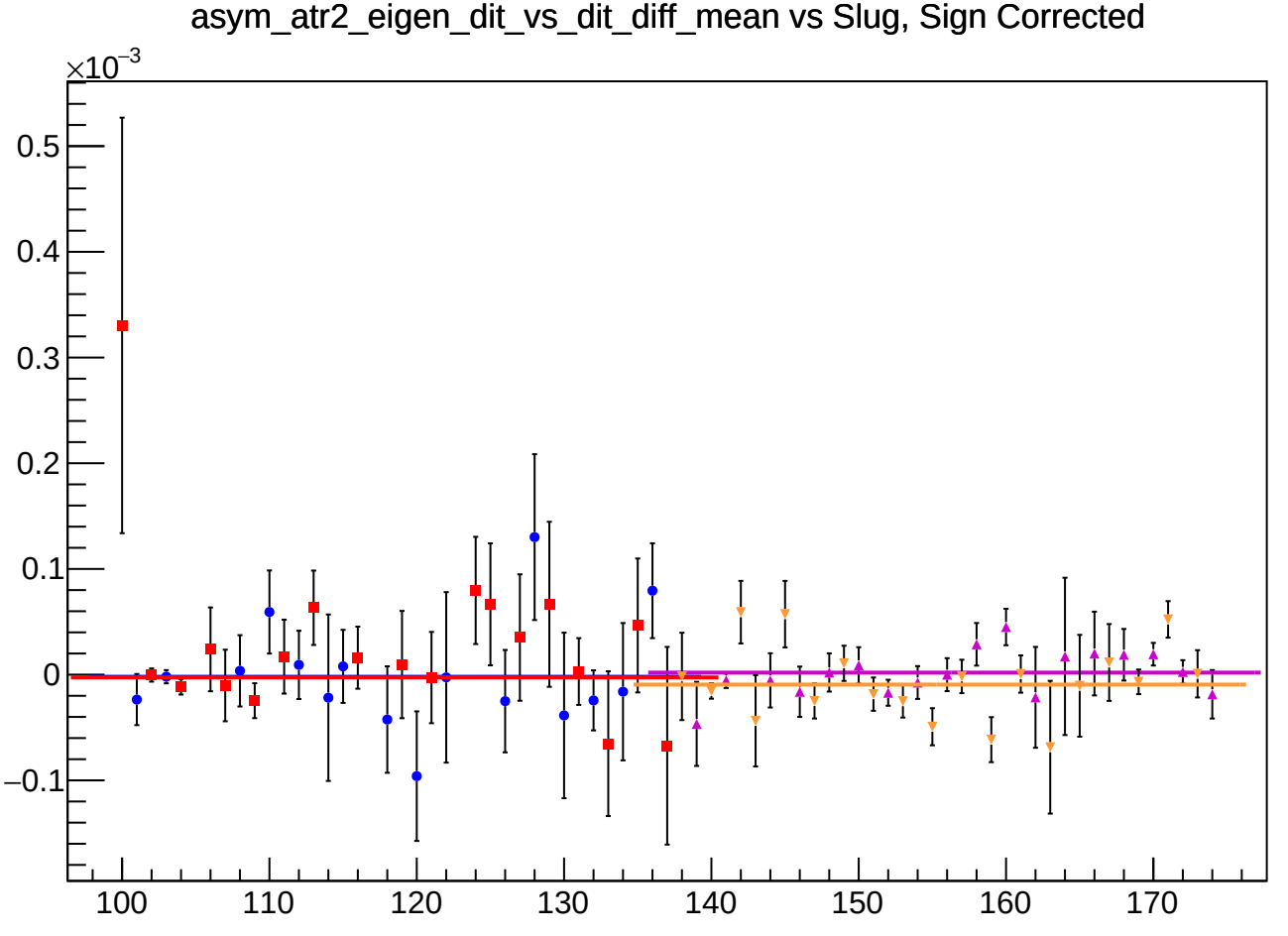
Left: 526.283+/-0.071 χ^2/NDF: 3576631.2/36

Right: 345.237+/-0.070 χ^2/NDF: 3675129.8/34

In: 445.571+/-0.072 χ^2/NDF:4146301.9/33

Out: 424.651+/-0.070 χ^2/NDF:6330791.9/37

All: 434.863+/-0.050 χ^2/NDF: 10520723.0/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:18.6/17

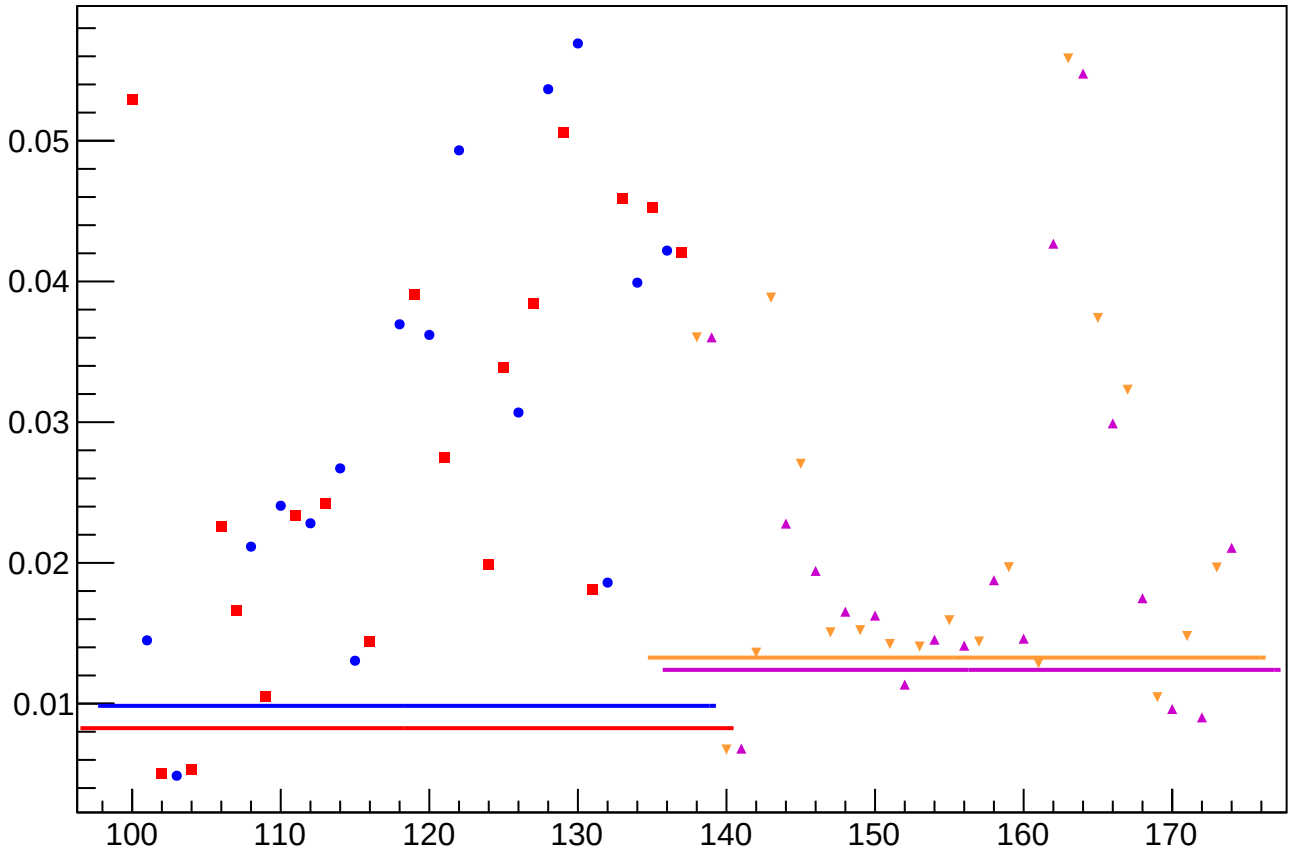
Left: -0.000+/-0.000 χ^2/NDF: 63.7/36

Right: -0.000+/-0.000 χ^2/NDF: 32.0/34

In: 0.000+/-0.000 χ^2/NDF:32.7/33

Out: -0.000+/-0.000 χ^2/NDF:60.4/37

All: -0.000+/-0.000 χ^2/NDF: 95.8/71



Right In: 0.010+/-0.000 χ^2/NDF: 7052383.3/15

Left Out: 0.013+/-0.000 χ^2/NDF:5841835.7/18

Right Out: 0.008+/-0.000 χ^2/NDF: 6740964.7/18

Left In: 0.012+/-0.000 χ^2/NDF:5457520.3/17

Left: 0.013+/-0.000 χ^2/NDF: 11350805.5/36

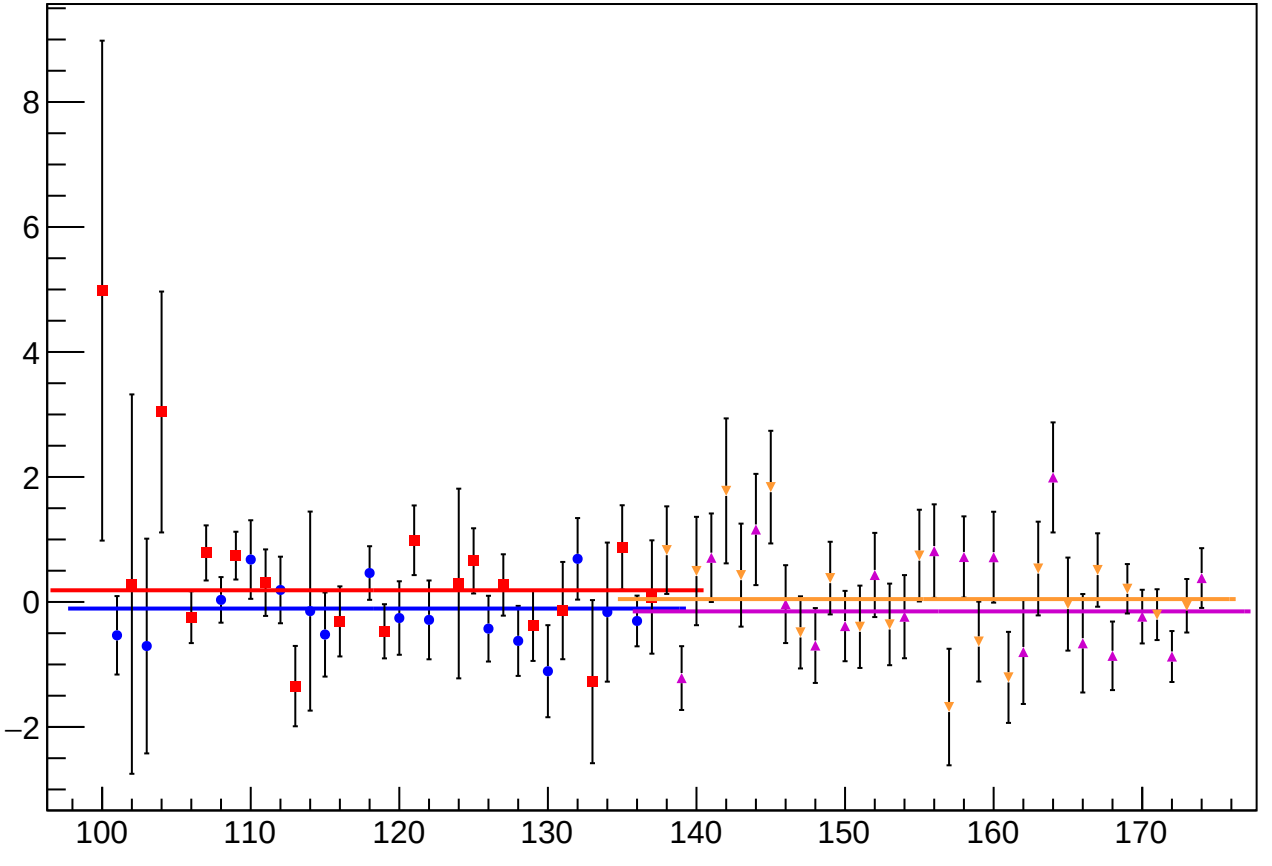
Right: 0.009+/-0.000 χ^2/NDF: 13900238.9/34

In: 0.012+/-0.000 χ^2/NDF:12812576.6/33

Out: 0.011+/-0.000 χ^2/NDF:14085595.0/37

All: 0.011+/-0.000 χ^2/NDF: 26944538.1/71

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

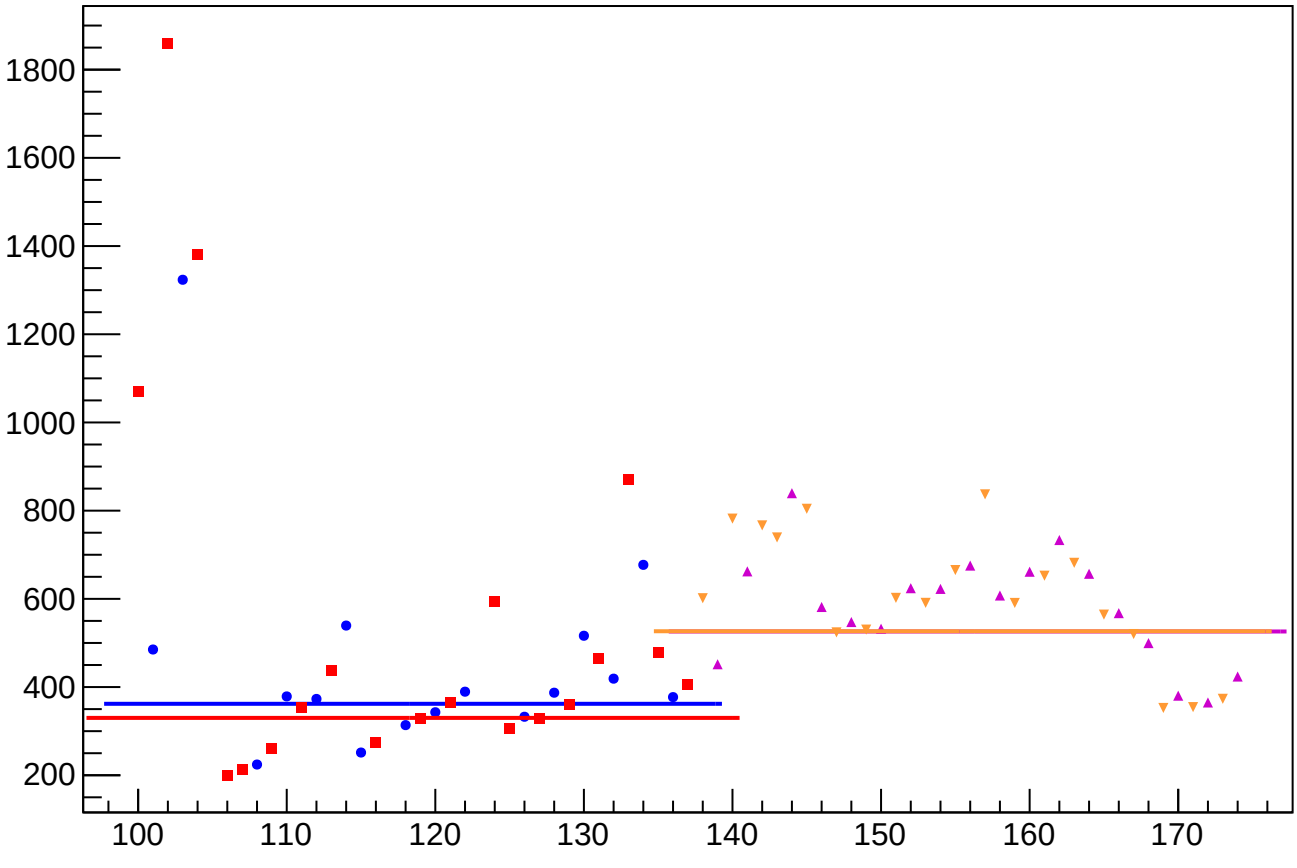
Left: -0.053+/-0.101 χ^2/NDF: 48.7/36

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.119+/-0.099 χ^2/NDF:44.4/37

All: -0.002+/-0.071 χ^2/NDF: 84.9/71



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 526.555+/-0.101 χ^2/NDF:2116462.9/18

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

Left: 526.288+/-0.071 χ^2/NDF: 3576793.8/36

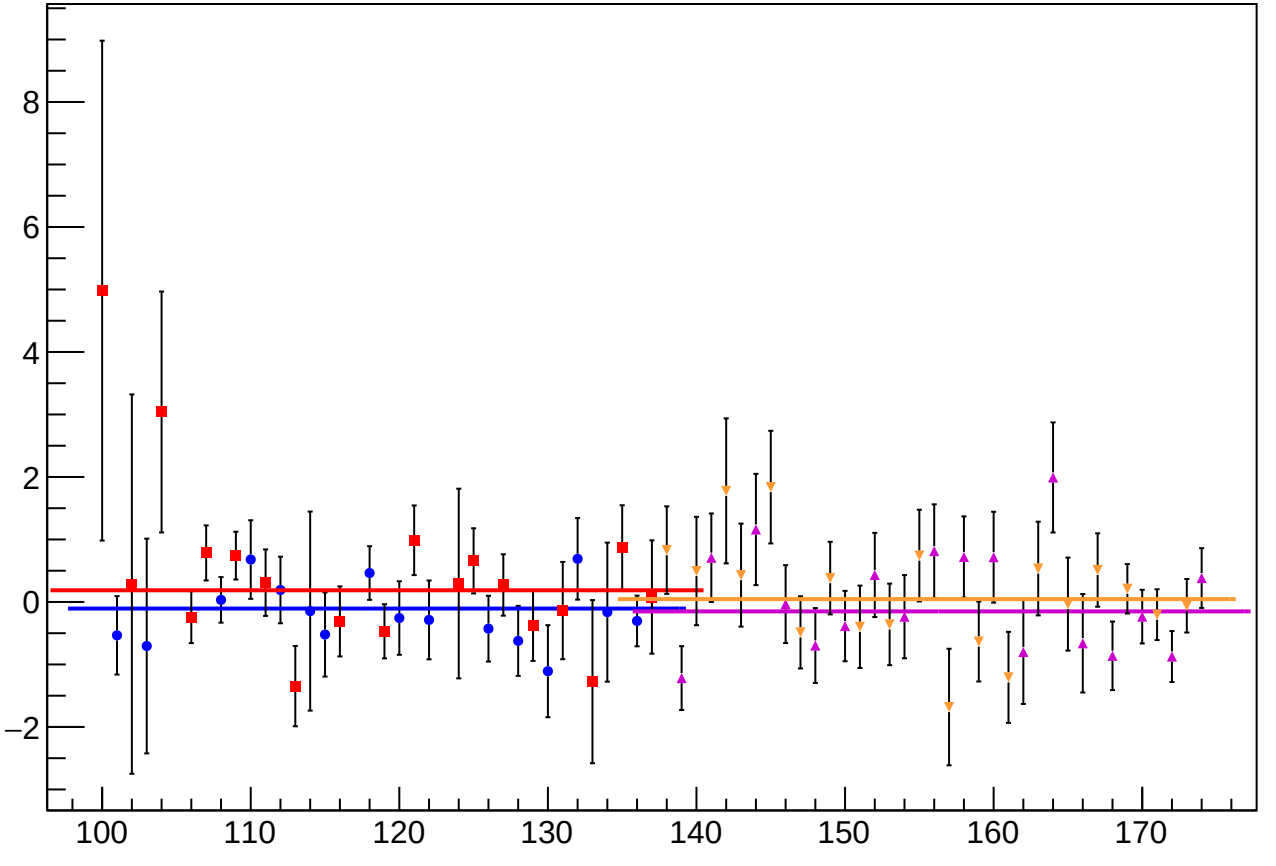
Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 445.571+/-0.072 χ^2/NDF:4146481.8/33

Out: 424.651+/-0.070 χ^2/NDF:6330988.5/37

All: 434.863+/-0.050 χ^2/NDF: 10521100.2/71

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.105+/-0.145 χ^2/NDF: 9.7/15

Left Out: 0.046+/-0.143 χ^2/NDF:20.0/18

Right Out: 0.187+/-0.137 χ^2/NDF: 23.9/18

Left In: -0.151+/-0.142 χ^2/NDF:27.7/17

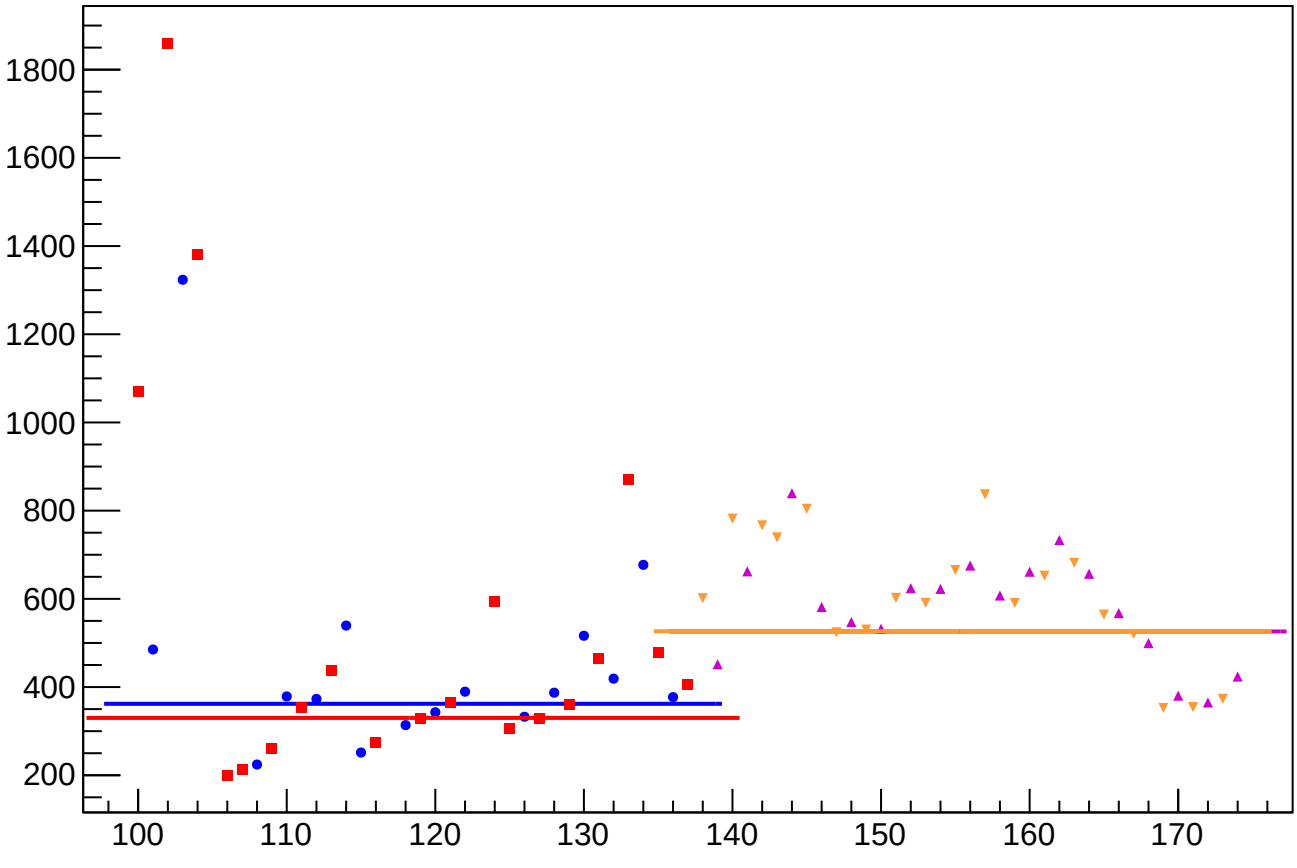
Left: -0.053+/-0.101 χ^2/NDF: 48.7/36

Right: 0.048+/-0.100 χ^2/NDF: 35.7/34

In: -0.129+/-0.101 χ^2/NDF:37.5/33

Out: 0.119+/-0.099 χ^2/NDF:44.4/37

All: -0.002+/-0.071 χ^2/NDF: 84.9/71



Right In: 362.034+/-0.102 χ^2/NDF: 1377333.3/15

Left Out: 526.555+/-0.101 χ^2/NDF:2116462.9/18

Right Out: 330.082+/-0.097 χ^2/NDF: 2246503.8/18

Left In: 526.023+/-0.100 χ^2/NDF:1460317.0/17

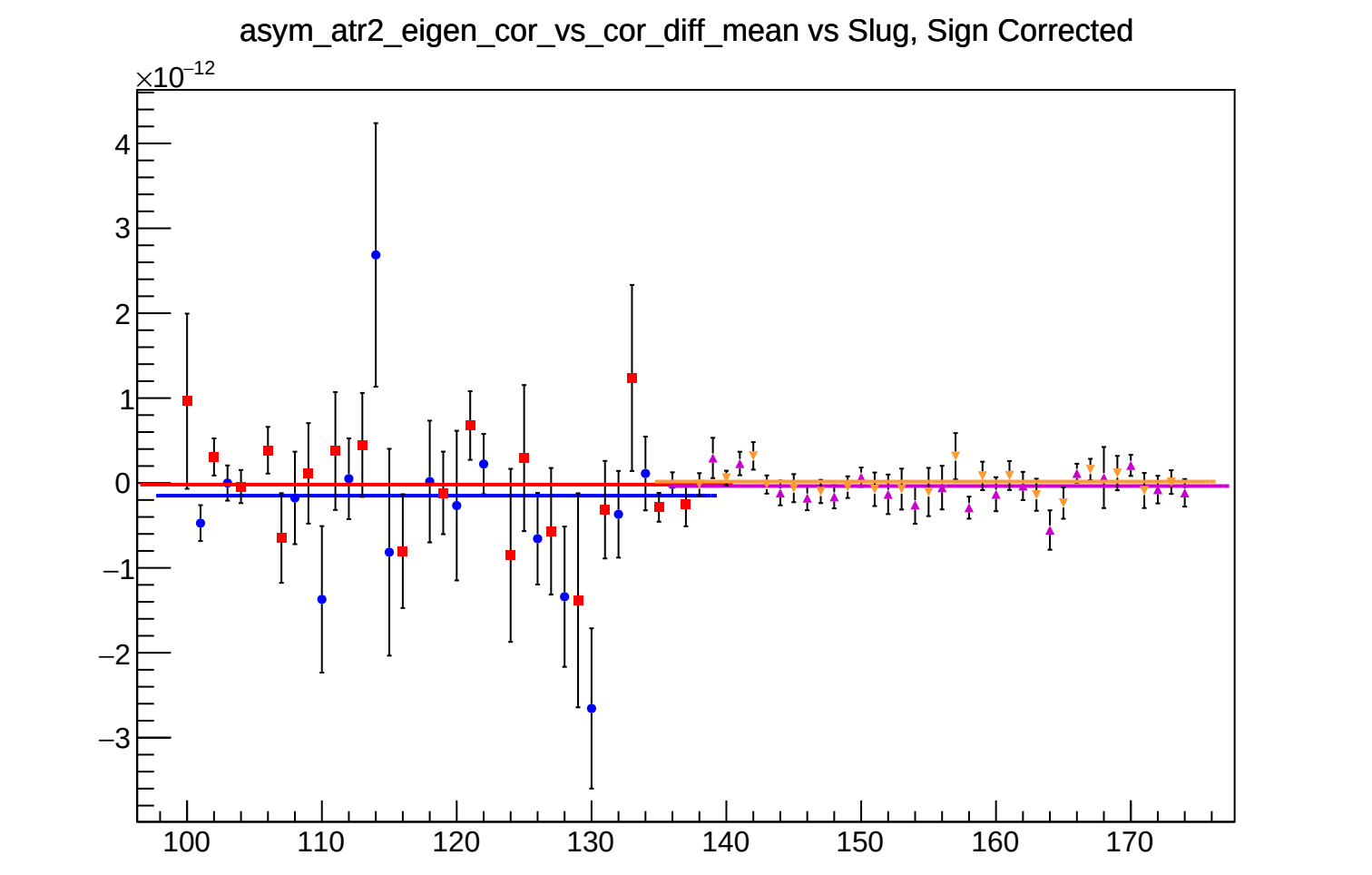
Left: 526.288+/-0.071 χ^2/NDF: 3576793.8/36

Right: 345.235+/-0.070 χ^2/NDF: 3675120.0/34

In: 445.571+/-0.072 χ^2/NDF:4146481.8/33

Out: 424.651+/-0.070 χ^2/NDF:6330988.5/37

All: 434.863+/-0.050 χ^2/NDF: 10521100.2/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:11.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: -0.000+/-0.000 χ^2/NDF:24.8/17

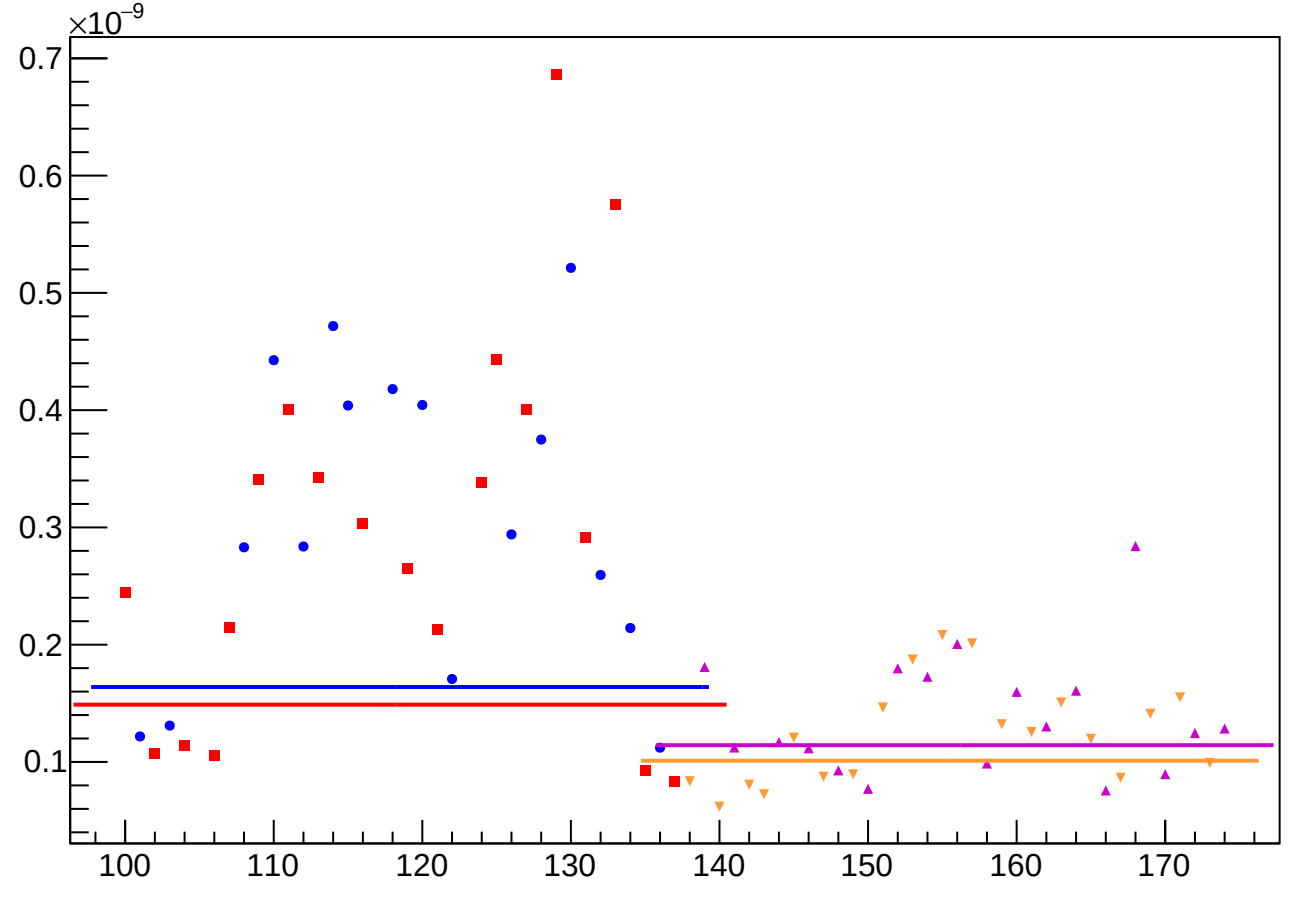
Left: -0.000+/-0.000 χ^2/NDF: 37.4/36

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

In: -0.000+/-0.000 χ^2/NDF:47.5/33

Out: 0.000+/-0.000 χ^2/NDF:31.1/37

All: -0.000+/-0.000 χ^2/NDF: 80.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 2011207.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2125432.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2846265.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1953805.7/17

Left: 0.000+/-0.000 χ^2/NDF: 4214089.8/36

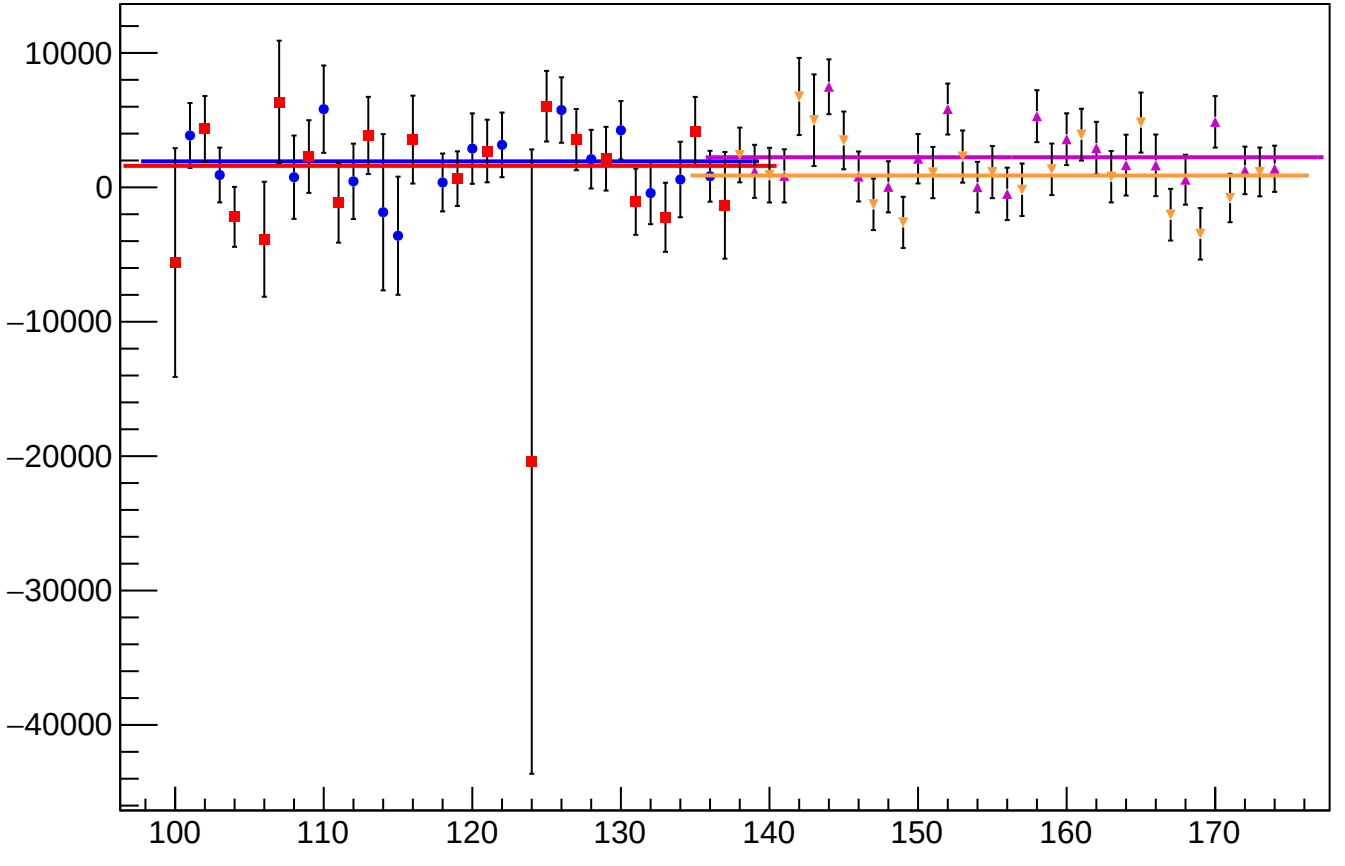
Right: 0.000+/-0.000 χ^2/NDF: 4888401.8/34

In: 0.000+/-0.000 χ^2/NDF:4510386.3/33

Out: 0.000+/-0.000 χ^2/NDF:5530244.1/37

All: 0.000+/-0.000 χ^2/NDF: 10215363.2/71

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.755+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.833+/-461.633 χ^2/NDF:27.1/18

Right Out: 1597.959+/-642.207 χ^2/NDF: 19.4/18

Left In: 2239.143+/-454.547 χ^2/NDF:22.7/17

Left: 1570.494+/-323.889 χ^2/NDF: 54.2/36

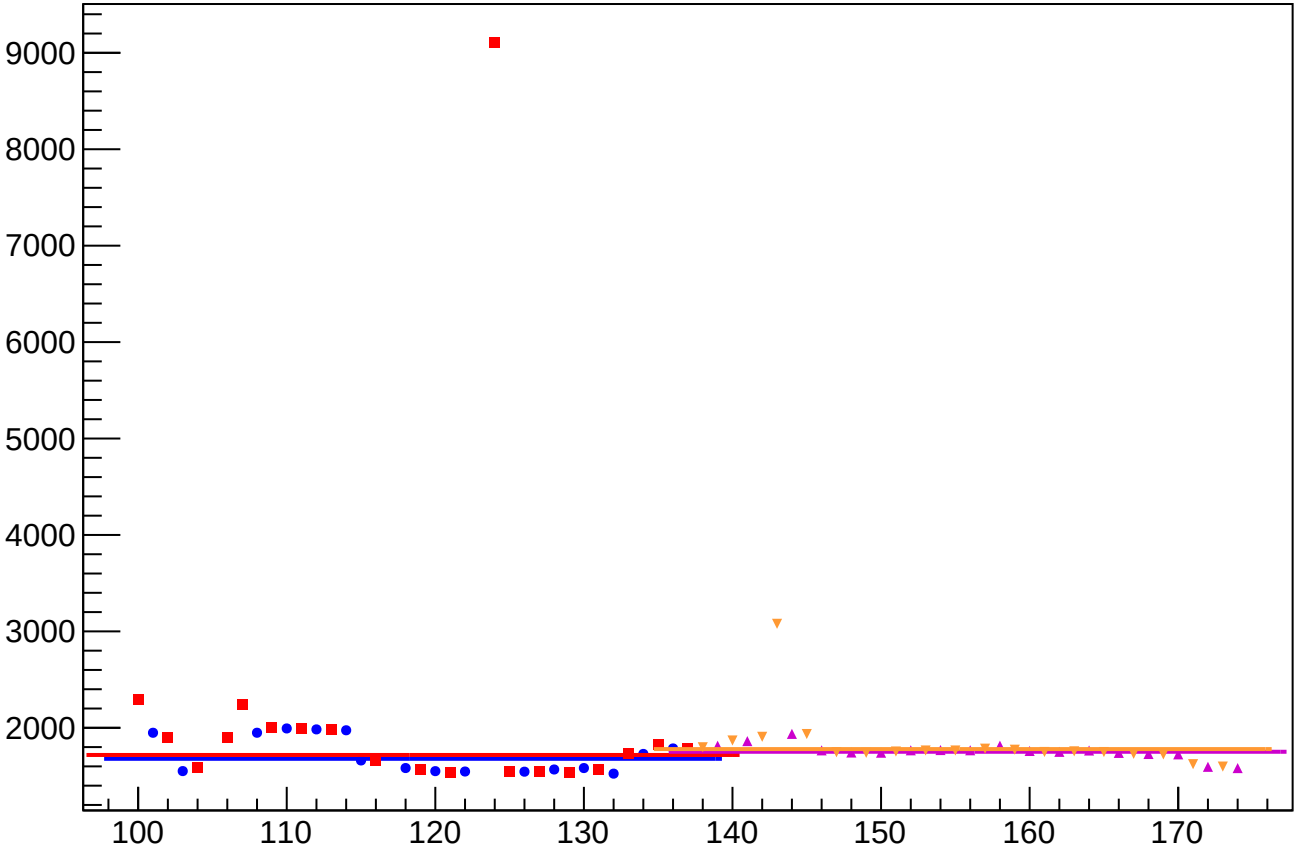
Right: 1770.157+/-448.956 χ^2/NDF: 30.4/34

In: 2134.472+/-368.190 χ^2/NDF:33.8/33

Out: 1125.141+/-374.840 χ^2/NDF:47.3/37

All: 1638.839+/-262.669 χ^2/NDF: 84.8/71

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.6/15

Left Out: 1779.343+/-0.326 χ^2/NDF:350462.2/18

Right Out: 1718.312+/-0.452 χ^2/NDF: 383179.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

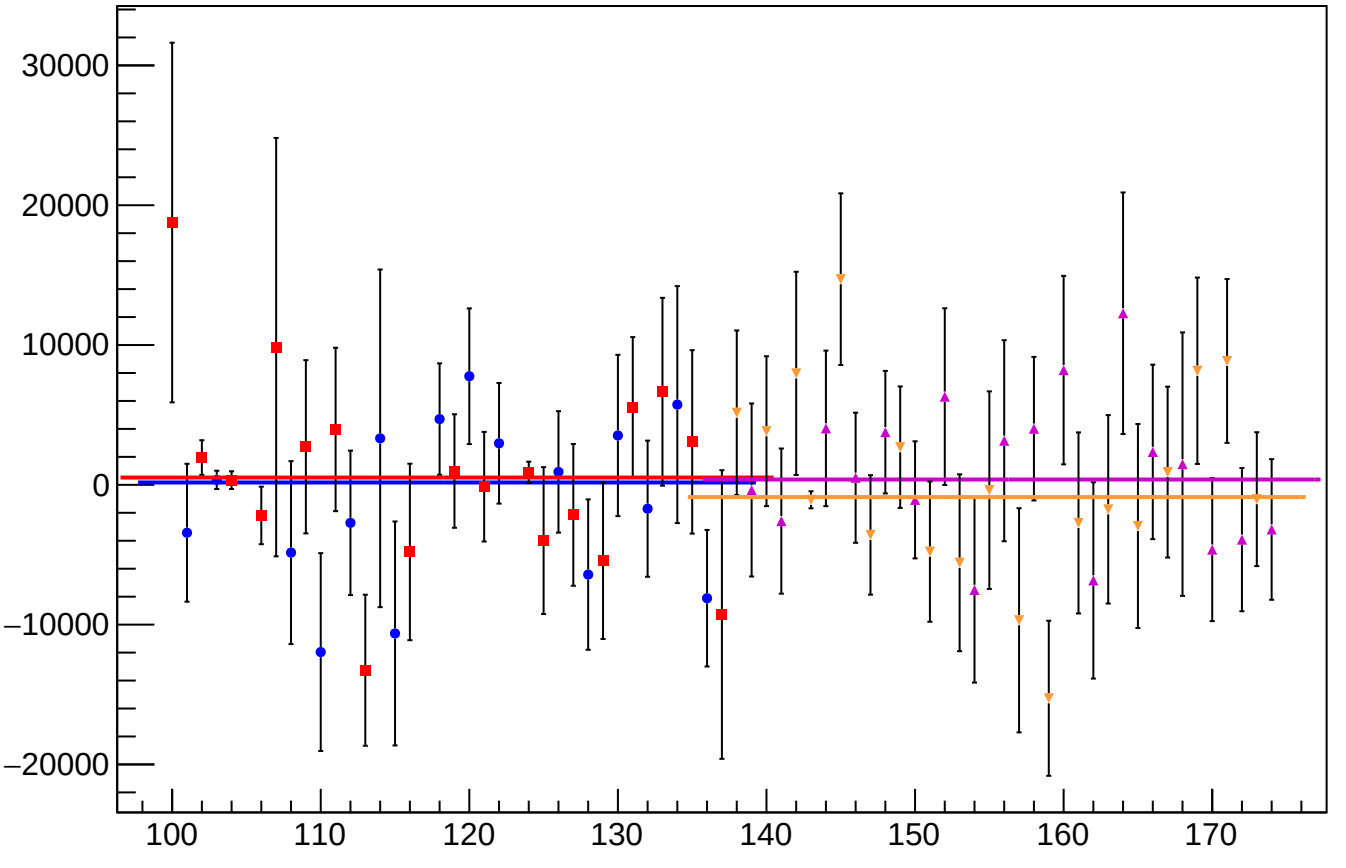
Left: 1765.235+/-0.229 χ^2/NDF: 417443.7/36

Right: 1698.073+/-0.317 χ^2/NDF: 528602.3/34

In: 1726.449+/-0.260 χ^2/NDF:222530.2/33

Out: 1758.421+/-0.265 χ^2/NDF:745625.1/37

All: 1742.175+/-0.186 χ^2/NDF: 975573.0/71



Right In: 168.283+/-591.607 χ^2/NDF: 15.8/15

Left Out: -876.447+/-557.239 χ^2/NDF:24.9/18

Right Out: 521.080+/-424.783 χ^2/NDF: 18.5/18

Left In: 379.679+/-1331.354 χ^2/NDF:11.0/17

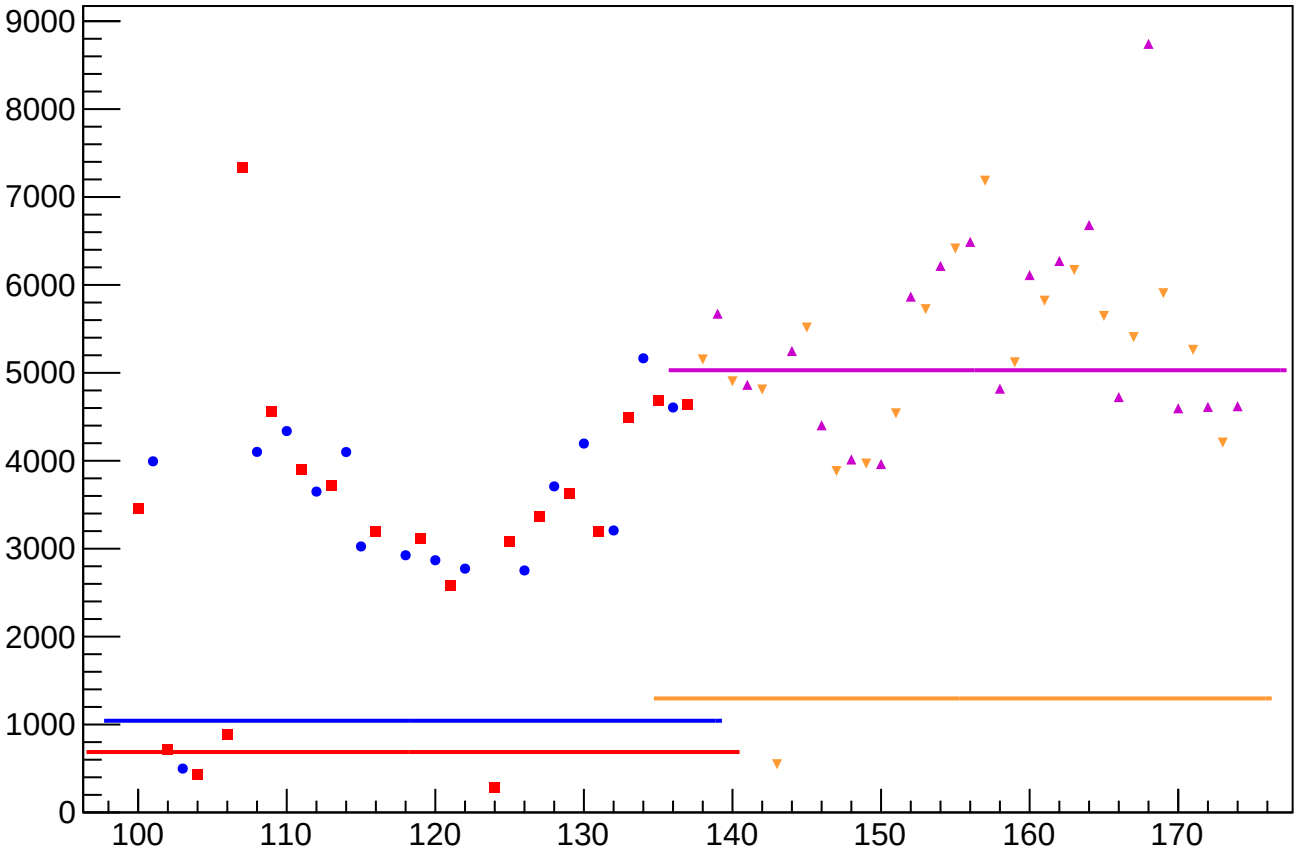
Left: -689.197+/-514.030 χ^2/NDF: 36.7/36

Right: 401.068+/-345.050 χ^2/NDF: 34.6/34

In: 203.142+/-540.633 χ^2/NDF:26.9/33

Out: 7.448+/-337.821 χ^2/NDF:47.4/37

All: 62.401+/-286.490 χ^2/NDF: 74.4/71



Right In: 1043.117+/-0.418 χ^2/NDF: 8111897.6/15

Left Out: 1296.899+/-0.394 χ^2/NDF:18815786.4/18

Right Out: 687.329+/-0.300 χ^2/NDF: 8631529.6/18

Left In: 5029.830+/-0.941 χ^2/NDF:1028083.7/17

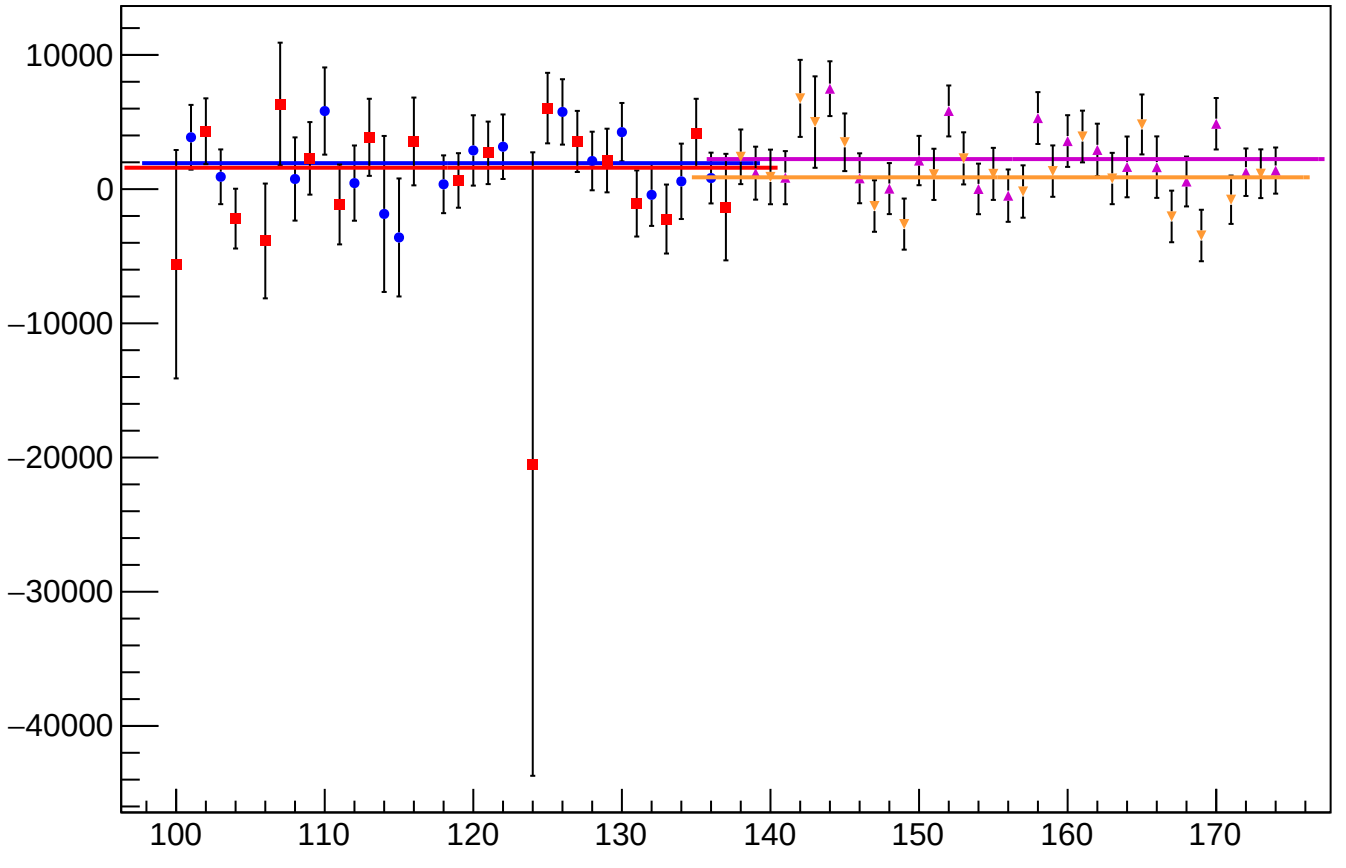
Left: 1853.366+/-0.363 χ^2/NDF: 33223269.1/36

Right: 808.358+/-0.244 χ^2/NDF: 17220710.7/34

In: 1700.522+/-0.382 χ^2/NDF:24116526.2/33

Out: 911.364+/-0.239 χ^2/NDF:28960998.0/37

All: 1132.967+/-0.203 χ^2/NDF: 56142282.3/7



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.829+/-461.633 χ^2/NDF:27.1/18

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2239.210+/-454.547 χ^2/NDF:22.7/17

Left: 1570.526+/-323.889 χ^2/NDF: 54.2/36

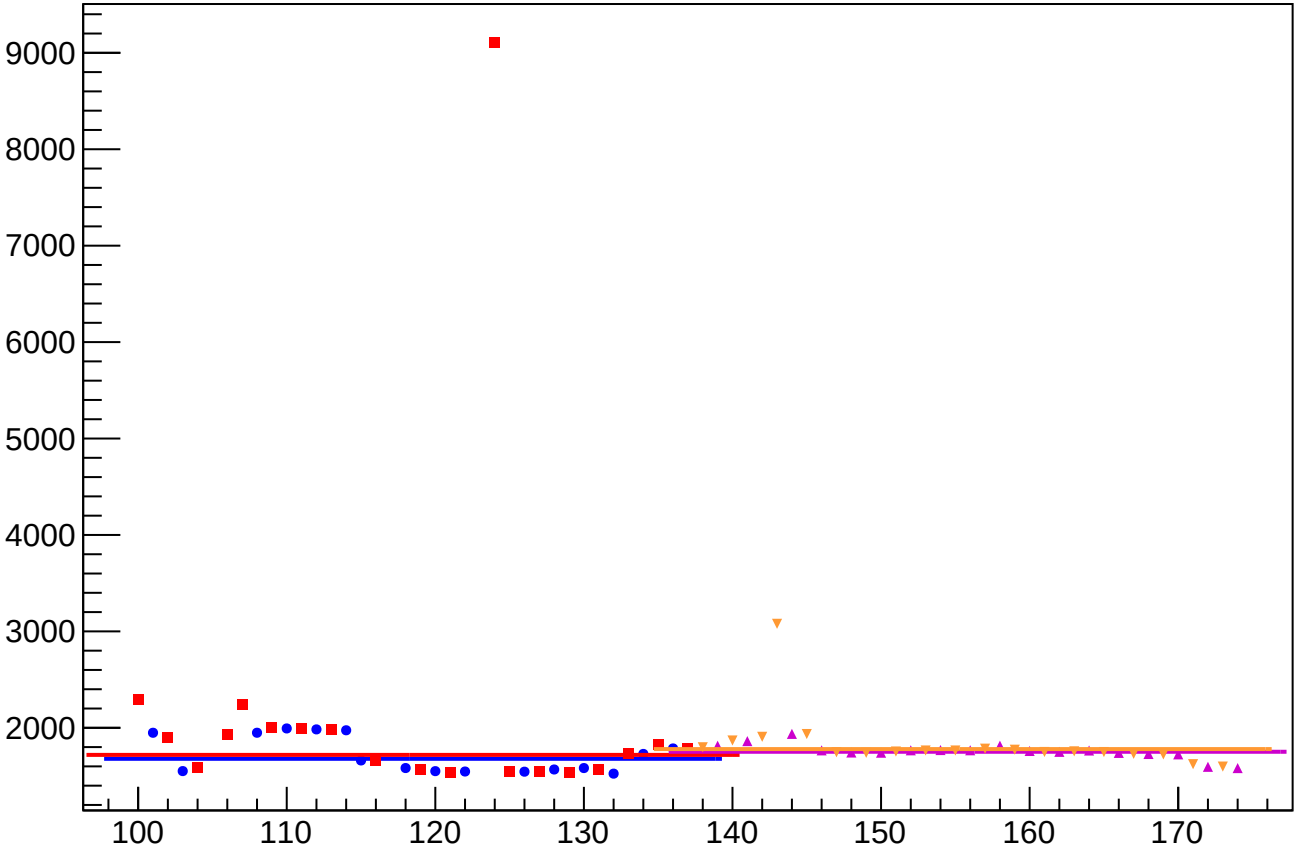
Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2134.556+/-368.190 χ^2/NDF:33.8/33

Out: 1124.306+/-374.841 χ^2/NDF:47.3/37

All: 1638.473+/-262.670 χ^2/NDF: 84.7/71

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1779.343+/-0.326 χ^2/NDF:350462.2/18

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

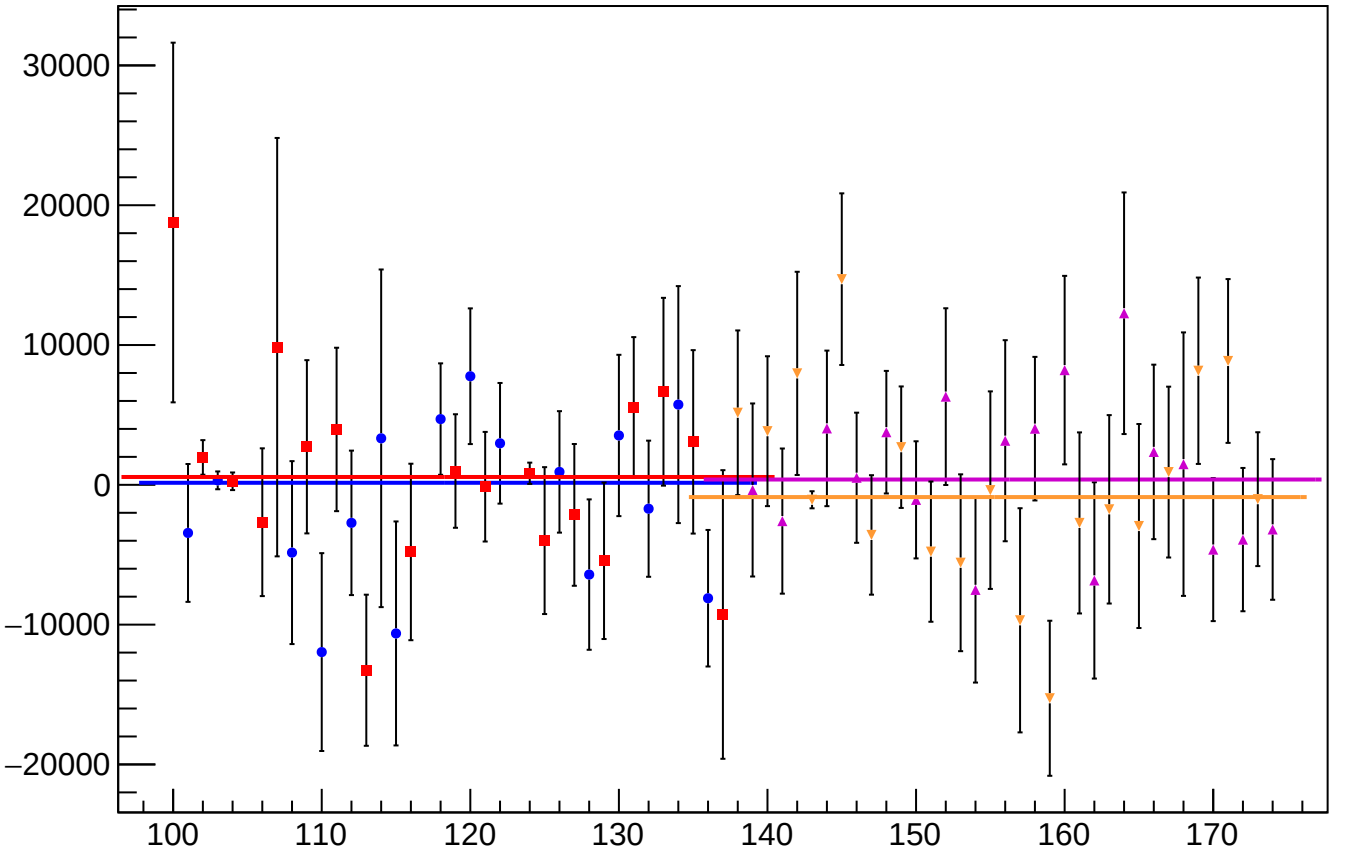
Left: 1765.235+/-0.229 χ^2/NDF: 417443.7/36

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1726.449+/-0.260 χ^2/NDF:222530.4/33

Out: 1758.721+/-0.265 χ^2/NDF:747035.2/37

All: 1742.319+/-0.186 χ^2/NDF: 977121.5/71



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -876.118+/-557.220 χ^2/NDF:24.9/18

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 379.785+/-1331.354 χ^2/NDF:11.0/17

Left: -688.912+/-514.015 χ^2/NDF: 36.7/36

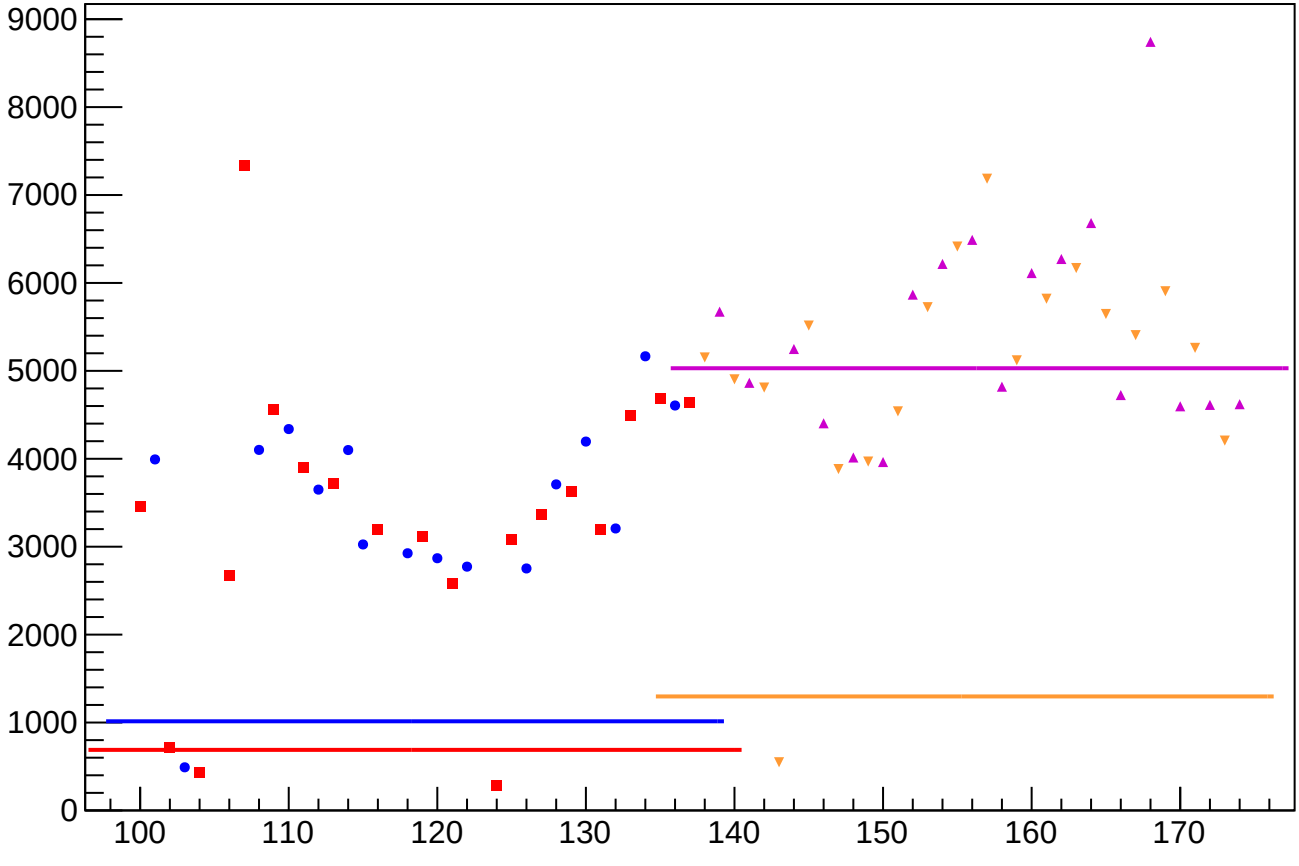
Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 183.683+/-531.236 χ^2/NDF:26.9/33

Out: 23.925+/-340.732 χ^2/NDF:46.3/37

All: 70.491+/-286.807 χ^2/NDF: 73.2/71

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1296.829+/-0.394 χ^2/NDF:18816221.4/18

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5029.826+/-0.941 χ^2/NDF:1028102.5/17

Left: 1853.273+/-0.363 χ^2/NDF: 33224344.3/36

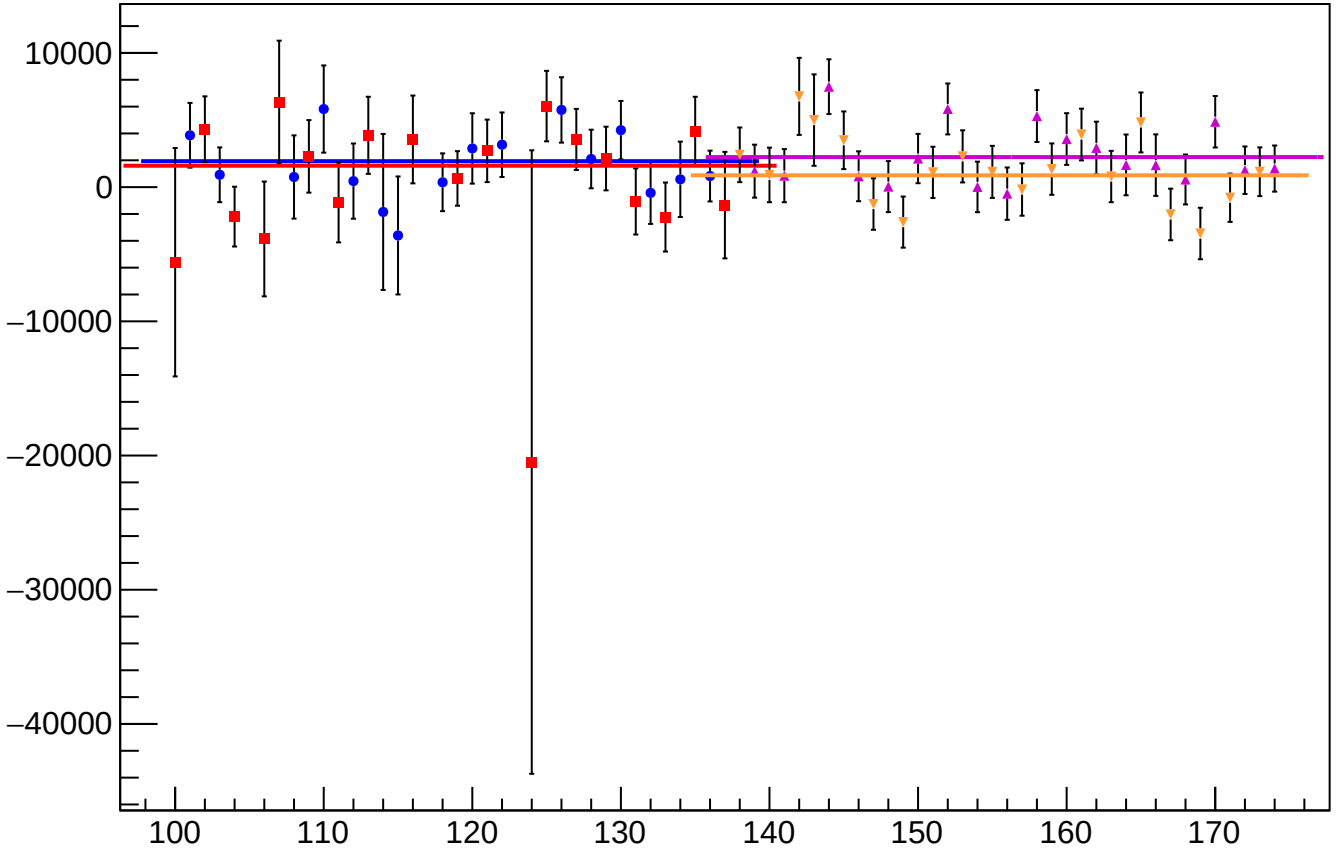
Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1653.466+/-0.376 χ^2/NDF:24549890.6/33

Out: 916.310+/-0.241 χ^2/NDF:29216275.9/37

All: 1131.174+/-0.203 χ^2/NDF: 56494687.2/7

eigen_cor_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1934.871+/-627.874 χ^2/NDF: 10.9/15

Left Out: 880.829+/-461.633 χ^2/NDF:27.1/18

Right Out: 1595.521+/-642.212 χ^2/NDF: 19.4/18

Left In: 2239.210+/-454.547 χ^2/NDF:22.7/17

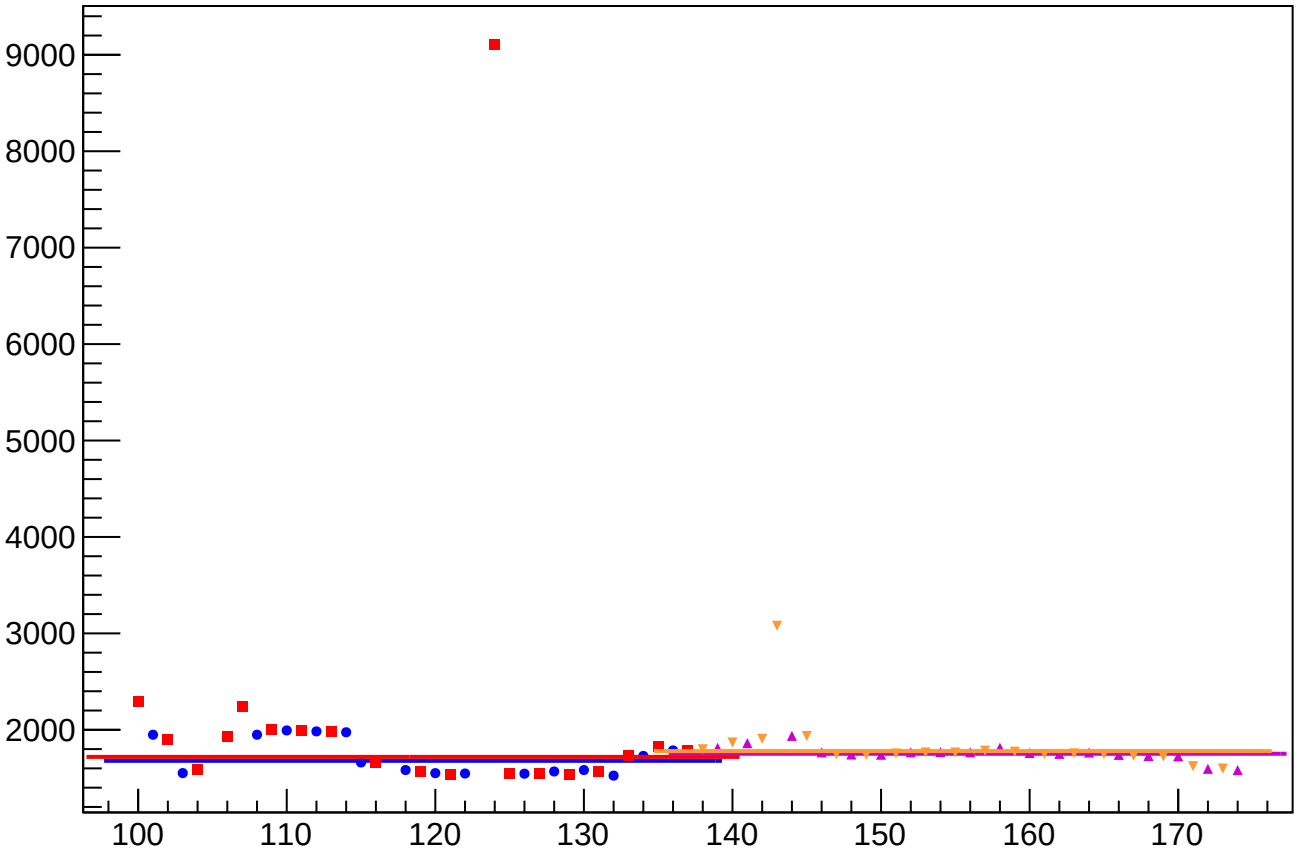
Left: 1570.526+/-323.889 χ^2/NDF: 54.2/36

Right: 1769.026+/-448.957 χ^2/NDF: 30.4/34

In: 2134.556+/-368.190 χ^2/NDF:33.8/33

Out: 1124.306+/-374.841 χ^2/NDF:47.3/37

All: 1638.473+/-262.670 χ^2/NDF: 84.7/71



Right In: 1678.543+/-0.444 χ^2/NDF: 141482.7/15

Left Out: 1779.343+/-0.326 χ^2/NDF:350462.2/18

Right Out: 1719.146+/-0.452 χ^2/NDF: 384922.3/18

Left In: 1751.557+/-0.321 χ^2/NDF:63302.4/17

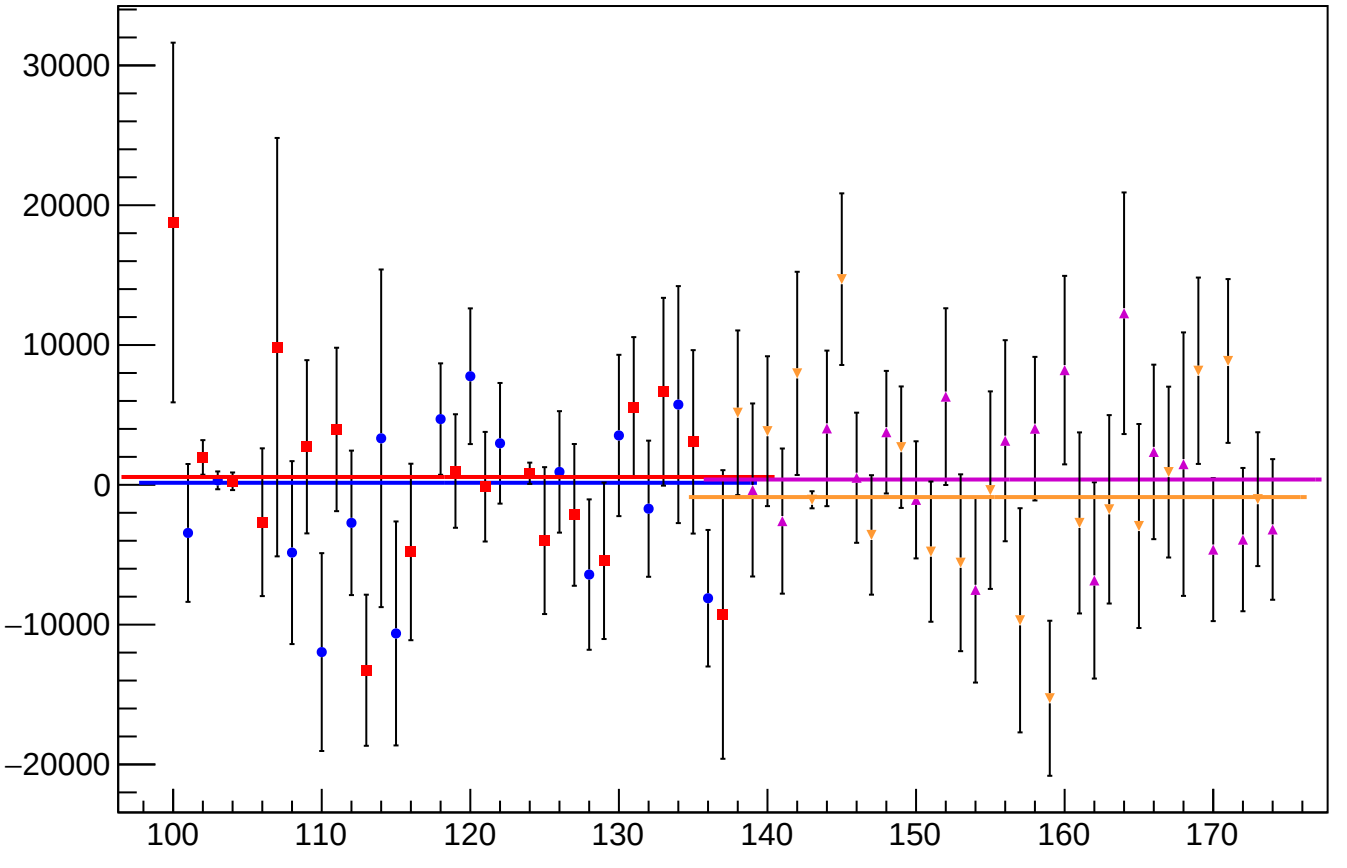
Left: 1765.235+/-0.229 χ^2/NDF: 417443.7/36

Right: 1698.473+/-0.317 χ^2/NDF: 530510.4/34

In: 1726.449+/-0.260 χ^2/NDF:222530.4/33

Out: 1758.721+/-0.265 χ^2/NDF:747035.2/37

All: 1742.319+/-0.186 χ^2/NDF: 977121.5/71



Right In: 146.548+/-579.356 χ^2/NDF: 15.8/15

Left Out: -876.118+/-557.220 χ^2/NDF:24.9/18

Right Out: 561.454+/-430.621 χ^2/NDF: 17.2/18

Left In: 379.785+/-1331.354 χ^2/NDF:11.0/17

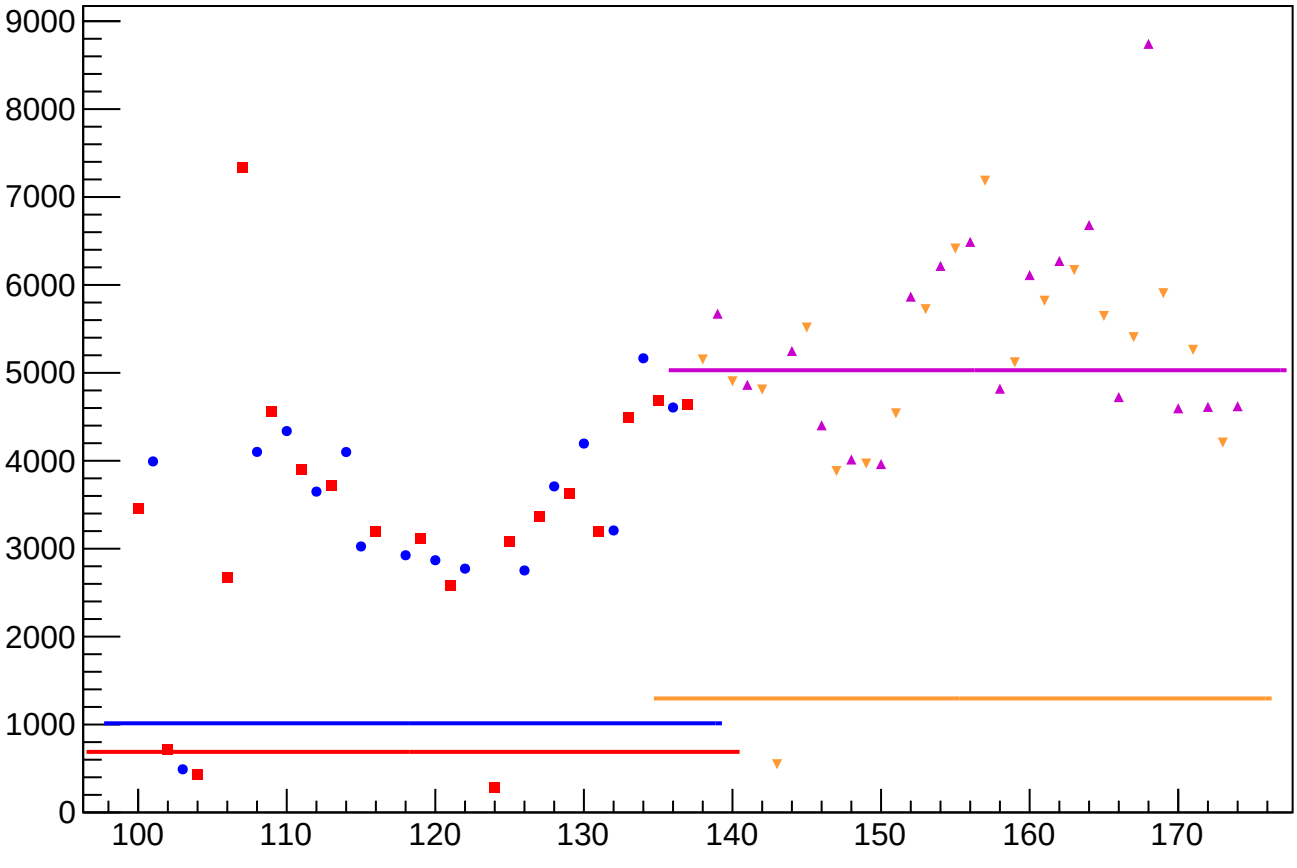
Left: -688.912+/-514.015 χ^2/NDF: 36.7/36

Right: 413.806+/-345.609 χ^2/NDF: 33.3/34

In: 183.683+/-531.236 χ^2/NDF:26.9/33

Out: 23.925+/-340.732 χ^2/NDF:46.3/37

All: 70.491+/-286.807 χ^2/NDF: 73.2/71



Right In: 1014.094+/-0.410 χ^2/NDF: 8223017.6/15

Left Out: 1296.829+/-0.394 χ^2/NDF:18816221.4/18

Right Out: 689.055+/-0.304 χ^2/NDF: 8910364.4/18

Left In: 5029.826+/-0.941 χ^2/NDF:1028102.5/17

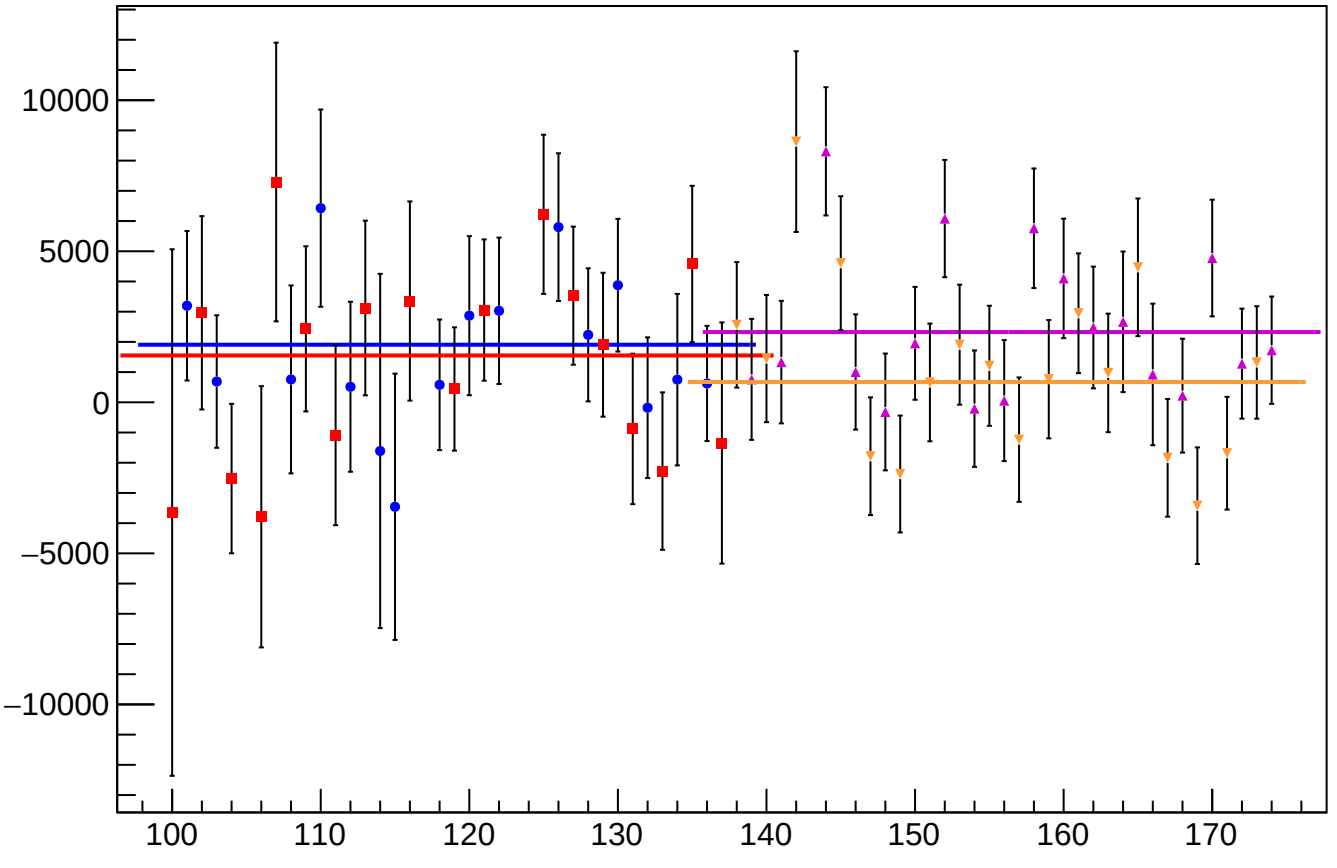
Left: 1853.273+/-0.363 χ^2/NDF: 33224344.3/36

Right: 804.723+/-0.244 χ^2/NDF: 17538883.1/34

In: 1653.466+/-0.376 χ^2/NDF:24549890.6/33

Out: 916.310+/-0.241 χ^2/NDF:29216275.9/37

All: 1131.174+/-0.203 χ^2/NDF: 56494687.2/7



Right In: 1906.205+/-636.433 χ^2/NDF: 10.2/15

Left Out: 671.550+/-477.565 χ^2/NDF:28.6/17

Right Out: 1550.986+/-661.054 χ^2/NDF: 17.5/17

Left In: 2325.473+/-465.185 χ^2/NDF:25.5/17

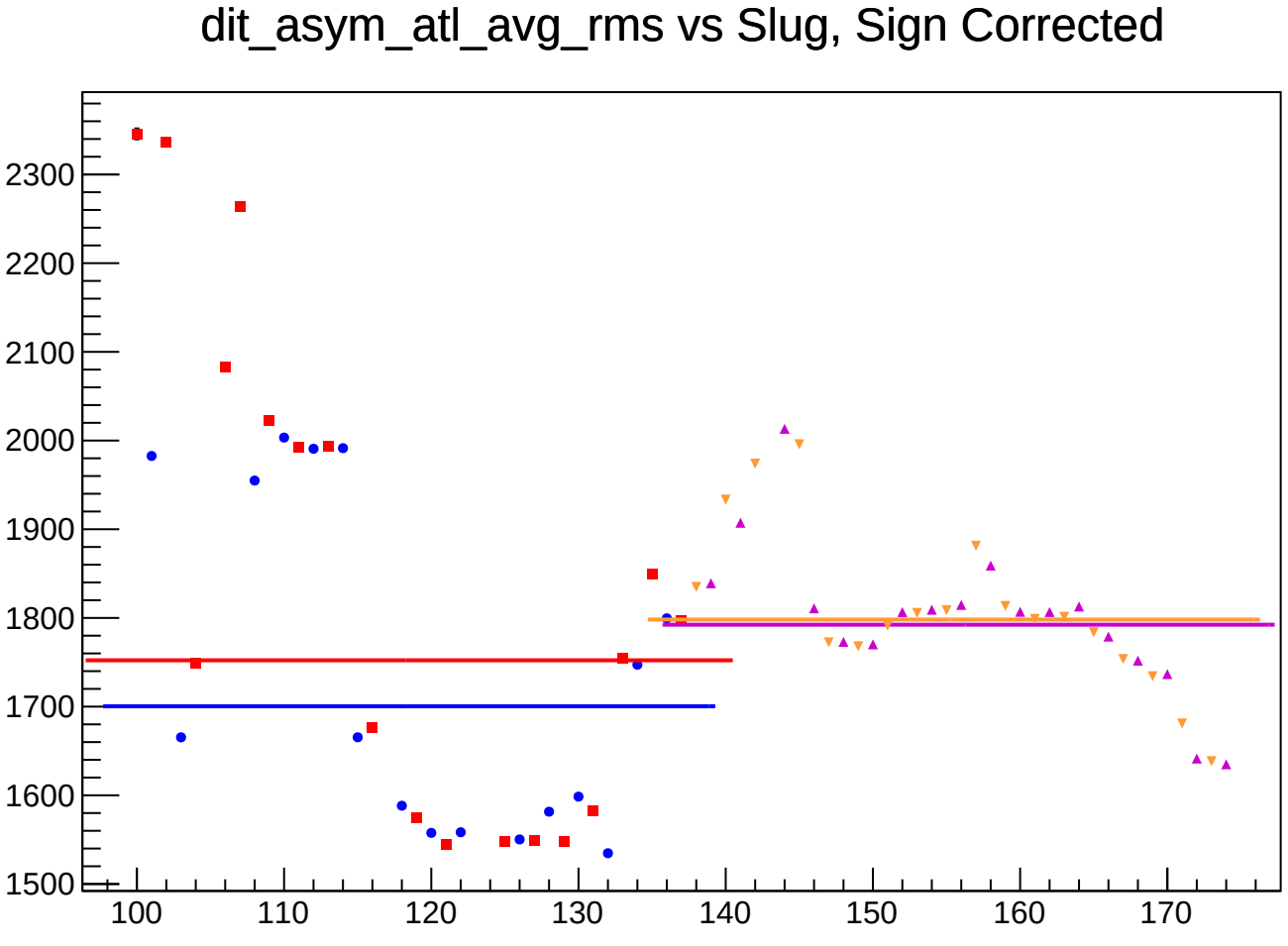
Left: 1520.227+/-333.226 χ^2/NDF: 60.2/35

Right: 1735.334+/-458.483 χ^2/NDF: 27.8/33

In: 2179.477+/-375.558 χ^2/NDF:36.0/33

Out: 973.134+/-387.114 χ^2/NDF:47.2/35

All: 1594.579+/-269.552 χ^2/NDF: 88.2/69



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.2/15

Left Out: 1798.176+/-0.338 χ^2/NDF:61952.7/17

Right Out: 1752.239+/-0.466 χ^2/NDF: 247952.8/17

Left In: 1792.384+/-0.329 χ^2/NDF:65108.3/17

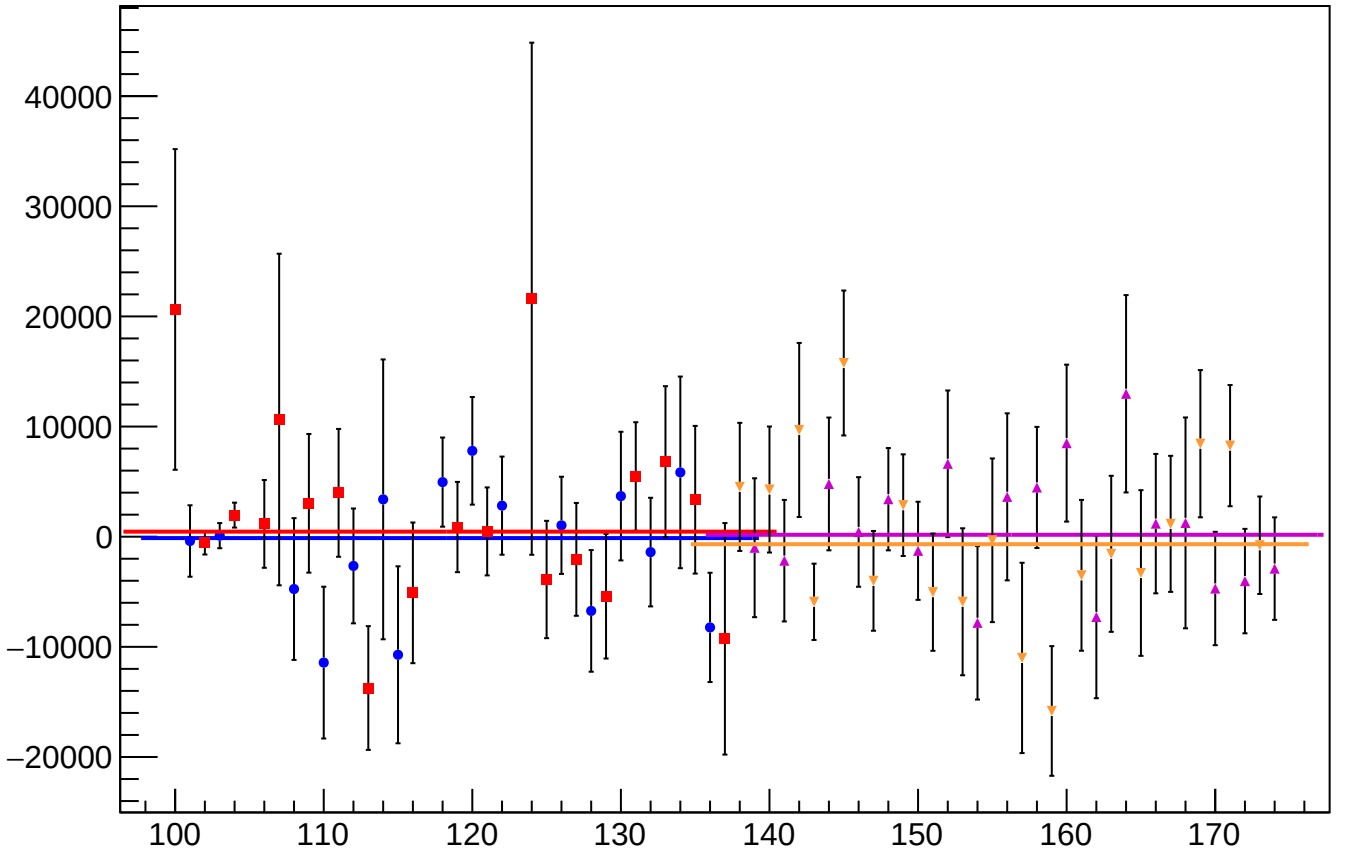
Left: 1795.204+/-0.236 χ^2/NDF: 127212.0/35

Right: 1725.373+/-0.324 χ^2/NDF: 389780.4/33

In: 1760.338+/-0.266 χ^2/NDF:227783.0/33

Out: 1782.375+/-0.274 χ^2/NDF:316270.4/35

All: 1771.032+/-0.191 χ^2/NDF: 547394.9/69



Right In: -125.468+/-867.645 χ^2/NDF: 15.1/15

Left Out: -681.032+/-1304.059 χ^2/NDF:27.2/18

Right Out: 459.431+/-679.157 χ^2/NDF: 18.5/18

Left In: 174.381+/-1372.091 χ^2/NDF:11.1/17

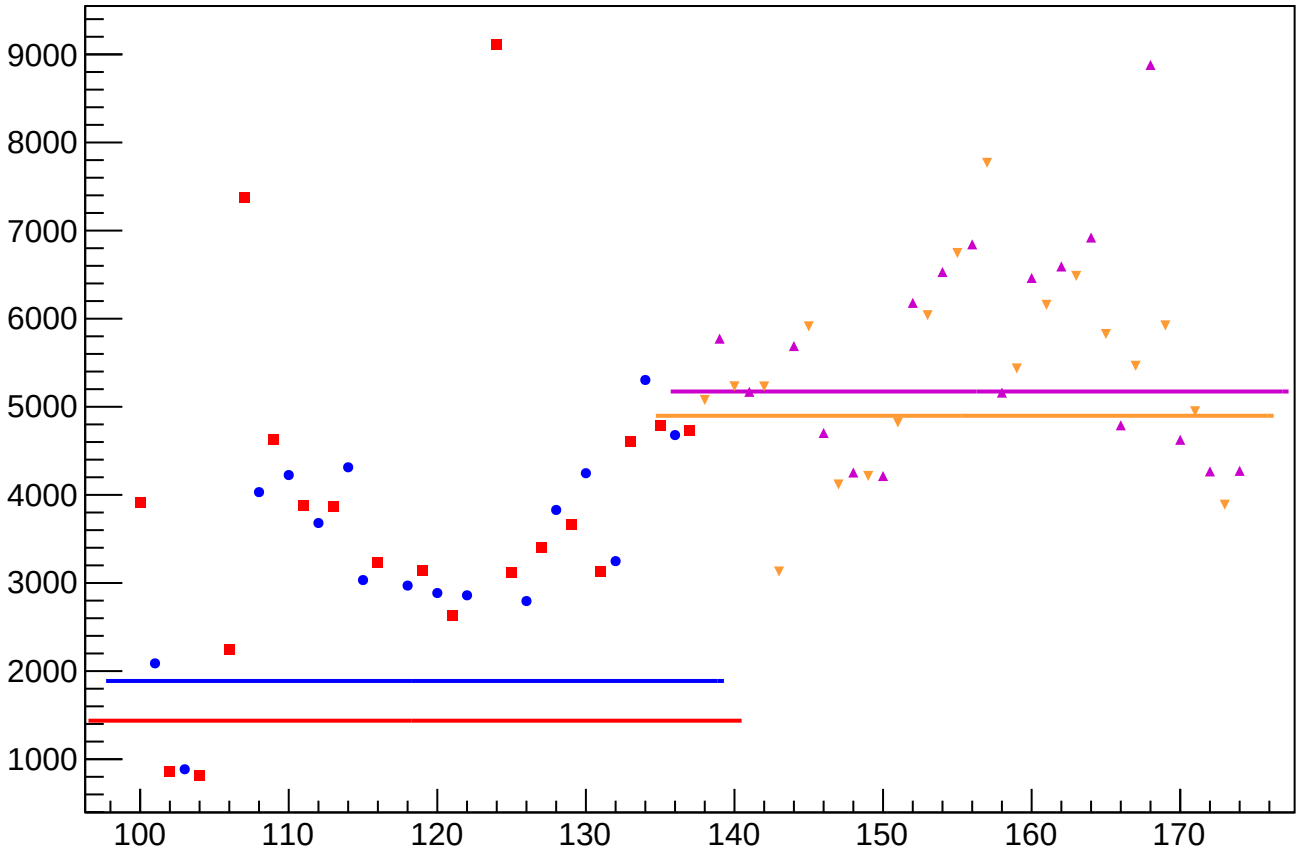
Left: -275.058+/-945.245 χ^2/NDF: 38.4/36

Right: 237.213+/-534.800 χ^2/NDF: 33.9/34

In: -39.817+/-733.328 χ^2/NDF:26.2/33

Out: 216.098+/-602.361 χ^2/NDF:46.3/37

All: 112.995+/-465.465 χ^2/NDF: 72.5/71



Right In: 1887.999+/-0.614 χ^2/NDF: 4425691.6/15

Left Out: 4898.132+/-0.922 χ^2/NDF:1470782.2/18

Right Out: 1437.108+/-0.480 χ^2/NDF: 5964193.5/18

Left In: 5173.564+/-0.970 χ^2/NDF:1134000.6/17

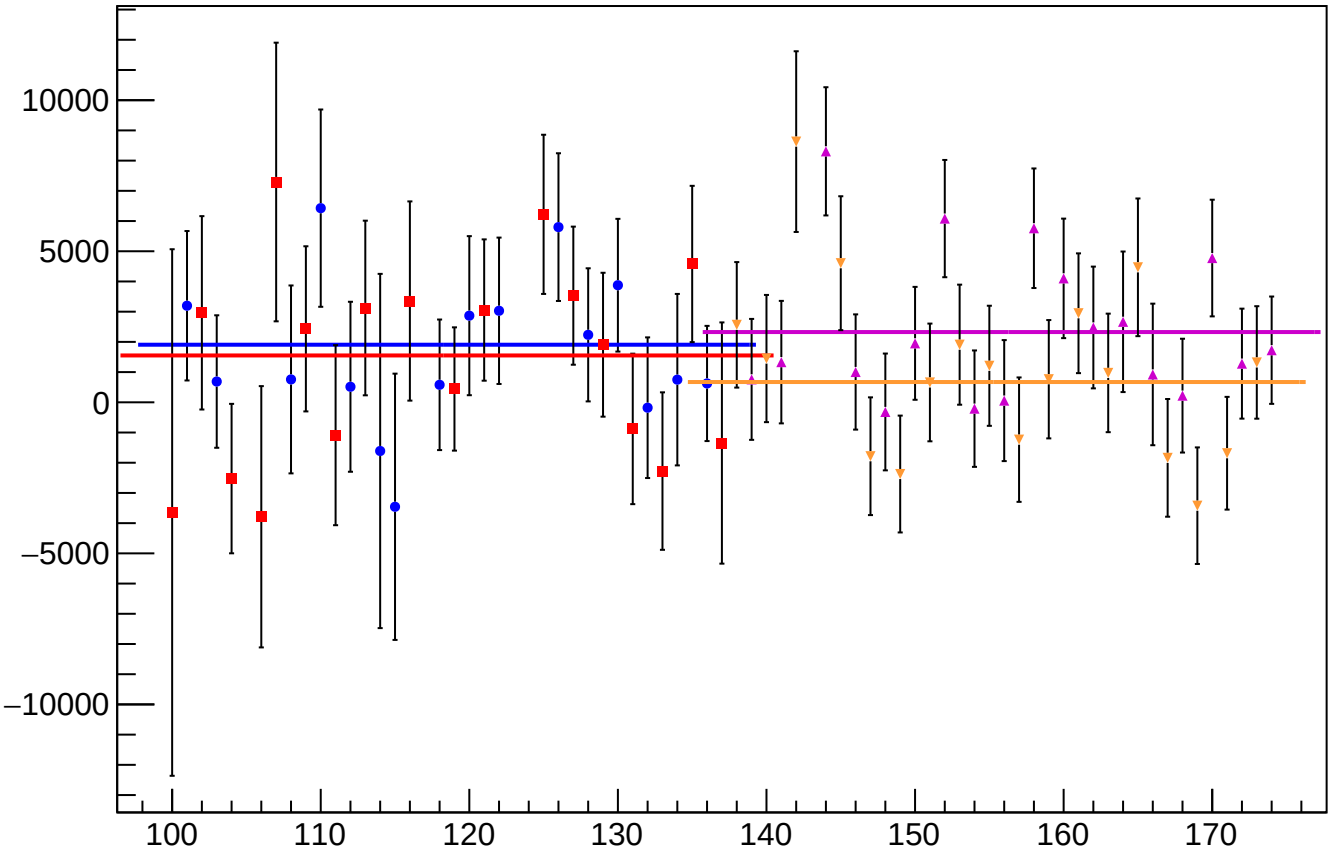
Left: 5028.851+/-0.668 χ^2/NDF: 2647126.5/36

Right: 1608.413+/-0.378 χ^2/NDF: 10724797.8/34

In: 2826.513+/-0.519 χ^2/NDF:13751819.3/33

Out: 2175.564+/-0.426 χ^2/NDF:18516992.3/37

All: 2437.819+/-0.329 χ^2/NDF: 33209807.2/7



Right In: 1906.203+/-636.433 χ^2/NDF: 10.2/15

Left Out: 671.548+/-477.565 χ^2/NDF:28.6/17

Right Out: 1550.983+/-661.054 χ^2/NDF: 17.5/17

Left In: 2325.473+/-465.185 χ^2/NDF:25.5/17

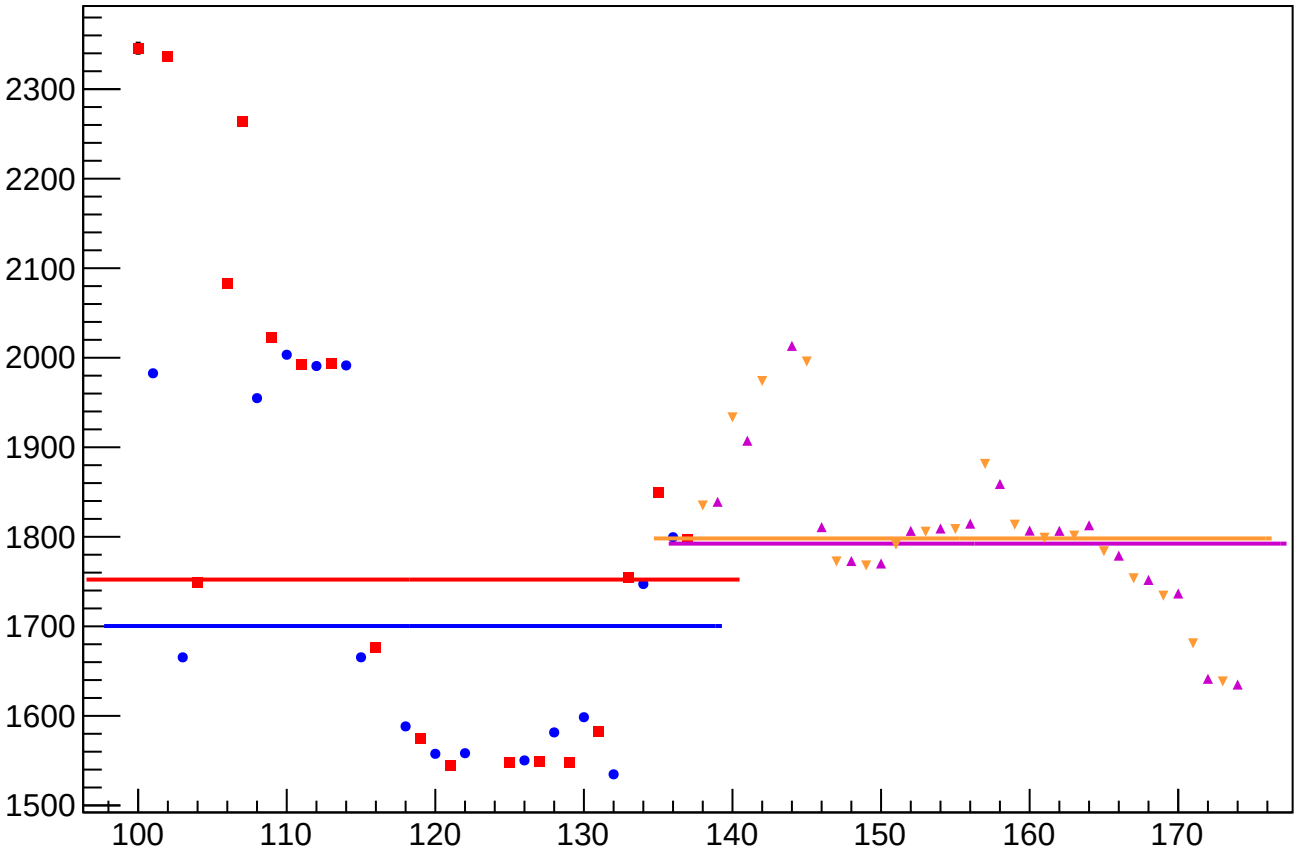
Left: 1520.226+/-333.226 χ^2/NDF: 60.2/35

Right: 1735.331+/-458.483 χ^2/NDF: 27.8/33

In: 2179.476+/-375.558 χ^2/NDF:36.0/33

Out: 973.131+/-387.114 χ^2/NDF:47.2/35

All: 1594.578+/-269.552 χ^2/NDF: 88.2/69



Right In: 1700.357+/-0.450 χ^2/NDF: 135419.5/15

Left Out: 1798.176+/-0.338 χ^2/NDF:61955.0/17

Right Out: 1752.238+/-0.466 χ^2/NDF: 247952.3/17

Left In: 1792.384+/-0.329 χ^2/NDF:65110.5/17

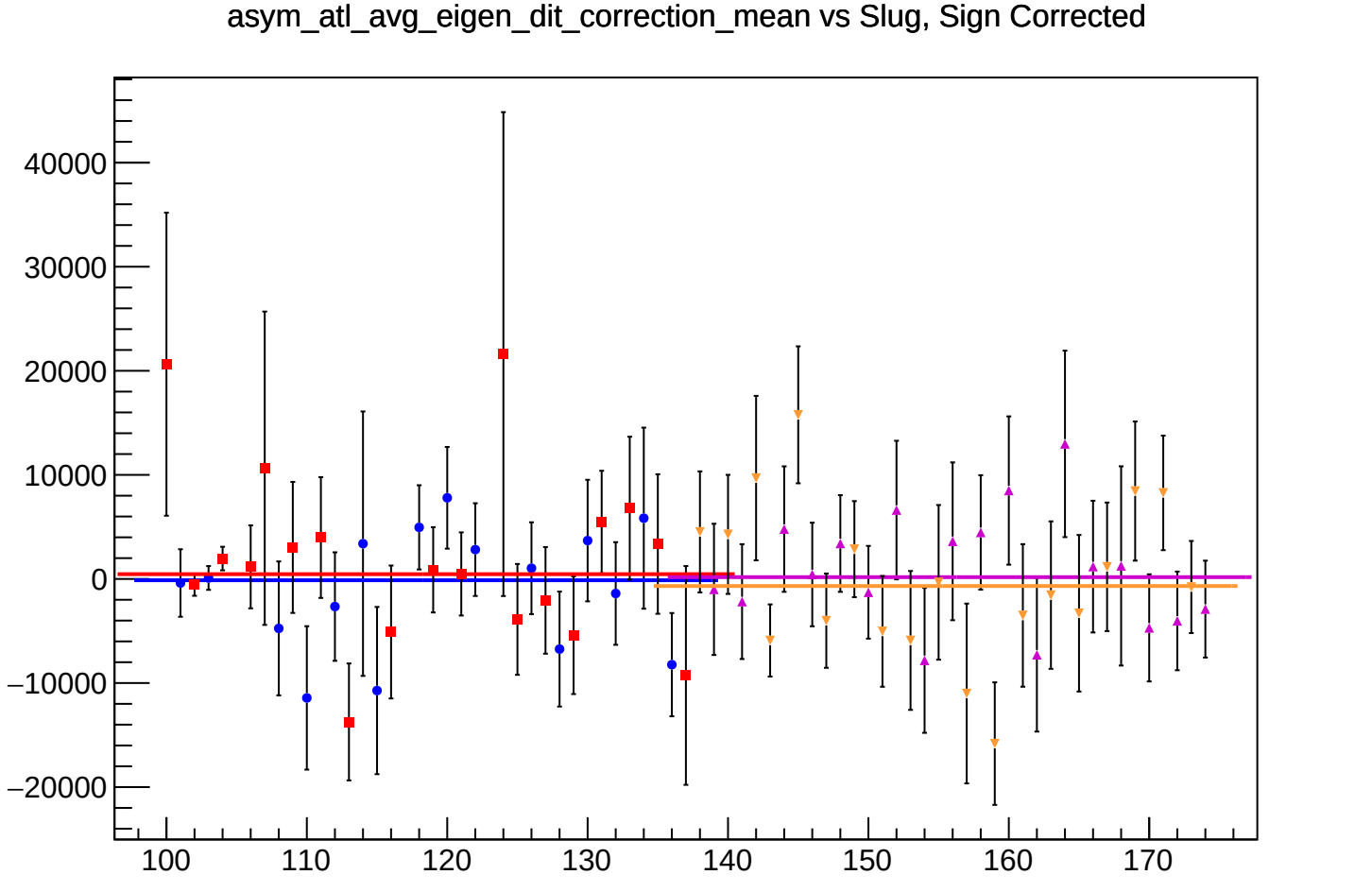
Left: 1795.204+/-0.236 χ^2/NDF: 127216.5/35

Right: 1725.372+/-0.324 χ^2/NDF: 389780.1/33

In: 1760.339+/-0.266 χ^2/NDF:227785.9/33

Out: 1782.375+/-0.274 χ^2/NDF:316272.5/35

All: 1771.032+/-0.191 χ^2/NDF: 547399.8/69



Right In: -125.464+/-867.639 χ^2/NDF: 15.1/15

Left Out: -681.037+/-1304.061 χ^2/NDF:27.2/18

Right Out: 459.430+/-679.152 χ^2/NDF: 18.5/18

Left In: 174.381+/-1372.094 χ^2/NDF:11.1/17

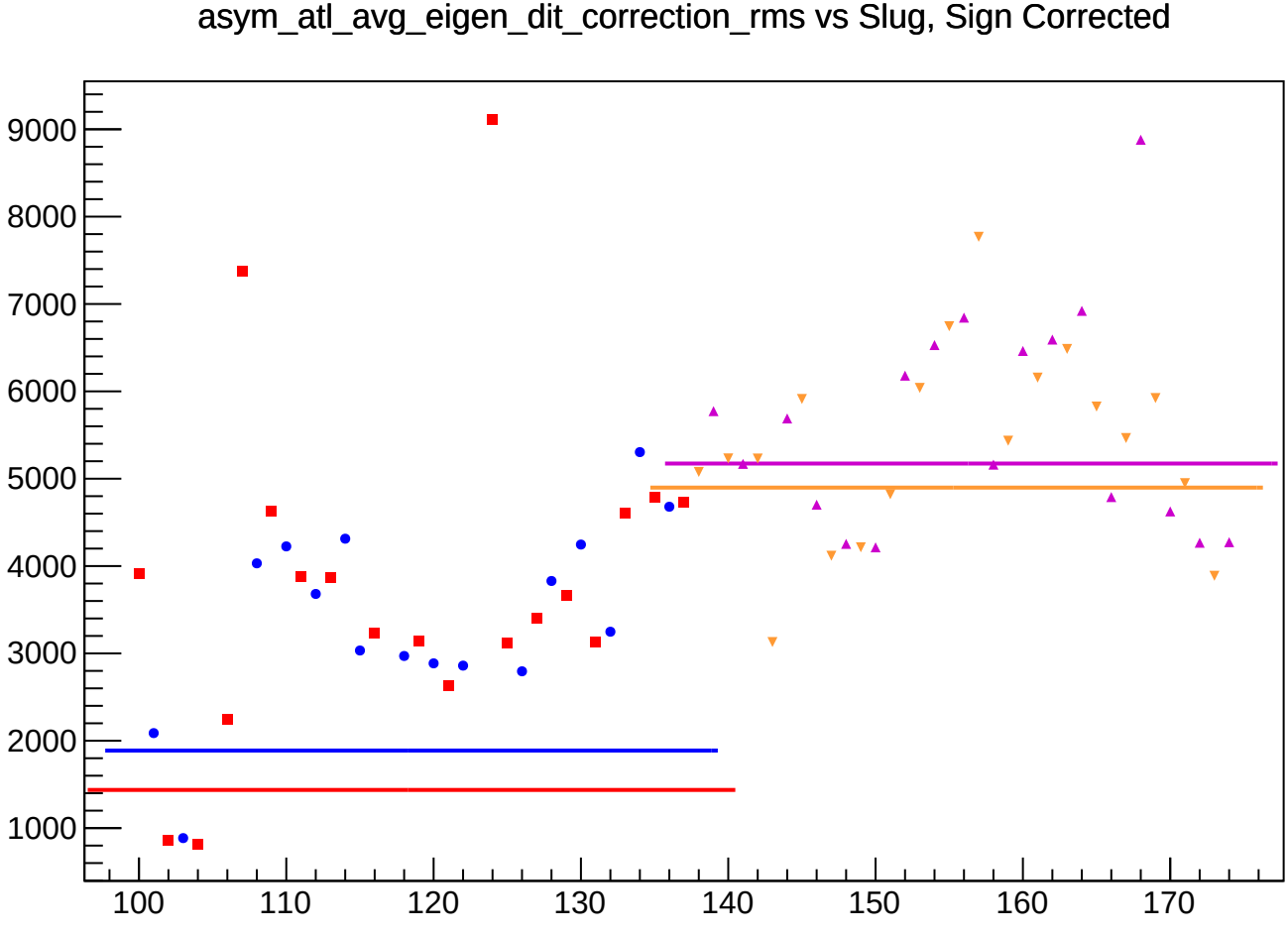
Left: -275.060+/-945.247 χ^2/NDF: 38.4/36

Right: 237.214+/-534.797 χ^2/NDF: 33.9/34

In: -39.815+/-733.325 χ^2/NDF:26.2/33

Out: 216.099+/-602.358 χ^2/NDF:46.3/37

All: 112.996+/-465.463 χ^2/NDF: 72.5/71



Right In: 1887.982+/-0.614 χ^2/NDF: 4425728.6/15

Left Out: 4898.139+/-0.922 χ^2/NDF:1470787.4/18

Right Out: 1437.095+/-0.480 χ^2/NDF: 5964228.2/18

Left In: 5173.573+/-0.970 χ^2/NDF:1134001.0/17

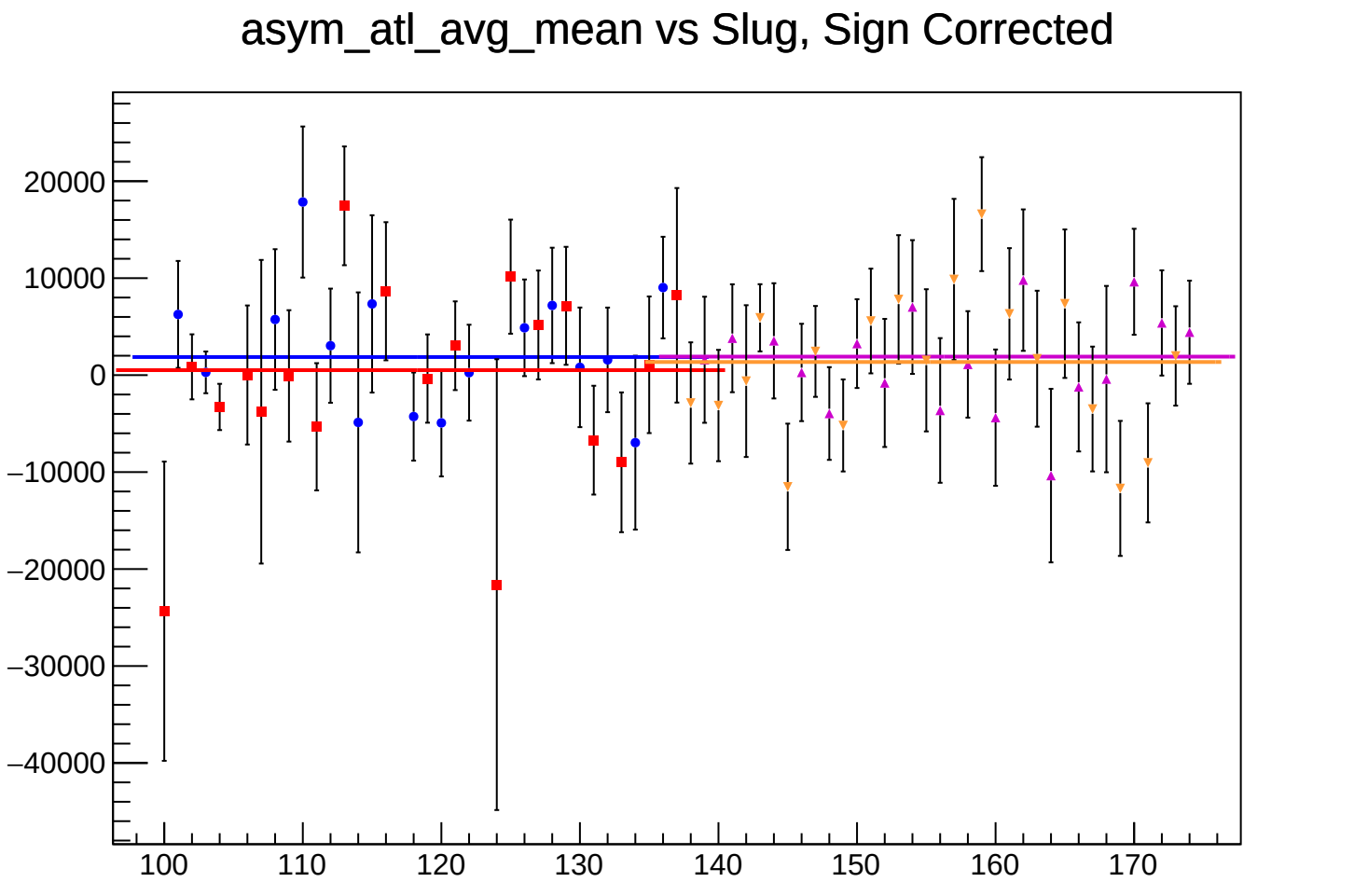
Left: 5028.858+/-0.668 χ^2/NDF: 2647132.4/36

Right: 1608.398+/-0.378 χ^2/NDF: 10724869.8/34

In: 2826.492+/-0.519 χ^2/NDF:13751992.0/33

Out: 2175.544+/-0.426 χ^2/NDF:18517171.9/37

All: 2437.799+/-0.329 χ^2/NDF: 33210166.5/7



Right In: 1866.618+/-1259.187 χ^2/NDF: 13.8/15

Left Out: 1352.990+/-1340.224 χ^2/NDF:26.2/18

Right Out: 512.528+/-1241.513 χ^2/NDF: 24.7/18

Left In: 1905.382+/-1416.737 χ^2/NDF:9.9/17

Left: 1613.868+/-973.607 χ^2/NDF: 36.2/36

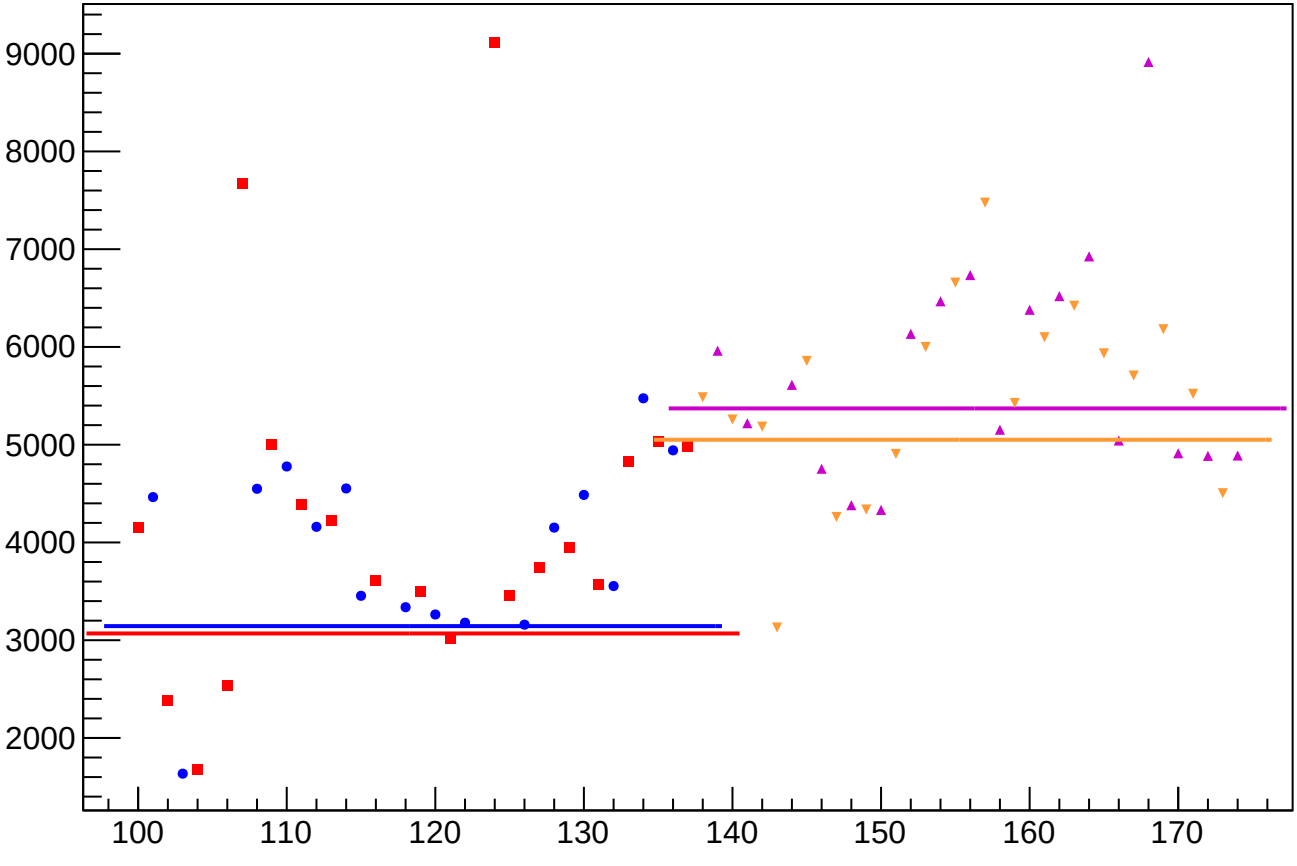
Right: 1180.003+/-884.065 χ^2/NDF: 39.1/34

In: 1883.726+/-941.173 χ^2/NDF:23.7/33

Out: 900.672+/-910.782 χ^2/NDF:51.1/37

All: 1376.071+/-654.501 χ^2/NDF: 75.4/71

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3144.136+/-0.890 χ^2/NDF: 1883139.2/15

Left Out: 5050.634+/-0.948 χ^2/NDF:1336717.6/18

Right Out: 3069.098+/-0.864 χ^2/NDF: 1881644.6/18

Left In: 5371.126+/-1.002 χ^2/NDF:862011.6/17

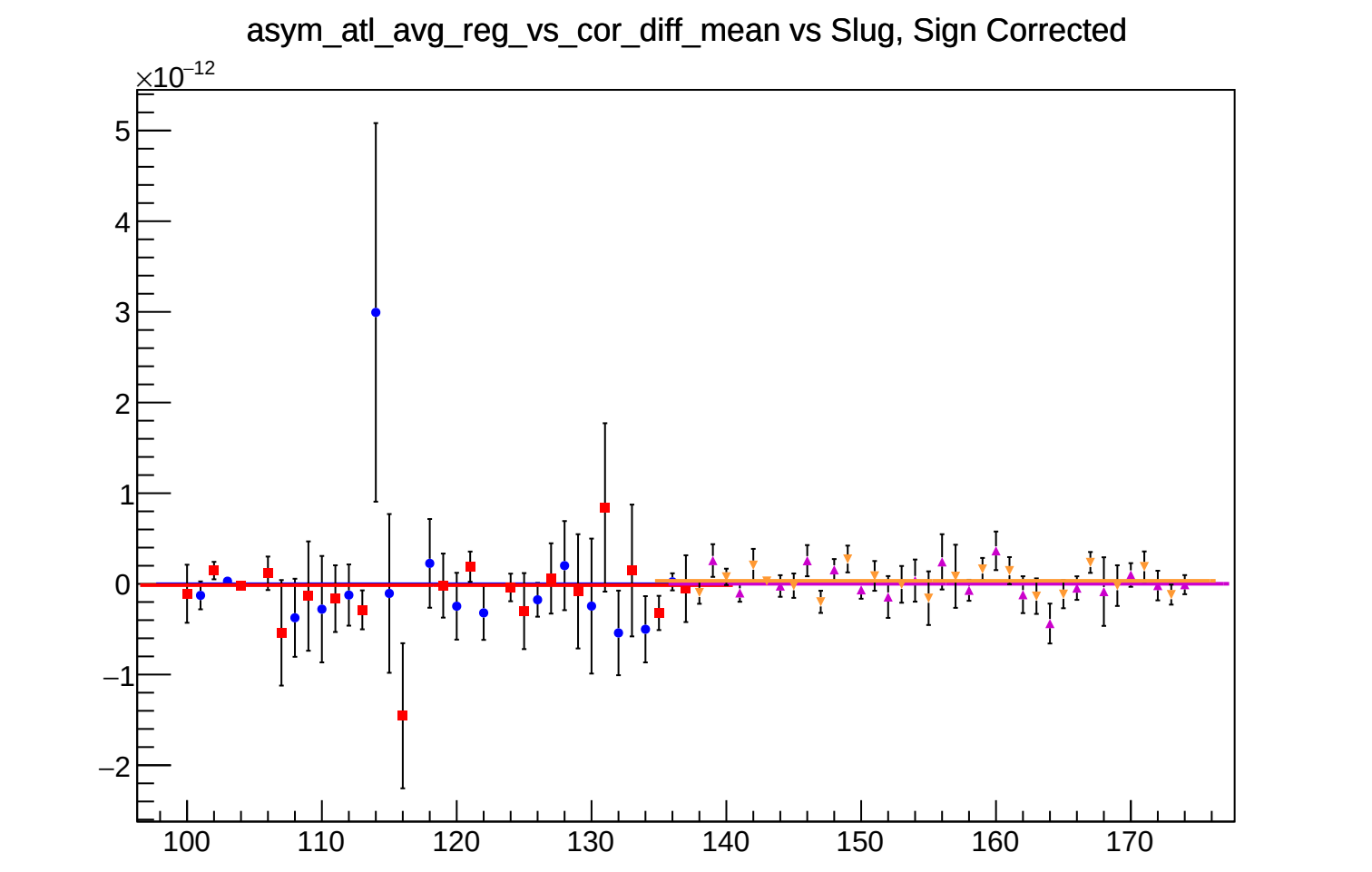
Left: 5201.992+/-0.688 χ^2/NDF: 2252742.0/36

Right: 3105.498+/-0.620 χ^2/NDF: 3768440.9/34

In: 4126.964+/-0.666 χ^2/NDF:5506024.5/33

Out: 3968.766+/-0.639 χ^2/NDF:5605357.3/37

All: 4044.597+/-0.461 χ^2/NDF: 11140802.0/7



Right In: -0.000+/-0.000 χ^2/NDF: 10.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.9/18

Left In: 0.000+/-0.000 χ^2/NDF:16.9/17

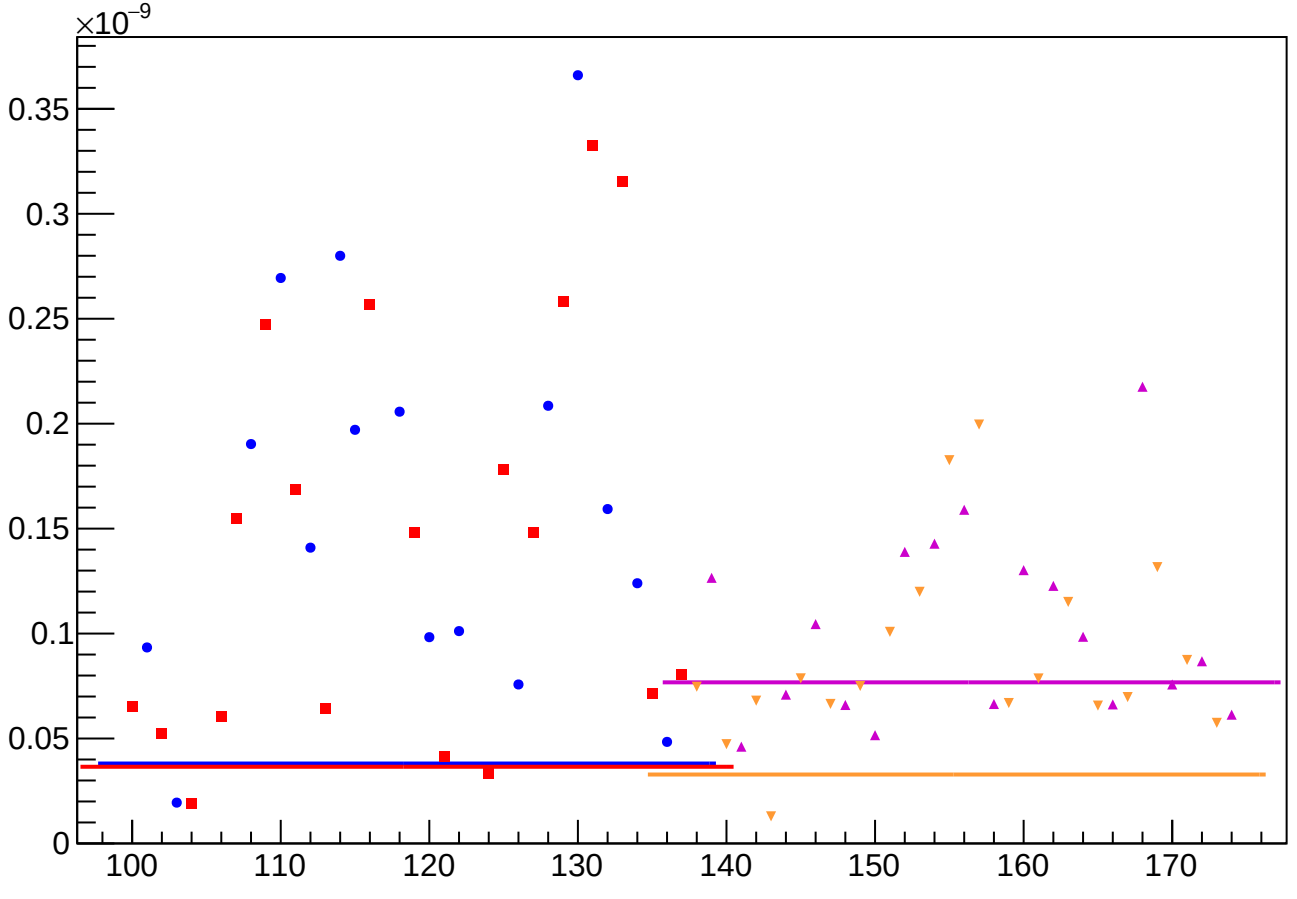
Left: 0.000+/-0.000 χ^2/NDF: 36.1/36

Right: -0.000+/-0.000 χ^2/NDF: 25.6/34

In: -0.000+/-0.000 χ^2/NDF:27.6/33

Out: 0.000+/-0.000 χ^2/NDF:35.0/37

All: 0.000+/-0.000 χ^2/NDF: 63.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 2888502.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:5734889.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2683451.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1613139.7/17

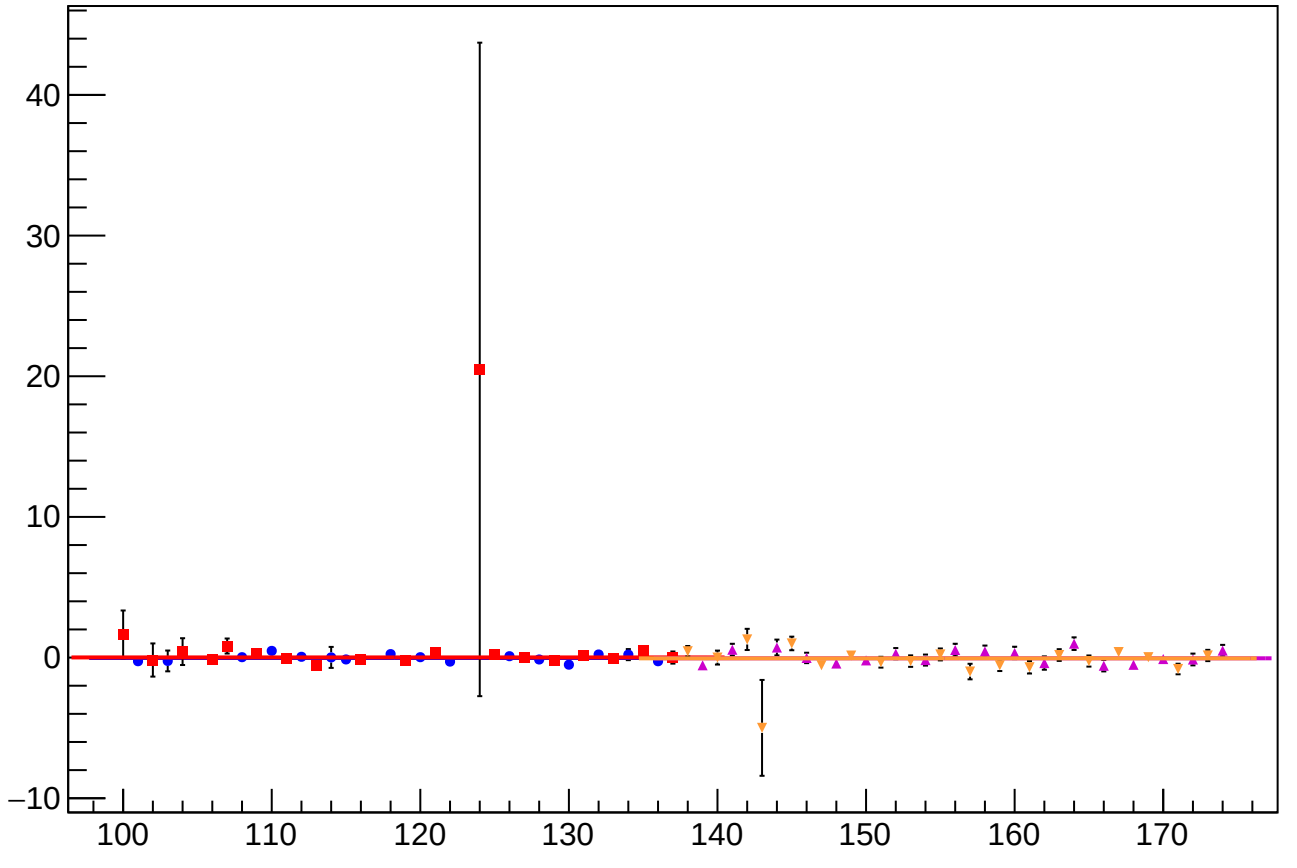
Left: 0.000+/-0.000 χ^2/NDF: 9857715.4/36

Right: 0.000+/-0.000 χ^2/NDF: 5574117.1/34

In: 0.000+/-0.000 χ^2/NDF:5790745.8/33

Out: 0.000+/-0.000 χ^2/NDF:8437416.1/37

All: 0.000+/-0.000 χ^2/NDF: 15523071.6/71



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

Left: -0.053+/-0.061 χ^2/NDF: 55.3/36

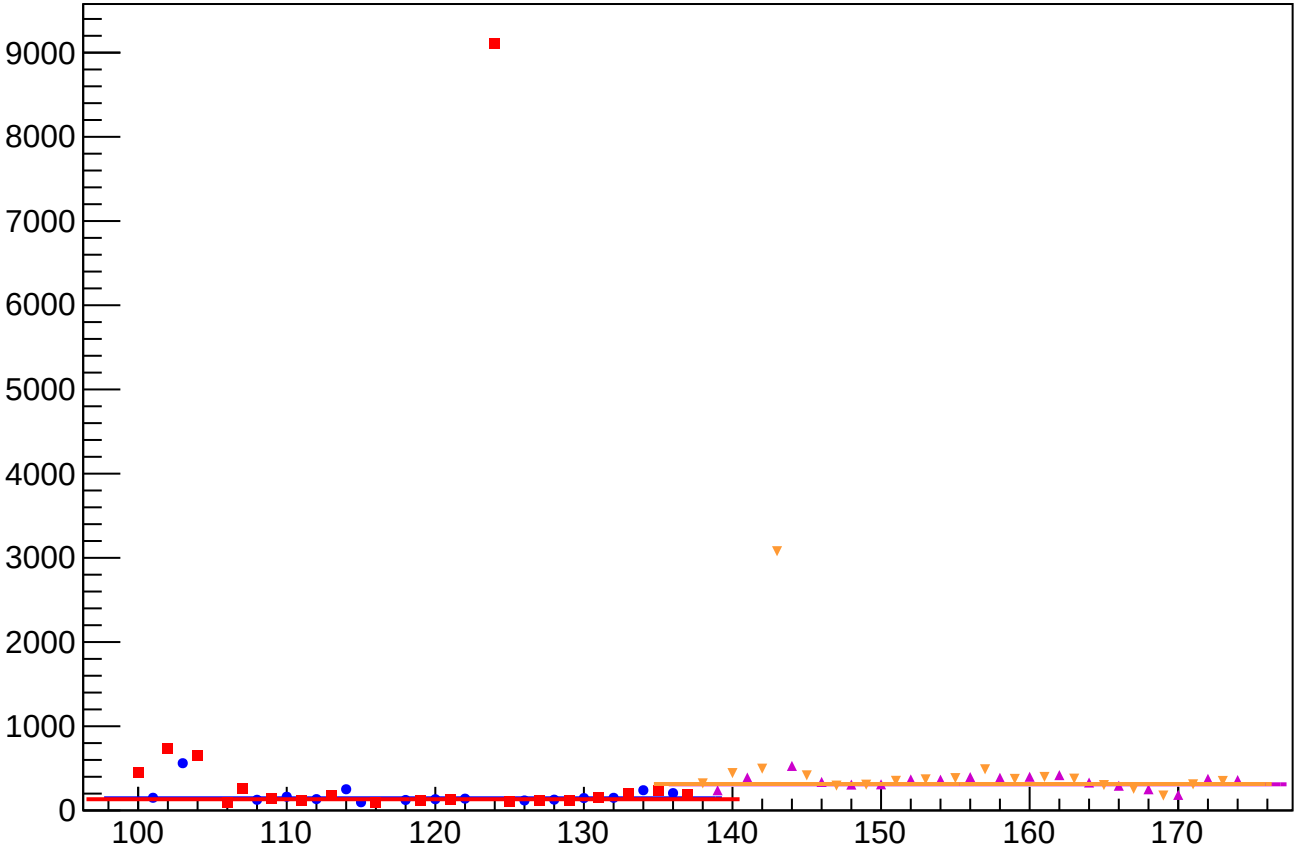
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.022+/-0.034 χ^2/NDF: 94.9/71

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: 314.237+/-0.062 χ^2/NDF:3180724.0/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

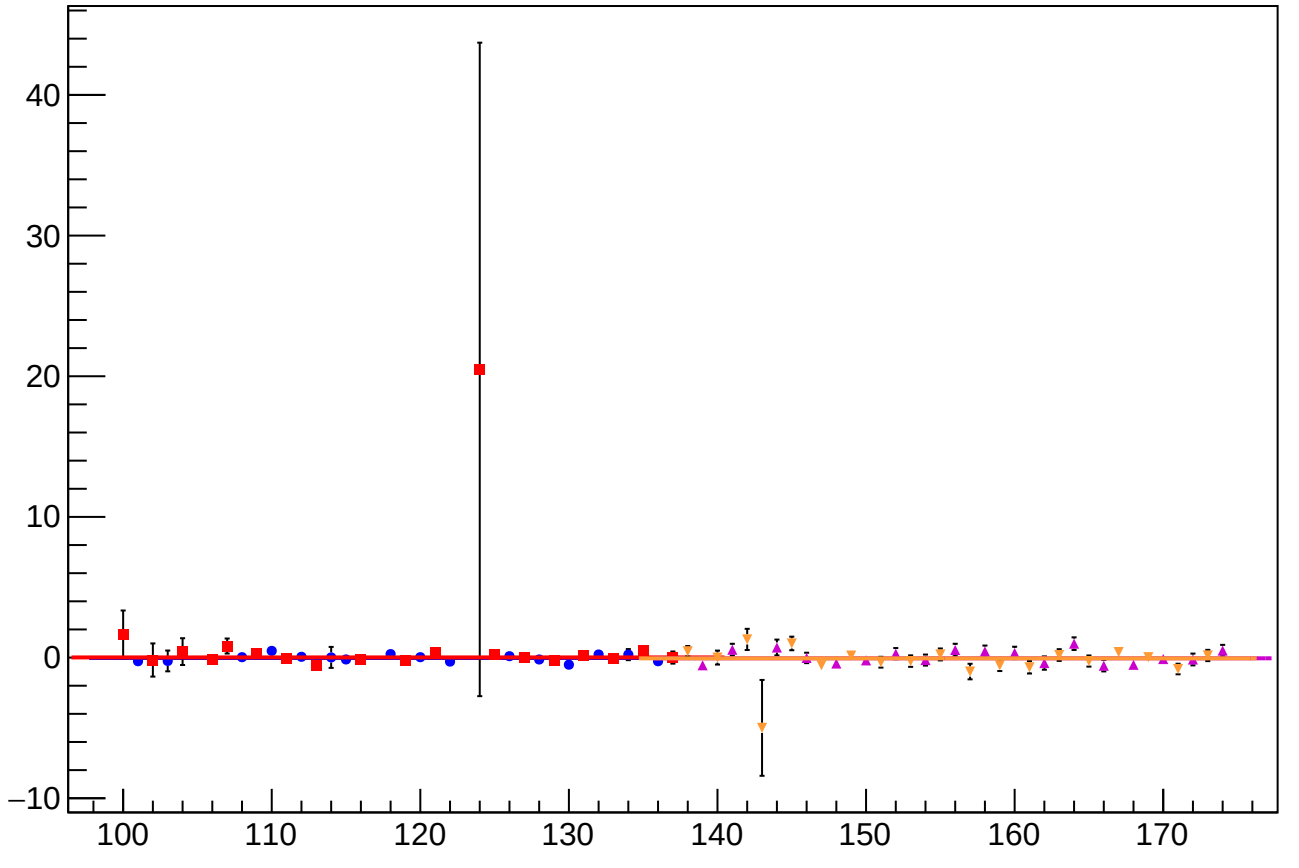
Left: 312.312+/-0.043 χ^2/NDF: 5020835.0/36

Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 197.207+/-0.034 χ^2/NDF:8227614.5/33

Out: 186.567+/-0.034 χ^2/NDF:11443995.3/37

All: 191.856+/-0.024 χ^2/NDF: 19721569.9/71



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

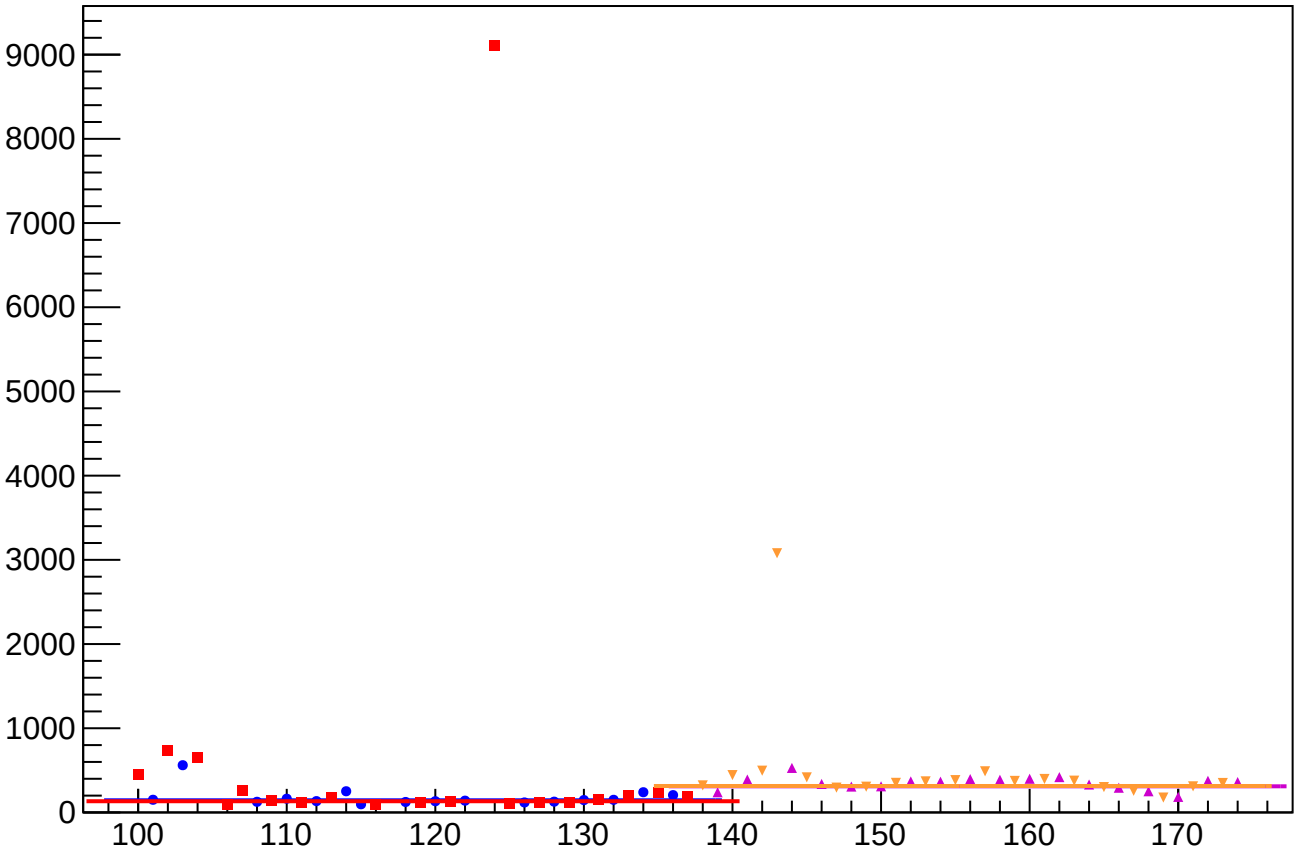
Left: -0.053+/-0.061 χ^2/NDF: 55.3/36

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.022+/-0.034 χ^2/NDF: 94.9/71



Right In: 144.291+/-0.041 χ^2/NDF: 1128779.2/15

Left Out: 314.237+/-0.062 χ^2/NDF:3180724.0/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220645.6/18

Left In: 310.510+/-0.060 χ^2/NDF:1838235.3/17

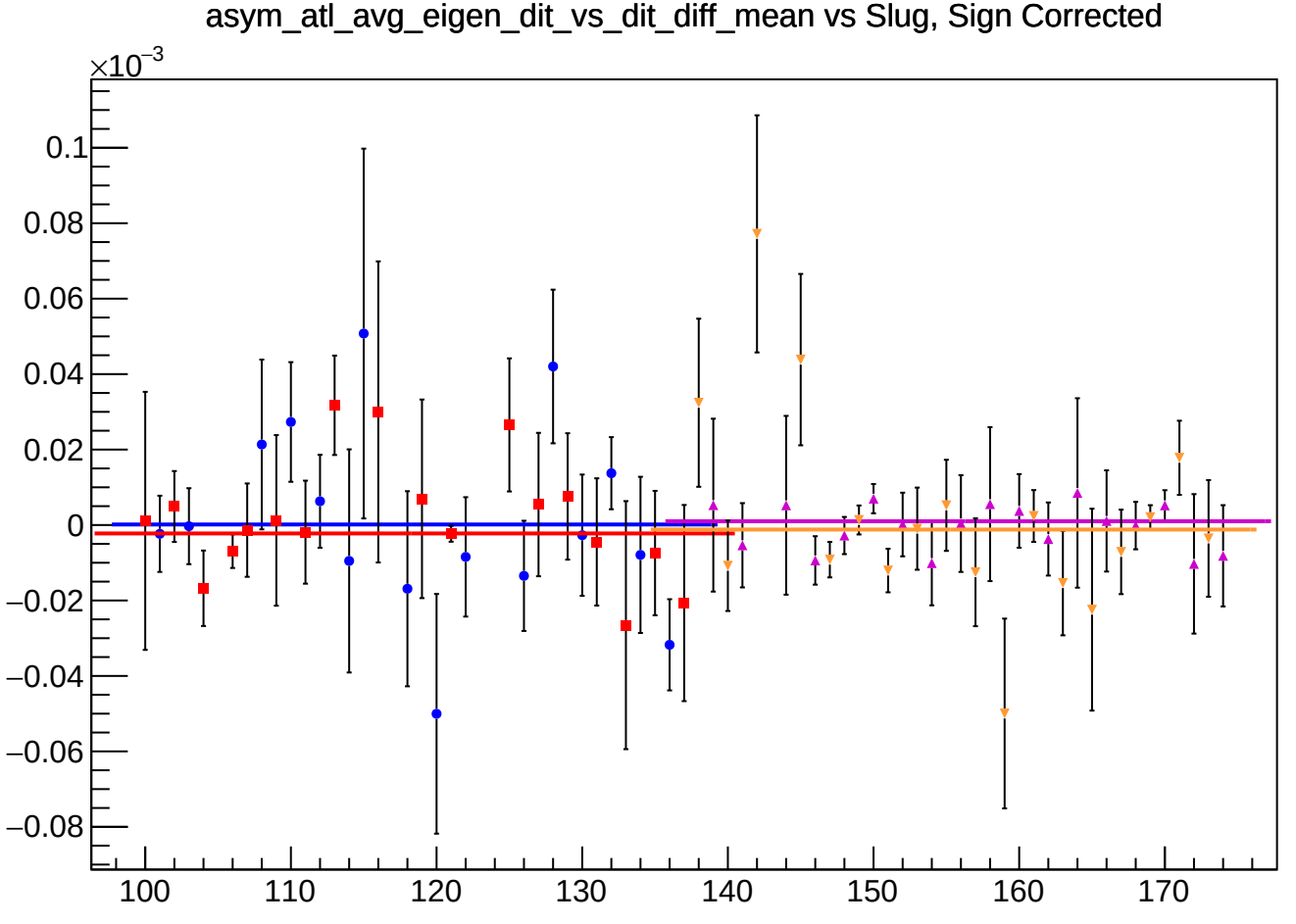
Left: 312.312+/-0.043 χ^2/NDF: 5020835.0/36

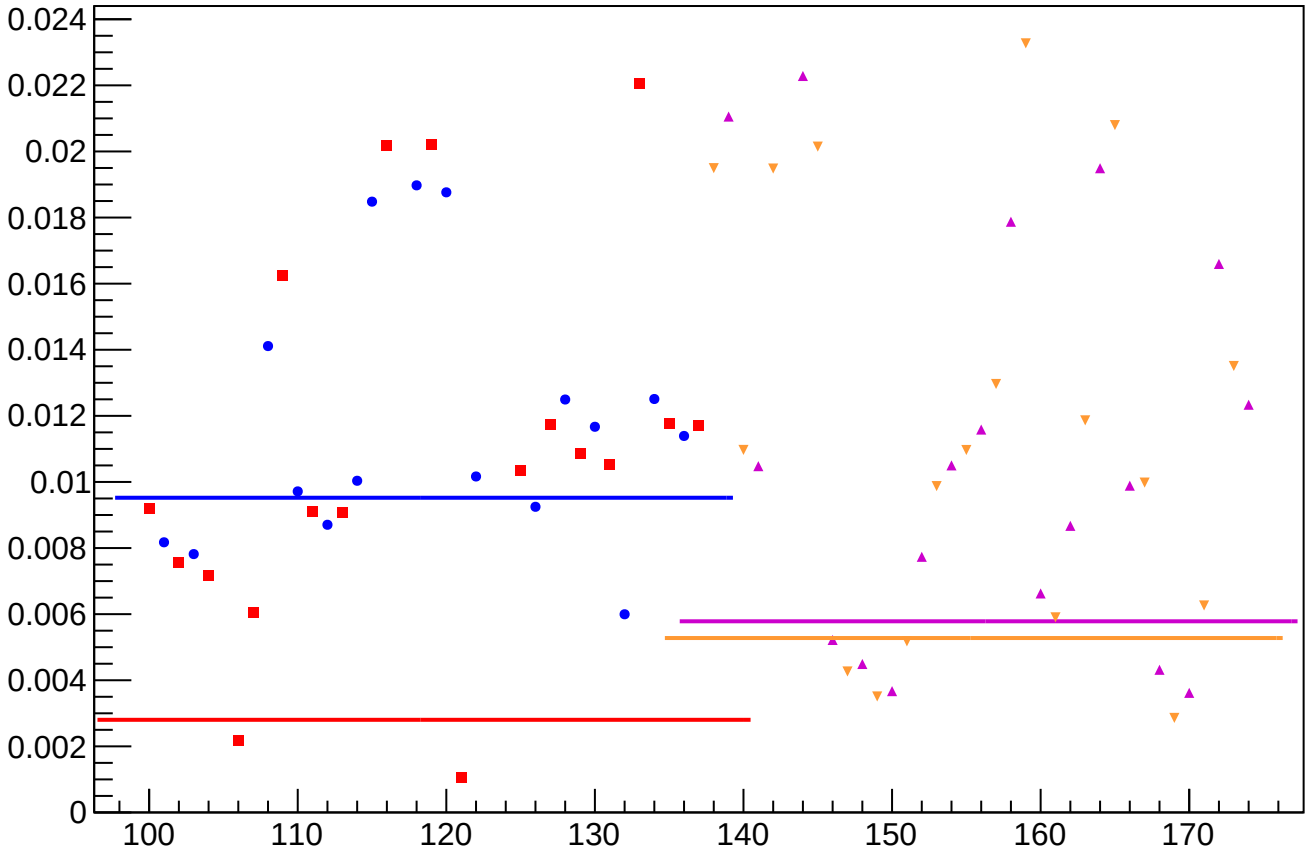
Right: 138.645+/-0.029 χ^2/NDF: 3386693.8/34

In: 197.207+/-0.034 χ^2/NDF:8227614.5/33

Out: 186.567+/-0.034 χ^2/NDF:11443995.3/37

All: 191.856+/-0.024 χ^2/NDF: 19721569.9/71


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.8/15
Left Out: -0.000+/-0.000 χ²/NDF:31.7/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/17
Left In: 0.000+/-0.000 χ²/NDF:9.4/17
Left: -0.000+/-0.000 χ²/NDF: 41.8/35
Right: -0.000+/-0.000 χ²/NDF: 38.7/33
In: 0.000+/-0.000 χ²/NDF:32.2/33
Out: -0.000+/-0.000 χ²/NDF:47.4/35
All: -0.000+/-0.000 χ²/NDF: 81.2/69



Right In: 0.010+/-0.000 χ^2/NDF: 1132946.4/15

Left Out: 0.005+/-0.000 χ^2/NDF:8680620.7/17

Right Out: 0.003+/-0.000 χ^2/NDF: 8568874.3/17

Left In: 0.006+/-0.000 χ^2/NDF:7353706.8/17

Left: 0.006+/-0.000 χ^2/NDF: 16114020.5/35

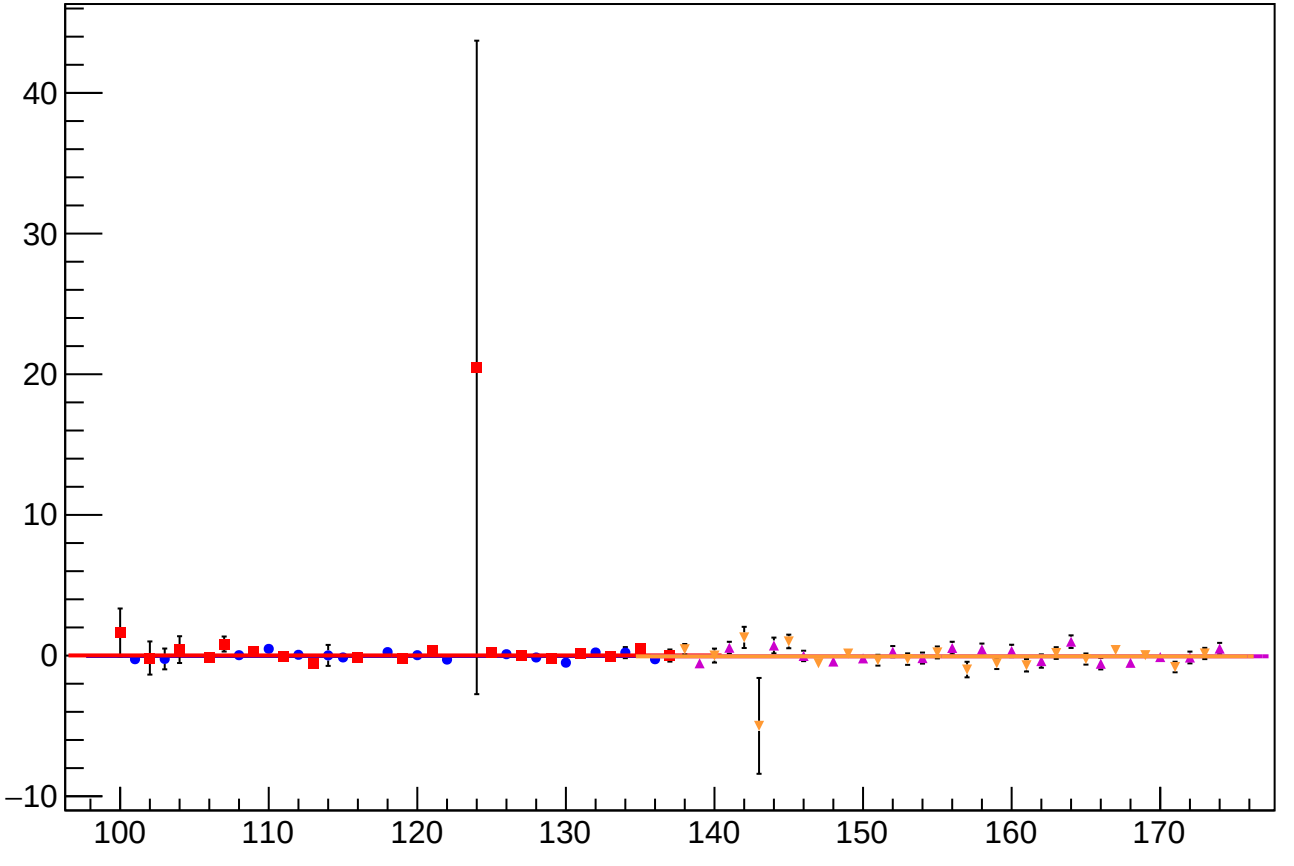
Right: 0.004+/-0.000 χ^2/NDF: 15020072.2/33

In: 0.007+/-0.000 χ^2/NDF:10095116.8/33

Out: 0.004+/-0.000 χ^2/NDF:19280567.6/35

All: 0.005+/-0.000 χ^2/NDF: 32314897.2/69

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

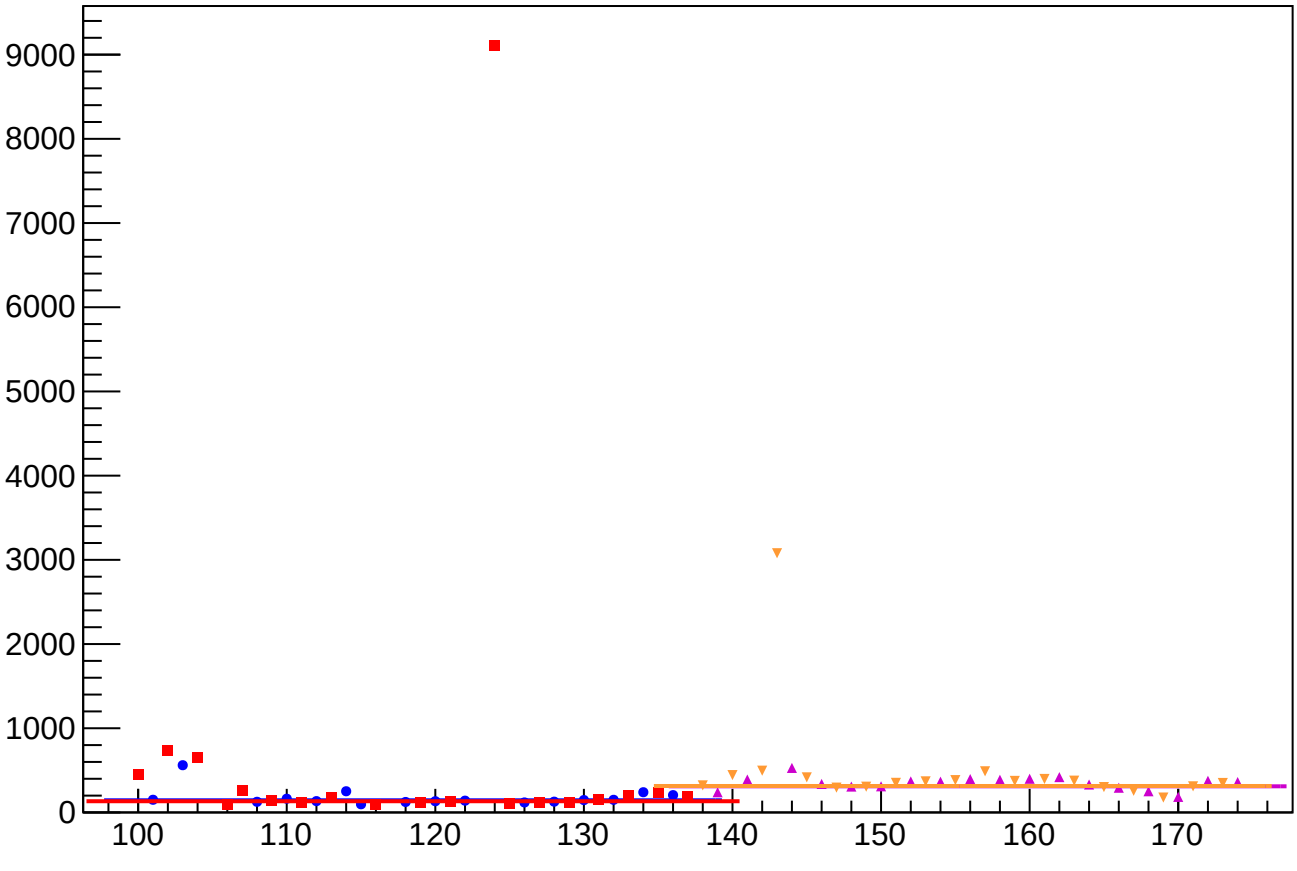
Left: -0.053+/-0.061 χ^2/NDF: 55.3/36

Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.022+/-0.034 χ^2/NDF: 94.9/71



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 314.239+/-0.062 χ^2/NDF:3180790.8/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

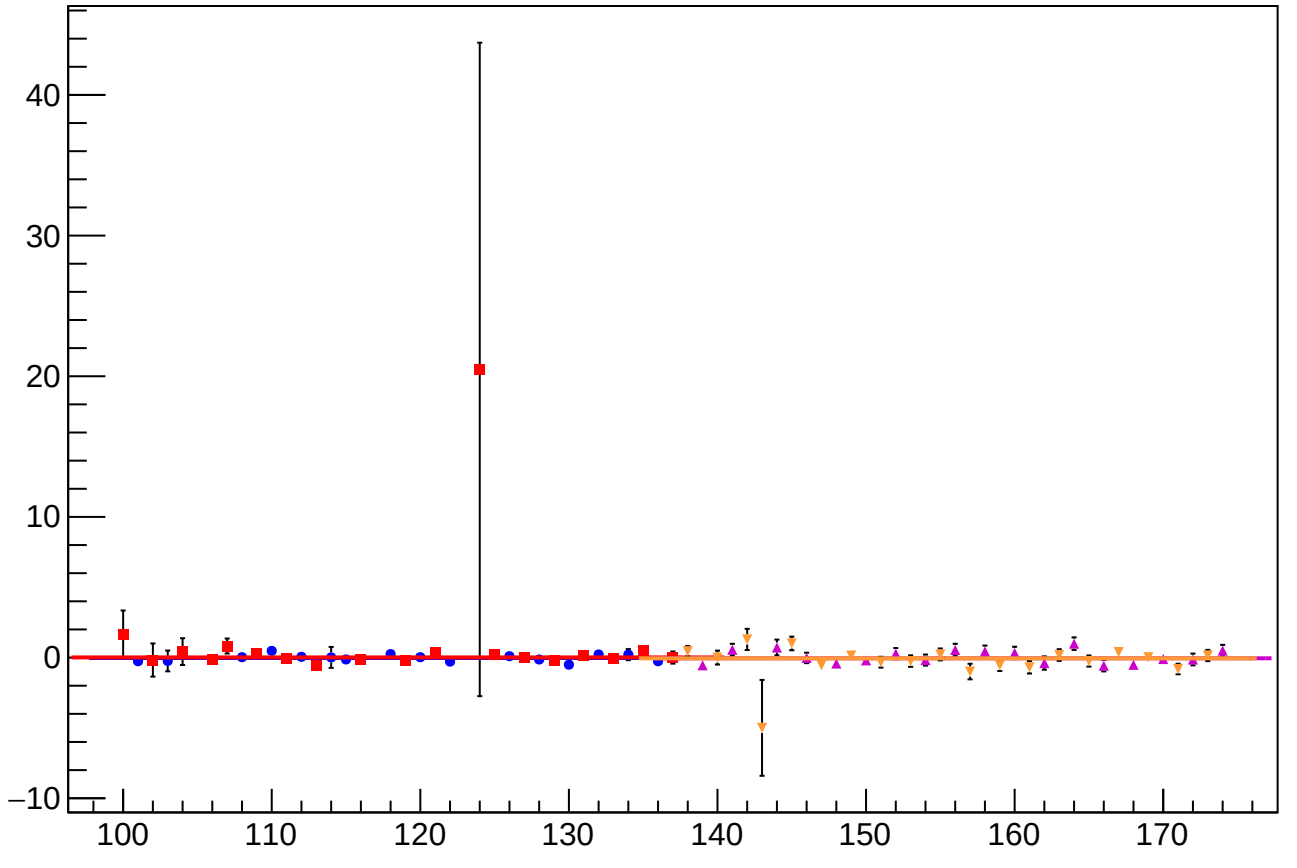
Left: 312.315+/-0.043 χ^2/NDF: 5020895.4/36

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 197.205+/-0.034 χ^2/NDF:8227864.8/33

Out: 186.566+/-0.034 χ^2/NDF:11444166.7/37

All: 191.854+/-0.024 χ^2/NDF: 19721986.5/71



Right In: -0.029+/-0.058 χ^2/NDF: 17.2/15

Left Out: -0.054+/-0.087 χ^2/NDF:29.5/18

Right Out: 0.011+/-0.057 χ^2/NDF: 21.8/18

Left In: -0.051+/-0.085 χ^2/NDF:25.7/17

Left: -0.053+/-0.061 χ^2/NDF: 55.3/36

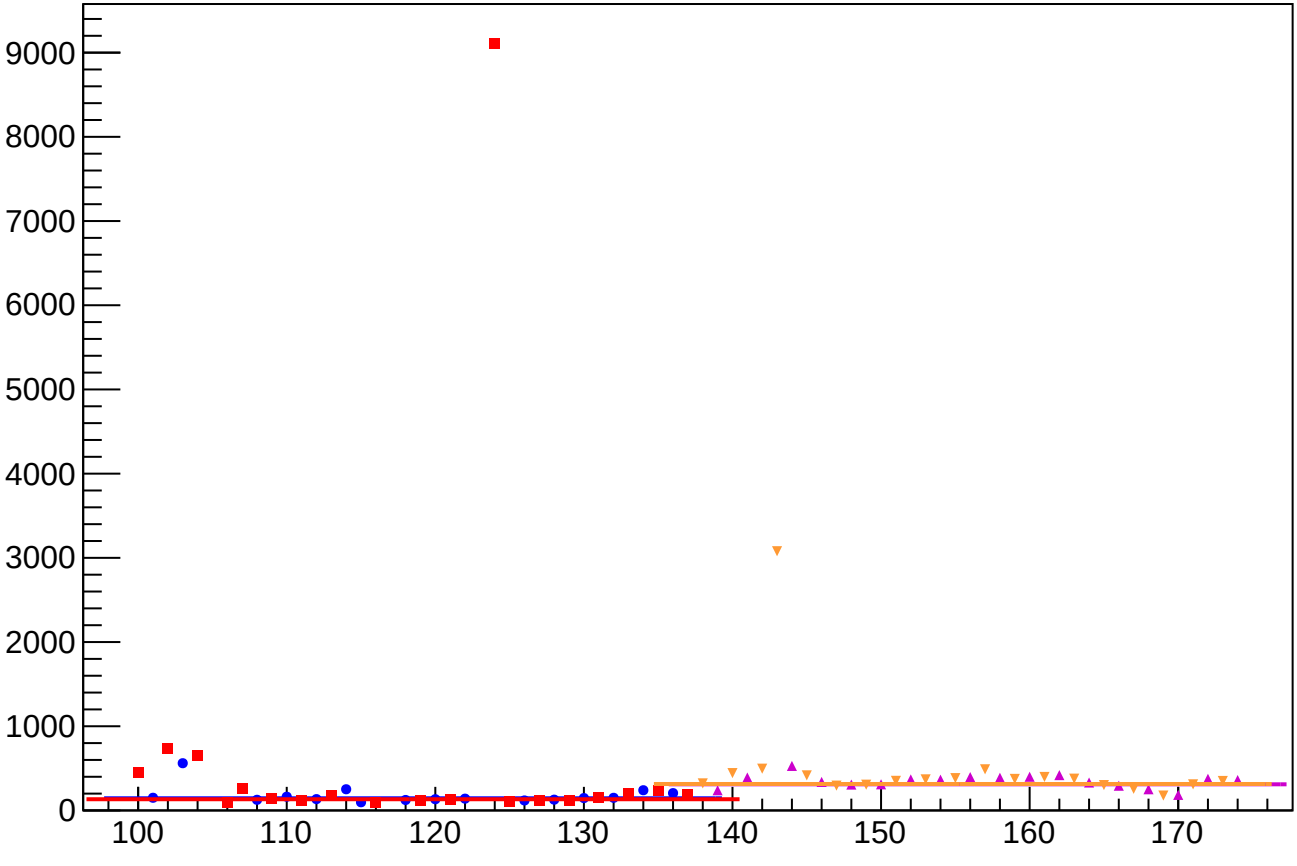
Right: -0.009+/-0.040 χ^2/NDF: 39.3/34

In: -0.036+/-0.048 χ^2/NDF:43.0/33

Out: -0.009+/-0.047 χ^2/NDF:51.7/37

All: -0.022+/-0.034 χ^2/NDF: 94.9/71

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 144.289+/-0.041 χ^2/NDF: 1128804.3/15

Left Out: 314.239+/-0.062 χ^2/NDF:3180790.8/18

Right Out: 133.253+/-0.040 χ^2/NDF: 2220606.0/18

Left In: 310.513+/-0.060 χ^2/NDF:1838229.5/17

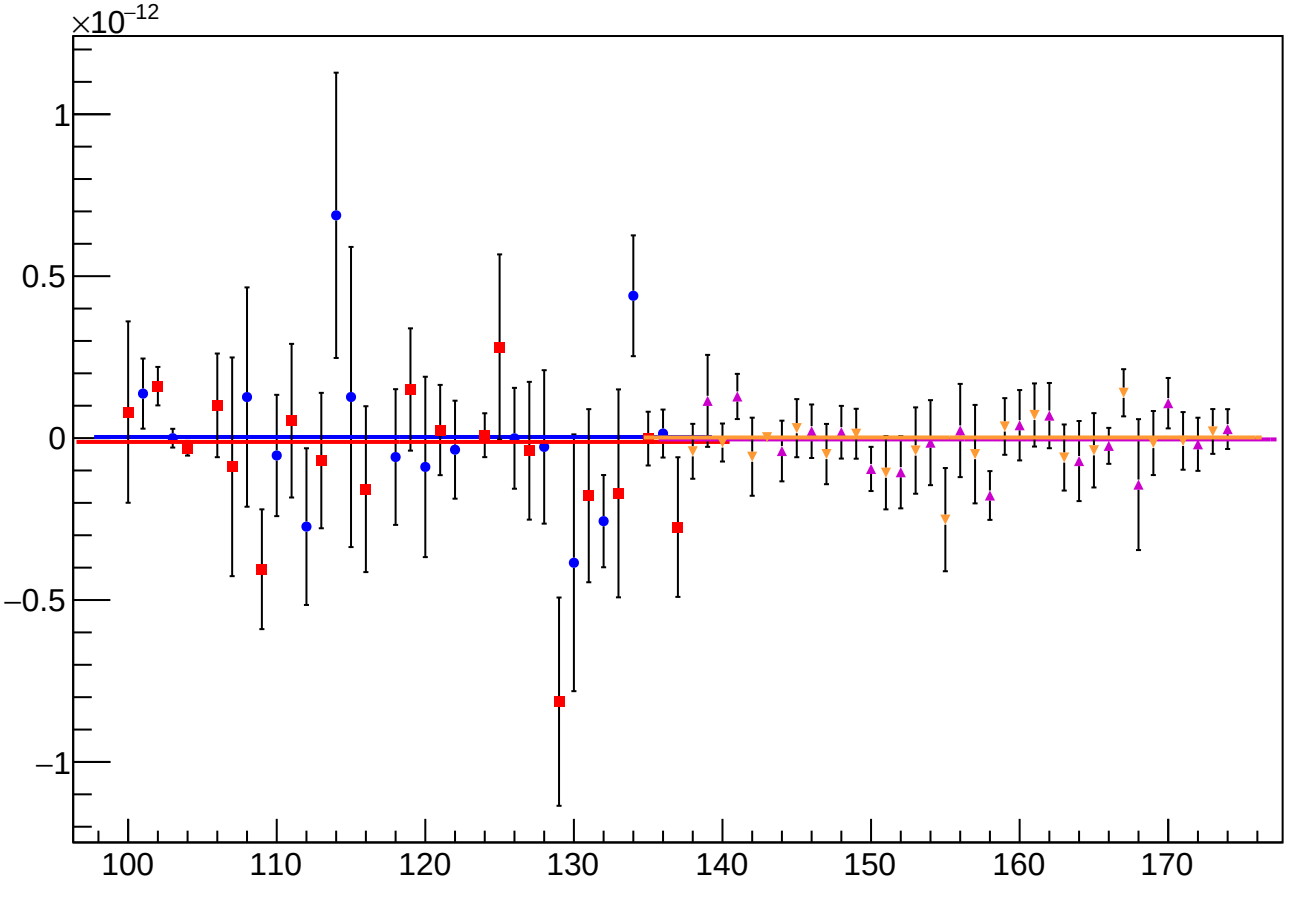
Left: 312.315+/-0.043 χ^2/NDF: 5020895.4/36

Right: 138.644+/-0.029 χ^2/NDF: 3386673.9/34

In: 197.205+/-0.034 χ^2/NDF:8227864.8/33

Out: 186.566+/-0.034 χ^2/NDF:11444166.7/37

All: 191.854+/-0.024 χ^2/NDF: 19721986.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/17

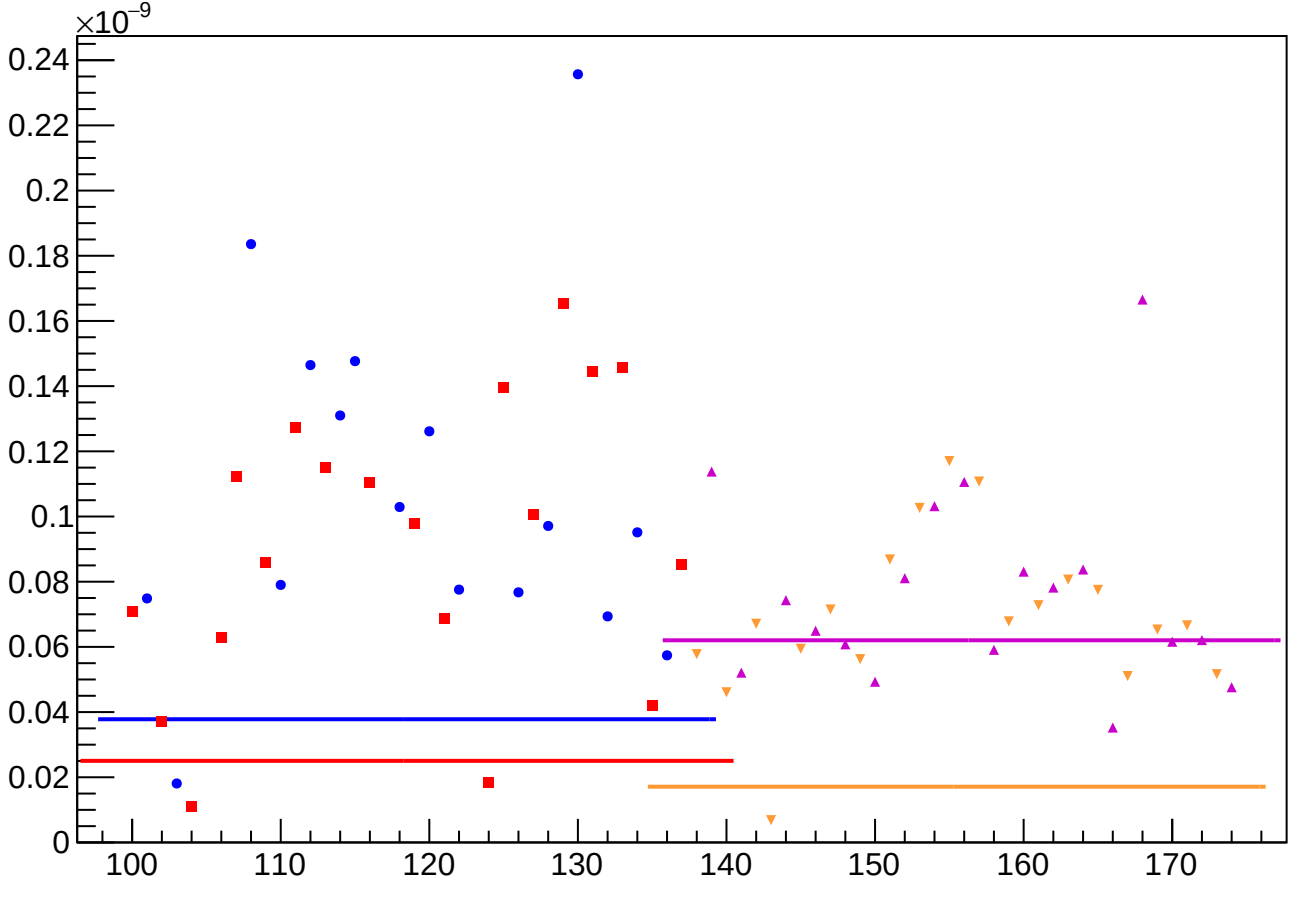
Left: 0.000+/-0.000 χ^2/NDF: 26.1/36

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:32.2/33

Out: -0.000+/-0.000 χ^2/NDF:35.1/37

All: -0.000+/-0.000 χ^2/NDF: 67.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 3942675.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:12835872.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4701757.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2197109.8/17

Left: 0.000+/-0.000 χ^2/NDF: 23167974.2/36

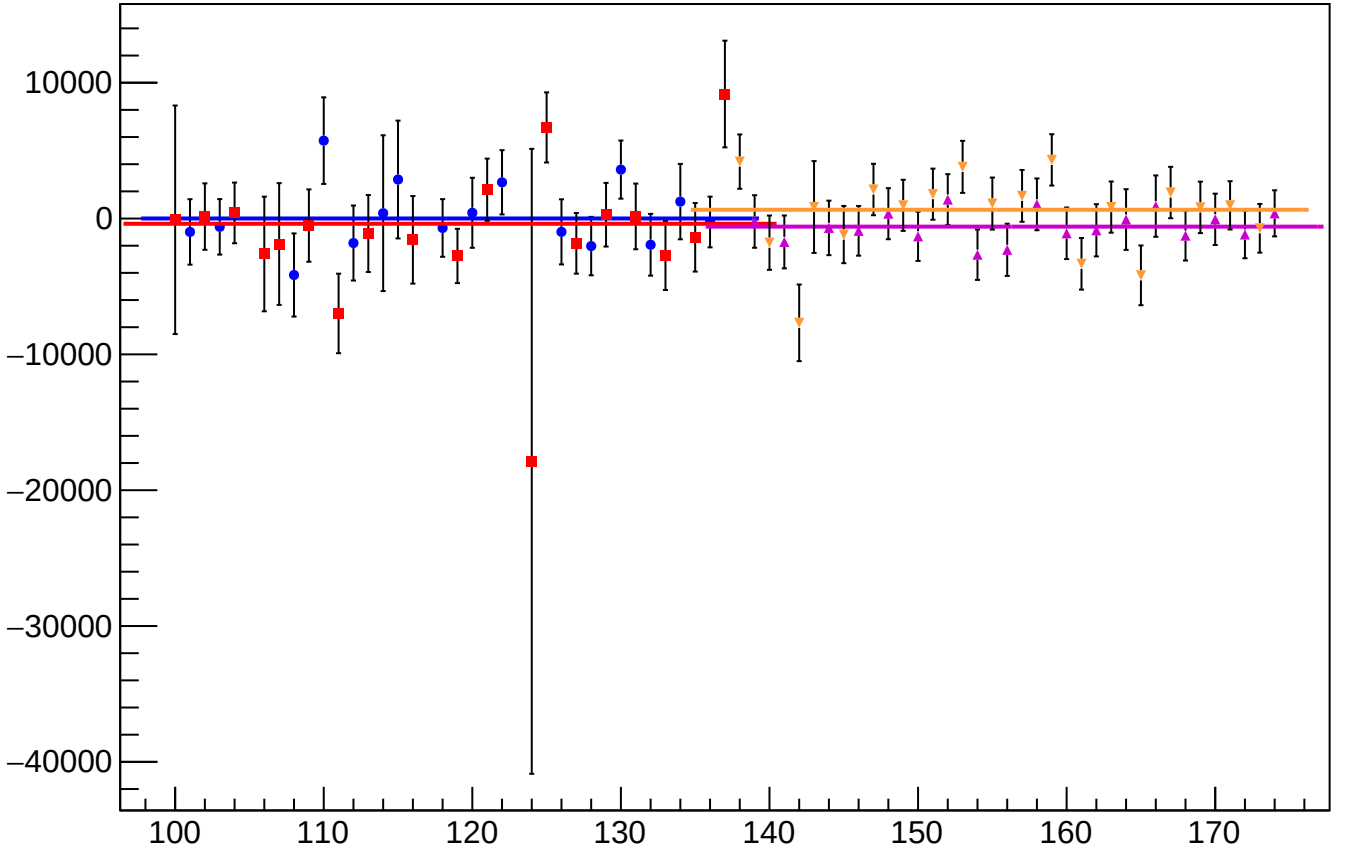
Right: 0.000+/-0.000 χ^2/NDF: 8999957.7/34

In: 0.000+/-0.000 χ^2/NDF:7330674.2/33

Out: 0.000+/-0.000 χ^2/NDF:17832694.2/37

All: 0.000+/-0.000 χ^2/NDF: 32360390.1/71

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 4.373+/-619.905 χ^2/NDF: 12.4/15

Left Out: 646.768+/-454.808 χ^2/NDF:32.2/18

Right Out: -384.758+/-633.682 χ^2/NDF: 24.1/18

Left In: -596.176+/-447.922 χ^2/NDF:6.0/17

Left: 15.814+/-319.135 χ^2/NDF: 42.0/36

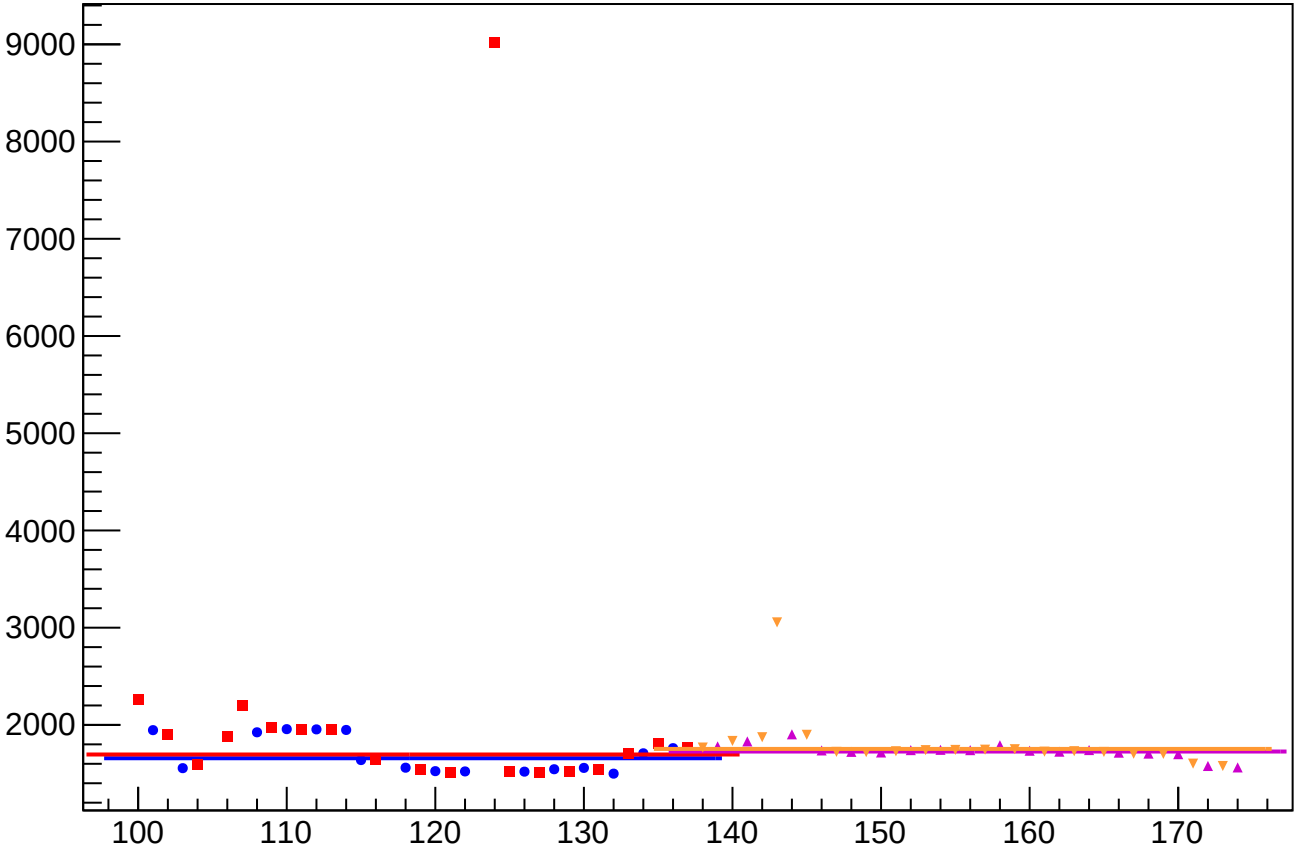
Right: -185.916+/-443.130 χ^2/NDF: 36.7/34

In: -390.180+/-363.062 χ^2/NDF:19.0/33

Out: 296.060+/-369.491 χ^2/NDF:58.0/37

All: -53.082+/-258.967 χ^2/NDF: 78.8/71

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.4/15

Left Out: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1695.649+/-0.446 χ^2/NDF: 386216.2/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

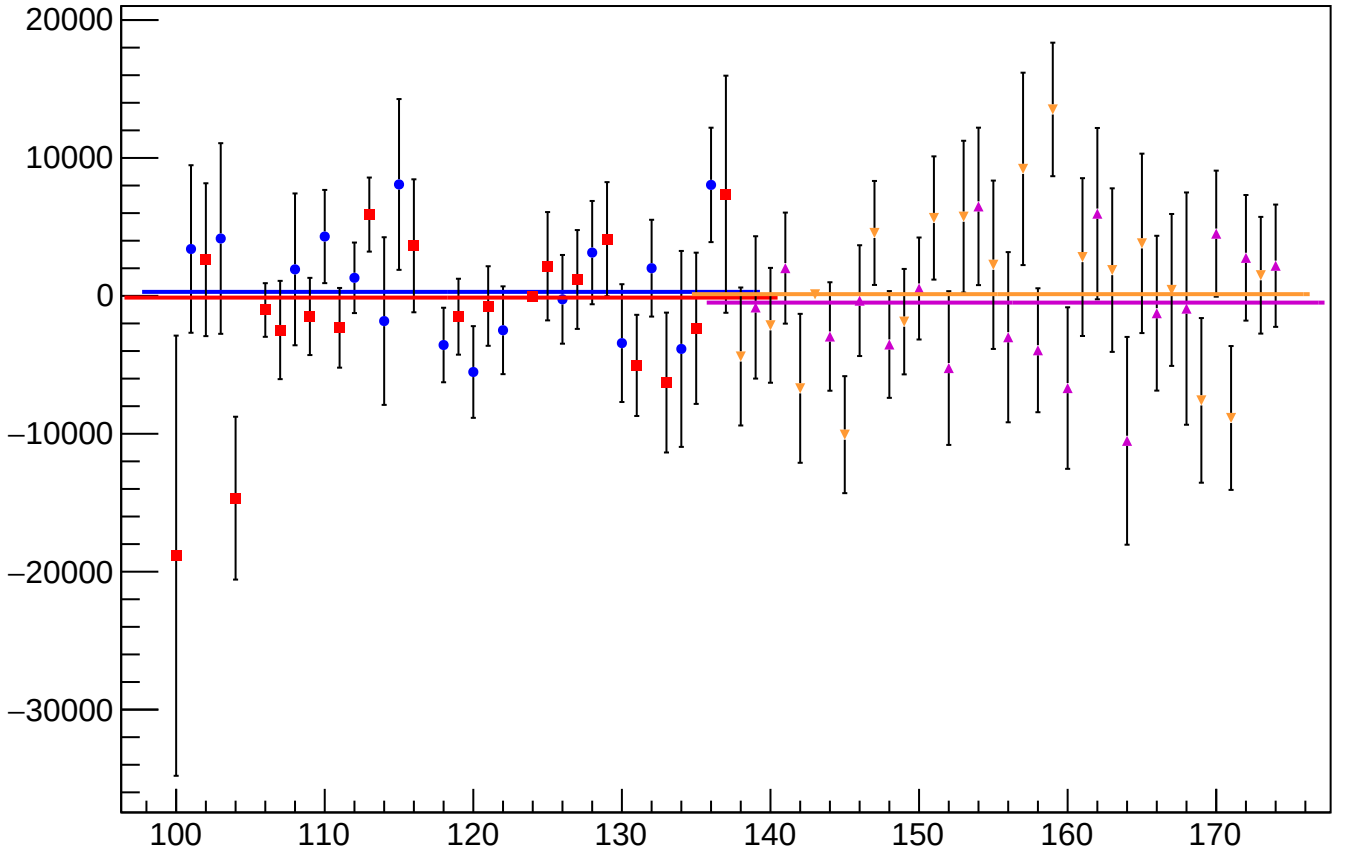
Left: 1739.424+/-0.226 χ^2/NDF: 415301.4/36

Right: 1676.049+/-0.313 χ^2/NDF: 533994.7/34

In: 1702.513+/-0.257 χ^2/NDF:219736.4/33

Out: 1733.411+/-0.261 χ^2/NDF:749449.5/37

All: 1717.716+/-0.183 χ^2/NDF: 976312.9/71



Right In: 289.262+/-961.071 χ^2/NDF: 15.2/15

Left Out: 124.032+/-347.569 χ^2/NDF:27.5/18

Right Out: -125.586+/-323.715 χ^2/NDF: 20.8/18

Left In: -489.370+/-1139.714 χ^2/NDF:10.5/17

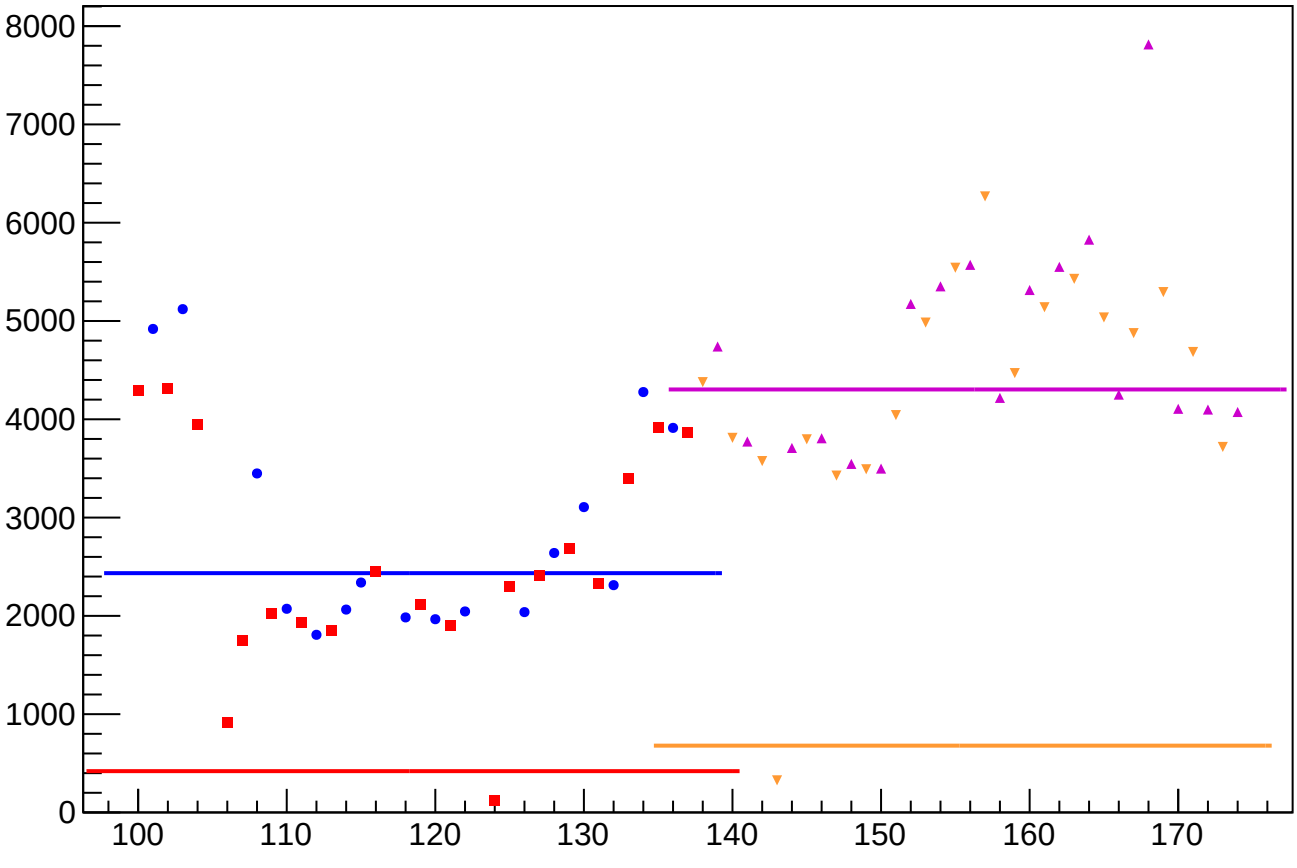
Left: 71.839+/-332.453 χ^2/NDF: 38.3/36

Right: -83.316+/-306.780 χ^2/NDF: 36.2/34

In: -34.318+/-734.717 χ^2/NDF:26.0/33

Out: -9.636+/-236.885 χ^2/NDF:48.7/37

All: -11.960+/-225.457 χ^2/NDF: 74.7/71



Right In: 2434.593+/-0.680 χ^2/NDF: 1457721.5/15

Left Out: 679.681+/-0.246 χ^2/NDF:21998090.1/18

Right Out: 420.292+/-0.229 χ^2/NDF: 11063973.9/18

Left In: 4303.408+/-0.806 χ^2/NDF:1080996.9/17

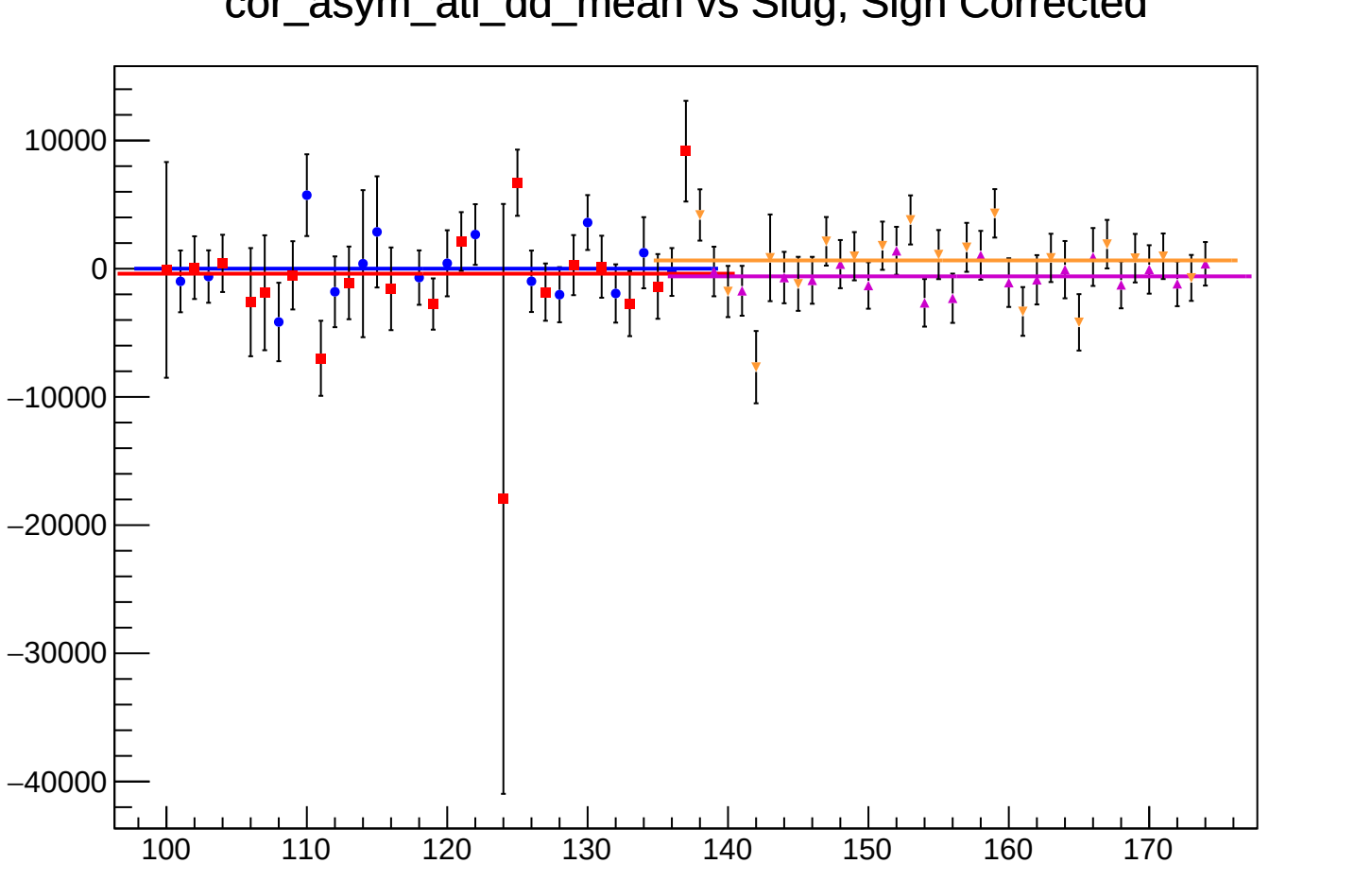
Left: 988.018+/-0.235 χ^2/NDF: 41577252.2/36

Right: 625.534+/-0.217 χ^2/NDF: 20412045.5/34

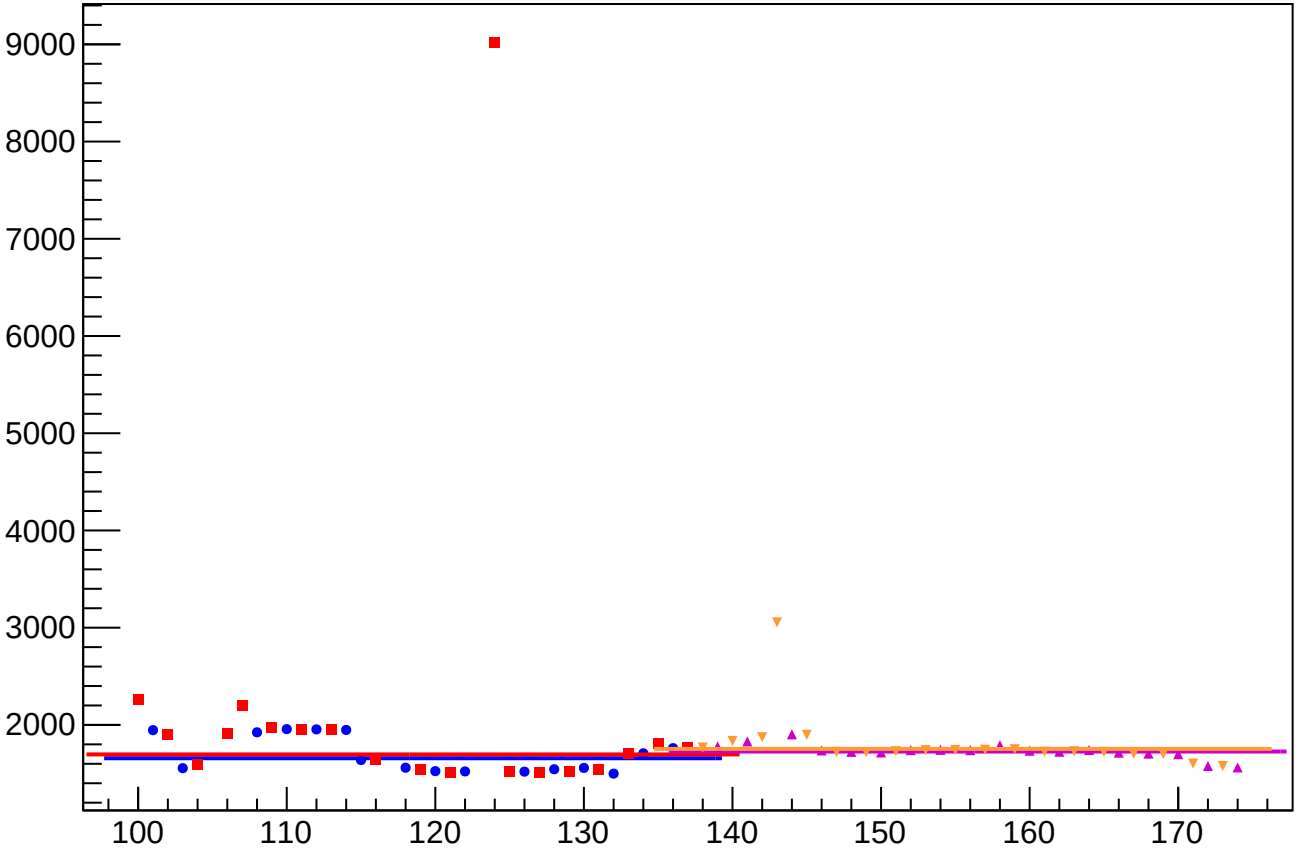
In: 3211.225+/-0.520 χ^2/NDF:5681400.7/33

Out: 540.781+/-0.168 χ^2/NDF:33658551.6/37

All: 792.241+/-0.159 χ^2/NDF: 63273453.2/71


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: 646.735+/-454.808 χ²/NDF:32.2/18
Right Out: -389.054+/-633.688 χ²/NDF: 24.0/18
Left In: -596.158+/-447.922 χ²/NDF:6.0/17
Left: 15.807+/-319.135 χ²/NDF: 42.0/36
Right: -188.056+/-443.132 χ²/NDF: 36.7/34
In: -390.195+/-363.062 χ²/NDF:19.0/33
Out: 294.582+/-369.492 χ²/NDF:58.0/37
All: -53.817+/-258.967 χ²/NDF: 78.8/71

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

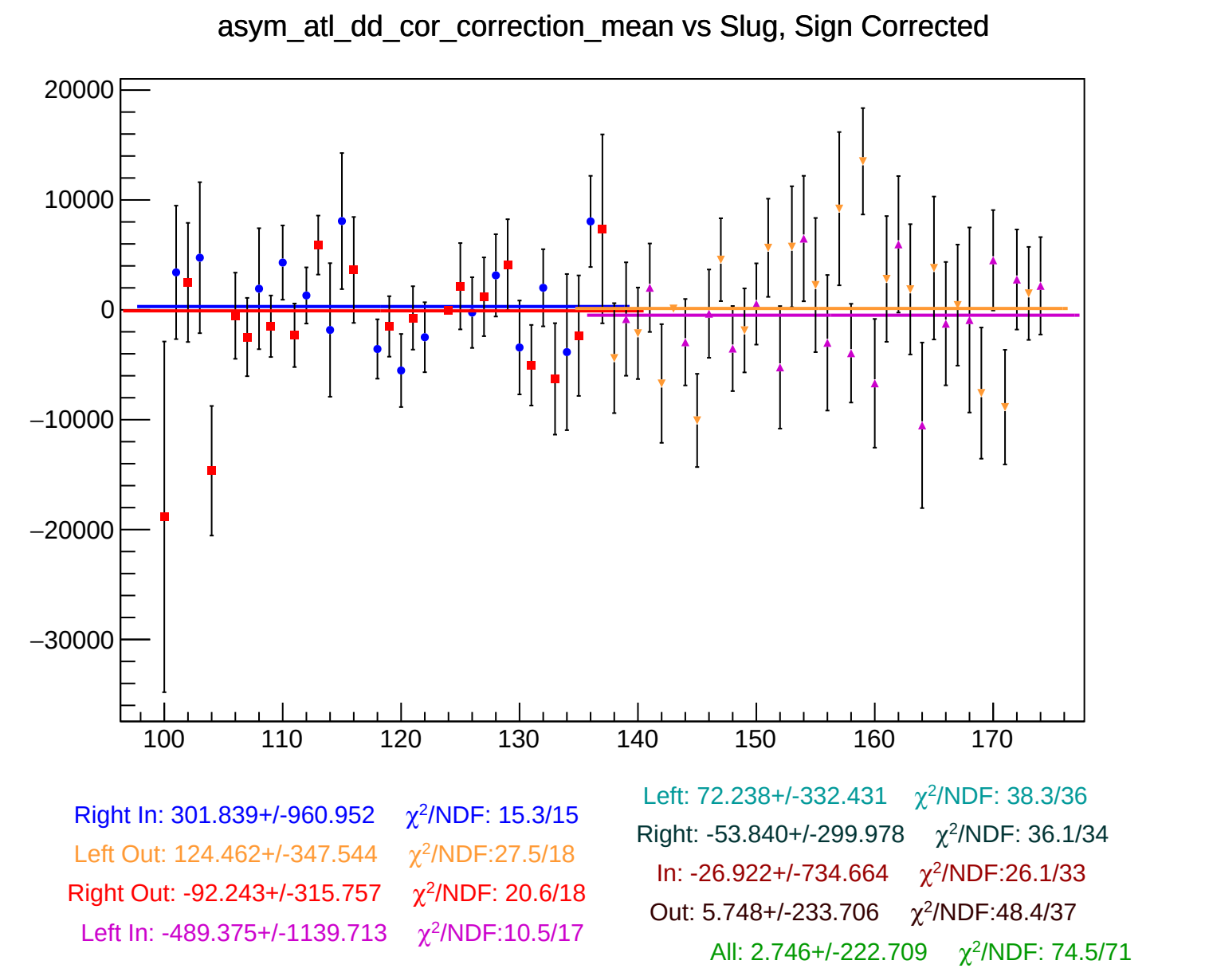
Left: 1739.424+/-0.226 χ^2/NDF: 415301.4/36

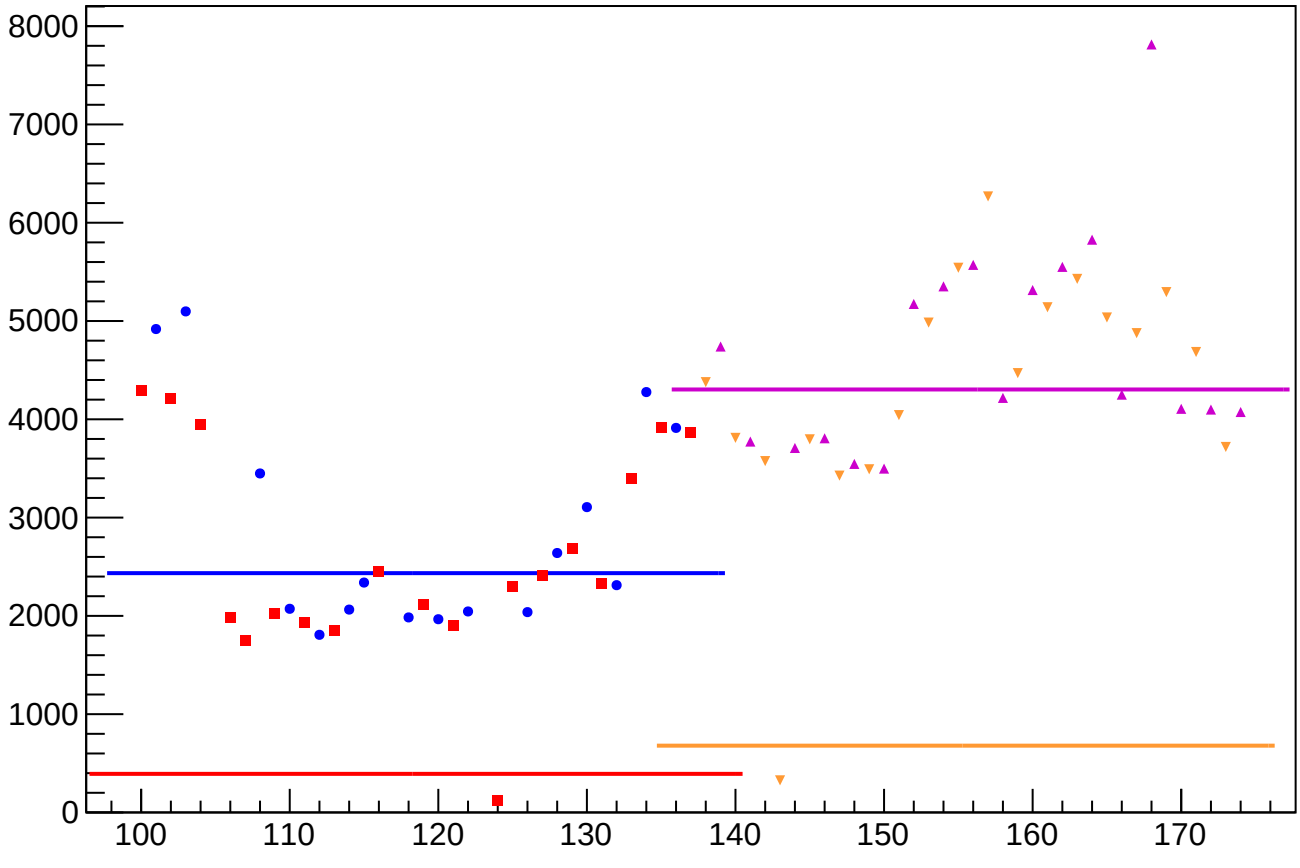
Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1702.513+/-0.257 χ^2/NDF:219736.5/33

Out: 1733.695+/-0.261 χ^2/NDF:750901.8/37

All: 1717.853+/-0.183 χ^2/NDF: 977895.6/71


asym_atl_dd_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: 301.839+/-960.952 χ²/NDF: 15.3/15
Left Out: 124.462+/-347.544 χ²/NDF:27.5/18
Right Out: -92.243+/-315.757 χ²/NDF: 20.6/18
Left In: -489.375+/-1139.713 χ²/NDF:10.5/17
Left: 72.238+/-332.431 χ²/NDF: 38.3/36
Right: -53.840+/-299.978 χ²/NDF: 36.1/34
In: -26.922+/-734.664 χ²/NDF:26.1/33
Out: 5.748+/-233.706 χ²/NDF:48.4/37
All: 2.746+/-222.709 χ²/NDF: 74.5/71



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 679.603+/-0.246 χ^2/NDF:21998688.8/18

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4303.404+/-0.806 χ^2/NDF:1080988.6/17

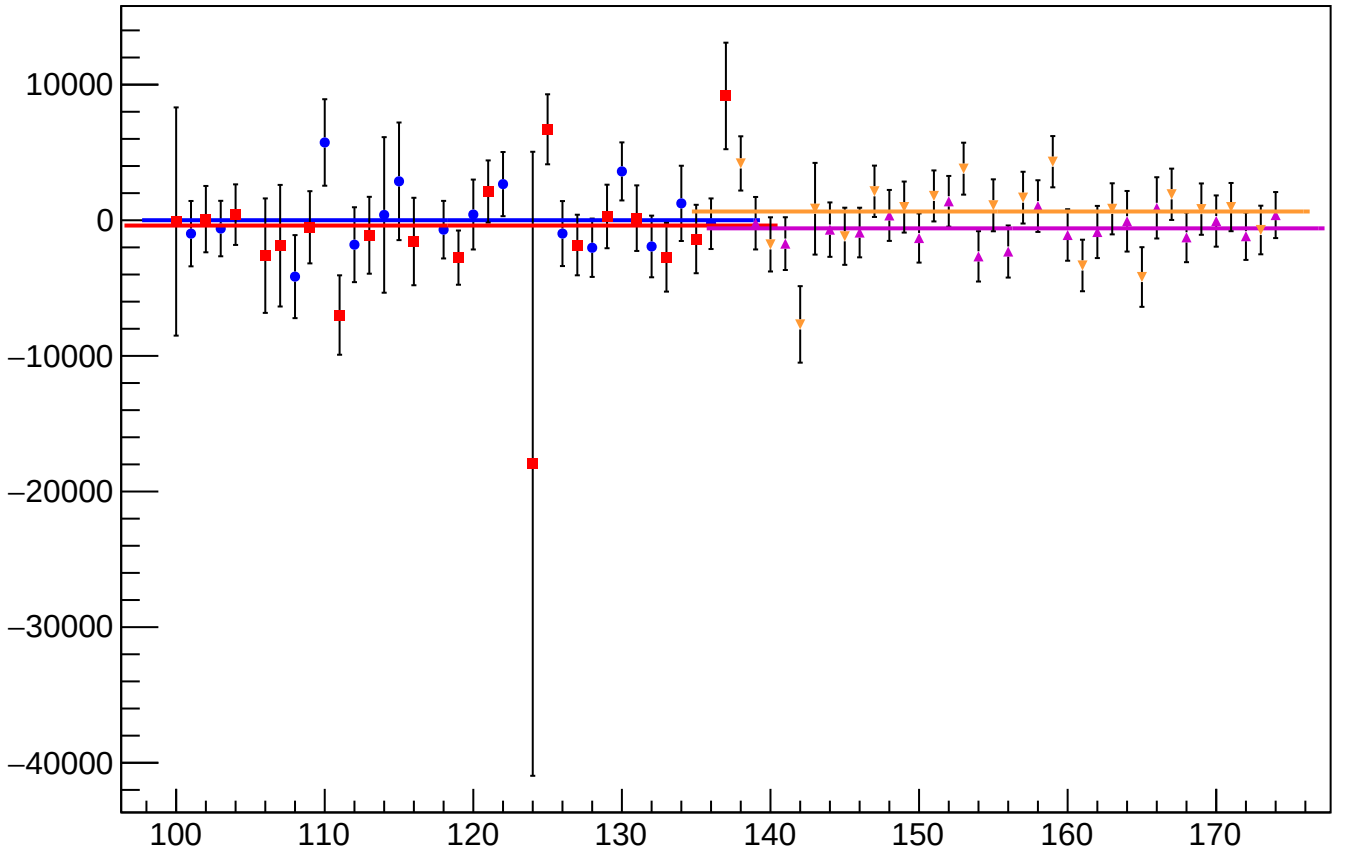
Left: 987.906+/-0.235 χ^2/NDF: 41578854.9/36

Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3211.209+/-0.519 χ^2/NDF:5679455.5/33

Out: 522.415+/-0.165 χ^2/NDF:34153518.4/37

All: 769.505+/-0.157 χ^2/NDF: 64160791.6/71



Right In: 4.295+/-619.905 χ^2/NDF: 12.4/15

Left Out: 646.735+/-454.808 χ^2/NDF:32.2/18

Right Out: -389.054+/-633.688 χ^2/NDF: 24.0/18

Left In: -596.158+/-447.922 χ^2/NDF:6.0/17

Left: 15.807+/-319.135 χ^2/NDF: 42.0/36

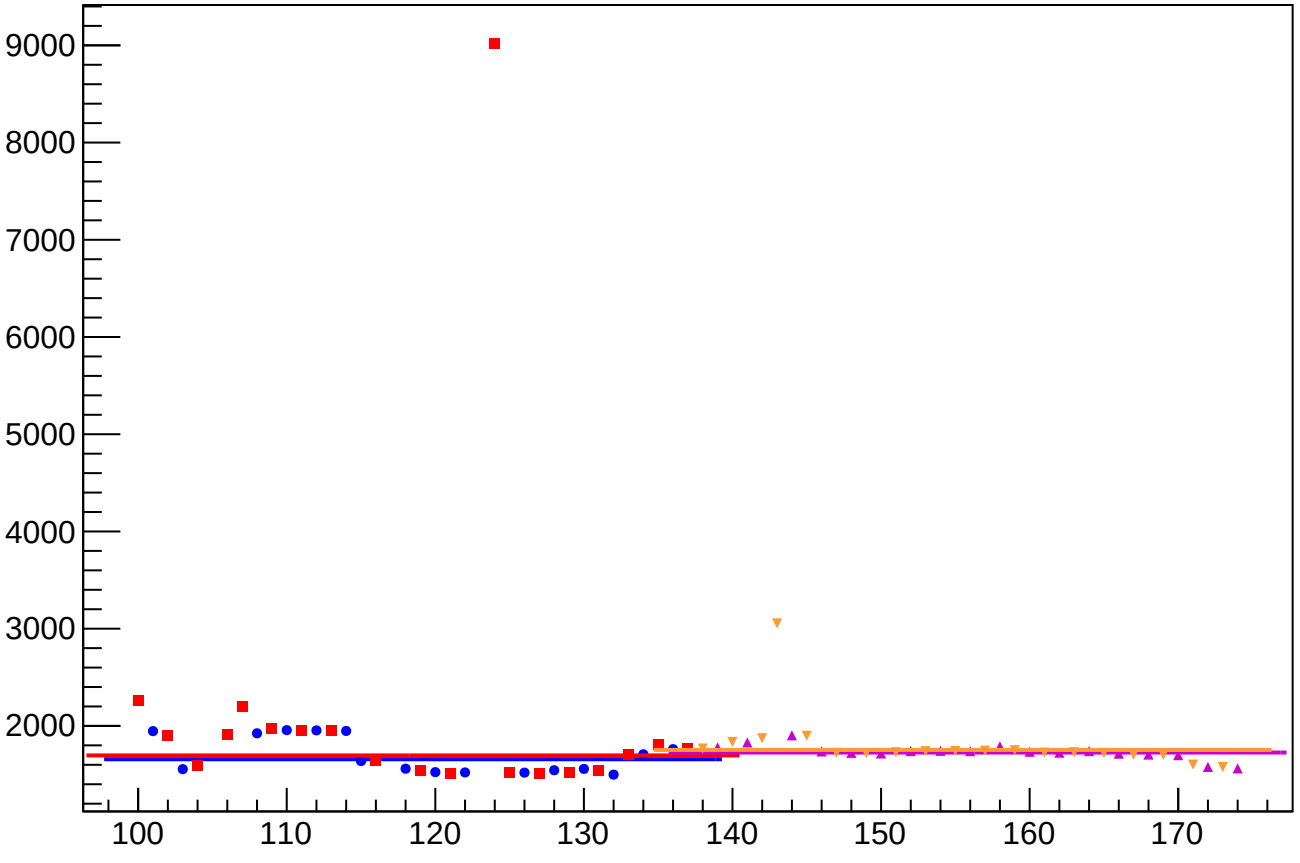
Right: -188.056+/-443.132 χ^2/NDF: 36.7/34

In: -390.195+/-363.062 χ^2/NDF:19.0/33

Out: 294.582+/-369.492 χ^2/NDF:58.0/37

All: -53.817+/-258.967 χ^2/NDF: 78.8/71

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1657.119+/-0.438 χ^2/NDF: 143982.5/15

Left Out: 1753.044+/-0.322 χ^2/NDF:352338.1/18

Right Out: 1696.442+/-0.446 χ^2/NDF: 387974.4/18

Left In: 1726.214+/-0.317 χ^2/NDF:59430.0/17

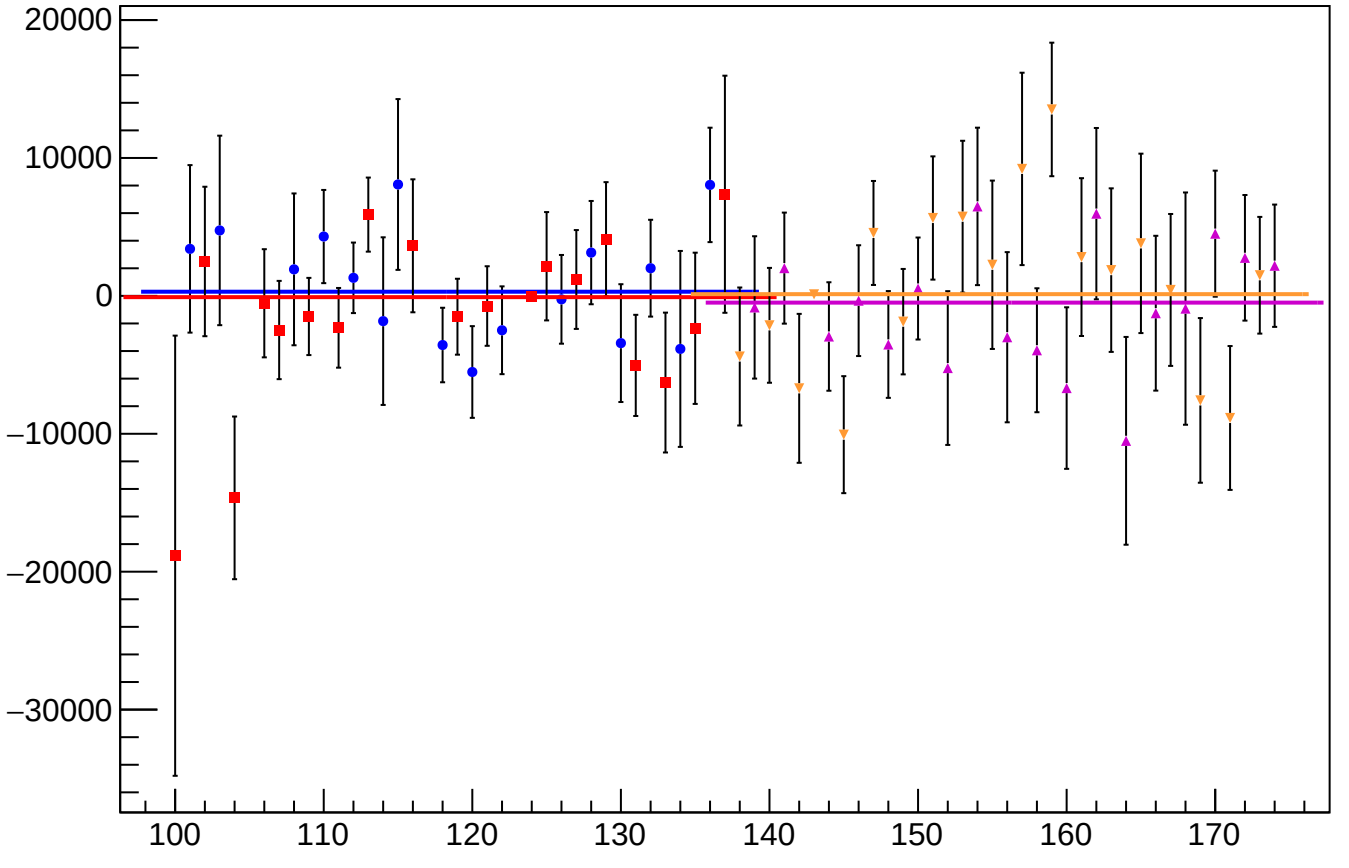
Left: 1739.424+/-0.226 χ^2/NDF: 415301.4/36

Right: 1676.430+/-0.313 χ^2/NDF: 535909.0/34

In: 1702.513+/-0.257 χ^2/NDF:219736.5/33

Out: 1733.695+/-0.261 χ^2/NDF:750901.8/37

All: 1717.853+/-0.183 χ^2/NDF: 977895.6/71



Right In: 301.839+/-960.952 χ^2/NDF: 15.3/15

Left Out: 124.462+/-347.544 χ^2/NDF:27.5/18

Right Out: -92.243+/-315.757 χ^2/NDF: 20.6/18

Left In: -489.375+/-1139.713 χ^2/NDF:10.5/17

Left: 72.238+/-332.431 χ^2/NDF: 38.3/36

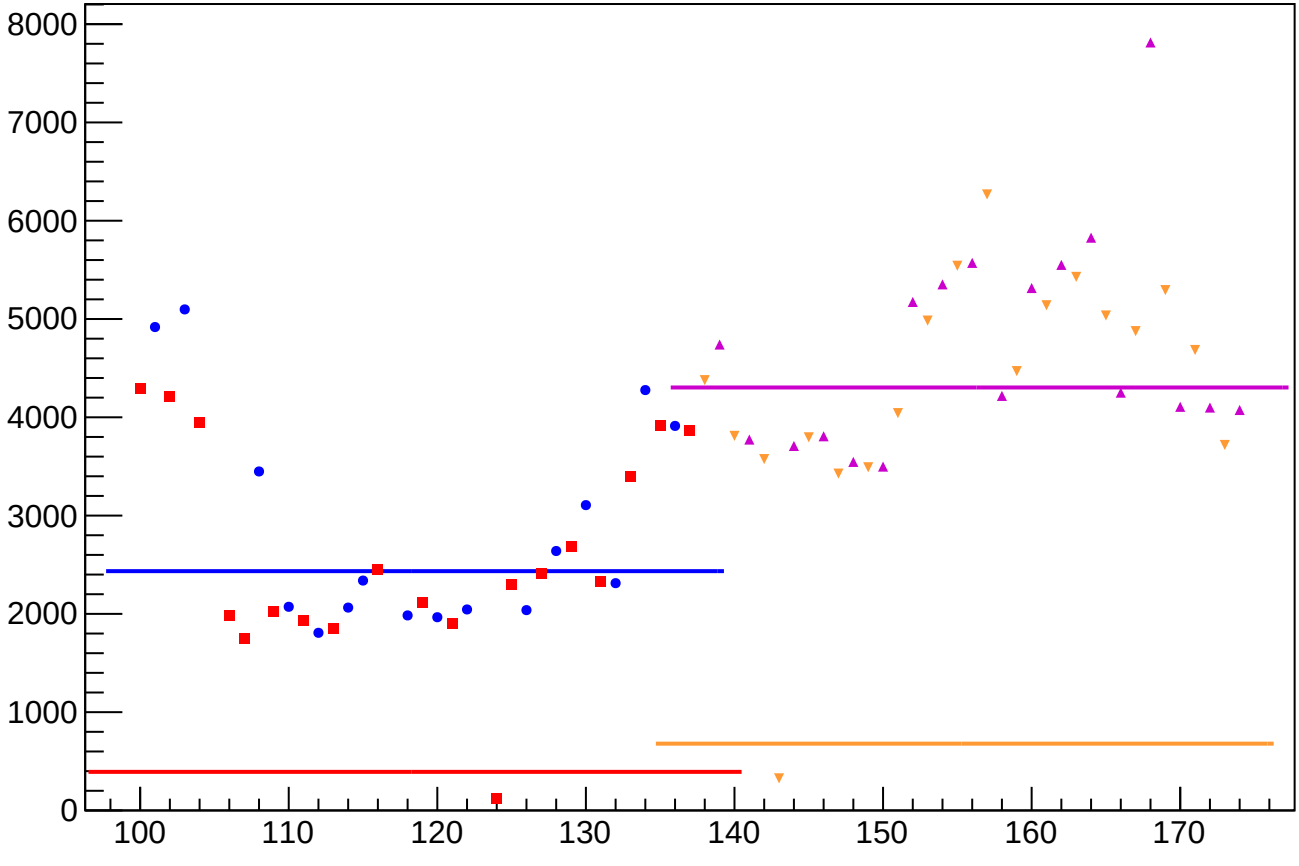
Right: -53.840+/-299.978 χ^2/NDF: 36.1/34

In: -26.922+/-734.664 χ^2/NDF:26.1/33

Out: 5.748+/-233.706 χ^2/NDF:48.4/37

All: 2.746+/-222.709 χ^2/NDF: 74.5/71

asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2434.758+/-0.679 χ^2/NDF: 1456027.7/15

Left Out: 679.603+/-0.246 χ^2/NDF:21998688.8/18

Right Out: 392.666+/-0.223 χ^2/NDF: 11408006.3/18

Left In: 4303.404+/-0.806 χ^2/NDF:1080988.6/17

Left: 987.906+/-0.235 χ^2/NDF: 41578854.9/36

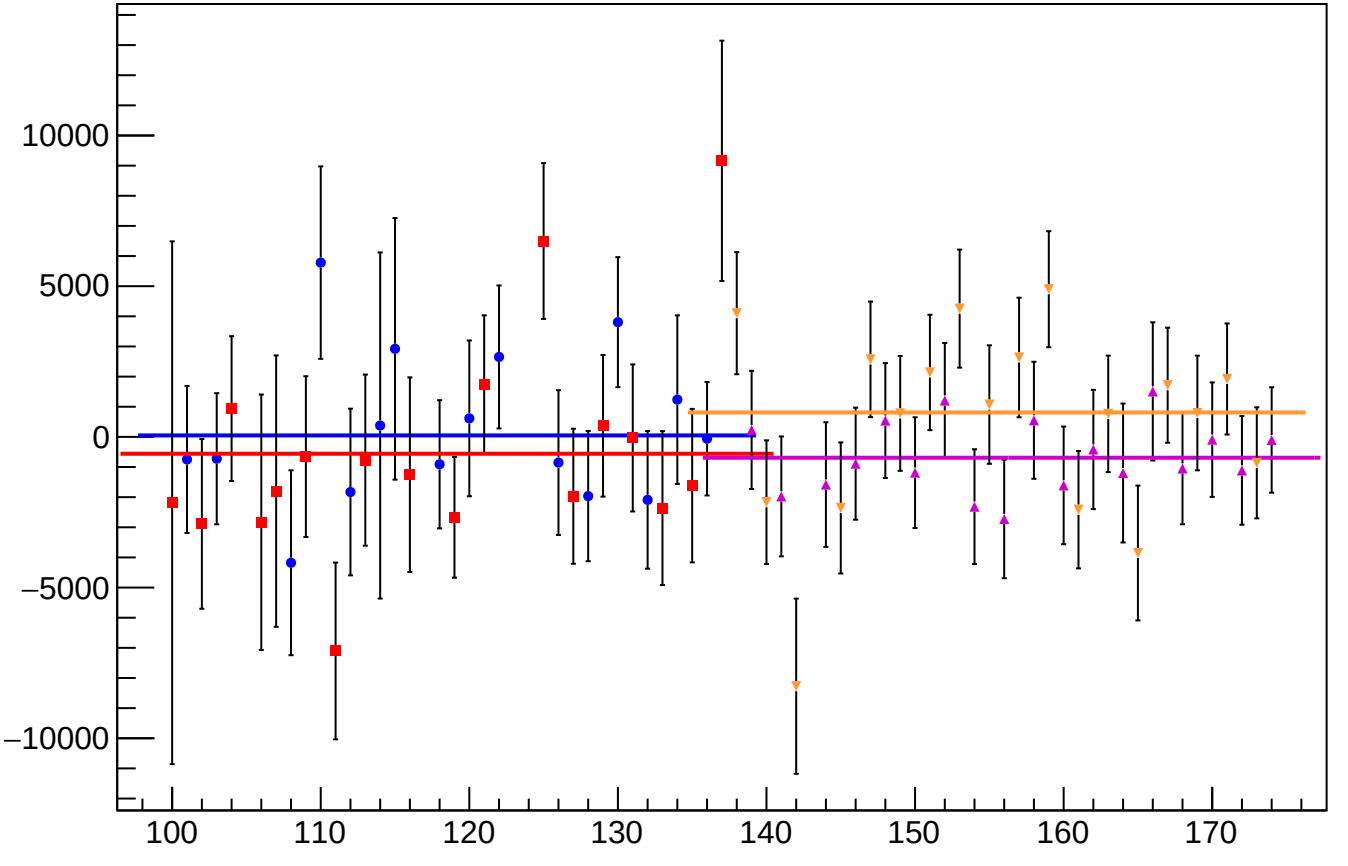
Right: 591.664+/-0.212 χ^2/NDF: 21015754.2/34

In: 3211.209+/-0.519 χ^2/NDF:5679455.5/33

Out: 522.415+/-0.165 χ^2/NDF:34153518.4/37

All: 769.505+/-0.157 χ^2/NDF: 64160791.6/71

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 48.331+/-626.151 χ^2/NDF: 12.8/15

Left Out: 809.982+/-468.985 χ^2/NDF:34.9/17

Right Out: -559.598+/-645.291 χ^2/NDF: 23.3/17

Left In: -692.168+/-457.311 χ^2/NDF:6.0/17

Left: 39.978+/-327.417 χ^2/NDF: 46.2/35

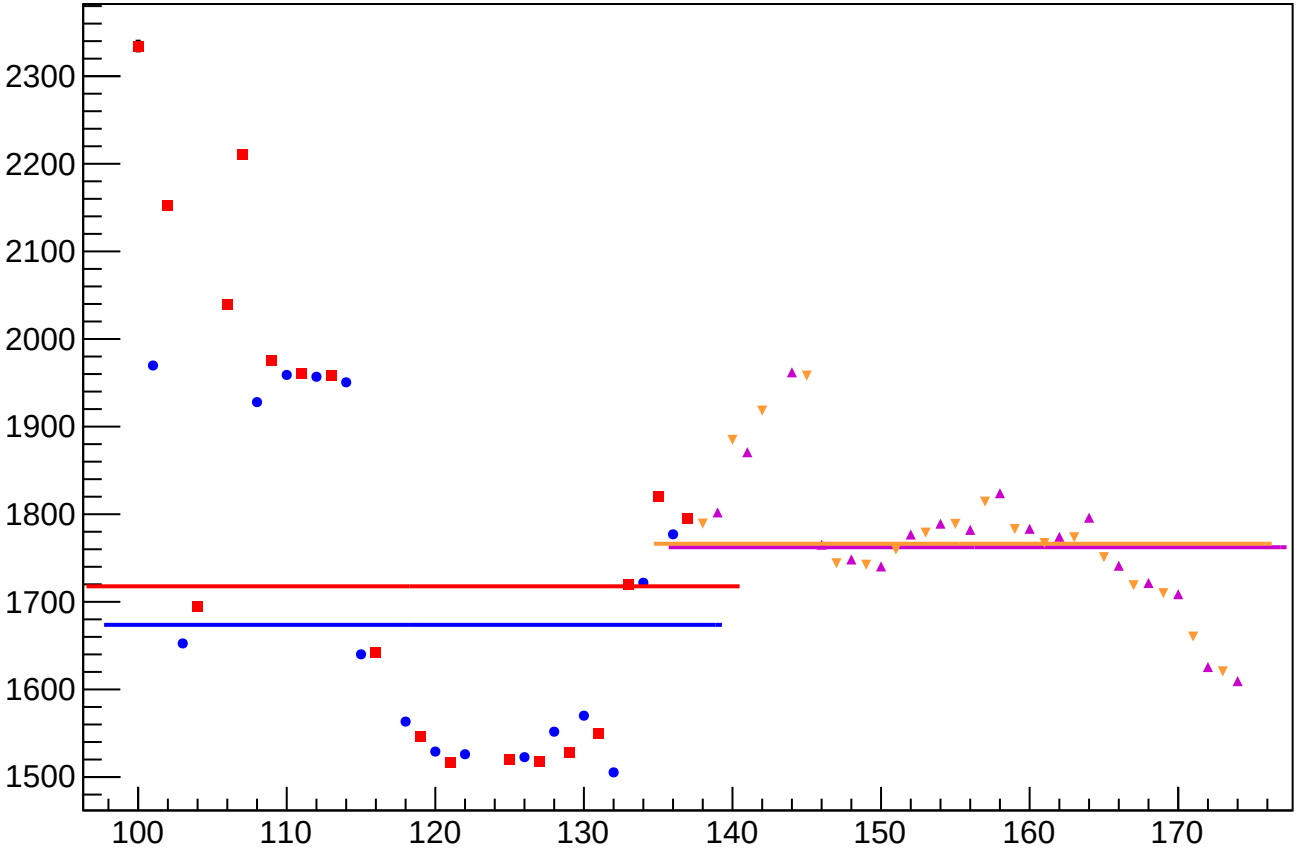
Right: -246.484+/-449.370 χ^2/NDF: 36.5/33

In: -434.578+/-369.302 χ^2/NDF:19.8/33

Out: 336.601+/-379.374 χ^2/NDF:61.2/35

All: -59.361+/-264.625 χ^2/NDF: 83.0/69

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1673.729+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1766.317+/-0.332 χ^2/NDF:52522.9/17

Right Out: 1717.713+/-0.455 χ^2/NDF: 227642.0/17

Left In: 1762.336+/-0.323 χ^2/NDF:58793.6/17

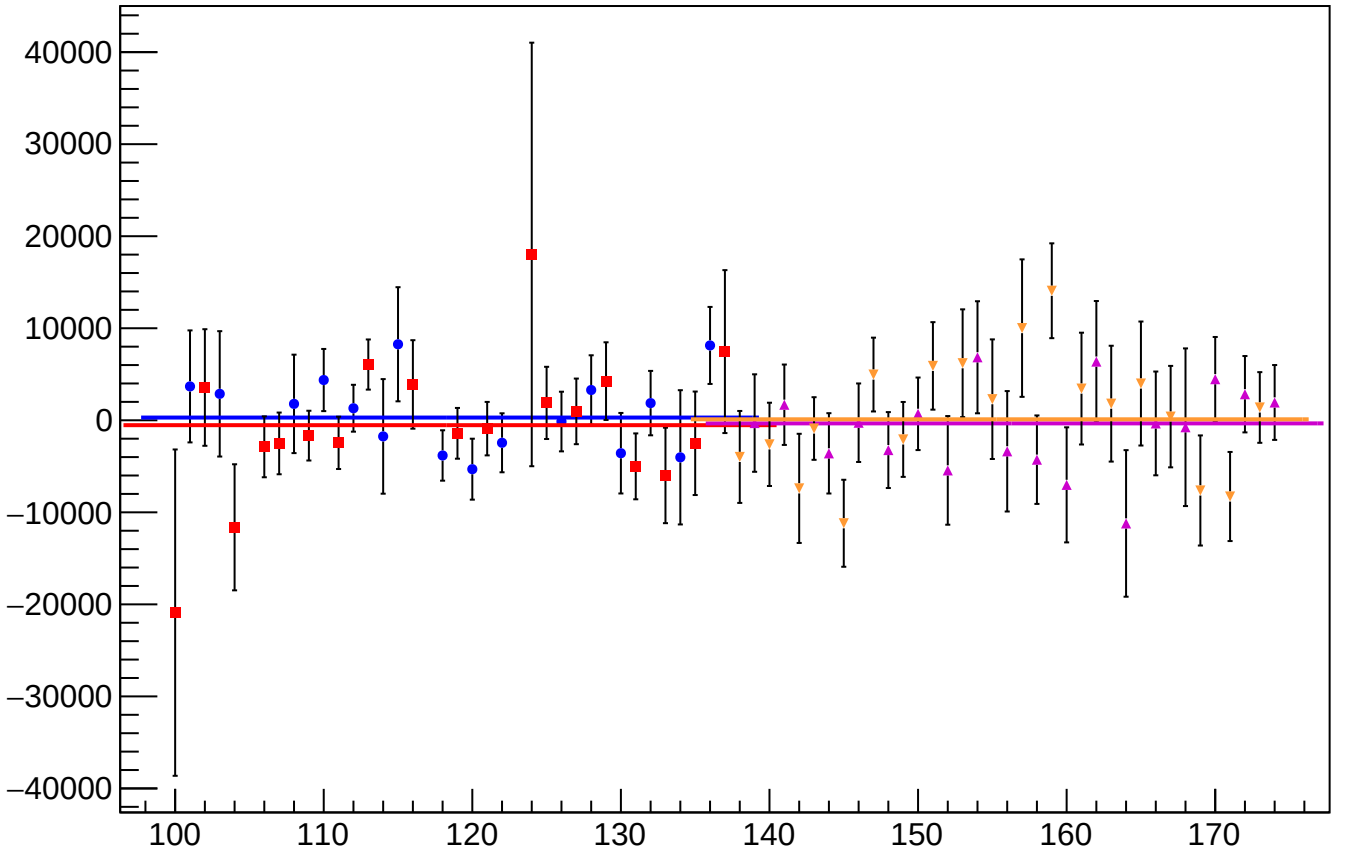
Left: 1764.276+/-0.232 χ^2/NDF: 111390.5/35

Right: 1695.110+/-0.317 χ^2/NDF: 373312.6/33

In: 1731.513+/-0.261 χ^2/NDF:225785.3/33

Out: 1749.467+/-0.268 χ^2/NDF:287612.2/35

All: 1740.256+/-0.187 χ^2/NDF: 515699.4/69



Right In: 296.517+/-964.677 χ^2/NDF: 15.3/15

Left Out: 106.637+/-1139.884 χ^2/NDF:27.5/18

Right Out: -531.007+/-883.969 χ^2/NDF: 18.8/18

Left In: -336.588+/-1181.199 χ^2/NDF:10.4/17

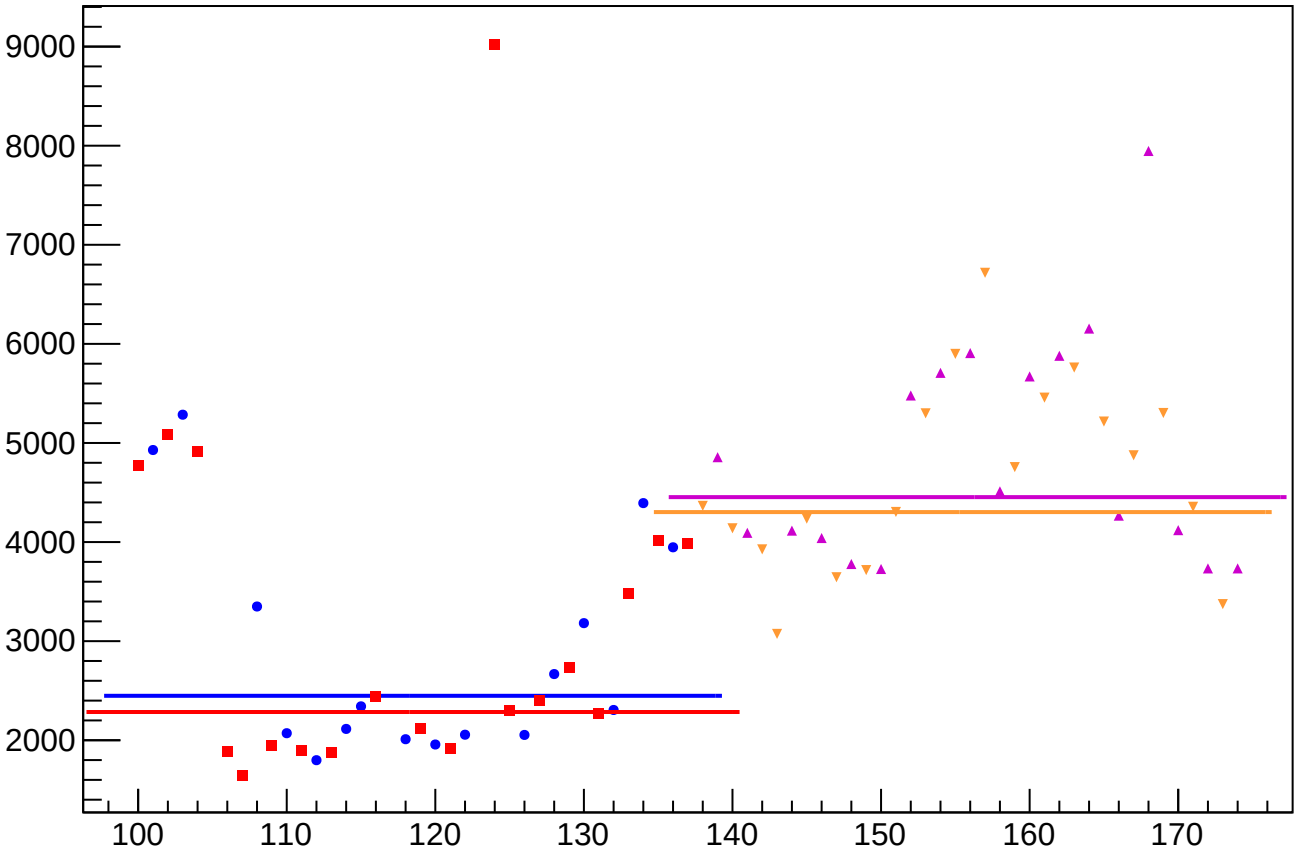
Left: -107.089+/-820.237 χ^2/NDF: 38.0/36

Right: -153.305+/-651.728 χ^2/NDF: 34.4/34

In: 43.201+/-747.164 χ^2/NDF:25.8/33

Out: -291.546+/-698.536 χ^2/NDF:46.4/37

All: -135.419+/-510.265 χ^2/NDF: 72.4/71



Right In: 2448.598+/-0.682 χ^2/NDF: 1517585.7/15

Left Out: 4302.598+/-0.806 χ^2/NDF:1182444.8/18

Right Out: 2285.075+/-0.625 χ^2/NDF: 1548819.2/18

Left In: 4453.530+/-0.835 χ^2/NDF:1150734.4/17

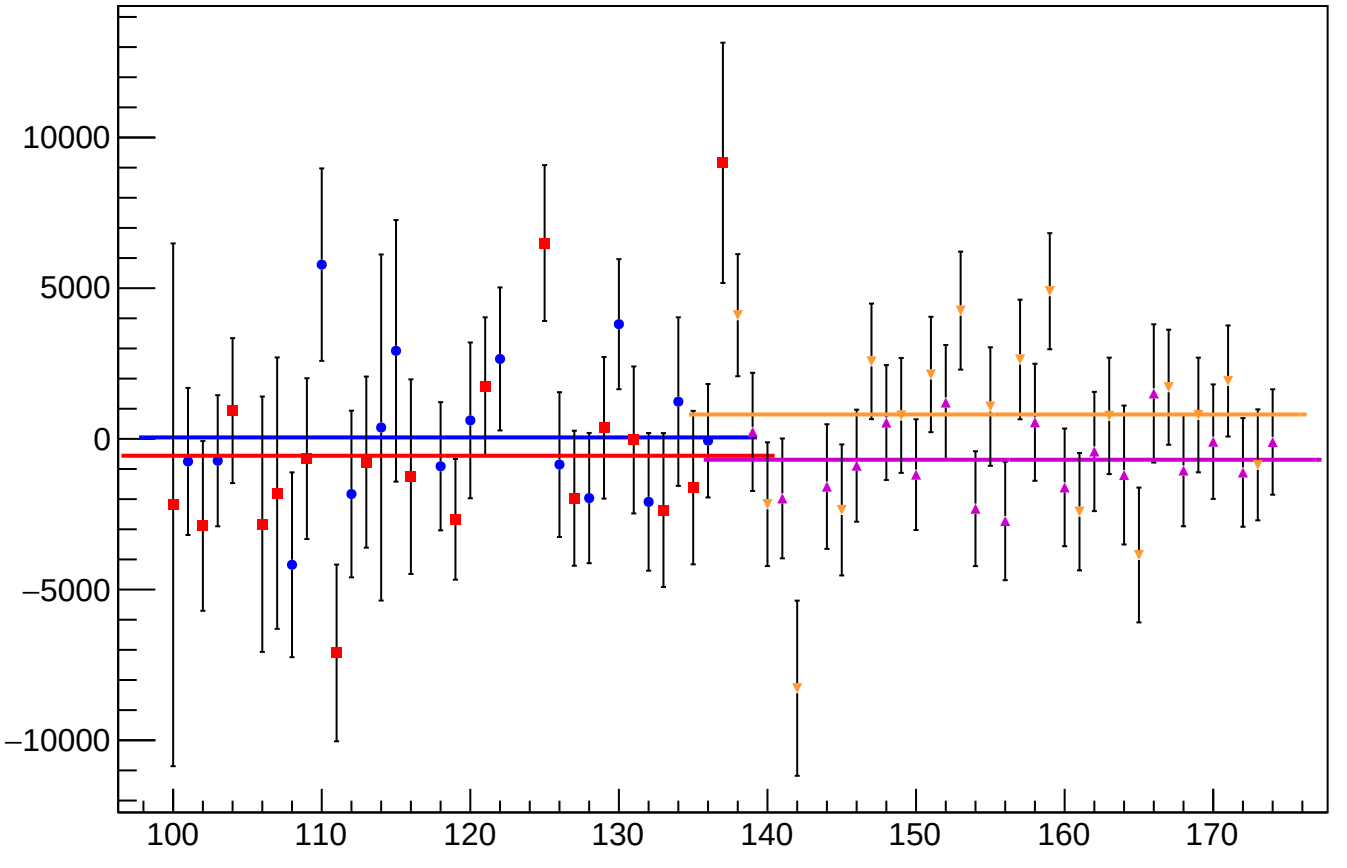
Left: 4375.378+/-0.580 χ^2/NDF: 2350087.8/36

Right: 2359.711+/-0.461 χ^2/NDF: 3097643.0/34

In: 3250.803+/-0.528 χ^2/NDF:6124933.3/33

Out: 3042.737+/-0.494 χ^2/NDF:6643725.5/37

All: 3139.779+/-0.361 χ^2/NDF: 12851417.9/7



Right In: 48.329+/-626.151 χ^2/NDF: 12.8/15

Left Out: 809.983+/-468.985 χ^2/NDF:34.9/17

Right Out: -559.600+/-645.291 χ^2/NDF: 23.3/17

Left In: -692.168+/-457.311 χ^2/NDF:6.0/17

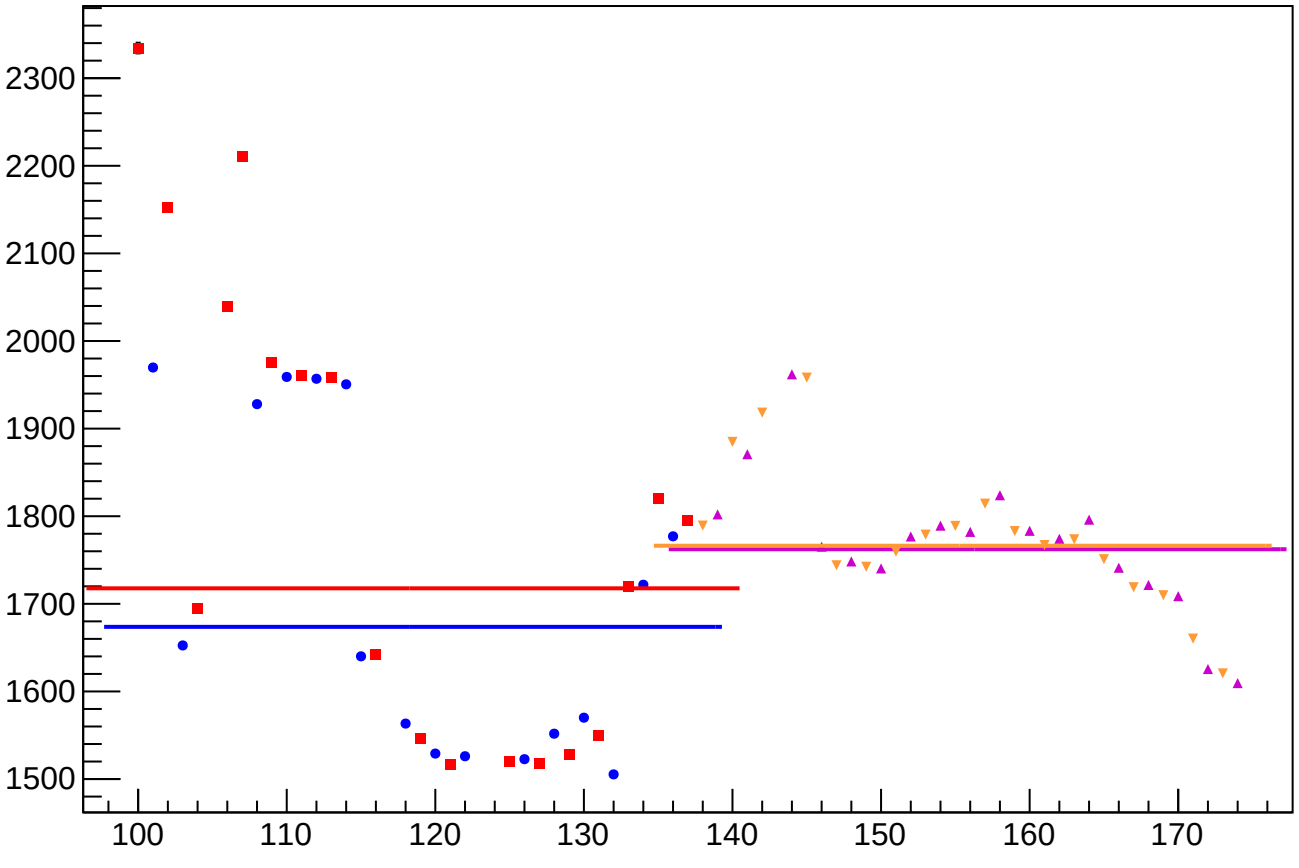
Left: 39.978+/-327.417 χ^2/NDF: 46.2/35

Right: -246.486+/-449.370 χ^2/NDF: 36.5/33

In: -434.578+/-369.302 χ^2/NDF:19.8/33

Out: 336.601+/-379.374 χ^2/NDF:61.2/35

All: -59.362+/-264.625 χ^2/NDF: 83.0/69



Right In: 1673.728+/-0.443 χ^2/NDF: 140873.1/15

Left Out: 1766.318+/-0.332 χ^2/NDF:52524.9/17

Right Out: 1717.713+/-0.455 χ^2/NDF: 227641.3/17

Left In: 1762.336+/-0.323 χ^2/NDF:58795.4/17

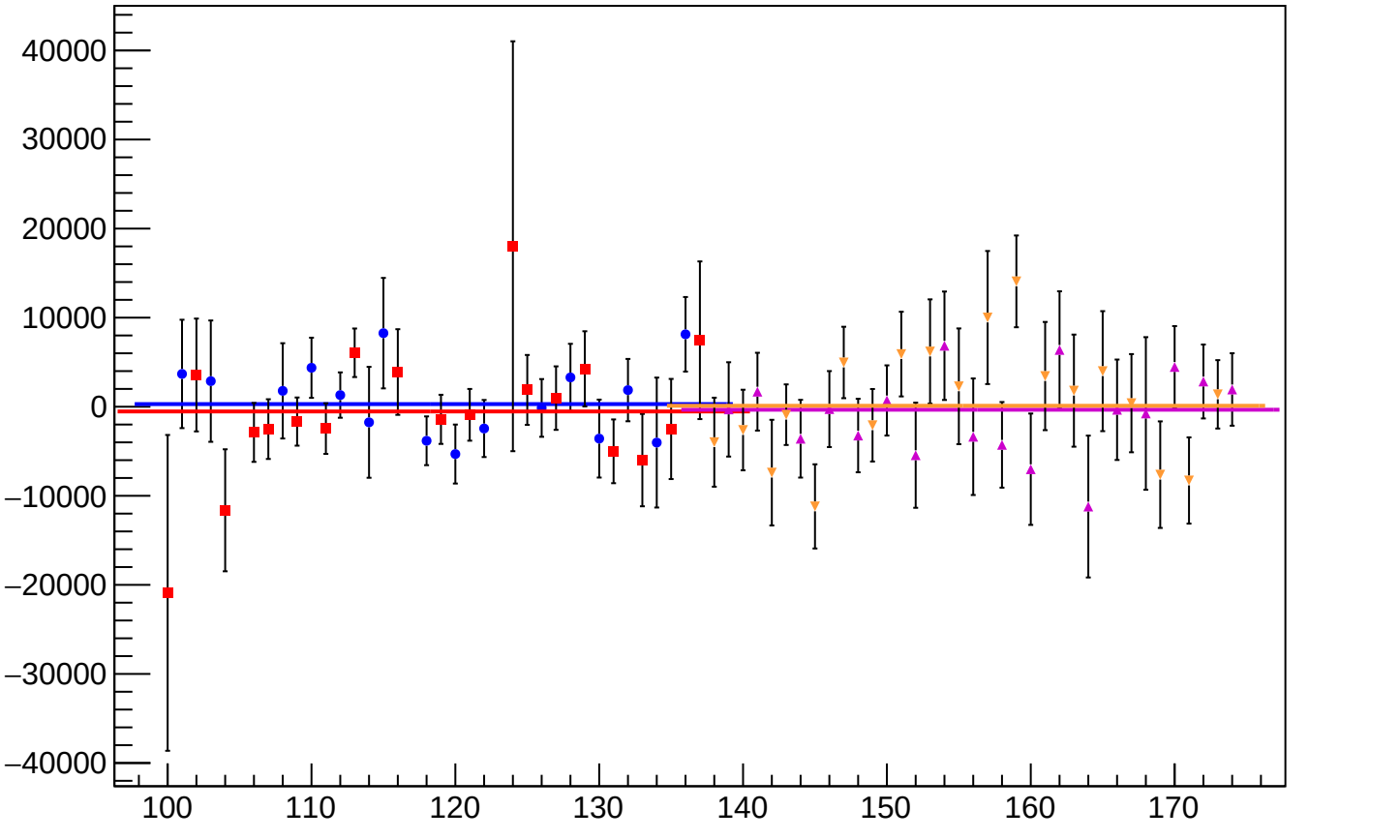
Left: 1764.277+/-0.232 χ^2/NDF: 111394.2/35

Right: 1695.110+/-0.317 χ^2/NDF: 373311.9/33

In: 1731.513+/-0.261 χ^2/NDF:225787.4/33

Out: 1749.467+/-0.268 χ^2/NDF:287613.6/35

All: 1740.256+/-0.187 χ^2/NDF: 515702.9/69



Right In: 296.511+/-964.673 χ^2/NDF: 15.3/15

Left Out: 106.641+/-1139.886 χ^2/NDF:27.5/18

Right Out: -531.009+/-883.966 χ^2/NDF: 18.8/18

Left In: -336.589+/-1181.201 χ^2/NDF:10.4/17

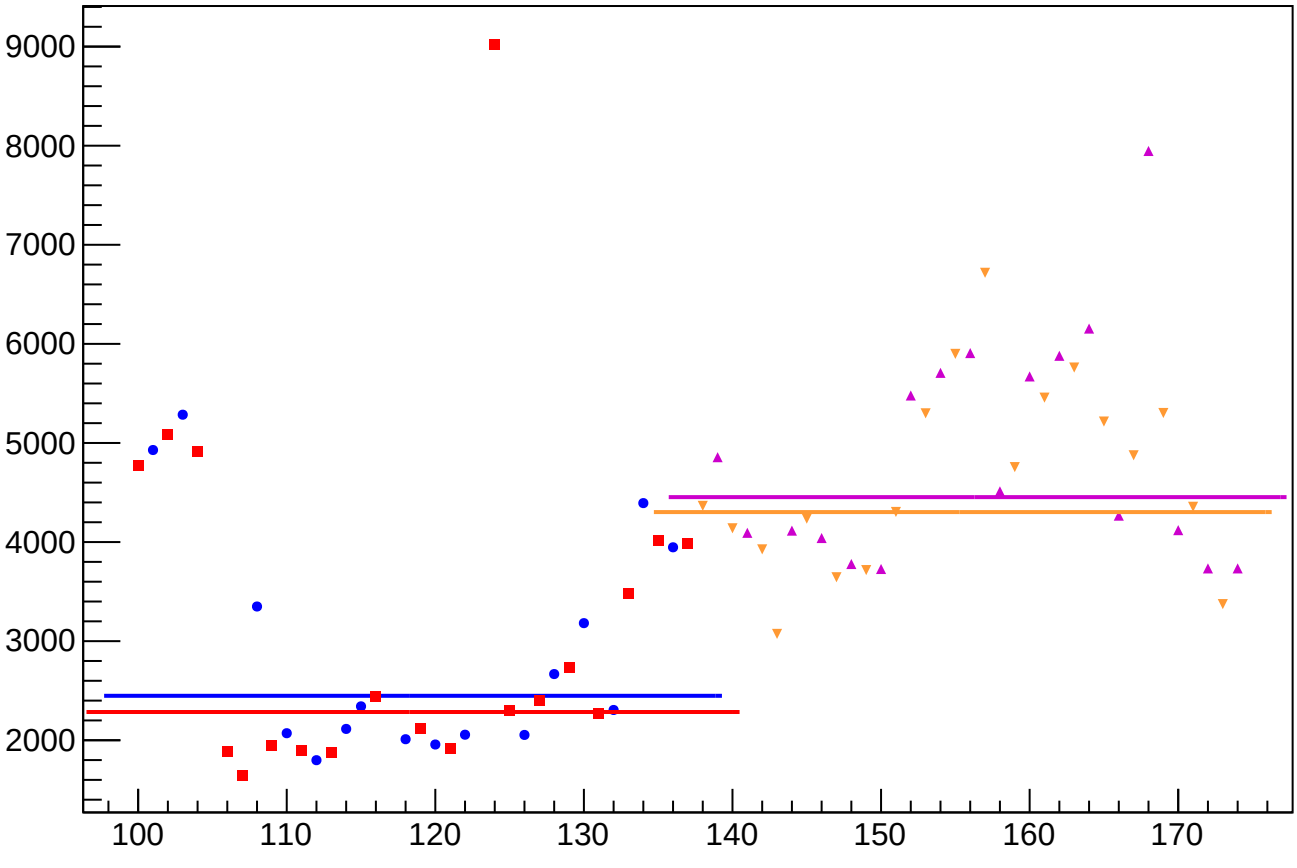
Left: -107.087+/-820.238 χ^2/NDF: 38.0/36

Right: -153.308+/-651.726 χ^2/NDF: 34.4/34

In: 43.199+/-747.162 χ^2/NDF:25.8/33

Out: -291.547+/-698.535 χ^2/NDF:46.4/37

All: -135.420+/-510.265 χ^2/NDF: 72.4/71



Right In: 2448.587+/-0.682 χ^2/NDF: 1517598.4/15

Left Out: 4302.604+/-0.806 χ^2/NDF:1182446.2/18

Right Out: 2285.066+/-0.625 χ^2/NDF: 1548827.3/18

Left In: 4453.537+/-0.835 χ^2/NDF:1150734.4/17

Left: 4375.385+/-0.580 χ^2/NDF: 2350089.2/36

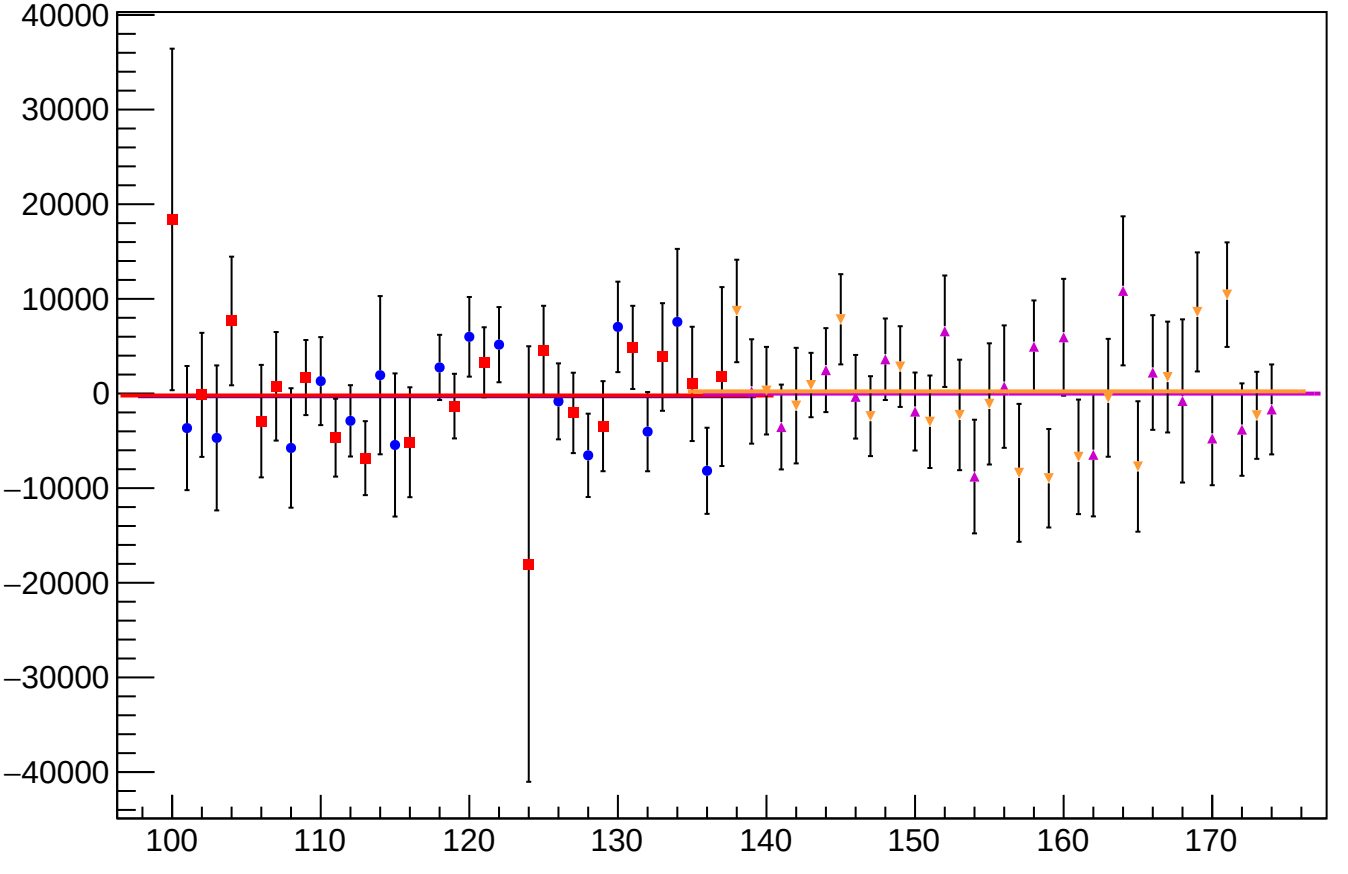
Right: 2359.701+/-0.461 χ^2/NDF: 3097663.3/34

In: 3250.794+/-0.528 χ^2/NDF:6125011.3/33

Out: 3042.729+/-0.494 χ^2/NDF:6643796.6/37

All: 3139.771+/-0.361 χ^2/NDF: 12851566.2/7

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -287.276+/-1197.339 χ^2/NDF: 16.6/15

Left Out: 225.392+/-1187.446 χ^2/NDF:19.3/18

Right Out: -209.473+/-1153.742 χ^2/NDF: 12.9/18

Left In: -11.208+/-1236.897 χ^2/NDF:11.9/17

Left: 111.916+/-856.600 χ^2/NDF: 31.2/36

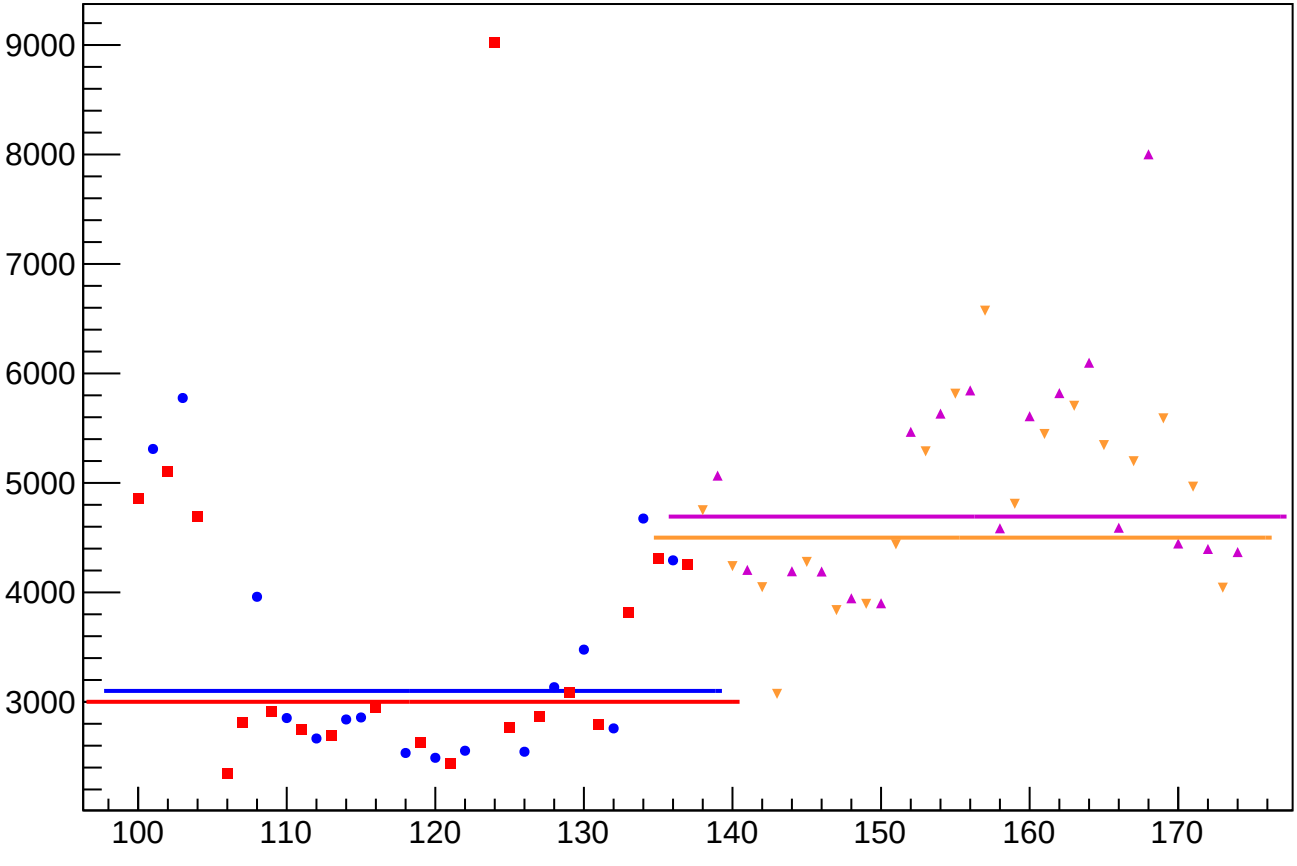
Right: -246.932+/-830.804 χ^2/NDF: 29.4/34

In: -153.727+/-860.291 χ^2/NDF:28.5/33

Out: 1.701+/-827.478 χ^2/NDF:32.2/37

All: -72.993+/-596.378 χ^2/NDF: 60.7/71

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3100.135+/-0.847 χ^2/NDF: 963669.6/15

Left Out: 4500.285+/-0.840 χ^2/NDF:1033641.8/18

Right Out: 3000.750+/-0.805 χ^2/NDF: 806601.4/18

Left In: 4692.536+/-0.875 χ^2/NDF:850406.8/17

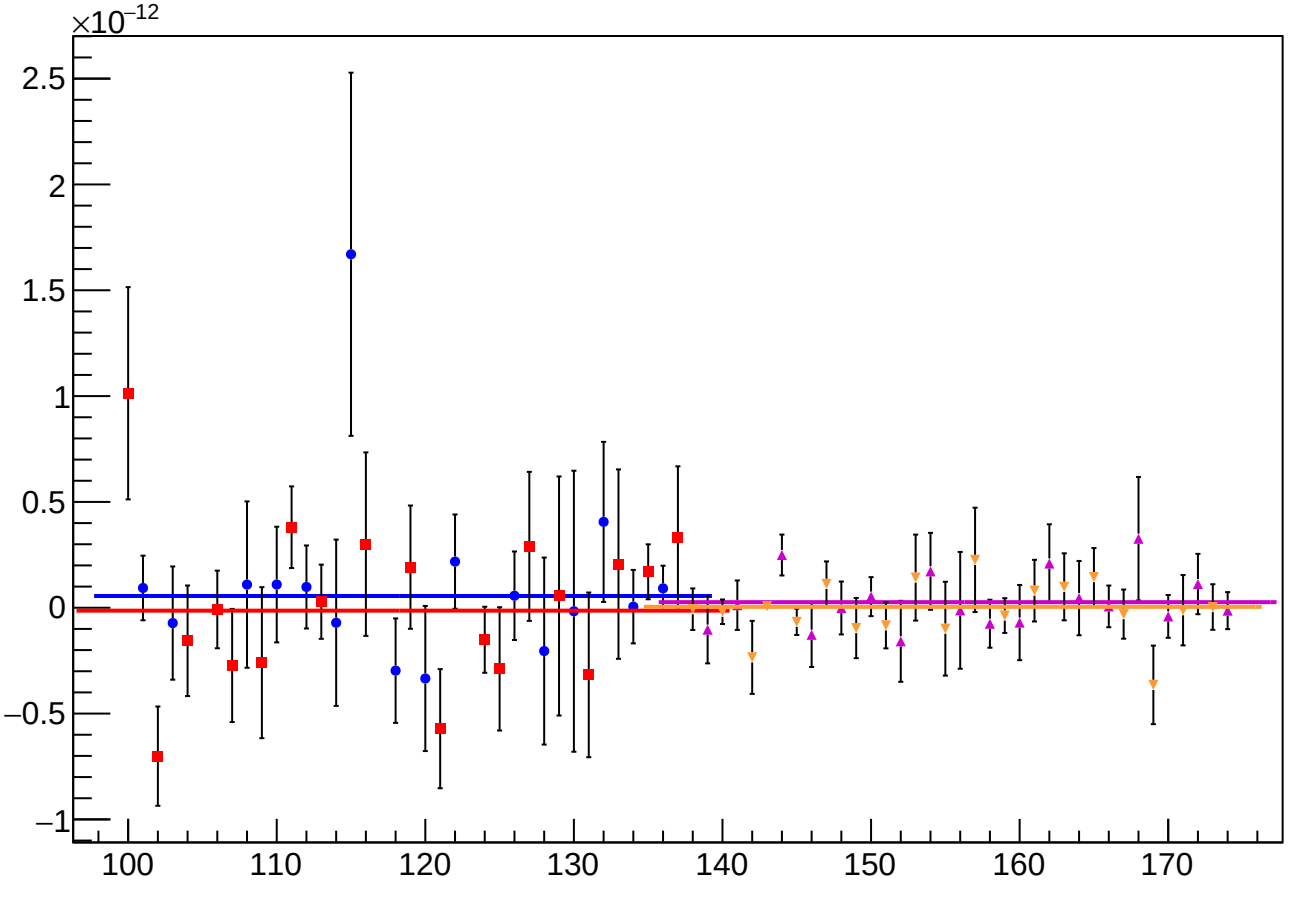
Left: 4592.491+/-0.606 χ^2/NDF: 1909192.2/36

Right: 3047.926+/-0.583 χ^2/NDF: 1777509.7/34

In: 3870.463+/-0.608 χ^2/NDF:3525374.5/33

Out: 3718.758+/-0.581 χ^2/NDF:3502518.9/37

All: 3791.129+/-0.420 χ^2/NDF: 7060417.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 30.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/17

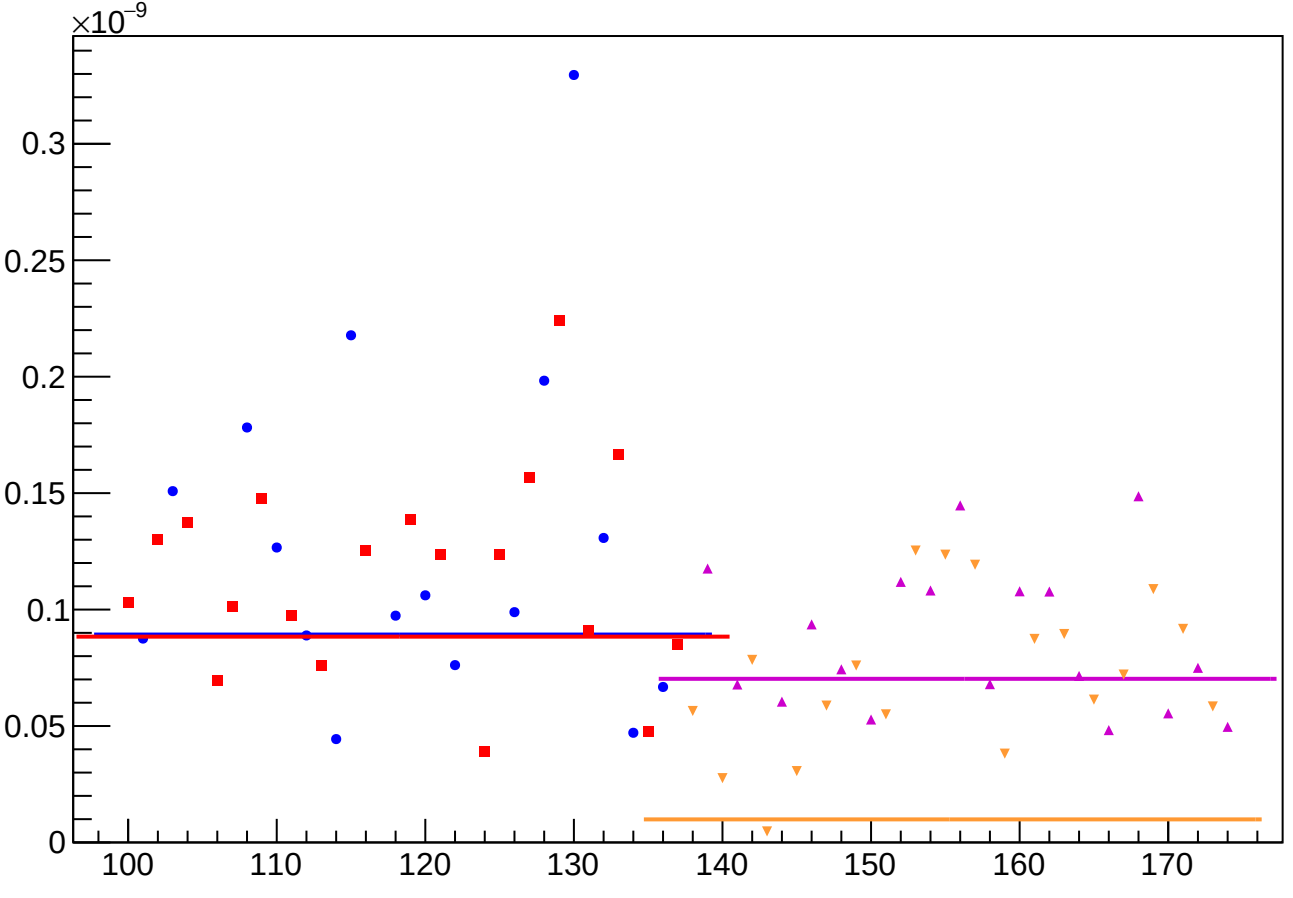
Left: 0.000+/-0.000 χ^2/NDF: 26.6/36

Right: 0.000+/-0.000 χ^2/NDF: 40.1/34

In: 0.000+/-0.000 χ^2/NDF:22.5/33

Out: 0.000+/-0.000 χ^2/NDF:43.3/37

All: 0.000+/-0.000 χ^2/NDF: 66.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 949608.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:8228963.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1013814.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1219848.1/17

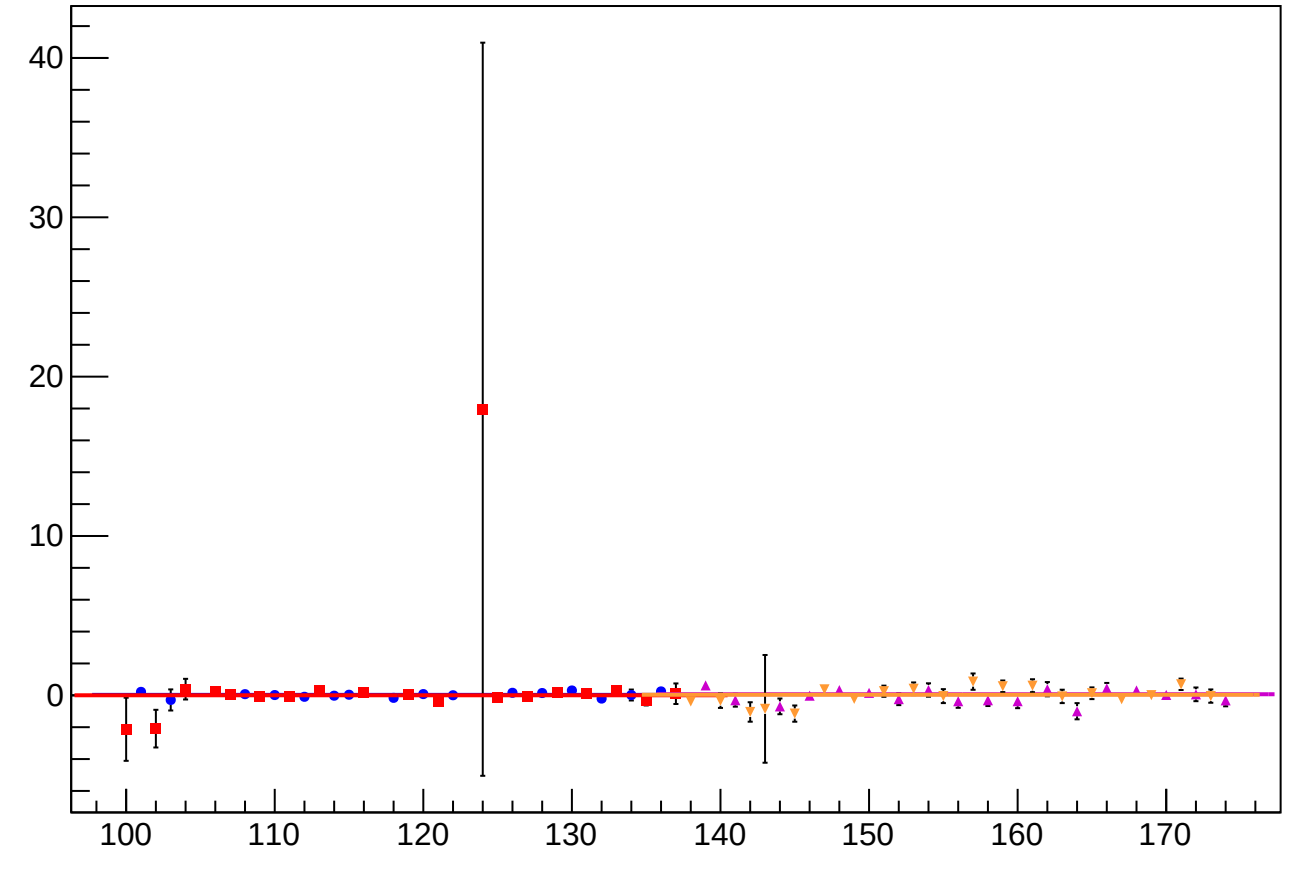
Left: 0.000+/-0.000 χ^2/NDF: 16748847.9/36

Right: 0.000+/-0.000 χ^2/NDF: 1963677.1/34

In: 0.000+/-0.000 χ^2/NDF:2344926.2/33

Out: 0.000+/-0.000 χ^2/NDF:13113922.2/37

All: 0.000+/-0.000 χ^2/NDF: 25492675.0/71



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

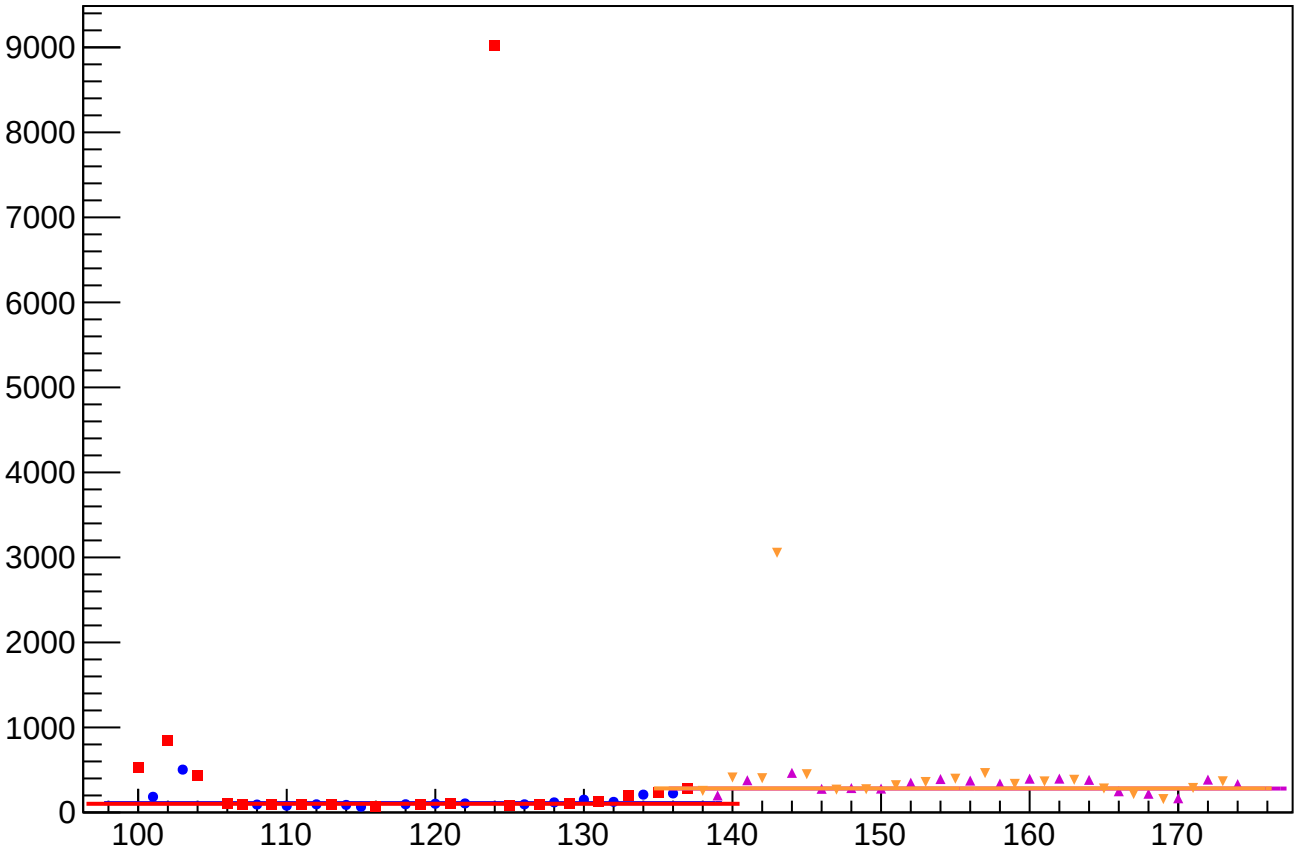
Left: 0.053+/-0.055 χ^2/NDF: 48.6/36

Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.024+/-0.027 χ^2/NDF: 80.3/71



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 283.214+/-0.056 χ^2/NDF:3793282.7/18

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

Left: 282.168+/-0.039 χ^2/NDF: 6189824.9/36

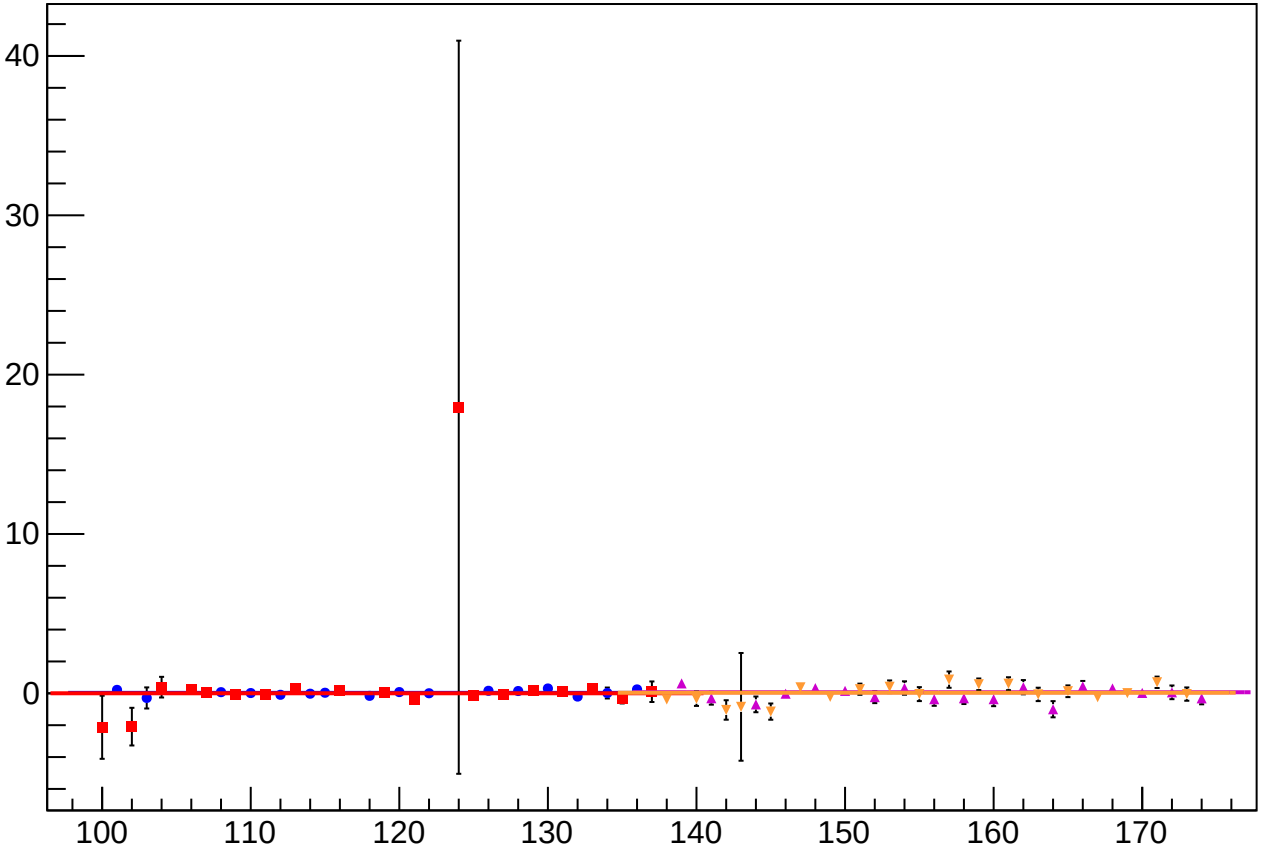
Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 153.827+/-0.028 χ^2/NDF:11640485.4/33

Out: 143.560+/-0.027 χ^2/NDF:14425675.3/37

All: 148.559+/-0.019 χ^2/NDF: 26137021.8/71

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

Left: 0.053+/-0.055 χ^2/NDF: 48.6/36

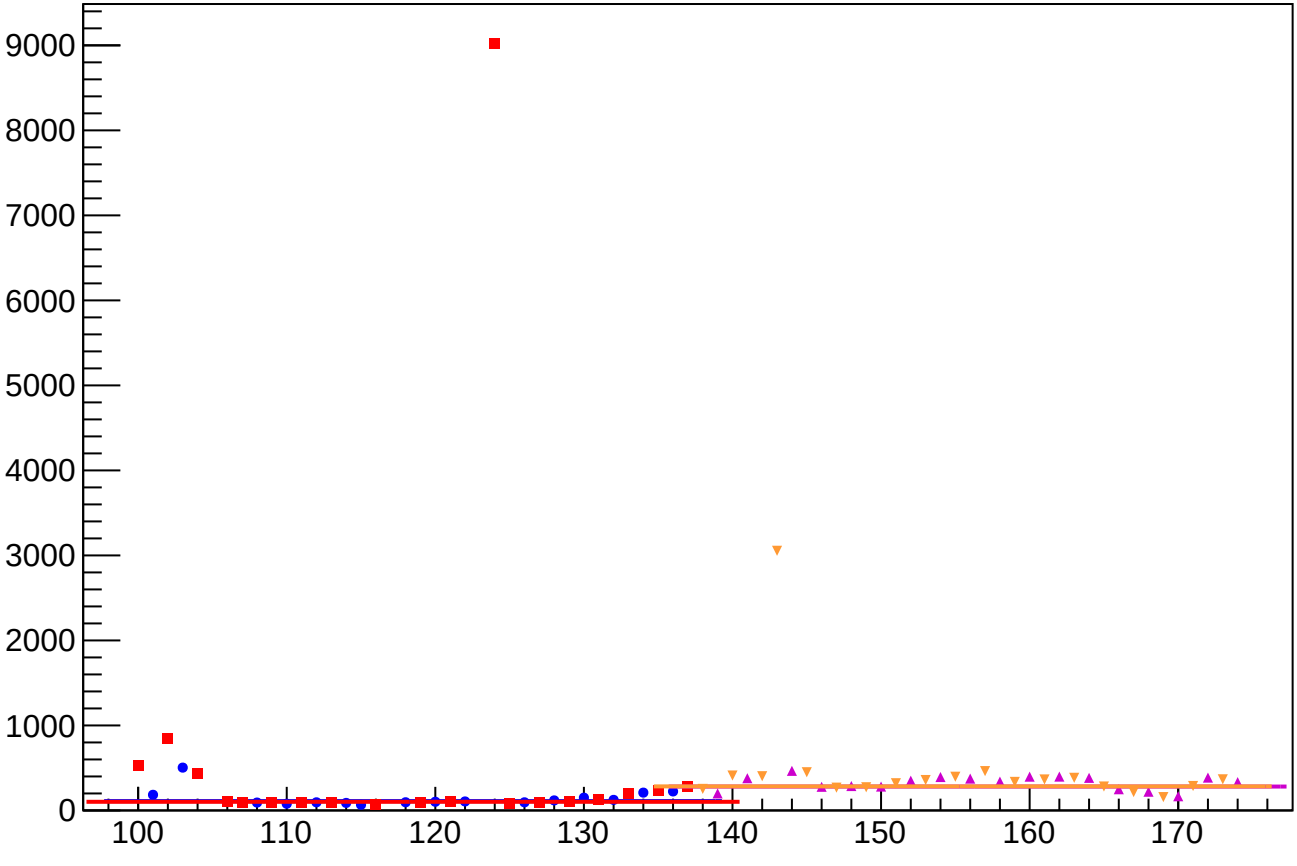
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.024+/-0.027 χ^2/NDF: 80.3/71

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.988+/-0.032 χ^2/NDF: 1930558.2/15

Left Out: 283.214+/-0.056 χ^2/NDF:3793282.7/18

Right Out: 101.852+/-0.031 χ^2/NDF: 2589792.8/18

Left In: 281.178+/-0.055 χ^2/NDF:2395865.9/17

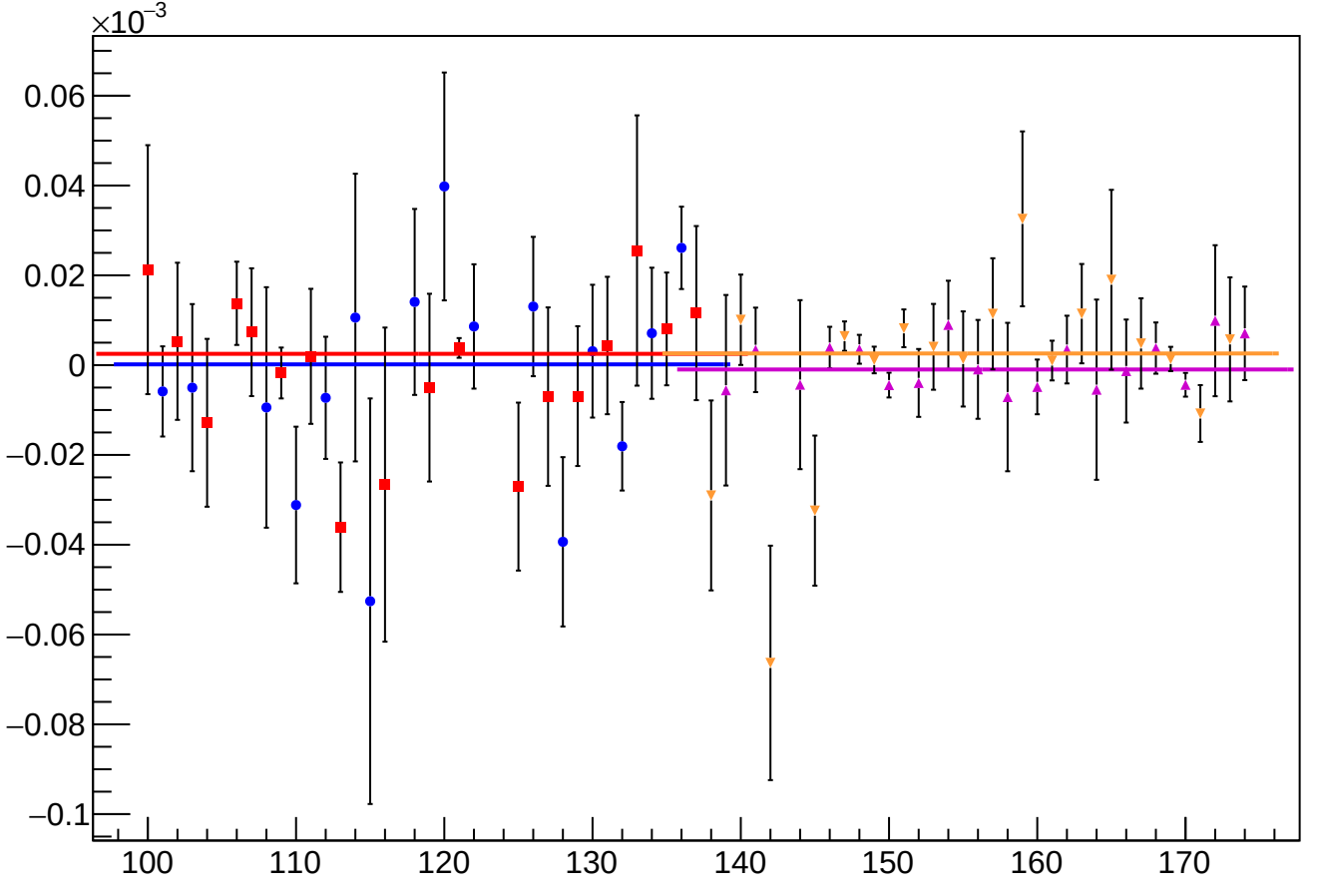
Left: 282.168+/-0.039 χ^2/NDF: 6189824.9/36

Right: 105.743+/-0.022 χ^2/NDF: 4554008.7/34

In: 153.827+/-0.028 χ^2/NDF:11640485.4/33

Out: 143.560+/-0.027 χ^2/NDF:14425675.3/37

All: 148.559+/-0.019 χ^2/NDF: 26137021.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.4/17

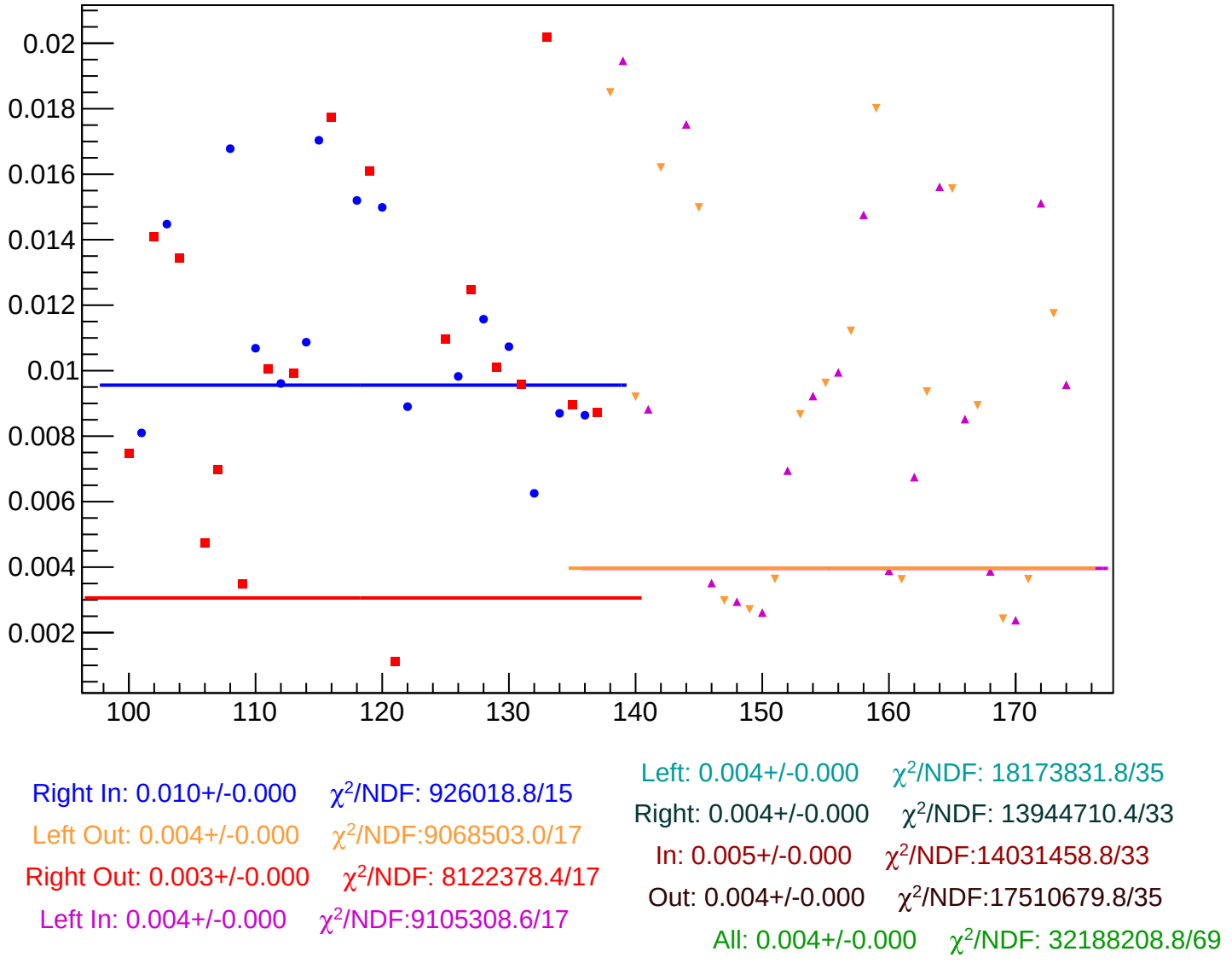
Left: 0.000+/-0.000 χ^2/NDF: 40.7/35

Right: 0.000+/-0.000 χ^2/NDF: 41.7/33

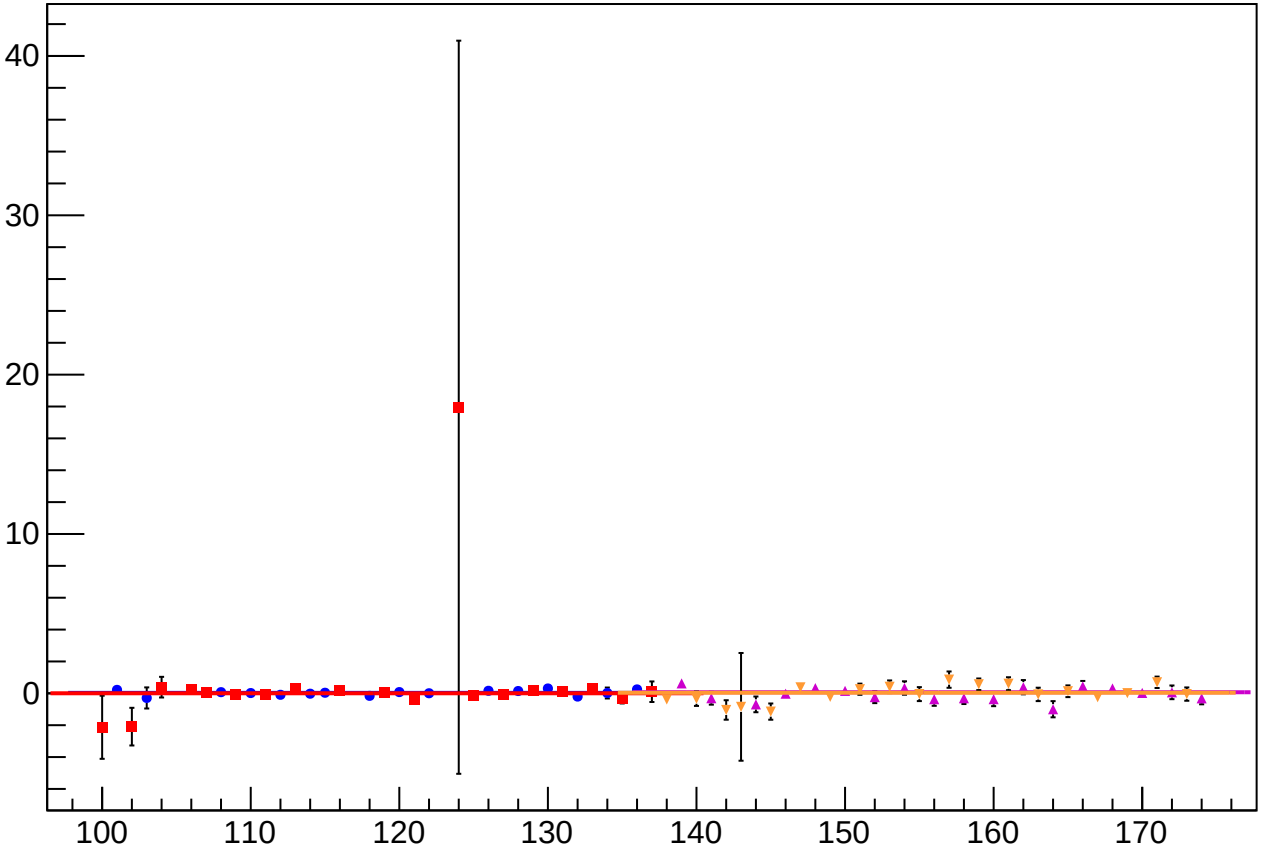
In: -0.000+/-0.000 χ^2/NDF:36.1/33

Out: 0.000+/-0.000 χ^2/NDF:42.4/35

All: 0.000+/-0.000 χ^2/NDF: 82.8/69


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
110
120
130
140
150
160
170
Right In: 0.010+/-0.000 χ²/NDF: 926018.8/15
Left Out: 0.004+/-0.000 χ²/NDF:9068503.0/17
Right Out: 0.003+/-0.000 χ²/NDF: 8122378.4/17
Left In: 0.004+/-0.000 χ²/NDF:9105308.6/17
Left: 0.004+/-0.000 χ²/NDF: 18173831.8/35
Right: 0.004+/-0.000 χ²/NDF: 13944710.4/33
In: 0.005+/-0.000 χ²/NDF:14031458.8/33
Out: 0.004+/-0.000 χ²/NDF:17510679.8/35
All: 0.004+/-0.000 χ²/NDF: 32188208.8/69

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.045 χ^2/NDF: 8.9/15

Left Out: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

Left: 0.053+/-0.055 χ^2/NDF: 48.6/36

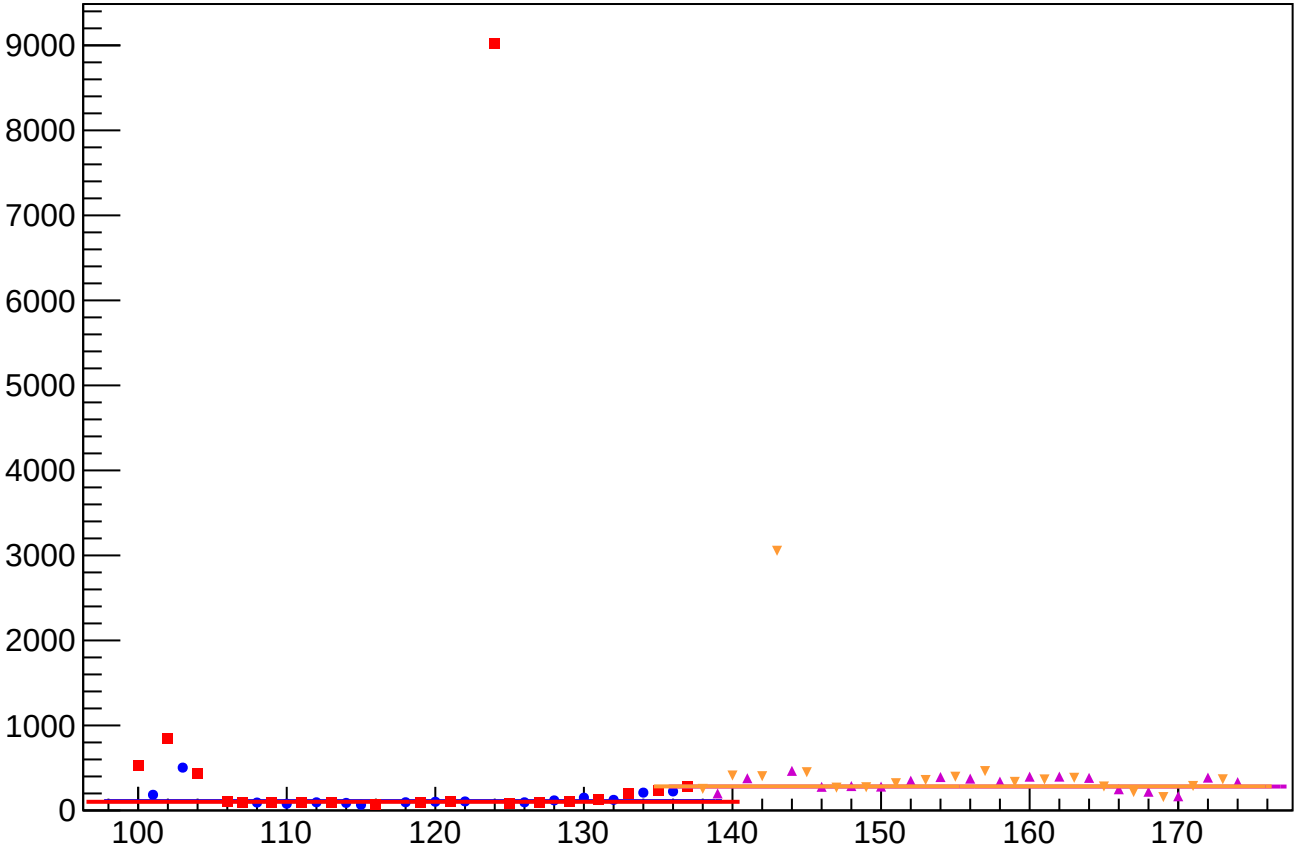
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.024+/-0.027 χ^2/NDF: 80.3/71

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 283.216+/-0.056 χ^2/NDF:3793341.0/18

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

Left: 282.171+/-0.039 χ^2/NDF: 6189834.1/36

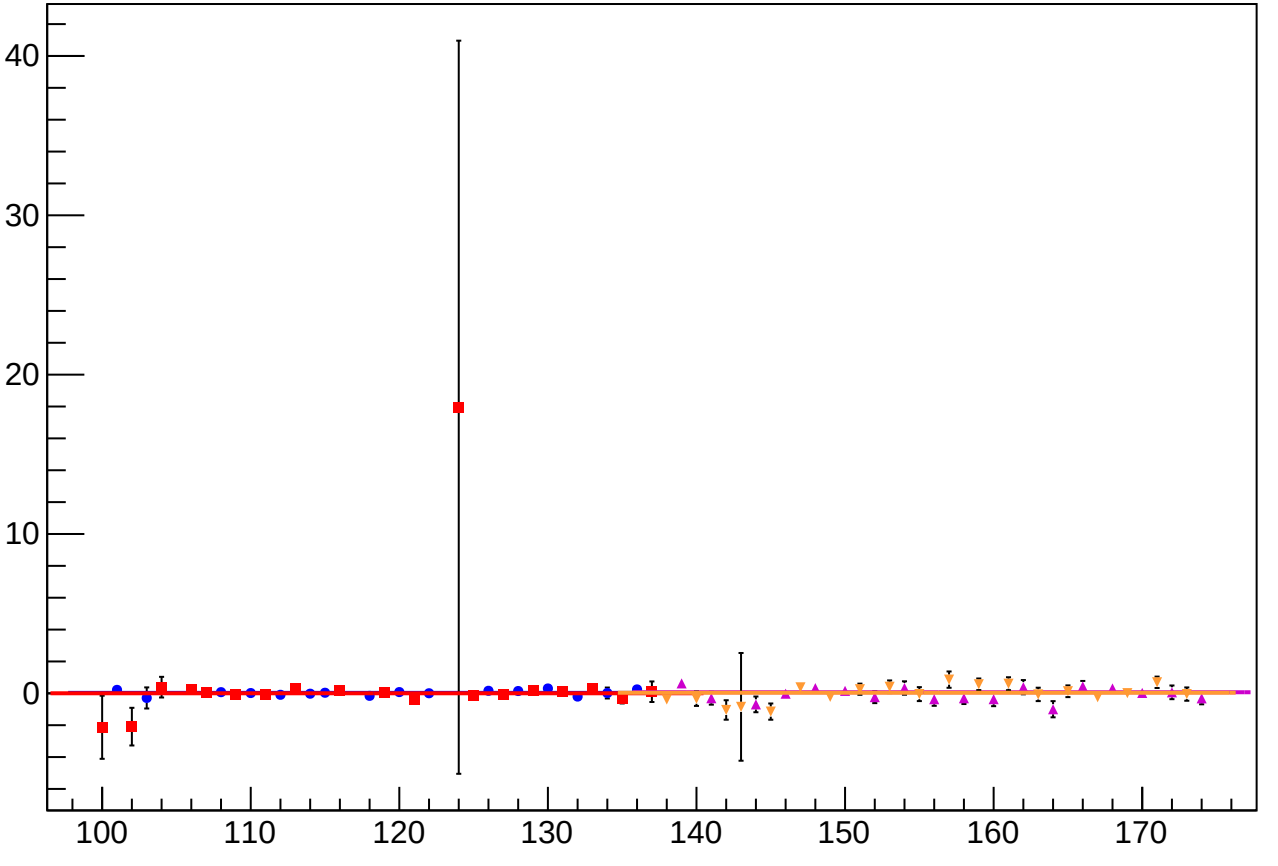
Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 153.828+/-0.028 χ^2/NDF:11640419.2/33

Out: 143.562+/-0.027 χ^2/NDF:14425580.1/37

All: 148.560+/-0.019 χ^2/NDF: 26136854.8/71

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: 0.037+/-0.079 χ^2/NDF:26.3/18

Right Out: 0.003+/-0.043 χ^2/NDF: 22.4/18

Left In: 0.068+/-0.077 χ^2/NDF:22.2/17

Left: 0.053+/-0.055 χ^2/NDF: 48.6/36

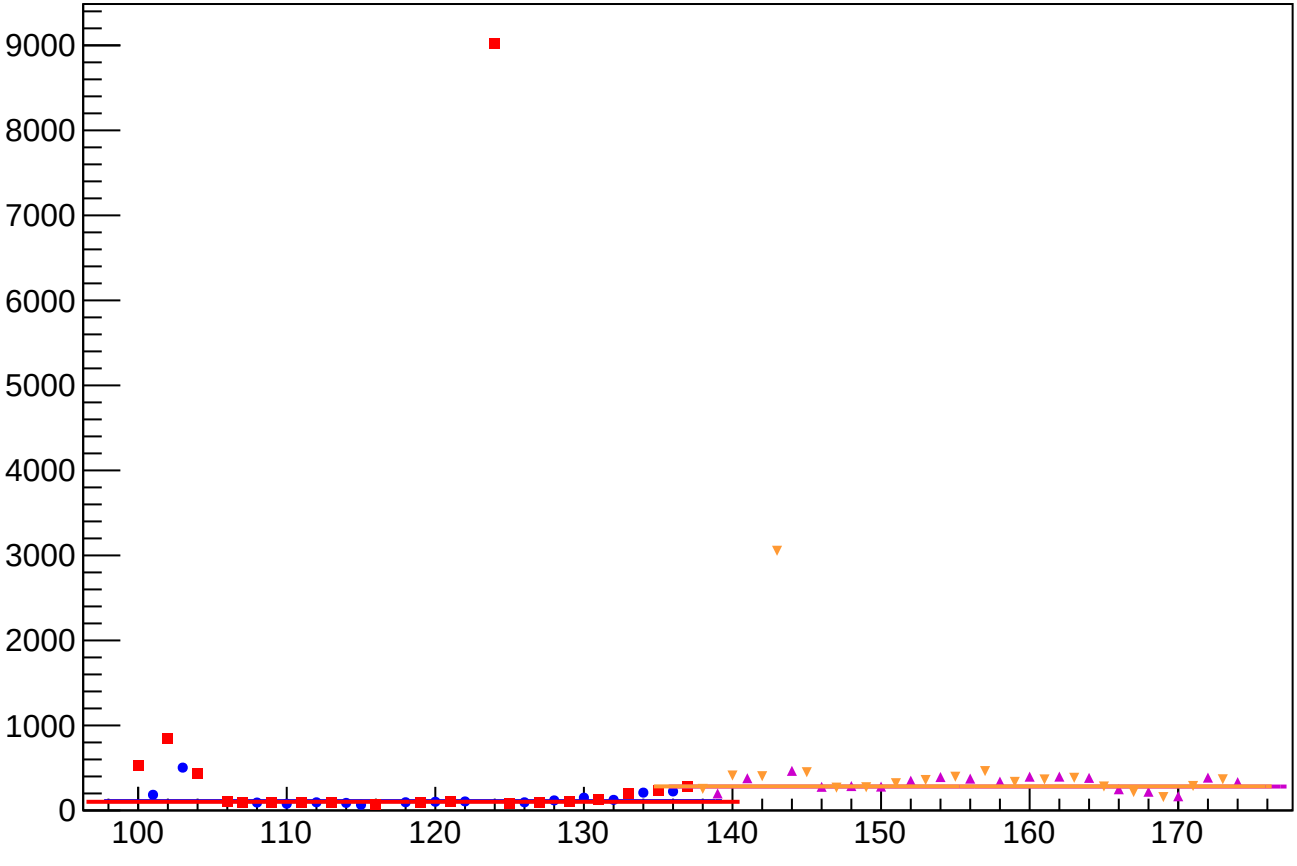
Right: 0.015+/-0.031 χ^2/NDF: 31.4/34

In: 0.038+/-0.039 χ^2/NDF:31.2/33

Out: 0.011+/-0.038 χ^2/NDF:48.8/37

All: 0.024+/-0.027 χ^2/NDF: 80.3/71

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 109.989+/-0.032 χ^2/NDF: 1930489.2/15

Left Out: 283.216+/-0.056 χ^2/NDF:3793341.0/18

Right Out: 101.853+/-0.031 χ^2/NDF: 2589710.5/18

Left In: 281.181+/-0.055 χ^2/NDF:2395817.8/17

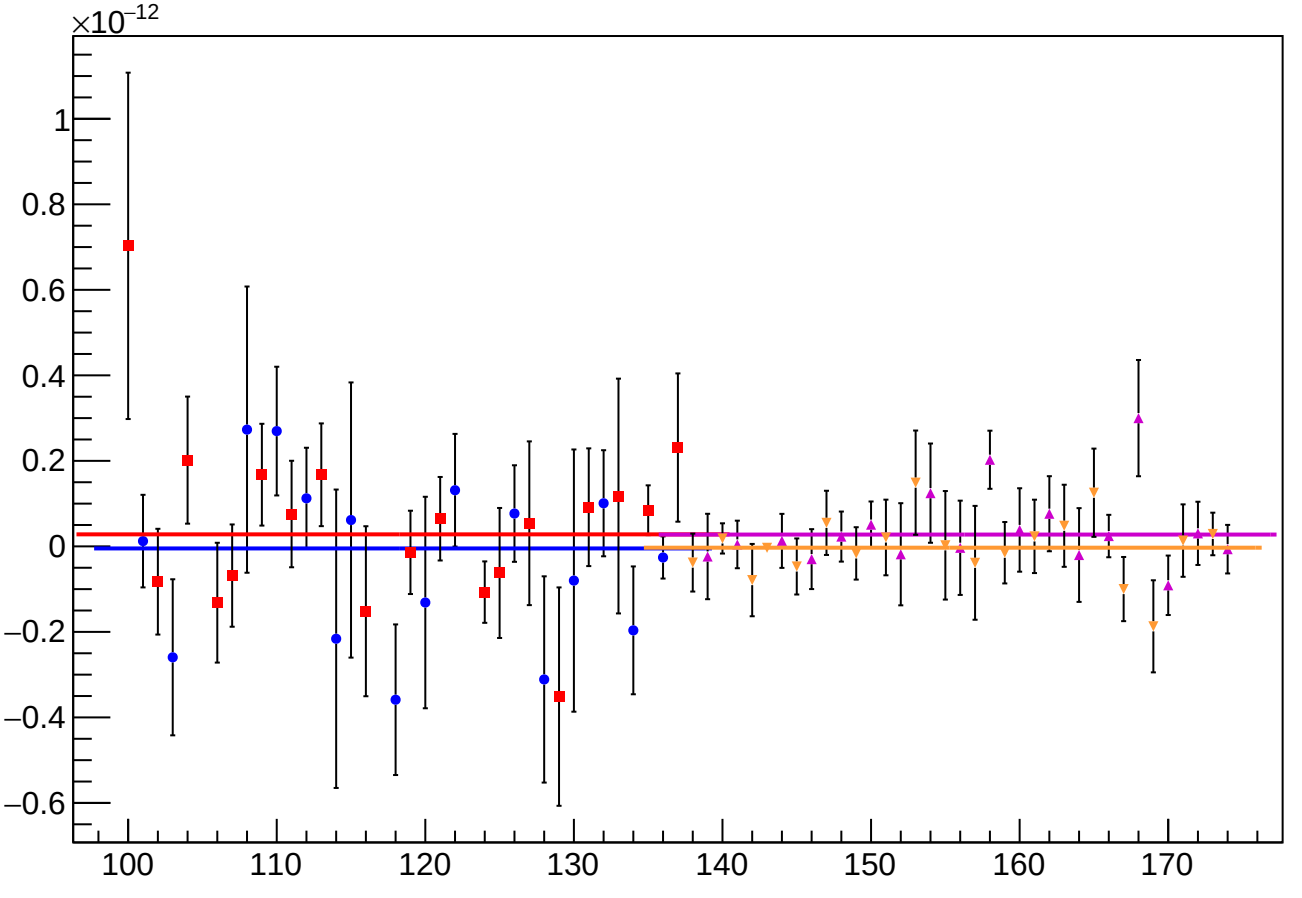
Left: 282.171+/-0.039 χ^2/NDF: 6189834.1/36

Right: 105.744+/-0.022 χ^2/NDF: 4553853.6/34

In: 153.828+/-0.028 χ^2/NDF:11640419.2/33

Out: 143.562+/-0.027 χ^2/NDF:14425580.1/37

All: 148.560+/-0.019 χ^2/NDF: 26136854.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.6/18

Left In: 0.000+/-0.000 χ^2/NDF:16.7/17

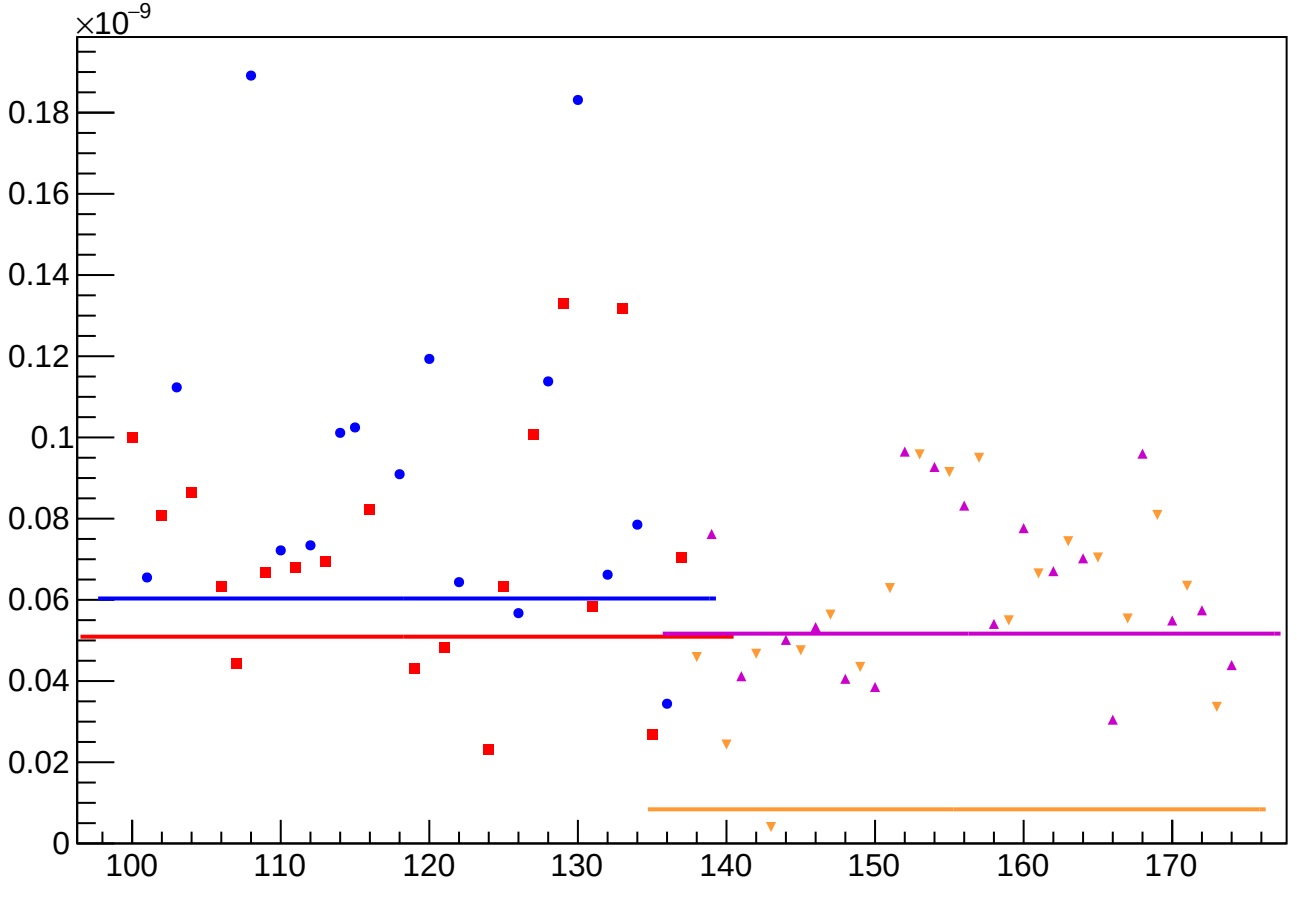
Left: -0.000+/-0.000 χ^2/NDF: 30.9/36

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:35.0/33

Out: -0.000+/-0.000 χ^2/NDF:32.1/37

All: 0.000+/-0.000 χ^2/NDF: 69.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 1746170.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14789470.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1667004.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1973518.5/17

Left: 0.000+/-0.000 χ^2/NDF: 28470849.7/36

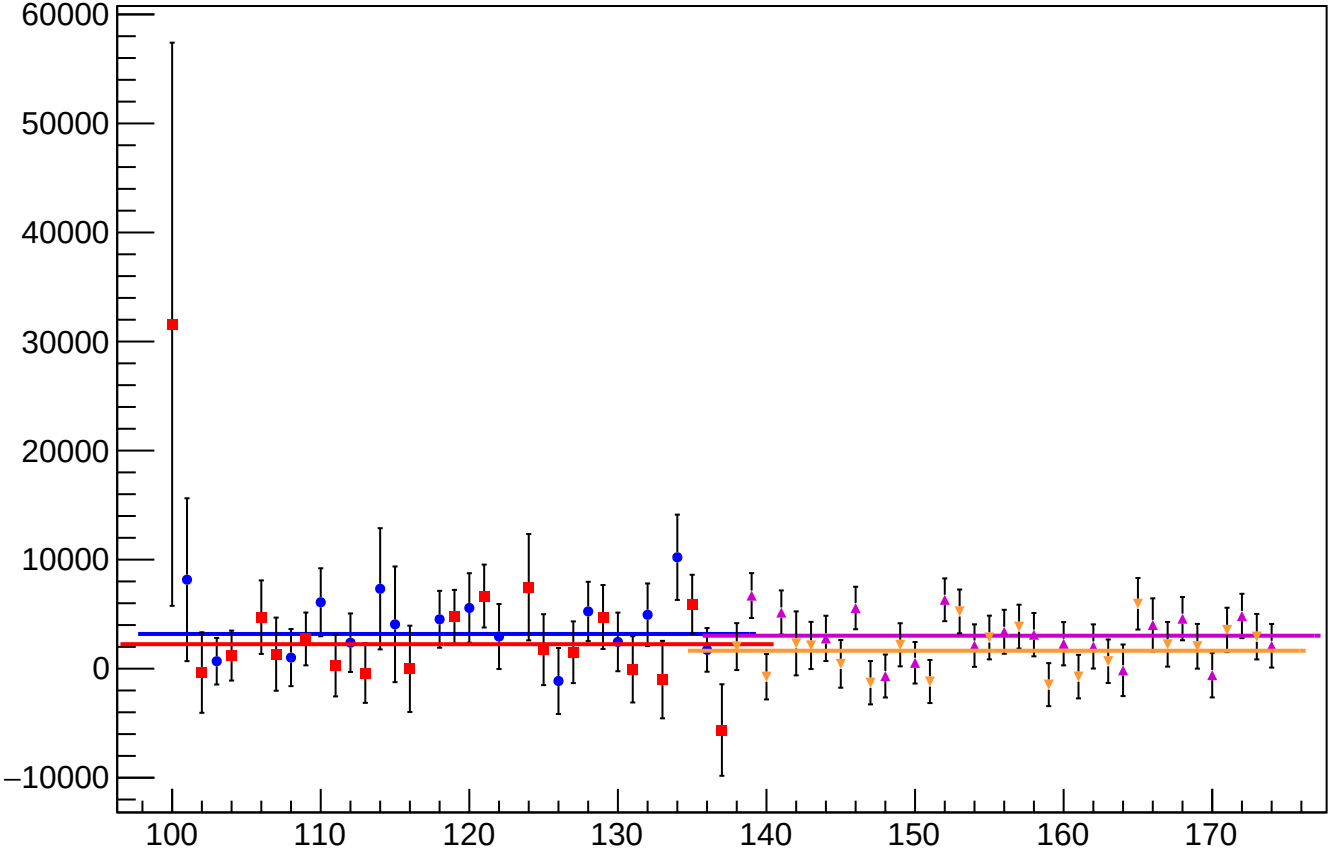
Right: 0.000+/-0.000 χ^2/NDF: 3514375.8/34

In: 0.000+/-0.000 χ^2/NDF:3835012.0/33

Out: 0.000+/-0.000 χ^2/NDF:21163088.1/37

All: 0.000+/-0.000 χ^2/NDF: 40025700.7/71

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3183.705+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1646.518+/-477.725 χ^2/NDF:19.7/18

Right Out: 2246.057+/-710.912 χ^2/NDF: 16.5/18

Left In: 3023.491+/-478.779 χ^2/NDF:21.4/17

Left: 2333.487+/-338.175 χ^2/NDF: 45.2/36

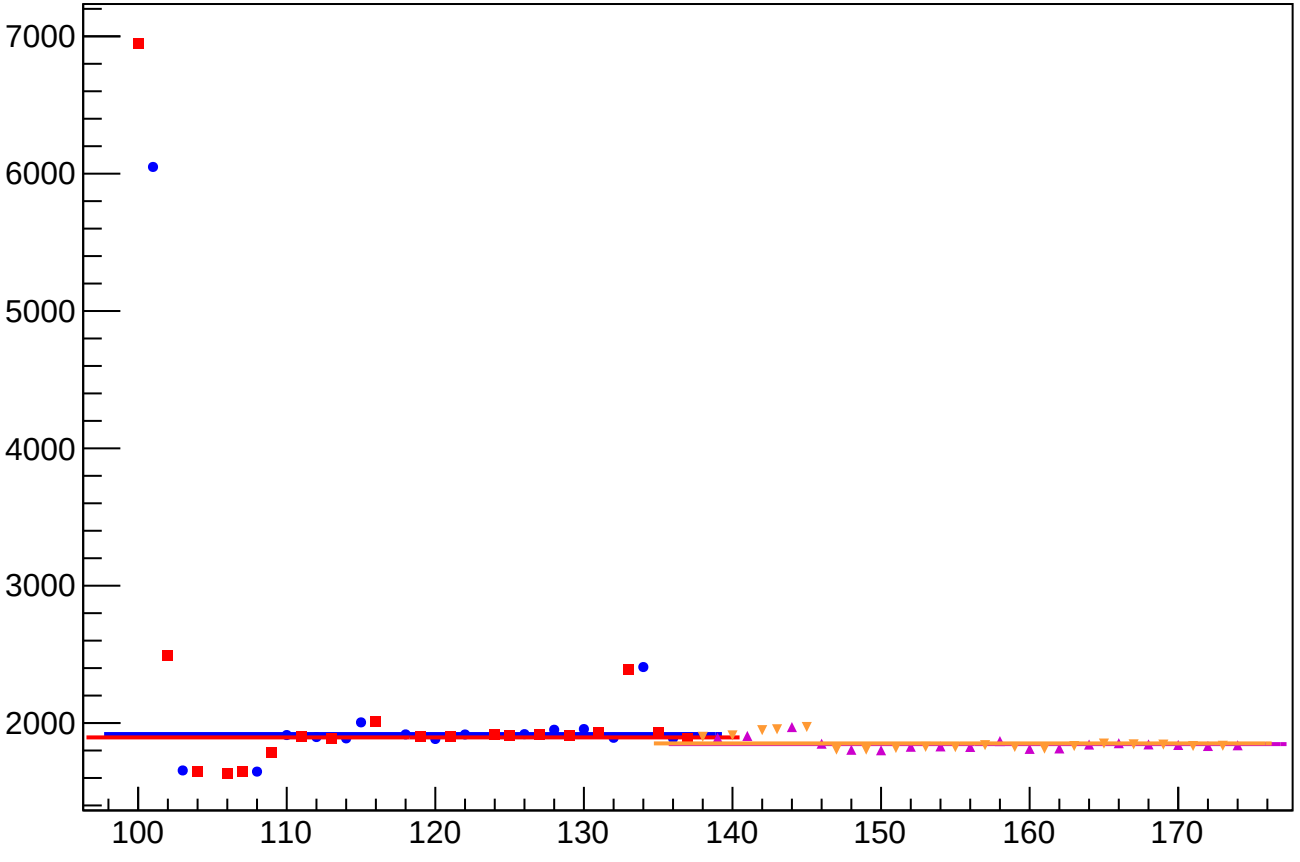
Right: 2701.735+/-509.689 χ^2/NDF: 29.1/34

In: 3071.575+/-400.540 χ^2/NDF:33.1/33

Out: 1833.029+/-396.515 χ^2/NDF:36.7/37

All: 2446.047+/-281.791 χ^2/NDF: 74.6/71

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697331.5/15

Left Out: 1851.688+/-0.338 χ^2/NDF:20331.0/18

Right Out: 1895.361+/-0.501 χ^2/NDF: 222273.9/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

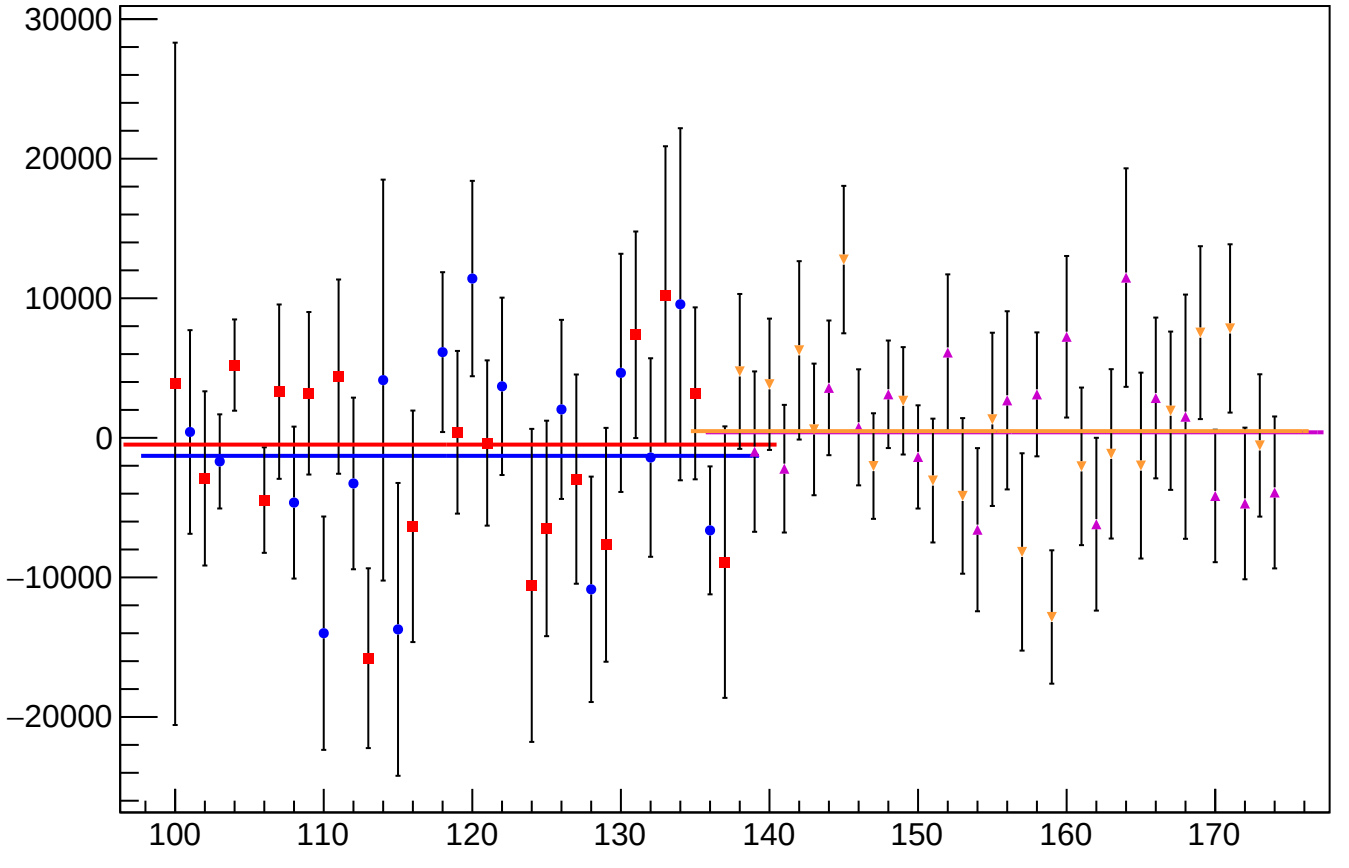
Left: 1849.146+/-0.239 χ^2/NDF: 34339.3/36

Right: 1907.209+/-0.360 χ^2/NDF: 920760.5/34

In: 1868.572+/-0.283 χ^2/NDF:725270.0/33

Out: 1865.340+/-0.280 χ^2/NDF:247829.7/37

All: 1866.938+/-0.199 χ^2/NDF: 973165.6/71



Right In: -1290.495+/-1585.432 χ^2/NDF: 14.3/15

Left Out: 479.505+/-1197.455 χ^2/NDF:22.0/18

Right Out: -485.214+/-1437.465 χ^2/NDF: 17.2/18

Left In: 395.036+/-1209.696 χ^2/NDF:11.7/17

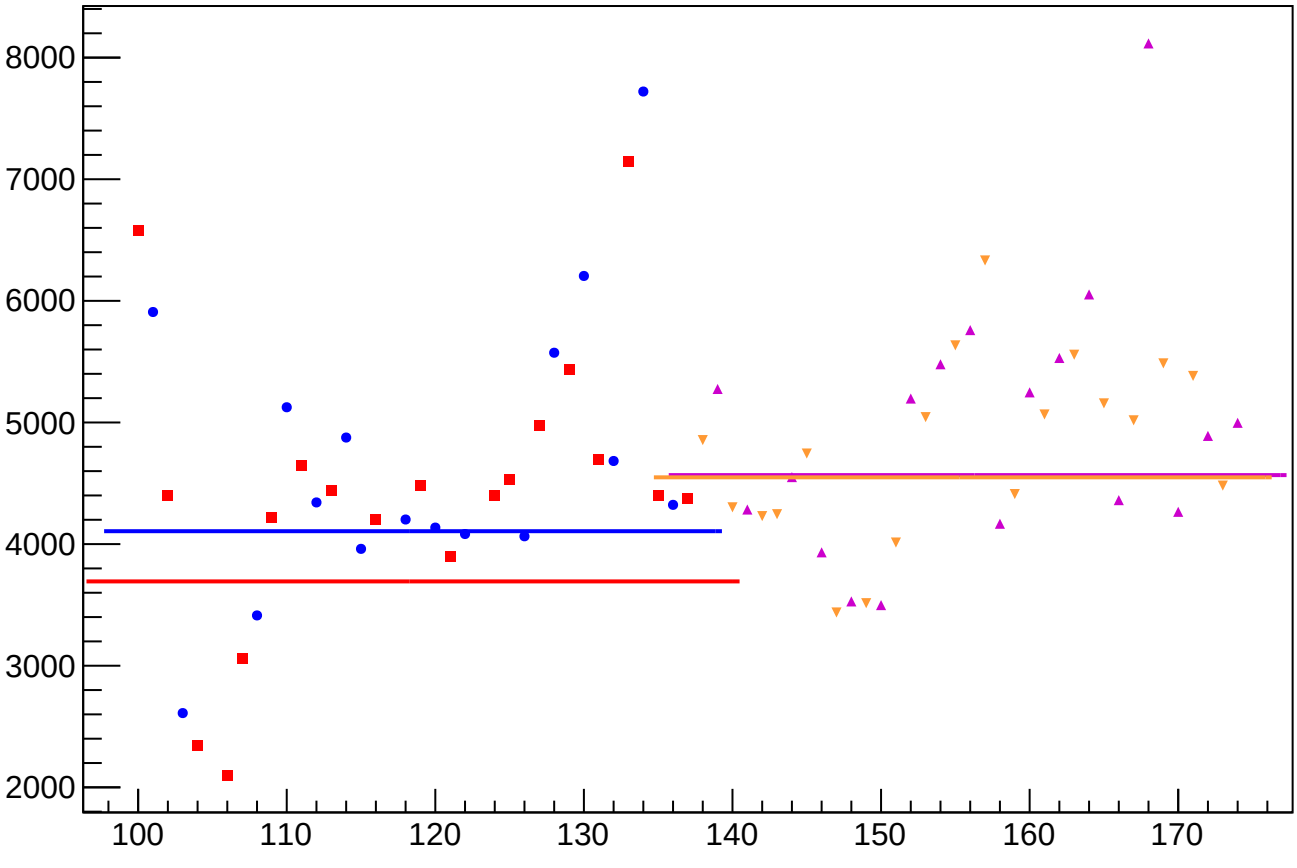
Left: 437.700+/-851.023 χ^2/NDF: 33.7/36

Right: -848.531+/-1064.920 χ^2/NDF: 31.6/34

In: -225.172+/-961.719 χ^2/NDF:26.7/33

Out: 84.296+/-920.047 χ^2/NDF:39.5/37

All: -63.588+/-664.815 χ^2/NDF: 66.2/71



Right In: 4106.141+/-1.121 χ^2/NDF: 956130.4/15

Left Out: 4548.939+/-0.847 χ^2/NDF:766536.3/18

Right Out: 3693.266+/-1.016 χ^2/NDF: 1356643.3/18

Left In: 4567.309+/-0.855 χ^2/NDF:1064413.5/17

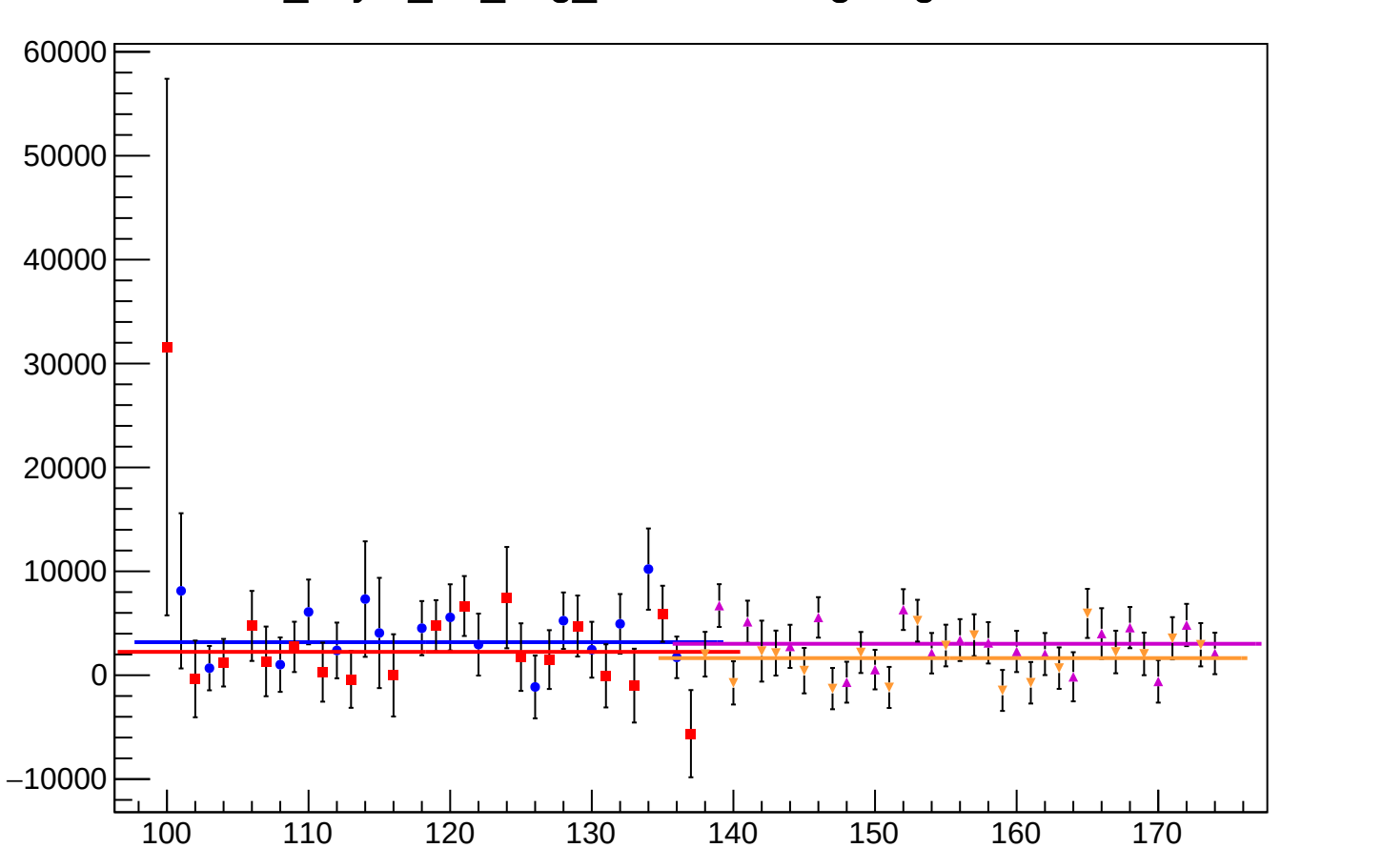
Left: 4558.031+/-0.602 χ^2/NDF: 1831182.8/36

Right: 3879.542+/-0.753 χ^2/NDF: 2387214.5/34

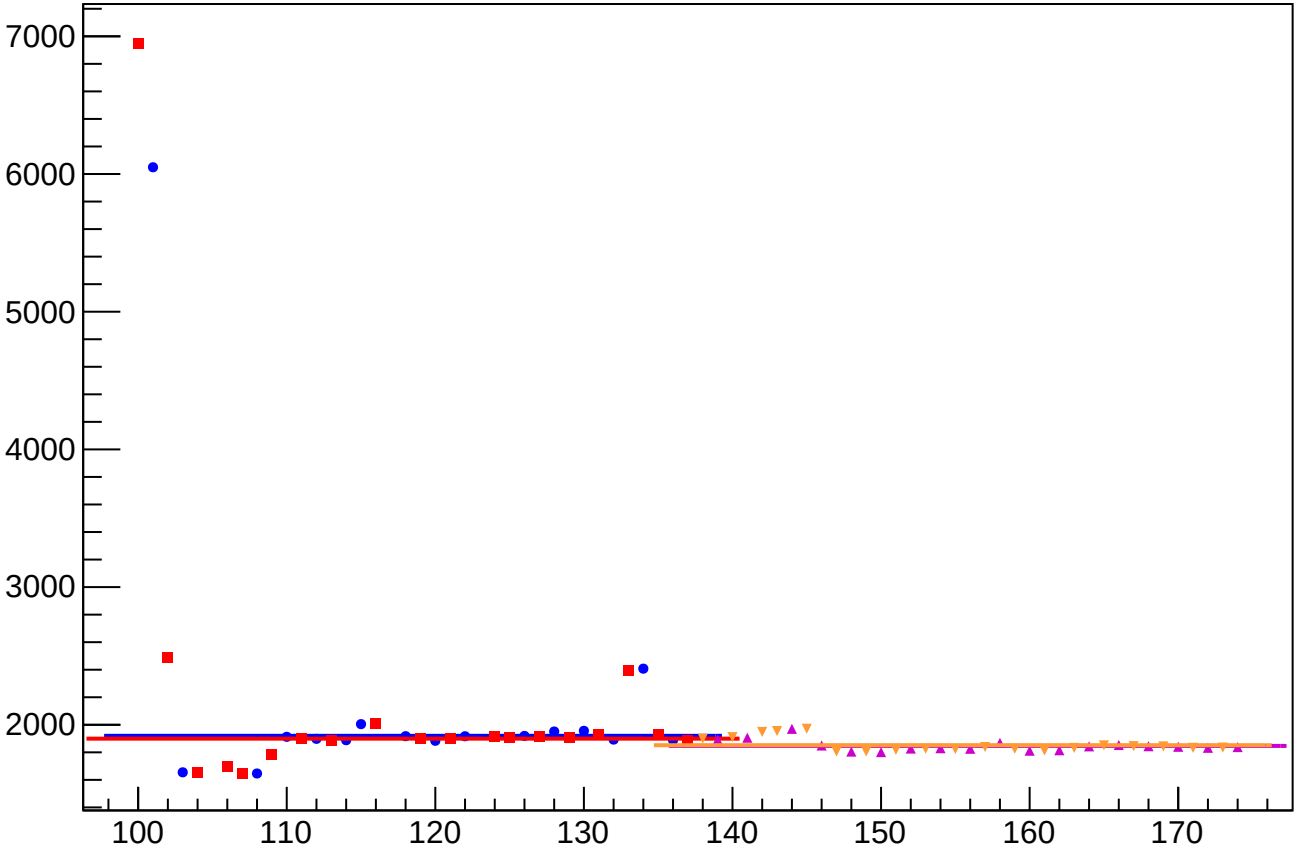
In: 4397.618+/-0.680 χ^2/NDF:2127497.8/33

Out: 4198.403+/-0.651 χ^2/NDF:2541541.3/37

All: 4293.601+/-0.470 χ^2/NDF: 4713847.3/71


cor_asym_atr_avg_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: 3182.973+/-731.133 χ²/NDF: 11.7/15
Left Out: 1646.412+/-477.725 χ²/NDF:19.7/18
Right Out: 2247.193+/-710.916 χ²/NDF: 16.5/18
Left In: 3023.458+/-478.779 χ²/NDF:21.4/17
Left: 2333.418+/-338.175 χ²/NDF: 45.2/36
Right: 2701.966+/-509.691 χ²/NDF: 29.1/34
In: 3071.332+/-400.540 χ²/NDF:33.1/33
Out: 1833.308+/-396.515 χ²/NDF:36.7/37
All: 2446.069+/-281.791 χ²/NDF: 74.6/71

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1919.827+/-0.517 χ^2/NDF: 697330.6/15

Left Out: 1851.688+/-0.338 χ^2/NDF:20331.0/18

Right Out: 1899.364+/-0.502 χ^2/NDF: 215654.1/18

Left In: 1846.593+/-0.339 χ^2/NDF:13894.8/17

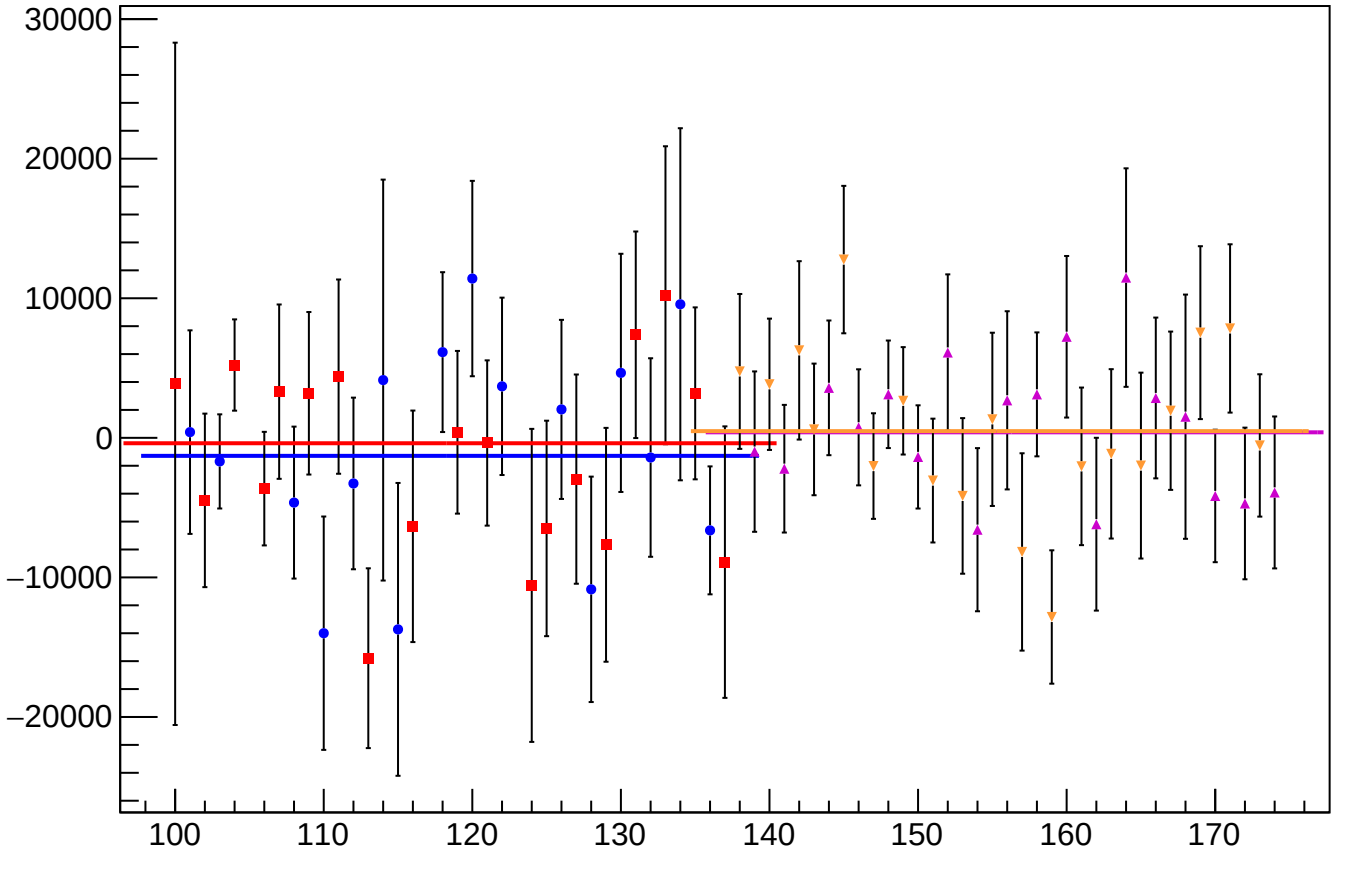
Left: 1849.146+/-0.239 χ^2/NDF: 34339.3/36

Right: 1909.293+/-0.360 χ^2/NDF: 913791.4/34

In: 1868.573+/-0.283 χ^2/NDF:725269.3/33

Out: 1866.552+/-0.280 χ^2/NDF:242195.2/37

All: 1867.552+/-0.199 χ^2/NDF: 967490.2/71



Right In: -1290.862+/-1585.435 χ^2/NDF: 14.3/15

Left Out: 479.467+/-1197.453 χ^2/NDF:22.0/18

Right Out: -387.626+/-1451.530 χ^2/NDF: 17.0/18

Left In: 395.053+/-1209.697 χ^2/NDF:11.7/17

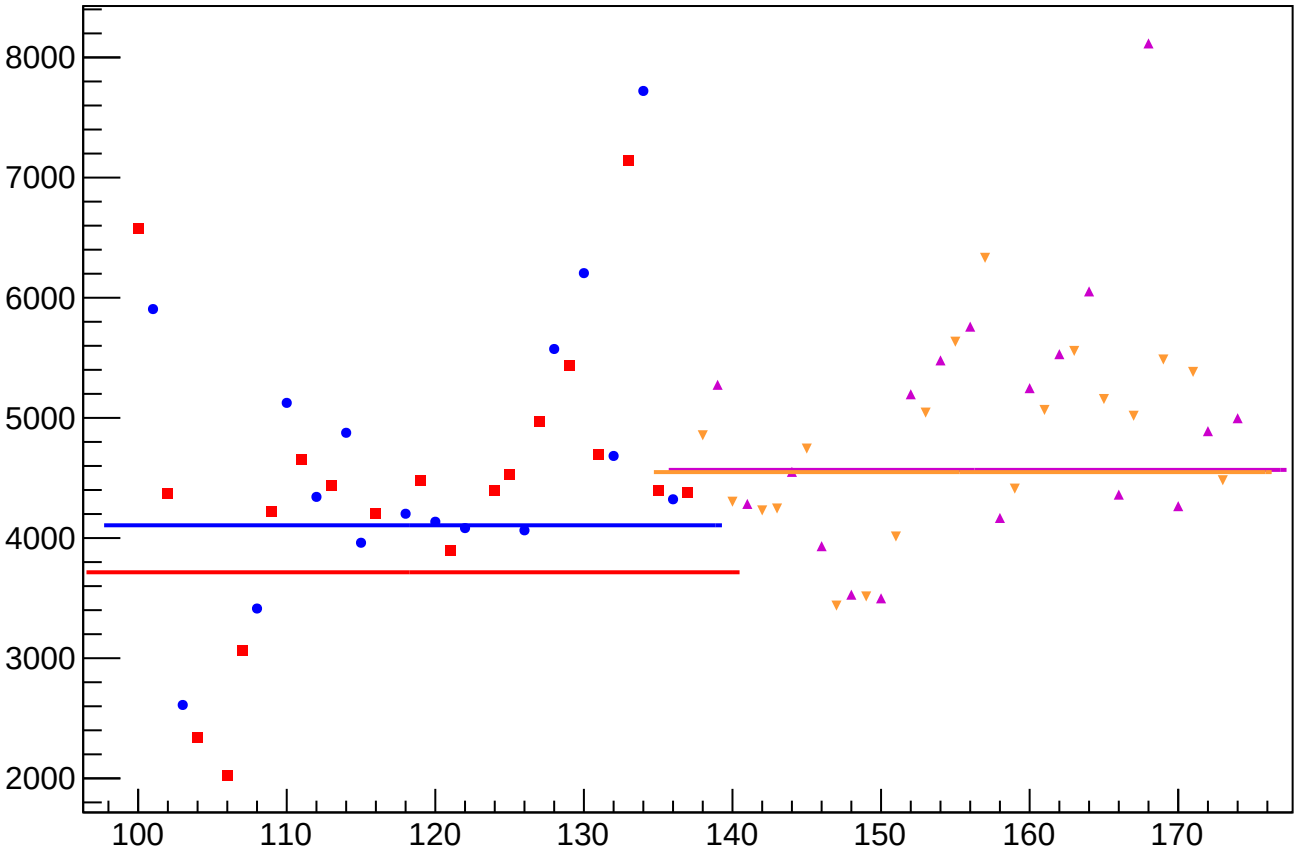
Left: 437.689+/-851.023 χ^2/NDF: 33.7/36

Right: -799.497+/-1070.602 χ^2/NDF: 31.4/34

In: -225.297+/-961.720 χ^2/NDF:26.7/33

Out: 128.330+/-923.702 χ^2/NDF:39.2/37

All: -41.356+/-666.191 χ^2/NDF: 66.0/71



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4548.928+/-0.847 χ^2/NDF:766552.5/18

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

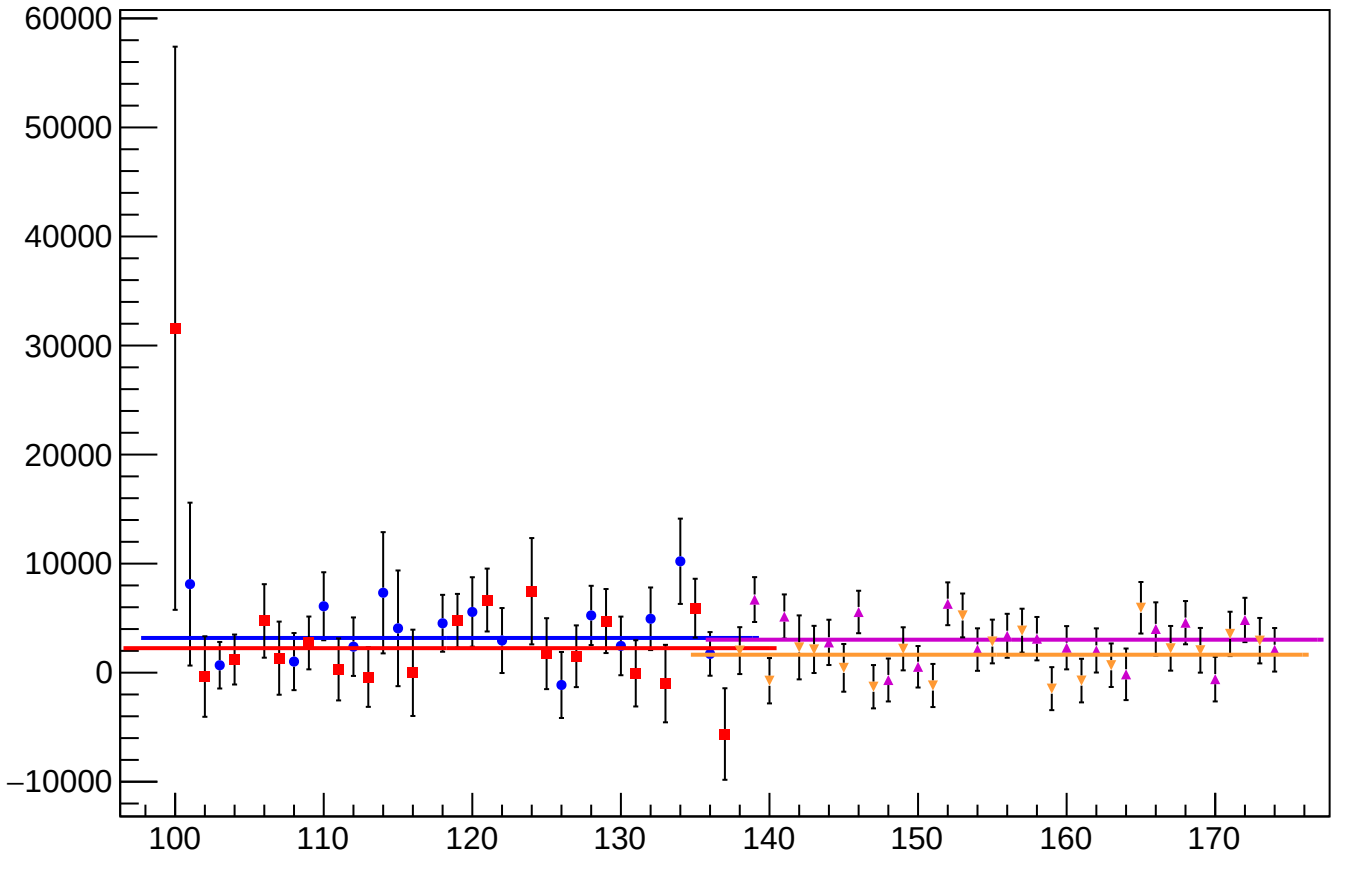
Left: 4558.027+/-0.602 χ^2/NDF: 1831196.1/36

Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4397.654+/-0.680 χ^2/NDF:2126953.7/33

Out: 4211.303+/-0.653 χ^2/NDF:2494271.5/37

All: 4300.722+/-0.471 χ^2/NDF: 4660285.0/71



Right In: 3182.973+/-731.133 χ^2/NDF: 11.7/15

Left Out: 1646.412+/-477.725 χ^2/NDF:19.7/18

Right Out: 2247.193+/-710.916 χ^2/NDF: 16.5/18

Left In: 3023.458+/-478.779 χ^2/NDF:21.4/17

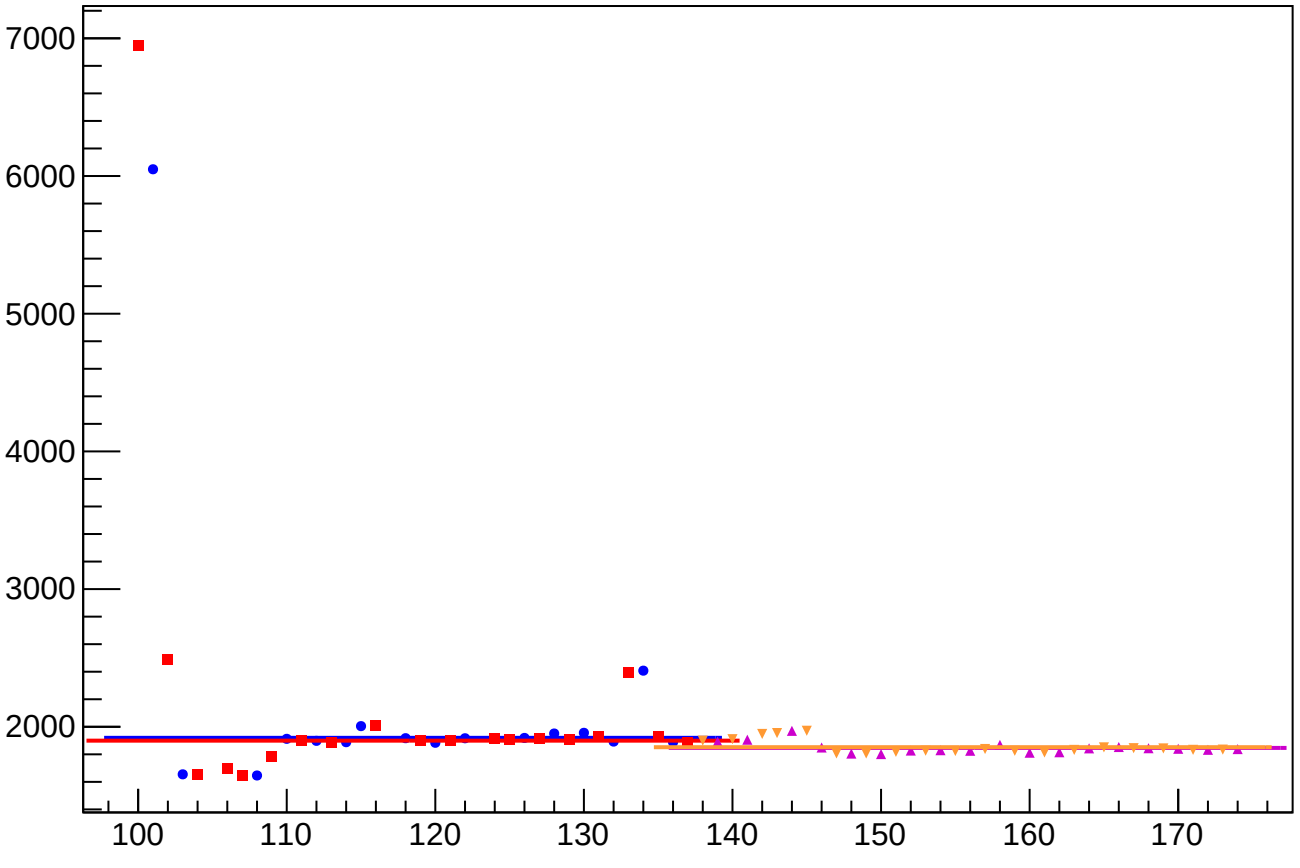
Left: 2333.418+/-338.175 χ^2/NDF: 45.2/36

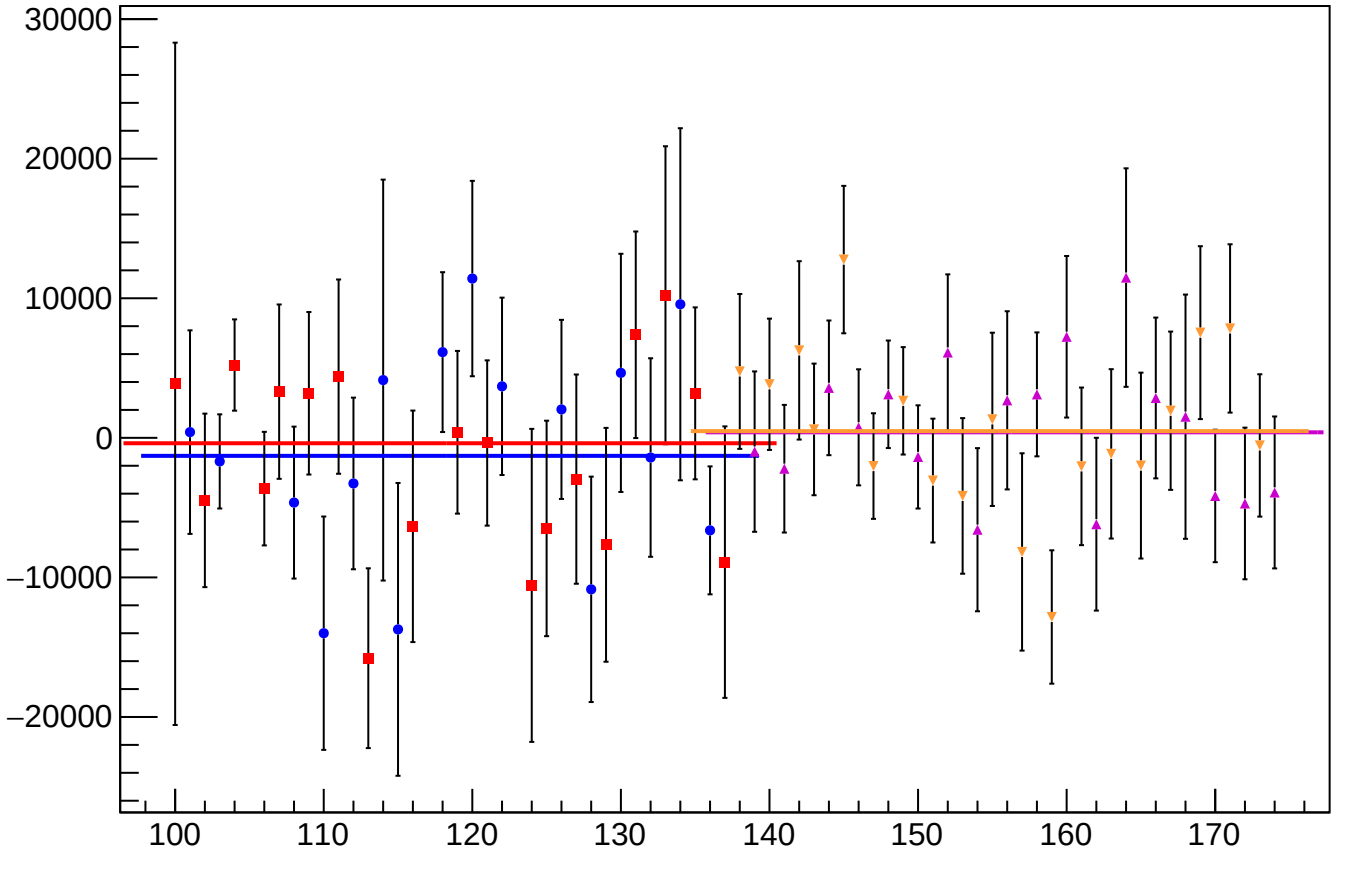
Right: 2701.966+/-509.691 χ^2/NDF: 29.1/34

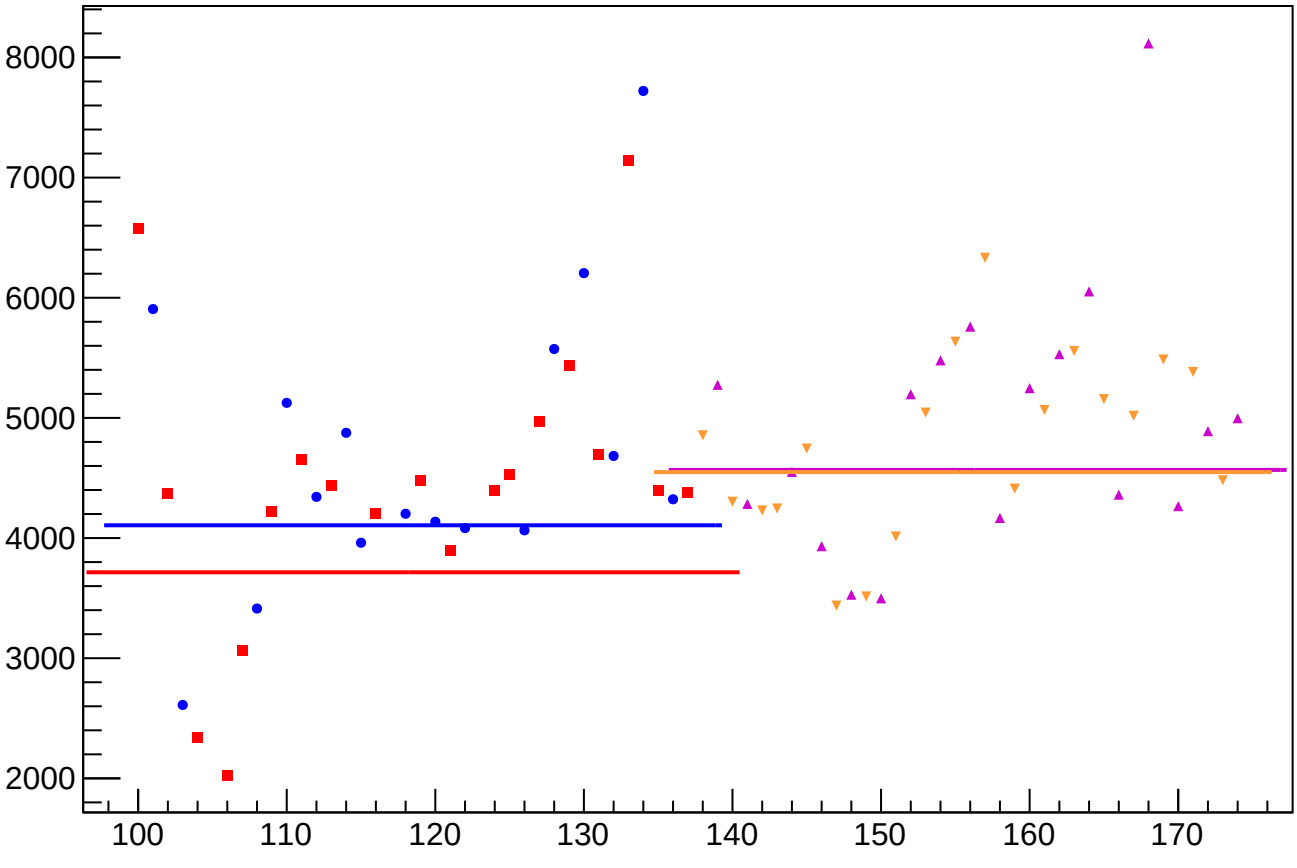
In: 3071.332+/-400.540 χ^2/NDF:33.1/33

Out: 1833.308+/-396.515 χ^2/NDF:36.7/37

All: 2446.069+/-281.791 χ^2/NDF: 74.6/71


eigen_cor_asym_atr_avg_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1919.827+/-0.517 χ²/NDF: 697330.6/15
Left Out: 1851.688+/-0.338 χ²/NDF:20331.0/18
Right Out: 1899.364+/-0.502 χ²/NDF: 215654.1/18
Left In: 1846.593+/-0.339 χ²/NDF:13894.8/17
Left: 1849.146+/-0.239 χ²/NDF: 34339.3/36
Right: 1909.293+/-0.360 χ²/NDF: 913791.4/34
In: 1868.573+/-0.283 χ²/NDF:725269.3/33
Out: 1866.552+/-0.280 χ²/NDF:242195.2/37
All: 1867.552+/-0.199 χ²/NDF: 967490.2/71


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: 479.467+/-1197.453 χ²/NDF:22.0/18
Right Out: -387.626+/-1451.530 χ²/NDF: 17.0/18
Left In: 395.053+/-1209.697 χ²/NDF:11.7/17
Left: 437.689+/-851.023 χ²/NDF: 33.7/36
Right: -799.497+/-1070.602 χ²/NDF: 31.4/34
In: -225.297+/-961.720 χ²/NDF:26.7/33
Out: 128.330+/-923.702 χ²/NDF:39.2/37
All: -41.356+/-666.191 χ²/NDF: 66.0/71



Right In: 4106.234+/-1.121 χ^2/NDF: 955631.2/15

Left Out: 4548.928+/-0.847 χ^2/NDF:766552.5/18

Right Out: 3715.202+/-1.026 χ^2/NDF: 1335100.7/18

Left In: 4567.312+/-0.855 χ^2/NDF:1064410.3/17

Left: 4558.027+/-0.602 χ^2/NDF: 1831196.1/36

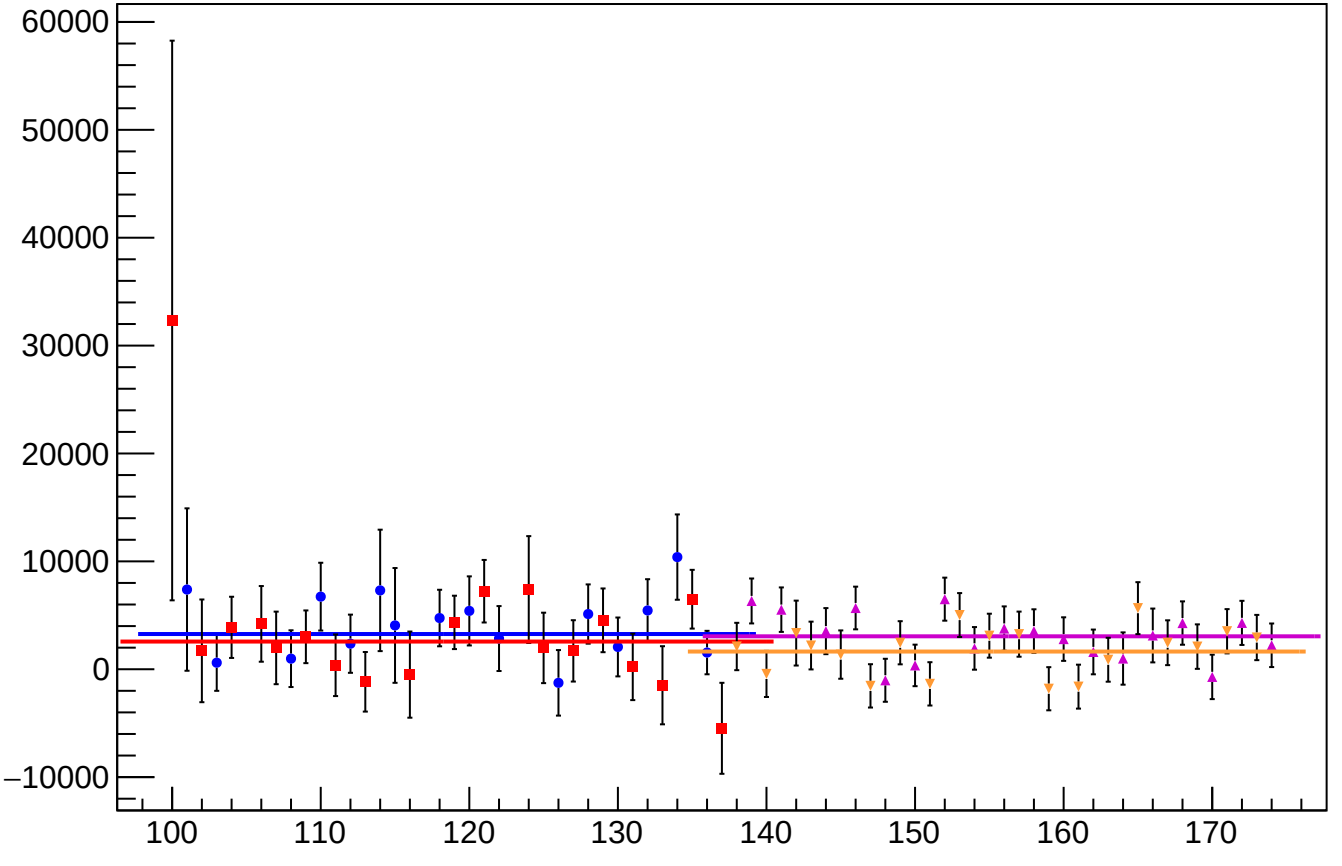
Right: 3893.510+/-0.757 χ^2/NDF: 2356917.1/34

In: 4397.654+/-0.680 χ^2/NDF:2126953.7/33

Out: 4211.303+/-0.653 χ^2/NDF:2494271.5/37

All: 4300.722+/-0.471 χ^2/NDF: 4660285.0/71

dit_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3264.639+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1641.122+/-486.007 χ^2/NDF:20.0/18

Right Out: 2566.683+/-734.876 χ^2/NDF: 17.0/18

Left In: 3052.878+/-486.274 χ^2/NDF:20.8/17

Left: 2346.612+/-343.753 χ^2/NDF: 45.1/36

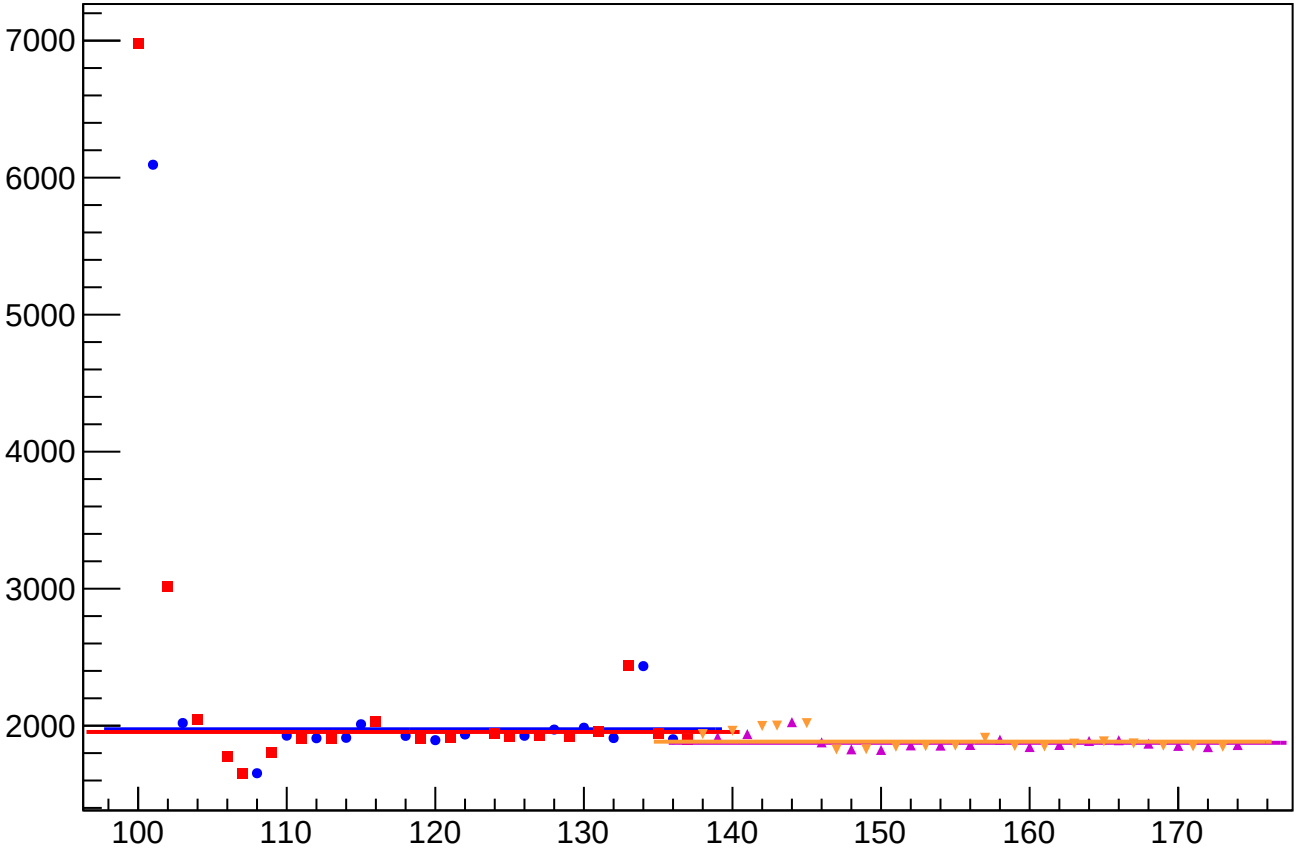
Right: 2908.151+/-525.197 χ^2/NDF: 29.6/34

In: 3115.450+/-408.157 χ^2/NDF:33.0/33

Out: 1922.760+/-405.375 χ^2/NDF:38.2/37

All: 2515.026+/-287.622 χ^2/NDF: 75.5/71

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.476+/-0.344 χ^2/NDF:27730.3/18

Right Out: 1954.339+/-0.519 χ^2/NDF: 246211.3/18

Left In: 1875.330+/-0.344 χ^2/NDF:17587.0/17

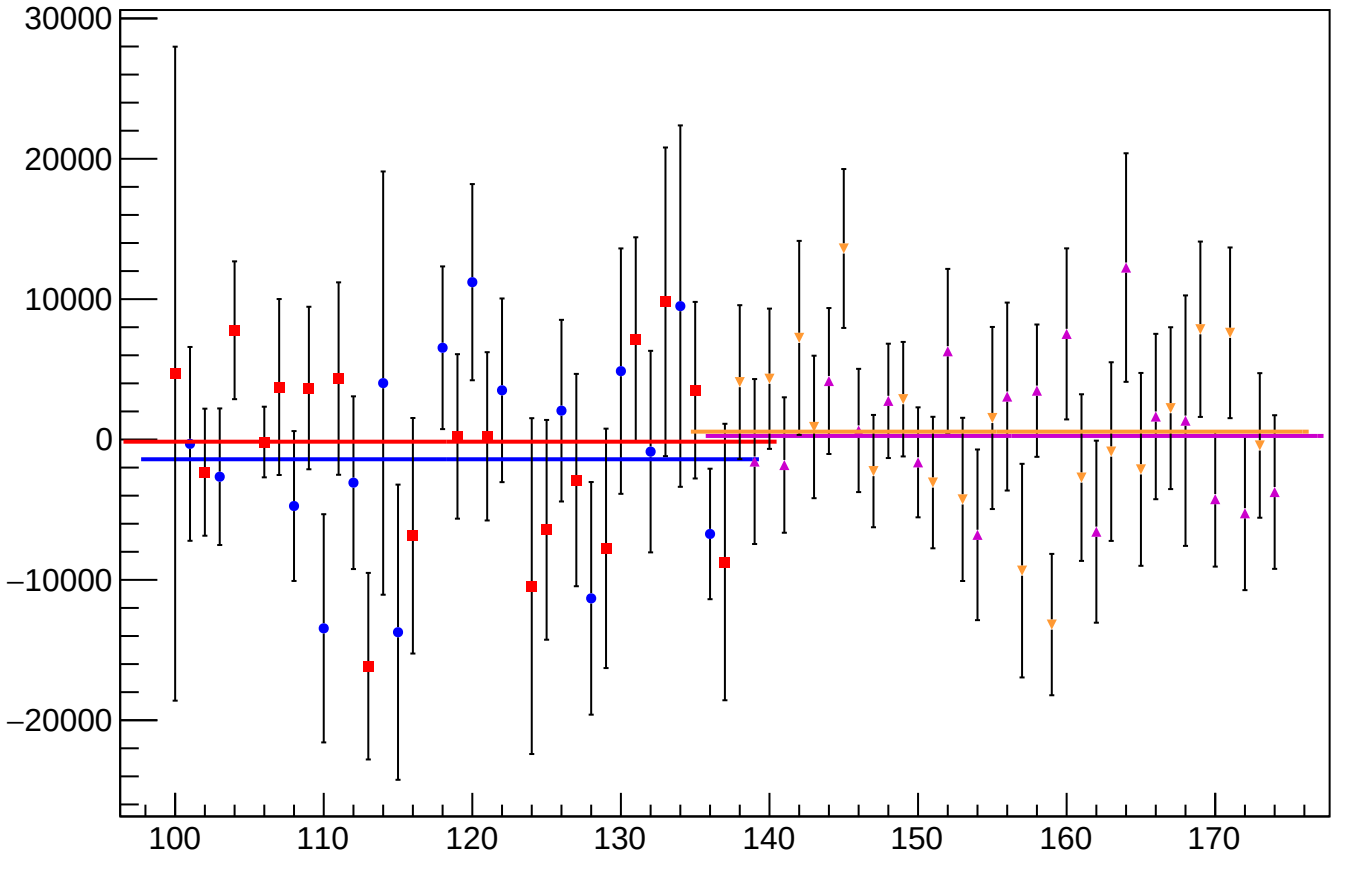
Left: 1879.405+/-0.243 χ^2/NDF: 45598.1/36

Right: 1963.826+/-0.371 χ^2/NDF: 912018.7/34

In: 1904.411+/-0.289 χ^2/NDF:706918.8/33

Out: 1905.065+/-0.287 χ^2/NDF:286895.7/37

All: 1904.740+/-0.203 χ^2/NDF: 993817.1/71



Right In: -1407.382+/-1689.989 χ^2/NDF: 14.2/15

Left Out: 559.718+/-1252.808 χ^2/NDF:21.8/18

Right Out: -155.271+/-1363.642 χ^2/NDF: 15.8/18

Left In: 254.278+/-1263.139 χ^2/NDF:11.7/17

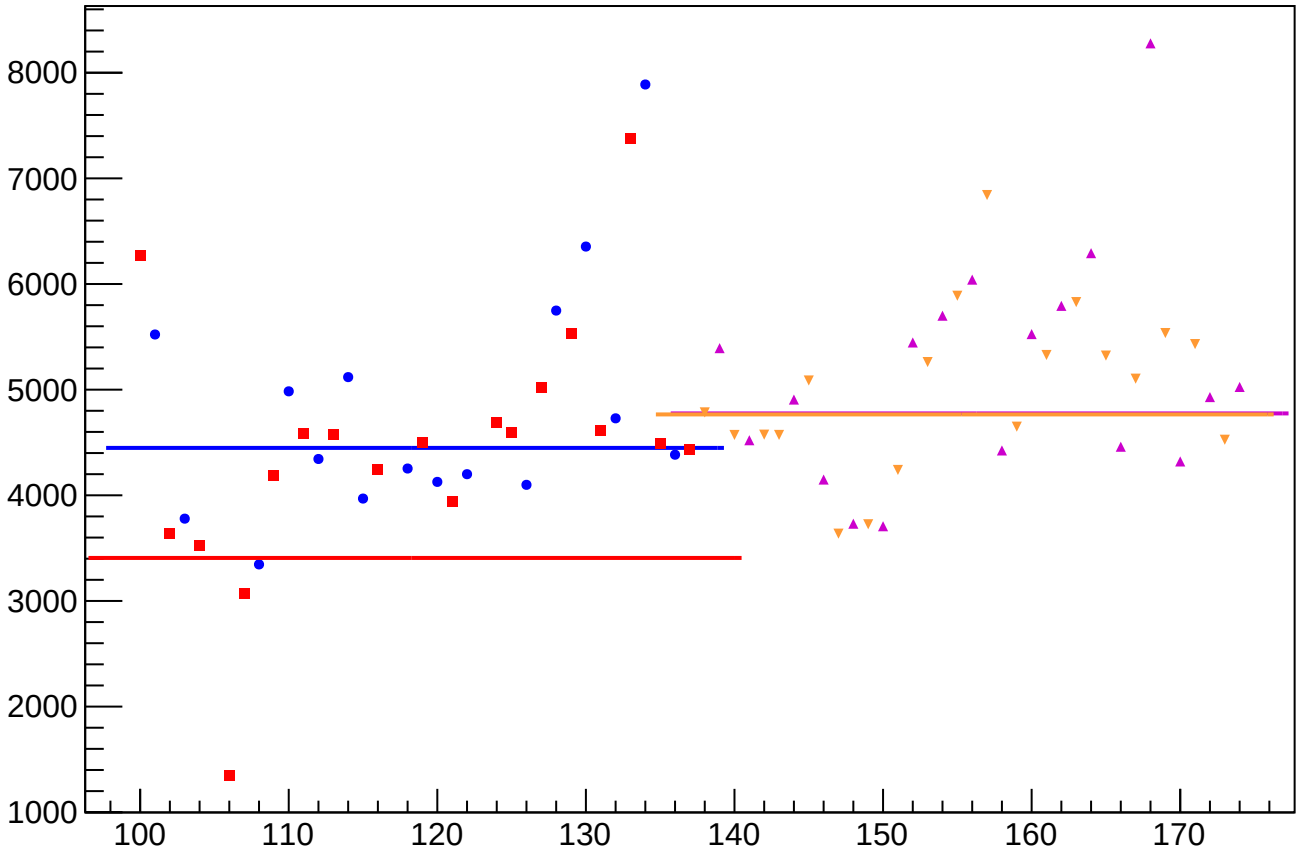
Left: 408.252+/-889.499 χ^2/NDF: 33.6/36

Right: -649.023+/-1061.247 χ^2/NDF: 30.4/34

In: -341.288+/-1011.761 χ^2/NDF:26.5/33

Out: 232.456+/-922.568 χ^2/NDF:37.8/37

All: -28.016+/-681.710 χ^2/NDF: 64.5/71



Right In: 4448.711+/-1.195 χ^2/NDF: 494613.5/15

Left Out: 4765.623+/-0.886 χ^2/NDF:705175.8/18

Right Out: 3407.128+/-0.964 χ^2/NDF: 2326060.4/18

Left In: 4775.161+/-0.893 χ^2/NDF:991294.3/17

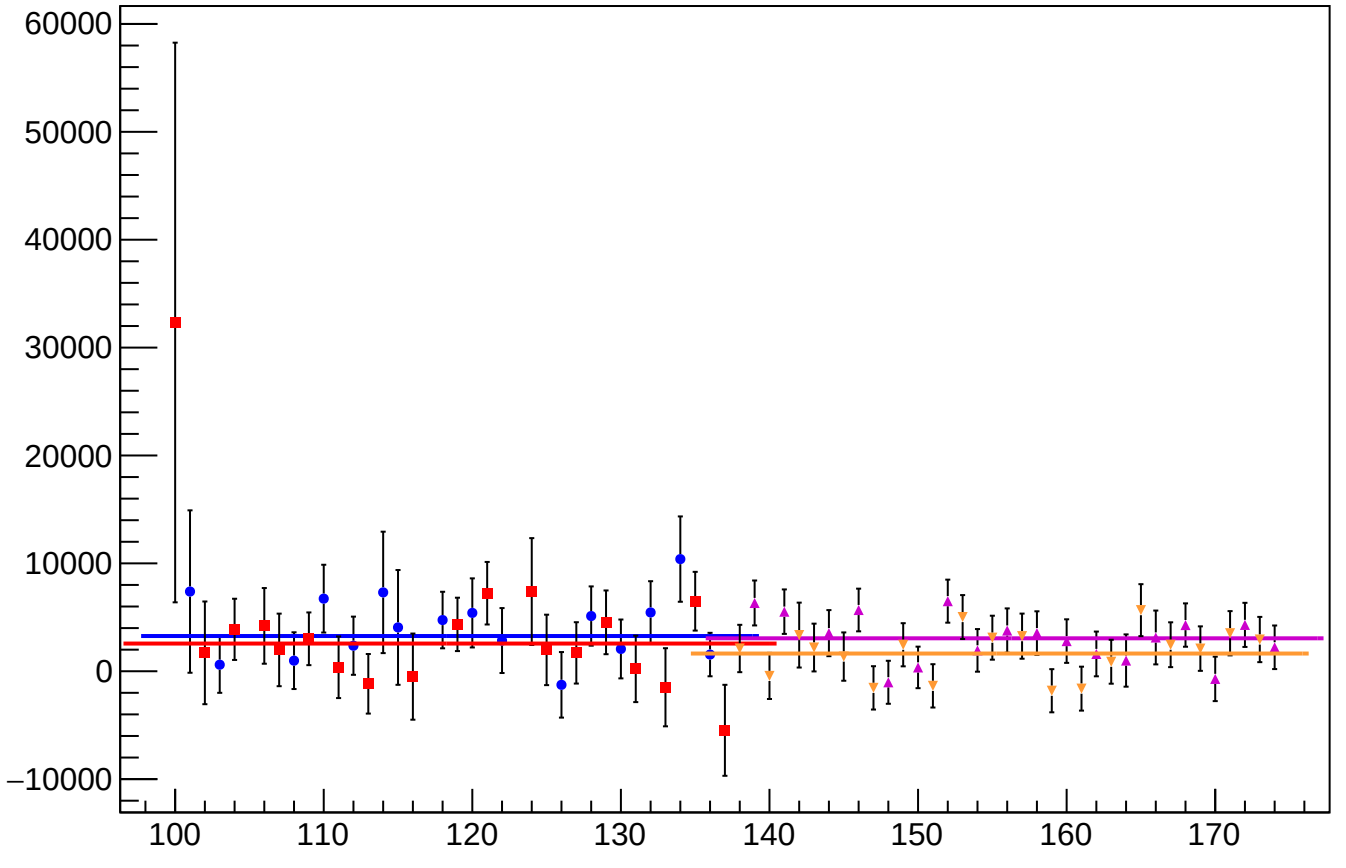
Left: 4770.353+/-0.629 χ^2/NDF: 1696527.6/36

Right: 3817.861+/-0.750 χ^2/NDF: 3280806.0/34

In: 4658.156+/-0.715 χ^2/NDF:1533787.3/33

Out: 4143.819+/-0.652 χ^2/NDF:4107632.8/37

All: 4377.321+/-0.482 χ^2/NDF: 5923630.6/71



Right In: 3264.644+/-750.865 χ^2/NDF: 12.2/15

Left Out: 1641.117+/-486.007 χ^2/NDF:20.0/18

Right Out: 2566.689+/-734.875 χ^2/NDF: 17.0/18

Left In: 3052.880+/-486.275 χ^2/NDF:20.8/17

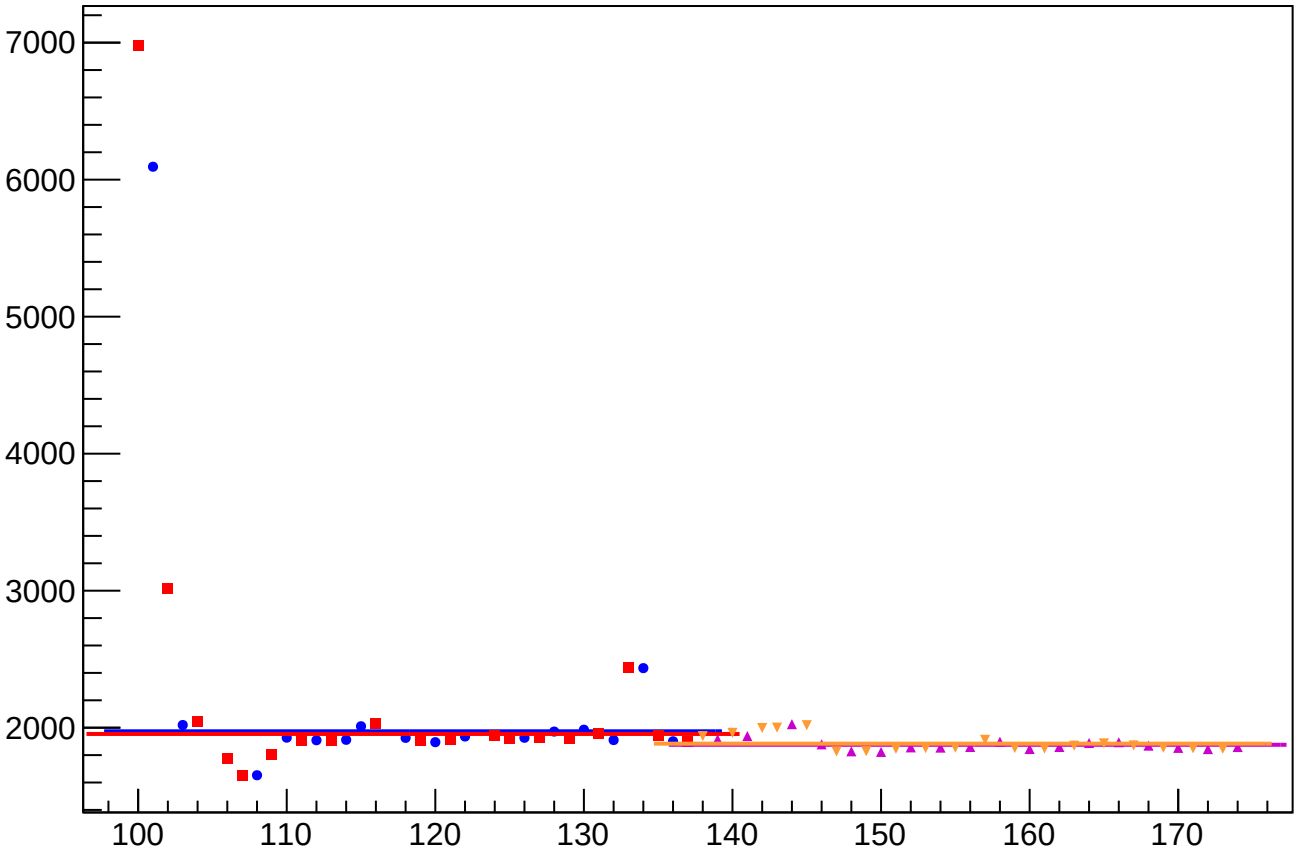
Left: 2346.610+/-343.754 χ^2/NDF: 45.1/36

Right: 2908.156+/-525.197 χ^2/NDF: 29.6/34

In: 3115.452+/-408.157 χ^2/NDF:33.0/33

Out: 1922.758+/-405.375 χ^2/NDF:38.2/37

All: 2515.027+/-287.622 χ^2/NDF: 75.5/71



Right In: 1973.748+/-0.531 χ^2/NDF: 665124.2/15

Left Out: 1883.476+/-0.344 χ^2/NDF:27730.5/18

Right Out: 1954.339+/-0.519 χ^2/NDF: 246210.8/18

Left In: 1875.330+/-0.344 χ^2/NDF:17587.1/17

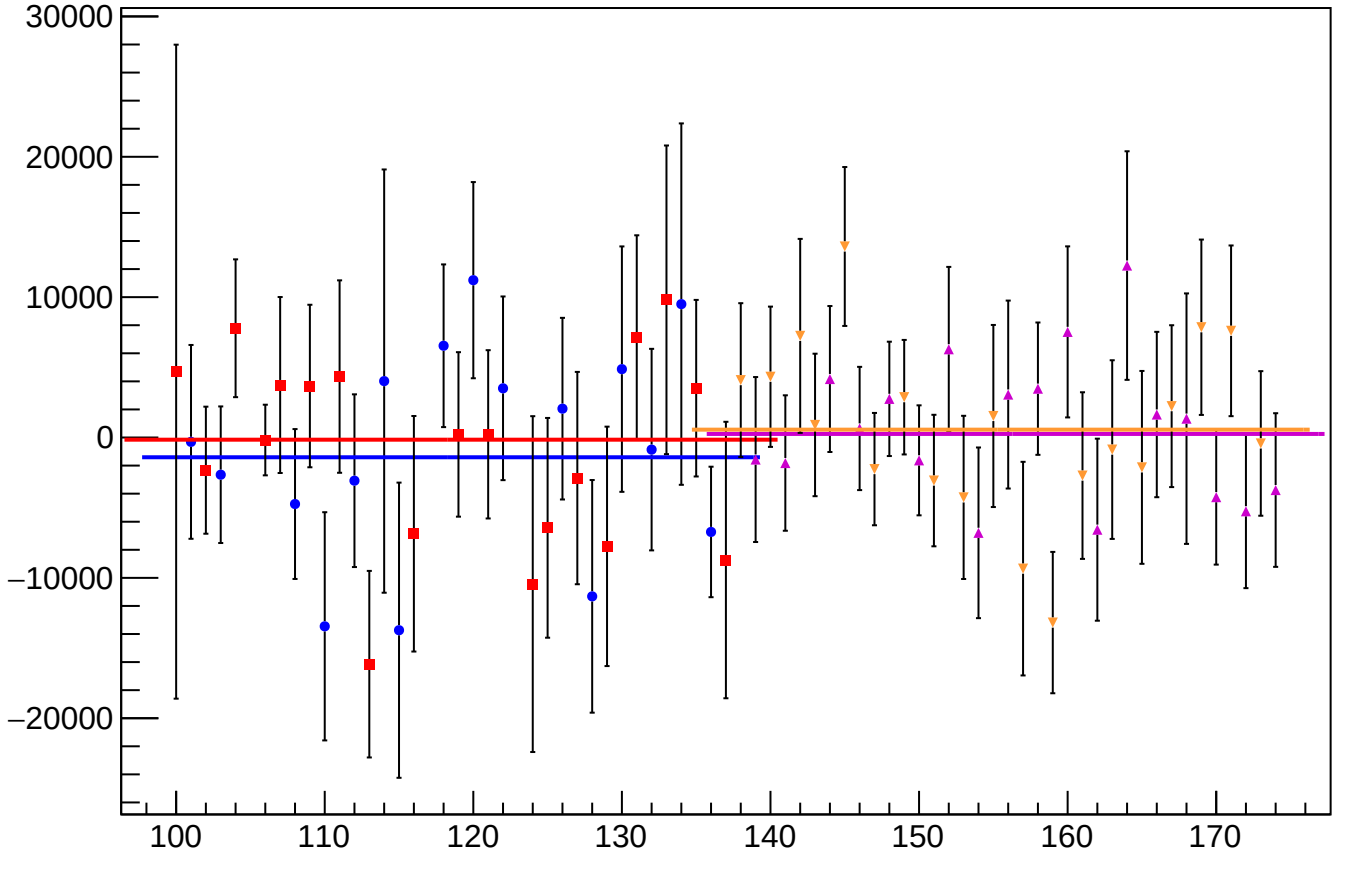
Left: 1879.406+/-0.243 χ^2/NDF: 45598.3/36

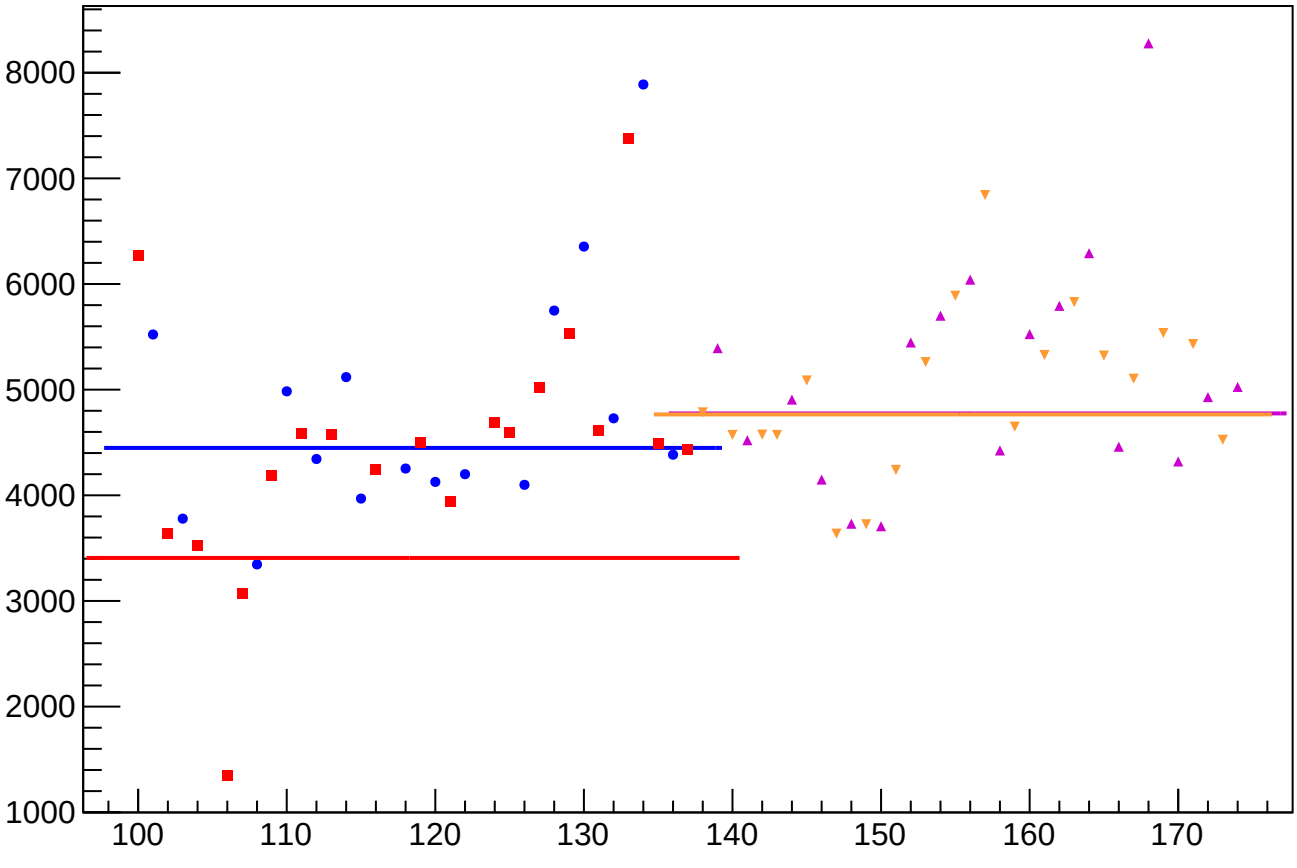
Right: 1963.826+/-0.371 χ^2/NDF: 912018.2/34

In: 1904.411+/-0.289 χ^2/NDF:706918.3/33

Out: 1905.065+/-0.287 χ^2/NDF:286894.9/37

All: 1904.740+/-0.203 χ^2/NDF: 993815.8/71


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1407.363+/-1689.986 χ²/NDF: 14.2/15
Left Out: 559.716+/-1252.810 χ²/NDF:21.8/18
Right Out: -155.272+/-1363.639 χ²/NDF: 15.8/18
Left In: 254.276+/-1263.141 χ²/NDF:11.7/17
Left: 408.250+/-889.500 χ²/NDF: 33.6/36
Right: -649.016+/-1061.245 χ²/NDF: 30.4/34
In: -341.285+/-1011.761 χ²/NDF:26.5/33
Out: 232.453+/-922.567 χ²/NDF:37.8/37
All: -28.016+/-681.710 χ²/NDF: 64.5/71



Right In: 4448.704+/-1.195 χ^2/NDF: 494610.6/15

Left Out: 4765.630+/-0.886 χ^2/NDF:705175.5/18

Right Out: 3407.120+/-0.964 χ^2/NDF: 2326064.2/18

Left In: 4775.168+/-0.893 χ^2/NDF:991294.5/17

Left: 4770.360+/-0.629 χ^2/NDF: 1696527.5/36

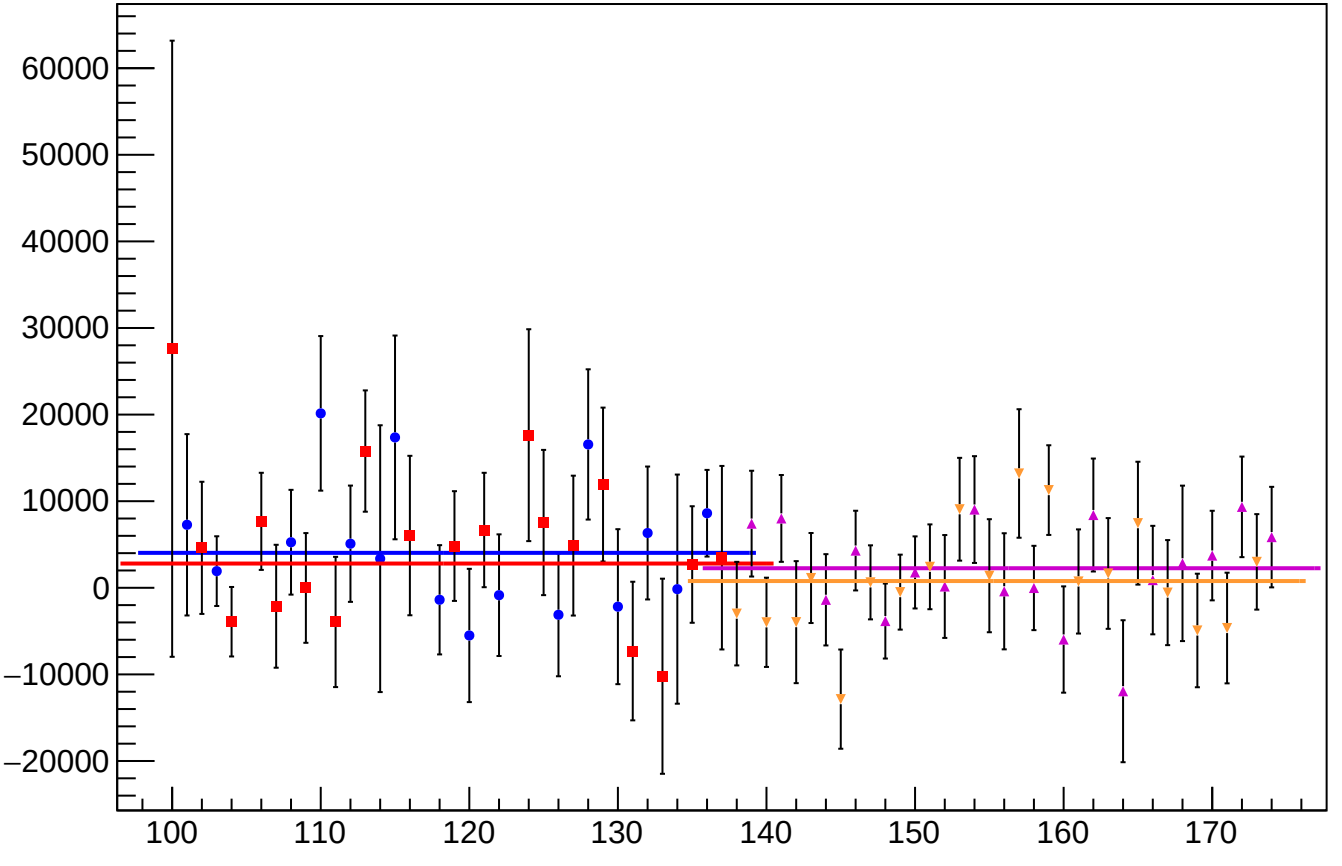
Right: 3817.853+/-0.750 χ^2/NDF: 3280809.4/34

In: 4658.157+/-0.715 χ^2/NDF:1533788.8/33

Out: 4143.816+/-0.652 χ^2/NDF:4107662.2/37

All: 4377.321+/-0.482 χ^2/NDF: 5923665.4/71

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4034.572+/-1782.030 χ^2/NDF: 12.3/15

Left Out: 779.278+/-1301.703 χ^2/NDF:19.0/18

Right Out: 2800.547+/-1671.877 χ^2/NDF: 15.4/18

Left In: 2258.996+/-1313.519 χ^2/NDF:14.1/17

Left: 1512.451+/-924.592 χ^2/NDF: 33.8/36

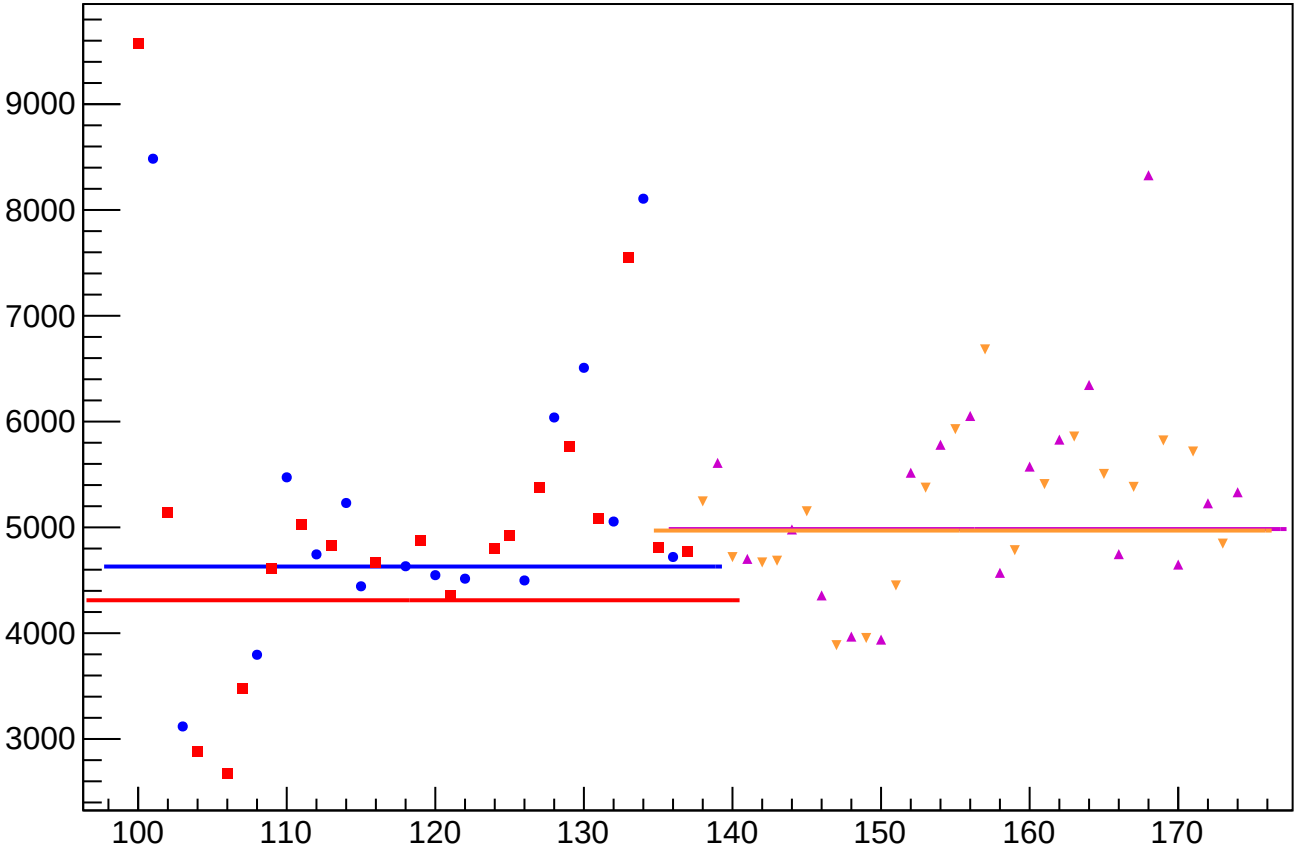
Right: 3378.243+/-1219.278 χ^2/NDF: 28.0/34

In: 2884.069+/-1057.330 χ^2/NDF:27.1/33

Out: 1542.129+/-1027.099 χ^2/NDF:35.4/37

All: 2193.640+/-736.724 χ^2/NDF: 63.3/71

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4629.967+/-1.260 χ^2/NDF: 900246.3/15

Left Out: 4969.992+/-0.920 χ^2/NDF:575141.0/18

Right Out: 4311.218+/-1.172 χ^2/NDF: 904737.2/18

Left In: 4984.173+/-0.929 χ^2/NDF:822380.5/17

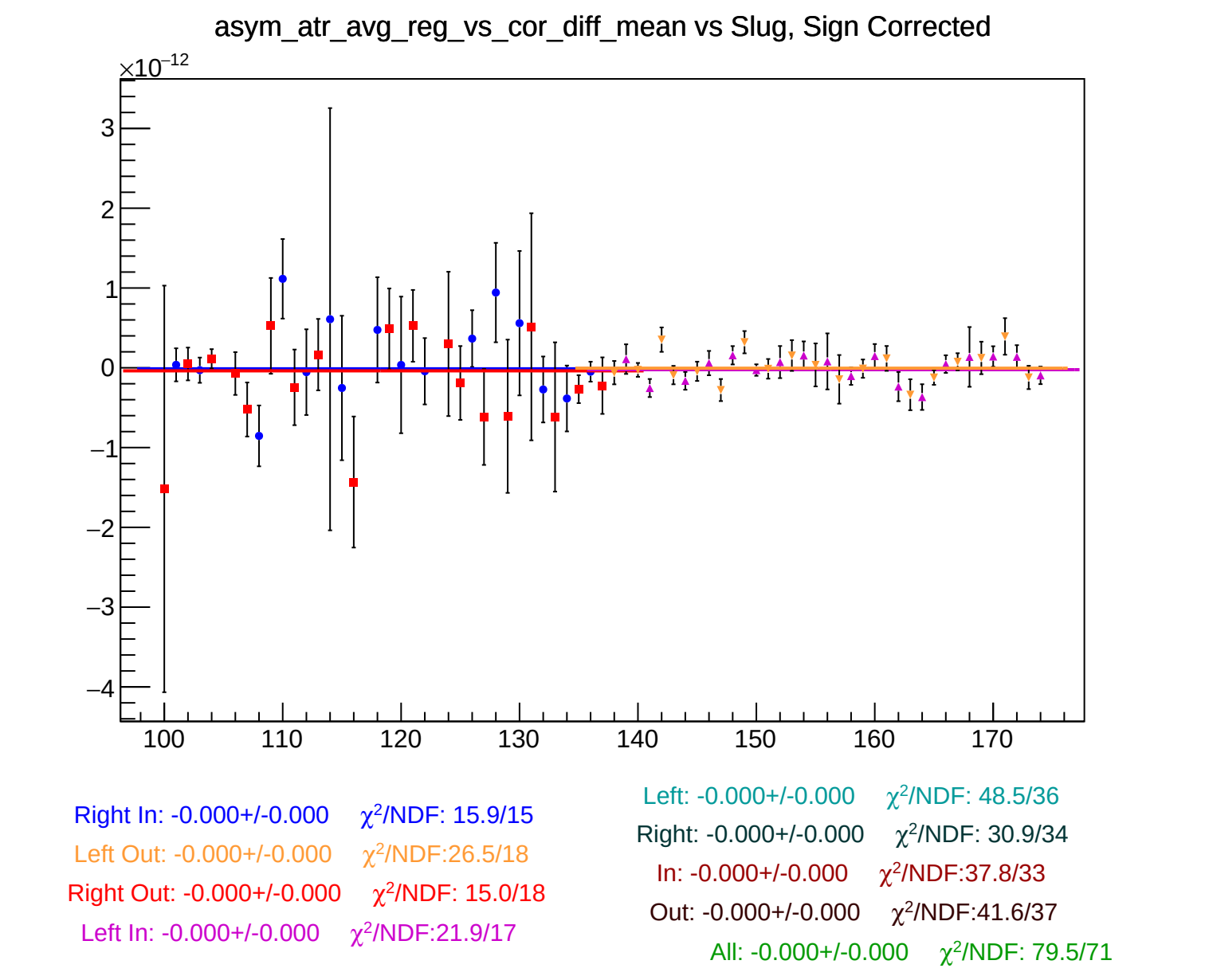
Left: 4977.018+/-0.654 χ^2/NDF: 1397639.1/36

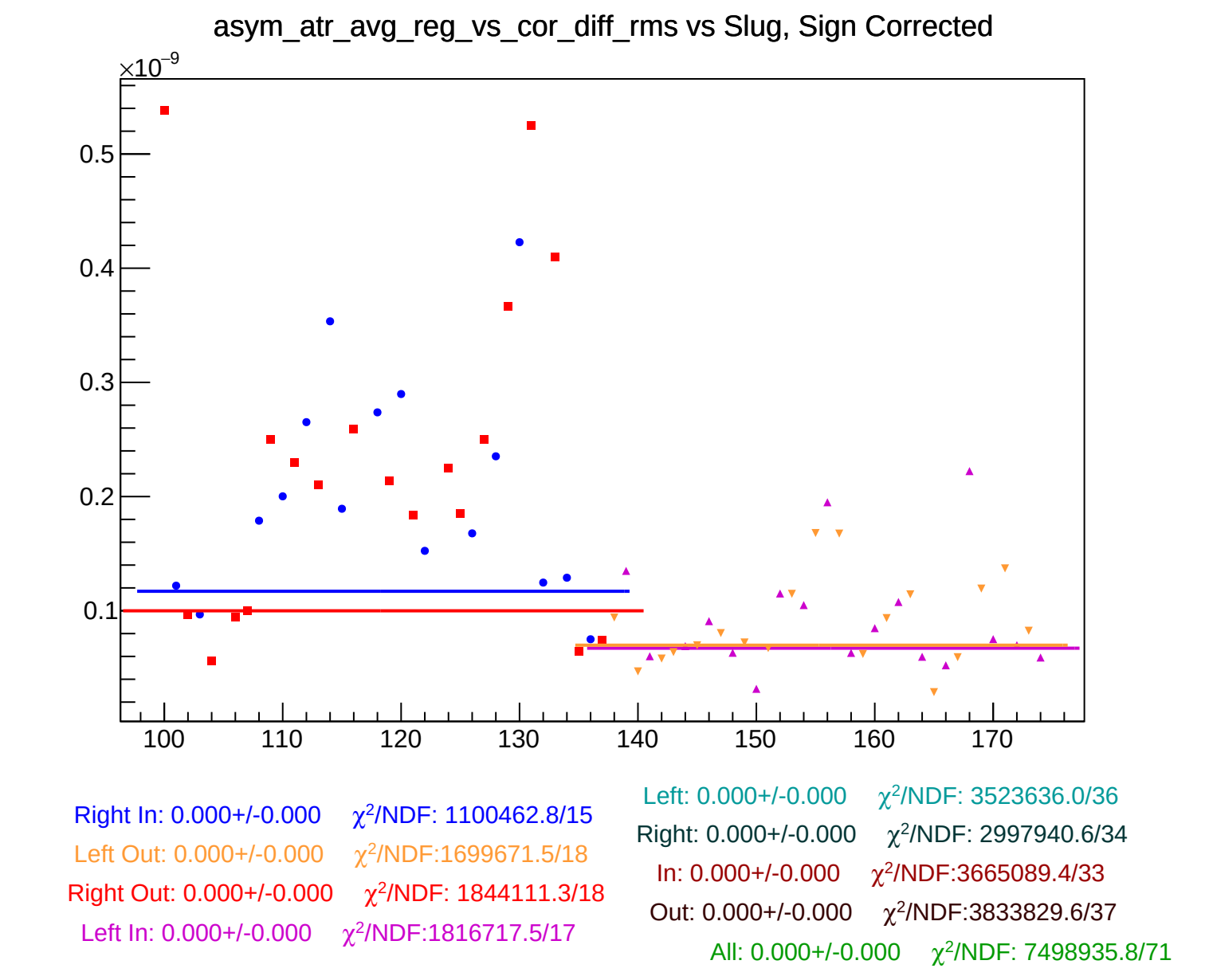
Right: 4459.059+/-0.858 χ^2/NDF: 1839292.8/34

In: 4859.478+/-0.748 χ^2/NDF:1773825.5/33

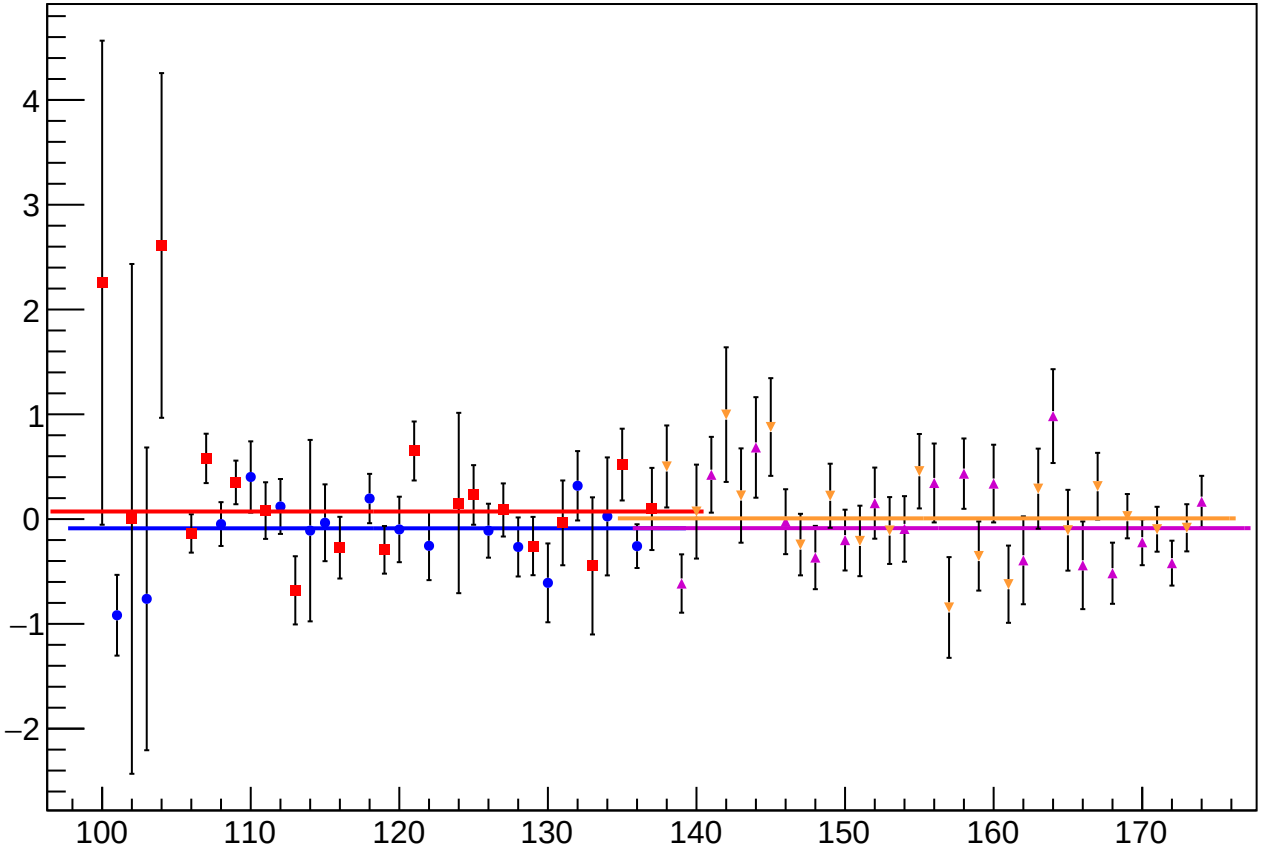
Out: 4718.667+/-0.724 χ^2/NDF:1675302.6/37

All: 4786.799+/-0.520 χ^2/NDF: 3467436.8/71


asym_atr_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.9/15
Left Out: -0.000+/-0.000 χ²/NDF:26.5/18
Right Out: -0.000+/-0.000 χ²/NDF: 15.0/18
Left In: -0.000+/-0.000 χ²/NDF:21.9/17
Left: -0.000+/-0.000 χ²/NDF: 48.5/36
Right: -0.000+/-0.000 χ²/NDF: 30.9/34
In: -0.000+/-0.000 χ²/NDF:37.8/33
Out: -0.000+/-0.000 χ²/NDF:41.6/37
All: -0.000+/-0.000 χ²/NDF: 79.5/71


asym_atr_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1100462.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1699671.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 1844111.3/18
Left In: 0.000+/-0.000 χ²/NDF:1816717.5/17
Left: 0.000+/-0.000 χ²/NDF: 3523636.0/36
Right: 0.000+/-0.000 χ²/NDF: 2997940.6/34
In: 0.000+/-0.000 χ²/NDF:3665089.4/33
Out: 0.000+/-0.000 χ²/NDF:3833829.6/37
All: 0.000+/-0.000 χ²/NDF: 7498935.8/71

asym_atr_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

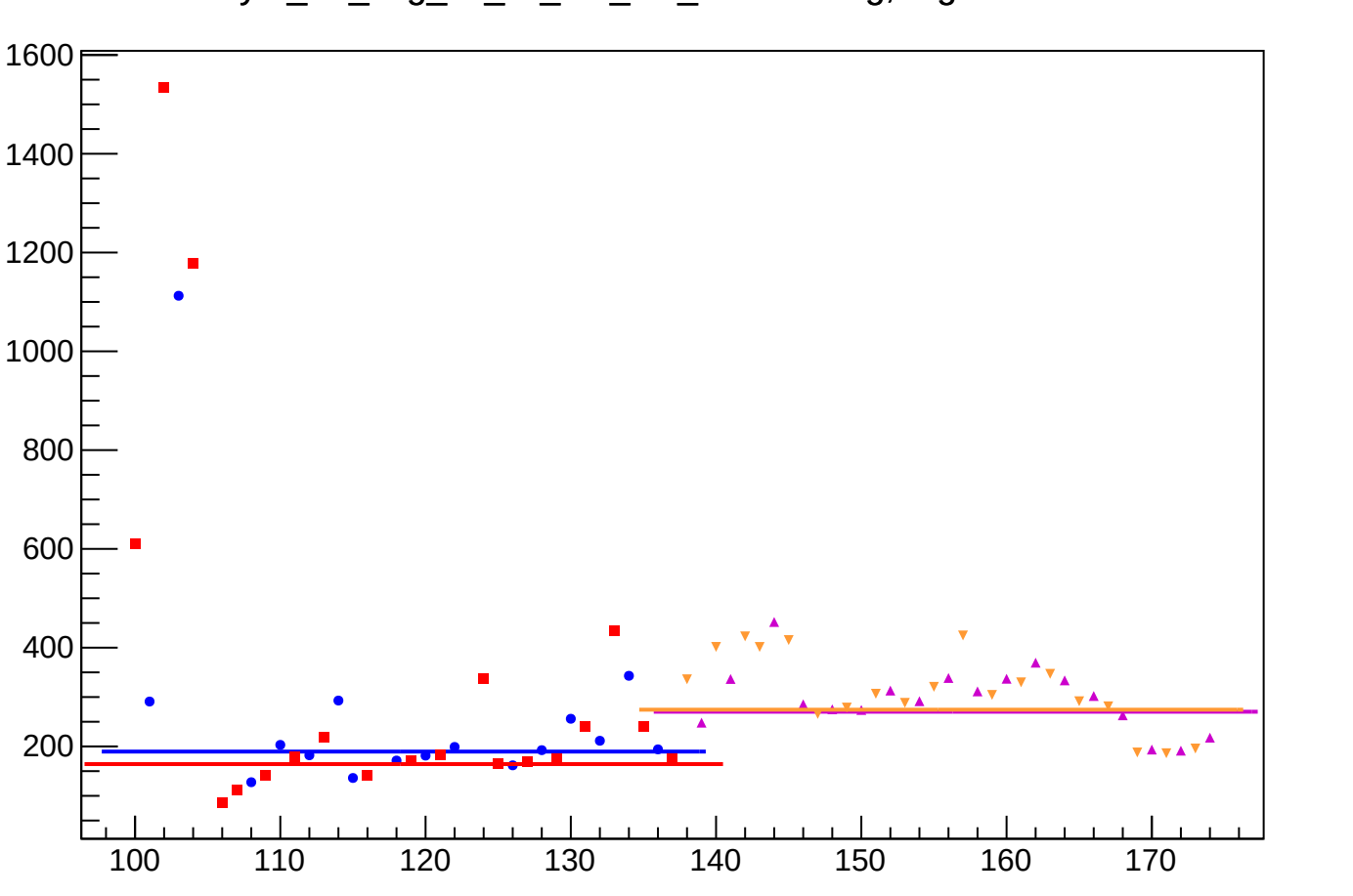
Left: -0.041+/-0.052 χ^2/NDF: 48.8/36

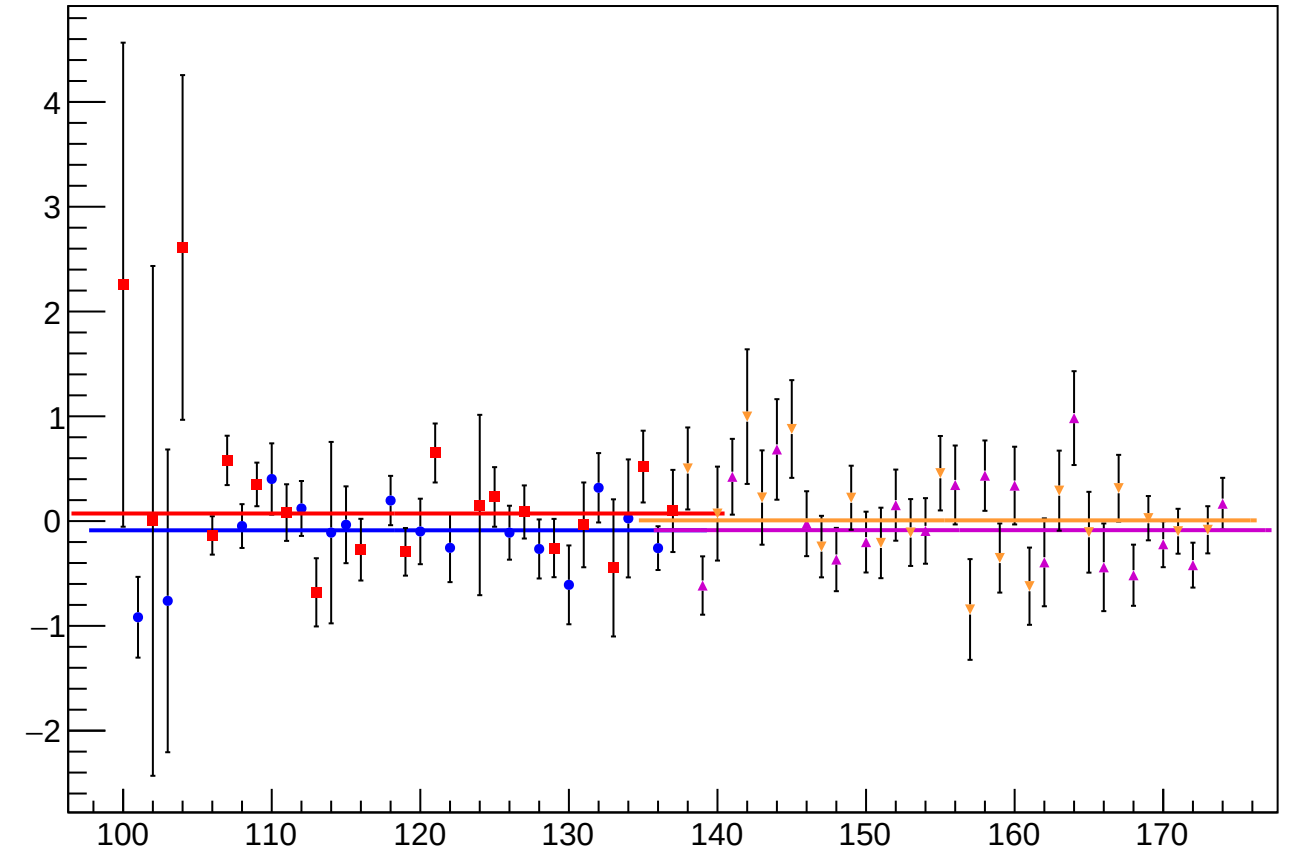
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.020+/-0.037 χ^2/NDF: 94.0/71


asym_atr_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 274.413+/-0.053 χ²/NDF:1969995.4/18
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 270.301+/-0.052 χ²/NDF:1344329.3/17
Left: 272.320+/-0.037 χ²/NDF: 3317433.7/36
Right: 175.794+/-0.037 χ²/NDF: 4227942.3/34
In: 231.960+/-0.037 χ²/NDF:3968727.5/33
Out: 215.998+/-0.036 χ²/NDF:6936953.0/37
All: 223.682+/-0.026 χ²/NDF: 11000022.7/71



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

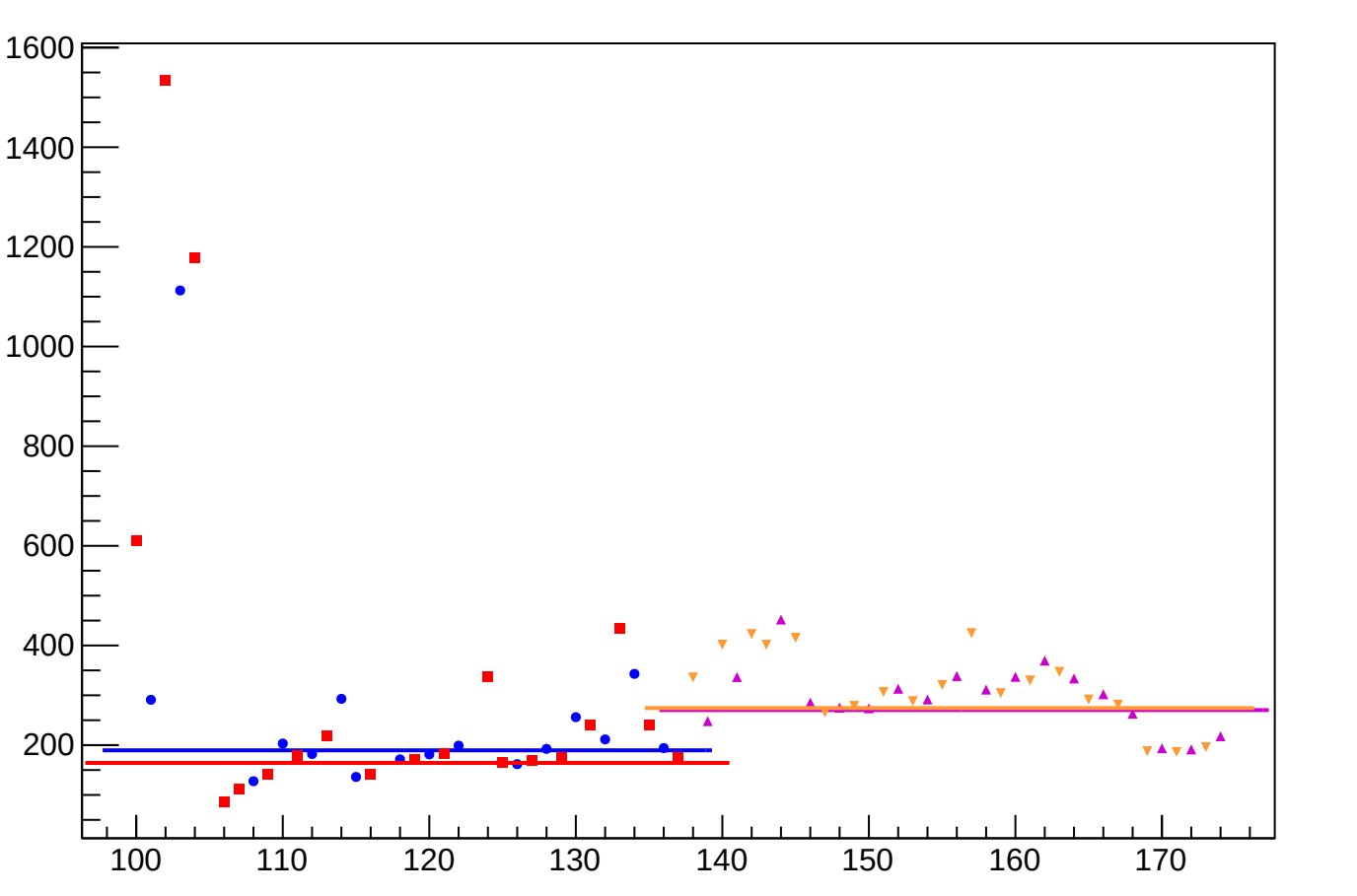
Left: -0.041+/-0.052 χ^2/NDF: 48.8/36

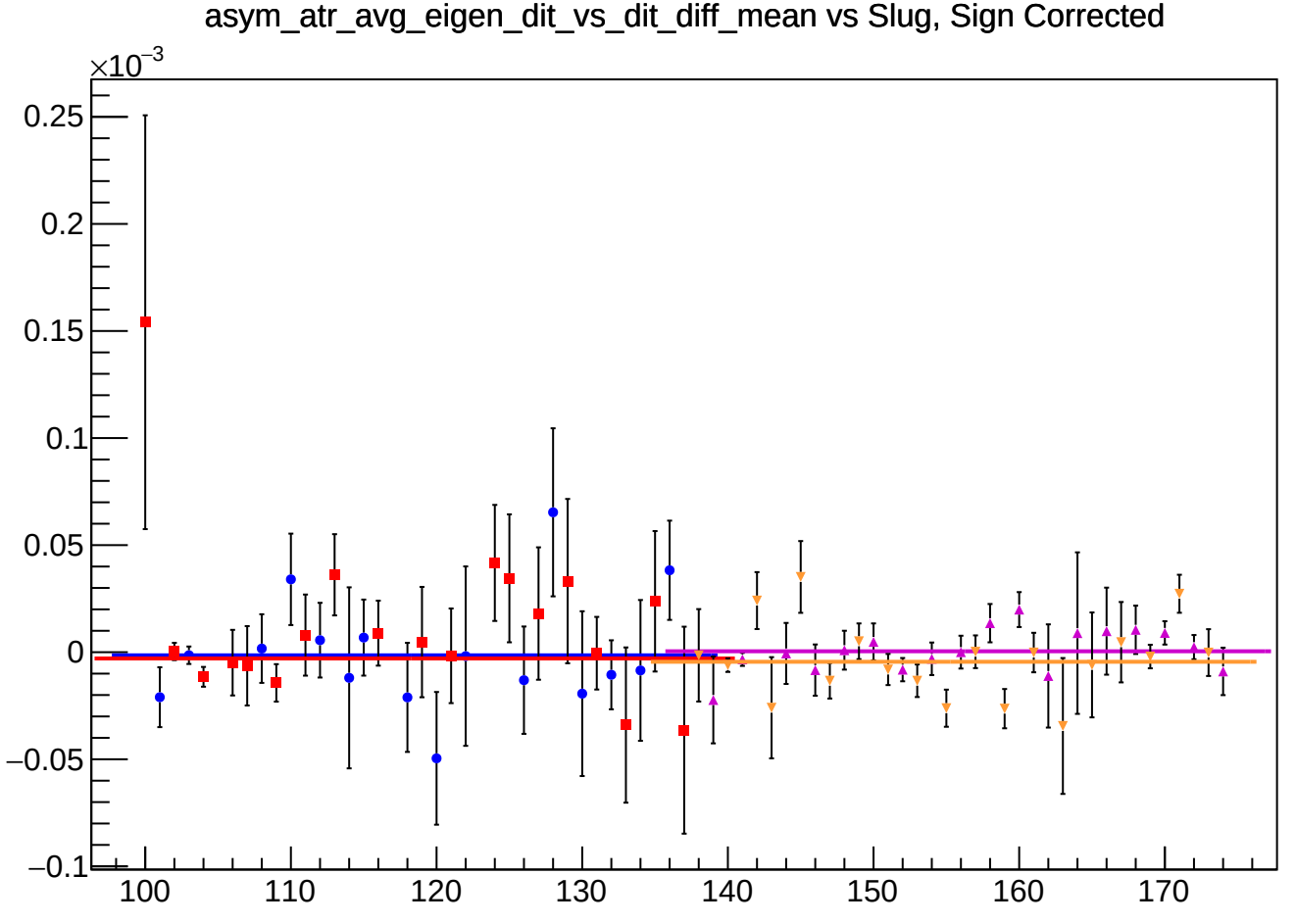
Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.020+/-0.037 χ^2/NDF: 94.0/71


asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
110
120
130
140
150
160
170
Right In: 189.628+/-0.054 χ²/NDF: 1465476.9/15
Left Out: 274.413+/-0.053 χ²/NDF:1969995.4/18
Right Out: 164.287+/-0.050 χ²/NDF: 2643490.2/18
Left In: 270.301+/-0.052 χ²/NDF:1344329.3/17
Left: 272.320+/-0.037 χ²/NDF: 3317433.7/36
Right: 175.794+/-0.037 χ²/NDF: 4227942.3/34
In: 231.960+/-0.037 χ²/NDF:3968727.5/33
Out: 215.998+/-0.036 χ²/NDF:6936953.0/37
All: 223.682+/-0.026 χ²/NDF: 11000022.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: 0.000+/-0.000 χ^2/NDF:18.7/17

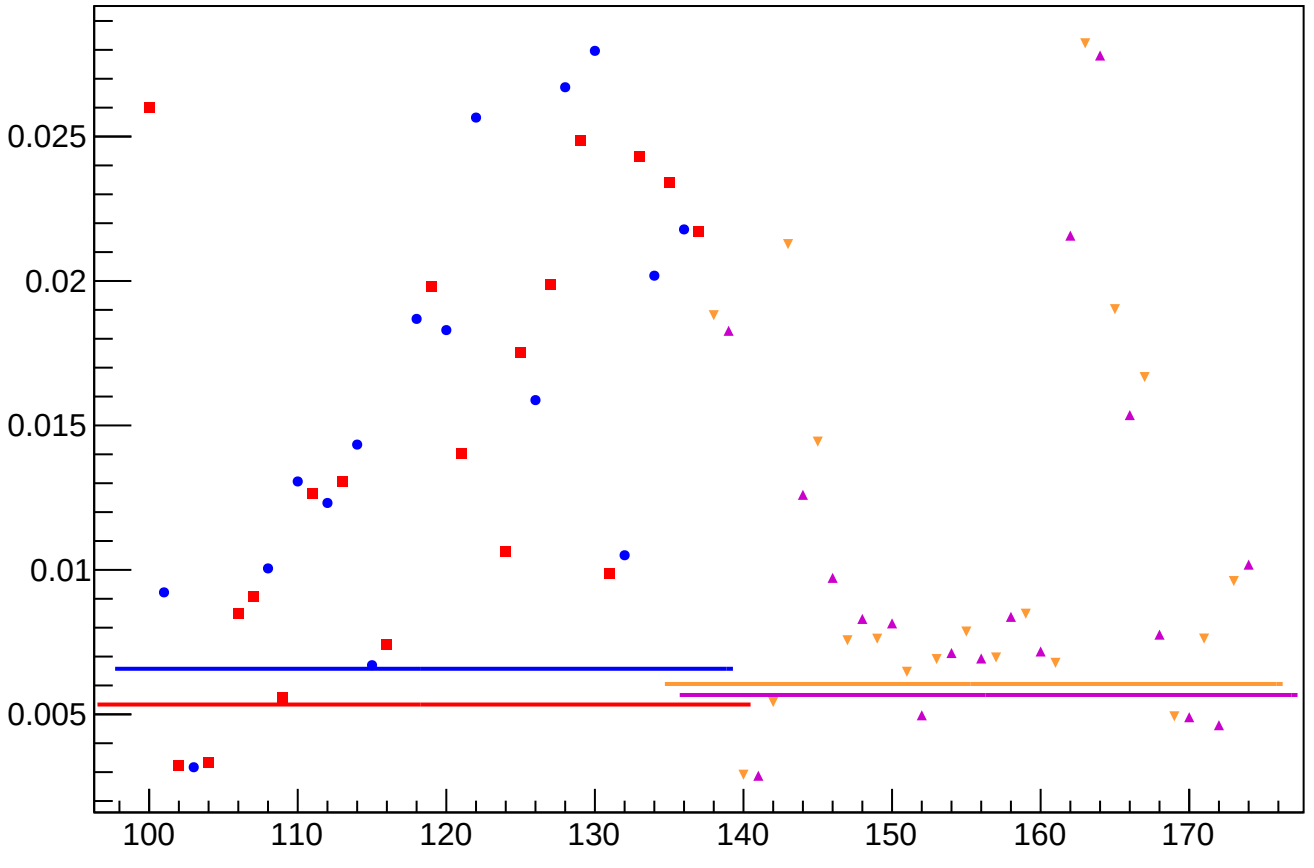
Left: -0.000+/-0.000 χ^2/NDF: 64.6/36

Right: -0.000+/-0.000 χ^2/NDF: 36.3/34

In: 0.000+/-0.000 χ^2/NDF:33.8/33

Out: -0.000+/-0.000 χ^2/NDF:63.7/37

All: -0.000+/-0.000 χ^2/NDF: 100.9/71



Right In: 0.007+/-0.000 χ^2/NDF: 5928012.0/15

Left Out: 0.006+/-0.000 χ^2/NDF:6970986.0/18

Right Out: 0.005+/-0.000 χ^2/NDF: 5685915.4/18

Left In: 0.006+/-0.000 χ^2/NDF:6414781.0/17

Left: 0.006+/-0.000 χ^2/NDF: 13430622.8/36

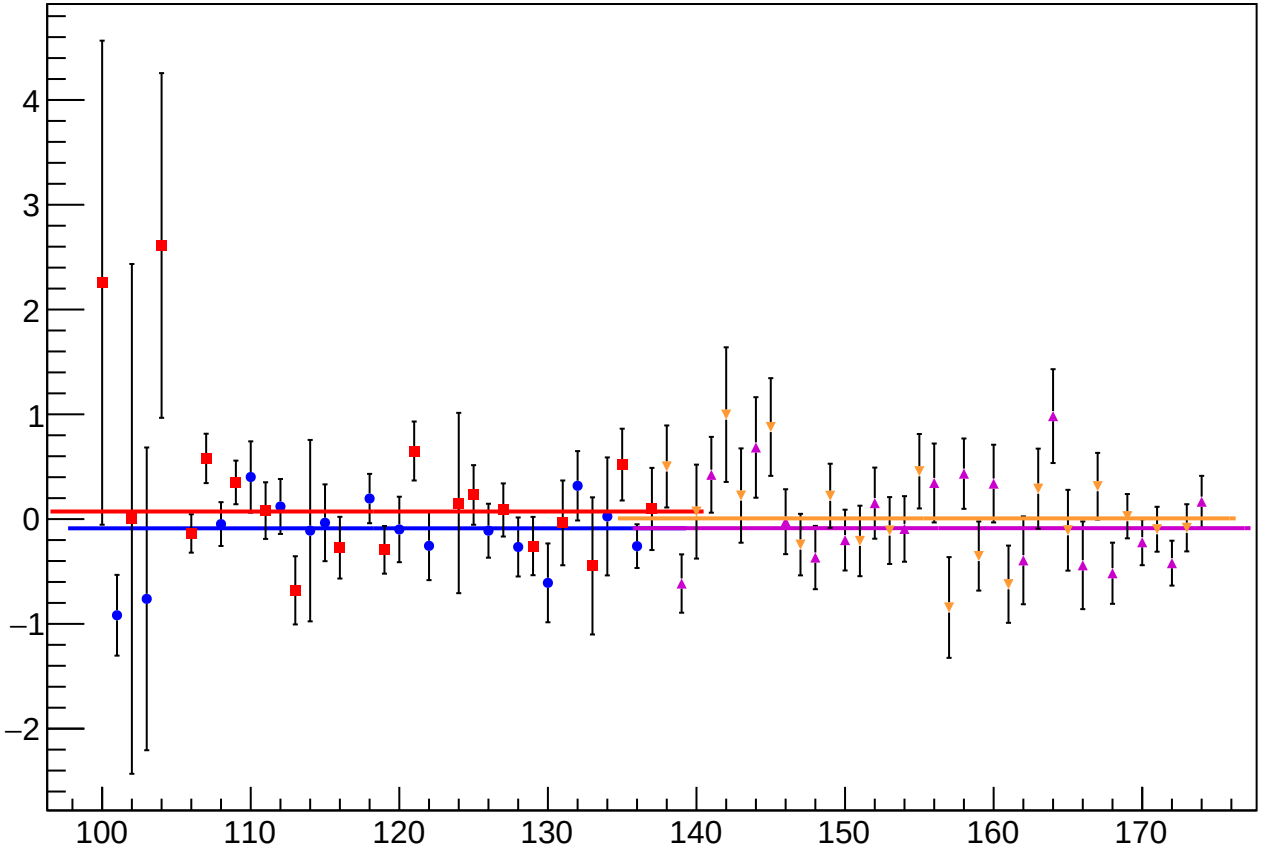
Right: 0.006+/-0.000 χ^2/NDF: 11788382.8/34

In: 0.006+/-0.000 χ^2/NDF:12460164.1/33

Out: 0.006+/-0.000 χ^2/NDF:12758033.5/37

All: 0.006+/-0.000 χ^2/NDF: 25219739.3/71

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

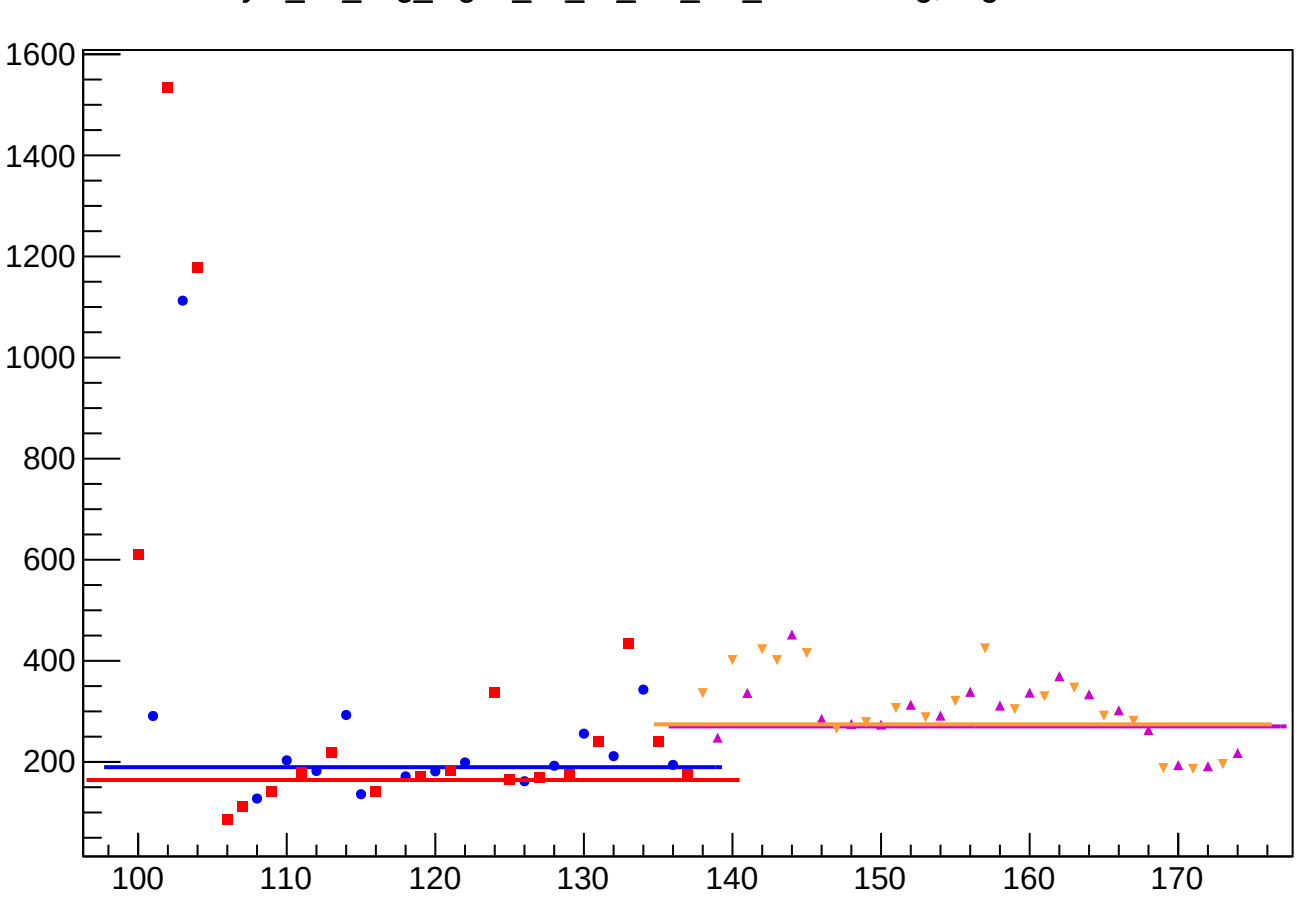
Left: -0.041+/-0.052 χ^2/NDF: 48.8/36

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.020+/-0.037 χ^2/NDF: 94.0/71



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 274.415+/-0.053 χ^2/NDF:1970086.2/18

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 270.304+/-0.052 χ^2/NDF:1344378.8/17

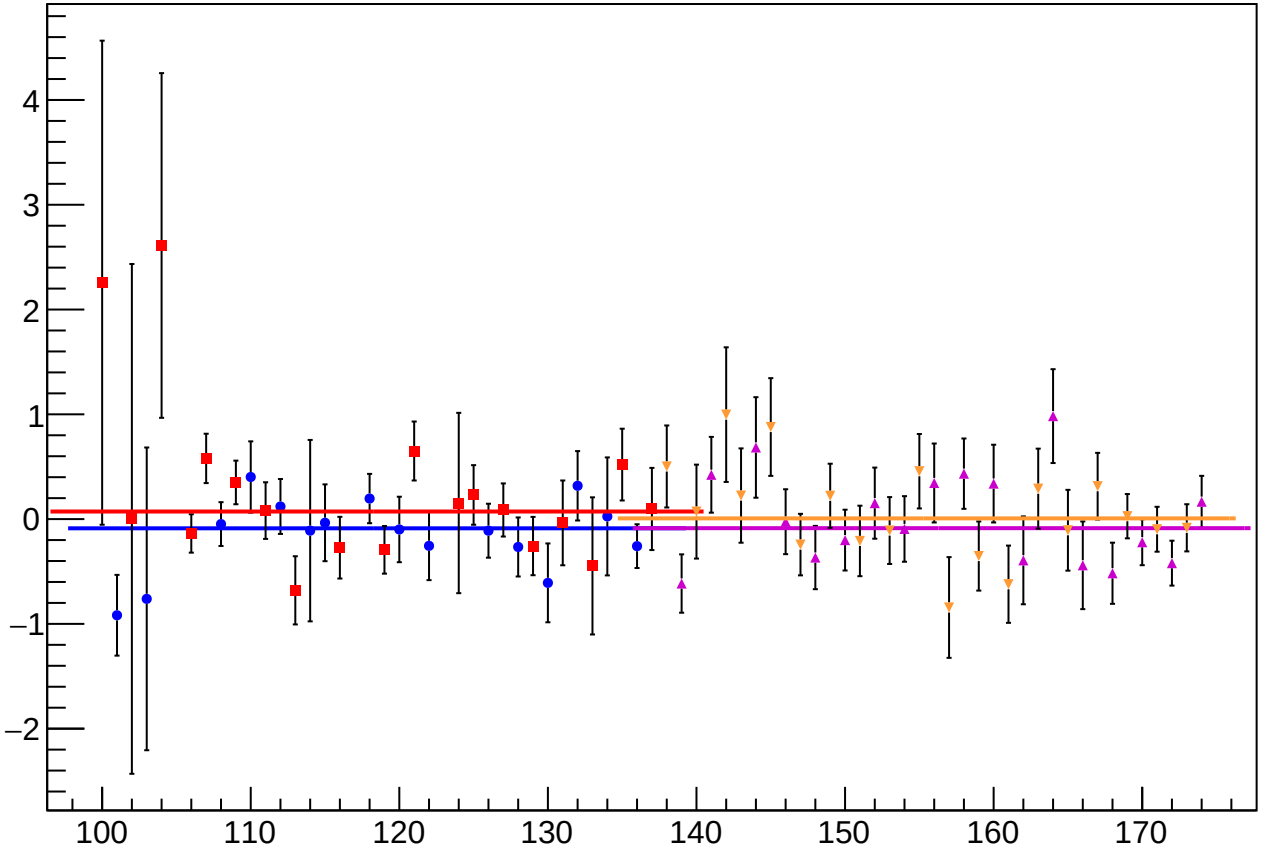
Left: 272.322+/-0.037 χ^2/NDF: 3317573.2/36

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.960+/-0.037 χ^2/NDF:3968857.3/33

Out: 215.998+/-0.036 χ^2/NDF:6937134.9/37

All: 223.682+/-0.026 χ^2/NDF: 11000341.7/71



Right In: -0.088+/-0.077 χ^2/NDF: 13.9/15

Left Out: 0.007+/-0.074 χ^2/NDF:20.3/18

Right Out: 0.072+/-0.070 χ^2/NDF: 28.7/18

Left In: -0.087+/-0.073 χ^2/NDF:27.7/17

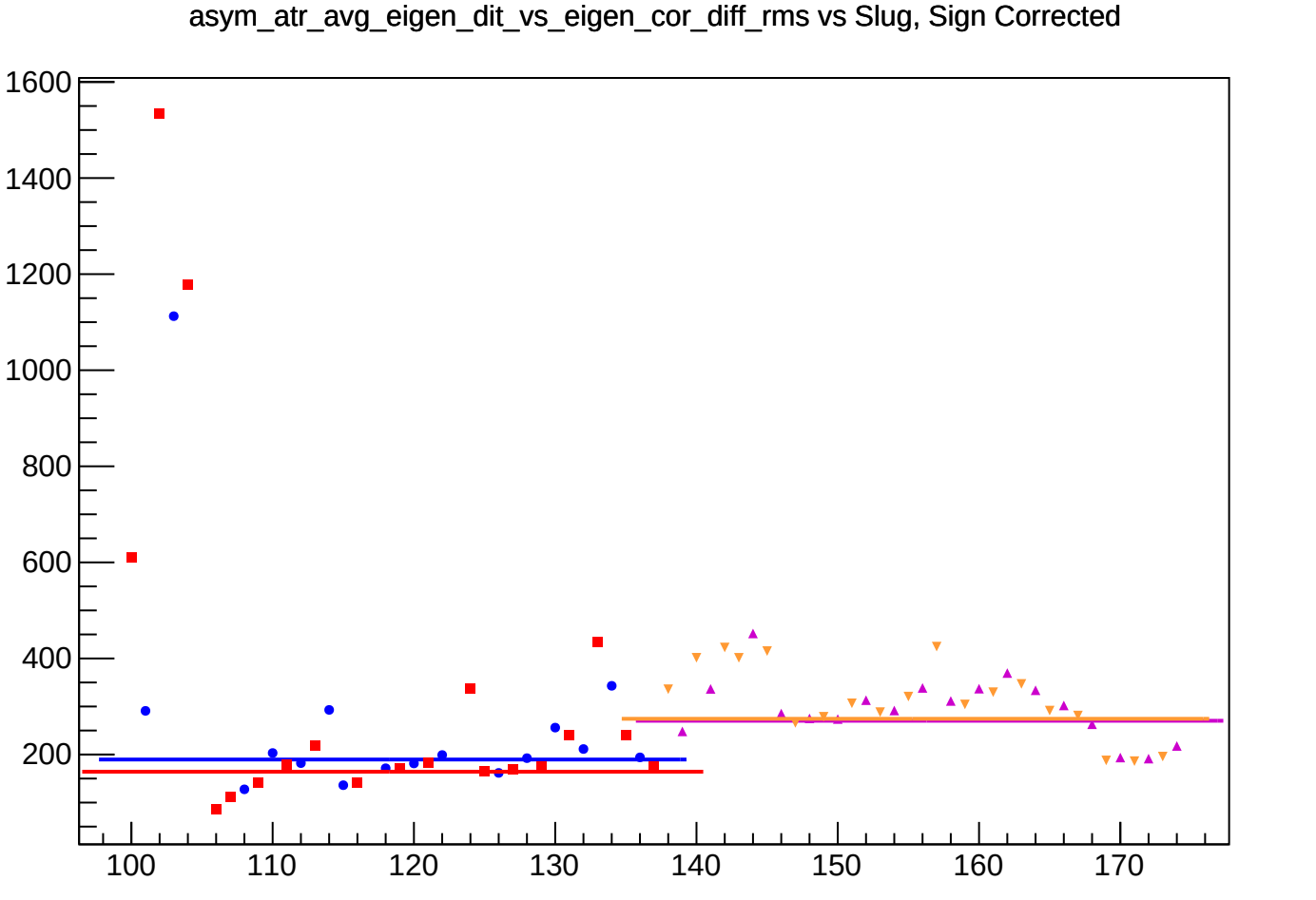
Left: -0.041+/-0.052 χ^2/NDF: 48.8/36

Right: -0.000+/-0.052 χ^2/NDF: 44.9/34

In: -0.087+/-0.053 χ^2/NDF:41.6/33

Out: 0.042+/-0.051 χ^2/NDF:49.4/37

All: -0.020+/-0.037 χ^2/NDF: 94.0/71



Right In: 189.628+/-0.054 χ^2/NDF: 1465464.1/15

Left Out: 274.415+/-0.053 χ^2/NDF:1970086.2/18

Right Out: 164.286+/-0.050 χ^2/NDF: 2643465.6/18

Left In: 270.304+/-0.052 χ^2/NDF:1344378.8/17

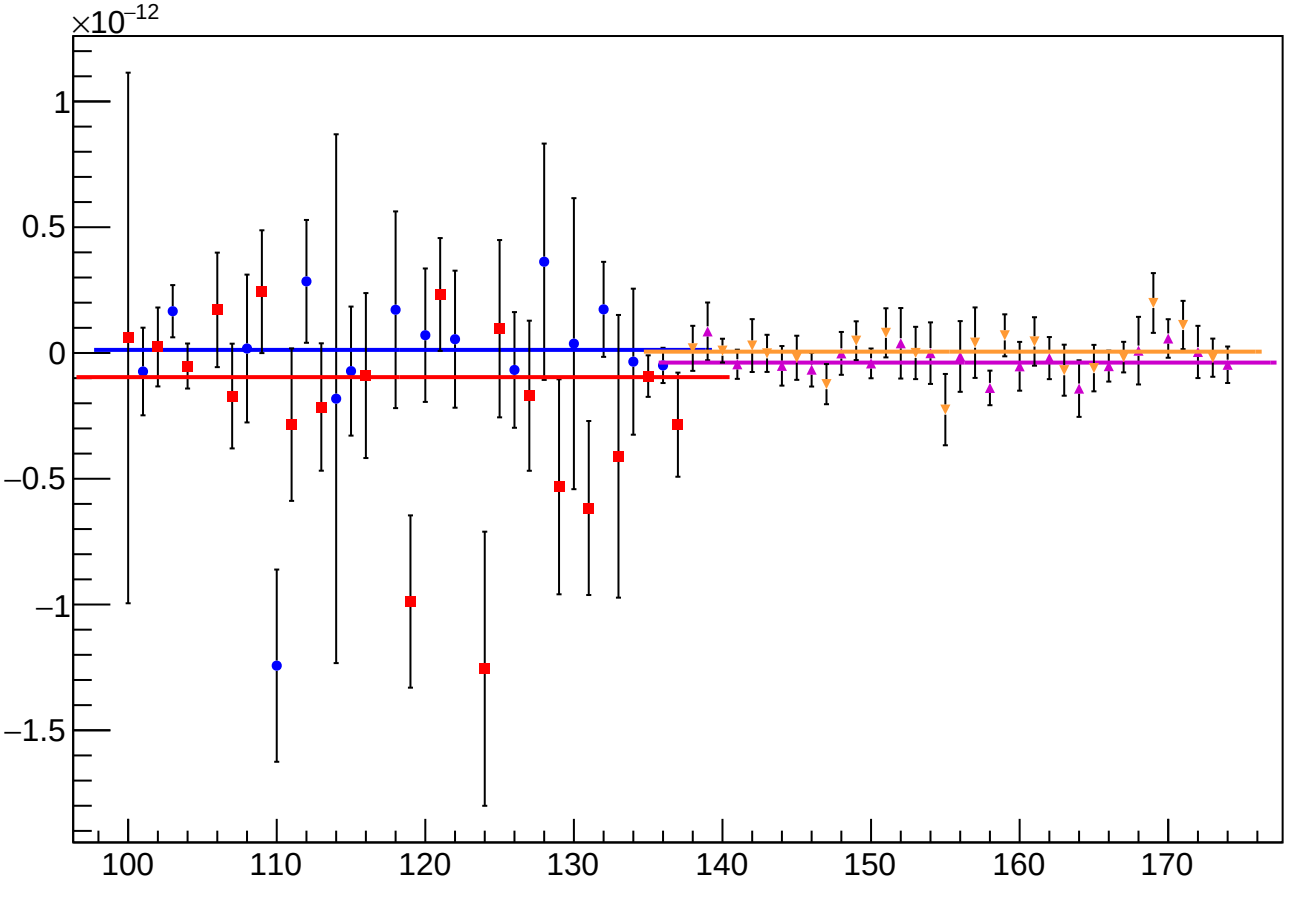
Left: 272.322+/-0.037 χ^2/NDF: 3317573.2/36

Right: 175.793+/-0.037 χ^2/NDF: 4227906.3/34

In: 231.960+/-0.037 χ^2/NDF:3968857.3/33

Out: 215.998+/-0.036 χ^2/NDF:6937134.9/37

All: 223.682+/-0.026 χ^2/NDF: 11000341.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 17.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:7.0/17

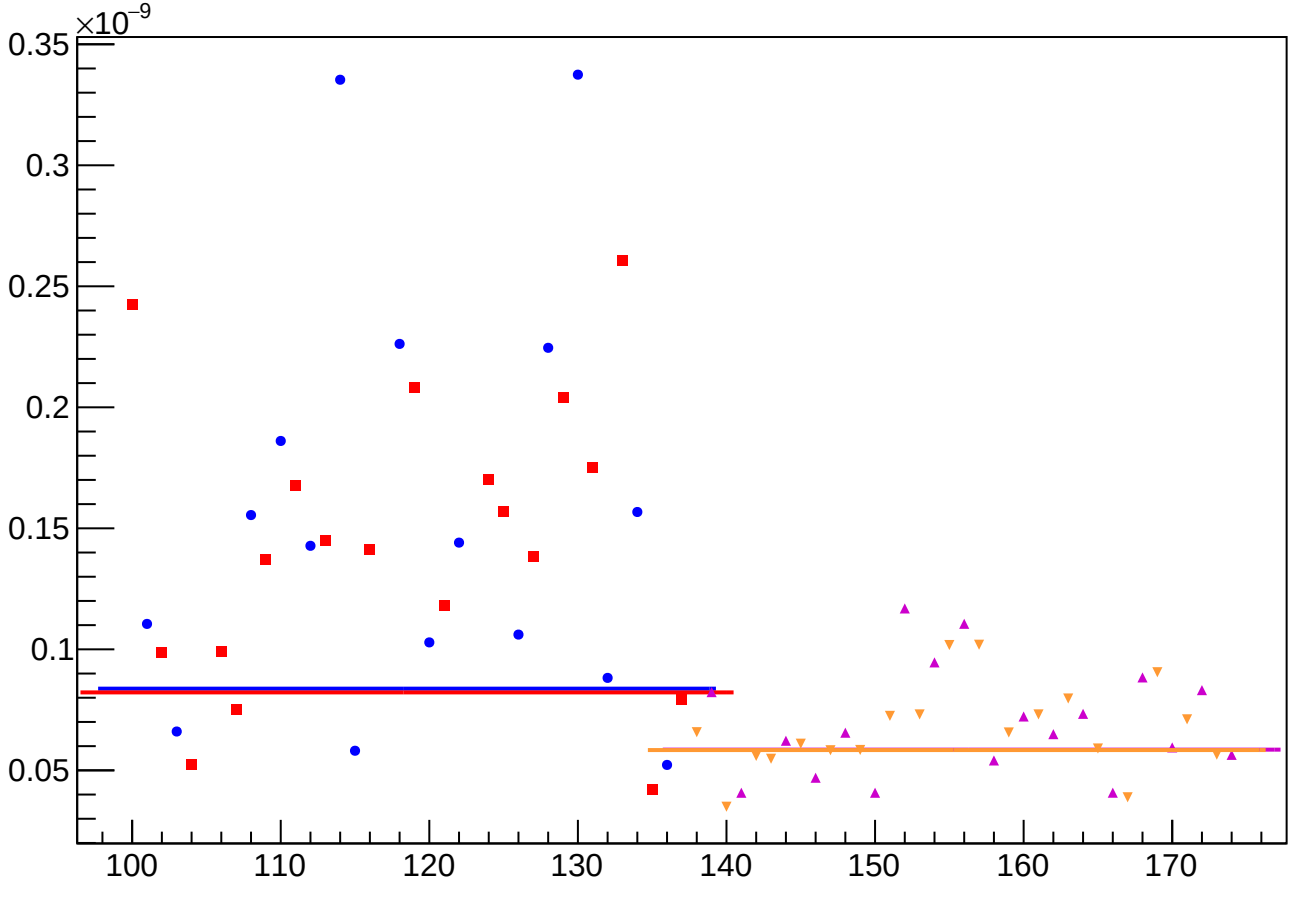
Left: -0.000+/-0.000 χ^2/NDF: 21.8/36

Right: -0.000+/-0.000 χ^2/NDF: 43.1/34

In: -0.000+/-0.000 χ^2/NDF:25.1/33

Out: -0.000+/-0.000 χ^2/NDF:39.8/37

All: -0.000+/-0.000 χ^2/NDF: 65.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 2109060.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1510827.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2271900.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1801153.2/17

Left: 0.000+/-0.000 χ^2/NDF: 3312060.8/36

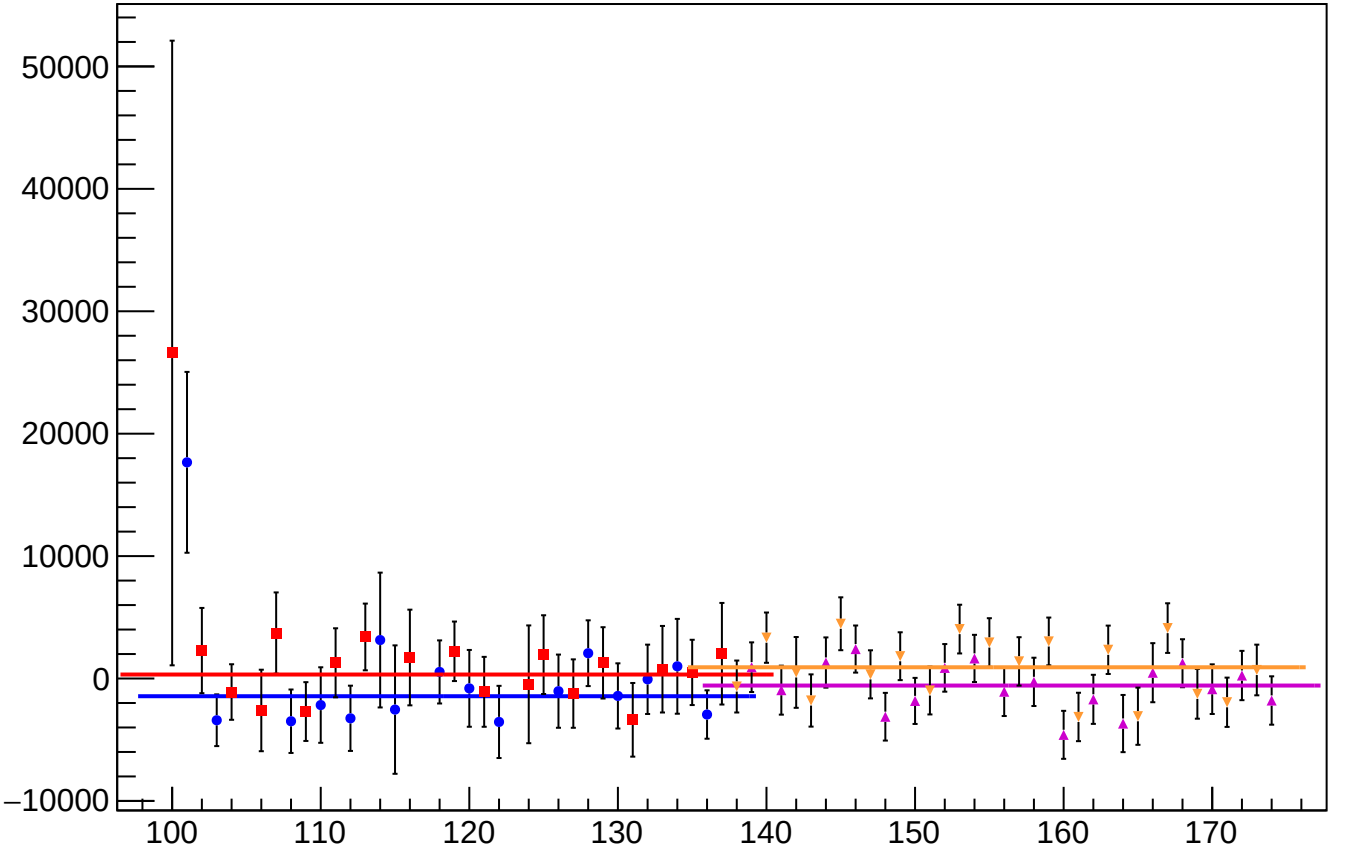
Right: 0.000+/-0.000 χ^2/NDF: 4382137.4/34

In: 0.000+/-0.000 χ^2/NDF:4428039.6/33

Out: 0.000+/-0.000 χ^2/NDF:4260810.8/37

All: 0.000+/-0.000 χ^2/NDF: 8689137.0/71

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.547+/-723.140 χ^2/NDF: 13.5/15

Left Out: 918.614+/-472.394 χ^2/NDF:25.6/18

Right Out: 325.908+/-702.648 χ^2/NDF: 9.9/18

Left In: -574.580+/-473.579 χ^2/NDF:15.9/17

Left: 173.888+/-334.451 χ^2/NDF: 46.4/36

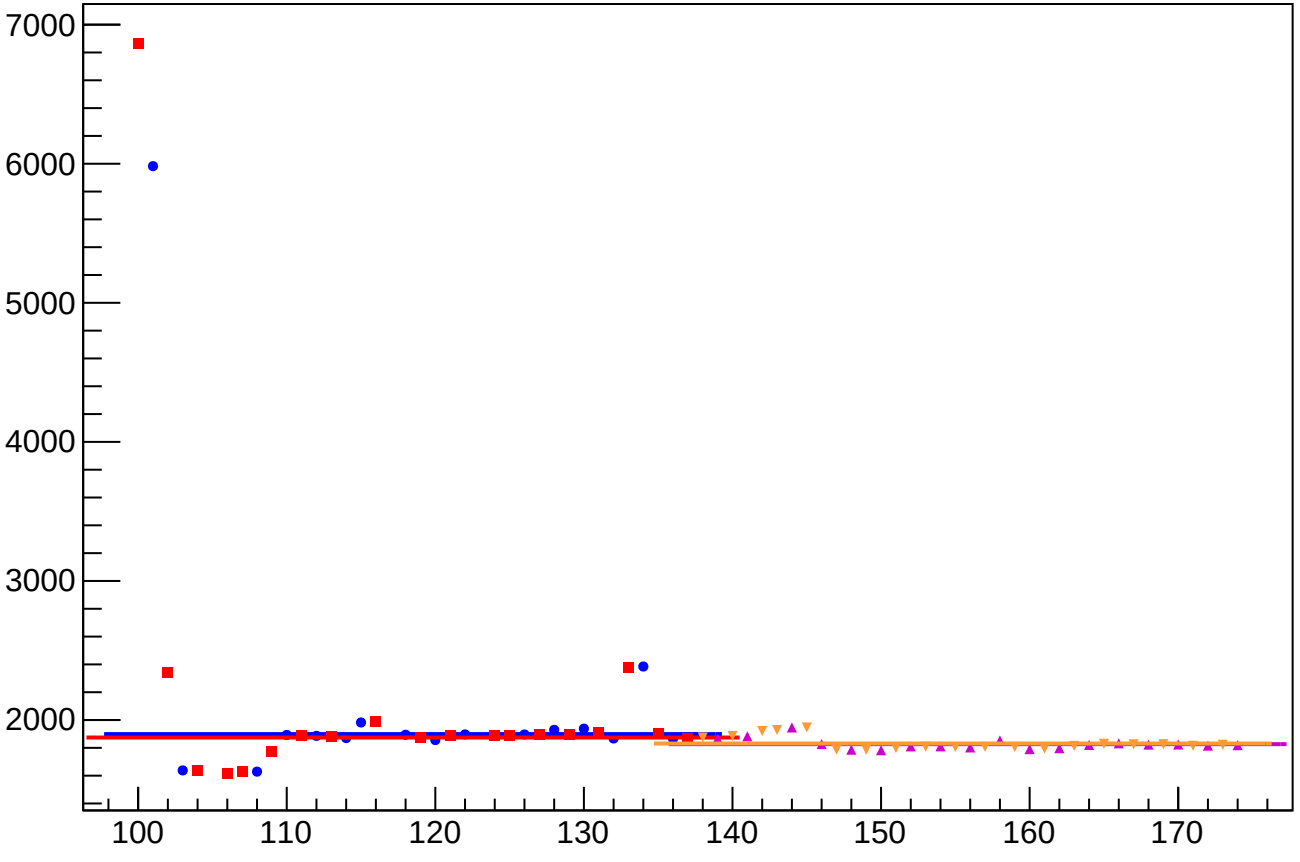
Right: -534.850+/-503.936 χ^2/NDF: 26.5/34

In: -836.304+/-396.182 χ^2/NDF:30.4/33

Out: 734.109+/-392.033 χ^2/NDF:36.0/37

All: -42.831+/-278.664 χ^2/NDF: 74.3/71

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.2/15

Left Out: 1831.106+/-0.334 χ^2/NDF:18854.4/18

Right Out: 1874.251+/-0.495 χ^2/NDF: 207657.7/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

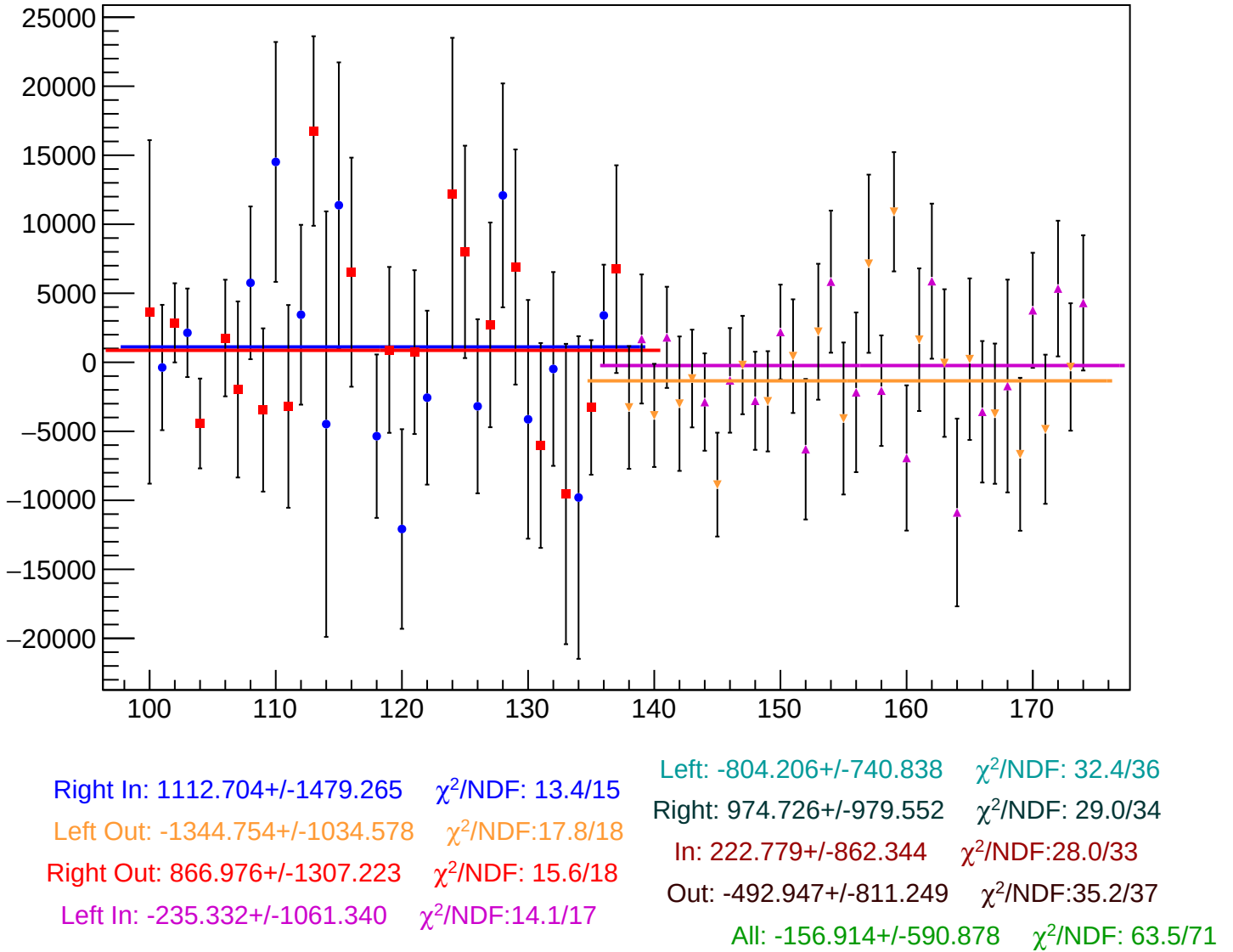
Left: 1828.849+/-0.236 χ^2/NDF: 32199.1/36

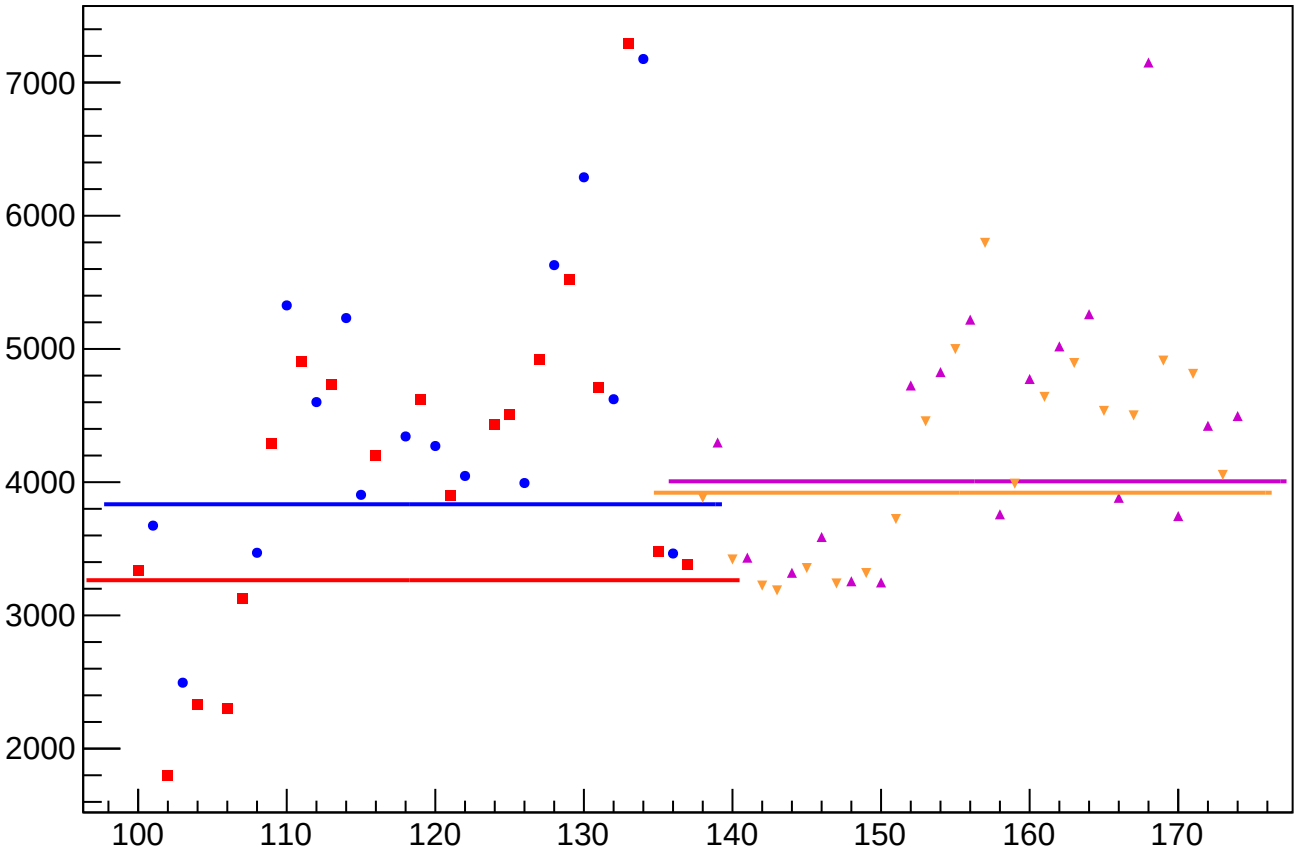
Right: 1886.144+/-0.356 χ^2/NDF: 906364.0/34

In: 1848.266+/-0.280 χ^2/NDF:724737.5/33

Out: 1844.600+/-0.277 χ^2/NDF:231729.7/37

All: 1846.411+/-0.197 χ^2/NDF: 956553.9/71


asym_atr_dd_reg_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1112.704+/-1479.265 χ²/NDF: 13.4/15
Left Out: -1344.754+/-1034.578 χ²/NDF:17.8/18
Right Out: 866.976+/-1307.223 χ²/NDF: 15.6/18
Left In: -235.332+/-1061.340 χ²/NDF:14.1/17
Left: -804.206+/-740.838 χ²/NDF: 32.4/36
Right: 974.726+/-979.552 χ²/NDF: 29.0/34
In: 222.779+/-862.344 χ²/NDF:28.0/33
Out: -492.947+/-811.249 χ²/NDF:35.2/37
All: -156.914+/-590.878 χ²/NDF: 63.5/71



Right In: 3834.164+/-1.046 χ^2/NDF: 956775.6/15

Left Out: 3921.027+/-0.732 χ^2/NDF:883989.5/18

Right Out: 3264.110+/-0.924 χ^2/NDF: 1864241.4/18

Left In: 4006.475+/-0.750 χ^2/NDF:1081821.6/17

Left: 3962.660+/-0.524 χ^2/NDF: 1972458.4/36

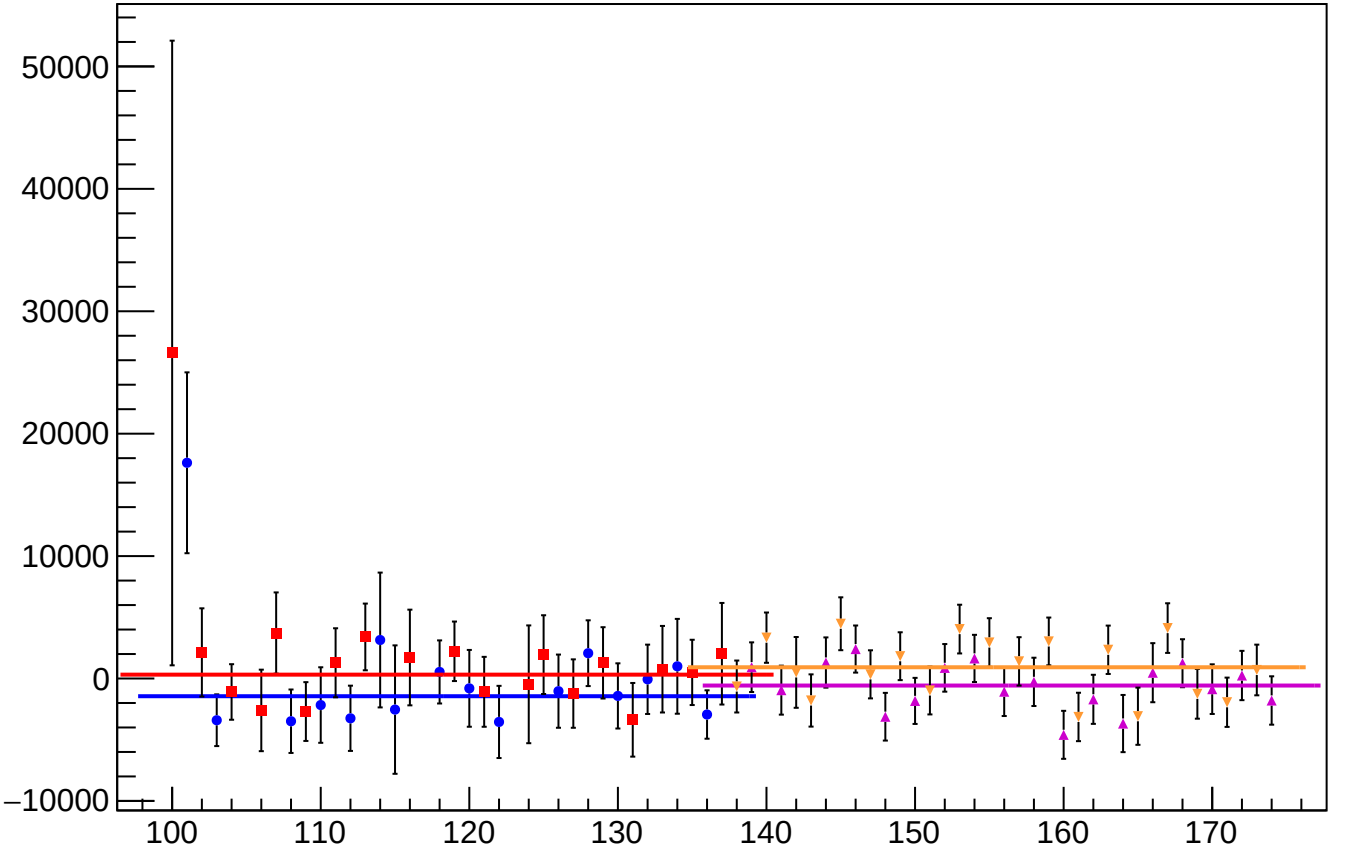
Right: 3514.075+/-0.693 χ^2/NDF: 2987789.5/34

In: 3947.918+/-0.610 χ^2/NDF:2056512.3/33

Out: 3668.028+/-0.574 χ^2/NDF:3058782.2/37

All: 3799.436+/-0.418 χ^2/NDF: 5227065.9/71

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 918.717+/-472.394 χ^2/NDF:25.6/18

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -574.486+/-473.579 χ^2/NDF:15.9/17

Left: 173.986+/-334.451 χ^2/NDF: 46.4/36

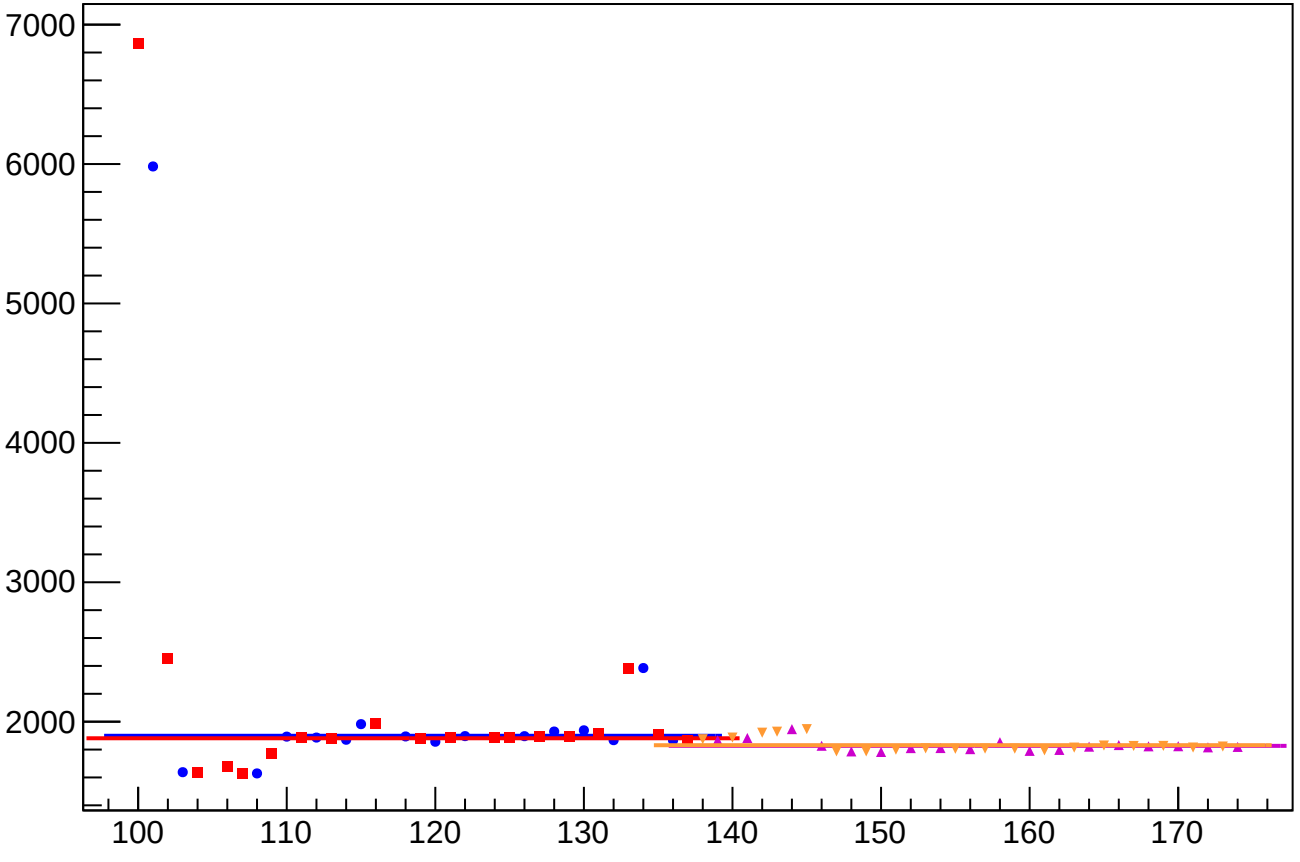
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -836.354+/-396.182 χ^2/NDF:30.3/33

Out: 731.277+/-392.197 χ^2/NDF:36.0/37

All: -44.616+/-278.723 χ^2/NDF: 74.2/71

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.106+/-0.334 χ^2/NDF:18854.4/18

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

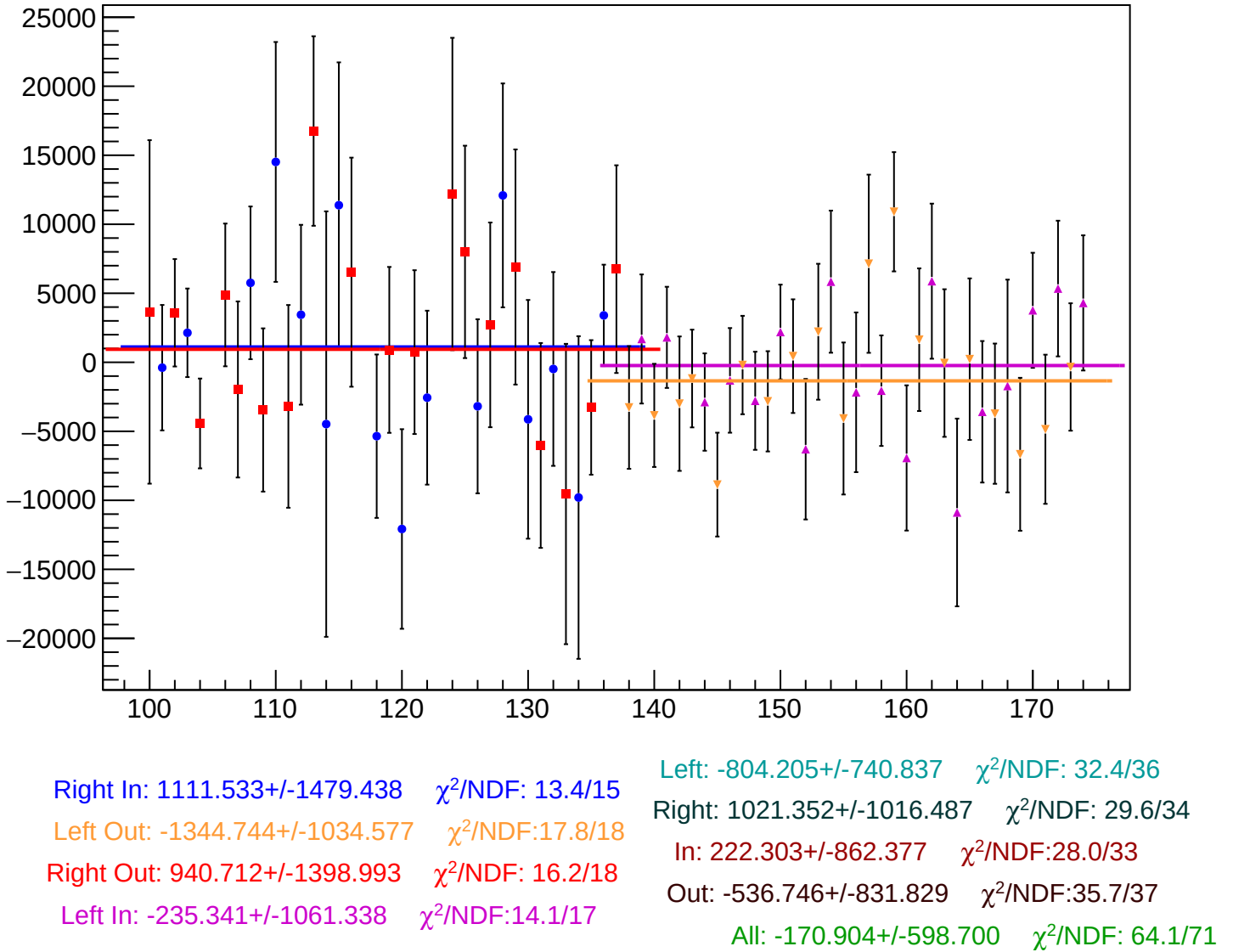
Left: 1828.849+/-0.236 χ^2/NDF: 32199.1/36

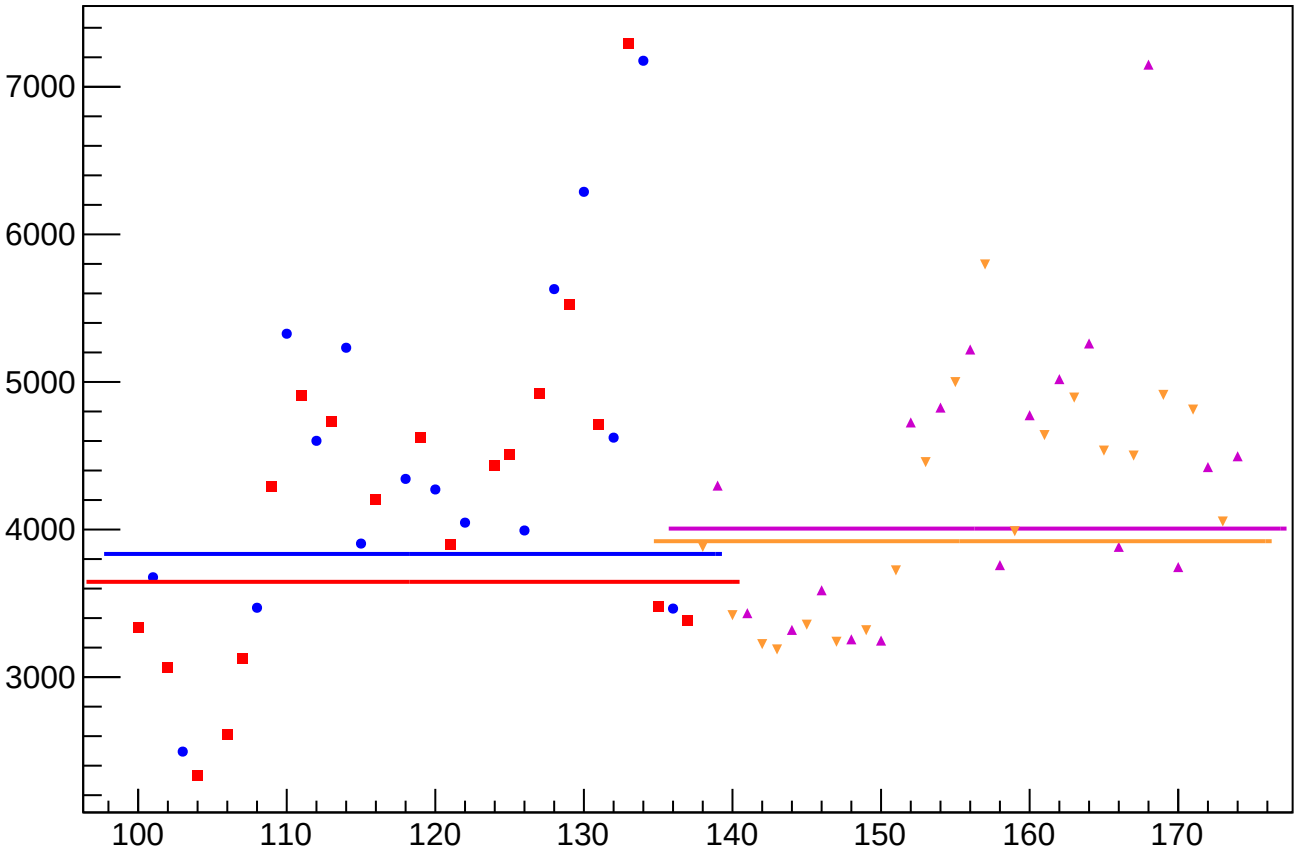
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1848.266+/-0.280 χ^2/NDF:724737.6/33

Out: 1846.644+/-0.277 χ^2/NDF:242367.7/37

All: 1847.446+/-0.197 χ^2/NDF: 967122.2/71


asym_atr_dd_cor_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 1111.533+/-1479.438 χ²/NDF: 13.4/15
Left Out: -1344.744+/-1034.577 χ²/NDF:17.8/18
Right Out: 940.712+/-1398.993 χ²/NDF: 16.2/18
Left In: -235.341+/-1061.338 χ²/NDF:14.1/17
Left: -804.205+/-740.837 χ²/NDF: 32.4/36
Right: 1021.352+/-1016.487 χ²/NDF: 29.6/34
In: 222.303+/-862.377 χ²/NDF:28.0/33
Out: -536.746+/-831.829 χ²/NDF:35.7/37
All: -170.904+/-598.700 χ²/NDF: 64.1/71



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3921.023+/-0.732 χ^2/NDF:883981.8/18

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

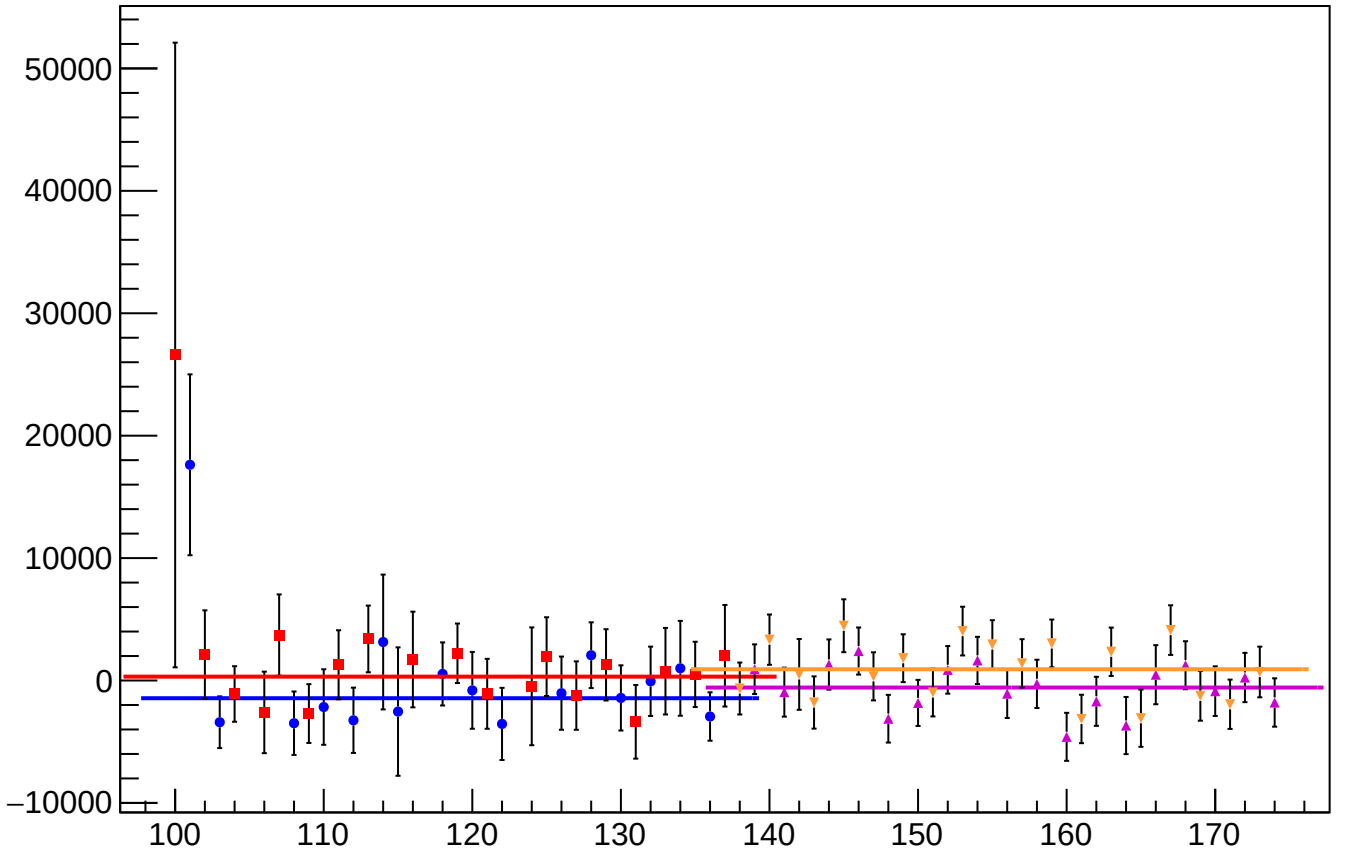
Left: 3962.655+/-0.524 χ^2/NDF: 1972465.2/36

Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3948.101+/-0.610 χ^2/NDF:2055950.4/33

Out: 3823.682+/-0.588 χ^2/NDF:2059042.7/37

All: 3883.649+/-0.423 χ^2/NDF: 4136558.7/71



Right In: -1446.933+/-723.140 χ^2/NDF: 13.5/15

Left Out: 918.717+/-472.394 χ^2/NDF:25.6/18

Right Out: 315.462+/-703.596 χ^2/NDF: 9.9/18

Left In: -574.486+/-473.579 χ^2/NDF:15.9/17

Left: 173.986+/-334.451 χ^2/NDF: 46.4/36

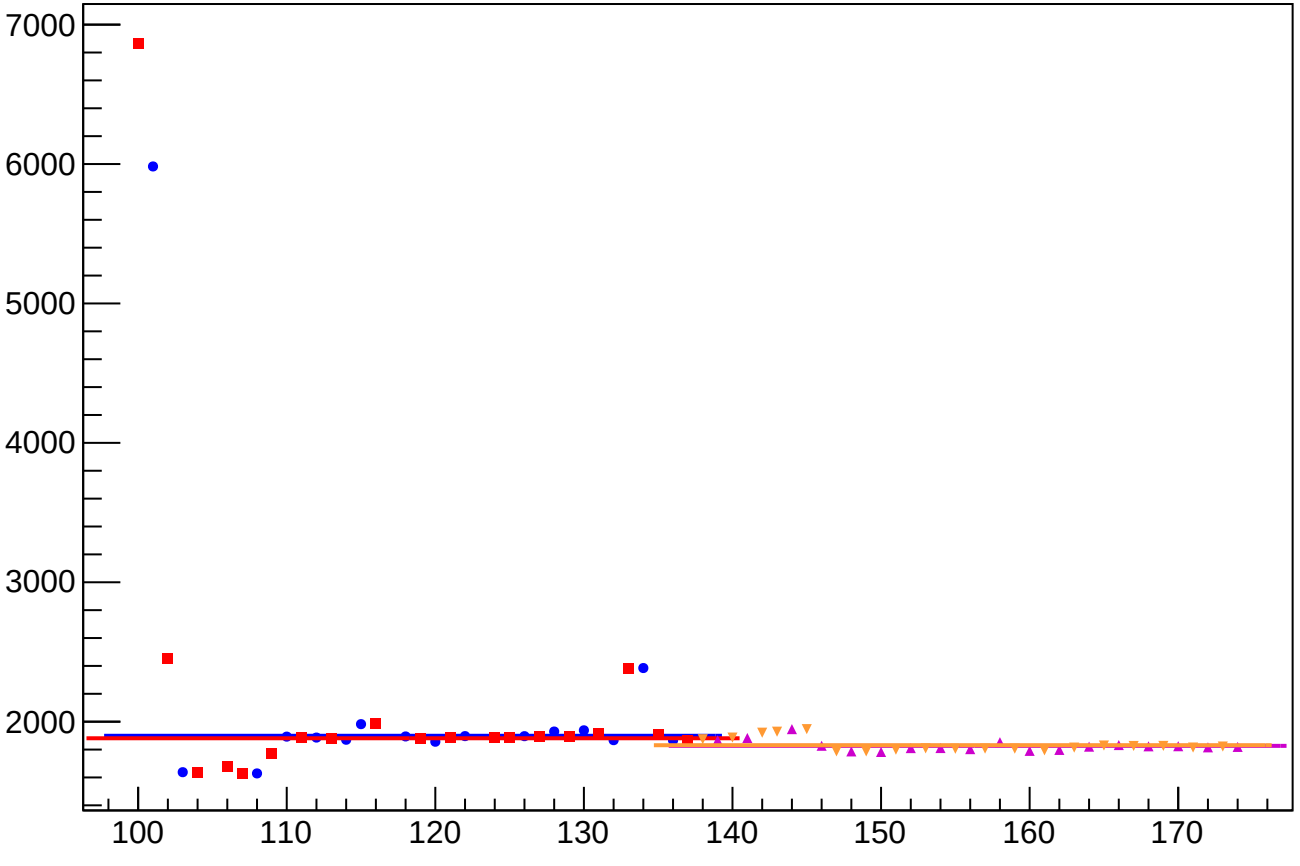
Right: -541.597+/-504.285 χ^2/NDF: 26.4/34

In: -836.354+/-396.182 χ^2/NDF:30.3/33

Out: 731.277+/-392.197 χ^2/NDF:36.0/37

All: -44.616+/-278.723 χ^2/NDF: 74.2/71

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1898.826+/-0.511 χ^2/NDF: 697514.4/15

Left Out: 1831.106+/-0.334 χ^2/NDF:18854.4/18

Right Out: 1881.007+/-0.497 χ^2/NDF: 216564.4/18

Left In: 1826.581+/-0.335 χ^2/NDF:13253.1/17

Left: 1828.849+/-0.236 χ^2/NDF: 32199.1/36

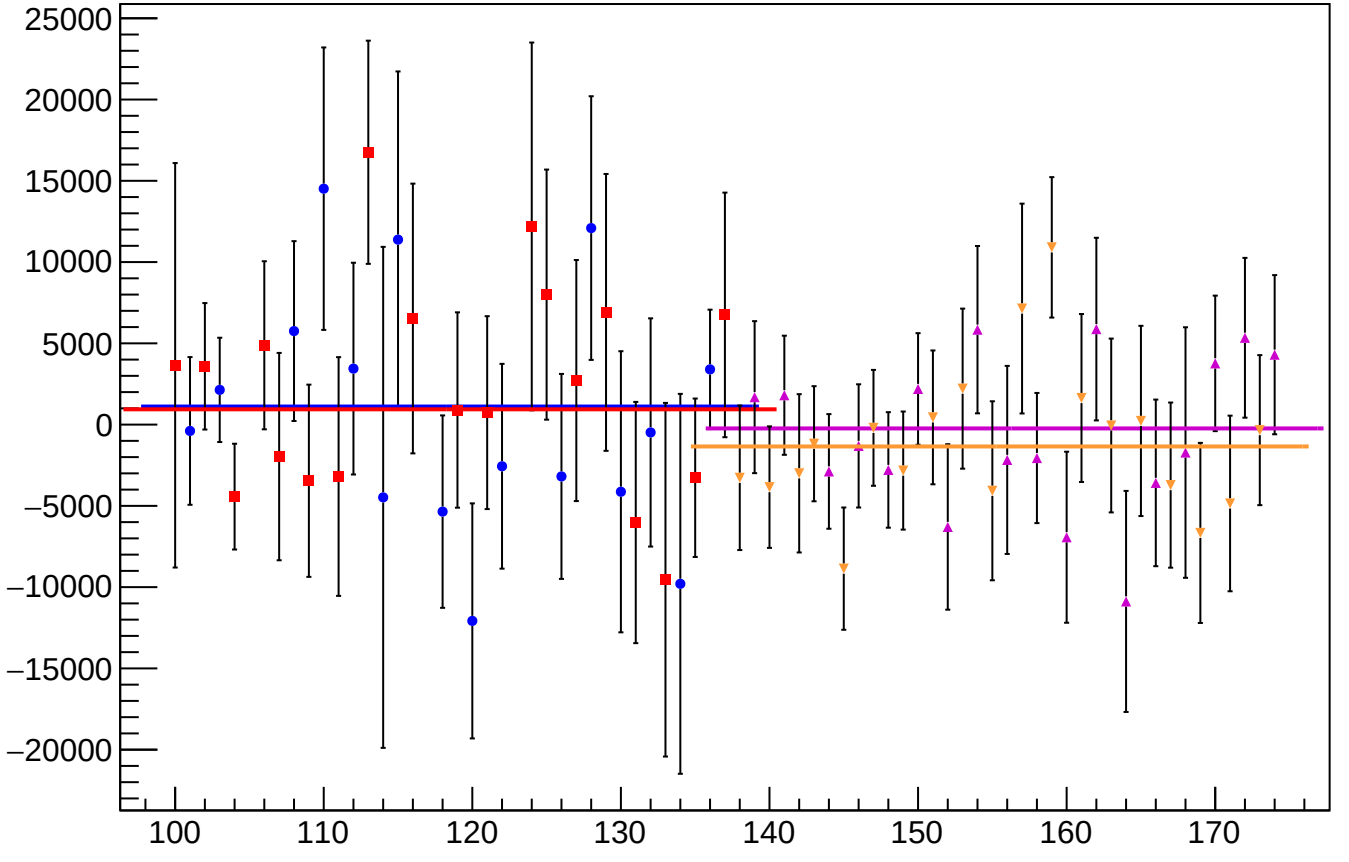
Right: 1889.658+/-0.356 χ^2/NDF: 914703.5/34

In: 1848.266+/-0.280 χ^2/NDF:724737.6/33

Out: 1846.644+/-0.277 χ^2/NDF:242367.7/37

All: 1847.446+/-0.197 χ^2/NDF: 967122.2/71

asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1111.533+/-1479.438 χ^2/NDF: 13.4/15

Left Out: -1344.744+/-1034.577 χ^2/NDF:17.8/18

Right Out: 940.712+/-1398.993 χ^2/NDF: 16.2/18

Left In: -235.341+/-1061.338 χ^2/NDF:14.1/17

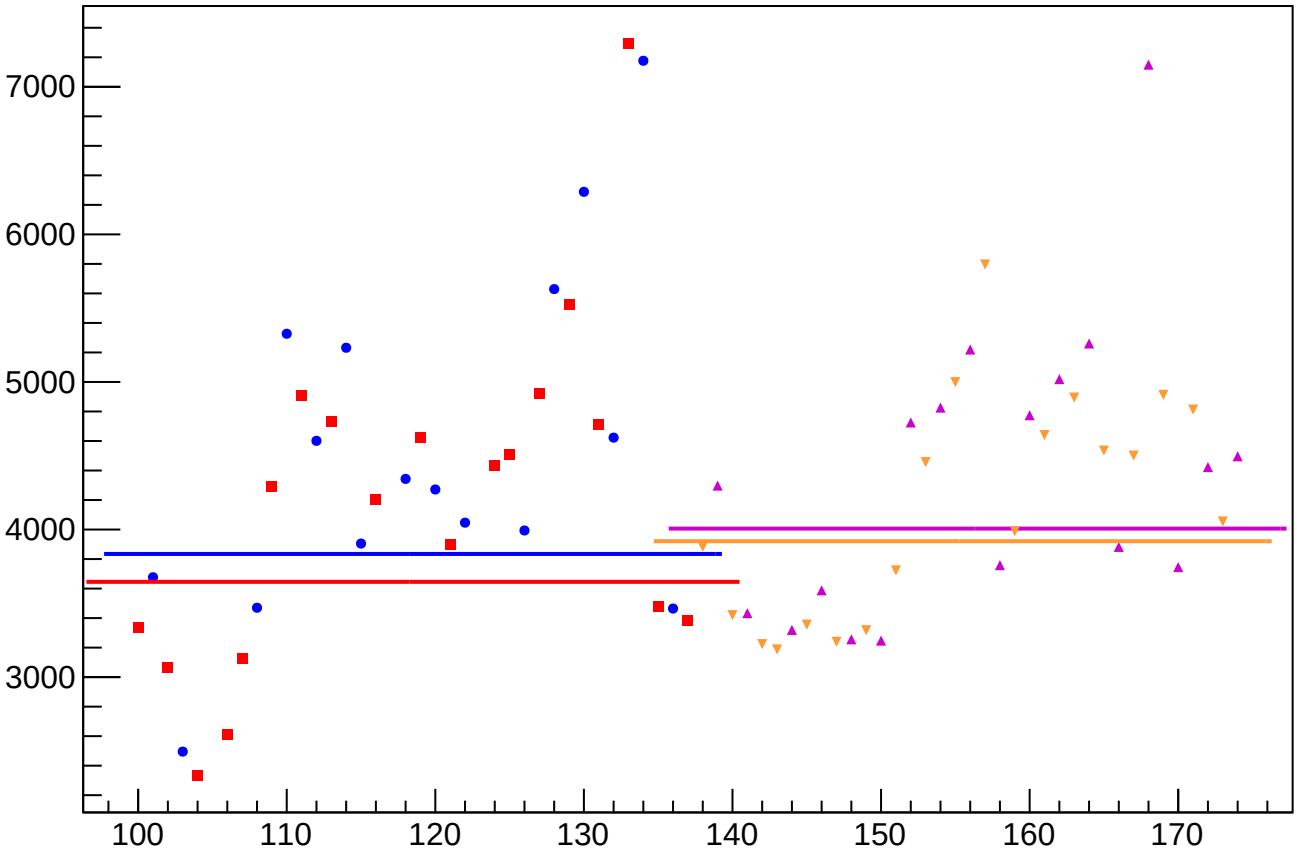
Left: -804.205+/-740.837 χ^2/NDF: 32.4/36

Right: 1021.352+/-1016.487 χ^2/NDF: 29.6/34

In: 222.303+/-862.377 χ^2/NDF:28.0/33

Out: -536.746+/-831.829 χ^2/NDF:35.7/37

All: -170.904+/-598.700 χ^2/NDF: 64.1/71



Right In: 3834.690+/-1.046 χ^2/NDF: 956312.2/15

Left Out: 3921.023+/-0.732 χ^2/NDF:883981.8/18

Right Out: 3645.689+/-0.989 χ^2/NDF: 1124981.4/18

Left In: 4006.468+/-0.750 χ^2/NDF:1081836.5/17

Left: 3962.655+/-0.524 χ^2/NDF: 1972465.2/36

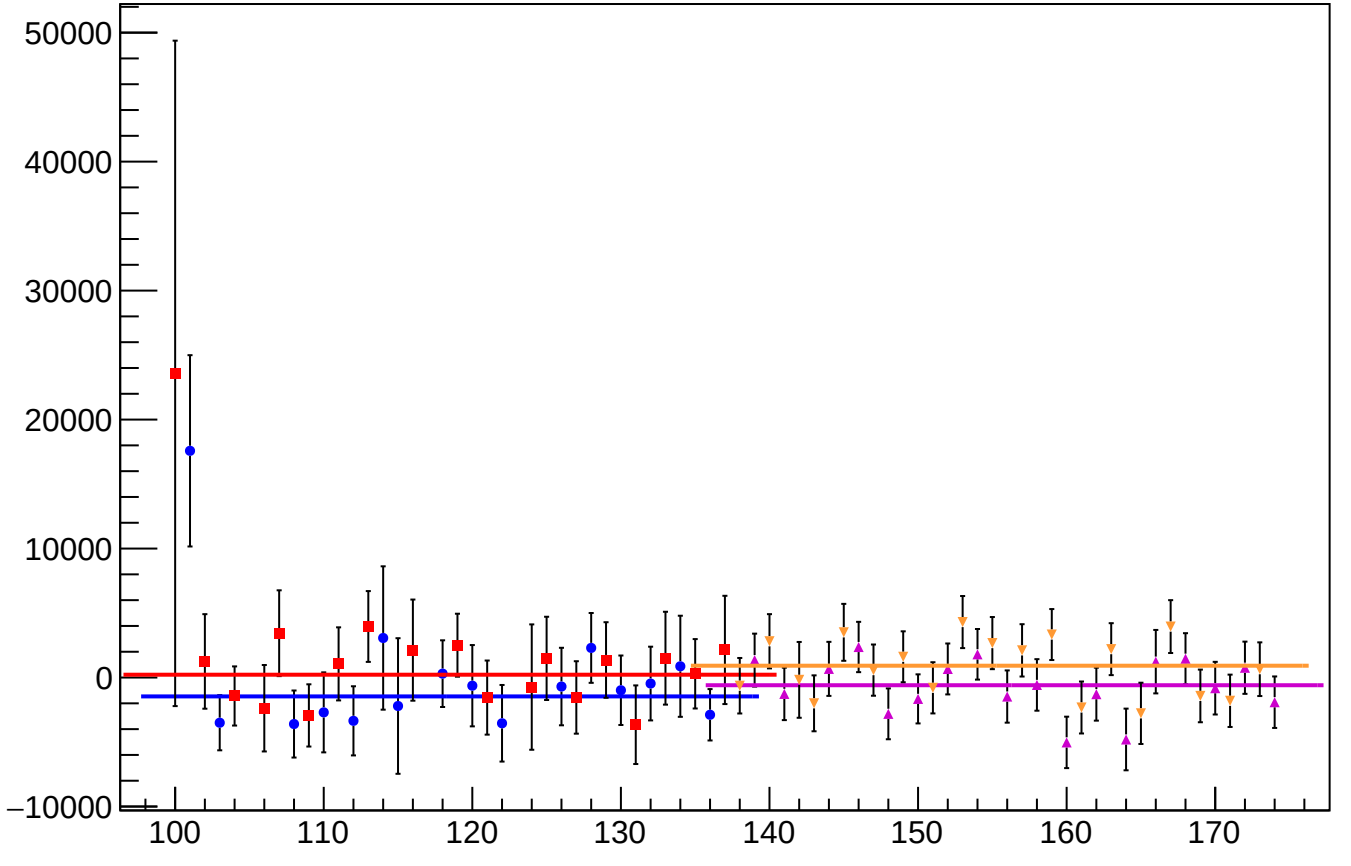
Right: 3734.912+/-0.719 χ^2/NDF: 2098525.6/34

In: 3948.101+/-0.610 χ^2/NDF:2055950.4/33

Out: 3823.682+/-0.588 χ^2/NDF:2059042.7/37

All: 3883.649+/-0.423 χ^2/NDF: 4136558.7/71

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1462.640+/-728.274 χ^2/NDF: 13.6/15

Left Out: 917.623+/-479.345 χ^2/NDF:21.7/18

Right Out: 219.726+/-708.852 χ^2/NDF: 10.8/18

Left In: -595.694+/-480.397 χ^2/NDF:18.0/17

Left: 162.624+/-339.319 χ^2/NDF: 44.7/36

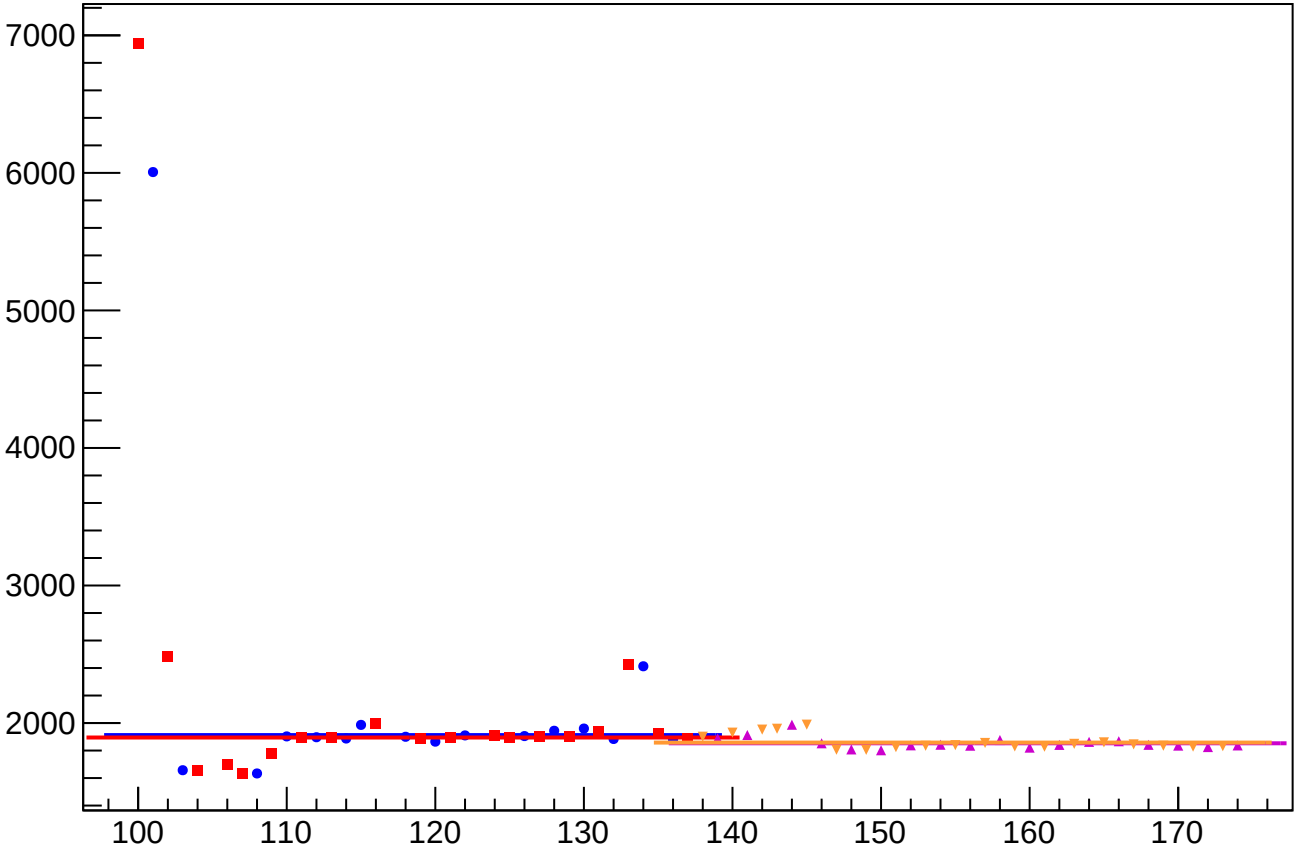
Right: -598.725+/-507.962 χ^2/NDF: 27.1/34

In: -858.548+/-401.011 χ^2/NDF:32.6/33

Out: 698.629+/-397.078 χ^2/NDF:33.2/37

All: -72.287+/-282.157 χ^2/NDF: 73.3/71

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.3/15

Left Out: 1857.902+/-0.339 χ^2/NDF:22273.8/18

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1852.781+/-0.340 χ^2/NDF:15058.0/17

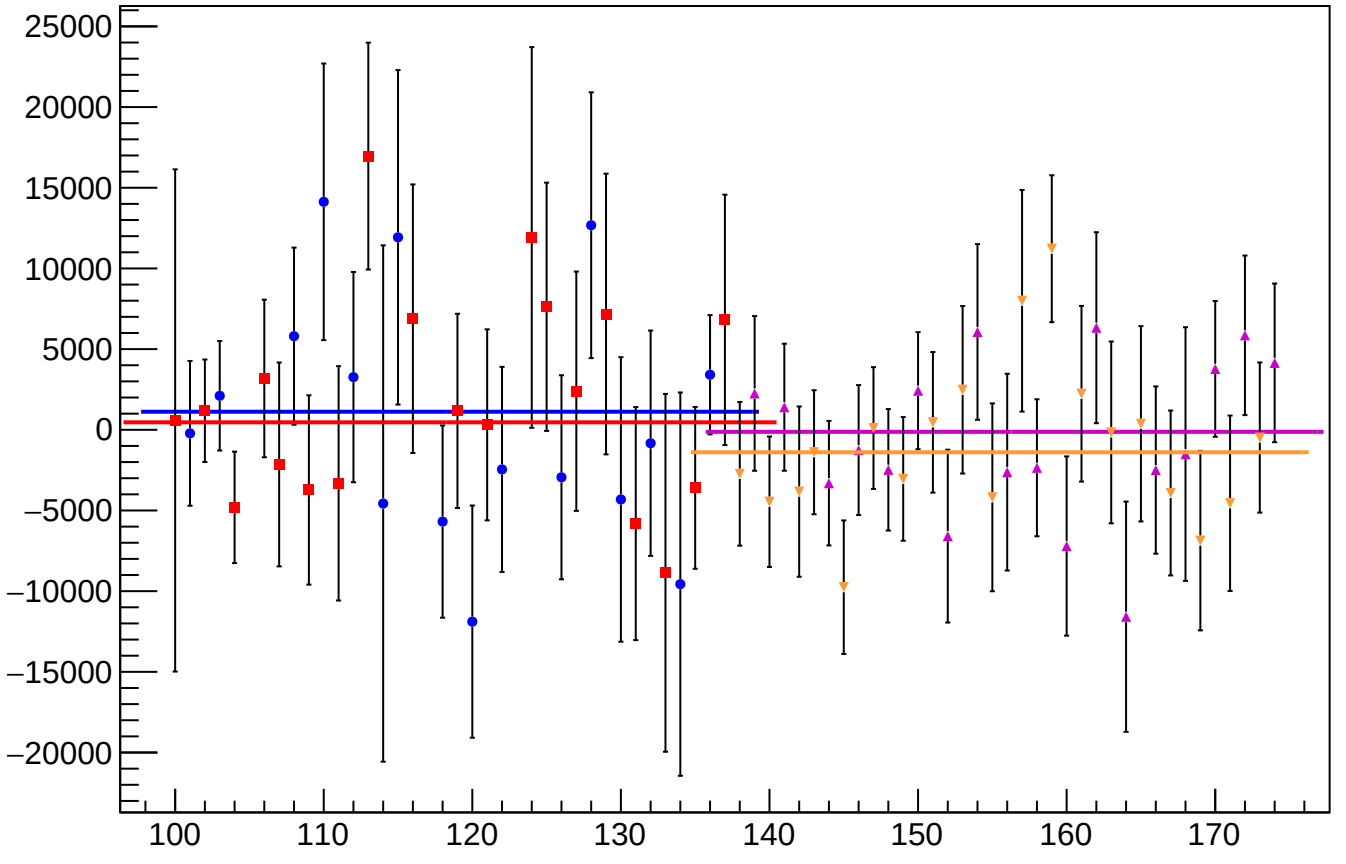
Left: 1855.347+/-0.240 χ^2/NDF: 37445.7/36

Right: 1903.324+/-0.359 χ^2/NDF: 916603.1/34

In: 1870.850+/-0.284 χ^2/NDF:720611.0/33

Out: 1869.486+/-0.281 χ^2/NDF:245772.2/37

All: 1870.161+/-0.199 χ^2/NDF: 966394.9/71



Right In: 1120.173+/-1497.671 χ^2/NDF: 13.5/15

Left Out: -1392.177+/-1088.487 χ^2/NDF:18.0/18

Right Out: 464.368+/-1370.818 χ^2/NDF: 15.0/18

Left In: -125.664+/-1112.921 χ^2/NDF:13.9/17

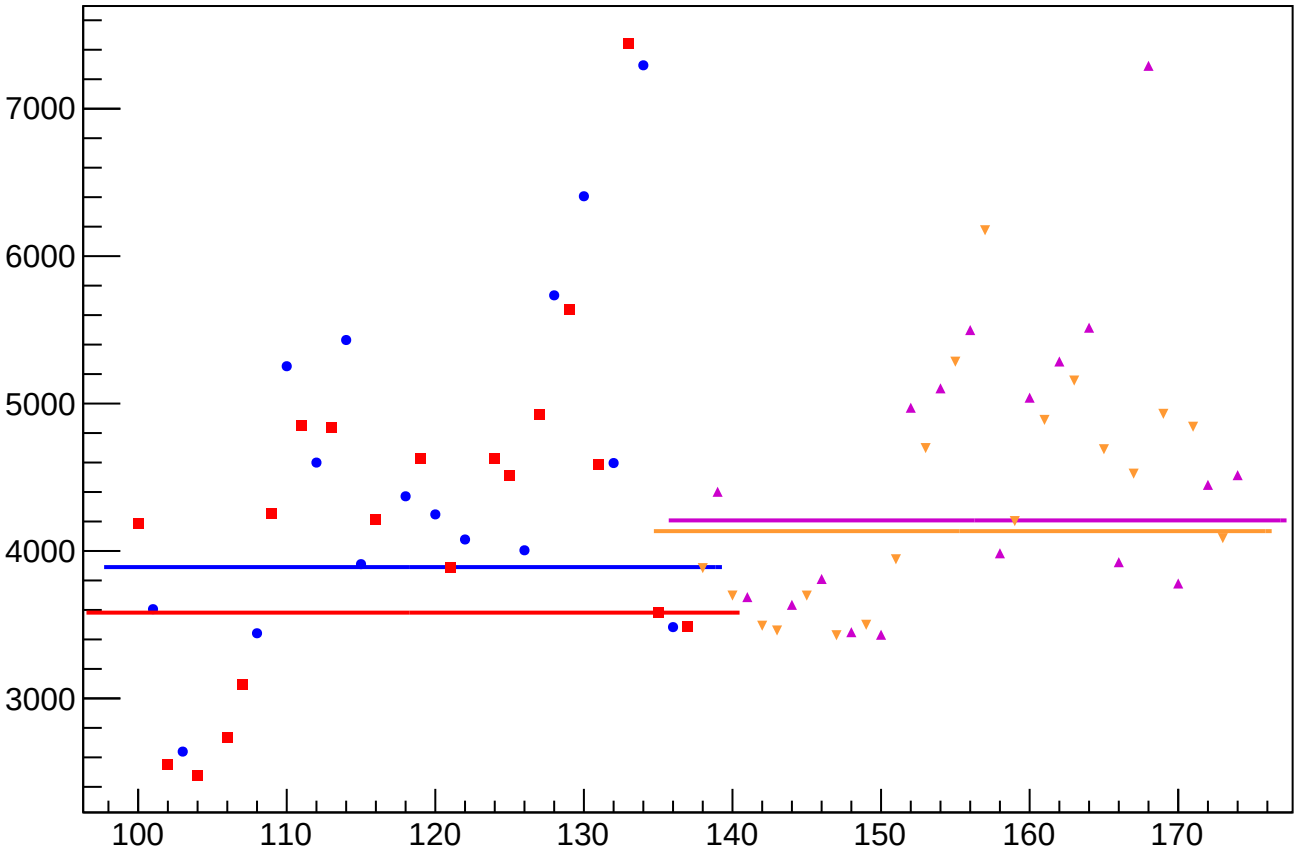
Left: -772.977+/-778.171 χ^2/NDF: 32.6/36

Right: 763.326+/-1011.192 χ^2/NDF: 28.6/34

In: 317.546+/-893.286 χ^2/NDF:27.8/33

Out: -674.266+/-852.437 χ^2/NDF:34.1/37

All: -201.555+/-616.700 χ^2/NDF: 62.6/71



Right In: 3890.708+/-1.059 χ^2/NDF: 878418.2/15

Left Out: 4134.654+/-0.770 χ^2/NDF:758373.1/18

Right Out: 3581.780+/-0.969 χ^2/NDF: 1221855.2/18

Left In: 4207.401+/-0.787 χ^2/NDF:989999.7/17

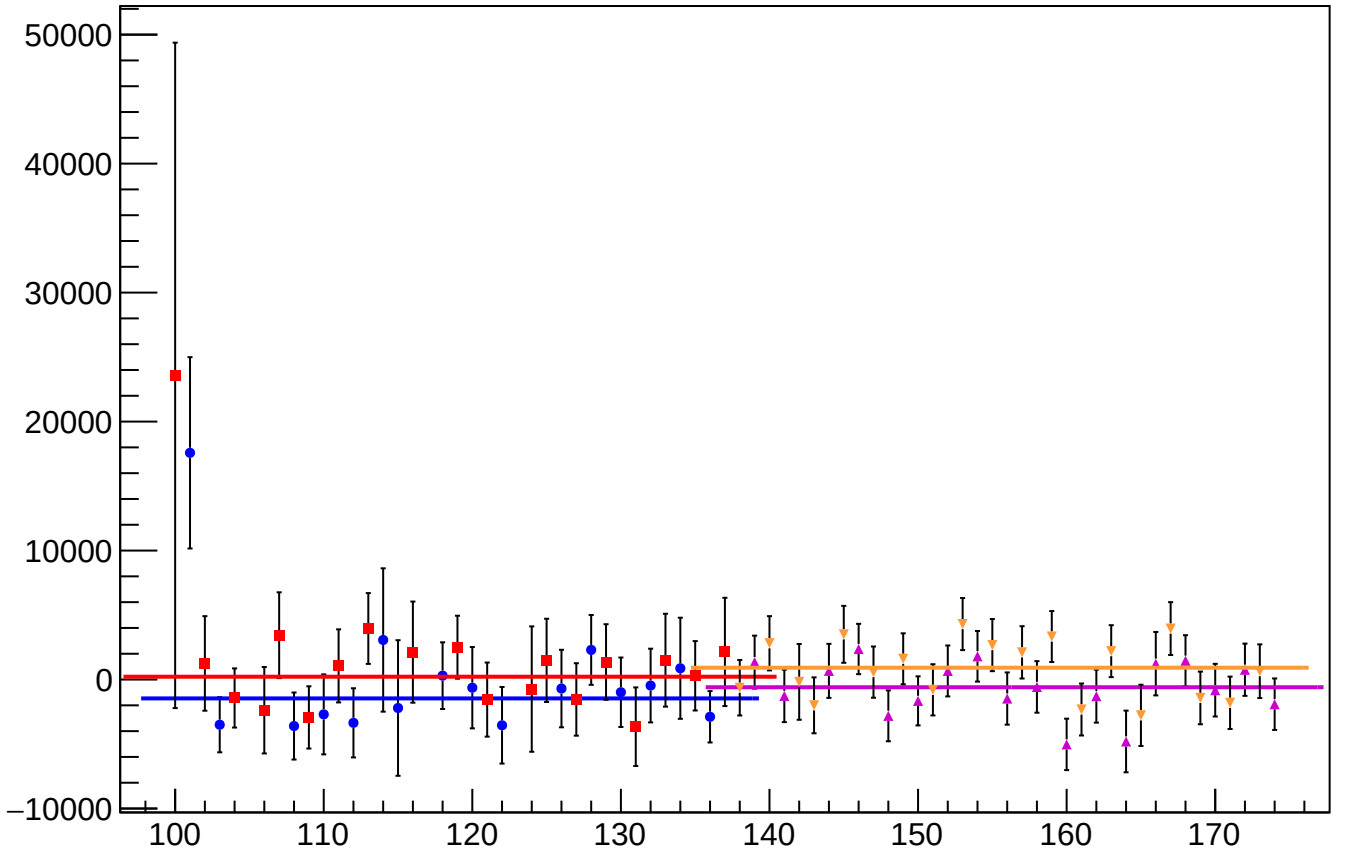
Left: 4170.220+/-0.550 χ^2/NDF: 1752740.3/36

Right: 3722.609+/-0.715 χ^2/NDF: 2146577.5/34

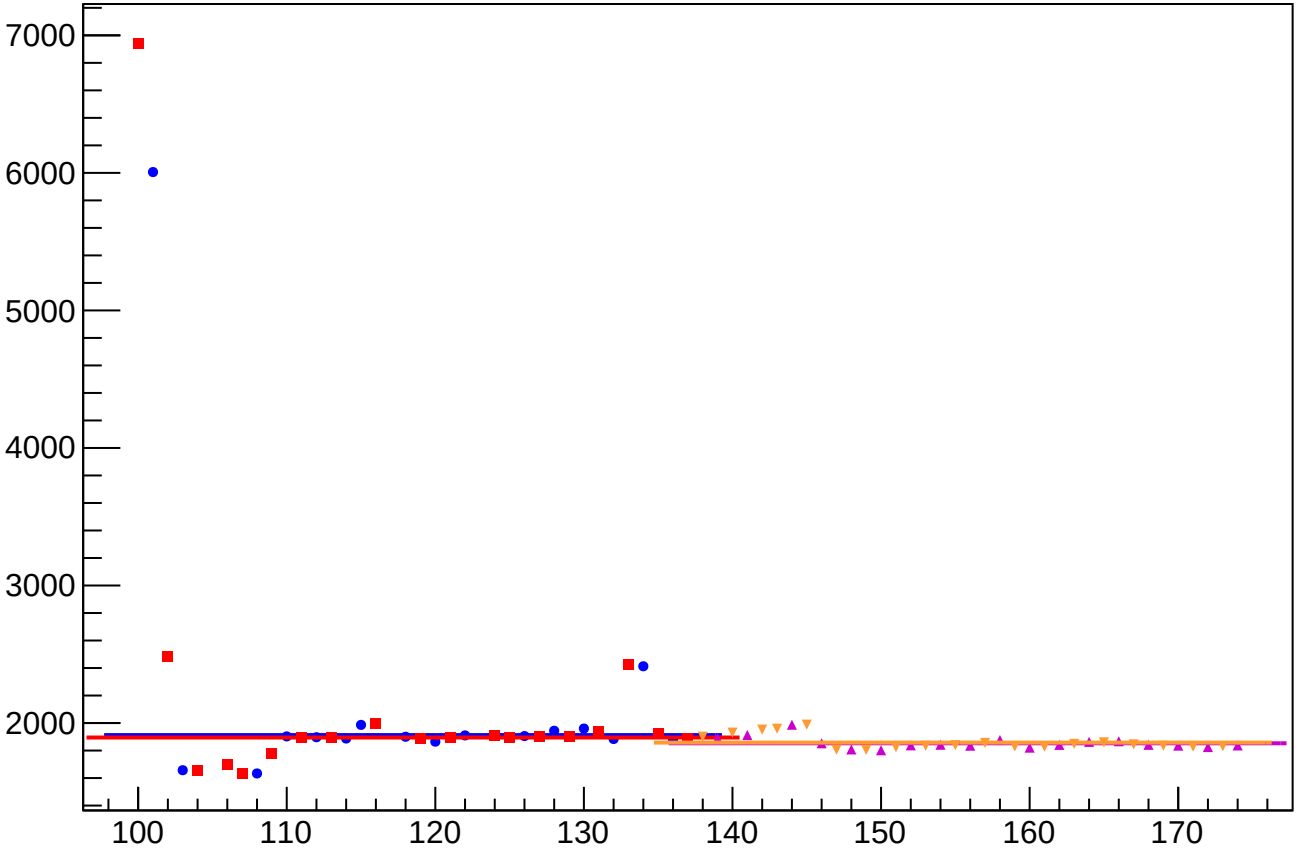
In: 4094.737+/-0.632 χ^2/NDF:1926031.9/33

Out: 3920.862+/-0.603 χ^2/NDF:2179755.2/37

All: 4003.733+/-0.436 χ^2/NDF: 4145446.1/71


eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1462.646+/-728.274 χ²/NDF: 13.6/15
Left Out: 917.629+/-479.345 χ²/NDF:21.7/18
Right Out: 219.720+/-708.852 χ²/NDF: 10.8/18
Left In: -595.695+/-480.398 χ²/NDF:18.0/17
Left: 162.626+/-339.320 χ²/NDF: 44.7/36
Right: -598.730+/-507.962 χ²/NDF: 27.1/34
In: -858.551+/-401.011 χ²/NDF:32.6/33
Out: 698.631+/-397.078 χ²/NDF:33.2/37
All: -72.287+/-282.157 χ²/NDF: 73.3/71

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1912.378+/-0.515 χ^2/NDF: 696220.1/15

Left Out: 1857.903+/-0.339 χ^2/NDF:22273.8/18

Right Out: 1894.765+/-0.501 χ^2/NDF: 219781.5/18

Left In: 1852.781+/-0.340 χ^2/NDF:15057.9/17

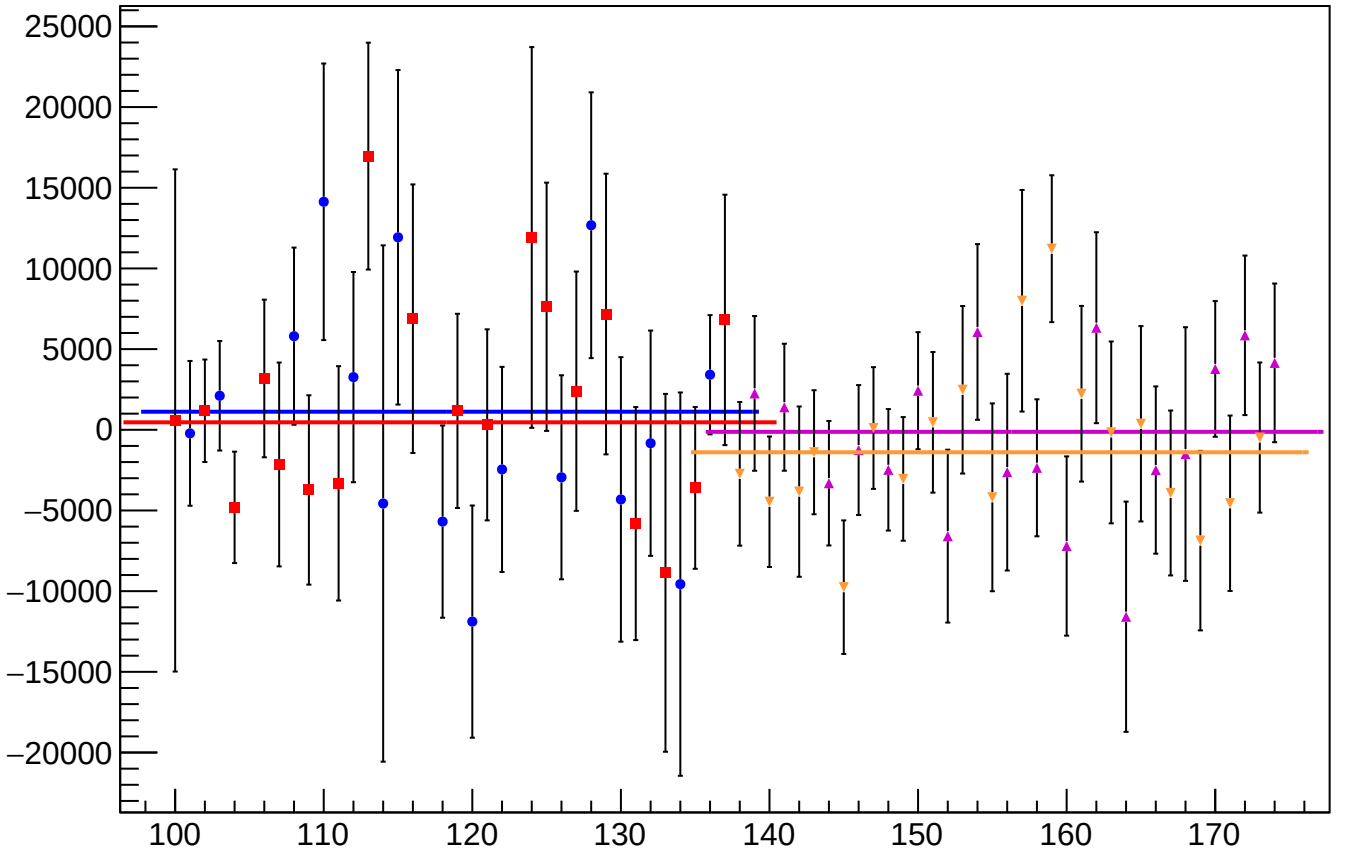
Left: 1855.348+/-0.240 χ^2/NDF: 37445.7/36

Right: 1903.324+/-0.359 χ^2/NDF: 916602.9/34

In: 1870.851+/-0.284 χ^2/NDF:720610.6/33

Out: 1869.487+/-0.281 χ^2/NDF:245772.1/37

All: 1870.162+/-0.199 χ^2/NDF: 966394.4/71



Right In: 1120.159+/-1497.669 χ^2/NDF: 13.5/15

Left Out: -1392.177+/-1088.488 χ^2/NDF:18.0/18

Right Out: 464.367+/-1370.817 χ^2/NDF: 15.0/18

Left In: -125.662+/-1112.922 χ^2/NDF:13.9/17

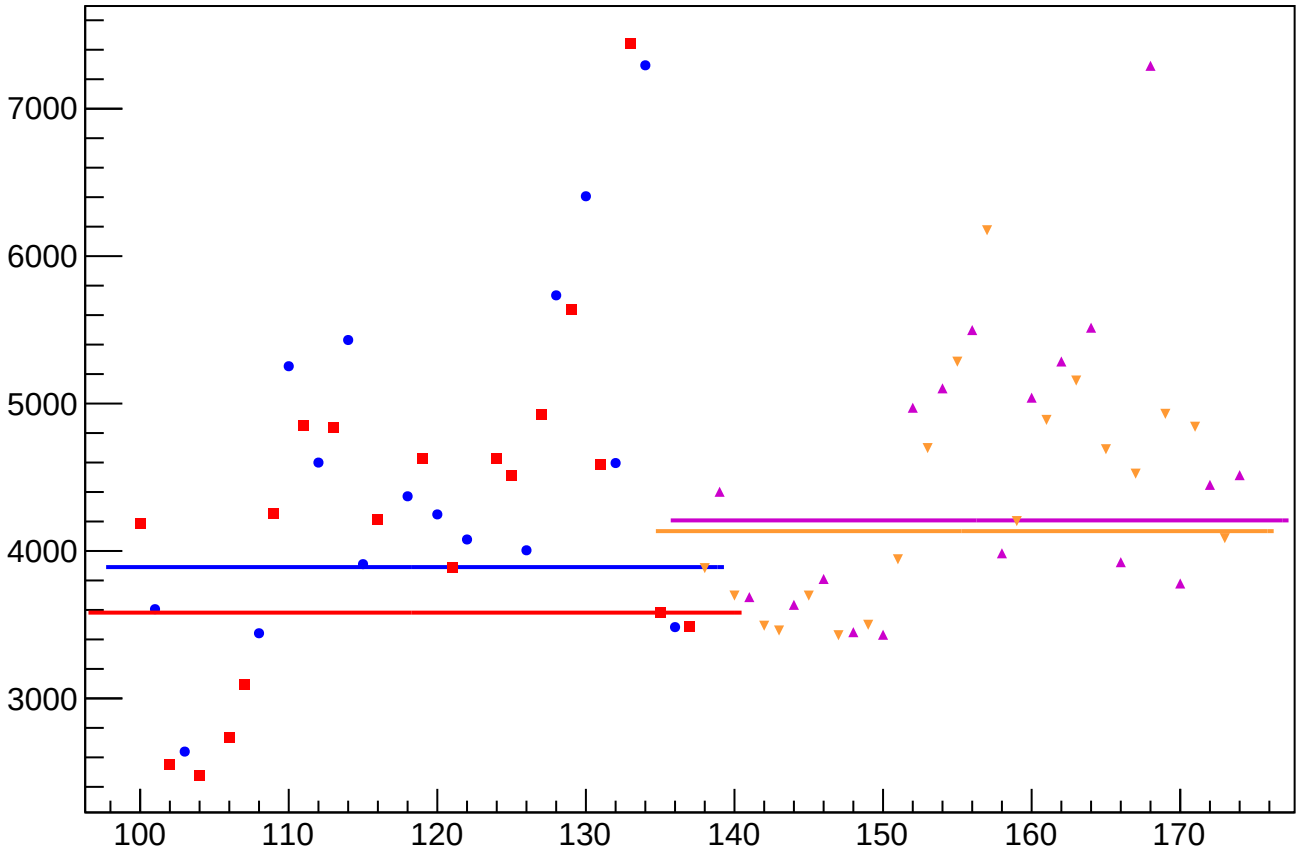
Left: -772.975+/-778.172 χ^2/NDF: 32.6/36

Right: 763.319+/-1011.191 χ^2/NDF: 28.6/34

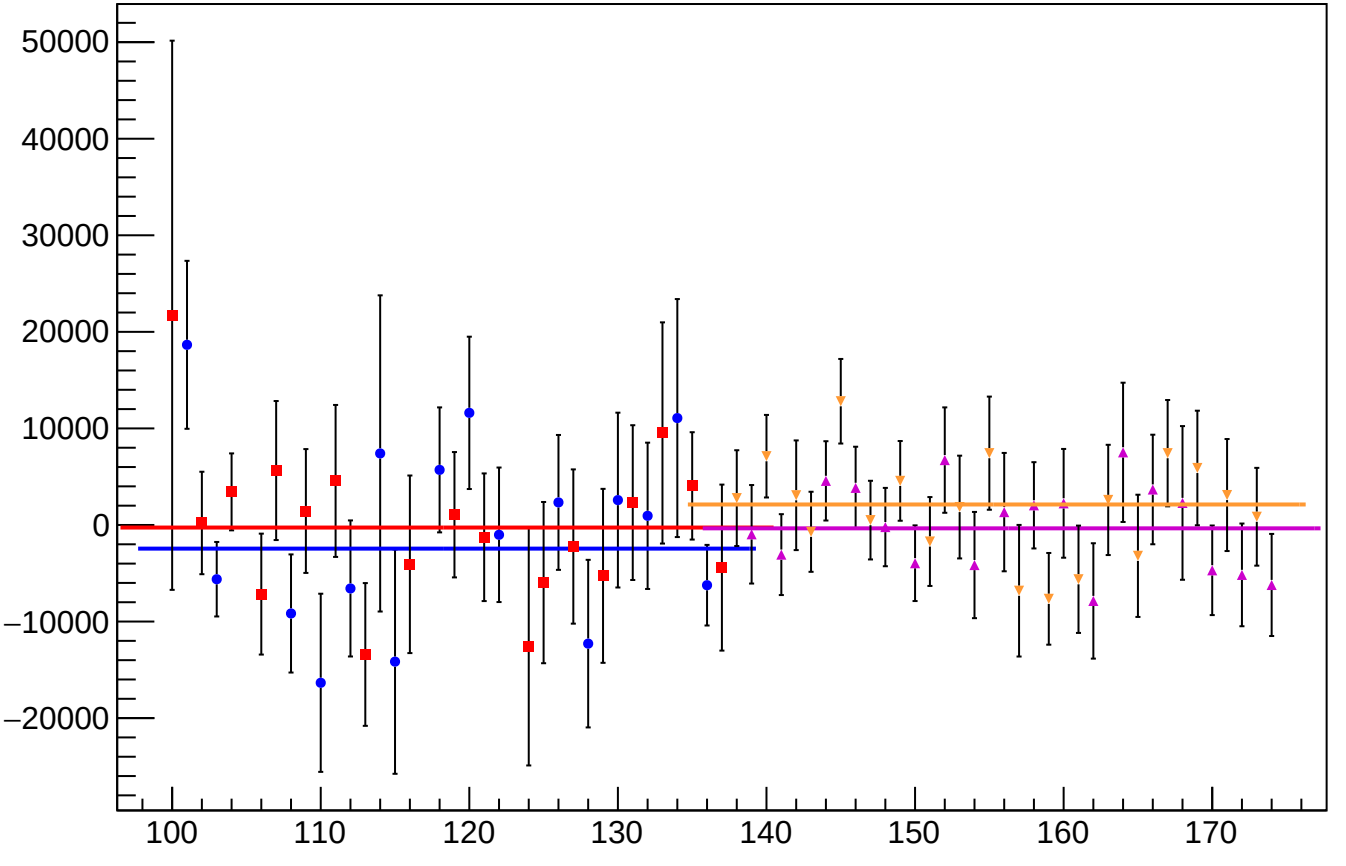
In: 317.544+/-893.286 χ^2/NDF:27.8/33

Out: -674.264+/-852.438 χ^2/NDF:34.1/37

All: -201.555+/-616.700 χ^2/NDF: 62.6/71


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: 4134.661+/-0.770 χ²/NDF:758373.4/18
Right Out: 3581.777+/-0.969 χ²/NDF: 1221846.6/18
Left In: 4207.407+/-0.787 χ²/NDF:990002.3/17
Left: 4170.227+/-0.550 χ²/NDF: 1752743.1/36
Right: 3722.606+/-0.715 χ²/NDF: 2146560.1/34
In: 4094.739+/-0.632 χ²/NDF:1926028.7/33
Out: 3920.864+/-0.603 χ²/NDF:2179753.8/37
All: 4003.736+/-0.436 χ²/NDF: 4145441.7/71

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2448.262+/-1719.694 χ^2/NDF: 20.9/15

Left Out: 2123.176+/-1153.668 χ^2/NDF:19.9/18

Right Out: -265.886+/-1622.574 χ^2/NDF: 10.7/18

Left In: -348.716+/-1176.519 χ^2/NDF:12.7/17

Left: 911.468+/-823.727 χ^2/NDF: 34.9/36

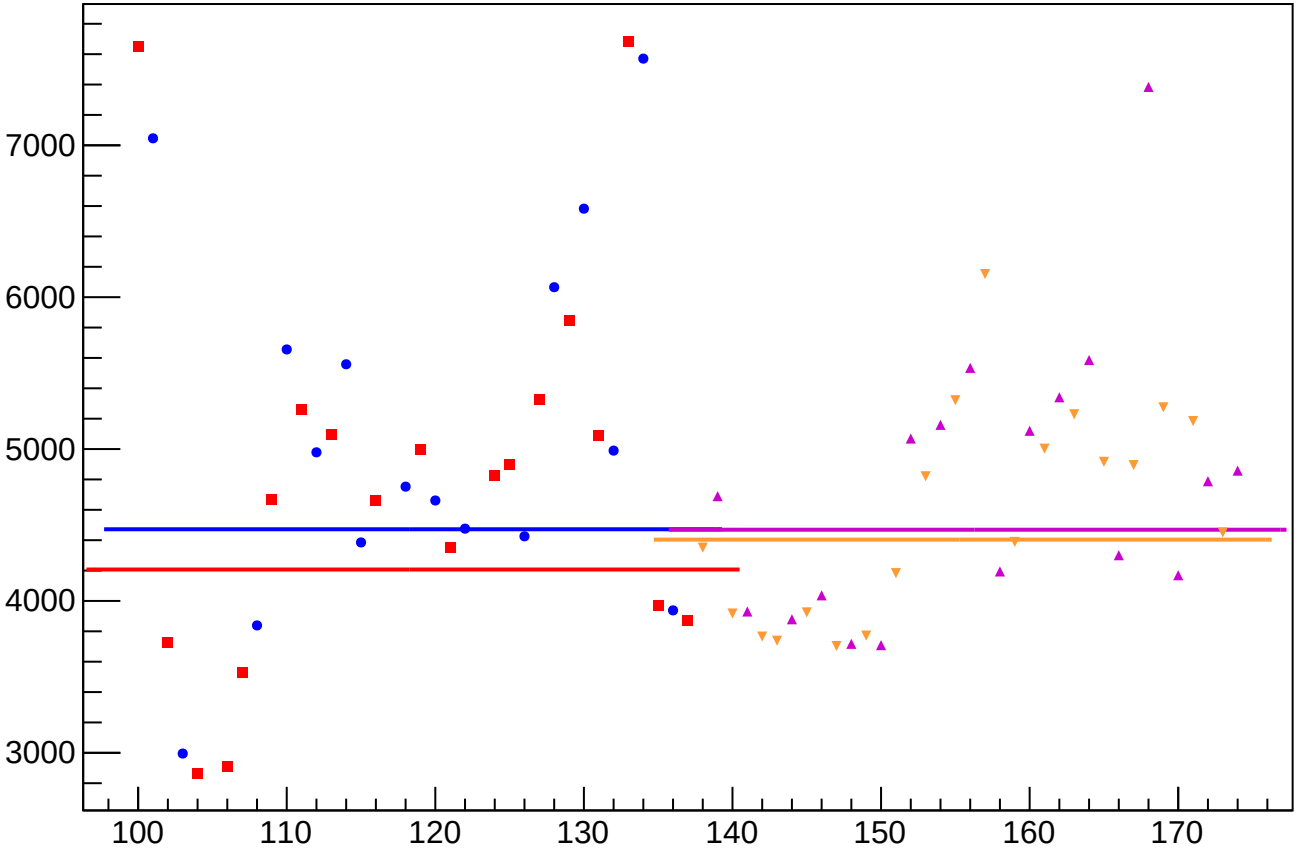
Right: -1293.712+/-1180.174 χ^2/NDF: 32.4/34

In: -1018.106+/-971.019 χ^2/NDF:34.6/33

Out: 1320.965+/-940.232 χ^2/NDF:32.0/37

All: 189.098+/-675.467 χ^2/NDF: 69.6/71

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4471.904+/-1.216 χ^2/NDF: 891678.4/15

Left Out: 4403.648+/-0.816 χ^2/NDF:604134.2/18

Right Out: 4206.907+/-1.138 χ^2/NDF: 846525.2/18

Left In: 4468.941+/-0.832 χ^2/NDF:780209.8/17

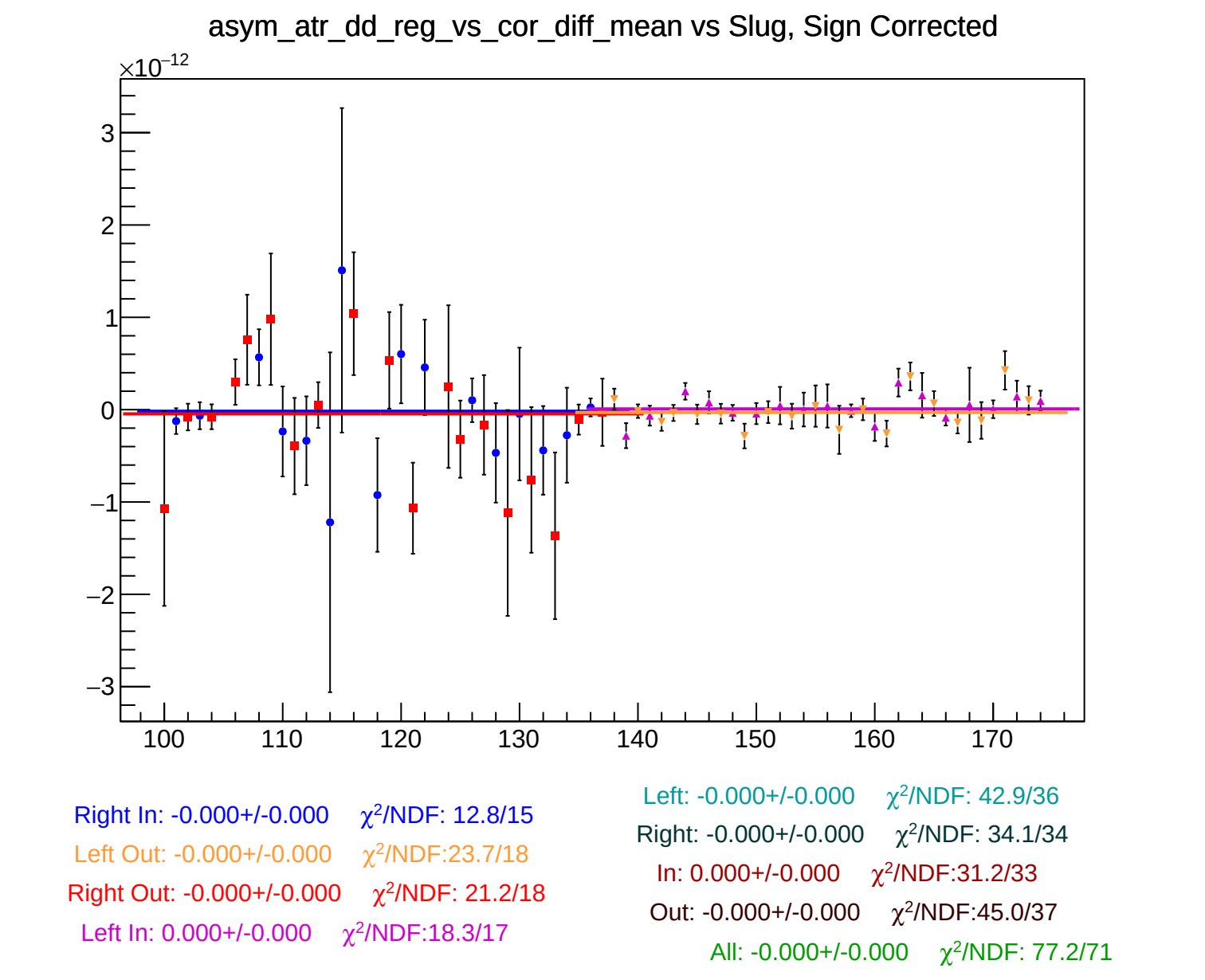
Left: 4435.654+/-0.582 χ^2/NDF: 1387484.3/36

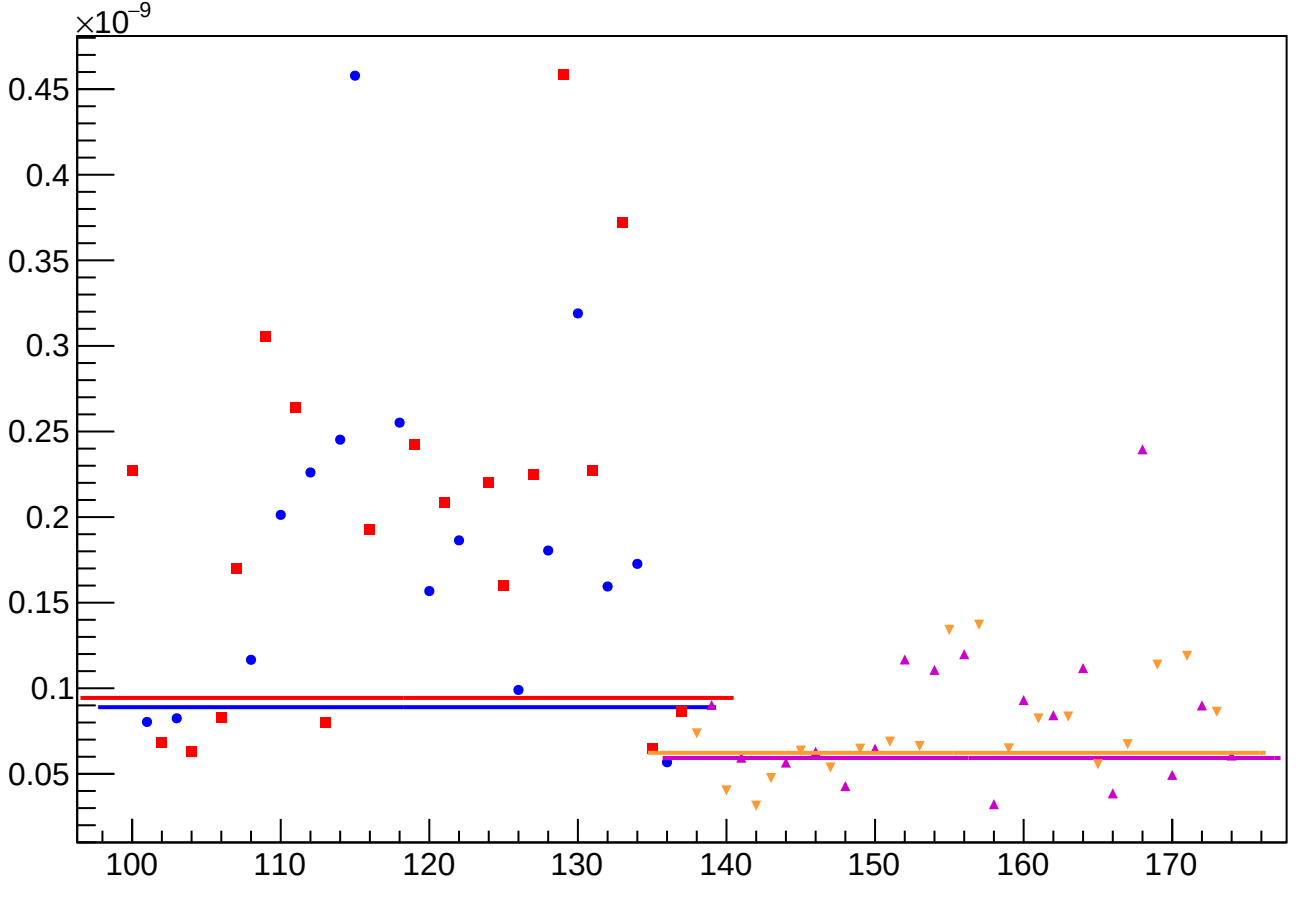
Right: 4330.631+/-0.831 χ^2/NDF: 1763521.7/34

In: 4469.886+/-0.687 χ^2/NDF:1671892.3/33

Out: 4336.865+/-0.663 χ^2/NDF:1470403.4/37

All: 4401.049+/-0.477 χ^2/NDF: 3161718.5/71


asym_atr_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.8/15
Left Out: -0.000+/-0.000 χ²/NDF:23.7/18
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/18
Left In: 0.000+/-0.000 χ²/NDF:18.3/17
Left: -0.000+/-0.000 χ²/NDF: 42.9/36
Right: -0.000+/-0.000 χ²/NDF: 34.1/34
In: 0.000+/-0.000 χ²/NDF:31.2/33
Out: -0.000+/-0.000 χ²/NDF:45.0/37
All: -0.000+/-0.000 χ²/NDF: 77.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 1230222.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1276274.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1695078.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1791651.3/17

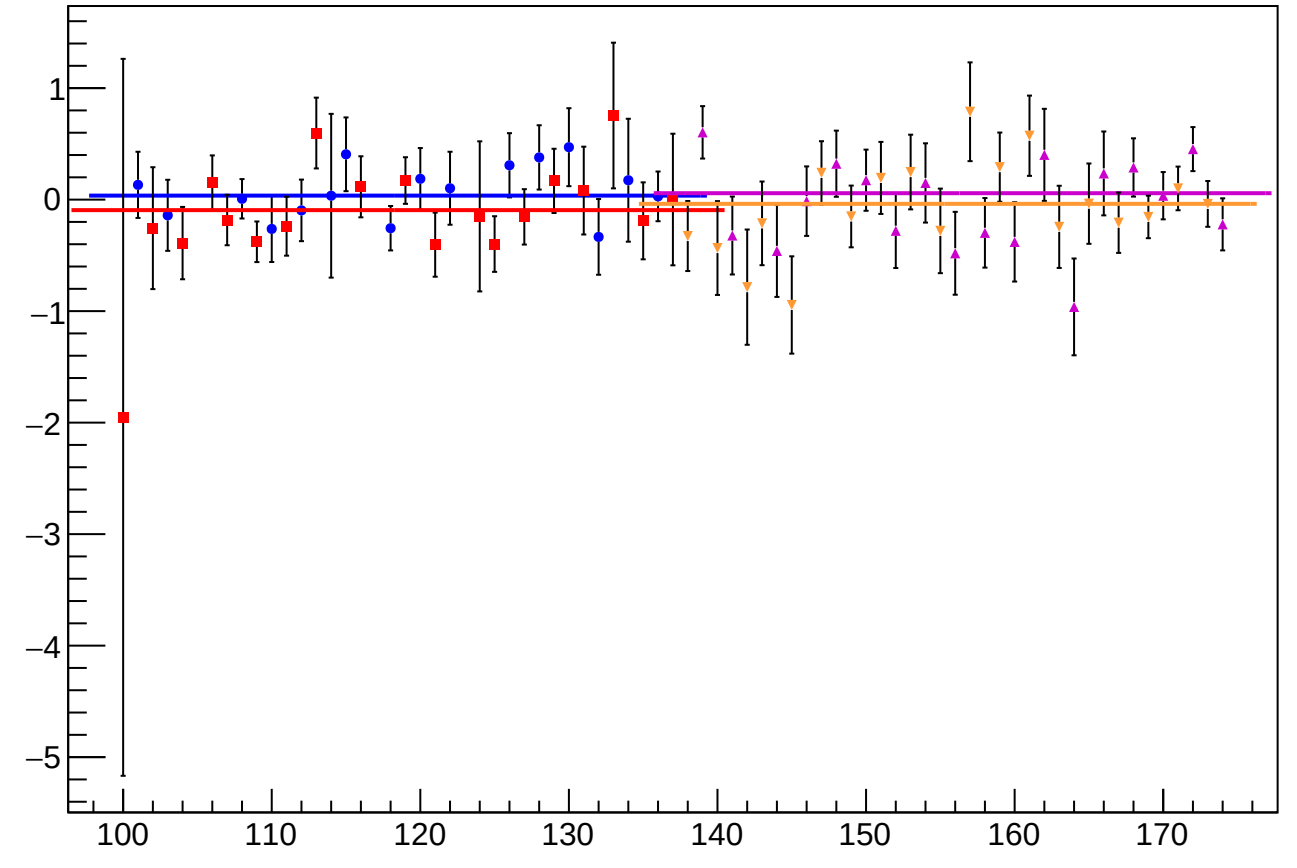
Left: 0.000+/-0.000 χ^2/NDF: 3079609.3/36

Right: 0.000+/-0.000 χ^2/NDF: 2932262.7/34

In: 0.000+/-0.000 χ^2/NDF:3408970.0/33

Out: 0.000+/-0.000 χ^2/NDF:3351350.1/37

All: 0.000+/-0.000 χ^2/NDF: 6770490.3/71



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

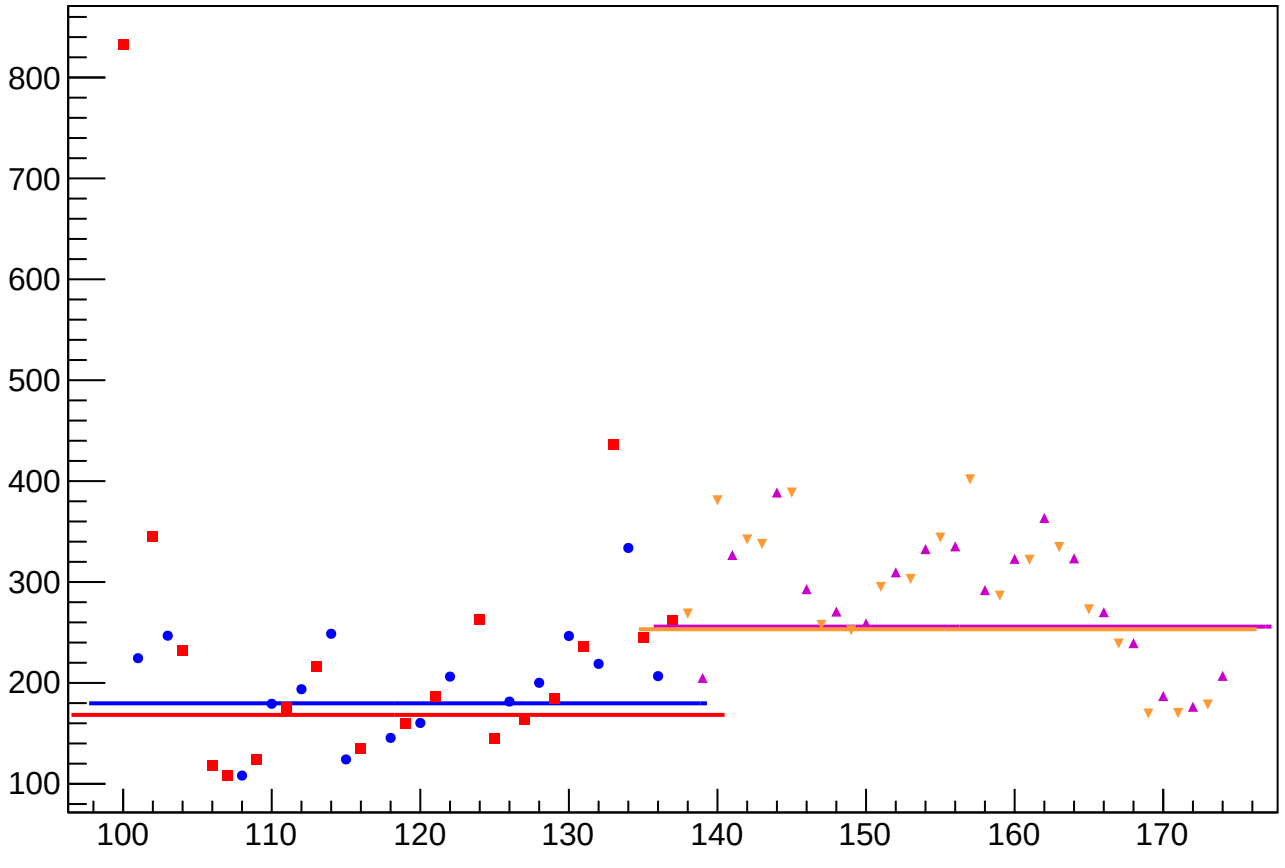
Left: 0.009+/-0.049 χ^2/NDF: 49.0/36

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.011+/-0.035 χ^2/NDF: 79.3/71



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 253.196+/-0.049 χ^2/NDF:2174562.1/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

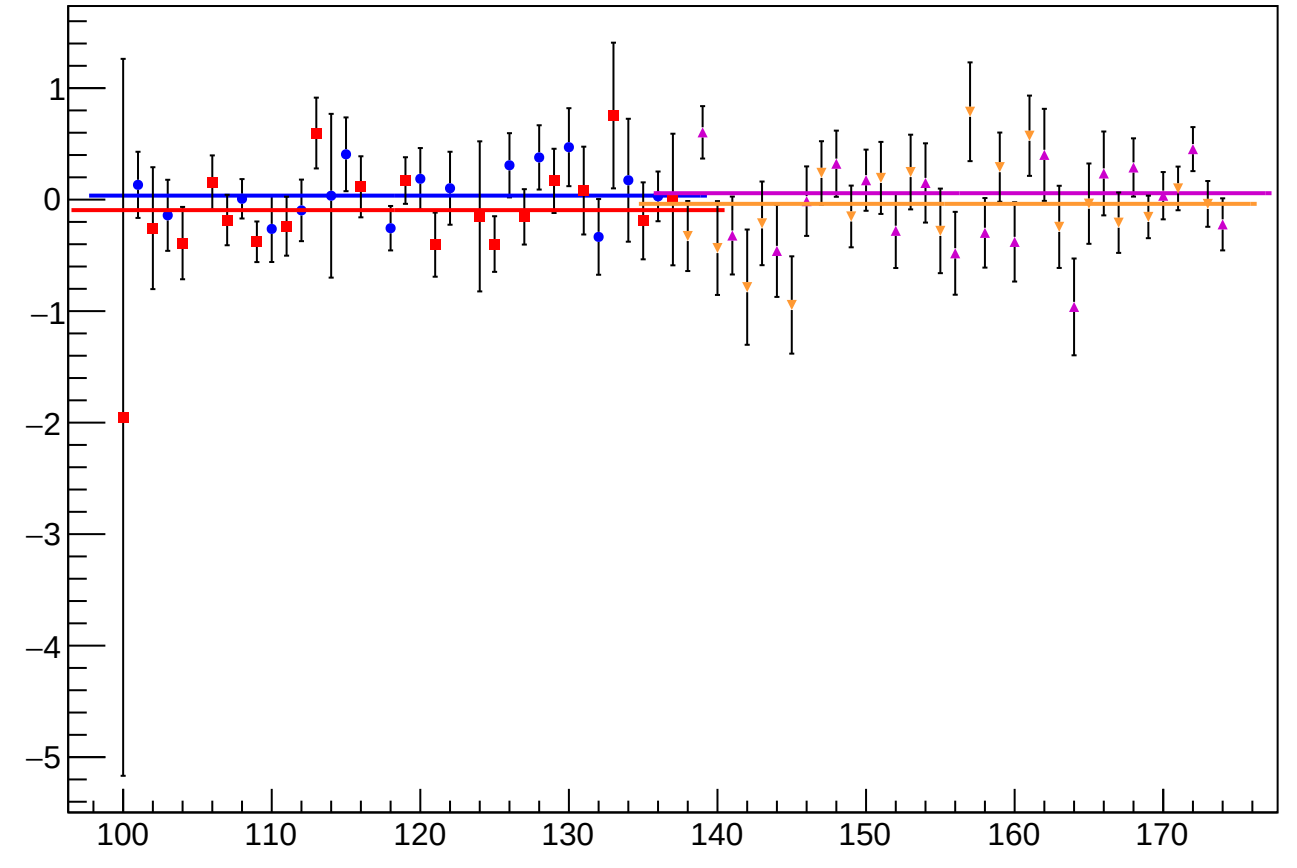
Left: 254.493+/-0.034 χ^2/NDF: 3745578.5/36

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.529+/-0.035 χ^2/NDF:3670247.4/33

Out: 210.118+/-0.034 χ^2/NDF:5134199.4/37

All: 214.217+/-0.024 χ^2/NDF: 8834136.7/71



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

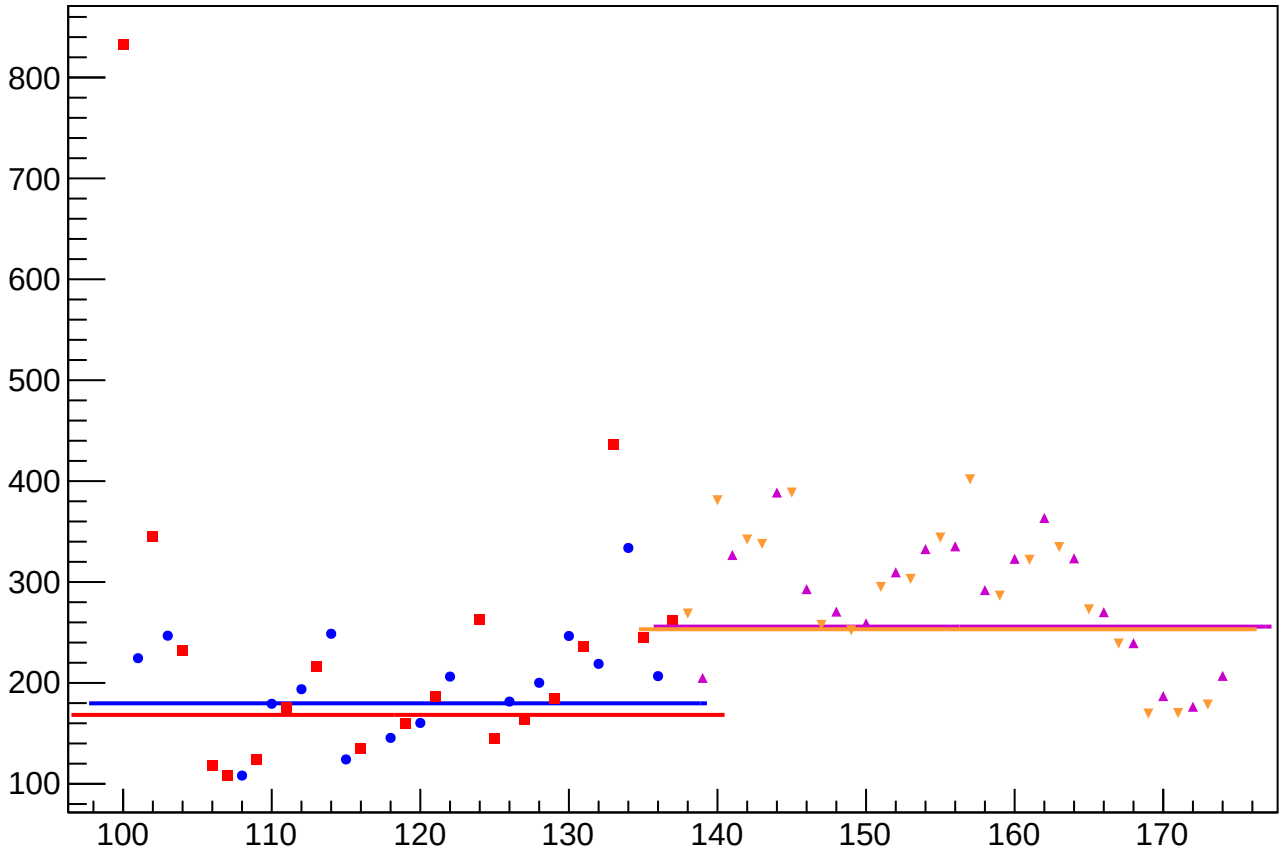
Left: 0.009+/-0.049 χ^2/NDF: 49.0/36

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.011+/-0.035 χ^2/NDF: 79.3/71



Right In: 179.796+/-0.050 χ^2/NDF: 918536.0/15

Left Out: 253.196+/-0.049 χ^2/NDF:2174562.1/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409290.2/18

Left In: 255.812+/-0.049 χ^2/NDF:1569577.2/17

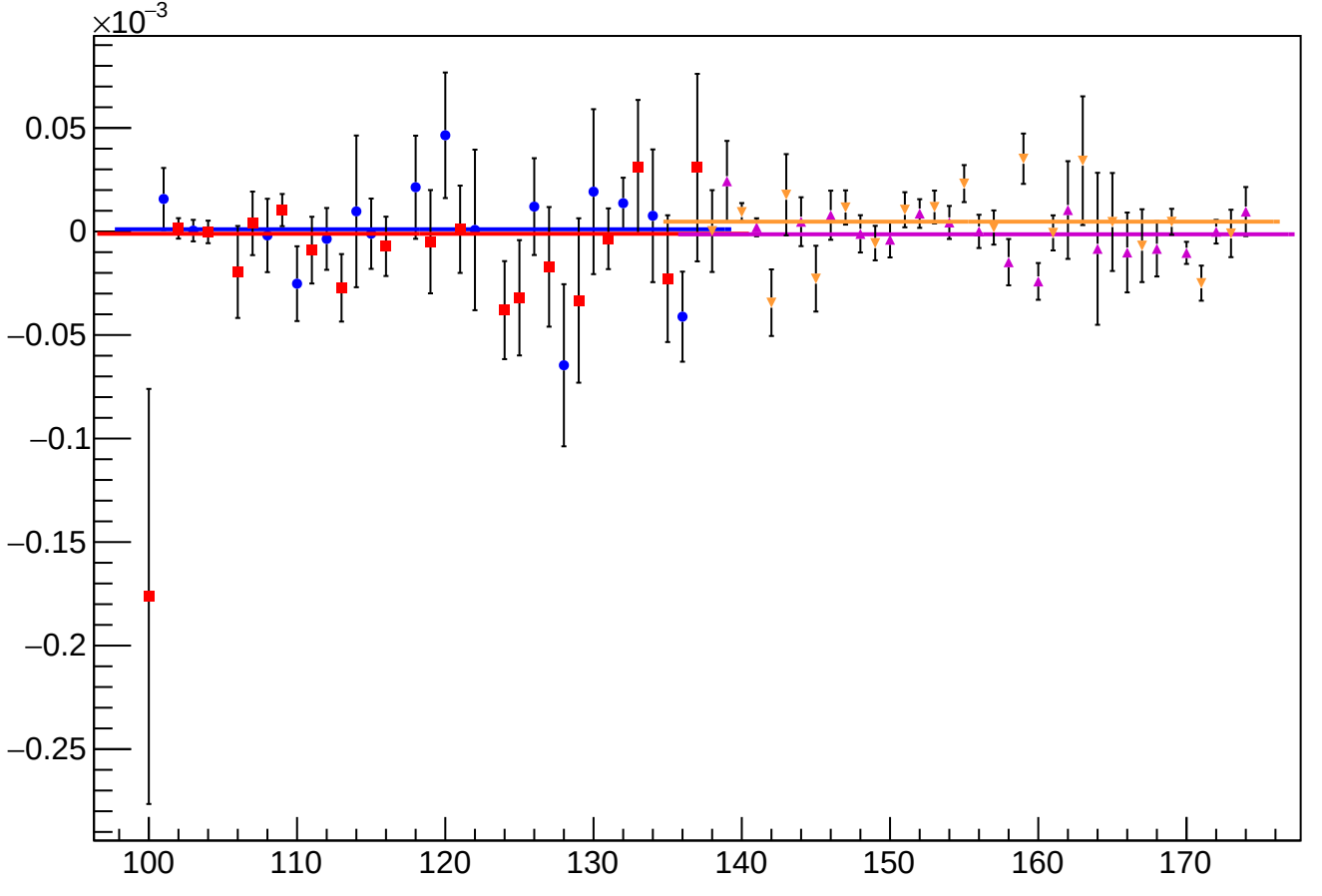
Left: 254.493+/-0.034 χ^2/NDF: 3745578.5/36

Right: 173.821+/-0.035 χ^2/NDF: 2355323.0/34

In: 218.529+/-0.035 χ^2/NDF:3670247.4/33

Out: 210.118+/-0.034 χ^2/NDF:5134199.4/37

All: 214.217+/-0.024 χ^2/NDF: 8834136.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:18.5/17

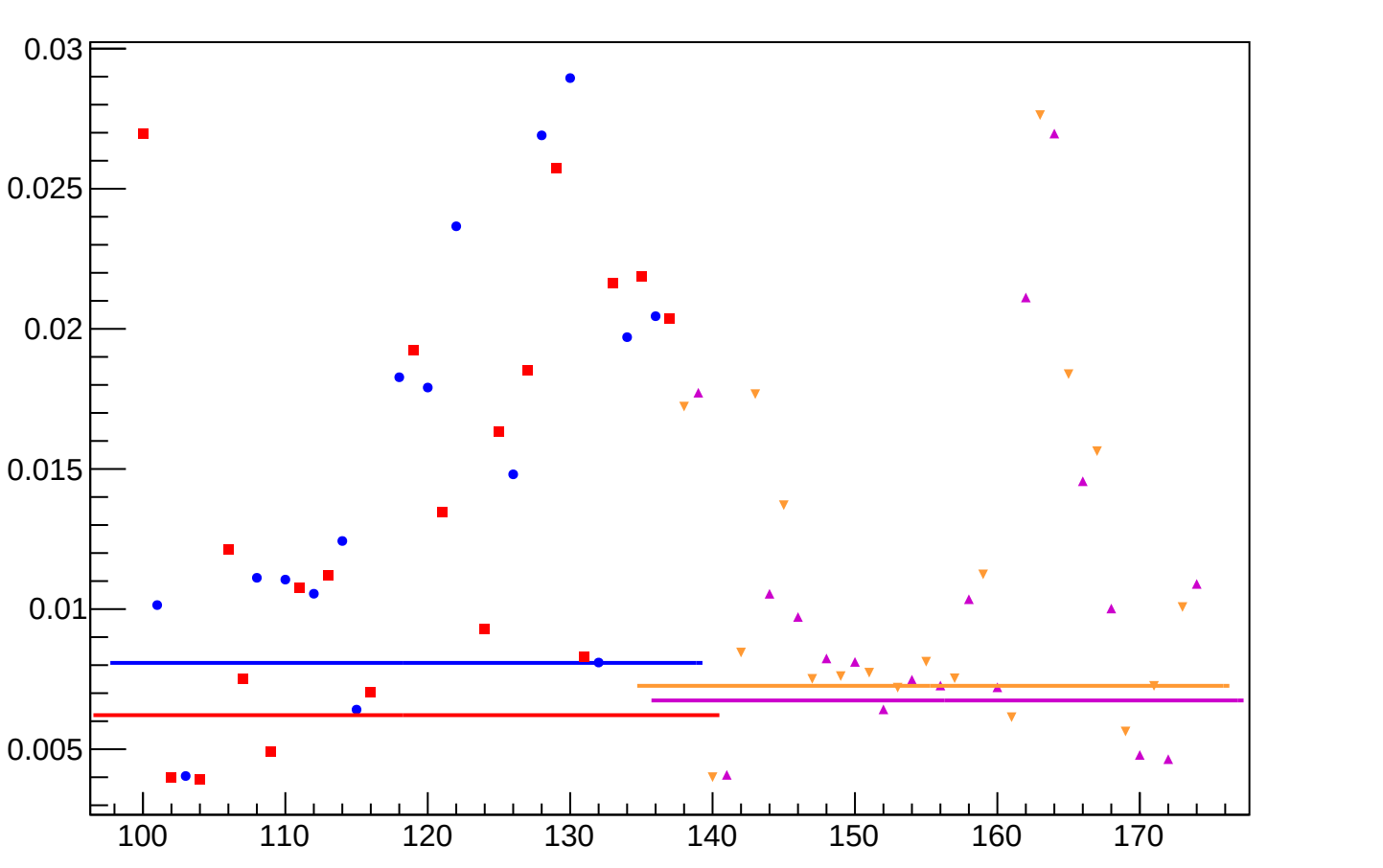
Left: 0.000+/-0.000 χ^2/NDF: 61.8/36

Right: -0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:33.1/33

Out: 0.000+/-0.000 χ^2/NDF:57.7/37

All: 0.000+/-0.000 χ^2/NDF: 92.7/71



Right In: 0.008+/-0.000 χ^2/NDF: 4413462.8/15

Left Out: 0.007+/-0.000 χ^2/NDF:4815794.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 4560988.3/18

Left In: 0.007+/-0.000 χ^2/NDF:4646855.1/17

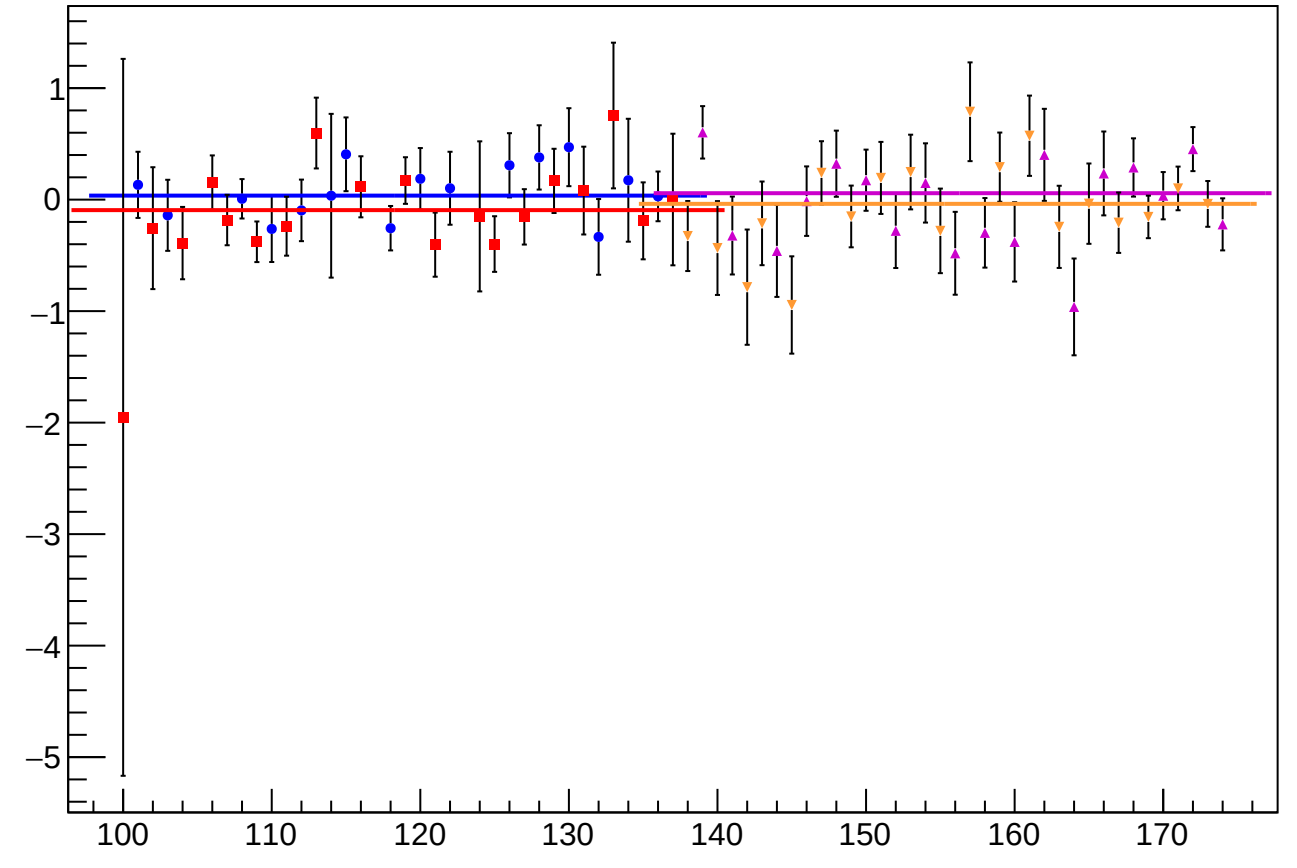
Left: 0.007+/-0.000 χ^2/NDF: 9527530.1/36

Right: 0.007+/-0.000 χ^2/NDF: 9295058.4/34

In: 0.007+/-0.000 χ^2/NDF:9262849.8/33

Out: 0.007+/-0.000 χ^2/NDF:9554082.5/37

All: 0.007+/-0.000 χ^2/NDF: 18824862.0/71



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

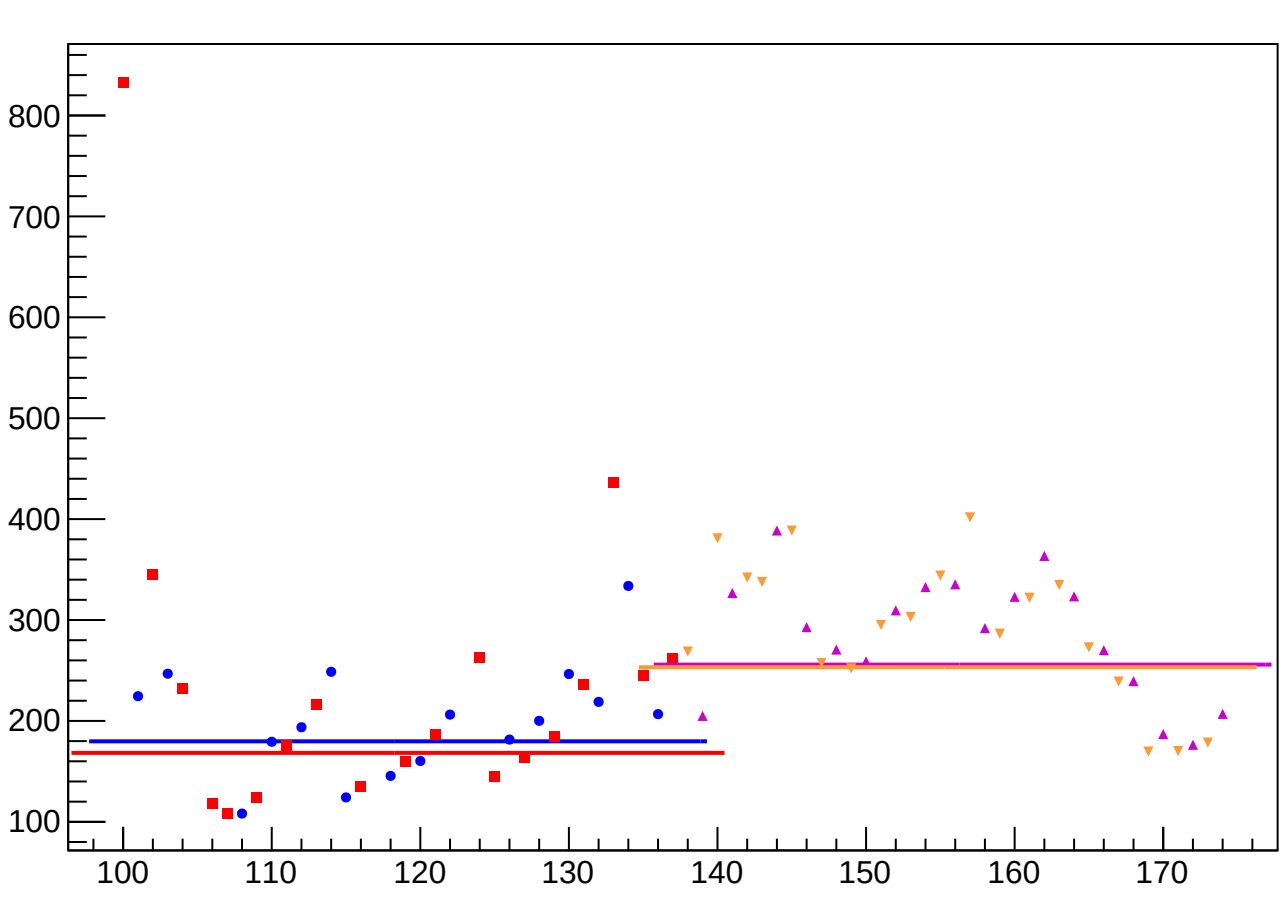
Left: 0.009+/-0.049 χ^2/NDF: 49.0/36

Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.011+/-0.035 χ^2/NDF: 79.3/71



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 253.198+/-0.049 χ^2/NDF:2174691.3/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.815+/-0.049 χ^2/NDF:1569628.5/17

Left: 254.495+/-0.034 χ^2/NDF: 3745760.2/36

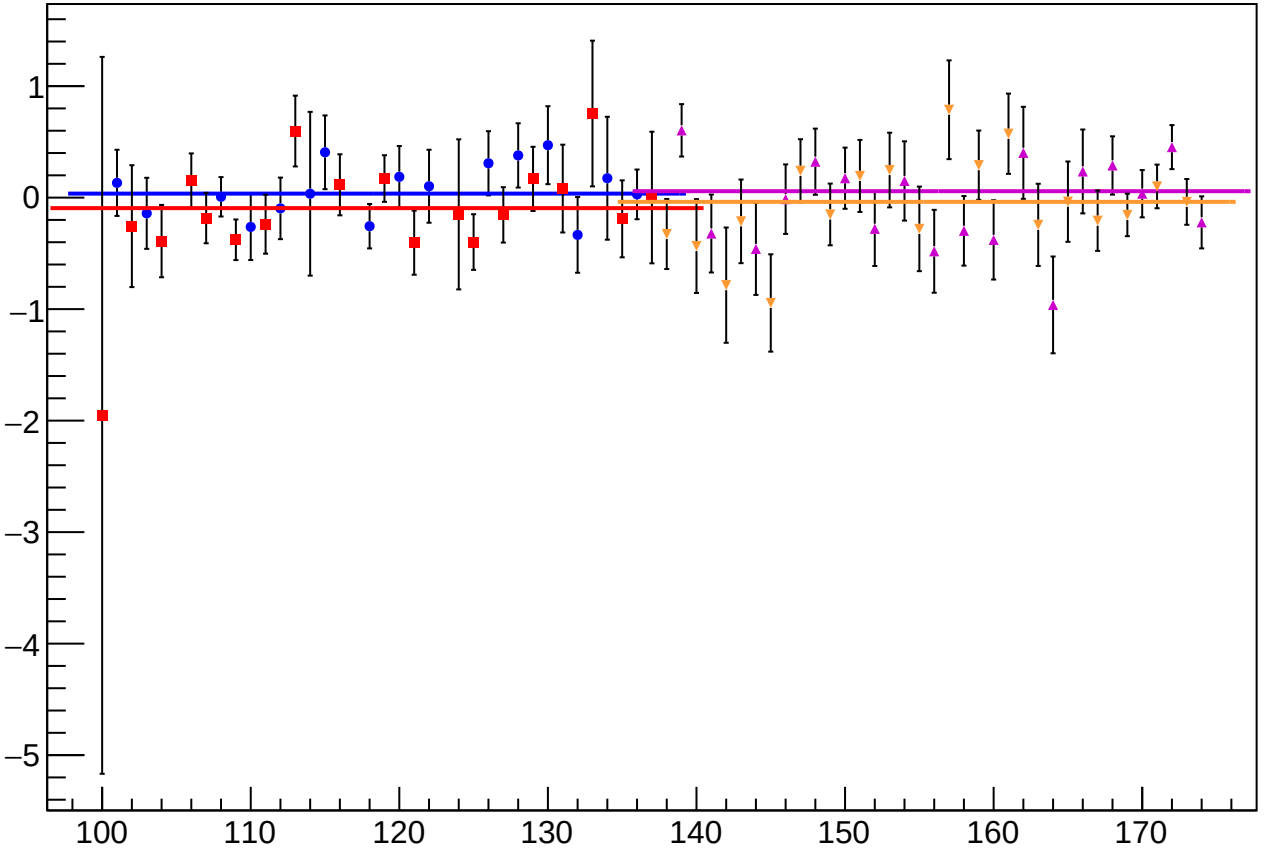
Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 218.528+/-0.035 χ^2/NDF:3670512.0/33

Out: 210.119+/-0.034 χ^2/NDF:5134377.8/37

All: 214.217+/-0.024 χ^2/NDF: 8834572.1/71

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.036+/-0.071 χ^2/NDF: 10.5/15

Left Out: -0.038+/-0.069 χ^2/NDF:20.2/18

Right Out: -0.094+/-0.068 χ^2/NDF: 17.6/18

Left In: 0.058+/-0.069 χ^2/NDF:27.8/17

Left: 0.009+/-0.049 χ^2/NDF: 49.0/36

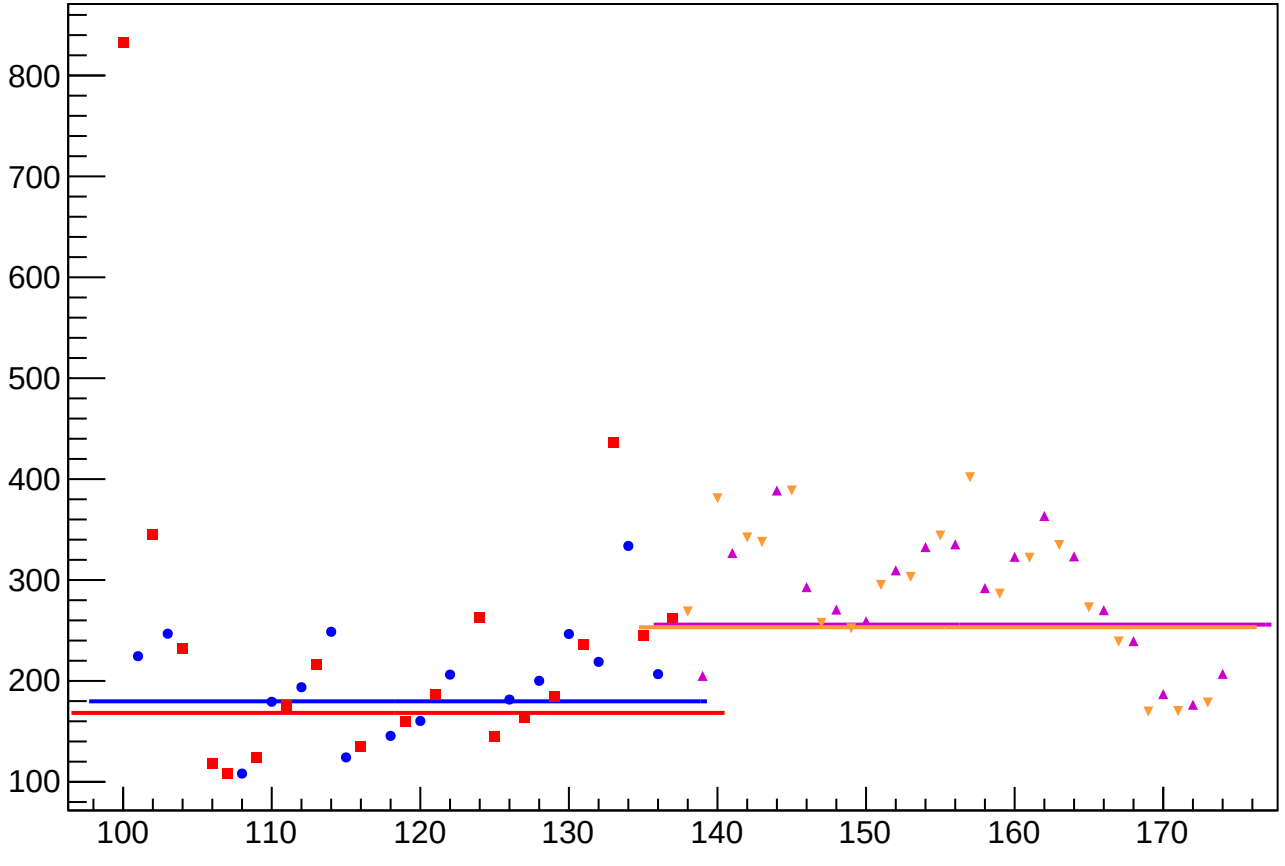
Right: -0.032+/-0.049 χ^2/NDF: 29.9/34

In: 0.047+/-0.049 χ^2/NDF:38.4/33

Out: -0.067+/-0.048 χ^2/NDF:38.2/37

All: -0.011+/-0.035 χ^2/NDF: 79.3/71

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 179.793+/-0.050 χ^2/NDF: 918583.7/15

Left Out: 253.198+/-0.049 χ^2/NDF:2174691.3/18

Right Out: 168.334+/-0.048 χ^2/NDF: 1409289.2/18

Left In: 255.815+/-0.049 χ^2/NDF:1569628.5/17

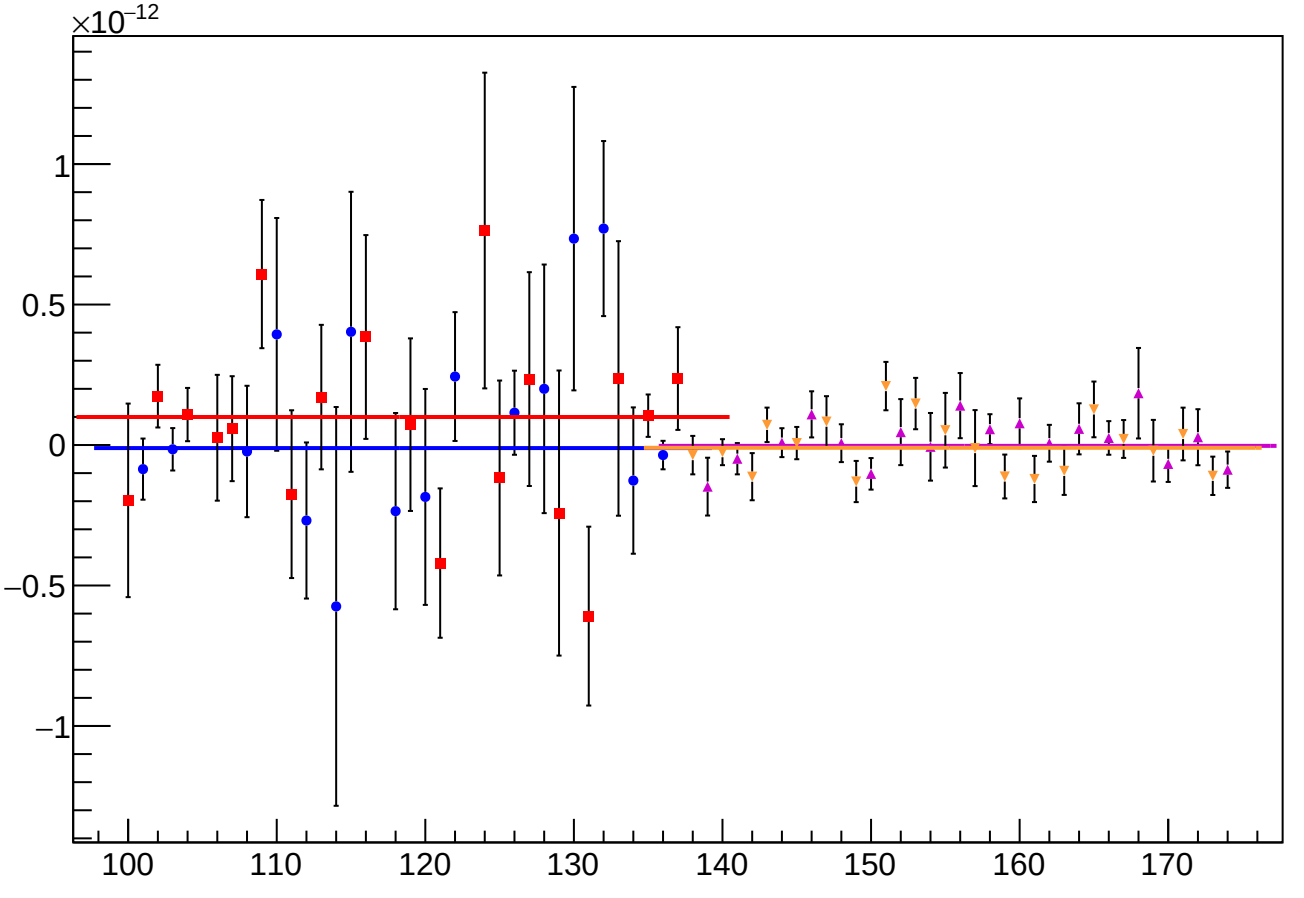
Left: 254.495+/-0.034 χ^2/NDF: 3745760.2/36

Right: 173.819+/-0.035 χ^2/NDF: 2355358.4/34

In: 218.528+/-0.035 χ^2/NDF:3670512.0/33

Out: 210.119+/-0.034 χ^2/NDF:5134377.8/37

All: 214.217+/-0.024 χ^2/NDF: 8834572.1/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.4/17

Left: -0.000+/-0.000 χ^2/NDF: 42.5/36

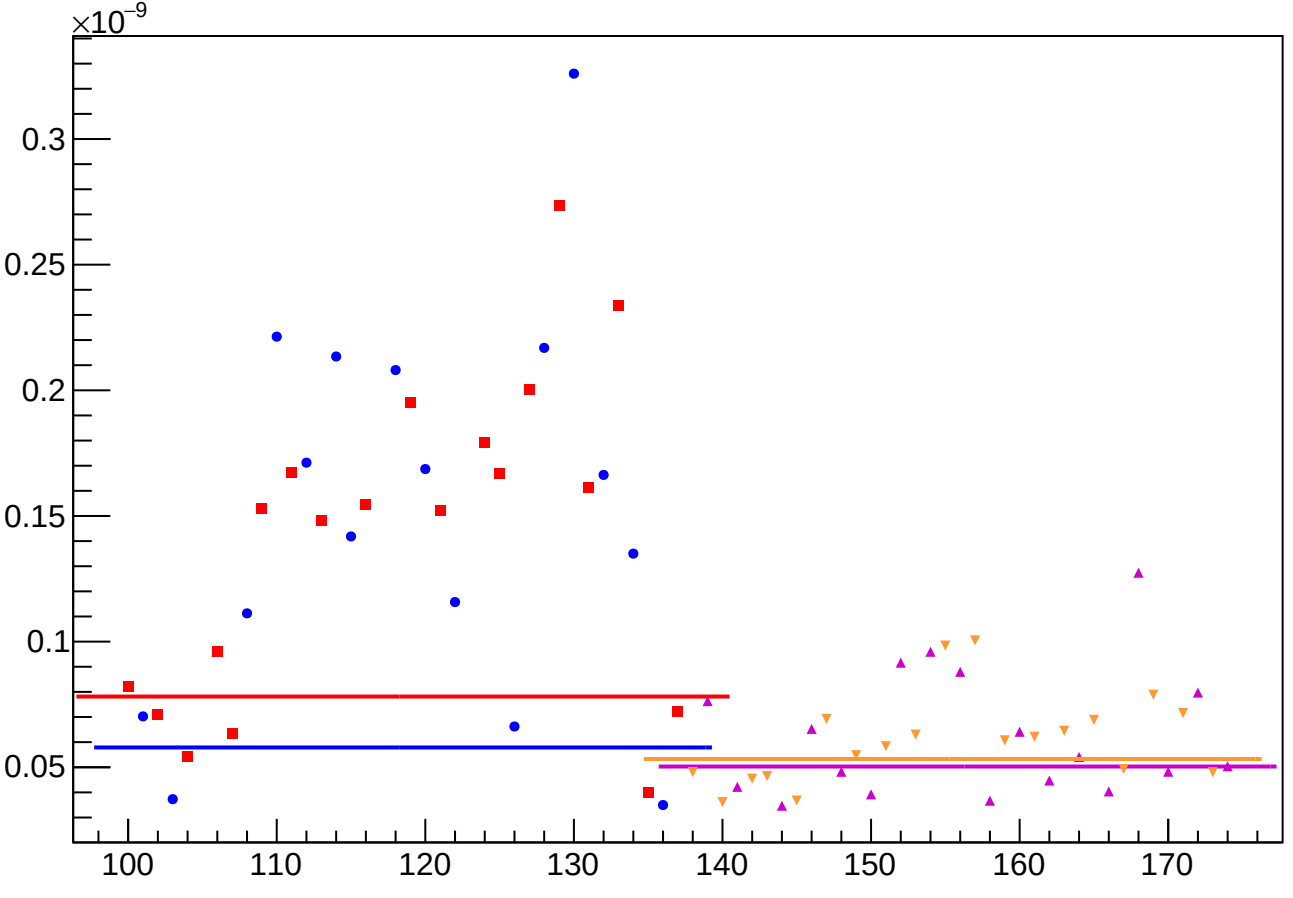
Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:31.4/33

Out: 0.000+/-0.000 χ^2/NDF:50.2/37

All: 0.000+/-0.000 χ^2/NDF: 81.9/71

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3322992.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1389408.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2732134.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2133309.7/17

Left: 0.000+/-0.000 χ^2/NDF: 3552597.5/36

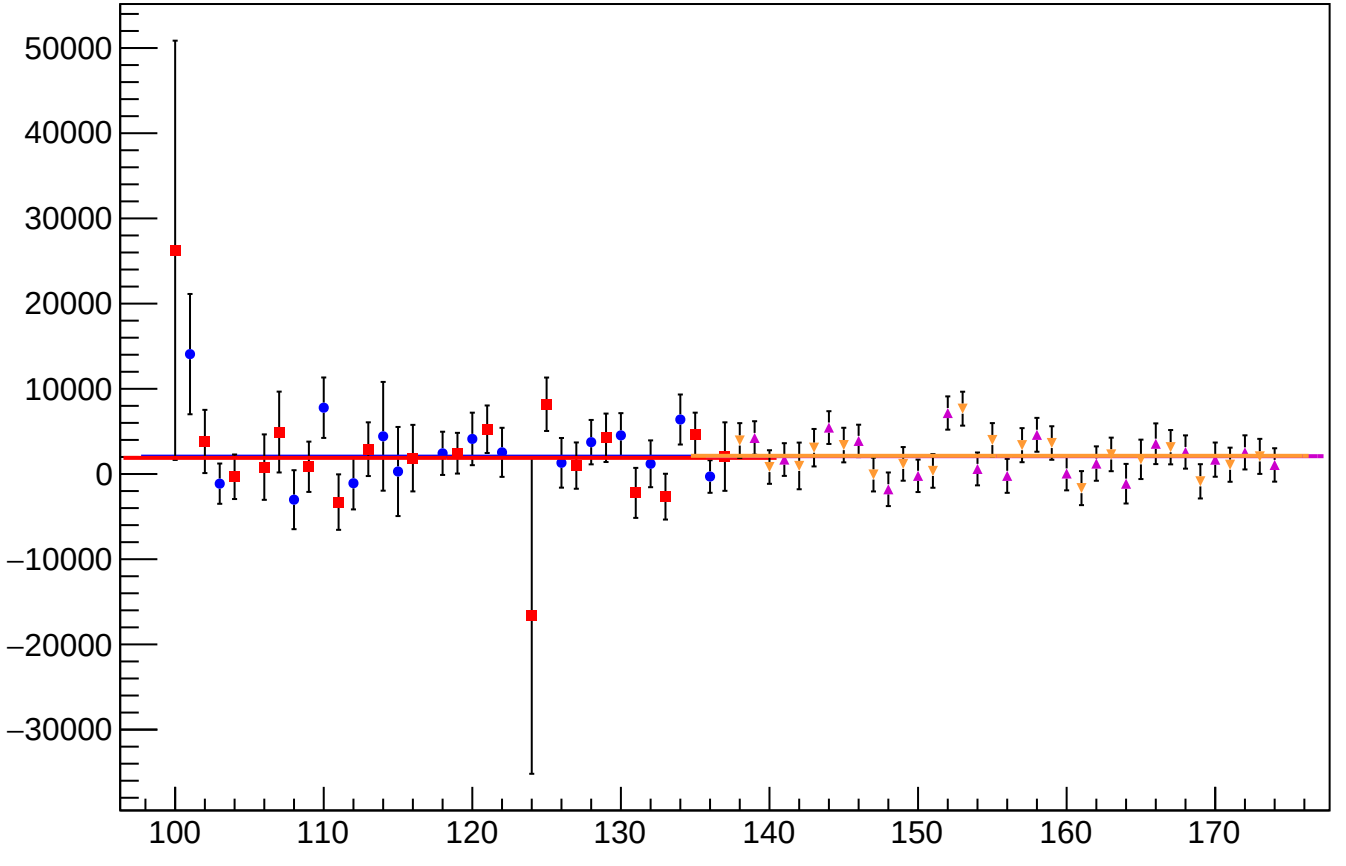
Right: 0.000+/-0.000 χ^2/NDF: 6327236.3/34

In: 0.000+/-0.000 χ^2/NDF:5531321.5/33

Out: 0.000+/-0.000 χ^2/NDF:4714967.9/37

All: 0.000+/-0.000 χ^2/NDF: 10355929.3/71

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2039.211+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2135.747+/-469.534 χ^2/NDF:20.2/18

Right Out: 1895.242+/-736.762 χ^2/NDF: 18.5/18

Left In: 2091.469+/-470.029 χ^2/NDF:24.7/17

Left: 2113.632+/-332.186 χ^2/NDF: 44.9/36

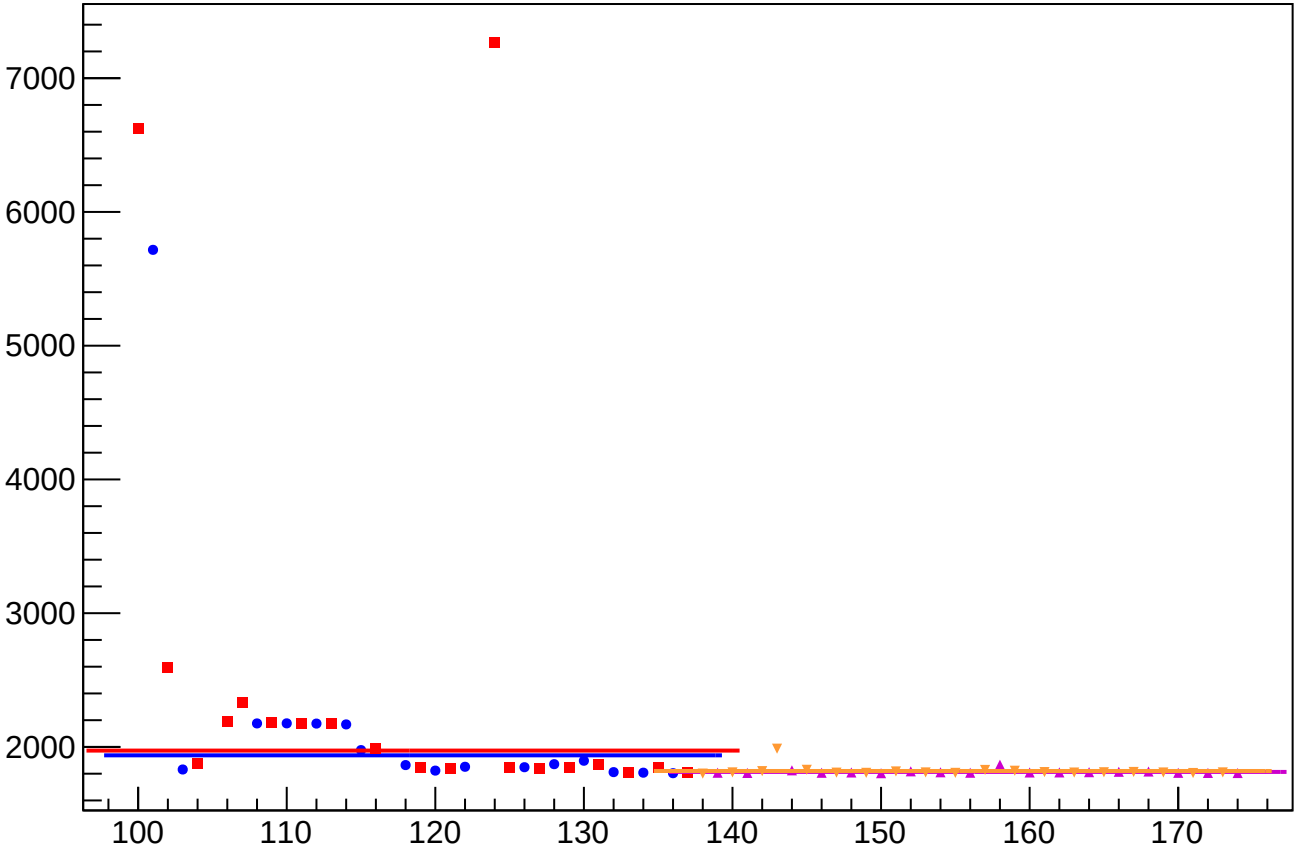
Right: 1967.281+/-520.774 χ^2/NDF: 35.0/34

In: 2076.336+/-396.172 χ^2/NDF:41.2/33

Out: 2066.281+/-395.961 χ^2/NDF:38.8/37

All: 2071.306+/-280.061 χ^2/NDF: 80.0/71

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.205+/-0.332 χ^2/NDF:12536.8/18

Right Out: 1972.760+/-0.521 χ^2/NDF: 377537.1/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

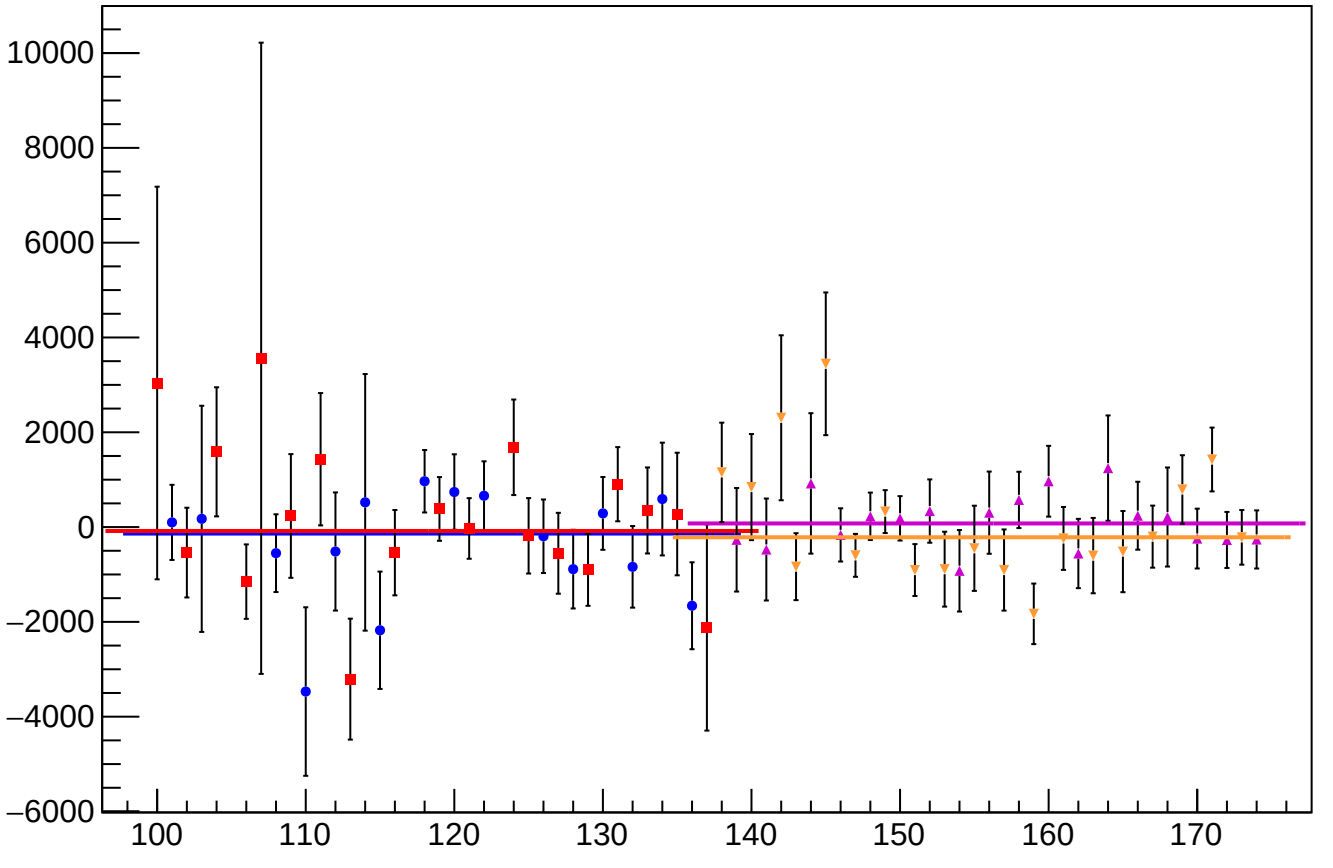
Left: 1816.722+/-0.235 χ^2/NDF: 14580.2/36

Right: 1954.992+/-0.368 χ^2/NDF: 1017954.2/34

In: 1849.145+/-0.280 χ^2/NDF:680235.3/33

Out: 1864.268+/-0.280 χ^2/NDF:451056.1/37

All: 1856.711+/-0.198 χ^2/NDF: 1132749.3/71



Right In: -136.643+/-230.431 χ^2/NDF: 16.9/15

Left Out: -215.172+/-160.278 χ^2/NDF:31.2/18

Right Out: -82.296+/-222.019 χ^2/NDF: 19.7/18

Left In: 76.460+/-164.379 χ^2/NDF:7.5/17

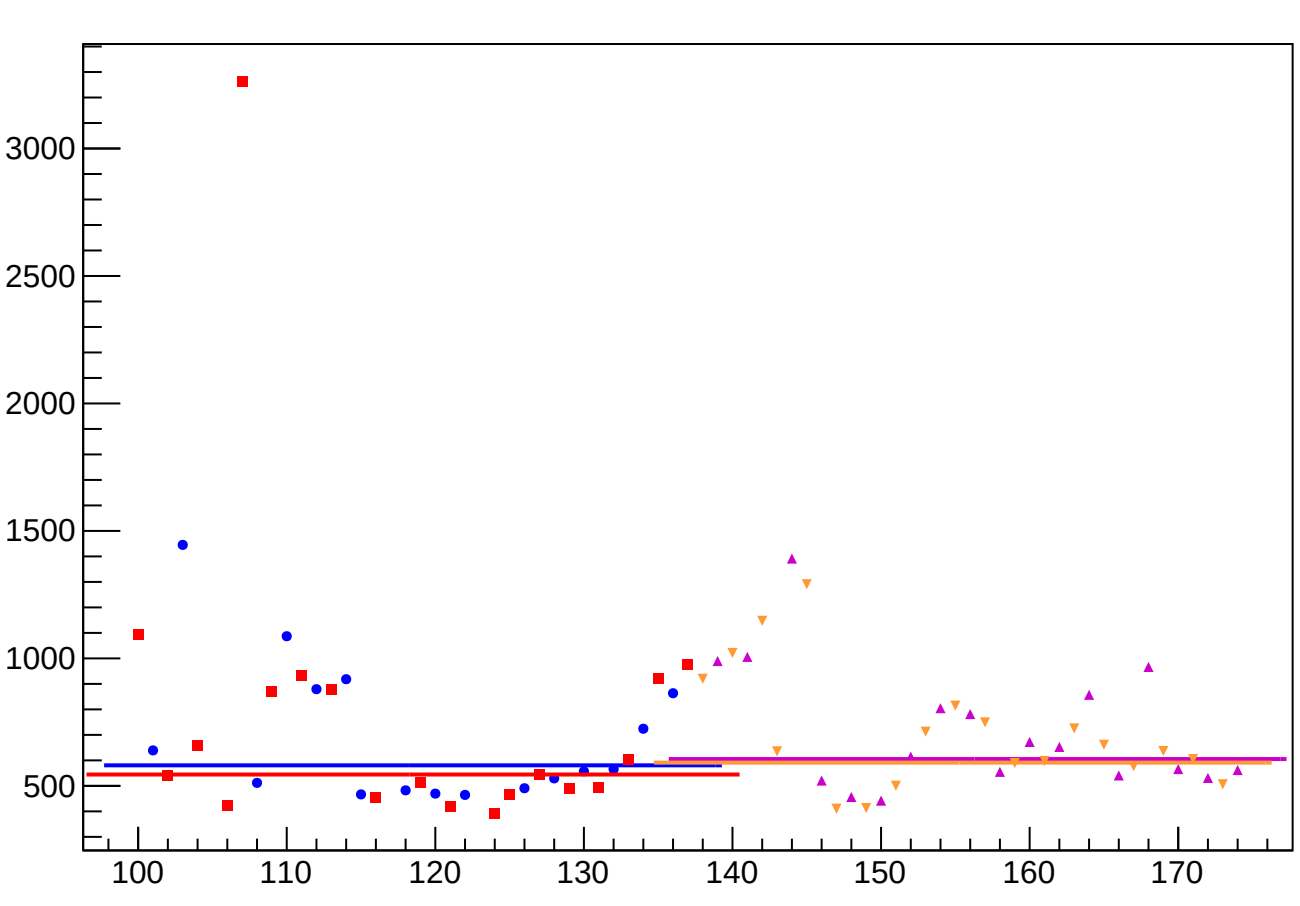
Left: -73.039+/-114.756 χ^2/NDF: 40.4/36

Right: -108.459+/-159.882 χ^2/NDF: 36.7/34

In: 4.590+/-133.820 χ^2/NDF:25.0/33

Out: -169.648+/-129.953 χ^2/NDF:51.2/37

All: -85.082+/-93.228 χ^2/NDF: 77.1/71



Right In: 580.611+/-0.163 χ^2/NDF: 1003410.8/15

Left Out: 591.208+/-0.113 χ^2/NDF:2183340.3/18

Right Out: 544.530+/-0.157 χ^2/NDF: 1287643.0/18

Left In: 605.243+/-0.116 χ^2/NDF:2190378.8/17

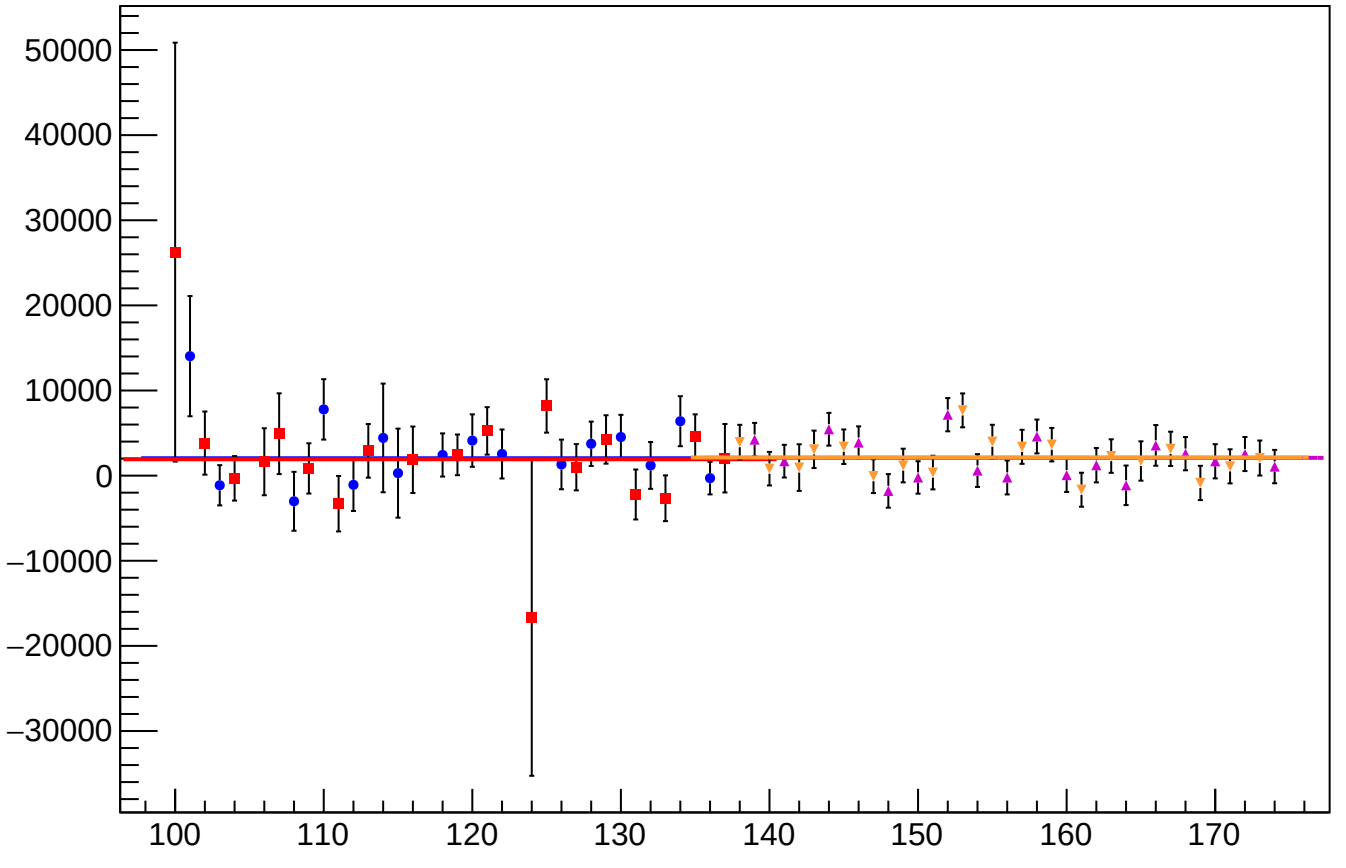
Left: 598.048+/-0.081 χ^2/NDF: 4381193.3/36

Right: 561.900+/-0.113 χ^2/NDF: 2316481.8/34

In: 596.936+/-0.095 χ^2/NDF:3208936.1/33

Out: 575.216+/-0.092 χ^2/NDF:3529099.6/37

All: 585.758+/-0.066 χ^2/NDF: 6765150.9/71



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2135.732+/-469.534 χ^2/NDF:20.2/18

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2091.543+/-470.029 χ^2/NDF:24.7/17

Left: 2113.661+/-332.186 χ^2/NDF: 44.9/36

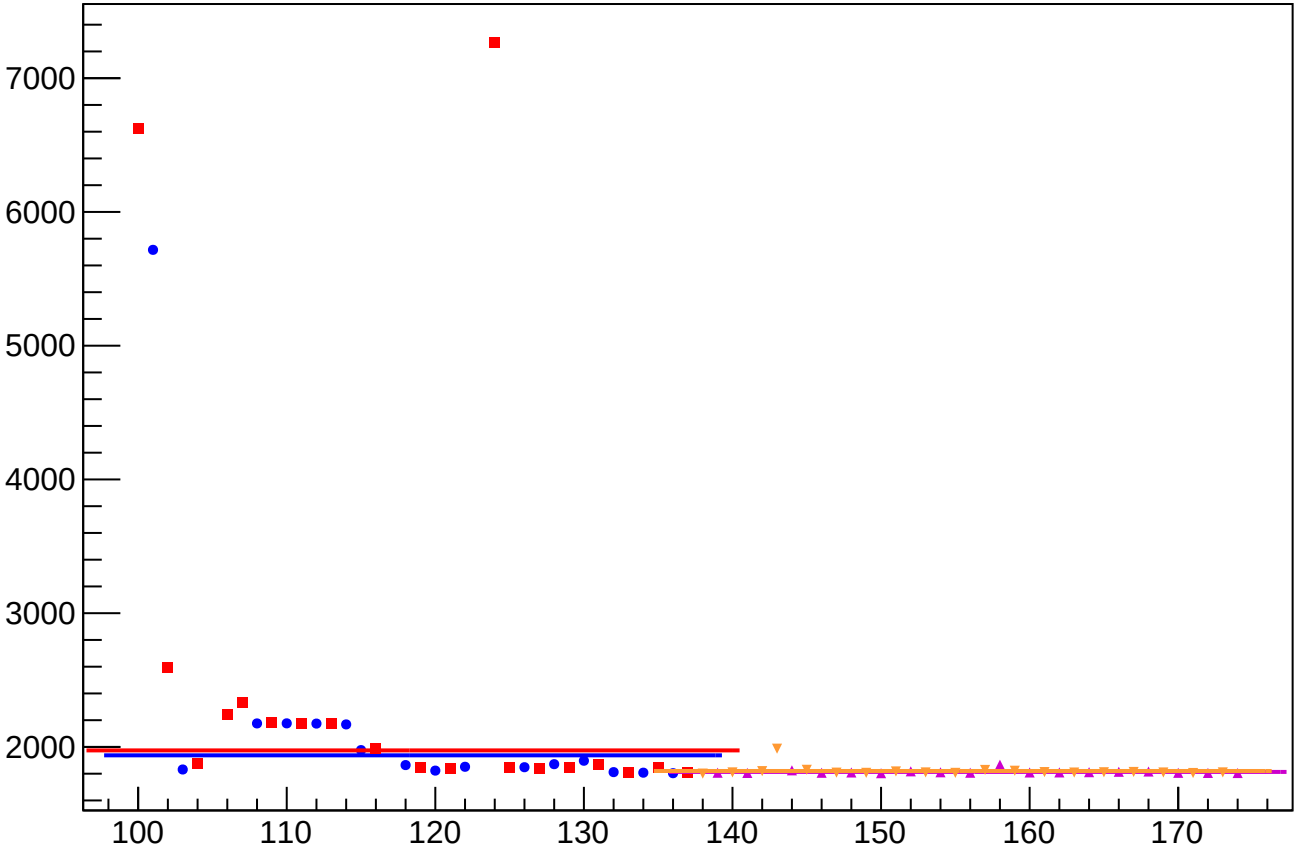
Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2076.282+/-396.172 χ^2/NDF:41.2/33

Out: 2075.306+/-396.061 χ^2/NDF:38.7/37

All: 2075.794+/-280.097 χ^2/NDF: 79.9/71

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.205+/-0.332 χ^2/NDF:12536.8/18

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

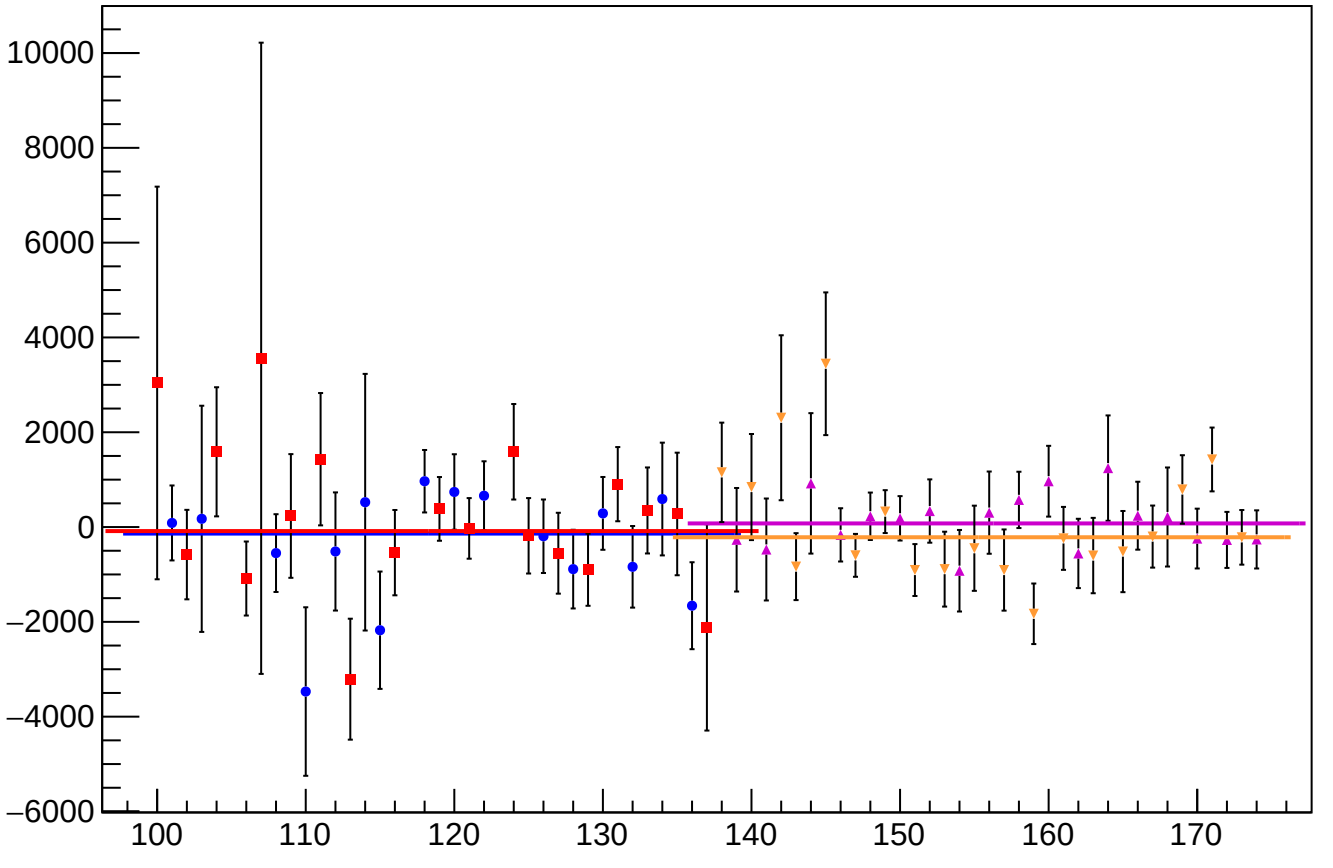
Left: 1816.722+/-0.235 χ^2/NDF: 14580.2/36

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1849.145+/-0.280 χ^2/NDF:680235.3/33

Out: 1864.615+/-0.280 χ^2/NDF:454992.1/37

All: 1856.882+/-0.198 χ^2/NDF: 1136752.6/71



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.241+/-160.278 χ^2/NDF:31.2/18

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 76.510+/-164.381 χ^2/NDF:7.5/17

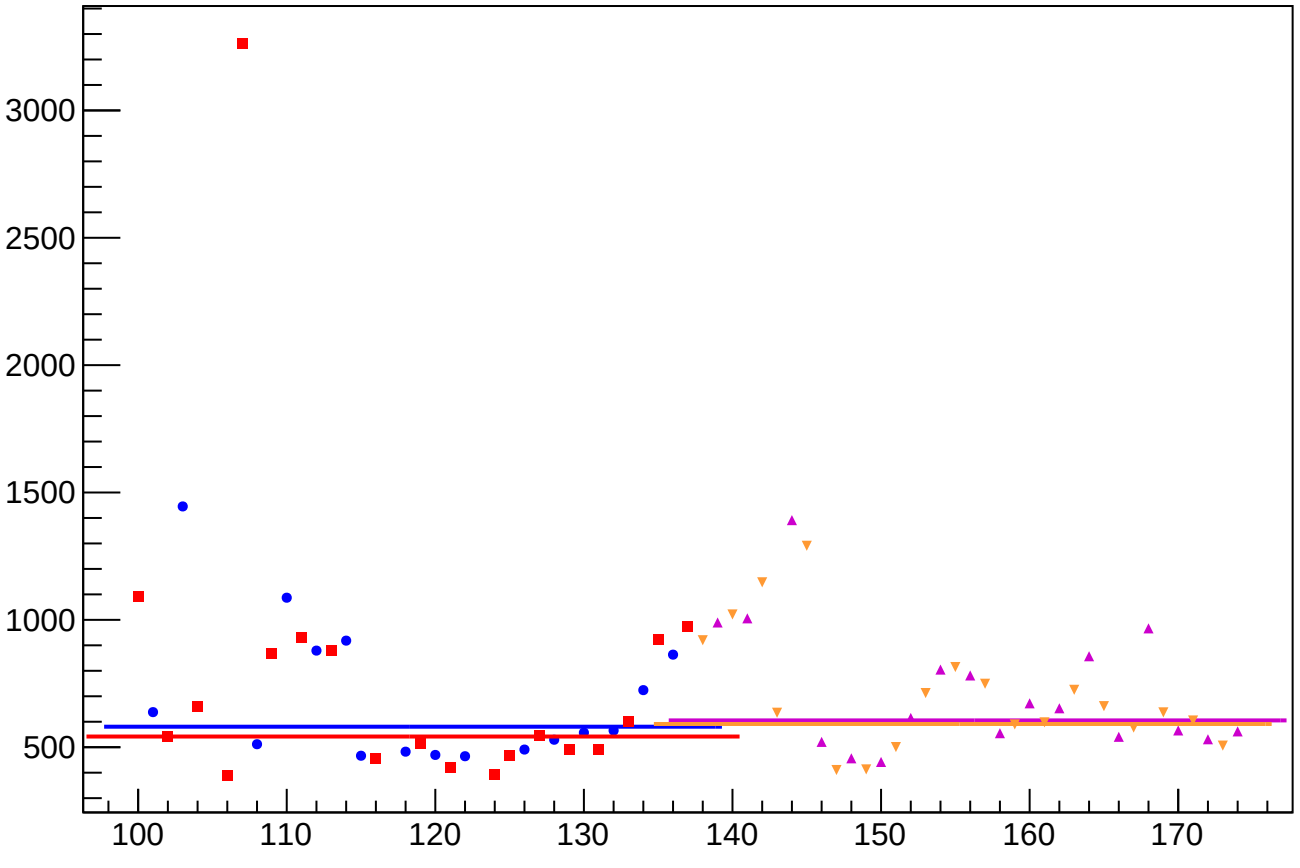
Left: -73.052+/-114.757 χ^2/NDF: 40.4/36

Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 4.316+/-133.811 χ^2/NDF:25.0/33

Out: -170.565+/-129.925 χ^2/NDF:50.7/37

All: -85.701+/-93.215 χ^2/NDF: 76.6/71



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.206+/-0.113 χ^2/NDF:2183464.9/18

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

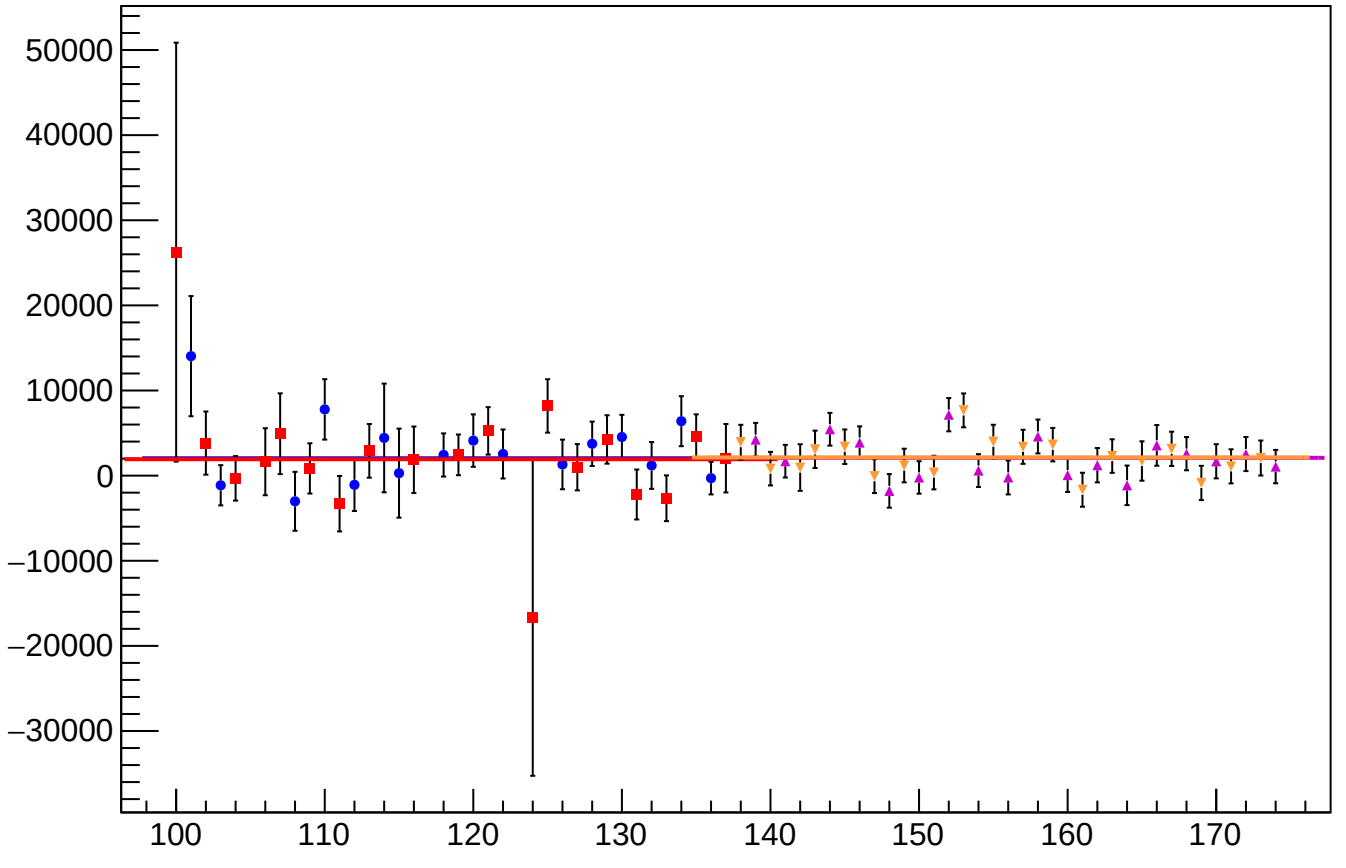
Left: 598.050+/-0.081 χ^2/NDF: 4381361.3/36

Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 596.906+/-0.095 χ^2/NDF:3208585.5/33

Out: 574.313+/-0.092 χ^2/NDF:3567111.8/37

All: 585.277+/-0.066 χ^2/NDF: 6805045.4/71



Right In: 2038.842+/-736.211 χ^2/NDF: 16.4/15

Left Out: 2135.732+/-469.534 χ^2/NDF:20.2/18

Right Out: 1926.264+/-737.411 χ^2/NDF: 18.4/18

Left In: 2091.543+/-470.029 χ^2/NDF:24.7/17

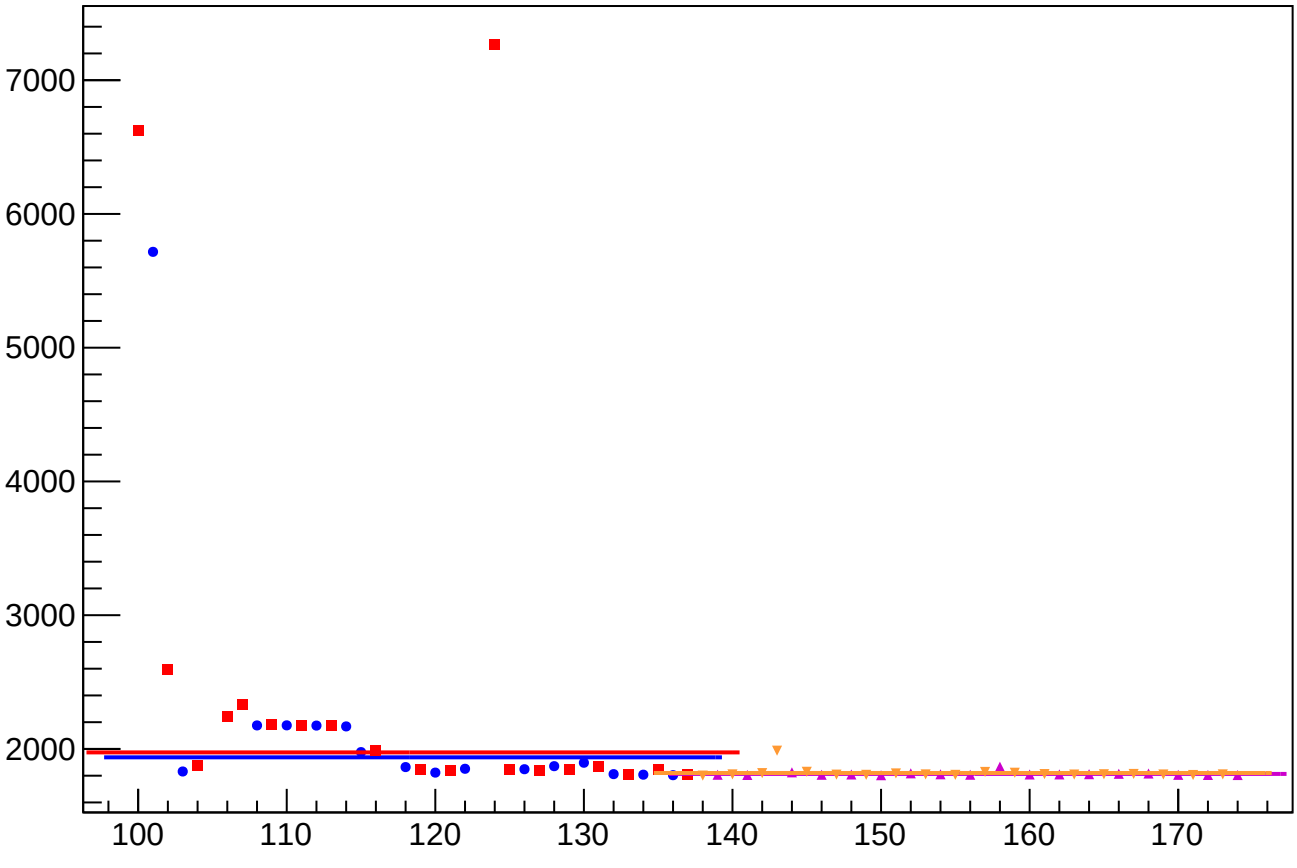
Left: 2113.661+/-332.186 χ^2/NDF: 44.9/36

Right: 1982.645+/-521.003 χ^2/NDF: 34.9/34

In: 2076.282+/-396.172 χ^2/NDF:41.2/33

Out: 2075.306+/-396.061 χ^2/NDF:38.7/37

All: 2075.794+/-280.097 χ^2/NDF: 79.9/71



Right In: 1937.251+/-0.521 χ^2/NDF: 638092.5/15

Left Out: 1820.205+/-0.332 χ^2/NDF:12536.8/18

Right Out: 1974.155+/-0.521 χ^2/NDF: 380430.7/18

Left In: 1813.232+/-0.332 χ^2/NDF:1823.1/17

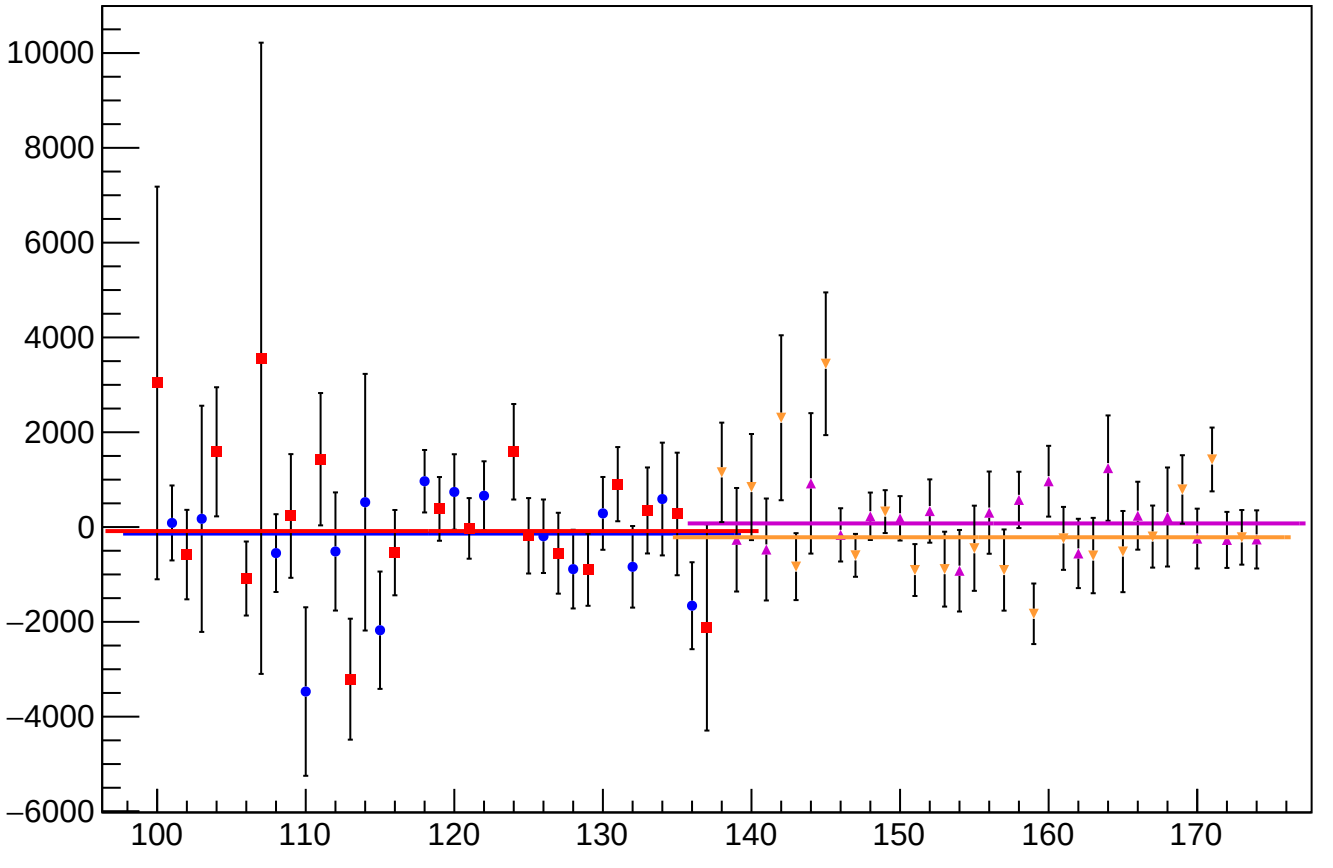
Left: 1816.722+/-0.235 χ^2/NDF: 14580.2/36

Right: 1955.673+/-0.368 χ^2/NDF: 1021031.8/34

In: 1849.145+/-0.280 χ^2/NDF:680235.3/33

Out: 1864.615+/-0.280 χ^2/NDF:454992.1/37

All: 1856.882+/-0.198 χ^2/NDF: 1136752.6/71



Right In: -137.491+/-230.382 χ^2/NDF: 16.9/15

Left Out: -215.241+/-160.278 χ^2/NDF:31.2/18

Right Out: -84.947+/-221.881 χ^2/NDF: 19.3/18

Left In: 76.510+/-164.381 χ^2/NDF:7.5/17

Left: -73.052+/-114.757 χ^2/NDF: 40.4/36

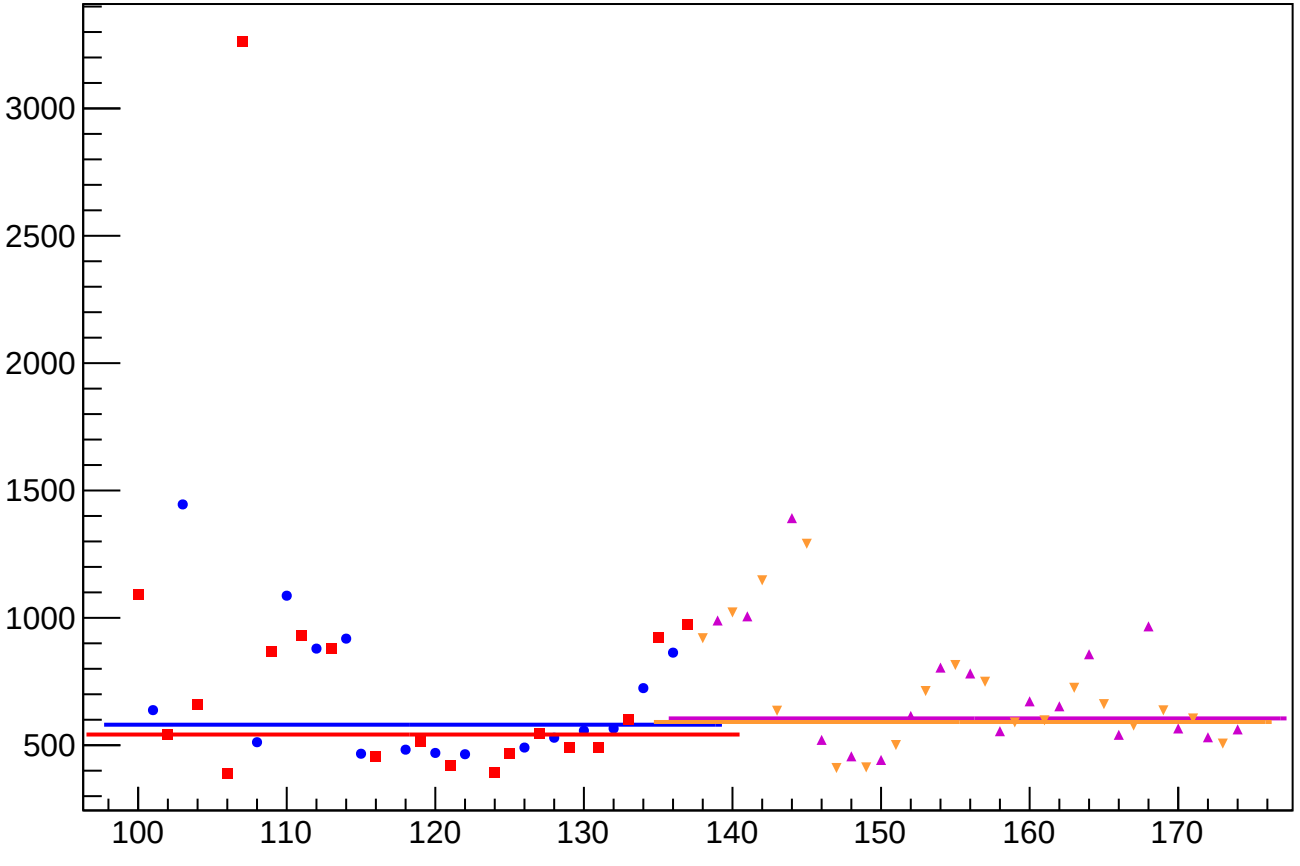
Right: -110.232+/-159.814 χ^2/NDF: 36.2/34

In: 4.316+/-133.811 χ^2/NDF:25.0/33

Out: -170.565+/-129.925 χ^2/NDF:50.7/37

All: -85.701+/-93.215 χ^2/NDF: 76.6/71

asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 580.519+/-0.163 χ^2/NDF: 1002900.5/15

Left Out: 591.206+/-0.113 χ^2/NDF:2183464.9/18

Right Out: 541.939+/-0.157 χ^2/NDF: 1318850.5/18

Left In: 605.249+/-0.116 χ^2/NDF:2190413.8/17

Left: 598.050+/-0.081 χ^2/NDF: 4381361.3/36

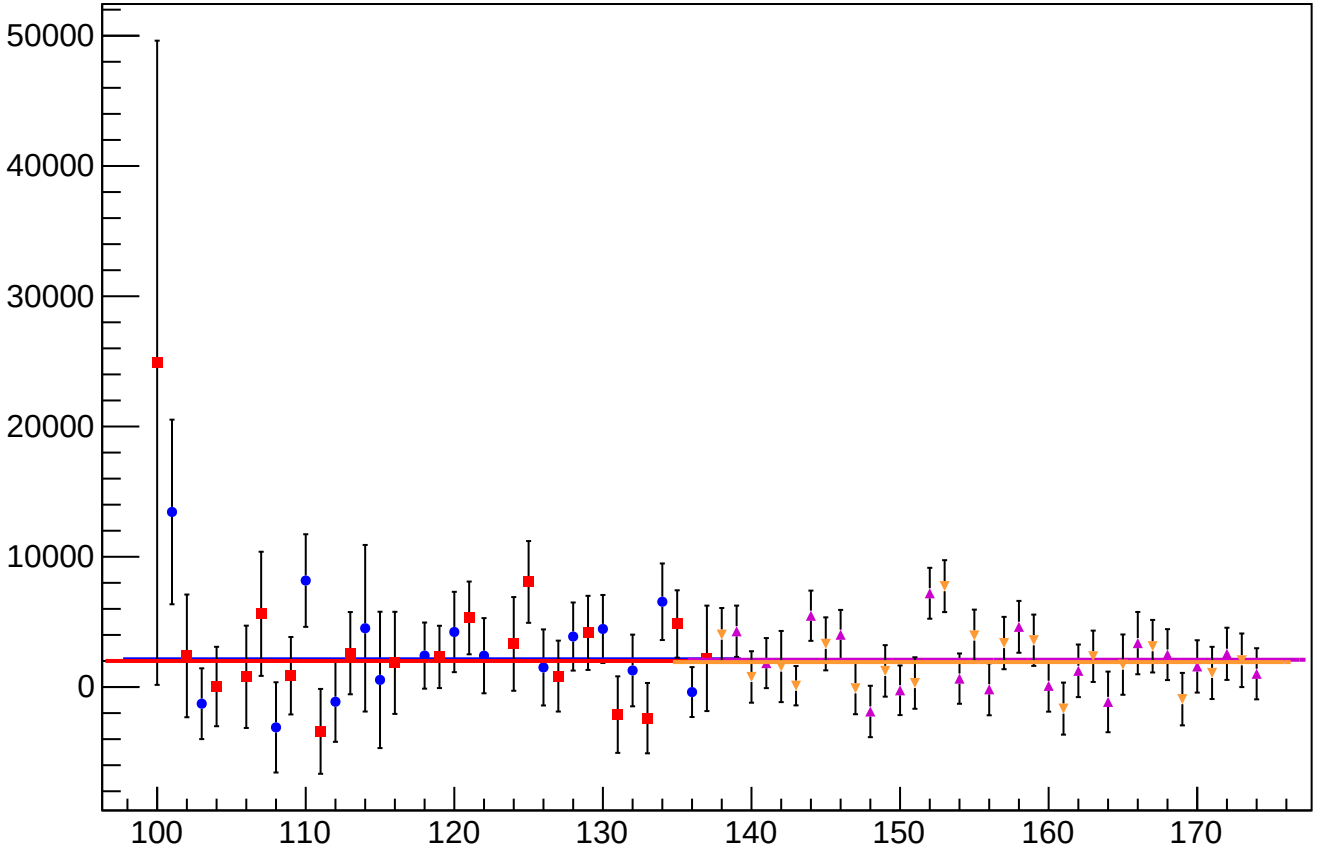
Right: 560.504+/-0.113 χ^2/NDF: 2350848.1/34

In: 596.906+/-0.095 χ^2/NDF:3208585.5/33

Out: 574.313+/-0.092 χ^2/NDF:3567111.8/37

All: 585.277+/-0.066 χ^2/NDF: 6805045.4/71

dit_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2128.748+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1917.031+/-458.416 χ^2/NDF:21.8/18

Right Out: 2002.220+/-737.195 χ^2/NDF: 16.7/18

Left In: 2095.556+/-470.518 χ^2/NDF:25.1/17

Left: 2003.968+/-328.344 χ^2/NDF: 46.9/36

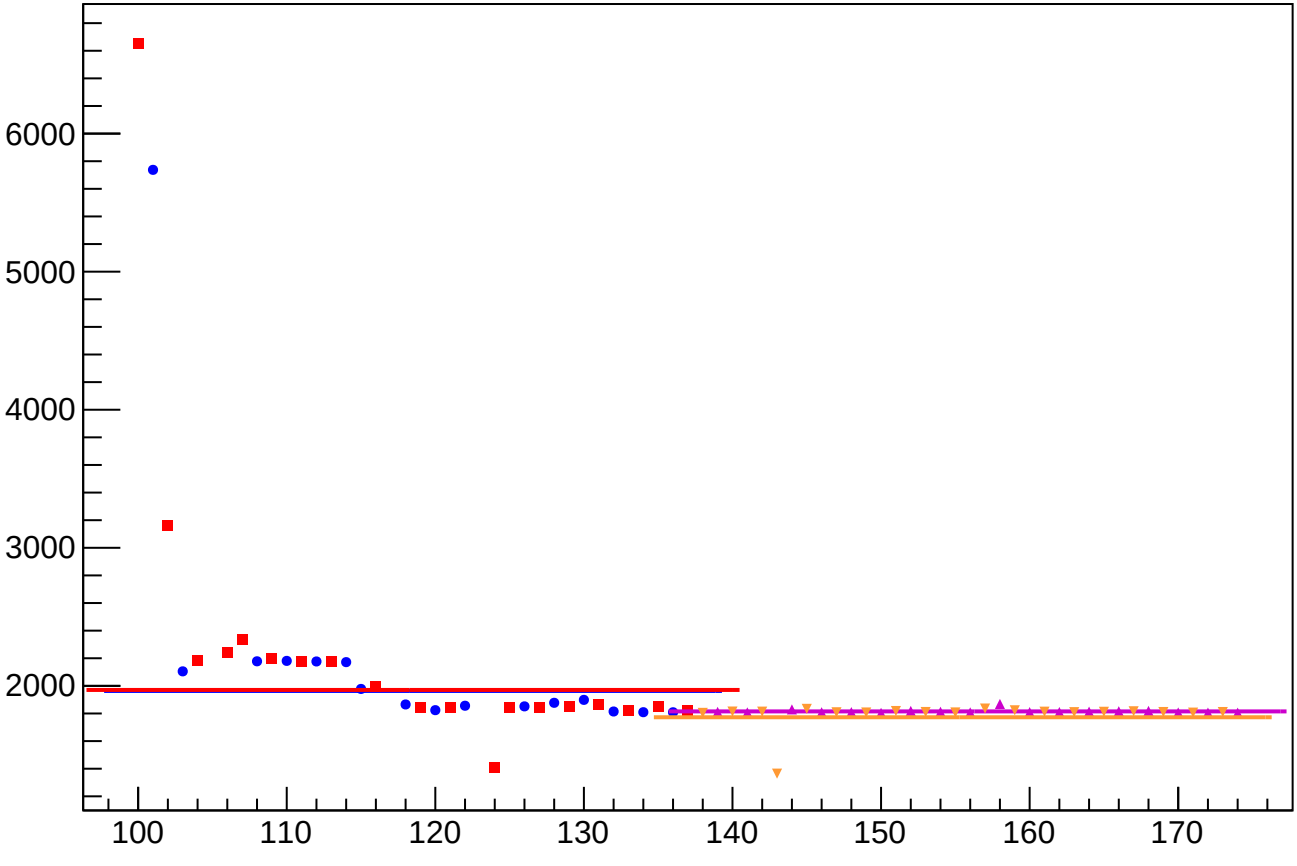
Right: 2064.712+/-524.445 χ^2/NDF: 33.3/34

In: 2104.998+/-398.009 χ^2/NDF:41.6/33

Out: 1940.786+/-389.288 χ^2/NDF:38.6/37

All: 2021.073+/-278.300 χ^2/NDF: 80.2/71

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1963.415+/-0.528 χ^2/NDF: 640254.1/15

Left Out: 1772.639+/-0.324 χ^2/NDF:161804.3/18

Right Out: 1970.459+/-0.521 χ^2/NDF: 345133.0/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

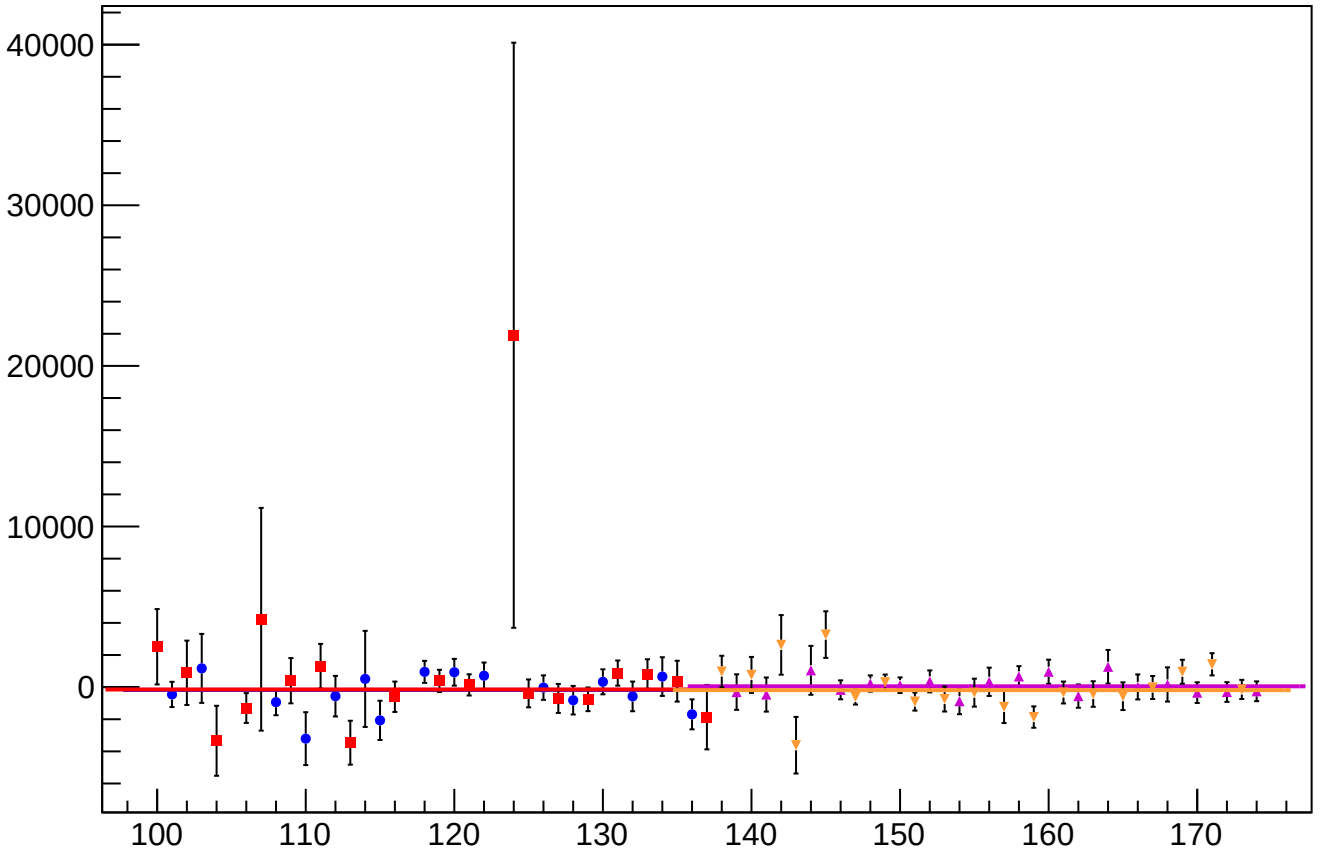
Left: 1793.316+/-0.232 χ^2/NDF: 172045.1/36

Right: 1966.980+/-0.371 χ^2/NDF: 985477.3/34

In: 1857.289+/-0.281 χ^2/NDF:698670.1/33

Out: 1827.803+/-0.275 χ^2/NDF:610792.8/37

All: 1842.219+/-0.197 χ^2/NDF: 1315073.0/71



Right In: -170.774+/-236.912 χ^2/NDF: 17.2/15

Left Out: -188.139+/-169.358 χ^2/NDF:33.5/18

Right Out: -147.489+/-242.848 χ^2/NDF: 20.1/18

Left In: 52.027+/-168.202 χ^2/NDF:8.0/17

Left: -67.234+/-119.343 χ^2/NDF: 42.5/36

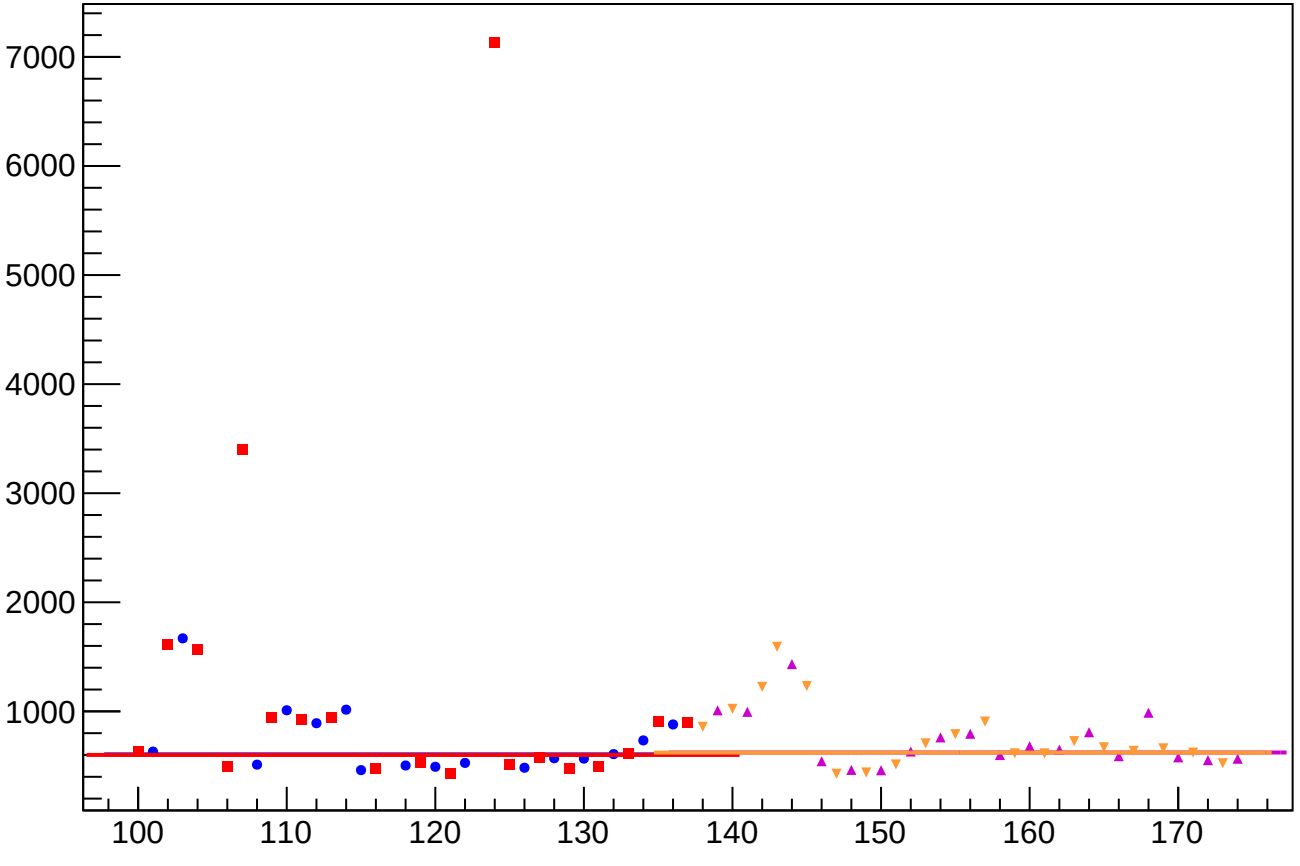
Right: -159.420+/-169.582 χ^2/NDF: 37.3/34

In: -22.642+/-137.151 χ^2/NDF:25.9/33

Out: -174.838+/-138.914 χ^2/NDF:53.6/37

All: -97.768+/-97.598 χ^2/NDF: 80.1/71

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.430+/-0.168 χ^2/NDF: 1162454.5/15

Left Out: 622.014+/-0.120 χ^2/NDF:2604970.6/18

Right Out: 600.447+/-0.172 χ^2/NDF: 2328523.8/18

Left In: 622.784+/-0.119 χ^2/NDF:2022697.5/17

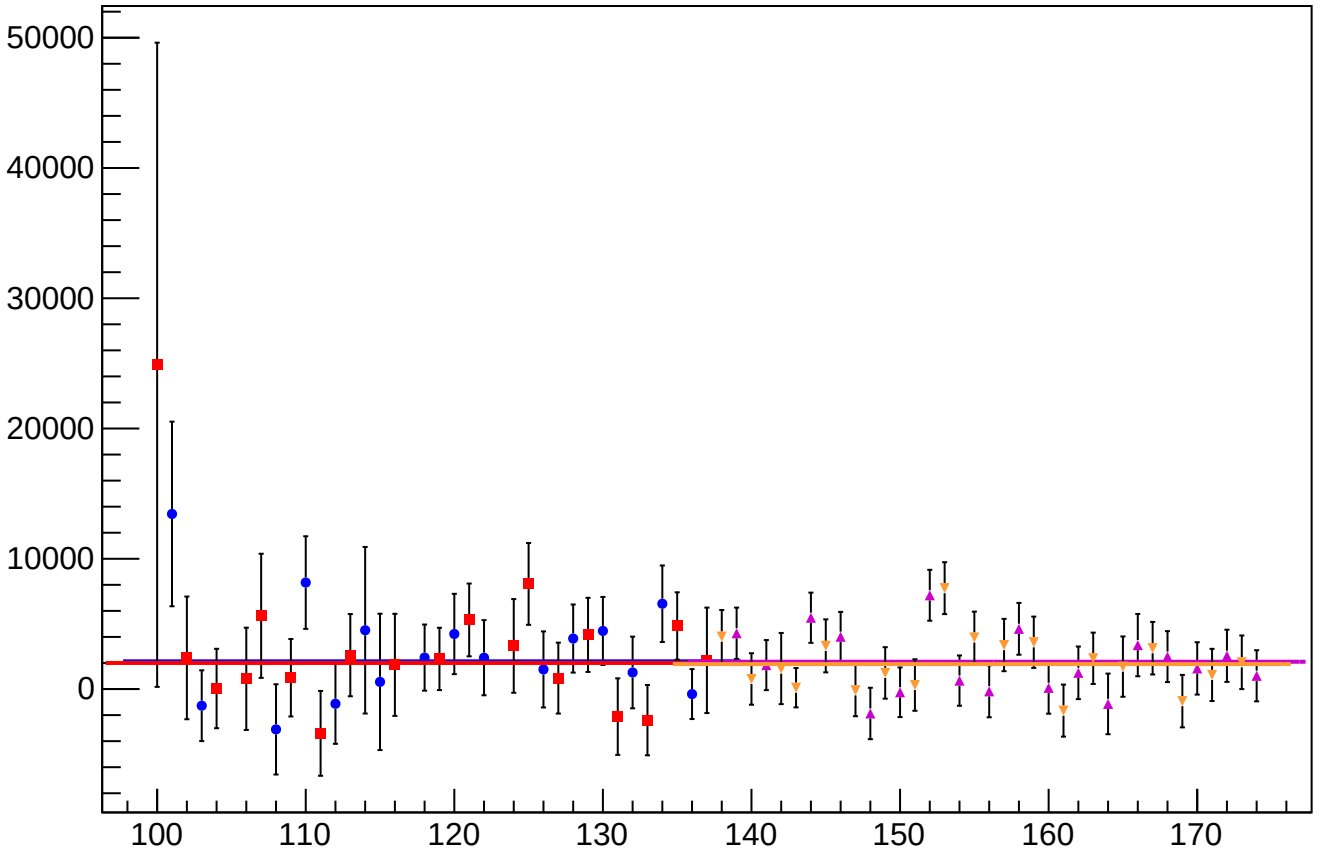
Left: 622.402+/-0.084 χ^2/NDF: 4627688.9/36

Right: 603.000+/-0.120 χ^2/NDF: 3491409.7/34

In: 616.968+/-0.097 χ^2/NDF:3192287.4/33

Out: 614.957+/-0.098 χ^2/NDF:4944107.4/37

All: 615.975+/-0.069 χ^2/NDF: 8136607.1/71



Right In: 2128.746+/-746.242 χ^2/NDF: 16.5/15

Left Out: 1917.031+/-458.416 χ^2/NDF:21.8/18

Right Out: 2002.218+/-737.195 χ^2/NDF: 16.7/18

Left In: 2095.556+/-470.518 χ^2/NDF:25.1/17

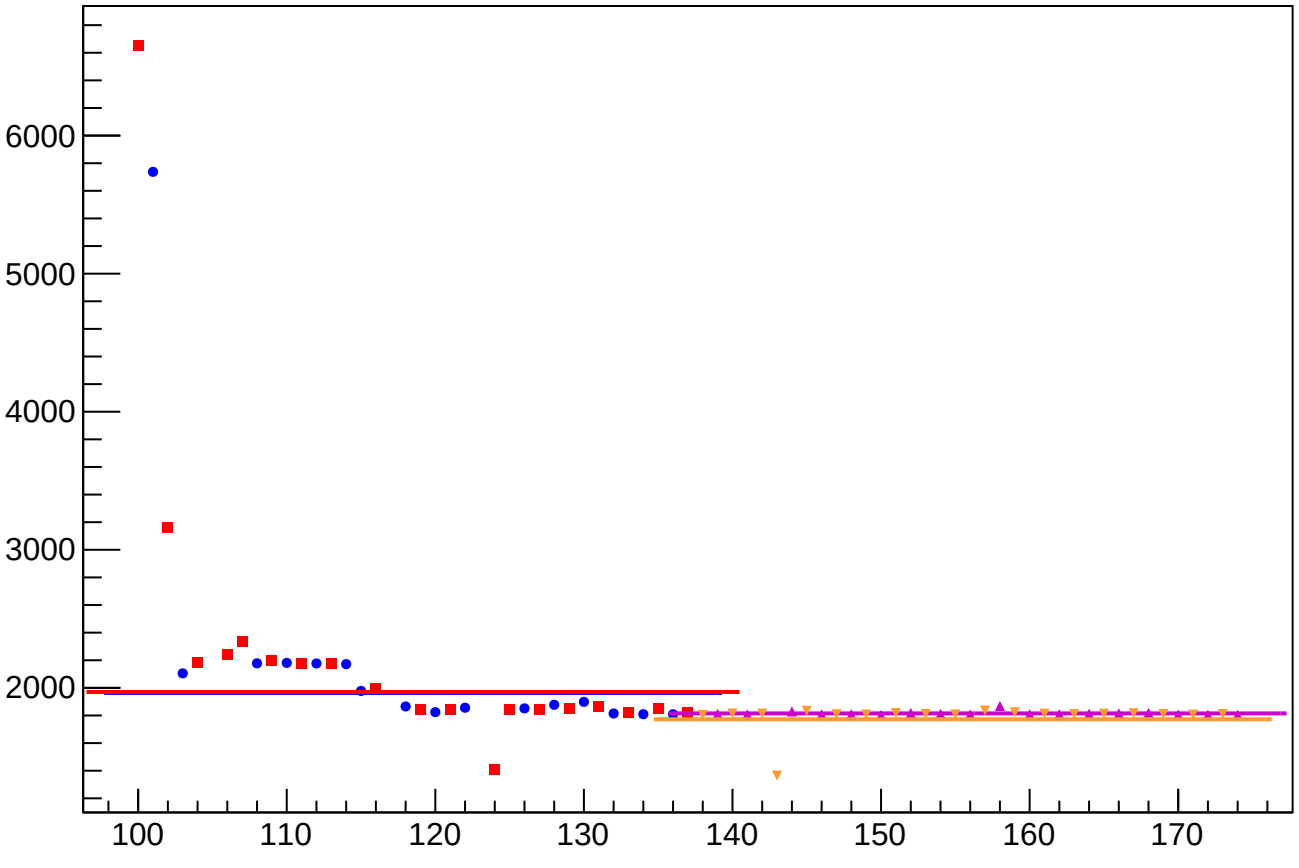
Left: 2003.968+/-328.344 χ^2/NDF: 46.9/36

Right: 2064.710+/-524.445 χ^2/NDF: 33.3/34

In: 2104.997+/-398.009 χ^2/NDF:41.6/33

Out: 1940.786+/-389.288 χ^2/NDF:38.6/37

All: 2021.073+/-278.300 χ^2/NDF: 80.2/71



Right In: 1963.415+/-0.528 χ^2/NDF: 640253.8/15

Left Out: 1772.639+/-0.324 χ^2/NDF:161804.3/18

Right Out: 1970.459+/-0.521 χ^2/NDF: 345131.7/18

Left In: 1815.098+/-0.333 χ^2/NDF:1885.5/17

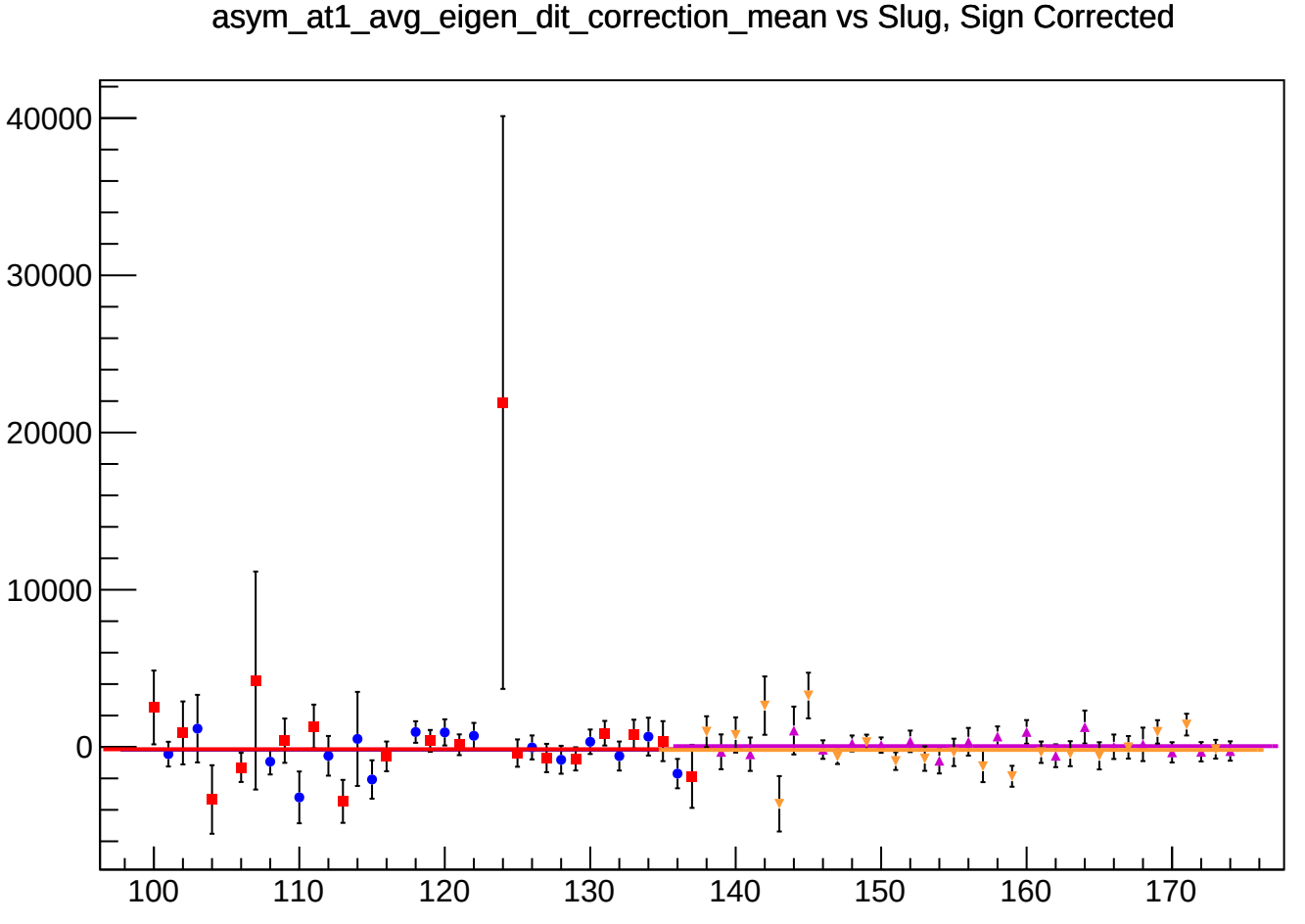
Left: 1793.316+/-0.232 χ^2/NDF: 172045.0/36

Right: 1966.980+/-0.371 χ^2/NDF: 985475.7/34

In: 1857.289+/-0.281 χ^2/NDF:698669.6/33

Out: 1827.802+/-0.275 χ^2/NDF:610791.2/37

All: 1842.219+/-0.197 χ^2/NDF: 1315071.0/71



Right In: -170.773+/-236.912 χ^2/NDF: 17.2/15

Left Out: -188.140+/-169.358 χ^2/NDF:33.5/18

Right Out: -147.489+/-242.847 χ^2/NDF: 20.1/18

Left In: 52.027+/-168.202 χ^2/NDF:8.0/17

Left: -67.234+/-119.343 χ^2/NDF: 42.5/36

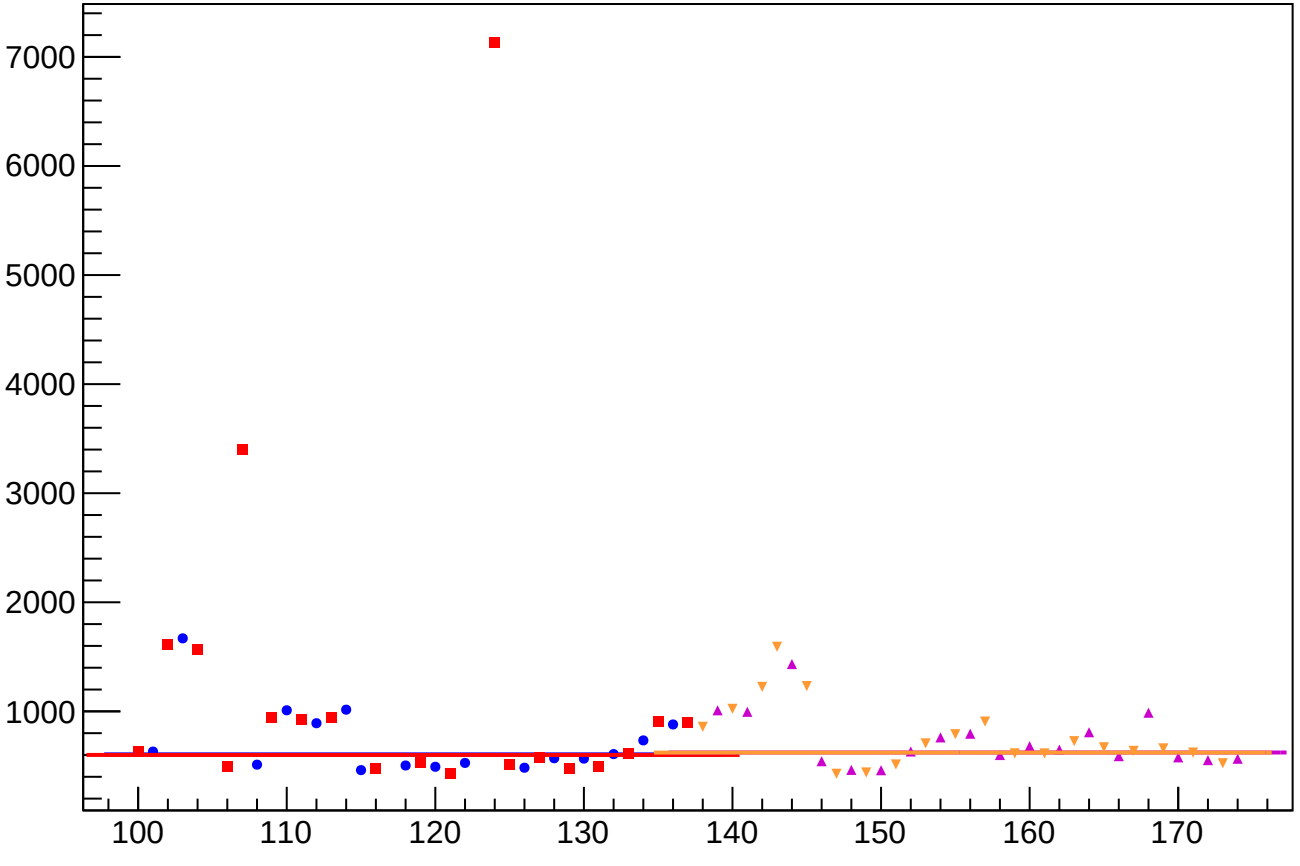
Right: -159.419+/-169.581 χ^2/NDF: 37.3/34

In: -22.642+/-137.151 χ^2/NDF:25.9/33

Out: -174.838+/-138.914 χ^2/NDF:53.6/37

All: -97.768+/-97.598 χ^2/NDF: 80.1/71

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 605.429+/-0.168 χ^2/NDF: 1162462.4/15

Left Out: 622.015+/-0.120 χ^2/NDF:2604964.0/18

Right Out: 600.446+/-0.172 χ^2/NDF: 2328531.9/18

Left In: 622.785+/-0.119 χ^2/NDF:2022692.9/17

Left: 622.403+/-0.084 χ^2/NDF: 4627677.7/36

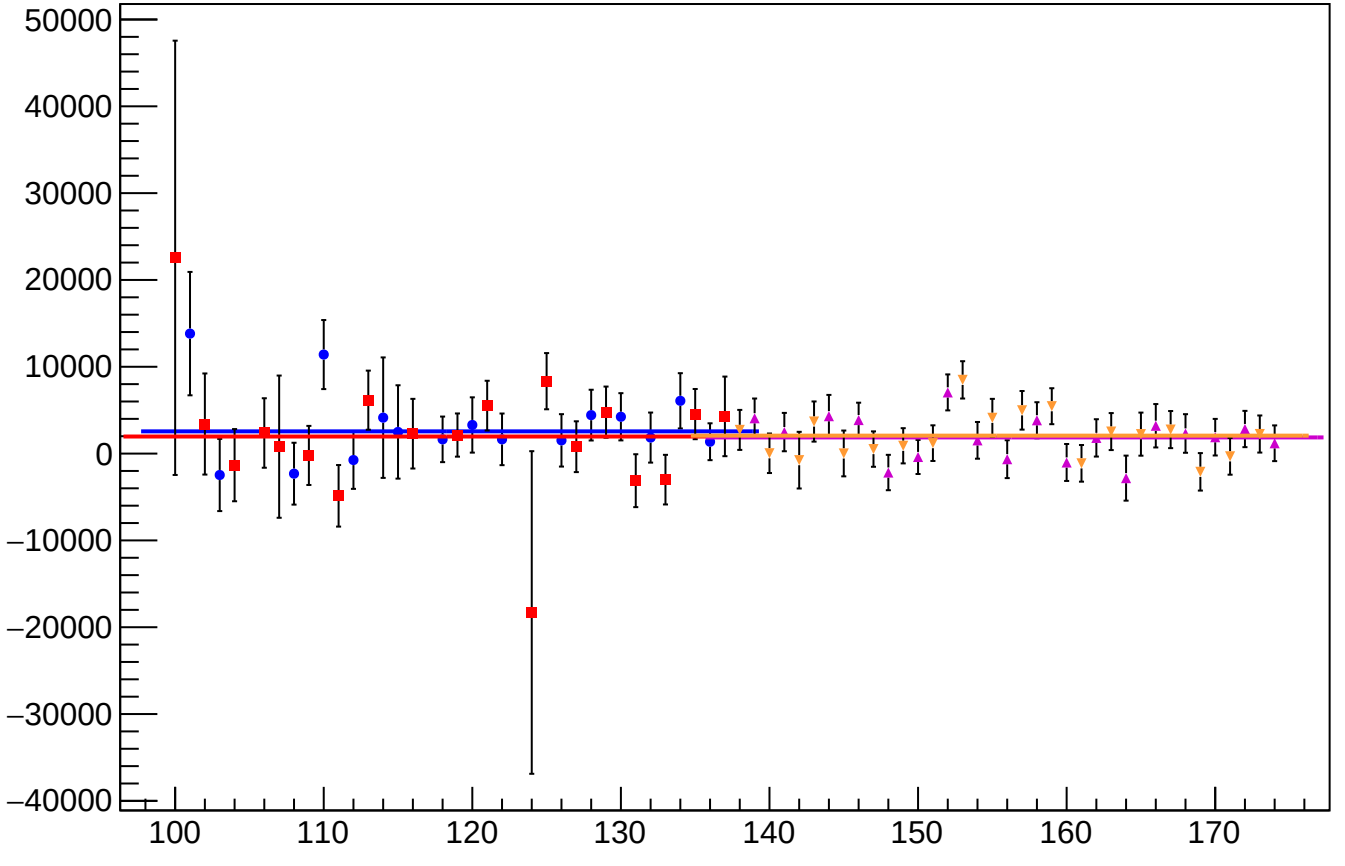
Right: 602.999+/-0.120 χ^2/NDF: 3491425.6/34

In: 616.968+/-0.097 χ^2/NDF:3192292.4/33

Out: 614.958+/-0.098 χ^2/NDF:4944110.7/37

All: 615.976+/-0.069 χ^2/NDF: 8136615.3/71

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2560.971+/-809.658 χ^2/NDF: 14.6/15

Left Out: 2066.949+/-508.213 χ^2/NDF:25.5/18

Right Out: 1966.731+/-818.839 χ^2/NDF: 21.6/18

Left In: 1861.518+/-509.487 χ^2/NDF:22.5/17

Left: 1964.491+/-359.811 χ^2/NDF: 48.1/36

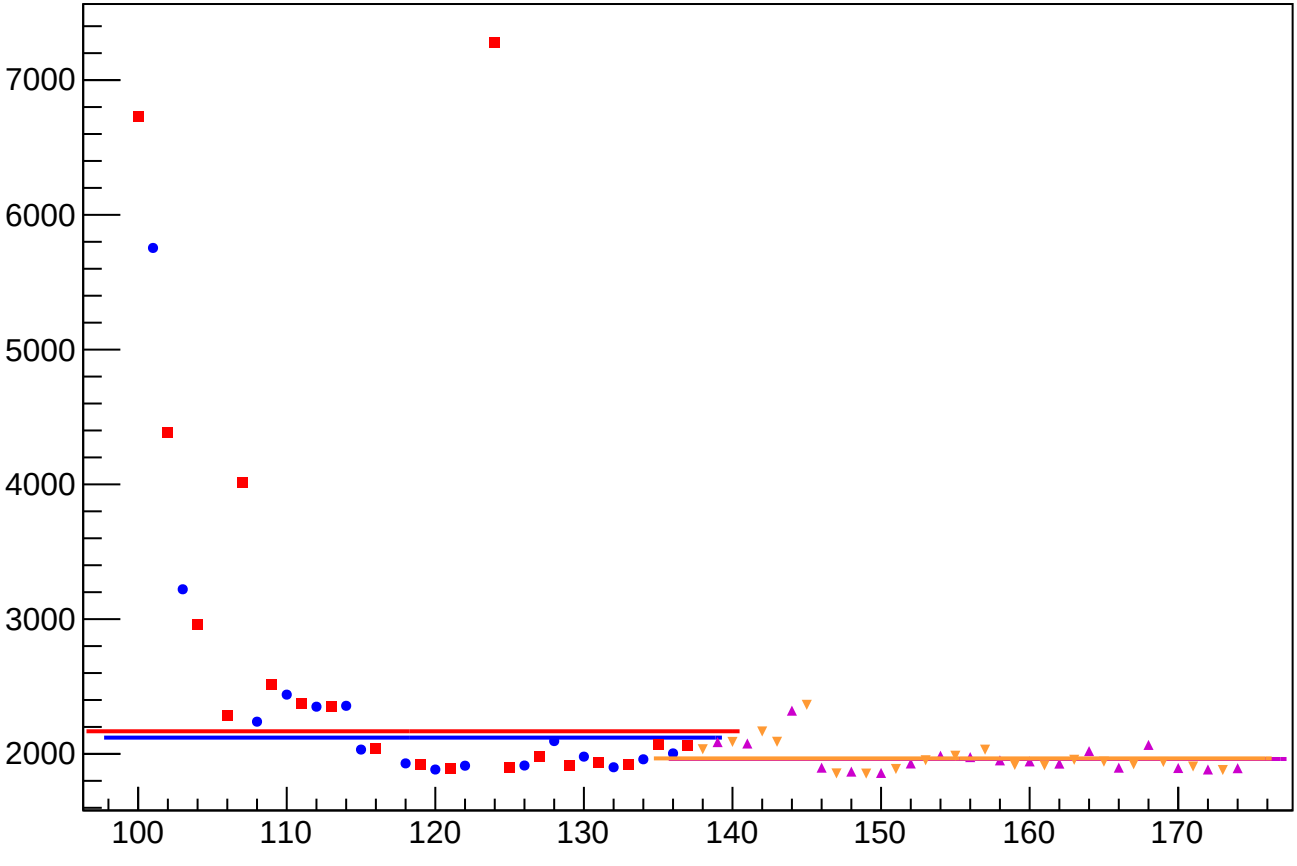
Right: 2267.201+/-575.733 χ^2/NDF: 36.5/34

In: 2059.920+/-431.216 χ^2/NDF:37.7/33

Out: 2039.080+/-431.806 χ^2/NDF:47.1/37

All: 2049.514+/-305.124 χ^2/NDF: 84.8/71

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2120.778+/-0.573 χ^2/NDF: 759969.1/15

Left Out: 1966.504+/-0.359 χ^2/NDF:91691.7/18

Right Out: 2167.840+/-0.579 χ^2/NDF: 823925.5/18

Left In: 1962.171+/-0.360 χ^2/NDF:81481.2/17

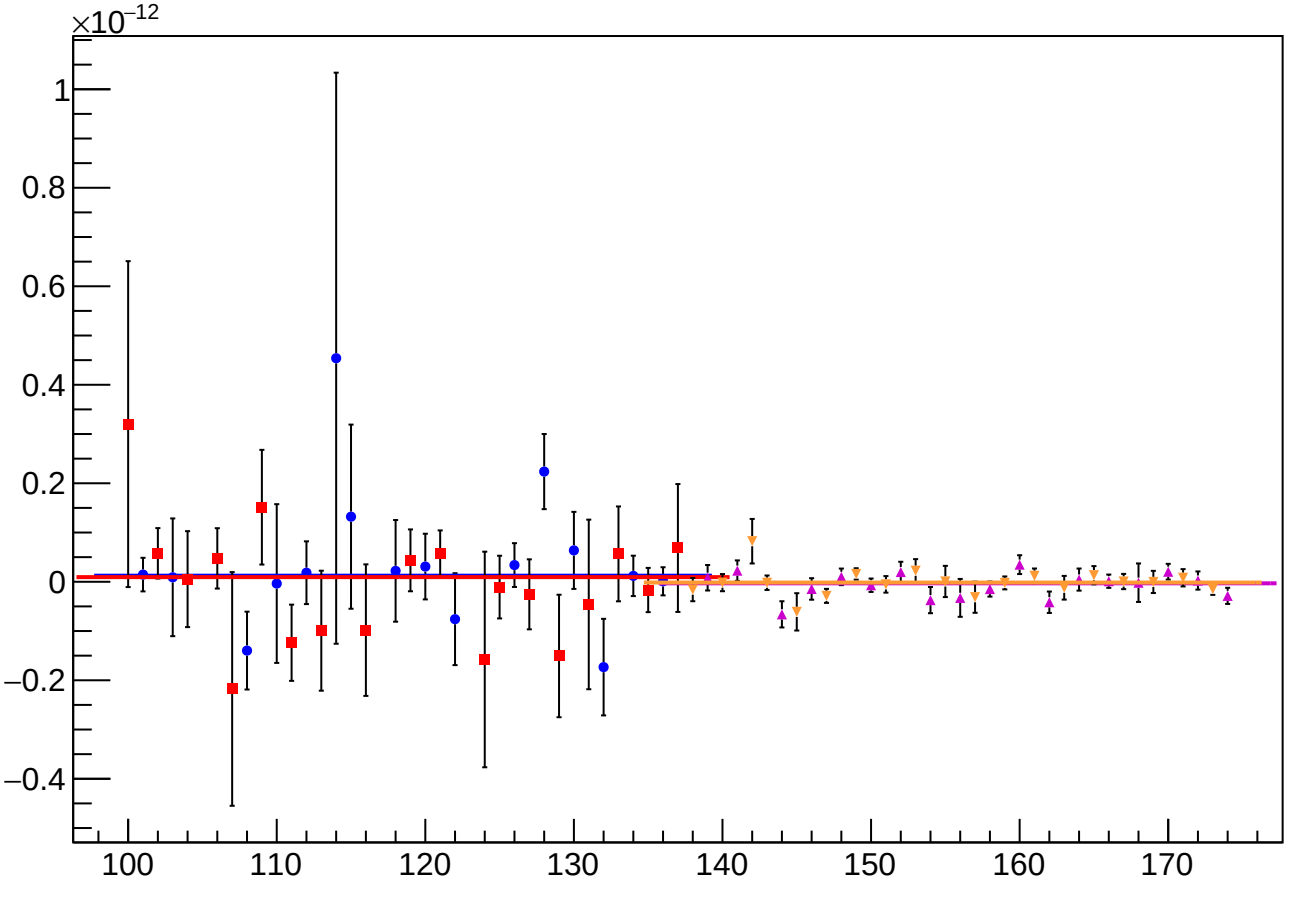
Left: 1964.343+/-0.254 χ^2/NDF: 173245.4/36

Right: 2144.044+/-0.407 χ^2/NDF: 1587235.2/34

In: 2007.160+/-0.305 χ^2/NDF:896428.6/33

Out: 2022.493+/-0.305 χ^2/NDF:1002907.0/37

All: 2014.816+/-0.216 χ^2/NDF: 1900598.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:17.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:24.3/17

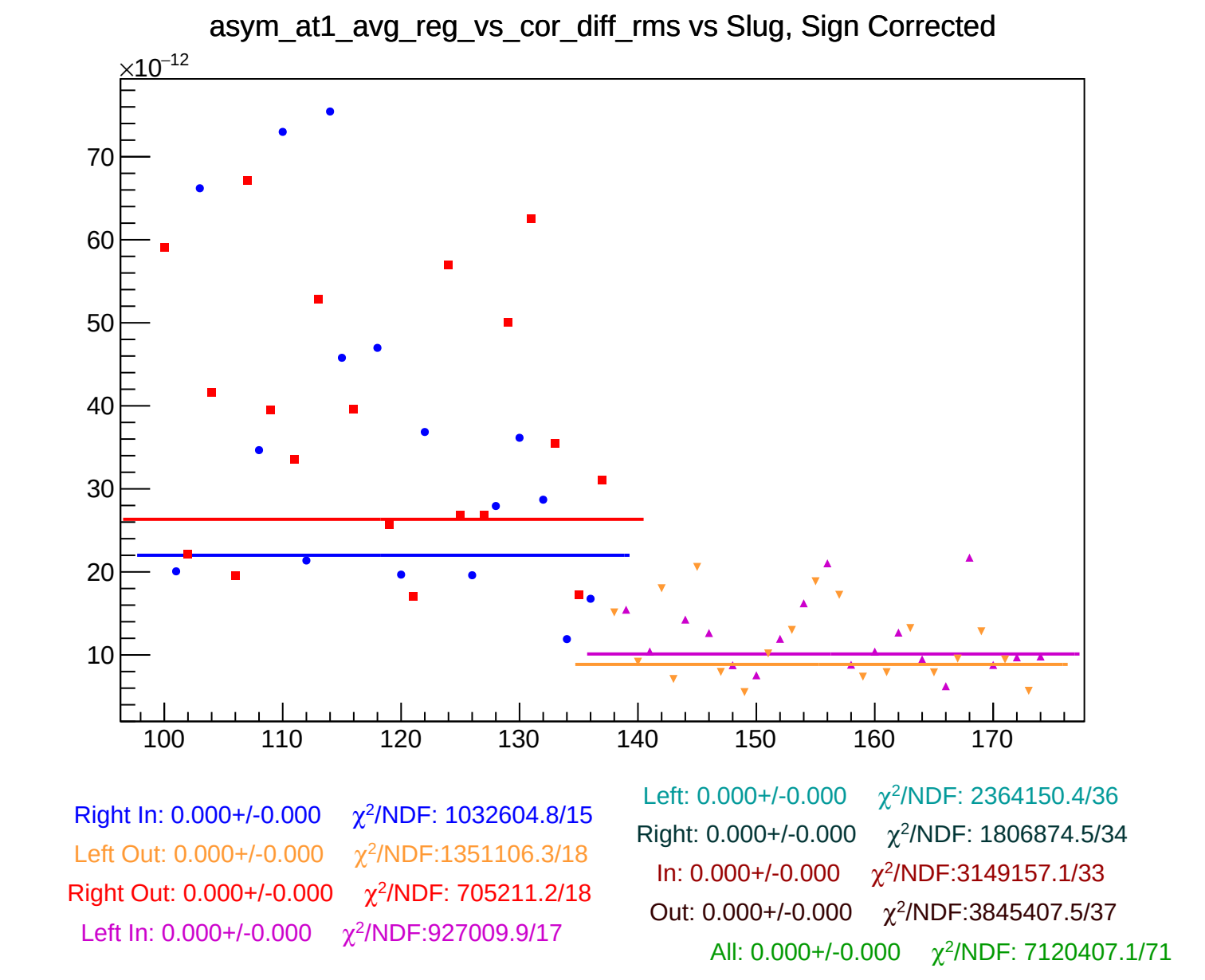
Left: -0.000+/-0.000 χ^2/NDF: 41.8/36

Right: 0.000+/-0.000 χ^2/NDF: 31.6/34

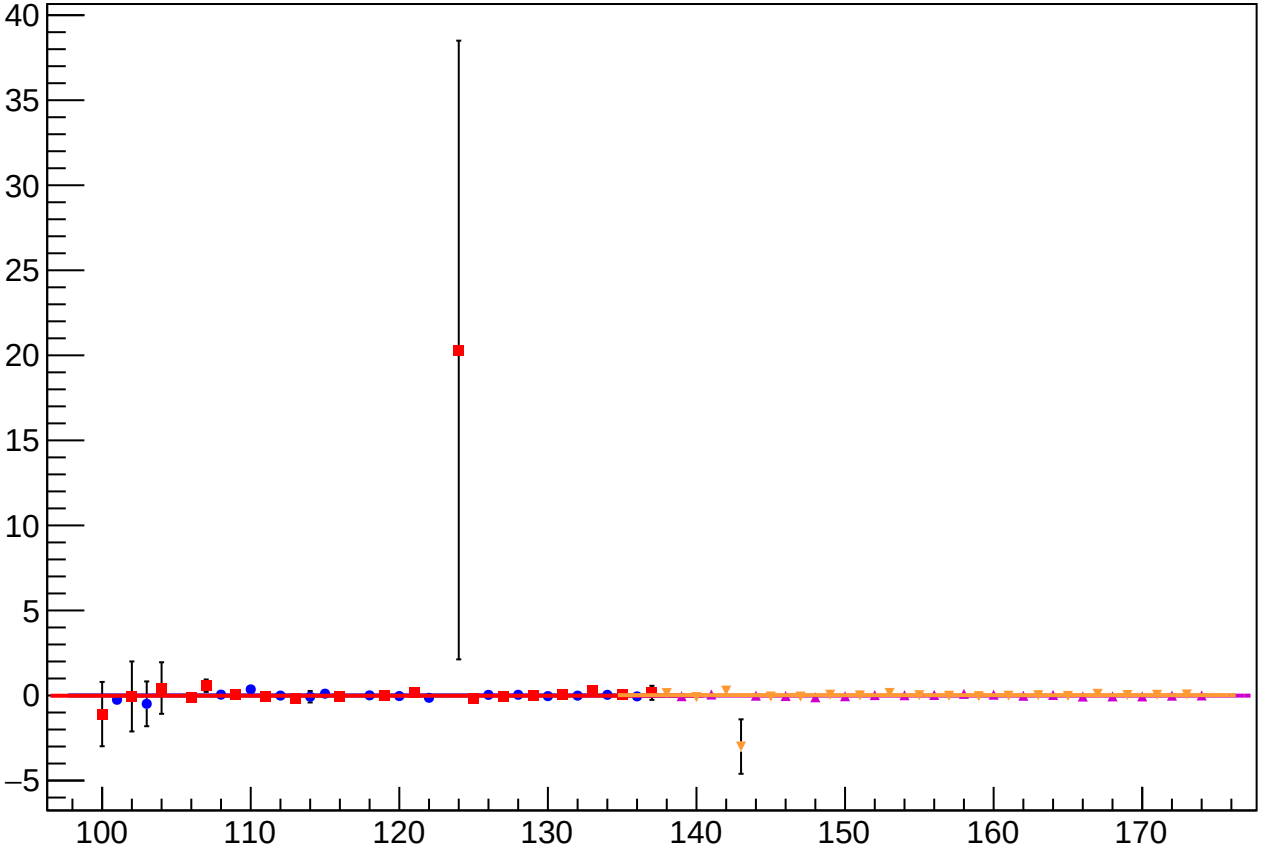
In: -0.000+/-0.000 χ^2/NDF:43.1/33

Out: -0.000+/-0.000 χ^2/NDF:31.5/37

All: -0.000+/-0.000 χ^2/NDF: 74.6/71


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1032604.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1351106.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 705211.2/18
Left In: 0.000+/-0.000 χ²/NDF:927009.9/17
Left: 0.000+/-0.000 χ²/NDF: 2364150.4/36
Right: 0.000+/-0.000 χ²/NDF: 1806874.5/34
In: 0.000+/-0.000 χ²/NDF:3149157.1/33
Out: 0.000+/-0.000 χ²/NDF:3845407.5/37
All: 0.000+/-0.000 χ²/NDF: 7120407.1/71

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

Left: 0.006+/-0.009 χ^2/NDF: 41.7/36

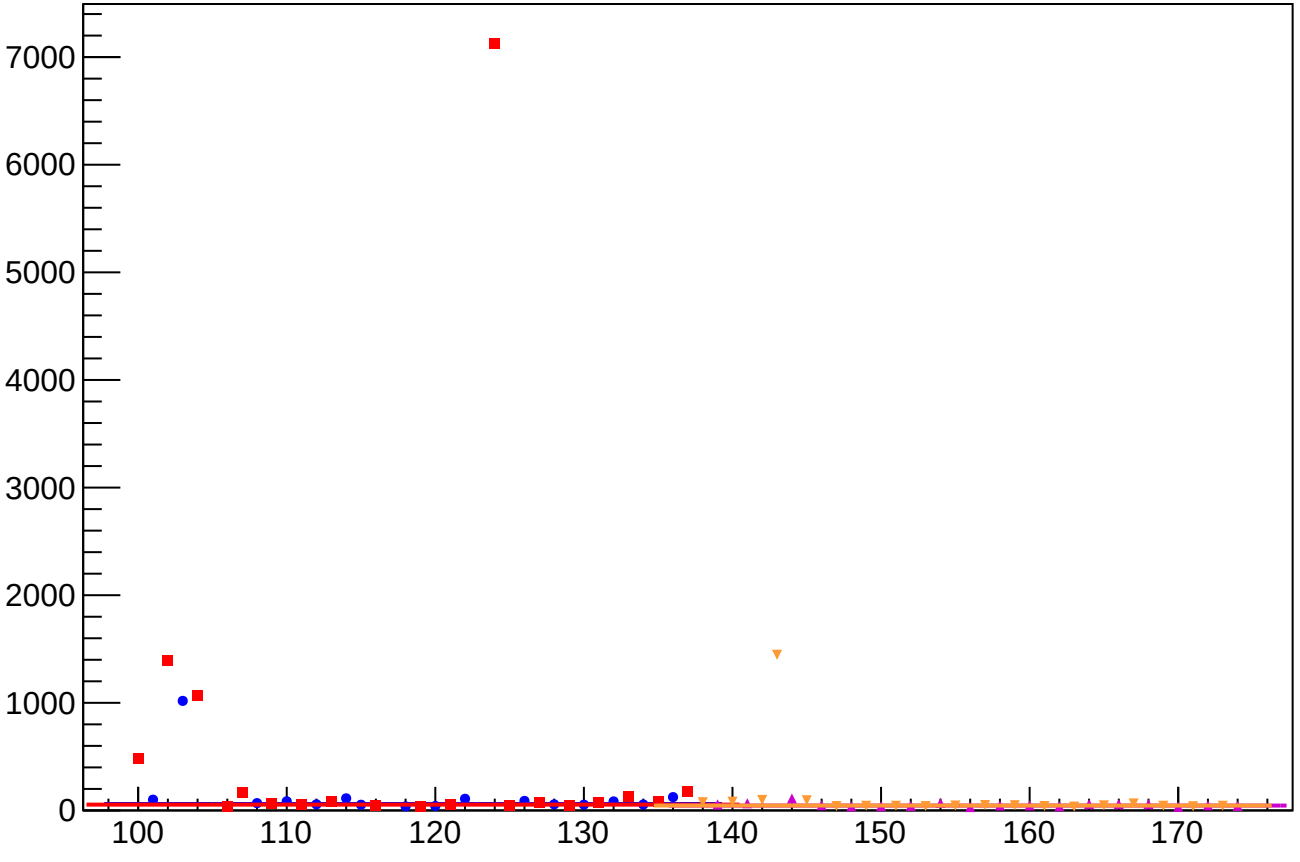
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.008 χ^2/NDF: 71.2/71

asym_at1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 45.849+/-0.010 χ^2/NDF:2992960.6/18

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

Left: 45.578+/-0.007 χ^2/NDF: 4683102.3/36

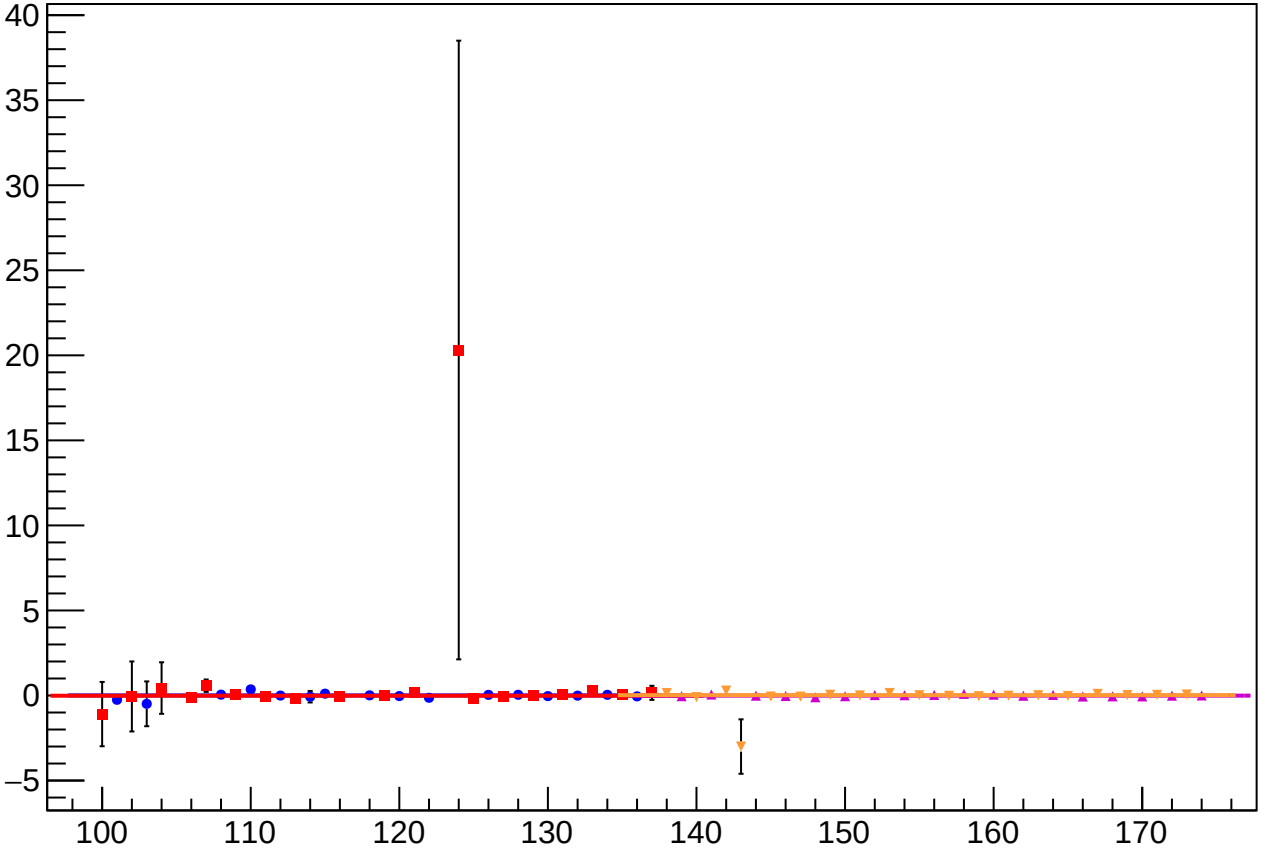
Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.179+/-0.008 χ^2/NDF:4701757.4/33

Out: 47.676+/-0.009 χ^2/NDF:6680284.2/37

All: 47.932+/-0.006 χ^2/NDF: 11383813.9/71

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

Left: 0.006+/-0.009 χ^2/NDF: 41.7/36

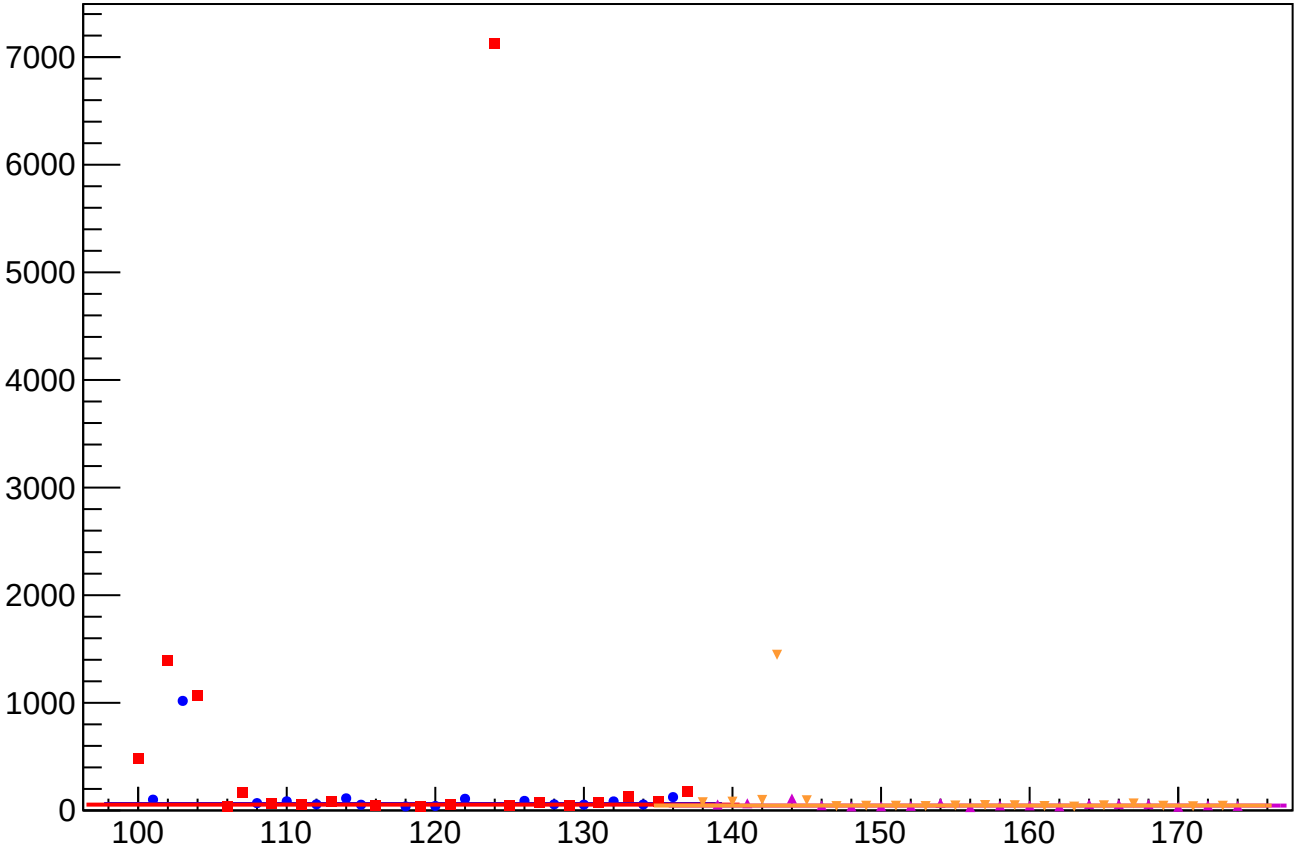
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.008 χ^2/NDF: 71.2/71

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.840+/-0.019 χ^2/NDF: 2538867.4/15

Left Out: 45.849+/-0.010 χ^2/NDF:2992960.6/18

Right Out: 54.249+/-0.018 χ^2/NDF: 3521580.5/18

Left In: 45.322+/-0.009 χ^2/NDF:1688600.6/17

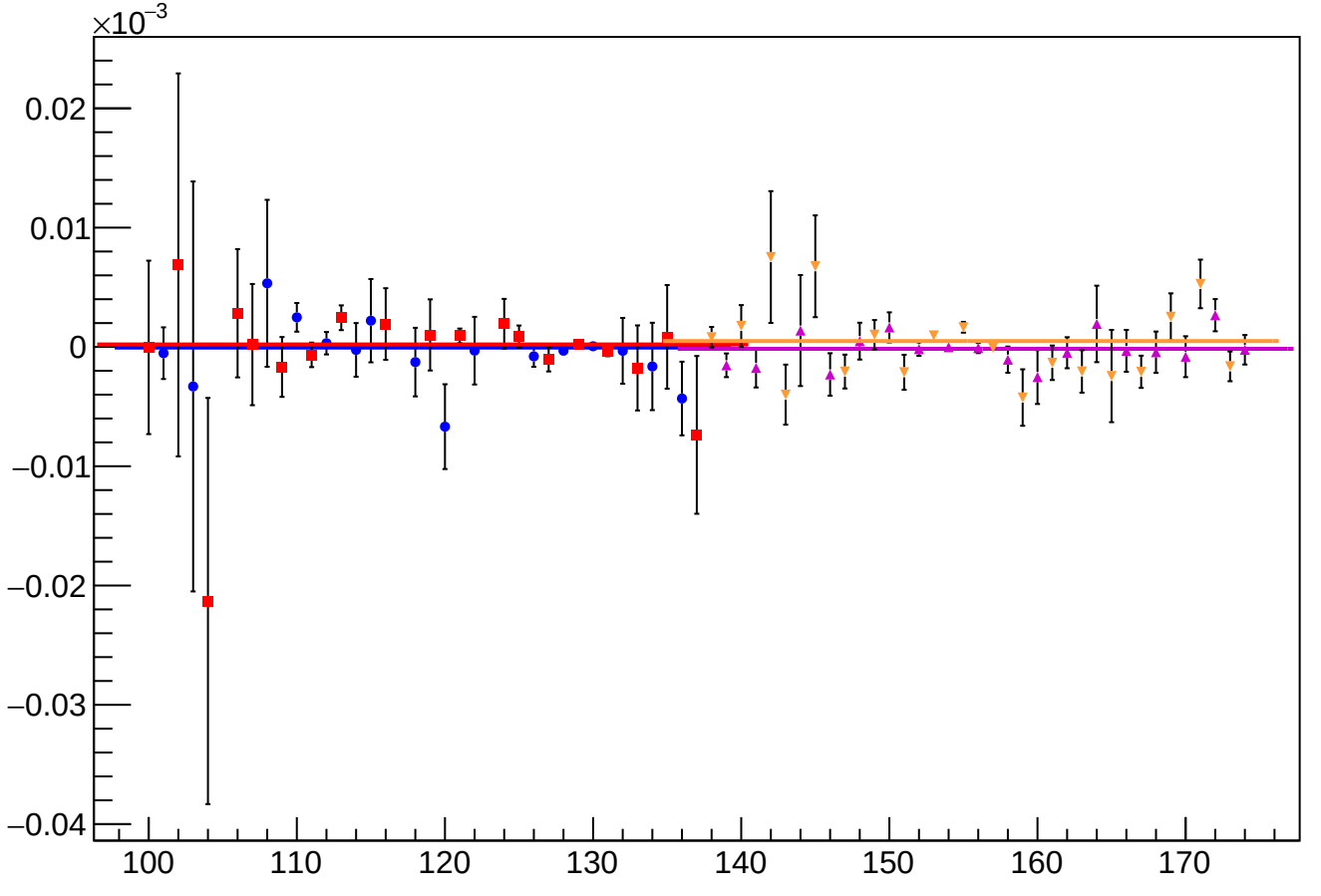
Left: 45.578+/-0.007 χ^2/NDF: 4683102.3/36

Right: 56.948+/-0.013 χ^2/NDF: 6105751.4/34

In: 48.179+/-0.008 χ^2/NDF:4701757.4/33

Out: 47.676+/-0.009 χ^2/NDF:6680284.2/37

All: 47.932+/-0.006 χ^2/NDF: 11383813.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:45.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

Left: 0.000+/-0.000 χ^2/NDF: 64.1/36

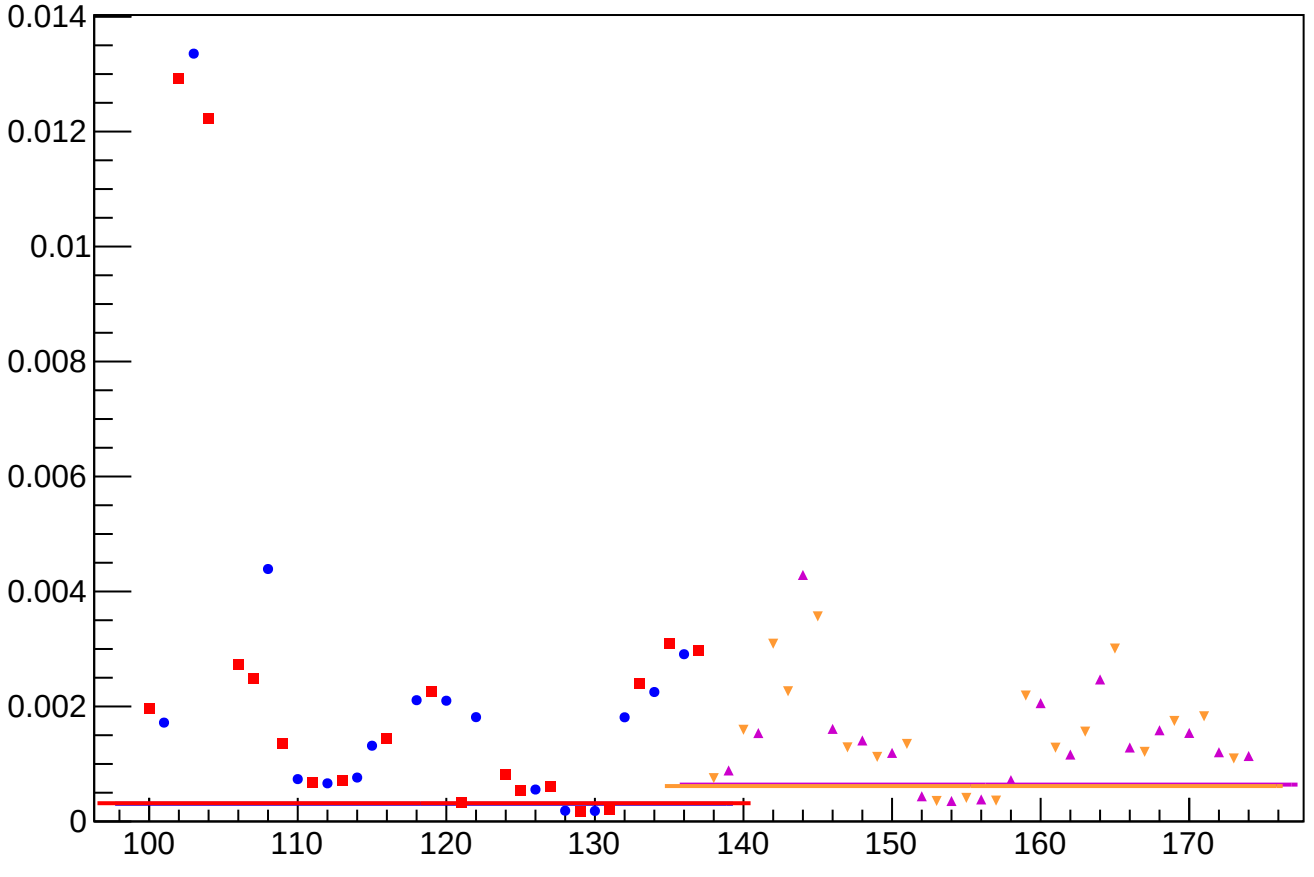
Right: 0.000+/-0.000 χ^2/NDF: 29.4/34

In: -0.000+/-0.000 χ^2/NDF:26.6/33

Out: 0.000+/-0.000 χ^2/NDF:62.2/37

All: 0.000+/-0.000 χ^2/NDF: 93.7/71

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8756212.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:10993233.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 8015537.3/18

Left In: 0.001+/-0.000 χ^2/NDF:9393483.3/17

Left: 0.001+/-0.000 χ^2/NDF: 20401535.0/36

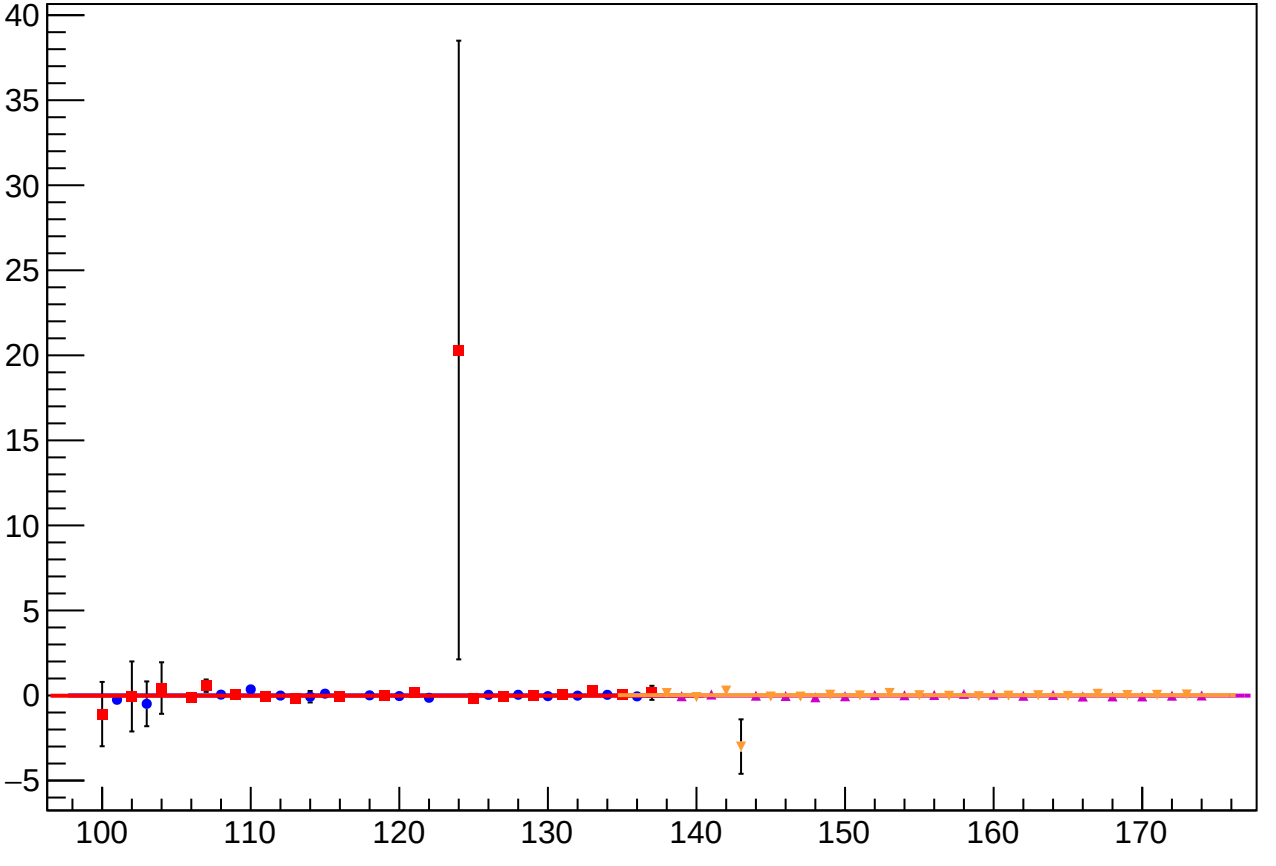
Right: 0.000+/-0.000 χ^2/NDF: 16773891.5/34

In: 0.000+/-0.000 χ^2/NDF:20835009.2/33

Out: 0.000+/-0.000 χ^2/NDF:21268005.8/37

All: 0.000+/-0.000 χ^2/NDF: 42103143.9/71

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

Left: 0.006+/-0.009 χ^2/NDF: 41.7/36

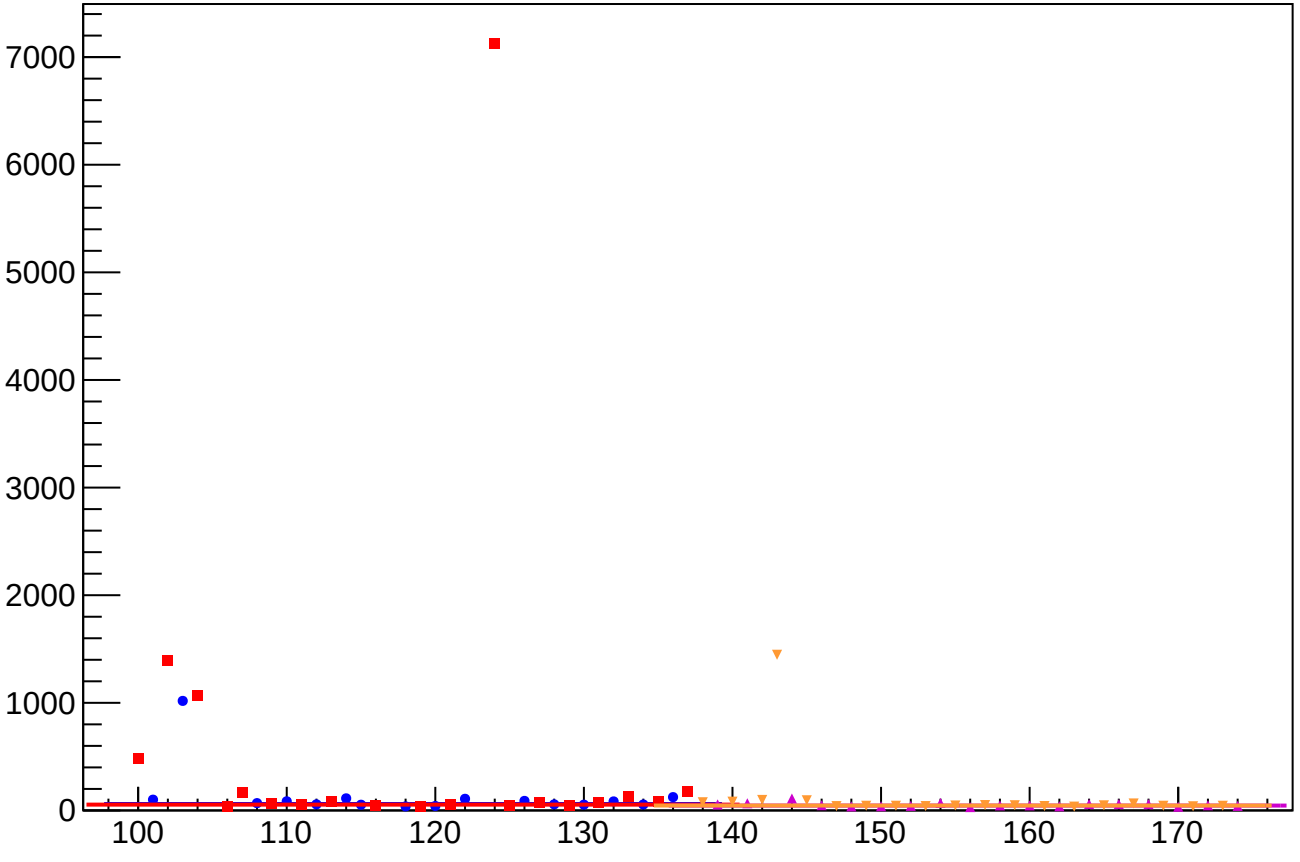
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.008 χ^2/NDF: 71.2/71

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 45.849+/-0.010 χ^2/NDF:2992945.2/18

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

Left: 45.578+/-0.007 χ^2/NDF: 4683090.6/36

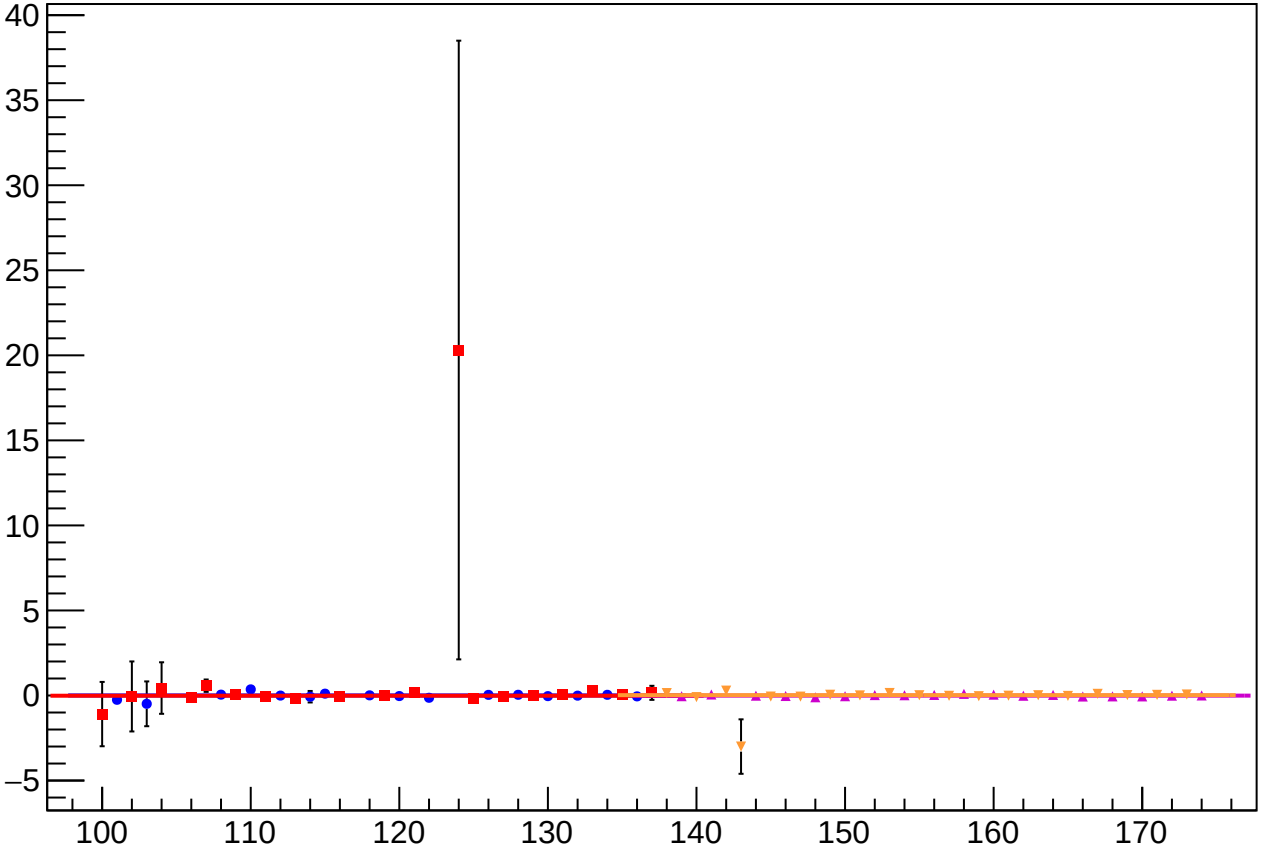
Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.179+/-0.008 χ^2/NDF:4701761.9/33

Out: 47.676+/-0.009 χ^2/NDF:6680281.1/37

All: 47.932+/-0.006 χ^2/NDF: 11383815.3/71

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.027 χ^2/NDF: 11.4/15

Left Out: 0.021+/-0.014 χ^2/NDF:25.0/18

Right Out: -0.013+/-0.026 χ^2/NDF: 17.6/18

Left In: -0.008+/-0.013 χ^2/NDF:14.5/17

Left: 0.006+/-0.009 χ^2/NDF: 41.7/36

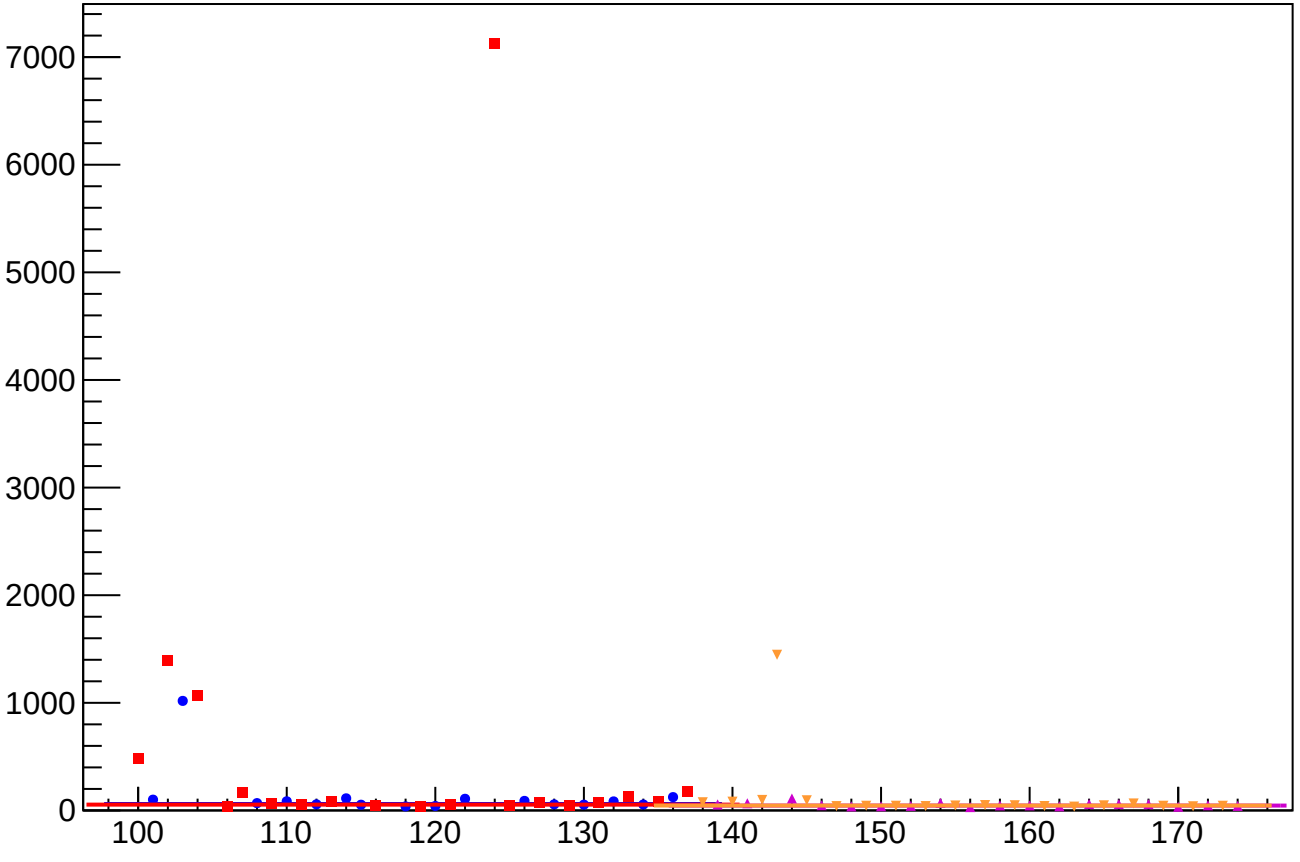
Right: -0.005+/-0.019 χ^2/NDF: 29.2/34

In: -0.005+/-0.012 χ^2/NDF:26.0/33

Out: 0.014+/-0.012 χ^2/NDF:44.0/37

All: 0.004+/-0.008 χ^2/NDF: 71.2/71

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 59.839+/-0.019 χ^2/NDF: 2538881.2/15

Left Out: 45.849+/-0.010 χ^2/NDF:2992945.2/18

Right Out: 54.248+/-0.018 χ^2/NDF: 3521640.4/18

Left In: 45.322+/-0.009 χ^2/NDF:1688603.0/17

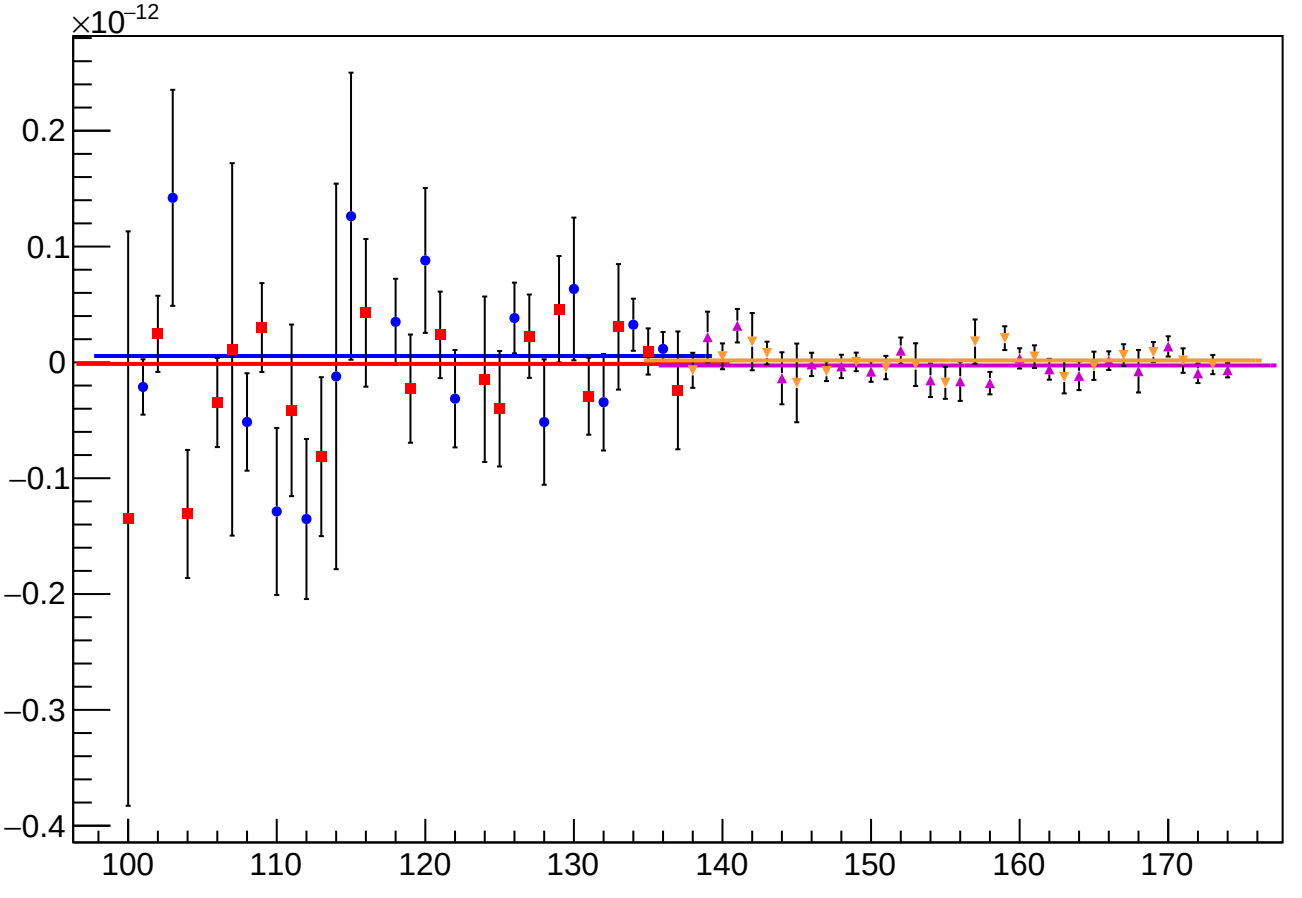
Left: 45.578+/-0.007 χ^2/NDF: 4683090.6/36

Right: 56.947+/-0.013 χ^2/NDF: 6105839.5/34

In: 48.179+/-0.008 χ^2/NDF:4701761.9/33

Out: 47.676+/-0.009 χ^2/NDF:6680281.1/37

All: 47.932+/-0.006 χ^2/NDF: 11383815.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:18.8/17

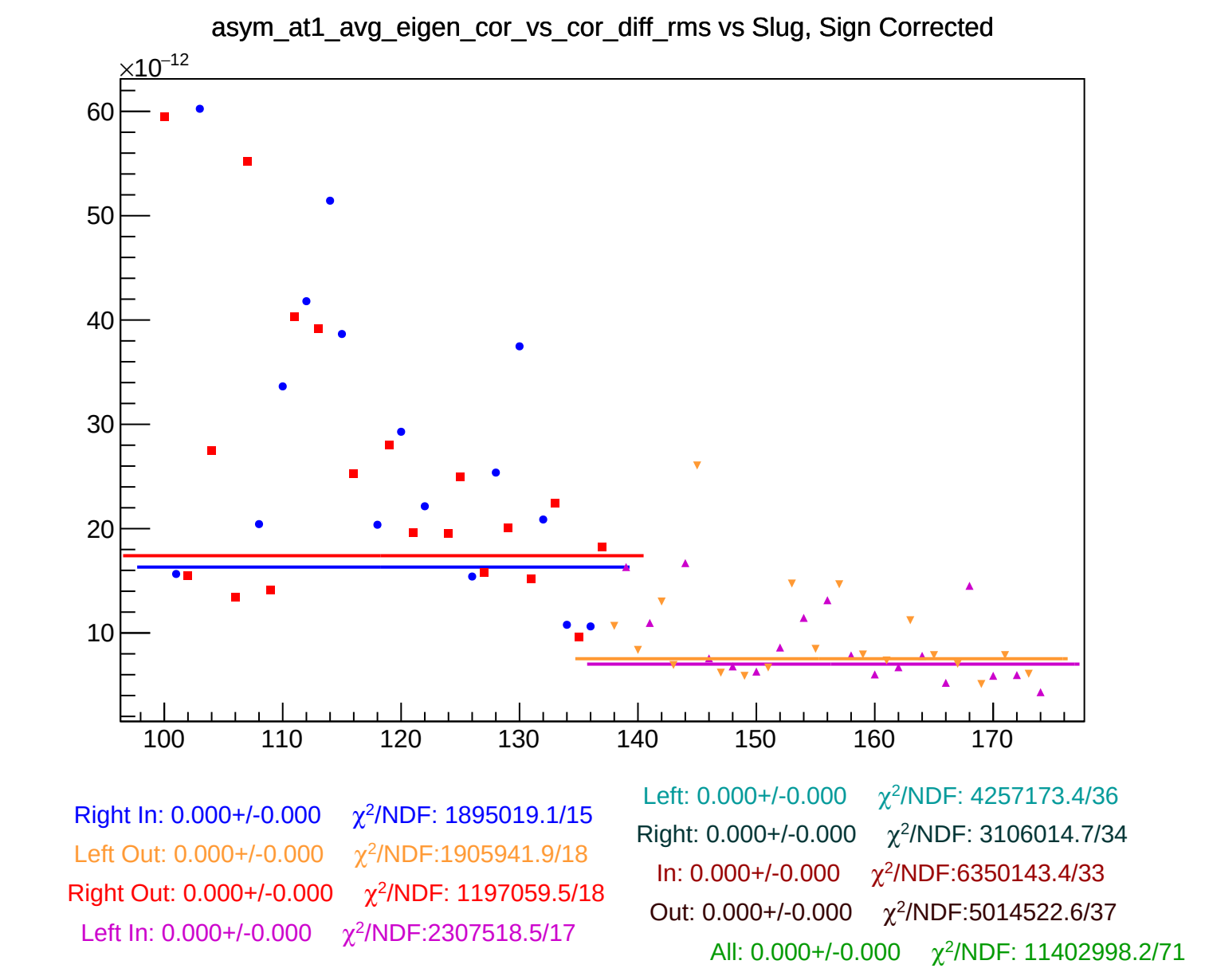
Left: -0.000+/-0.000 χ^2/NDF: 32.1/36

Right: 0.000+/-0.000 χ^2/NDF: 37.2/34

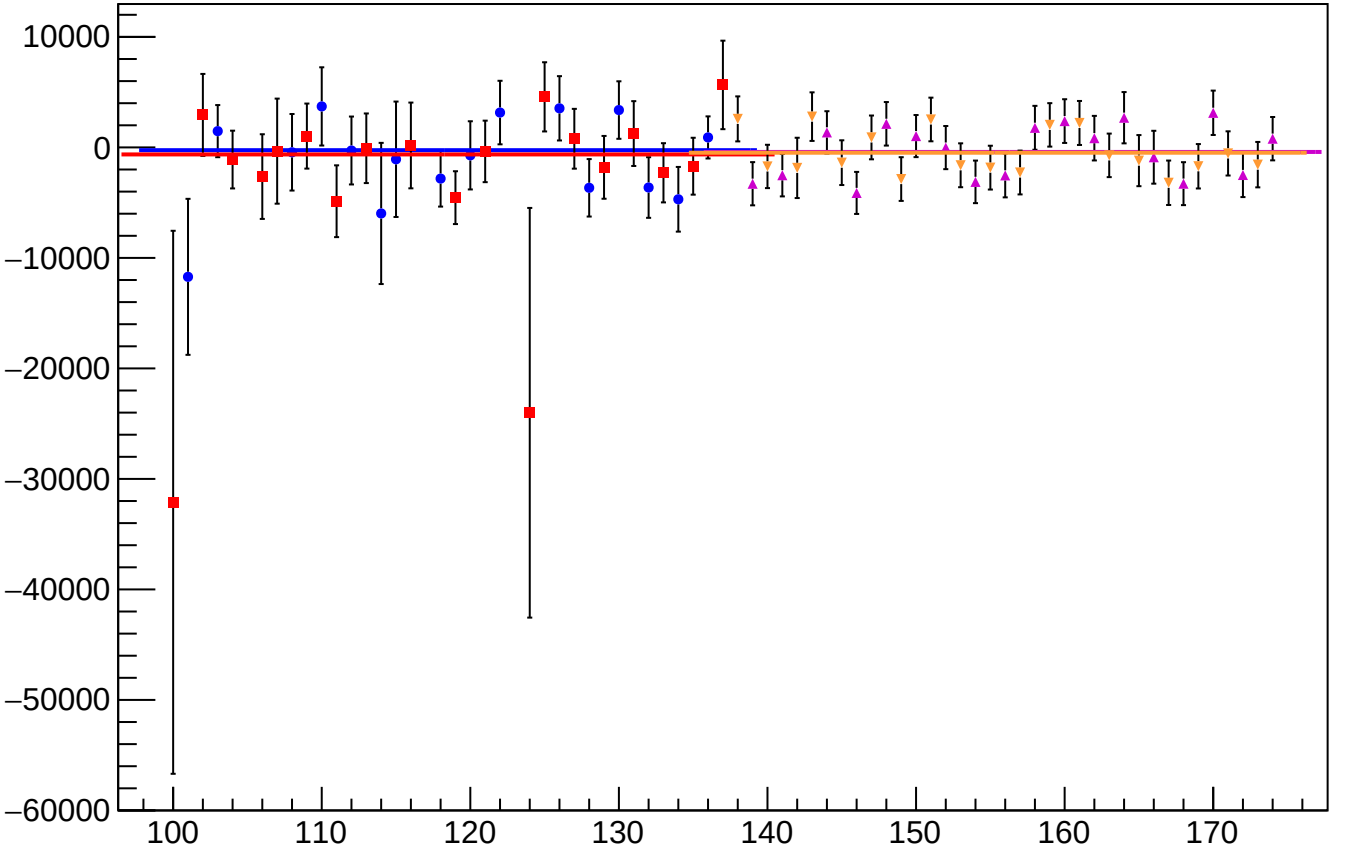
In: -0.000+/-0.000 χ^2/NDF:42.2/33

Out: 0.000+/-0.000 χ^2/NDF:26.2/37

All: -0.000+/-0.000 χ^2/NDF: 69.5/71


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1895019.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1905941.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 1197059.5/18
Left In: 0.000+/-0.000 χ²/NDF:2307518.5/17
Left: 0.000+/-0.000 χ²/NDF: 4257173.4/36
Right: 0.000+/-0.000 χ²/NDF: 3106014.7/34
In: 0.000+/-0.000 χ²/NDF:6350143.4/33
Out: 0.000+/-0.000 χ²/NDF:5014522.6/37
All: 0.000+/-0.000 χ²/NDF: 11402998.2/71

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -251.297+/-735.111 χ^2/NDF: 17.3/15

Left Out: -480.620+/-468.654 χ^2/NDF:17.2/18

Right Out: -636.082+/-735.477 χ^2/NDF: 15.9/18

Left In: -411.000+/-469.417 χ^2/NDF:25.6/17

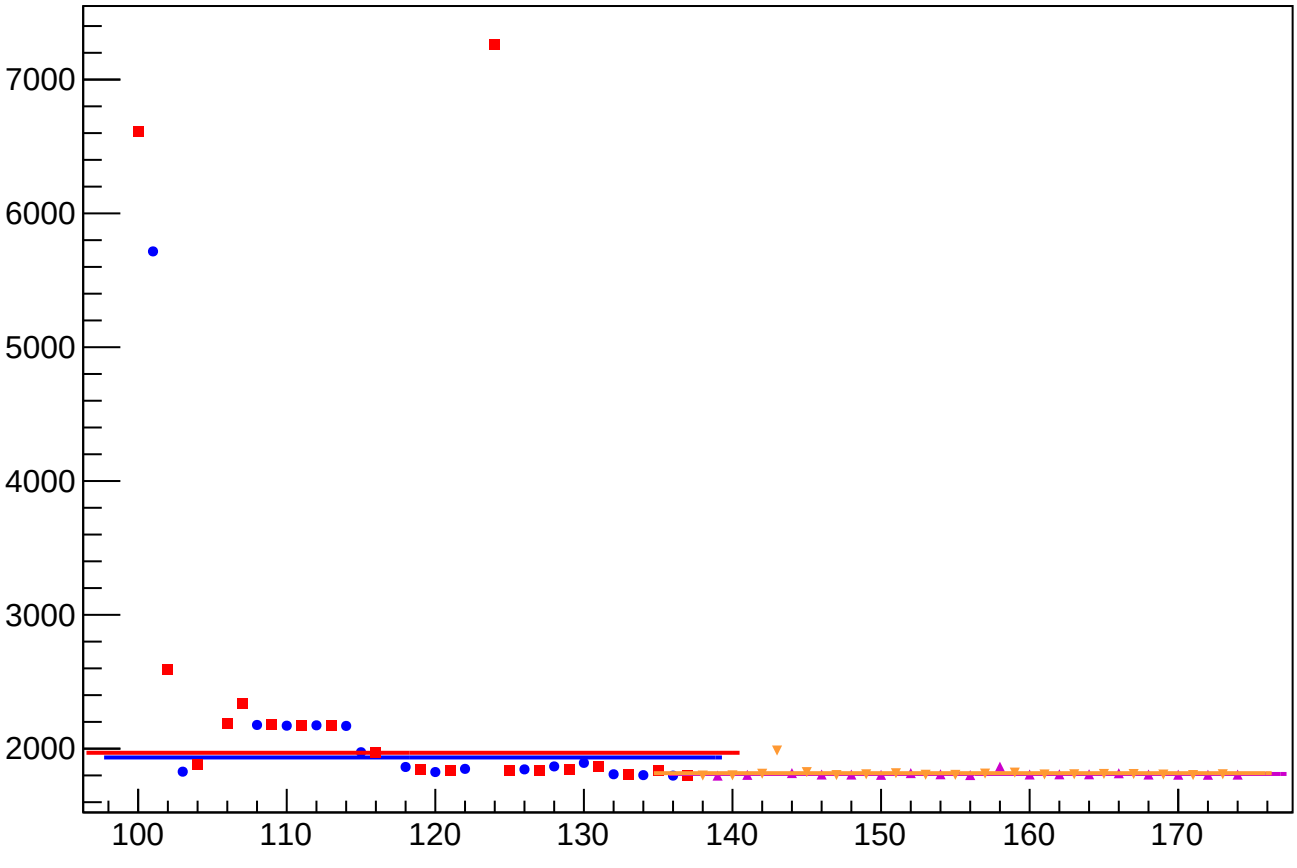
Left: -445.867+/-331.658 χ^2/NDF: 42.8/36

Right: -443.594+/-519.932 χ^2/NDF: 33.3/34

In: -364.741+/-395.634 χ^2/NDF:42.9/33

Out: -525.515+/-395.234 χ^2/NDF:33.2/37

All: -445.209+/-279.614 χ^2/NDF: 76.1/71



Right In: 1934.217+/-0.520 χ^2/NDF: 639920.0/15

Left Out: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1969.204+/-0.520 χ^2/NDF: 378378.8/18

Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

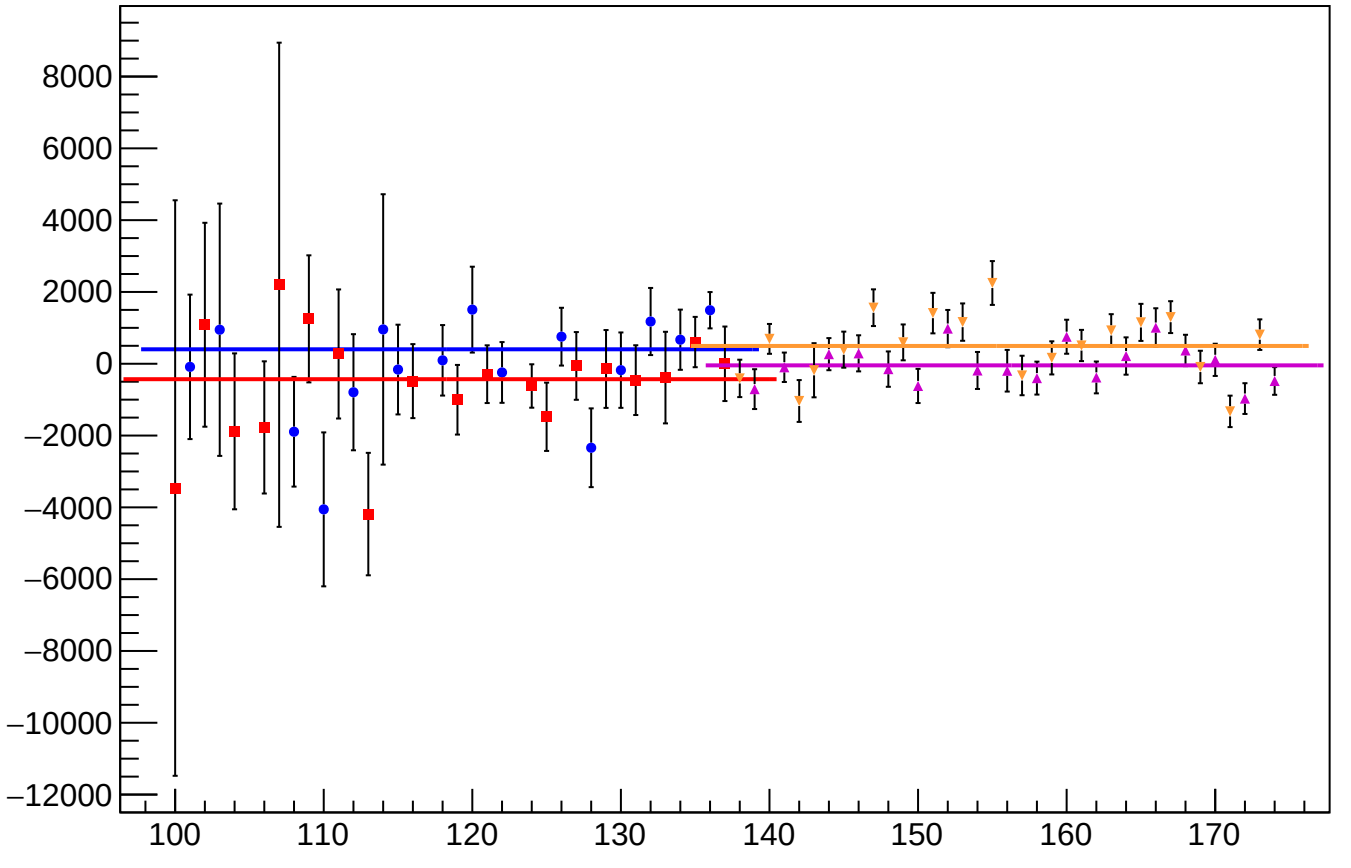
Left: 1813.865+/-0.235 χ^2/NDF: 14730.5/36

Right: 1951.702+/-0.368 χ^2/NDF: 1020563.0/34

In: 1846.612+/-0.280 χ^2/NDF:681707.4/33

Out: 1860.833+/-0.279 χ^2/NDF:452201.9/37

All: 1853.730+/-0.198 χ^2/NDF: 1135202.7/71



Right In: 402.626+/-258.574 χ^2/NDF: 21.1/15

Left Out: 495.780+/-113.181 χ^2/NDF:56.0/18

Right Out: -430.066+/-252.823 χ^2/NDF: 11.7/18

Left In: -44.752+/-111.127 χ^2/NDF:22.9/17

Left: 220.565+/-79.295 χ^2/NDF: 90.5/36

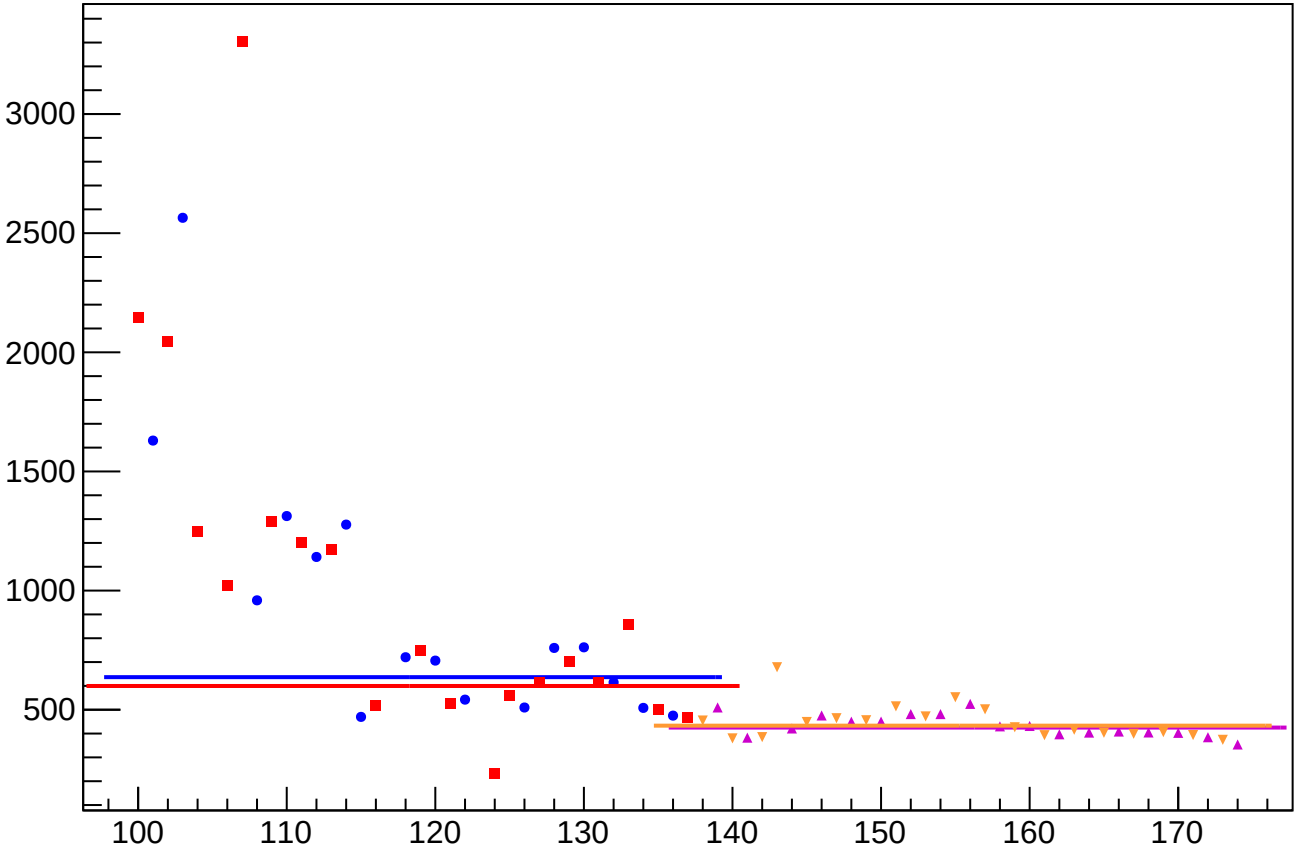
Right: -23.083+/-180.772 χ^2/NDF: 38.2/34

In: 24.996+/-102.098 χ^2/NDF:46.6/33

Out: 341.211+/-103.302 χ^2/NDF:78.9/37

All: 181.249+/-72.616 χ^2/NDF: 130.2/71

asym_at1_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 636.700+/-0.183 χ^2/NDF: 2066891.4/15

Left Out: 433.123+/-0.080 χ^2/NDF:535750.0/18

Right Out: 599.631+/-0.179 χ^2/NDF: 2944100.6/18

Left In: 425.094+/-0.079 χ^2/NDF:314402.4/17

Left: 429.035+/-0.056 χ^2/NDF: 855276.3/36

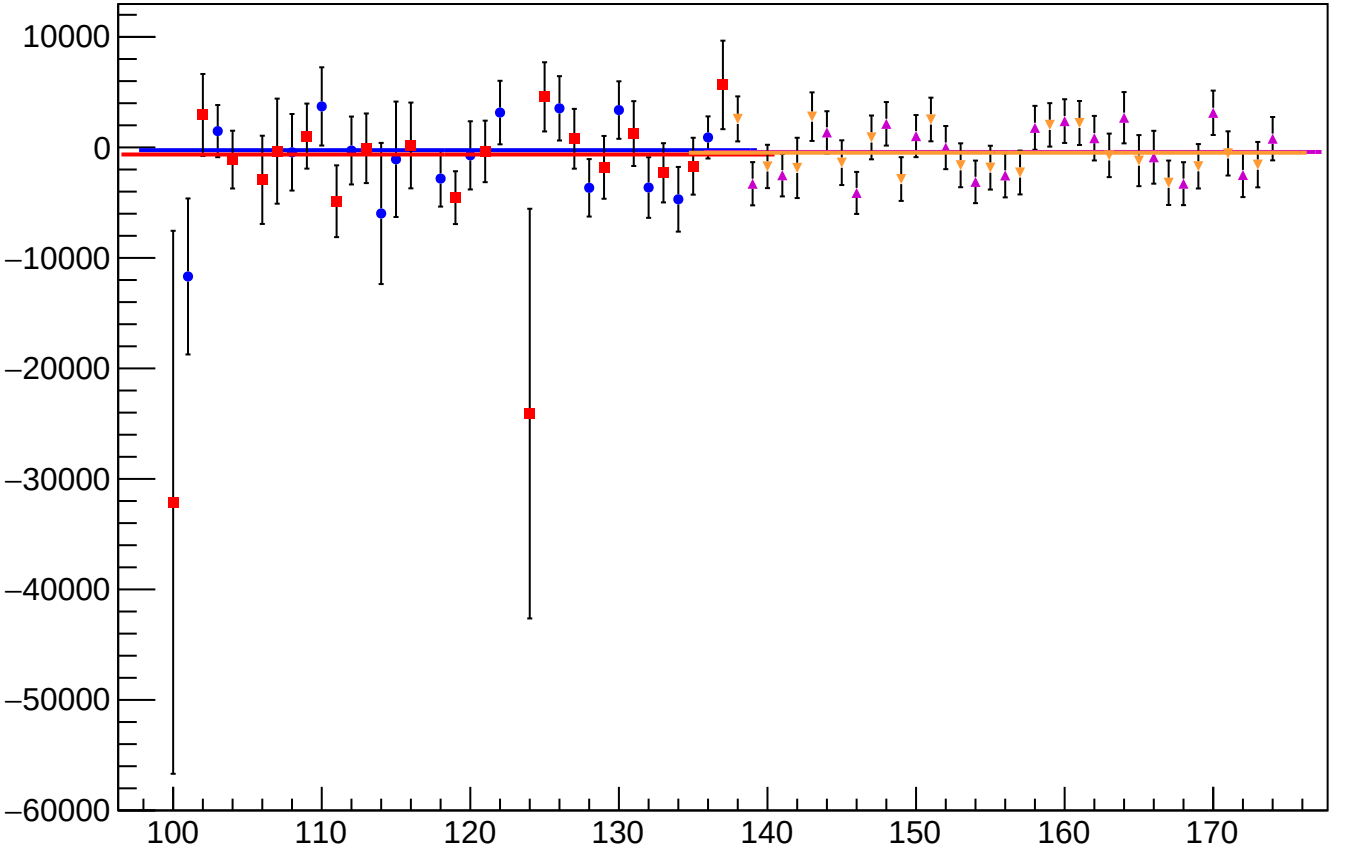
Right: 617.749+/-0.128 χ^2/NDF: 5032005.8/34

In: 458.085+/-0.072 χ^2/NDF:3511887.1/33

Out: 460.921+/-0.073 χ^2/NDF:4202521.2/37

All: 459.486+/-0.051 χ^2/NDF: 7715171.1/71

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -480.638+/-468.654 χ^2/NDF:17.2/18

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -410.995+/-469.417 χ^2/NDF:25.6/17

Left: -445.873+/-331.658 χ^2/NDF: 42.8/36

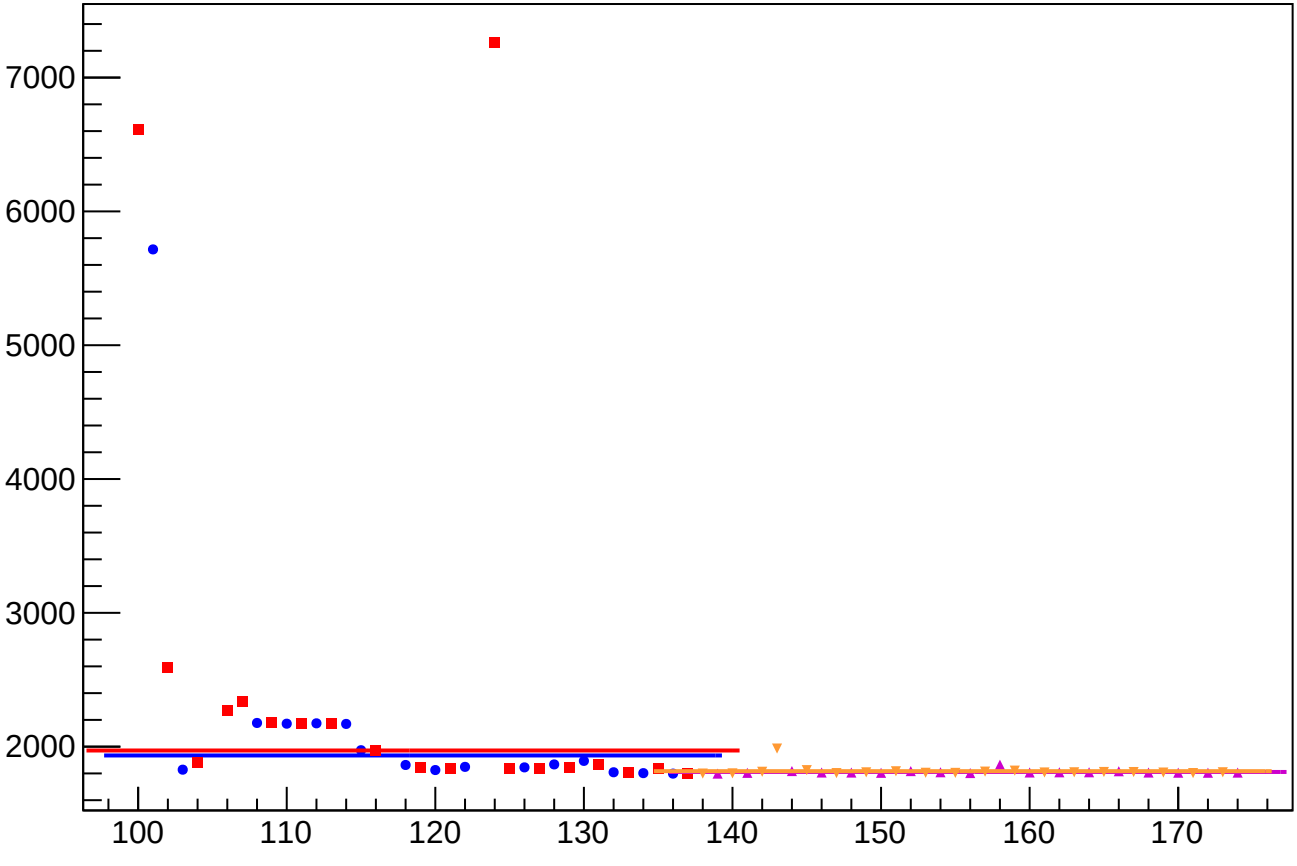
Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -364.503+/-395.634 χ^2/NDF:42.9/33

Out: -526.813+/-395.400 χ^2/NDF:33.2/37

All: -445.706+/-279.673 χ^2/NDF: 76.2/71

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

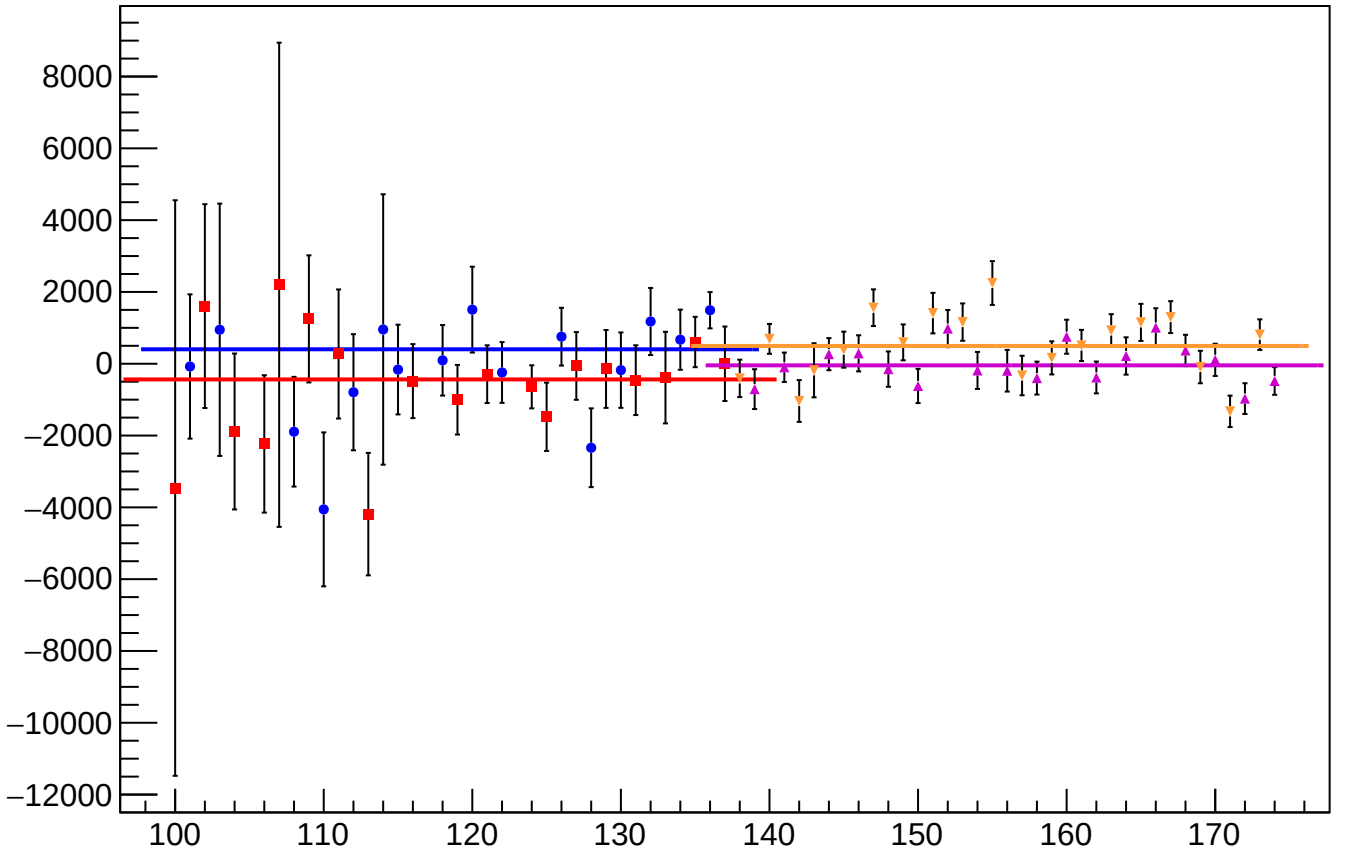
Left: 1813.865+/-0.235 χ^2/NDF: 14730.5/36

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1846.612+/-0.280 χ^2/NDF:681707.3/33

Out: 1861.363+/-0.280 χ^2/NDF:458607.0/37

All: 1853.992+/-0.198 χ^2/NDF: 1141705.2/71



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 495.769+/-113.180 χ^2/NDF:56.0/18

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -44.735+/-111.126 χ^2/NDF:23.0/17

Left: 220.568+/-79.294 χ^2/NDF: 90.5/36

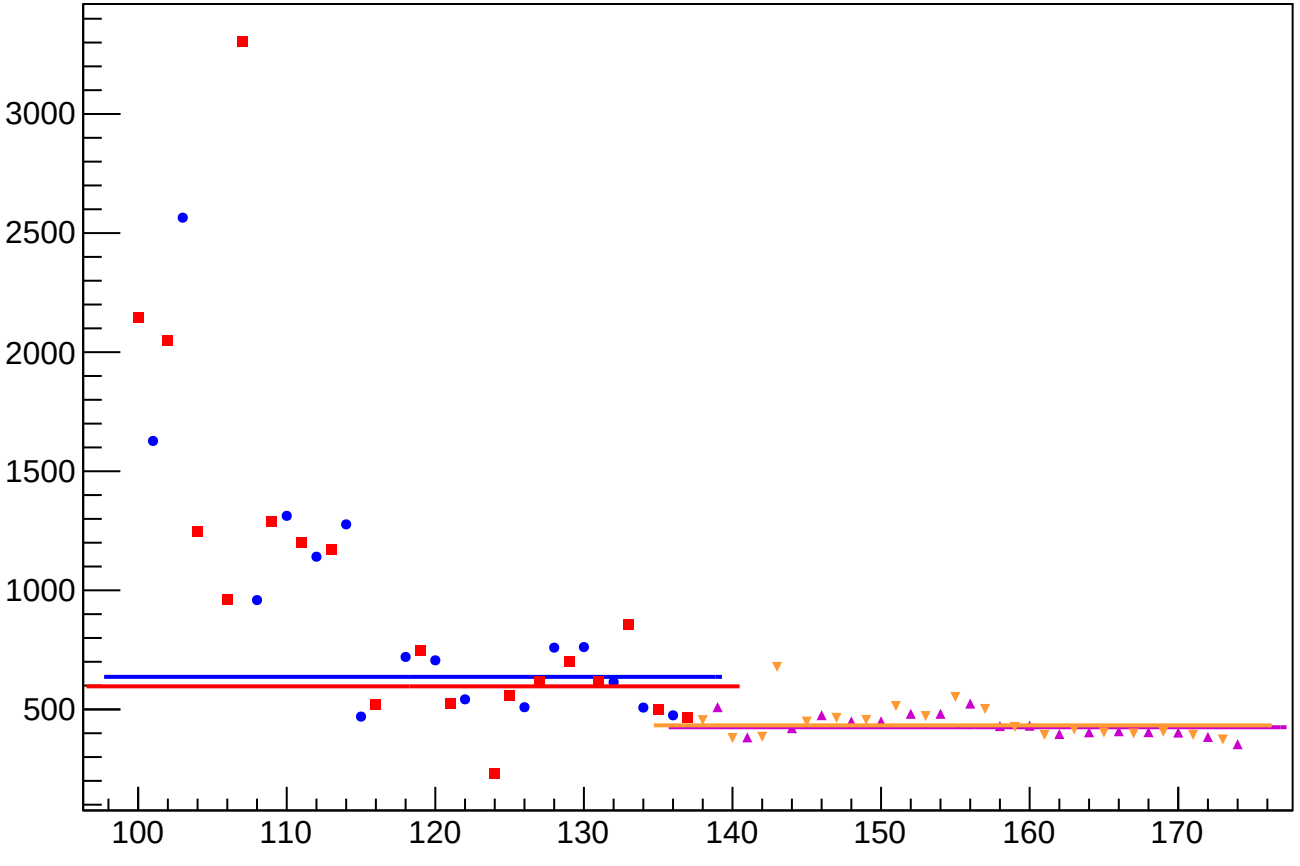
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 25.027+/-102.096 χ^2/NDF:46.6/33

Out: 339.943+/-103.291 χ^2/NDF:79.7/37

All: 180.652+/-72.612 χ^2/NDF: 131.0/71

asym_at1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 636.698+/-0.183 χ^2/NDF: 2066022.1/15

Left Out: 433.119+/-0.080 χ^2/NDF:535779.1/18

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

Left: 429.031+/-0.056 χ^2/NDF: 855330.3/36

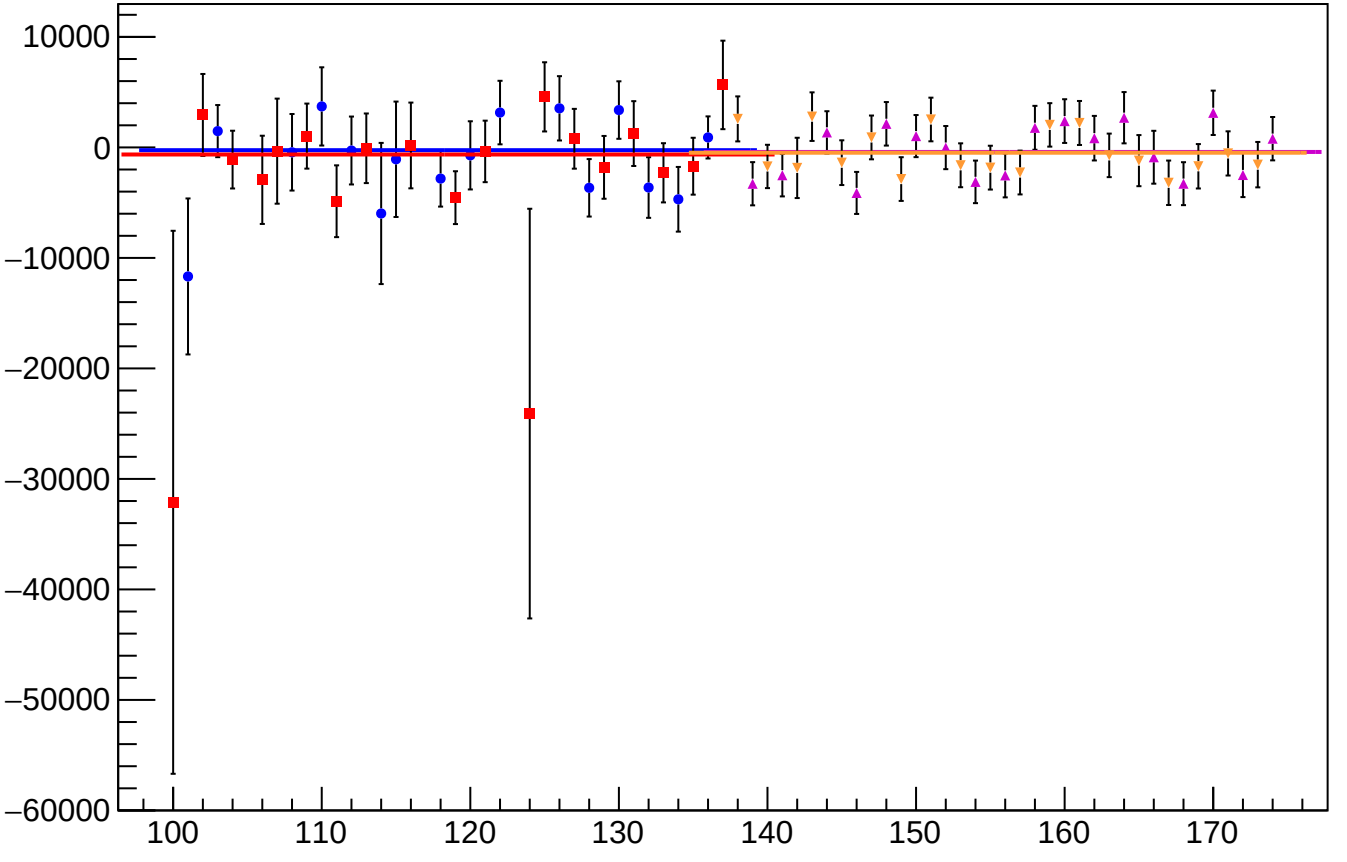
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 458.083+/-0.072 χ^2/NDF:3511144.7/33

Out: 460.483+/-0.073 χ^2/NDF:4165778.9/37

All: 459.269+/-0.051 χ^2/NDF: 7677470.0/71

eigen_cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -250.487+/-735.112 χ^2/NDF: 17.2/15

Left Out: -480.638+/-468.654 χ^2/NDF:17.2/18

Right Out: -640.865+/-736.549 χ^2/NDF: 16.0/18

Left In: -410.995+/-469.417 χ^2/NDF:25.6/17

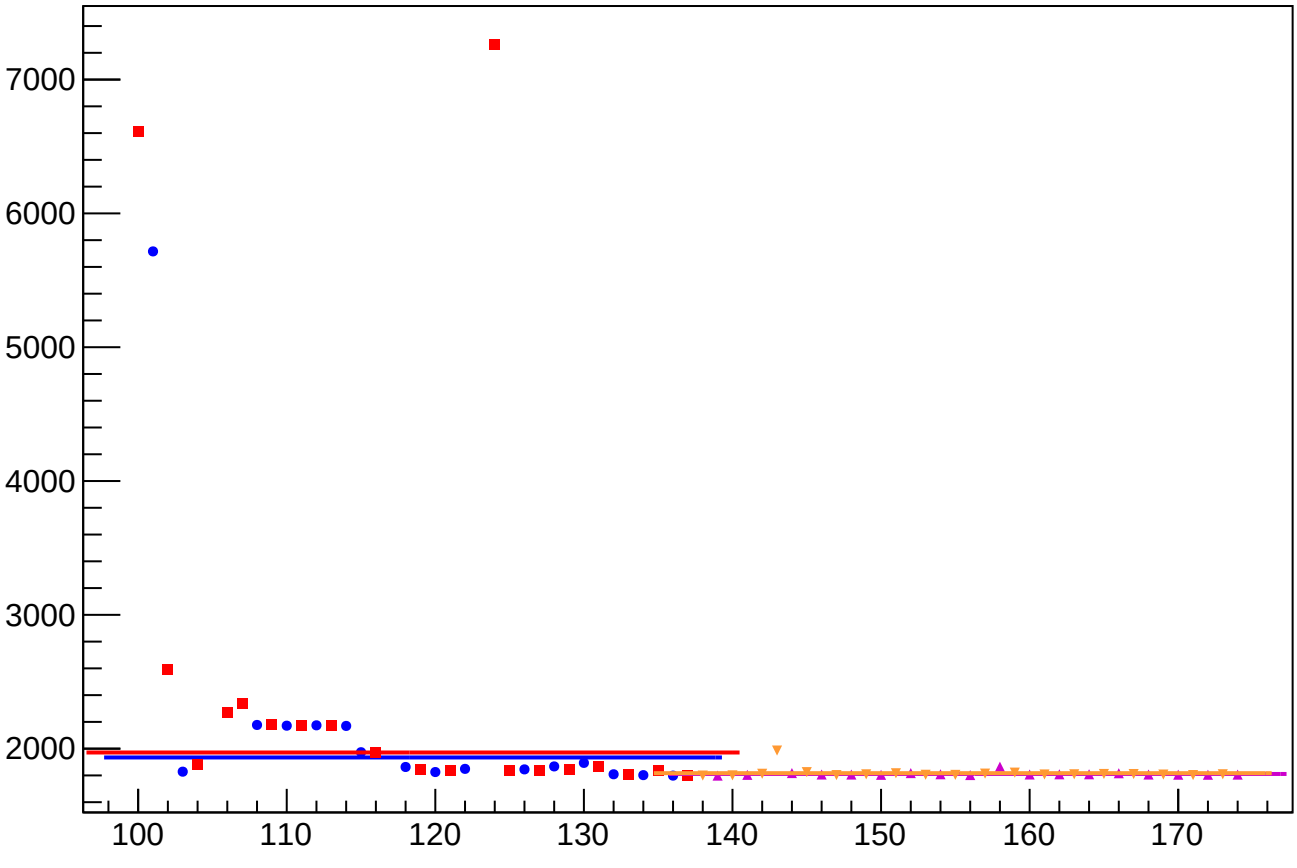
Left: -445.873+/-331.658 χ^2/NDF: 42.8/36

Right: -445.295+/-520.310 χ^2/NDF: 33.3/34

In: -364.503+/-395.634 χ^2/NDF:42.9/33

Out: -526.813+/-395.400 χ^2/NDF:33.2/37

All: -445.706+/-279.673 χ^2/NDF: 76.2/71



Right In: 1934.217+/-0.520 χ^2/NDF: 639919.9/15

Left Out: 1816.830+/-0.331 χ^2/NDF:12768.7/18

Right Out: 1971.357+/-0.521 χ^2/NDF: 383176.6/18

Left In: 1810.890+/-0.332 χ^2/NDF:1801.3/17

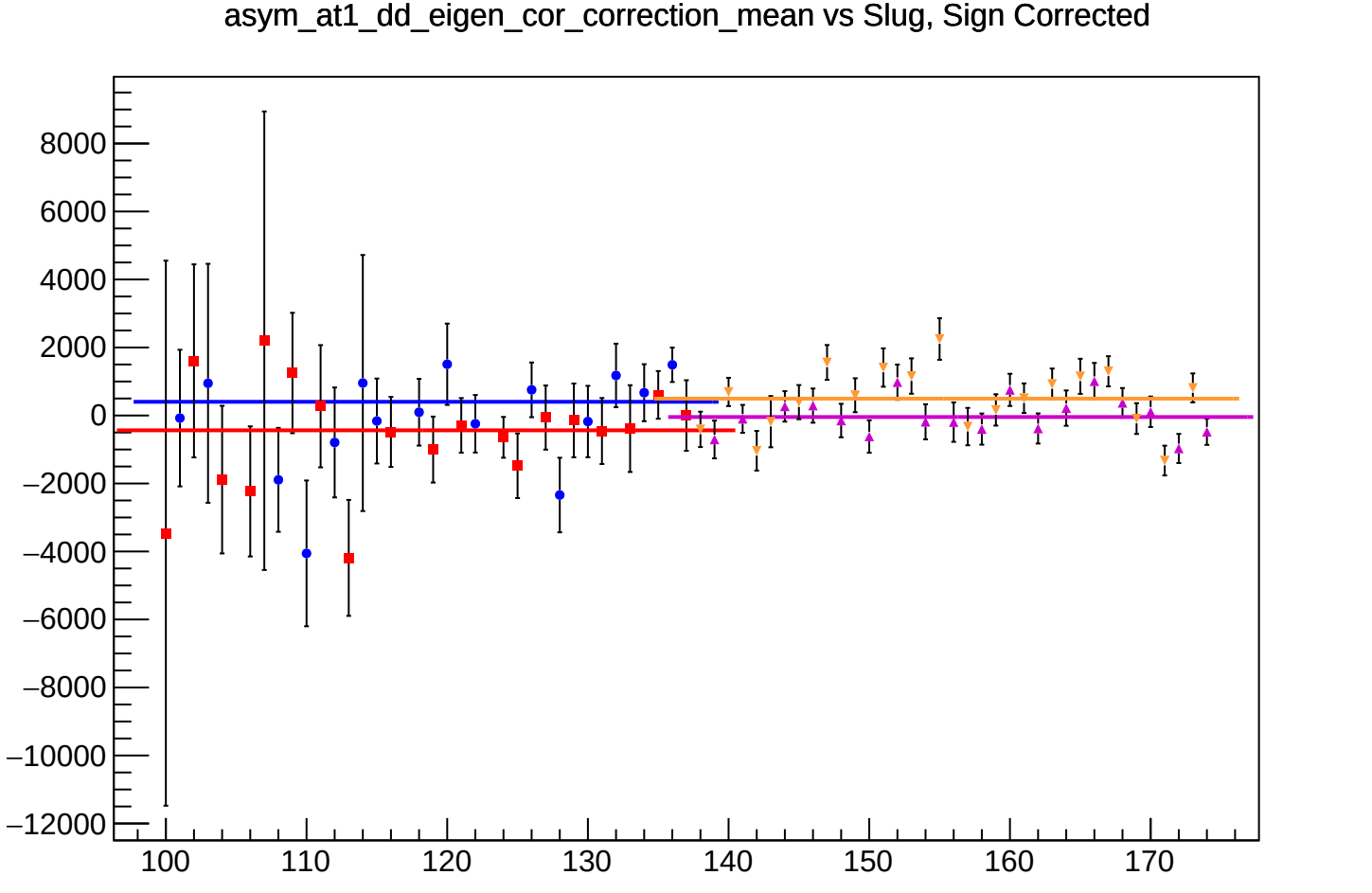
Left: 1813.865+/-0.235 χ^2/NDF: 14730.5/36

Right: 1952.750+/-0.368 χ^2/NDF: 1025644.1/34

In: 1846.612+/-0.280 χ^2/NDF:681707.3/33

Out: 1861.363+/-0.280 χ^2/NDF:458607.0/37

All: 1853.992+/-0.198 χ^2/NDF: 1141705.2/71



Right In: 402.701+/-258.564 χ^2/NDF: 21.1/15

Left Out: 495.769+/-113.180 χ^2/NDF:56.0/18

Right Out: -436.691+/-252.672 χ^2/NDF: 12.4/18

Left In: -44.735+/-111.126 χ^2/NDF:23.0/17

Left: 220.568+/-79.294 χ^2/NDF: 90.5/36

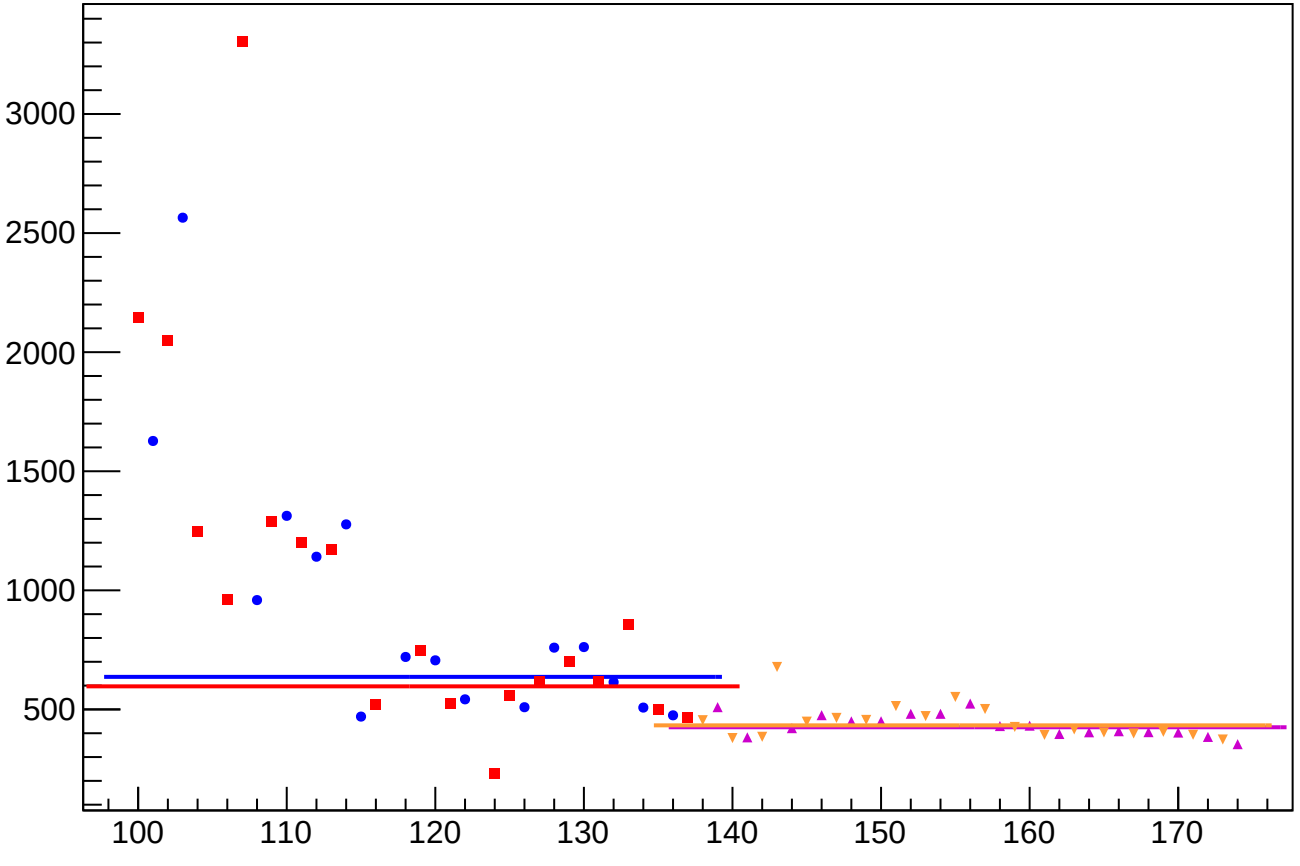
Right: -26.666+/-180.713 χ^2/NDF: 38.9/34

In: 25.027+/-102.096 χ^2/NDF:46.6/33

Out: 339.943+/-103.291 χ^2/NDF:79.7/37

All: 180.652+/-72.612 χ^2/NDF: 131.0/71

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: 433.119+/-0.080 χ^2/NDF:535779.1/18

Right Out: 596.862+/-0.179 χ^2/NDF: 2930443.7/18

Left In: 425.090+/-0.079 χ^2/NDF:314426.2/17

Left: 429.031+/-0.056 χ^2/NDF: 855330.3/36

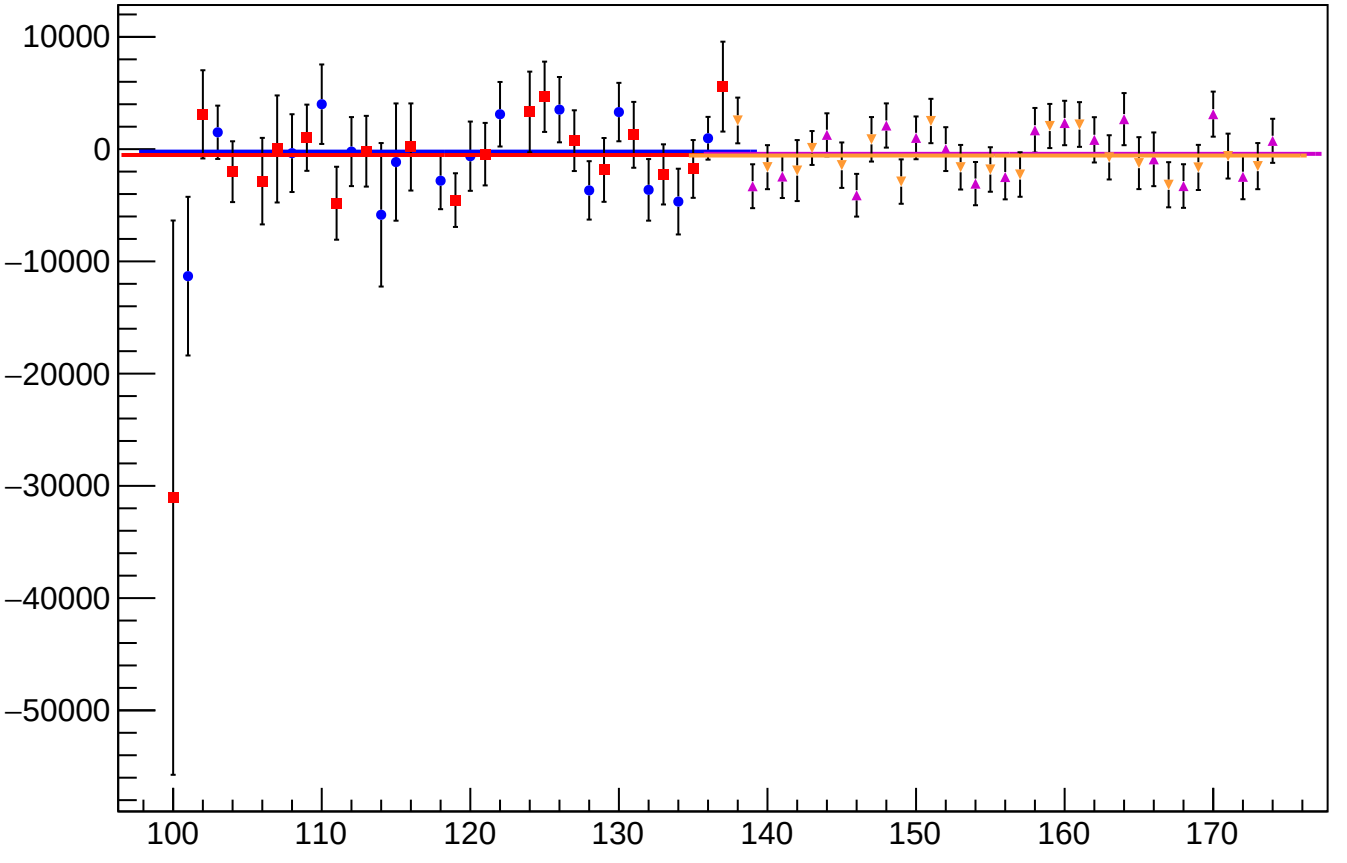
Right: 616.321+/-0.128 χ^2/NDF: 5020749.4/34

In: 458.083+/-0.072 χ^2/NDF:3511144.7/33

Out: 460.483+/-0.073 χ^2/NDF:4165778.9/37

All: 459.269+/-0.051 χ^2/NDF: 7677470.0/71

dit_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -220.393+/-735.888 χ^2/NDF: 17.1/15

Left Out: -567.681+/-457.242 χ^2/NDF:15.0/18

Right Out: -520.265+/-724.980 χ^2/NDF: 15.6/18

Left In: -418.990+/-469.572 χ^2/NDF:25.0/17

Left: -495.313+/-327.591 χ^2/NDF: 40.0/36

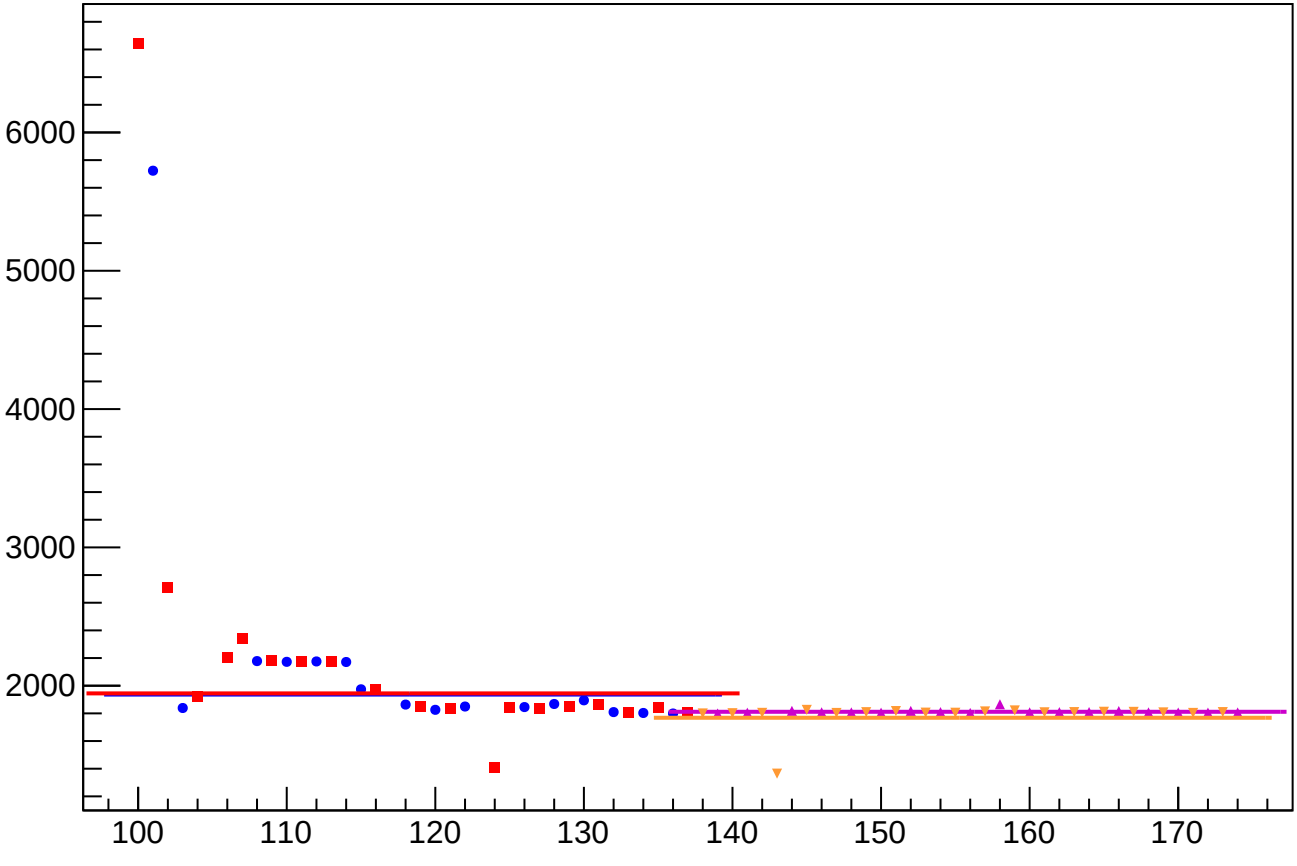
Right: -372.568+/-516.452 χ^2/NDF: 32.8/34

In: -361.525+/-395.848 χ^2/NDF:42.1/33

Out: -554.187+/-386.747 χ^2/NDF:30.6/37

All: -460.096+/-276.633 χ^2/NDF: 72.8/71

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1768.269+/-0.323 χ^2/NDF:158052.1/18

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.6/18

Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

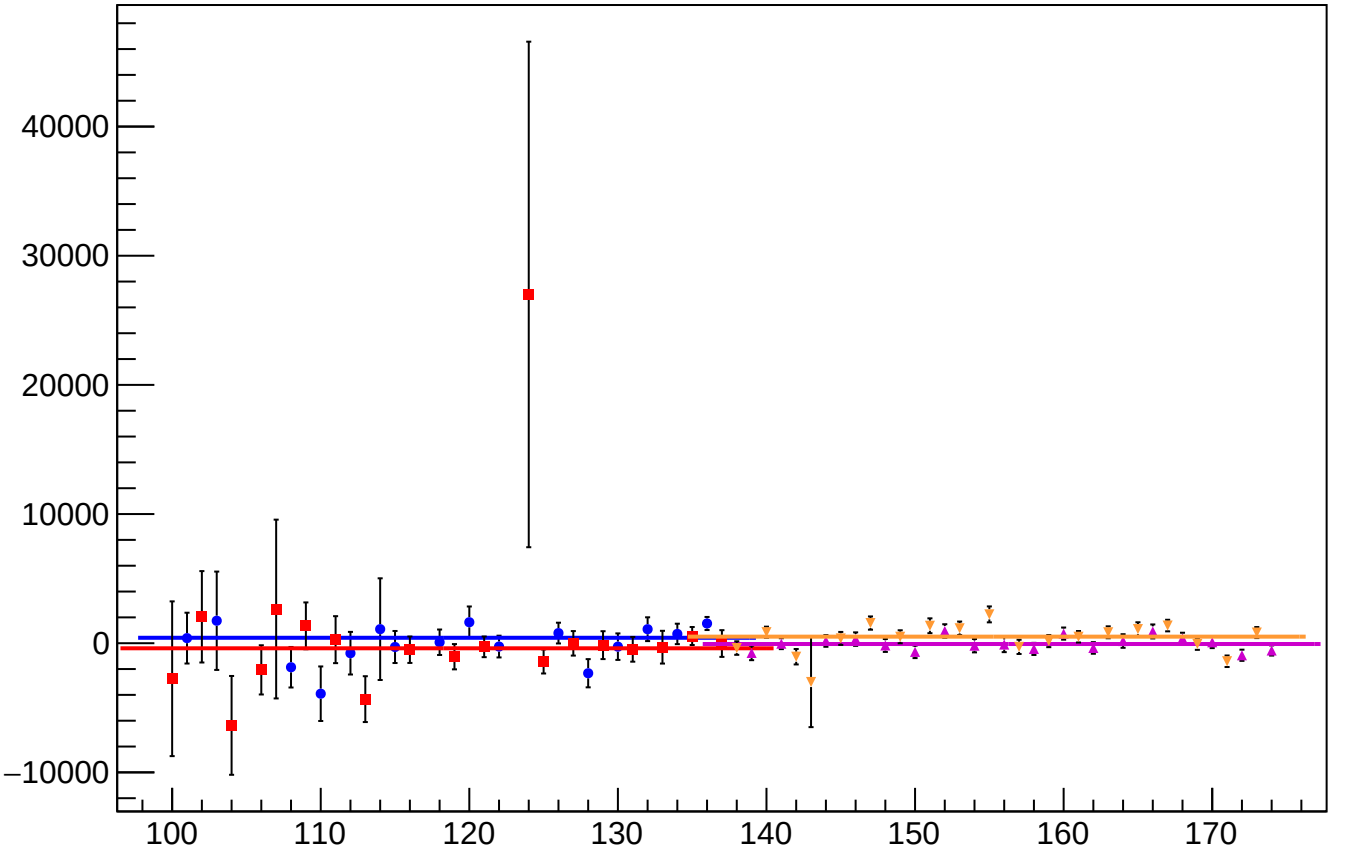
Left: 1789.304+/-0.232 χ^2/NDF: 168546.7/36

Right: 1940.298+/-0.365 χ^2/NDF: 916167.7/34

In: 1847.509+/-0.280 χ^2/NDF:682277.8/33

Out: 1818.419+/-0.273 χ^2/NDF:518819.0/37

All: 1832.626+/-0.196 χ^2/NDF: 1206622.9/71



Right In: 421.145+/-256.749 χ^2/NDF: 21.5/15

Left Out: 508.212+/-115.973 χ^2/NDF:55.4/18

Right Out: -393.590+/-279.562 χ^2/NDF: 15.9/18

Left In: -61.737+/-112.730 χ^2/NDF:21.9/17

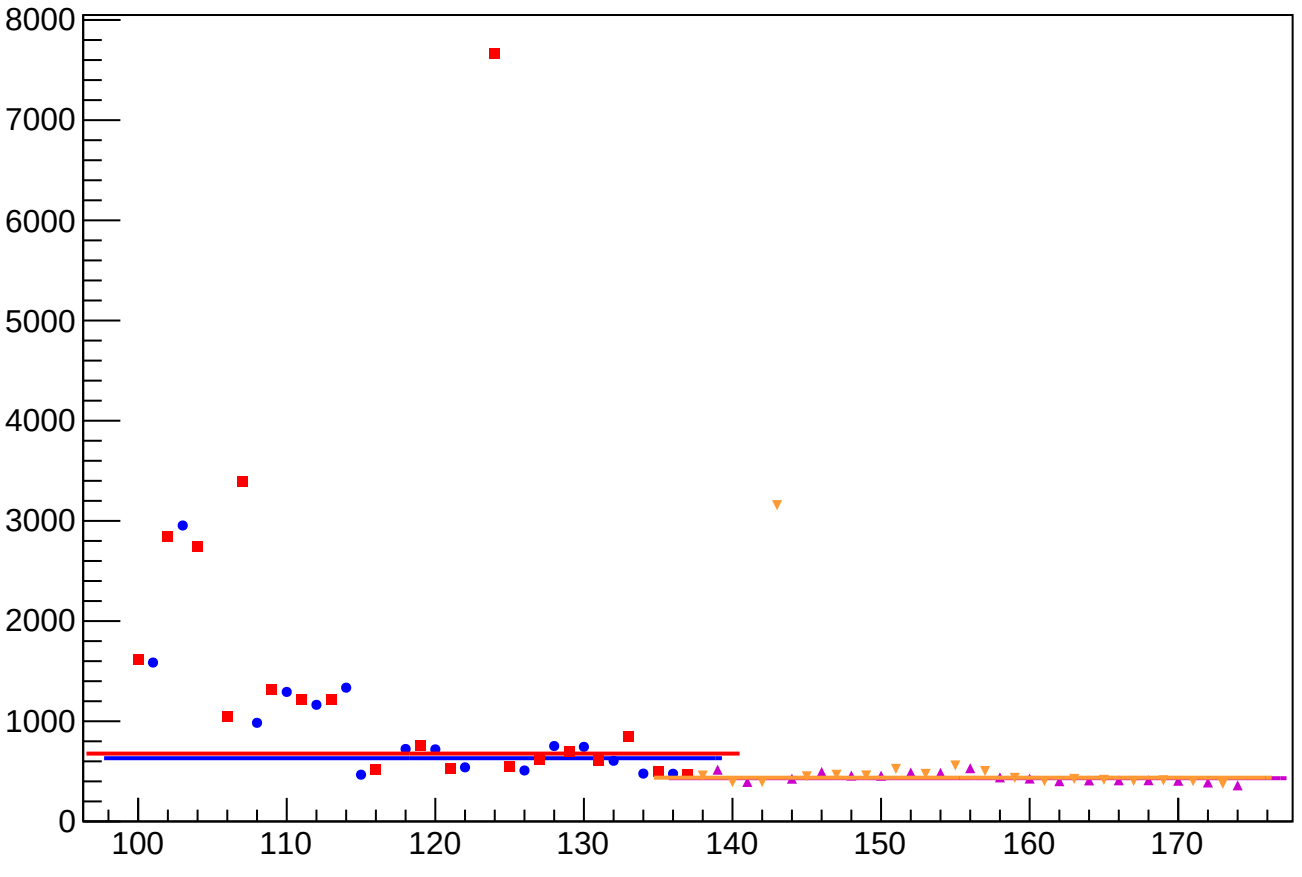
Left: 215.157+/-80.834 χ^2/NDF: 89.7/36

Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 16.308+/-103.219 χ^2/NDF:46.3/33

Out: 375.807+/-107.121 χ^2/NDF:80.1/37

All: 189.389+/-74.328 χ^2/NDF: 132.3/71



Right In: 631.140+/-0.182 χ^2/NDF: 2234480.1/15

Left Out: 436.919+/-0.082 χ^2/NDF:1511323.0/18

Right Out: 677.438+/-0.198 χ^2/NDF: 3081569.8/18

Left In: 431.682+/-0.080 χ^2/NDF:315178.4/17

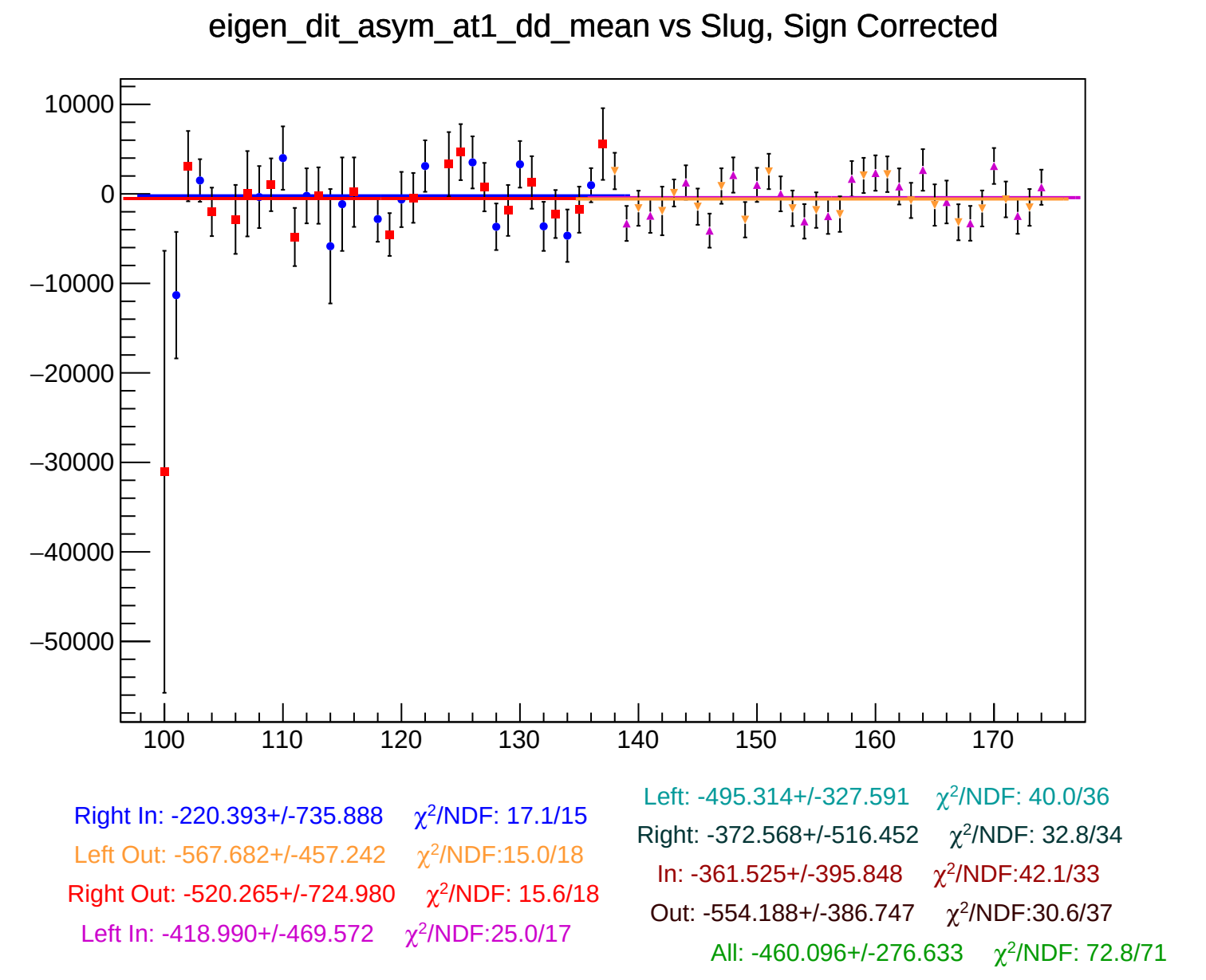
Left: 434.226+/-0.057 χ^2/NDF: 1828598.6/36

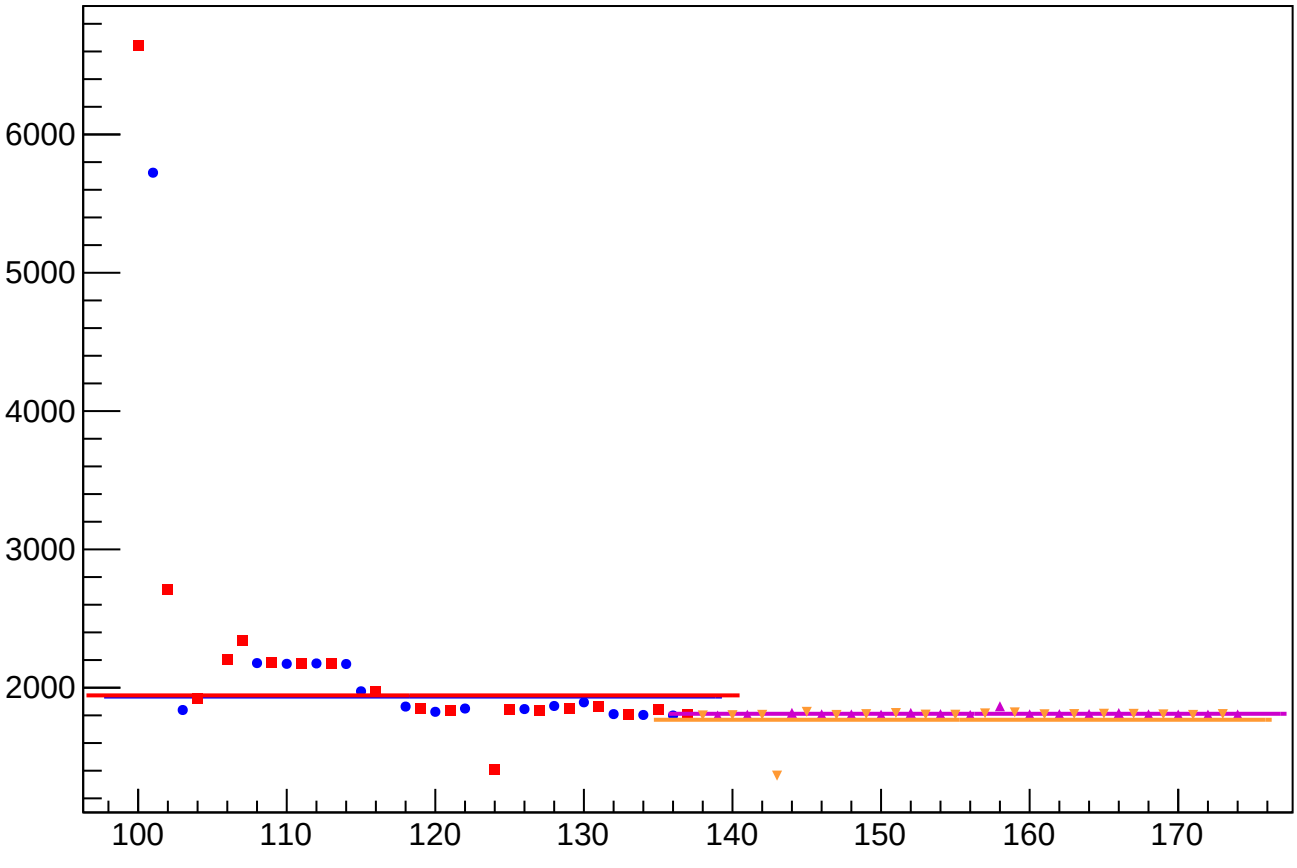
Right: 652.323+/-0.134 χ^2/NDF: 5345805.1/34

In: 463.919+/-0.073 χ^2/NDF:3561595.8/33

Out: 472.233+/-0.076 χ^2/NDF:5855906.4/37

All: 467.922+/-0.053 χ^2/NDF: 9423749.9/71


eigen_dit_asym_at1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -220.393+/-735.888 χ²/NDF: 17.1/15
Left Out: -567.682+/-457.242 χ²/NDF:15.0/18
Right Out: -520.265+/-724.980 χ²/NDF: 15.6/18
Left In: -418.990+/-469.572 χ²/NDF:25.0/17
Left: -495.314+/-327.591 χ²/NDF: 40.0/36
Right: -372.568+/-516.452 χ²/NDF: 32.8/34
In: -361.525+/-395.848 χ²/NDF:42.1/33
Out: -554.188+/-386.747 χ²/NDF:30.6/37
All: -460.096+/-276.633 χ²/NDF: 72.8/71



Right In: 1935.974+/-0.520 χ^2/NDF: 639808.0/15

Left Out: 1768.269+/-0.323 χ^2/NDF:158052.1/18

Right Out: 1944.495+/-0.513 χ^2/NDF: 276223.5/18

Left In: 1811.489+/-0.332 χ^2/NDF:1797.8/17

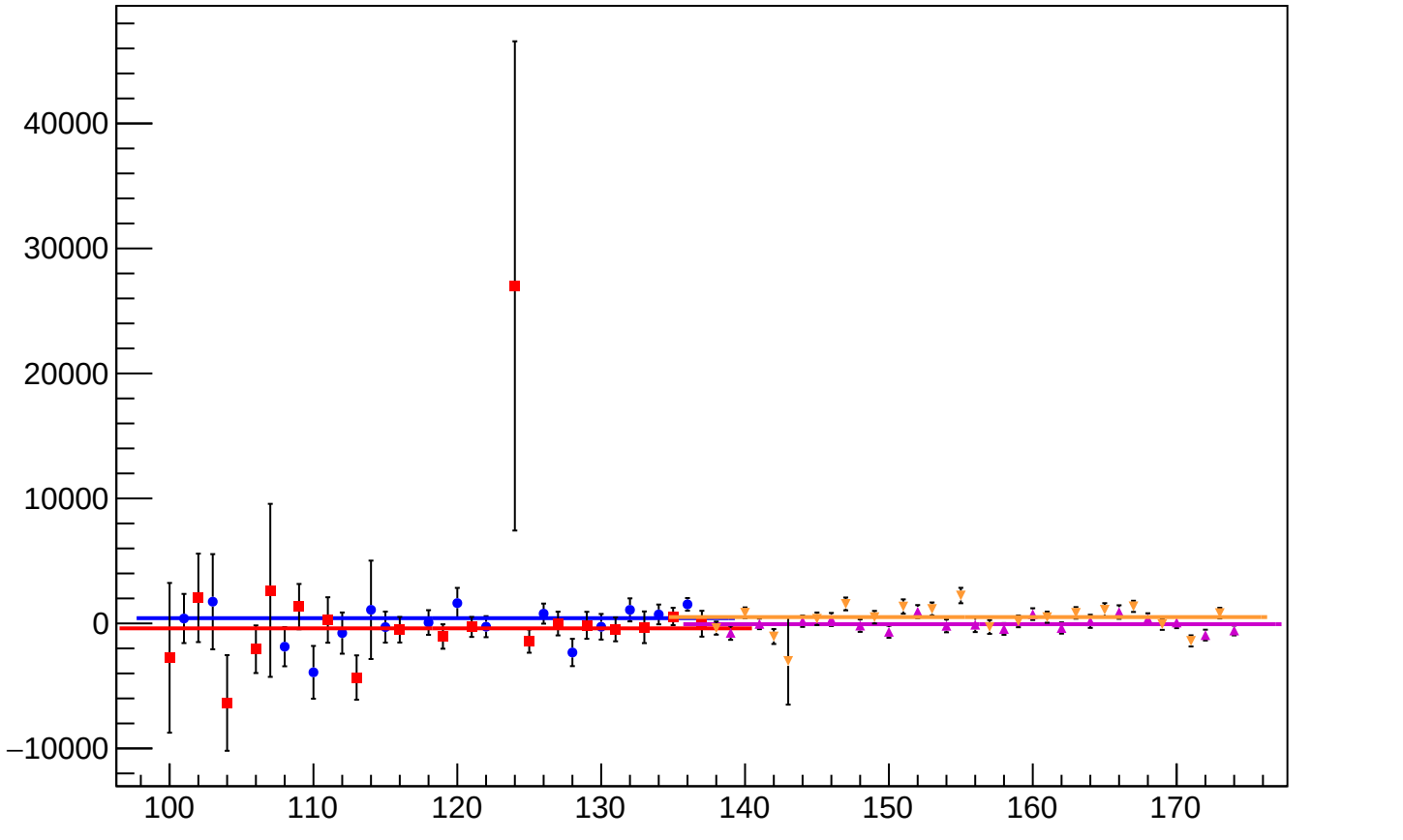
Left: 1789.304+/-0.232 χ^2/NDF: 168546.7/36

Right: 1940.298+/-0.365 χ^2/NDF: 916167.5/34

In: 1847.509+/-0.280 χ^2/NDF:682277.8/33

Out: 1818.419+/-0.273 χ^2/NDF:518818.8/37

All: 1832.626+/-0.196 χ^2/NDF: 1206622.7/71



Right In: 421.144+/-256.749 χ^2/NDF: 21.5/15

Left Out: 508.212+/-115.973 χ^2/NDF:55.4/18

Right Out: -393.591+/-279.562 χ^2/NDF: 15.9/18

Left In: -61.736+/-112.730 χ^2/NDF:21.9/17

Left: 215.158+/-80.834 χ^2/NDF: 89.7/36

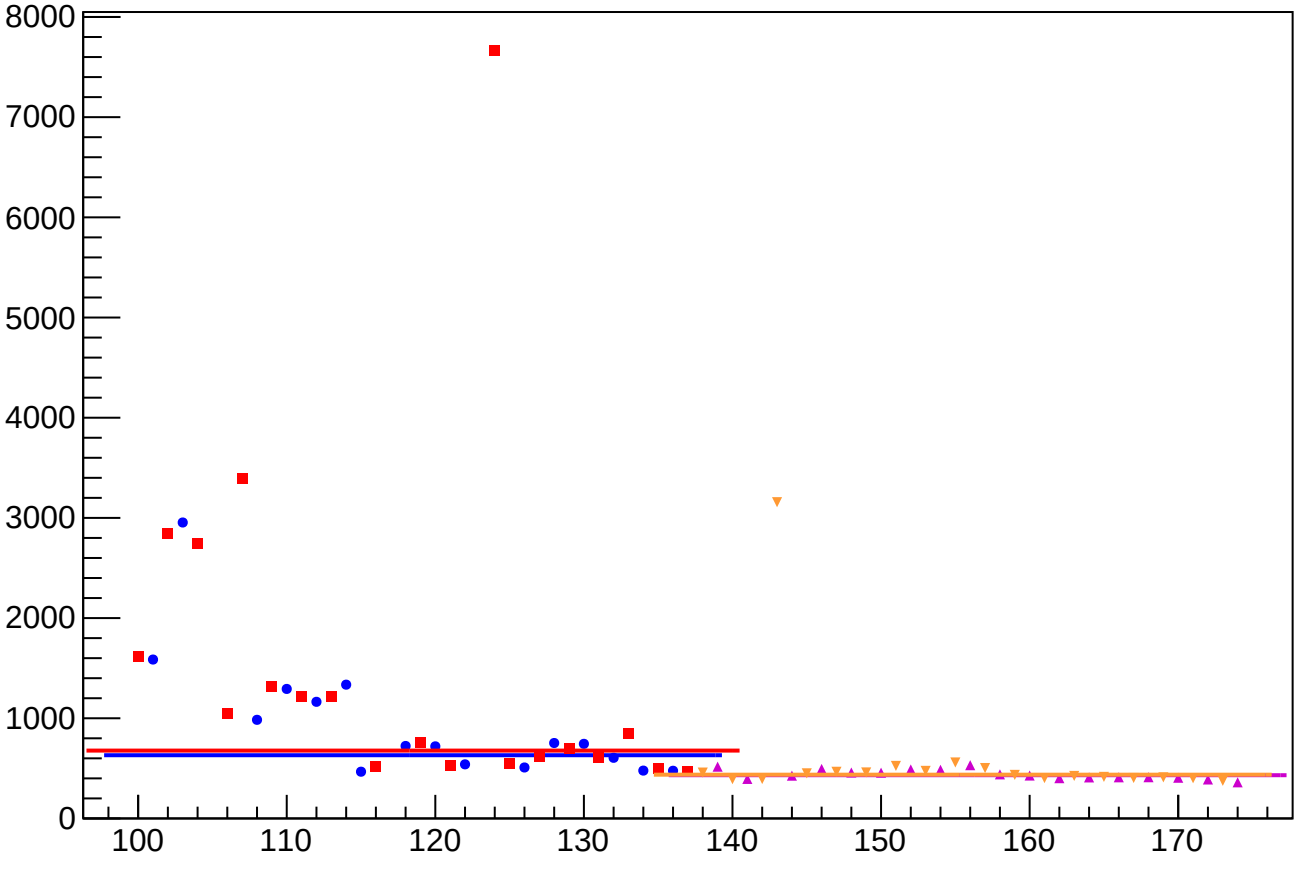
Right: 48.371+/-189.101 χ^2/NDF: 41.9/34

In: 16.308+/-103.219 χ^2/NDF:46.3/33

Out: 375.806+/-107.121 χ^2/NDF:80.1/37

All: 189.390+/-74.328 χ^2/NDF: 132.3/71

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.139+/-0.182 χ^2/NDF: 2234479.1/15

Left Out: 436.919+/-0.082 χ^2/NDF:1511324.4/18

Right Out: 677.437+/-0.198 χ^2/NDF: 3081570.5/18

Left In: 431.682+/-0.080 χ^2/NDF:315181.4/17

Left: 434.226+/-0.057 χ^2/NDF: 1828603.0/36

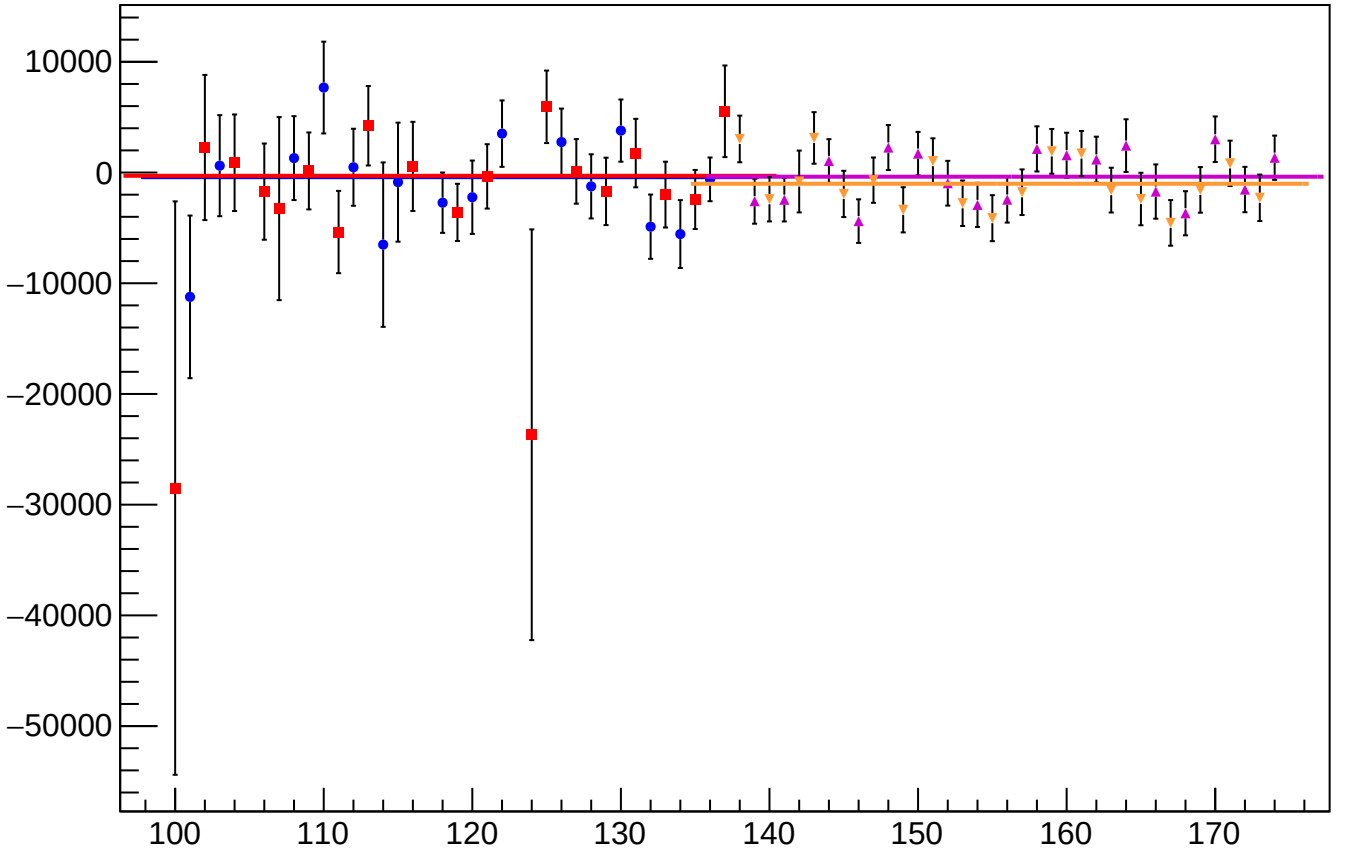
Right: 652.323+/-0.134 χ^2/NDF: 5345804.8/34

In: 463.918+/-0.073 χ^2/NDF:3561598.2/33

Out: 472.233+/-0.076 χ^2/NDF:5855909.8/37

All: 467.921+/-0.053 χ^2/NDF: 9423755.7/71

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -417.662+/-815.370 χ^2/NDF: 18.3/15

Left Out: -1014.354+/-483.469 χ^2/NDF:21.5/18

Right Out: -294.527+/-831.610 χ^2/NDF: 15.6/18

Left In: -376.595+/-483.259 χ^2/NDF:23.7/17

Left: -695.336+/-341.790 χ^2/NDF: 46.0/36

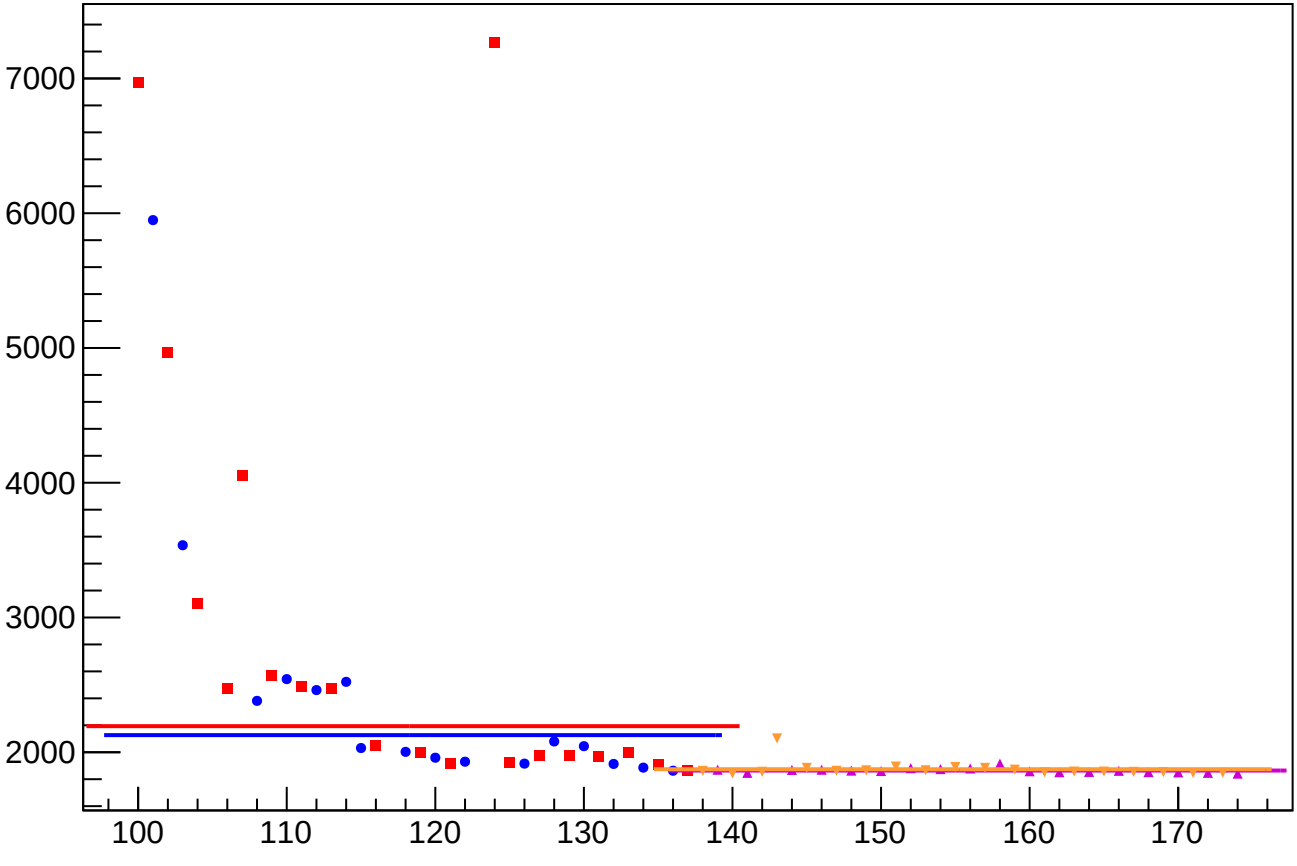
Right: -357.308+/-582.210 χ^2/NDF: 34.0/34

In: -387.270+/-415.726 χ^2/NDF:42.0/33

Out: -832.520+/-417.968 χ^2/NDF:37.7/37

All: -608.698+/-294.752 χ^2/NDF: 80.3/71

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2127.041+/-0.577 χ^2/NDF: 875078.1/15

Left Out: 1873.953+/-0.342 χ^2/NDF:22111.7/18

Right Out: 2193.560+/-0.588 χ^2/NDF: 942581.2/18

Left In: 1864.252+/-0.342 χ^2/NDF:2439.5/17

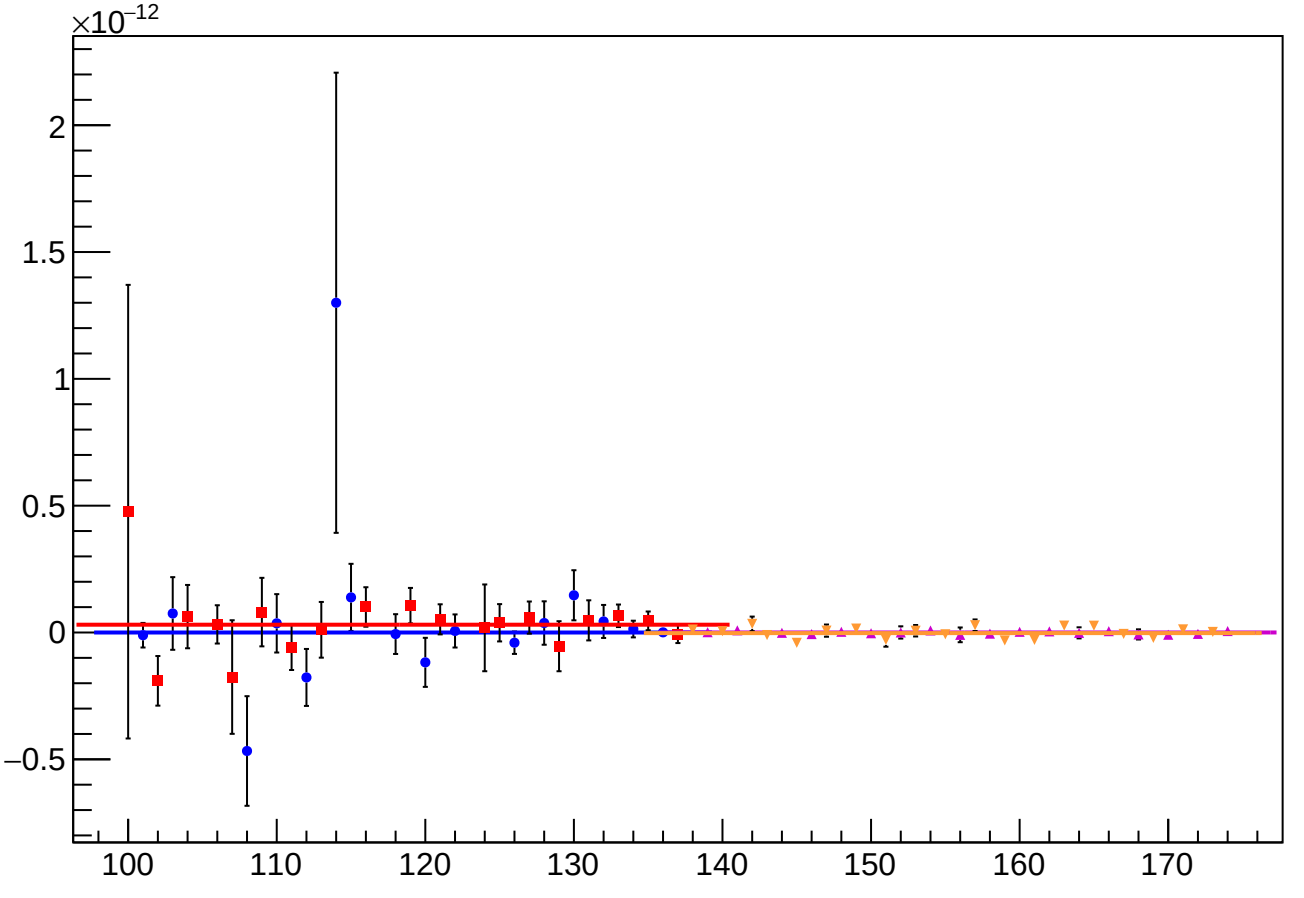
Left: 1869.100+/-0.242 χ^2/NDF: 24954.0/36

Right: 2159.645+/-0.412 χ^2/NDF: 1824183.5/34

In: 1932.566+/-0.294 χ^2/NDF:1031259.7/33

Out: 1954.689+/-0.296 χ^2/NDF:1185479.3/37

All: 1943.568+/-0.208 χ^2/NDF: 2219555.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2.5/17

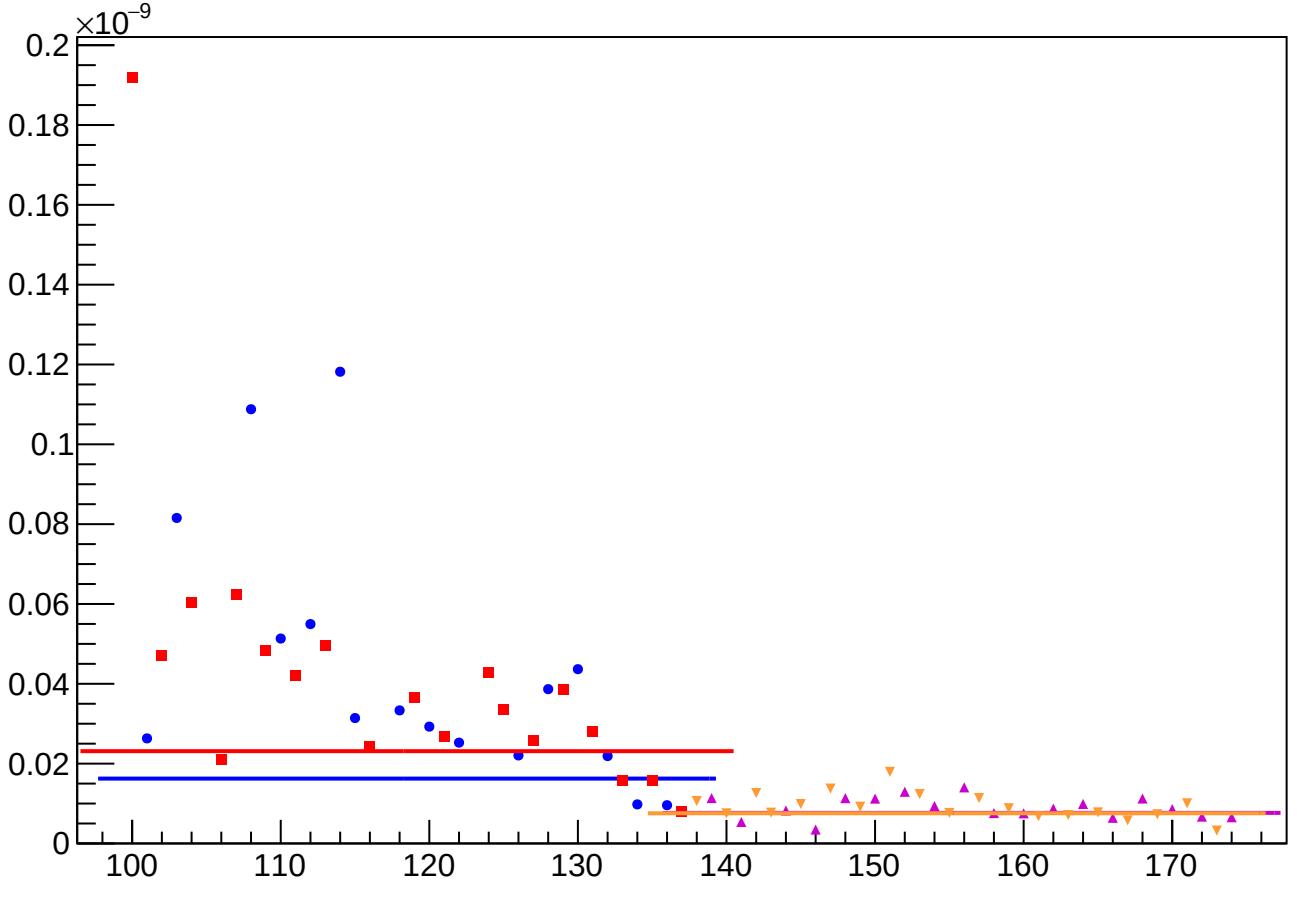
Left: -0.000+/-0.000 χ^2/NDF: 32.9/36

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:18.5/33

Out: -0.000+/-0.000 χ^2/NDF:46.9/37

All: -0.000+/-0.000 χ^2/NDF: 65.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 2286703.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1390906.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1411720.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1012373.5/17

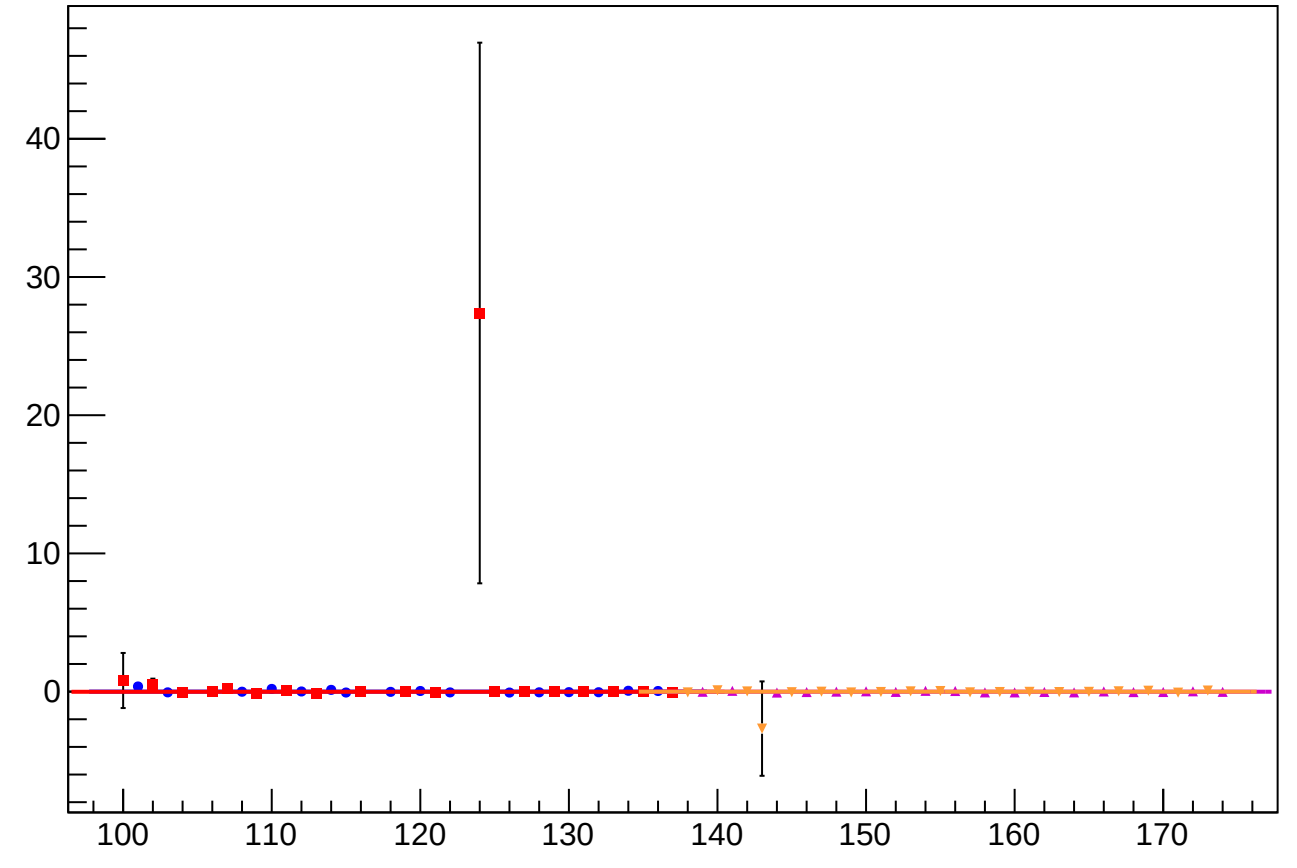
Left: 0.000+/-0.000 χ^2/NDF: 2404011.2/36

Right: 0.000+/-0.000 χ^2/NDF: 3942397.7/34

In: 0.000+/-0.000 χ^2/NDF:4261153.0/33

Out: 0.000+/-0.000 χ^2/NDF:4669894.4/37

All: 0.000+/-0.000 χ^2/NDF: 8931609.7/71



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.0/17

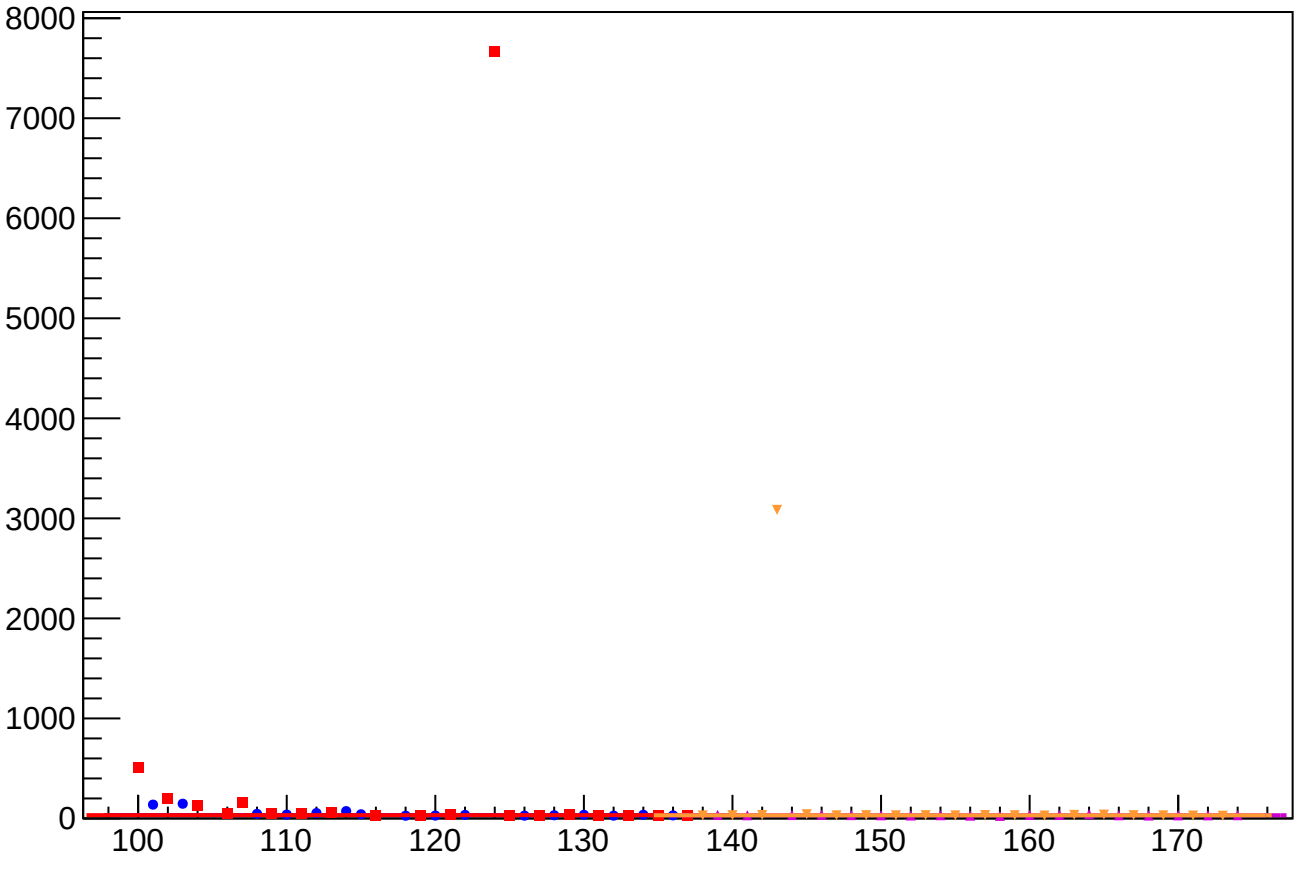
Left: -0.005+/-0.006 χ^2/NDF: 48.7/36

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:39.3/33

Out: -0.005+/-0.008 χ^2/NDF:45.0/37

All: -0.005+/-0.005 χ^2/NDF: 84.3/71



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.806+/-0.006 χ^2/NDF:1814704.1/18

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

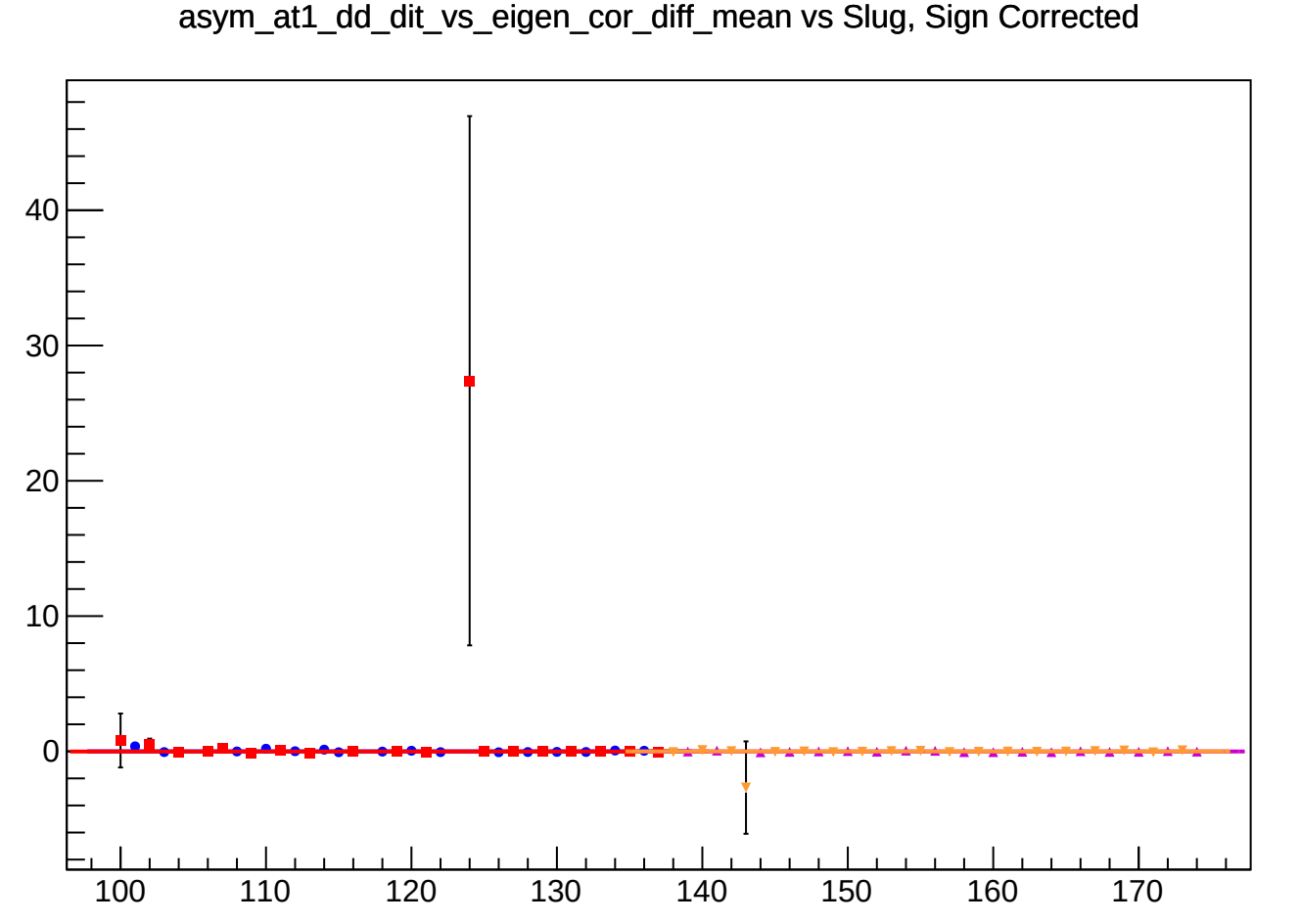
Left: 32.037+/-0.005 χ^2/NDF: 2085451.8/36

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

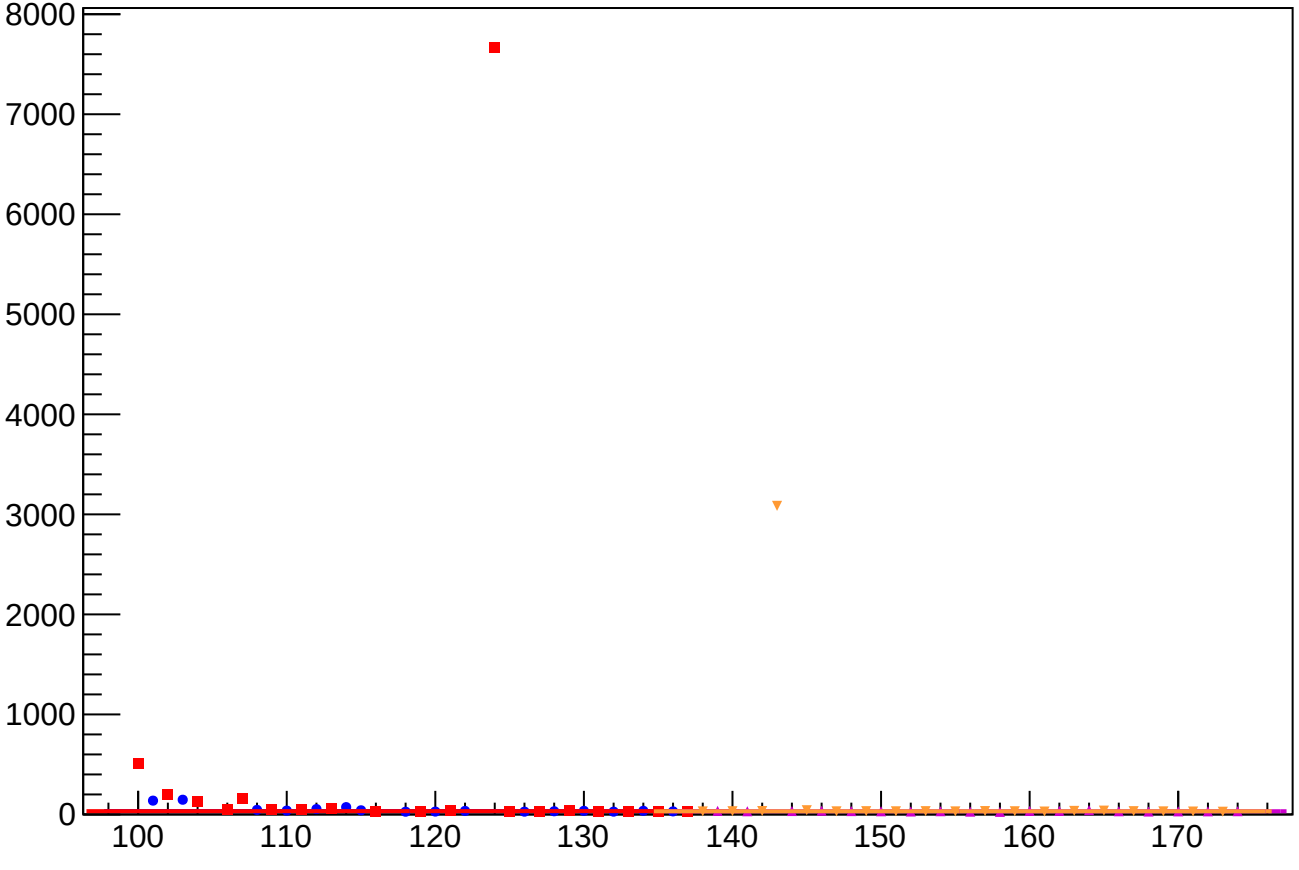
In: 32.758+/-0.005 χ^2/NDF:2006826.4/33

Out: 32.158+/-0.006 χ^2/NDF:3900541.5/37

All: 32.460+/-0.004 χ^2/NDF: 5913344.0/71


asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.002+/-0.015 χ²/NDF: 21.0/15
Left Out: -0.003+/-0.009 χ²/NDF:30.6/18
Right Out: -0.012+/-0.015 χ²/NDF: 14.2/18
Left In: -0.007+/-0.009 χ²/NDF:18.0/17
Left: -0.005+/-0.006 χ²/NDF: 48.7/36
Right: -0.005+/-0.010 χ²/NDF: 35.6/34
In: -0.005+/-0.008 χ²/NDF:39.3/33
Out: -0.005+/-0.008 χ²/NDF:45.0/37
All: -0.005+/-0.005 χ²/NDF: 84.3/71

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717266.1/15

Left Out: 31.806+/-0.006 χ^2/NDF:1814704.1/18

Right Out: 33.084+/-0.011 χ^2/NDF: 2075124.6/18

Left In: 32.265+/-0.006 χ^2/NDF:268224.7/17

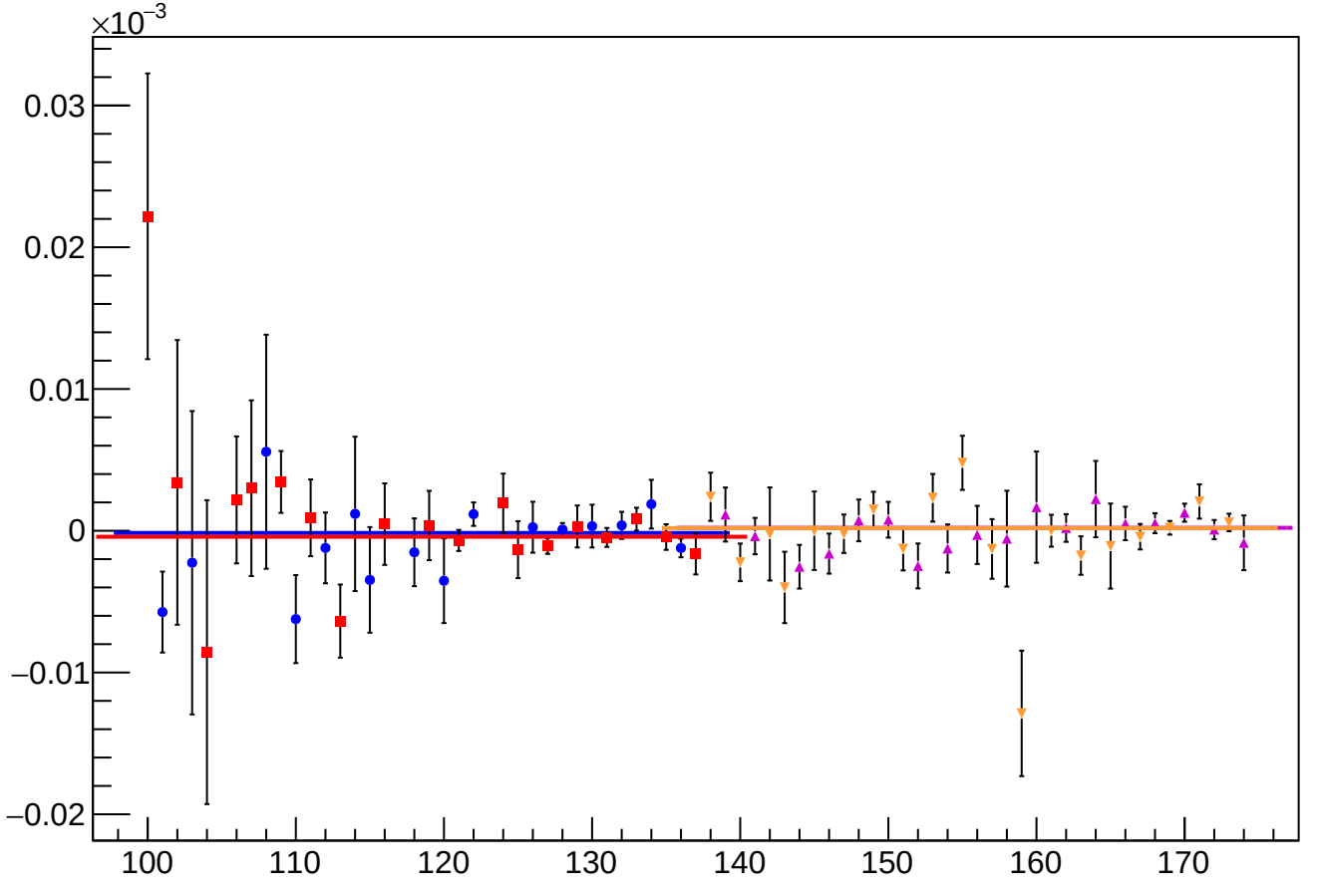
Left: 32.037+/-0.005 χ^2/NDF: 2085451.8/36

Right: 33.573+/-0.007 χ^2/NDF: 3796696.6/34

In: 32.758+/-0.005 χ^2/NDF:2006826.4/33

Out: 32.158+/-0.006 χ^2/NDF:3900541.5/37

All: 32.460+/-0.004 χ^2/NDF: 5913344.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:13.5/17

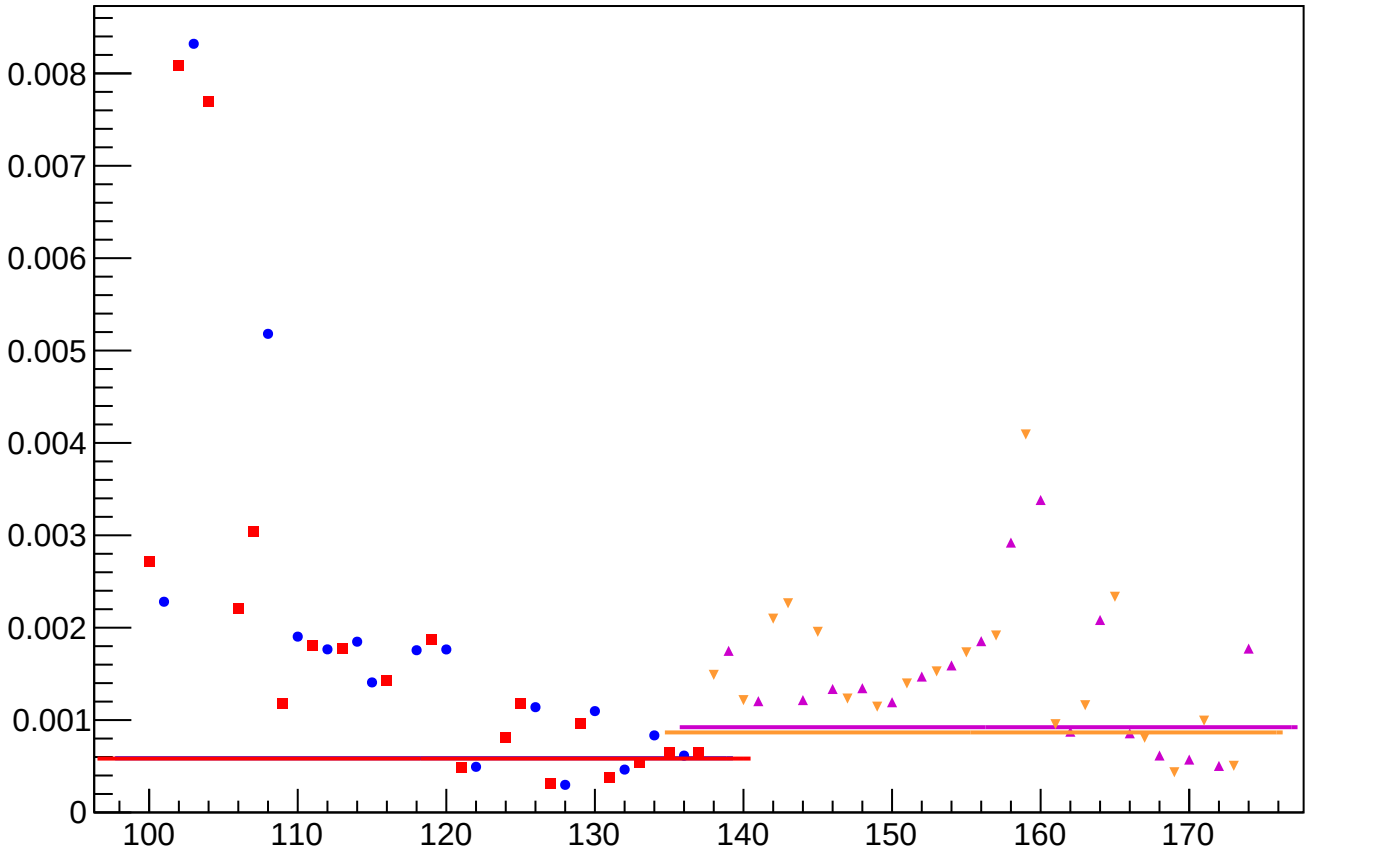
Left: 0.000+/-0.000 χ^2/NDF: 45.5/36

Right: -0.000+/-0.000 χ^2/NDF: 40.2/34

In: 0.000+/-0.000 χ^2/NDF:32.4/33

Out: -0.000+/-0.000 χ^2/NDF:56.1/37

All: -0.000+/-0.000 χ^2/NDF: 88.7/71



Right In: 0.001+/-0.000 χ^2/NDF: 5485949.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:7261986.4/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5431787.1/18

Left In: 0.001+/-0.000 χ^2/NDF:5939679.8/17

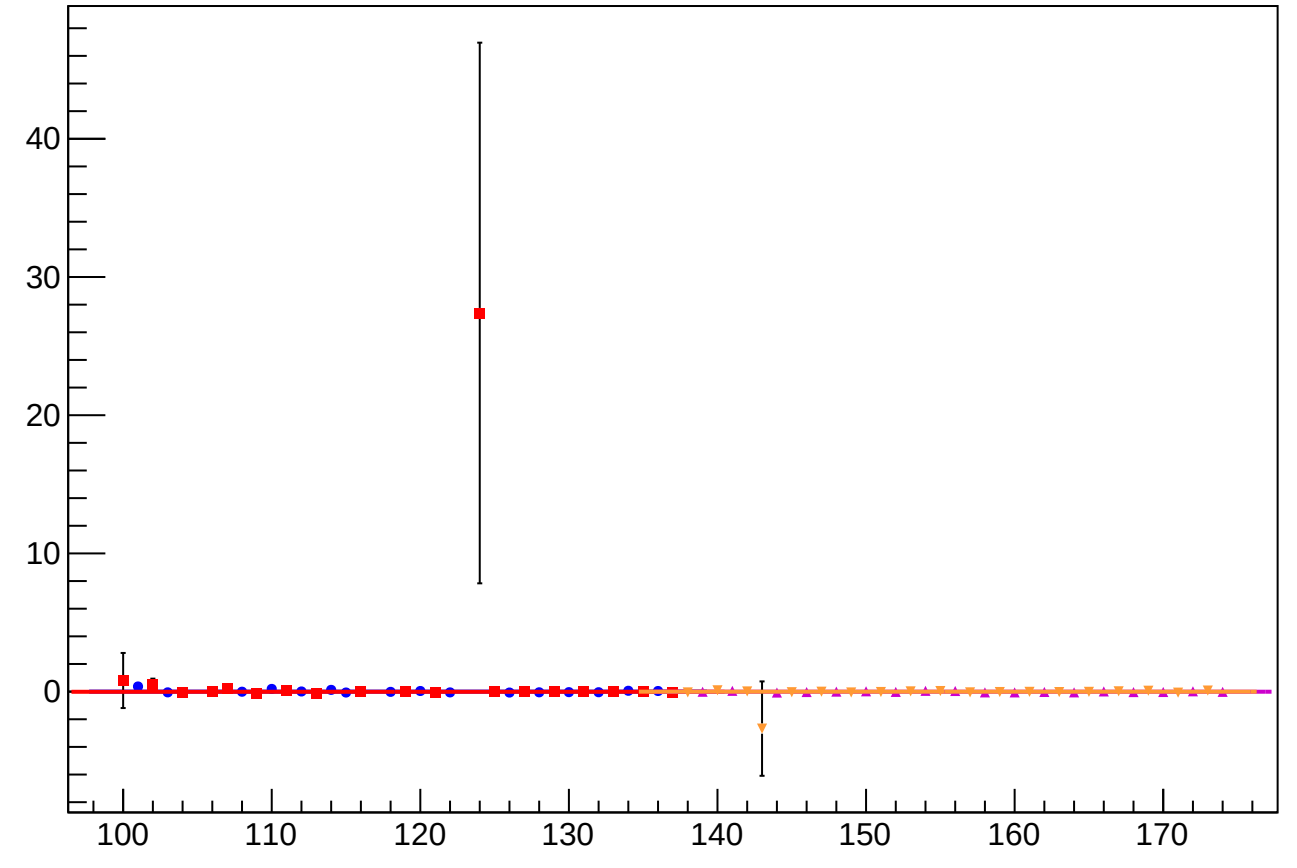
Left: 0.001+/-0.000 χ^2/NDF: 13244605.5/36

Right: 0.001+/-0.000 χ^2/NDF: 10917885.2/34

In: 0.001+/-0.000 χ^2/NDF:12803549.1/33

Out: 0.001+/-0.000 χ^2/NDF:13745502.3/37

All: 0.001+/-0.000 χ^2/NDF: 26571138.2/71



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.0/17

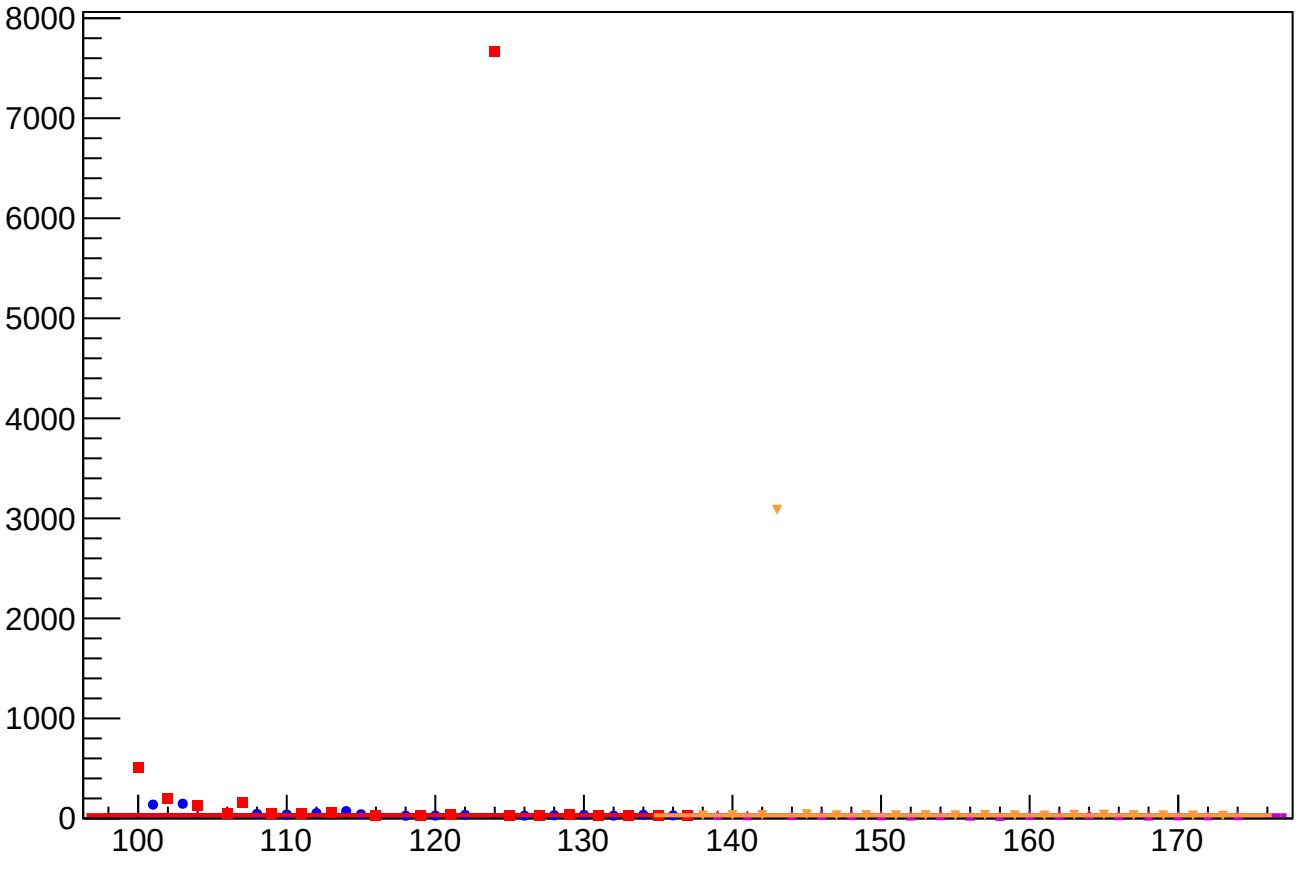
Left: -0.005+/-0.006 χ^2/NDF: 48.7/36

Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:39.3/33

Out: -0.005+/-0.008 χ^2/NDF:45.0/37

All: -0.005+/-0.005 χ^2/NDF: 84.3/71



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.806+/-0.006 χ^2/NDF:1814701.7/18

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

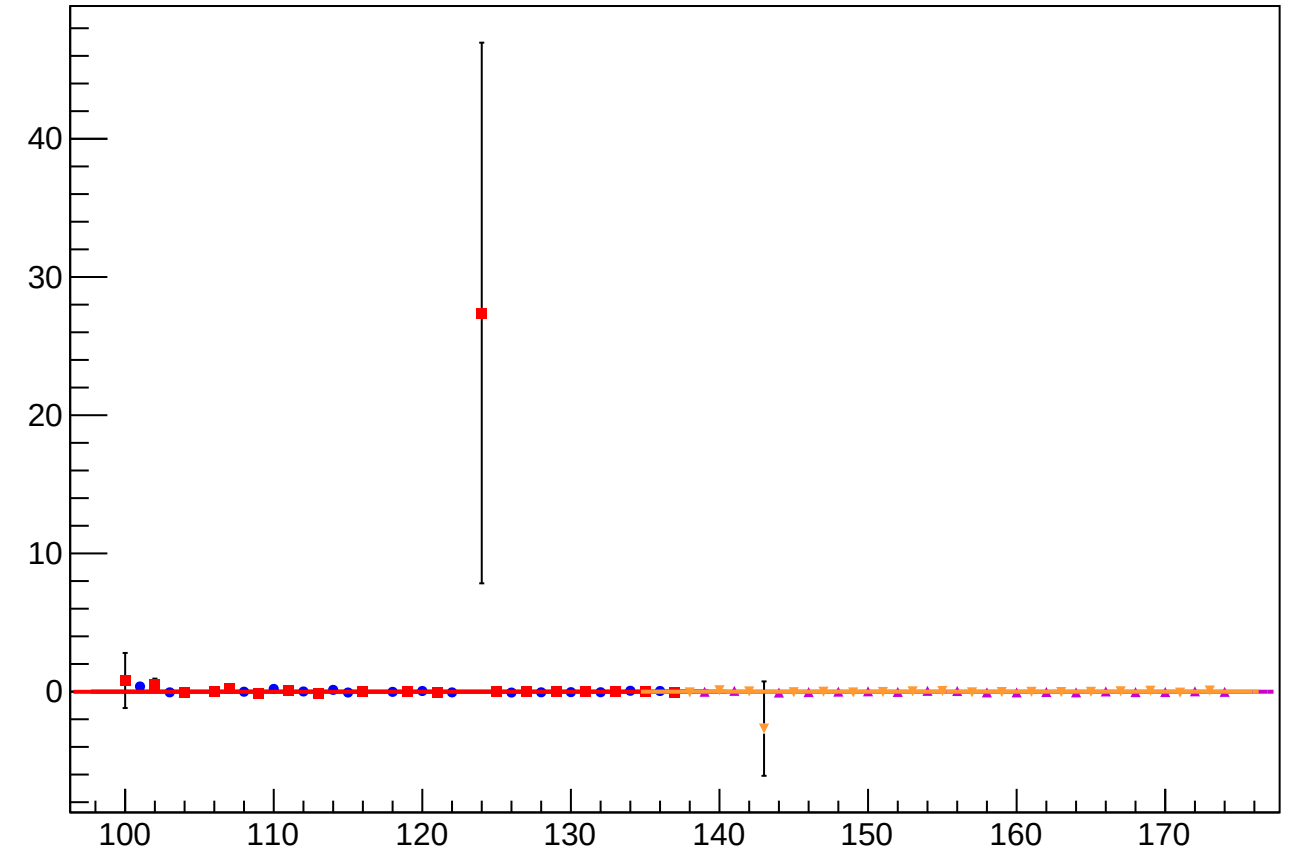
Left: 32.037+/-0.005 χ^2/NDF: 2085374.3/36

Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.759+/-0.005 χ^2/NDF:2006732.7/33

Out: 32.158+/-0.006 χ^2/NDF:3900518.4/37

All: 32.460+/-0.004 χ^2/NDF: 5913230.8/71



Right In: 0.002+/-0.015 χ^2/NDF: 21.0/15

Left Out: -0.003+/-0.009 χ^2/NDF:30.6/18

Right Out: -0.012+/-0.015 χ^2/NDF: 14.2/18

Left In: -0.007+/-0.009 χ^2/NDF:18.0/17

Left: -0.005+/-0.006 χ^2/NDF: 48.7/36

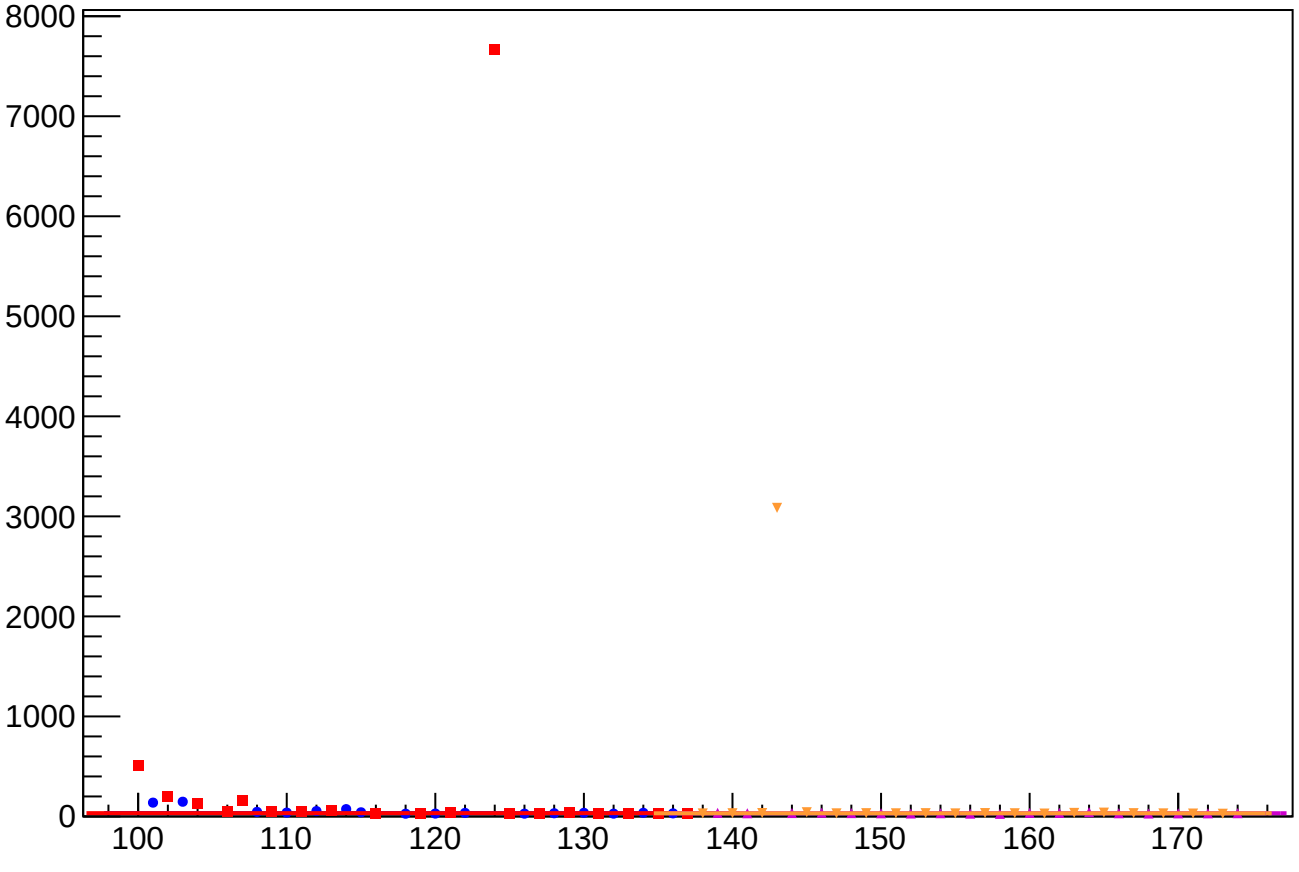
Right: -0.005+/-0.010 χ^2/NDF: 35.6/34

In: -0.005+/-0.008 χ^2/NDF:39.3/33

Out: -0.005+/-0.008 χ^2/NDF:45.0/37

All: -0.005+/-0.005 χ^2/NDF: 84.3/71

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.055+/-0.010 χ^2/NDF: 1717254.5/15

Left Out: 31.806+/-0.006 χ^2/NDF:1814701.7/18

Right Out: 33.083+/-0.011 χ^2/NDF: 2075105.8/18

Left In: 32.265+/-0.006 χ^2/NDF:268147.4/17

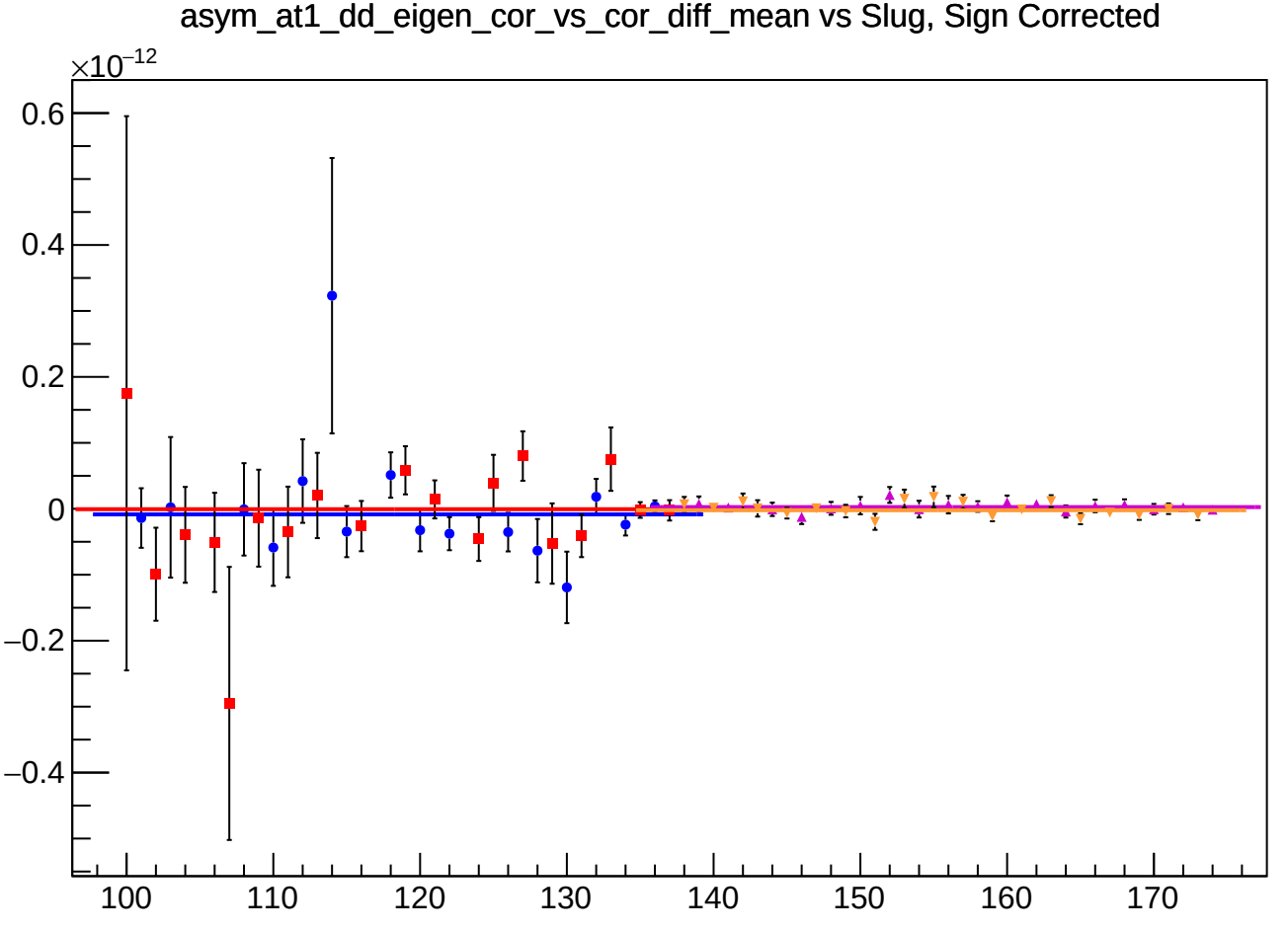
Left: 32.037+/-0.005 χ^2/NDF: 2085374.3/36

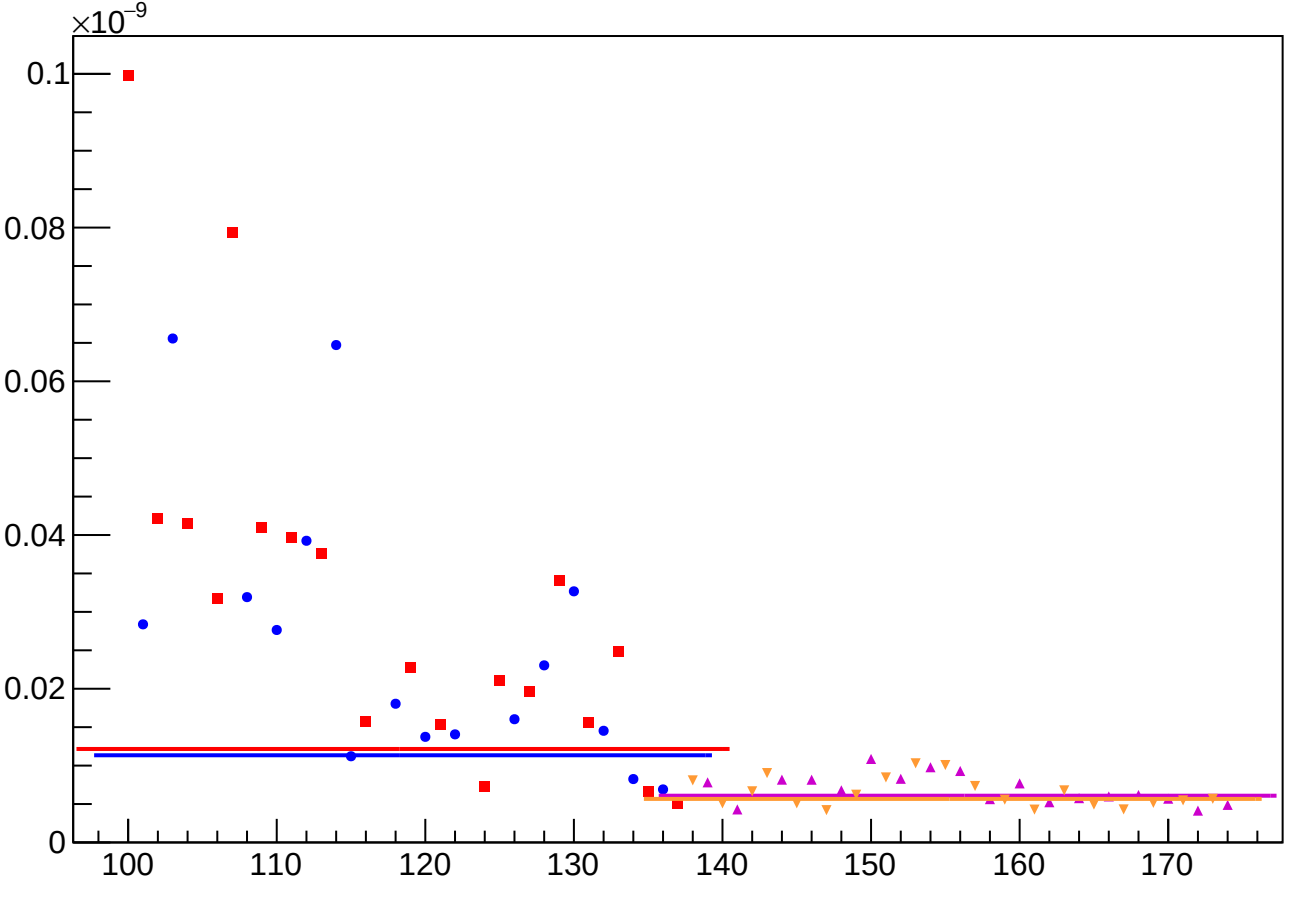
Right: 33.573+/-0.007 χ^2/NDF: 3796667.3/34

In: 32.759+/-0.005 χ^2/NDF:2006732.7/33

Out: 32.158+/-0.006 χ^2/NDF:3900518.4/37

All: 32.460+/-0.004 χ^2/NDF: 5913230.8/71


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:17.6/18
Right Out: -0.000+/-0.000 χ²/NDF: 20.8/18
Left In: 0.000+/-0.000 χ²/NDF:6.9/17
Left: 0.000+/-0.000 χ²/NDF: 27.2/36
Right: -0.000+/-0.000 χ²/NDF: 40.7/34
In: 0.000+/-0.000 χ²/NDF:28.8/33
Out: -0.000+/-0.000 χ²/NDF:38.4/37
All: -0.000+/-0.000 χ²/NDF: 69.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 2813598.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1148016.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3757412.0/18

Left In: 0.000+/-0.000 χ^2/NDF:1355869.1/17

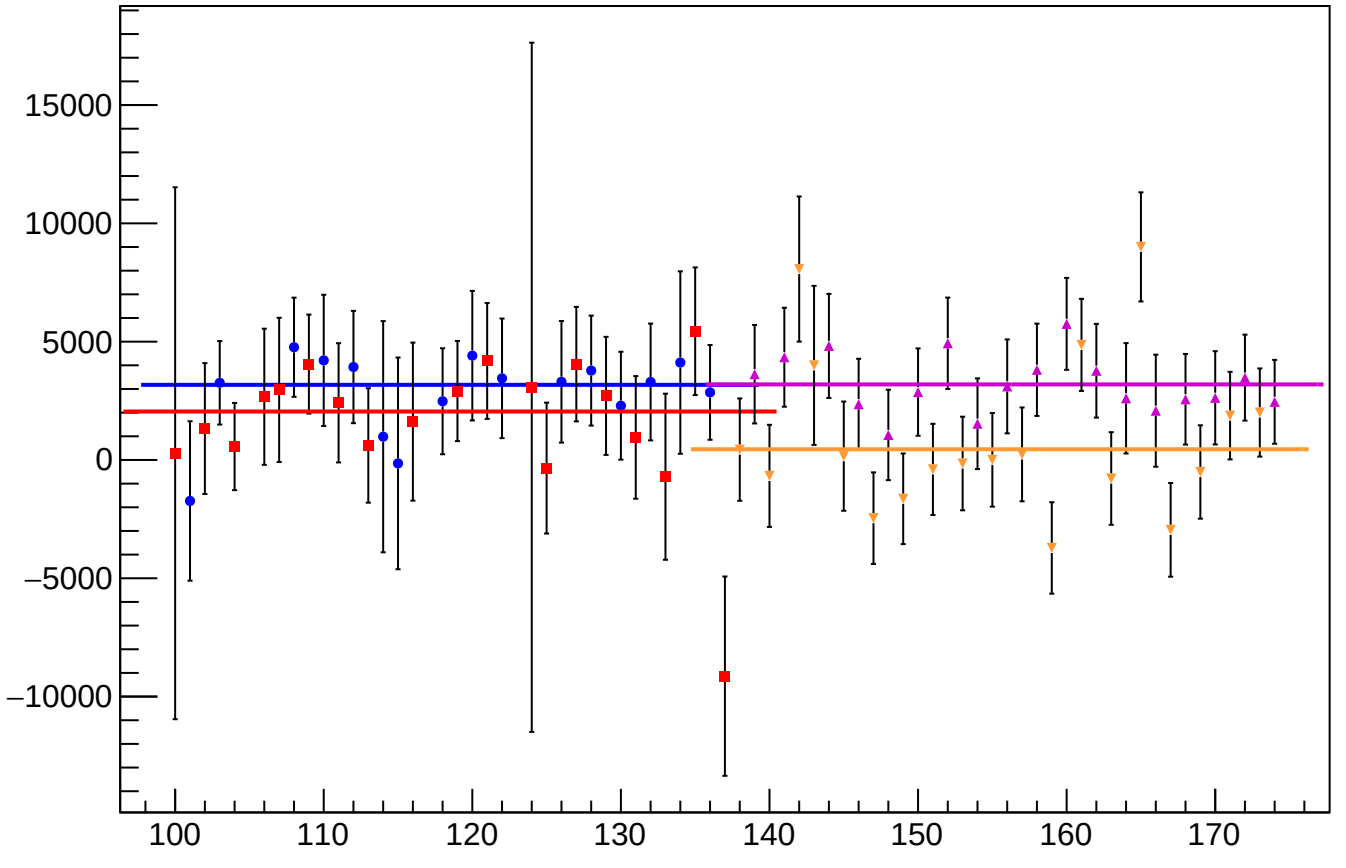
Left: 0.000+/-0.000 χ^2/NDF: 2546161.3/36

Right: 0.000+/-0.000 χ^2/NDF: 6585389.8/34

In: 0.000+/-0.000 χ^2/NDF:5393552.9/33

Out: 0.000+/-0.000 χ^2/NDF:6399996.7/37

All: 0.000+/-0.000 χ^2/NDF: 11851033.8/71



Right In: 3175.599+/-627.992 χ^2/NDF: 4.3/15

Left Out: 452.912+/-473.601 χ^2/NDF:39.8/18

Right Out: 2047.403+/-621.498 χ^2/NDF: 14.0/18

Left In: 3193.643+/-466.485 χ^2/NDF:6.5/17

Left: 1844.024+/-332.342 χ^2/NDF: 63.3/36

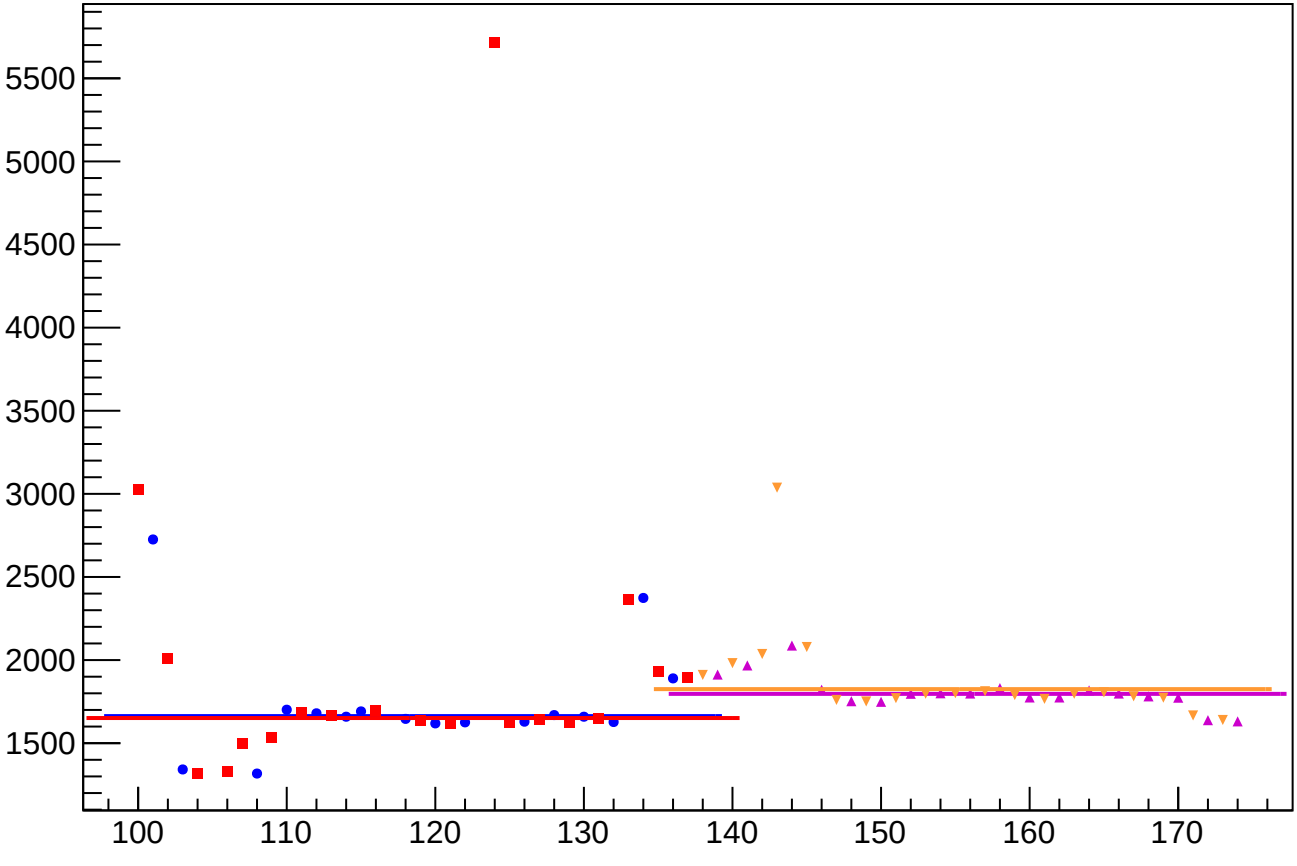
Right: 2605.638+/-441.744 χ^2/NDF: 20.0/34

In: 3187.227+/-374.475 χ^2/NDF:10.8/33

Out: 1038.674+/-376.694 χ^2/NDF:58.0/37

All: 2119.300+/-265.575 χ^2/NDF: 85.2/71

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415630.7/15

Left Out: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.1/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

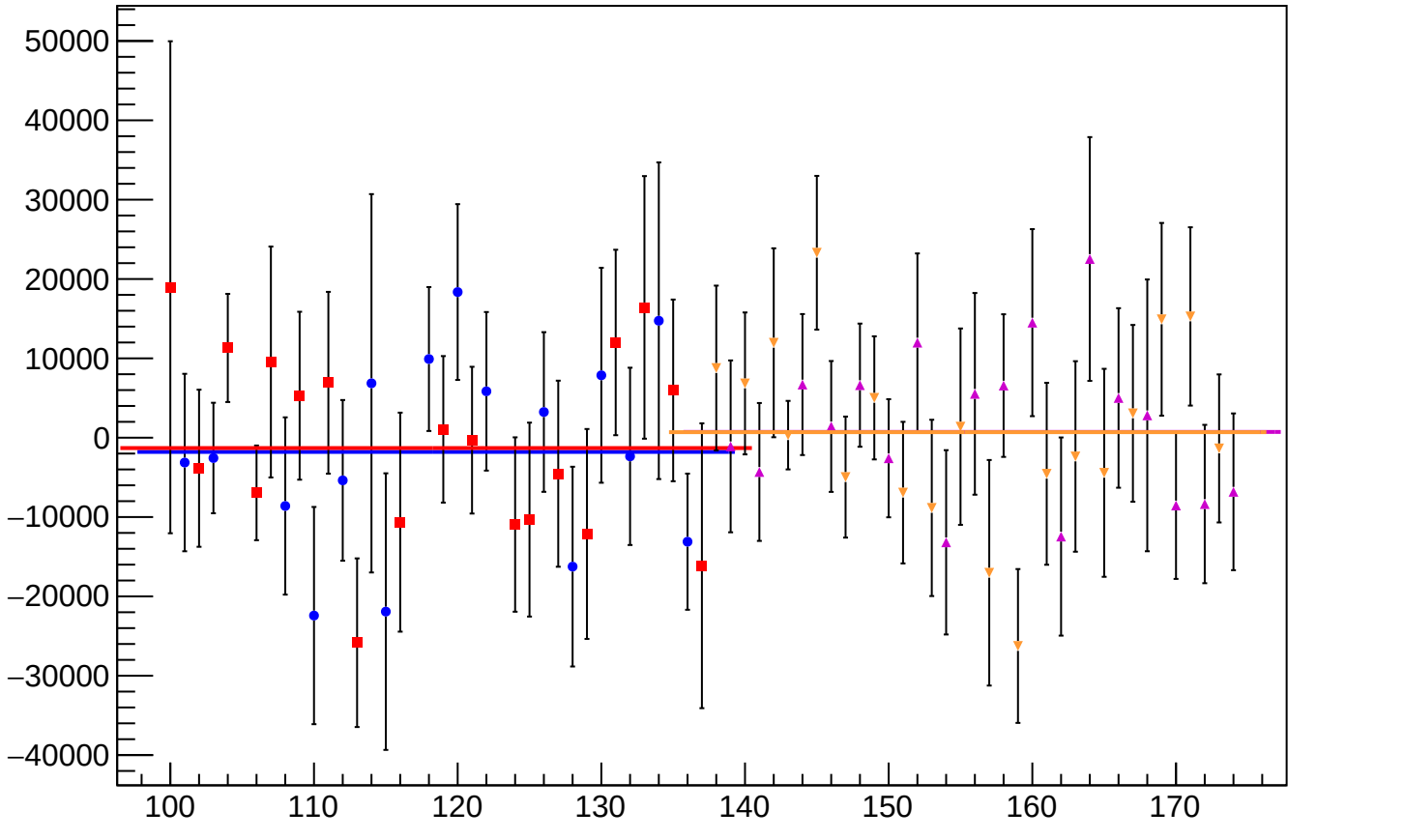
Left: 1810.754+/-0.235 χ^2/NDF: 449892.7/36

Right: 1657.052+/-0.312 χ^2/NDF: 847939.4/34

In: 1749.108+/-0.265 χ^2/NDF:565641.7/33

Out: 1761.364+/-0.266 χ^2/NDF:885741.5/37

All: 1755.200+/-0.188 χ^2/NDF: 1452448.1/71



Right In: -1791.030+/-2743.617 χ^2/NDF: 14.3/15

Left Out: 696.868+/-2111.555 χ^2/NDF:22.6/18

Right Out: -1306.311+/-2430.063 χ^2/NDF: 17.7/18

Left In: 726.278+/-2365.369 χ^2/NDF:11.7/17

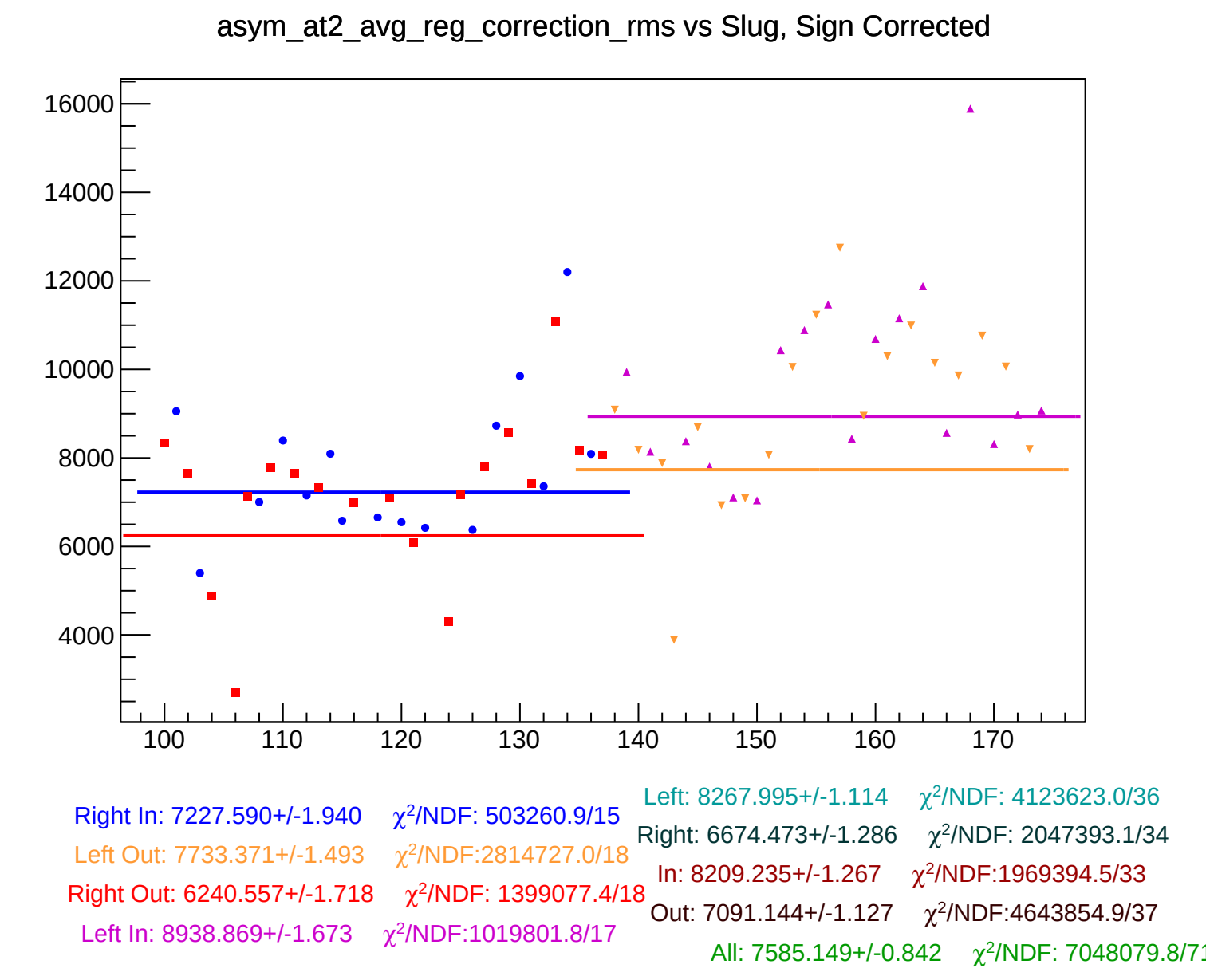
Left: 709.911+/-1575.215 χ^2/NDF: 34.3/36

Right: -1519.402+/-1819.116 χ^2/NDF: 32.1/34

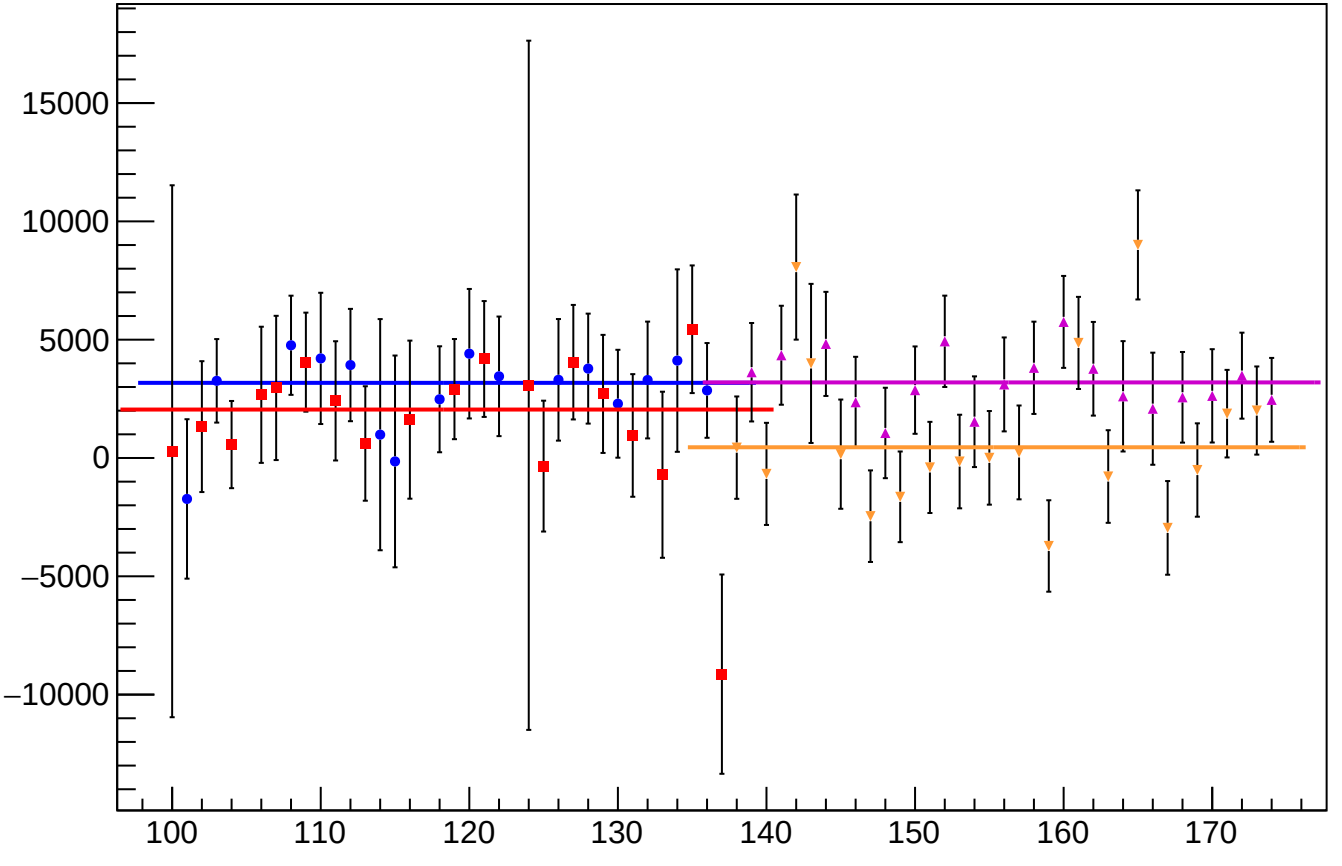
In: -347.021+/-1791.496 χ^2/NDF:26.5/33

Out: -164.924+/-1593.892 χ^2/NDF:40.7/37

All: -245.380+/-1190.811 χ^2/NDF: 67.2/71


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 7227.590+/-1.940 χ²/NDF: 503260.9/15
Left Out: 7733.371+/-1.493 χ²/NDF:2814727.0/18
Right Out: 6240.557+/-1.718 χ²/NDF: 1399077.4/18
Left In: 8938.869+/-1.673 χ²/NDF:1019801.8/17
Left: 8267.995+/-1.114 χ²/NDF: 4123623.0/36
Right: 6674.473+/-1.286 χ²/NDF: 2047393.1/34
In: 8209.235+/-1.267 χ²/NDF:1969394.5/33
Out: 7091.144+/-1.127 χ²/NDF:4643854.9/37
All: 7585.149+/-0.842 χ²/NDF: 7048079.8/71

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 452.820+/-473.601 χ^2/NDF:39.8/18

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3193.594+/-466.485 χ^2/NDF:6.5/17

Left: 1843.953+/-332.342 χ^2/NDF: 63.3/36

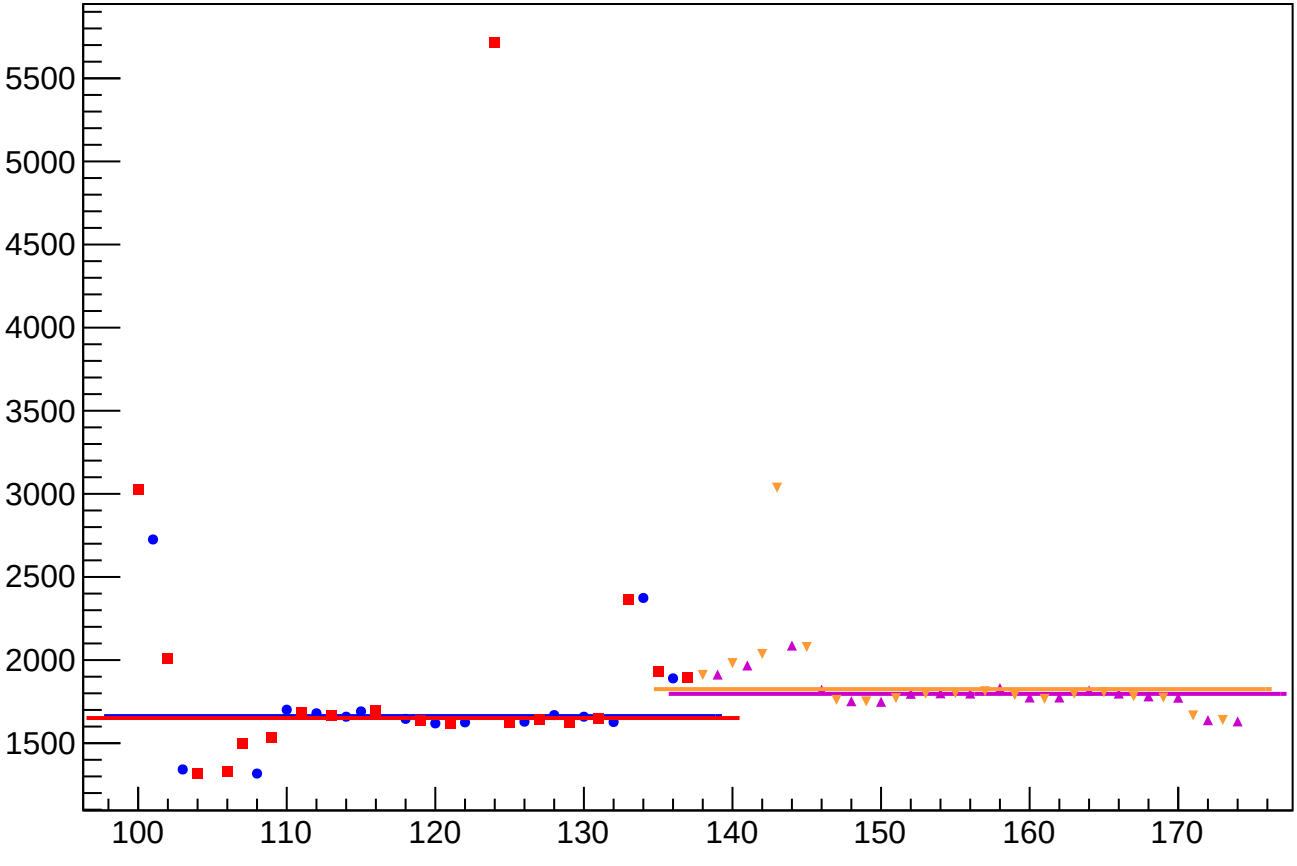
Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3187.227+/-374.475 χ^2/NDF:10.8/33

Out: 1038.544+/-376.694 χ^2/NDF:58.0/37

All: 2119.235+/-265.575 χ^2/NDF: 85.2/71

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

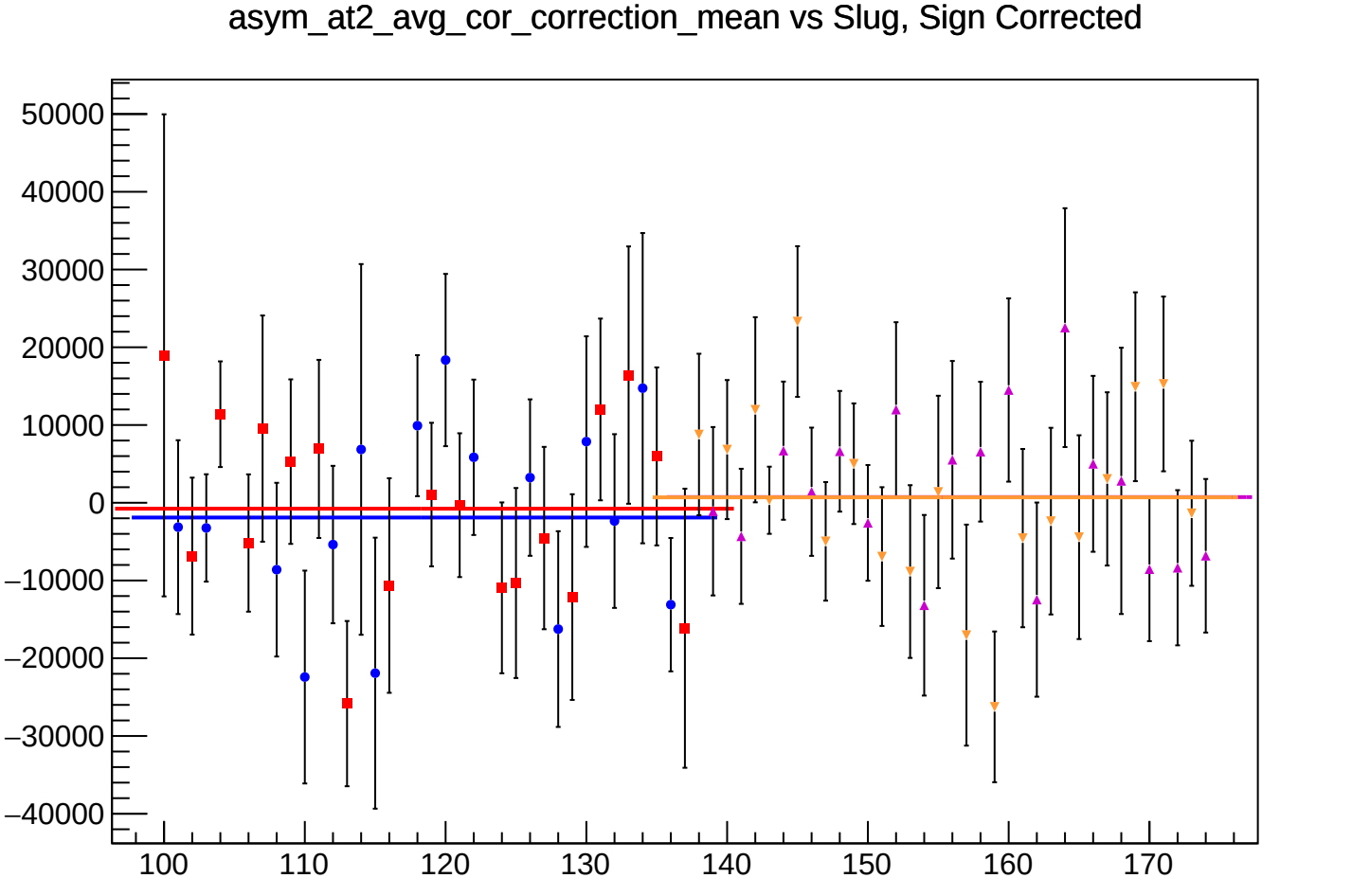
Left: 1810.754+/-0.235 χ^2/NDF: 449892.7/36

Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1749.108+/-0.265 χ^2/NDF:565642.2/33

Out: 1761.364+/-0.266 χ^2/NDF:885741.8/37

All: 1755.200+/-0.188 χ^2/NDF: 1452448.8/71



Right In: -1900.125+/-2739.954 χ^2/NDF: 14.4/15

Left Out: 696.789+/-2111.549 χ^2/NDF:22.6/18

Right Out: -762.513+/-2549.943 χ^2/NDF: 17.3/18

Left In: 726.341+/-2365.368 χ^2/NDF:11.7/17

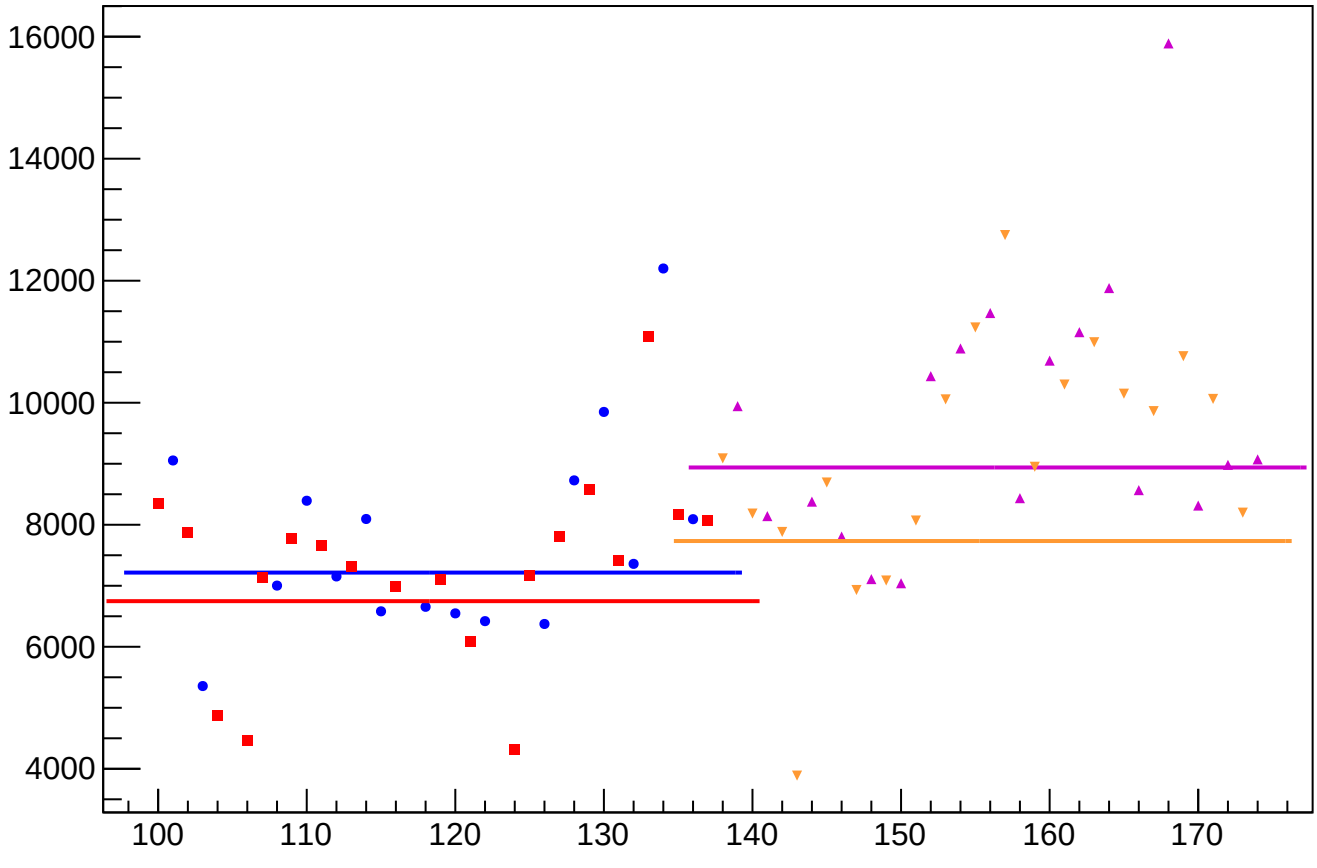
Left: 709.895+/-1575.212 χ^2/NDF: 34.3/36

Right: -1290.509+/-1866.644 χ^2/NDF: 31.7/34

In: -395.216+/-1790.474 χ^2/NDF:26.6/33

Out: 103.176+/-1626.333 χ^2/NDF:40.1/37

All: -122.133+/-1203.848 χ^2/NDF: 66.7/71



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7733.339+/-1.493 χ^2/NDF:2814791.7/18

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

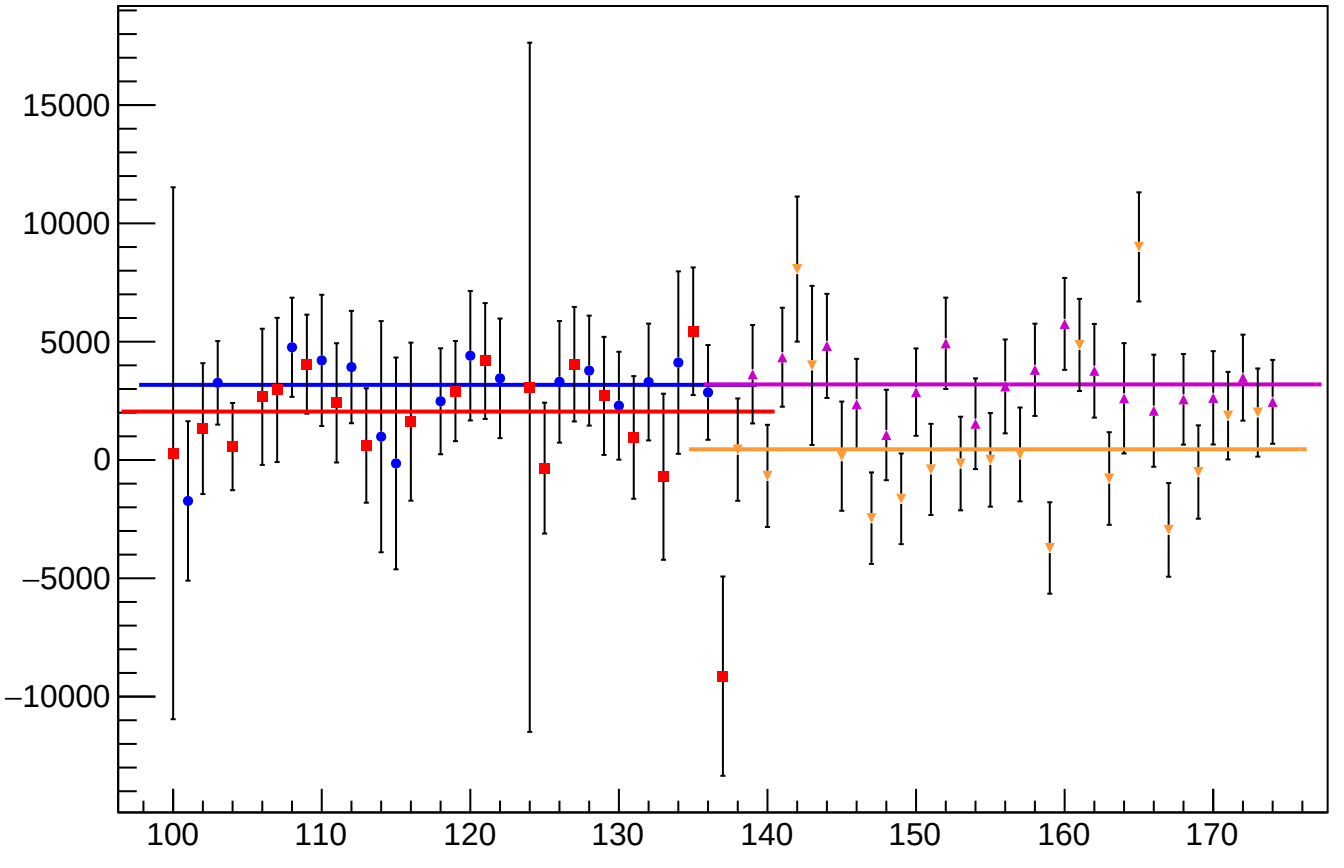
Left: 8267.973+/-1.114 χ^2/NDF: 4123706.6/36

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8203.177+/-1.266 χ^2/NDF:1985007.1/33

Out: 7332.417+/-1.150 χ^2/NDF:3700836.5/37

All: 7726.063+/-0.851 χ^2/NDF: 5945031.3/71



Right In: 3175.689+/-627.992 χ^2/NDF: 4.3/15

Left Out: 452.820+/-473.601 χ^2/NDF:39.8/18

Right Out: 2047.209+/-621.498 χ^2/NDF: 14.0/18

Left In: 3193.594+/-466.485 χ^2/NDF:6.5/17

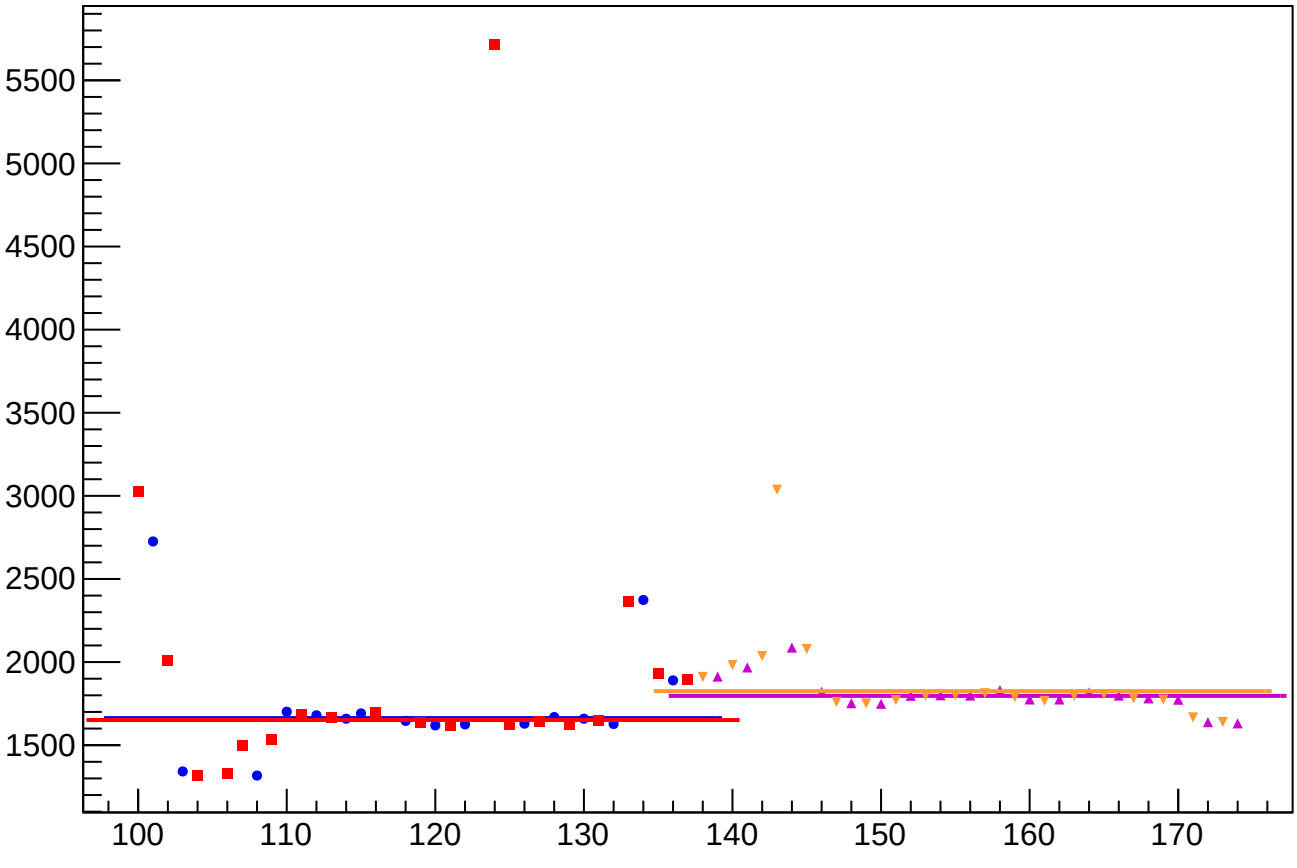
Left: 1843.953+/-332.342 χ^2/NDF: 63.3/36

Right: 2605.584+/-441.744 χ^2/NDF: 20.0/34

In: 3187.227+/-374.475 χ^2/NDF:10.8/33

Out: 1038.544+/-376.694 χ^2/NDF:58.0/37

All: 2119.235+/-265.575 χ^2/NDF: 85.2/71



Right In: 1662.901+/-0.444 χ^2/NDF: 415631.0/15

Left Out: 1825.265+/-0.335 χ^2/NDF:354666.1/18

Right Out: 1651.322+/-0.439 χ^2/NDF: 431965.2/18

Left In: 1796.675+/-0.330 χ^2/NDF:91527.4/17

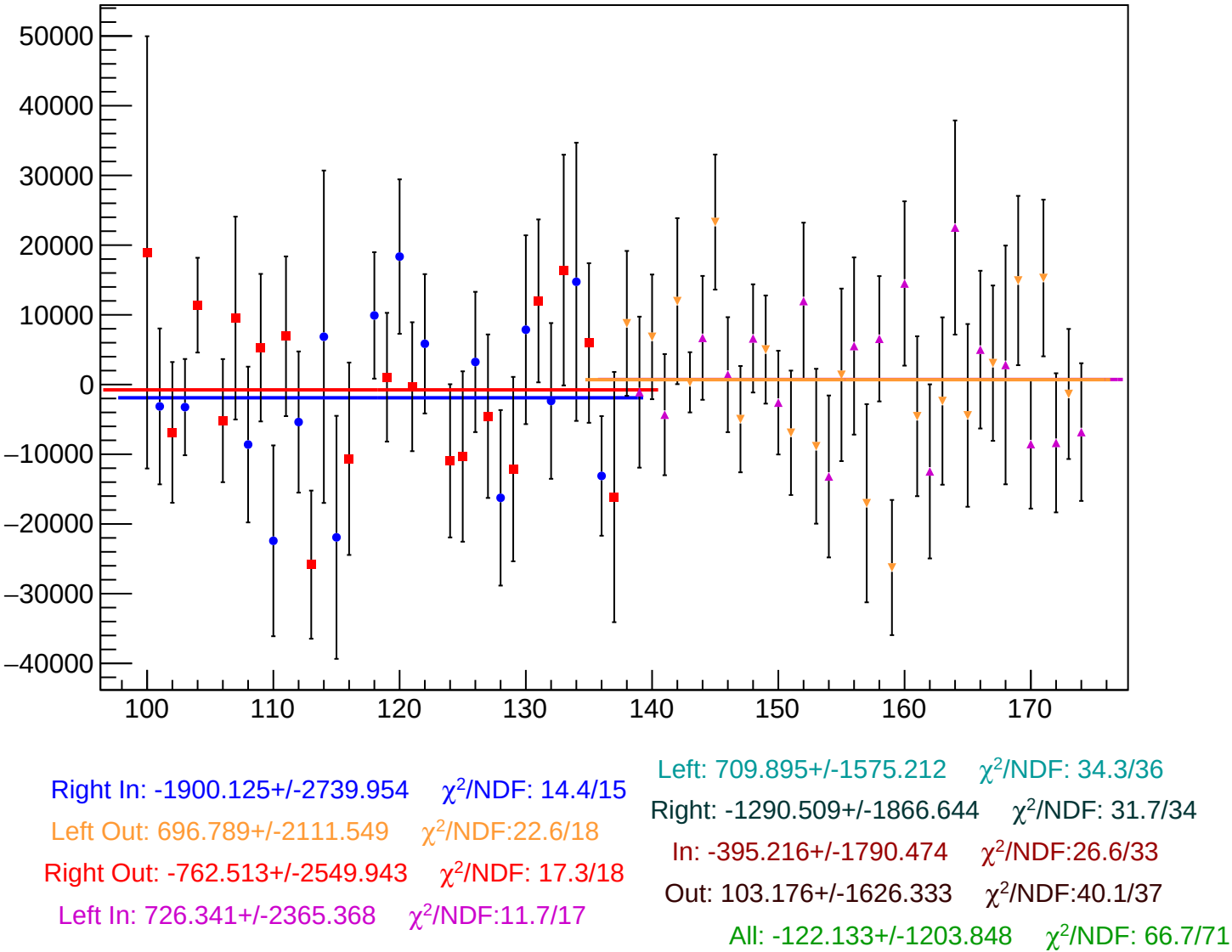
Left: 1810.754+/-0.235 χ^2/NDF: 449892.7/36

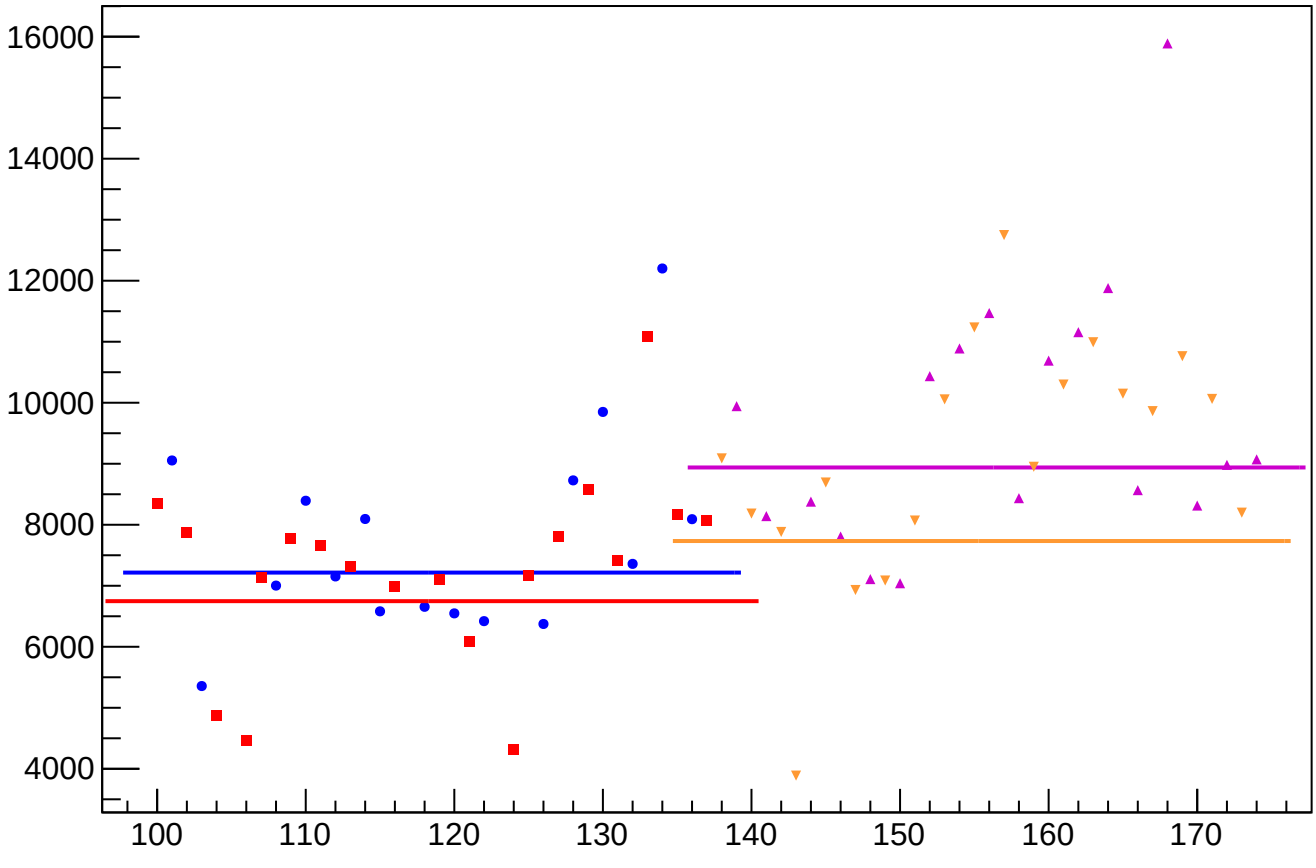
Right: 1657.051+/-0.312 χ^2/NDF: 847939.7/34

In: 1749.108+/-0.265 χ^2/NDF:565642.2/33

Out: 1761.364+/-0.266 χ^2/NDF:885741.8/37

All: 1755.200+/-0.188 χ^2/NDF: 1452448.8/71


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1900.125+/-2739.954 χ²/NDF: 14.4/15
Left Out: 696.789+/-2111.549 χ²/NDF:22.6/18
Right Out: -762.513+/-2549.943 χ²/NDF: 17.3/18
Left In: 726.341+/-2365.368 χ²/NDF:11.7/17
Left: 709.895+/-1575.212 χ²/NDF: 34.3/36
Right: -1290.509+/-1866.644 χ²/NDF: 31.7/34
In: -395.216+/-1790.474 χ²/NDF:26.6/33
Out: 103.176+/-1626.333 χ²/NDF:40.1/37
All: -122.133+/-1203.848 χ²/NDF: 66.7/71



Right In: 7216.029+/-1.937 χ^2/NDF: 512126.4/15

Left Out: 7733.339+/-1.493 χ^2/NDF:2814791.7/18

Right Out: 6747.736+/-1.803 χ^2/NDF: 708793.3/18

Left In: 8938.864+/-1.673 χ^2/NDF:1019806.9/17

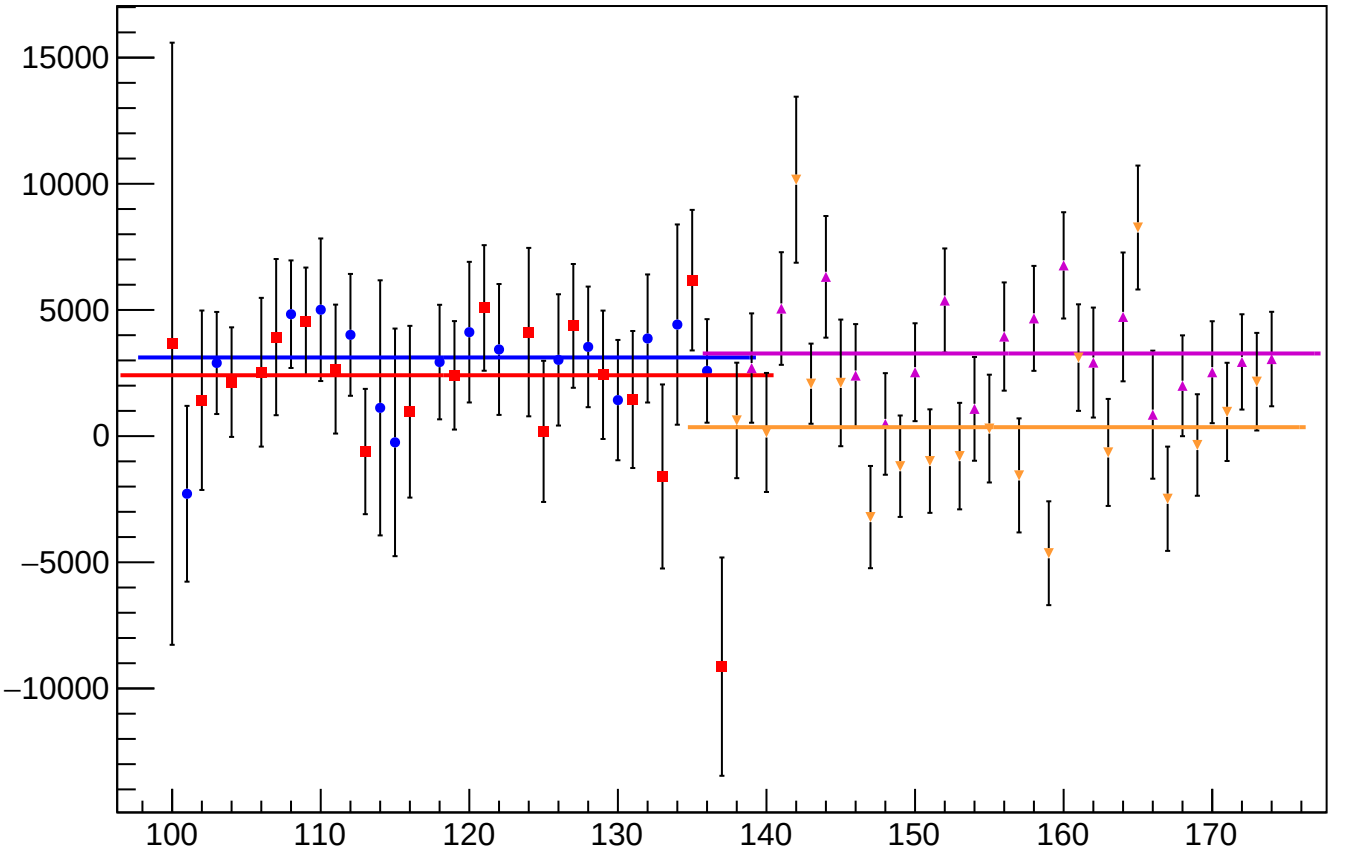
Left: 8267.973+/-1.114 χ^2/NDF: 4123706.6/36

Right: 6965.084+/-1.320 χ^2/NDF: 1252226.6/34

In: 8203.177+/-1.266 χ^2/NDF:1985007.1/33

Out: 7332.417+/-1.150 χ^2/NDF:3700836.5/37

All: 7726.063+/-0.851 χ^2/NDF: 5945031.3/71



Right In: 3117.878+/-651.119 χ^2/NDF: 5.3/15

Left Out: 354.329+/-485.165 χ^2/NDF:36.9/18

Right Out: 2412.473+/-639.018 χ^2/NDF: 16.0/18

Left In: 3275.049+/-495.996 χ^2/NDF:11.9/17

Left: 1782.450+/-346.829 χ^2/NDF: 66.5/36

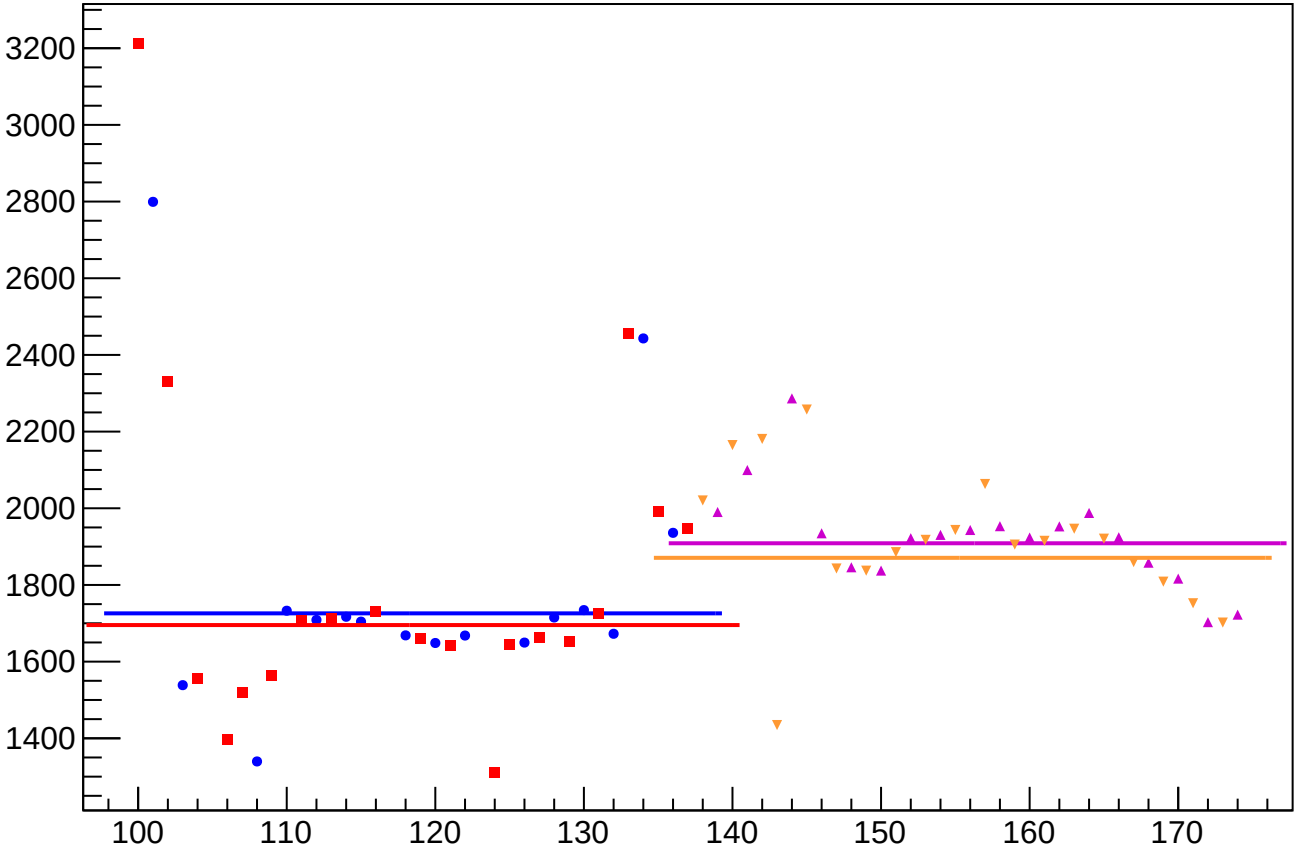
Right: 2758.560+/-456.072 χ^2/NDF: 21.9/34

In: 3217.336+/-394.559 χ^2/NDF:17.2/33

Out: 1106.907+/-386.412 χ^2/NDF:59.4/37

All: 2140.109+/-276.070 χ^2/NDF: 91.3/71

dit_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1725.911+/-0.460 χ^2/NDF: 365638.9/15

Left Out: 1870.755+/-0.343 χ^2/NDF:304144.3/18

Right Out: 1695.387+/-0.452 χ^2/NDF: 285622.0/18

Left In: 1908.722+/-0.351 χ^2/NDF:125215.6/17

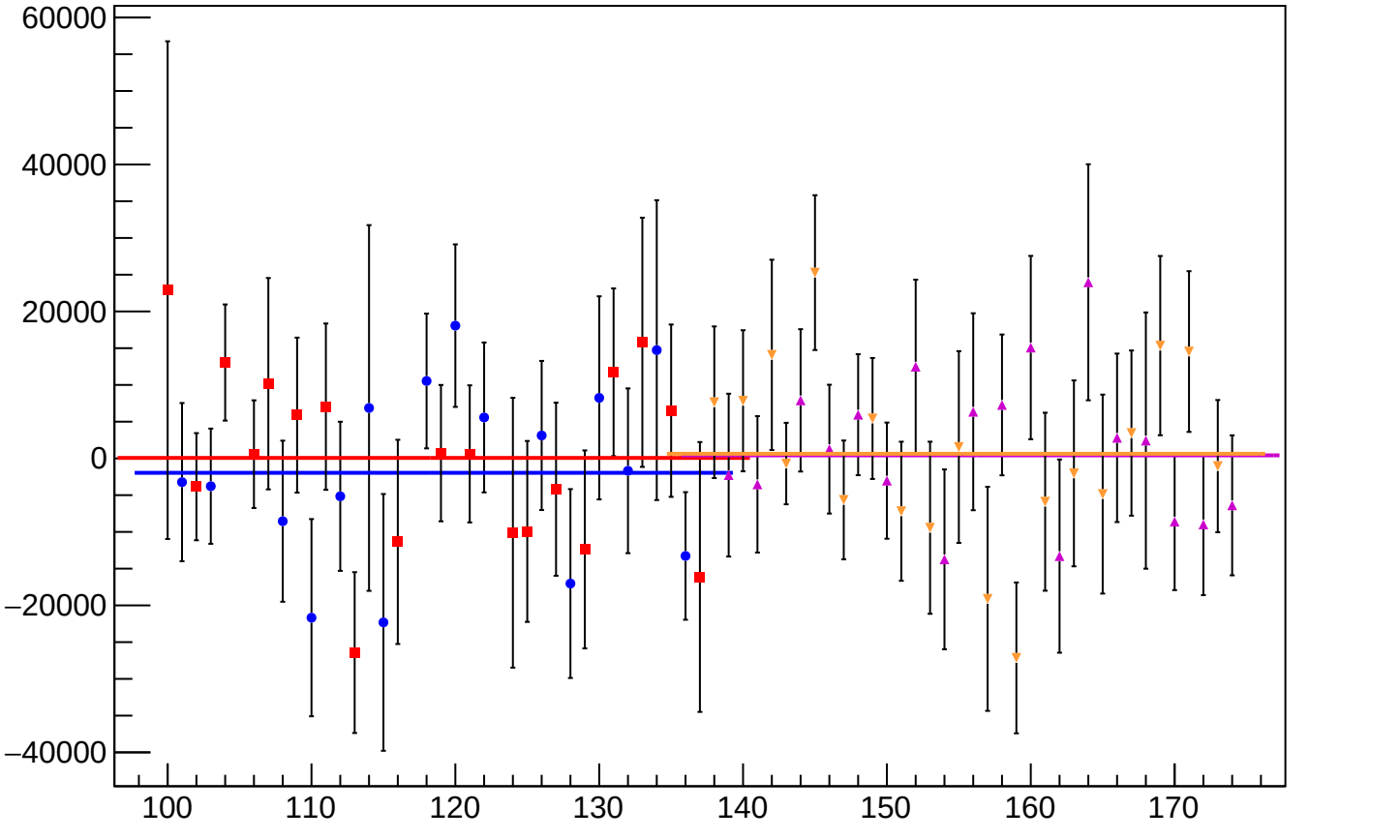
Left: 1889.320+/-0.245 χ^2/NDF: 435348.7/36

Right: 1710.357+/-0.322 χ^2/NDF: 653500.6/34

In: 1841.594+/-0.279 χ^2/NDF:590620.8/33

Out: 1806.600+/-0.273 χ^2/NDF:685360.8/37

All: 1823.730+/-0.195 χ^2/NDF: 1284012.8/71



Right In: -1958.559+/-2798.309 χ^2/NDF: 14.4/15

Left Out: 631.345+/-2295.223 χ^2/NDF:22.7/18

Right Out: 68.156+/-2529.527 χ^2/NDF: 16.1/18

Left In: 416.002+/-2463.373 χ^2/NDF:11.6/17

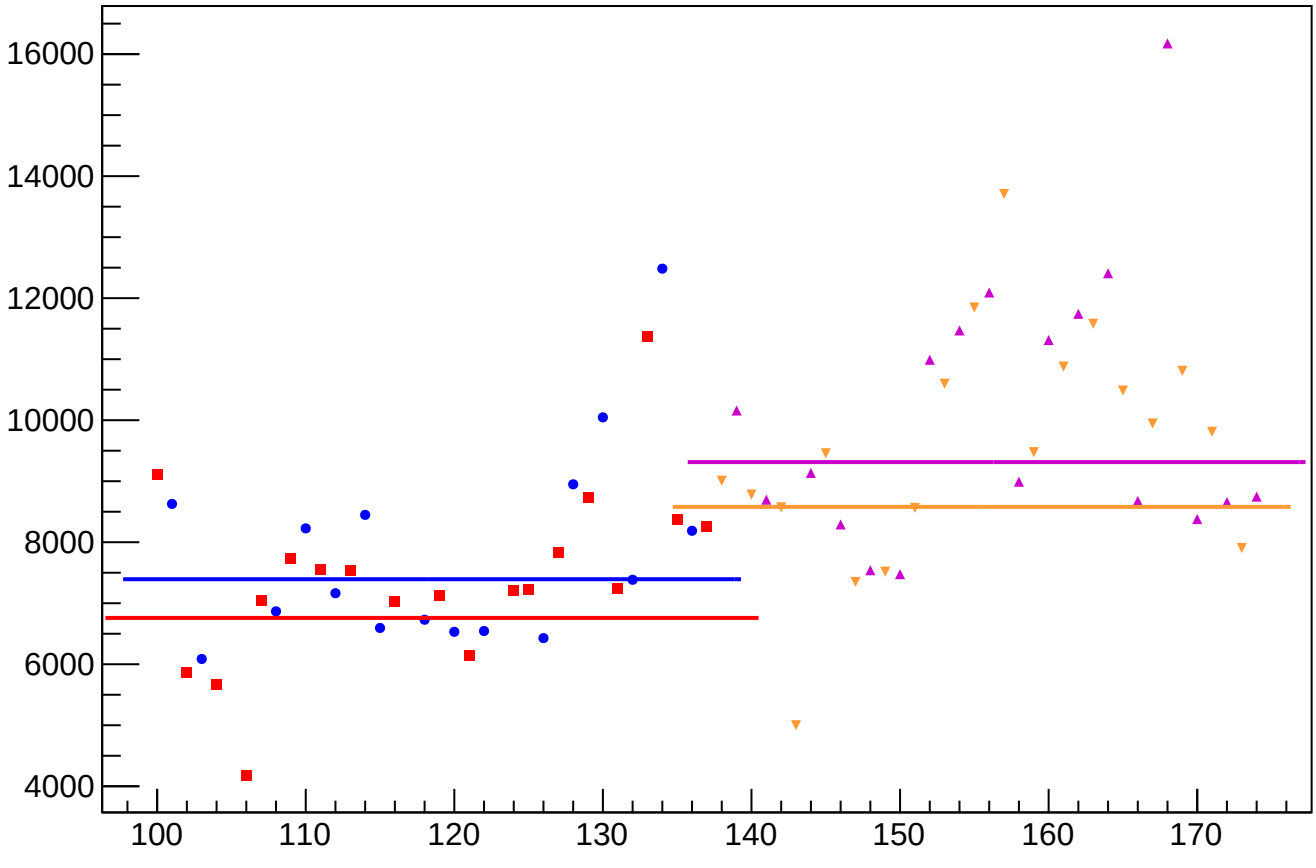
Left: 531.273+/-1679.269 χ^2/NDF: 34.3/36

Right: -843.216+/-1876.494 χ^2/NDF: 30.8/34

In: -620.734+/-1849.005 χ^2/NDF:26.4/33

Out: 377.036+/-1699.781 χ^2/NDF:38.8/37

All: -79.967+/-1251.361 χ^2/NDF: 65.4/71



Right In: 7393.622+/-1.979 χ^2/NDF: 401826.8/15

Left Out: 8579.522+/-1.623 χ^2/NDF:1715052.9/18

Right Out: 6759.428+/-1.789 χ^2/NDF: 644290.9/18

Left In: 9313.420+/-1.742 χ^2/NDF:986075.3/17

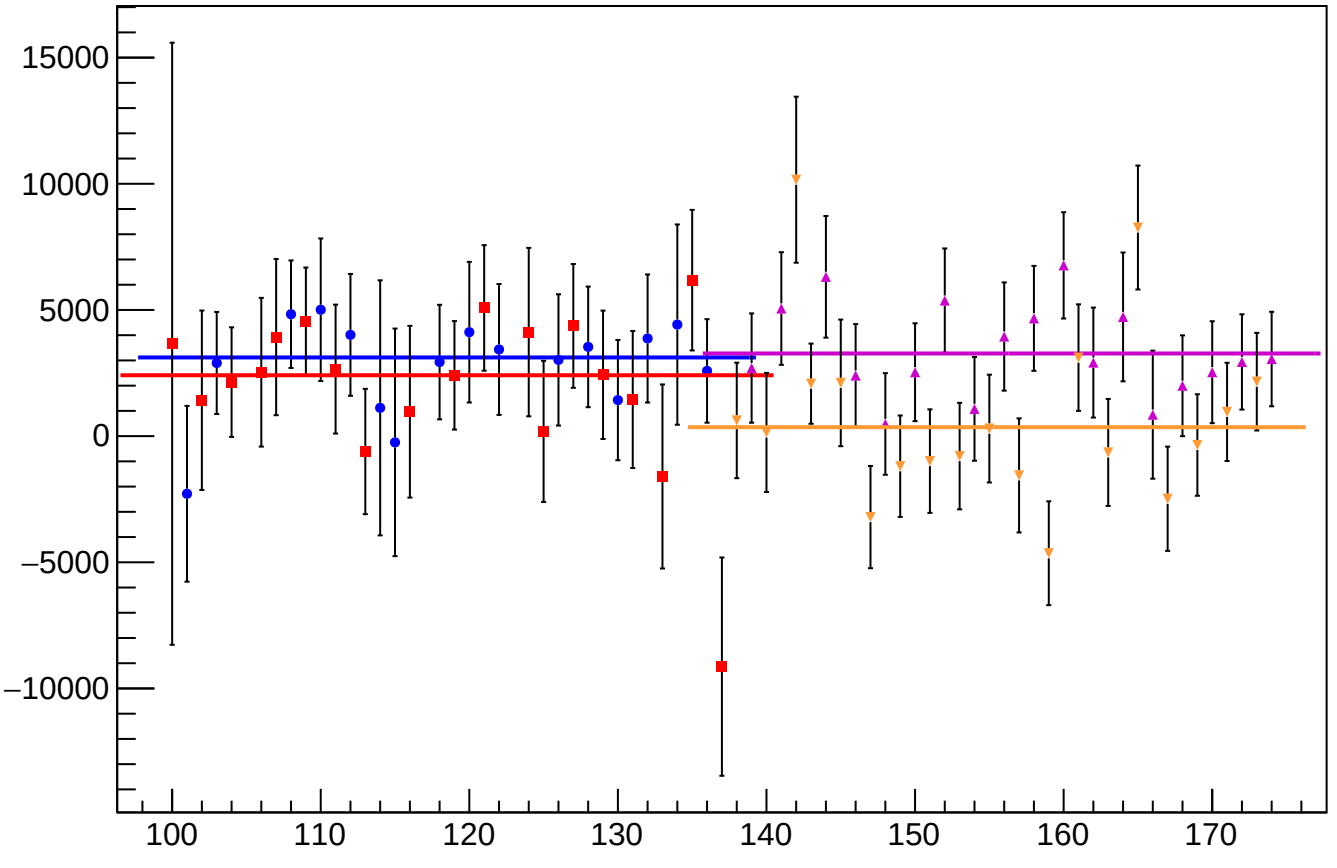
Left: 8920.570+/-1.187 χ^2/NDF: 2796151.7/36

Right: 7044.612+/-1.327 χ^2/NDF: 1102650.4/34

In: 8475.234+/-1.307 χ^2/NDF:1918255.4/33

Out: 7757.656+/-1.202 χ^2/NDF:2927248.2/37

All: 8086.324+/-0.885 χ^2/NDF: 5008760.4/71



Right In: 3117.882+/-651.118 χ^2/NDF: 5.3/15

Left Out: 354.321+/-485.165 χ^2/NDF:36.9/18

Right Out: 2412.481+/-639.018 χ^2/NDF: 16.0/18

Left In: 3275.049+/-495.997 χ^2/NDF:11.9/17

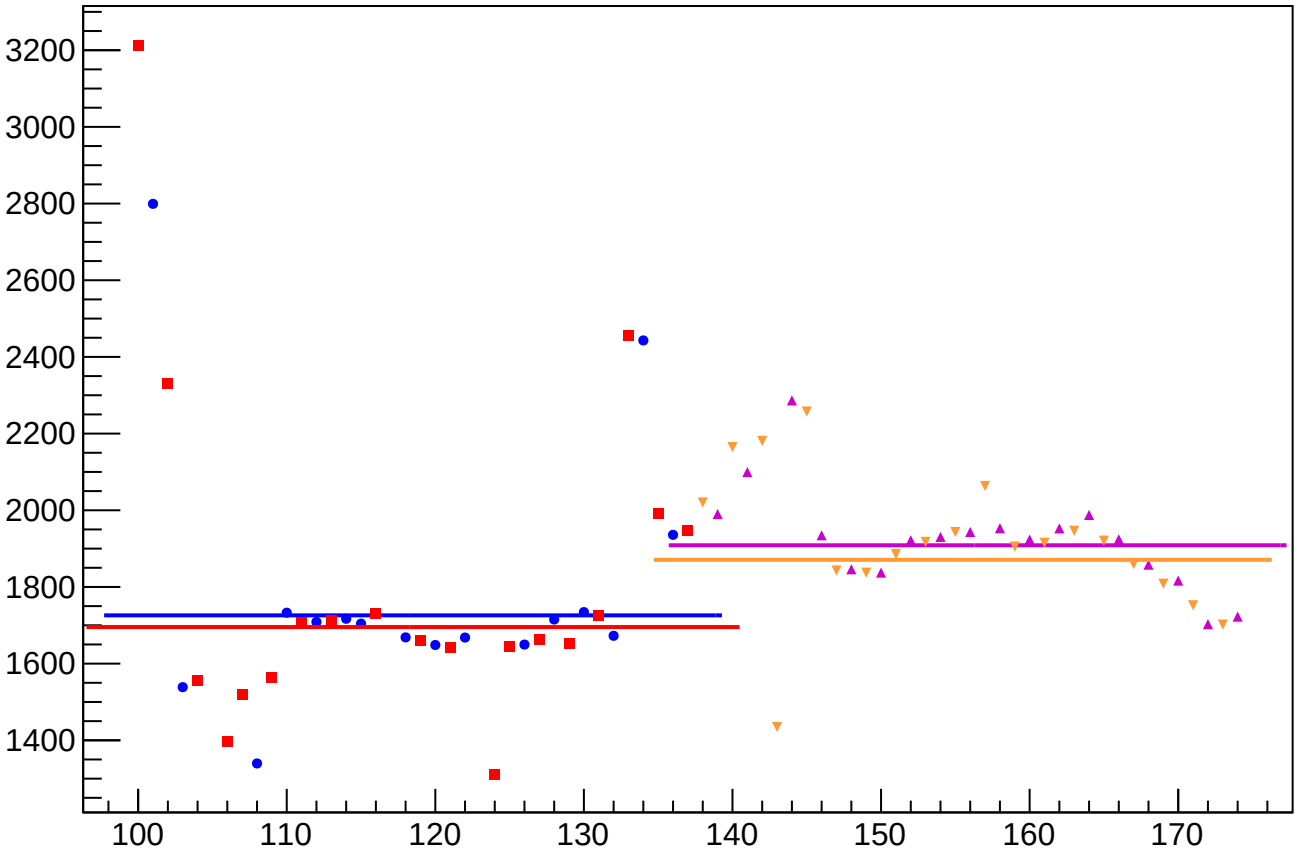
Left: 1782.446+/-346.830 χ^2/NDF: 66.5/36

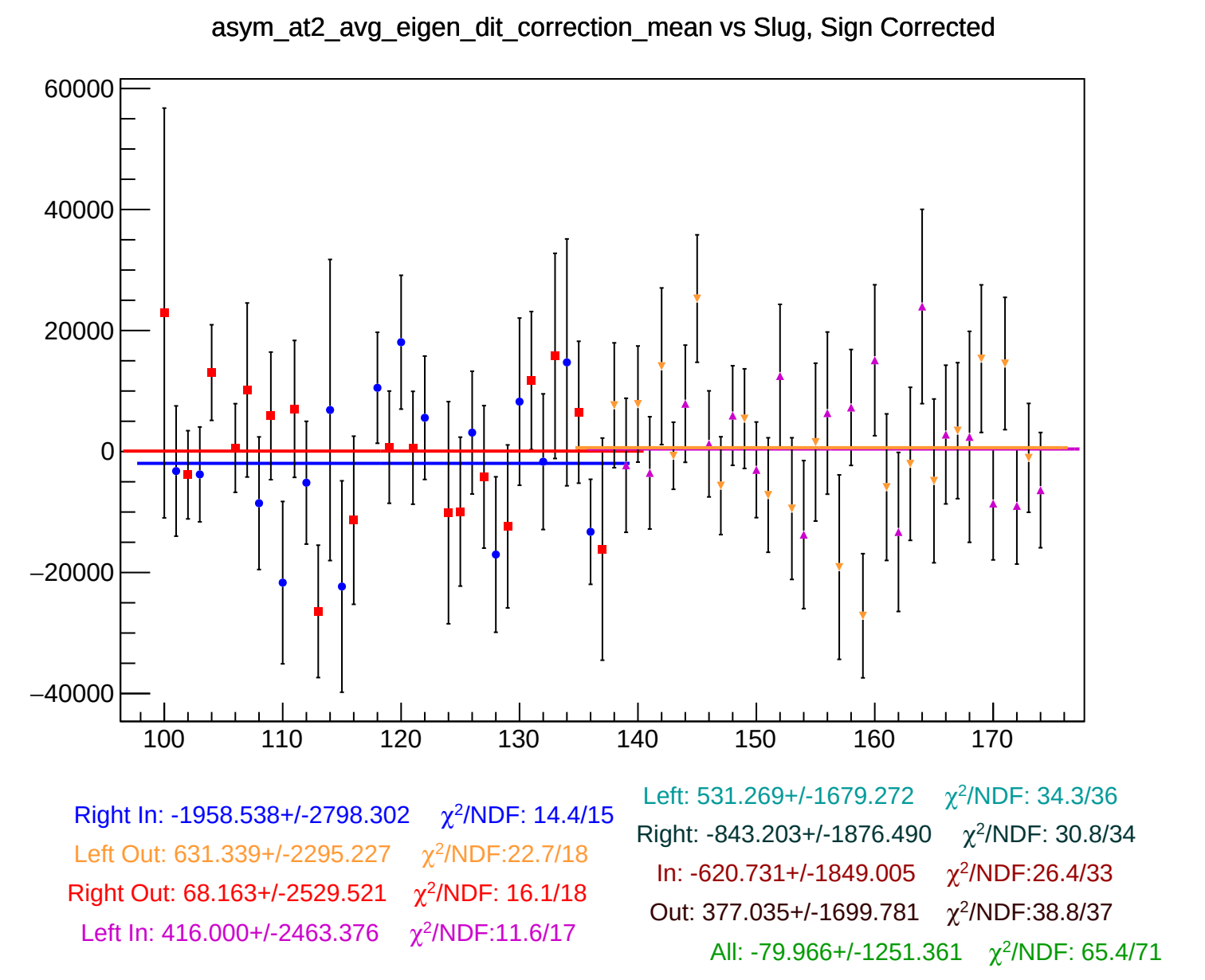
Right: 2758.566+/-456.072 χ^2/NDF: 21.9/34

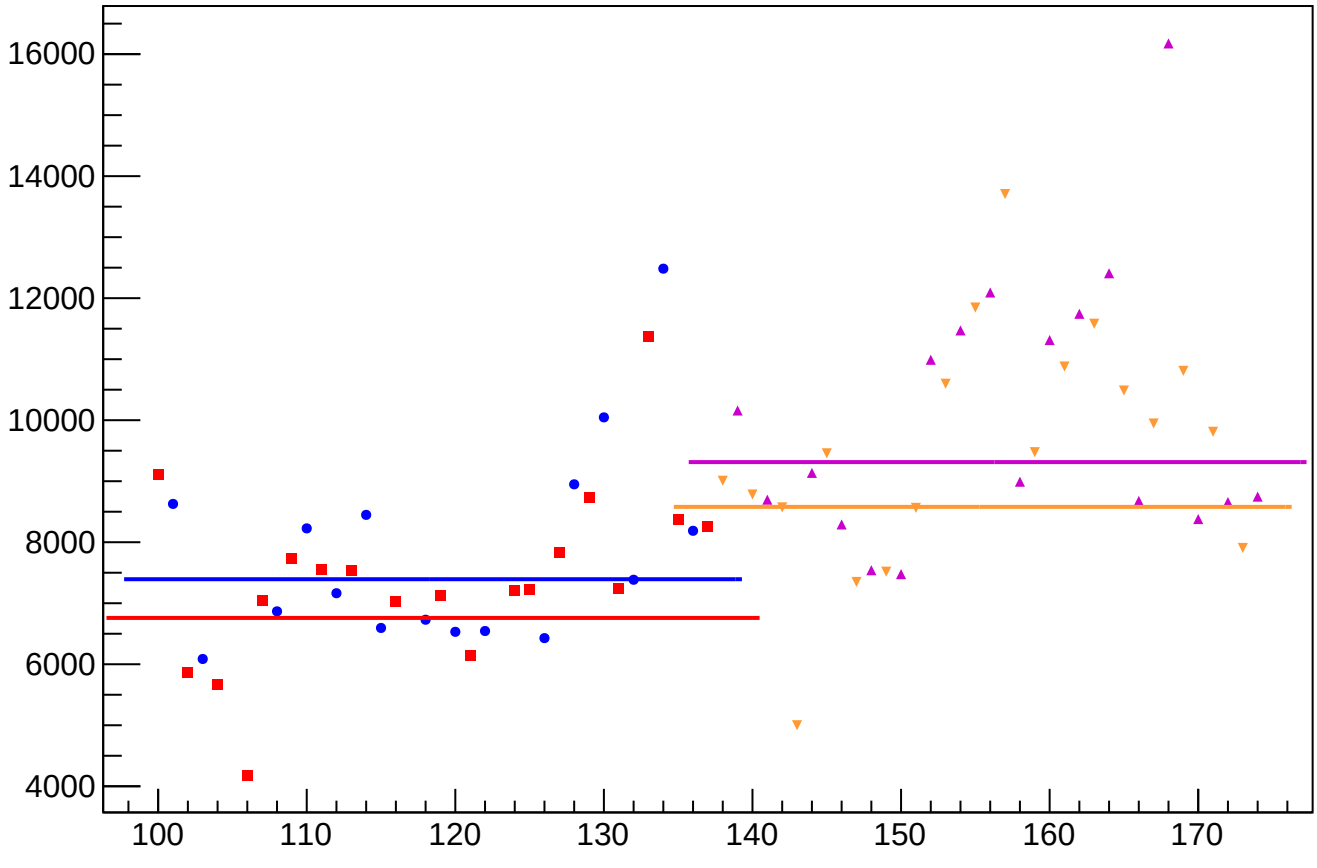
In: 3217.337+/-394.559 χ^2/NDF:17.2/33

Out: 1106.906+/-386.413 χ^2/NDF:59.4/37

All: 2140.110+/-276.070 χ^2/NDF: 91.3/71


eigen_dit_asym_at2_avg_rms vs Slug, Sign Corrected
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 1725.910+/-0.460 χ²/NDF: 365639.0/15
Left Out: 1870.757+/-0.343 χ²/NDF:304148.6/18
Right Out: 1695.387+/-0.452 χ²/NDF: 285622.3/18
Left In: 1908.725+/-0.351 χ²/NDF:125220.0/17
Left: 1889.322+/-0.245 χ²/NDF: 435357.4/36
Right: 1710.357+/-0.322 χ²/NDF: 653500.9/34
In: 1841.595+/-0.279 χ²/NDF:590628.0/33
Out: 1806.601+/-0.273 χ²/NDF:685367.8/37
All: 1823.731+/-0.195 χ²/NDF: 1284027.0/71


asym_at2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1958.538+/-2798.302 χ²/NDF: 14.4/15
Left Out: 631.339+/-2295.227 χ²/NDF:22.7/18
Right Out: 68.163+/-2529.521 χ²/NDF: 16.1/18
Left In: 416.000+/-2463.376 χ²/NDF:11.6/17
Left: 531.269+/-1679.272 χ²/NDF: 34.3/36
Right: -843.203+/-1876.490 χ²/NDF: 30.8/34
In: -620.731+/-1849.005 χ²/NDF:26.4/33
Out: 377.035+/-1699.781 χ²/NDF:38.8/37
All: -79.966+/-1251.361 χ²/NDF: 65.4/71



Right In: 7393.605+/-1.979 χ^2/NDF: 401829.0/15

Left Out: 8579.536+/-1.623 χ^2/NDF:1715052.8/18

Right Out: 6759.413+/-1.789 χ^2/NDF: 644289.7/18

Left In: 9313.433+/-1.742 χ^2/NDF:986077.1/17

Left: 8920.584+/-1.187 χ^2/NDF: 2796153.1/36

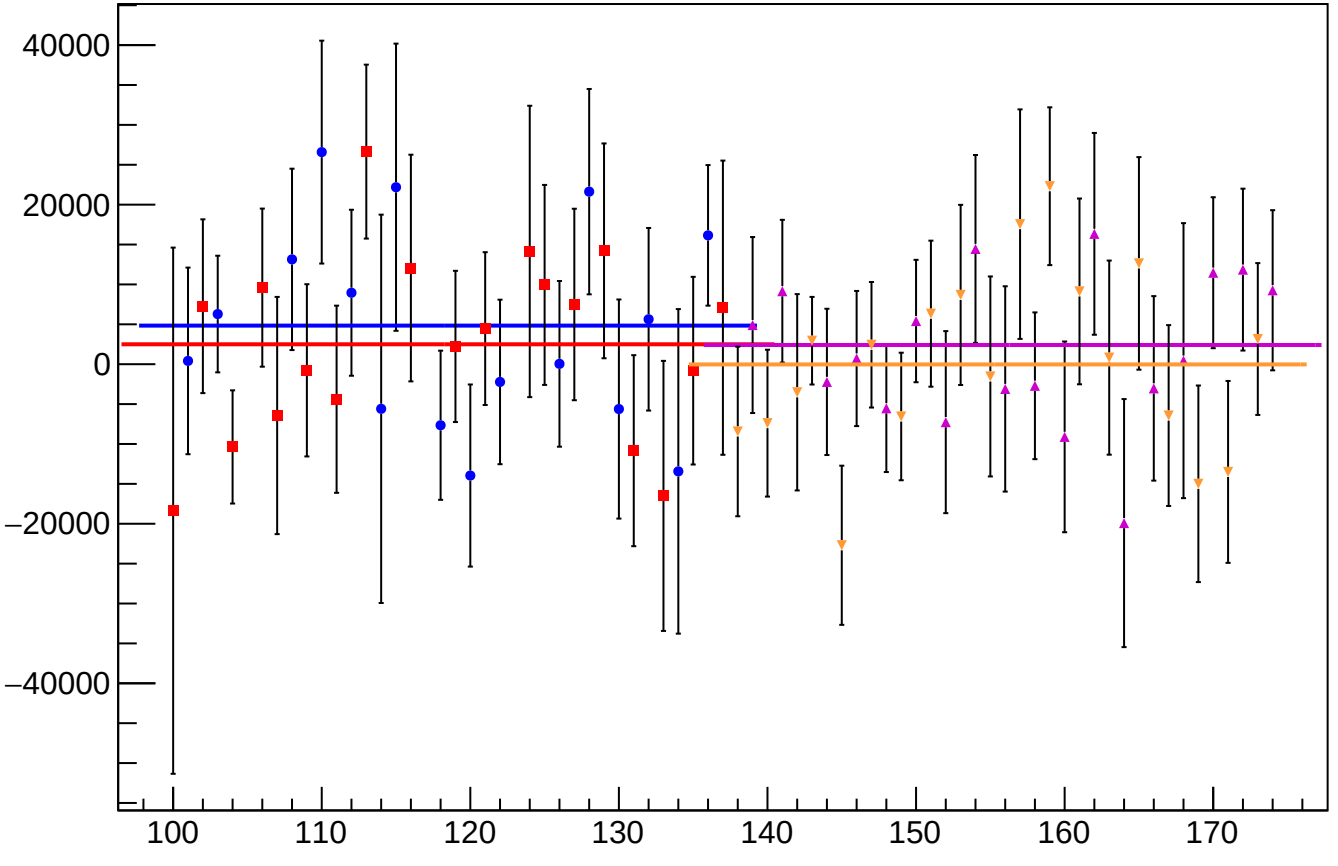
Right: 7044.596+/-1.327 χ^2/NDF: 1102651.2/34

In: 8475.230+/-1.307 χ^2/NDF:1918277.3/33

Out: 7757.654+/-1.202 χ^2/NDF:2927265.1/37

All: 8086.322+/-0.885 χ^2/NDF: 5008798.7/71

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 4837.820+/-2828.918 χ^2/NDF: 14.3/15

Left Out: -28.488+/-2256.829 χ^2/NDF:20.1/18

Right Out: 2495.844+/-2695.530 χ^2/NDF: 14.9/18

Left In: 2408.180+/-2418.373 χ^2/NDF:11.0/17

Left: 1105.751+/-1649.975 χ^2/NDF: 31.6/36

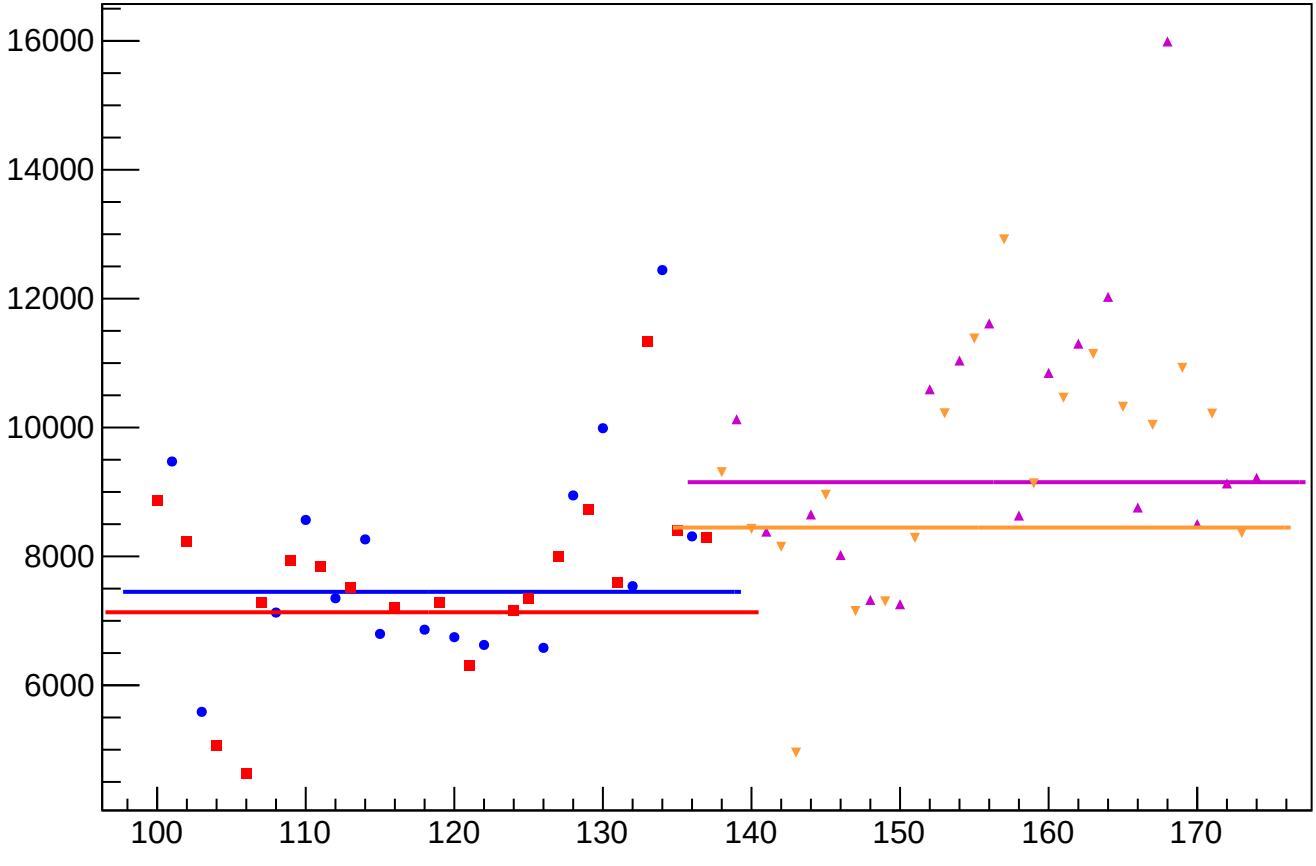
Right: 3610.318+/-1951.480 χ^2/NDF: 29.6/34

In: 3434.063+/-1838.223 χ^2/NDF:25.8/33

Out: 1011.803+/-1730.408 χ^2/NDF:35.5/37

All: 2149.818+/-1259.975 χ^2/NDF: 62.2/71

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7449.985+/-2.000 χ^2/NDF: 486427.7/15

Left Out: 8447.742+/-1.596 χ^2/NDF:1652926.0/18

Right Out: 7133.115+/-1.906 χ^2/NDF: 556993.0/18

Left In: 9151.641+/-1.710 χ^2/NDF:954546.5/17

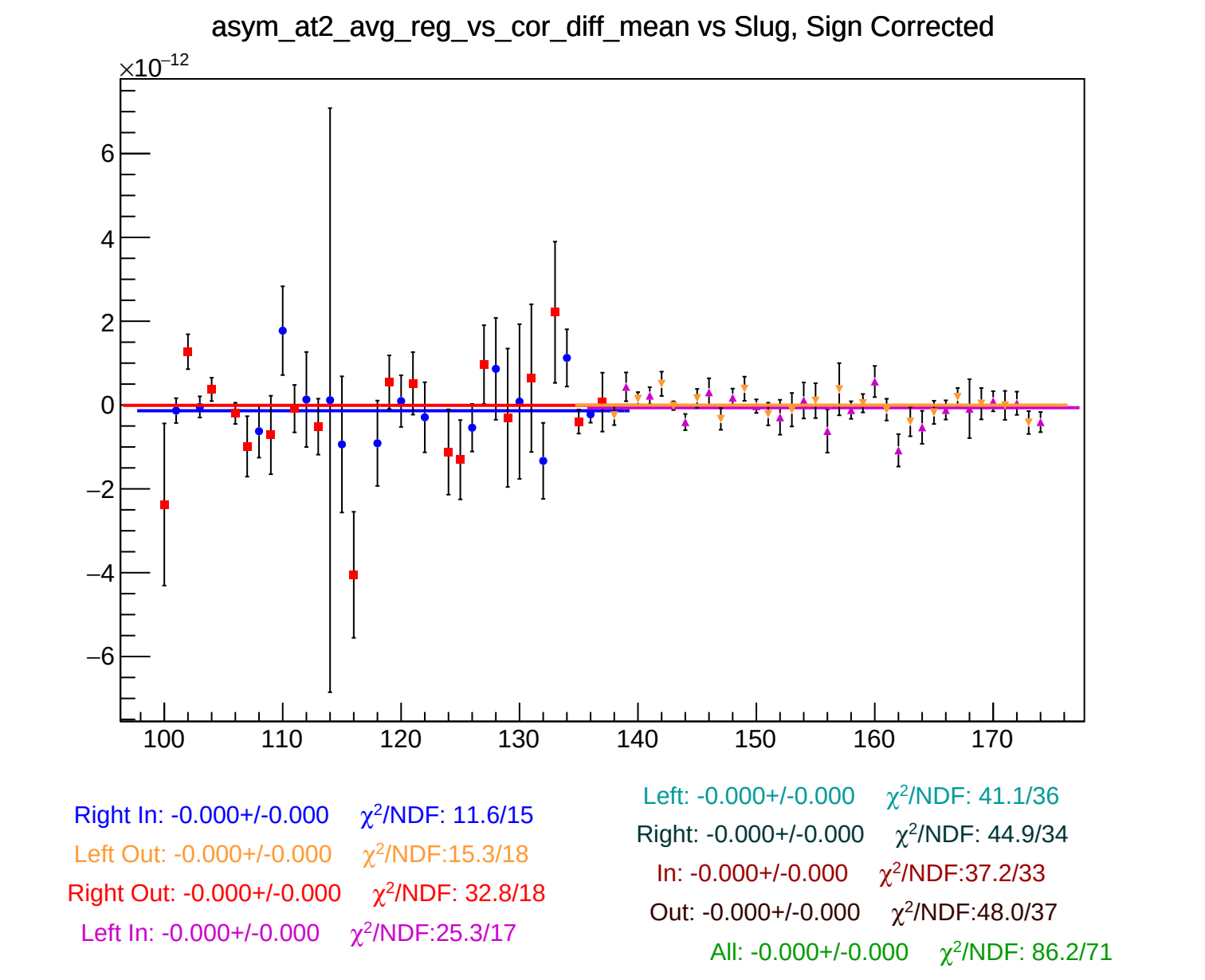
Left: 8775.398+/-1.167 χ^2/NDF: 2698037.7/36

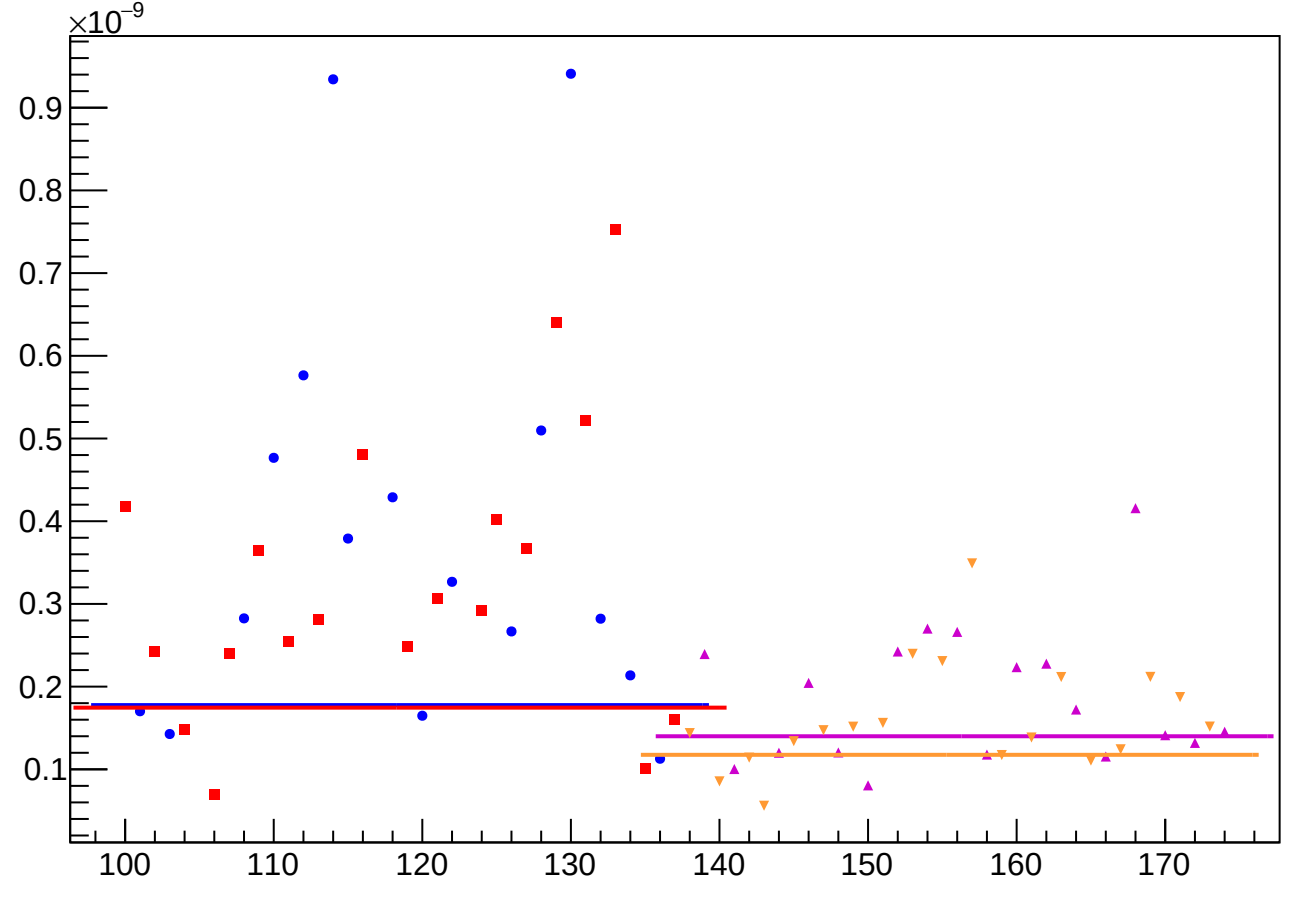
Right: 7283.894+/-1.380 χ^2/NDF: 1056573.7/34

In: 8433.132+/-1.300 χ^2/NDF:1859080.7/33

Out: 7905.932+/-1.224 χ^2/NDF:2489612.3/37

All: 8153.612+/-0.891 χ^2/NDF: 4435914.9/71


asym_at2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.6/15
Left Out: -0.000+/-0.000 χ²/NDF:15.3/18
Right Out: -0.000+/-0.000 χ²/NDF: 32.8/18
Left In: -0.000+/-0.000 χ²/NDF:25.3/17
Left: -0.000+/-0.000 χ²/NDF: 41.1/36
Right: -0.000+/-0.000 χ²/NDF: 44.9/34
In: -0.000+/-0.000 χ²/NDF:37.2/33
Out: -0.000+/-0.000 χ²/NDF:48.0/37
All: -0.000+/-0.000 χ²/NDF: 86.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 1530066.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1937722.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1641366.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1625973.5/17

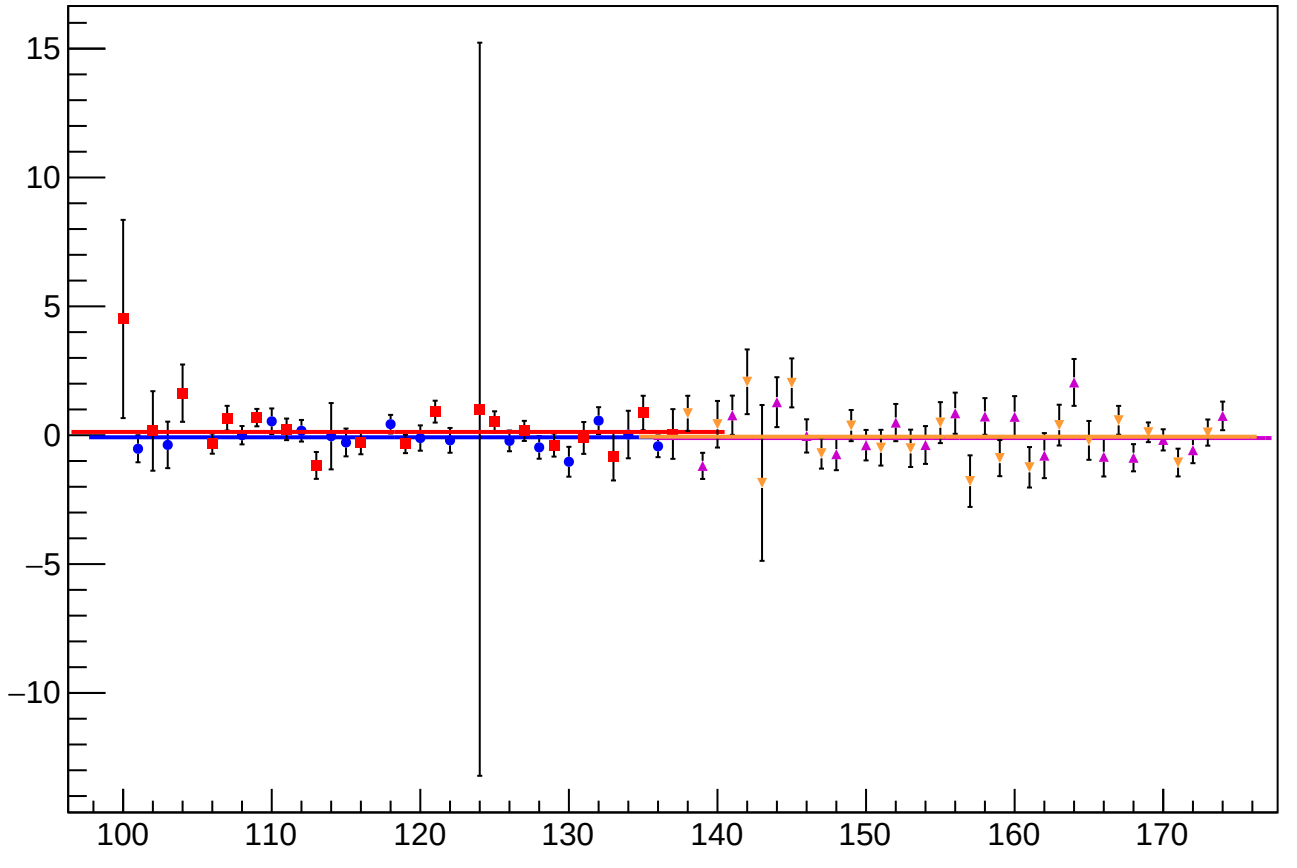
Left: 0.000+/-0.000 χ^2/NDF: 3711822.2/36

Right: 0.000+/-0.000 χ^2/NDF: 3172068.5/34

In: 0.000+/-0.000 χ^2/NDF:3311299.9/33

Out: 0.000+/-0.000 χ^2/NDF:3940290.7/37

All: 0.000+/-0.000 χ^2/NDF: 7417816.4/71



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

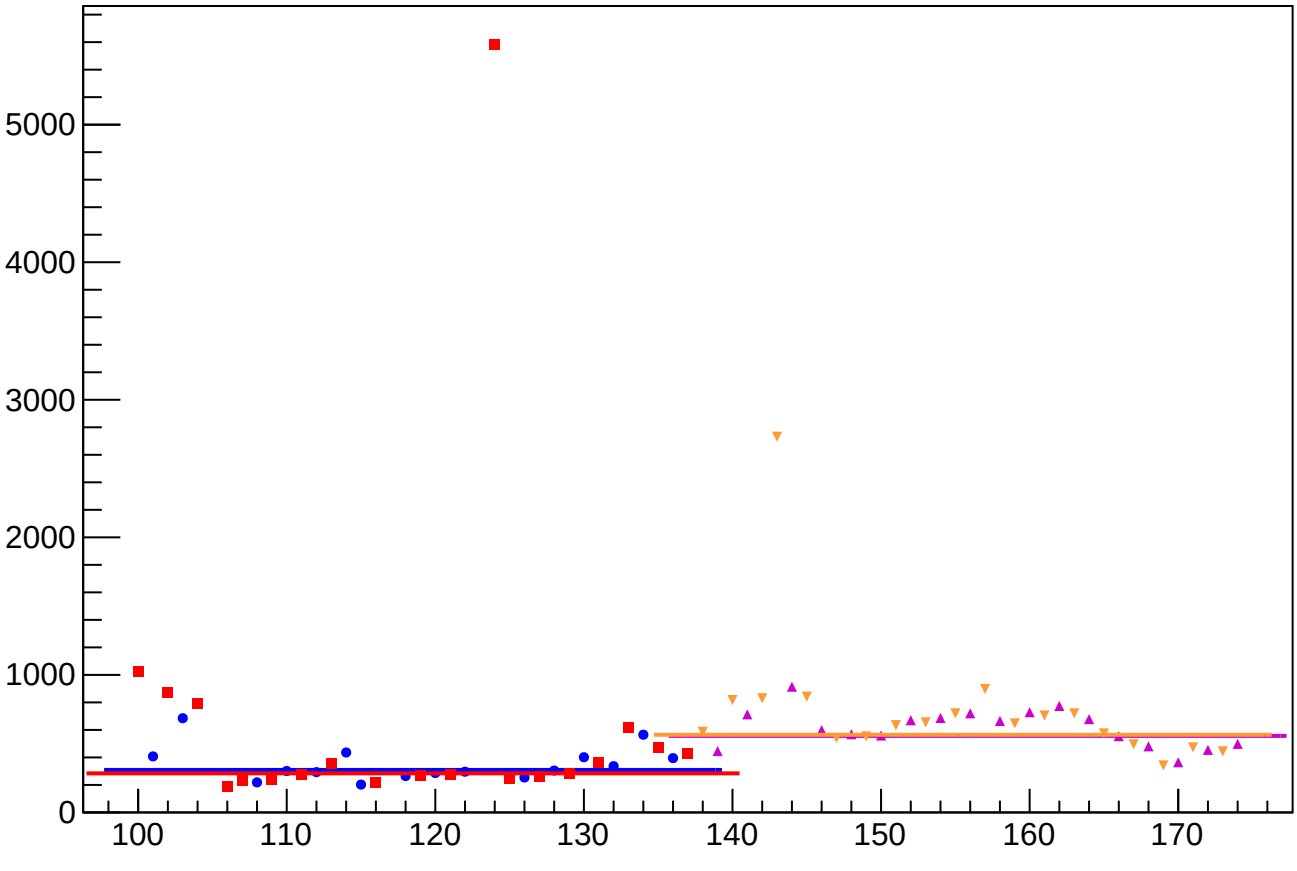
Left: -0.084+/-0.108 χ^2/NDF: 51.6/36

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.015+/-0.066 χ^2/NDF: 89.8/71



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847341.7/18

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

Left: 560.576+/-0.076 χ^2/NDF: 4387511.1/36

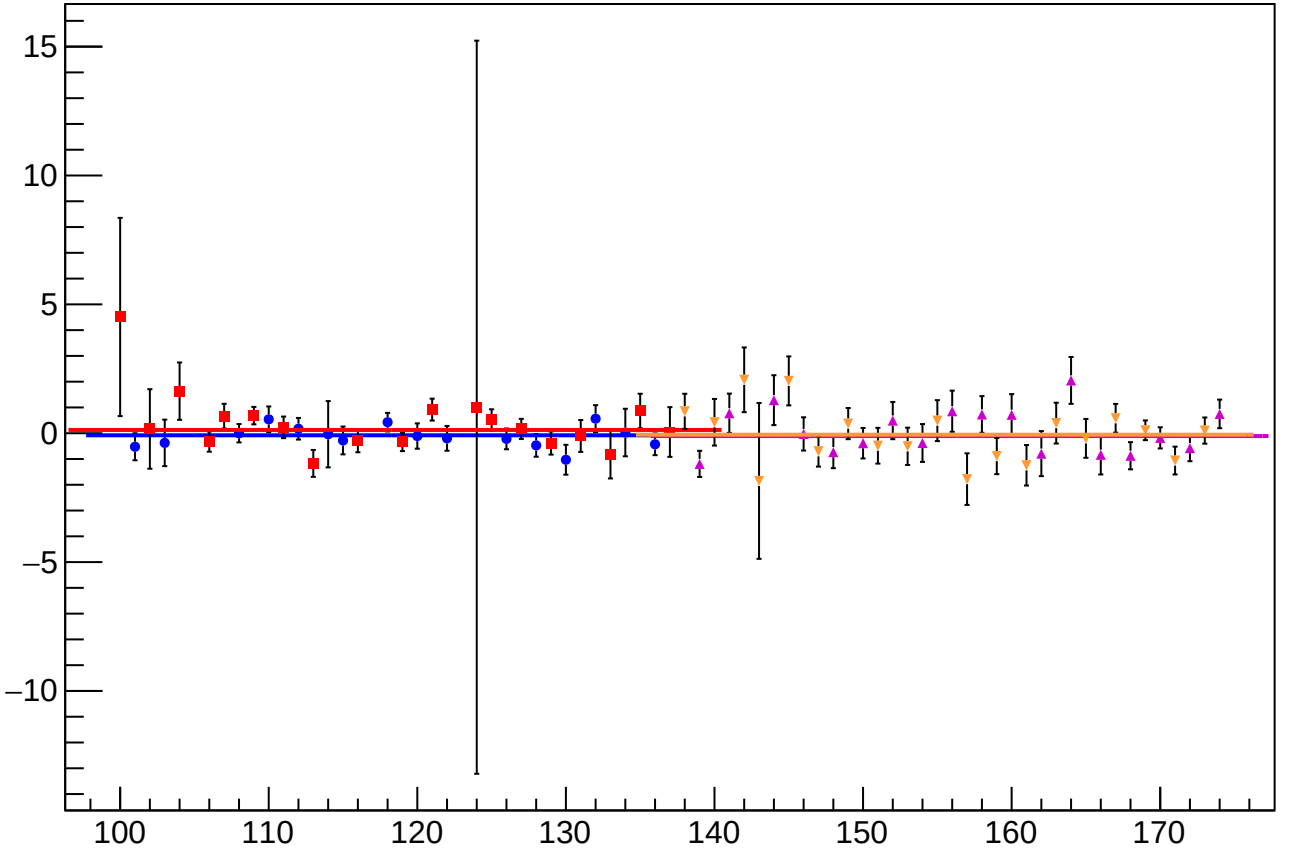
Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 407.291+/-0.067 χ^2/NDF:5825299.7/33

Out: 386.082+/-0.066 χ^2/NDF:8887159.0/37

All: 396.533+/-0.047 χ^2/NDF: 14763392.4/71

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

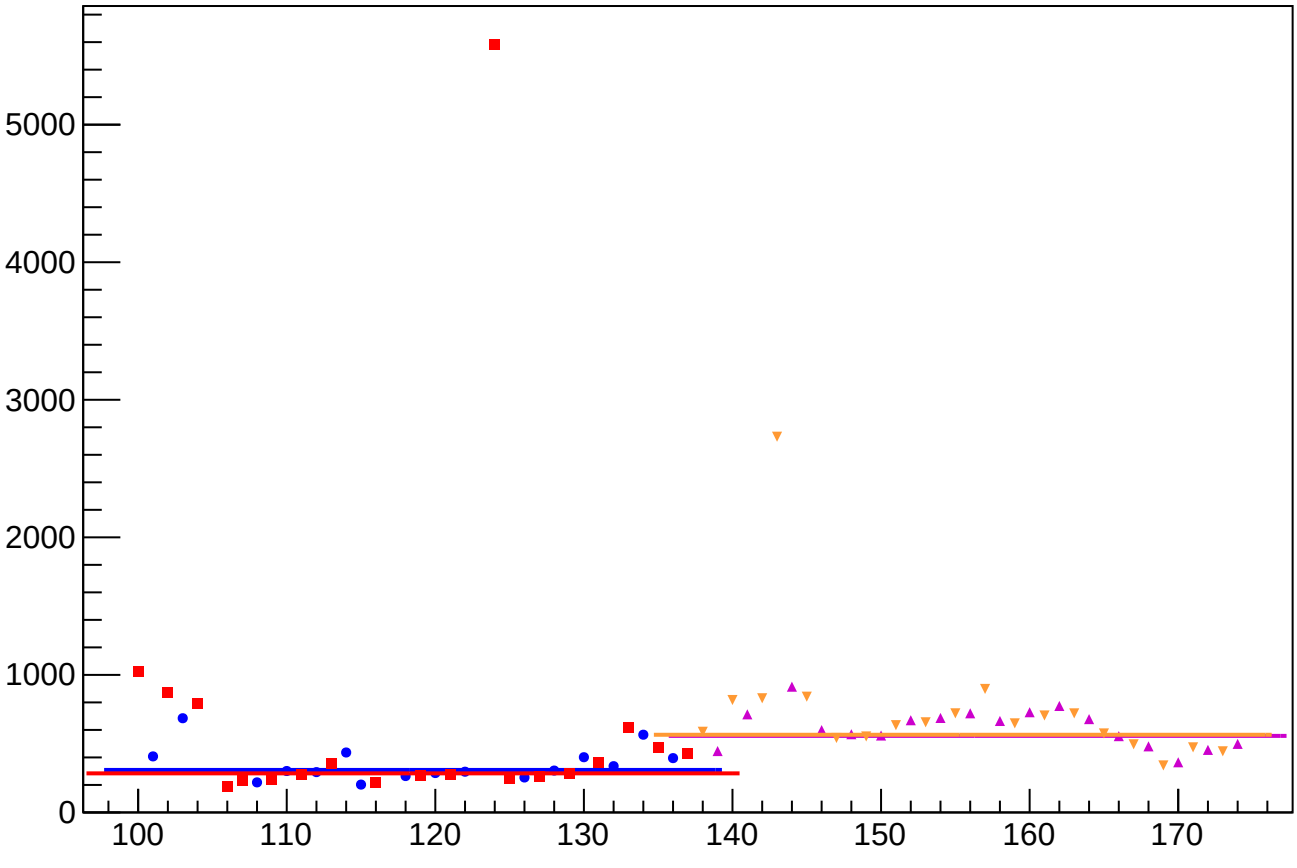
Left: -0.084+/-0.108 χ^2/NDF: 51.6/36

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.015+/-0.066 χ^2/NDF: 89.8/71



Right In: 309.093+/-0.086 χ^2/NDF: 1014604.9/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847341.7/18

Right Out: 284.189+/-0.083 χ^2/NDF: 1856451.4/18

Left In: 556.624+/-0.106 χ^2/NDF:1537318.2/17

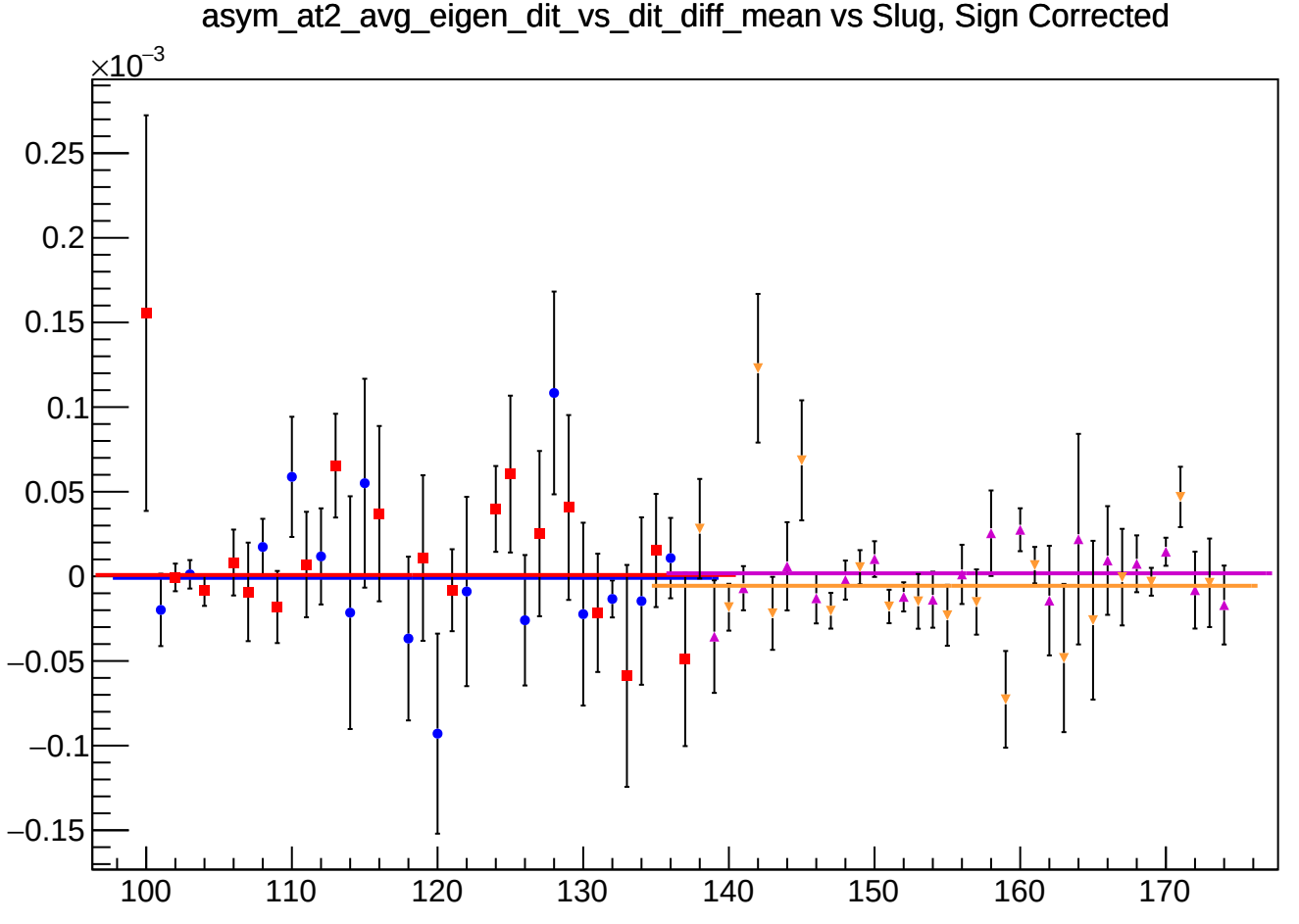
Left: 560.576+/-0.076 χ^2/NDF: 4387511.1/36

Right: 296.124+/-0.060 χ^2/NDF: 2914551.5/34

In: 407.291+/-0.067 χ^2/NDF:5825299.7/33

Out: 386.082+/-0.066 χ^2/NDF:8887159.0/37

All: 396.533+/-0.047 χ^2/NDF: 14763392.4/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:38.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

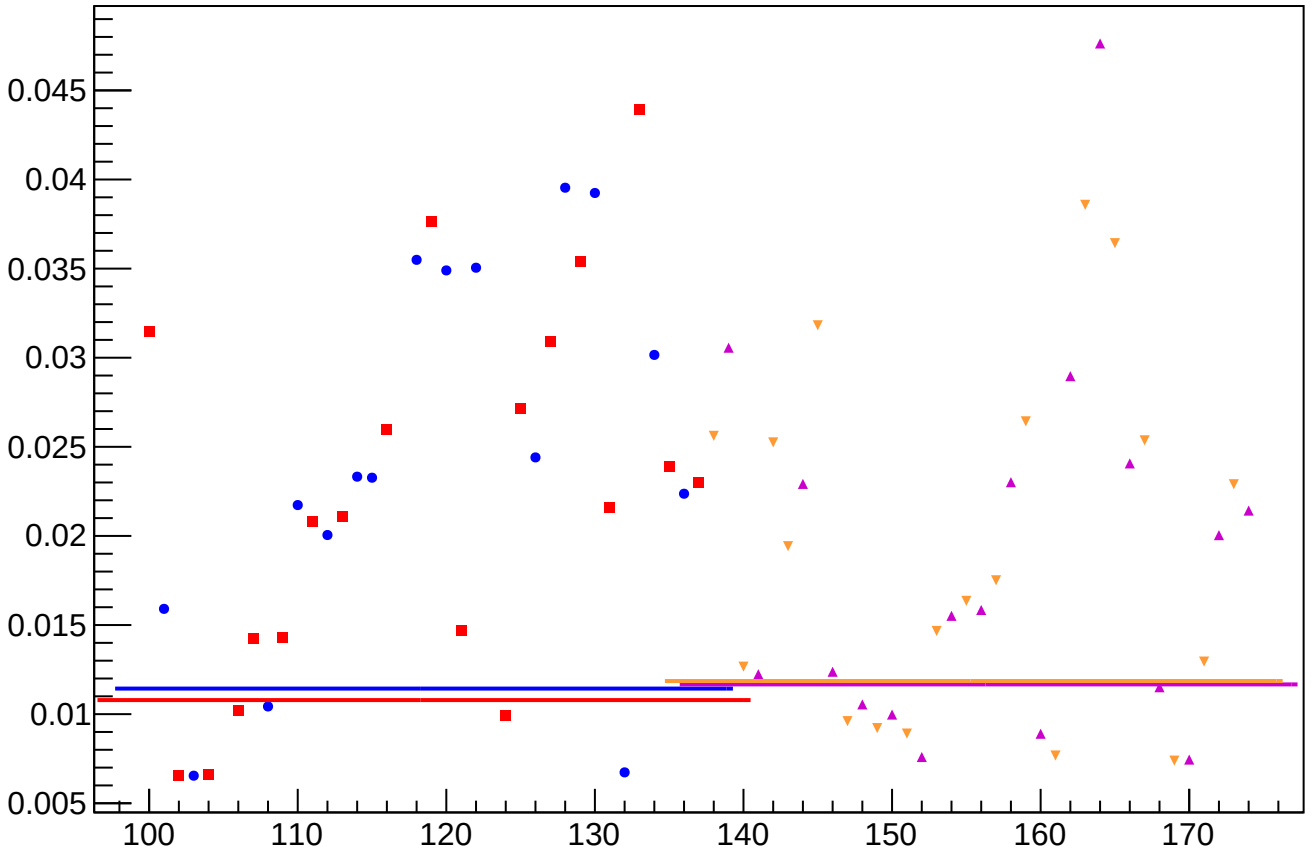
Left: -0.000+/-0.000 χ^2/NDF: 56.5/36

Right: 0.000+/-0.000 χ^2/NDF: 30.7/34

In: 0.000+/-0.000 χ^2/NDF:30.4/33

Out: -0.000+/-0.000 χ^2/NDF:55.8/37

All: -0.000+/-0.000 χ^2/NDF: 87.3/71



Right In: 0.011+/-0.000 χ^2/NDF: 4699938.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:5789567.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 4473688.9/18

Left In: 0.012+/-0.000 χ^2/NDF:4945315.8/17

Left: 0.012+/-0.000 χ^2/NDF: 10737791.4/36

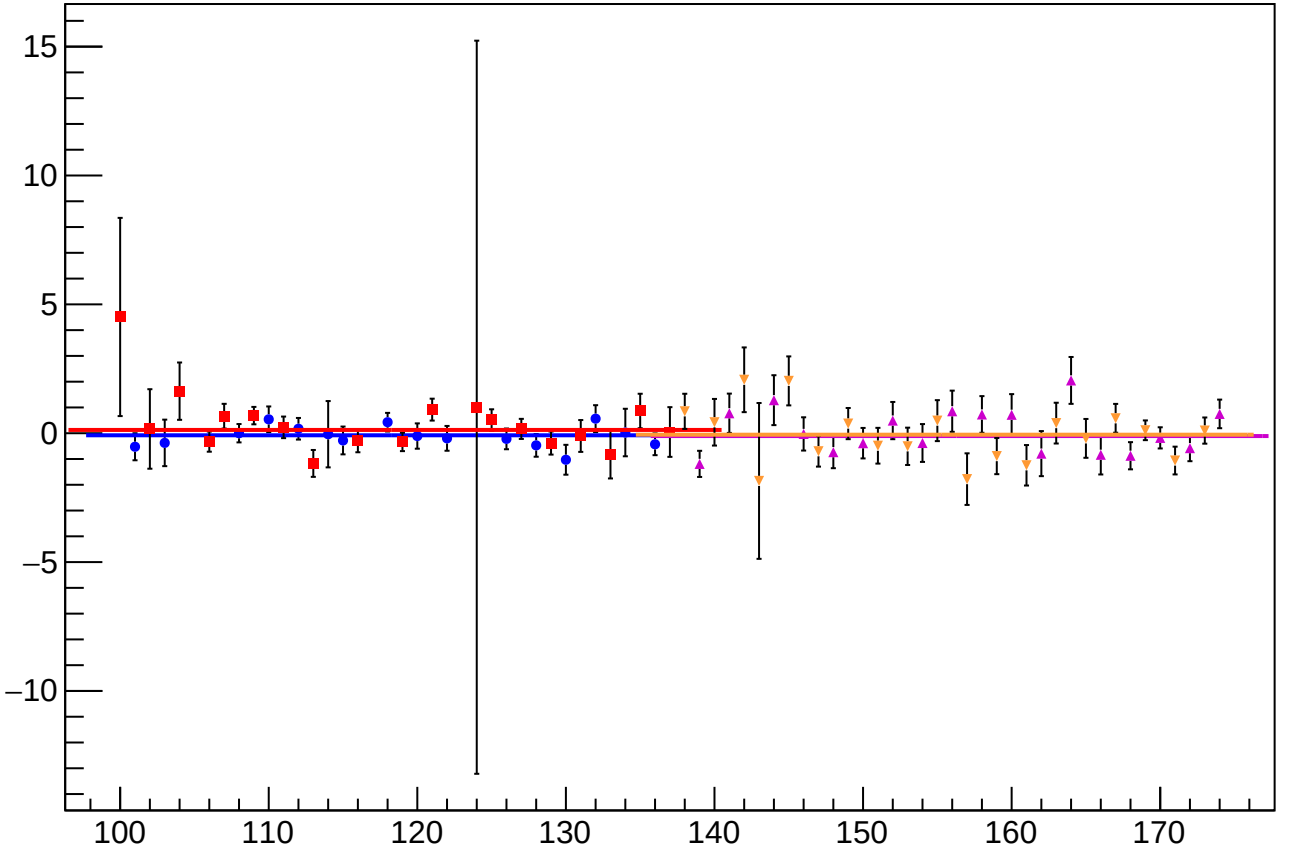
Right: 0.011+/-0.000 χ^2/NDF: 9189725.1/34

In: 0.012+/-0.000 χ^2/NDF:9647948.0/33

Out: 0.011+/-0.000 χ^2/NDF:10326807.1/37

All: 0.012+/-0.000 χ^2/NDF: 19976245.4/71

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

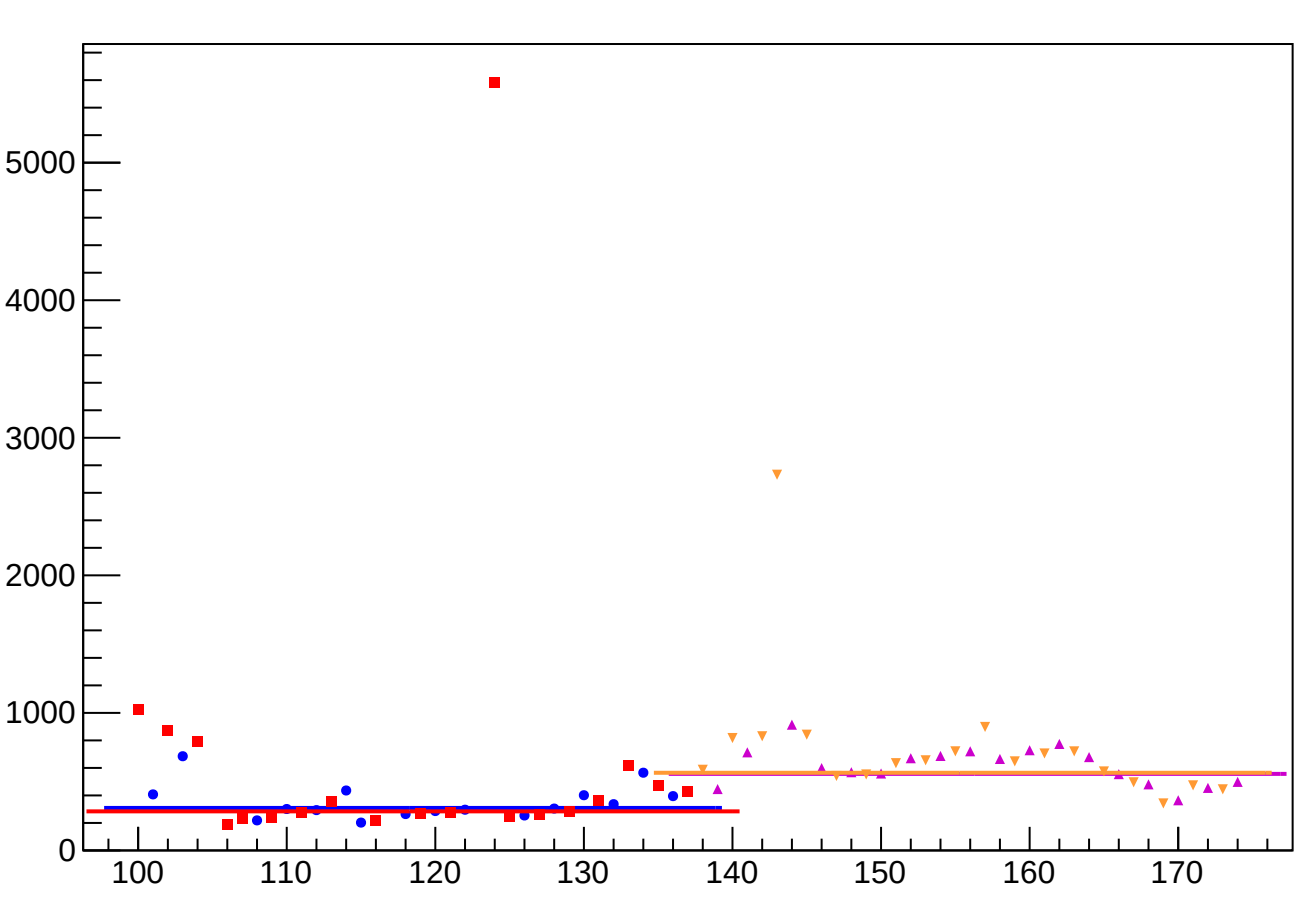
Left: -0.084+/-0.108 χ^2/NDF: 51.6/36

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.015+/-0.066 χ^2/NDF: 89.8/71



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847495.5/18

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

Left: 560.577+/-0.076 χ^2/NDF: 4387749.8/36

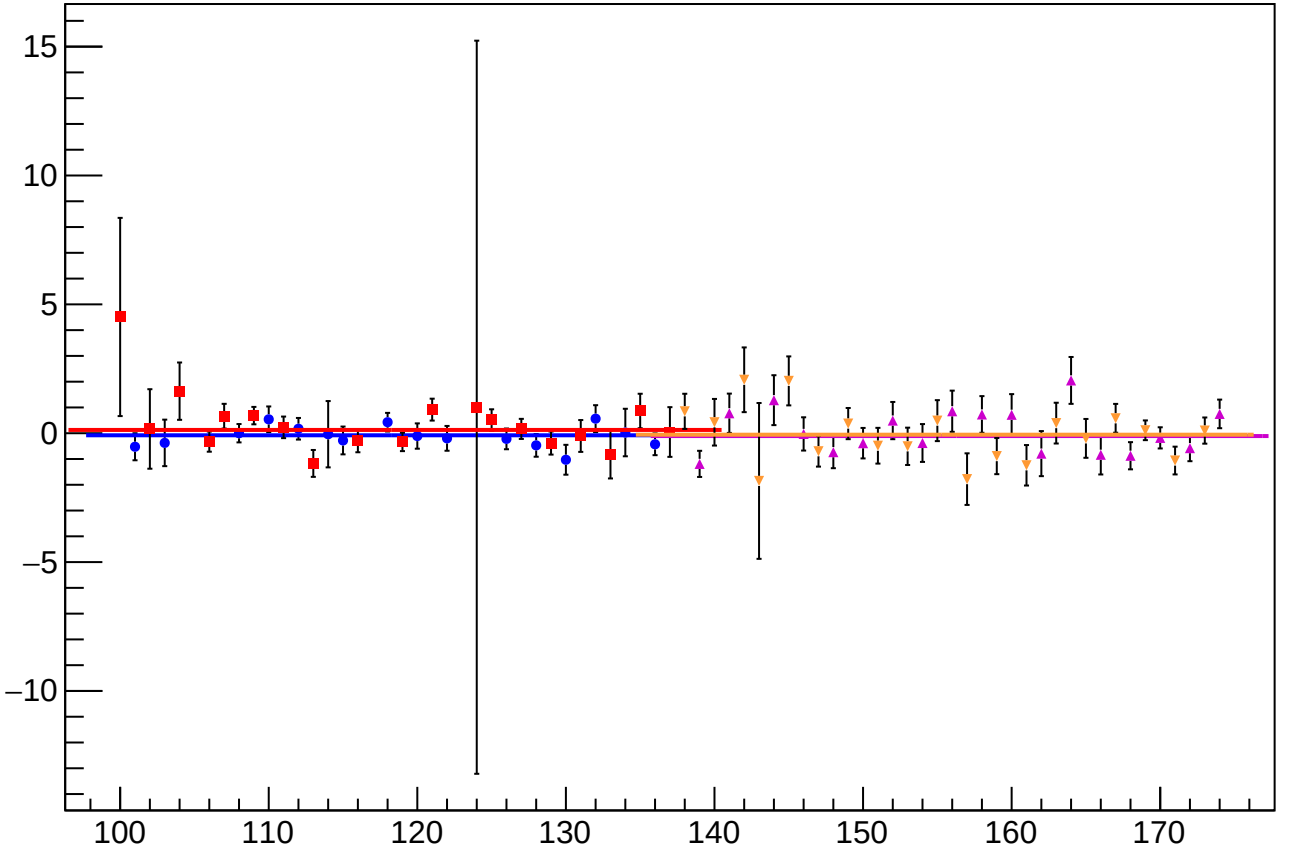
Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 407.291+/-0.067 χ^2/NDF:5825423.7/33

Out: 386.081+/-0.066 χ^2/NDF:8887309.8/37

All: 396.533+/-0.047 χ^2/NDF: 14763669.8/71

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.080+/-0.122 χ^2/NDF: 10.8/15

Left Out: -0.057+/-0.155 χ^2/NDF:25.1/18

Right Out: 0.128+/-0.117 χ^2/NDF: 25.3/18

Left In: -0.110+/-0.150 χ^2/NDF:26.4/17

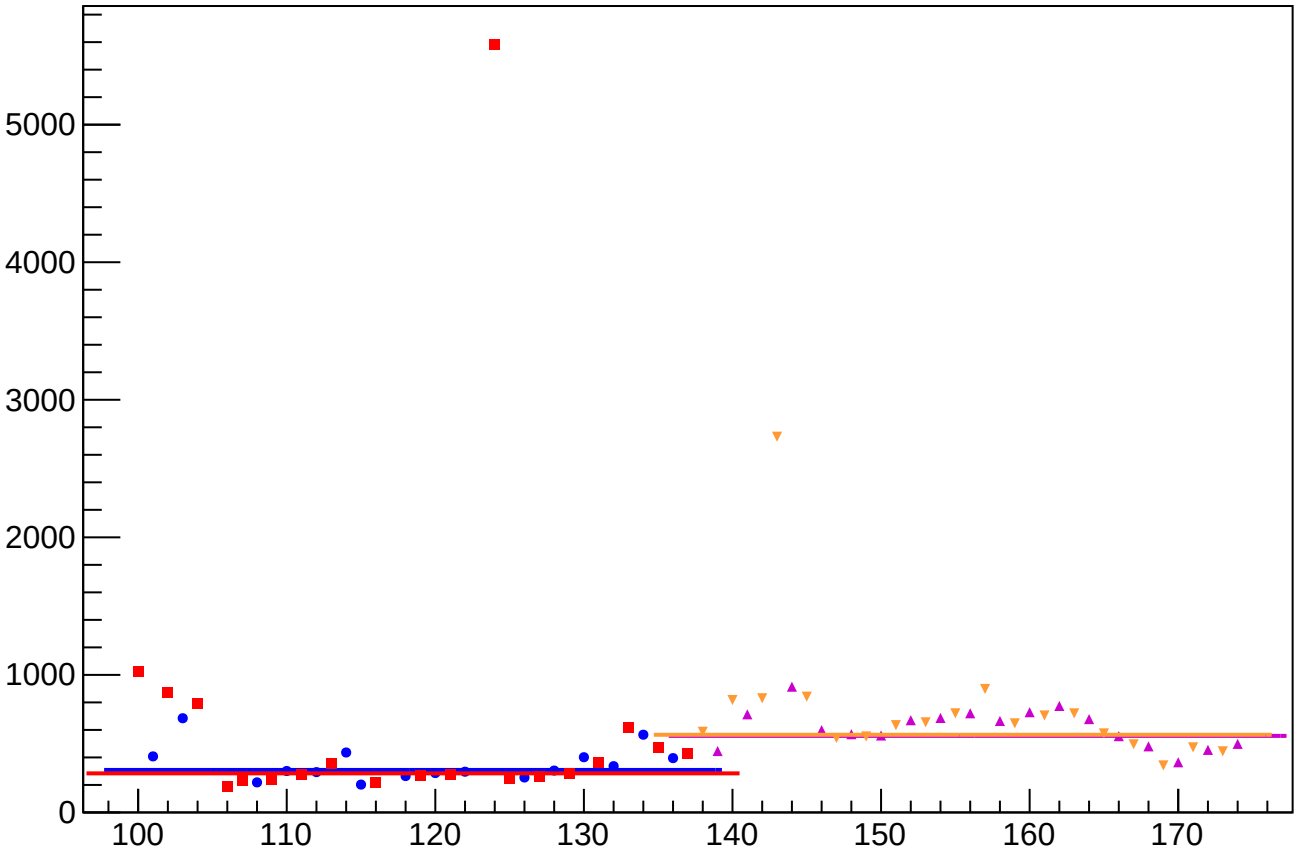
Left: -0.084+/-0.108 χ^2/NDF: 51.6/36

Right: 0.028+/-0.084 χ^2/NDF: 37.5/34

In: -0.092+/-0.095 χ^2/NDF:37.2/33

Out: 0.060+/-0.093 χ^2/NDF:51.3/37

All: -0.015+/-0.066 χ^2/NDF: 89.8/71



Right In: 309.093+/-0.086 χ^2/NDF: 1014573.4/15

Left Out: 564.770+/-0.109 χ^2/NDF:2847495.5/18

Right Out: 284.188+/-0.083 χ^2/NDF: 1856434.1/18

Left In: 556.626+/-0.106 χ^2/NDF:1537404.8/17

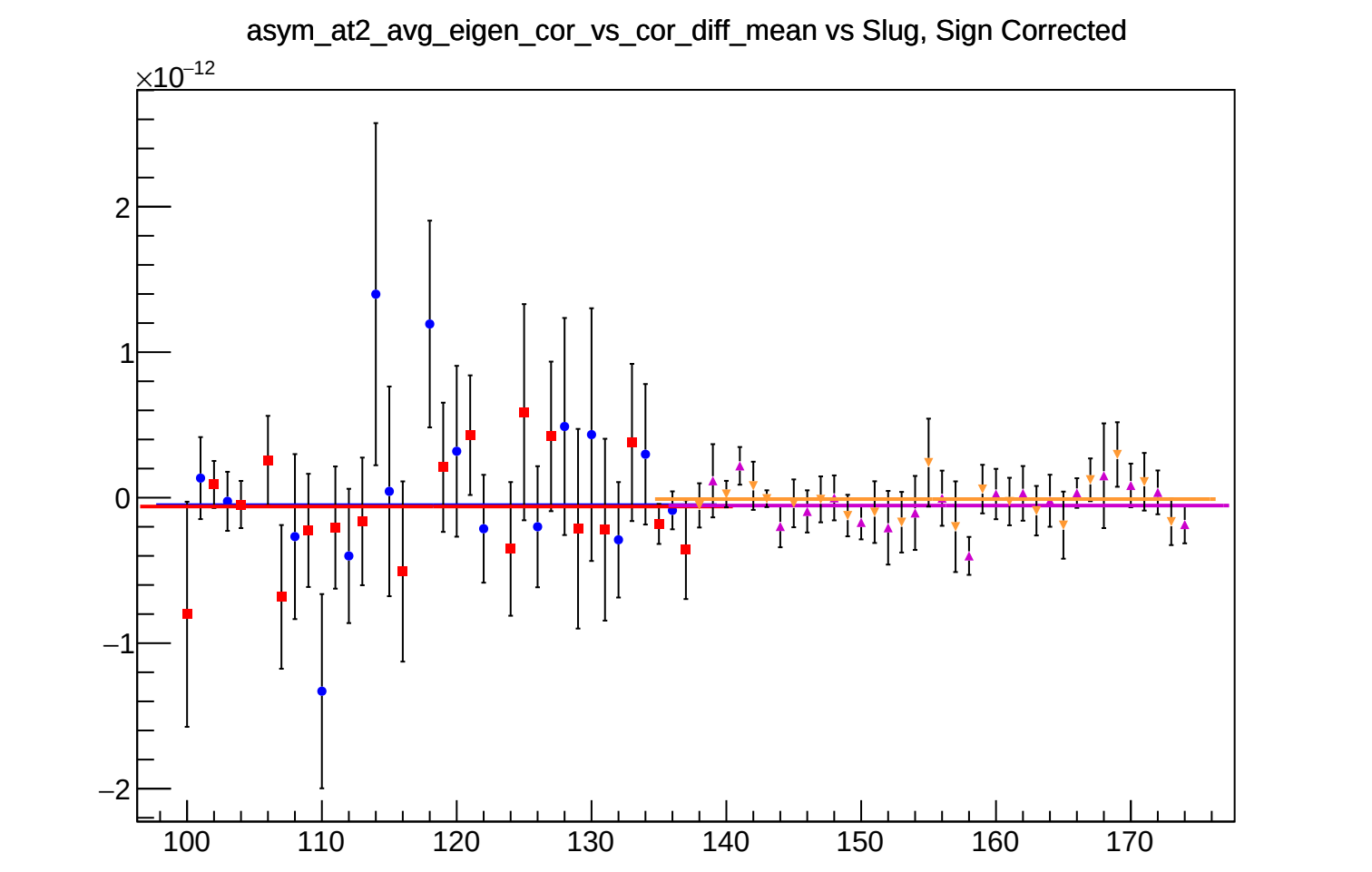
Left: 560.577+/-0.076 χ^2/NDF: 4387749.8/36

Right: 296.124+/-0.060 χ^2/NDF: 2914502.7/34

In: 407.291+/-0.067 χ^2/NDF:5825423.7/33

Out: 386.081+/-0.066 χ^2/NDF:8887309.8/37

All: 396.533+/-0.047 χ^2/NDF: 14763669.8/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:8.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: -0.000+/-0.000 χ^2/NDF:18.3/17

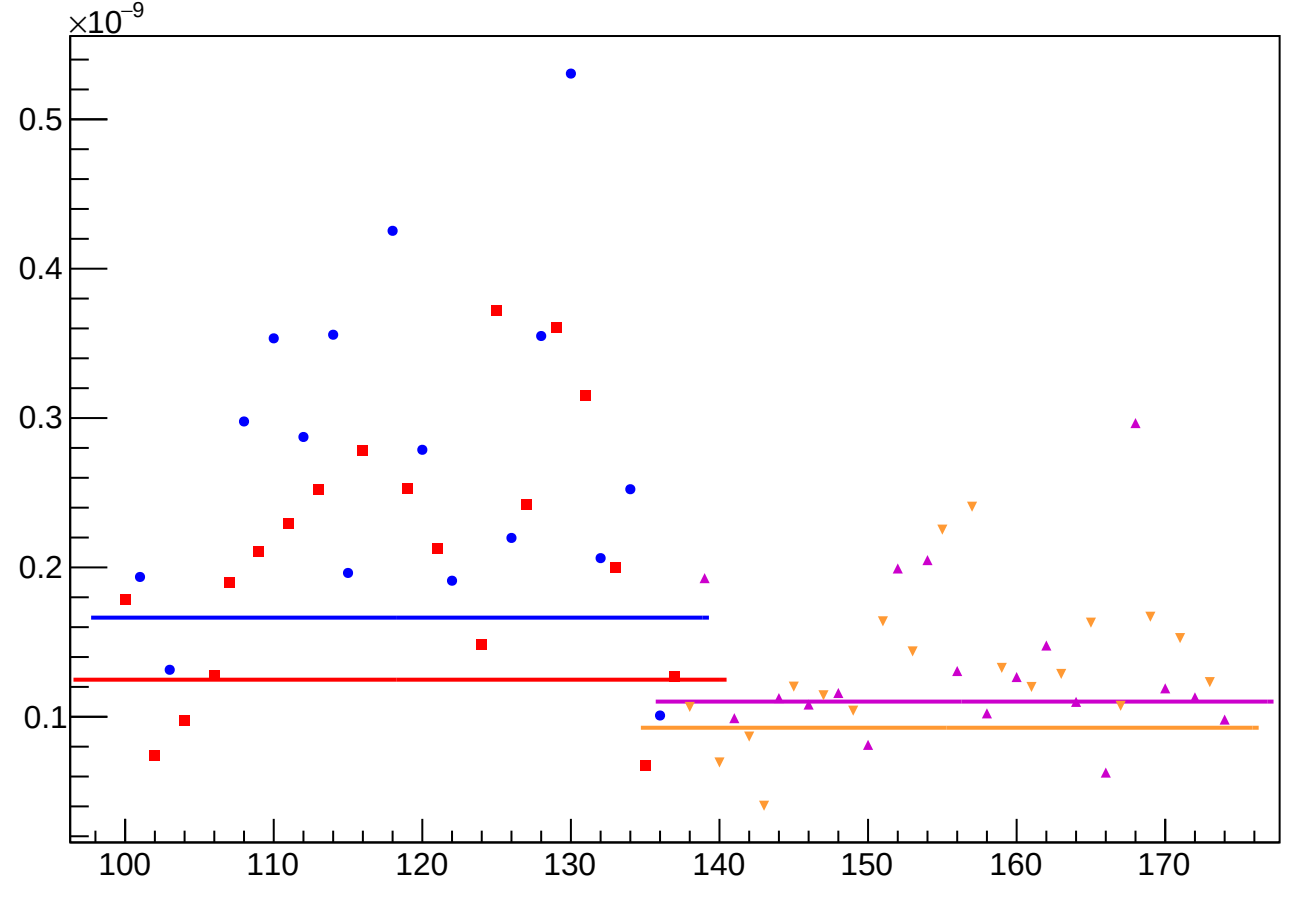
Left: -0.000+/-0.000 χ^2/NDF: 27.2/36

Right: -0.000+/-0.000 χ^2/NDF: 23.4/34

In: -0.000+/-0.000 χ^2/NDF:30.3/33

Out: -0.000+/-0.000 χ^2/NDF:19.9/37

All: -0.000+/-0.000 χ^2/NDF: 50.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1984237.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:4025853.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2209554.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2010523.2/17

Left: 0.000+/-0.000 χ^2/NDF: 6293414.0/36

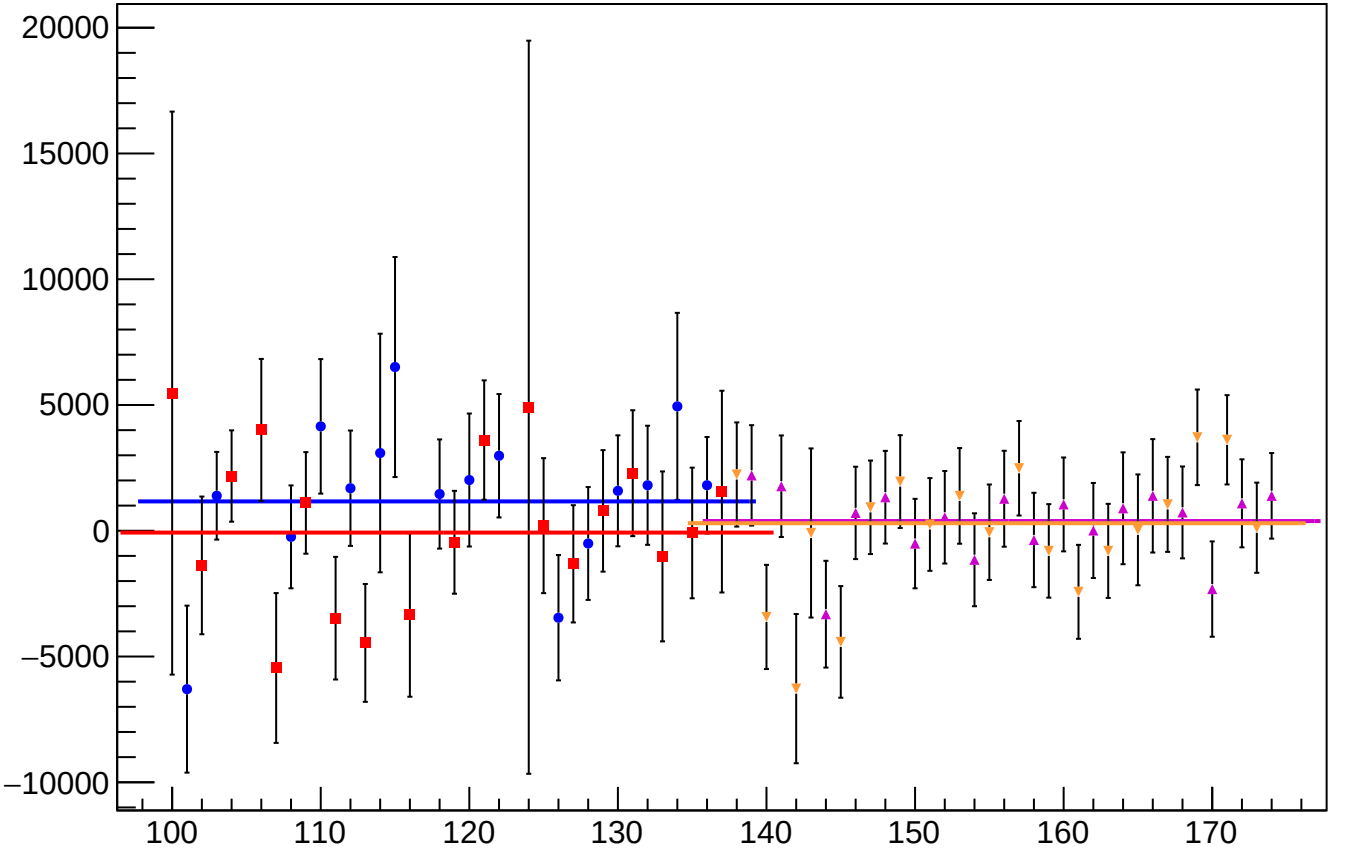
Right: 0.000+/-0.000 χ^2/NDF: 4480530.9/34

In: 0.000+/-0.000 χ^2/NDF:4741106.4/33

Out: 0.000+/-0.000 χ^2/NDF:6582899.4/37

All: 0.000+/-0.000 χ^2/NDF: 11753846.8/71

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.862+/-609.171 χ^2/NDF: 14.4/15

Left Out: 299.955+/-454.548 χ^2/NDF:25.9/18

Right Out: -72.181+/-603.362 χ^2/NDF: 18.3/18

Left In: 386.054+/-447.644 χ^2/NDF:9.0/17

Left: 343.663+/-318.945 χ^2/NDF: 34.9/36

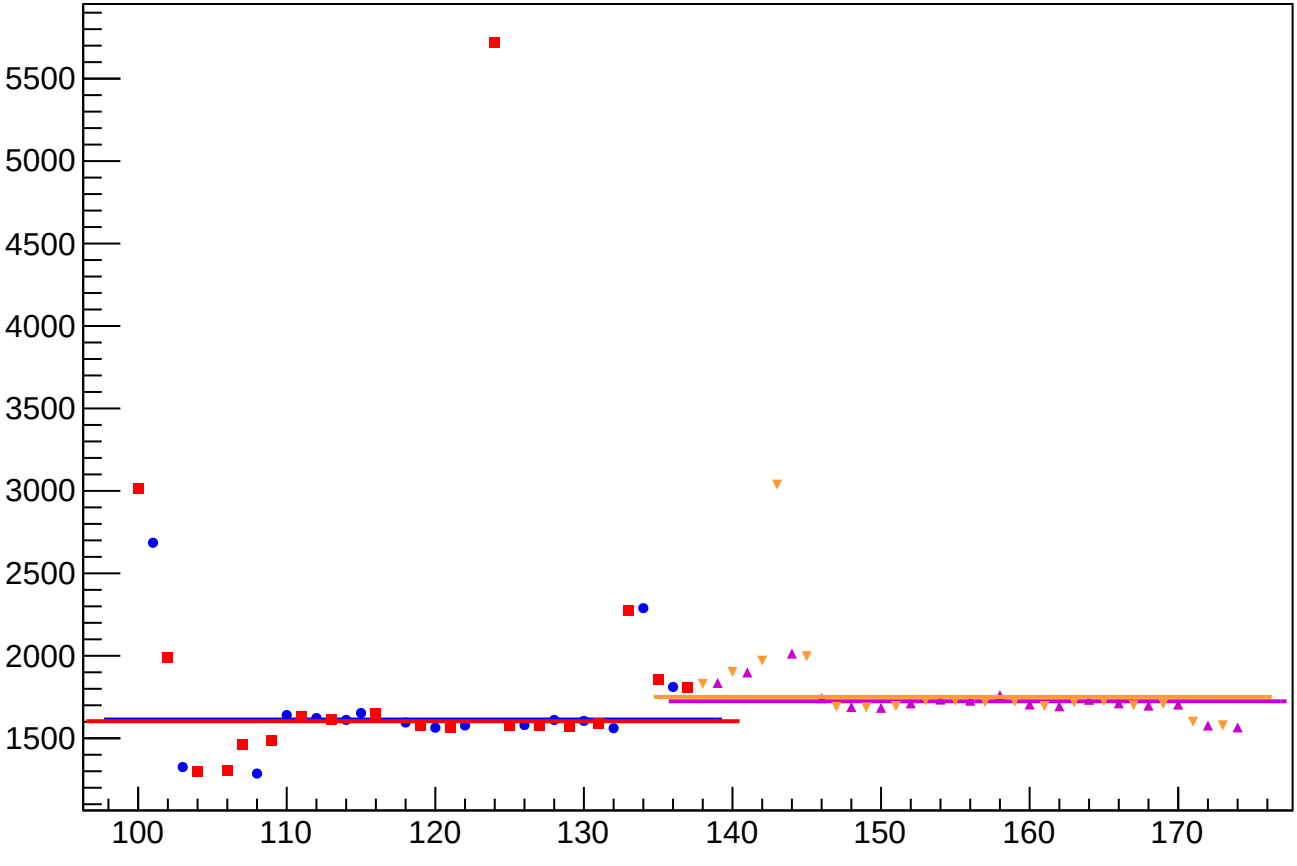
Right: 541.404+/-428.680 χ^2/NDF: 34.8/34

In: 659.841+/-360.723 χ^2/NDF:24.5/33

Out: 165.219+/-363.052 χ^2/NDF:44.5/37

All: 414.122+/-255.889 χ^2/NDF: 69.8/71

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.5/15

Left Out: 1750.858+/-0.321 χ^2/NDF:388531.7/18

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.5/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

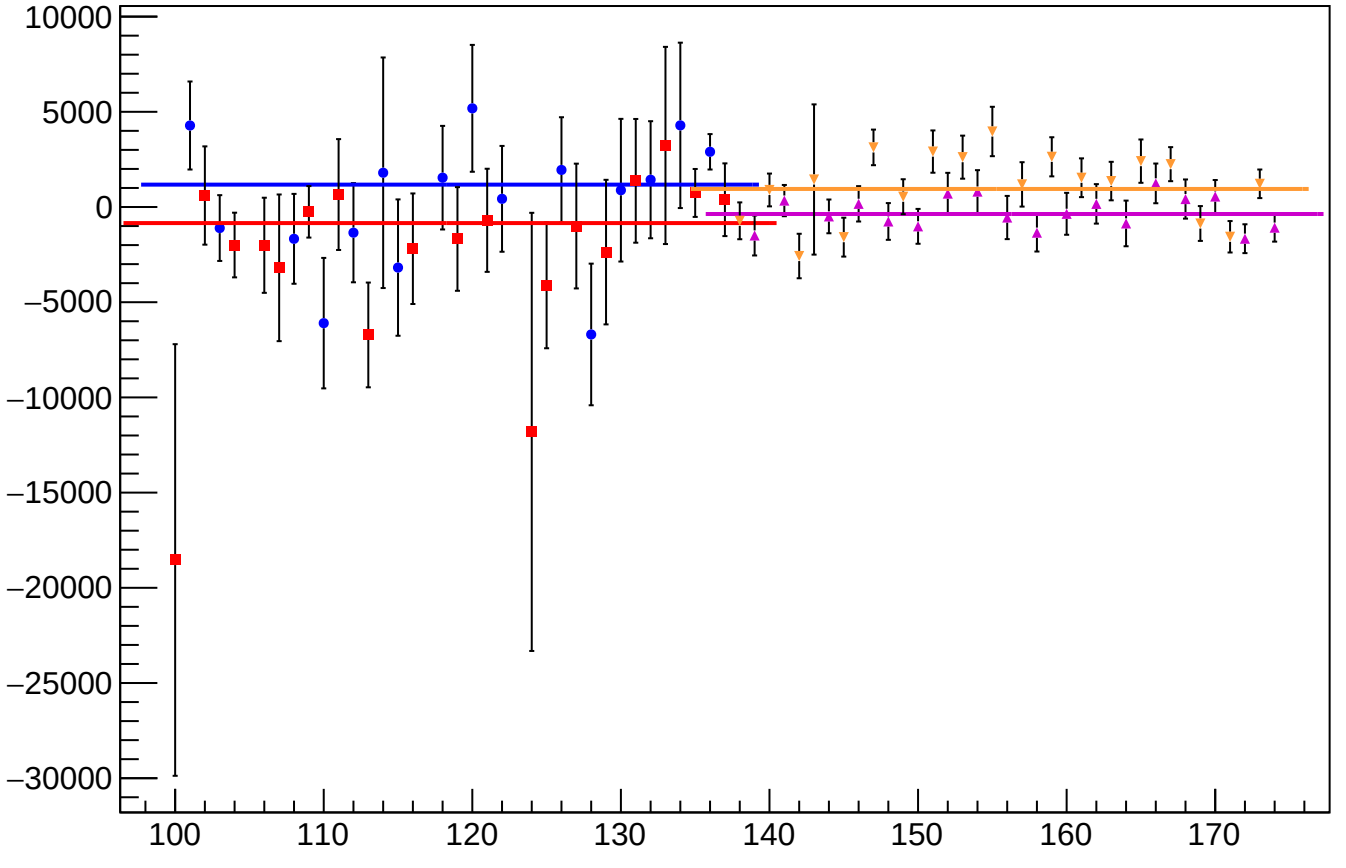
Left: 1737.272+/-0.226 χ^2/NDF: 486175.7/36

Right: 1608.520+/-0.303 χ^2/NDF: 830765.6/34

In: 1685.376+/-0.255 χ^2/NDF:541483.6/33

Out: 1697.492+/-0.257 χ^2/NDF:890465.6/37

All: 1691.395+/-0.181 χ^2/NDF: 1433070.2/71



Right In: 1175.479+/-579.062 χ^2/NDF: 22.0/15

Left Out: 948.633+/-230.773 χ^2/NDF:54.9/18

Right Out: -843.857+/-557.438 χ^2/NDF: 14.3/18

Left In: -367.249+/-224.962 χ^2/NDF:14.4/17

Left: 273.916+/-161.087 χ^2/NDF: 86.0/36

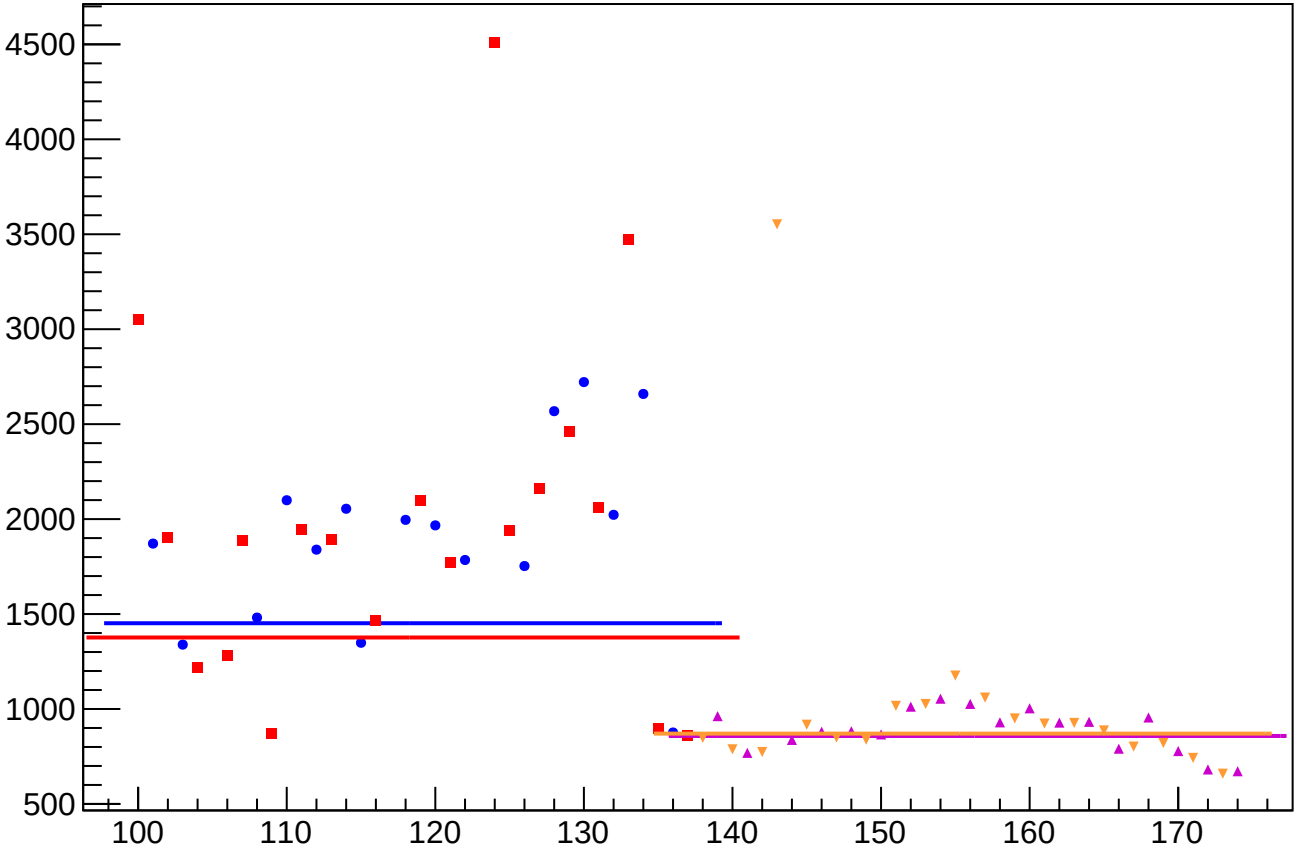
Right: 127.404+/-401.596 χ^2/NDF: 42.6/34

In: -164.943+/-209.694 χ^2/NDF:42.5/33

Out: 686.373+/-213.223 χ^2/NDF:78.0/37

All: 253.610+/-149.508 χ^2/NDF: 128.7/71

asym_at2_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1451.631+/-0.409 χ^2/NDF: 1790839.5/15

Left Out: 870.306+/-0.163 χ^2/NDF:1449792.2/18

Right Out: 1376.470+/-0.394 χ^2/NDF: 2132051.1/18

Left In: 857.926+/-0.159 χ^2/NDF:533624.3/17

Left: 863.958+/-0.114 χ^2/NDF: 1986367.7/36

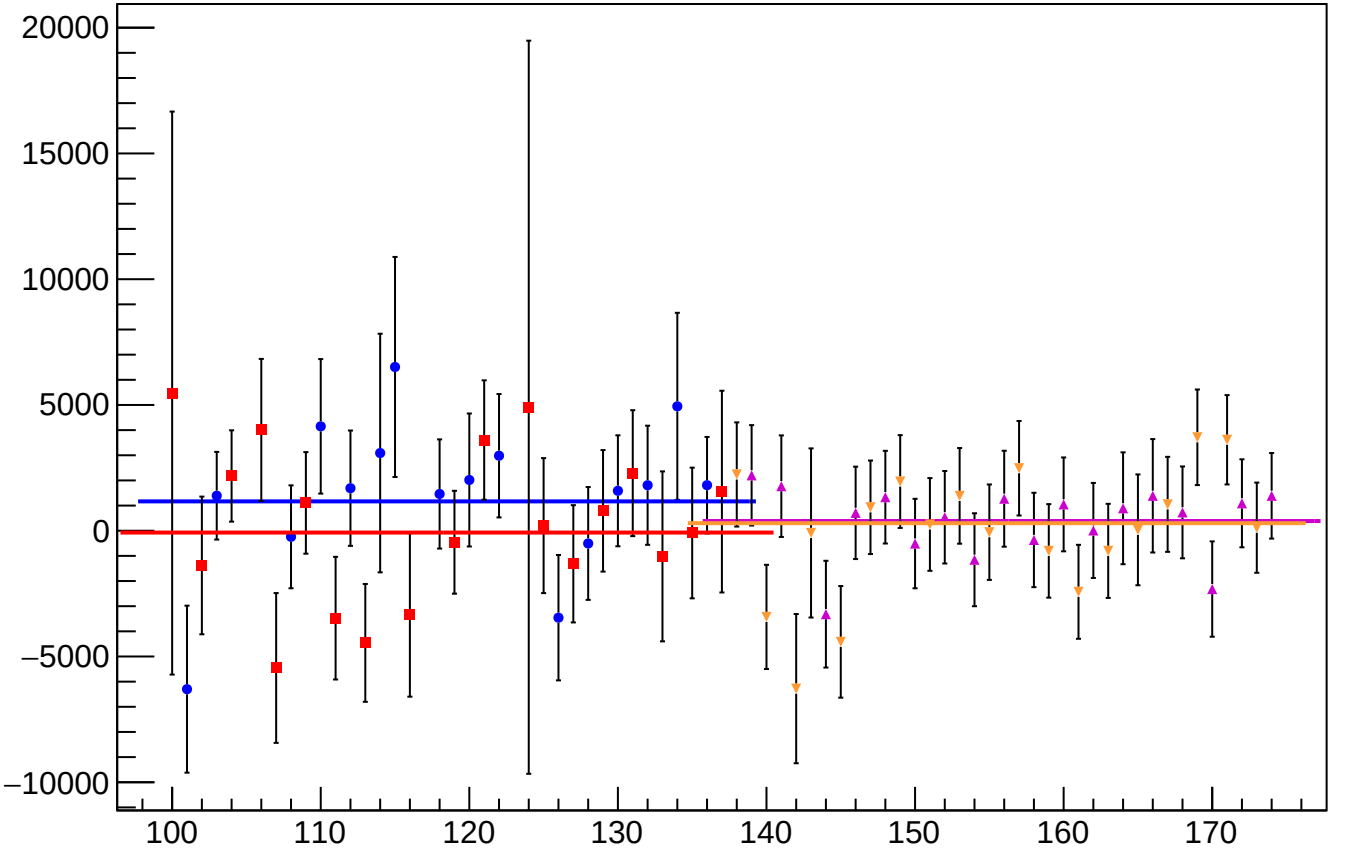
Right: 1412.621+/-0.284 χ^2/NDF: 3940379.2/34

In: 935.782+/-0.148 χ^2/NDF:4151186.6/33

Out: 944.363+/-0.151 χ^2/NDF:4989569.7/37

All: 940.001+/-0.106 χ^2/NDF: 9142403.0/71

cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 299.838+/-454.548 χ^2/NDF:25.9/18

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 385.958+/-447.644 χ^2/NDF:9.0/17

Left: 343.557+/-318.945 χ^2/NDF: 34.9/36

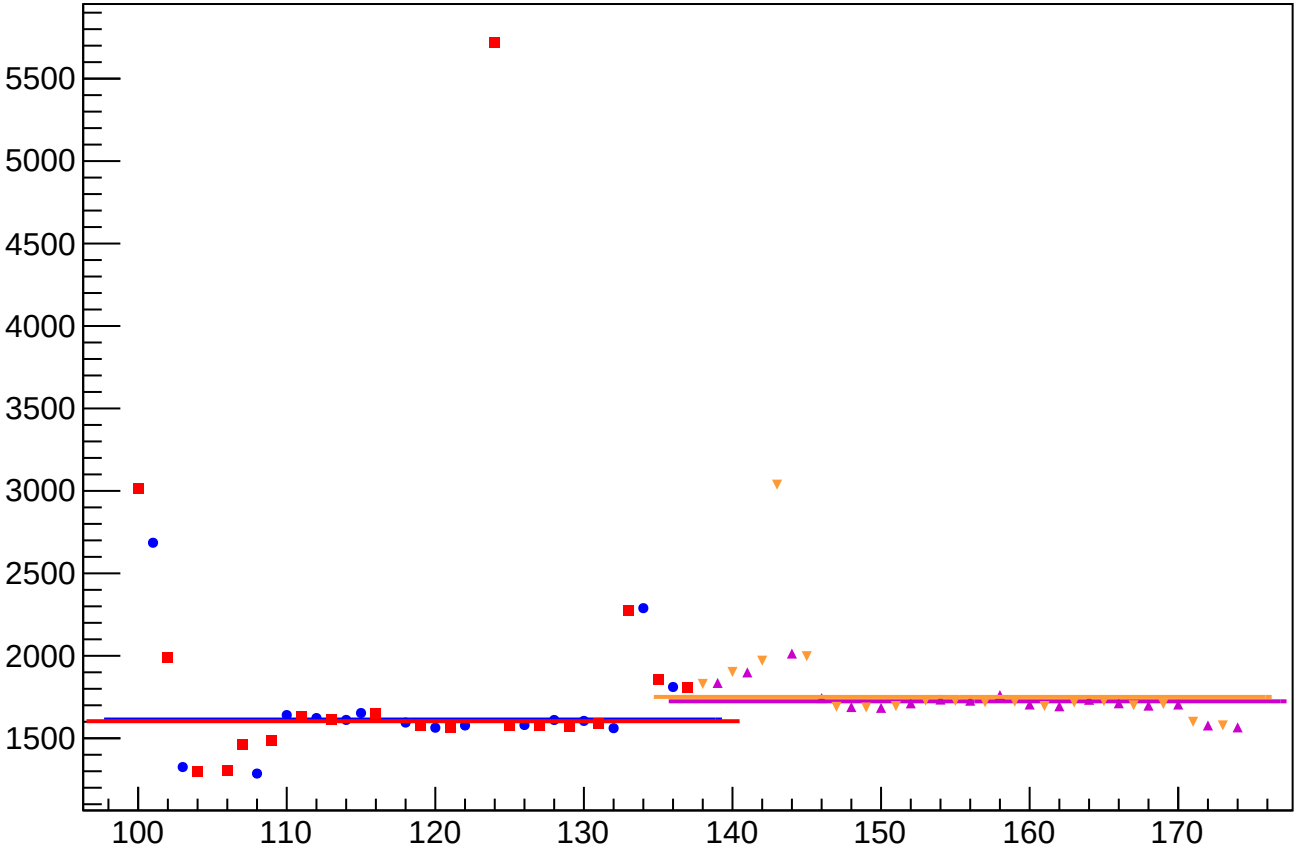
Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 659.747+/-360.723 χ^2/NDF:24.5/33

Out: 165.029+/-363.052 χ^2/NDF:44.5/37

All: 413.979+/-255.889 χ^2/NDF: 69.9/71

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1750.858+/-0.321 χ^2/NDF:388531.7/18

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

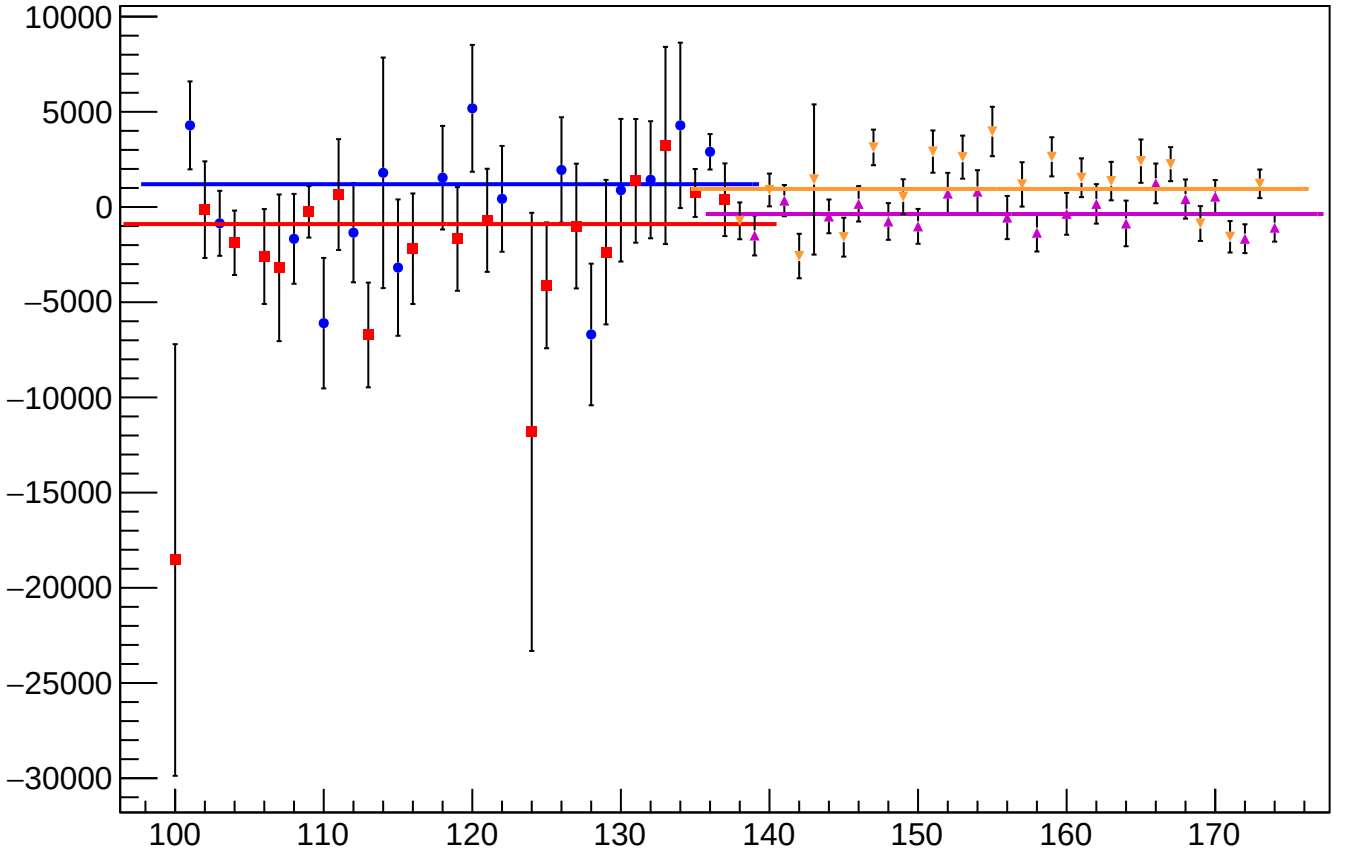
Left: 1737.272+/-0.226 χ^2/NDF: 486175.7/36

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1685.376+/-0.255 χ^2/NDF:541483.9/33

Out: 1697.492+/-0.257 χ^2/NDF:890465.7/37

All: 1691.395+/-0.181 χ^2/NDF: 1433070.7/71



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 948.675+/-230.775 χ^2/NDF:54.9/18

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -367.235+/-224.962 χ^2/NDF:14.4/17

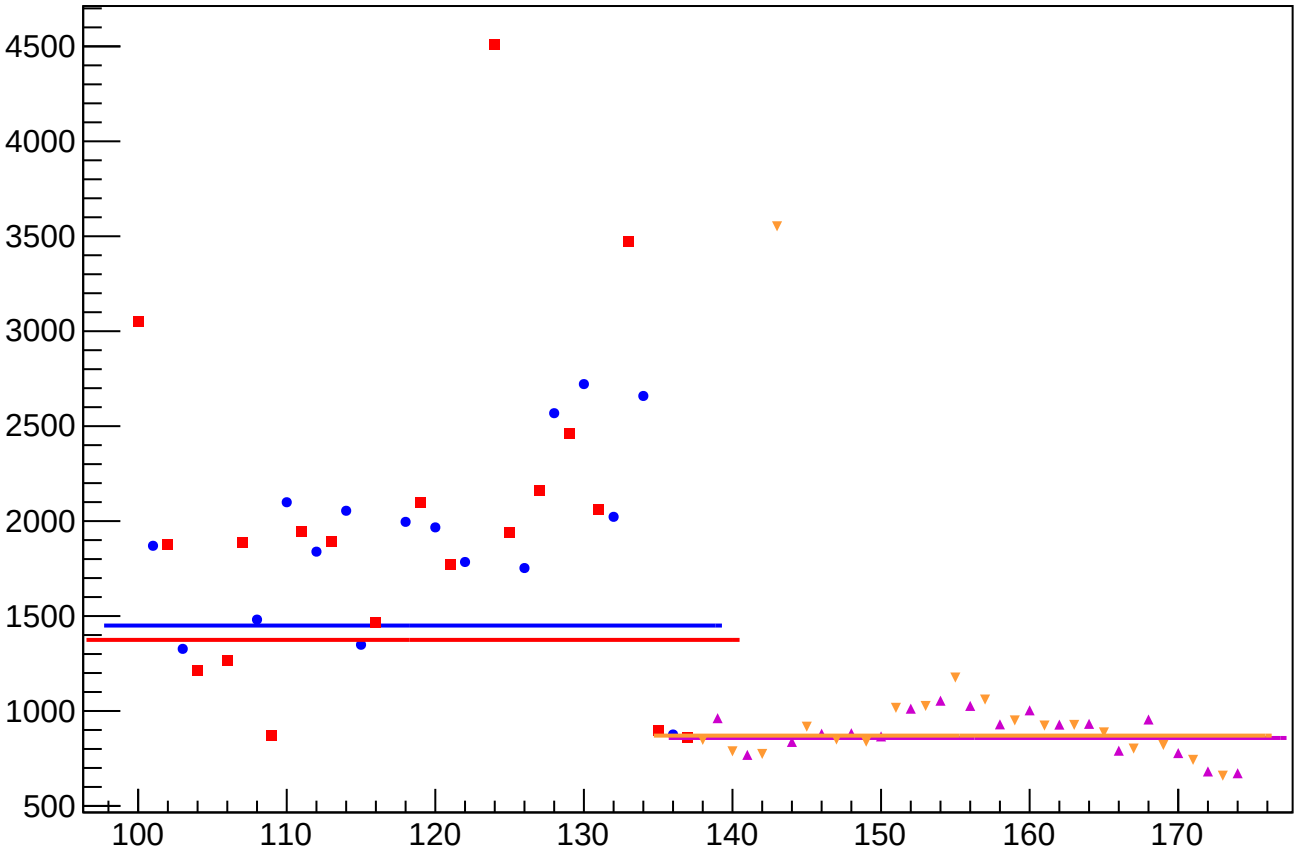
Left: 273.938+/-161.088 χ^2/NDF: 86.0/36

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -161.426+/-209.655 χ^2/NDF:42.4/33

Out: 678.214+/-213.182 χ^2/NDF:78.5/37

All: 251.390+/-149.480 χ^2/NDF: 128.8/71



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.316+/-0.163 χ^2/NDF:1449722.8/18

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

Left: 863.964+/-0.114 χ^2/NDF: 1986315.6/36

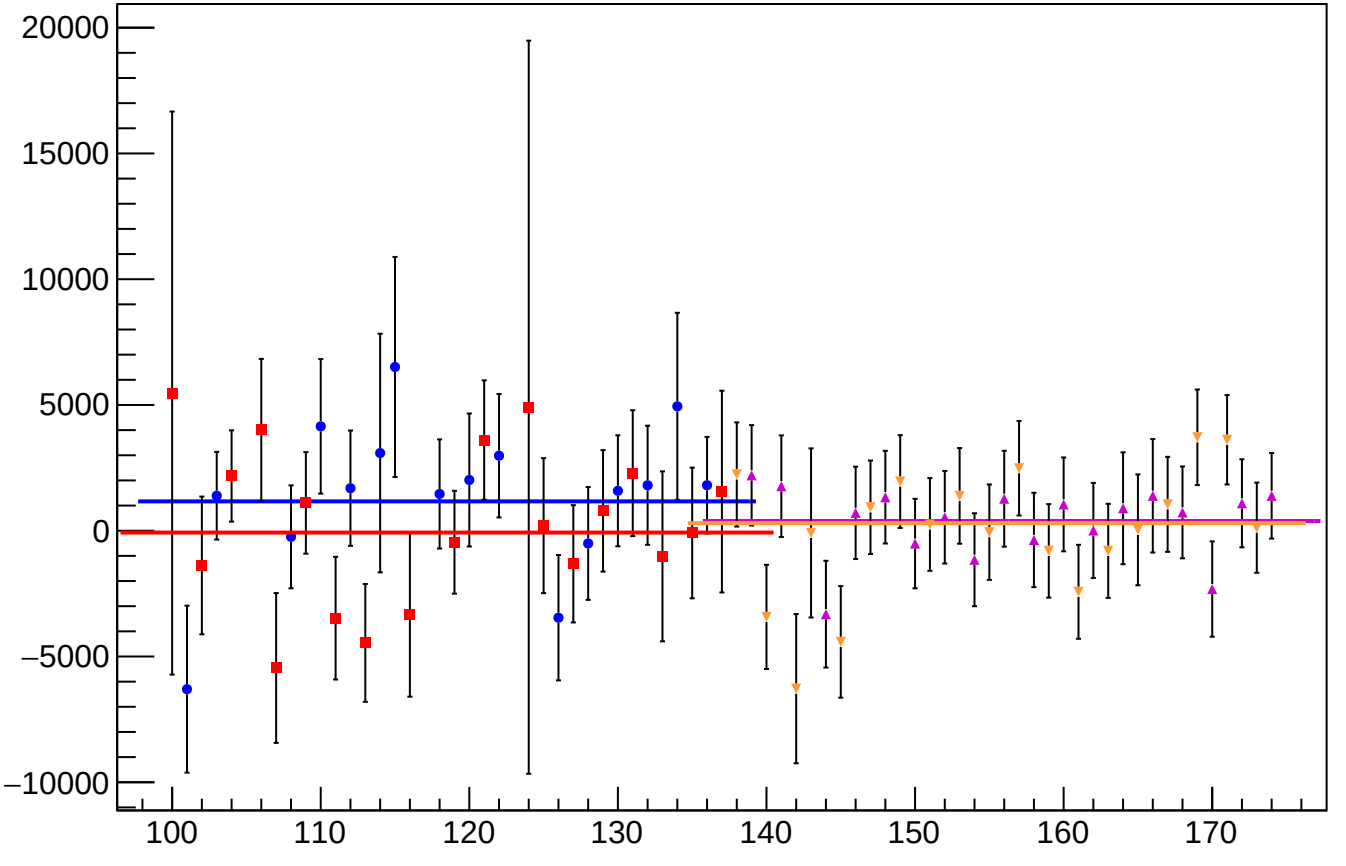
Right: 1410.753+/-0.284 χ^2/NDF: 3938065.4/34

In: 935.752+/-0.148 χ^2/NDF:4147117.5/33

Out: 944.251+/-0.151 χ^2/NDF:4977109.6/37

All: 939.931+/-0.106 χ^2/NDF: 9125842.8/71

eigen_cor_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1166.769+/-609.171 χ^2/NDF: 14.4/15

Left Out: 299.838+/-454.548 χ^2/NDF:25.9/18

Right Out: -72.499+/-603.362 χ^2/NDF: 18.3/18

Left In: 385.958+/-447.644 χ^2/NDF:9.0/17

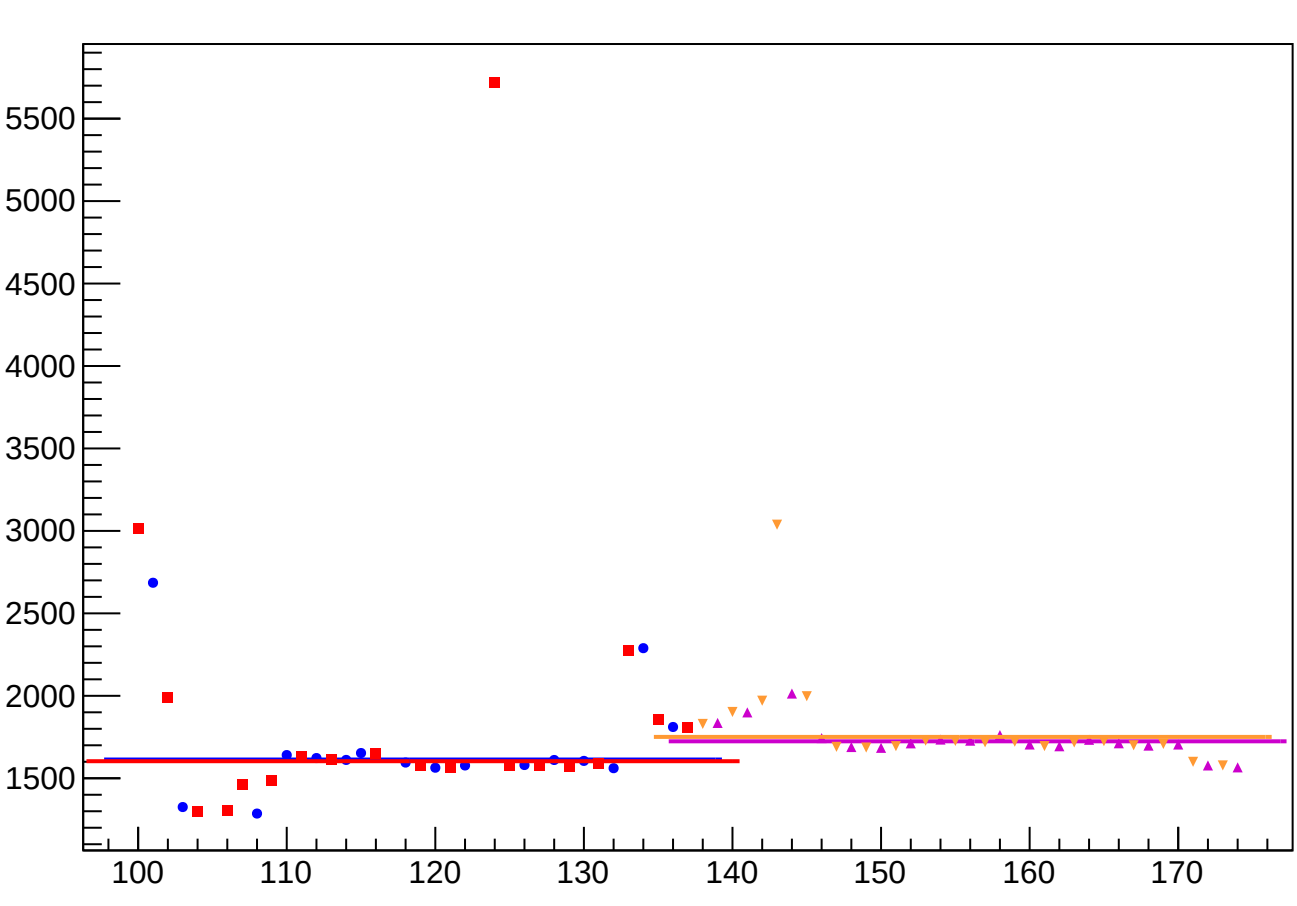
Left: 343.557+/-318.945 χ^2/NDF: 34.9/36

Right: 541.197+/-428.680 χ^2/NDF: 34.8/34

In: 659.747+/-360.723 χ^2/NDF:24.5/33

Out: 165.029+/-363.052 χ^2/NDF:44.5/37

All: 413.979+/-255.889 χ^2/NDF: 69.9/71



Right In: 1613.674+/-0.431 χ^2/NDF: 404688.8/15

Left Out: 1750.858+/-0.321 χ^2/NDF:388531.7/18

Right Out: 1603.464+/-0.427 χ^2/NDF: 425793.4/18

Left In: 1724.094+/-0.317 χ^2/NDF:94124.0/17

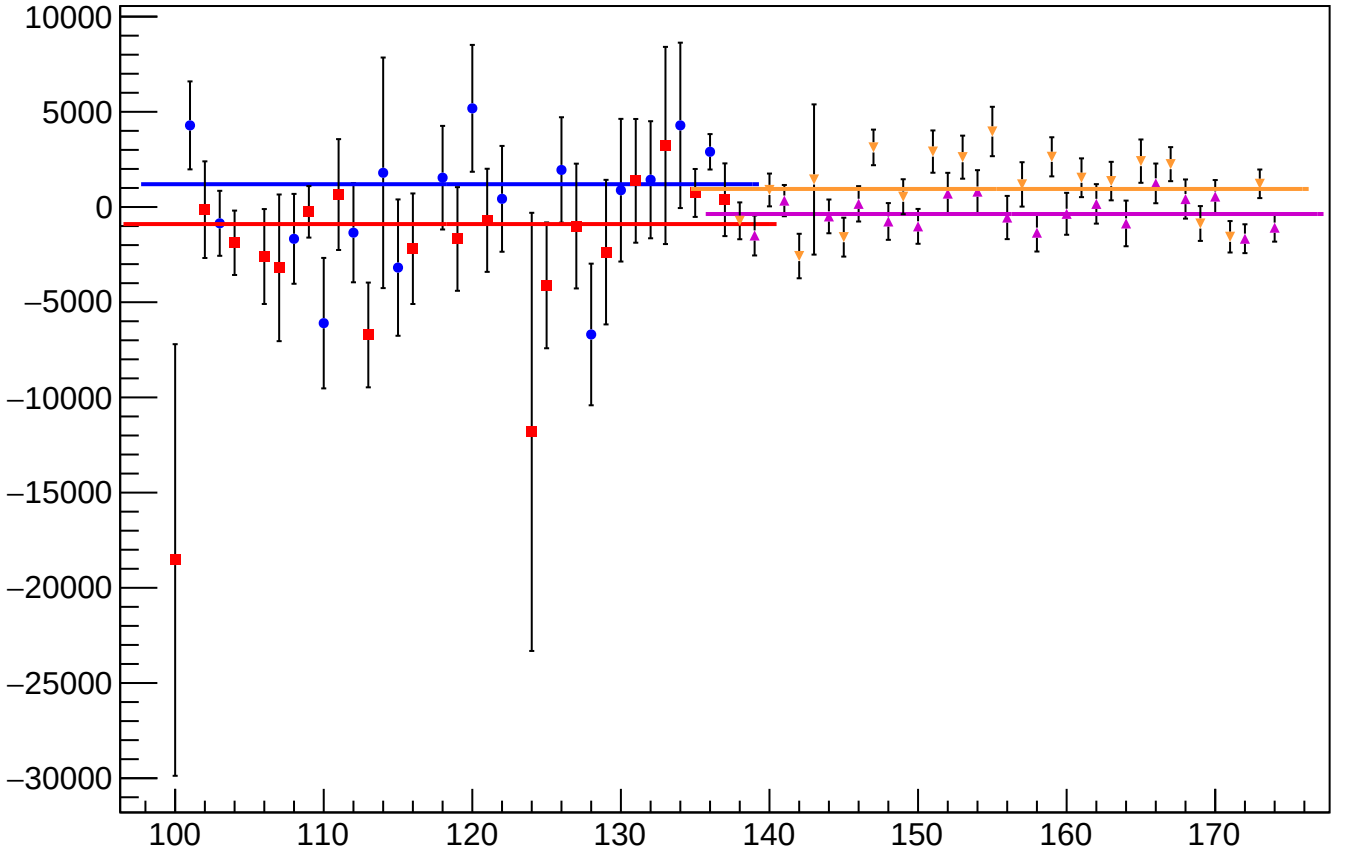
Left: 1737.272+/-0.226 χ^2/NDF: 486175.7/36

Right: 1608.520+/-0.303 χ^2/NDF: 830765.8/34

In: 1685.376+/-0.255 χ^2/NDF:541483.9/33

Out: 1697.492+/-0.257 χ^2/NDF:890465.7/37

All: 1691.395+/-0.181 χ^2/NDF: 1433070.7/71



Right In: 1198.338+/-578.240 χ^2/NDF: 21.7/15

Left Out: 948.675+/-230.775 χ^2/NDF:54.9/18

Right Out: -895.463+/-556.666 χ^2/NDF: 14.2/18

Left In: -367.235+/-224.962 χ^2/NDF:14.4/17

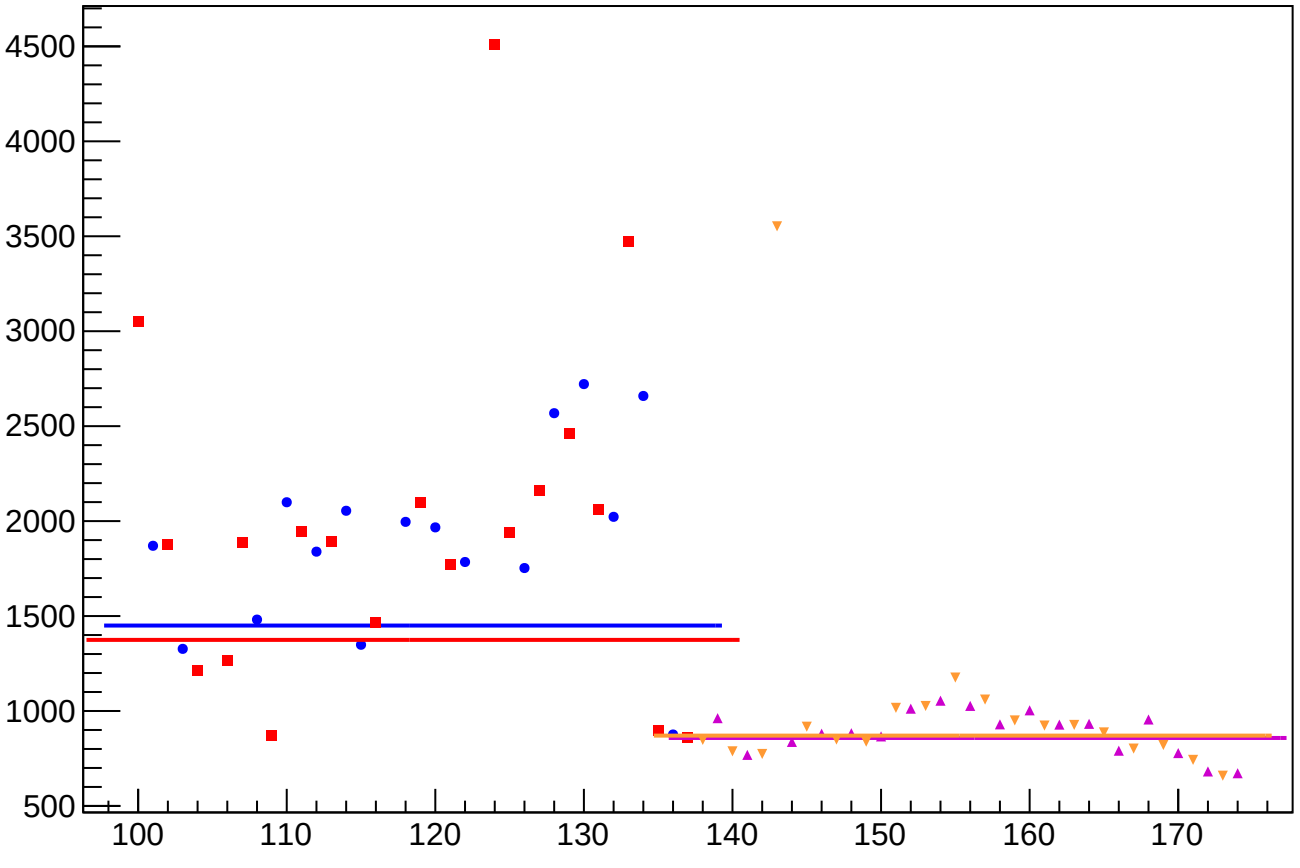
Left: 273.938+/-161.088 χ^2/NDF: 86.0/36

Right: 111.650+/-401.033 χ^2/NDF: 42.7/34

In: -161.426+/-209.655 χ^2/NDF:42.4/33

Out: 678.214+/-213.182 χ^2/NDF:78.5/37

All: 251.390+/-149.480 χ^2/NDF: 128.8/71



Right In: 1449.939+/-0.409 χ^2/NDF: 1792673.2/15

Left Out: 870.316+/-0.163 χ^2/NDF:1449722.8/18

Right Out: 1374.438+/-0.394 χ^2/NDF: 2127695.6/18

Left In: 857.927+/-0.159 χ^2/NDF:533636.9/17

Left: 863.964+/-0.114 χ^2/NDF: 1986315.6/36

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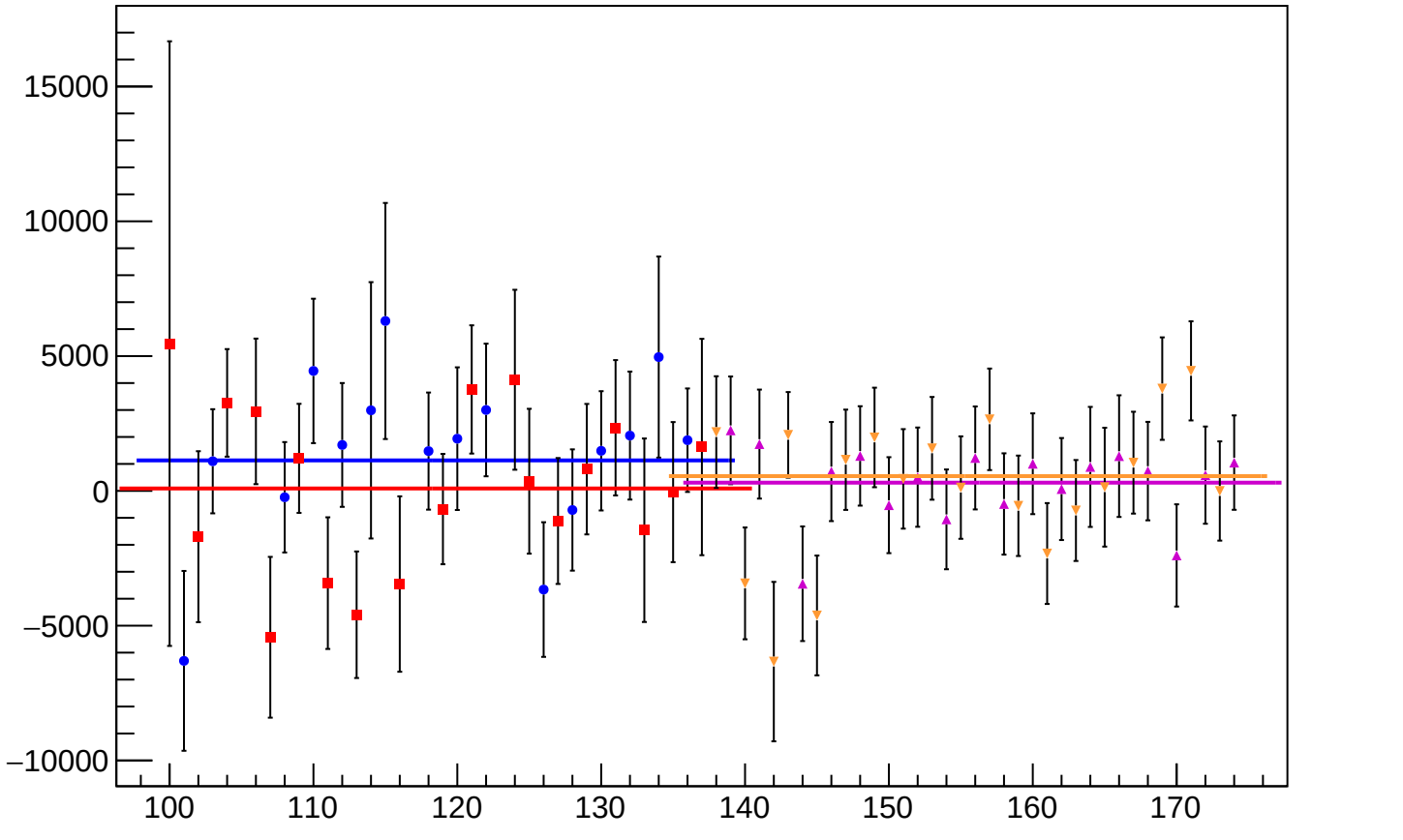
In: 935.752+/-0.148 χ^2/NDF:4147117.5/33

Out: 944.251+/-0.151 χ^2/NDF:4977109.6/37

All: 939.931+/-0.106 χ^2/NDF: 9125842.8/71



Right In: 1130.726+/-617.236 χ^2/NDF: 15.0/15

Left Out: 547.336+/-442.722 χ^2/NDF:29.2/18

Right Out: 89.220+/-603.072 χ^2/NDF: 20.7/18

Left In: 304.774+/-449.843 χ^2/NDF:8.8/17

Left: 427.990+/-315.539 χ^2/NDF: 38.1/36

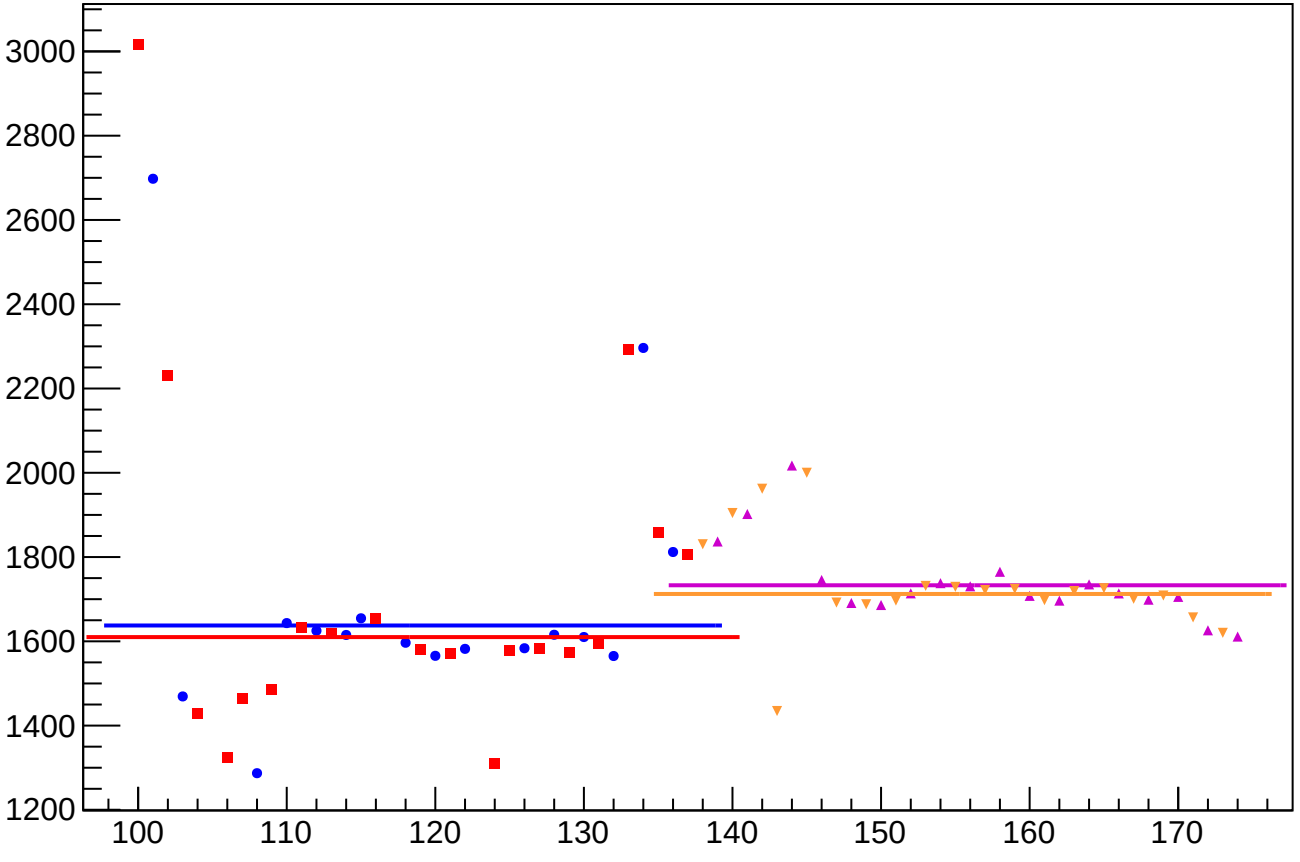
Right: 597.886+/-431.357 χ^2/NDF: 37.1/34

In: 591.294+/-363.539 χ^2/NDF:24.9/33

Out: 386.907+/-356.881 χ^2/NDF:50.2/37

All: 487.212+/-254.674 χ^2/NDF: 75.3/71

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361417.0/15

Left Out: 1712.387+/-0.313 χ^2/NDF:141037.4/18

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.5/18

Left In: 1733.020+/-0.318 χ^2/NDF:77552.5/17

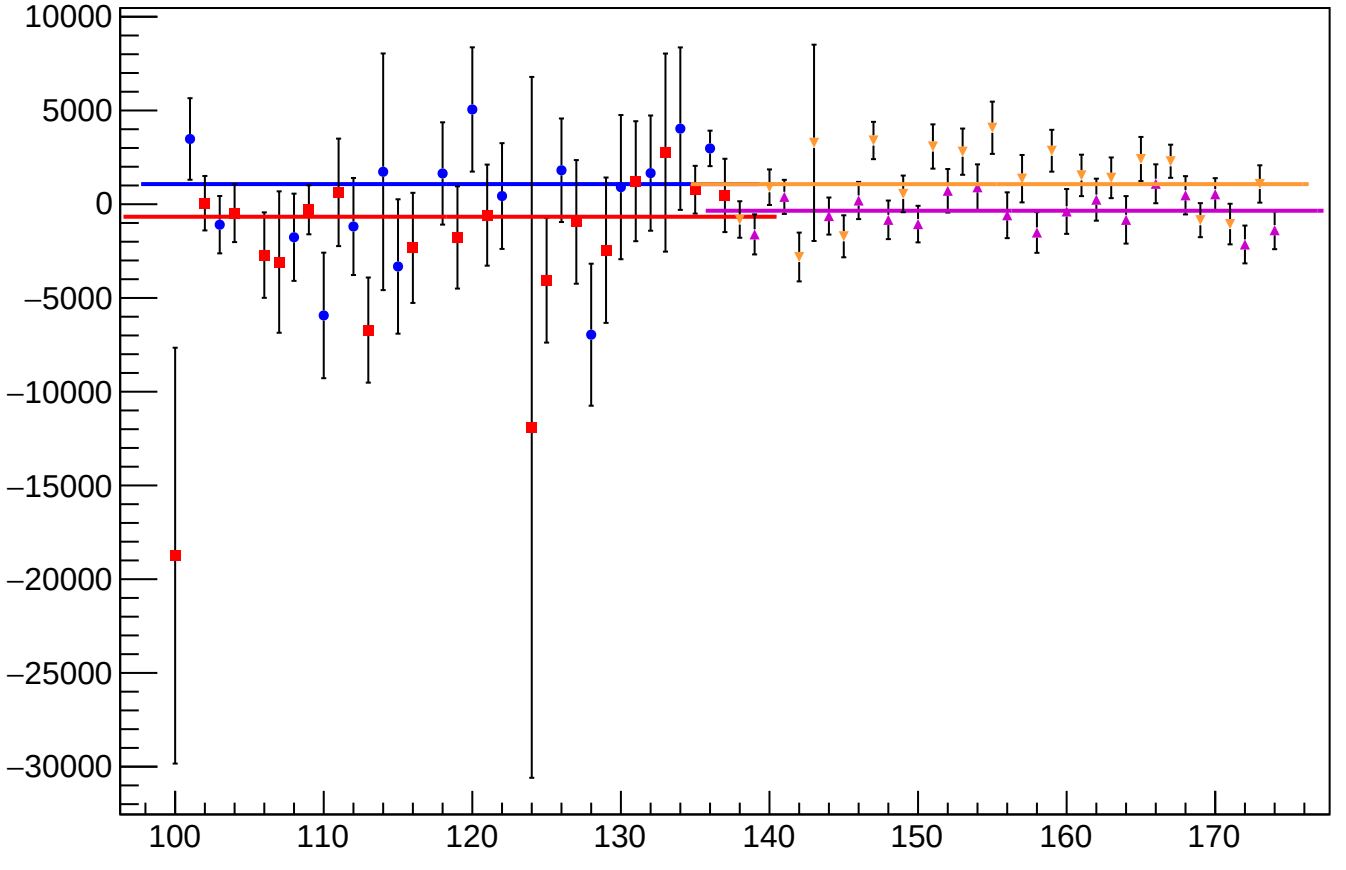
Left: 1722.539+/-0.223 χ^2/NDF: 220727.4/36

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1699.910+/-0.257 χ^2/NDF:470203.7/33

Out: 1676.546+/-0.252 χ^2/NDF:459277.9/37

All: 1688.012+/-0.180 χ^2/NDF: 933688.3/71



Right In: 1073.600+/-571.609 χ^2/NDF: 22.0/15

Left Out: 1071.189+/-252.270 χ^2/NDF:48.8/18

Right Out: -667.777+/-523.477 χ^2/NDF: 13.6/18

Left In: -347.314+/-247.133 χ^2/NDF:14.5/17

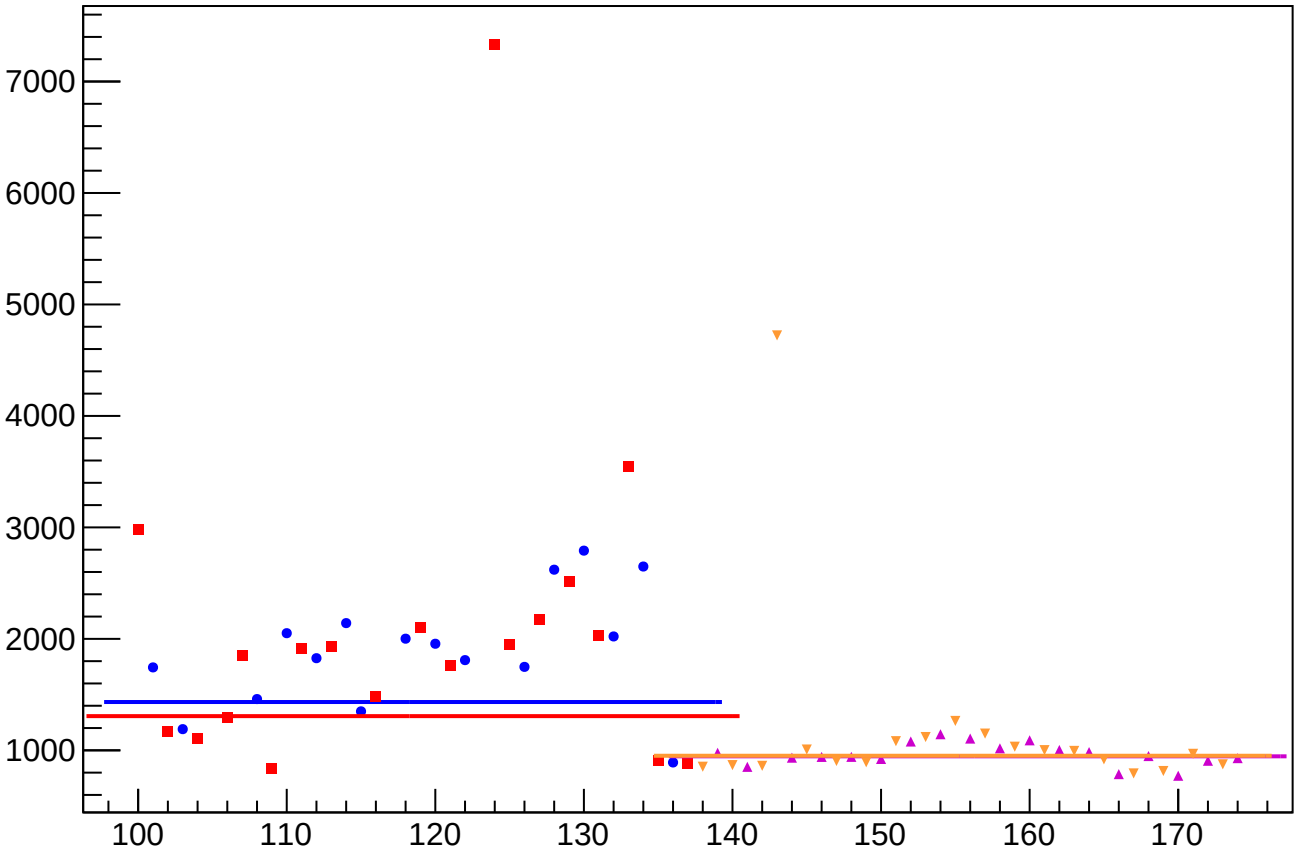
Left: 347.348+/-176.538 χ^2/NDF: 79.4/36

Right: 126.521+/-386.051 χ^2/NDF: 40.6/34

In: -123.540+/-226.840 χ^2/NDF:41.8/33

Out: 743.447+/-227.257 χ^2/NDF:71.3/37

All: 309.157+/-160.548 χ^2/NDF: 120.3/71



Right In: 1433.477+/-0.404 χ^2/NDF: 1763491.8/15

Left Out: 951.425+/-0.178 χ^2/NDF:1453354.4/18

Right Out: 1306.866+/-0.370 χ^2/NDF: 2183906.3/18

Left In: 946.295+/-0.175 χ^2/NDF:315372.4/17

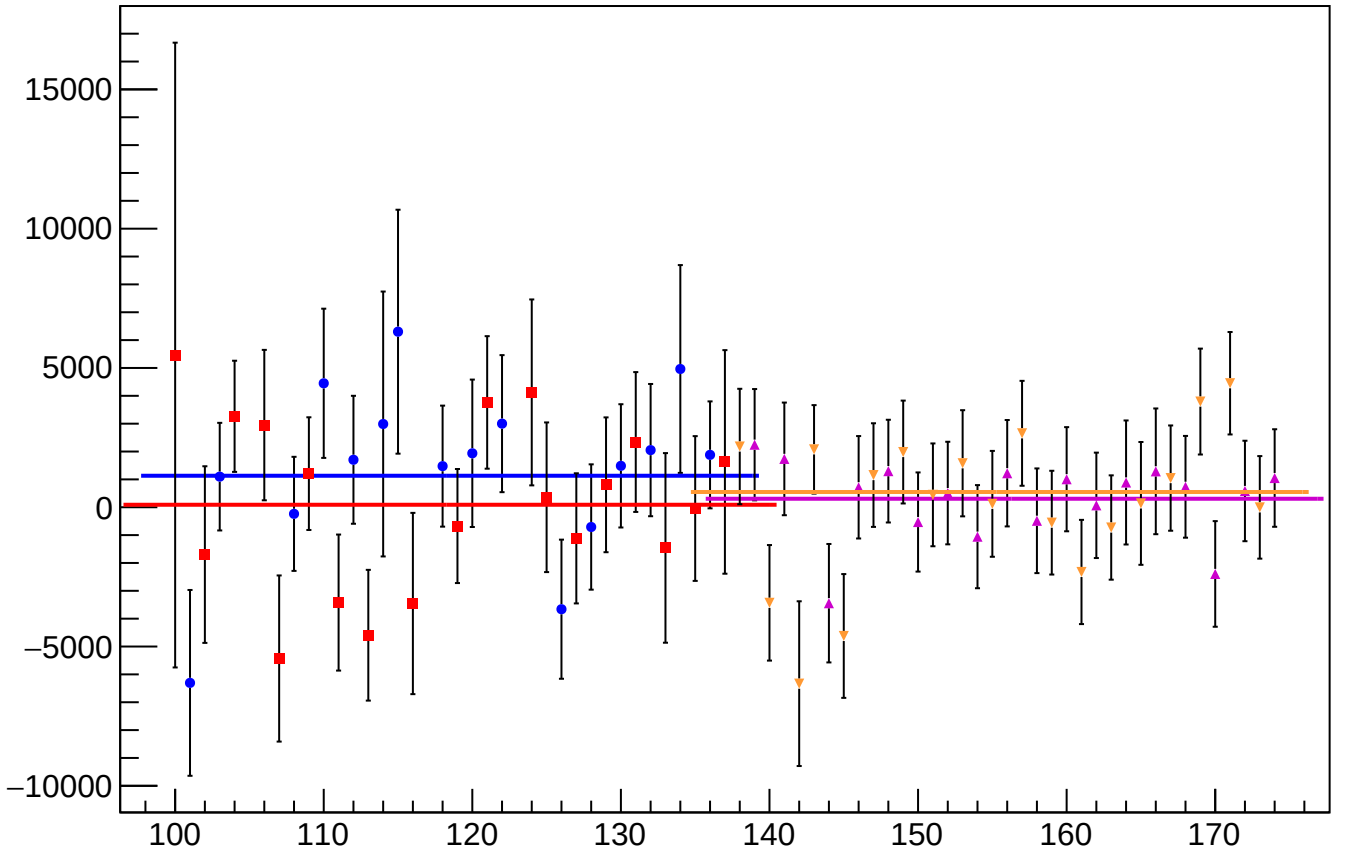
Left: 948.807+/-0.125 χ^2/NDF: 1769148.9/36

Right: 1364.618+/-0.273 χ^2/NDF: 4000764.0/34

In: 1023.019+/-0.160 χ^2/NDF:3302893.0/33

Out: 1018.415+/-0.161 χ^2/NDF:4385559.1/37

All: 1020.721+/-0.114 χ^2/NDF: 7688863.3/71



Right In: 1130.728+/-617.236 χ^2/NDF: 15.0/15

Left Out: 547.331+/-442.722 χ^2/NDF:29.2/18

Right Out: 89.225+/-603.072 χ^2/NDF: 20.7/18

Left In: 304.775+/-449.843 χ^2/NDF:8.8/17

Left: 427.988+/-315.539 χ^2/NDF: 38.1/36

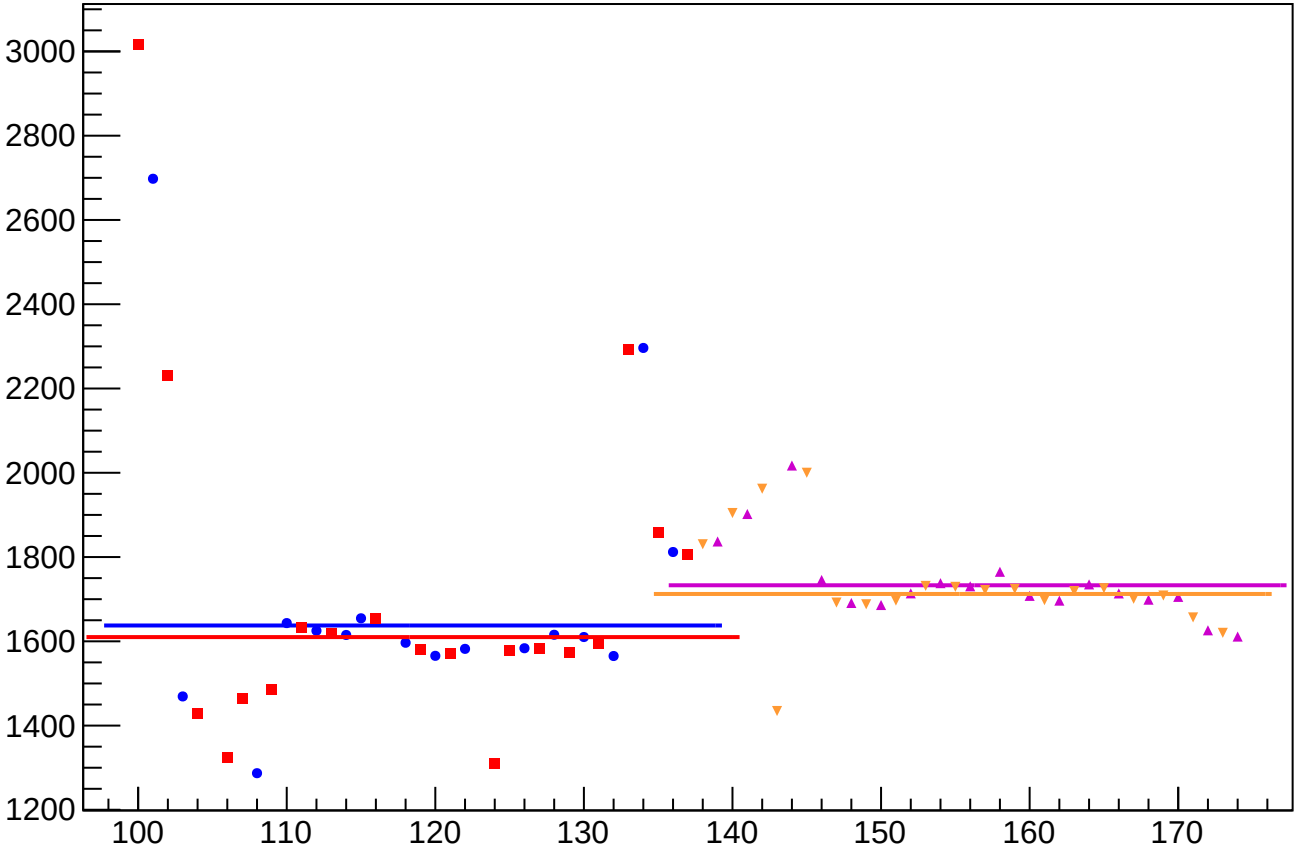
Right: 597.890+/-431.357 χ^2/NDF: 37.1/34

In: 591.296+/-363.539 χ^2/NDF:24.9/33

Out: 386.905+/-356.881 χ^2/NDF:50.2/37

All: 487.211+/-254.674 χ^2/NDF: 75.3/71

eigen_dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1637.574+/-0.436 χ^2/NDF: 361416.8/15

Left Out: 1712.387+/-0.313 χ^2/NDF:141036.7/18

Right Out: 1610.043+/-0.426 χ^2/NDF: 280812.7/18

Left In: 1733.020+/-0.318 χ^2/NDF:77553.0/17

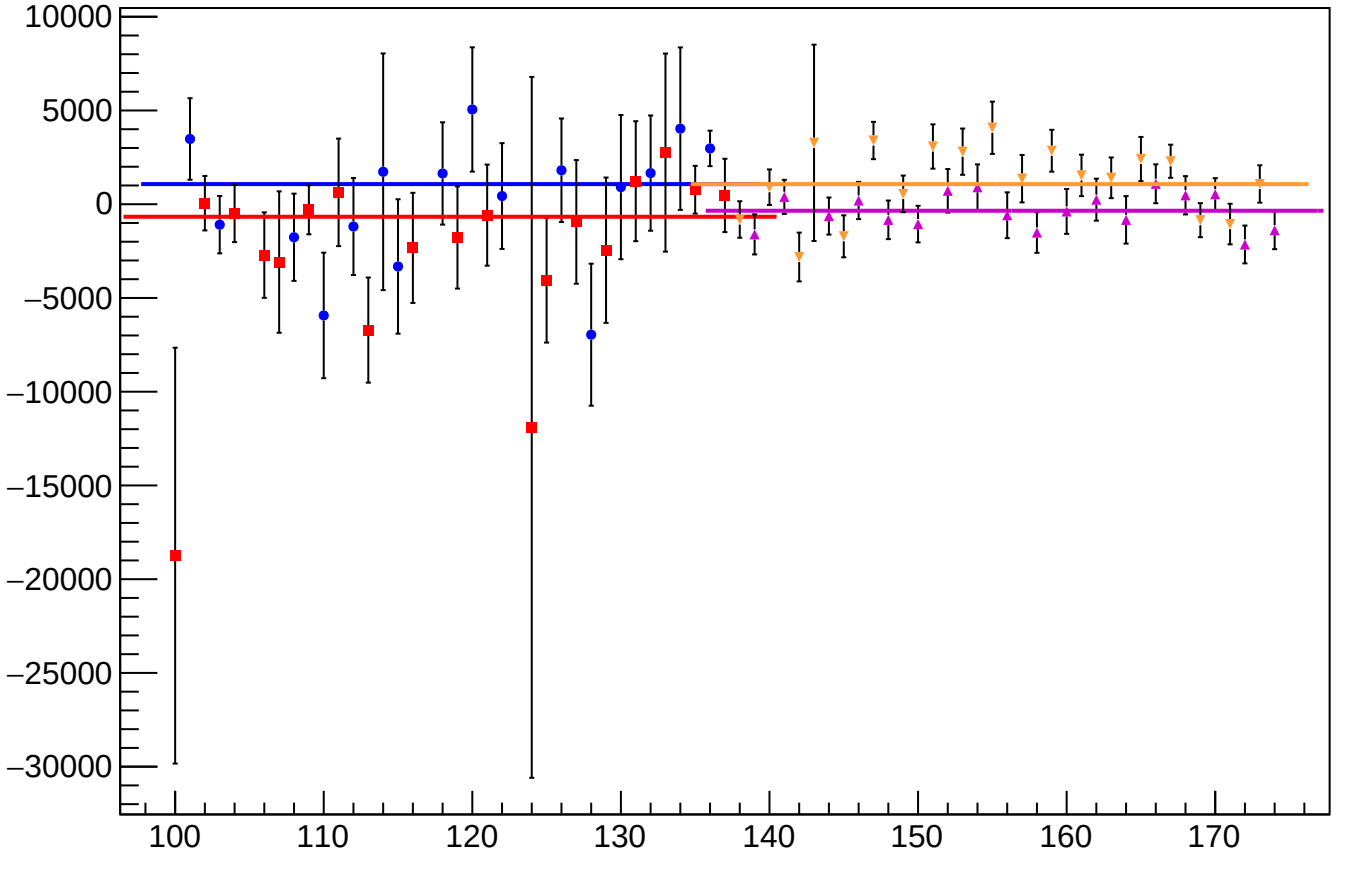
Left: 1722.539+/-0.223 χ^2/NDF: 220727.2/36

Right: 1623.489+/-0.305 χ^2/NDF: 644265.1/34

In: 1699.910+/-0.257 χ^2/NDF:470203.9/33

Out: 1676.546+/-0.252 χ^2/NDF:459277.4/37

All: 1688.012+/-0.180 χ^2/NDF: 933688.0/71



Right In: 1073.589+/-571.613 χ^2/NDF: 22.0/15

Left Out: 1071.195+/-252.270 χ^2/NDF:48.8/18

Right Out: -667.789+/-523.481 χ^2/NDF: 13.6/18

Left In: -347.311+/-247.133 χ^2/NDF:14.5/17

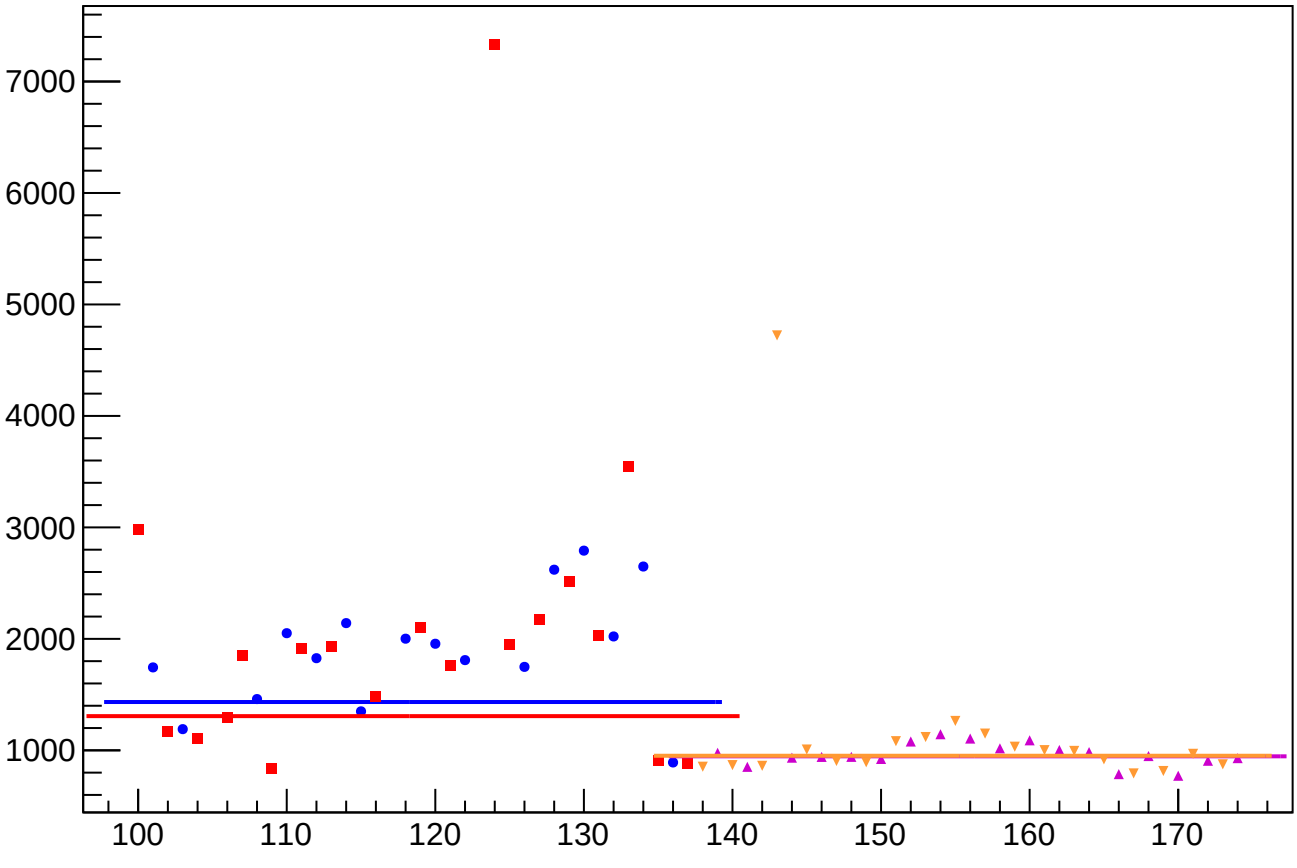
Left: 347.352+/-176.538 χ^2/NDF: 79.4/36

Right: 126.509+/-386.053 χ^2/NDF: 40.6/34

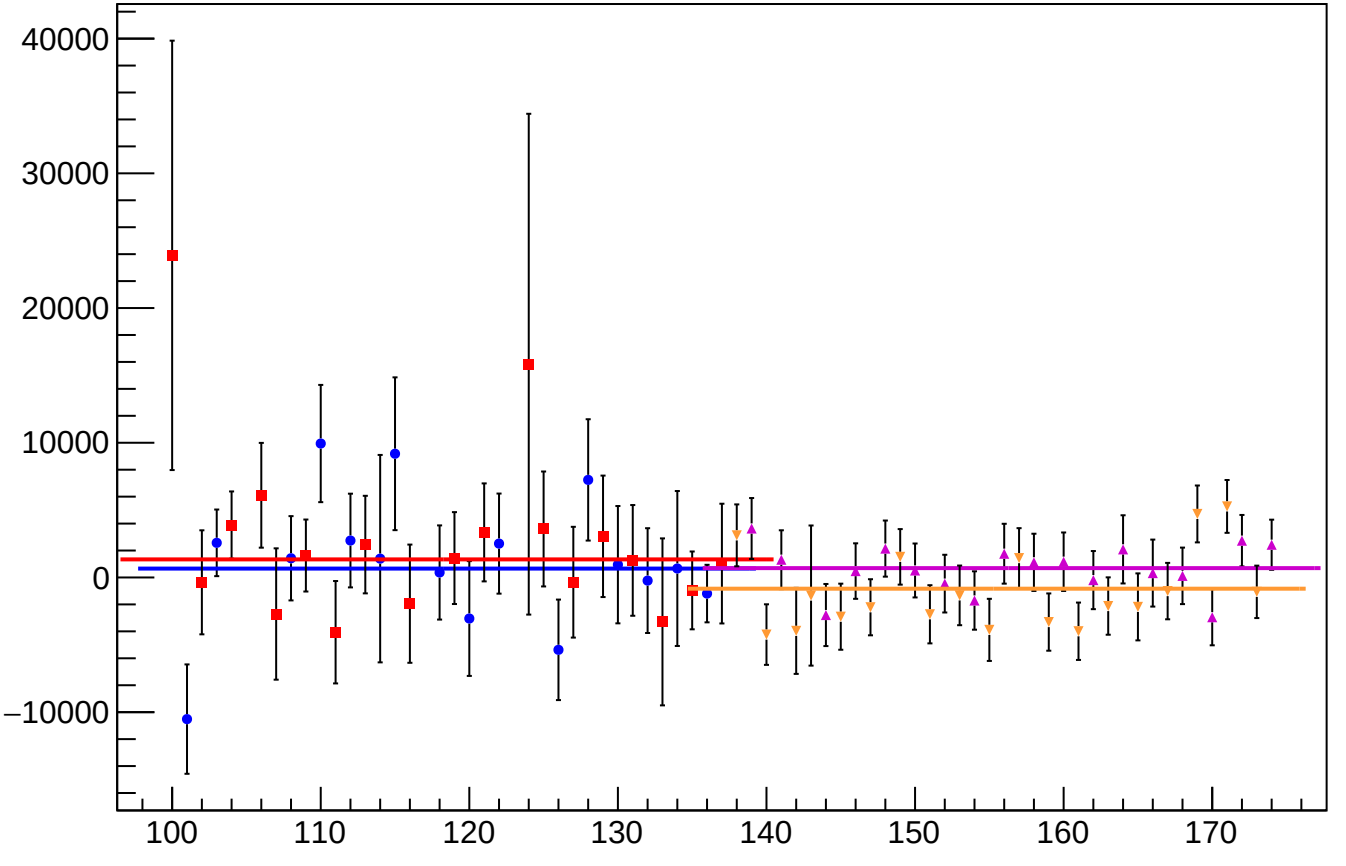
In: -123.543+/-226.840 χ^2/NDF:41.8/33

Out: 743.453+/-227.258 χ^2/NDF:71.3/37

All: 309.157+/-160.548 χ^2/NDF: 120.3/71


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: 951.426+/-0.178 χ²/NDF:1453340.2/18
Right Out: 1306.880+/-0.370 χ²/NDF: 2183835.0/18
Left In: 946.294+/-0.175 χ²/NDF:315376.8/17
Left: 948.807+/-0.125 χ²/NDF: 1769139.4/36
Right: 1364.632+/-0.273 χ²/NDF: 4000599.5/34
In: 1023.020+/-0.160 χ²/NDF:3302870.0/33
Out: 1018.418+/-0.161 χ²/NDF:4385516.2/37
All: 1020.723+/-0.114 χ²/NDF: 7688797.1/71

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 659.458+/-909.570 χ^2/NDF: 22.0/15

Left Out: -833.397+/-515.437 χ^2/NDF:33.2/18

Right Out: 1341.998+/-890.576 χ^2/NDF: 10.8/18

Left In: 693.460+/-504.442 χ^2/NDF:12.0/17

Left: -53.510+/-360.519 χ^2/NDF: 49.7/36

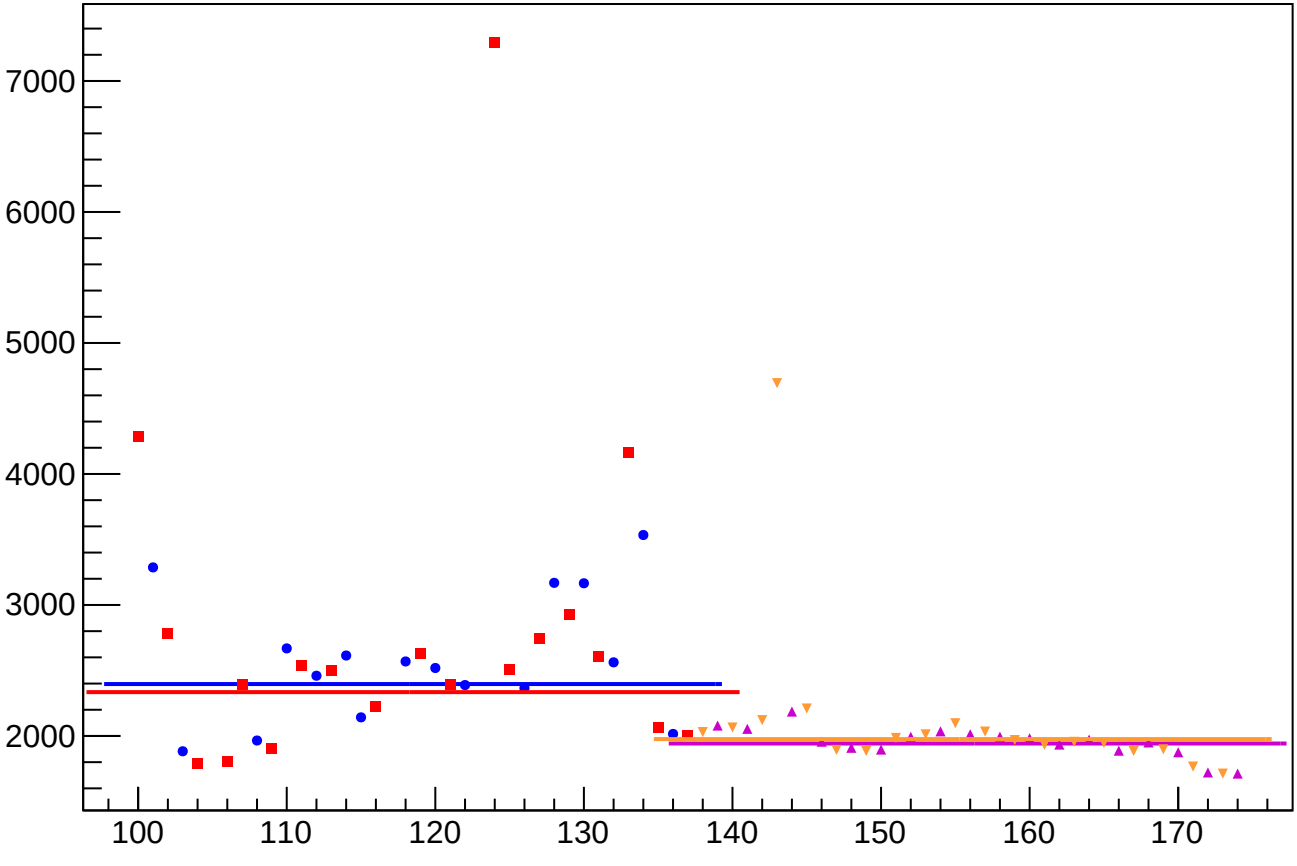
Right: 1007.929+/-636.341 χ^2/NDF: 33.1/34

In: 685.462+/-441.142 χ^2/NDF:34.0/33

Out: -287.545+/-446.107 χ^2/NDF:48.5/37

All: 204.404+/-313.675 χ^2/NDF: 84.9/71

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2396.276+/-0.643 χ^2/NDF: 507897.2/15

Left Out: 1976.250+/-0.364 χ^2/NDF:654165.9/18

Right Out: 2334.592+/-0.630 χ^2/NDF: 681568.6/18

Left In: 1942.304+/-0.357 χ^2/NDF:105915.1/17

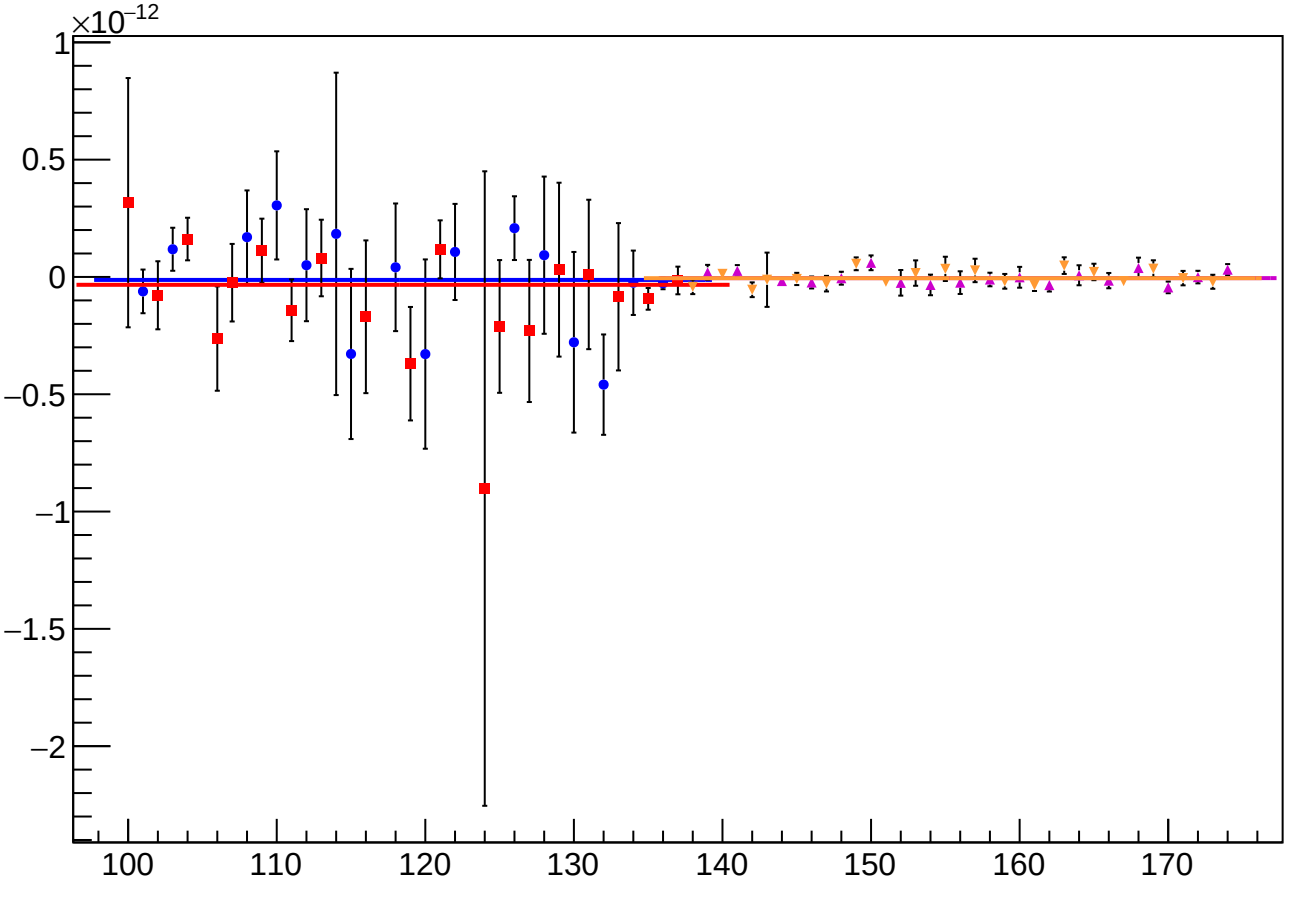
Left: 1958.911+/-0.255 χ^2/NDF: 764511.9/36

Right: 2364.783+/-0.450 χ^2/NDF: 1194162.0/34

In: 2049.090+/-0.312 χ^2/NDF:994834.6/33

Out: 2066.167+/-0.315 χ^2/NDF:1578293.4/37

All: 2057.533+/-0.222 χ^2/NDF: 2574609.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

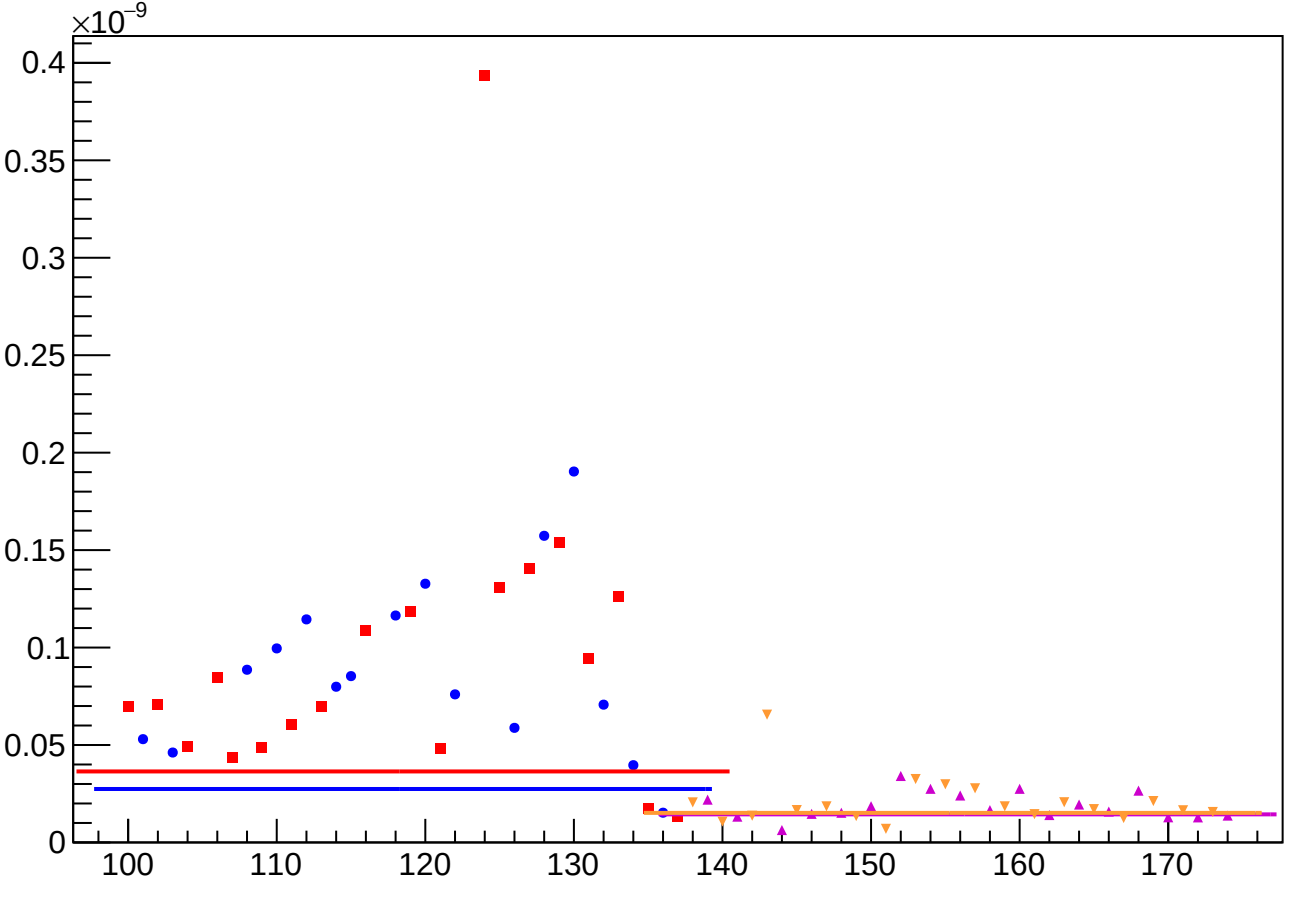
Left: -0.000+/-0.000 χ^2/NDF: 34.3/36

Right: -0.000+/-0.000 χ^2/NDF: 30.4/34

In: -0.000+/-0.000 χ^2/NDF:30.8/33

Out: -0.000+/-0.000 χ^2/NDF:34.7/37

All: -0.000+/-0.000 χ^2/NDF: 65.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 2728016.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1643084.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2442395.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1738616.3/17

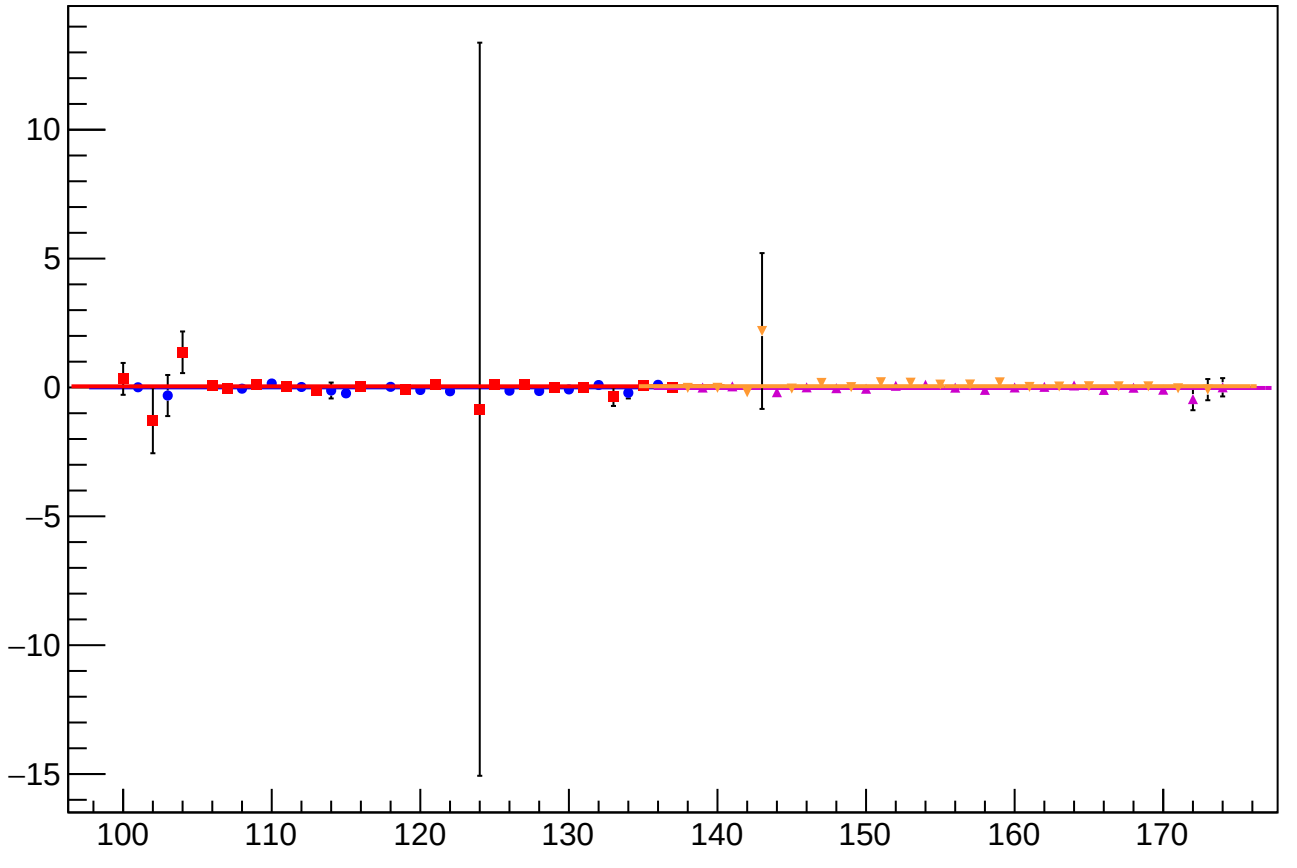
Left: 0.000+/-0.000 χ^2/NDF: 3394812.0/36

Right: 0.000+/-0.000 χ^2/NDF: 5297550.6/34

In: 0.000+/-0.000 χ^2/NDF:5099449.9/33

Out: 0.000+/-0.000 χ^2/NDF:5176252.0/37

All: 0.000+/-0.000 χ^2/NDF: 10293755.7/71



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

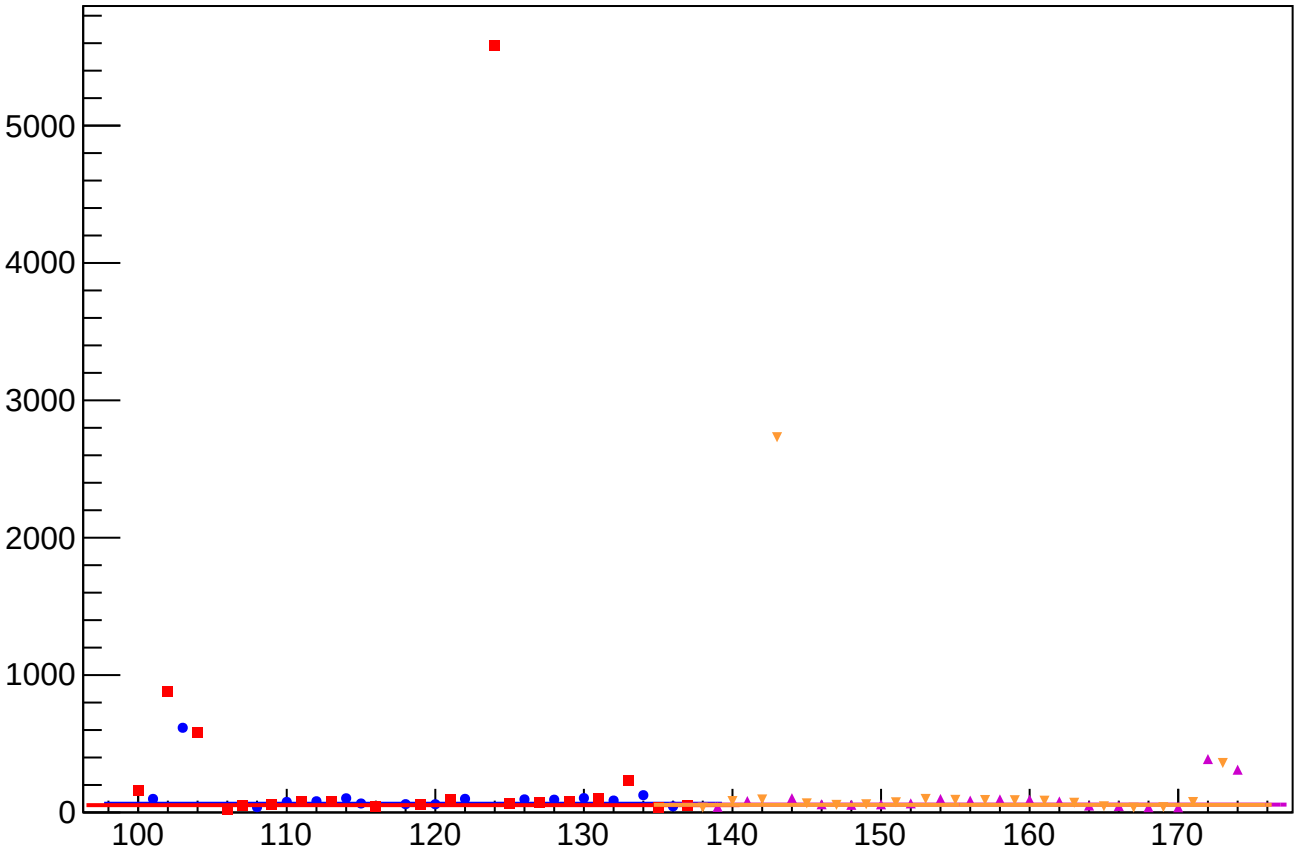
Left: 0.015+/-0.012 χ^2/NDF: 40.7/36

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/71



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.374+/-0.012 χ^2/NDF:5648384.5/18

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

Left: 56.230+/-0.009 χ^2/NDF: 10522729.1/36

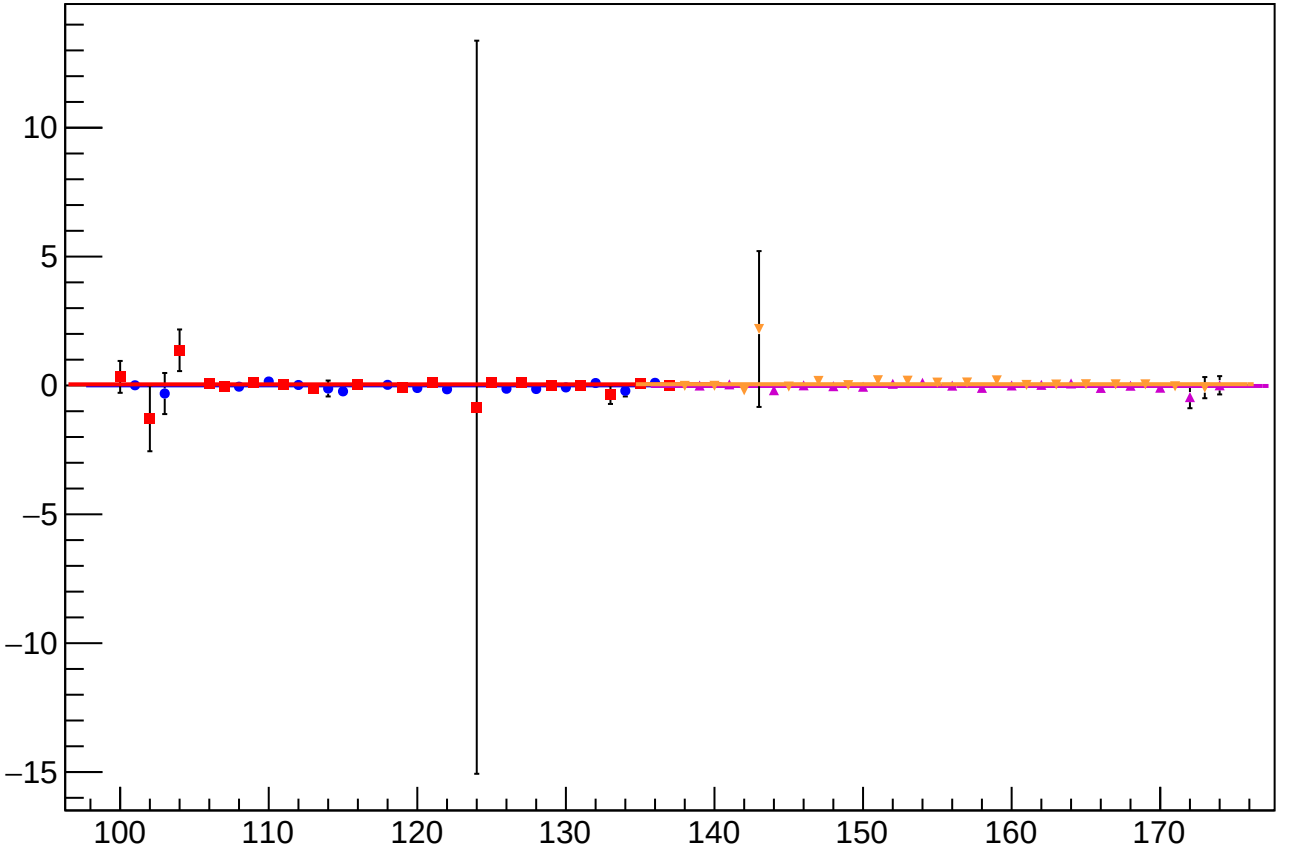
Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.903+/-0.010 χ^2/NDF:7387638.4/33

Out: 54.679+/-0.010 χ^2/NDF:9604508.1/37

All: 56.725+/-0.007 χ^2/NDF: 17079544.1/71

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

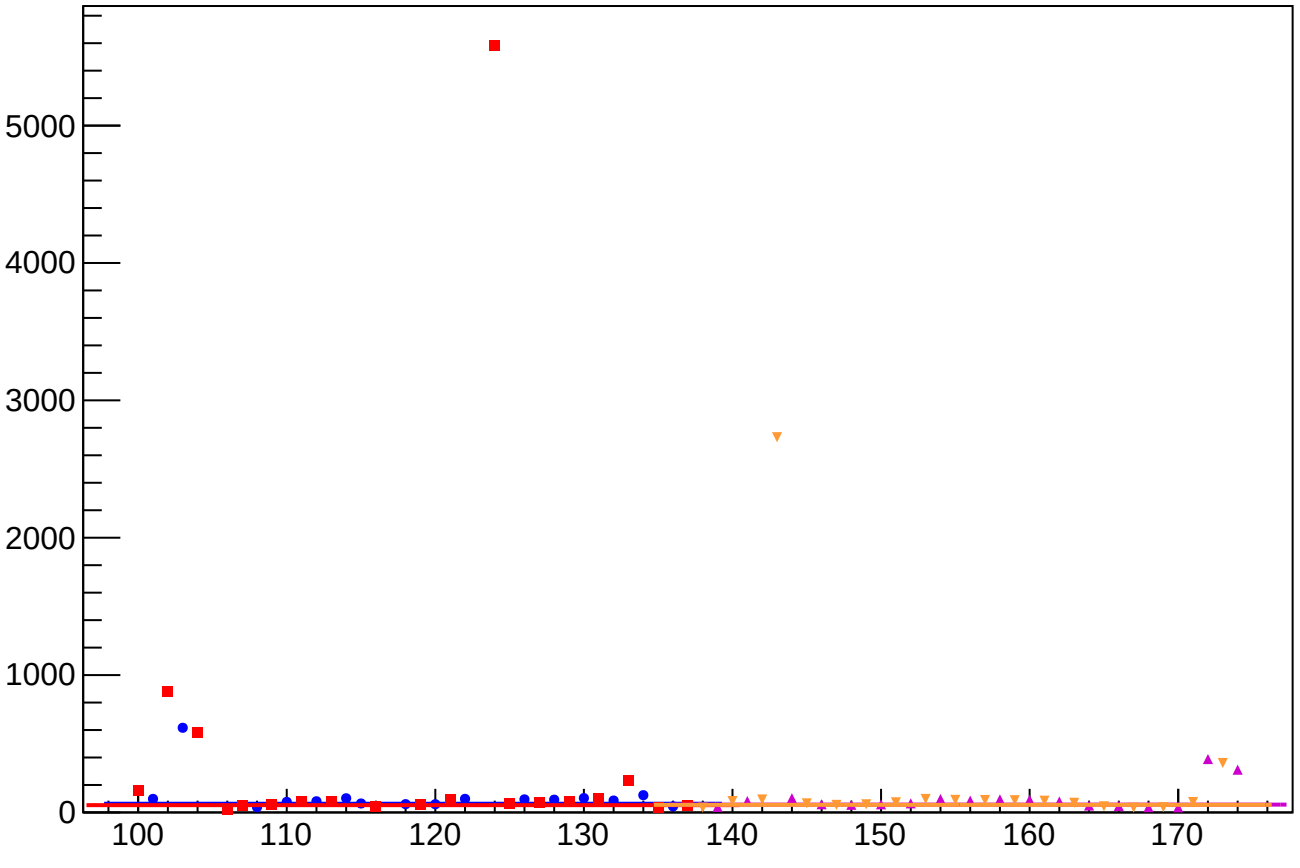
Left: 0.015+/-0.012 χ^2/NDF: 40.7/36

Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/71



Right In: 63.454+/-0.019 χ^2/NDF: 2445255.1/15

Left Out: 55.374+/-0.012 χ^2/NDF:5648384.5/18

Right Out: 53.206+/-0.018 χ^2/NDF: 3945779.6/18

Left In: 57.095+/-0.012 χ^2/NDF:4864225.8/17

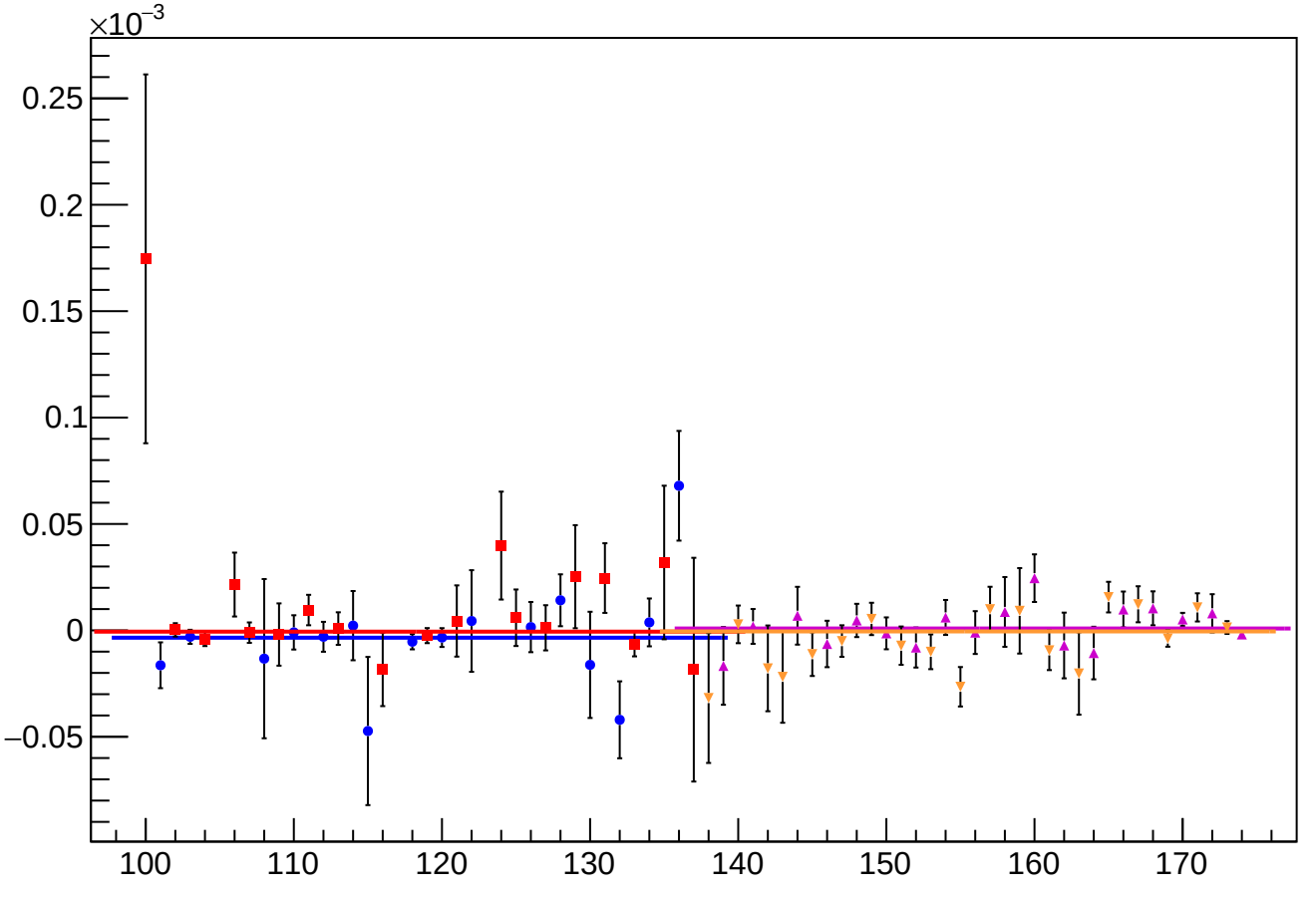
Left: 56.230+/-0.009 χ^2/NDF: 10522729.1/36

Right: 57.863+/-0.013 χ^2/NDF: 6545762.5/34

In: 58.903+/-0.010 χ^2/NDF:7387638.4/33

Out: 54.679+/-0.010 χ^2/NDF:9604508.1/37

All: 56.725+/-0.007 χ^2/NDF: 17079544.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 18.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:29.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: 0.000+/-0.000 χ^2/NDF:16.4/17

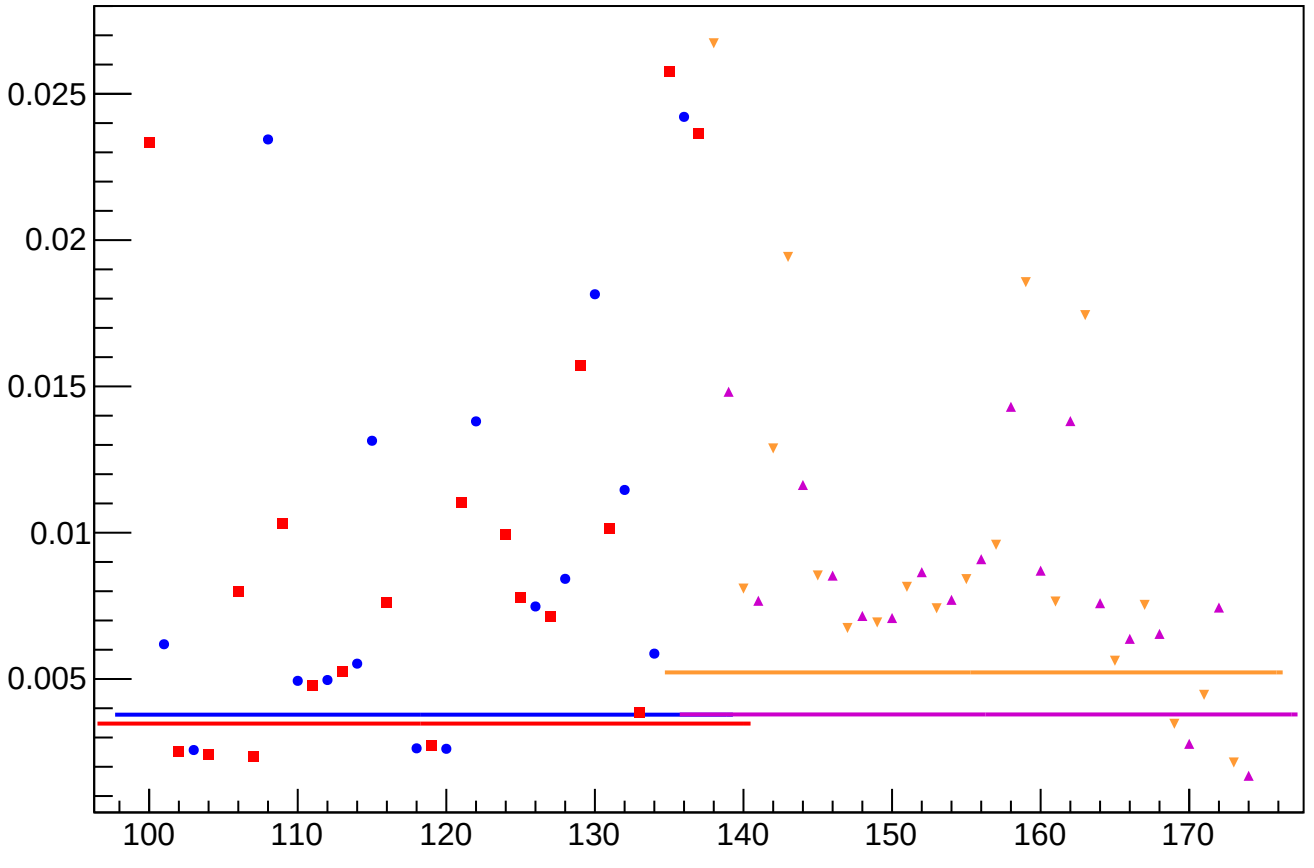
Left: 0.000+/-0.000 χ^2/NDF: 46.1/36

Right: -0.000+/-0.000 χ^2/NDF: 39.5/34

In: -0.000+/-0.000 χ^2/NDF:39.0/33

Out: -0.000+/-0.000 χ^2/NDF:48.4/37

All: -0.000+/-0.000 χ^2/NDF: 87.4/71



Right In: 0.004+/-0.000 χ^2/NDF: 4719536.5/15

Left Out: 0.005+/-0.000 χ^2/NDF:8198796.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 4495340.7/18

Left In: 0.004+/-0.000 χ^2/NDF:10330843.4/17

Left: 0.004+/-0.000 χ^2/NDF: 19440937.5/36

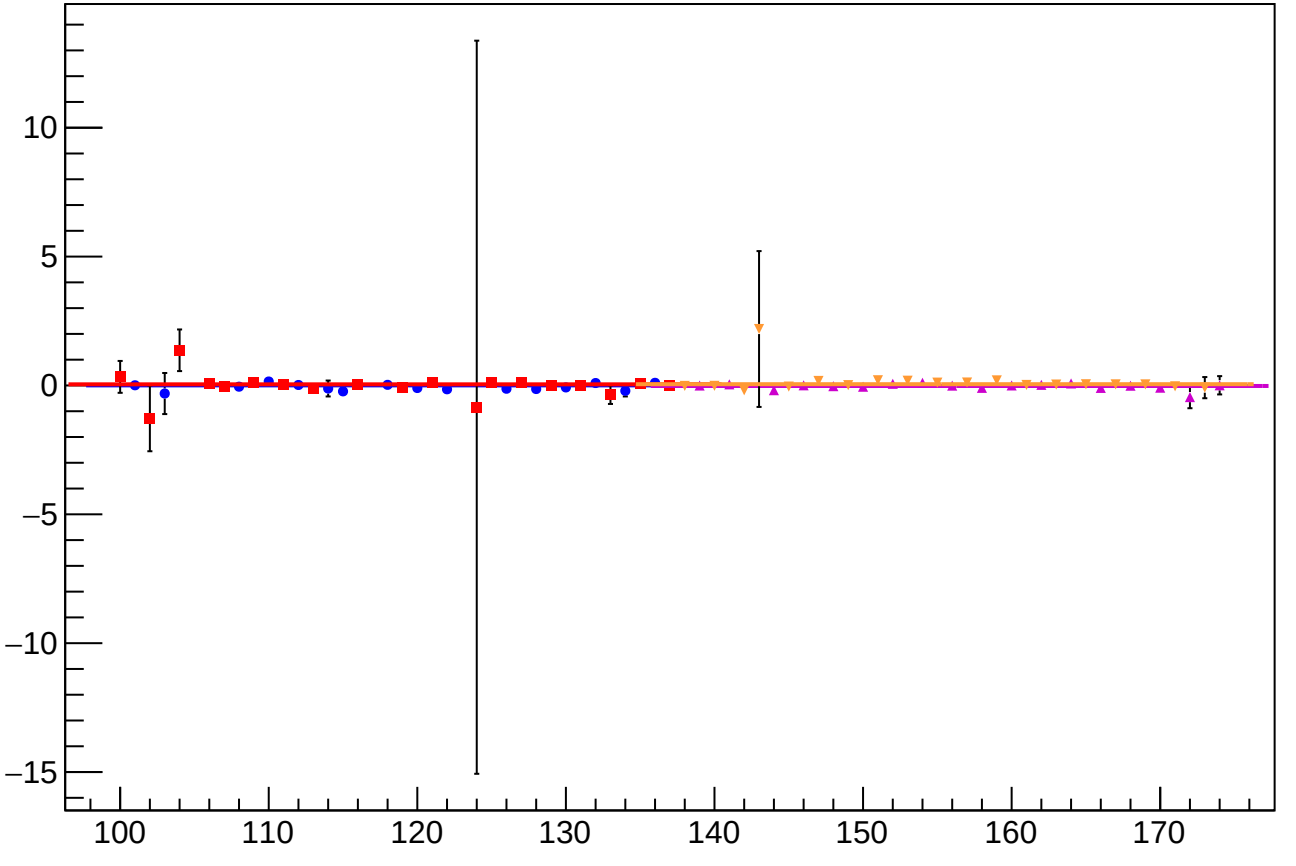
Right: 0.004+/-0.000 χ^2/NDF: 9247440.2/34

In: 0.004+/-0.000 χ^2/NDF:15050402.0/33

Out: 0.004+/-0.000 χ^2/NDF:13883246.5/37

All: 0.004+/-0.000 χ^2/NDF: 29139397.2/71

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

Left: 0.015+/-0.012 χ^2/NDF: 40.7/36

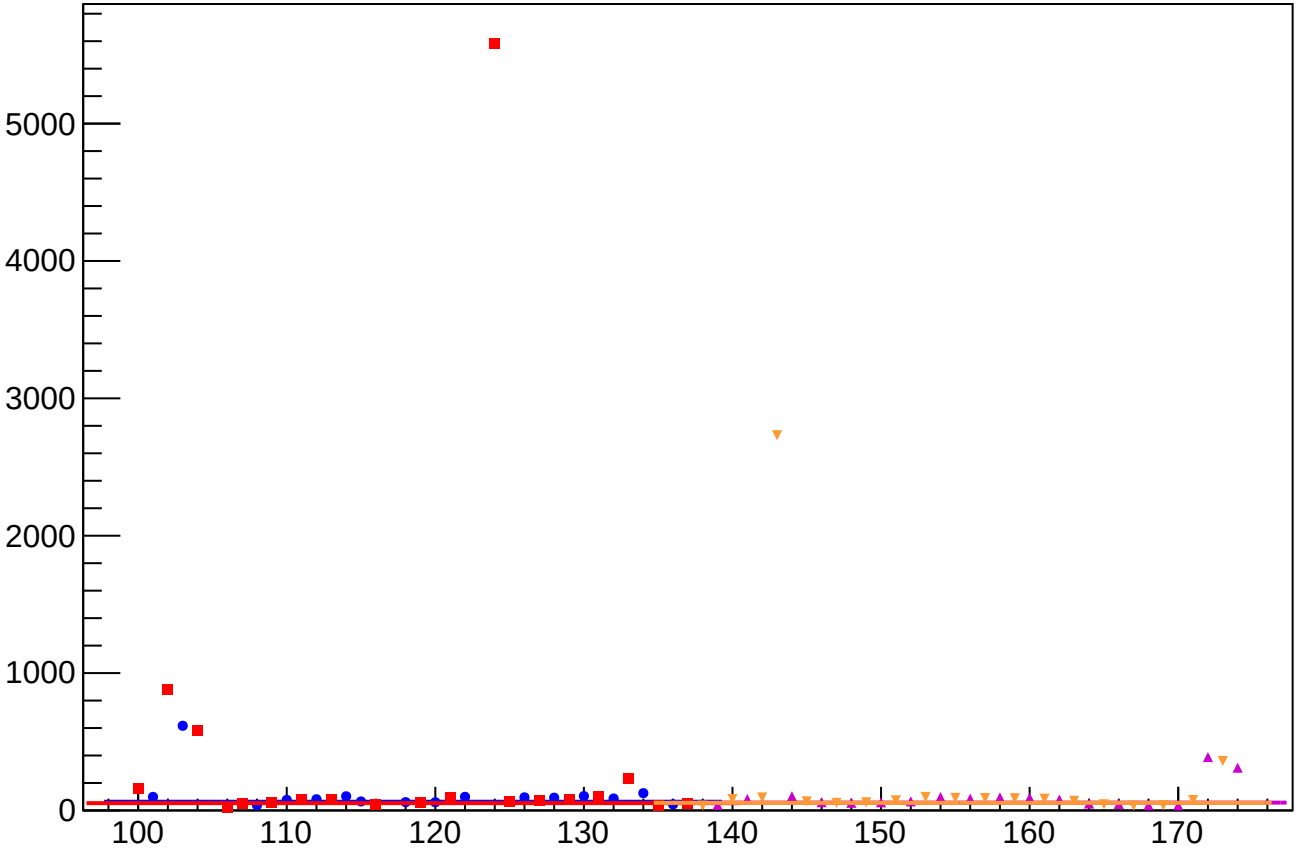
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/71

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.372+/-0.012 χ^2/NDF:5648104.4/18

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

Left: 56.230+/-0.009 χ^2/NDF: 10522028.0/36

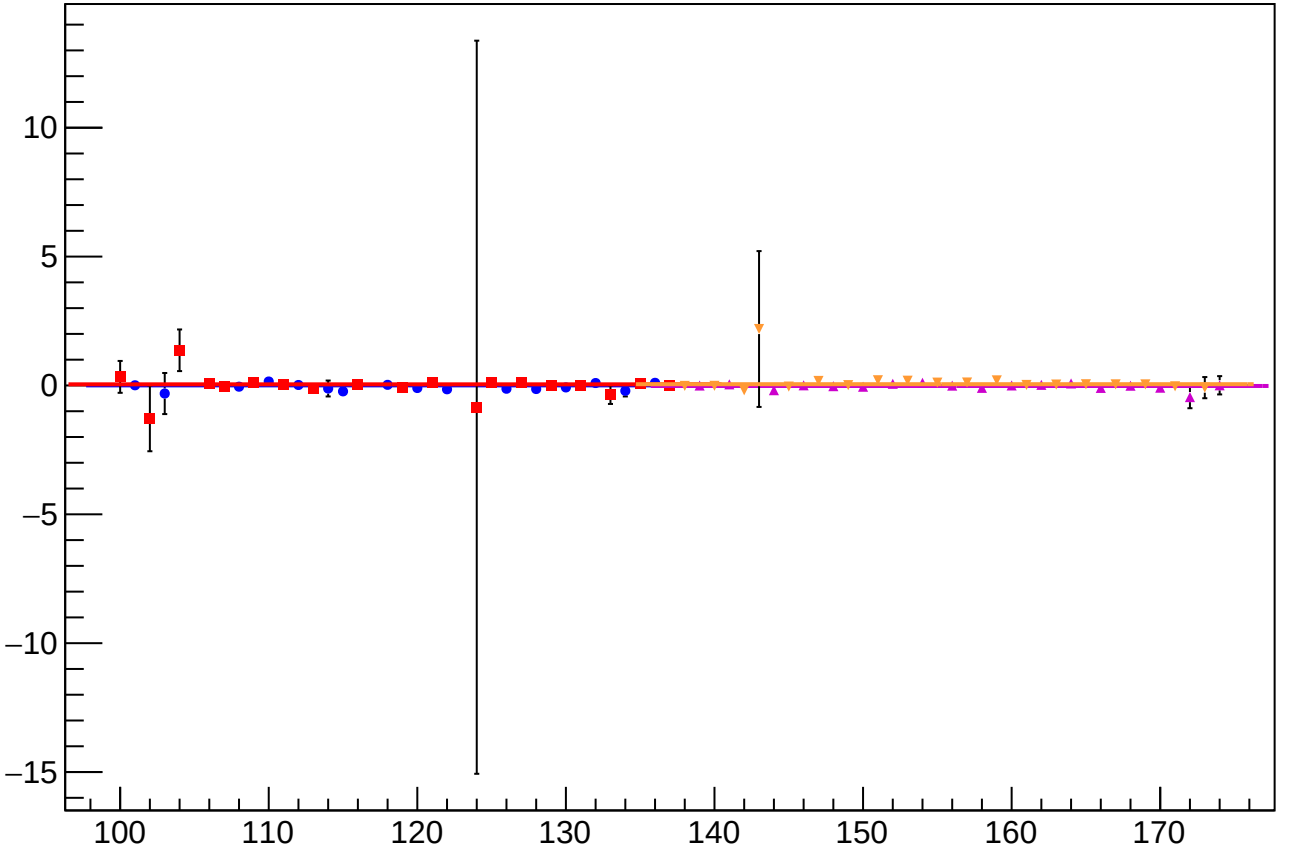
Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.907+/-0.010 χ^2/NDF:7386430.2/33

Out: 54.676+/-0.010 χ^2/NDF:9604816.5/37

All: 56.725+/-0.007 χ^2/NDF: 17078908.4/71

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.027 χ^2/NDF: 13.3/15

Left Out: 0.049+/-0.017 χ^2/NDF:19.9/18

Right Out: 0.044+/-0.025 χ^2/NDF: 12.7/18

Left In: -0.020+/-0.017 χ^2/NDF:12.8/17

Left: 0.015+/-0.012 χ^2/NDF: 40.7/36

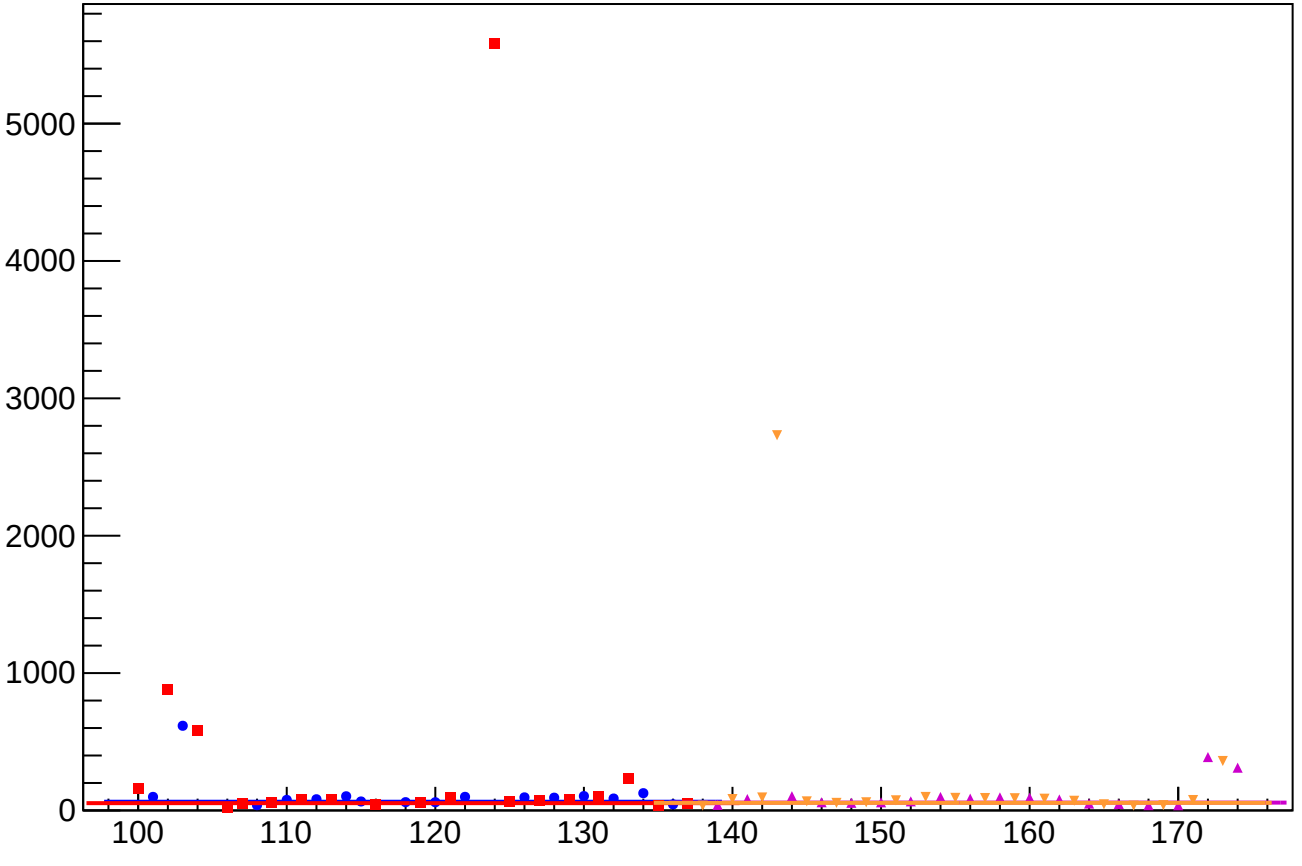
Right: 0.025+/-0.018 χ^2/NDF: 27.2/34

In: -0.013+/-0.015 χ^2/NDF:26.6/33

Out: 0.047+/-0.014 χ^2/NDF:32.6/37

All: 0.018+/-0.010 χ^2/NDF: 68.1/71

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 63.463+/-0.019 χ^2/NDF: 2444357.3/15

Left Out: 55.372+/-0.012 χ^2/NDF:5648104.4/18

Right Out: 53.201+/-0.018 χ^2/NDF: 3946328.9/18

Left In: 57.097+/-0.012 χ^2/NDF:4863764.9/17

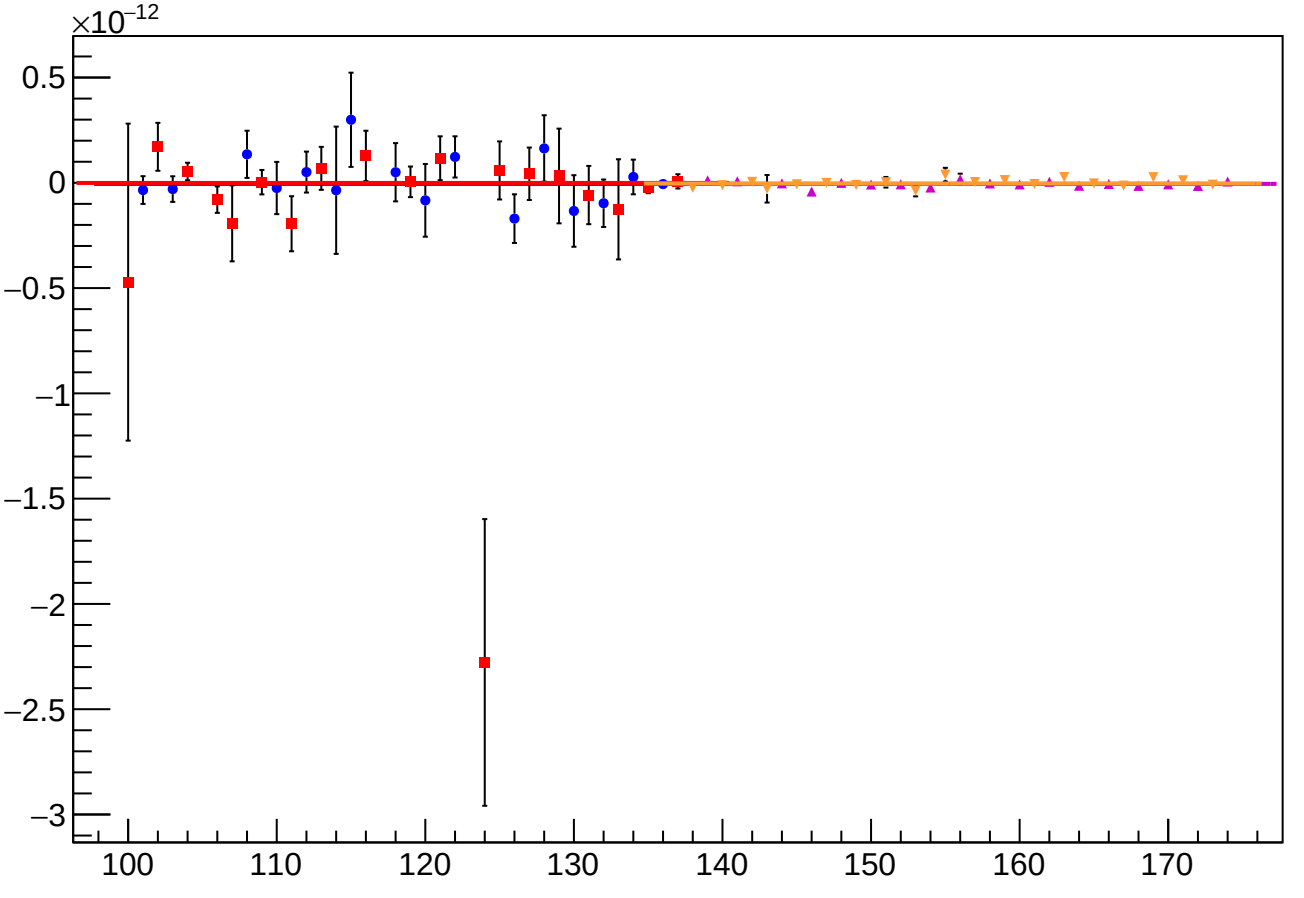
Left: 56.230+/-0.009 χ^2/NDF: 10522028.0/36

Right: 57.864+/-0.013 χ^2/NDF: 6545828.7/34

In: 58.907+/-0.010 χ^2/NDF:7386430.2/33

Out: 54.676+/-0.010 χ^2/NDF:9604816.5/37

All: 56.725+/-0.007 χ^2/NDF: 17078908.4/71



Right In: -0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:10.9/17

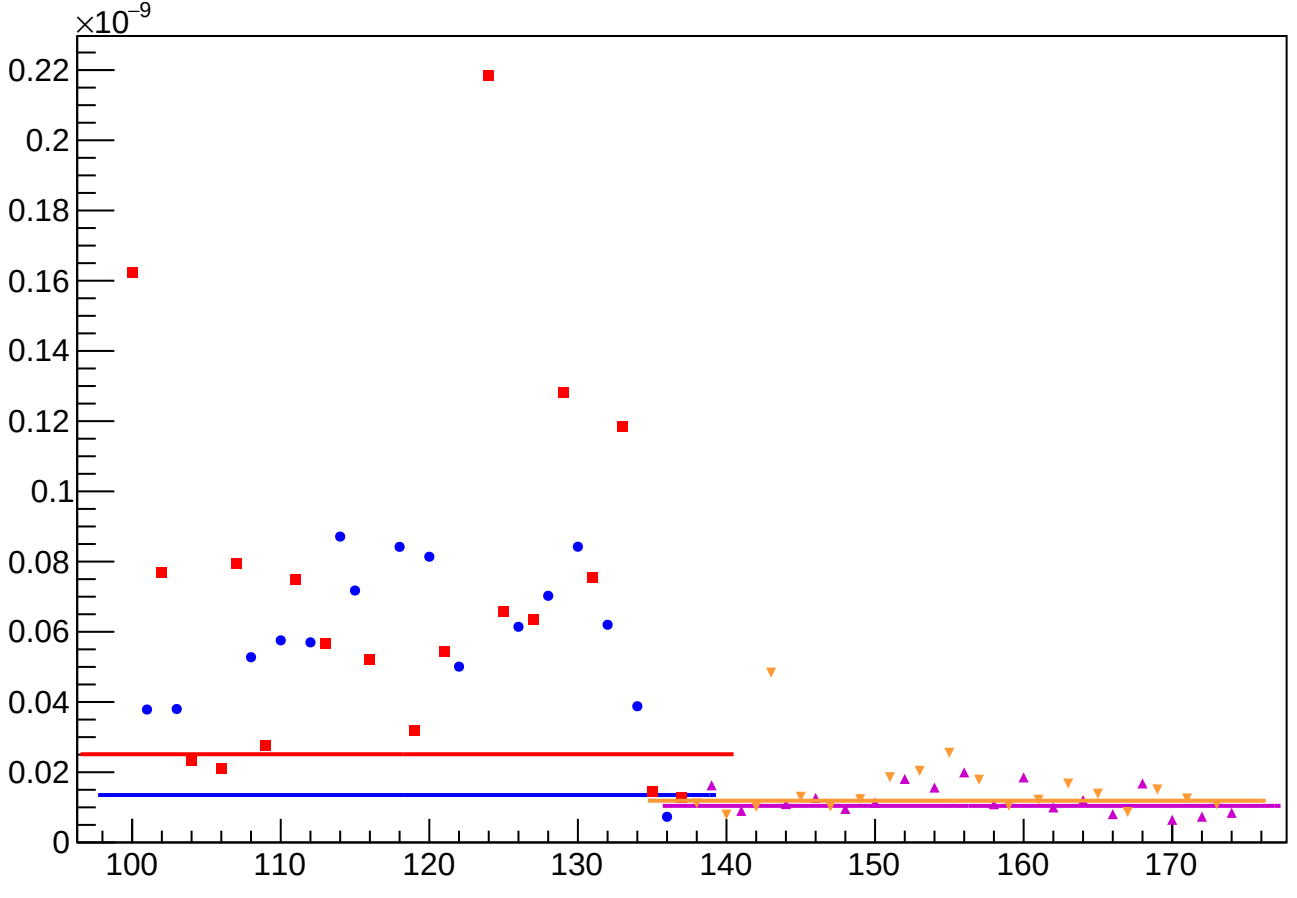
Left: -0.000+/-0.000 χ^2/NDF: 24.7/36

Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: -0.000+/-0.000 χ^2/NDF:21.7/33

Out: -0.000+/-0.000 χ^2/NDF:38.7/37

All: -0.000+/-0.000 χ^2/NDF: 60.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 4993378.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2144540.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3578472.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1844263.8/17

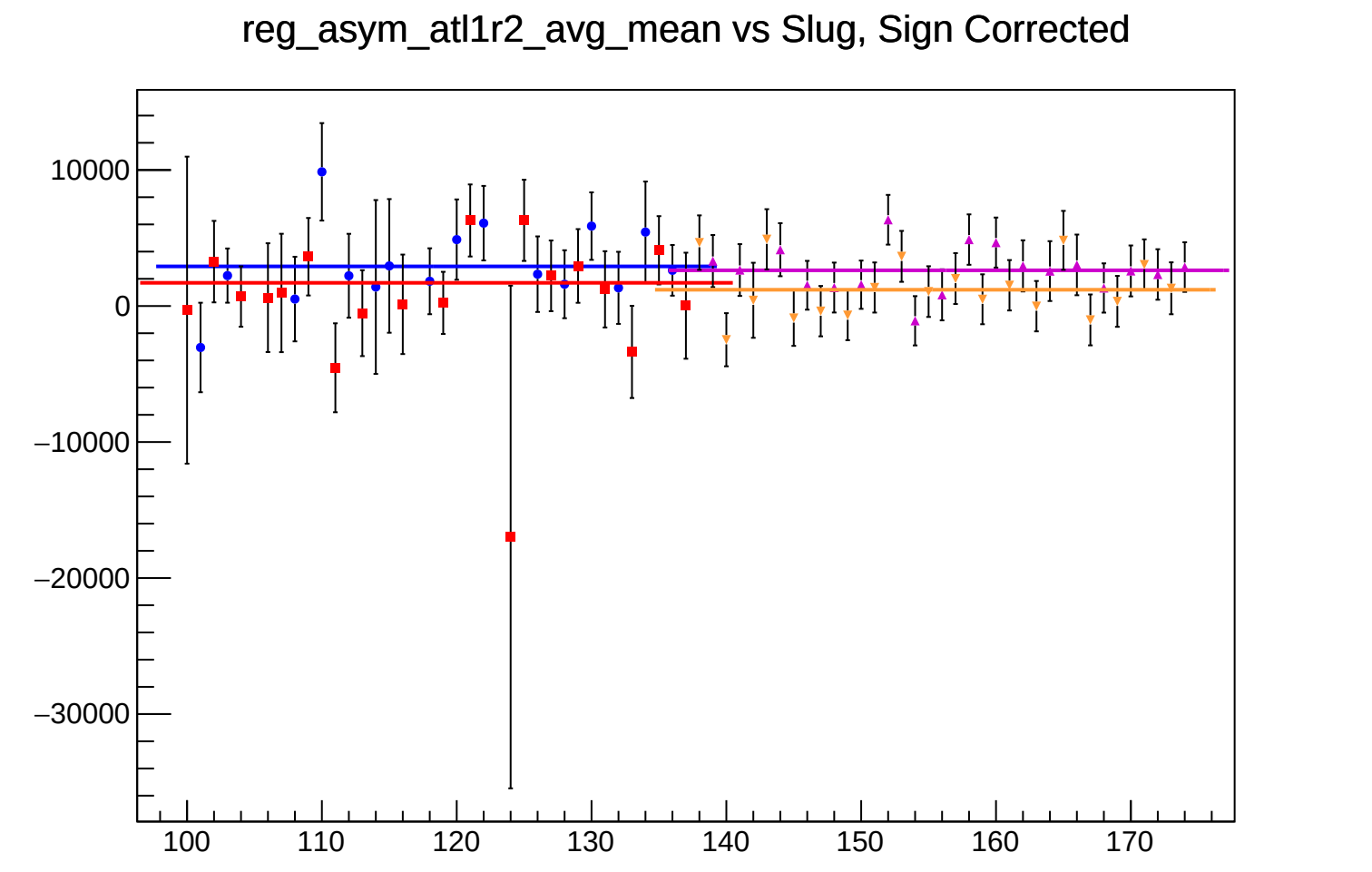
Left: 0.000+/-0.000 χ^2/NDF: 4144275.8/36

Right: 0.000+/-0.000 χ^2/NDF: 9384983.4/34

In: 0.000+/-0.000 χ^2/NDF:6999329.0/33

Out: 0.000+/-0.000 χ^2/NDF:7170841.5/37

All: 0.000+/-0.000 χ^2/NDF: 14478483.1/71



Right In: 2912.991+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.646+/-444.682 χ^2/NDF:20.2/18

Right Out: 1704.904+/-706.846 χ^2/NDF: 15.8/18

Left In: 2624.653+/-443.557 χ^2/NDF:14.5/17

Left: 1911.959+/-314.039 χ^2/NDF: 39.9/36

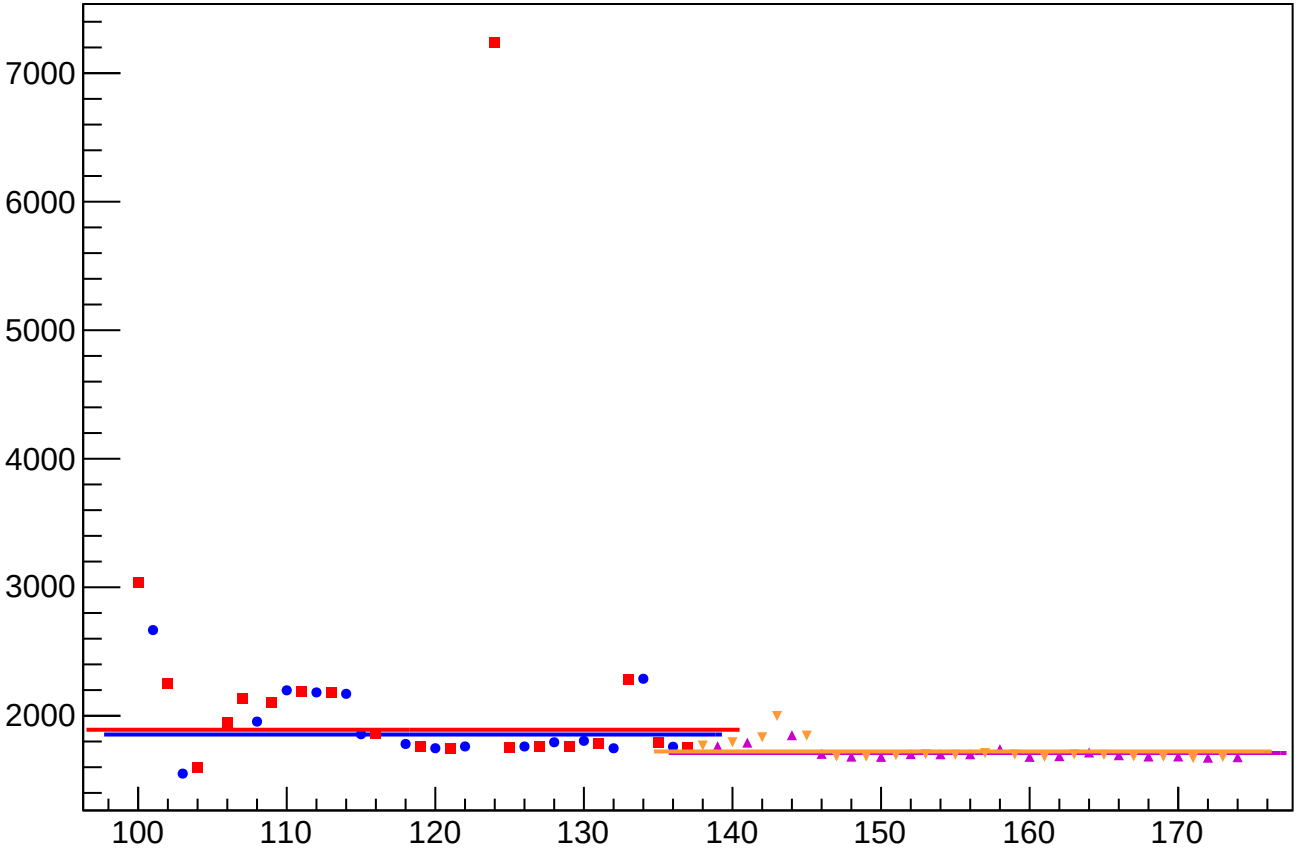
Right: 2319.102+/-495.597 χ^2/NDF: 29.8/34

In: 2708.095+/-373.909 χ^2/NDF:27.1/33

Out: 1340.048+/-376.393 χ^2/NDF:36.4/37

All: 2028.602+/-265.267 χ^2/NDF: 70.1/71

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.7/15

Left Out: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.469+/-0.499 χ^2/NDF: 364050.6/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

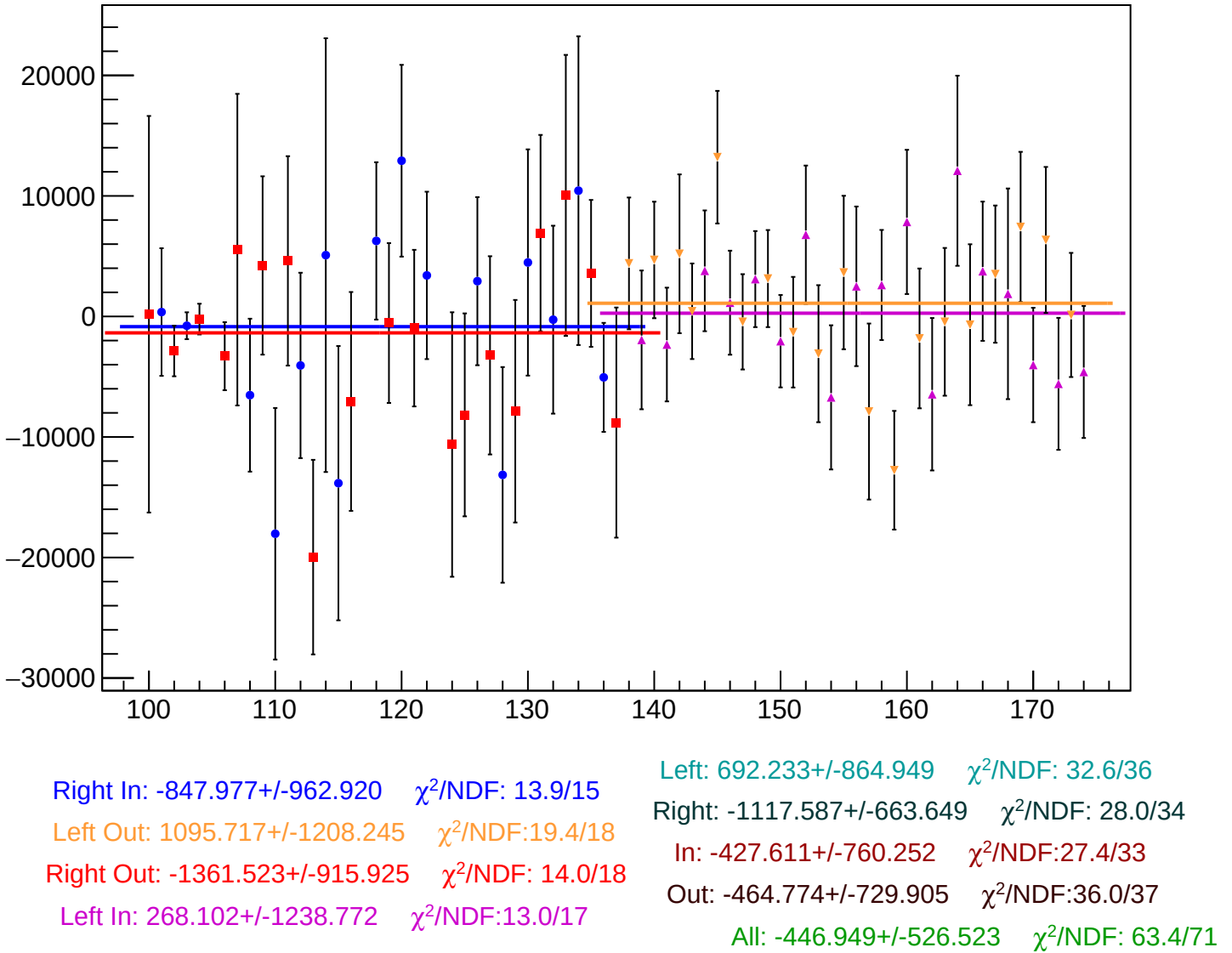
Left: 1716.566+/-0.222 χ^2/NDF: 75558.0/36

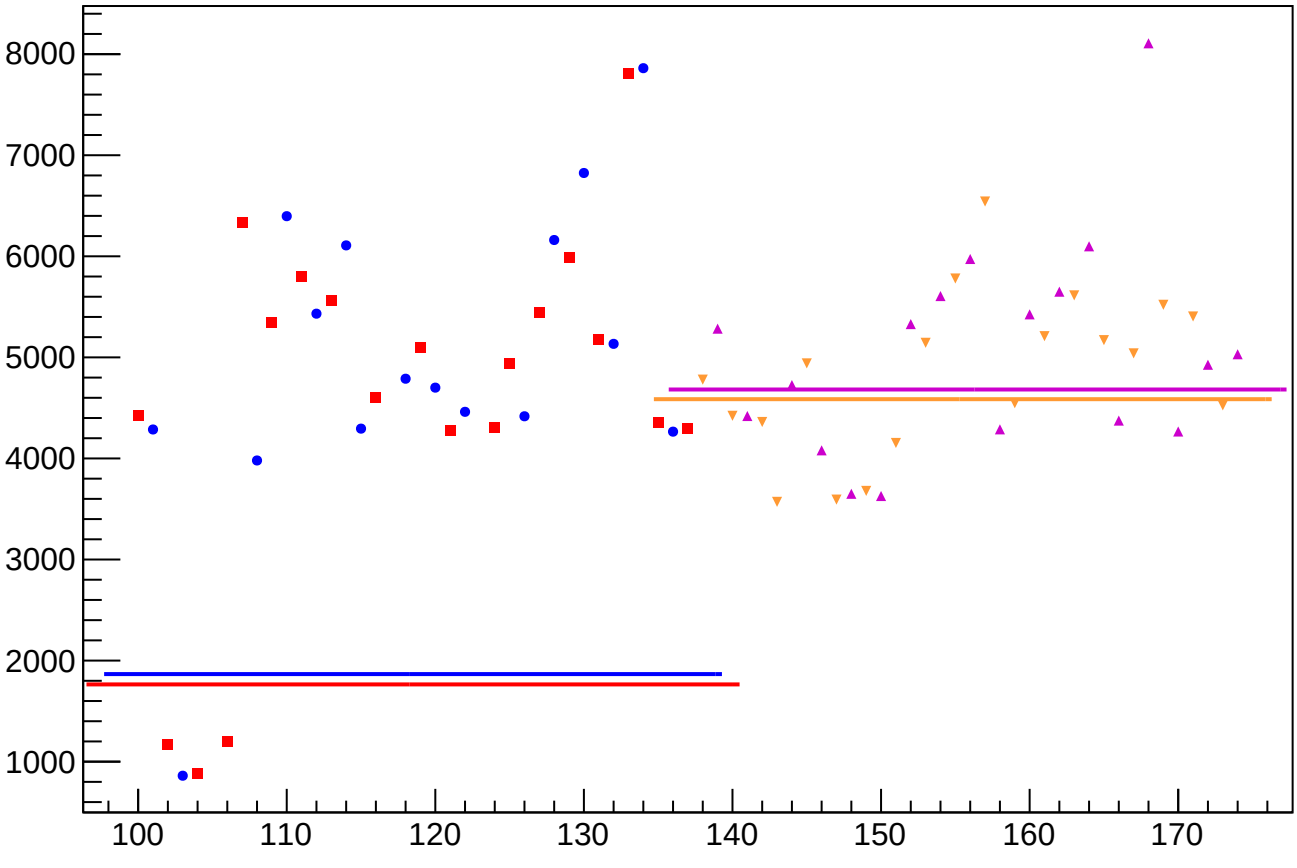
Right: 1872.622+/-0.350 χ^2/NDF: 630189.4/34

In: 1752.161+/-0.264 χ^2/NDF:344345.2/33

Out: 1770.645+/-0.266 χ^2/NDF:500695.4/37

All: 1761.348+/-0.188 χ^2/NDF: 847469.8/71


asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -847.977+/-962.920 χ²/NDF: 13.9/15
Left Out: 1095.717+/-1208.245 χ²/NDF:19.4/18
Right Out: -1361.523+/-915.925 χ²/NDF: 14.0/18
Left In: 268.102+/-1238.772 χ²/NDF:13.0/17
Left: 692.233+/-864.949 χ²/NDF: 32.6/36
Right: -1117.587+/-663.649 χ²/NDF: 28.0/34
In: -427.611+/-760.252 χ²/NDF:27.4/33
Out: -464.774+/-729.905 χ²/NDF:36.0/37
All: -446.949+/-526.523 χ²/NDF: 63.4/71



Right In: 1866.405+/-0.681 χ^2/NDF: 6849638.3/15

Left Out: 4586.357+/-0.854 χ^2/NDF:814515.9/18

Right Out: 1764.281+/-0.648 χ^2/NDF: 6434807.7/18

Left In: 4682.158+/-0.876 χ^2/NDF:998862.9/17

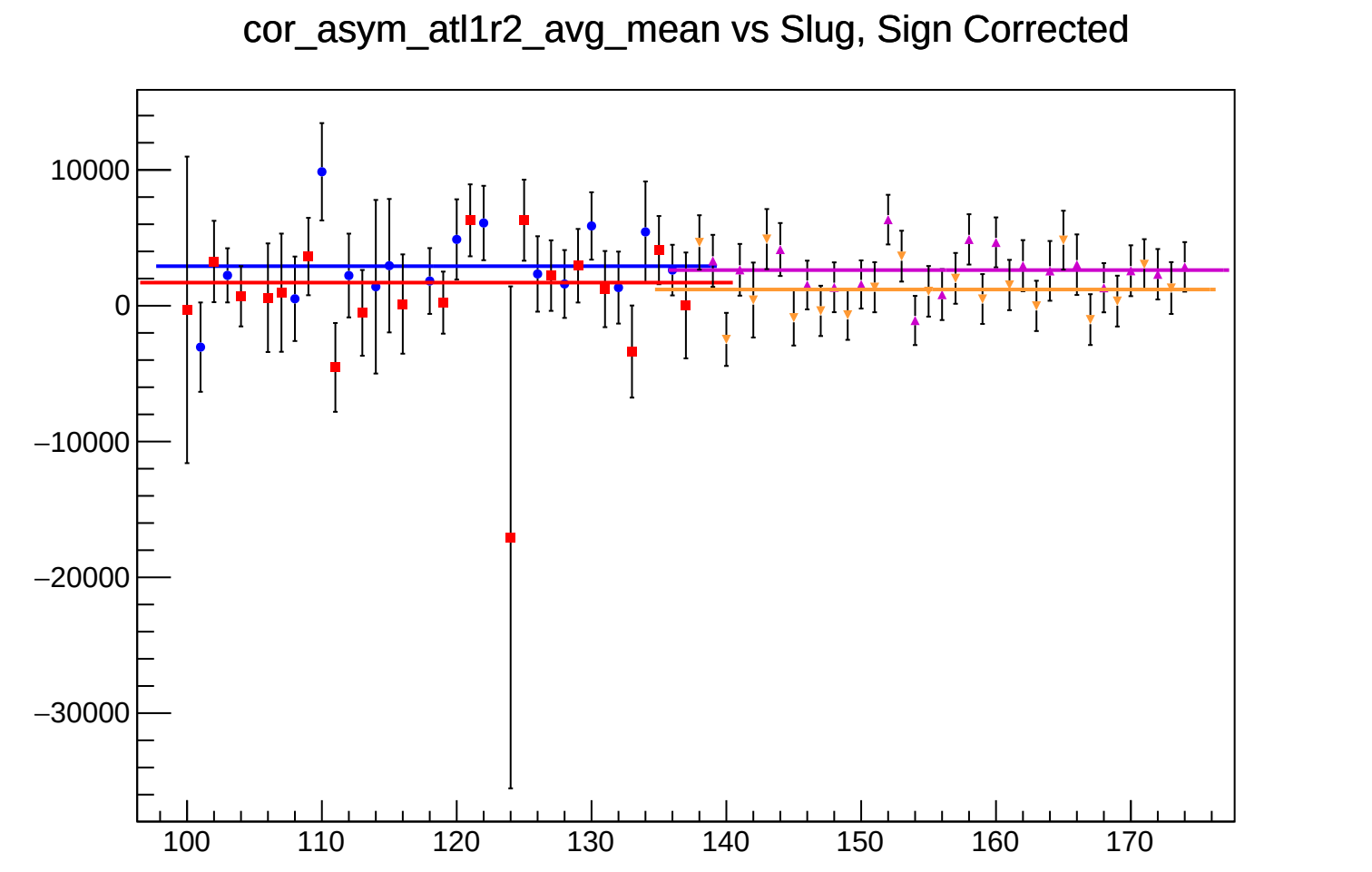
Left: 4633.063+/-0.612 χ^2/NDF: 1819508.7/36

Right: 1812.790+/-0.469 χ^2/NDF: 13296256.2/34

In: 2926.945+/-0.538 χ^2/NDF:14289769.2/33

Out: 2794.174+/-0.516 χ^2/NDF:14178334.6/37

All: 2857.857+/-0.372 χ^2/NDF: 28499844.6/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.525+/-444.682 χ^2/NDF:20.2/18

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2624.628+/-443.557 χ^2/NDF:14.5/17

Left: 1911.886+/-314.039 χ^2/NDF: 39.9/36

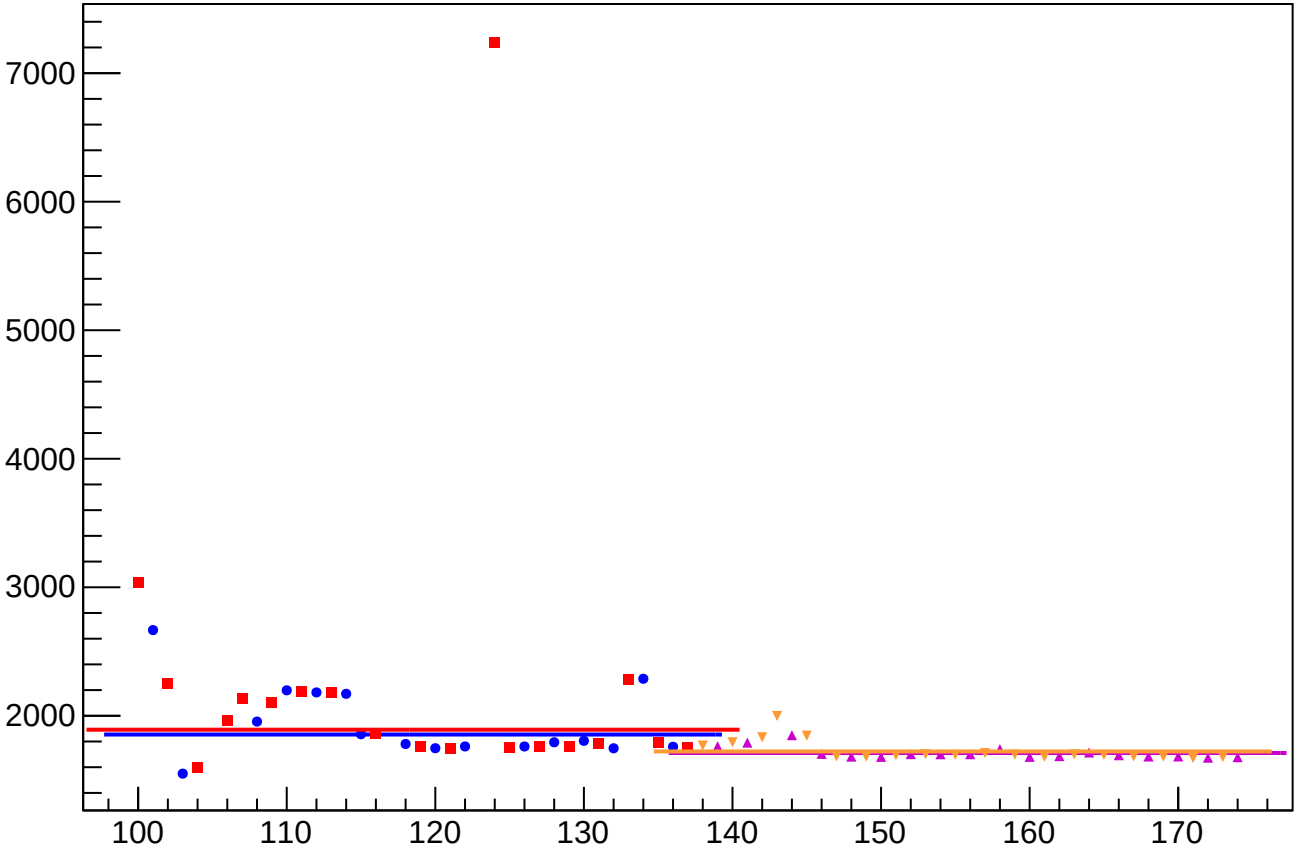
Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2708.107+/-373.909 χ^2/NDF:27.1/33

Out: 1339.569+/-376.393 χ^2/NDF:36.4/37

All: 2028.370+/-265.267 χ^2/NDF: 70.1/71

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

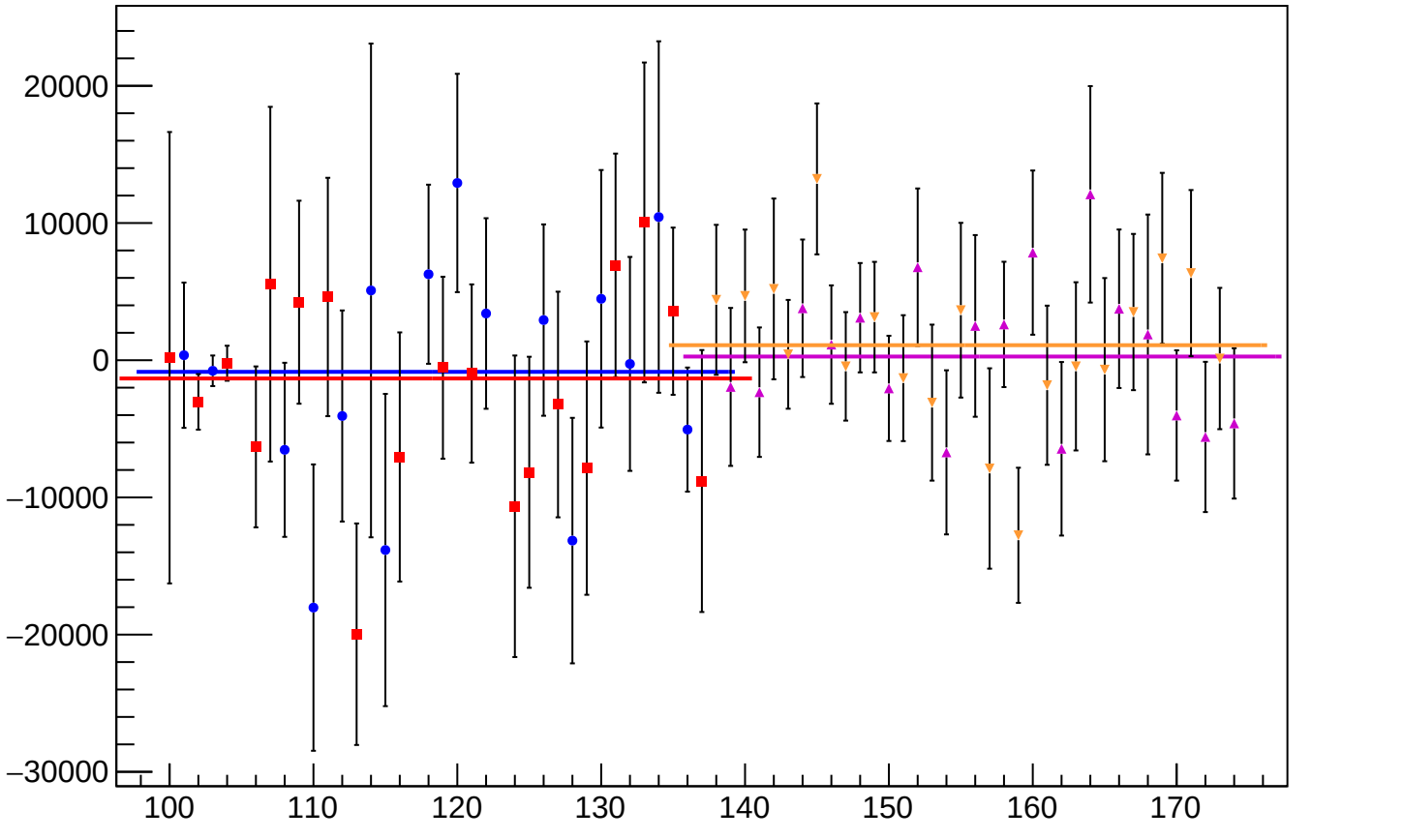
Left: 1716.567+/-0.222 χ^2/NDF: 75558.0/36

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1752.161+/-0.264 χ^2/NDF:344345.1/33

Out: 1770.760+/-0.266 χ^2/NDF:501356.2/37

All: 1761.404+/-0.188 χ^2/NDF: 848160.6/71



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1095.697+/-1208.243 χ^2/NDF:19.4/18

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 268.156+/-1238.772 χ^2/NDF:13.0/17

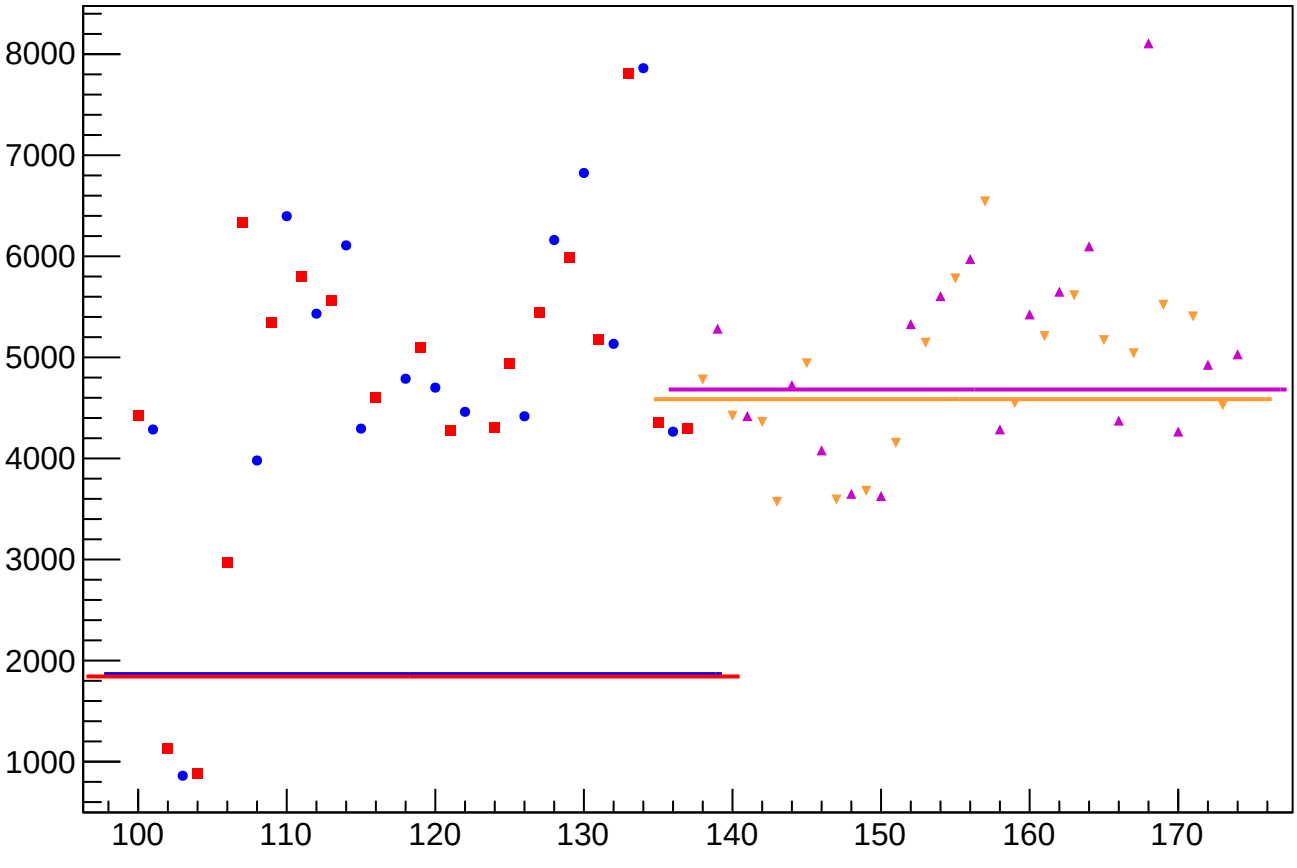
Left: 692.250+/-864.948 χ^2/NDF: 32.6/36

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -427.325+/-760.226 χ^2/NDF:27.4/33

Out: -406.364+/-745.909 χ^2/NDF:36.3/37

All: -416.645+/-532.427 χ^2/NDF: 63.7/71



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4586.350+/-0.854 χ^2/NDF:814526.5/18

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

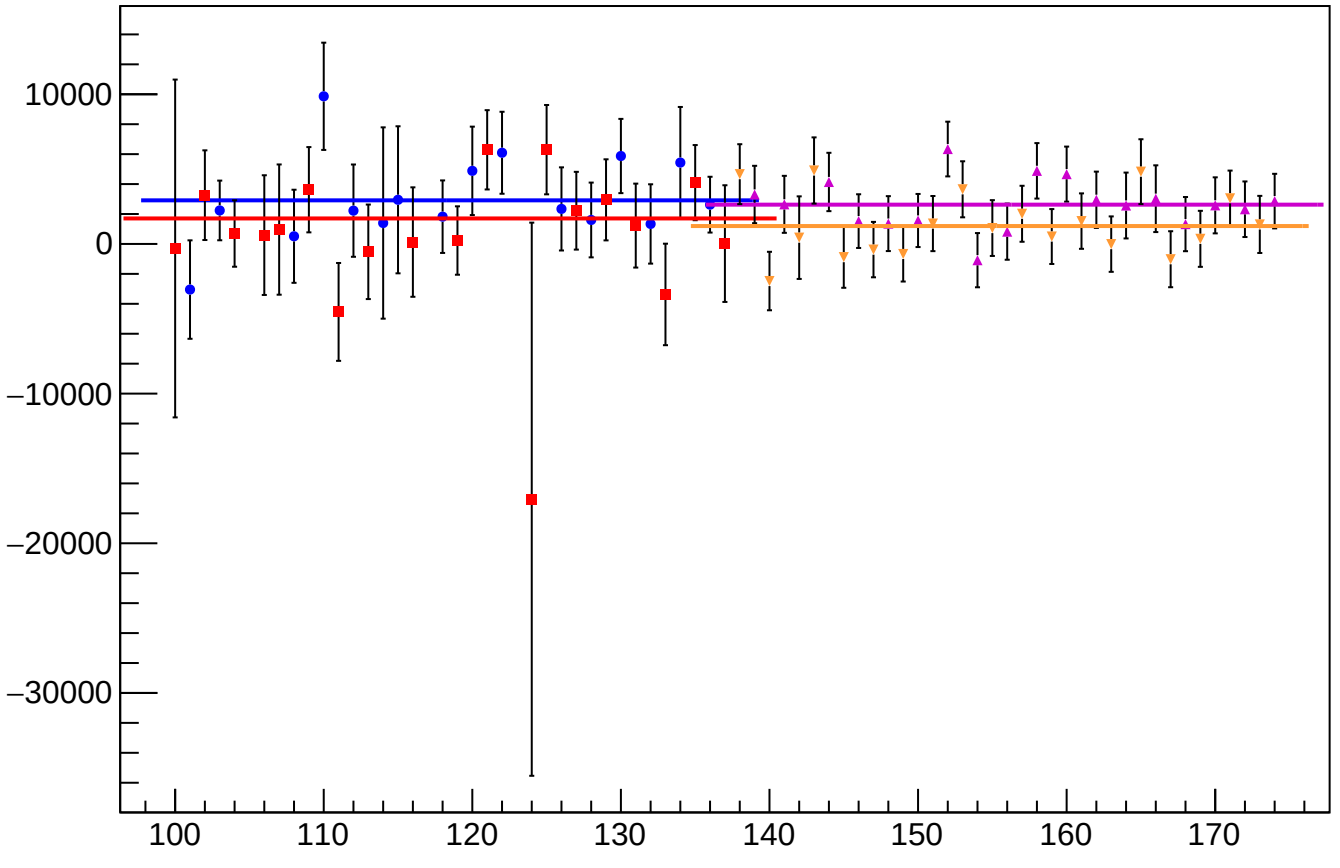
Left: 4633.058+/-0.612 χ^2/NDF: 1819537.3/36

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2926.775+/-0.538 χ^2/NDF:14291174.3/33

Out: 2888.476+/-0.527 χ^2/NDF:13654545.5/37

All: 2907.262+/-0.376 χ^2/NDF: 27948306.2/7



Right In: 2913.091+/-695.062 χ^2/NDF: 12.4/15

Left Out: 1195.525+/-444.682 χ^2/NDF:20.2/18

Right Out: 1703.523+/-706.847 χ^2/NDF: 15.8/18

Left In: 2624.628+/-443.557 χ^2/NDF:14.5/17

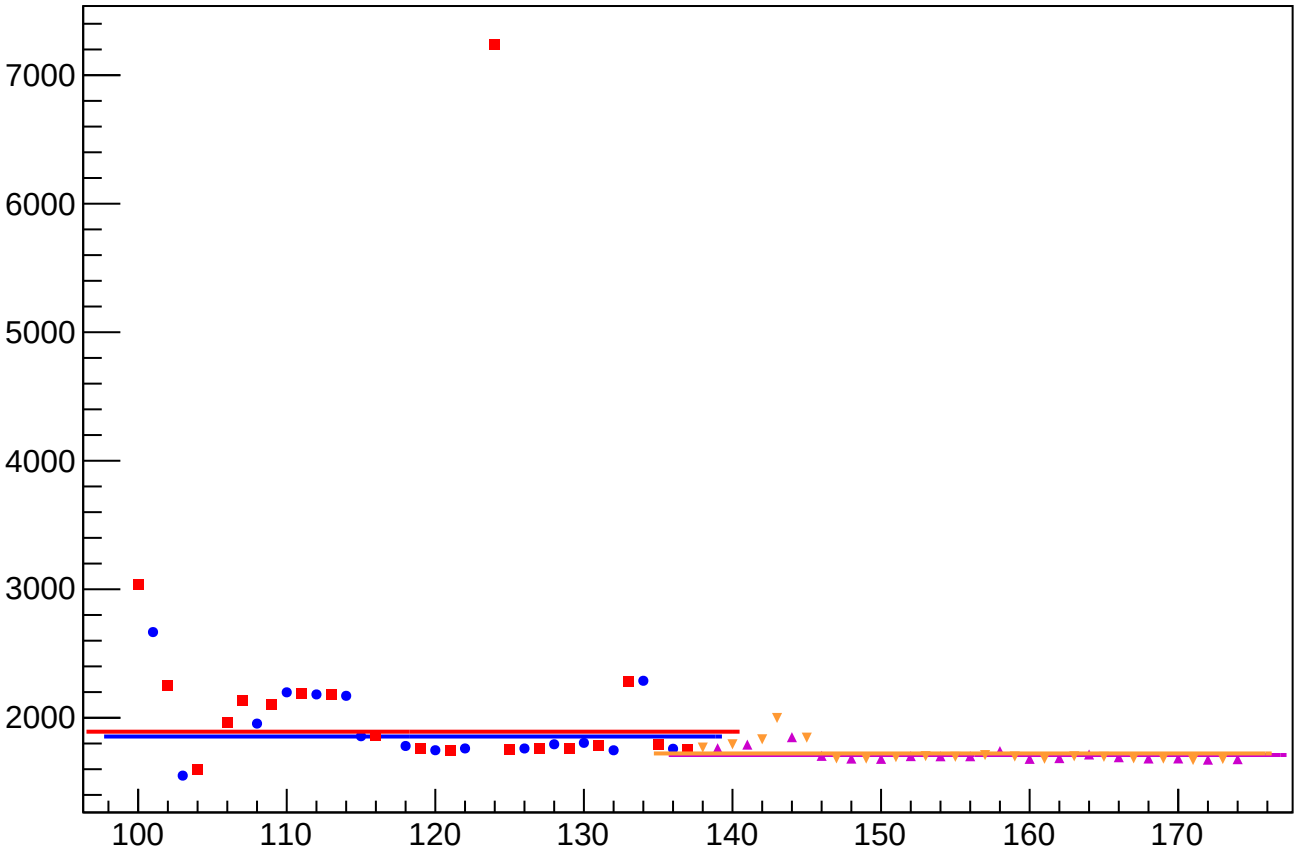
Left: 1911.886+/-314.039 χ^2/NDF: 39.9/36

Right: 2318.475+/-495.597 χ^2/NDF: 29.8/34

In: 2708.107+/-373.909 χ^2/NDF:27.1/33

Out: 1339.569+/-376.393 χ^2/NDF:36.4/37

All: 2028.370+/-265.267 χ^2/NDF: 70.1/71



Right In: 1854.314+/-0.491 χ^2/NDF: 263322.5/15

Left Out: 1722.603+/-0.314 χ^2/NDF:54592.6/18

Right Out: 1891.927+/-0.499 χ^2/NDF: 364292.2/18

Left In: 1710.560+/-0.314 χ^2/NDF:20230.0/17

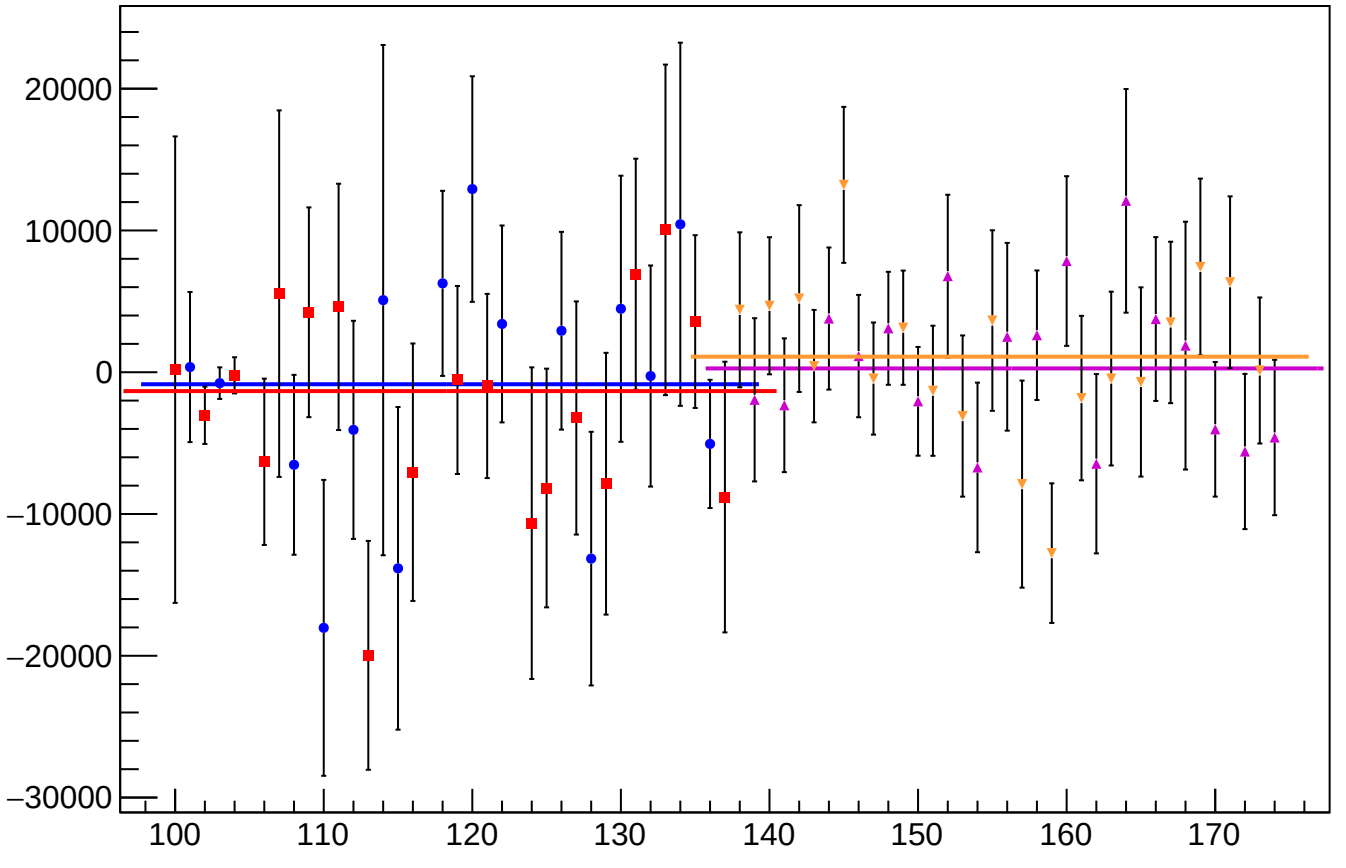
Left: 1716.567+/-0.222 χ^2/NDF: 75558.0/36

Right: 1872.844+/-0.350 χ^2/NDF: 630500.1/34

In: 1752.161+/-0.264 χ^2/NDF:344345.1/33

Out: 1770.760+/-0.266 χ^2/NDF:501356.2/37

All: 1761.404+/-0.188 χ^2/NDF: 848160.6/71



Right In: -847.504+/-962.866 χ^2/NDF: 13.9/15

Left Out: 1095.697+/-1208.243 χ^2/NDF:19.4/18

Right Out: -1331.371+/-948.163 χ^2/NDF: 14.4/18

Left In: 268.156+/-1238.772 χ^2/NDF:13.0/17

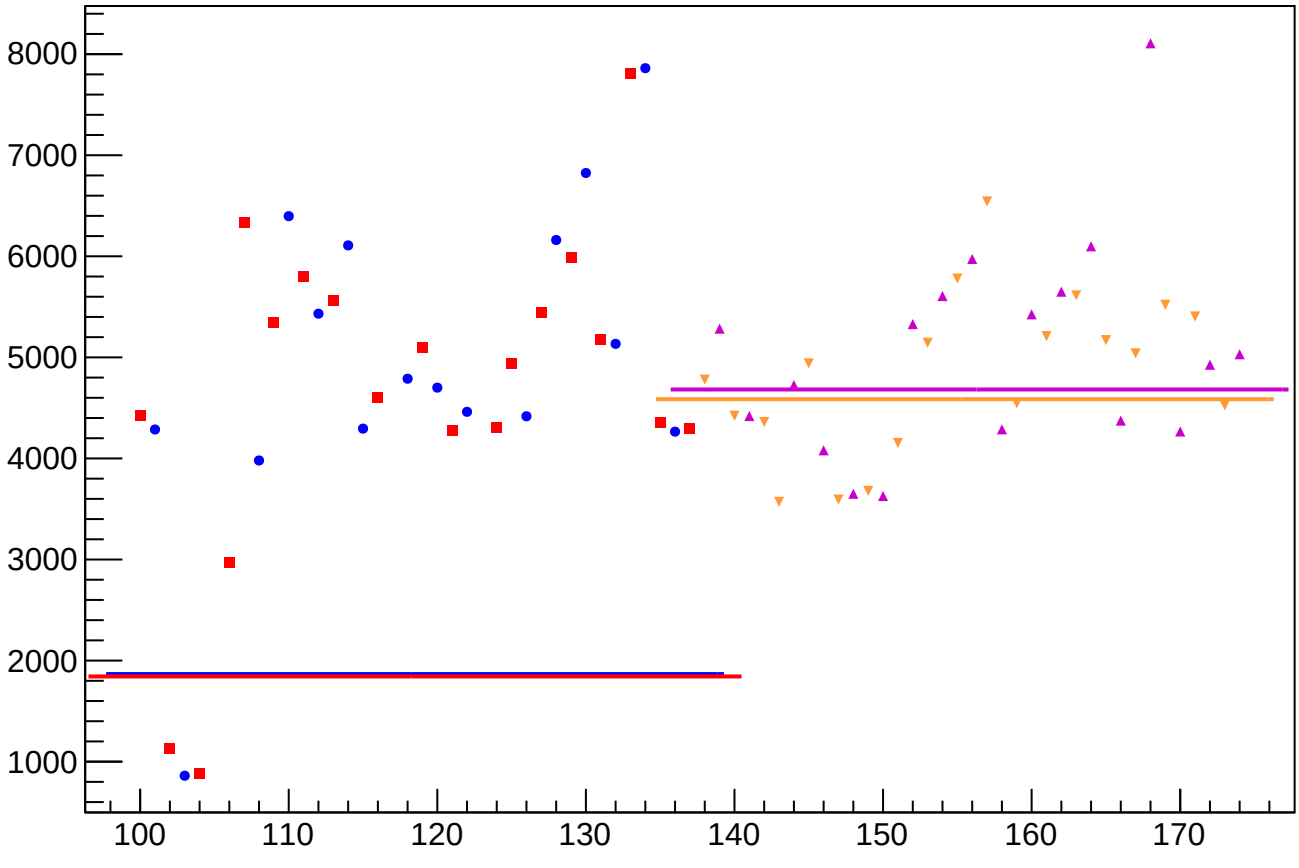
Left: 692.250+/-864.948 χ^2/NDF: 32.6/36

Right: -1093.160+/-675.591 χ^2/NDF: 28.4/34

In: -427.325+/-760.226 χ^2/NDF:27.4/33

Out: -406.364+/-745.909 χ^2/NDF:36.3/37

All: -416.645+/-532.427 χ^2/NDF: 63.7/71



Right In: 1866.251+/-0.681 χ^2/NDF: 6850061.4/15

Left Out: 4586.350+/-0.854 χ^2/NDF:814526.5/18

Right Out: 1842.882+/-0.670 χ^2/NDF: 6458456.4/18

Left In: 4682.156+/-0.876 χ^2/NDF:998880.2/17

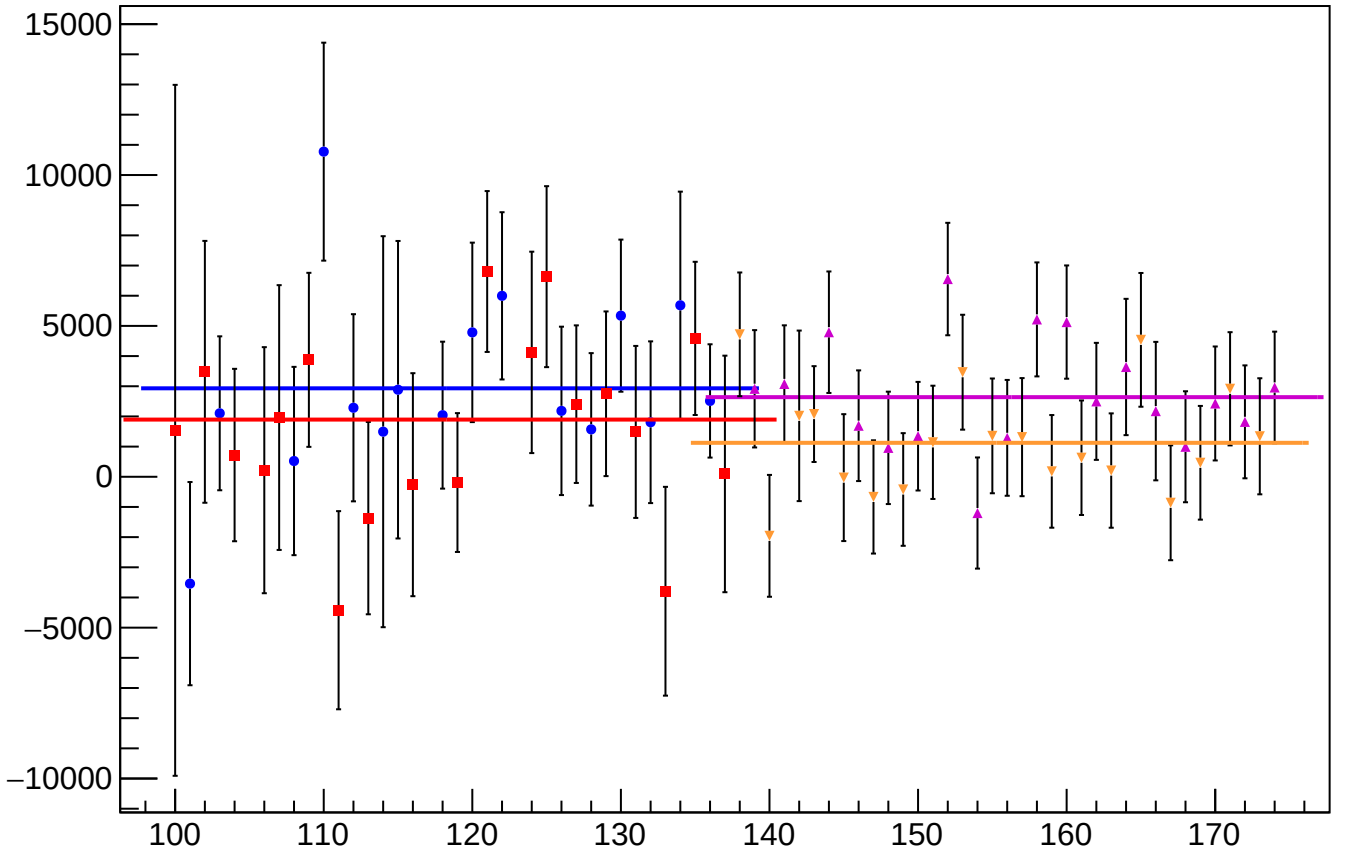
Left: 4633.058+/-0.612 χ^2/NDF: 1819537.3/36

Right: 1854.387+/-0.478 χ^2/NDF: 13309116.0/34

In: 2926.775+/-0.538 χ^2/NDF:14291174.3/33

Out: 2888.476+/-0.527 χ^2/NDF:13654545.5/37

All: 2907.262+/-0.376 χ^2/NDF: 27948306.2/7



Right In: 2931.691+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1125.518+/-444.616 χ^2/NDF:14.4/18

Right Out: 1895.503+/-721.954 χ^2/NDF: 17.4/18

Left In: 2638.739+/-451.986 χ^2/NDF:17.0/17

Left: 1869.690+/-316.965 χ^2/NDF: 37.0/36

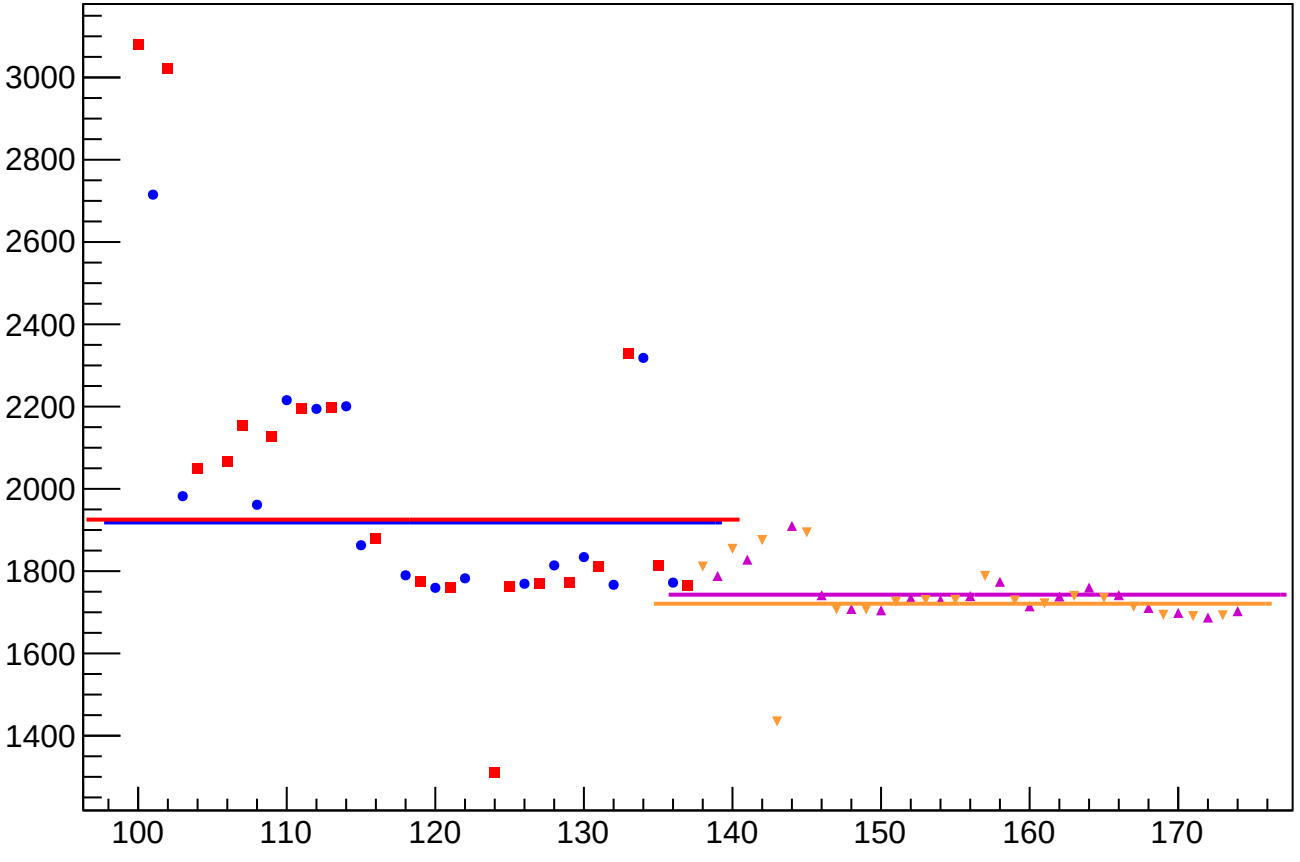
Right: 2416.221+/-509.204 χ^2/NDF: 31.4/34

In: 2721.831+/-382.553 χ^2/NDF:30.1/33

Out: 1337.249+/-378.582 χ^2/NDF:32.6/37

All: 2022.316+/-269.091 χ^2/NDF: 69.3/71

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.853+/-0.314 χ^2/NDF:101599.2/18

Right Out: 1925.260+/-0.510 χ^2/NDF: 339095.4/18

Left In: 1742.804+/-0.320 χ^2/NDF:26026.0/17

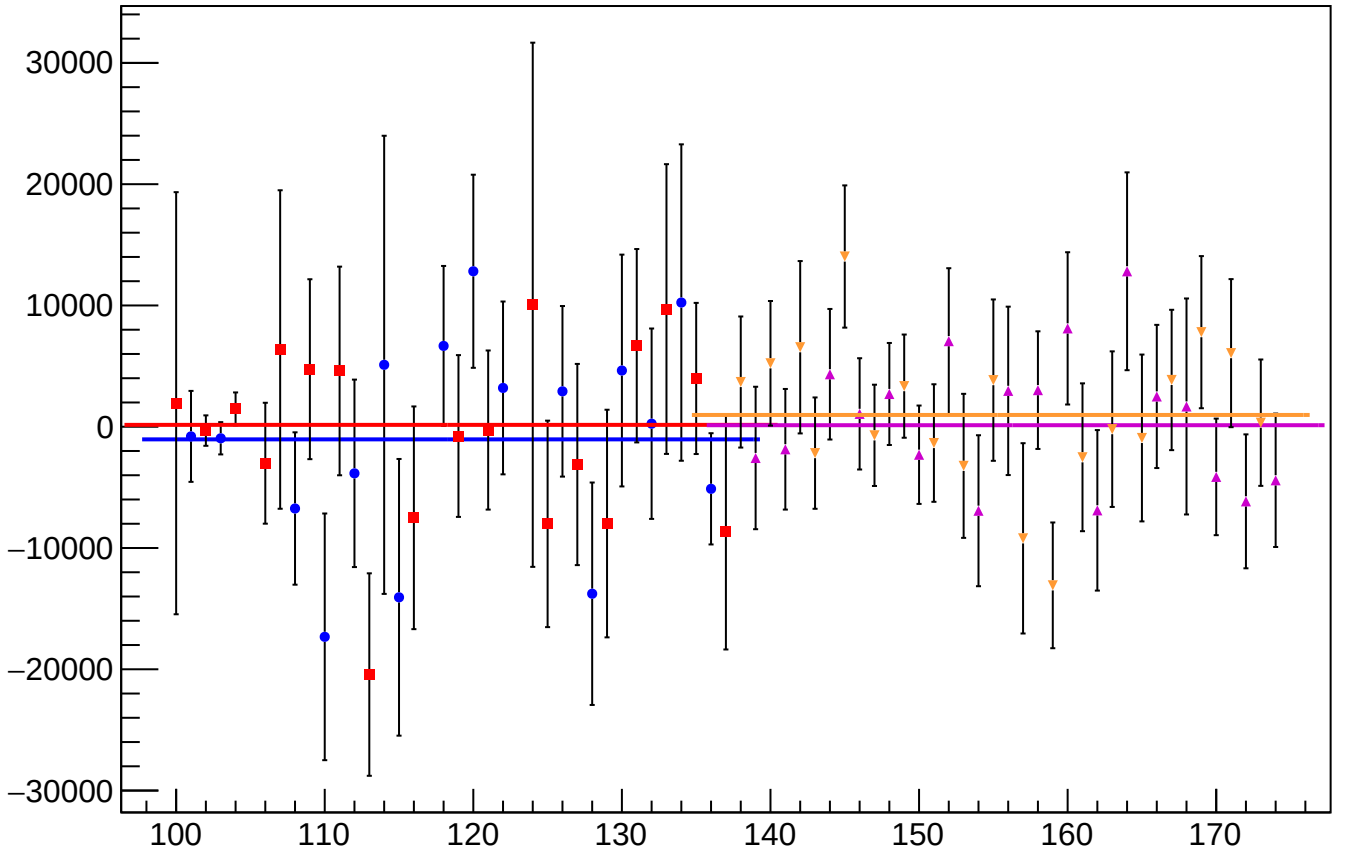
Left: 1731.648+/-0.224 χ^2/NDF: 130022.6/36

Right: 1921.799+/-0.360 χ^2/NDF: 554779.7/34

In: 1792.600+/-0.271 χ^2/NDF:327206.5/33

Out: 1777.128+/-0.268 χ^2/NDF:557072.2/37

All: 1784.782+/-0.190 χ^2/NDF: 885932.1/71



Right In: -1041.908+/-1072.406 χ^2/NDF: 13.8/15

Left Out: 971.508+/-1270.690 χ^2/NDF:20.0/18

Right Out: 153.619+/-835.656 χ^2/NDF: 13.7/18

Left In: 125.992+/-1291.938 χ^2/NDF:13.0/17

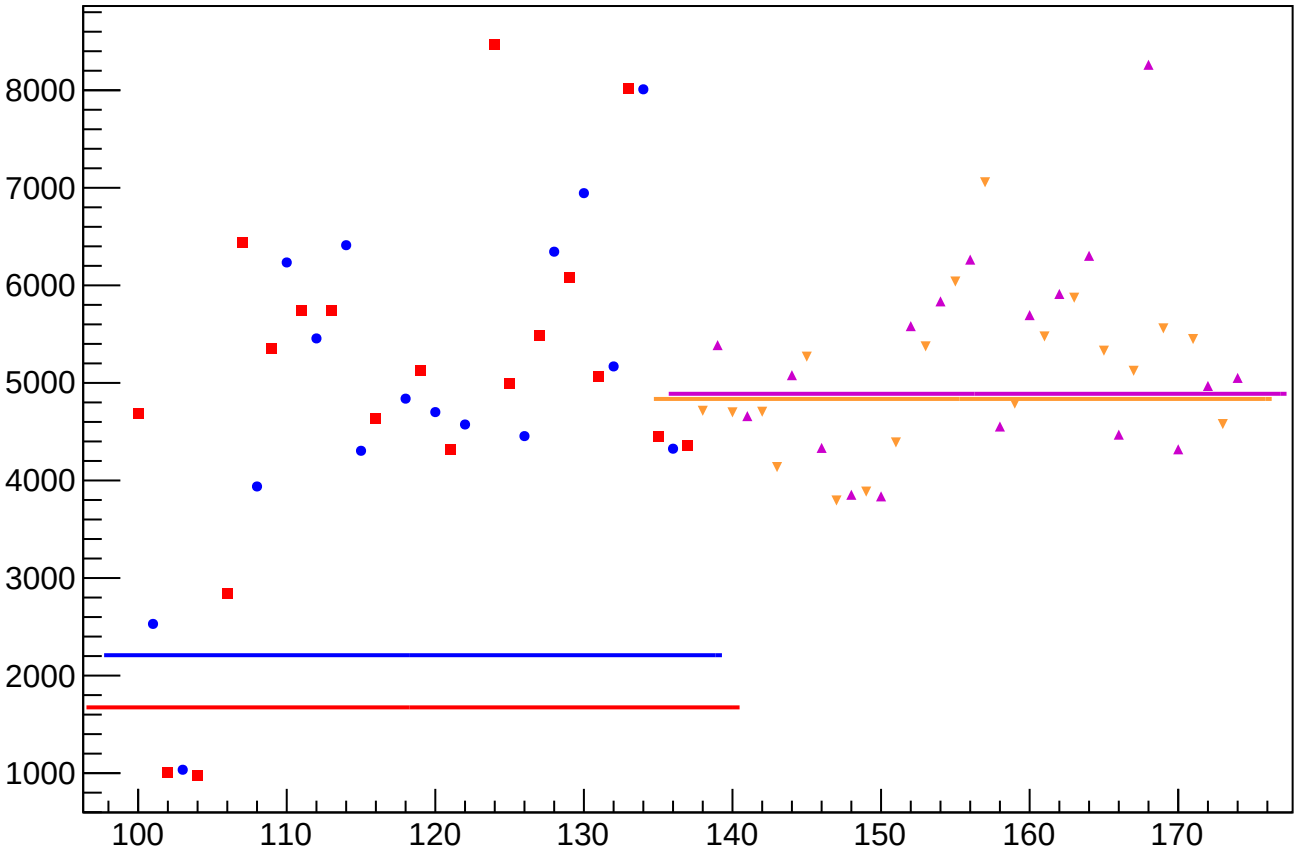
Left: 555.760+/-905.932 χ^2/NDF: 33.2/36

Right: -298.053+/-659.161 χ^2/NDF: 28.3/34

In: -565.472+/-825.166 χ^2/NDF:27.3/33

Out: 400.552+/-698.203 χ^2/NDF:34.0/37

All: -2.503+/-533.003 χ^2/NDF: 62.1/71



Right In: 2208.912+/-0.758 χ^2/NDF: 5499011.4/15

Left Out: 4835.756+/-0.899 χ^2/NDF:684934.4/18

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853212.9/18

Left In: 4888.523+/-0.914 χ^2/NDF:934981.8/17

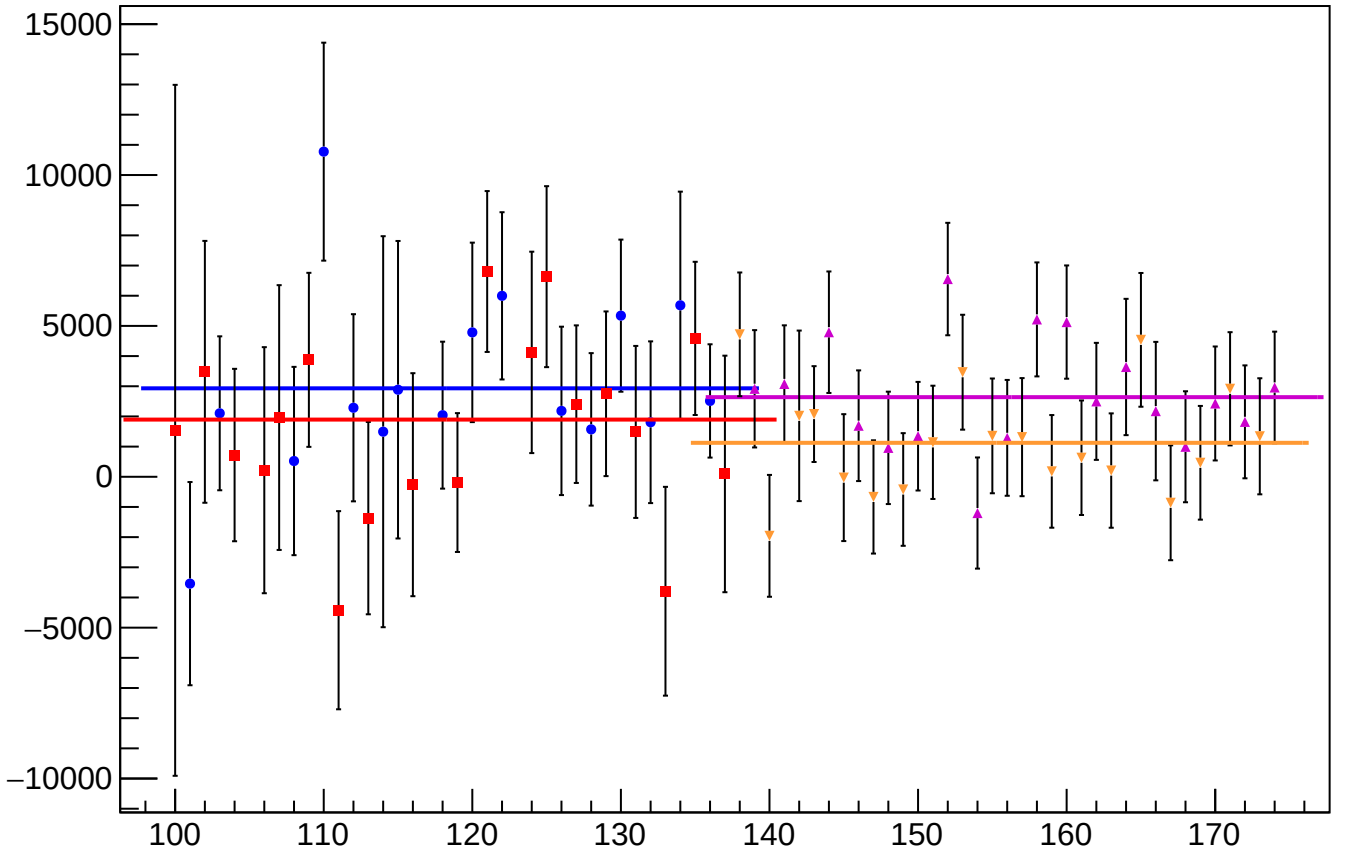
Left: 4861.702+/-0.641 χ^2/NDF: 1621612.0/36

Right: 1876.192+/-0.466 χ^2/NDF: 12661639.3/34

In: 3302.039+/-0.583 χ^2/NDF:11527933.7/33

Out: 2628.693+/-0.494 χ^2/NDF:16181290.8/37

All: 2909.634+/-0.377 χ^2/NDF: 28485328.7/7



Right In: 2931.693+/-718.305 χ^2/NDF: 13.0/15

Left Out: 1125.512+/-444.616 χ^2/NDF:14.4/18

Right Out: 1895.508+/-721.953 χ^2/NDF: 17.4/18

Left In: 2638.742+/-451.987 χ^2/NDF:17.0/17

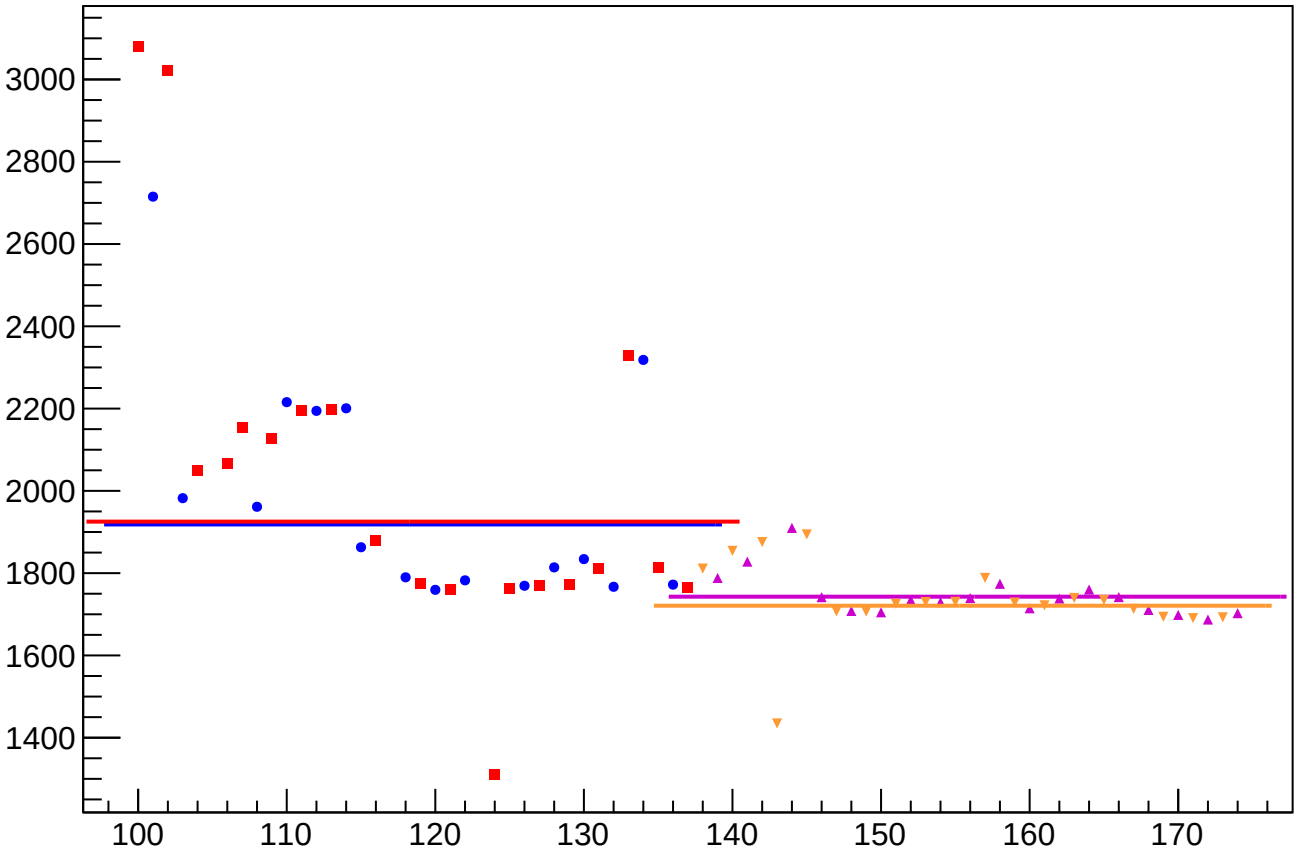
Left: 1869.688+/-316.965 χ^2/NDF: 37.0/36

Right: 2416.225+/-509.203 χ^2/NDF: 31.4/34

In: 2721.834+/-382.553 χ^2/NDF:30.1/33

Out: 1337.246+/-378.582 χ^2/NDF:32.6/37

All: 2022.316+/-269.091 χ^2/NDF: 69.3/71



Right In: 1918.367+/-0.508 χ^2/NDF: 215592.7/15

Left Out: 1720.854+/-0.314 χ^2/NDF:101598.5/18

Right Out: 1925.259+/-0.510 χ^2/NDF: 339094.4/18

Left In: 1742.805+/-0.320 χ^2/NDF:26026.0/17

Left: 1731.649+/-0.224 χ^2/NDF: 130021.9/36

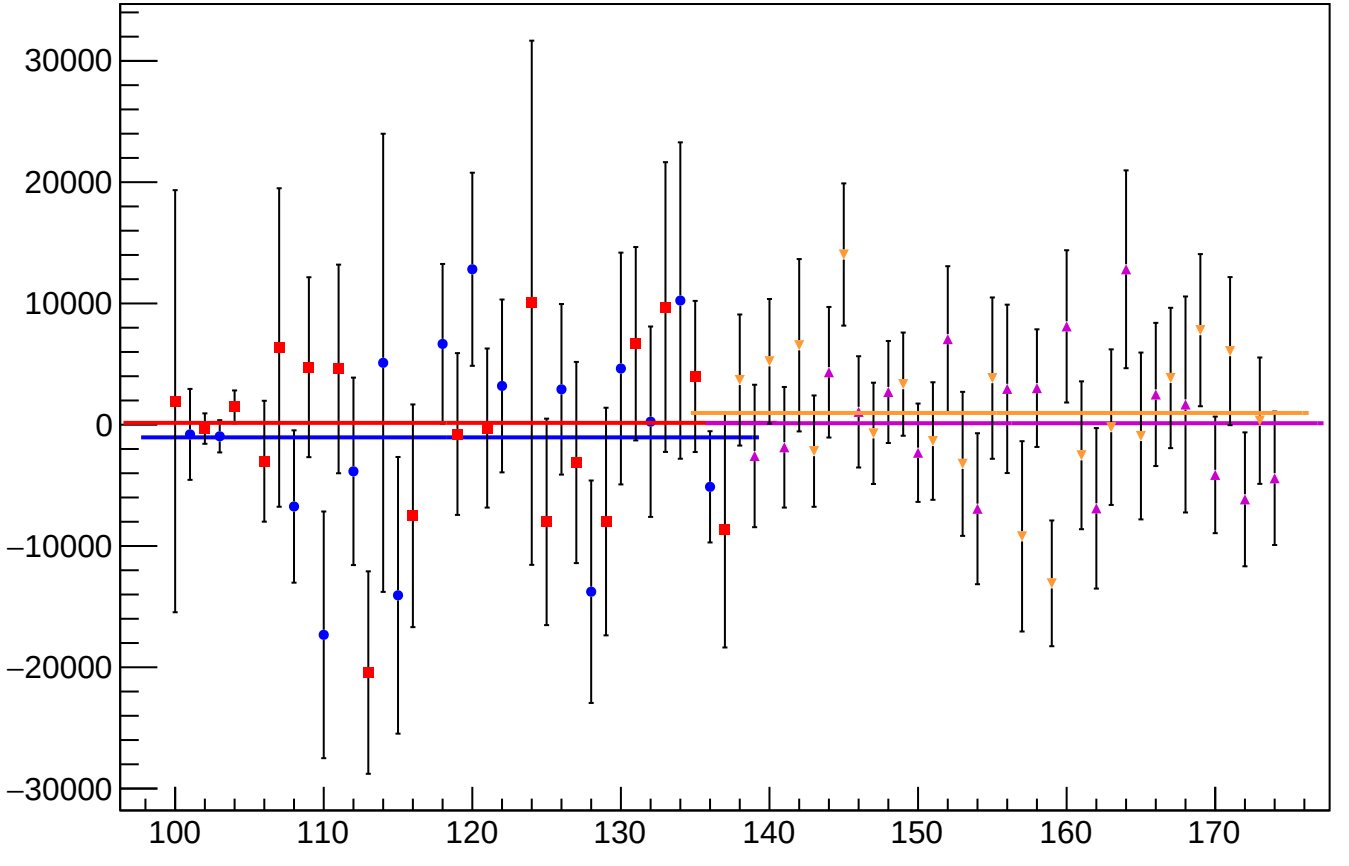
Right: 1921.798+/-0.360 χ^2/NDF: 554778.8/34

In: 1792.601+/-0.271 χ^2/NDF:327205.1/33

Out: 1777.128+/-0.268 χ^2/NDF:557068.7/37

All: 1784.782+/-0.190 χ^2/NDF: 885927.1/71

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1041.906+/-1072.405 χ^2/NDF: 13.8/15

Left Out: 971.506+/-1270.692 χ^2/NDF:20.0/18

Right Out: 153.614+/-835.655 χ^2/NDF: 13.7/18

Left In: 125.990+/-1291.940 χ^2/NDF:13.0/17

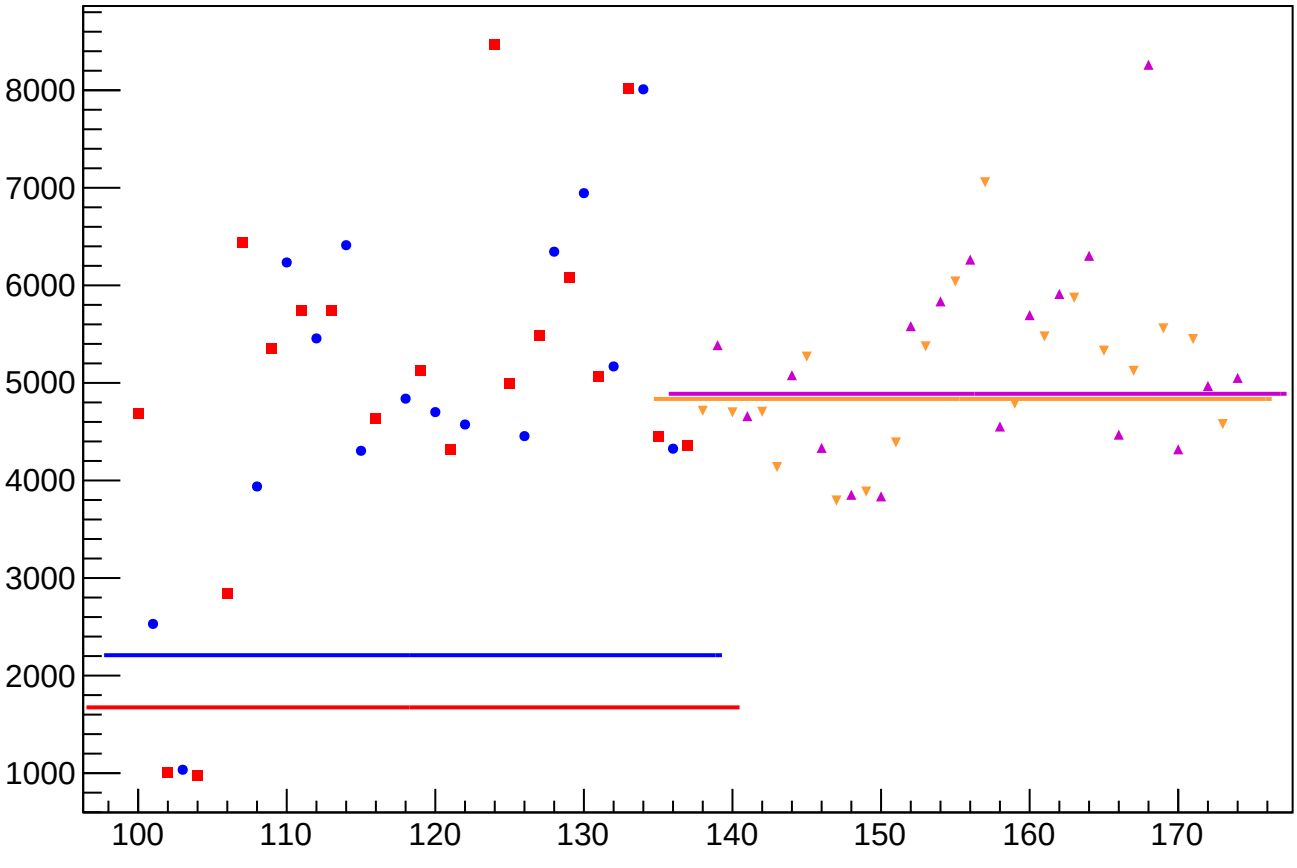
Left: 555.758+/-905.934 χ^2/NDF: 33.2/36

Right: -298.056+/-659.161 χ^2/NDF: 28.3/34

In: -565.473+/-825.166 χ^2/NDF:27.3/33

Out: 400.547+/-698.203 χ^2/NDF:34.0/37

All: -2.507+/-533.003 χ^2/NDF: 62.1/71



Right In: 2208.911+/-0.758 χ^2/NDF: 5499004.2/15

Left Out: 4835.764+/-0.899 χ^2/NDF:684933.7/18

Right Out: 1674.162+/-0.591 χ^2/NDF: 6853204.8/18

Left In: 4888.531+/-0.914 χ^2/NDF:934982.3/17

Left: 4861.710+/-0.641 χ^2/NDF: 1621611.8/36

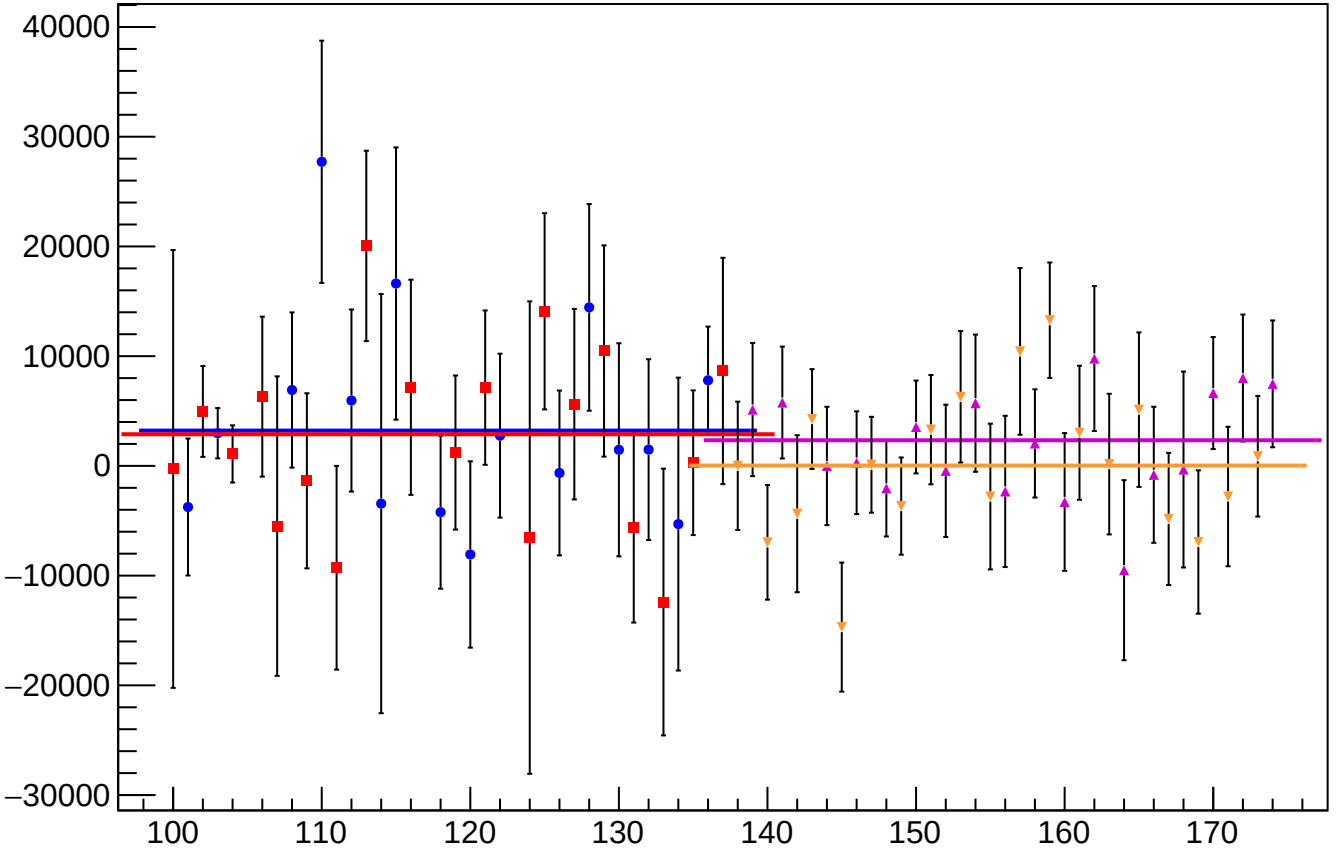
Right: 1876.191+/-0.466 χ^2/NDF: 12661624.0/34

In: 3302.039+/-0.583 χ^2/NDF:11527952.3/33

Out: 2628.692+/-0.494 χ^2/NDF:16181310.5/37

All: 2909.634+/-0.377 χ^2/NDF: 28485367.6/7

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3215.695+/-1539.262 χ^2/NDF: 13.8/15

Left Out: 29.459+/-1301.494 χ^2/NDF:22.7/18

Right Out: 2883.411+/-1552.120 χ^2/NDF: 13.4/18

Left In: 2335.035+/-1326.304 χ^2/NDF:10.1/17

Left: 1160.481+/-928.943 χ^2/NDF: 34.3/36

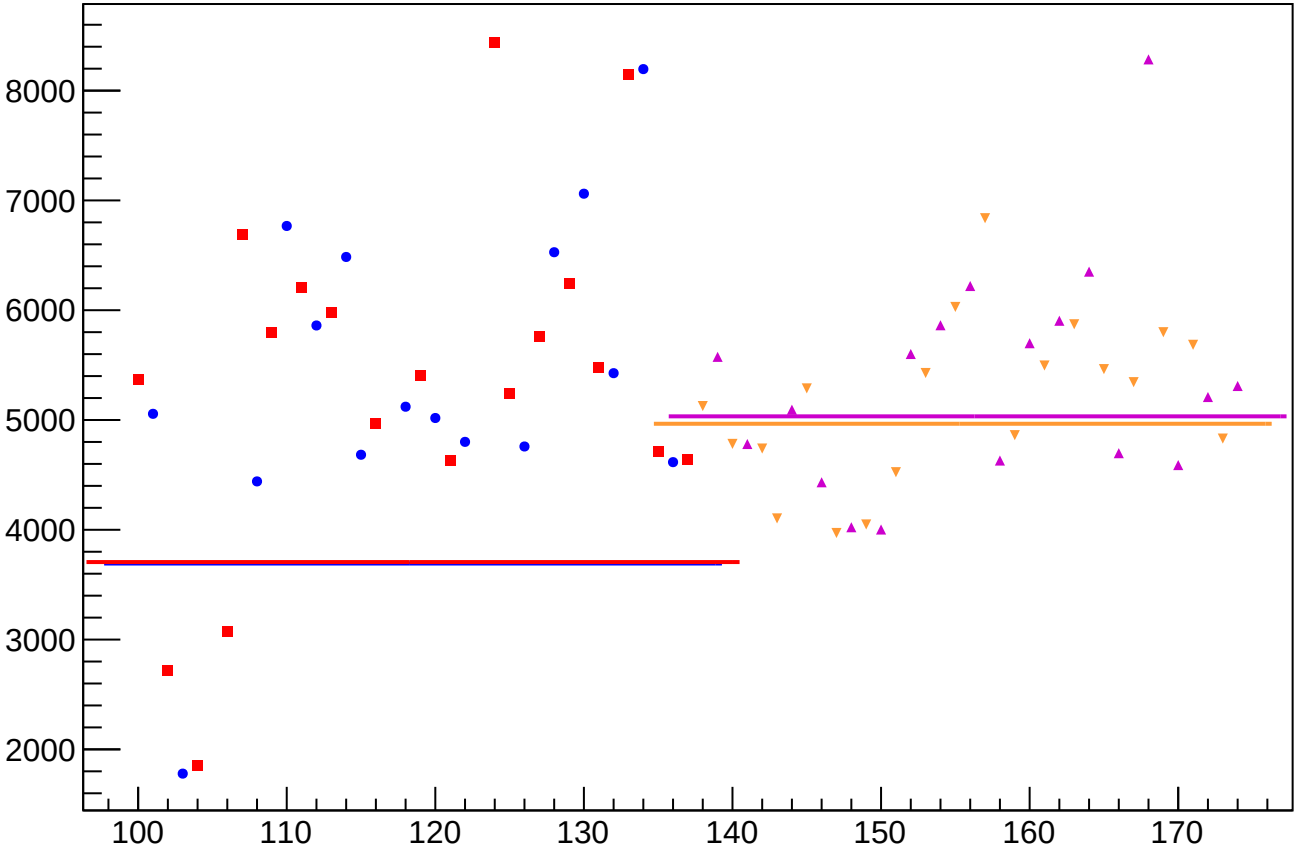
Right: 3050.935+/-1092.940 χ^2/NDF: 27.2/34

In: 2710.277+/-1004.764 χ^2/NDF:24.1/33

Out: 1207.698+/-997.284 χ^2/NDF:38.1/37

All: 1953.373+/-707.816 χ^2/NDF: 63.2/71

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3692.815+/-1.088 χ^2/NDF: 2885658.0/15

Left Out: 4965.649+/-0.920 χ^2/NDF:606630.0/18

Right Out: 3706.081+/-1.087 χ^2/NDF: 2684528.0/18

Left In: 5033.288+/-0.938 χ^2/NDF:805702.3/17

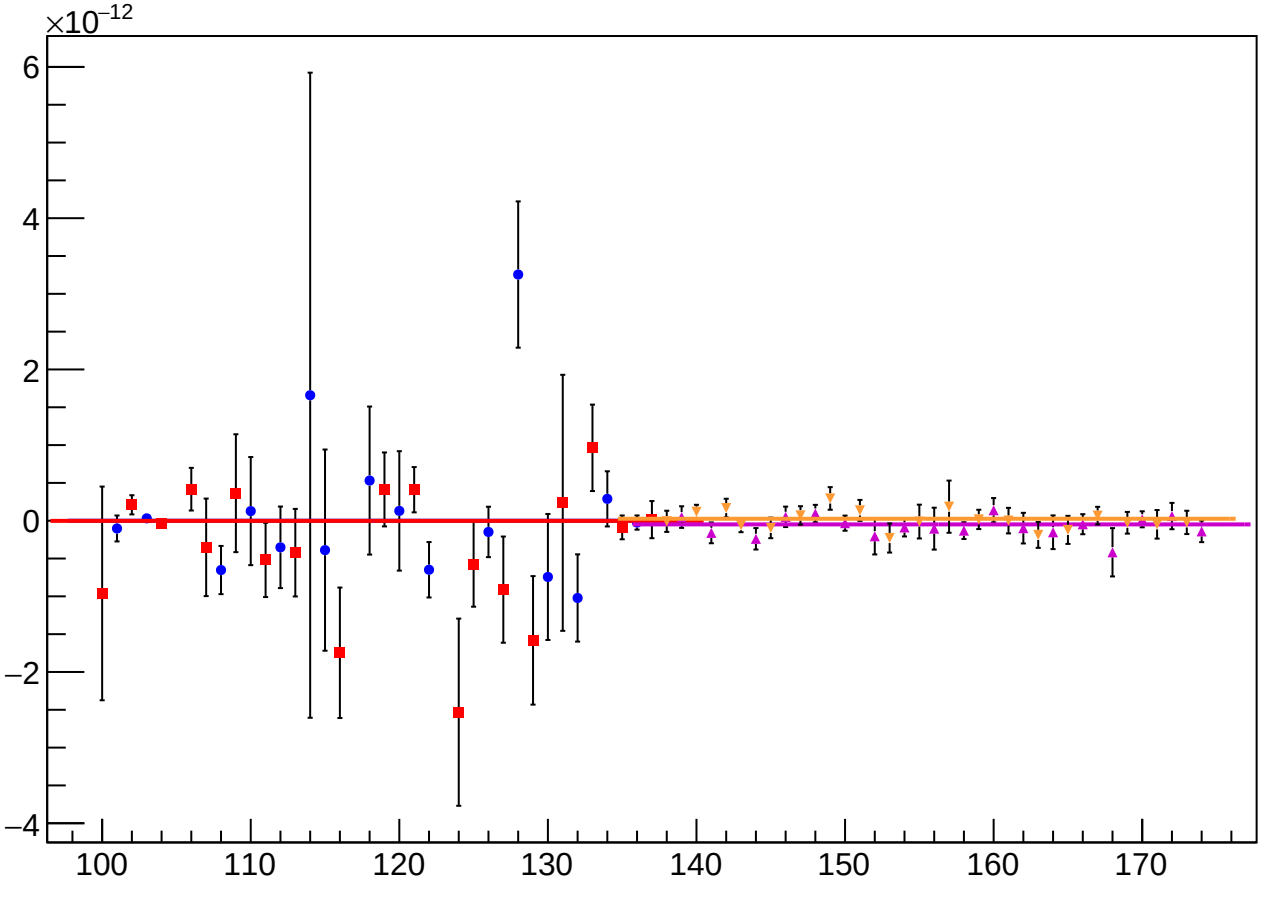
Left: 4998.830+/-0.657 χ^2/NDF: 1414982.2/36

Right: 3699.460+/-0.769 χ^2/NDF: 5570260.4/34

In: 4462.123+/-0.710 χ^2/NDF:4561849.5/33

Out: 4439.507+/-0.702 χ^2/NDF:4073633.6/37

All: 4450.683+/-0.499 χ^2/NDF: 8635995.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:12.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.3/17

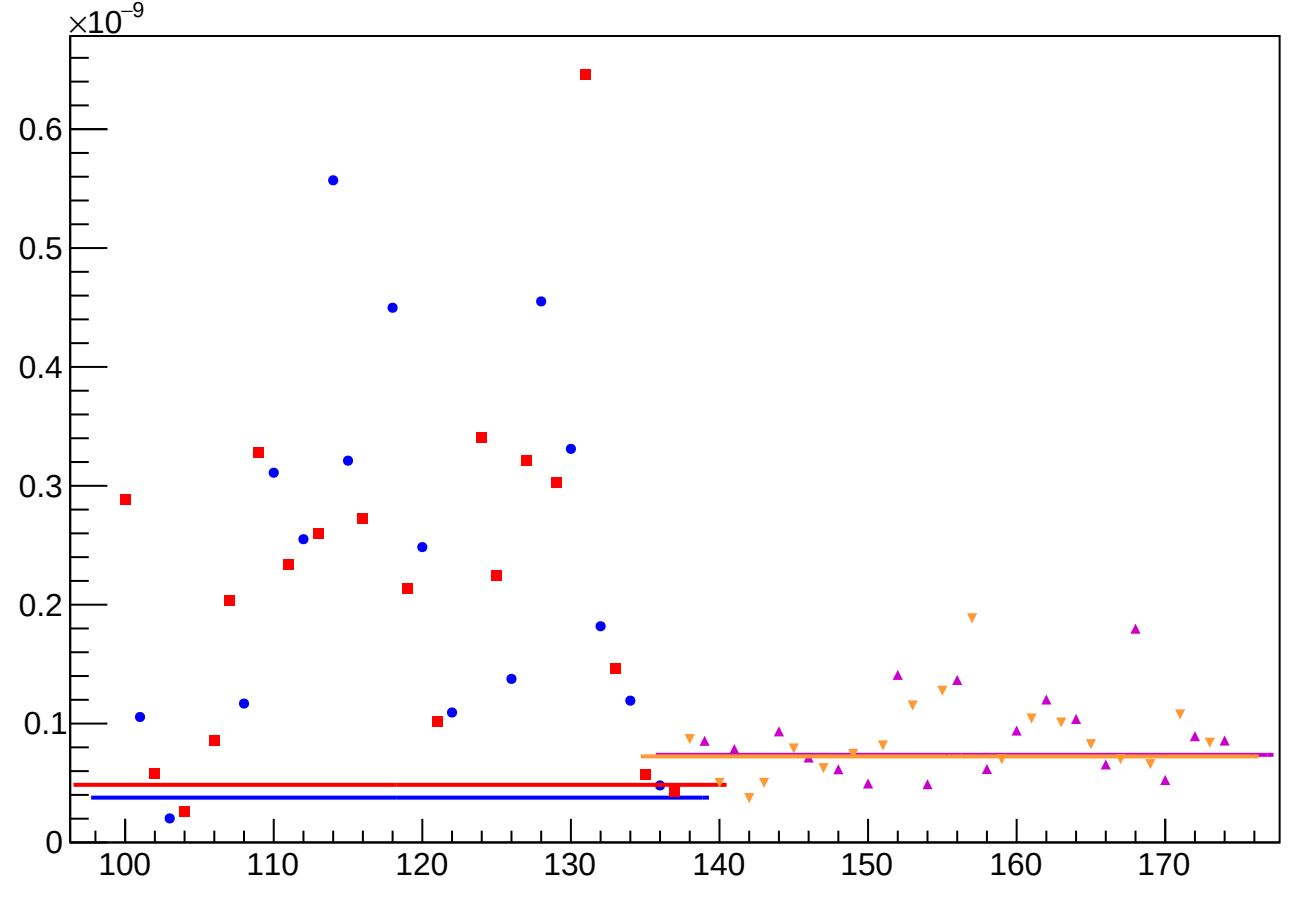
Left: -0.000+/-0.000 χ^2/NDF: 25.6/36

Right: -0.000+/-0.000 χ^2/NDF: 53.6/34

In: -0.000+/-0.000 χ^2/NDF:36.7/33

Out: 0.000+/-0.000 χ^2/NDF:41.2/37

All: -0.000+/-0.000 χ^2/NDF: 79.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 3140697.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1107860.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2895431.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1075058.0/17

Left: 0.000+/-0.000 χ^2/NDF: 2184521.9/36

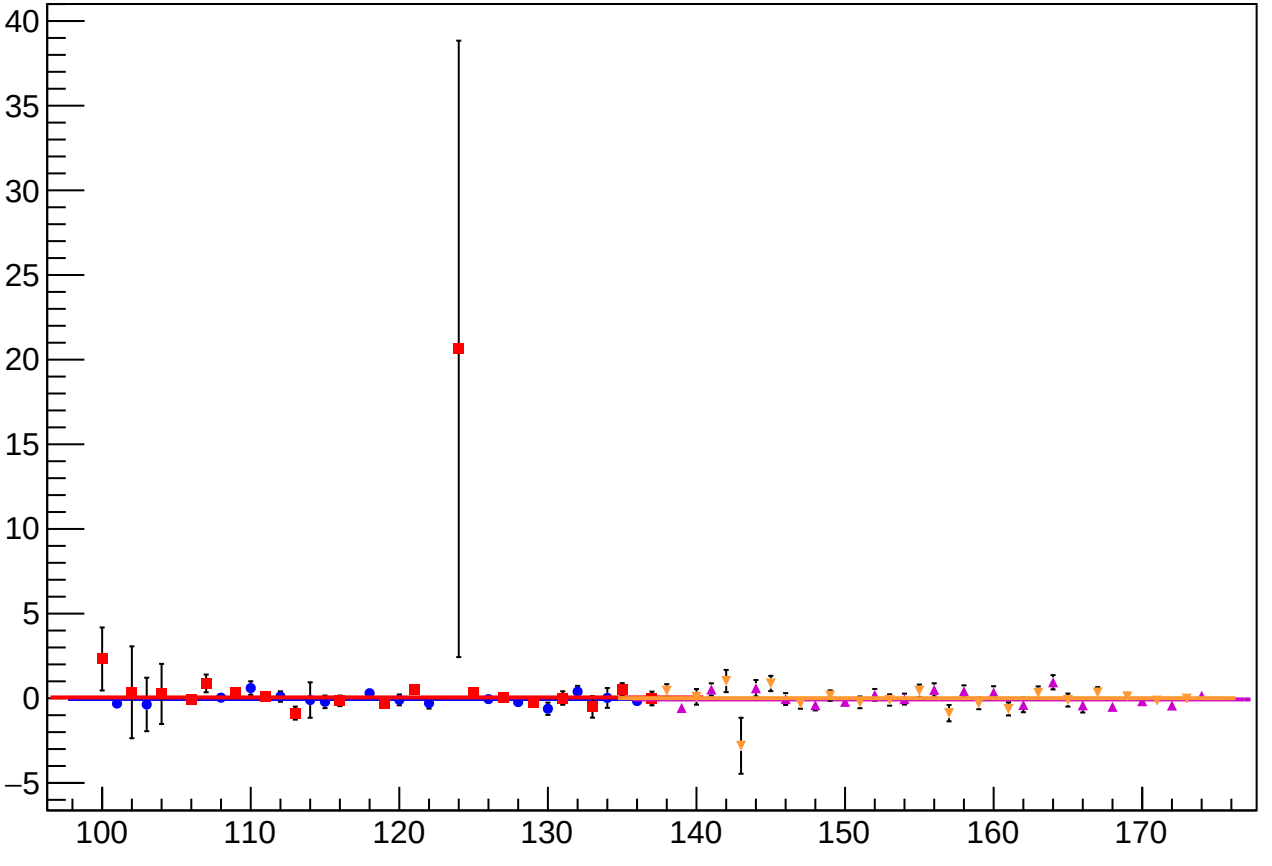
Right: 0.000+/-0.000 χ^2/NDF: 6105820.7/34

In: 0.000+/-0.000 χ^2/NDF:5273152.6/33

Out: 0.000+/-0.000 χ^2/NDF:4379362.4/37

All: 0.000+/-0.000 χ^2/NDF: 9733535.7/71

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

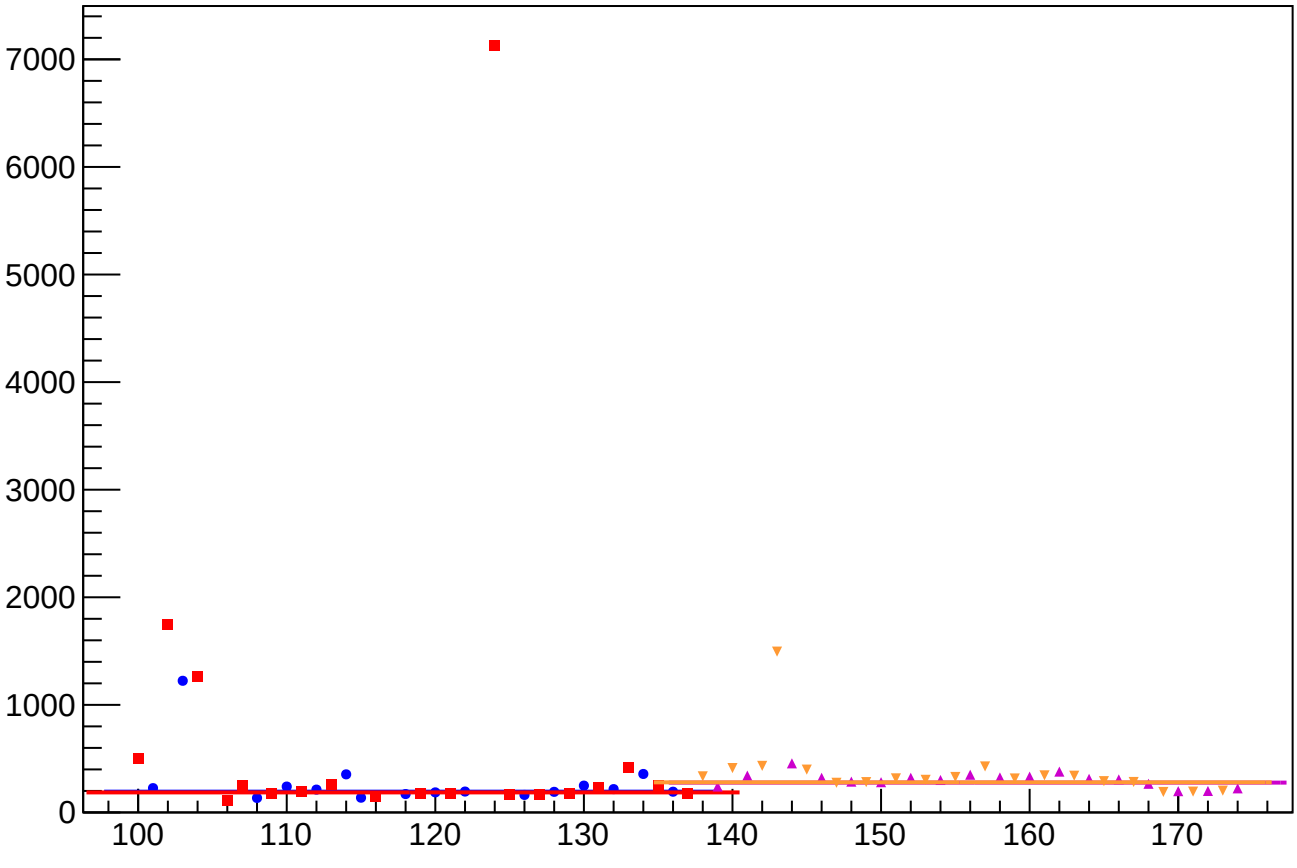
Left: -0.033+/-0.054 χ^2/NDF: 51.4/36

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.016+/-0.039 χ^2/NDF: 87.0/71



Right In: 193.248+/-0.055 χ^2/NDF: 1408397.0/15

Left Out: 279.966+/-0.055 χ^2/NDF:2791735.3/18

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

Left: 278.631+/-0.038 χ^2/NDF: 4116357.7/36

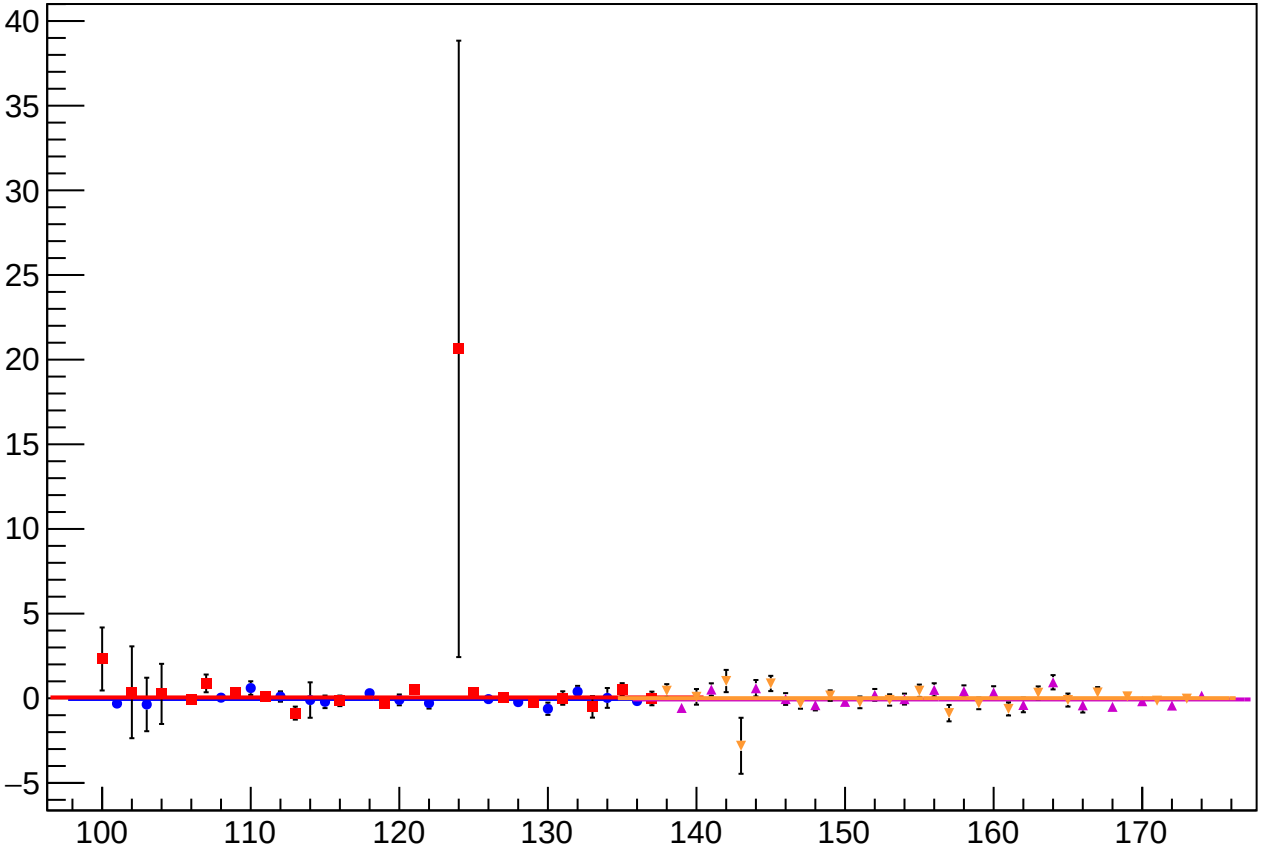
Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.860+/-0.038 χ^2/NDF:3945484.2/33

Out: 234.196+/-0.039 χ^2/NDF:6712533.7/37

All: 235.556+/-0.027 χ^2/NDF: 10660405.3/71

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

Left: -0.033+/-0.054 χ^2/NDF: 51.4/36

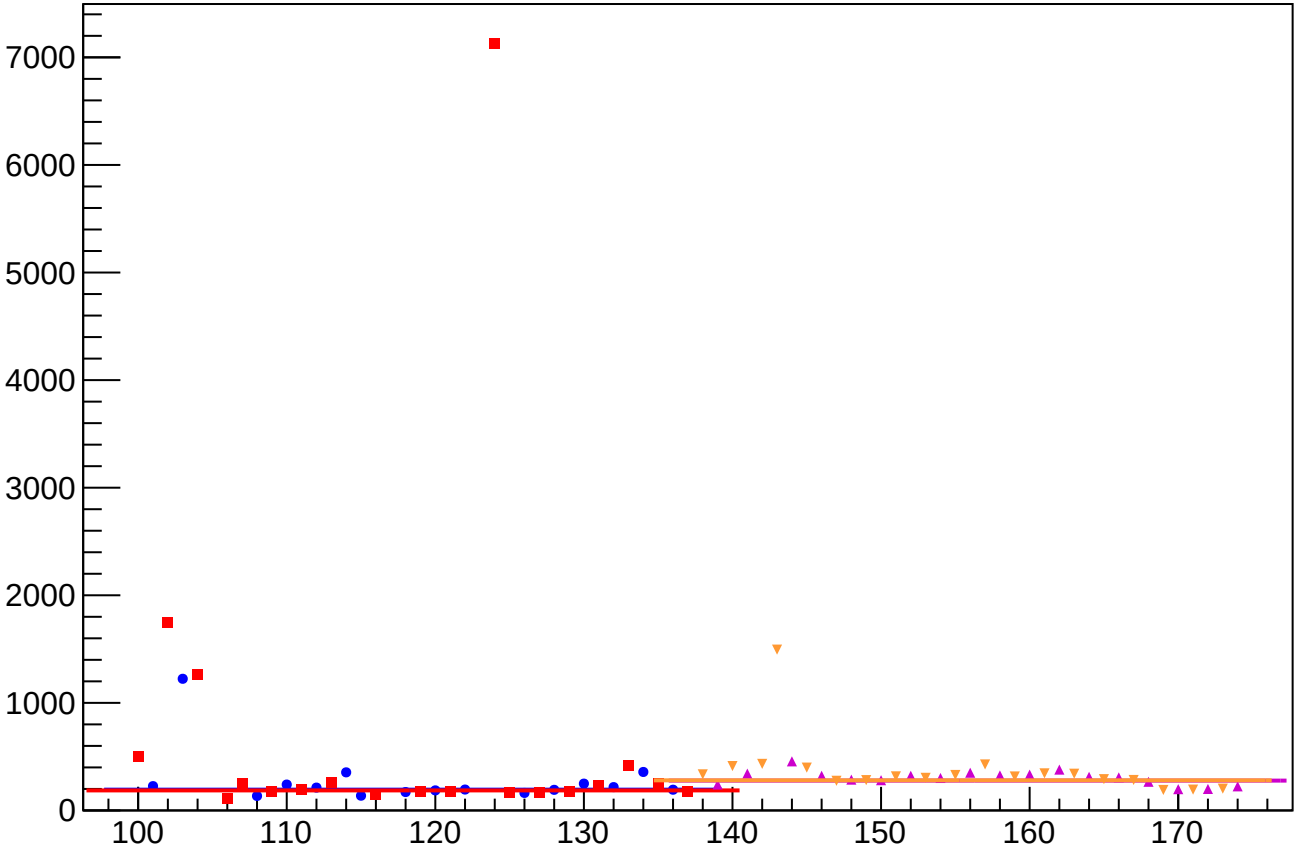
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.016+/-0.039 χ^2/NDF: 87.0/71

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: 279.966+/-0.055 χ^2/NDF:2791735.3/18

Right Out: 186.379+/-0.056 χ^2/NDF: 2479083.9/18

Left In: 277.369+/-0.053 χ^2/NDF:1323455.3/17

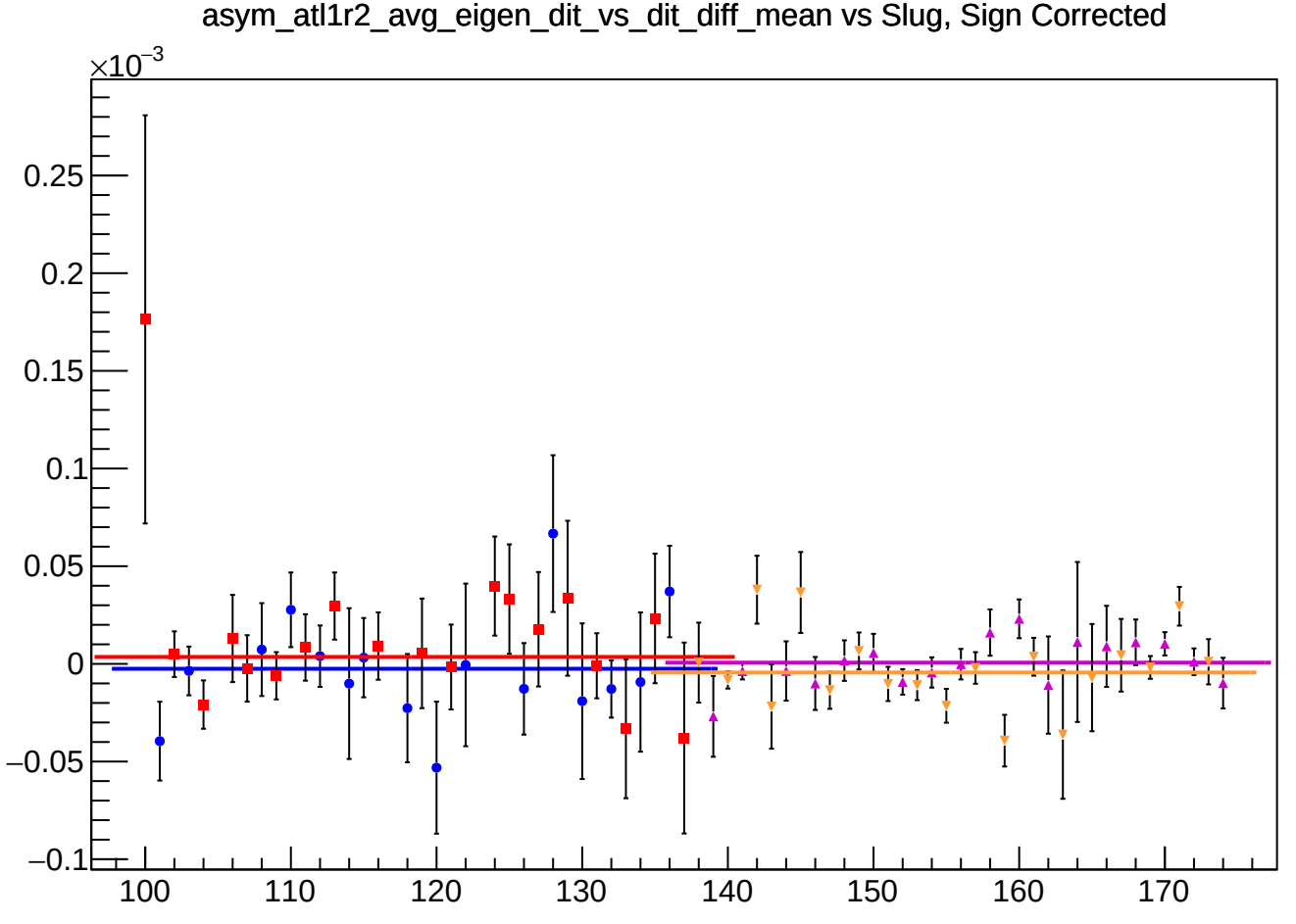
Left: 278.631+/-0.038 χ^2/NDF: 4116357.7/36

Right: 189.859+/-0.039 χ^2/NDF: 3895183.9/34

In: 236.860+/-0.038 χ^2/NDF:3945484.2/33

Out: 234.196+/-0.039 χ^2/NDF:6712533.7/37

All: 235.556+/-0.027 χ^2/NDF: 10660405.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/17

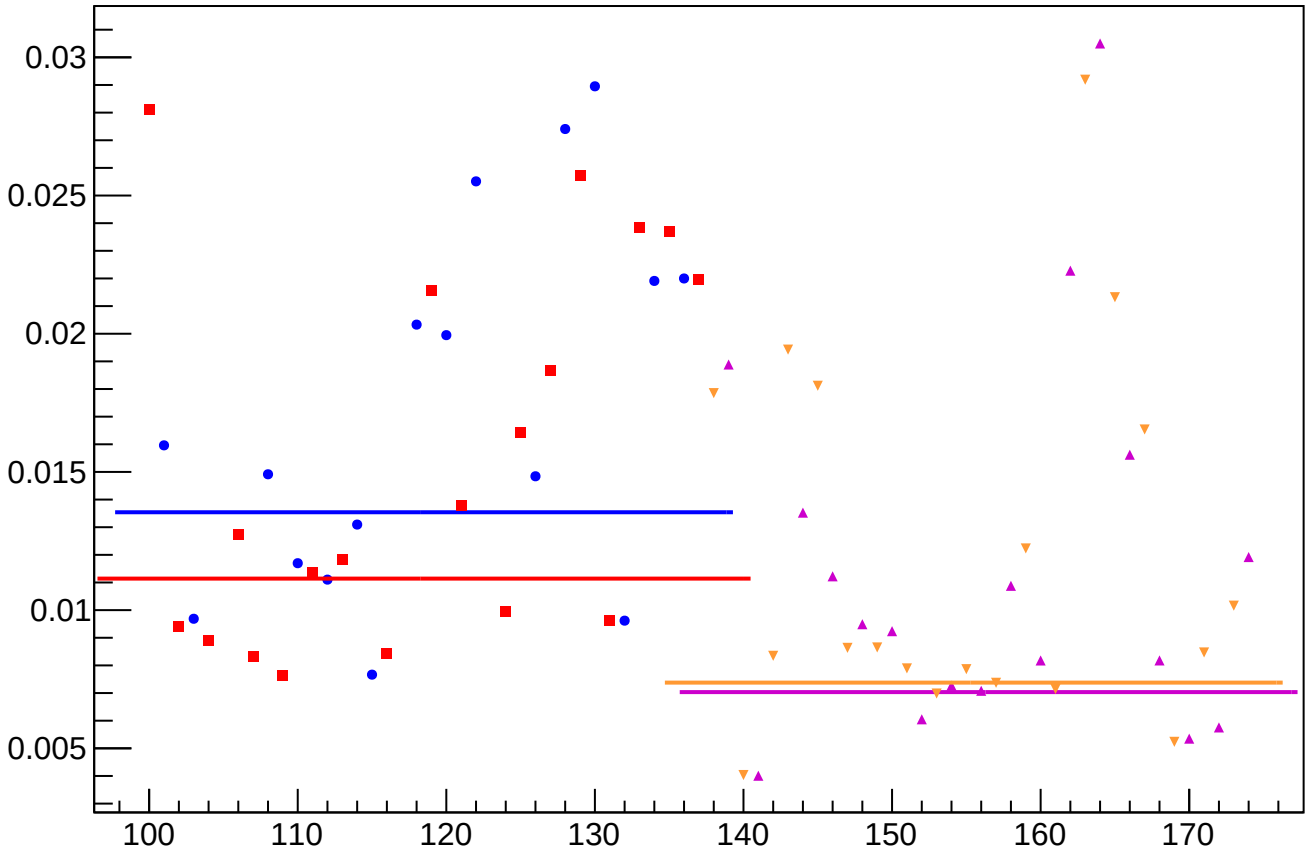
Left: -0.000+/-0.000 χ^2/NDF: 60.2/36

Right: 0.000+/-0.000 χ^2/NDF: 32.9/34

In: 0.000+/-0.000 χ^2/NDF:33.9/33

Out: -0.000+/-0.000 χ^2/NDF:58.5/37

All: -0.000+/-0.000 χ^2/NDF: 93.7/71



Right In: 0.014+/-0.000 χ^2/NDF: 1877615.1/15

Left Out: 0.007+/-0.000 χ^2/NDF:5500376.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 1887740.8/18

Left In: 0.007+/-0.000 χ^2/NDF:5001205.0/17

Left: 0.007+/-0.000 χ^2/NDF: 10527468.8/36

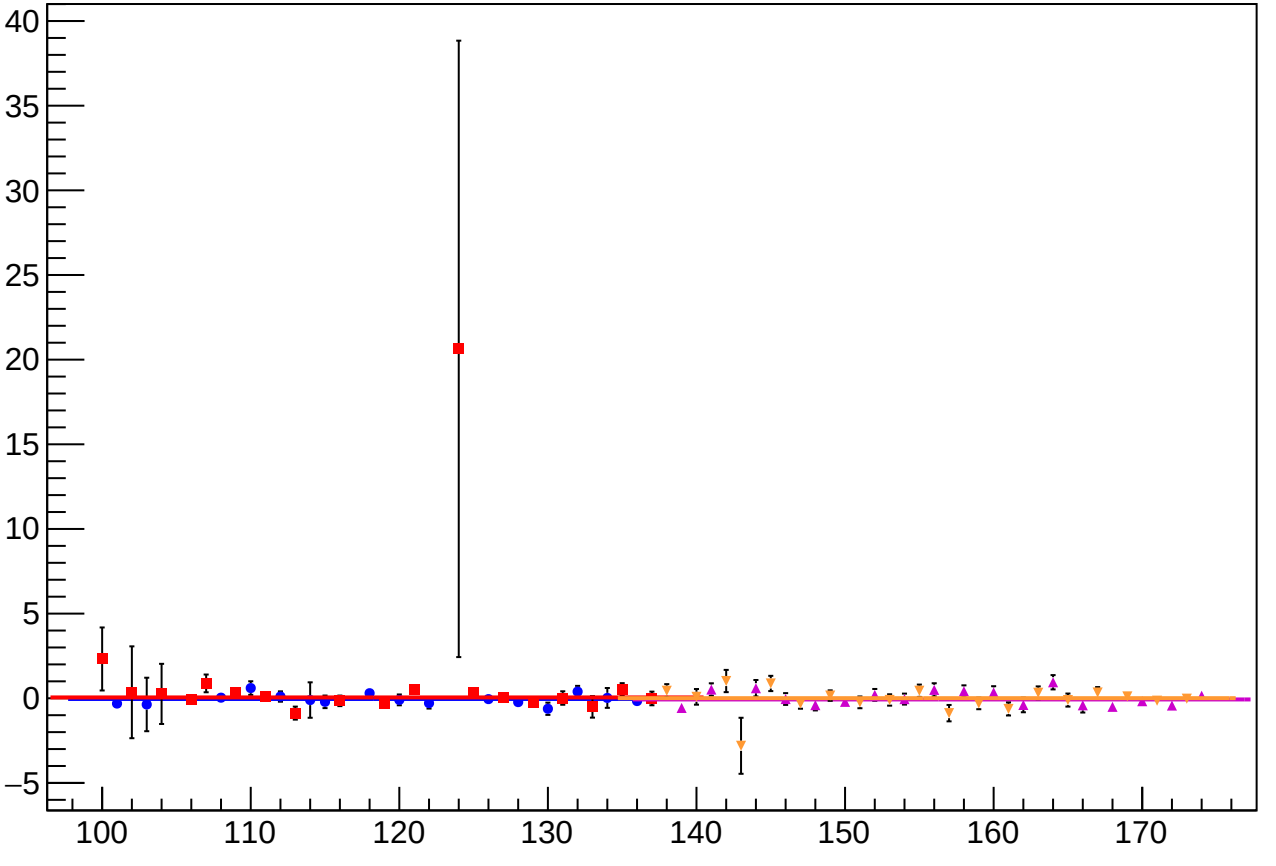
Right: 0.012+/-0.000 χ^2/NDF: 3997435.7/34

In: 0.008+/-0.000 χ^2/NDF:9360900.7/33

Out: 0.008+/-0.000 χ^2/NDF:8536772.5/37

All: 0.008+/-0.000 χ^2/NDF: 17911489.3/71

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

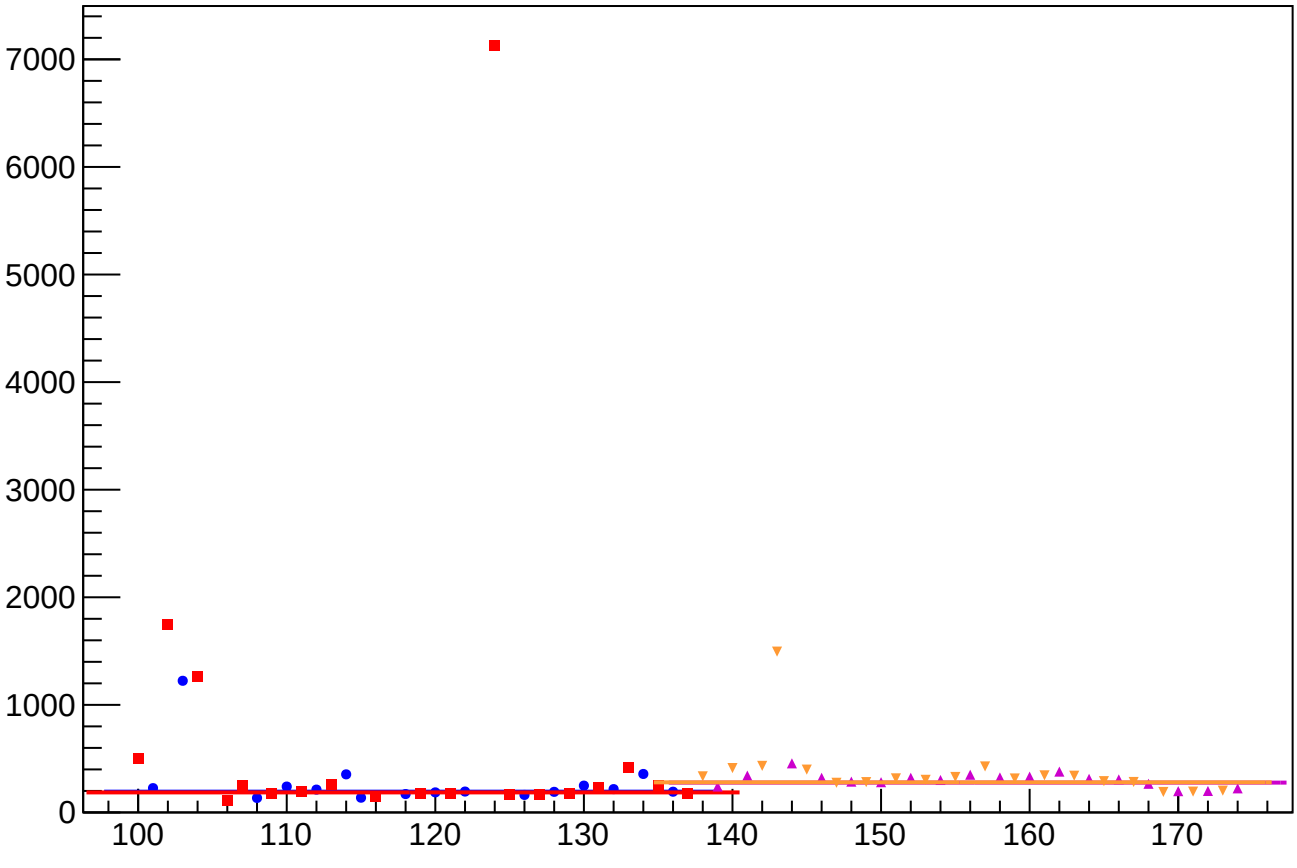
Left: -0.033+/-0.054 χ^2/NDF: 51.4/36

Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.016+/-0.039 χ^2/NDF: 87.0/71



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 279.969+/-0.055 χ^2/NDF:2791808.4/18

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

Left: 278.634+/-0.038 χ^2/NDF: 4116481.3/36

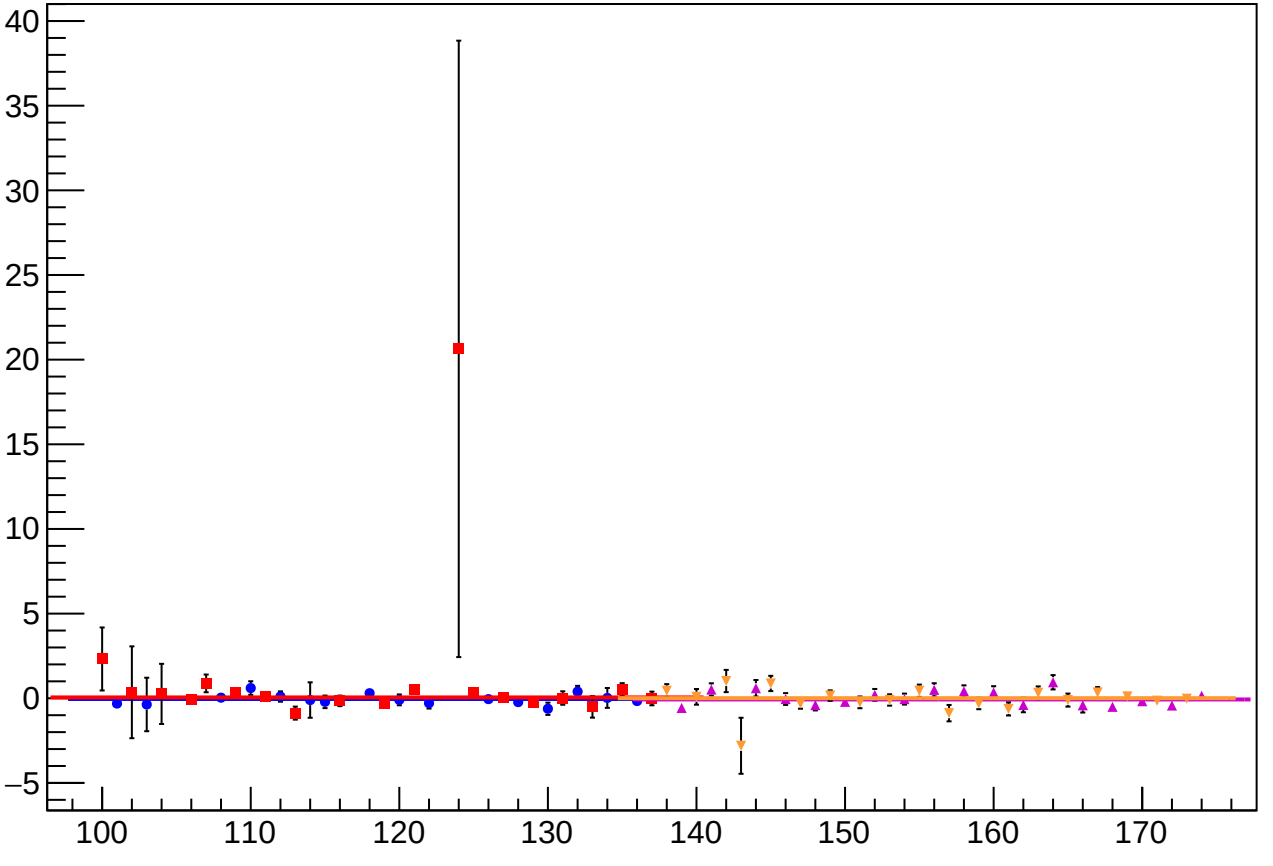
Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.860+/-0.038 χ^2/NDF:3945650.5/33

Out: 234.195+/-0.039 χ^2/NDF:6712777.9/37

All: 235.555+/-0.027 χ^2/NDF: 10660817.3/71

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.041+/-0.078 χ^2/NDF: 11.7/15

Left Out: 0.005+/-0.077 χ^2/NDF:23.1/18

Right Out: 0.049+/-0.079 χ^2/NDF: 23.0/18

Left In: -0.070+/-0.075 χ^2/NDF:27.8/17

Left: -0.033+/-0.054 χ^2/NDF: 51.4/36

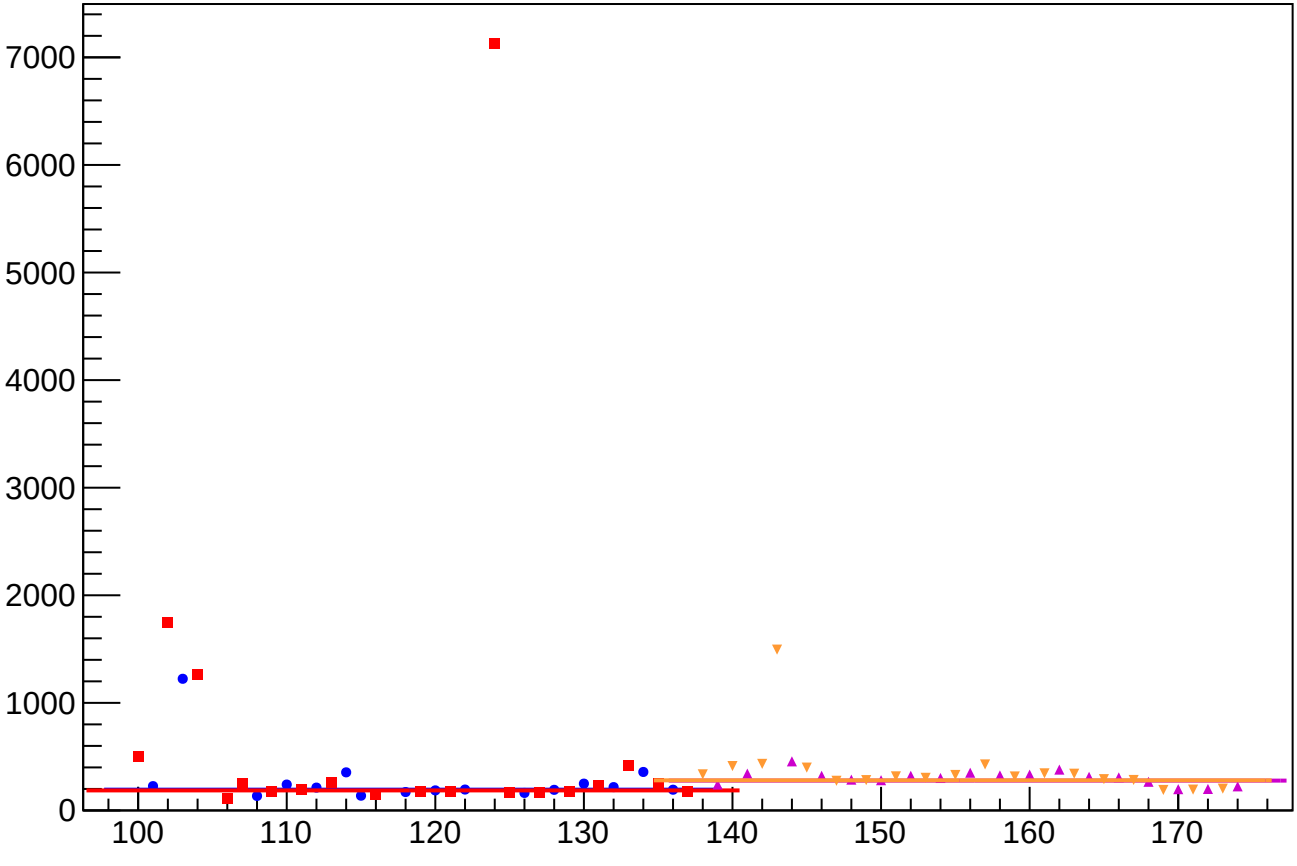
Right: 0.004+/-0.055 χ^2/NDF: 35.4/34

In: -0.056+/-0.054 χ^2/NDF:39.6/33

Out: 0.027+/-0.055 χ^2/NDF:46.3/37

All: -0.016+/-0.039 χ^2/NDF: 87.0/71

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 193.247+/-0.055 χ^2/NDF: 1408390.6/15

Left Out: 279.969+/-0.055 χ^2/NDF:2791808.4/18

Right Out: 186.376+/-0.056 χ^2/NDF: 2479113.1/18

Left In: 277.372+/-0.053 χ^2/NDF:1323506.3/17

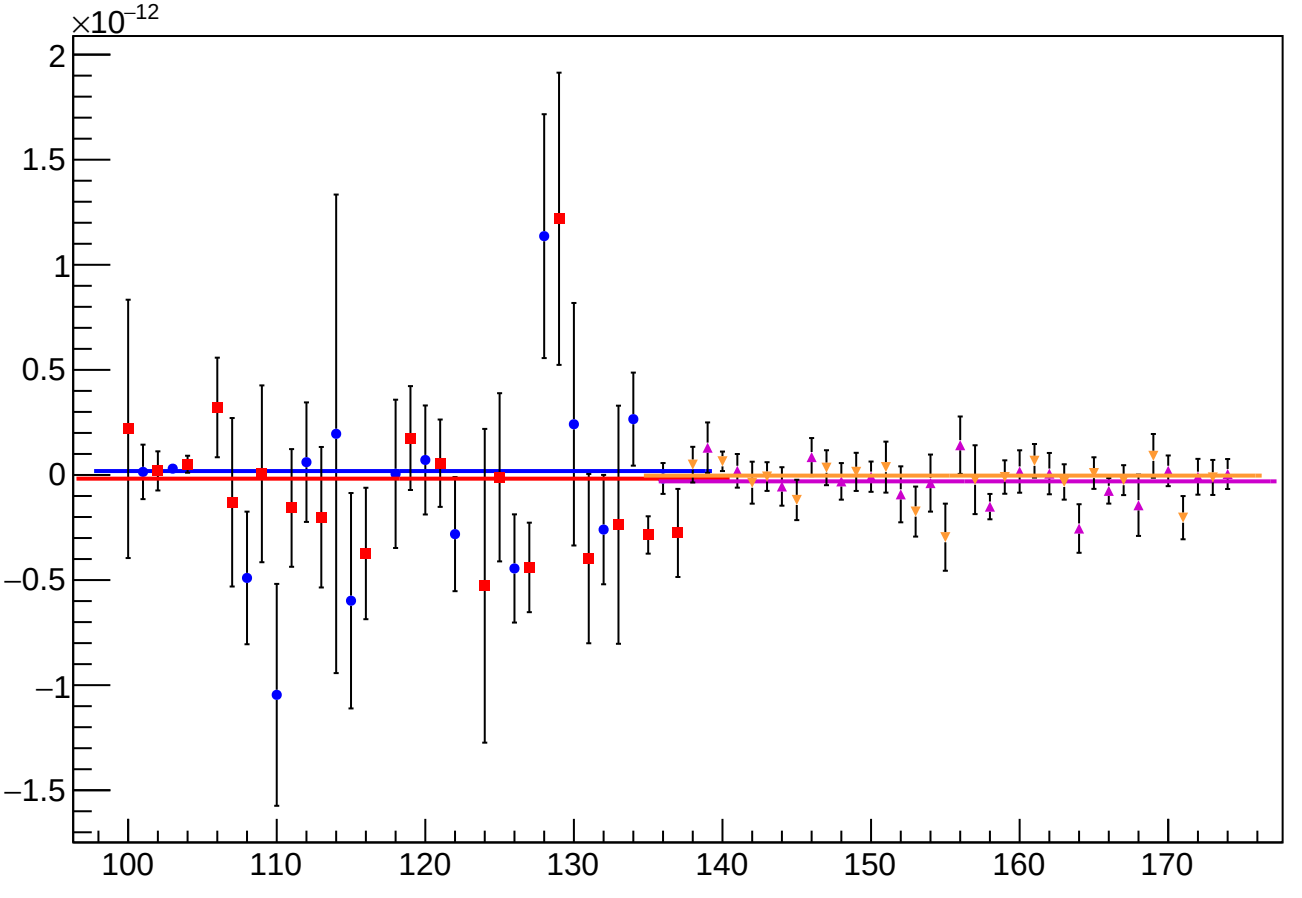
Left: 278.634+/-0.038 χ^2/NDF: 4116481.3/36

Right: 189.857+/-0.039 χ^2/NDF: 3895208.3/34

In: 236.860+/-0.038 χ^2/NDF:3945650.5/33

Out: 234.195+/-0.039 χ^2/NDF:6712777.9/37

All: 235.555+/-0.027 χ^2/NDF: 10660817.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.8/17

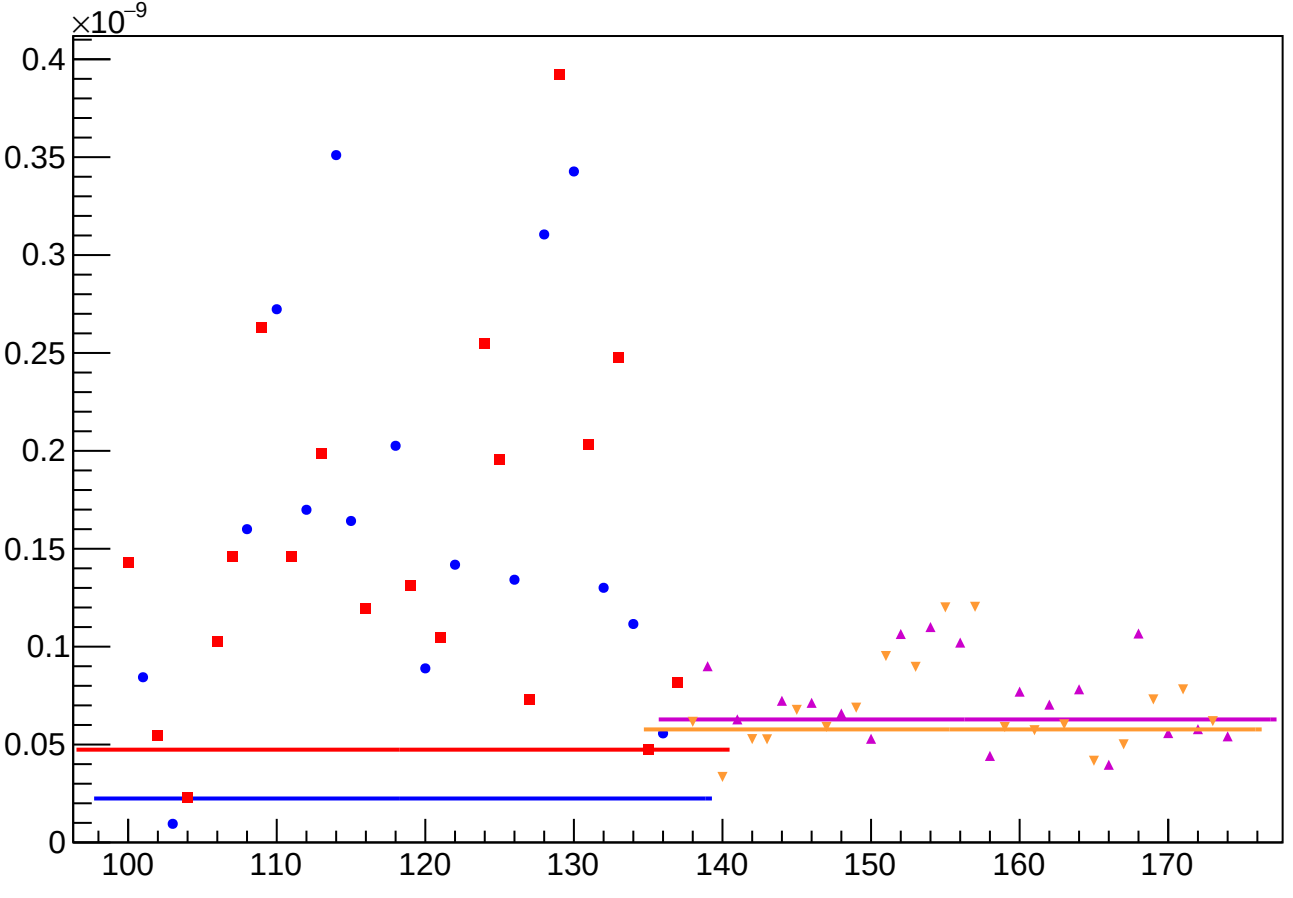
Left: -0.000+/-0.000 χ^2/NDF: 32.3/36

Right: 0.000+/-0.000 χ^2/NDF: 47.5/34

In: -0.000+/-0.000 χ^2/NDF:38.1/33

Out: -0.000+/-0.000 χ^2/NDF:42.8/37

All: -0.000+/-0.000 χ^2/NDF: 80.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 6410173.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1795894.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4236050.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1607212.3/17

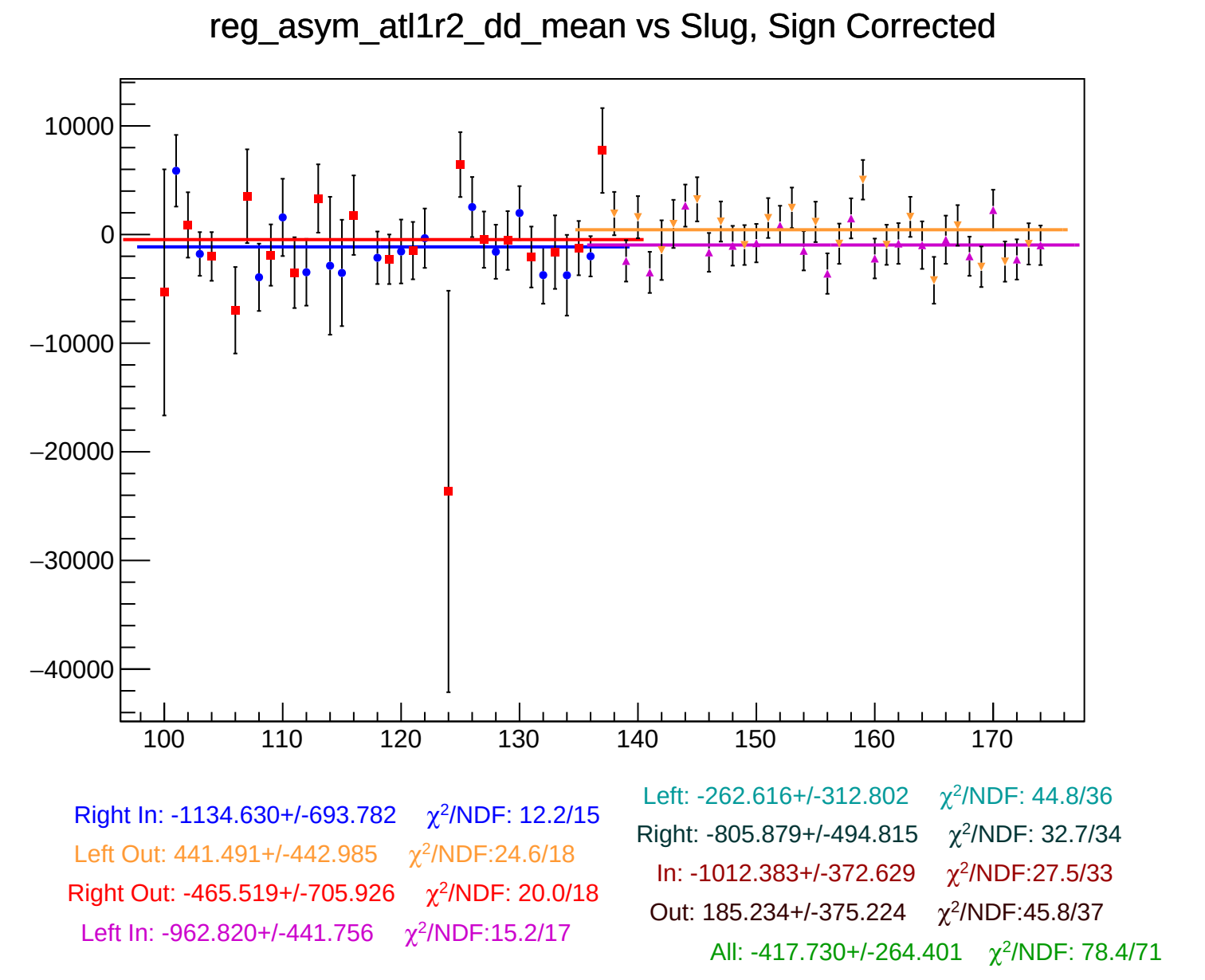
Left: 0.000+/-0.000 χ^2/NDF: 3467967.3/36

Right: 0.000+/-0.000 χ^2/NDF: 11534651.4/34

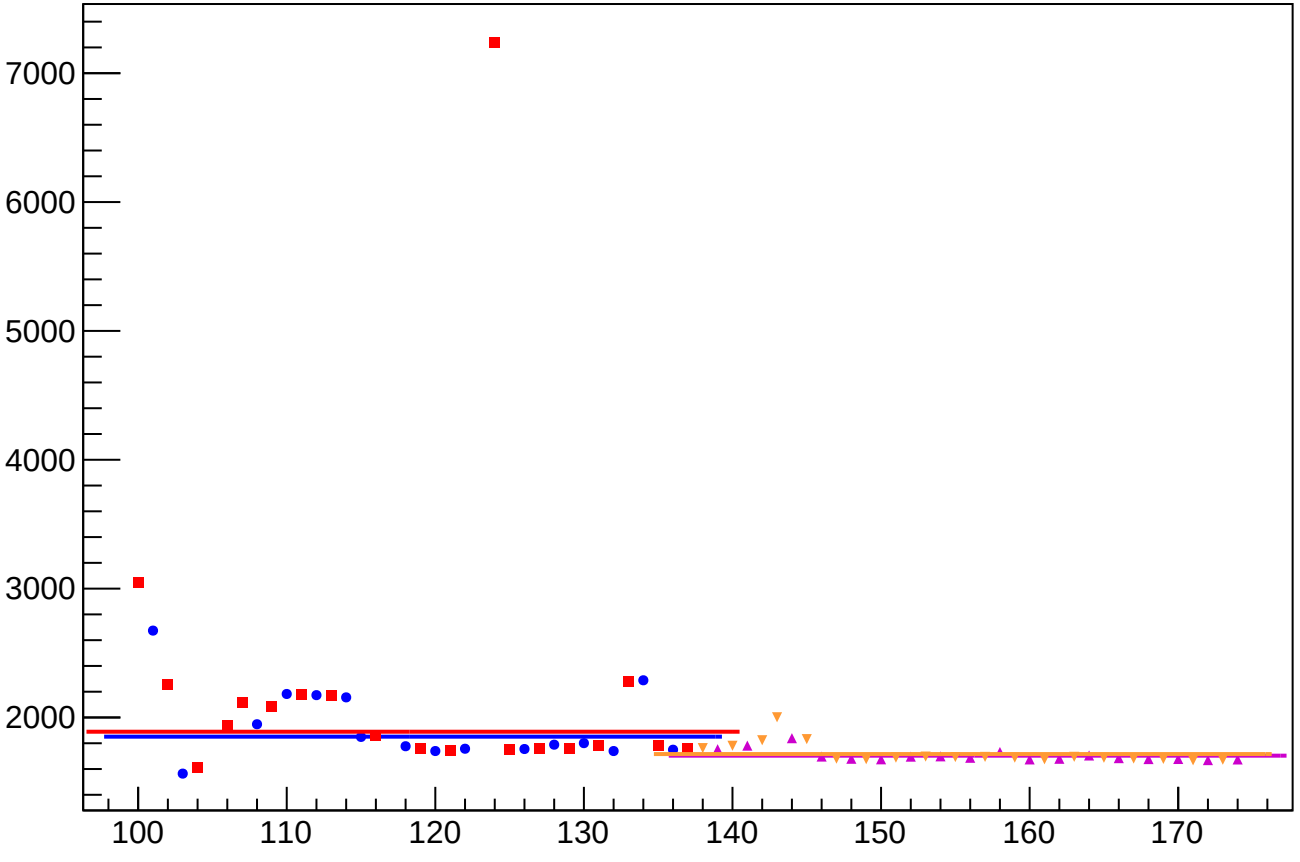
In: 0.000+/-0.000 χ^2/NDF:11852263.9/33

Out: 0.000+/-0.000 χ^2/NDF:6190470.8/37

All: 0.000+/-0.000 χ^2/NDF: 18664924.7/71


reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
110
120
130
140
150
160
170
Right In: -1134.630+/-693.782 χ²/NDF: 12.2/15
Left Out: 441.491+/-442.985 χ²/NDF:24.6/18
Right Out: -465.519+/-705.926 χ²/NDF: 20.0/18
Left In: -962.820+/-441.756 χ²/NDF:15.2/17
Left: -262.616+/-312.802 χ²/NDF: 44.8/36
Right: -805.879+/-494.815 χ²/NDF: 32.7/34
In: -1012.383+/-372.629 χ²/NDF:27.5/33
Out: 185.234+/-375.224 χ²/NDF:45.8/37
All: -417.730+/-264.401 χ²/NDF: 78.4/71

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.130+/-0.491 χ^2/NDF: 259981.6/15

Left Out: 1716.058+/-0.313 χ^2/NDF:55003.9/18

Right Out: 1889.528+/-0.498 χ^2/NDF: 358902.6/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

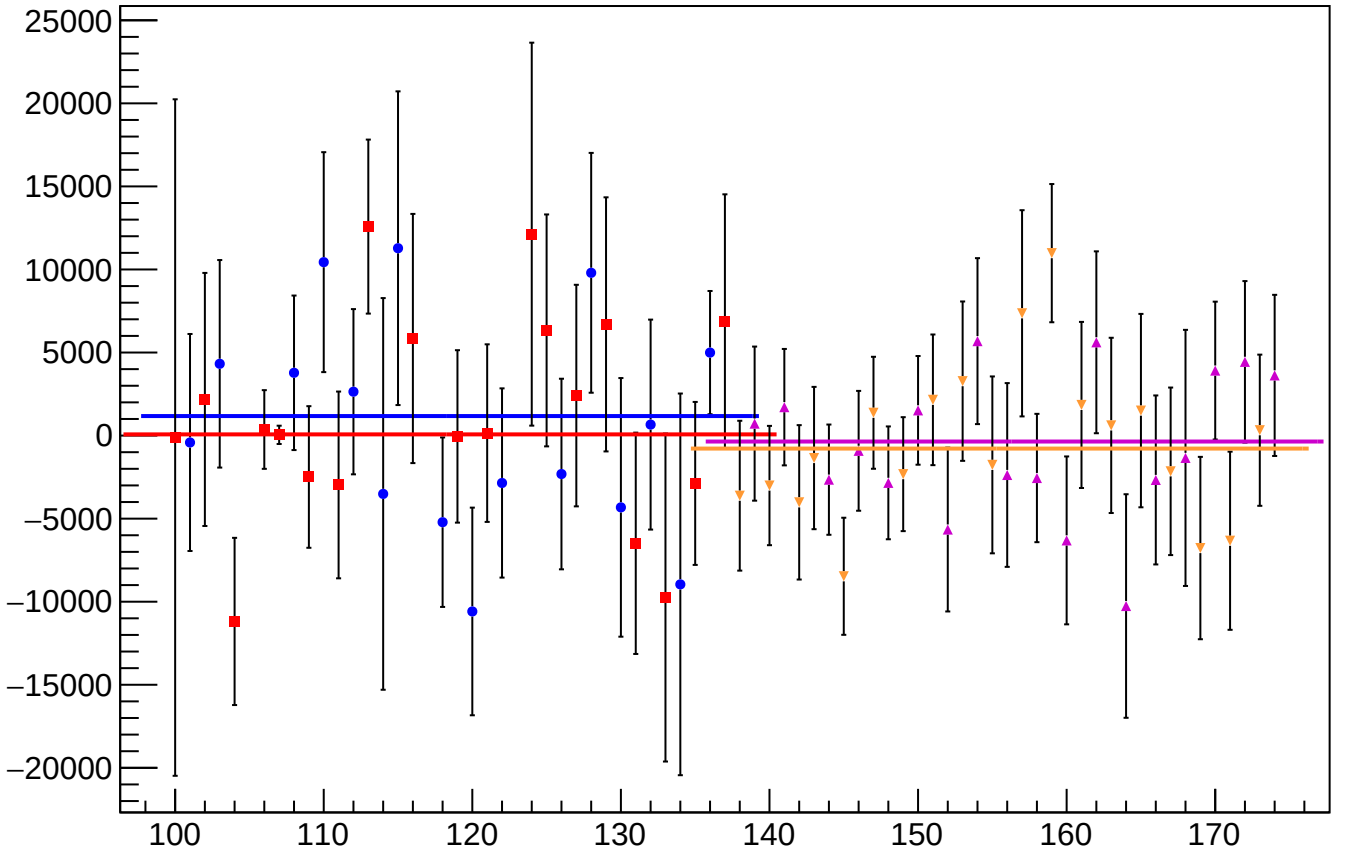
Left: 1709.844+/-0.221 χ^2/NDF: 74922.5/36

Right: 1870.040+/-0.349 χ^2/NDF: 621901.2/34

In: 1746.204+/-0.263 χ^2/NDF:343407.7/33

Out: 1765.232+/-0.265 χ^2/NDF:500843.7/37

All: 1755.658+/-0.187 χ^2/NDF: 846842.5/71



Right In: 1175.430+/-1502.128 χ^2/NDF: 13.7/15

Left Out: -781.740+/-1015.720 χ^2/NDF:20.6/18

Right Out: 72.681+/-505.693 χ^2/NDF: 17.9/18

Left In: -357.410+/-1026.175 χ^2/NDF:12.5/17

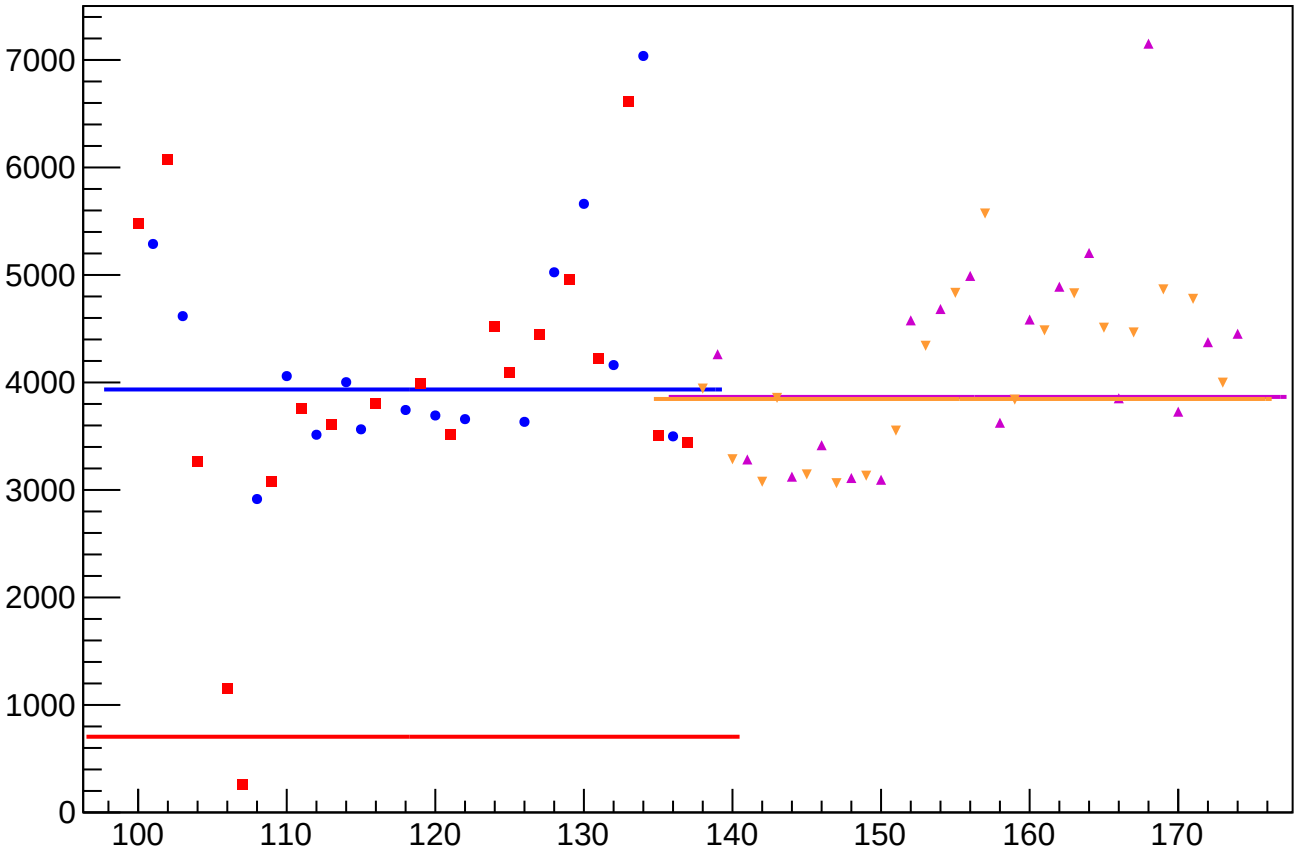
Left: -571.748+/-721.891 χ^2/NDF: 33.2/36

Right: 184.938+/-479.263 χ^2/NDF: 32.1/34

In: 130.328+/-847.329 χ^2/NDF:27.0/33

Out: -97.037+/-452.691 χ^2/NDF:39.1/37

All: -46.550+/-399.280 χ^2/NDF: 66.1/71



Right In: 3934.718+/-1.062 χ^2/NDF: 560125.6/15

Left Out: 3846.451+/-0.718 χ^2/NDF:924047.5/18

Right Out: 704.385+/-0.358 χ^2/NDF: 10618643.5/18

Left In: 3865.559+/-0.726 χ^2/NDF:1203172.0/17

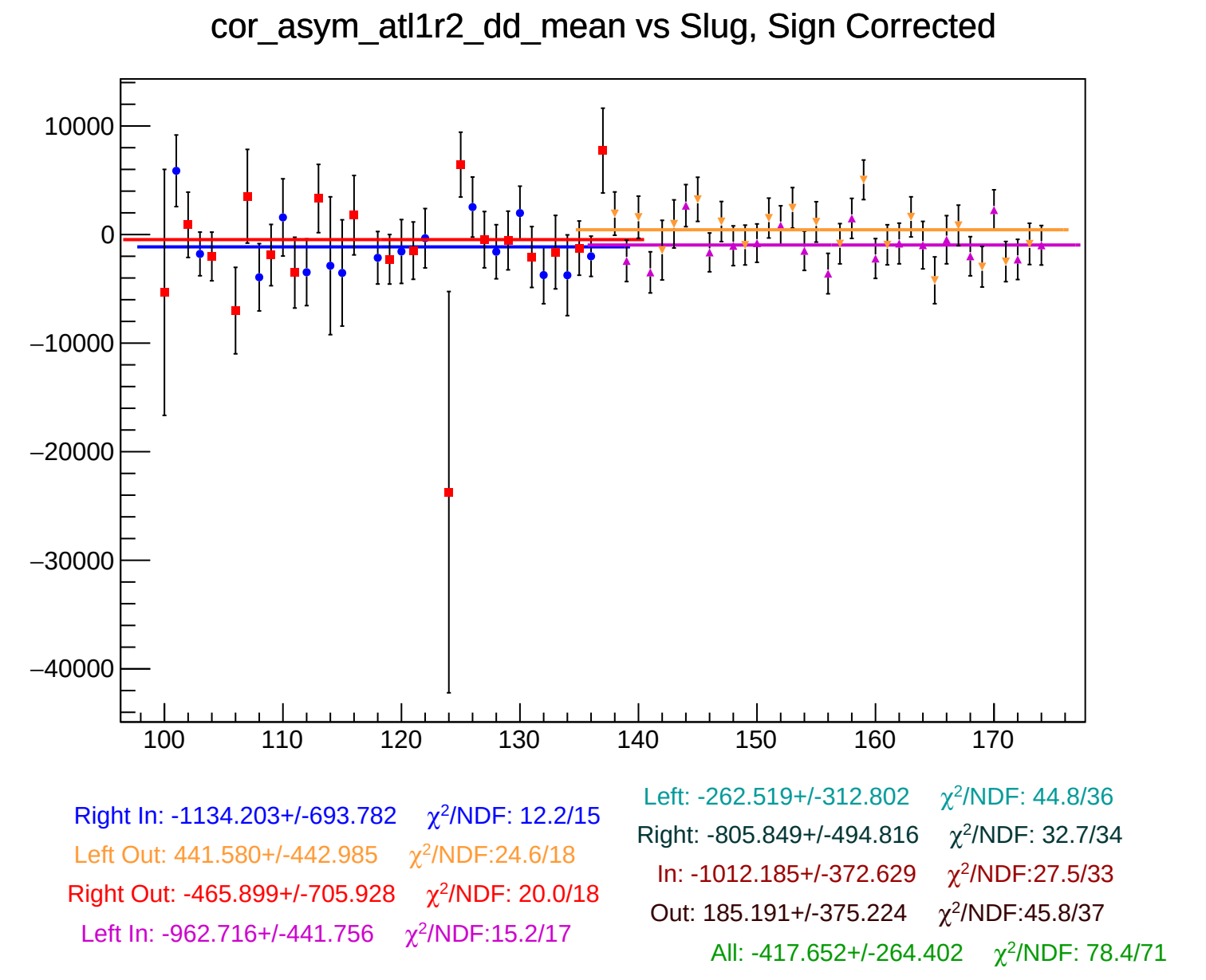
Left: 3855.907+/-0.510 χ^2/NDF: 2127569.8/36

Right: 1033.223+/-0.339 χ^2/NDF: 19486549.2/34

In: 3887.565+/-0.599 χ^2/NDF:1766188.1/33

Out: 1328.510+/-0.320 χ^2/NDF:26879756.9/37

All: 1896.749+/-0.282 χ^2/NDF: 42837706.2/7


cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
0
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−20000
−30000
−40000
100
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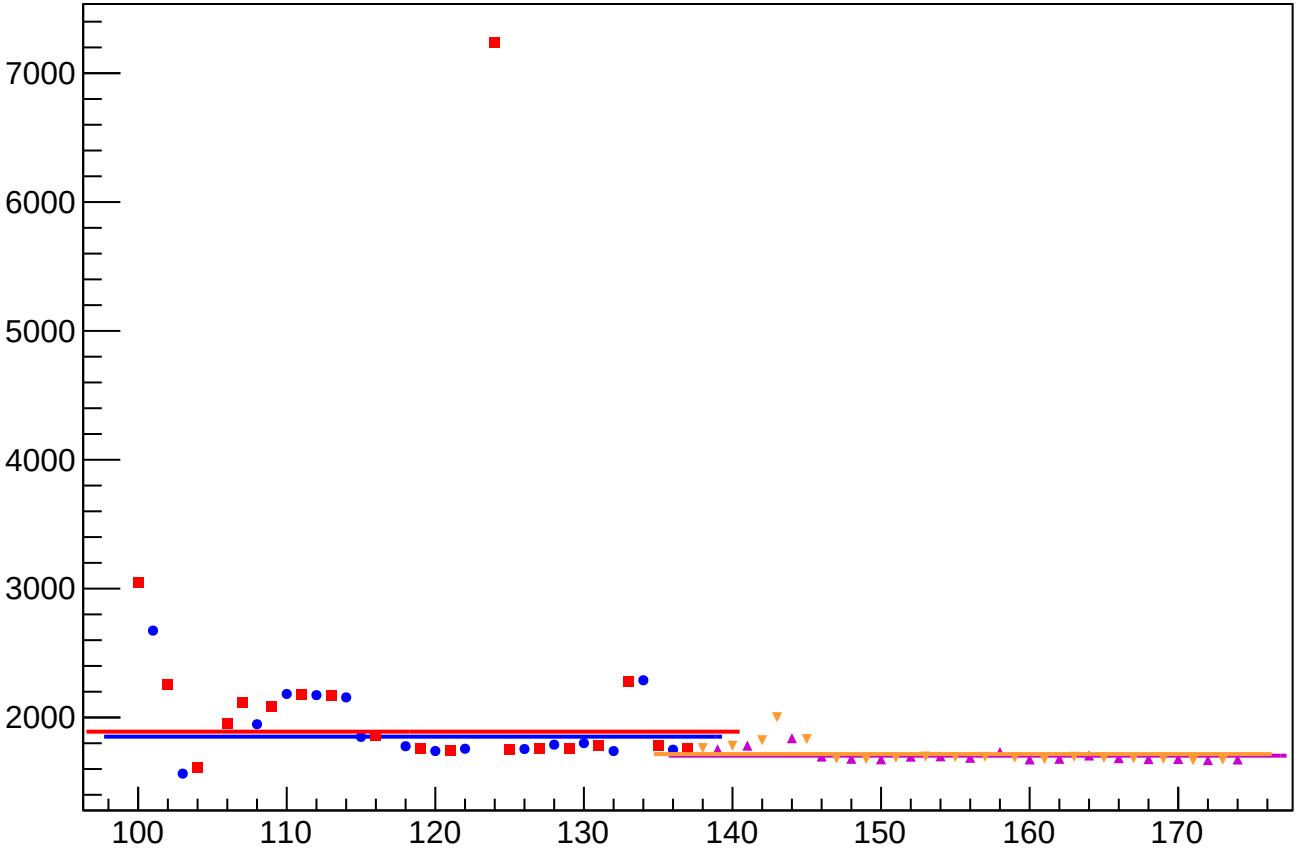
140
150
160
170
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 441.580+/-442.985 χ²/NDF:24.6/18
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -962.716+/-441.756 χ²/NDF:15.2/17
Left: -262.519+/-312.802 χ²/NDF: 44.8/36
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1012.185+/-372.629 χ²/NDF:27.5/33
Out: 185.191+/-375.224 χ²/NDF:45.8/37
All: -417.652+/-264.402 χ²/NDF: 78.4/71

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1716.058+/-0.313 χ^2/NDF:55003.9/18

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

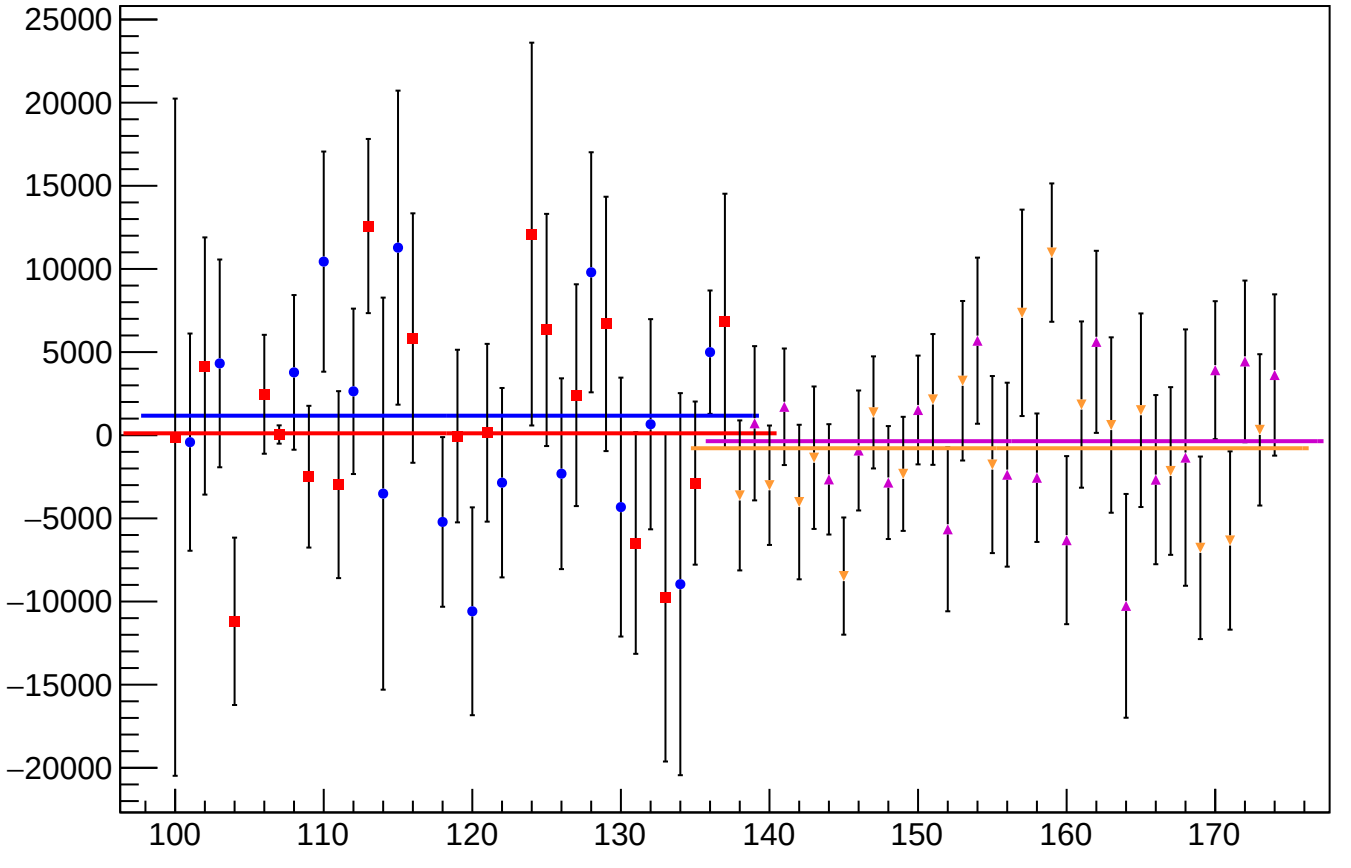
Left: 1709.844+/-0.221 χ^2/NDF: 74922.4/36

Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1746.204+/-0.263 χ^2/NDF:343407.2/33

Out: 1765.345+/-0.265 χ^2/NDF:501495.0/37

All: 1755.714+/-0.187 χ^2/NDF: 847524.1/71



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -781.737+/-1015.718 χ^2/NDF:20.6/18

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -357.378+/-1026.175 χ^2/NDF:12.5/17

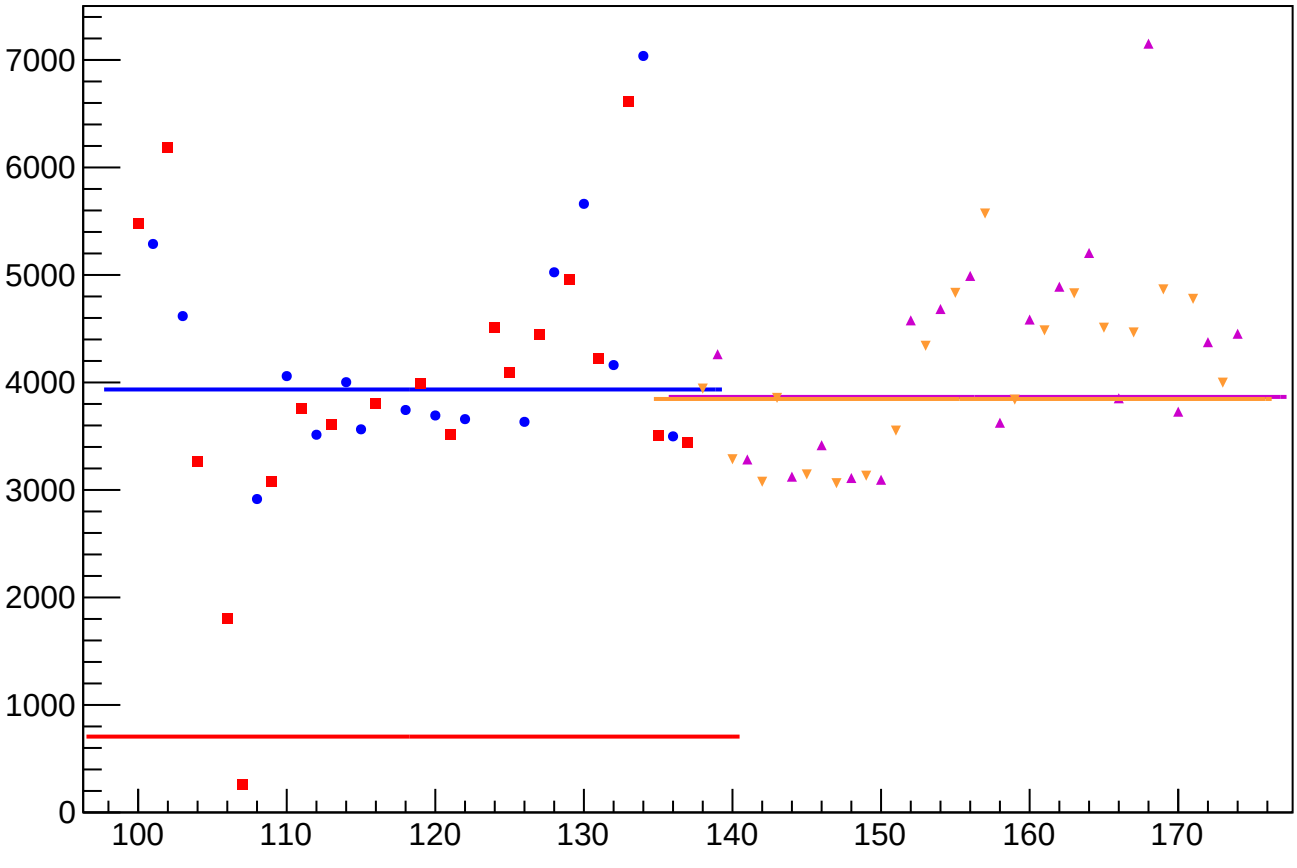
Left: -571.730+/-721.890 χ^2/NDF: 33.2/36

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 130.341+/-847.330 χ^2/NDF:27.0/33

Out: -66.122+/-457.405 χ^2/NDF:39.8/37

All: -21.790+/-402.503 χ^2/NDF: 66.7/71



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3846.440+/-0.718 χ^2/NDF:924055.8/18

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

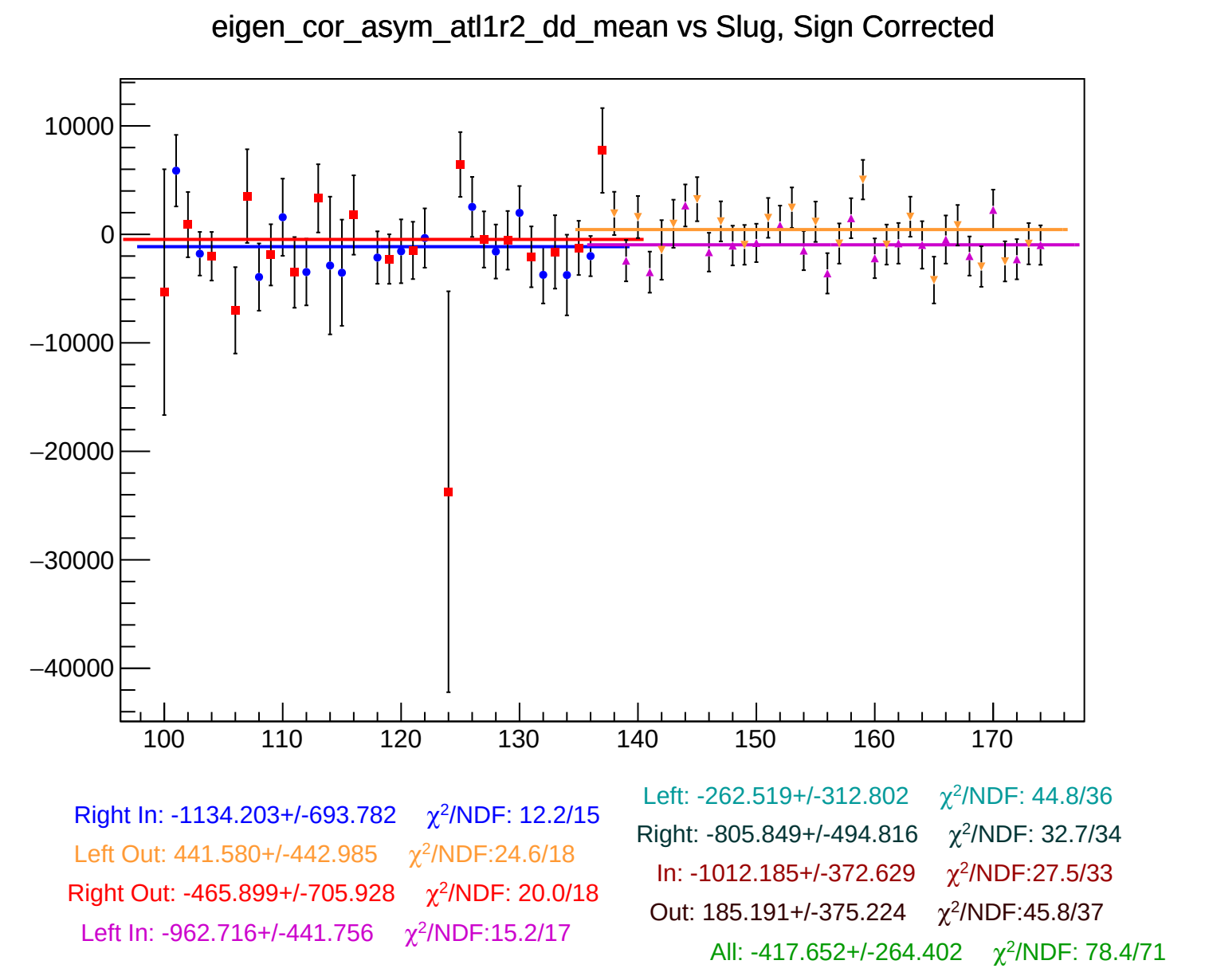
Left: 3855.901+/-0.510 χ^2/NDF: 2127566.4/36

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3887.567+/-0.599 χ^2/NDF:1766201.1/33

Out: 1342.559+/-0.323 χ^2/NDF:26916722.9/37

All: 1916.837+/-0.285 χ^2/NDF: 42654358.4/7


eigen_cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected
10000
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−40000
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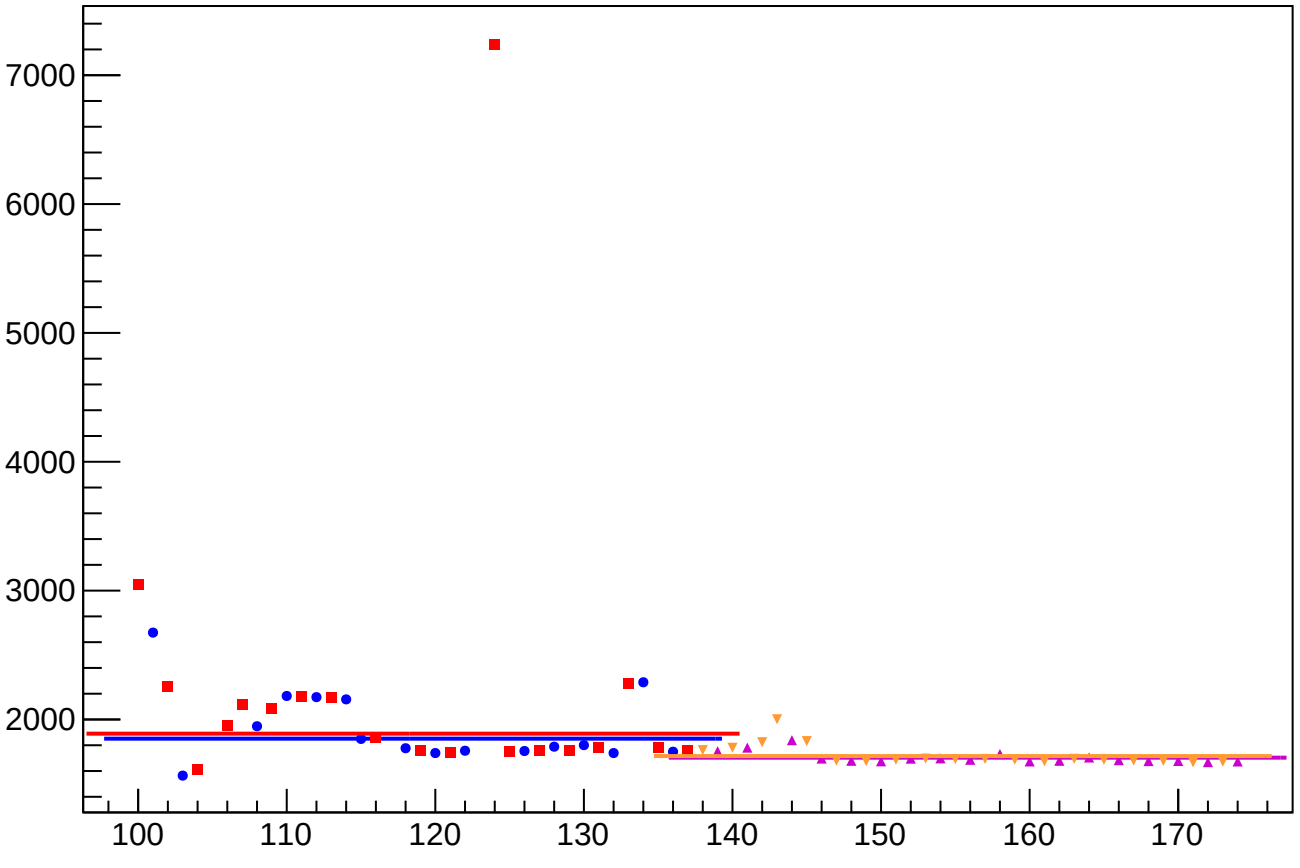
Right In: -1134.203+/-693.782 χ²/NDF: 12.2/15
Left Out: 441.580+/-442.985 χ²/NDF:24.6/18
Right Out: -465.899+/-705.928 χ²/NDF: 20.0/18
Left In: -962.716+/-441.756 χ²/NDF:15.2/17
Left: -262.519+/-312.802 χ²/NDF: 44.8/36
Right: -805.849+/-494.816 χ²/NDF: 32.7/34
In: -1012.185+/-372.629 χ²/NDF:27.5/33
Out: 185.191+/-375.224 χ²/NDF:45.8/37
All: -417.652+/-264.402 χ²/NDF: 78.4/71



Right In: 1851.131+/-0.491 χ^2/NDF: 259980.7/15

Left Out: 1716.058+/-0.313 χ^2/NDF:55003.9/18

Right Out: 1889.986+/-0.498 χ^2/NDF: 359122.3/18

Left In: 1703.664+/-0.312 χ^2/NDF:19133.5/17

Left: 1709.844+/-0.221 χ^2/NDF: 74922.4/36

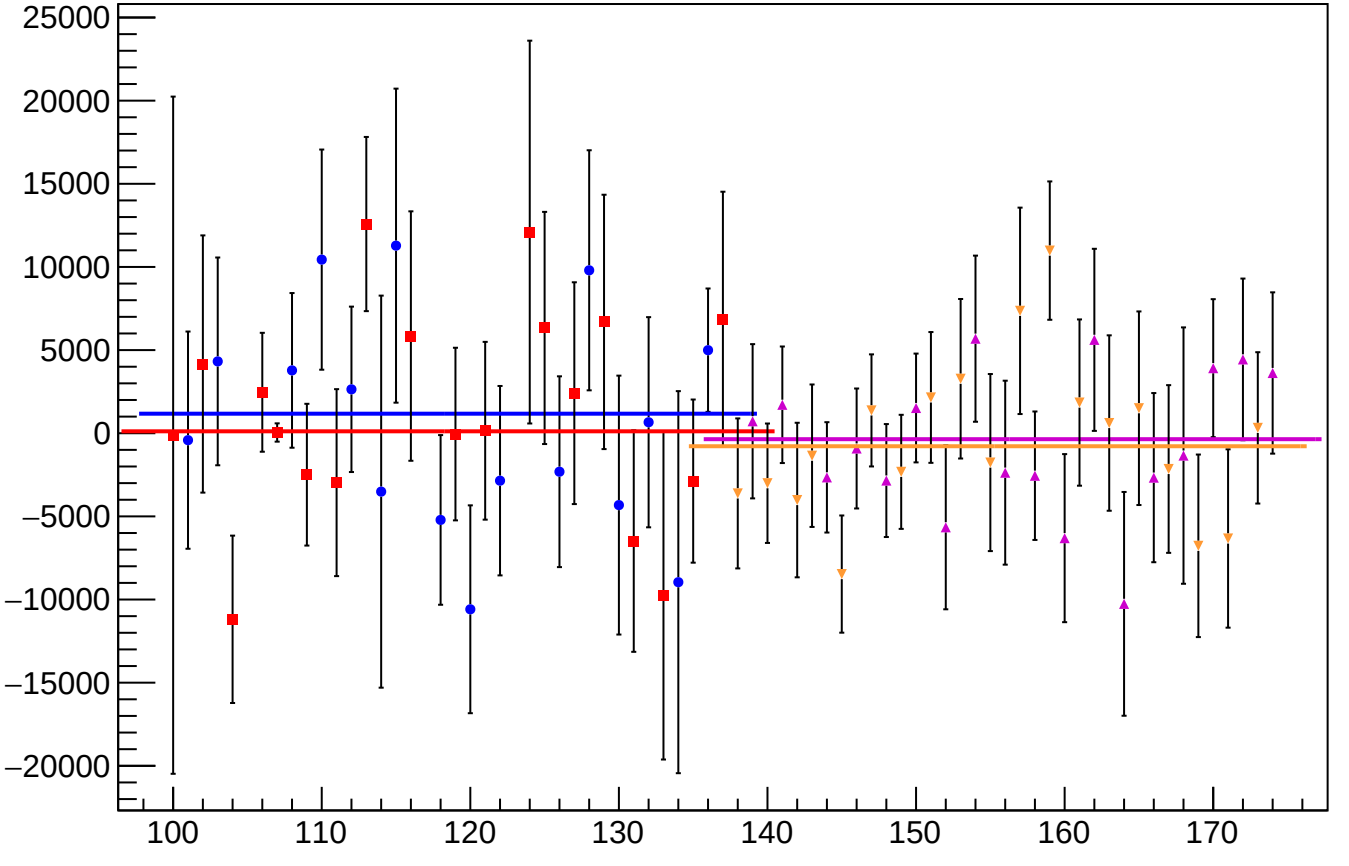
Right: 1870.262+/-0.350 χ^2/NDF: 622191.7/34

In: 1746.204+/-0.263 χ^2/NDF:343407.2/33

Out: 1765.345+/-0.265 χ^2/NDF:501495.0/37

All: 1755.714+/-0.187 χ^2/NDF: 847524.1/71

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1175.408+/-1502.134 χ^2/NDF: 13.7/15

Left Out: -781.737+/-1015.718 χ^2/NDF:20.6/18

Right Out: 115.917+/-512.289 χ^2/NDF: 18.6/18

Left In: -357.378+/-1026.175 χ^2/NDF:12.5/17

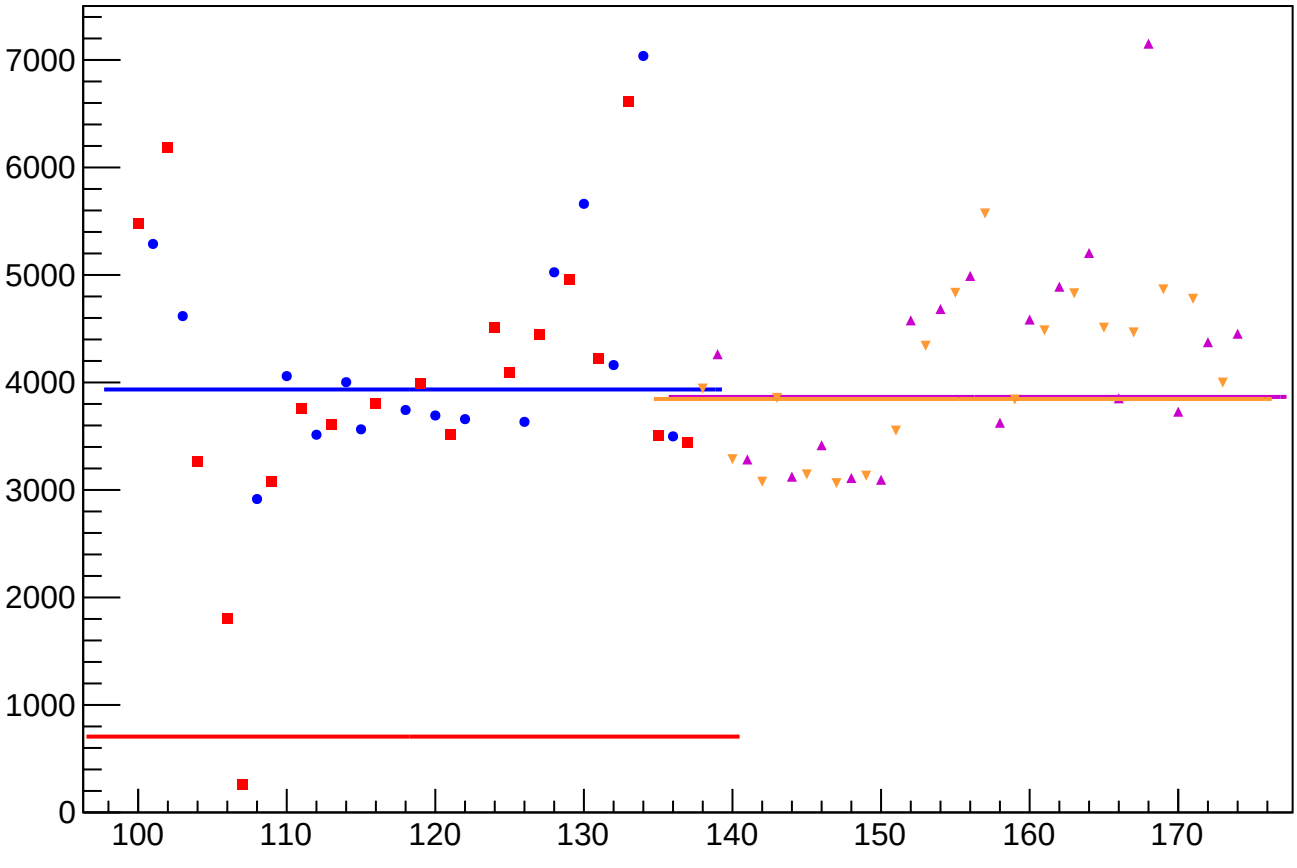
Left: -571.730+/-721.890 χ^2/NDF: 33.2/36

Right: 226.306+/-484.867 χ^2/NDF: 32.7/34

In: 130.341+/-847.330 χ^2/NDF:27.0/33

Out: -66.122+/-457.405 χ^2/NDF:39.8/37

All: -21.790+/-402.503 χ^2/NDF: 66.7/71



Right In: 3934.727+/-1.062 χ^2/NDF: 560149.8/15

Left Out: 3846.440+/-0.718 χ^2/NDF:924055.8/18

Right Out: 705.620+/-0.362 χ^2/NDF: 10747208.1/18

Left In: 3865.558+/-0.726 χ^2/NDF:1203159.9/17

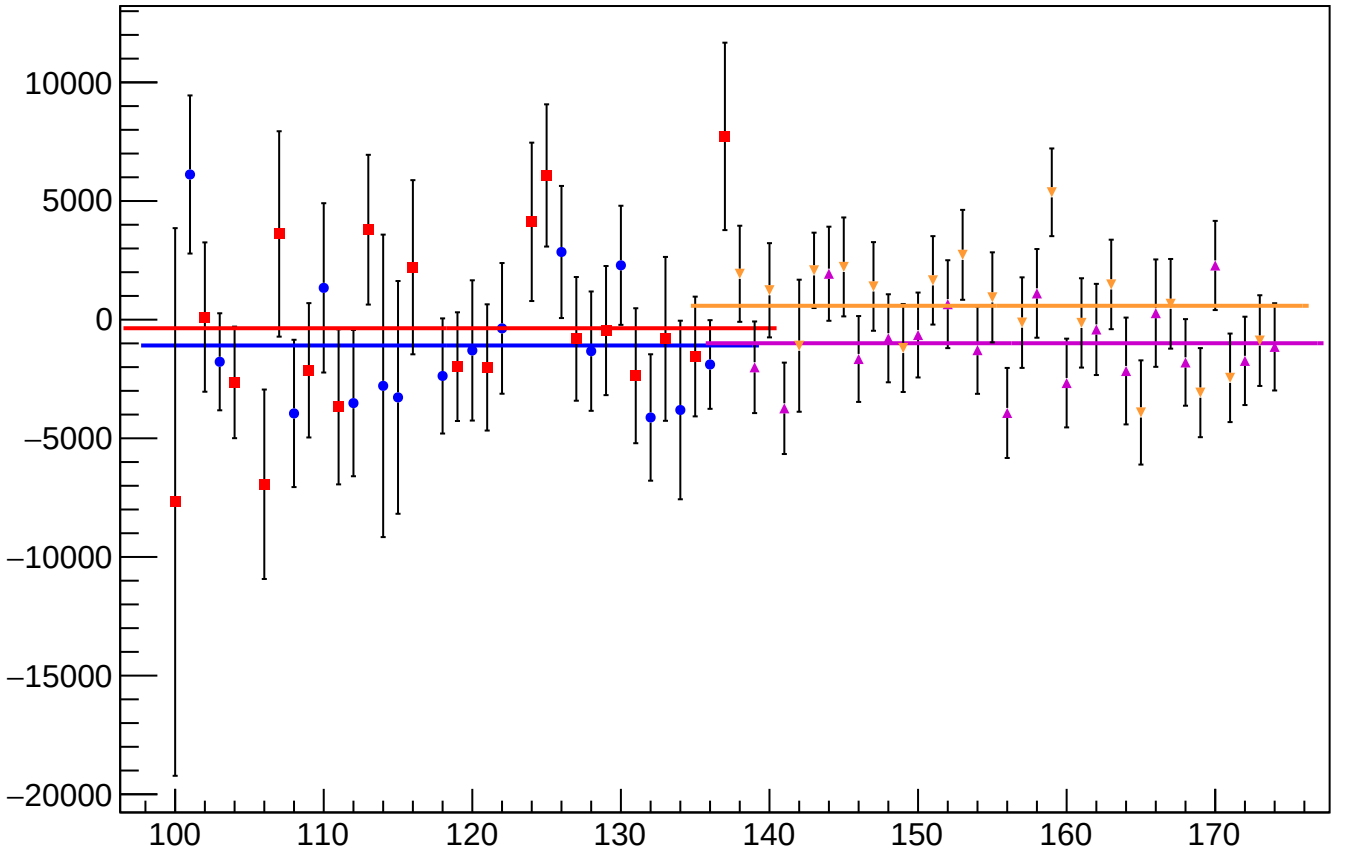
Left: 3855.901+/-0.510 χ^2/NDF: 2127566.4/36

Right: 1042.063+/-0.343 χ^2/NDF: 19586646.8/34

In: 3887.567+/-0.599 χ^2/NDF:1766201.1/33

Out: 1342.559+/-0.323 χ^2/NDF:26916722.9/37

All: 1916.837+/-0.285 χ^2/NDF: 42654358.4/



Right In: -1087.731+/-699.579 χ^2/NDF: 13.2/15

Left Out: 584.920+/-441.156 χ^2/NDF:23.6/18

Right Out: -361.218+/-699.665 χ^2/NDF: 20.8/18

Left In: -993.334+/-448.613 χ^2/NDF:14.0/17

Left: -190.980+/-314.548 χ^2/NDF: 43.9/36

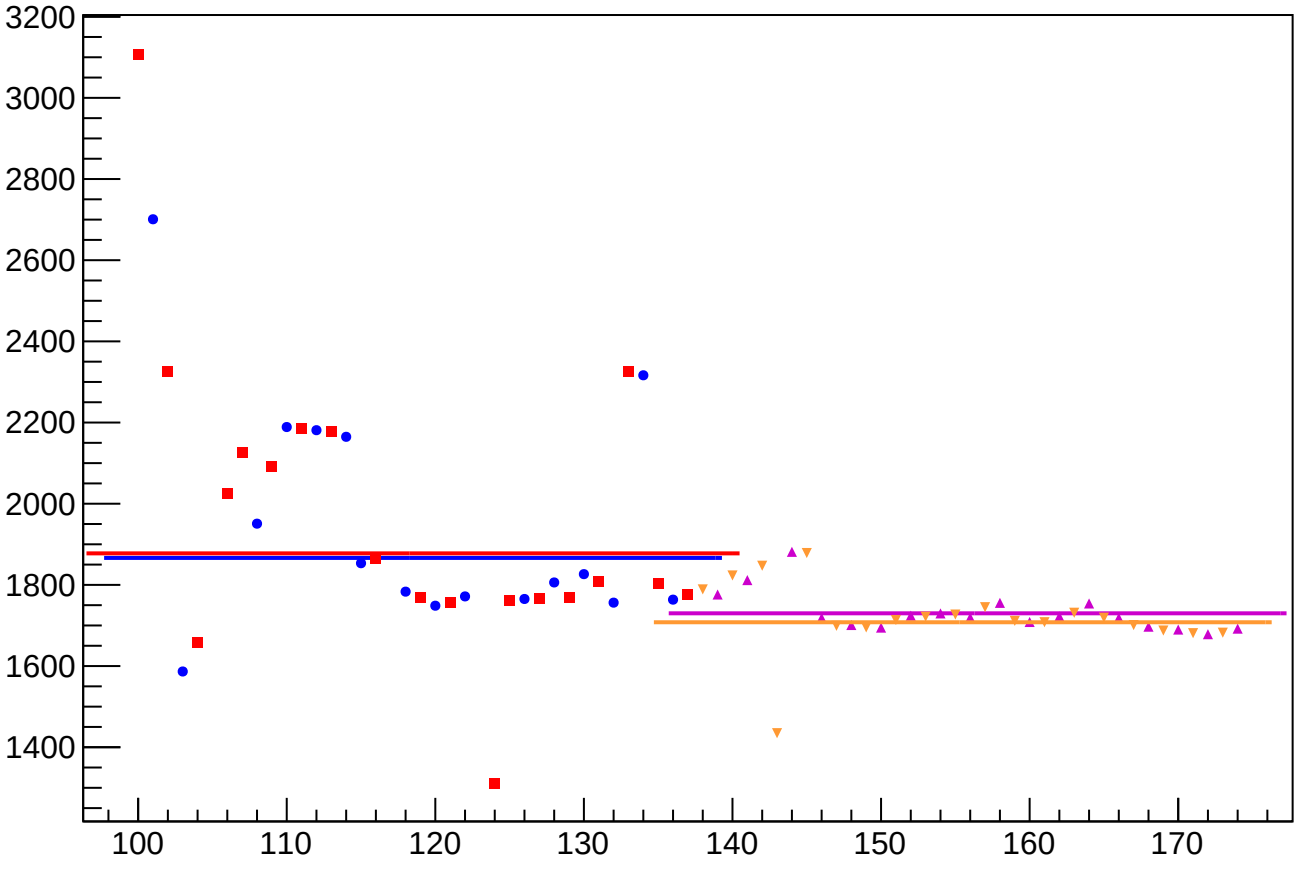
Right: -724.519+/-494.707 χ^2/NDF: 34.5/34

In: -1020.841+/-377.638 χ^2/NDF:27.2/33

Out: 315.775+/-373.170 χ^2/NDF:45.8/37

All: -344.580+/-265.436 χ^2/NDF: 79.3/71

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.4/15

Left Out: 1707.910+/-0.312 χ^2/NDF:90224.3/18

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.5/18

Left In: 1729.965+/-0.317 χ^2/NDF:22749.1/17

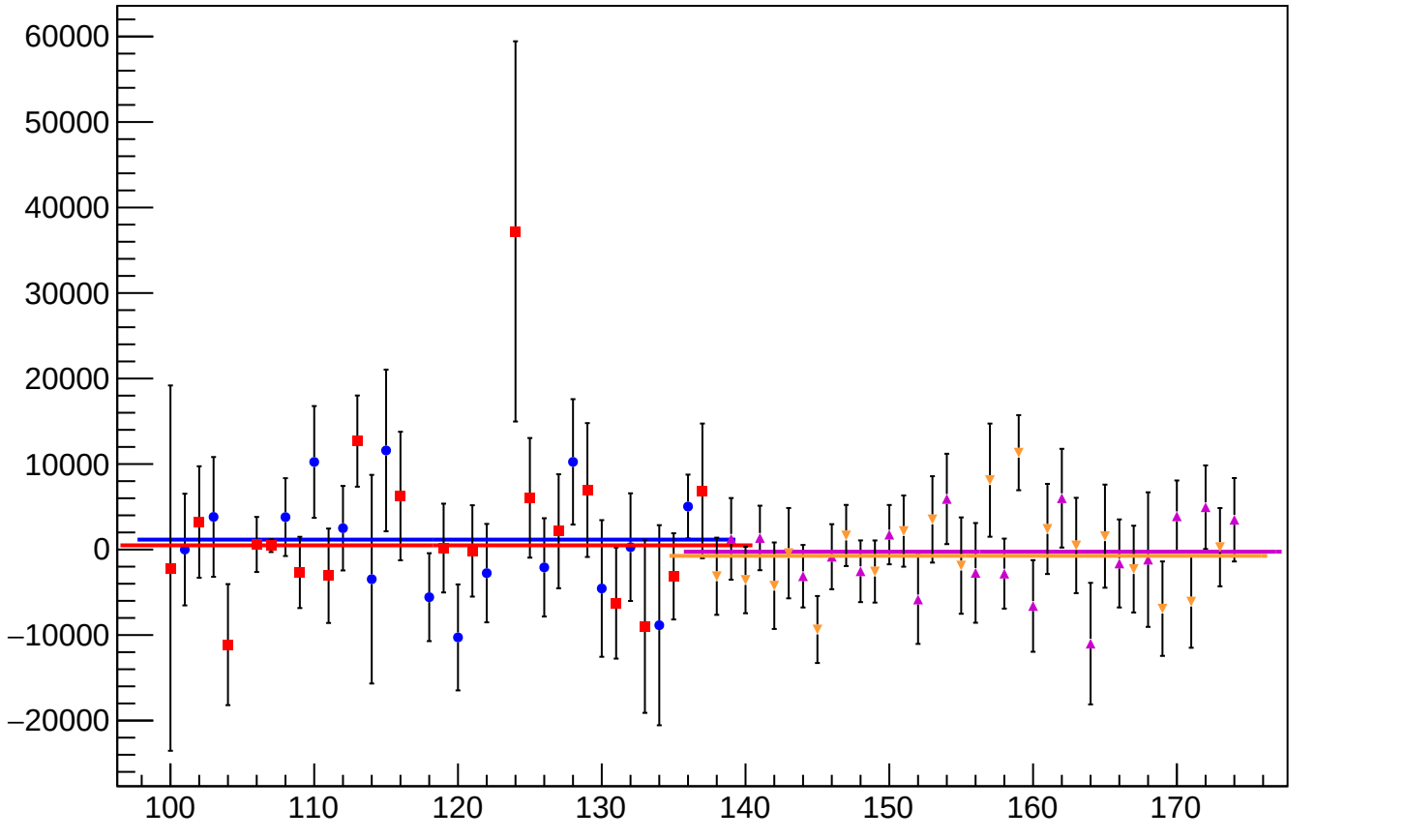
Left: 1718.753+/-0.222 χ^2/NDF: 115430.8/36

Right: 1872.061+/-0.350 χ^2/NDF: 508369.5/34

In: 1769.737+/-0.267 χ^2/NDF:332958.7/33

Out: 1756.256+/-0.264 χ^2/NDF:426409.1/37

All: 1762.915+/-0.188 χ^2/NDF: 760657.7/71



Right In: 1161.124+/-1512.225 χ^2/NDF: 13.7/15

Left Out: -735.695+/-1077.262 χ^2/NDF:20.3/18

Right Out: 492.907+/-658.510 χ^2/NDF: 16.9/18

Left In: -251.955+/-1078.706 χ^2/NDF:12.4/17

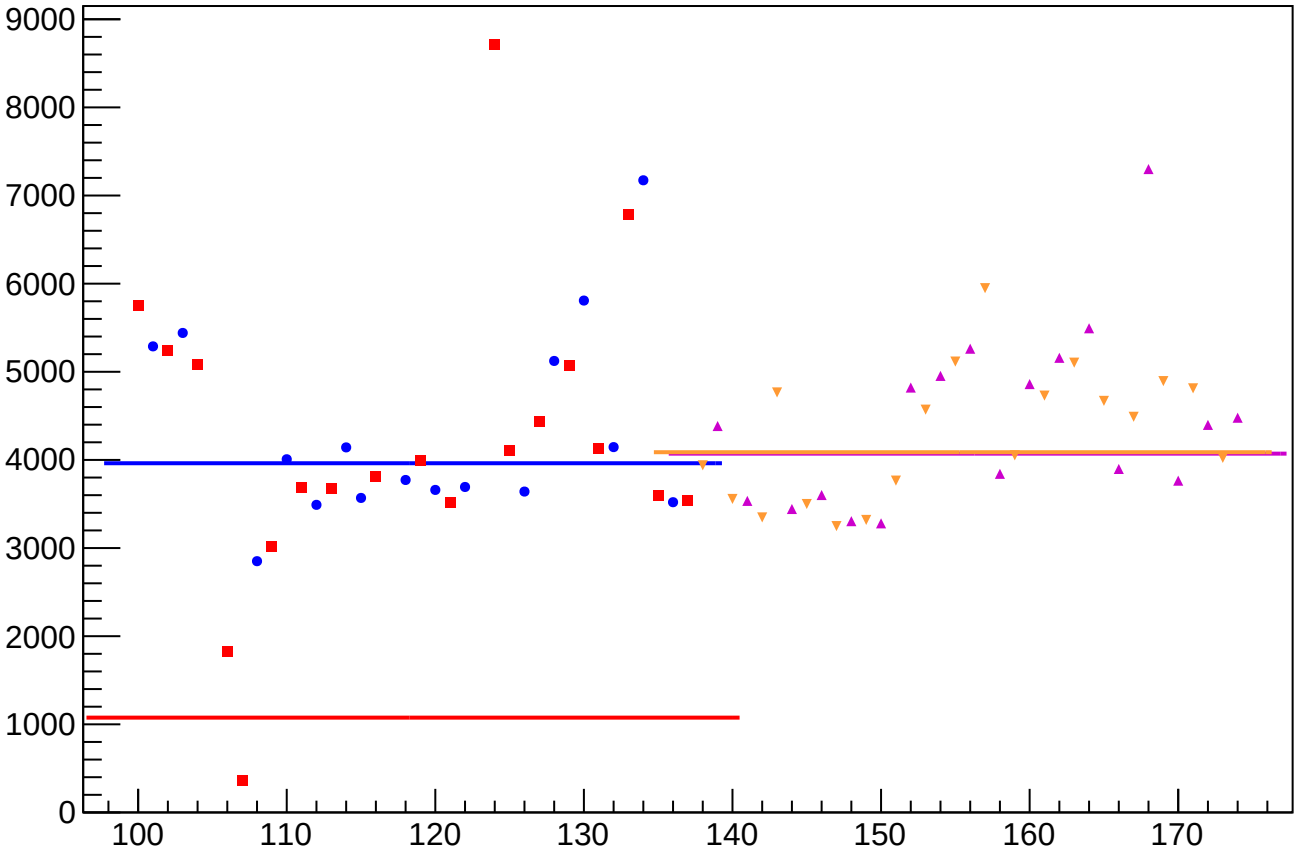
Left: -494.149+/-762.249 χ^2/NDF: 32.8/36

Right: 599.419+/-603.751 χ^2/NDF: 30.8/34

In: 224.585+/-878.178 χ^2/NDF:26.6/33

Out: 158.702+/-561.852 χ^2/NDF:38.2/37

All: 177.837+/-473.277 χ^2/NDF: 64.8/71



Right In: 3962.368+/-1.069 χ^2/NDF: 668339.6/15

Left Out: 4087.531+/-0.762 χ^2/NDF:821241.7/18

Right Out: 1075.957+/-0.466 χ^2/NDF: 9558372.9/18

Left In: 4071.270+/-0.763 χ^2/NDF:1086828.1/17

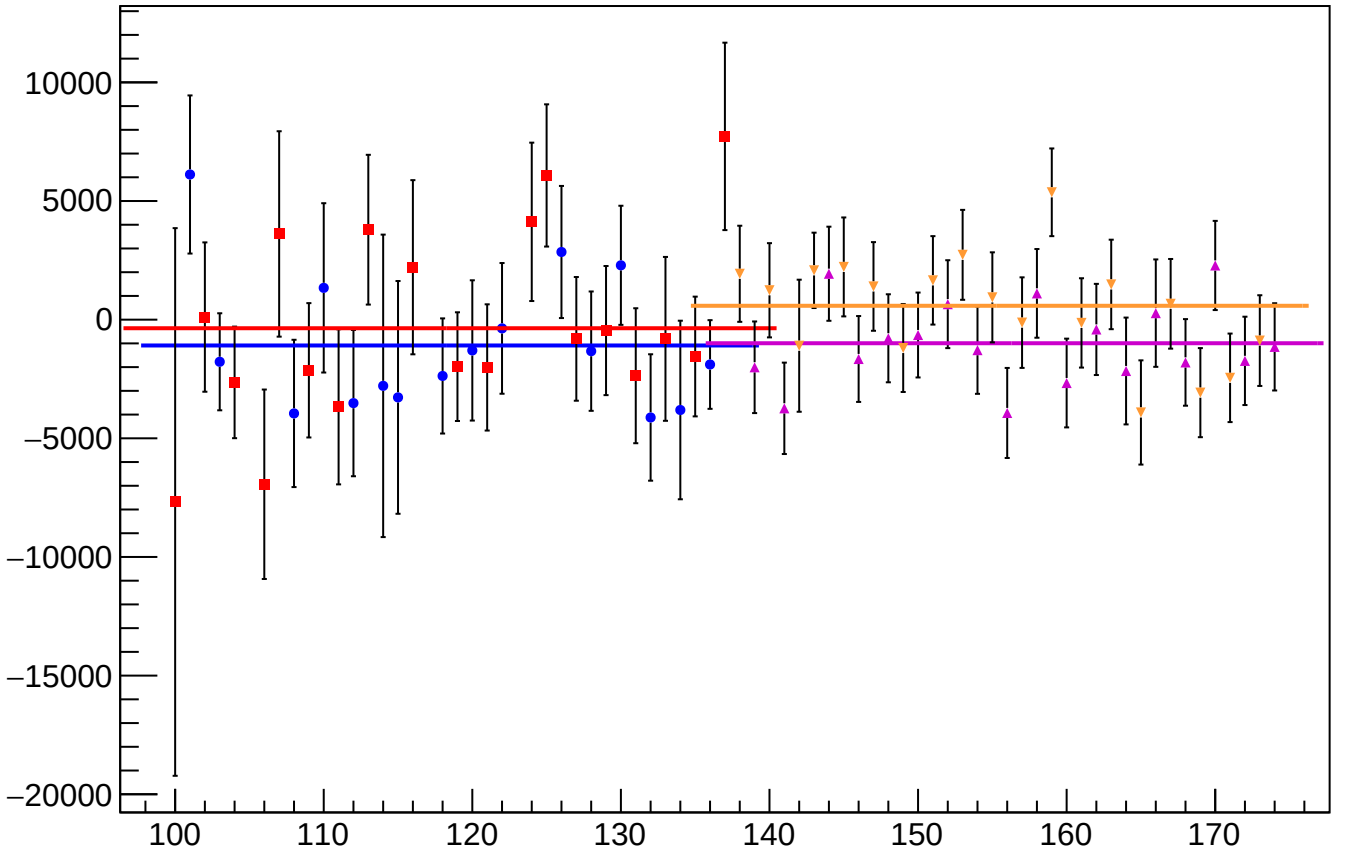
Left: 4079.412+/-0.539 χ^2/NDF: 1908297.4/36

Right: 1536.045+/-0.427 χ^2/NDF: 16351680.6/34

In: 4034.544+/-0.621 χ^2/NDF:1762042.0/33

Out: 1895.167+/-0.397 χ^2/NDF:21758340.1/37

All: 2516.540+/-0.335 χ^2/NDF: 31942570.3/7



Right In: -1087.736+/-699.579 χ^2/NDF: 13.2/15

Left Out: 584.923+/-441.156 χ^2/NDF:23.6/18

Right Out: -361.223+/-699.665 χ^2/NDF: 20.8/18

Left In: -993.335+/-448.613 χ^2/NDF:14.0/17

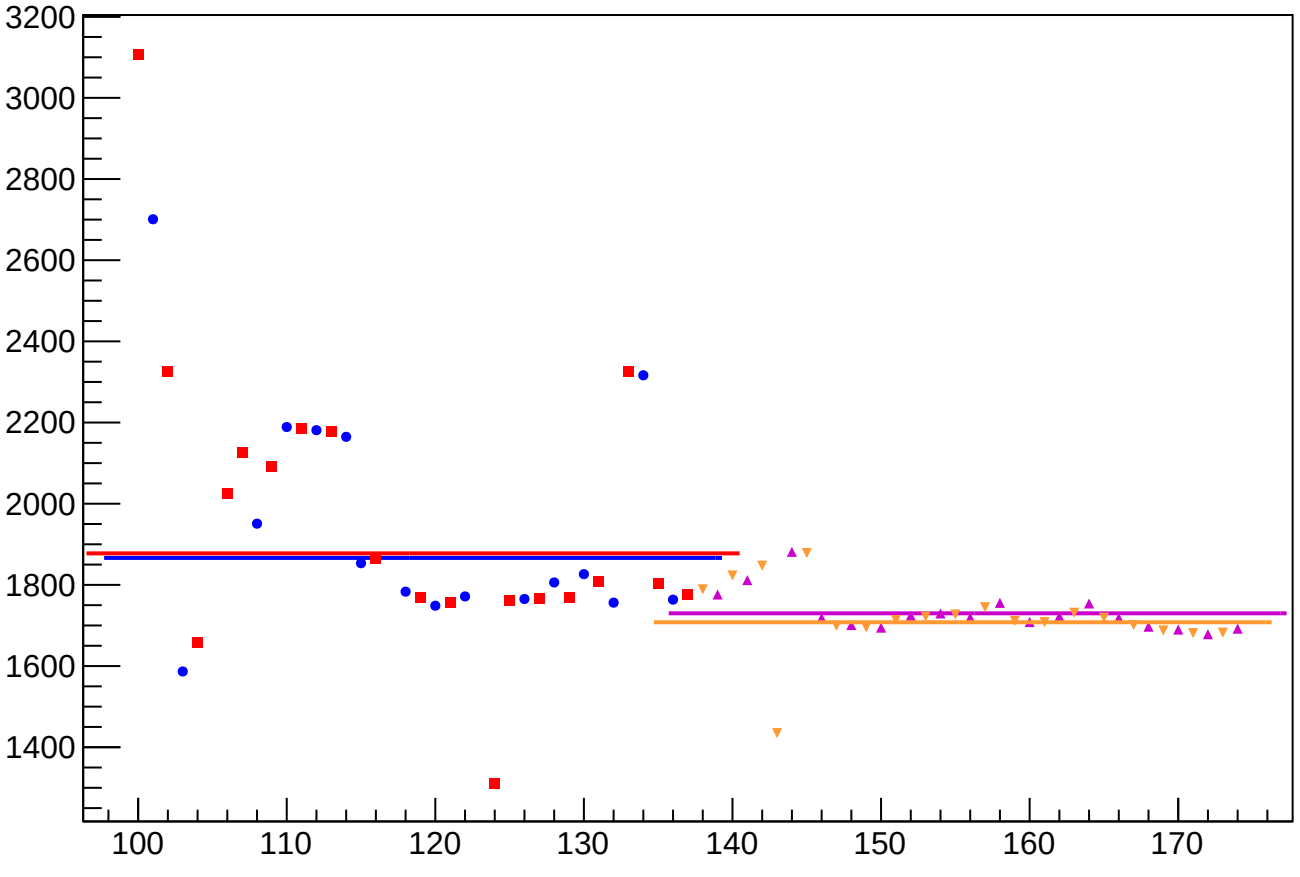
Left: -190.979+/-314.548 χ^2/NDF: 43.9/36

Right: -724.524+/-494.707 χ^2/NDF: 34.5/34

In: -1020.843+/-377.638 χ^2/NDF:27.2/33

Out: 315.775+/-373.170 χ^2/NDF:45.8/37

All: -344.581+/-265.436 χ^2/NDF: 79.3/71



Right In: 1866.456+/-0.495 χ^2/NDF: 256262.3/15

Left Out: 1707.911+/-0.312 χ^2/NDF:90223.5/18

Right Out: 1877.659+/-0.494 χ^2/NDF: 251850.8/18

Left In: 1729.966+/-0.317 χ^2/NDF:22749.1/17

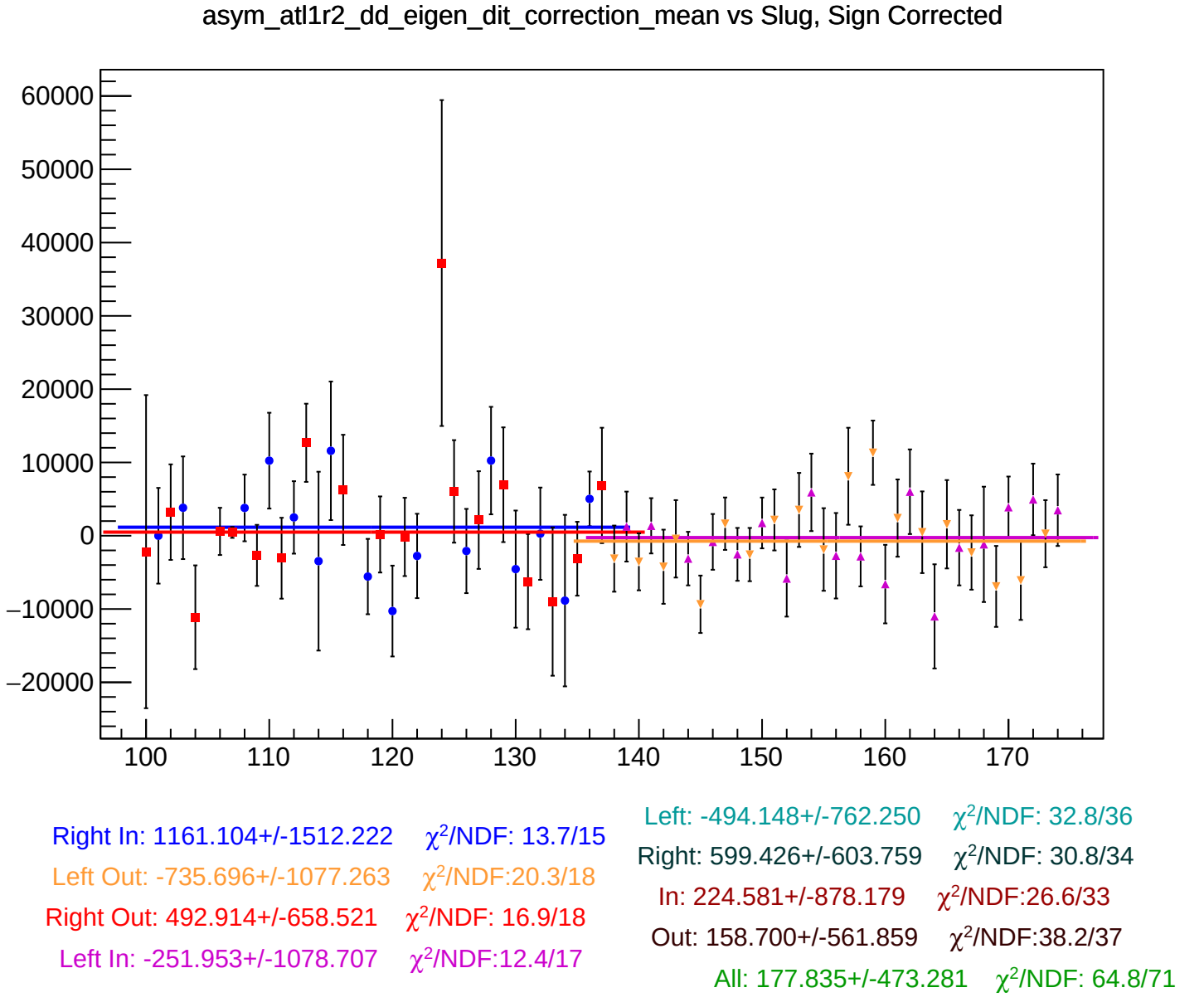
Left: 1718.754+/-0.222 χ^2/NDF: 115430.0/36

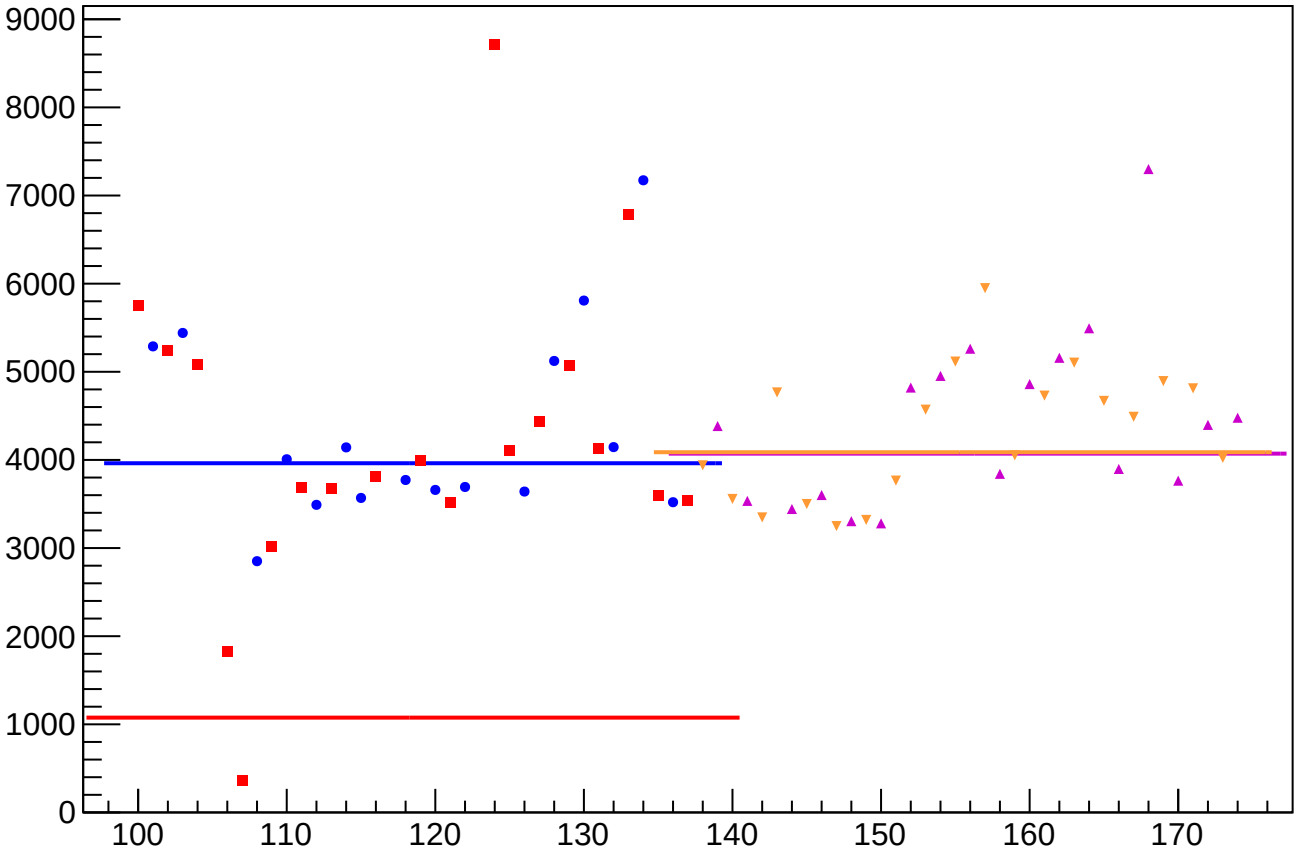
Right: 1872.061+/-0.350 χ^2/NDF: 508369.7/34

In: 1769.738+/-0.267 χ^2/NDF:332957.8/33

Out: 1756.256+/-0.264 χ^2/NDF:426407.8/37

All: 1762.915+/-0.188 χ^2/NDF: 760655.5/71


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 1161.104+/-1512.222 χ²/NDF: 13.7/15
Left Out: -735.696+/-1077.263 χ²/NDF:20.3/18
Right Out: 492.914+/-658.521 χ²/NDF: 16.9/18
Left In: -251.953+/-1078.707 χ²/NDF:12.4/17
Left: -494.148+/-762.250 χ²/NDF: 32.8/36
Right: 599.426+/-603.759 χ²/NDF: 30.8/34
In: 224.581+/-878.179 χ²/NDF:26.6/33
Out: 158.700+/-561.859 χ²/NDF:38.2/37
All: 177.835+/-473.281 χ²/NDF: 64.8/71



Right In: 3962.361+/-1.069 χ^2/NDF: 668335.9/15

Left Out: 4087.537+/-0.762 χ^2/NDF:821241.4/18

Right Out: 1075.988+/-0.466 χ^2/NDF: 9558243.3/18

Left In: 4071.276+/-0.763 χ^2/NDF:1086830.2/17

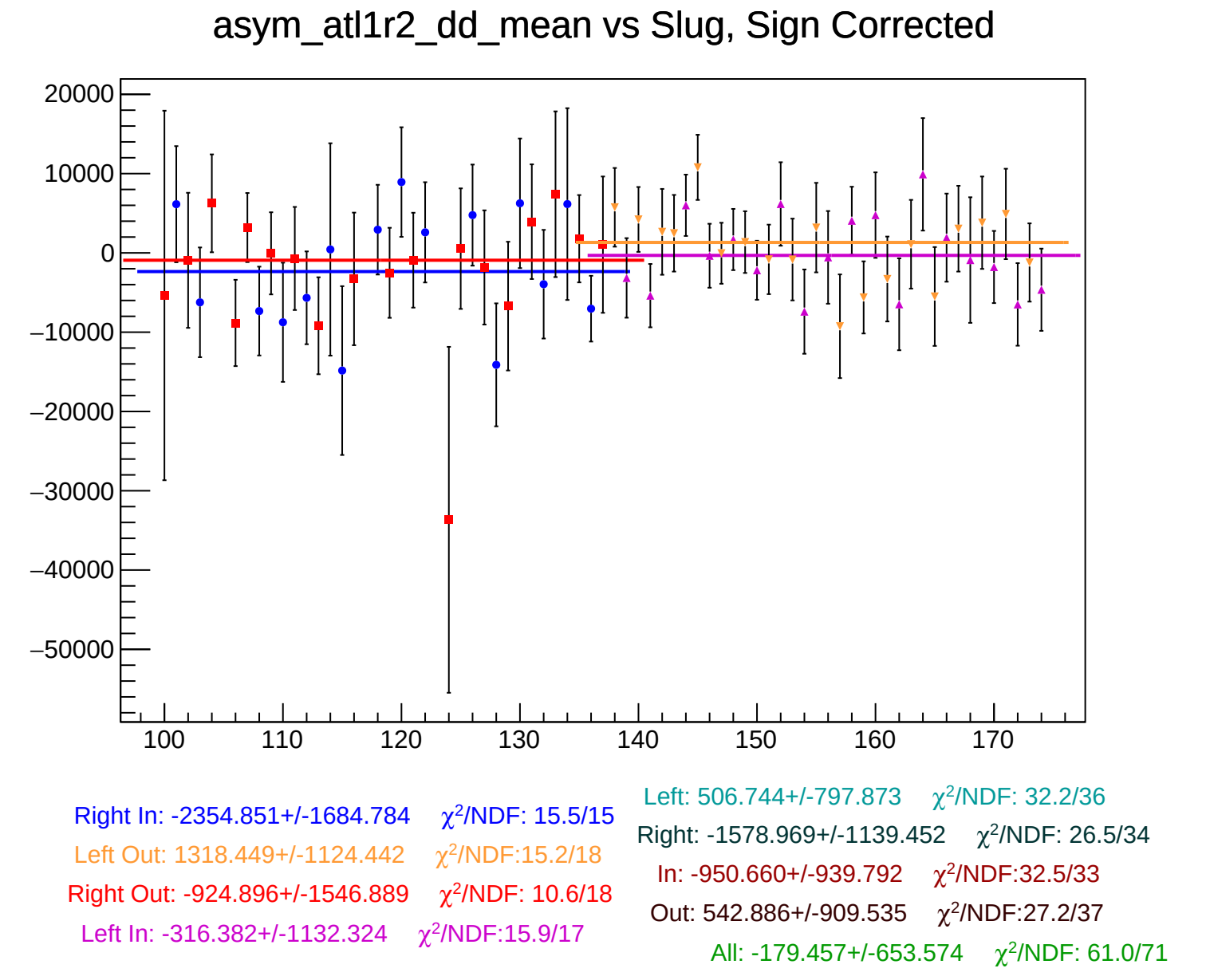
Left: 4079.417+/-0.539 χ^2/NDF: 1908299.2/36

Right: 1536.084+/-0.427 χ^2/NDF: 16351375.7/34

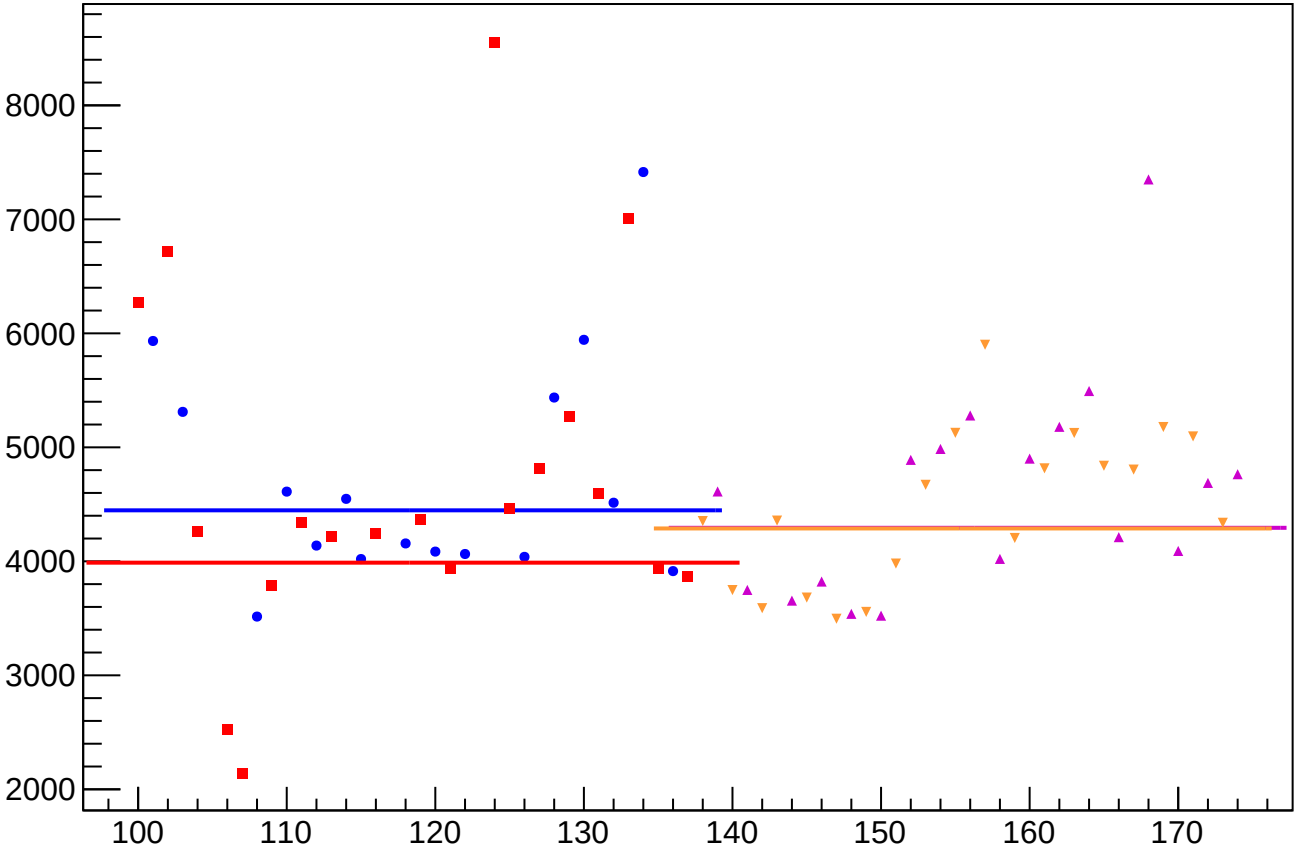
In: 4034.546+/-0.621 χ^2/NDF:1762041.9/33

Out: 1895.209+/-0.397 χ^2/NDF:21757895.4/37

All: 2516.580+/-0.335 χ^2/NDF: 31941742.6/7


asym_atl1r2_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: -2354.851+/-1684.784 χ²/NDF: 15.5/15
Left Out: 1318.449+/-1124.442 χ²/NDF:15.2/18
Right Out: -924.896+/-1546.889 χ²/NDF: 10.6/18
Left In: -316.382+/-1132.324 χ²/NDF:15.9/17
Left: 506.744+/-797.873 χ²/NDF: 32.2/36
Right: -1578.969+/-1139.452 χ²/NDF: 26.5/34
In: -950.660+/-939.792 χ²/NDF:32.5/33
Out: 542.886+/-909.535 χ²/NDF:27.2/37
All: -179.457+/-653.574 χ²/NDF: 61.0/71

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4447.424+/-1.191 χ^2/NDF: 458251.2/15

Left Out: 4288.388+/-0.795 χ^2/NDF:640379.6/18

Right Out: 3988.249+/-1.083 χ^2/NDF: 1143932.4/18

Left In: 4294.051+/-0.801 χ^2/NDF:873104.8/17

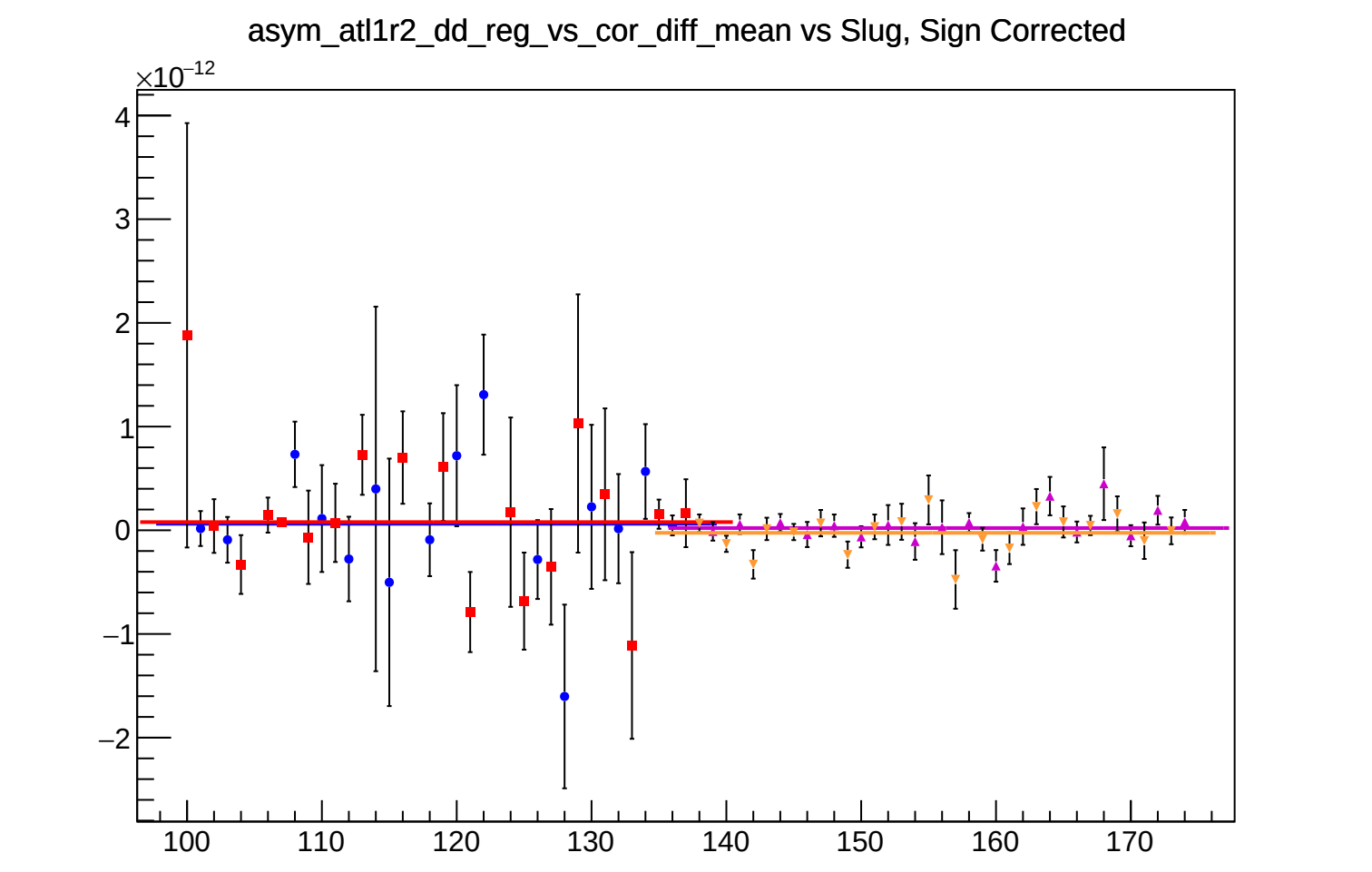
Left: 4291.200+/-0.564 χ^2/NDF: 1513509.5/36

Right: 4196.010+/-0.801 χ^2/NDF: 1683524.5/34

In: 4341.773+/-0.665 χ^2/NDF:1342773.2/33

Out: 4183.268+/-0.641 χ^2/NDF:1834219.7/37

All: 4259.653+/-0.461 χ^2/NDF: 3206468.2/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/18

Left In: 0.000+/-0.000 χ^2/NDF:15.0/17

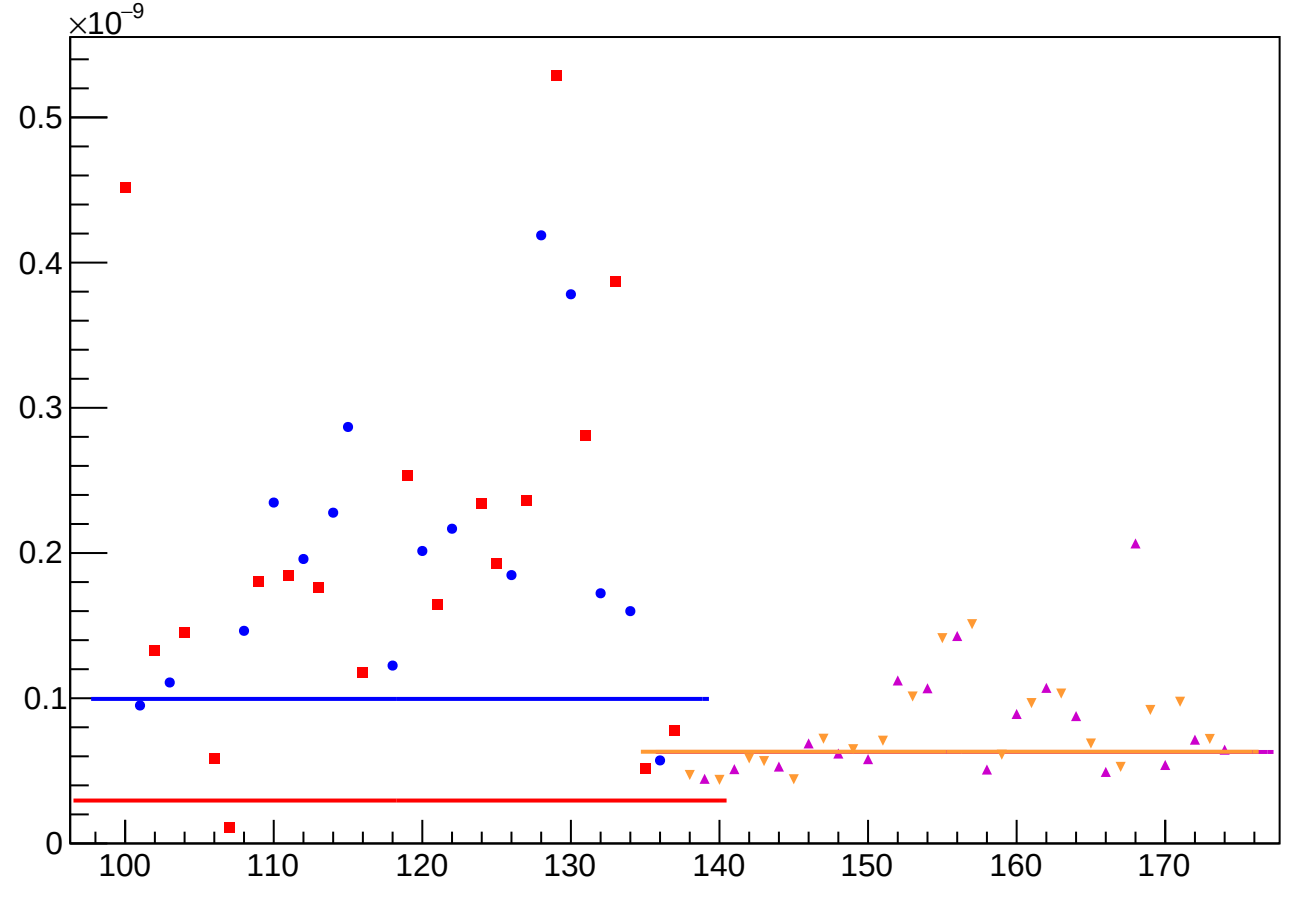
Left: -0.000+/-0.000 χ^2/NDF: 38.6/36

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: 0.000+/-0.000 χ^2/NDF:32.8/33

Out: 0.000+/-0.000 χ^2/NDF:48.0/37

All: 0.000+/-0.000 χ^2/NDF: 80.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 1562904.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1227871.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4363474.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1254540.0/17

Left: 0.000+/-0.000 χ^2/NDF: 2482449.3/36

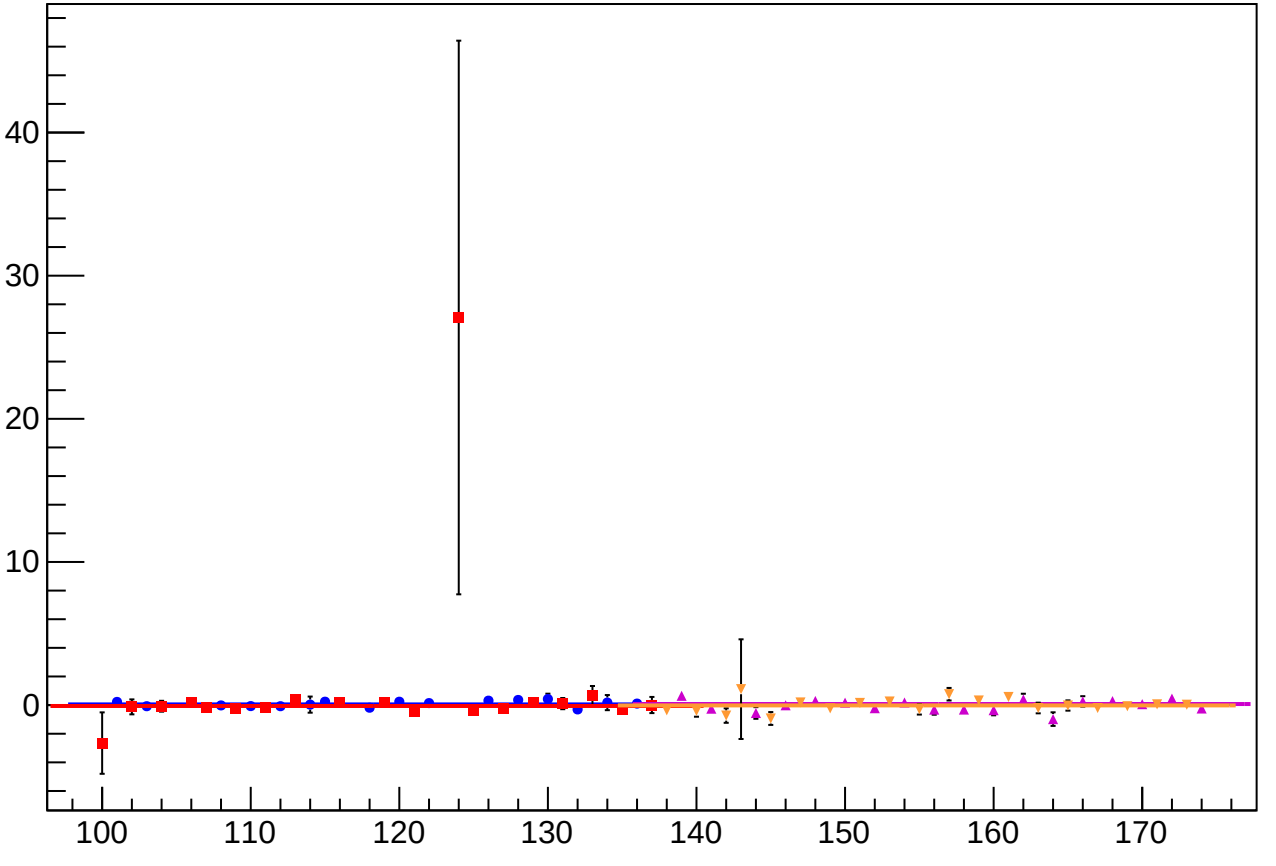
Right: 0.000+/-0.000 χ^2/NDF: 7631581.8/34

In: 0.000+/-0.000 χ^2/NDF:3309330.0/33

Out: 0.000+/-0.000 χ^2/NDF:6799347.0/37

All: 0.000+/-0.000 χ^2/NDF: 10740531.2/71

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

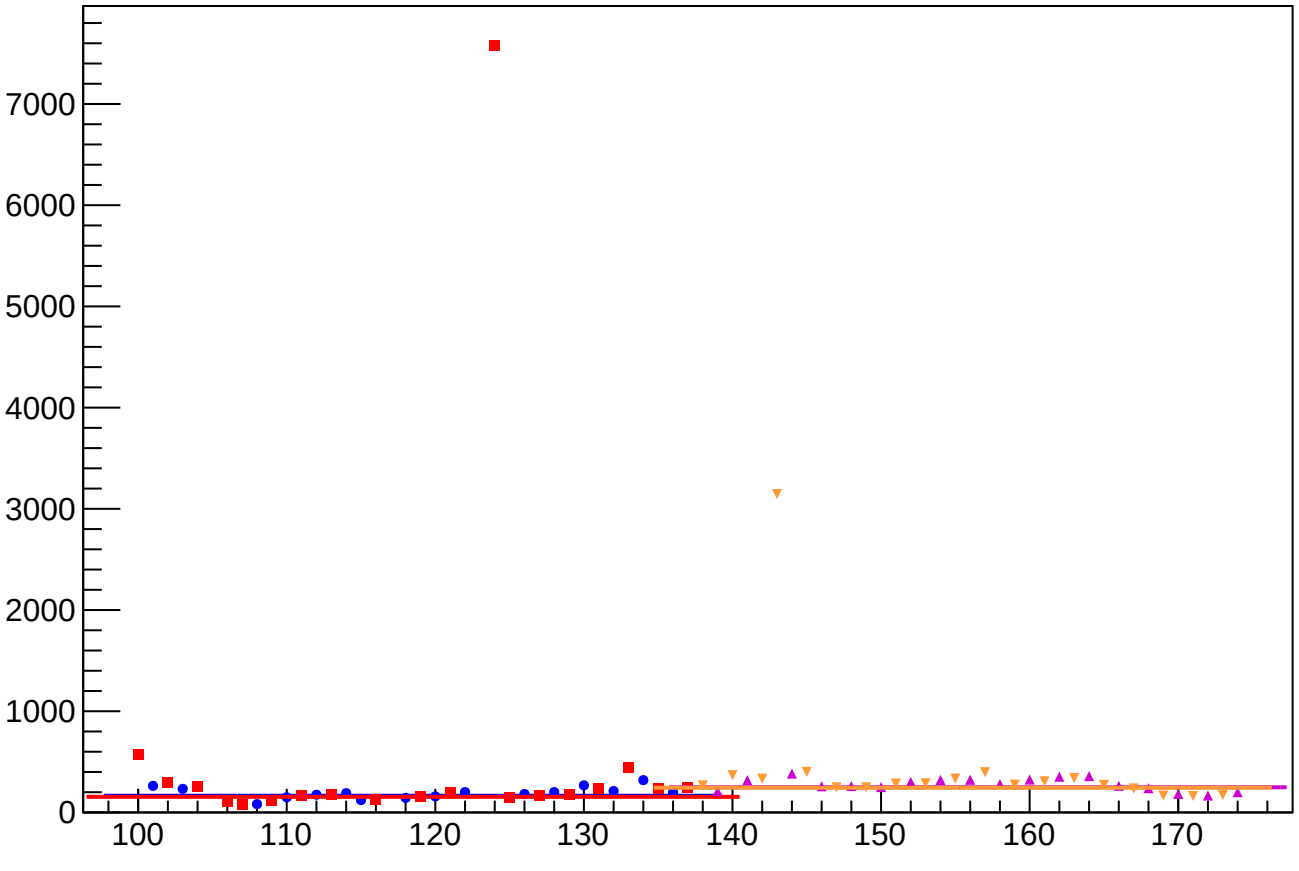
Left: 0.028+/-0.048 χ^2/NDF: 47.9/36

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.009+/-0.033 χ^2/NDF: 75.6/71



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 244.792+/-0.048 χ^2/NDF:3543520.4/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

Left: 246.840+/-0.034 χ^2/NDF: 5173860.8/36

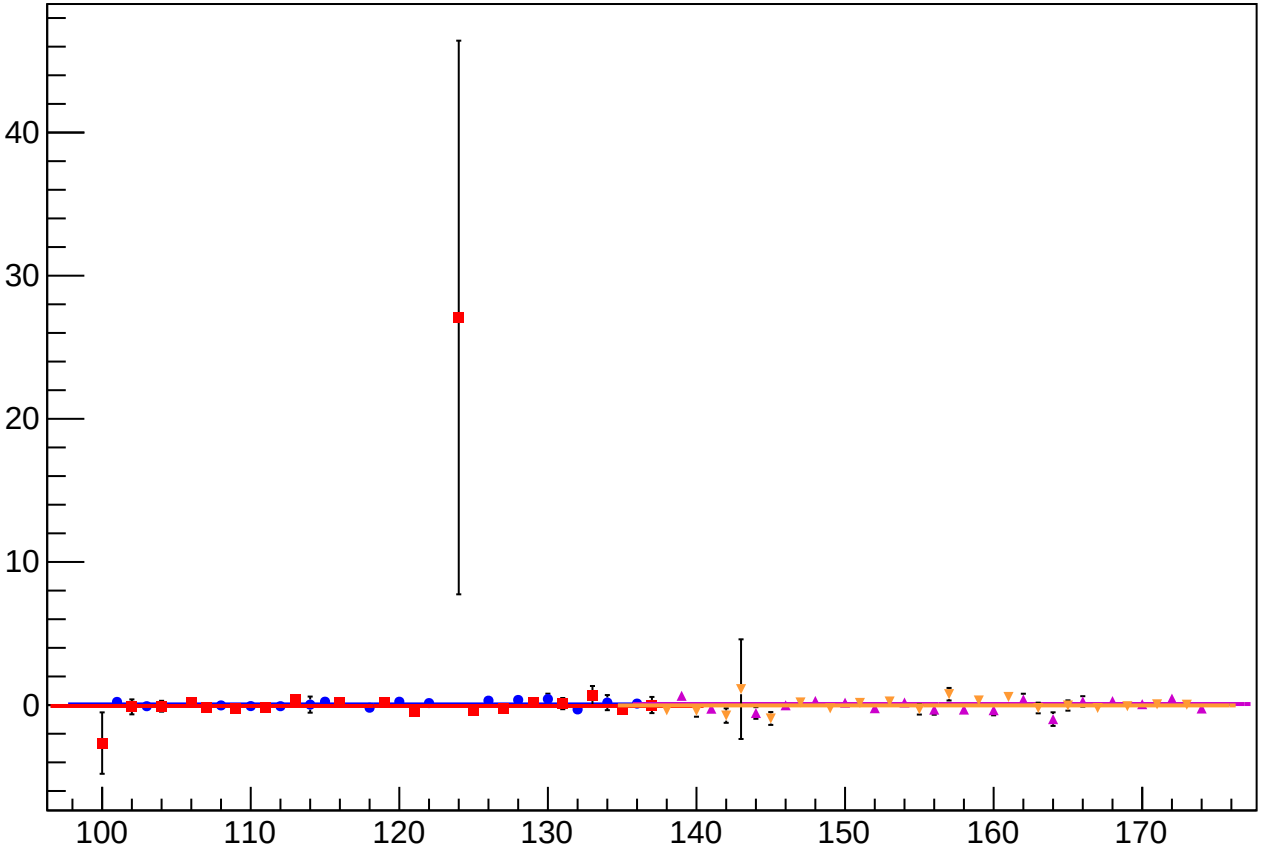
Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.266+/-0.033 χ^2/NDF:4678482.6/33

Out: 197.091+/-0.033 χ^2/NDF:7326344.0/37

All: 201.630+/-0.024 χ^2/NDF: 12042877.2/71

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

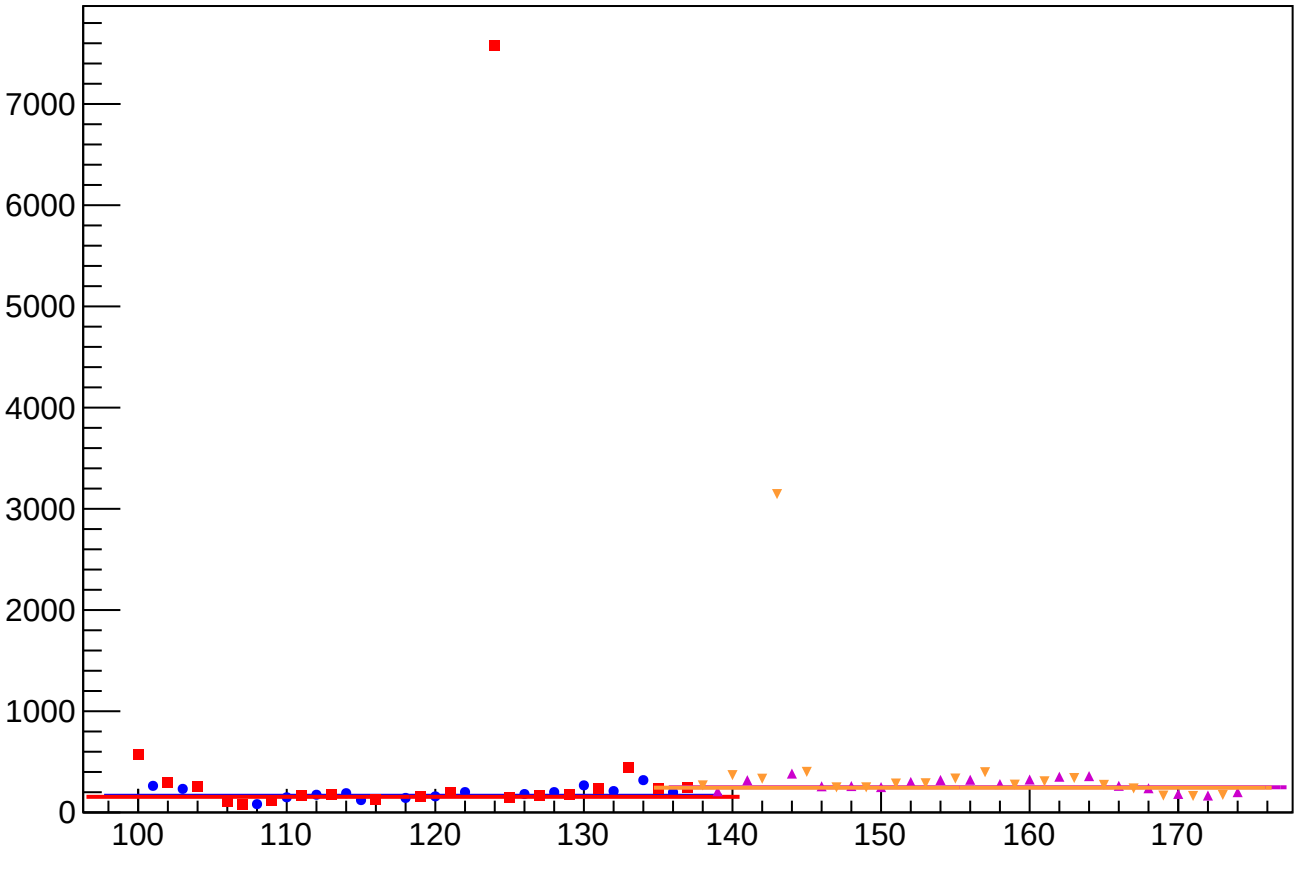
Left: 0.028+/-0.048 χ^2/NDF: 47.9/36

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.009+/-0.033 χ^2/NDF: 75.6/71



Right In: 164.862+/-0.047 χ^2/NDF: 1474718.1/15

Left Out: 244.792+/-0.048 χ^2/NDF:3543520.4/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921322.6/18

Left In: 248.844+/-0.048 χ^2/NDF:1626759.3/17

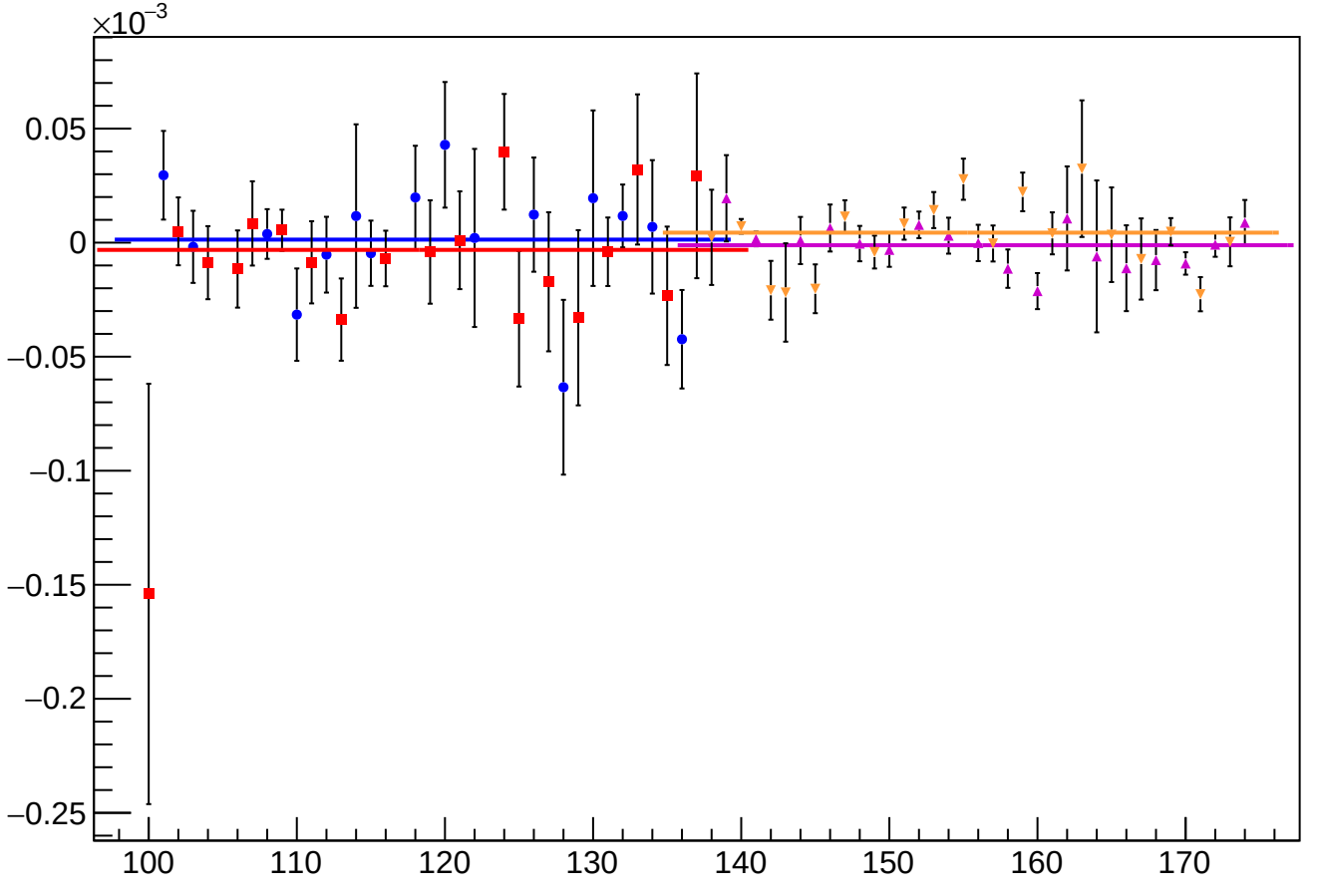
Left: 246.840+/-0.034 χ^2/NDF: 5173860.8/36

Right: 159.465+/-0.033 χ^2/NDF: 3421679.3/34

In: 206.266+/-0.033 χ^2/NDF:4678482.6/33

Out: 197.091+/-0.033 χ^2/NDF:7326344.0/37

All: 201.630+/-0.024 χ^2/NDF: 12042877.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 16.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:41.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/17

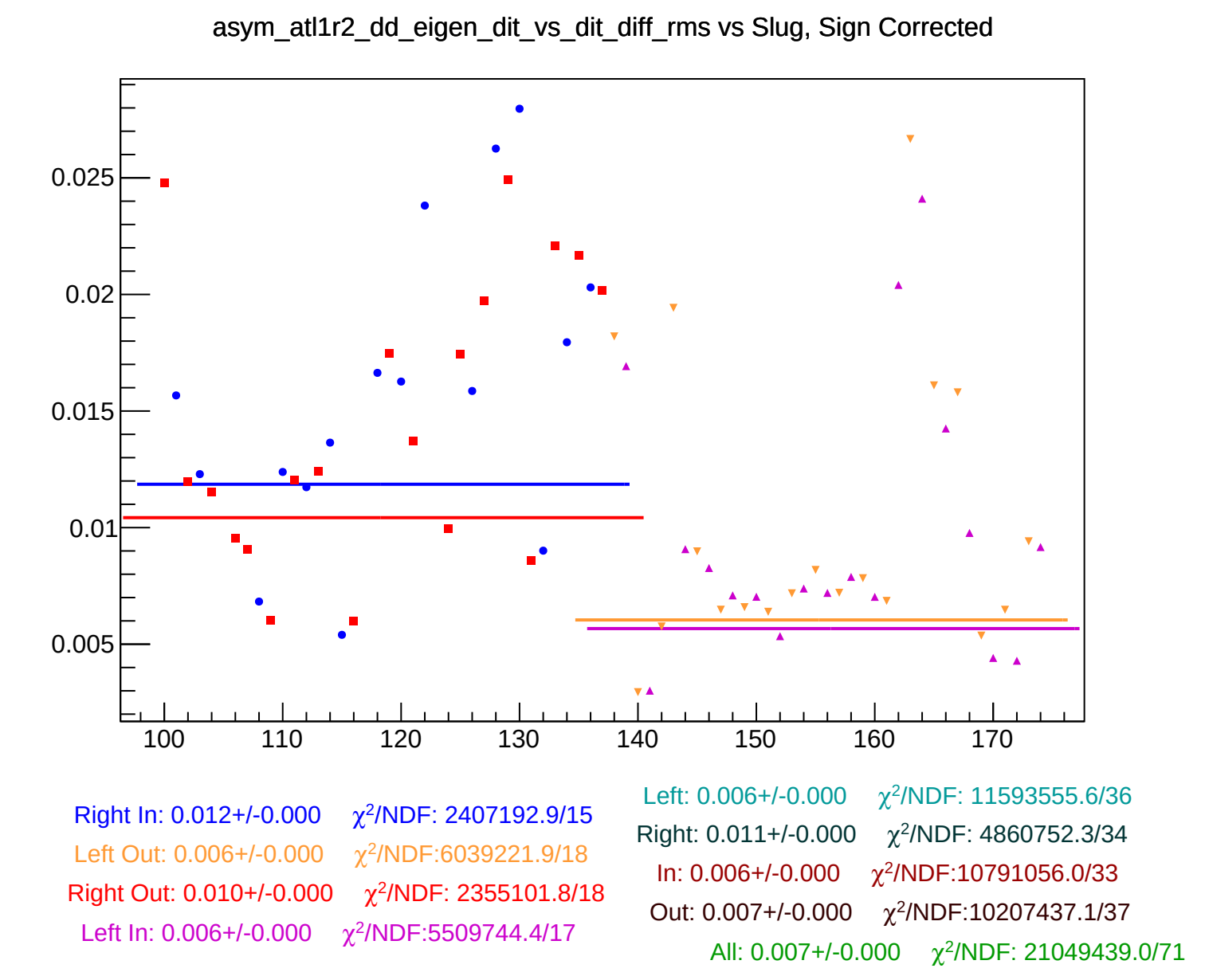
Left: 0.000+/-0.000 χ^2/NDF: 64.2/36

Right: -0.000+/-0.000 χ^2/NDF: 31.2/34

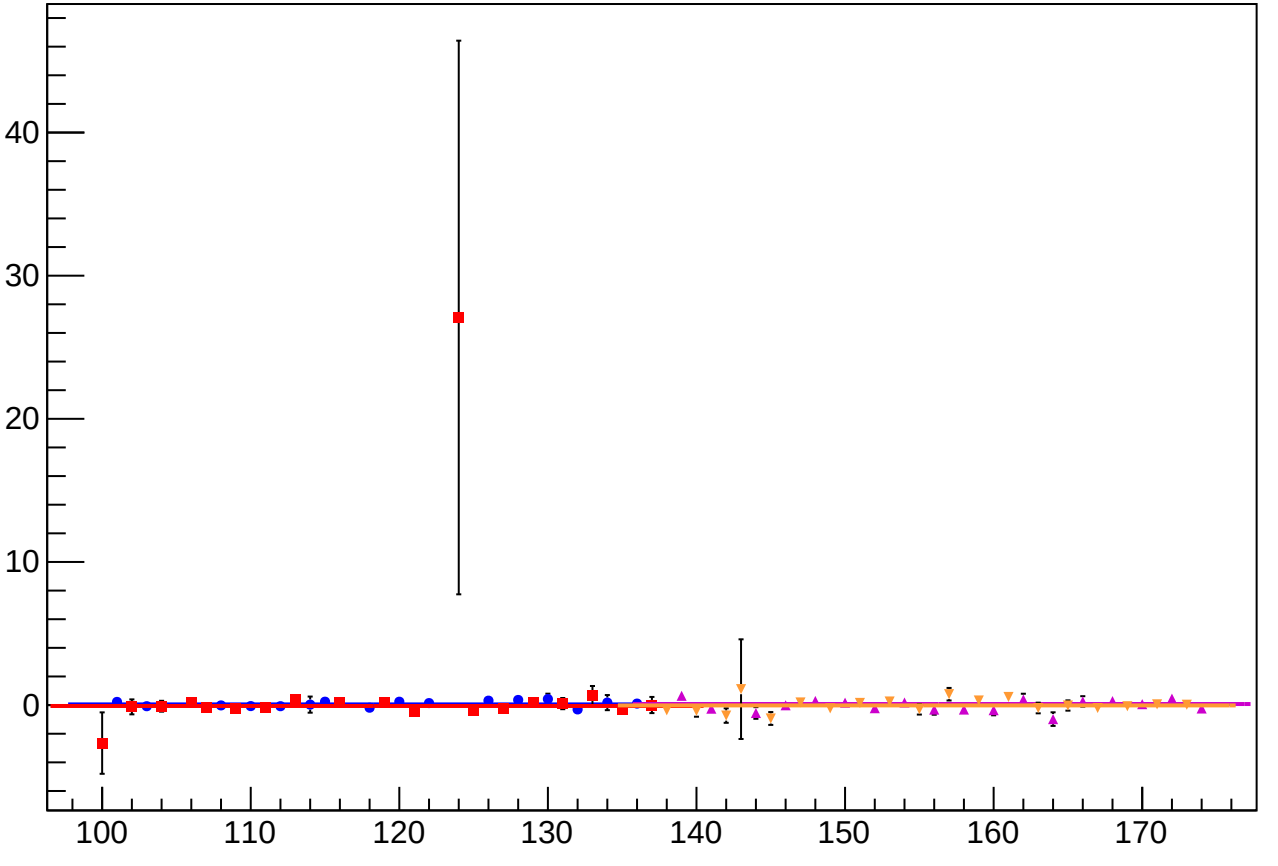
In: -0.000+/-0.000 χ^2/NDF:34.0/33

Out: 0.000+/-0.000 χ^2/NDF:58.9/37

All: 0.000+/-0.000 χ^2/NDF: 96.0/71


asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.012+/-0.000 χ²/NDF: 2407192.9/15
Left Out: 0.006+/-0.000 χ²/NDF:6039221.9/18
Right Out: 0.010+/-0.000 χ²/NDF: 2355101.8/18
Left In: 0.006+/-0.000 χ²/NDF:5509744.4/17
Left: 0.006+/-0.000 χ²/NDF: 11593555.6/36
Right: 0.011+/-0.000 χ²/NDF: 4860752.3/34
In: 0.006+/-0.000 χ²/NDF:10791056.0/33
Out: 0.007+/-0.000 χ²/NDF:10207437.1/37
All: 0.007+/-0.000 χ²/NDF: 21049439.0/71

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

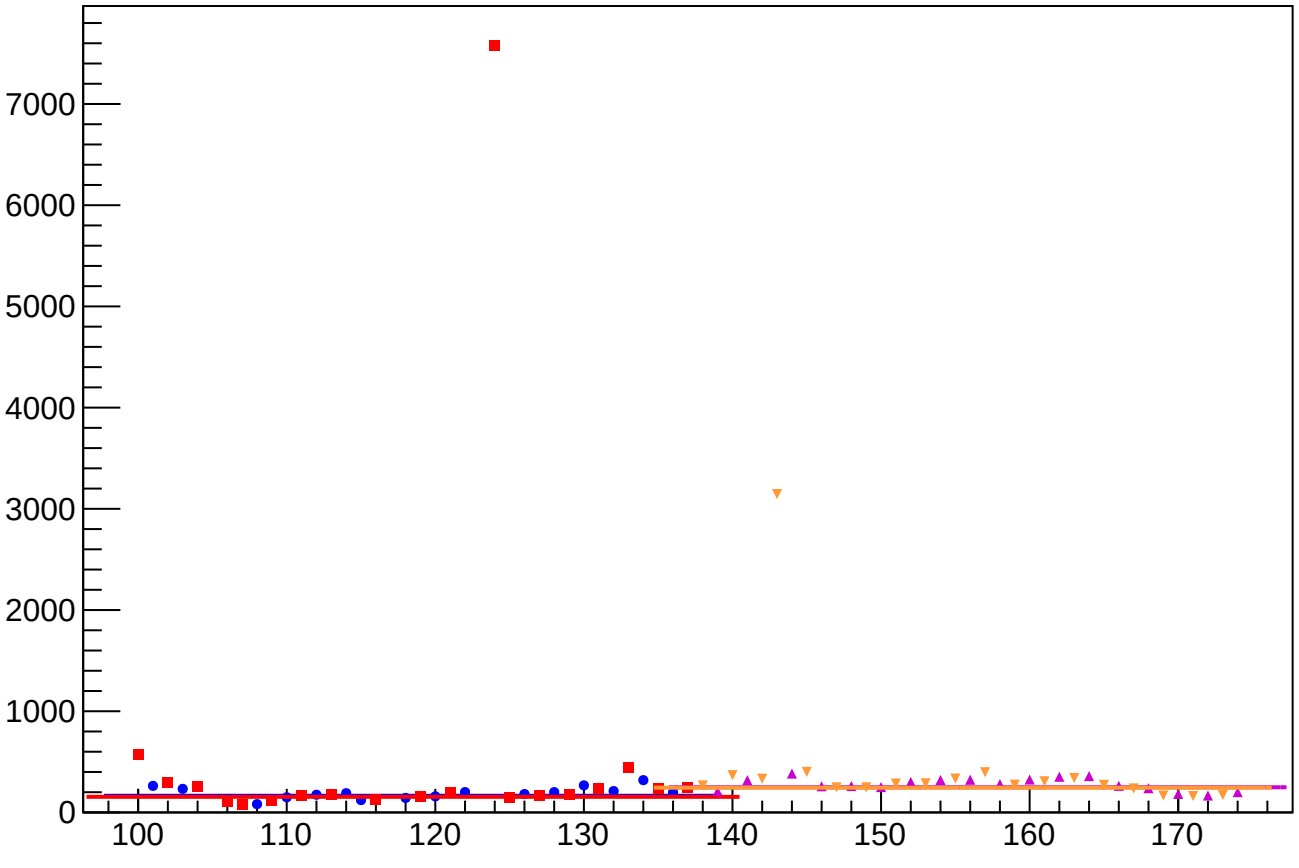
Left: 0.028+/-0.048 χ^2/NDF: 47.9/36

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.009+/-0.033 χ^2/NDF: 75.6/71



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 244.793+/-0.048 χ^2/NDF:3543640.8/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

Left: 246.841+/-0.034 χ^2/NDF: 5174028.2/36

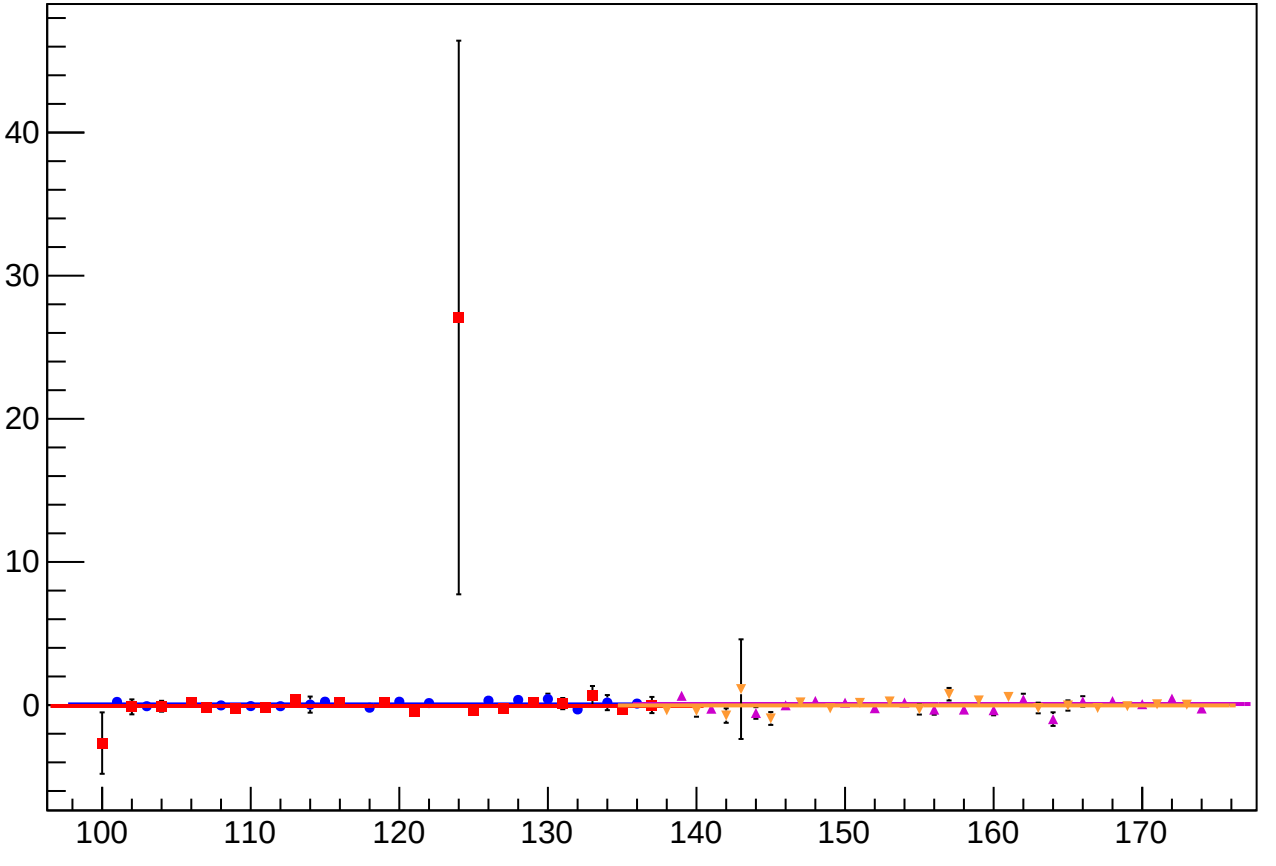
Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.266+/-0.033 χ^2/NDF:4678592.0/33

Out: 197.091+/-0.033 χ^2/NDF:7326535.8/37

All: 201.630+/-0.024 χ^2/NDF: 12043182.5/71

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.066 χ^2/NDF: 7.6/15

Left Out: -0.021+/-0.068 χ^2/NDF:19.5/18

Right Out: -0.061+/-0.064 χ^2/NDF: 18.4/18

Left In: 0.075+/-0.067 χ^2/NDF:27.3/17

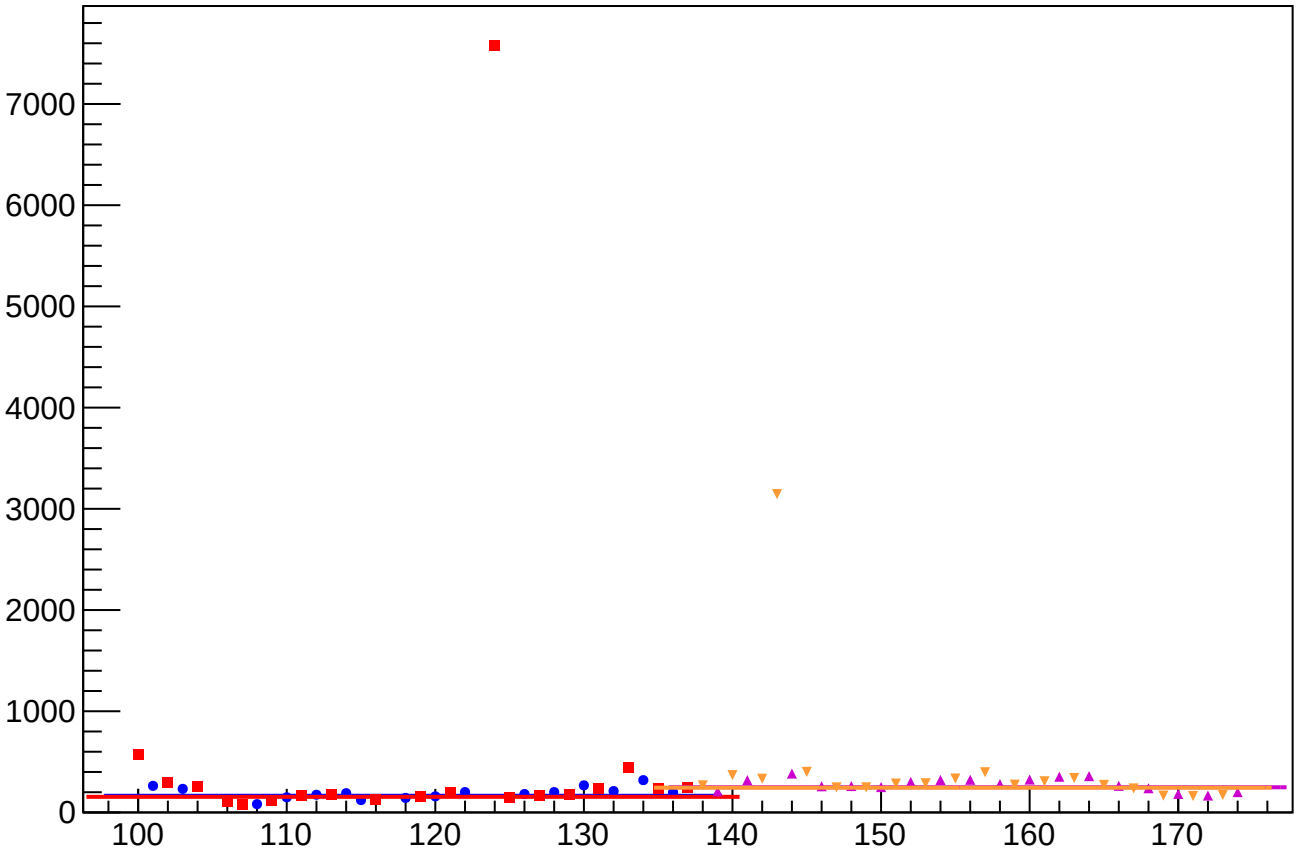
Left: 0.028+/-0.048 χ^2/NDF: 47.9/36

Right: -0.008+/-0.046 χ^2/NDF: 27.4/34

In: 0.062+/-0.047 χ^2/NDF:35.0/33

Out: -0.042+/-0.047 χ^2/NDF:38.1/37

All: 0.009+/-0.033 χ^2/NDF: 75.6/71



Right In: 164.862+/-0.047 χ^2/NDF: 1474692.6/15

Left Out: 244.793+/-0.048 χ^2/NDF:3543640.8/18

Right Out: 154.388+/-0.046 χ^2/NDF: 1921346.3/18

Left In: 248.846+/-0.048 χ^2/NDF:1626804.0/17

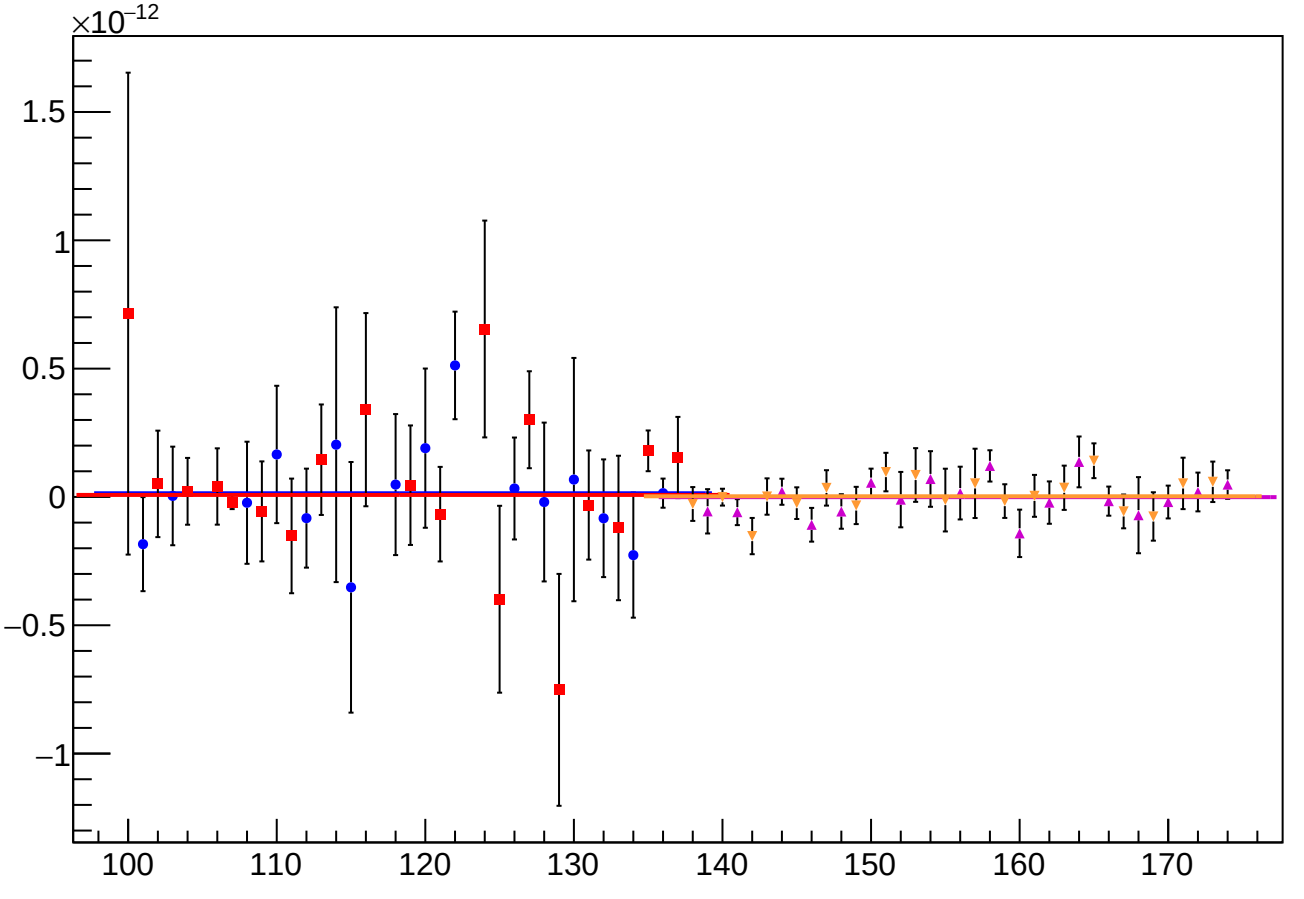
Left: 246.841+/-0.034 χ^2/NDF: 5174028.2/36

Right: 159.464+/-0.033 χ^2/NDF: 3421678.1/34

In: 206.266+/-0.033 χ^2/NDF:4678592.0/33

Out: 197.091+/-0.033 χ^2/NDF:7326535.8/37

All: 201.630+/-0.024 χ^2/NDF: 12043182.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.3/17

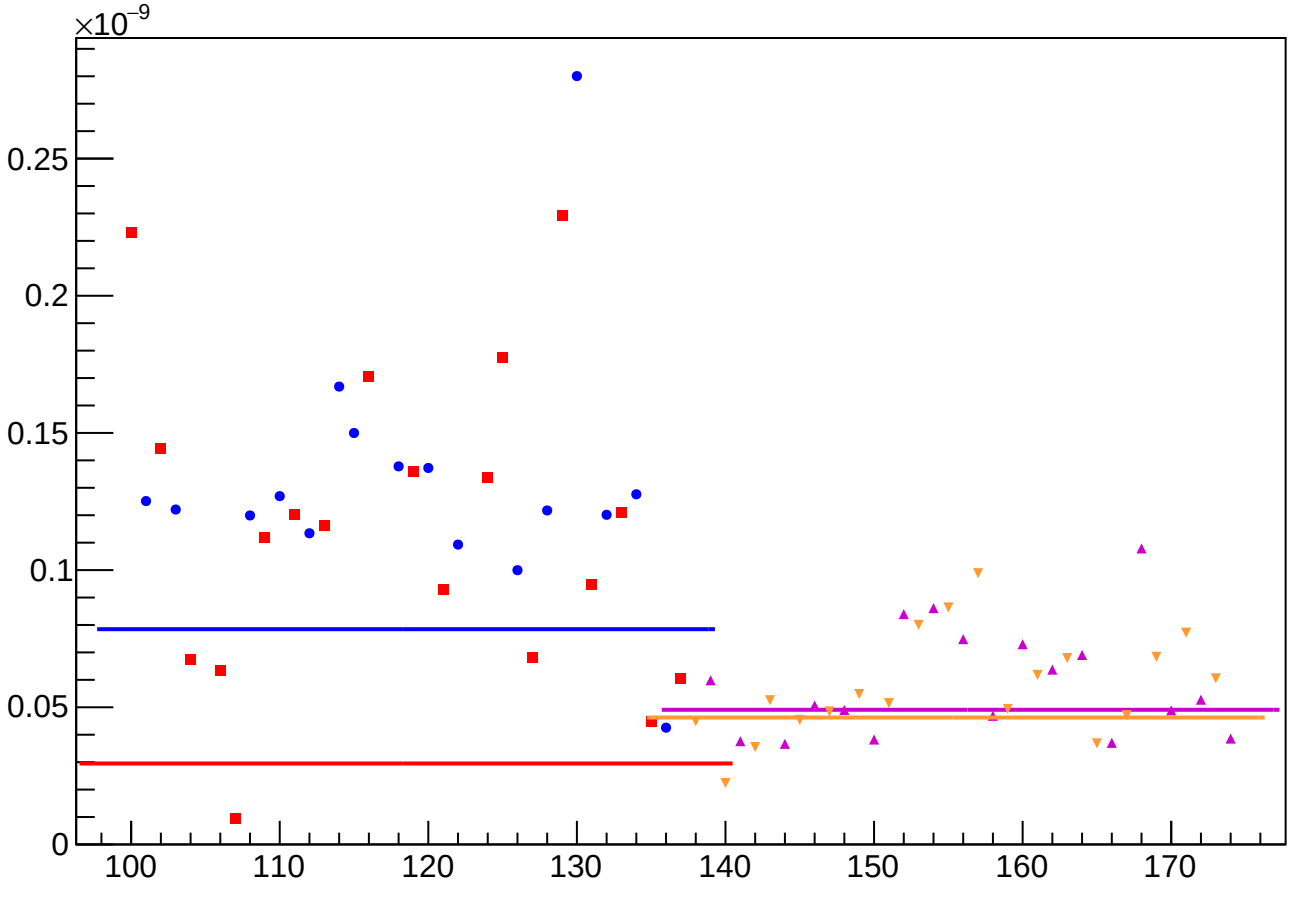
Left: 0.000+/-0.000 χ^2/NDF: 31.1/36

Right: 0.000+/-0.000 χ^2/NDF: 28.0/34

In: 0.000+/-0.000 χ^2/NDF:26.1/33

Out: 0.000+/-0.000 χ^2/NDF:33.1/37

All: 0.000+/-0.000 χ^2/NDF: 59.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 2103056.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2499836.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 5487361.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1662065.1/17

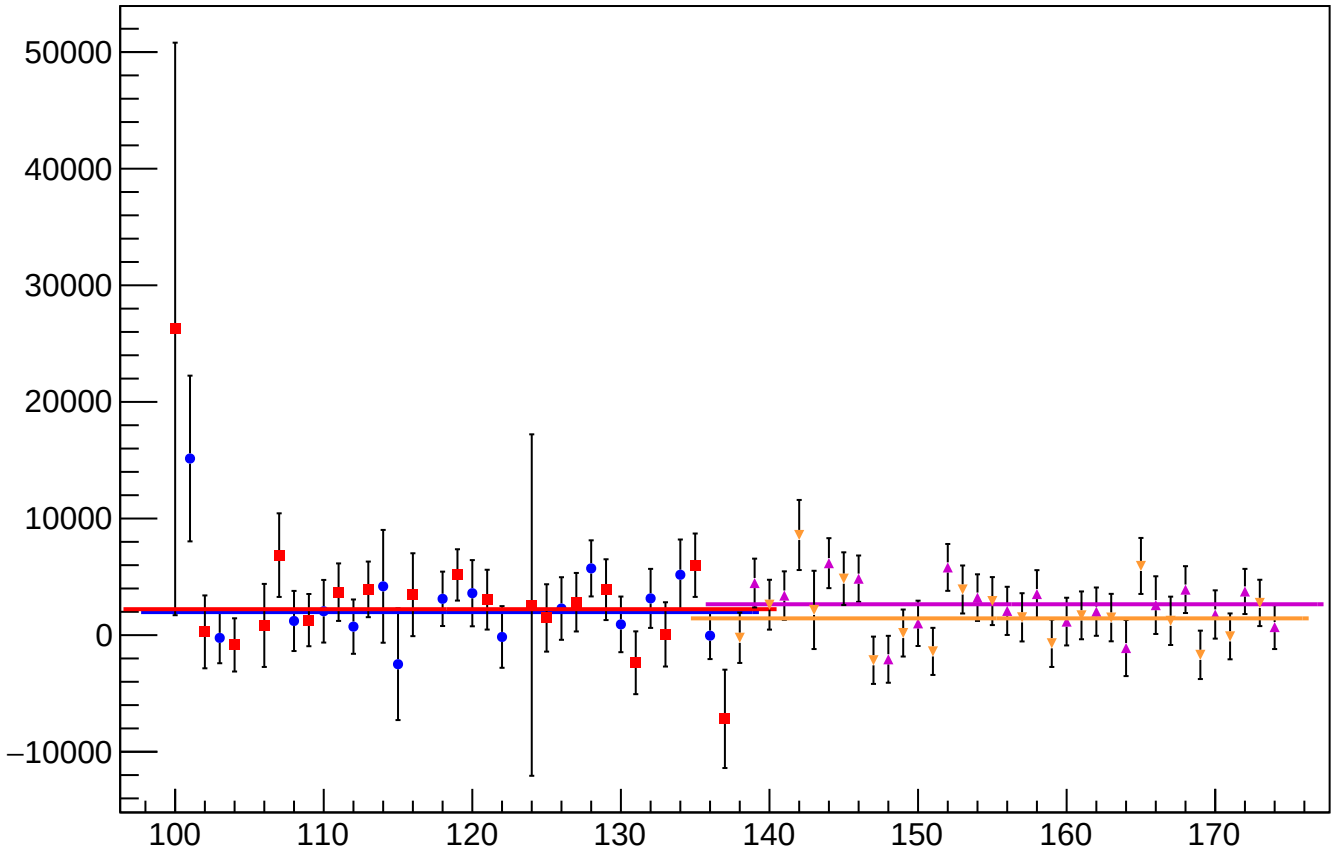
Left: 0.000+/-0.000 χ^2/NDF: 4192365.9/36

Right: 0.000+/-0.000 χ^2/NDF: 9651358.8/34

In: 0.000+/-0.000 χ^2/NDF:4599120.2/33

Out: 0.000+/-0.000 χ^2/NDF:8707017.0/37

All: 0.000+/-0.000 χ^2/NDF: 14027777.5/71



Right In: 1976.299+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1438.382+/-491.388 χ^2/NDF:24.3/18

Right Out: 2226.171+/-656.286 χ^2/NDF: 19.0/18

Left In: 2648.112+/-484.994 χ^2/NDF:18.9/17

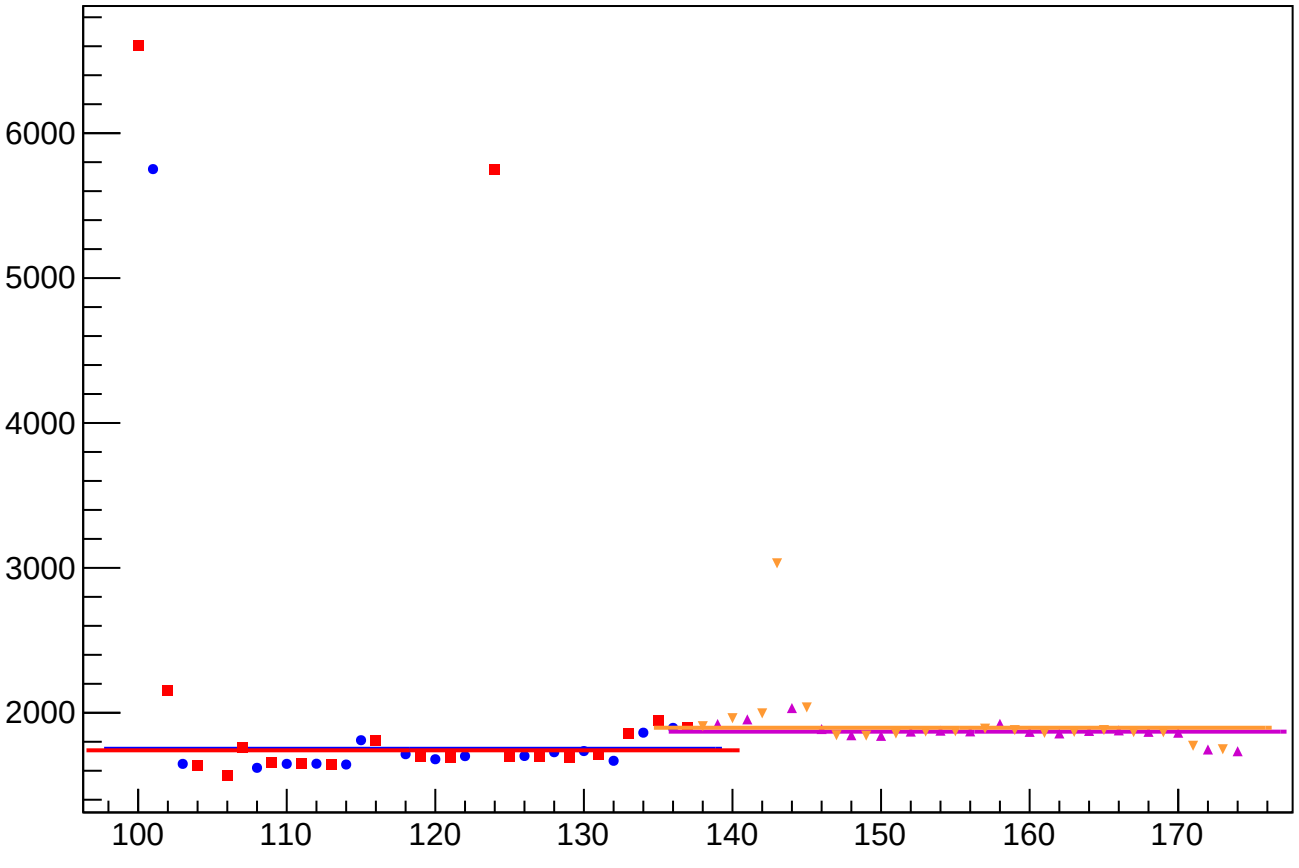
Left: 2051.169+/-345.181 χ^2/NDF: 46.2/36

Right: 2103.390+/-468.051 χ^2/NDF: 31.2/34

In: 2416.085+/-392.403 χ^2/NDF:31.6/33

Out: 1721.376+/-393.348 χ^2/NDF:44.2/37

All: 2069.565+/-277.804 χ^2/NDF: 77.4/71



Right In: 1751.607+/-0.472 χ^2/NDF: 670651.4/15

Left Out: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1741.052+/-0.461 χ^2/NDF: 304655.0/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

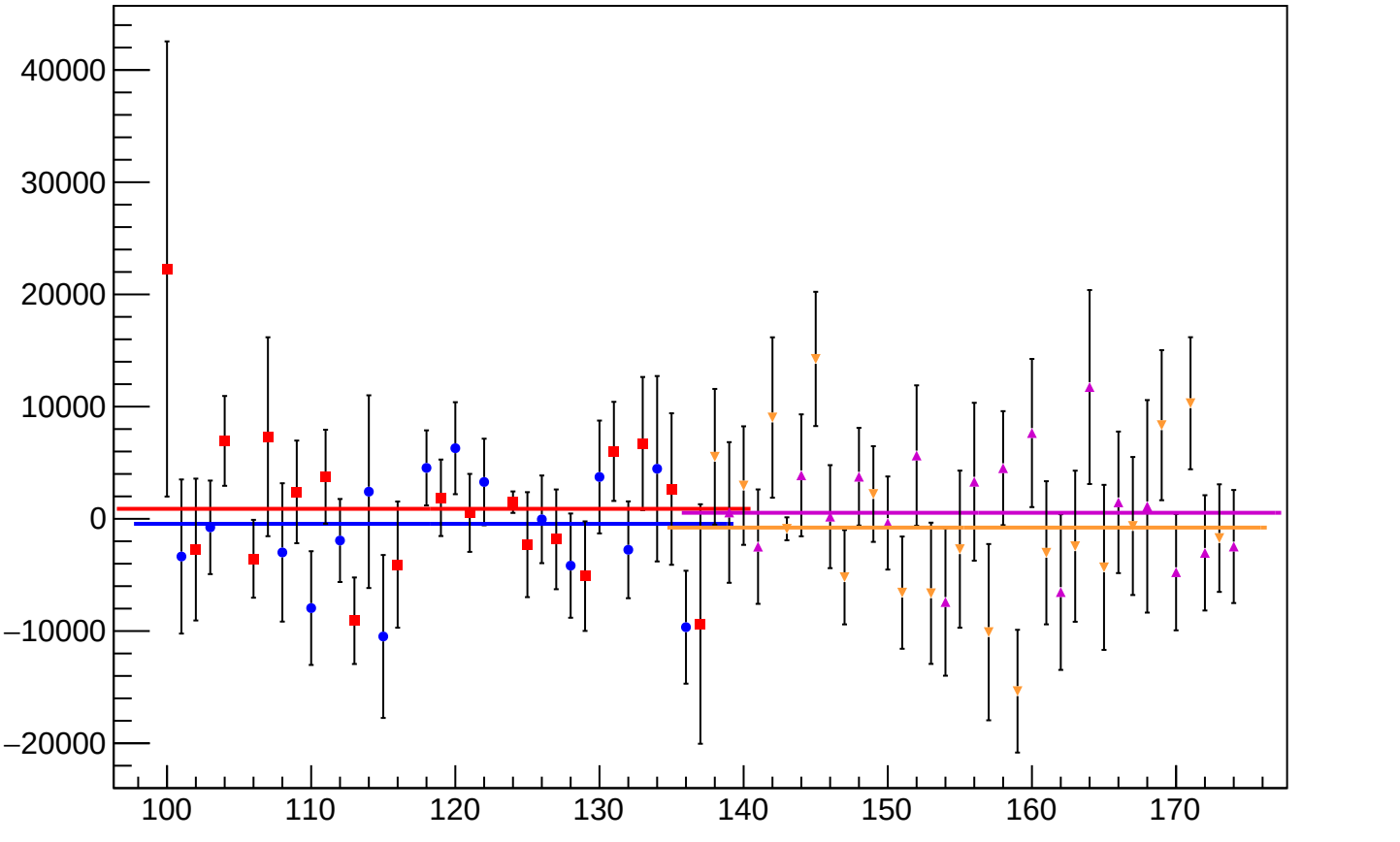
Left: 1883.093+/-0.244 χ^2/NDF: 306048.7/36

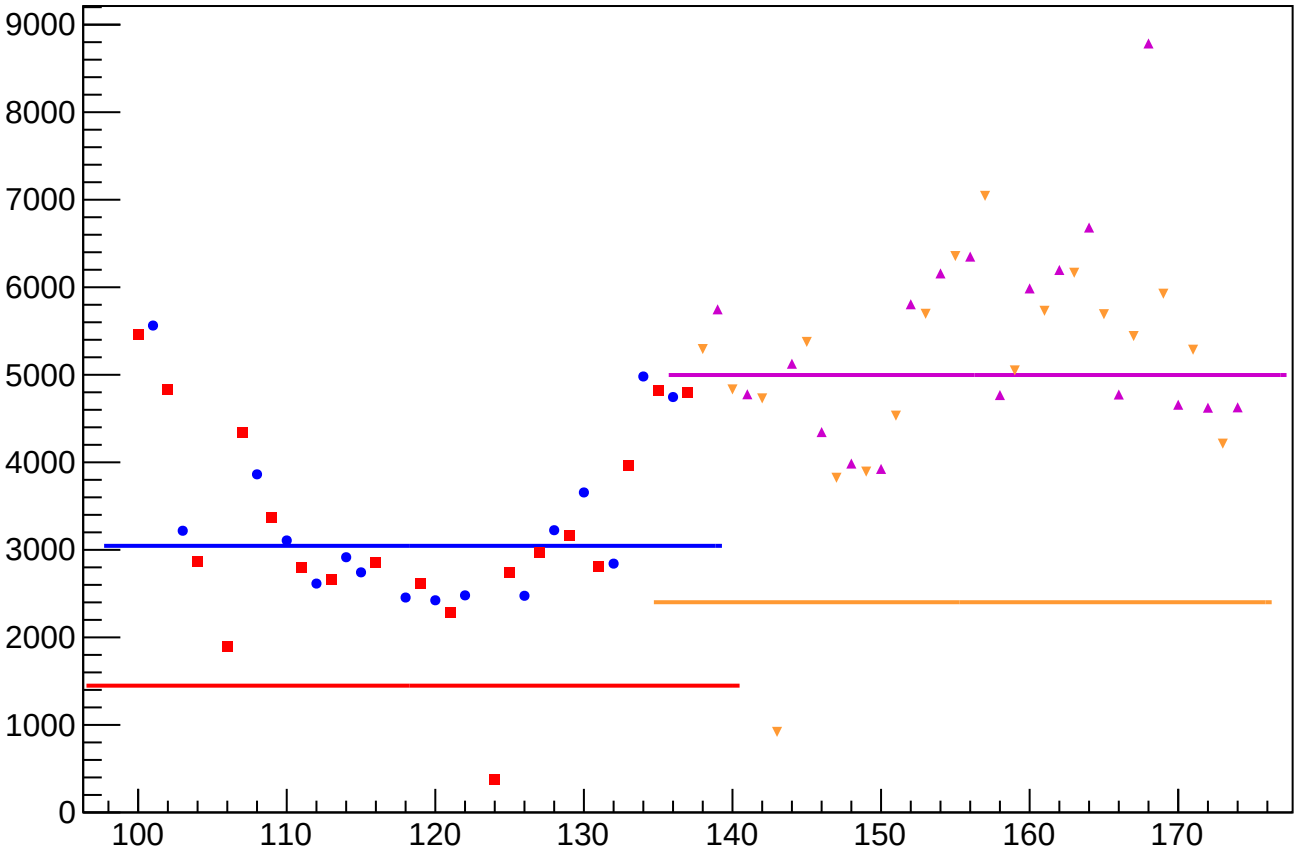
Right: 1746.199+/-0.330 χ^2/NDF: 975562.4/34

In: 1828.955+/-0.277 χ^2/NDF:748614.2/33

Out: 1840.306+/-0.277 χ^2/NDF:643515.4/37

All: 1834.632+/-0.196 χ^2/NDF: 1392966.7/71


asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -444.273+/-1174.448 χ²/NDF: 15.9/15
Left Out: -778.627+/-816.370 χ²/NDF:28.1/18
Right Out: 892.237+/-725.737 χ²/NDF: 20.1/18
Left In: 538.530+/-1322.480 χ²/NDF:10.0/17
Left: -415.198+/-694.673 χ²/NDF: 38.8/36
Right: 522.917+/-617.375 χ²/NDF: 36.9/34
In: -10.934+/-878.153 χ²/NDF:26.3/33
Out: 154.667+/-542.398 χ²/NDF:50.5/37
All: 108.937+/-461.469 χ²/NDF: 76.8/71



Right In: 3045.917+/-0.830 χ^2/NDF: 907385.5/15

Left Out: 2401.753+/-0.577 χ^2/NDF:12357756.4/18

Right Out: 1448.519+/-0.513 χ^2/NDF: 6786925.8/18

Left In: 4997.531+/-0.935 χ^2/NDF:1022660.2/17

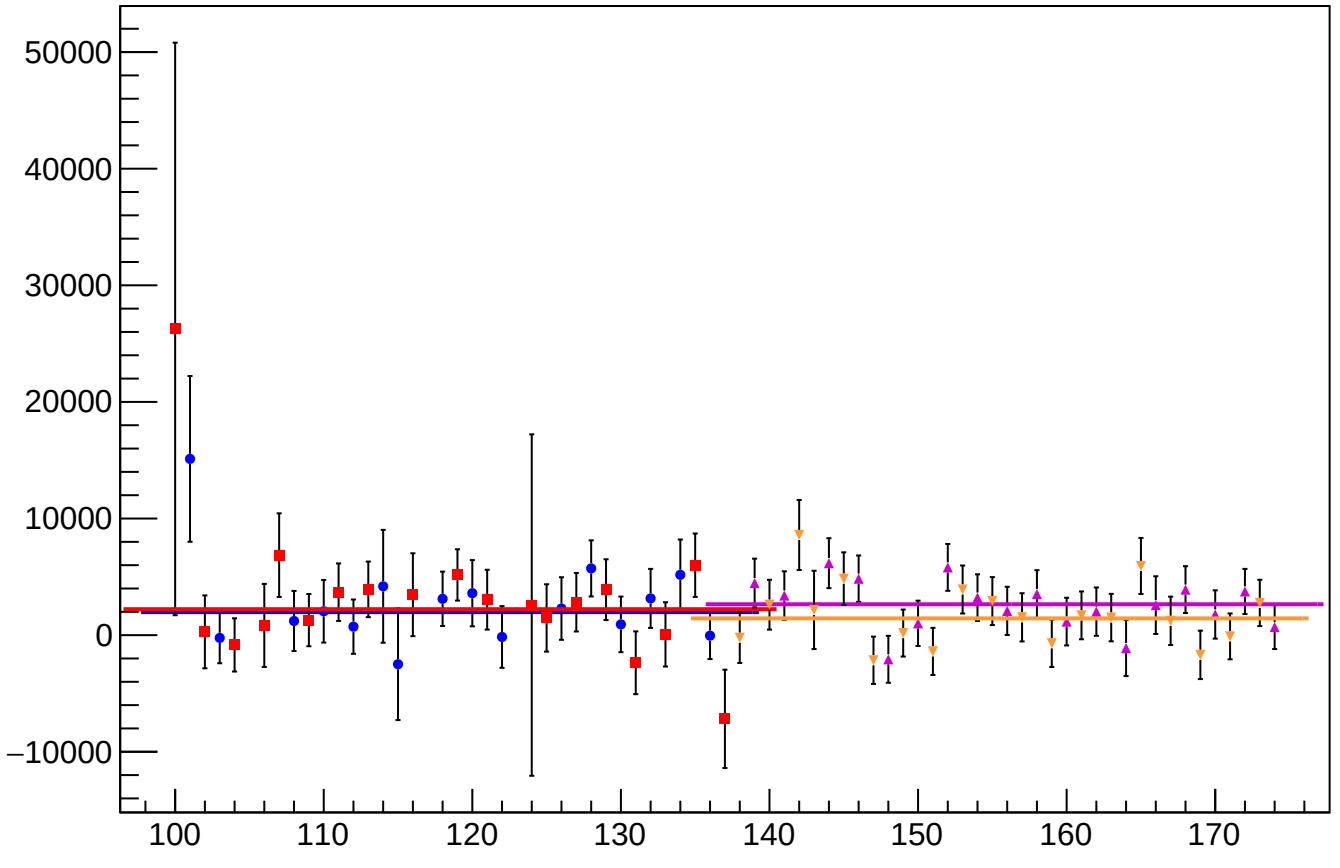
Left: 3117.978+/-0.491 χ^2/NDF: 18959638.3/36

Right: 1889.931+/-0.437 χ^2/NDF: 10371803.4/34

In: 3906.427+/-0.621 χ^2/NDF:4365116.8/33

Out: 1869.305+/-0.384 χ^2/NDF:20667795.1/37

All: 2431.856+/-0.326 χ^2/NDF: 32823540.1/



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1438.384+/-491.388 χ^2/NDF:24.3/18

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2648.169+/-484.994 χ^2/NDF:18.9/17

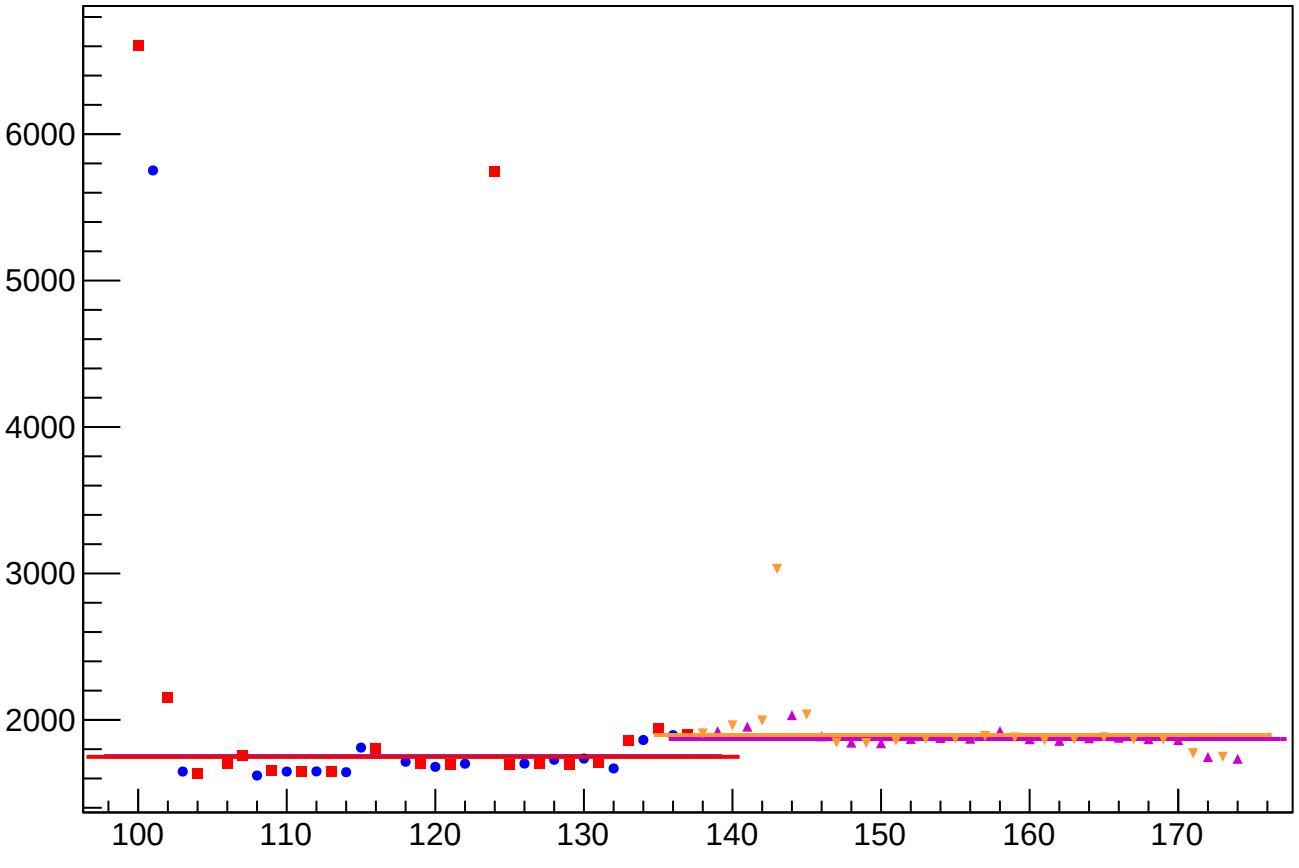
Left: 2051.198+/-345.181 χ^2/NDF: 46.2/36

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2416.000+/-392.403 χ^2/NDF:31.6/33

Out: 1721.411+/-393.348 χ^2/NDF:44.2/37

All: 2069.541+/-277.804 χ^2/NDF: 77.4/71



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

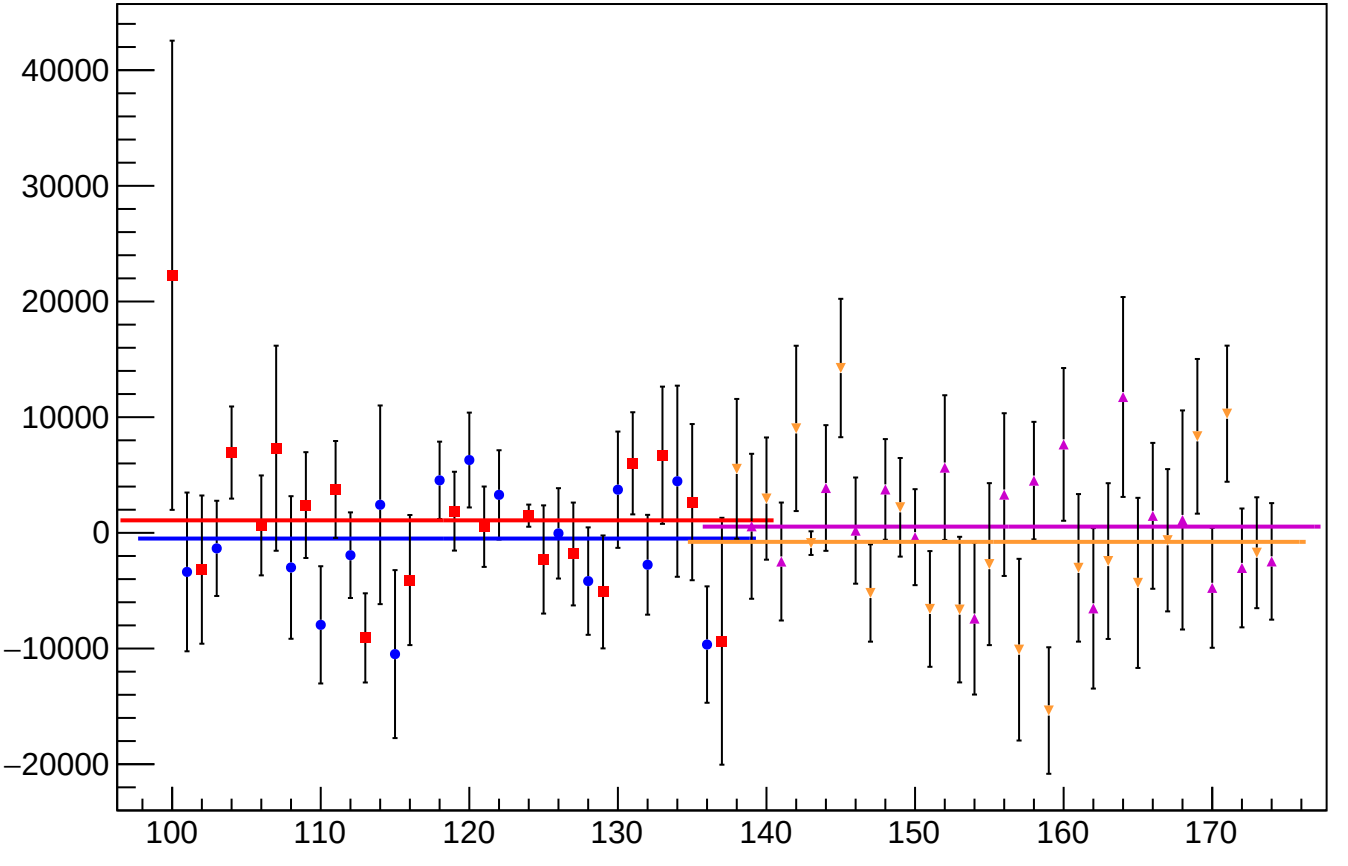
Left: 1883.093+/-0.244 χ^2/NDF: 306048.7/36

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.955+/-0.277 χ^2/NDF:748614.7/33

Out: 1842.998+/-0.278 χ^2/NDF:630306.4/37

All: 1835.969+/-0.196 χ^2/NDF: 1380200.4/71



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -778.473+/-816.349 χ^2/NDF:28.1/18

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 538.606+/-1322.480 χ^2/NDF:10.0/17

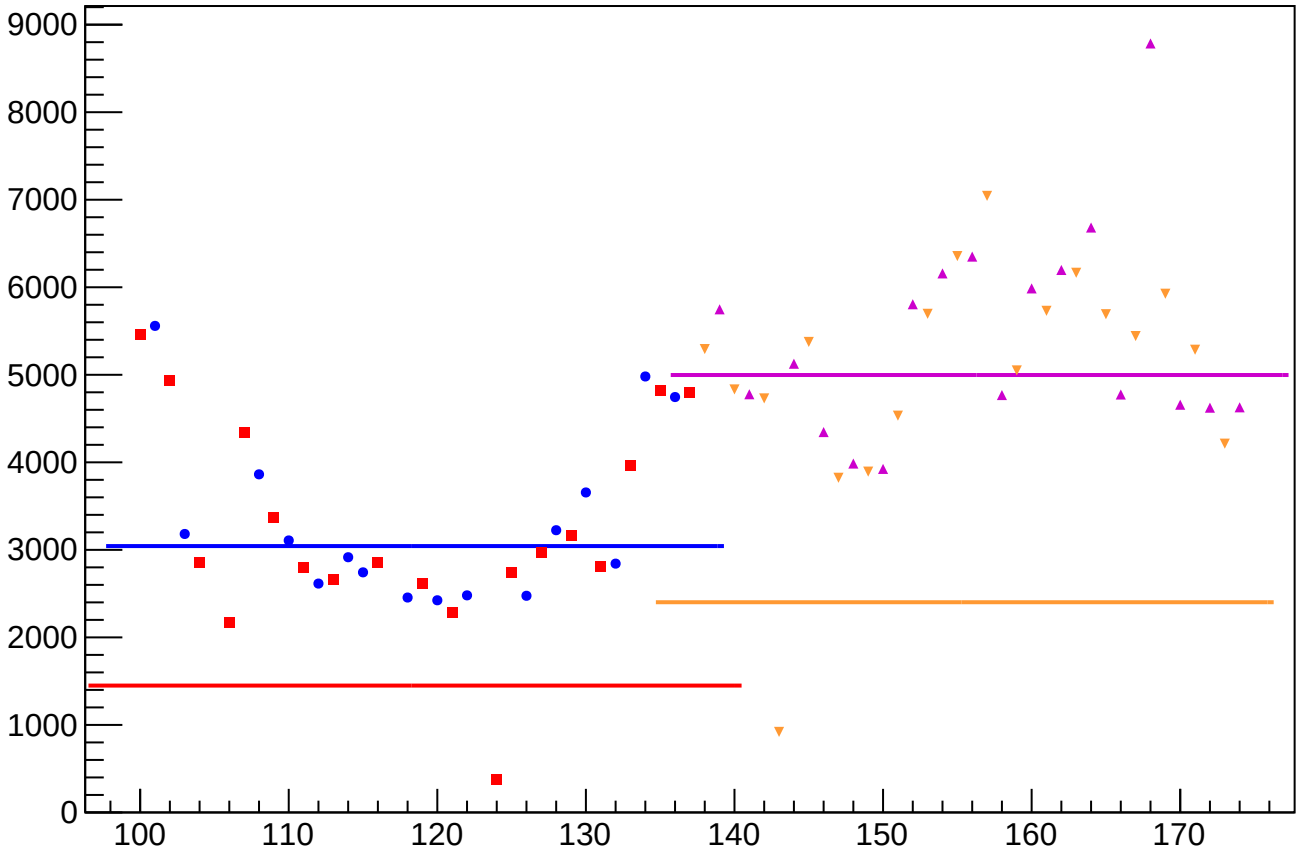
Left: -415.079+/-694.660 χ^2/NDF: 38.8/36

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -38.619+/-877.647 χ^2/NDF:26.3/33

Out: 252.900+/-544.767 χ^2/NDF:49.4/37

All: 171.820+/-462.851 χ^2/NDF: 75.8/71



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2401.651+/-0.577 χ^2/NDF:12358314.4/18

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

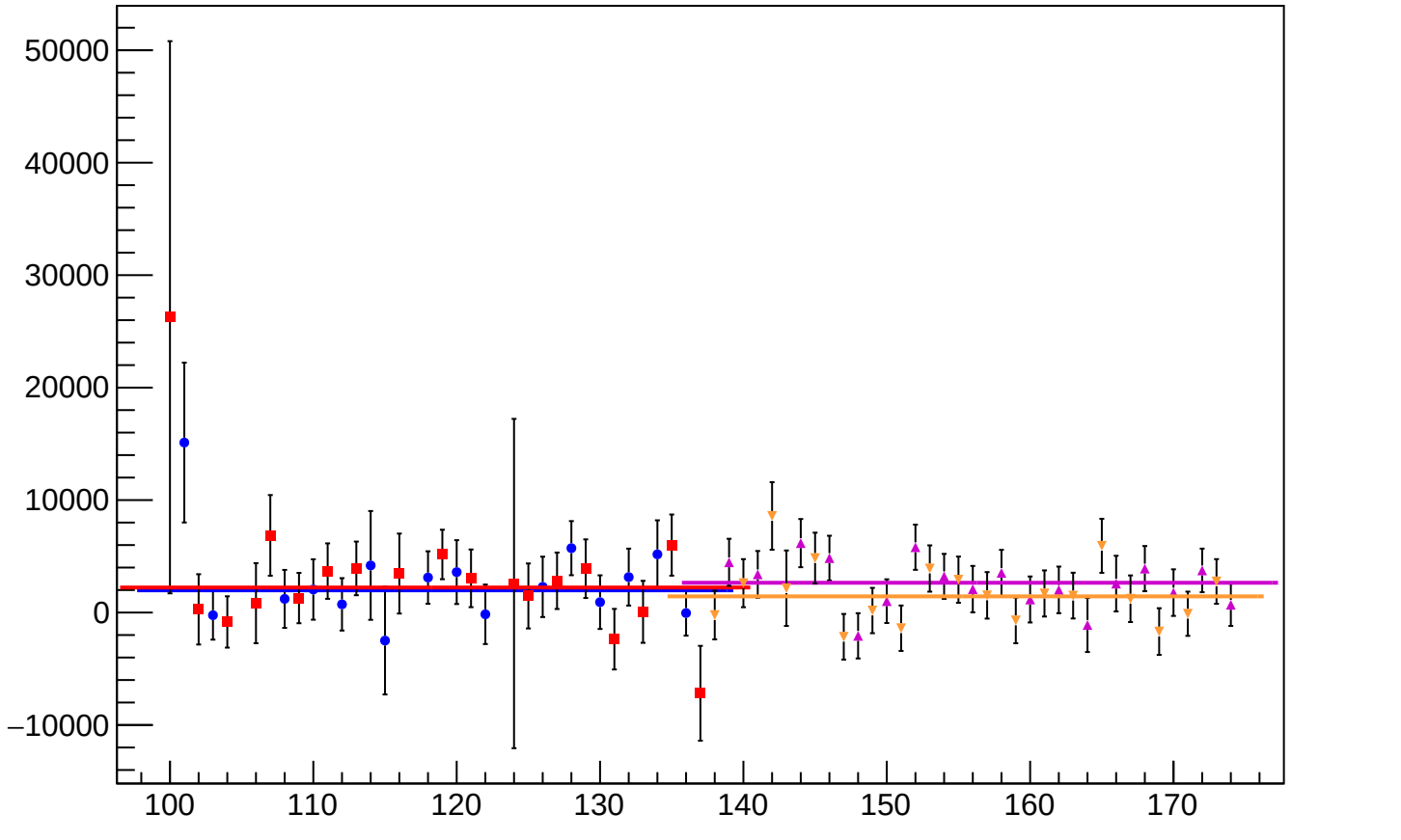
Left: 3117.878+/-0.491 χ^2/NDF: 18960711.9/36

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3903.954+/-0.621 χ^2/NDF:4372218.2/33

Out: 1873.520+/-0.385 χ^2/NDF:20693136.5/37

All: 2438.239+/-0.327 χ^2/NDF: 32792678.6/7



Right In: 1975.946+/-667.710 χ^2/NDF: 12.1/15

Left Out: 1438.384+/-491.388 χ^2/NDF:24.3/18

Right Out: 2226.267+/-656.286 χ^2/NDF: 19.0/18

Left In: 2648.169+/-484.994 χ^2/NDF:18.9/17

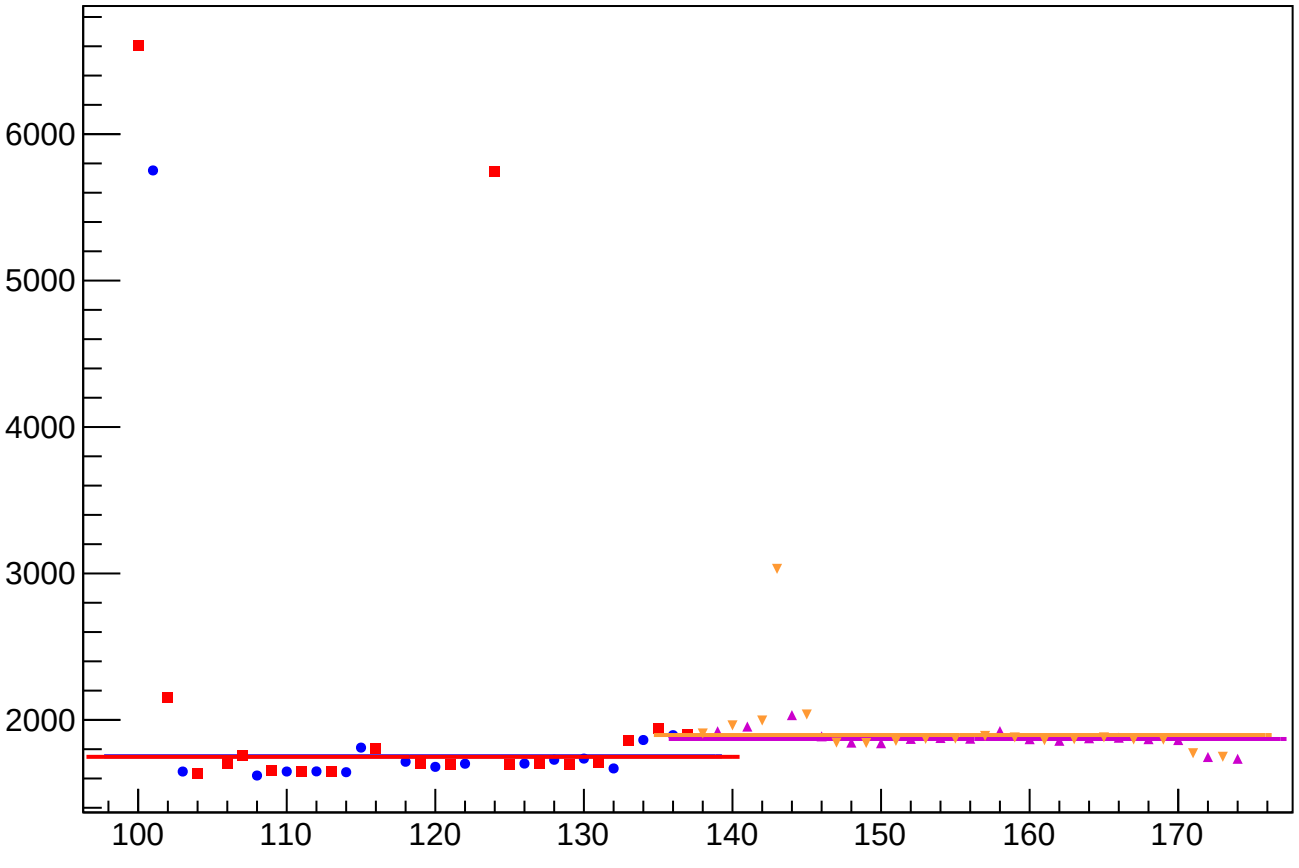
Left: 2051.198+/-345.181 χ^2/NDF: 46.2/36

Right: 2103.266+/-468.051 χ^2/NDF: 31.1/34

In: 2416.000+/-392.403 χ^2/NDF:31.6/33

Out: 1721.411+/-393.348 χ^2/NDF:44.2/37

All: 2069.541+/-277.804 χ^2/NDF: 77.4/71



Right In: 1751.606+/-0.472 χ^2/NDF: 670651.6/15

Left Out: 1896.777+/-0.347 χ^2/NDF:266022.1/18

Right Out: 1747.786+/-0.462 χ^2/NDF: 297917.6/18

Left In: 1869.763+/-0.343 χ^2/NDF:36965.0/17

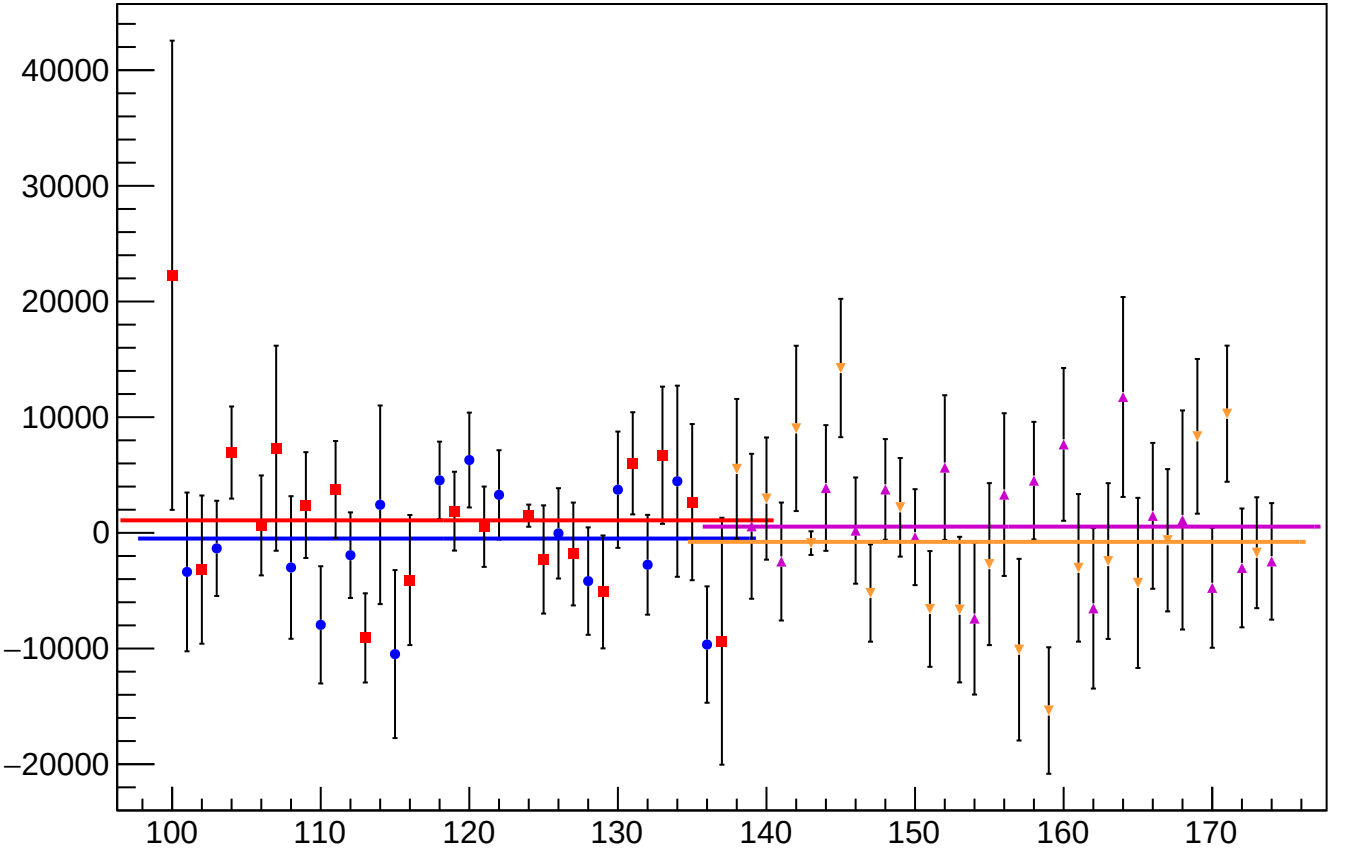
Left: 1883.093+/-0.244 χ^2/NDF: 306048.7/36

Right: 1749.656+/-0.330 χ^2/NDF: 968602.6/34

In: 1828.955+/-0.277 χ^2/NDF:748614.7/33

Out: 1842.998+/-0.278 χ^2/NDF:630306.4/37

All: 1835.969+/-0.196 χ^2/NDF: 1380200.4/71



Right In: -492.916+/-1173.239 χ^2/NDF: 16.0/15

Left Out: -778.473+/-816.349 χ^2/NDF:28.1/18

Right Out: 1080.924+/-731.458 χ^2/NDF: 18.5/18

Left In: 538.606+/-1322.480 χ^2/NDF:10.0/17

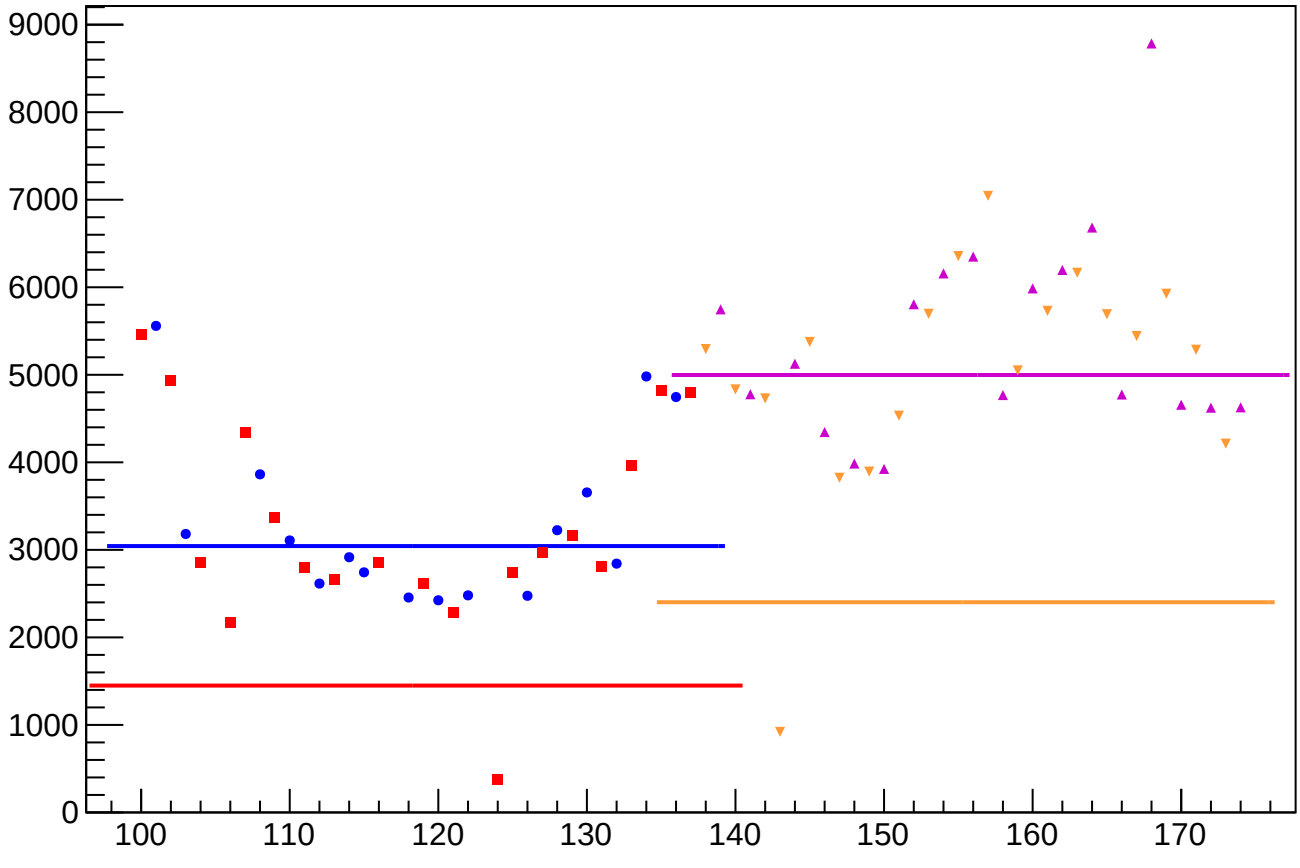
Left: -415.079+/-694.660 χ^2/NDF: 38.8/36

Right: 640.409+/-620.707 χ^2/NDF: 35.7/34

In: -38.619+/-877.647 χ^2/NDF:26.3/33

Out: 252.900+/-544.767 χ^2/NDF:49.4/37

All: 171.820+/-462.851 χ^2/NDF: 75.8/71



Right In: 3043.270+/-0.830 χ^2/NDF: 905659.7/15

Left Out: 2401.651+/-0.577 χ^2/NDF:12358314.4/18

Right Out: 1449.516+/-0.517 χ^2/NDF: 6825716.5/18

Left In: 4997.531+/-0.935 χ^2/NDF:1022658.6/17

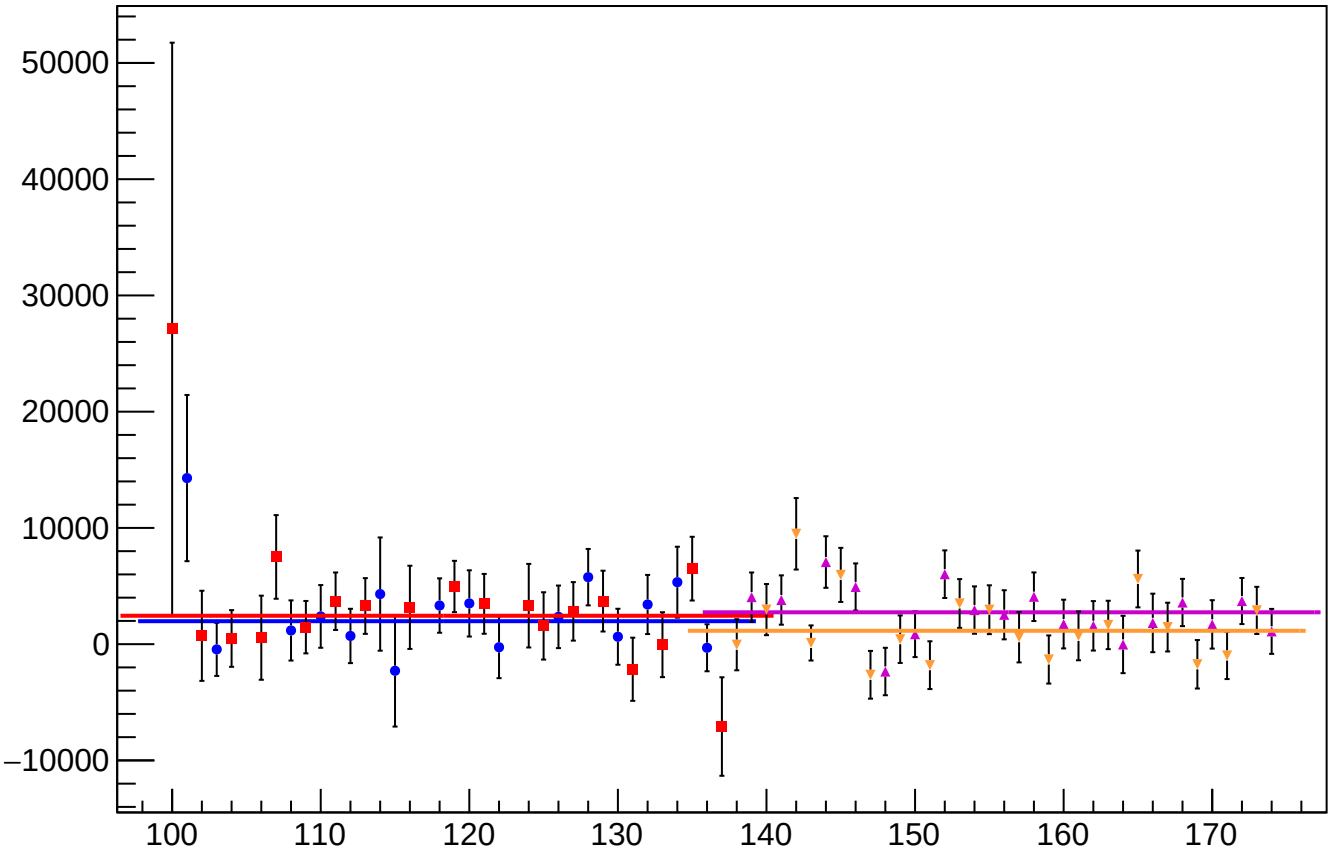
Left: 3117.878+/-0.491 χ^2/NDF: 18960711.9/36

Right: 1895.604+/-0.439 χ^2/NDF: 10389001.0/34

In: 3903.954+/-0.621 χ^2/NDF:4372218.2/33

Out: 1873.520+/-0.385 χ^2/NDF:20693136.5/37

All: 2438.239+/-0.327 χ^2/NDF: 32792678.6/7



Right In: 1975.804+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1150.585+/-480.868 χ^2/NDF:29.4/18

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2741.217+/-494.655 χ^2/NDF:19.0/17

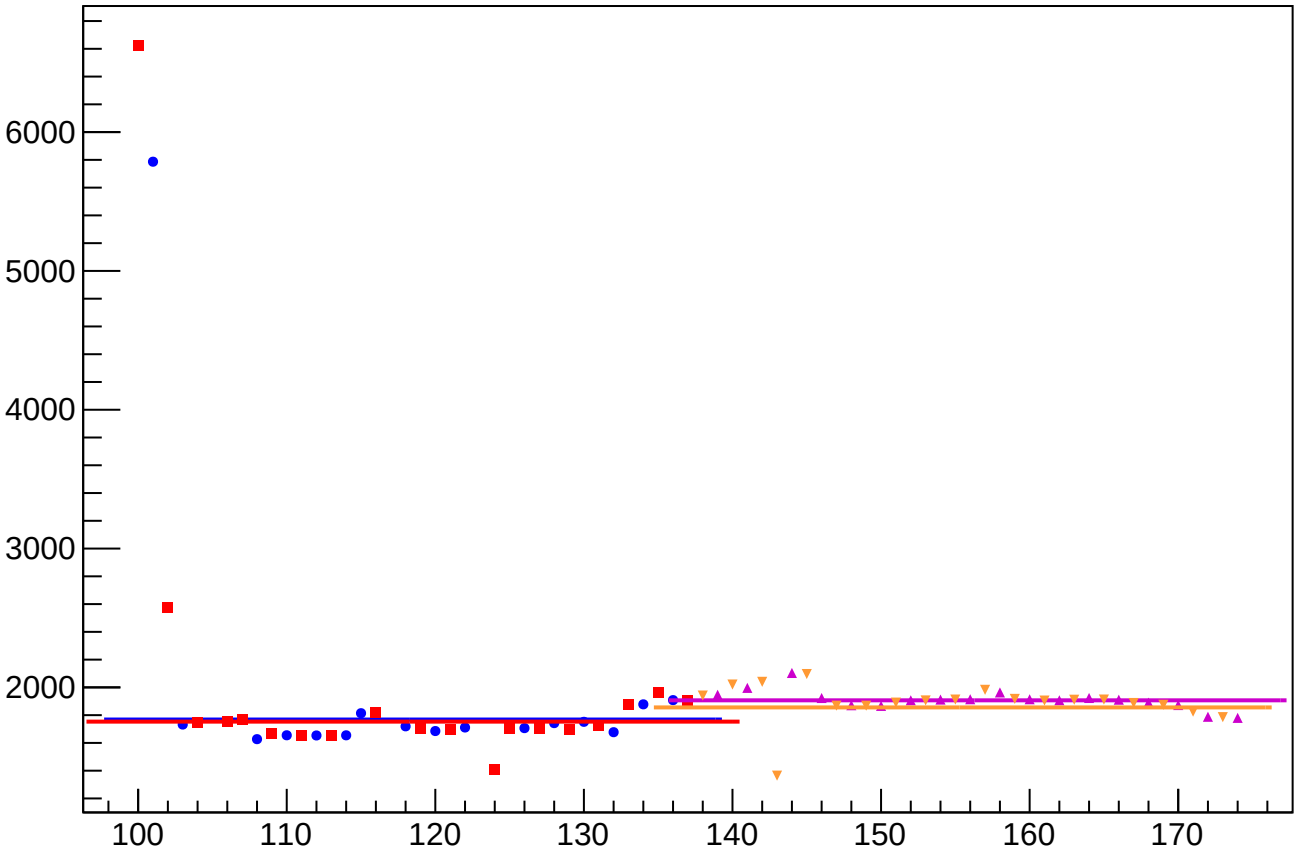
Left: 1923.426+/-344.796 χ^2/NDF: 53.7/36

Right: 2215.770+/-470.744 χ^2/NDF: 30.1/34

In: 2473.315+/-398.800 χ^2/NDF:32.3/33

Out: 1601.227+/-388.177 χ^2/NDF:49.4/37

All: 2025.501+/-278.162 χ^2/NDF: 84.1/71



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1855.756+/-0.340 χ^2/NDF:273625.0/18

Right Out: 1753.383+/-0.464 χ^2/NDF: 218864.4/18

Left In: 1906.844+/-0.350 χ^2/NDF:39636.0/17

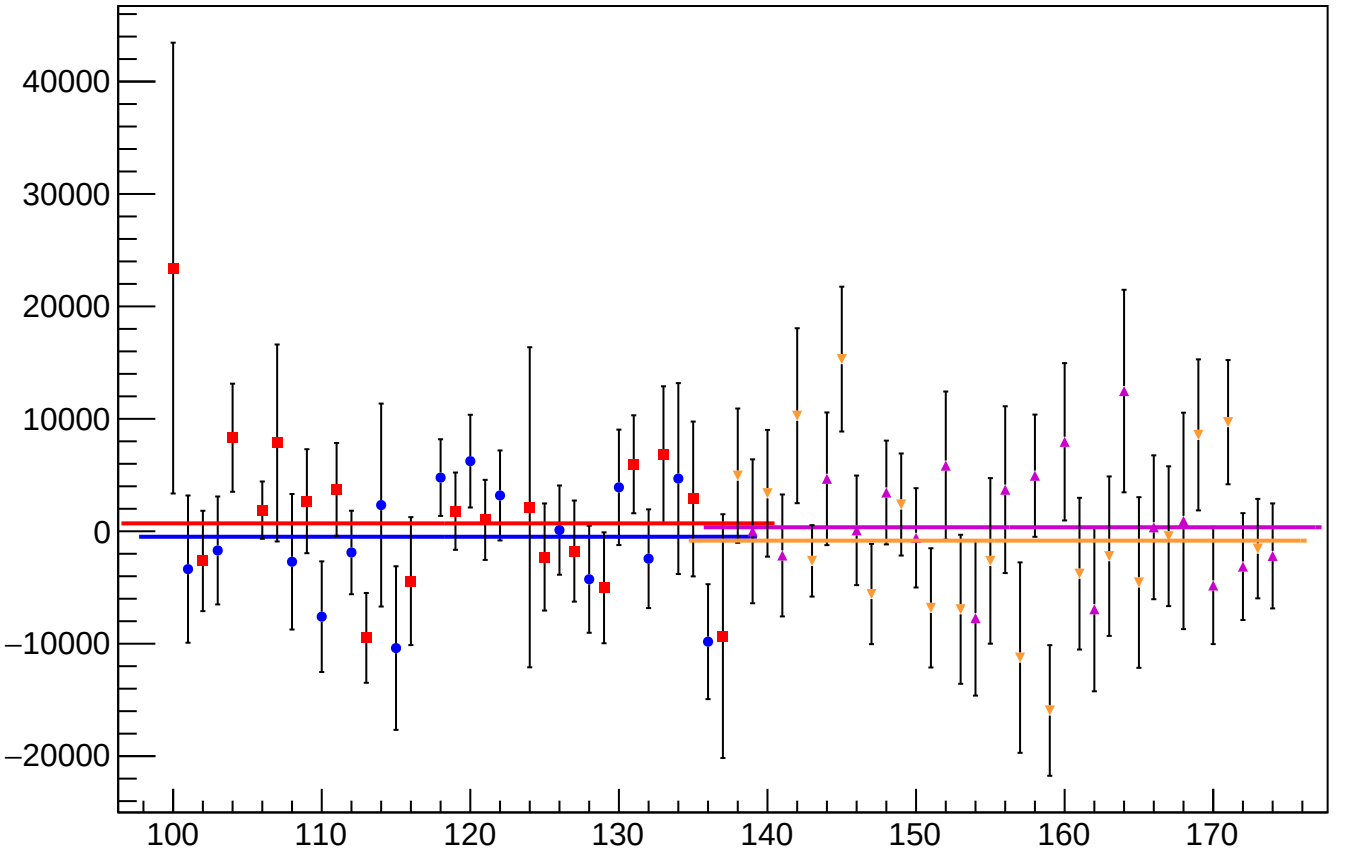
Left: 1880.578+/-0.244 χ^2/NDF: 324229.2/36

Right: 1760.725+/-0.332 χ^2/NDF: 886747.1/34

In: 1858.415+/-0.282 χ^2/NDF:761774.6/33

Out: 1819.970+/-0.274 χ^2/NDF:524176.7/37

All: 1838.656+/-0.197 χ^2/NDF: 1295504.2/71



Right In: -488.104+/-1198.506 χ^2/NDF: 15.8/15

Left Out: -832.093+/-1280.883 χ^2/NDF:28.3/18

Right Out: 703.324+/-1069.467 χ^2/NDF: 18.8/18

Left In: 355.576+/-1364.393 χ^2/NDF:10.0/17

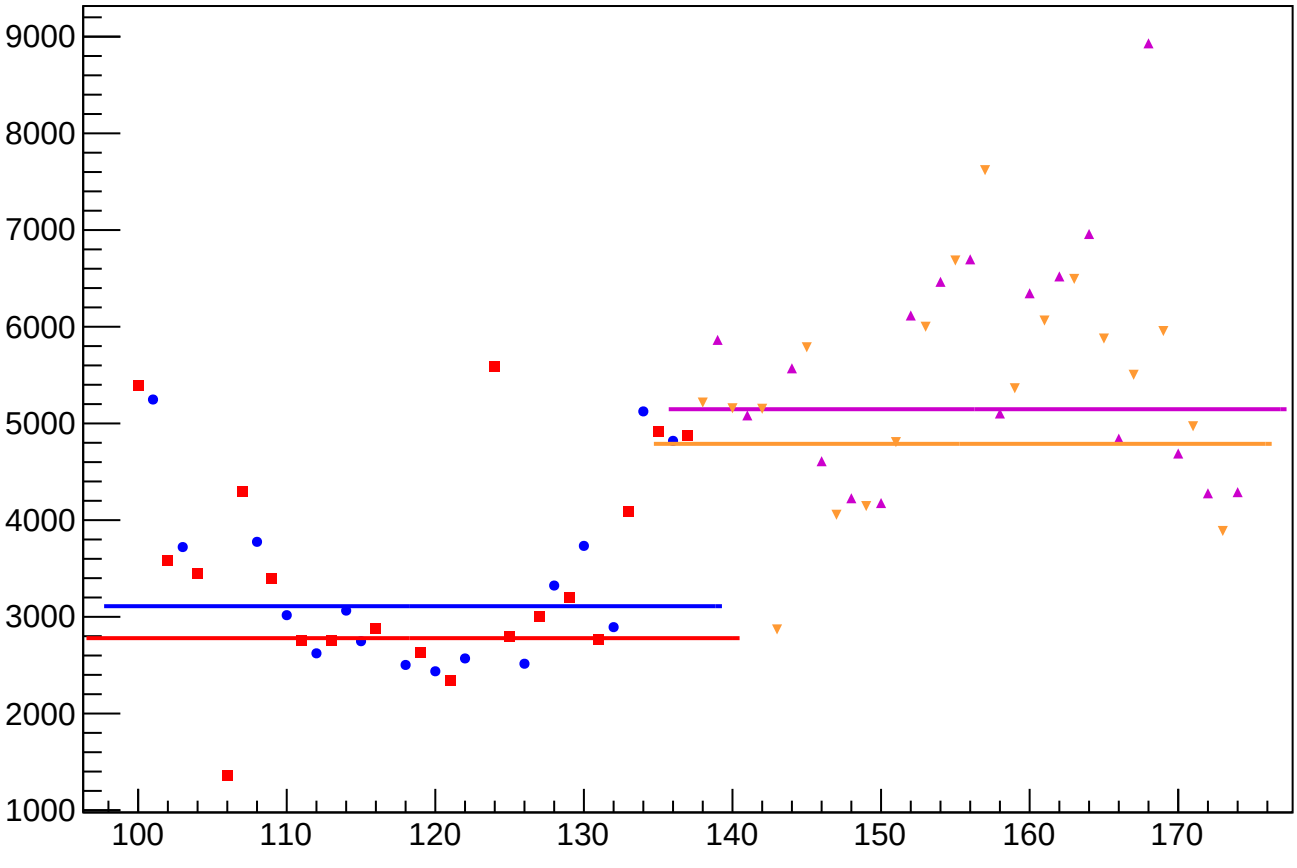
Left: -275.716+/-933.849 χ^2/NDF: 38.8/36

Right: 175.178+/-797.963 χ^2/NDF: 35.1/34

In: -120.645+/-900.441 χ^2/NDF:26.0/33

Out: 72.618+/-820.936 χ^2/NDF:48.0/37

All: -15.106+/-606.654 χ^2/NDF: 74.0/71



Right In: 3110.133+/-0.847 χ^2/NDF: 883262.4/15

Left Out: 4789.058+/-0.906 χ^2/NDF:1738104.7/18

Right Out: 2779.630+/-0.756 χ^2/NDF: 1348141.7/18

Left In: 5147.147+/-0.965 χ^2/NDF:1113927.7/17

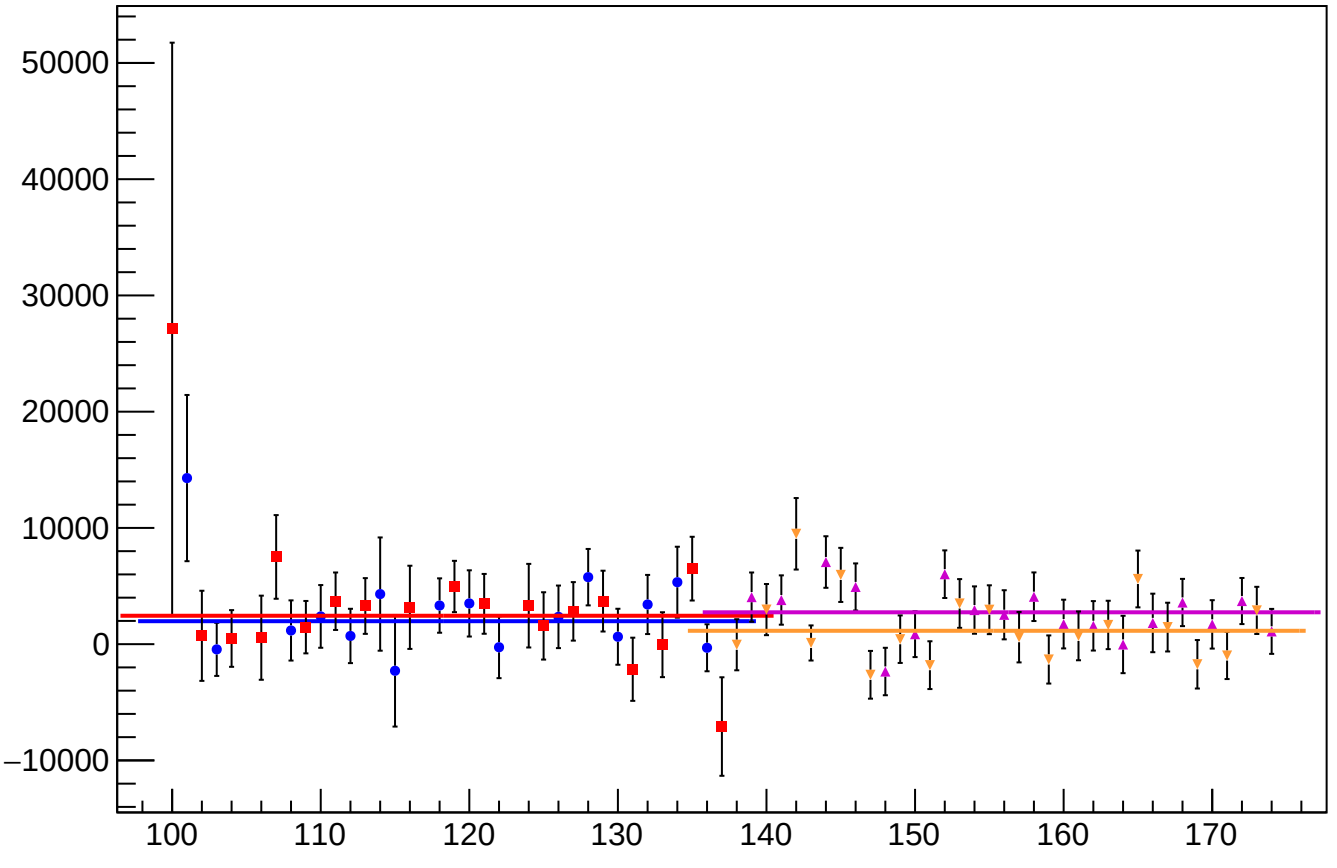
Left: 4956.809+/-0.660 χ^2/NDF: 2925258.7/36

Right: 2926.138+/-0.564 χ^2/NDF: 2316074.2/34

In: 3997.341+/-0.637 χ^2/NDF:4513531.5/33

Out: 3605.046+/-0.580 χ^2/NDF:5986528.6/37

All: 3783.113+/-0.429 χ^2/NDF: 10707364.3/7



Right In: 1975.805+/-674.086 χ^2/NDF: 12.4/15

Left Out: 1150.584+/-480.868 χ^2/NDF:29.4/18

Right Out: 2444.199+/-657.682 χ^2/NDF: 17.5/18

Left In: 2741.217+/-494.655 χ^2/NDF:19.0/17

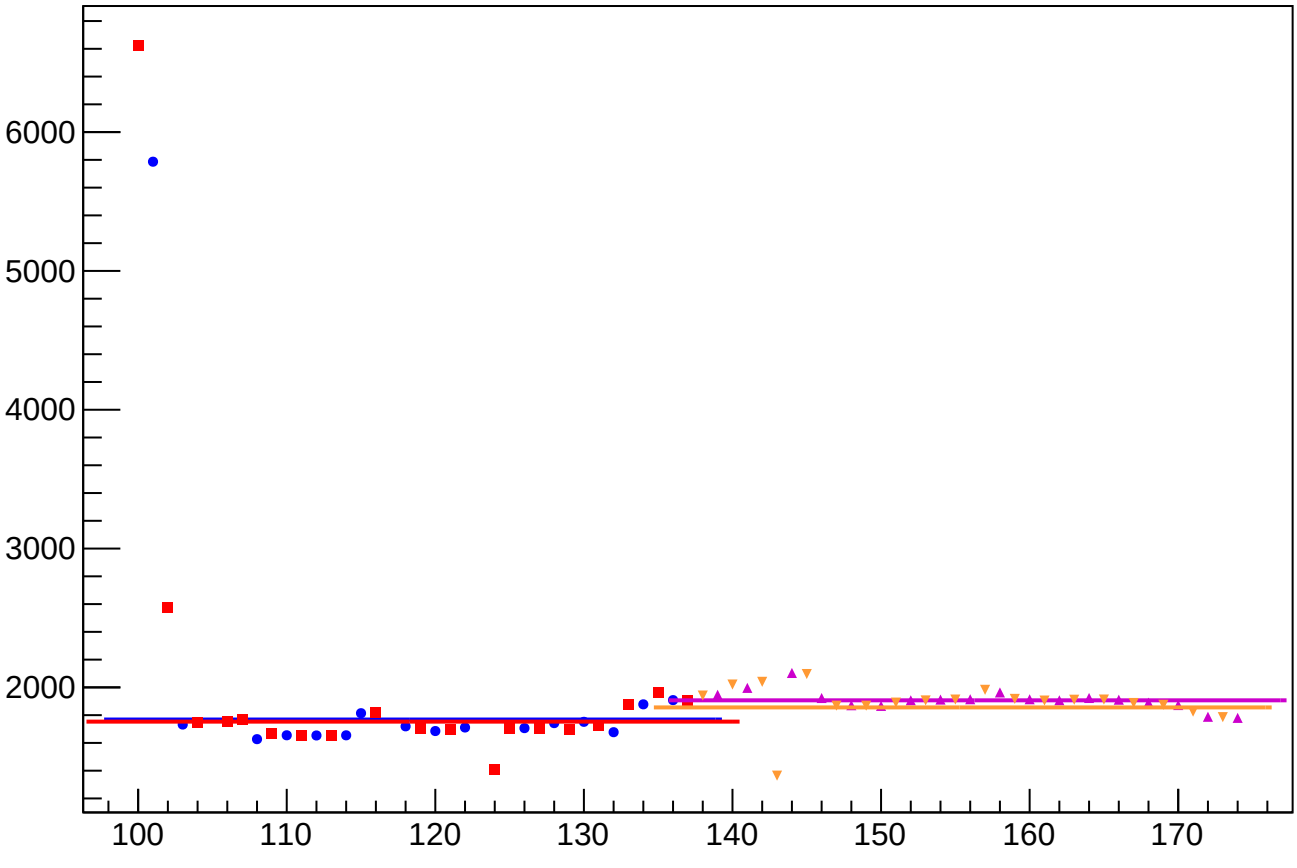
Left: 1923.424+/-344.796 χ^2/NDF: 53.7/36

Right: 2215.771+/-470.744 χ^2/NDF: 30.1/34

In: 2473.315+/-398.800 χ^2/NDF:32.3/33

Out: 1601.227+/-388.177 χ^2/NDF:49.4/37

All: 2025.501+/-278.163 χ^2/NDF: 84.1/71



Right In: 1768.480+/-0.477 χ^2/NDF: 667367.4/15

Left Out: 1855.756+/-0.340 χ^2/NDF:273626.8/18

Right Out: 1753.382+/-0.464 χ^2/NDF: 218864.3/18

Left In: 1906.845+/-0.350 χ^2/NDF:39637.2/17

Left: 1880.579+/-0.244 χ^2/NDF: 324232.3/36

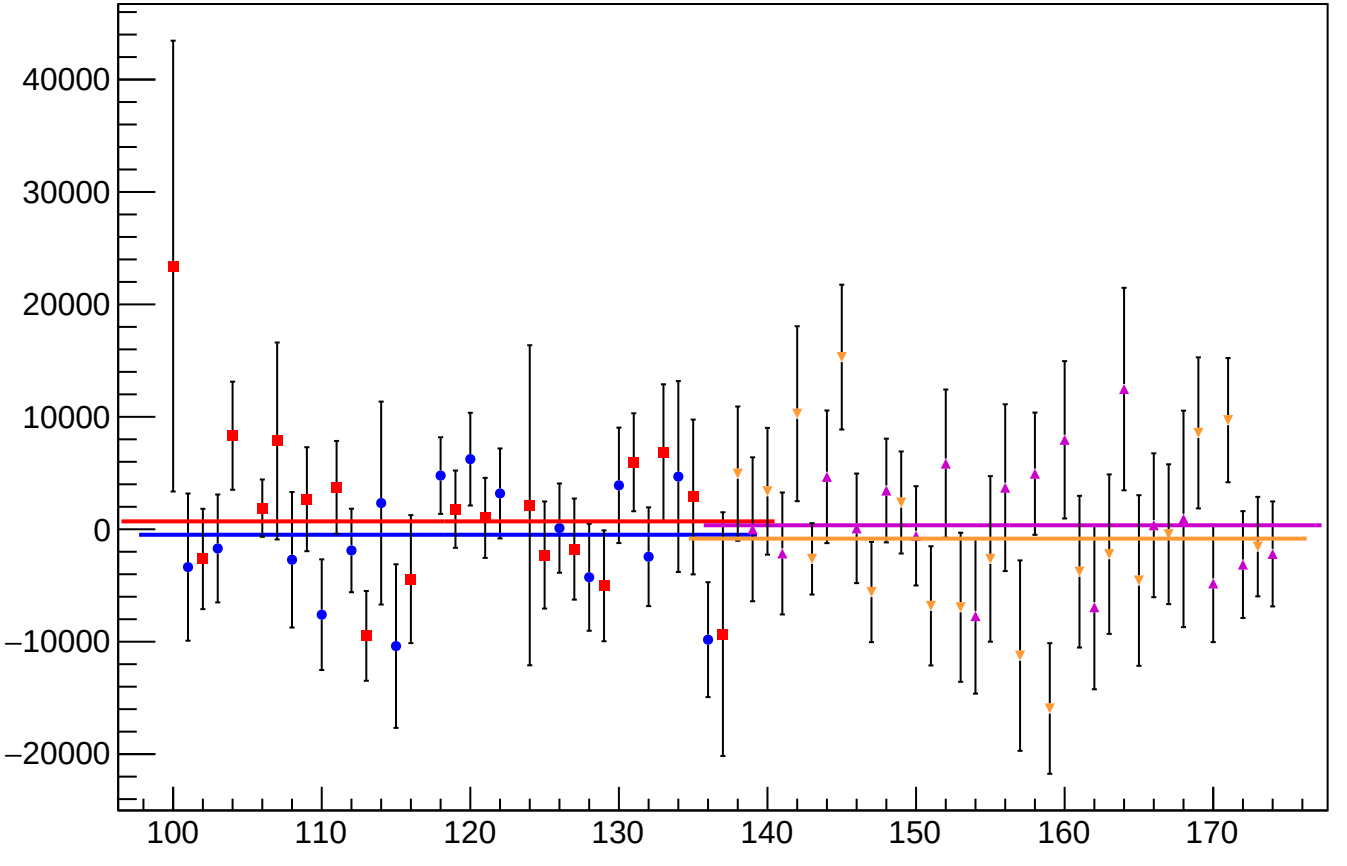
Right: 1760.725+/-0.332 χ^2/NDF: 886747.0/34

In: 1858.416+/-0.282 χ^2/NDF:761776.3/33

Out: 1819.970+/-0.274 χ^2/NDF:524178.7/37

All: 1838.656+/-0.197 χ^2/NDF: 1295508.0/71

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -488.098+/-1198.502 χ^2/NDF: 15.8/15

Left Out: -832.099+/-1280.884 χ^2/NDF:28.3/18

Right Out: 703.325+/-1069.463 χ^2/NDF: 18.8/18

Left In: 355.577+/-1364.395 χ^2/NDF:10.0/17

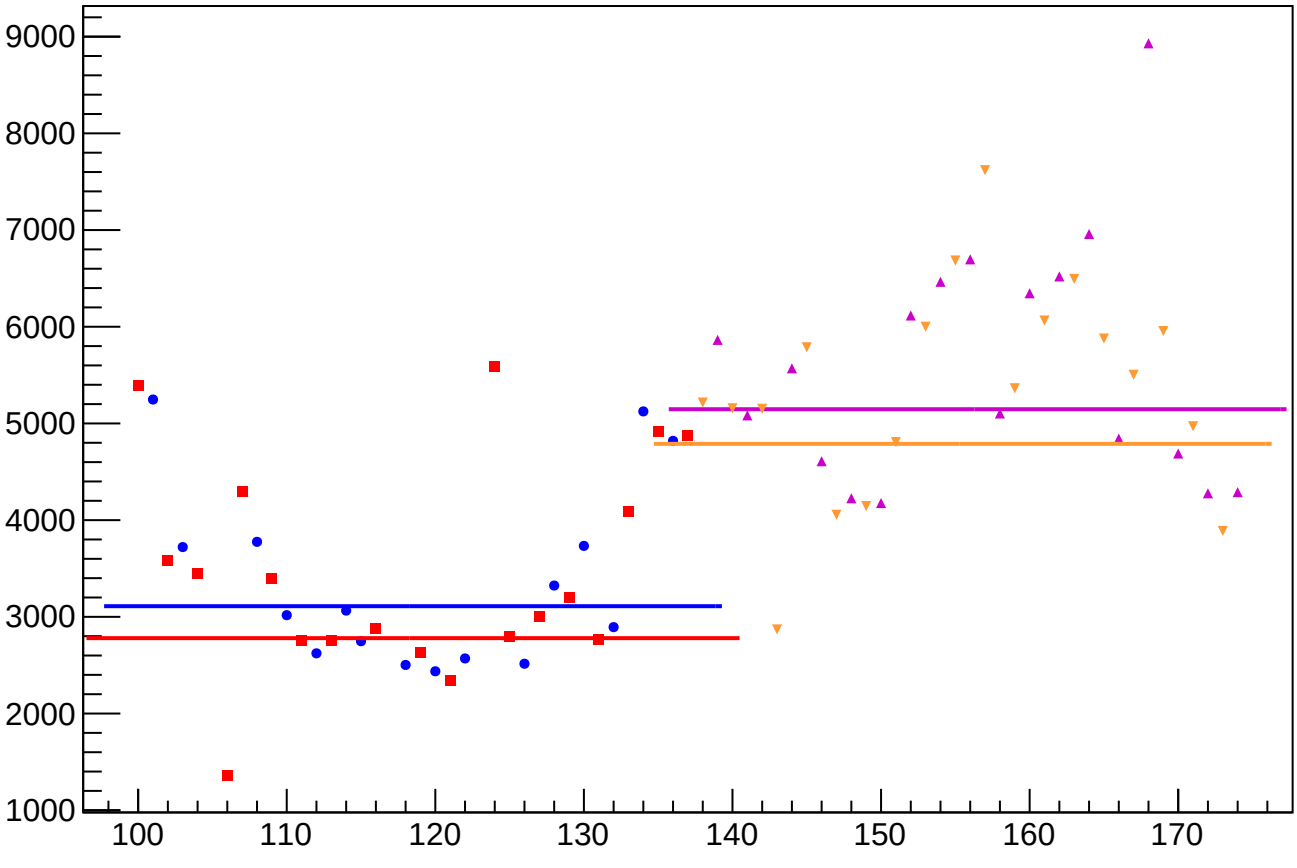
Left: -275.719+/-933.850 χ^2/NDF: 38.8/36

Right: 175.182+/-797.960 χ^2/NDF: 35.1/34

In: -120.643+/-900.440 χ^2/NDF:26.0/33

Out: 72.621+/-820.935 χ^2/NDF:48.0/37

All: -15.104+/-606.653 χ^2/NDF: 74.0/71



Right In: 3110.121+/-0.847 χ^2/NDF: 883272.2/15

Left Out: 4789.064+/-0.906 χ^2/NDF:1738110.6/18

Right Out: 2779.617+/-0.756 χ^2/NDF: 1348160.7/18

Left In: 5147.155+/-0.965 χ^2/NDF:1113928.7/17

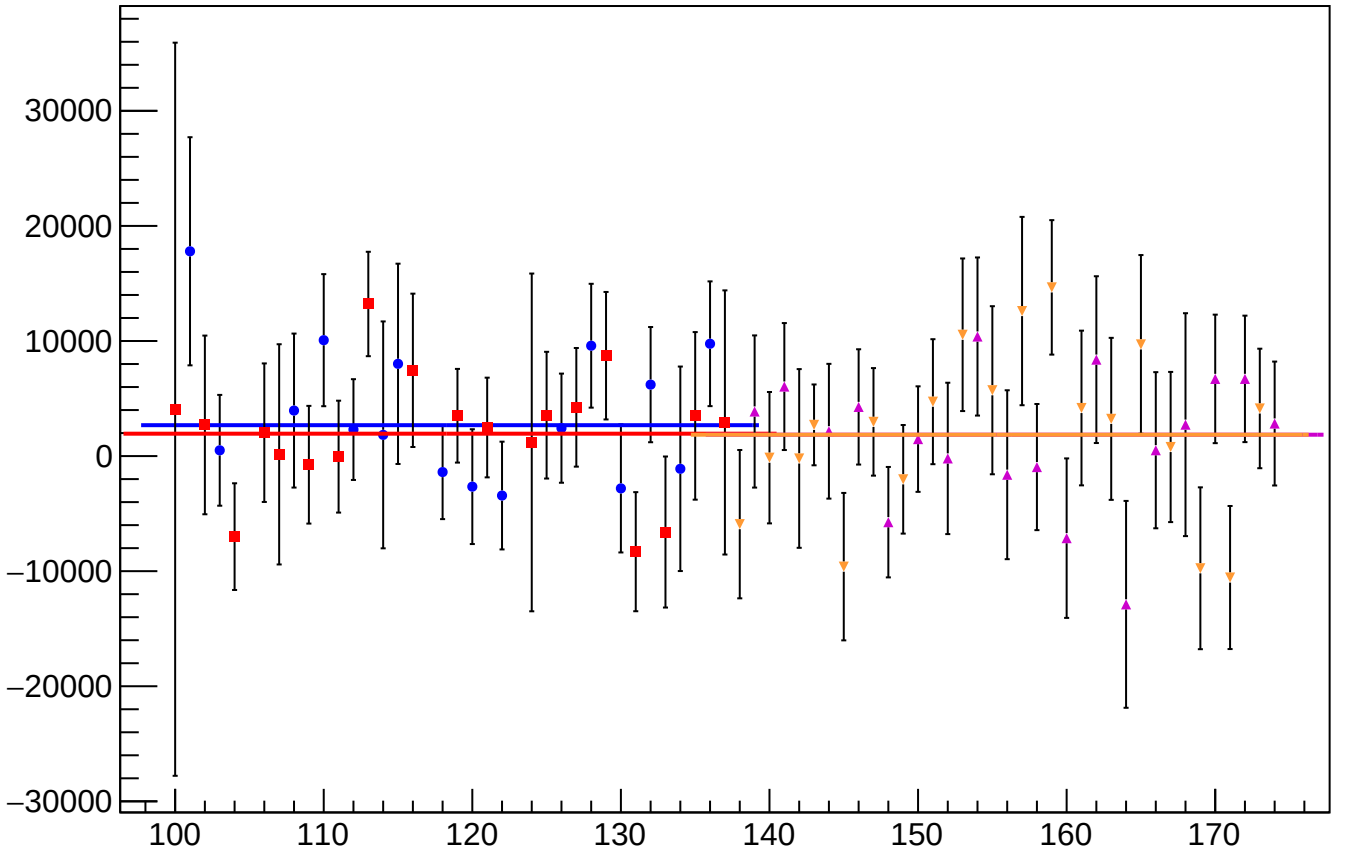
Left: 4956.816+/-0.660 χ^2/NDF: 2925266.0/36

Right: 2926.126+/-0.564 χ^2/NDF: 2316104.6/34

In: 3997.333+/-0.637 χ^2/NDF:4513591.2/33

Out: 3605.035+/-0.580 χ^2/NDF:5986612.6/37

All: 3783.104+/-0.429 χ^2/NDF: 10707511.2/7



Right In: 2685.414+/-1379.907 χ^2/NDF: 13.5/15

Left Out: 1857.289+/-1345.061 χ^2/NDF:22.6/18

Right Out: 1945.685+/-1332.986 χ^2/NDF: 18.7/18

Left In: 1857.001+/-1419.532 χ^2/NDF:12.3/17

Left: 1857.153+/-976.368 χ^2/NDF: 34.9/36

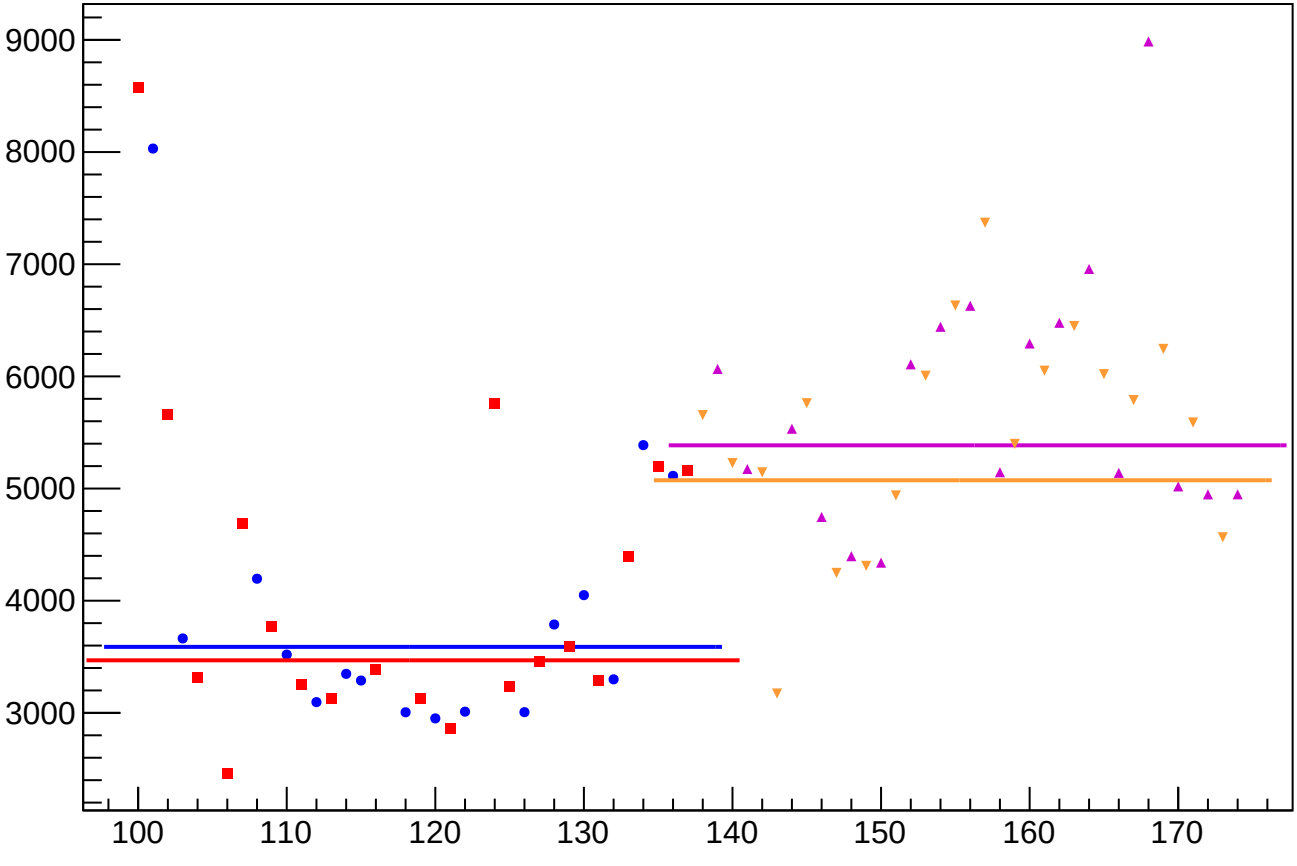
Right: 2302.760+/-958.722 χ^2/NDF: 32.3/34

In: 2282.931+/-989.454 χ^2/NDF:26.0/33

Out: 1901.886+/-946.804 χ^2/NDF:41.2/37

All: 2084.019+/-684.072 χ^2/NDF: 67.3/71

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3588.430+/-0.976 χ^2/NDF: 845218.6/15

Left Out: 5073.841+/-0.951 χ^2/NDF:1297838.3/18

Right Out: 3468.624+/-0.928 χ^2/NDF: 666541.5/18

Left In: 5385.379+/-1.004 χ^2/NDF:834211.1/17

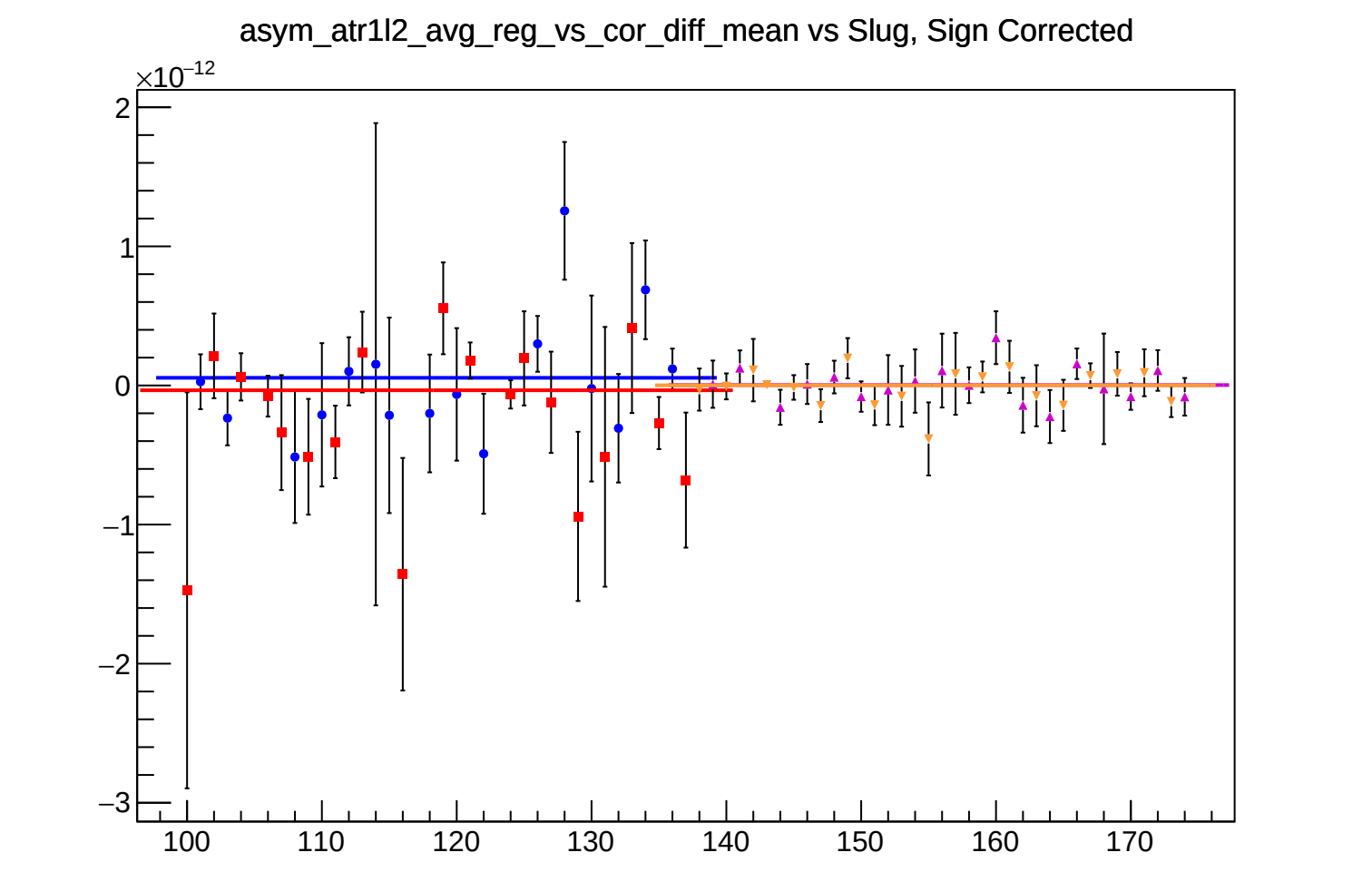
Left: 5221.224+/-0.690 χ^2/NDF: 2182807.5/36

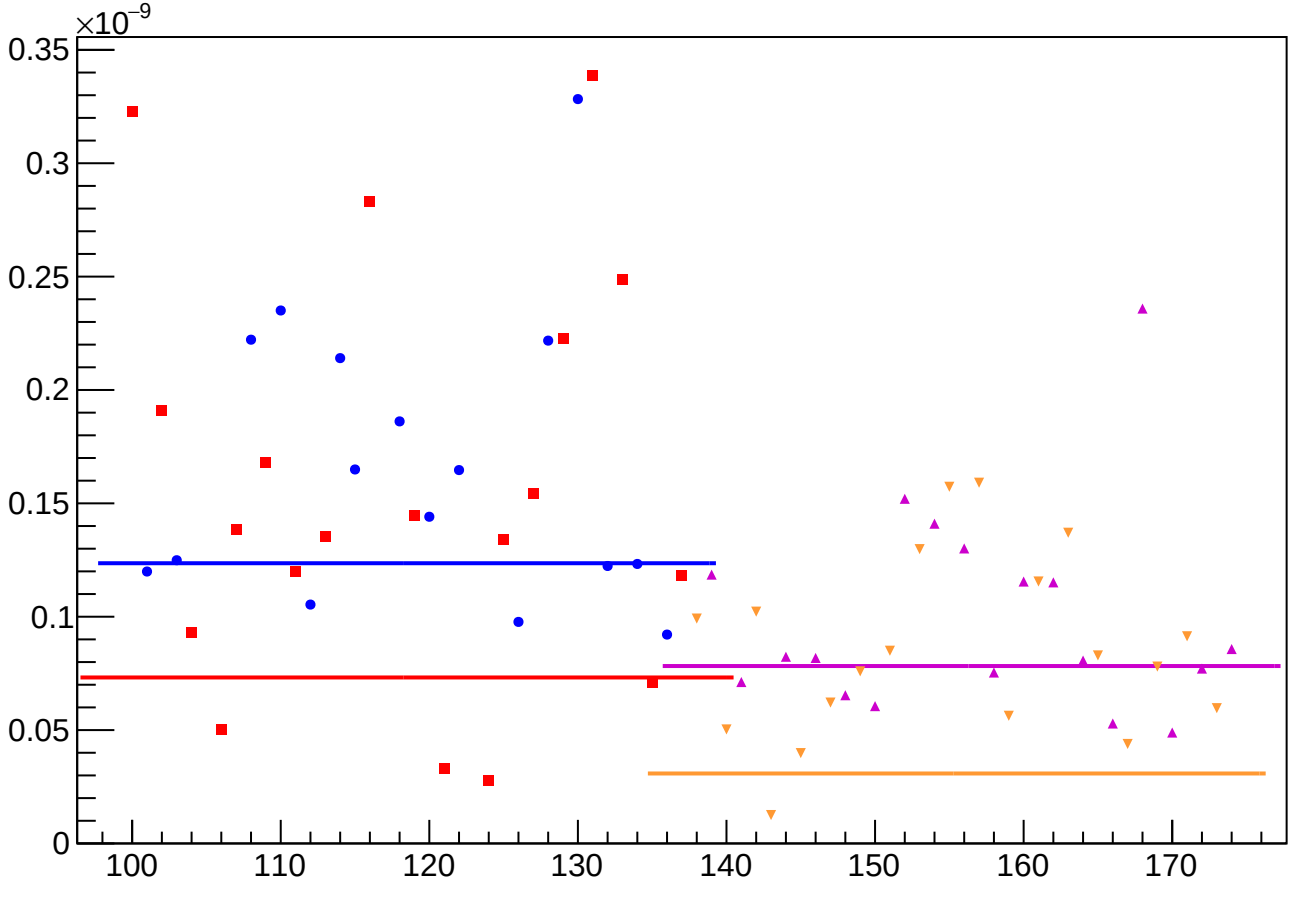
Right: 3525.541+/-0.673 χ^2/NDF: 1519674.0/34

In: 4461.473+/-0.700 χ^2/NDF:3327225.4/33

Out: 4251.717+/-0.664 χ^2/NDF:3423253.7/37

All: 4351.163+/-0.482 χ^2/NDF: 6797747.3/71


asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 17.7/15
Left Out: 0.000+/-0.000 χ²/NDF:10.8/18
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/18
Left In: 0.000+/-0.000 χ²/NDF:12.3/17
Left: 0.000+/-0.000 χ²/NDF: 23.1/36
Right: -0.000+/-0.000 χ²/NDF: 41.0/34
In: 0.000+/-0.000 χ²/NDF:30.5/33
Out: -0.000+/-0.000 χ²/NDF:33.5/37
All: 0.000+/-0.000 χ²/NDF: 64.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 662149.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:5674605.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2188857.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1366664.7/17

Left: 0.000+/-0.000 χ^2/NDF: 10024216.0/36

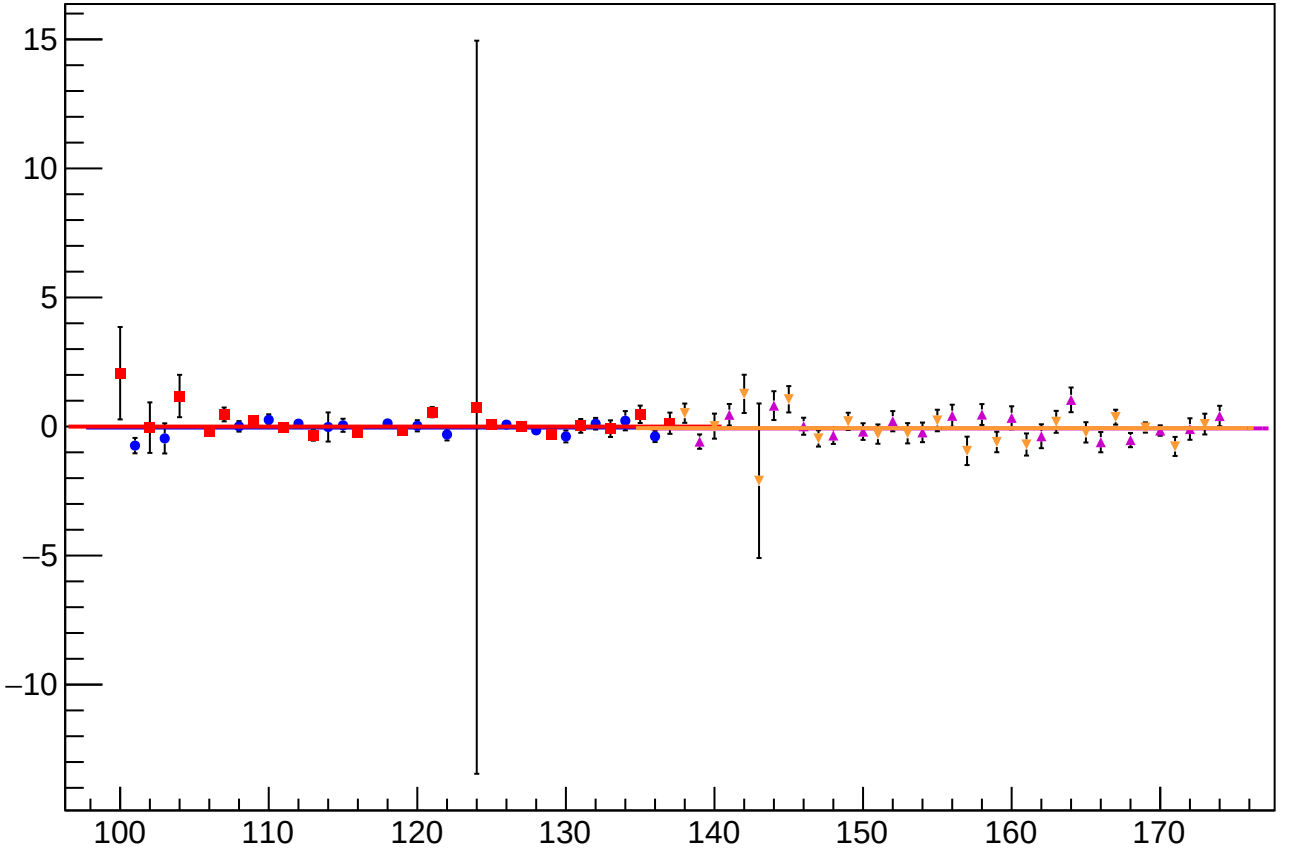
Right: 0.000+/-0.000 χ^2/NDF: 3471325.1/34

In: 0.000+/-0.000 χ^2/NDF:2659606.1/33

Out: 0.000+/-0.000 χ^2/NDF:8993897.2/37

All: 0.000+/-0.000 χ^2/NDF: 15777157.8/71

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

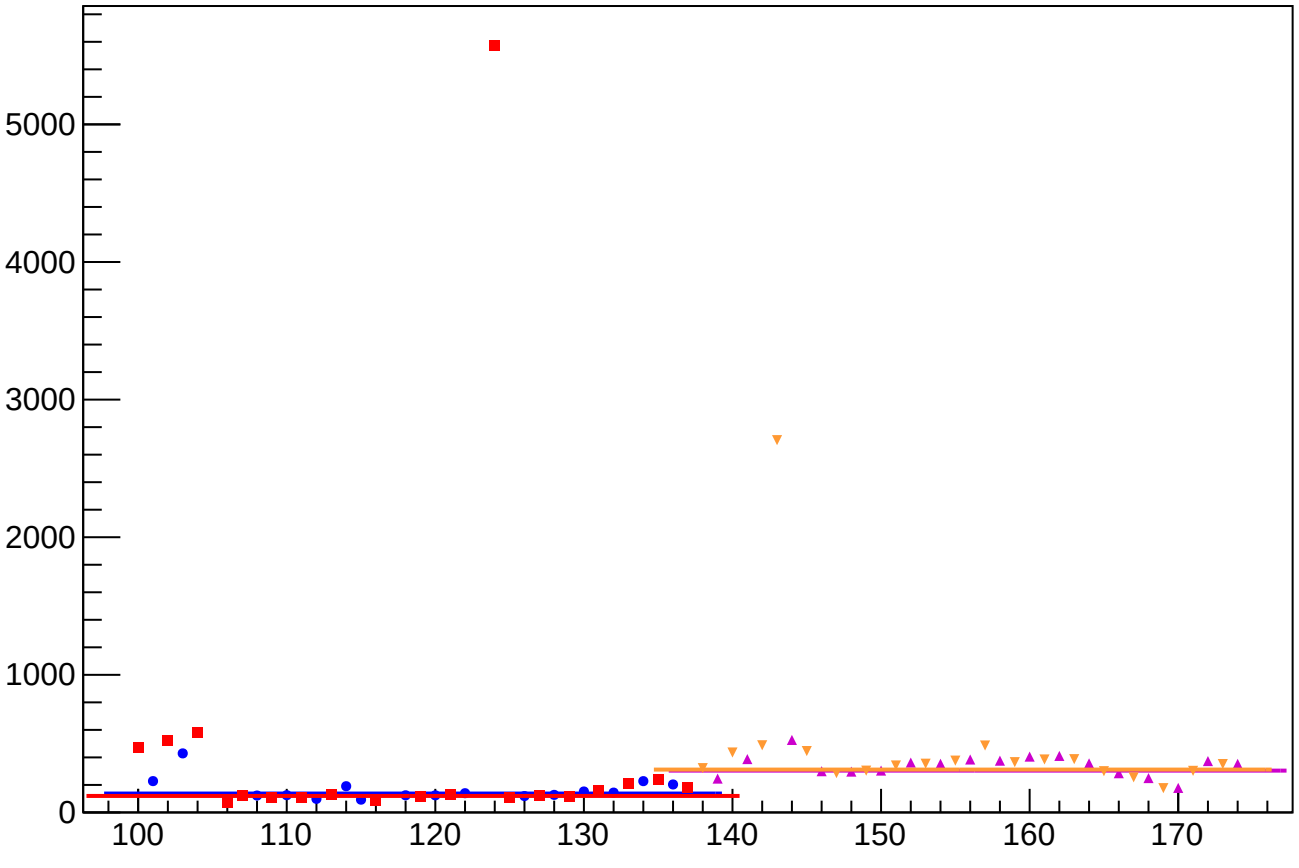
Left: -0.068+/-0.060 χ^2/NDF: 52.3/36

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.033+/-0.032 χ^2/NDF: 99.7/71



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 311.507+/-0.061 χ^2/NDF:3145582.6/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

Left: 307.585+/-0.042 χ^2/NDF: 5034416.5/36

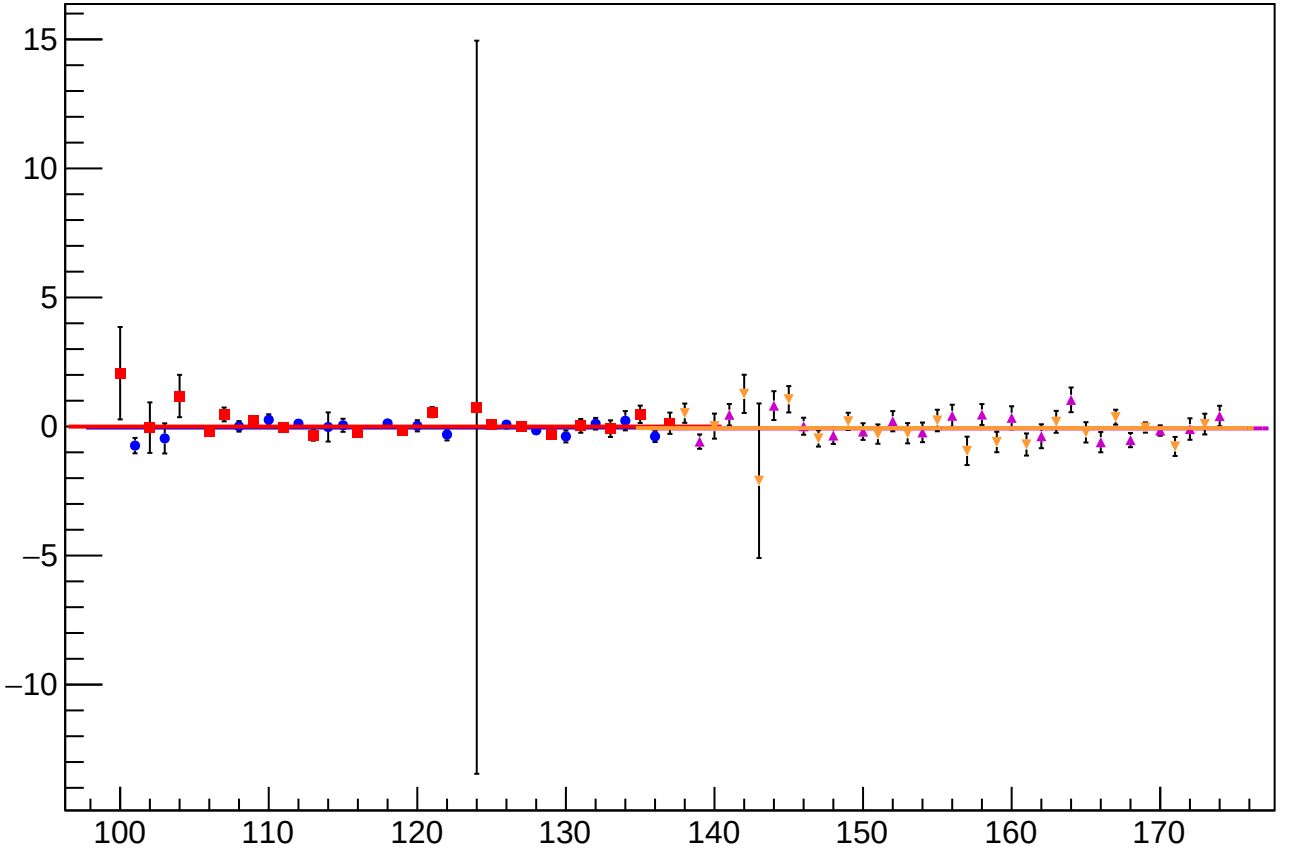
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 189.346+/-0.033 χ^2/NDF:8703473.4/33

Out: 169.270+/-0.031 χ^2/NDF:12560810.9/37

All: 178.770+/-0.023 χ^2/NDF: 21462300.9/71

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

Left: -0.068+/-0.060 χ^2/NDF: 52.3/36

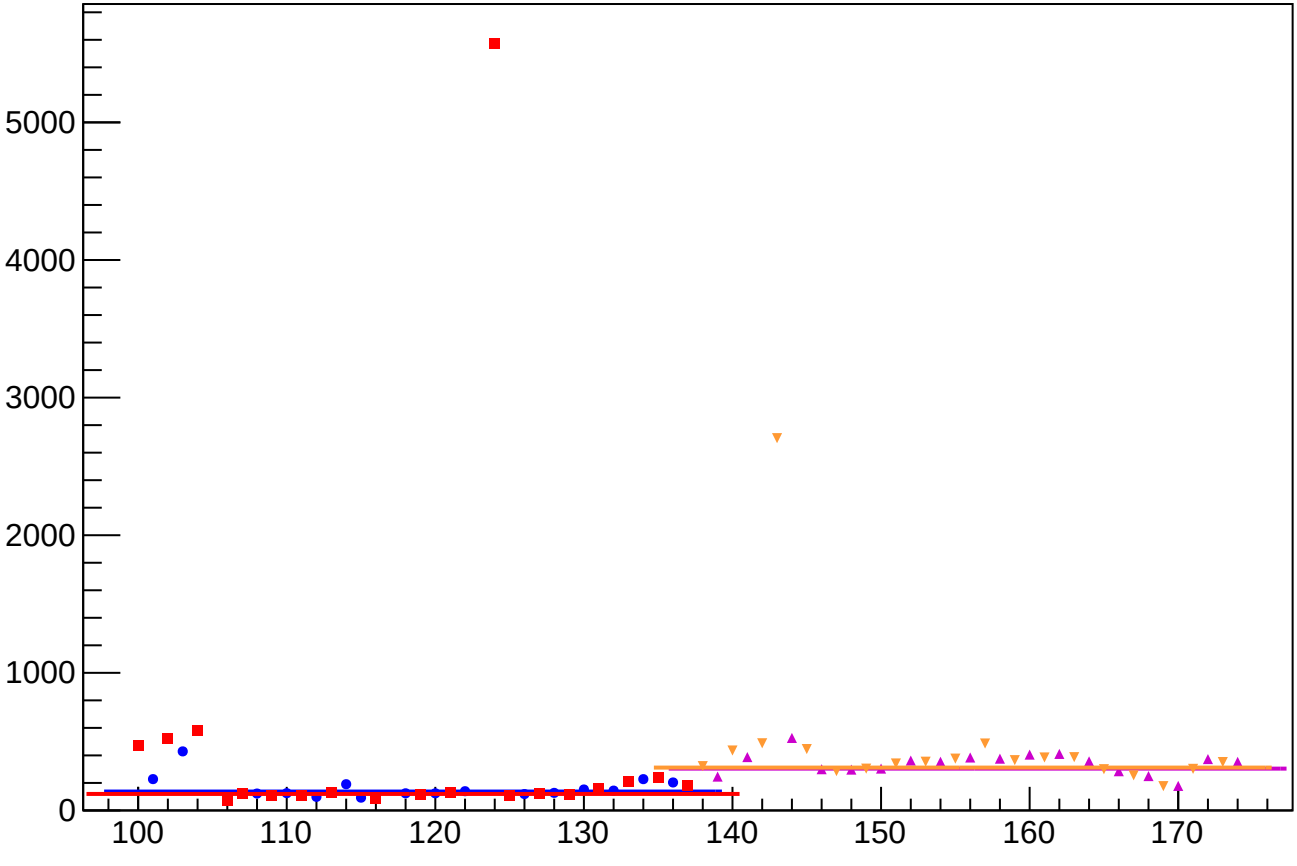
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.033+/-0.032 χ^2/NDF: 99.7/71

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.399+/-0.039 χ^2/NDF: 1268257.0/15

Left Out: 311.507+/-0.061 χ^2/NDF:3145582.6/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139894.0/18

Left In: 303.983+/-0.059 χ^2/NDF:1880951.6/17

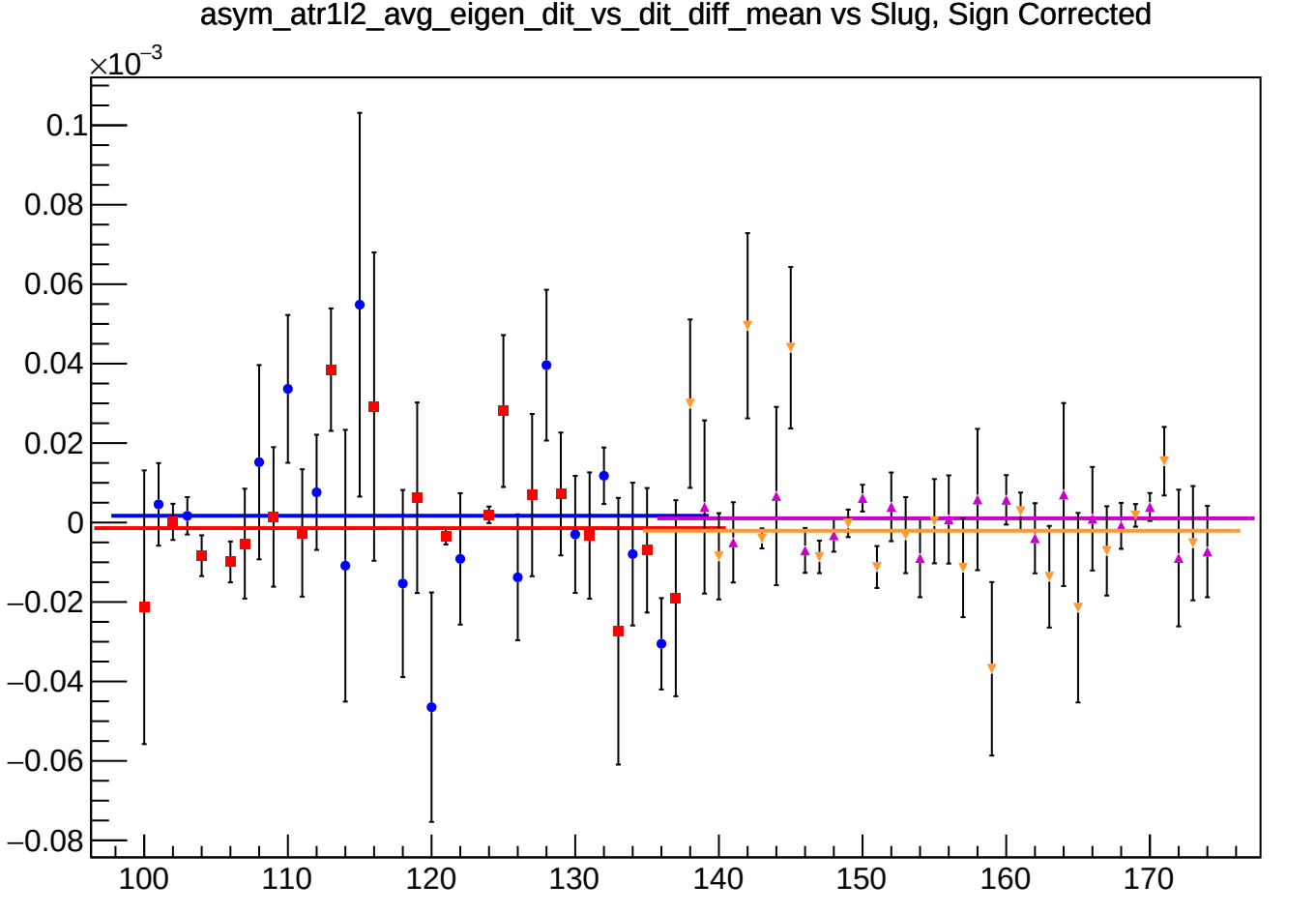
Left: 307.585+/-0.042 χ^2/NDF: 5034416.5/36

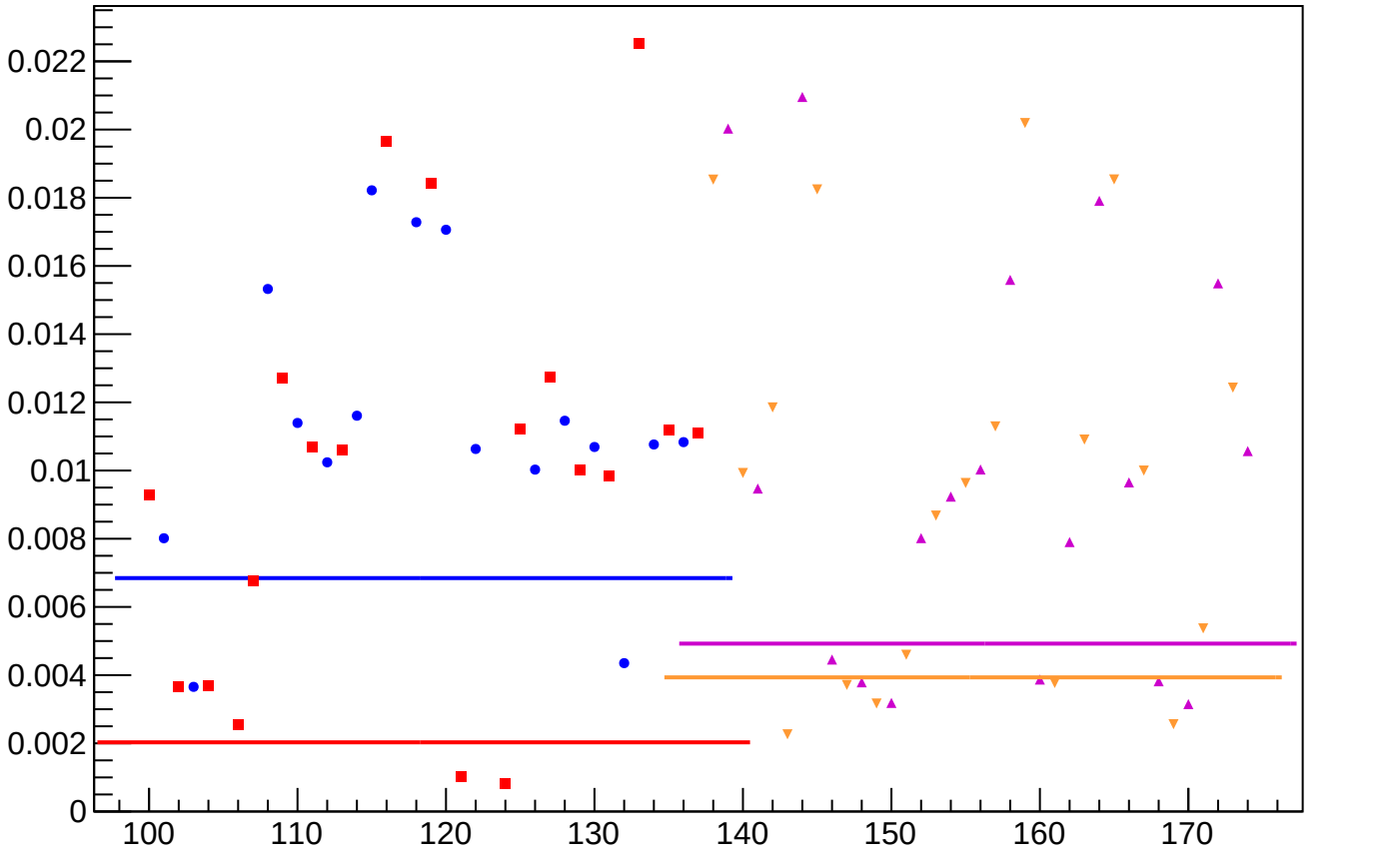
Right: 127.907+/-0.027 χ^2/NDF: 3514127.8/34

In: 189.346+/-0.033 χ^2/NDF:8703473.4/33

Out: 169.270+/-0.031 χ^2/NDF:12560810.9/37

All: 178.770+/-0.023 χ^2/NDF: 21462300.9/71


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:31.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 20.3/18
Left In: 0.000+/-0.000 χ²/NDF:9.6/17
Left: -0.000+/-0.000 χ²/NDF: 43.0/36
Right: -0.000+/-0.000 χ²/NDF: 45.0/34
In: 0.000+/-0.000 χ²/NDF:33.4/33
Out: -0.000+/-0.000 χ²/NDF:51.5/37
All: -0.000+/-0.000 χ²/NDF: 88.0/71



Right In: 0.007+/-0.000 χ^2/NDF: 3230112.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:9819926.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 9007527.0/18

Left In: 0.005+/-0.000 χ^2/NDF:7868994.6/17

Left: 0.004+/-0.000 χ^2/NDF: 18150248.9/36

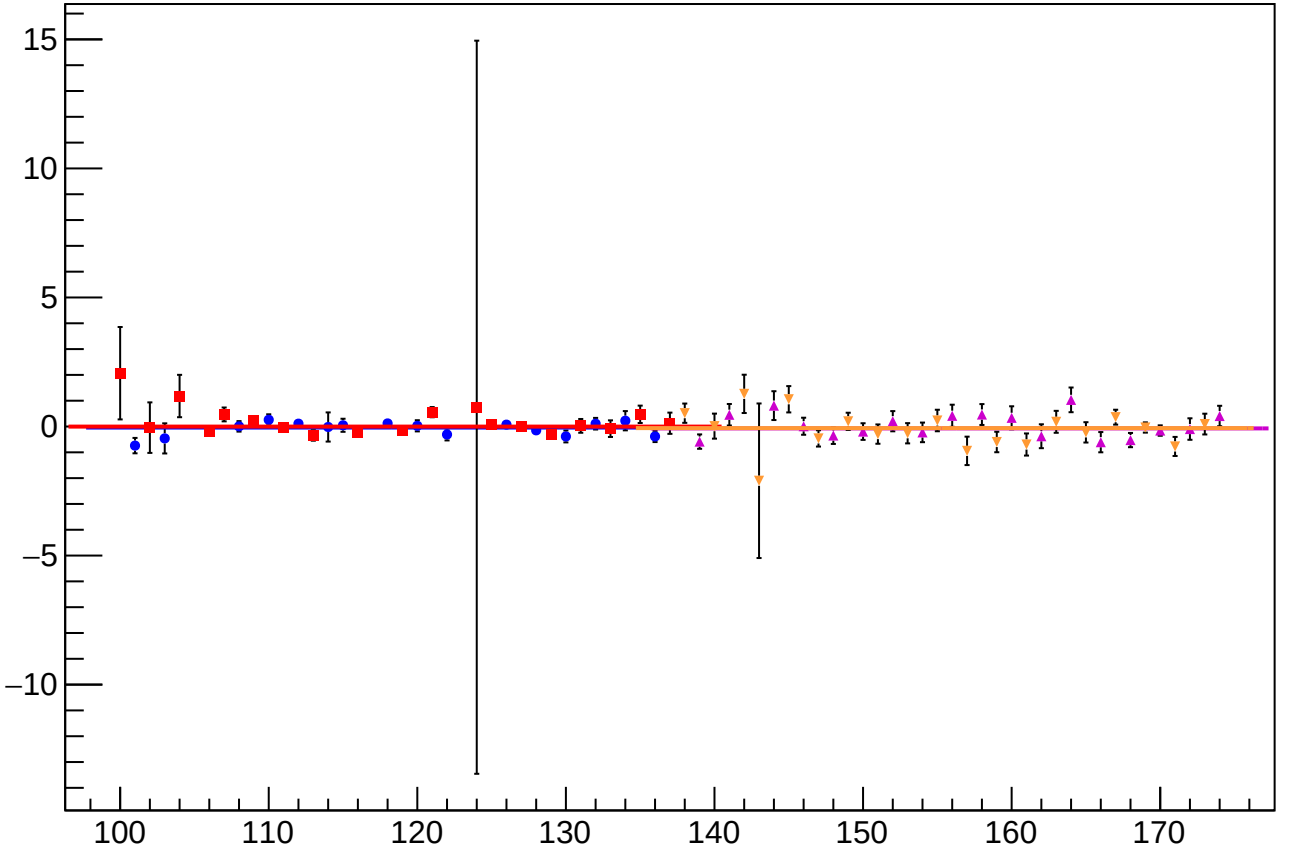
Right: 0.003+/-0.000 χ^2/NDF: 16707172.2/34

In: 0.005+/-0.000 χ^2/NDF:11750913.8/33

Out: 0.003+/-0.000 χ^2/NDF:21029884.8/37

All: 0.004+/-0.000 χ^2/NDF: 36952440.6/71

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

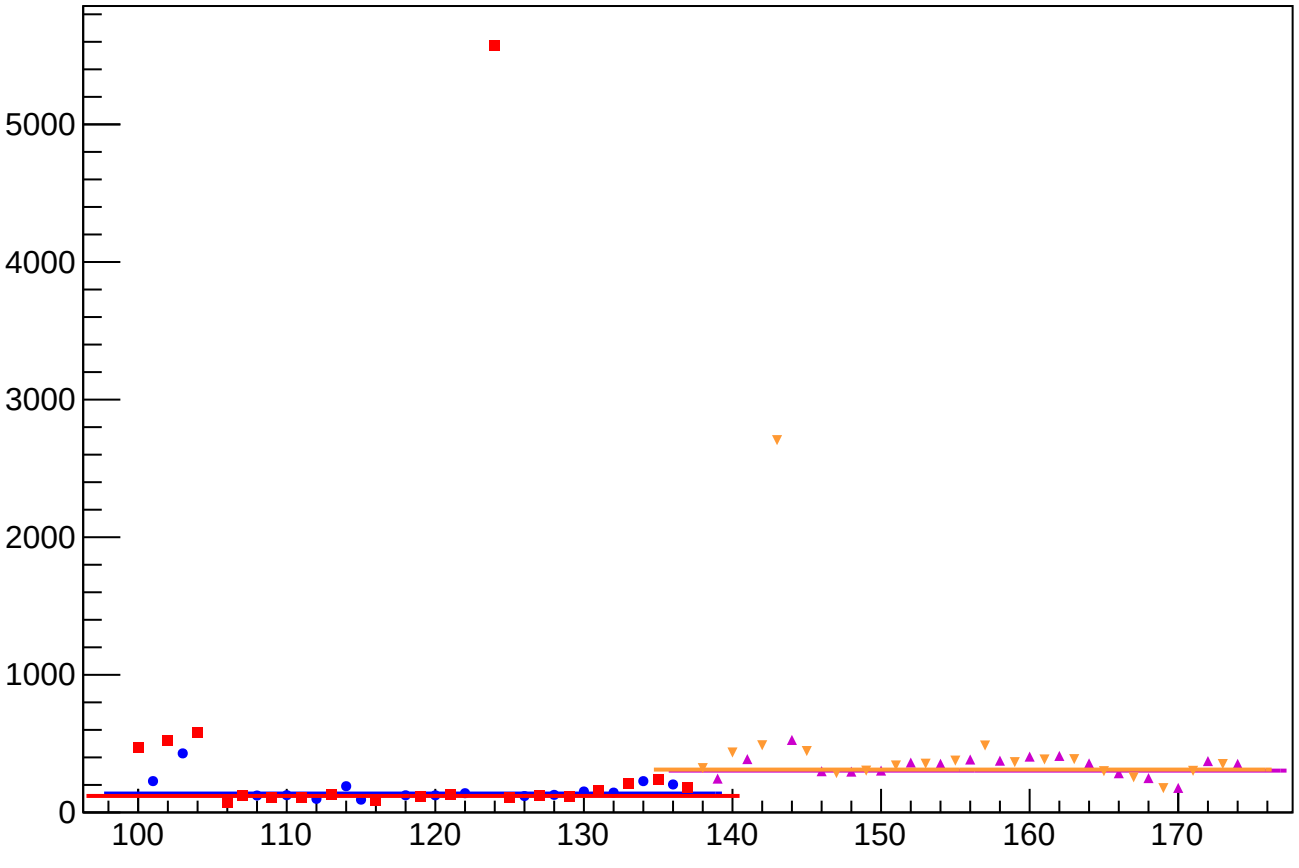
Left: -0.068+/-0.060 χ^2/NDF: 52.3/36

Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.033+/-0.032 χ^2/NDF: 99.7/71



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 311.509+/-0.061 χ^2/NDF:3145638.0/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

Left: 307.587+/-0.042 χ^2/NDF: 5034460.5/36

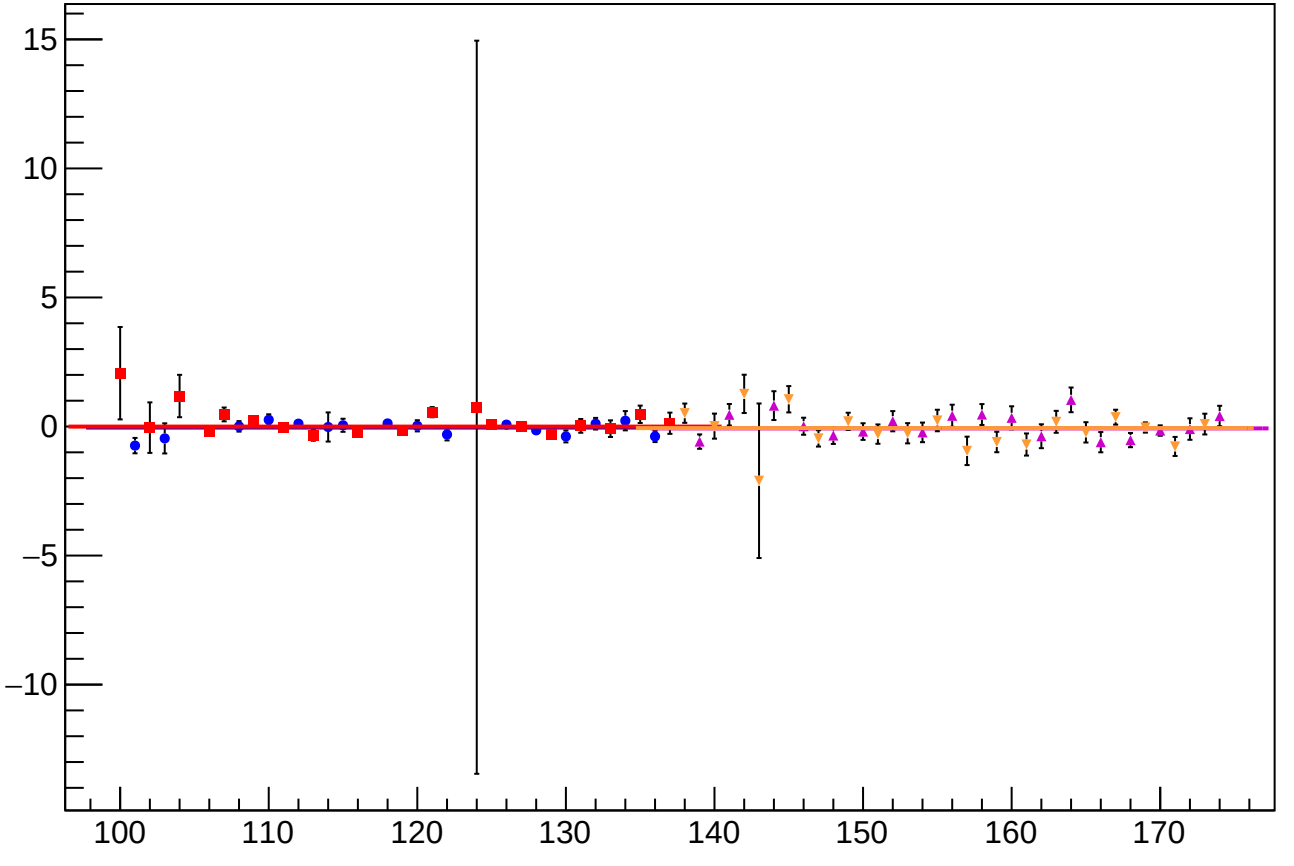
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 189.347+/-0.033 χ^2/NDF:8703437.3/33

Out: 169.270+/-0.031 χ^2/NDF:12560876.8/37

All: 178.771+/-0.023 χ^2/NDF: 21462354.6/71

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.056 χ^2/NDF: 17.9/15

Left Out: -0.062+/-0.087 χ^2/NDF:27.4/18

Right Out: -0.003+/-0.051 χ^2/NDF: 28.7/18

Left In: -0.073+/-0.083 χ^2/NDF:24.9/17

Left: -0.068+/-0.060 χ^2/NDF: 52.3/36

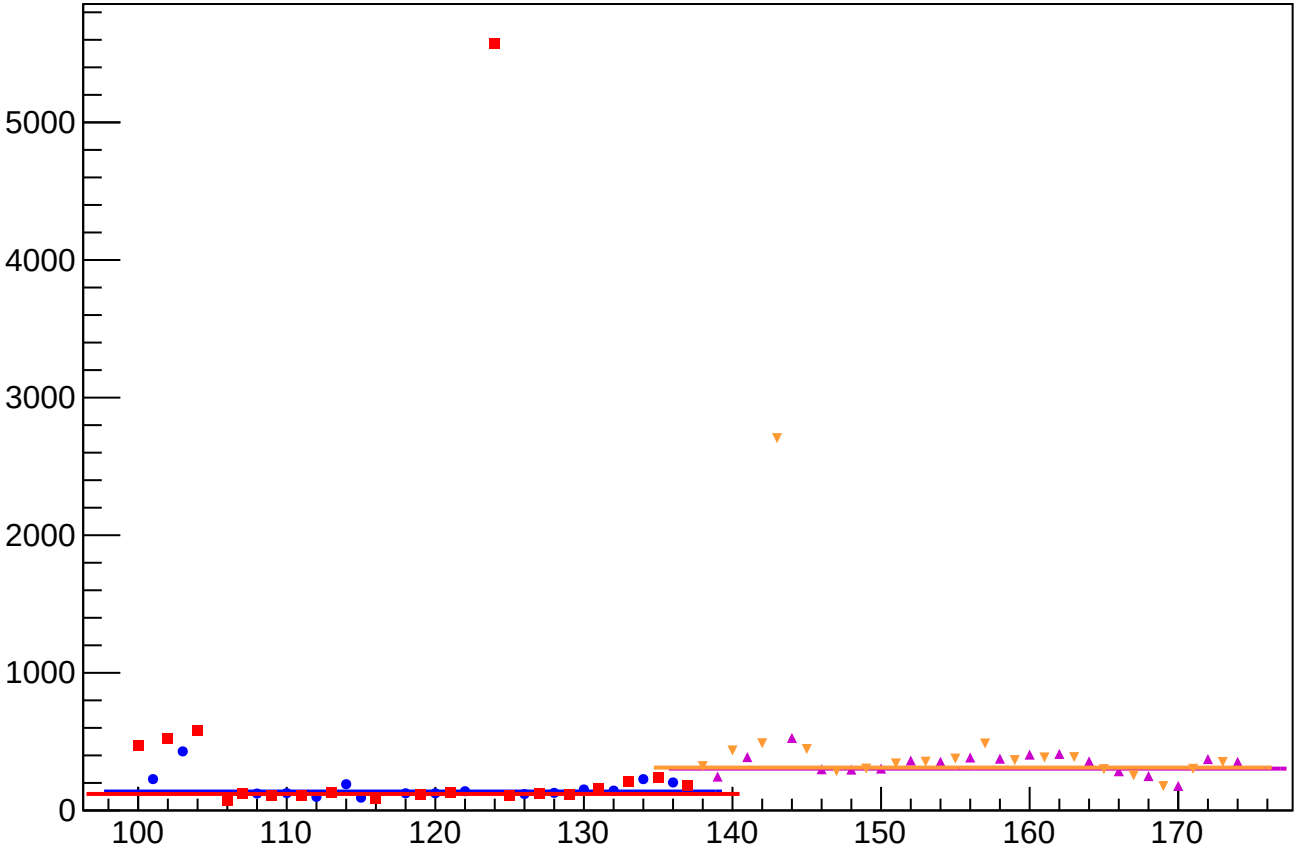
Right: -0.020+/-0.038 χ^2/NDF: 46.9/34

In: -0.050+/-0.046 χ^2/NDF:43.0/33

Out: -0.018+/-0.044 χ^2/NDF:56.4/37

All: -0.033+/-0.032 χ^2/NDF: 99.7/71

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 137.400+/-0.039 χ^2/NDF: 1268197.9/15

Left Out: 311.509+/-0.061 χ^2/NDF:3145638.0/18

Right Out: 120.006+/-0.036 χ^2/NDF: 2139820.8/18

Left In: 303.986+/-0.059 χ^2/NDF:1880941.8/17

Left: 307.587+/-0.042 χ^2/NDF: 5034460.5/36

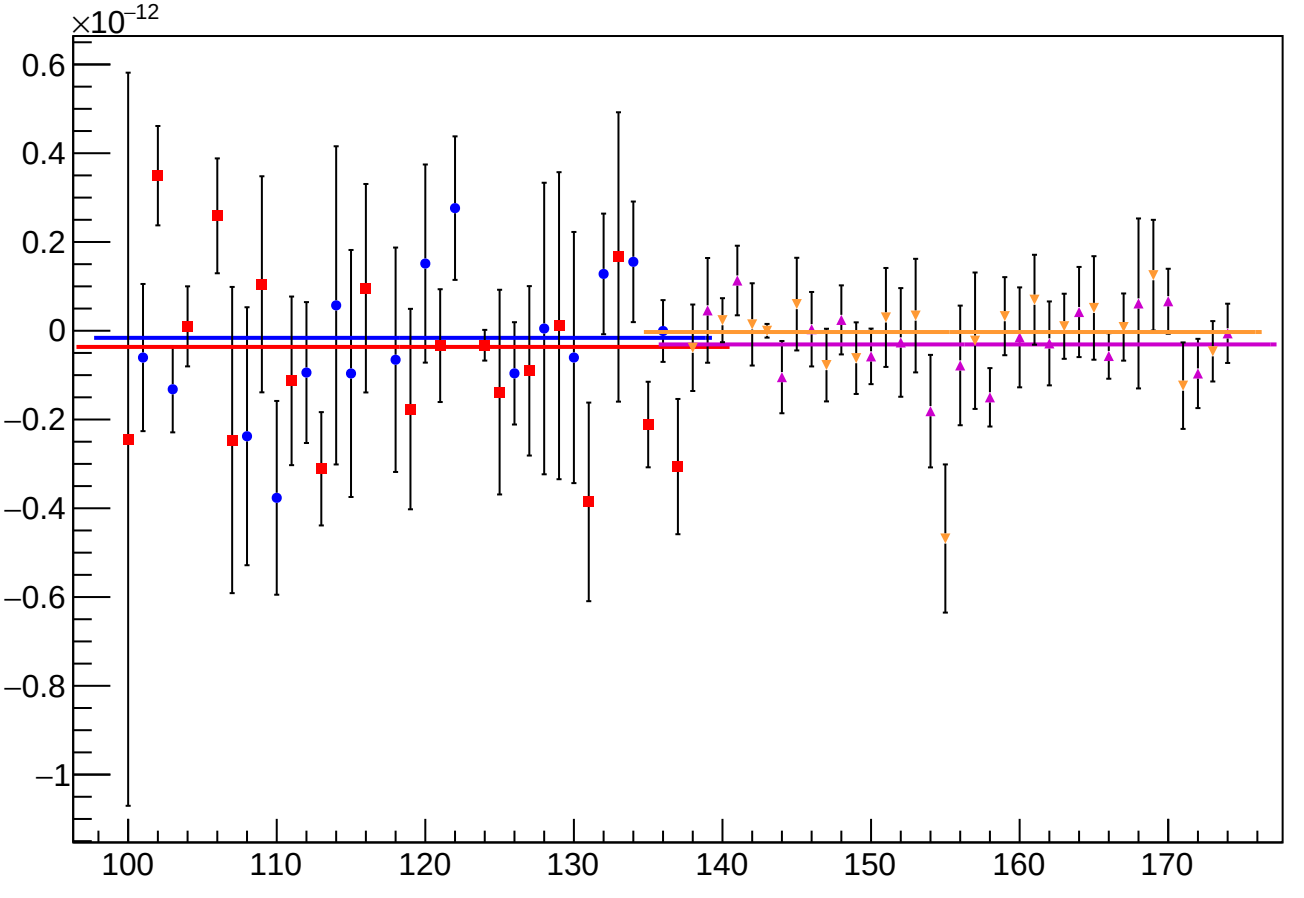
Right: 127.907+/-0.027 χ^2/NDF: 3514005.7/34

In: 189.347+/-0.033 χ^2/NDF:8703437.3/33

Out: 169.270+/-0.031 χ^2/NDF:12560876.8/37

All: 178.771+/-0.023 χ^2/NDF: 21462354.6/71

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 12.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/18

Left In: -0.000+/-0.000 χ^2/NDF:13.9/17

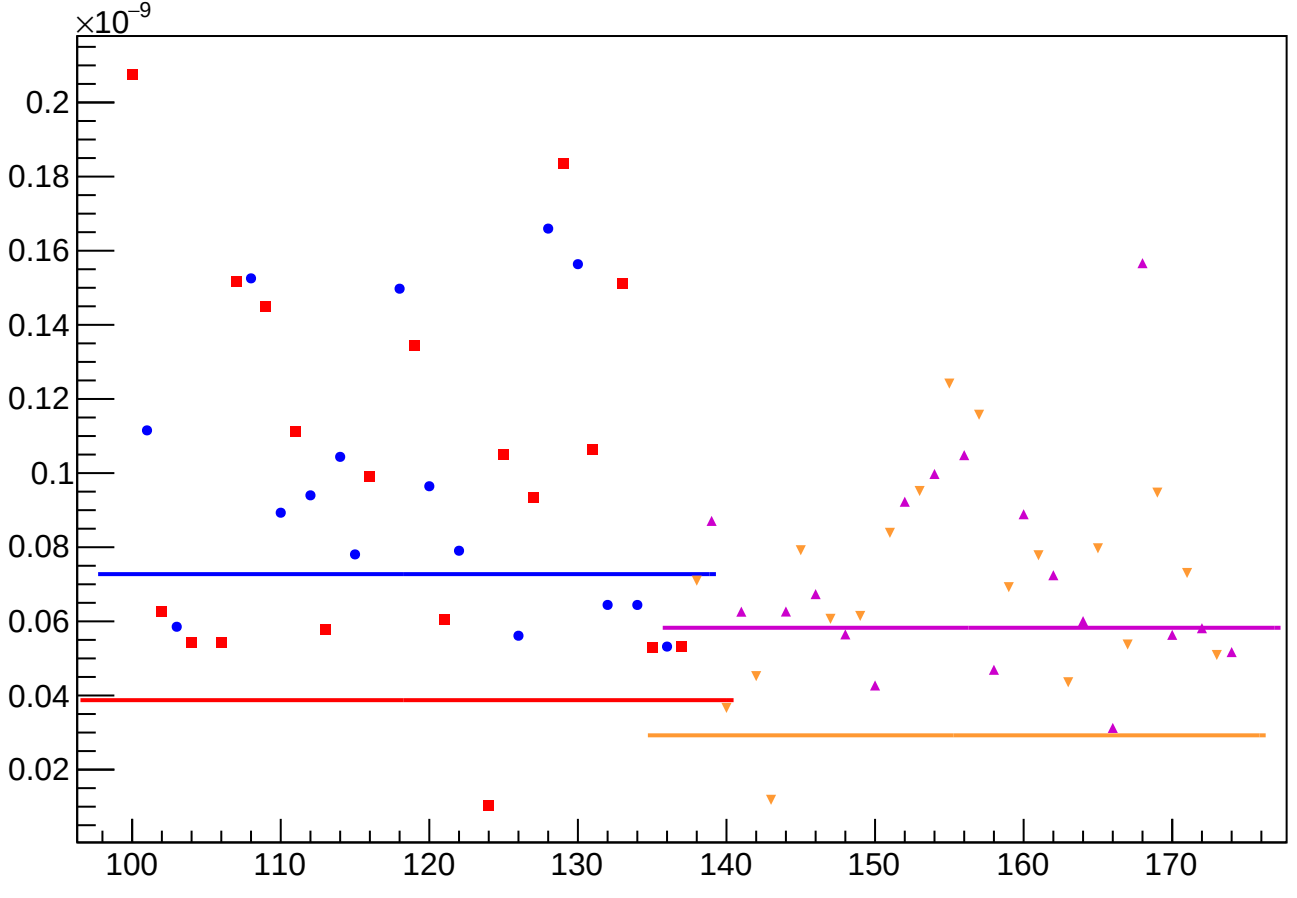
Left: -0.000+/-0.000 χ^2/NDF: 29.5/36

Right: -0.000+/-0.000 χ^2/NDF: 45.7/34

In: -0.000+/-0.000 χ^2/NDF:26.4/33

Out: -0.000+/-0.000 χ^2/NDF:48.7/37

All: -0.000+/-0.000 χ^2/NDF: 75.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1128031.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:9065447.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4266020.5/18

Left In: 0.000+/-0.000 χ^2/NDF:2244028.4/17

Left: 0.000+/-0.000 χ^2/NDF: 14464103.8/36

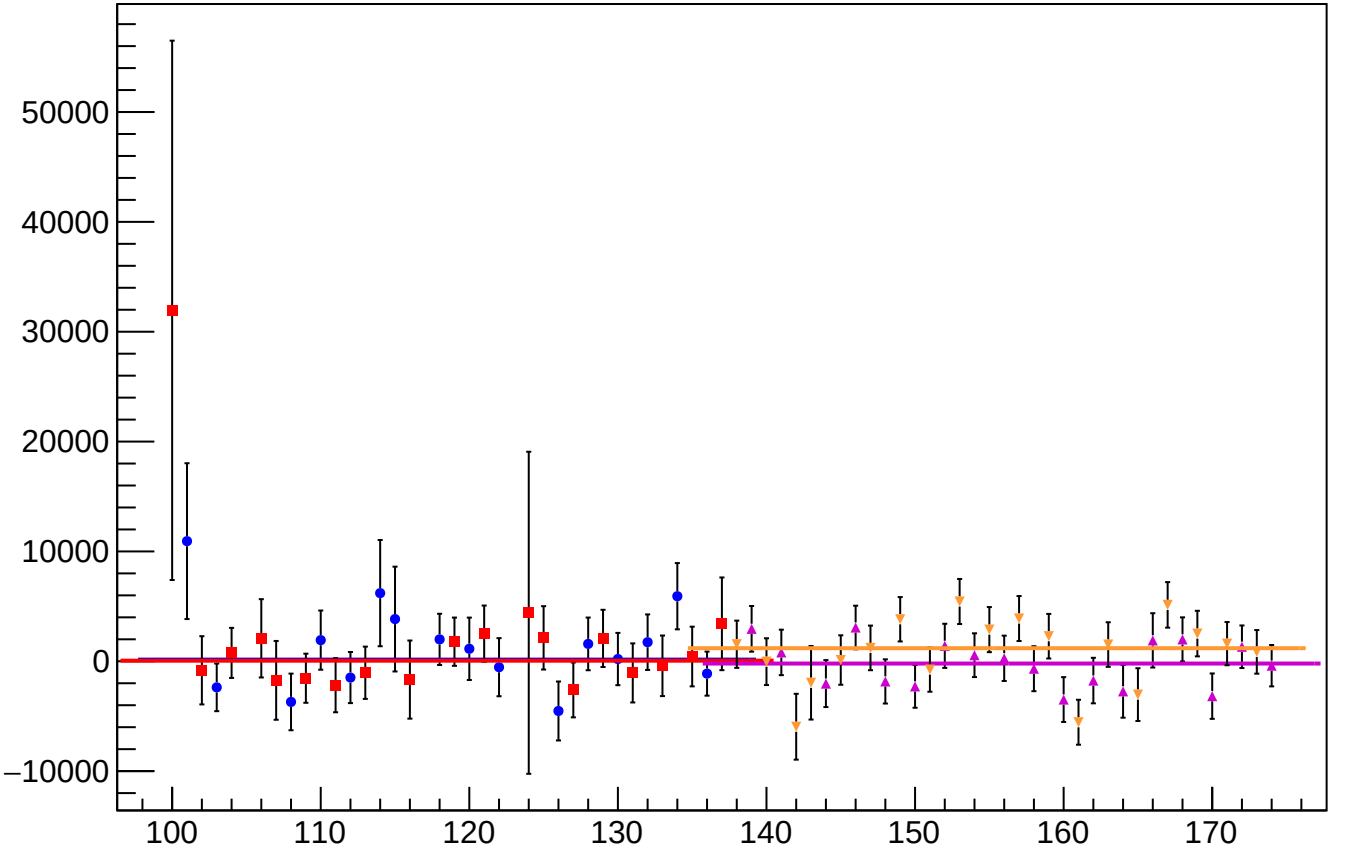
Right: 0.000+/-0.000 χ^2/NDF: 6532086.1/34

In: 0.000+/-0.000 χ^2/NDF:3609365.4/33

Out: 0.000+/-0.000 χ^2/NDF:13556503.8/37

All: 0.000+/-0.000 χ^2/NDF: 21512227.2/71

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.722+/-667.029 χ^2/NDF: 17.7/15

Left Out: 1190.233+/-490.472 χ^2/NDF:34.9/18

Right Out: 54.106+/-655.266 χ^2/NDF: 9.0/18

Left In: -206.576+/-484.233 χ^2/NDF:17.6/17

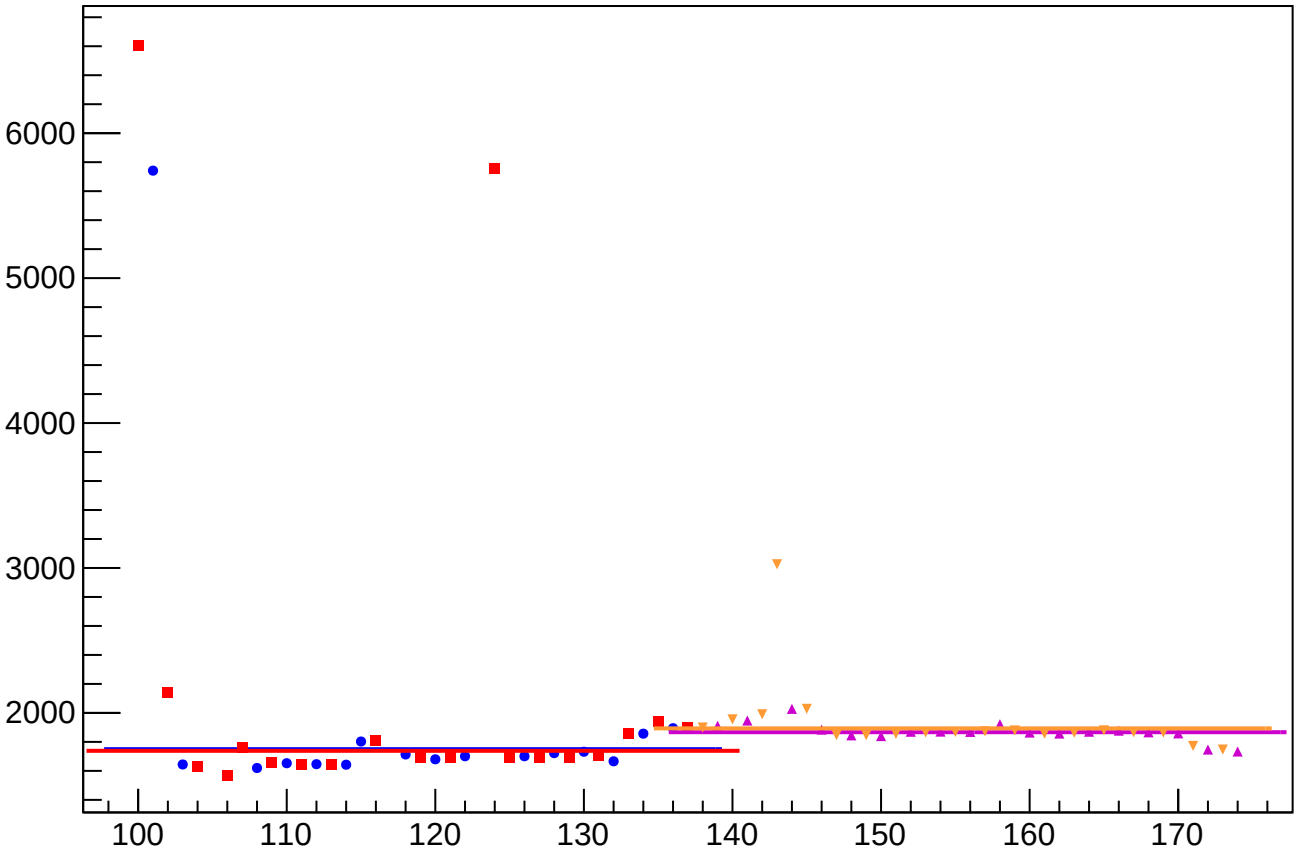
Left: 482.889+/-344.589 χ^2/NDF: 56.6/36

Right: 101.554+/-467.446 χ^2/NDF: 26.6/34

In: -83.263+/-391.862 χ^2/NDF:35.4/33

Out: 782.269+/-392.658 χ^2/NDF:45.8/37

All: 348.625+/-277.370 χ^2/NDF: 83.6/71



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.0/15

Left Out: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1738.493+/-0.460 χ^2/NDF: 304493.3/18

Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

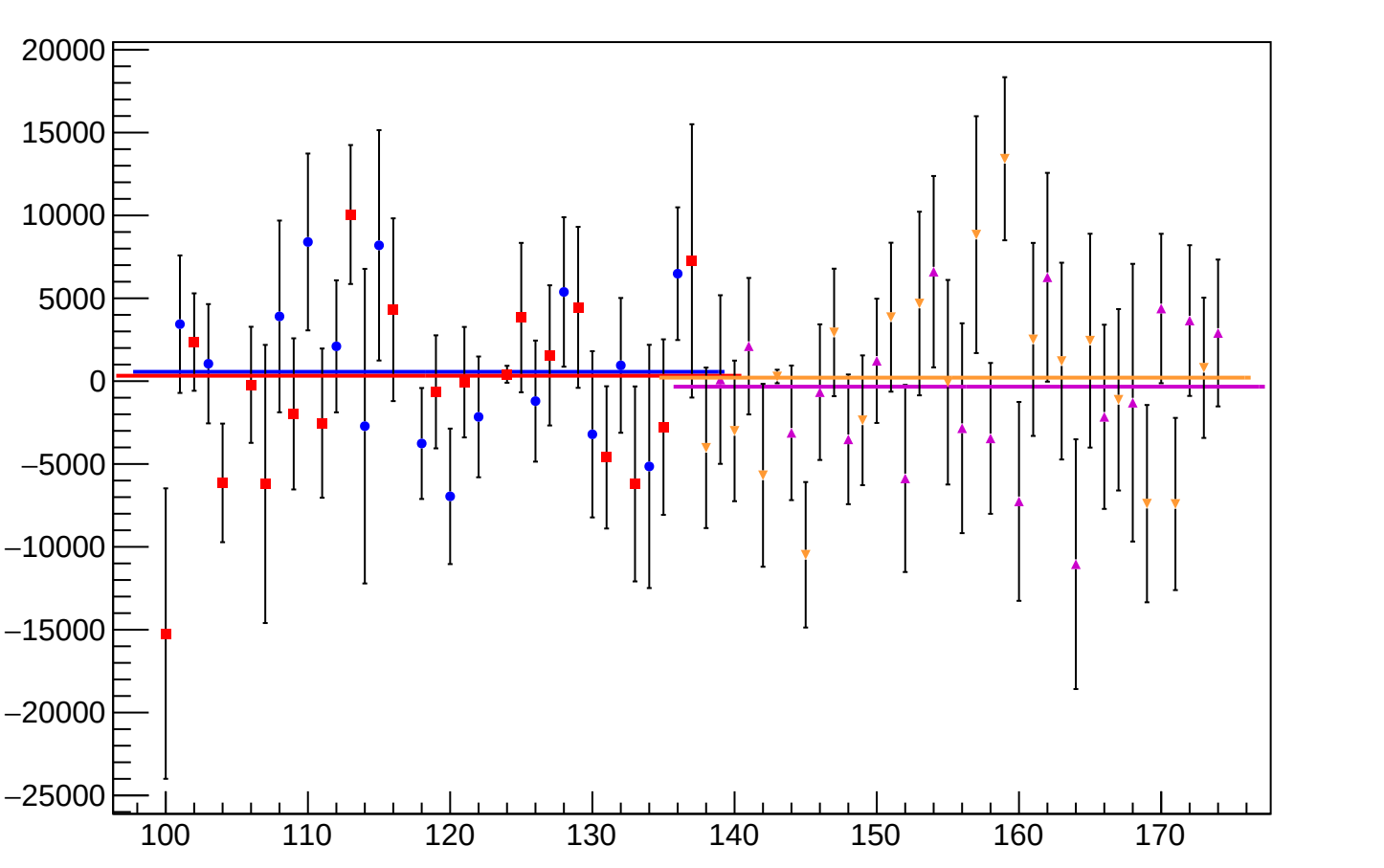
Left: 1879.967+/-0.244 χ^2/NDF: 302105.5/36

Right: 1744.036+/-0.329 χ^2/NDF: 974367.2/34

In: 1826.518+/-0.277 χ^2/NDF:745230.5/33

Out: 1837.223+/-0.277 χ^2/NDF:640607.5/37

All: 1831.874+/-0.196 χ^2/NDF: 1386584.7/71



Right In: 562.339+/-1101.163 χ^2/NDF: 14.8/15

Left Out: 211.482+/-386.438 χ^2/NDF:23.5/18

Right Out: 325.567+/-457.948 χ^2/NDF: 19.2/18

Left In: -334.436+/-1151.189 χ^2/NDF:11.7/17

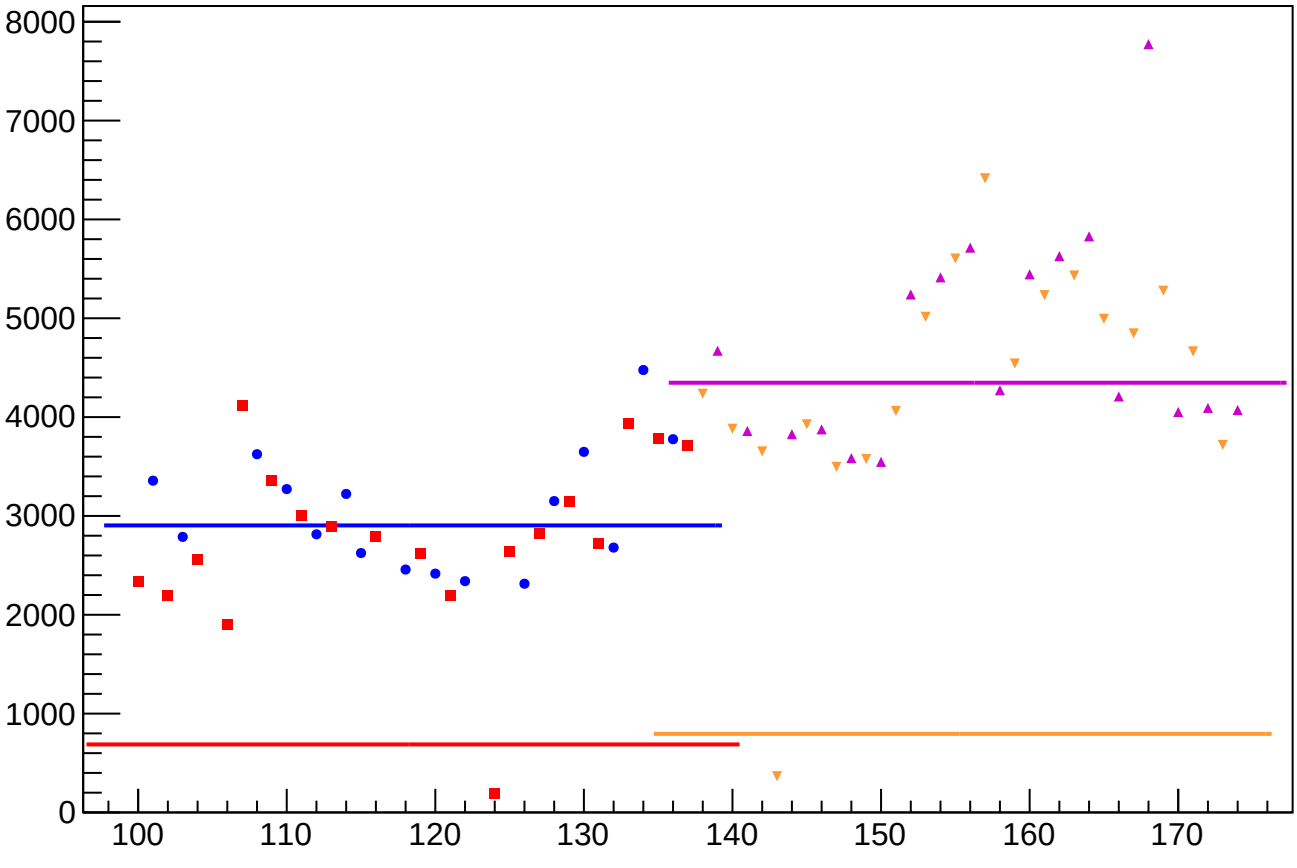
Left: 156.195+/-366.348 χ^2/NDF: 35.4/36

Right: 360.479+/-422.840 χ^2/NDF: 34.1/34

In: 133.860+/-795.738 χ^2/NDF:26.8/33

Out: 258.932+/-295.337 χ^2/NDF:42.8/37

All: 243.789+/-276.882 χ^2/NDF: 69.6/71



Right In: 2904.059+/-0.779 χ^2/NDF: 479774.3/15

Left Out: 795.236+/-0.273 χ^2/NDF:21161834.8/18

Right Out: 688.319+/-0.324 χ^2/NDF: 10148914.1/18

Left In: 4347.720+/-0.814 χ^2/NDF:1059728.0/17

Left: 1155.008+/-0.259 χ^2/NDF: 39338597.3/36

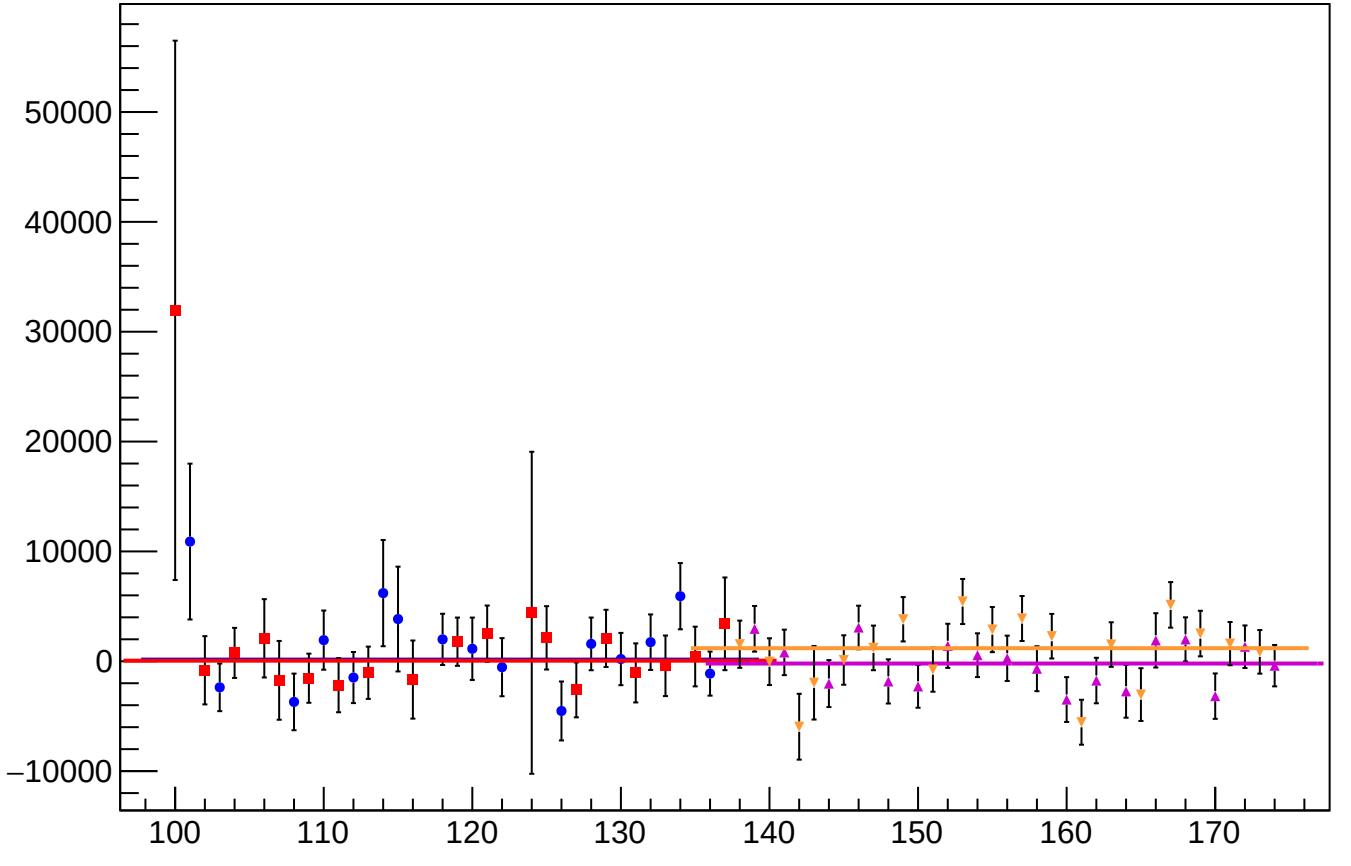
Right: 1015.033+/-0.299 χ^2/NDF: 17532420.1/34

In: 3593.841+/-0.563 χ^2/NDF:3181996.4/33

Out: 750.768+/-0.209 χ^2/NDF:31374423.8/37

All: 1094.989+/-0.196 χ^2/NDF: 56996210.3/7

cor_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 150.254+/-667.029 χ^2/NDF: 17.6/15

Left Out: 1190.206+/-490.472 χ^2/NDF:34.9/18

Right Out: 54.158+/-655.266 χ^2/NDF: 9.0/18

Left In: -206.569+/-484.233 χ^2/NDF:17.6/17

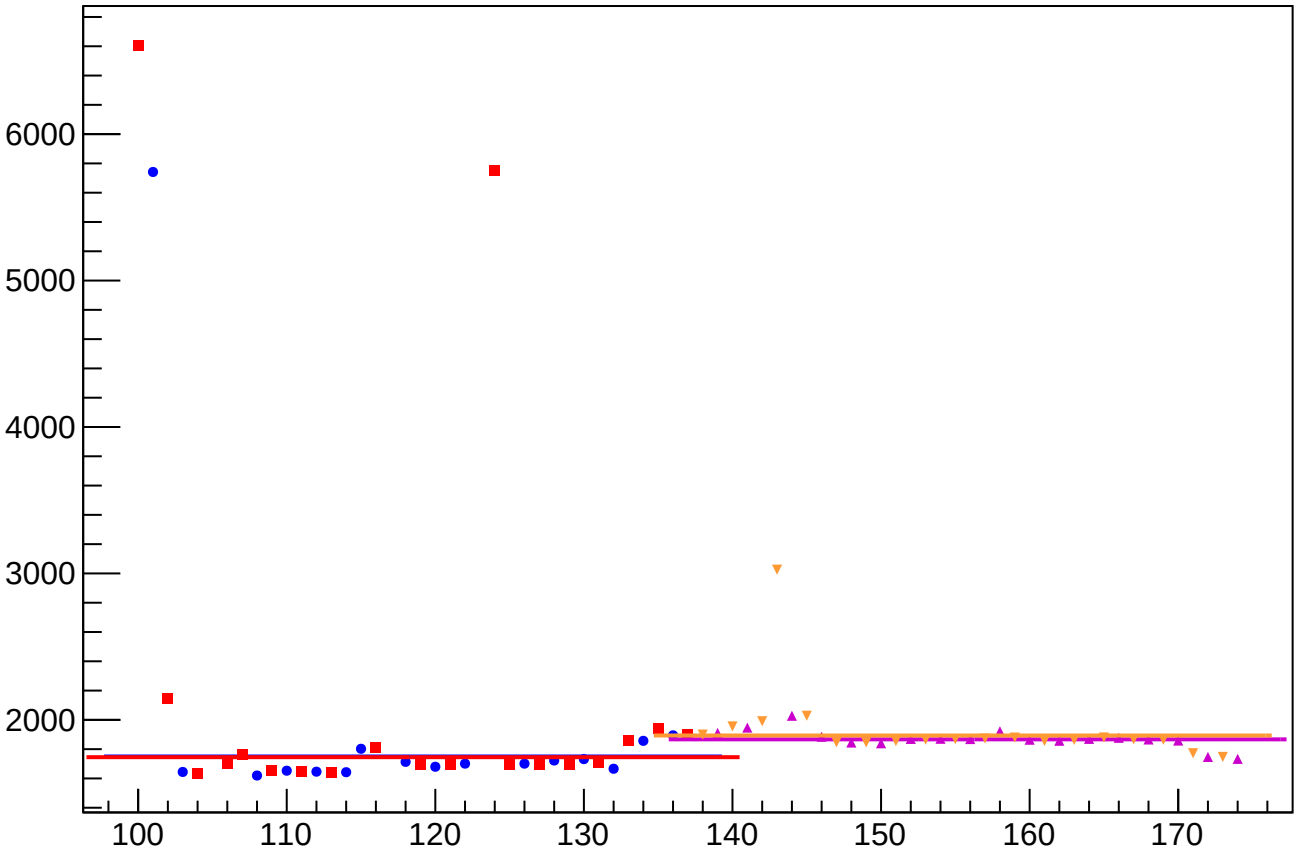
Left: 482.879+/-344.589 χ^2/NDF: 56.6/36

Right: 101.351+/-467.446 χ^2/NDF: 26.6/34

In: -83.420+/-391.862 χ^2/NDF:35.4/33

Out: 782.271+/-392.658 χ^2/NDF:45.8/37

All: 348.547+/-277.370 χ^2/NDF: 83.6/71



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

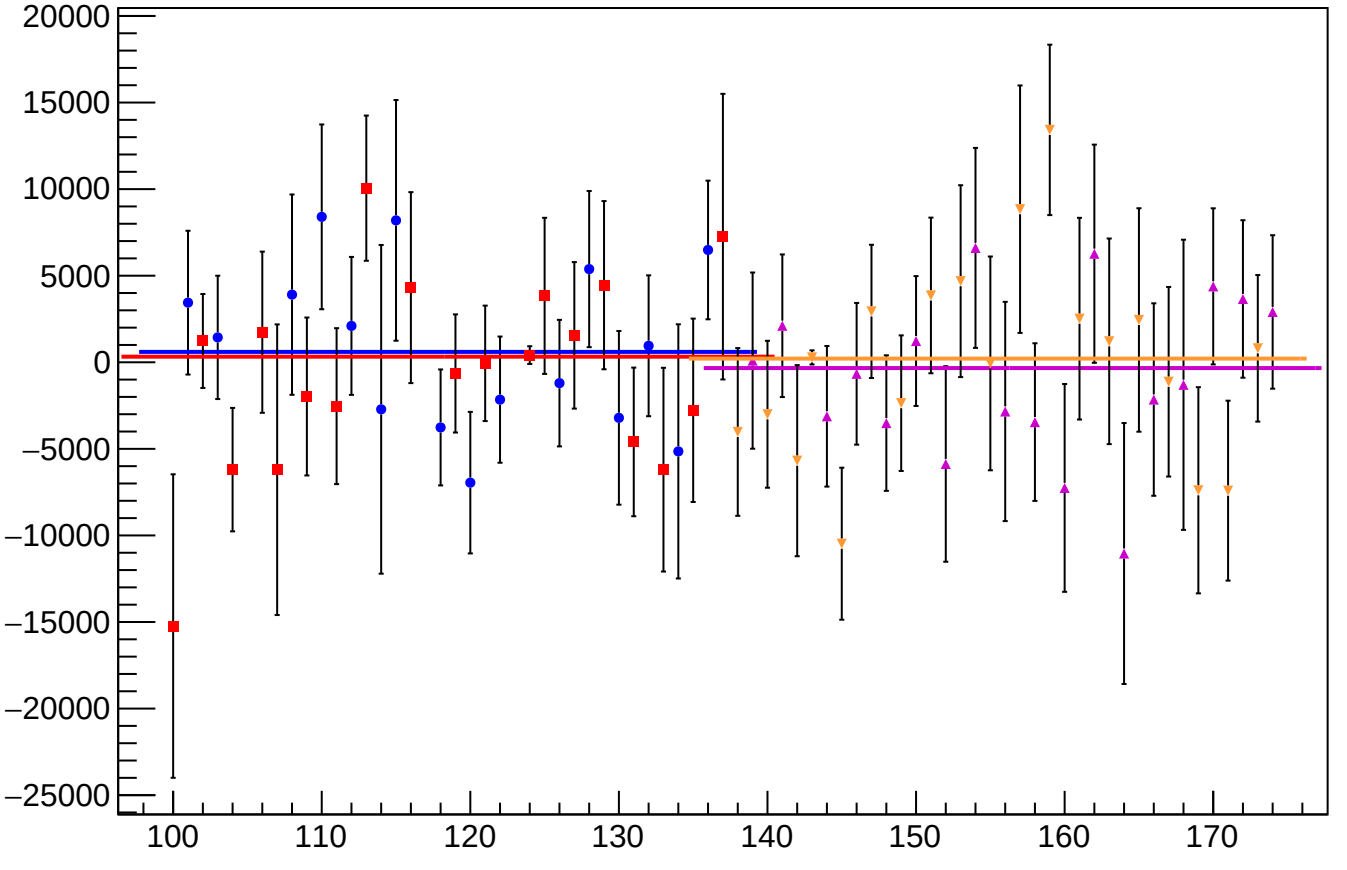
Left: 1879.967+/-0.244 χ^2/NDF: 302105.5/36

Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1826.518+/-0.277 χ^2/NDF:745230.9/33

Out: 1839.897+/-0.277 χ^2/NDF:627674.4/37

All: 1833.203+/-0.196 χ^2/NDF: 1374070.2/71



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 212.405+/-386.469 χ^2/NDF:23.5/18

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -334.470+/-1151.187 χ^2/NDF:11.7/17

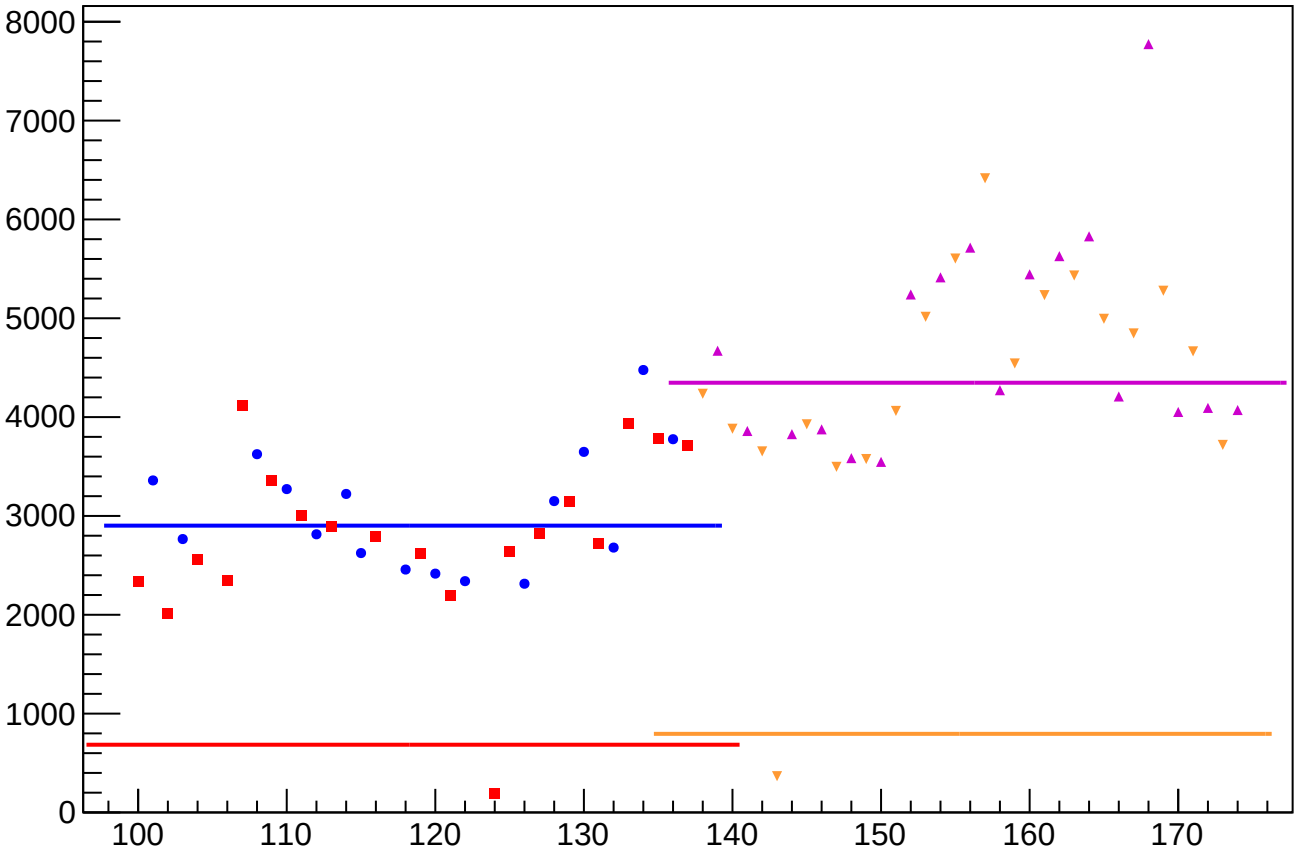
Left: 157.013+/-366.374 χ^2/NDF: 35.4/36

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 154.054+/-795.345 χ^2/NDF:26.9/33

Out: 258.368+/-295.596 χ^2/NDF:42.6/37

All: 245.708+/-277.078 χ^2/NDF: 69.4/71



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 795.341+/-0.273 χ^2/NDF:21161028.6/18

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

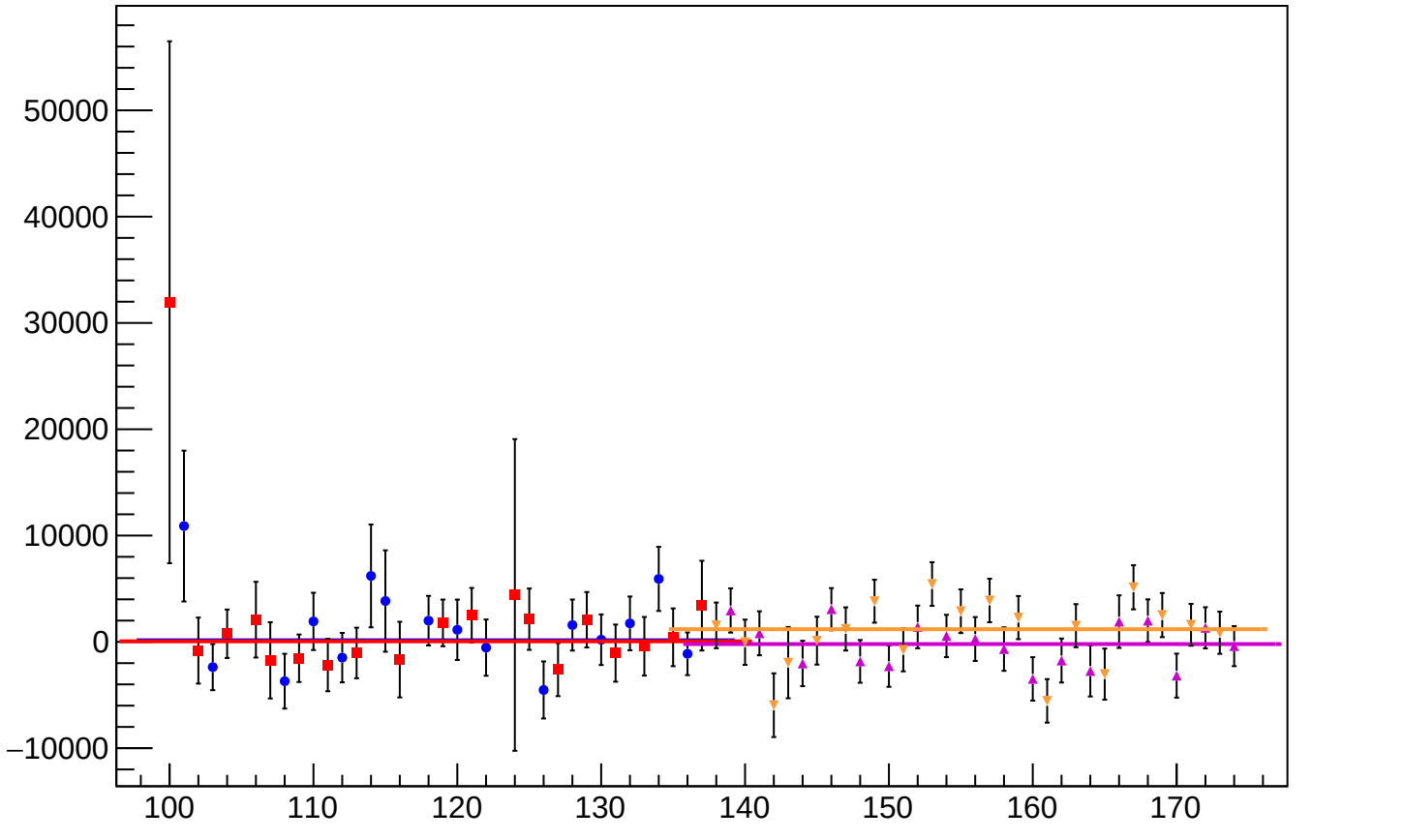
Left: 1155.153+/-0.259 χ^2/NDF: 39336494.4/36

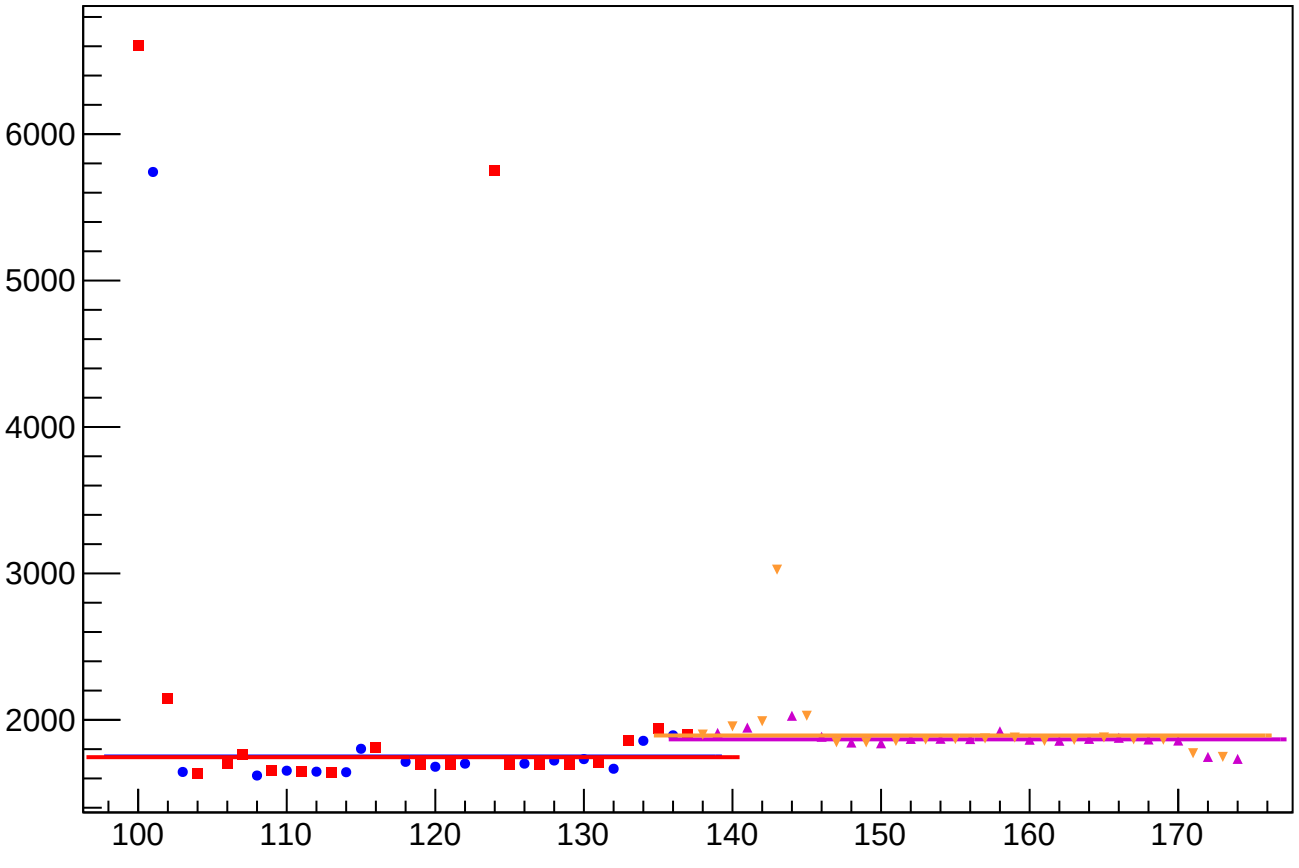
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3592.010+/-0.562 χ^2/NDF:3189643.4/33

Out: 749.658+/-0.209 χ^2/NDF:31334167.1/37

All: 1094.620+/-0.196 χ^2/NDF: 56966918.4/7


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: 1190.206+/-490.472 χ²/NDF:34.9/18
Right Out: 54.158+/-655.266 χ²/NDF: 9.0/18
Left In: -206.569+/-484.233 χ²/NDF:17.6/17
Left: 482.879+/-344.589 χ²/NDF: 56.6/36
Right: 101.351+/-467.446 χ²/NDF: 26.6/34
In: -83.420+/-391.862 χ²/NDF:35.4/33
Out: 782.271+/-392.658 χ²/NDF:45.8/37
All: 348.547+/-277.370 χ²/NDF: 83.6/71



Right In: 1749.864+/-0.472 χ^2/NDF: 669576.1/15

Left Out: 1893.358+/-0.347 χ^2/NDF:263839.3/18

Right Out: 1745.188+/-0.462 χ^2/NDF: 297979.0/18

Left In: 1866.916+/-0.342 χ^2/NDF:35322.5/17

Left: 1879.967+/-0.244 χ^2/NDF: 302105.5/36

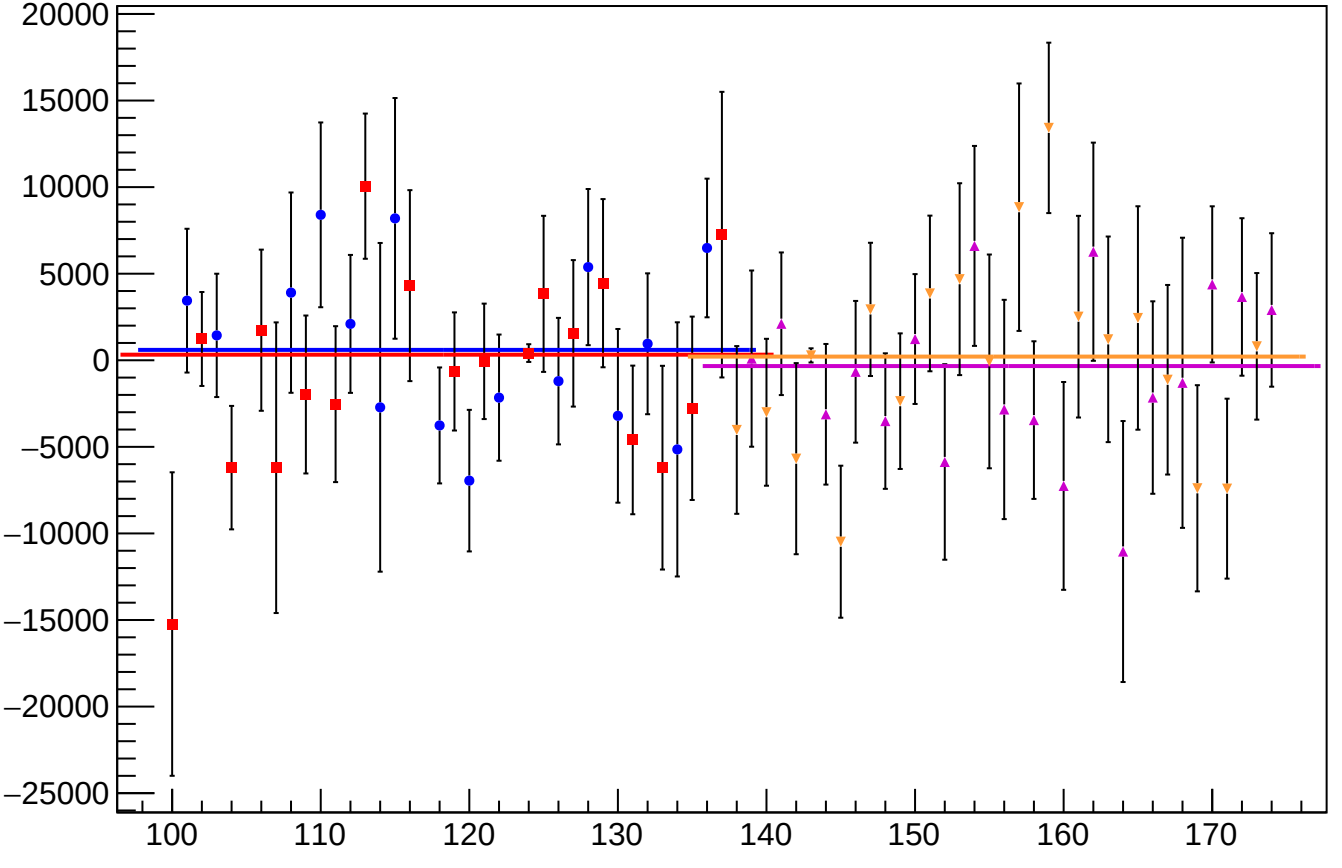
Right: 1747.476+/-0.330 χ^2/NDF: 967605.3/34

In: 1826.518+/-0.277 χ^2/NDF:745230.9/33

Out: 1839.897+/-0.277 χ^2/NDF:627674.4/37

All: 1833.203+/-0.196 χ^2/NDF: 1374070.2/71

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 600.202+/-1100.125 χ^2/NDF: 14.9/15

Left Out: 212.405+/-386.469 χ^2/NDF:23.5/18

Right Out: 323.164+/-458.862 χ^2/NDF: 19.0/18

Left In: -334.470+/-1151.187 χ^2/NDF:11.7/17

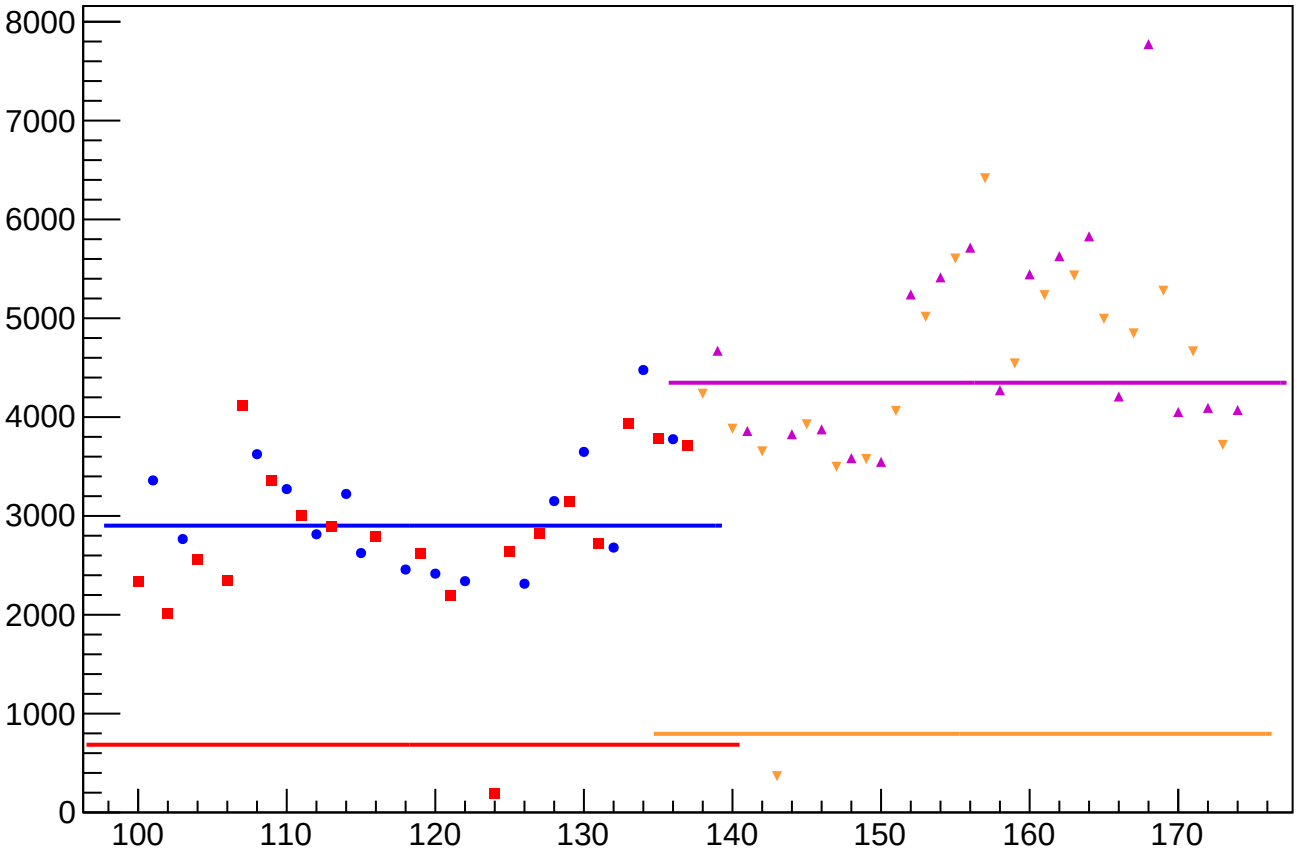
Left: 157.013+/-366.374 χ^2/NDF: 35.4/36

Right: 364.218+/-423.500 χ^2/NDF: 33.9/34

In: 154.054+/-795.345 χ^2/NDF:26.9/33

Out: 258.368+/-295.596 χ^2/NDF:42.6/37

All: 245.708+/-277.078 χ^2/NDF: 69.4/71



Right In: 2901.861+/-0.778 χ^2/NDF: 480934.2/15

Left Out: 795.341+/-0.273 χ^2/NDF:21161028.6/18

Right Out: 685.257+/-0.324 χ^2/NDF: 10105797.4/18

Left In: 4347.711+/-0.814 χ^2/NDF:1059744.6/17

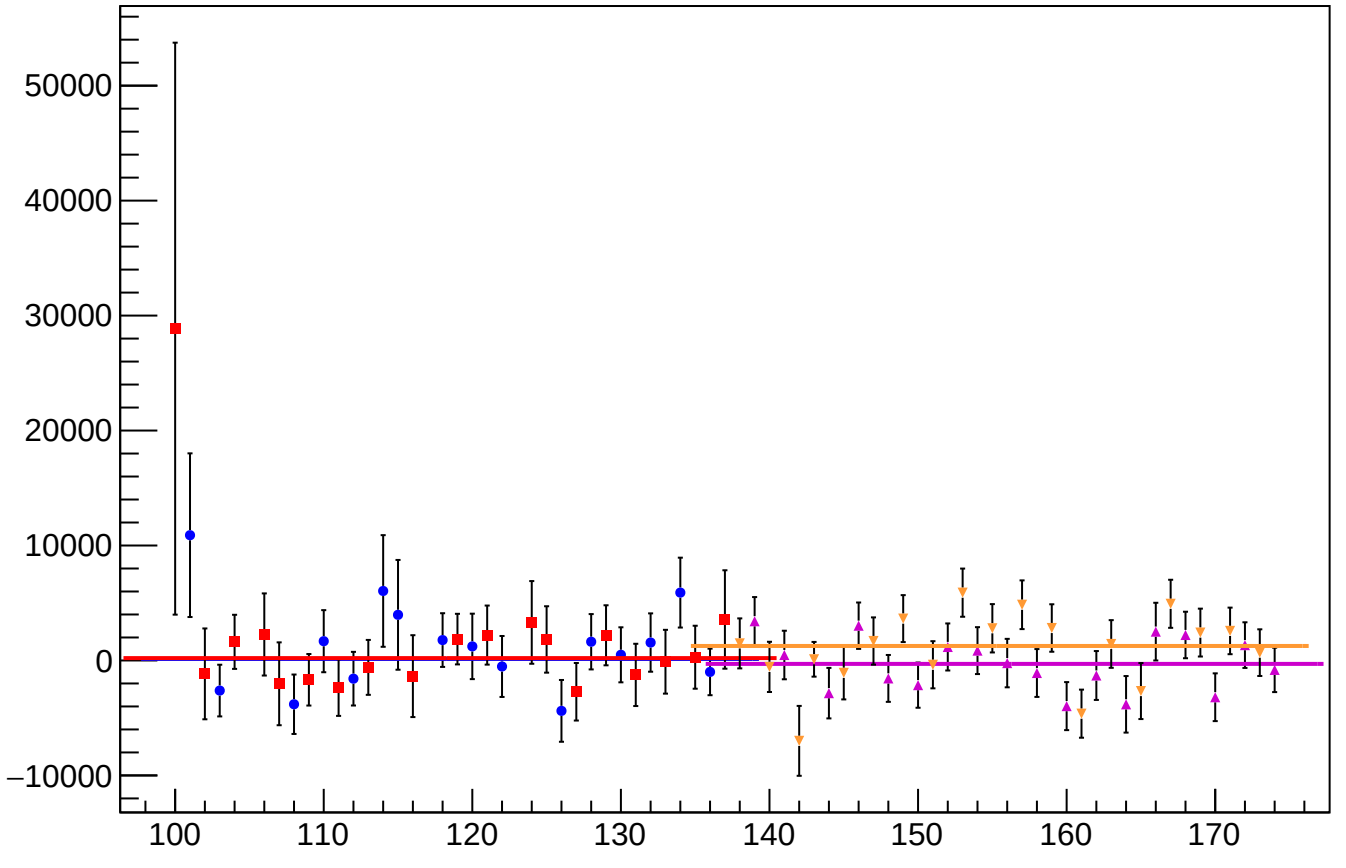
Left: 1155.153+/-0.259 χ^2/NDF: 39336494.4/36

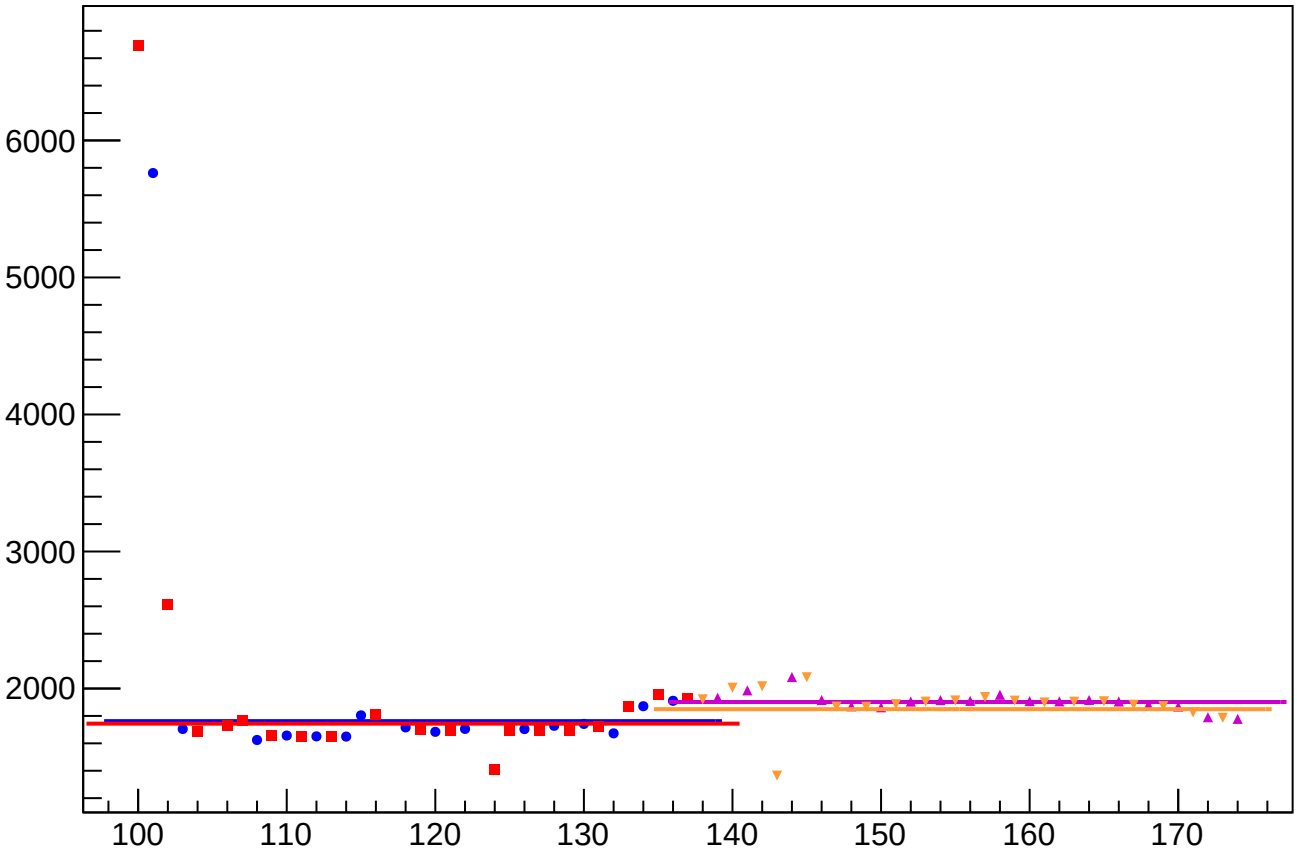
Right: 1013.738+/-0.299 χ^2/NDF: 17502877.4/34

In: 3592.010+/-0.562 χ^2/NDF:3189643.4/33

Out: 749.658+/-0.209 χ^2/NDF:31334167.1/37

All: 1094.620+/-0.196 χ^2/NDF: 56966918.4/7


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: 133.838+/-671.621 χ²/NDF: 17.3/15
Left Out: 1261.827+/-479.090 χ²/NDF:35.0/18
Right Out: 205.424+/-654.444 χ²/NDF: 9.7/18
Left In: -298.014+/-493.282 χ²/NDF:20.4/17
Left: 504.668+/-343.676 χ²/NDF: 60.6/36
Right: 170.558+/-468.717 χ²/NDF: 27.0/34
In: -146.688+/-397.570 χ²/NDF:38.0/33
Out: 893.229+/-386.576 χ²/NDF:46.4/37
All: 387.848+/-277.156 χ²/NDF: 87.9/71



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.399+/-0.339 χ^2/NDF:261136.8/18

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.729+/-0.349 χ^2/NDF:35410.3/17

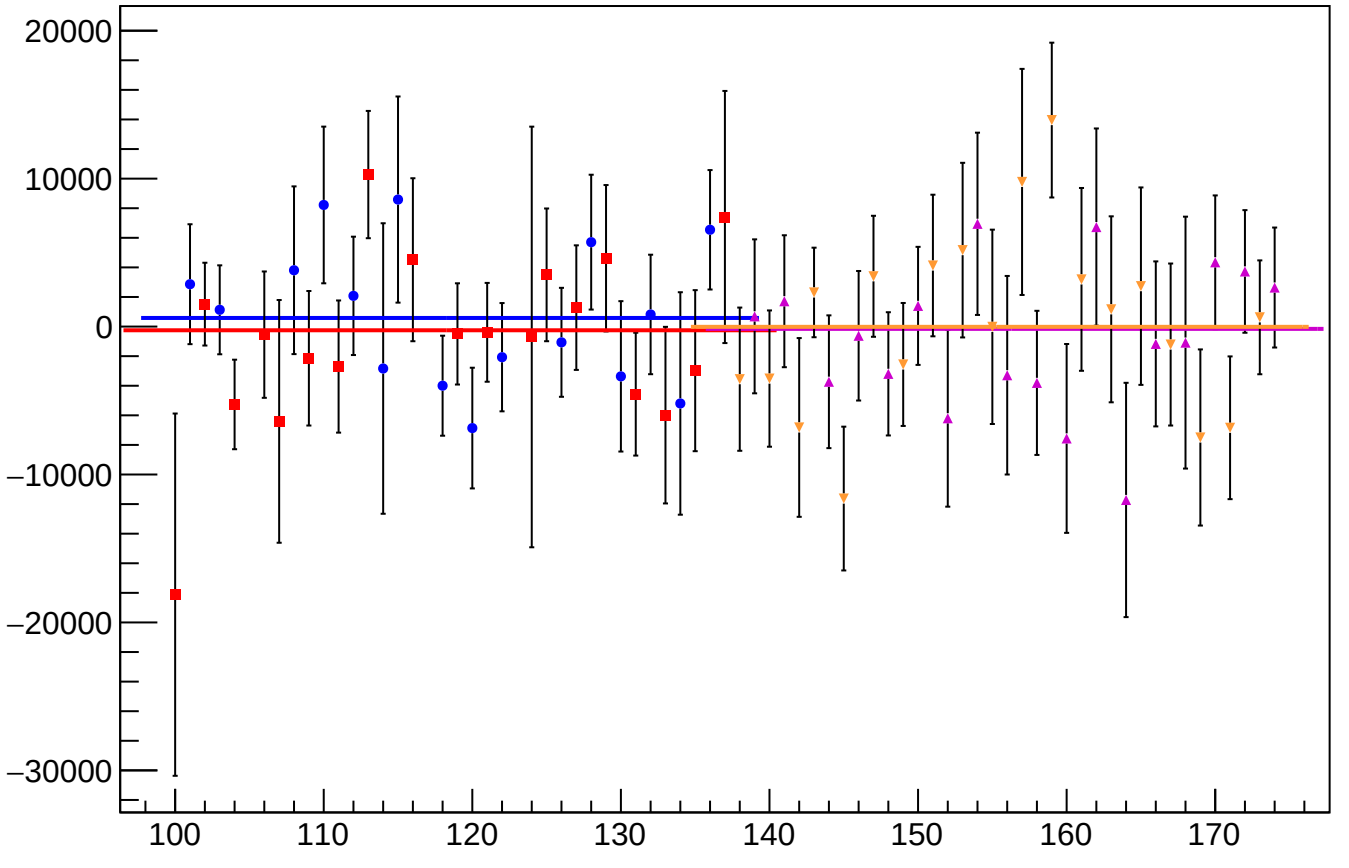
Left: 1874.800+/-0.243 χ^2/NDF: 308129.8/36

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1852.784+/-0.281 χ^2/NDF:759298.5/33

Out: 1812.388+/-0.273 χ^2/NDF:522978.7/37

All: 1832.000+/-0.196 χ^2/NDF: 1292901.4/71



Right In: 582.223+/-1081.481 χ^2/NDF: 14.9/15

Left Out: -17.632+/-1131.149 χ^2/NDF:24.2/18

Right Out: -250.224+/-1021.012 χ^2/NDF: 17.9/18

Left In: -155.442+/-1190.904 χ^2/NDF:11.6/17

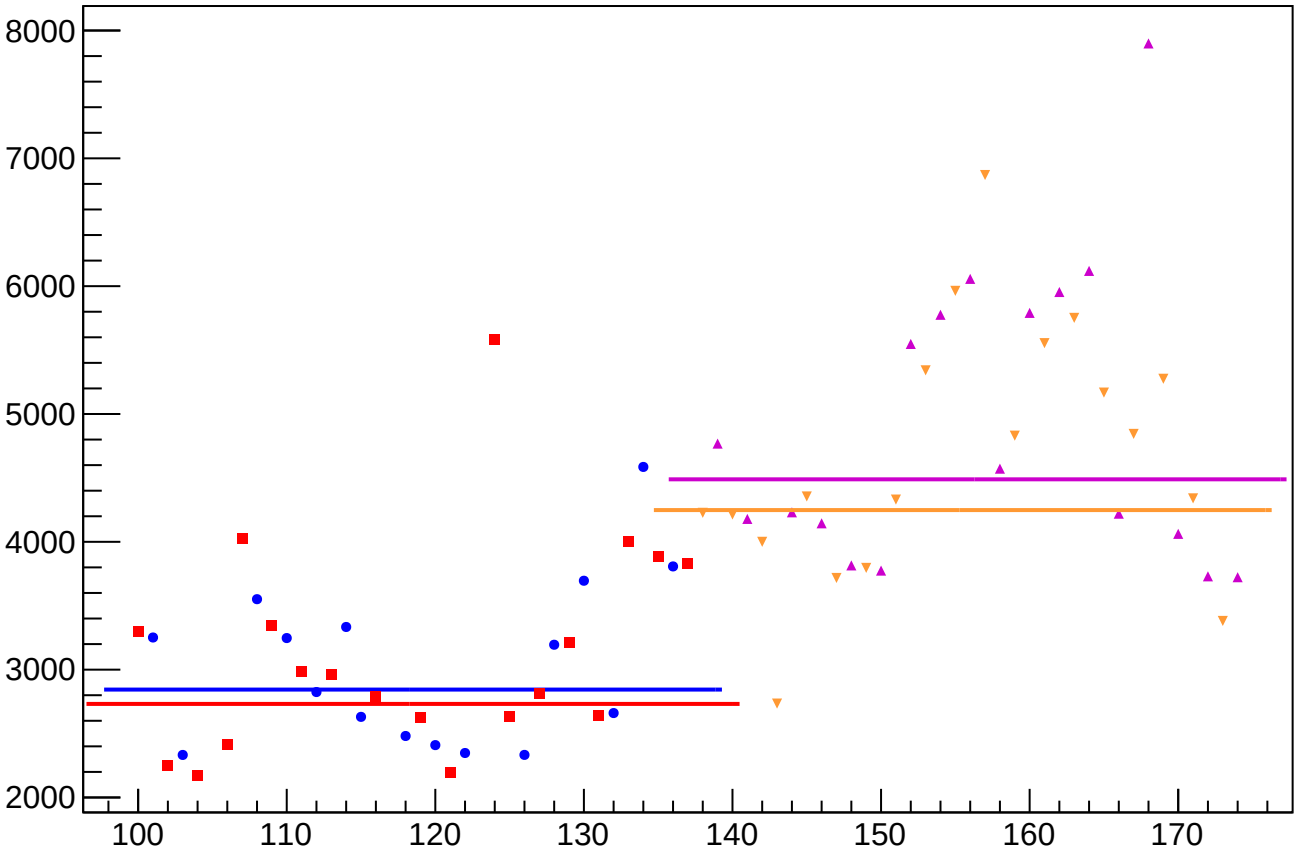
Left: -82.993+/-820.154 χ^2/NDF: 35.8/36

Right: 142.078+/-742.422 χ^2/NDF: 33.1/34

In: 248.830+/-800.619 χ^2/NDF:26.7/33

Out: -145.800+/-757.919 χ^2/NDF:42.1/37

All: 40.711+/-550.406 χ^2/NDF: 68.9/71



Right In: 2844.153+/-0.765 χ^2/NDF: 542032.5/15

Left Out: 4248.351+/-0.800 χ^2/NDF:1454948.7/18

Right Out: 2731.978+/-0.722 χ^2/NDF: 611275.1/18

Left In: 4488.918+/-0.842 χ^2/NDF:1156925.9/17

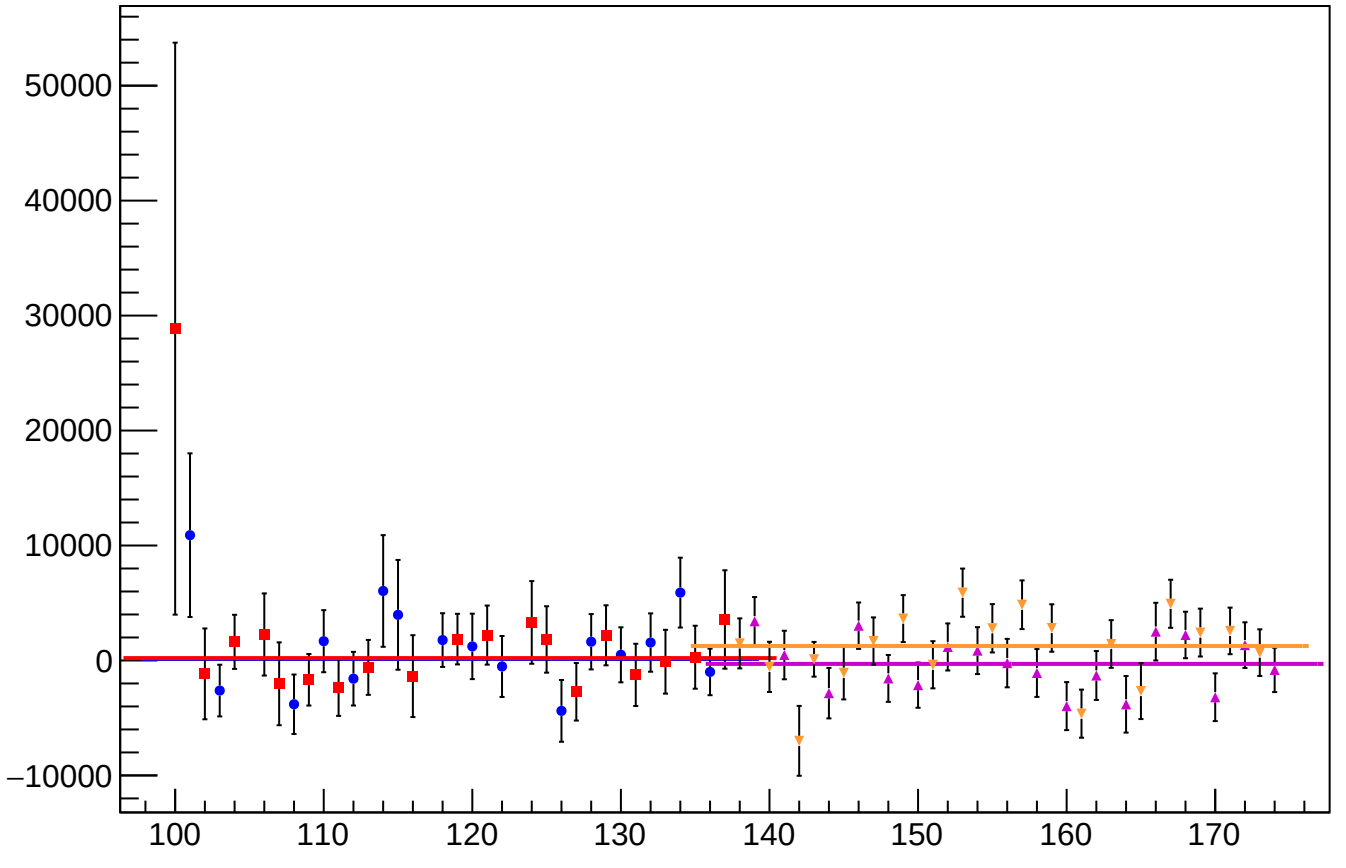
Left: 4362.448+/-0.580 χ^2/NDF: 2654778.9/36

Right: 2784.841+/-0.525 χ^2/NDF: 1164684.5/34

In: 3587.518+/-0.566 χ^2/NDF:3789689.5/33

Out: 3412.767+/-0.536 χ^2/NDF:4046778.4/37

All: 3495.358+/-0.389 χ^2/NDF: 7886718.0/71



Right In: 133.837+/-671.621 χ^2/NDF: 17.3/15

Left Out: 1261.827+/-479.090 χ^2/NDF:35.0/18

Right Out: 205.422+/-654.444 χ^2/NDF: 9.7/18

Left In: -298.015+/-493.282 χ^2/NDF:20.4/17

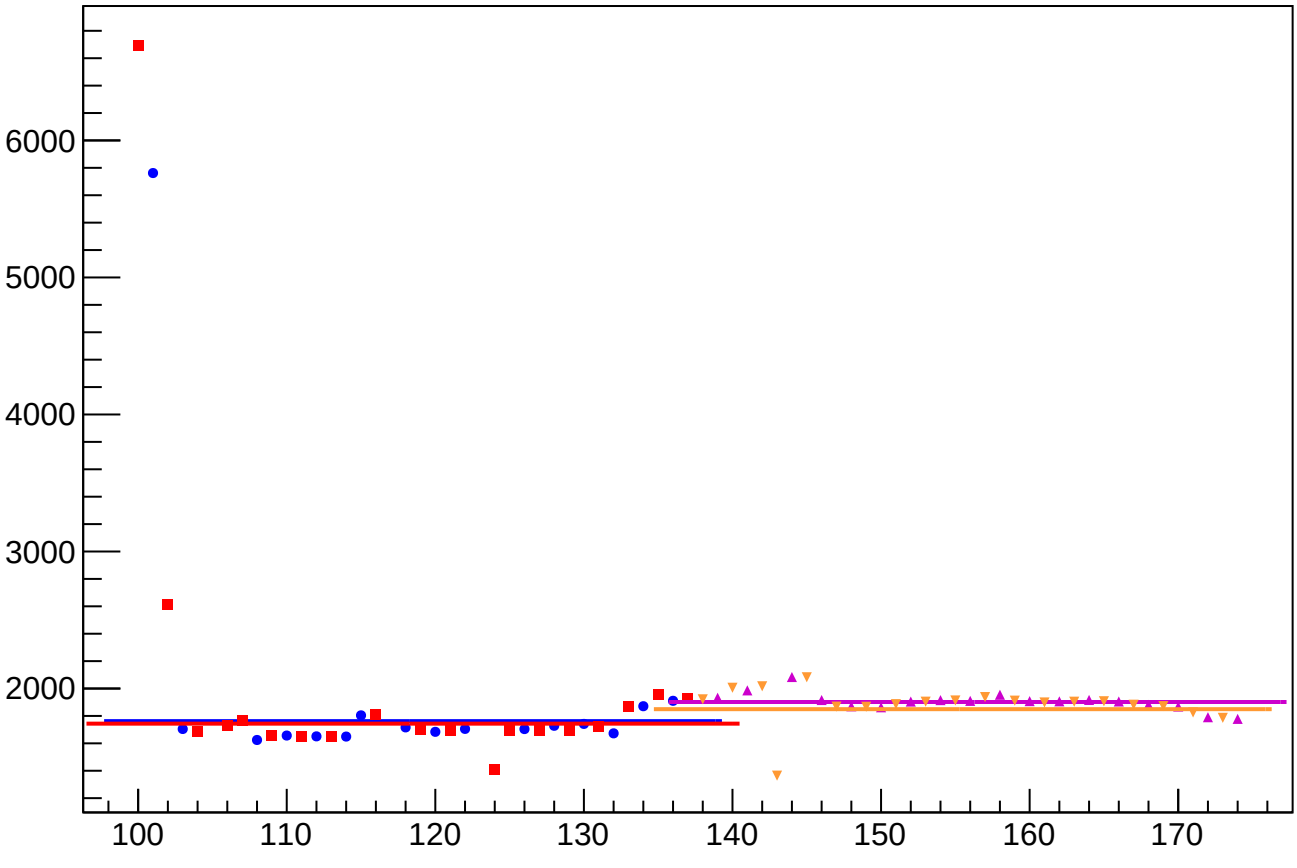
Left: 504.668+/-343.676 χ^2/NDF: 60.6/36

Right: 170.557+/-468.717 χ^2/NDF: 27.0/34

In: -146.689+/-397.570 χ^2/NDF:38.0/33

Out: 893.228+/-386.576 χ^2/NDF:46.4/37

All: 387.848+/-277.156 χ^2/NDF: 87.9/71



Right In: 1762.052+/-0.475 χ^2/NDF: 667696.6/15

Left Out: 1849.399+/-0.339 χ^2/NDF:261138.4/18

Right Out: 1743.723+/-0.461 χ^2/NDF: 227762.1/18

Left In: 1901.730+/-0.349 χ^2/NDF:35411.4/17

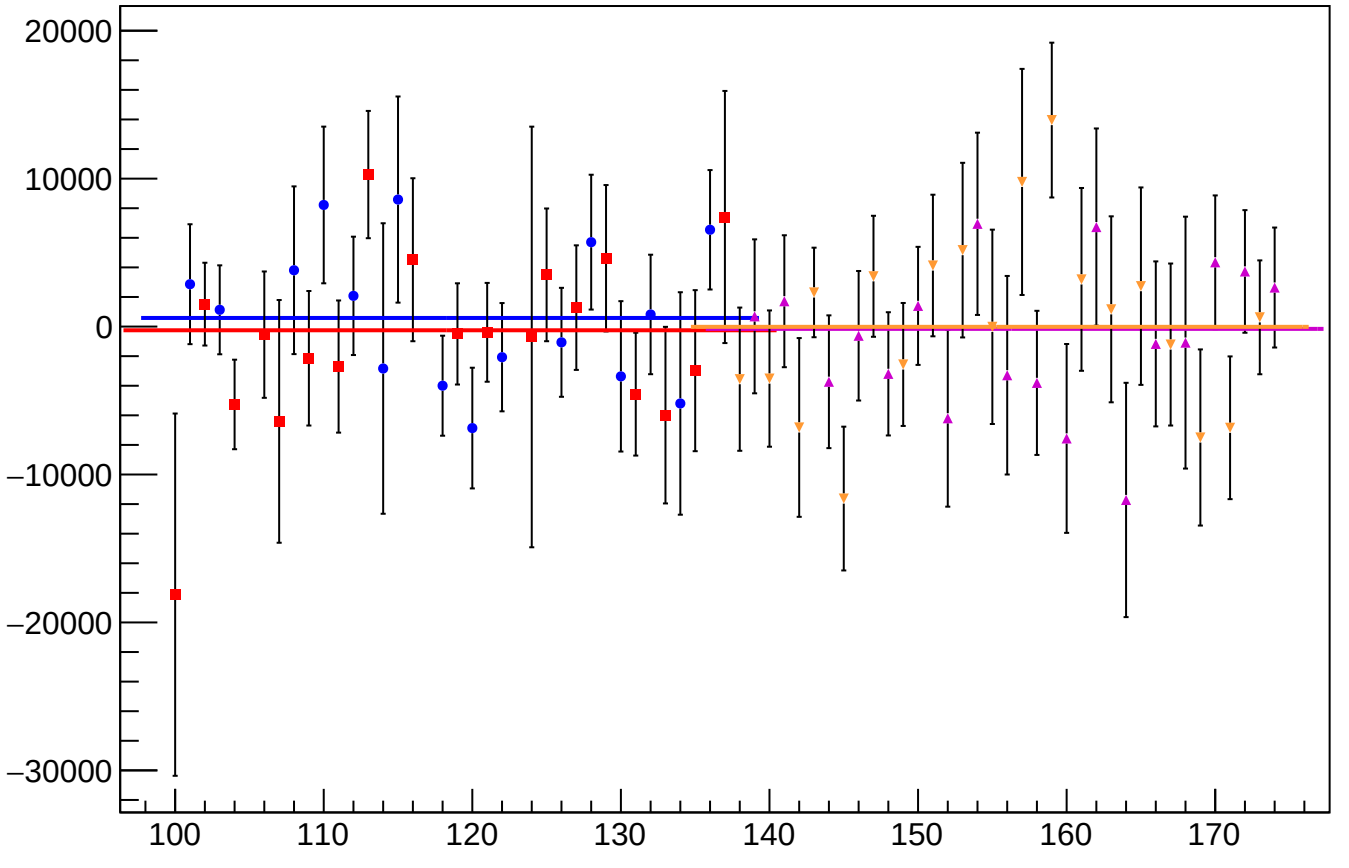
Left: 1874.801+/-0.243 χ^2/NDF: 308132.7/36

Right: 1752.624+/-0.331 χ^2/NDF: 896224.9/34

In: 1852.785+/-0.281 χ^2/NDF:759300.0/33

Out: 1812.388+/-0.273 χ^2/NDF:522980.6/37

All: 1832.000+/-0.196 χ^2/NDF: 1292904.8/71



Right In: 582.219+/-1081.478 χ^2/NDF: 14.9/15

Left Out: -17.629+/-1131.150 χ^2/NDF:24.2/18

Right Out: -250.225+/-1021.010 χ^2/NDF: 17.9/18

Left In: -155.442+/-1190.906 χ^2/NDF:11.6/17

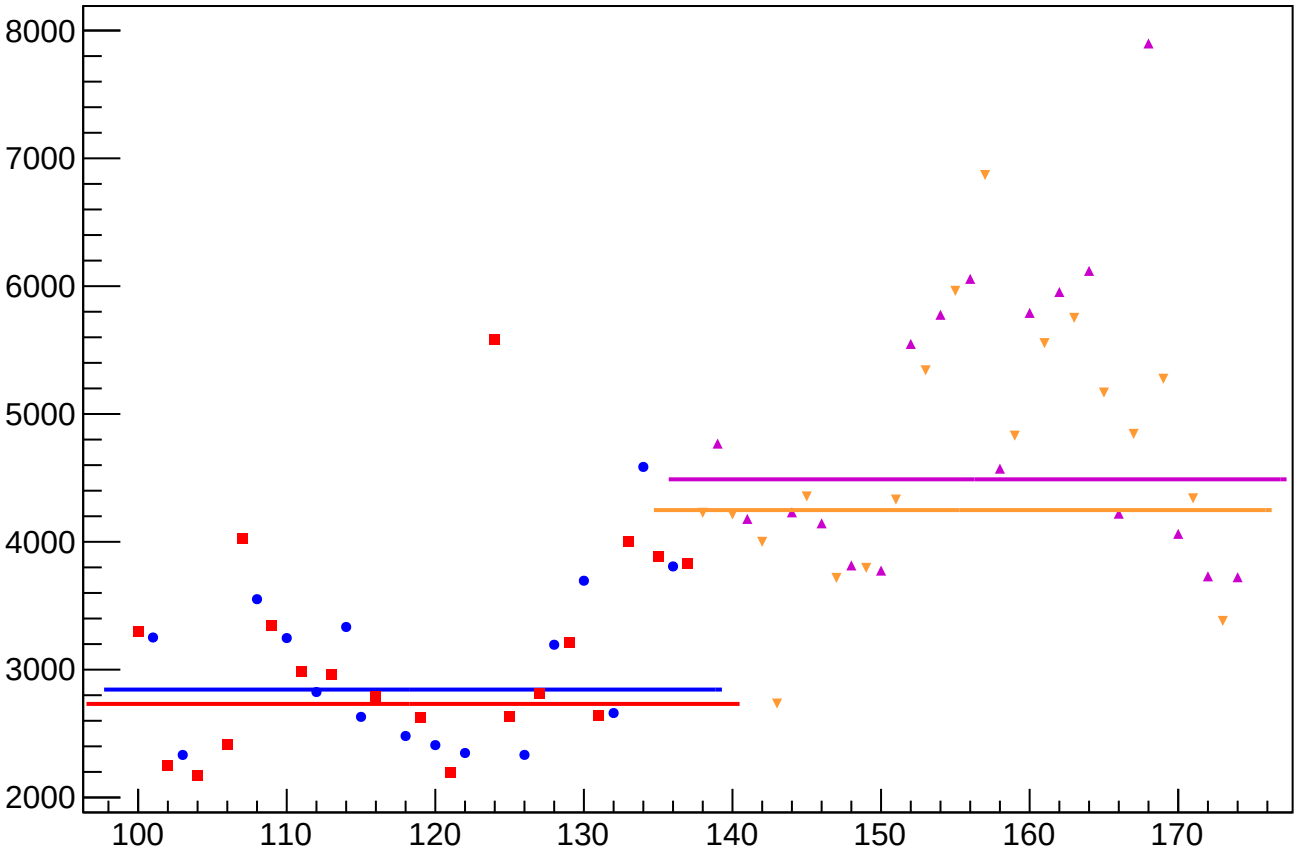
Left: -82.992+/-820.156 χ^2/NDF: 35.8/36

Right: 142.075+/-742.420 χ^2/NDF: 33.1/34

In: 248.828+/-800.618 χ^2/NDF:26.7/33

Out: -145.799+/-757.919 χ^2/NDF:42.1/37

All: 40.711+/-550.406 χ^2/NDF: 68.9/71



Right In: 2844.145+/-0.765 χ^2/NDF: 542036.2/15

Left Out: 4248.357+/-0.800 χ^2/NDF:1454951.9/18

Right Out: 2731.972+/-0.722 χ^2/NDF: 611272.5/18

Left In: 4488.925+/-0.842 χ^2/NDF:1156925.3/17

Left: 4362.455+/-0.580 χ^2/NDF: 2654781.7/36

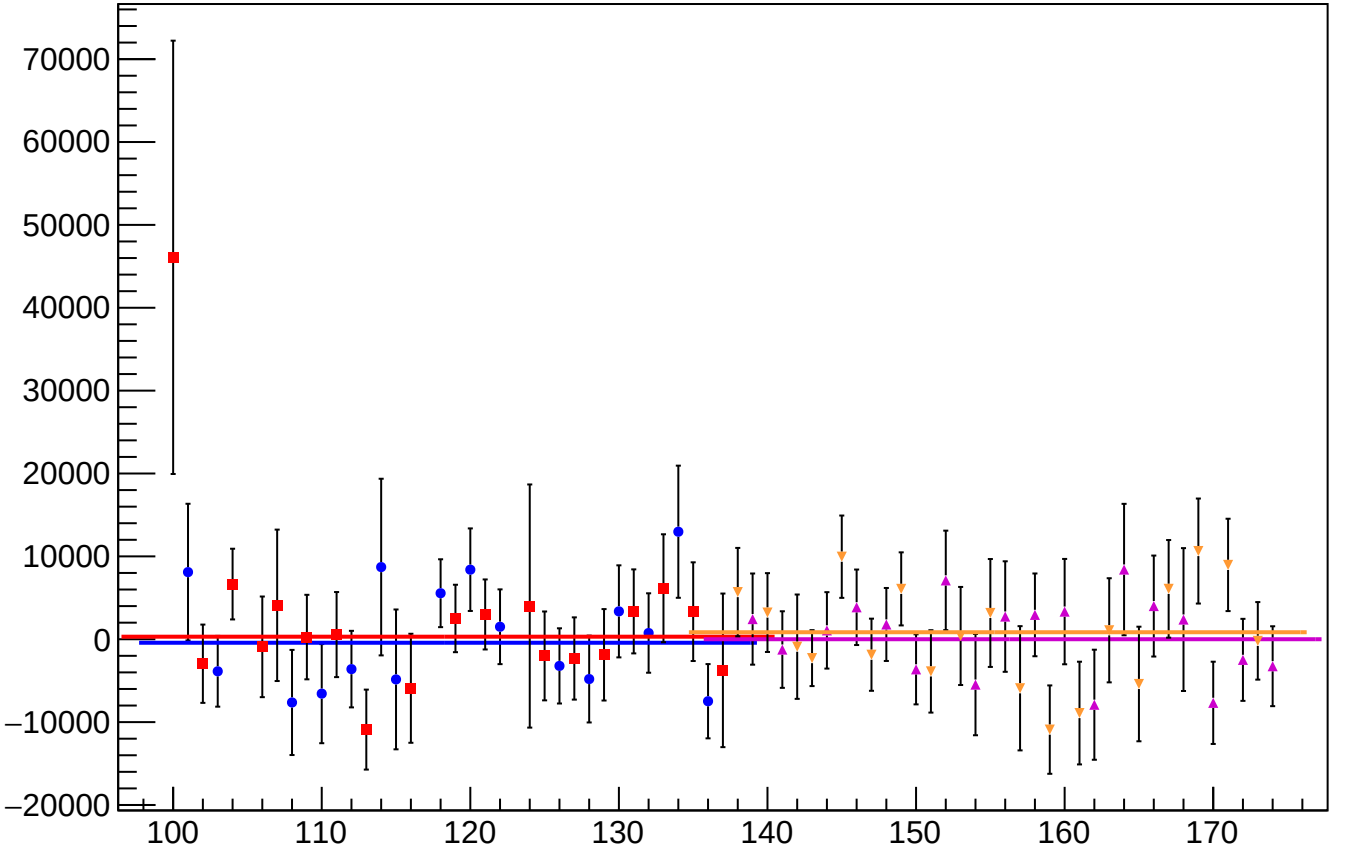
Right: 2784.835+/-0.525 χ^2/NDF: 1164685.2/34

In: 3587.513+/-0.566 χ^2/NDF:3789732.5/33

Out: 3412.764+/-0.536 χ^2/NDF:4046811.1/37

All: 3495.355+/-0.389 χ^2/NDF: 7886793.0/71

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -423.131+/-1327.258 χ^2/NDF: 17.9/15

Left Out: 846.491+/-1206.831 χ^2/NDF:22.5/18

Right Out: 307.823+/-1275.718 χ^2/NDF: 15.3/18

Left In: 1.704+/-1261.887 χ^2/NDF:11.1/17

Left: 442.928+/-872.173 χ^2/NDF: 33.8/36

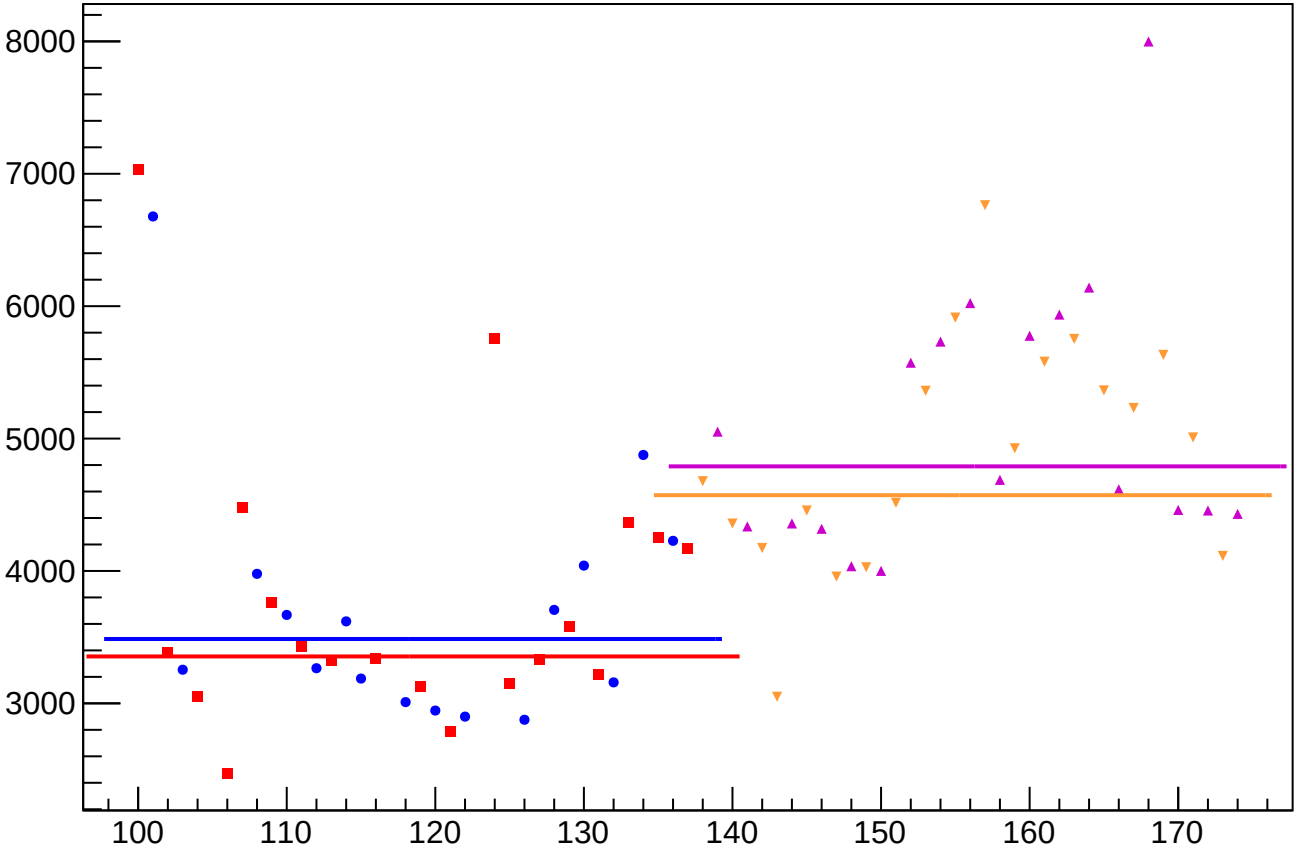
Right: -43.186+/-919.750 χ^2/NDF: 33.3/34

In: -199.994+/-914.526 χ^2/NDF:29.0/33

Out: 592.093+/-876.700 χ^2/NDF:37.9/37

All: 212.769+/-632.871 χ^2/NDF: 67.3/71

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3486.167+/-0.939 χ^2/NDF: 595790.9/15

Left Out: 4572.238+/-0.853 χ^2/NDF:1053719.8/18

Right Out: 3354.426+/-0.889 χ^2/NDF: 376426.3/18

Left In: 4790.041+/-0.892 χ^2/NDF:815674.6/17

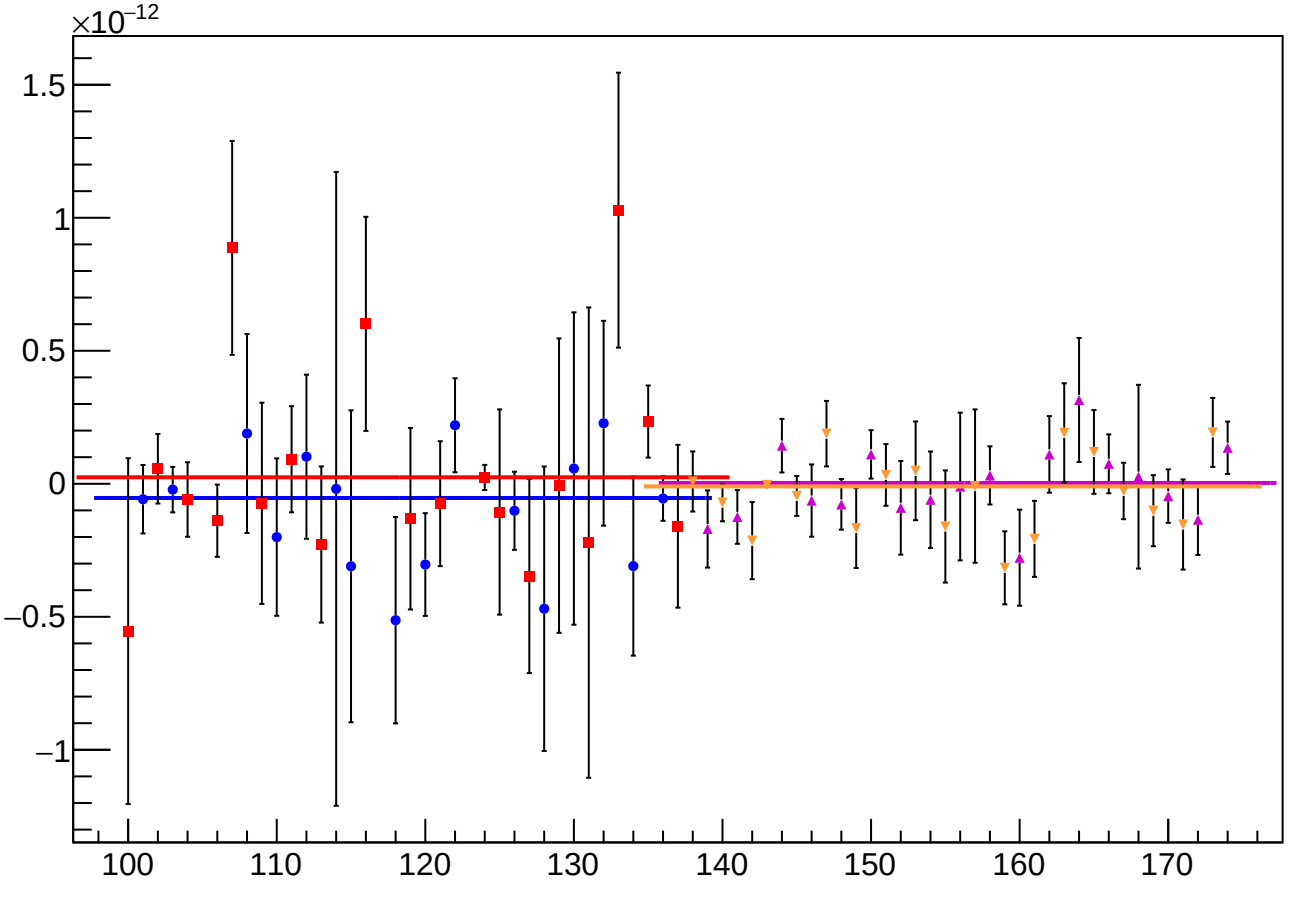
Left: 4676.285+/-0.617 χ^2/NDF: 1900513.3/36

Right: 3416.767+/-0.646 χ^2/NDF: 982597.4/34

In: 4171.002+/-0.647 χ^2/NDF:2425242.2/33

Out: 3988.571+/-0.616 χ^2/NDF:2406220.5/37

All: 4075.328+/-0.446 χ^2/NDF: 4873200.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/17

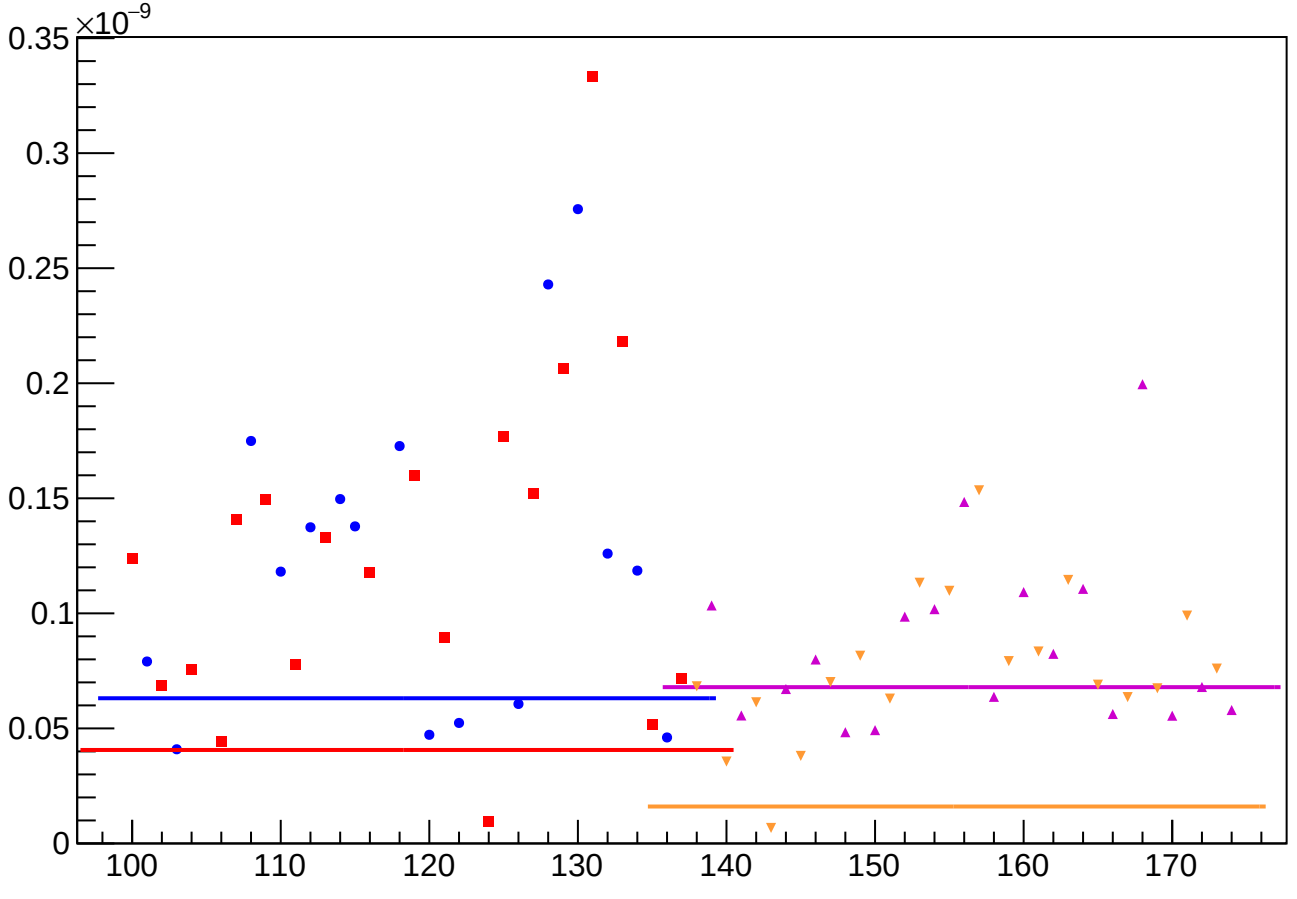
Left: -0.000+/-0.000 χ^2/NDF: 36.3/36

Right: -0.000+/-0.000 χ^2/NDF: 28.8/34

In: -0.000+/-0.000 χ^2/NDF:25.8/33

Out: -0.000+/-0.000 χ^2/NDF:39.2/37

All: -0.000+/-0.000 χ^2/NDF: 65.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 1432018.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:7739404.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3172346.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1191350.4/17

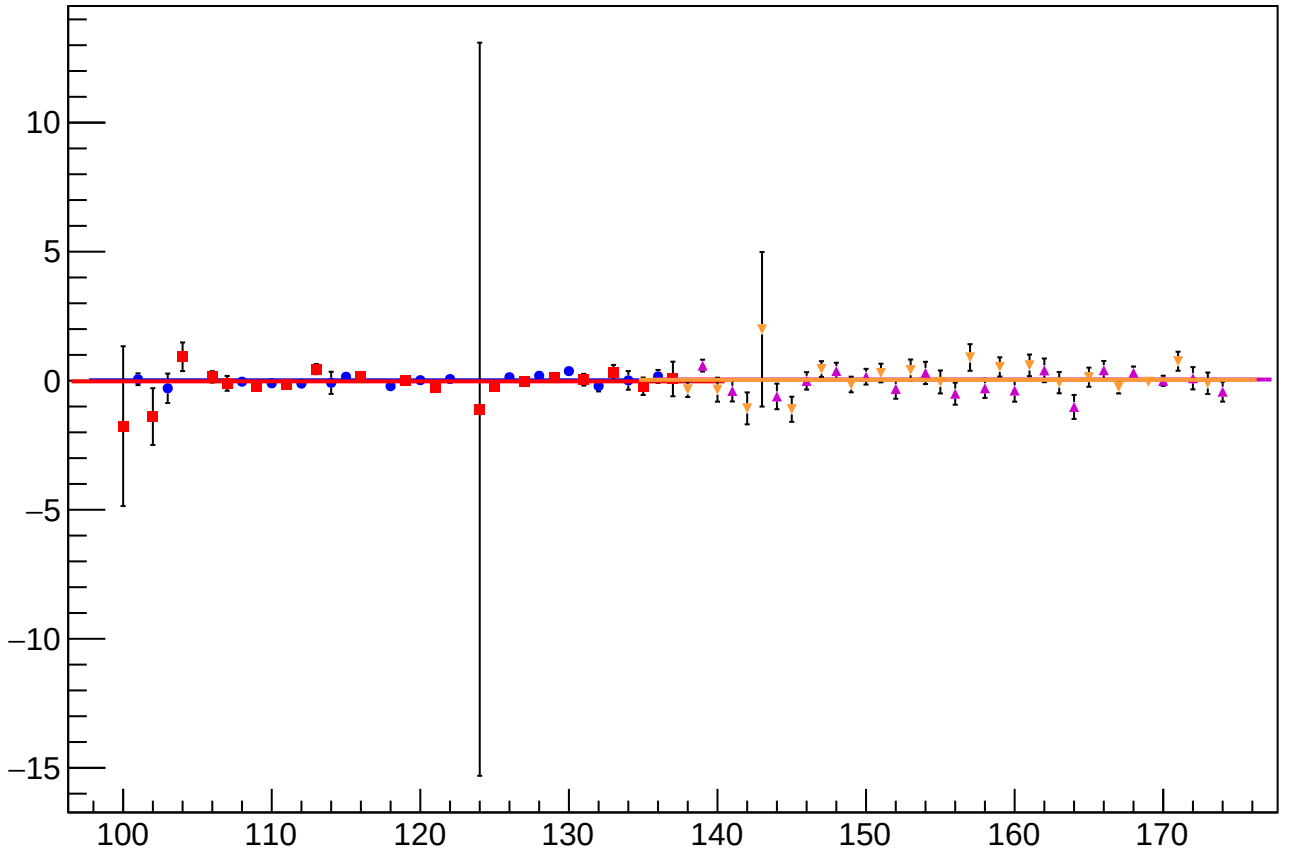
Left: 0.000+/-0.000 χ^2/NDF: 14204663.0/36

Right: 0.000+/-0.000 χ^2/NDF: 4914964.6/34

In: 0.000+/-0.000 χ^2/NDF:2639657.5/33

Out: 0.000+/-0.000 χ^2/NDF:11764360.8/37

All: 0.000+/-0.000 χ^2/NDF: 20662553.2/71



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

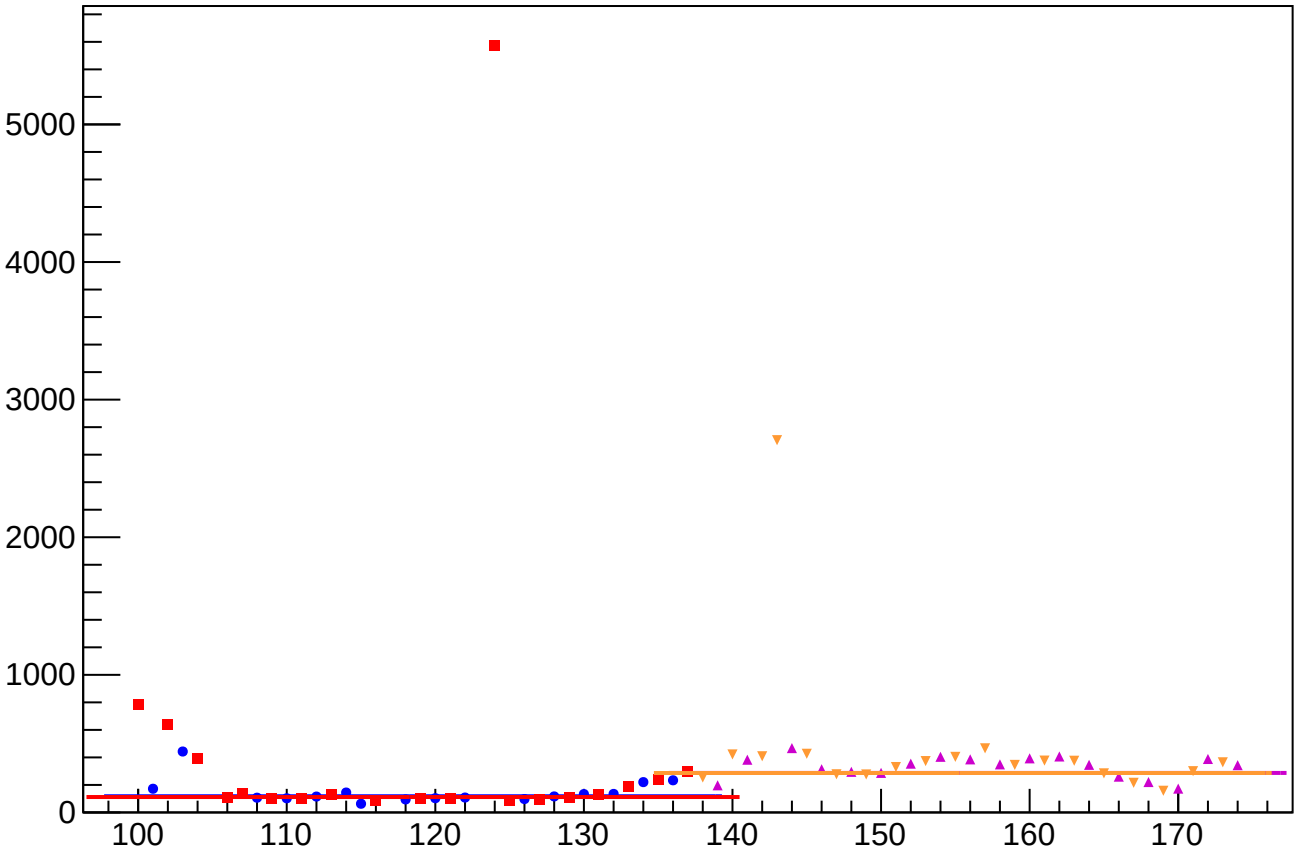
Left: 0.041+/-0.056 χ^2/NDF: 50.9/36

Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.007+/-0.029 χ^2/NDF: 85.6/71



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 286.752+/-0.057 χ^2/NDF:3777691.4/18

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

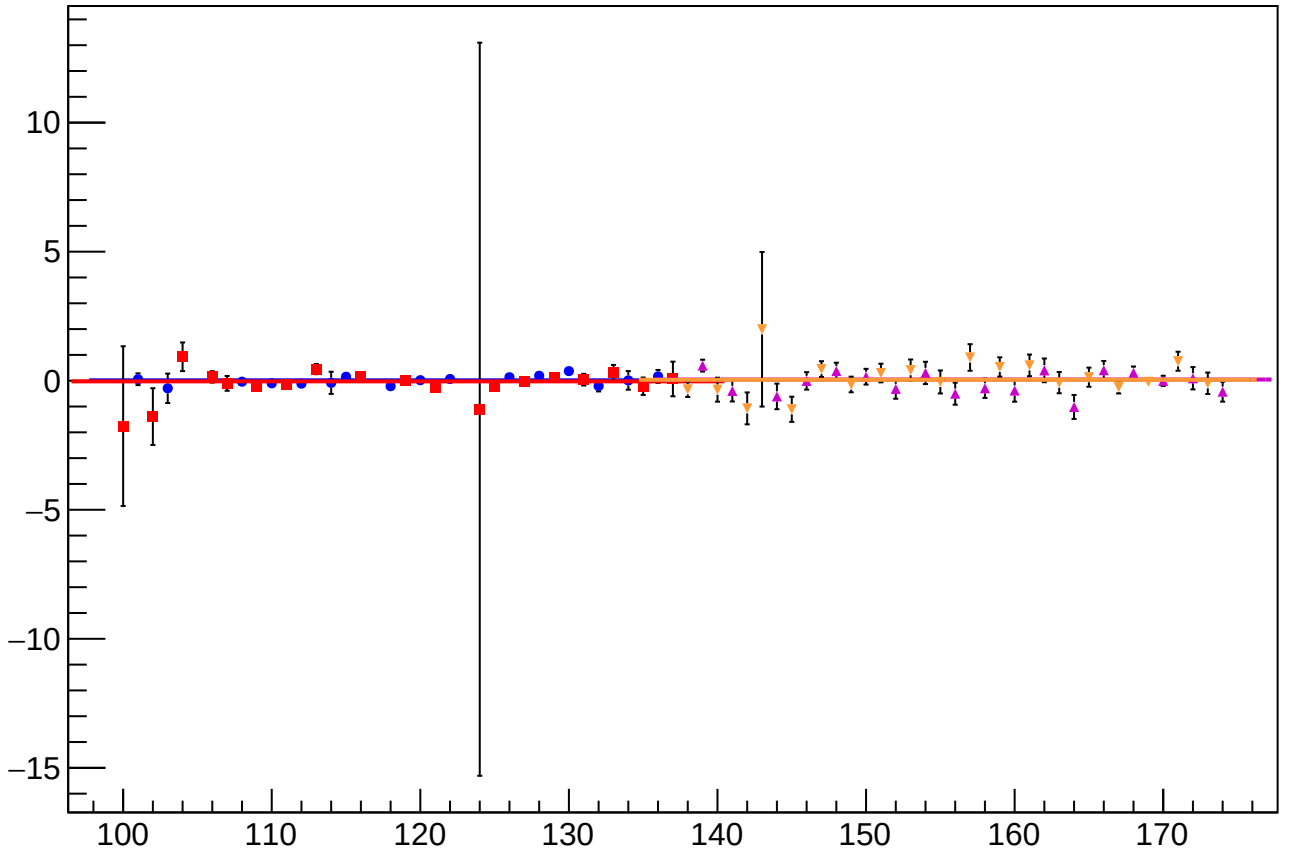
Left: 286.995+/-0.040 χ^2/NDF: 6125904.9/36

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 163.340+/-0.029 χ^2/NDF:10826436.3/33

Out: 156.377+/-0.029 χ^2/NDF:13007837.8/37

All: 159.819+/-0.020 χ^2/NDF: 23863533.4/71



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

Left: 0.041+/-0.056 χ^2/NDF: 50.9/36

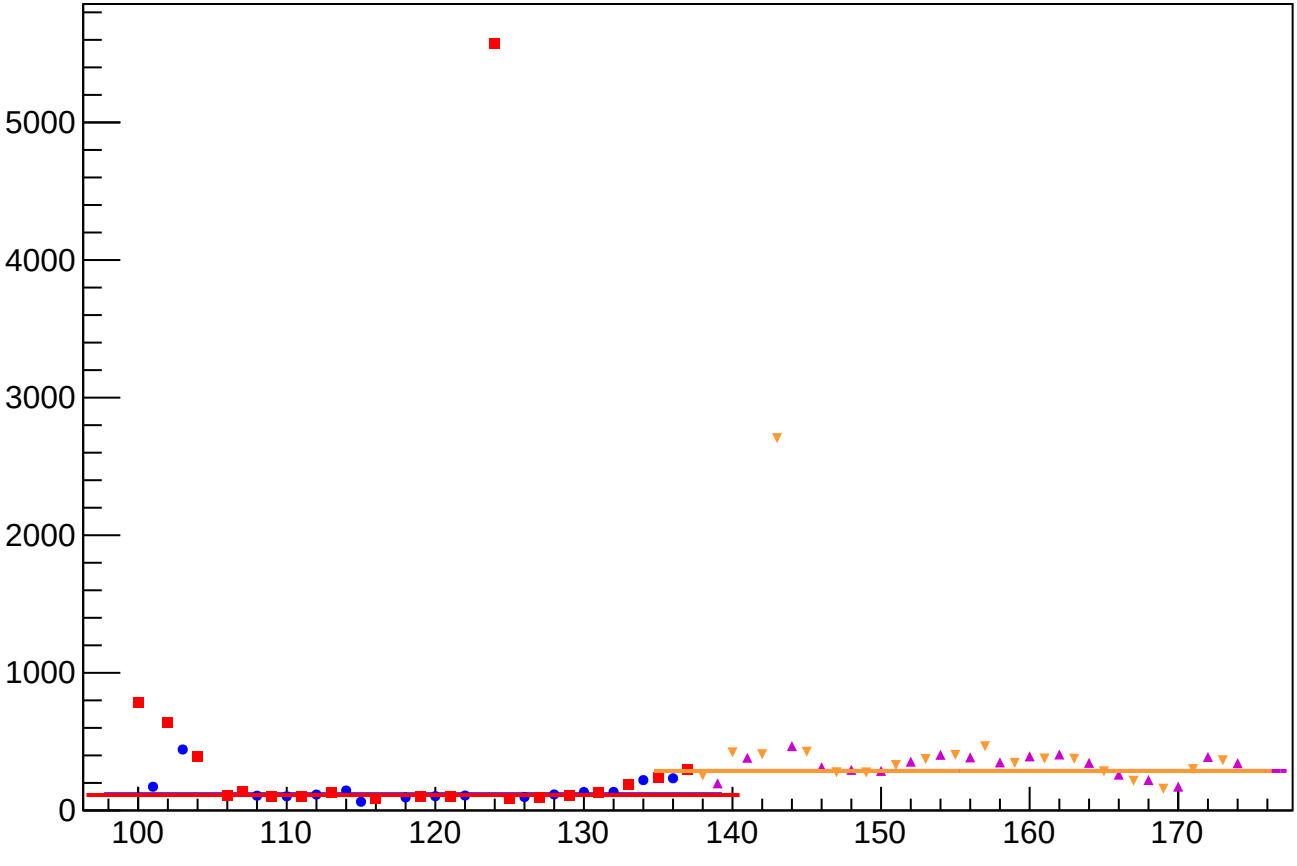
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.007+/-0.029 χ^2/NDF: 85.6/71

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722401.0/15

Left Out: 286.752+/-0.057 χ^2/NDF:3777691.4/18

Right Out: 112.124+/-0.033 χ^2/NDF: 2186364.8/18

Left In: 287.230+/-0.056 χ^2/NDF:2348177.4/17

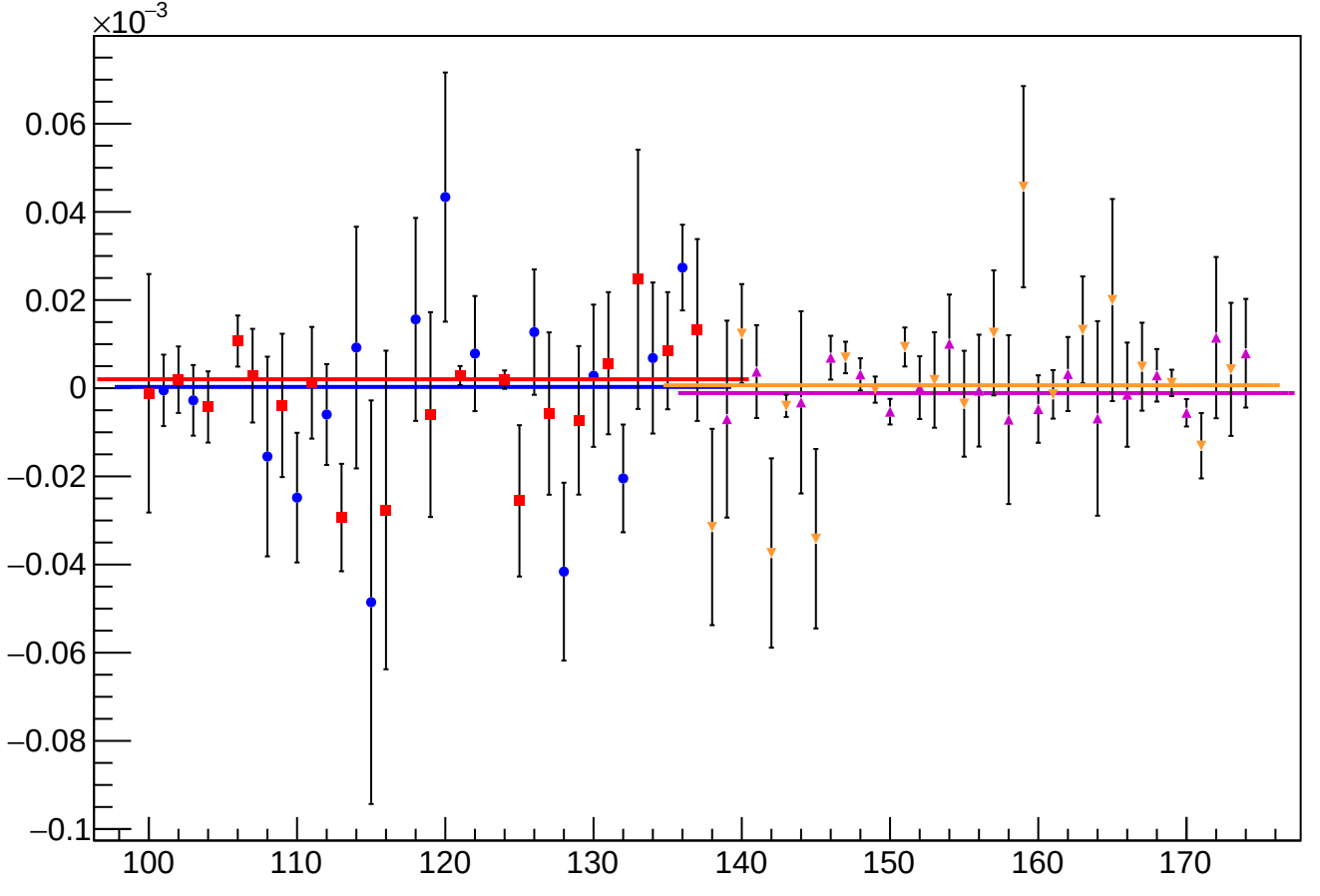
Left: 286.995+/-0.040 χ^2/NDF: 6125904.9/36

Right: 114.826+/-0.024 χ^2/NDF: 3922369.6/34

In: 163.340+/-0.029 χ^2/NDF:10826436.3/33

Out: 156.377+/-0.029 χ^2/NDF:13007837.8/37

All: 159.819+/-0.020 χ^2/NDF: 23863533.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 24.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:11.6/17

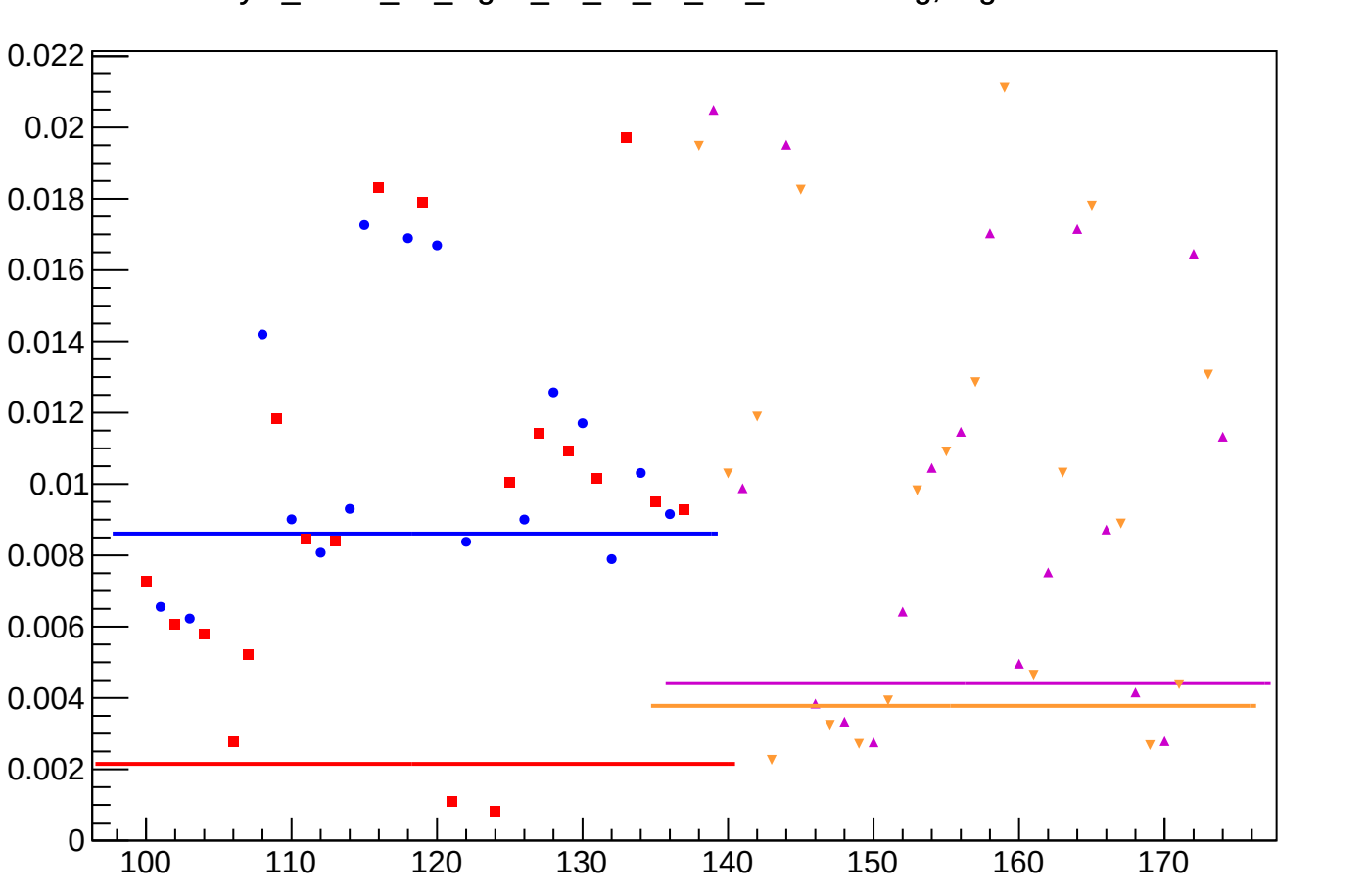
Left: -0.000+/-0.000 χ^2/NDF: 42.5/36

Right: 0.000+/-0.000 χ^2/NDF: 39.1/34

In: -0.000+/-0.000 χ^2/NDF:35.8/33

Out: 0.000+/-0.000 χ^2/NDF:45.5/37

All: 0.000+/-0.000 χ^2/NDF: 83.1/71



Right In: 0.009+/-0.000 χ^2/NDF: 1114251.2/15

Left Out: 0.004+/-0.000 χ^2/NDF:10243622.6/18

Right Out: 0.002+/-0.000 χ^2/NDF: 9086978.1/18

Left In: 0.004+/-0.000 χ^2/NDF:8988696.6/17

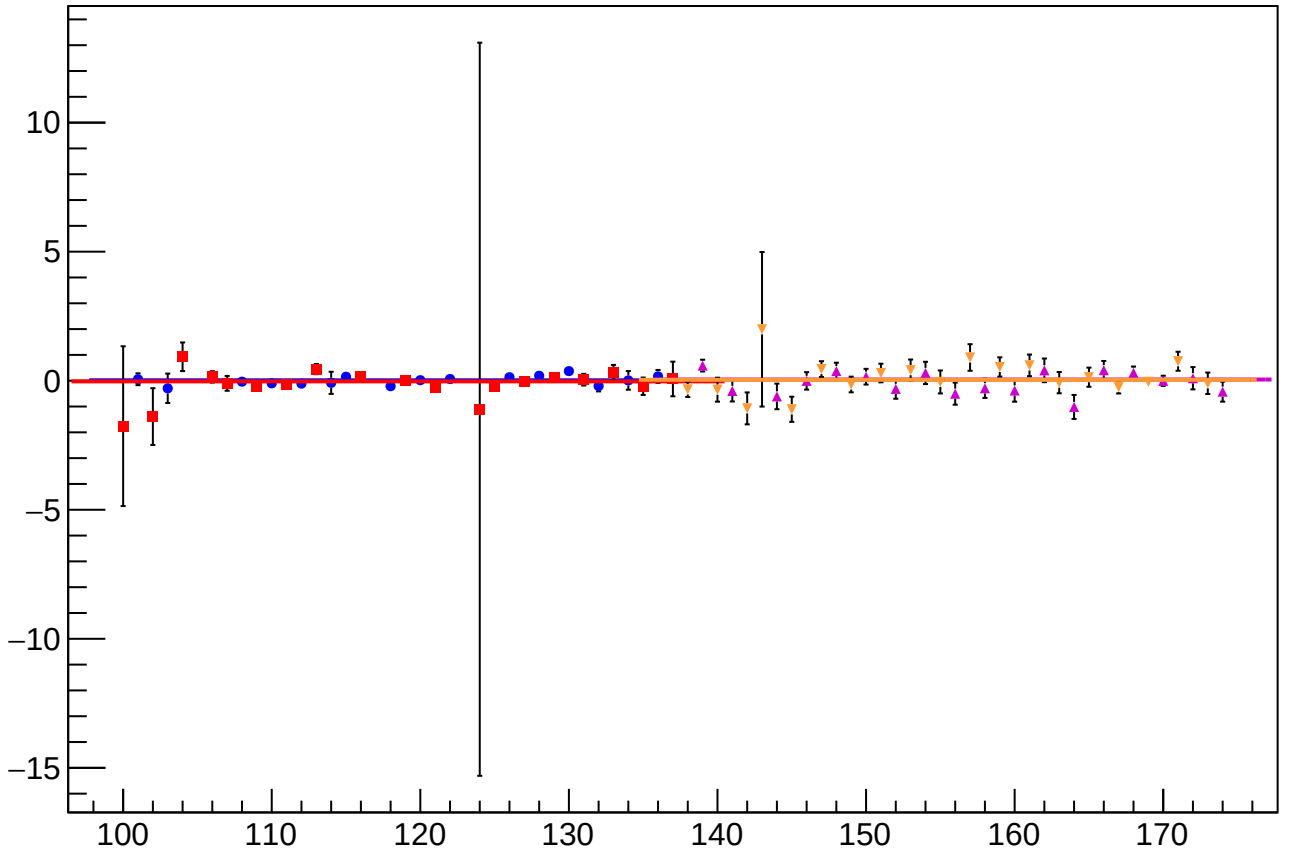
Left: 0.004+/-0.000 χ^2/NDF: 19447665.6/36

Right: 0.003+/-0.000 χ^2/NDF: 16533209.6/34

In: 0.005+/-0.000 χ^2/NDF:12703714.6/33

Out: 0.003+/-0.000 χ^2/NDF:20893400.5/37

All: 0.004+/-0.000 χ^2/NDF: 36829377.4/71



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

Left: 0.041+/-0.056 χ^2/NDF: 50.9/36

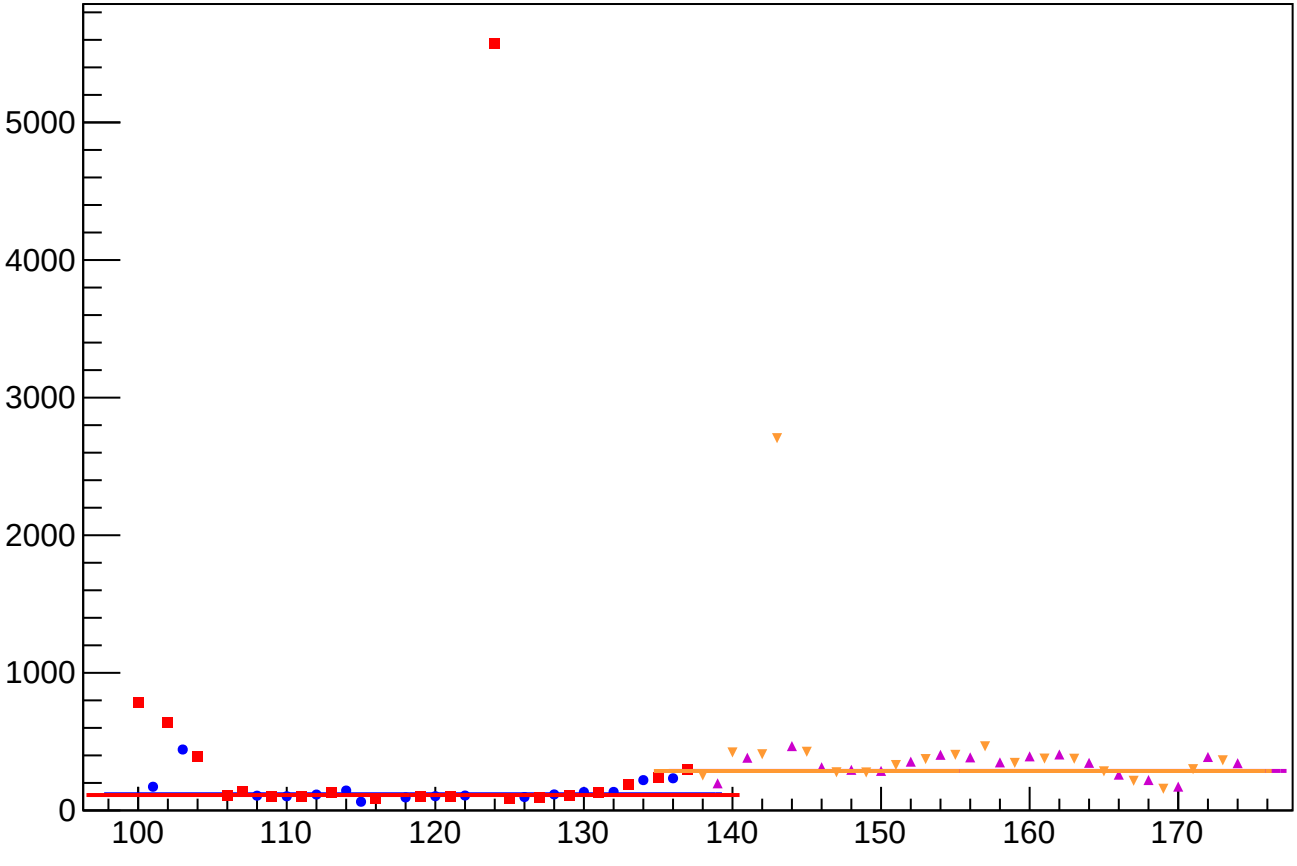
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.007+/-0.029 χ^2/NDF: 85.6/71

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 117.649+/-0.034 χ^2/NDF: 1722367.8/15

Left Out: 286.754+/-0.057 χ^2/NDF:3777762.2/18

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

Left: 286.998+/-0.040 χ^2/NDF: 6125950.1/36

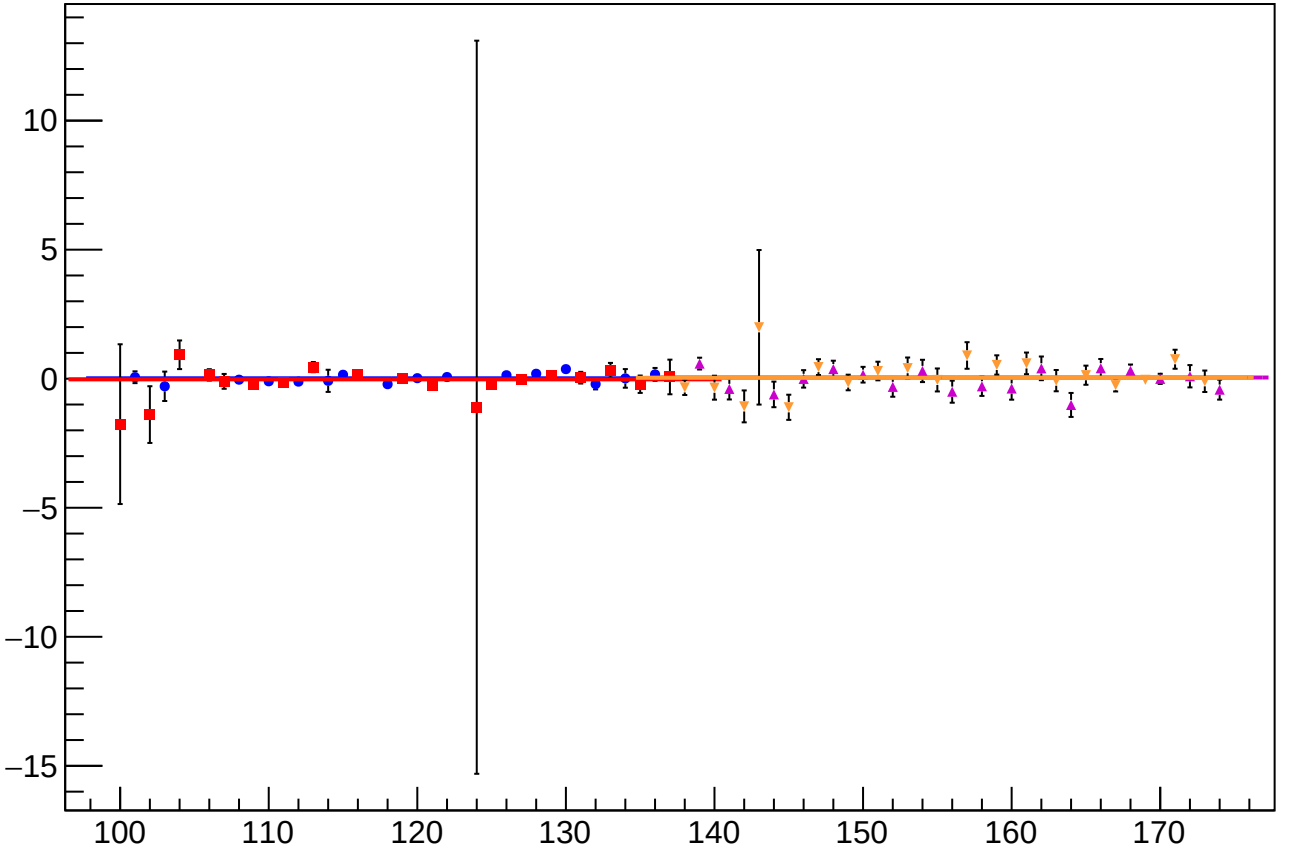
Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 163.340+/-0.029 χ^2/NDF:10826504.3/33

Out: 156.379+/-0.029 χ^2/NDF:13007739.7/37

All: 159.820+/-0.020 χ^2/NDF: 23863487.9/71

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.048 χ^2/NDF: 11.8/15

Left Out: 0.036+/-0.080 χ^2/NDF:26.9/18

Right Out: -0.026+/-0.047 χ^2/NDF: 22.1/18

Left In: 0.046+/-0.079 χ^2/NDF:23.9/17

Left: 0.041+/-0.056 χ^2/NDF: 50.9/36

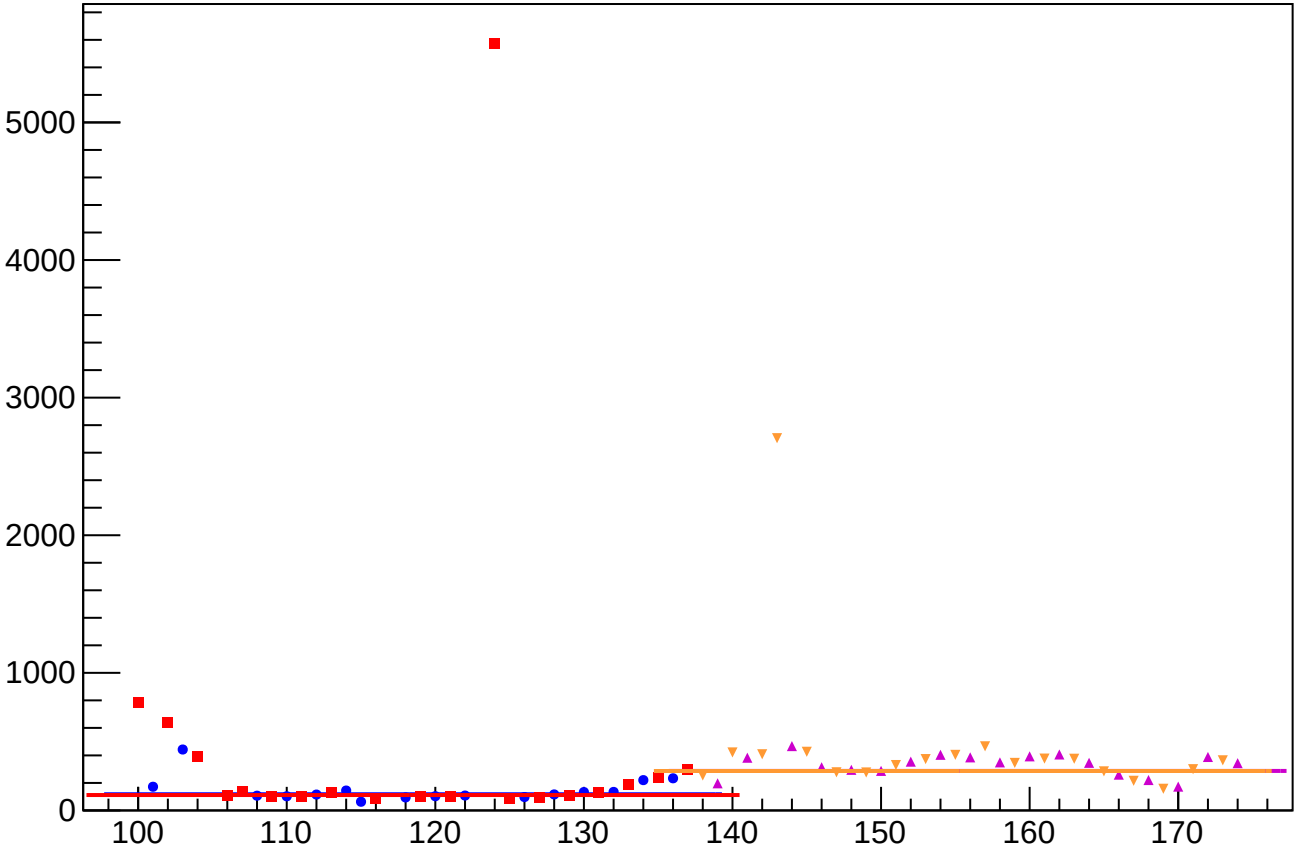
Right: -0.006+/-0.033 χ^2/NDF: 34.3/34

In: 0.024+/-0.041 χ^2/NDF:35.8/33

Out: -0.010+/-0.040 χ^2/NDF:49.5/37

All: 0.007+/-0.029 χ^2/NDF: 85.6/71

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: 286.754+/-0.057 χ^2/NDF:3777762.2/18

Right Out: 112.126+/-0.033 χ^2/NDF: 2186296.2/18

Left In: 287.232+/-0.056 χ^2/NDF:2348151.8/17

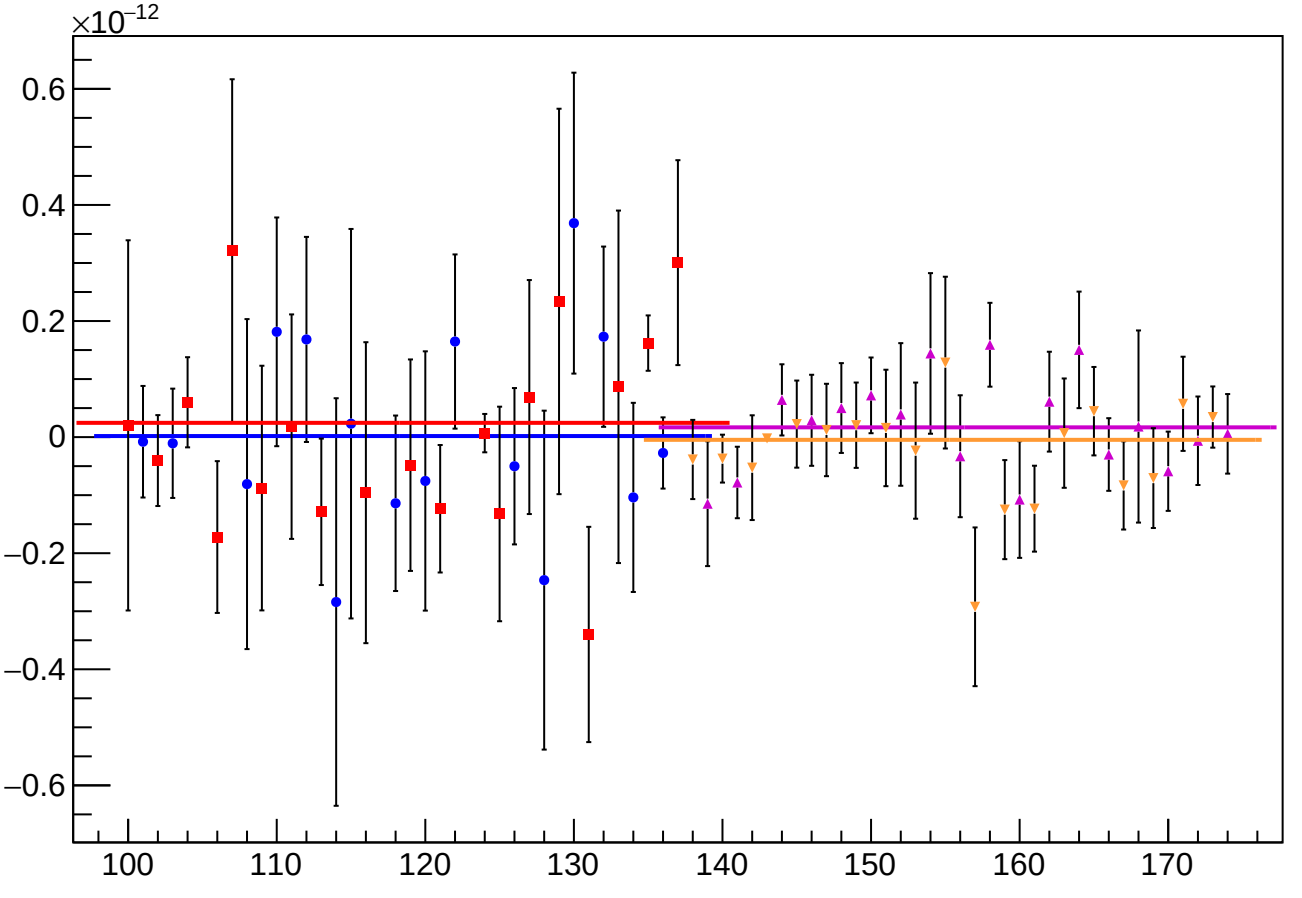
Left: 286.998+/-0.040 χ^2/NDF: 6125950.1/36

Right: 114.826+/-0.024 χ^2/NDF: 3922259.7/34

In: 163.340+/-0.029 χ^2/NDF:10826504.3/33

Out: 156.379+/-0.029 χ^2/NDF:13007739.7/37

All: 159.820+/-0.020 χ^2/NDF: 23863487.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 9.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/18

Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

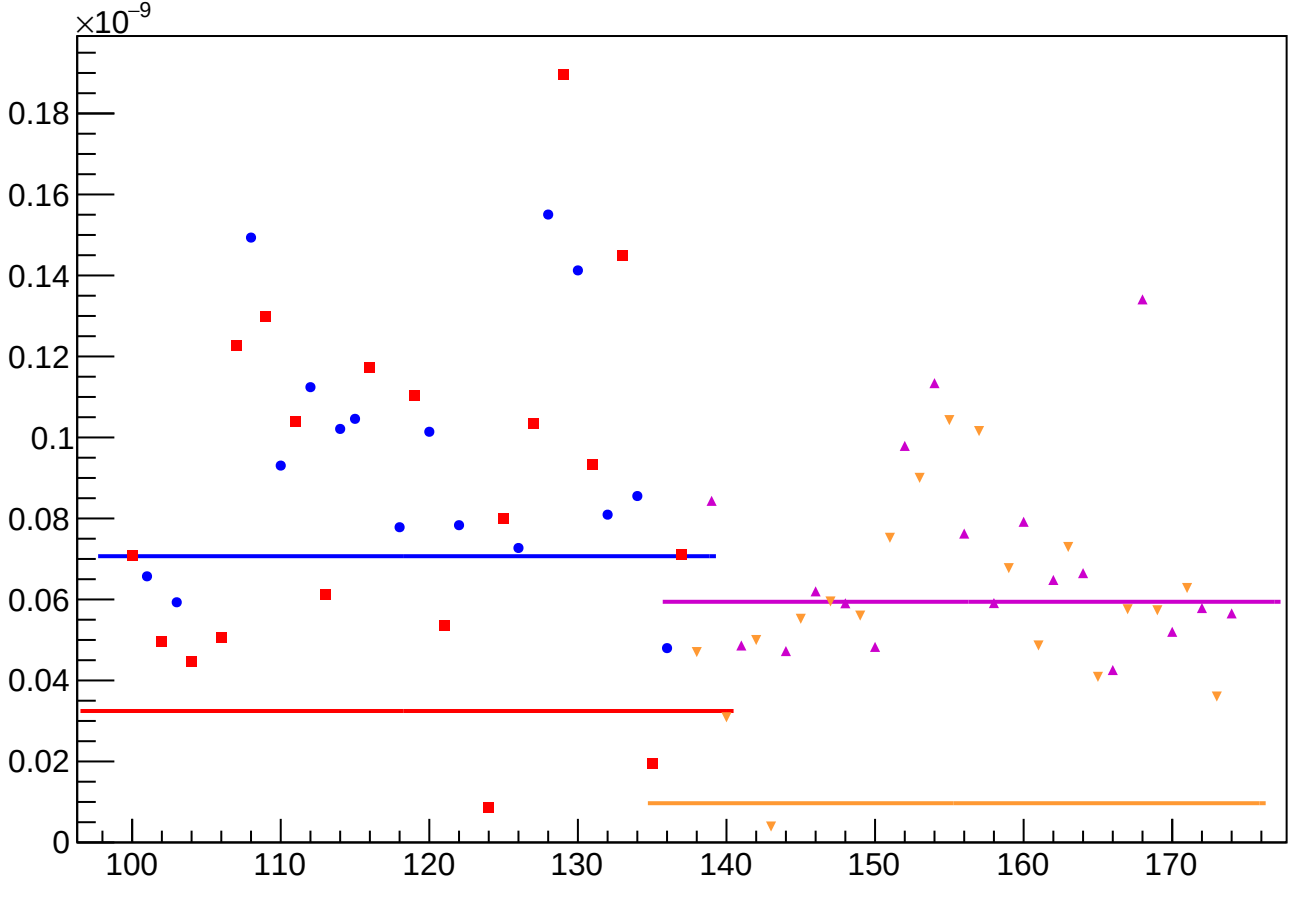
Left: -0.000+/-0.000 χ^2/NDF: 31.7/36

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:25.1/33

Out: -0.000+/-0.000 χ^2/NDF:40.6/37

All: -0.000+/-0.000 χ^2/NDF: 66.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 1023708.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:14346148.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4449161.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1535539.5/17

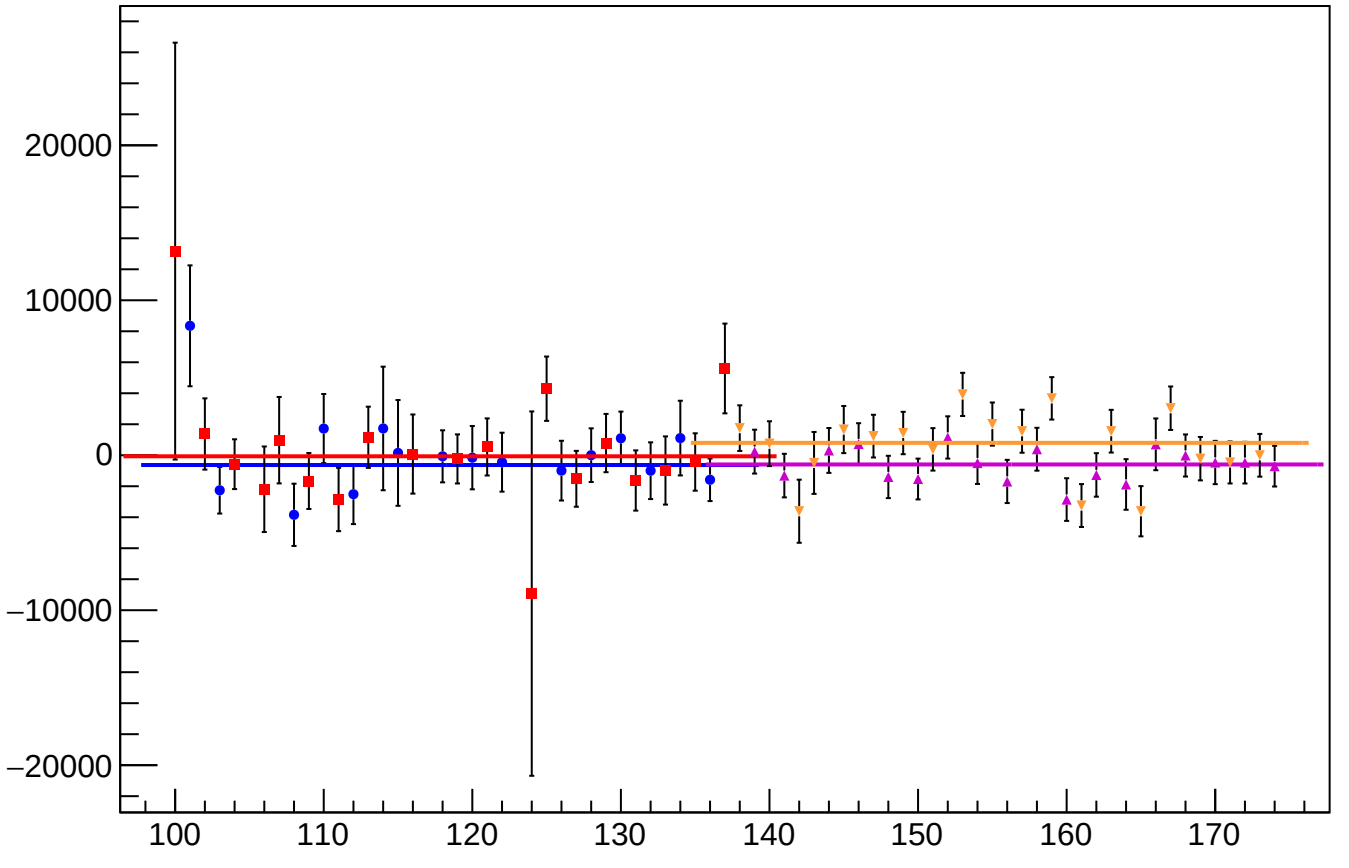
Left: 0.000+/-0.000 χ^2/NDF: 28410354.1/36

Right: 0.000+/-0.000 χ^2/NDF: 7239318.8/34

In: 0.000+/-0.000 χ^2/NDF:2723493.7/33

Out: 0.000+/-0.000 χ^2/NDF:20843749.0/37

All: 0.000+/-0.000 χ^2/NDF: 40107134.1/71



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.396+/-329.096 χ^2/NDF:10.0/17

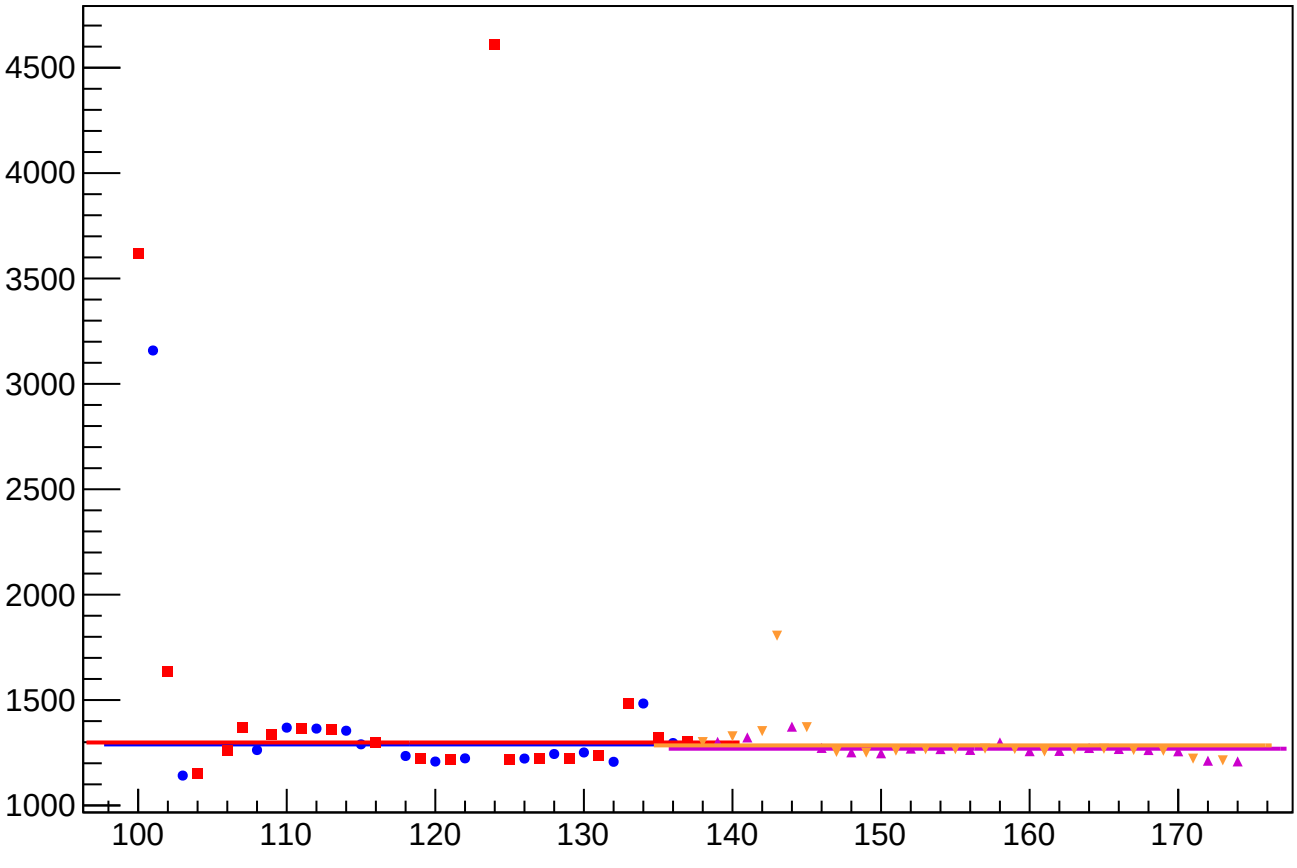
Left: 96.168+/-233.819 χ^2/NDF: 56.1/36

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -605.830+/-272.965 χ^2/NDF:23.9/33

Out: 525.062+/-274.606 χ^2/NDF:55.3/37

All: -43.773+/-193.593 χ^2/NDF: 87.7/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

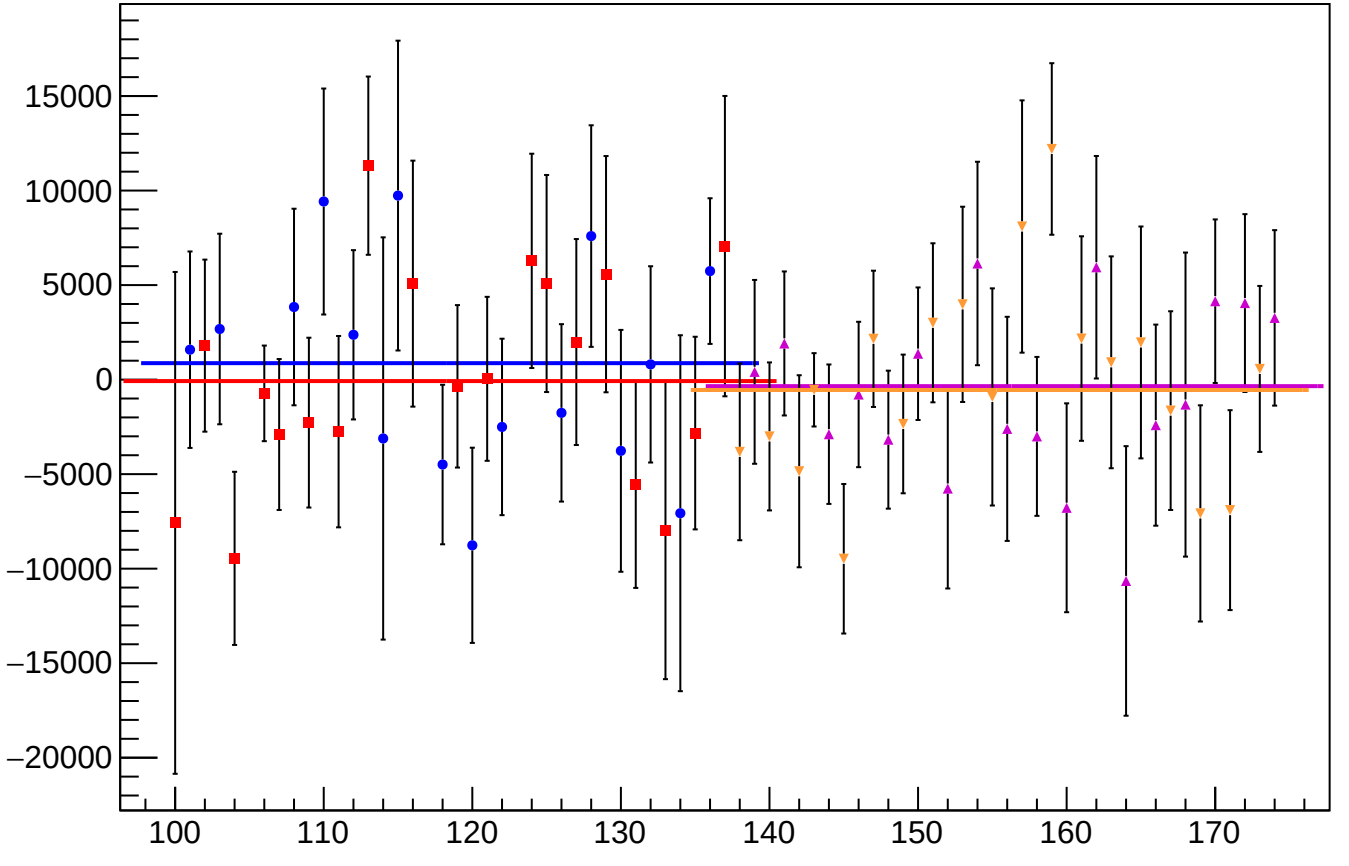
Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1275.424+/-0.193 χ^2/NDF:541587.2/33

Out: 1289.231+/-0.194 χ^2/NDF:483242.9/37

All: 1282.292+/-0.137 χ^2/NDF: 1027375.6/71

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -548.542+/-965.250 χ^2/NDF:21.9/18

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -345.521+/-1090.150 χ^2/NDF:12.1/17

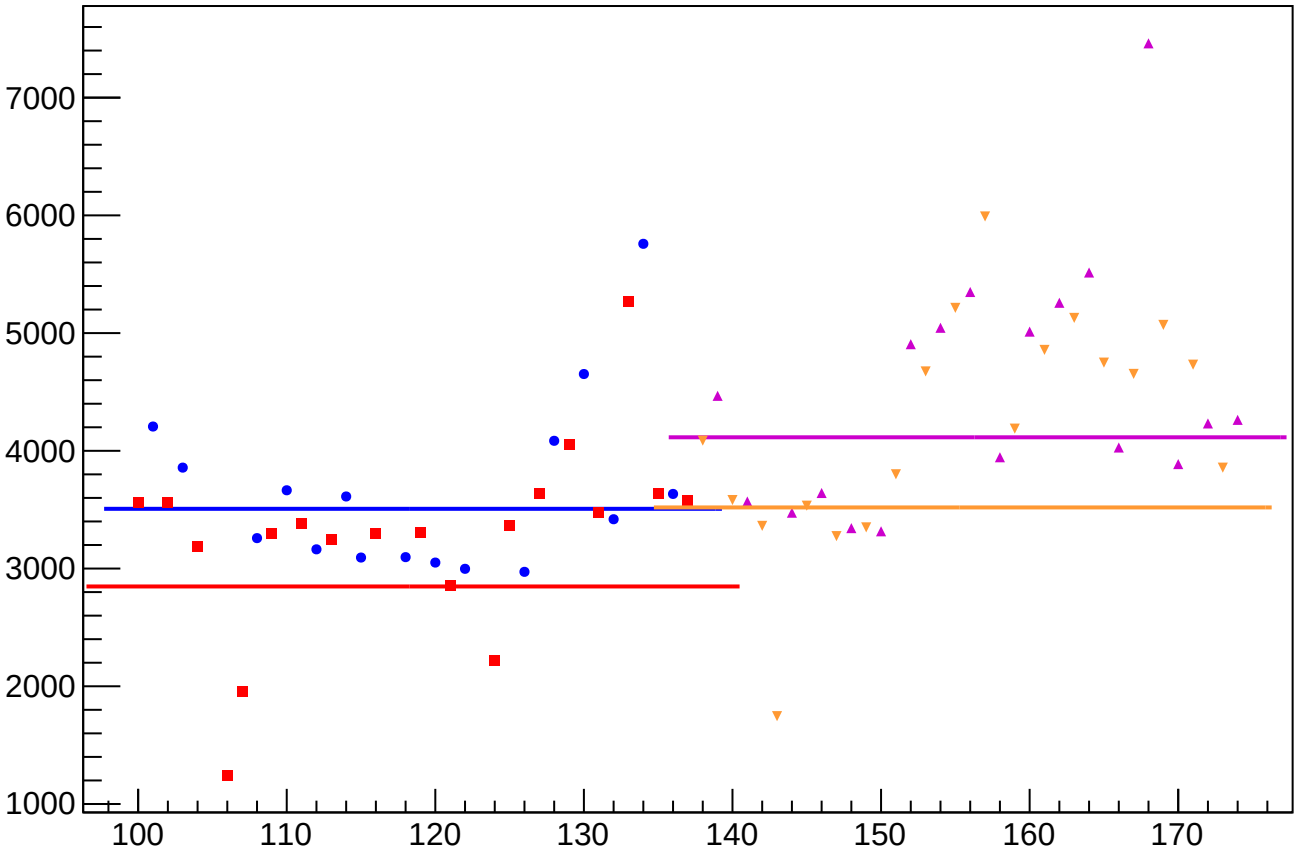
Left: -459.323+/-722.677 χ^2/NDF: 34.0/36

Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 145.145+/-841.911 χ^2/NDF:26.6/33

Out: -345.865+/-728.676 χ^2/NDF:40.4/37

All: -135.577+/-550.970 χ^2/NDF: 67.2/71



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3519.157+/-0.683 χ^2/NDF:3043118.6/18

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

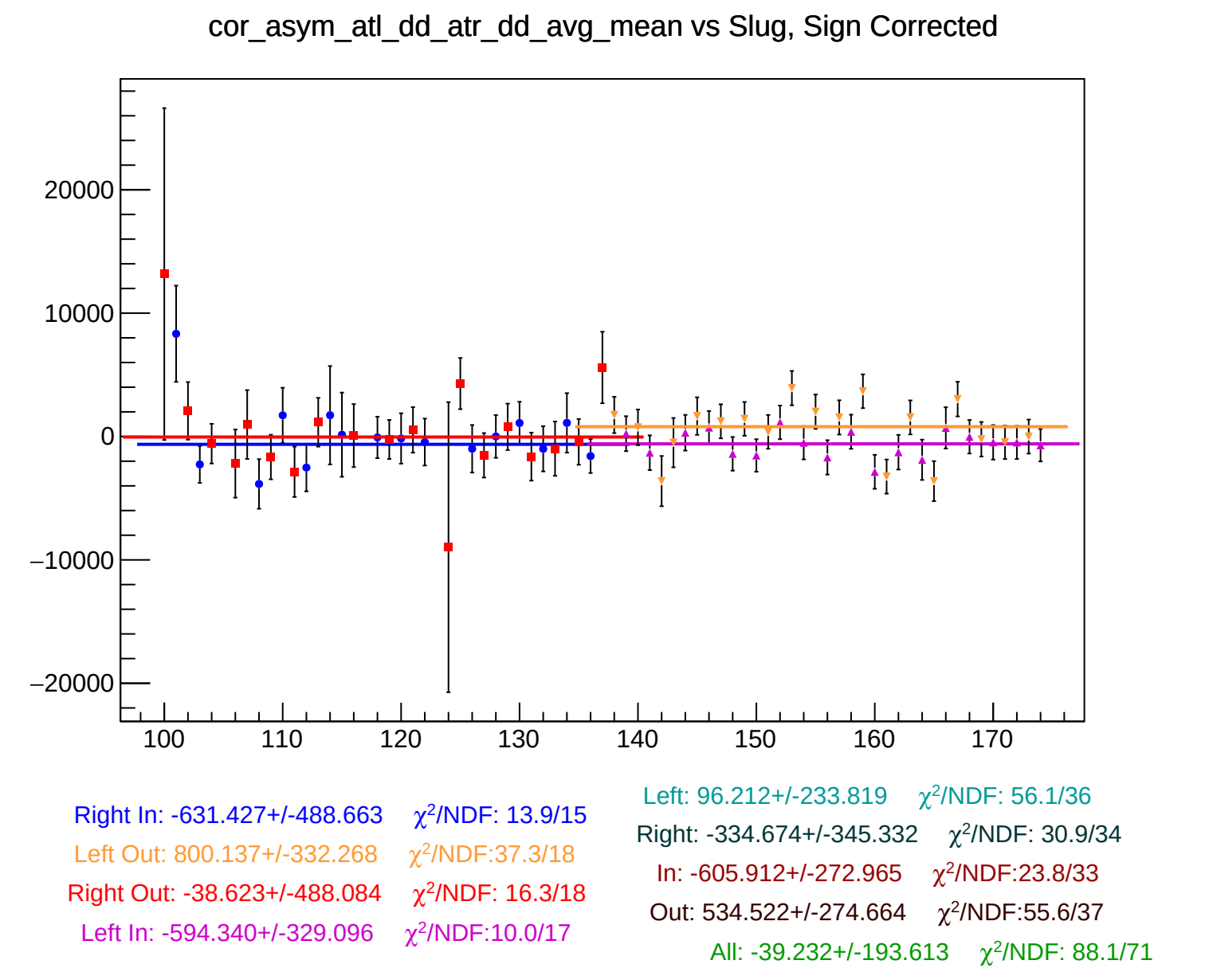
Left: 3780.968+/-0.511 χ^2/NDF: 4468644.3/36

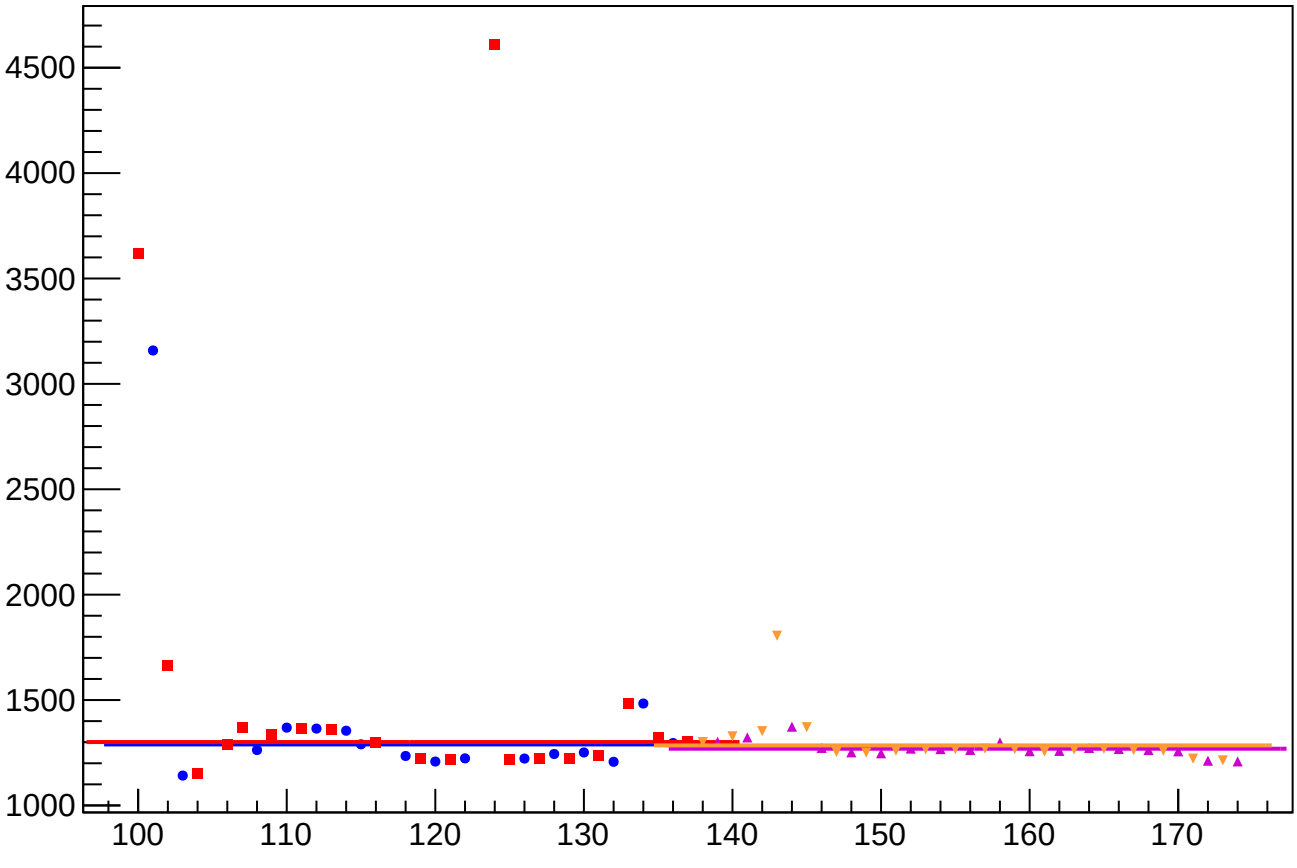
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3869.740+/-0.595 χ^2/NDF:1695353.6/33

Out: 3230.412+/-0.515 χ^2/NDF:4958592.1/37

All: 3504.220+/-0.390 χ^2/NDF: 7313320.5/71


cor_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 800.137+/-332.268 χ²/NDF:37.3/18
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -594.340+/-329.096 χ²/NDF:10.0/17
Left: 96.212+/-233.819 χ²/NDF: 56.1/36
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -605.912+/-272.965 χ²/NDF:23.8/33
Out: 534.522+/-274.664 χ²/NDF:55.6/37
All: -39.232+/-193.613 χ²/NDF: 88.1/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

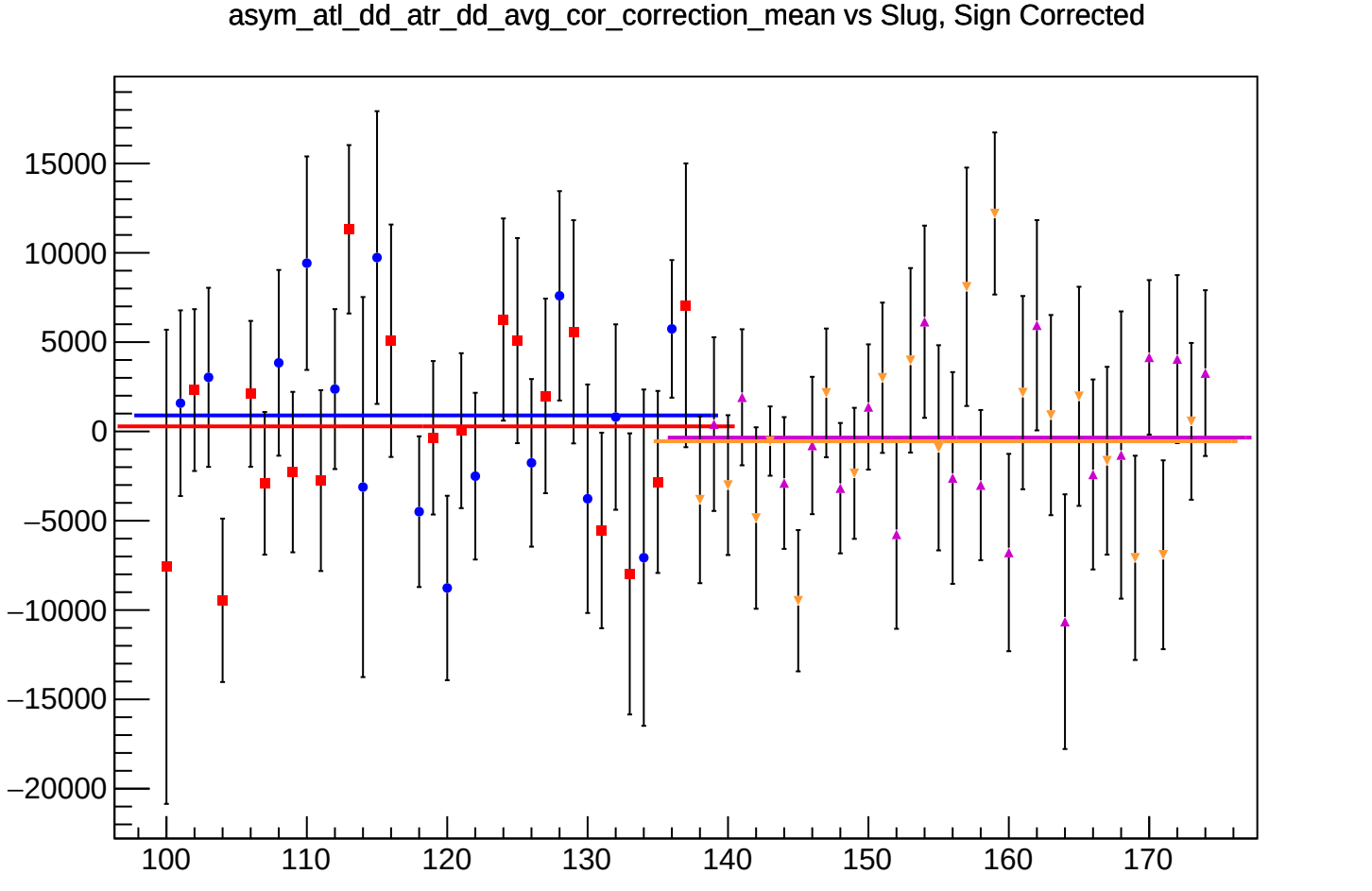
Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

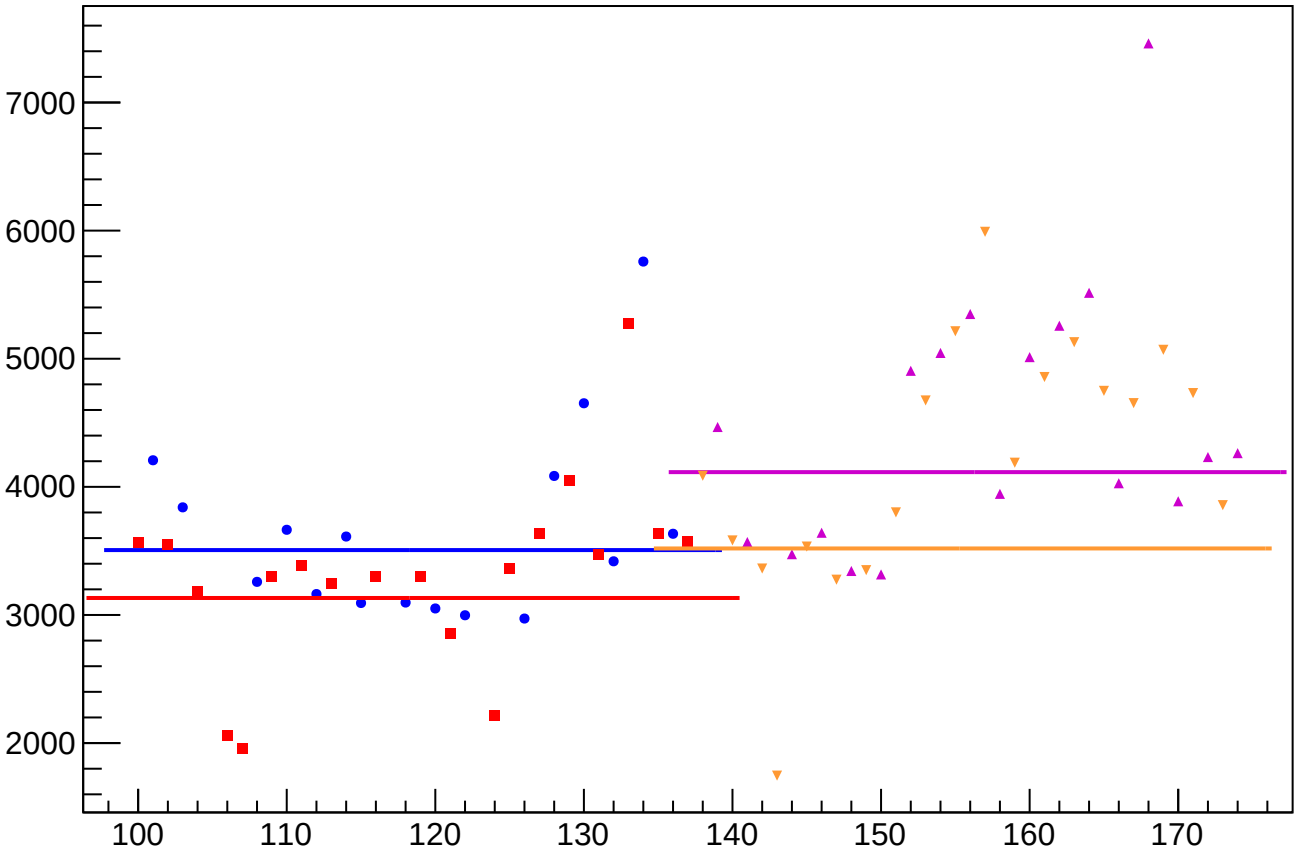
Left: -459.281+/-722.676 χ^2/NDF: 34.0/36

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -51.912+/-559.118 χ^2/NDF: 67.6/71



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

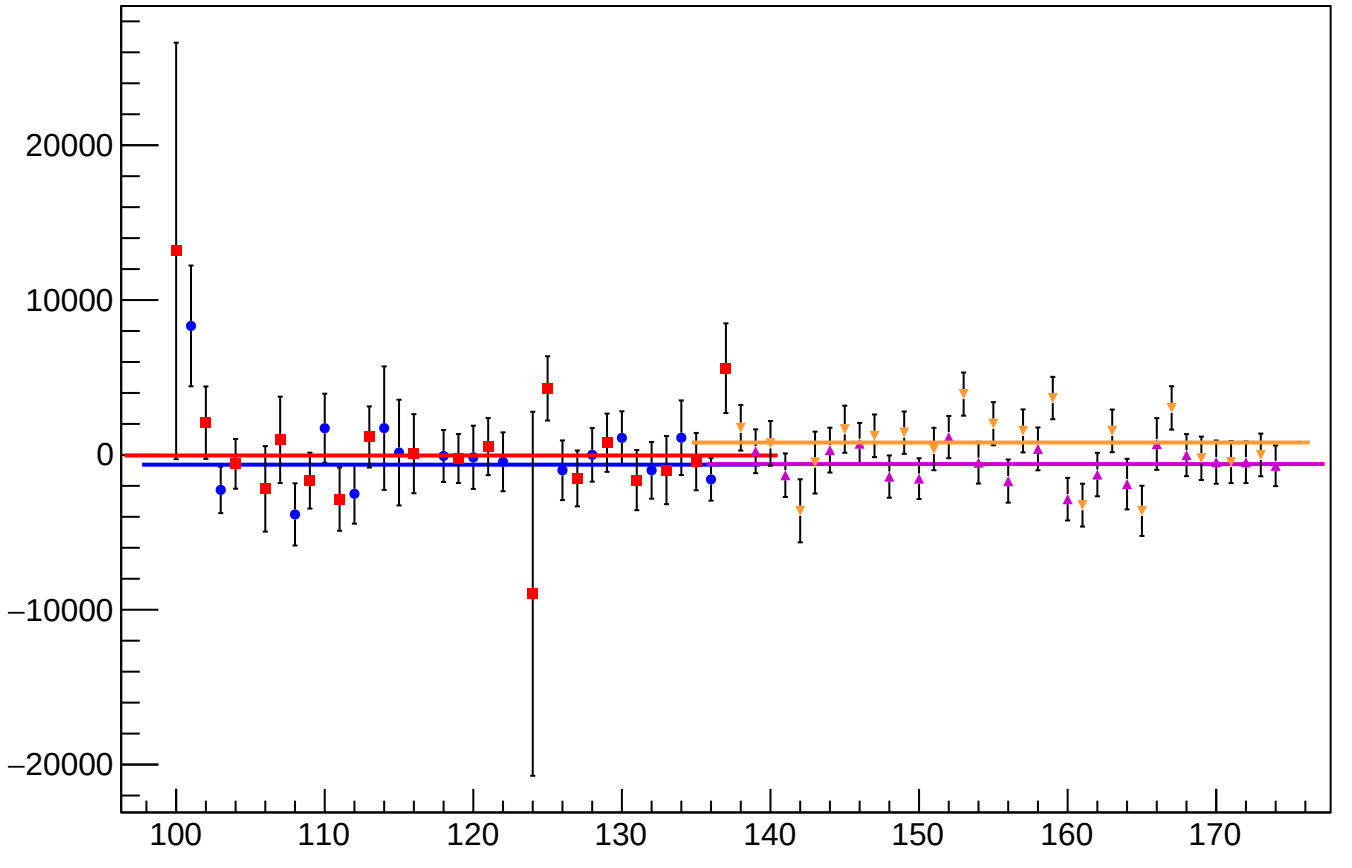
Left: 3780.960+/-0.511 χ^2/NDF: 4468683.2/36

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

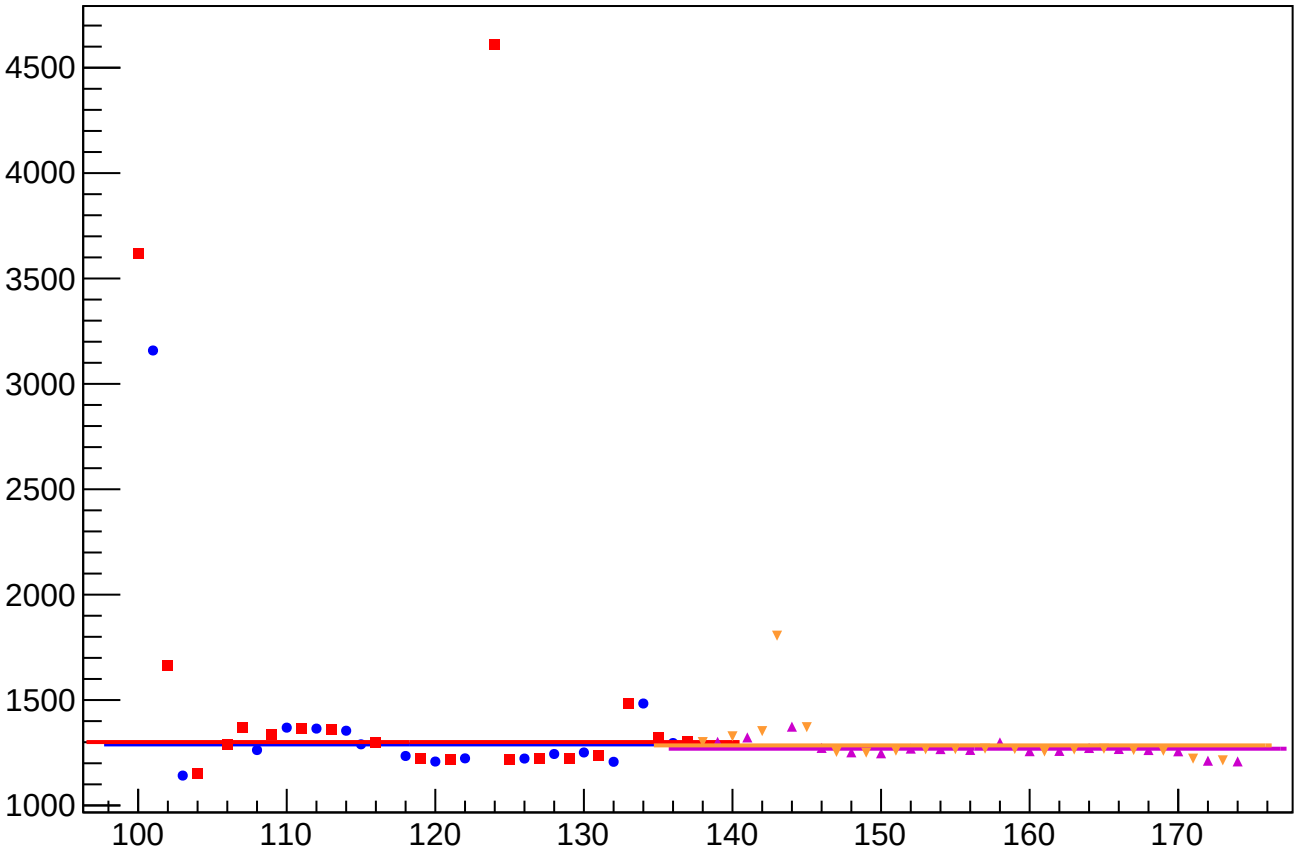
Left: 96.212+/-233.819 χ^2/NDF: 56.1/36

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -39.232+/-193.613 χ^2/NDF: 88.1/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

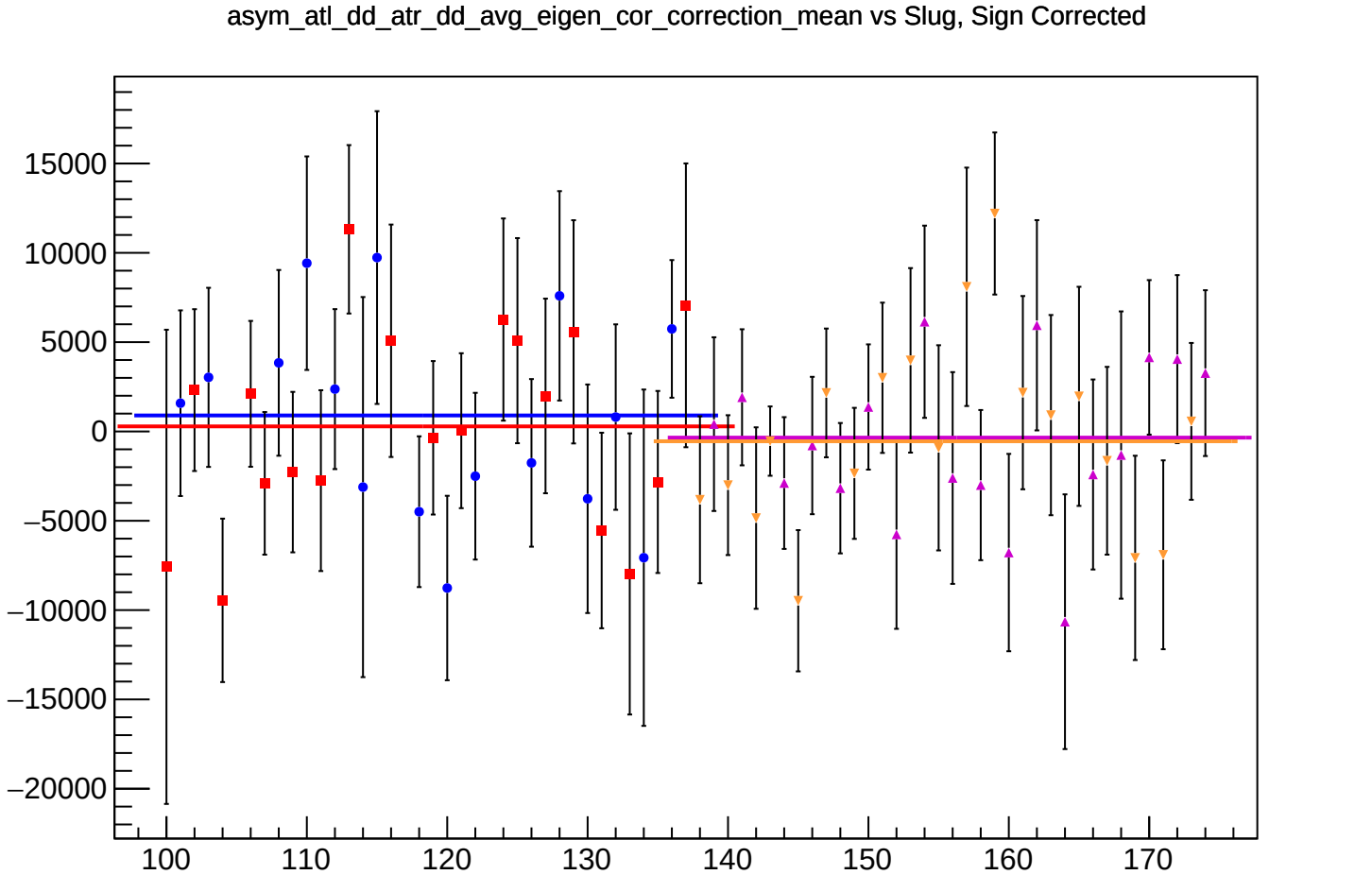
Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

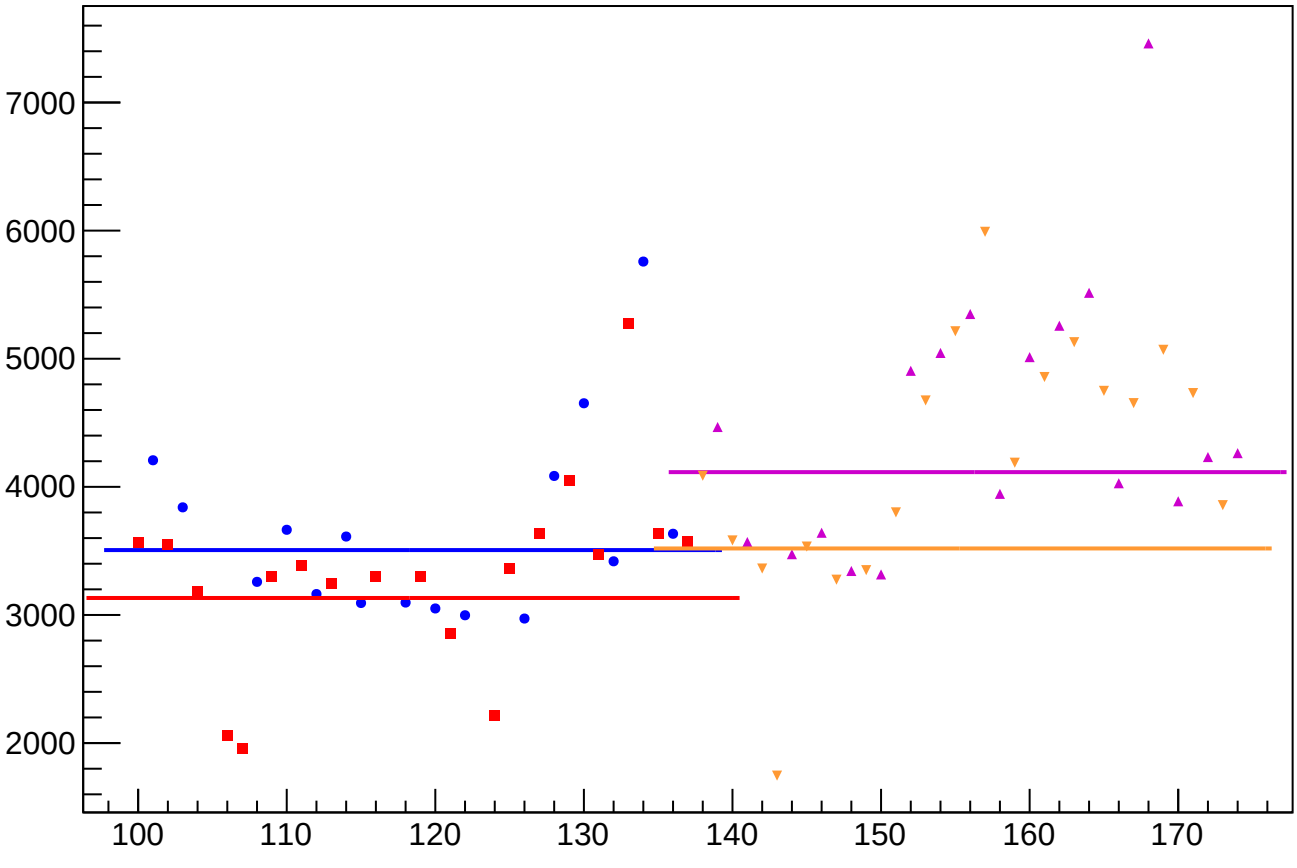
Left: -459.281+/-722.676 χ^2/NDF: 34.0/36

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -51.912+/-559.118 χ^2/NDF: 67.6/71



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

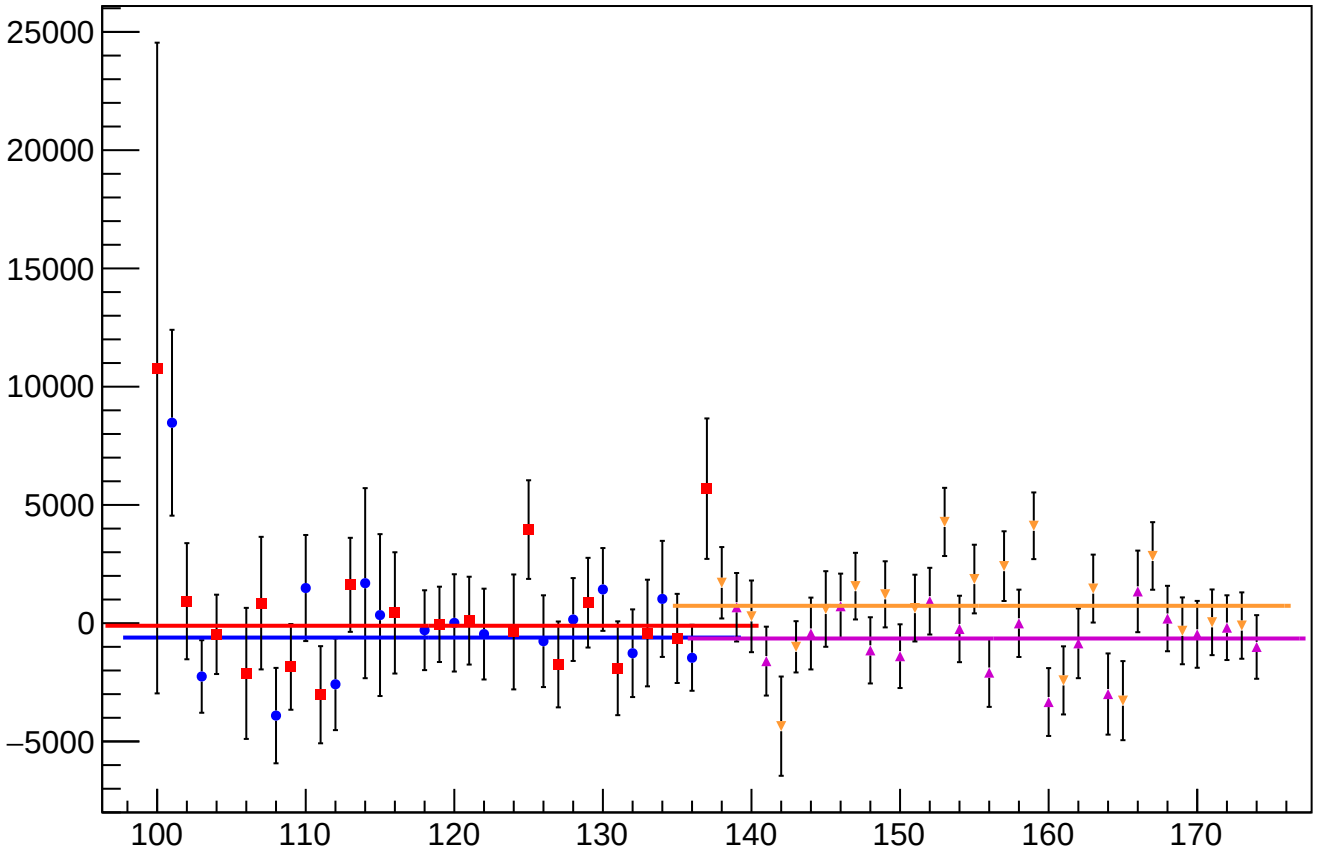
Left: 3780.960+/-0.511 χ^2/NDF: 4468683.2/36

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71



Right In: -607.831+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -647.406+/-339.439 χ^2/NDF:12.5/17

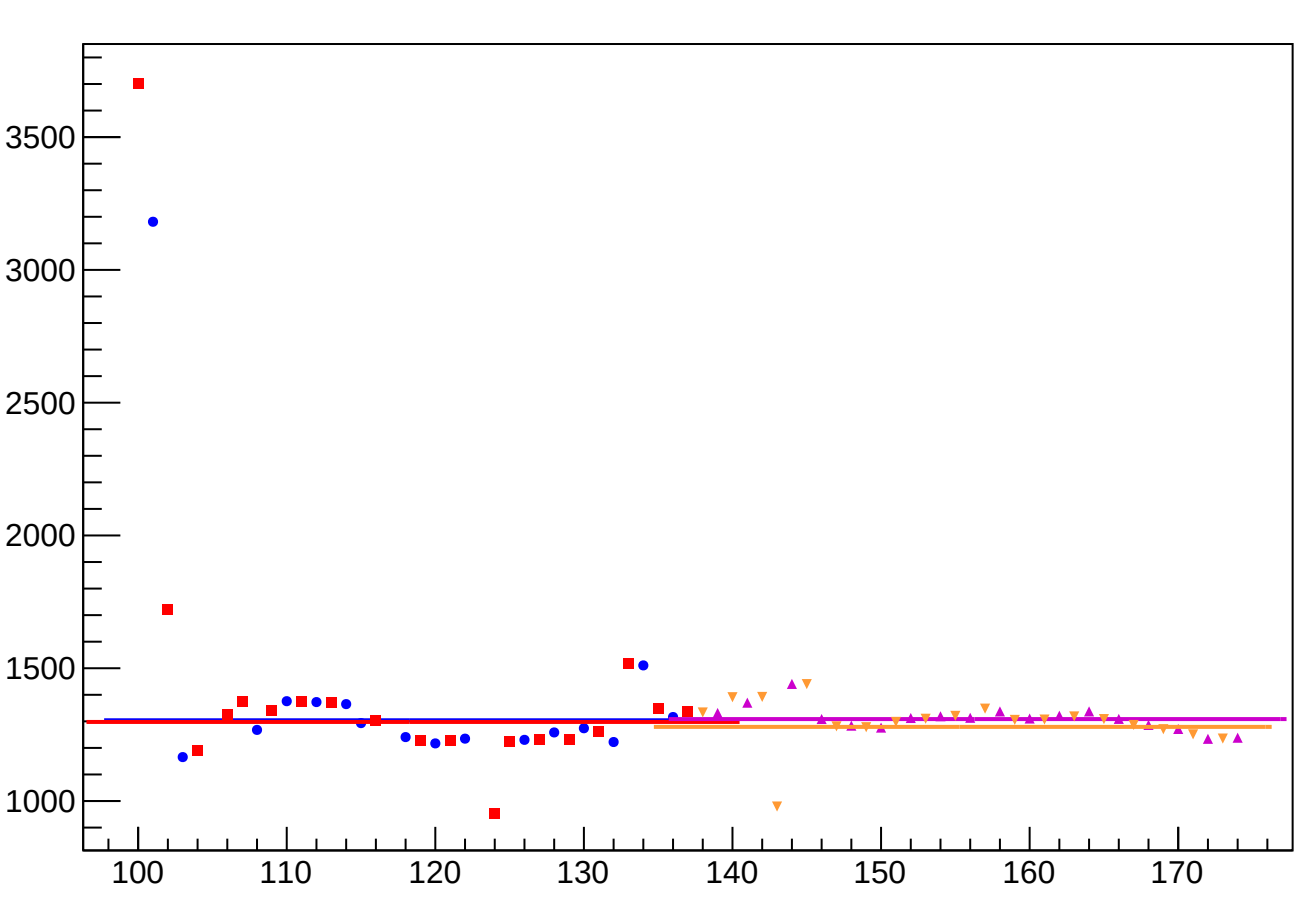
Left: 61.039+/-237.011 χ^2/NDF: 58.3/36

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -634.720+/-279.794 χ^2/NDF:26.6/33

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -71.276+/-195.598 χ^2/NDF: 88.8/71



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1279.191+/-0.234 χ^2/NDF:206354.8/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

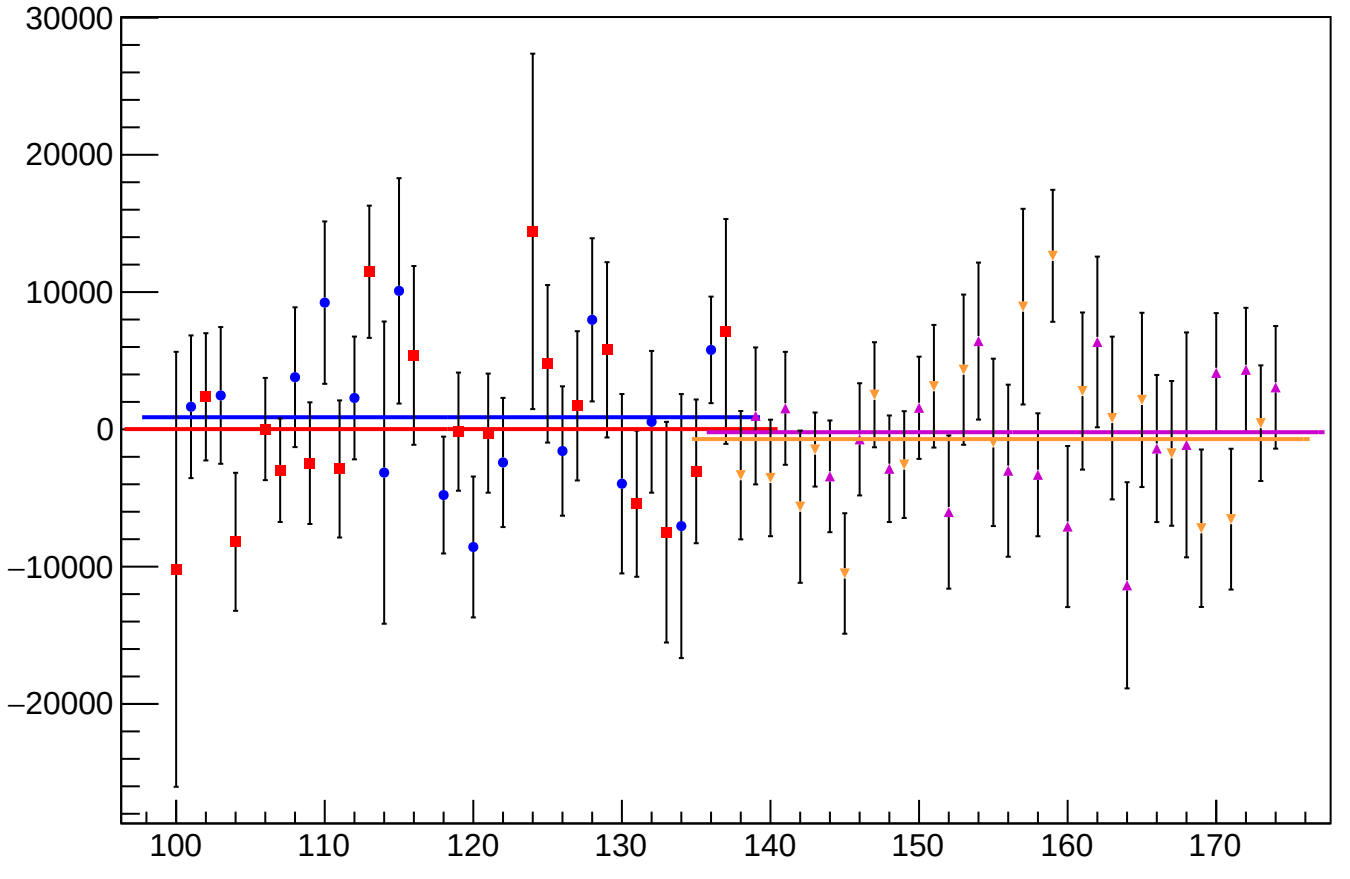
Left: 1293.521+/-0.168 χ^2/NDF: 250009.5/36

Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.147+/-0.198 χ^2/NDF:546670.8/33

Out: 1285.102+/-0.193 χ^2/NDF:421458.2/37

All: 1295.873+/-0.138 χ^2/NDF: 974478.7/71



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -708.290+/-1068.709 χ^2/NDF:22.0/18

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -206.543+/-1139.188 χ^2/NDF:12.0/17

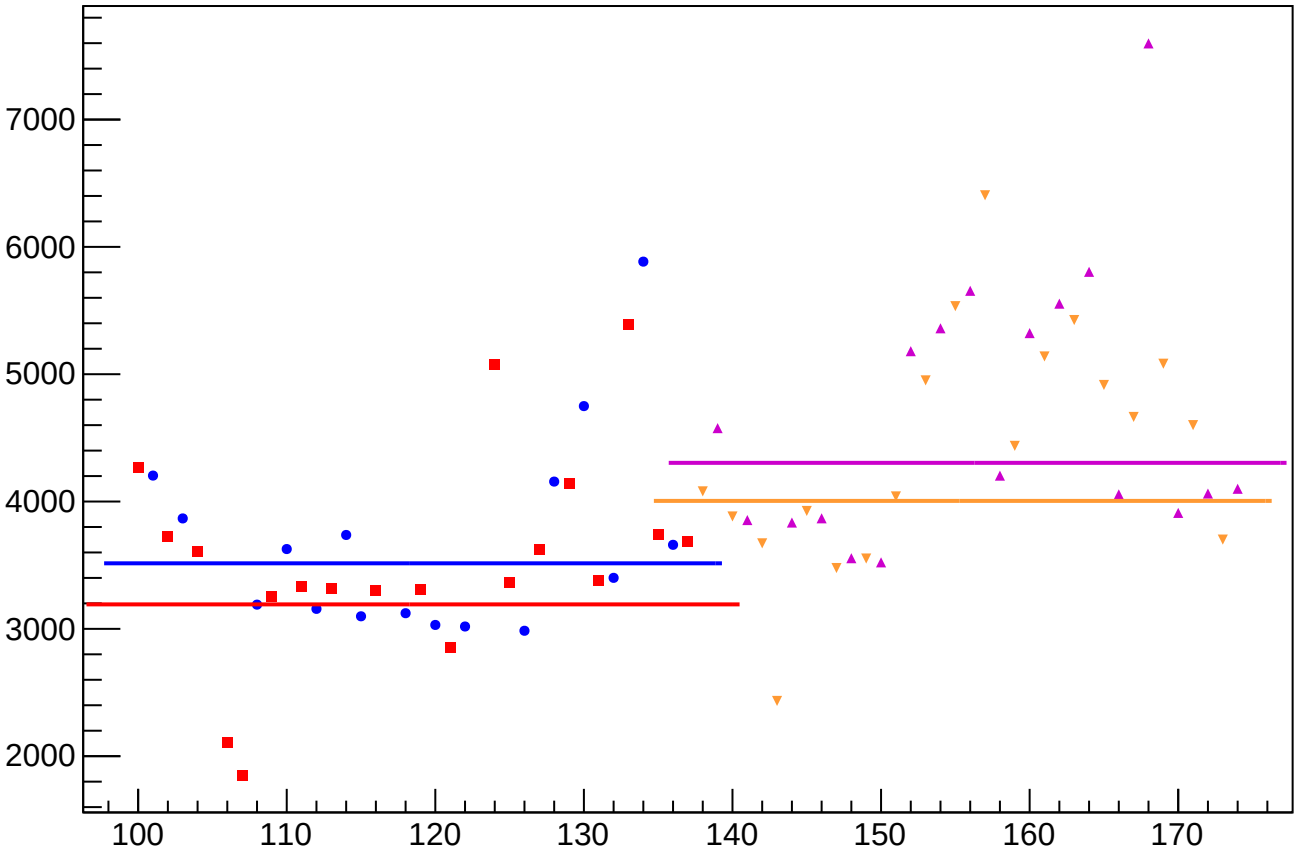
Left: -473.417+/-779.417 χ^2/NDF: 34.1/36

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 256.021+/-864.480 χ^2/NDF:26.5/33

Out: -385.854+/-798.093 χ^2/NDF:39.1/37

All: -90.506+/-586.404 χ^2/NDF: 65.8/71



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

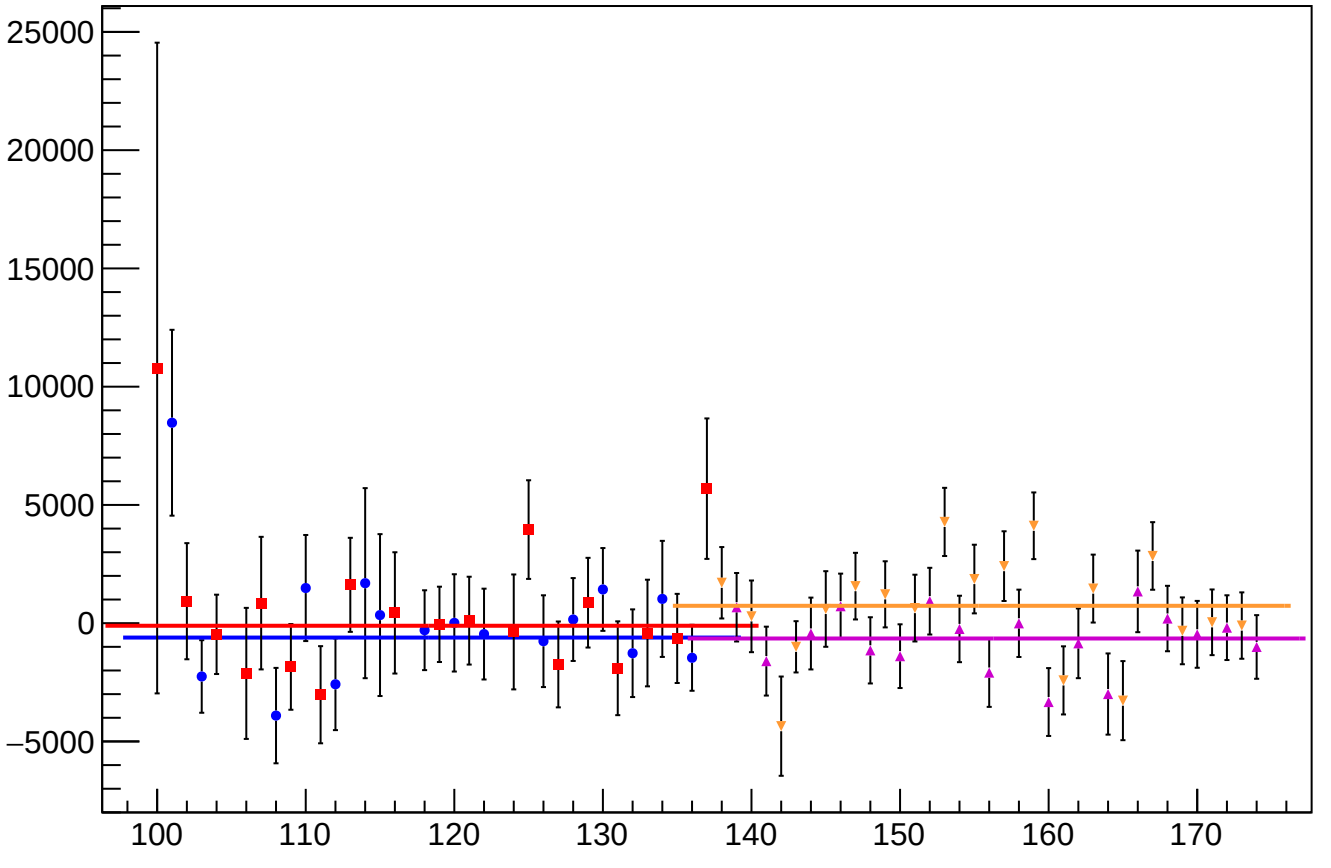
Left: 4144.900+/-0.551 χ^2/NDF: 2657973.8/36

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3969.166+/-0.611 χ^2/NDF:1810578.4/33

Out: 3645.488+/-0.564 χ^2/NDF:2840480.3/37

All: 3794.423+/-0.415 χ^2/NDF: 4802426.0/71



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -647.407+/-339.439 χ^2/NDF:12.5/17

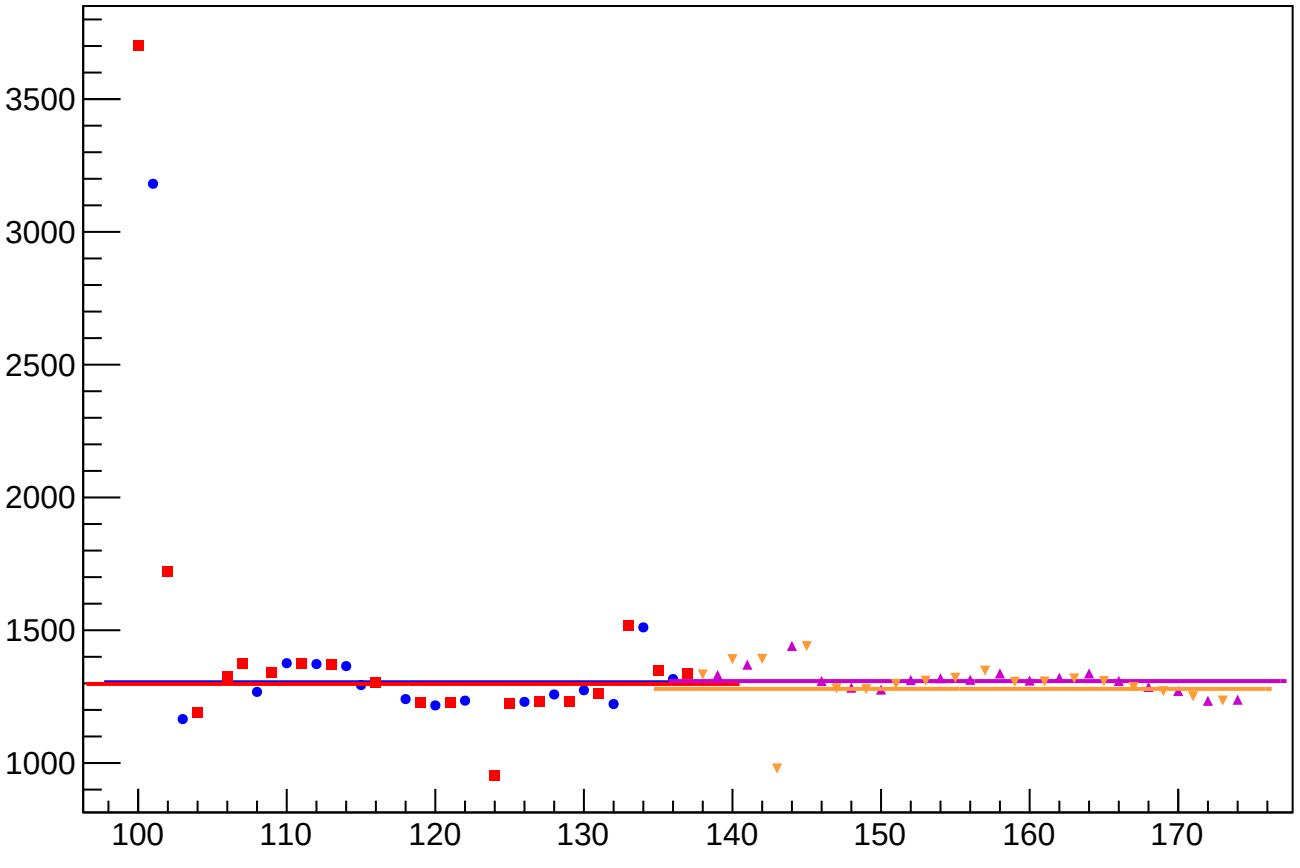
Left: 61.040+/-237.011 χ^2/NDF: 58.3/36

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -634.721+/-279.794 χ^2/NDF:26.6/33

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -71.277+/-195.598 χ^2/NDF: 88.8/71



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1279.192+/-0.234 χ^2/NDF:206356.0/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

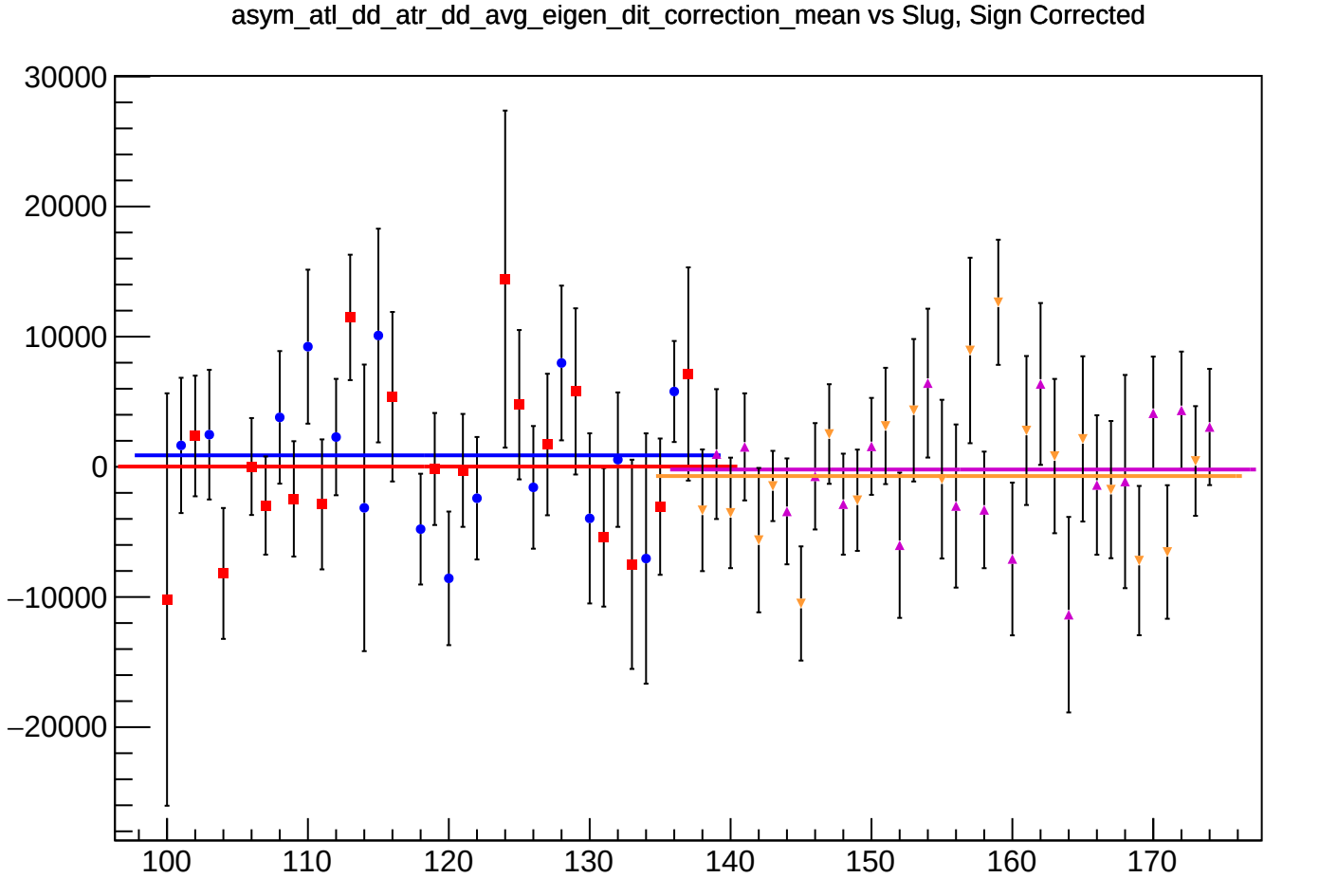
Left: 1293.522+/-0.168 χ^2/NDF: 250011.8/36

Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

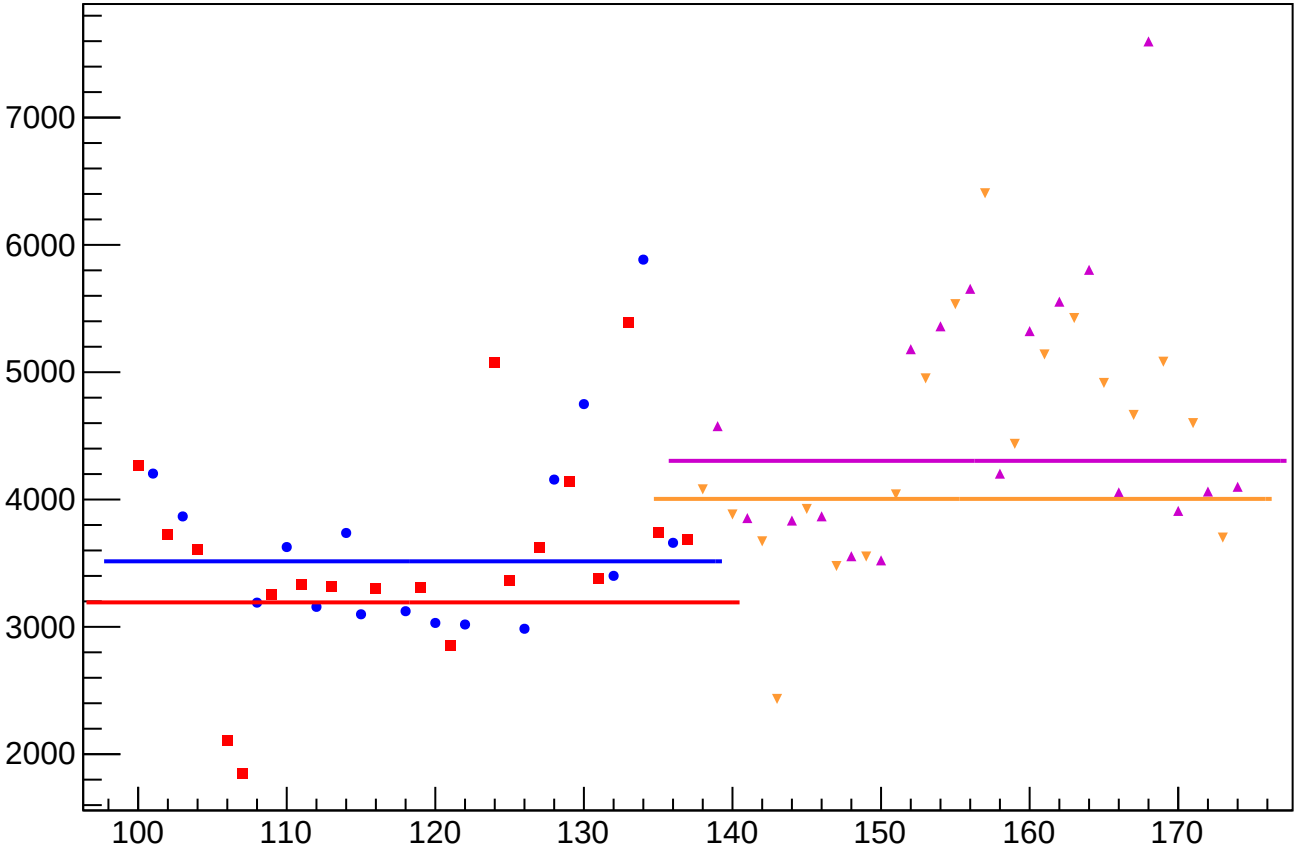
In: 1307.148+/-0.198 χ^2/NDF:546672.1/33

Out: 1285.102+/-0.193 χ^2/NDF:421459.3/37

All: 1295.874+/-0.138 χ^2/NDF: 974481.2/71


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -708.288+/-1068.711 χ²/NDF:22.0/18
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -206.542+/-1139.189 χ²/NDF:12.0/17
Left: -473.415+/-779.418 χ²/NDF: 34.1/36
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 256.019+/-864.479 χ²/NDF:26.5/33
Out: -385.853+/-798.093 χ²/NDF:39.1/37
All: -90.506+/-586.403 χ²/NDF: 65.8/71

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

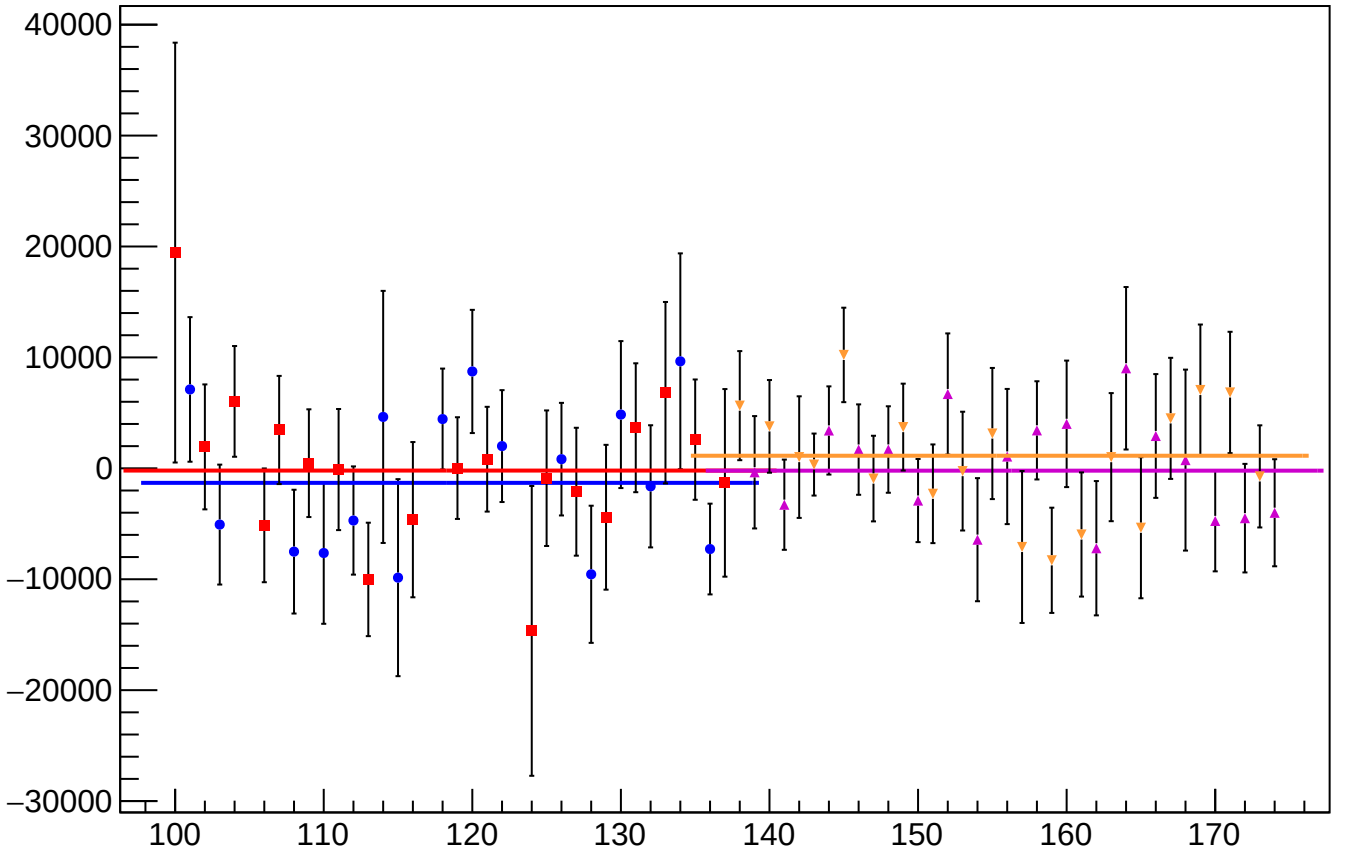
Left: 4144.907+/-0.551 χ^2/NDF: 2657976.5/36

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3969.164+/-0.611 χ^2/NDF:1810601.1/33

Out: 3645.487+/-0.564 χ^2/NDF:2840501.8/37

All: 3794.421+/-0.415 χ^2/NDF: 4802470.1/71



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -210.269+/-1146.548 χ^2/NDF:12.1/17

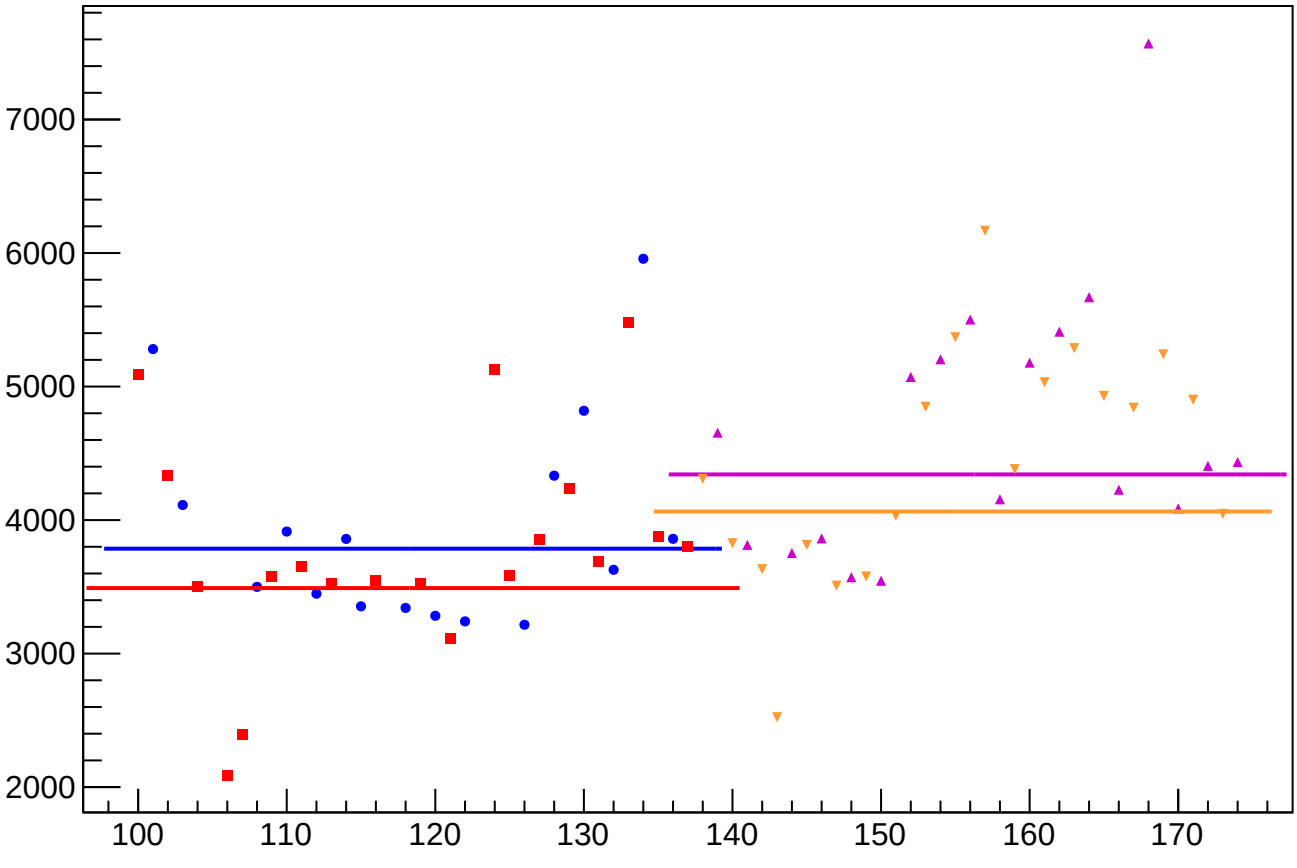
Left: 502.399+/-786.328 χ^2/NDF: 30.9/36

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -639.748+/-894.923 χ^2/NDF:30.1/33

Out: 606.683+/-840.126 χ^2/NDF:30.3/37

All: 22.793+/-612.515 χ^2/NDF: 61.4/71



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

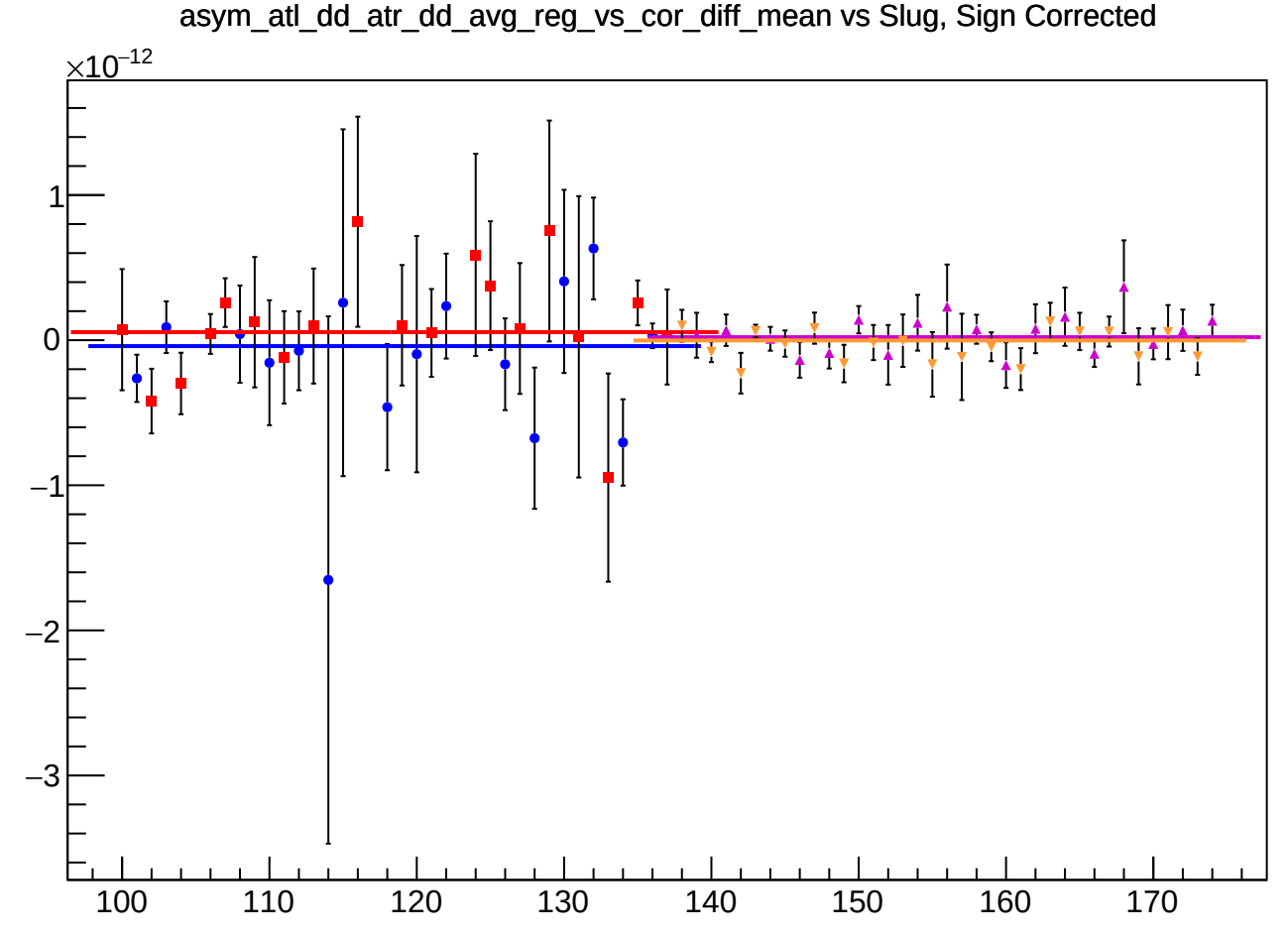
Left: 4194.749+/-0.556 χ^2/NDF: 2398114.1/36

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4124.557+/-0.633 χ^2/NDF:1500307.3/33

Out: 3833.577+/-0.591 χ^2/NDF:2215699.3/37

All: 3969.094+/-0.432 χ^2/NDF: 3828974.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/17

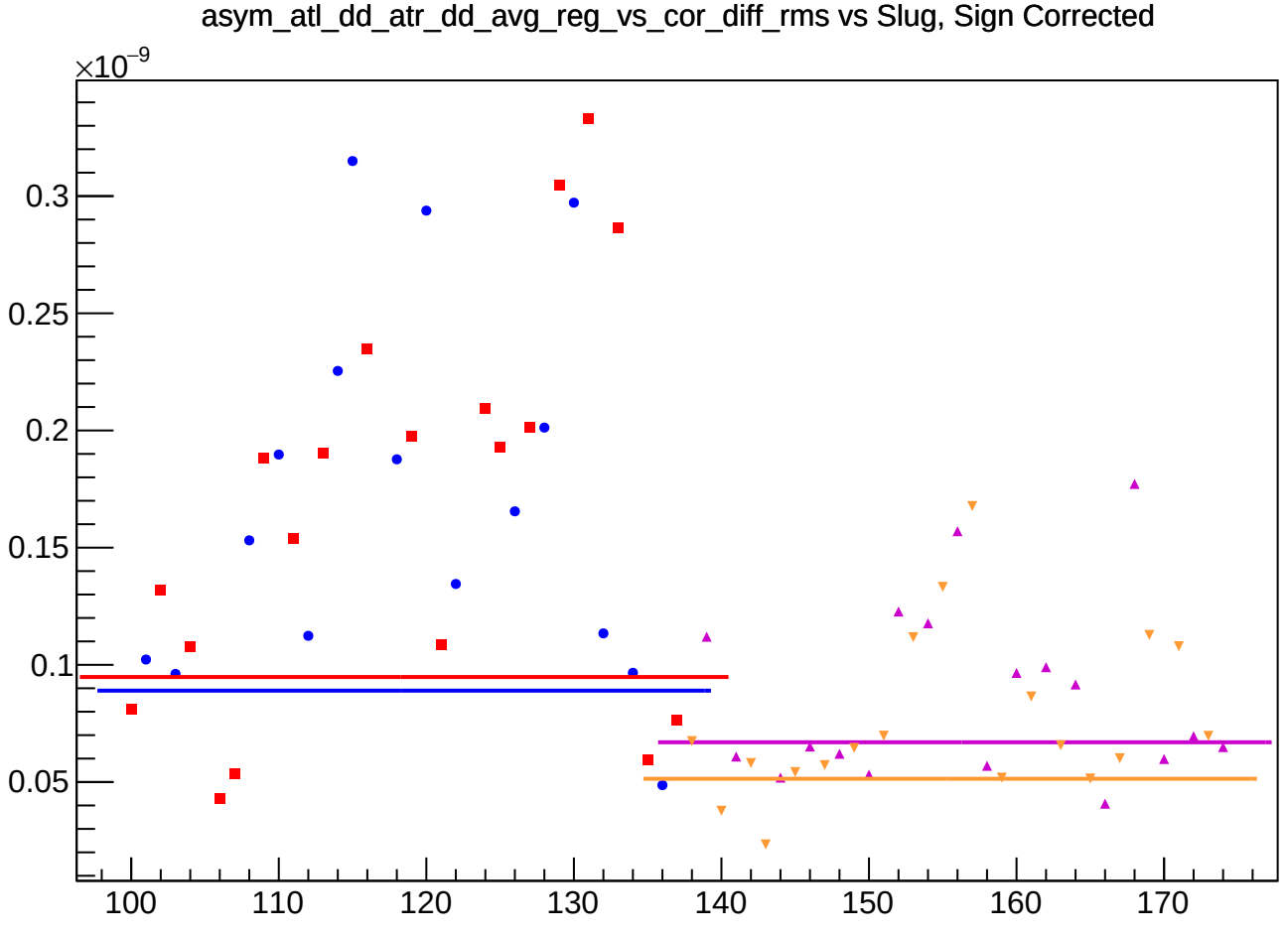
Left: 0.000+/-0.000 χ^2/NDF: 27.1/36

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/33

Out: 0.000+/-0.000 χ^2/NDF:31.2/37

All: 0.000+/-0.000 χ^2/NDF: 60.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2392370.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

Left: 0.000+/-0.000 χ^2/NDF: 4104238.9/36

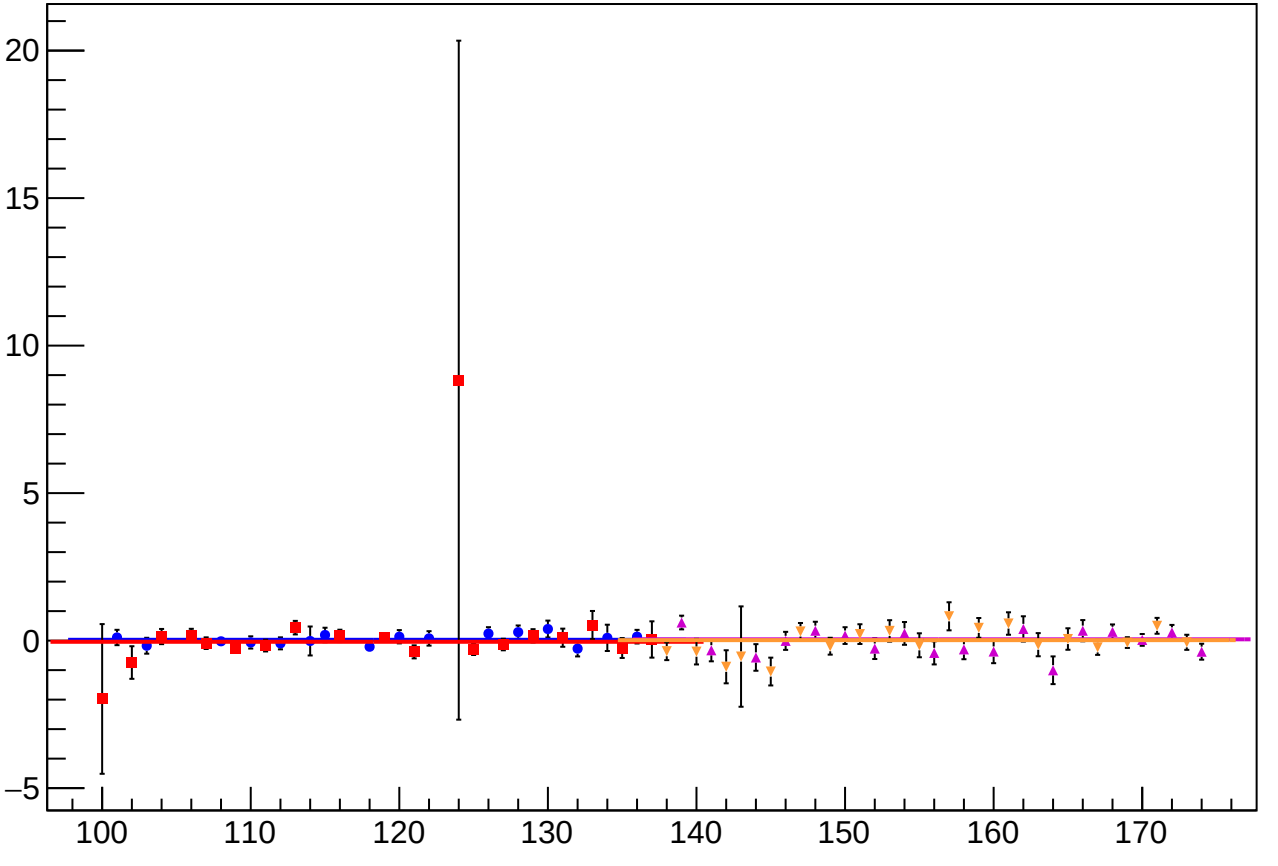
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3059842.5/33

Out: 0.000+/-0.000 χ^2/NDF:4934415.5/37

All: 0.000+/-0.000 χ^2/NDF: 8349189.5/71

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: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

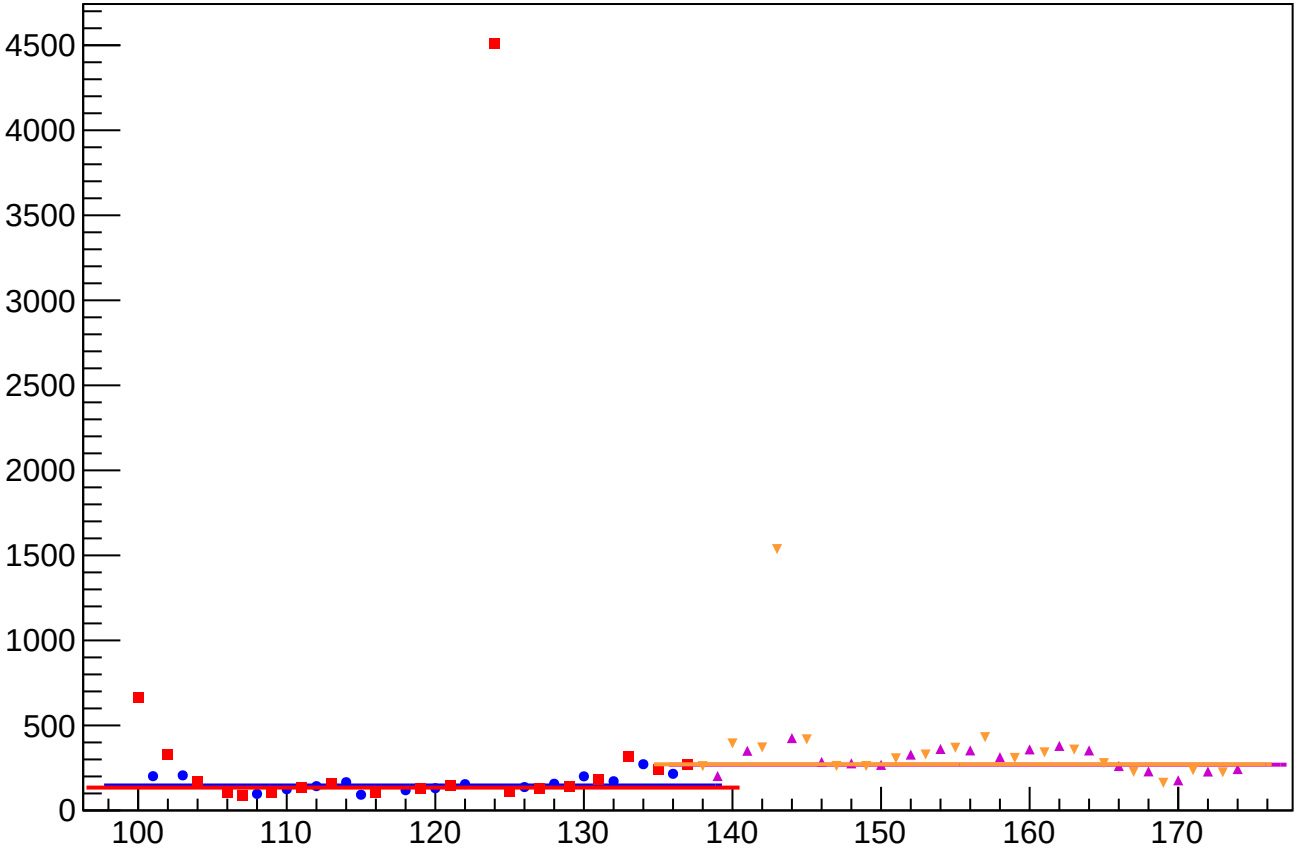
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

Left: 270.304+/-0.037 χ^2/NDF: 4658240.7/36

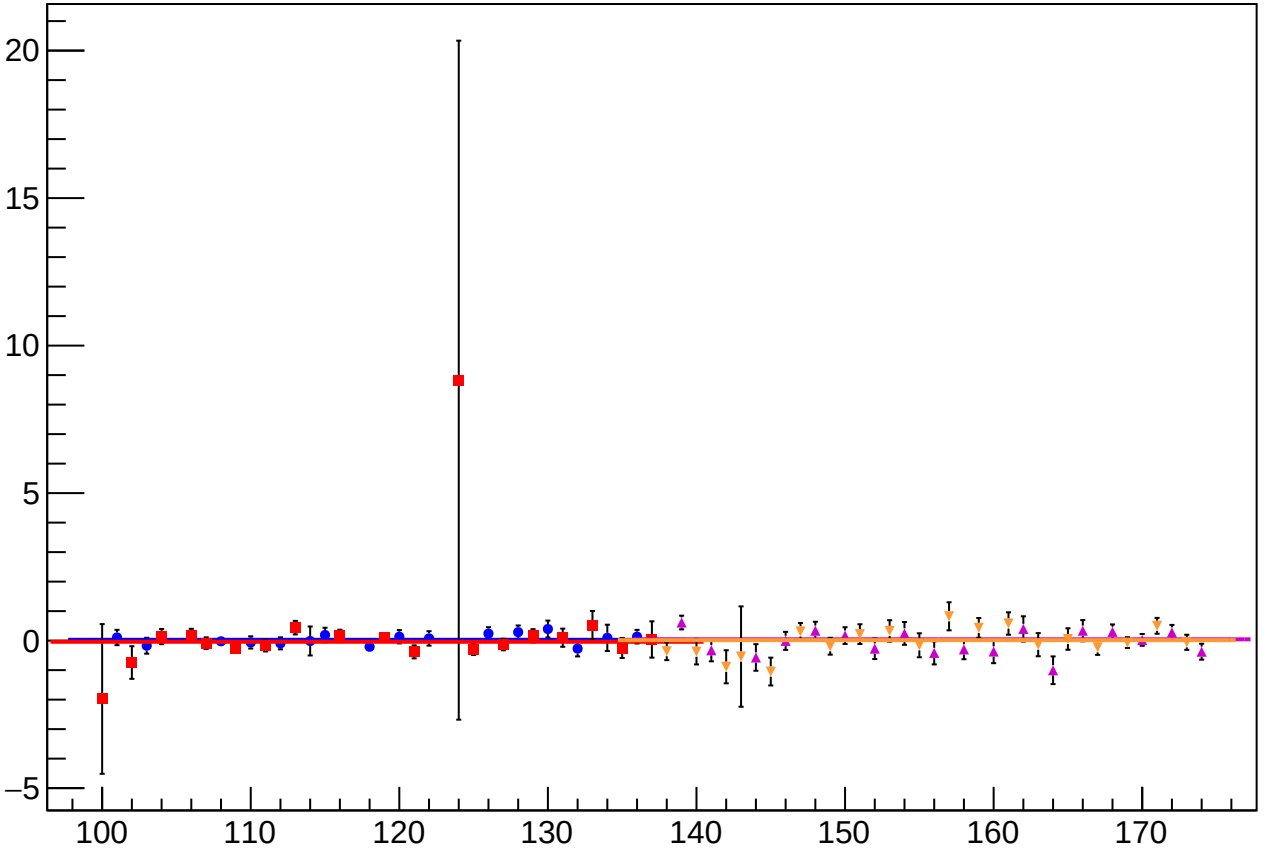
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

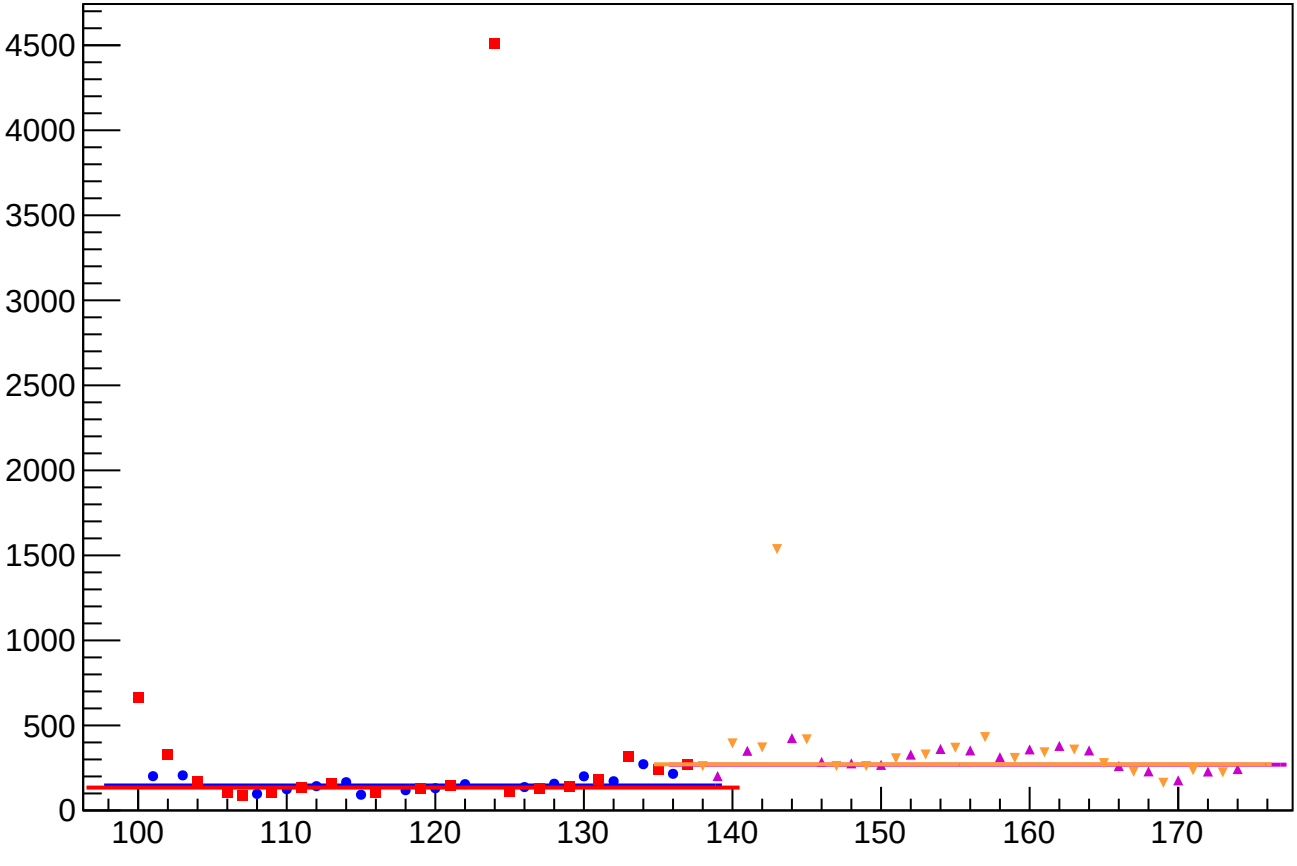
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

Left: 270.304+/-0.037 χ^2/NDF: 4658240.7/36

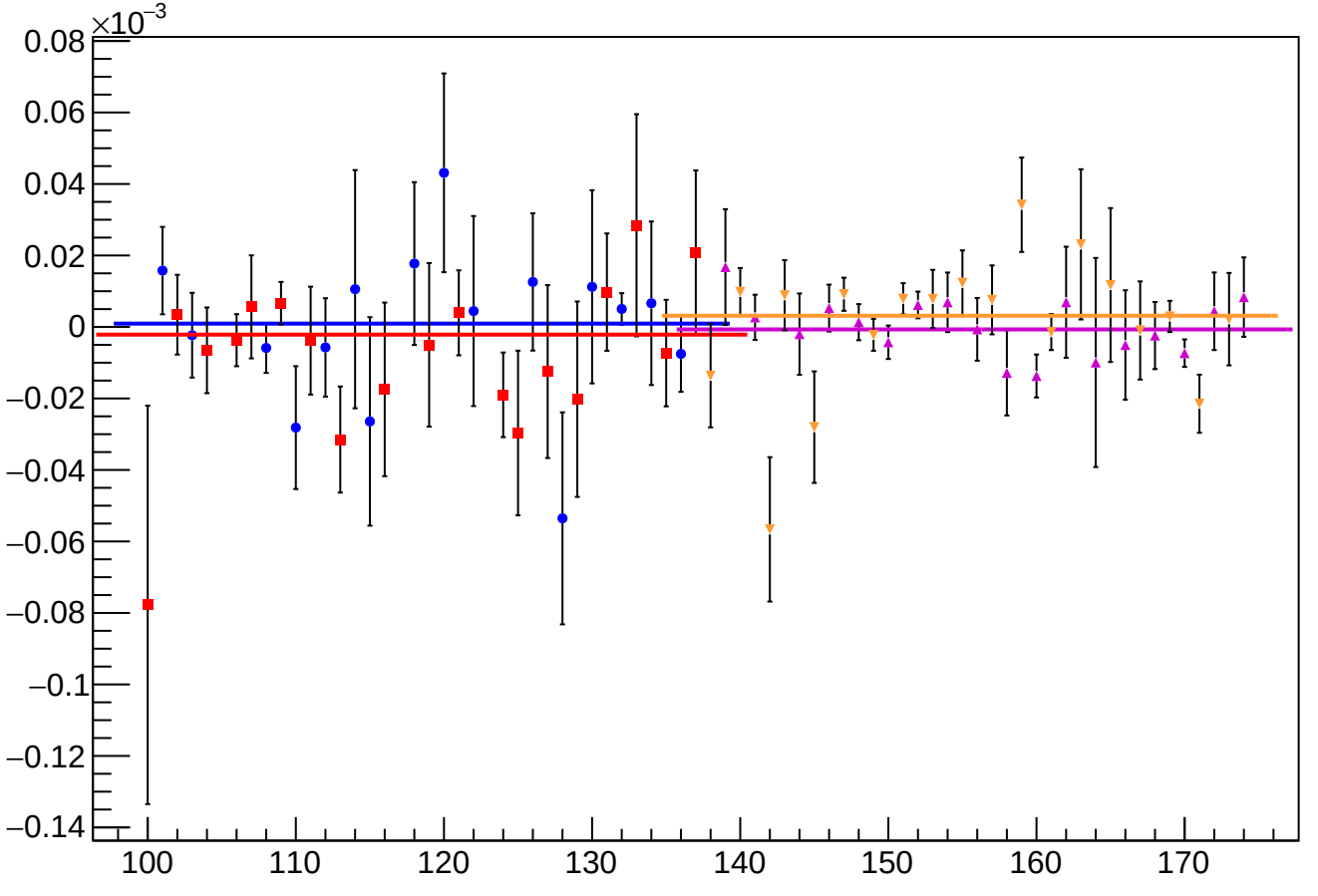
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

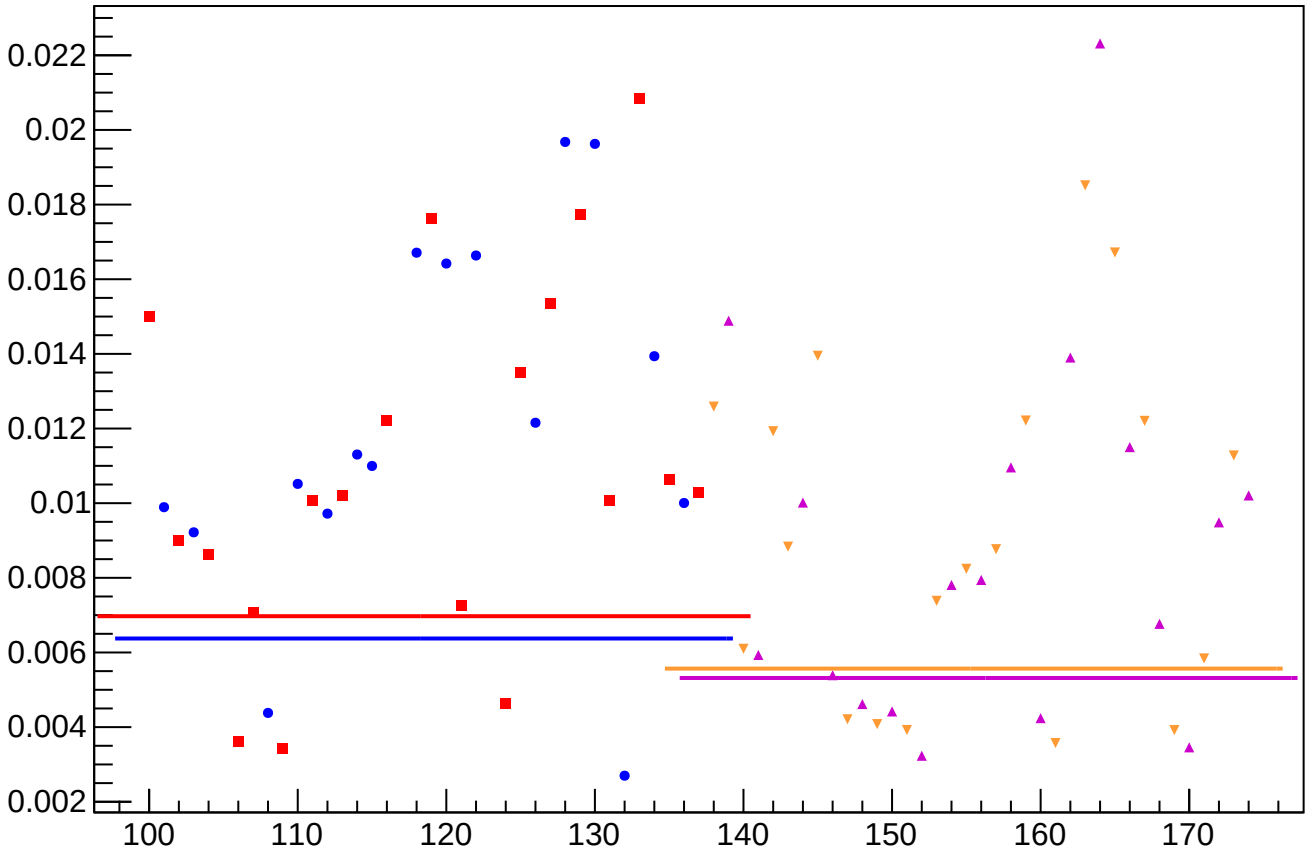
Left: 0.000+/-0.000 χ^2/NDF: 58.0/36

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.4/33

Out: 0.000+/-0.000 χ^2/NDF:56.4/37

All: 0.000+/-0.000 χ^2/NDF: 90.0/71



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5913832.2/18

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

Left: 0.005+/-0.000 χ^2/NDF: 11411767.7/36

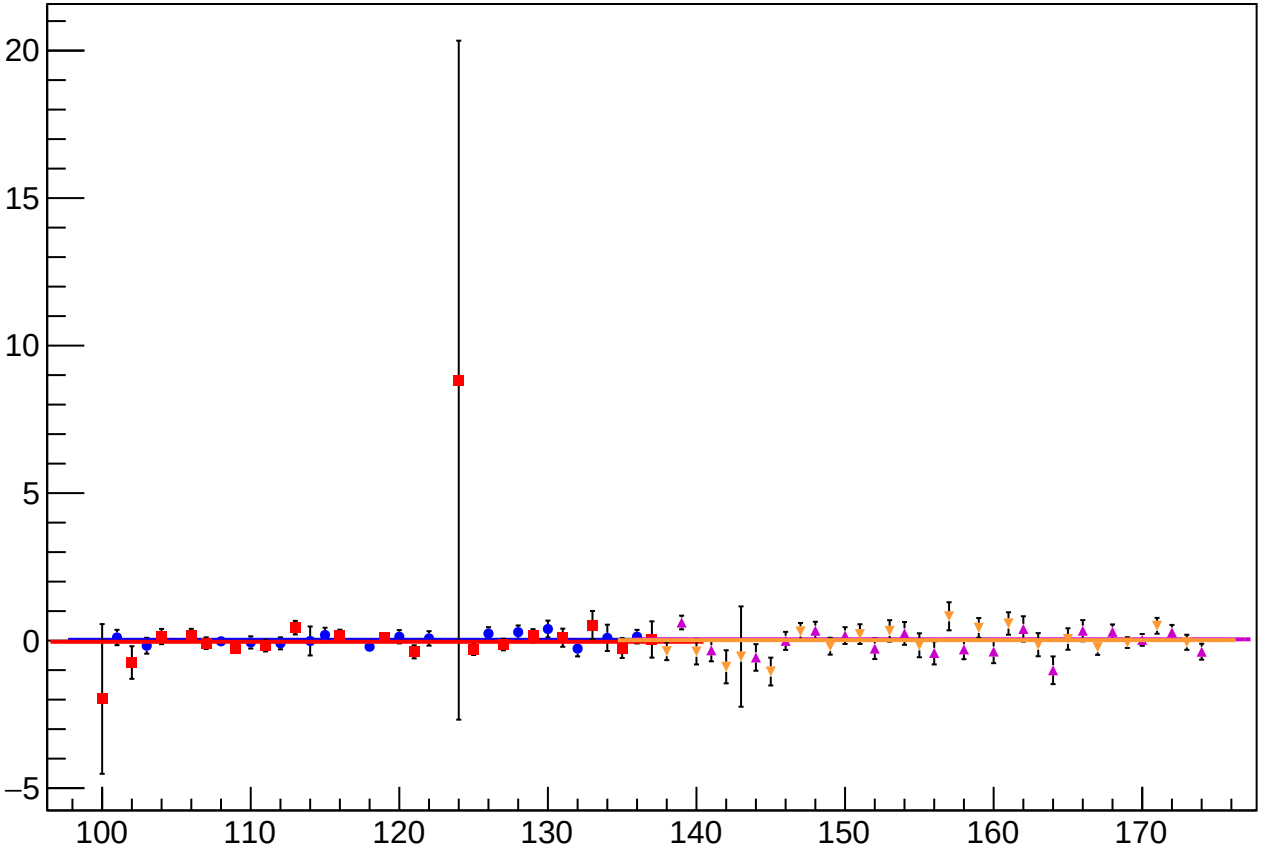
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10314569.2/33

Out: 0.006+/-0.000 χ^2/NDF:9656185.3/37

All: 0.006+/-0.000 χ^2/NDF: 20024617.4/71

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

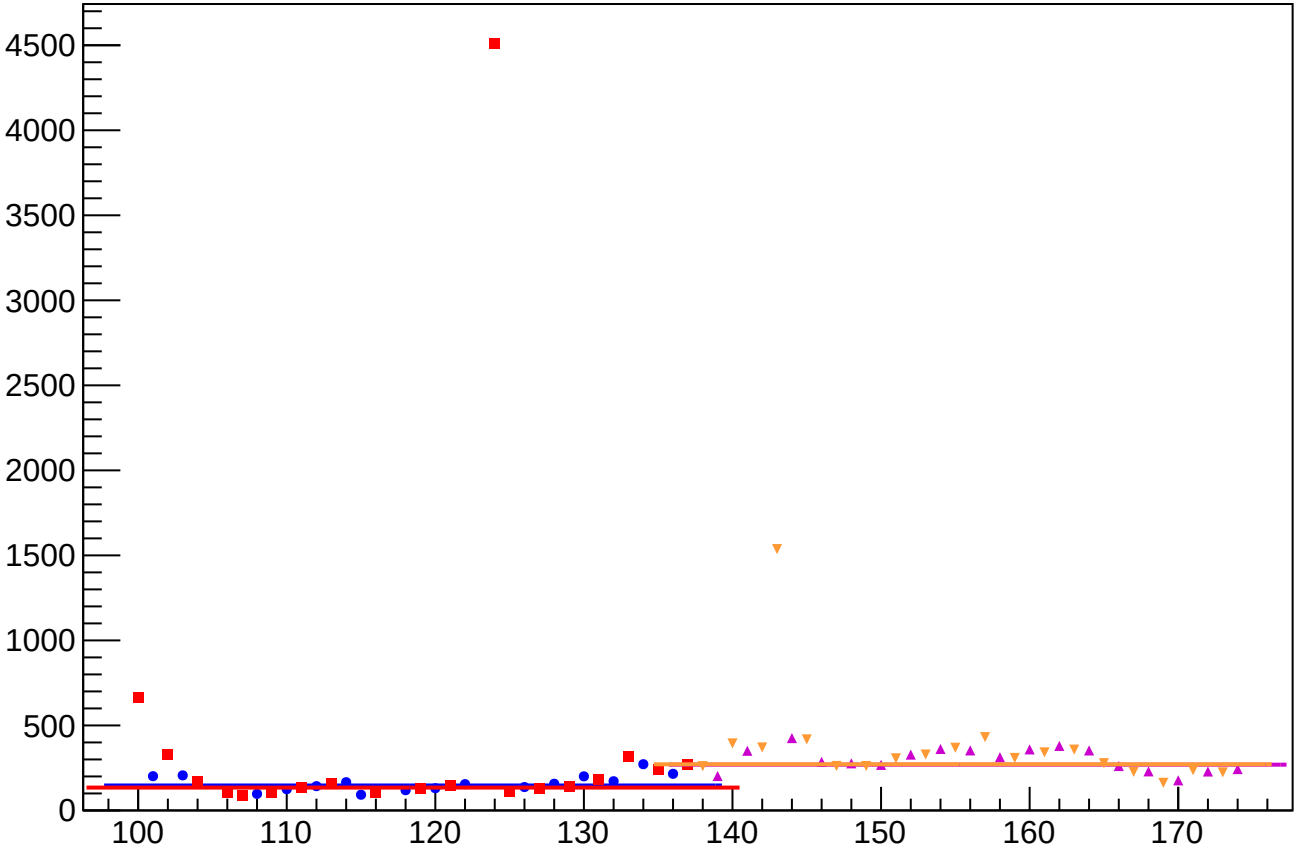
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

Left: 270.305+/-0.037 χ^2/NDF: 4658446.9/36

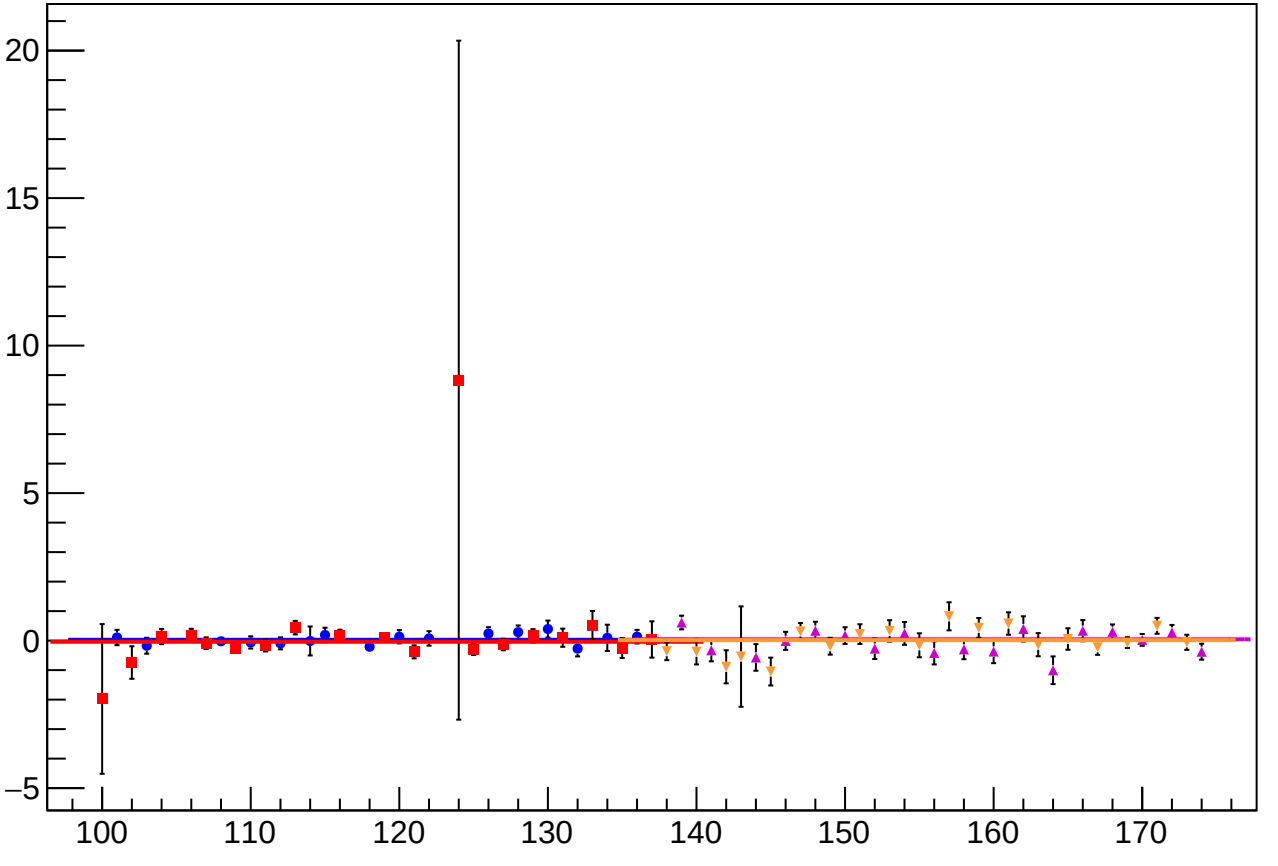
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

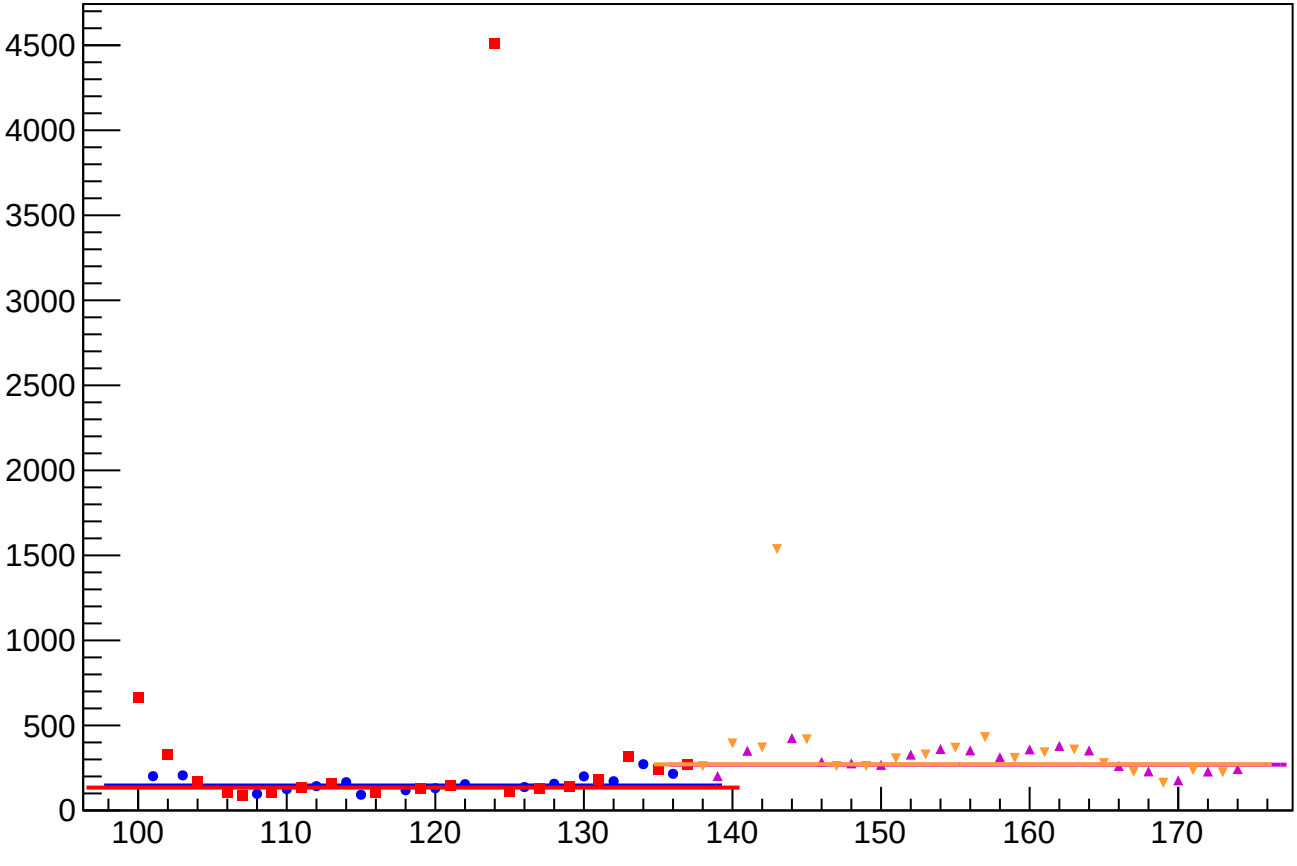
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

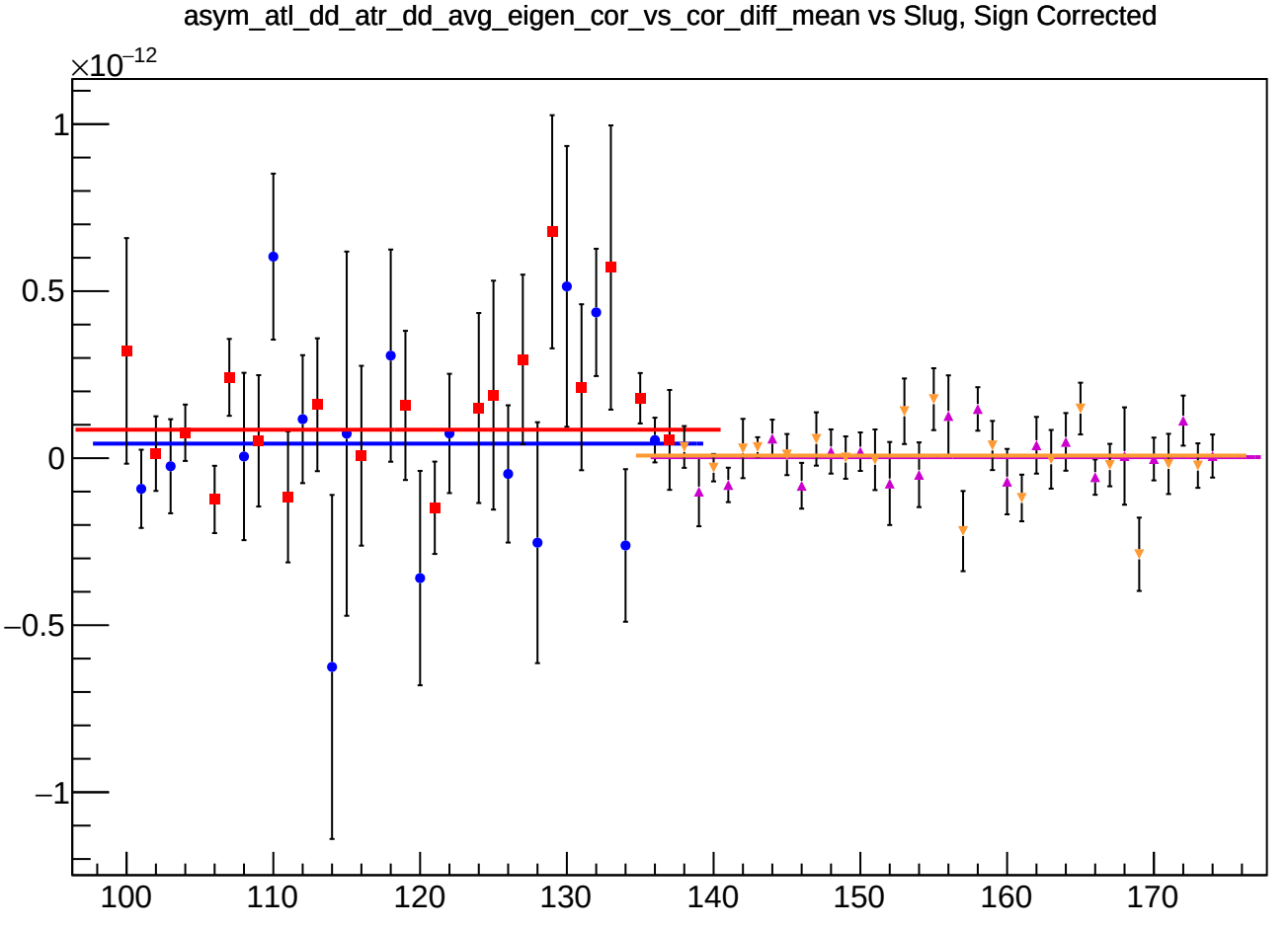
Left: 270.305+/-0.037 χ^2/NDF: 4658446.9/36

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

Left: 0.000+/-0.000 χ^2/NDF: 42.7/36

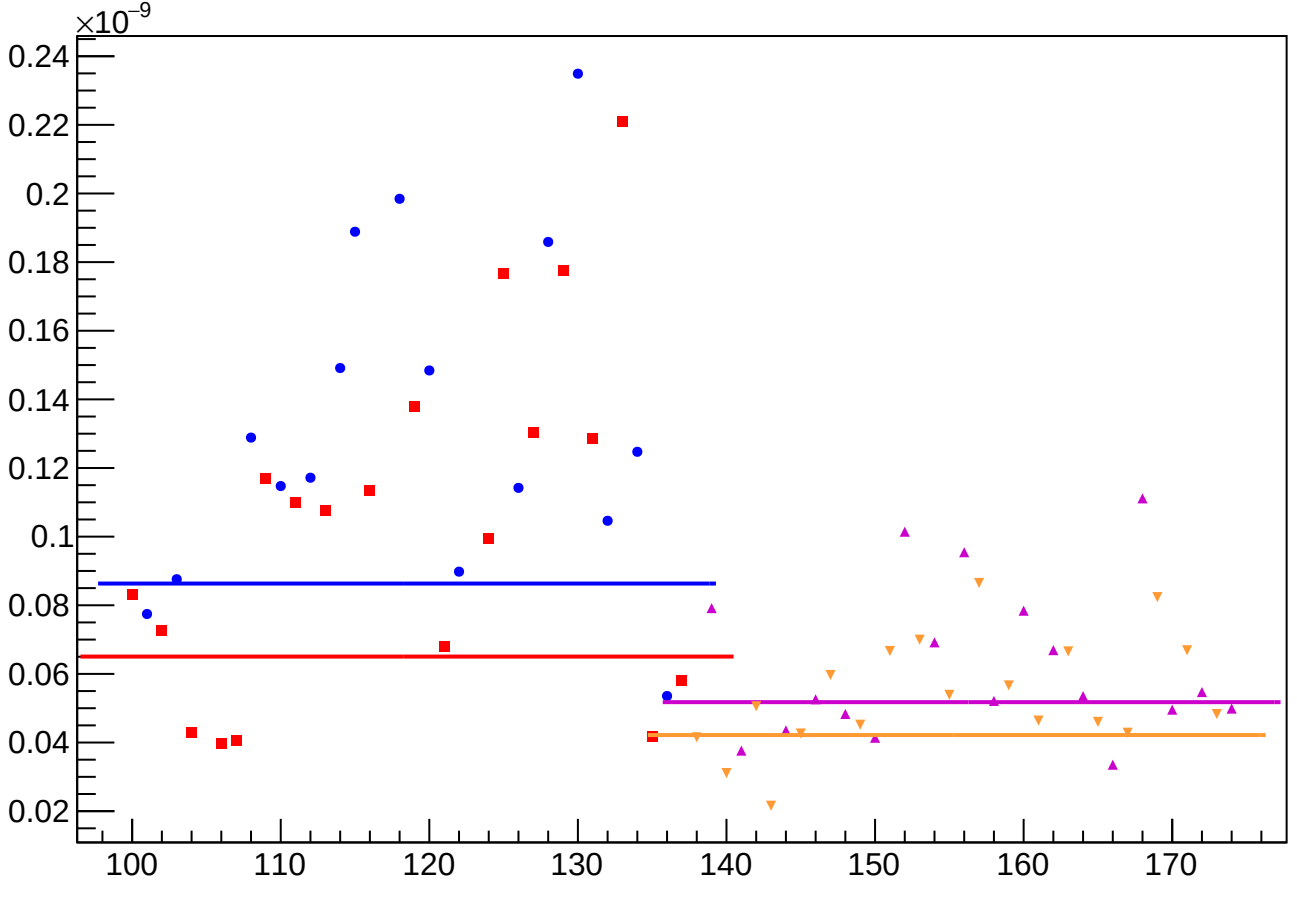
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.3/71

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:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

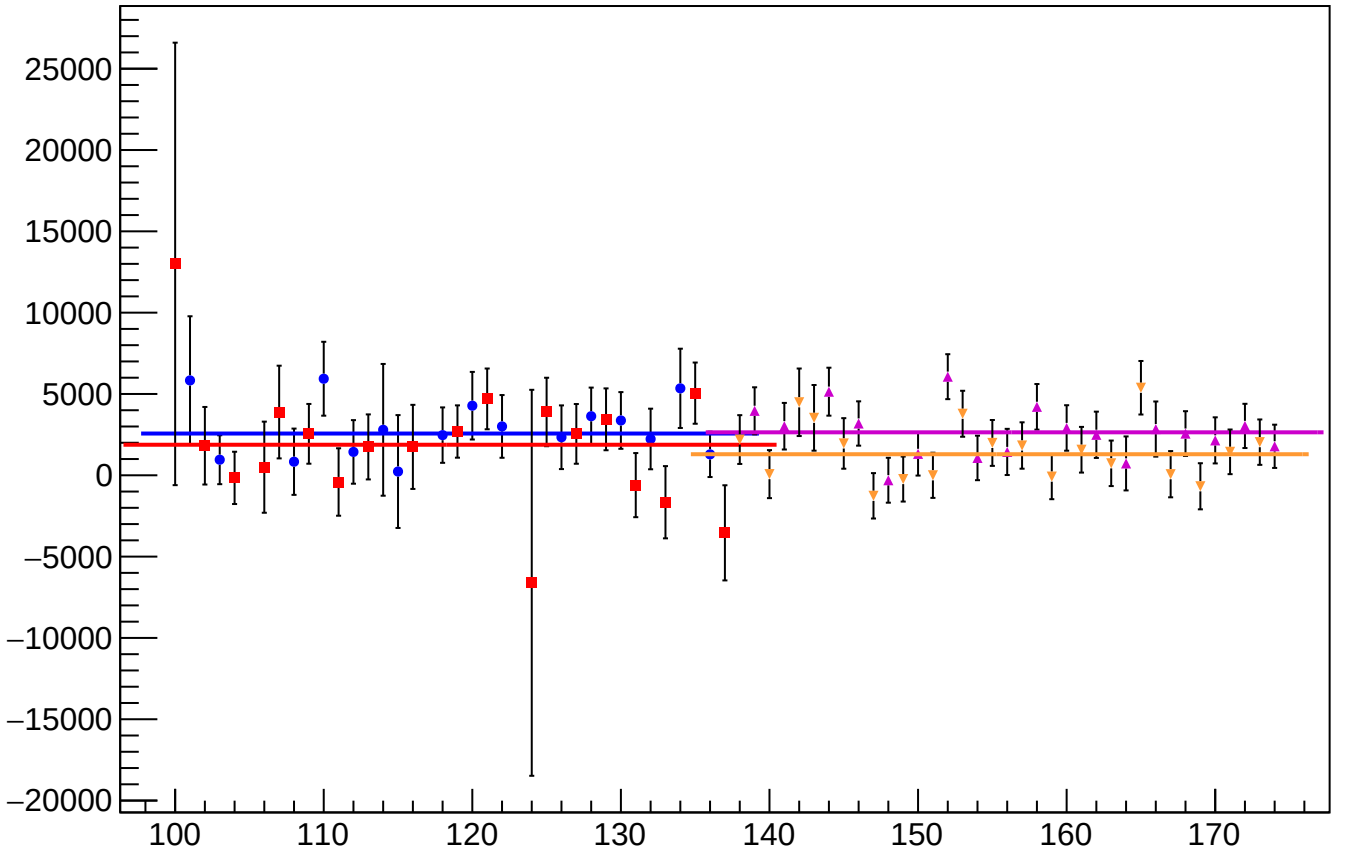
Left: 0.000+/-0.000 χ^2/NDF: 4715673.9/36

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4528513.2/33

Out: 0.000+/-0.000 χ^2/NDF:5431767.0/37

All: 0.000+/-0.000 χ^2/NDF: 10488774.5/71



Right In: 2567.460+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1295.241+/-337.362 χ^2/NDF:24.1/18

Right Out: 1878.030+/-494.719 χ^2/NDF: 19.5/18

Left In: 2641.873+/-334.098 χ^2/NDF:20.9/17

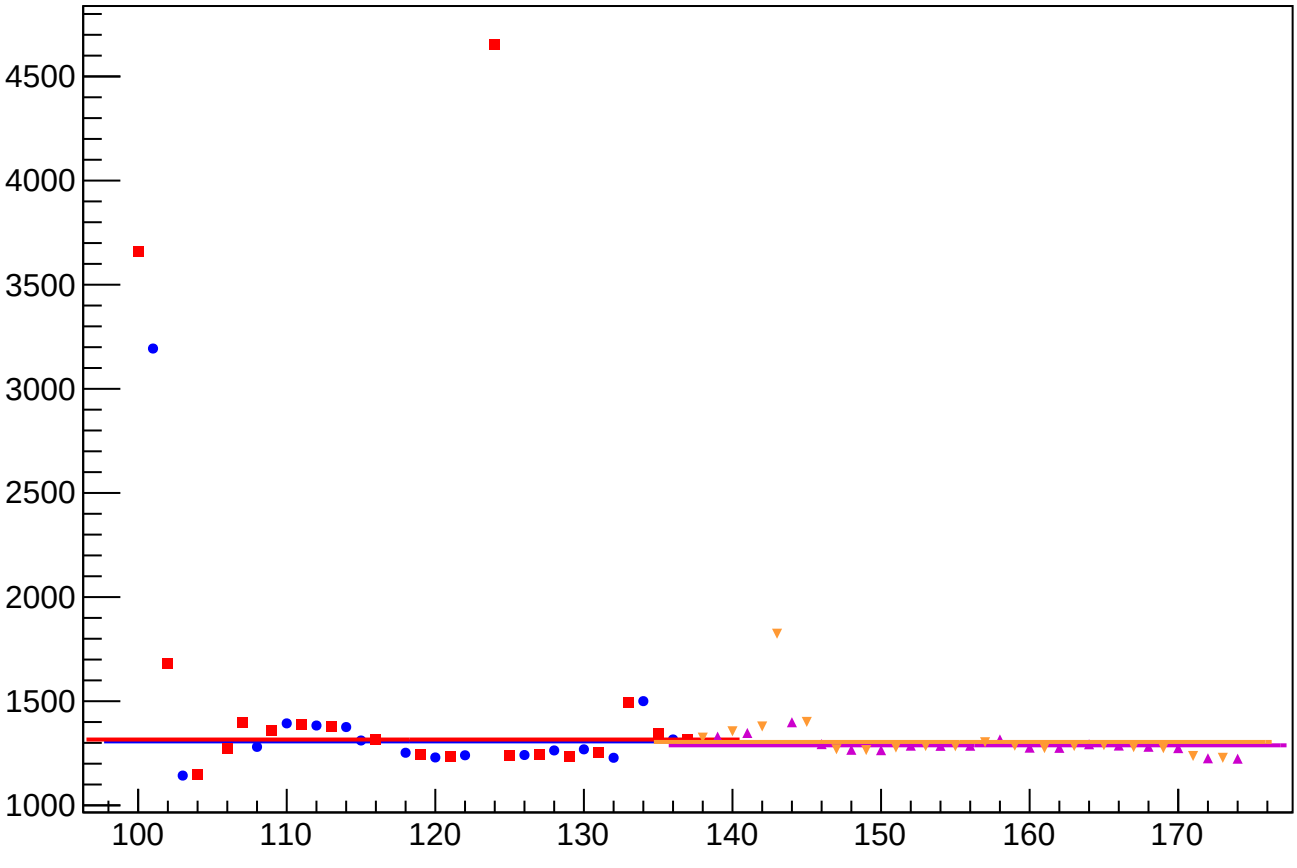
Left: 1975.104+/-237.389 χ^2/NDF: 53.0/36

Right: 2222.296+/-350.047 χ^2/NDF: 29.6/34

In: 2618.607+/-276.988 χ^2/NDF:30.0/33

Out: 1480.229+/-278.724 χ^2/NDF:44.6/37

All: 2052.975+/-196.471 χ^2/NDF: 82.9/71



Right In: 1307.068+/-0.350 χ^2/NDF: 516249.0/15

Left Out: 1304.426+/-0.239 χ^2/NDF:164113.5/18

Right Out: 1315.999+/-0.349 χ^2/NDF: 326420.0/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

Left: 1296.240+/-0.168 χ^2/NDF: 194147.4/36

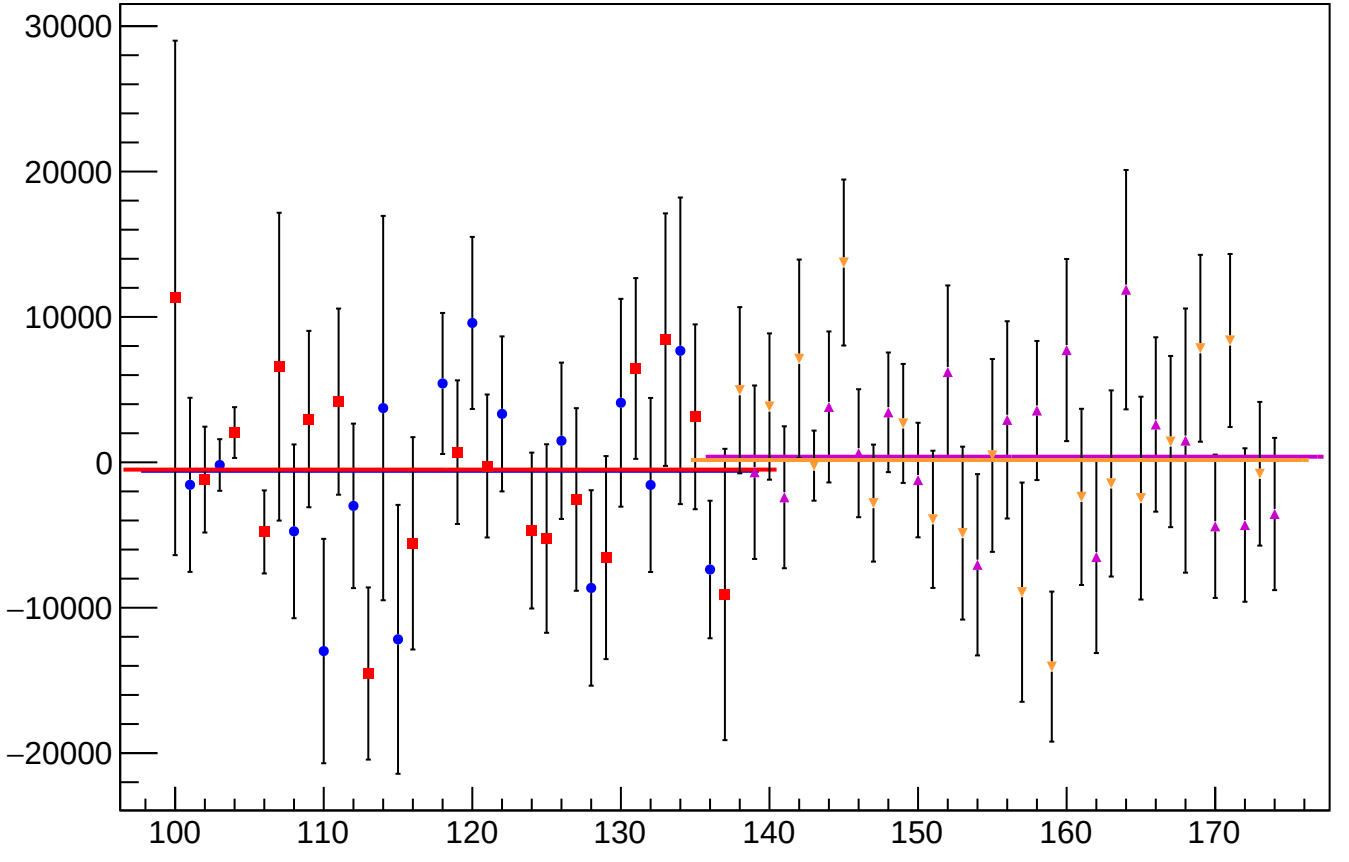
Right: 1311.551+/-0.247 χ^2/NDF: 842995.4/34

In: 1294.107+/-0.196 χ^2/NDF:545942.4/33

Out: 1308.113+/-0.197 χ^2/NDF:491283.3/37

All: 1301.073+/-0.139 χ^2/NDF: 1039768.7/71

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -581.790+/-1192.862 χ^2/NDF: 14.7/15

Left Out: 160.328+/-1146.068 χ^2/NDF:23.2/18

Right Out: -500.098+/-1055.434 χ^2/NDF: 17.7/18

Left In: 386.685+/-1271.793 χ^2/NDF:11.3/17

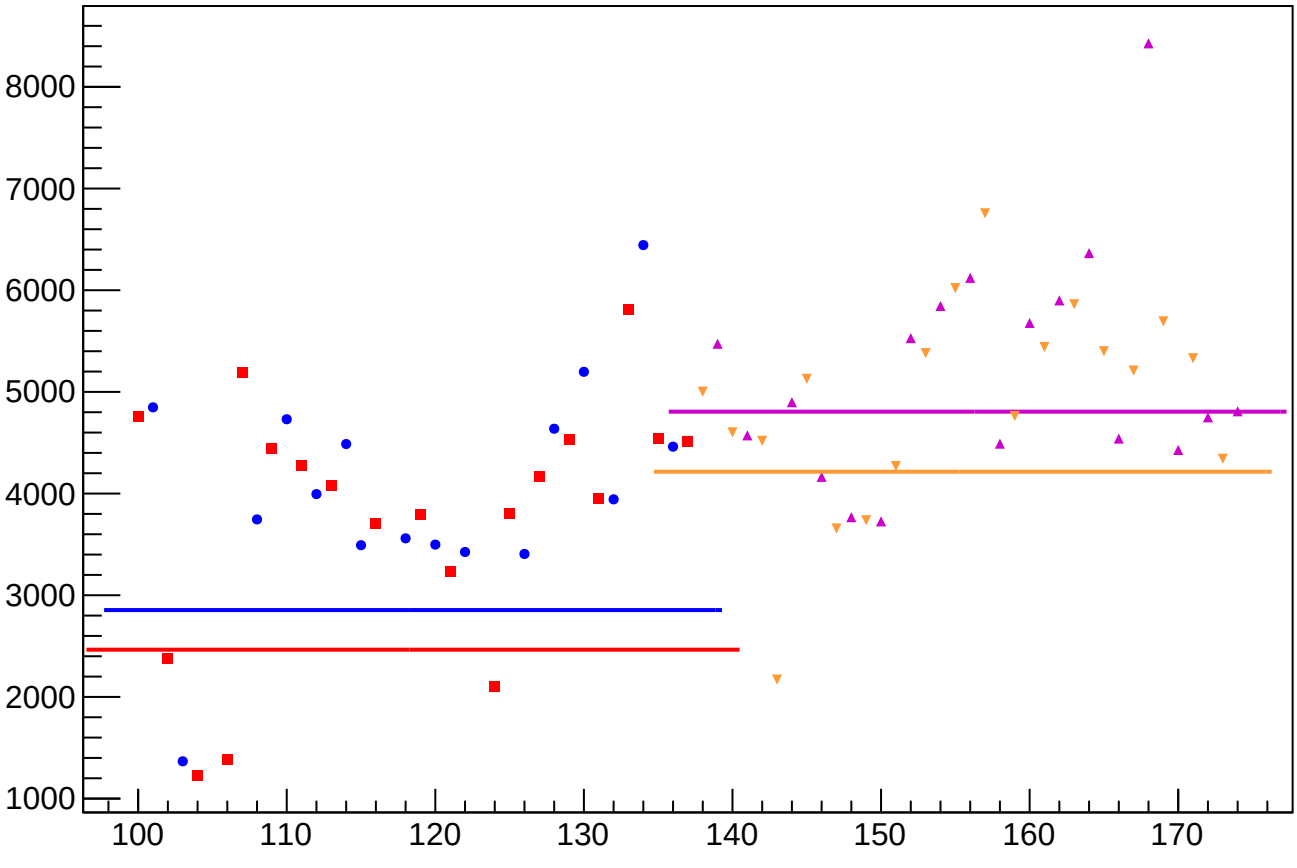
Left: 261.768+/-851.381 χ^2/NDF: 34.5/36

Right: -535.969+/-790.447 χ^2/NDF: 32.4/34

In: -128.536+/-870.047 χ^2/NDF:26.4/33

Out: -197.028+/-776.372 χ^2/NDF:41.1/37

All: -166.667+/-579.276 χ^2/NDF: 67.5/71



Right In: 2854.300+/-0.843 χ^2/NDF: 2904822.2/15

Left Out: 4215.162+/-0.810 χ^2/NDF:2590673.5/18

Right Out: 2464.593+/-0.746 χ^2/NDF: 3355947.0/18

Left In: 4805.694+/-0.899 χ^2/NDF:1018175.9/17

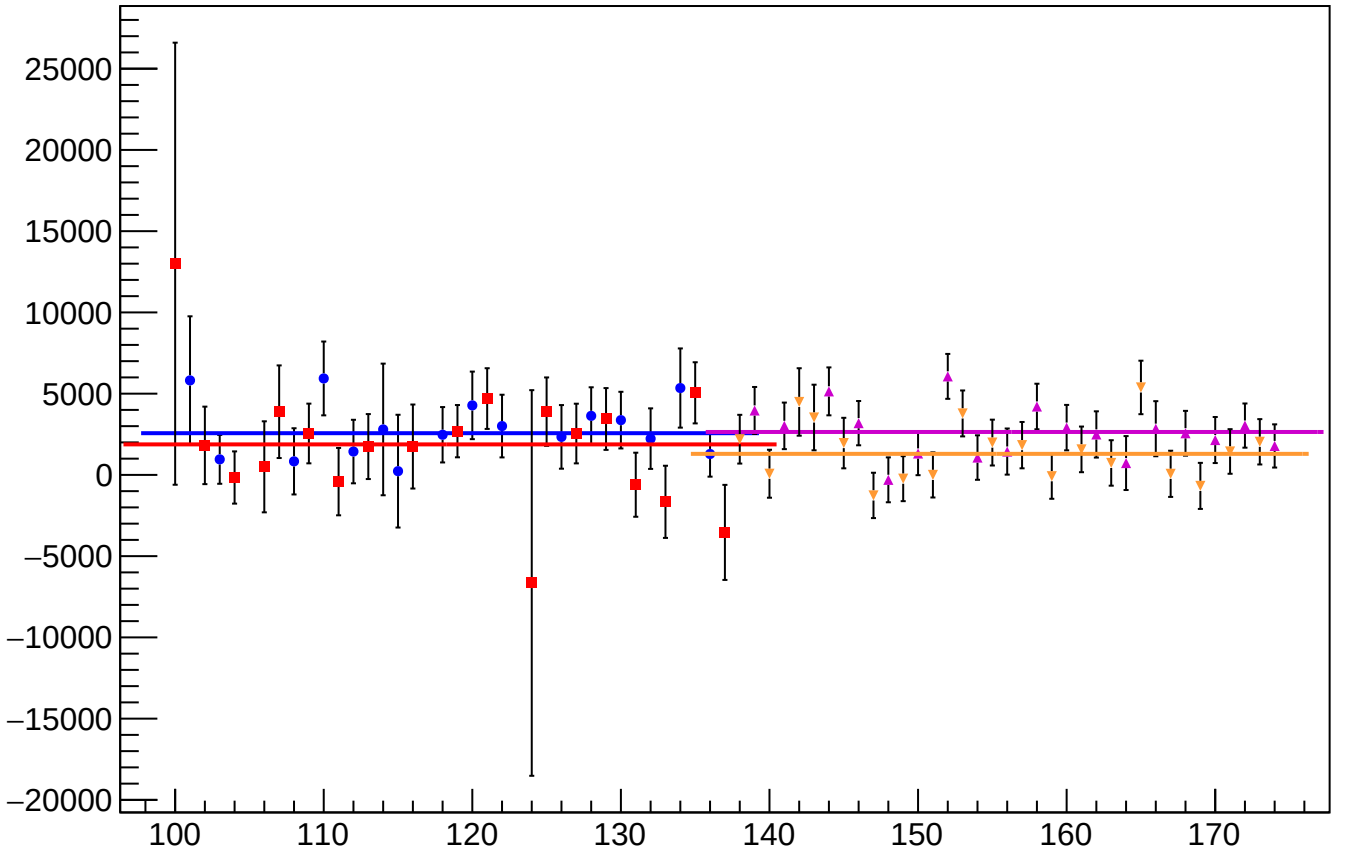
Left: 4479.804+/-0.602 χ^2/NDF: 3846813.5/36

Right: 2635.714+/-0.559 χ^2/NDF: 6380500.9/34

In: 3767.567+/-0.615 χ^2/NDF:6427911.4/33

Out: 3267.930+/-0.549 χ^2/NDF:8471523.2/37

All: 3489.412+/-0.410 χ^2/NDF: 15266620.5/7



Right In: 2567.180+/-495.364 χ^2/NDF: 9.0/15

Left Out: 1295.181+/-337.362 χ^2/NDF:24.1/18

Right Out: 1877.774+/-494.719 χ^2/NDF: 19.5/18

Left In: 2641.889+/-334.098 χ^2/NDF:20.9/17

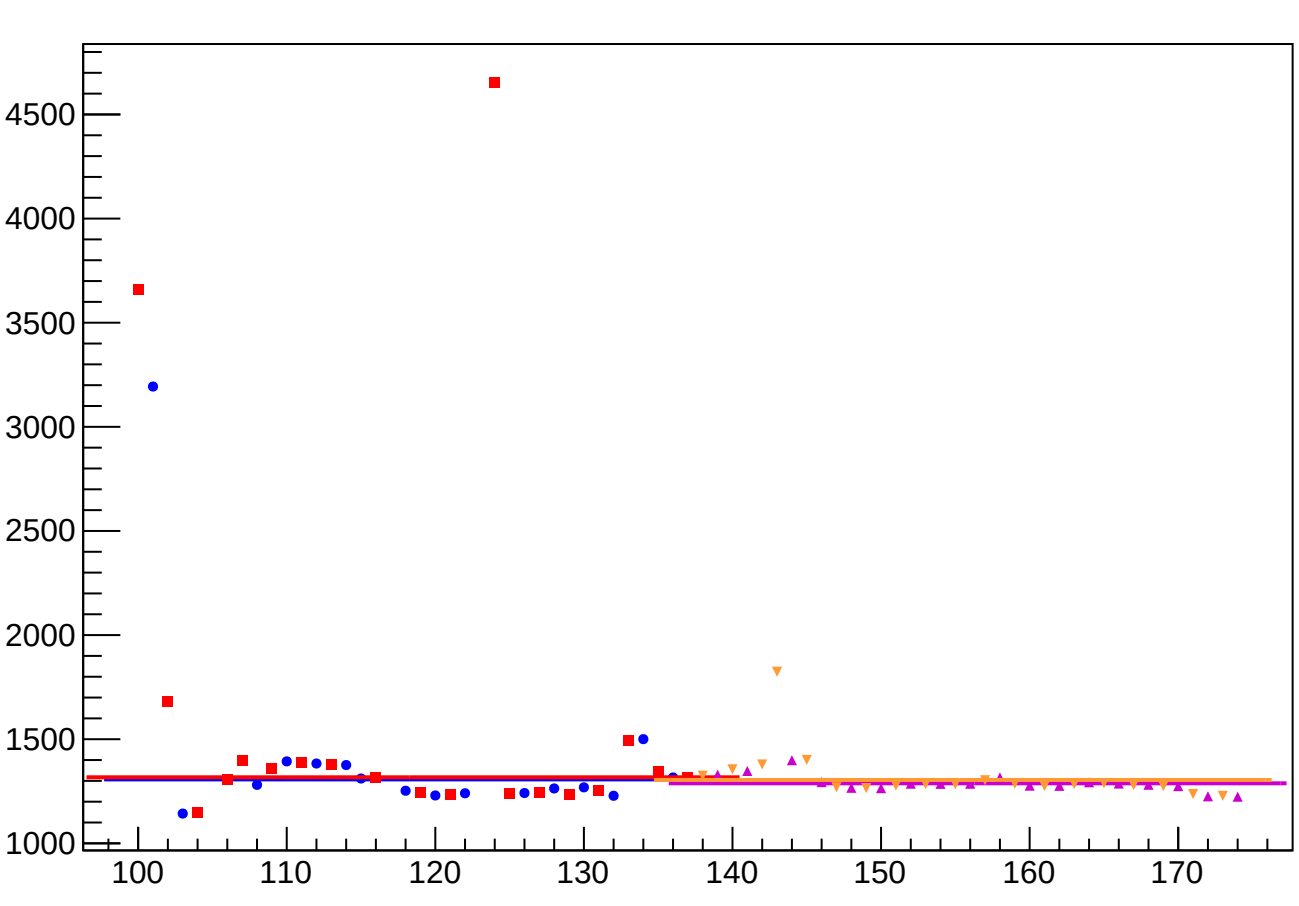
Left: 1975.082+/-237.389 χ^2/NDF: 53.0/36

Right: 2222.028+/-350.047 χ^2/NDF: 29.6/34

In: 2618.531+/-276.988 χ^2/NDF:30.0/33

Out: 1480.106+/-278.724 χ^2/NDF:44.6/37

All: 2052.876+/-196.471 χ^2/NDF: 82.9/71



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1304.426+/-0.239 χ^2/NDF:164113.5/18

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

Left: 1296.240+/-0.168 χ^2/NDF: 194147.4/36

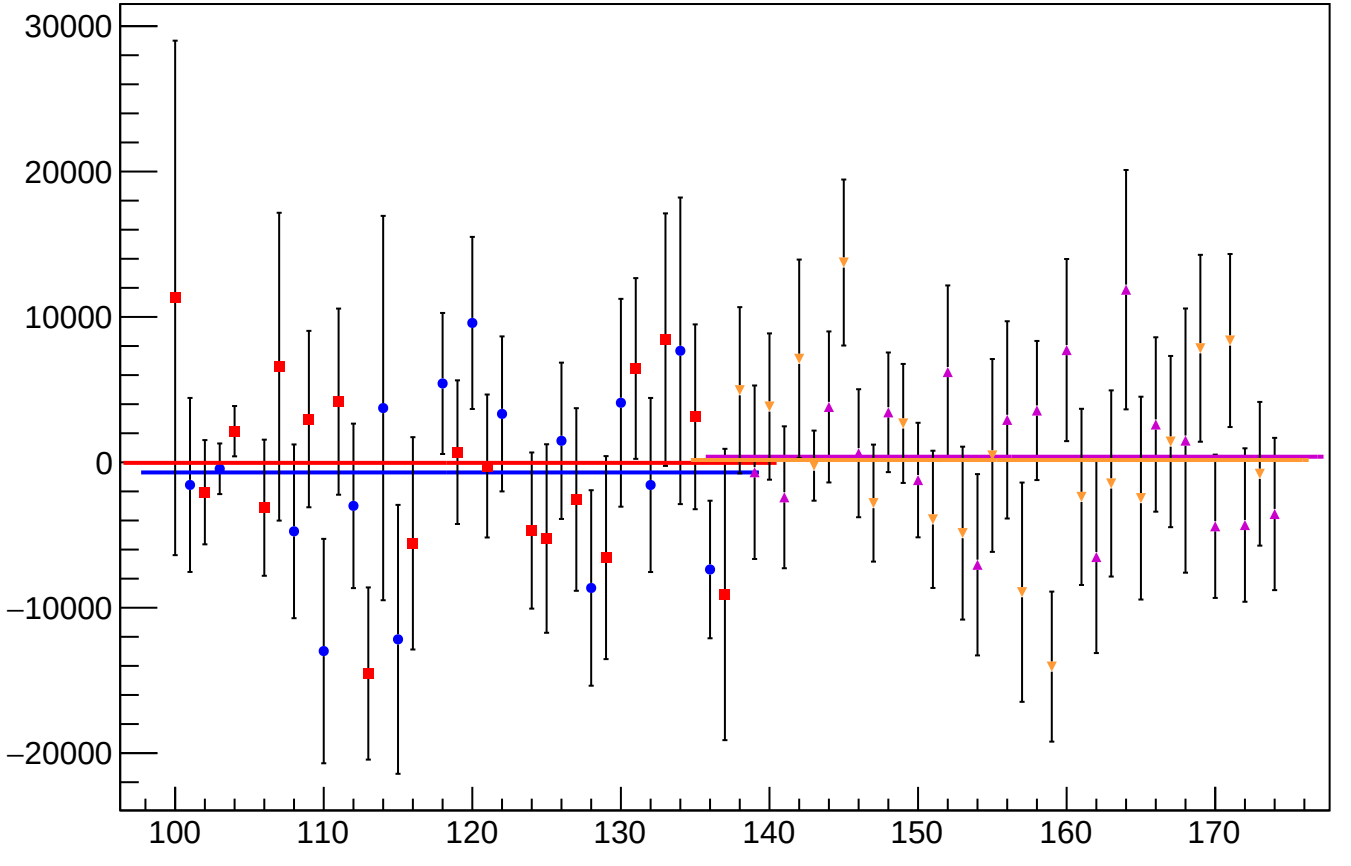
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1294.107+/-0.196 χ^2/NDF:545943.8/33

Out: 1308.469+/-0.197 χ^2/NDF:490942.5/37

All: 1301.247+/-0.139 χ^2/NDF: 1039559.4/71

asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -695.249+/-1182.433 χ^2/NDF: 14.7/15

Left Out: 160.306+/-1146.064 χ^2/NDF:23.2/18

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 386.746+/-1271.793 χ^2/NDF:11.3/17

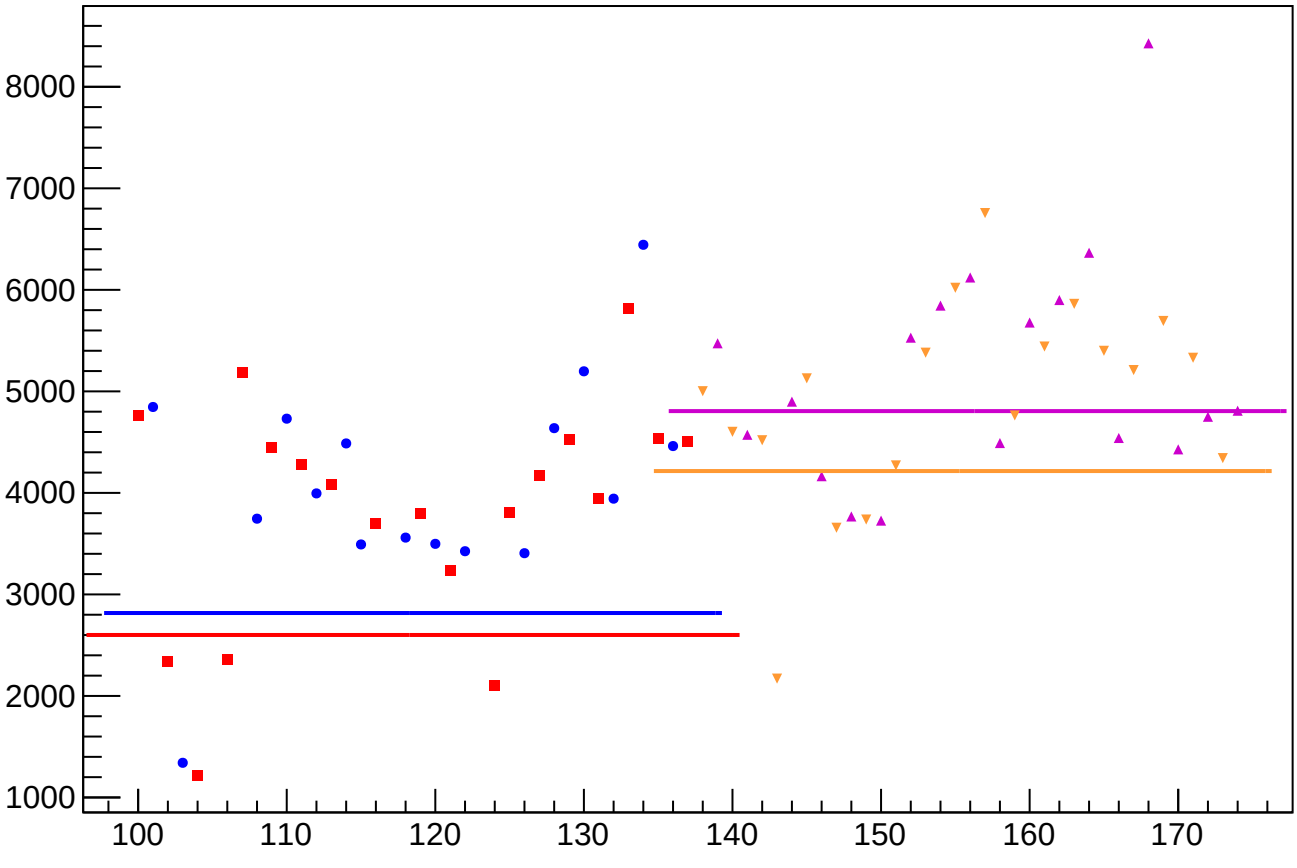
Left: 261.783+/-851.380 χ^2/NDF: 34.5/36

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -193.596+/-865.976 χ^2/NDF:26.4/33

Out: 57.909+/-792.929 χ^2/NDF:39.1/37

All: -56.790+/-584.807 χ^2/NDF: 65.6/71



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4215.141+/-0.810 χ^2/NDF:2590753.7/18

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

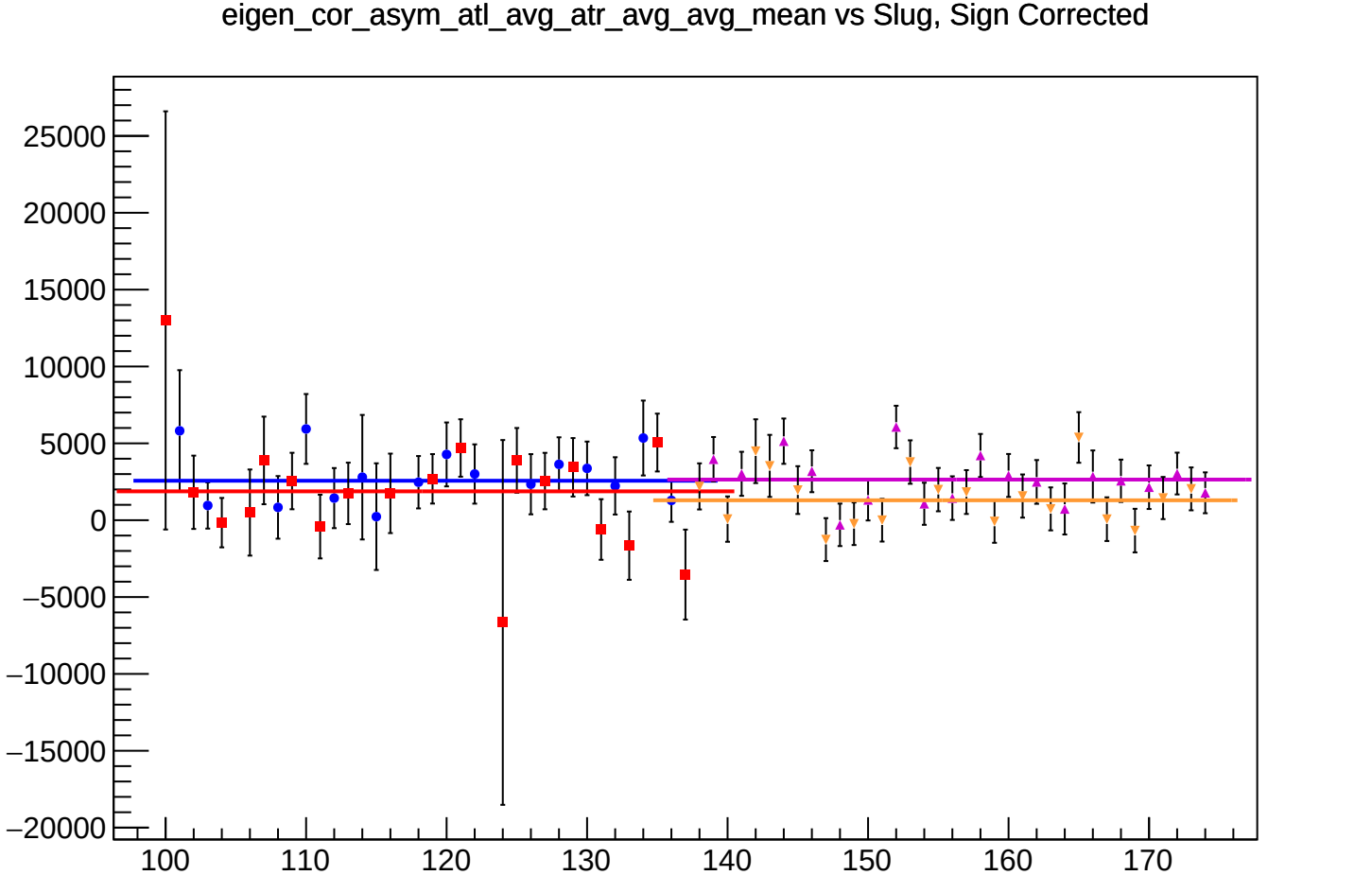
Left: 4479.792+/-0.602 χ^2/NDF: 3846918.3/36

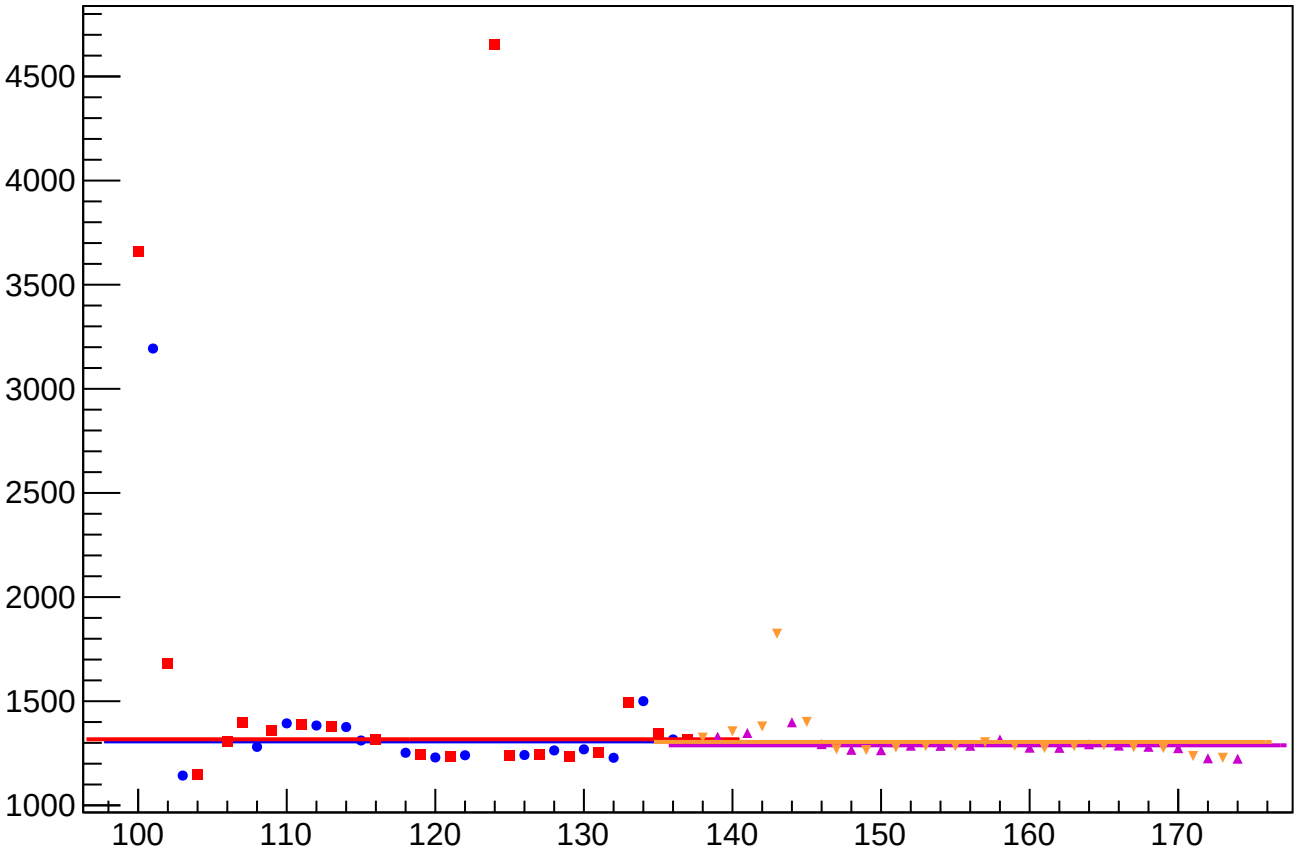
Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3738.917+/-0.612 χ^2/NDF:6649282.7/33

Out: 3373.418+/-0.561 χ^2/NDF:7740957.2/37

All: 3540.104+/-0.414 χ^2/NDF: 14584037.7/7


eigen_cor_asym_atl_avg_atr_avg_avg_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: 2567.180+/-495.364 χ²/NDF: 9.0/15
Left Out: 1295.181+/-337.362 χ²/NDF:24.1/18
Right Out: 1877.774+/-494.719 χ²/NDF: 19.5/18
Left In: 2641.889+/-334.098 χ²/NDF:20.9/17
Left: 1975.082+/-237.389 χ²/NDF: 53.0/36
Right: 2222.028+/-350.047 χ²/NDF: 29.6/34
In: 2618.531+/-276.988 χ²/NDF:30.0/33
Out: 1480.106+/-278.724 χ²/NDF:44.6/37
All: 2052.876+/-196.471 χ²/NDF: 82.9/71



Right In: 1307.068+/-0.350 χ^2/NDF: 516250.6/15

Left Out: 1304.426+/-0.239 χ^2/NDF:164113.5/18

Right Out: 1317.128+/-0.349 χ^2/NDF: 325926.8/18

Left In: 1288.212+/-0.236 χ^2/NDF:27701.4/17

Left: 1296.240+/-0.168 χ^2/NDF: 194147.4/36

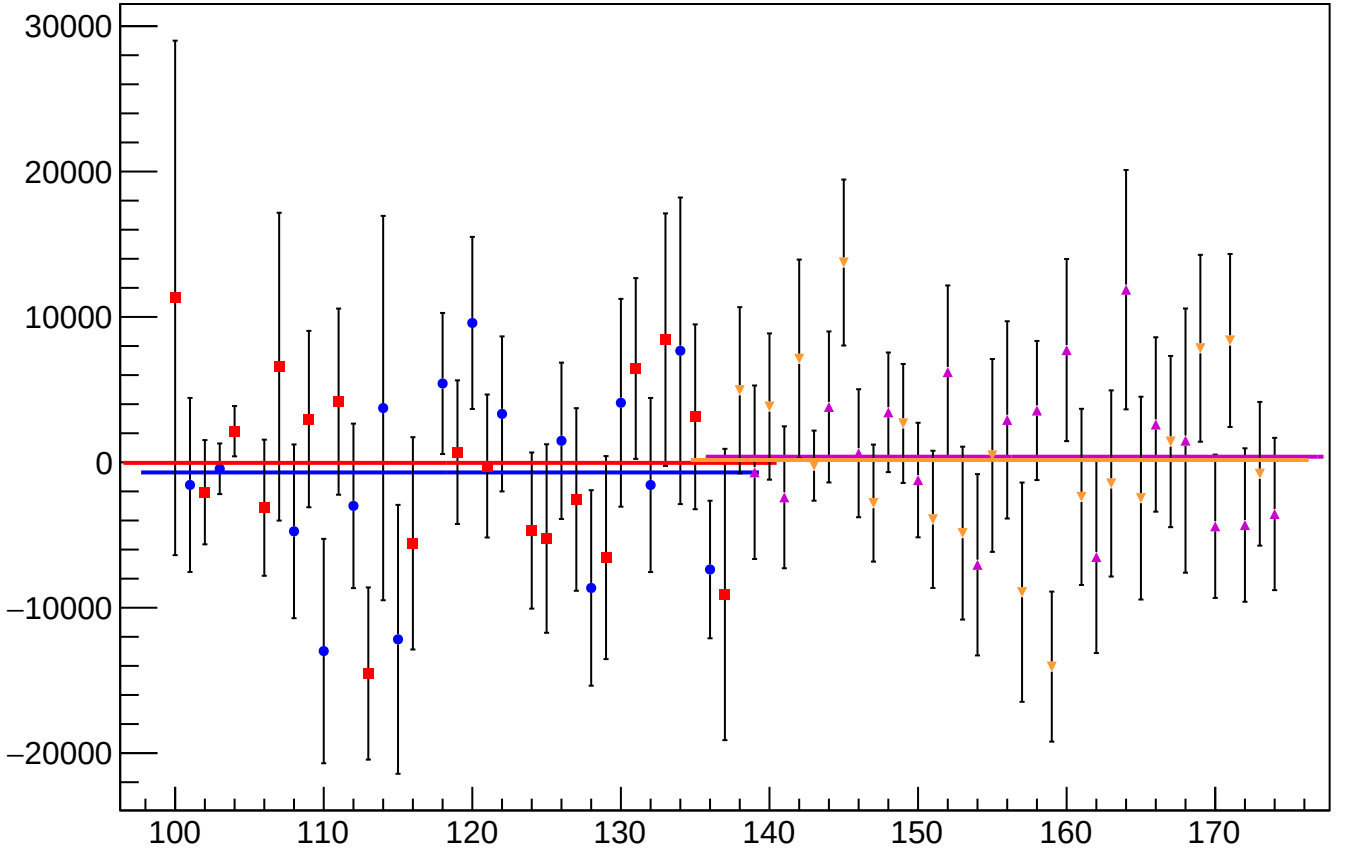
Right: 1312.114+/-0.247 χ^2/NDF: 842591.1/34

In: 1294.107+/-0.196 χ^2/NDF:545943.8/33

Out: 1308.469+/-0.197 χ^2/NDF:490942.5/37

All: 1301.247+/-0.139 χ^2/NDF: 1039559.4/71

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: 160.306+/-1146.064 χ^2/NDF:23.2/18

Right Out: -36.115+/-1098.207 χ^2/NDF: 15.9/18

Left In: 386.746+/-1271.793 χ^2/NDF:11.3/17

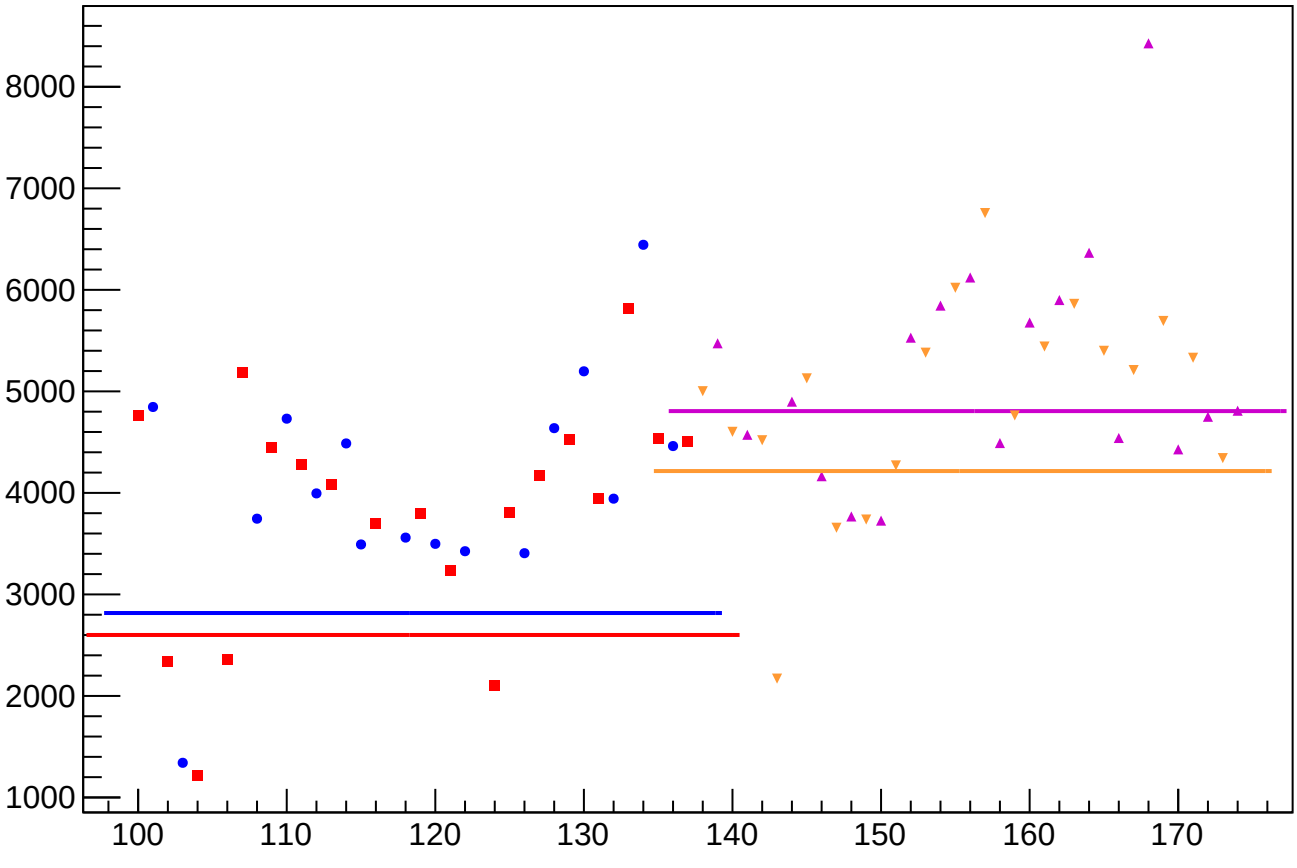
Left: 261.783+/-851.380 χ^2/NDF: 34.5/36

Right: -341.373+/-804.680 χ^2/NDF: 30.8/34

In: -193.596+/-865.976 χ^2/NDF:26.4/33

Out: 57.909+/-792.929 χ^2/NDF:39.1/37

All: -56.790+/-584.807 χ^2/NDF: 65.6/71



Right In: 2816.784+/-0.836 χ^2/NDF: 3007570.0/15

Left Out: 4215.141+/-0.810 χ^2/NDF:2590753.7/18

Right Out: 2600.524+/-0.777 χ^2/NDF: 3080771.9/18

Left In: 4805.693+/-0.899 χ^2/NDF:1018183.6/17

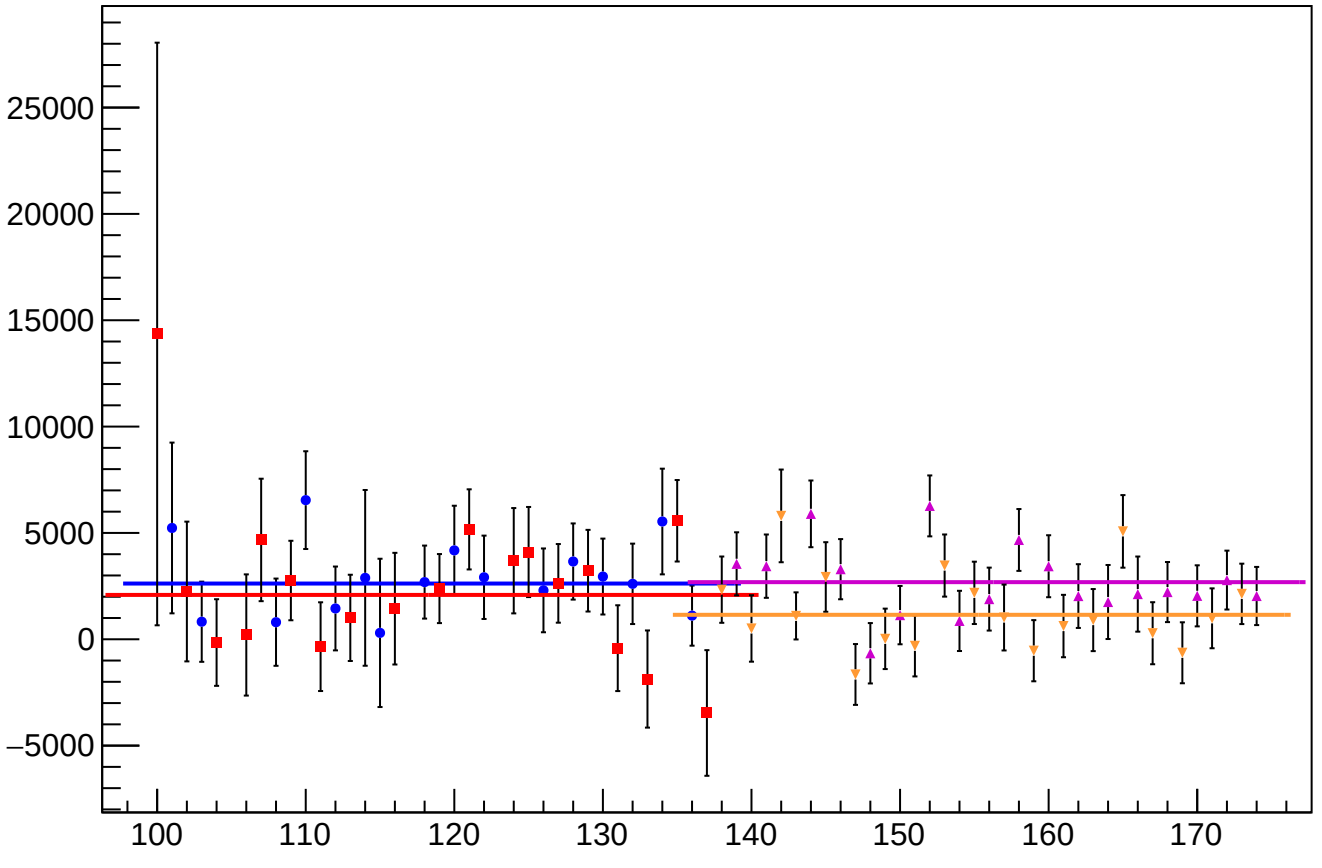
Left: 4479.792+/-0.602 χ^2/NDF: 3846918.3/36

Right: 2700.678+/-0.569 χ^2/NDF: 6124259.3/34

In: 3738.917+/-0.612 χ^2/NDF:6649282.7/33

Out: 3373.418+/-0.561 χ^2/NDF:7740957.2/37

All: 3540.104+/-0.414 χ^2/NDF: 14584037.7/7



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1150.257+/-337.875 χ^2/NDF:24.2/18

Right Out: 2085.606+/-504.873 χ^2/NDF: 20.9/18

Left In: 2685.941+/-345.718 χ^2/NDF:23.3/17

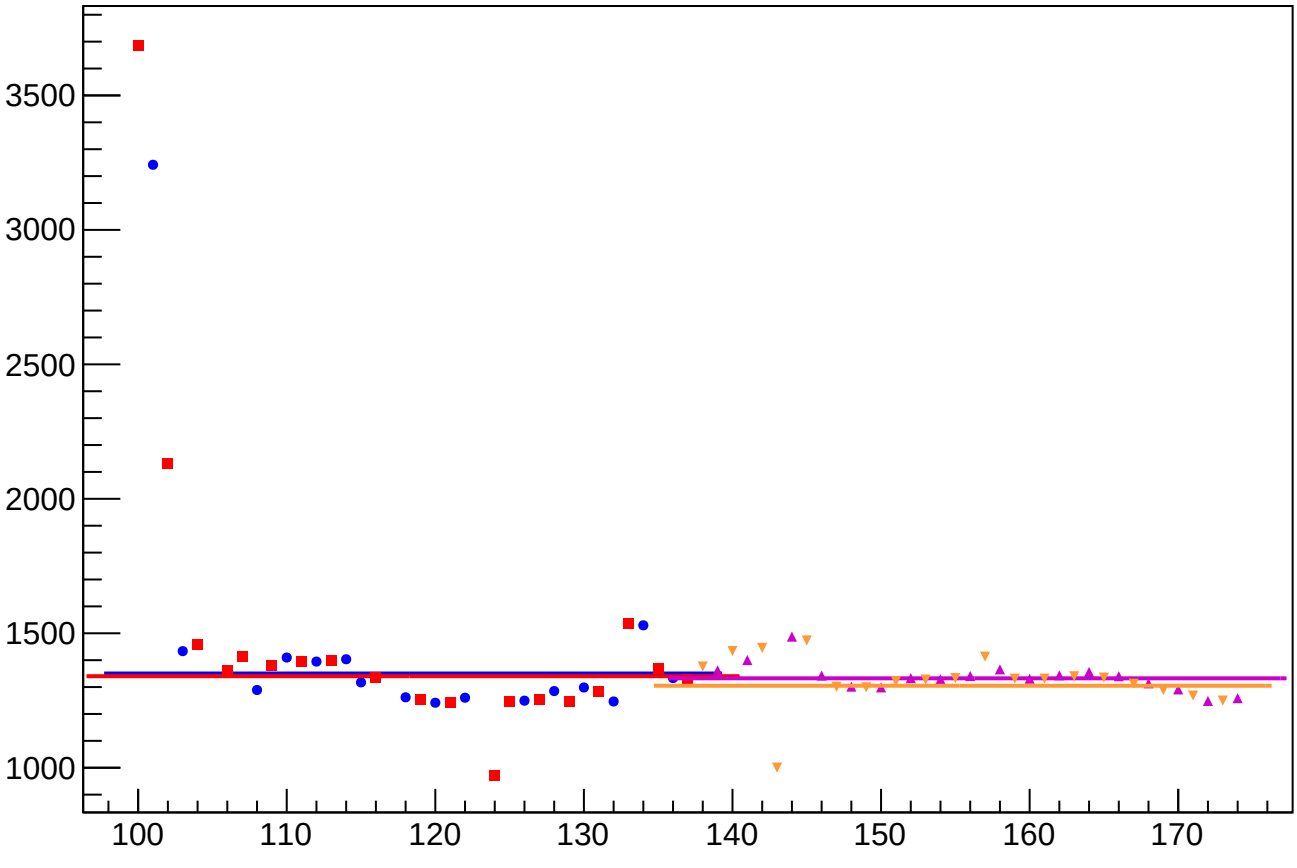
Left: 1900.483+/-241.639 χ^2/NDF: 57.6/36

Right: 2349.577+/-359.323 χ^2/NDF: 30.8/34

In: 2665.432+/-286.431 χ^2/NDF:32.6/33

Out: 1439.587+/-280.797 χ^2/NDF:47.5/37

All: 2040.334+/-200.516 χ^2/NDF: 89.5/71



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.1/15

Left Out: 1304.960+/-0.239 χ^2/NDF:217906.5/18

Right Out: 1340.429+/-0.357 χ^2/NDF: 272183.5/18

Left In: 1332.494+/-0.244 χ^2/NDF:43635.4/17

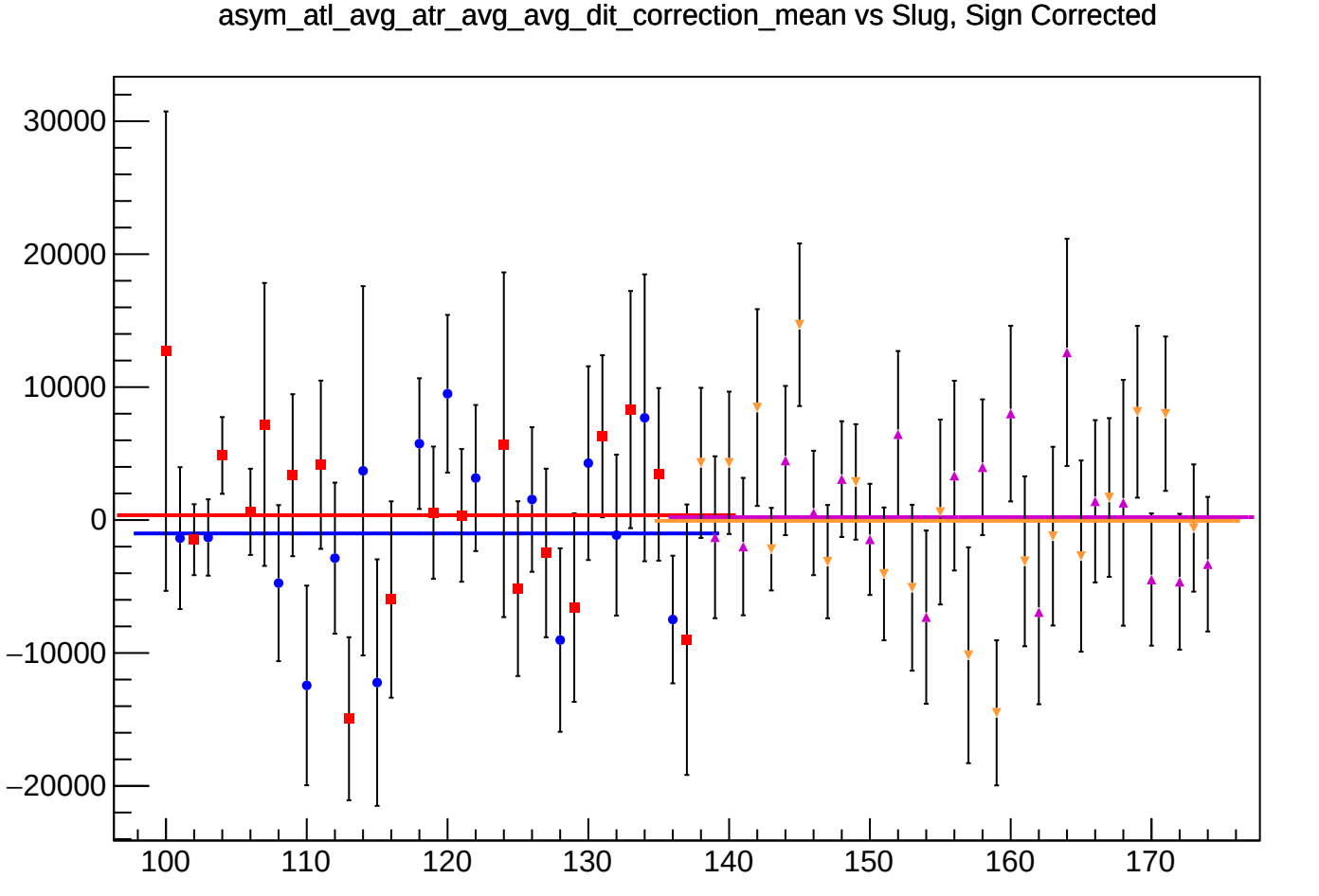
Left: 1318.411+/-0.171 χ^2/NDF: 268030.5/36

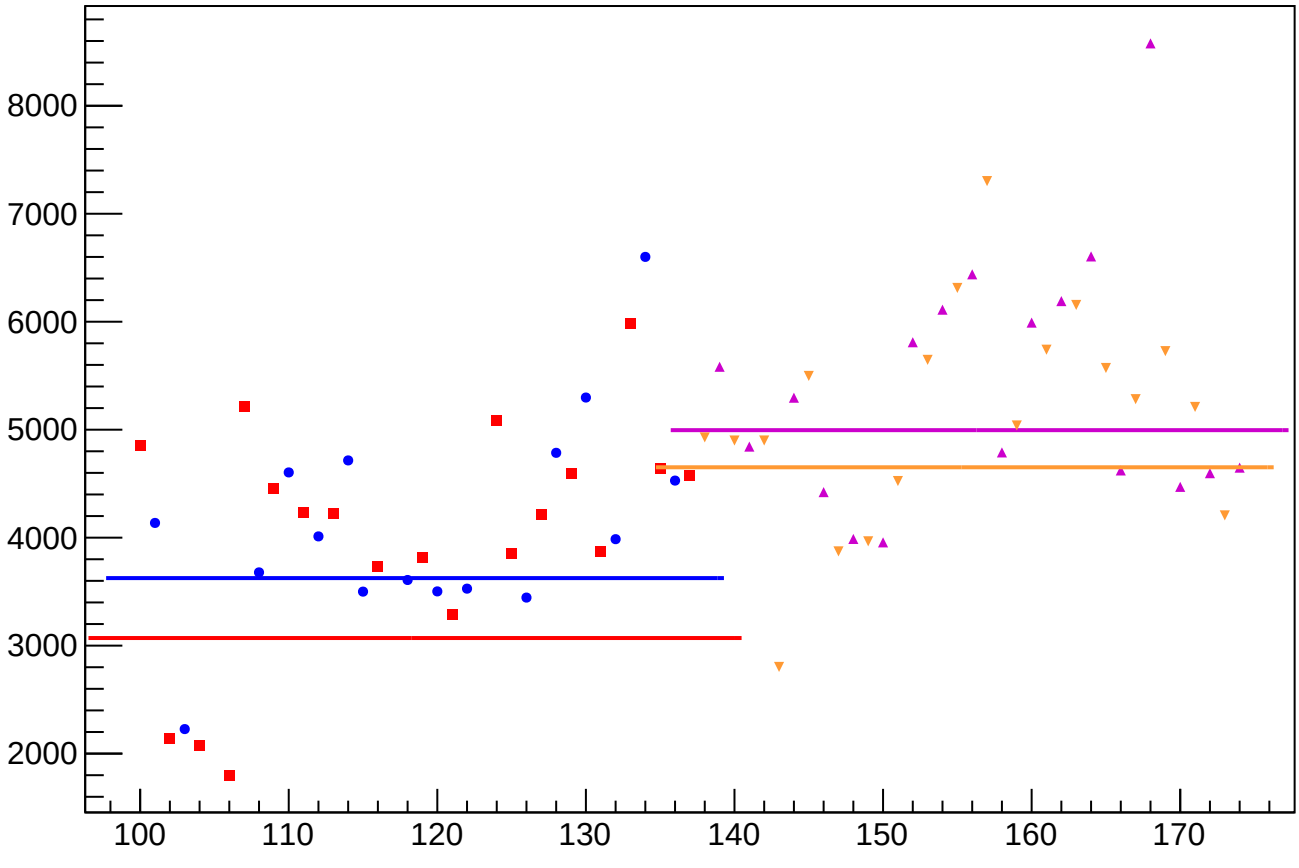
Right: 1345.331+/-0.254 χ^2/NDF: 766617.4/34

In: 1338.099+/-0.203 χ^2/NDF:539363.1/33

Out: 1315.941+/-0.199 χ^2/NDF:496913.6/37

All: 1326.797+/-0.142 χ^2/NDF: 1042381.2/71


asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -1006.752+/-1404.458 χ²/NDF: 14.6/15
Left Out: -57.516+/-1241.010 χ²/NDF:23.7/18
Right Out: 364.493+/-1202.498 χ²/NDF: 16.2/18
Left In: 216.224+/-1321.542 χ²/NDF:11.4/17
Left: 70.760+/-904.657 χ²/NDF: 35.1/36
Right: -215.533+/-913.430 χ²/NDF: 31.4/34
In: -358.099+/-962.450 χ²/NDF:26.4/33
Out: 160.138+/-863.589 χ²/NDF:40.0/37
All: -71.005+/-642.768 χ²/NDF: 66.5/71



Right In: 3625.512+/-0.993 χ^2/NDF: 944905.4/15

Left Out: 4651.804+/-0.878 χ^2/NDF:1568416.2/18

Right Out: 3070.442+/-0.850 χ^2/NDF: 1838659.1/18

Left In: 4995.674+/-0.934 χ^2/NDF:991722.3/17

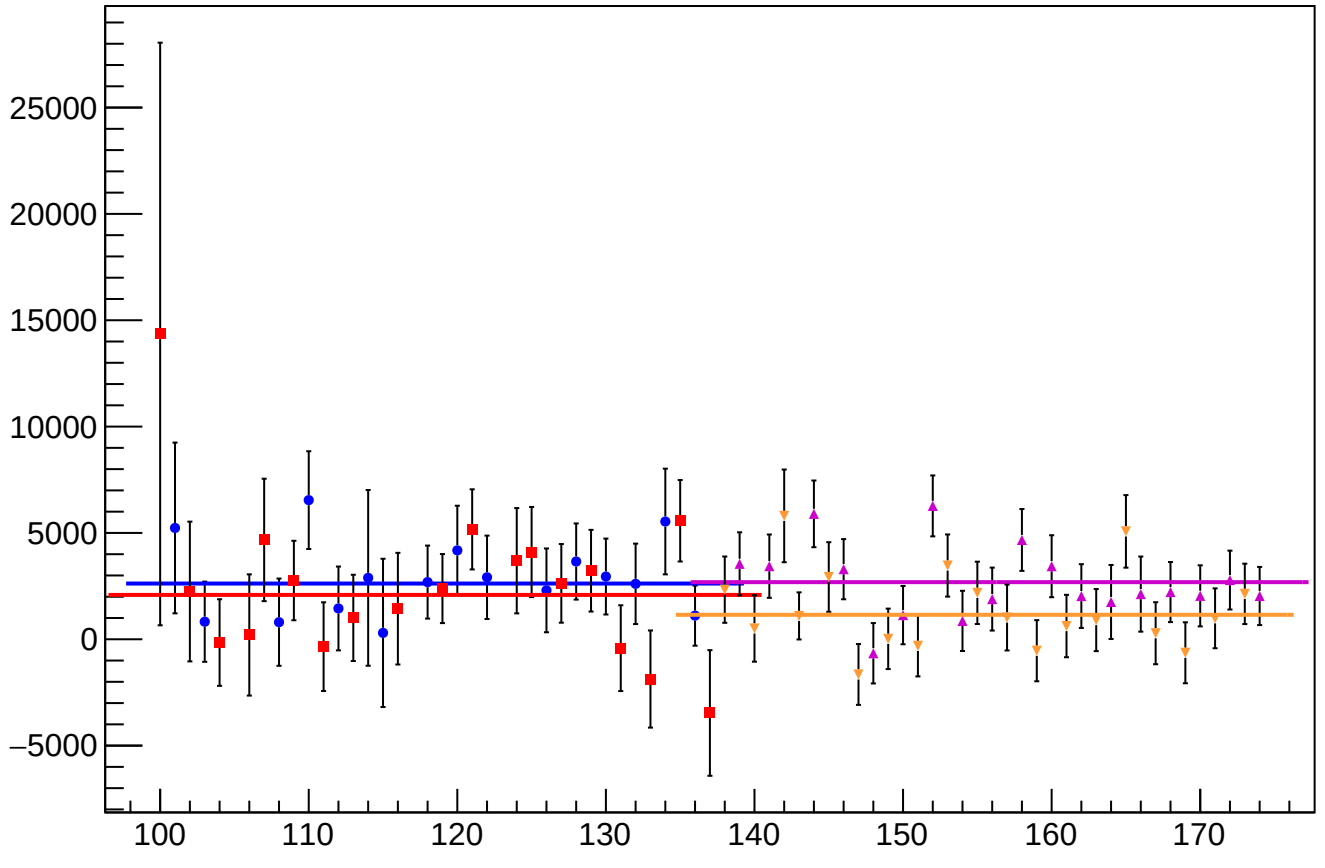
Left: 4812.943+/-0.640 χ^2/NDF: 2632095.7/36

Right: 3305.233+/-0.646 χ^2/NDF: 2963820.1/34

In: 4352.230+/-0.681 χ^2/NDF:2946230.5/33

Out: 3836.206+/-0.611 χ^2/NDF:5081969.2/37

All: 4066.363+/-0.455 χ^2/NDF: 8346699.6/71



Right In: 2620.535+/-511.510 χ^2/NDF: 9.3/15

Left Out: 1150.253+/-337.876 χ^2/NDF:24.2/18

Right Out: 2085.608+/-504.873 χ^2/NDF: 20.9/18

Left In: 2685.942+/-345.718 χ^2/NDF:23.3/17

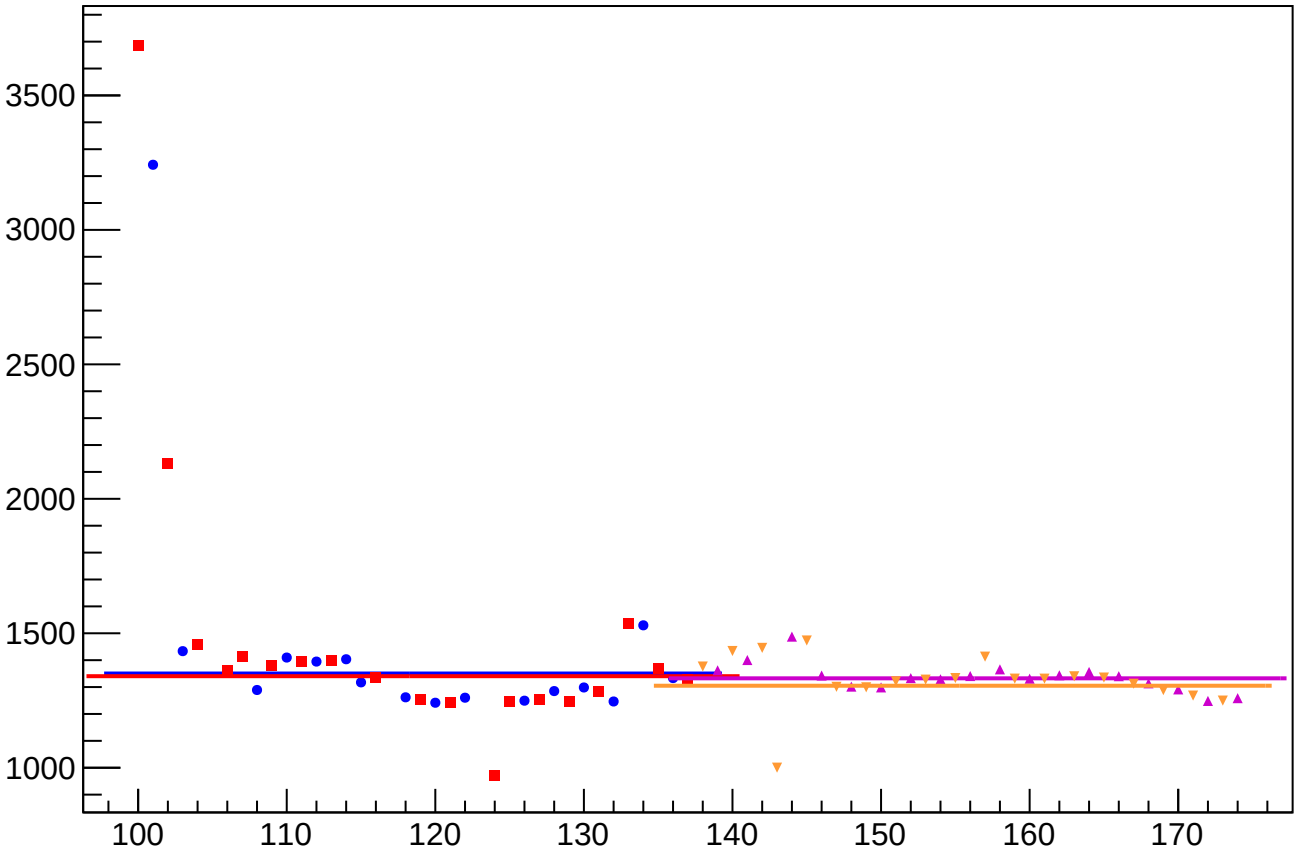
Left: 1900.481+/-241.639 χ^2/NDF: 57.6/36

Right: 2349.579+/-359.323 χ^2/NDF: 30.8/34

In: 2665.432+/-286.431 χ^2/NDF:32.6/33

Out: 1439.585+/-280.797 χ^2/NDF:47.5/37

All: 2040.333+/-200.516 χ^2/NDF: 89.5/71



Right In: 1350.369+/-0.362 χ^2/NDF: 494051.2/15

Left Out: 1304.960+/-0.239 χ^2/NDF:217907.7/18

Right Out: 1340.428+/-0.357 χ^2/NDF: 272182.5/18

Left In: 1332.495+/-0.244 χ^2/NDF:43636.8/17

Left: 1318.412+/-0.171 χ^2/NDF: 268033.1/36

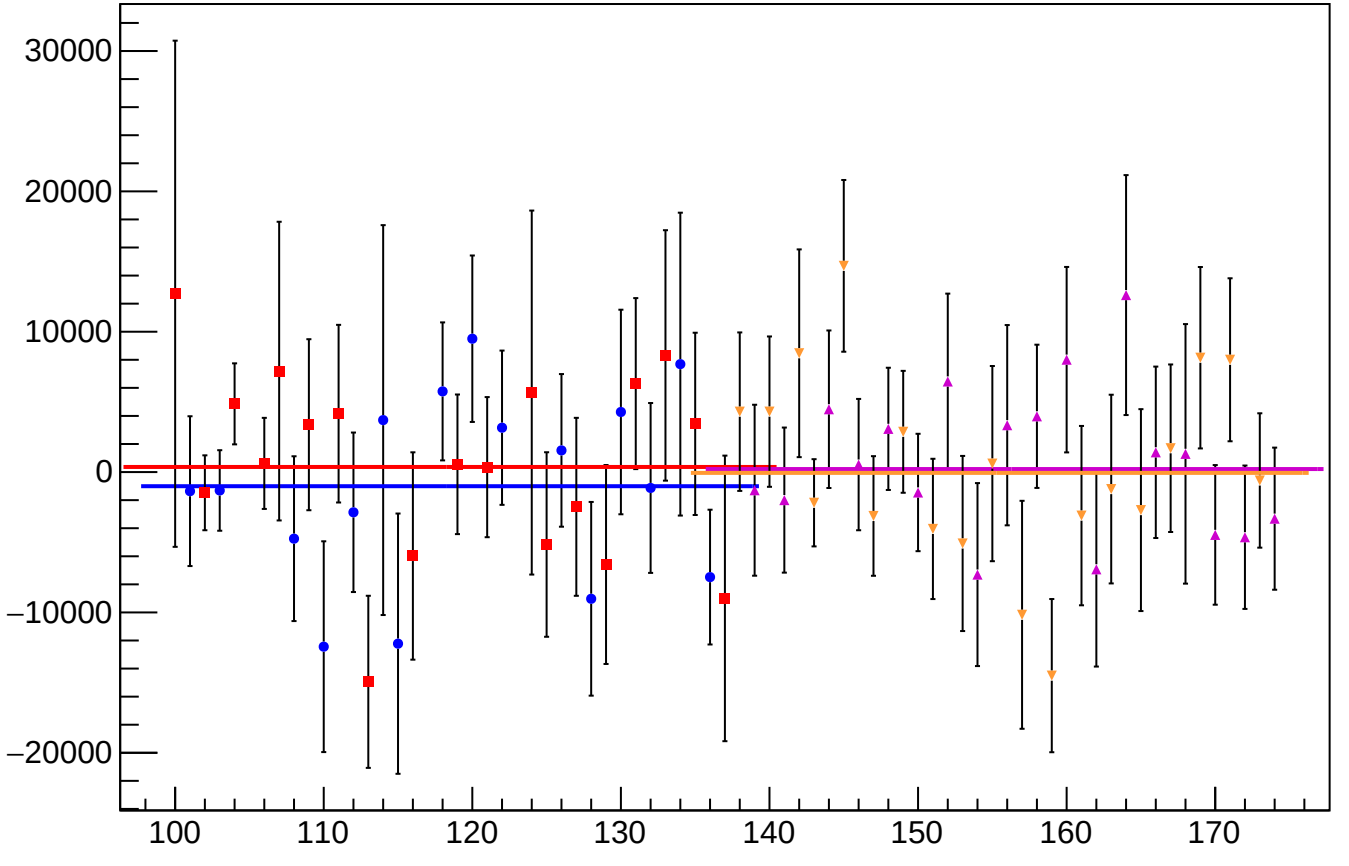
Right: 1345.330+/-0.254 χ^2/NDF: 766616.6/34

In: 1338.099+/-0.203 χ^2/NDF:539364.3/33

Out: 1315.941+/-0.199 χ^2/NDF:496913.3/37

All: 1326.798+/-0.142 χ^2/NDF: 1042382.2/71

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1006.742+/-1404.455 χ^2/NDF: 14.6/15

Left Out: -57.519+/-1241.012 χ^2/NDF:23.7/18

Right Out: 364.495+/-1202.495 χ^2/NDF: 16.2/18

Left In: 216.223+/-1321.544 χ^2/NDF:11.4/17

Left: 70.757+/-904.659 χ^2/NDF: 35.1/36

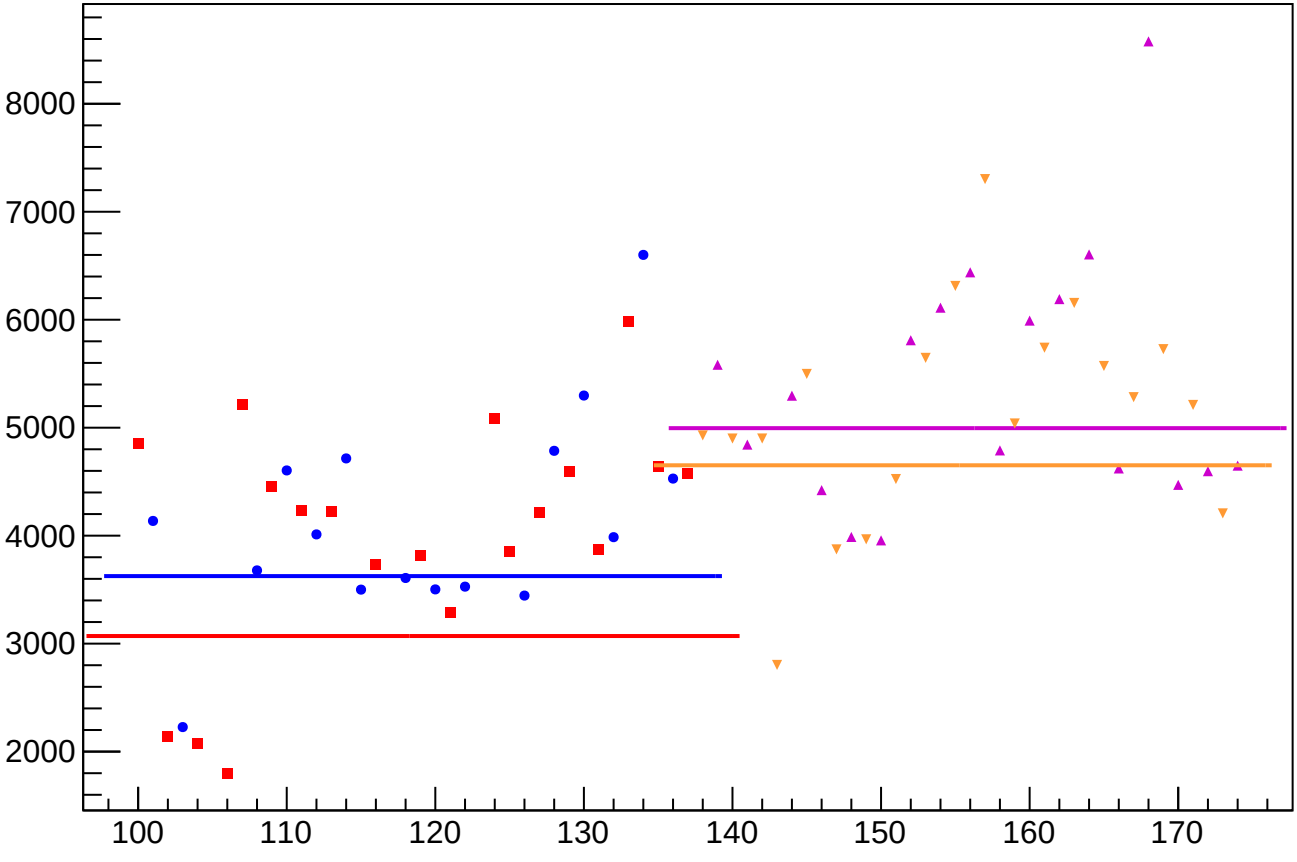
Right: -215.528+/-913.428 χ^2/NDF: 31.4/34

In: -358.098+/-962.449 χ^2/NDF:26.4/33

Out: 160.138+/-863.588 χ^2/NDF:40.0/37

All: -71.005+/-642.768 χ^2/NDF: 66.5/71

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: 4651.812+/-0.878 χ^2/NDF:1568416.3/18

Right Out: 3070.434+/-0.850 χ^2/NDF: 1838662.0/18

Left In: 4995.681+/-0.934 χ^2/NDF:991723.9/17

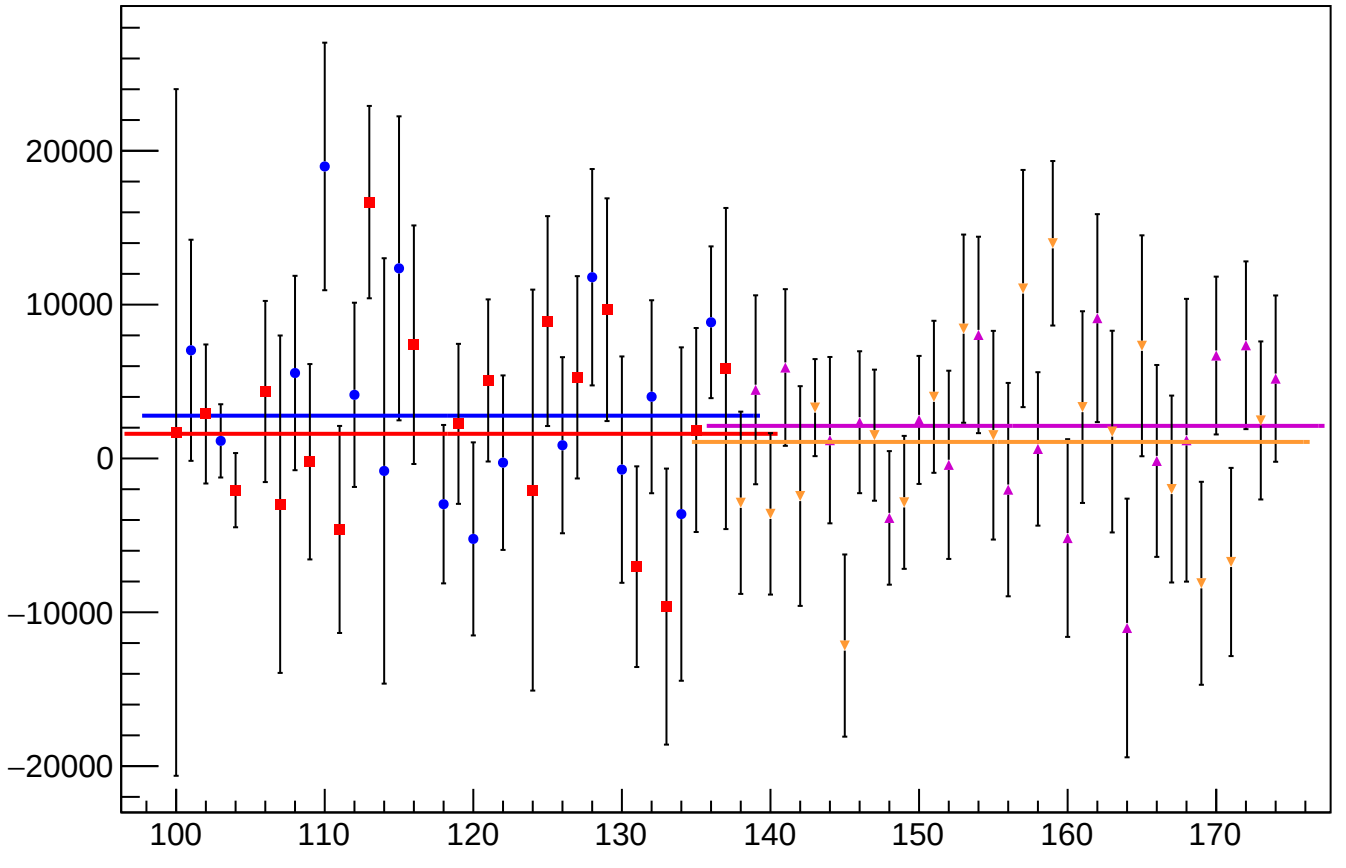
Left: 4812.951+/-0.640 χ^2/NDF: 2632097.1/36

Right: 3305.224+/-0.646 χ^2/NDF: 2963825.9/34

In: 4352.227+/-0.681 χ^2/NDF:2946259.5/33

Out: 3836.202+/-0.611 χ^2/NDF:5082007.7/37

All: 4066.359+/-0.455 χ^2/NDF: 8346768.8/71



Right In: 2780.878+/-1389.439 χ^2/NDF: 13.2/15

Left Out: 1074.855+/-1243.845 χ^2/NDF:21.9/18

Right Out: 1602.626+/-1337.018 χ^2/NDF: 16.8/18

Left In: 2118.765+/-1321.105 χ^2/NDF:11.1/17

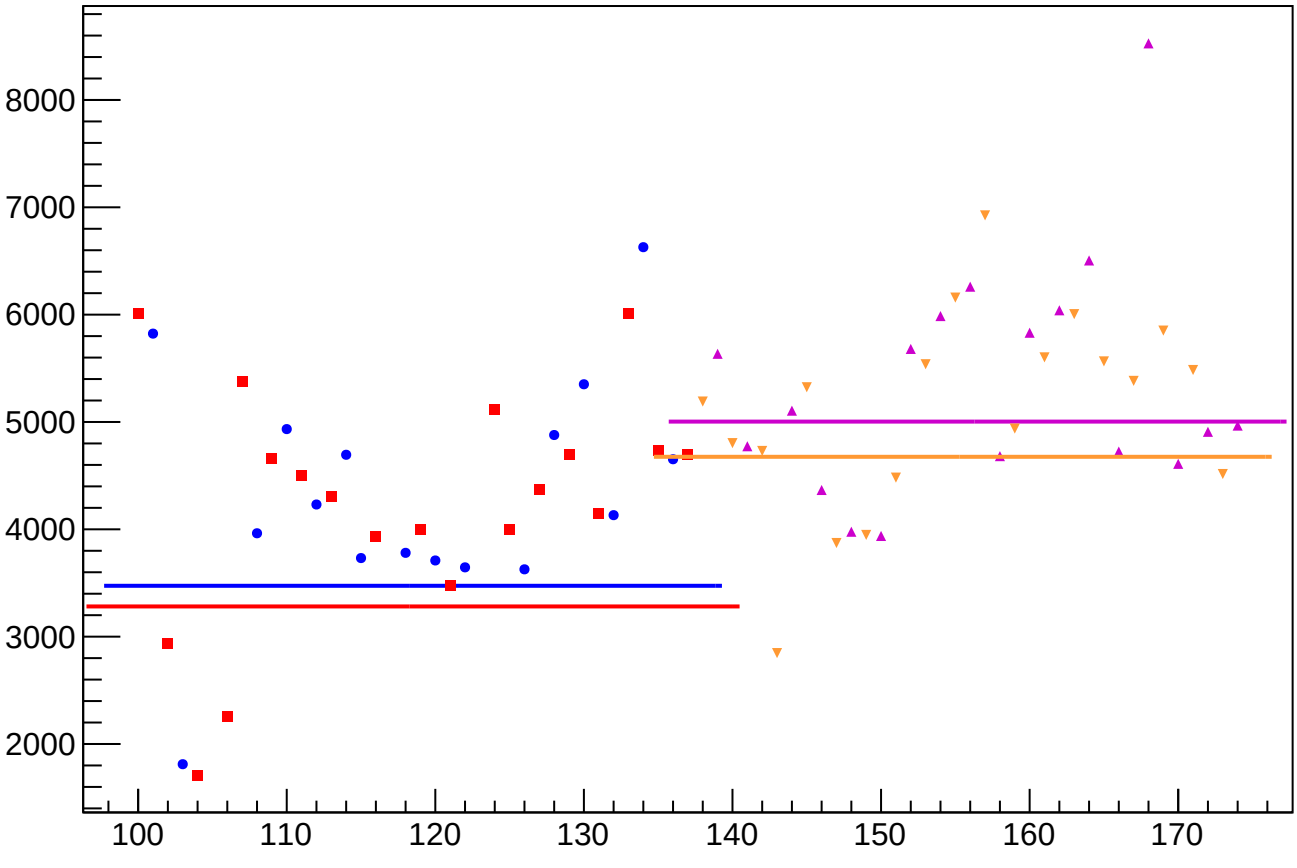
Left: 1565.395+/-905.613 χ^2/NDF: 33.4/36

Right: 2169.106+/-963.414 χ^2/NDF: 30.3/34

In: 2433.140+/-957.409 χ^2/NDF:24.4/33

Out: 1319.712+/-910.690 χ^2/NDF:38.8/37

All: 1848.598+/-659.853 χ^2/NDF: 63.9/71



Right In: 3473.898+/-0.982 χ^2/NDF: 1843964.2/15

Left Out: 4675.608+/-0.880 χ^2/NDF:1438263.8/18

Right Out: 3281.478+/-0.932 χ^2/NDF: 1875493.9/18

Left In: 5003.589+/-0.934 χ^2/NDF:907278.8/17

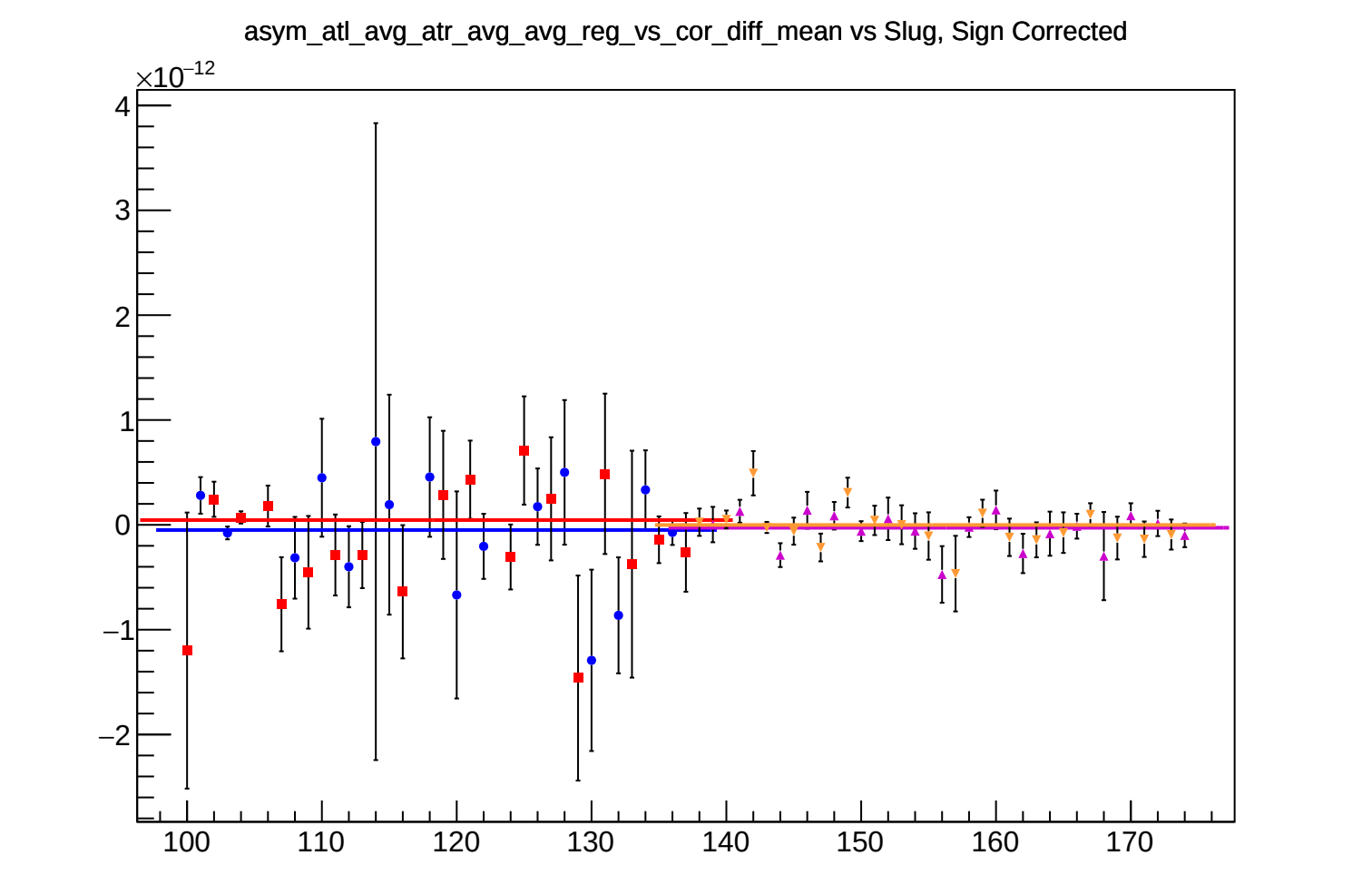
Left: 4829.728+/-0.640 χ^2/NDF: 2410886.5/36

Right: 3372.669+/-0.676 χ^2/NDF: 3739637.8/34

In: 4277.277+/-0.677 χ^2/NDF:4024400.9/33

Out: 4019.257+/-0.640 χ^2/NDF:4496628.2/37

All: 4140.991+/-0.465 χ^2/NDF: 8597755.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.6/17

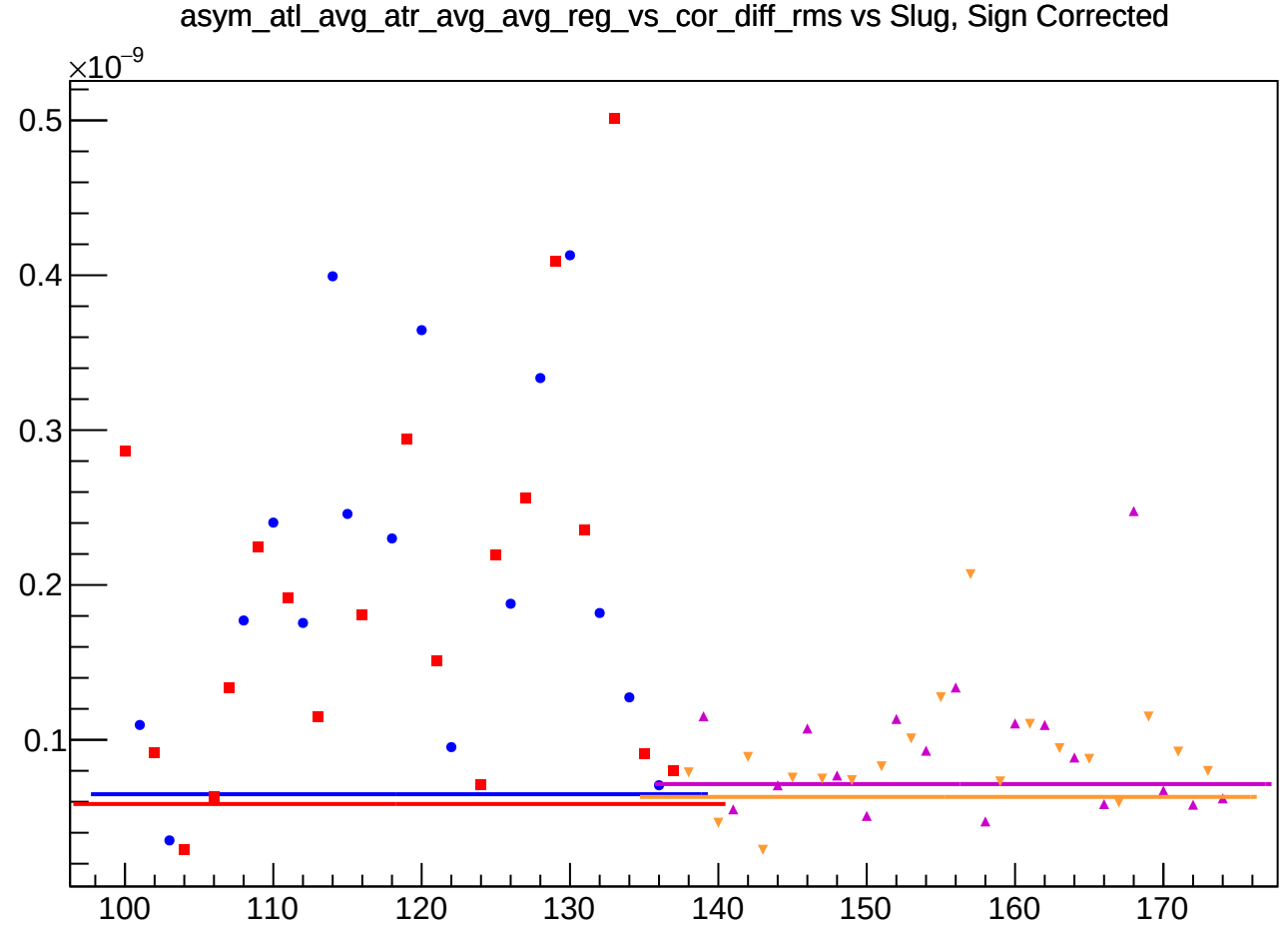
Left: -0.000+/-0.000 χ^2/NDF: 36.9/36

Right: -0.000+/-0.000 χ^2/NDF: 34.2/34

In: -0.000+/-0.000 χ^2/NDF:30.5/33

Out: 0.000+/-0.000 χ^2/NDF:39.2/37

All: -0.000+/-0.000 χ^2/NDF: 71.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 2592912.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2093503.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2855105.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1316931.2/17

Left: 0.000+/-0.000 χ^2/NDF: 3483759.5/36

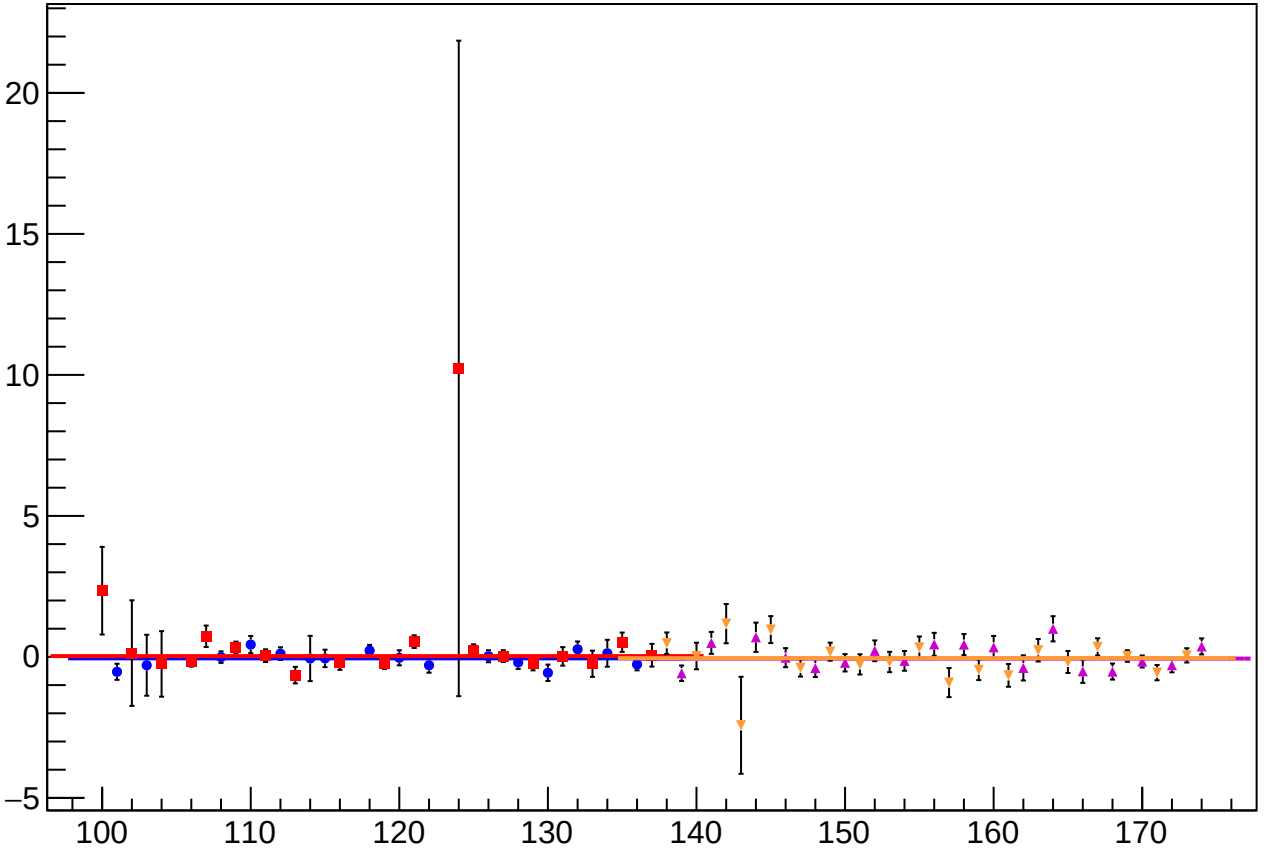
Right: 0.000+/-0.000 χ^2/NDF: 5465312.1/34

In: 0.000+/-0.000 χ^2/NDF:3935148.7/33

Out: 0.000+/-0.000 χ^2/NDF:4962157.5/37

All: 0.000+/-0.000 χ^2/NDF: 8982096.4/71

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.052+/-0.056 χ^2/NDF: 54.6/36

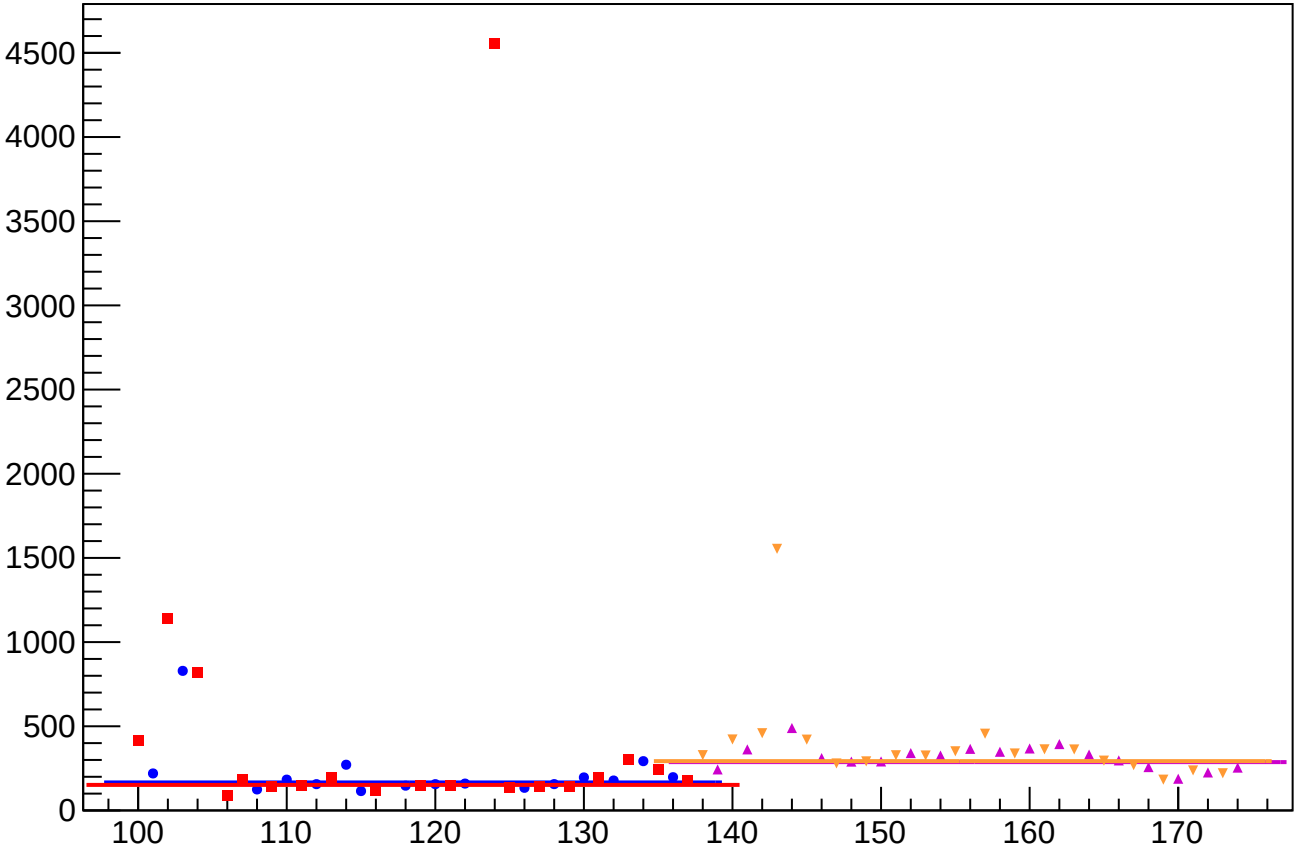
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.027+/-0.036 χ^2/NDF: 98.1/71

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 292.948+/-0.057 χ^2/NDF:2766247.0/18

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

Left: 289.951+/-0.040 χ^2/NDF: 4221161.9/36

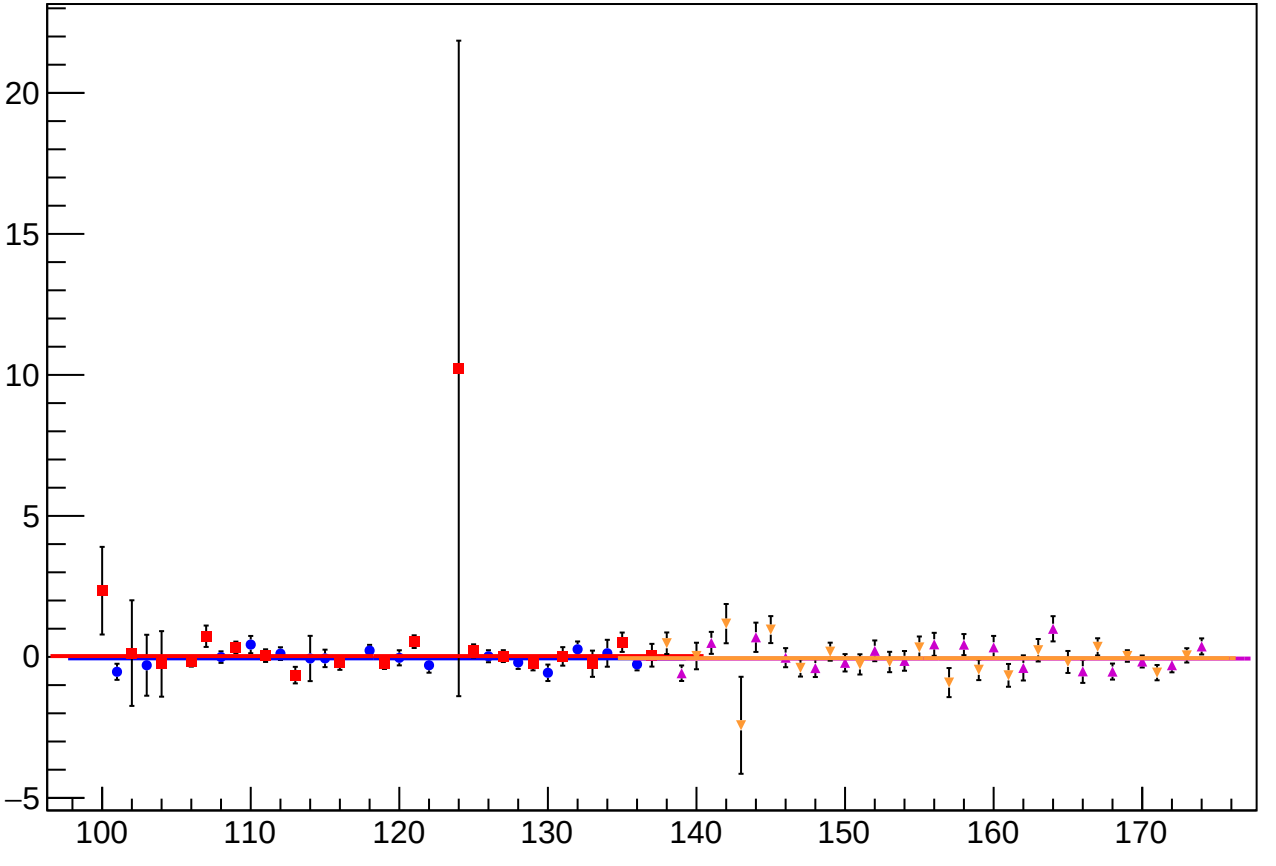
Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

In: 217.683+/-0.036 χ^2/NDF:5517147.8/33

Out: 206.497+/-0.035 χ^2/NDF:8849807.8/37

All: 212.034+/-0.025 χ^2/NDF: 14416300.5/71

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.052+/-0.056 χ^2/NDF: 54.6/36

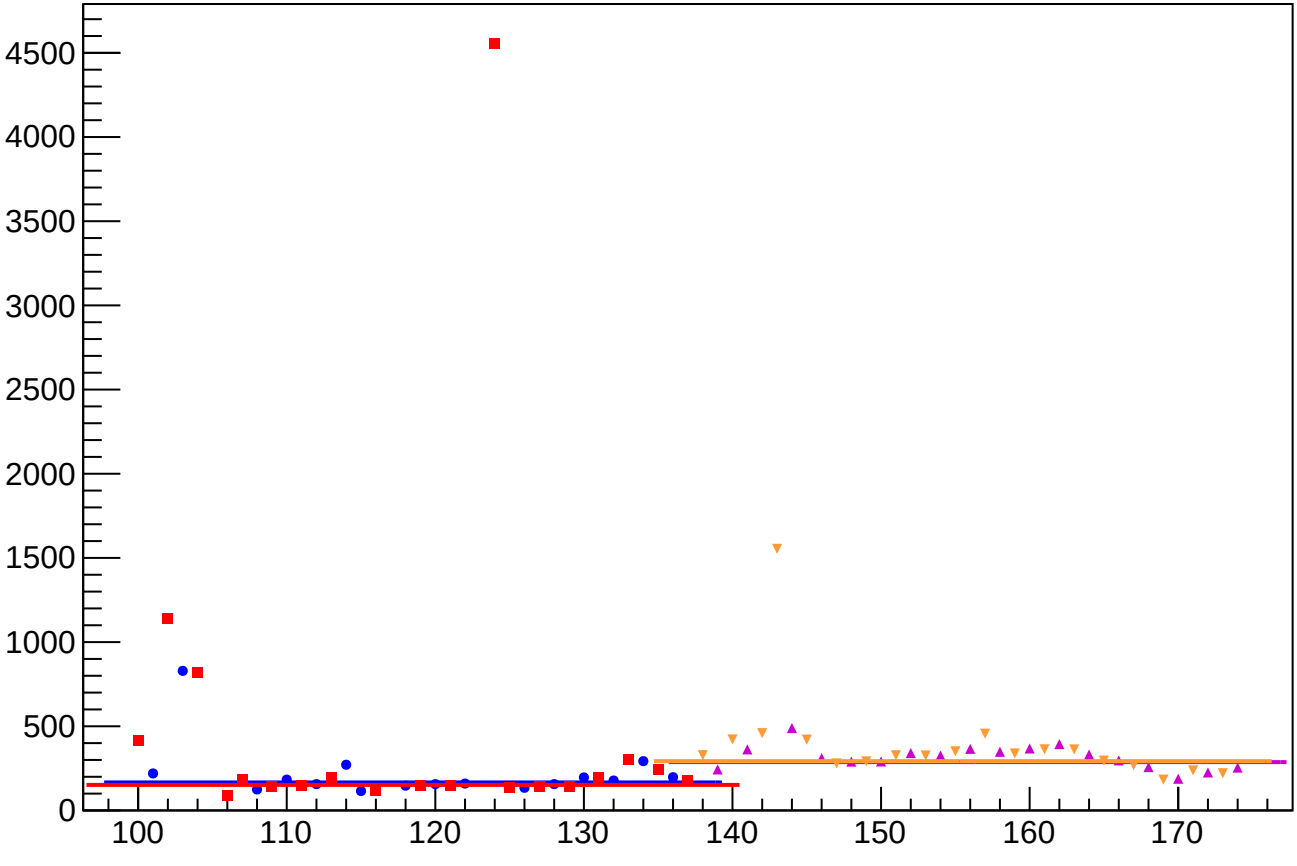
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.027+/-0.036 χ^2/NDF: 98.1/71

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.360+/-0.047 χ^2/NDF: 1282728.5/15

Left Out: 292.948+/-0.057 χ^2/NDF:2766247.0/18

Right Out: 151.791+/-0.045 χ^2/NDF: 2315638.8/18

Left In: 287.162+/-0.055 χ^2/NDF:1449562.2/17

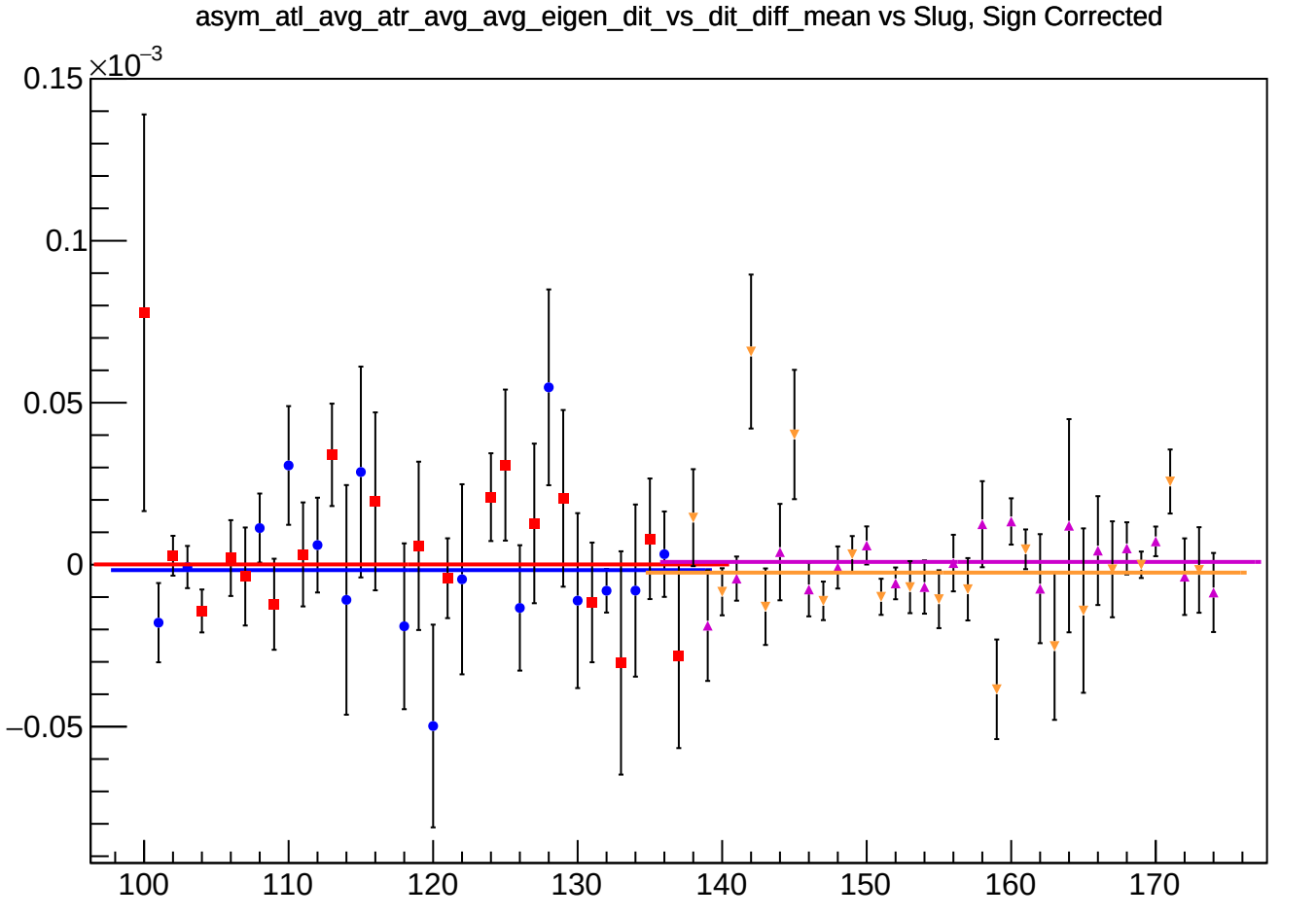
Left: 289.951+/-0.040 χ^2/NDF: 4221161.9/36

Right: 158.774+/-0.033 χ^2/NDF: 3648009.6/34

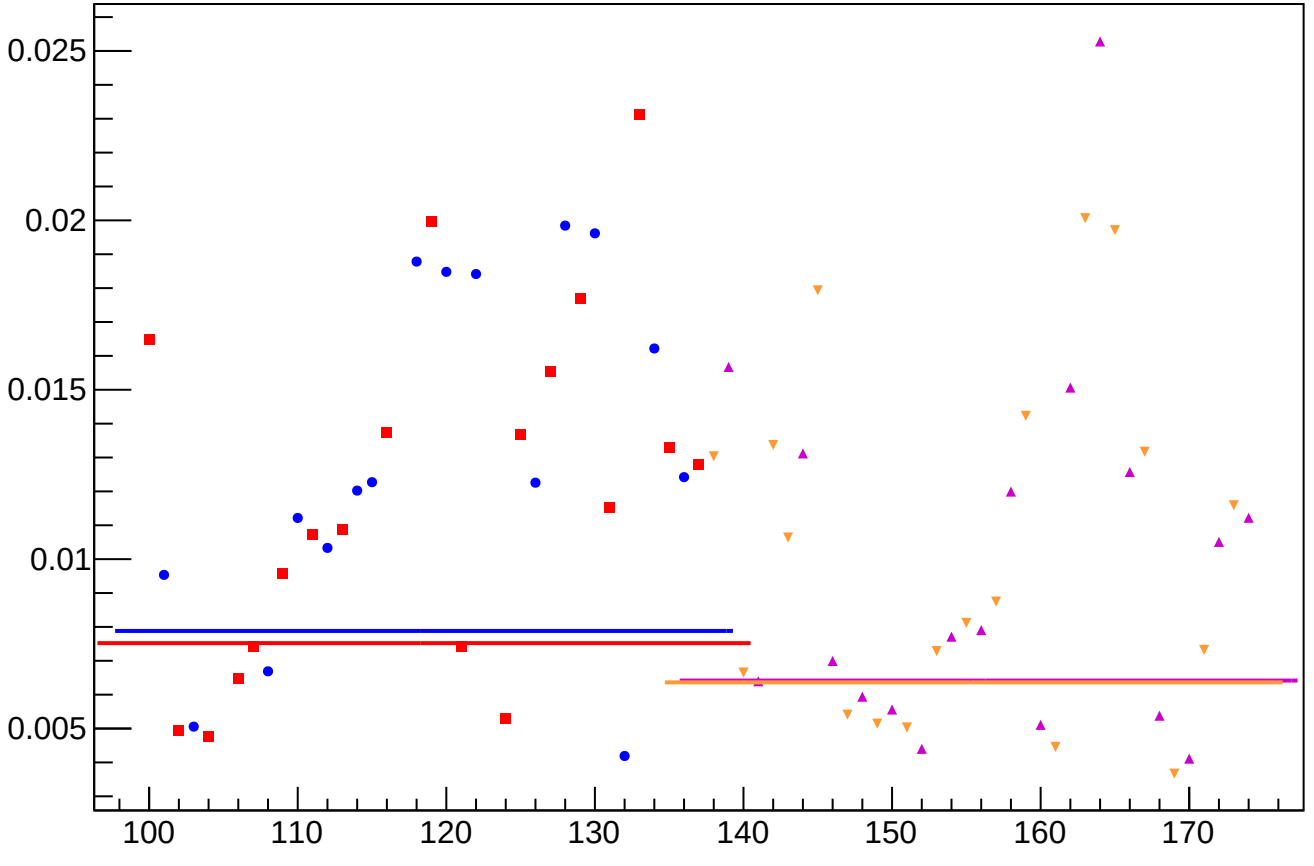
In: 217.683+/-0.036 χ^2/NDF:5517147.8/33

Out: 206.497+/-0.035 χ^2/NDF:8849807.8/37

All: 212.034+/-0.025 χ^2/NDF: 14416300.5/71


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.15
0.1
0.05
0
−0.05
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 15.5/15
Left Out: -0.000+/-0.000 χ²/NDF:38.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 19.9/18
Left In: 0.000+/-0.000 χ²/NDF:13.7/17
Left: -0.000+/-0.000 χ²/NDF: 53.7/36
Right: -0.000+/-0.000 χ²/NDF: 35.5/34
In: 0.000+/-0.000 χ²/NDF:29.6/33
Out: -0.000+/-0.000 χ²/NDF:58.8/37
All: -0.000+/-0.000 χ²/NDF: 89.2/71

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3301734.3/15

Left Out: 0.006+/-0.000 χ^2/NDF:5614402.4/18

Right Out: 0.008+/-0.000 χ^2/NDF: 2975331.6/18

Left In: 0.006+/-0.000 χ^2/NDF:4466135.6/17

Left: 0.006+/-0.000 χ^2/NDF: 10081331.2/36

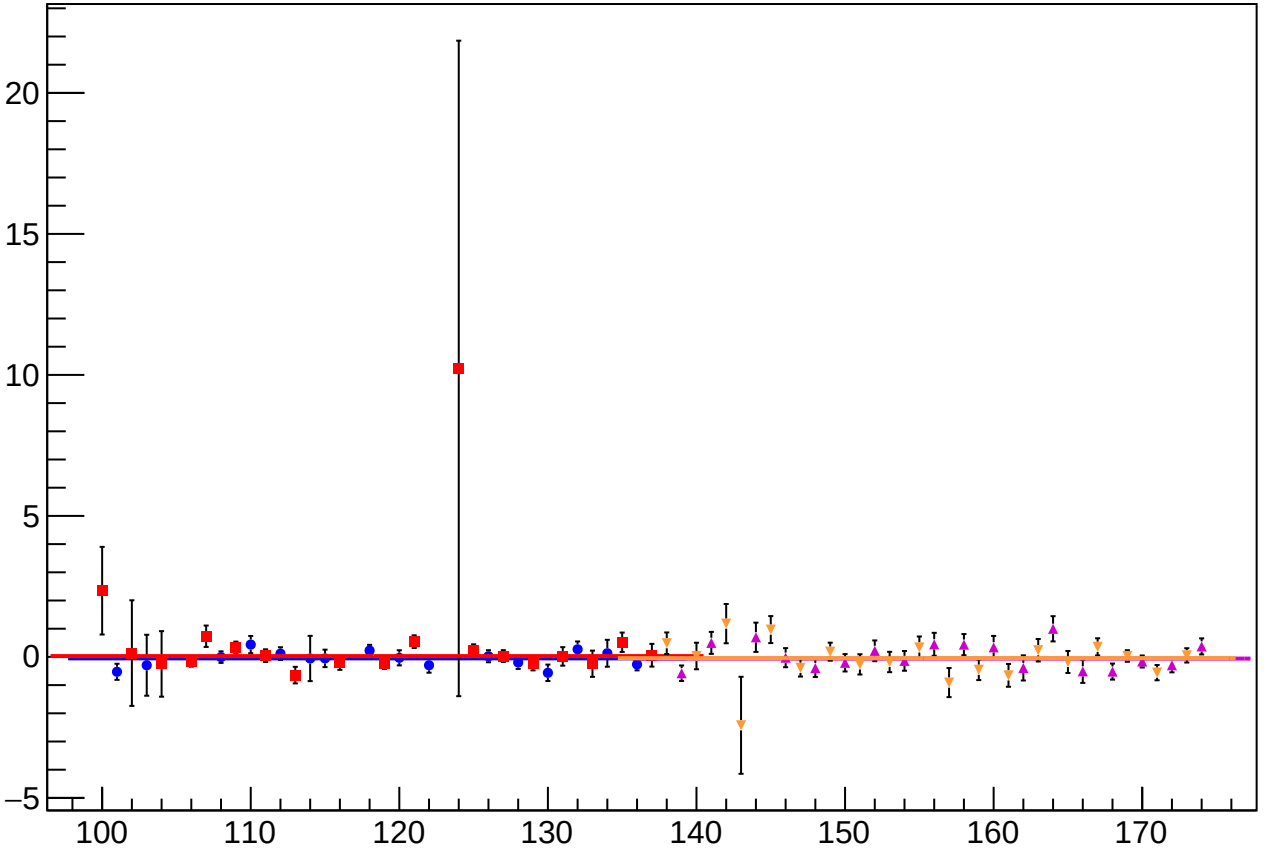
Right: 0.008+/-0.000 χ^2/NDF: 6289175.2/34

In: 0.007+/-0.000 χ^2/NDF:8050428.1/33

Out: 0.007+/-0.000 χ^2/NDF:8789823.4/37

All: 0.007+/-0.000 χ^2/NDF: 16843568.5/71

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.052+/-0.056 χ^2/NDF: 54.6/36

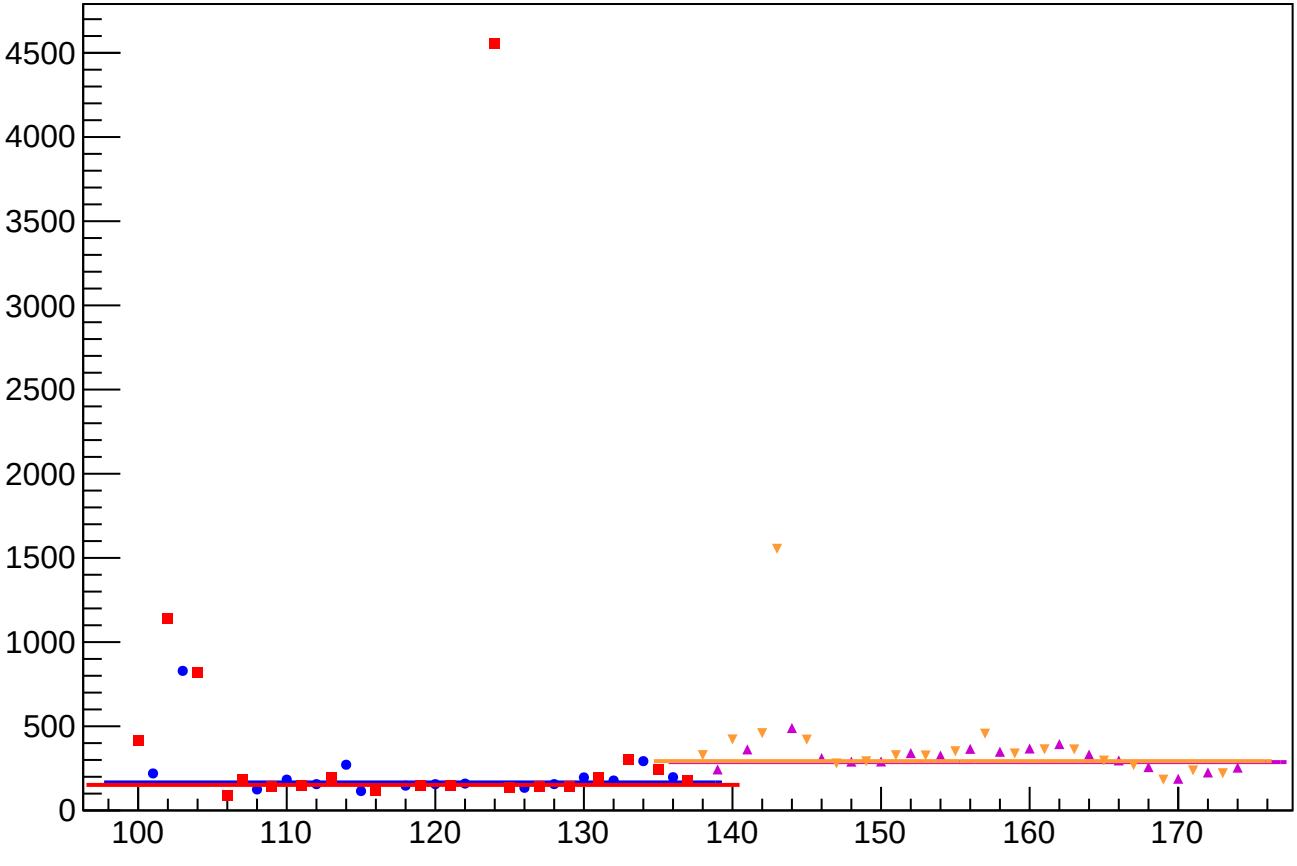
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.027+/-0.036 χ^2/NDF: 98.1/71

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 292.947+/-0.057 χ^2/NDF:2766409.6/18

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 287.163+/-0.055 χ^2/NDF:1449666.8/17

Left: 289.951+/-0.040 χ^2/NDF: 4221427.0/36

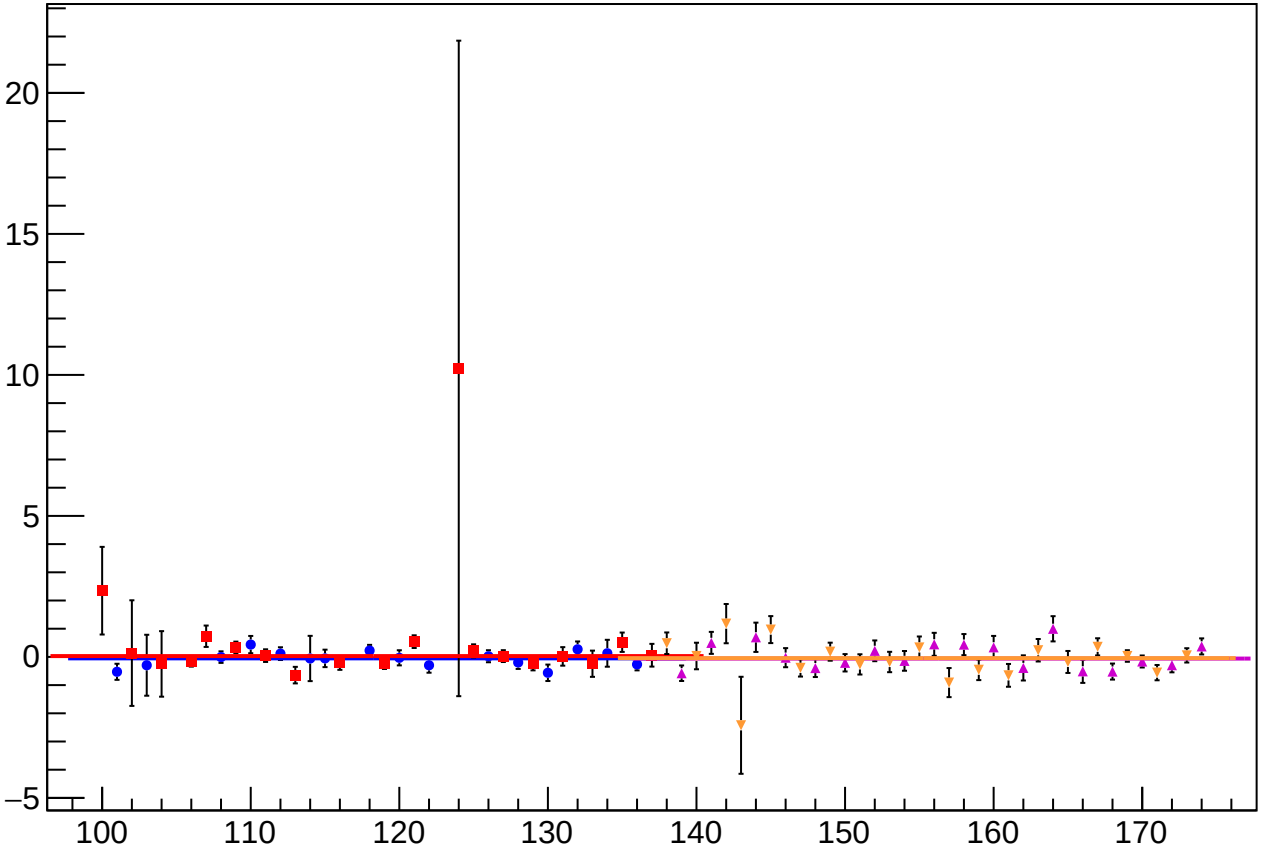
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 217.682+/-0.036 χ^2/NDF:5517322.5/33

Out: 206.496+/-0.035 χ^2/NDF:8850051.3/37

All: 212.033+/-0.025 χ^2/NDF: 14416727.4/71

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.051+/-0.067 χ^2/NDF: 14.9/15

Left Out: -0.044+/-0.080 χ^2/NDF:27.3/18

Right Out: 0.029+/-0.064 χ^2/NDF: 27.5/18

Left In: -0.059+/-0.078 χ^2/NDF:27.3/17

Left: -0.052+/-0.056 χ^2/NDF: 54.6/36

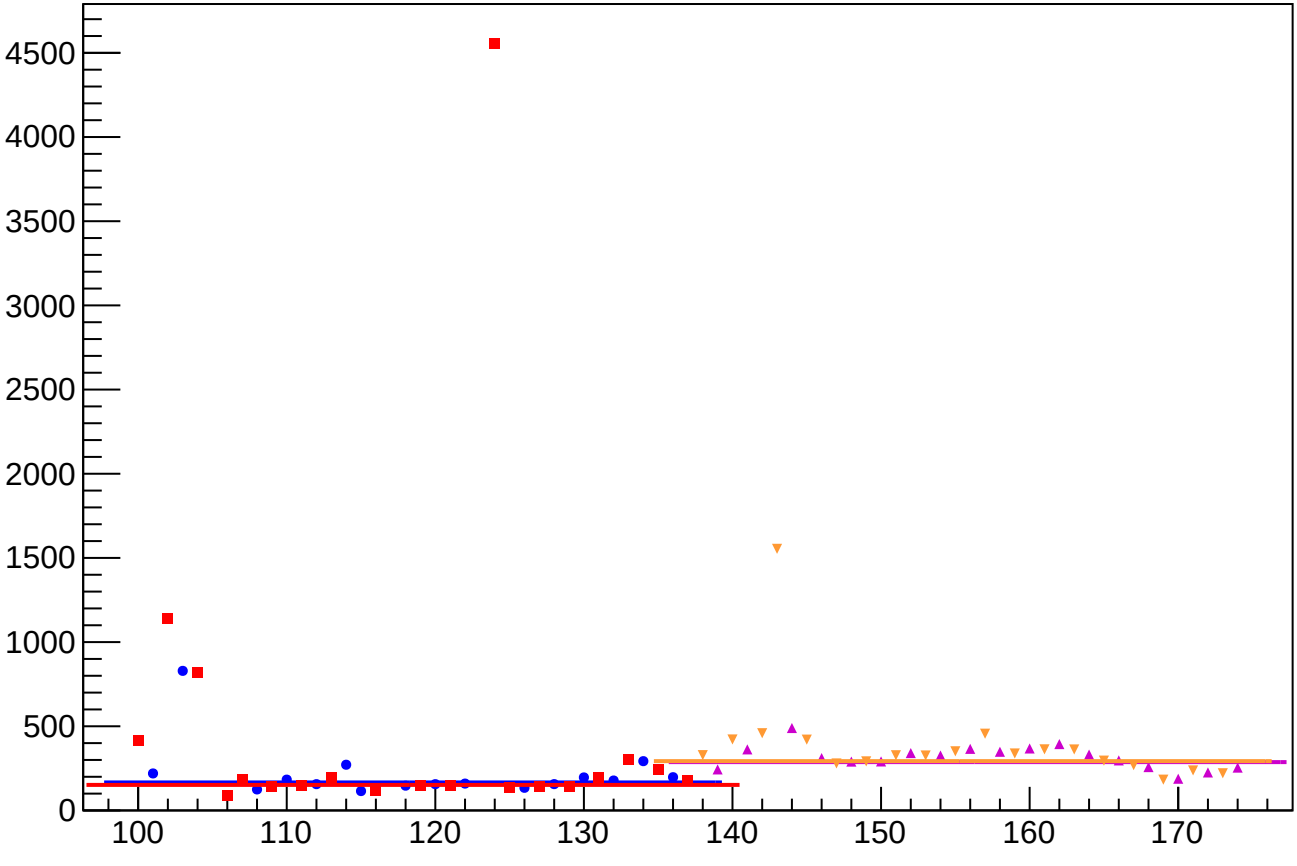
Right: -0.009+/-0.046 χ^2/NDF: 43.2/34

In: -0.055+/-0.051 χ^2/NDF:42.2/33

Out: 0.001+/-0.050 χ^2/NDF:55.3/37

All: -0.027+/-0.036 χ^2/NDF: 98.1/71

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 166.359+/-0.047 χ^2/NDF: 1282724.2/15

Left Out: 292.947+/-0.057 χ^2/NDF:2766409.6/18

Right Out: 151.790+/-0.045 χ^2/NDF: 2315641.8/18

Left In: 287.163+/-0.055 χ^2/NDF:1449666.8/17

Left: 289.951+/-0.040 χ^2/NDF: 4221427.0/36

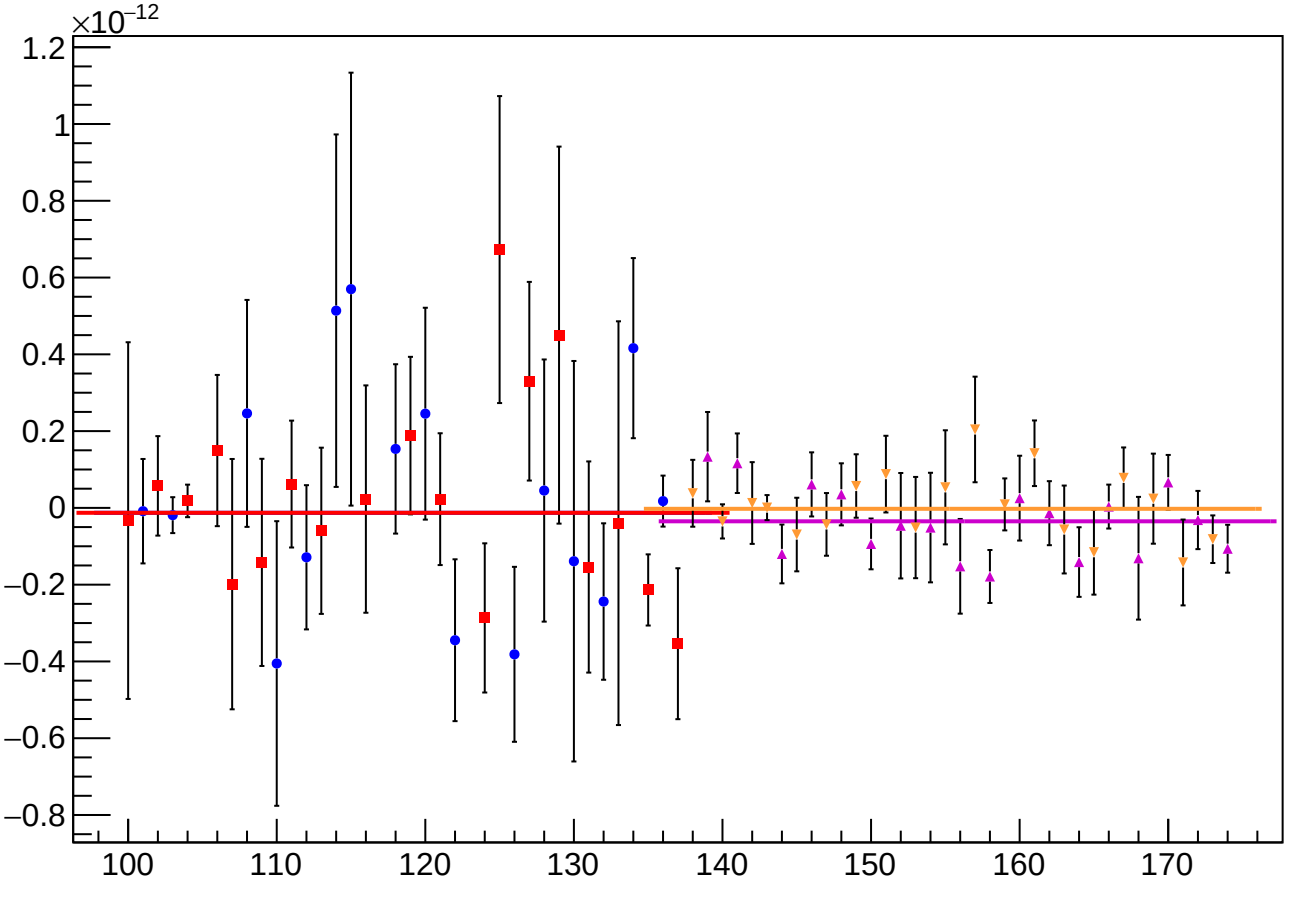
Right: 158.773+/-0.033 χ^2/NDF: 3648012.6/34

In: 217.682+/-0.036 χ^2/NDF:5517322.5/33

Out: 206.496+/-0.035 χ^2/NDF:8850051.3/37

All: 212.033+/-0.025 χ^2/NDF: 14416727.4/71

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:13.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: -0.000+/-0.000 χ^2/NDF:21.1/17

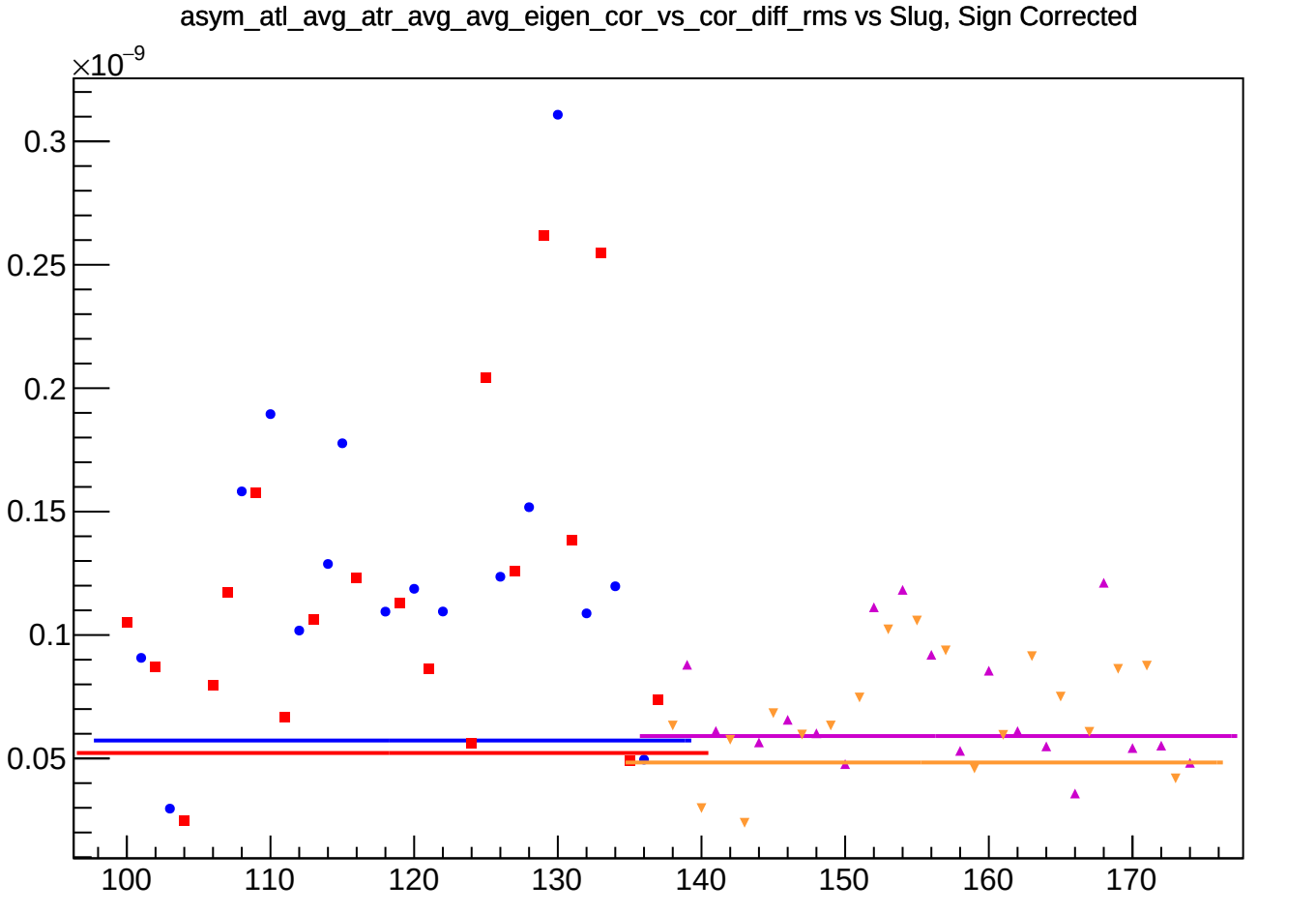
Left: -0.000+/-0.000 χ^2/NDF: 36.6/36

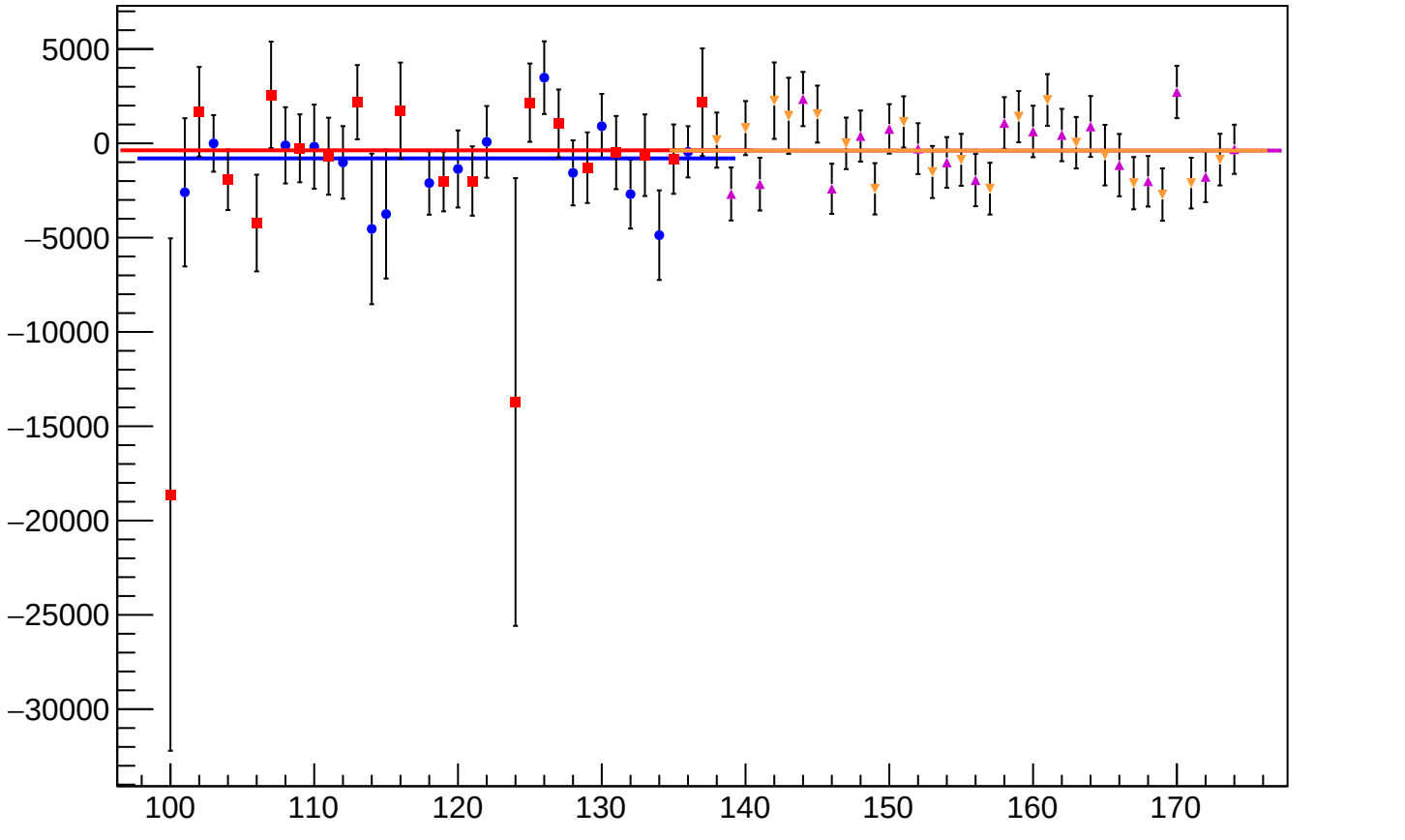
Right: -0.000+/-0.000 χ^2/NDF: 35.0/34

In: -0.000+/-0.000 χ^2/NDF:37.6/33

Out: -0.000+/-0.000 χ^2/NDF:32.8/37

All: -0.000+/-0.000 χ^2/NDF: 71.6/71


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:3684250.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 3287828.4/18
Left In: 0.000+/-0.000 χ²/NDF:1817489.5/17
Left: 0.000+/-0.000 χ²/NDF: 5842610.6/36
Right: 0.000+/-0.000 χ²/NDF: 6295515.7/34
In: 0.000+/-0.000 χ²/NDF:4805092.2/33
Out: 0.000+/-0.000 χ²/NDF:6995135.6/37
All: 0.000+/-0.000 χ²/NDF: 12145596.6/71



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -382.913+/-329.647 χ^2/NDF:23.3/18

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -382.635+/-326.503 χ^2/NDF:23.3/17

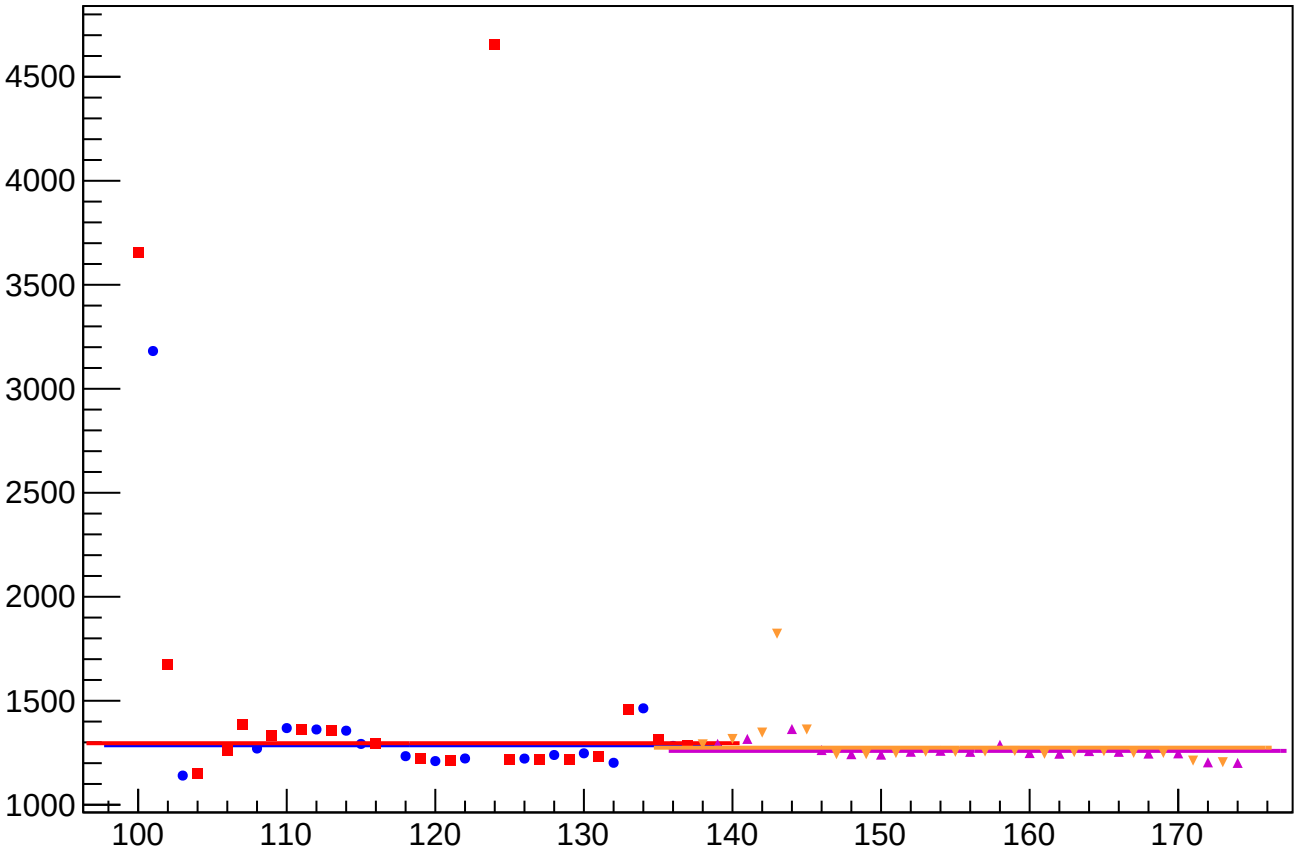
Left: -382.772+/-231.976 χ^2/NDF: 46.6/36

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -511.053+/-271.272 χ^2/NDF:37.2/33

Out: -378.845+/-272.780 χ^2/NDF:39.0/37

All: -445.315+/-192.349 χ^2/NDF: 76.3/71



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1266.661+/-0.164 χ^2/NDF: 202574.0/36

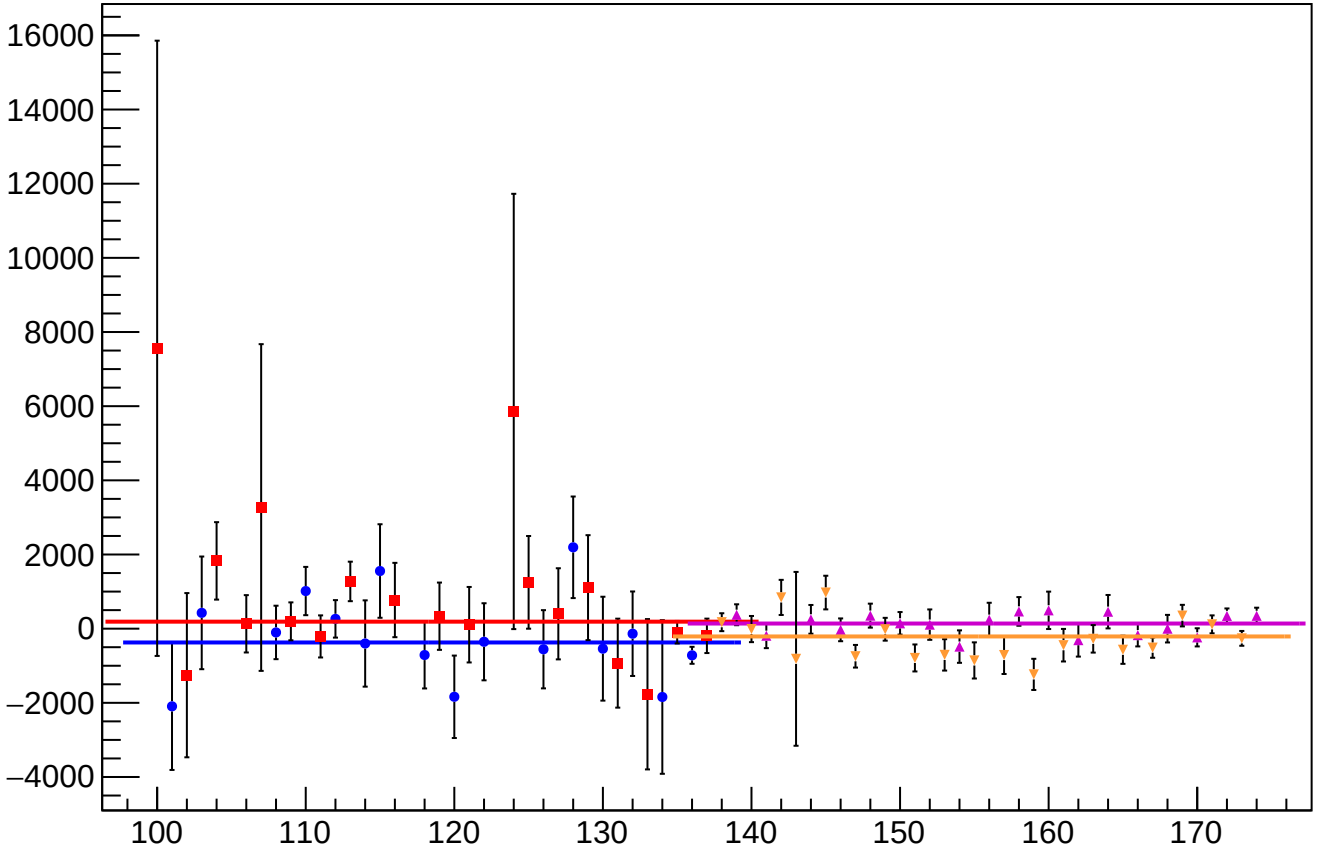
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1267.422+/-0.192 χ^2/NDF:547203.9/33

Out: 1281.209+/-0.193 χ^2/NDF:506307.5/37

All: 1274.277+/-0.136 χ^2/NDF: 1056080.3/71

asym_atl_avg_atr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -209.997+/-76.800 χ^2/NDF:38.7/18

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 138.419+/-75.356 χ^2/NDF:12.8/17

Left: -32.483+/-53.788 χ^2/NDF: 62.0/36

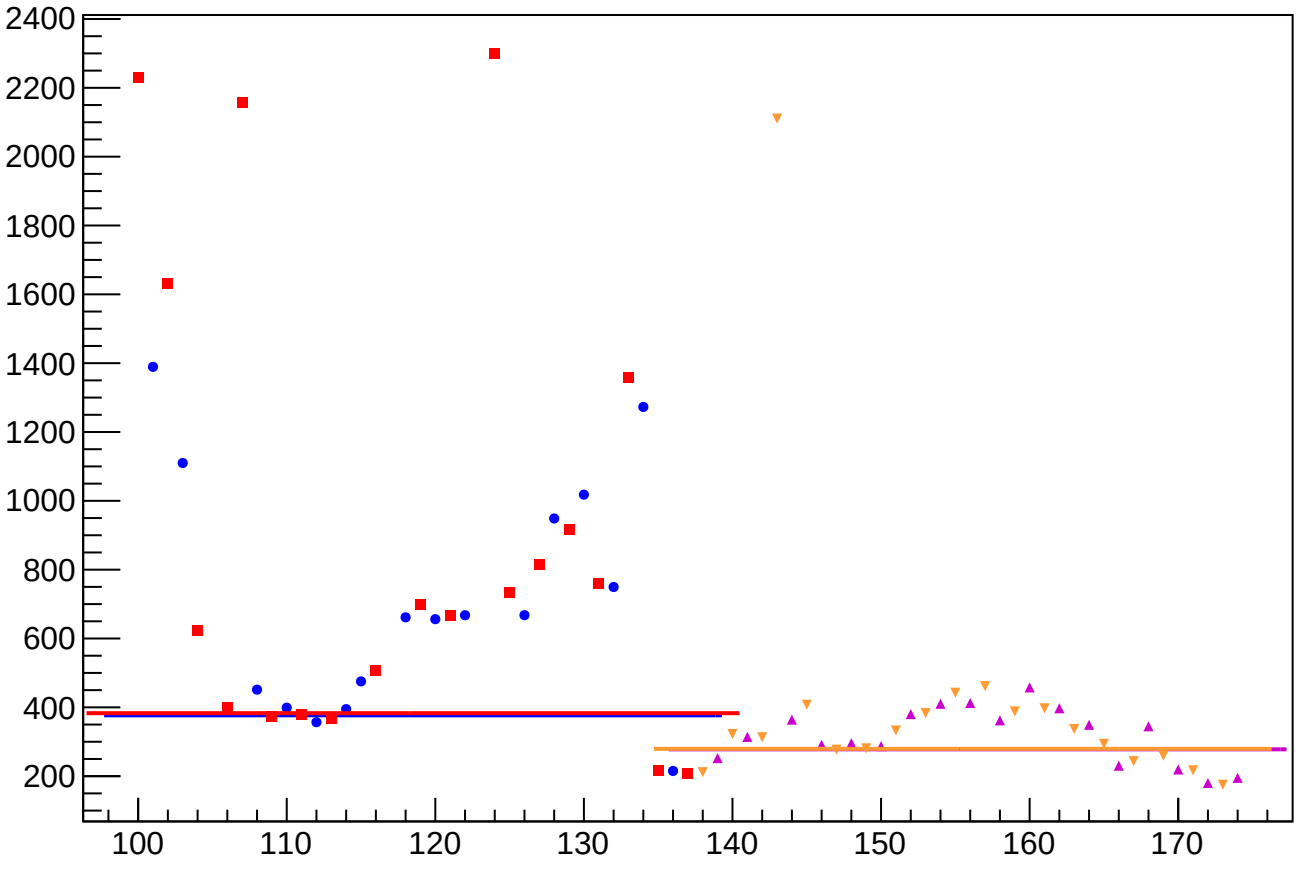
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 53.044+/-68.770 χ^2/NDF:38.6/33

Out: -142.096+/-69.959 χ^2/NDF:58.0/37

All: -42.853+/-49.043 χ^2/NDF: 100.5/71

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 279.401+/-0.054 χ^2/NDF:3269761.7/18

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

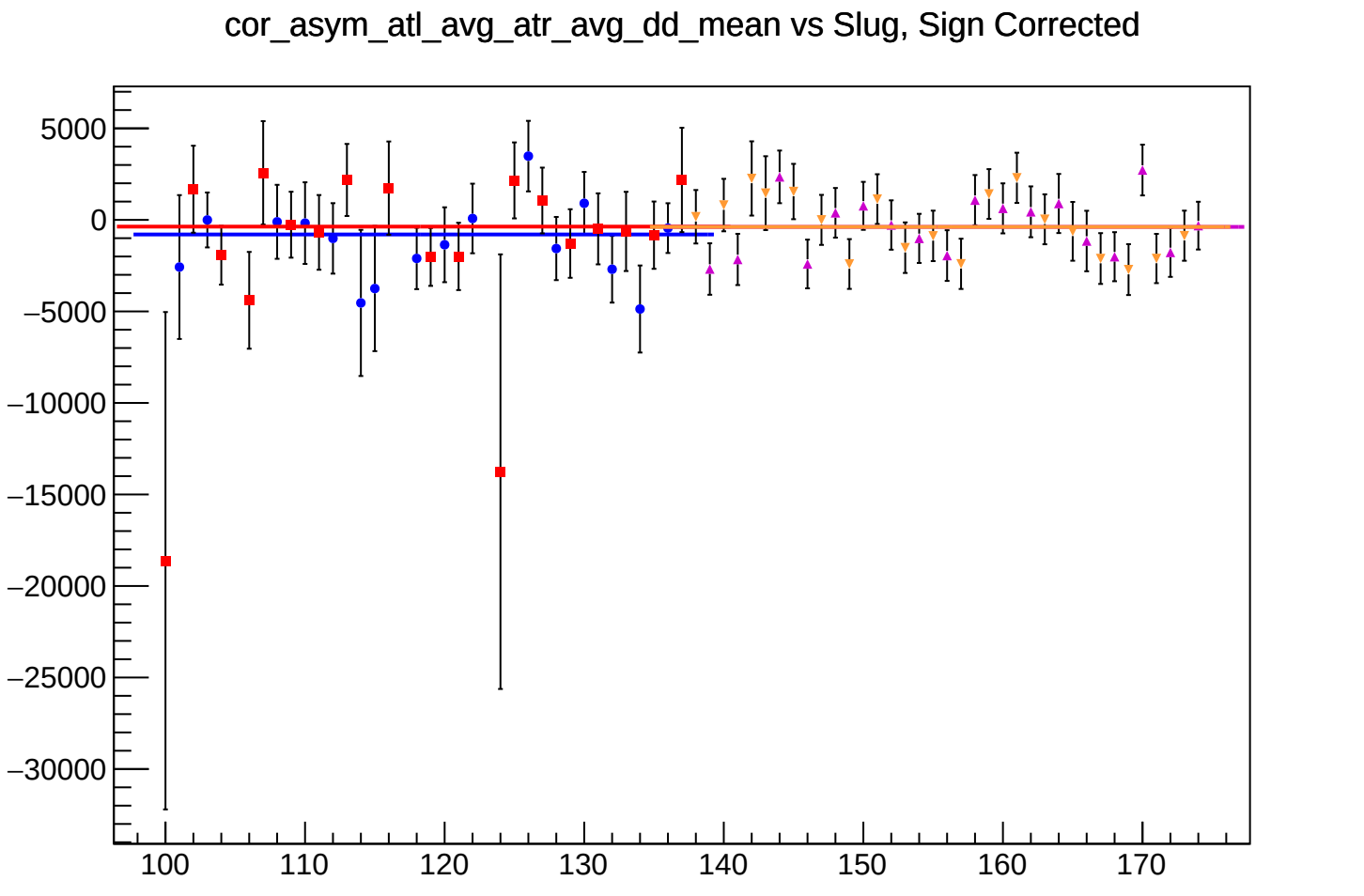
Left: 278.689+/-0.038 χ^2/NDF: 5435479.6/36

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.534+/-0.049 χ^2/NDF:6931297.0/33

Out: 297.046+/-0.049 χ^2/NDF:7944194.1/37

All: 295.769+/-0.035 χ^2/NDF: 14876802.3/71



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

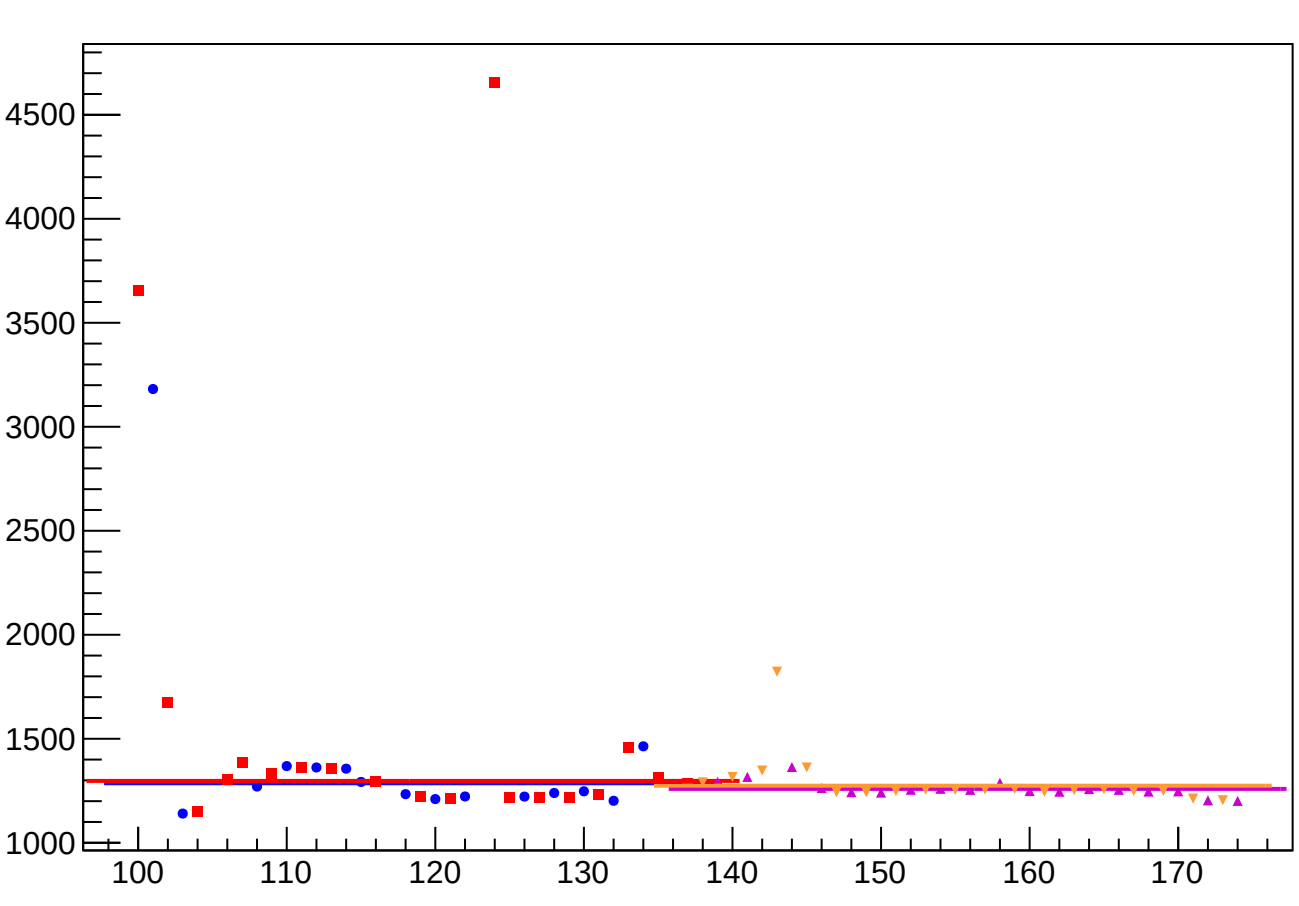
Left: -382.719+/-231.976 χ^2/NDF: 46.6/36

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -378.016+/-272.872 χ^2/NDF:39.0/37

All: -444.845+/-192.382 χ^2/NDF: 76.3/71



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1266.661+/-0.164 χ^2/NDF: 202574.0/36

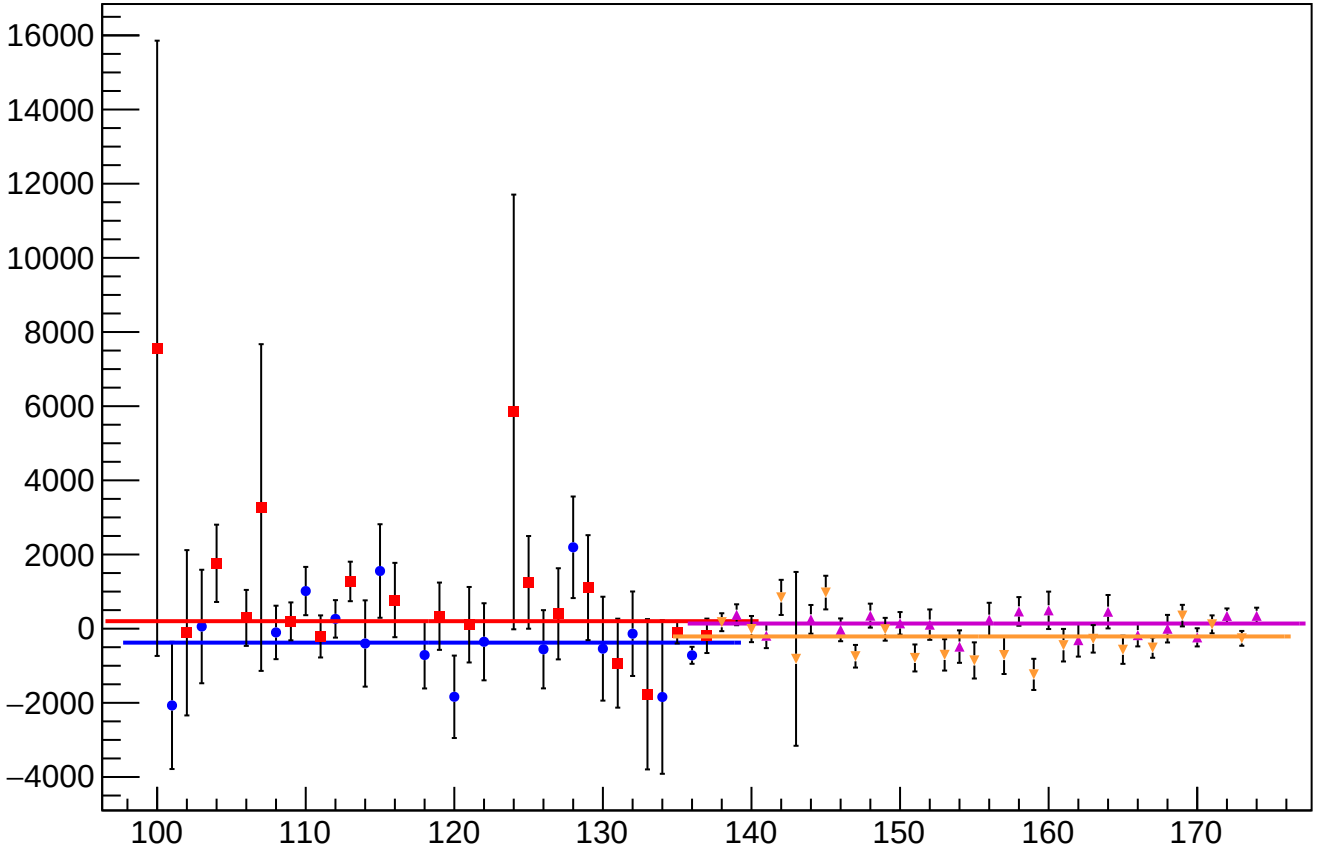
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

asym_atl_avg_atr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -32.433+/-53.789 χ^2/NDF: 62.0/36

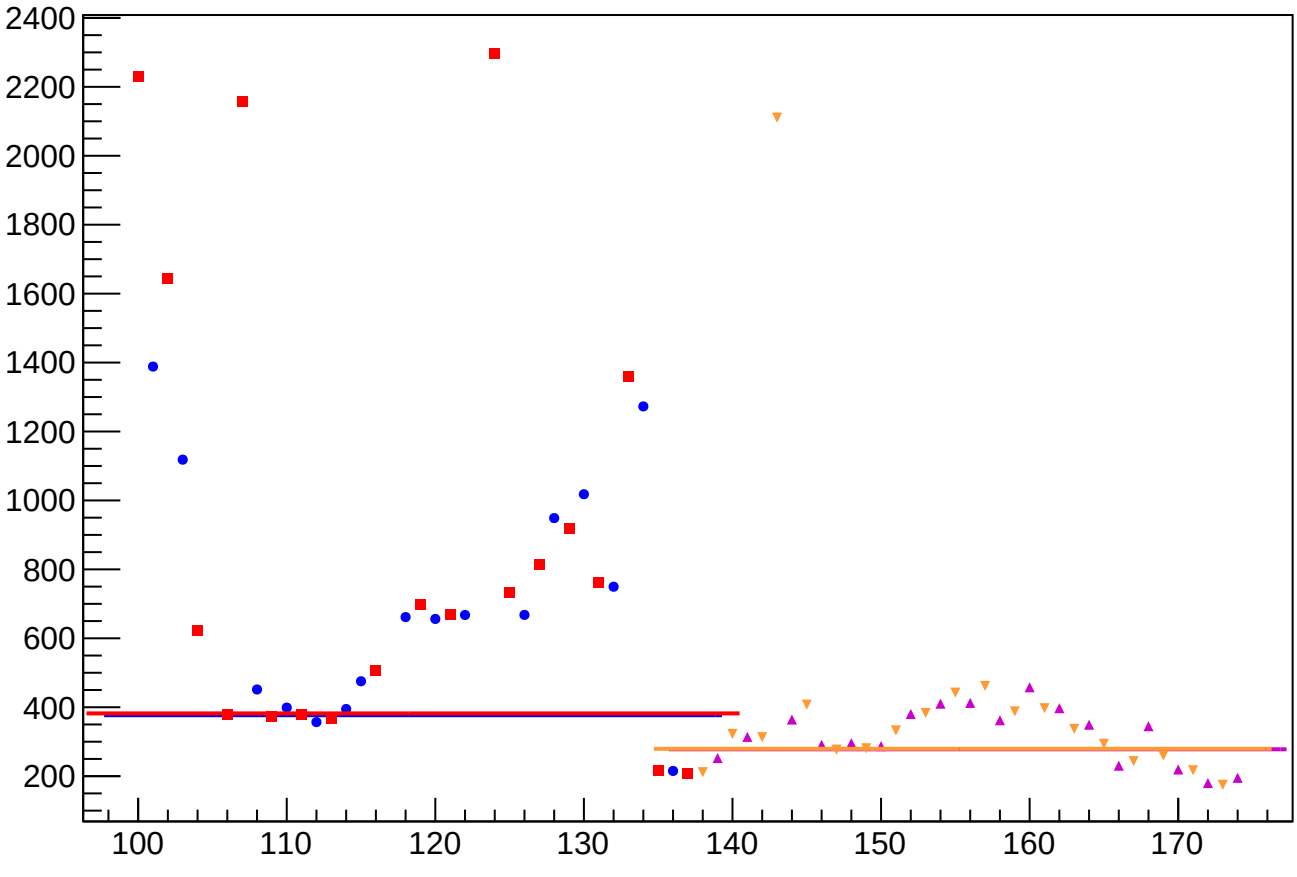
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -42.031+/-49.039 χ^2/NDF: 100.0/71

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

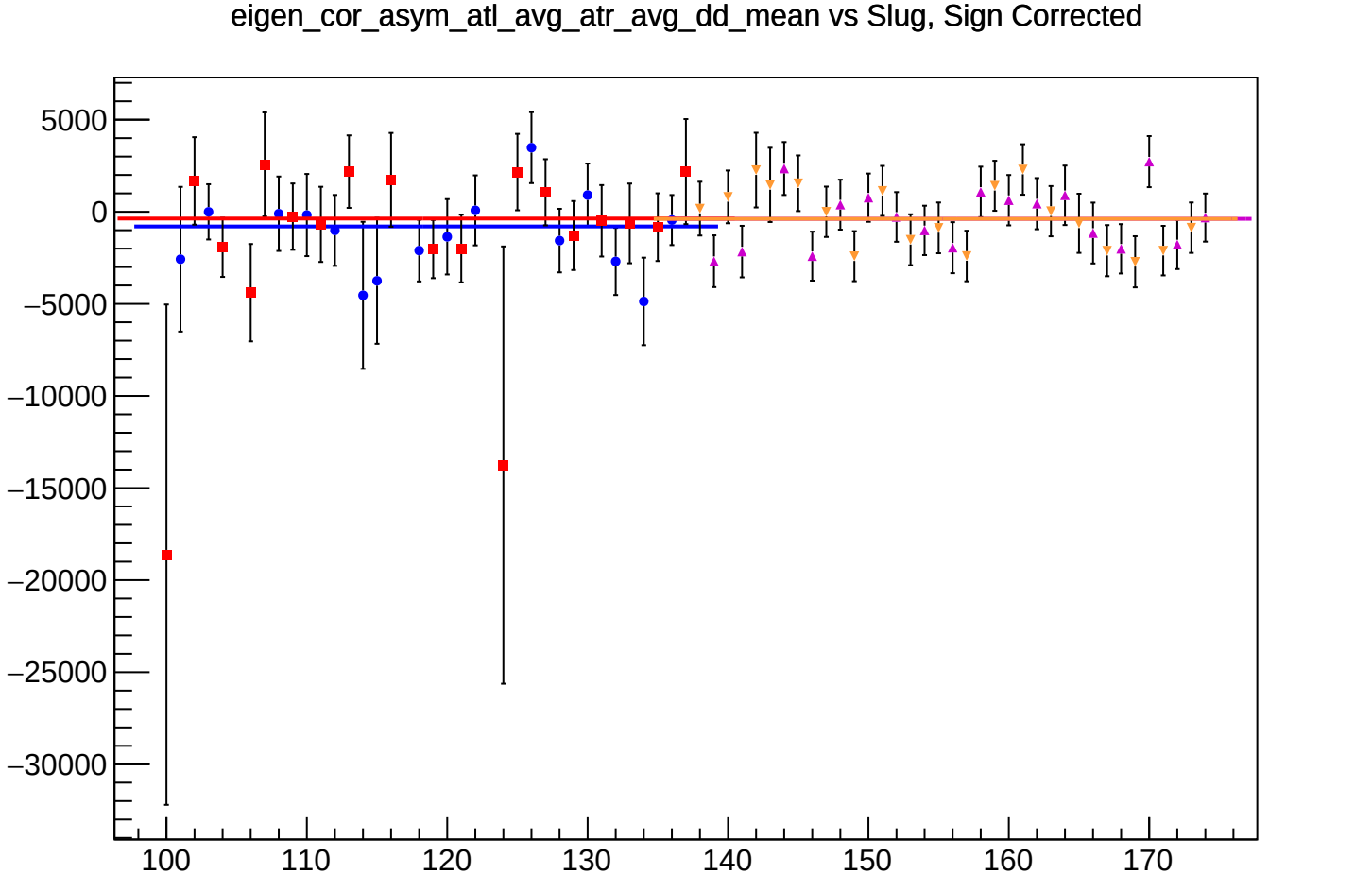
Left: 278.697+/-0.038 χ^2/NDF: 5435075.7/36

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

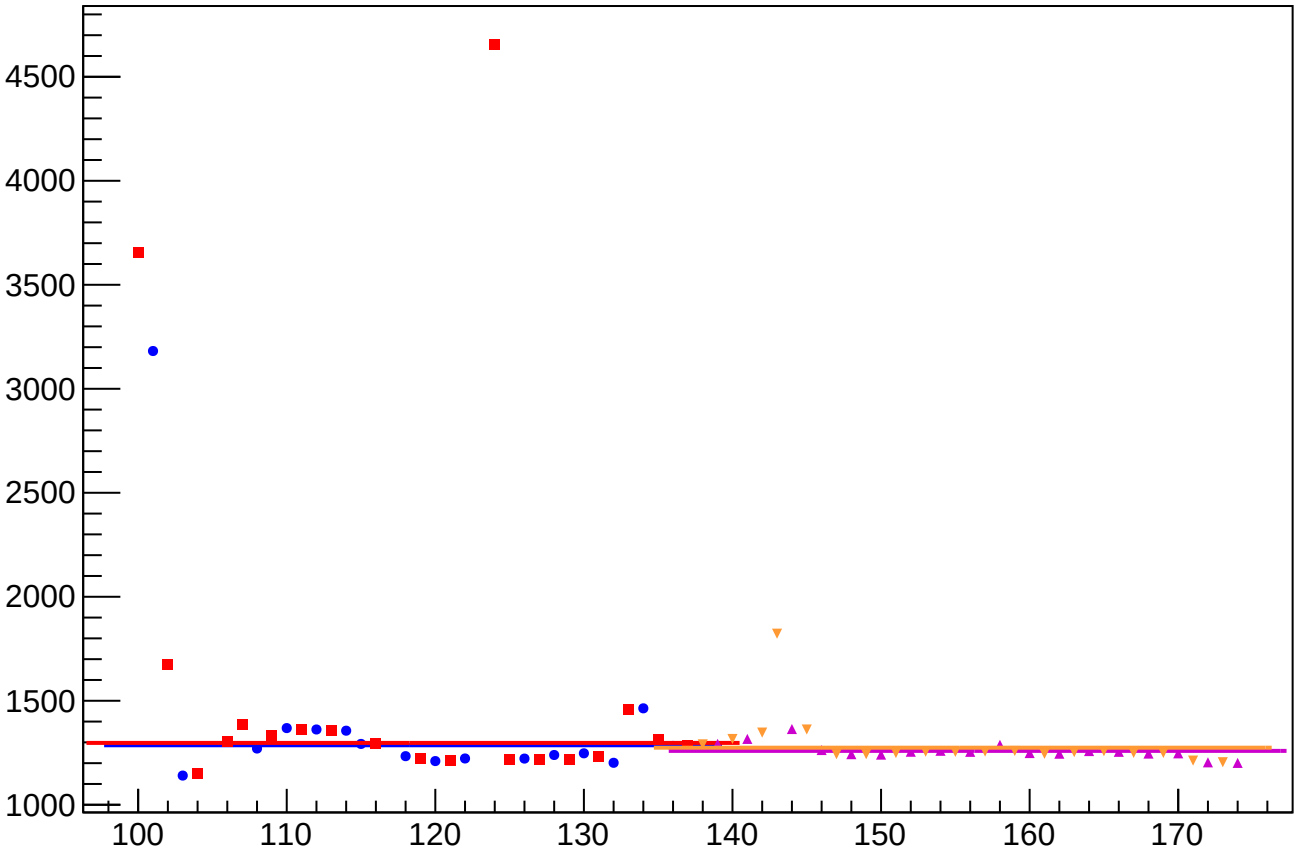
Left: -382.719+/-231.976 χ^2/NDF: 46.6/36

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -378.016+/-272.872 χ^2/NDF:39.0/37

All: -444.845+/-192.382 χ^2/NDF: 76.3/71



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1266.661+/-0.164 χ^2/NDF: 202574.0/36

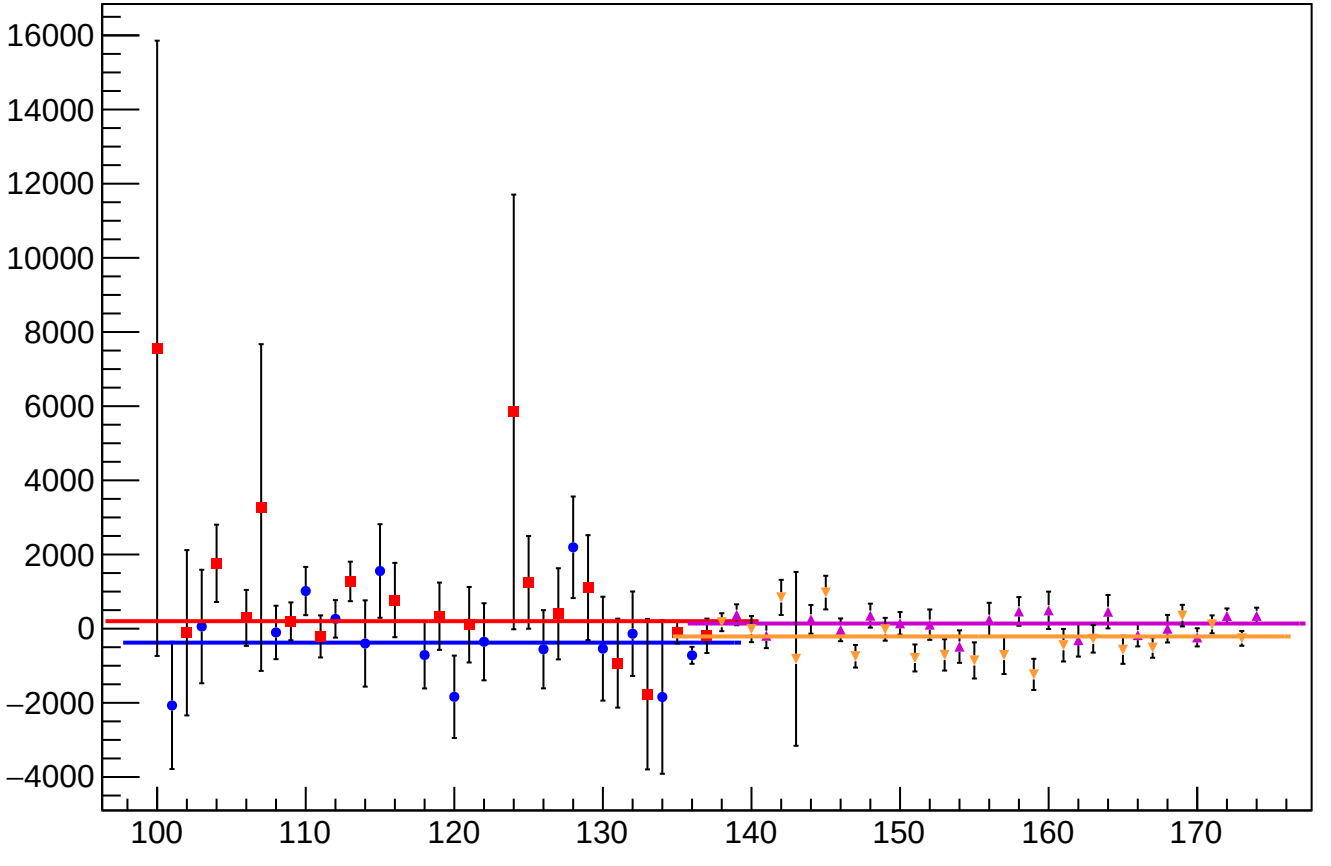
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -32.433+/-53.789 χ^2/NDF: 62.0/36

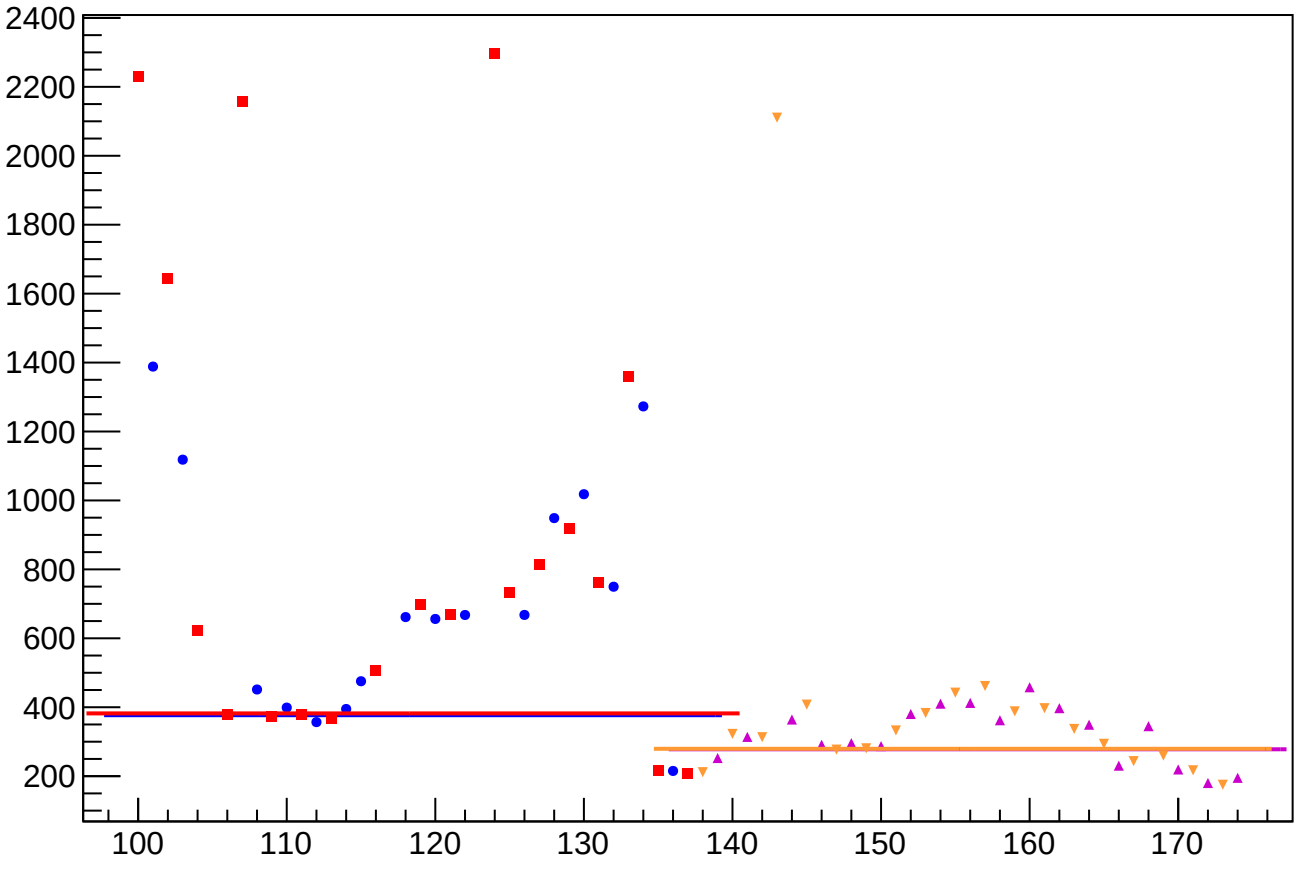
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -42.031+/-49.039 χ^2/NDF: 100.0/71

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

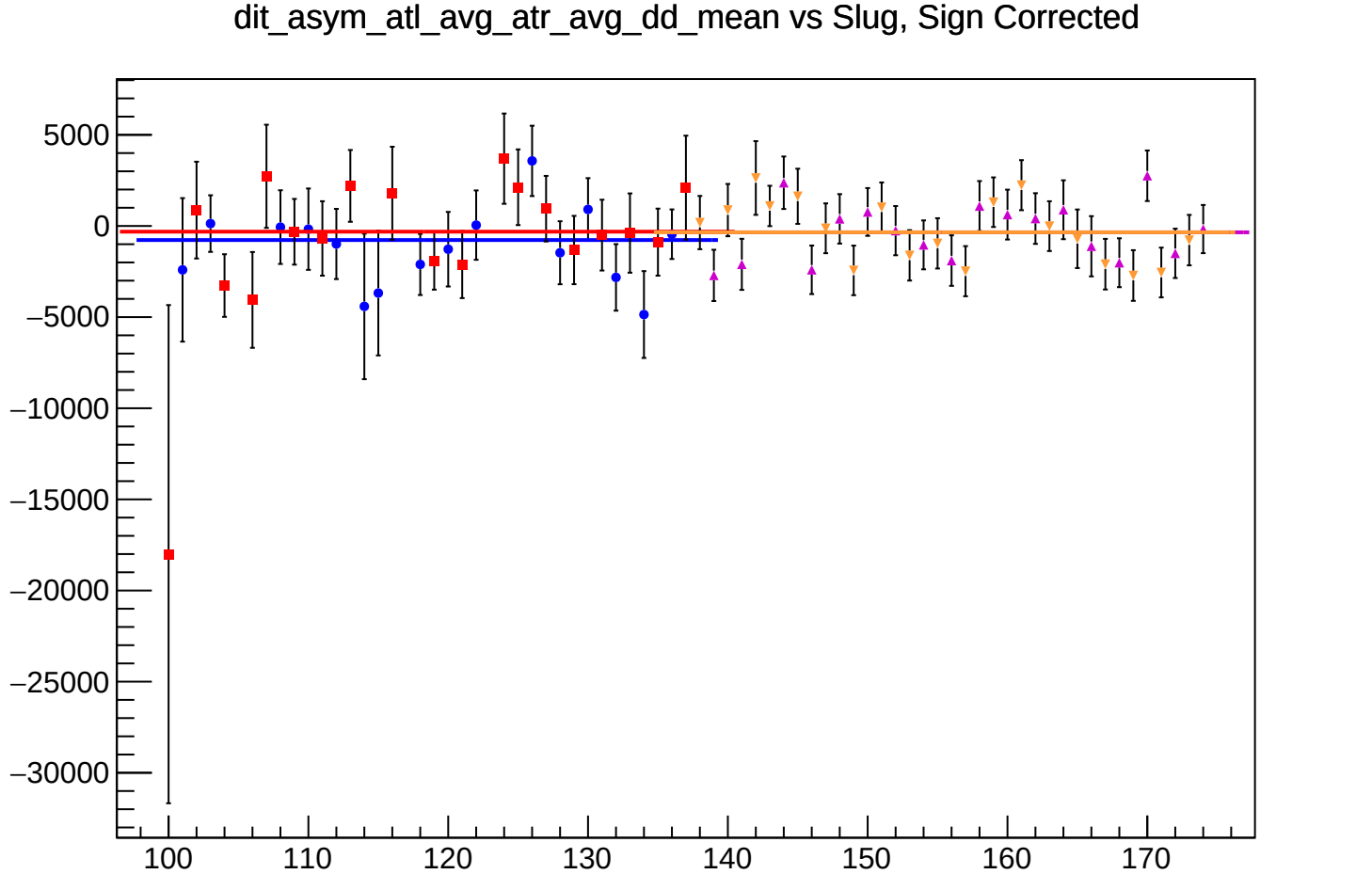
Left: 278.697+/-0.038 χ^2/NDF: 5435075.7/36

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -346.383+/-320.500 χ^2/NDF:25.6/18

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -347.668+/-327.223 χ^2/NDF:22.9/17

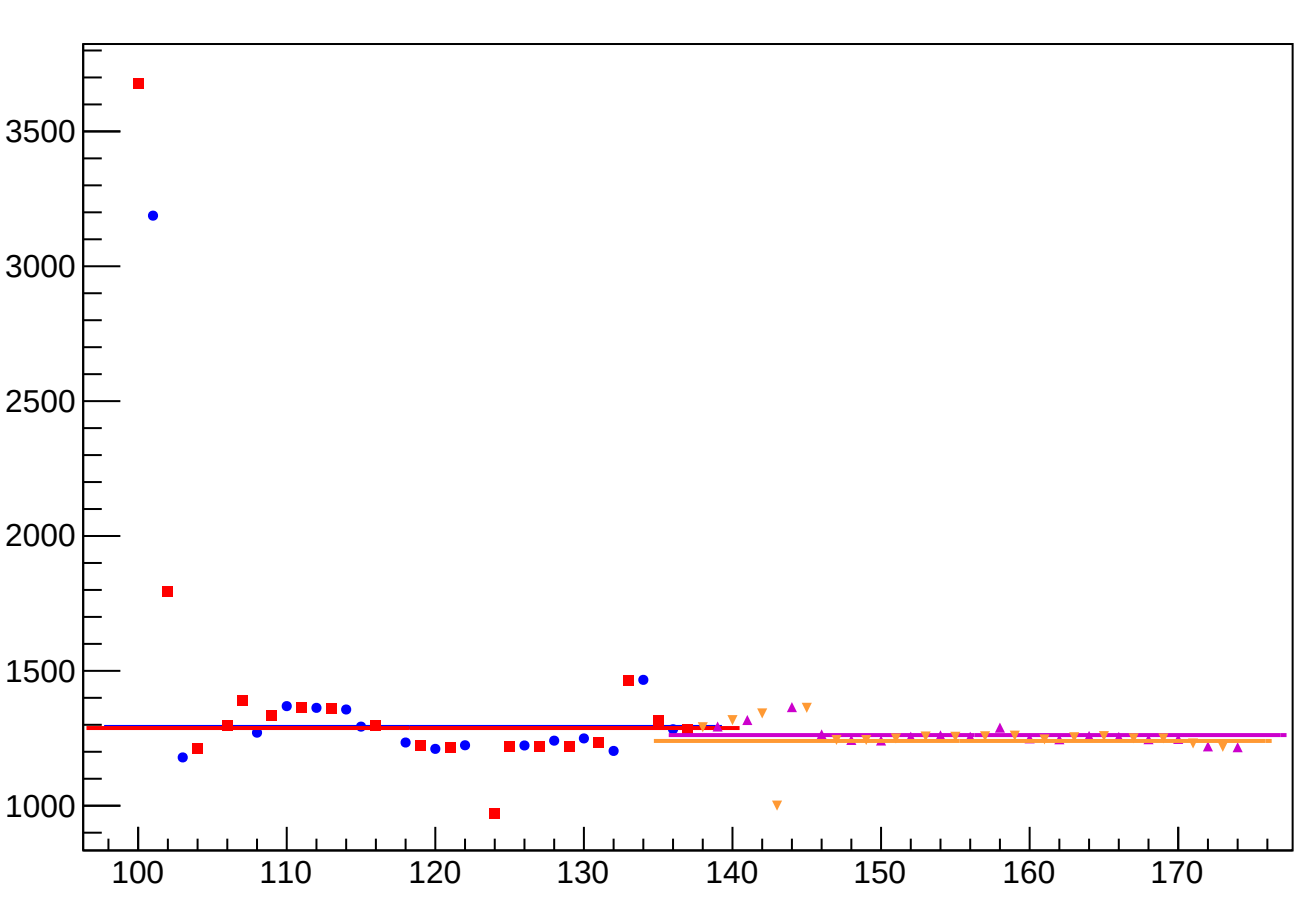
Left: -347.012+/-228.968 χ^2/NDF: 48.5/36

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -478.532+/-272.055 χ^2/NDF:37.0/33

Out: -335.683+/-266.994 χ^2/NDF:43.6/37

All: -405.766+/-190.557 χ^2/NDF: 80.7/71



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.8/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

Left: 1250.786+/-0.162 χ^2/NDF: 148903.8/36

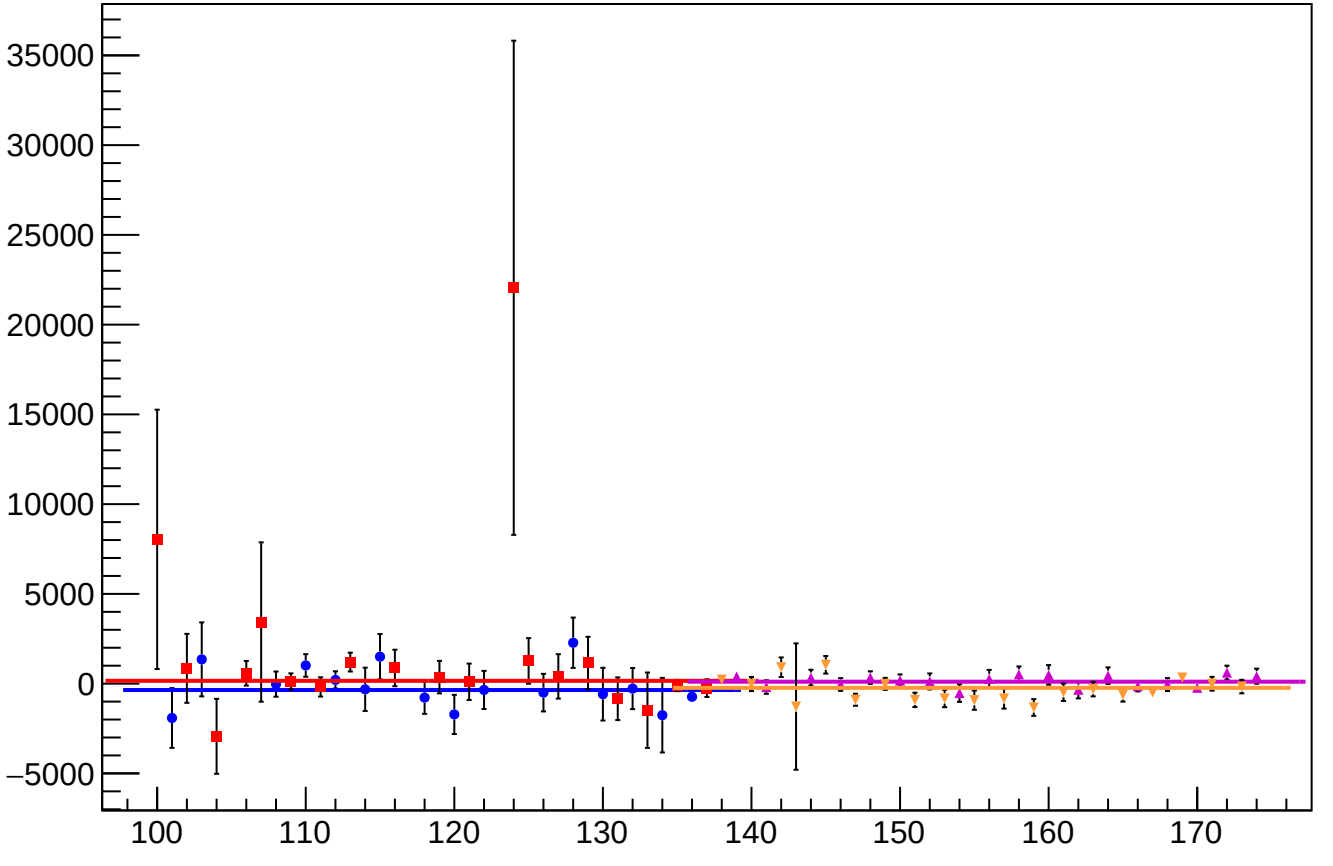
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.197+/-0.192 χ^2/NDF:536095.5/33

Out: 1254.781+/-0.189 χ^2/NDF:345799.5/37

All: 1262.835+/-0.135 χ^2/NDF: 885604.2/71

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: -234.611+/-88.044 χ^2/NDF:38.9/18

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 109.070+/-87.398 χ^2/NDF:12.4/17

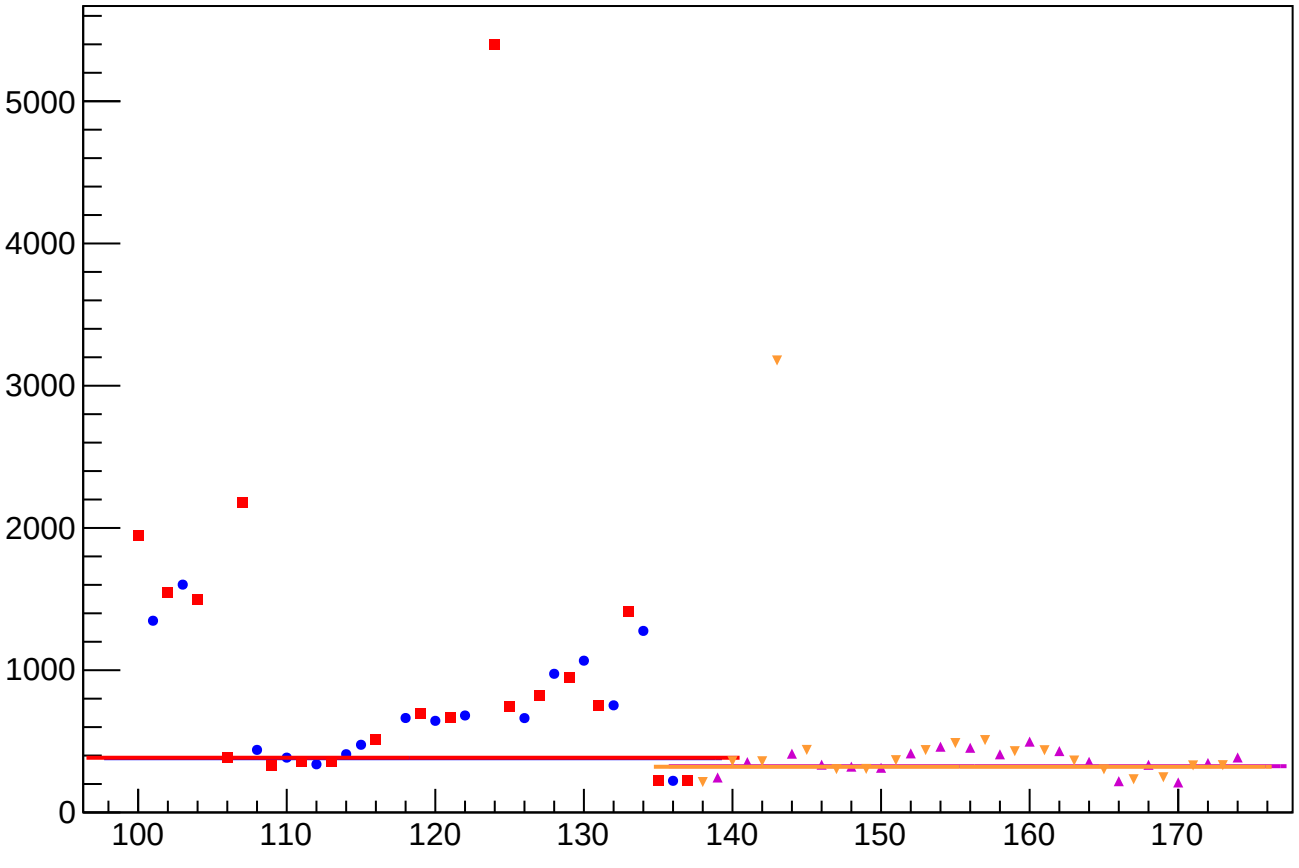
Left: -61.504+/-62.027 χ^2/NDF: 59.0/36

Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 11.982+/-77.725 χ^2/NDF:36.7/33

Out: -151.332+/-78.149 χ^2/NDF:59.0/37

All: -69.231+/-55.109 χ^2/NDF: 97.9/71



Right In: 381.349+/-0.120 χ^2/NDF: 4317922.6/15

Left Out: 321.261+/-0.062 χ^2/NDF:3046274.4/18

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

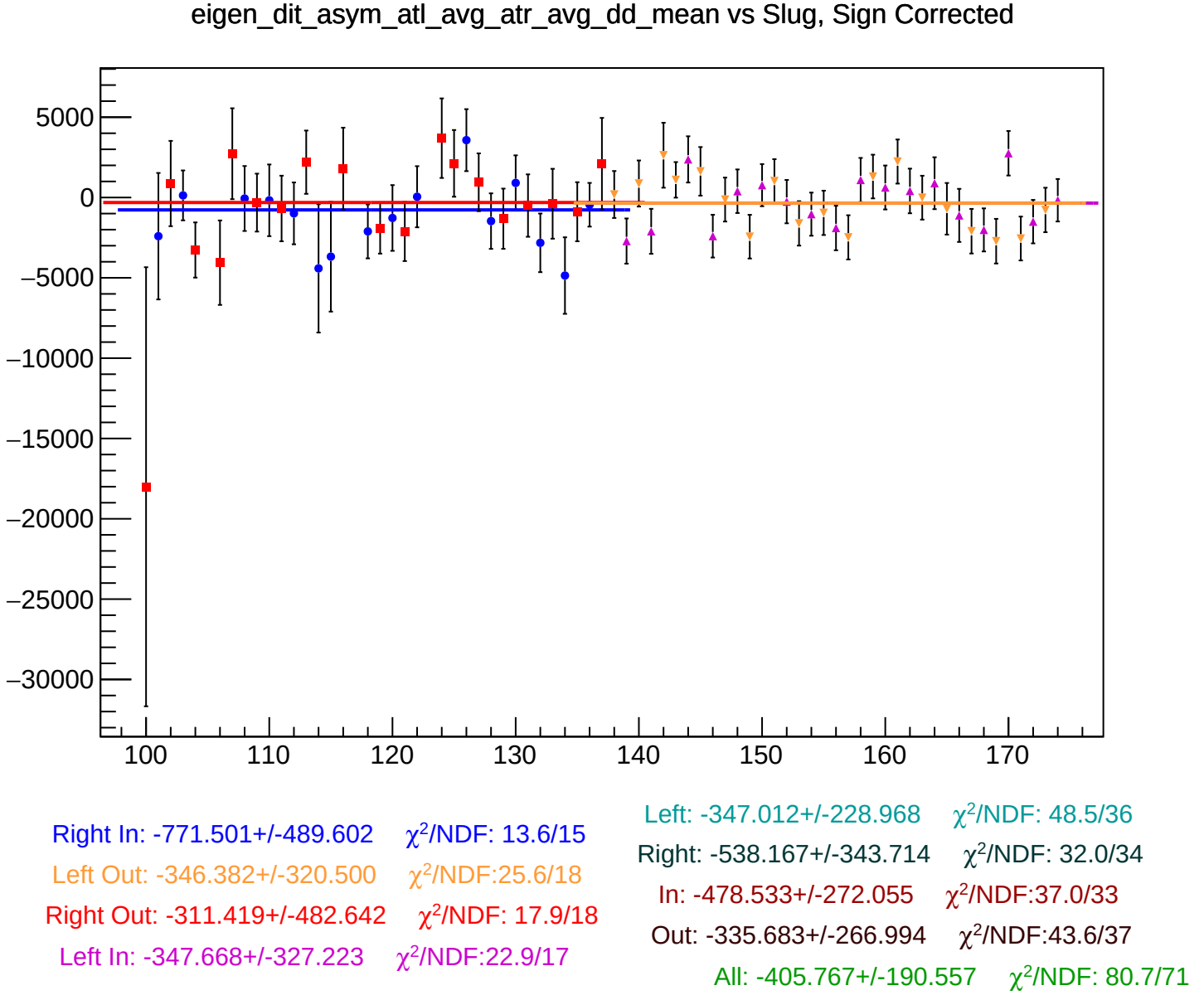
Left: 323.272+/-0.044 χ^2/NDF: 4841699.8/36

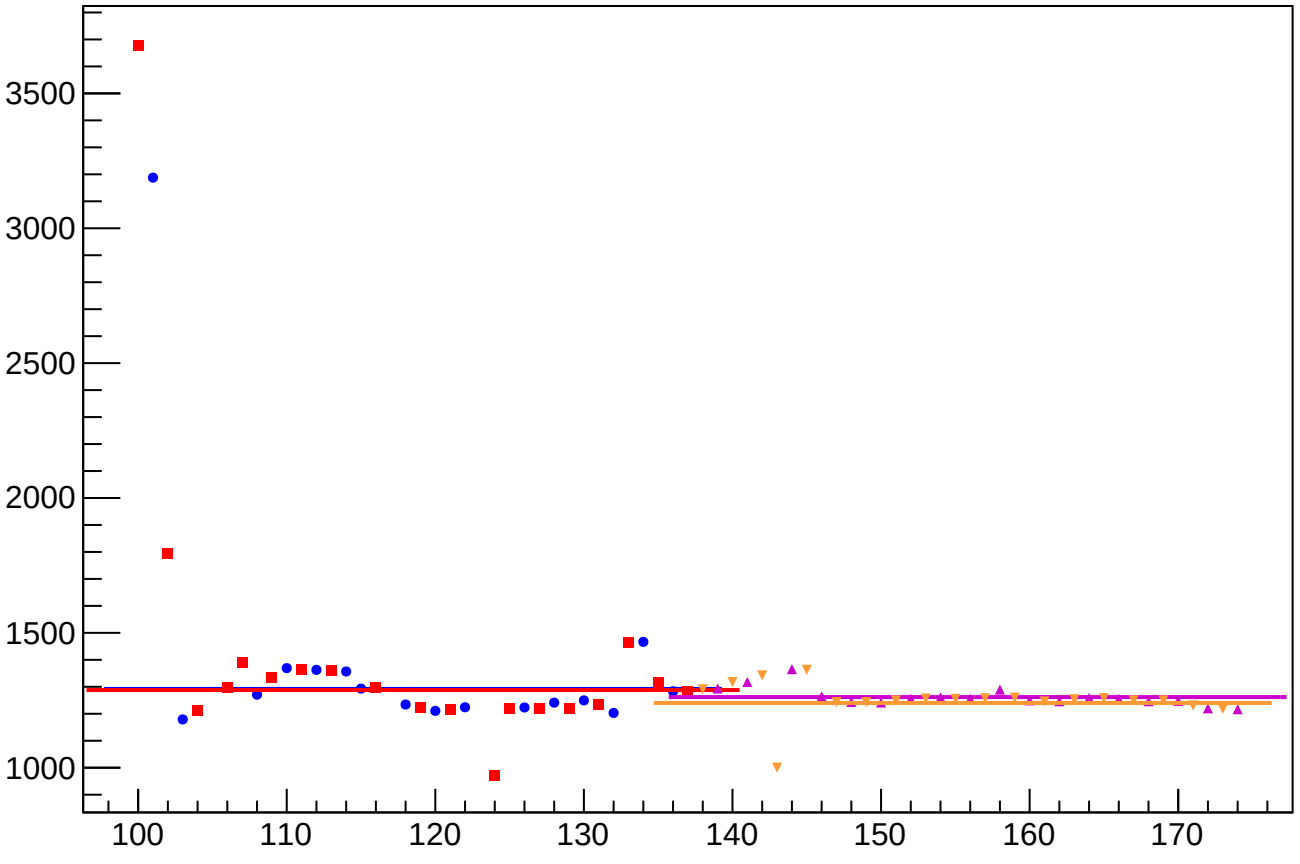
Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 336.984+/-0.055 χ^2/NDF:6283565.6/33

Out: 334.710+/-0.055 χ^2/NDF:7826432.6/37

All: 335.853+/-0.039 χ^2/NDF: 14110849.4/71


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
110
120
130
140
150
160
170
Right In: -771.501+/-489.602 χ²/NDF: 13.6/15
Left Out: -346.382+/-320.500 χ²/NDF:25.6/18
Right Out: -311.419+/-482.642 χ²/NDF: 17.9/18
Left In: -347.668+/-327.223 χ²/NDF:22.9/17
Left: -347.012+/-228.968 χ²/NDF: 48.5/36
Right: -538.167+/-343.714 χ²/NDF: 32.0/34
In: -478.533+/-272.055 χ²/NDF:37.0/33
Out: -335.683+/-266.994 χ²/NDF:43.6/37
All: -405.767+/-190.557 χ²/NDF: 80.7/71



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.0/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

Left: 1250.786+/-0.162 χ^2/NDF: 148903.1/36

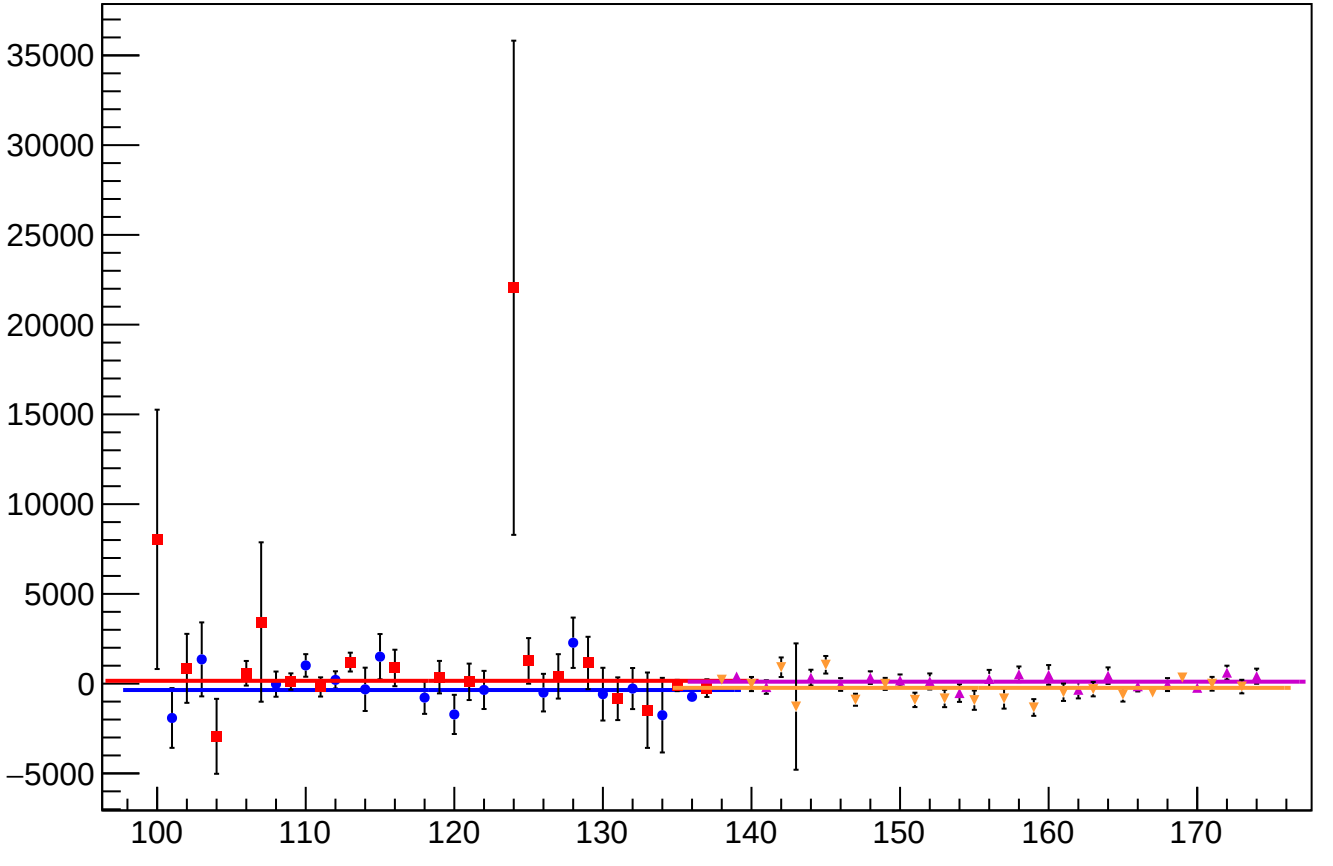
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.197+/-0.192 χ^2/NDF:536095.6/33

Out: 1254.781+/-0.189 χ^2/NDF:345799.0/37

All: 1262.835+/-0.135 χ^2/NDF: 885603.8/71

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -234.618+/-88.045 χ^2/NDF:38.9/18

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 109.068+/-87.398 χ^2/NDF:12.4/17

Left: -61.508+/-62.027 χ^2/NDF: 59.0/36

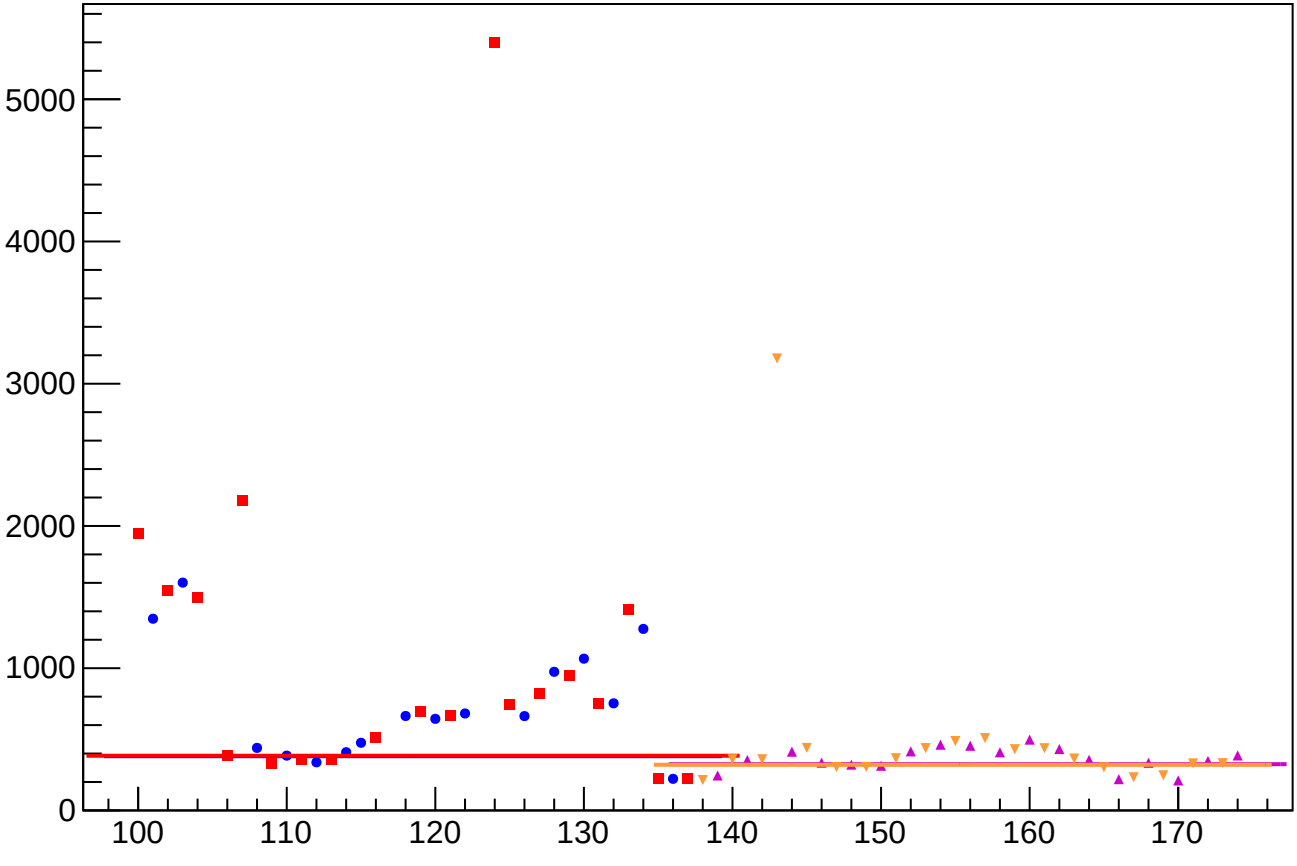
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 11.983+/-77.725 χ^2/NDF:36.7/33

Out: -151.337+/-78.149 χ^2/NDF:59.0/37

All: -69.233+/-55.109 χ^2/NDF: 97.9/71

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 321.264+/-0.062 χ^2/NDF:3046148.3/18

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

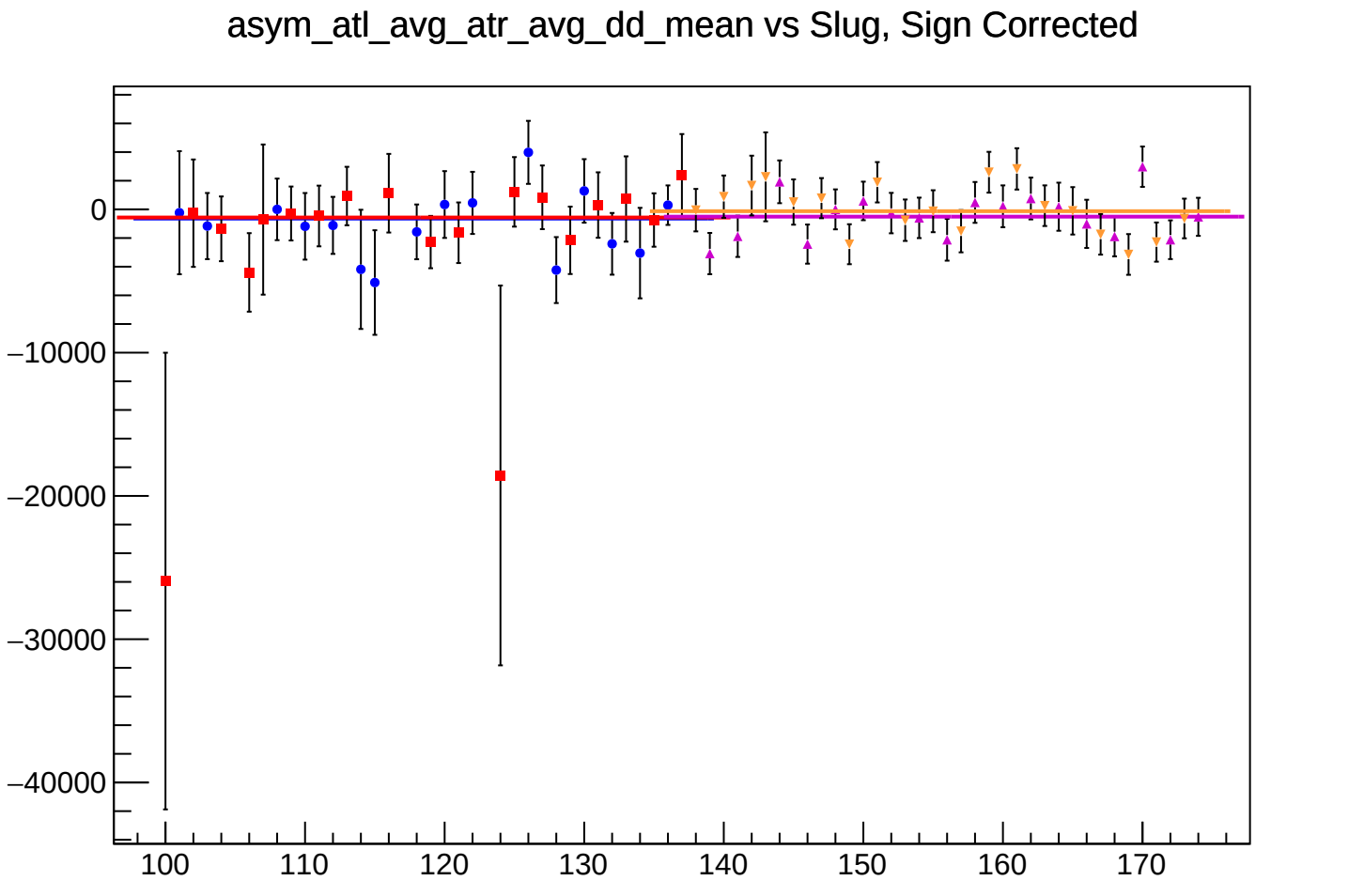
Left: 323.274+/-0.044 χ^2/NDF: 4841506.6/36

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 336.986+/-0.055 χ^2/NDF:6283363.0/33

Out: 334.713+/-0.055 χ^2/NDF:7826197.7/37

All: 335.856+/-0.039 χ^2/NDF: 14110411.4/71



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -125.697+/-343.650 χ^2/NDF:24.6/18

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -507.426+/-337.810 χ^2/NDF:21.1/17

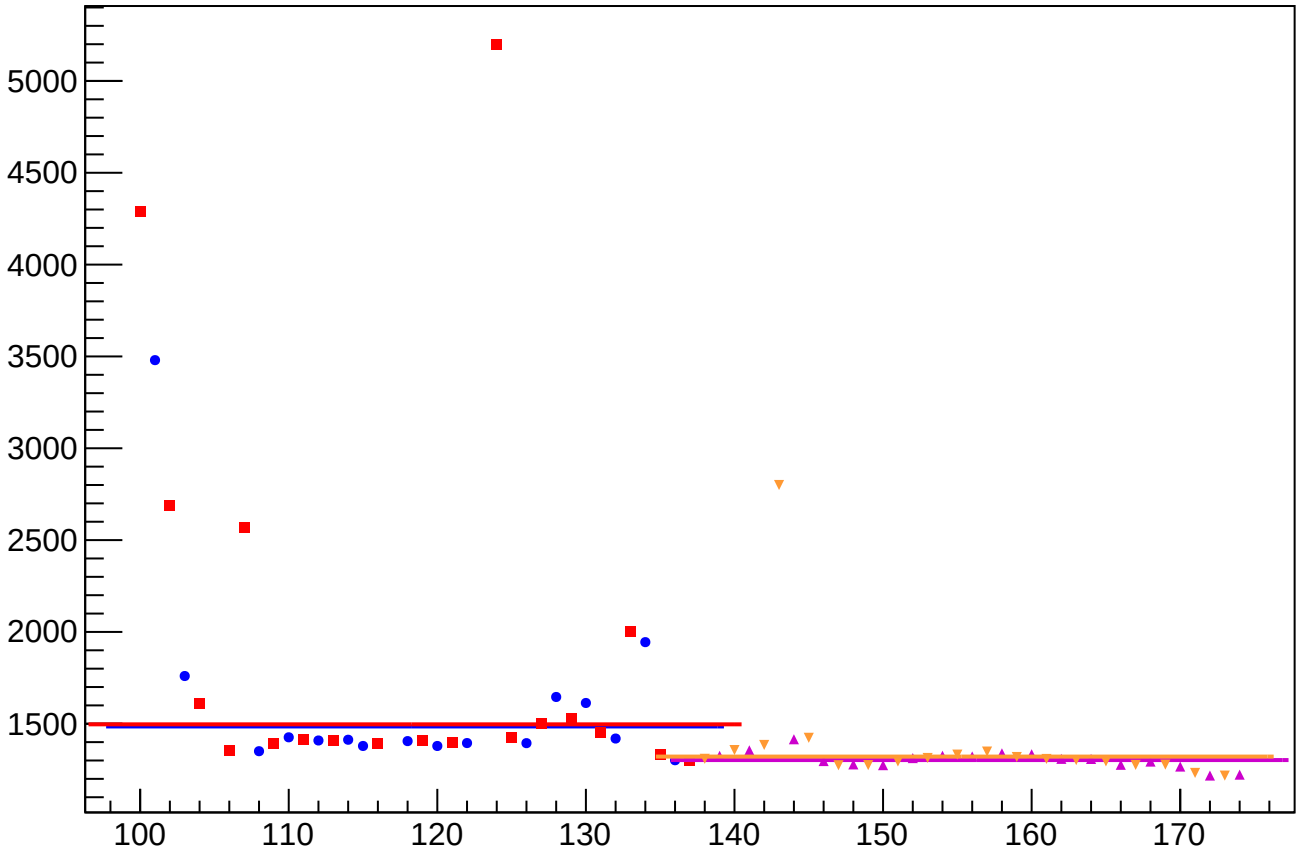
Left: -319.832+/-240.906 χ^2/NDF: 46.3/36

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -542.613+/-289.853 χ^2/NDF:33.6/33

Out: -244.391+/-293.854 χ^2/NDF:36.4/37

All: -395.546+/-206.357 χ^2/NDF: 70.5/71



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1321.317+/-0.243 χ^2/NDF:496388.0/18

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

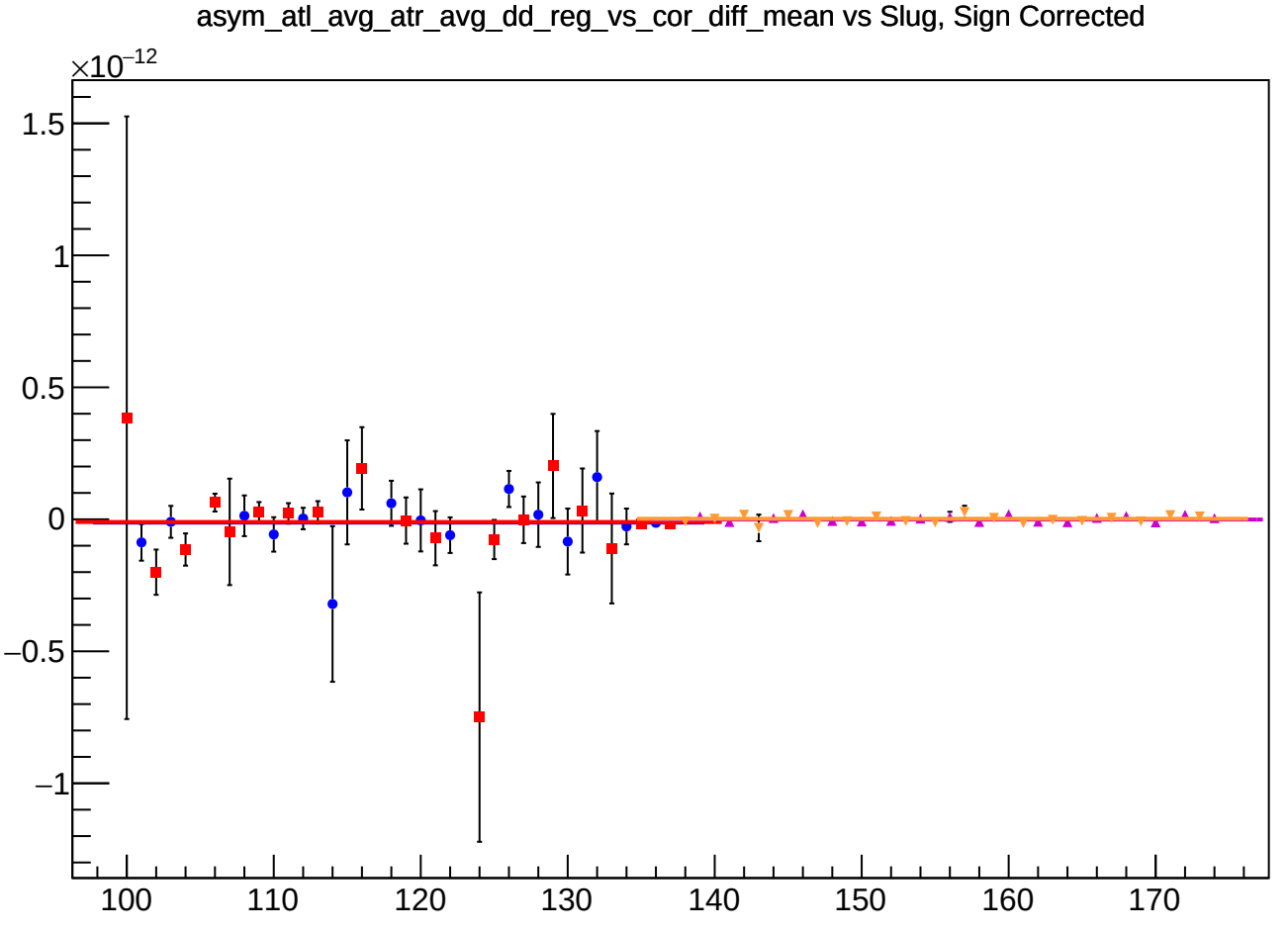
Left: 1311.675+/-0.170 χ^2/NDF: 535805.3/36

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1350.632+/-0.205 χ^2/NDF:775630.2/33

Out: 1368.506+/-0.208 χ^2/NDF:1259974.6/37

All: 1359.447+/-0.146 χ^2/NDF: 2039355.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/17

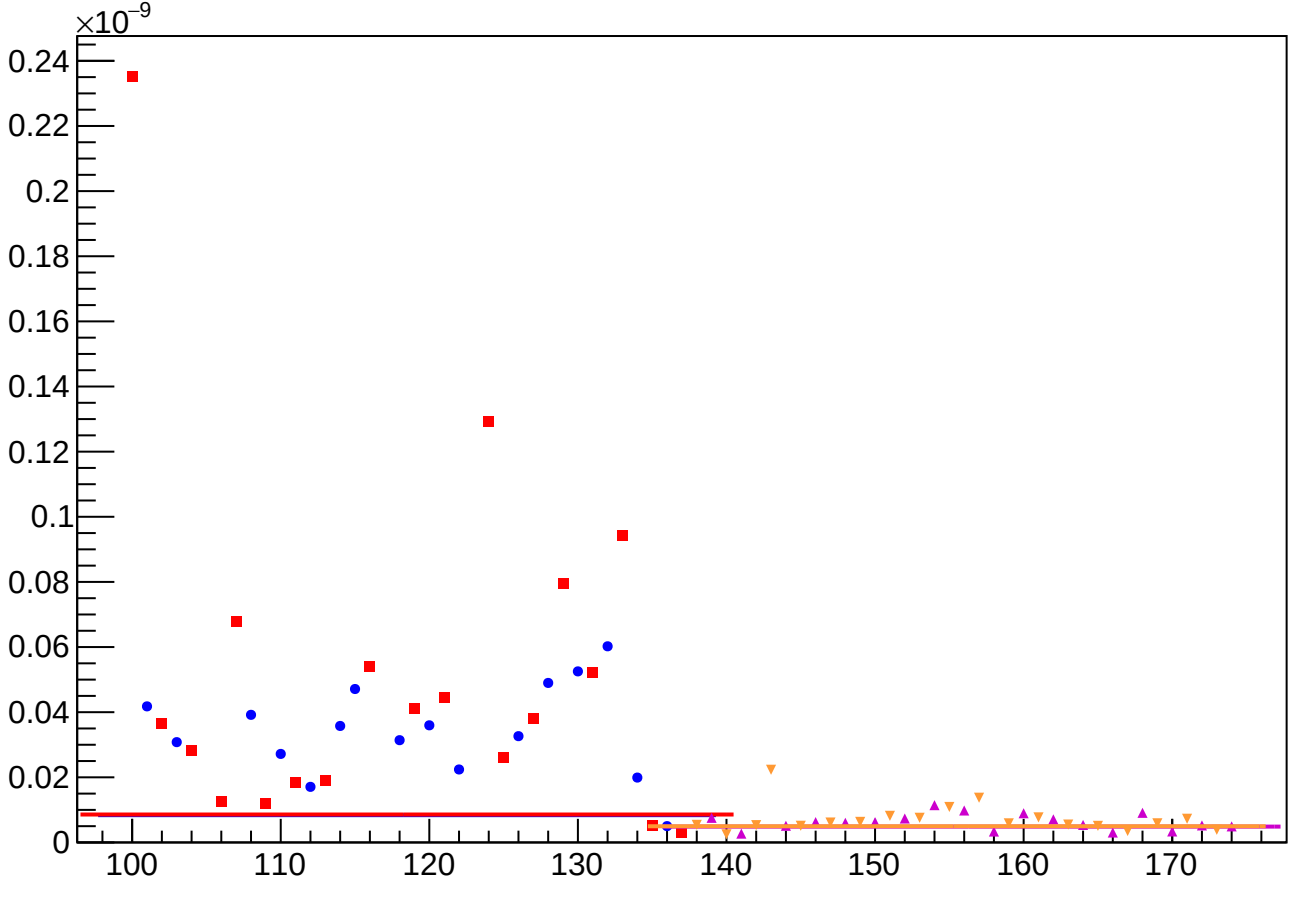
Left: 0.000+/-0.000 χ^2/NDF: 40.9/36

Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.3/33

Out: 0.000+/-0.000 χ^2/NDF:42.7/37

All: -0.000+/-0.000 χ^2/NDF: 77.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1880418.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

Left: 0.000+/-0.000 χ^2/NDF: 3573316.4/36

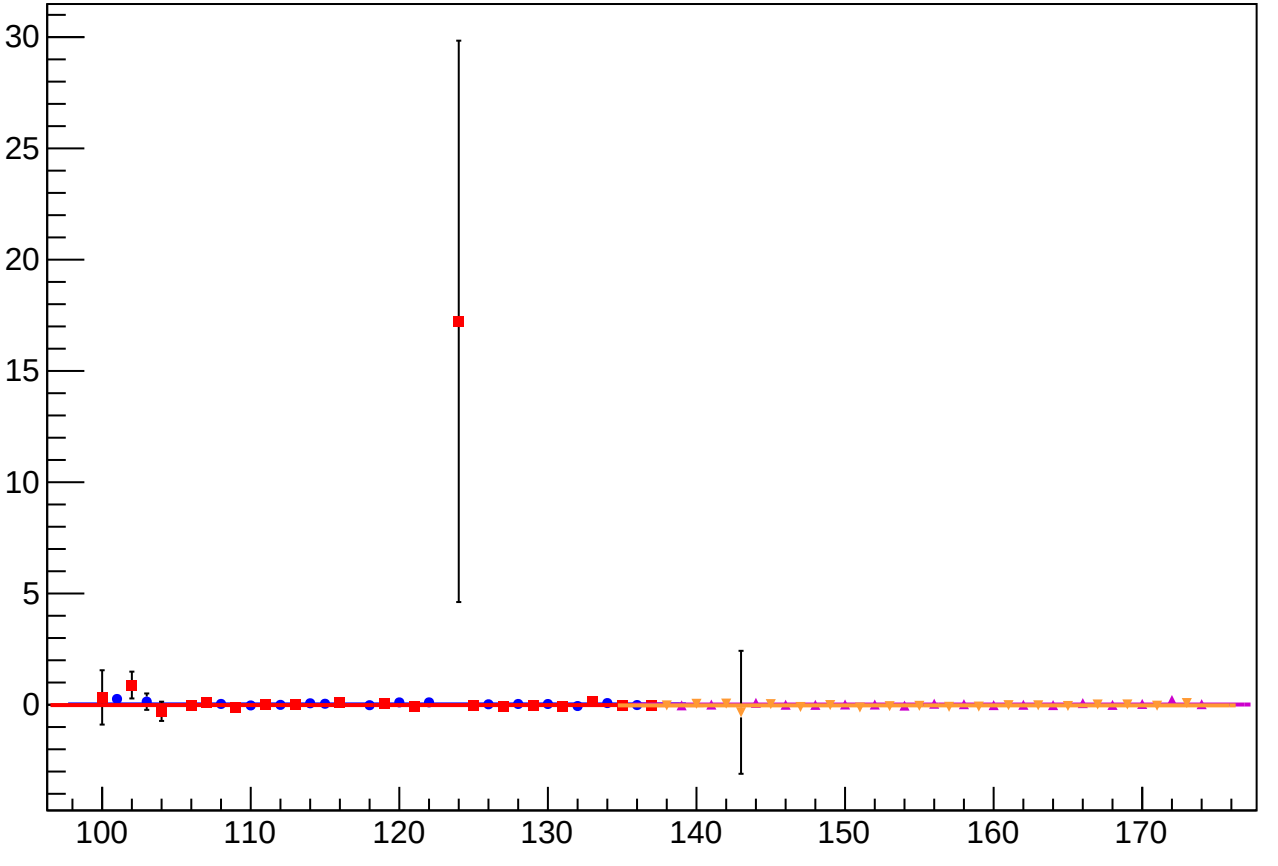
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5161149.1/33

Out: 0.000+/-0.000 χ^2/NDF:5605195.1/37

All: 0.000+/-0.000 χ^2/NDF: 10767564.9/71

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

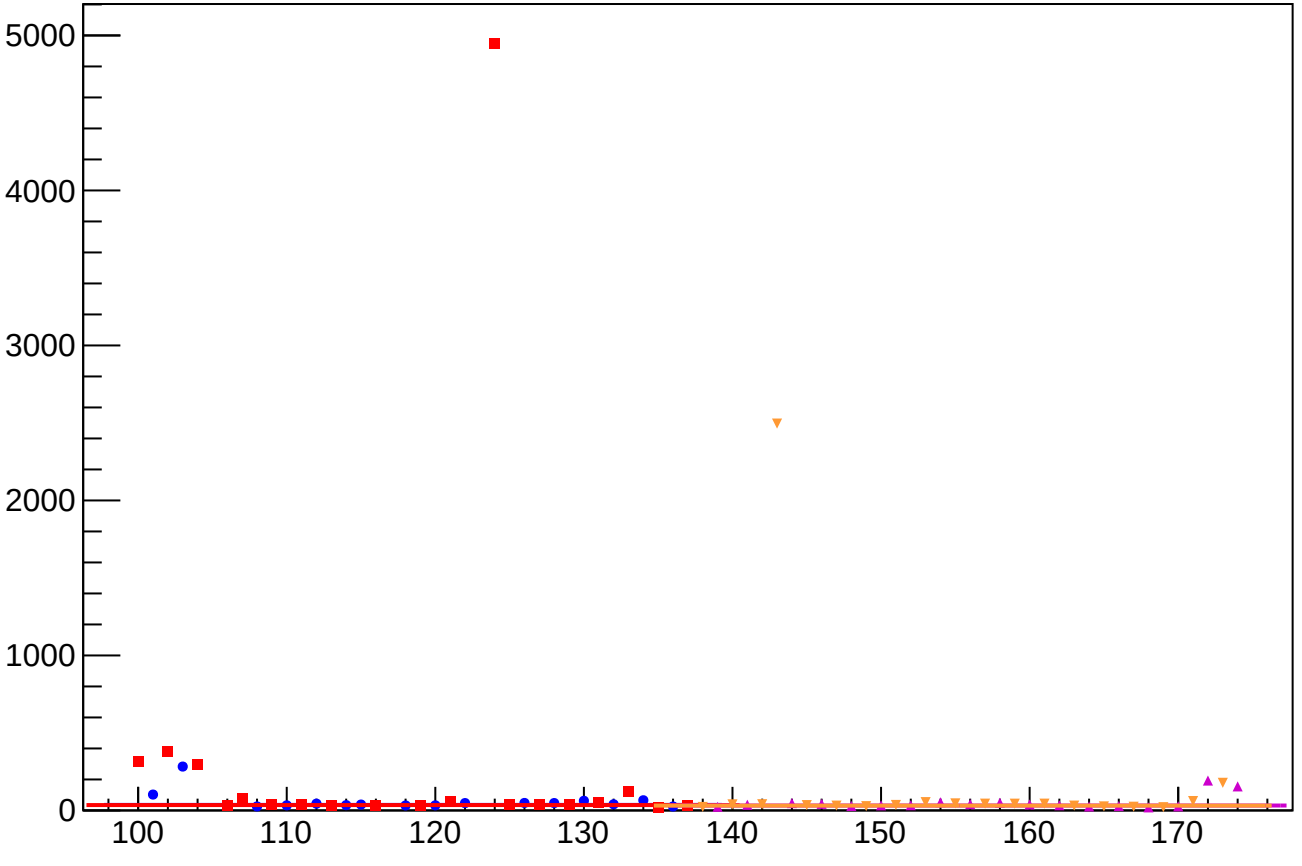
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

Left: 31.601+/-0.005 χ^2/NDF: 8196162.3/36

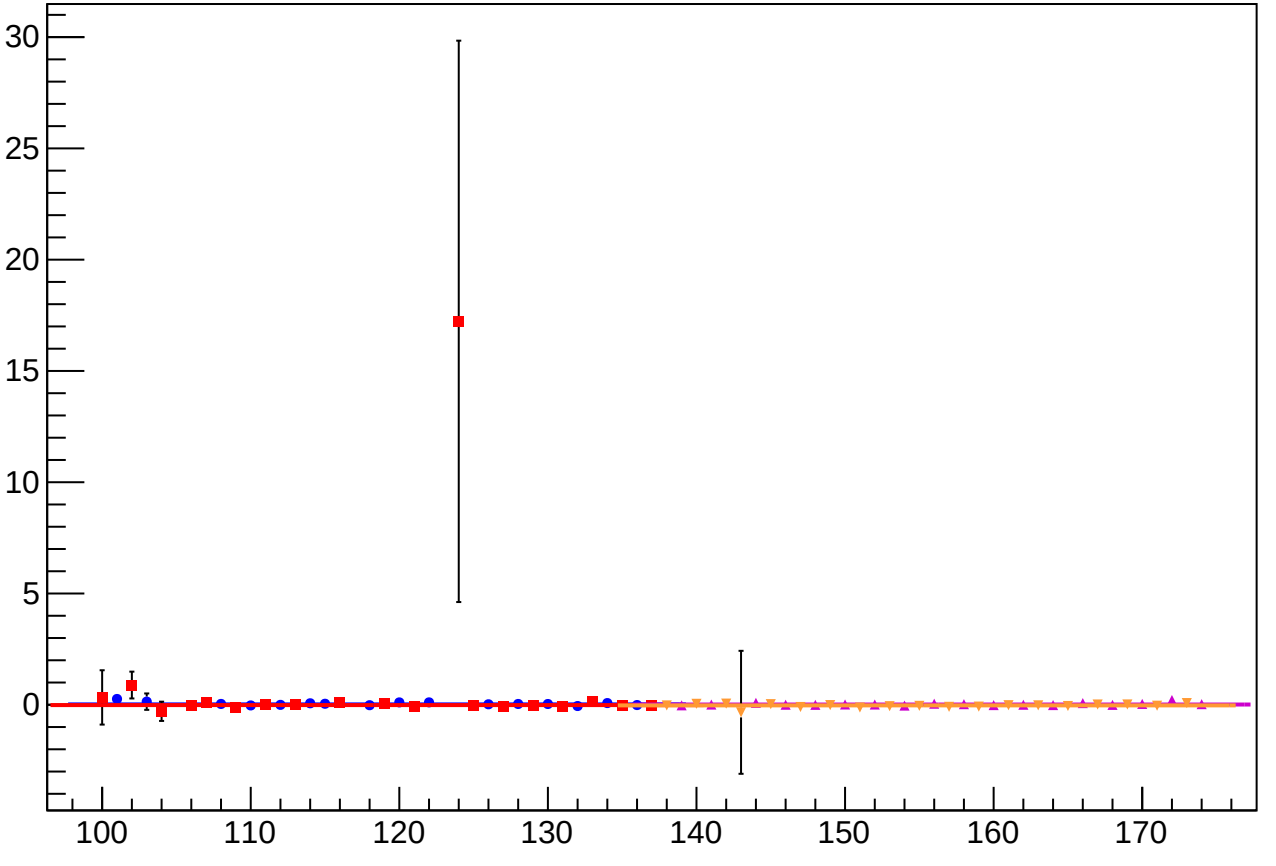
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

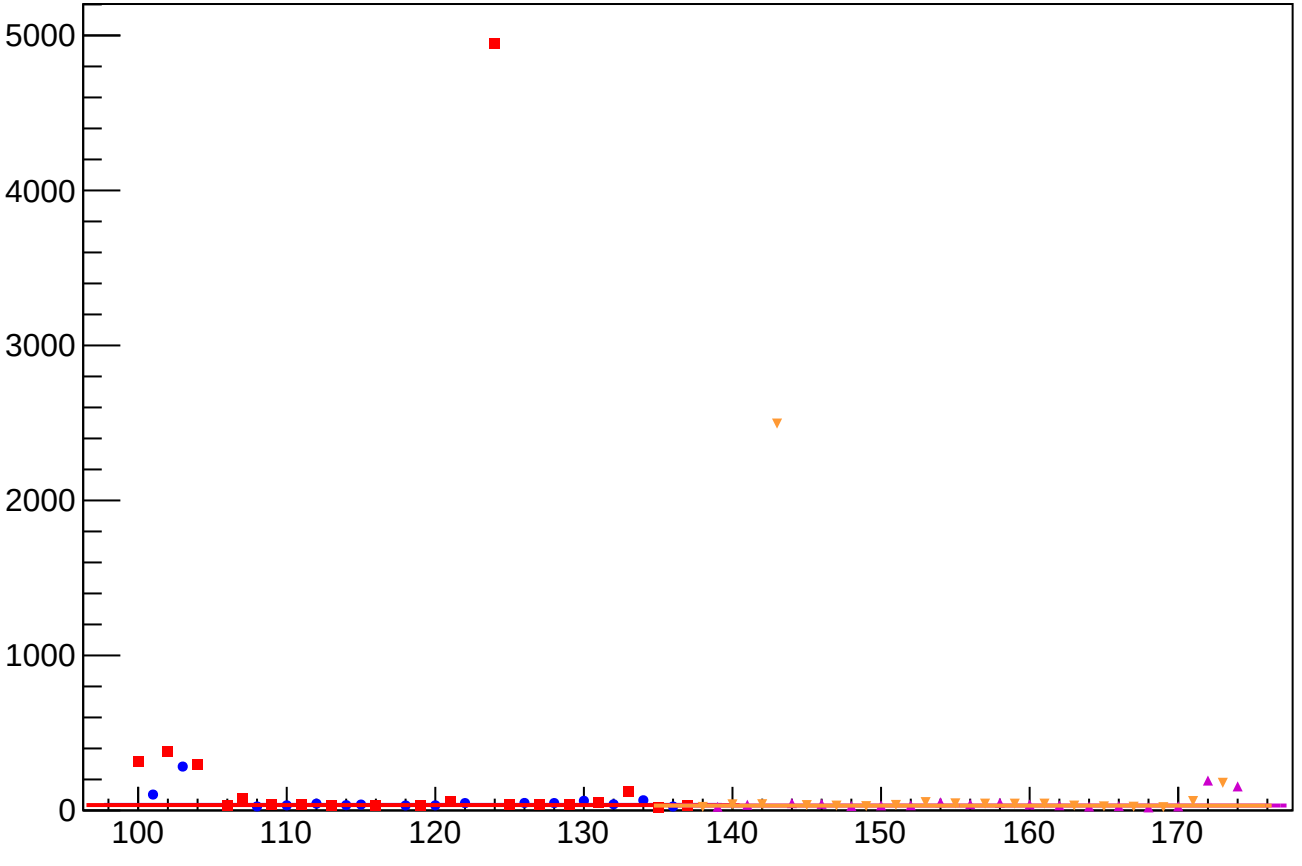
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

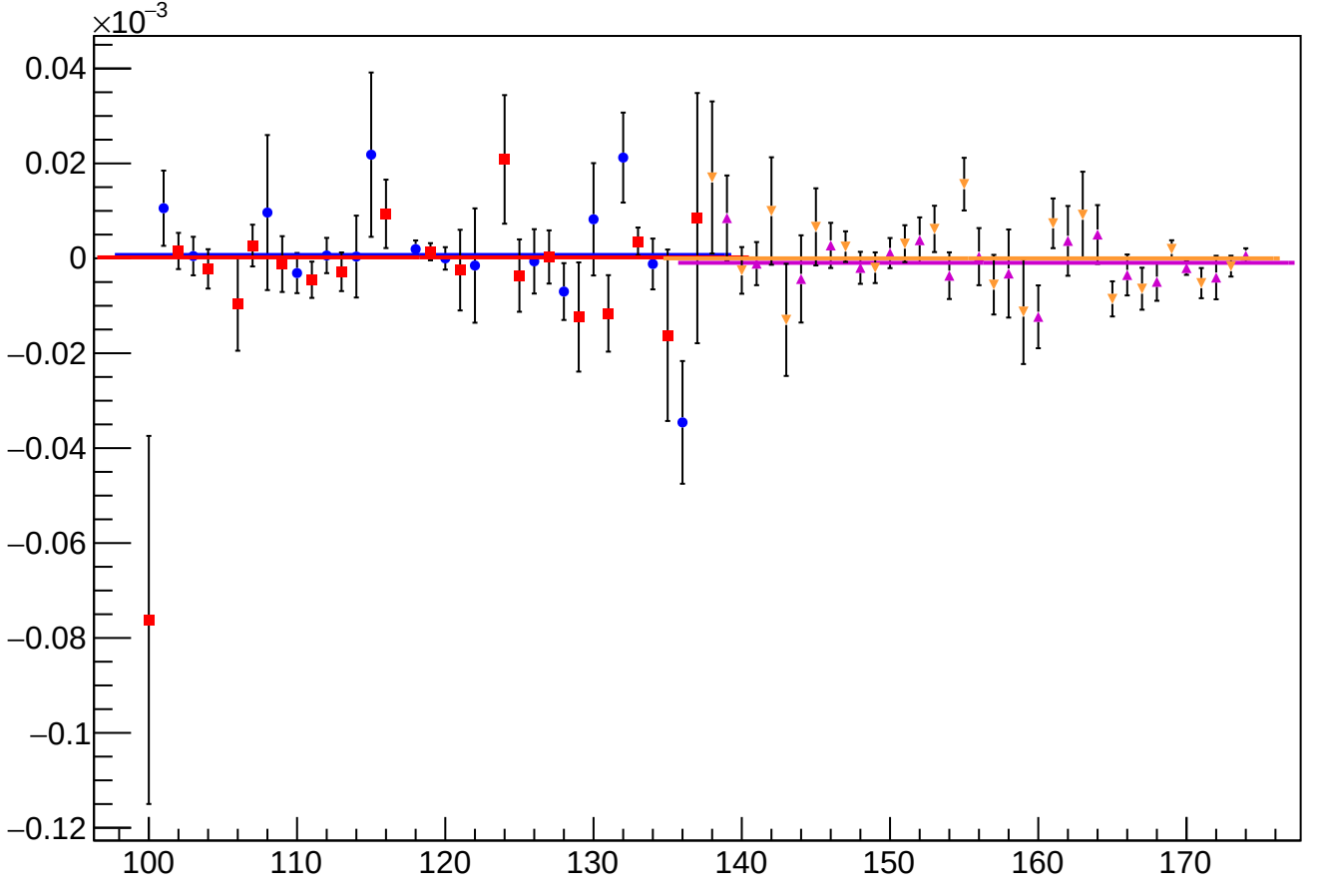
Left: 31.601+/-0.005 χ^2/NDF: 8196162.3/36

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/17

Left: -0.000+/-0.000 χ^2/NDF: 43.9/36

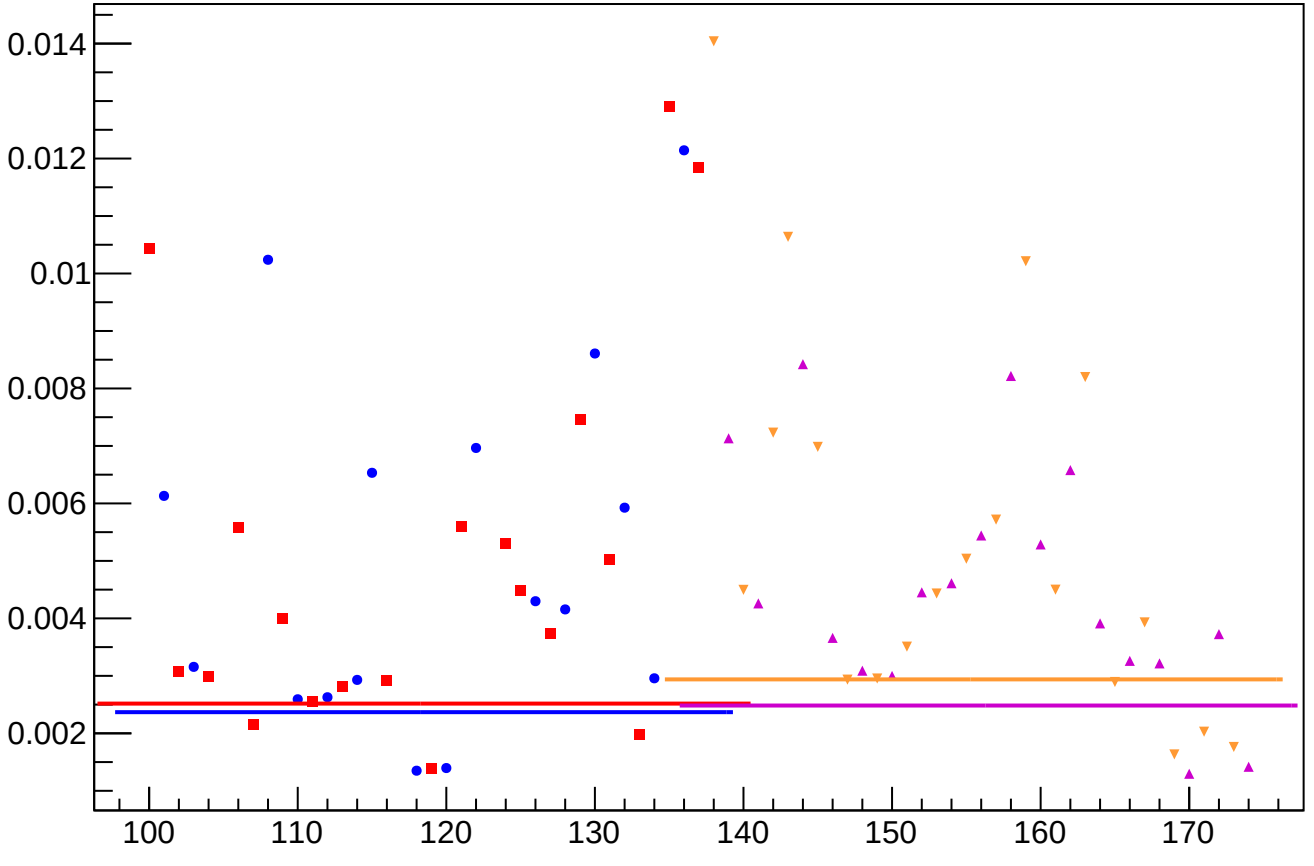
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.9/33

Out: 0.000+/-0.000 χ^2/NDF:50.0/37

All: -0.000+/-0.000 χ^2/NDF: 82.1/71

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:7277325.9/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7542382.4/17

Left: 0.003+/-0.000 χ^2/NDF: 15102765.1/36

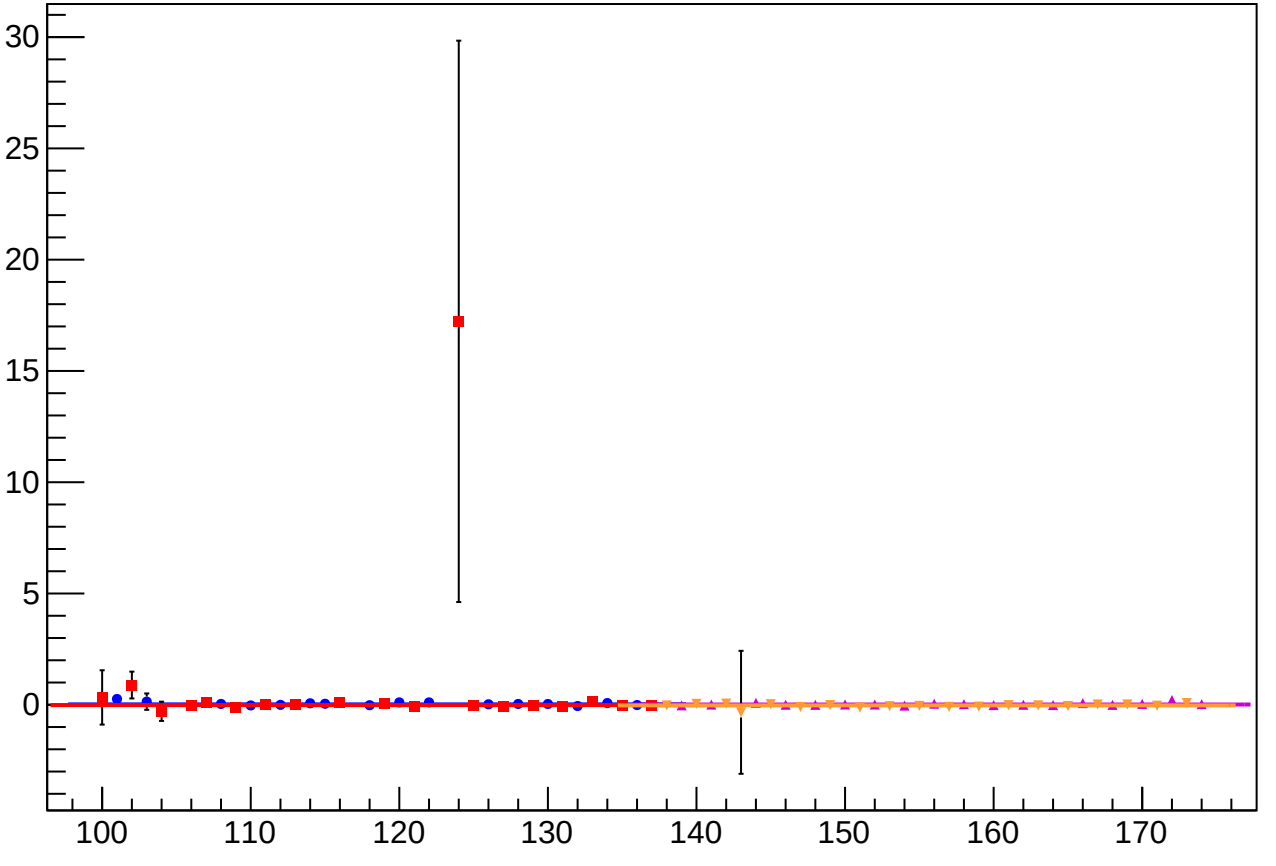
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12278271.0/33

Out: 0.003+/-0.000 χ^2/NDF:10856478.5/37

All: 0.003+/-0.000 χ^2/NDF: 23359896.1/71

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

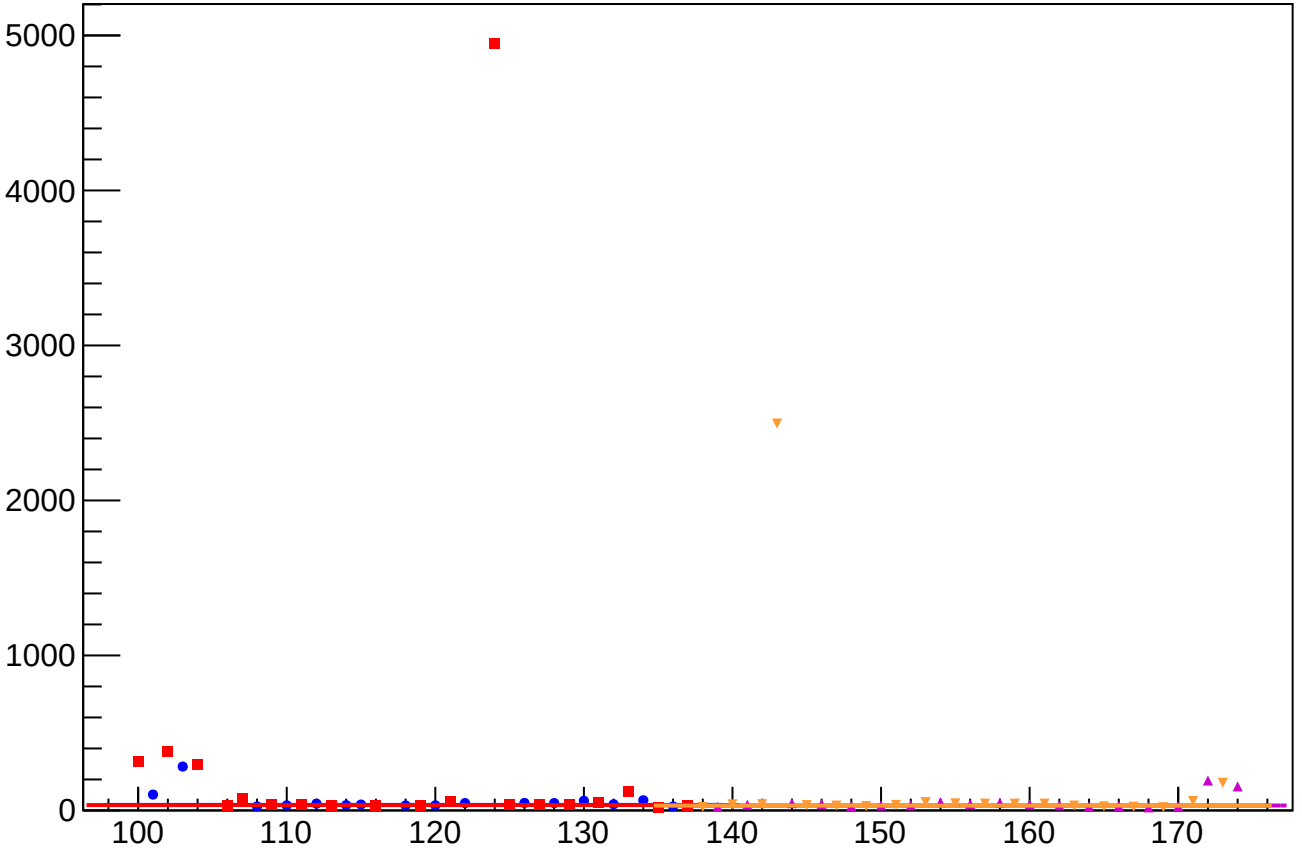
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

Left: 31.601+/-0.005 χ^2/NDF: 8196987.1/36

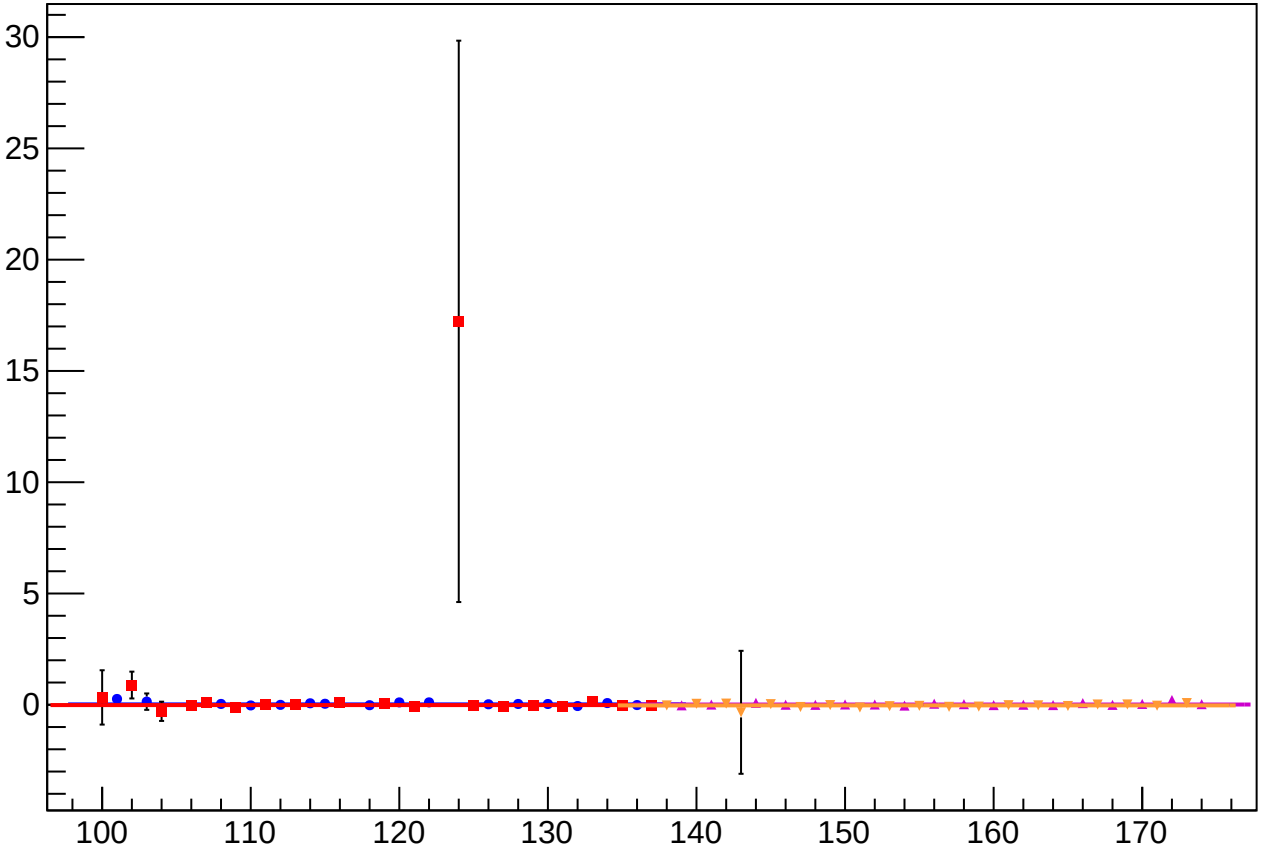
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

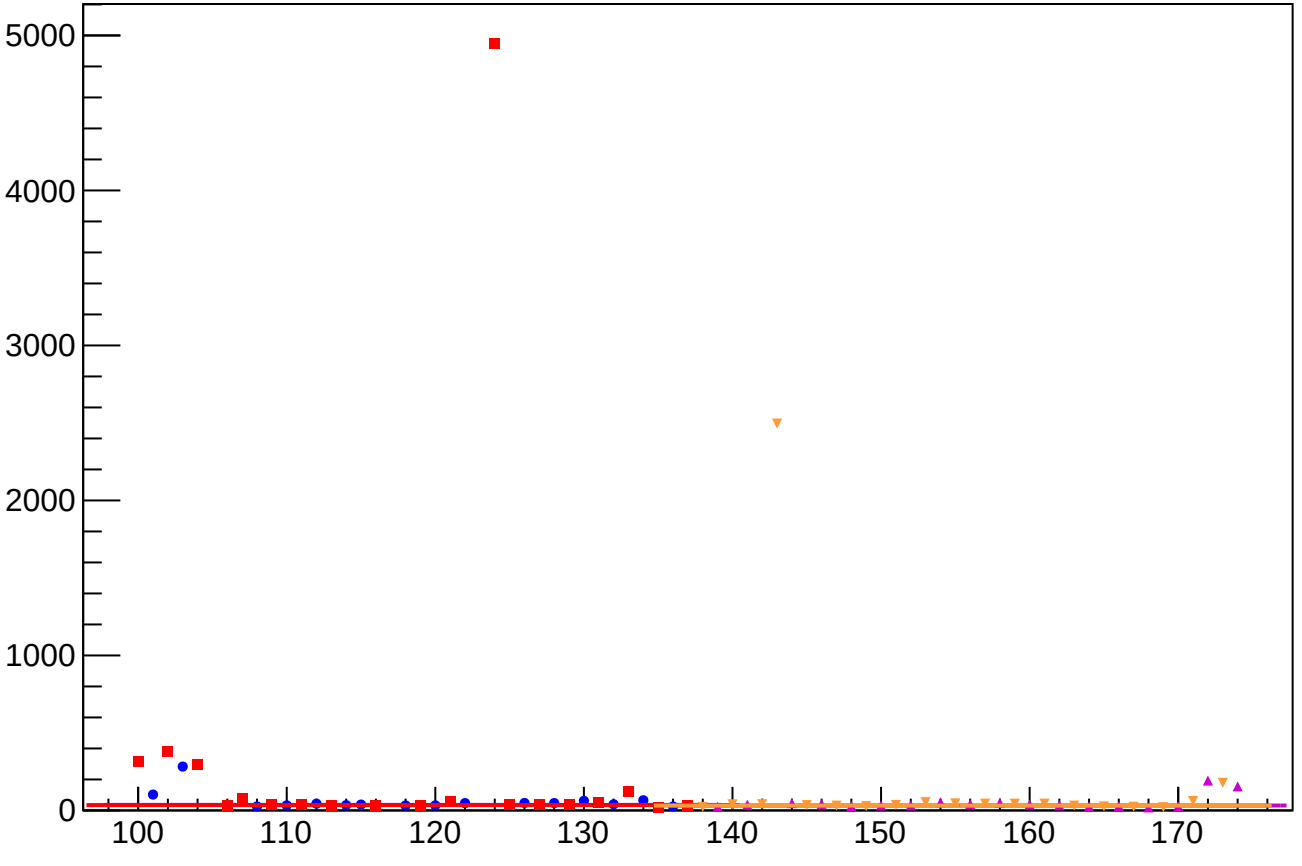
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

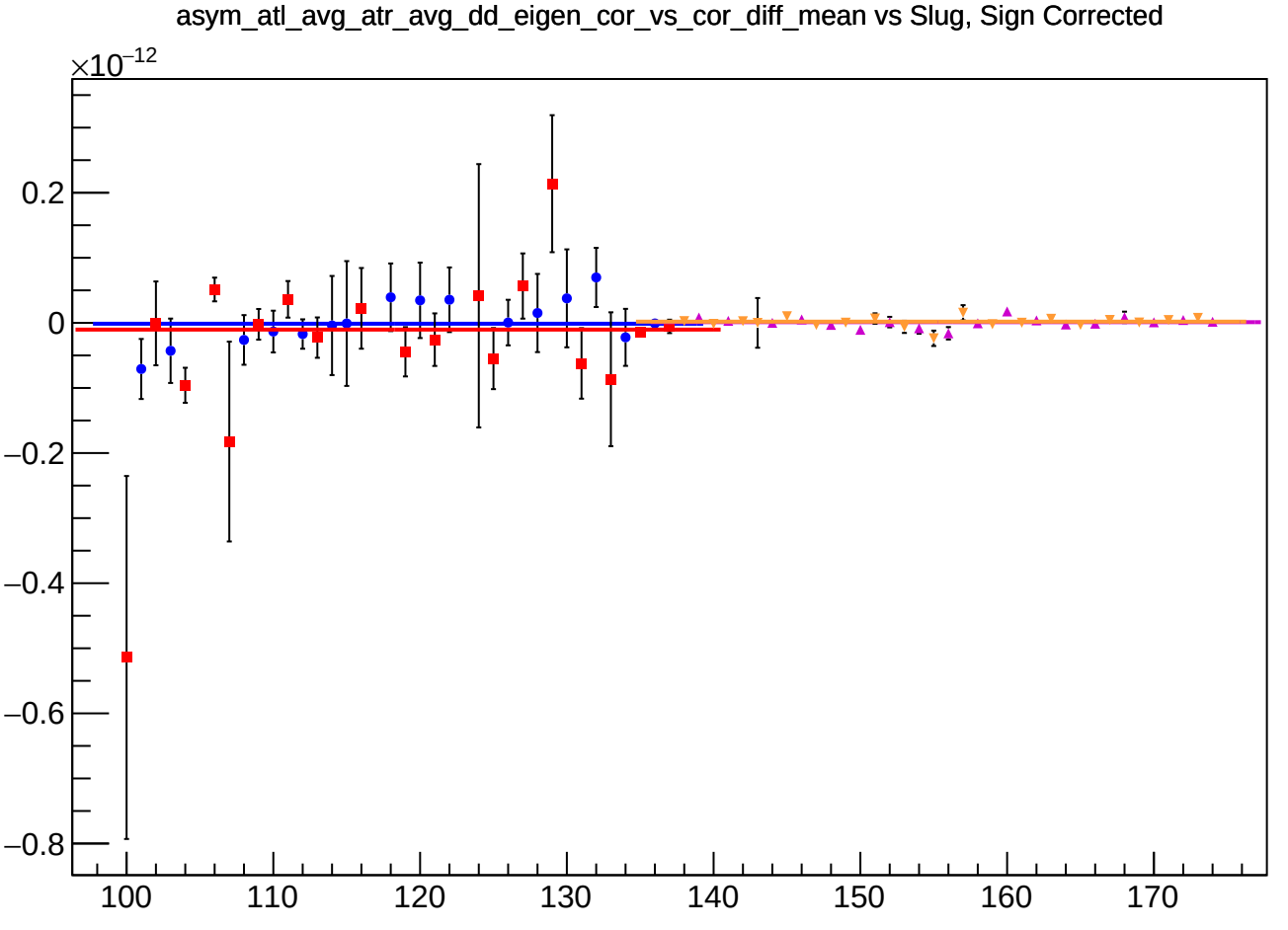
Left: 31.601+/-0.005 χ^2/NDF: 8196987.1/36

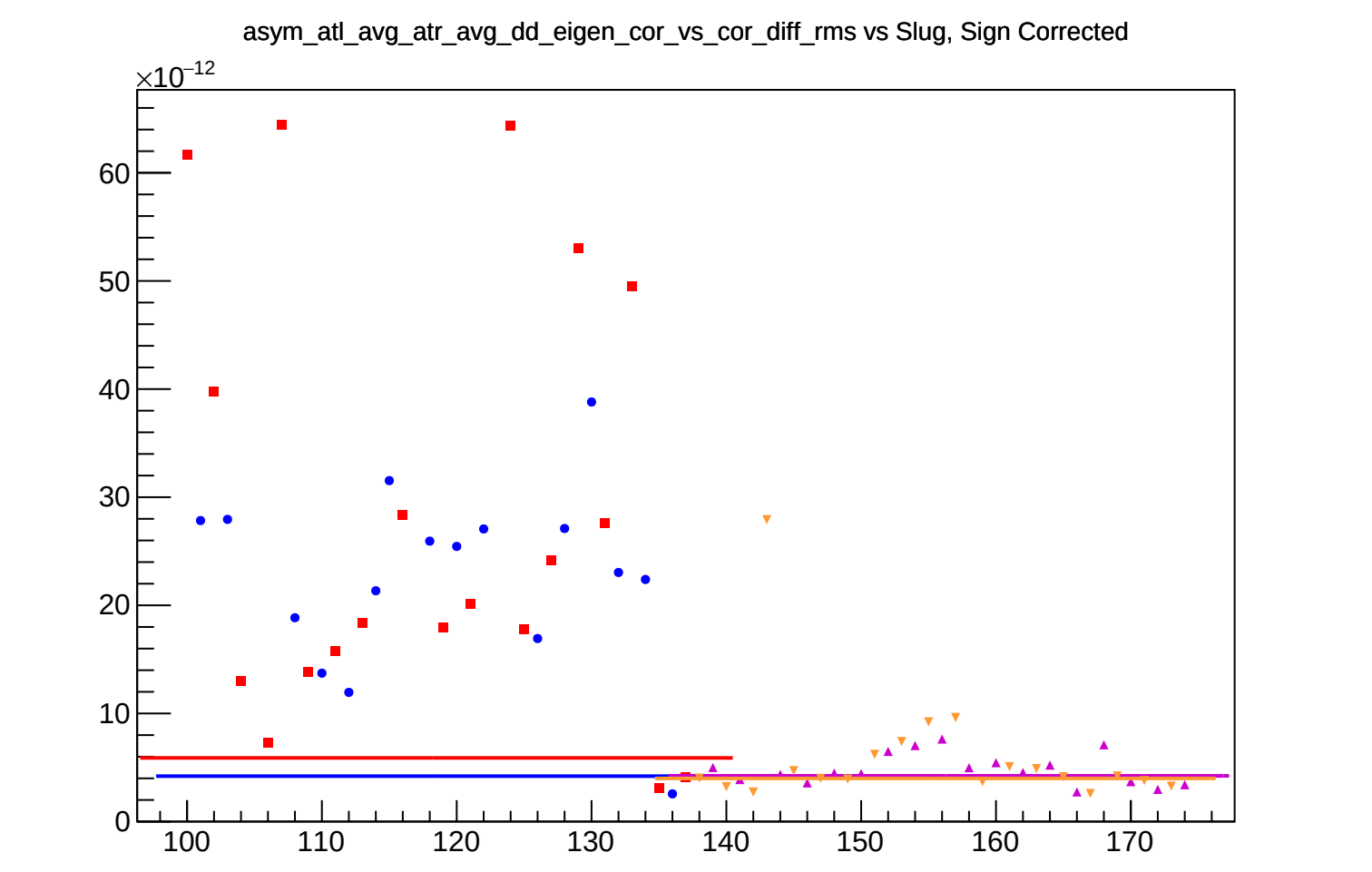
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71


asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/18
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:19.0/17
Left: 0.000+/-0.000 χ²/NDF: 33.9/36
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:28.0/33
Out: 0.000+/-0.000 χ²/NDF:62.3/37
All: 0.000+/-0.000 χ²/NDF: 90.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2714692.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

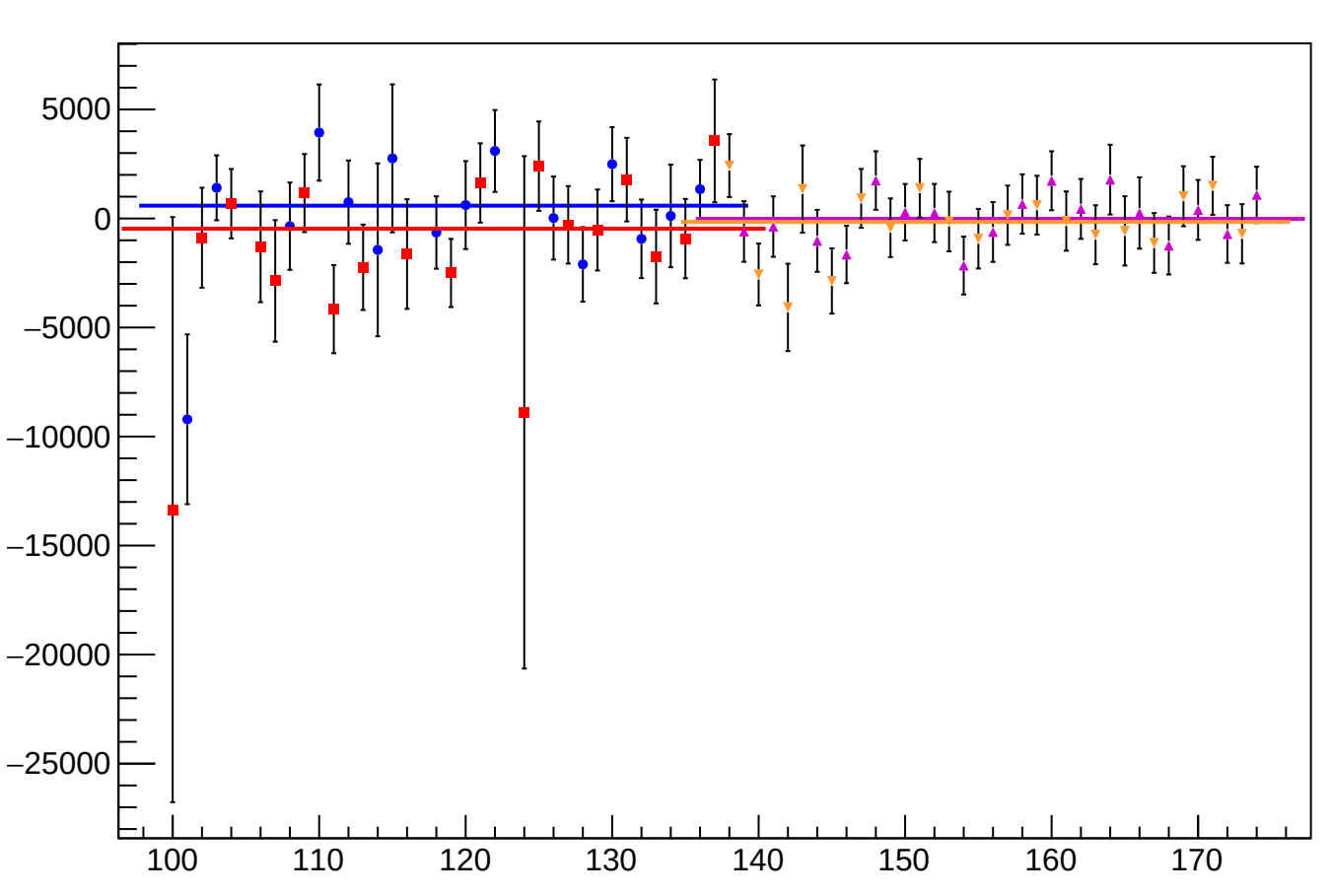
Left: 0.000+/-0.000 χ^2/NDF: 4306320.7/36

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6640563.8/33

Out: 0.000+/-0.000 χ^2/NDF:7949925.0/37

All: 0.000+/-0.000 χ^2/NDF: 14592669.0/71



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.008+/-326.275 χ^2/NDF:19.7/18

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -17.176+/-323.174 χ^2/NDF:12.2/17

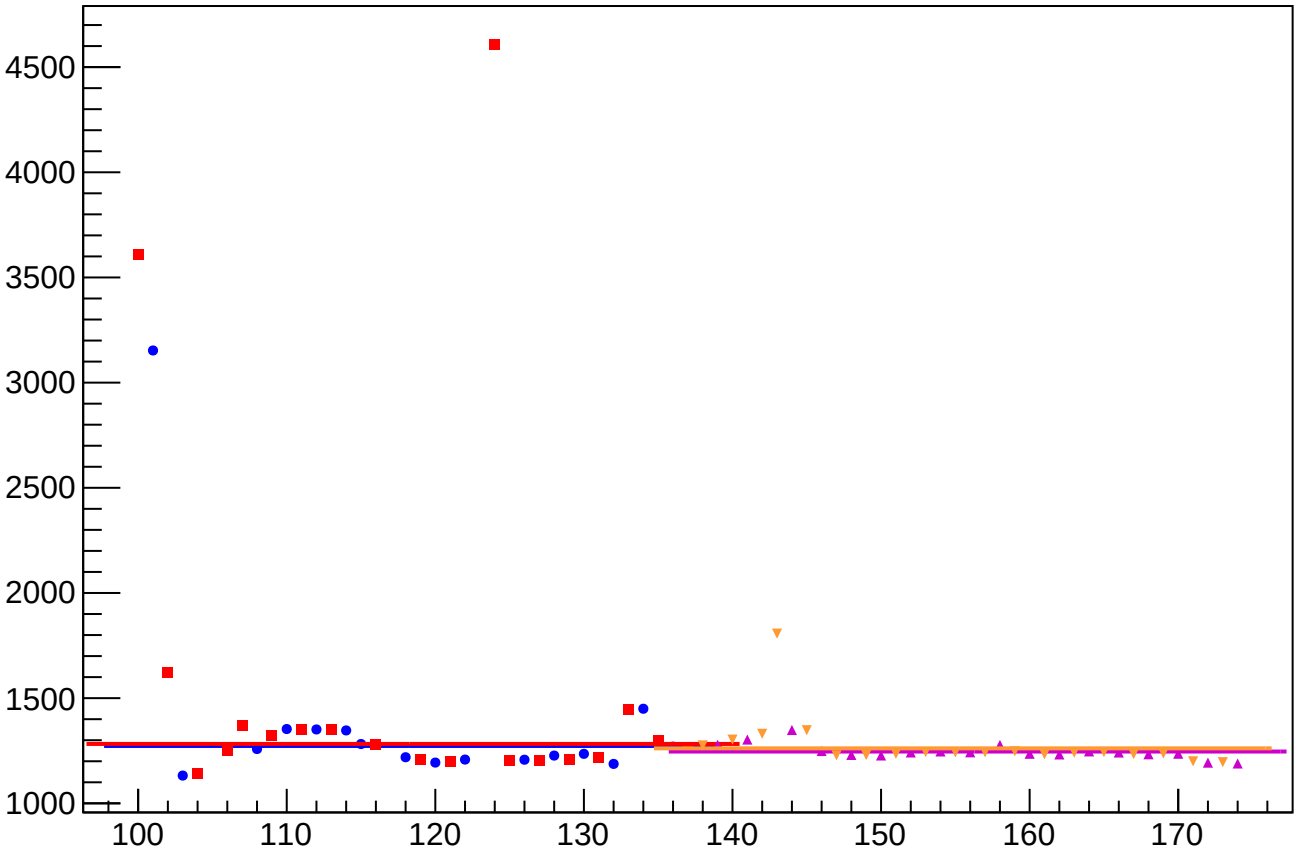
Left: -86.424+/-229.607 χ^2/NDF: 31.9/36

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 169.945+/-268.498 χ^2/NDF:30.3/33

Out: -255.465+/-269.930 χ^2/NDF:36.8/37

All: -41.629+/-190.361 χ^2/NDF: 68.4/71



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.1/18

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

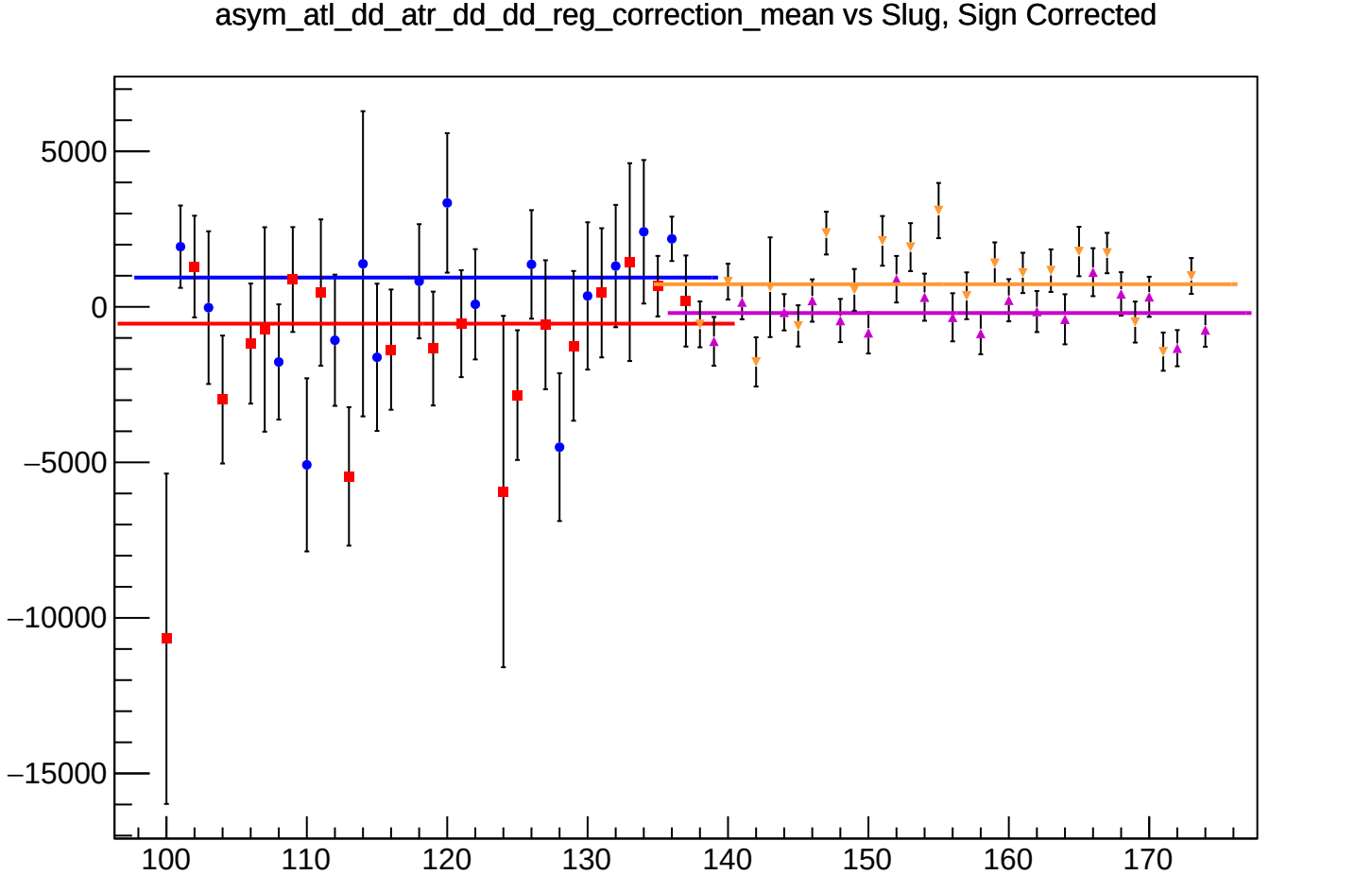
Left: 1253.732+/-0.162 χ^2/NDF: 202618.3/36

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

In: 1254.460+/-0.190 χ^2/NDF:547851.3/33

Out: 1268.003+/-0.191 χ^2/NDF:500766.2/37

All: 1261.195+/-0.135 χ^2/NDF: 1051148.1/71



Right In: 941.759+/-425.837 χ^2/NDF: 19.9/15

Left Out: 727.376+/-161.526 χ^2/NDF:57.6/18

Right Out: -540.622+/-439.905 χ^2/NDF: 17.2/18

Left In: -198.518+/-157.548 χ^2/NDF:16.2/17

Left: 252.888+/-112.784 χ^2/NDF: 90.6/36

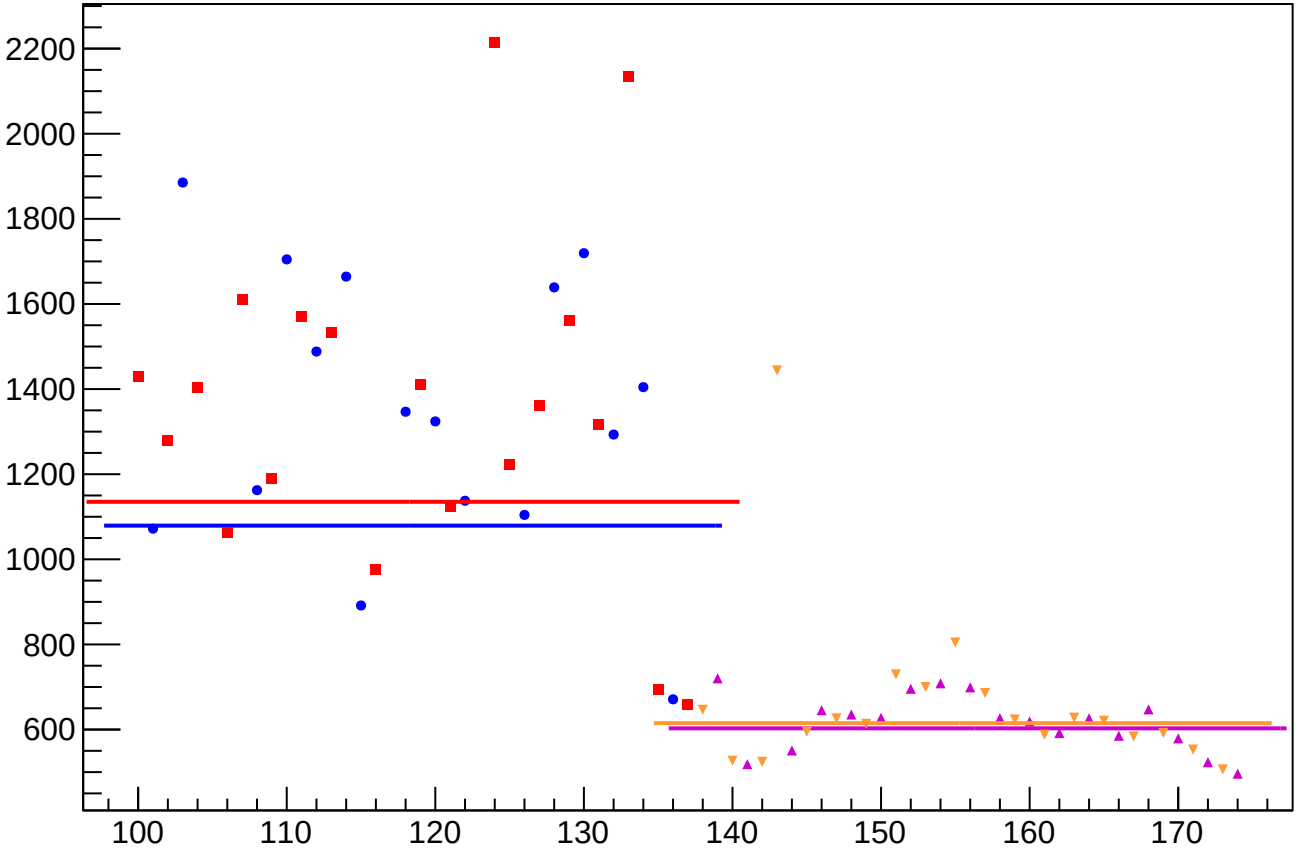
Right: 224.651+/-305.965 χ^2/NDF: 42.9/34

In: -61.228+/-147.760 χ^2/NDF:42.5/33

Out: 576.730+/-151.628 χ^2/NDF:82.0/37

All: 249.510+/-105.823 χ^2/NDF: 133.6/71

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 615.116+/-0.114 χ^2/NDF:890828.6/18

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

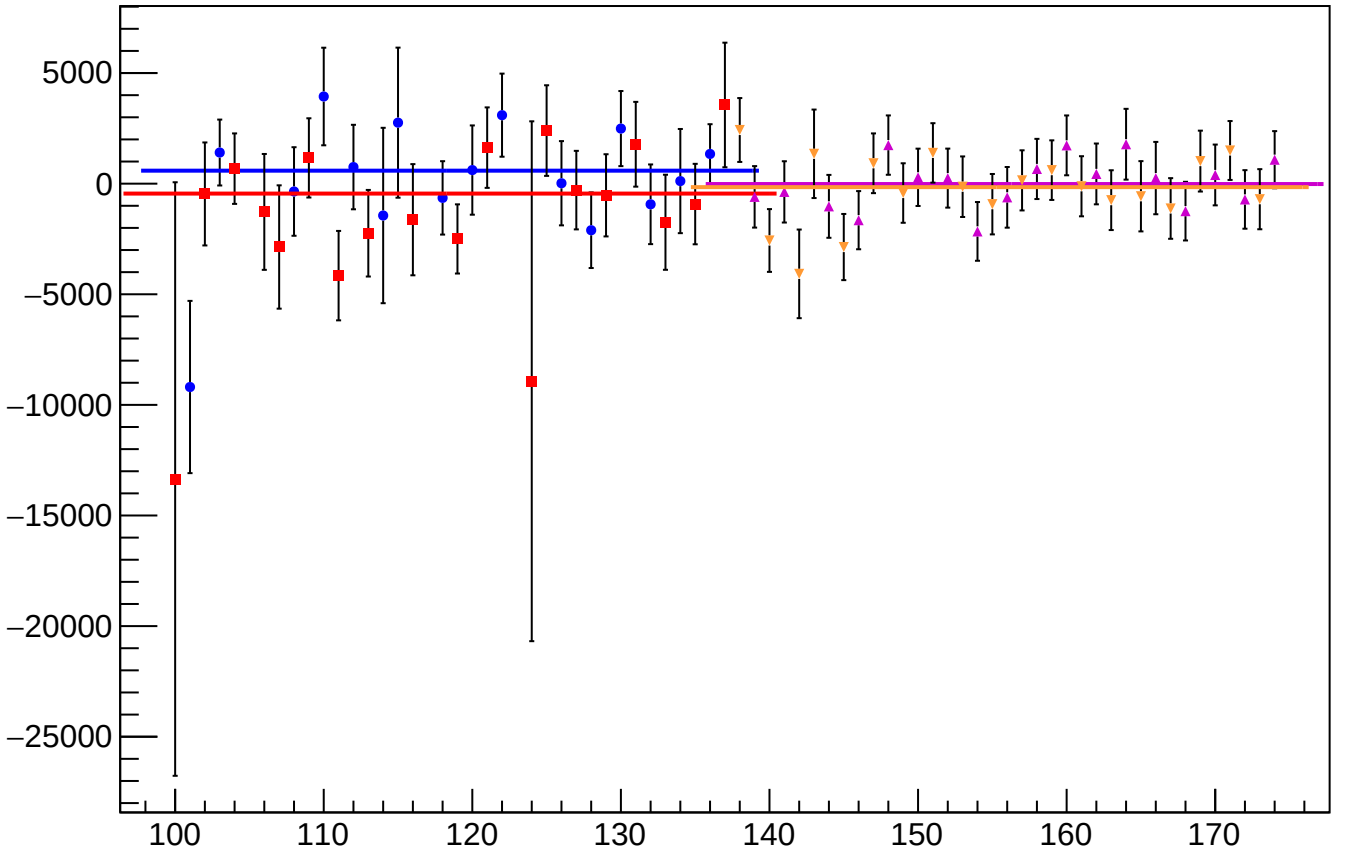
Left: 608.833+/-0.080 χ^2/NDF: 1252215.6/36

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 660.197+/-0.104 χ^2/NDF:4038237.3/33

Out: 676.901+/-0.107 χ^2/NDF:4646914.3/37

All: 668.333+/-0.075 χ^2/NDF: 8697601.2/71



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

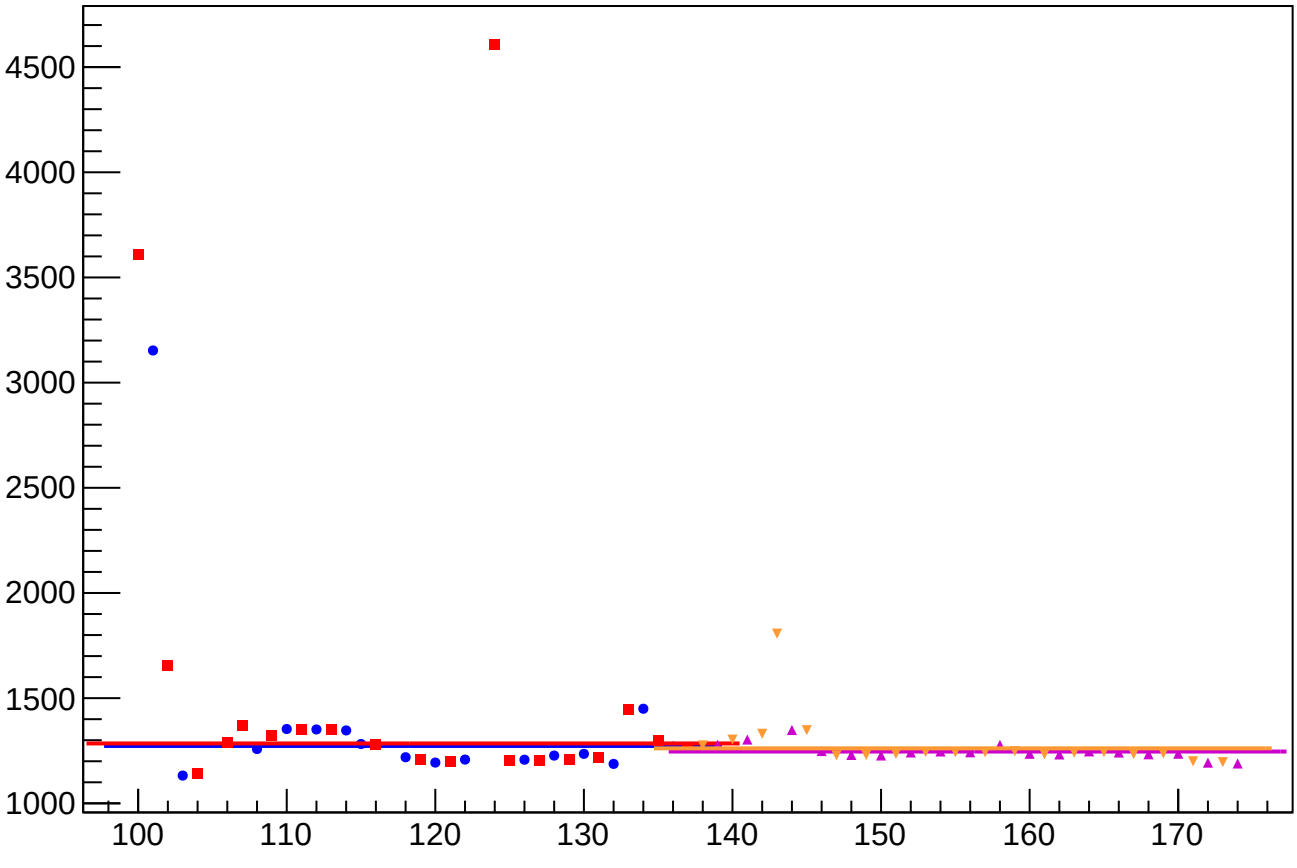
Left: -86.477+/-229.607 χ^2/NDF: 31.9/36

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -248.794+/-270.074 χ^2/NDF:36.7/37

All: -38.164+/-190.411 χ^2/NDF: 68.2/71



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.0/18

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

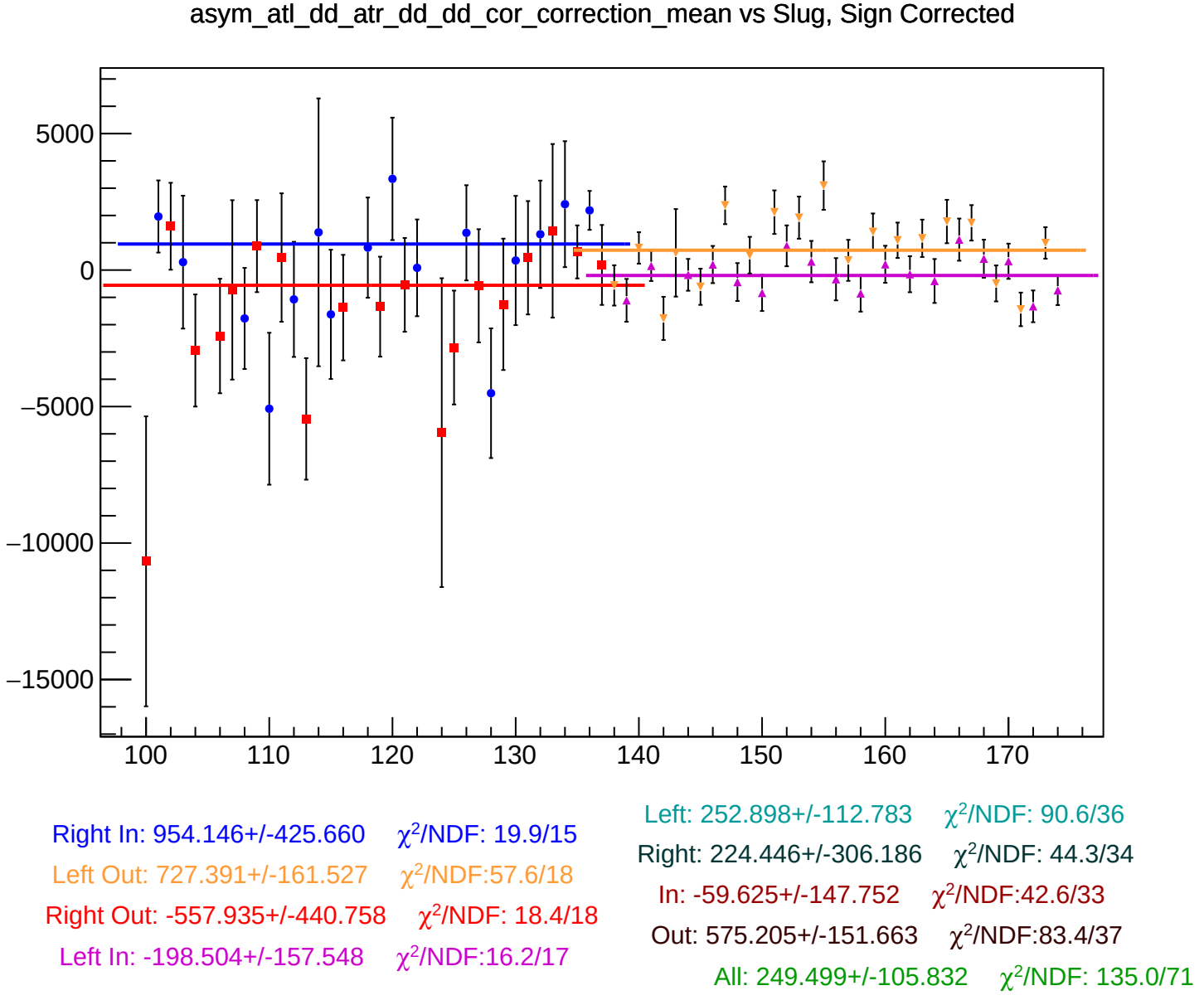
Left: 1253.732+/-0.162 χ^2/NDF: 202618.3/36

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

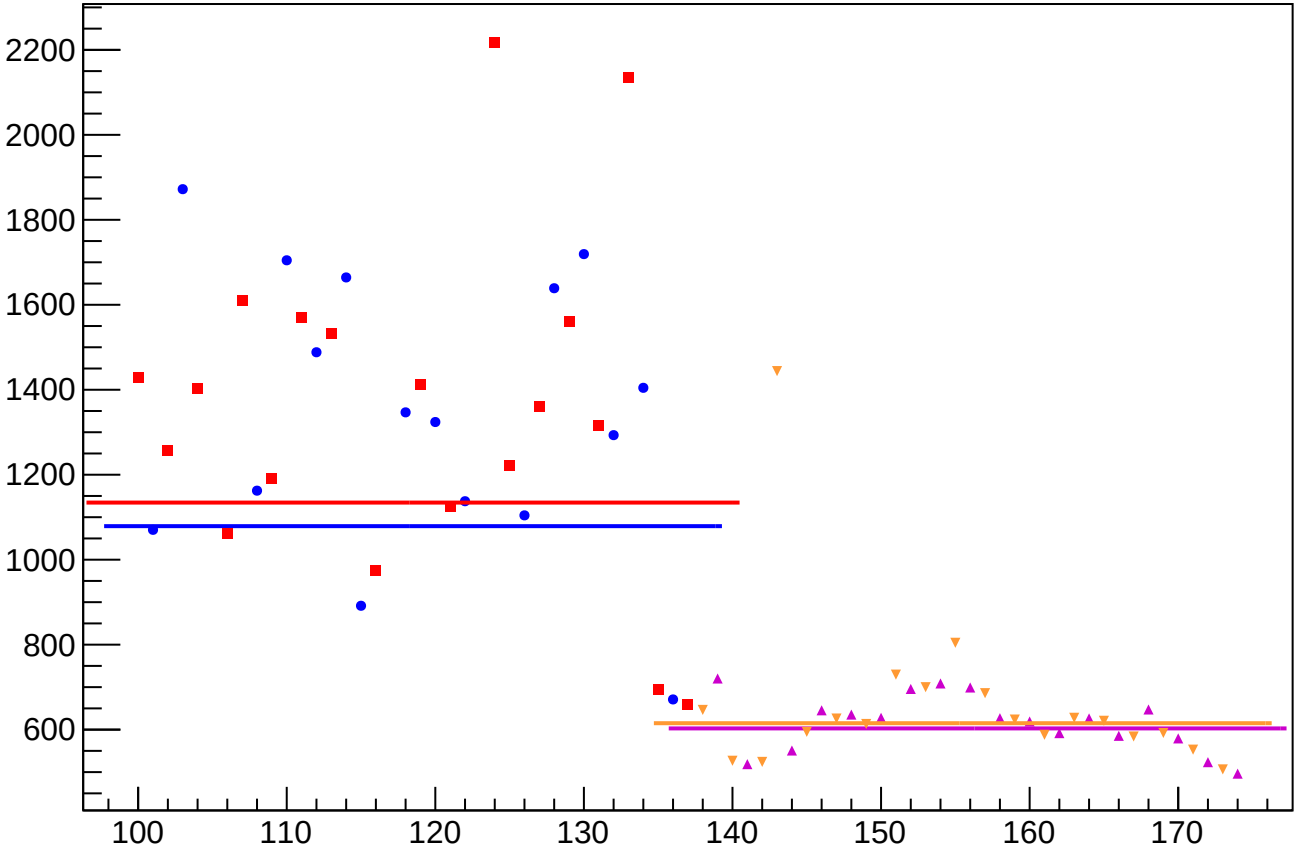
In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1268.708+/-0.191 χ^2/NDF:508015.7/37

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71


asym_atl_dd_atr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 954.146+/-425.660 χ²/NDF: 19.9/15
Left Out: 727.391+/-161.527 χ²/NDF:57.6/18
Right Out: -557.935+/-440.758 χ²/NDF: 18.4/18
Left In: -198.504+/-157.548 χ²/NDF:16.2/17
Left: 252.898+/-112.783 χ²/NDF: 90.6/36
Right: 224.446+/-306.186 χ²/NDF: 44.3/34
In: -59.625+/-147.752 χ²/NDF:42.6/33
Out: 575.205+/-151.663 χ²/NDF:83.4/37
All: 249.499+/-105.832 χ²/NDF: 135.0/71

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

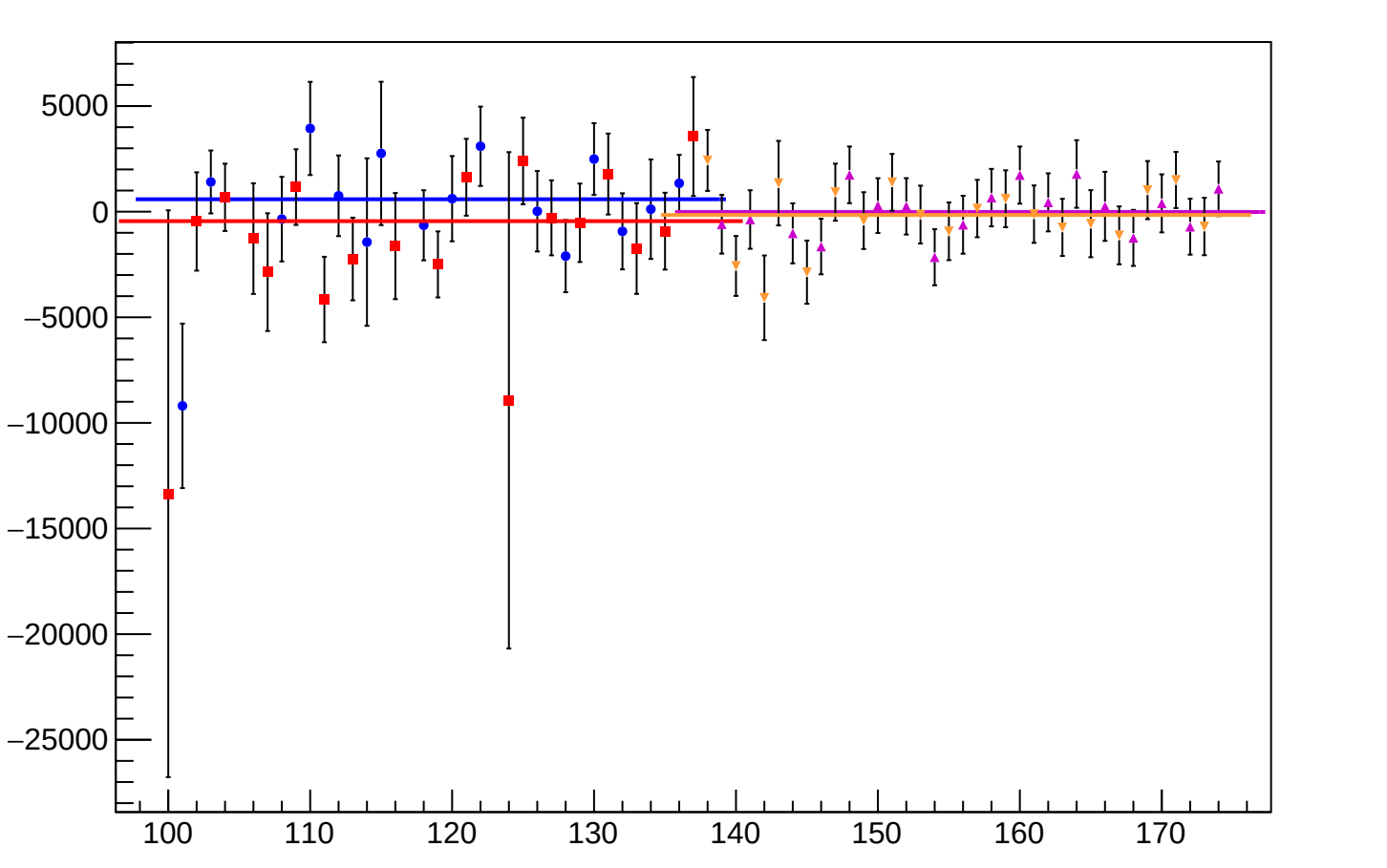
Left: 608.832+/-0.080 χ^2/NDF: 1252195.4/36

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

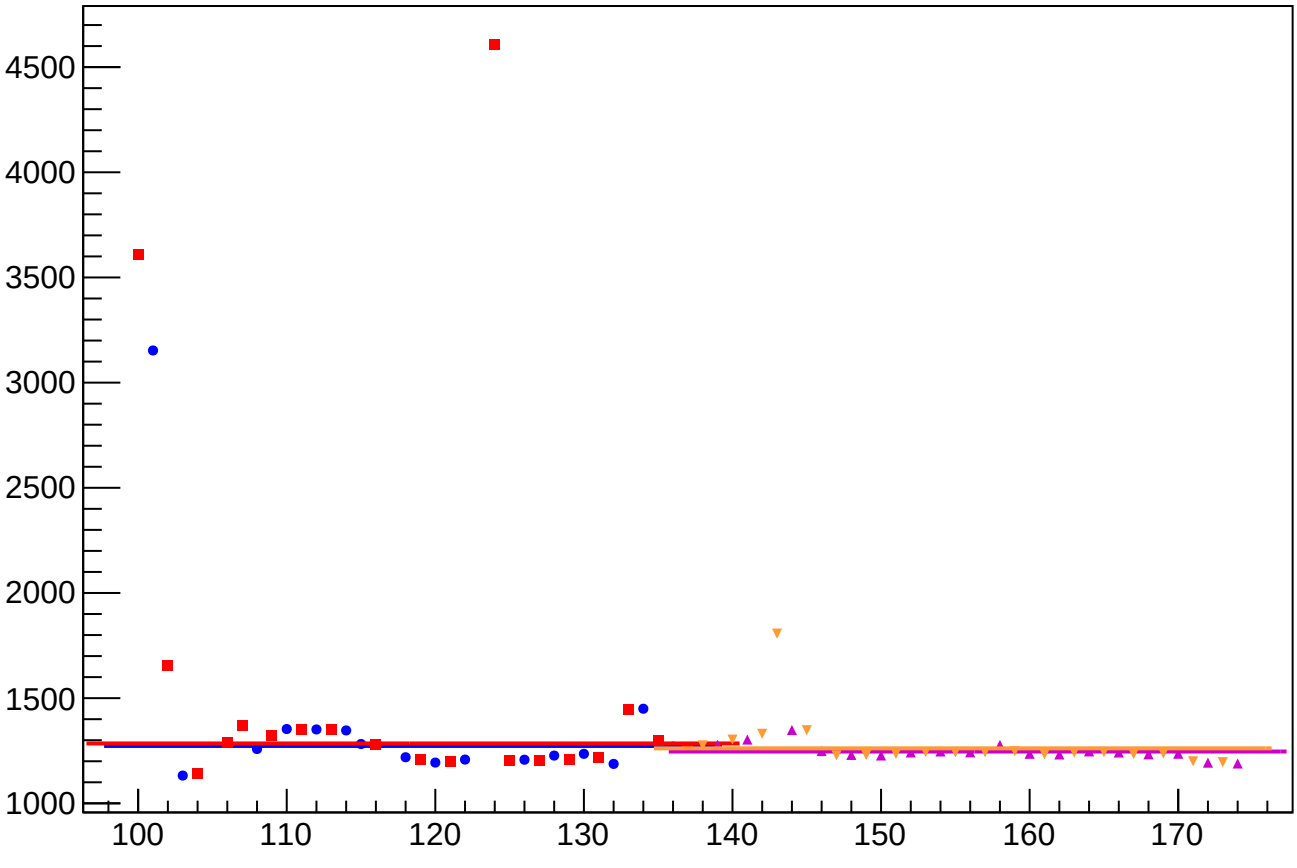
Left: -86.477+/-229.607 χ^2/NDF: 31.9/36

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -248.794+/-270.074 χ^2/NDF:36.7/37

All: -38.164+/-190.411 χ^2/NDF: 68.2/71



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.0/18

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

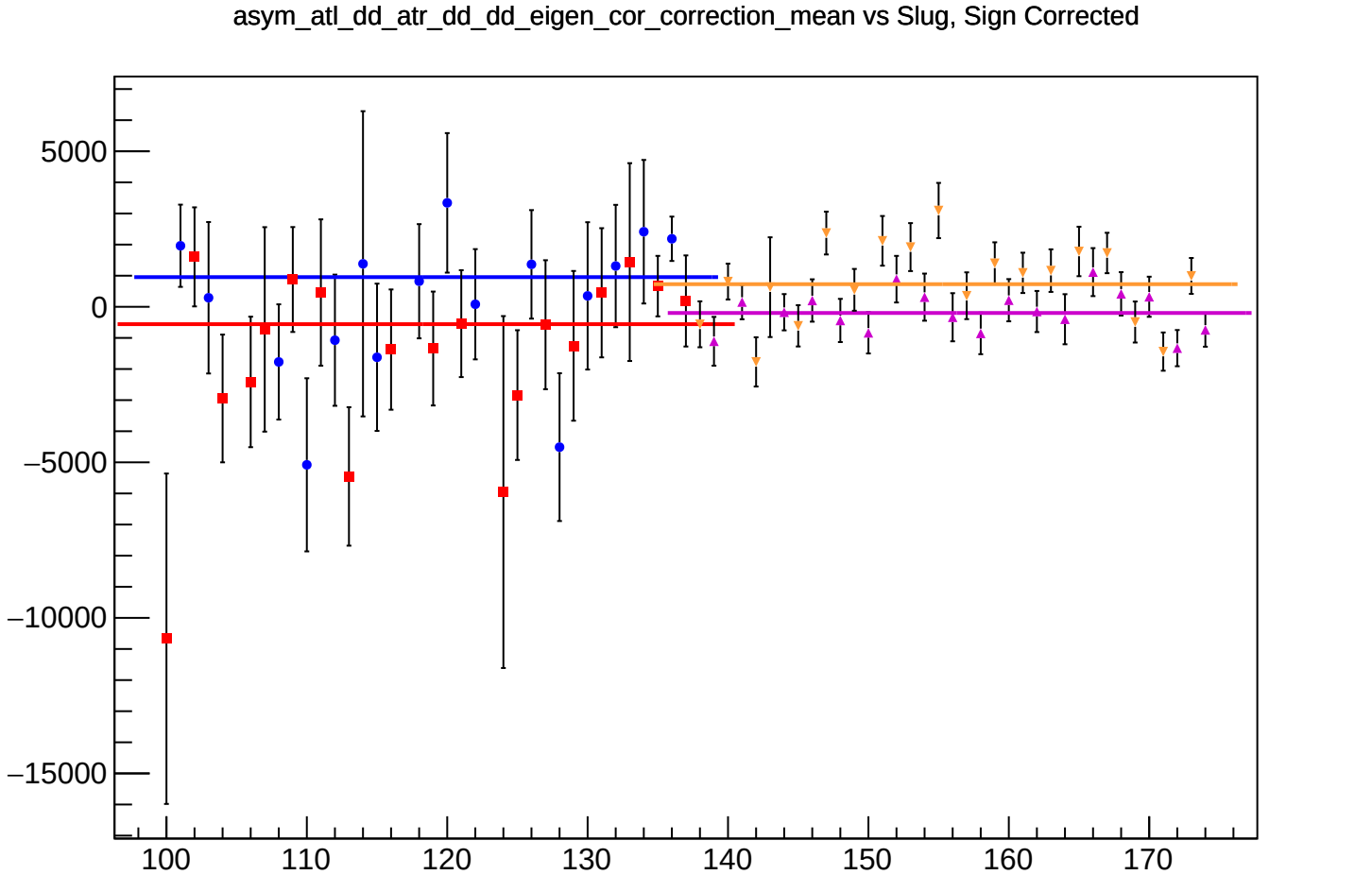
Left: 1253.732+/-0.162 χ^2/NDF: 202618.3/36

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1268.708+/-0.191 χ^2/NDF:508015.7/37

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 727.391+/-161.527 χ^2/NDF:57.6/18

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -198.504+/-157.548 χ^2/NDF:16.2/17

Left: 252.898+/-112.783 χ^2/NDF: 90.6/36

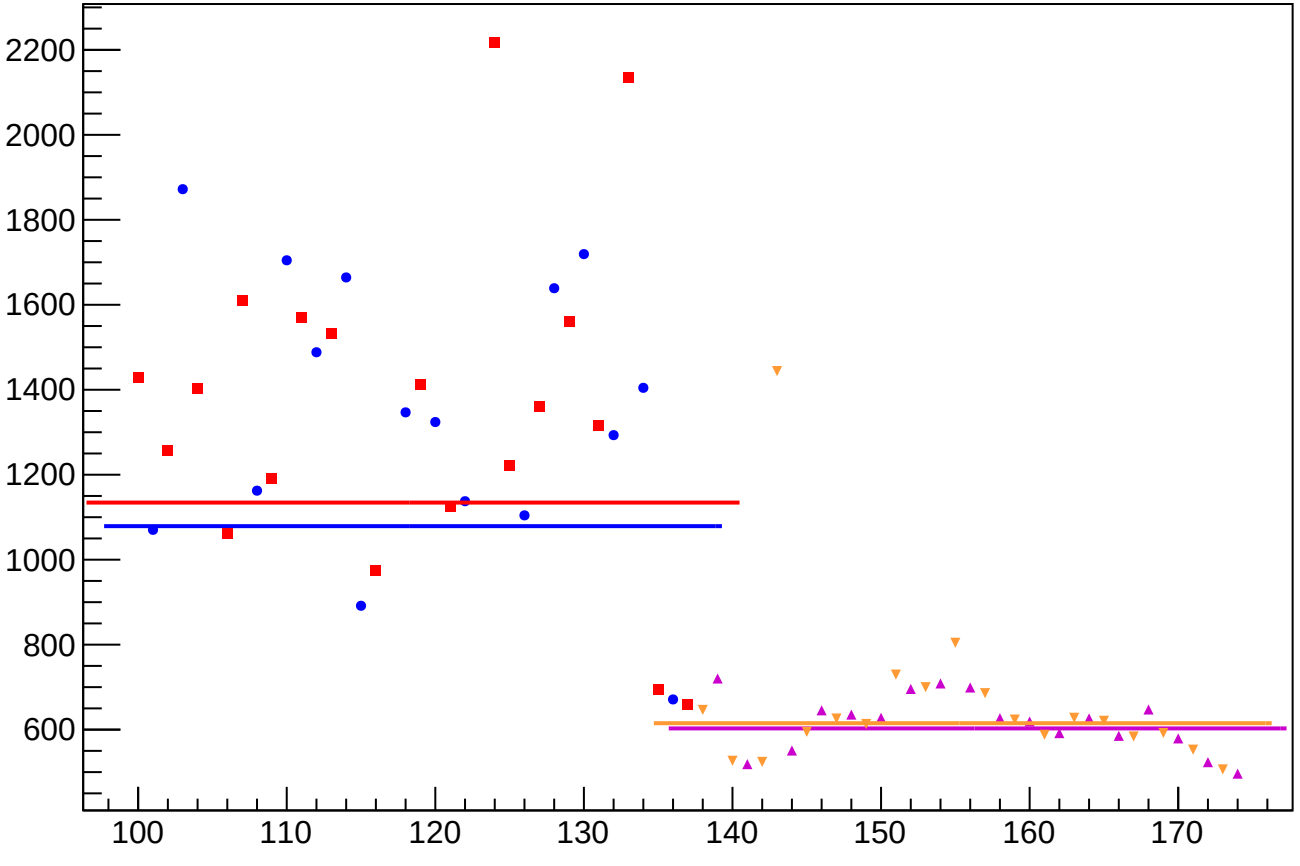
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -59.625+/-147.752 χ^2/NDF:42.6/33

Out: 575.205+/-151.663 χ^2/NDF:83.4/37

All: 249.499+/-105.832 χ^2/NDF: 135.0/71

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

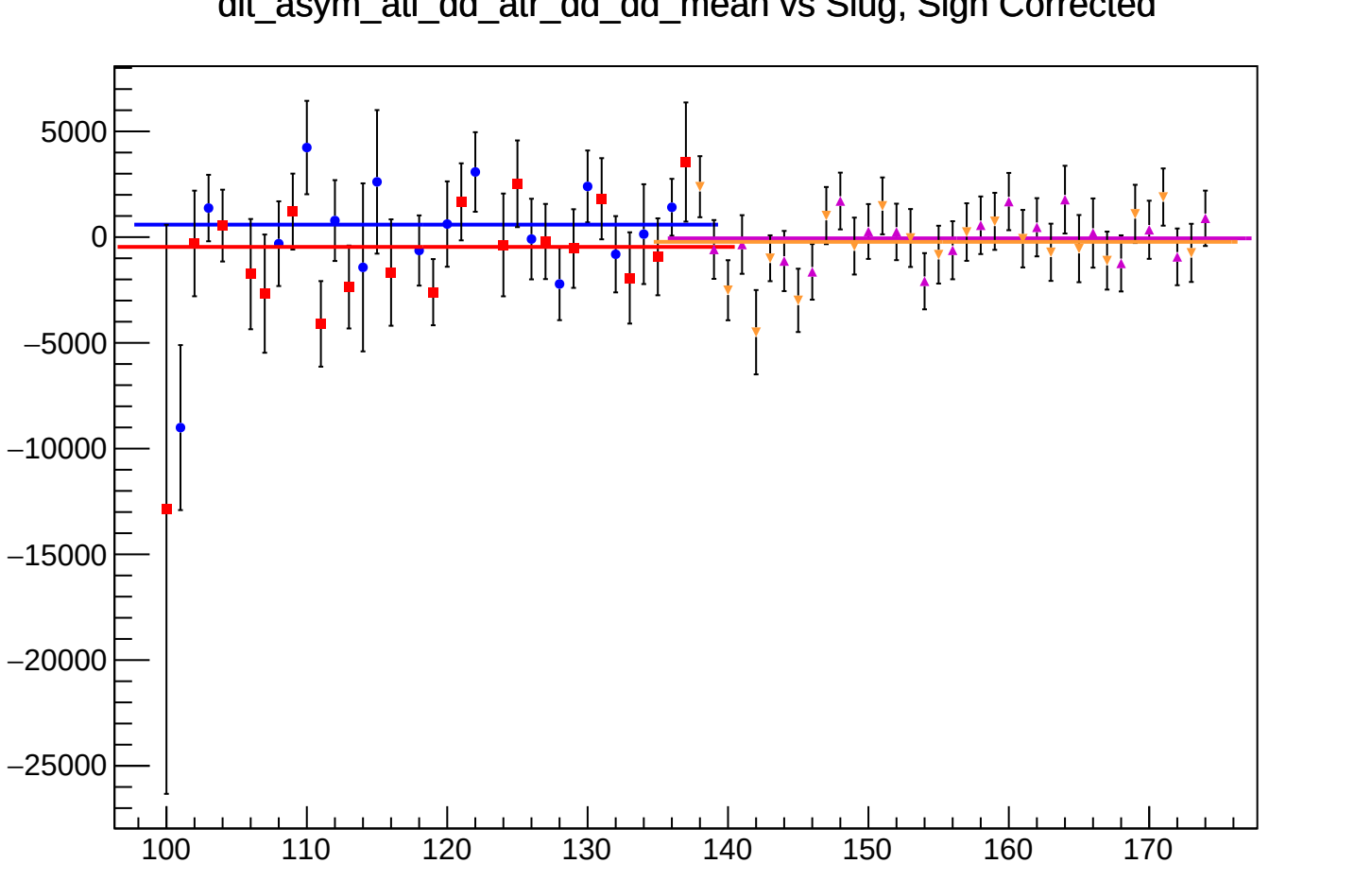
Left: 608.832+/-0.080 χ^2/NDF: 1252195.4/36

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.507+/-316.961 χ^2/NDF:21.8/18

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.172+/-323.922 χ^2/NDF:11.7/17

Left: -141.635+/-226.546 χ^2/NDF: 33.7/36

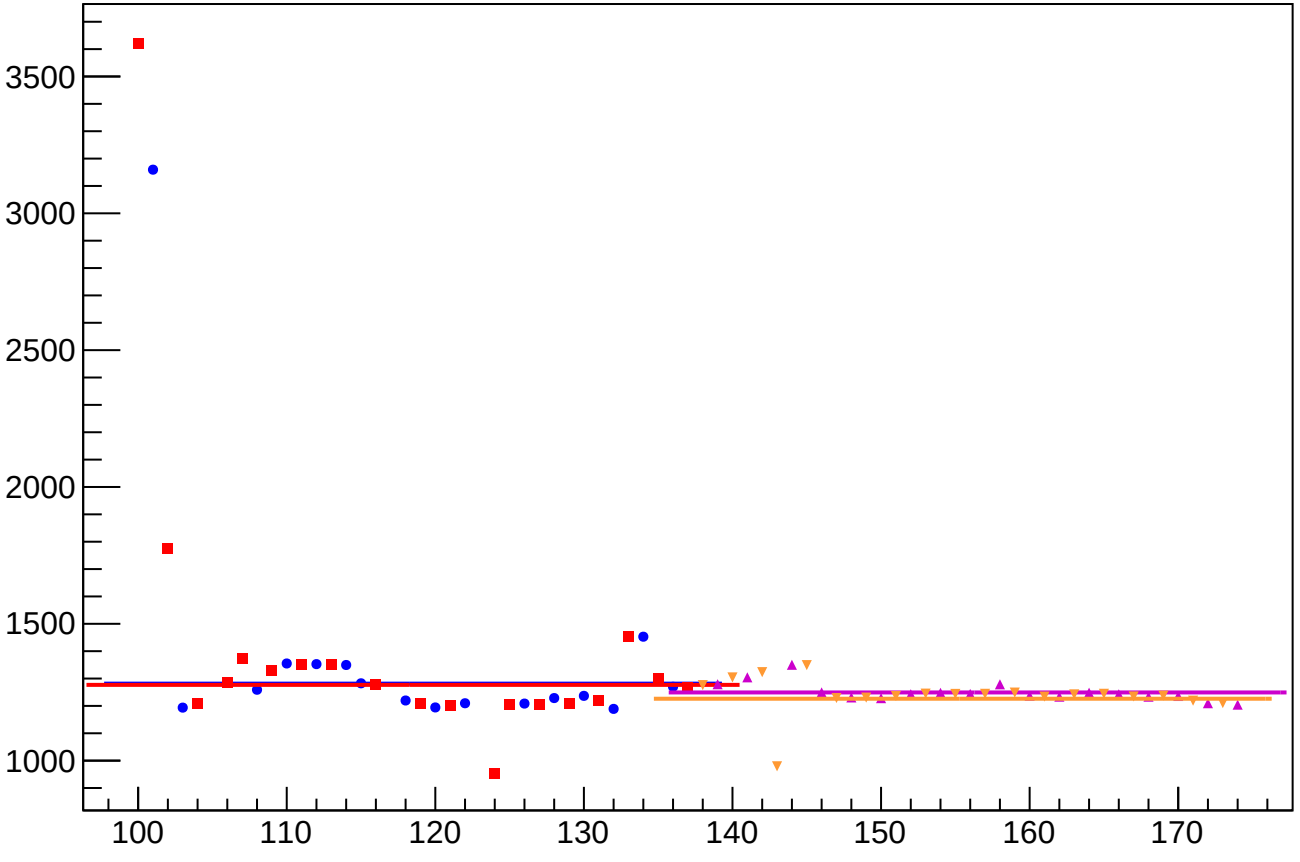
Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 142.284+/-269.451 χ^2/NDF:30.0/33

Out: -296.093+/-263.958 χ^2/NDF:38.7/37

All: -81.419+/-188.558 χ^2/NDF: 70.1/71

dit_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133257.1/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

Left: 1237.448+/-0.160 χ^2/NDF: 159451.1/36

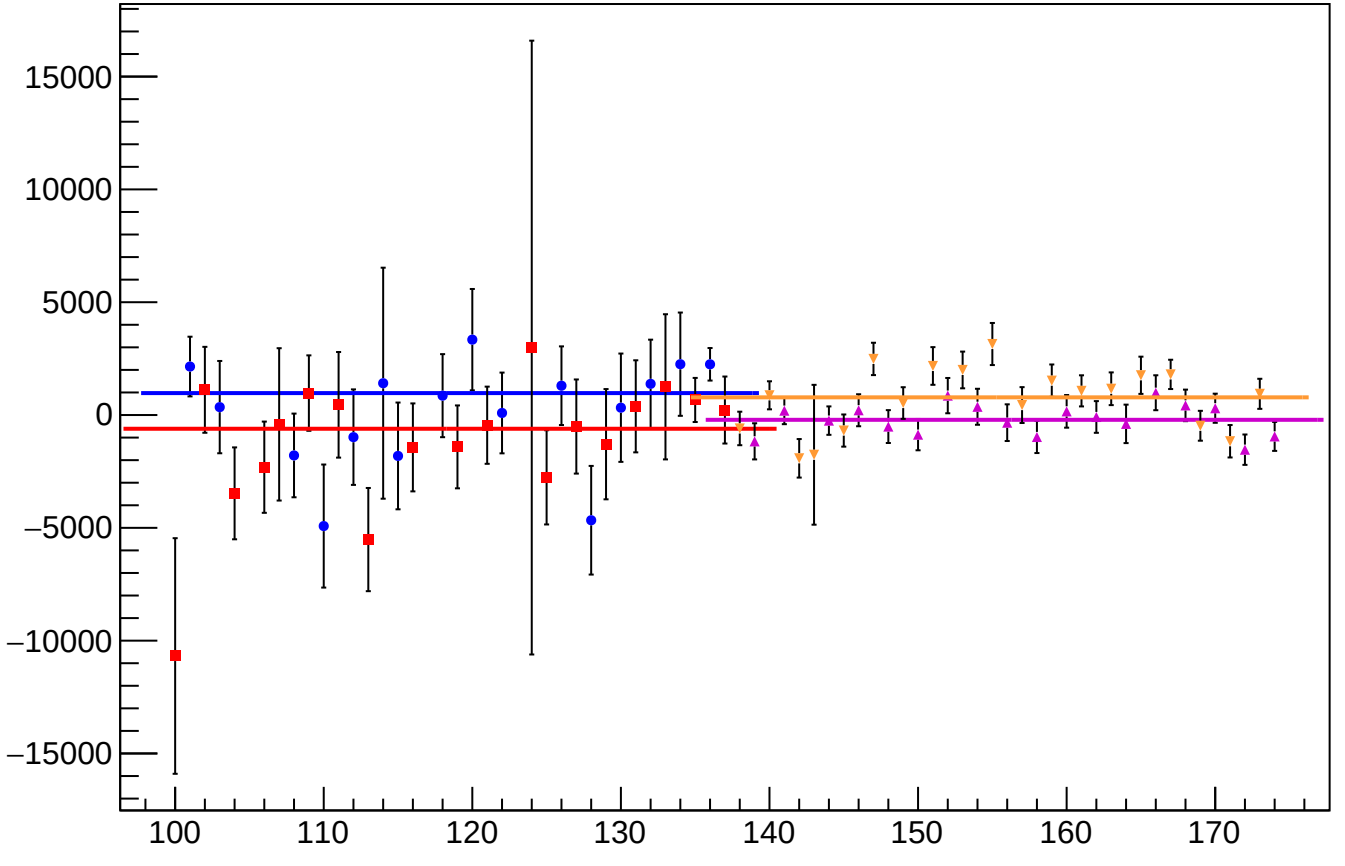
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.093+/-0.191 χ^2/NDF:534224.5/33

Out: 1241.739+/-0.187 χ^2/NDF:369418.4/37

All: 1250.238+/-0.133 χ^2/NDF: 907876.6/71

asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 783.600+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -212.114+/-167.661 χ^2/NDF:16.3/17

Left: 272.737+/-120.093 χ^2/NDF: 85.6/36

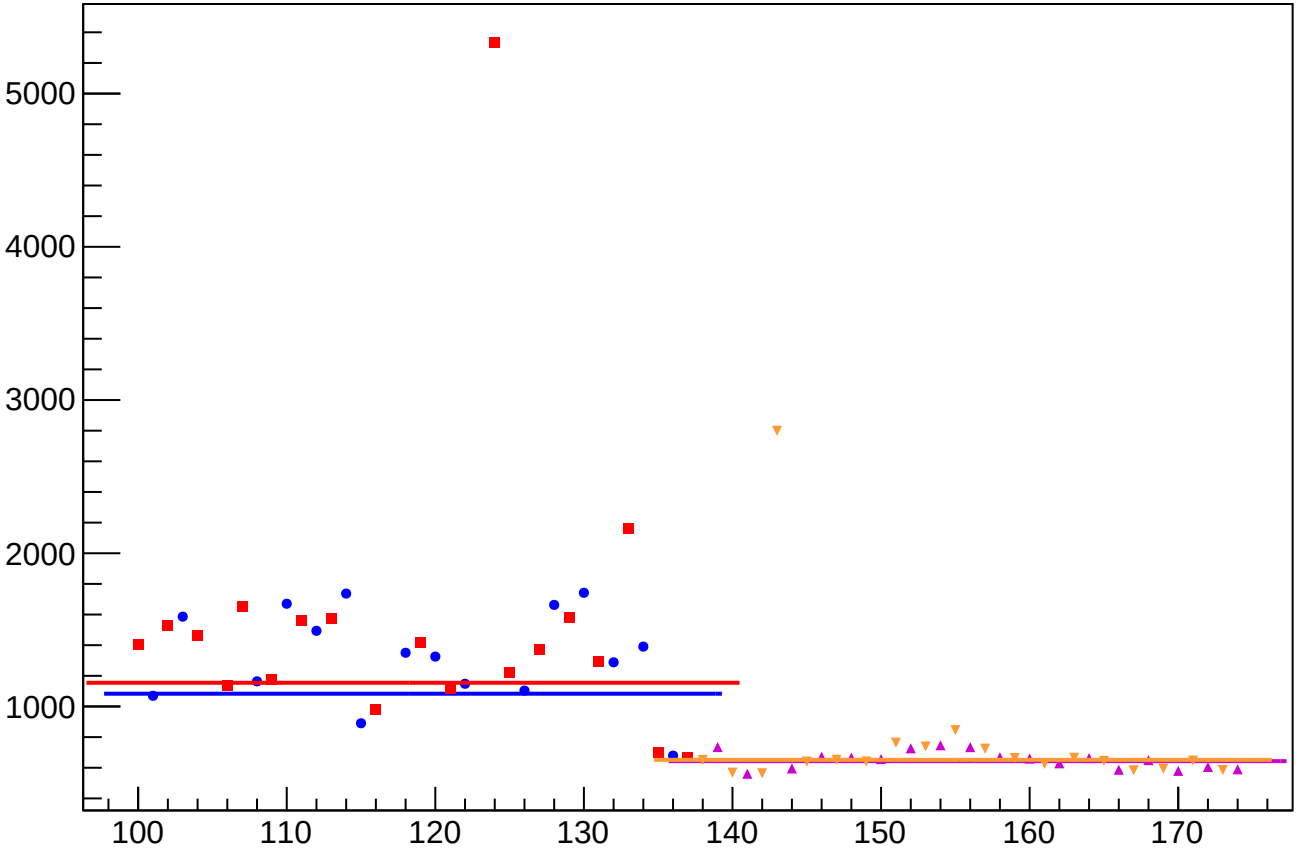
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -52.753+/-155.974 χ^2/NDF:43.4/33

Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 266.142+/-111.904 χ^2/NDF: 129.8/71

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: 651.696+/-0.122 χ^2/NDF:1241887.3/18

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

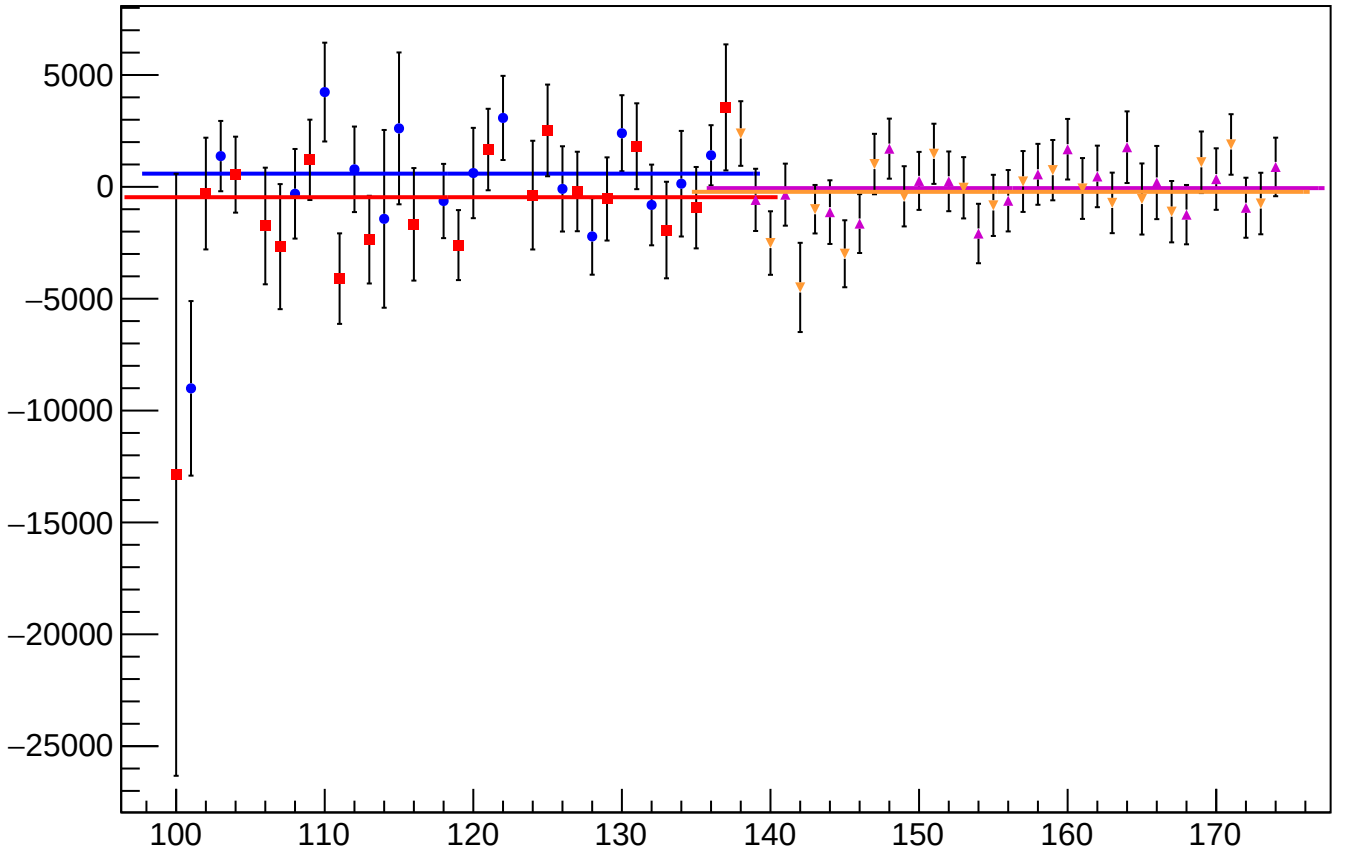
Left: 647.353+/-0.085 χ^2/NDF: 1463812.9/36

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 702.446+/-0.110 χ^2/NDF:3433804.9/33

Out: 716.450+/-0.114 χ^2/NDF:4929710.1/37

All: 709.242+/-0.079 χ^2/NDF: 8371338.8/71



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.509+/-316.961 χ^2/NDF:21.8/18

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.171+/-323.922 χ^2/NDF:11.7/17

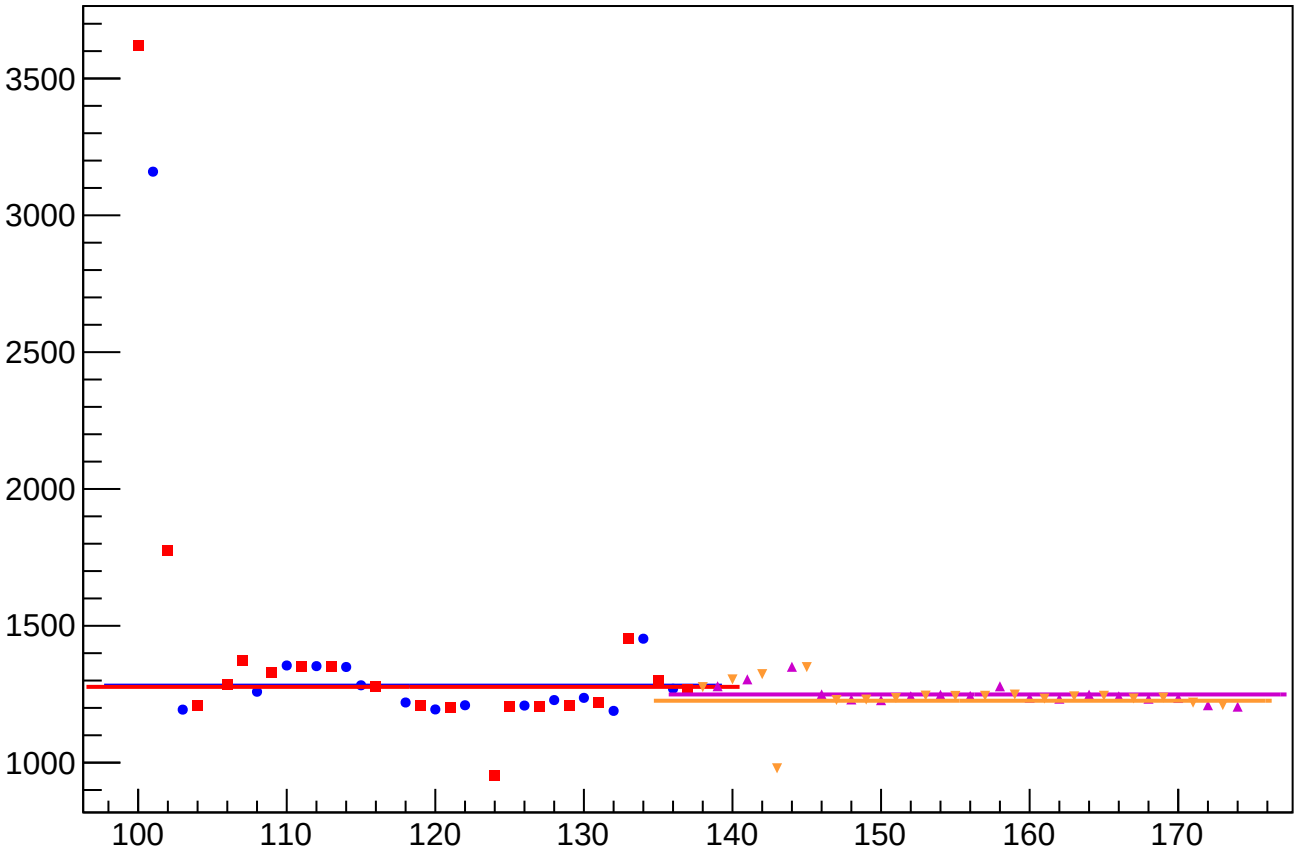
Left: -141.636+/-226.546 χ^2/NDF: 33.7/36

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 142.285+/-269.451 χ^2/NDF:30.0/33

Out: -296.094+/-263.958 χ^2/NDF:38.7/37

All: -81.419+/-188.558 χ^2/NDF: 70.1/71



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133256.4/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

Left: 1237.448+/-0.160 χ^2/NDF: 159450.4/36

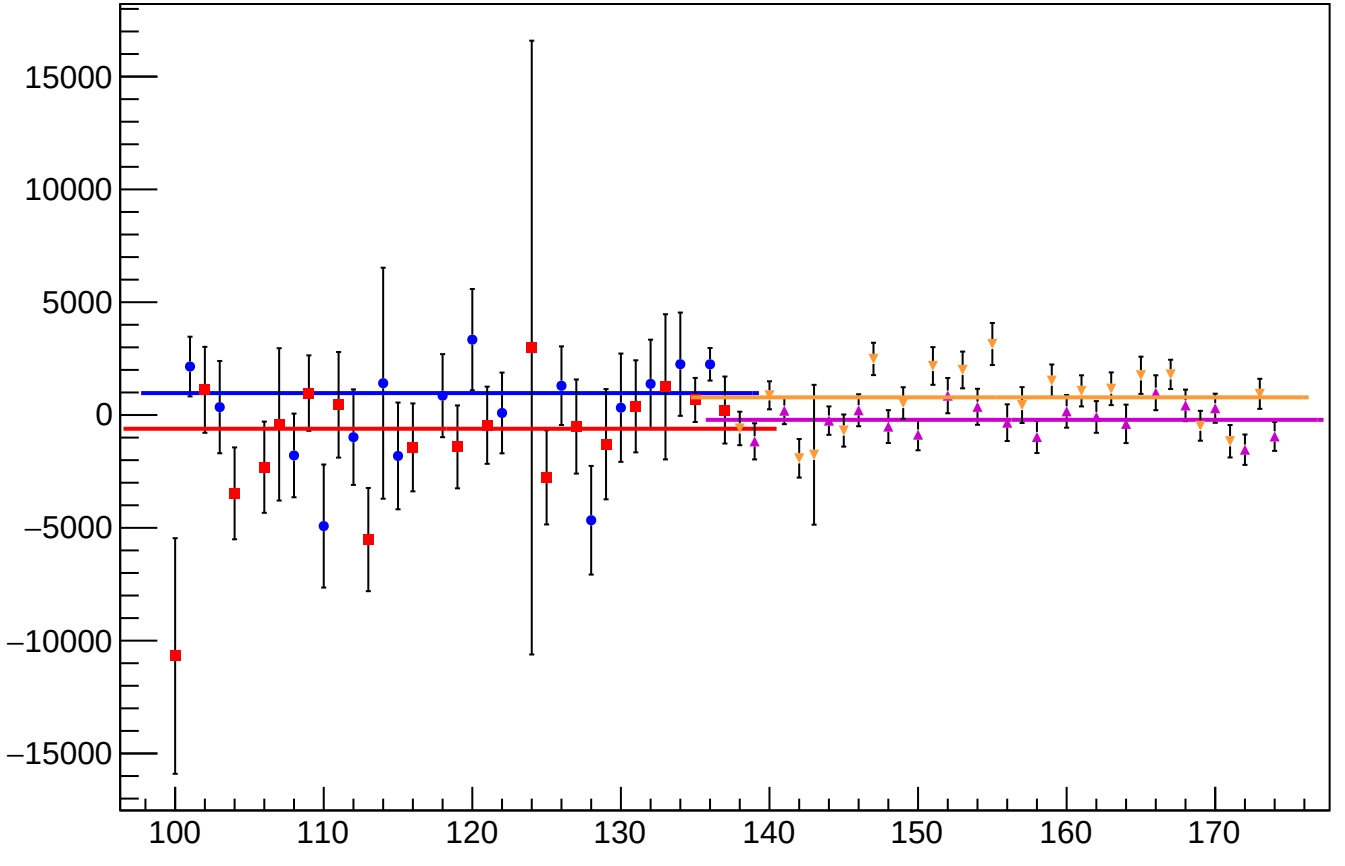
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.093+/-0.191 χ^2/NDF:534224.7/33

Out: 1241.739+/-0.187 χ^2/NDF:369417.5/37

All: 1250.237+/-0.133 χ^2/NDF: 907875.8/71

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 783.601+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -212.112+/-167.661 χ^2/NDF:16.3/17

Left: 272.738+/-120.093 χ^2/NDF: 85.6/36

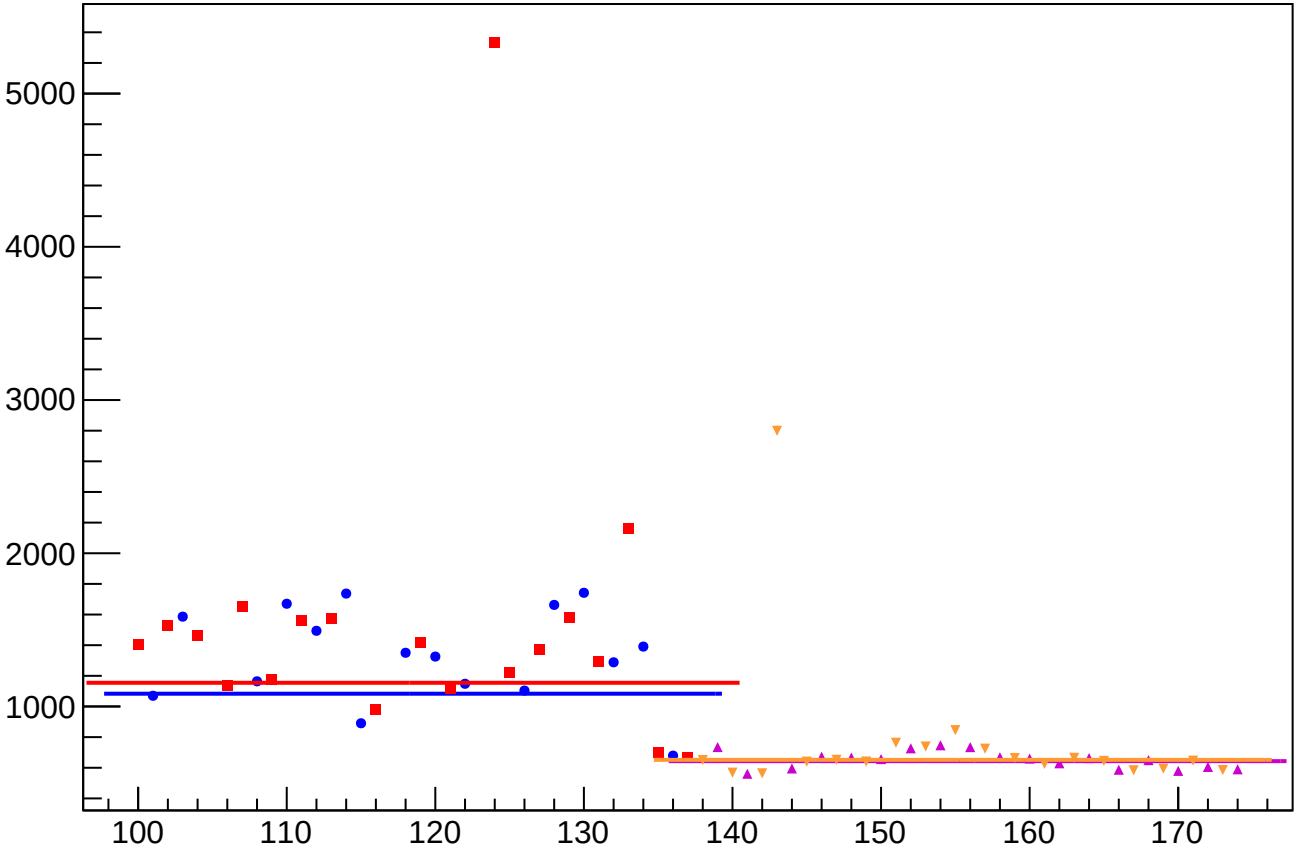
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -52.754+/-155.974 χ^2/NDF:43.4/33

Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 266.142+/-111.904 χ^2/NDF: 129.8/71

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1083.341+/-0.301 χ^2/NDF: 1360095.7/15

Left Out: 651.696+/-0.122 χ^2/NDF:1241884.0/18

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 643.230+/-0.119 χ^2/NDF:219446.3/17

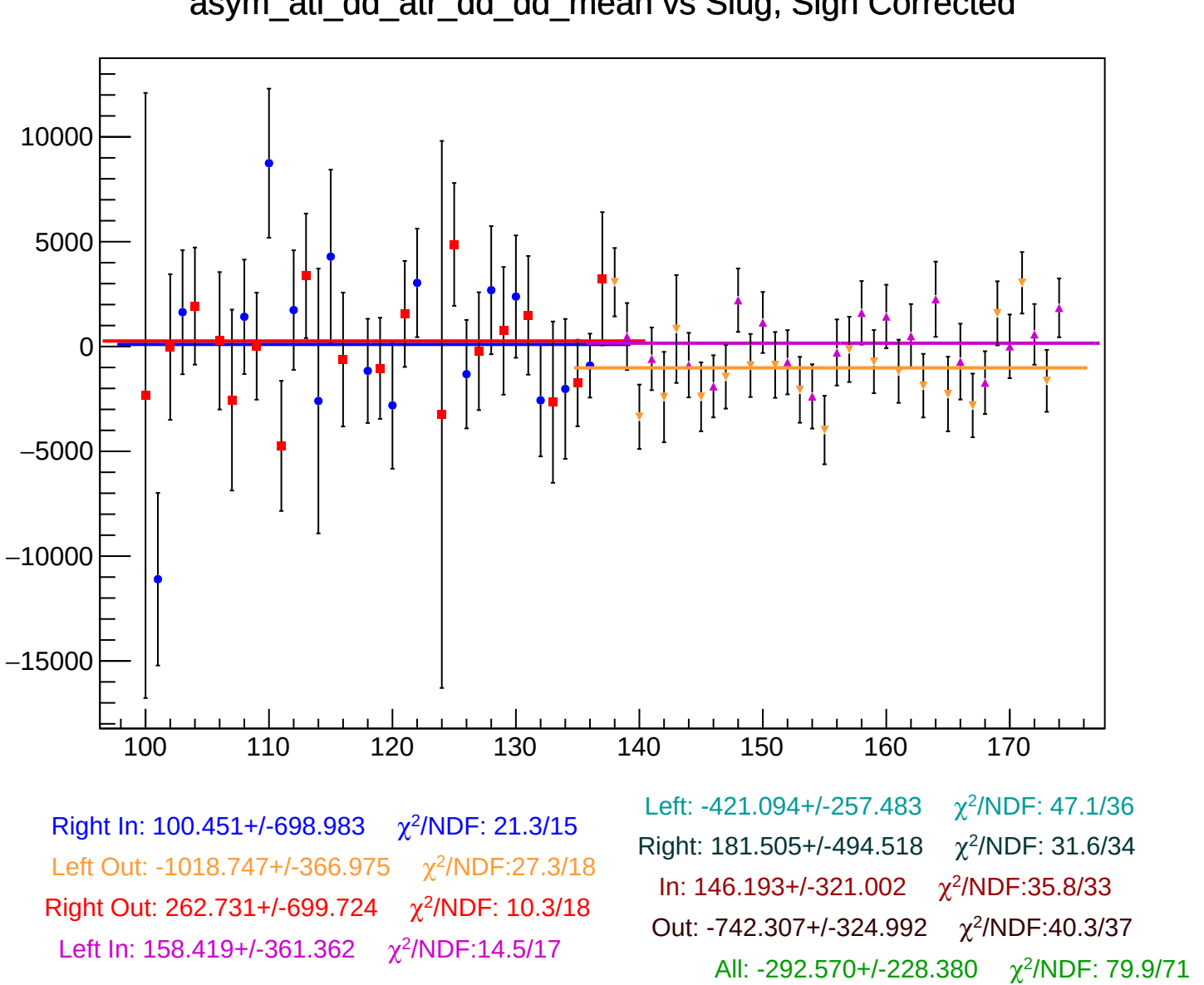
Left: 647.352+/-0.085 χ^2/NDF: 1463813.9/36

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

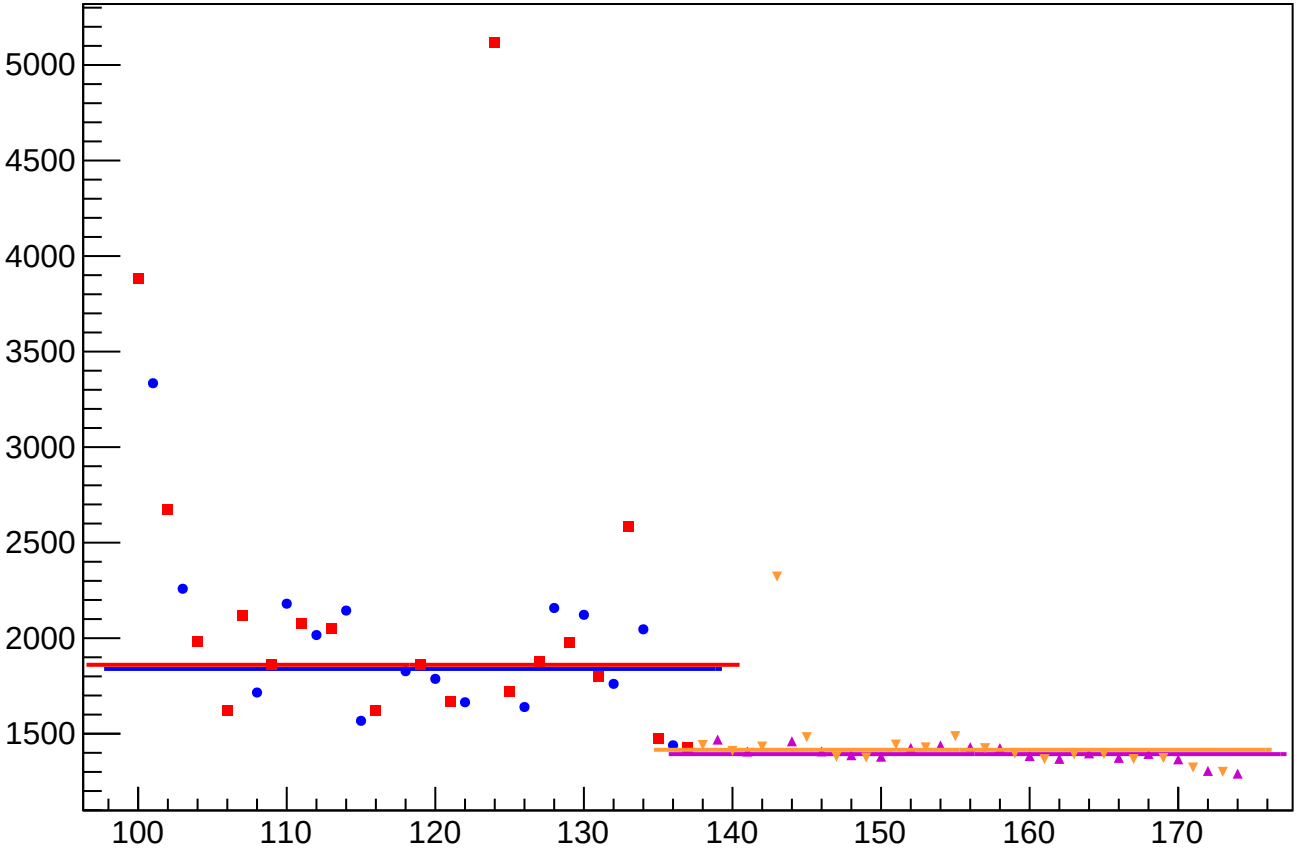
In: 702.446+/-0.110 χ^2/NDF:3433799.0/33

Out: 716.451+/-0.114 χ^2/NDF:4929701.6/37

All: 709.242+/-0.079 χ^2/NDF: 8371325.1/71


asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 100.451+/-698.983 χ²/NDF: 21.3/15
Left Out: -1018.747+/-366.975 χ²/NDF:27.3/18
Right Out: 262.731+/-699.724 χ²/NDF: 10.3/18
Left In: 158.419+/-361.362 χ²/NDF:14.5/17
Left: -421.094+/-257.483 χ²/NDF: 47.1/36
Right: 181.505+/-494.518 χ²/NDF: 31.6/34
In: 146.193+/-321.002 χ²/NDF:35.8/33
Out: -742.307+/-324.992 χ²/NDF:40.3/37
All: -292.570+/-228.380 χ²/NDF: 79.9/71

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1415.940+/-0.259 χ^2/NDF:286675.4/18

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

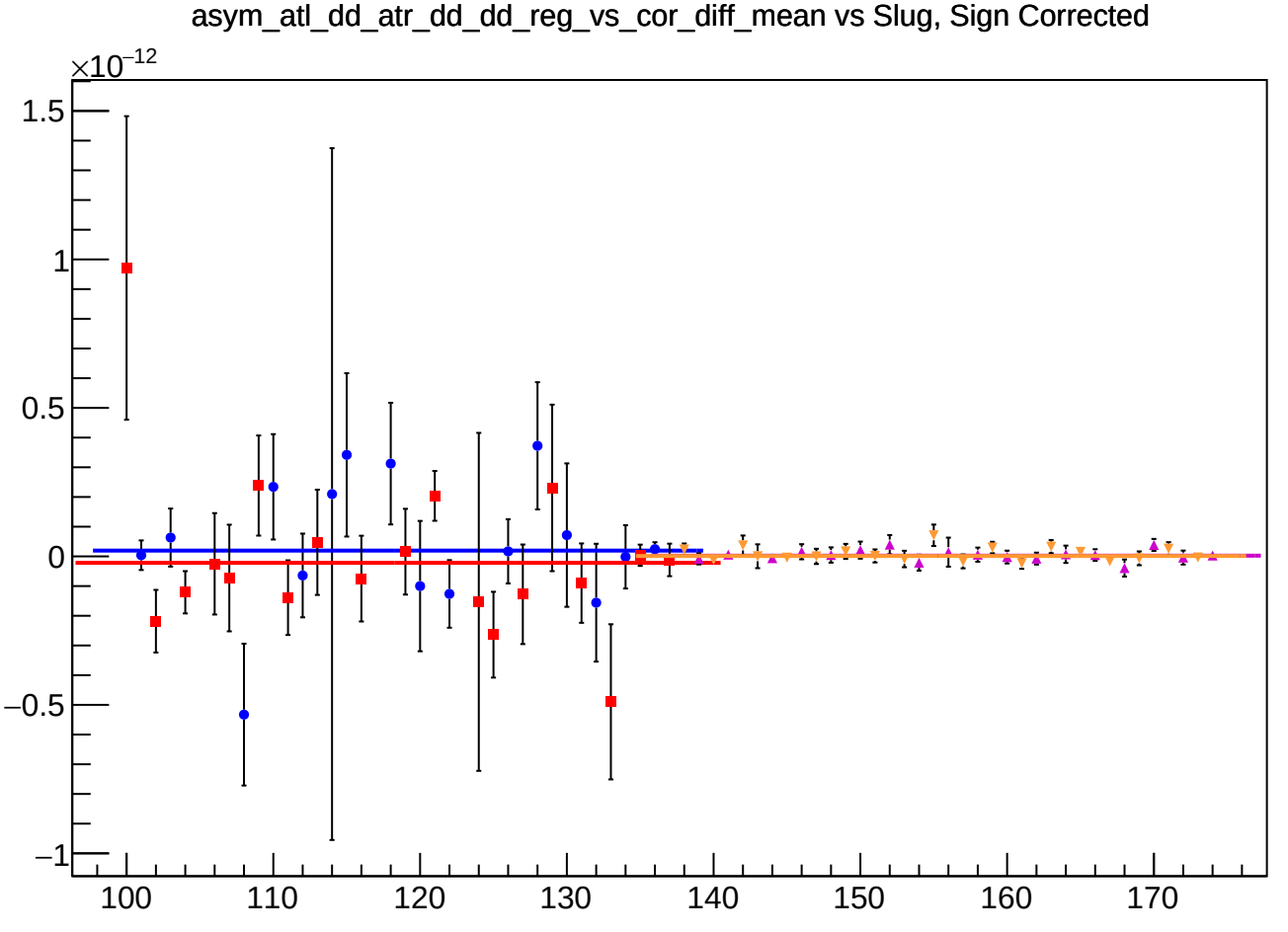
Left: 1404.385+/-0.182 χ^2/NDF: 323563.1/36

Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1487.230+/-0.227 χ^2/NDF:1232049.6/33

Out: 1511.897+/-0.230 χ^2/NDF:1442675.9/37

All: 1499.411+/-0.161 χ^2/NDF: 2680557.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

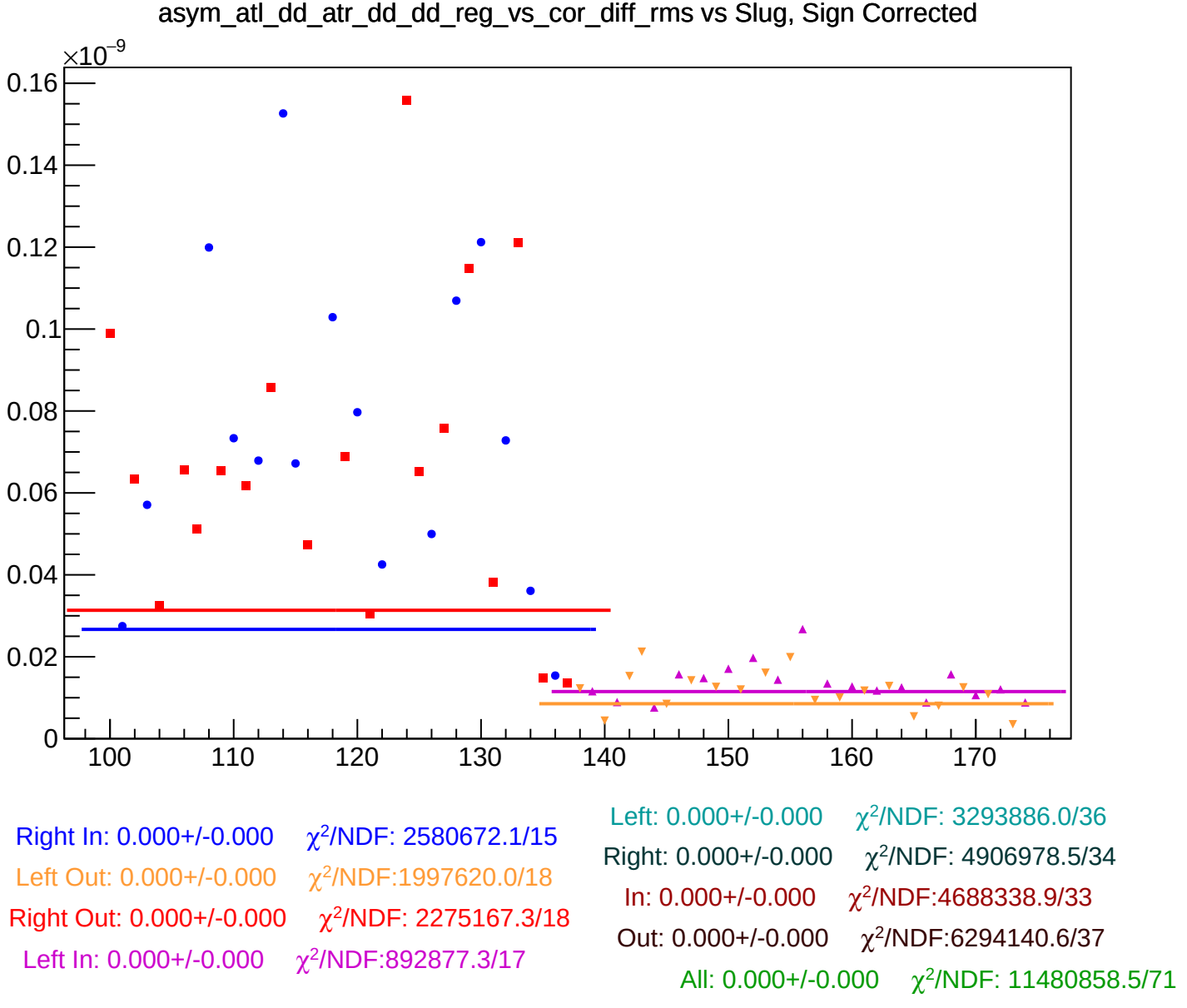
Left: 0.000+/-0.000 χ^2/NDF: 28.0/36

Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

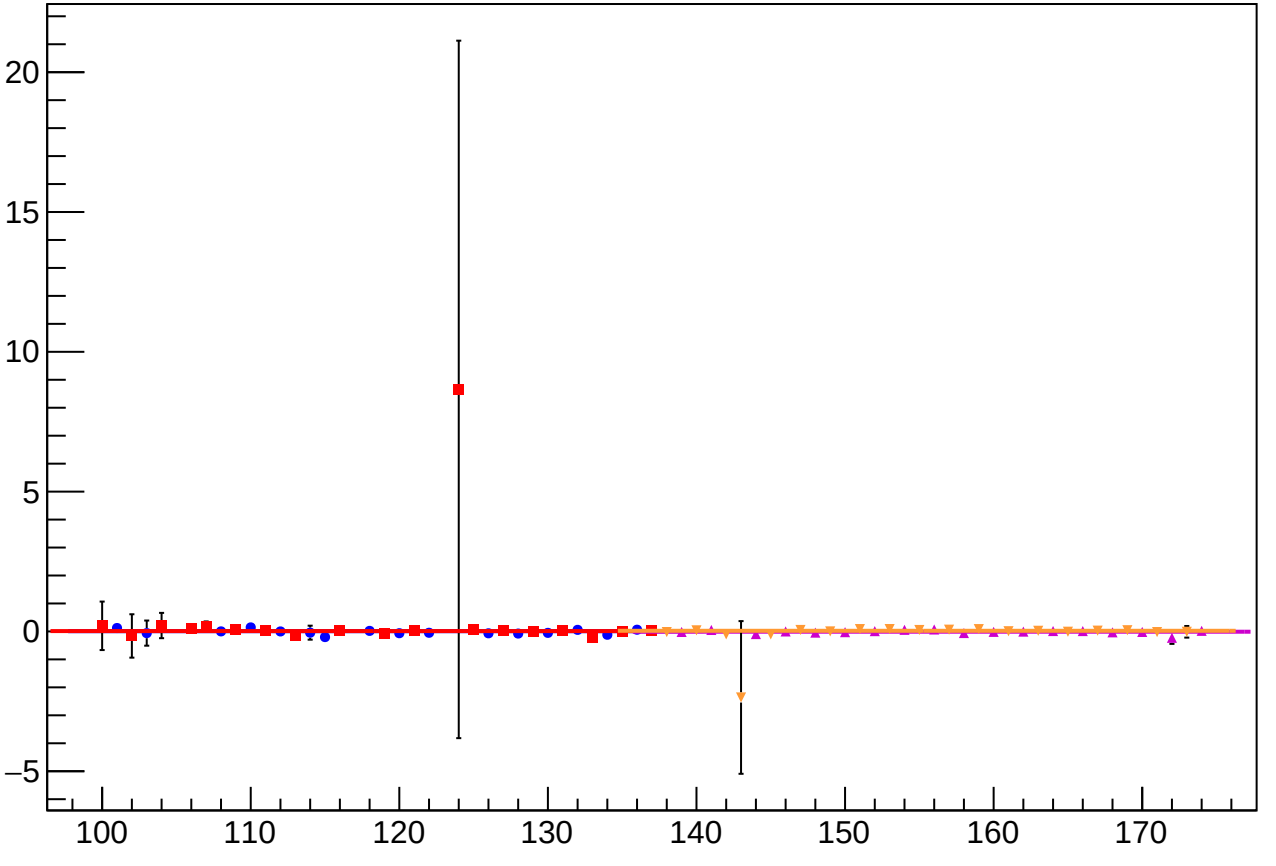
In: 0.000+/-0.000 χ^2/NDF:26.6/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 74.7/71


asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2580672.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1997620.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 2275167.3/18
Left In: 0.000+/-0.000 χ²/NDF:892877.3/17
Left: 0.000+/-0.000 χ²/NDF: 3293886.0/36
Right: 0.000+/-0.000 χ²/NDF: 4906978.5/34
In: 0.000+/-0.000 χ²/NDF:4688338.9/33
Out: 0.000+/-0.000 χ²/NDF:6294140.6/37
All: 0.000+/-0.000 χ²/NDF: 11480858.5/71

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

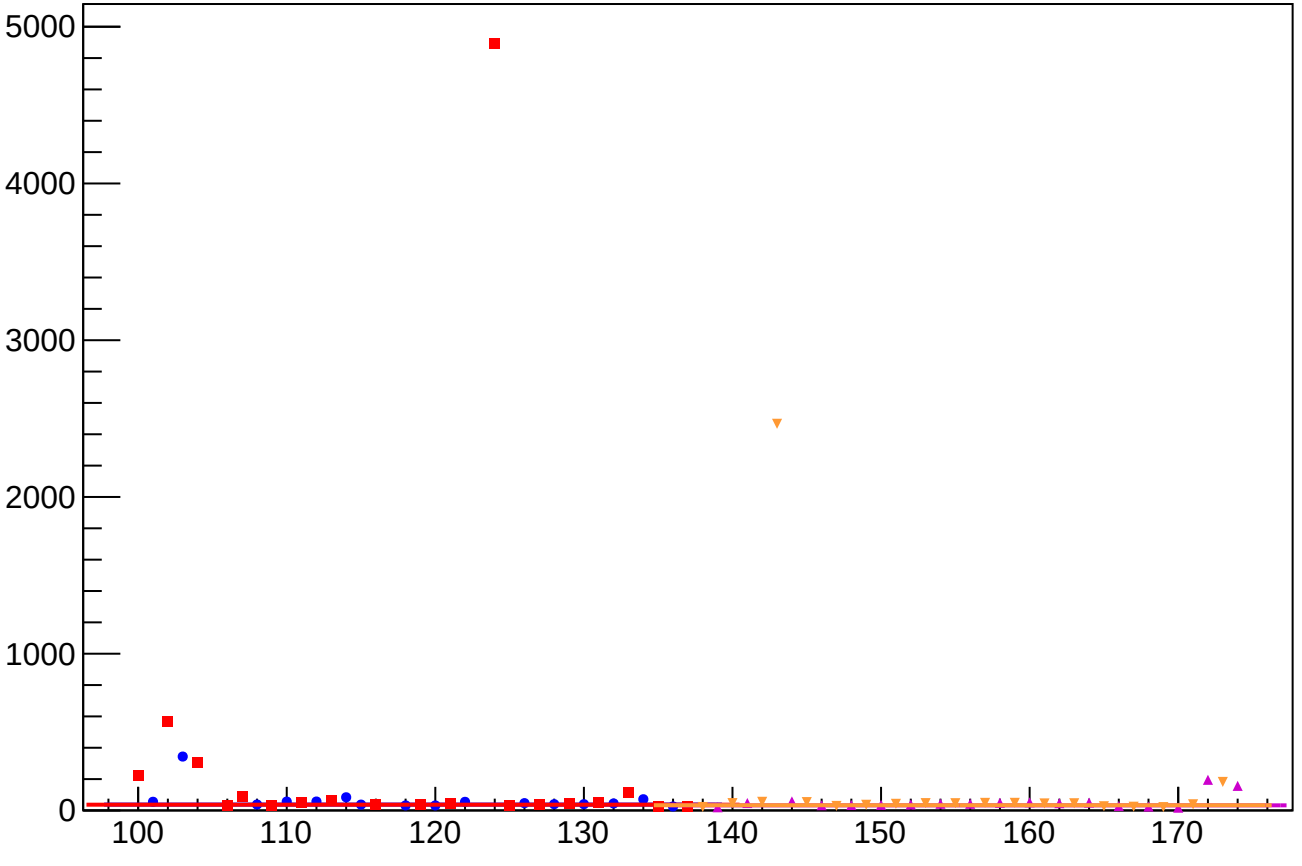
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

Left: 32.968+/-0.005 χ^2/NDF: 9817834.0/36

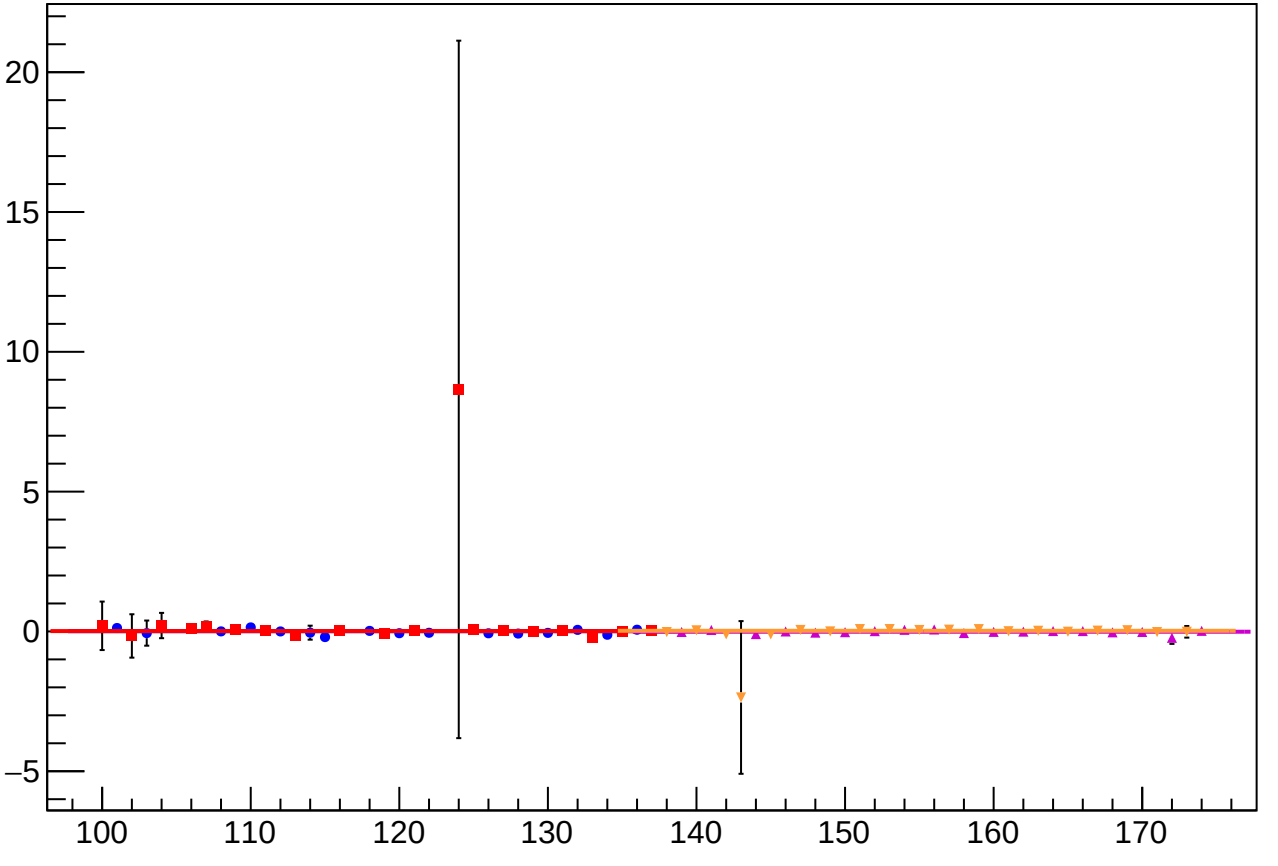
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

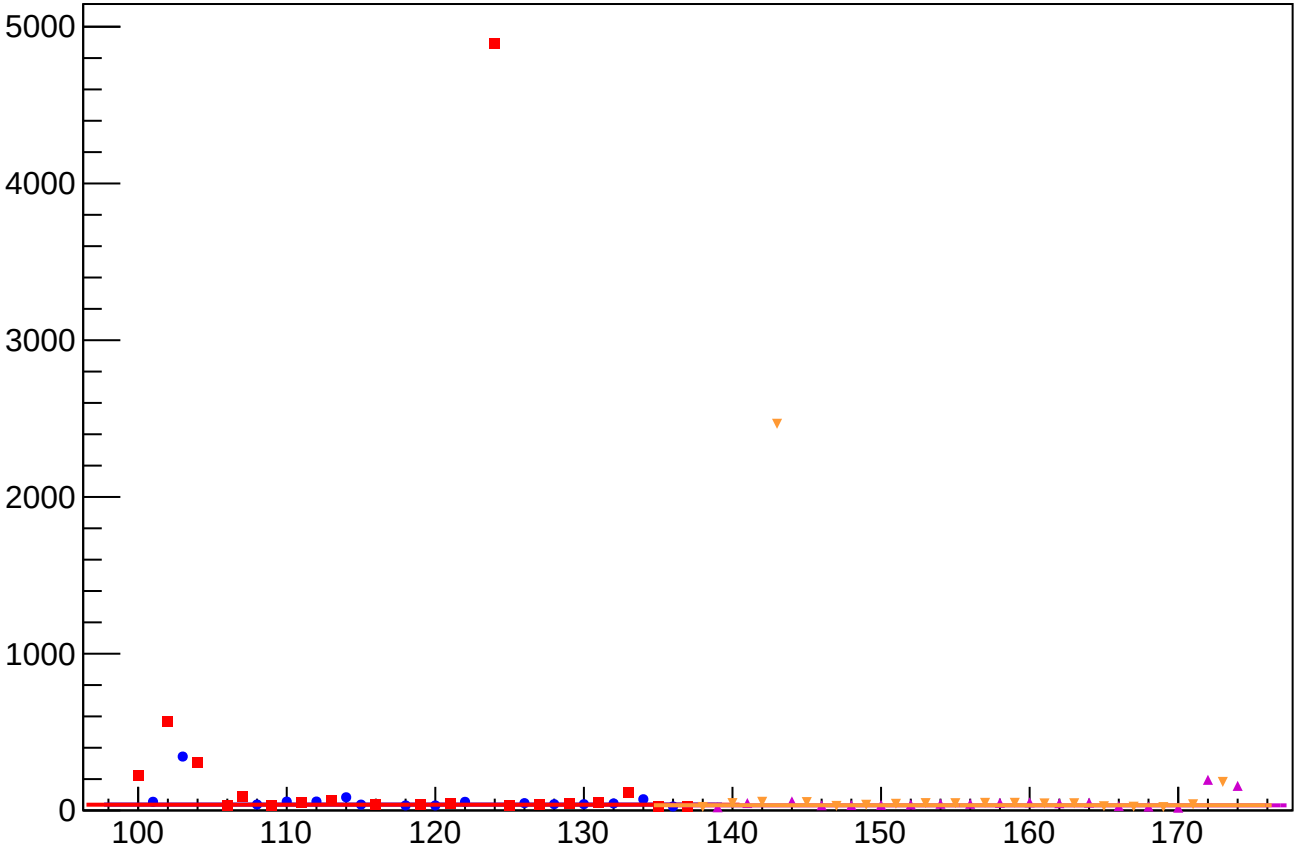
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

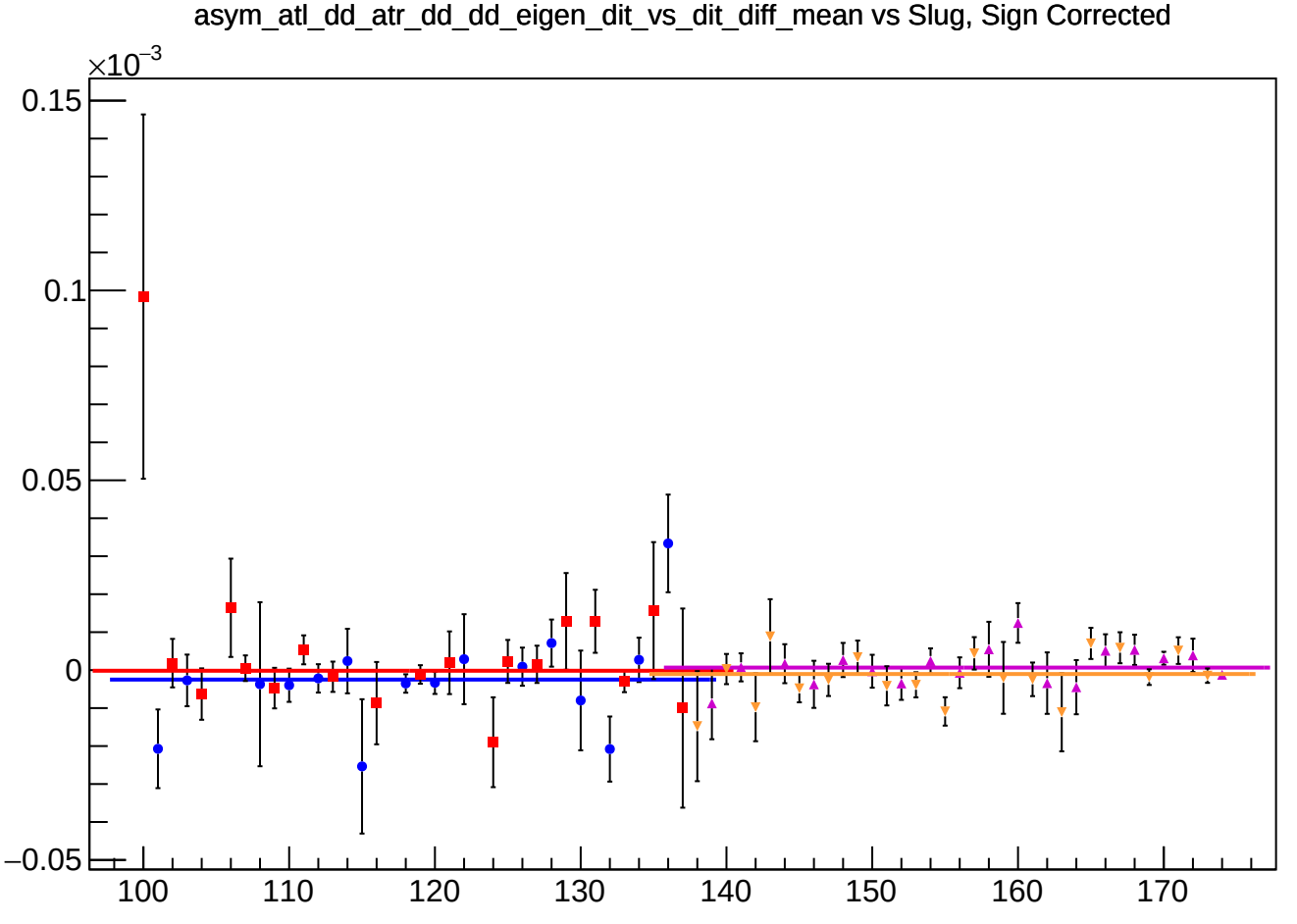
Left: 32.968+/-0.005 χ^2/NDF: 9817834.0/36

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

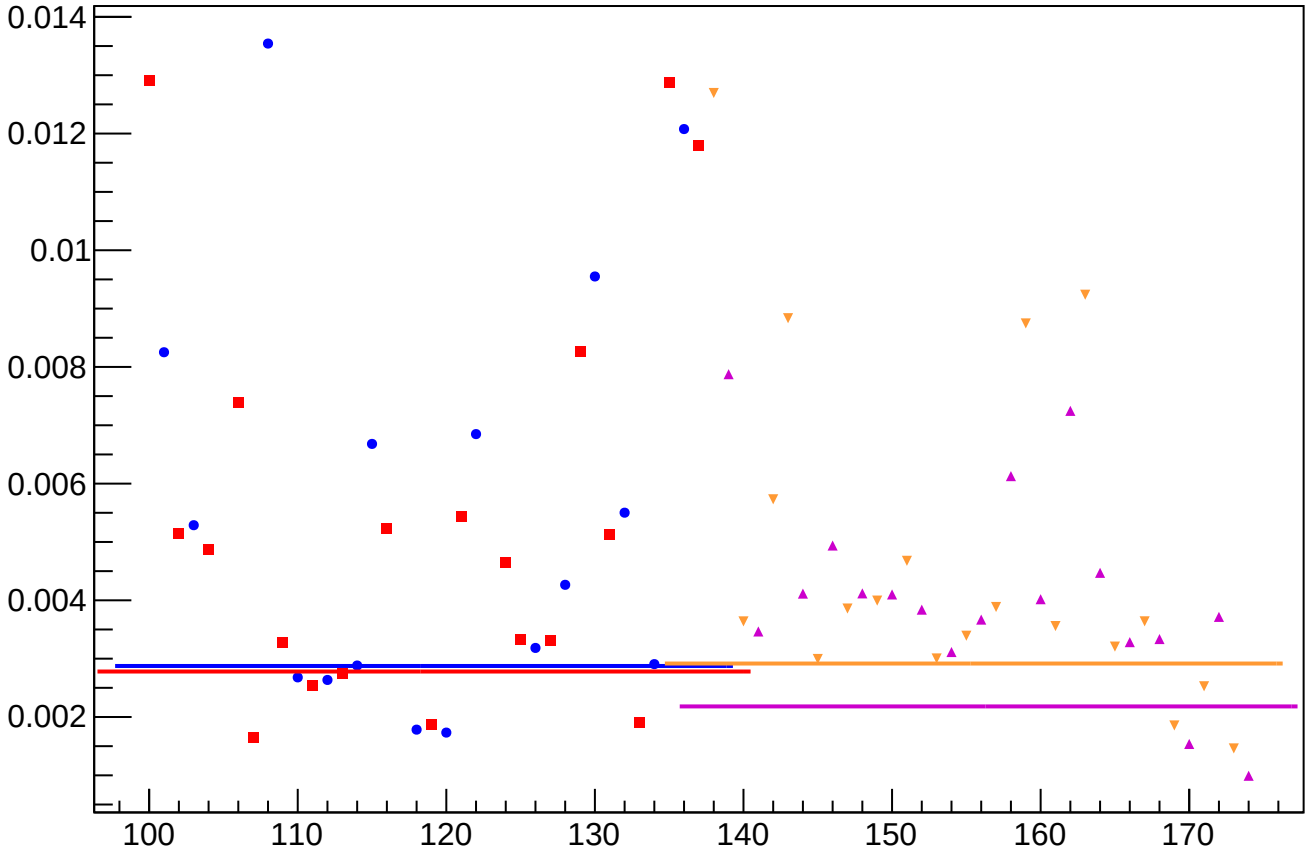
Left: -0.000+/-0.000 χ^2/NDF: 45.7/36

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:43.8/33

Out: -0.000+/-0.000 χ^2/NDF:45.2/37

All: -0.000+/-0.000 χ^2/NDF: 89.5/71



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:5845499.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8209974.0/17

Left: 0.002+/-0.000 χ^2/NDF: 14896462.7/36

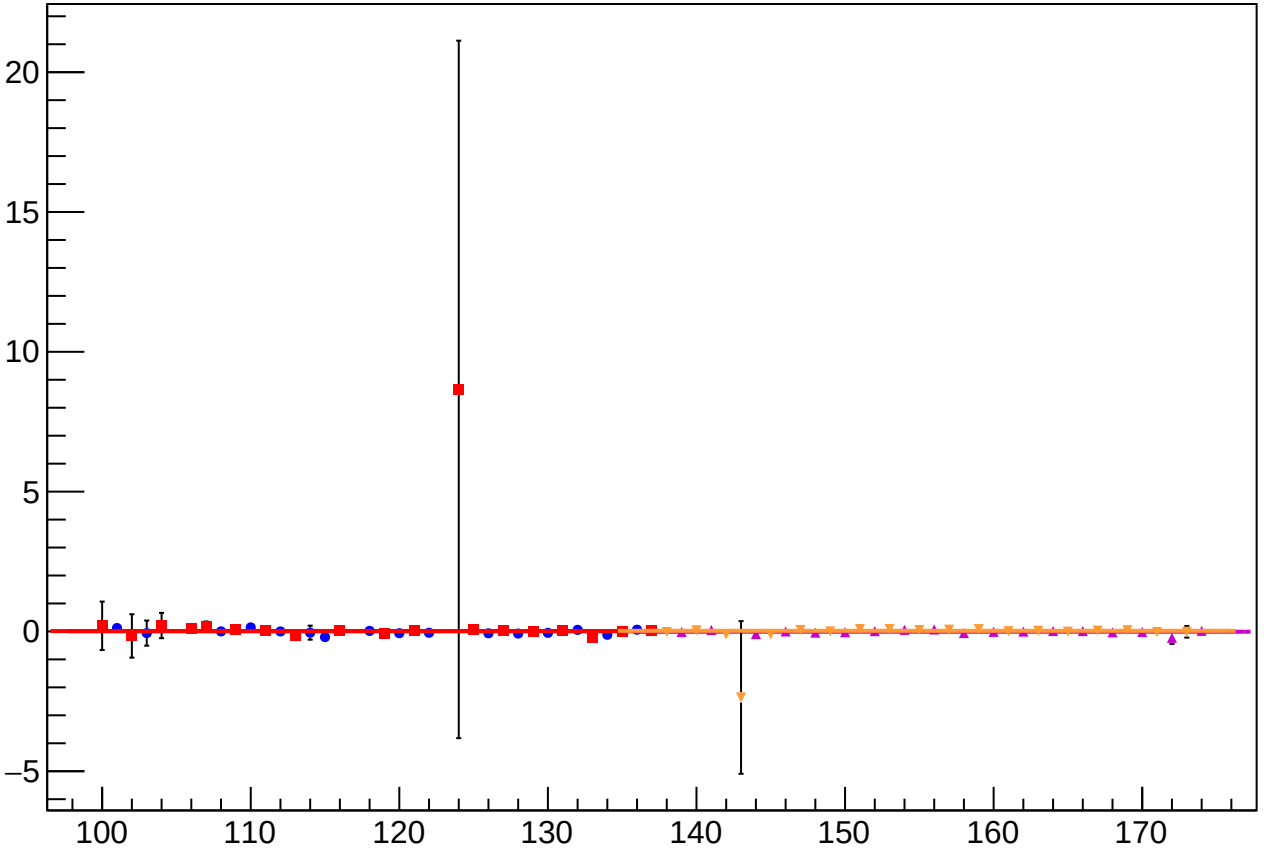
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:12793951.6/33

Out: 0.003+/-0.000 χ^2/NDF:9174219.6/37

All: 0.003+/-0.000 χ^2/NDF: 22583704.4/71

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

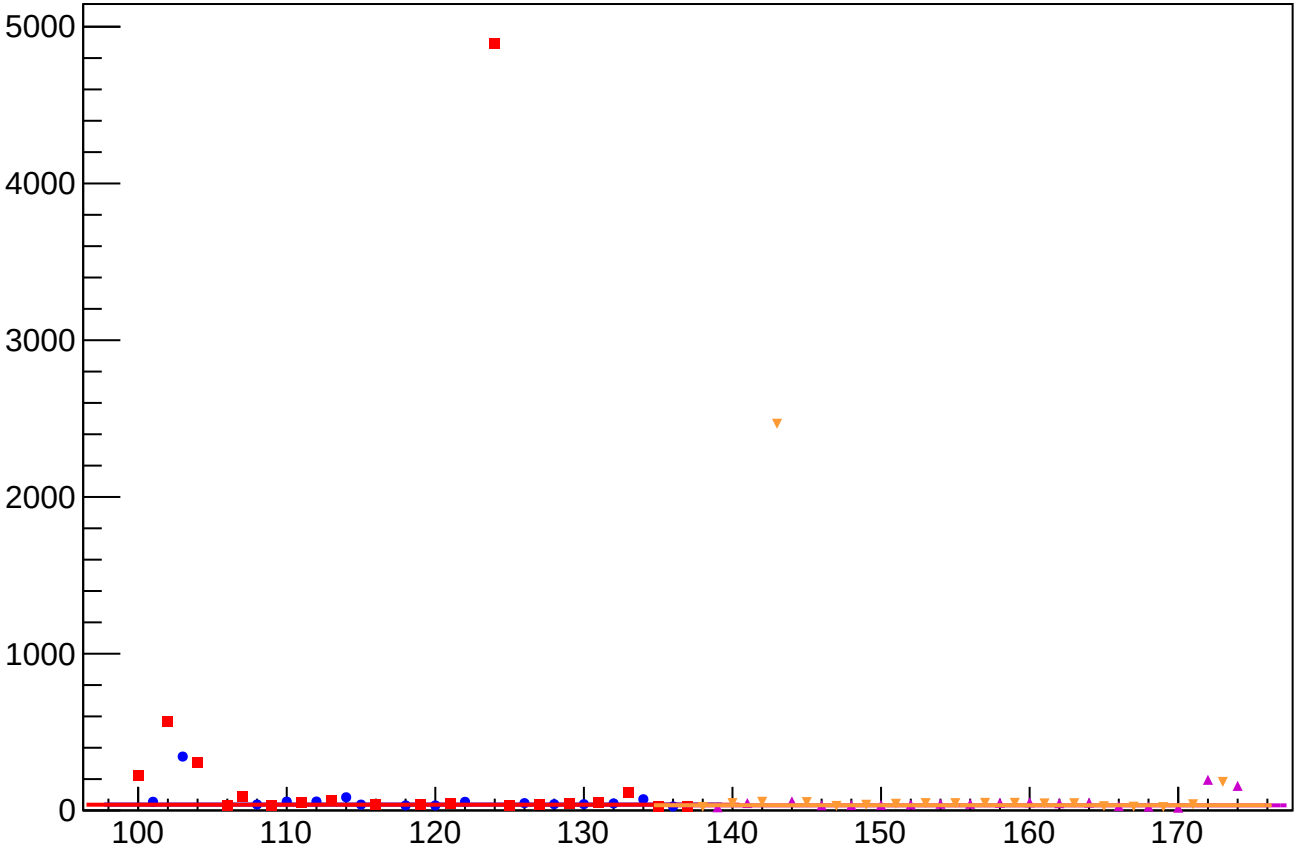
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

Left: 32.968+/-0.005 χ^2/NDF: 9816675.6/36

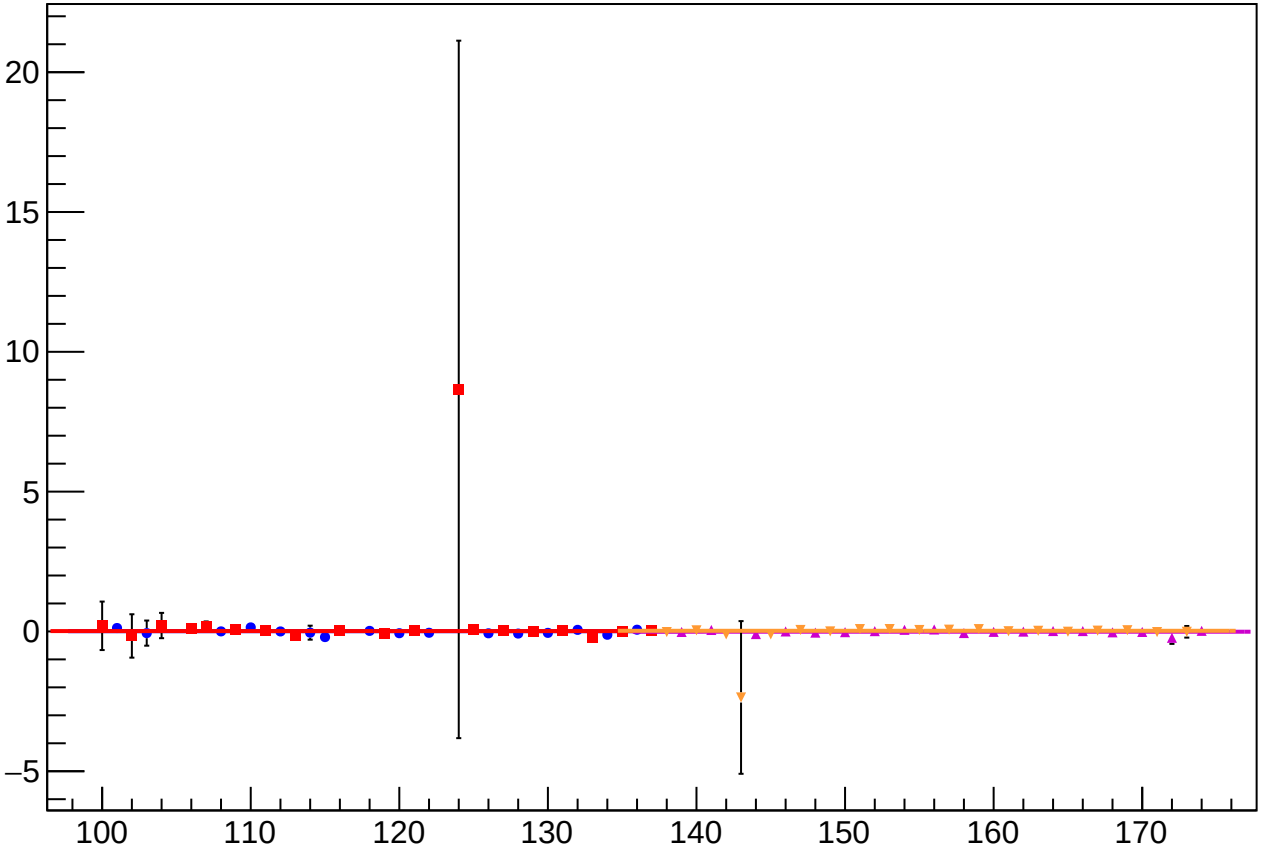
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

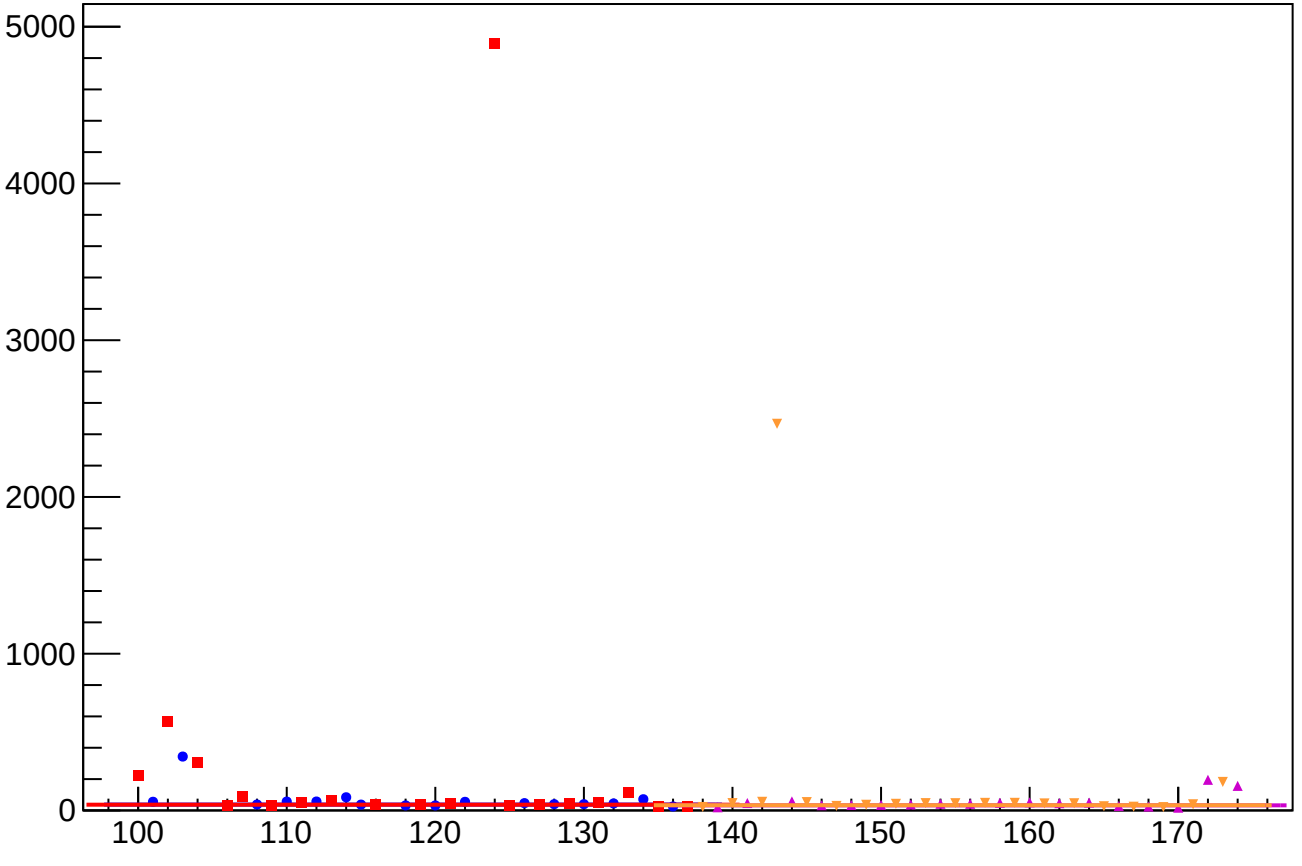
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

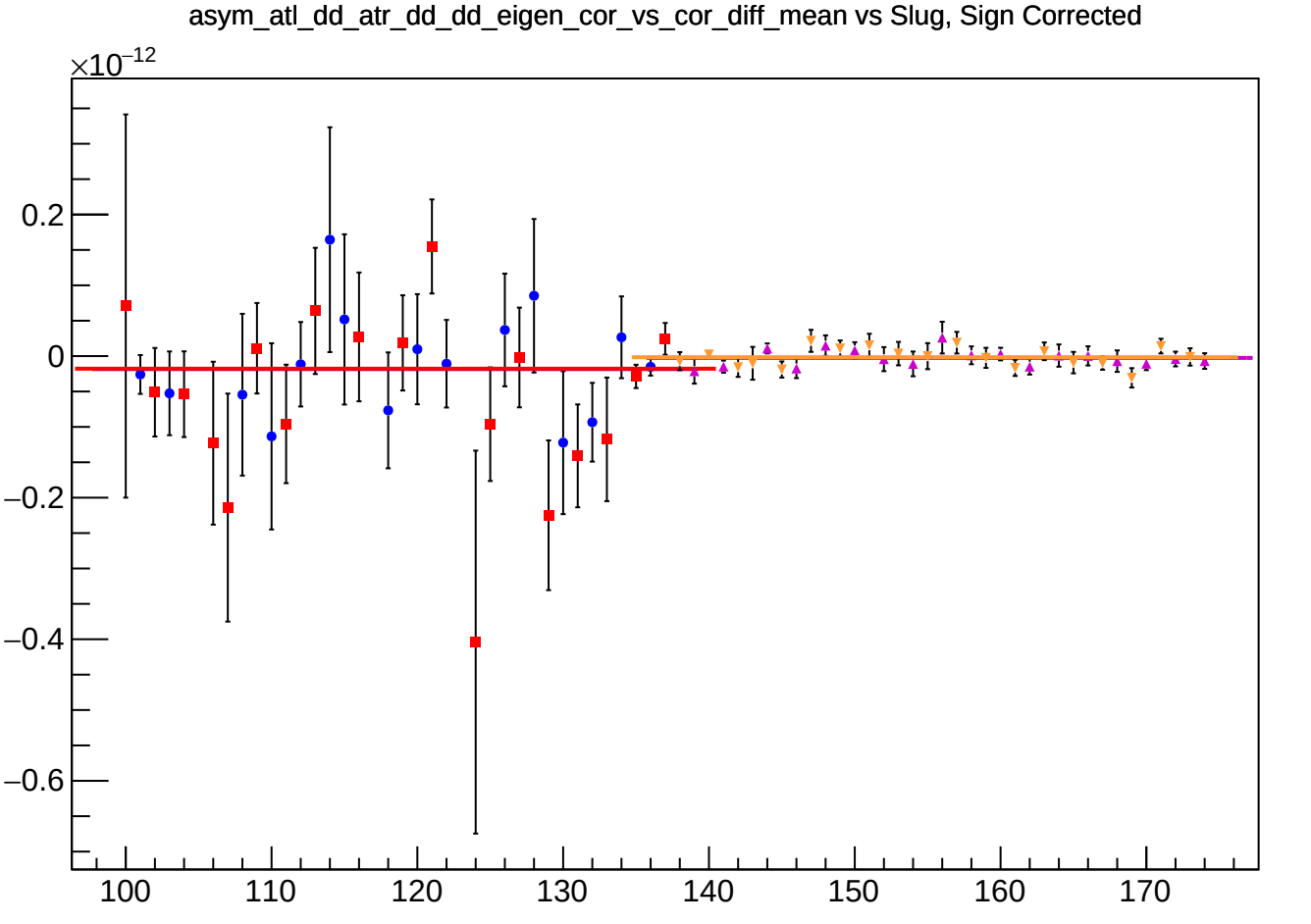
Left: 32.968+/-0.005 χ^2/NDF: 9816675.6/36

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/17

Left: -0.000+/-0.000 χ^2/NDF: 35.6/36

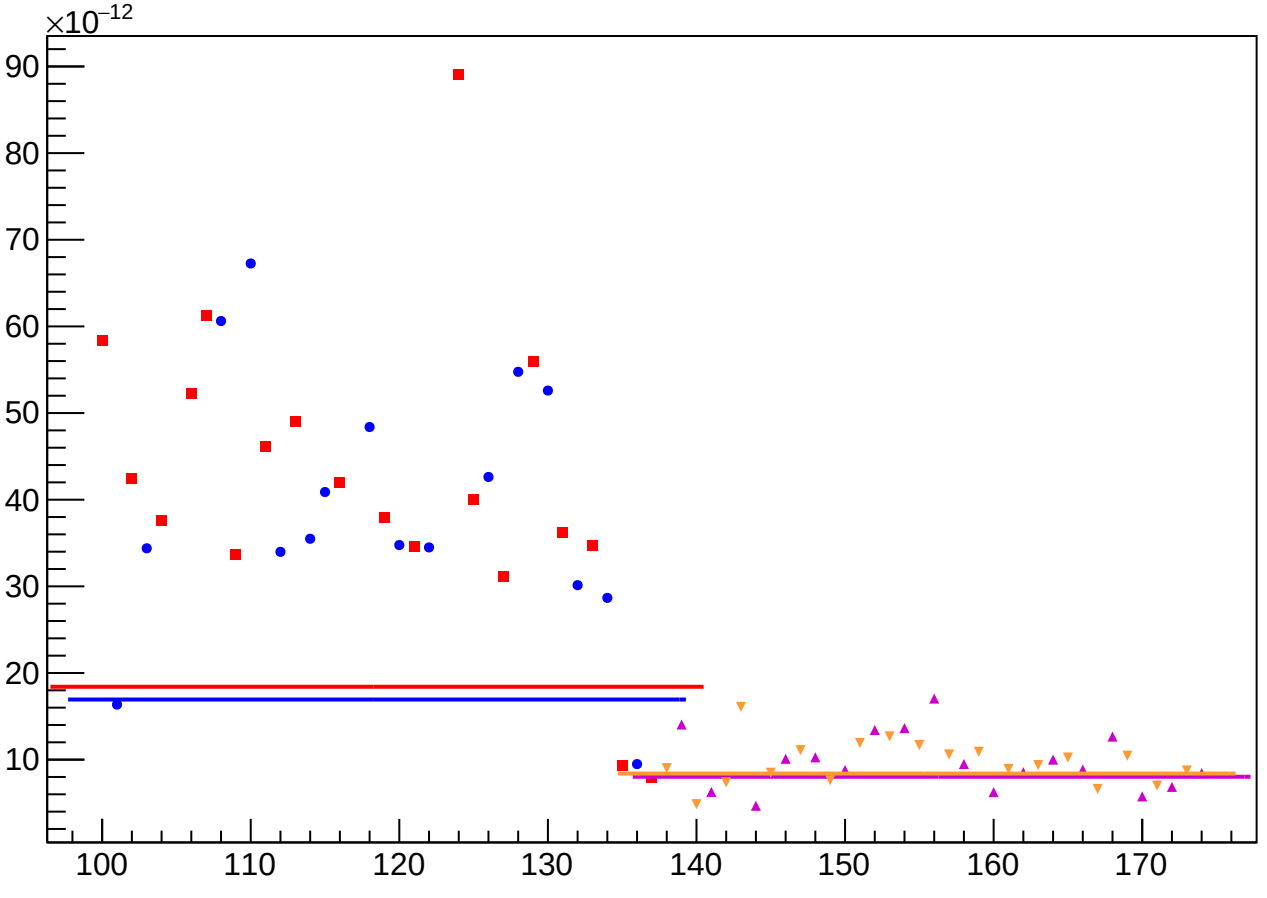
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.6/33

Out: -0.000+/-0.000 χ^2/NDF:49.8/37

All: -0.000+/-0.000 χ^2/NDF: 75.5/71

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1452973.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2102767.1/17

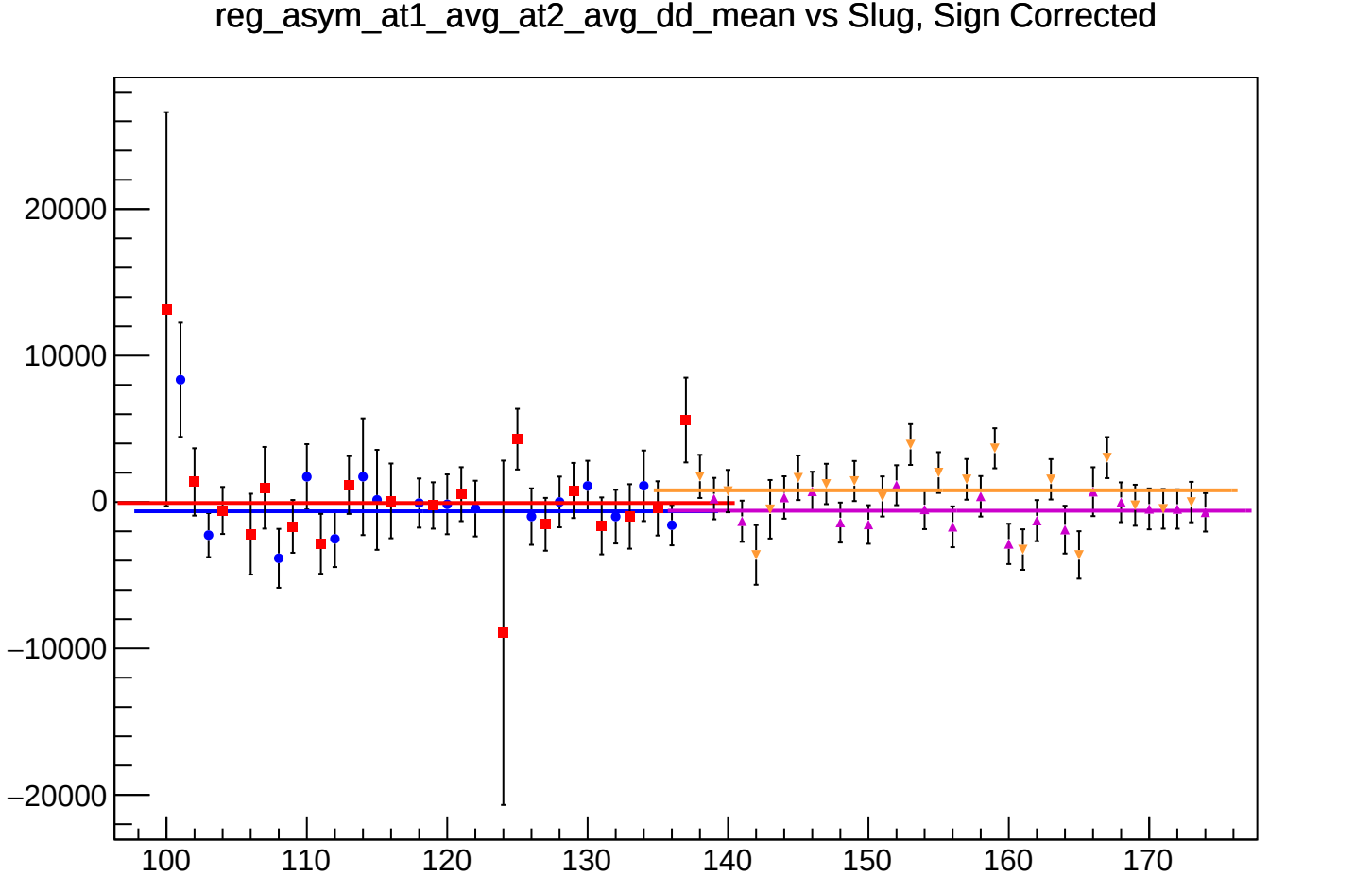
Left: 0.000+/-0.000 χ^2/NDF: 3573659.2/36

Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6812973.5/33

Out: 0.000+/-0.000 χ^2/NDF:6669415.5/37

All: 0.000+/-0.000 χ^2/NDF: 13499802.7/71



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.396+/-329.096 χ^2/NDF:10.0/17

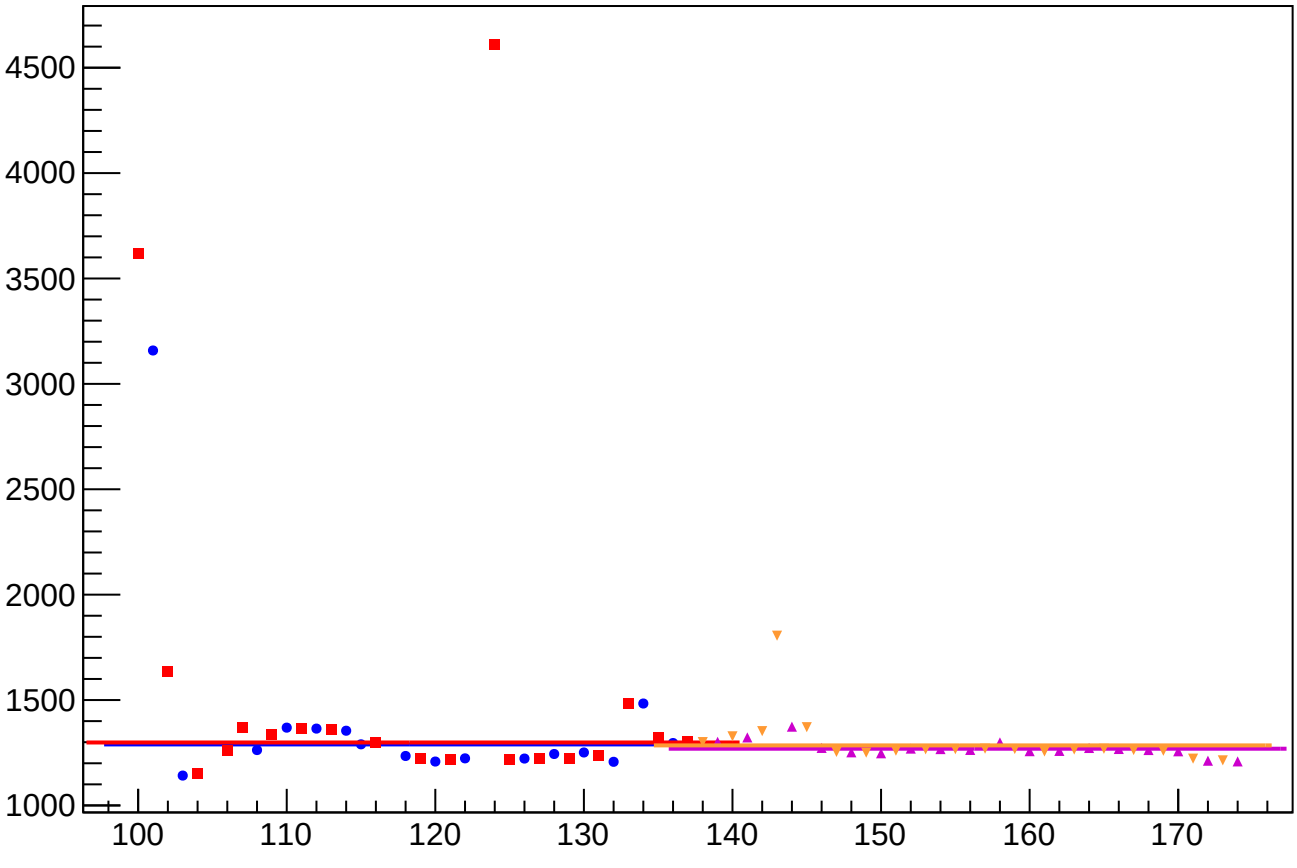
Left: 96.168+/-233.819 χ^2/NDF: 56.1/36

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -605.830+/-272.965 χ^2/NDF:23.9/33

Out: 525.062+/-274.606 χ^2/NDF:55.3/37

All: -43.773+/-193.593 χ^2/NDF: 87.7/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

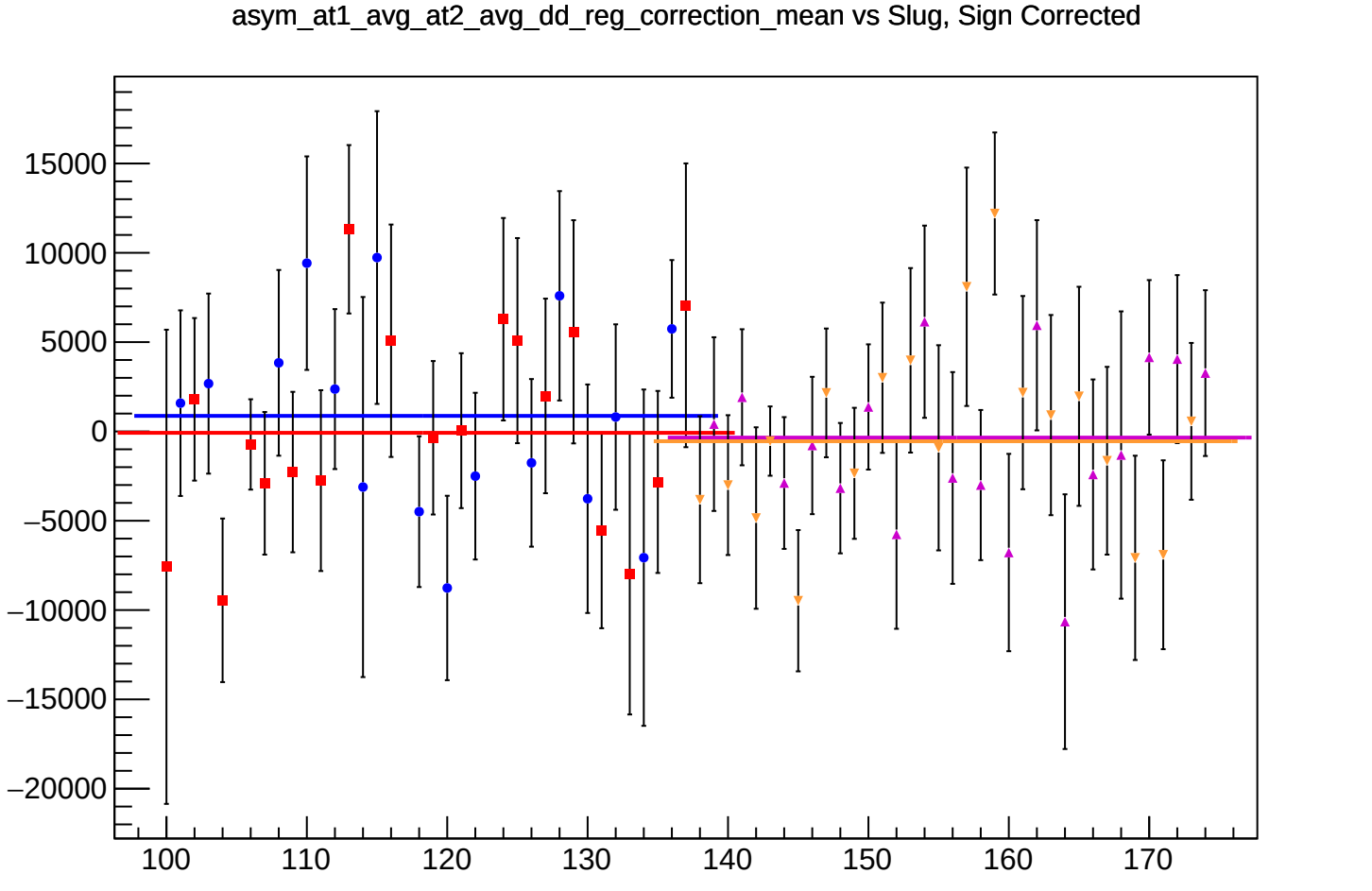
Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

In: 1275.424+/-0.193 χ^2/NDF:541587.2/33

Out: 1289.231+/-0.194 χ^2/NDF:483242.9/37

All: 1282.292+/-0.137 χ^2/NDF: 1027375.6/71



Right In: 870.295+/-1325.278 χ^2/NDF: 14.0/15

Left Out: -548.542+/-965.250 χ^2/NDF:21.9/18

Right Out: -77.323+/-1111.074 χ^2/NDF: 18.4/18

Left In: -345.521+/-1090.150 χ^2/NDF:12.1/17

Left: -459.323+/-722.677 χ^2/NDF: 34.0/36

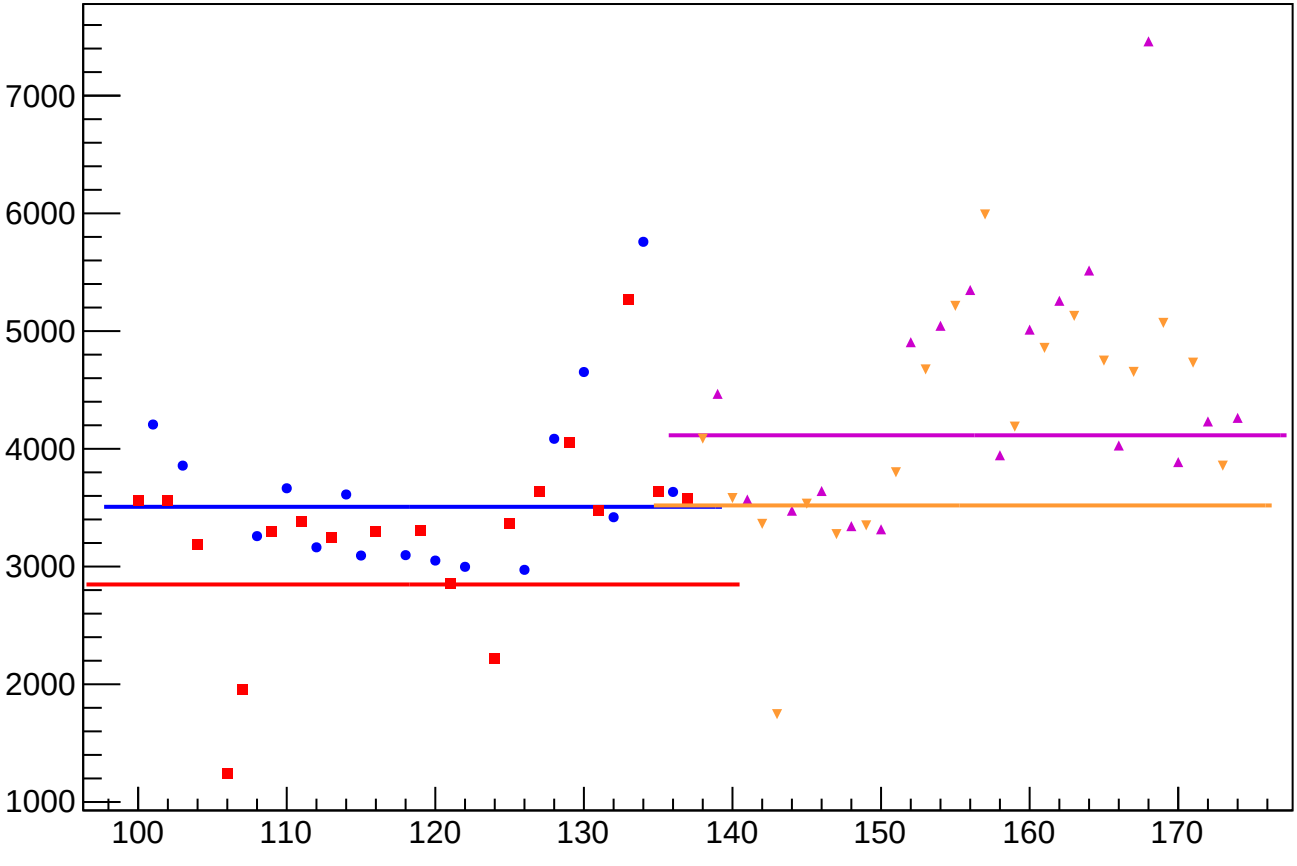
Right: 313.810+/-851.438 χ^2/NDF: 32.7/34

In: 145.145+/-841.911 χ^2/NDF:26.6/33

Out: -345.865+/-728.676 χ^2/NDF:40.4/37

All: -135.577+/-550.970 χ^2/NDF: 67.2/71

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3519.157+/-0.683 χ^2/NDF:3043118.6/18

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

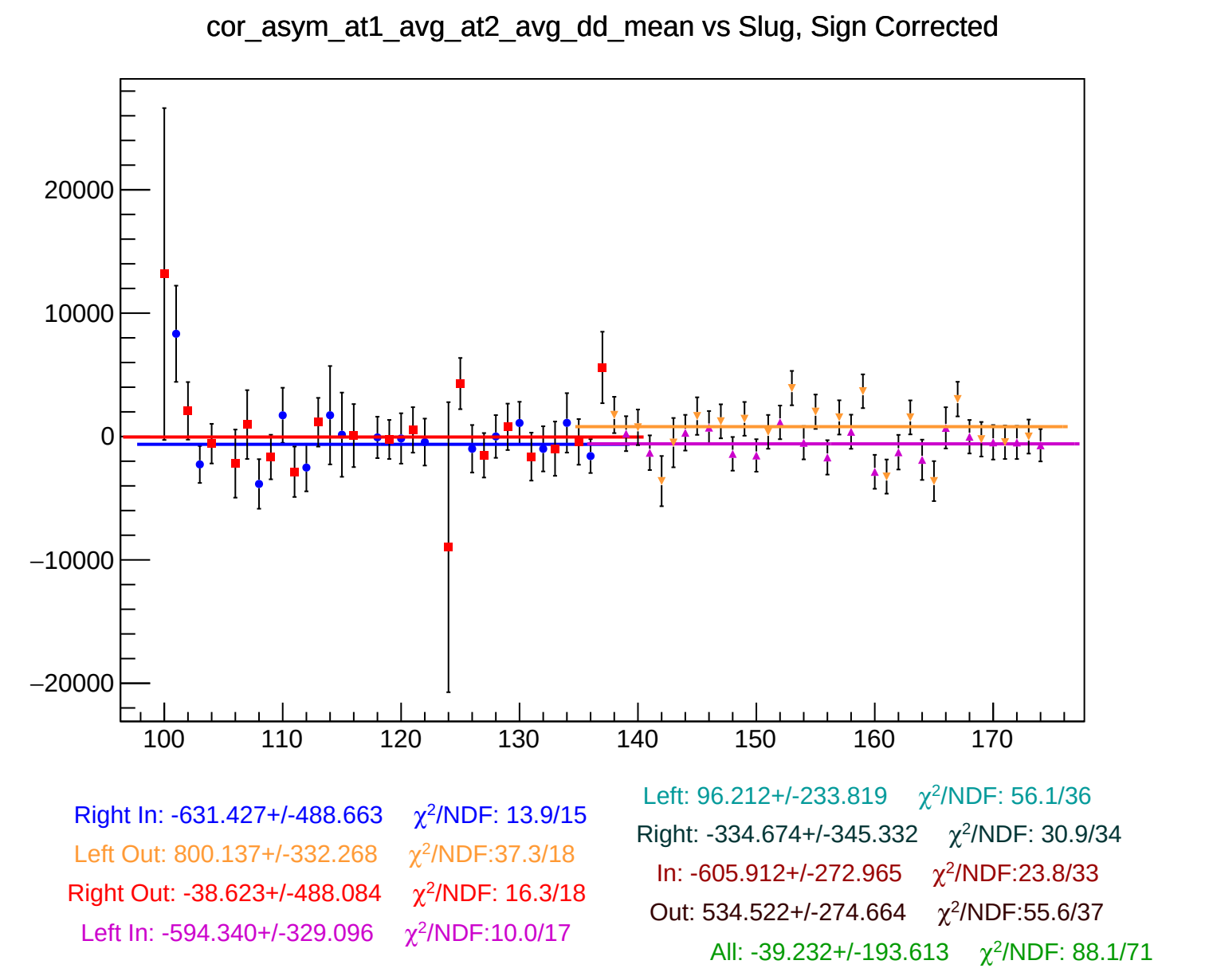
Left: 3780.968+/-0.511 χ^2/NDF: 4468644.3/36

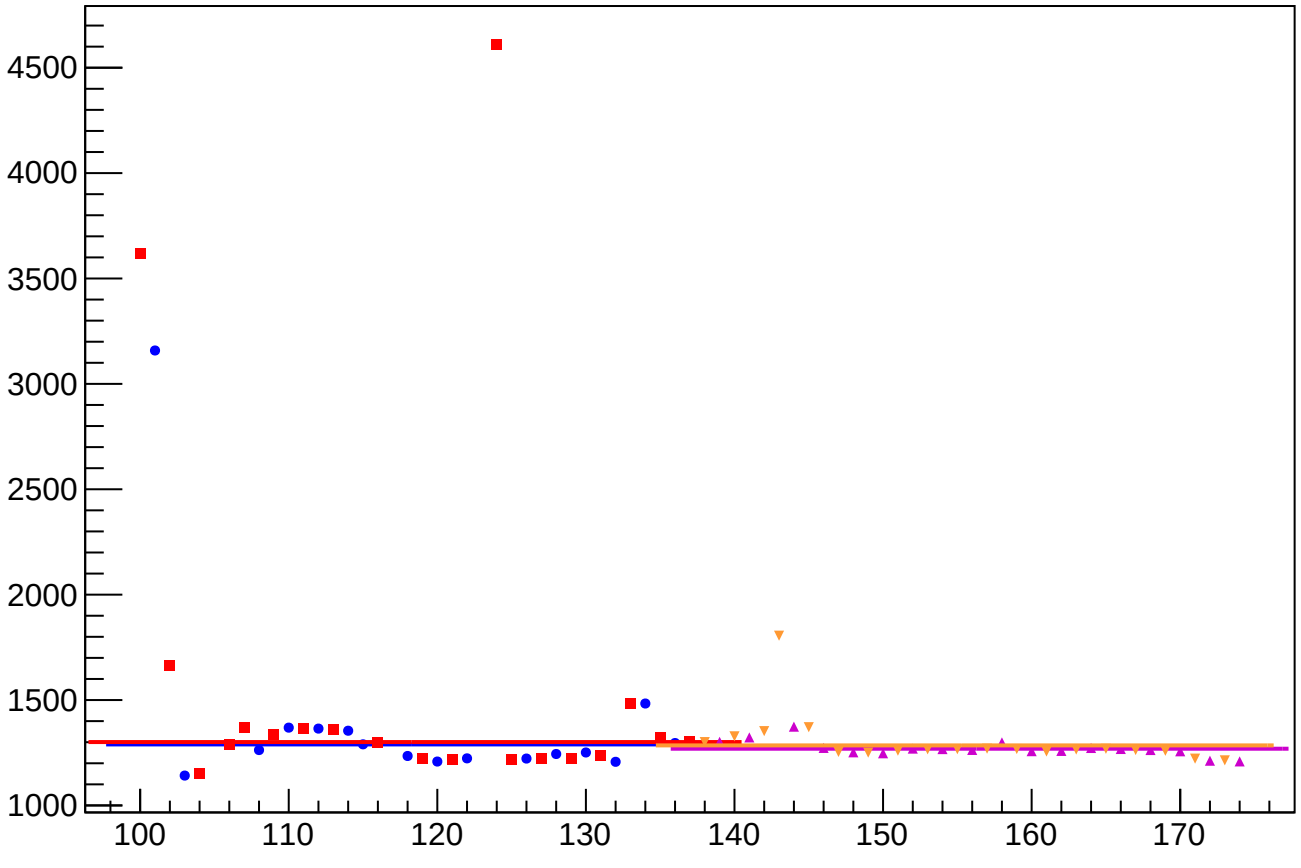
Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3869.740+/-0.595 χ^2/NDF:1695353.6/33

Out: 3230.412+/-0.515 χ^2/NDF:4958592.1/37

All: 3504.220+/-0.390 χ^2/NDF: 7313320.5/71


cor_asym_at1_avg_at2_avg_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -631.427+/-488.663 χ²/NDF: 13.9/15
Left Out: 800.137+/-332.268 χ²/NDF:37.3/18
Right Out: -38.623+/-488.084 χ²/NDF: 16.3/18
Left In: -594.340+/-329.096 χ²/NDF:10.0/17
Left: 96.212+/-233.819 χ²/NDF: 56.1/36
Right: -334.674+/-345.332 χ²/NDF: 30.9/34
In: -605.912+/-272.965 χ²/NDF:23.8/33
Out: 534.522+/-274.664 χ²/NDF:55.6/37
All: -39.232+/-193.613 χ²/NDF: 88.1/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

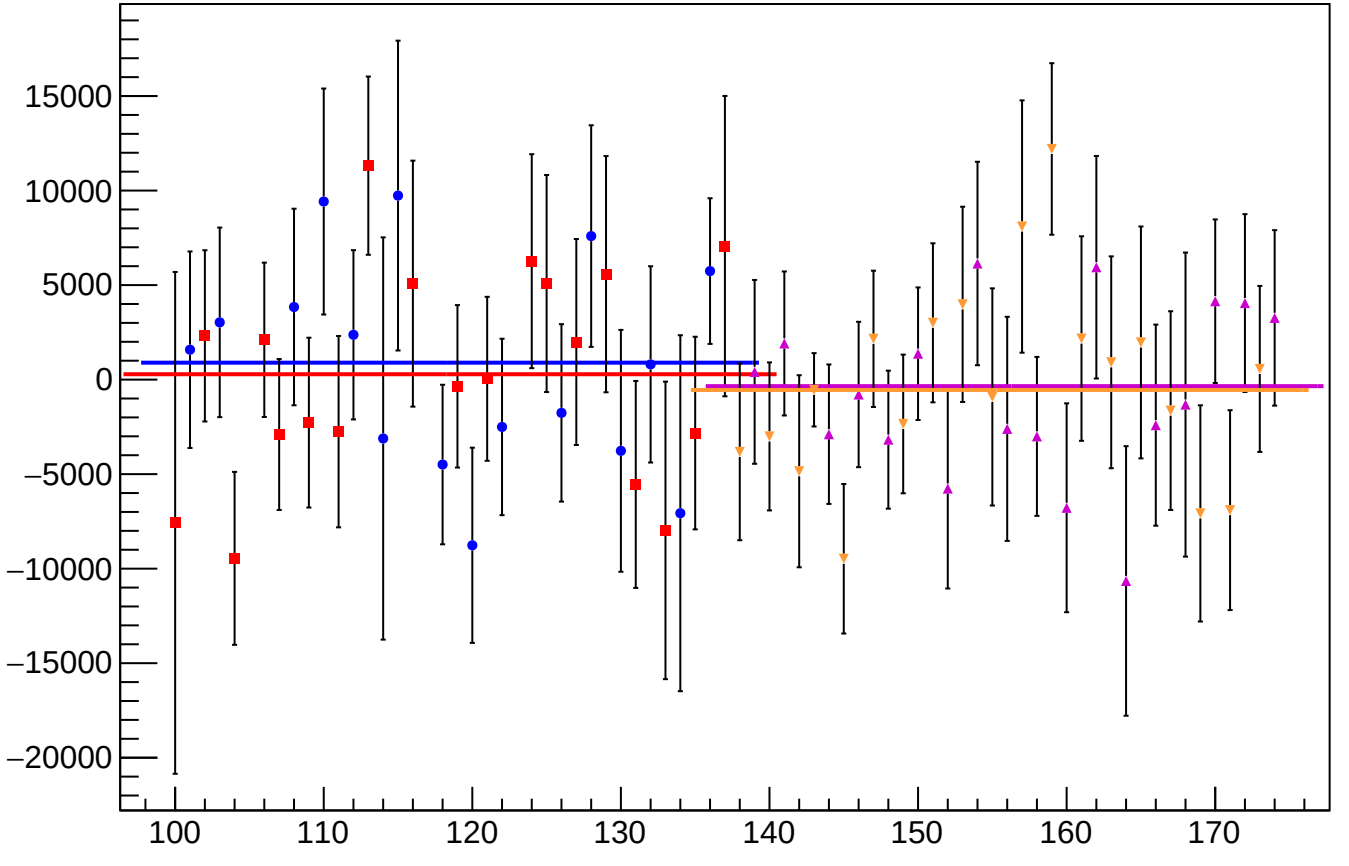
Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71

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: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

Left: -459.281+/-722.676 χ^2/NDF: 34.0/36

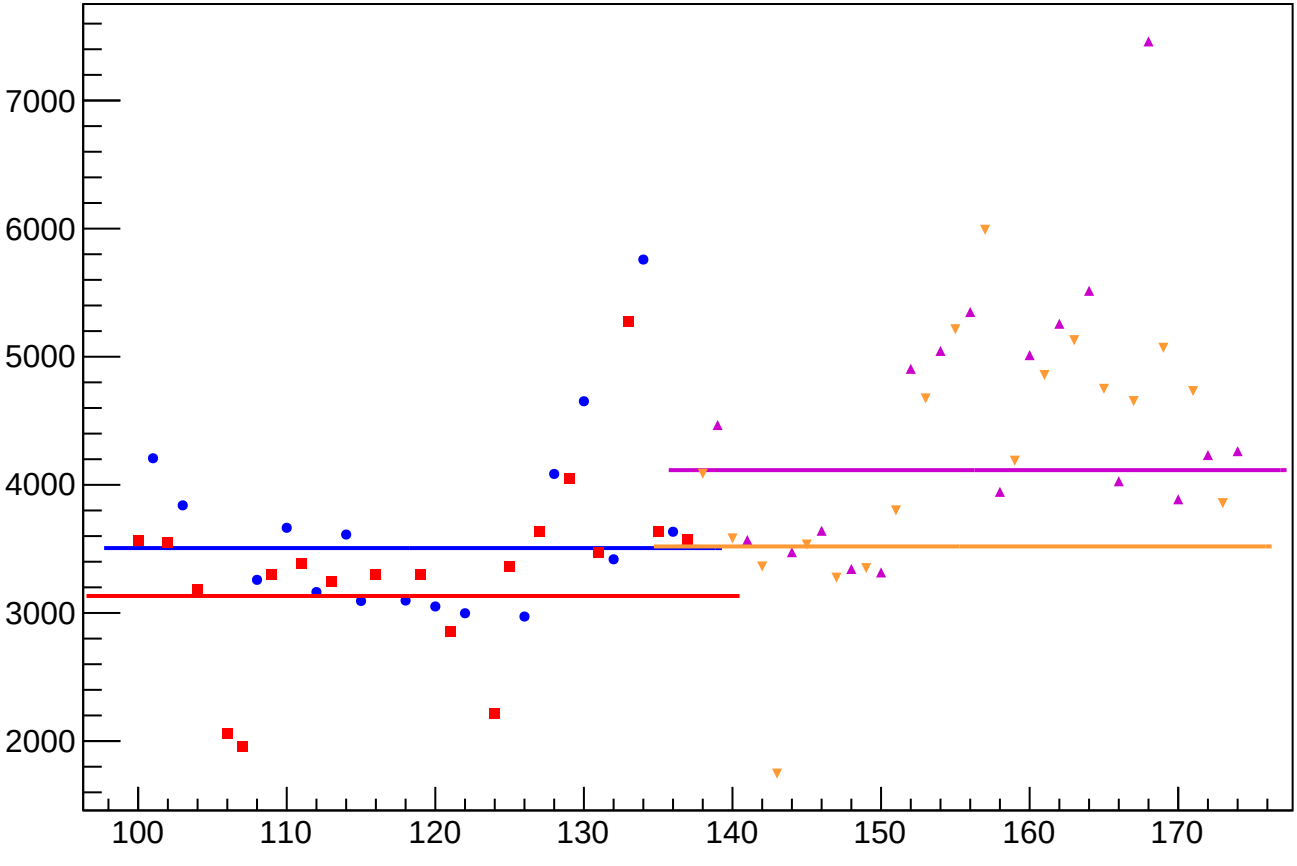
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -51.912+/-559.118 χ^2/NDF: 67.6/71

asym_at1_avg_at2_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

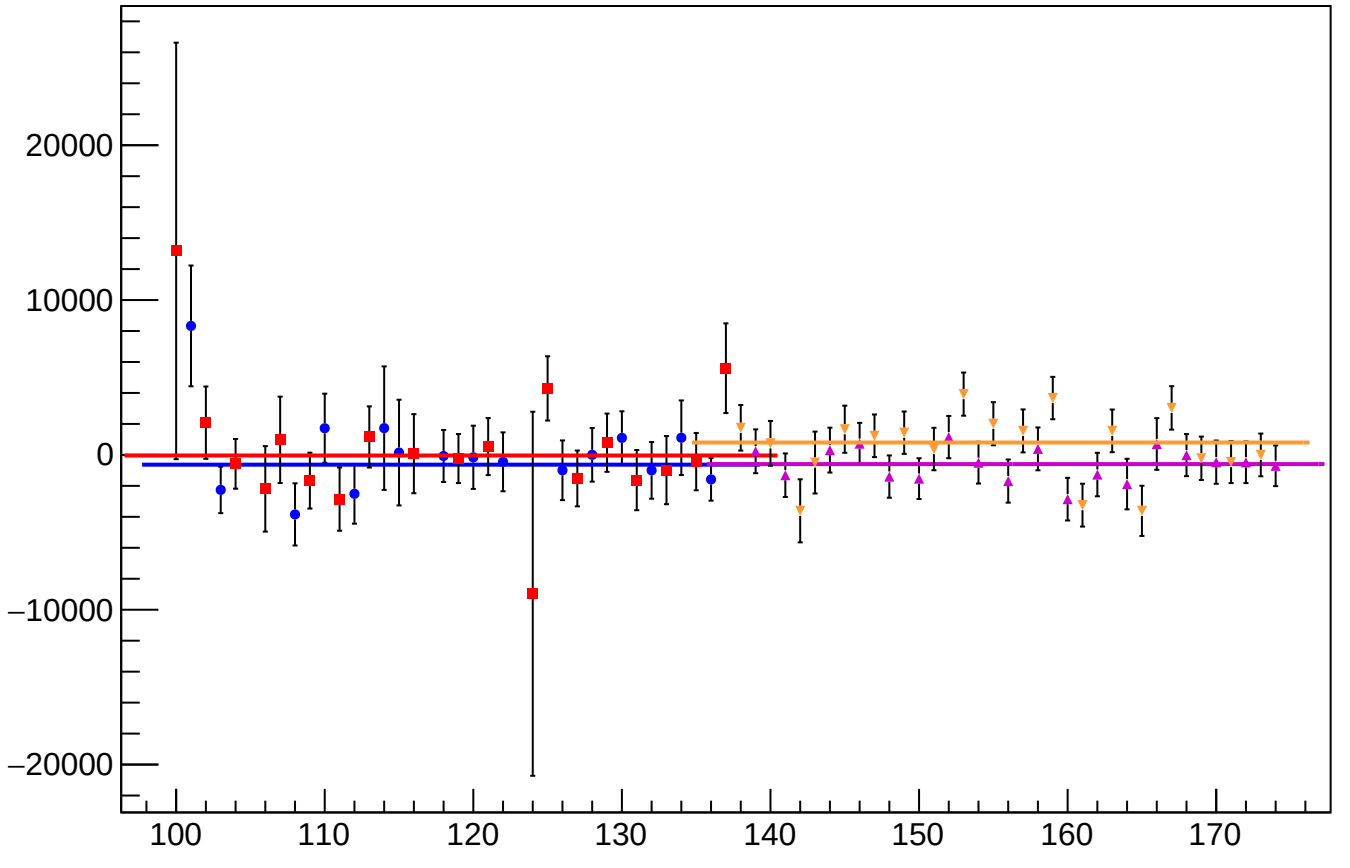
Left: 3780.960+/-0.511 χ^2/NDF: 4468683.2/36

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

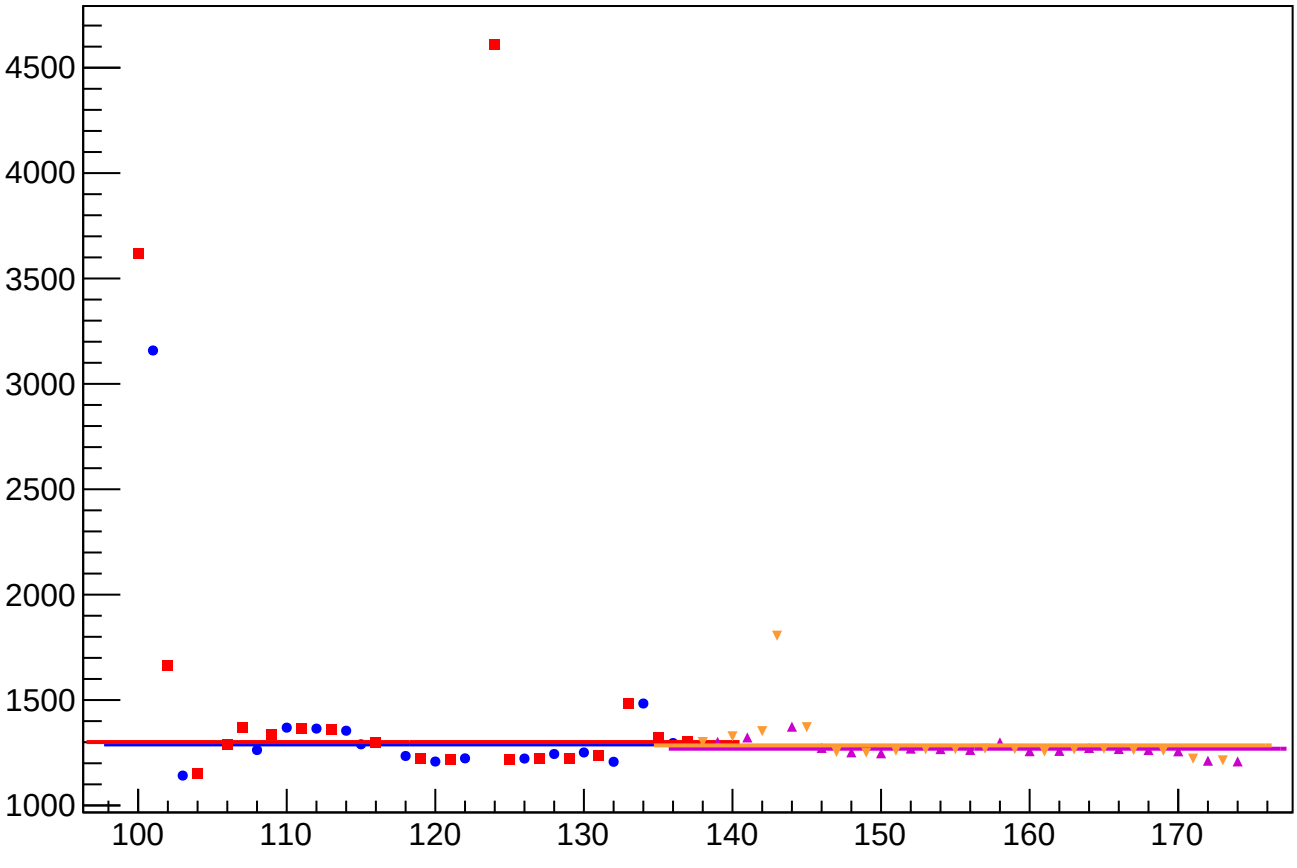
Left: 96.212+/-233.819 χ^2/NDF: 56.1/36

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -39.232+/-193.613 χ^2/NDF: 88.1/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

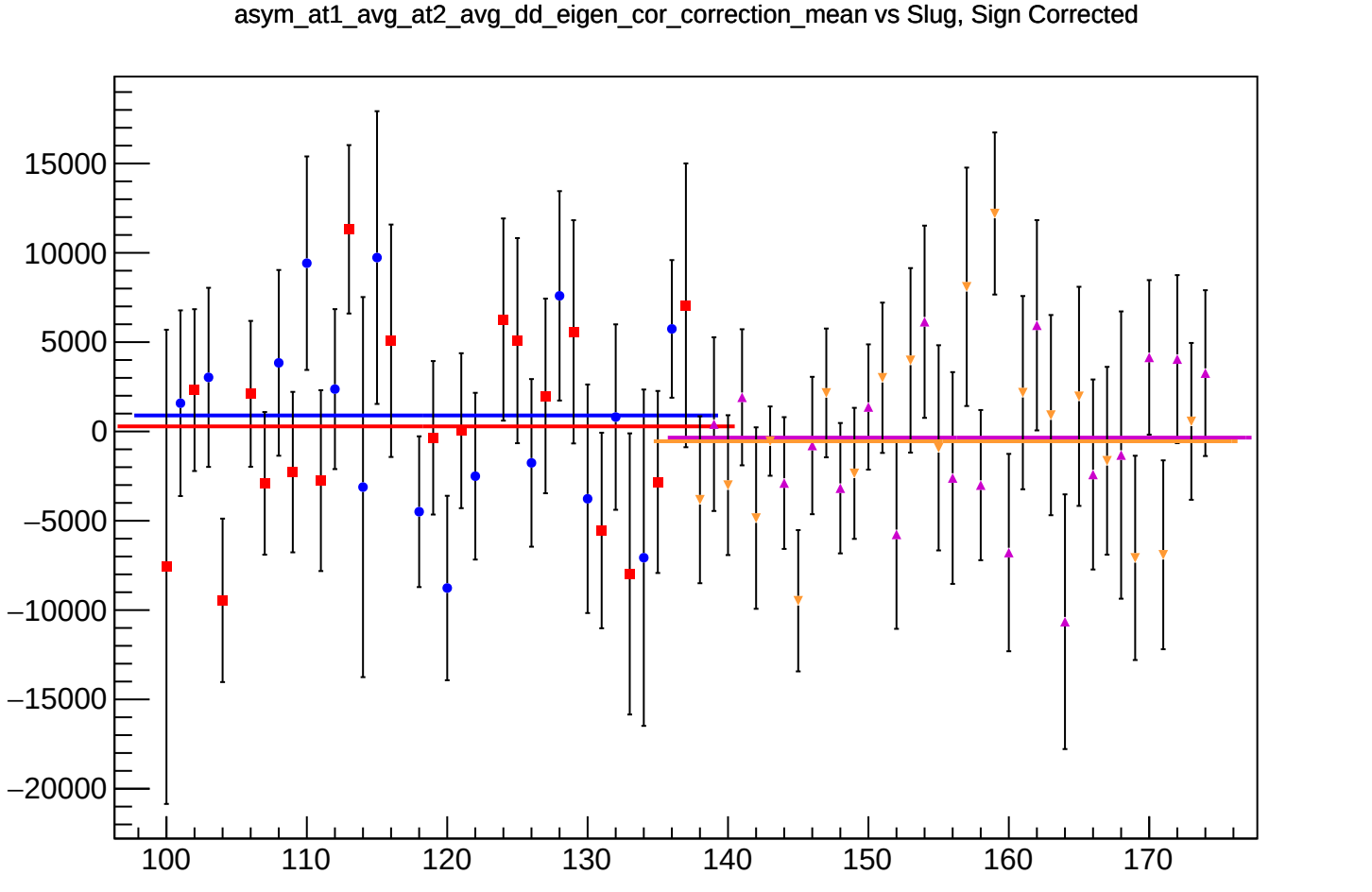
Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

Left: -459.281+/-722.676 χ^2/NDF: 34.0/36

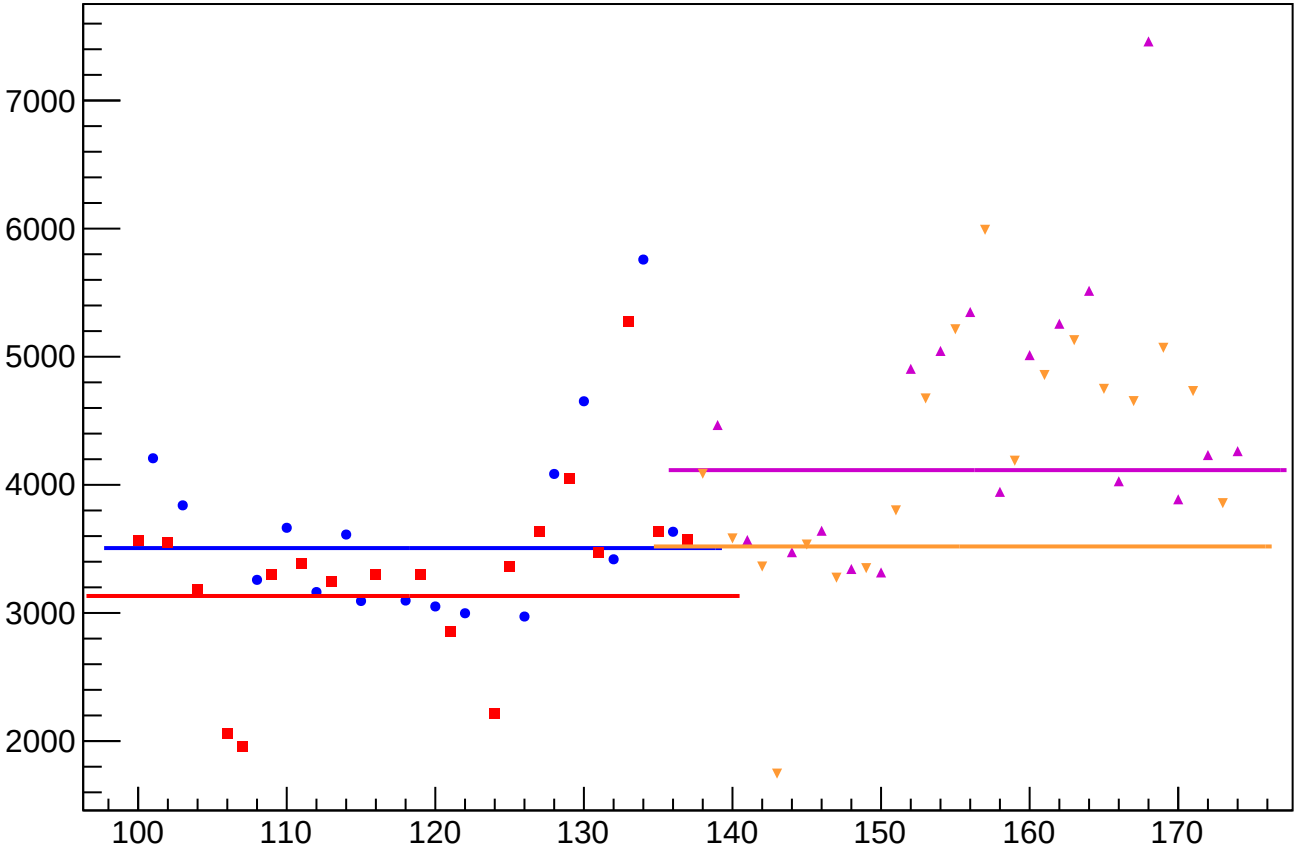
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -51.912+/-559.118 χ^2/NDF: 67.6/71

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

Left: 3780.960+/-0.511 χ^2/NDF: 4468683.2/36

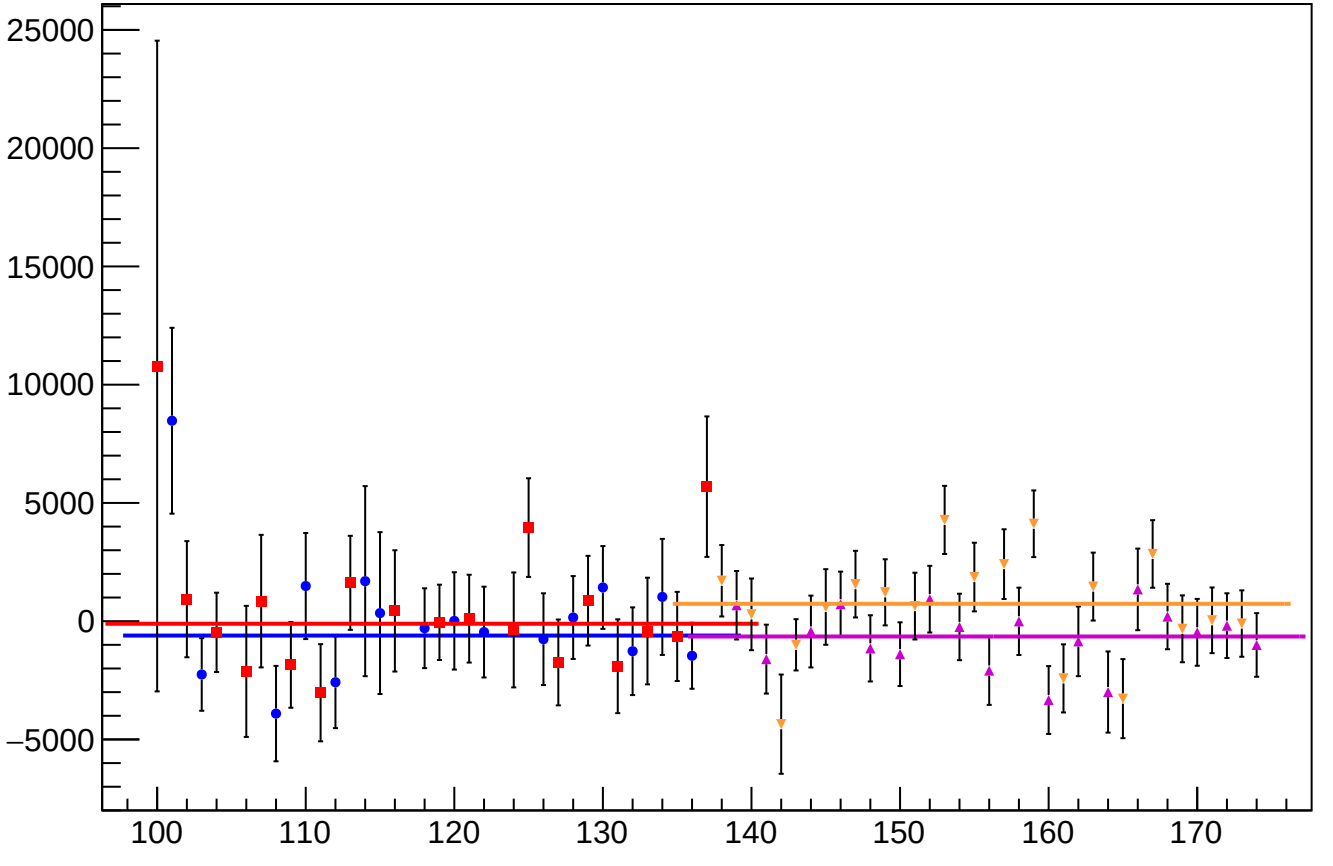
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

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: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -647.406+/-339.439 χ^2/NDF:12.5/17

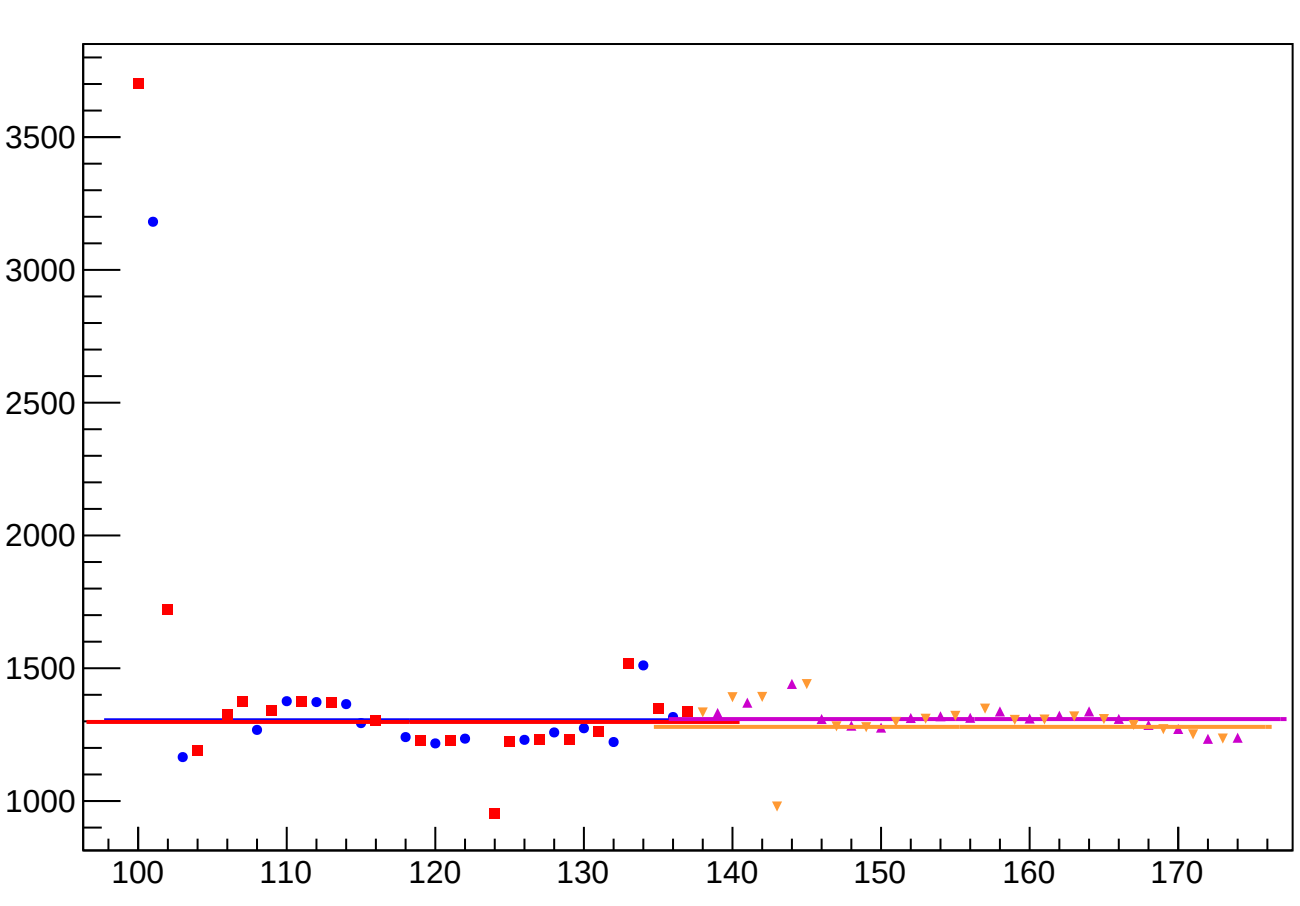
Left: 61.039+/-237.011 χ^2/NDF: 58.3/36

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -634.720+/-279.794 χ^2/NDF:26.6/33

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -71.276+/-195.598 χ^2/NDF: 88.8/71



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1279.191+/-0.234 χ^2/NDF:206354.8/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

Left: 1293.521+/-0.168 χ^2/NDF: 250009.5/36

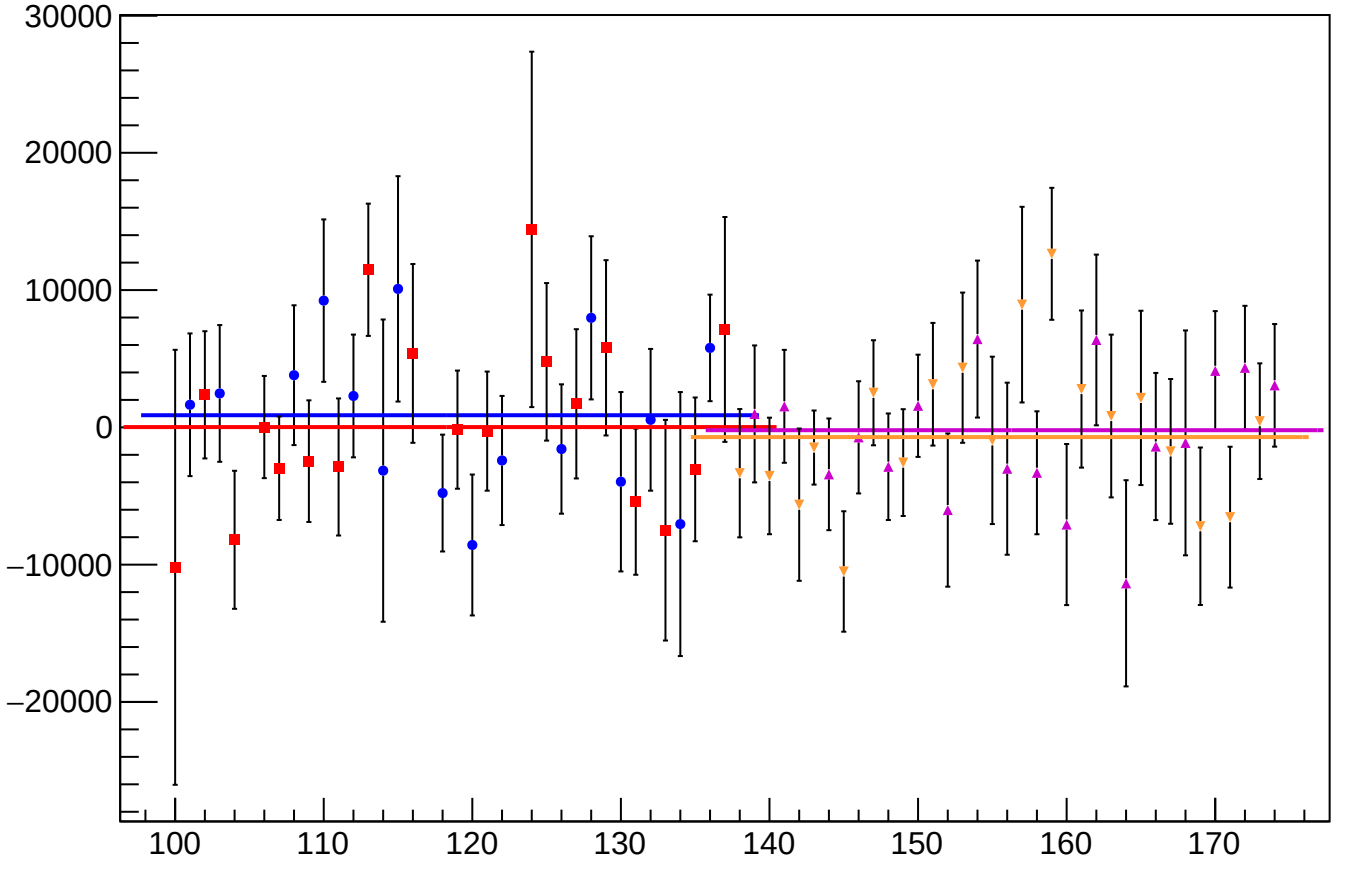
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.147+/-0.198 χ^2/NDF:546670.8/33

Out: 1285.102+/-0.193 χ^2/NDF:421458.2/37

All: 1295.873+/-0.138 χ^2/NDF: 974478.7/71

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -708.290+/-1068.709 χ^2/NDF:22.0/18

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -206.543+/-1139.188 χ^2/NDF:12.0/17

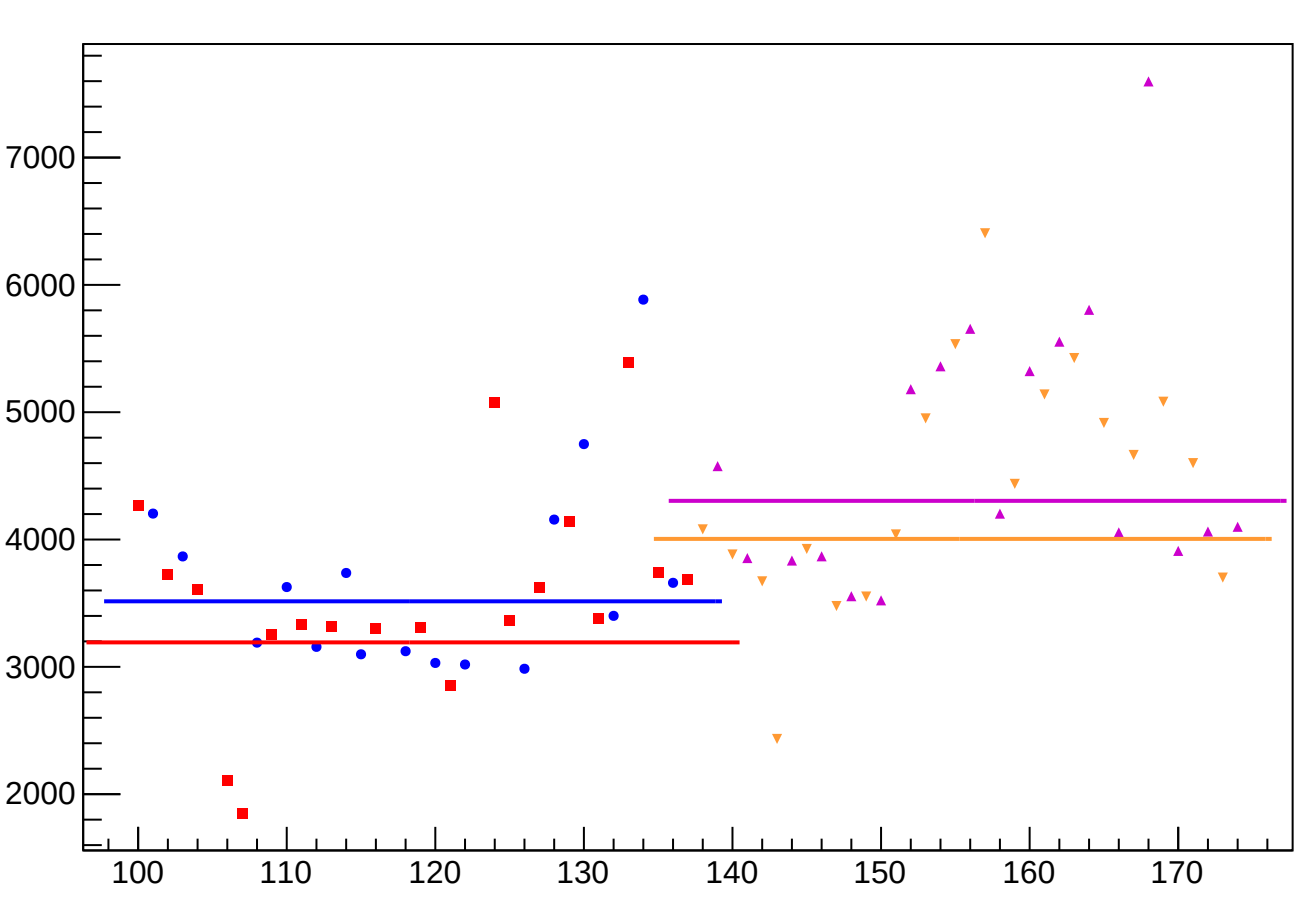
Left: -473.417+/-779.417 χ^2/NDF: 34.1/36

Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 256.021+/-864.480 χ^2/NDF:26.5/33

Out: -385.854+/-798.093 χ^2/NDF:39.1/37

All: -90.506+/-586.404 χ^2/NDF: 65.8/71



Right In: 3514.746+/-0.939 χ^2/NDF: 375078.6/15

Left Out: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

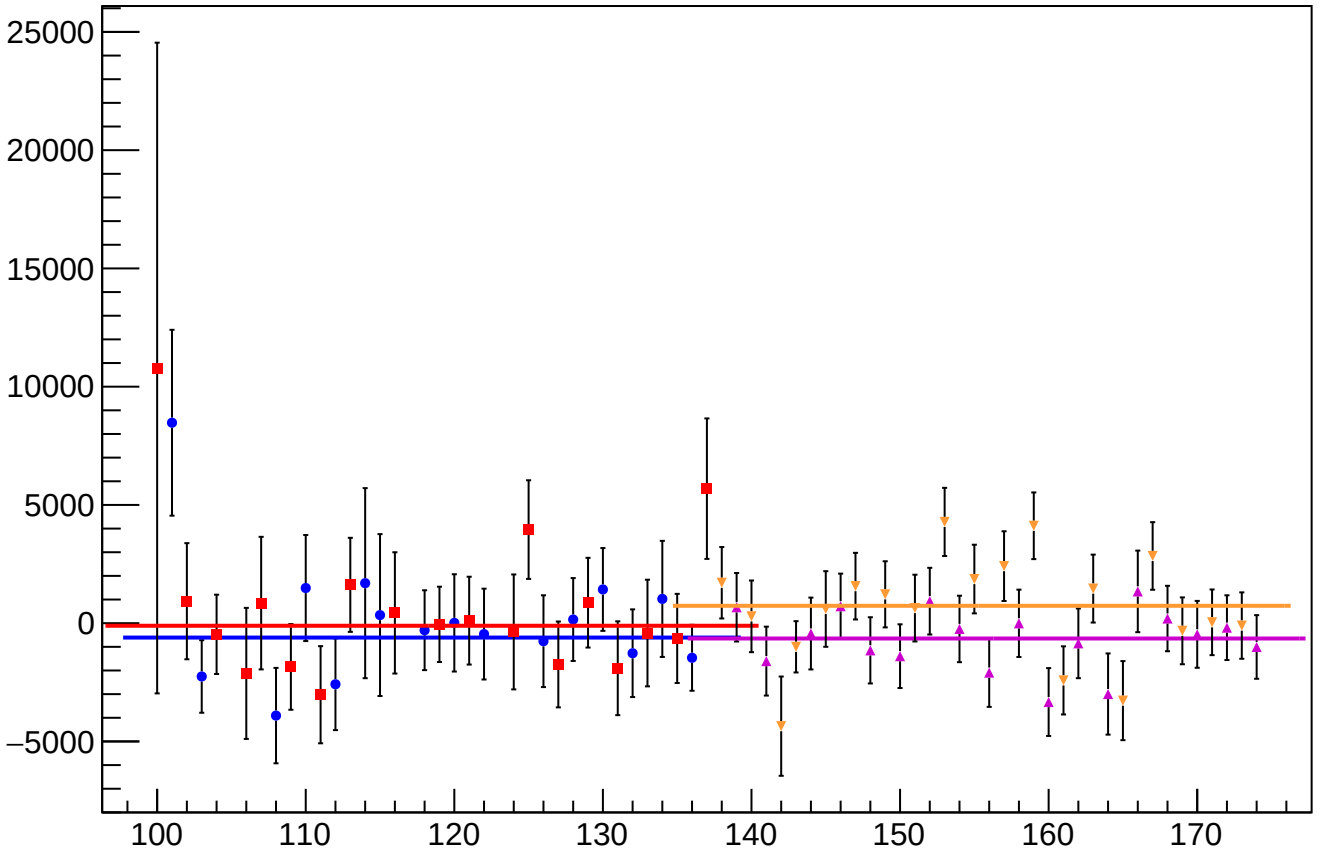
Left: 4144.900+/-0.551 χ^2/NDF: 2657973.8/36

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3969.166+/-0.611 χ^2/NDF:1810578.4/33

Out: 3645.488+/-0.564 χ^2/NDF:2840480.3/37

All: 3794.423+/-0.415 χ^2/NDF: 4802426.0/71



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -647.407+/-339.439 χ^2/NDF:12.5/17

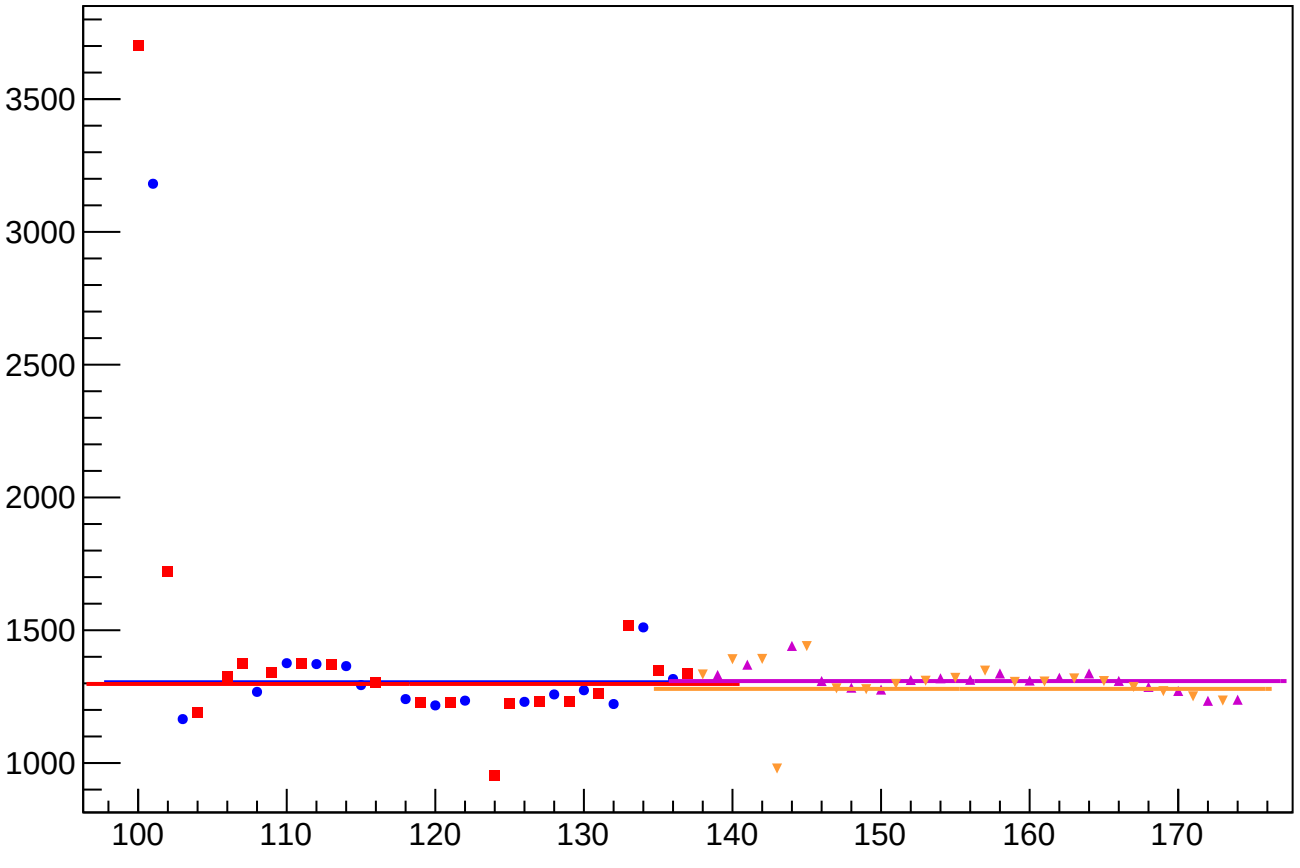
Left: 61.040+/-237.011 χ^2/NDF: 58.3/36

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -634.721+/-279.794 χ^2/NDF:26.6/33

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -71.277+/-195.598 χ^2/NDF: 88.8/71



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1279.192+/-0.234 χ^2/NDF:206356.0/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

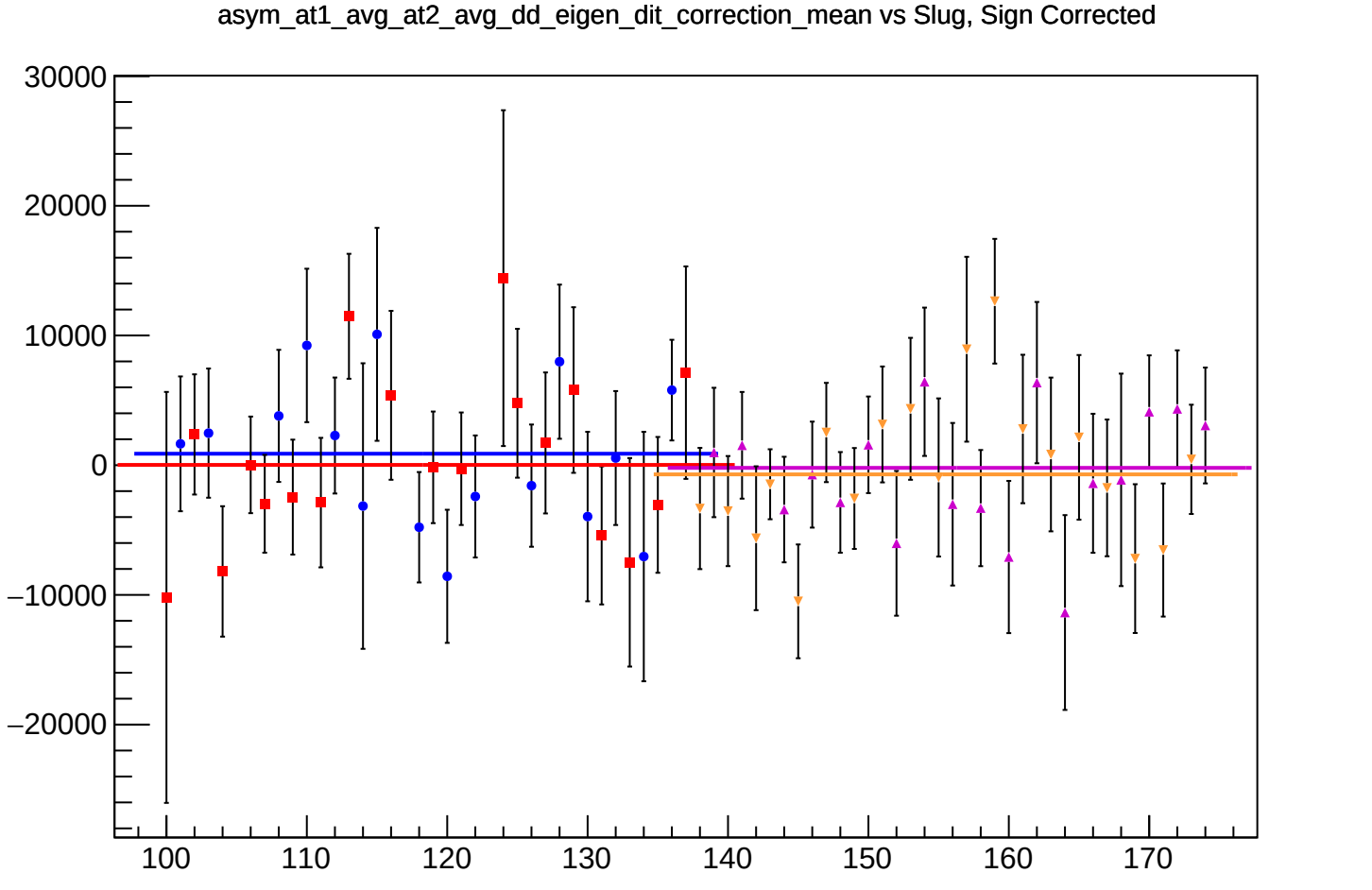
Left: 1293.522+/-0.168 χ^2/NDF: 250011.8/36

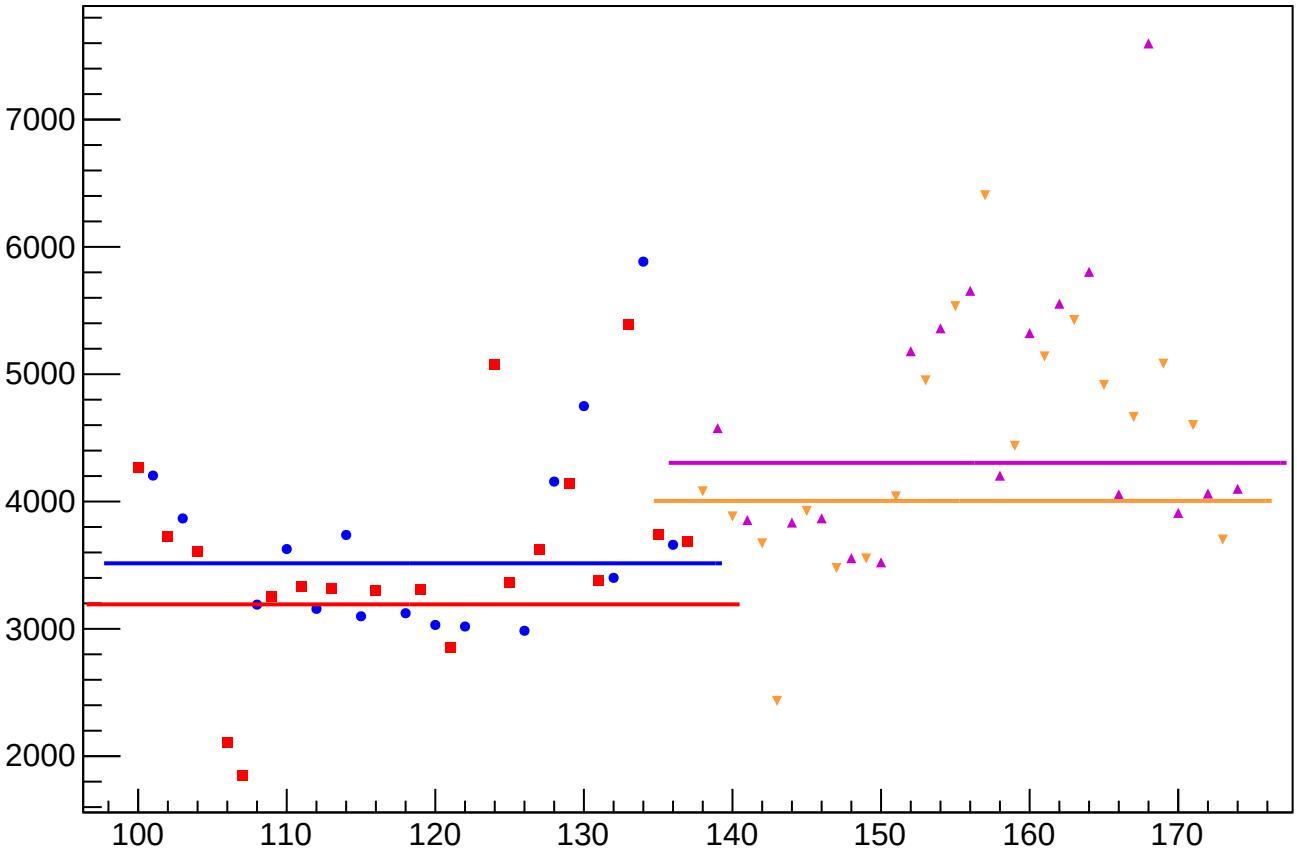
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.148+/-0.198 χ^2/NDF:546672.1/33

Out: 1285.102+/-0.193 χ^2/NDF:421459.3/37

All: 1295.874+/-0.138 χ^2/NDF: 974481.2/71


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 884.047+/-1327.396 χ²/NDF: 14.1/15
Left Out: -708.288+/-1068.711 χ²/NDF:22.0/18
Right Out: 20.677+/-1200.012 χ²/NDF: 16.8/18
Left In: -206.542+/-1139.189 χ²/NDF:12.0/17
Left: -473.415+/-779.418 χ²/NDF: 34.1/36
Right: 408.958+/-890.174 χ²/NDF: 31.2/34
In: 256.019+/-864.479 χ²/NDF:26.5/33
Out: -385.853+/-798.093 χ²/NDF:39.1/37
All: -90.506+/-586.403 χ²/NDF: 65.8/71



Right In: 3514.737+/-0.939 χ^2/NDF: 375082.8/15

Left Out: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

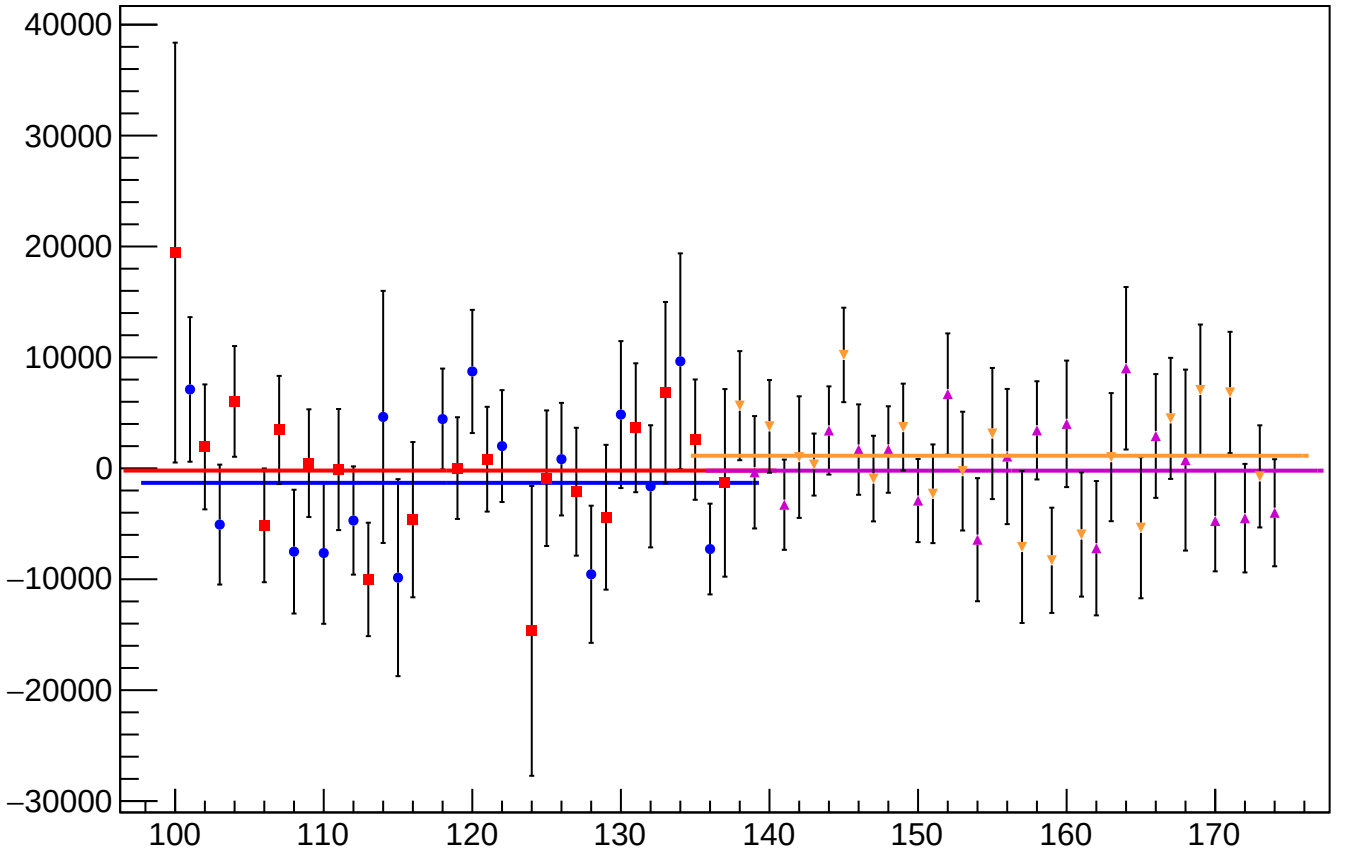
Left: 4144.907+/-0.551 χ^2/NDF: 2657976.5/36

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3969.164+/-0.611 χ^2/NDF:1810601.1/33

Out: 3645.487+/-0.564 χ^2/NDF:2840501.8/37

All: 3794.421+/-0.415 χ^2/NDF: 4802470.1/71



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -210.269+/-1146.548 χ^2/NDF:12.1/17

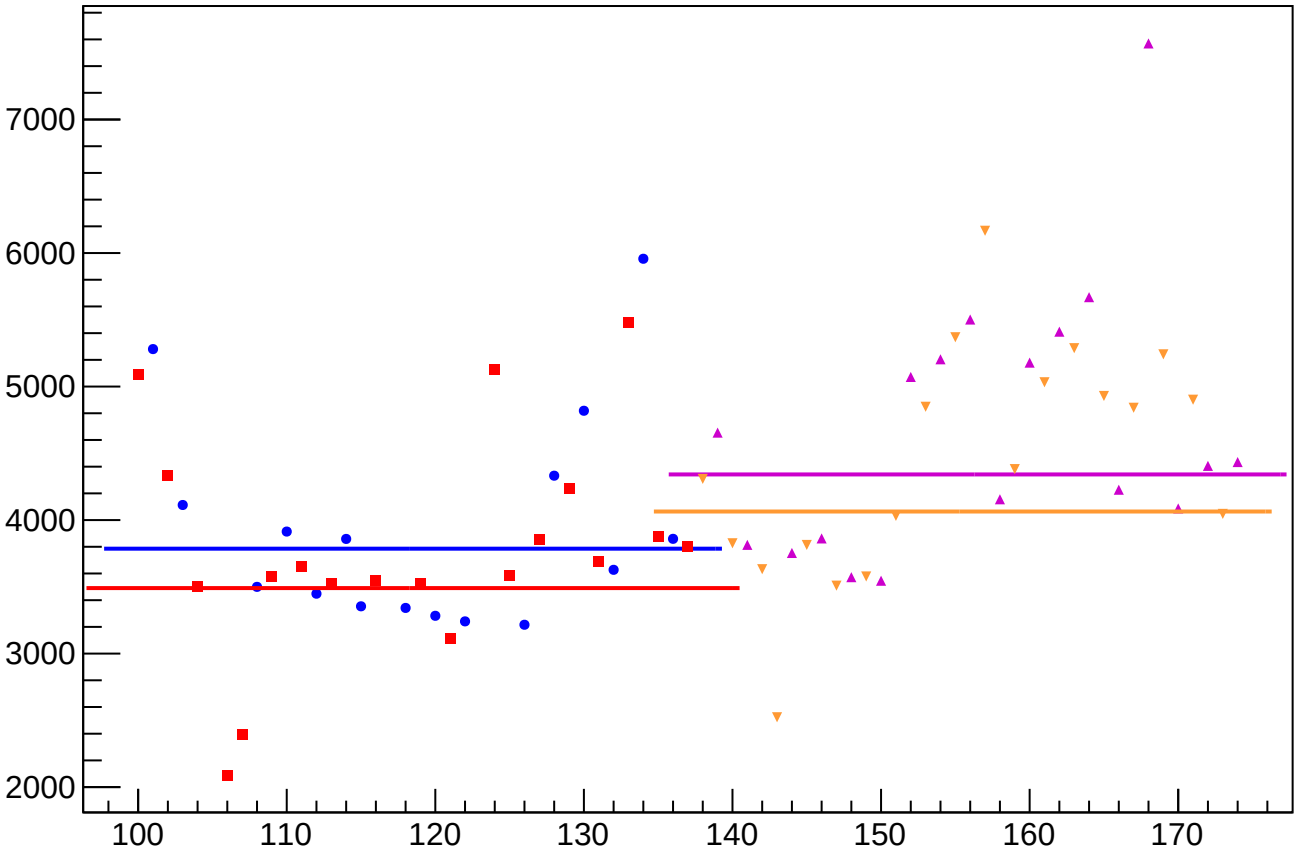
Left: 502.399+/-786.328 χ^2/NDF: 30.9/36

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -639.748+/-894.923 χ^2/NDF:30.1/33

Out: 606.683+/-840.126 χ^2/NDF:30.3/37

All: 22.793+/-612.515 χ^2/NDF: 61.4/71



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

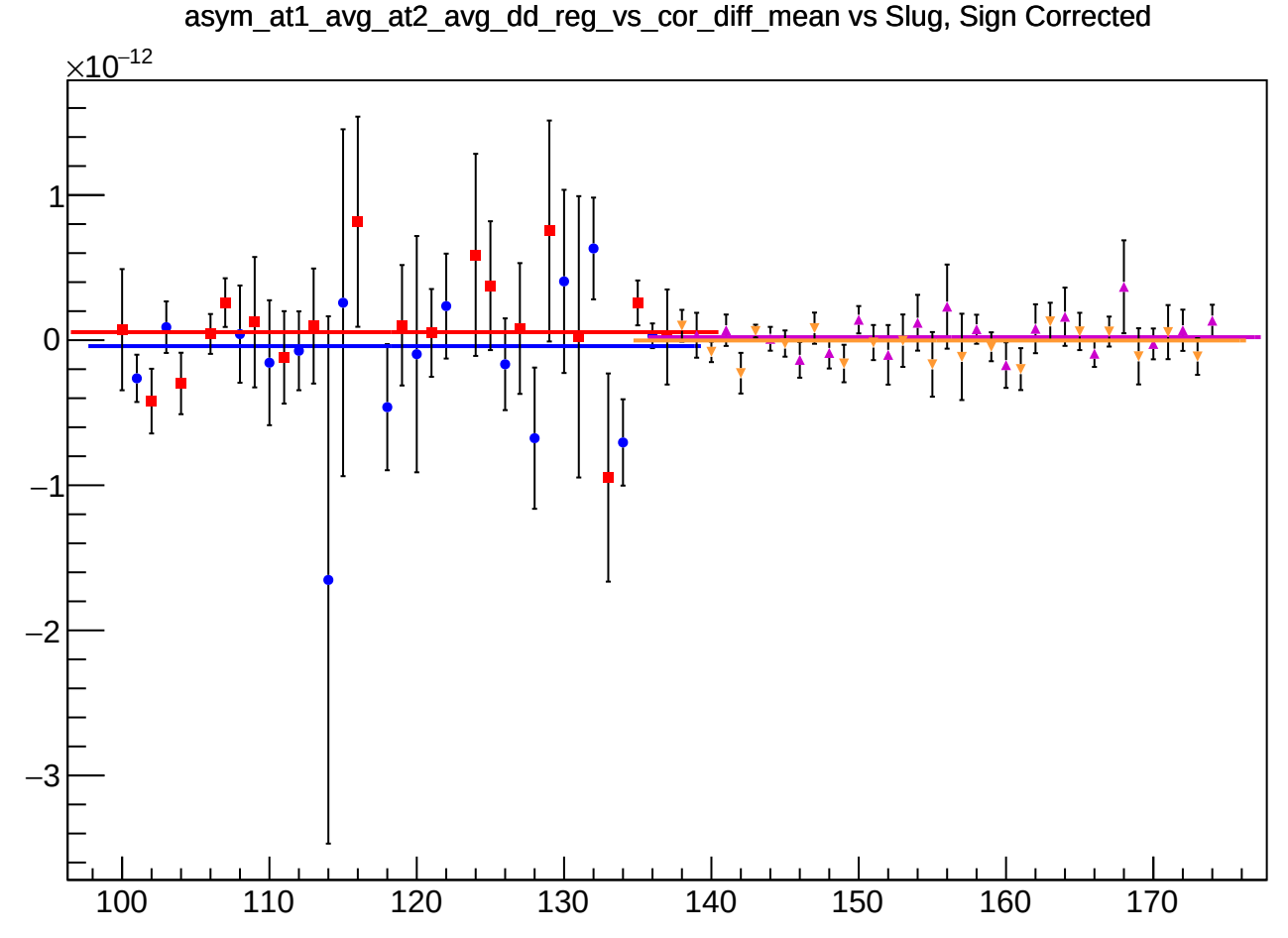
Left: 4194.749+/-0.556 χ^2/NDF: 2398114.1/36

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4124.557+/-0.633 χ^2/NDF:1500307.3/33

Out: 3833.577+/-0.591 χ^2/NDF:2215699.3/37

All: 3969.094+/-0.432 χ^2/NDF: 3828974.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/17

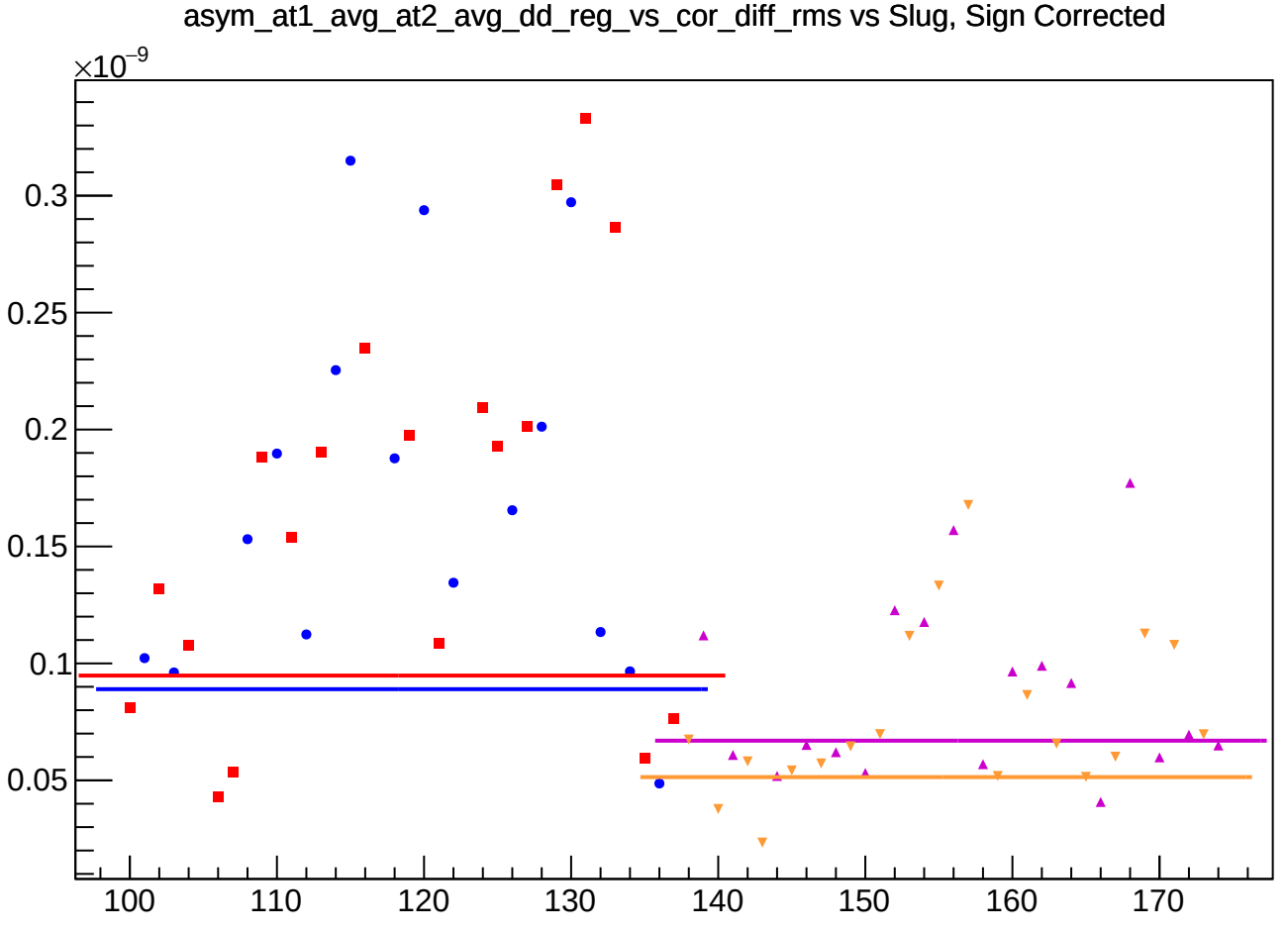
Left: 0.000+/-0.000 χ^2/NDF: 27.1/36

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/33

Out: 0.000+/-0.000 χ^2/NDF:31.2/37

All: 0.000+/-0.000 χ^2/NDF: 60.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2392370.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

Left: 0.000+/-0.000 χ^2/NDF: 4104238.9/36

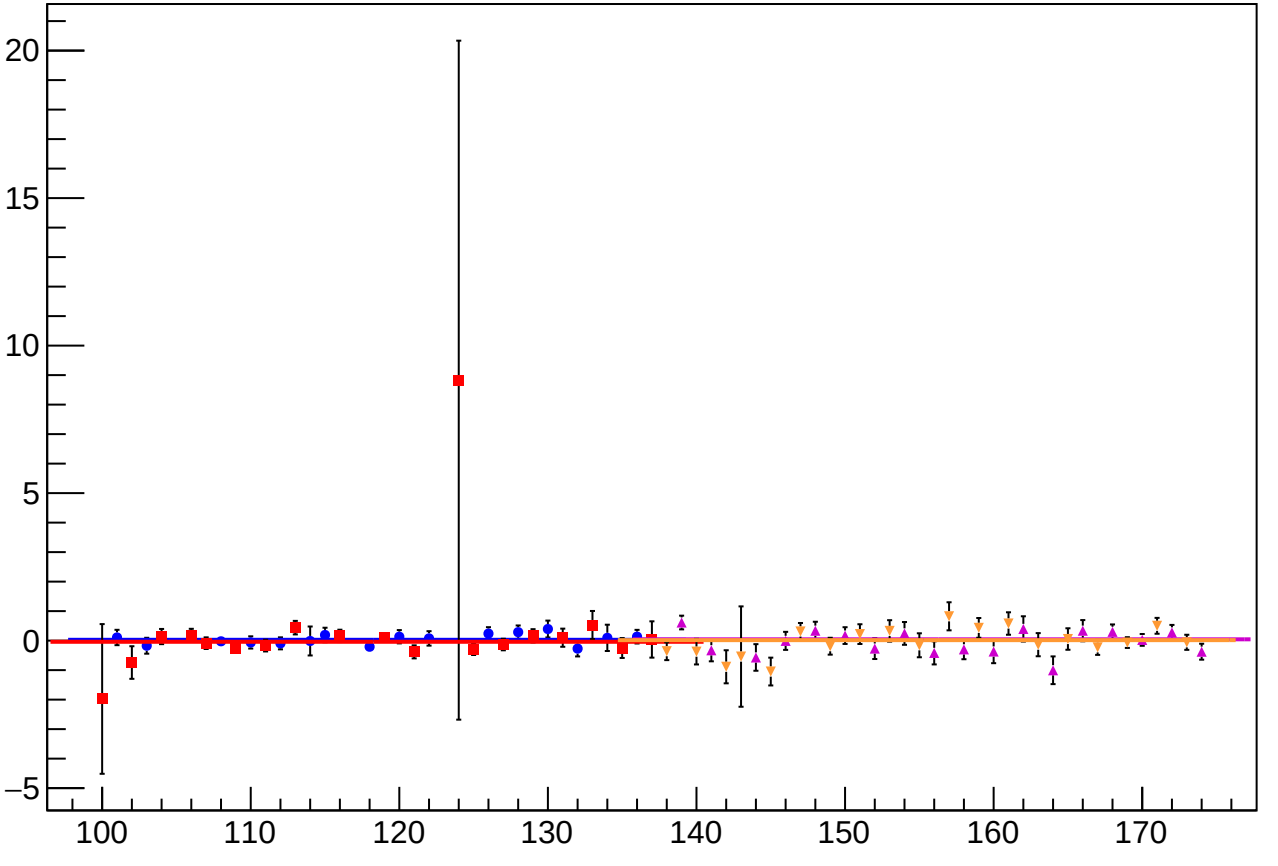
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3059842.5/33

Out: 0.000+/-0.000 χ^2/NDF:4934415.5/37

All: 0.000+/-0.000 χ^2/NDF: 8349189.5/71

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

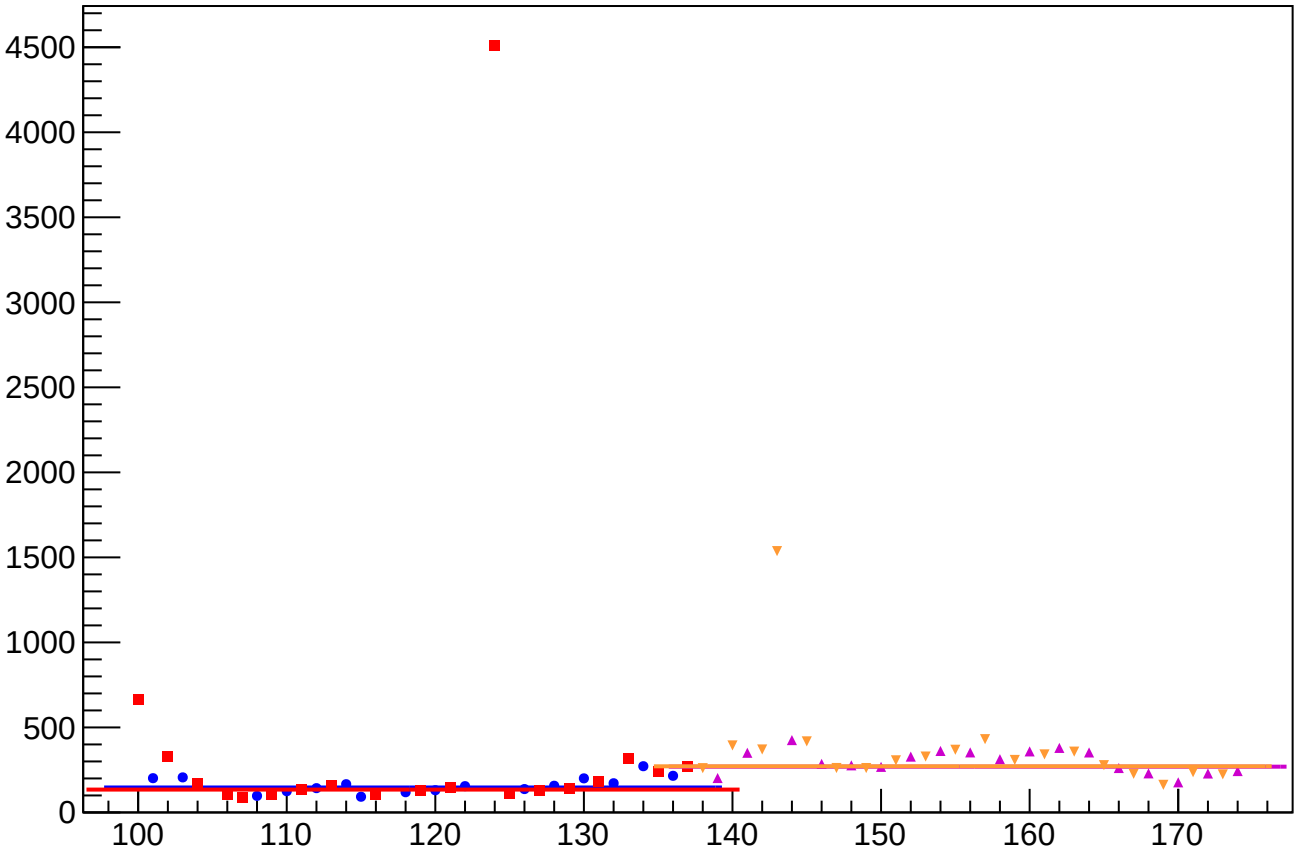
Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

Left: 270.304+/-0.037 χ^2/NDF: 4658240.7/36

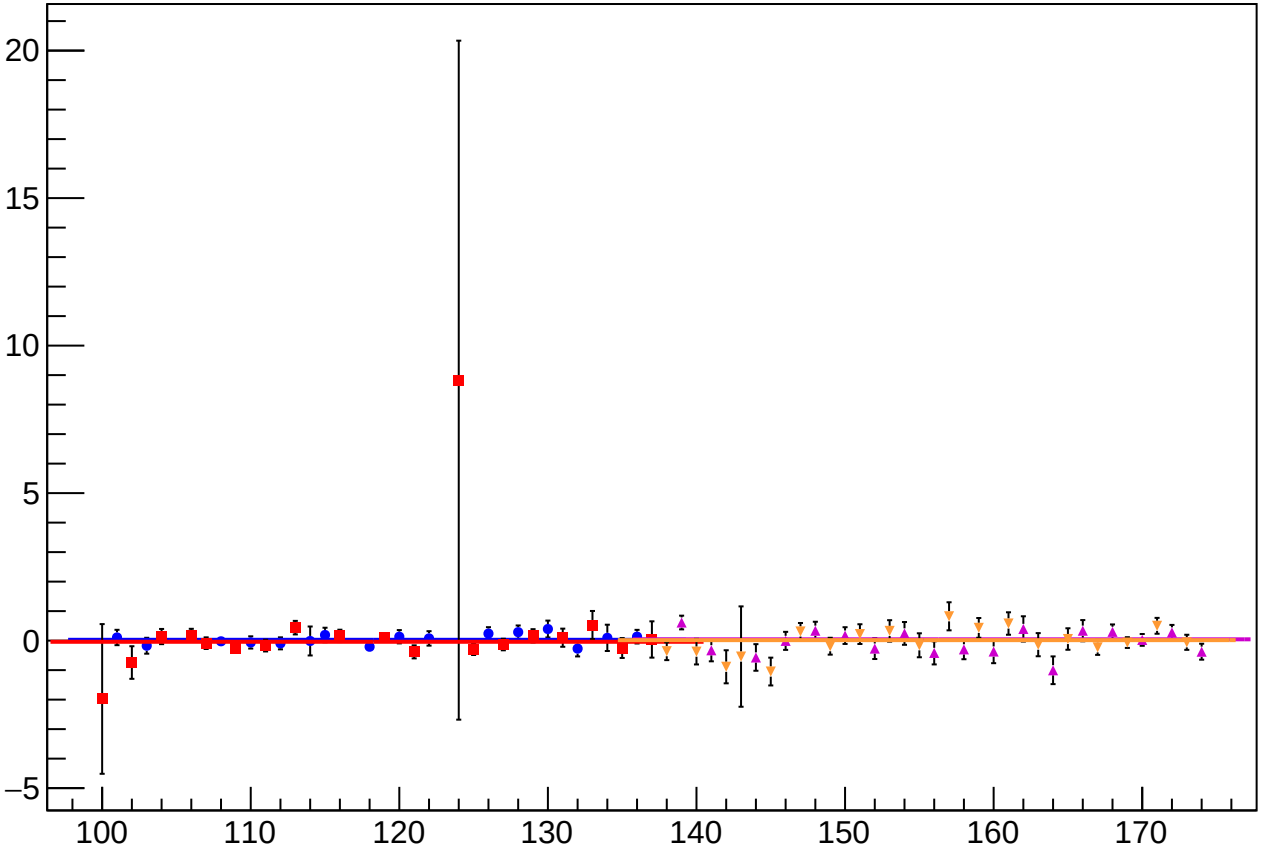
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

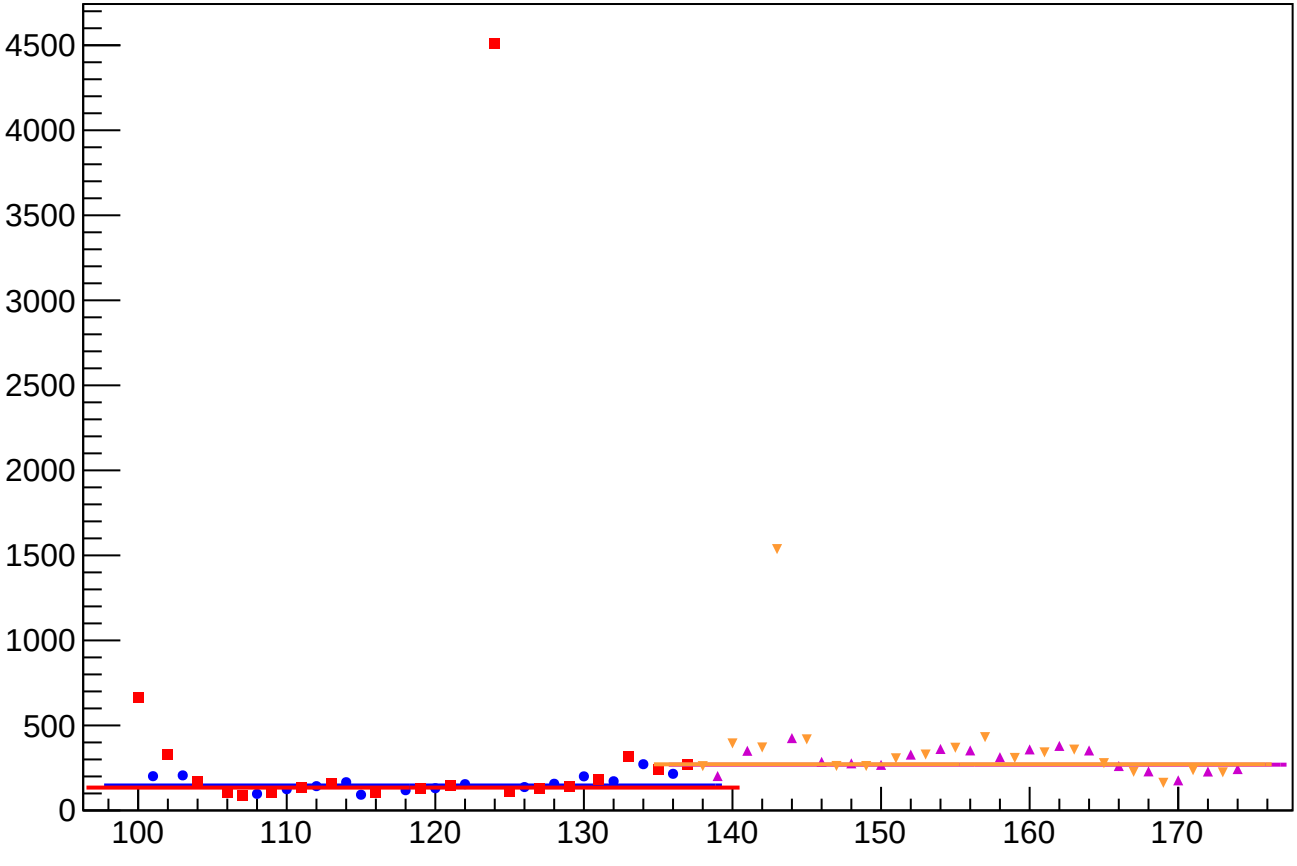
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

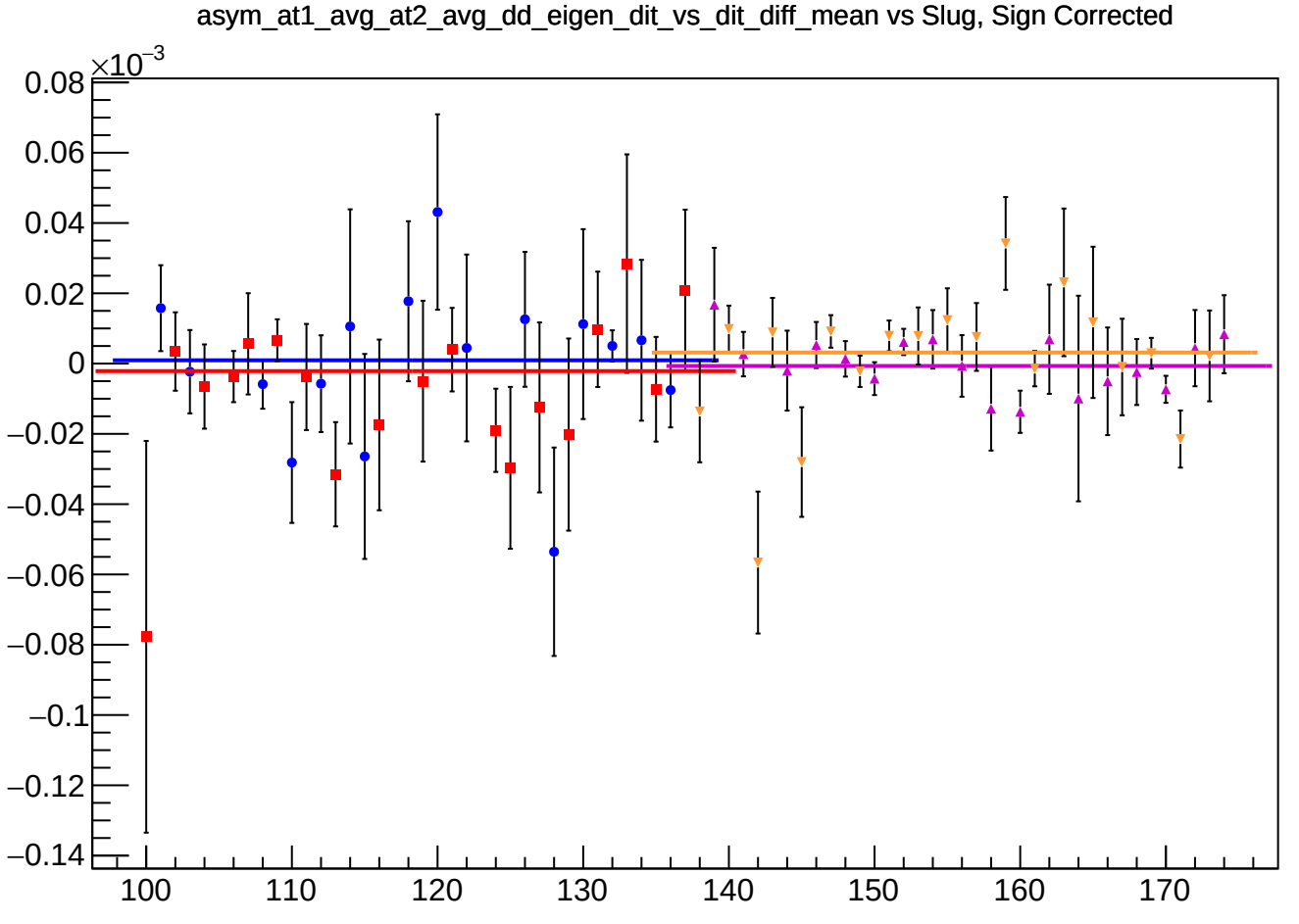
Left: 270.304+/-0.037 χ^2/NDF: 4658240.7/36

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

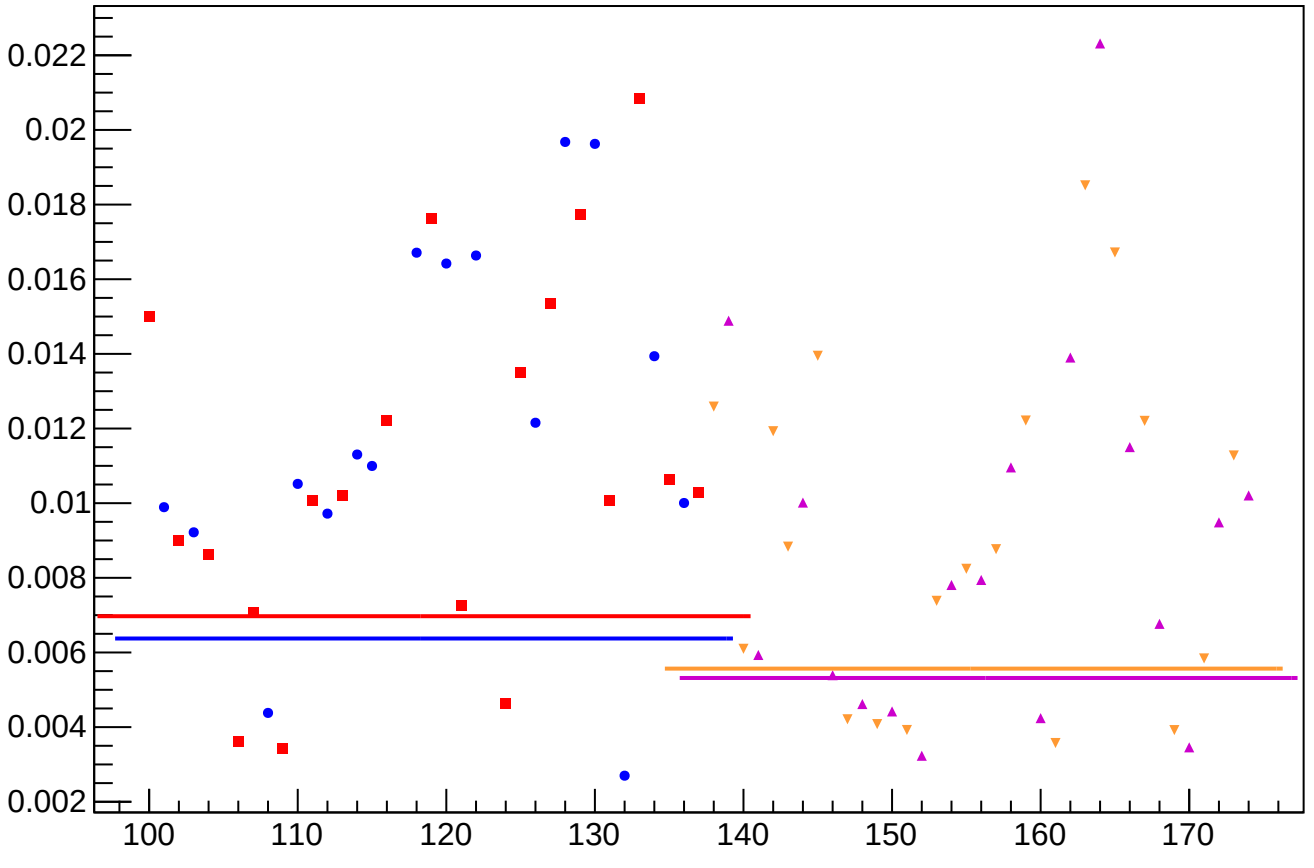
Left: 0.000+/-0.000 χ^2/NDF: 58.0/36

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.4/33

Out: 0.000+/-0.000 χ^2/NDF:56.4/37

All: 0.000+/-0.000 χ^2/NDF: 90.0/71



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5913832.2/18

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

Left: 0.005+/-0.000 χ^2/NDF: 11411767.7/36

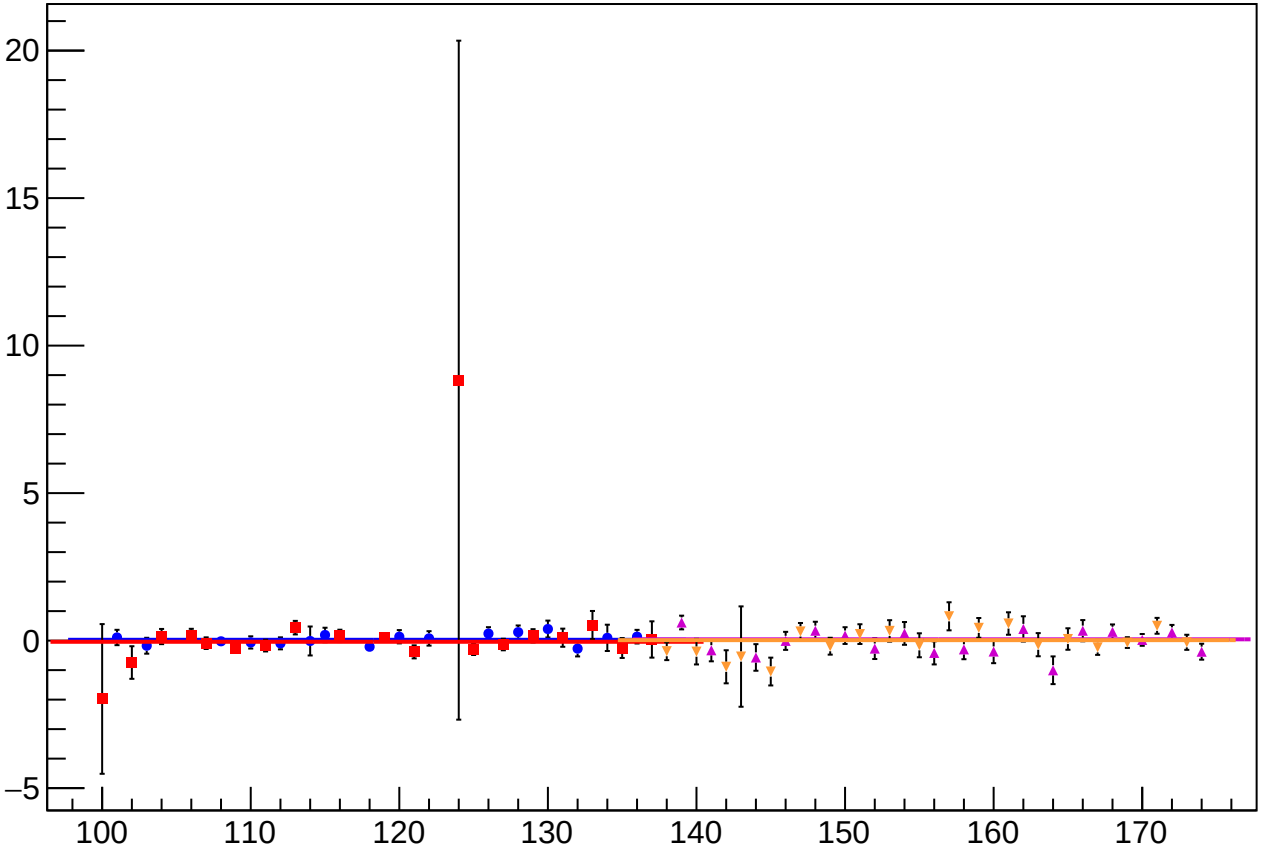
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10314569.2/33

Out: 0.006+/-0.000 χ^2/NDF:9656185.3/37

All: 0.006+/-0.000 χ^2/NDF: 20024617.4/71

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

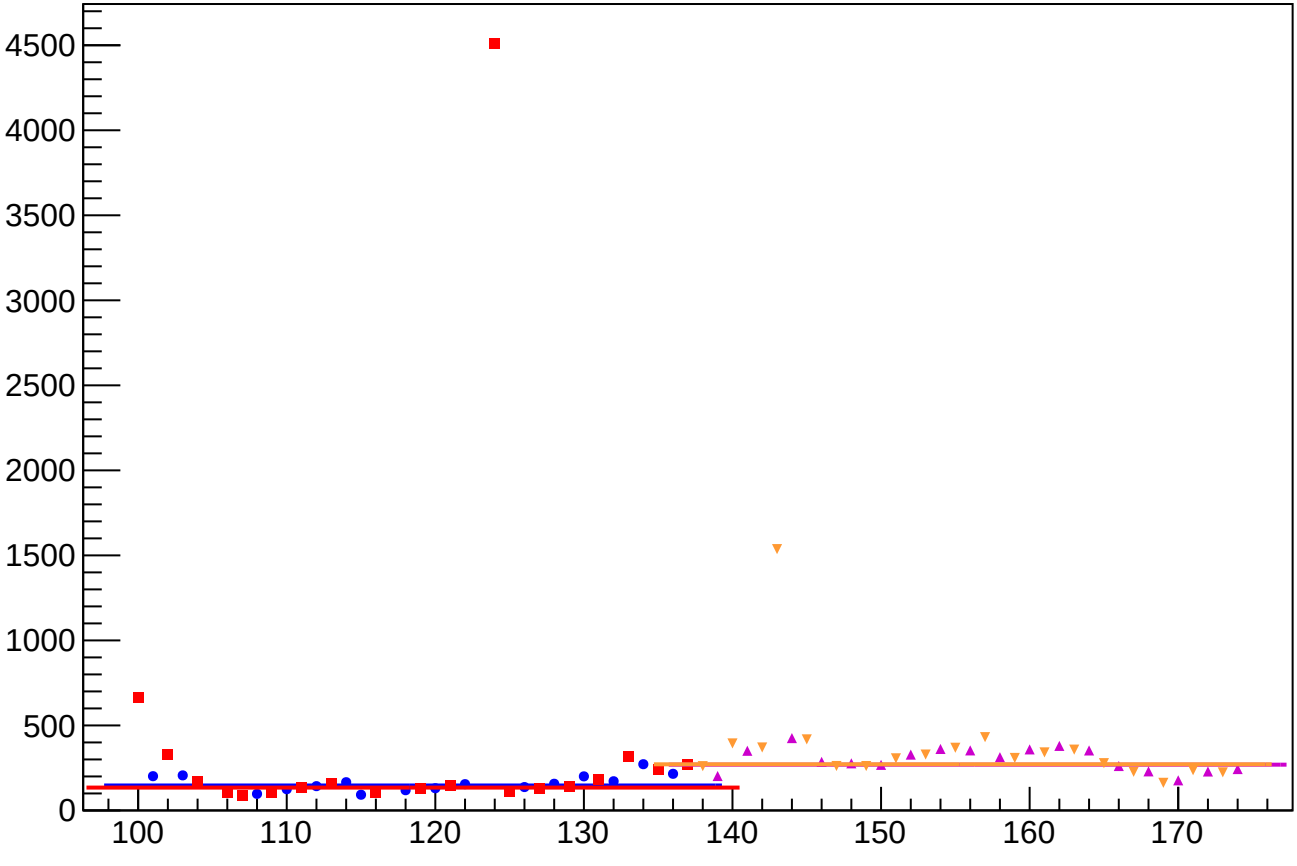
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

Left: 270.305+/-0.037 χ^2/NDF: 4658446.9/36

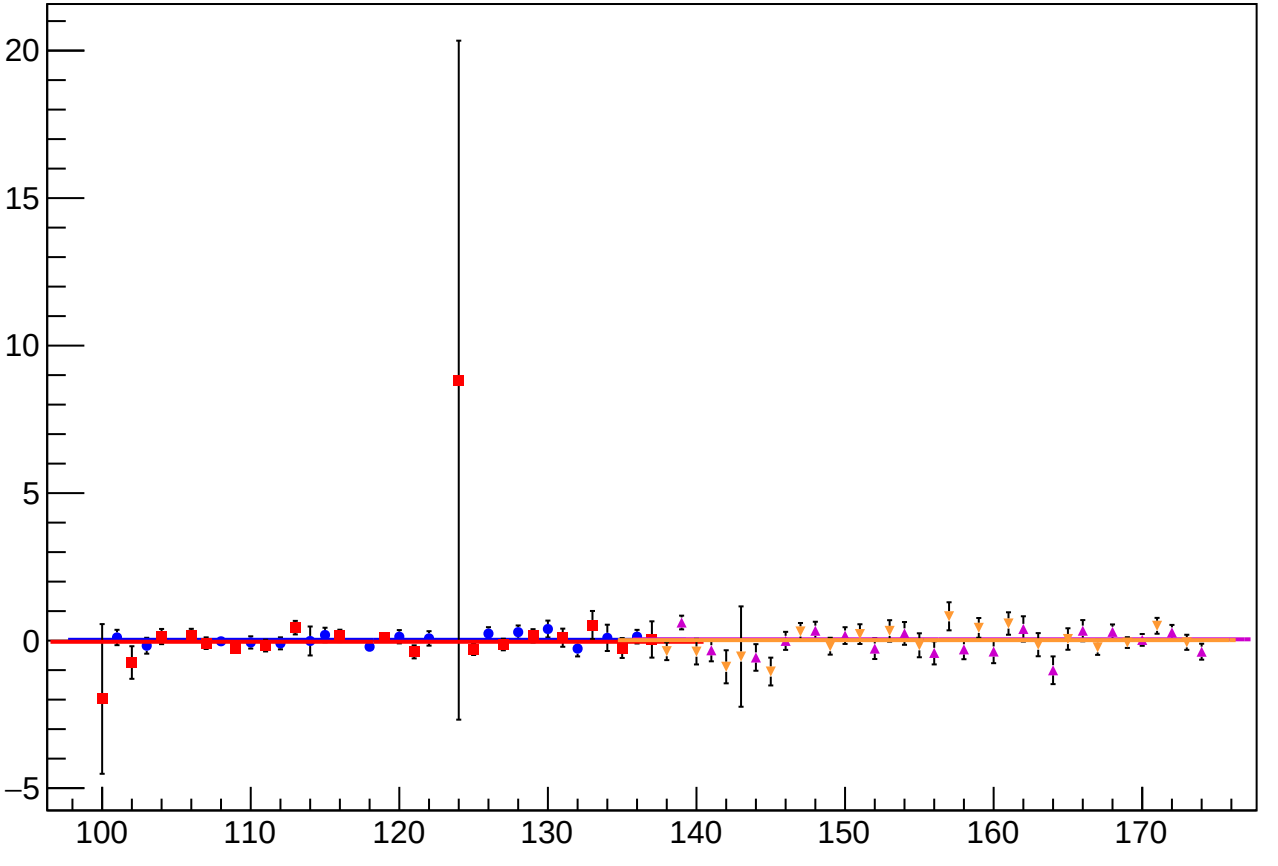
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

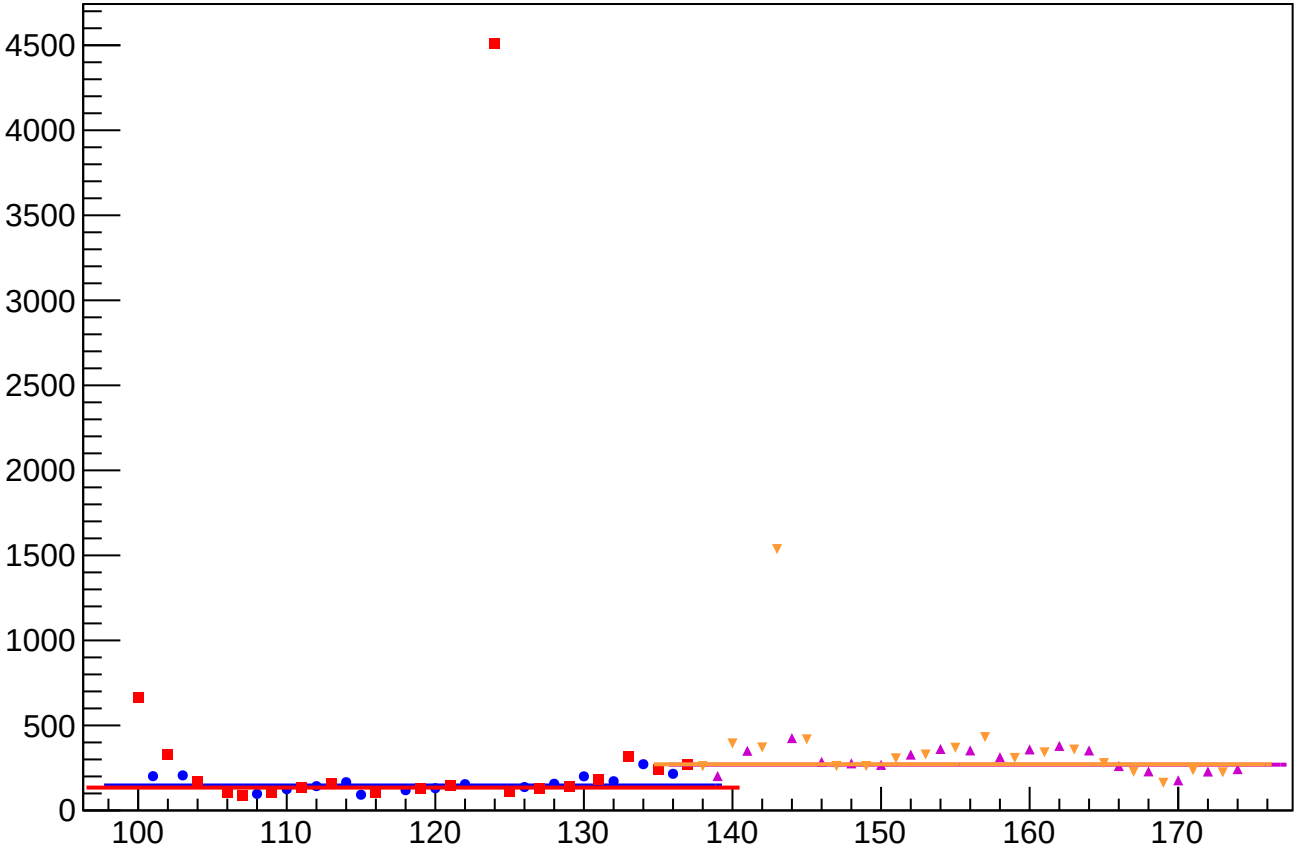
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

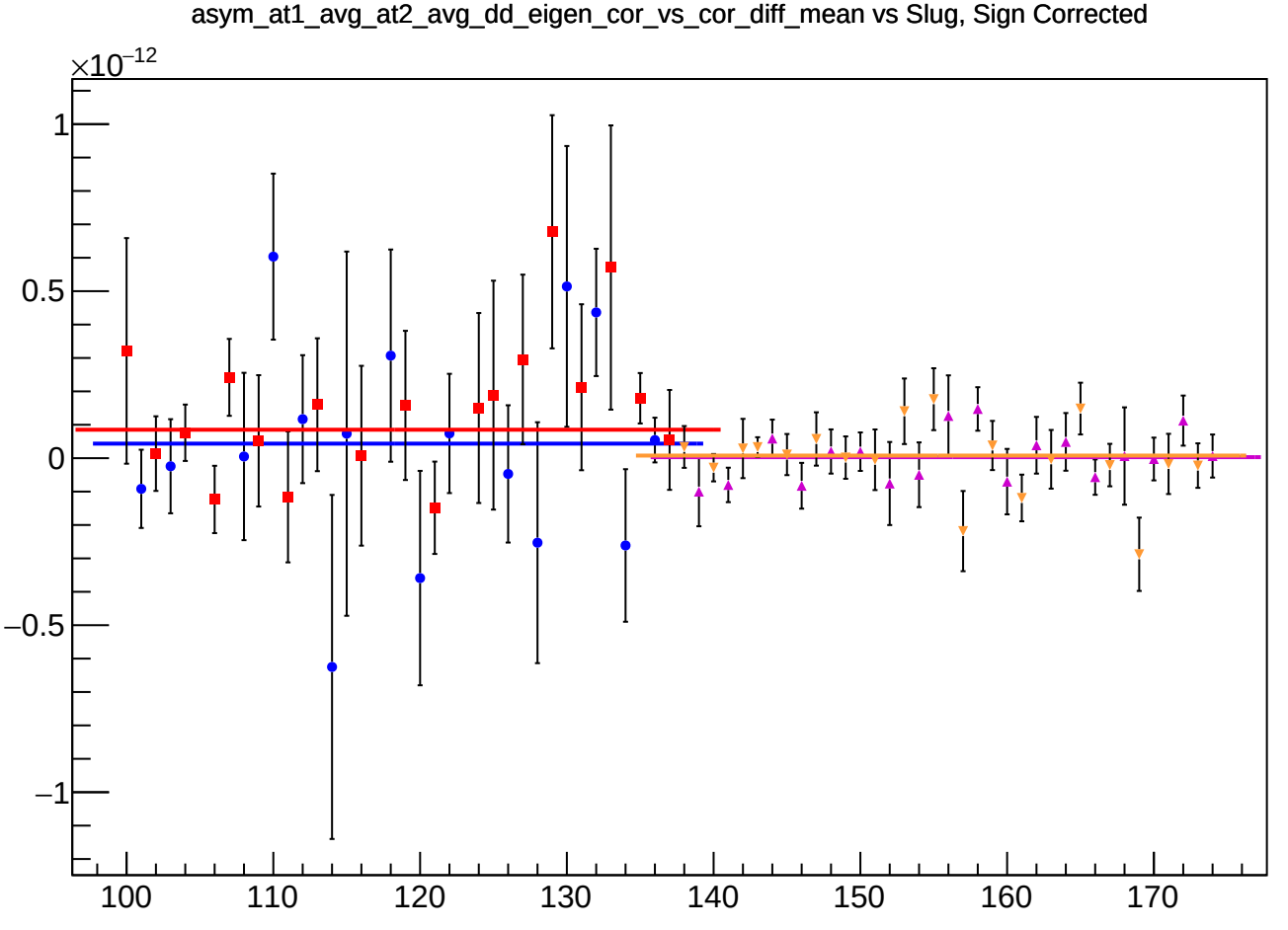
Left: 270.305+/-0.037 χ^2/NDF: 4658446.9/36

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

Left: 0.000+/-0.000 χ^2/NDF: 42.7/36

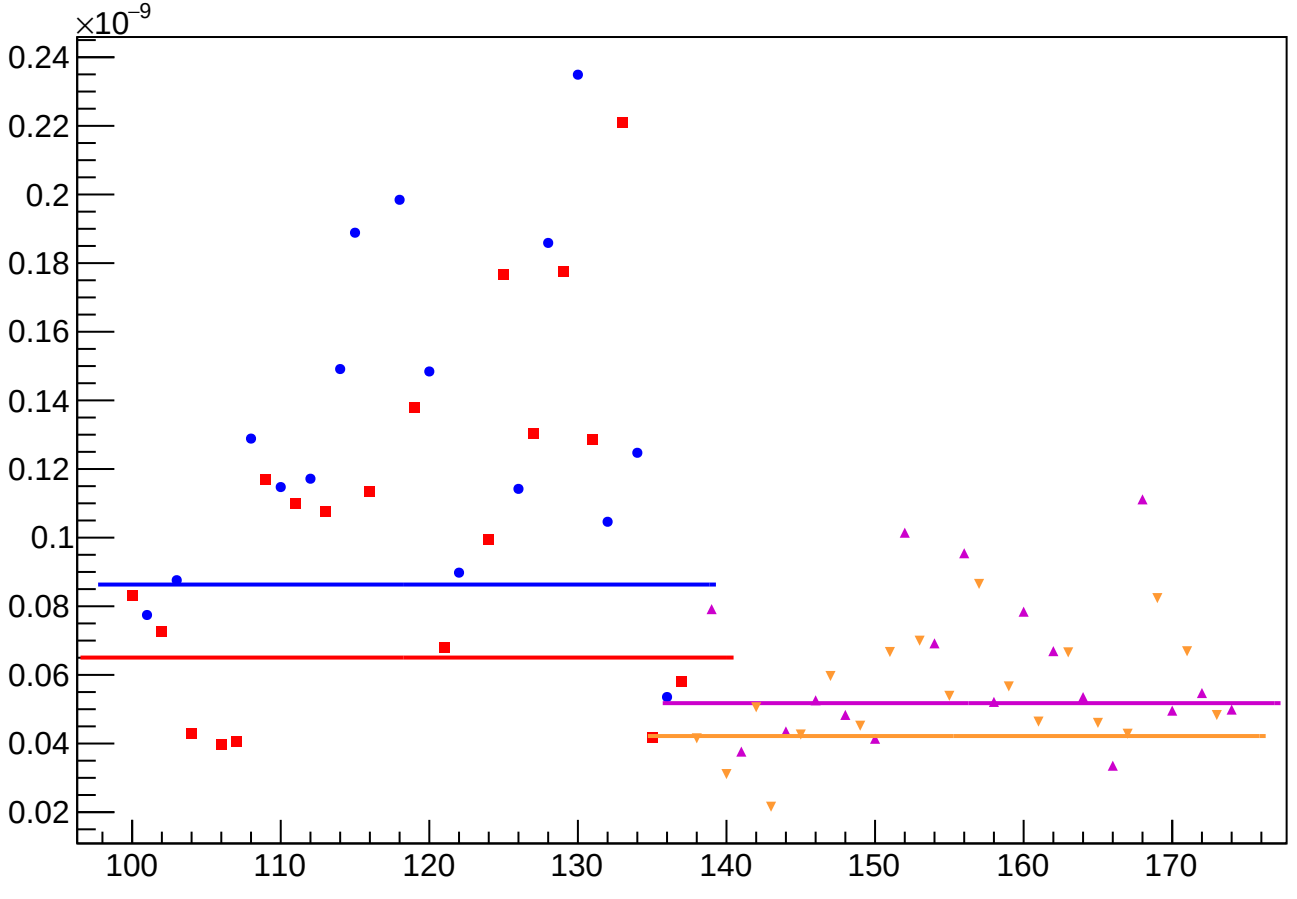
Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.3/71

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

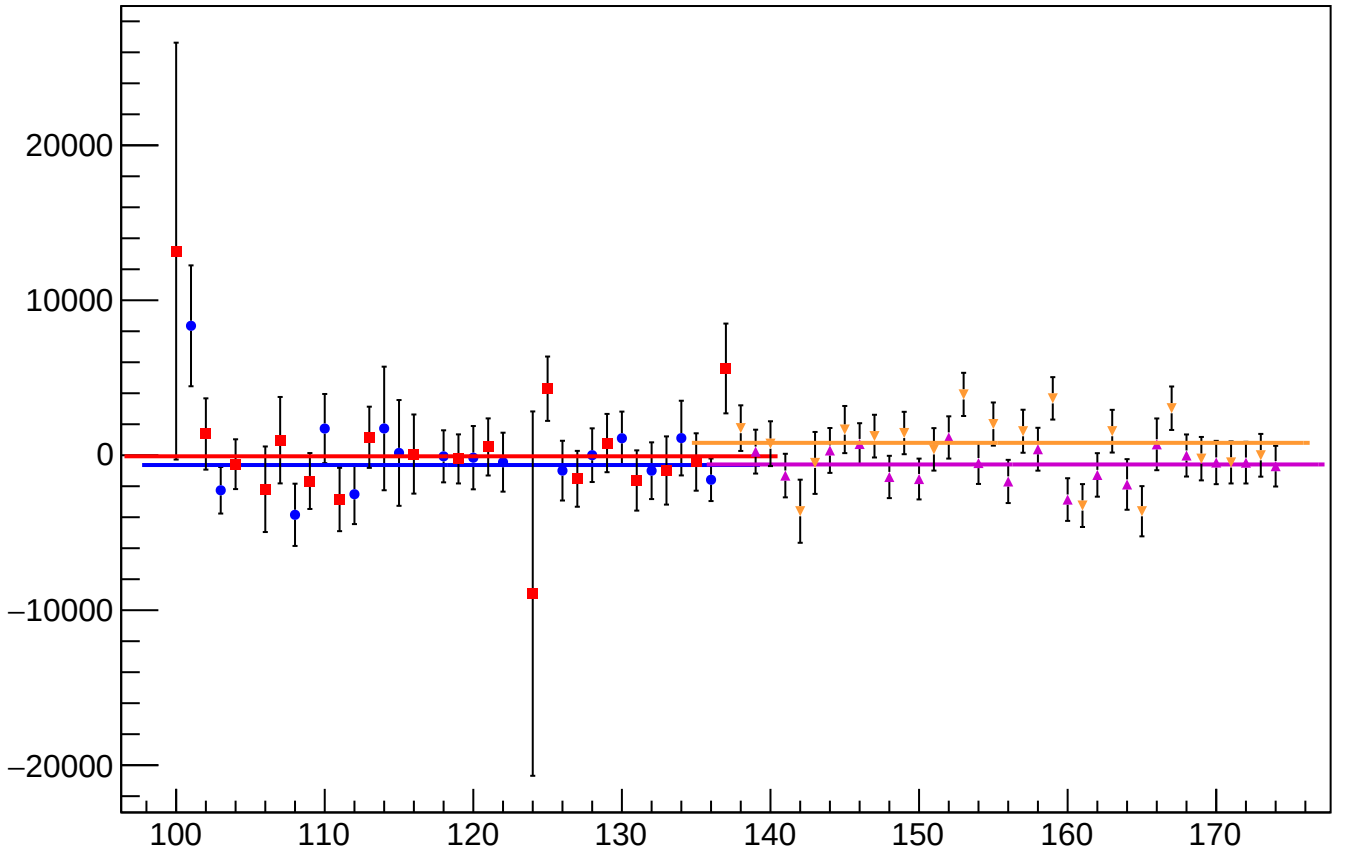
Left: 0.000+/-0.000 χ^2/NDF: 4715673.9/36

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4528513.2/33

Out: 0.000+/-0.000 χ^2/NDF:5431767.0/37

All: 0.000+/-0.000 χ^2/NDF: 10488774.5/71



Right In: -631.041+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.105+/-332.268 χ^2/NDF:37.3/18

Right Out: -67.642+/-487.761 χ^2/NDF: 15.9/18

Left In: -594.396+/-329.096 χ^2/NDF:10.0/17

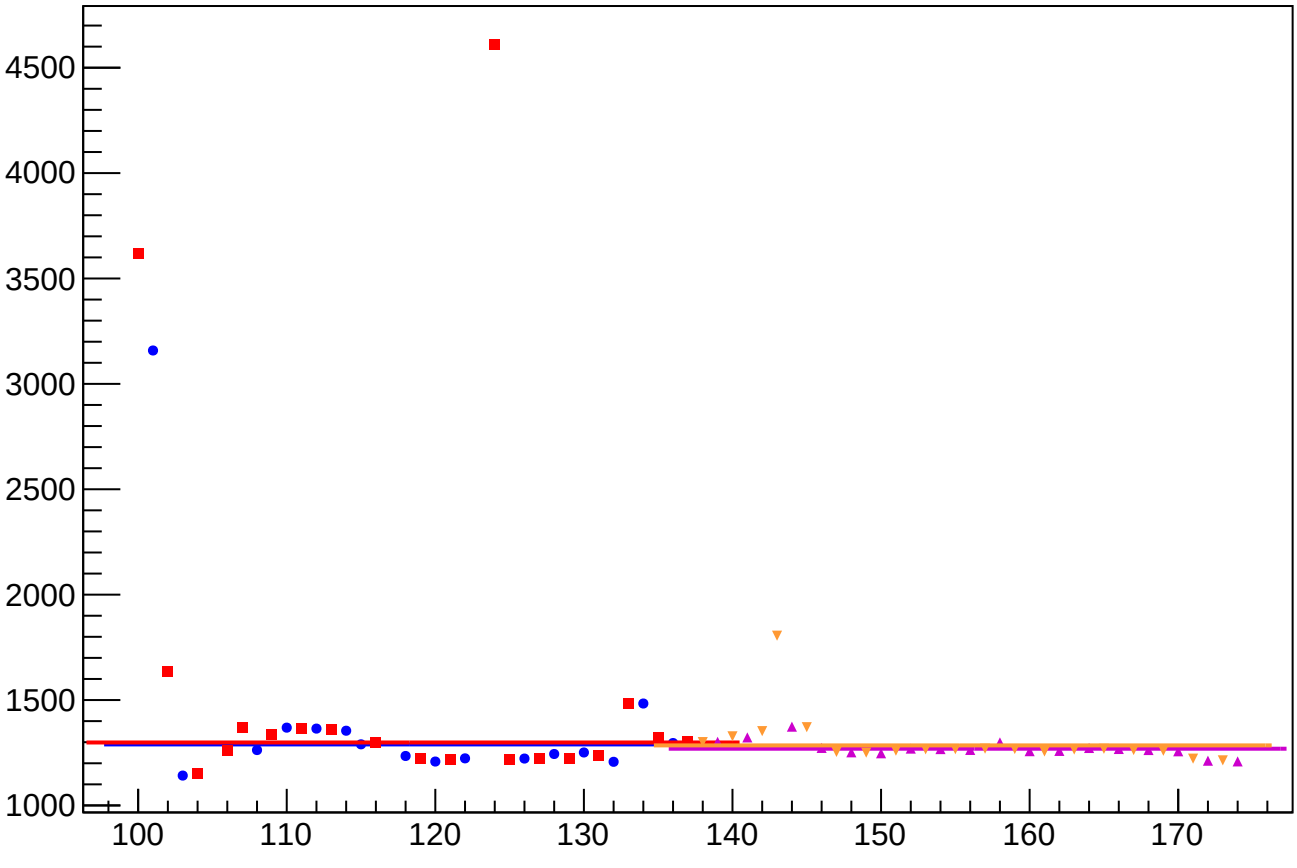
Left: 96.168+/-233.819 χ^2/NDF: 56.1/36

Right: -348.821+/-345.217 χ^2/NDF: 30.4/34

In: -605.830+/-272.965 χ^2/NDF:23.9/33

Out: 525.062+/-274.606 χ^2/NDF:55.3/37

All: -43.773+/-193.593 χ^2/NDF: 87.7/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514675.0/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1298.656+/-0.344 χ^2/NDF: 319374.9/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

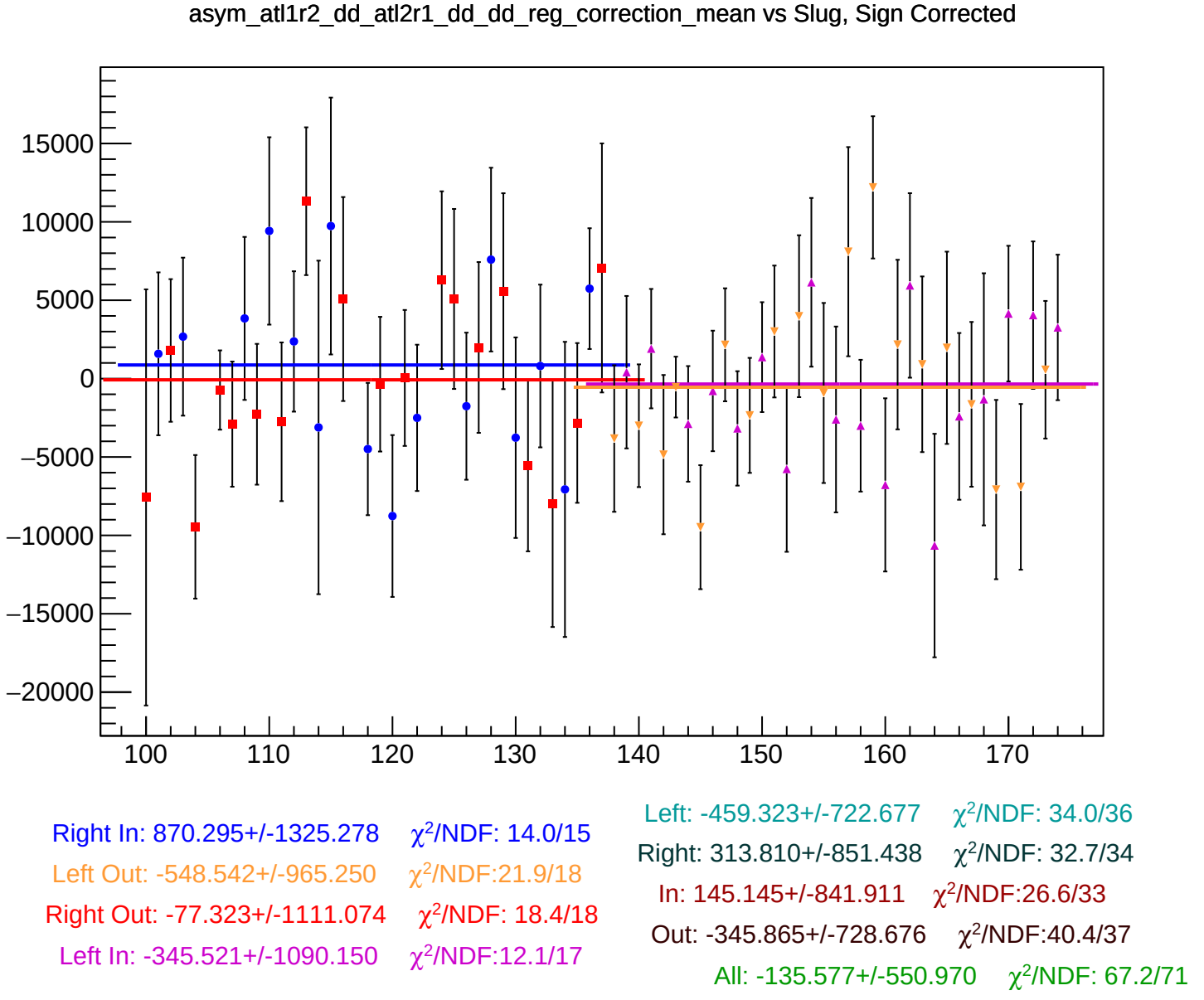
Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

Right: 1294.081+/-0.244 χ^2/NDF: 834405.1/34

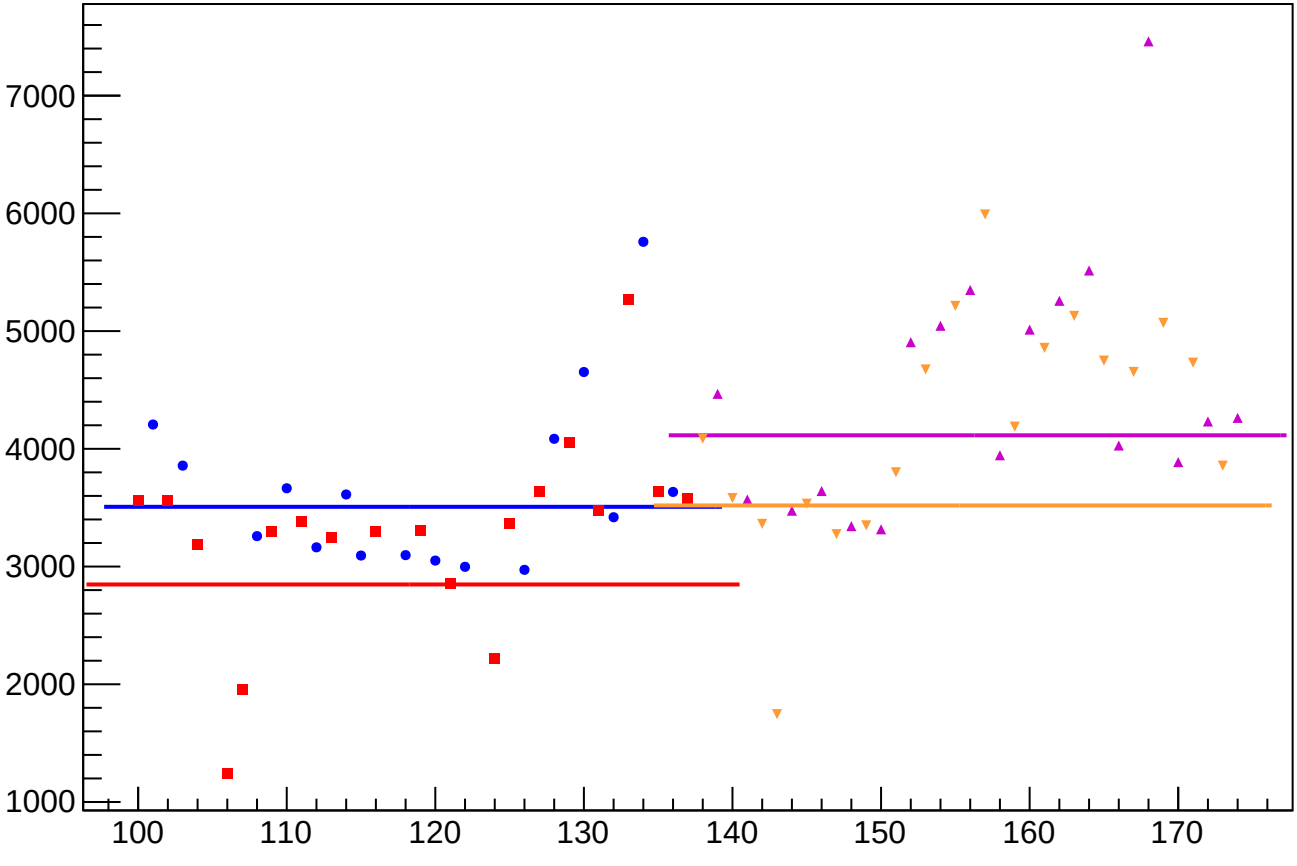
In: 1275.424+/-0.193 χ^2/NDF:541587.2/33

Out: 1289.231+/-0.194 χ^2/NDF:483242.9/37

All: 1282.292+/-0.137 χ^2/NDF: 1027375.6/71


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
110
120
130
140
150
160
170
Right In: 870.295+/-1325.278 χ²/NDF: 14.0/15
Left Out: -548.542+/-965.250 χ²/NDF:21.9/18
Right Out: -77.323+/-1111.074 χ²/NDF: 18.4/18
Left In: -345.521+/-1090.150 χ²/NDF:12.1/17
Left: -459.323+/-722.677 χ²/NDF: 34.0/36
Right: 313.810+/-851.438 χ²/NDF: 32.7/34
In: 145.145+/-841.911 χ²/NDF:26.6/33
Out: -345.865+/-728.676 χ²/NDF:40.4/37
All: -135.577+/-550.970 χ²/NDF: 67.2/71

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 3507.397+/-0.937 χ^2/NDF: 353979.1/15

Left Out: 3519.157+/-0.683 χ^2/NDF:3043118.6/18

Right Out: 2847.833+/-0.786 χ^2/NDF: 1499373.6/18

Left In: 4114.916+/-0.771 χ^2/NDF:1090708.1/17

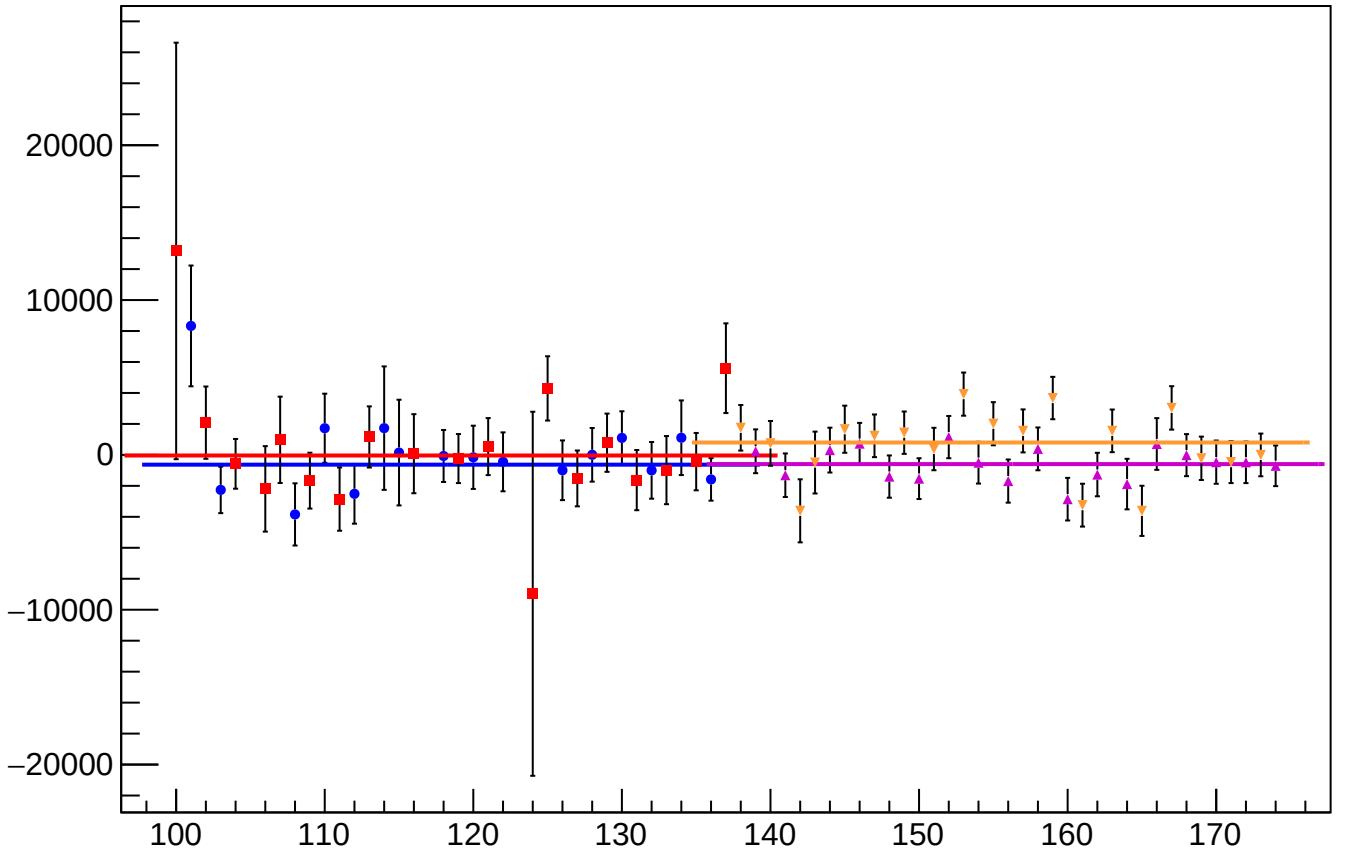
Left: 3780.968+/-0.511 χ^2/NDF: 4468644.3/36

Right: 3120.071+/-0.602 χ^2/NDF: 2144256.9/34

In: 3869.740+/-0.595 χ^2/NDF:1695353.6/33

Out: 3230.412+/-0.515 χ^2/NDF:4958592.1/37

All: 3504.220+/-0.390 χ^2/NDF: 7313320.5/71



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

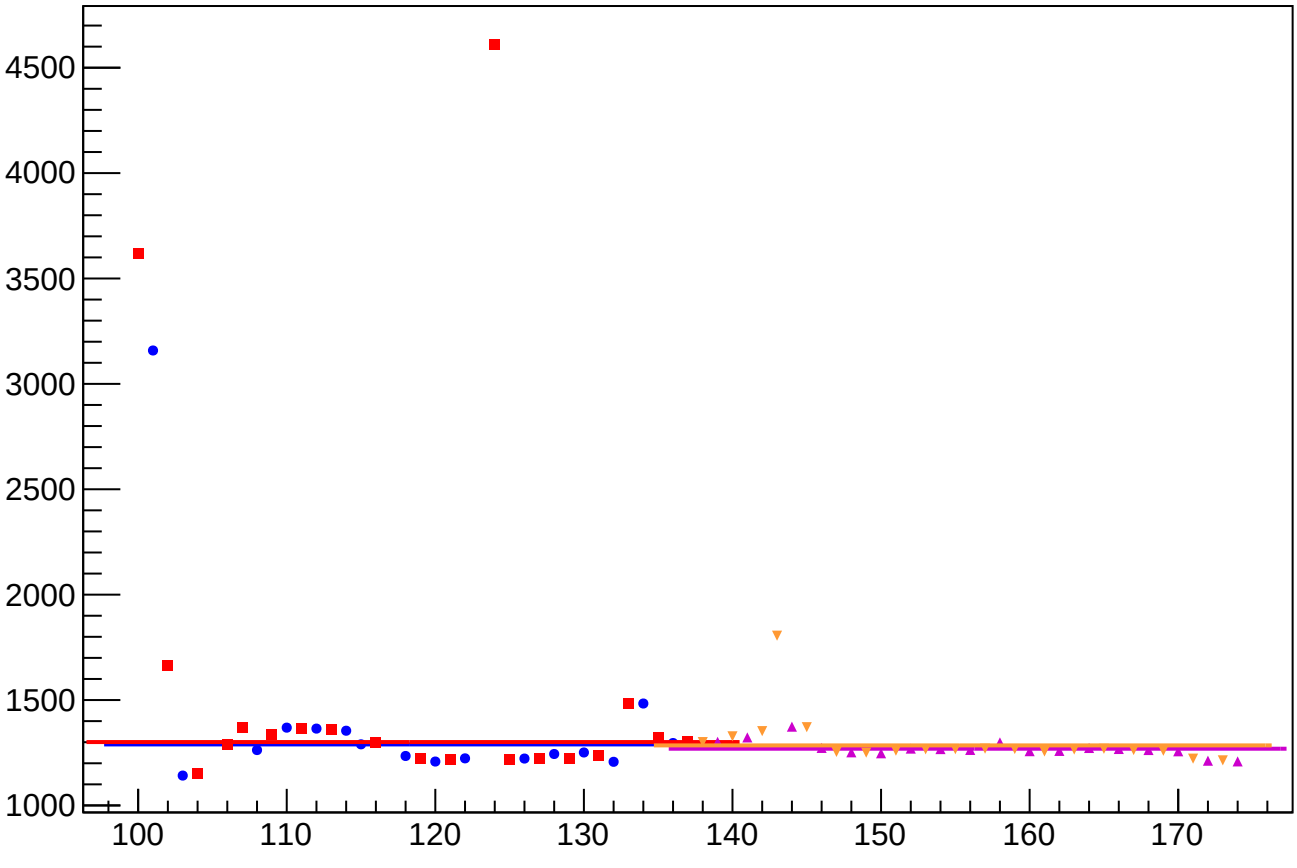
Left: 96.212+/-233.819 χ^2/NDF: 56.1/36

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -39.232+/-193.613 χ^2/NDF: 88.1/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

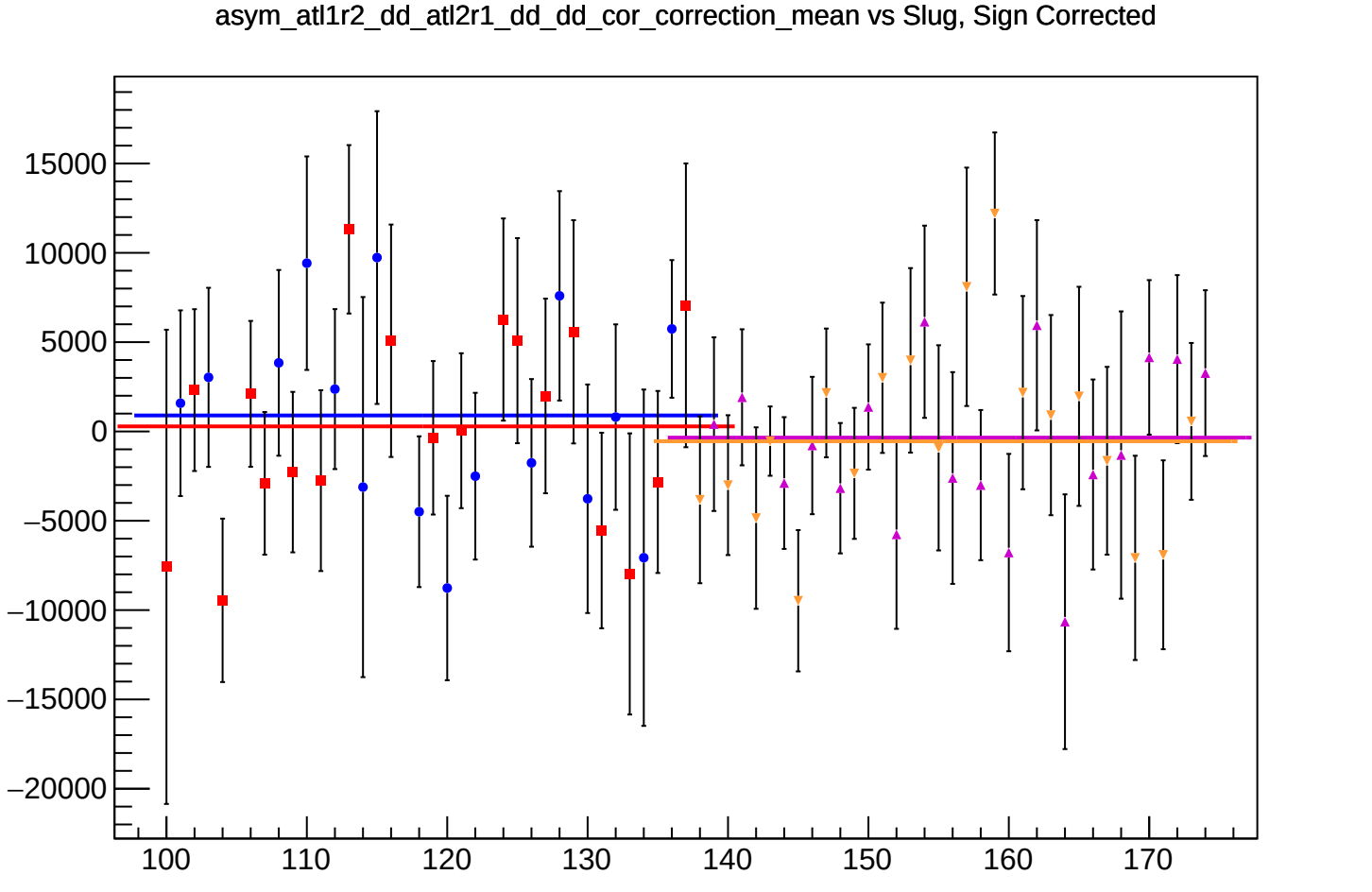
Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

Left: -459.281+/-722.676 χ^2/NDF: 34.0/36

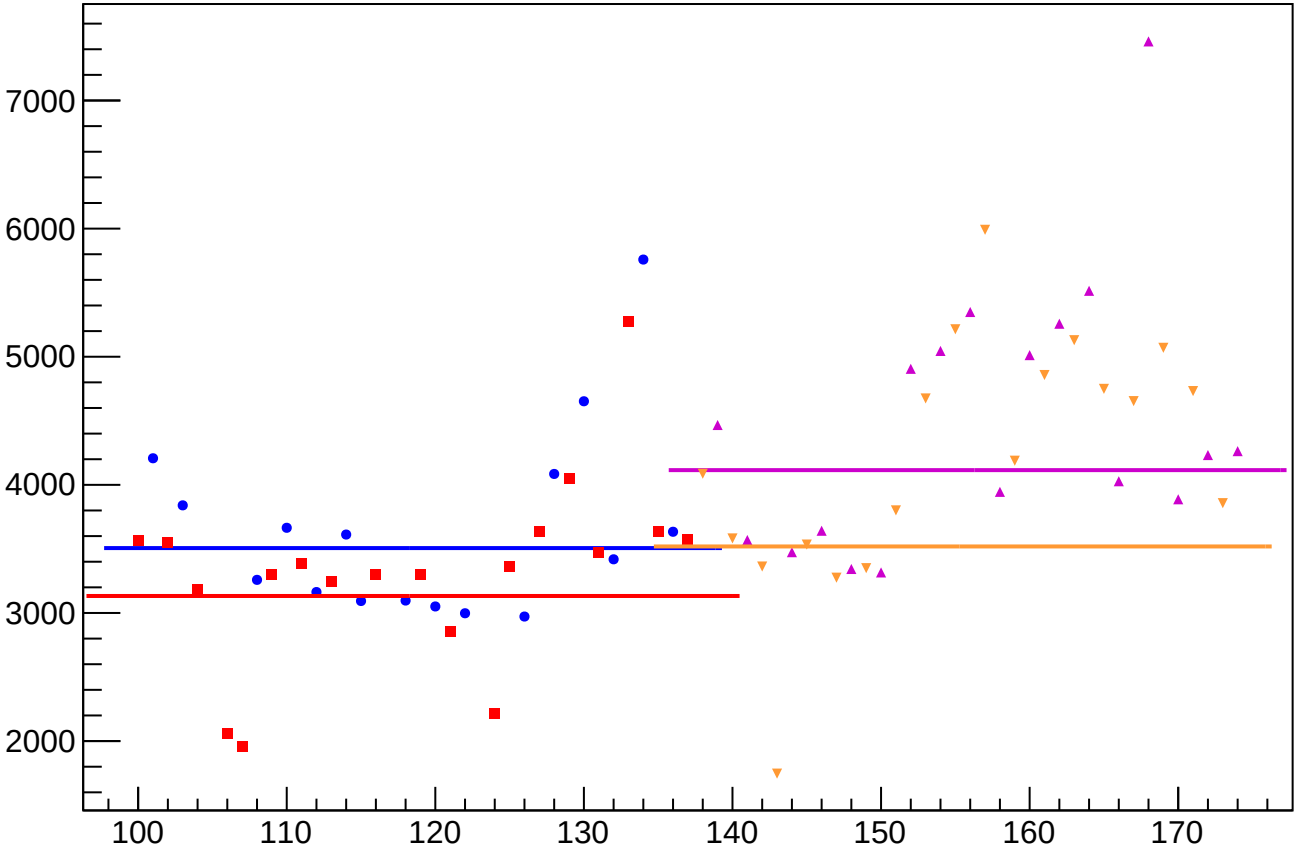
Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -51.912+/-559.118 χ^2/NDF: 67.6/71

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

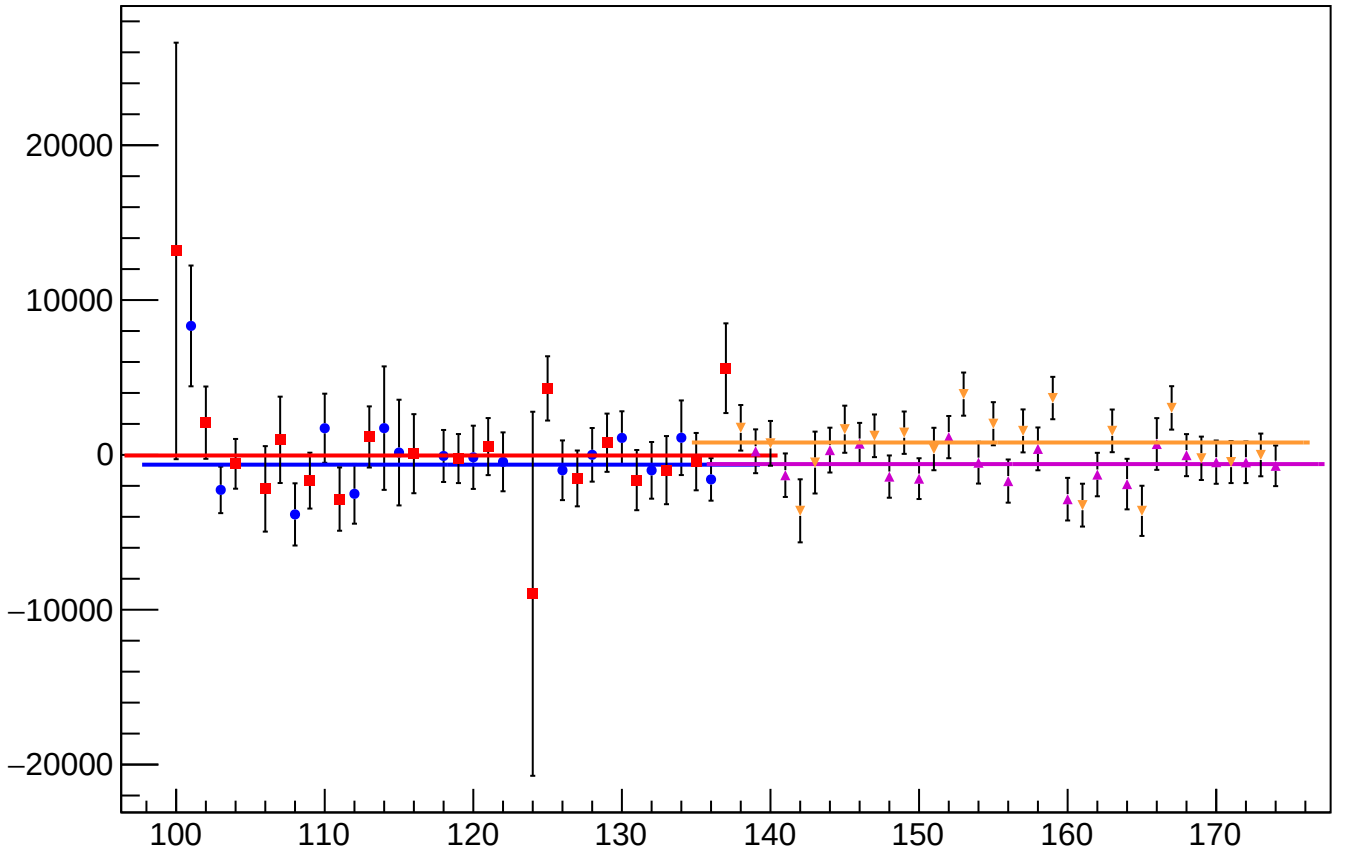
Left: 3780.960+/-0.511 χ^2/NDF: 4468683.2/36

Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71



Right In: -631.427+/-488.663 χ^2/NDF: 13.9/15

Left Out: 800.137+/-332.268 χ^2/NDF:37.3/18

Right Out: -38.623+/-488.084 χ^2/NDF: 16.3/18

Left In: -594.340+/-329.096 χ^2/NDF:10.0/17

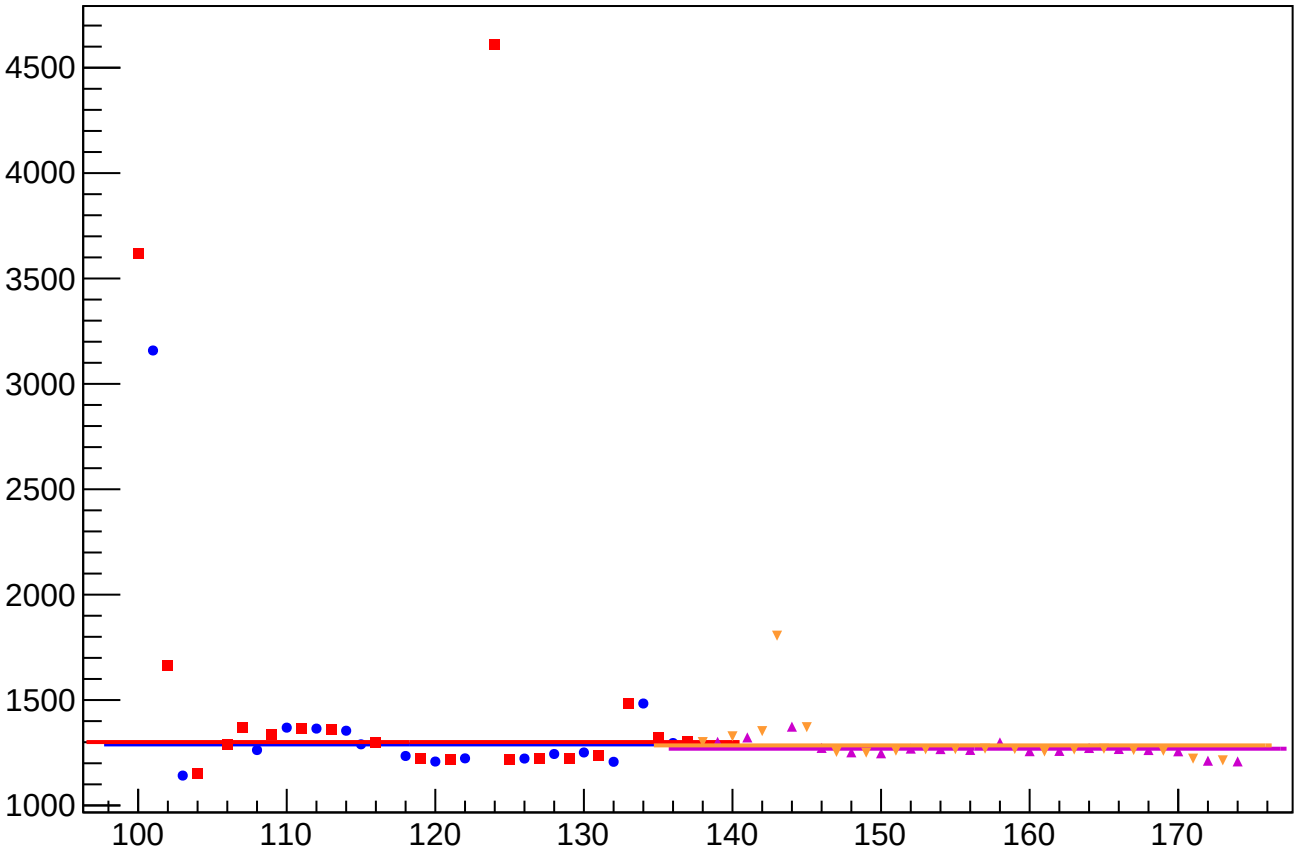
Left: 96.212+/-233.819 χ^2/NDF: 56.1/36

Right: -334.674+/-345.332 χ^2/NDF: 30.9/34

In: -605.912+/-272.965 χ^2/NDF:23.8/33

Out: 534.522+/-274.664 χ^2/NDF:55.6/37

All: -39.232+/-193.613 χ^2/NDF: 88.1/71



Right In: 1289.466+/-0.346 χ^2/NDF: 514676.5/15

Left Out: 1284.835+/-0.235 χ^2/NDF:162767.3/18

Right Out: 1300.684+/-0.344 χ^2/NDF: 325907.6/18

Left In: 1269.055+/-0.233 χ^2/NDF:24511.6/17

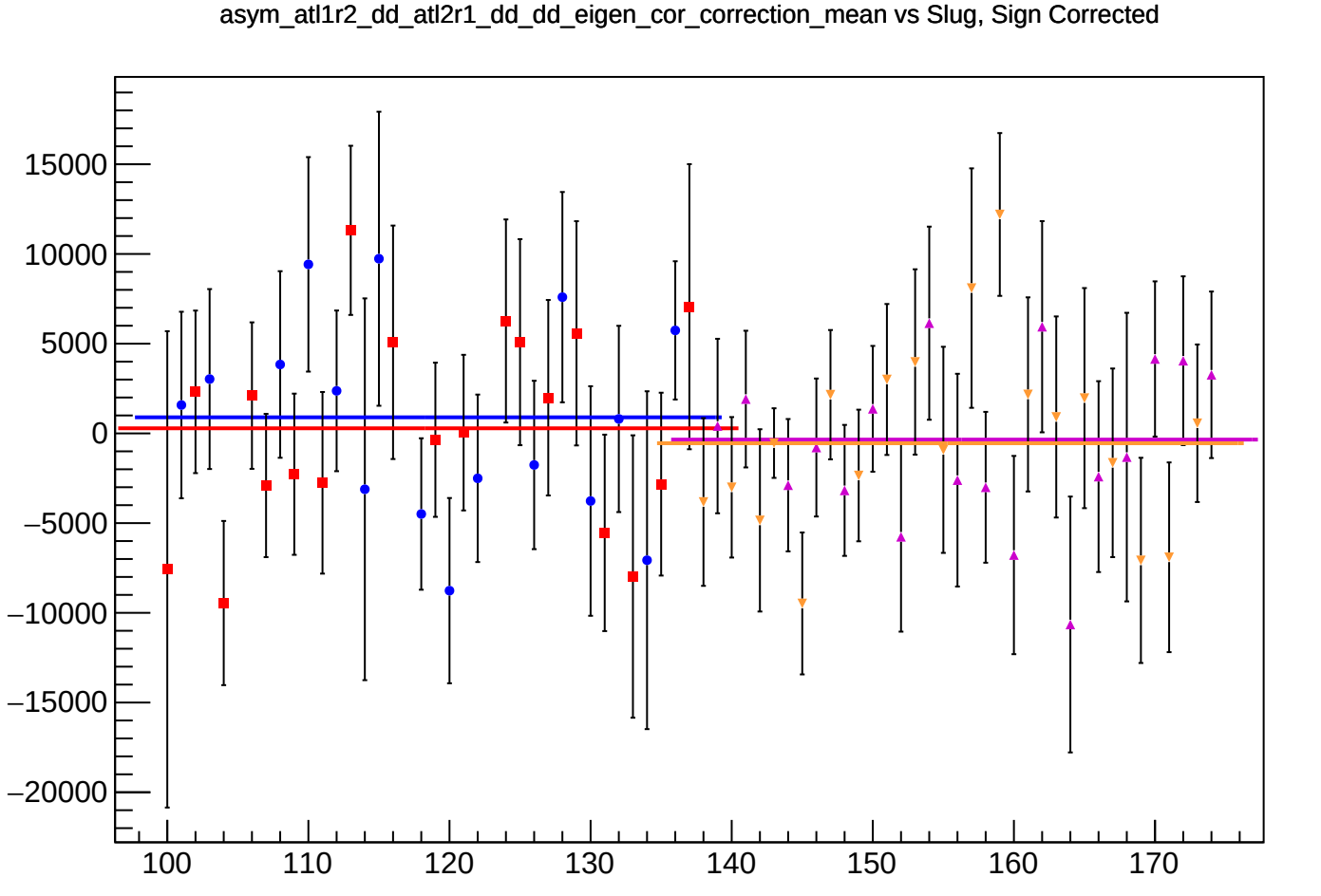
Left: 1276.869+/-0.165 χ^2/NDF: 189556.0/36

Right: 1295.092+/-0.244 χ^2/NDF: 841112.8/34

In: 1275.424+/-0.193 χ^2/NDF:541588.6/33

Out: 1289.867+/-0.194 χ^2/NDF:490119.6/37

All: 1282.605+/-0.137 χ^2/NDF: 1034492.2/71



Right In: 896.017+/-1324.823 χ^2/NDF: 14.1/15

Left Out: -548.467+/-965.248 χ^2/NDF:21.9/18

Right Out: 283.963+/-1183.171 χ^2/NDF: 18.6/18

Left In: -345.521+/-1090.149 χ^2/NDF:12.1/17

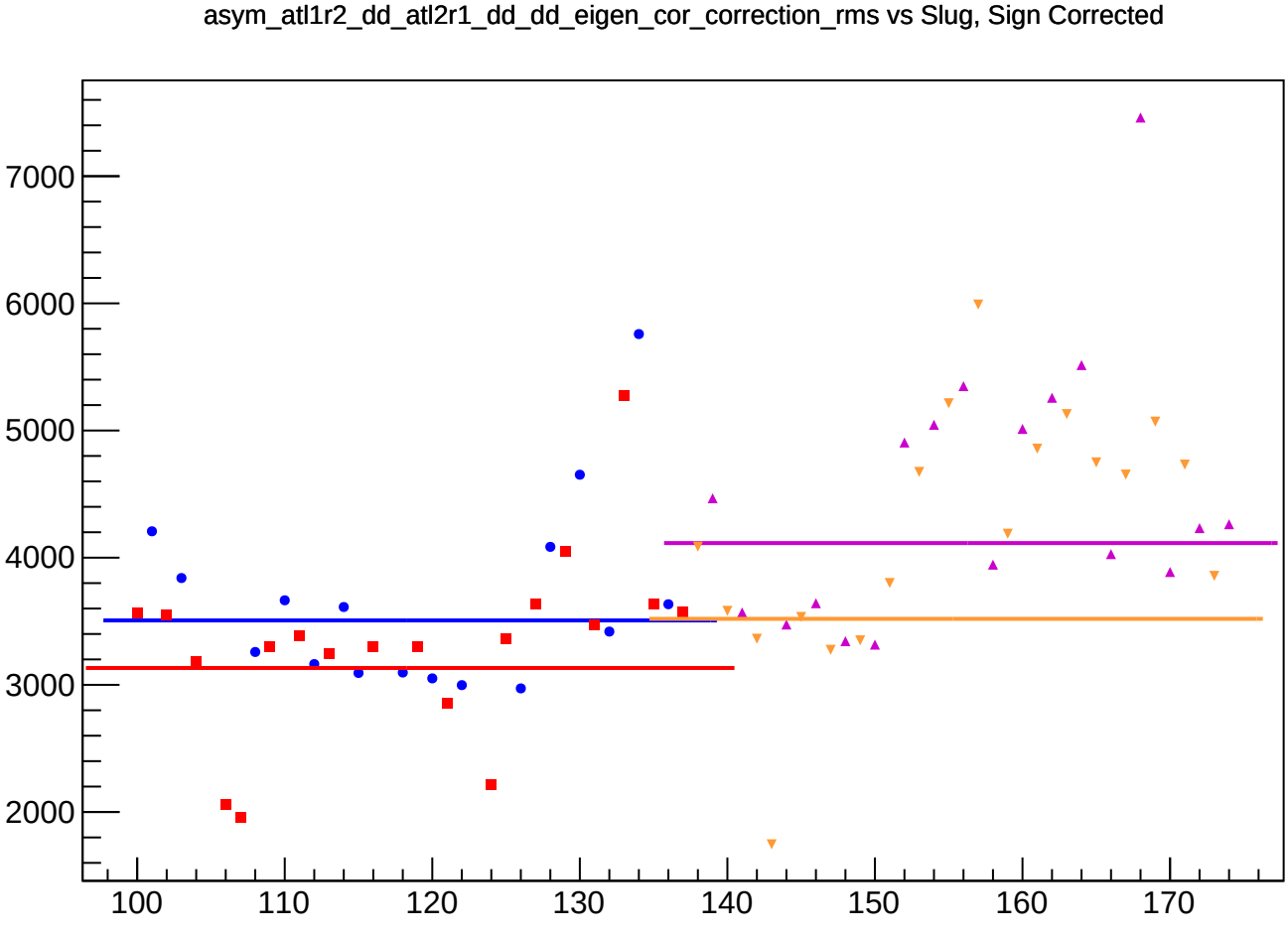
Left: -459.281+/-722.676 χ^2/NDF: 34.0/36

Right: 555.531+/-882.475 χ^2/NDF: 32.8/34

In: 155.730+/-841.794 χ^2/NDF:26.7/33

Out: -215.829+/-747.928 χ^2/NDF:40.8/37

All: -51.912+/-559.118 χ^2/NDF: 67.6/71



Right In: 3506.484+/-0.937 χ^2/NDF: 353237.7/15

Left Out: 3519.148+/-0.683 χ^2/NDF:3043150.2/18

Right Out: 3132.586+/-0.837 χ^2/NDF: 649611.1/18

Left In: 4114.912+/-0.771 χ^2/NDF:1090709.8/17

Left: 3780.960+/-0.511 χ^2/NDF: 4468683.2/36

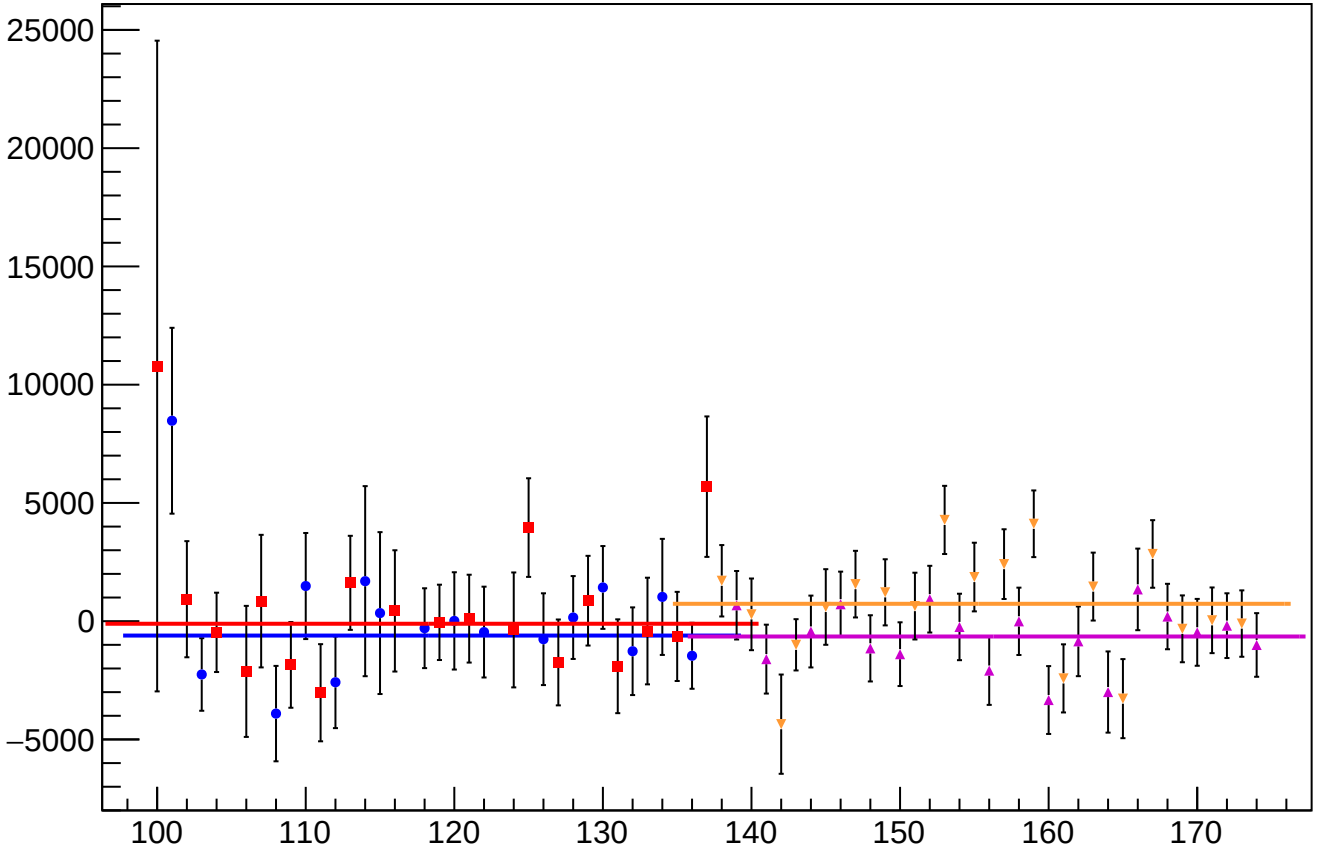
Right: 3298.485+/-0.624 χ^2/NDF: 1091468.2/34

In: 3869.269+/-0.595 χ^2/NDF:1695467.2/33

Out: 3364.679+/-0.529 χ^2/NDF:3820939.5/37

All: 3587.283+/-0.395 χ^2/NDF: 5917997.3/71

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: 735.045+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.614+/-485.552 χ^2/NDF: 14.9/18

Left In: -647.406+/-339.439 χ^2/NDF:12.5/17

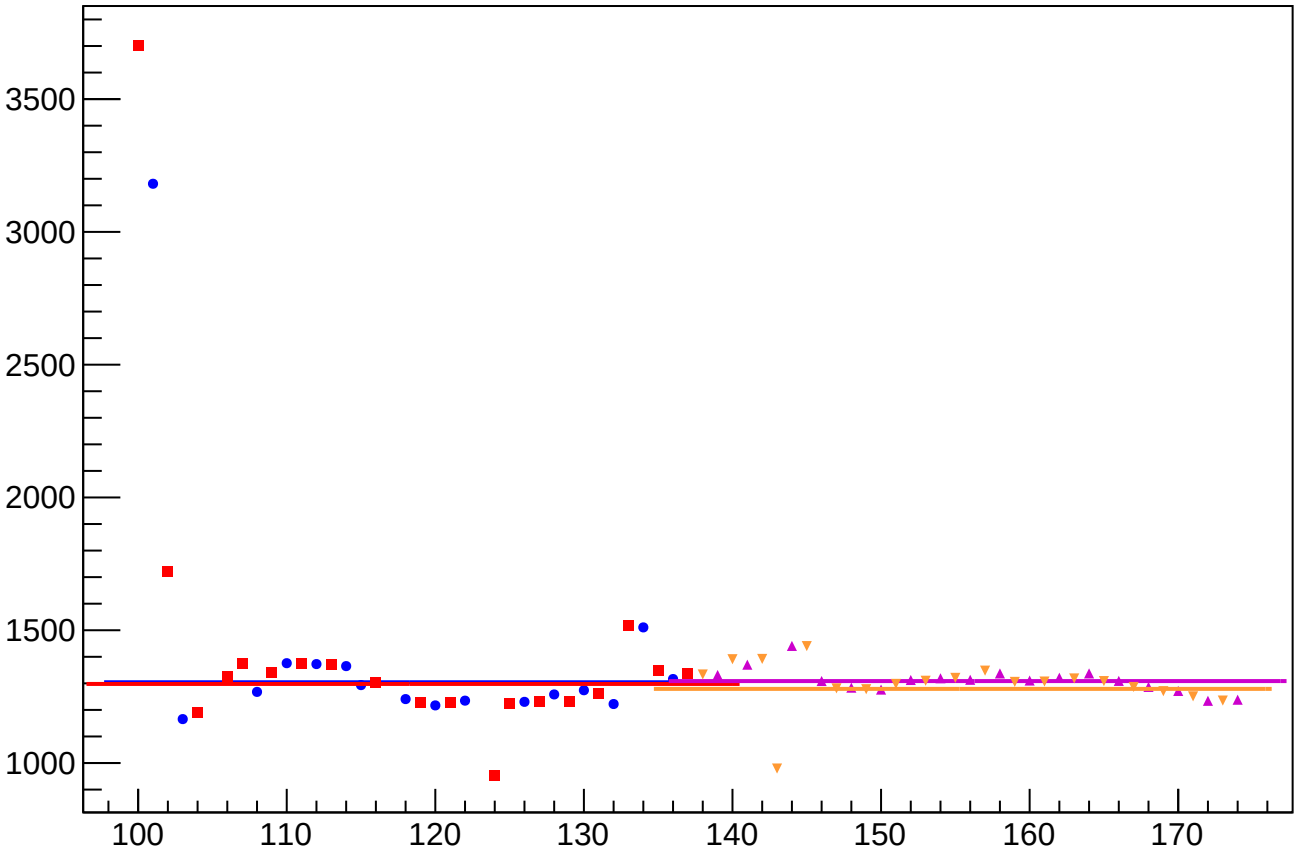
Left: 61.039+/-237.011 χ^2/NDF: 58.3/36

Right: -353.826+/-346.348 χ^2/NDF: 29.5/34

In: -634.720+/-279.794 χ^2/NDF:26.6/33

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -71.276+/-195.598 χ^2/NDF: 88.8/71



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.4/15

Left Out: 1279.191+/-0.234 χ^2/NDF:206354.8/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213096.9/18

Left In: 1308.584+/-0.240 χ^2/NDF:35969.6/17

Left: 1293.521+/-0.168 χ^2/NDF: 250009.5/36

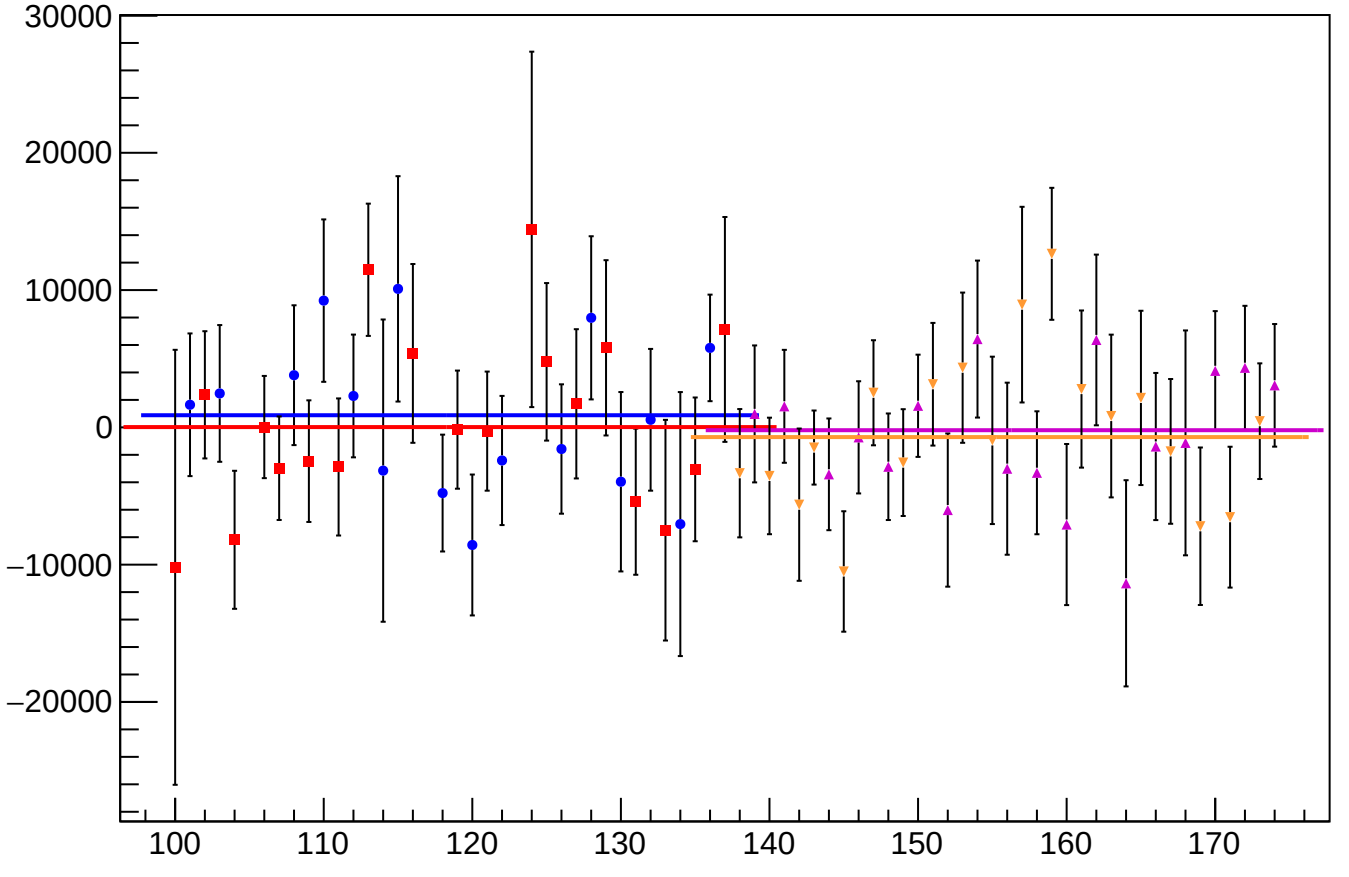
Right: 1300.891+/-0.245 χ^2/NDF: 723852.1/34

In: 1307.147+/-0.198 χ^2/NDF:546670.8/33

Out: 1285.102+/-0.193 χ^2/NDF:421458.2/37

All: 1295.873+/-0.138 χ^2/NDF: 974478.7/71

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.058+/-1327.399 χ^2/NDF: 14.1/15

Left Out: -708.290+/-1068.709 χ^2/NDF:22.0/18

Right Out: 20.681+/-1200.015 χ^2/NDF: 16.8/18

Left In: -206.543+/-1139.188 χ^2/NDF:12.0/17

Left: -473.417+/-779.417 χ^2/NDF: 34.1/36

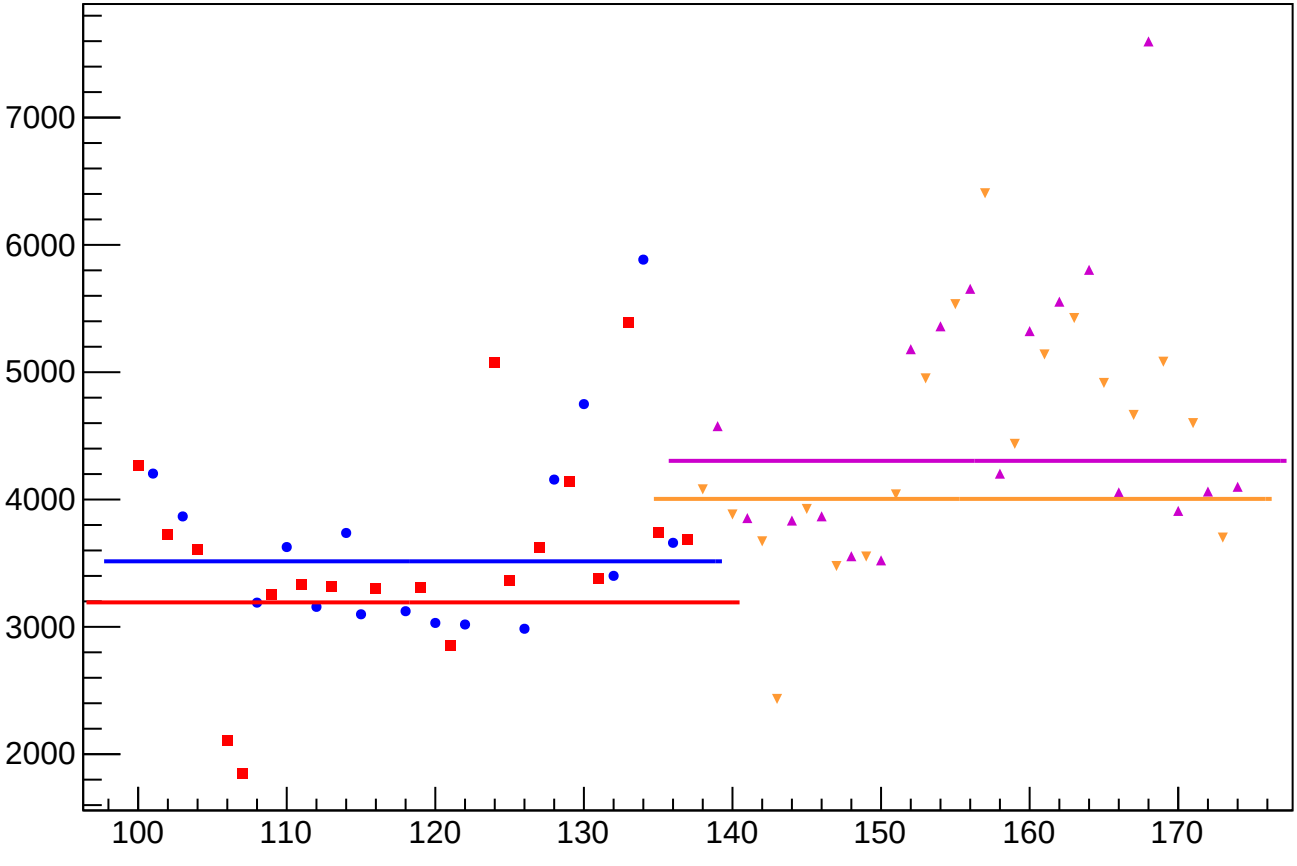
Right: 408.965+/-890.176 χ^2/NDF: 31.2/34

In: 256.021+/-864.480 χ^2/NDF:26.5/33

Out: -385.854+/-798.093 χ^2/NDF:39.1/37

All: -90.506+/-586.404 χ^2/NDF: 65.8/71

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: 4005.003+/-0.756 χ^2/NDF:1556289.4/18

Right Out: 3192.203+/-0.849 χ^2/NDF: 772495.7/18

Left In: 4303.858+/-0.806 χ^2/NDF:1028472.8/17

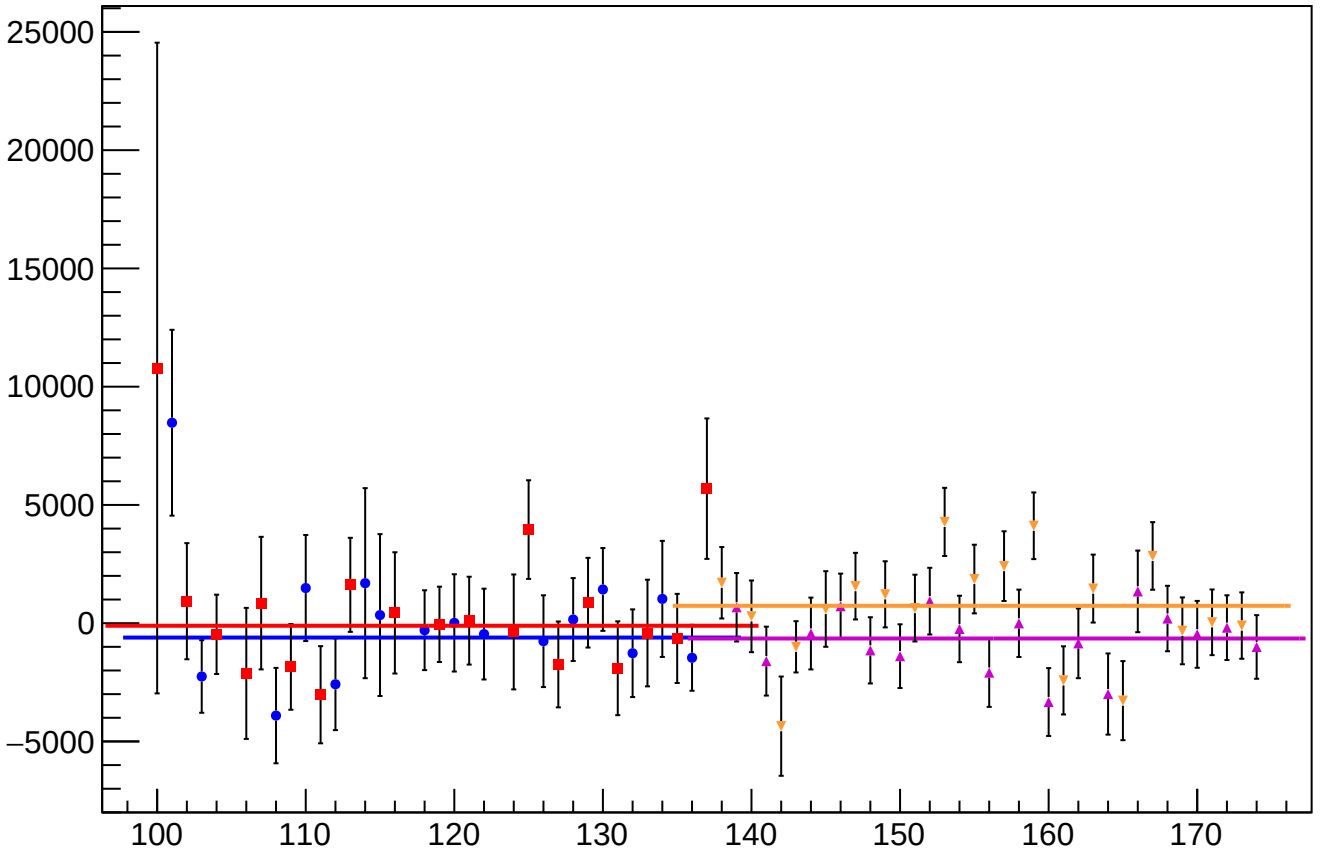
Left: 4144.900+/-0.551 χ^2/NDF: 2657973.8/36

Right: 3337.259+/-0.629 χ^2/NDF: 1212554.2/34

In: 3969.166+/-0.611 χ^2/NDF:1810578.4/33

Out: 3645.488+/-0.564 χ^2/NDF:2840480.3/37

All: 3794.423+/-0.415 χ^2/NDF: 4802426.0/71



Right In: -607.834+/-494.182 χ^2/NDF: 14.1/15

Left Out: 735.048+/-331.086 χ^2/NDF:37.3/18

Right Out: -108.619+/-485.553 χ^2/NDF: 14.9/18

Left In: -647.407+/-339.439 χ^2/NDF:12.5/17

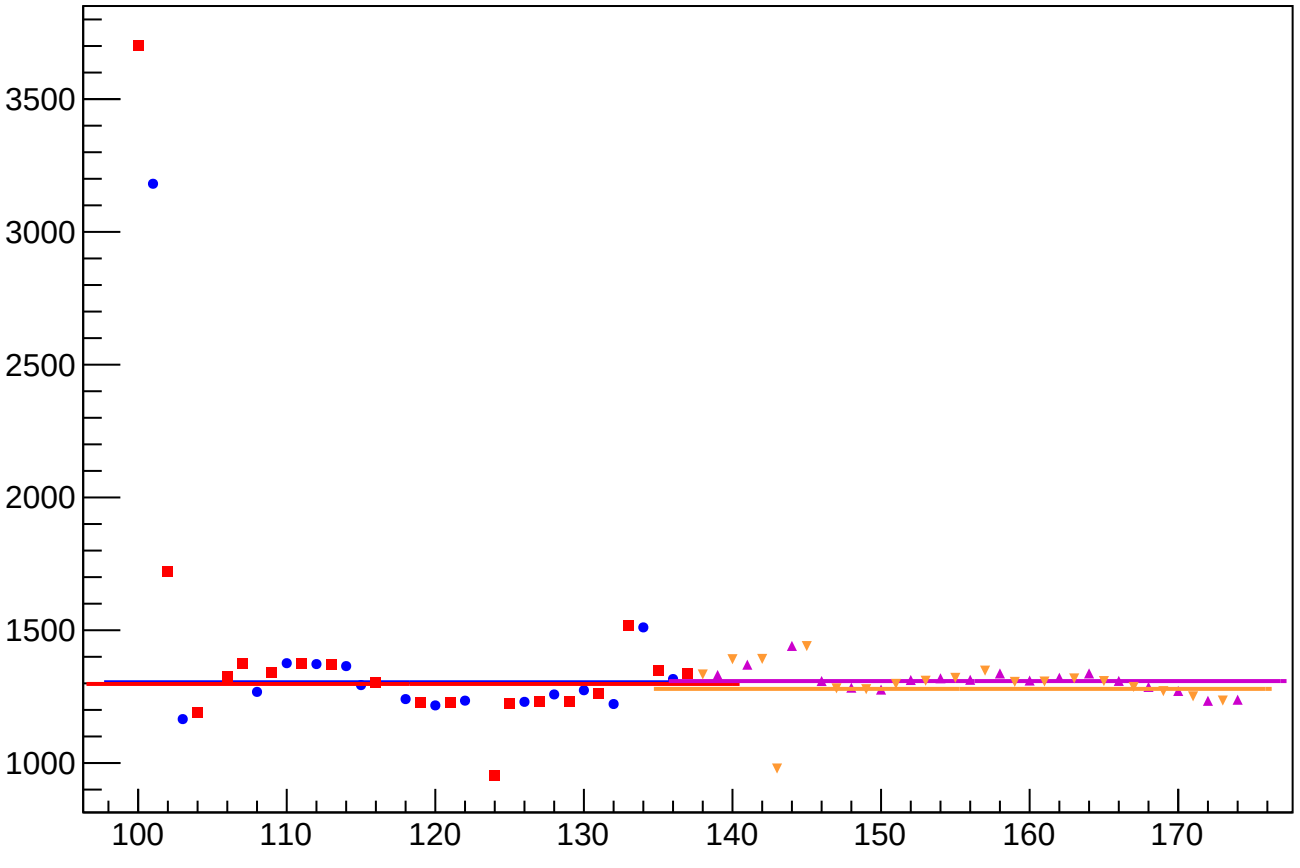
Left: 61.040+/-237.011 χ^2/NDF: 58.3/36

Right: -353.830+/-346.348 χ^2/NDF: 29.5/34

In: -634.721+/-279.794 χ^2/NDF:26.6/33

Out: 467.281+/-273.545 χ^2/NDF:54.2/37

All: -71.277+/-195.598 χ^2/NDF: 88.8/71



Right In: 1304.102+/-0.349 χ^2/NDF: 510589.6/15

Left Out: 1279.192+/-0.234 χ^2/NDF:206356.0/18

Right Out: 1297.796+/-0.343 χ^2/NDF: 213097.0/18

Left In: 1308.585+/-0.240 χ^2/NDF:35970.7/17

Left: 1293.522+/-0.168 χ^2/NDF: 250011.8/36

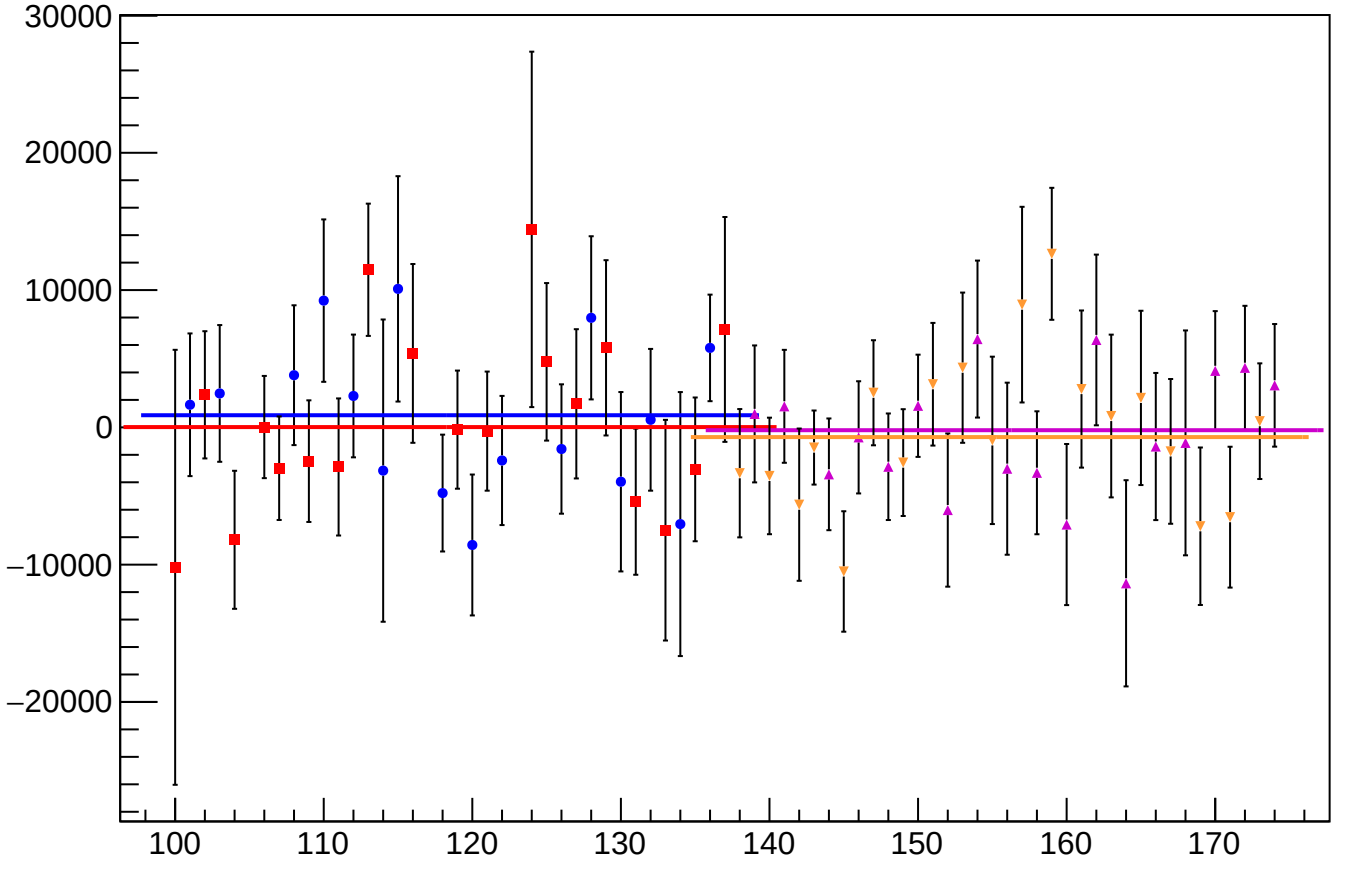
Right: 1300.891+/-0.245 χ^2/NDF: 723852.4/34

In: 1307.148+/-0.198 χ^2/NDF:546672.1/33

Out: 1285.102+/-0.193 χ^2/NDF:421459.3/37

All: 1295.874+/-0.138 χ^2/NDF: 974481.2/71

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 884.047+/-1327.396 χ^2/NDF: 14.1/15

Left Out: -708.288+/-1068.711 χ^2/NDF:22.0/18

Right Out: 20.677+/-1200.012 χ^2/NDF: 16.8/18

Left In: -206.542+/-1139.189 χ^2/NDF:12.0/17

Left: -473.415+/-779.418 χ^2/NDF: 34.1/36

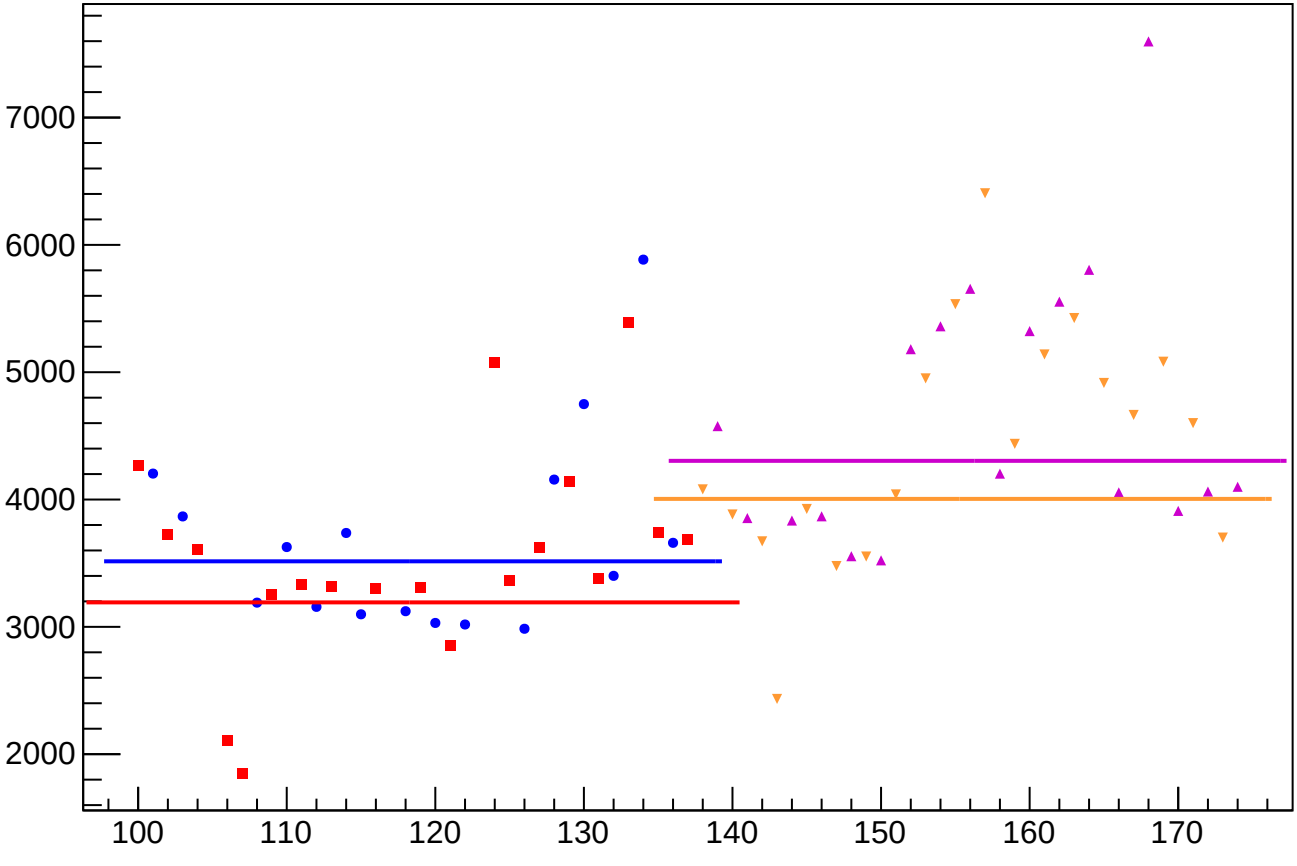
Right: 408.958+/-890.174 χ^2/NDF: 31.2/34

In: 256.019+/-864.479 χ^2/NDF:26.5/33

Out: -385.853+/-798.093 χ^2/NDF:39.1/37

All: -90.506+/-586.403 χ^2/NDF: 65.8/71

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: 4005.009+/-0.756 χ^2/NDF:1556290.4/18

Right Out: 3192.196+/-0.849 χ^2/NDF: 772497.9/18

Left In: 4303.864+/-0.806 χ^2/NDF:1028474.8/17

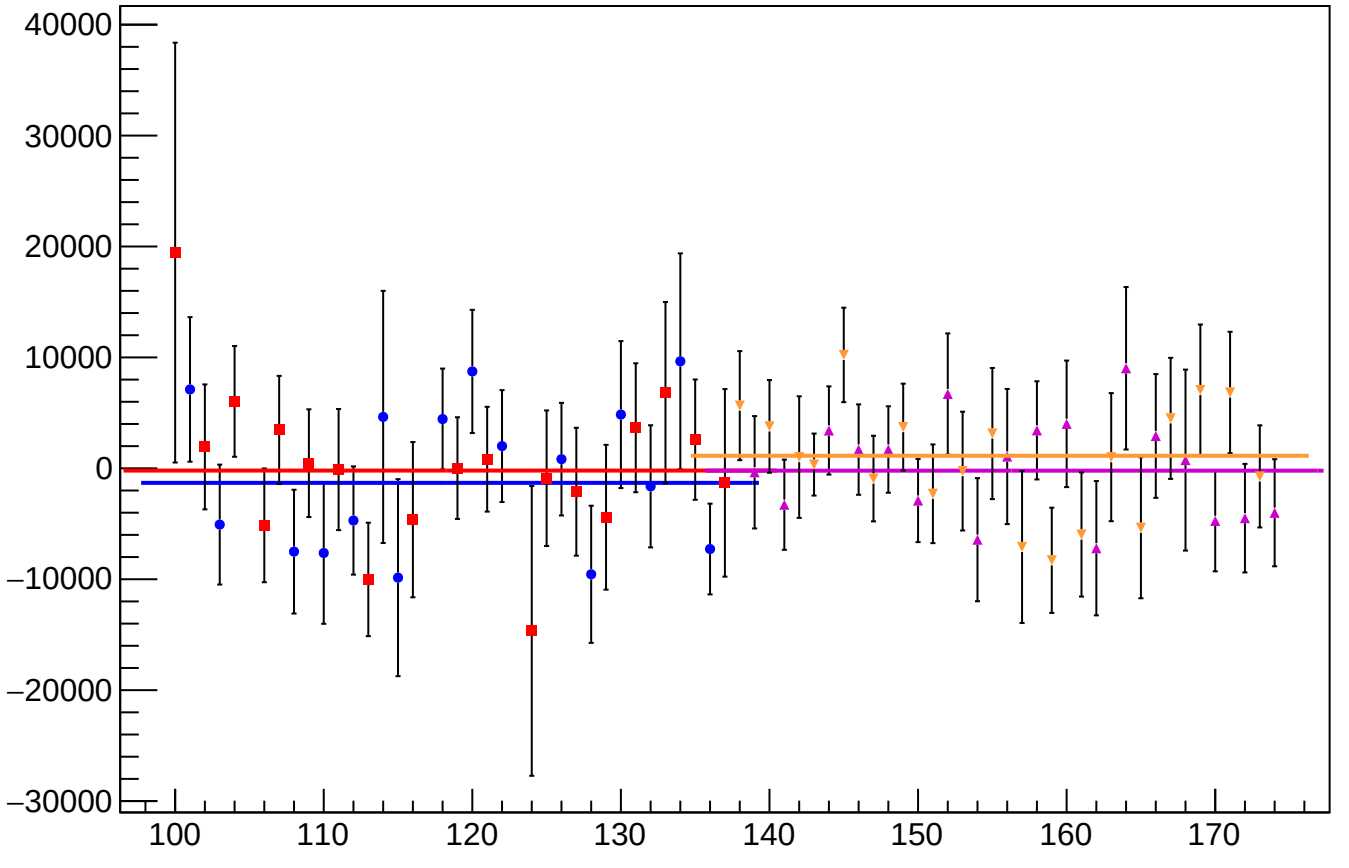
Left: 4144.907+/-0.551 χ^2/NDF: 2657976.5/36

Right: 3337.251+/-0.629 χ^2/NDF: 1212560.4/34

In: 3969.164+/-0.611 χ^2/NDF:1810601.1/33

Out: 3645.487+/-0.564 χ^2/NDF:2840501.8/37

All: 3794.421+/-0.415 χ^2/NDF: 4802470.1/71



Right In: -1309.349+/-1431.624 χ^2/NDF: 17.6/15

Left Out: 1135.281+/-1080.463 χ^2/NDF:18.1/18

Right Out: -201.593+/-1336.062 χ^2/NDF: 11.6/18

Left In: -210.269+/-1146.548 χ^2/NDF:12.1/17

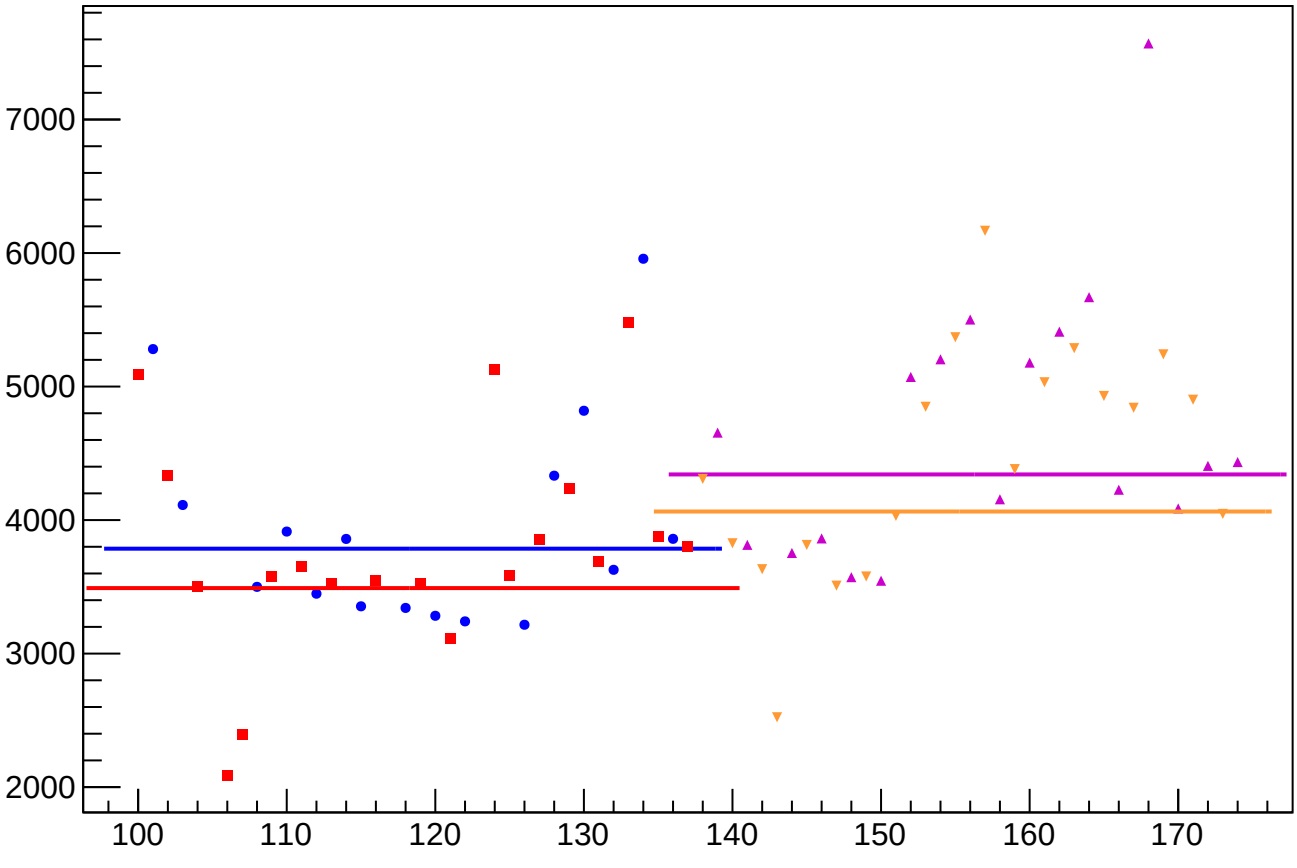
Left: 502.399+/-786.328 χ^2/NDF: 30.9/36

Right: -717.269+/-976.776 χ^2/NDF: 29.5/34

In: -639.748+/-894.923 χ^2/NDF:30.1/33

Out: 606.683+/-840.126 χ^2/NDF:30.3/37

All: 22.793+/-612.515 χ^2/NDF: 61.4/71



Right In: 3785.774+/-1.012 χ^2/NDF: 382992.9/15

Left Out: 4064.112+/-0.764 χ^2/NDF:1402478.4/18

Right Out: 3490.614+/-0.932 χ^2/NDF: 586715.1/18

Left In: 4341.856+/-0.811 χ^2/NDF:933474.2/17

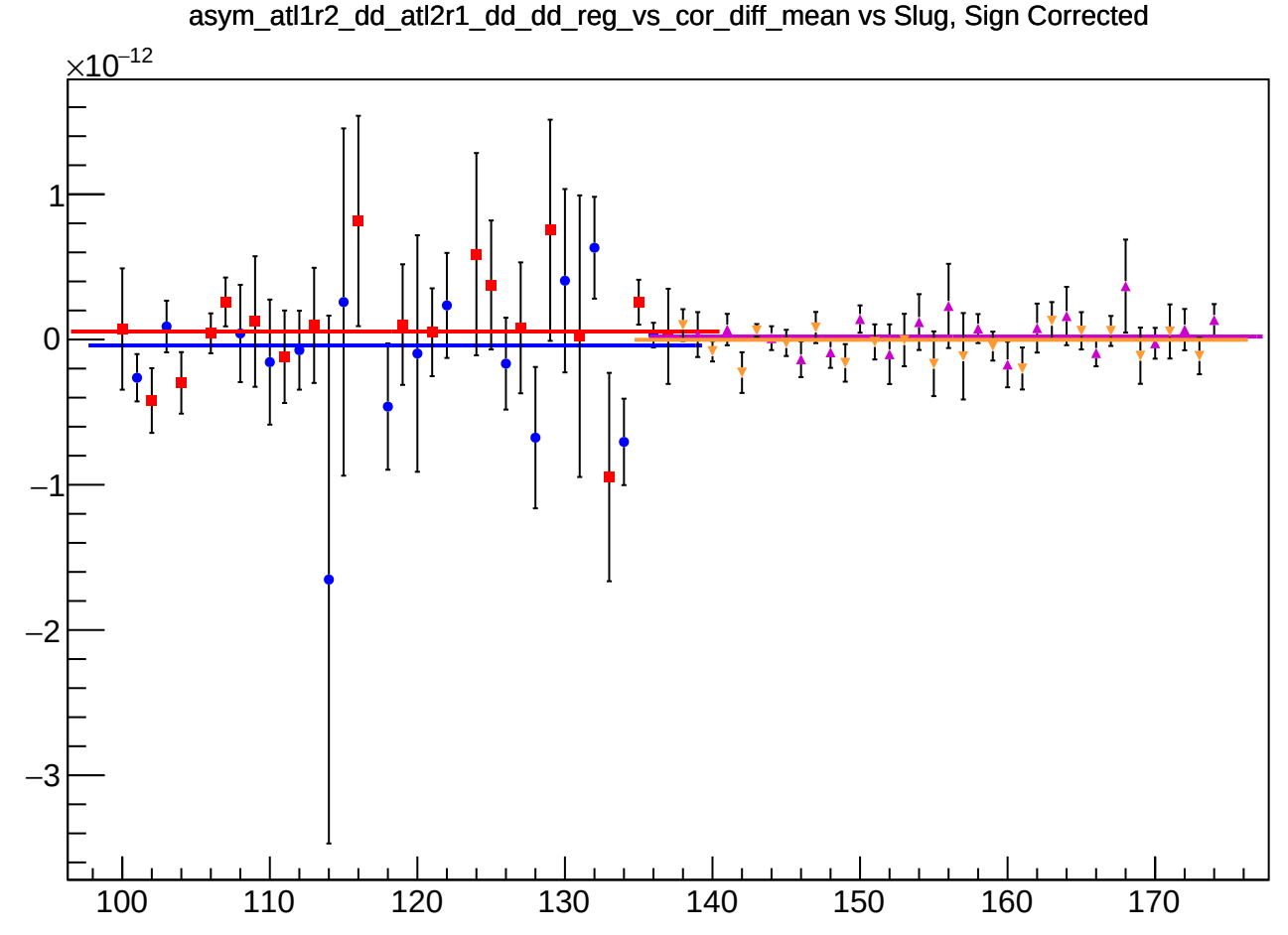
Left: 4194.749+/-0.556 χ^2/NDF: 2398114.1/36

Right: 3626.002+/-0.686 χ^2/NDF: 1015727.1/34

In: 4124.557+/-0.633 χ^2/NDF:1500307.3/33

Out: 3833.577+/-0.591 χ^2/NDF:2215699.3/37

All: 3969.094+/-0.432 χ^2/NDF: 3828974.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.9/18

Left In: 0.000+/-0.000 χ^2/NDF:12.1/17

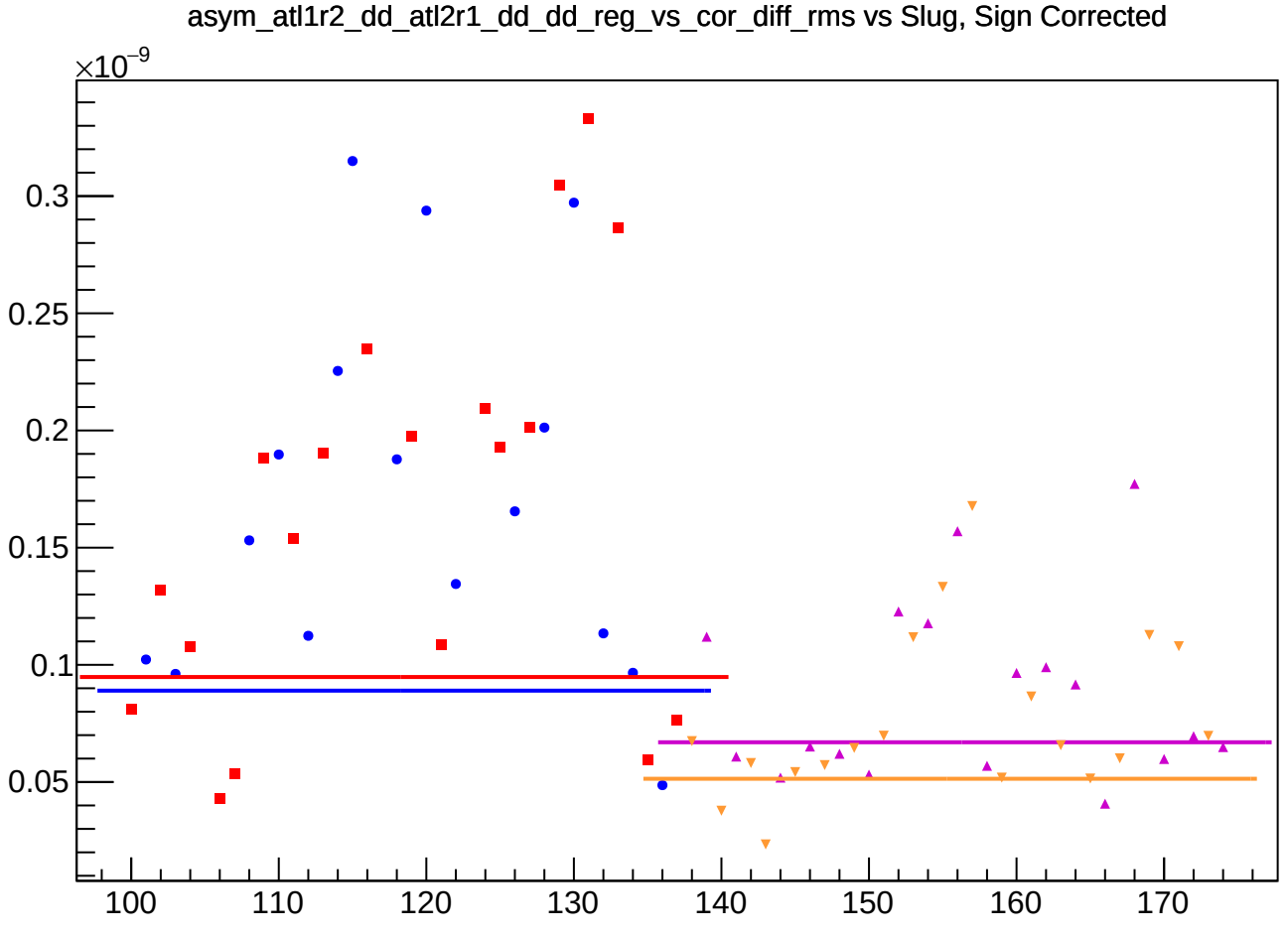
Left: 0.000+/-0.000 χ^2/NDF: 27.1/36

Right: 0.000+/-0.000 χ^2/NDF: 33.7/34

In: 0.000+/-0.000 χ^2/NDF:29.7/33

Out: 0.000+/-0.000 χ^2/NDF:31.2/37

All: 0.000+/-0.000 χ^2/NDF: 60.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1460718.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2392370.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734601.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1375901.5/17

Left: 0.000+/-0.000 χ^2/NDF: 4104238.9/36

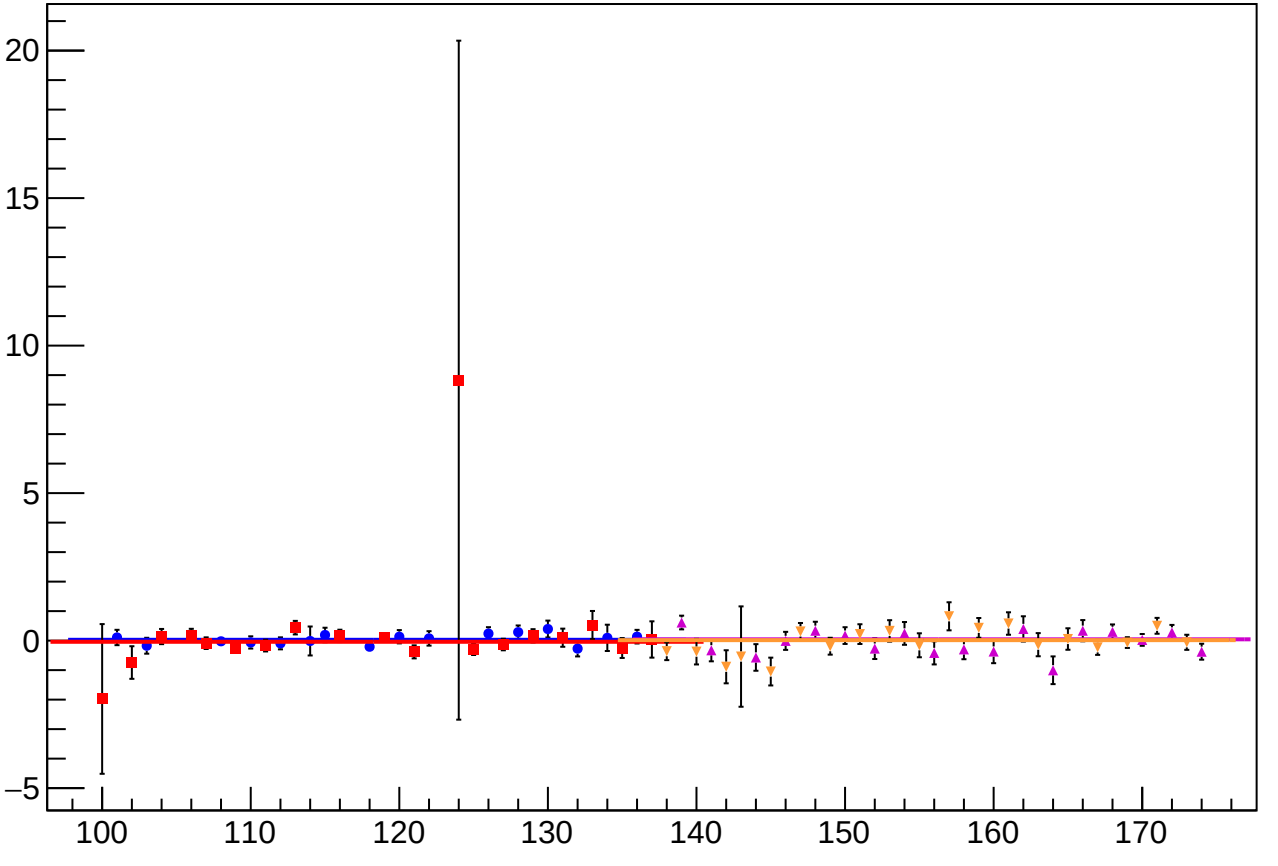
Right: 0.000+/-0.000 χ^2/NDF: 3204262.4/34

In: 0.000+/-0.000 χ^2/NDF:3059842.5/33

Out: 0.000+/-0.000 χ^2/NDF:4934415.5/37

All: 0.000+/-0.000 χ^2/NDF: 8349189.5/71

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

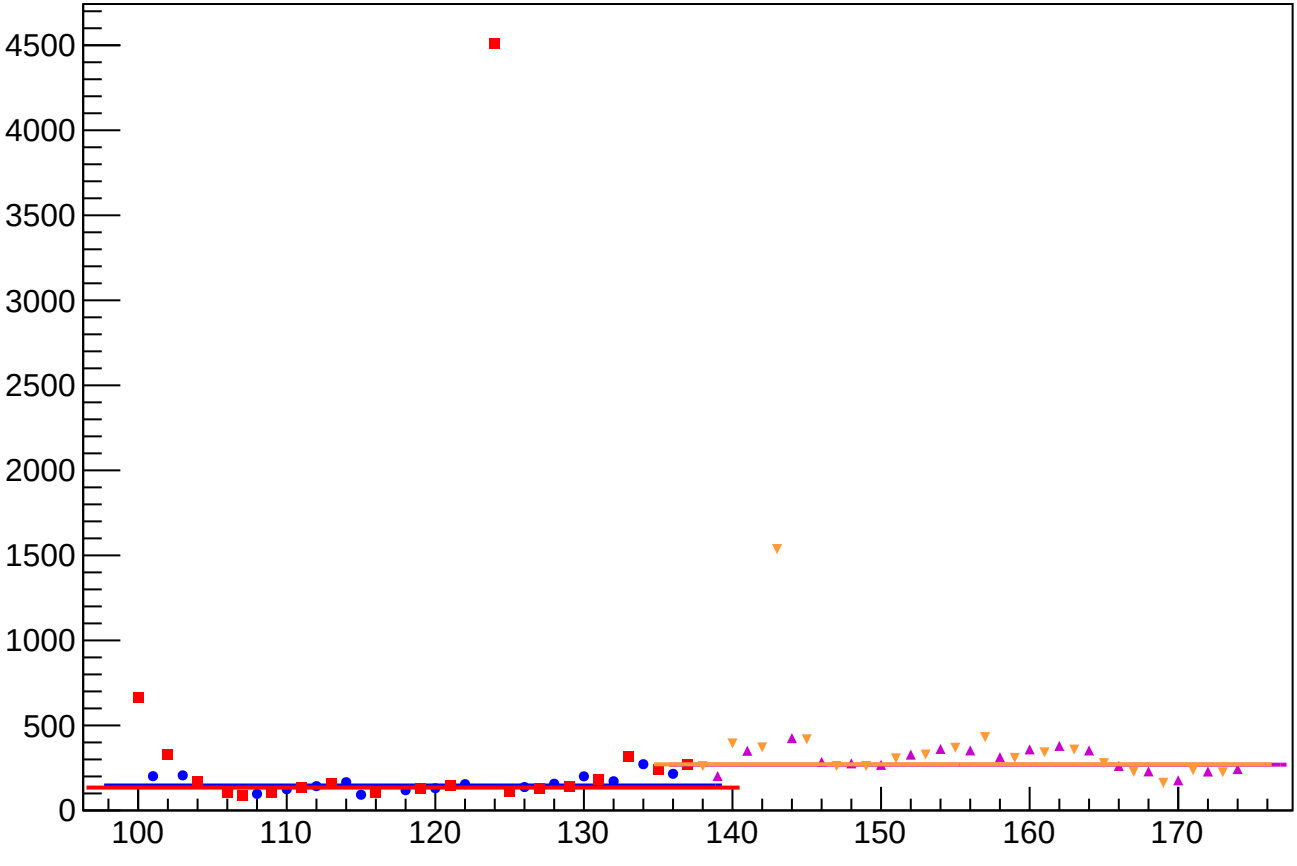
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

Left: 270.304+/-0.037 χ^2/NDF: 4658240.7/36

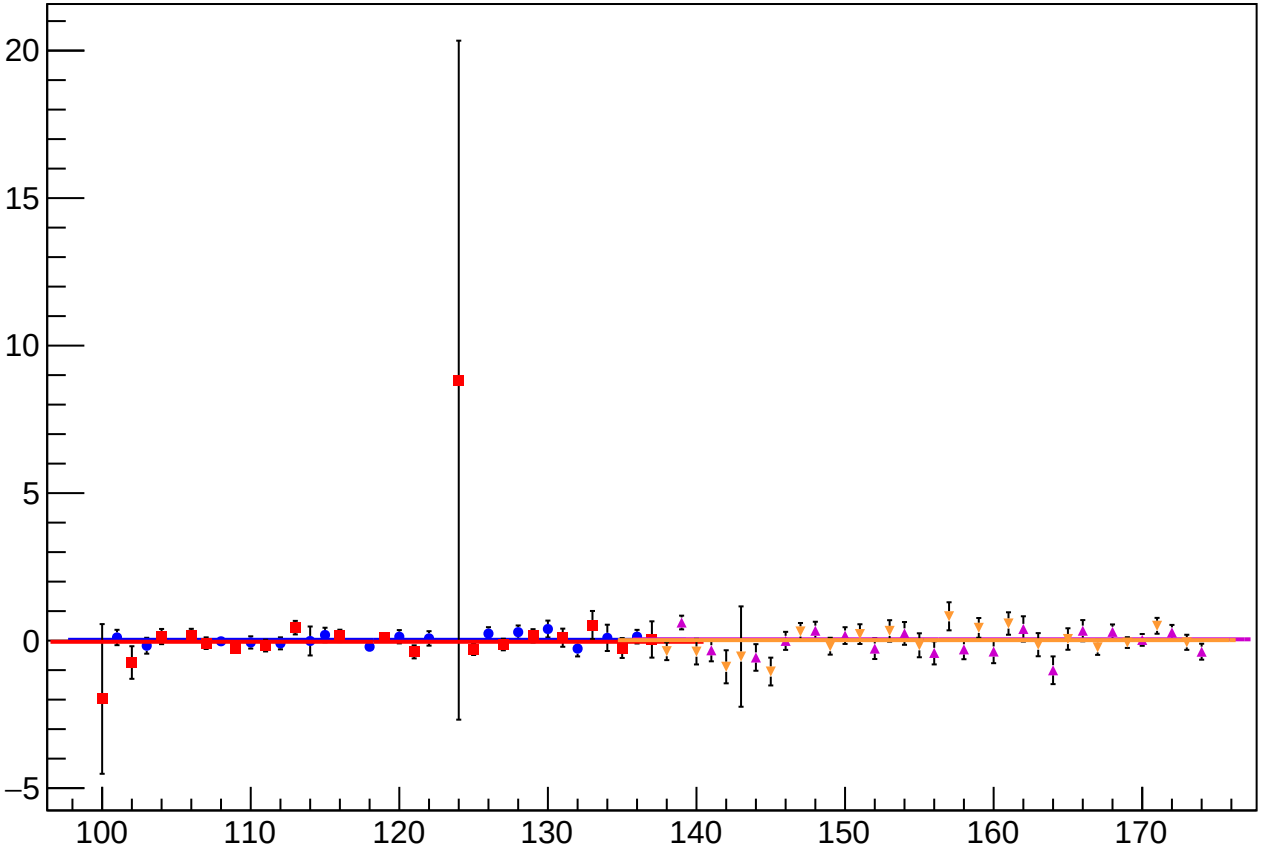
Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

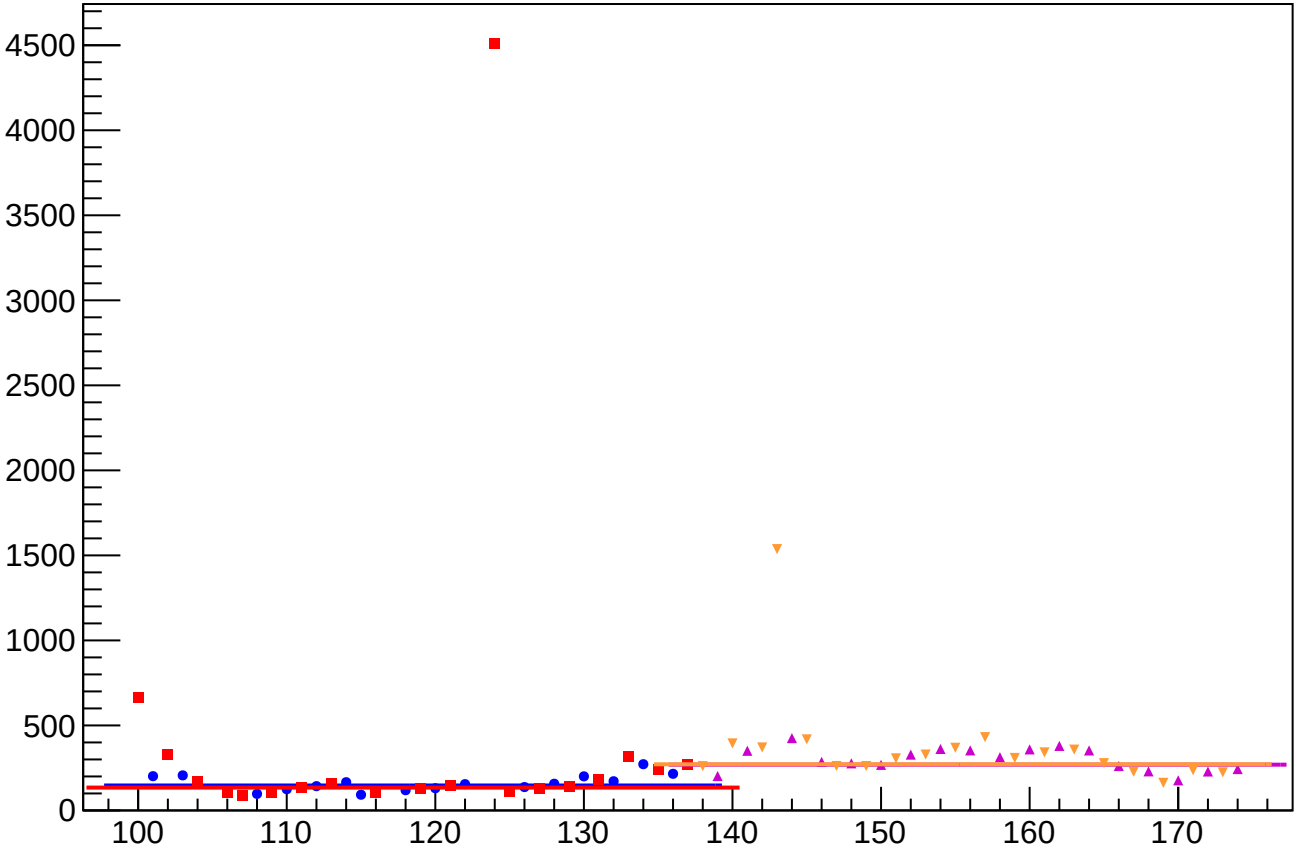
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998704.7/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010380.1/18

Right Out: 134.505+/-0.039 χ^2/NDF: 1606383.2/18

Left In: 269.242+/-0.051 χ^2/NDF:1646987.9/17

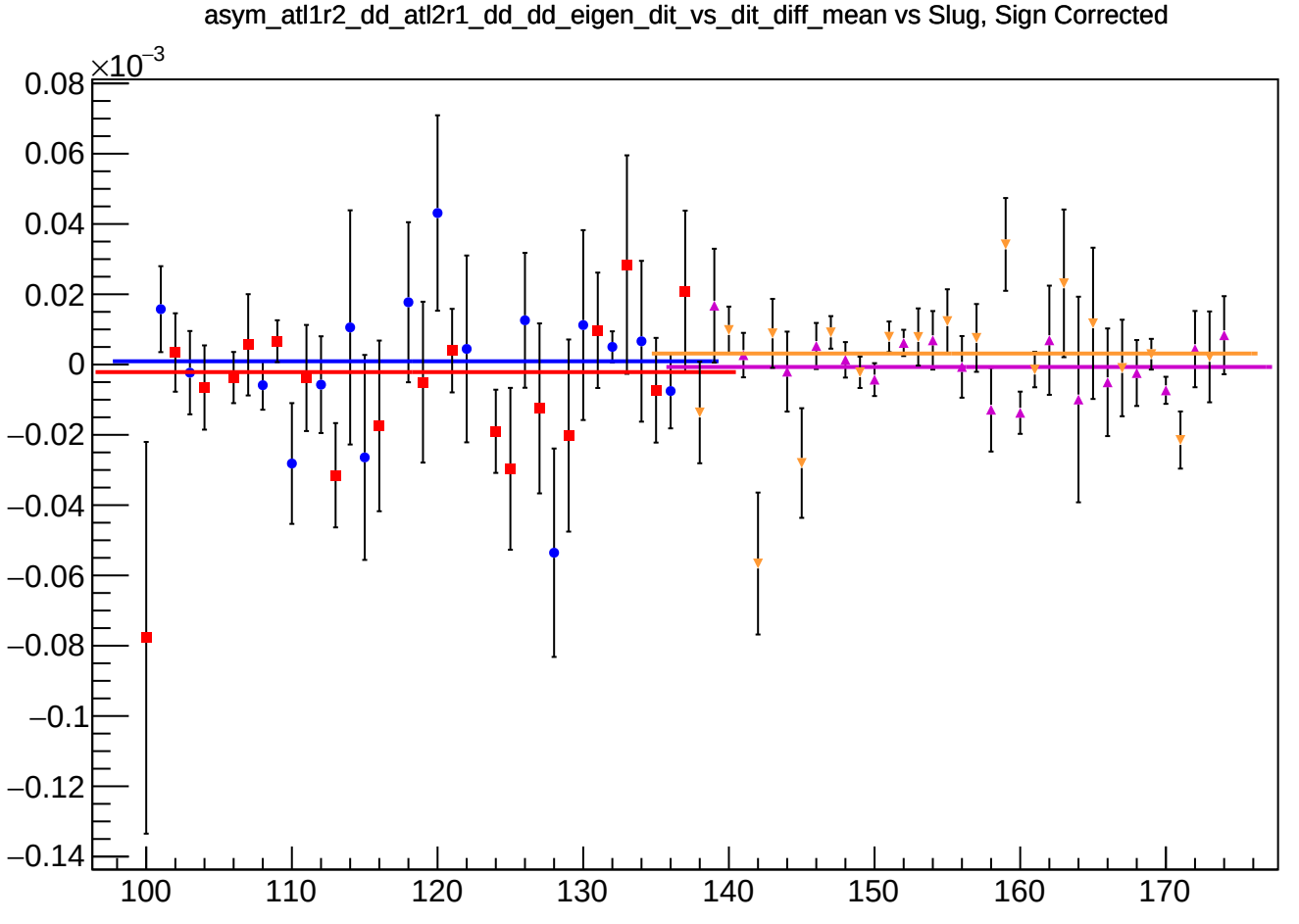
Left: 270.304+/-0.037 χ^2/NDF: 4658240.7/36

Right: 140.347+/-0.028 χ^2/NDF: 2653079.7/34

In: 194.080+/-0.032 χ^2/NDF:6120115.6/33

Out: 182.517+/-0.031 χ^2/NDF:8998044.4/37

All: 188.160+/-0.022 χ^2/NDF: 15185133.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:17.3/17

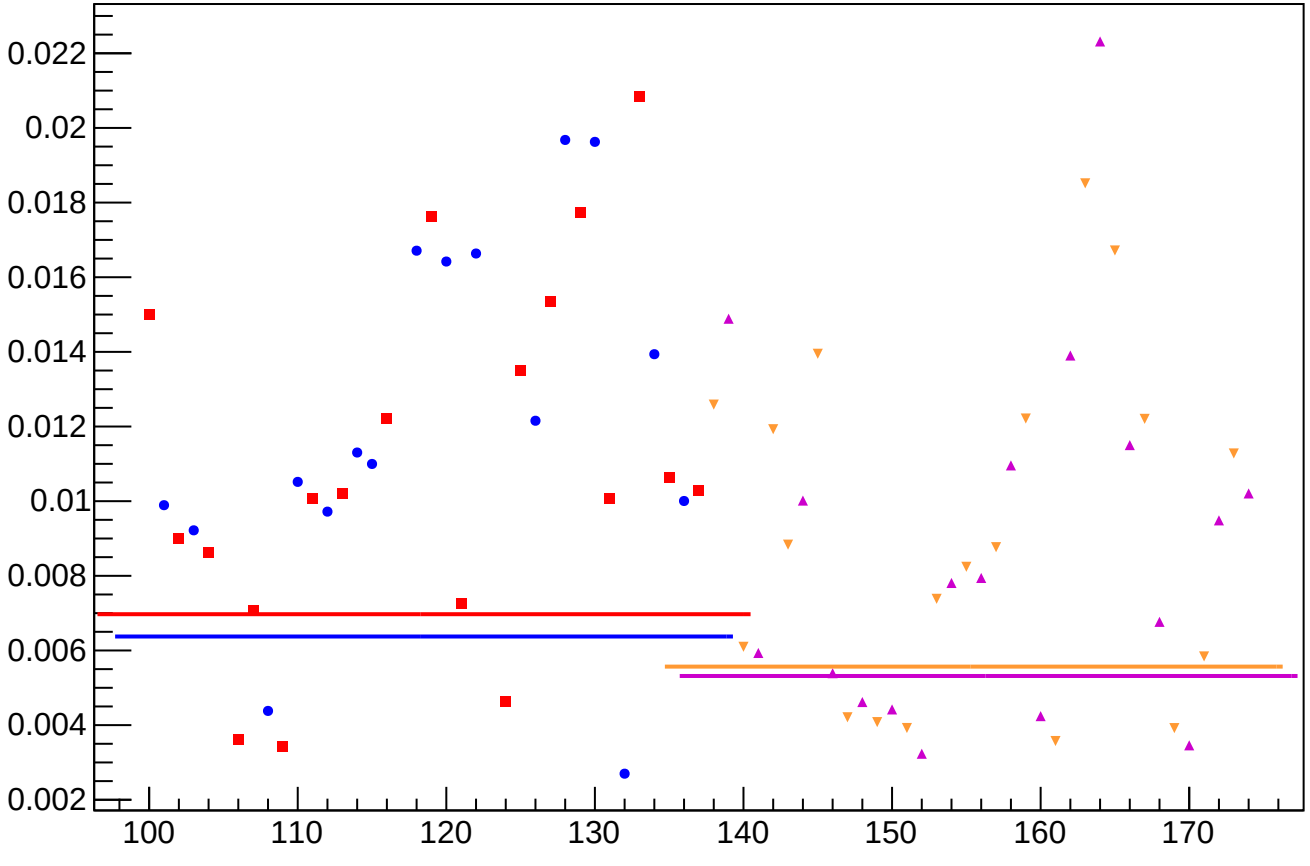
Left: 0.000+/-0.000 χ^2/NDF: 58.0/36

Right: -0.000+/-0.000 χ^2/NDF: 31.5/34

In: -0.000+/-0.000 χ^2/NDF:32.4/33

Out: 0.000+/-0.000 χ^2/NDF:56.4/37

All: 0.000+/-0.000 χ^2/NDF: 90.0/71



Right In: 0.006+/-0.000 χ^2/NDF: 4639775.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:5913832.2/18

Right Out: 0.007+/-0.000 χ^2/NDF: 3409939.3/18

Left In: 0.005+/-0.000 χ^2/NDF:5474521.5/17

Left: 0.005+/-0.000 χ^2/NDF: 11411767.7/36

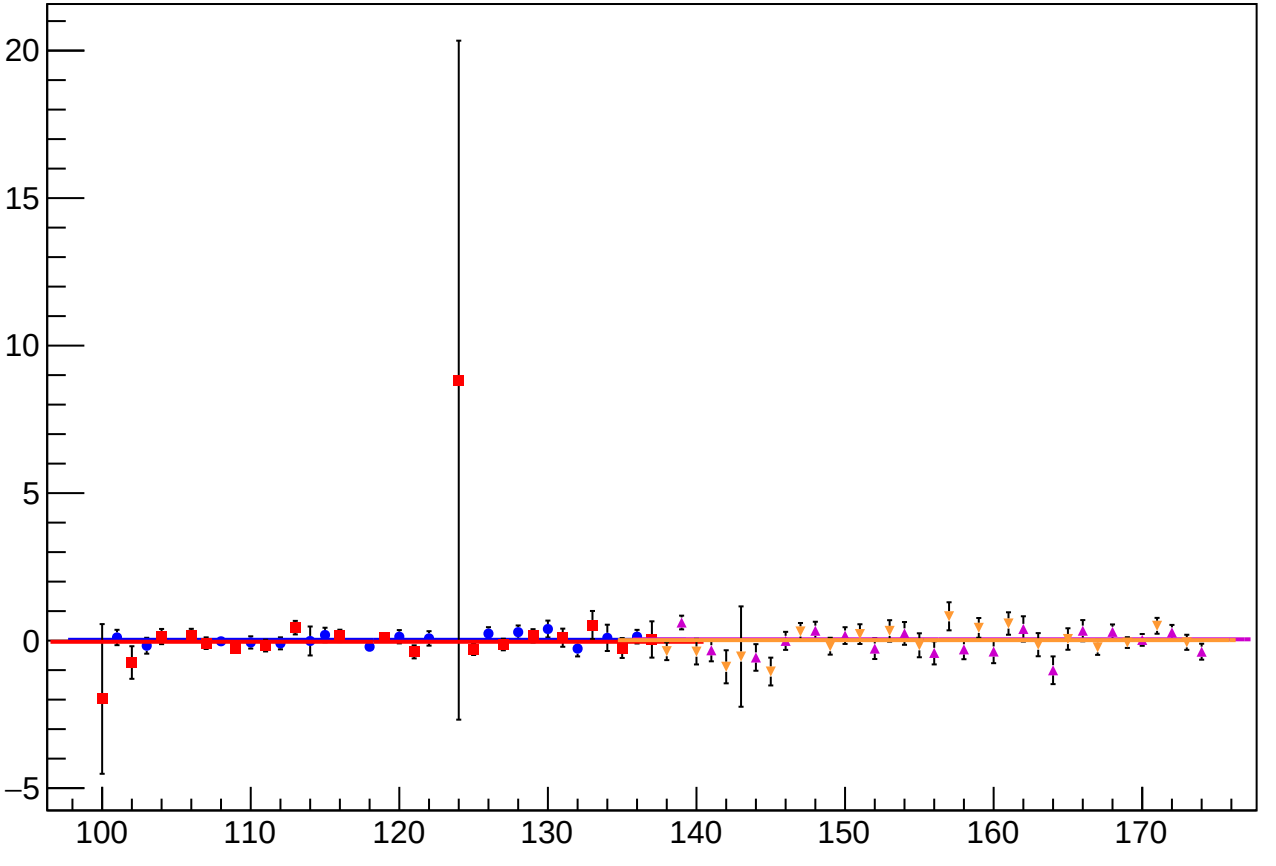
Right: 0.007+/-0.000 χ^2/NDF: 8090163.7/34

In: 0.006+/-0.000 χ^2/NDF:10314569.2/33

Out: 0.006+/-0.000 χ^2/NDF:9656185.3/37

All: 0.006+/-0.000 χ^2/NDF: 20024617.4/71

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

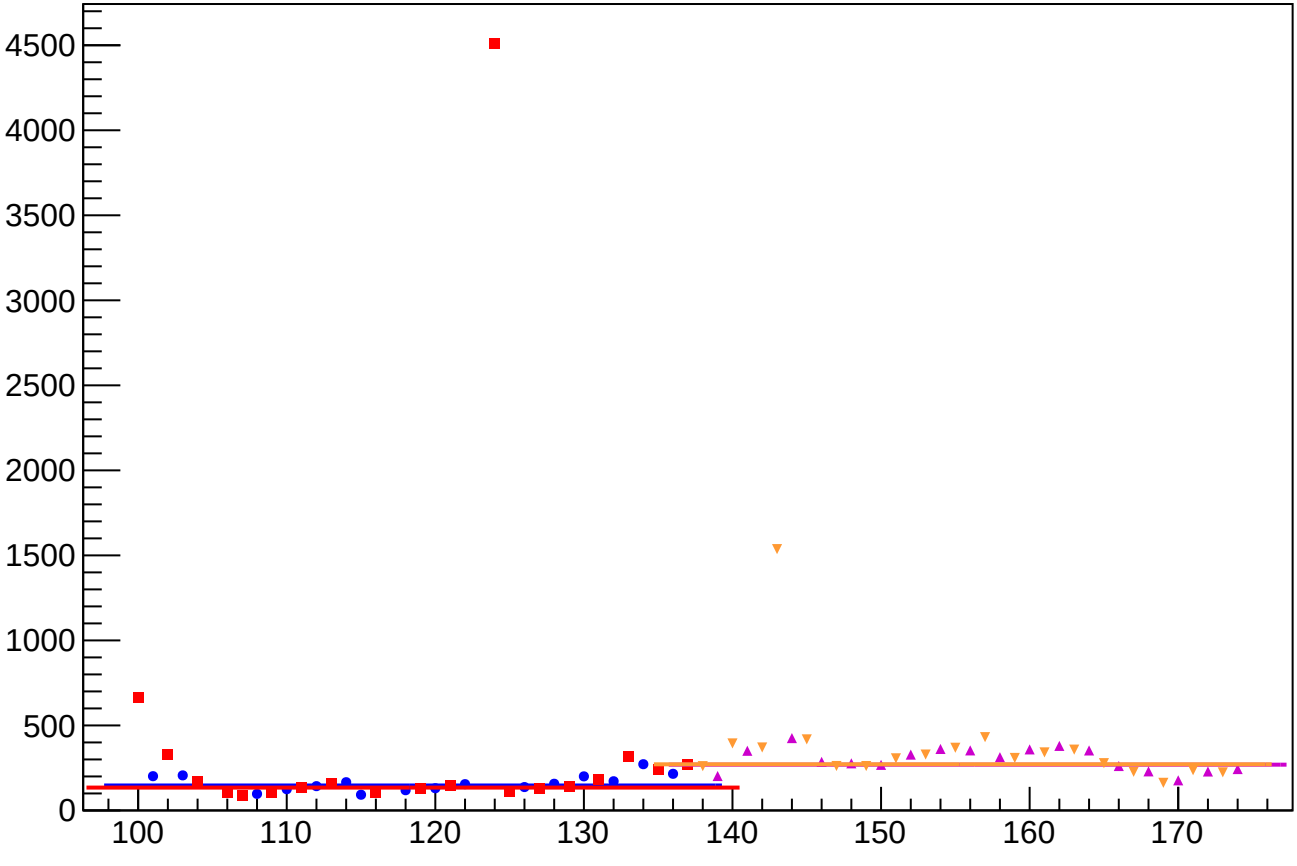
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

Left: 270.305+/-0.037 χ^2/NDF: 4658446.9/36

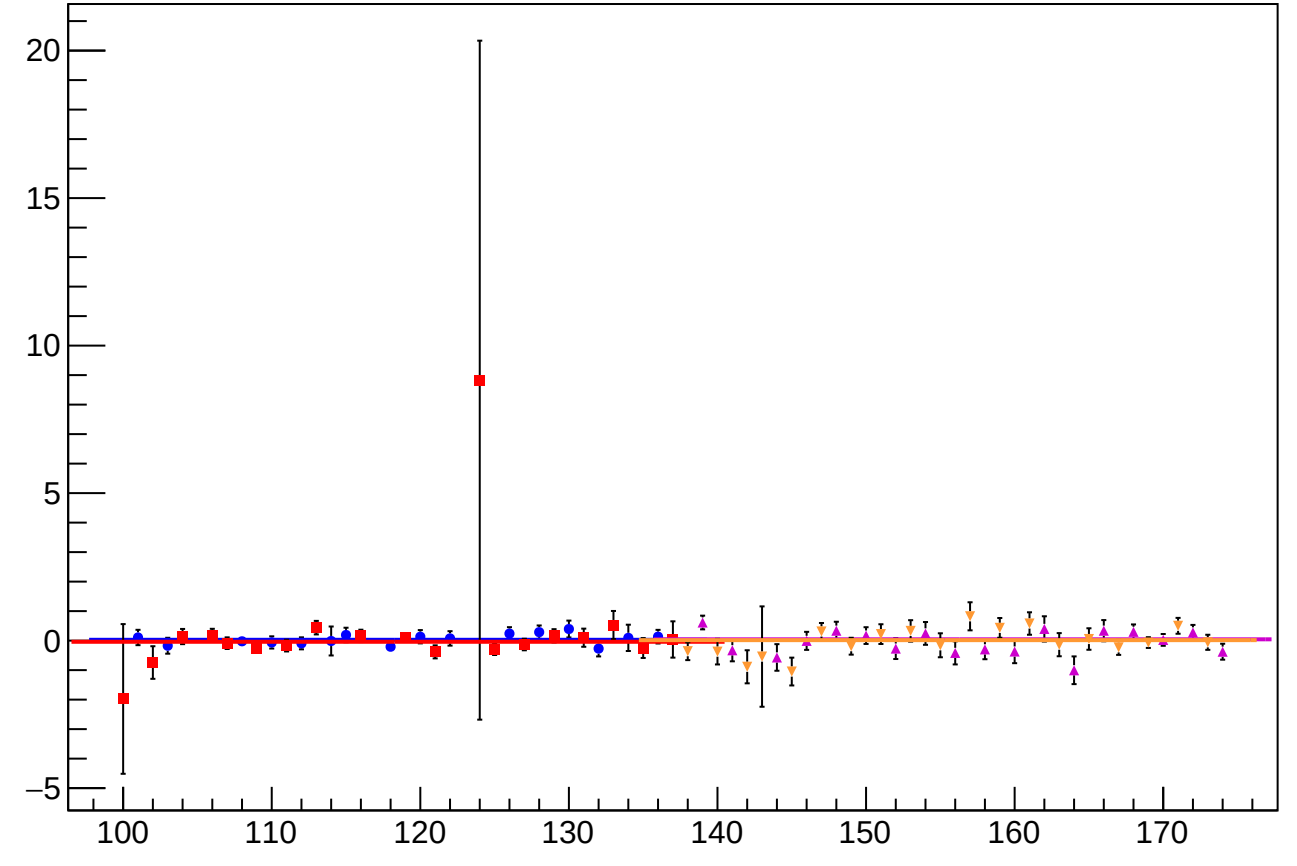
Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.058 χ^2/NDF: 9.4/15

Left Out: 0.016+/-0.075 χ^2/NDF:24.2/18

Right Out: -0.039+/-0.055 χ^2/NDF: 20.0/18

Left In: 0.044+/-0.073 χ^2/NDF:25.2/17

Left: 0.031+/-0.052 χ^2/NDF: 49.5/36

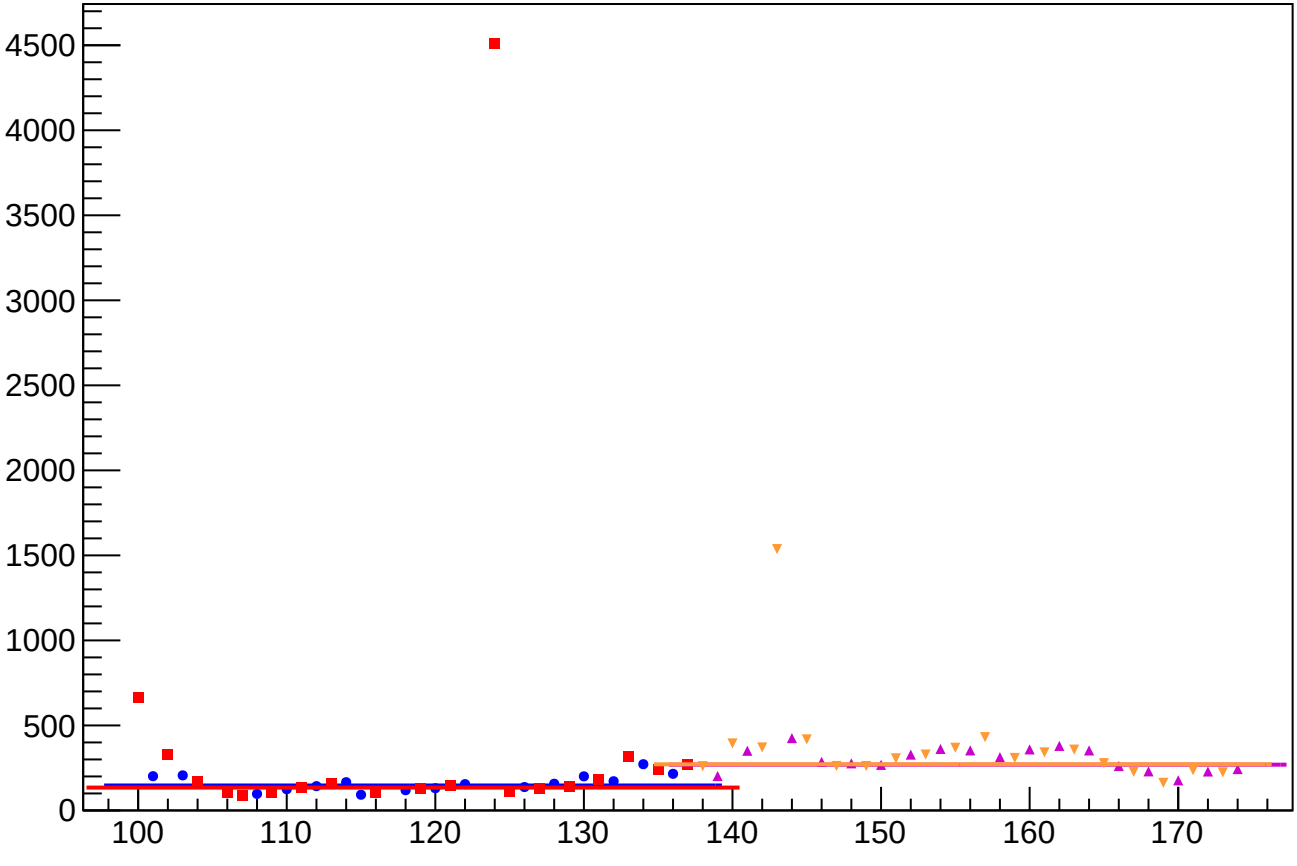
Right: -0.007+/-0.040 χ^2/NDF: 30.2/34

In: 0.034+/-0.045 χ^2/NDF:34.6/33

Out: -0.020+/-0.044 χ^2/NDF:44.6/37

All: 0.007+/-0.032 χ^2/NDF: 80.0/71

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.829+/-0.041 χ^2/NDF: 998646.8/15

Left Out: 271.419+/-0.053 χ^2/NDF:3010520.3/18

Right Out: 134.506+/-0.039 χ^2/NDF: 1606310.4/18

Left In: 269.244+/-0.051 χ^2/NDF:1647055.0/17

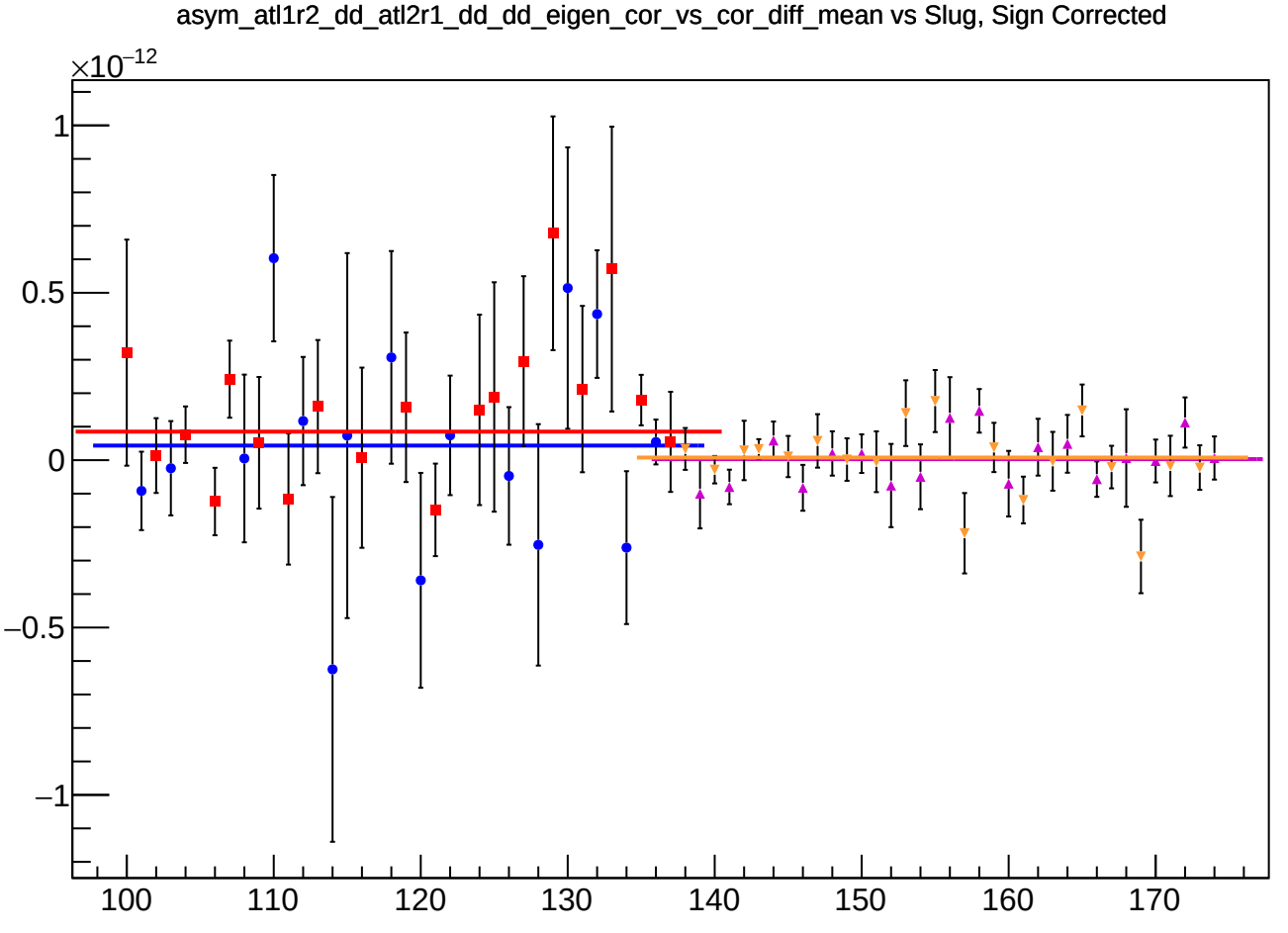
Left: 270.305+/-0.037 χ^2/NDF: 4658446.9/36

Right: 140.348+/-0.028 χ^2/NDF: 2652938.4/34

In: 194.080+/-0.032 χ^2/NDF:6120183.7/33

Out: 182.518+/-0.031 χ^2/NDF:8997999.8/37

All: 188.160+/-0.022 χ^2/NDF: 15185143.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: 0.000+/-0.000 χ^2/NDF:17.3/17

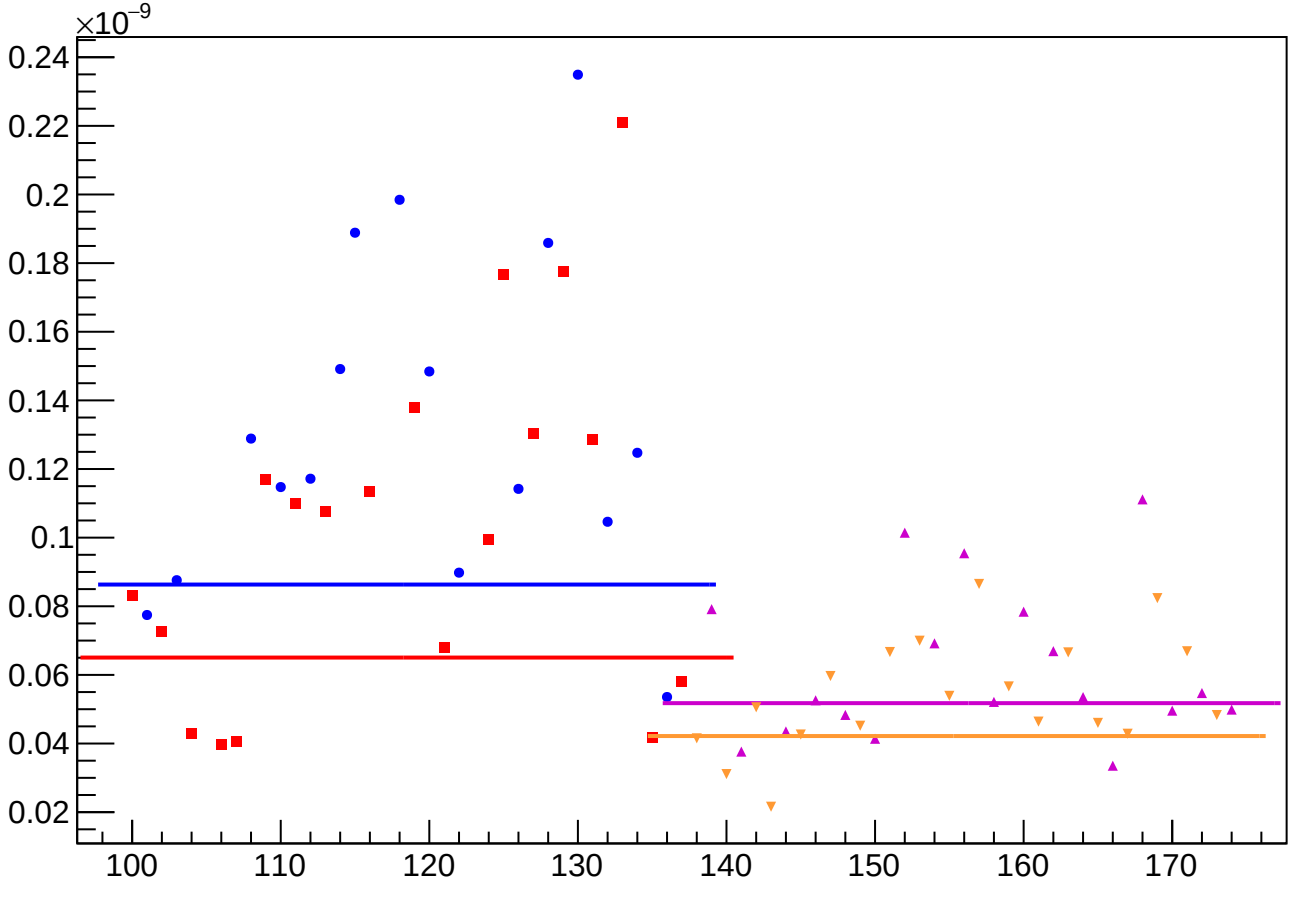
Left: 0.000+/-0.000 χ^2/NDF: 42.7/36

Right: 0.000+/-0.000 χ^2/NDF: 37.8/34

In: 0.000+/-0.000 χ^2/NDF:37.1/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 85.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 1565662.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:2520796.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2158861.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1834286.7/17

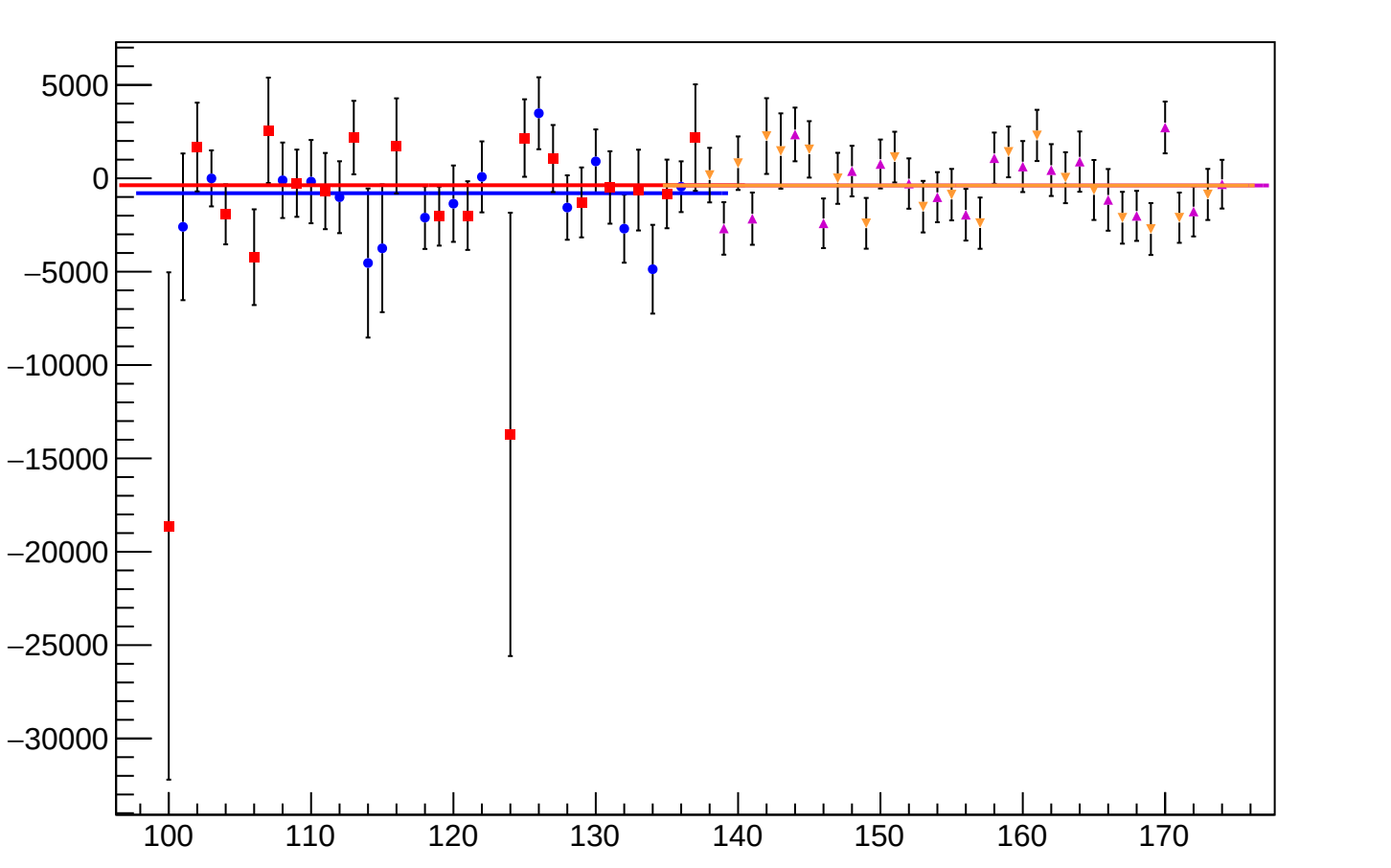
Left: 0.000+/-0.000 χ^2/NDF: 4715673.9/36

Right: 0.000+/-0.000 χ^2/NDF: 4026528.8/34

In: 0.000+/-0.000 χ^2/NDF:4528513.2/33

Out: 0.000+/-0.000 χ^2/NDF:5431767.0/37

All: 0.000+/-0.000 χ^2/NDF: 10488774.5/71



Right In: -797.285+/-487.453 χ^2/NDF: 13.4/15

Left Out: -382.913+/-329.647 χ^2/NDF:23.3/18

Right Out: -370.010+/-485.826 χ^2/NDF: 15.6/18

Left In: -382.635+/-326.503 χ^2/NDF:23.3/17

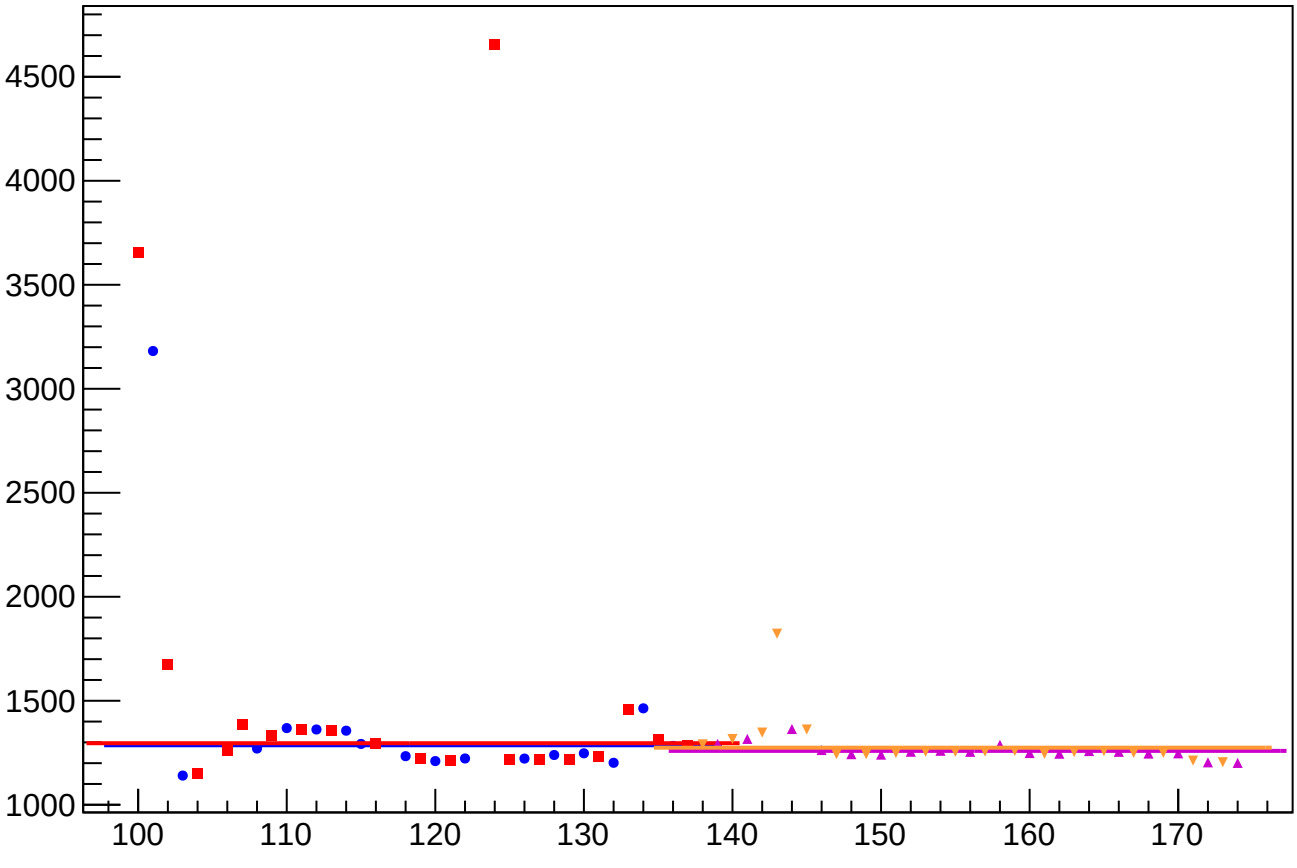
Left: -382.772+/-231.976 χ^2/NDF: 46.6/36

Right: -582.933+/-344.105 χ^2/NDF: 29.4/34

In: -511.053+/-271.272 χ^2/NDF:37.2/33

Out: -378.845+/-272.780 χ^2/NDF:39.0/37

All: -445.315+/-192.349 χ^2/NDF: 76.3/71



Right In: 1286.097+/-0.345 χ^2/NDF: 518126.9/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1295.943+/-0.344 χ^2/NDF: 328069.9/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1266.661+/-0.164 χ^2/NDF: 202574.0/36

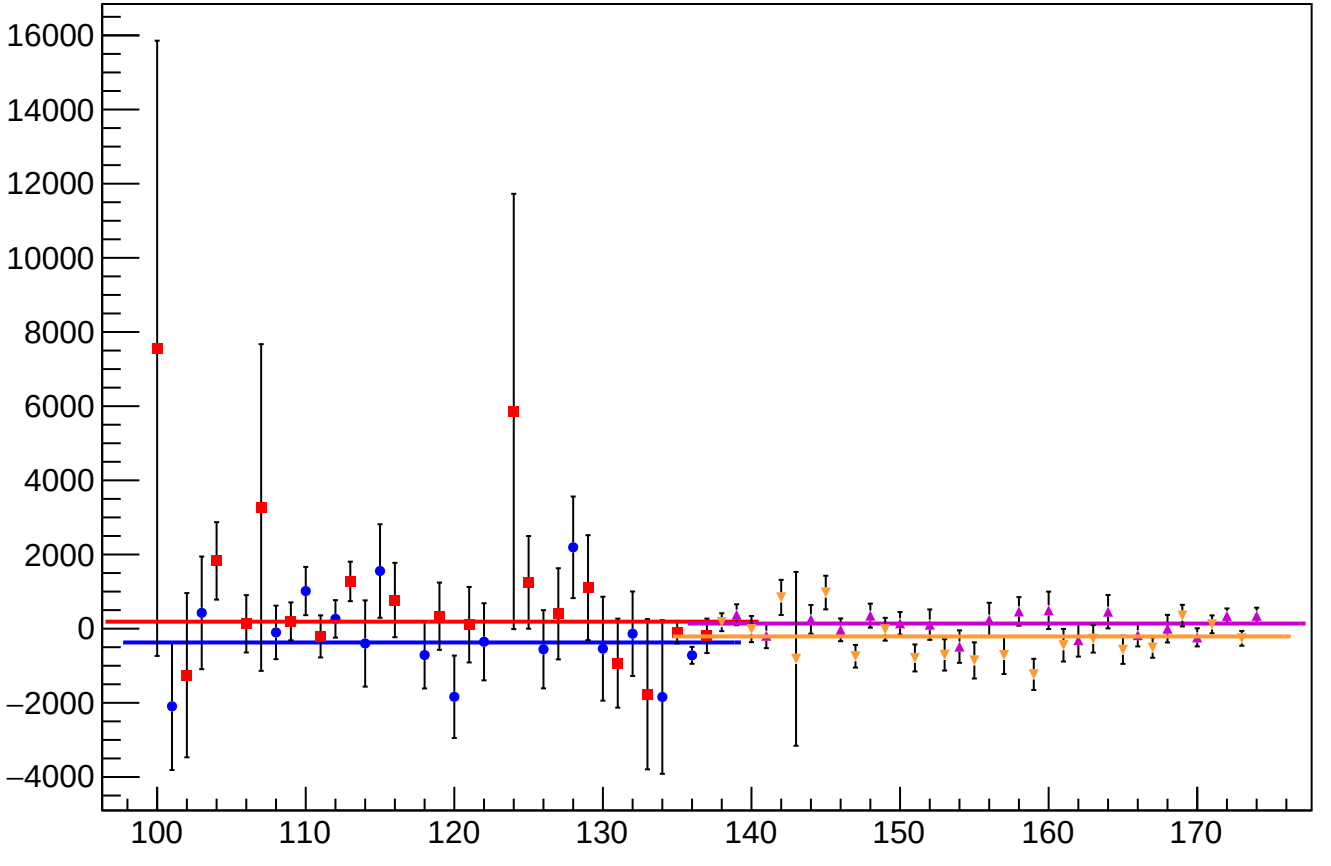
Right: 1291.036+/-0.243 χ^2/NDF: 846606.2/34

In: 1267.422+/-0.192 χ^2/NDF:547203.9/33

Out: 1281.209+/-0.193 χ^2/NDF:506307.5/37

All: 1274.277+/-0.136 χ^2/NDF: 1056080.3/71

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -372.325+/-168.204 χ^2/NDF: 18.2/15

Left Out: -209.997+/-76.800 χ^2/NDF:38.7/18

Right Out: 188.945+/-169.575 χ^2/NDF: 14.6/18

Left In: 138.419+/-75.356 χ^2/NDF:12.8/17

Left: -32.483+/-53.788 χ^2/NDF: 62.0/36

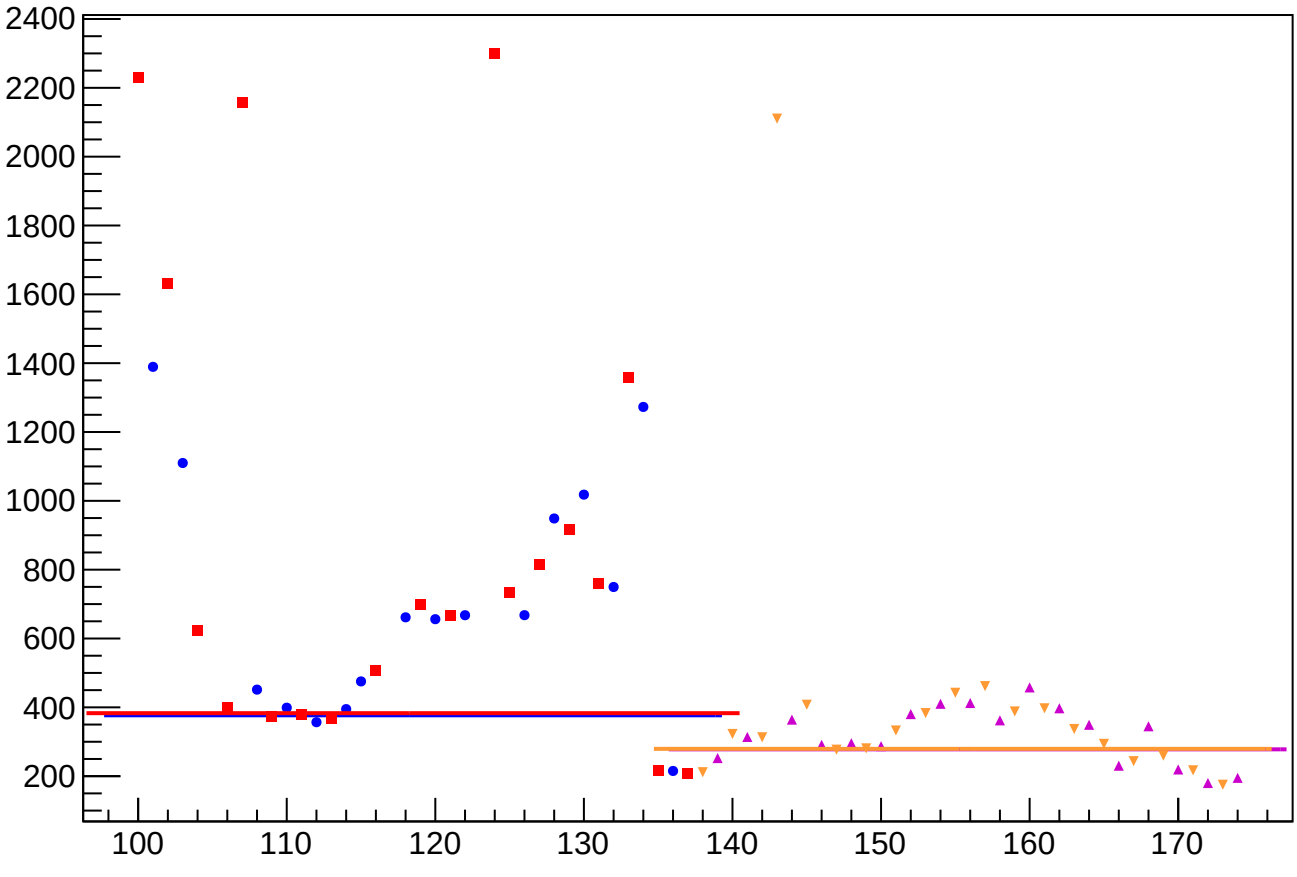
Right: -93.969+/-119.420 χ^2/NDF: 38.3/34

In: 53.044+/-68.770 χ^2/NDF:38.6/33

Out: -142.096+/-69.959 χ^2/NDF:58.0/37

All: -42.853+/-49.043 χ^2/NDF: 100.5/71

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 376.893+/-0.119 χ^2/NDF: 4190194.7/15

Left Out: 279.401+/-0.054 χ^2/NDF:3269761.7/18

Right Out: 383.074+/-0.120 χ^2/NDF: 4054121.5/18

Left In: 278.004+/-0.053 χ^2/NDF:2165381.0/17

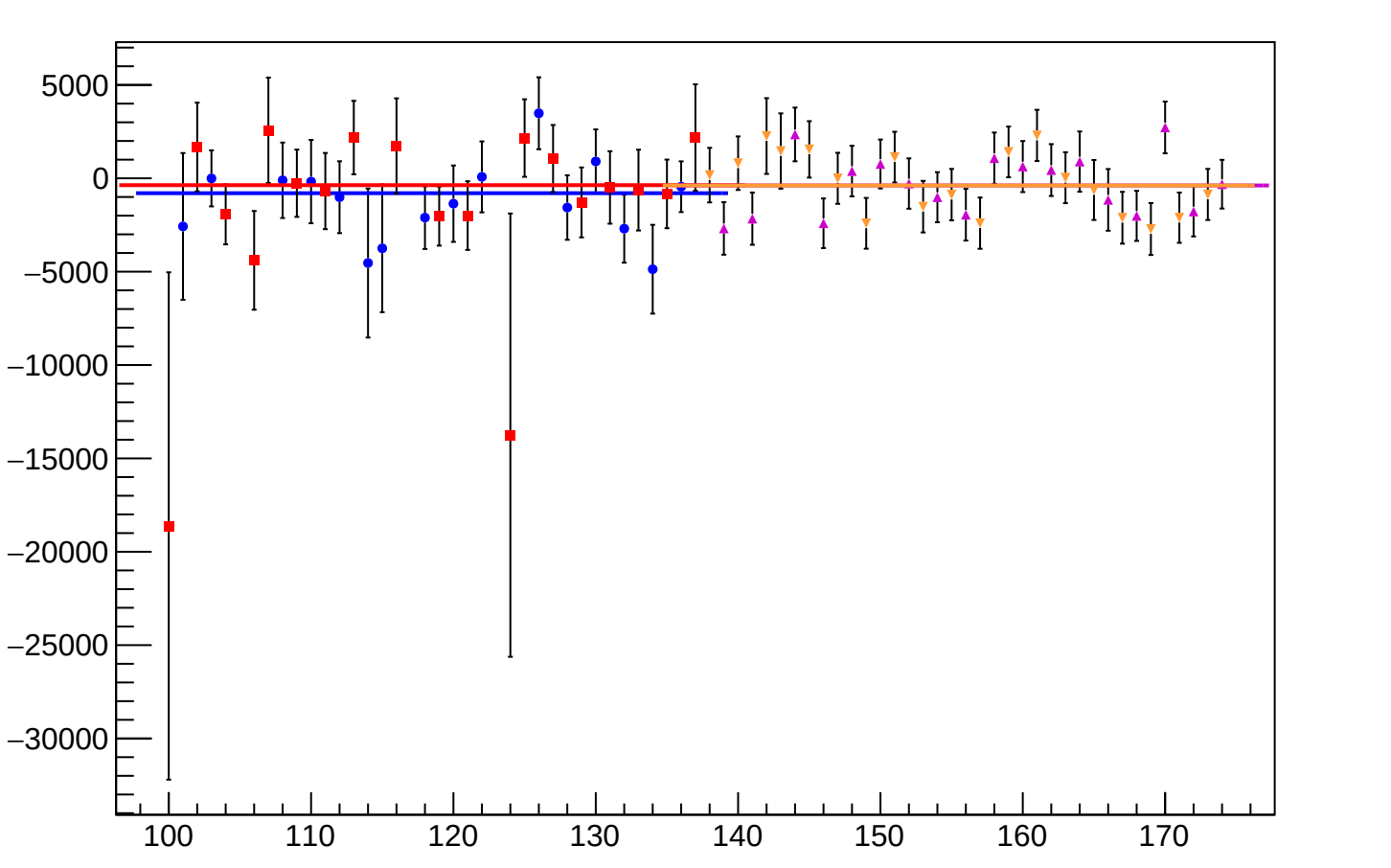
Left: 278.689+/-0.038 χ^2/NDF: 5435479.6/36

Right: 379.958+/-0.084 χ^2/NDF: 8245655.7/34

In: 294.534+/-0.049 χ^2/NDF:6931297.0/33

Out: 297.046+/-0.049 χ^2/NDF:7944194.1/37

All: 295.769+/-0.035 χ^2/NDF: 14876802.3/71



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

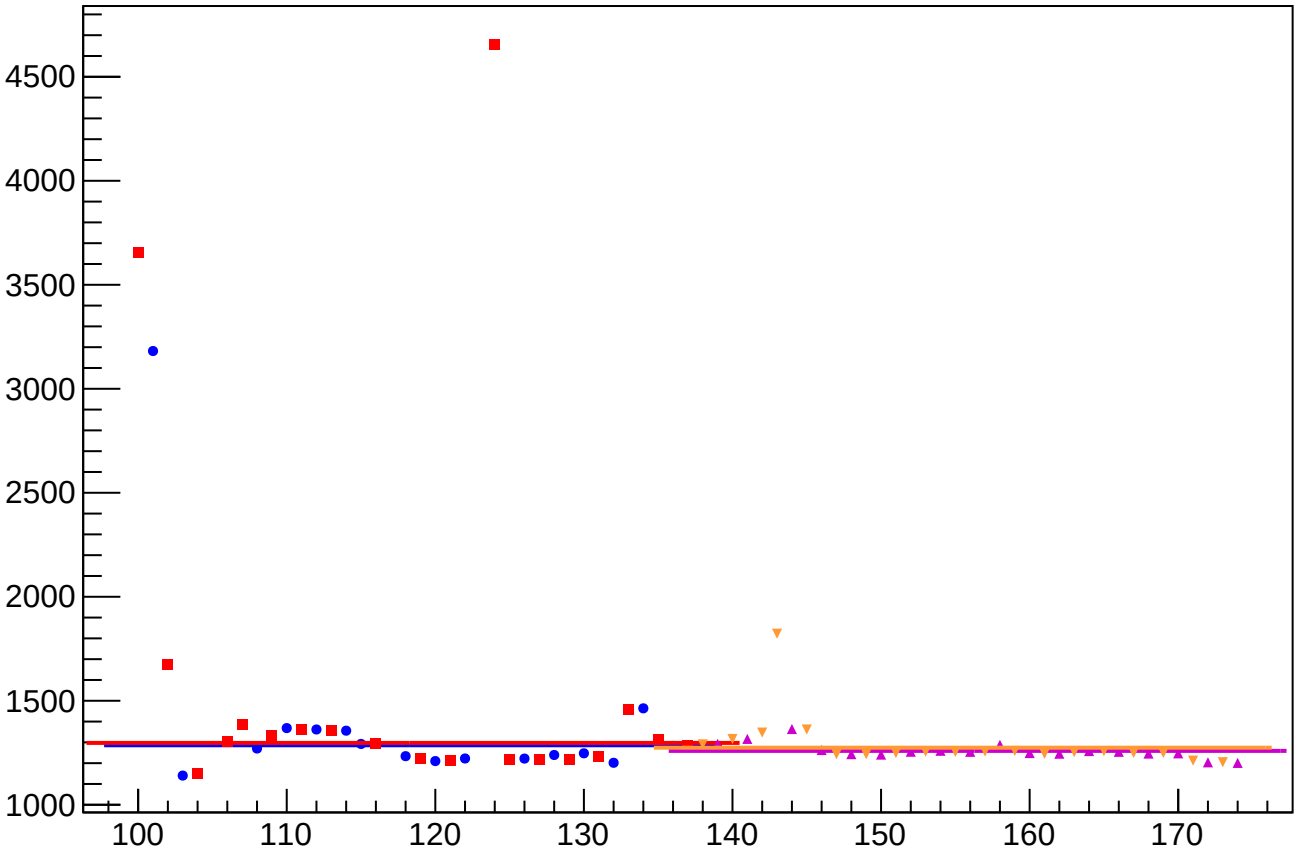
Left: -382.719+/-231.976 χ^2/NDF: 46.6/36

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -378.016+/-272.872 χ^2/NDF:39.0/37

All: -444.845+/-192.382 χ^2/NDF: 76.3/71



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1266.661+/-0.164 χ^2/NDF: 202574.0/36

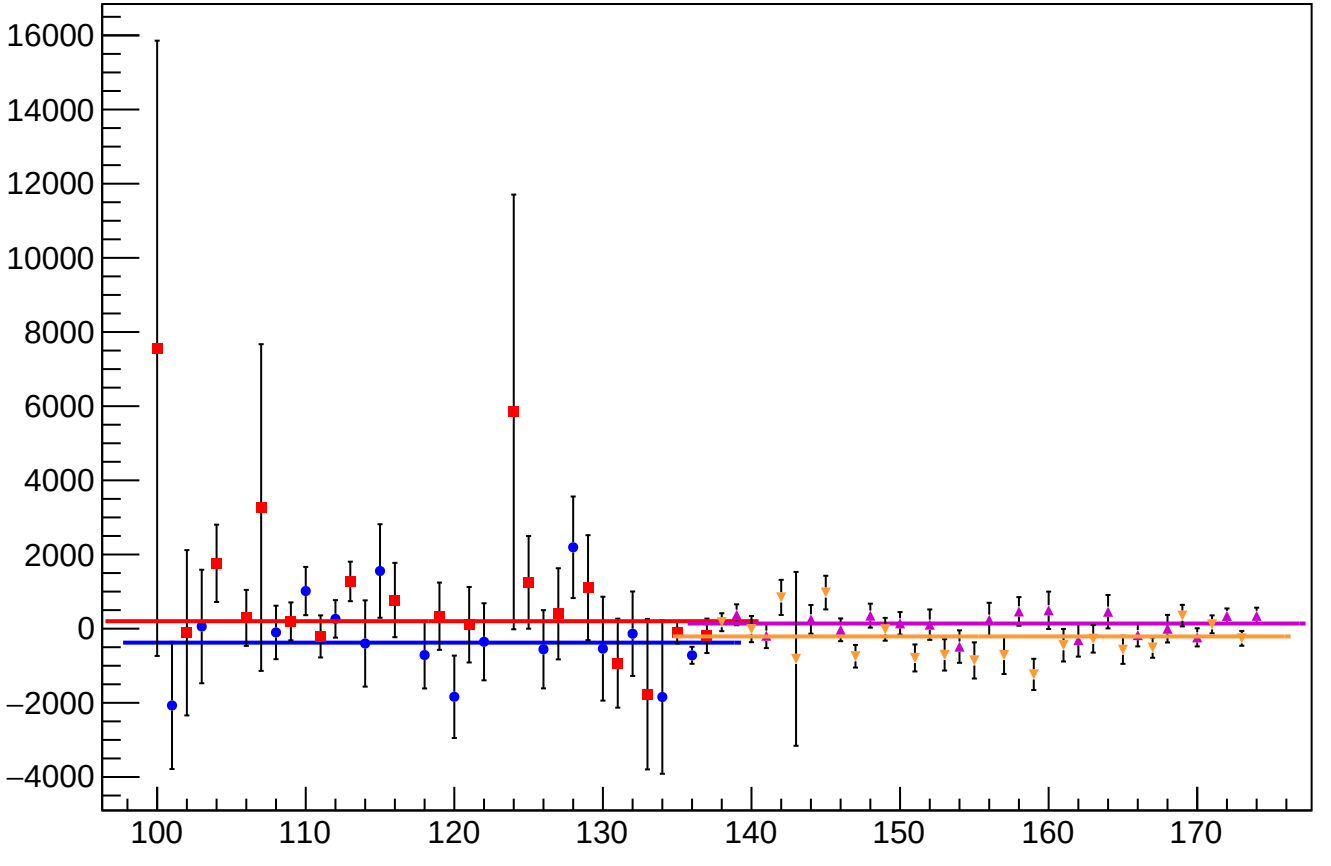
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -32.433+/-53.789 χ^2/NDF: 62.0/36

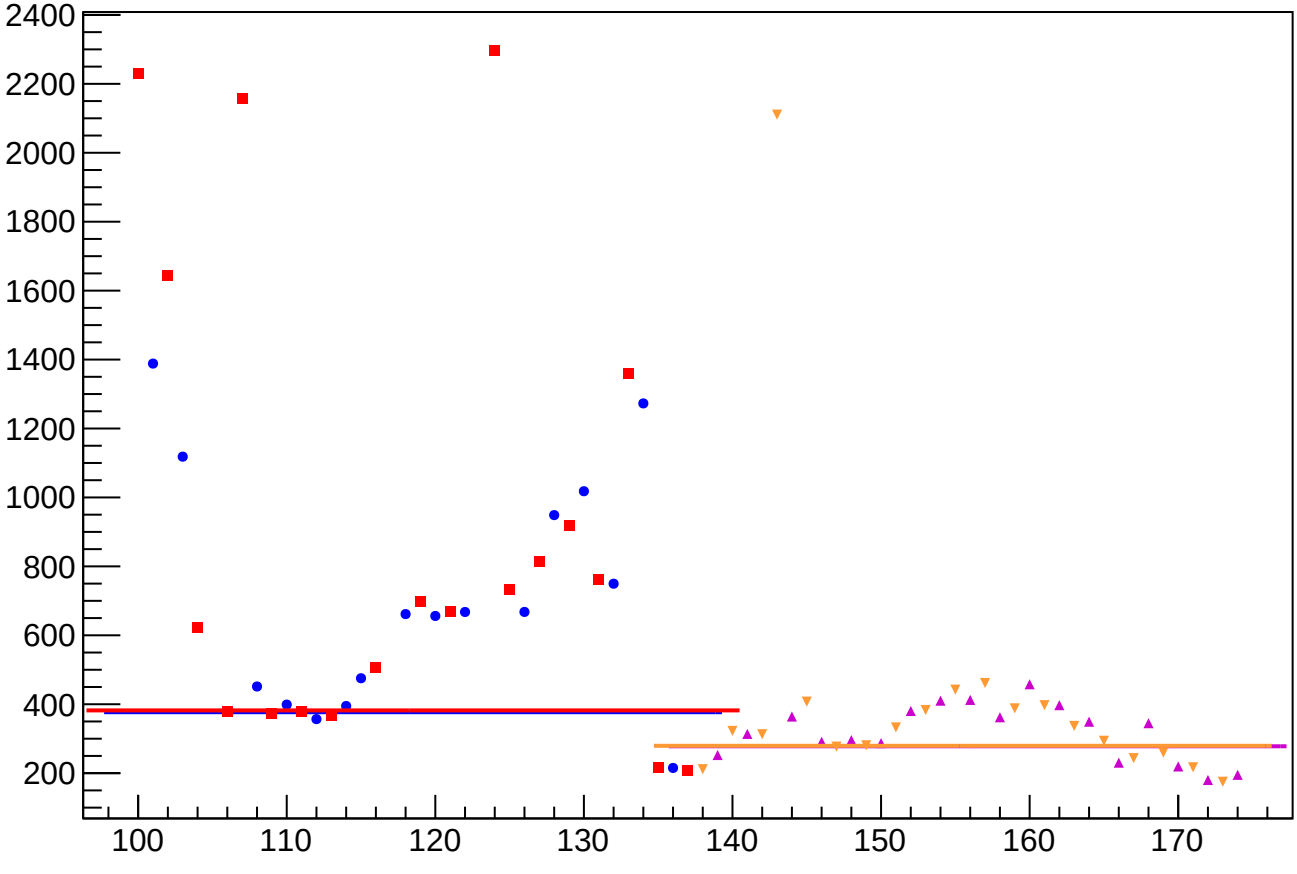
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -42.031+/-49.039 χ^2/NDF: 100.0/71

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

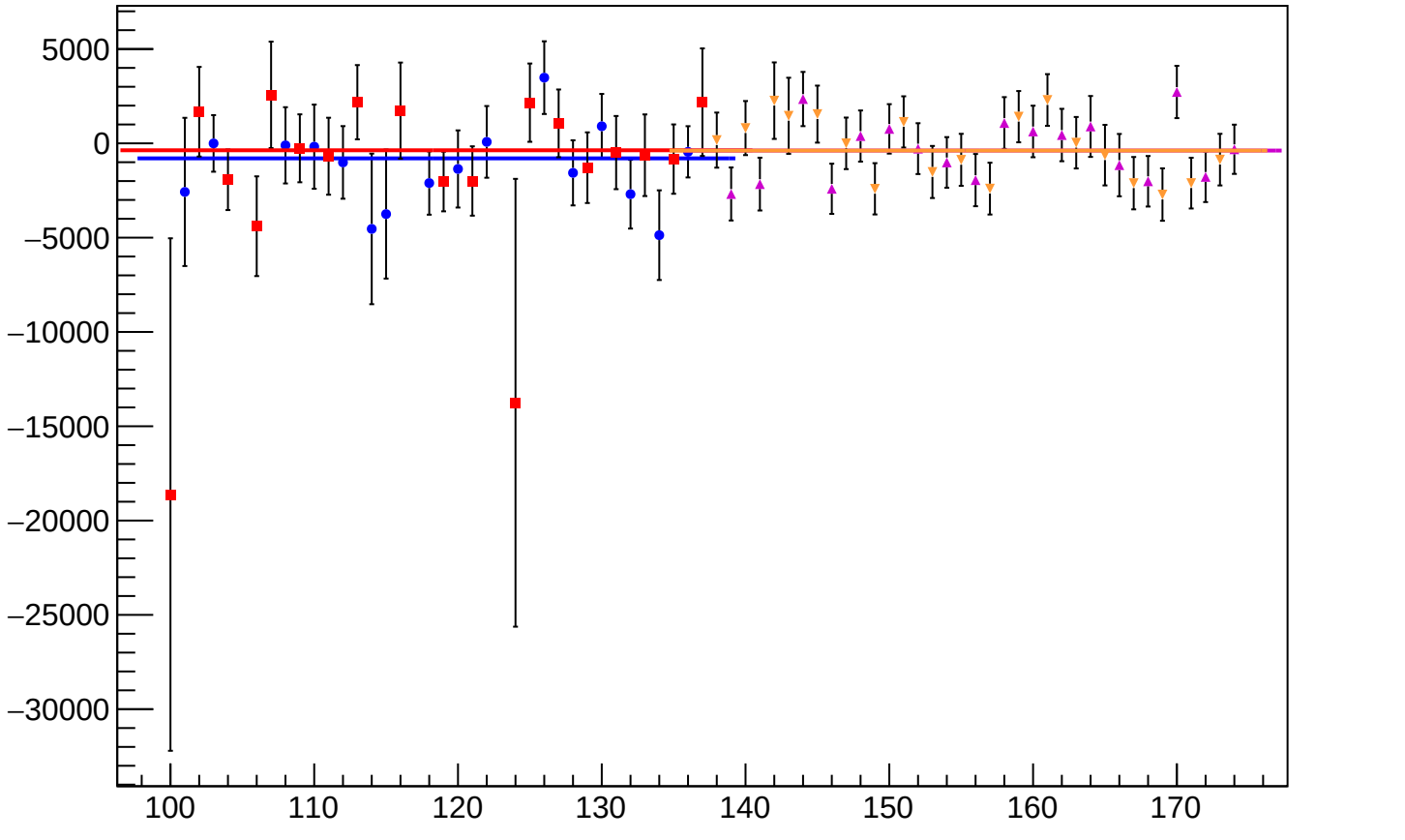
Left: 278.697+/-0.038 χ^2/NDF: 5435075.7/36

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71



Right In: -796.883+/-487.454 χ^2/NDF: 13.4/15

Left Out: -382.858+/-329.647 χ^2/NDF:23.3/18

Right Out: -367.476+/-486.348 χ^2/NDF: 15.7/18

Left In: -382.583+/-326.503 χ^2/NDF:23.3/17

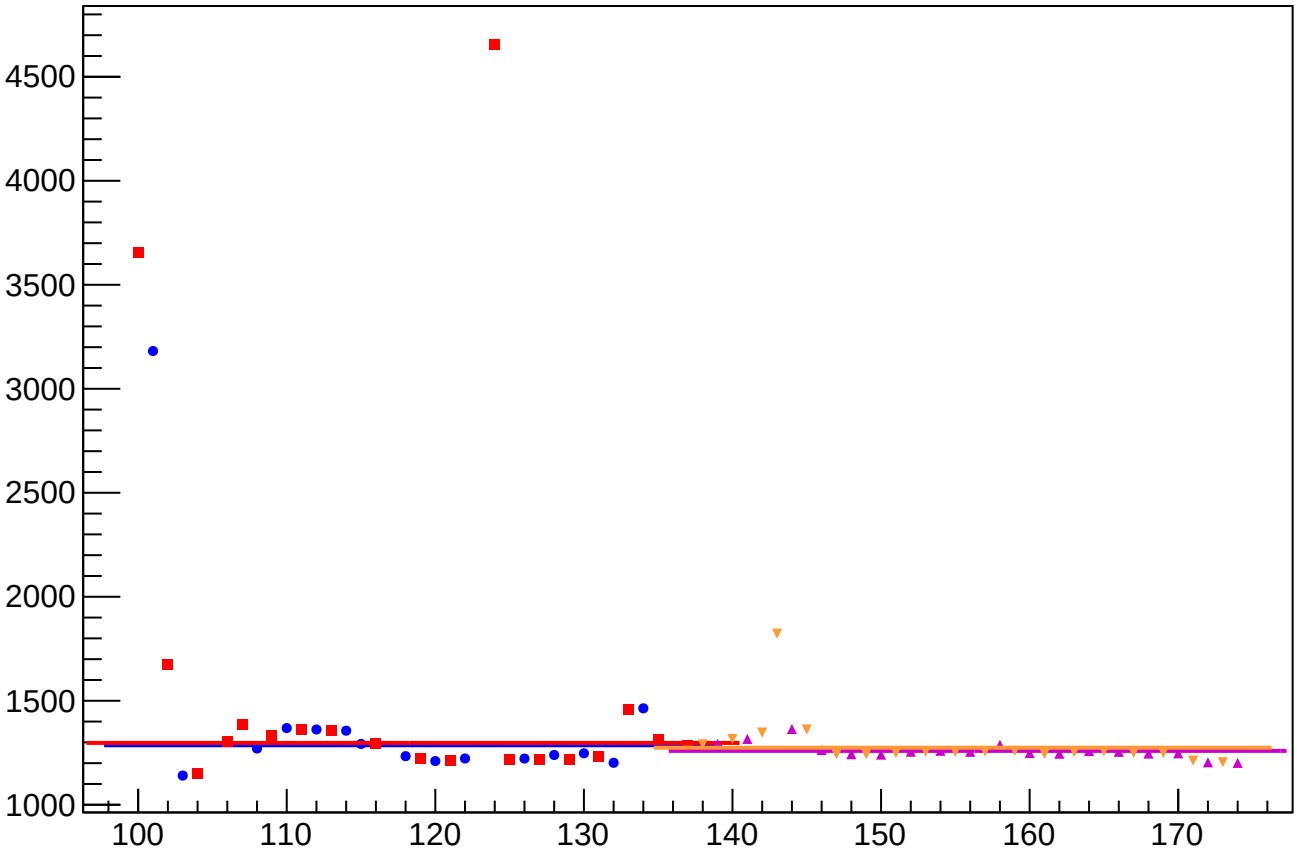
Left: -382.719+/-231.976 χ^2/NDF: 46.6/36

Right: -581.692+/-344.290 χ^2/NDF: 29.5/34

In: -510.893+/-271.272 χ^2/NDF:37.2/33

Out: -378.016+/-272.872 χ^2/NDF:39.0/37

All: -444.845+/-192.382 χ^2/NDF: 76.3/71



Right In: 1286.097+/-0.345 χ^2/NDF: 518128.4/15

Left Out: 1274.426+/-0.233 χ^2/NDF:175551.3/18

Right Out: 1297.394+/-0.344 χ^2/NDF: 327741.7/18

Left In: 1259.043+/-0.231 χ^2/NDF:24824.2/17

Left: 1266.661+/-0.164 χ^2/NDF: 202574.0/36

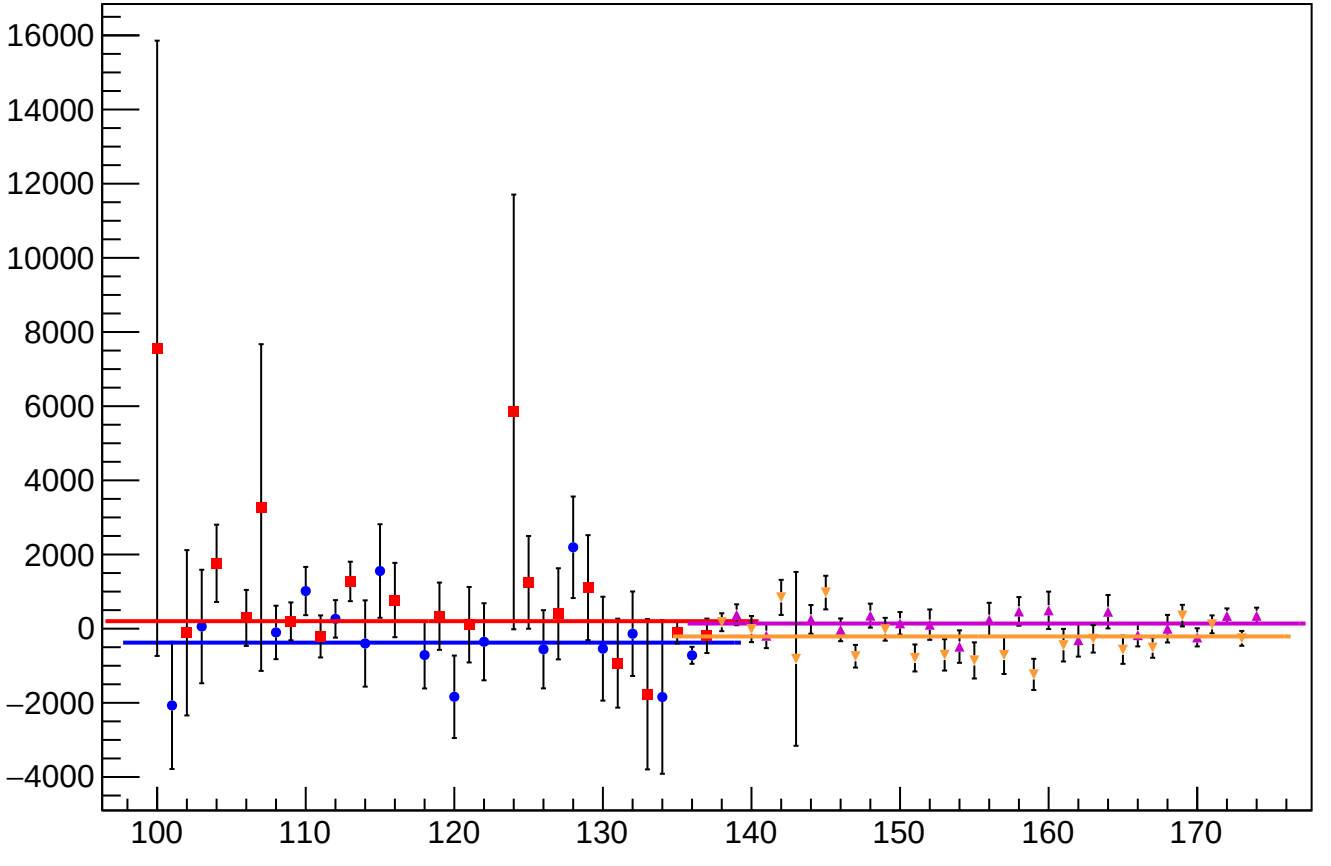
Right: 1291.758+/-0.243 χ^2/NDF: 846408.4/34

In: 1267.422+/-0.192 χ^2/NDF:547205.3/33

Out: 1281.656+/-0.193 χ^2/NDF:506349.4/37

All: 1274.497+/-0.136 χ^2/NDF: 1056291.8/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -376.771+/-168.223 χ^2/NDF: 17.9/15

Left Out: -209.973+/-76.802 χ^2/NDF:38.7/18

Right Out: 202.144+/-169.377 χ^2/NDF: 14.0/18

Left In: 138.492+/-75.357 χ^2/NDF:12.8/17

Left: -32.433+/-53.789 χ^2/NDF: 62.0/36

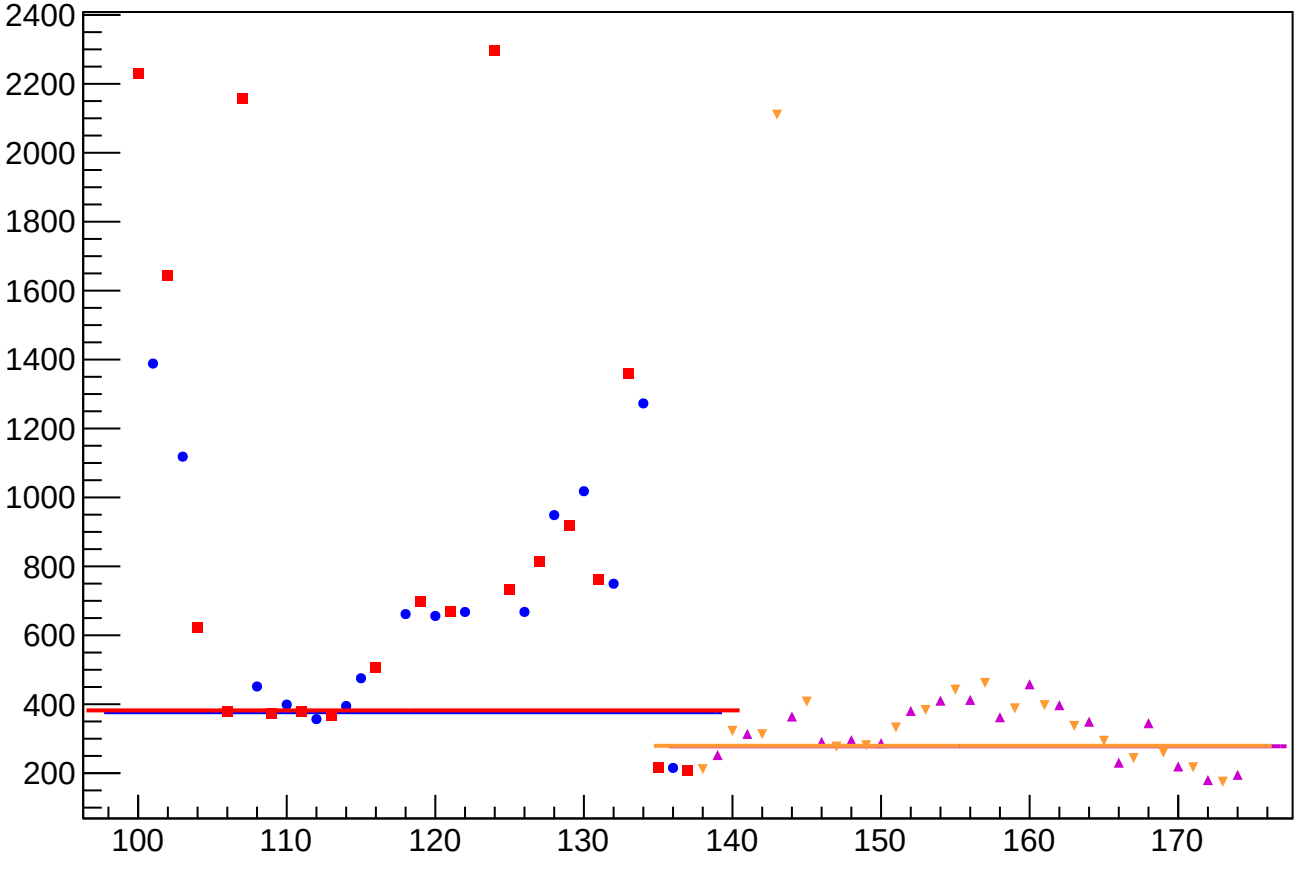
Right: -89.292+/-119.358 χ^2/NDF: 37.9/34

In: 52.375+/-68.772 χ^2/NDF:38.5/33

Out: -139.690+/-69.947 χ^2/NDF:57.7/37

All: -42.031+/-49.039 χ^2/NDF: 100.0/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 376.884+/-0.119 χ^2/NDF: 4193328.0/15

Left Out: 279.410+/-0.054 χ^2/NDF:3269537.0/18

Right Out: 382.136+/-0.120 χ^2/NDF: 4059600.2/18

Left In: 278.011+/-0.053 χ^2/NDF:2165200.3/17

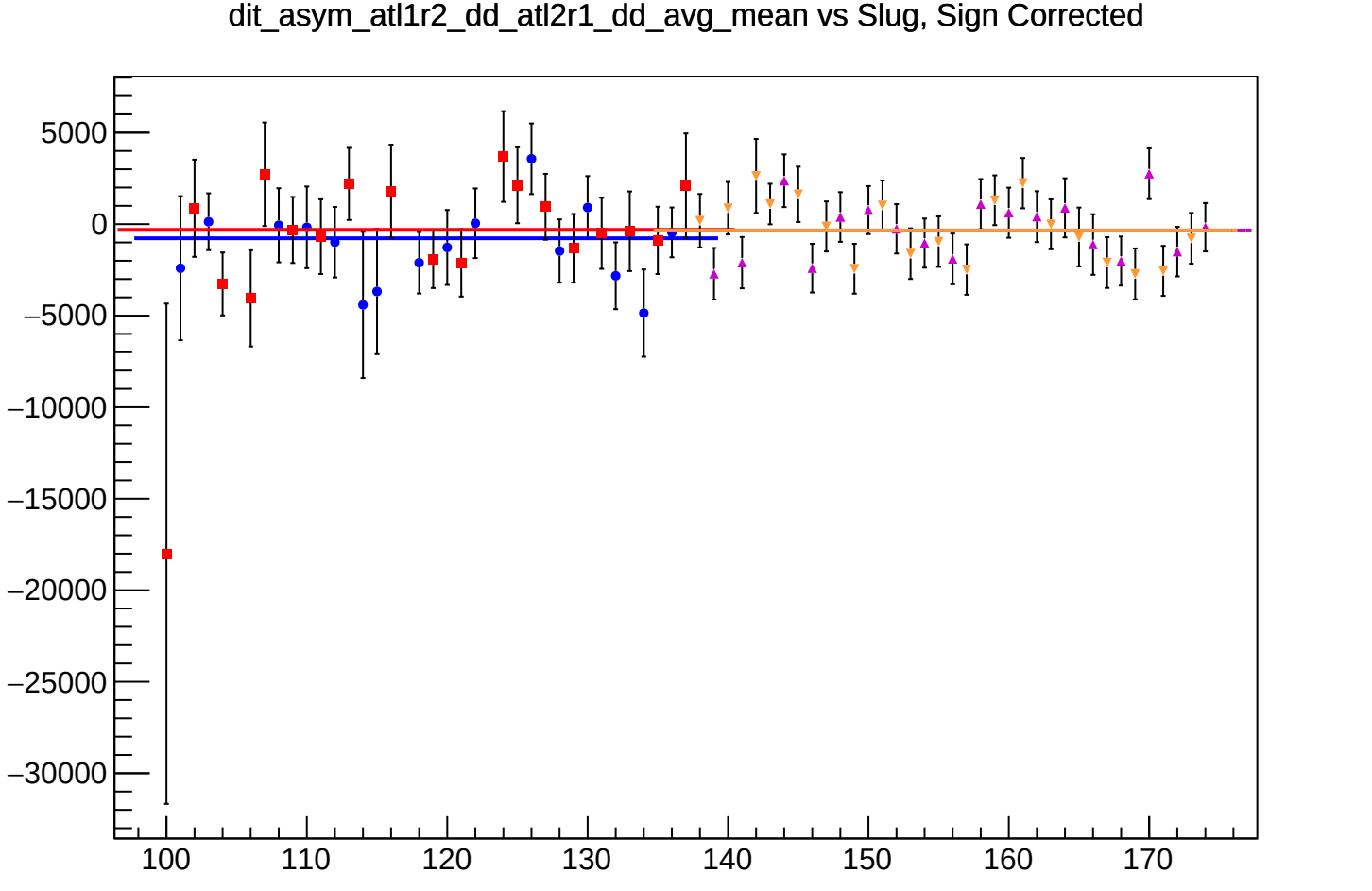
Left: 278.697+/-0.038 χ^2/NDF: 5435075.7/36

Right: 379.492+/-0.084 χ^2/NDF: 8253896.4/34

In: 294.536+/-0.049 χ^2/NDF:6933956.8/33

Out: 296.929+/-0.049 χ^2/NDF:7939338.5/37

All: 295.712+/-0.035 χ^2/NDF: 14874486.3/71



Right In: -771.499+/-489.602 χ^2/NDF: 13.6/15

Left Out: -346.383+/-320.500 χ^2/NDF:25.6/18

Right Out: -311.418+/-482.642 χ^2/NDF: 17.9/18

Left In: -347.668+/-327.223 χ^2/NDF:22.9/17

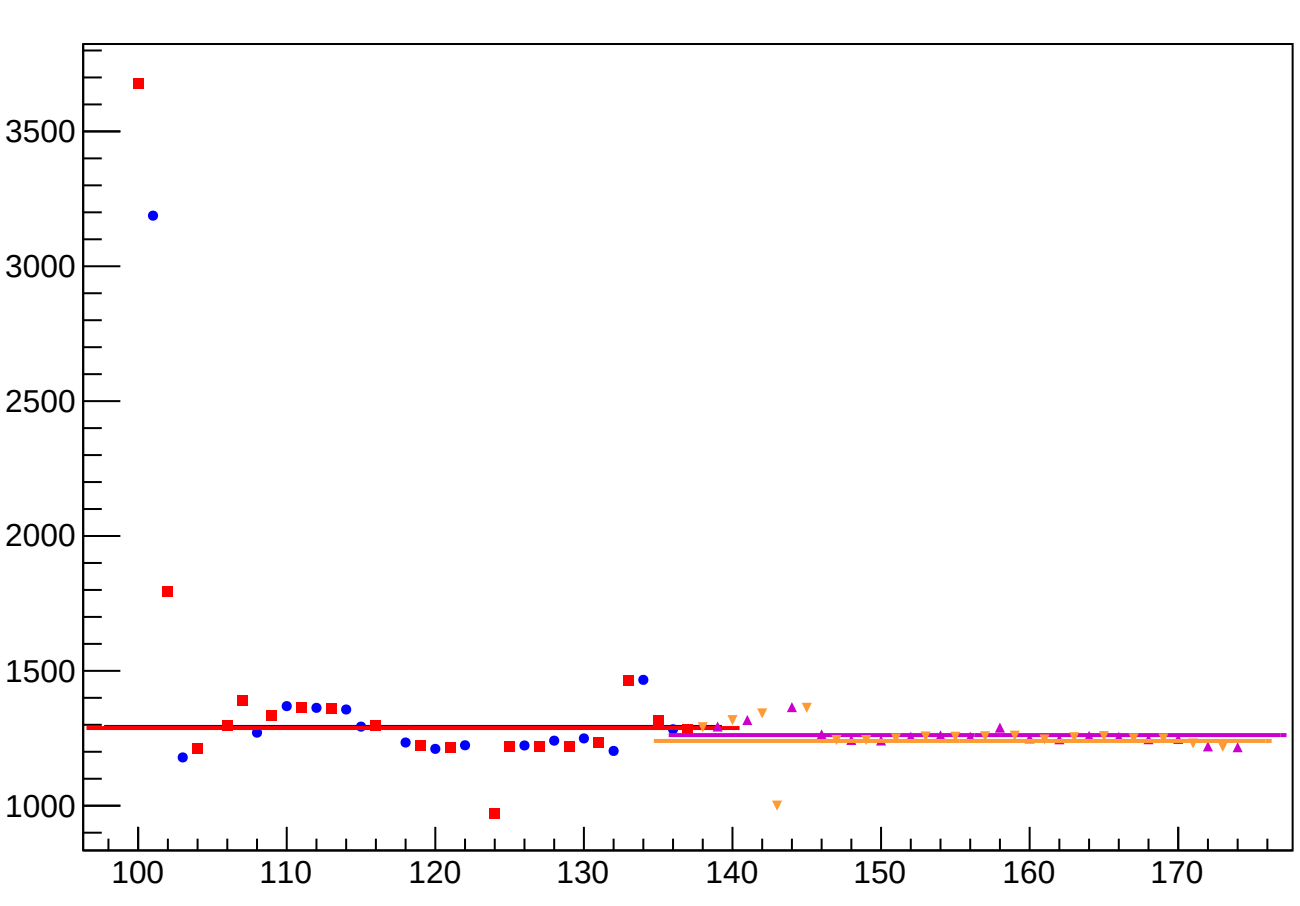
Left: -347.012+/-228.968 χ^2/NDF: 48.5/36

Right: -538.165+/-343.714 χ^2/NDF: 32.0/34

In: -478.532+/-272.055 χ^2/NDF:37.0/33

Out: -335.683+/-266.994 χ^2/NDF:43.6/37

All: -405.766+/-190.557 χ^2/NDF: 80.7/71



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.3/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.8/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209208.8/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.4/17

Left: 1250.786+/-0.162 χ^2/NDF: 148903.8/36

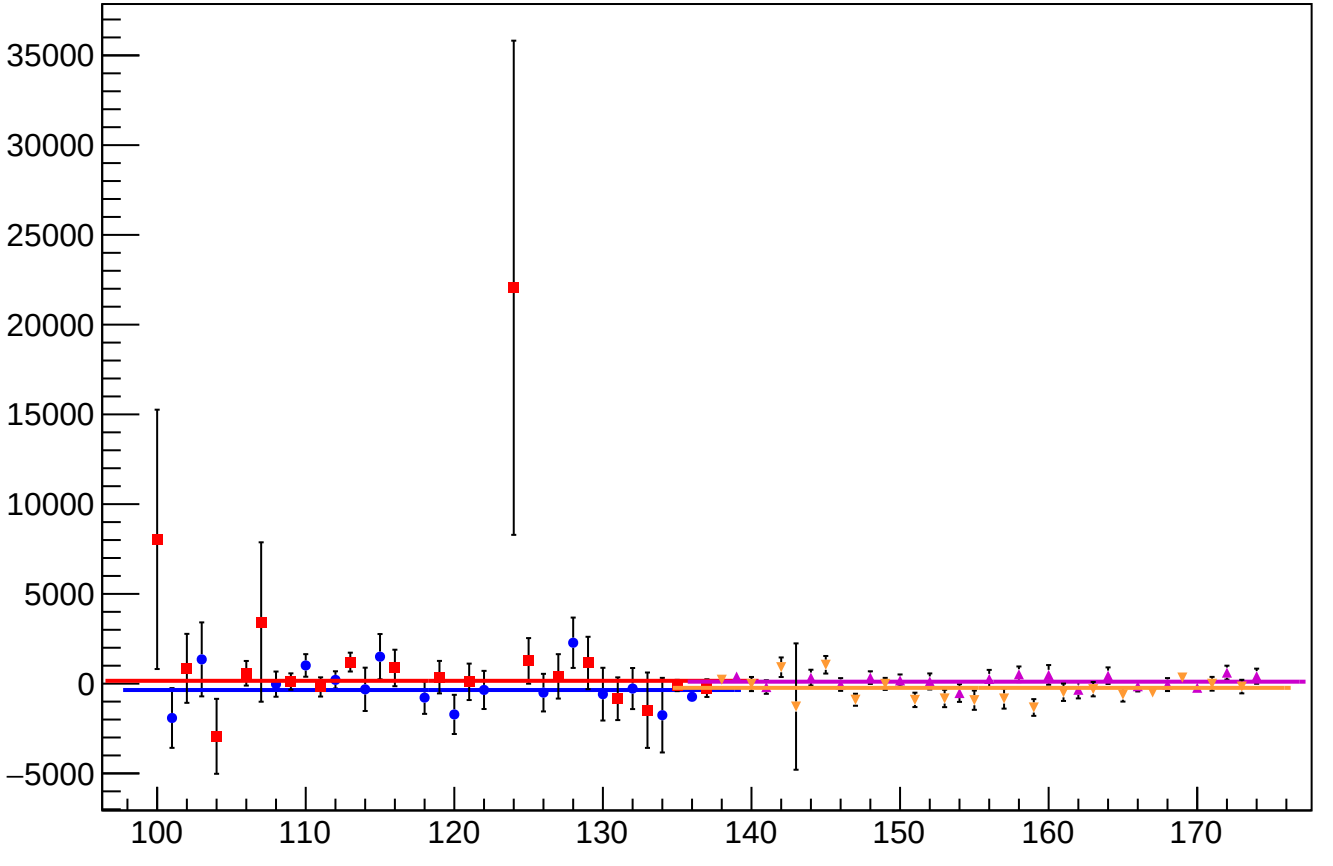
Right: 1289.984+/-0.243 χ^2/NDF: 718684.5/34

In: 1271.197+/-0.192 χ^2/NDF:536095.5/33

Out: 1254.781+/-0.189 χ^2/NDF:345799.5/37

All: 1262.835+/-0.135 χ^2/NDF: 885604.2/71

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.971 χ^2/NDF: 18.4/15

Left Out: -234.611+/-88.044 χ^2/NDF:38.9/18

Right Out: 157.924+/-169.665 χ^2/NDF: 15.8/18

Left In: 109.070+/-87.398 χ^2/NDF:12.4/17

Left: -61.504+/-62.027 χ^2/NDF: 59.0/36

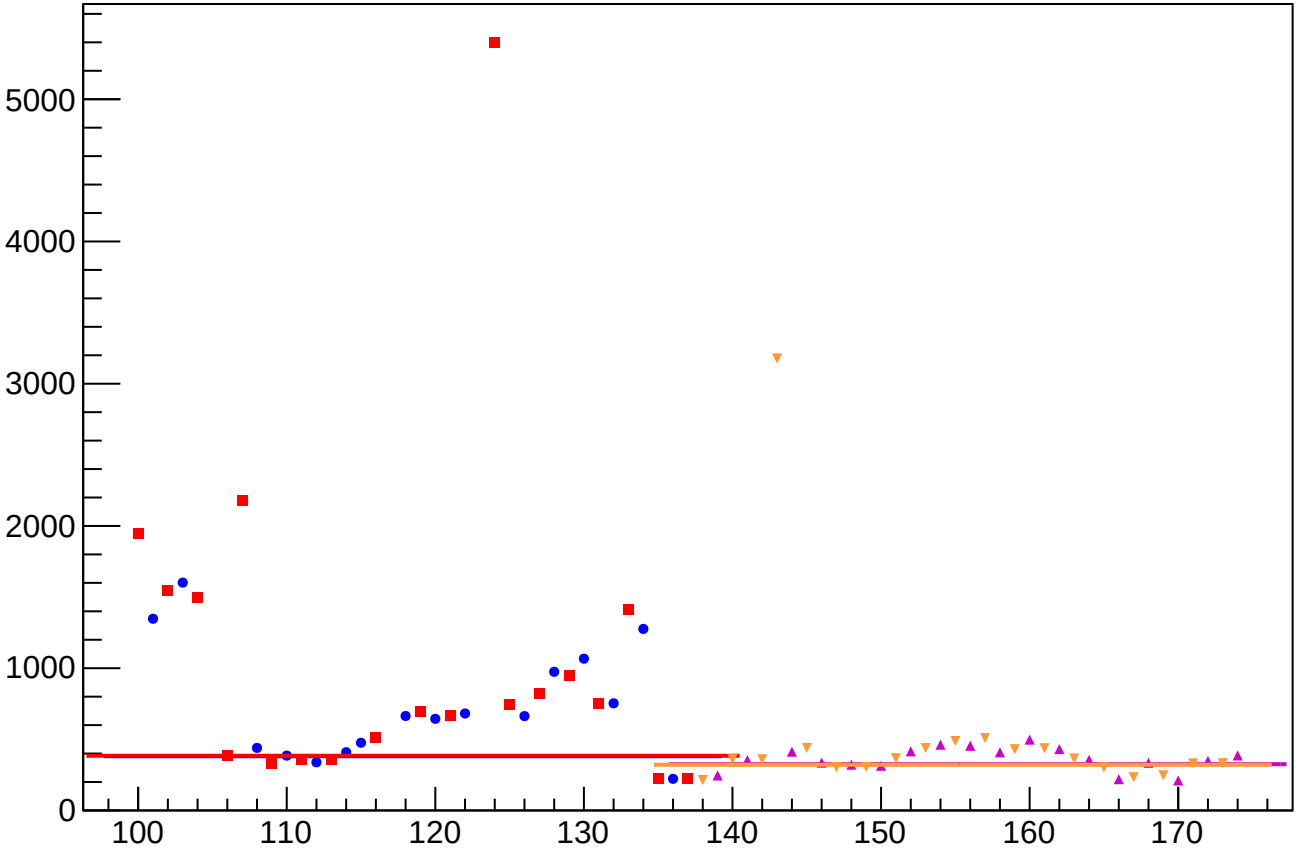
Right: -98.189+/-120.079 χ^2/NDF: 38.8/34

In: 11.982+/-77.725 χ^2/NDF:36.7/33

Out: -151.332+/-78.149 χ^2/NDF:59.0/37

All: -69.231+/-55.109 χ^2/NDF: 97.9/71

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: 321.261+/-0.062 χ^2/NDF:3046274.4/18

Right Out: 384.651+/-0.120 χ^2/NDF: 4560208.6/18

Left In: 325.253+/-0.062 χ^2/NDF:1793354.0/17

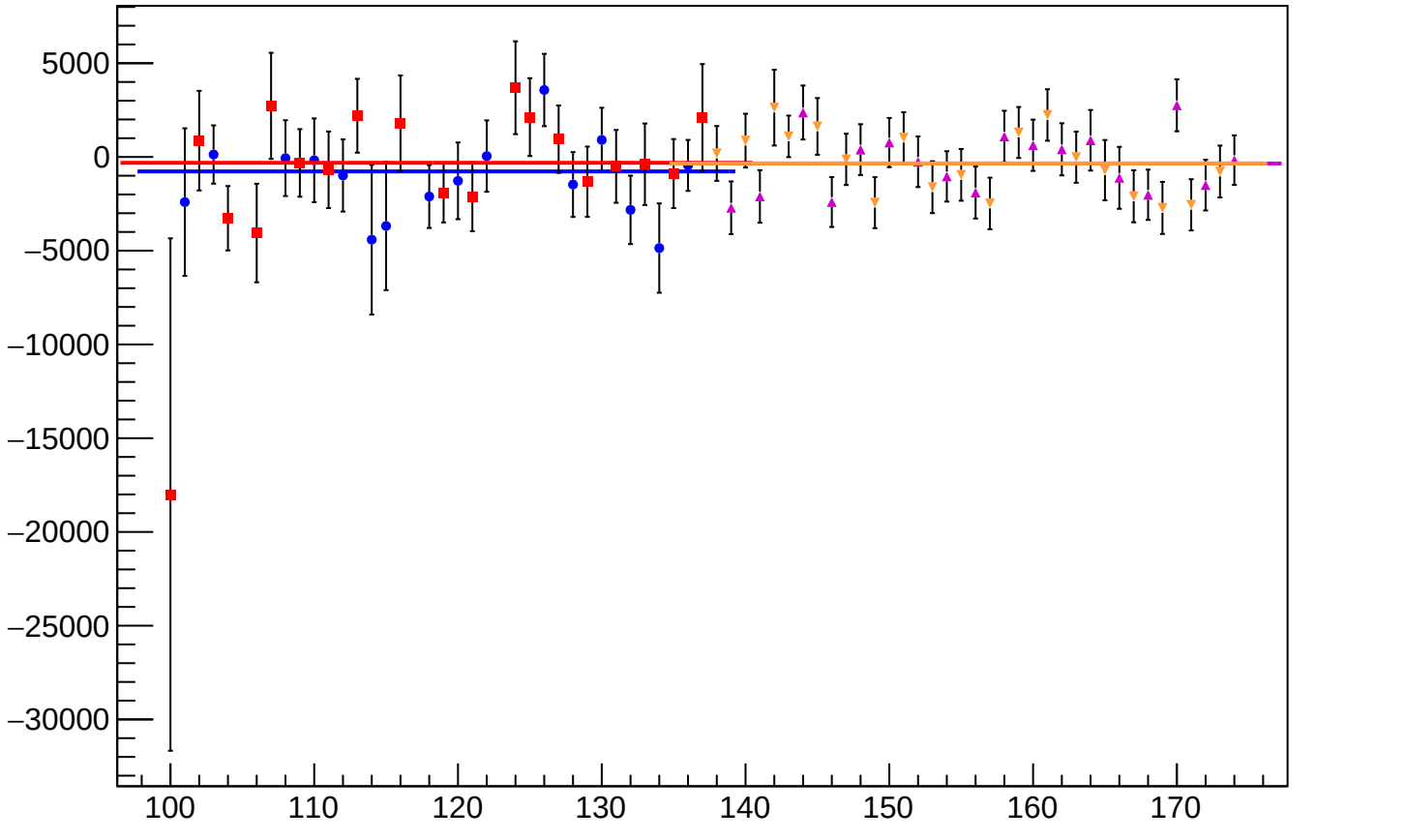
Left: 323.272+/-0.044 χ^2/NDF: 4841699.8/36

Right: 383.003+/-0.085 χ^2/NDF: 8878509.2/34

In: 336.984+/-0.055 χ^2/NDF:6283565.6/33

Out: 334.710+/-0.055 χ^2/NDF:7826432.6/37

All: 335.853+/-0.039 χ^2/NDF: 14110849.4/71



Right In: -771.501+/-489.602 χ^2/NDF: 13.6/15

Left Out: -346.382+/-320.500 χ^2/NDF:25.6/18

Right Out: -311.419+/-482.642 χ^2/NDF: 17.9/18

Left In: -347.668+/-327.223 χ^2/NDF:22.9/17

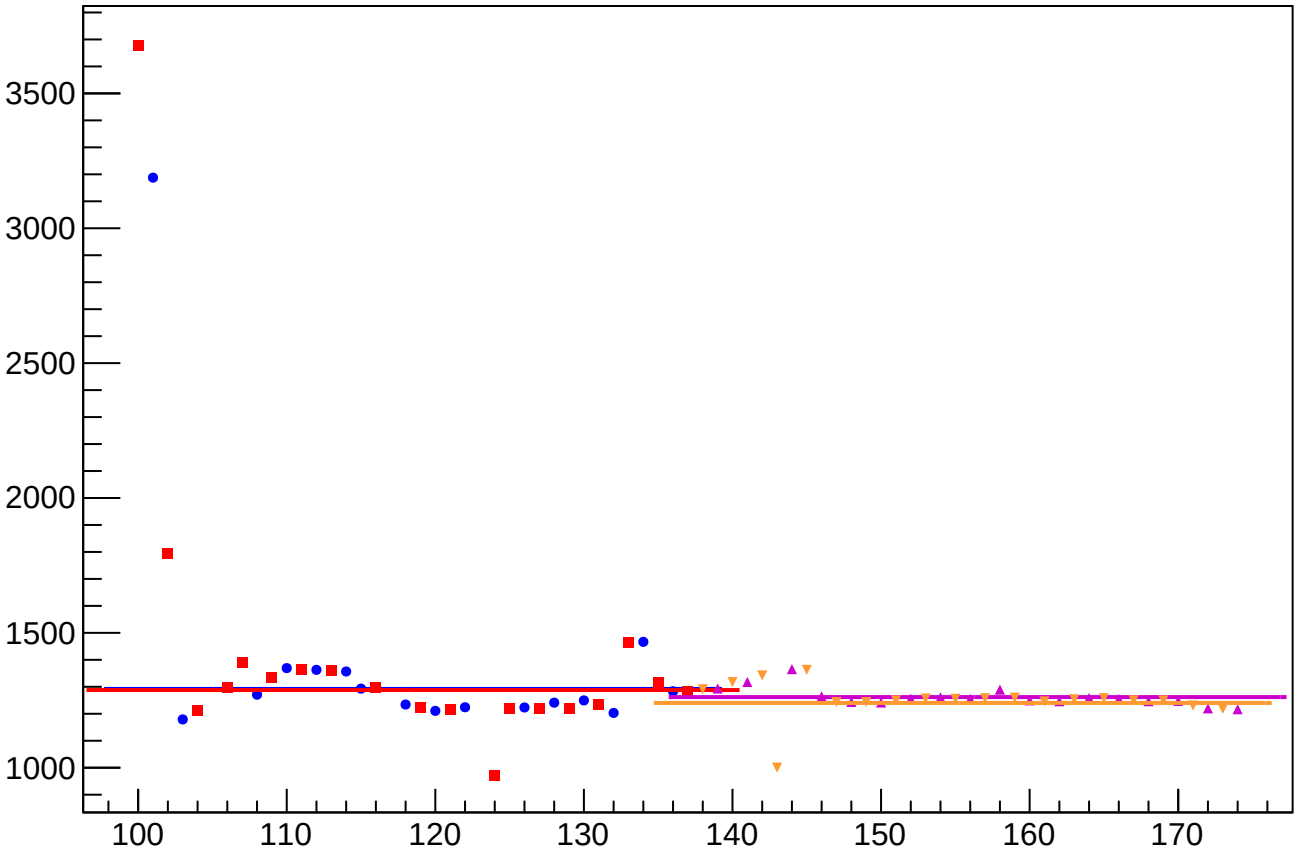
Left: -347.012+/-228.968 χ^2/NDF: 48.5/36

Right: -538.167+/-343.714 χ^2/NDF: 32.0/34

In: -478.533+/-272.055 χ^2/NDF:37.0/33

Out: -335.683+/-266.994 χ^2/NDF:43.6/37

All: -405.767+/-190.557 χ^2/NDF: 80.7/71



Right In: 1292.038+/-0.346 χ^2/NDF: 509406.2/15

Left Out: 1240.137+/-0.227 χ^2/NDF:122947.0/18

Right Out: 1287.988+/-0.341 χ^2/NDF: 209209.1/18

Left In: 1261.887+/-0.231 χ^2/NDF:21446.5/17

Left: 1250.786+/-0.162 χ^2/NDF: 148903.1/36

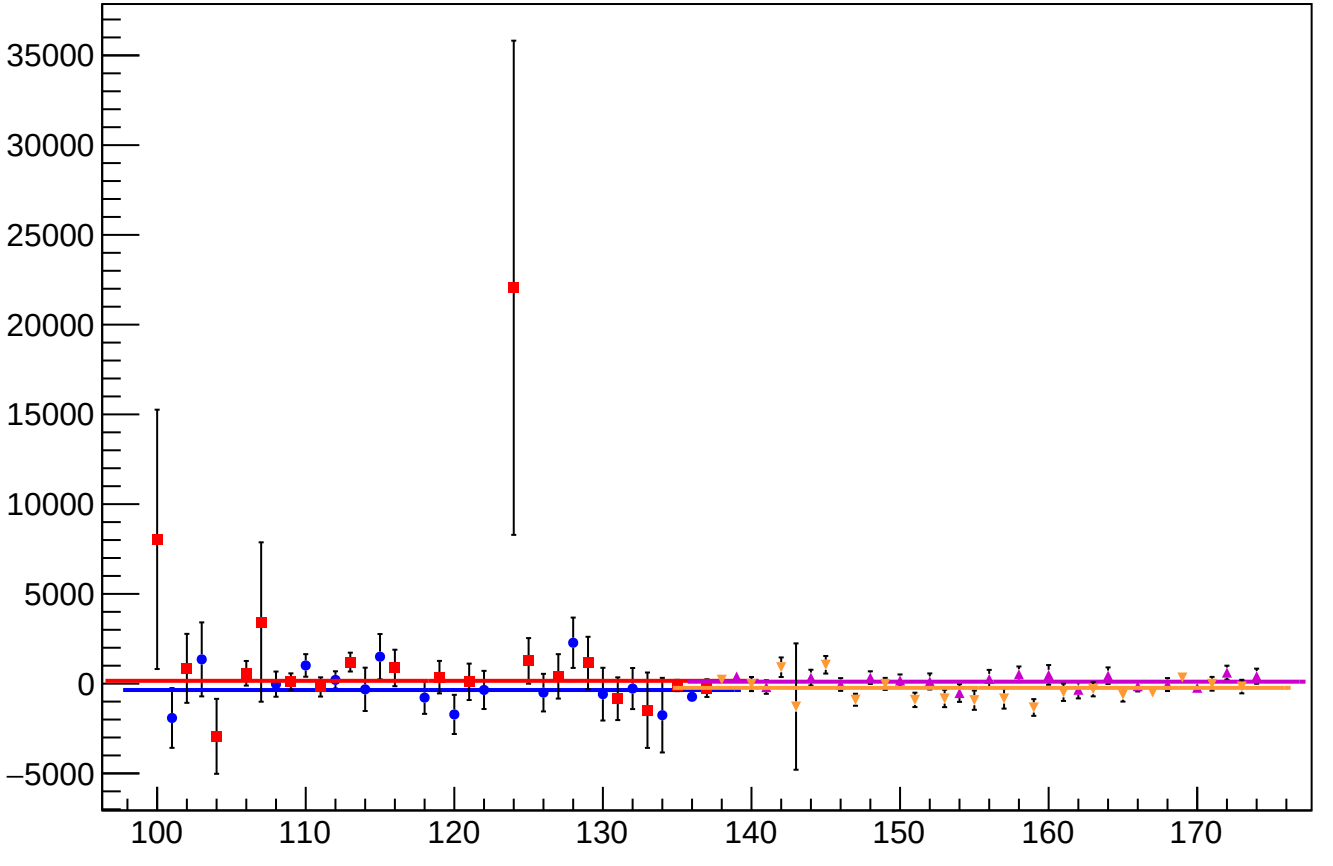
Right: 1289.984+/-0.243 χ^2/NDF: 718684.7/34

In: 1271.197+/-0.192 χ^2/NDF:536095.6/33

Out: 1254.781+/-0.189 χ^2/NDF:345799.0/37

All: 1262.835+/-0.135 χ^2/NDF: 885603.8/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.226+/-169.973 χ^2/NDF: 18.4/15

Left Out: -234.618+/-88.045 χ^2/NDF:38.9/18

Right Out: 157.929+/-169.667 χ^2/NDF: 15.8/18

Left In: 109.068+/-87.398 χ^2/NDF:12.4/17

Left: -61.508+/-62.027 χ^2/NDF: 59.0/36

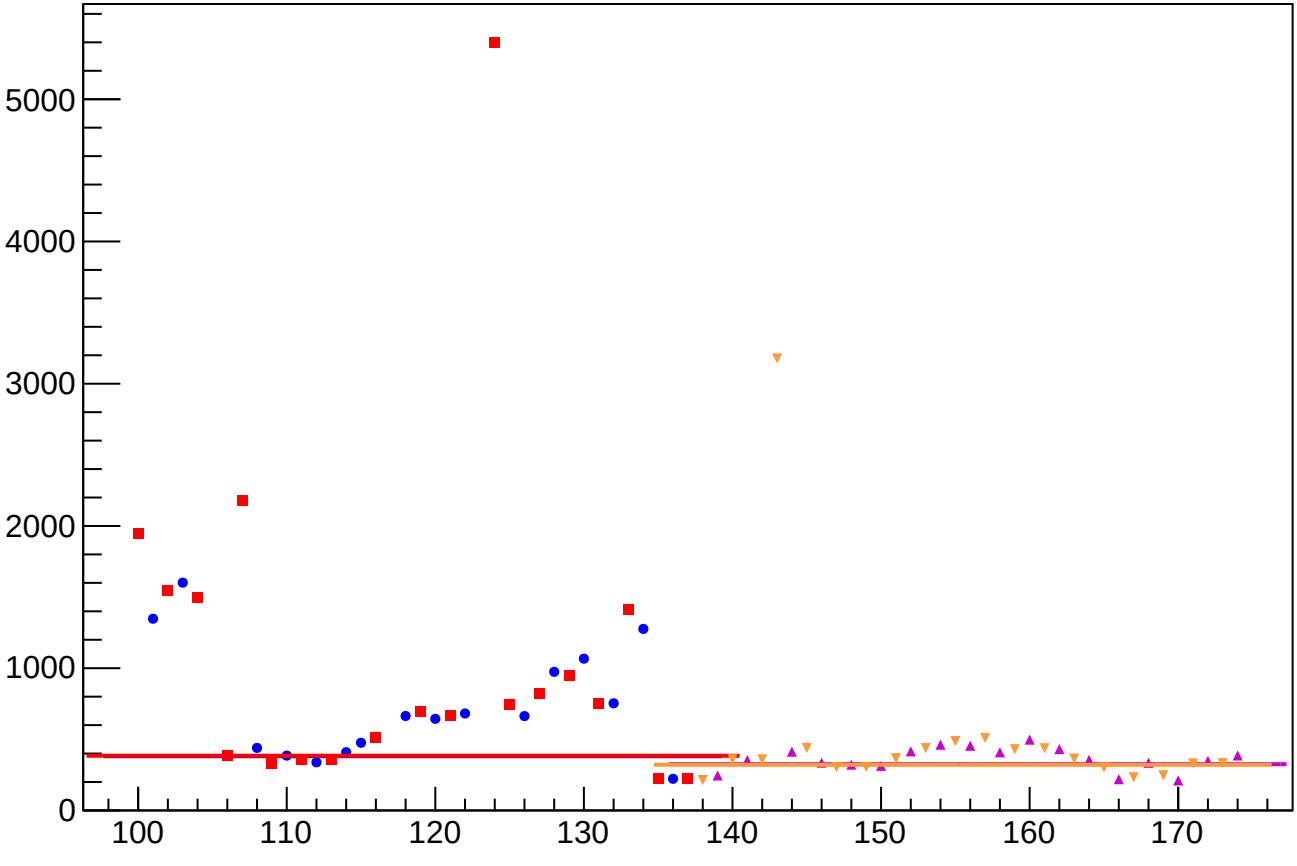
Right: -98.185+/-120.081 χ^2/NDF: 38.8/34

In: 11.983+/-77.725 χ^2/NDF:36.7/33

Out: -151.337+/-78.149 χ^2/NDF:59.0/37

All: -69.233+/-55.109 χ^2/NDF: 97.9/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 381.359+/-0.120 χ^2/NDF: 4317737.3/15

Left Out: 321.264+/-0.062 χ^2/NDF:3046148.3/18

Right Out: 384.658+/-0.120 χ^2/NDF: 4560068.3/18

Left In: 325.255+/-0.062 χ^2/NDF:1793288.1/17

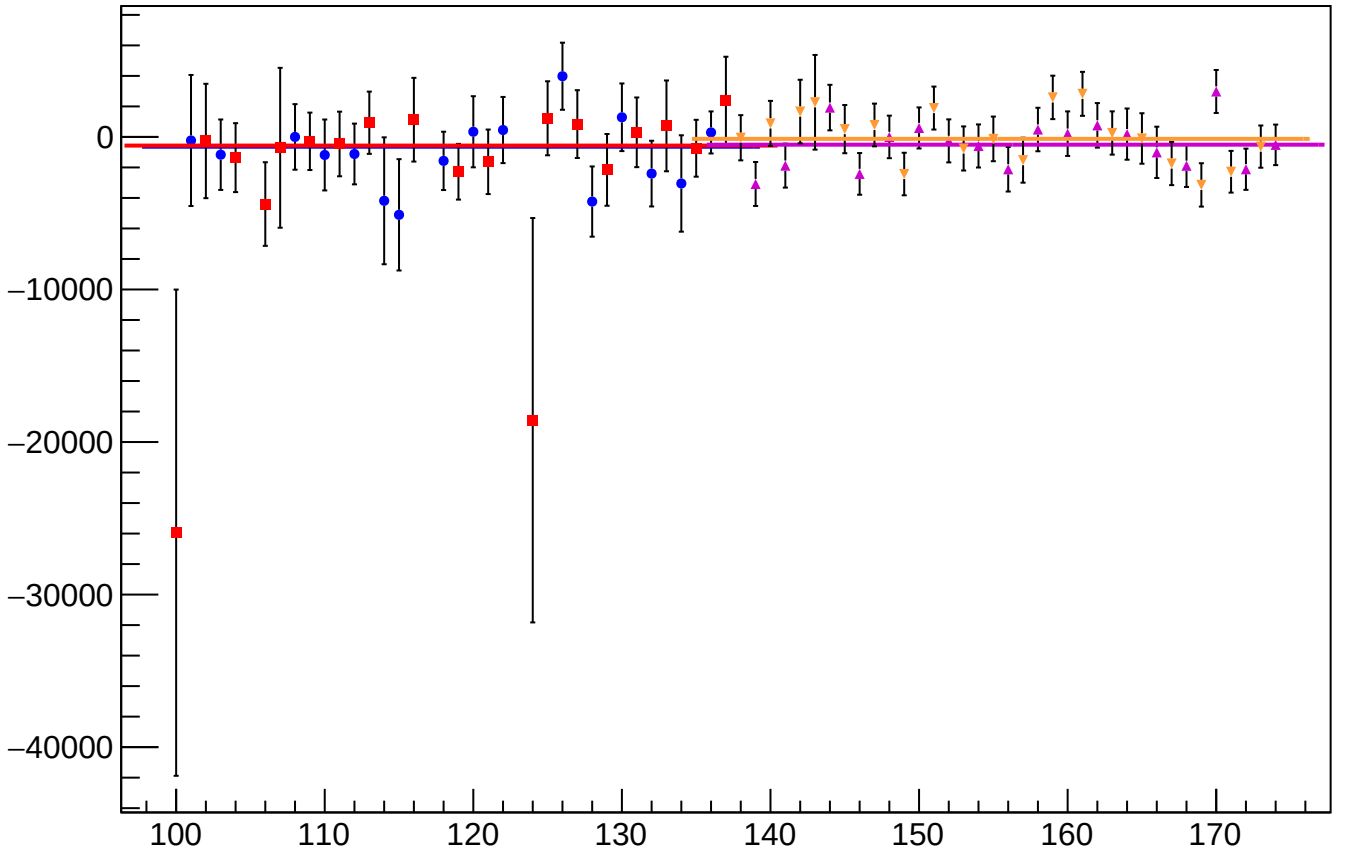
Left: 323.274+/-0.044 χ^2/NDF: 4841506.6/36

Right: 383.012+/-0.085 χ^2/NDF: 8878183.1/34

In: 336.986+/-0.055 χ^2/NDF:6283363.0/33

Out: 334.713+/-0.055 χ^2/NDF:7826197.7/37

All: 335.856+/-0.039 χ^2/NDF: 14110411.4/71



Right In: -640.824+/-564.366 χ^2/NDF: 12.5/15

Left Out: -125.697+/-343.650 χ^2/NDF:24.6/18

Right Out: -567.254+/-566.774 χ^2/NDF: 11.3/18

Left In: -507.426+/-337.810 χ^2/NDF:21.1/17

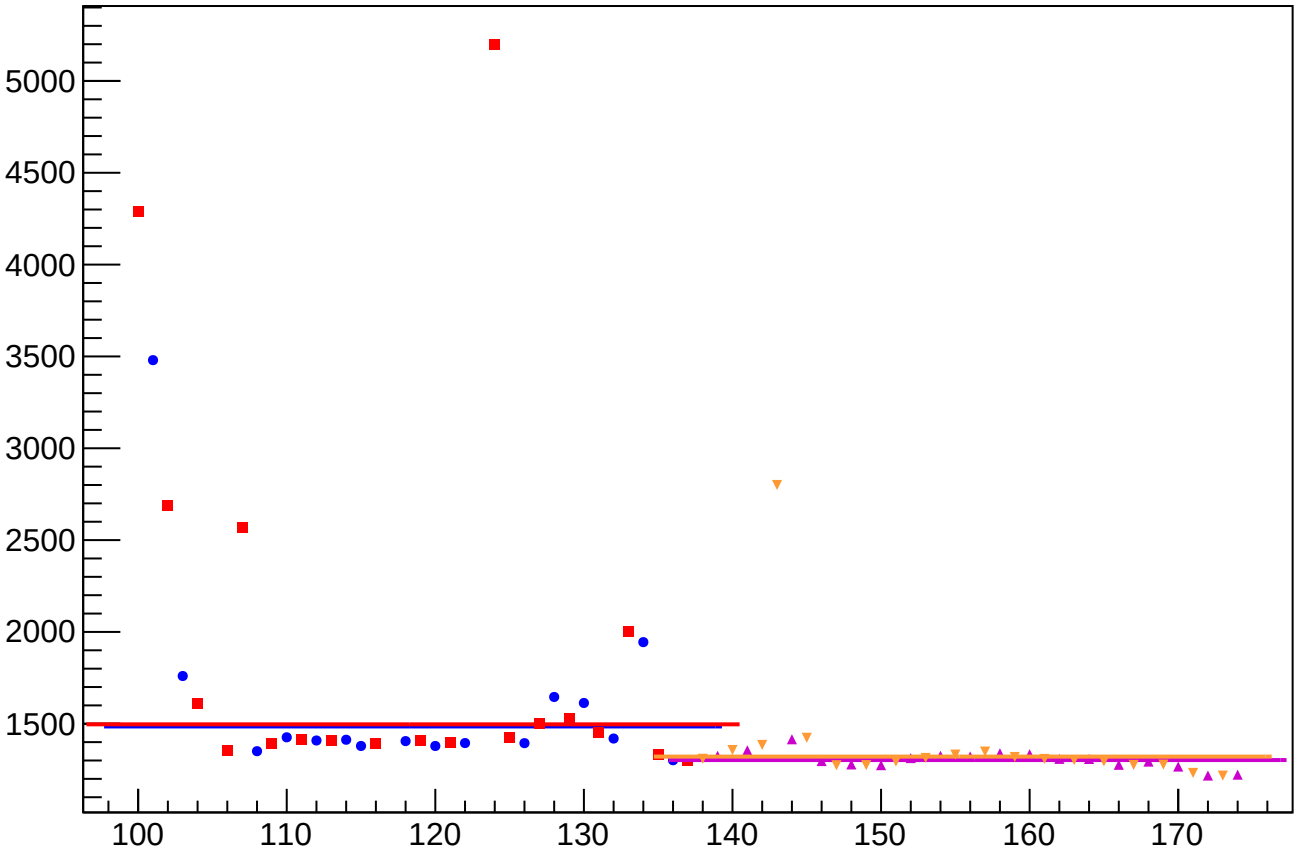
Left: -319.832+/-240.906 χ^2/NDF: 46.3/36

Right: -604.196+/-399.916 χ^2/NDF: 23.8/34

In: -542.613+/-289.853 χ^2/NDF:33.6/33

Out: -244.391+/-293.854 χ^2/NDF:36.4/37

All: -395.546+/-206.357 χ^2/NDF: 70.5/71



Right In: 1485.370+/-0.399 χ^2/NDF: 584470.1/15

Left Out: 1321.317+/-0.243 χ^2/NDF:496388.0/18

Right Out: 1496.865+/-0.401 χ^2/NDF: 623292.7/18

Left In: 1302.358+/-0.239 χ^2/NDF:36321.7/17

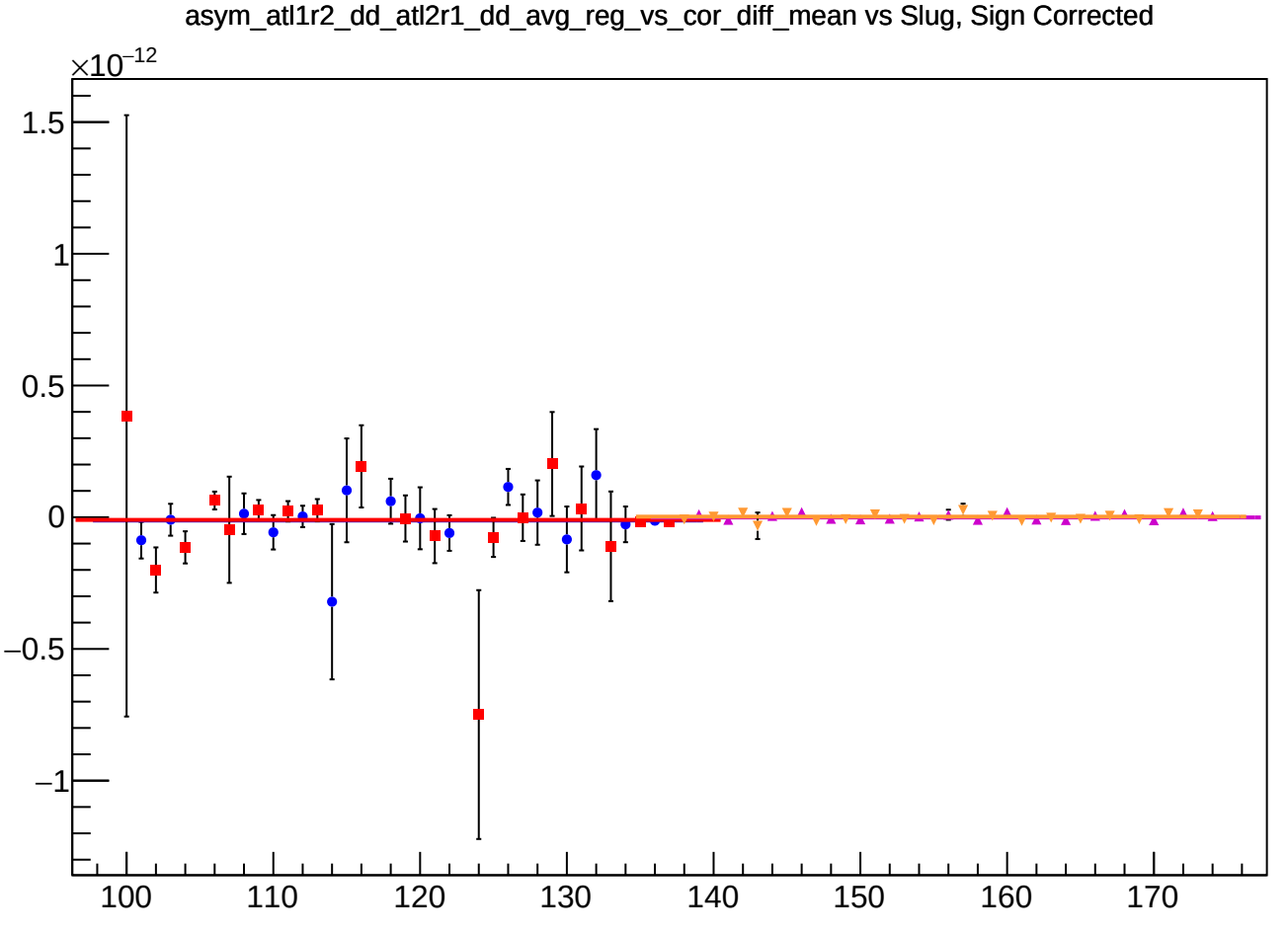
Left: 1311.675+/-0.170 χ^2/NDF: 535805.3/36

Right: 1491.093+/-0.283 χ^2/NDF: 1208175.9/34

In: 1350.632+/-0.205 χ^2/NDF:775630.2/33

Out: 1368.506+/-0.208 χ^2/NDF:1259974.6/37

All: 1359.447+/-0.146 χ^2/NDF: 2039355.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 22.3/18

Left In: -0.000+/-0.000 χ^2/NDF:21.7/17

Left: 0.000+/-0.000 χ^2/NDF: 40.9/36

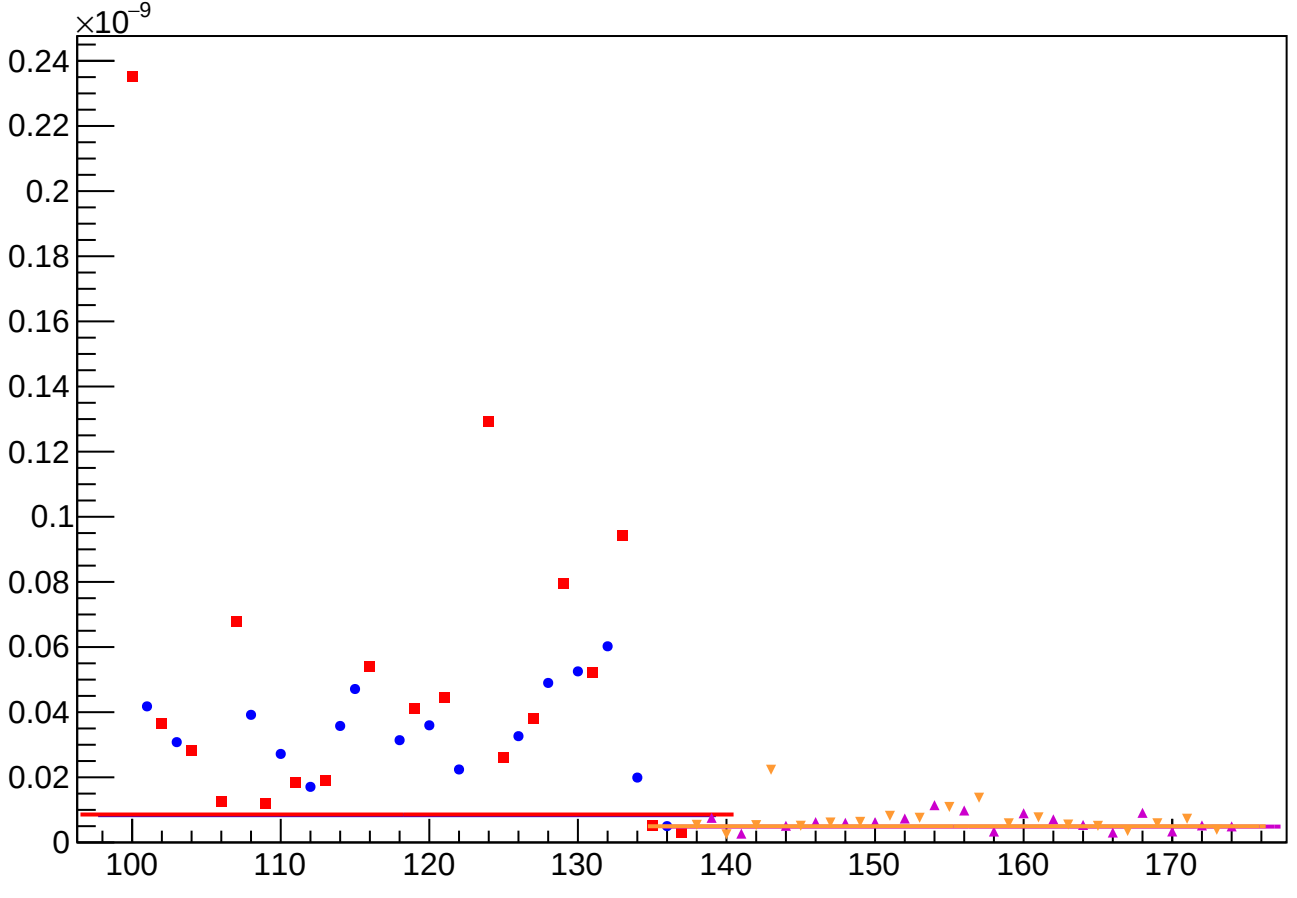
Right: -0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:33.3/33

Out: 0.000+/-0.000 χ^2/NDF:42.7/37

All: -0.000+/-0.000 χ^2/NDF: 77.1/71

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3059657.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1880418.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3348571.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1690564.9/17

Left: 0.000+/-0.000 χ^2/NDF: 3573316.4/36

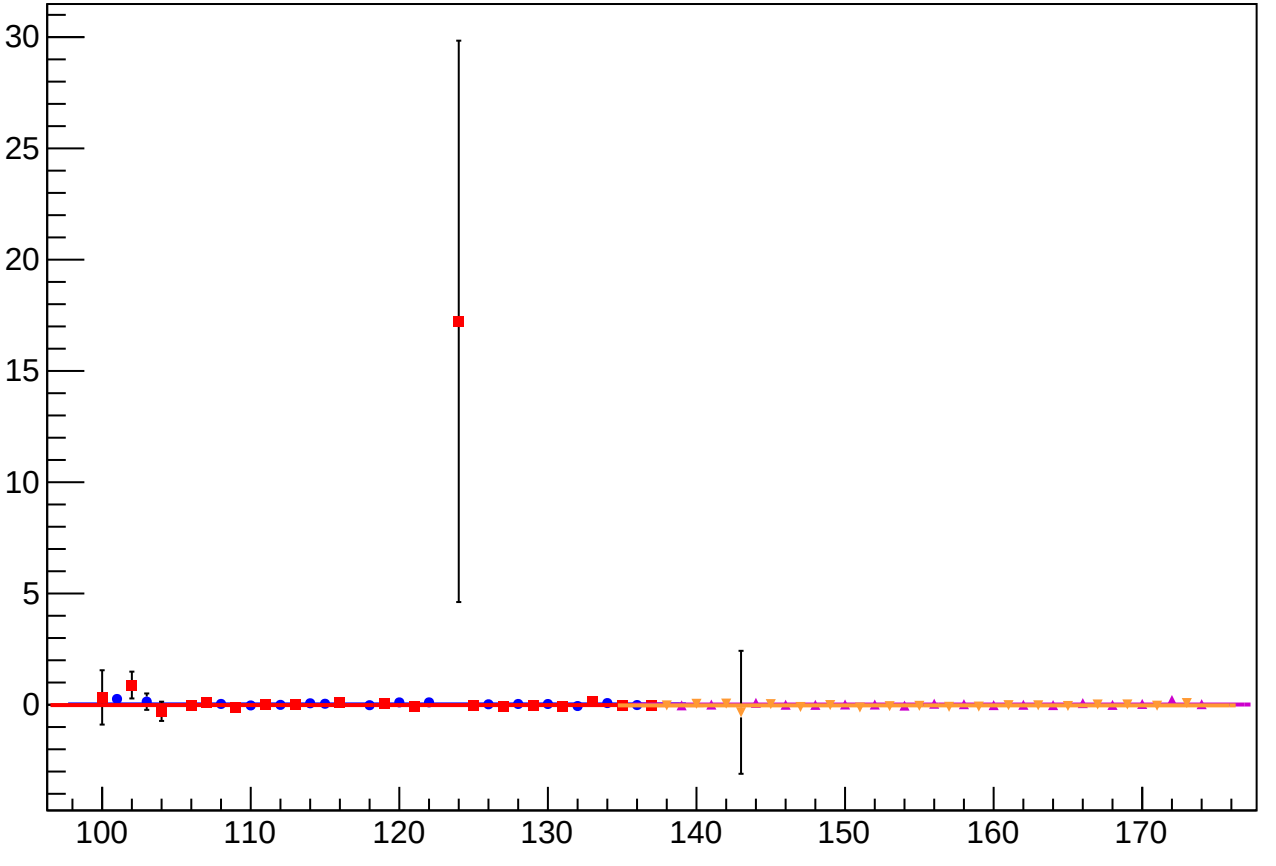
Right: 0.000+/-0.000 χ^2/NDF: 6408892.5/34

In: 0.000+/-0.000 χ^2/NDF:5161149.1/33

Out: 0.000+/-0.000 χ^2/NDF:5605195.1/37

All: 0.000+/-0.000 χ^2/NDF: 10767564.9/71

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

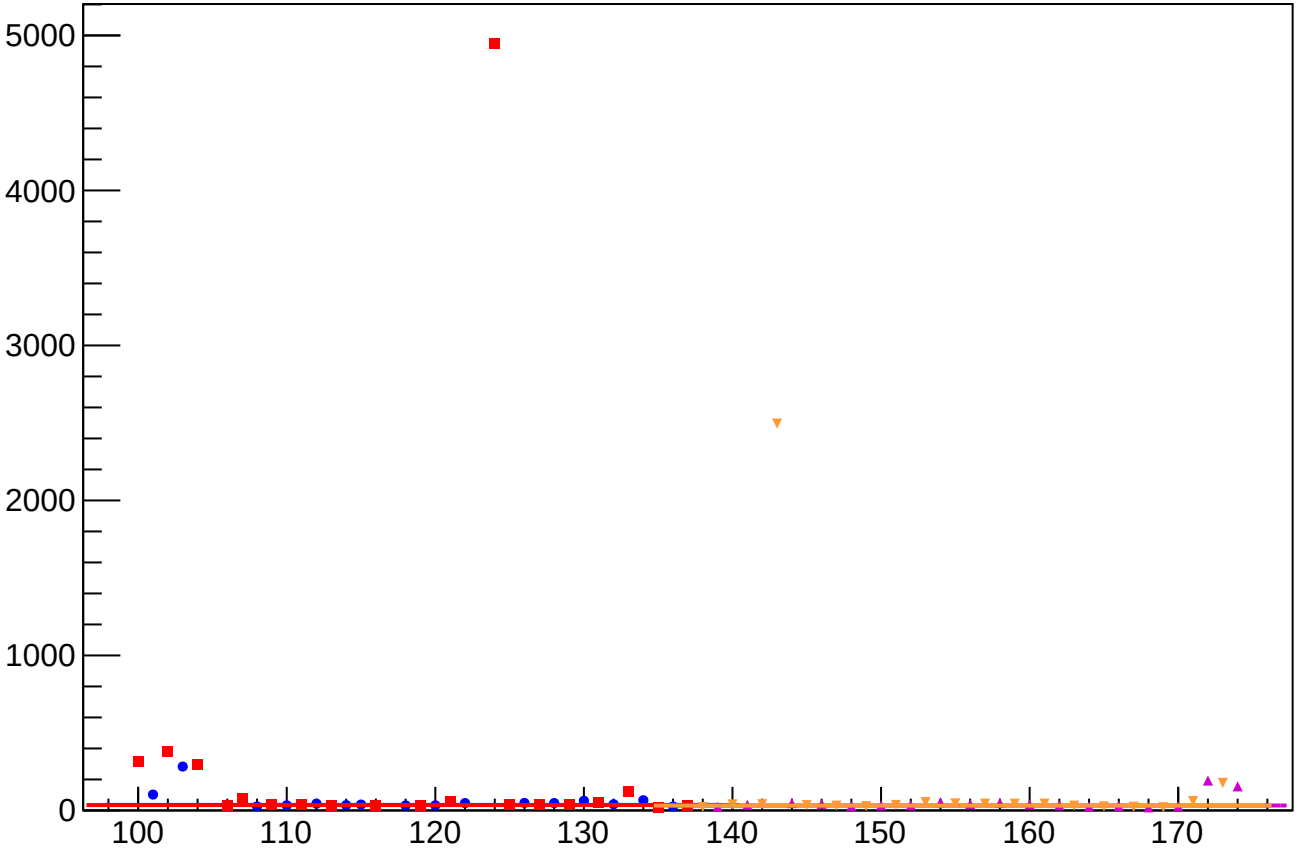
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

Left: 31.601+/-0.005 χ^2/NDF: 8196162.3/36

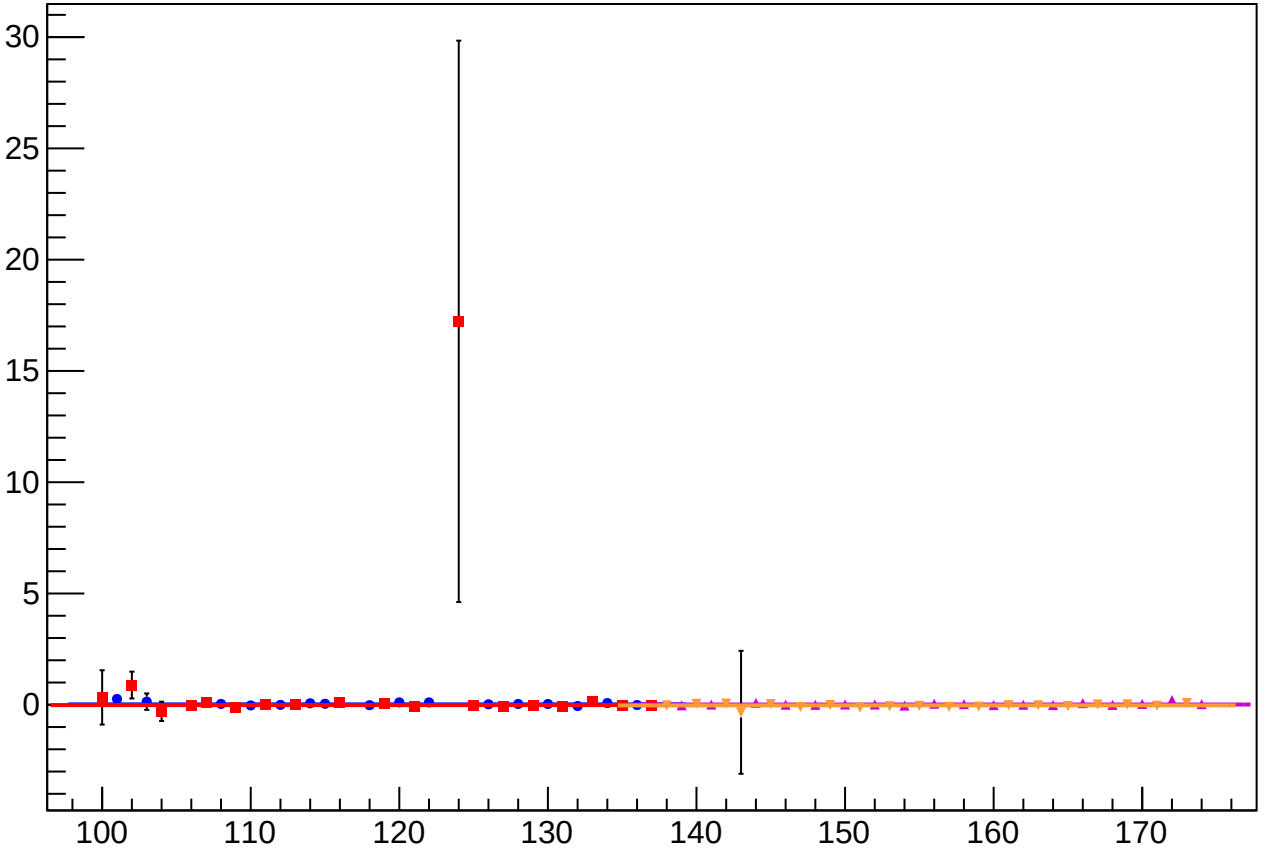
Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

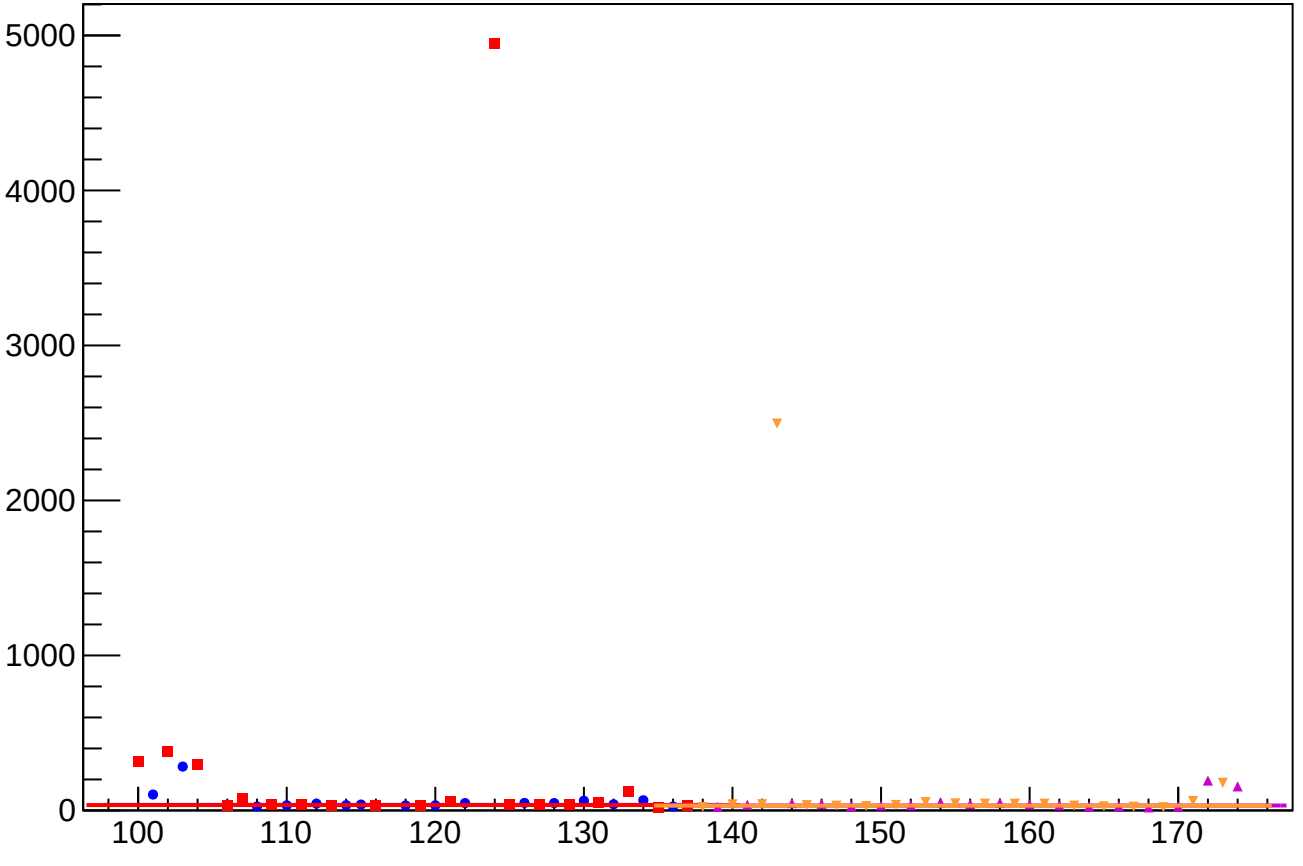
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.742+/-0.011 χ^2/NDF: 2264790.8/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431631.9/18

Right Out: 34.797+/-0.011 χ^2/NDF: 2914137.1/18

Left In: 31.832+/-0.007 χ^2/NDF:3762182.0/17

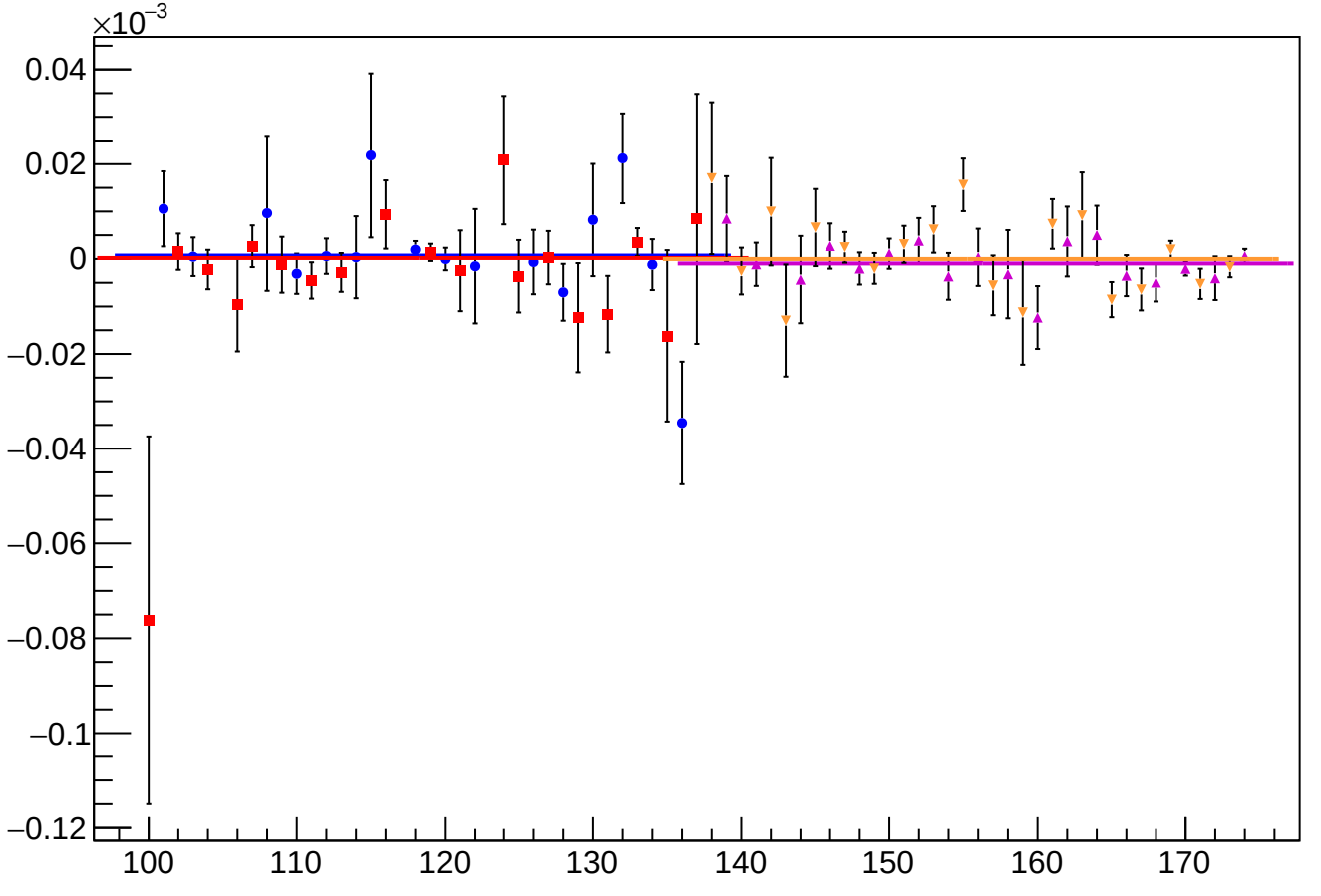
Left: 31.601+/-0.005 χ^2/NDF: 8196162.3/36

Right: 35.274+/-0.008 χ^2/NDF: 5182629.3/34

In: 32.908+/-0.006 χ^2/NDF:6119863.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415868.7/37

All: 32.606+/-0.004 χ^2/NDF: 13541305.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:31.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: -0.000+/-0.000 χ^2/NDF:11.4/17

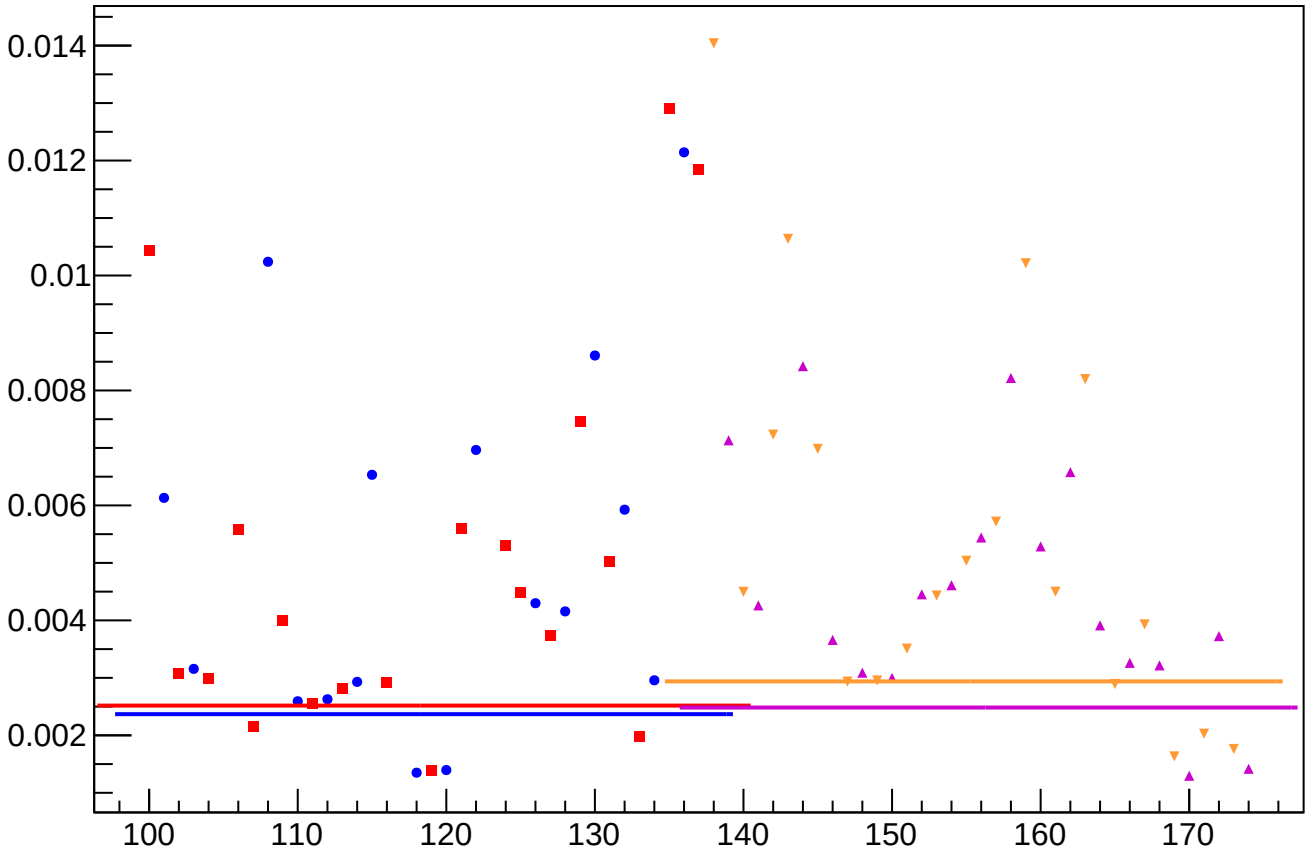
Left: -0.000+/-0.000 χ^2/NDF: 43.9/36

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:31.9/33

Out: 0.000+/-0.000 χ^2/NDF:50.0/37

All: -0.000+/-0.000 χ^2/NDF: 82.1/71



Right In: 0.002+/-0.000 χ^2/NDF: 4721602.1/15

Left Out: 0.003+/-0.000 χ^2/NDF:7277325.9/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3397462.9/18

Left In: 0.002+/-0.000 χ^2/NDF:7542382.4/17

Left: 0.003+/-0.000 χ^2/NDF: 15102765.1/36

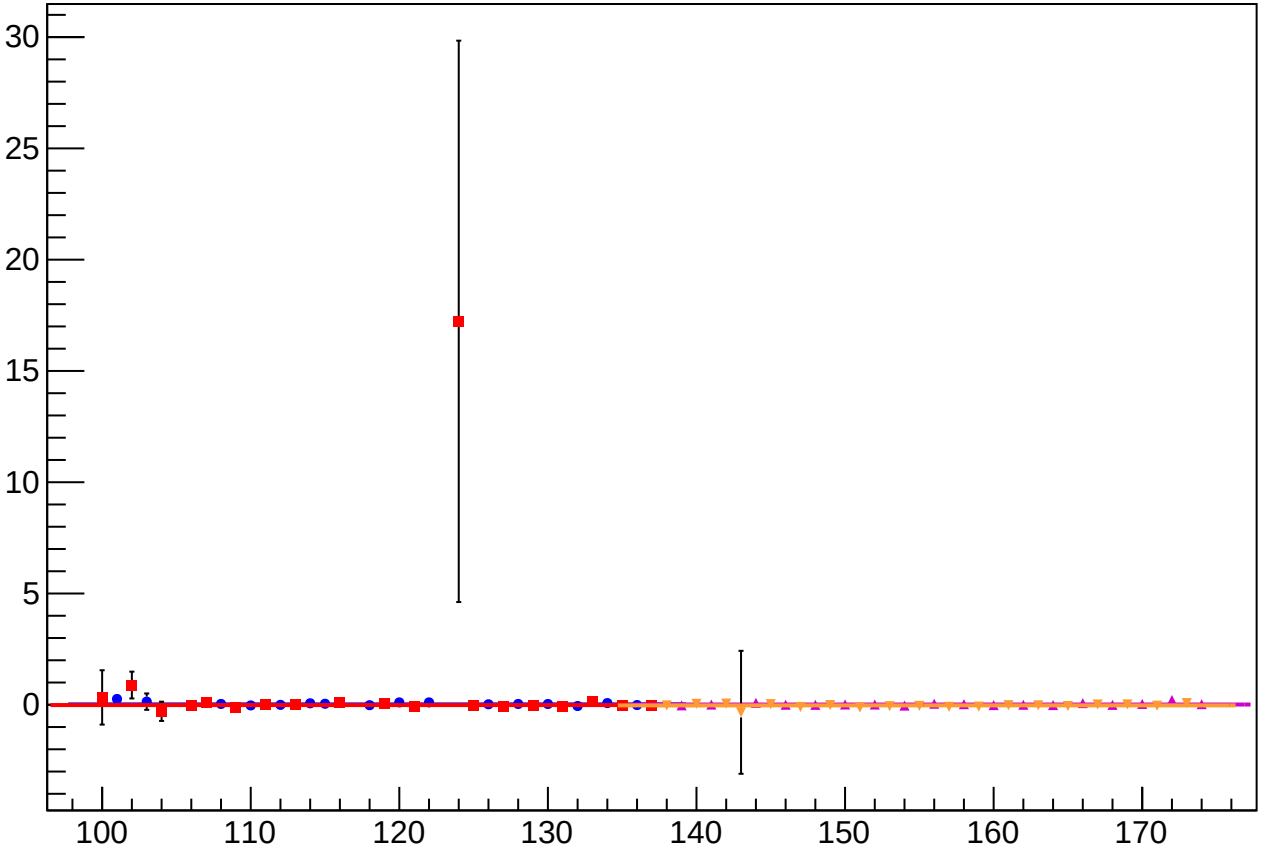
Right: 0.002+/-0.000 χ^2/NDF: 8137943.7/34

In: 0.002+/-0.000 χ^2/NDF:12278271.0/33

Out: 0.003+/-0.000 χ^2/NDF:10856478.5/37

All: 0.003+/-0.000 χ^2/NDF: 23359896.1/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

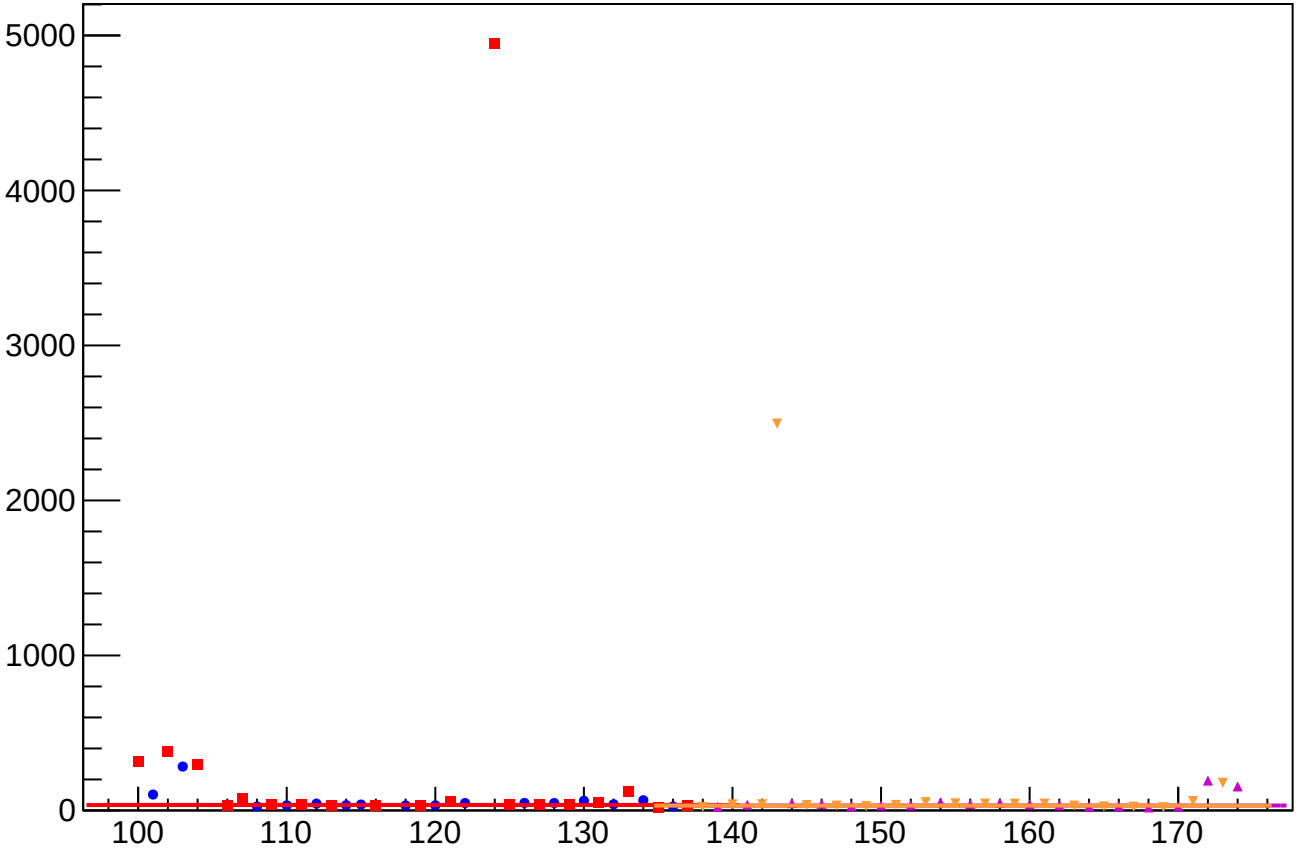
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

Left: 31.601+/-0.005 χ^2/NDF: 8196987.1/36

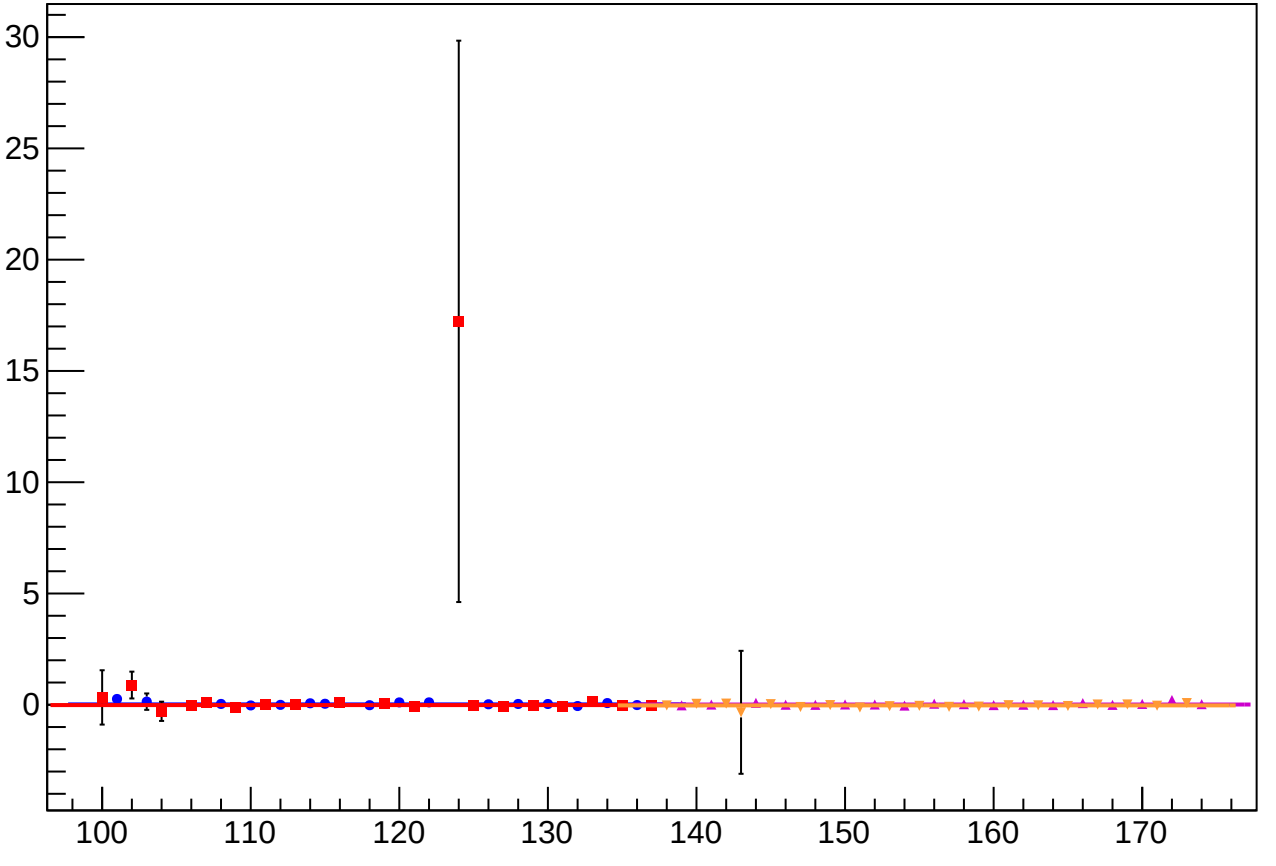
Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.015 χ^2/NDF: 11.5/15

Left Out: -0.027+/-0.010 χ^2/NDF:23.7/18

Right Out: -0.014+/-0.016 χ^2/NDF: 16.0/18

Left In: 0.011+/-0.010 χ^2/NDF:10.7/17

Left: -0.008+/-0.007 χ^2/NDF: 42.5/36

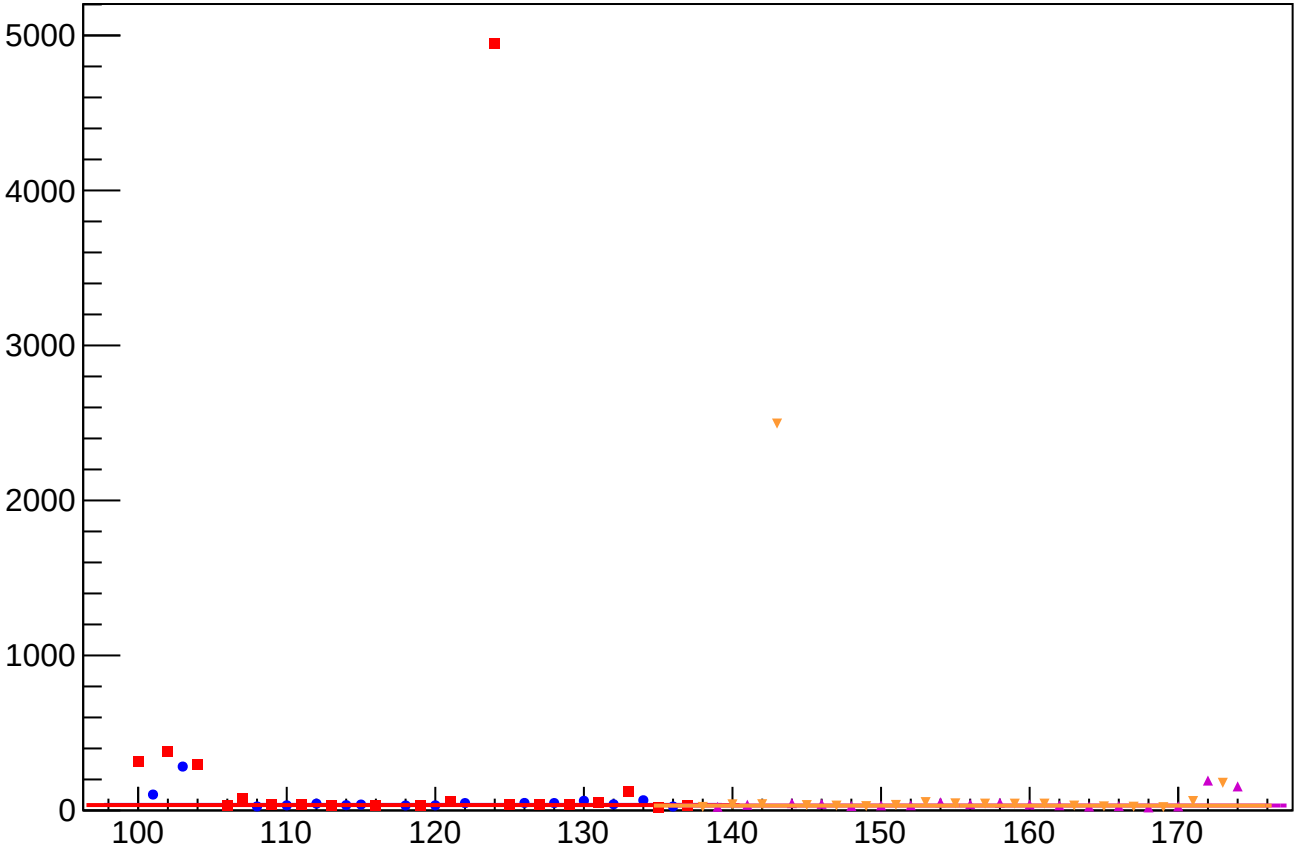
Right: 0.002+/-0.011 χ^2/NDF: 29.4/34

In: 0.013+/-0.008 χ^2/NDF:22.2/33

Out: -0.024+/-0.008 χ^2/NDF:40.3/37

All: -0.005+/-0.006 χ^2/NDF: 72.5/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.743+/-0.011 χ^2/NDF: 2264513.9/15

Left Out: 31.370+/-0.007 χ^2/NDF:4431889.4/18

Right Out: 34.798+/-0.011 χ^2/NDF: 2913962.5/18

Left In: 31.830+/-0.007 χ^2/NDF:3762760.2/17

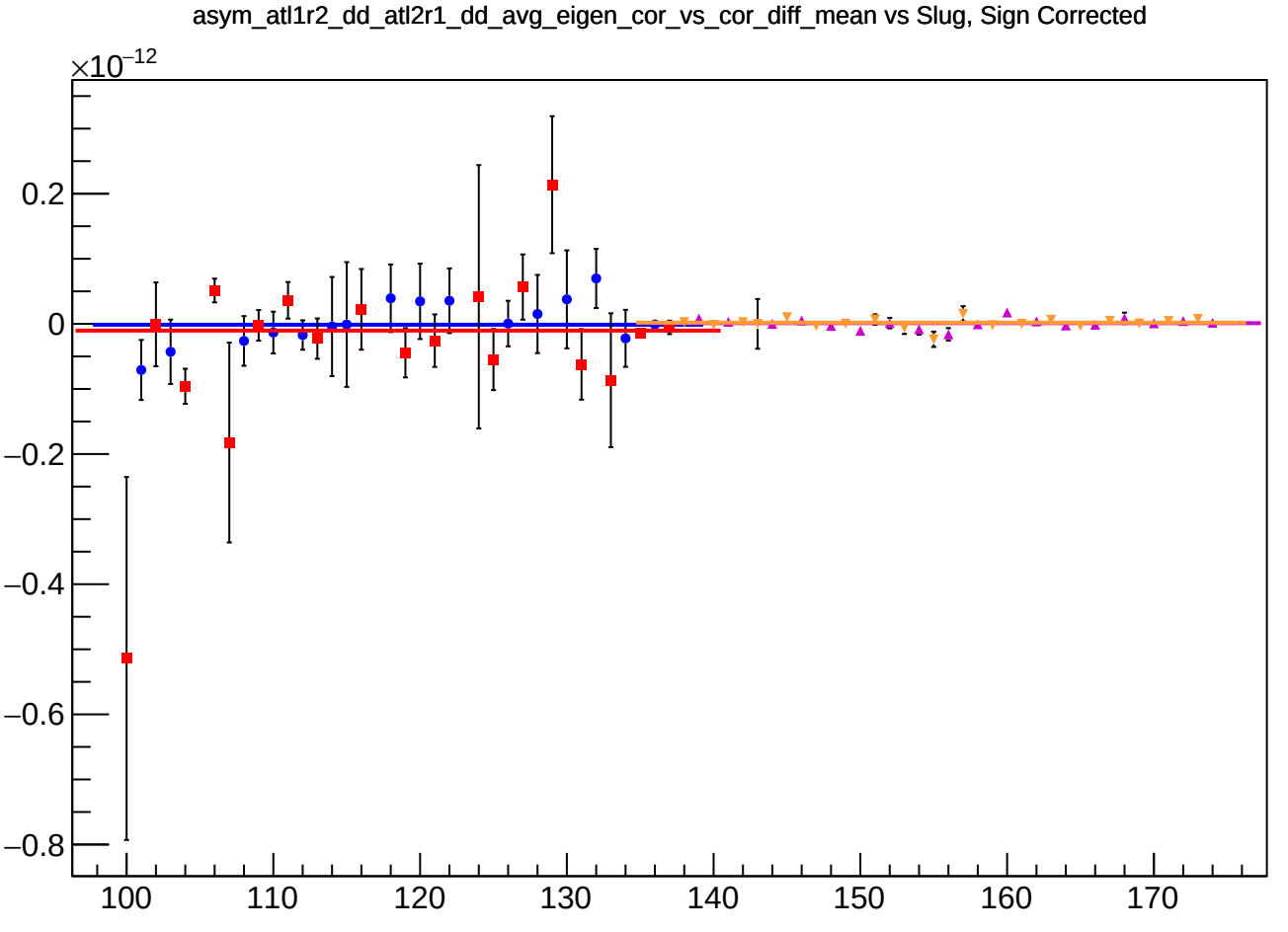
Left: 31.601+/-0.005 χ^2/NDF: 8196987.1/36

Right: 35.276+/-0.008 χ^2/NDF: 5182182.2/34

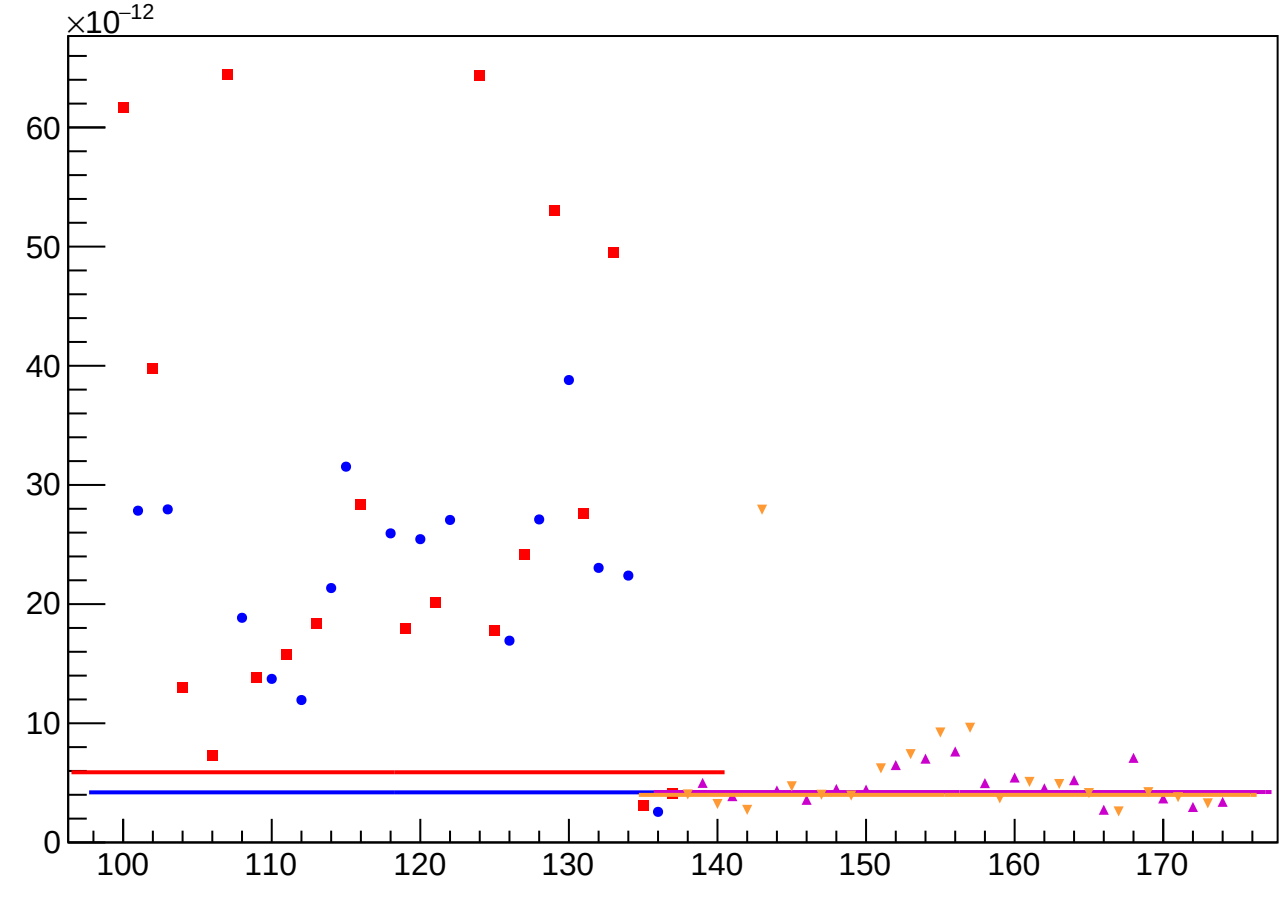
In: 32.907+/-0.006 χ^2/NDF:6120295.4/33

Out: 32.301+/-0.006 χ^2/NDF:7415996.6/37

All: 32.606+/-0.004 χ^2/NDF: 13541853.0/71


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 8.6/15
Left Out: 0.000+/-0.000 χ²/NDF:14.7/18
Right Out: -0.000+/-0.000 χ²/NDF: 39.9/18
Left In: 0.000+/-0.000 χ²/NDF:19.0/17
Left: 0.000+/-0.000 χ²/NDF: 33.9/36
Right: -0.000+/-0.000 χ²/NDF: 51.3/34
In: 0.000+/-0.000 χ²/NDF:28.0/33
Out: 0.000+/-0.000 χ²/NDF:62.3/37
All: 0.000+/-0.000 χ²/NDF: 90.4/71

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5080225.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:2714692.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4860861.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1560233.1/17

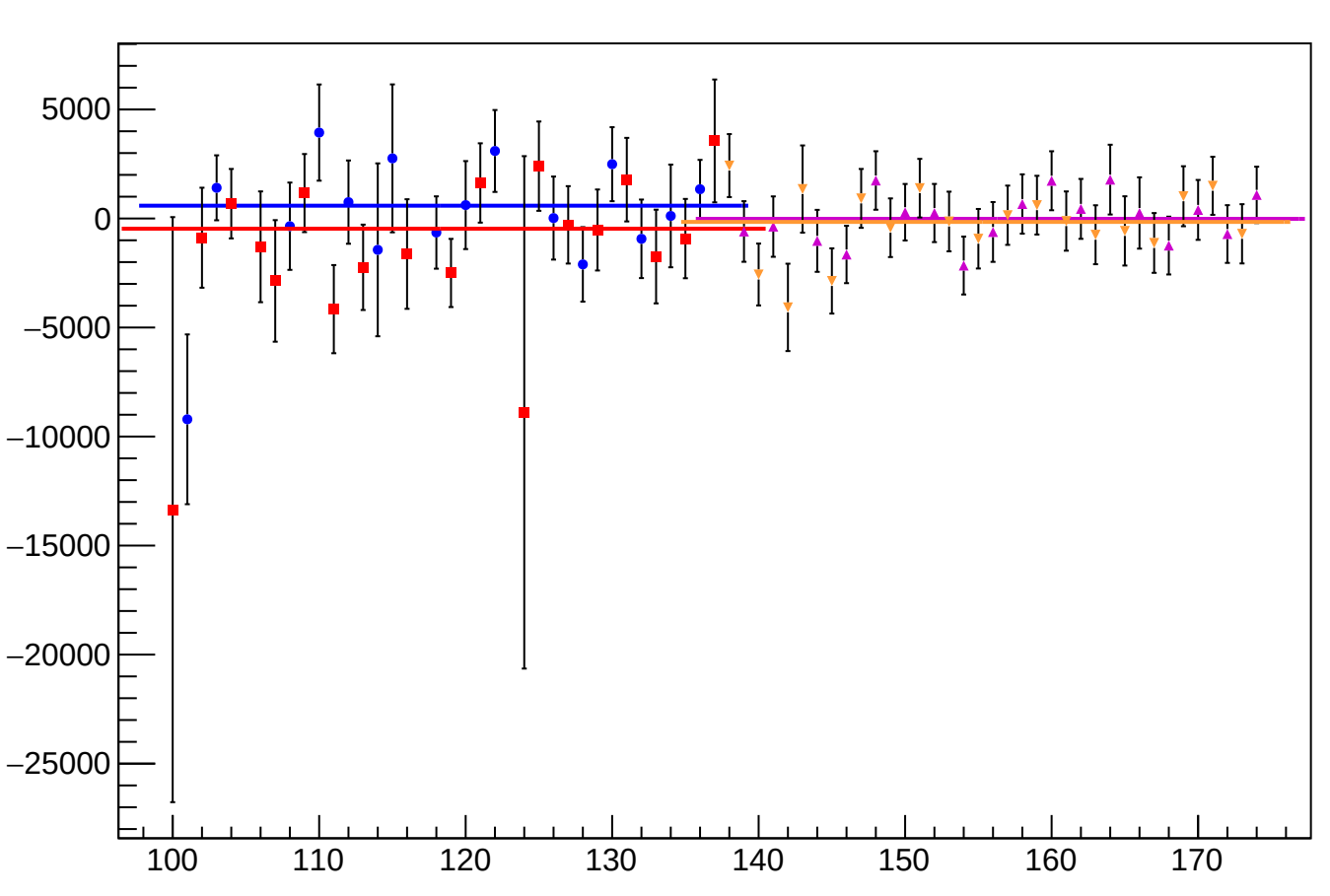
Left: 0.000+/-0.000 χ^2/NDF: 4306320.7/36

Right: 0.000+/-0.000 χ^2/NDF: 10135954.8/34

In: 0.000+/-0.000 χ^2/NDF:6640563.8/33

Out: 0.000+/-0.000 χ^2/NDF:7949925.0/37

All: 0.000+/-0.000 χ^2/NDF: 14592669.0/71



Right In: 586.935+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.008+/-326.275 χ^2/NDF:19.7/18

Right Out: -469.012+/-480.516 χ^2/NDF: 16.9/18

Left In: -17.176+/-323.174 χ^2/NDF:12.2/17

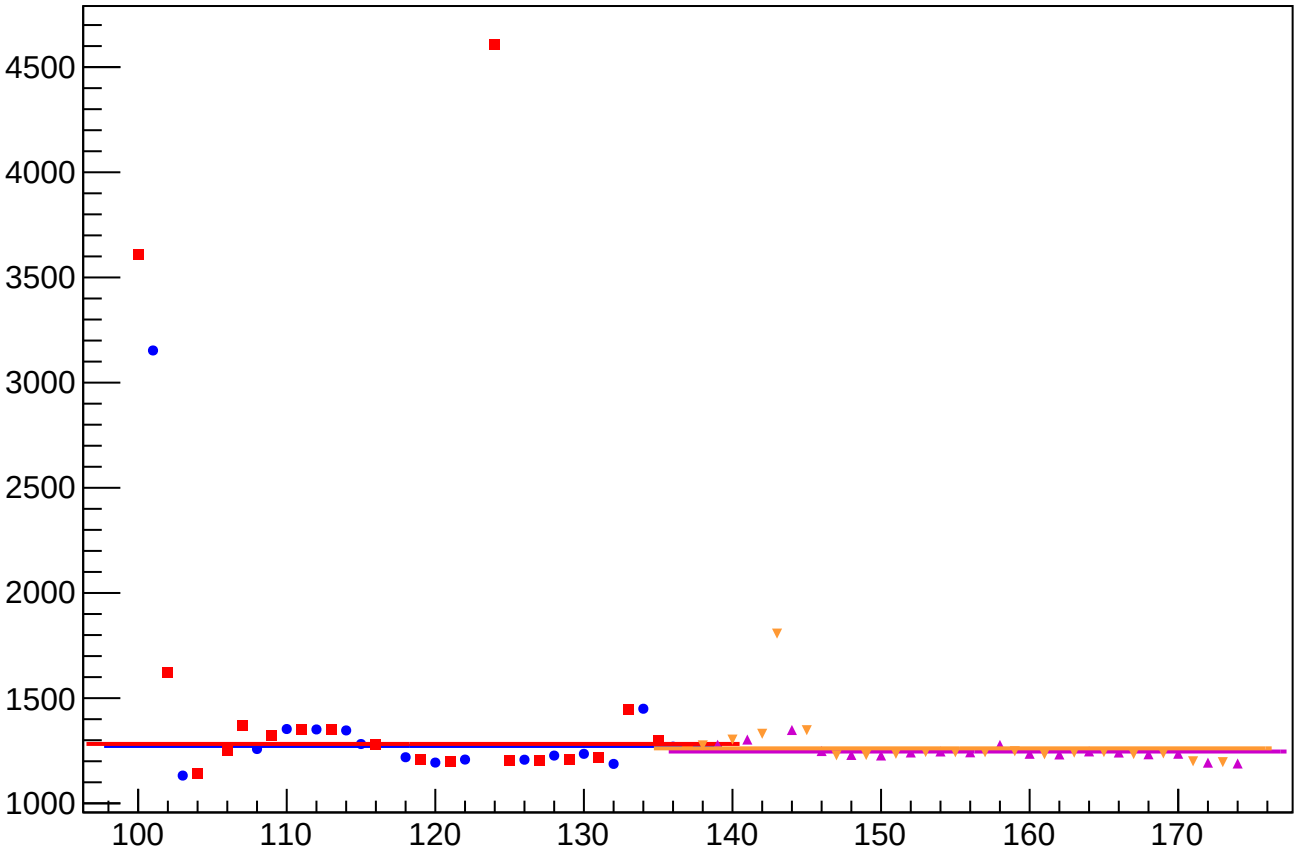
Left: -86.424+/-229.607 χ^2/NDF: 31.9/36

Right: 56.858+/-340.452 χ^2/NDF: 36.3/34

In: 169.945+/-268.498 χ^2/NDF:30.3/33

Out: -255.465+/-269.930 χ^2/NDF:36.8/37

All: -41.629+/-190.361 χ^2/NDF: 68.4/71



Right In: 1272.804+/-0.341 χ^2/NDF: 519298.2/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.1/18

Right Out: 1282.365+/-0.340 χ^2/NDF: 322078.6/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

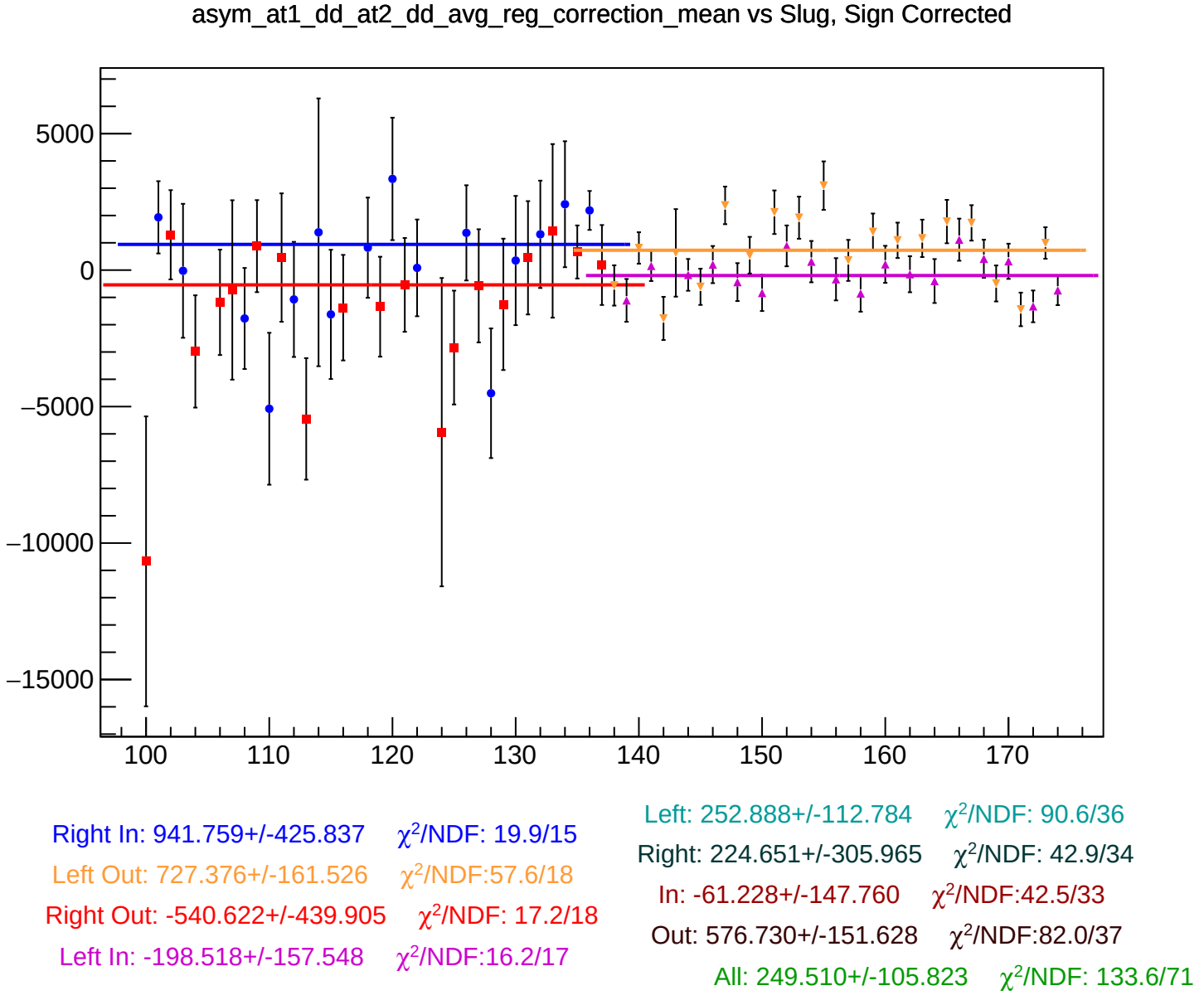
Left: 1253.732+/-0.162 χ^2/NDF: 202618.3/36

Right: 1277.604+/-0.241 χ^2/NDF: 841771.1/34

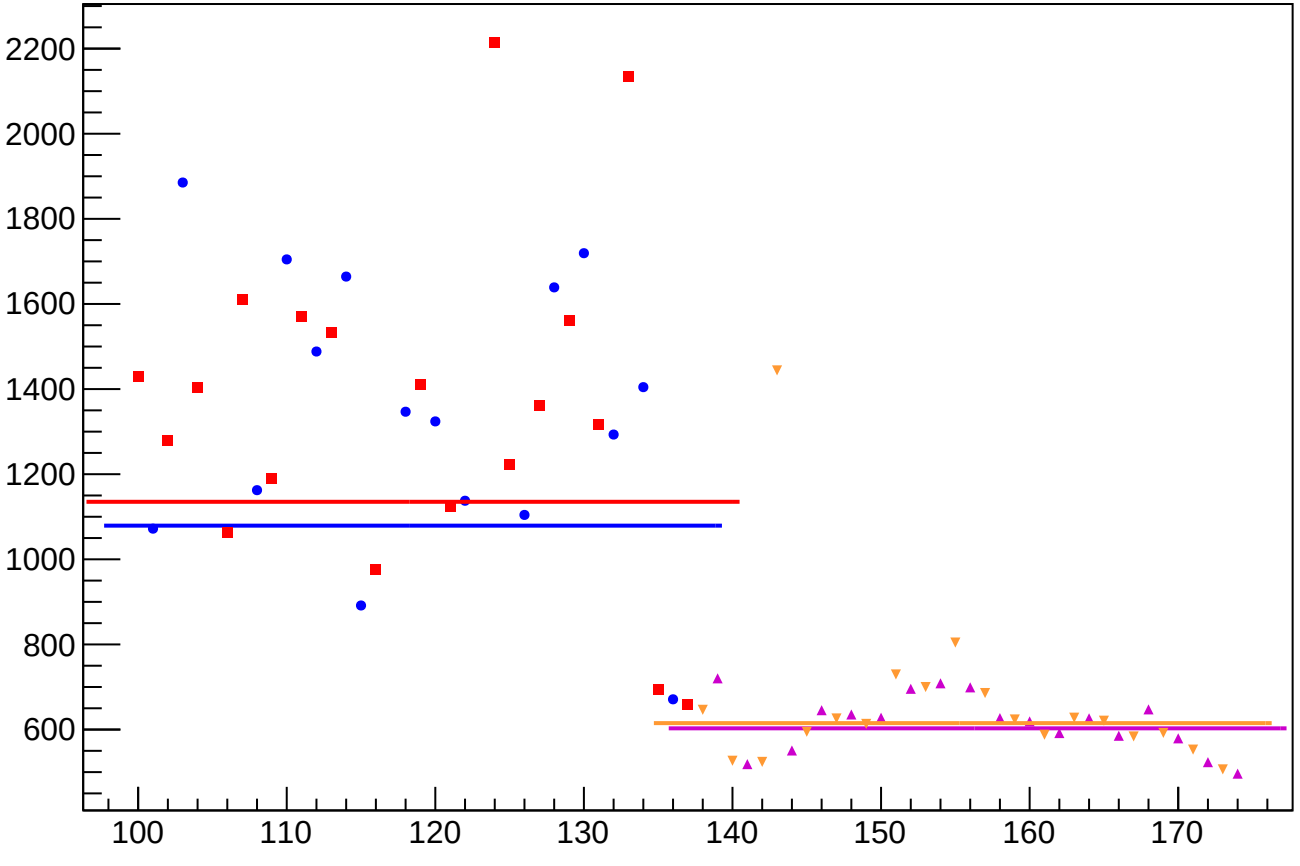
In: 1254.460+/-0.190 χ^2/NDF:547851.3/33

Out: 1268.003+/-0.191 χ^2/NDF:500766.2/37

All: 1261.195+/-0.135 χ^2/NDF: 1051148.1/71


asym_at1_dd_at2_dd_avg_reg_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 941.759+/-425.837 χ²/NDF: 19.9/15
Left Out: 727.376+/-161.526 χ²/NDF:57.6/18
Right Out: -540.622+/-439.905 χ²/NDF: 17.2/18
Left In: -198.518+/-157.548 χ²/NDF:16.2/17
Left: 252.888+/-112.784 χ²/NDF: 90.6/36
Right: 224.651+/-305.965 χ²/NDF: 42.9/34
In: -61.228+/-147.760 χ²/NDF:42.5/33
Out: 576.730+/-151.628 χ²/NDF:82.0/37
All: 249.510+/-105.823 χ²/NDF: 133.6/71

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1079.120+/-0.301 χ^2/NDF: 1482232.0/15

Left Out: 615.116+/-0.114 χ^2/NDF:890828.6/18

Right Out: 1135.161+/-0.311 χ^2/NDF: 1293082.2/18

Left In: 602.855+/-0.111 χ^2/NDF:355480.9/17

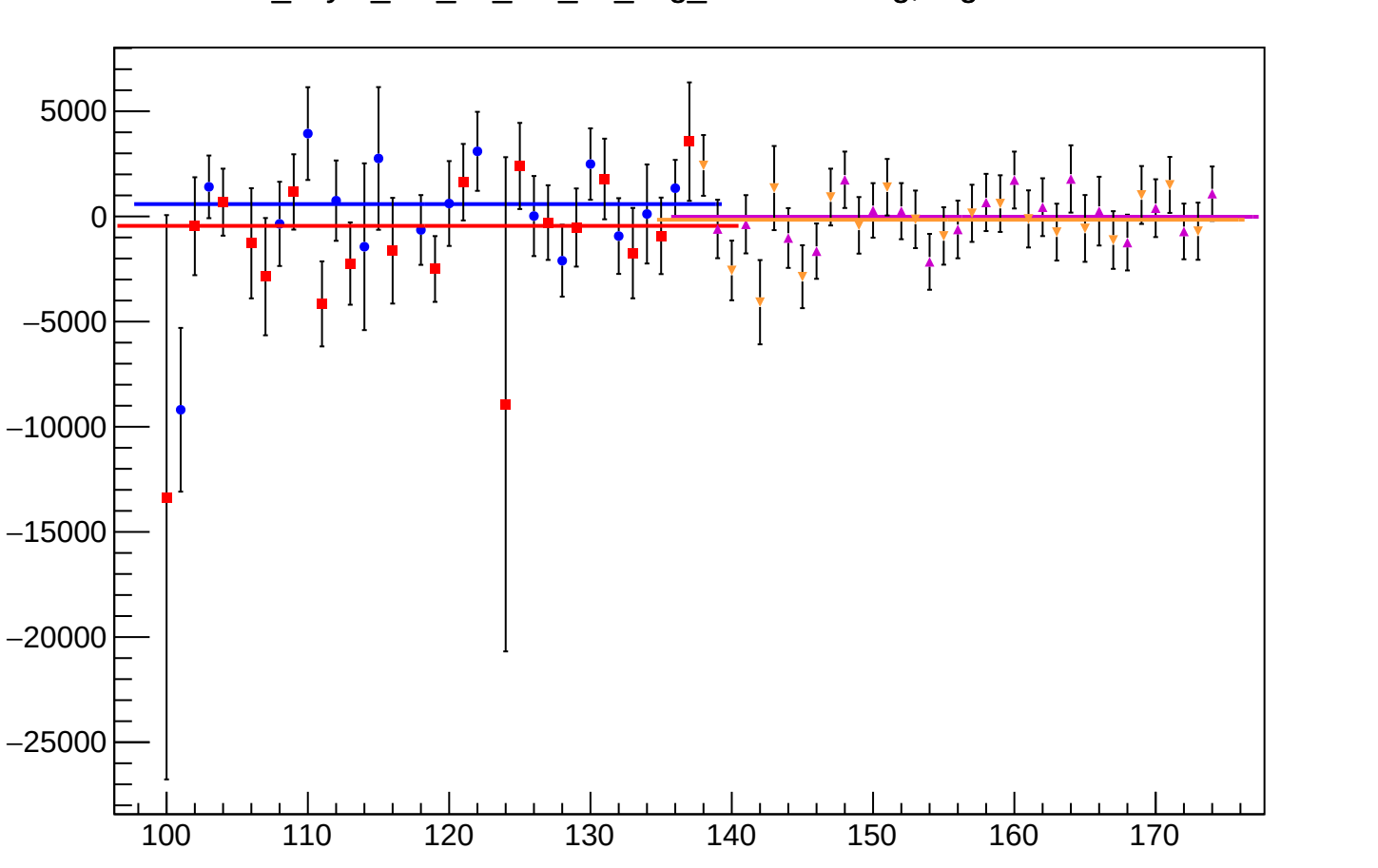
Left: 608.833+/-0.080 χ^2/NDF: 1252215.6/36

Right: 1106.230+/-0.216 χ^2/NDF: 2792070.7/34

In: 660.197+/-0.104 χ^2/NDF:4038237.3/33

Out: 676.901+/-0.107 χ^2/NDF:4646914.3/37

All: 668.333+/-0.075 χ^2/NDF: 8697601.2/71



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

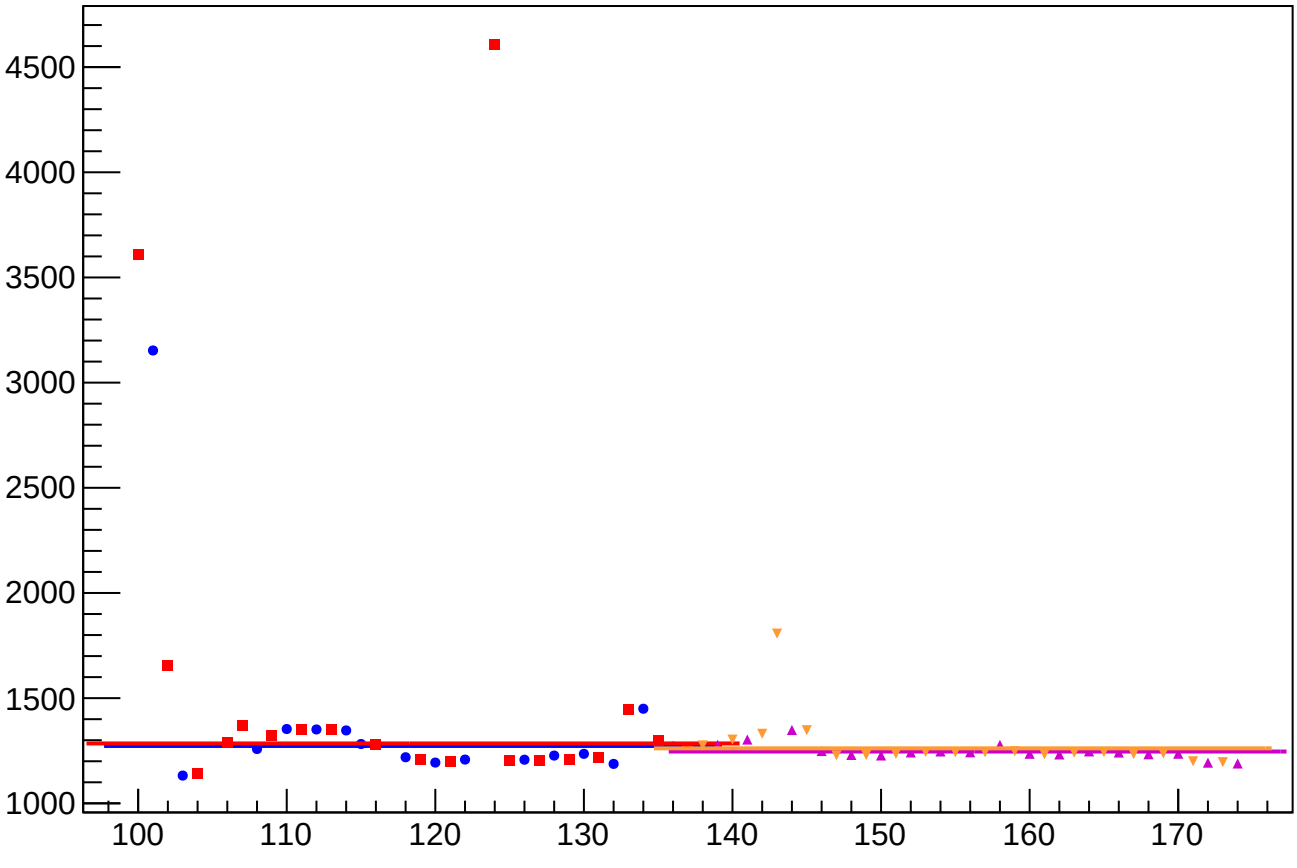
Left: -86.477+/-229.607 χ^2/NDF: 31.9/36

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -248.794+/-270.074 χ^2/NDF:36.7/37

All: -38.164+/-190.411 χ^2/NDF: 68.2/71



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.0/18

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

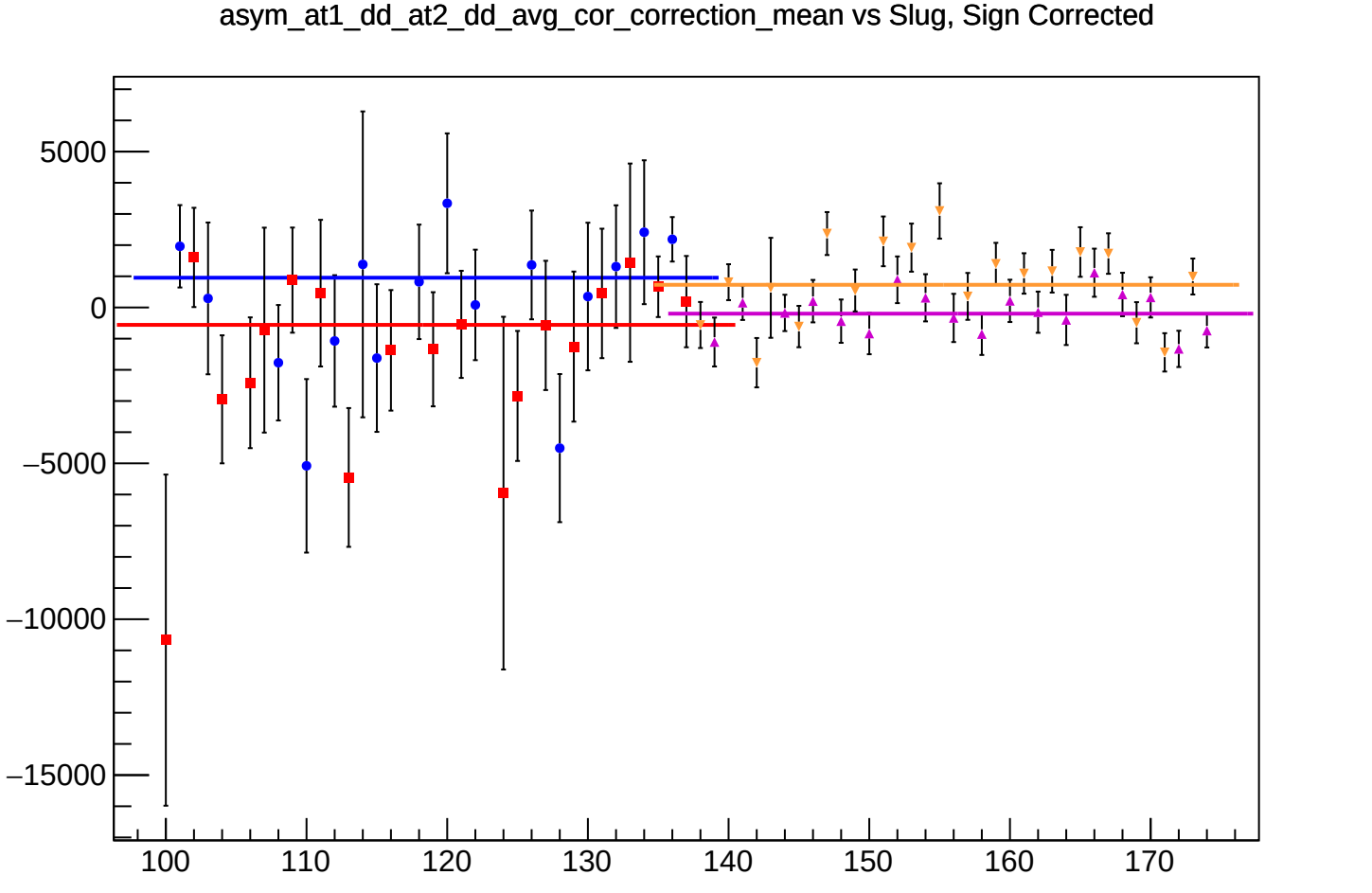
Left: 1253.732+/-0.162 χ^2/NDF: 202618.3/36

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1268.708+/-0.191 χ^2/NDF:508015.7/37

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 727.391+/-161.527 χ^2/NDF:57.6/18

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -198.504+/-157.548 χ^2/NDF:16.2/17

Left: 252.898+/-112.783 χ^2/NDF: 90.6/36

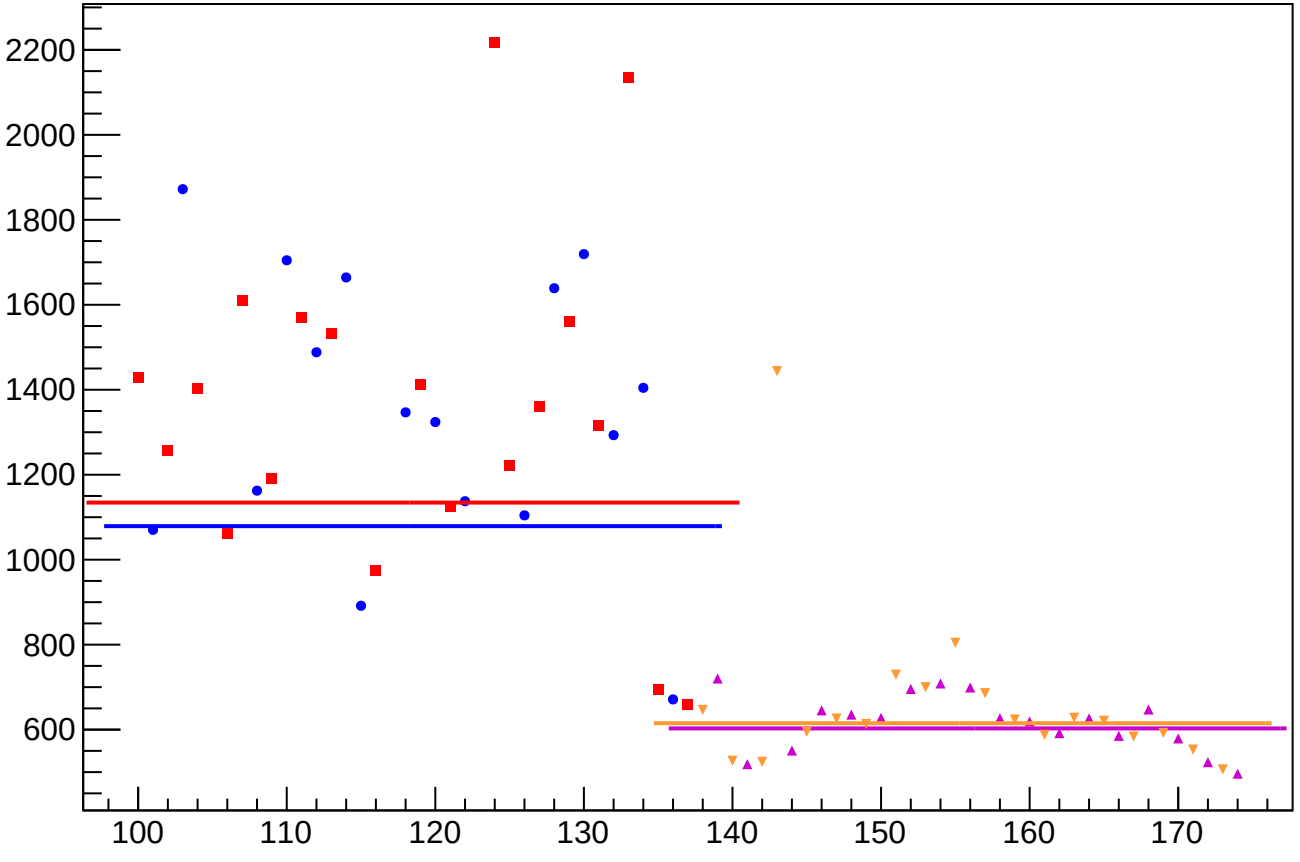
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -59.625+/-147.752 χ^2/NDF:42.6/33

Out: 575.205+/-151.663 χ^2/NDF:83.4/37

All: 249.499+/-105.832 χ^2/NDF: 135.0/71

asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

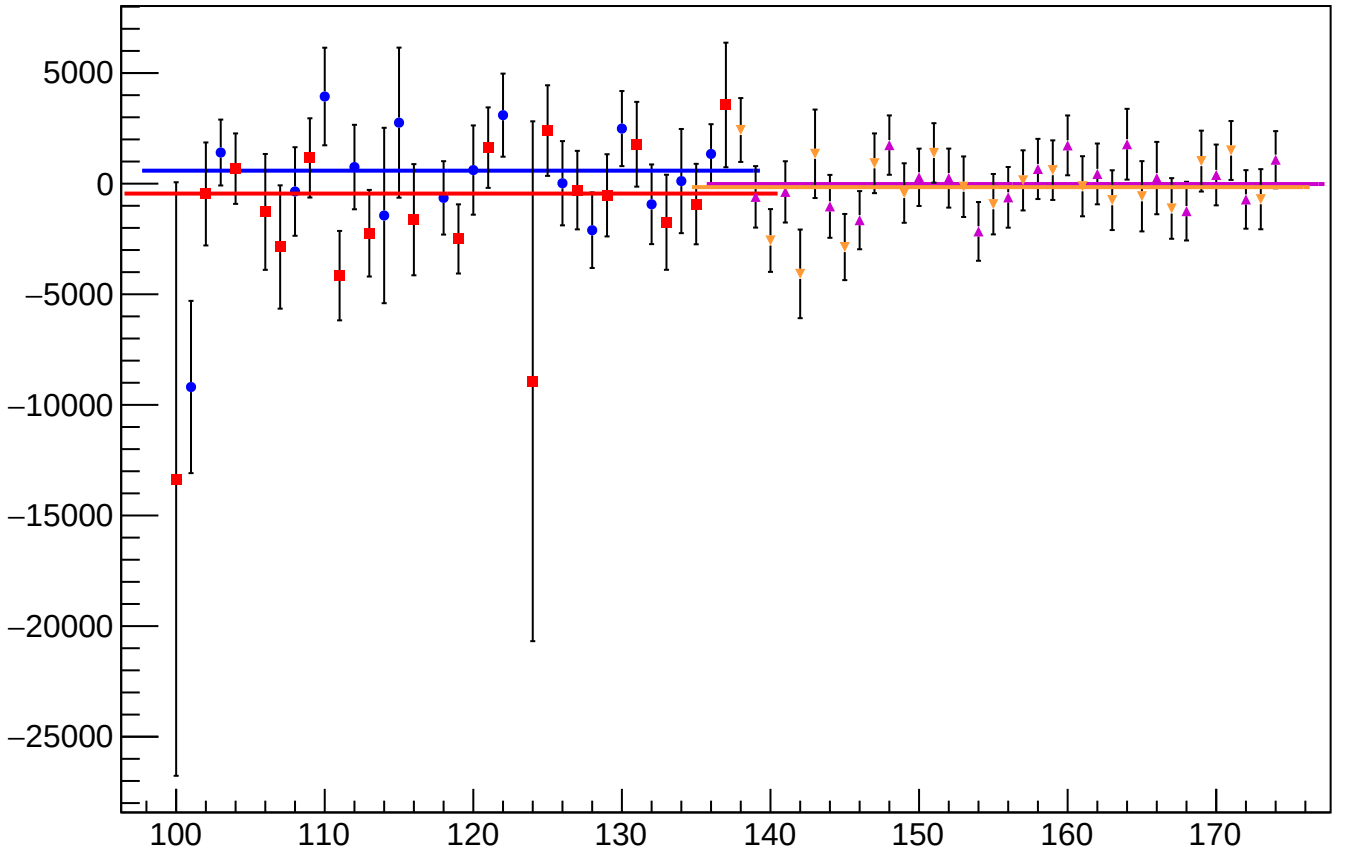
Left: 608.832+/-0.080 χ^2/NDF: 1252195.4/36

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71



Right In: 587.254+/-482.434 χ^2/NDF: 17.1/15

Left Out: -157.072+/-326.275 χ^2/NDF:19.7/18

Right Out: -448.412+/-481.333 χ^2/NDF: 16.8/18

Left In: -17.218+/-323.174 χ^2/NDF:12.2/17

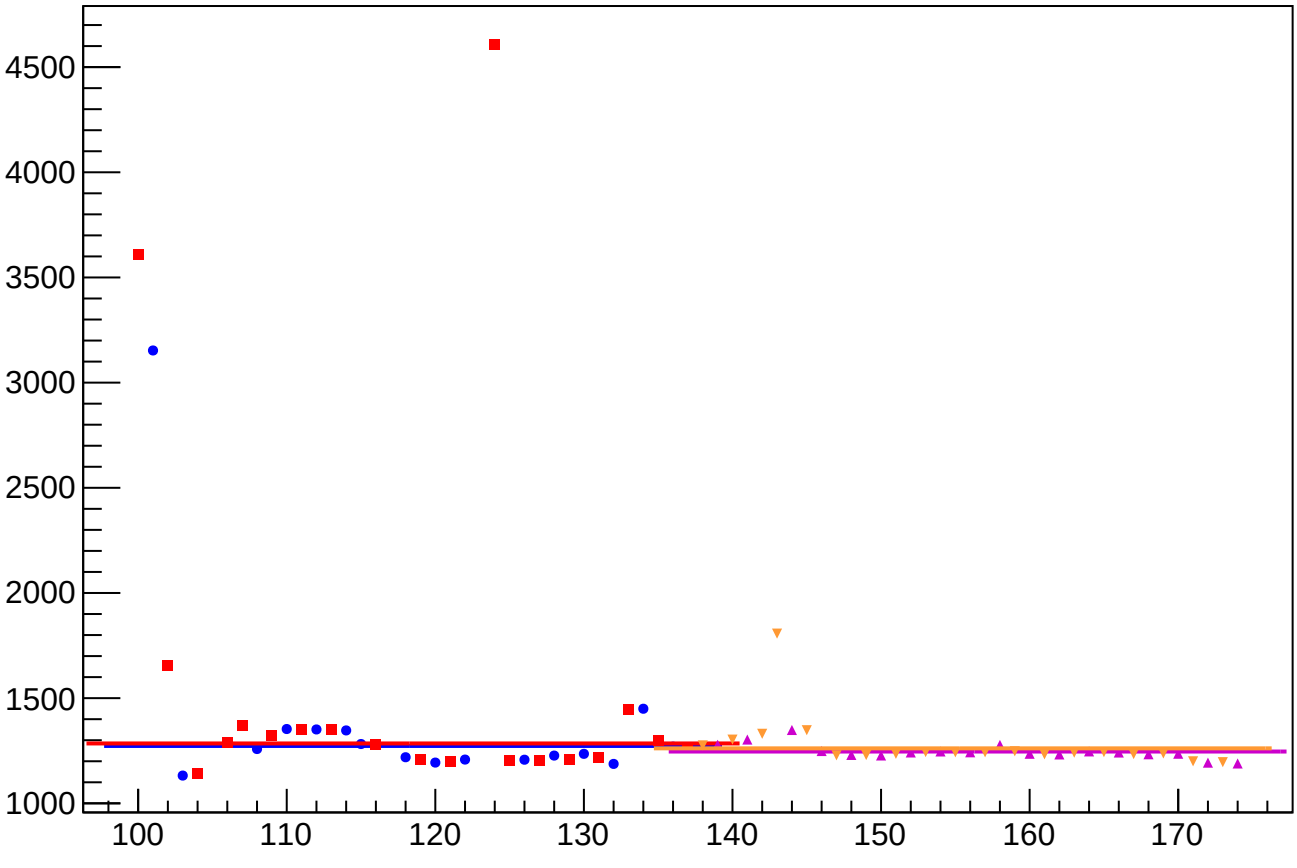
Left: -86.477+/-229.607 χ^2/NDF: 31.9/36

Right: 68.238+/-340.742 χ^2/NDF: 36.2/34

In: 170.015+/-268.498 χ^2/NDF:30.3/33

Out: -248.794+/-270.074 χ^2/NDF:36.7/37

All: -38.164+/-190.411 χ^2/NDF: 68.2/71



Right In: 1272.804+/-0.341 χ^2/NDF: 519299.6/15

Left Out: 1261.381+/-0.231 χ^2/NDF:176077.0/18

Right Out: 1284.654+/-0.340 χ^2/NDF: 328734.9/18

Left In: 1246.228+/-0.229 χ^2/NDF:24363.8/17

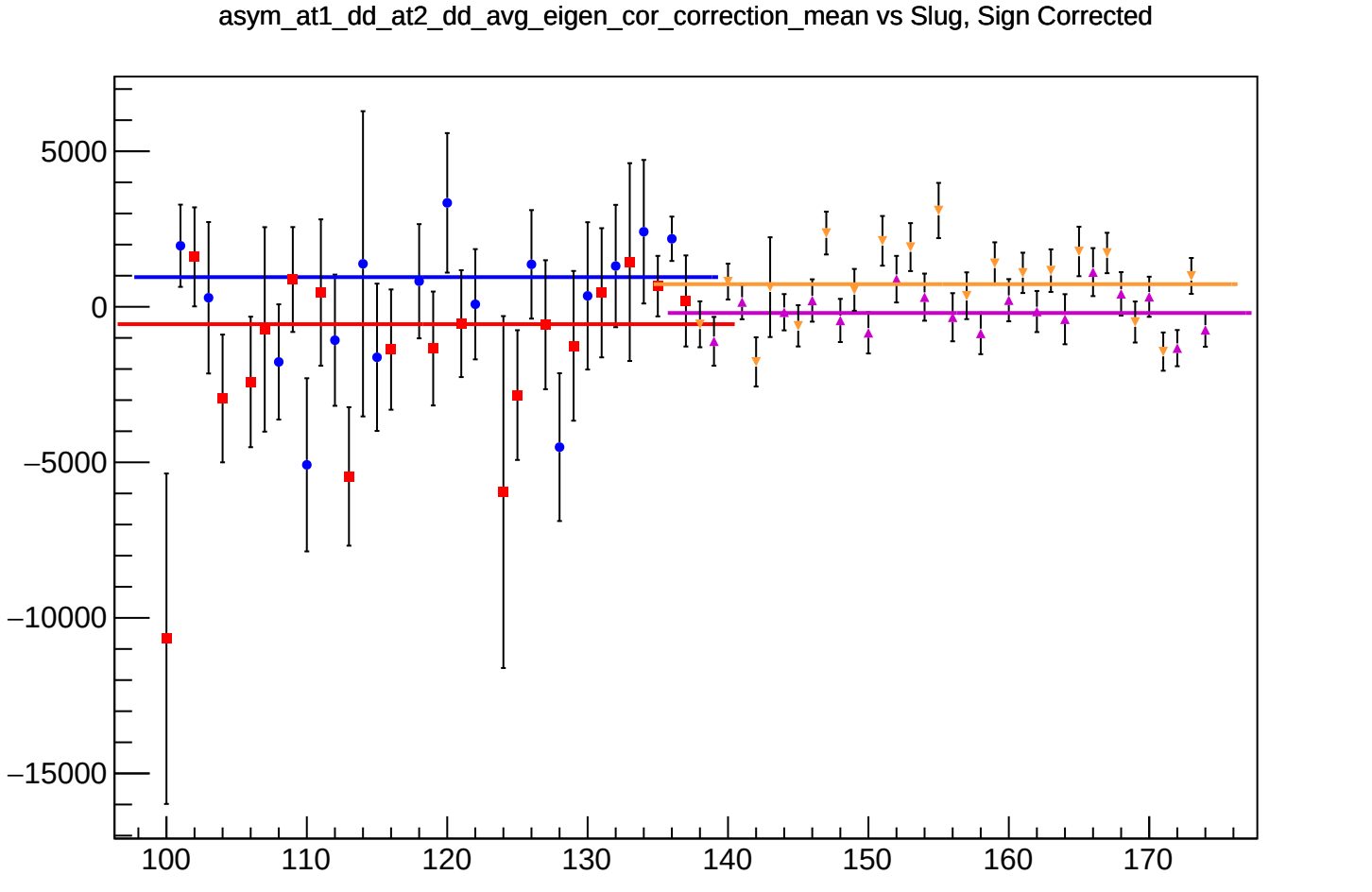
Left: 1253.732+/-0.162 χ^2/NDF: 202618.3/36

Right: 1278.743+/-0.241 χ^2/NDF: 848639.3/34

In: 1254.460+/-0.190 χ^2/NDF:547852.7/33

Out: 1268.708+/-0.191 χ^2/NDF:508015.7/37

All: 1261.542+/-0.135 χ^2/NDF: 1058667.9/71



Right In: 954.146+/-425.660 χ^2/NDF: 19.9/15

Left Out: 727.391+/-161.527 χ^2/NDF:57.6/18

Right Out: -557.935+/-440.758 χ^2/NDF: 18.4/18

Left In: -198.504+/-157.548 χ^2/NDF:16.2/17

Left: 252.898+/-112.783 χ^2/NDF: 90.6/36

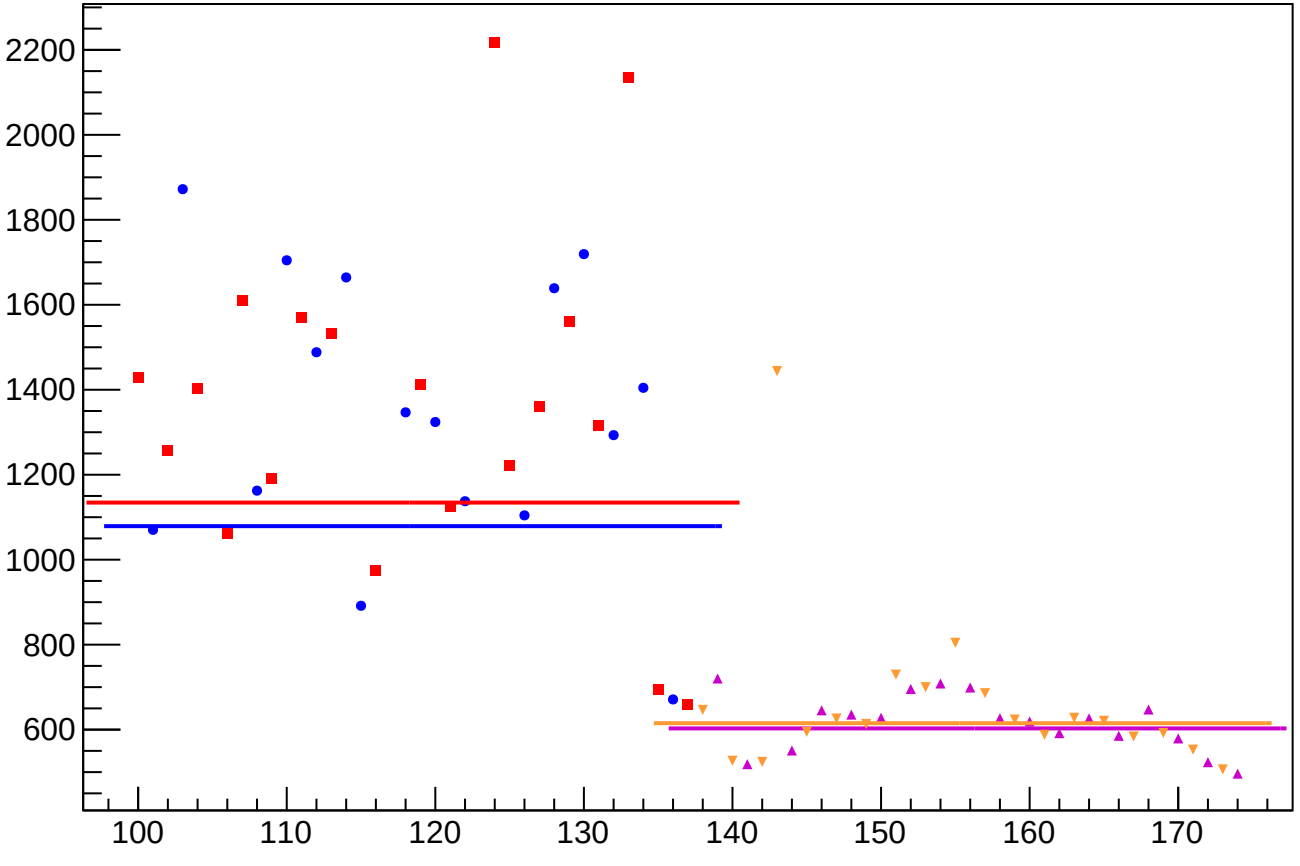
Right: 224.446+/-306.186 χ^2/NDF: 44.3/34

In: -59.625+/-147.752 χ^2/NDF:42.6/33

Out: 575.205+/-151.663 χ^2/NDF:83.4/37

All: 249.499+/-105.832 χ^2/NDF: 135.0/71

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1078.932+/-0.301 χ^2/NDF: 1478719.9/15

Left Out: 615.118+/-0.114 χ^2/NDF:890780.2/18

Right Out: 1134.428+/-0.312 χ^2/NDF: 1288899.2/18

Left In: 602.851+/-0.111 χ^2/NDF:355503.8/17

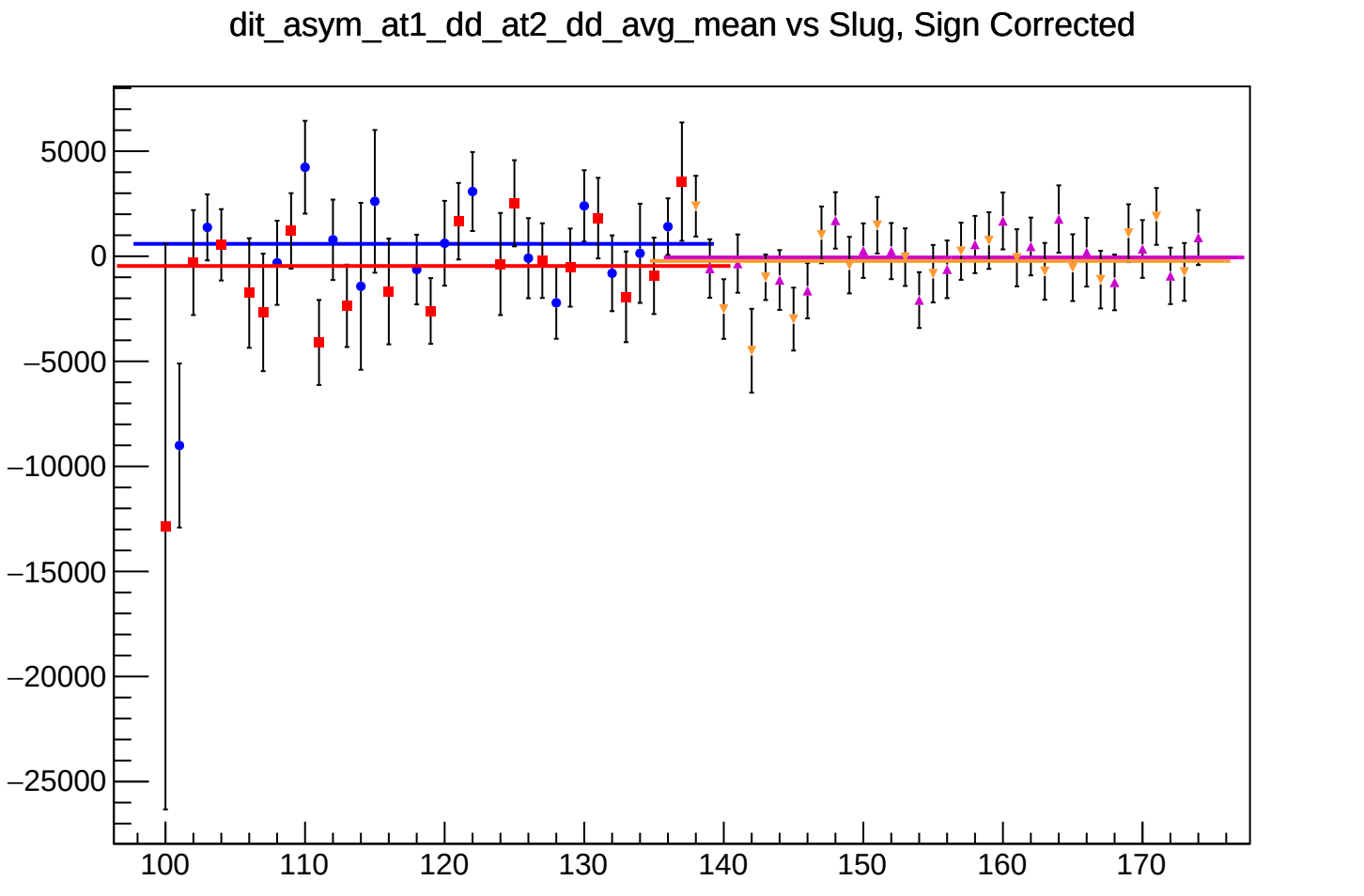
Left: 608.832+/-0.080 χ^2/NDF: 1252195.4/36

Right: 1105.713+/-0.217 χ^2/NDF: 2784024.9/34

In: 660.213+/-0.104 χ^2/NDF:4034648.6/33

Out: 676.606+/-0.107 χ^2/NDF:4627348.9/37

All: 668.195+/-0.075 χ^2/NDF: 8673985.8/71



Right In: 590.322+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.507+/-316.961 χ^2/NDF:21.8/18

Right Out: -462.606+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.172+/-323.922 χ^2/NDF:11.7/17

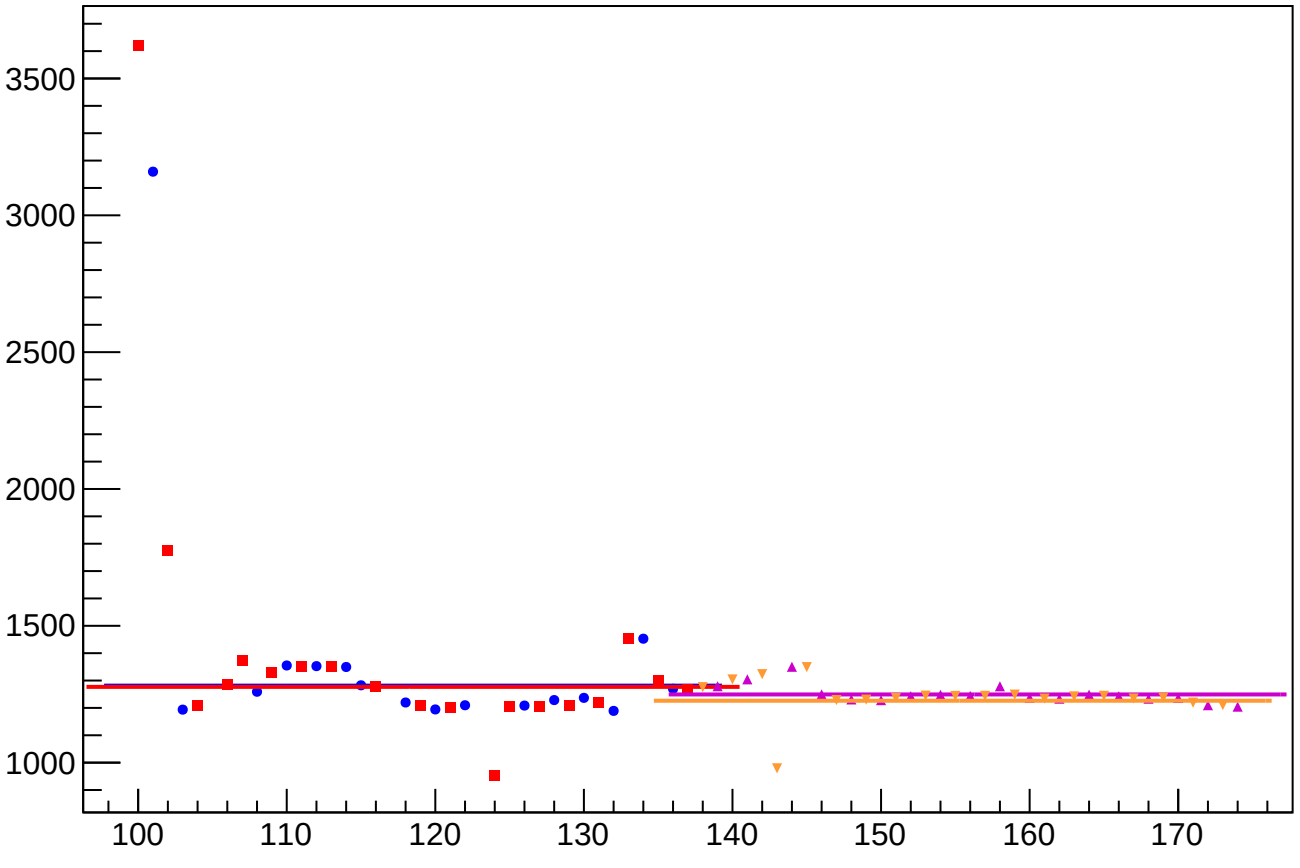
Left: -141.635+/-226.546 χ^2/NDF: 33.7/36

Right: 54.353+/-340.175 χ^2/NDF: 36.2/34

In: 142.284+/-269.451 χ^2/NDF:30.0/33

Out: -296.093+/-263.958 χ^2/NDF:38.7/37

All: -81.419+/-188.558 χ^2/NDF: 70.1/71



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.4/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133257.1/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.6/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.1/17

Left: 1237.448+/-0.160 χ^2/NDF: 159451.1/36

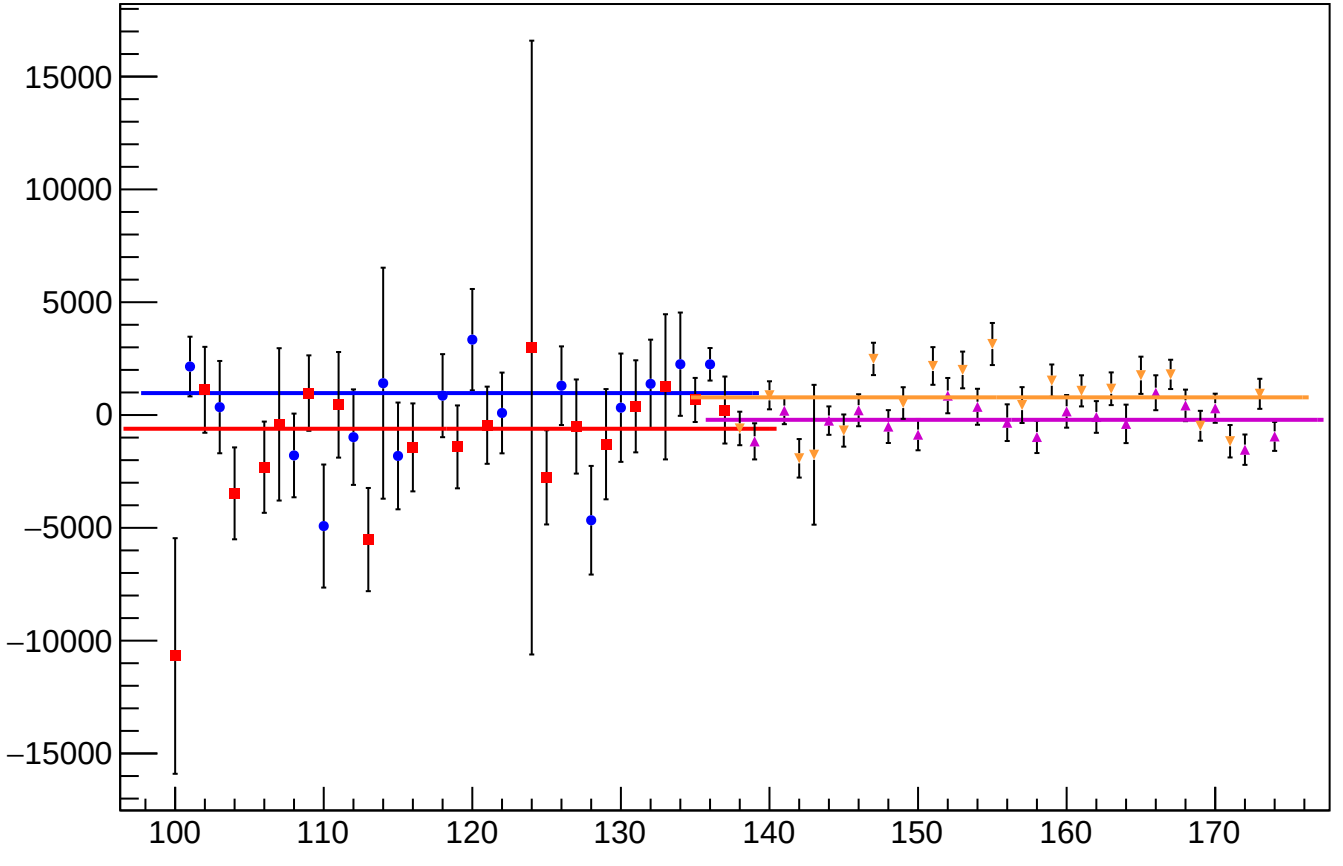
Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.093+/-0.191 χ^2/NDF:534224.5/33

Out: 1241.739+/-0.187 χ^2/NDF:369418.4/37

All: 1250.238+/-0.133 χ^2/NDF: 907876.6/71

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 972.287+/-425.219 χ^2/NDF: 20.4/15

Left Out: 783.600+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.431+/-447.734 χ^2/NDF: 17.1/18

Left In: -212.114+/-167.661 χ^2/NDF:16.3/17

Left: 272.737+/-120.093 χ^2/NDF: 85.6/36

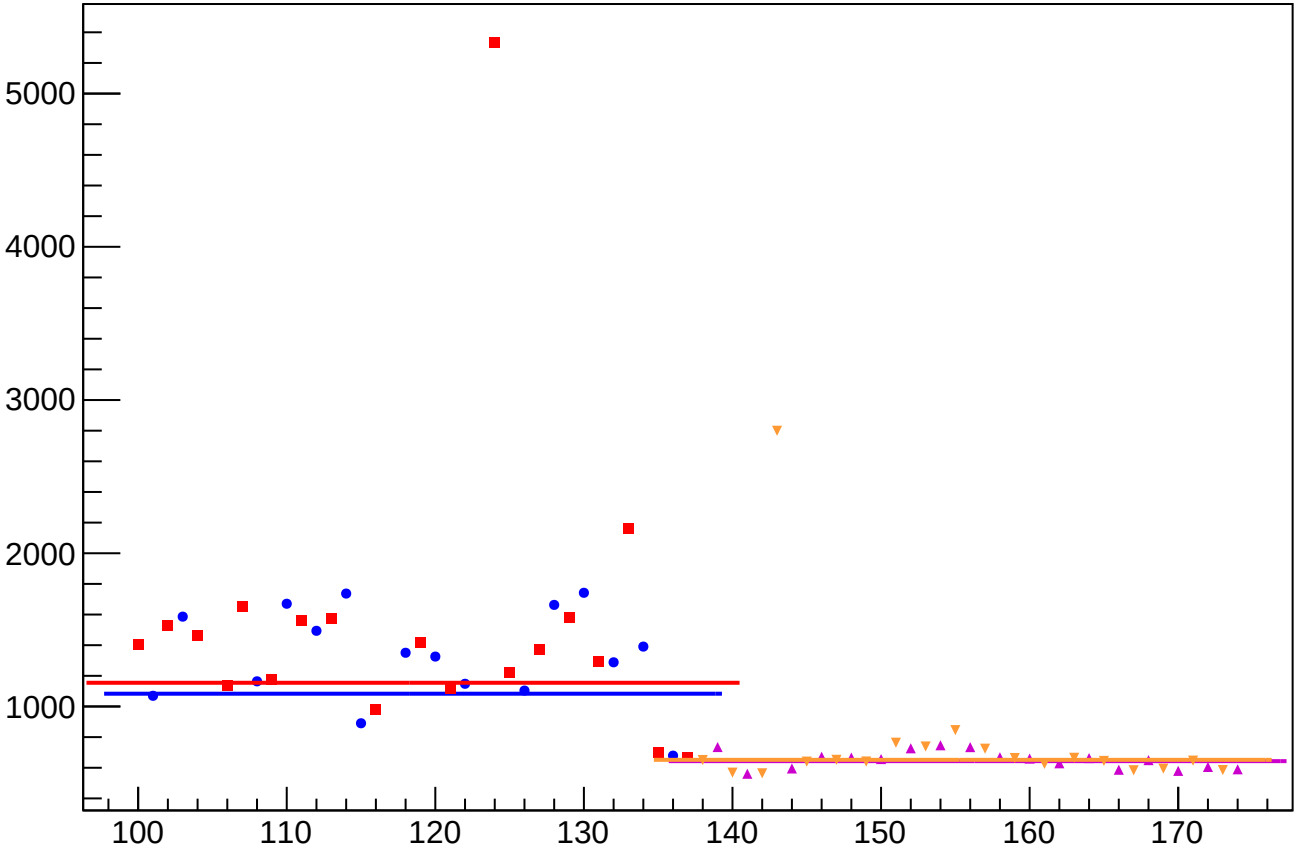
Right: 222.671+/-308.328 χ^2/NDF: 44.1/34

In: -52.753+/-155.974 χ^2/NDF:43.4/33

Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 266.142+/-111.904 χ^2/NDF: 129.8/71

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: 651.696+/-0.122 χ^2/NDF:1241887.3/18

Right Out: 1154.724+/-0.317 χ^2/NDF: 1488304.5/18

Left In: 643.230+/-0.119 χ^2/NDF:219442.5/17

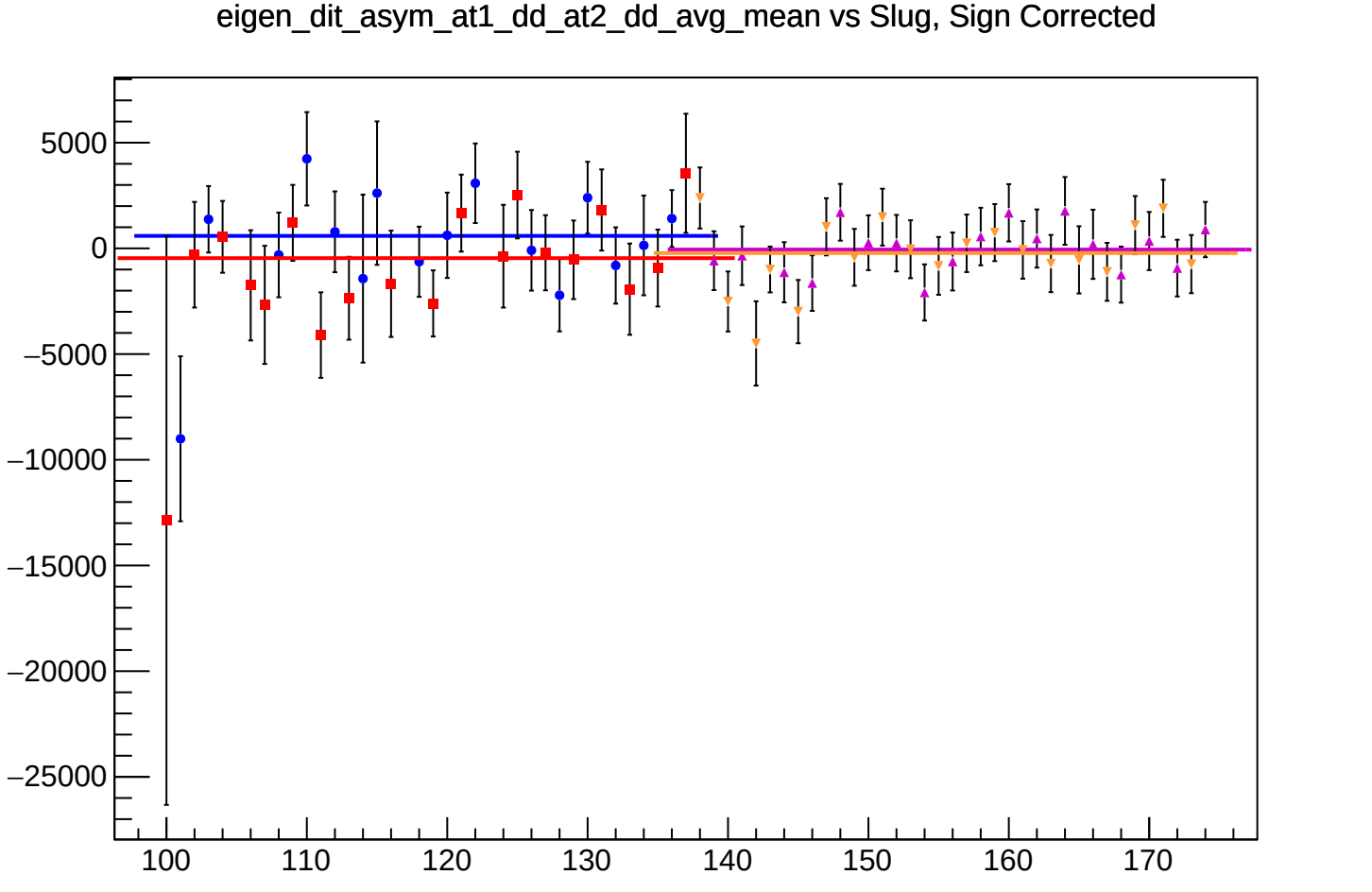
Left: 647.353+/-0.085 χ^2/NDF: 1463812.9/36

Right: 1117.189+/-0.218 χ^2/NDF: 2875191.7/34

In: 702.446+/-0.110 χ^2/NDF:3433804.9/33

Out: 716.450+/-0.114 χ^2/NDF:4929710.1/37

All: 709.242+/-0.079 χ^2/NDF: 8371338.8/71



Right In: 590.323+/-485.483 χ^2/NDF: 17.1/15

Left Out: -222.509+/-316.961 χ^2/NDF:21.8/18

Right Out: -462.605+/-476.795 χ^2/NDF: 16.7/18

Left In: -57.171+/-323.922 χ^2/NDF:11.7/17

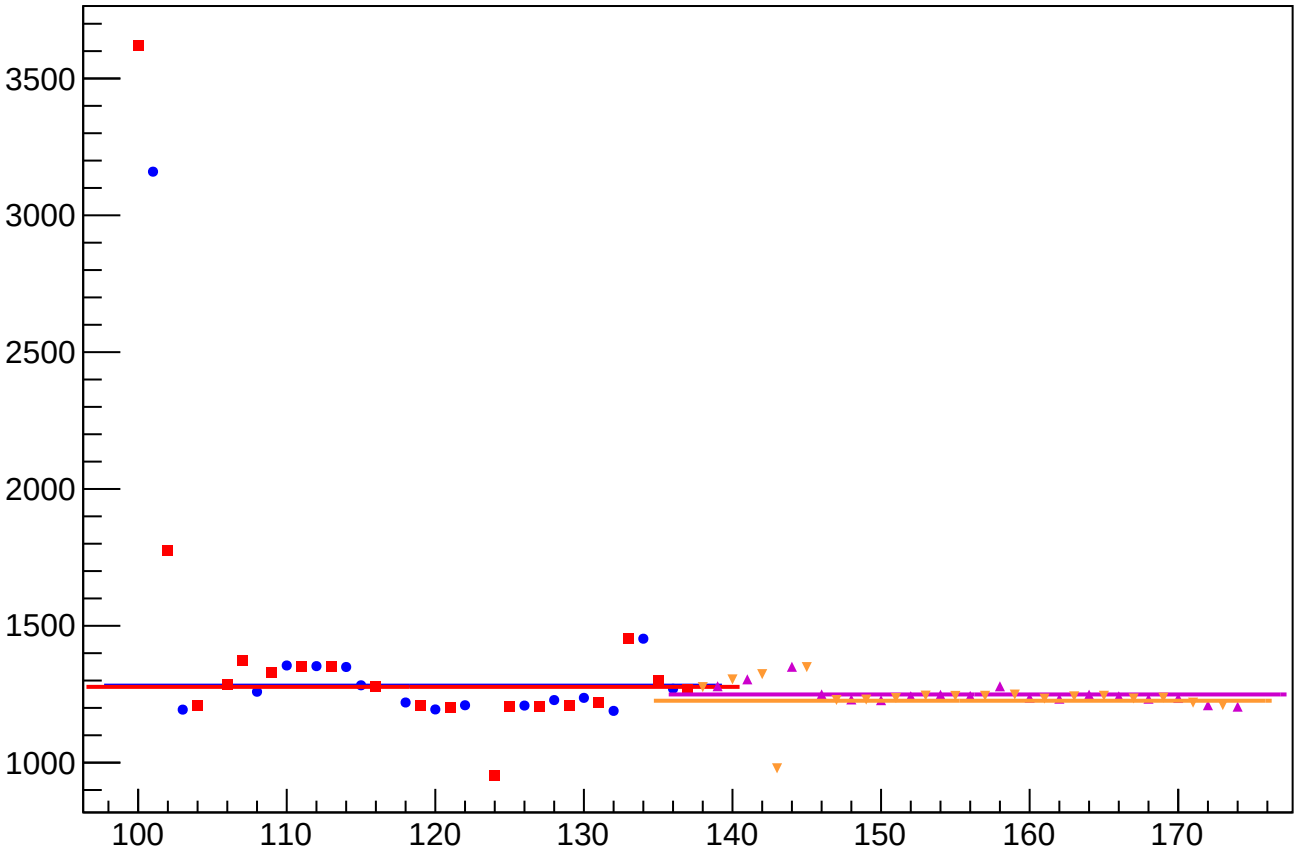
Left: -141.636+/-226.546 χ^2/NDF: 33.7/36

Right: 54.354+/-340.175 χ^2/NDF: 36.2/34

In: 142.285+/-269.451 χ^2/NDF:30.0/33

Out: -296.094+/-263.958 χ^2/NDF:38.7/37

All: -81.419+/-188.558 χ^2/NDF: 70.1/71



Right In: 1281.369+/-0.343 χ^2/NDF: 507078.6/15

Left Out: 1226.218+/-0.224 χ^2/NDF:133256.4/18

Right Out: 1276.860+/-0.337 χ^2/NDF: 220513.5/18

Left In: 1249.177+/-0.229 χ^2/NDF:21061.2/17

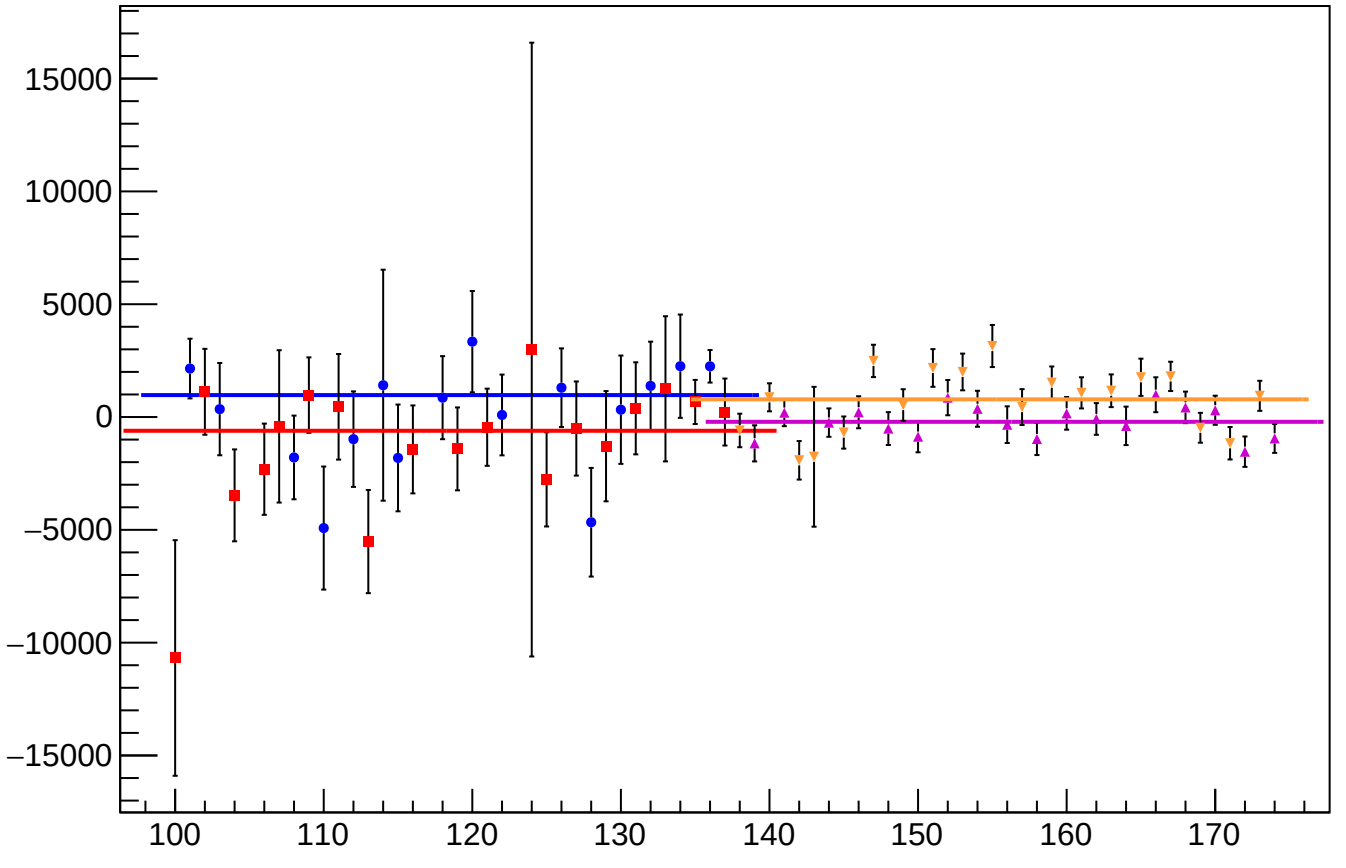
Left: 1237.448+/-0.160 χ^2/NDF: 159450.4/36

Right: 1279.074+/-0.241 χ^2/NDF: 727679.9/34

In: 1259.093+/-0.191 χ^2/NDF:534224.7/33

Out: 1241.739+/-0.187 χ^2/NDF:369417.5/37

All: 1250.237+/-0.133 χ^2/NDF: 907875.8/71



Right In: 972.281+/-425.220 χ^2/NDF: 20.4/15

Left Out: 783.601+/-172.100 χ^2/NDF:52.2/18

Right Out: -608.441+/-447.736 χ^2/NDF: 17.1/18

Left In: -212.112+/-167.661 χ^2/NDF:16.3/17

Left: 272.738+/-120.093 χ^2/NDF: 85.6/36

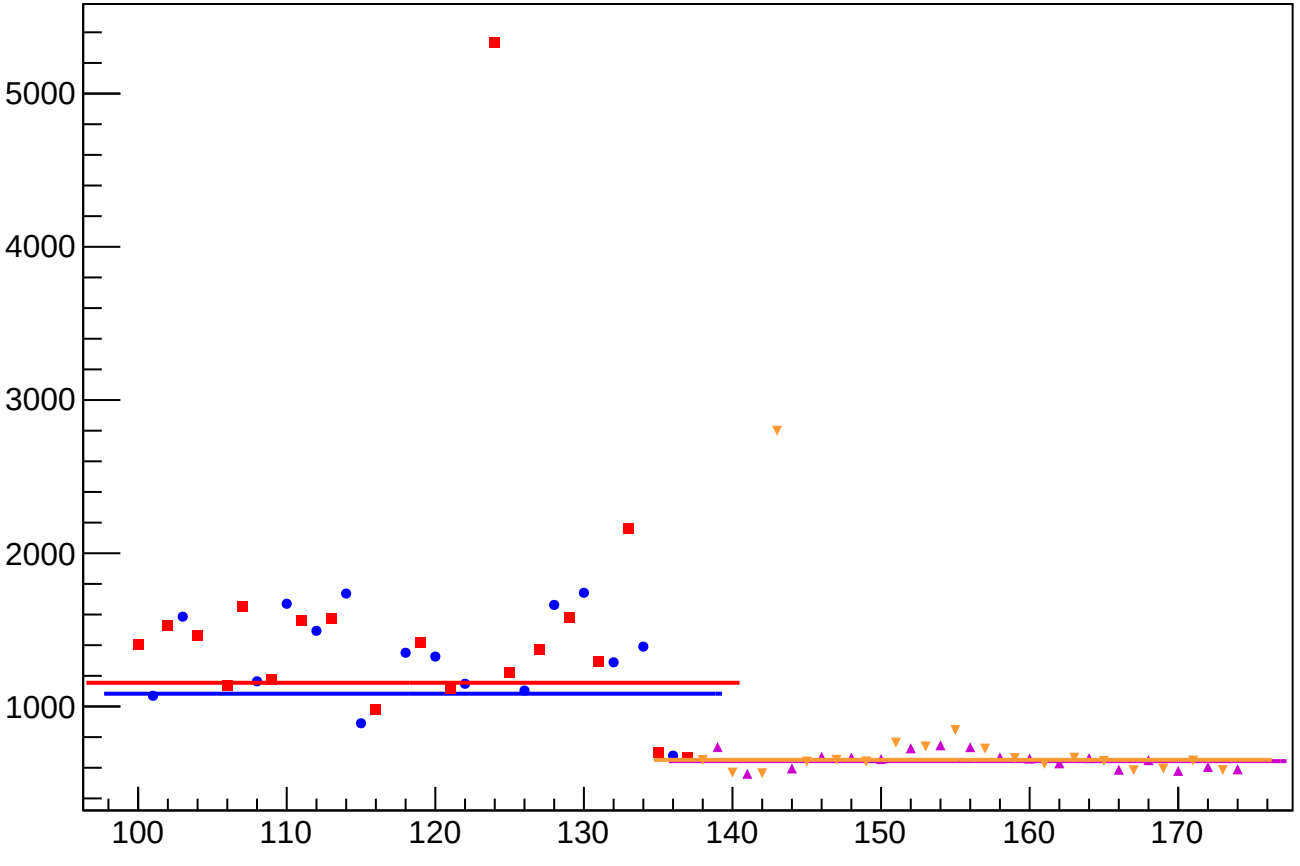
Right: 222.664+/-308.329 χ^2/NDF: 44.1/34

In: -52.754+/-155.974 χ^2/NDF:43.4/33

Out: 604.407+/-160.641 χ^2/NDF:77.7/37

All: 266.142+/-111.904 χ^2/NDF: 129.8/71

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: 651.696+/-0.122 χ^2/NDF:1241884.0/18

Right Out: 1154.732+/-0.317 χ^2/NDF: 1488251.4/18

Left In: 643.230+/-0.119 χ^2/NDF:219446.3/17

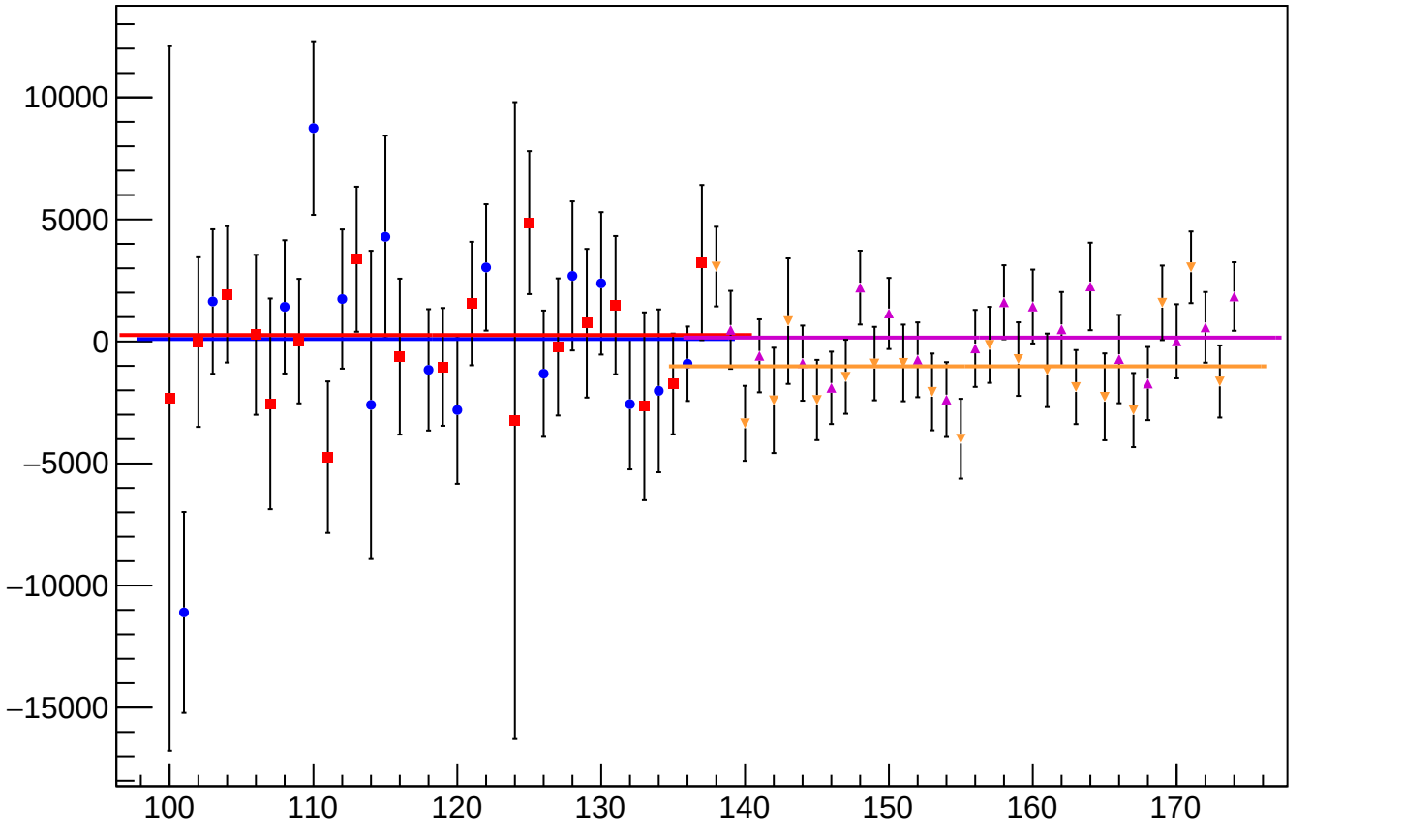
Left: 647.352+/-0.085 χ^2/NDF: 1463813.9/36

Right: 1117.196+/-0.218 χ^2/NDF: 2875081.4/34

In: 702.446+/-0.110 χ^2/NDF:3433799.0/33

Out: 716.451+/-0.114 χ^2/NDF:4929701.6/37

All: 709.242+/-0.079 χ^2/NDF: 8371325.1/71



Right In: 100.451+/-698.983 χ^2/NDF: 21.3/15

Left Out: -1018.747+/-366.975 χ^2/NDF:27.3/18

Right Out: 262.731+/-699.724 χ^2/NDF: 10.3/18

Left In: 158.419+/-361.362 χ^2/NDF:14.5/17

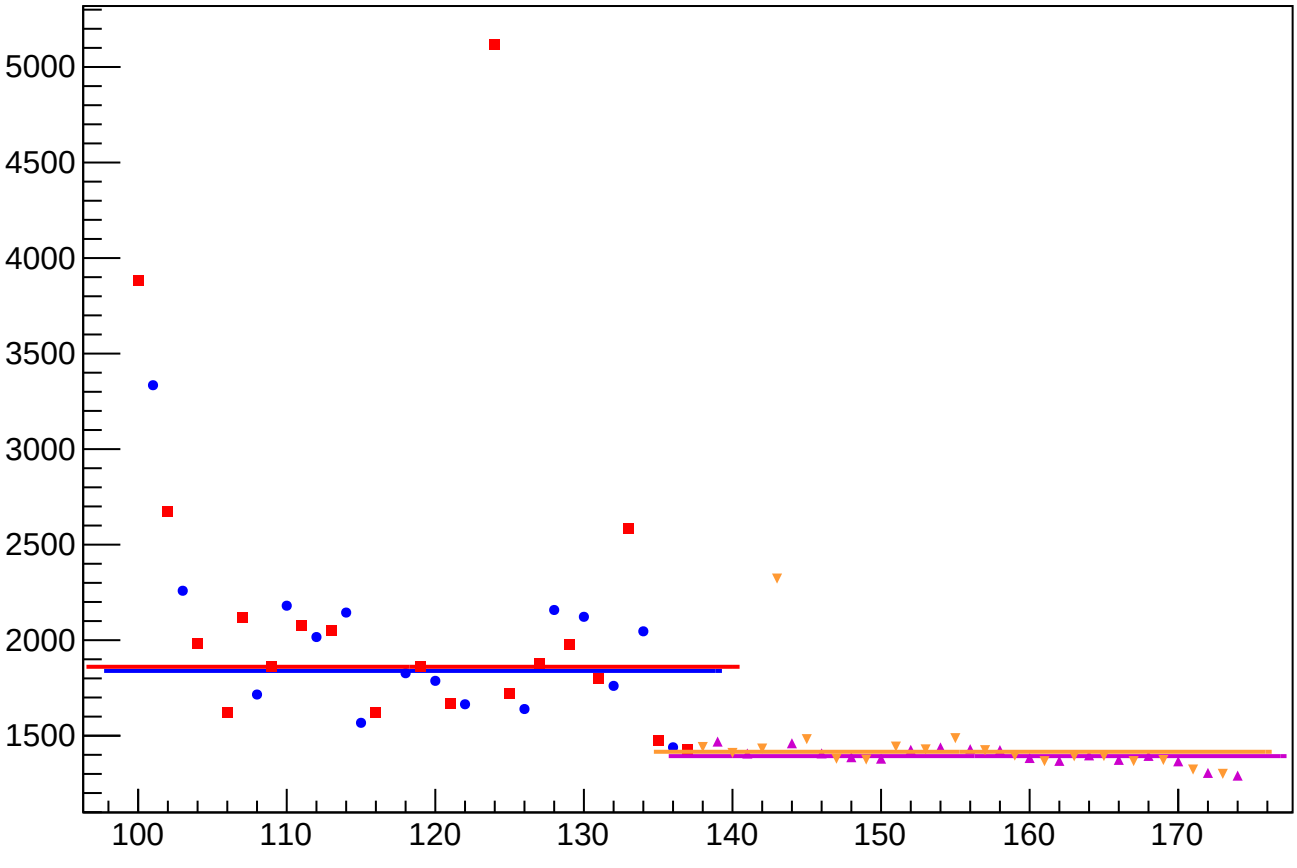
Left: -421.094+/-257.483 χ^2/NDF: 47.1/36

Right: 181.505+/-494.518 χ^2/NDF: 31.6/34

In: 146.193+/-321.002 χ^2/NDF:35.8/33

Out: -742.307+/-324.992 χ^2/NDF:40.3/37

All: -292.570+/-228.380 χ^2/NDF: 79.9/71



Right In: 1839.113+/-0.494 χ^2/NDF: 556725.4/15

Left Out: 1415.940+/-0.259 χ^2/NDF:286675.4/18

Right Out: 1860.754+/-0.495 χ^2/NDF: 522114.2/18

Left In: 1393.181+/-0.256 χ^2/NDF:32982.0/17

Left: 1404.385+/-0.182 χ^2/NDF: 323563.1/36

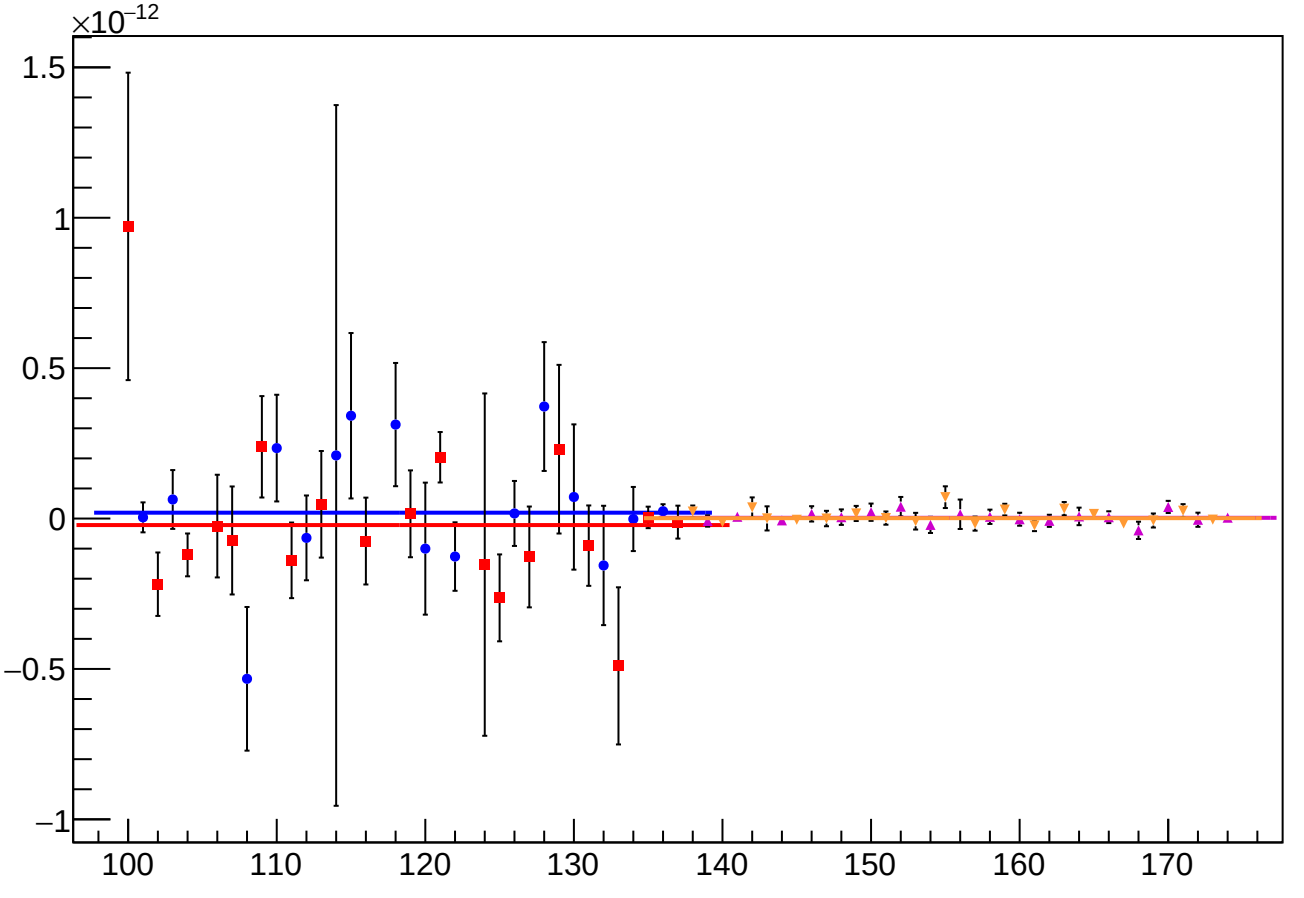
Right: 1849.922+/-0.350 χ^2/NDF: 1079797.1/34

In: 1487.230+/-0.227 χ^2/NDF:1232049.6/33

Out: 1511.897+/-0.230 χ^2/NDF:1442675.9/37

All: 1499.411+/-0.161 χ^2/NDF: 2680557.7/71

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 28.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9.3/17

Left: 0.000+/-0.000 χ^2/NDF: 28.0/36

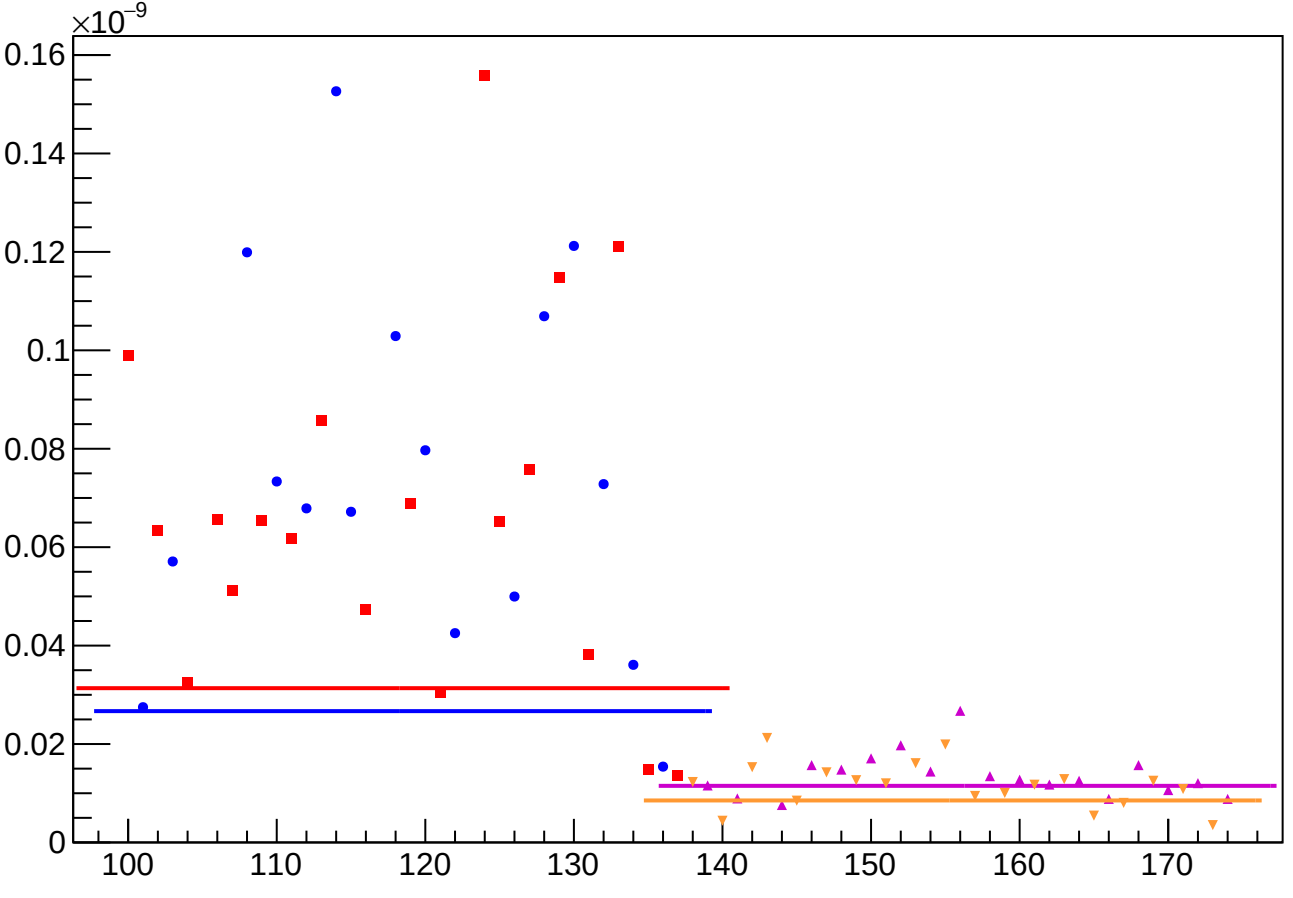
Right: 0.000+/-0.000 χ^2/NDF: 46.7/34

In: 0.000+/-0.000 χ^2/NDF:26.6/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 74.7/71

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:1997620.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2275167.3/18

Left In: 0.000+/-0.000 χ^2/NDF:892877.3/17

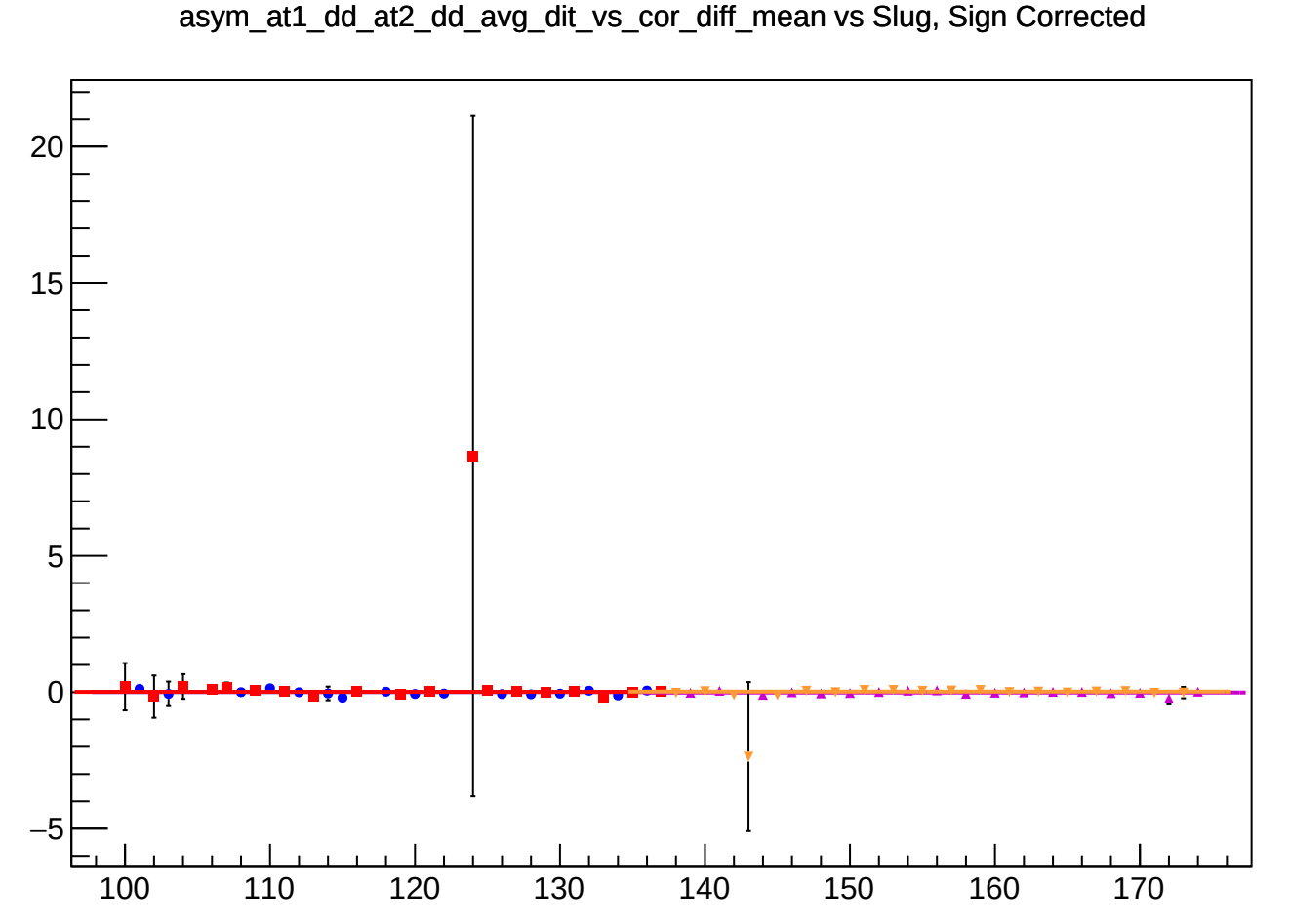
Left: 0.000+/-0.000 χ^2/NDF: 3293886.0/36

Right: 0.000+/-0.000 χ^2/NDF: 4906978.5/34

In: 0.000+/-0.000 χ^2/NDF:4688338.9/33

Out: 0.000+/-0.000 χ^2/NDF:6294140.6/37

All: 0.000+/-0.000 χ^2/NDF: 11480858.5/71



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

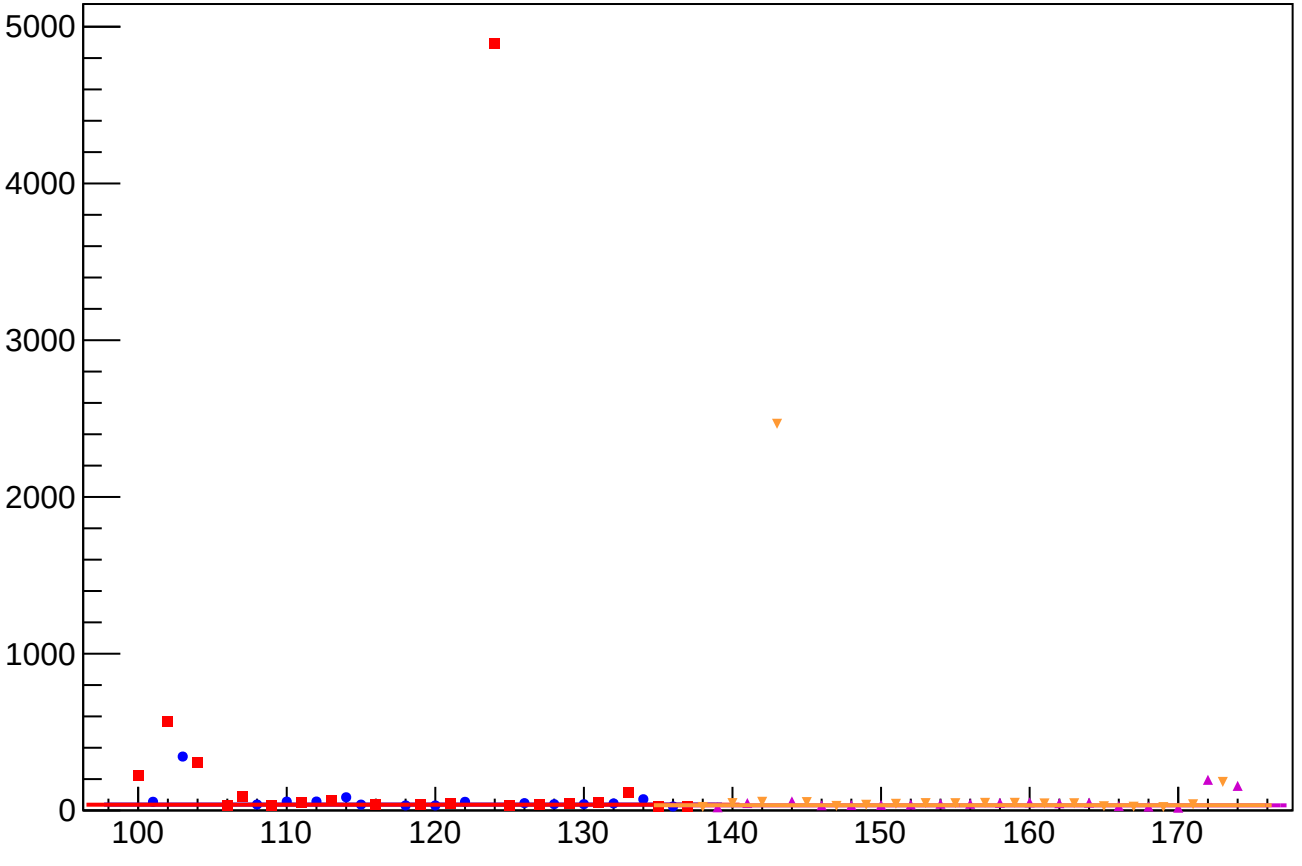
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

Left: 32.968+/-0.005 χ^2/NDF: 9817834.0/36

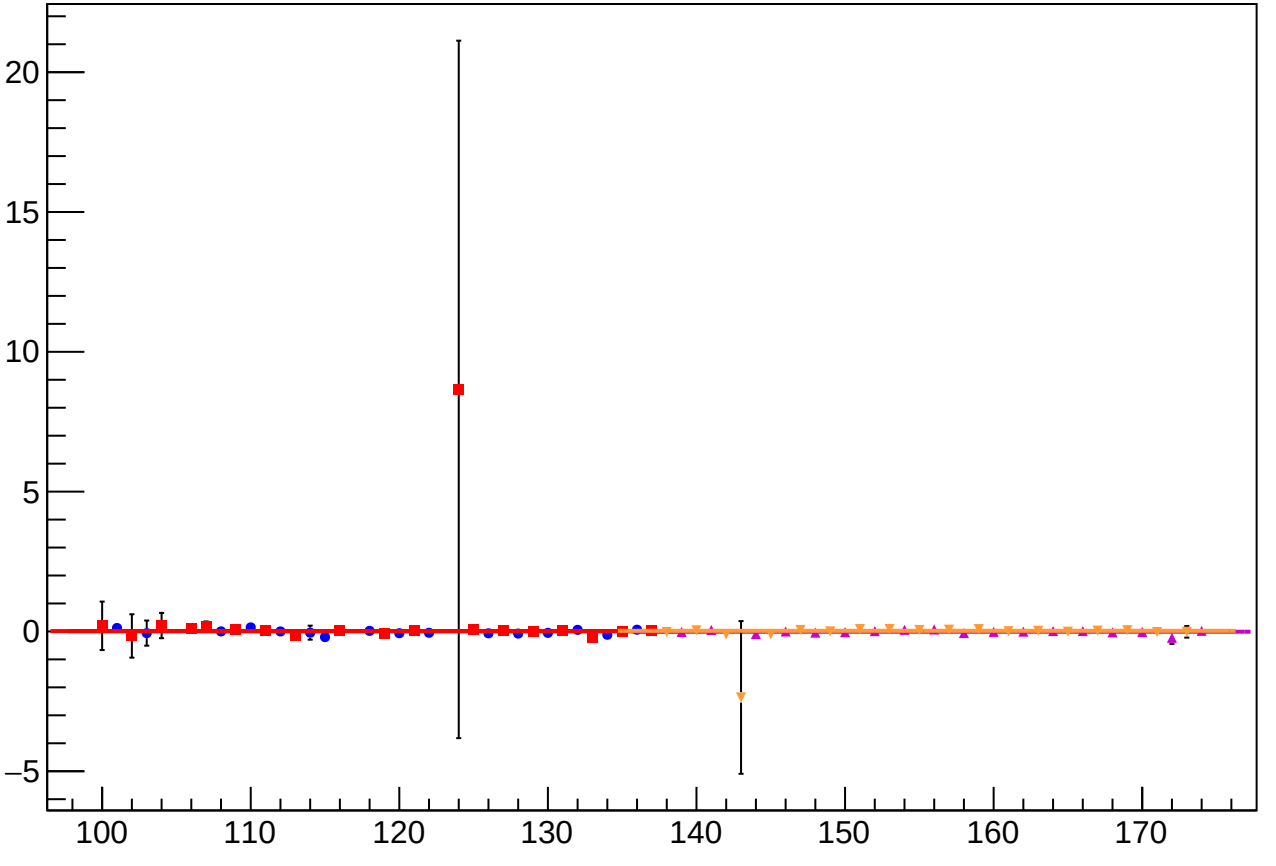
Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.012+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

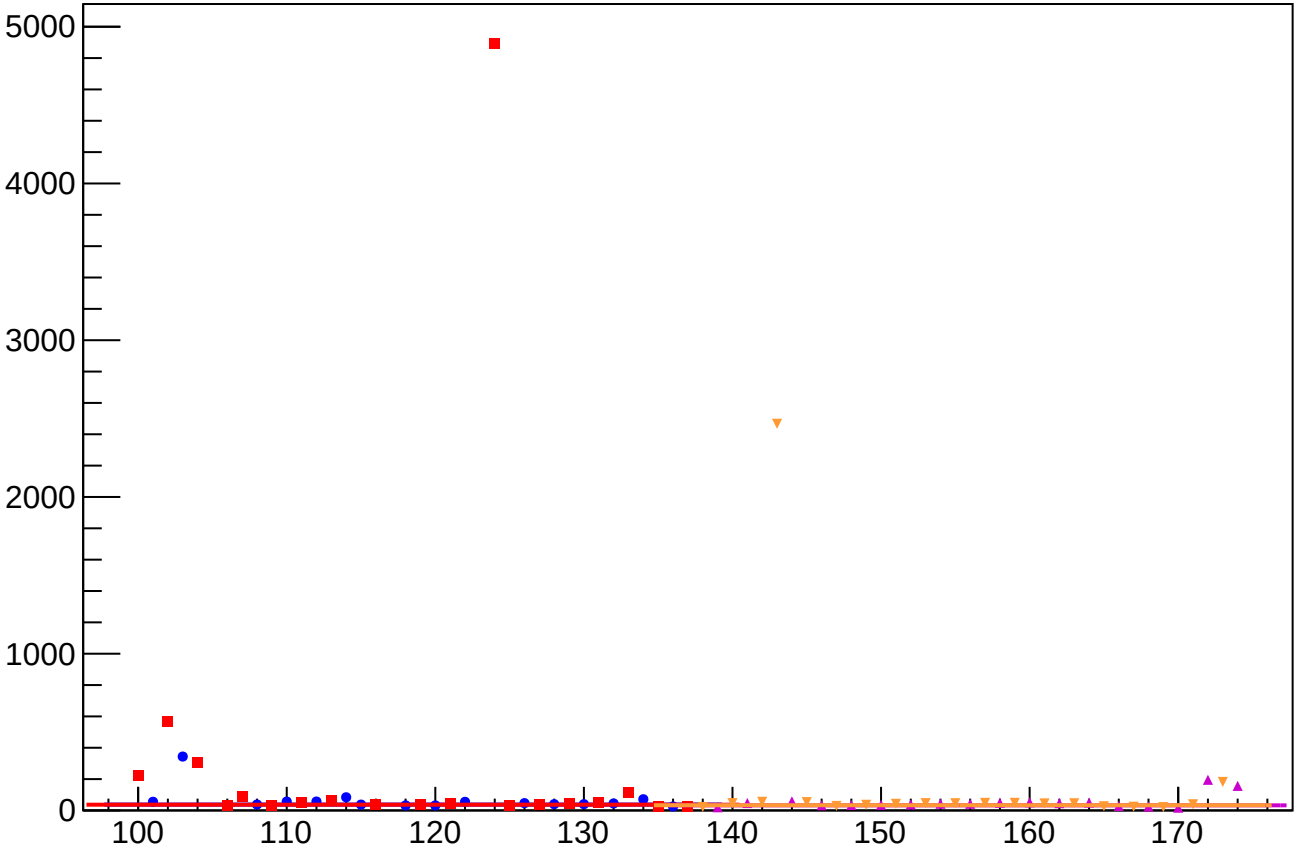
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.494+/-0.011 χ^2/NDF: 1983275.6/15

Left Out: 33.336+/-0.007 χ^2/NDF:4999907.8/18

Right Out: 36.767+/-0.012 χ^2/NDF: 3190700.2/18

Left In: 32.619+/-0.007 χ^2/NDF:4812878.9/17

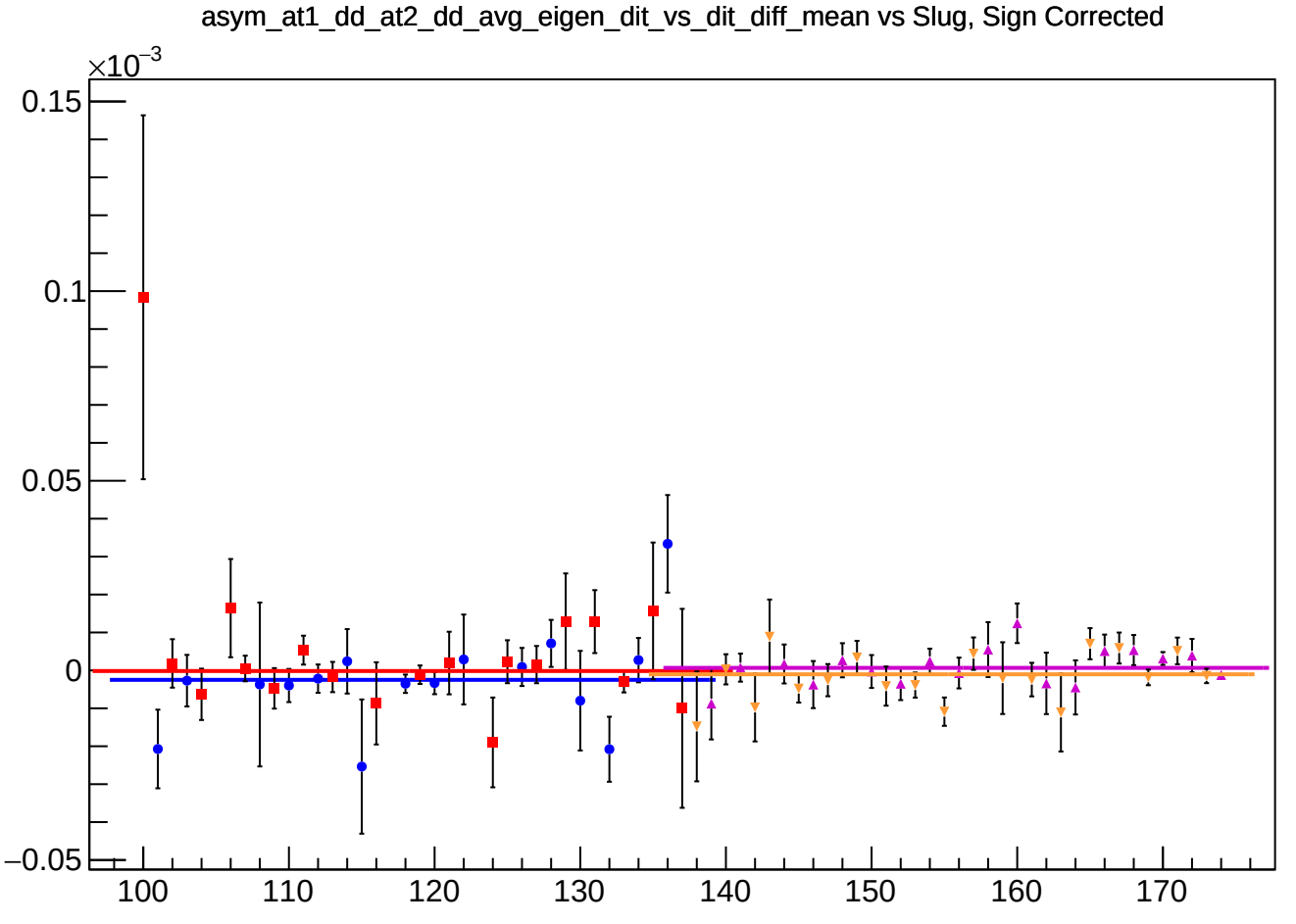
Left: 32.968+/-0.005 χ^2/NDF: 9817834.0/36

Right: 37.143+/-0.008 χ^2/NDF: 5175953.4/34

In: 33.971+/-0.006 χ^2/NDF:6929059.5/33

Out: 34.280+/-0.006 χ^2/NDF:8252406.4/37

All: 34.121+/-0.004 χ^2/NDF: 15182759.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/18

Left In: 0.000+/-0.000 χ^2/NDF:17.5/17

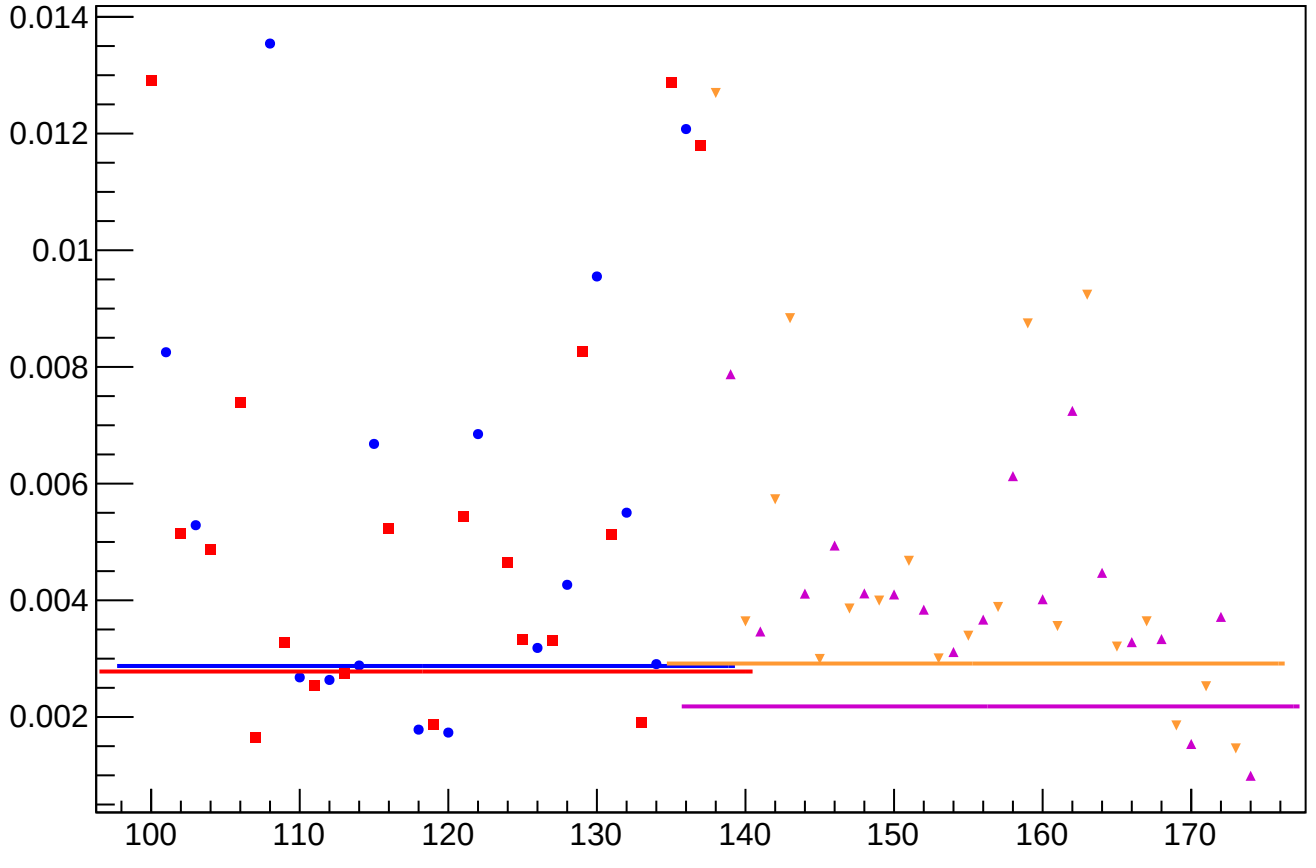
Left: -0.000+/-0.000 χ^2/NDF: 45.7/36

Right: -0.000+/-0.000 χ^2/NDF: 42.5/34

In: -0.000+/-0.000 χ^2/NDF:43.8/33

Out: -0.000+/-0.000 χ^2/NDF:45.2/37

All: -0.000+/-0.000 χ^2/NDF: 89.5/71



Right In: 0.003+/-0.000 χ^2/NDF: 4152056.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:5845499.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3311178.7/18

Left In: 0.002+/-0.000 χ^2/NDF:8209974.0/17

Left: 0.002+/-0.000 χ^2/NDF: 14896462.7/36

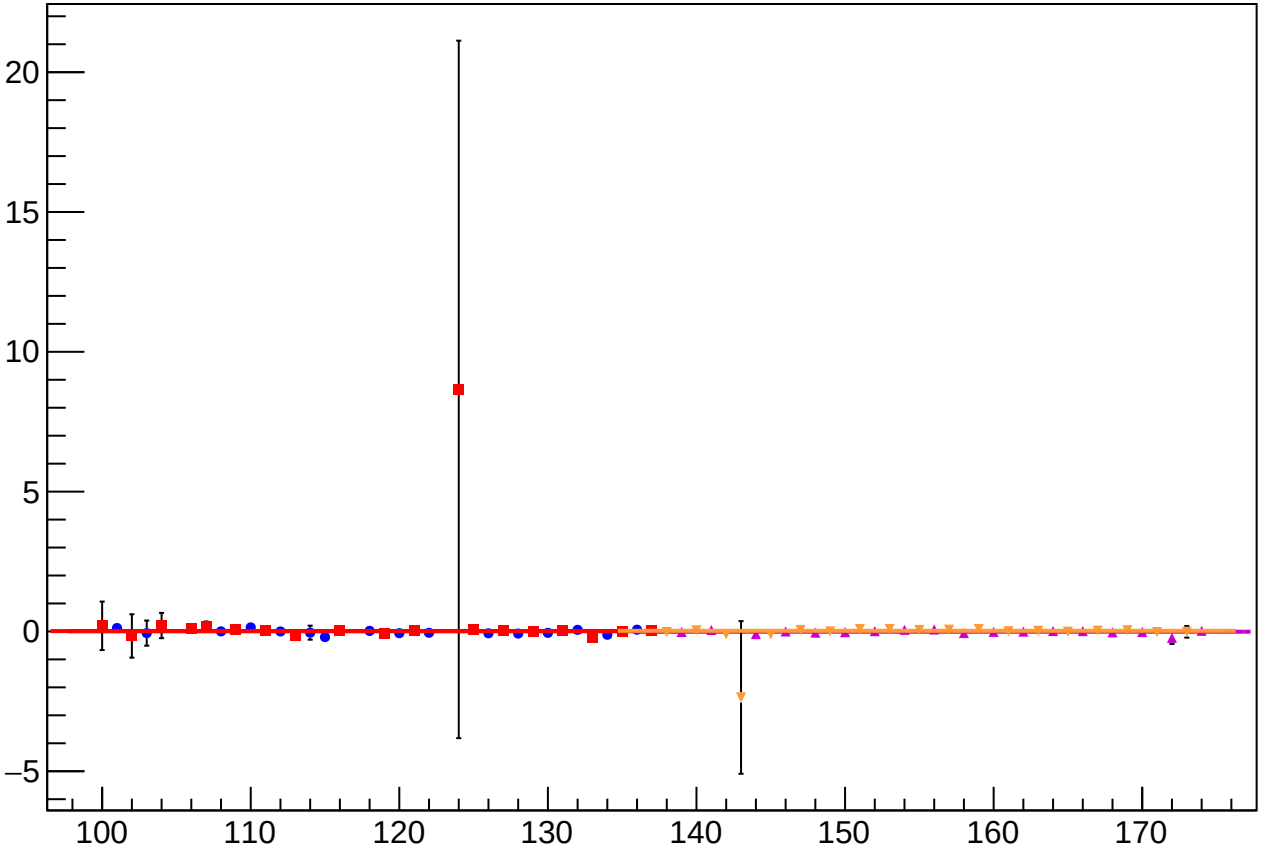
Right: 0.003+/-0.000 χ^2/NDF: 7469105.0/34

In: 0.002+/-0.000 χ^2/NDF:12793951.6/33

Out: 0.003+/-0.000 χ^2/NDF:9174219.6/37

All: 0.003+/-0.000 χ^2/NDF: 22583704.4/71

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

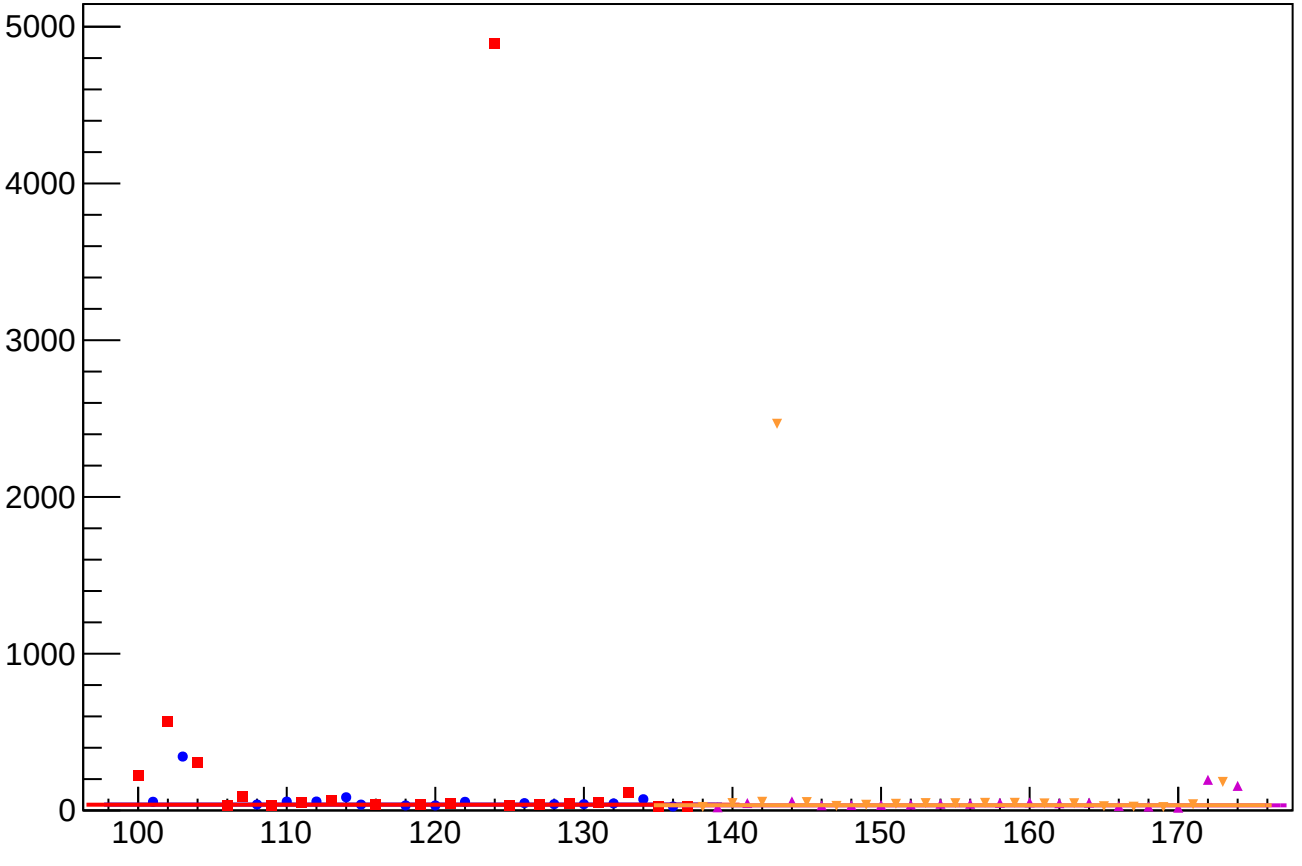
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

Left: 32.968+/-0.005 χ^2/NDF: 9816675.6/36

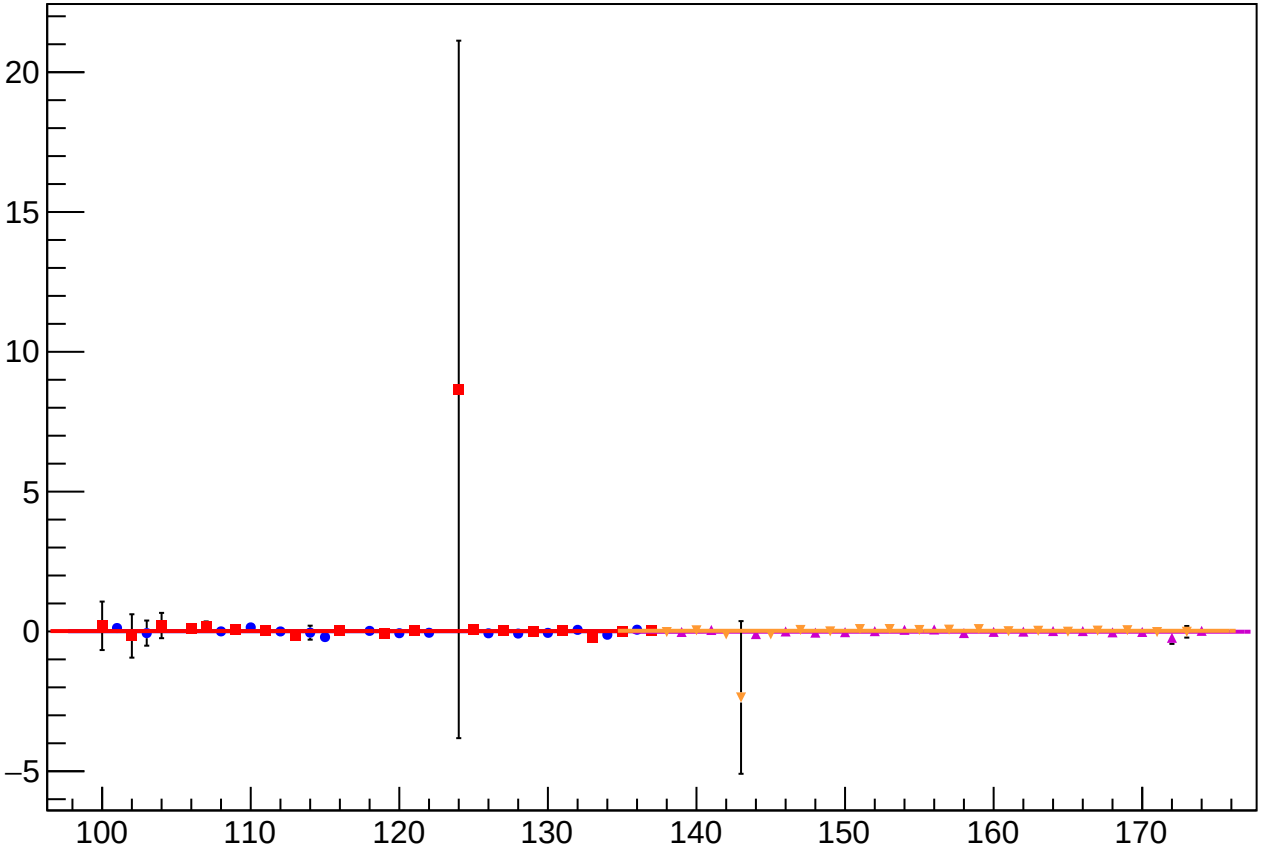
Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 19.3/15

Left Out: 0.023+/-0.010 χ^2/NDF:18.1/18

Right Out: 0.013+/-0.017 χ^2/NDF: 12.6/18

Left In: -0.010+/-0.010 χ^2/NDF:11.9/17

Left: 0.006+/-0.007 χ^2/NDF: 35.4/36

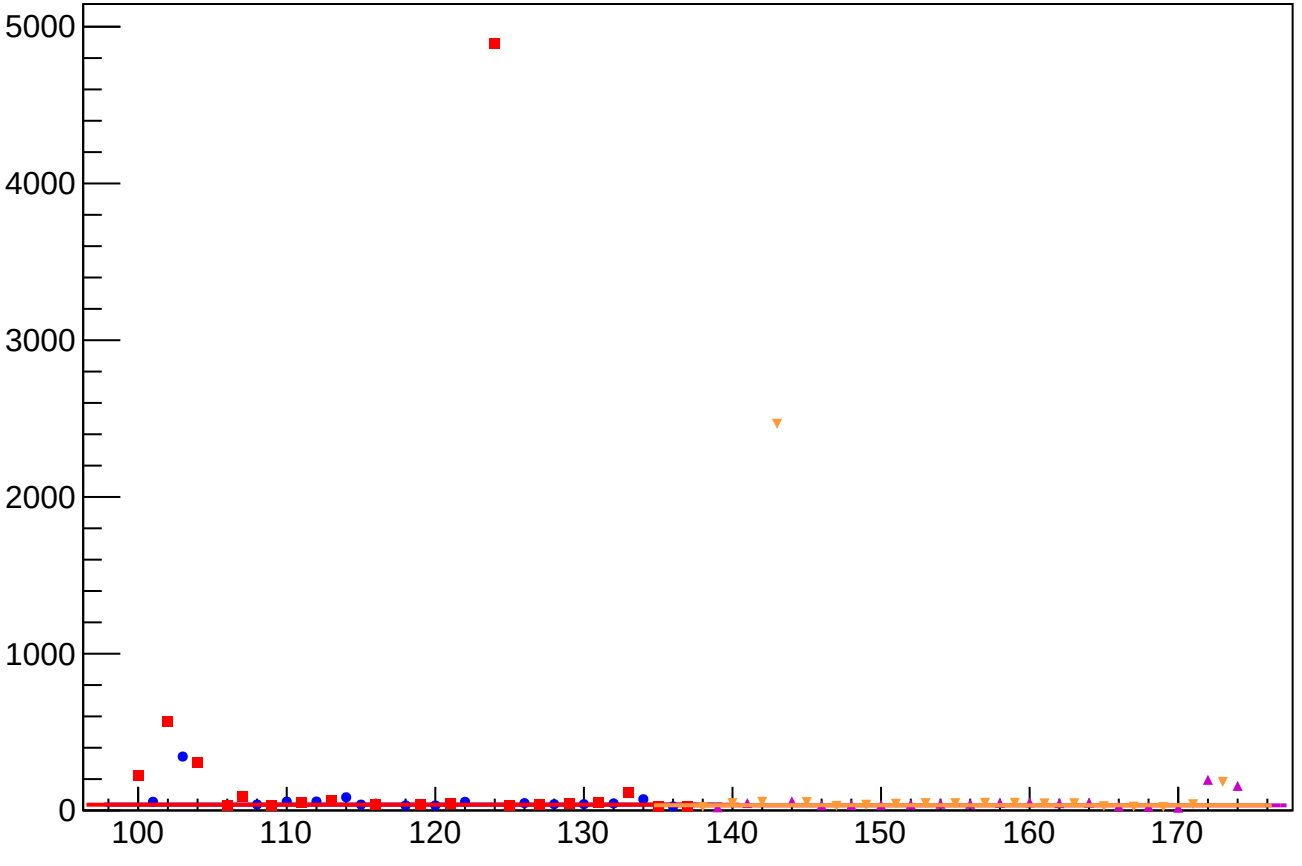
Right: 0.010+/-0.012 χ^2/NDF: 31.9/34

In: -0.005+/-0.008 χ^2/NDF:32.1/33

Out: 0.020+/-0.009 χ^2/NDF:31.0/37

All: 0.007+/-0.006 χ^2/NDF: 67.4/71

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.495+/-0.011 χ^2/NDF: 1983206.3/15

Left Out: 33.335+/-0.007 χ^2/NDF:4999975.4/18

Right Out: 36.769+/-0.012 χ^2/NDF: 3190400.7/18

Left In: 32.621+/-0.007 χ^2/NDF:4811697.3/17

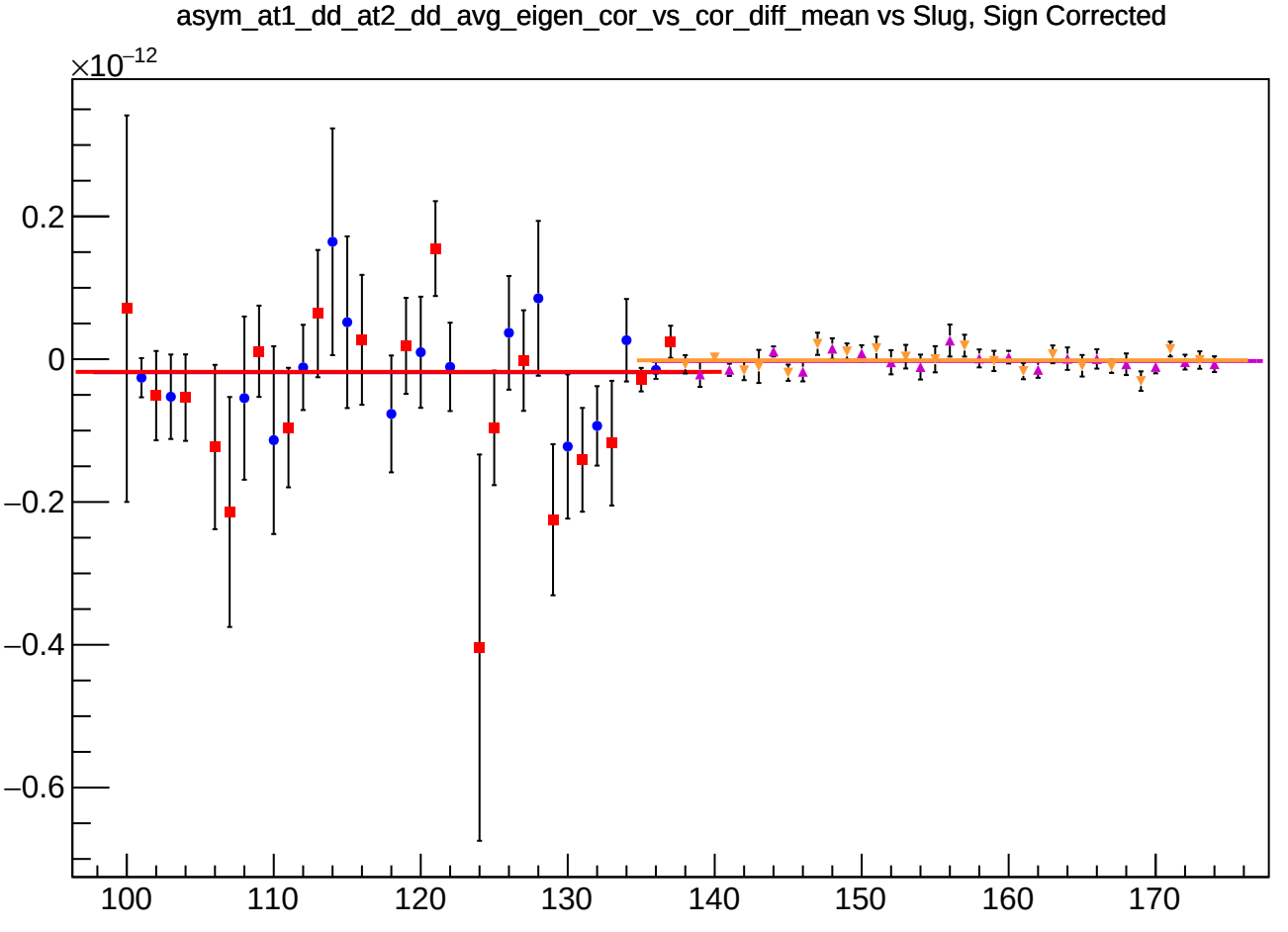
Left: 32.968+/-0.005 χ^2/NDF: 9816675.6/36

Right: 37.144+/-0.008 χ^2/NDF: 5175578.4/34

In: 33.973+/-0.006 χ^2/NDF:6927712.4/33

Out: 34.280+/-0.006 χ^2/NDF:8252266.9/37

All: 34.122+/-0.004 χ^2/NDF: 15181255.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/17

Left: -0.000+/-0.000 χ^2/NDF: 35.6/36

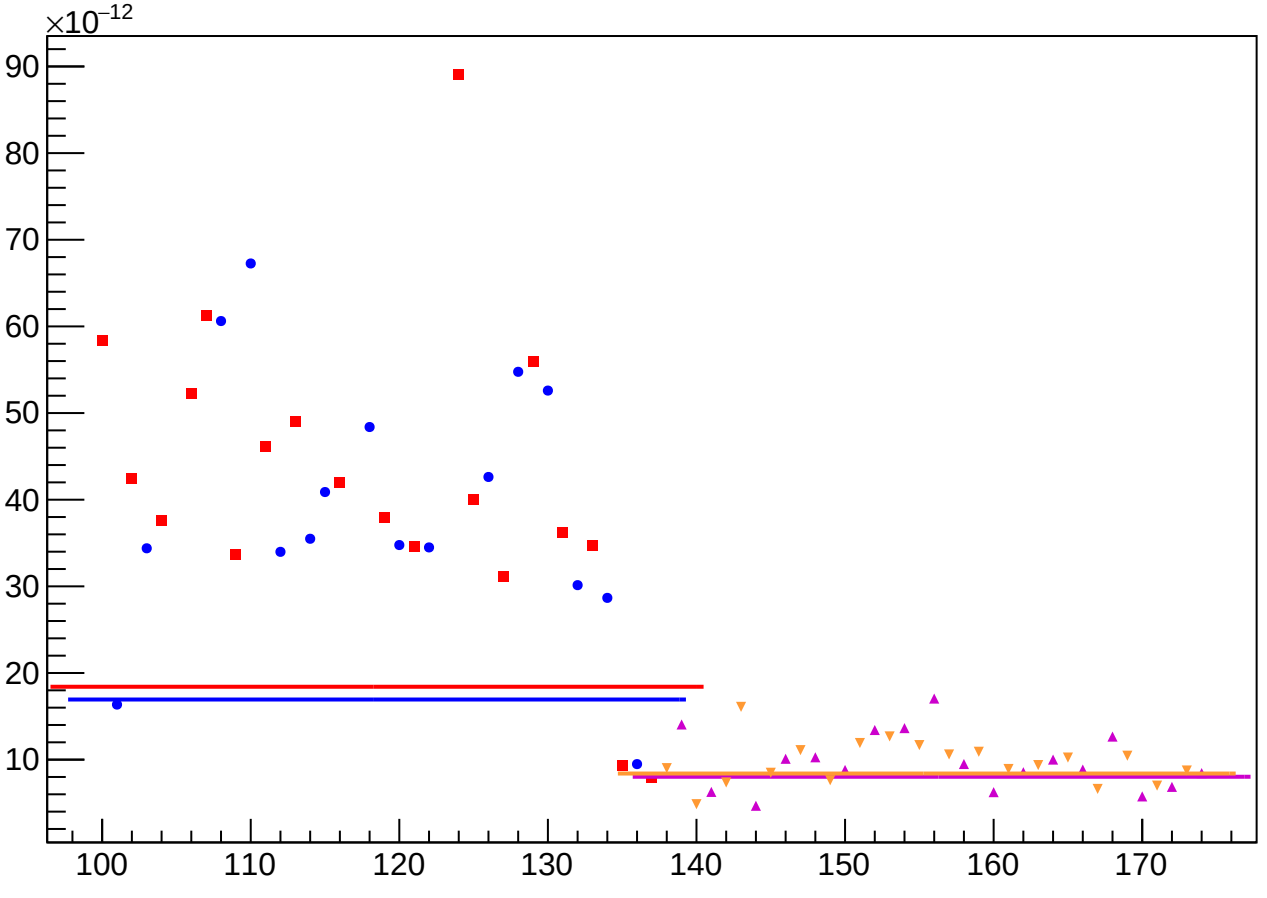
Right: -0.000+/-0.000 χ^2/NDF: 35.6/34

In: -0.000+/-0.000 χ^2/NDF:25.6/33

Out: -0.000+/-0.000 χ^2/NDF:49.8/37

All: -0.000+/-0.000 χ^2/NDF: 75.5/71

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3207856.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1452973.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3674861.8/18

Left In: 0.000+/-0.000 χ^2/NDF:2102767.1/17

Left: 0.000+/-0.000 χ^2/NDF: 3573659.2/36

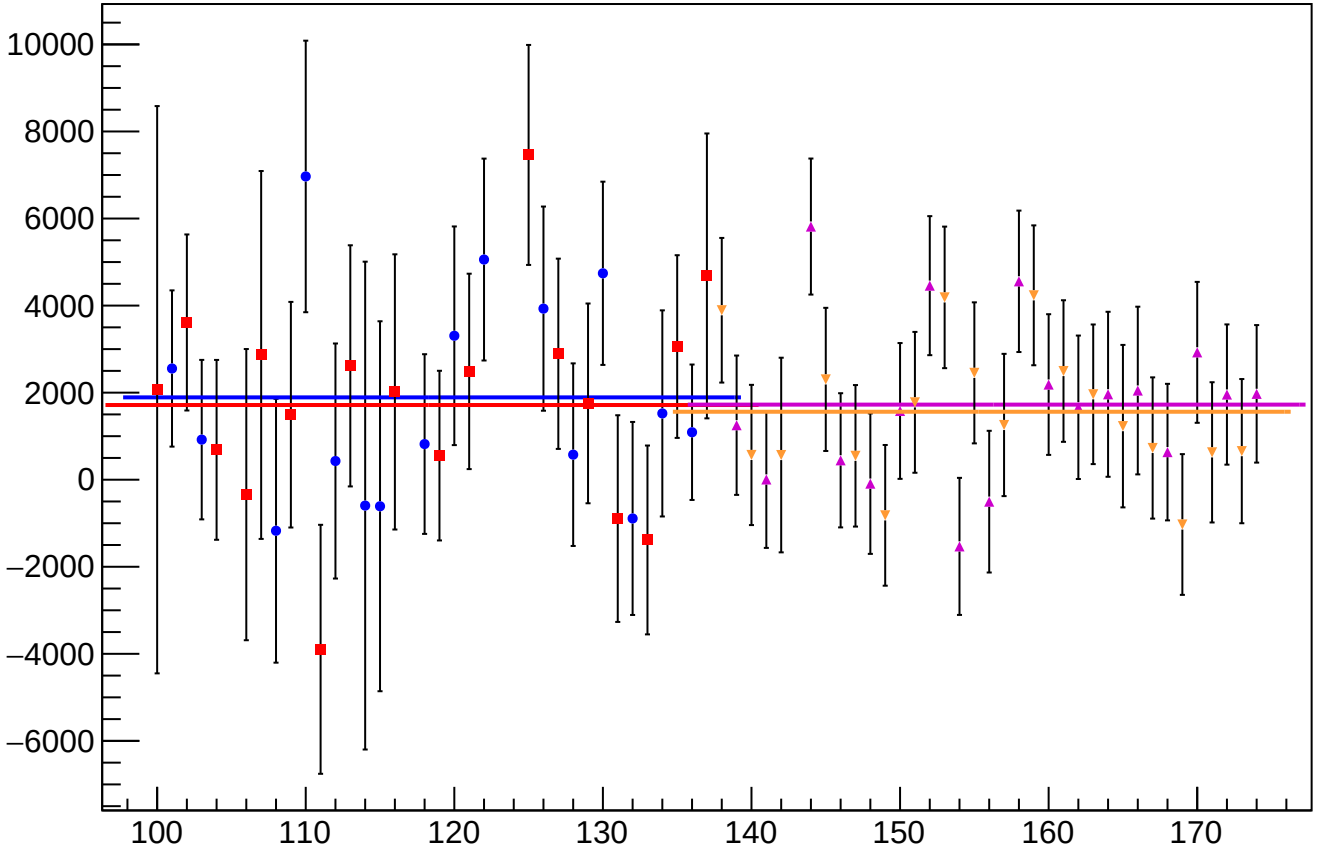
Right: 0.000+/-0.000 χ^2/NDF: 6902390.3/34

In: 0.000+/-0.000 χ^2/NDF:6812973.5/33

Out: 0.000+/-0.000 χ^2/NDF:6669415.5/37

All: 0.000+/-0.000 χ^2/NDF: 13499802.7/71

reg_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 1891.457+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1561.311+/-390.780 χ^2/NDF:14.9/17

Right Out: 1715.909+/-589.518 χ^2/NDF: 16.0/17

Left In: 1725.035+/-382.202 χ^2/NDF:23.4/17

Left: 1644.990+/-273.240 χ^2/NDF: 38.5/35

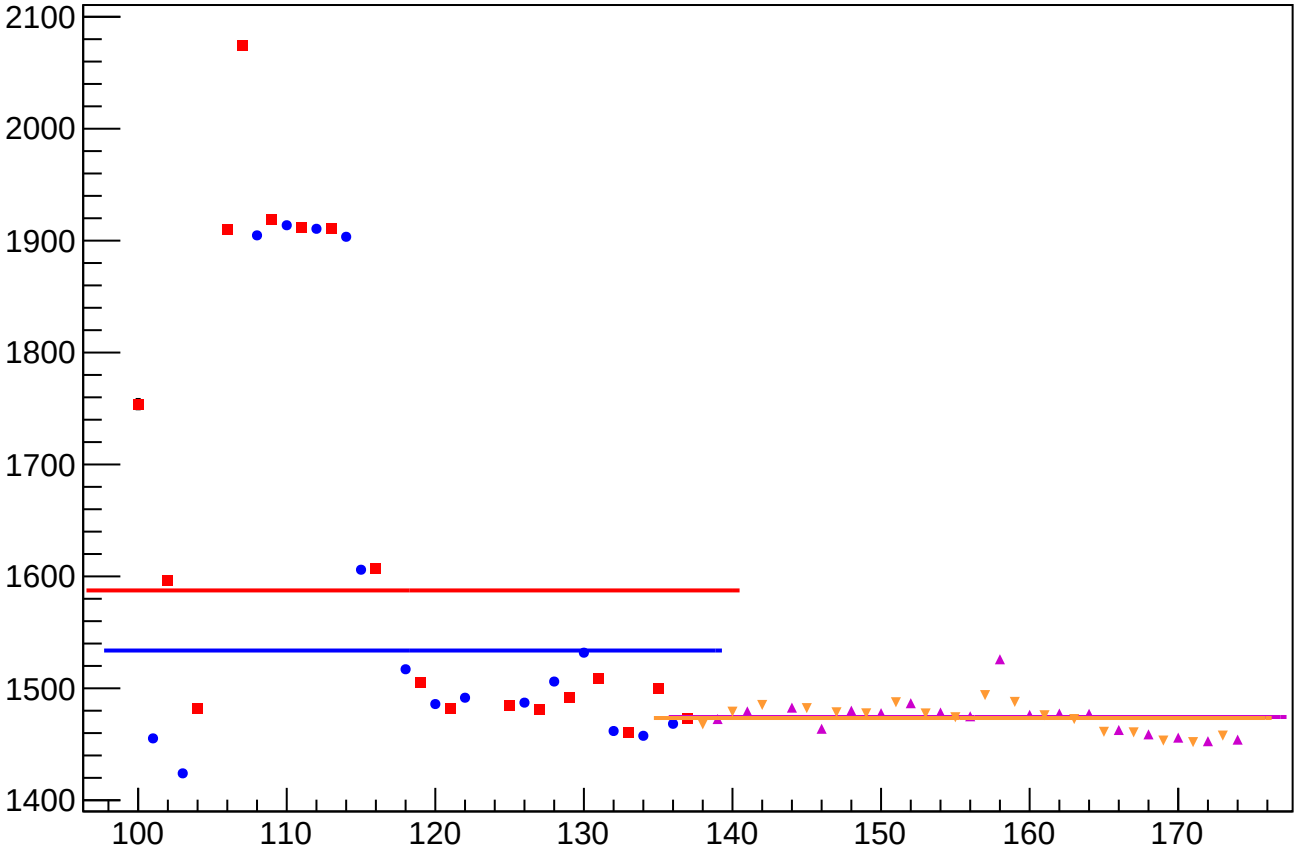
Right: 1806.293+/-410.609 χ^2/NDF: 28.2/33

In: 1776.373+/-317.831 χ^2/NDF:35.7/33

Out: 1608.505+/-325.717 χ^2/NDF:31.0/35

All: 1694.496+/-227.477 χ^2/NDF: 66.8/69

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.6/15

Left Out: 1473.466+/-0.276 χ^2/NDF:1896.9/17

Right Out: 1587.461+/-0.417 χ^2/NDF: 171988.2/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

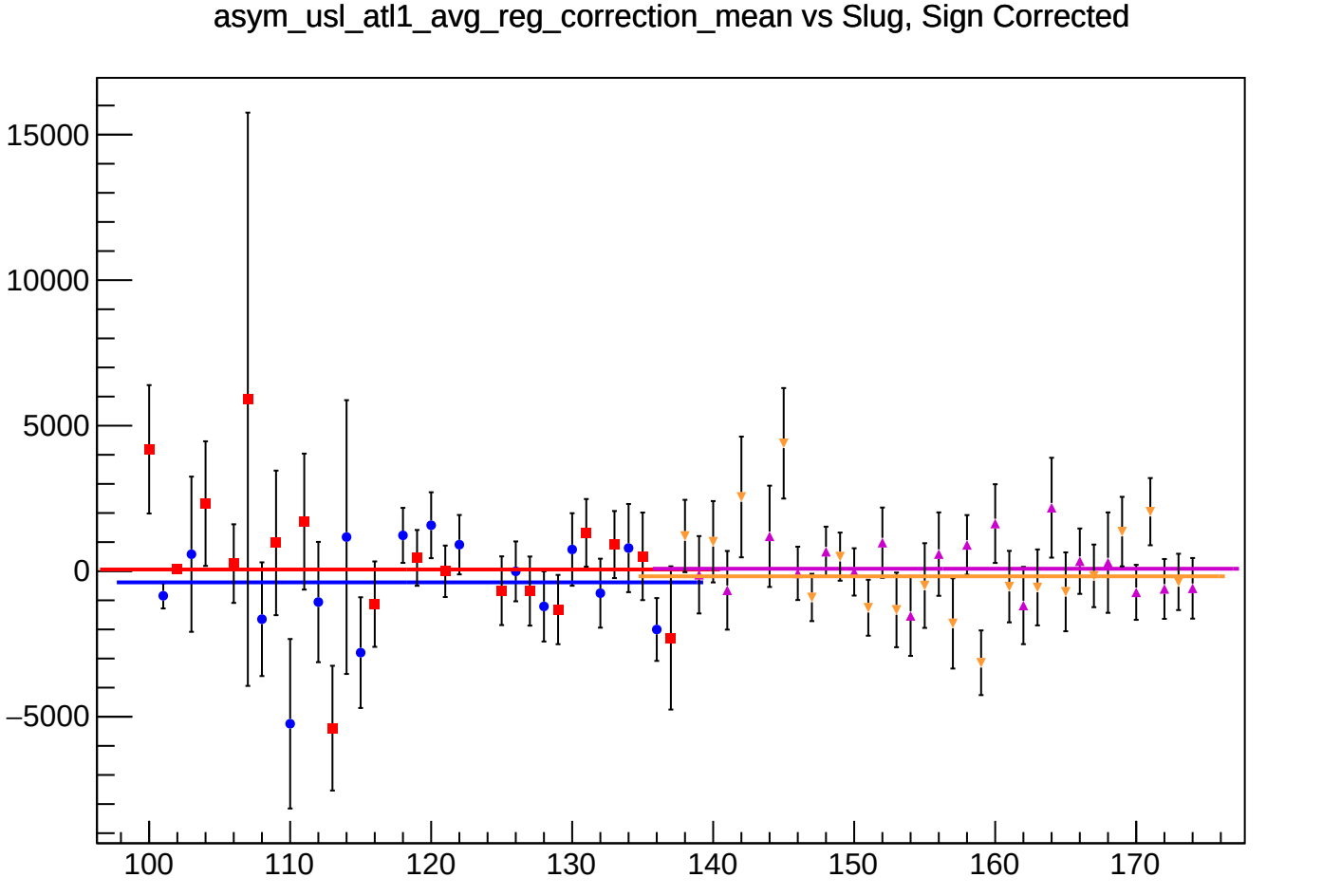
Left: 1473.931+/-0.193 χ^2/NDF: 5489.4/35

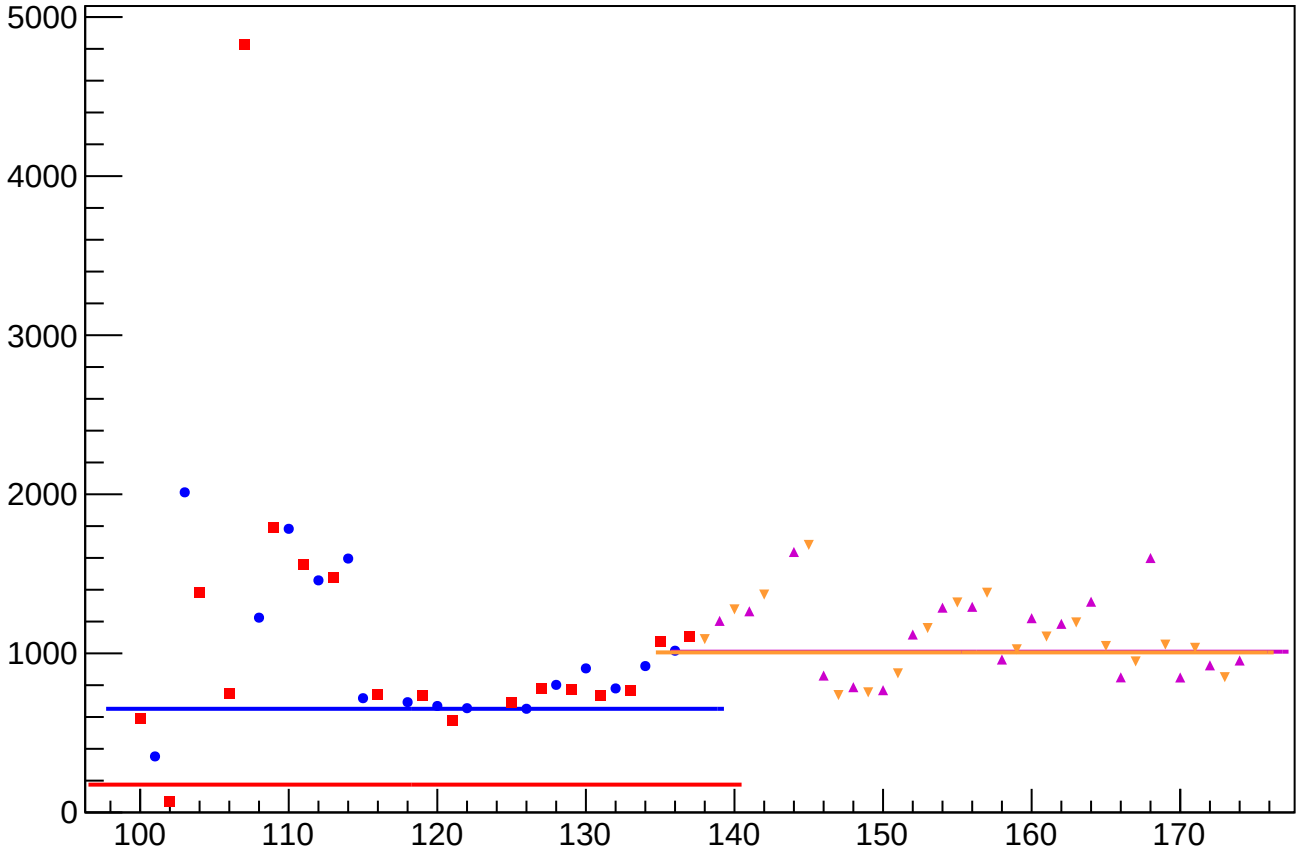
Right: 1559.818+/-0.290 χ^2/NDF: 309801.2/33

In: 1492.698+/-0.225 χ^2/NDF:147757.8/33

Out: 1508.265+/-0.230 χ^2/NDF:225840.2/35

All: 1500.291+/-0.161 χ^2/NDF: 375938.2/69


asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
110
120
130
140
150
160
170
Right In: -382.787+/-272.209 χ²/NDF: 18.2/15
Left Out: -175.310+/-275.066 χ²/NDF:27.0/17
Right Out: 59.970+/-127.700 χ²/NDF: 17.8/17
Left In: 84.766+/-269.889 χ²/NDF:9.3/17
Left: -42.801+/-192.645 χ²/NDF: 36.8/35
Right: -19.895+/-115.611 χ²/NDF: 38.1/33
In: -147.010+/-191.655 χ²/NDF:29.0/33
Out: 18.252+/-115.827 χ²/NDF:45.4/35
All: -25.960+/-99.130 χ²/NDF: 75.0/69



Right In: 651.523+/-0.192 χ^2/NDF: 2762656.2/15

Left Out: 1006.073+/-0.195 χ^2/NDF:1196757.3/17

Right Out: 174.898+/-0.090 χ^2/NDF: 9761228.2/17

Left In: 1010.492+/-0.191 χ^2/NDF:1420179.3/17

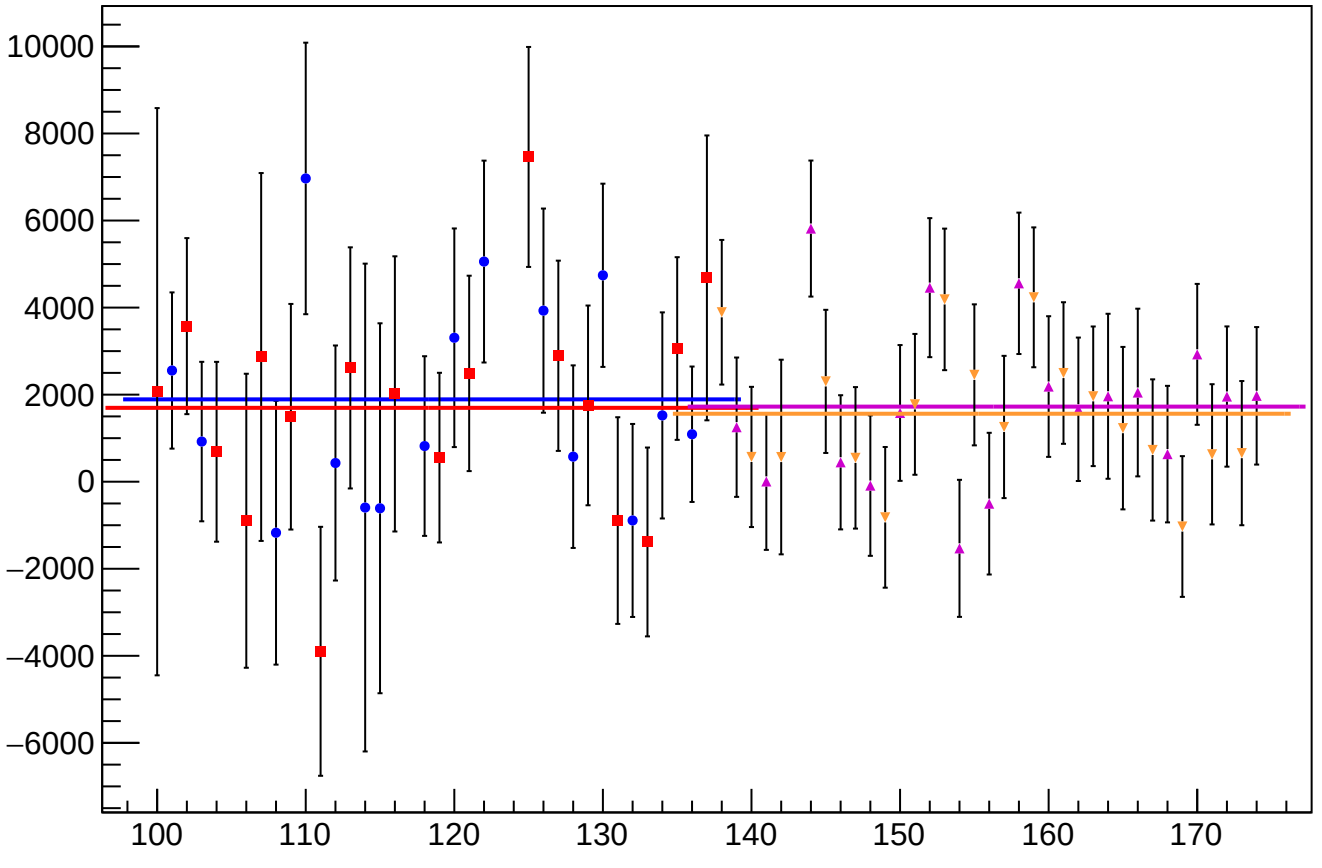
Left: 1008.325+/-0.136 χ^2/NDF: 2617199.6/35

Right: 260.873+/-0.082 χ^2/NDF: 17549506.9/33

In: 832.544+/-0.136 χ^2/NDF:5936758.4/33

Out: 322.278+/-0.082 χ^2/NDF:25981576.9/35

All: 458.788+/-0.070 χ^2/NDF: 42302524.9/69



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1561.304+/-390.780 χ^2/NDF:14.9/17

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1725.111+/-382.202 χ^2/NDF:23.4/17

Left: 1645.025+/-273.240 χ^2/NDF: 38.5/35

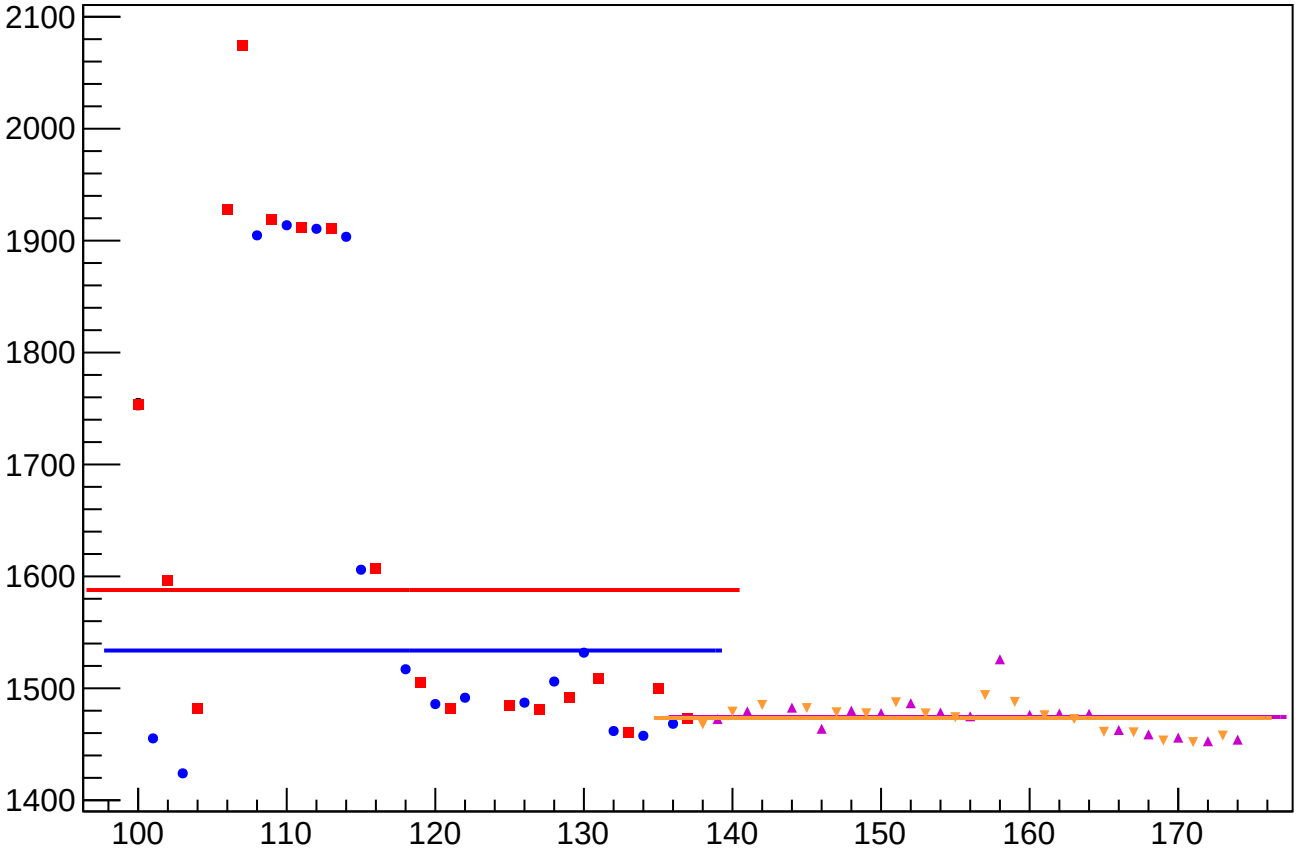
Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1776.458+/-317.831 χ^2/NDF:35.7/33

Out: 1602.707+/-325.747 χ^2/NDF:31.1/35

All: 1691.719+/-227.488 χ^2/NDF: 67.0/69

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.466+/-0.276 χ^2/NDF:1896.9/17

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

Left: 1473.931+/-0.193 χ^2/NDF: 5489.3/35

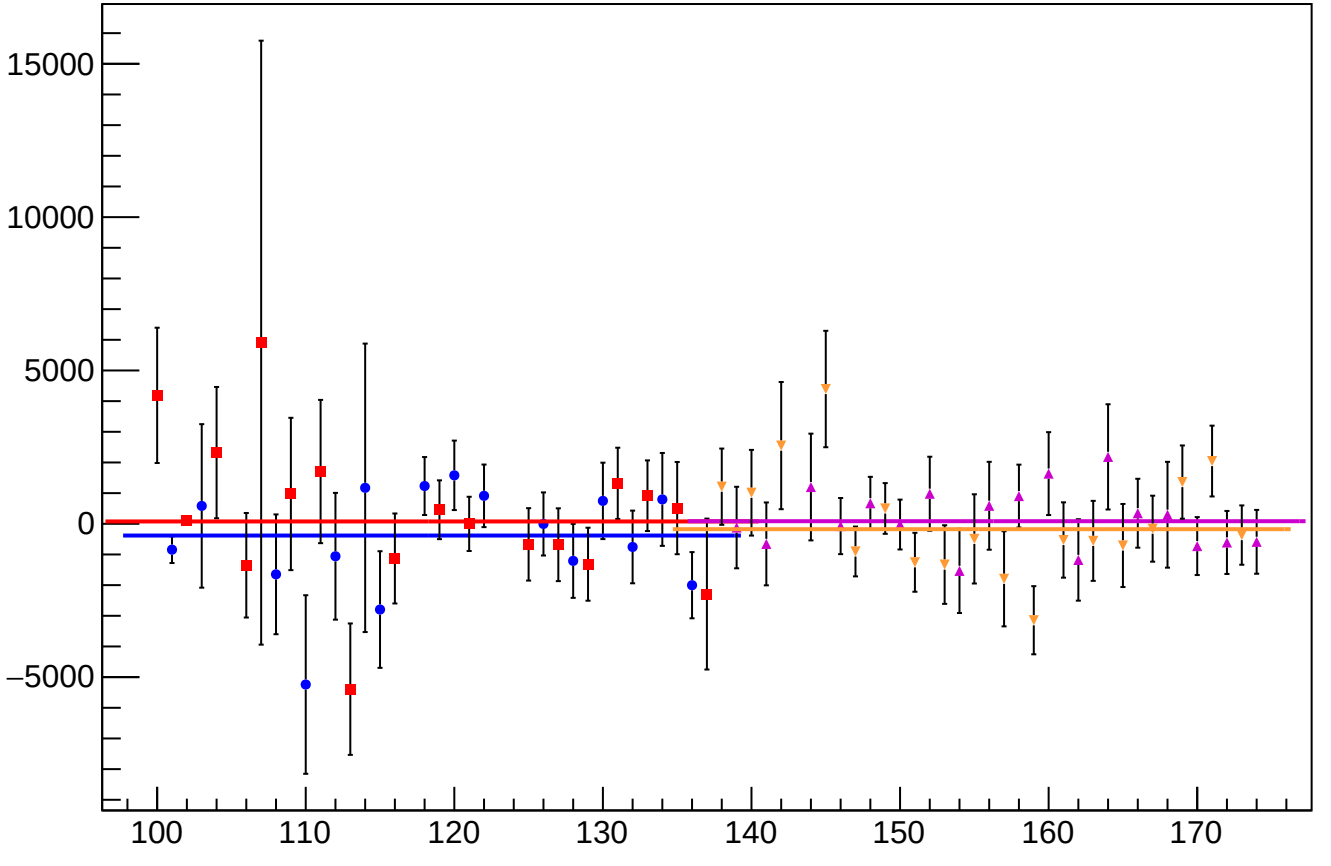
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1492.698+/-0.225 χ^2/NDF:147757.7/33

Out: 1508.368+/-0.230 χ^2/NDF:227948.0/35

All: 1500.340+/-0.161 χ^2/NDF: 378076.6/69

asym_usl_atl1_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -175.316+/-275.067 χ^2/NDF:27.0/17

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 84.824+/-269.890 χ^2/NDF:9.3/17

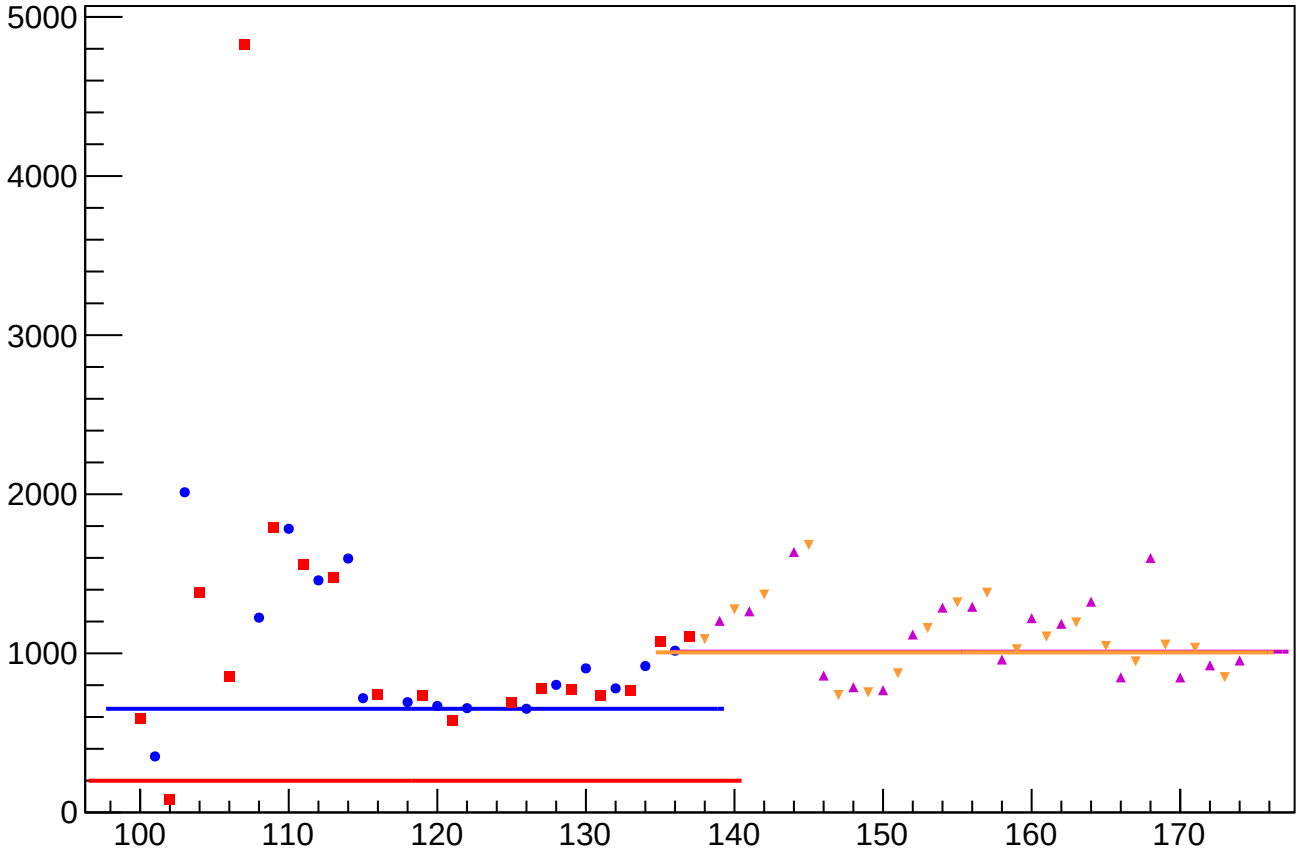
Left: -42.775+/-192.645 χ^2/NDF: 36.8/35

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -146.968+/-191.656 χ^2/NDF:29.0/33

Out: 25.986+/-123.445 χ^2/NDF:46.2/35

All: -24.727+/-103.781 χ^2/NDF: 75.8/69



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1006.076+/-0.195 χ^2/NDF:1196773.9/17

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

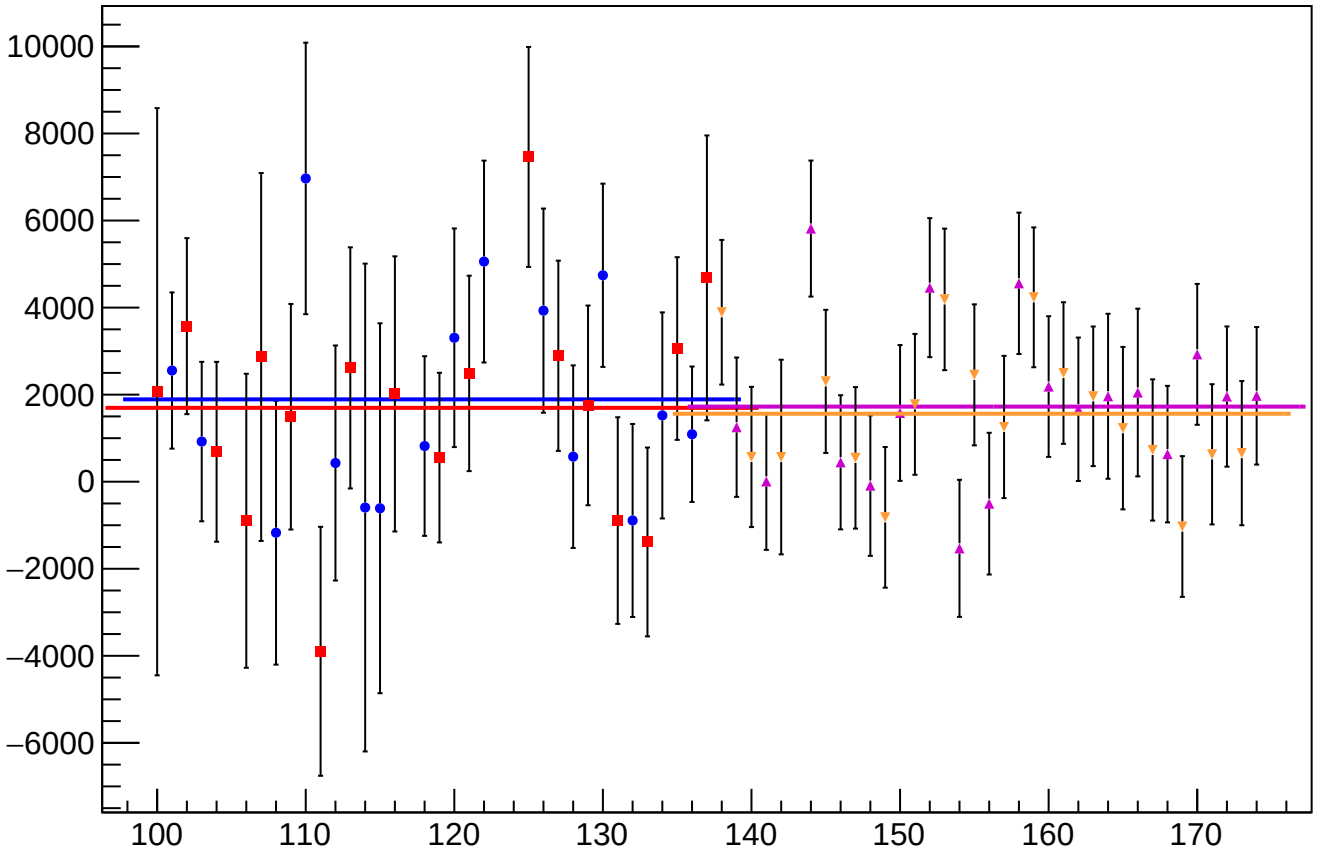
Left: 1008.326+/-0.136 χ^2/NDF: 2617306.7/35

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 832.543+/-0.136 χ^2/NDF:5936893.3/33

Out: 361.824+/-0.087 χ^2/NDF:24220036.8/35

All: 499.847+/-0.073 χ^2/NDF: 38683929.8/69



Right In: 1891.562+/-572.244 χ^2/NDF: 12.2/15

Left Out: 1561.304+/-390.780 χ^2/NDF:14.9/17

Right Out: 1696.987+/-589.699 χ^2/NDF: 16.2/17

Left In: 1725.111+/-382.202 χ^2/NDF:23.4/17

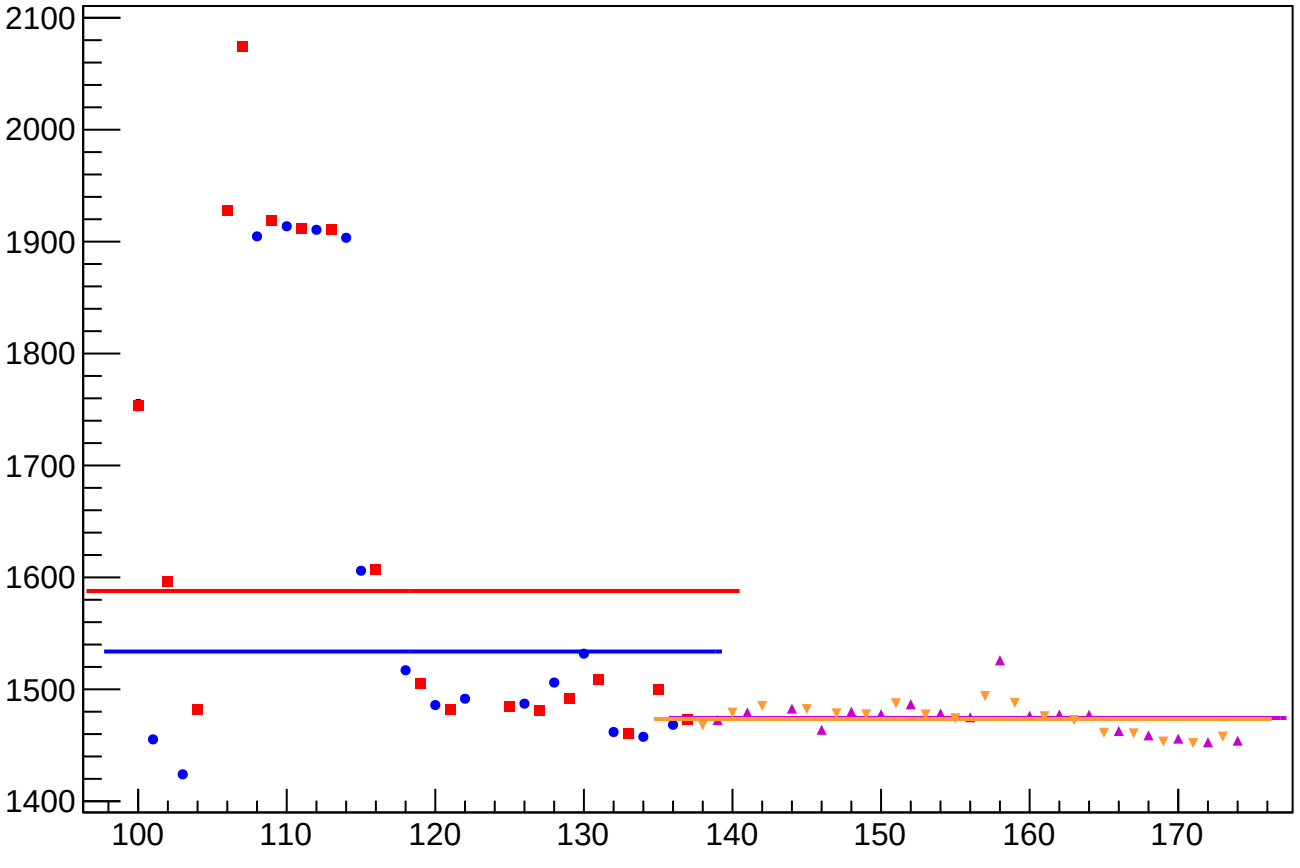
Left: 1645.025+/-273.240 χ^2/NDF: 38.5/35

Right: 1797.197+/-410.670 χ^2/NDF: 28.4/33

In: 1776.458+/-317.831 χ^2/NDF:35.7/33

Out: 1602.707+/-325.747 χ^2/NDF:31.1/35

All: 1691.719+/-227.488 χ^2/NDF: 67.0/69



Right In: 1533.771+/-0.405 χ^2/NDF: 129271.5/15

Left Out: 1473.466+/-0.276 χ^2/NDF:1896.9/17

Right Out: 1587.846+/-0.417 χ^2/NDF: 173766.9/17

Left In: 1474.376+/-0.270 χ^2/NDF:3586.9/17

Left: 1473.931+/-0.193 χ^2/NDF: 5489.3/35

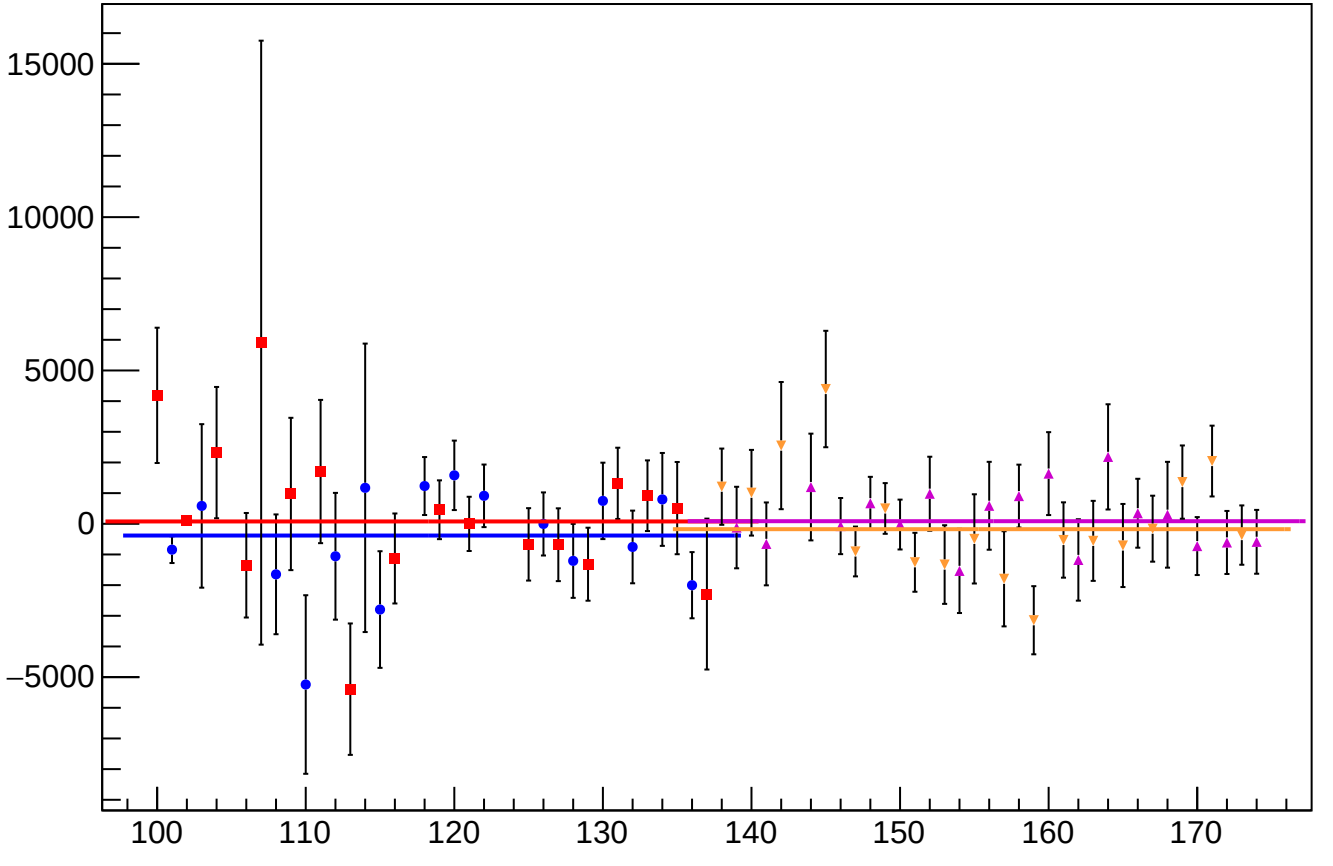
Right: 1559.996+/-0.290 χ^2/NDF: 311699.9/33

In: 1492.698+/-0.225 χ^2/NDF:147757.7/33

Out: 1508.368+/-0.230 χ^2/NDF:227948.0/35

All: 1500.340+/-0.161 χ^2/NDF: 378076.6/69

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -382.761+/-272.209 χ^2/NDF: 18.2/15

Left Out: -175.316+/-275.067 χ^2/NDF:27.0/17

Right Out: 76.754+/-138.137 χ^2/NDF: 18.5/17

Left In: 84.824+/-269.890 χ^2/NDF:9.3/17

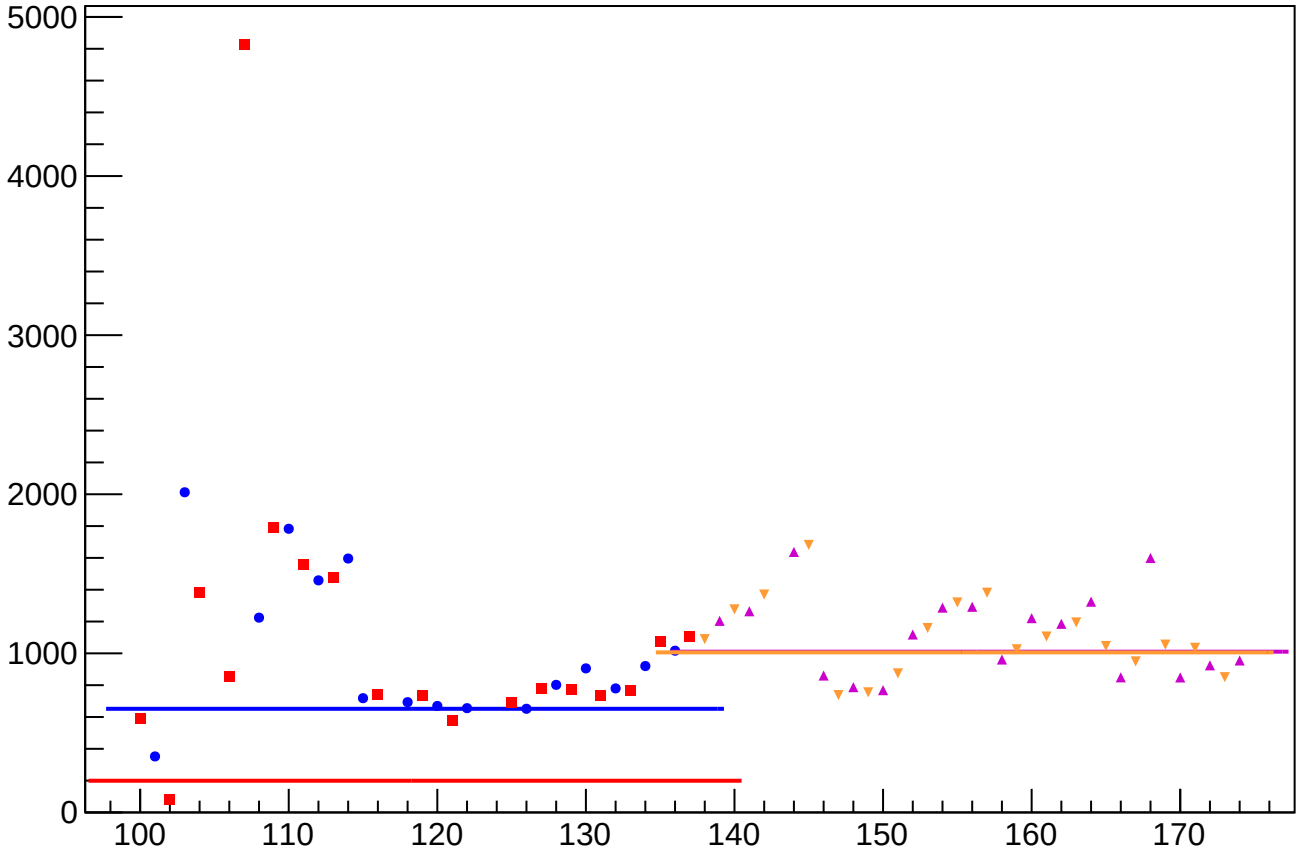
Left: -42.775+/-192.645 χ^2/NDF: 36.8/35

Right: -17.348+/-123.184 χ^2/NDF: 38.9/33

In: -146.968+/-191.656 χ^2/NDF:29.0/33

Out: 25.986+/-123.445 χ^2/NDF:46.2/35

All: -24.727+/-103.781 χ^2/NDF: 75.8/69



Right In: 651.521+/-0.192 χ^2/NDF: 2762681.5/15

Left Out: 1006.076+/-0.195 χ^2/NDF:1196773.9/17

Right Out: 199.344+/-0.098 χ^2/NDF: 9284792.6/17

Left In: 1010.493+/-0.191 χ^2/NDF:1420270.0/17

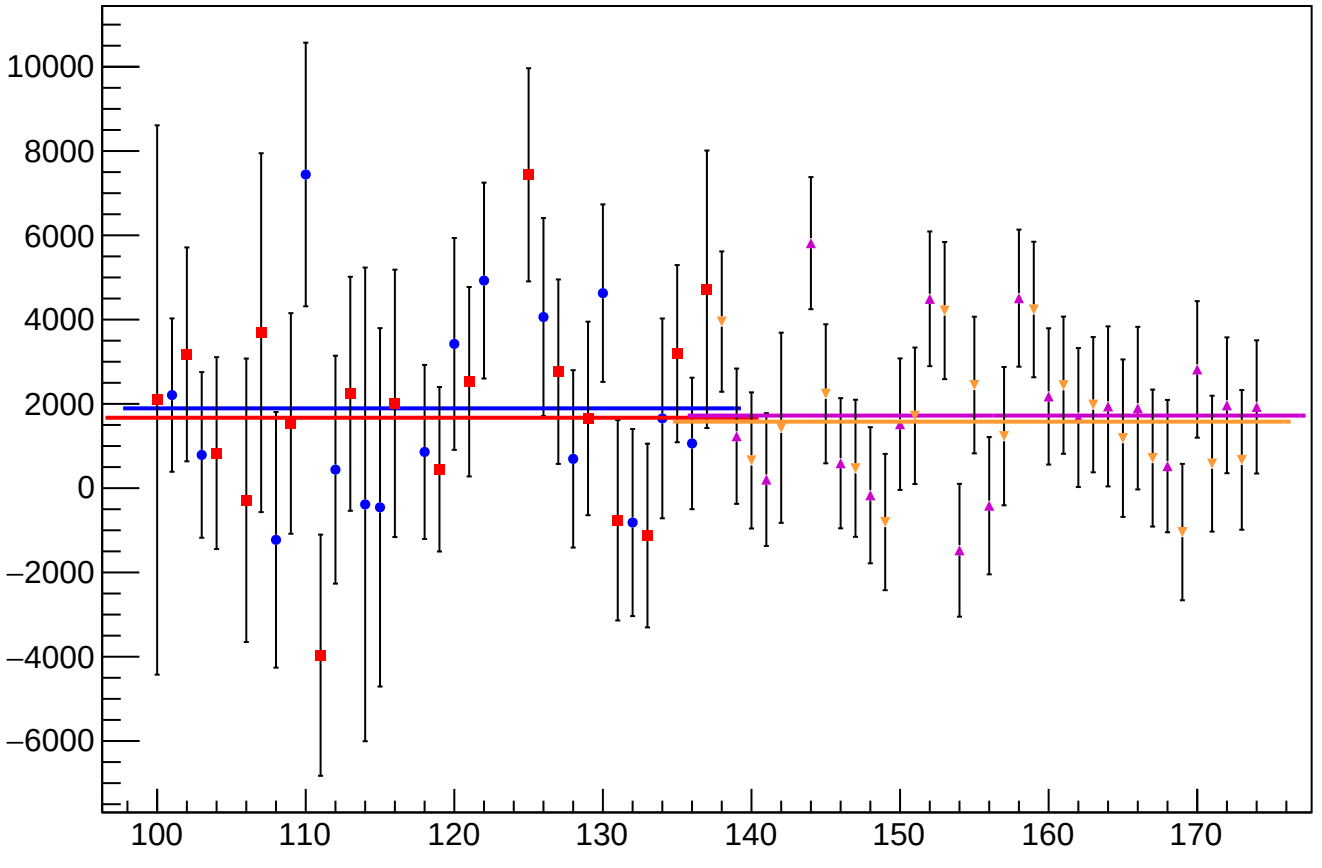
Left: 1008.326+/-0.136 χ^2/NDF: 2617306.7/35

Right: 291.943+/-0.087 χ^2/NDF: 16436092.9/33

In: 832.543+/-0.136 χ^2/NDF:5936893.3/33

Out: 361.824+/-0.087 χ^2/NDF:24220036.8/35

All: 499.847+/-0.073 χ^2/NDF: 38683929.8/69



Right In: 1894.171+/-577.631 χ^2/NDF: 12.3/15

Left Out: 1577.975+/-391.431 χ^2/NDF:14.8/17

Right Out: 1670.933+/-604.838 χ^2/NDF: 15.0/17

Left In: 1722.240+/-382.721 χ^2/NDF:22.7/17

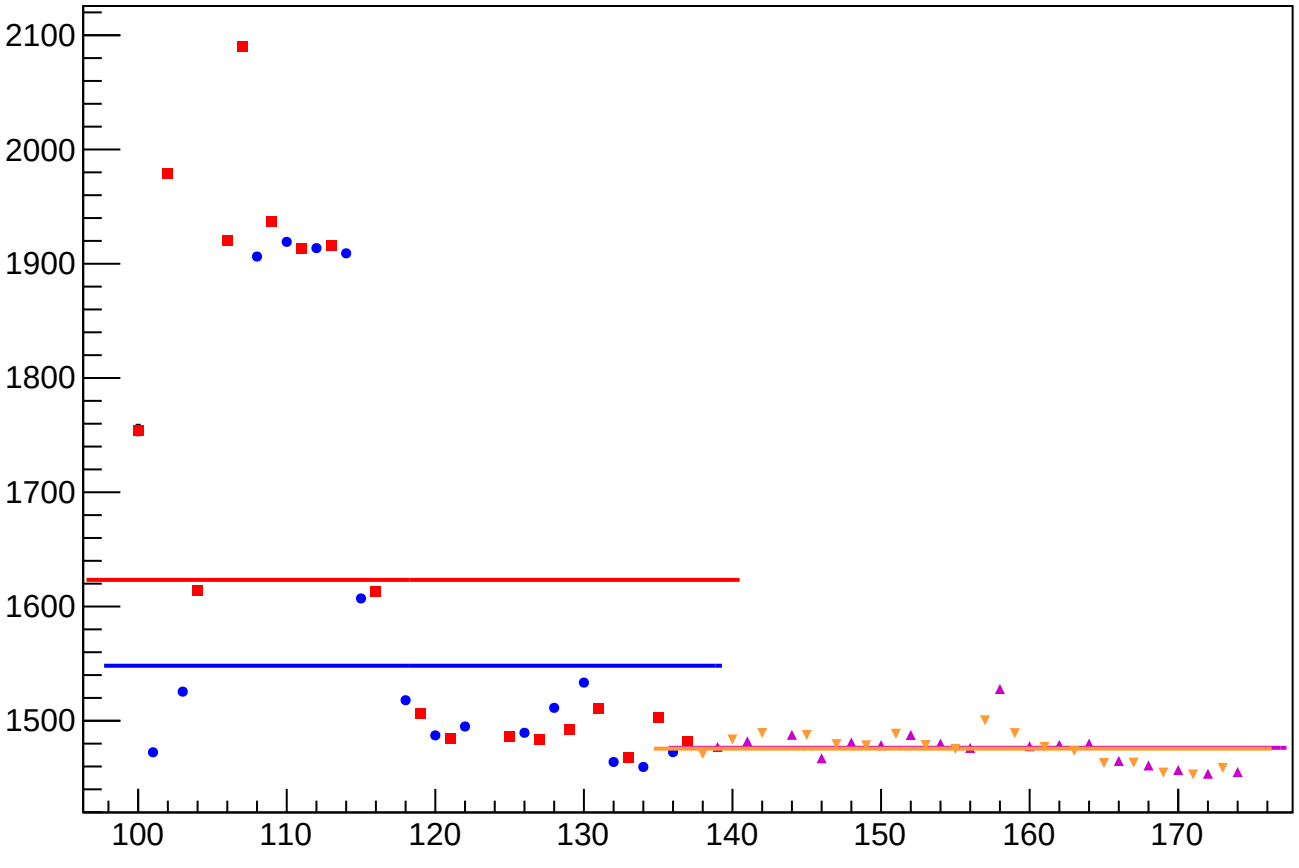
Left: 1651.730+/-273.652 χ^2/NDF: 37.6/35

Right: 1787.686+/-417.734 χ^2/NDF: 27.4/33

In: 1774.692+/-319.045 χ^2/NDF:35.1/33

Out: 1605.415+/-328.618 χ^2/NDF:29.9/35

All: 1692.555+/-228.908 χ^2/NDF: 65.1/69



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.3/15

Left Out: 1475.620+/-0.277 χ^2/NDF:2141.7/17

Right Out: 1623.331+/-0.428 χ^2/NDF: 211534.0/17

Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

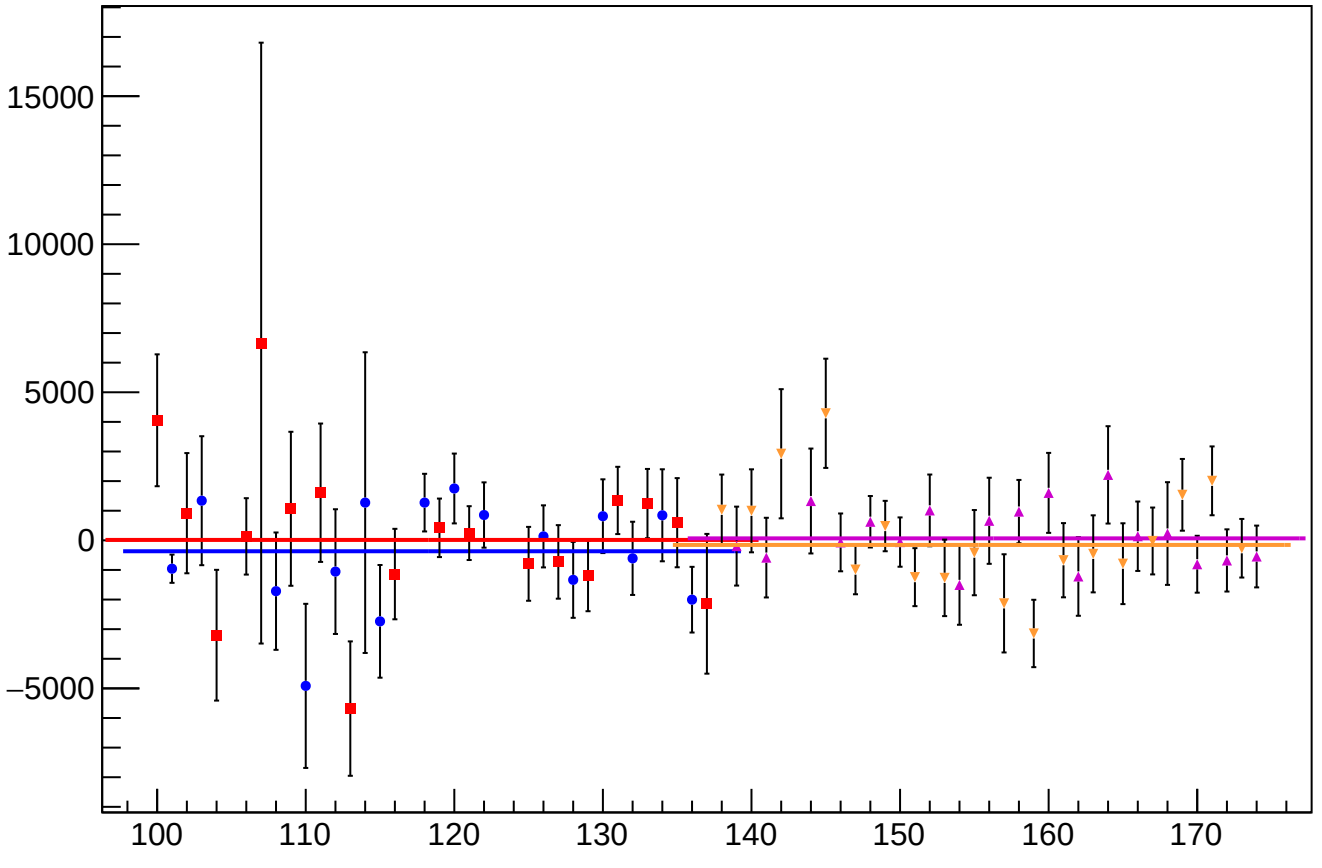
Left: 1475.996+/-0.194 χ^2/NDF: 5805.8/35

Right: 1584.024+/-0.295 χ^2/NDF: 347589.8/33

In: 1498.266+/-0.226 χ^2/NDF:145050.5/33

Out: 1519.223+/-0.232 χ^2/NDF:297747.1/35

All: 1508.435+/-0.162 χ^2/NDF: 446984.7/69



Right In: -368.708+/-286.577 χ^2/NDF: 18.9/15

Left Out: -155.288+/-279.573 χ^2/NDF:27.3/17

Right Out: 13.729+/-341.569 χ^2/NDF: 19.1/17

Left In: 66.103+/-274.344 χ^2/NDF:9.7/17

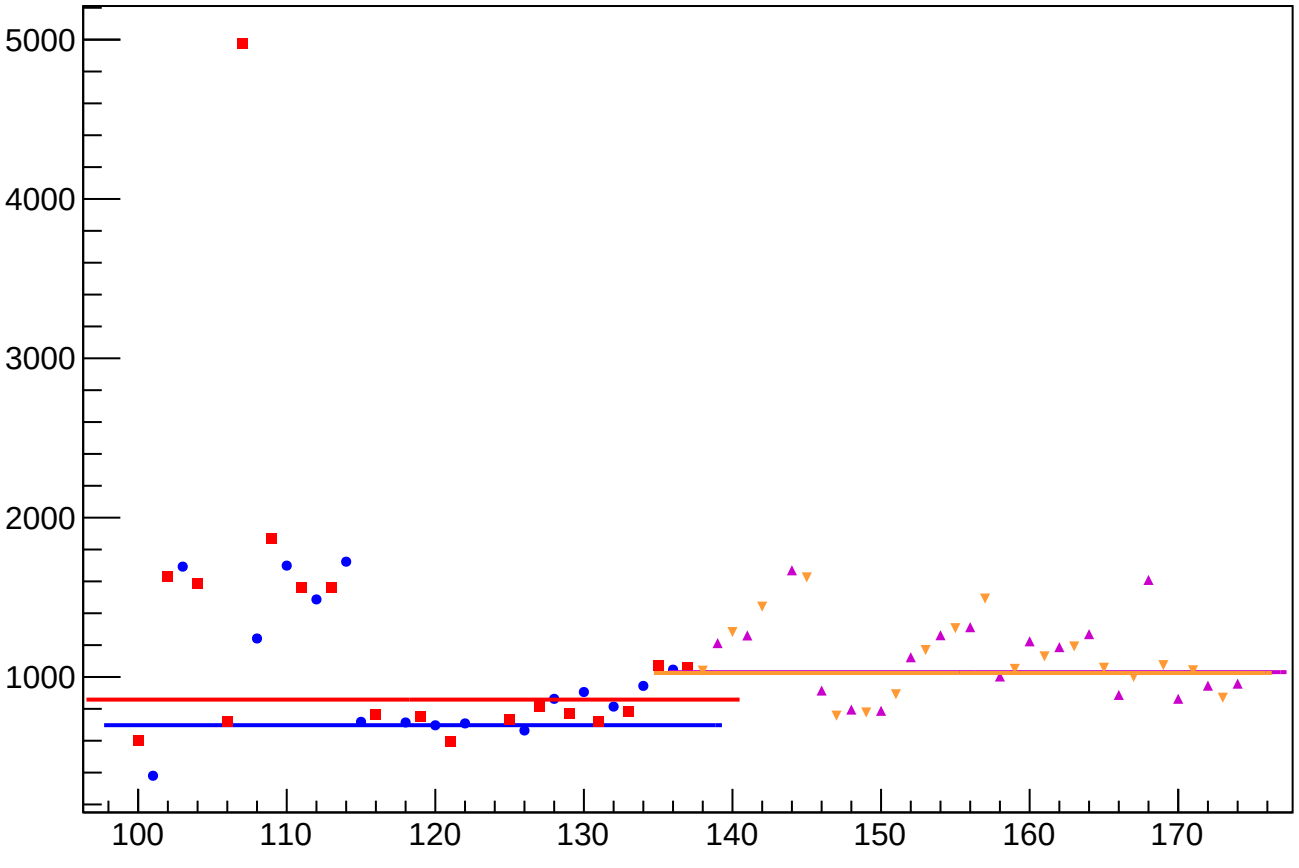
Left: -42.503+/-195.813 χ^2/NDF: 37.3/35

Right: -210.716+/-219.541 χ^2/NDF: 38.7/33

In: -141.825+/-198.174 χ^2/NDF:29.8/33

Out: -87.483+/-216.344 χ^2/NDF:46.5/35

All: -117.031+/-146.132 χ^2/NDF: 76.3/69



Right In: 697.517+/-0.203 χ^2/NDF: 2435601.0/15

Left Out: 1025.051+/-0.198 χ^2/NDF:1128045.3/17

Right Out: 858.095+/-0.242 χ^2/NDF: 1882164.5/17

Left In: 1030.459+/-0.194 χ^2/NDF:1295095.7/17

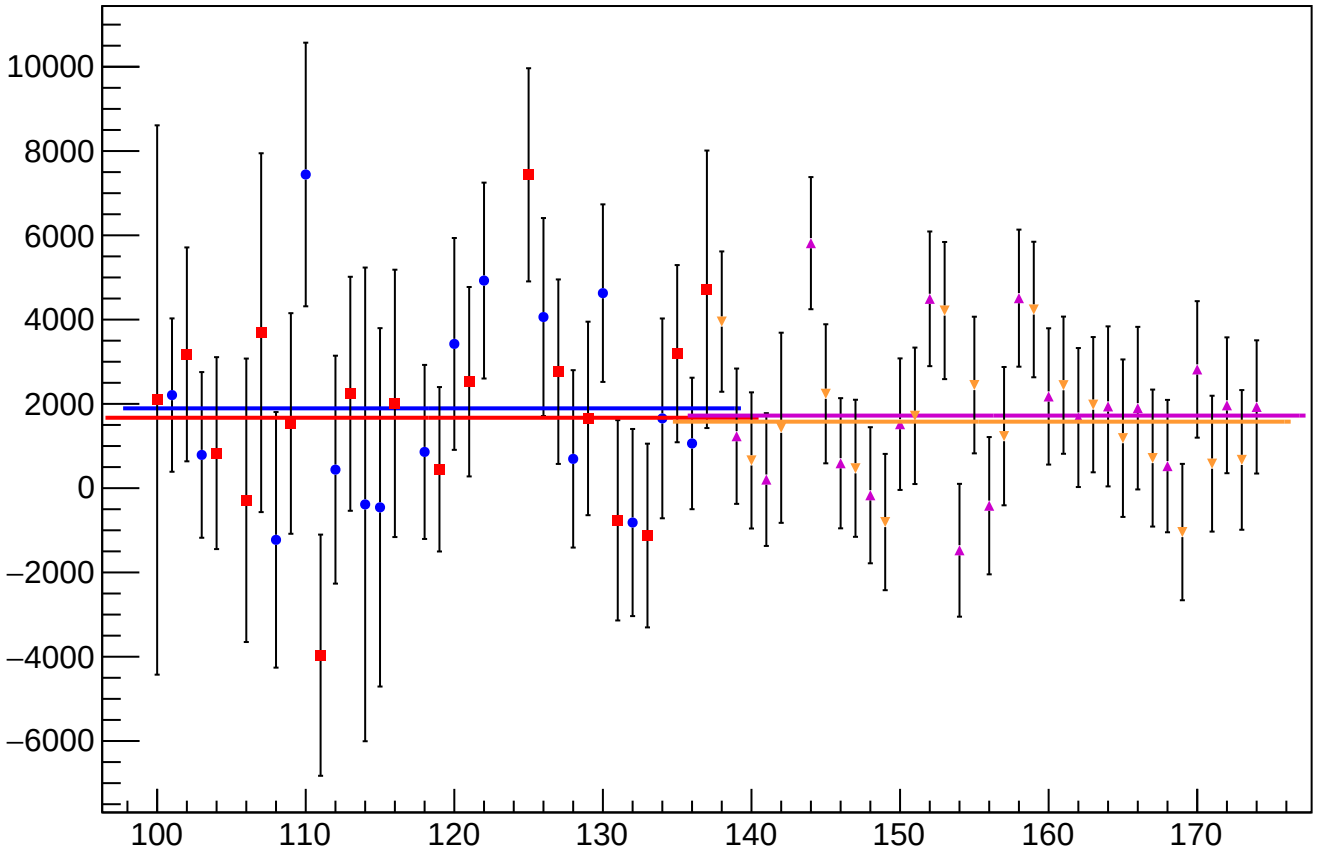
Left: 1027.806+/-0.138 χ^2/NDF: 2423522.3/35

Right: 763.855+/-0.155 χ^2/NDF: 4577183.5/33

In: 871.245+/-0.140 χ^2/NDF:5139302.5/33

Out: 958.073+/-0.153 χ^2/NDF:3296348.3/35

All: 910.860+/-0.103 χ^2/NDF: 8610818.8/69



Right In: 1894.169+/-577.630 χ^2/NDF: 12.3/15

Left Out: 1577.973+/-391.431 χ^2/NDF:14.8/17

Right Out: 1670.931+/-604.838 χ^2/NDF: 15.0/17

Left In: 1722.241+/-382.721 χ^2/NDF:22.7/17

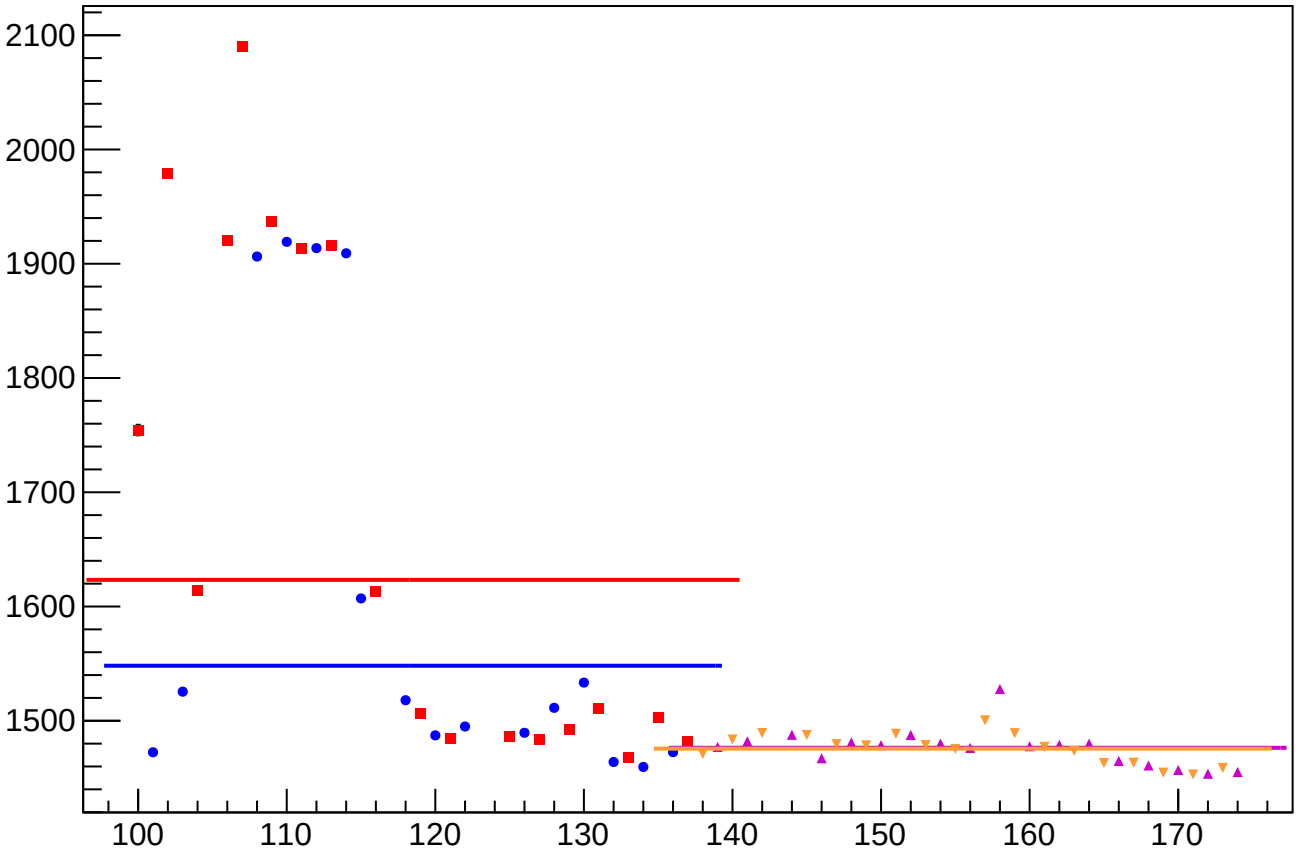
Left: 1651.730+/-273.652 χ^2/NDF: 37.6/35

Right: 1787.684+/-417.734 χ^2/NDF: 27.4/33

In: 1774.692+/-319.045 χ^2/NDF:35.1/33

Out: 1605.413+/-328.618 χ^2/NDF:29.9/35

All: 1692.554+/-228.908 χ^2/NDF: 65.1/69



Right In: 1548.174+/-0.408 χ^2/NDF: 119905.4/15

Left Out: 1475.620+/-0.277 χ^2/NDF:2141.7/17

Right Out: 1623.330+/-0.428 χ^2/NDF: 211533.9/17

Left In: 1476.356+/-0.271 χ^2/NDF:3660.5/17

Left: 1475.996+/-0.194 χ^2/NDF: 5805.8/35

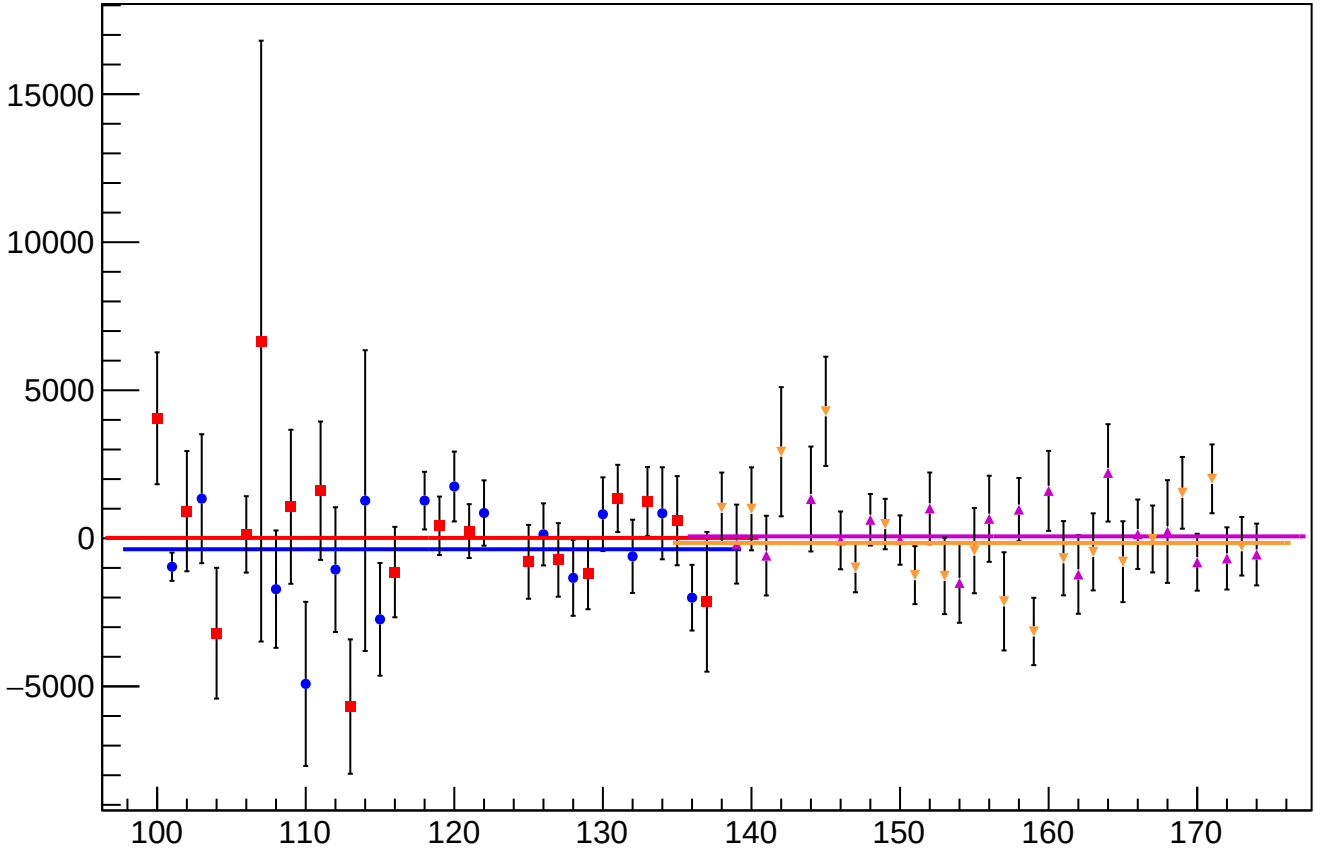
Right: 1584.024+/-0.295 χ^2/NDF: 347589.7/33

In: 1498.266+/-0.226 χ^2/NDF:145050.4/33

Out: 1519.223+/-0.232 χ^2/NDF:297746.6/35

All: 1508.435+/-0.162 χ^2/NDF: 446984.1/69

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -368.707+/-286.576 χ^2/NDF: 18.9/15

Left Out: -155.291+/-279.573 χ^2/NDF:27.3/17

Right Out: 13.730+/-341.568 χ^2/NDF: 19.1/17

Left In: 66.104+/-274.345 χ^2/NDF:9.7/17

Left: -42.504+/-195.814 χ^2/NDF: 37.3/35

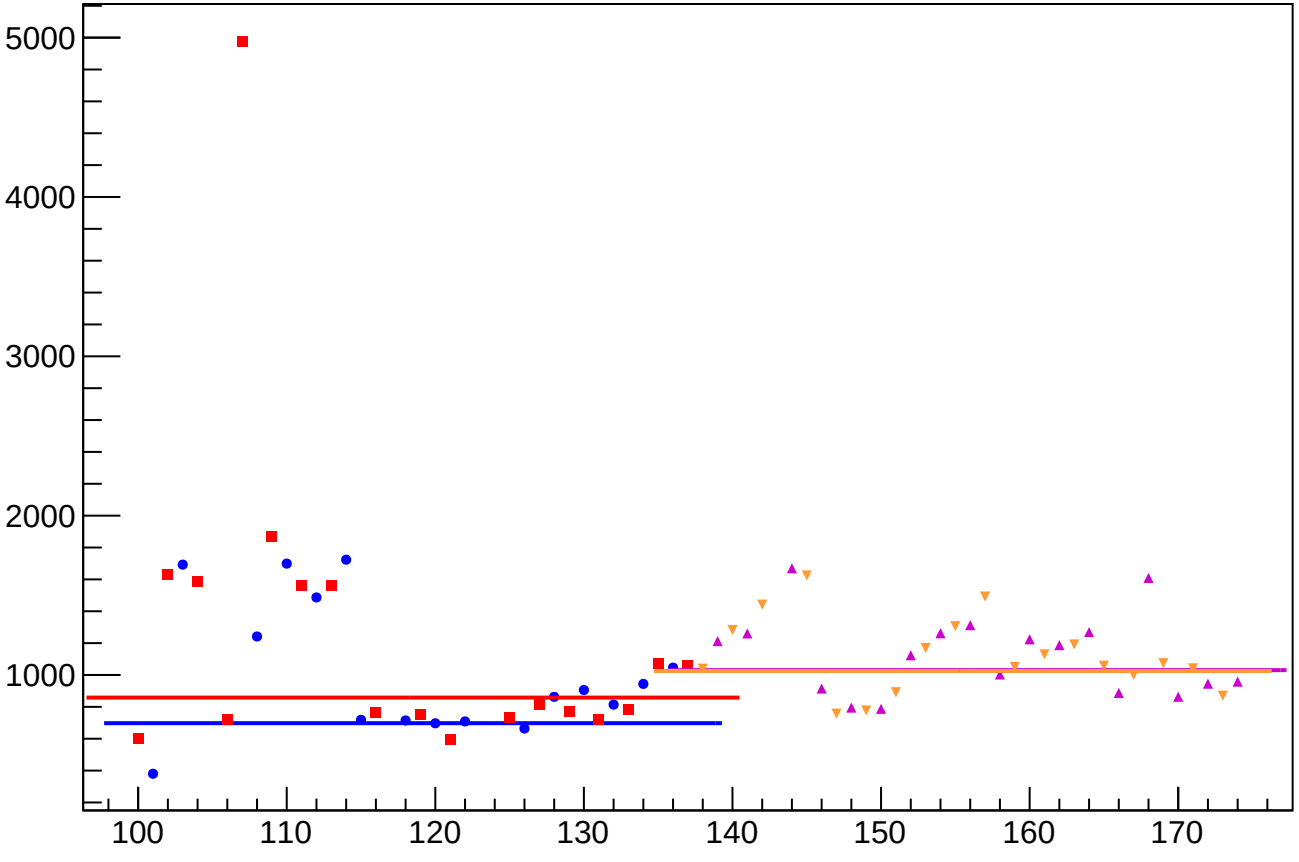
Right: -210.715+/-219.541 χ^2/NDF: 38.7/33

In: -141.825+/-198.174 χ^2/NDF:29.8/33

Out: -87.484+/-216.344 χ^2/NDF:46.5/35

All: -117.032+/-146.132 χ^2/NDF: 76.3/69

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.517+/-0.203 χ^2/NDF: 2435593.9/15

Left Out: 1025.053+/-0.198 χ^2/NDF:1128043.6/17

Right Out: 858.094+/-0.242 χ^2/NDF: 1882174.1/17

Left In: 1030.461+/-0.194 χ^2/NDF:1295092.1/17

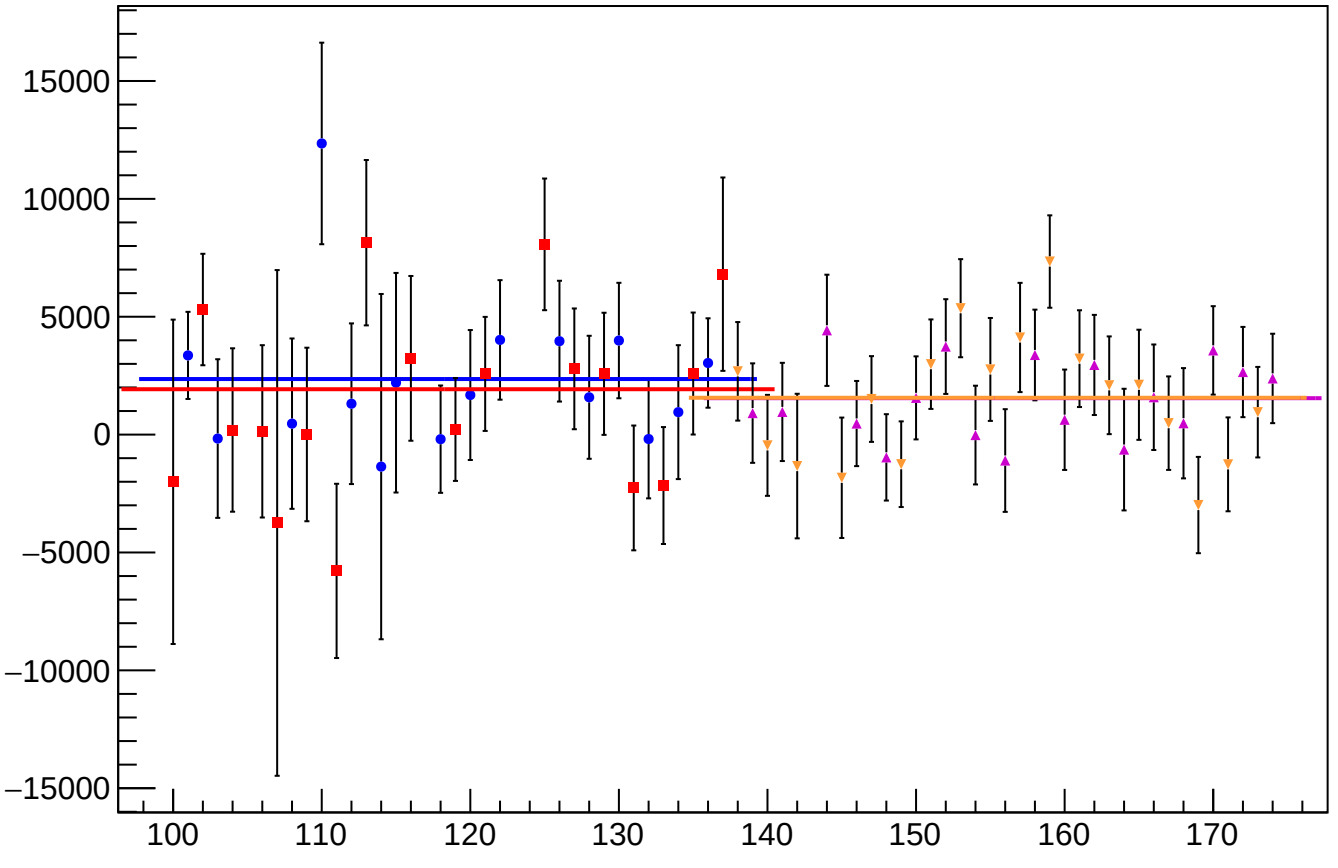
Left: 1027.808+/-0.138 χ^2/NDF: 2423517.0/35

Right: 763.854+/-0.155 χ^2/NDF: 4577181.2/33

In: 871.246+/-0.140 χ^2/NDF:5139303.4/33

Out: 958.073+/-0.153 χ^2/NDF:3296367.2/35

All: 910.861+/-0.103 χ^2/NDF: 8610836.3/69



Right In: 2356.998+/-678.944 χ^2/NDF: 11.0/15

Left Out: 1562.604+/-491.035 χ^2/NDF:28.5/17

Right Out: 1924.824+/-706.809 χ^2/NDF: 23.4/17

Left In: 1544.628+/-480.674 χ^2/NDF:11.3/17

Left: 1553.424+/-343.492 χ^2/NDF: 39.8/35

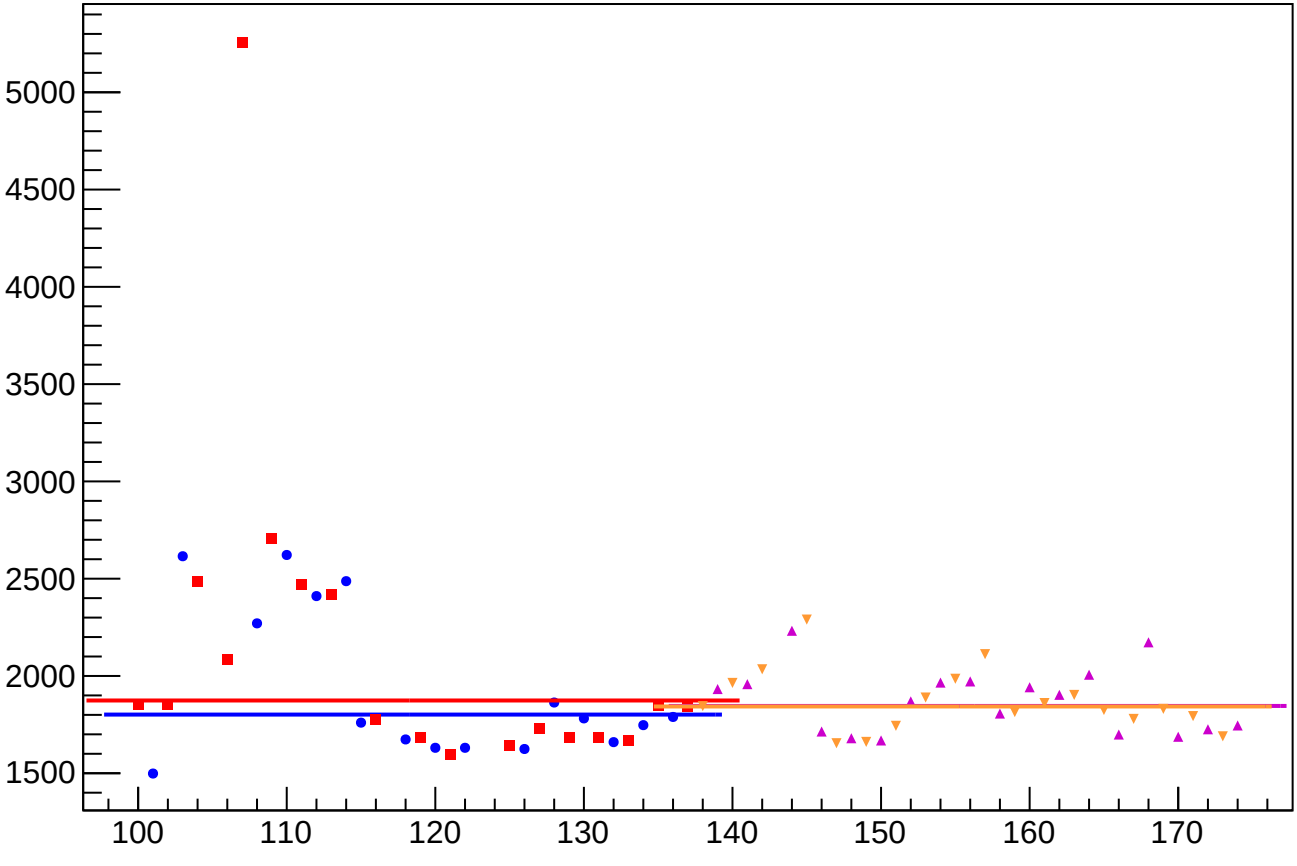
Right: 2149.598+/-489.640 χ^2/NDF: 34.6/33

In: 1815.860+/-392.308 χ^2/NDF:23.2/33

Out: 1680.517+/-403.269 χ^2/NDF:52.1/35

All: 1750.053+/-281.199 χ^2/NDF: 75.4/69

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1801.529+/-0.480 χ^2/NDF: 400702.5/15

Left Out: 1843.209+/-0.347 χ^2/NDF:177410.2/17

Right Out: 1873.976+/-0.500 χ^2/NDF: 569909.0/17

Left In: 1845.934+/-0.340 χ^2/NDF:213189.5/17

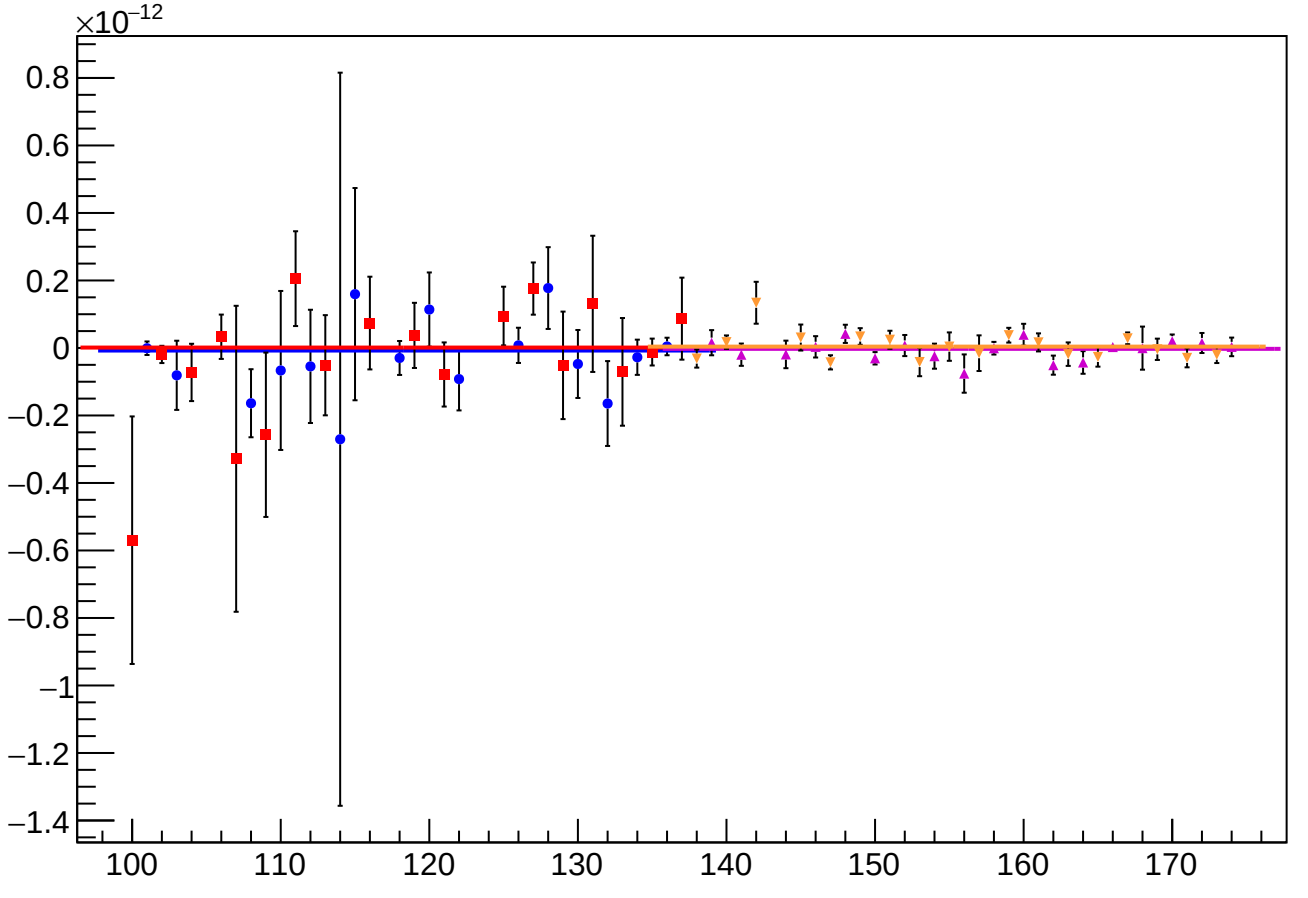
Left: 1844.600+/-0.243 χ^2/NDF: 390631.2/35

Right: 1836.296+/-0.346 χ^2/NDF: 981540.0/33

In: 1831.108+/-0.277 χ^2/NDF:619590.8/33

Out: 1853.224+/-0.285 χ^2/NDF:749875.3/35

All: 1841.861+/-0.199 χ^2/NDF: 1372556.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 10.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.7/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/17

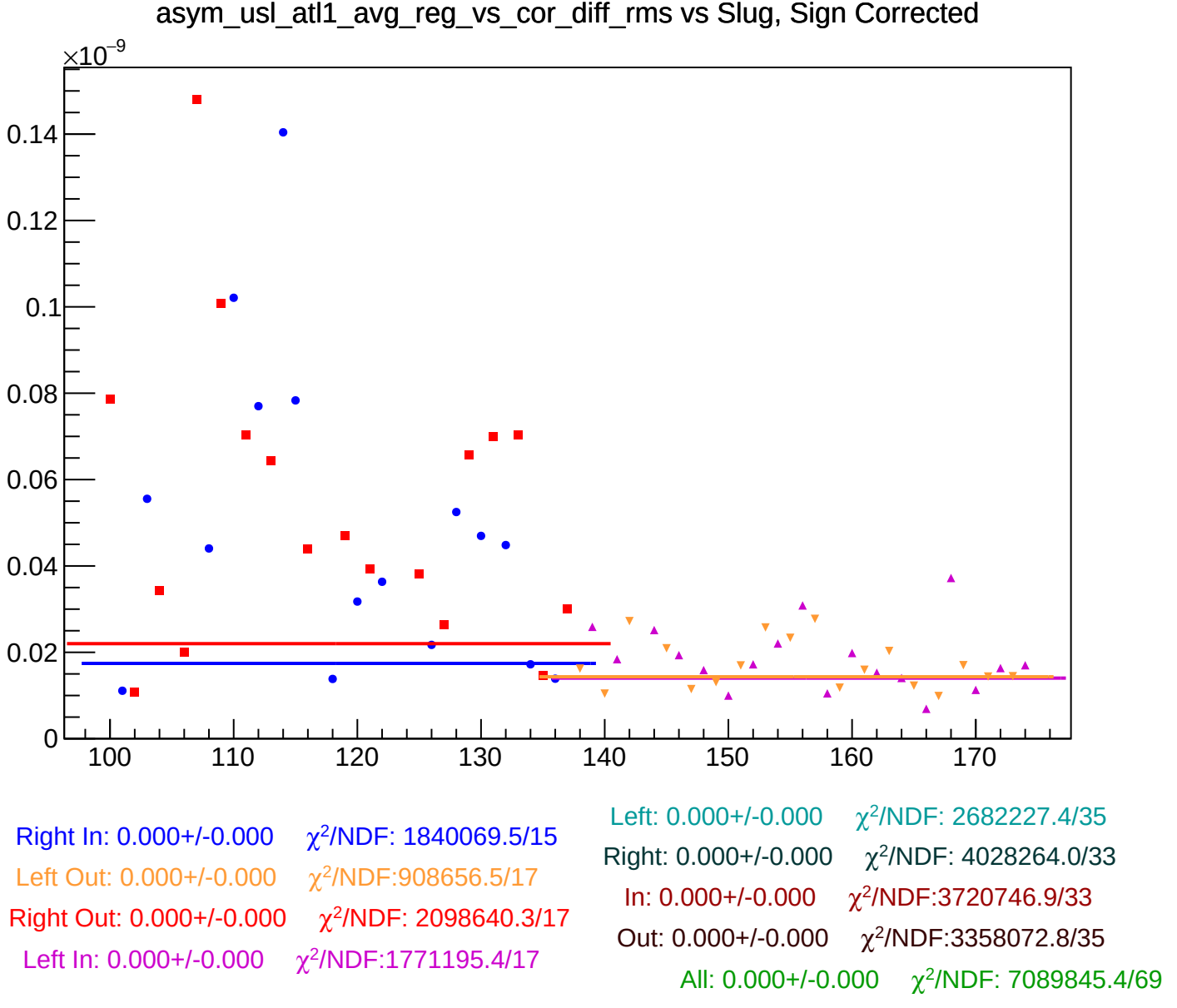
Left: 0.000+/-0.000 χ^2/NDF: 40.1/35

Right: -0.000+/-0.000 χ^2/NDF: 27.1/33

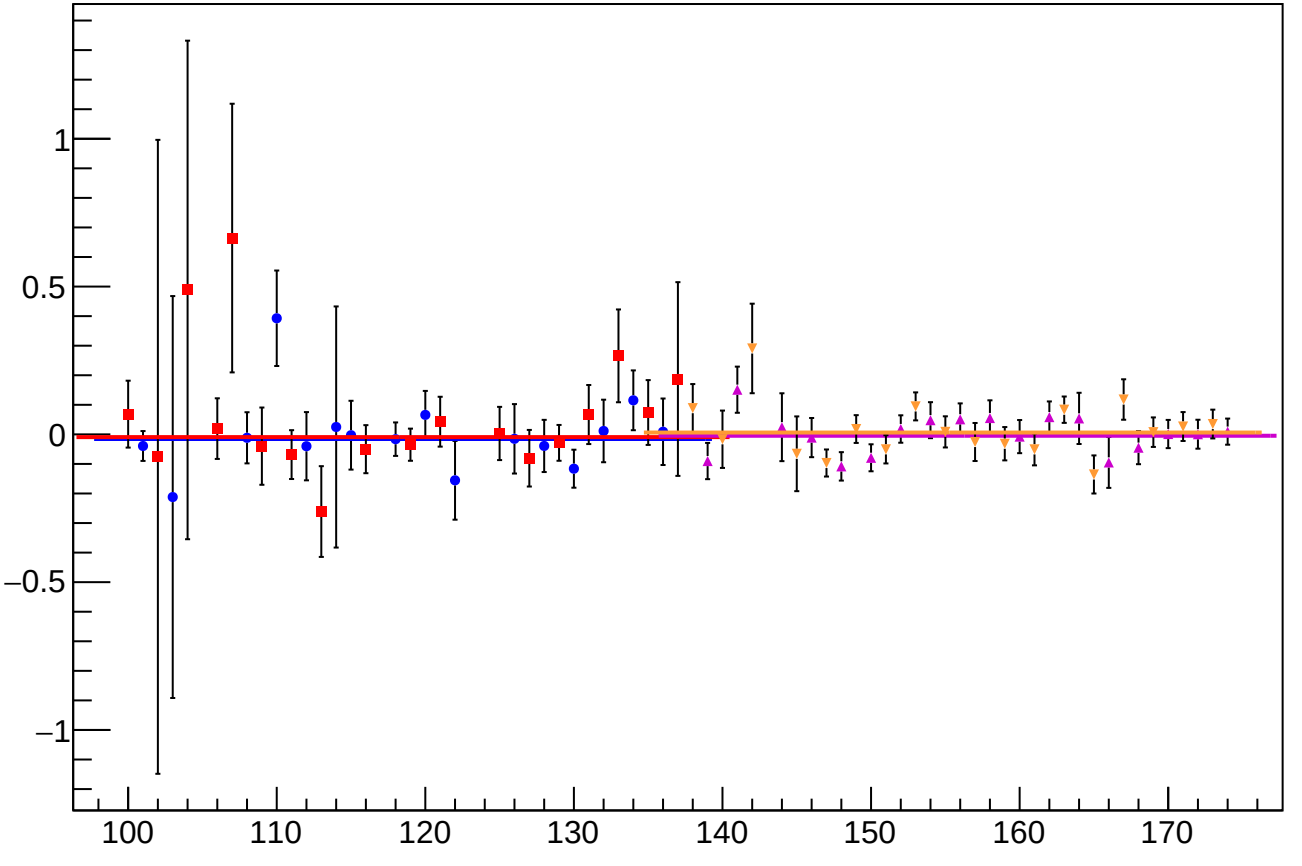
In: -0.000+/-0.000 χ^2/NDF:26.0/33

Out: 0.000+/-0.000 χ^2/NDF:40.6/35

All: -0.000+/-0.000 χ^2/NDF: 67.4/69


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1840069.5/15
Left Out: 0.000+/-0.000 χ²/NDF:908656.5/17
Right Out: 0.000+/-0.000 χ²/NDF: 2098640.3/17
Left In: 0.000+/-0.000 χ²/NDF:1771195.4/17
Left: 0.000+/-0.000 χ²/NDF: 2682227.4/35
Right: 0.000+/-0.000 χ²/NDF: 4028264.0/33
In: 0.000+/-0.000 χ²/NDF:3720746.9/33
Out: 0.000+/-0.000 χ²/NDF:3358072.8/35
All: 0.000+/-0.000 χ²/NDF: 7089845.4/69

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

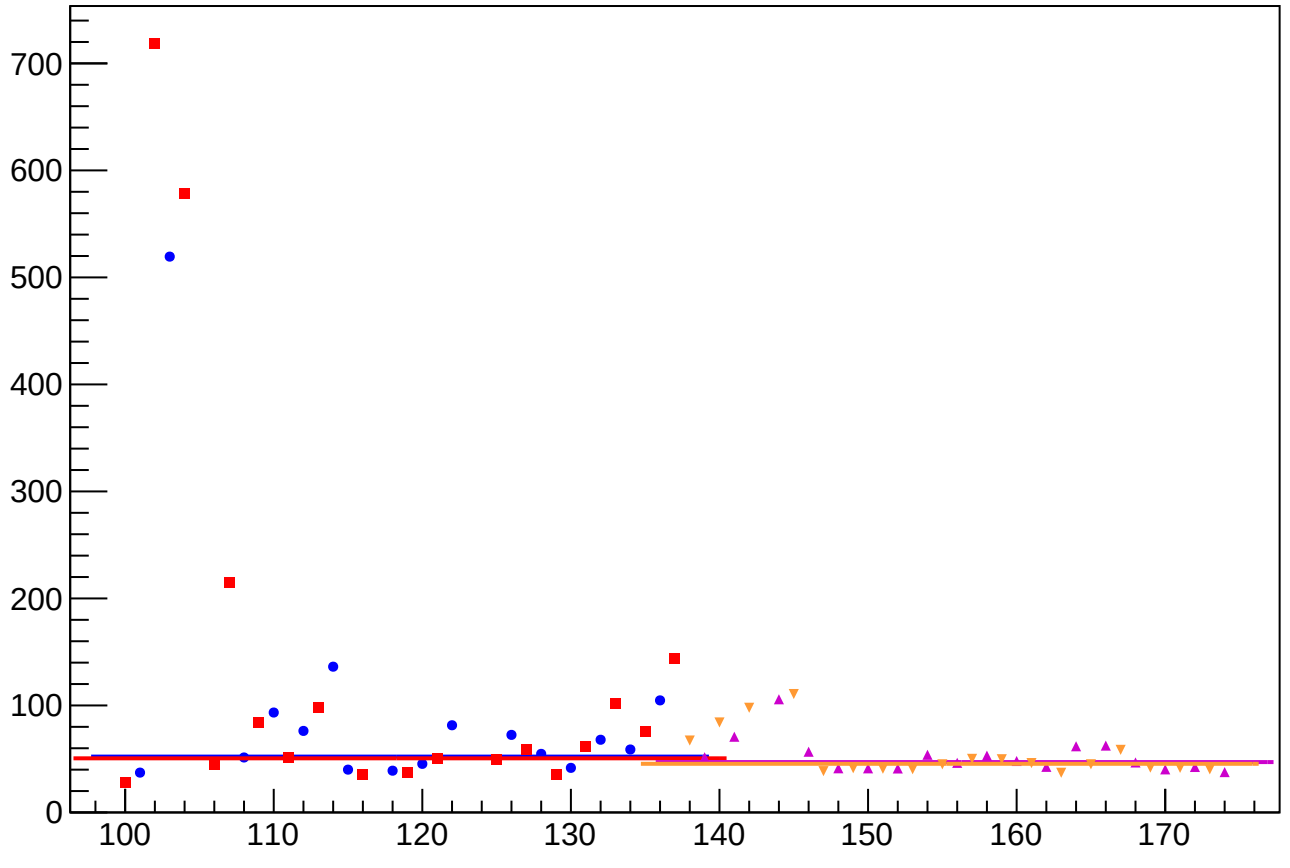
Left: 0.001+/-0.009 χ^2/NDF: 48.1/35

Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:33.4/33

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/69



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 45.475+/-0.009 χ^2/NDF:1543313.0/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

Left: 46.272+/-0.007 χ^2/NDF: 2743669.4/35

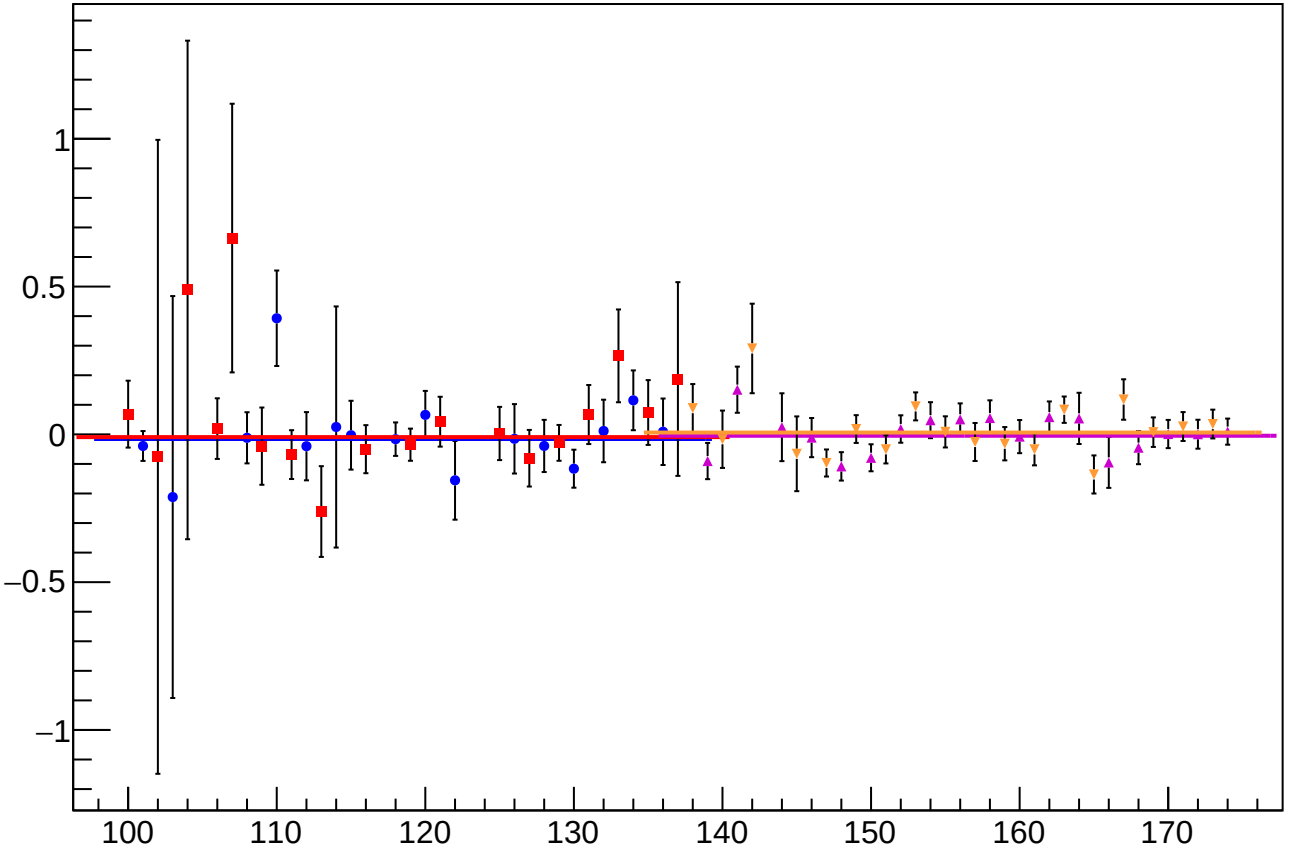
Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.387+/-0.008 χ^2/NDF:3528936.2/33

Out: 46.709+/-0.008 χ^2/NDF:4665738.6/35

All: 47.557+/-0.006 χ^2/NDF: 8215793.6/69

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

Left: 0.001+/-0.009 χ^2/NDF: 48.1/35

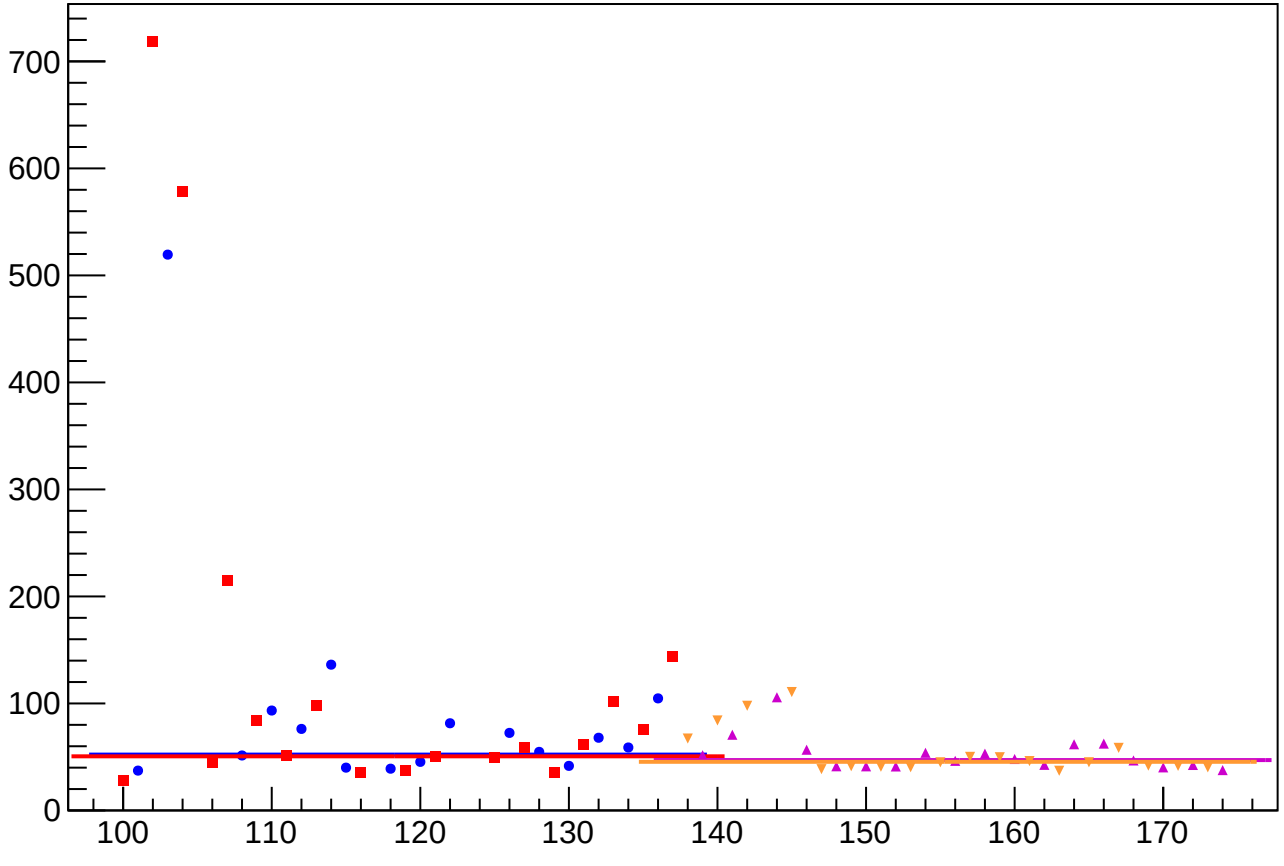
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.008+/-0.011 χ^2/NDF:33.4/33

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/69

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266928.1/15

Left Out: 45.475+/-0.009 χ^2/NDF:1543313.0/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051379.6/17

Left In: 47.070+/-0.009 χ^2/NDF:1186019.3/17

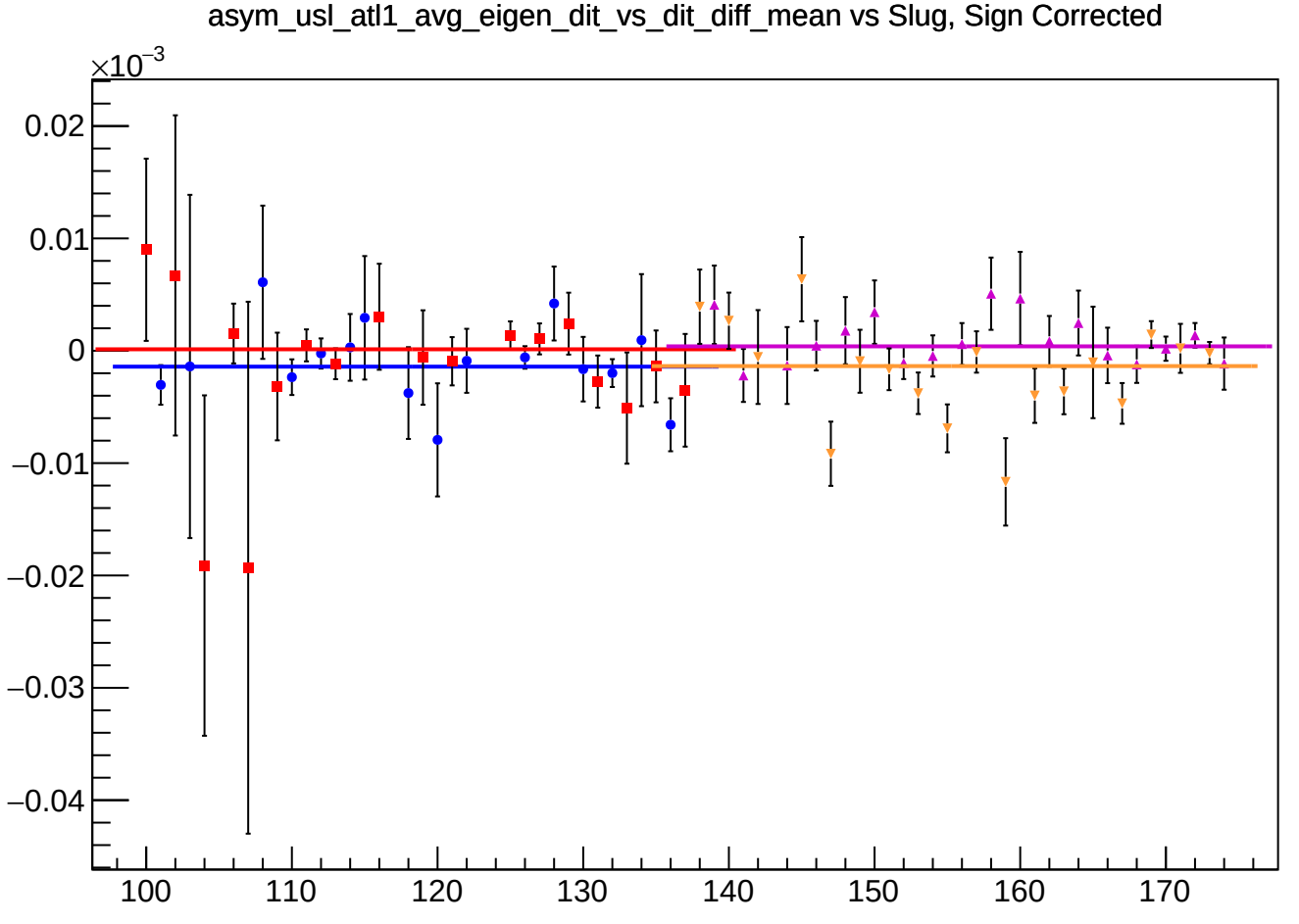
Left: 46.272+/-0.007 χ^2/NDF: 2743669.4/35

Right: 51.419+/-0.012 χ^2/NDF: 5323147.3/33

In: 48.387+/-0.008 χ^2/NDF:3528936.2/33

Out: 46.709+/-0.008 χ^2/NDF:4665738.6/35

All: 47.557+/-0.006 χ^2/NDF: 8215793.6/69



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

Left Out: -0.000+/-0.000 χ^2/NDF:46.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 11.6/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/17

Left: -0.000+/-0.000 χ^2/NDF: 64.5/35

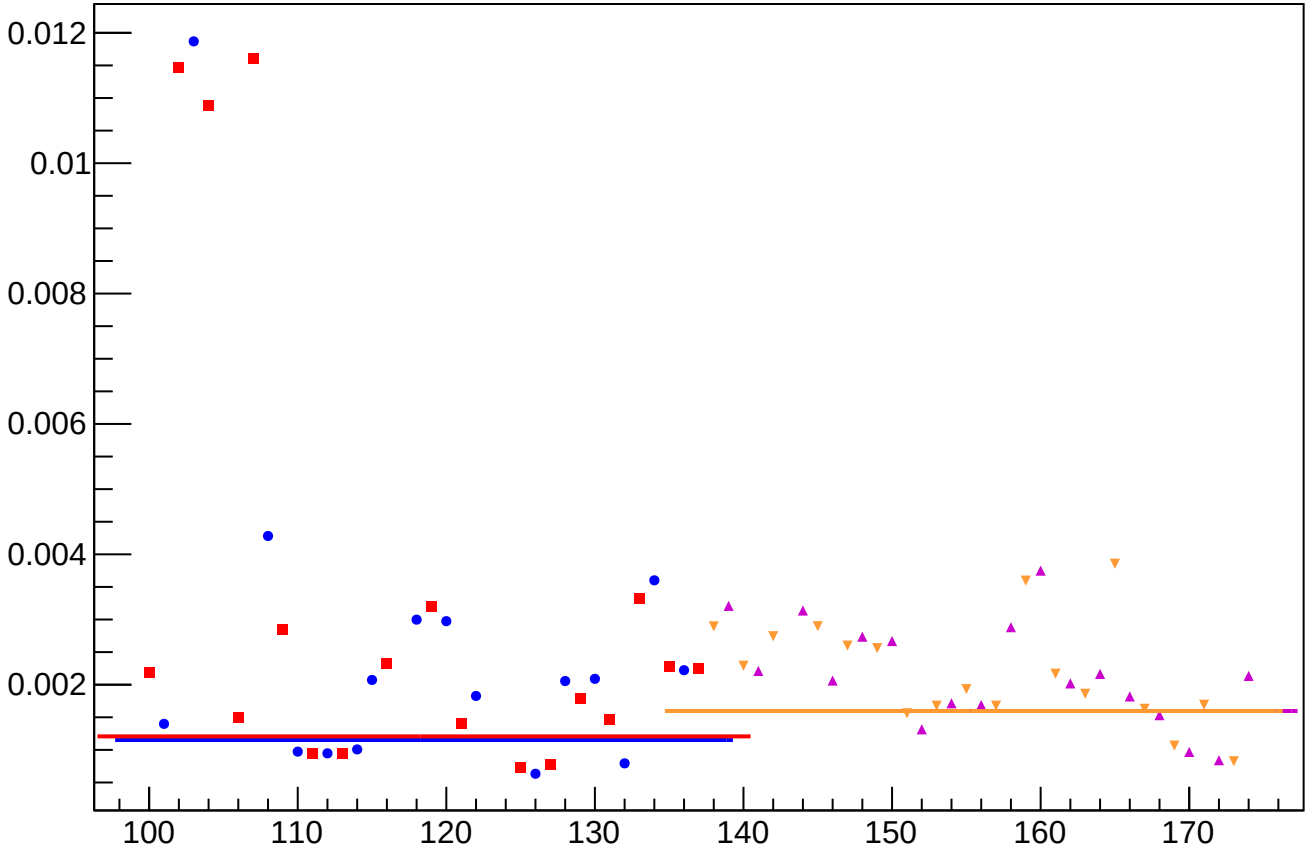
Right: -0.000+/-0.000 χ^2/NDF: 30.7/33

In: -0.000+/-0.000 χ^2/NDF:33.1/33

Out: -0.000+/-0.000 χ^2/NDF:61.9/35

All: -0.000+/-0.000 χ^2/NDF: 95.4/69

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4187928.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:4101941.9/17

Right Out: 0.001+/-0.000 χ^2/NDF: 4521920.0/17

Left In: 0.002+/-0.000 χ^2/NDF:4490767.7/17

Left: 0.002+/-0.000 χ^2/NDF: 8592710.1/35

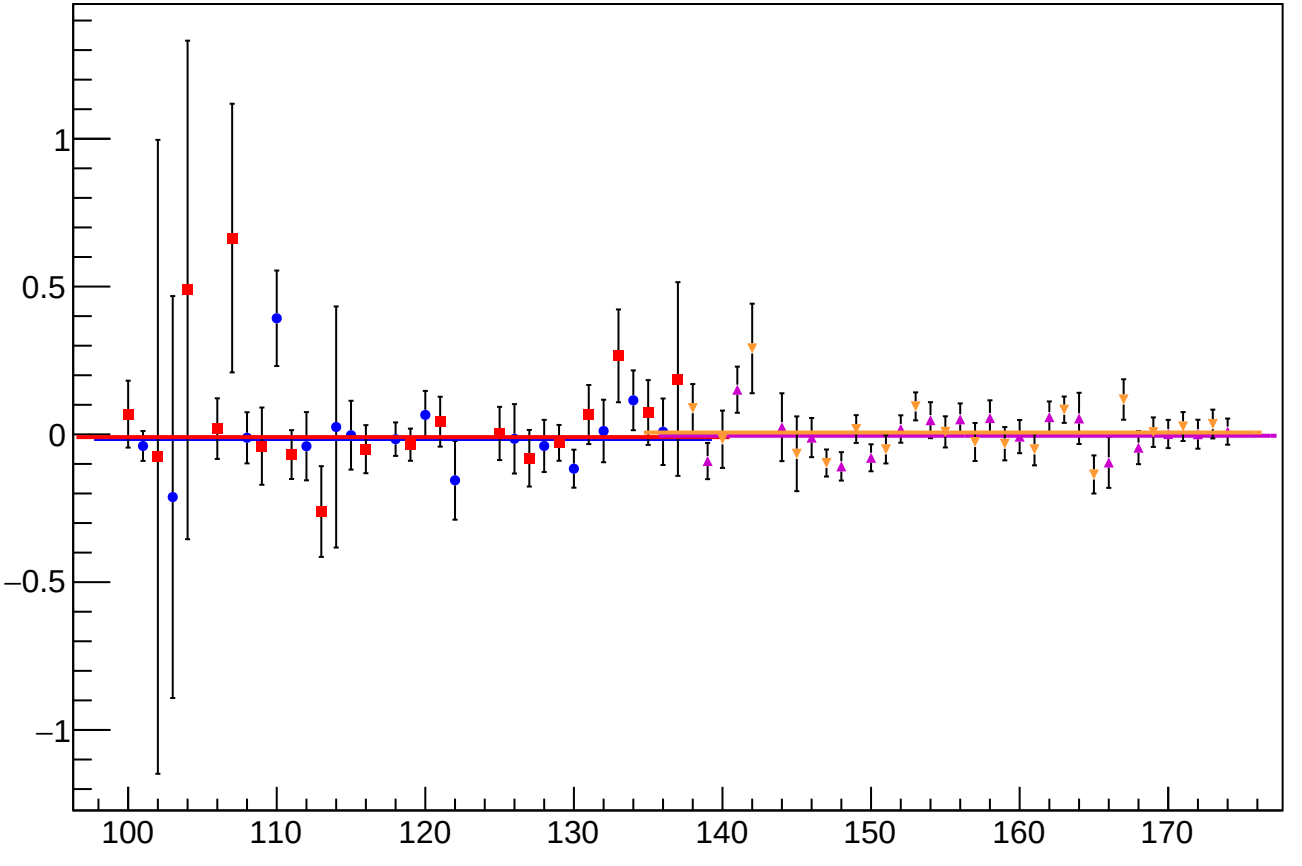
Right: 0.001+/-0.000 χ^2/NDF: 8720631.4/33

In: 0.001+/-0.000 χ^2/NDF:9507340.5/33

Out: 0.001+/-0.000 χ^2/NDF:9191393.7/35

All: 0.001+/-0.000 χ^2/NDF: 18707657.2/69

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

Left: 0.001+/-0.009 χ^2/NDF: 48.1/35

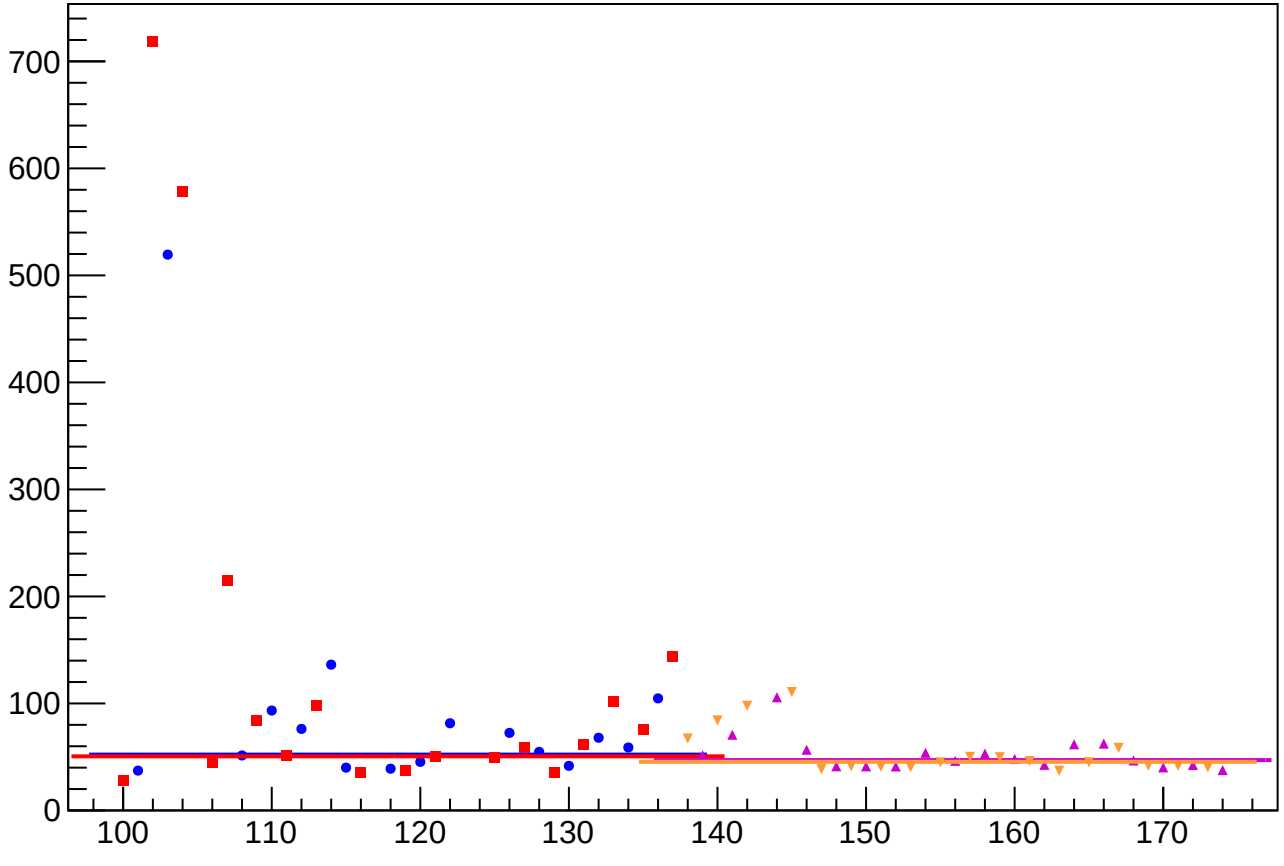
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.007+/-0.011 χ^2/NDF:33.4/33

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/69

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 45.475+/-0.009 χ^2/NDF:1543298.5/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

Left: 46.272+/-0.007 χ^2/NDF: 2743650.6/35

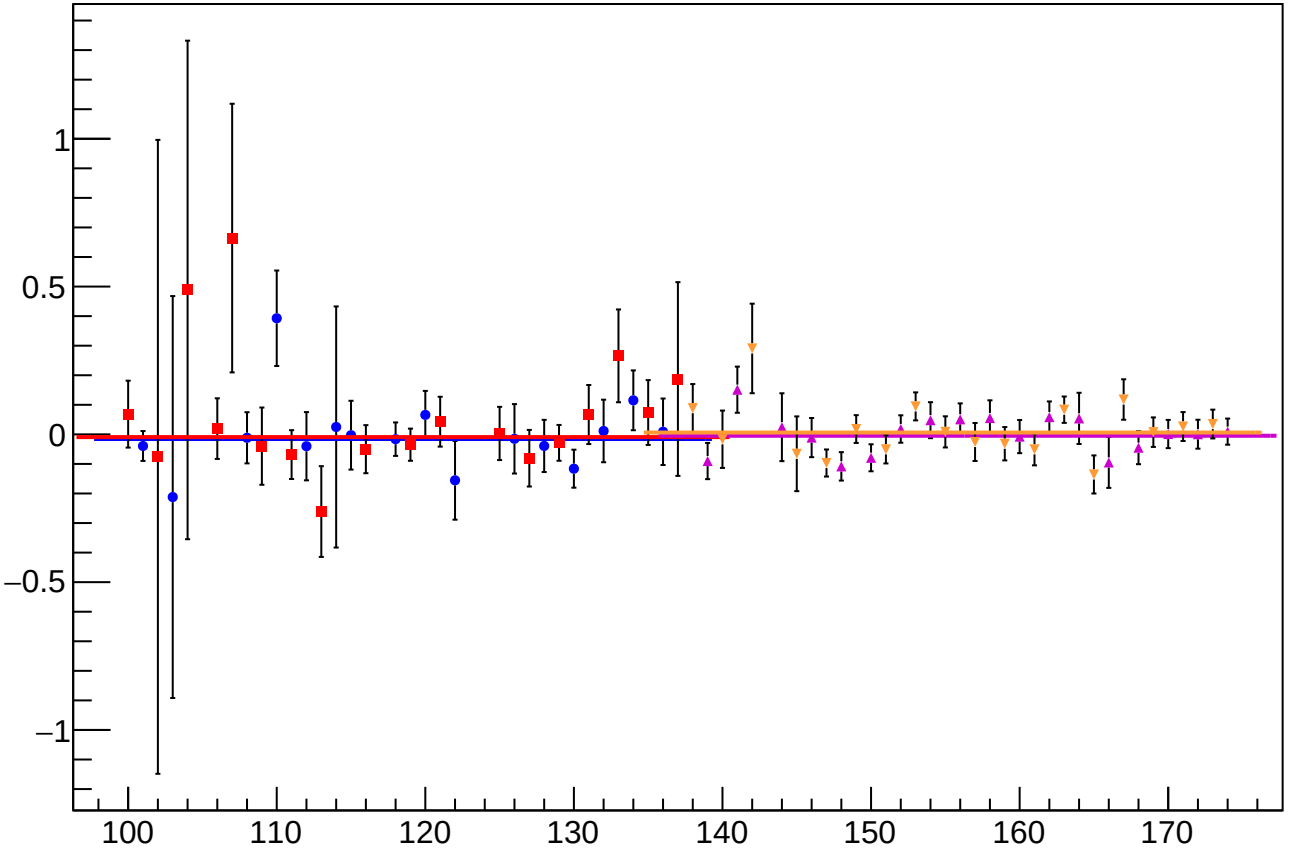
Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.387+/-0.008 χ^2/NDF:3528922.4/33

Out: 46.709+/-0.008 χ^2/NDF:4665696.6/35

All: 47.557+/-0.006 χ^2/NDF: 8215735.7/69

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.023 χ^2/NDF: 13.2/15

Left Out: 0.006+/-0.013 χ^2/NDF:27.8/17

Right Out: -0.009+/-0.024 χ^2/NDF: 12.5/17

Left In: -0.005+/-0.013 χ^2/NDF:20.0/17

Left: 0.001+/-0.009 χ^2/NDF: 48.1/35

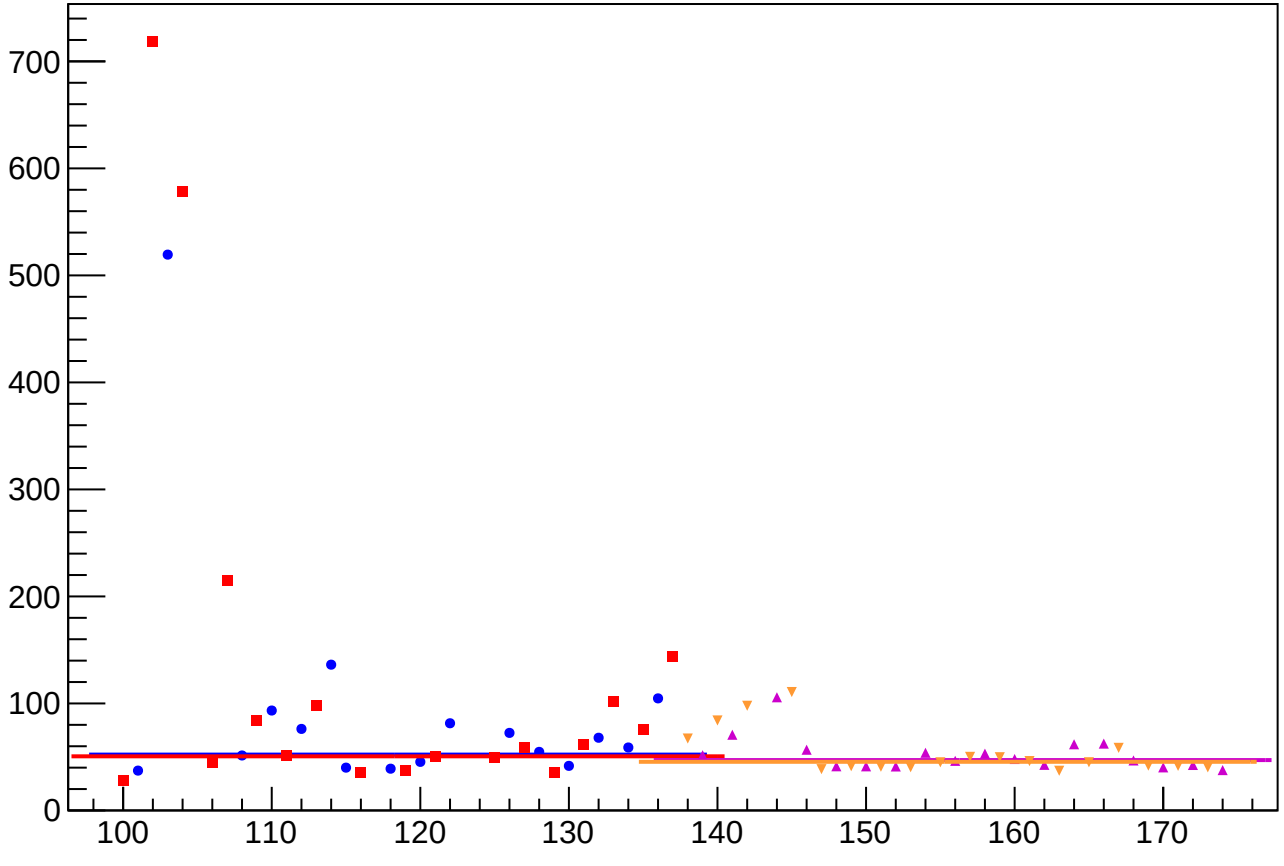
Right: -0.013+/-0.016 χ^2/NDF: 25.7/33

In: -0.007+/-0.011 χ^2/NDF:33.4/33

Out: 0.002+/-0.012 χ^2/NDF:40.6/35

All: -0.003+/-0.008 χ^2/NDF: 74.3/69

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.191+/-0.016 χ^2/NDF: 2266922.0/15

Left Out: 45.475+/-0.009 χ^2/NDF:1543298.5/17

Right Out: 50.582+/-0.017 χ^2/NDF: 3051364.2/17

Left In: 47.070+/-0.009 χ^2/NDF:1186017.4/17

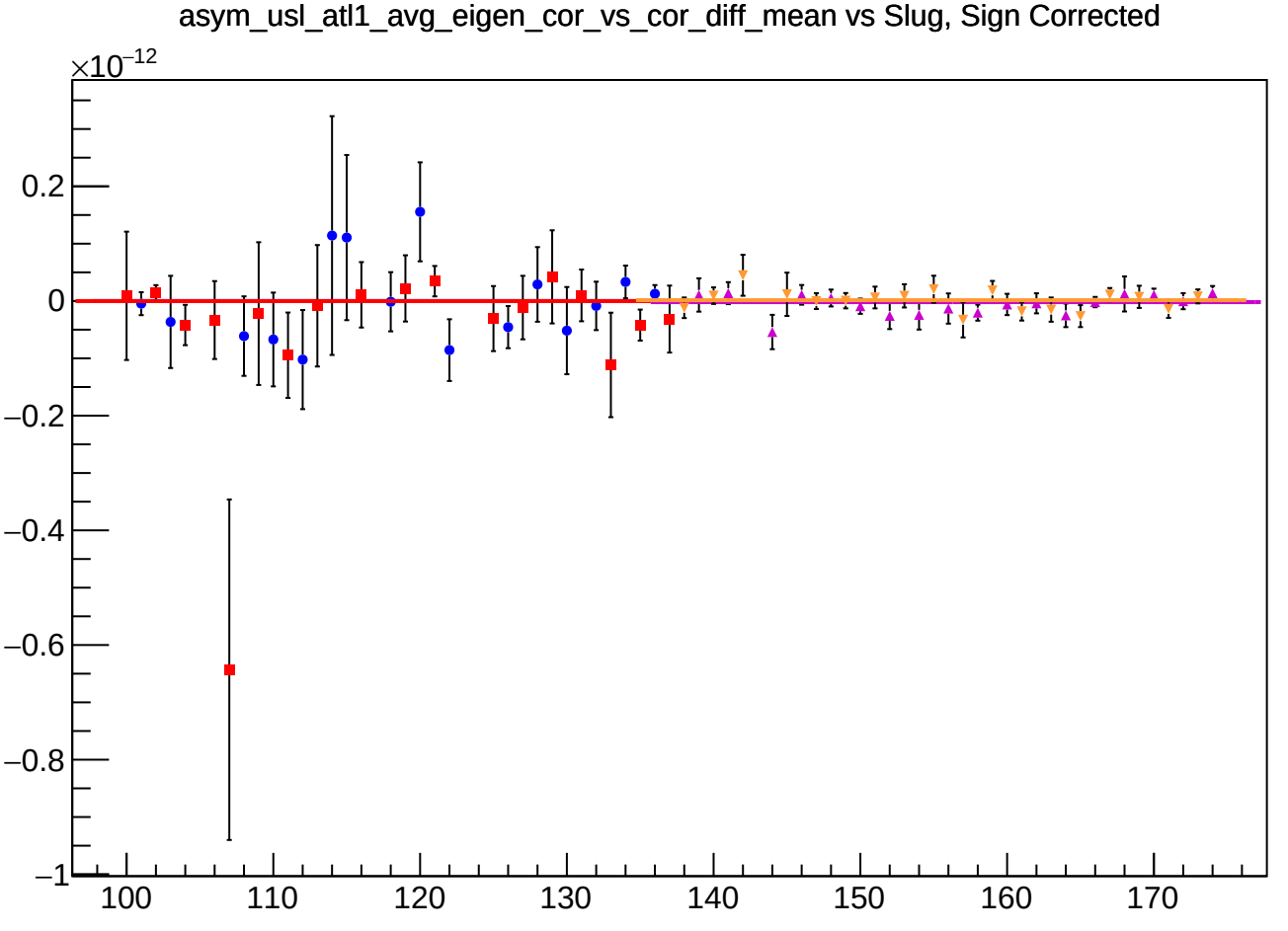
Left: 46.272+/-0.007 χ^2/NDF: 2743650.6/35

Right: 51.419+/-0.012 χ^2/NDF: 5323126.6/33

In: 48.387+/-0.008 χ^2/NDF:3528922.4/33

Out: 46.709+/-0.008 χ^2/NDF:4665696.6/35

All: 47.557+/-0.006 χ^2/NDF: 8215735.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.8/17

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/17

Left In: -0.000+/-0.000 χ^2/NDF:13.0/17

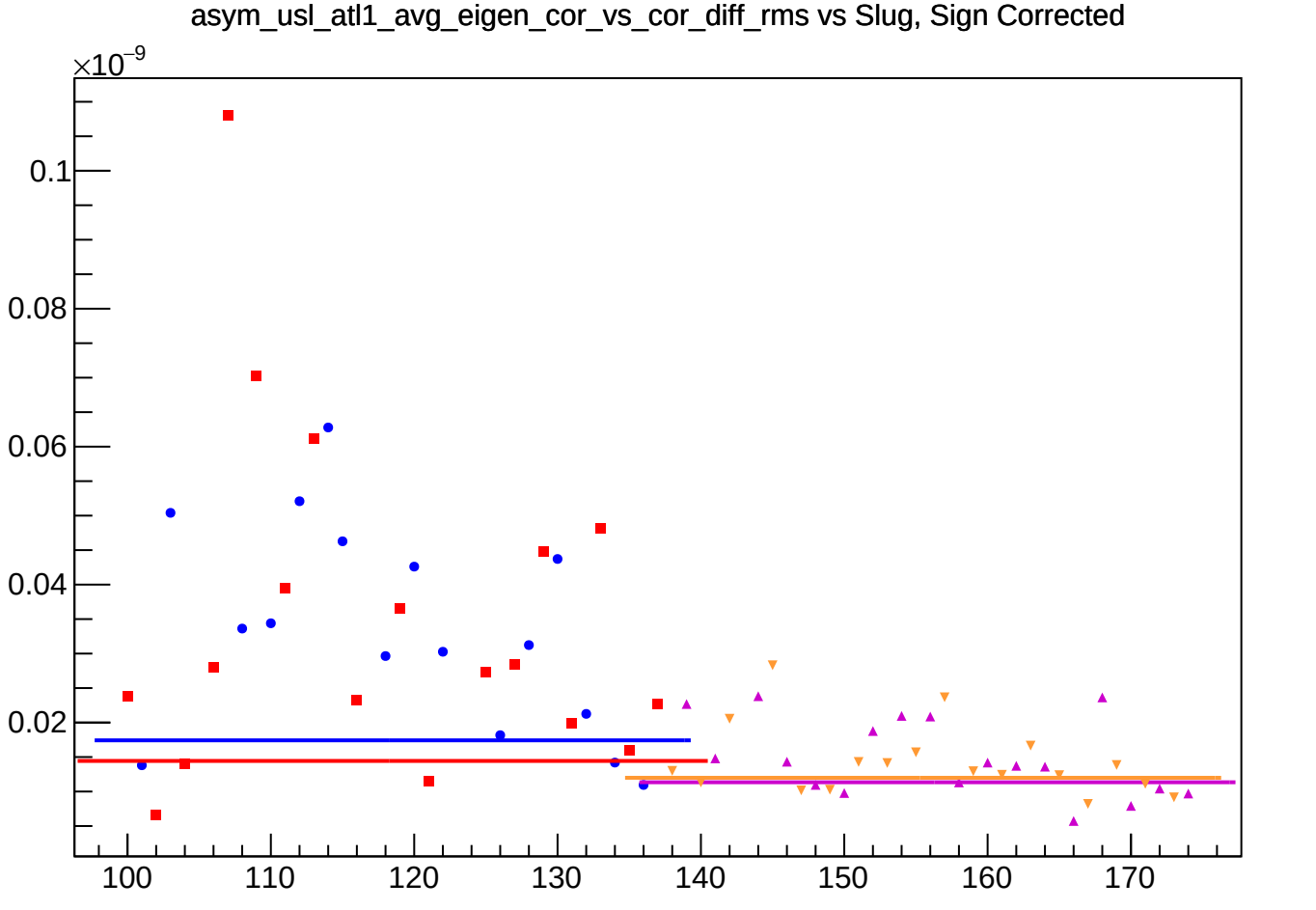
Left: -0.000+/-0.000 χ^2/NDF: 25.2/35

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

In: -0.000+/-0.000 χ^2/NDF:27.1/33

Out: 0.000+/-0.000 χ^2/NDF:27.8/35

All: -0.000+/-0.000 χ^2/NDF: 55.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 2224531.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408009.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3261103.3/17

Left In: 0.000+/-0.000 χ^2/NDF:3007193.9/17

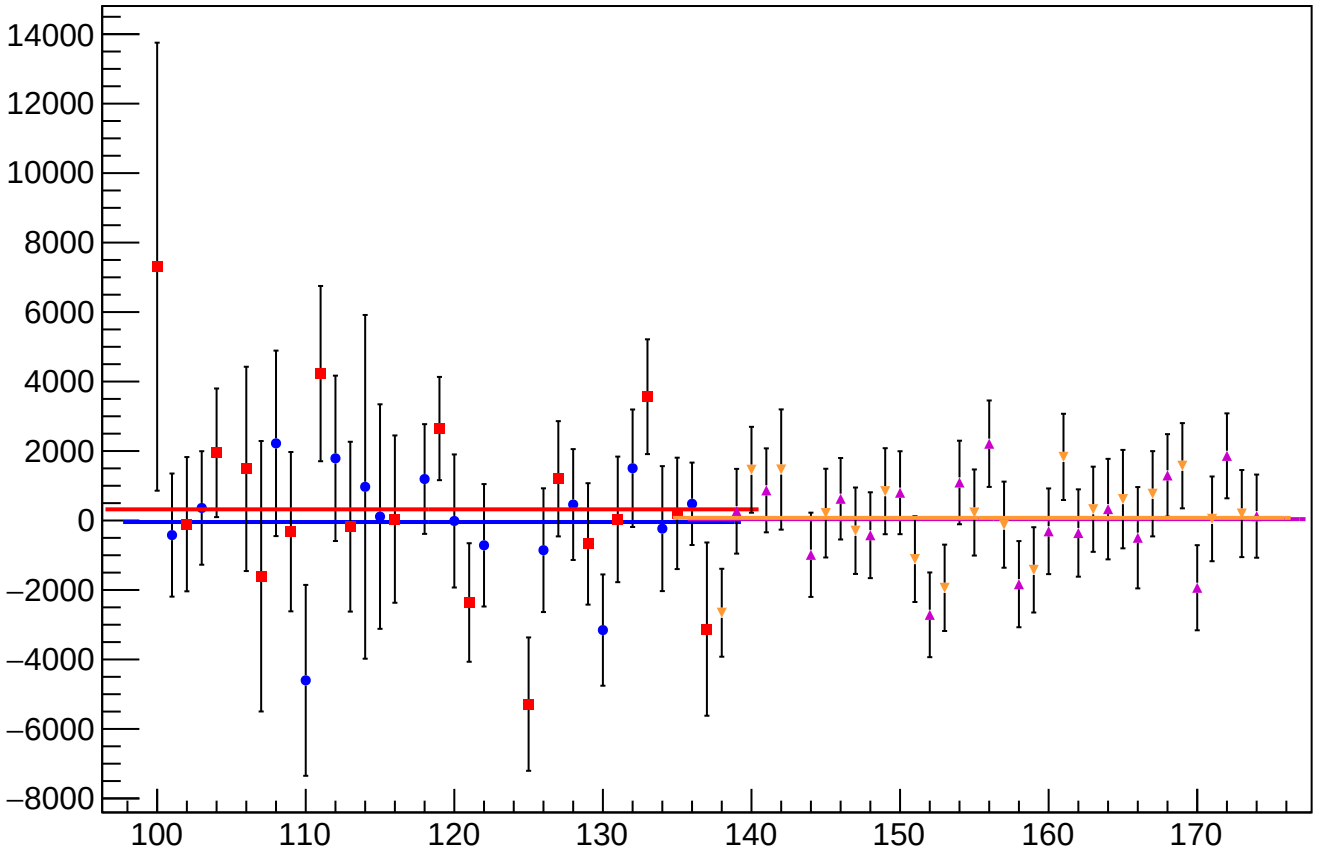
Left: 0.000+/-0.000 χ^2/NDF: 4442899.8/35

Right: 0.000+/-0.000 χ^2/NDF: 5591516.4/33

In: 0.000+/-0.000 χ^2/NDF:5953154.0/33

Out: 0.000+/-0.000 χ^2/NDF:4793177.0/35

All: 0.000+/-0.000 χ^2/NDF: 10749969.3/69



Right In: -43.681+/-459.222 χ^2/NDF: 10.1/15

Left Out: 76.047+/-298.217 χ^2/NDF:16.1/17

Right Out: 321.266+/-474.939 χ^2/NDF: 24.8/17

Left In: 39.698+/-291.596 χ^2/NDF:19.5/17

Left: 57.465+/-208.491 χ^2/NDF: 35.7/35

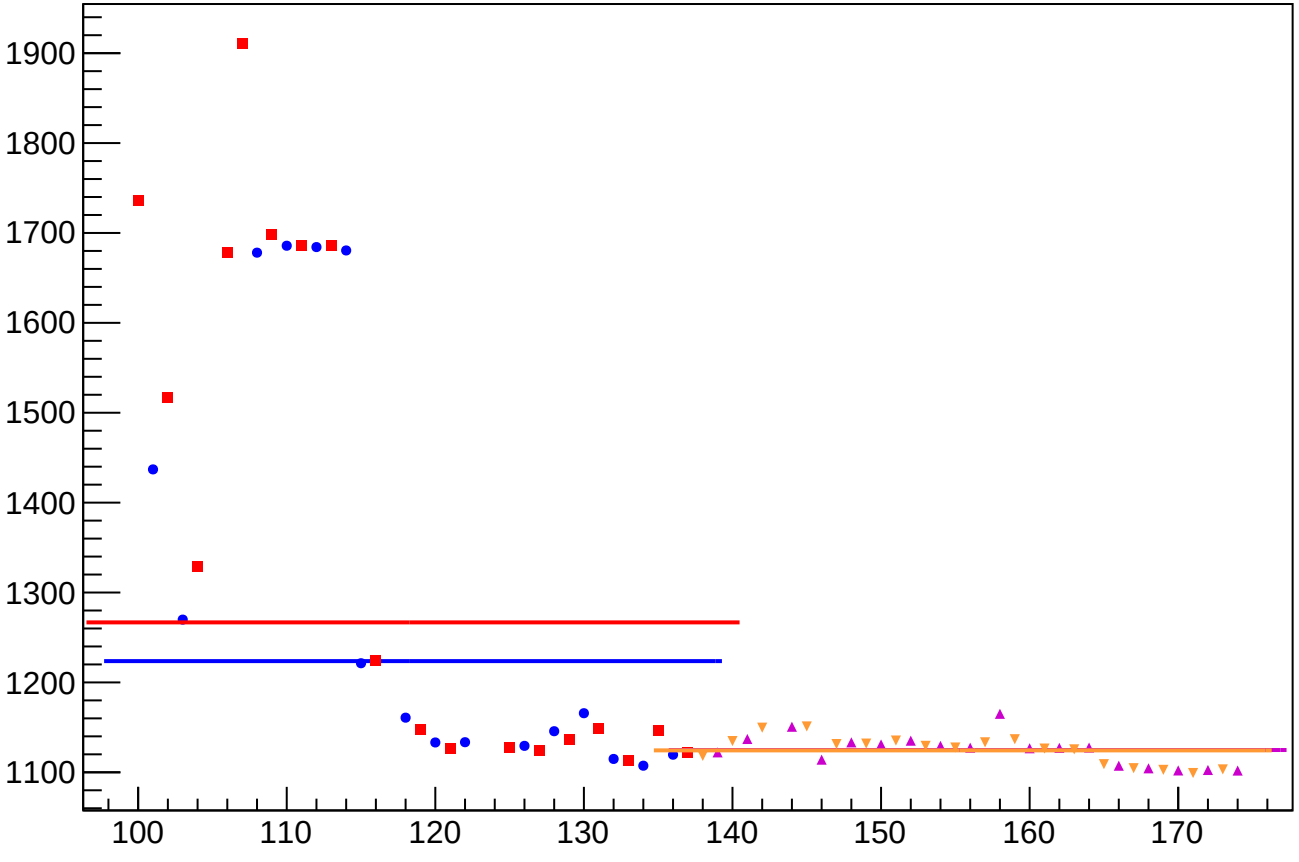
Right: 132.654+/-330.136 χ^2/NDF: 35.2/33

In: 15.740+/-246.163 χ^2/NDF:29.6/33

Out: 145.389+/-252.557 χ^2/NDF:41.1/35

All: 78.902+/-176.281 χ^2/NDF: 70.9/69

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1266.780+/-0.336 χ^2/NDF: 432845.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

Left: 1124.608+/-0.147 χ^2/NDF: 11651.6/35

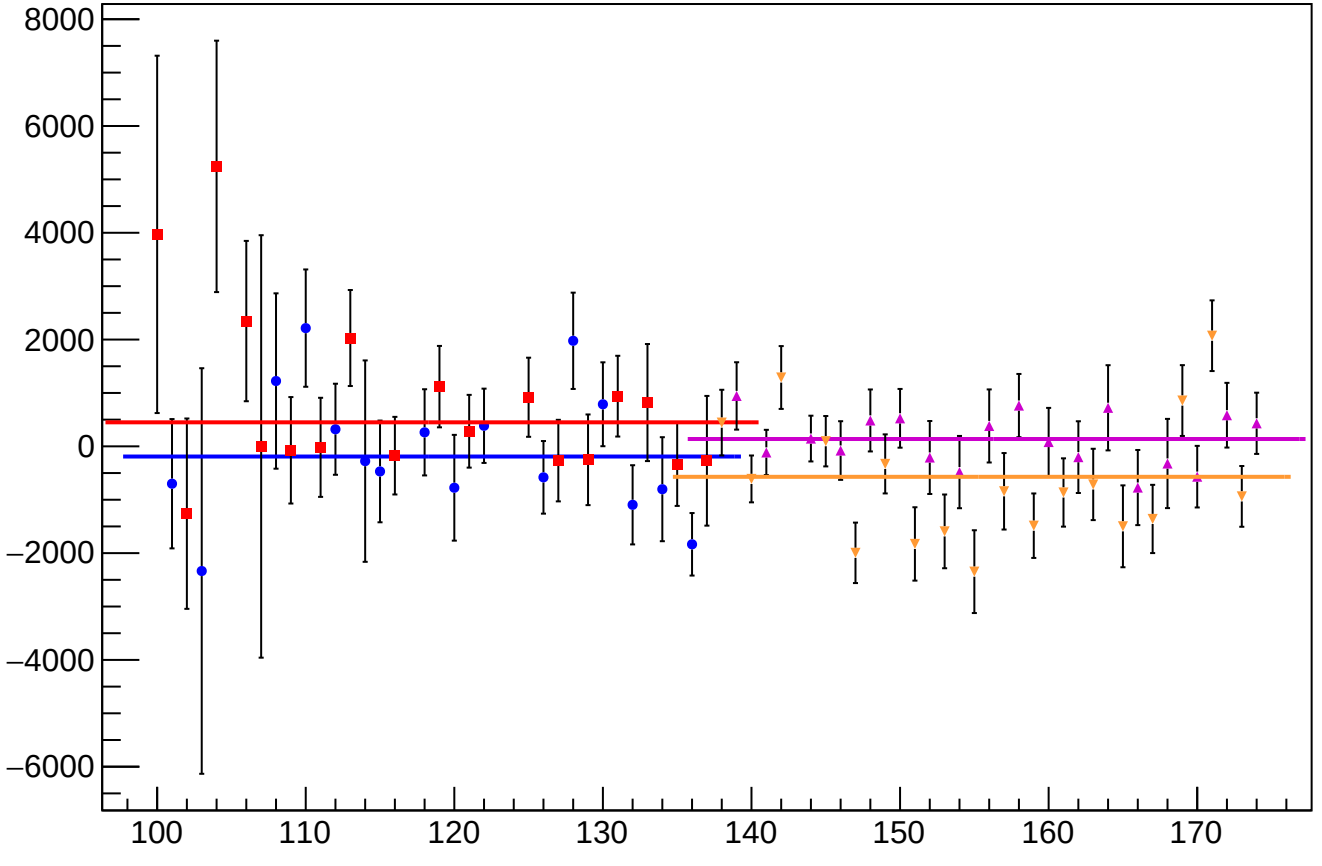
Right: 1244.518+/-0.233 χ^2/NDF: 736313.8/33

In: 1153.219+/-0.174 χ^2/NDF:367789.5/33

Out: 1164.668+/-0.179 χ^2/NDF:566688.0/35

All: 1158.797+/-0.125 χ^2/NDF: 936585.1/69

asym_usl_atl1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -190.634+/-222.869 χ^2/NDF: 25.2/15

Left Out: -570.762+/-143.356 χ^2/NDF:58.7/17

Right Out: 449.847+/-223.203 χ^2/NDF: 16.8/17

Left In: 137.520+/-140.168 χ^2/NDF:10.4/17

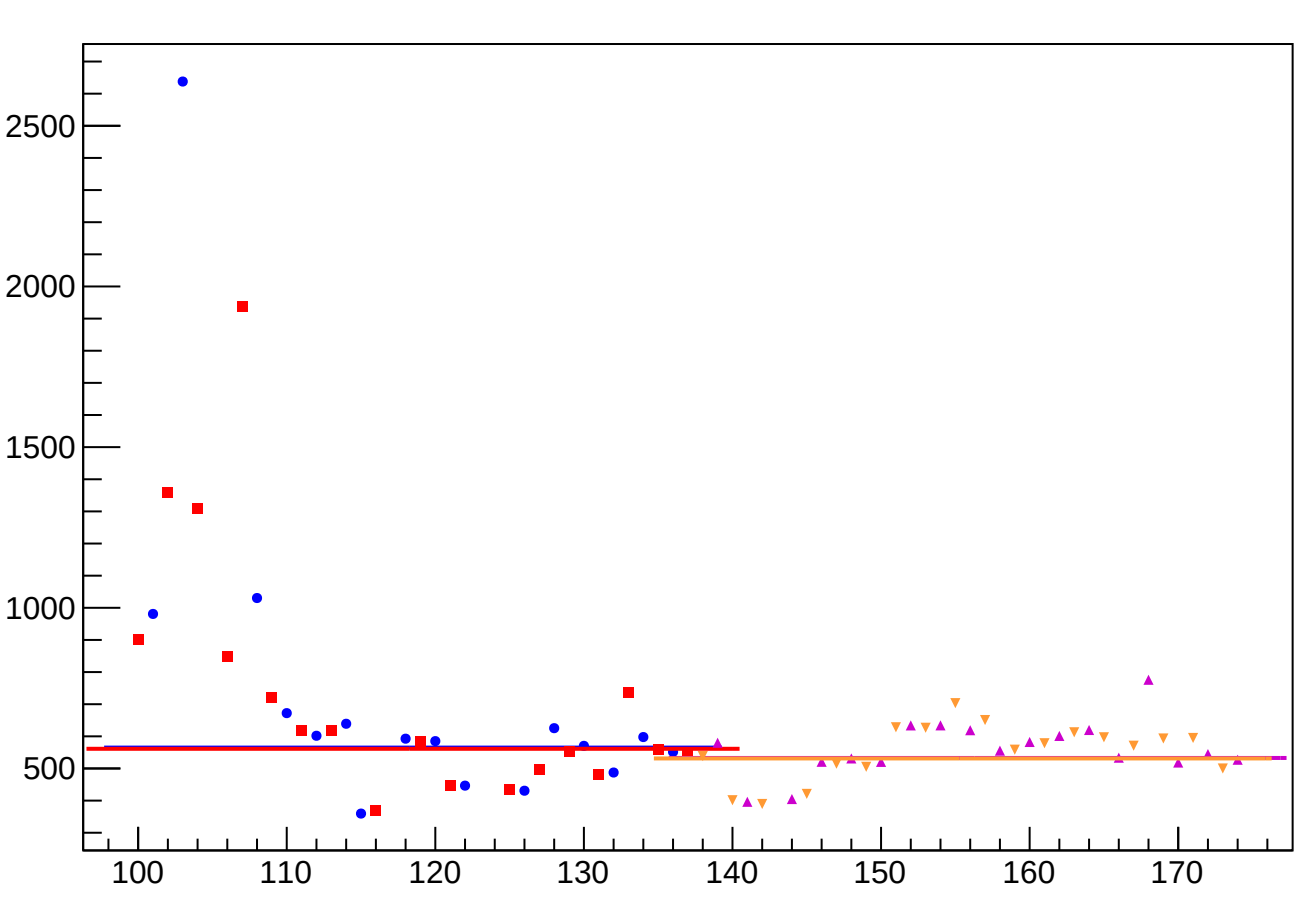
Left: -208.658+/-100.222 χ^2/NDF: 81.6/35

Right: 129.127+/-157.710 χ^2/NDF: 46.2/33

In: 44.510+/-118.652 χ^2/NDF:37.2/33

Out: -272.704+/-120.620 χ^2/NDF:90.3/35

All: -111.489+/-84.587 χ^2/NDF: 131.0/69



Right In: 564.959+/-0.158 χ^2/NDF: 1284478.9/15

Left Out: 531.199+/-0.101 χ^2/NDF:748908.6/17

Right Out: 561.243+/-0.158 χ^2/NDF: 1352239.3/17

Left In: 532.712+/-0.099 χ^2/NDF:751115.9/17

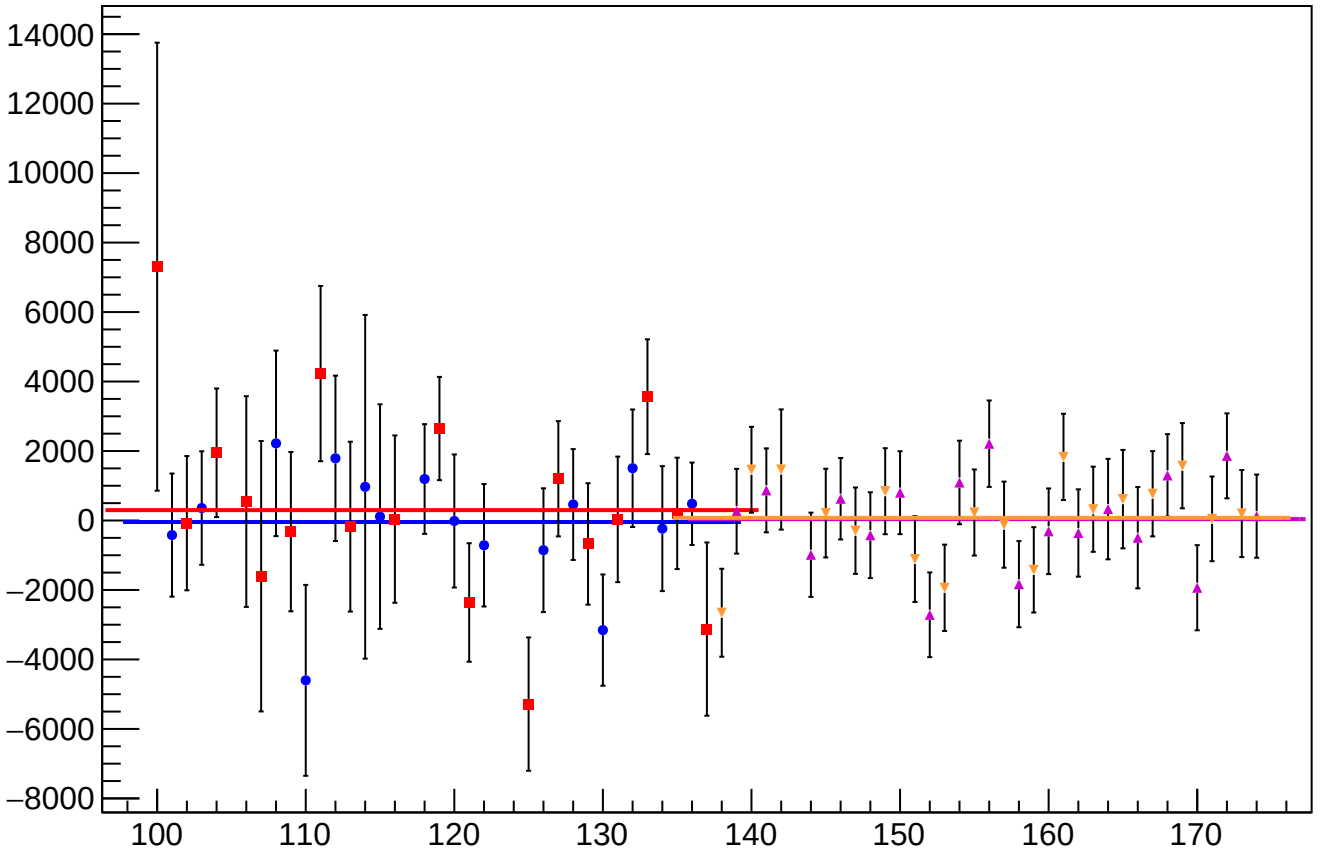
Left: 531.972+/-0.071 χ^2/NDF: 1500138.4/35

Right: 563.104+/-0.112 χ^2/NDF: 2636995.6/33

In: 541.852+/-0.084 χ^2/NDF:2065597.5/33

Out: 539.973+/-0.085 χ^2/NDF:2126802.9/35

All: 540.928+/-0.060 χ^2/NDF: 4192647.1/69



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 76.080+/-298.217 χ^2/NDF:16.1/17

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 39.695+/-291.596 χ^2/NDF:19.5/17

Left: 57.479+/-208.491 χ^2/NDF: 35.7/35

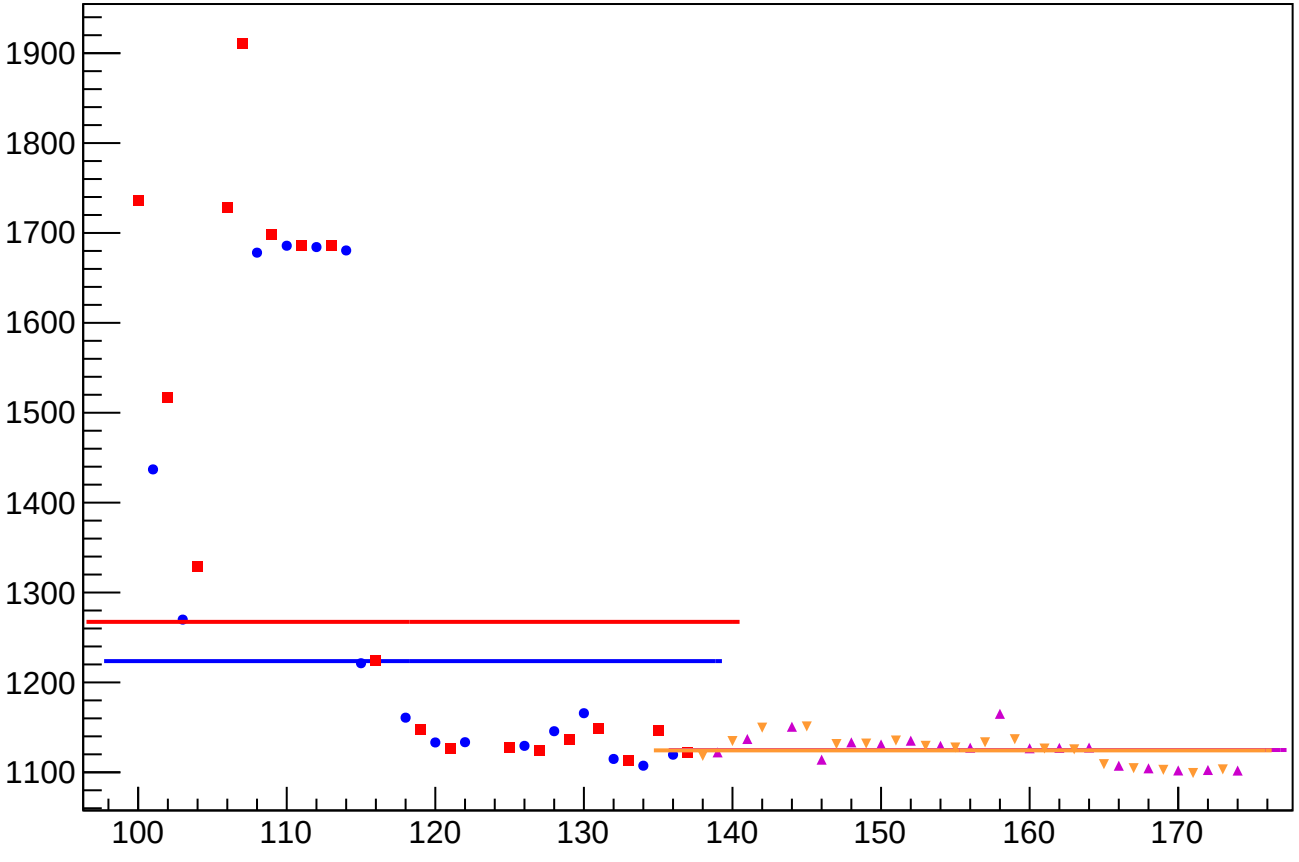
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 15.668+/-246.163 χ^2/NDF:29.6/33

Out: 138.821+/-252.614 χ^2/NDF:40.9/35

All: 75.652+/-176.300 χ^2/NDF: 70.7/69

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1223.705+/-0.325 χ^2/NDF: 294966.1/15

Left Out: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

Left: 1124.608+/-0.147 χ^2/NDF: 11651.6/35

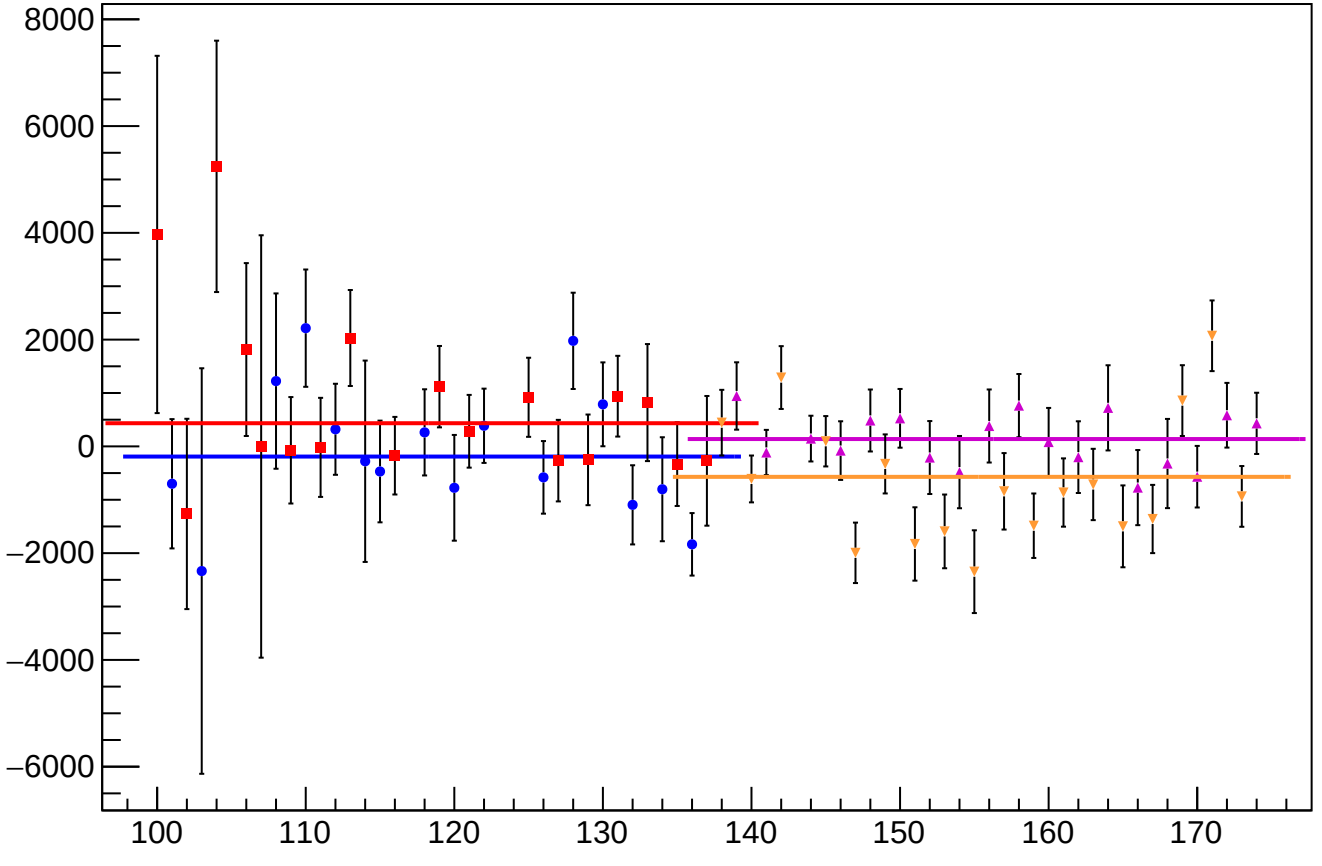
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1153.219+/-0.174 χ^2/NDF:367789.6/33

Out: 1164.787+/-0.179 χ^2/NDF:574736.4/35

All: 1158.853+/-0.125 χ^2/NDF: 944677.1/69

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: -570.783+/-143.355 χ^2/NDF:58.7/17

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 137.503+/-140.167 χ^2/NDF:10.4/17

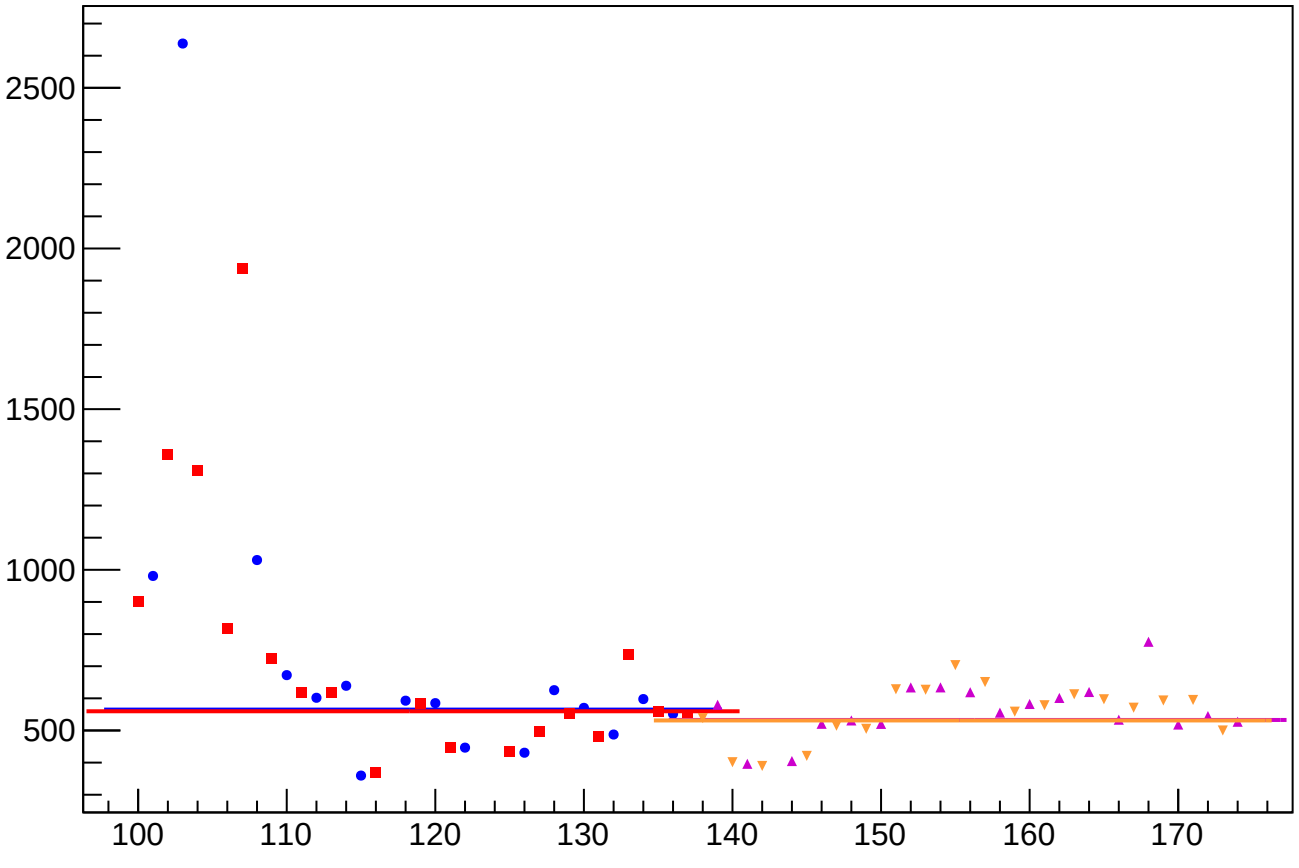
Left: -208.677+/-100.221 χ^2/NDF: 81.6/35

Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 44.494+/-118.652 χ^2/NDF:37.2/33

Out: -278.024+/-120.674 χ^2/NDF:88.9/35

All: -114.040+/-84.605 χ^2/NDF: 129.8/69



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 531.197+/-0.101 χ^2/NDF:748898.3/17

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

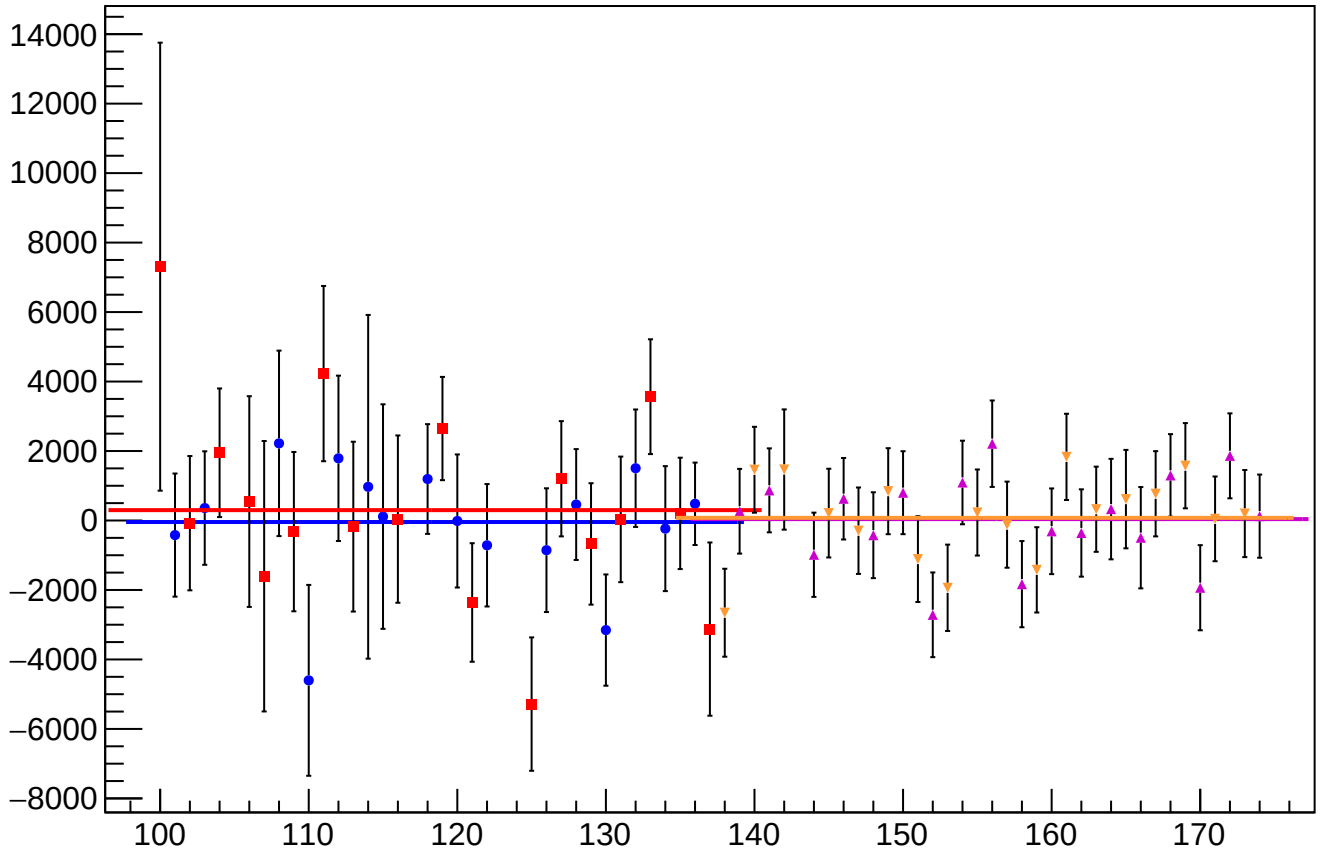
Left: 531.971+/-0.071 χ^2/NDF: 1500086.5/35

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 541.850+/-0.084 χ^2/NDF:2065525.6/33

Out: 539.520+/-0.085 χ^2/NDF:2101388.1/35

All: 540.705+/-0.060 χ^2/NDF: 4167293.0/69



Right In: -43.923+/-459.222 χ^2/NDF: 10.1/15

Left Out: 76.080+/-298.217 χ^2/NDF:16.1/17

Right Out: 298.207+/-475.315 χ^2/NDF: 24.6/17

Left In: 39.695+/-291.596 χ^2/NDF:19.5/17

Left: 57.479+/-208.491 χ^2/NDF: 35.7/35

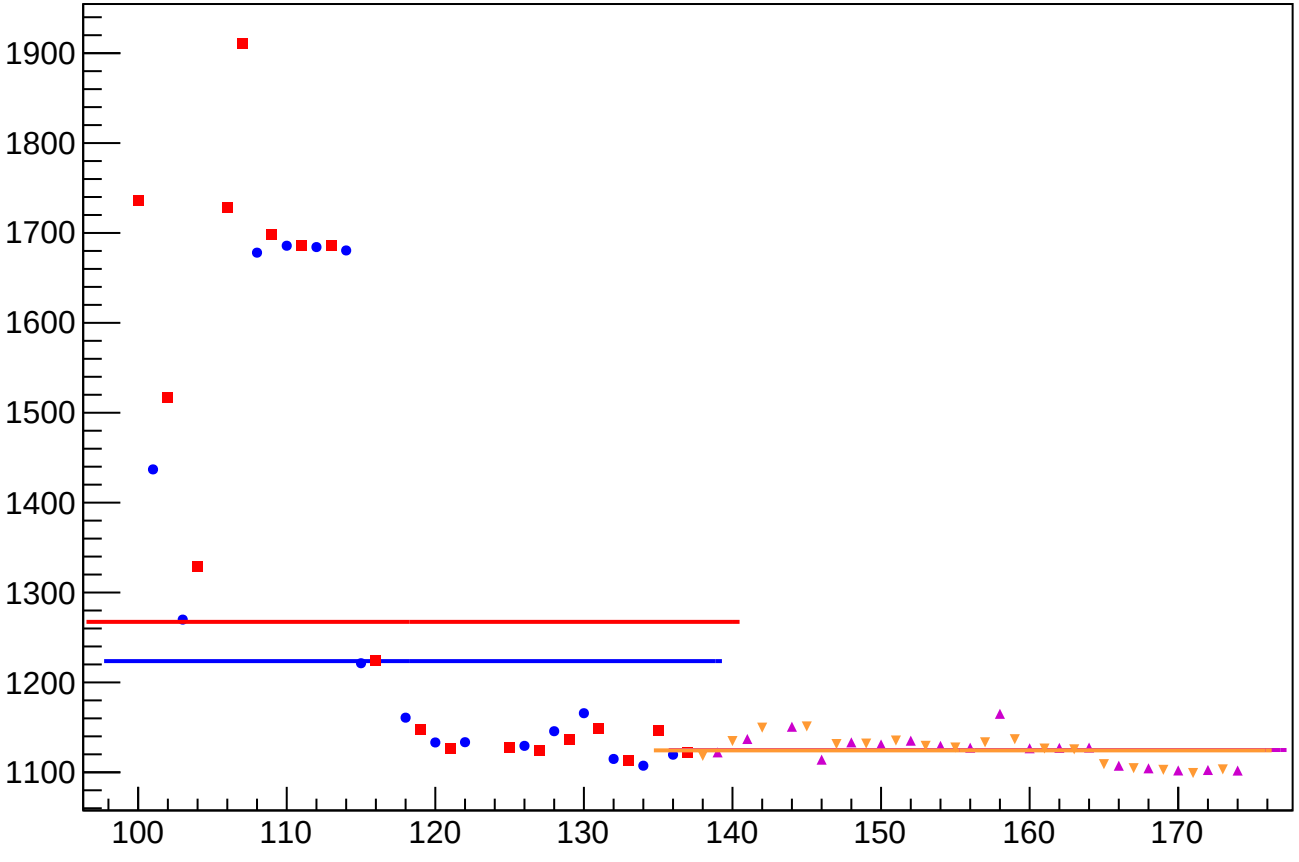
Right: 121.252+/-330.262 χ^2/NDF: 35.0/33

In: 15.668+/-246.163 χ^2/NDF:29.6/33

Out: 138.821+/-252.614 χ^2/NDF:40.9/35

All: 75.652+/-176.300 χ^2/NDF: 70.7/69

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: 1124.408+/-0.211 χ^2/NDF:4942.7/17

Right Out: 1267.363+/-0.336 χ^2/NDF: 439982.4/17

Left In: 1124.799+/-0.206 χ^2/NDF:6707.1/17

Left: 1124.608+/-0.147 χ^2/NDF: 11651.6/35

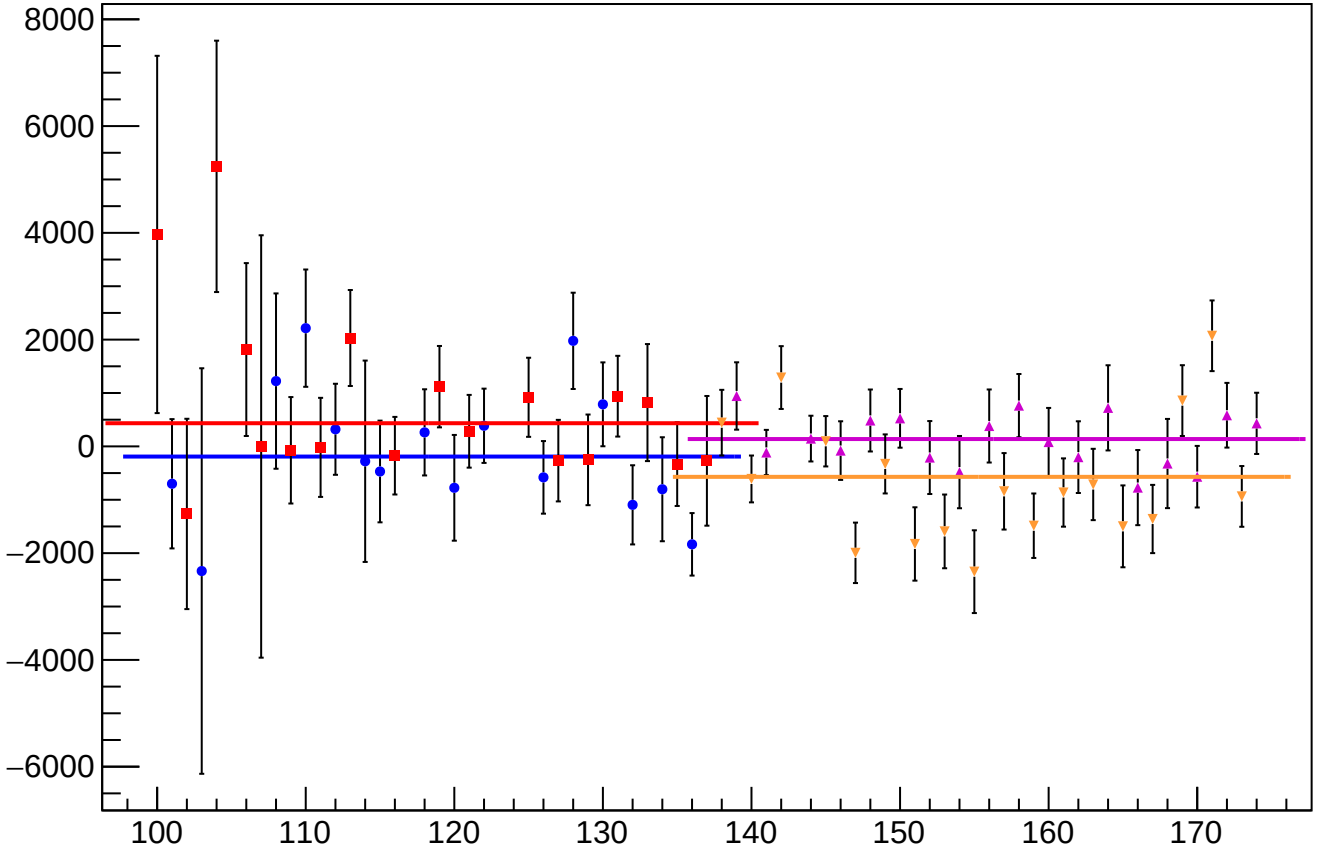
Right: 1244.783+/-0.234 χ^2/NDF: 743675.6/33

In: 1153.219+/-0.174 χ^2/NDF:367789.6/33

Out: 1164.787+/-0.179 χ^2/NDF:574736.4/35

All: 1158.853+/-0.125 χ^2/NDF: 944677.1/69

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -190.645+/-222.867 χ^2/NDF: 25.3/15

Left Out: -570.783+/-143.355 χ^2/NDF:58.7/17

Right Out: 433.877+/-223.547 χ^2/NDF: 15.9/17

Left In: 137.503+/-140.167 χ^2/NDF:10.4/17

Left: -208.677+/-100.221 χ^2/NDF: 81.6/35

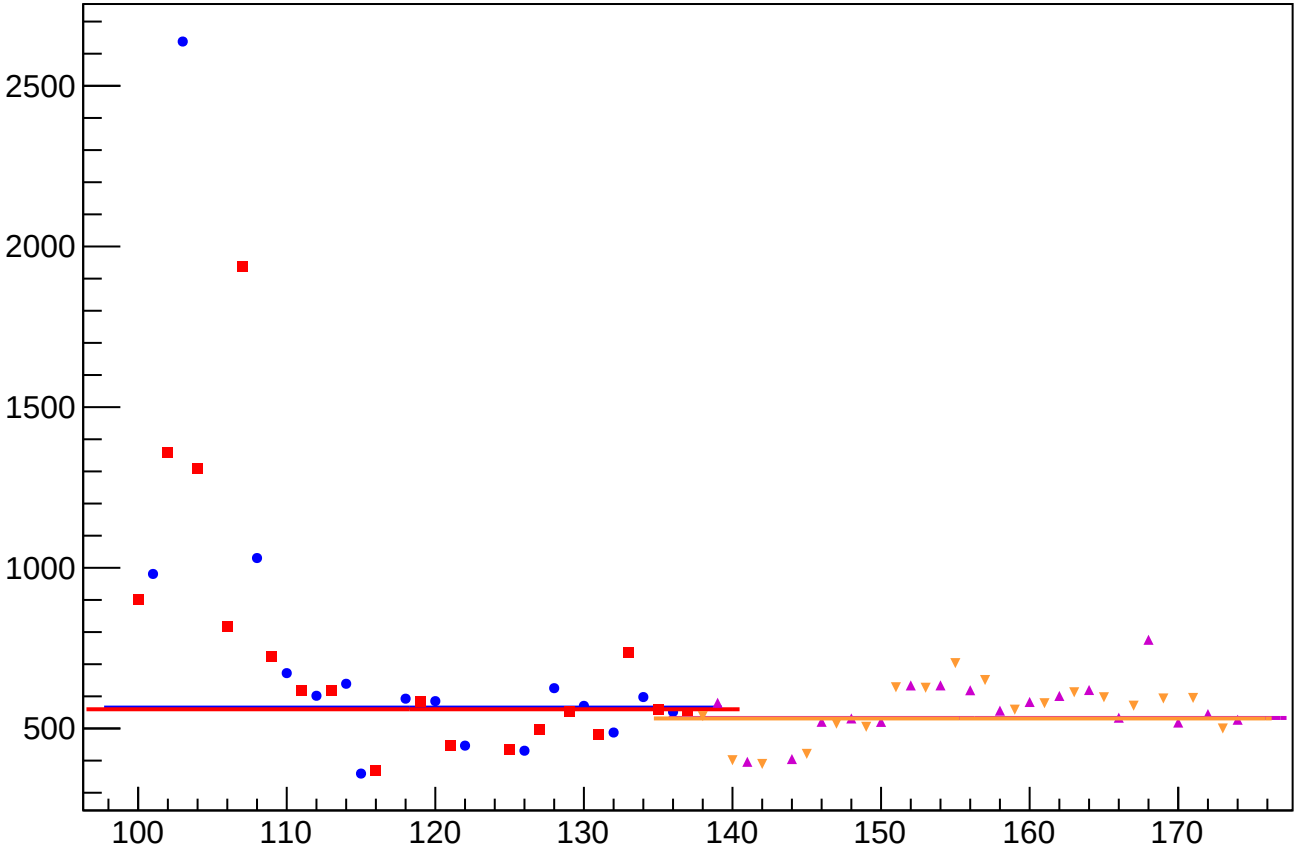
Right: 120.665+/-157.831 χ^2/NDF: 45.1/33

In: 44.494+/-118.652 χ^2/NDF:37.2/33

Out: -278.024+/-120.674 χ^2/NDF:88.9/35

All: -114.040+/-84.605 χ^2/NDF: 129.8/69

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 564.954+/-0.158 χ^2/NDF: 1284455.7/15

Left Out: 531.197+/-0.101 χ^2/NDF:748898.3/17

Right Out: 559.758+/-0.158 χ^2/NDF: 1329357.2/17

Left In: 532.711+/-0.099 χ^2/NDF:751074.1/17

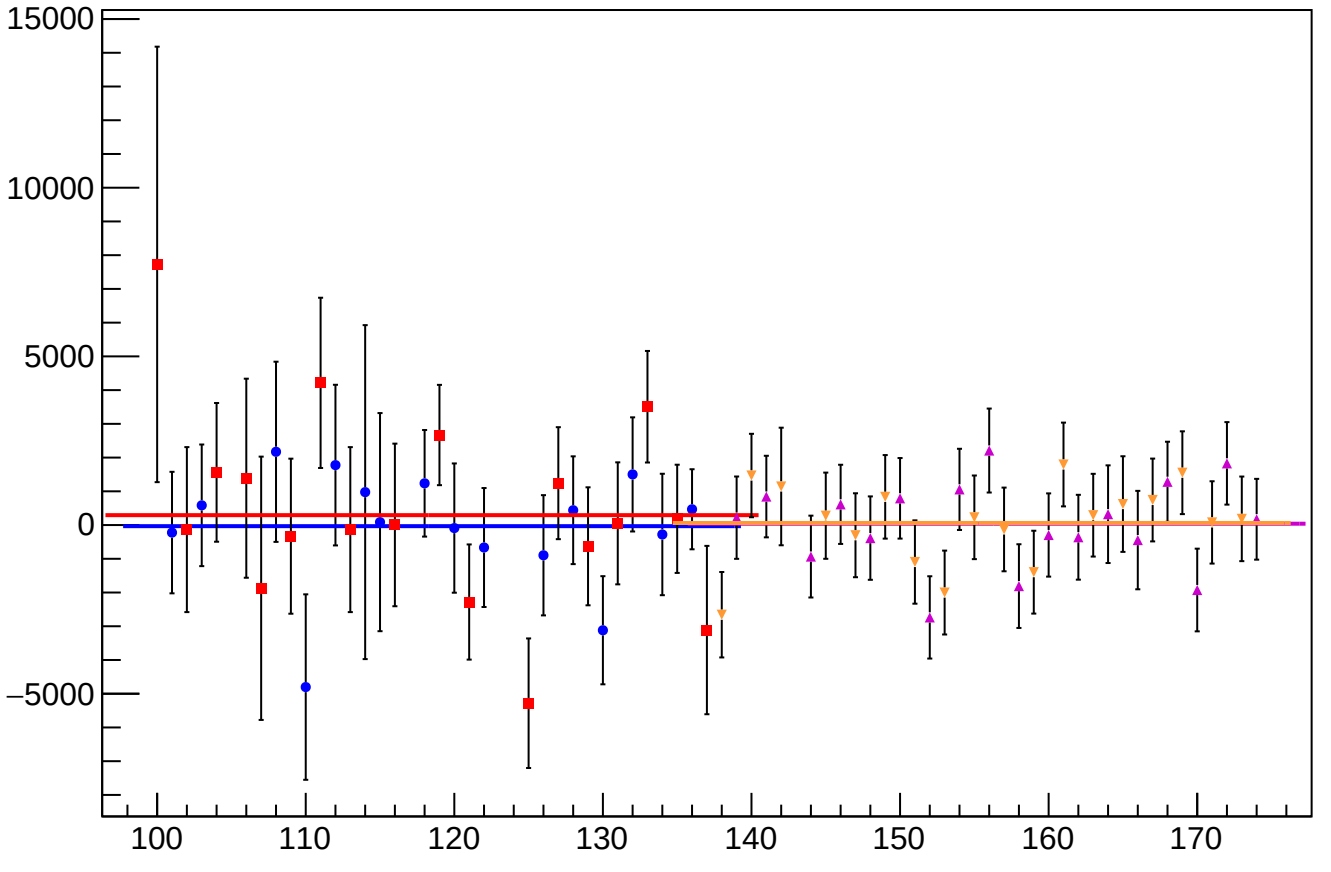
Left: 531.971+/-0.071 χ^2/NDF: 1500086.5/35

Right: 562.364+/-0.112 χ^2/NDF: 2614354.9/33

In: 541.850+/-0.084 χ^2/NDF:2065525.6/33

Out: 539.520+/-0.085 χ^2/NDF:2101388.1/35

All: 540.705+/-0.060 χ^2/NDF: 4167293.0/69



Right In: -33.062+/-463.216 χ^2/NDF: 10.3/15

Left Out: 61.068+/-298.394 χ^2/NDF:15.8/17

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 39.955+/-291.710 χ^2/NDF:19.2/17

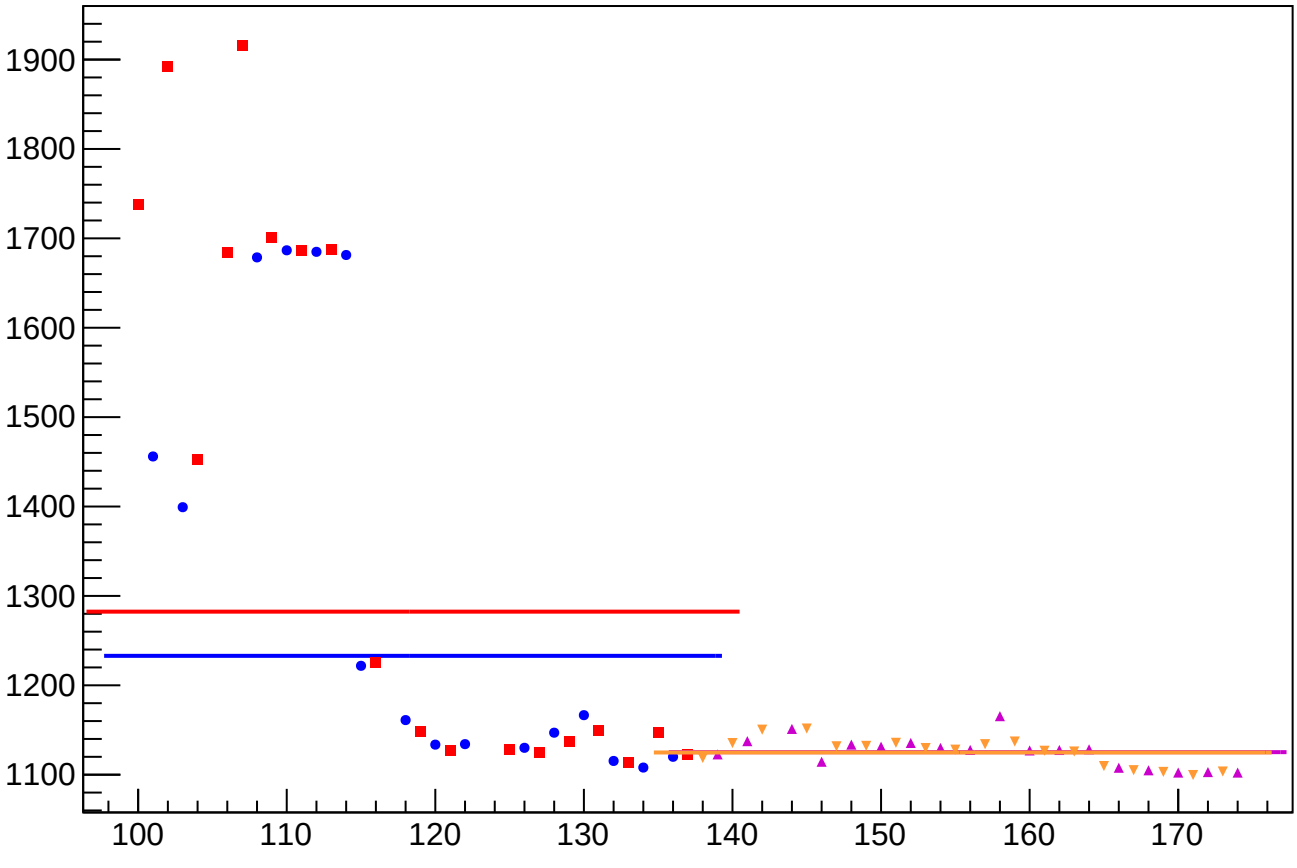
Left: 50.273+/-208.593 χ^2/NDF: 35.0/35

Right: 123.056+/-334.596 χ^2/NDF: 34.7/33

In: 19.221+/-246.841 χ^2/NDF:29.4/33

Out: 125.082+/-253.978 χ^2/NDF:40.2/35

All: 70.643+/-177.012 χ^2/NDF: 69.8/69



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.6/15

Left Out: 1124.857+/-0.211 χ^2/NDF:4958.4/17

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.8/17

Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

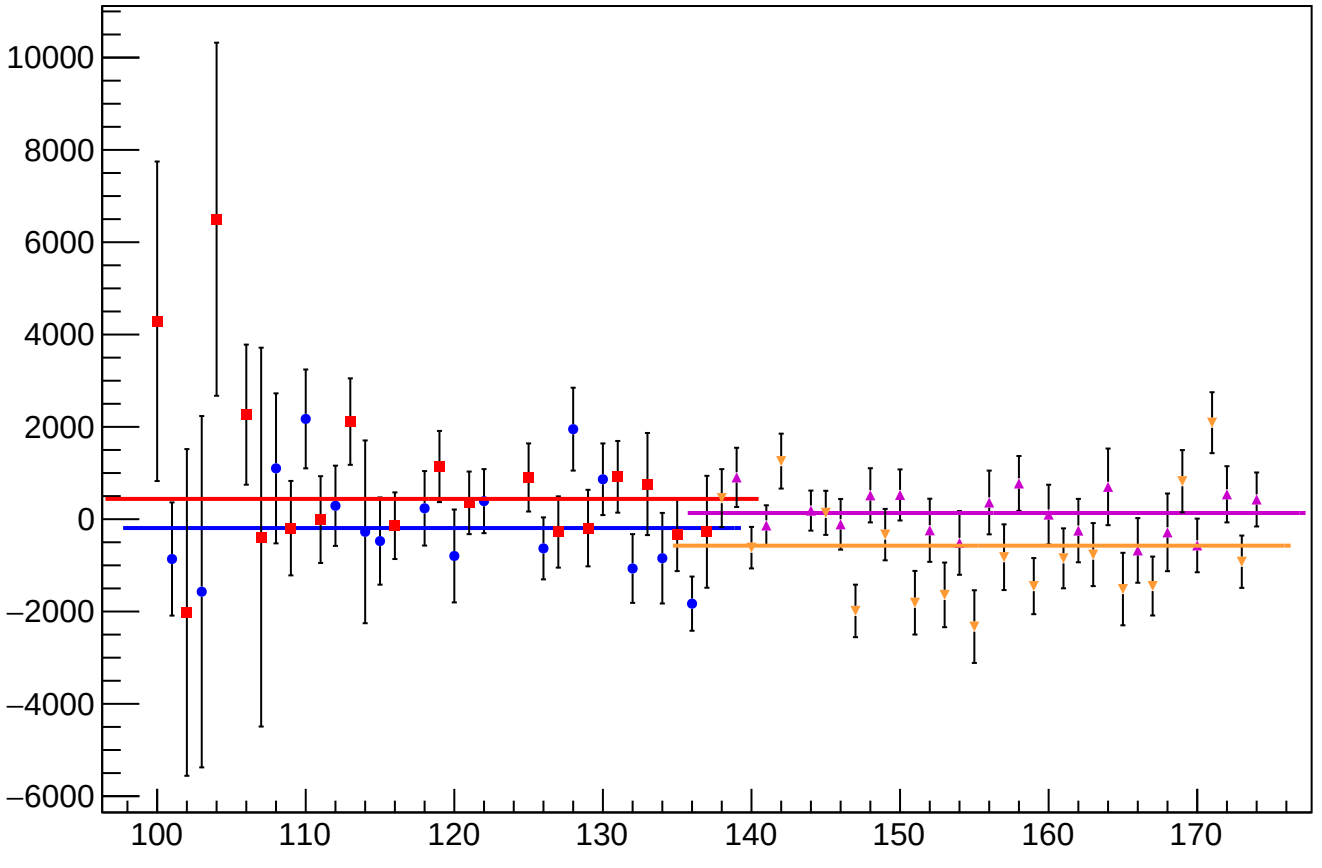
Left: 1125.051+/-0.147 χ^2/NDF: 11671.4/35

Right: 1256.610+/-0.237 χ^2/NDF: 869771.1/33

In: 1155.828+/-0.175 χ^2/NDF:399637.3/33

Out: 1168.269+/-0.180 χ^2/NDF:701993.0/35

All: 1161.871+/-0.125 χ^2/NDF: 1104098.1/69



Right In: -191.528+/-222.764 χ^2/NDF: 25.3/15

Left Out: -573.452+/-144.865 χ^2/NDF:58.0/17

Right Out: 439.610+/-226.600 χ^2/NDF: 14.6/17

Left In: 134.340+/-141.908 χ^2/NDF:9.9/17

Left: -212.259+/-101.373 χ^2/NDF: 80.1/35

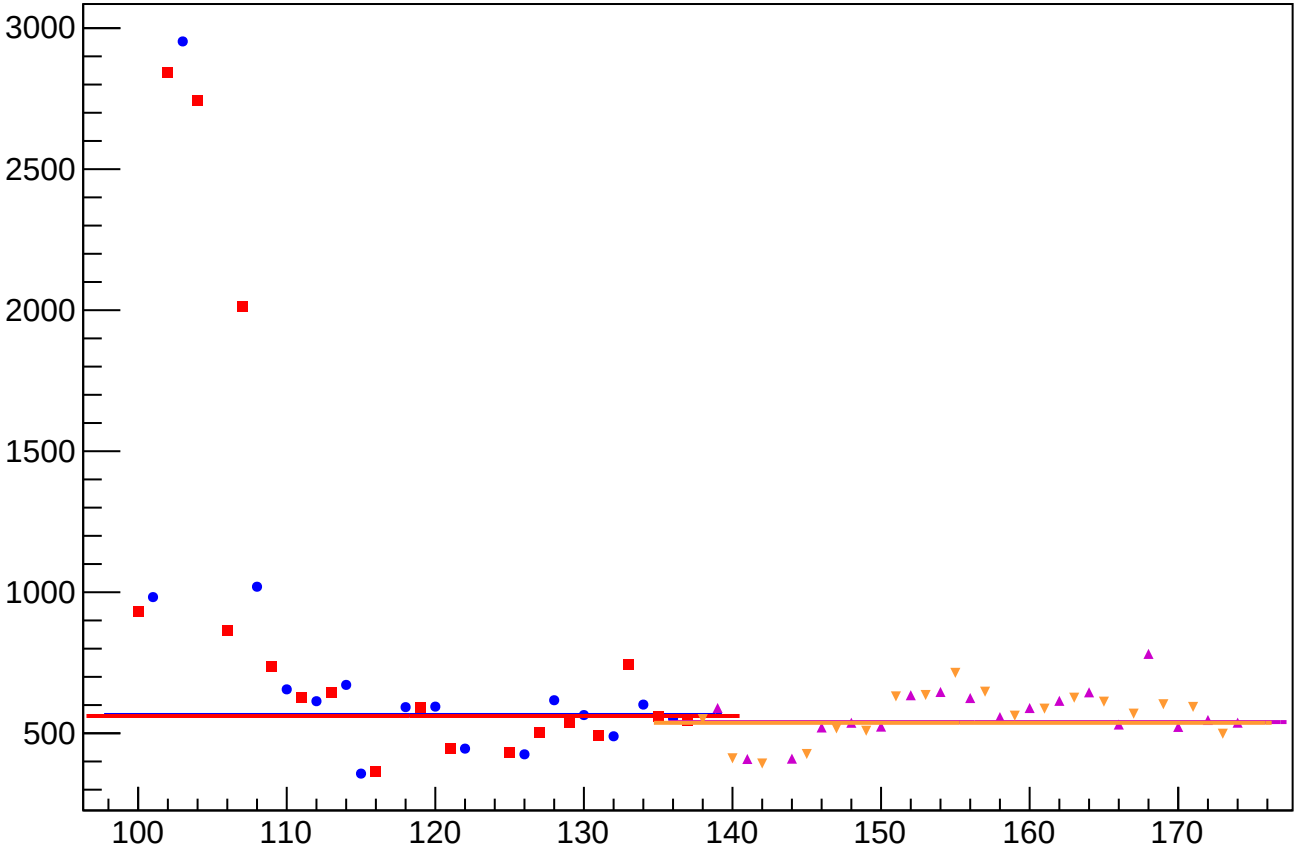
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 40.273+/-119.686 χ^2/NDF:36.7/33

Out: -279.538+/-122.054 χ^2/NDF:86.8/35

All: -116.499+/-85.456 χ^2/NDF: 127.1/69

asym_usl_atl1_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480375.5/15

Left Out: 537.089+/-0.102 χ^2/NDF:731541.7/17

Right Out: 561.273+/-0.160 χ^2/NDF: 2273371.7/17

Left In: 539.681+/-0.100 χ^2/NDF:729469.9/17

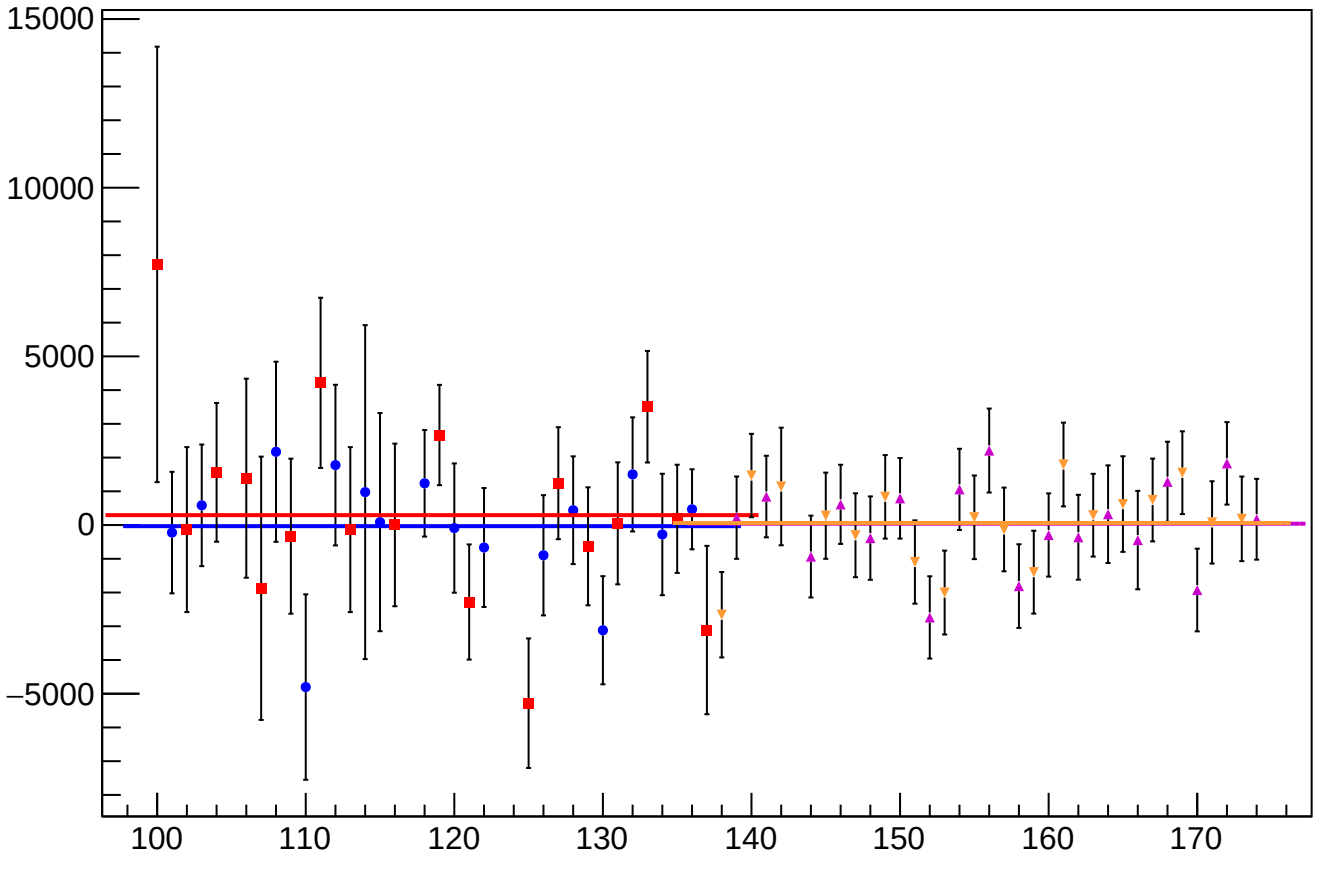
Left: 538.412+/-0.072 χ^2/NDF: 1461338.4/35

Right: 563.103+/-0.112 χ^2/NDF: 3754003.6/33

In: 546.952+/-0.085 χ^2/NDF:2228036.8/33

Out: 544.105+/-0.086 χ^2/NDF:3021085.0/35

All: 545.557+/-0.060 χ^2/NDF: 5249676.6/69



Right In: -33.061+/-463.216 χ^2/NDF: 10.3/15

Left Out: 61.066+/-298.394 χ^2/NDF:15.8/17

Right Out: 293.384+/-483.838 χ^2/NDF: 24.2/17

Left In: 39.956+/-291.710 χ^2/NDF:19.2/17

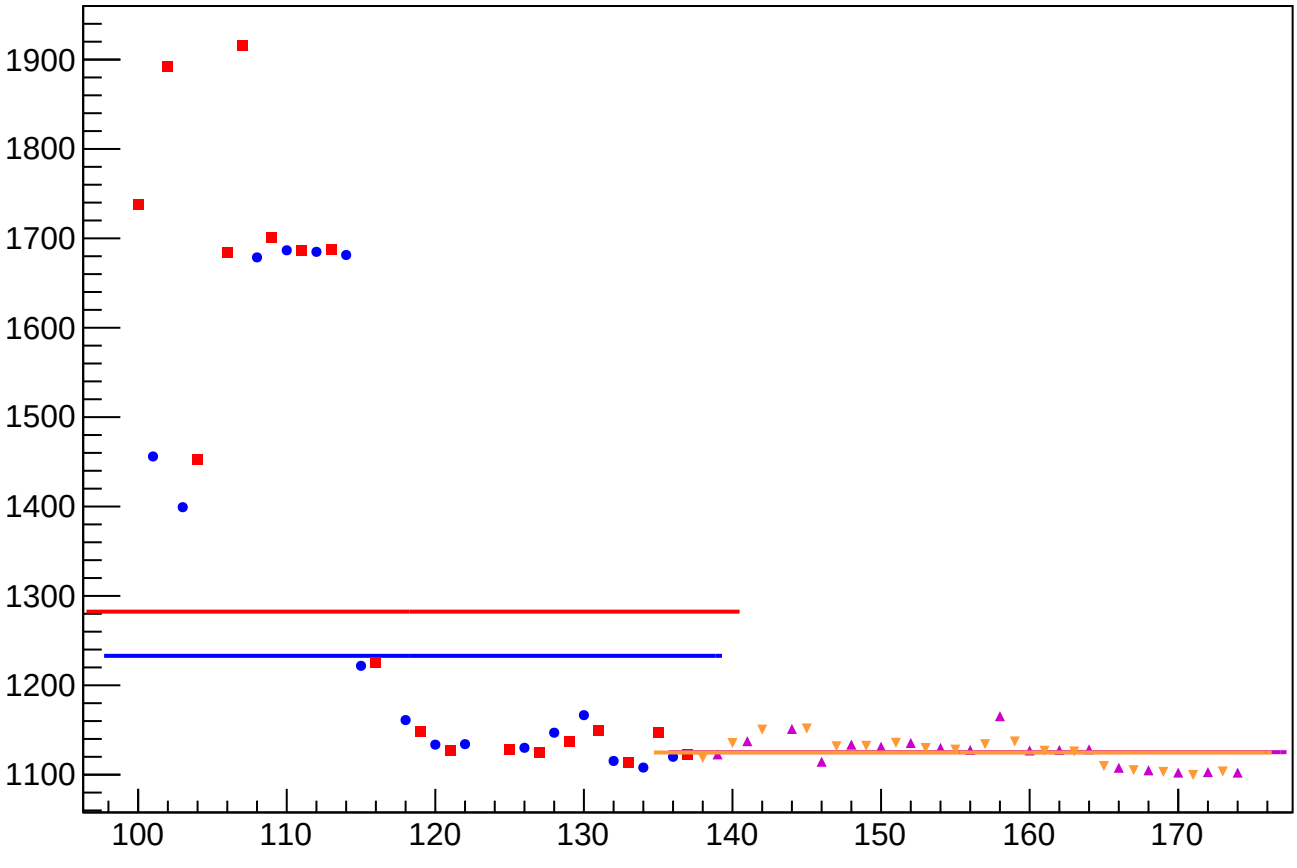
Left: 50.272+/-208.593 χ^2/NDF: 35.0/35

Right: 123.057+/-334.596 χ^2/NDF: 34.7/33

In: 19.221+/-246.841 χ^2/NDF:29.4/33

Out: 125.080+/-253.978 χ^2/NDF:40.2/35

All: 70.643+/-177.012 χ^2/NDF: 69.8/69



Right In: 1232.965+/-0.328 χ^2/NDF: 315470.2/15

Left Out: 1124.857+/-0.211 χ^2/NDF:4958.4/17

Right Out: 1282.407+/-0.342 χ^2/NDF: 543403.2/17

Left In: 1125.237+/-0.206 χ^2/NDF:6711.4/17

Left: 1125.051+/-0.147 χ^2/NDF: 11671.4/35

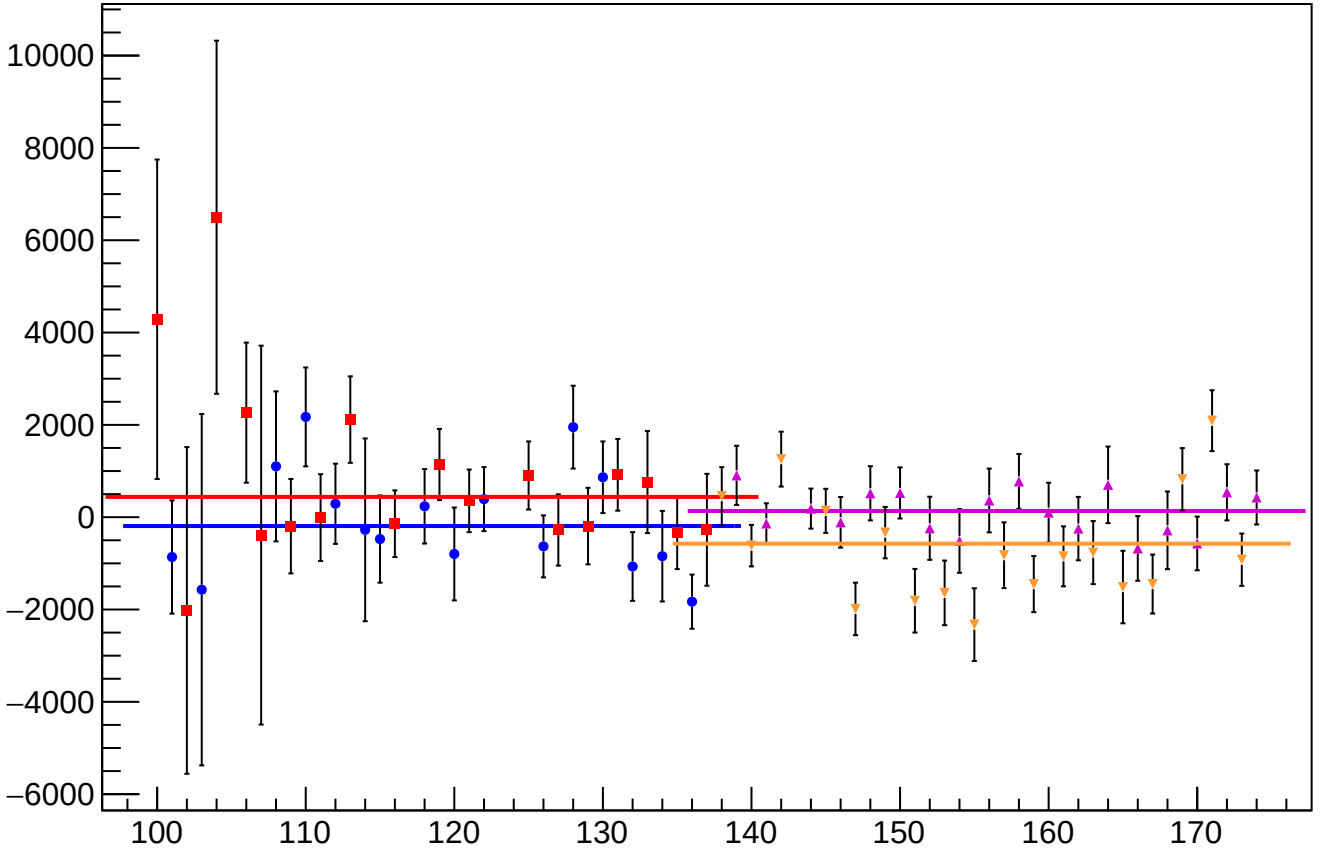
Right: 1256.610+/-0.237 χ^2/NDF: 869770.2/33

In: 1155.828+/-0.175 χ^2/NDF:399636.8/33

Out: 1168.269+/-0.180 χ^2/NDF:701992.3/35

All: 1161.871+/-0.125 χ^2/NDF: 1104096.9/69

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -191.527+/-222.763 χ^2/NDF: 25.3/15

Left Out: -573.450+/-144.864 χ^2/NDF:58.0/17

Right Out: 439.611+/-226.600 χ^2/NDF: 14.6/17

Left In: 134.340+/-141.908 χ^2/NDF:9.9/17

Left: -212.258+/-101.373 χ^2/NDF: 80.1/35

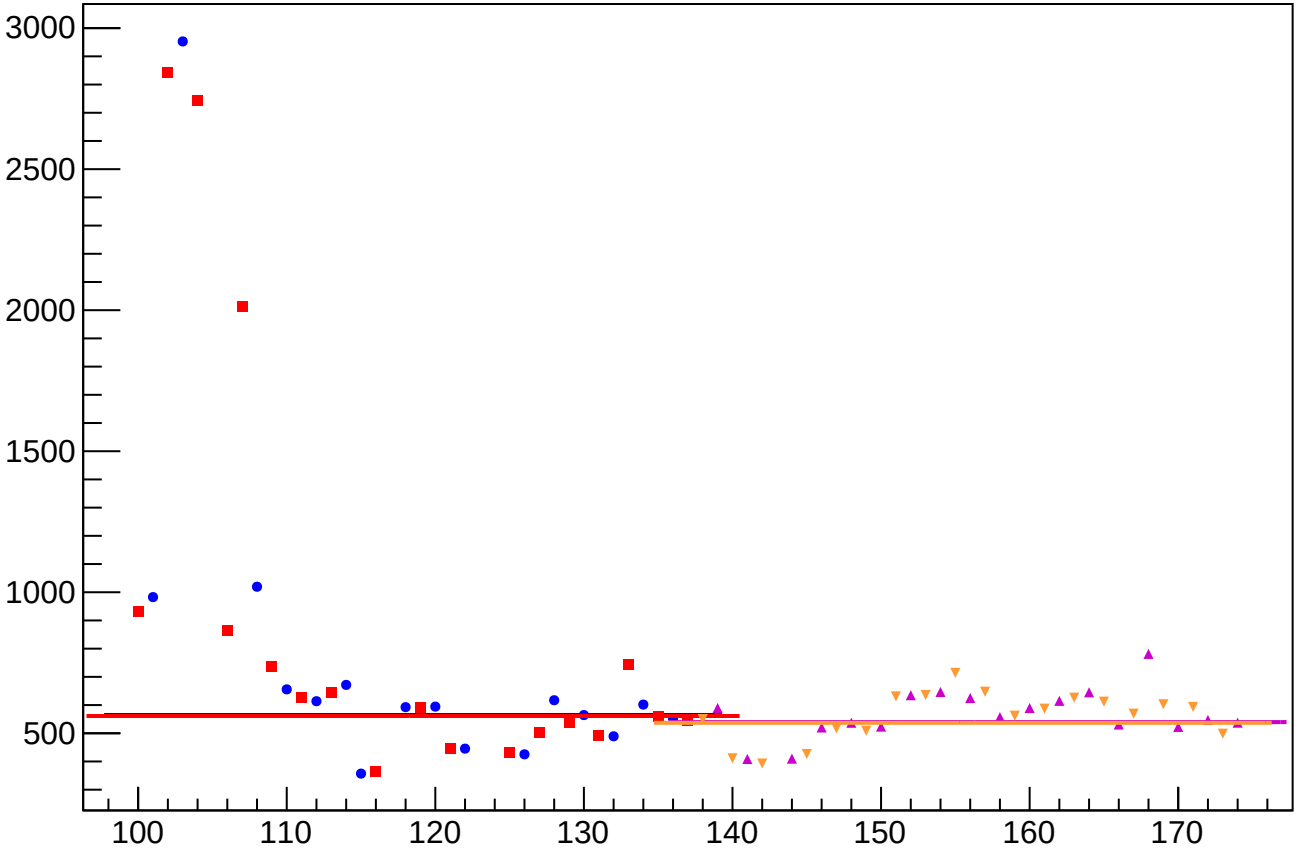
Right: 118.653+/-158.857 χ^2/NDF: 43.9/33

In: 40.273+/-119.686 χ^2/NDF:36.7/33

Out: -279.537+/-122.054 χ^2/NDF:86.8/35

All: -116.499+/-85.456 χ^2/NDF: 127.1/69

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 564.871+/-0.158 χ^2/NDF: 1480372.9/15

Left Out: 537.088+/-0.102 χ^2/NDF:731560.0/17

Right Out: 561.273+/-0.160 χ^2/NDF: 2273372.4/17

Left In: 539.680+/-0.100 χ^2/NDF:729482.3/17

Left: 538.411+/-0.072 χ^2/NDF: 1461369.1/35

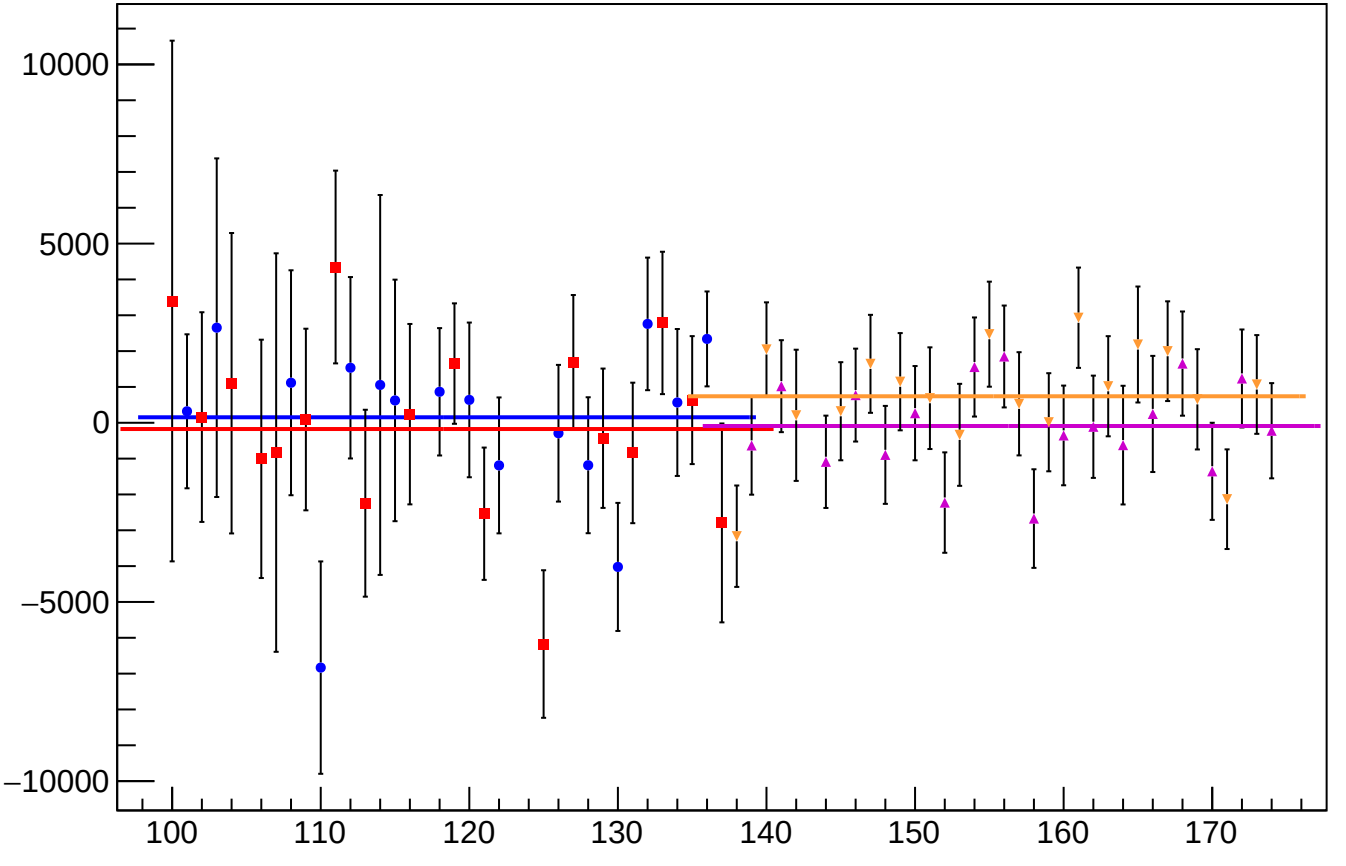
Right: 563.103+/-0.112 χ^2/NDF: 3754001.7/33

In: 546.952+/-0.085 χ^2/NDF:2228047.4/33

Out: 544.105+/-0.086 χ^2/NDF:3021104.8/35

All: 545.556+/-0.060 χ^2/NDF: 5249707.1/69

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 153.375+/-532.096 χ^2/NDF: 17.8/15

Left Out: 739.667+/-334.509 χ^2/NDF:20.0/17

Right Out: -174.319+/-550.153 χ^2/NDF: 19.7/17

Left In: -90.033+/-326.585 χ^2/NDF:14.9/17

Left: 314.874+/-233.682 χ^2/NDF: 38.1/35

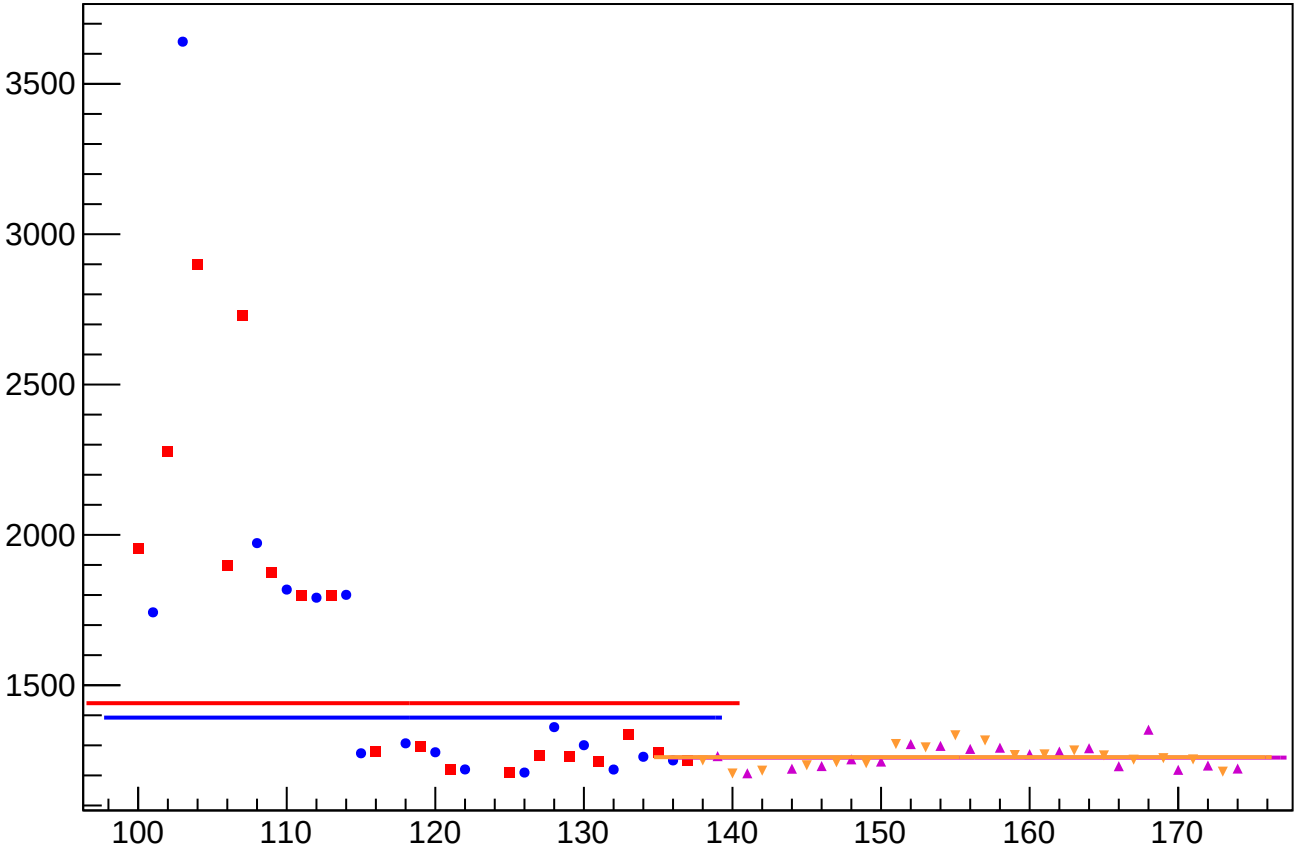
Right: -5.006+/-382.473 χ^2/NDF: 37.6/33

In: -23.428+/-278.339 χ^2/NDF:32.9/33

Out: 492.971+/-285.821 χ^2/NDF:41.7/35

All: 227.924+/-199.408 χ^2/NDF: 76.2/69

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1392.299+/-0.376 χ^2/NDF: 779240.9/15

Left Out: 1260.713+/-0.237 χ^2/NDF:20387.5/17

Right Out: 1440.222+/-0.389 χ^2/NDF: 854885.8/17

Left In: 1259.268+/-0.231 χ^2/NDF:25819.6/17

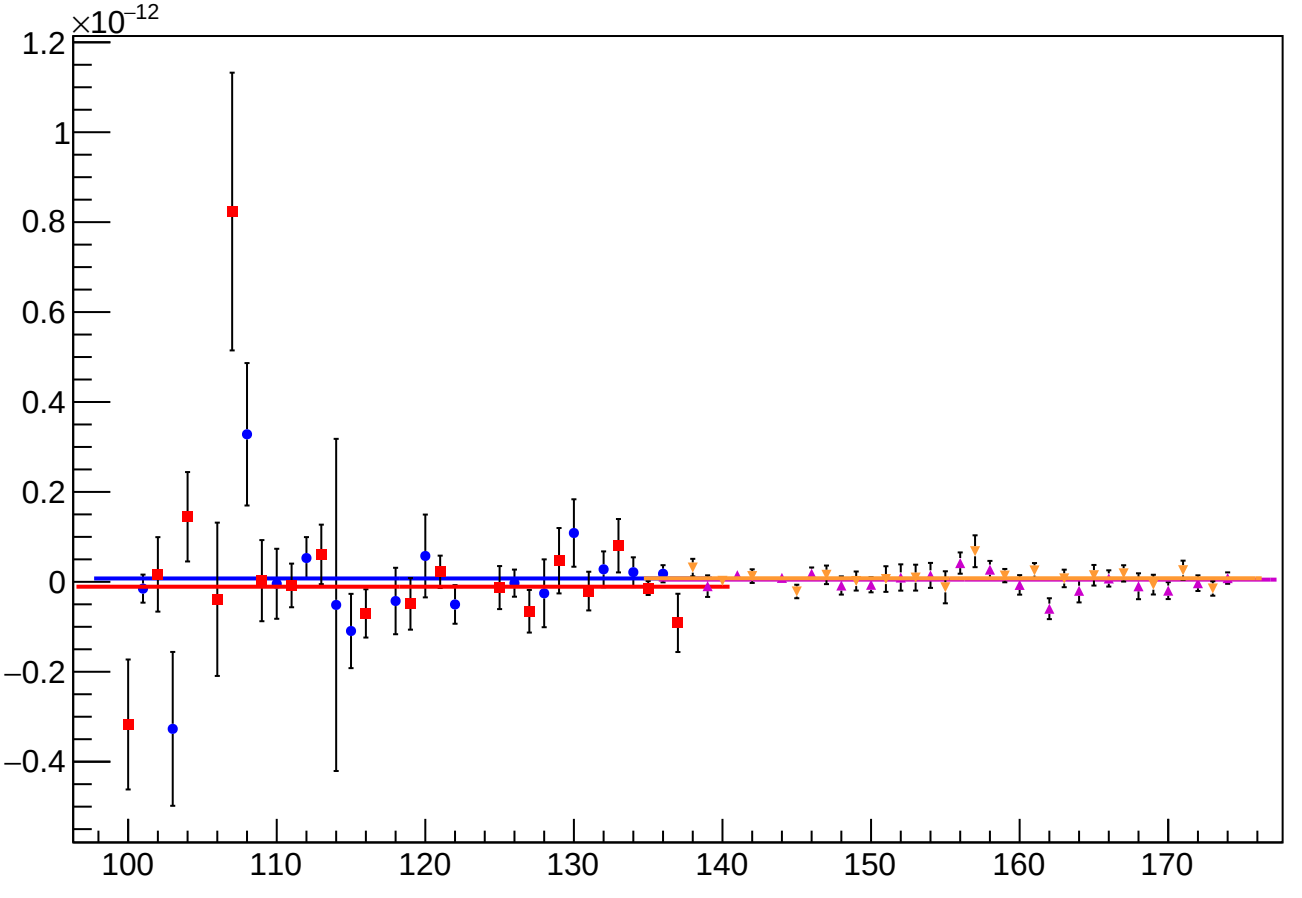
Left: 1259.973+/-0.165 χ^2/NDF: 46226.2/35

Right: 1415.461+/-0.270 χ^2/NDF: 1641967.9/33

In: 1295.670+/-0.197 χ^2/NDF:895864.7/33

Out: 1309.165+/-0.202 χ^2/NDF:1030730.6/35

All: 1302.238+/-0.141 χ^2/NDF: 1928883.7/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.9/17

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/17

Left In: 0.000+/-0.000 χ^2/NDF:18.5/17

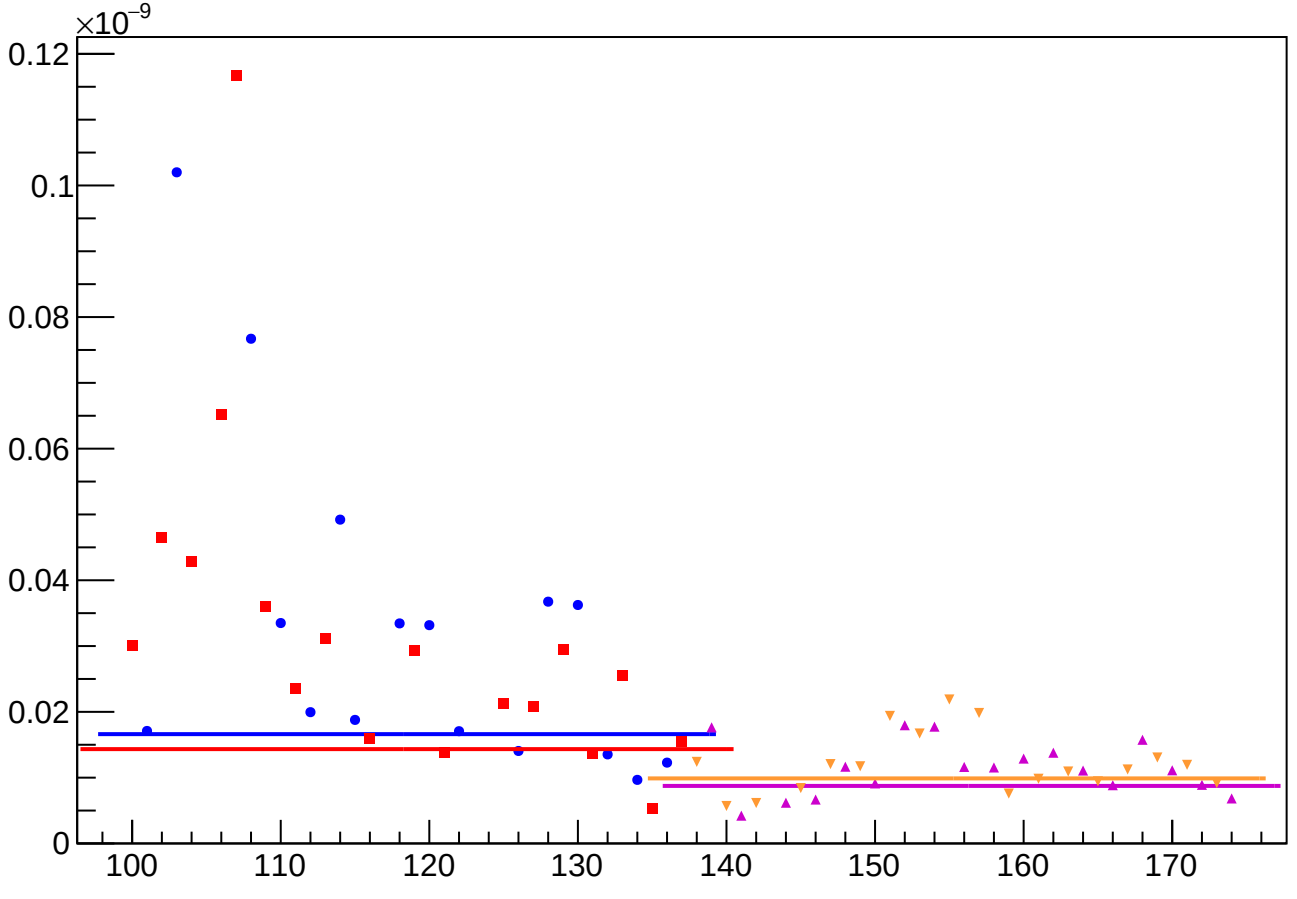
Left: 0.000+/-0.000 χ^2/NDF: 32.7/35

Right: -0.000+/-0.000 χ^2/NDF: 42.4/33

In: 0.000+/-0.000 χ^2/NDF:35.4/33

Out: 0.000+/-0.000 χ^2/NDF:40.6/35

All: 0.000+/-0.000 χ^2/NDF: 76.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 1573068.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1346106.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2258014.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1804819.0/17

Left: 0.000+/-0.000 χ^2/NDF: 3224697.5/35

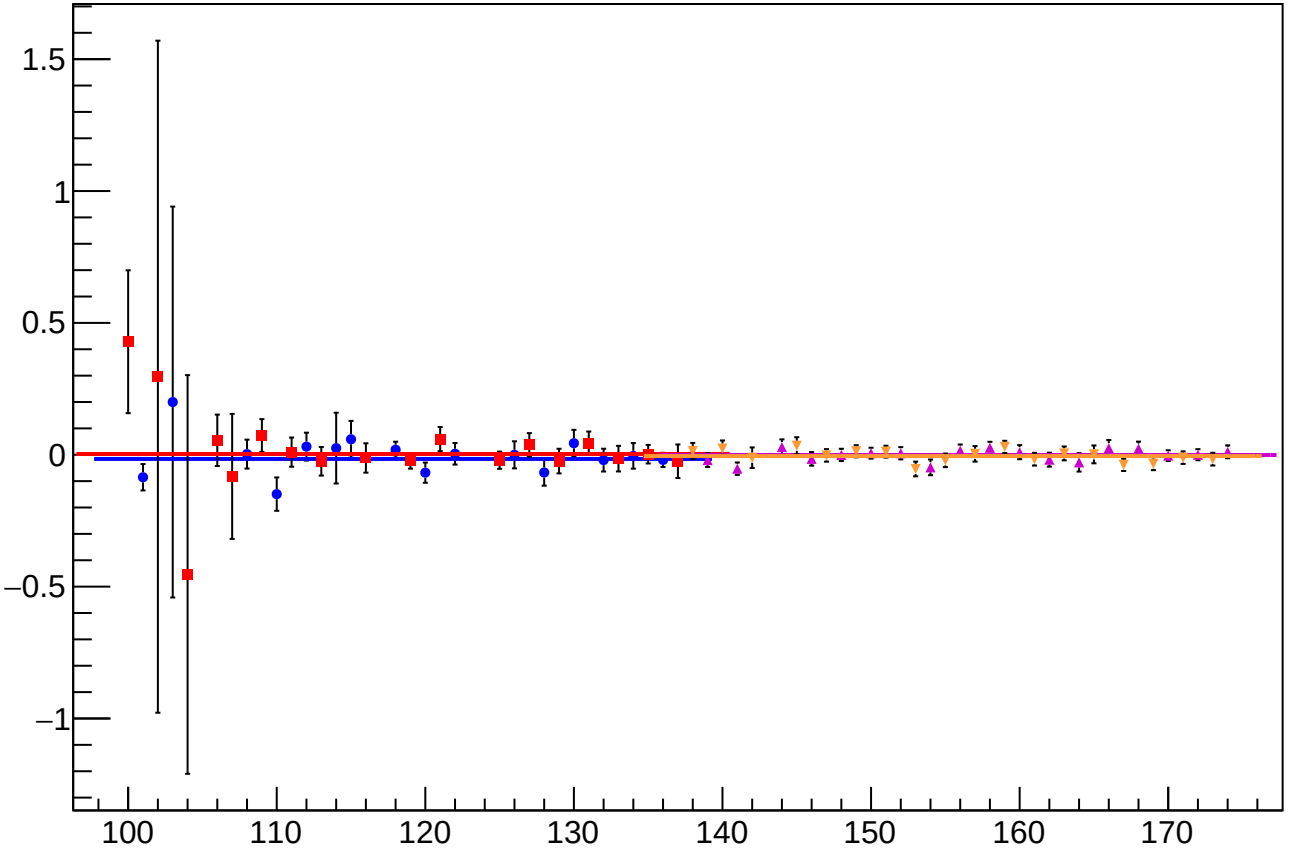
Right: 0.000+/-0.000 χ^2/NDF: 3876075.8/33

In: 0.000+/-0.000 χ^2/NDF:4300467.6/33

Out: 0.000+/-0.000 χ^2/NDF:3905281.9/35

All: 0.000+/-0.000 χ^2/NDF: 8252628.9/69

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.5/35

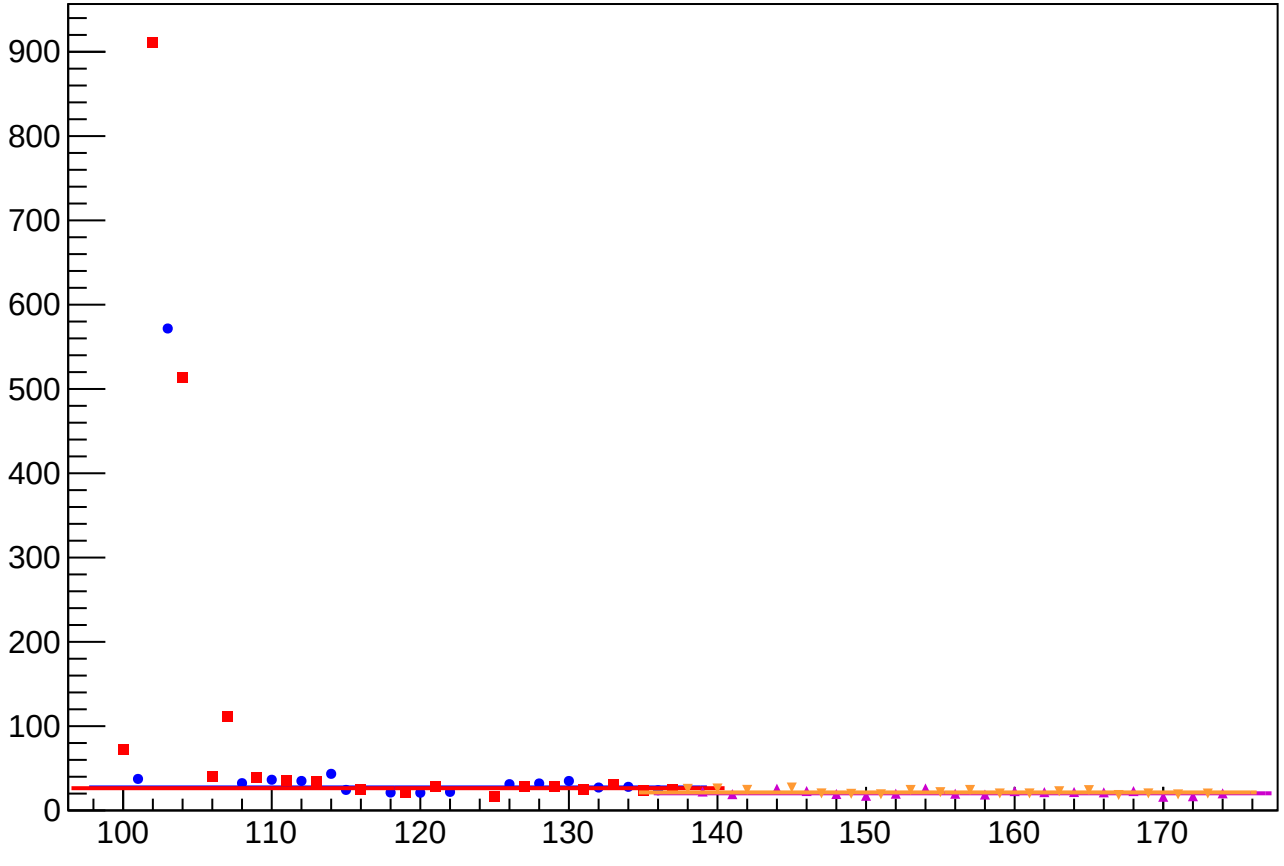
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.5/69

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.394+/-0.004 χ^2/NDF:330086.1/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421773.8/17

Left: 20.838+/-0.003 χ^2/NDF: 782405.4/35

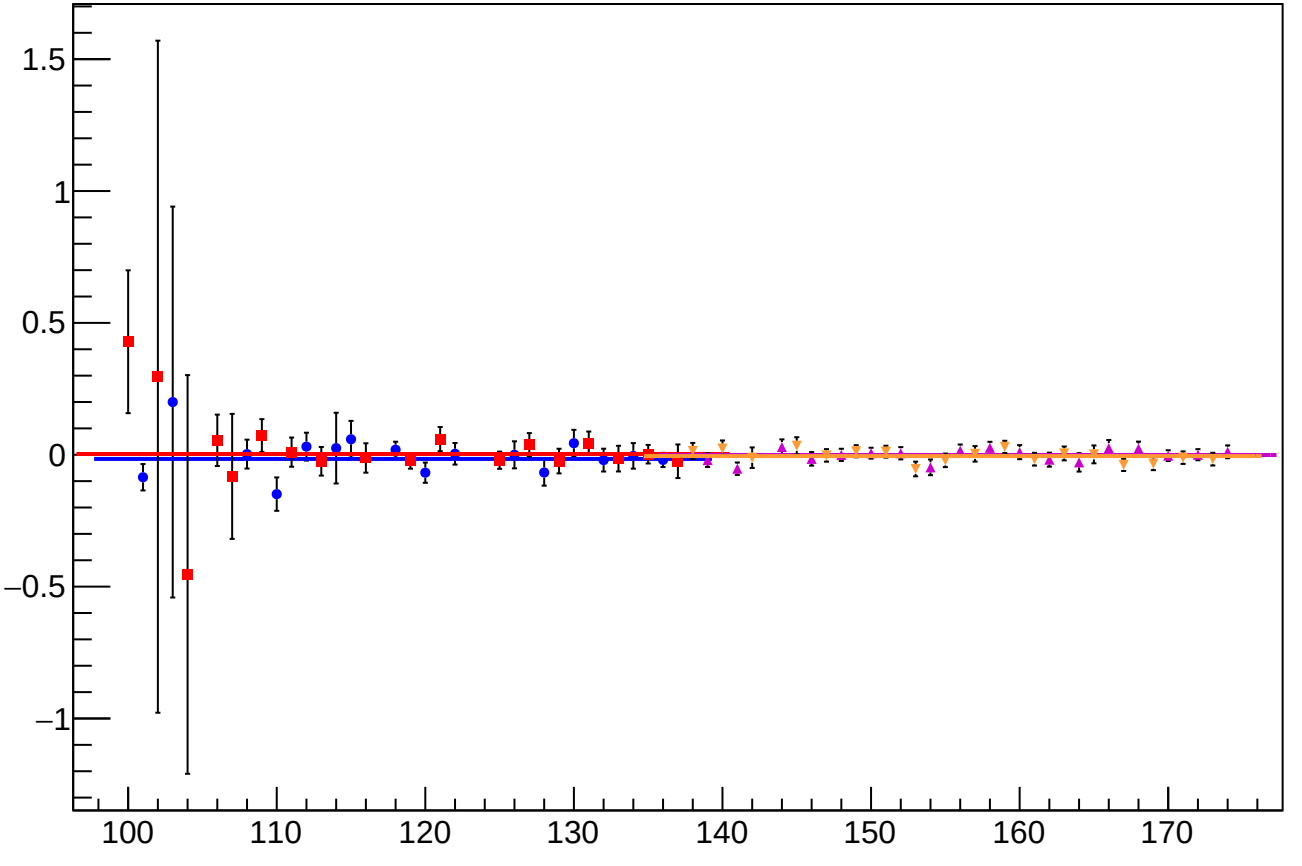
Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.756+/-0.004 χ^2/NDF:2568317.9/33

Out: 22.441+/-0.004 χ^2/NDF:3219050.8/35

All: 22.080+/-0.003 χ^2/NDF: 5803731.1/69

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.5/35

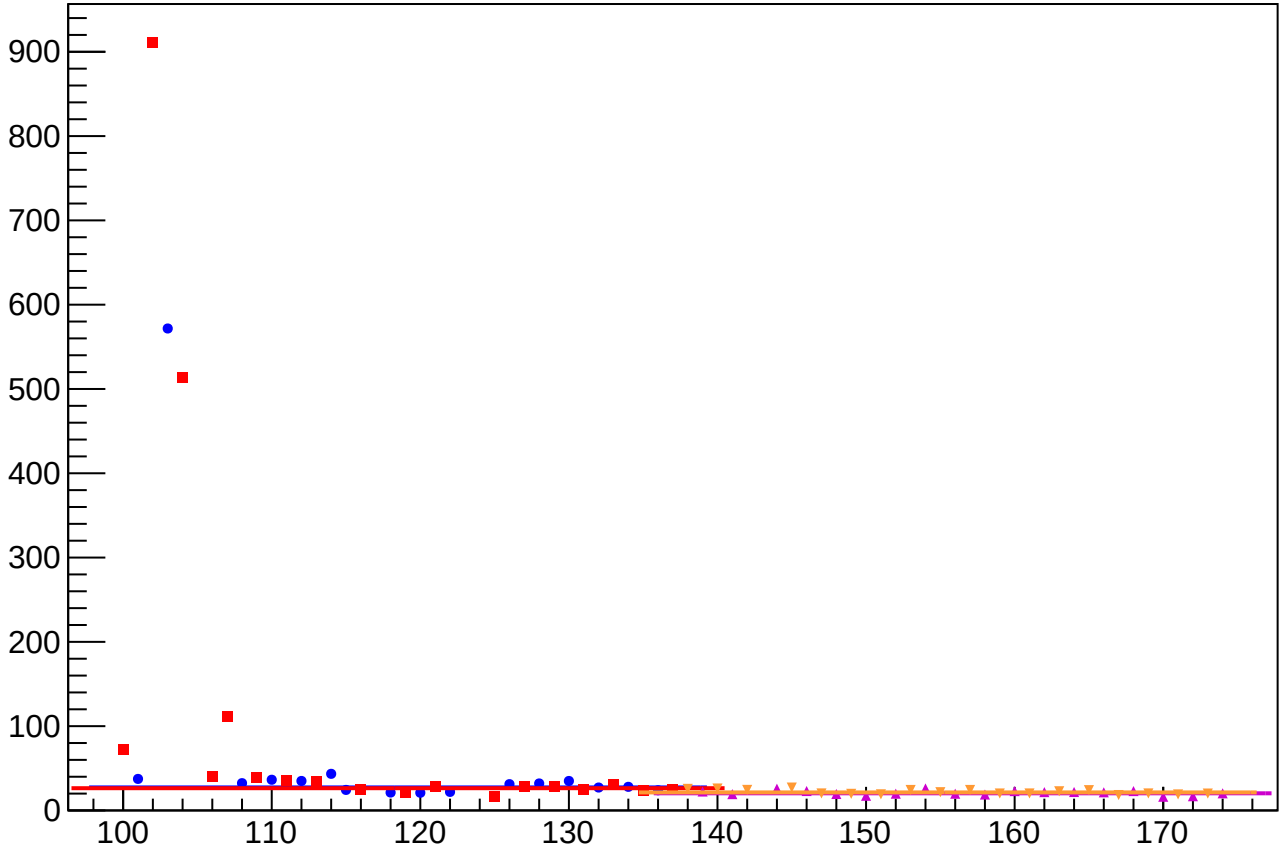
Right: -0.007+/-0.008 χ^2/NDF: 25.8/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.5/69

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568329.0/15

Left Out: 21.394+/-0.004 χ^2/NDF:330086.1/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614691.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421773.8/17

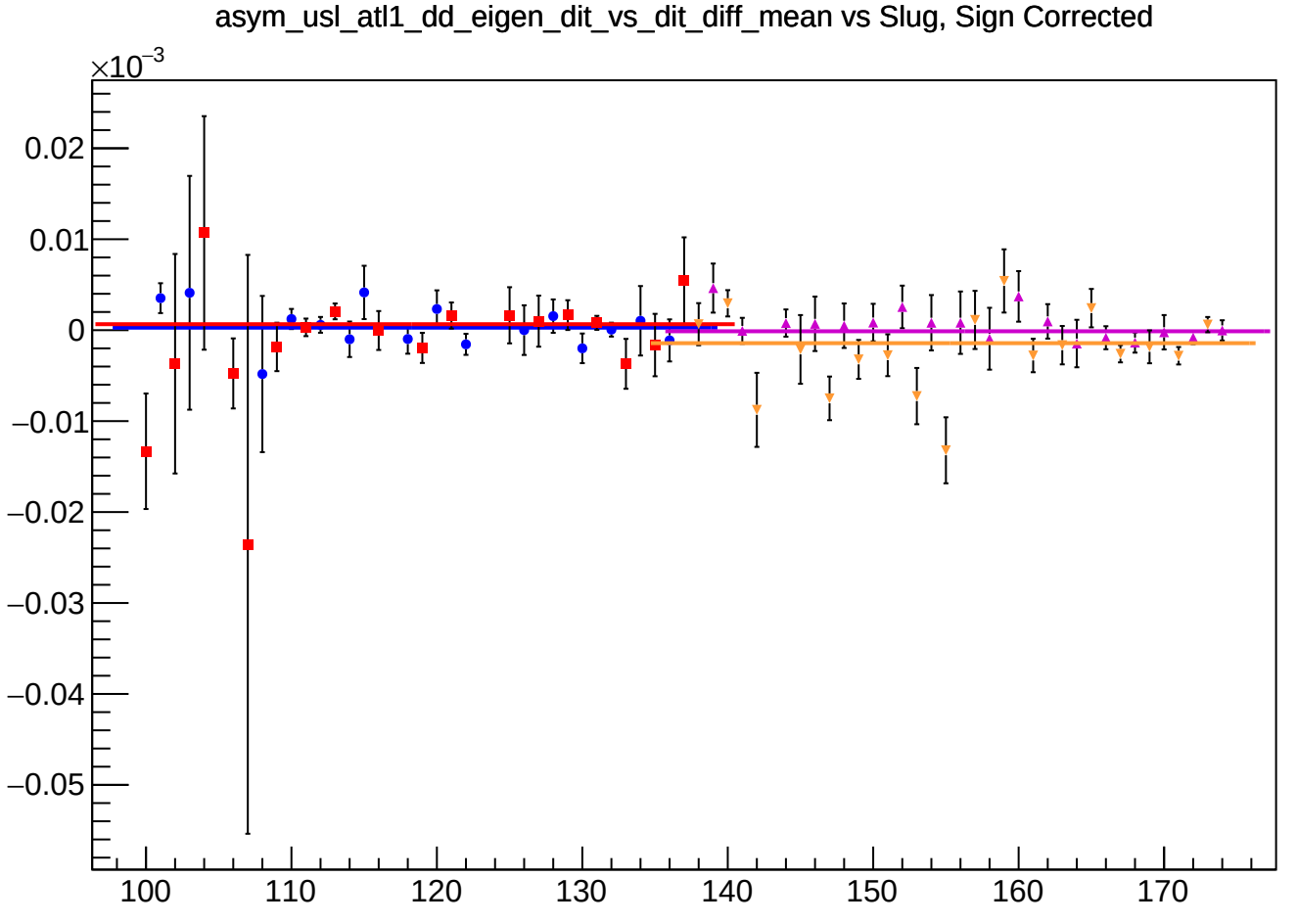
Left: 20.838+/-0.003 χ^2/NDF: 782405.4/35

Right: 26.870+/-0.006 χ^2/NDF: 4188911.1/33

In: 21.756+/-0.004 χ^2/NDF:2568317.9/33

Out: 22.441+/-0.004 χ^2/NDF:3219050.8/35

All: 22.080+/-0.003 χ^2/NDF: 5803731.1/69



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.3/17

Left In: -0.000+/-0.000 χ^2/NDF:10.3/17

Left: -0.000+/-0.000 χ^2/NDF: 68.8/35

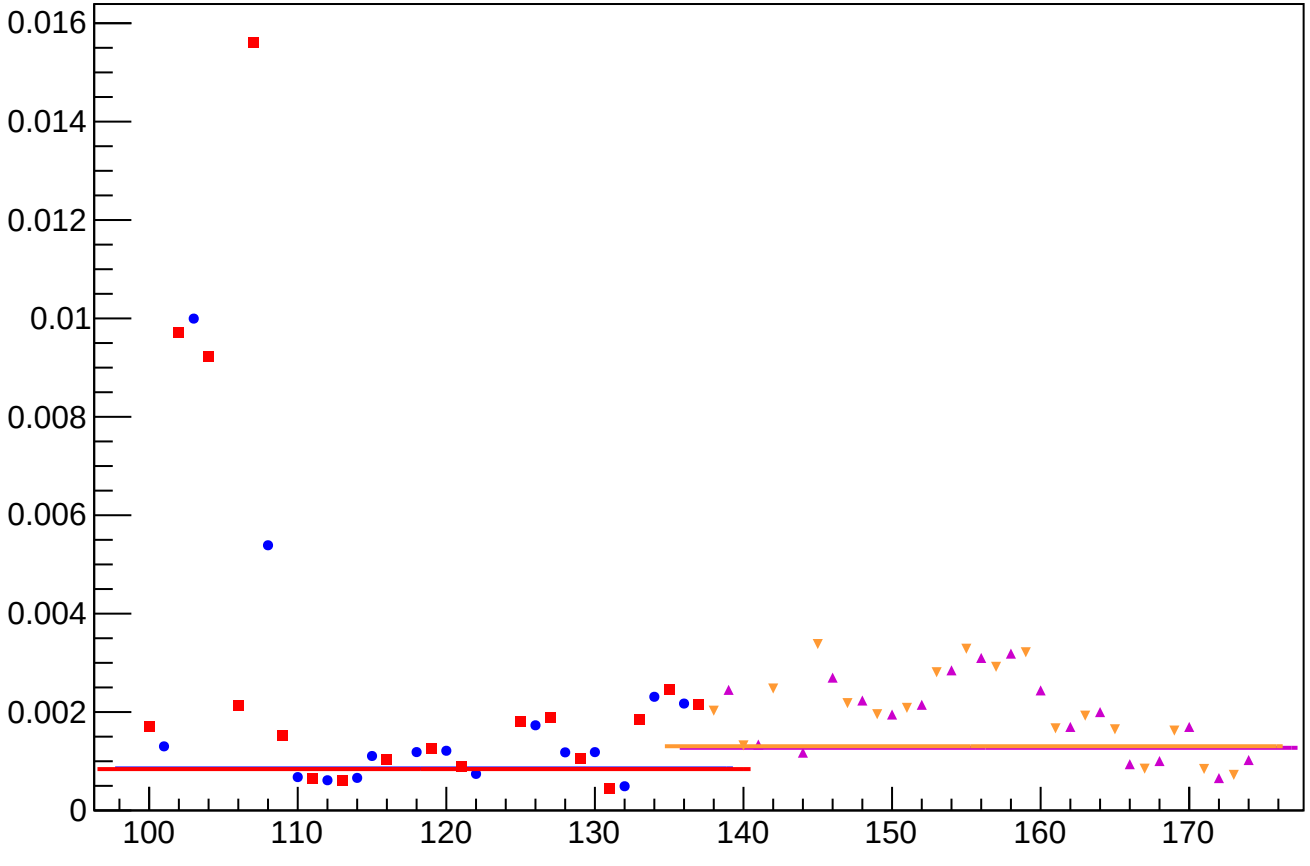
Right: 0.000+/-0.000 χ^2/NDF: 34.2/33

In: 0.000+/-0.000 χ^2/NDF:25.3/33

Out: -0.000+/-0.000 χ^2/NDF:85.9/35

All: -0.000+/-0.000 χ^2/NDF: 112.7/69

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3863719.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:6091834.2/17

Right Out: 0.001+/-0.000 χ^2/NDF: 5039455.2/17

Left In: 0.001+/-0.000 χ^2/NDF:5864082.4/17

Left: 0.001+/-0.000 χ^2/NDF: 11962748.0/35

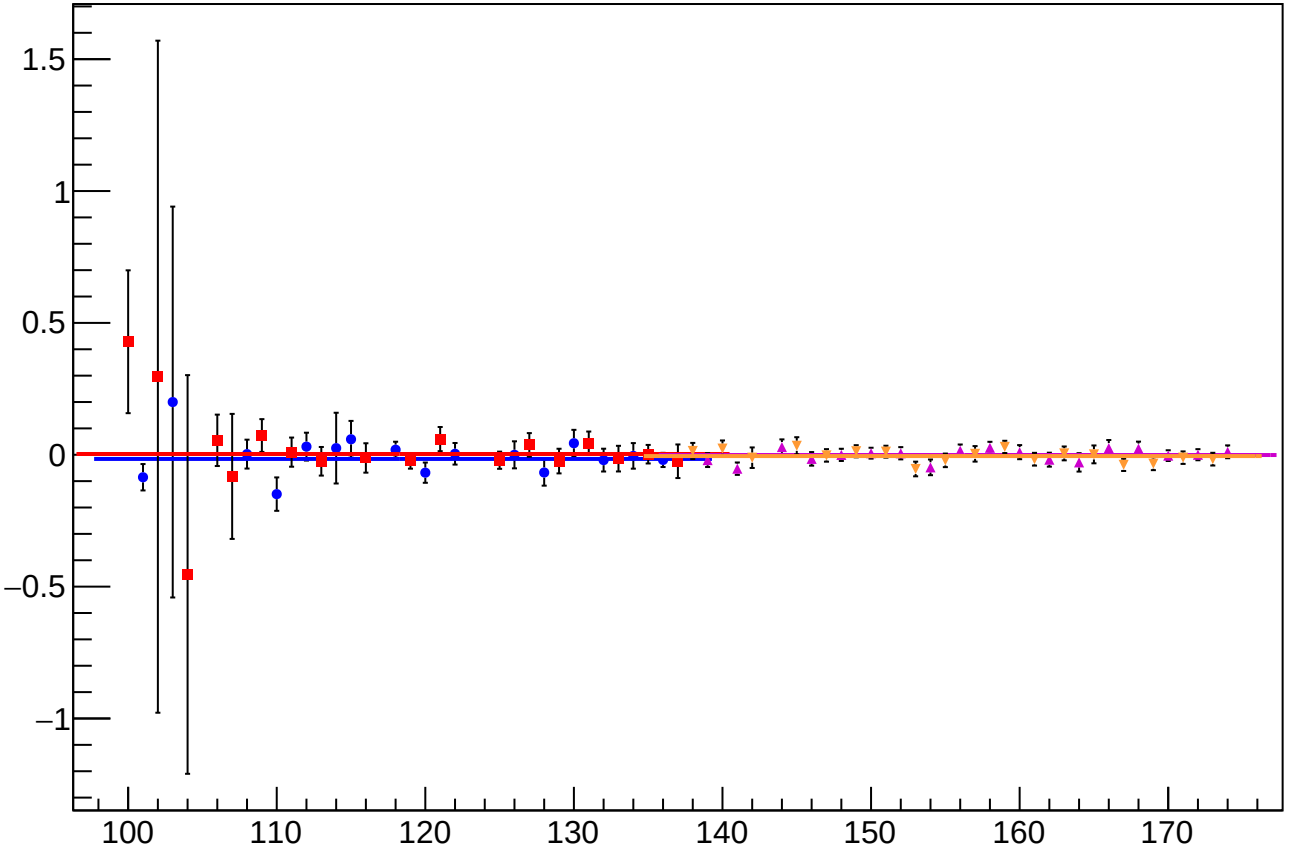
Right: 0.001+/-0.000 χ^2/NDF: 8904244.0/33

In: 0.001+/-0.000 χ^2/NDF:10966972.0/33

Out: 0.001+/-0.000 χ^2/NDF:12501776.7/35

All: 0.001+/-0.000 χ^2/NDF: 23471086.9/69

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.5/35

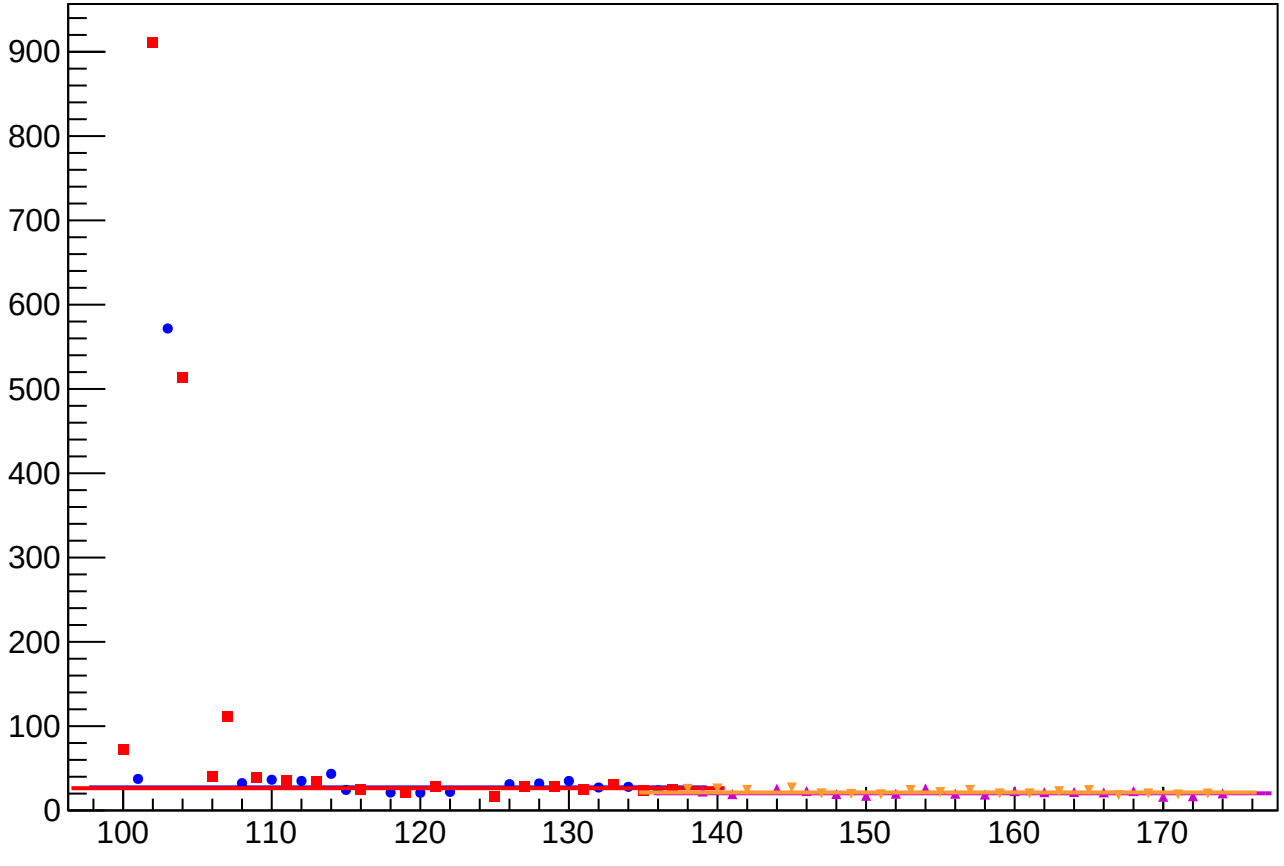
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.5/69

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.394+/-0.004 χ^2/NDF:330056.5/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

Left: 20.838+/-0.003 χ^2/NDF: 782397.5/35

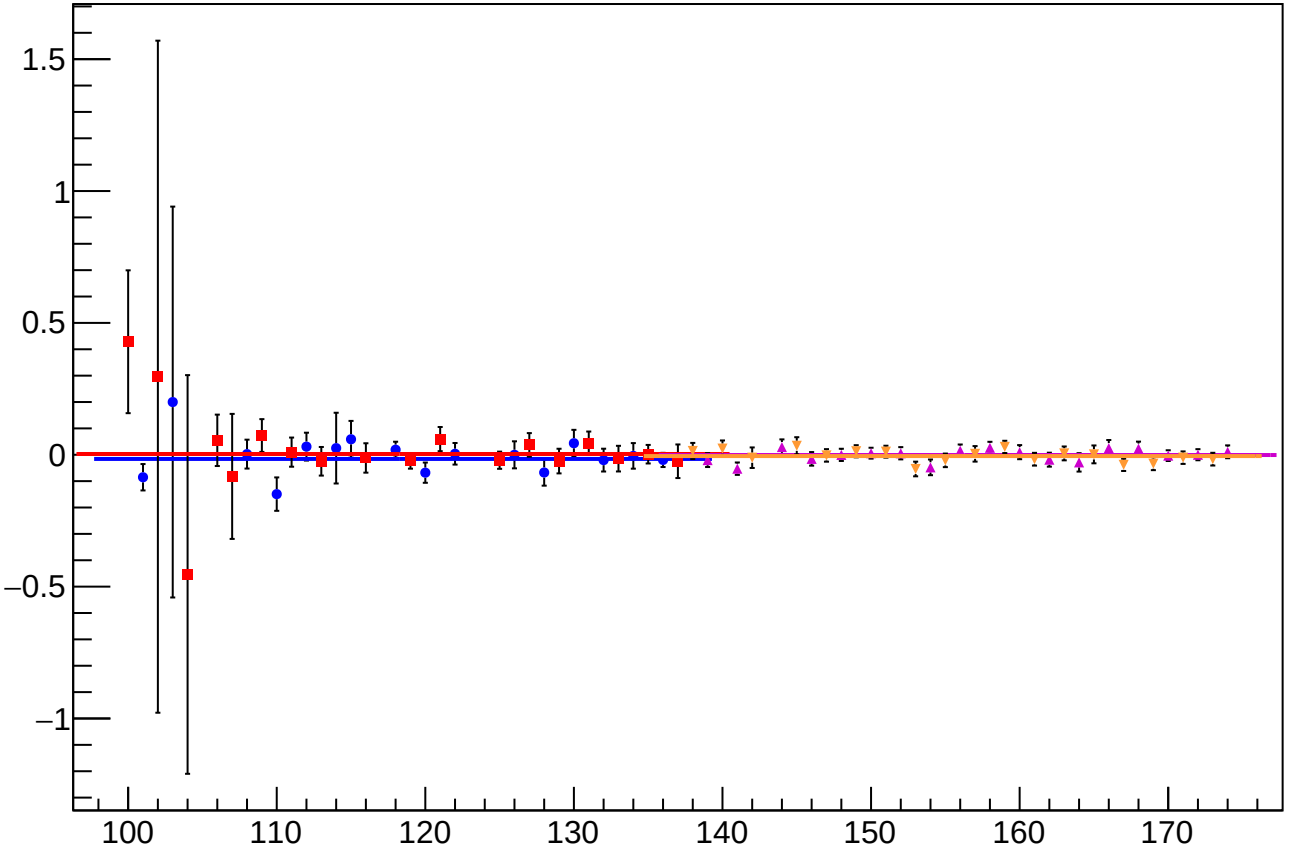
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.756+/-0.004 χ^2/NDF:2568340.5/33

Out: 22.441+/-0.004 χ^2/NDF:3219044.3/35

All: 22.080+/-0.003 χ^2/NDF: 5803746.6/69

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 14.6/15

Left Out: -0.005+/-0.006 χ^2/NDF:13.8/17

Right Out: 0.003+/-0.012 χ^2/NDF: 9.9/17

Left In: -0.001+/-0.006 χ^2/NDF:14.5/17

Left: -0.003+/-0.004 χ^2/NDF: 28.5/35

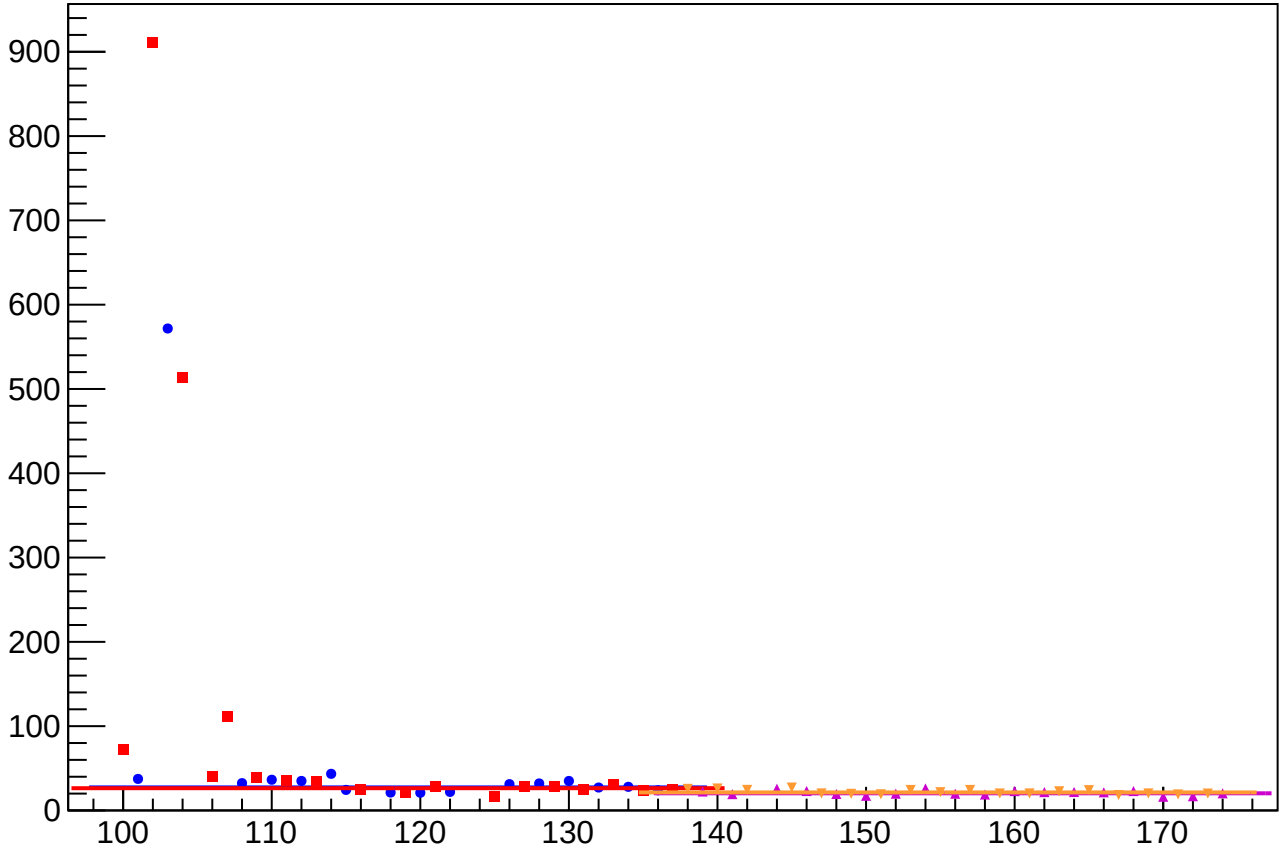
Right: -0.007+/-0.008 χ^2/NDF: 25.7/33

In: -0.004+/-0.005 χ^2/NDF:30.4/33

Out: -0.003+/-0.005 χ^2/NDF:24.0/35

All: -0.004+/-0.004 χ^2/NDF: 54.5/69

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.305+/-0.008 χ^2/NDF: 1568325.9/15

Left Out: 21.394+/-0.004 χ^2/NDF:330056.5/17

Right Out: 26.400+/-0.009 χ^2/NDF: 2614710.8/17

Left In: 20.343+/-0.004 χ^2/NDF:421796.6/17

Left: 20.838+/-0.003 χ^2/NDF: 782397.5/35

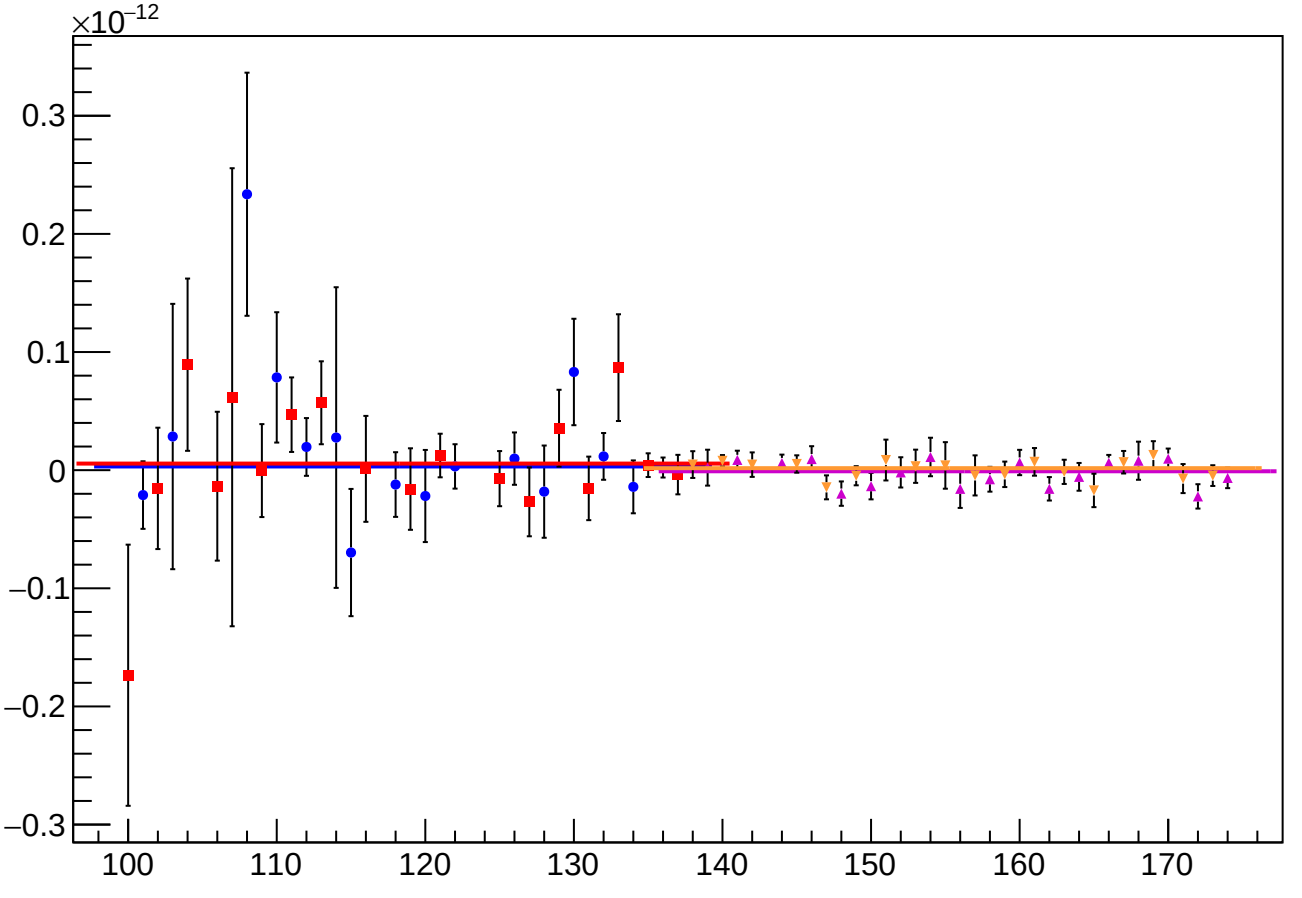
Right: 26.870+/-0.006 χ^2/NDF: 4188927.1/33

In: 21.756+/-0.004 χ^2/NDF:2568340.5/33

Out: 22.441+/-0.004 χ^2/NDF:3219044.3/35

All: 22.080+/-0.003 χ^2/NDF: 5803746.6/69

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:10.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/17

Left In: -0.000+/-0.000 χ^2/NDF:20.6/17

Left: 0.000+/-0.000 χ^2/NDF: 31.2/35

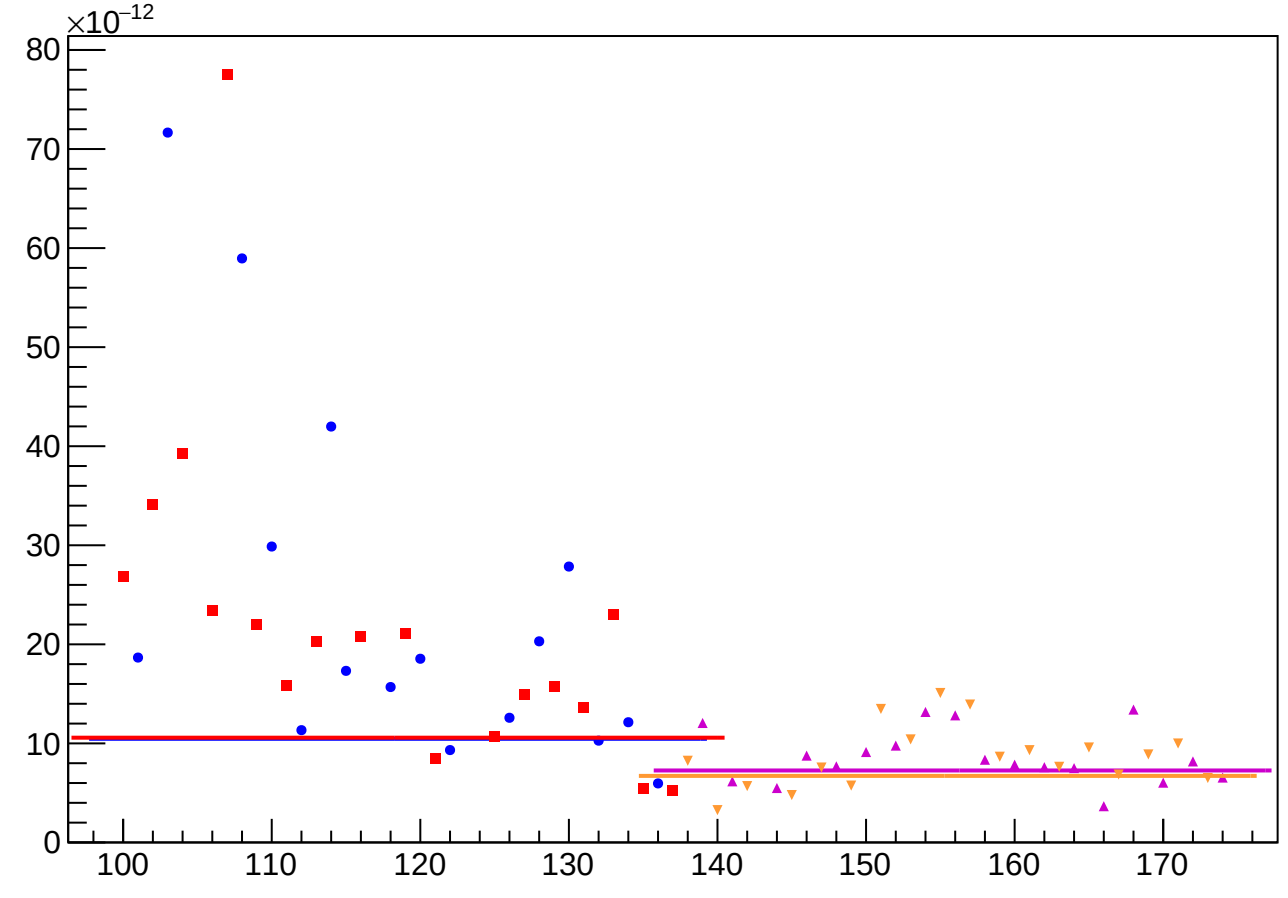
Right: 0.000+/-0.000 χ^2/NDF: 30.4/33

In: -0.000+/-0.000 χ^2/NDF:36.0/33

Out: 0.000+/-0.000 χ^2/NDF:25.6/35

All: 0.000+/-0.000 χ^2/NDF: 62.3/69

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2794895.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2861903.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2771384.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2031113.9/17

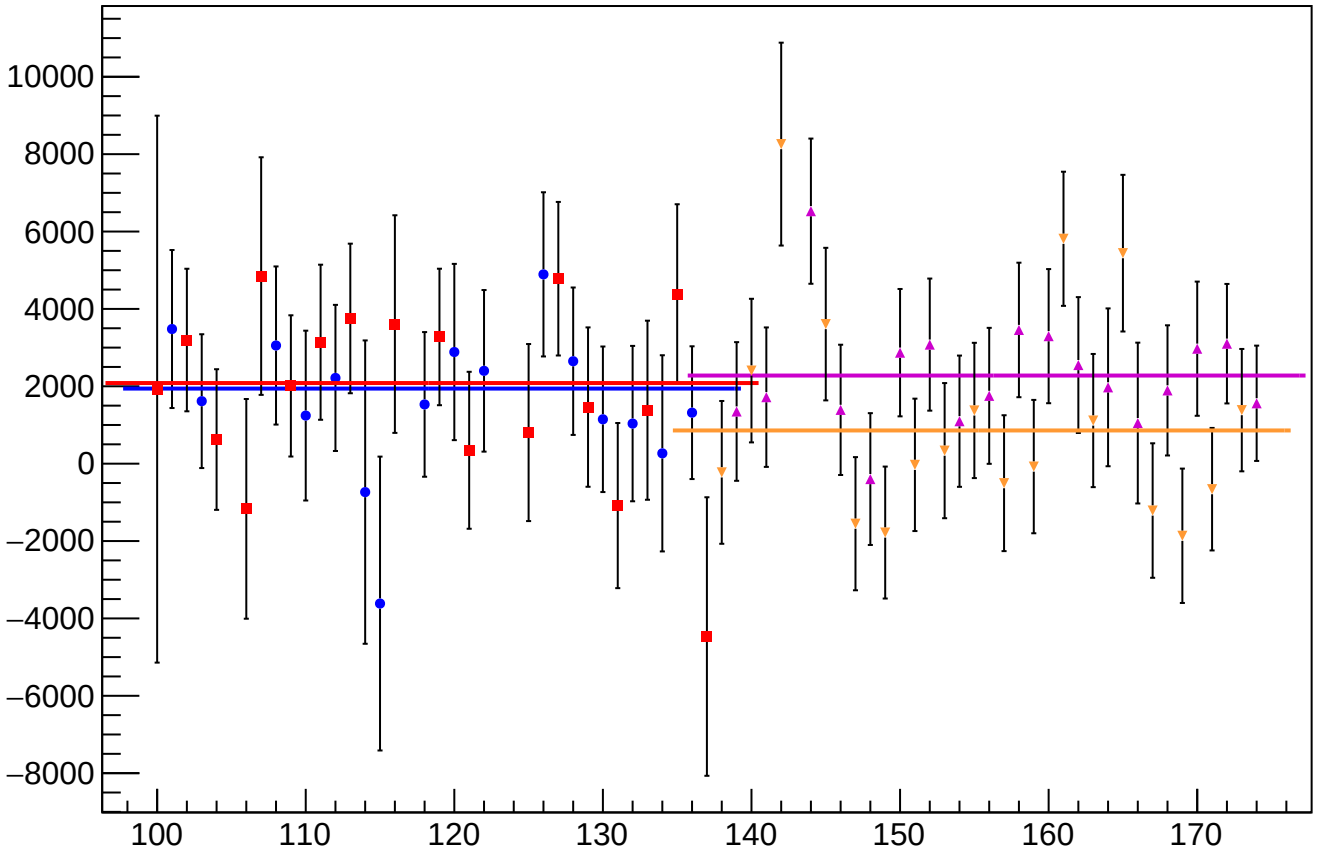
Left: 0.000+/-0.000 χ^2/NDF: 4947507.8/35

Right: 0.000+/-0.000 χ^2/NDF: 5566631.8/33

In: 0.000+/-0.000 χ^2/NDF:5356520.2/33

Out: 0.000+/-0.000 χ^2/NDF:6334202.8/35

All: 0.000+/-0.000 χ^2/NDF: 11747415.8/69



Right In: 1940.976+/-522.174 χ^2/NDF: 6.9/15

Left Out: 858.631+/-418.816 χ^2/NDF:34.9/17

Right Out: 2083.952+/-519.583 χ^2/NDF: 14.5/17

Left In: 2277.911+/-408.270 χ^2/NDF:11.1/17

Left: 1586.365+/-292.348 χ^2/NDF: 51.8/35

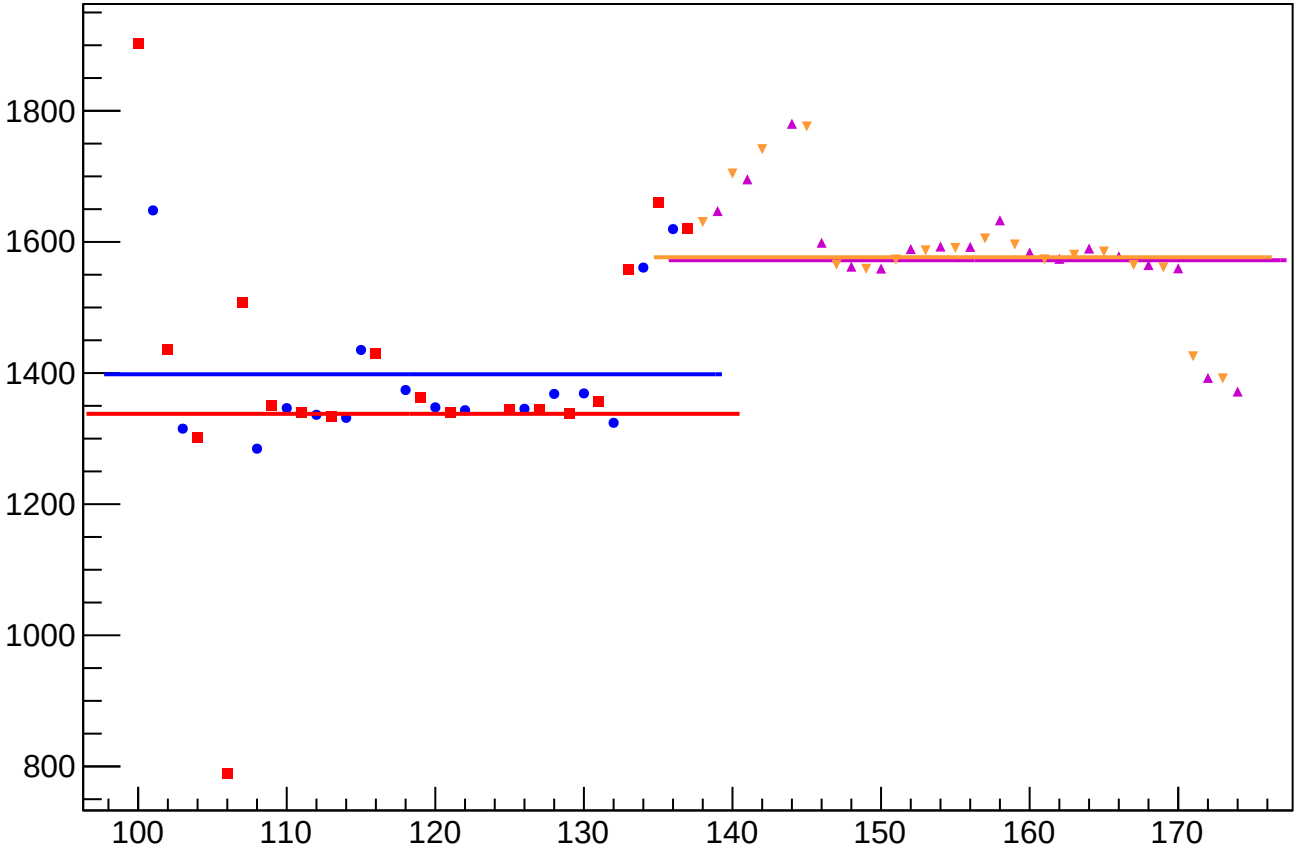
Right: 2012.819+/-368.313 χ^2/NDF: 21.4/33

In: 2150.081+/-321.631 χ^2/NDF:18.3/33

Out: 1341.214+/-326.074 χ^2/NDF:52.7/35

All: 1751.197+/-228.982 χ^2/NDF: 74.1/69

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1576.639+/-0.296 χ^2/NDF:86630.2/17

Right Out: 1337.819+/-0.356 χ^2/NDF: 317763.3/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

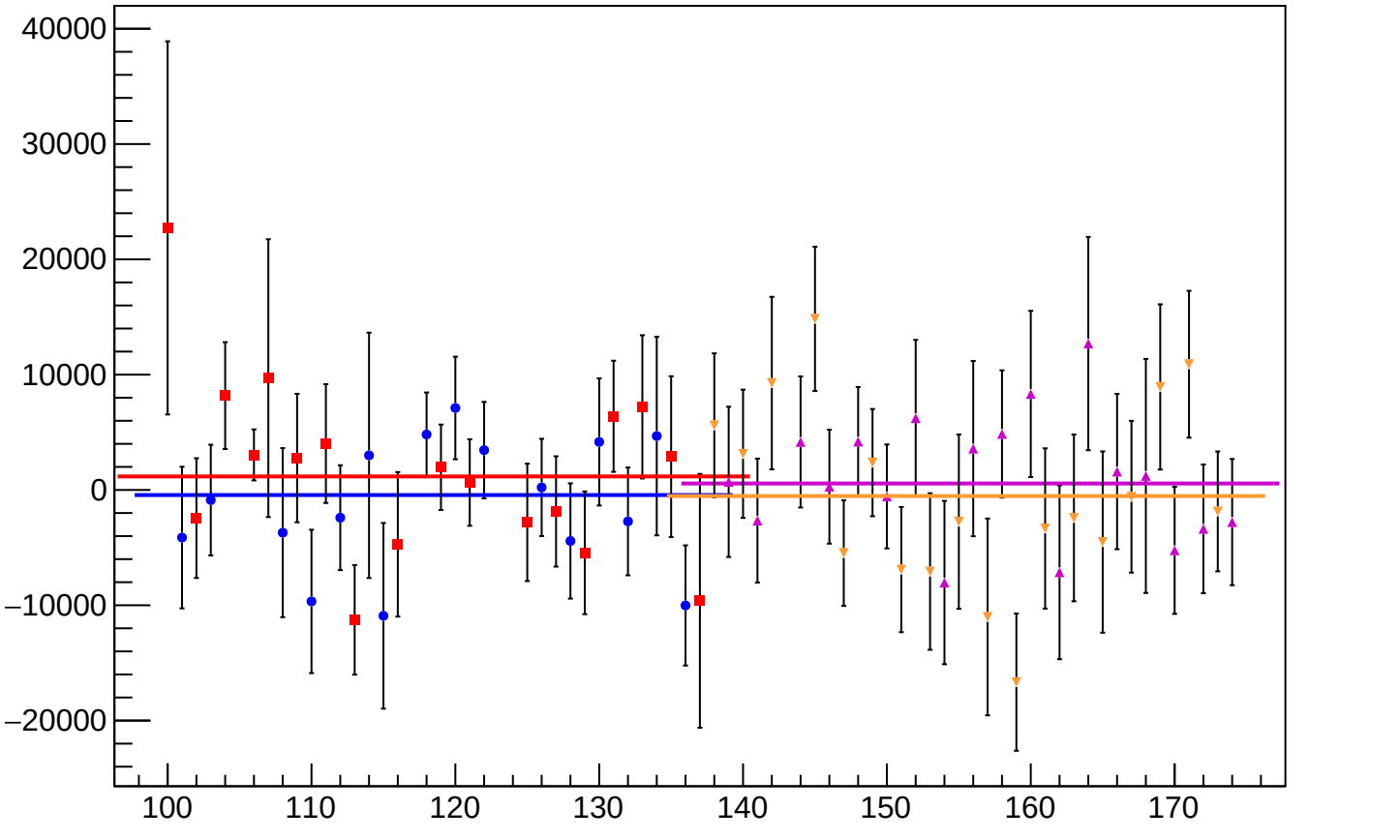
Left: 1574.318+/-0.207 χ^2/NDF: 191717.4/35

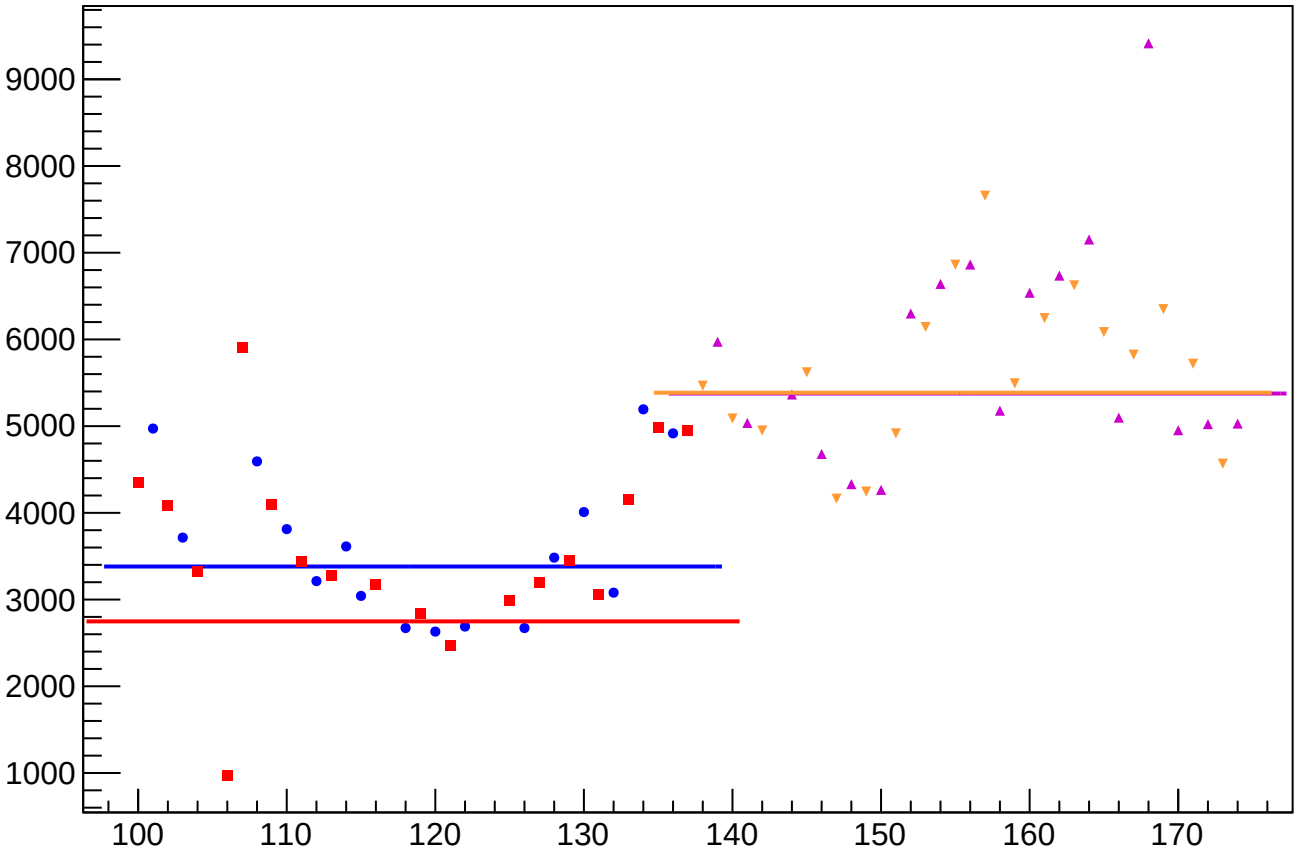
Right: 1366.881+/-0.256 χ^2/NDF: 425531.4/33

In: 1506.118+/-0.227 χ^2/NDF:336637.8/33

Out: 1478.934+/-0.228 χ^2/NDF:670447.2/35

All: 1492.539+/-0.161 χ^2/NDF: 1014221.7/69


asym_usl_atl2_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -441.138+/-1295.916 χ²/NDF: 15.9/15
Left Out: -524.906+/-1457.561 χ²/NDF:27.5/17
Right Out: 1171.548+/-1119.890 χ²/NDF: 19.7/17
Left In: 561.936+/-1422.136 χ²/NDF:10.3/17
Left: 31.883+/-1017.896 χ²/NDF: 38.0/35
Right: 482.092+/-847.335 χ²/NDF: 36.5/33
In: 13.919+/-957.872 χ²/NDF:26.5/33
Out: 541.823+/-888.037 χ²/NDF:48.0/35
All: 297.814+/-651.228 χ²/NDF: 74.6/69



Right In: 3381.117+/-0.916 χ^2/NDF: 757146.6/15

Left Out: 5385.353+/-1.031 χ^2/NDF:742045.2/17

Right Out: 2748.372+/-0.792 χ^2/NDF: 2264563.8/17

Left In: 5376.009+/-1.006 χ^2/NDF:1002385.1/17

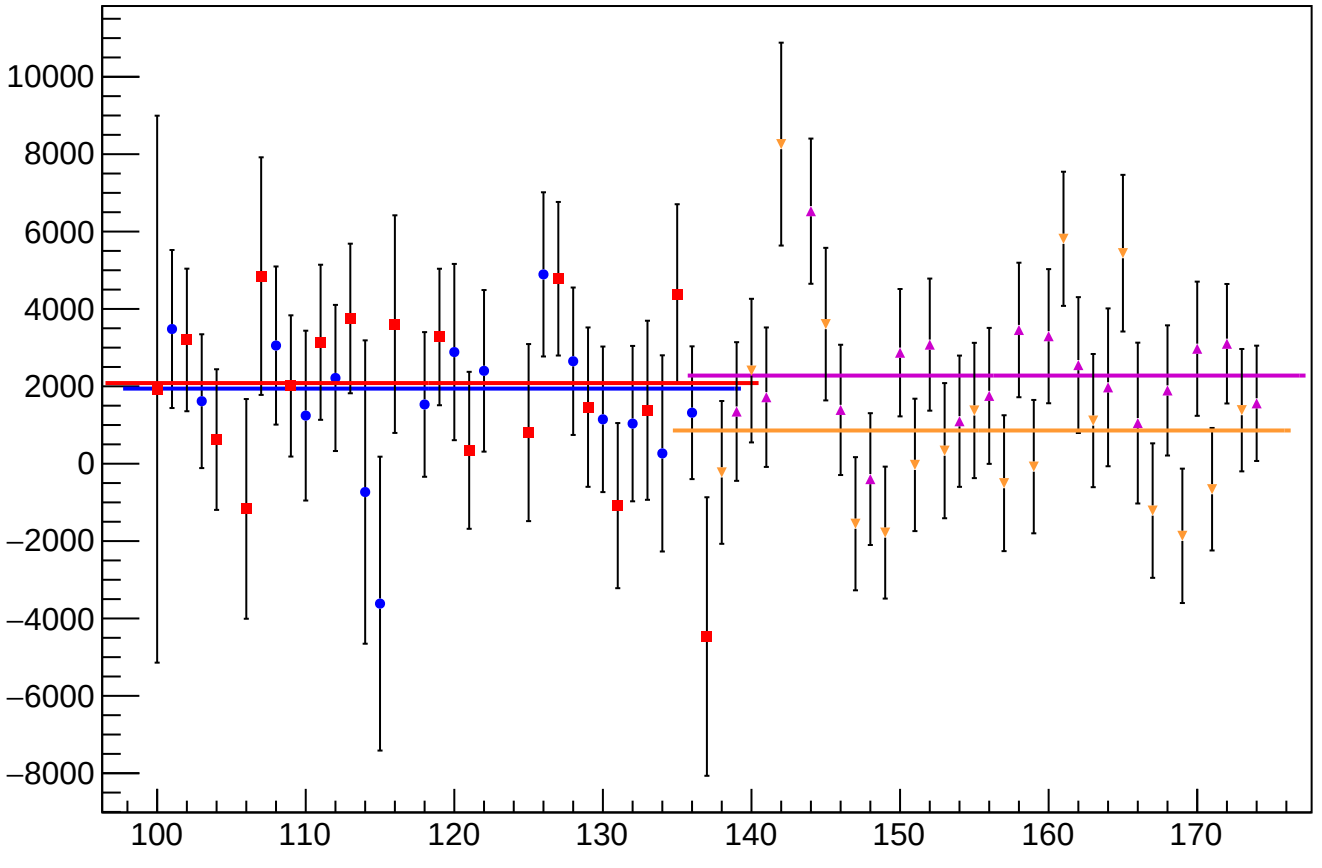
Left: 5380.566+/-0.720 χ^2/NDF: 1744472.3/35

Right: 3018.883+/-0.599 χ^2/NDF: 3294667.2/33

In: 4286.124+/-0.677 χ^2/NDF:3909576.9/33

Out: 3727.221+/-0.628 χ^2/NDF:7122864.7/35

All: 3985.558+/-0.460 χ^2/NDF: 11398618.5/6



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 858.659+/-418.816 χ^2/NDF:34.9/17

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2277.966+/-408.270 χ^2/NDF:11.1/17

Left: 1586.407+/-292.348 χ^2/NDF: 51.8/35

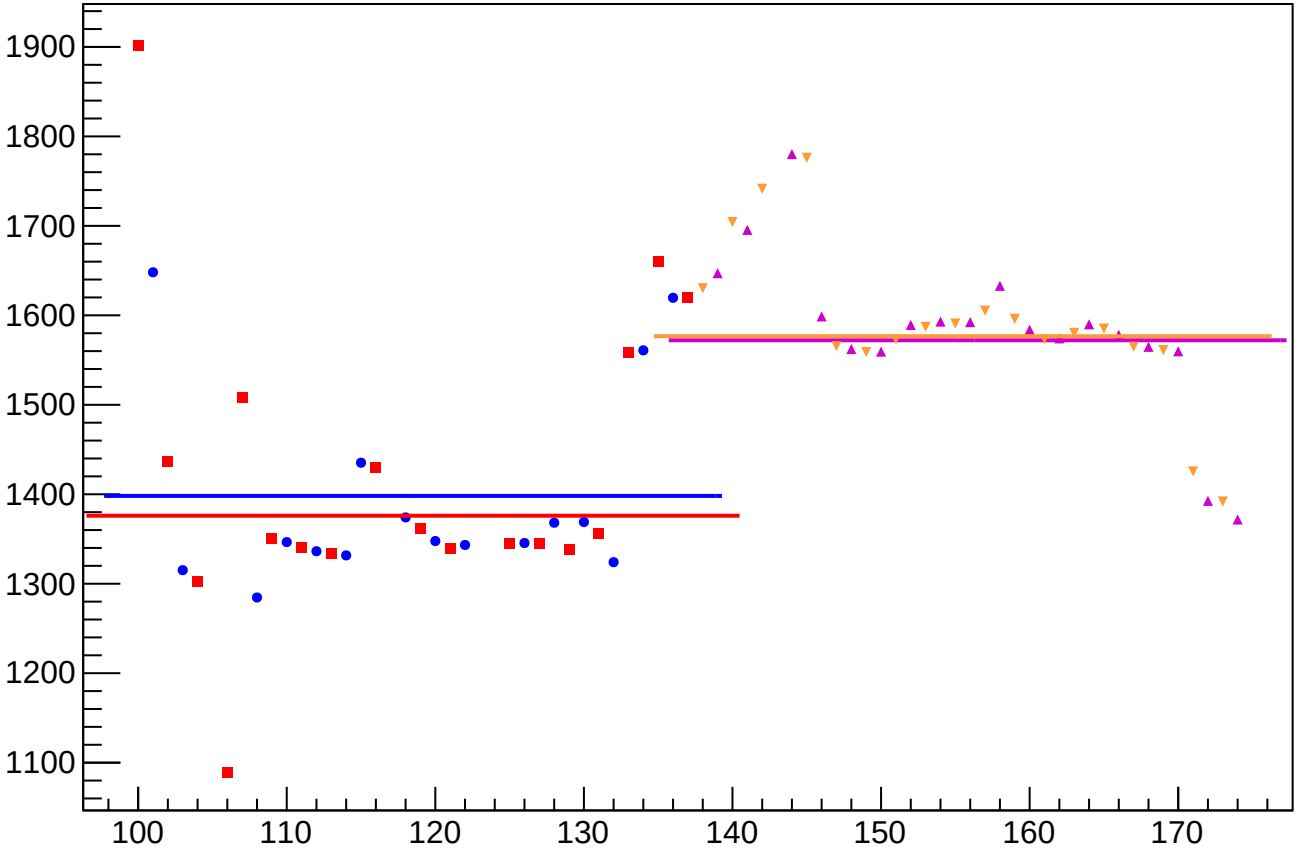
Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2150.137+/-321.631 χ^2/NDF:18.3/33

Out: 1341.312+/-326.075 χ^2/NDF:52.7/35

All: 1751.274+/-228.982 χ^2/NDF: 74.1/69

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1576.639+/-0.296 χ^2/NDF:86630.2/17

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

Left: 1574.318+/-0.207 χ^2/NDF: 191717.4/35

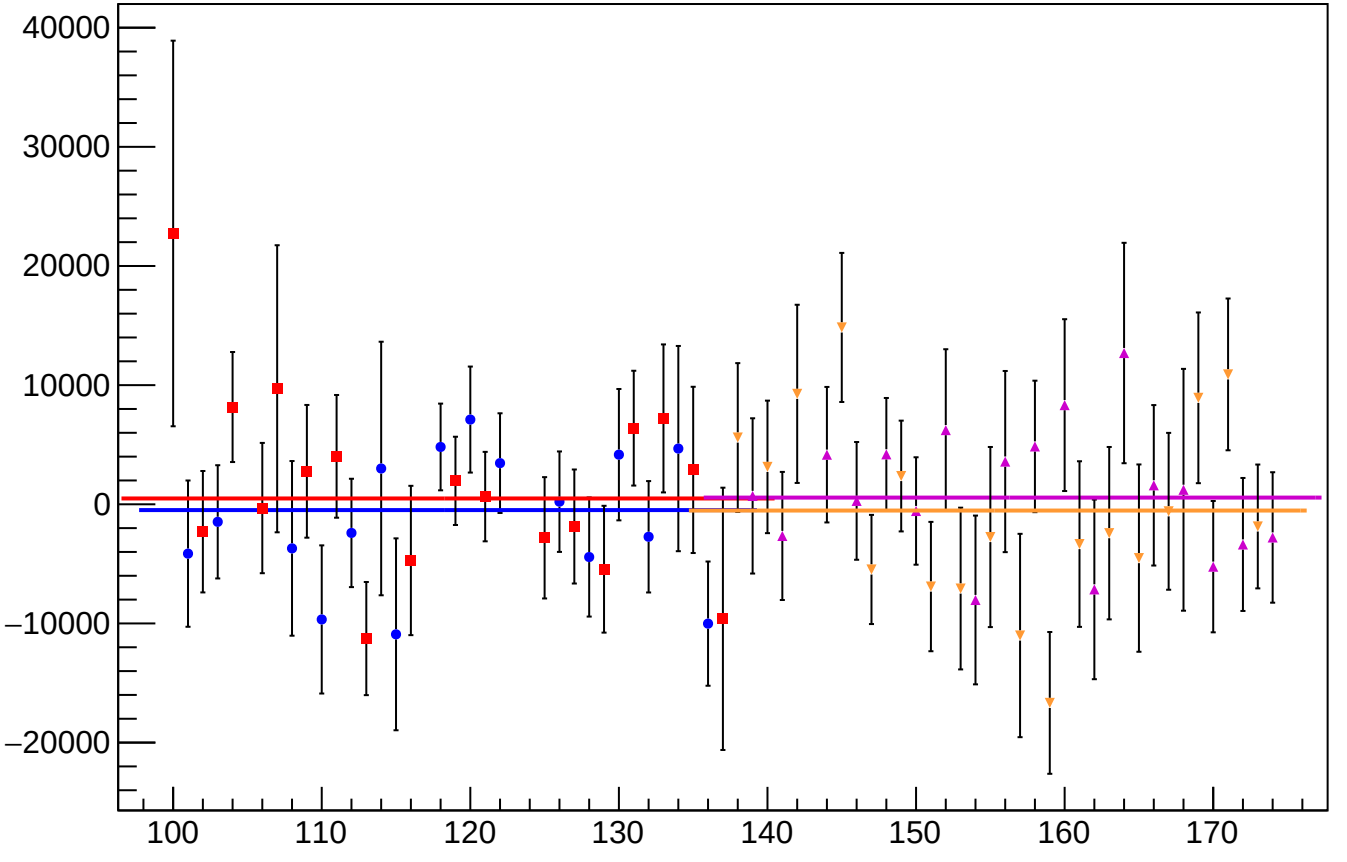
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1506.118+/-0.227 χ^2/NDF:336638.0/33

Out: 1496.342+/-0.229 χ^2/NDF:384337.6/35

All: 1501.271+/-0.161 χ^2/NDF: 721891.6/69

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: -524.922+/-1457.562 χ^2/NDF:27.5/17

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 562.007+/-1422.136 χ^2/NDF:10.3/17

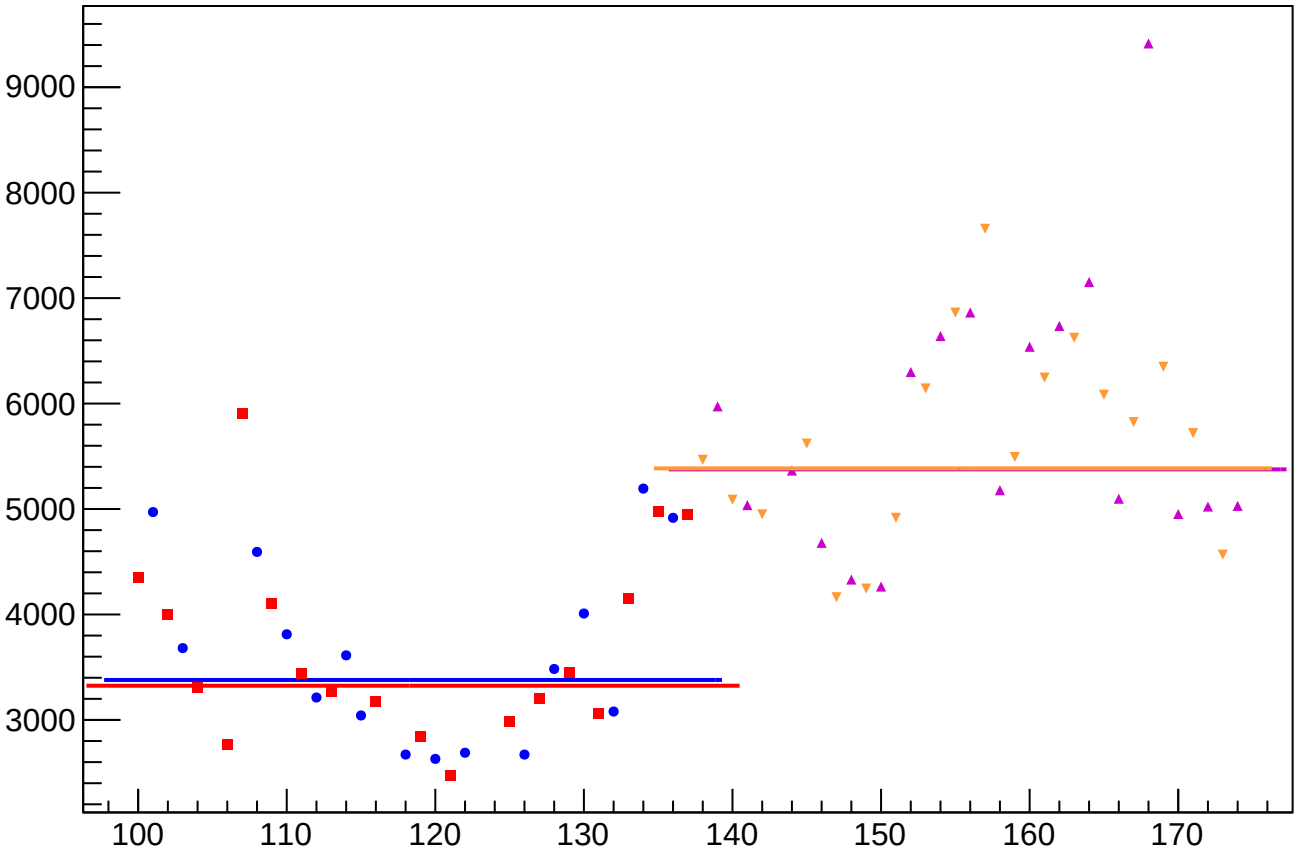
Left: 31.912+/-1017.896 χ^2/NDF: 38.1/35

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -11.262+/-957.474 χ^2/NDF:26.5/33

Out: 54.612+/-953.779 χ^2/NDF:46.5/35

All: 21.802+/-675.726 χ^2/NDF: 73.0/69



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5385.357+/-1.031 χ^2/NDF:742039.3/17

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

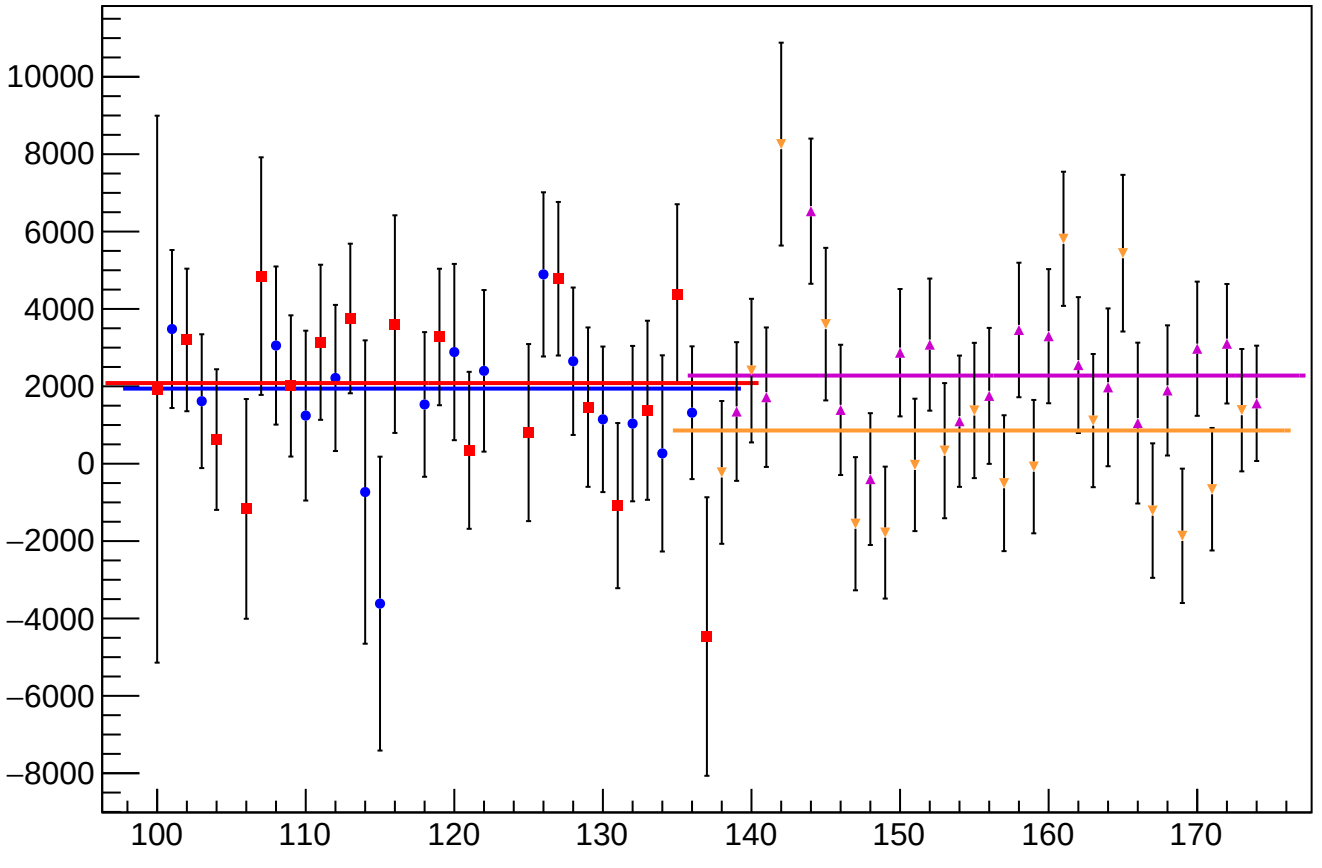
Left: 5380.566+/-0.720 χ^2/NDF: 1744475.8/35

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4284.273+/-0.677 χ^2/NDF:3913587.8/33

Out: 4206.919+/-0.674 χ^2/NDF:3572193.7/35

All: 4245.447+/-0.478 χ^2/NDF: 7492333.8/69



Right In: 1941.031+/-522.174 χ^2/NDF: 6.9/15

Left Out: 858.659+/-418.816 χ^2/NDF:34.9/17

Right Out: 2084.166+/-519.587 χ^2/NDF: 14.5/17

Left In: 2277.966+/-408.270 χ^2/NDF:11.1/17

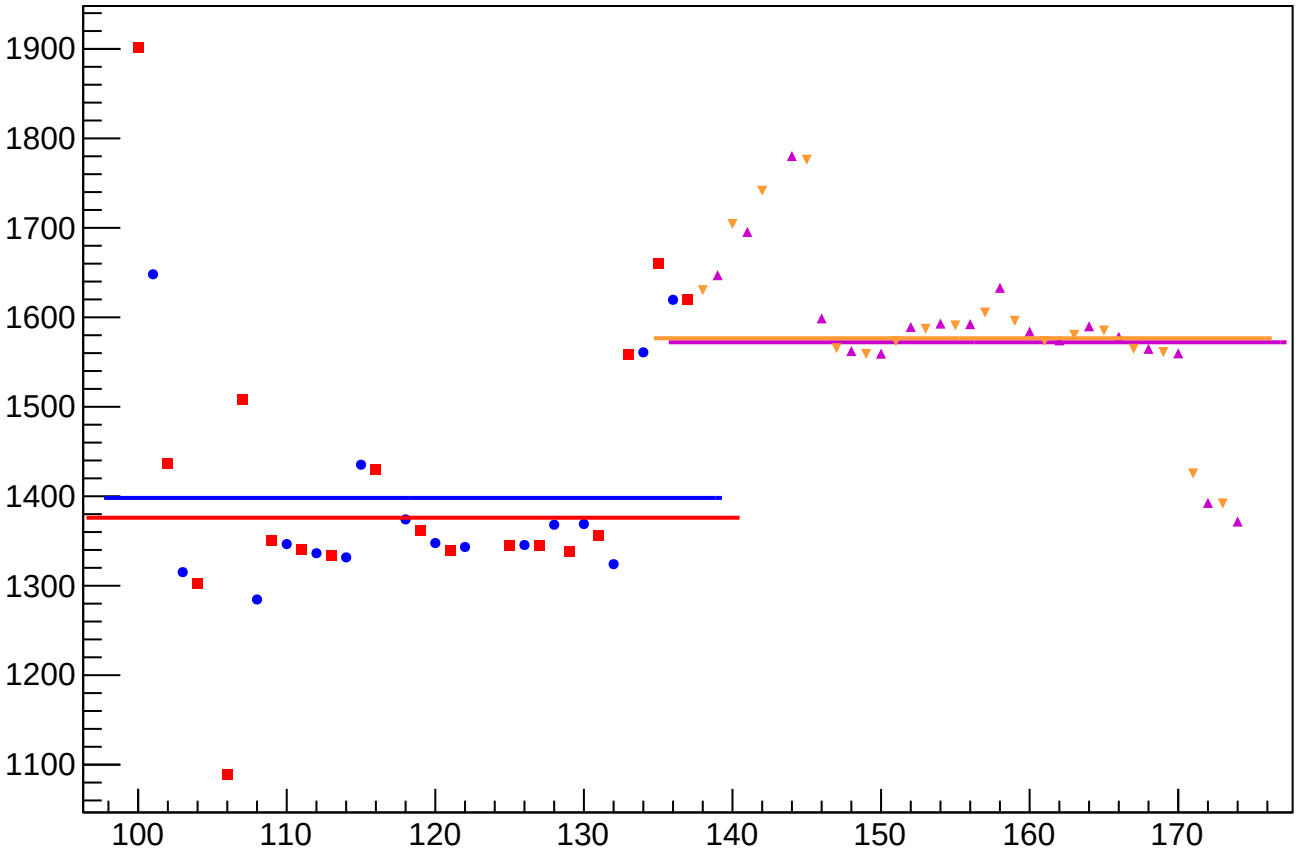
Left: 1586.407+/-292.348 χ^2/NDF: 51.8/35

Right: 2012.954+/-368.315 χ^2/NDF: 21.4/33

In: 2150.137+/-321.631 χ^2/NDF:18.3/33

Out: 1341.312+/-326.075 χ^2/NDF:52.7/35

All: 1751.274+/-228.982 χ^2/NDF: 74.1/69



Right In: 1398.161+/-0.369 χ^2/NDF: 93923.6/15

Left Out: 1576.639+/-0.296 χ^2/NDF:86630.2/17

Right Out: 1376.021+/-0.363 χ^2/NDF: 114033.6/17

Left In: 1572.113+/-0.289 χ^2/NDF:104967.6/17

Left: 1574.318+/-0.207 χ^2/NDF: 191717.4/35

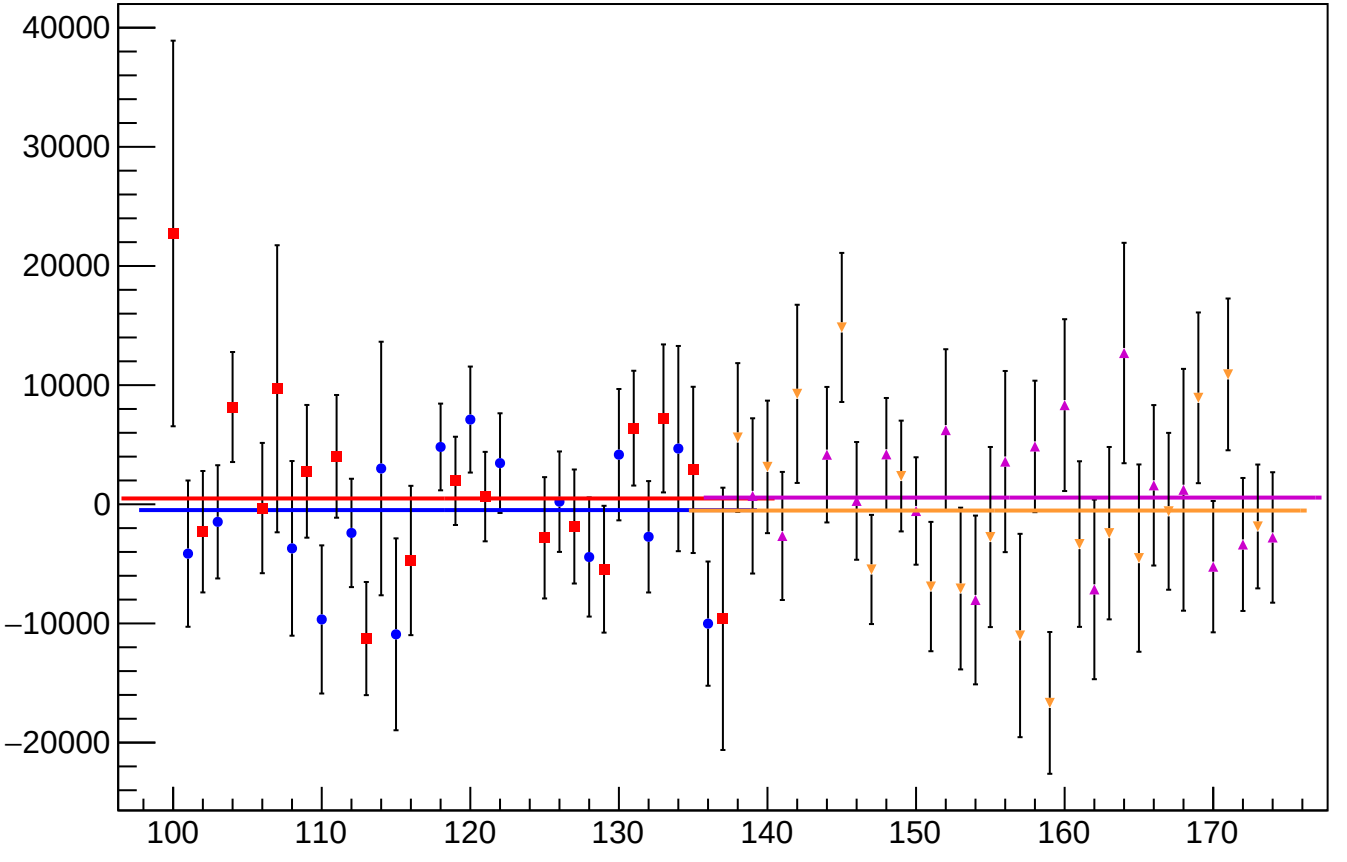
Right: 1386.888+/-0.259 χ^2/NDF: 209787.8/33

In: 1506.118+/-0.227 χ^2/NDF:336638.0/33

Out: 1496.342+/-0.229 χ^2/NDF:384337.6/35

All: 1501.271+/-0.161 χ^2/NDF: 721891.6/69

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.563+/-1294.930 χ^2/NDF: 15.9/15

Left Out: -524.922+/-1457.562 χ^2/NDF:27.5/17

Right Out: 488.594+/-1261.315 χ^2/NDF: 18.7/17

Left In: 562.007+/-1422.136 χ^2/NDF:10.3/17

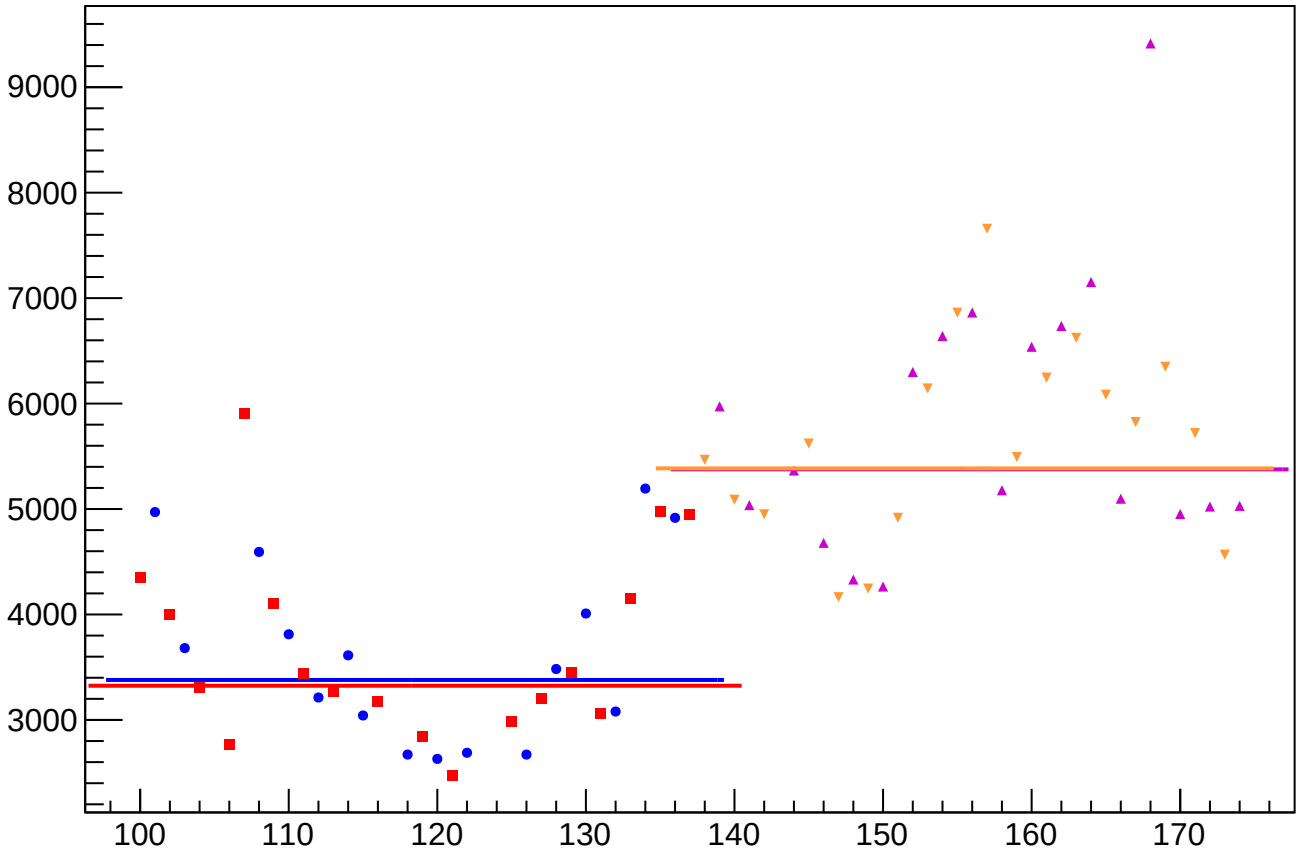
Left: 31.912+/-1017.896 χ^2/NDF: 38.1/35

Right: 13.837+/-903.535 χ^2/NDF: 35.0/33

In: -11.262+/-957.474 χ^2/NDF:26.5/33

Out: 54.612+/-953.779 χ^2/NDF:46.5/35

All: 21.802+/-675.726 χ^2/NDF: 73.0/69



Right In: 3379.110+/-0.916 χ^2/NDF: 755339.9/15

Left Out: 5385.357+/-1.031 χ^2/NDF:742039.3/17

Right Out: 3324.449+/-0.892 χ^2/NDF: 543813.3/17

Left In: 5376.005+/-1.006 χ^2/NDF:1002394.3/17

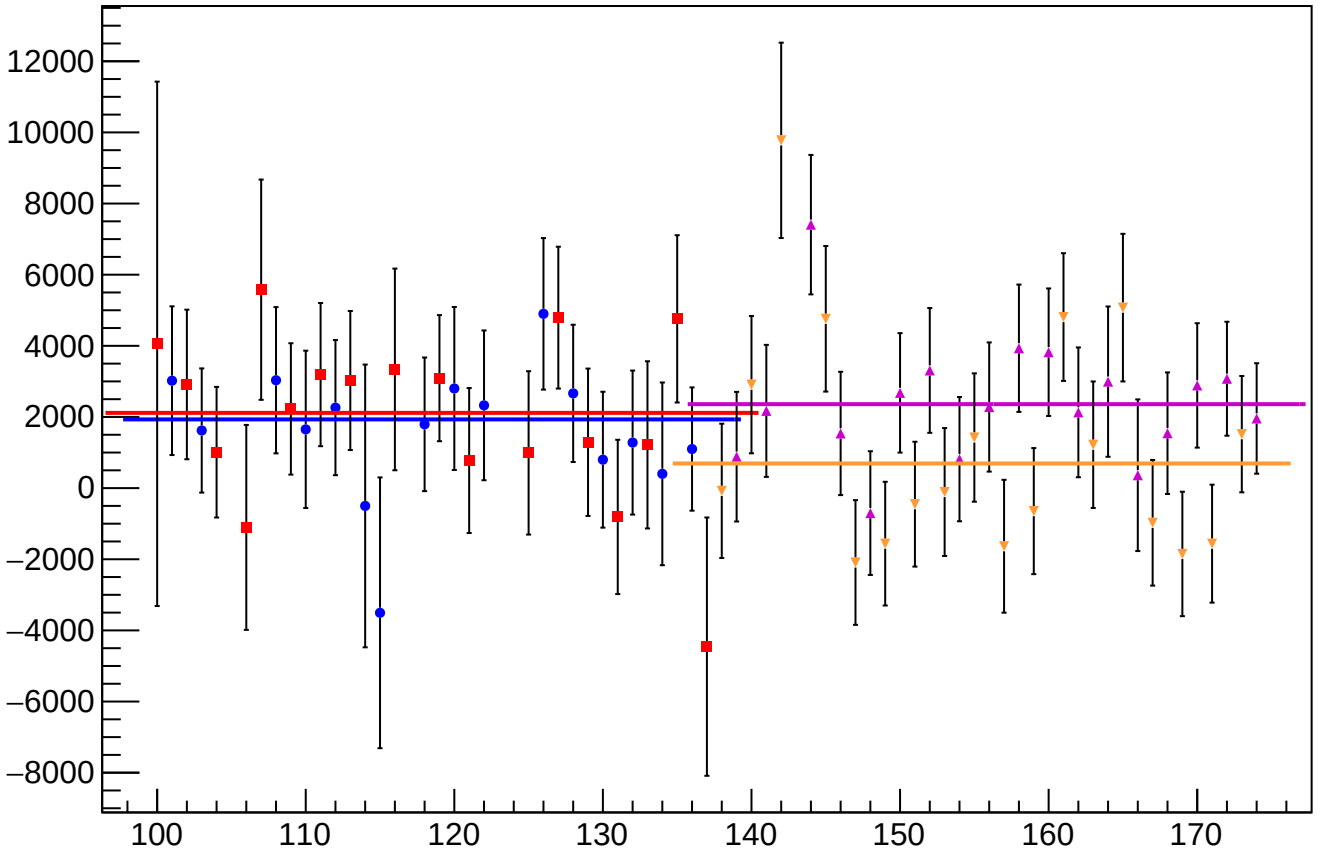
Left: 5380.566+/-0.720 χ^2/NDF: 1744475.8/35

Right: 3351.061+/-0.639 χ^2/NDF: 1300981.9/33

In: 4284.273+/-0.677 χ^2/NDF:3913587.8/33

Out: 4206.919+/-0.674 χ^2/NDF:3572193.7/35

All: 4245.447+/-0.478 χ^2/NDF: 7492333.8/69



Right In: 1931.537+/-527.135 χ^2/NDF: 6.4/15

Left Out: 692.608+/-431.654 χ^2/NDF:38.4/17

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2360.147+/-420.047 χ^2/NDF:14.7/17

Left: 1549.100+/-301.038 χ^2/NDF: 60.8/35

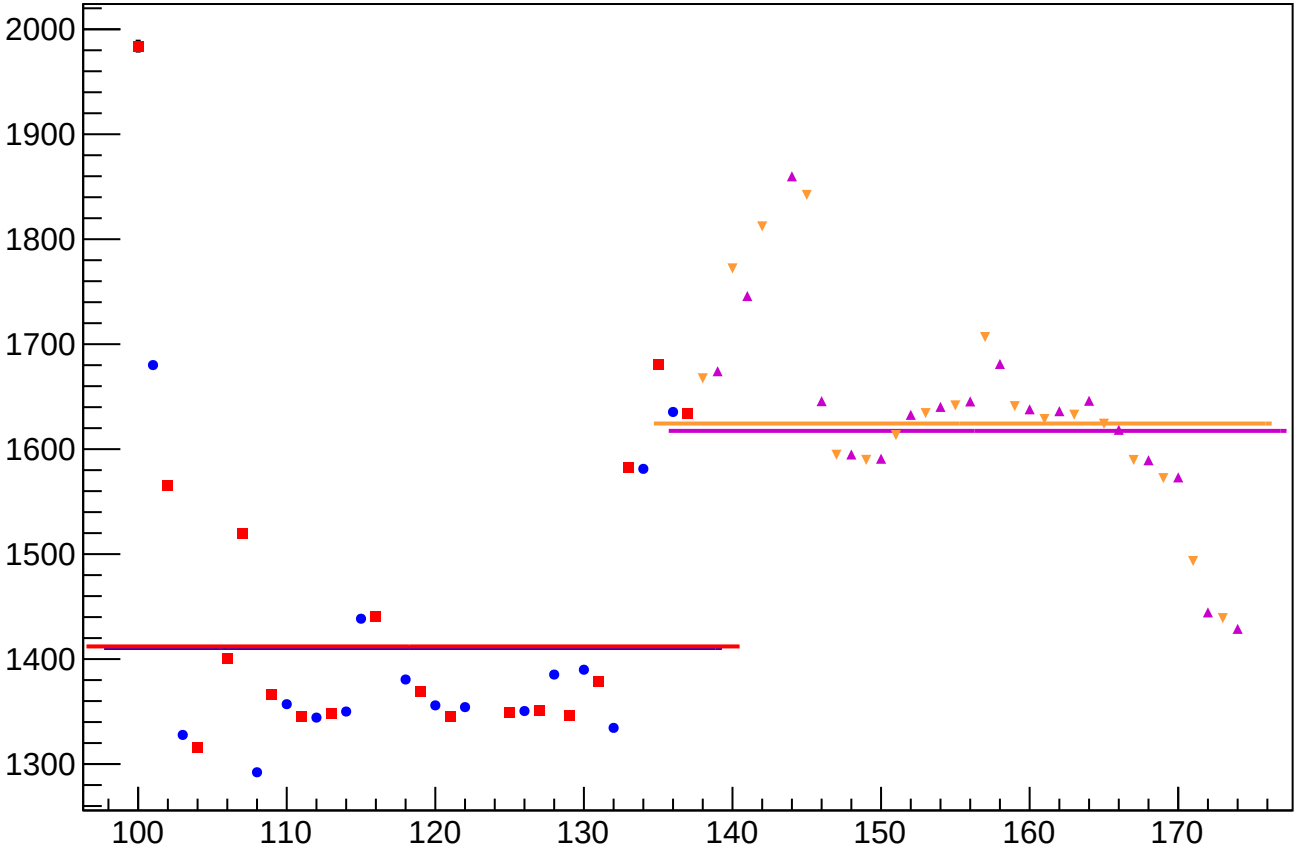
Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2193.689+/-328.506 χ^2/NDF:21.5/33

Out: 1261.467+/-334.392 χ^2/NDF:56.0/35

All: 1735.855+/-234.342 χ^2/NDF: 81.4/69

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.424+/-0.305 χ^2/NDF:91319.3/17

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.5/17

Left In: 1617.410+/-0.297 χ^2/NDF:102499.4/17

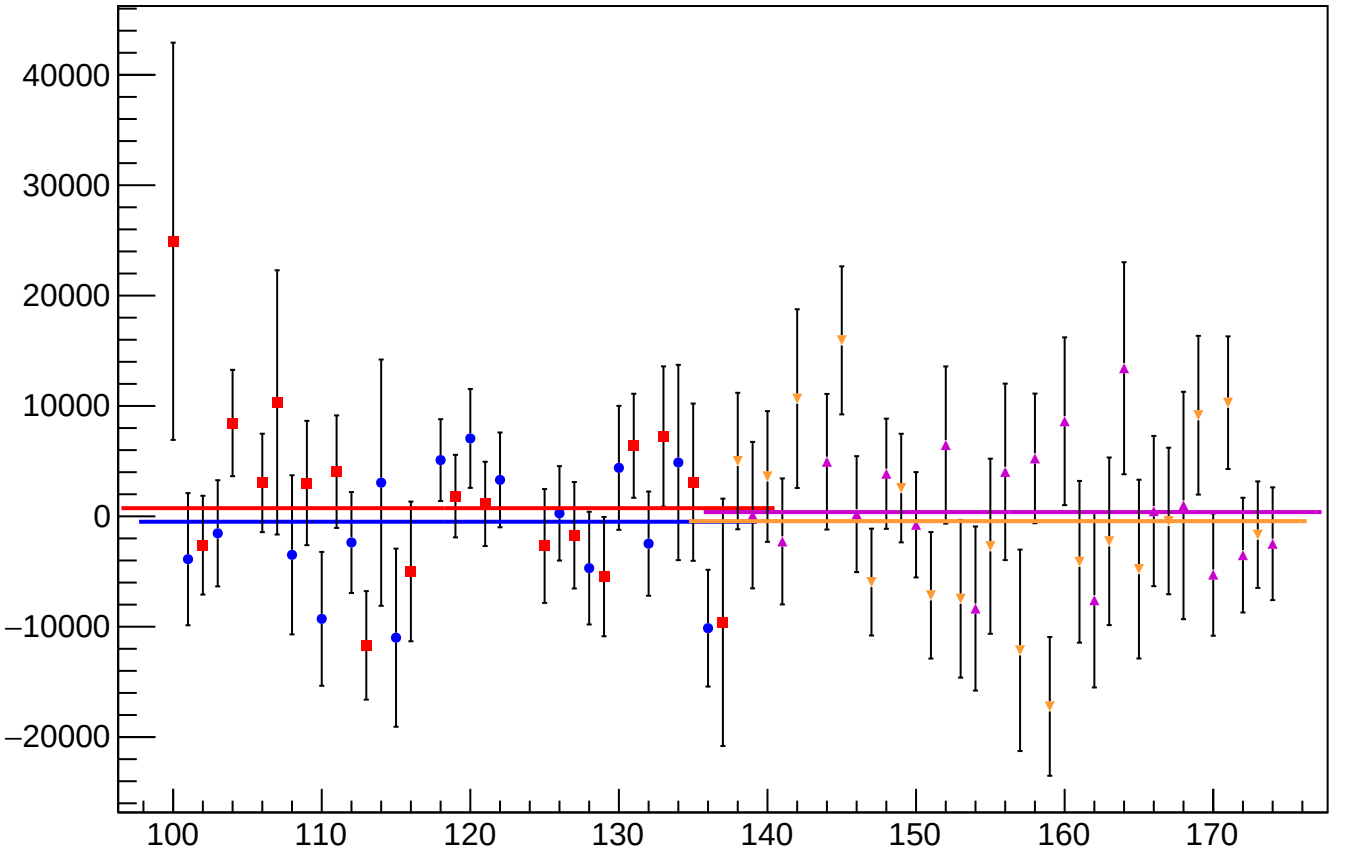
Left: 1620.821+/-0.213 χ^2/NDF: 194089.9/35

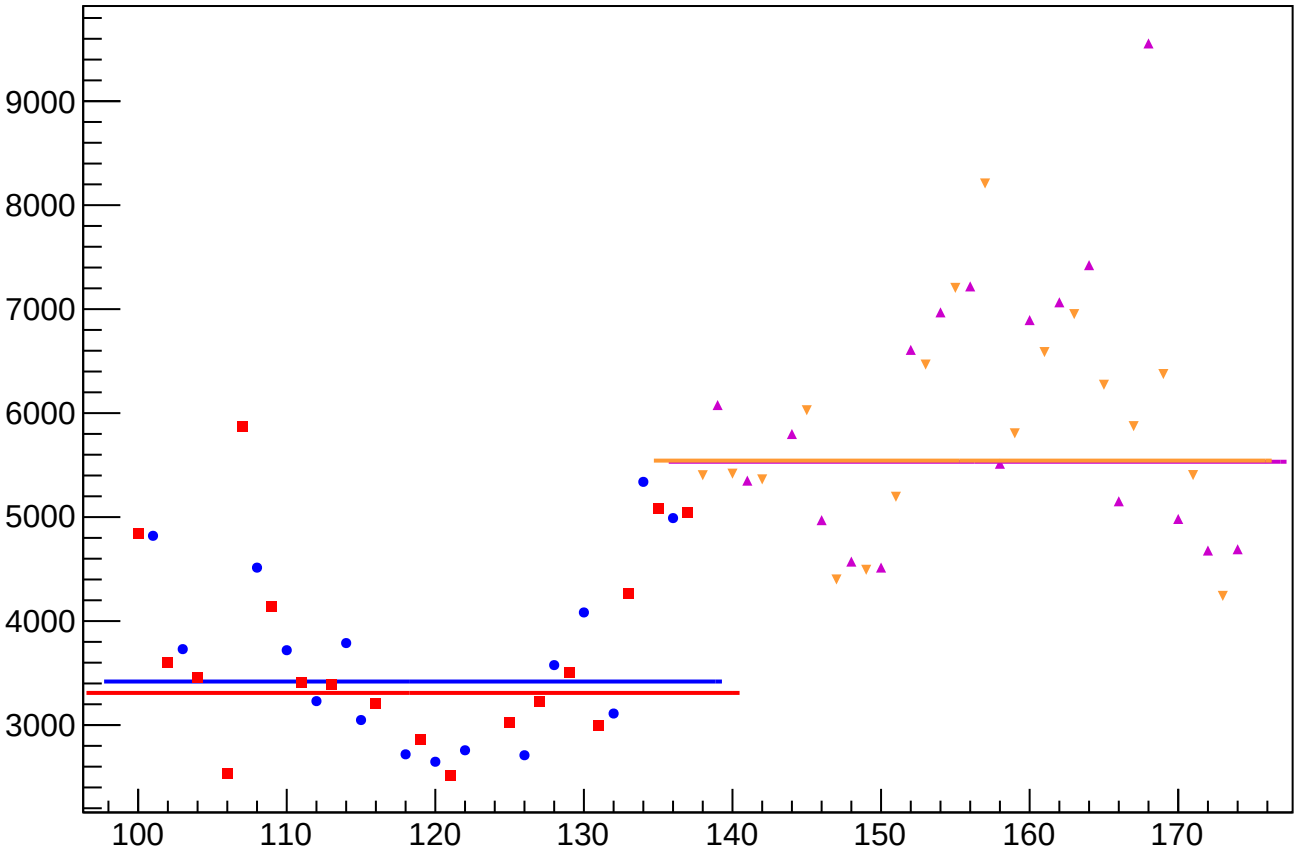
Right: 1411.321+/-0.264 χ^2/NDF: 188862.1/33

In: 1537.090+/-0.232 χ^2/NDF:389944.4/33

Out: 1539.227+/-0.236 χ^2/NDF:375239.7/35

All: 1538.141+/-0.166 χ^2/NDF: 765225.8/69


asym_usl_atl2_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -489.402+/-1308.692 χ²/NDF: 15.8/15
Left Out: -435.452+/-1502.094 χ²/NDF:27.6/17
Right Out: 740.592+/-1247.947 χ²/NDF: 19.2/17
Left In: 386.499+/-1465.447 χ²/NDF:10.3/17
Left: -14.328+/-1048.944 χ²/NDF: 38.0/35
Right: 154.802+/-903.143 χ²/NDF: 35.5/33
In: -100.788+/-976.117 χ²/NDF:26.3/33
Out: 260.334+/-959.892 χ²/NDF:47.1/35
All: 82.800+/-684.411 χ²/NDF: 73.5/69



Right In: 3418.701+/-0.925 χ^2/NDF: 721215.3/15

Left Out: 5543.258+/-1.062 χ^2/NDF:822302.9/17

Right Out: 3309.112+/-0.882 χ^2/NDF: 571940.6/17

Left In: 5532.286+/-1.036 χ^2/NDF:1072805.7/17

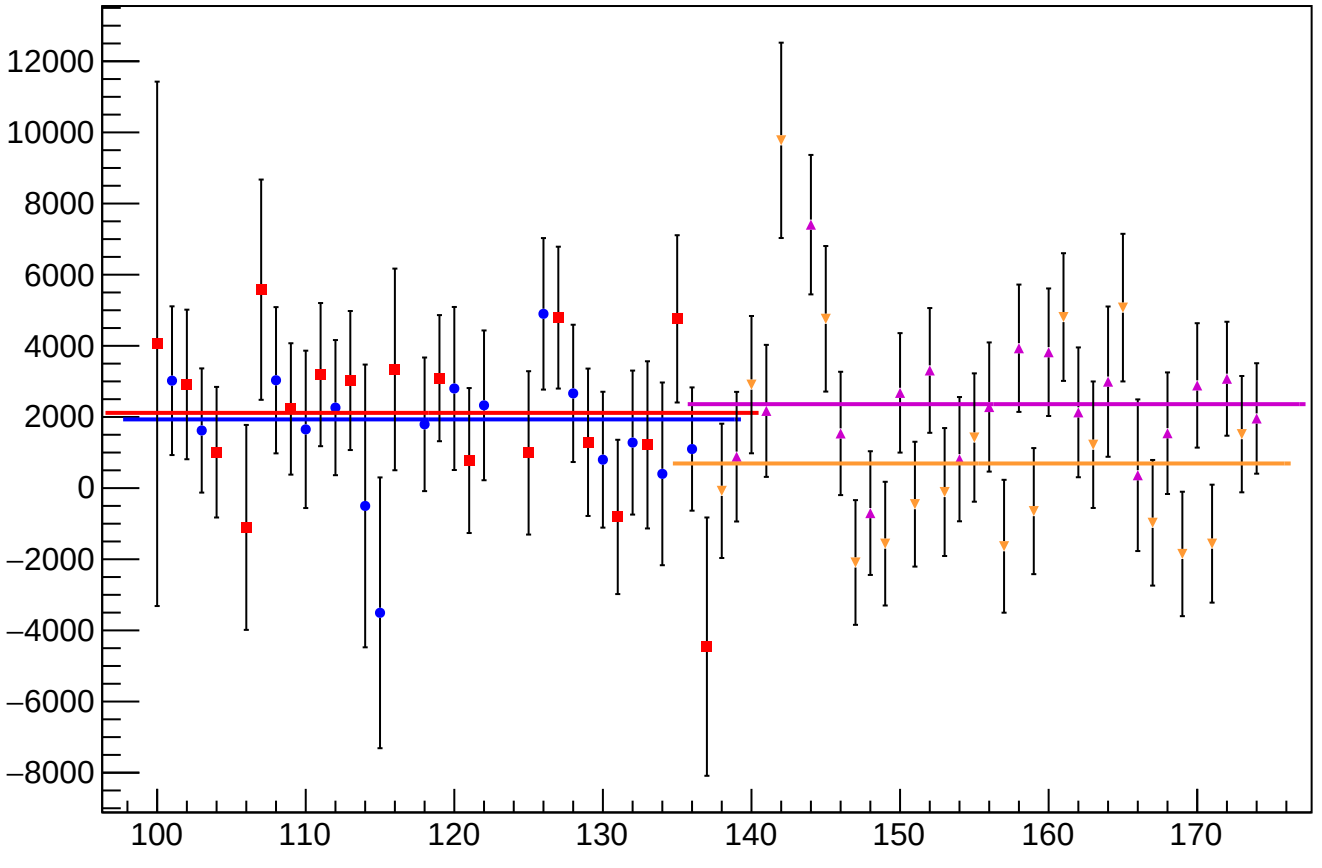
Left: 5537.637+/-0.742 χ^2/NDF: 1895163.3/35

Right: 3361.304+/-0.639 χ^2/NDF: 1300501.2/33

In: 4356.443+/-0.690 χ^2/NDF:4108528.0/33

Out: 4221.464+/-0.679 χ^2/NDF:4011891.2/35

All: 4287.822+/-0.484 χ^2/NDF: 8139861.5/69



Right In: 1931.538+/-527.135 χ^2/NDF: 6.4/15

Left Out: 692.603+/-431.655 χ^2/NDF:38.4/17

Right Out: 2115.195+/-528.802 χ^2/NDF: 13.2/17

Left In: 2360.148+/-420.047 χ^2/NDF:14.7/17

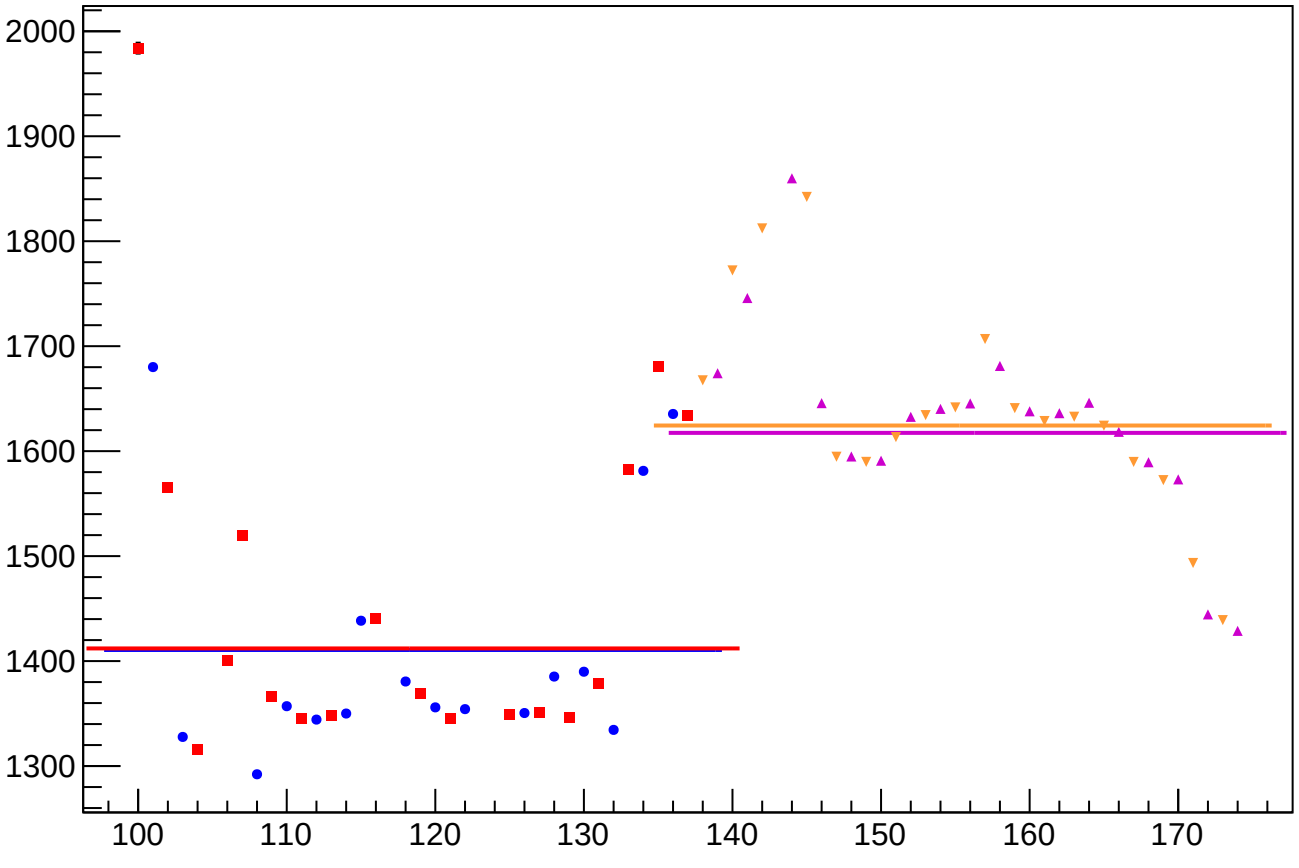
Left: 1549.098+/-301.038 χ^2/NDF: 60.8/35

Right: 2023.076+/-373.329 χ^2/NDF: 19.6/33

In: 2193.690+/-328.506 χ^2/NDF:21.5/33

Out: 1261.465+/-334.392 χ^2/NDF:56.0/35

All: 1735.855+/-234.342 χ^2/NDF: 81.4/69



Right In: 1410.595+/-0.373 χ^2/NDF: 99150.0/15

Left Out: 1624.424+/-0.305 χ^2/NDF:91323.0/17

Right Out: 1412.048+/-0.373 χ^2/NDF: 89704.6/17

Left In: 1617.410+/-0.297 χ^2/NDF:102502.9/17

Left: 1620.822+/-0.213 χ^2/NDF: 194097.1/35

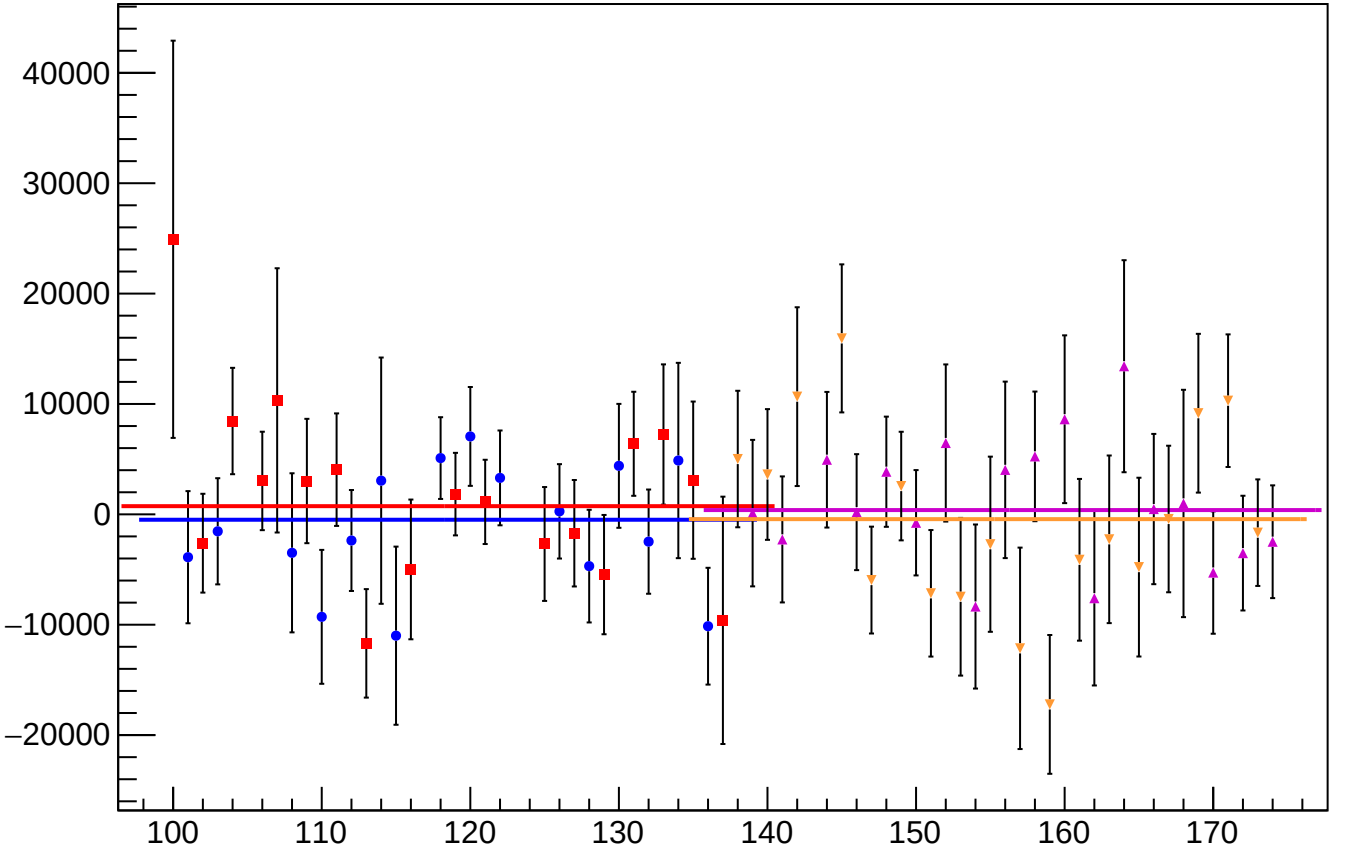
Right: 1411.321+/-0.264 χ^2/NDF: 188862.2/33

In: 1537.090+/-0.232 χ^2/NDF:389948.5/33

Out: 1539.227+/-0.236 χ^2/NDF:375244.4/35

All: 1538.141+/-0.166 χ^2/NDF: 765234.5/69

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -489.395+/-1308.688 χ^2/NDF: 15.8/15

Left Out: -435.459+/-1502.097 χ^2/NDF:27.6/17

Right Out: 740.594+/-1247.944 χ^2/NDF: 19.2/17

Left In: 386.499+/-1465.450 χ^2/NDF:10.3/17

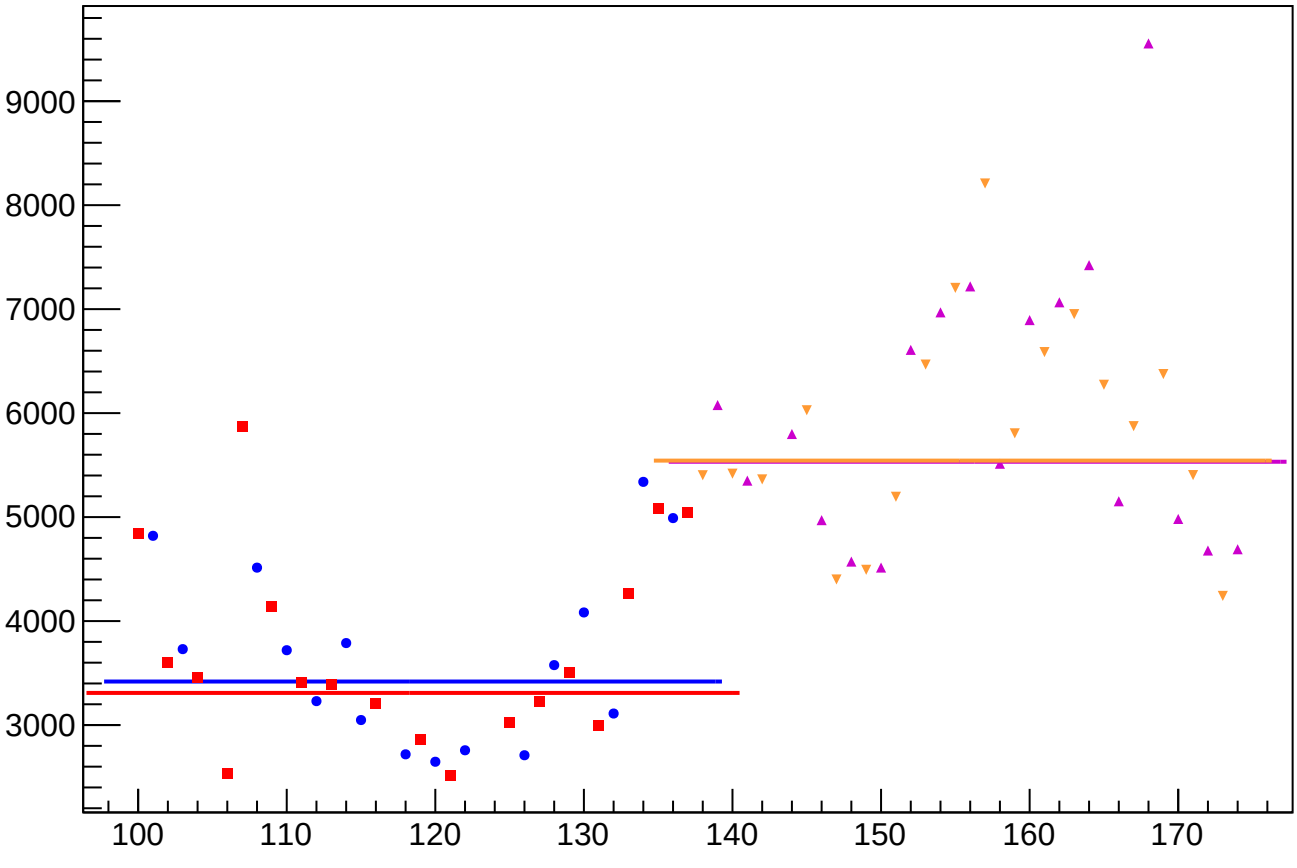
Left: -14.331+/-1048.946 χ^2/NDF: 38.0/35

Right: 154.807+/-903.141 χ^2/NDF: 35.5/33

In: -100.786+/-976.117 χ^2/NDF:26.3/33

Out: 260.335+/-959.891 χ^2/NDF:47.1/35

All: 82.801+/-684.410 χ^2/NDF: 73.5/69



Right In: 3418.690+/-0.925 χ^2/NDF: 721223.9/15

Left Out: 5543.267+/-1.062 χ^2/NDF:822303.0/17

Right Out: 3309.102+/-0.882 χ^2/NDF: 571944.5/17

Left In: 5532.294+/-1.036 χ^2/NDF:1072806.2/17

Left: 5537.645+/-0.742 χ^2/NDF: 1895163.9/35

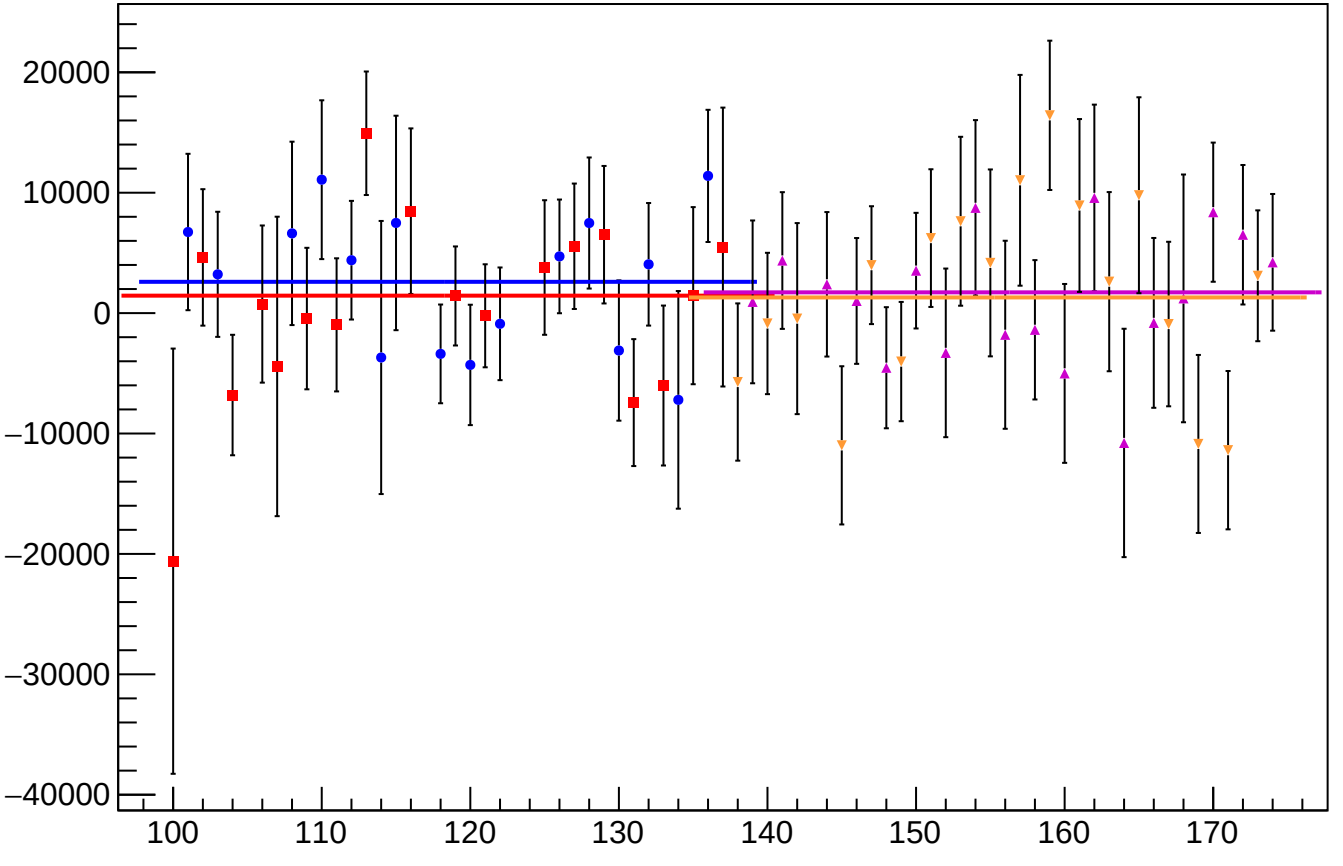
Right: 3361.294+/-0.639 χ^2/NDF: 1300513.6/33

In: 4356.436+/-0.690 χ^2/NDF:4108581.8/33

Out: 4221.457+/-0.679 χ^2/NDF:4011940.6/35

All: 4287.815+/-0.484 χ^2/NDF: 8139964.6/69

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2599.622+/-1414.499 χ^2/NDF: 13.5/15

Left Out: 1301.226+/-1525.254 χ^2/NDF:24.1/17

Right Out: 1450.418+/-1382.818 χ^2/NDF: 19.0/17

Left In: 1724.742+/-1487.550 χ^2/NDF:9.8/17

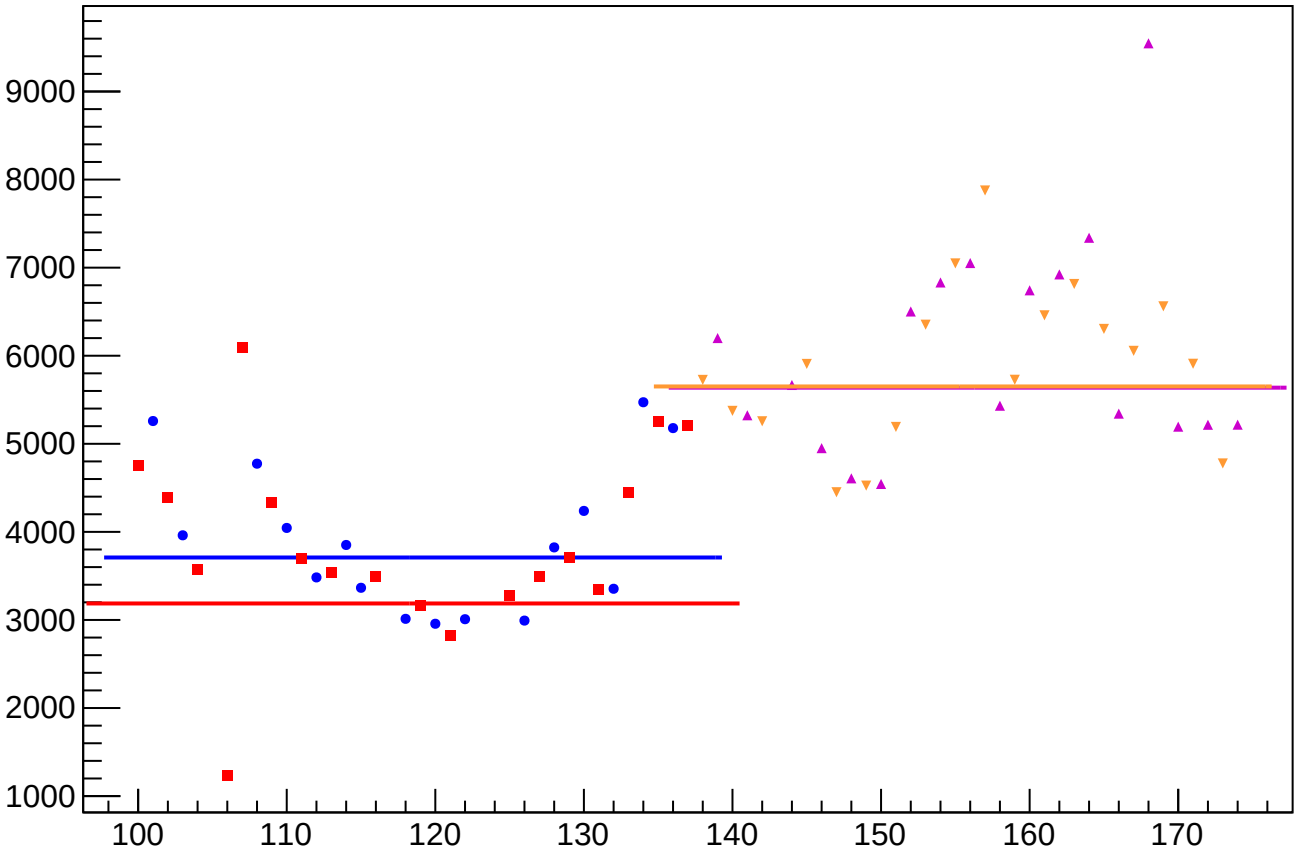
Left: 1518.283+/-1064.937 χ^2/NDF: 33.9/35

Right: 2012.006+/-988.811 χ^2/NDF: 32.9/33

In: 2184.191+/-1025.054 χ^2/NDF:23.5/33

Out: 1383.112+/-1024.464 χ^2/NDF:43.1/35

All: 1783.421+/-724.614 χ^2/NDF: 66.9/69



Right In: 3709.155+/-1.000 χ^2/NDF: 610637.3/15

Left Out: 5651.027+/-1.079 χ^2/NDF:642884.9/17

Right Out: 3187.191+/-0.896 χ^2/NDF: 1610818.1/17

Left In: 5637.336+/-1.052 χ^2/NDF:883836.9/17

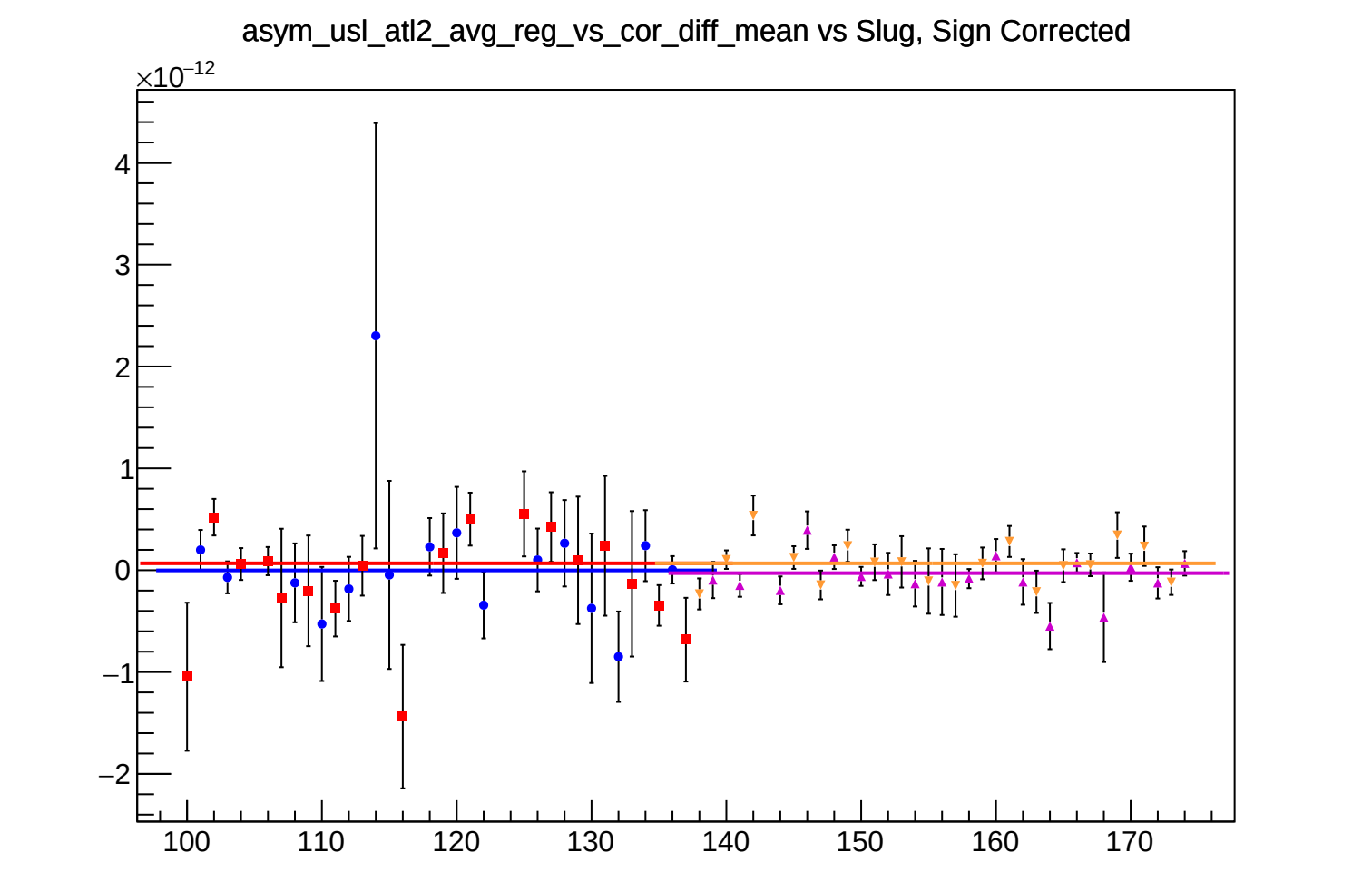
Left: 5644.010+/-0.753 χ^2/NDF: 1526804.4/35

Right: 3419.452+/-0.667 χ^2/NDF: 2372609.3/33

In: 4624.737+/-0.725 χ^2/NDF:3259180.4/33

Out: 4192.714+/-0.689 χ^2/NDF:5342634.4/35

All: 4397.786+/-0.499 χ^2/NDF: 8788443.1/69



Right In: -0.000+/-0.000 χ^2/NDF: 11.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/17

Left In: -0.000+/-0.000 χ^2/NDF:20.4/17

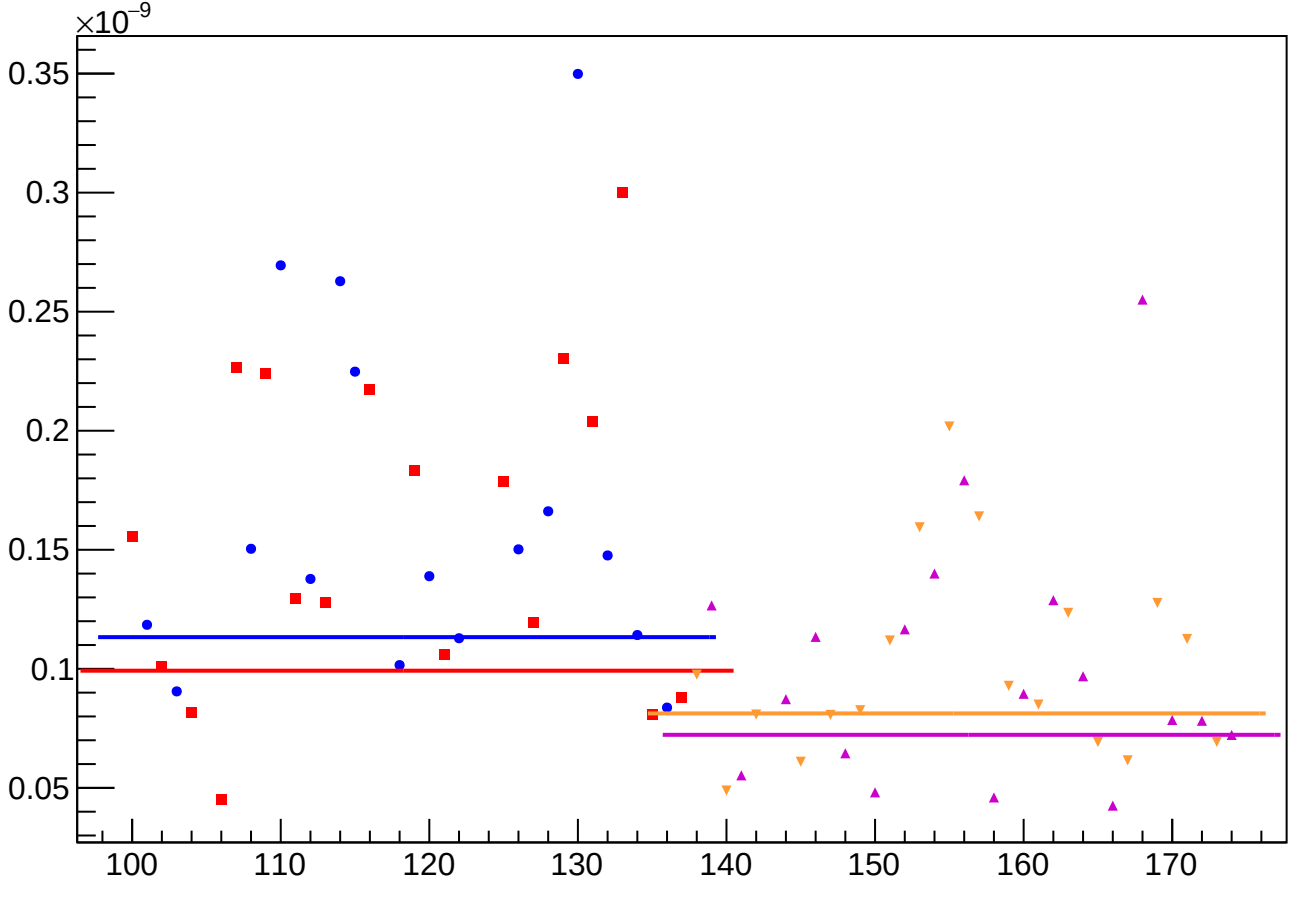
Left: 0.000+/-0.000 χ^2/NDF: 47.0/35

Right: 0.000+/-0.000 χ^2/NDF: 41.1/33

In: -0.000+/-0.000 χ^2/NDF:31.7/33

Out: 0.000+/-0.000 χ^2/NDF:52.2/35

All: 0.000+/-0.000 χ^2/NDF: 88.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 655766.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1349681.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1100854.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1867936.6/17

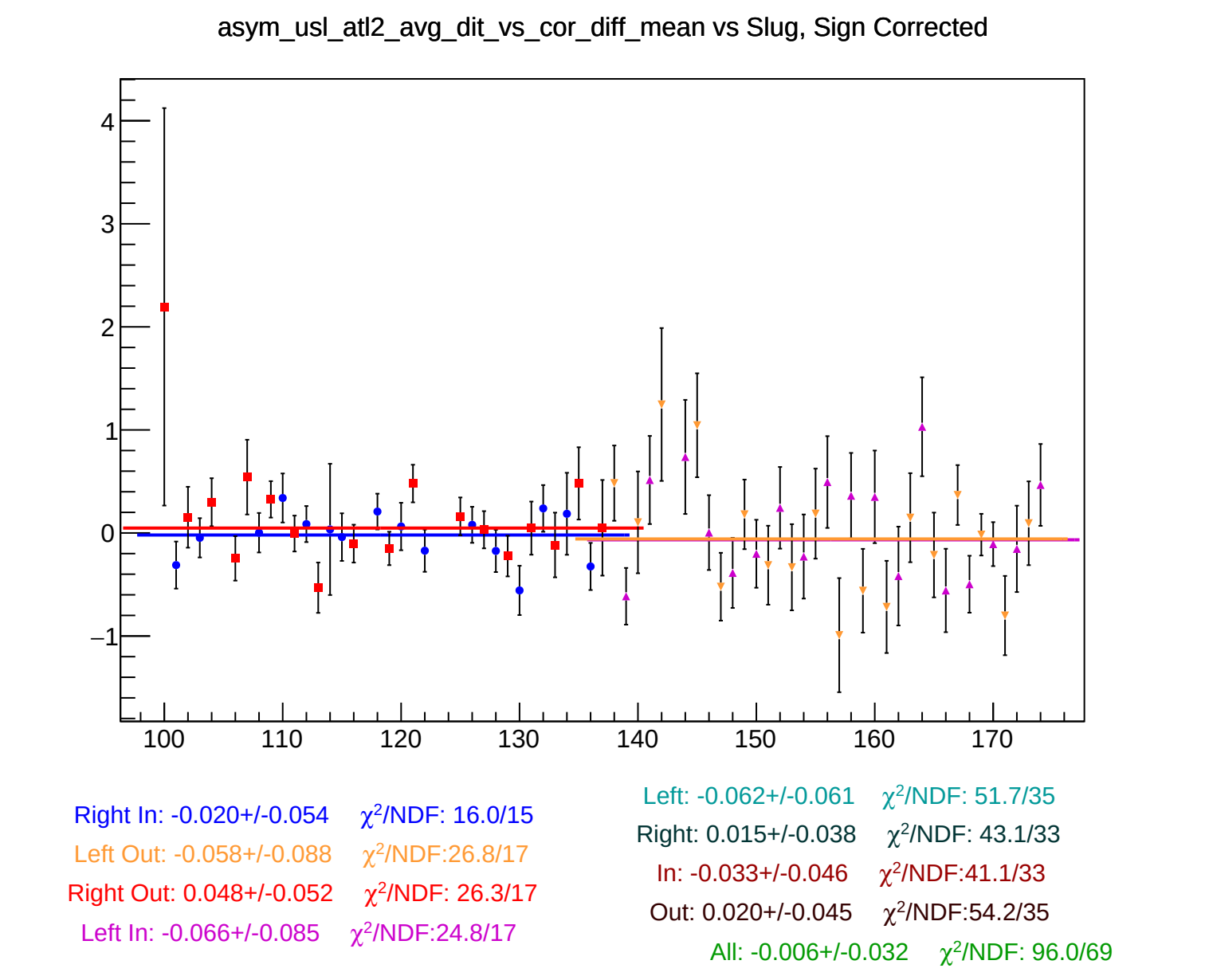
Left: 0.000+/-0.000 χ^2/NDF: 3284819.6/35

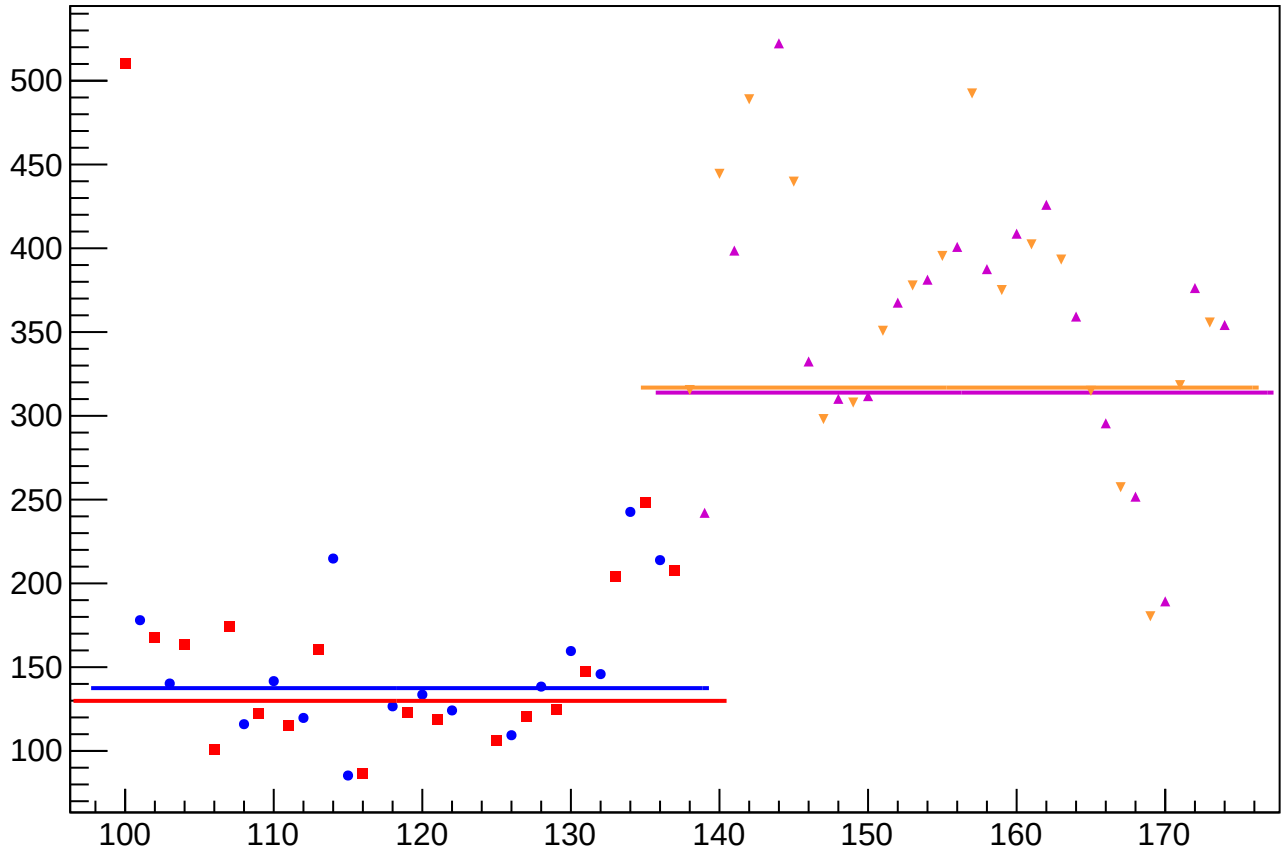
Right: 0.000+/-0.000 χ^2/NDF: 1799459.5/33

In: 0.000+/-0.000 χ^2/NDF:3079058.5/33

Out: 0.000+/-0.000 χ^2/NDF:2565212.5/35

All: 0.000+/-0.000 χ^2/NDF: 5678388.7/69


asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
100
110
120
130
140
150
160
170
Right In: -0.020+/-0.054 χ²/NDF: 16.0/15
Left Out: -0.058+/-0.088 χ²/NDF:26.8/17
Right Out: 0.048+/-0.052 χ²/NDF: 26.3/17
Left In: -0.066+/-0.085 χ²/NDF:24.8/17
Left: -0.062+/-0.061 χ²/NDF: 51.7/35
Right: 0.015+/-0.038 χ²/NDF: 43.1/33
In: -0.033+/-0.046 χ²/NDF:41.1/33
Out: 0.020+/-0.045 χ²/NDF:54.2/35
All: -0.006+/-0.032 χ²/NDF: 96.0/69



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 316.870+/-0.063 χ^2/NDF:1881418.5/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

Left: 315.311+/-0.043 χ^2/NDF: 3686243.8/35

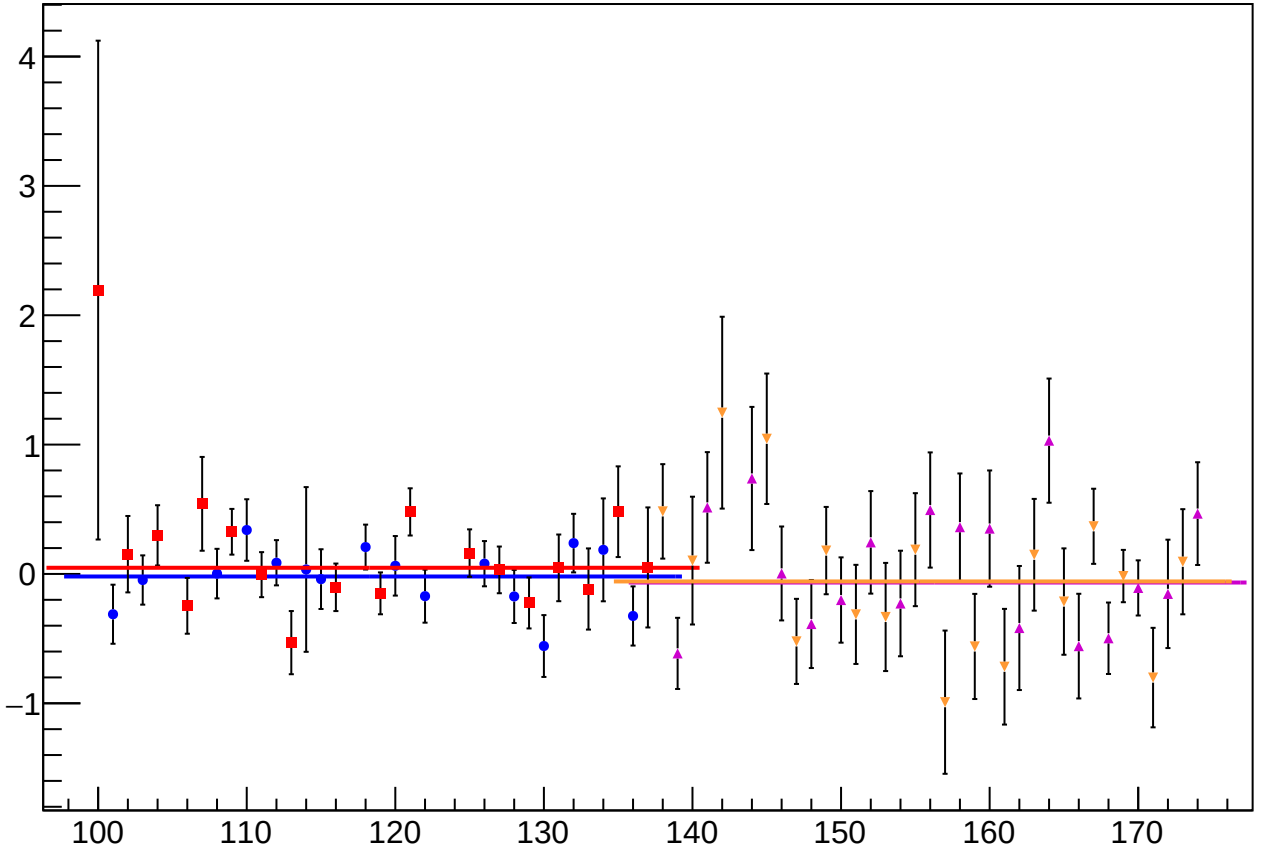
Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

In: 188.236+/-0.032 χ^2/NDF:8588240.5/33

Out: 178.599+/-0.032 χ^2/NDF:9325996.0/35

All: 183.353+/-0.023 χ^2/NDF: 17959197.8/69

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.058+/-0.088 χ^2/NDF:26.8/17

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.066+/-0.085 χ^2/NDF:24.8/17

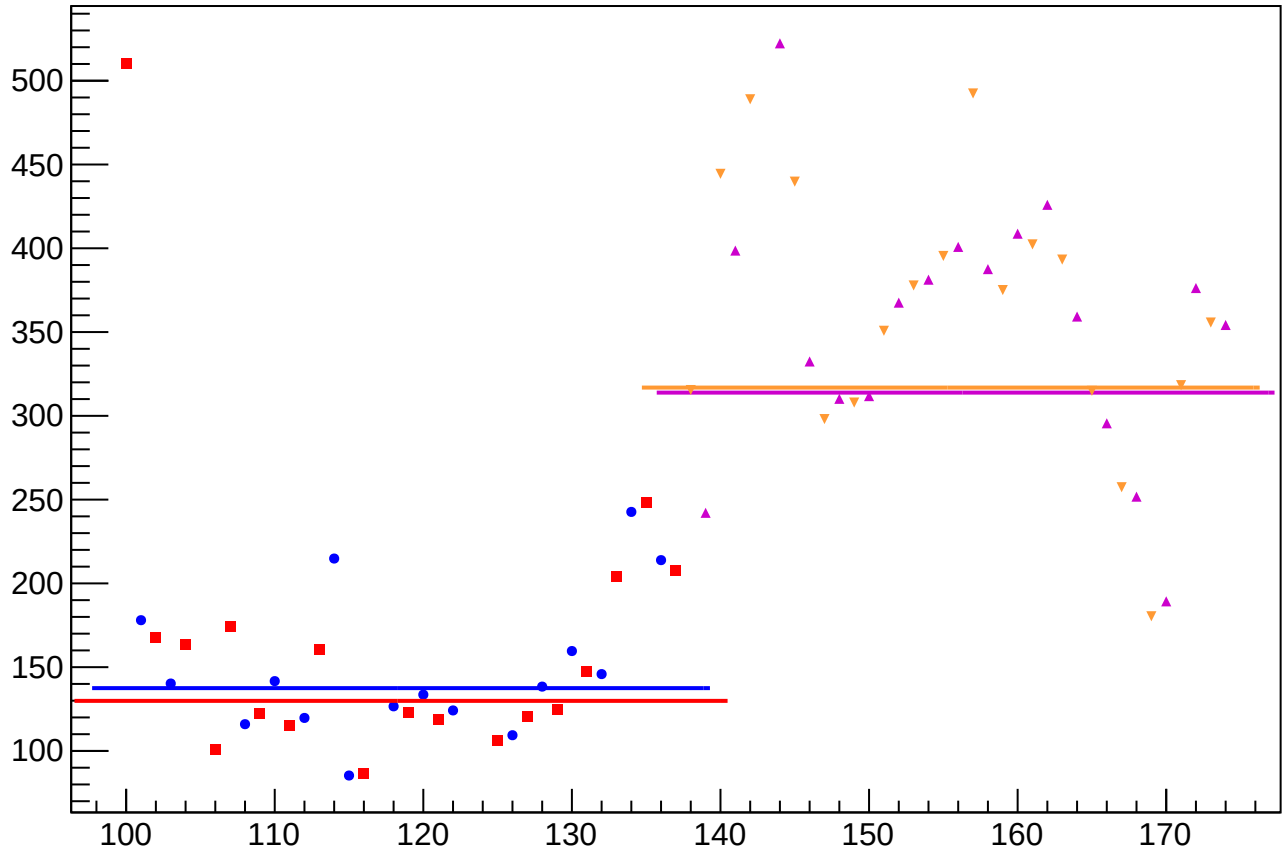
Left: -0.062+/-0.061 χ^2/NDF: 51.7/35

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.046 χ^2/NDF:41.1/33

Out: 0.020+/-0.045 χ^2/NDF:54.2/35

All: -0.006+/-0.032 χ^2/NDF: 96.0/69



Right In: 137.492+/-0.038 χ^2/NDF: 692947.9/15

Left Out: 316.870+/-0.063 χ^2/NDF:1881418.5/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833983.9/17

Left In: 313.861+/-0.060 χ^2/NDF:1803626.2/17

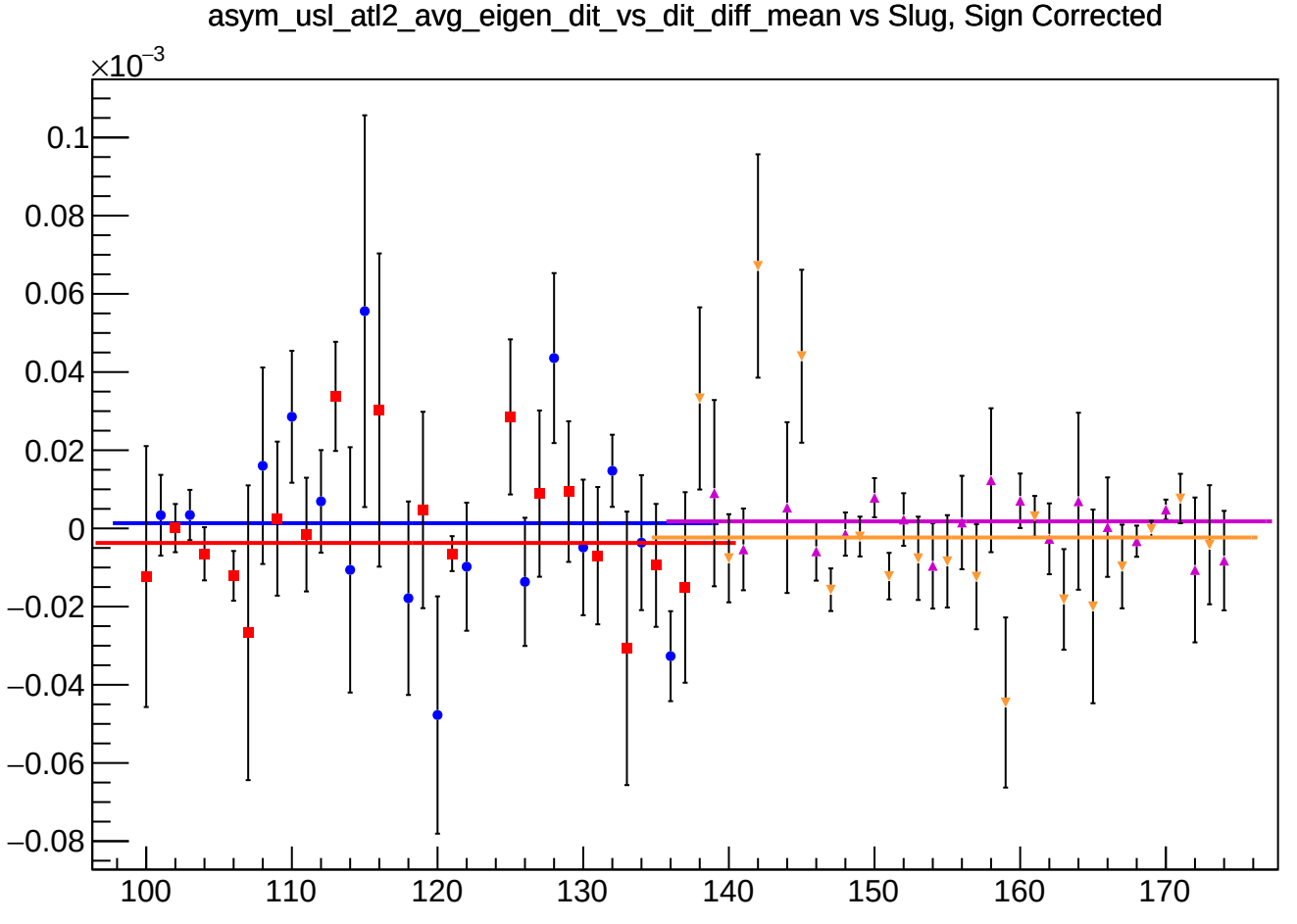
Left: 315.311+/-0.043 χ^2/NDF: 3686243.8/35

Right: 133.568+/-0.027 χ^2/NDF: 1547246.7/33

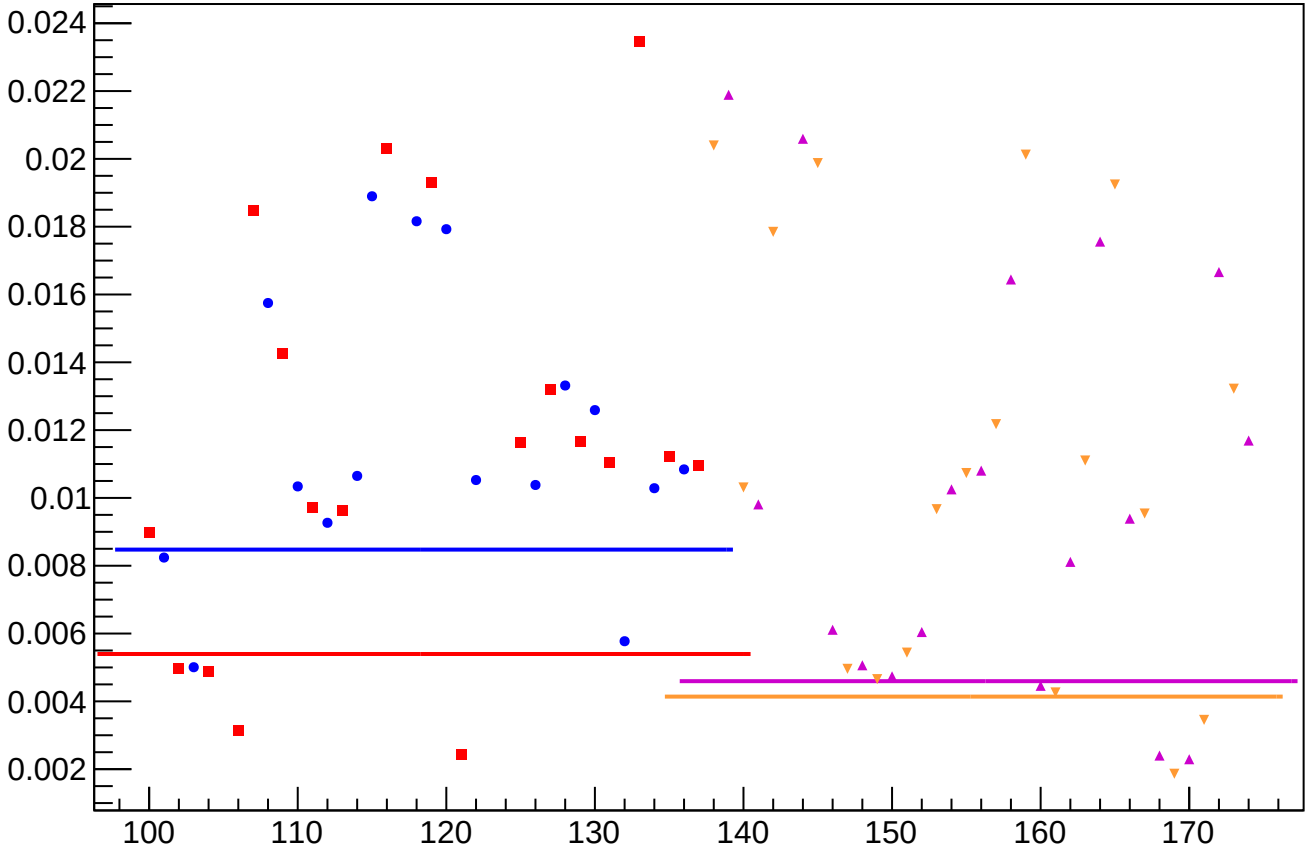
In: 188.236+/-0.032 χ^2/NDF:8588240.5/33

Out: 178.599+/-0.032 χ^2/NDF:9325996.0/35

All: 183.353+/-0.023 χ^2/NDF: 17959197.8/69


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:33.6/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.8/17
Left In: 0.000+/-0.000 χ²/NDF:9.8/17
Left: -0.000+/-0.000 χ²/NDF: 47.1/35
Right: -0.000+/-0.000 χ²/NDF: 41.1/33
In: 0.000+/-0.000 χ²/NDF:33.8/33
Out: -0.000+/-0.000 χ²/NDF:49.6/35
All: -0.000+/-0.000 χ²/NDF: 88.7/69

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1925998.4/15

Left Out: 0.004+/-0.000 χ^2/NDF:11130087.0/17

Right Out: 0.005+/-0.000 χ^2/NDF: 4909074.3/17

Left In: 0.005+/-0.000 χ^2/NDF:9666297.8/17

Left: 0.004+/-0.000 χ^2/NDF: 20885397.3/35

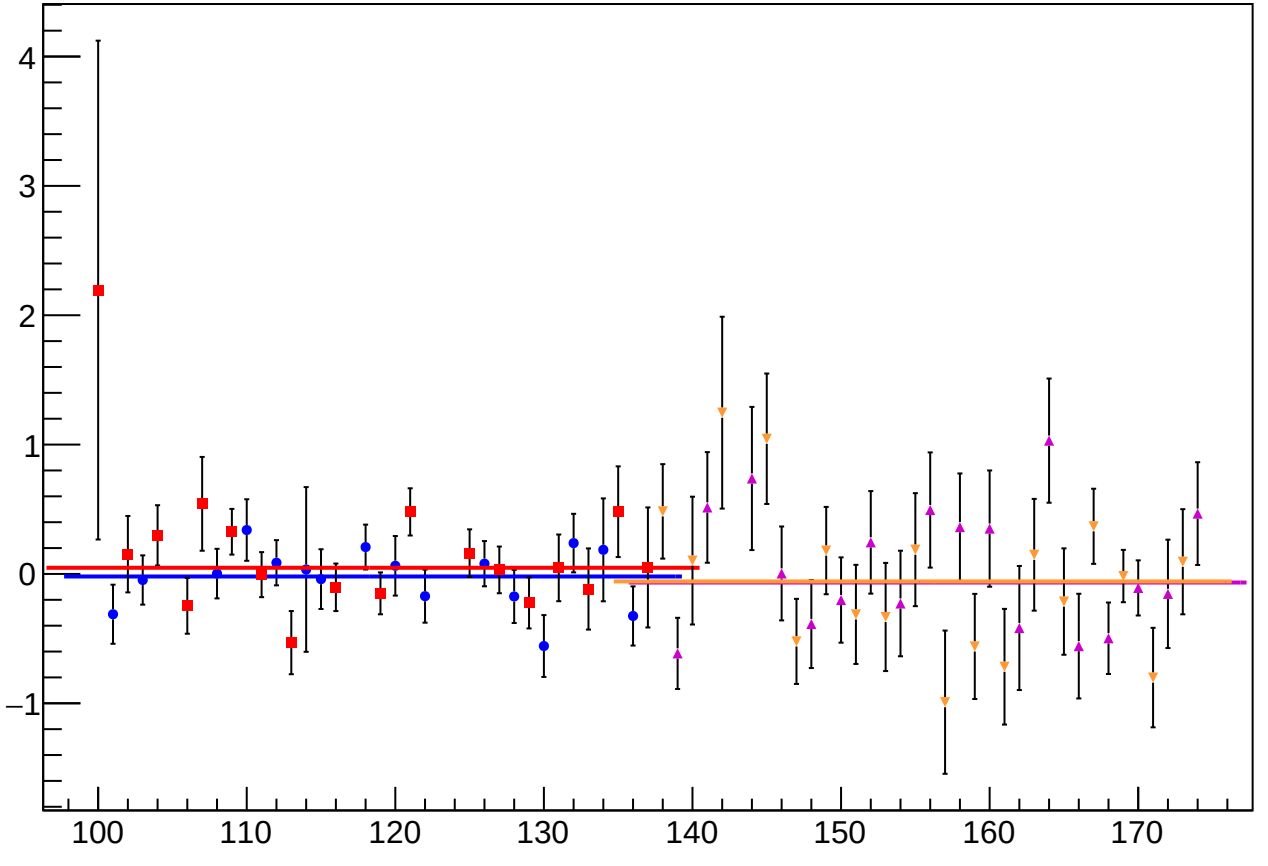
Right: 0.006+/-0.000 χ^2/NDF: 7872620.7/33

In: 0.005+/-0.000 χ^2/NDF:13694105.8/33

Out: 0.004+/-0.000 χ^2/NDF:16406202.0/35

All: 0.005+/-0.000 χ^2/NDF: 30441509.7/69

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: -0.058+/-0.088 χ^2/NDF:26.9/17

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.066+/-0.085 χ^2/NDF:24.8/17

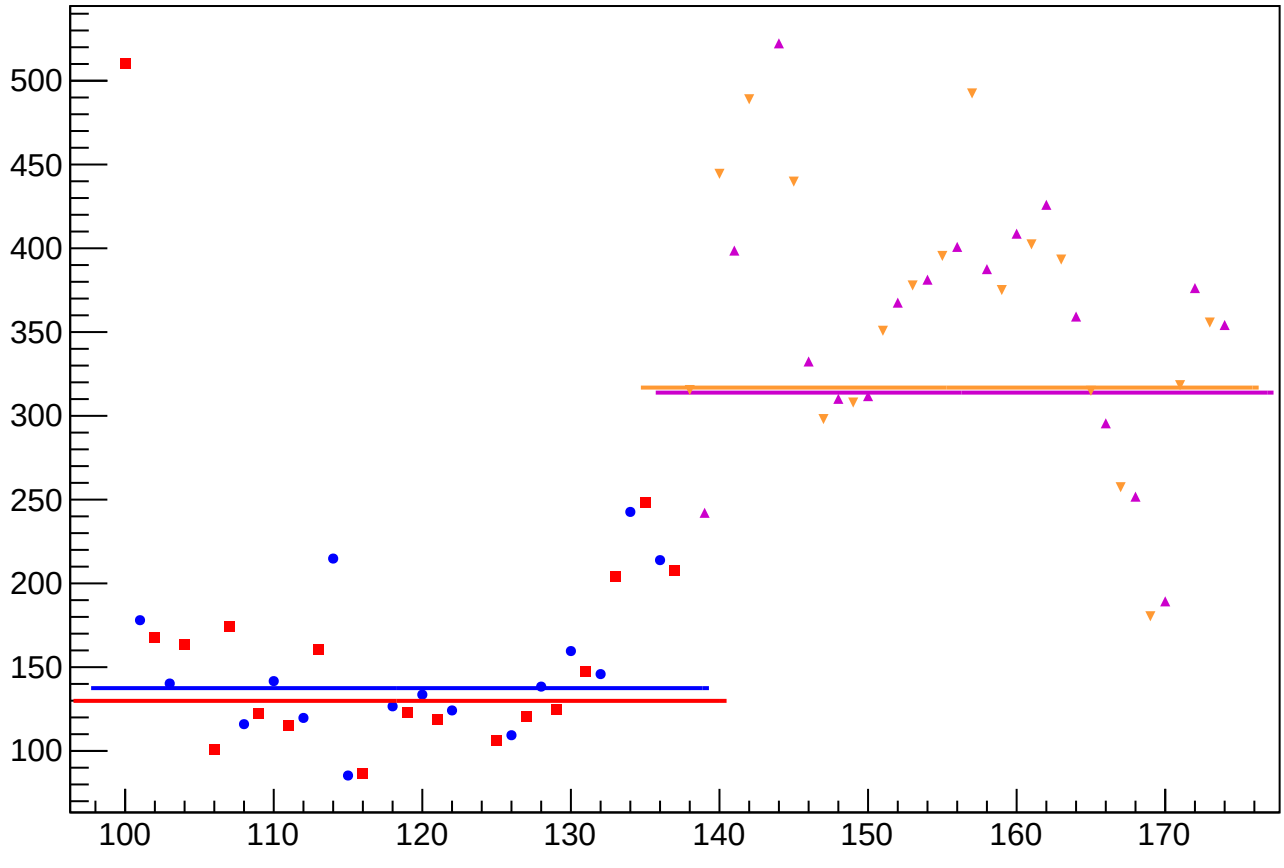
Left: -0.062+/-0.061 χ^2/NDF: 51.7/35

Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.046 χ^2/NDF:41.1/33

Out: 0.020+/-0.045 χ^2/NDF:54.2/35

All: -0.006+/-0.032 χ^2/NDF: 96.0/69



Right In: 137.492+/-0.038 χ^2/NDF: 692923.1/15

Left Out: 316.871+/-0.063 χ^2/NDF:1881486.7/17

Right Out: 129.887+/-0.037 χ^2/NDF: 833937.8/17

Left In: 313.864+/-0.060 χ^2/NDF:1803617.9/17

Left: 315.313+/-0.043 χ^2/NDF: 3686303.1/35

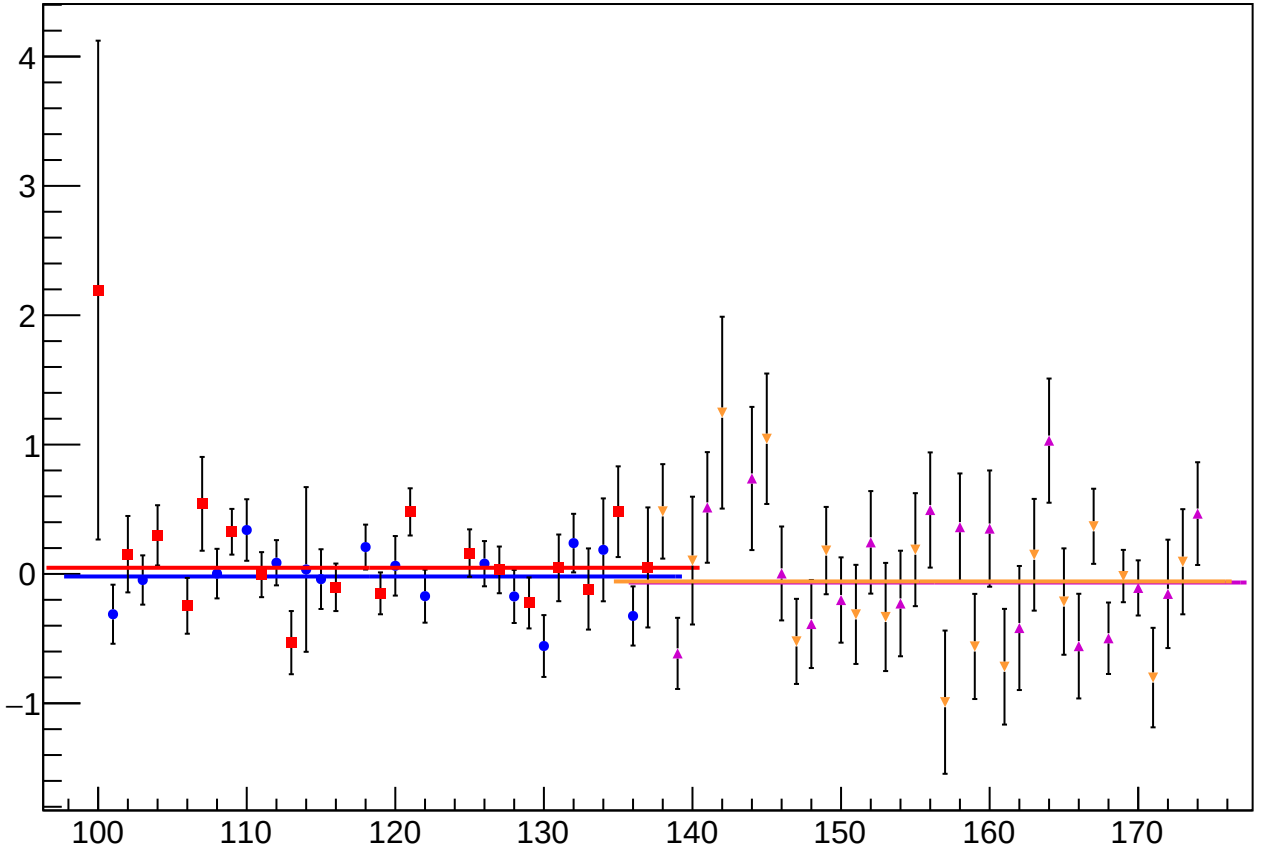
Right: 133.568+/-0.027 χ^2/NDF: 1547174.9/33

In: 188.235+/-0.032 χ^2/NDF:8588336.5/33

Out: 178.599+/-0.032 χ^2/NDF:9326097.5/35

All: 183.353+/-0.023 χ^2/NDF: 17959395.7/69

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.054 χ^2/NDF: 16.0/15

Left Out: -0.058+/-0.088 χ^2/NDF:26.9/17

Right Out: 0.048+/-0.052 χ^2/NDF: 26.3/17

Left In: -0.066+/-0.085 χ^2/NDF:24.8/17

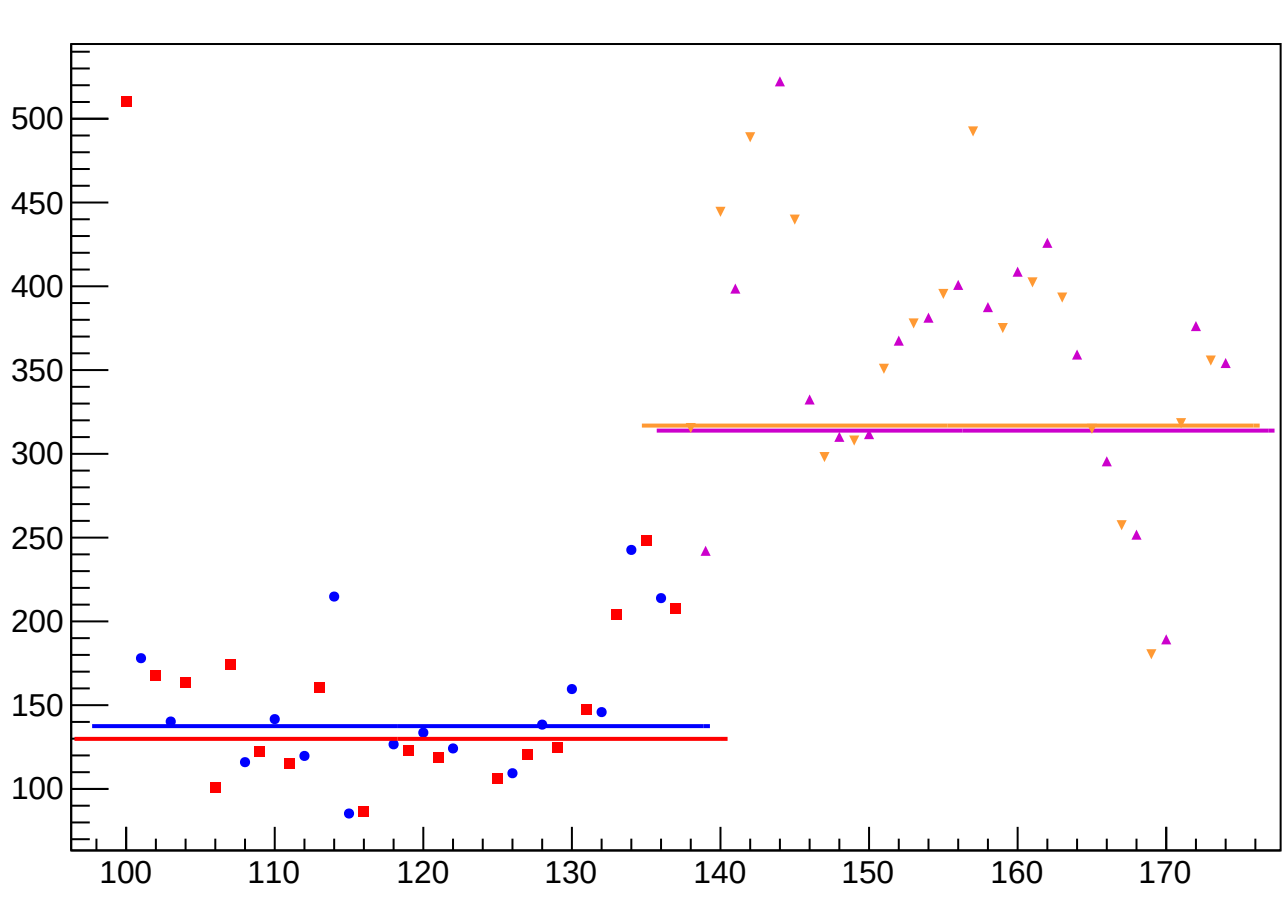
Left: -0.062+/-0.061 χ^2/NDF: 51.7/35

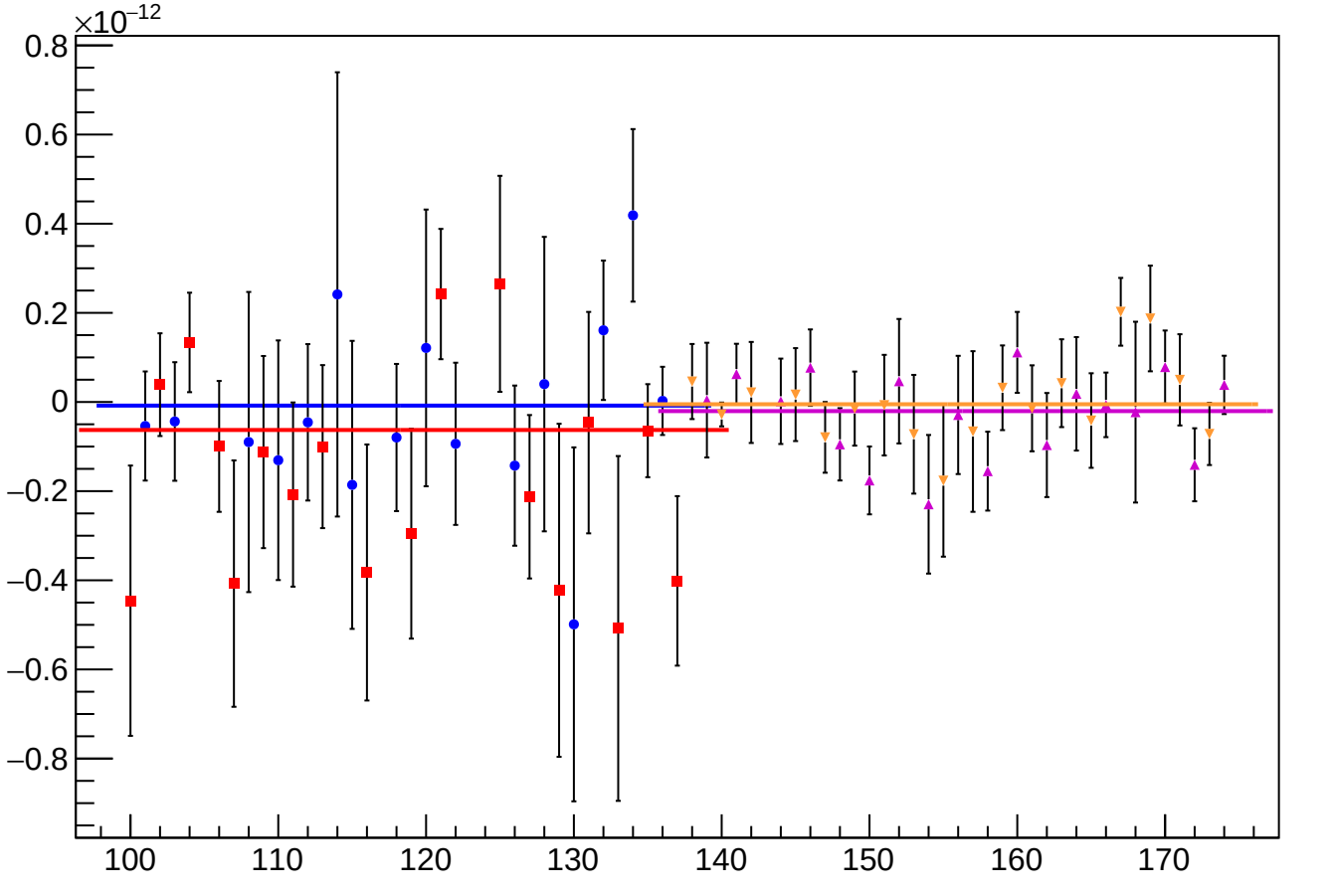
Right: 0.015+/-0.038 χ^2/NDF: 43.1/33

In: -0.033+/-0.046 χ^2/NDF:41.1/33

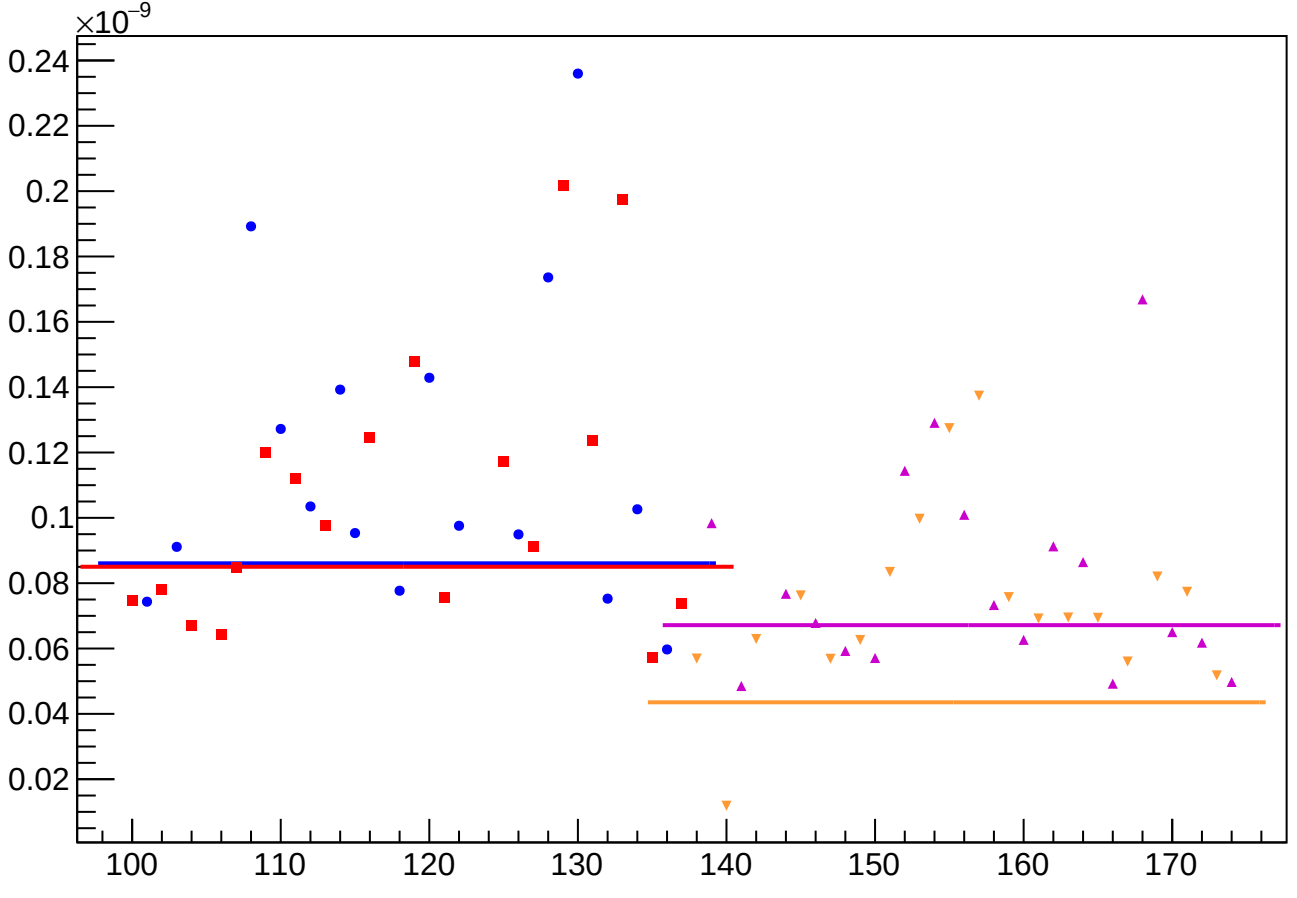
Out: 0.020+/-0.045 χ^2/NDF:54.2/35

All: -0.006+/-0.032 χ^2/NDF: 96.0/69


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
100
110
120
130
140
150
160
170
Right In: 137.492+/-0.038 χ²/NDF: 692923.1/15
Left Out: 316.871+/-0.063 χ²/NDF:1881486.7/17
Right Out: 129.887+/-0.037 χ²/NDF: 833937.8/17
Left In: 313.864+/-0.060 χ²/NDF:1803617.9/17
Left: 315.313+/-0.043 χ²/NDF: 3686303.1/35
Right: 133.568+/-0.027 χ²/NDF: 1547174.9/33
In: 188.235+/-0.032 χ²/NDF:8588336.5/33
Out: 178.599+/-0.032 χ²/NDF:9326097.5/35
All: 183.353+/-0.023 χ²/NDF: 17959395.7/69


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 9.8/15
Left Out: -0.000+/-0.000 χ²/NDF:15.2/17
Right Out: -0.000+/-0.000 χ²/NDF: 22.2/17
Left In: -0.000+/-0.000 χ²/NDF:19.3/17
Left: -0.000+/-0.000 χ²/NDF: 34.9/35
Right: -0.000+/-0.000 χ²/NDF: 32.8/33
In: -0.000+/-0.000 χ²/NDF:29.2/33
Out: -0.000+/-0.000 χ²/NDF:39.0/35
All: -0.000+/-0.000 χ²/NDF: 68.3/69

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1072075.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:6056825.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 983211.4/17

Left In: 0.000+/-0.000 χ^2/NDF:1920806.9/17

Left: 0.000+/-0.000 χ^2/NDF: 9398174.4/35

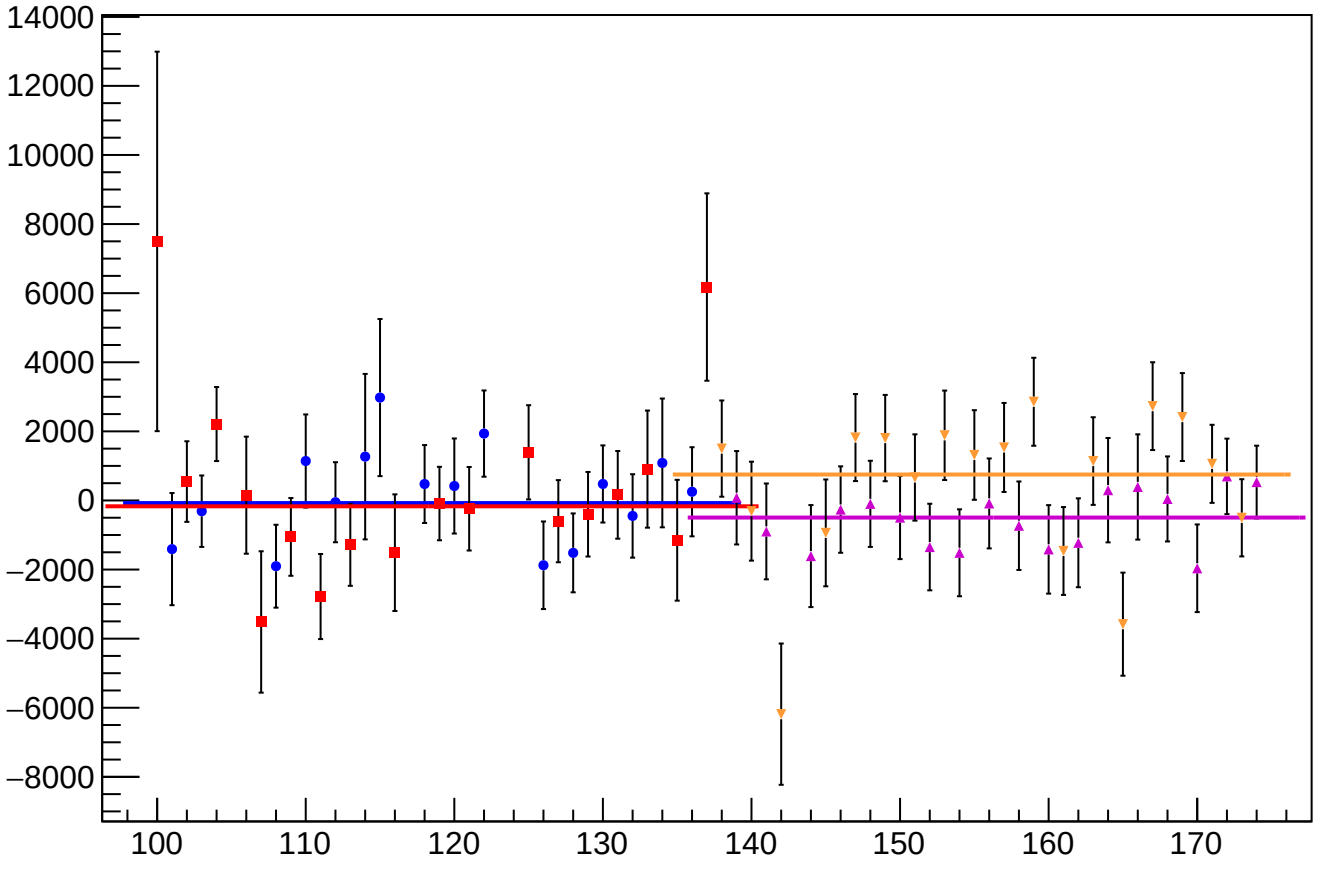
Right: 0.000+/-0.000 χ^2/NDF: 2055907.6/33

In: 0.000+/-0.000 χ^2/NDF:3307792.6/33

Out: 0.000+/-0.000 χ^2/NDF:8713788.7/35

All: 0.000+/-0.000 χ^2/NDF: 13423247.8/69

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -75.944+/-326.226 χ^2/NDF: 13.4/15

Left Out: 750.779+/-308.697 χ^2/NDF:36.1/17

Right Out: -169.345+/-321.827 χ^2/NDF: 24.4/17

Left In: -494.922+/-300.516 χ^2/NDF:7.3/17

Left: 111.202+/-215.331 χ^2/NDF: 51.8/35

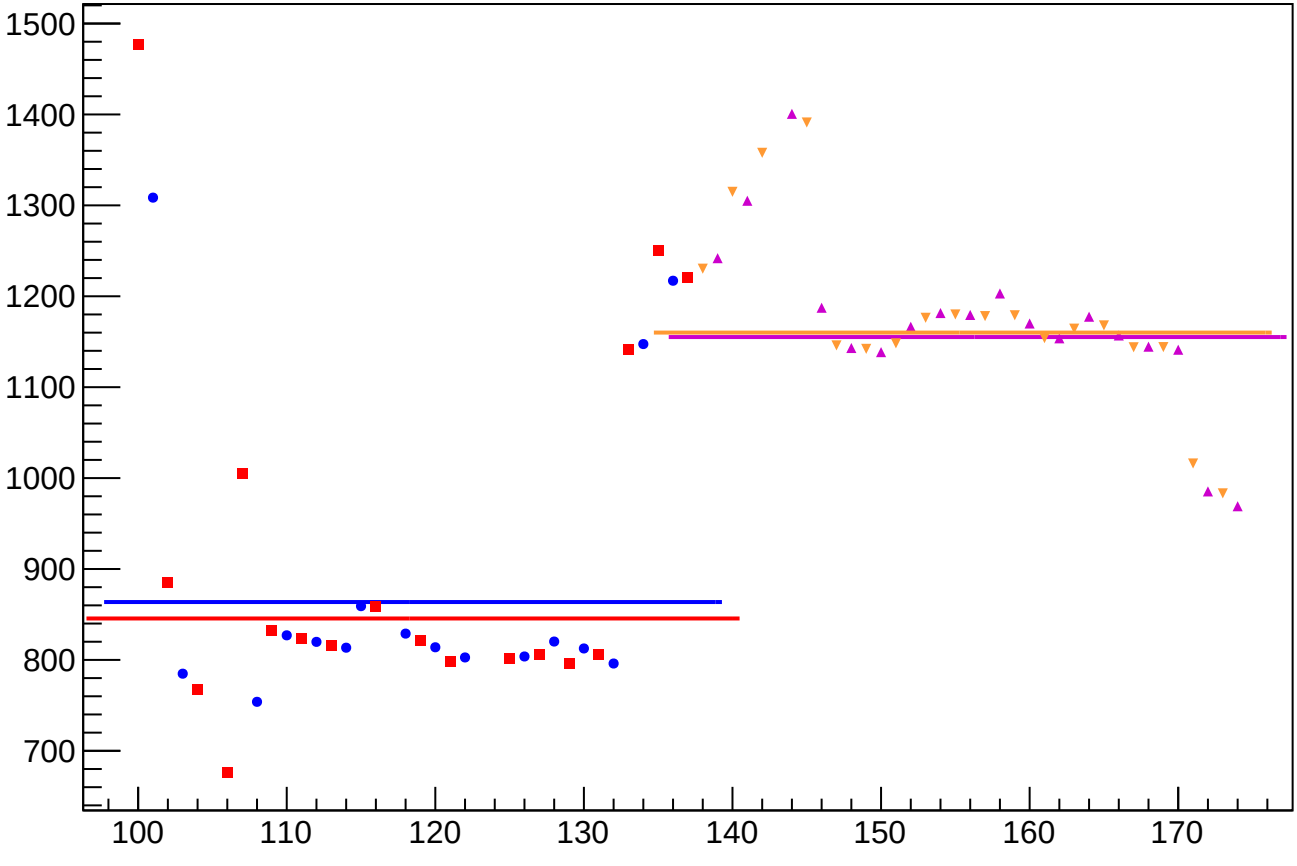
Right: -123.279+/-229.106 χ^2/NDF: 37.8/33

In: -302.592+/-221.028 χ^2/NDF:21.6/33

Out: 309.869+/-222.779 χ^2/NDF:64.7/35

All: 1.222+/-156.906 χ^2/NDF: 90.1/69

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.8/15

Left Out: 1160.077+/-0.218 χ^2/NDF:177703.3/17

Right Out: 845.579+/-0.225 χ^2/NDF: 307774.6/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

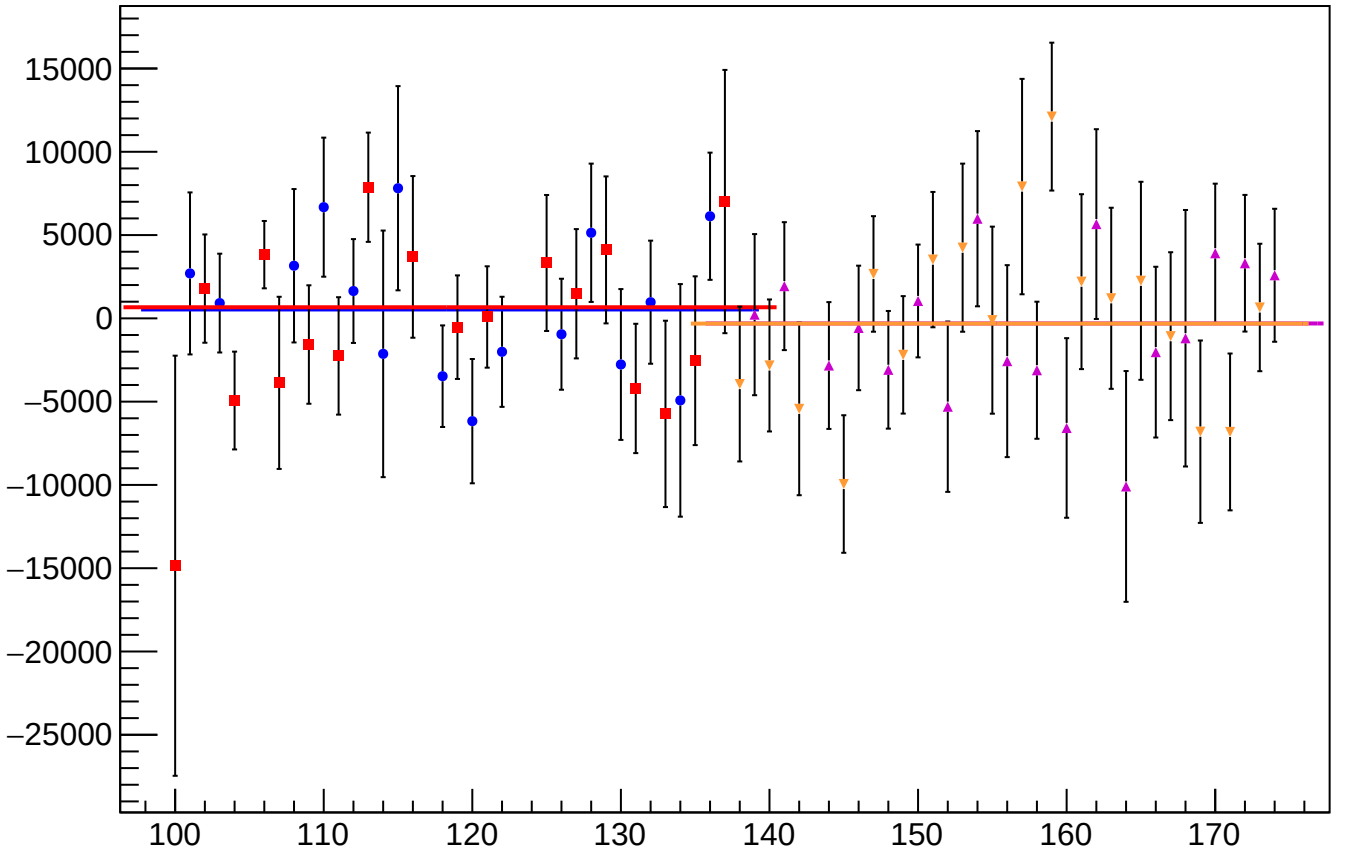
Left: 1157.546+/-0.152 χ^2/NDF: 383204.6/35

Right: 854.385+/-0.161 χ^2/NDF: 718425.8/33

In: 1021.342+/-0.156 χ^2/NDF:1476492.7/33

Out: 1007.421+/-0.157 χ^2/NDF:1493095.0/35

All: 1014.395+/-0.111 χ^2/NDF: 2973547.2/69



Right In: 534.507+/-981.290 χ^2/NDF: 14.7/15

Left Out: -314.191+/-1078.164 χ^2/NDF:23.5/17

Right Out: 665.878+/-864.970 χ^2/NDF: 20.0/17

Left In: -306.826+/-1052.567 χ^2/NDF:11.5/17

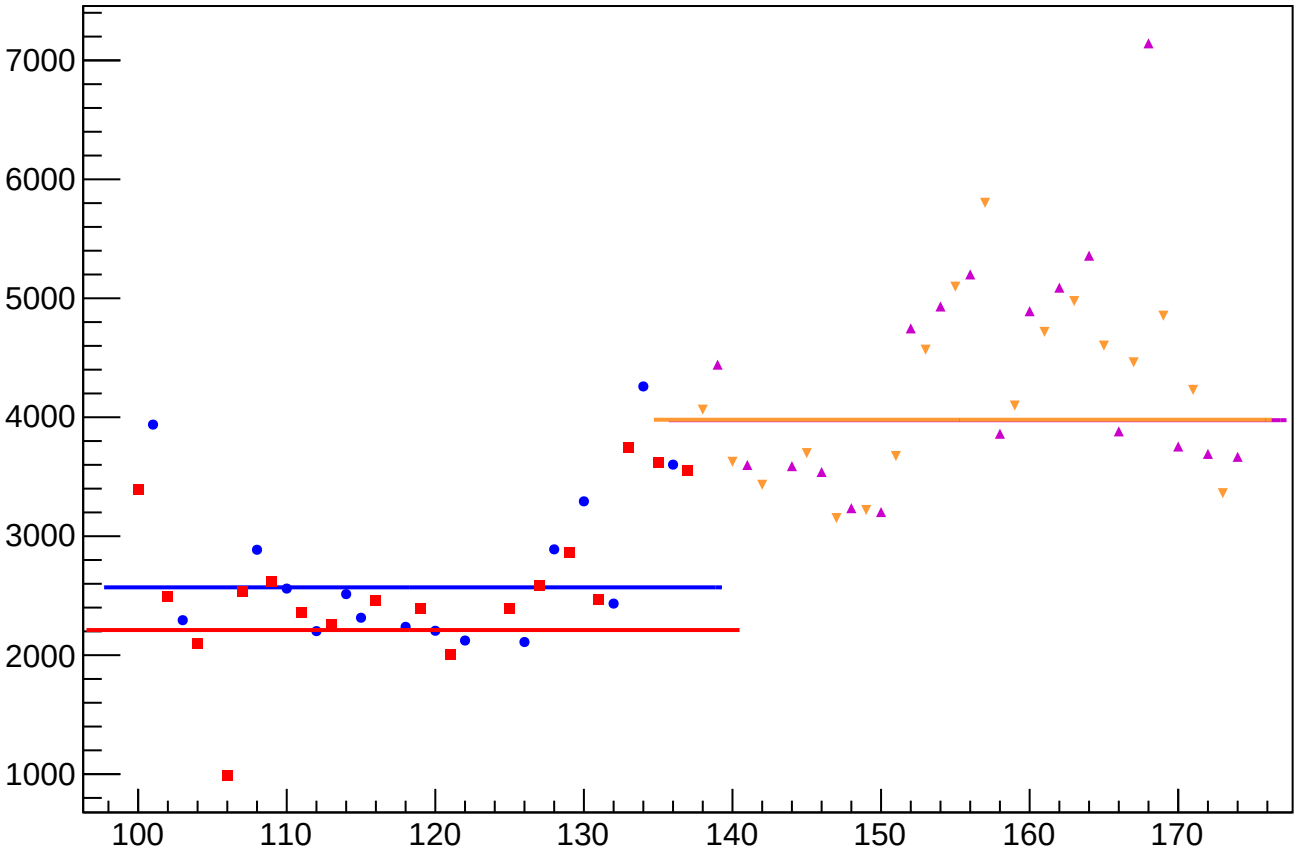
Left: -310.420+/-753.164 χ^2/NDF: 35.0/35

Right: 608.437+/-648.874 χ^2/NDF: 34.6/33

In: 143.289+/-717.753 χ^2/NDF:26.5/33

Out: 282.094+/-674.683 χ^2/NDF:44.0/35

All: 216.981+/-491.594 χ^2/NDF: 70.5/69



Right In: 2570.135+/-0.694 χ^2/NDF: 662477.9/15

Left Out: 3979.161+/-0.762 χ^2/NDF:788767.5/17

Right Out: 2211.269+/-0.612 χ^2/NDF: 1264087.9/17

Left In: 3975.313+/-0.744 χ^2/NDF:1061167.8/17

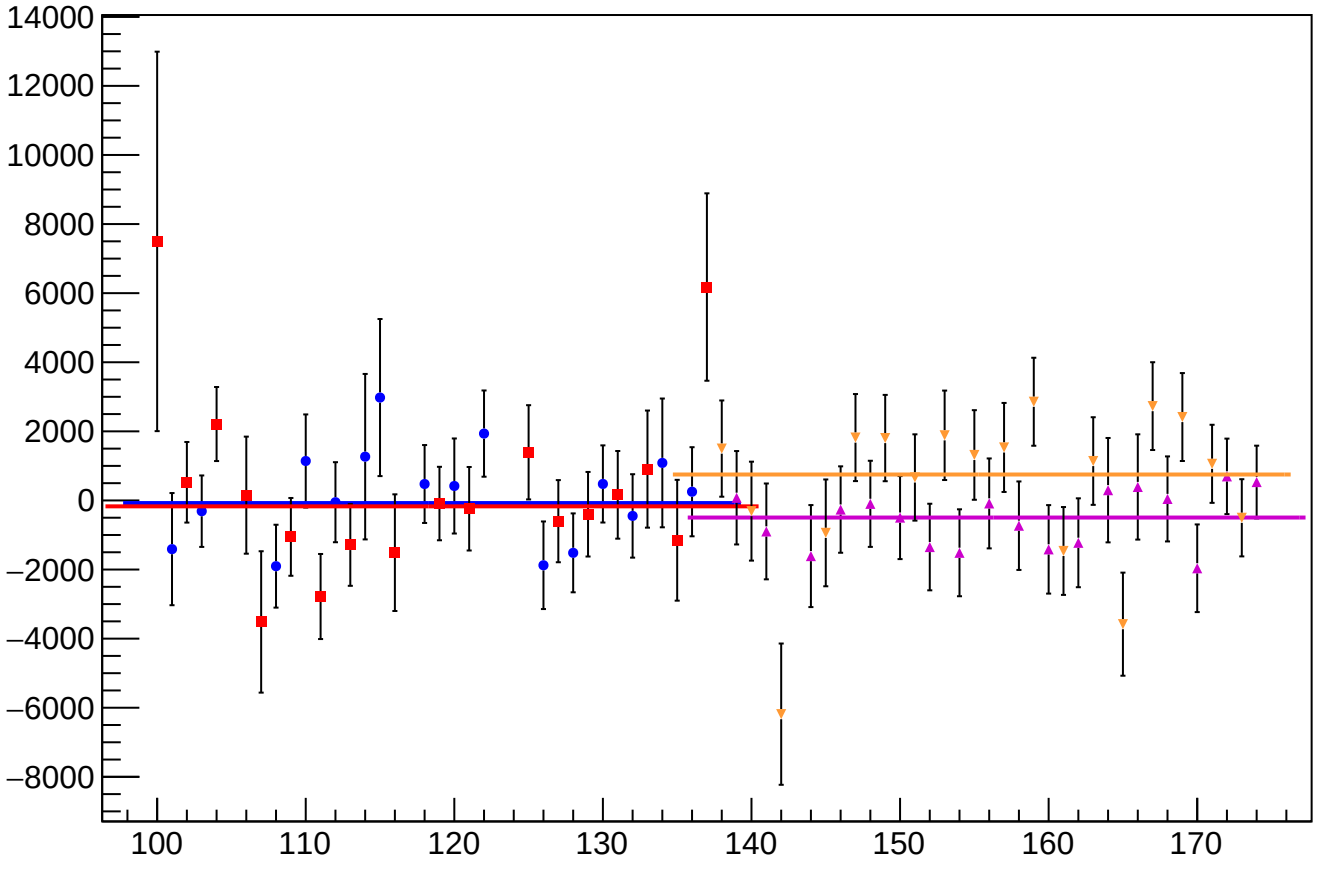
Left: 3977.191+/-0.533 χ^2/NDF: 1849948.3/35

Right: 2368.182+/-0.459 χ^2/NDF: 2077093.7/33

In: 3223.540+/-0.508 χ^2/NDF:3630638.3/33

Out: 2903.556+/-0.477 χ^2/NDF:5324522.0/35

All: 3053.660+/-0.348 χ^2/NDF: 9166194.0/69



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 750.780+/-308.697 χ^2/NDF:36.1/17

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -494.907+/-300.516 χ^2/NDF:7.3/17

Left: 111.210+/-215.331 χ^2/NDF: 51.8/35

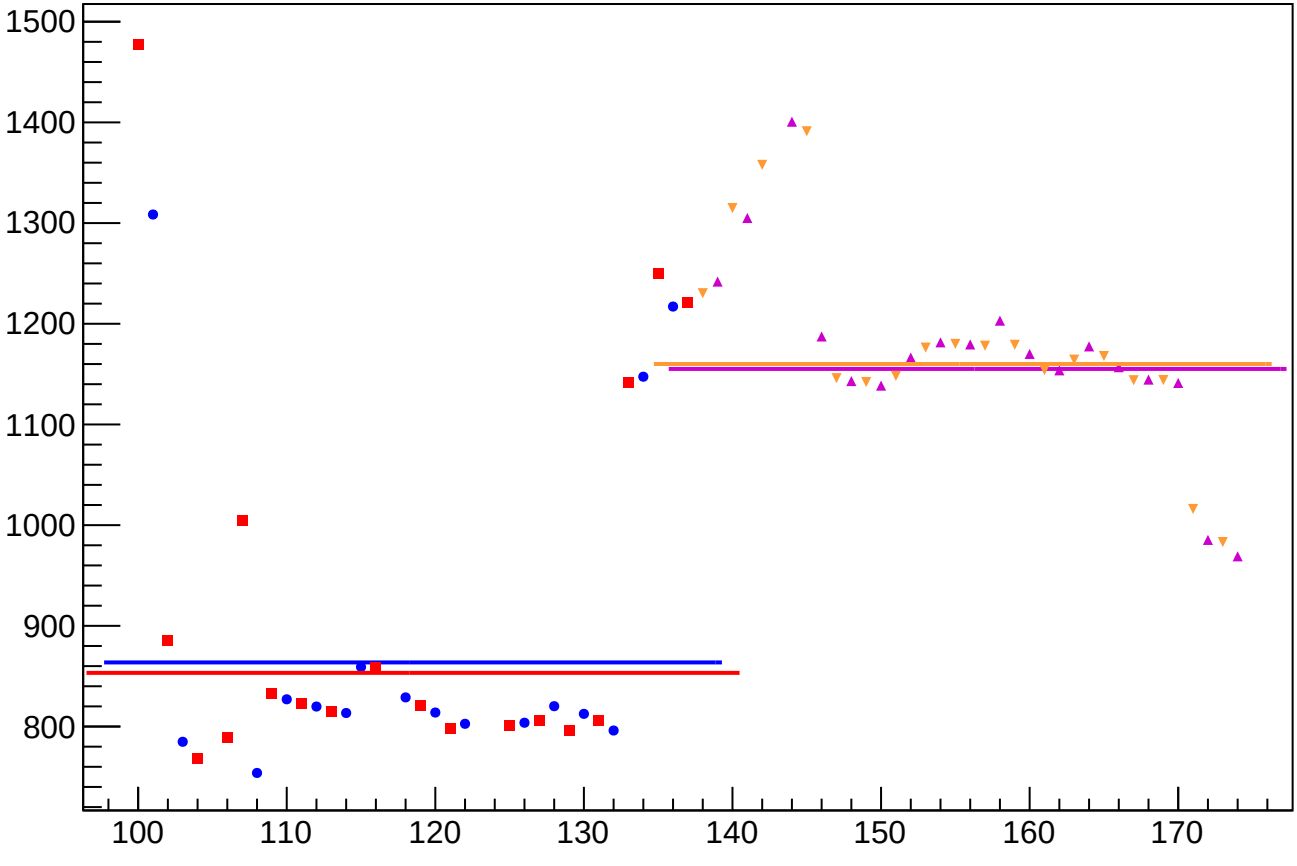
Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -302.620+/-221.028 χ^2/NDF:21.6/33

Out: 309.092+/-222.781 χ^2/NDF:64.7/35

All: 0.821+/-156.906 χ^2/NDF: 90.1/69

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1160.077+/-0.218 χ^2/NDF:177703.3/17

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

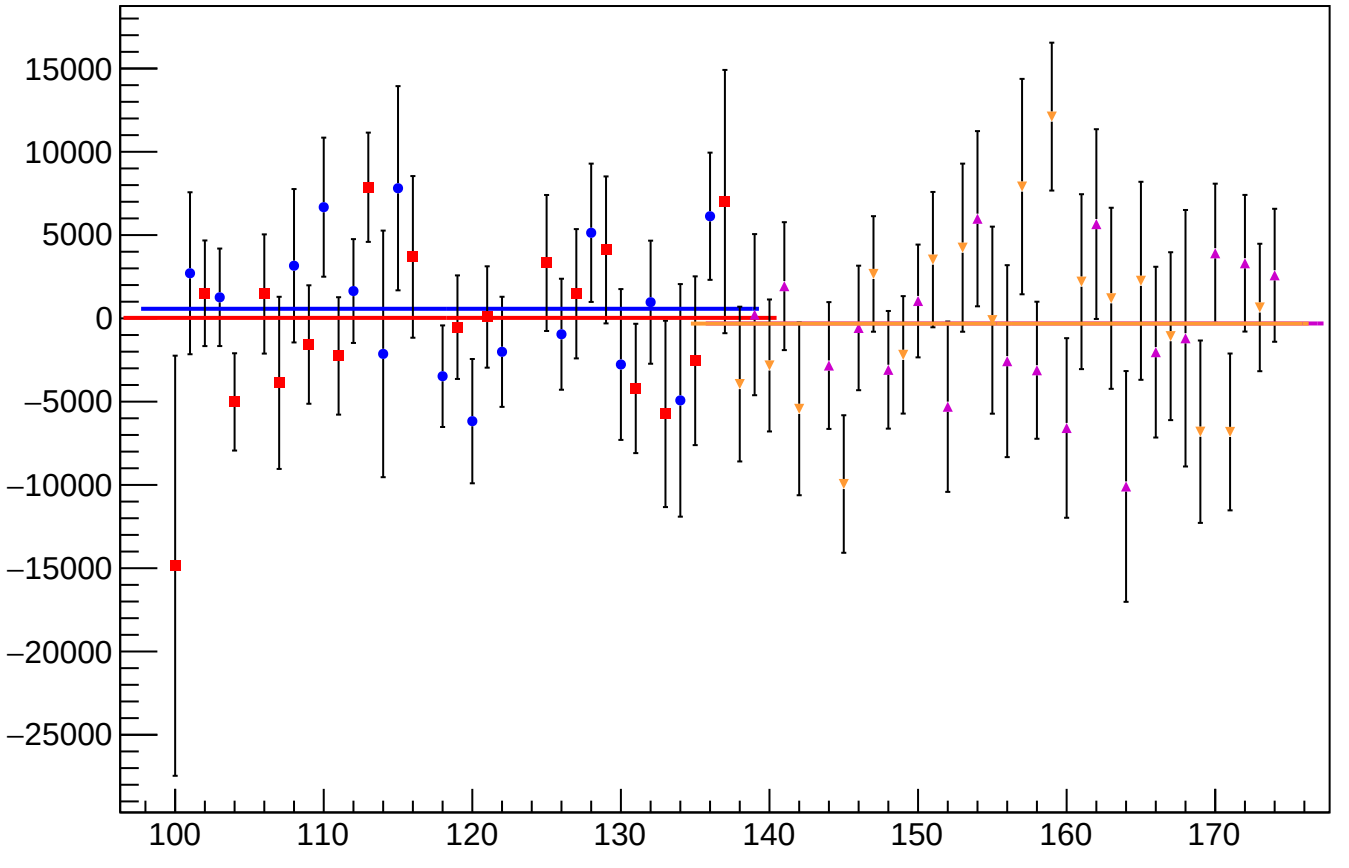
Left: 1157.546+/-0.152 χ^2/NDF: 383204.6/35

Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1021.342+/-0.156 χ^2/NDF:1476492.8/33

Out: 1012.278+/-0.157 χ^2/NDF:1404699.1/35

All: 1016.835+/-0.111 χ^2/NDF: 2882864.5/69



Right In: 574.964+/-979.856 χ^2/NDF: 14.7/15

Left Out: -314.183+/-1078.164 χ^2/NDF:23.5/17

Right Out: 28.604+/-922.115 χ^2/NDF: 17.2/17

Left In: -306.860+/-1052.566 χ^2/NDF:11.5/17

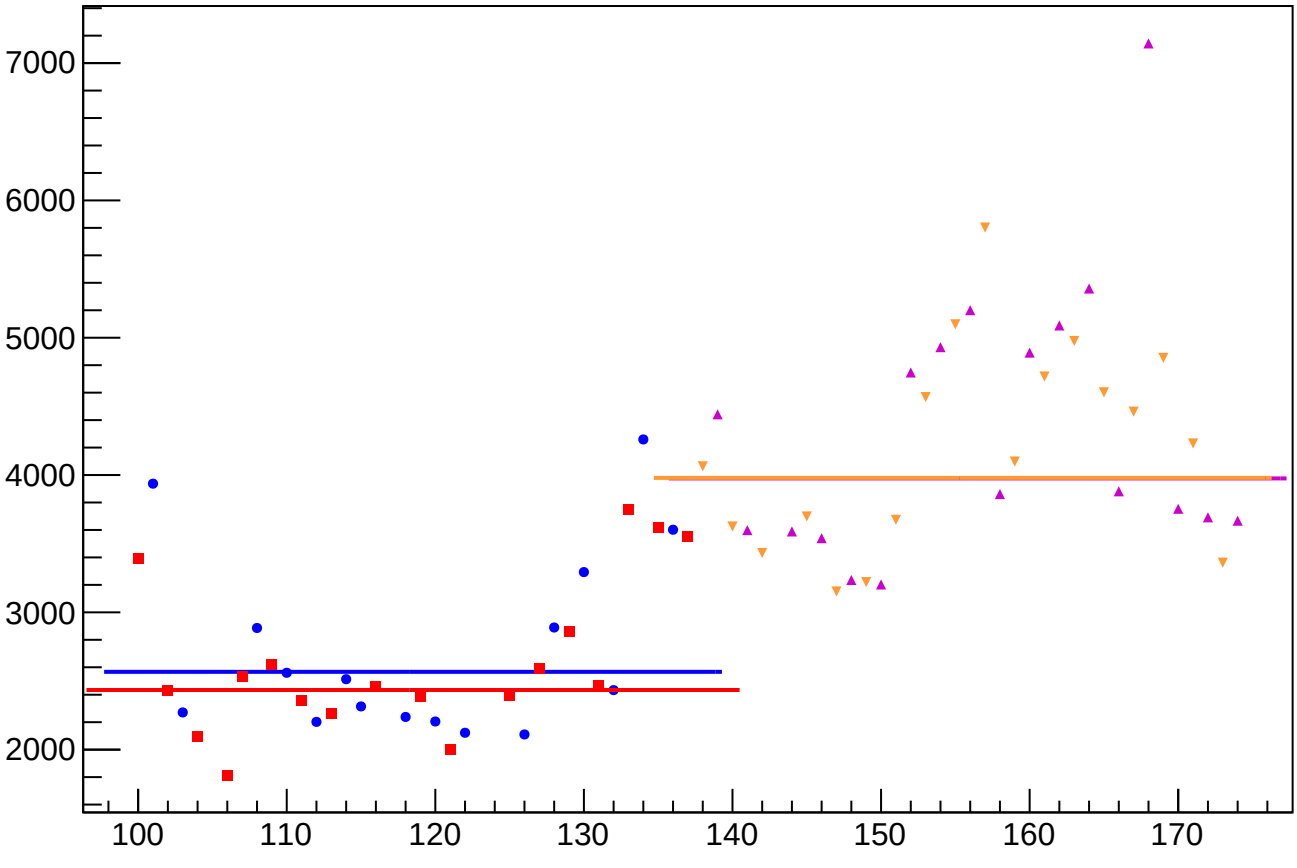
Left: -310.434+/-753.164 χ^2/NDF: 35.0/35

Right: 285.212+/-671.519 χ^2/NDF: 32.1/33

In: 165.559+/-717.191 χ^2/NDF:26.5/33

Out: -116.209+/-700.772 χ^2/NDF:40.8/35

All: 21.412+/-501.225 χ^2/NDF: 67.4/69



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3979.162+/-0.762 χ^2/NDF:788763.8/17

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

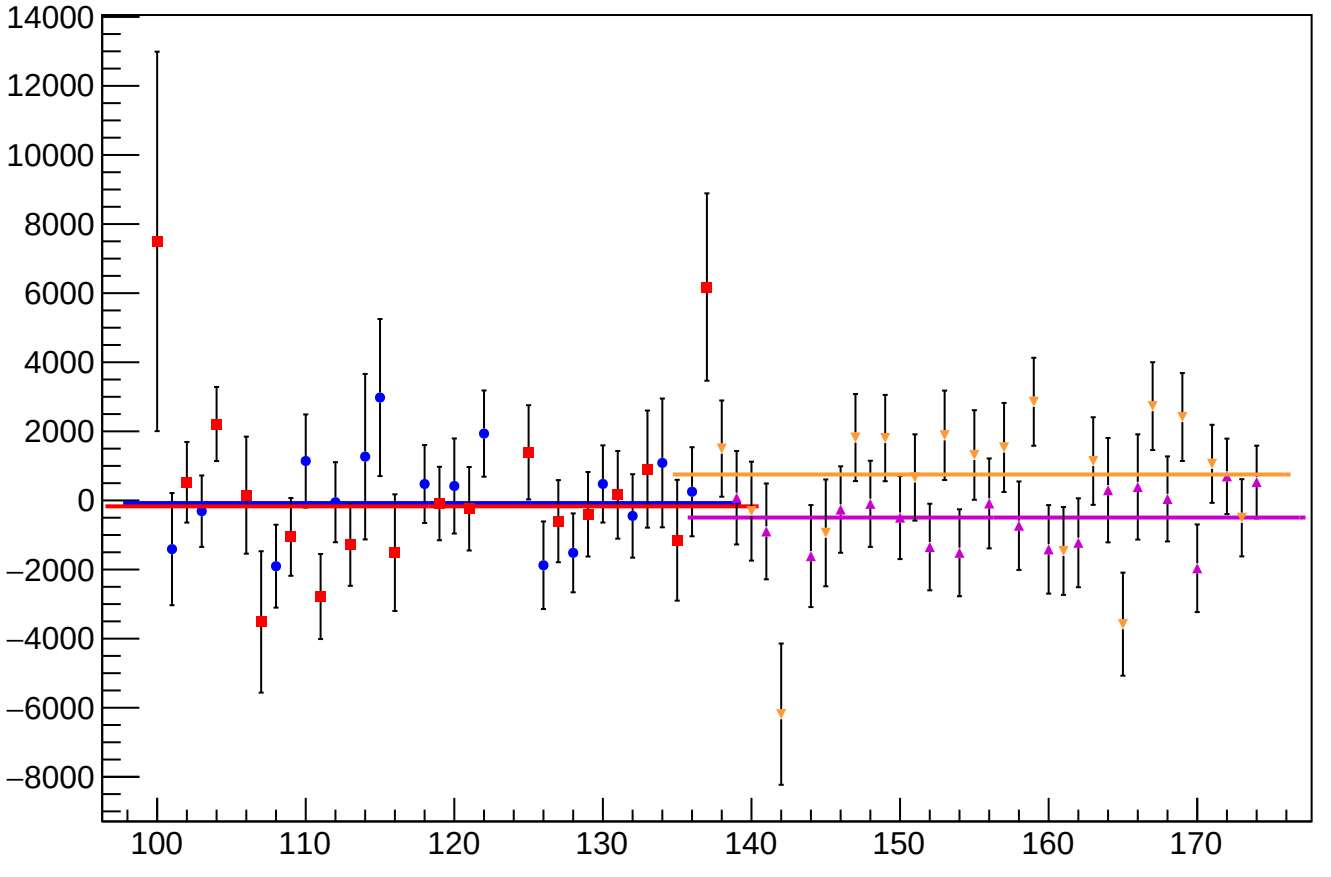
Left: 3977.189+/-0.533 χ^2/NDF: 1849948.0/35

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3220.693+/-0.507 χ^2/NDF:3645877.3/33

Out: 3087.015+/-0.496 χ^2/NDF:3593944.1/35

All: 3152.306+/-0.354 χ^2/NDF: 7275367.6/69



Right In: -76.022+/-326.226 χ^2/NDF: 13.3/15

Left Out: 750.780+/-308.697 χ^2/NDF:36.1/17

Right Out: -170.982+/-321.832 χ^2/NDF: 24.4/17

Left In: -494.907+/-300.516 χ^2/NDF:7.3/17

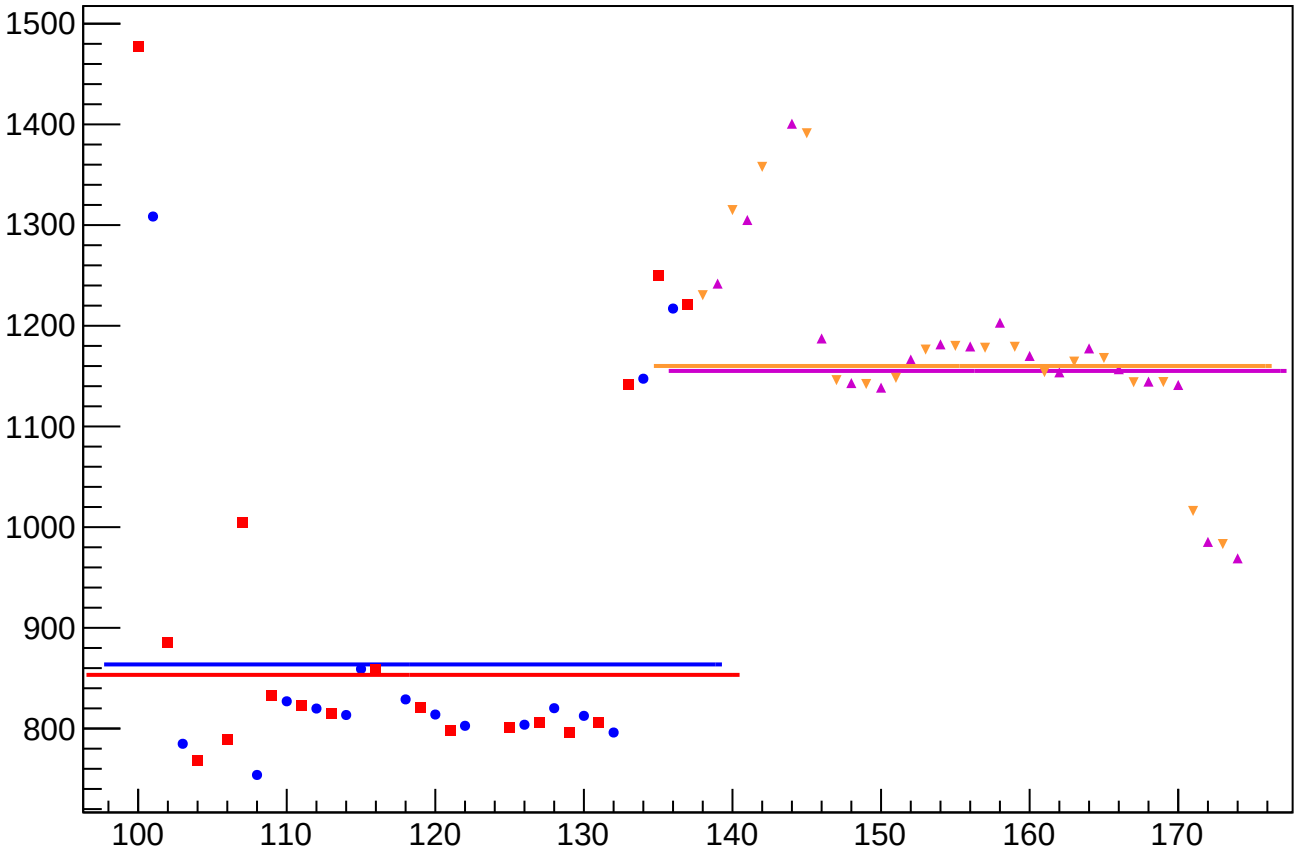
Left: 111.210+/-215.331 χ^2/NDF: 51.8/35

Right: -124.146+/-229.107 χ^2/NDF: 37.7/33

In: -302.620+/-221.028 χ^2/NDF:21.6/33

Out: 309.092+/-222.781 χ^2/NDF:64.7/35

All: 0.821+/-156.906 χ^2/NDF: 90.1/69



Right In: 863.661+/-0.231 χ^2/NDF: 407498.5/15

Left Out: 1160.077+/-0.218 χ^2/NDF:177703.3/17

Right Out: 853.289+/-0.226 χ^2/NDF: 275357.1/17

Left In: 1155.148+/-0.212 χ^2/NDF:205239.5/17

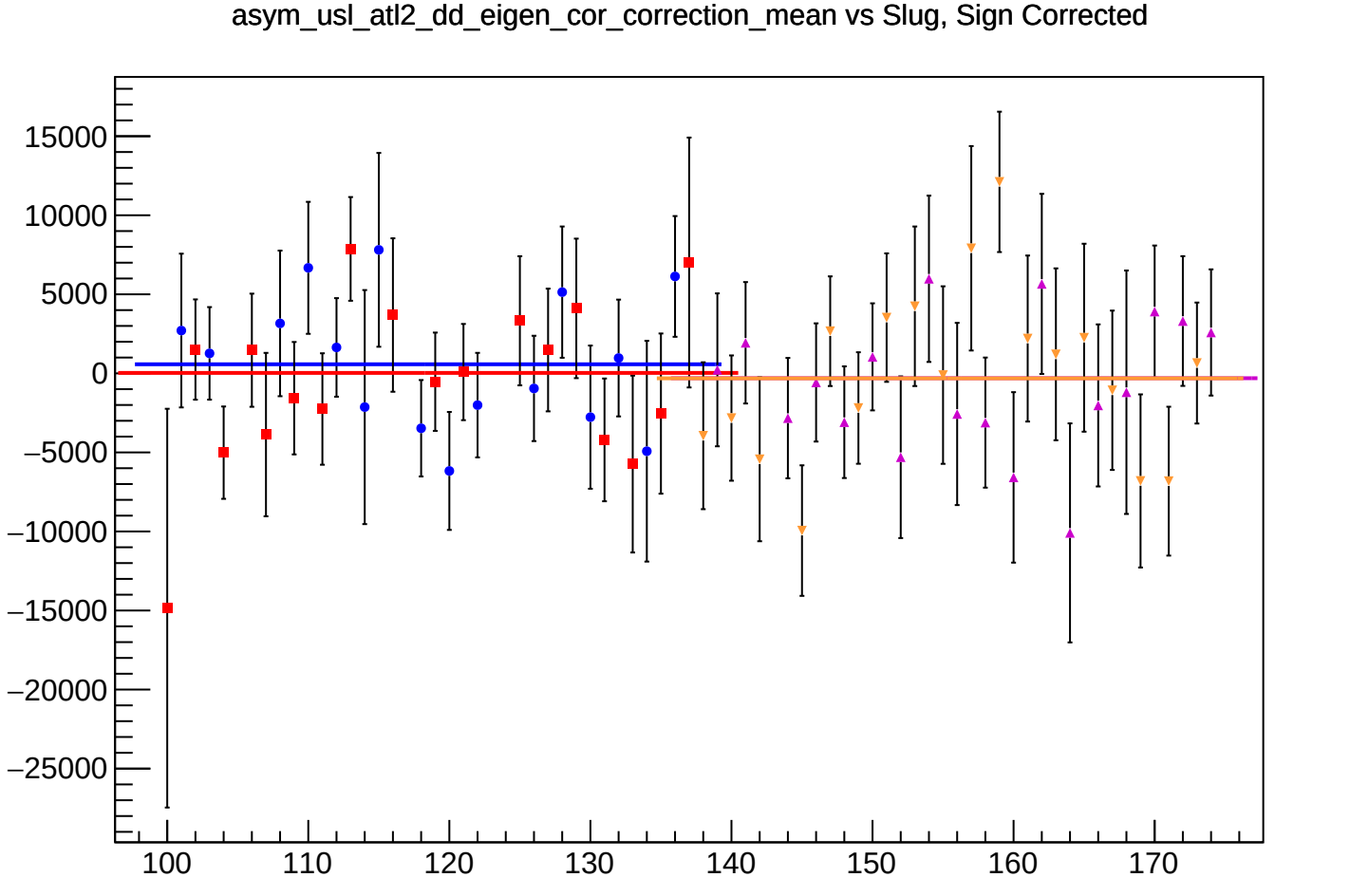
Left: 1157.546+/-0.152 χ^2/NDF: 383204.6/35

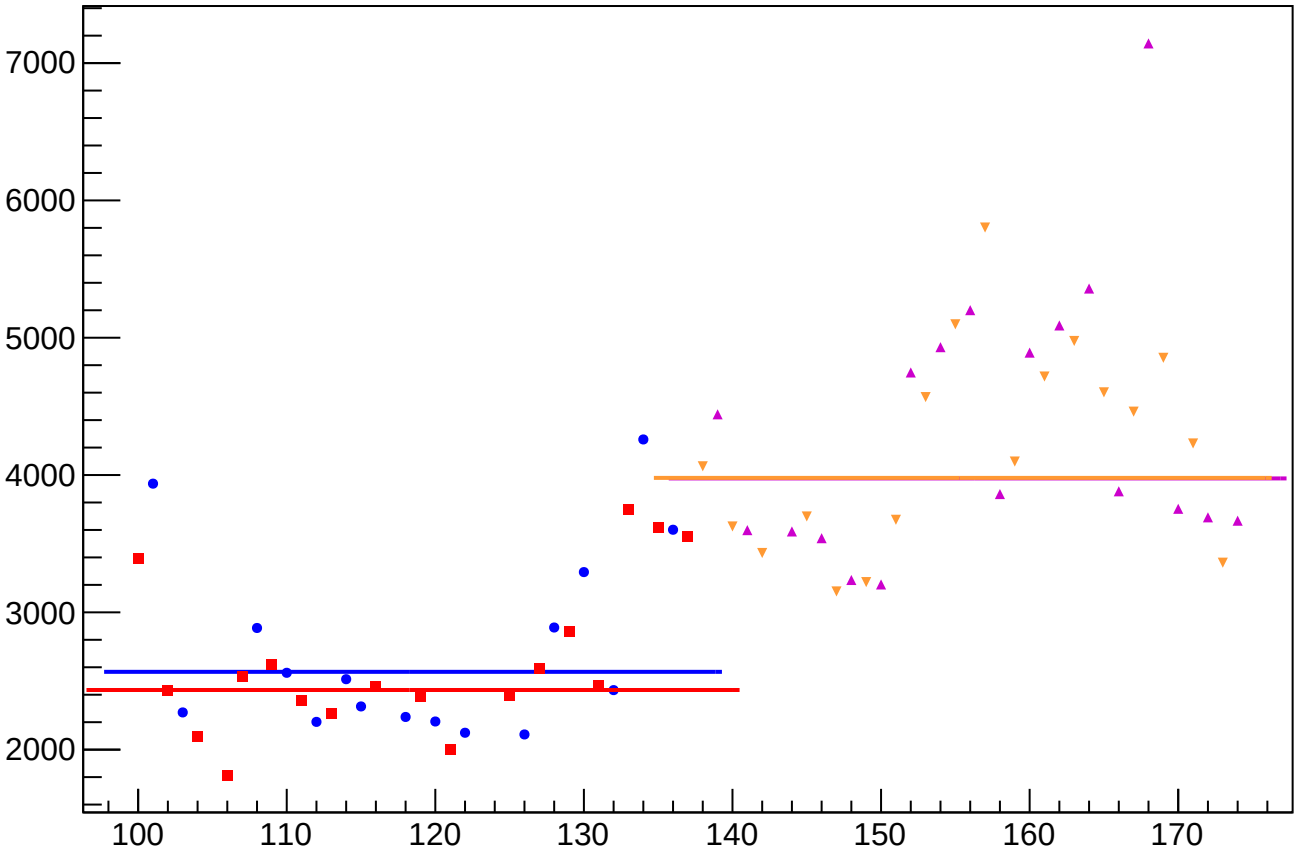
Right: 858.378+/-0.162 χ^2/NDF: 683885.4/33

In: 1021.342+/-0.156 χ^2/NDF:1476492.8/33

Out: 1012.278+/-0.157 χ^2/NDF:1404699.1/35

All: 1016.835+/-0.111 χ^2/NDF: 2882864.5/69


asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: 574.964+/-979.856 χ²/NDF: 14.7/15
Left Out: -314.183+/-1078.164 χ²/NDF:23.5/17
Right Out: 28.604+/-922.115 χ²/NDF: 17.2/17
Left In: -306.860+/-1052.566 χ²/NDF:11.5/17
Left: -310.434+/-753.164 χ²/NDF: 35.0/35
Right: 285.212+/-671.519 χ²/NDF: 32.1/33
In: 165.559+/-717.191 χ²/NDF:26.5/33
Out: -116.209+/-700.772 χ²/NDF:40.8/35
All: 21.412+/-501.225 χ²/NDF: 67.4/69



Right In: 2566.732+/-0.693 χ^2/NDF: 665871.6/15

Left Out: 3979.162+/-0.762 χ^2/NDF:788763.8/17

Right Out: 2434.430+/-0.652 χ^2/NDF: 434078.9/17

Left In: 3975.308+/-0.744 χ^2/NDF:1061171.1/17

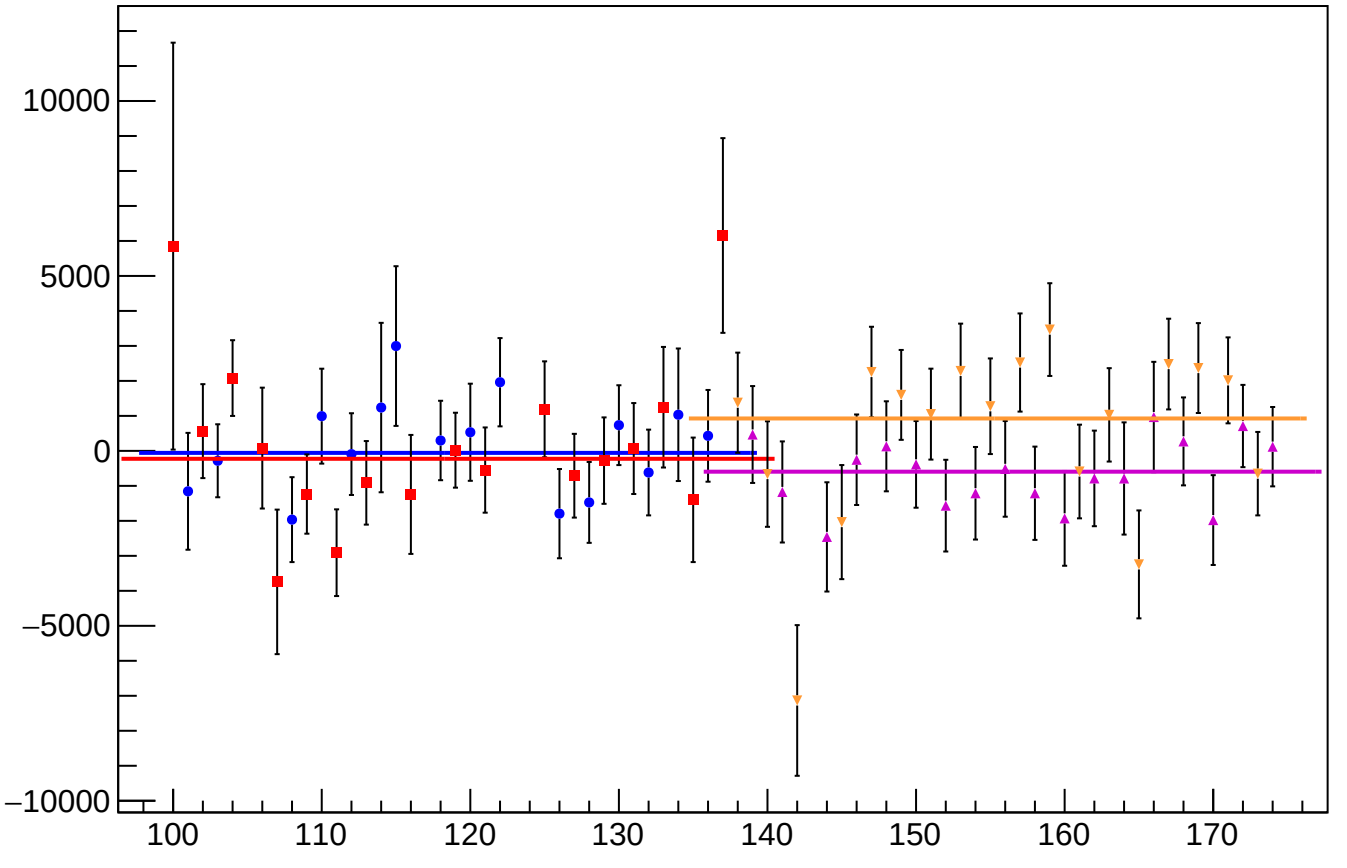
Left: 3977.189+/-0.533 χ^2/NDF: 1849948.0/35

Right: 2496.568+/-0.475 χ^2/NDF: 1119287.3/33

In: 3220.693+/-0.507 χ^2/NDF:3645877.3/33

Out: 3087.015+/-0.496 χ^2/NDF:3593944.1/35

All: 3152.306+/-0.354 χ^2/NDF: 7275367.6/69



Right In: -57.208+/-330.088 χ^2/NDF: 13.0/15

Left Out: 926.307+/-323.084 χ^2/NDF:39.7/17

Right Out: -226.075+/-328.069 χ^2/NDF: 22.9/17

Left In: -594.625+/-314.212 χ^2/NDF:8.8/17

Left: 144.672+/-225.252 χ^2/NDF: 59.9/35

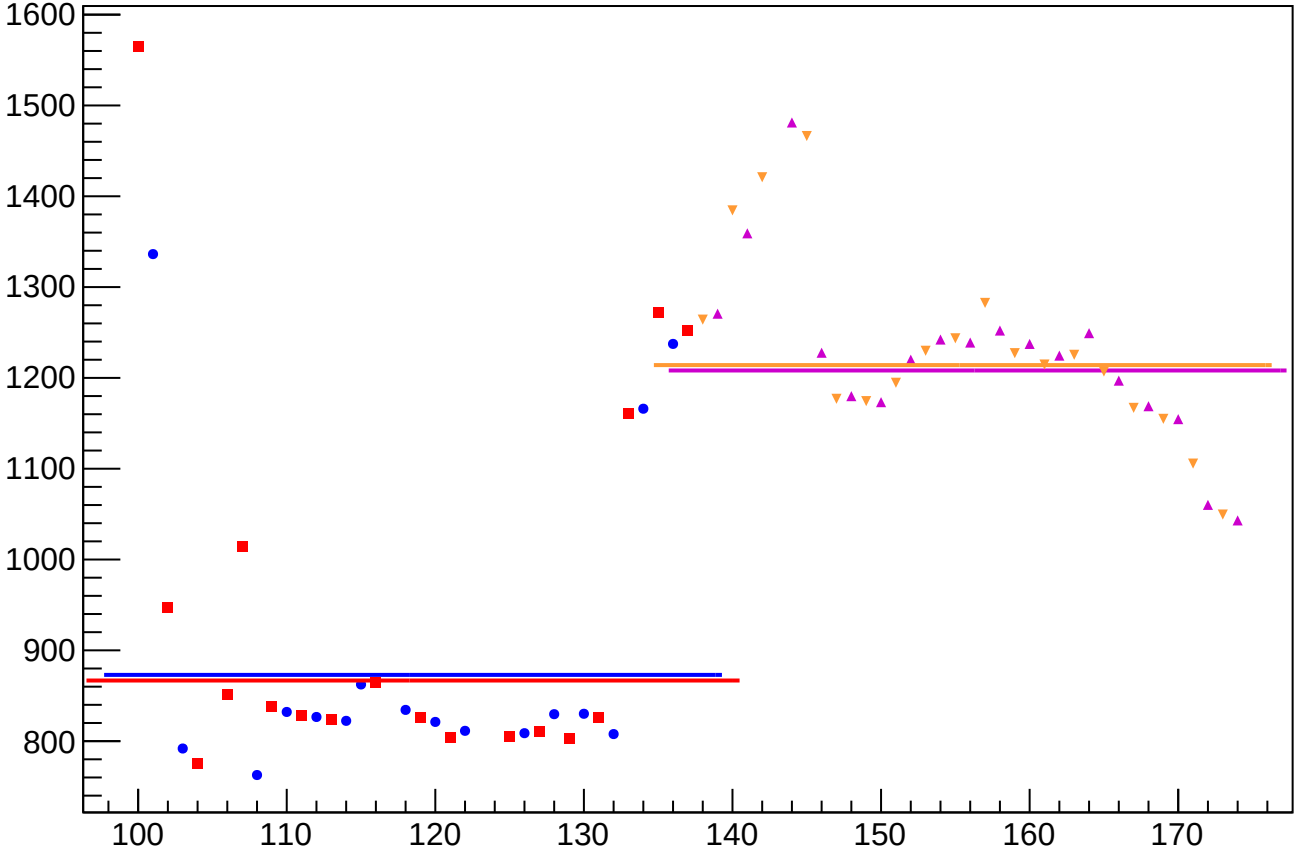
Right: -142.159+/-232.690 χ^2/NDF: 36.0/33

In: -339.151+/-227.587 χ^2/NDF:23.2/33

Out: 358.938+/-230.197 χ^2/NDF:68.9/35

All: 5.914+/-161.843 χ^2/NDF: 96.8/69

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 872.971+/-0.233 χ^2/NDF: 417099.2/15

Left Out: 1214.105+/-0.228 χ^2/NDF:165196.5/17

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.4/17

Left In: 1208.164+/-0.222 χ^2/NDF:176945.0/17

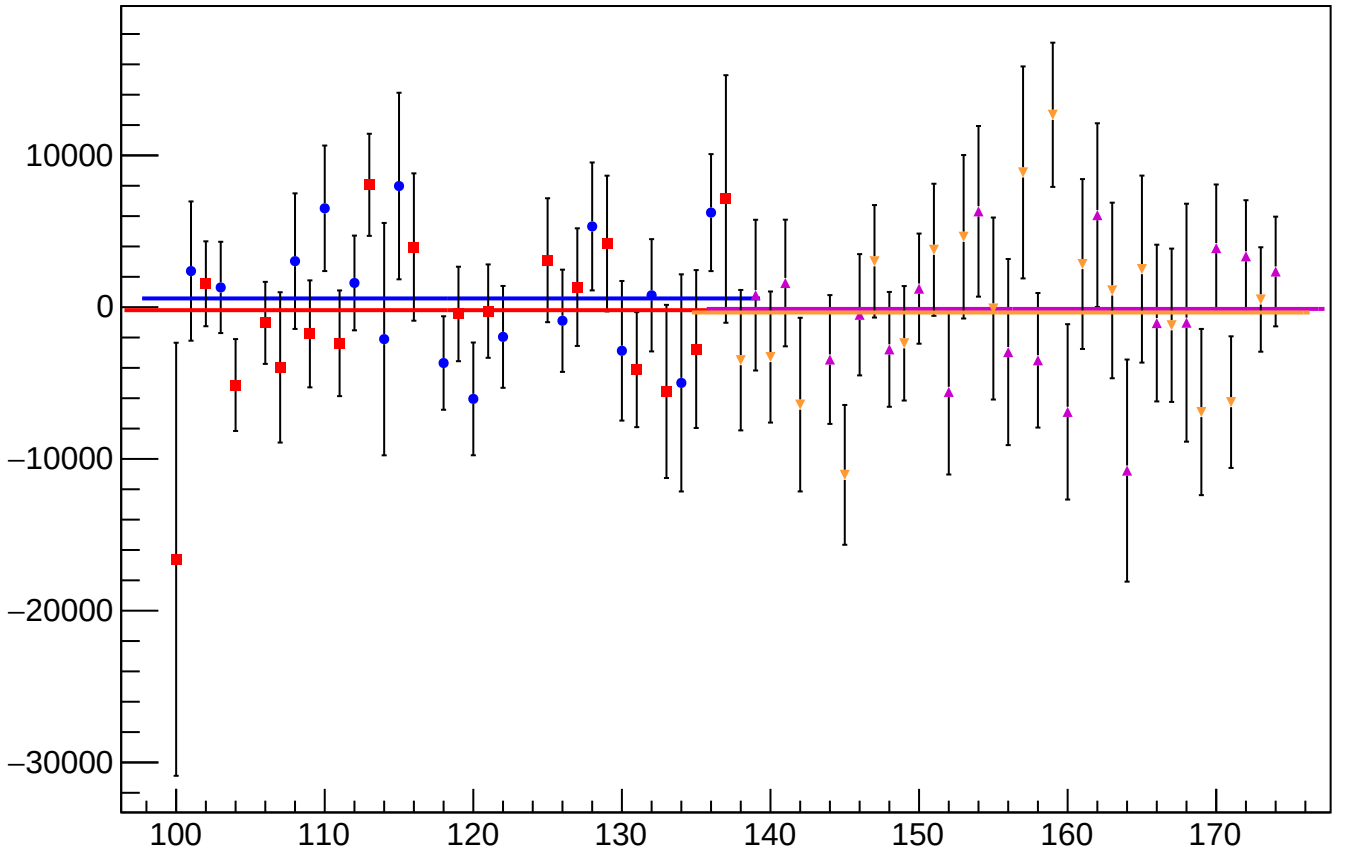
Left: 1211.052+/-0.159 χ^2/NDF: 342489.2/35

Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.822+/-0.161 χ^2/NDF:1675998.4/33

Out: 1042.926+/-0.163 χ^2/NDF:1594778.3/35

All: 1045.906+/-0.114 χ^2/NDF: 3271440.6/69



Right In: 575.271+/-984.888 χ^2/NDF: 14.7/15

Left Out: -350.658+/-1118.532 χ^2/NDF:23.6/17

Right Out: -197.953+/-894.121 χ^2/NDF: 17.2/17

Left In: -115.271+/-1090.319 χ^2/NDF:11.4/17

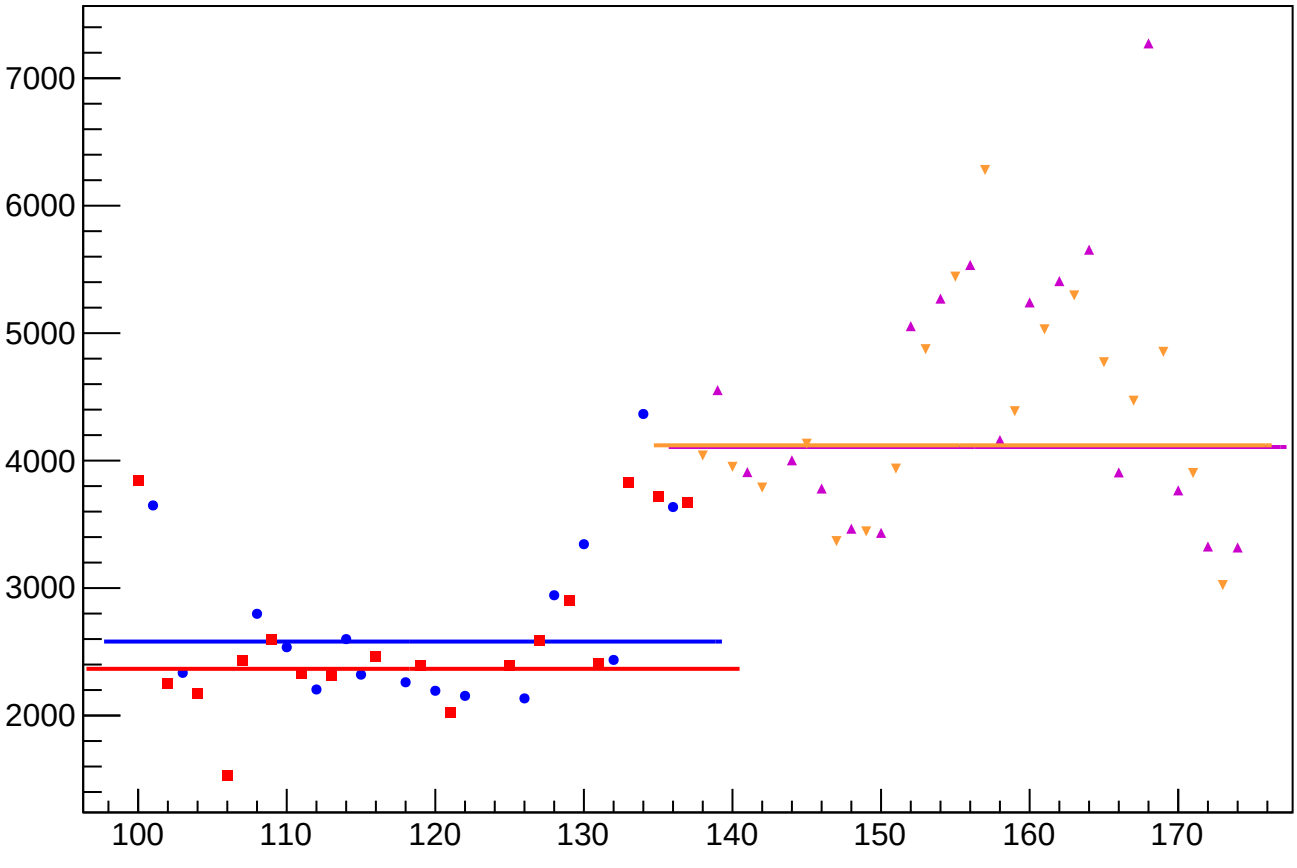
Left: -229.958+/-780.756 χ^2/NDF: 35.0/35

Right: 151.395+/-662.008 χ^2/NDF: 32.2/33

In: 264.993+/-730.860 χ^2/NDF:26.3/33

Out: -257.488+/-698.406 χ^2/NDF:40.7/35

All: -8.106+/-504.931 χ^2/NDF: 67.3/69



Right In: 2580.377+/-0.696 χ^2/NDF: 617156.1/15

Left Out: 4120.015+/-0.791 χ^2/NDF:906036.2/17

Right Out: 2366.412+/-0.632 χ^2/NDF: 611695.1/17

Left In: 4106.626+/-0.771 χ^2/NDF:1202350.3/17

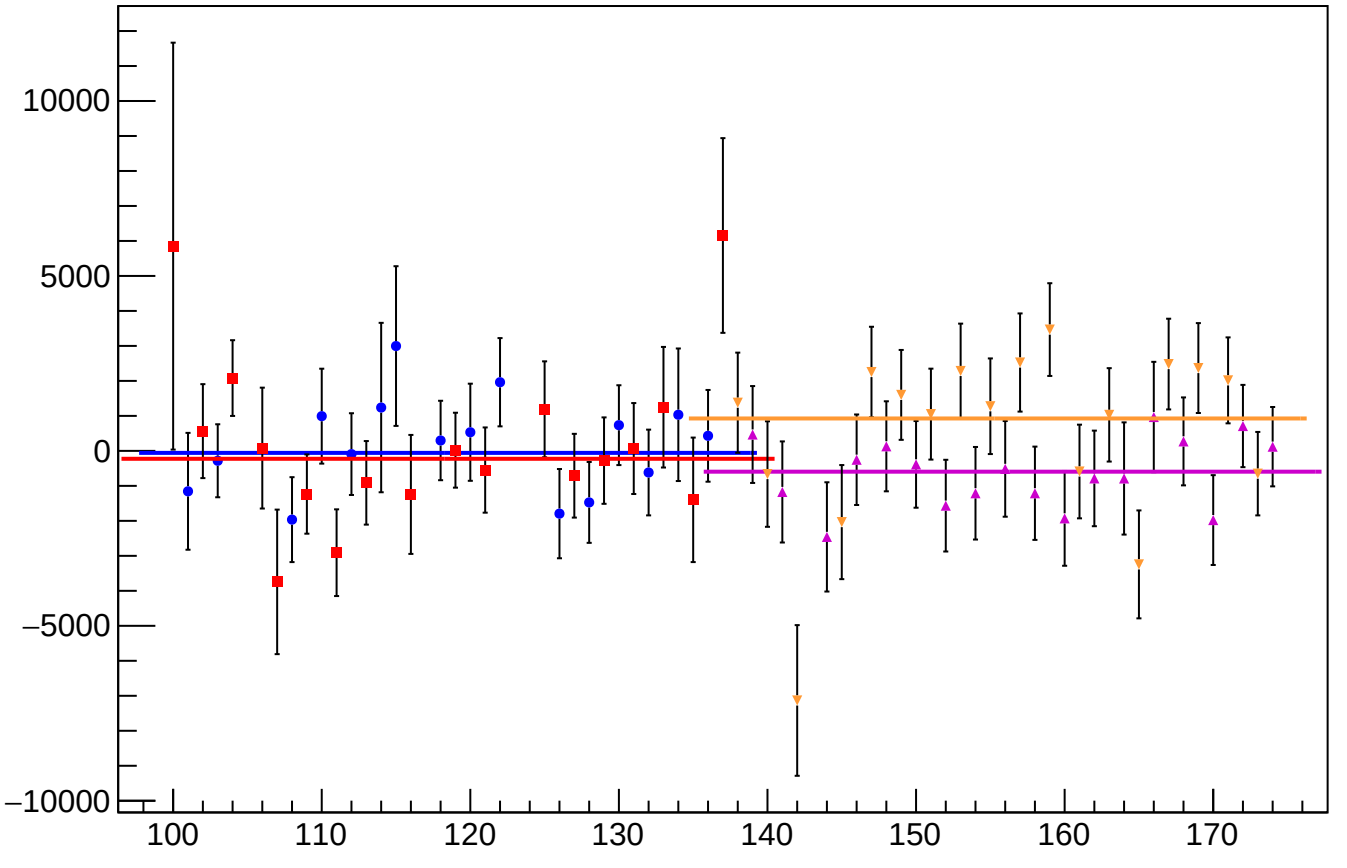
Left: 4113.149+/-0.552 χ^2/NDF: 2108533.5/35

Right: 2463.083+/-0.468 χ^2/NDF: 1280596.8/33

In: 3266.160+/-0.517 χ^2/NDF:3977590.6/33

Out: 3050.088+/-0.494 χ^2/NDF:4517021.0/35

All: 3153.220+/-0.357 χ^2/NDF: 8585982.5/69



Right In: -57.211+/-330.088 χ^2/NDF: 13.0/15

Left Out: 926.306+/-323.084 χ^2/NDF:39.7/17

Right Out: -226.078+/-328.069 χ^2/NDF: 22.9/17

Left In: -594.622+/-314.212 χ^2/NDF:8.8/17

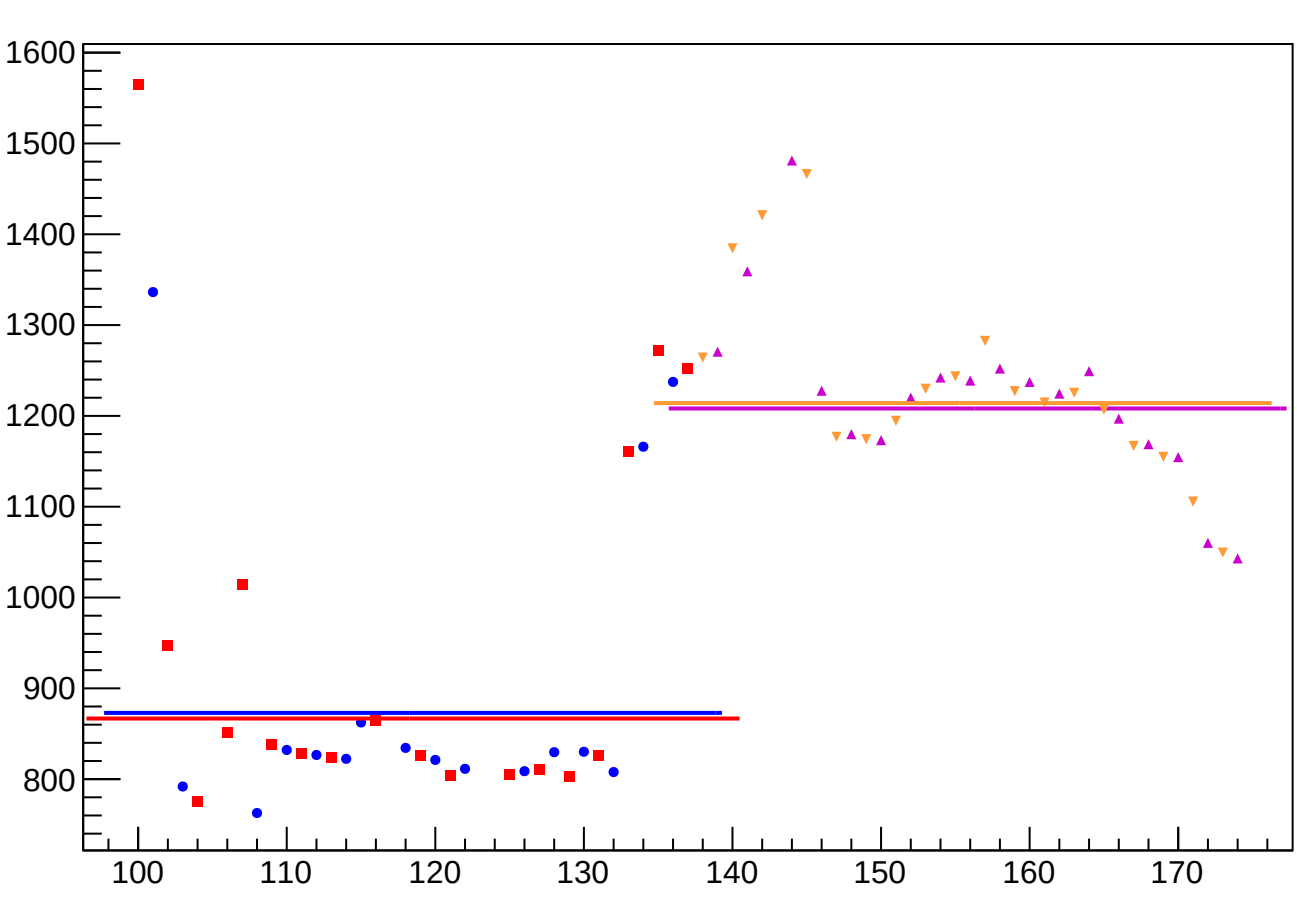
Left: 144.673+/-225.252 χ^2/NDF: 59.9/35

Right: -142.162+/-232.690 χ^2/NDF: 36.0/33

In: -339.151+/-227.587 χ^2/NDF:23.2/33

Out: 358.936+/-230.197 χ^2/NDF:68.9/35

All: 5.912+/-161.843 χ^2/NDF: 96.8/69



Right In: 872.972+/-0.233 χ^2/NDF: 417098.9/15

Left Out: 1214.105+/-0.228 χ^2/NDF:165203.7/17

Right Out: 866.772+/-0.232 χ^2/NDF: 290386.6/17

Left In: 1208.164+/-0.222 χ^2/NDF:176951.9/17

Left: 1211.052+/-0.159 χ^2/NDF: 342503.2/35

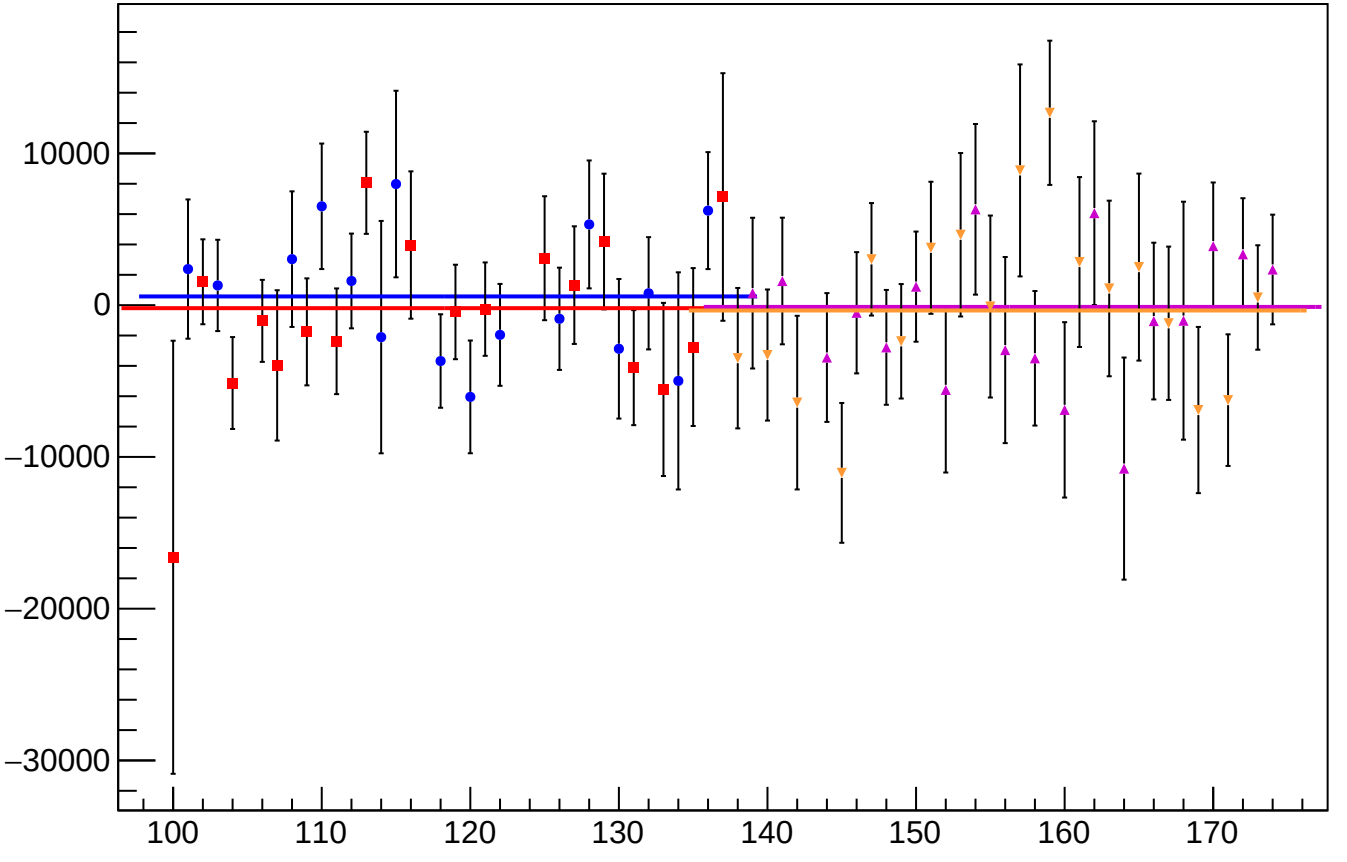
Right: 869.850+/-0.164 χ^2/NDF: 707840.8/33

In: 1048.822+/-0.161 χ^2/NDF:1676005.4/33

Out: 1042.926+/-0.163 χ^2/NDF:1594785.5/35

All: 1045.906+/-0.114 χ^2/NDF: 3271454.8/69

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 575.266+/-984.885 χ^2/NDF: 14.7/15

Left Out: -350.657+/-1118.534 χ^2/NDF:23.6/17

Right Out: -197.955+/-894.119 χ^2/NDF: 17.2/17

Left In: -115.271+/-1090.320 χ^2/NDF:11.4/17

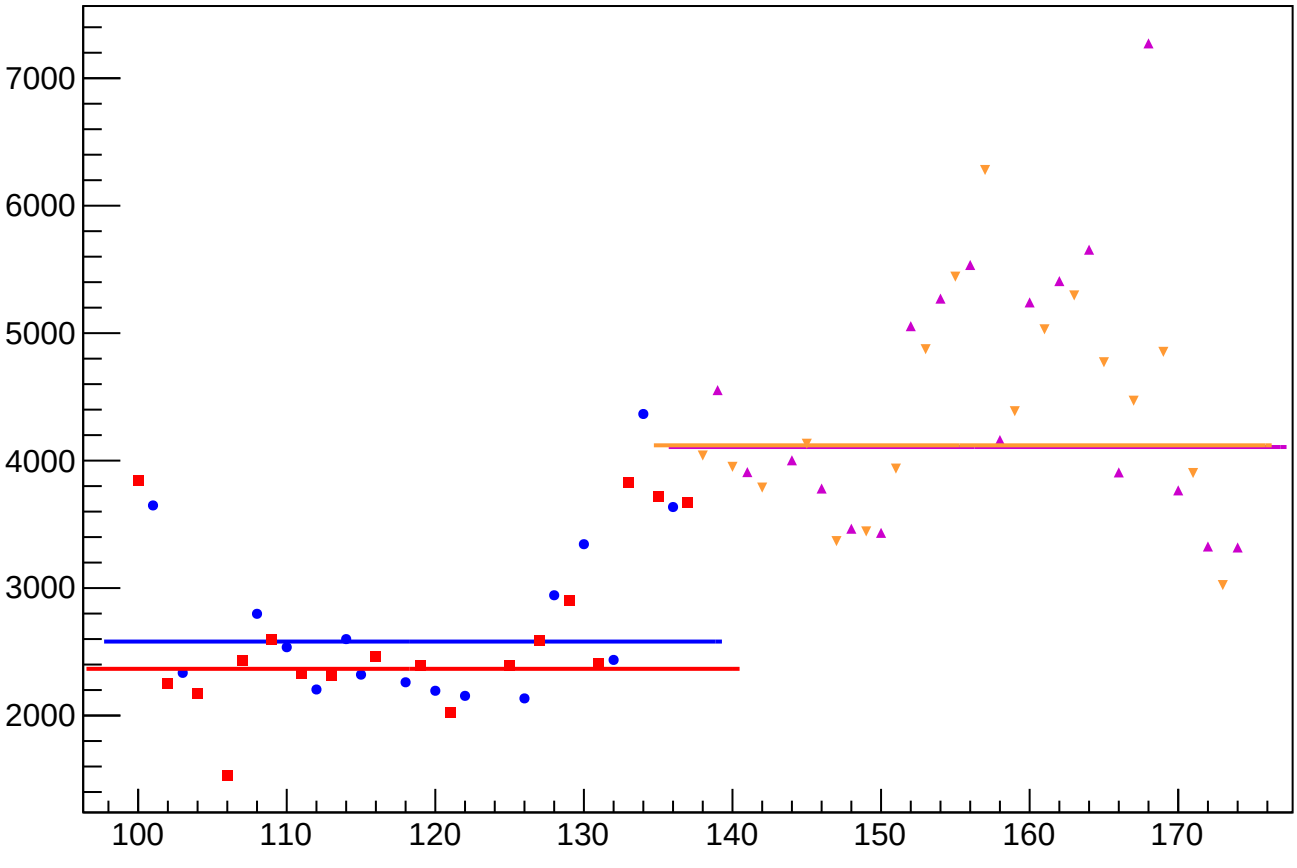
Left: -229.958+/-780.757 χ^2/NDF: 35.0/35

Right: 151.392+/-662.006 χ^2/NDF: 32.2/33

In: 264.992+/-730.859 χ^2/NDF:26.3/33

Out: -257.488+/-698.405 χ^2/NDF:40.7/35

All: -8.106+/-504.931 χ^2/NDF: 67.3/69



Right In: 2580.368+/-0.696 χ^2/NDF: 617163.3/15

Left Out: 4120.023+/-0.791 χ^2/NDF:906034.3/17

Right Out: 2366.405+/-0.632 χ^2/NDF: 611698.8/17

Left In: 4106.633+/-0.771 χ^2/NDF:1202350.0/17

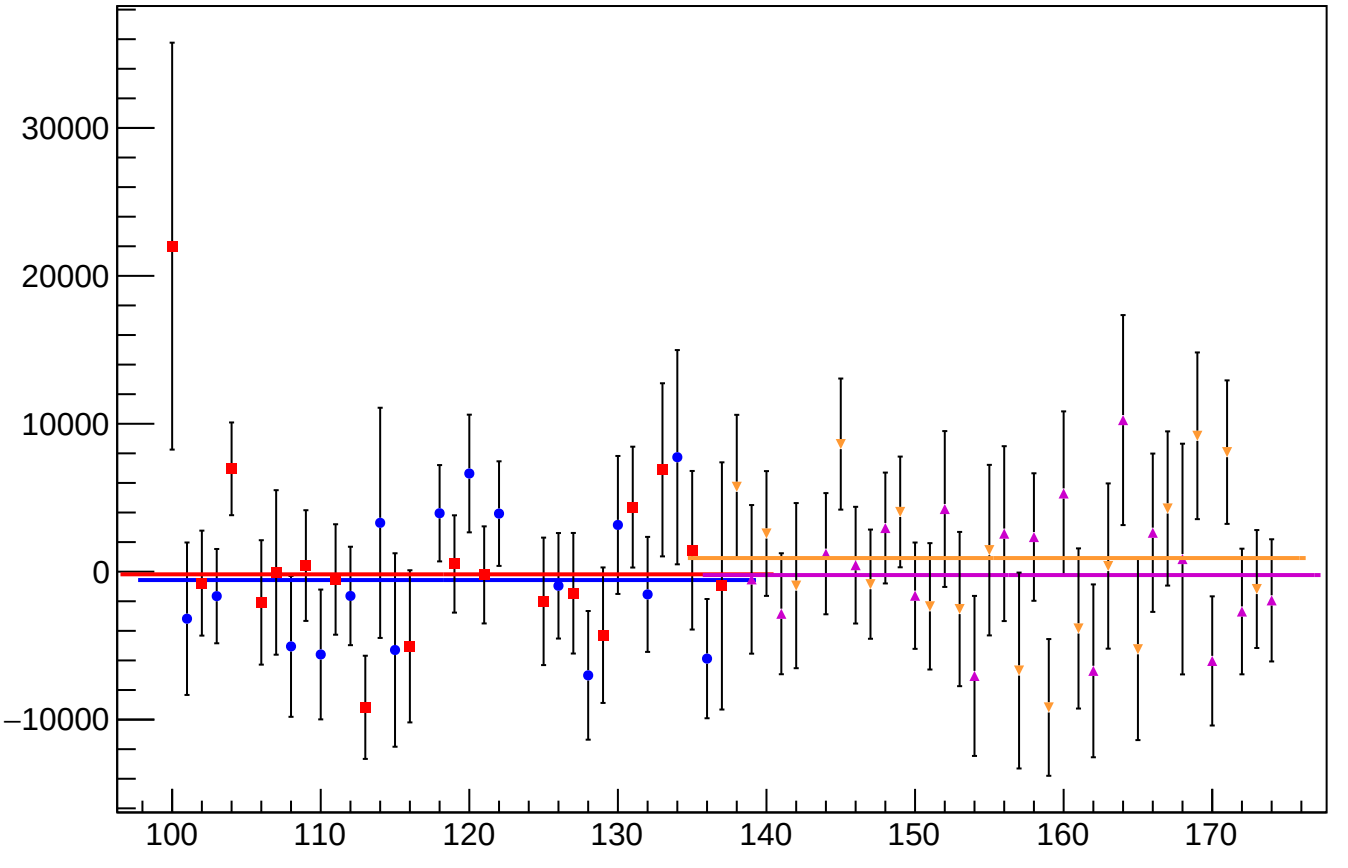
Left: 4113.157+/-0.552 χ^2/NDF: 2108531.2/35

Right: 2463.075+/-0.468 χ^2/NDF: 1280607.2/33

In: 3266.155+/-0.517 χ^2/NDF:3977642.9/33

Out: 3050.083+/-0.494 χ^2/NDF:4517072.8/35

All: 3153.215+/-0.357 χ^2/NDF: 8586086.7/69



Right In: -566.096+/-1040.314 χ^2/NDF: 16.2/15

Left Out: 921.051+/-1129.516 χ^2/NDF:19.1/17

Right Out: -178.586+/-988.392 χ^2/NDF: 19.5/17

Left In: -228.539+/-1101.675 χ^2/NDF:11.3/17

Left: 331.913+/-788.661 χ^2/NDF: 31.0/35

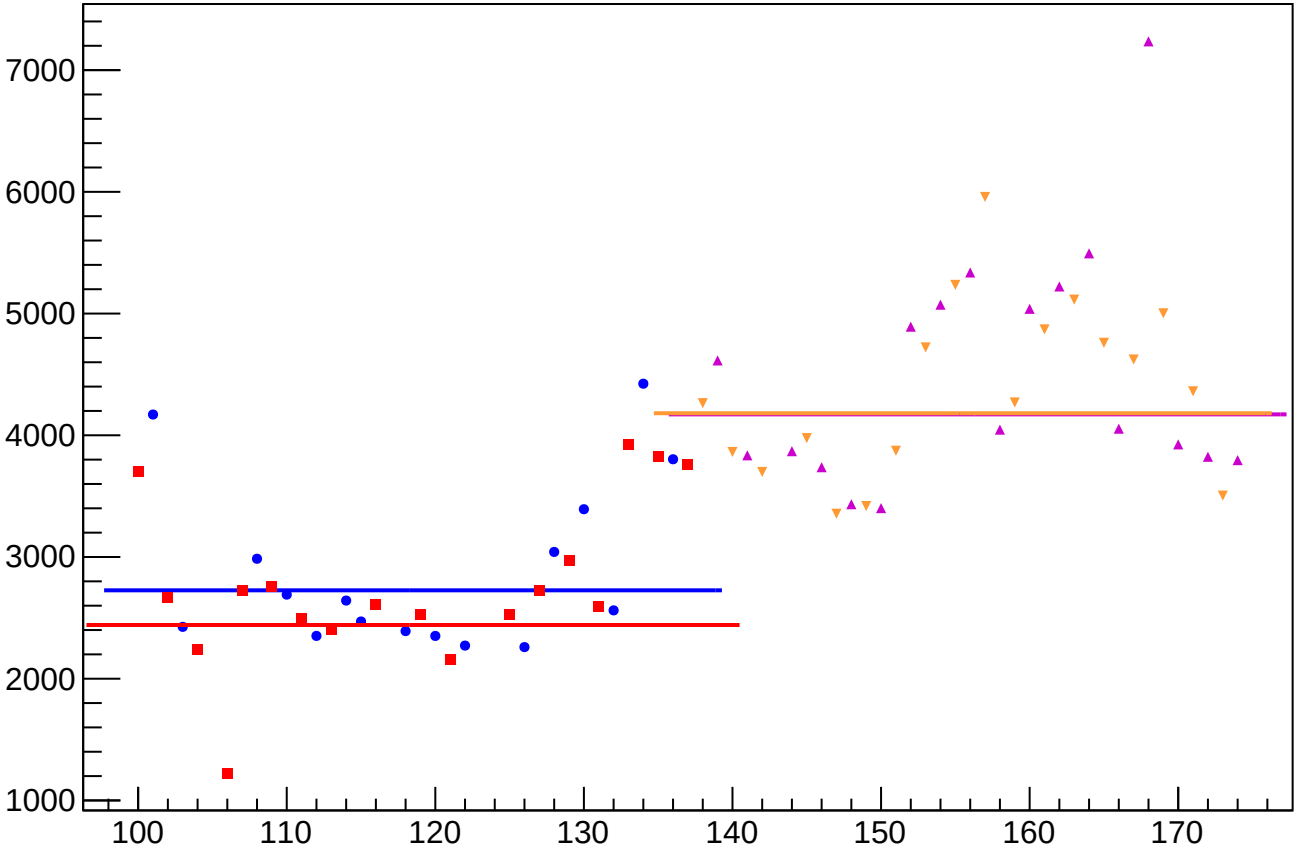
Right: -362.430+/-716.551 χ^2/NDF: 35.8/33

In: -406.980+/-756.376 χ^2/NDF:27.6/33

Out: 298.283+/-743.820 χ^2/NDF:39.2/35

All: -48.446+/-530.343 χ^2/NDF: 67.2/69

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 2726.231+/-0.736 χ^2/NDF: 623079.8/15

Left Out: 4181.130+/-0.799 χ^2/NDF:680920.6/17

Right Out: 2441.363+/-0.667 χ^2/NDF: 891132.7/17

Left In: 4171.777+/-0.779 χ^2/NDF:935158.6/17

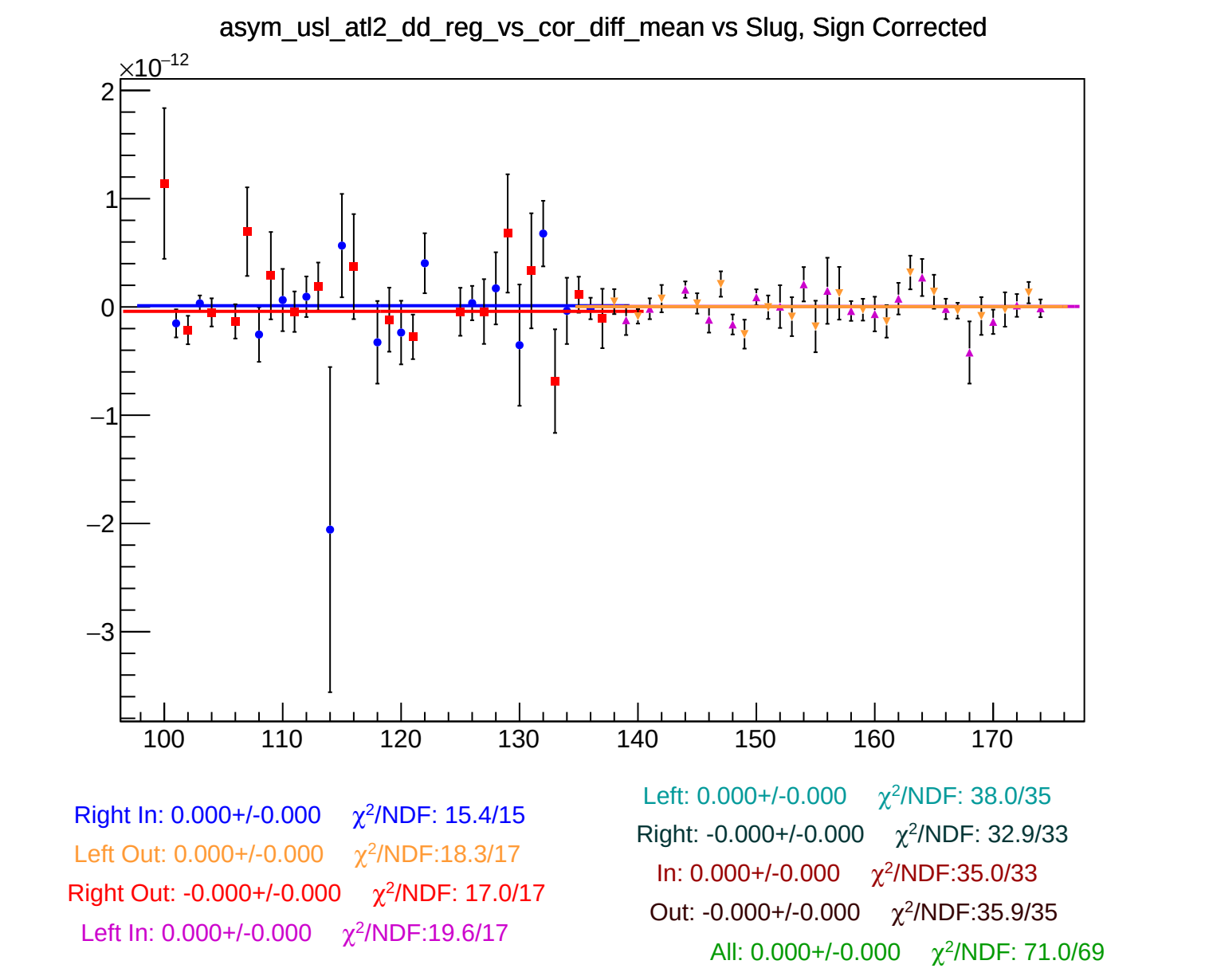
Left: 4176.337+/-0.558 χ^2/NDF: 1616149.5/35

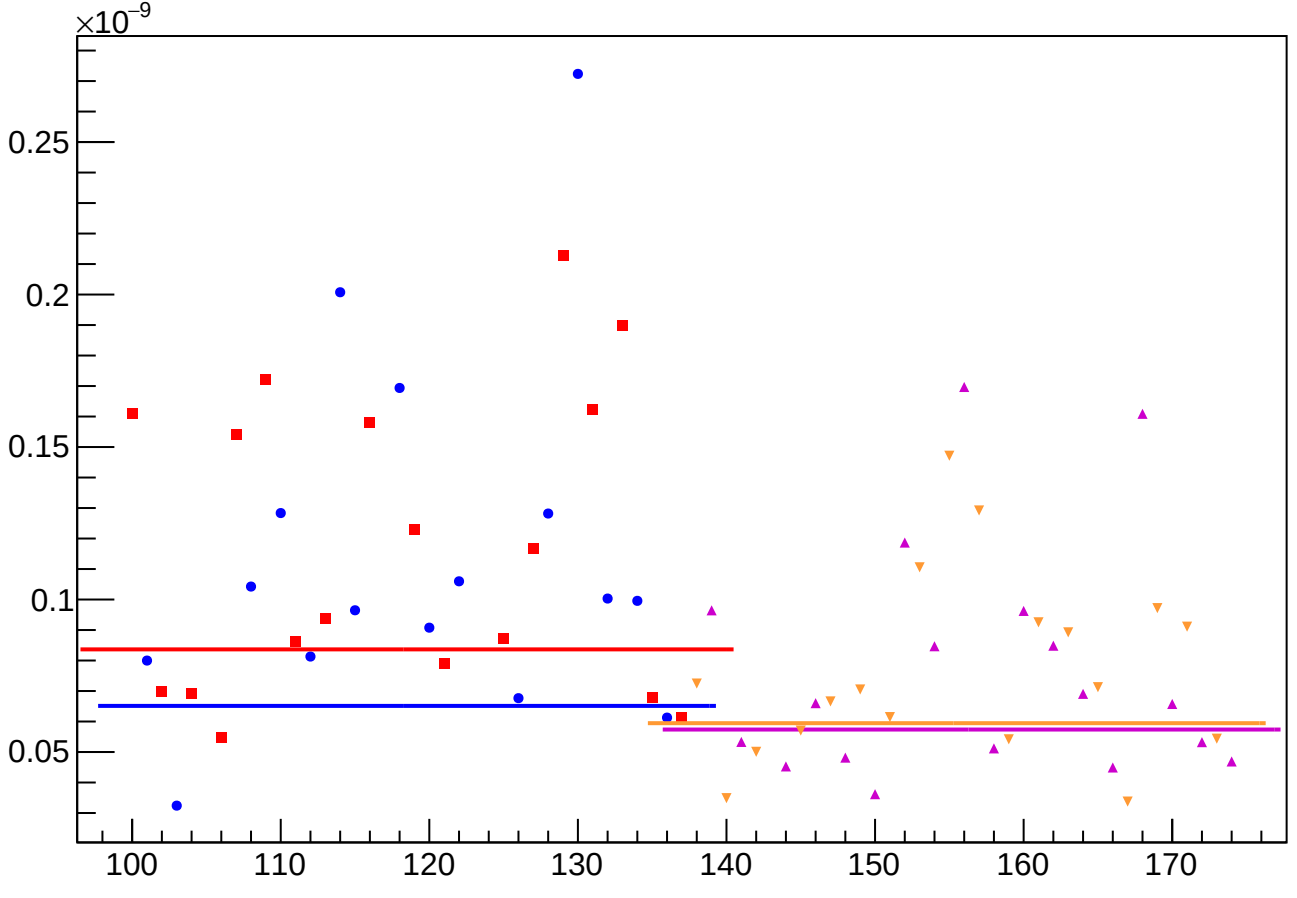
Right: 2569.883+/-0.494 χ^2/NDF: 1596520.0/33

In: 3407.627+/-0.535 χ^2/NDF:3378499.5/33

Out: 3156.110+/-0.512 χ^2/NDF:4367609.6/35

All: 3276.366+/-0.370 χ^2/NDF: 7861523.2/69


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:18.3/17
Right Out: -0.000+/-0.000 χ²/NDF: 17.0/17
Left In: 0.000+/-0.000 χ²/NDF:19.6/17
Left: 0.000+/-0.000 χ²/NDF: 38.0/35
Right: -0.000+/-0.000 χ²/NDF: 32.9/33
In: 0.000+/-0.000 χ²/NDF:35.0/33
Out: -0.000+/-0.000 χ²/NDF:35.9/35
All: 0.000+/-0.000 χ²/NDF: 71.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 1222613.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1542950.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 691494.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1486931.0/17

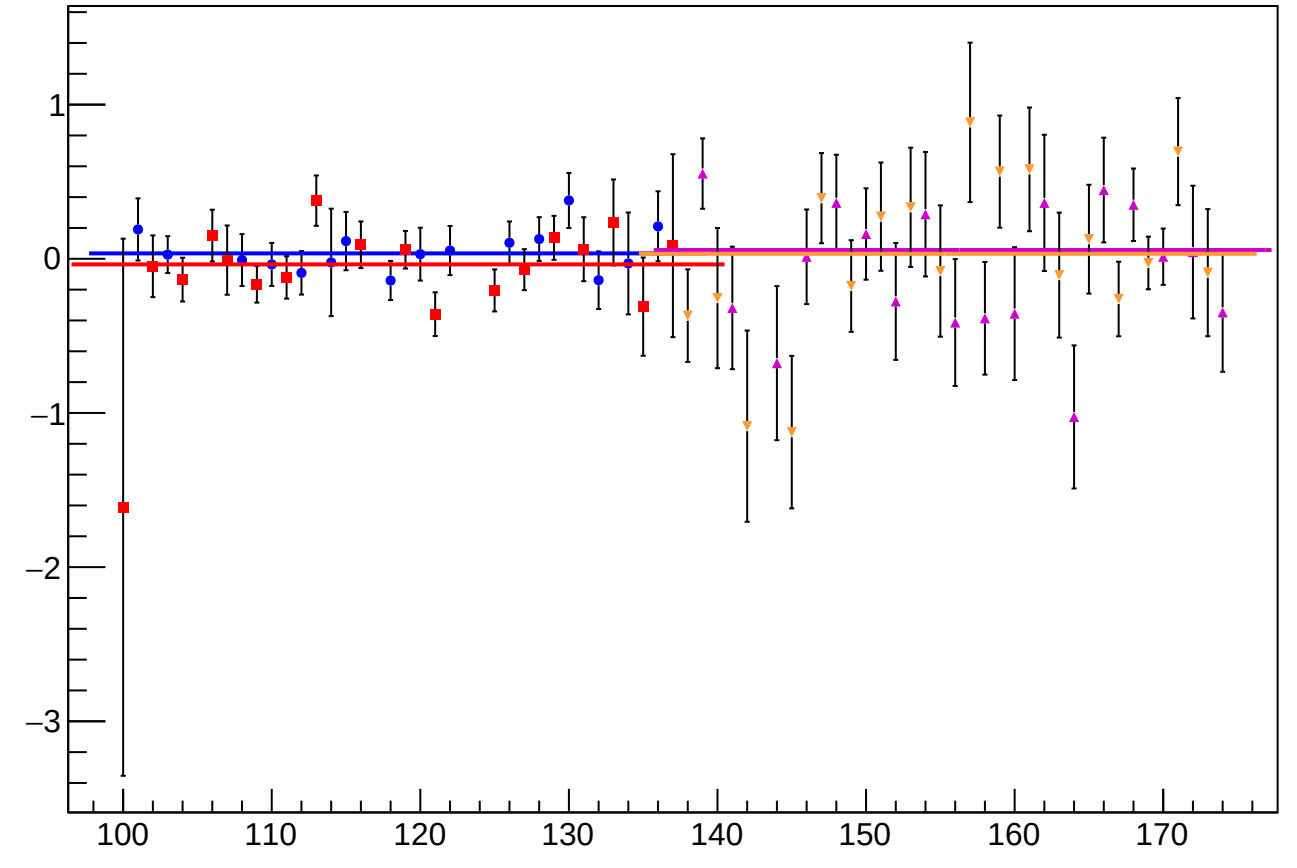
Left: 0.000+/-0.000 χ^2/NDF: 3035987.4/35

Right: 0.000+/-0.000 χ^2/NDF: 2057625.5/33

In: 0.000+/-0.000 χ^2/NDF:2755420.0/33

Out: 0.000+/-0.000 χ^2/NDF:2560832.5/35

All: 0.000+/-0.000 χ^2/NDF: 5363659.8/69



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

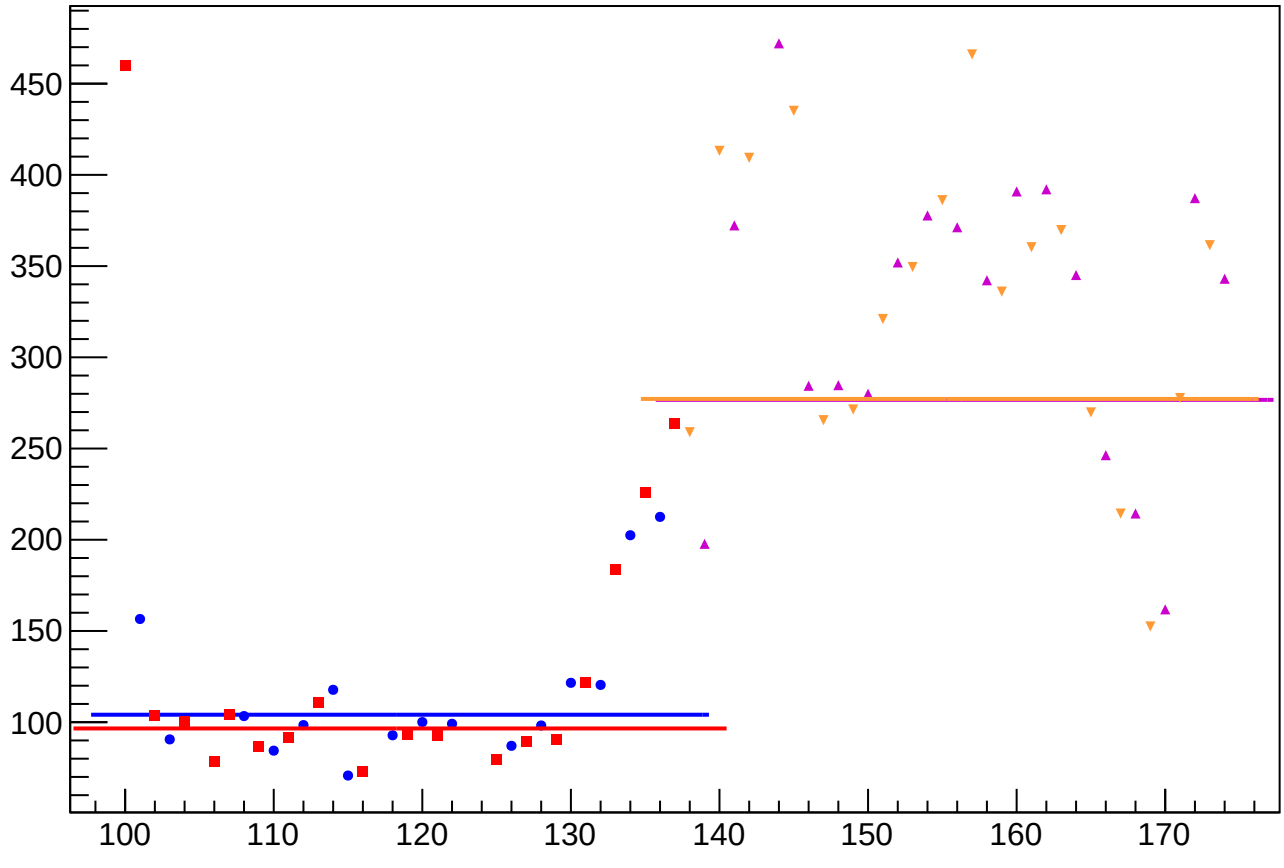
Left: 0.045+/-0.055 χ^2/NDF: 50.0/35

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.007+/-0.025 χ^2/NDF: 84.0/69



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 277.187+/-0.055 χ^2/NDF:2512742.4/17

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

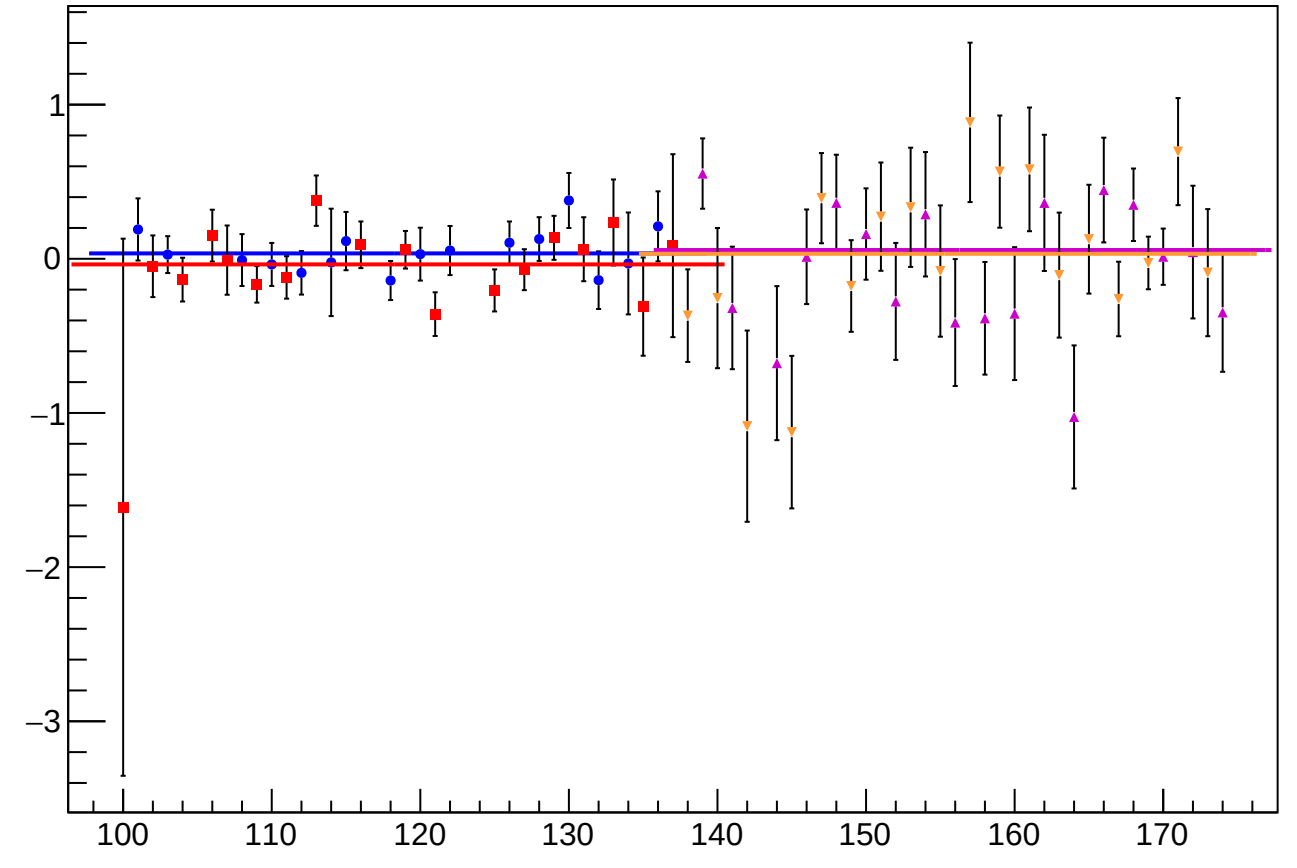
Left: 276.928+/-0.039 χ^2/NDF: 5010982.6/35

Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 142.918+/-0.026 χ^2/NDF:11447034.9/33

Out: 132.330+/-0.025 χ^2/NDF:12005207.7/35

All: 137.432+/-0.018 χ^2/NDF: 23541284.1/69



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

Left: 0.045+/-0.055 χ^2/NDF: 50.0/35

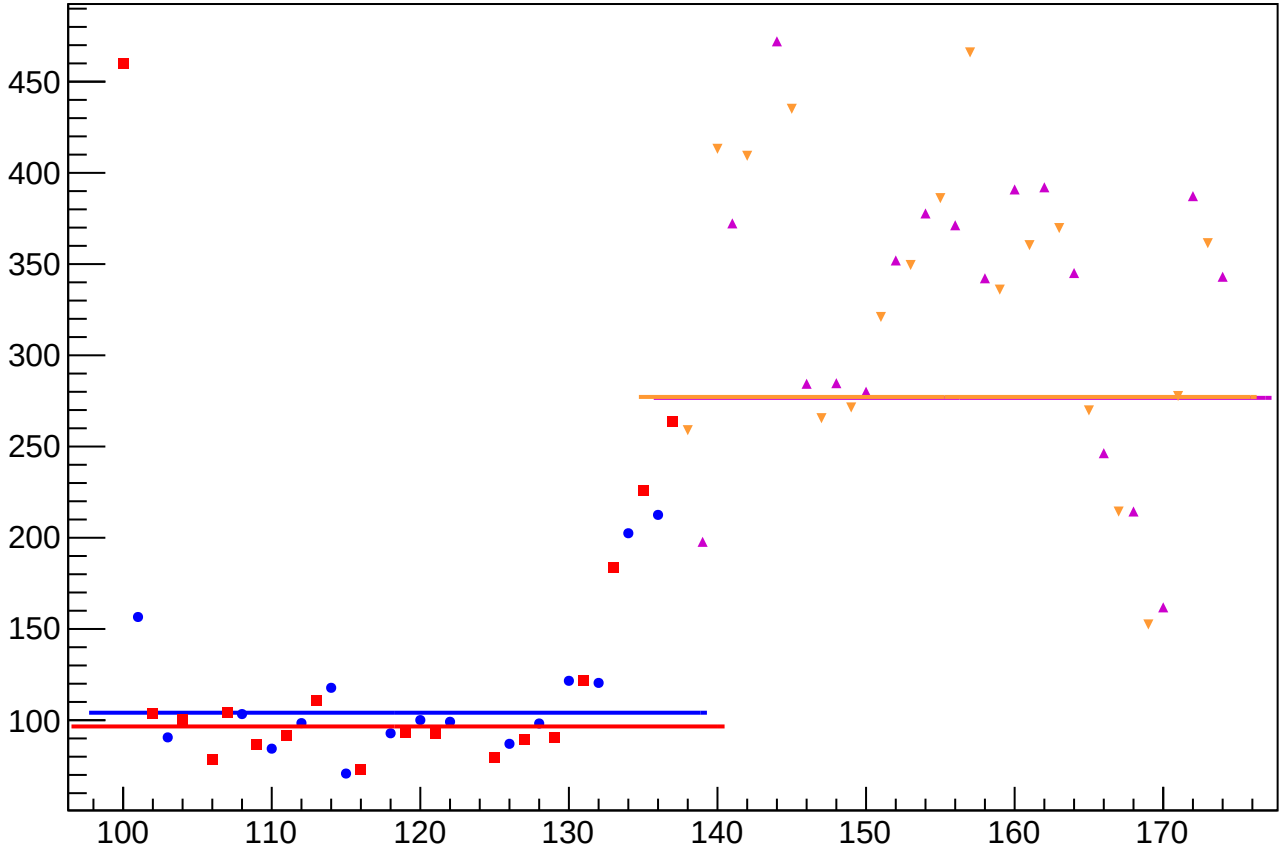
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.007+/-0.025 χ^2/NDF: 84.0/69

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.099+/-0.029 χ^2/NDF: 989856.1/15

Left Out: 277.187+/-0.055 χ^2/NDF:2512742.4/17

Right Out: 96.569+/-0.028 χ^2/NDF: 955547.2/17

Left In: 276.683+/-0.054 χ^2/NDF:2498197.5/17

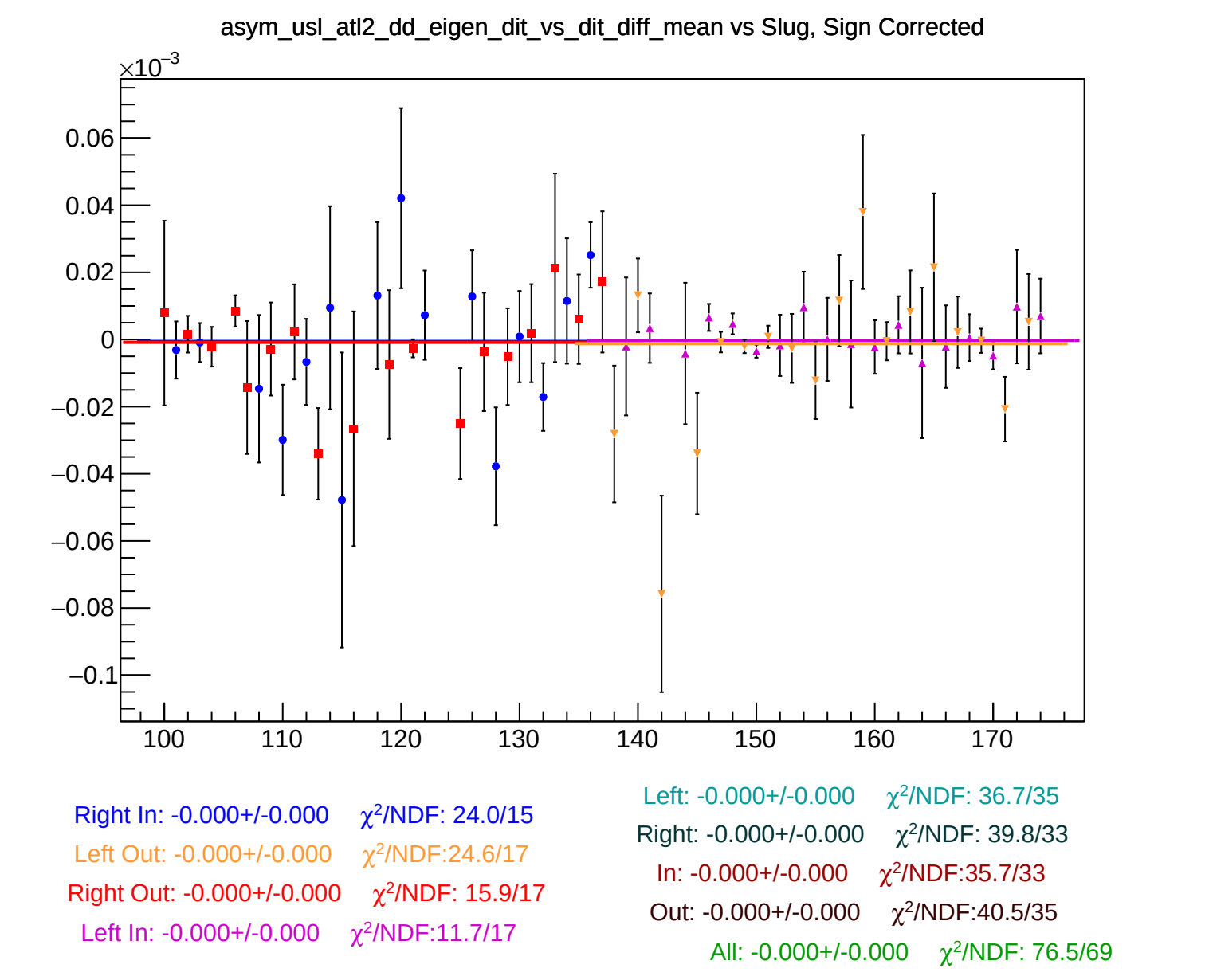
Left: 276.928+/-0.039 χ^2/NDF: 5010982.6/35

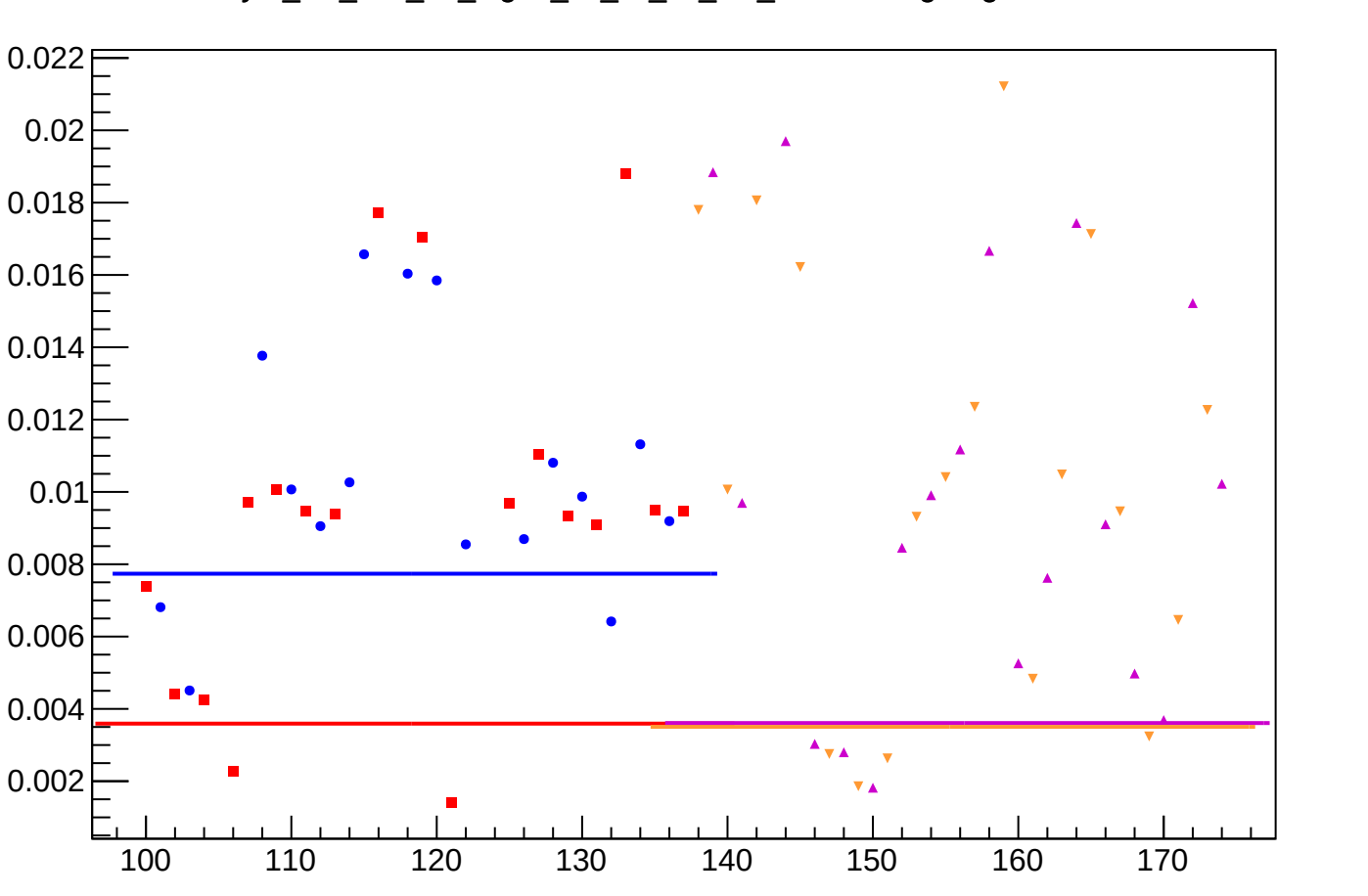
Right: 100.134+/-0.020 χ^2/NDF: 1980876.5/33

In: 142.918+/-0.026 χ^2/NDF:11447034.9/33

Out: 132.330+/-0.025 χ^2/NDF:12005207.7/35

All: 137.432+/-0.018 χ^2/NDF: 23541284.1/69


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:24.6/17
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/17
Left In: -0.000+/-0.000 χ²/NDF:11.7/17
Left: -0.000+/-0.000 χ²/NDF: 36.7/35
Right: -0.000+/-0.000 χ²/NDF: 39.8/33
In: -0.000+/-0.000 χ²/NDF:35.7/33
Out: -0.000+/-0.000 χ²/NDF:40.5/35
All: -0.000+/-0.000 χ²/NDF: 76.5/69



Right In: 0.008+/-0.000 χ^2/NDF: 1701473.5/15

Left Out: 0.004+/-0.000 χ^2/NDF:11238901.8/17

Right Out: 0.004+/-0.000 χ^2/NDF: 6364883.4/17

Left In: 0.004+/-0.000 χ^2/NDF:11262711.6/17

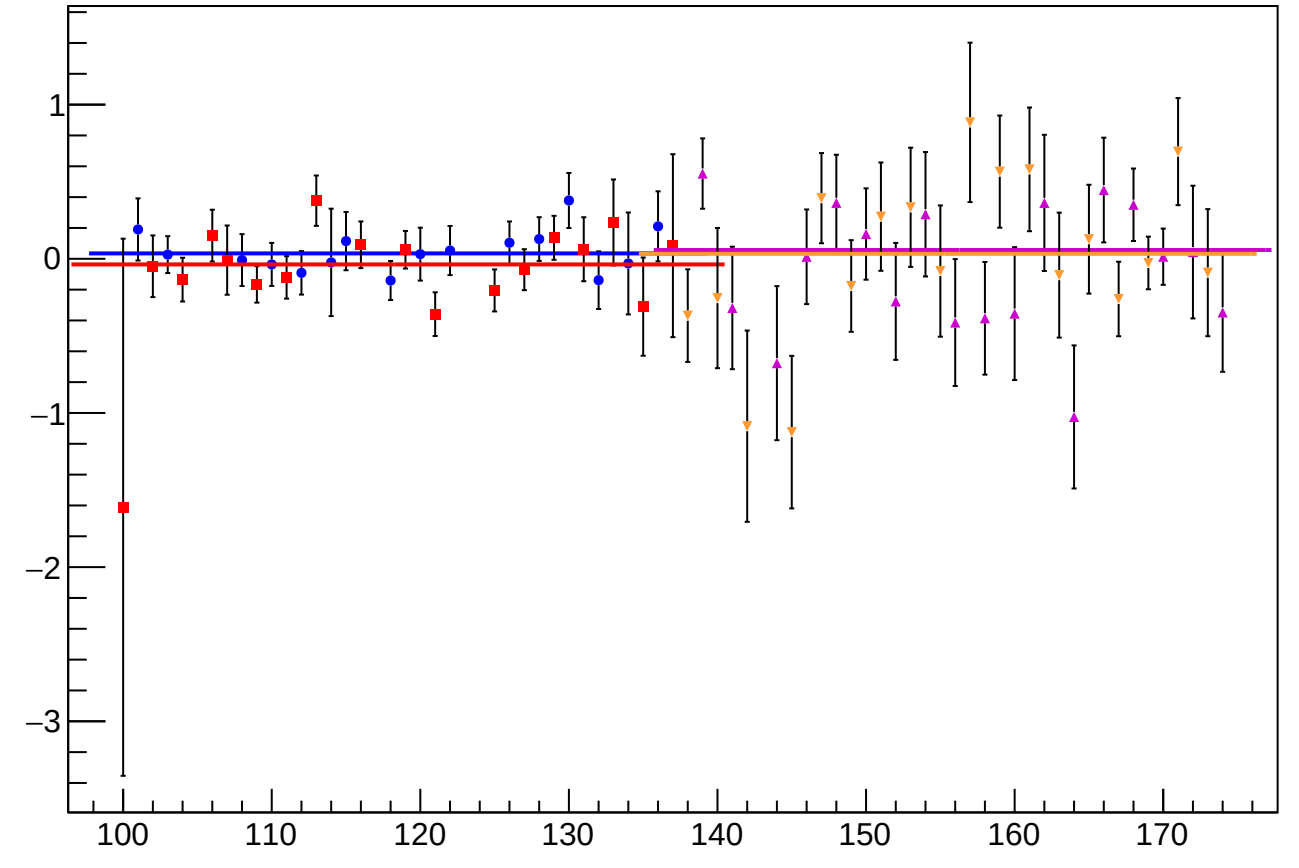
Left: 0.004+/-0.000 χ^2/NDF: 22508425.7/35

Right: 0.005+/-0.000 χ^2/NDF: 10695382.9/33

In: 0.004+/-0.000 χ^2/NDF:15976928.2/33

Out: 0.004+/-0.000 χ^2/NDF:17606998.2/35

All: 0.004+/-0.000 χ^2/NDF: 33948748.7/69



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

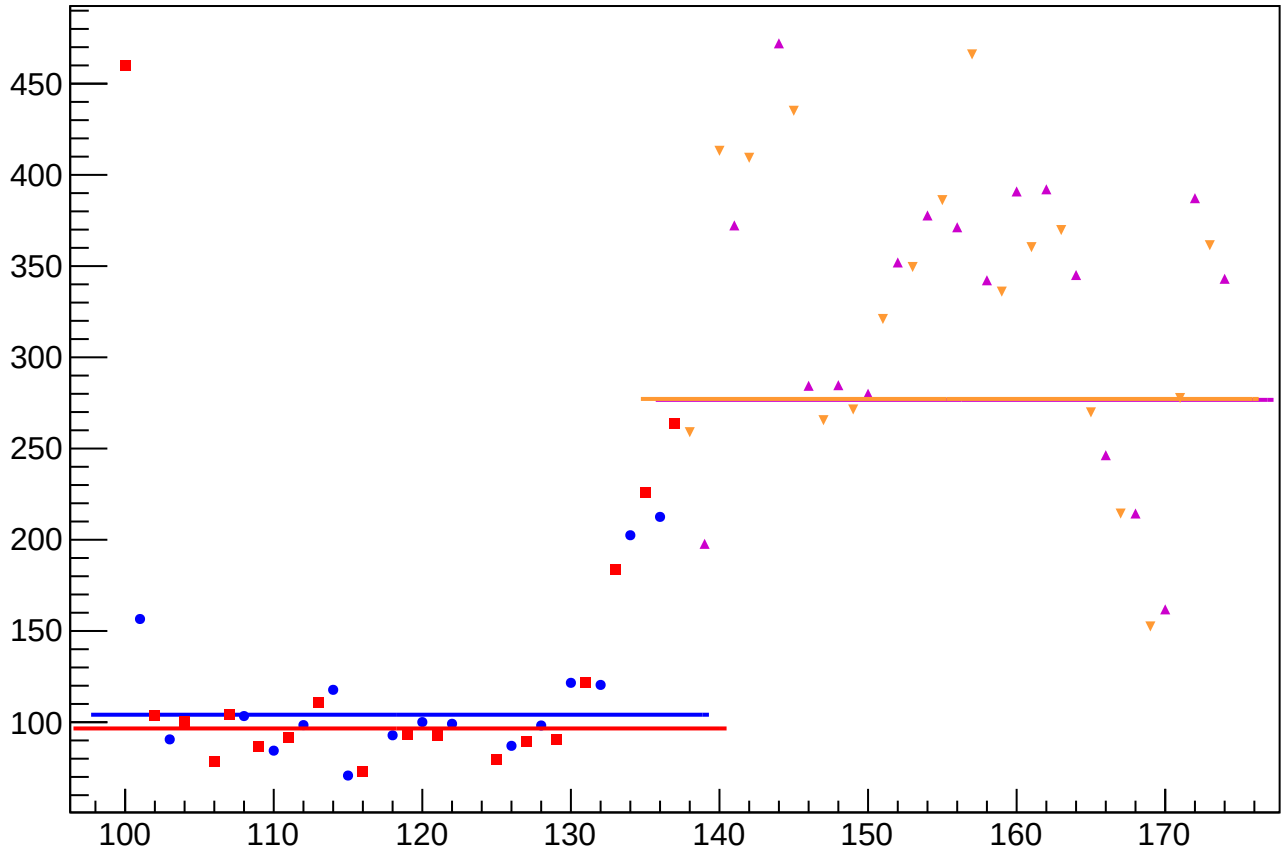
Left: 0.045+/-0.055 χ^2/NDF: 50.0/35

Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.007+/-0.025 χ^2/NDF: 84.0/69


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
450
400
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250
200
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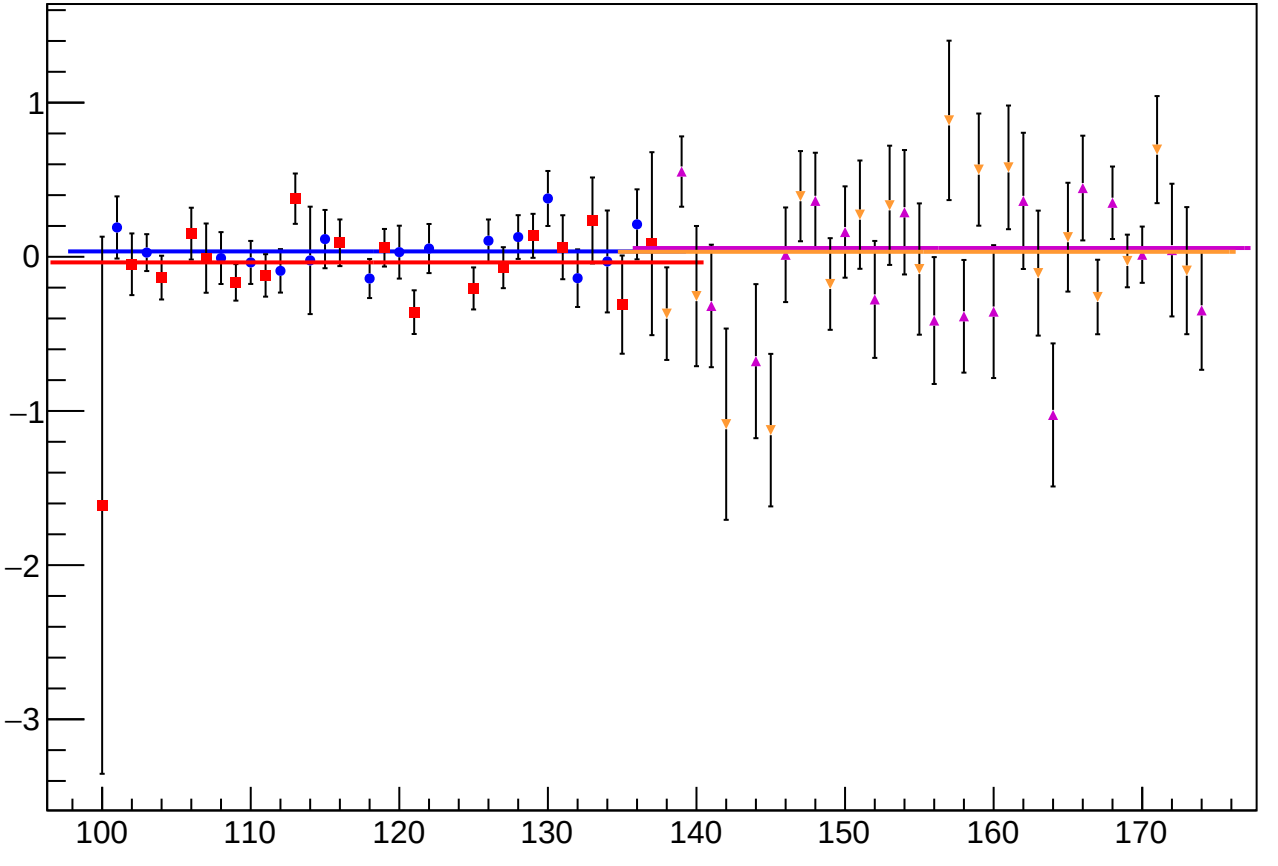
100
100
110
120
130
140
150
160
170
Right In: 104.100+/-0.029 χ²/NDF: 989809.0/15
Left Out: 277.189+/-0.055 χ²/NDF:2512805.7/17
Right Out: 96.570+/-0.028 χ²/NDF: 955477.2/17
Left In: 276.686+/-0.054 χ²/NDF:2498152.4/17
Left: 276.931+/-0.039 χ²/NDF: 5011000.6/35
Right: 100.135+/-0.020 χ²/NDF: 1980754.7/33
In: 142.919+/-0.026 χ²/NDF:11447001.5/33
Out: 132.331+/-0.025 χ²/NDF:12005124.5/35
All: 137.433+/-0.018 χ²/NDF: 23541159.0/69

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.035+/-0.041 χ^2/NDF: 9.8/15

Left Out: 0.032+/-0.078 χ^2/NDF:26.3/17

Right Out: -0.036+/-0.039 χ^2/NDF: 22.0/17

Left In: 0.057+/-0.076 χ^2/NDF:23.6/17

Left: 0.045+/-0.055 χ^2/NDF: 50.0/35

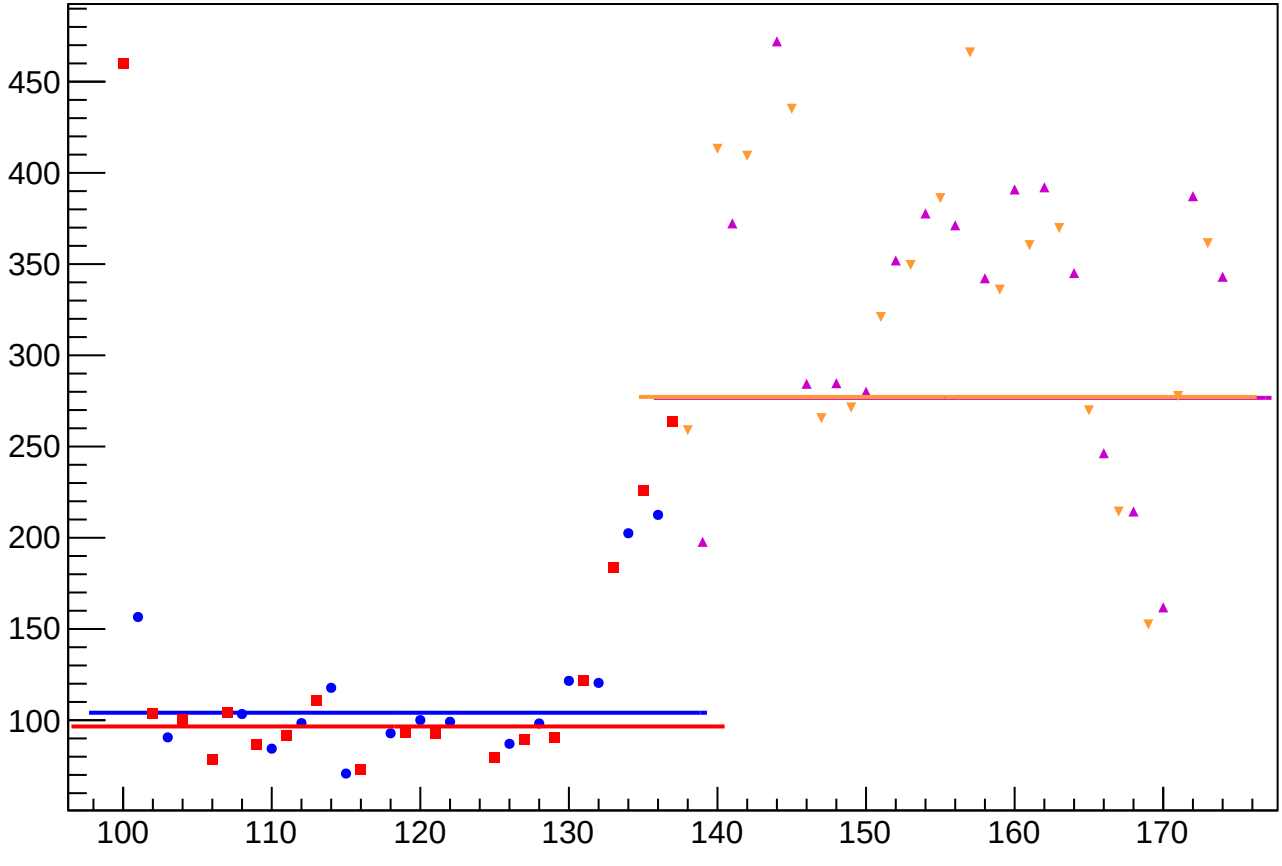
Right: -0.003+/-0.028 χ^2/NDF: 33.4/33

In: 0.040+/-0.036 χ^2/NDF:33.4/33

Out: -0.023+/-0.035 χ^2/NDF:49.0/35

All: 0.007+/-0.025 χ^2/NDF: 84.0/69

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.100+/-0.029 χ^2/NDF: 989809.0/15

Left Out: 277.189+/-0.055 χ^2/NDF:2512805.7/17

Right Out: 96.570+/-0.028 χ^2/NDF: 955477.2/17

Left In: 276.686+/-0.054 χ^2/NDF:2498152.4/17

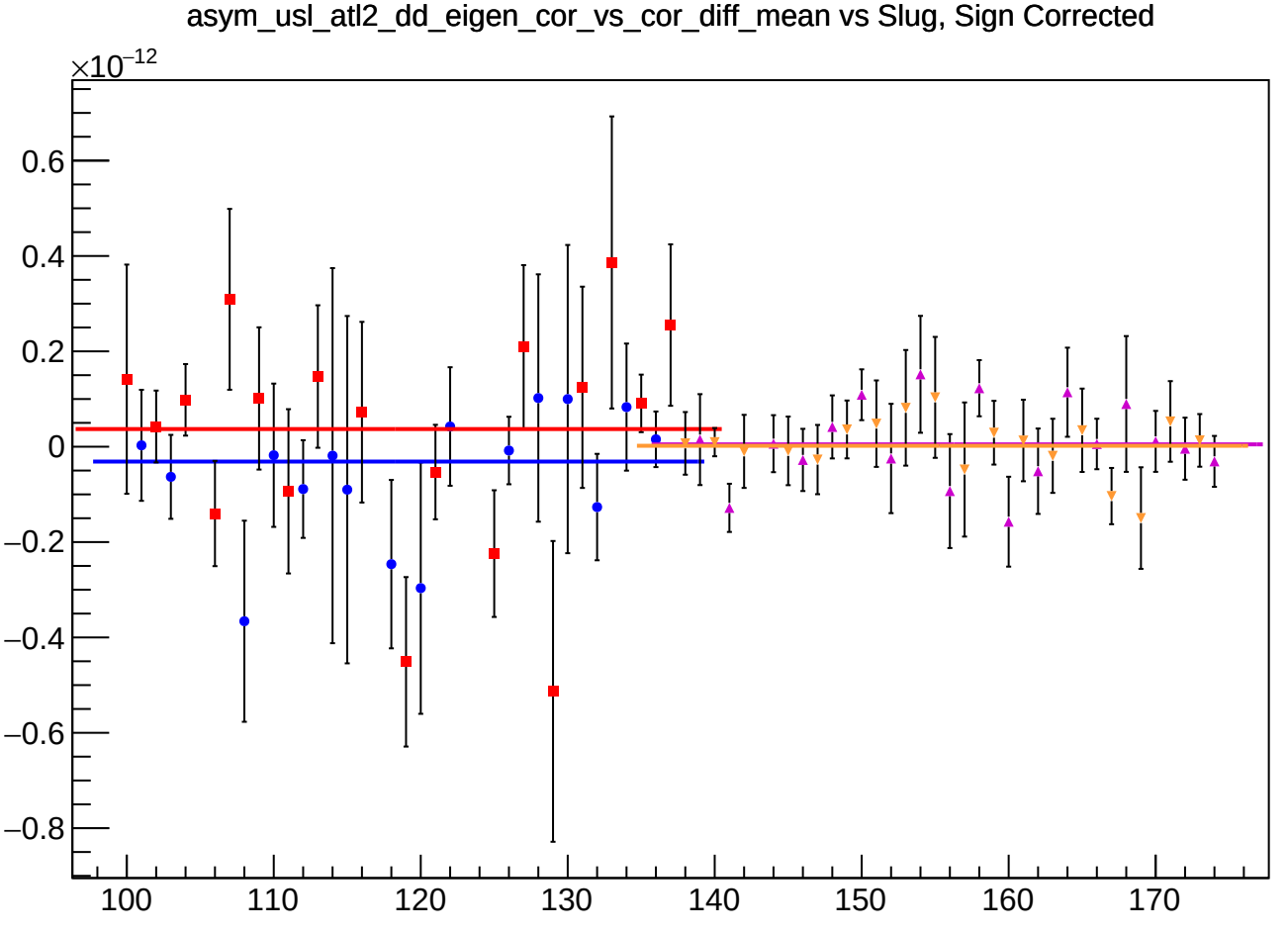
Left: 276.931+/-0.039 χ^2/NDF: 5011000.6/35

Right: 100.135+/-0.020 χ^2/NDF: 1980754.7/33

In: 142.919+/-0.026 χ^2/NDF:11447001.5/33

Out: 132.331+/-0.025 χ^2/NDF:12005124.5/35

All: 137.433+/-0.018 χ^2/NDF: 23541159.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 8.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:8.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/17

Left In: 0.000+/-0.000 χ^2/NDF:23.1/17

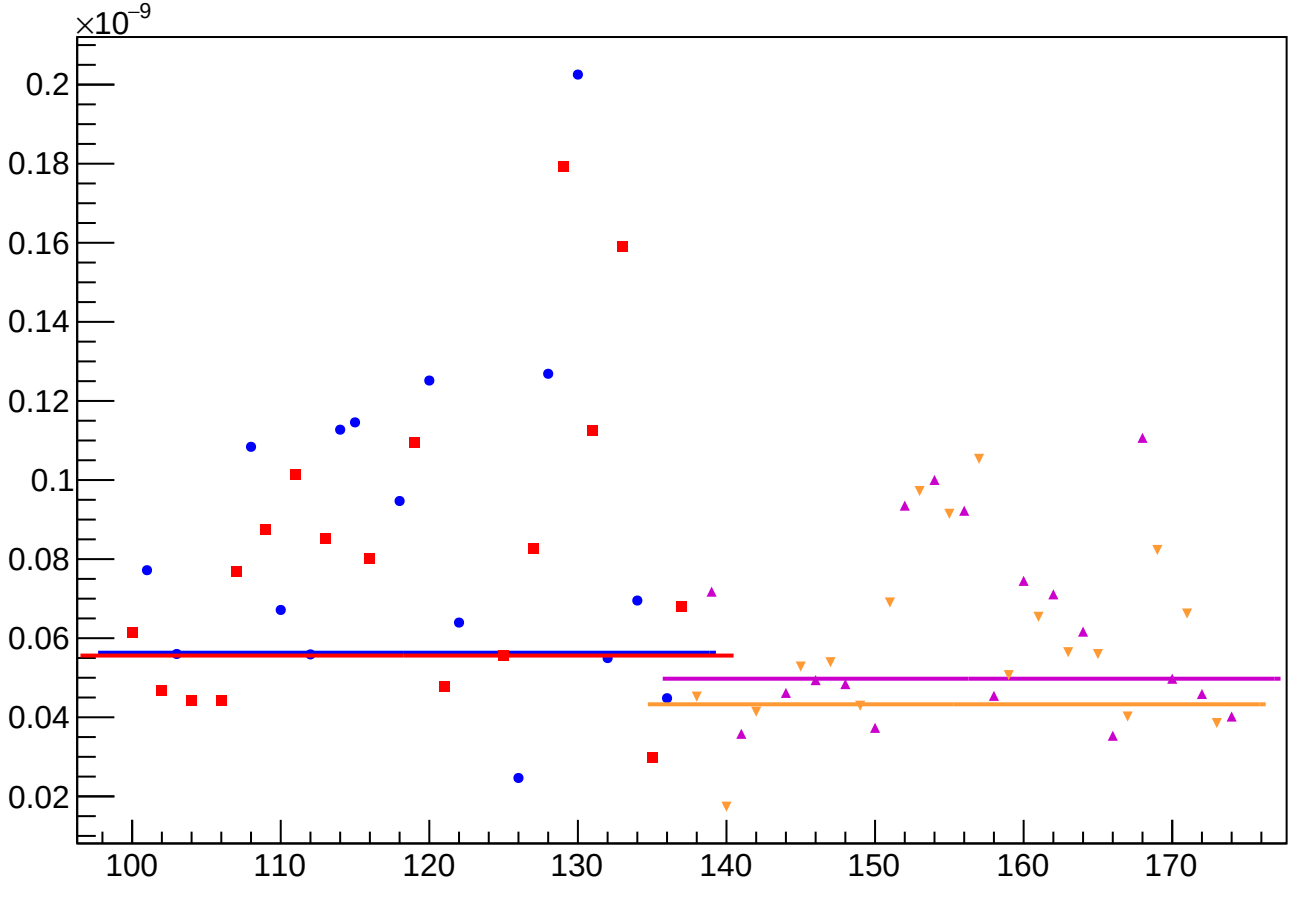
Left: 0.000+/-0.000 χ^2/NDF: 31.2/35

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:32.8/33

Out: 0.000+/-0.000 χ^2/NDF:36.3/35

All: 0.000+/-0.000 χ^2/NDF: 69.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 1582688.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:3541368.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1767462.9/17

Left In: 0.000+/-0.000 χ^2/NDF:2136553.1/17

Left: 0.000+/-0.000 χ^2/NDF: 5838705.8/35

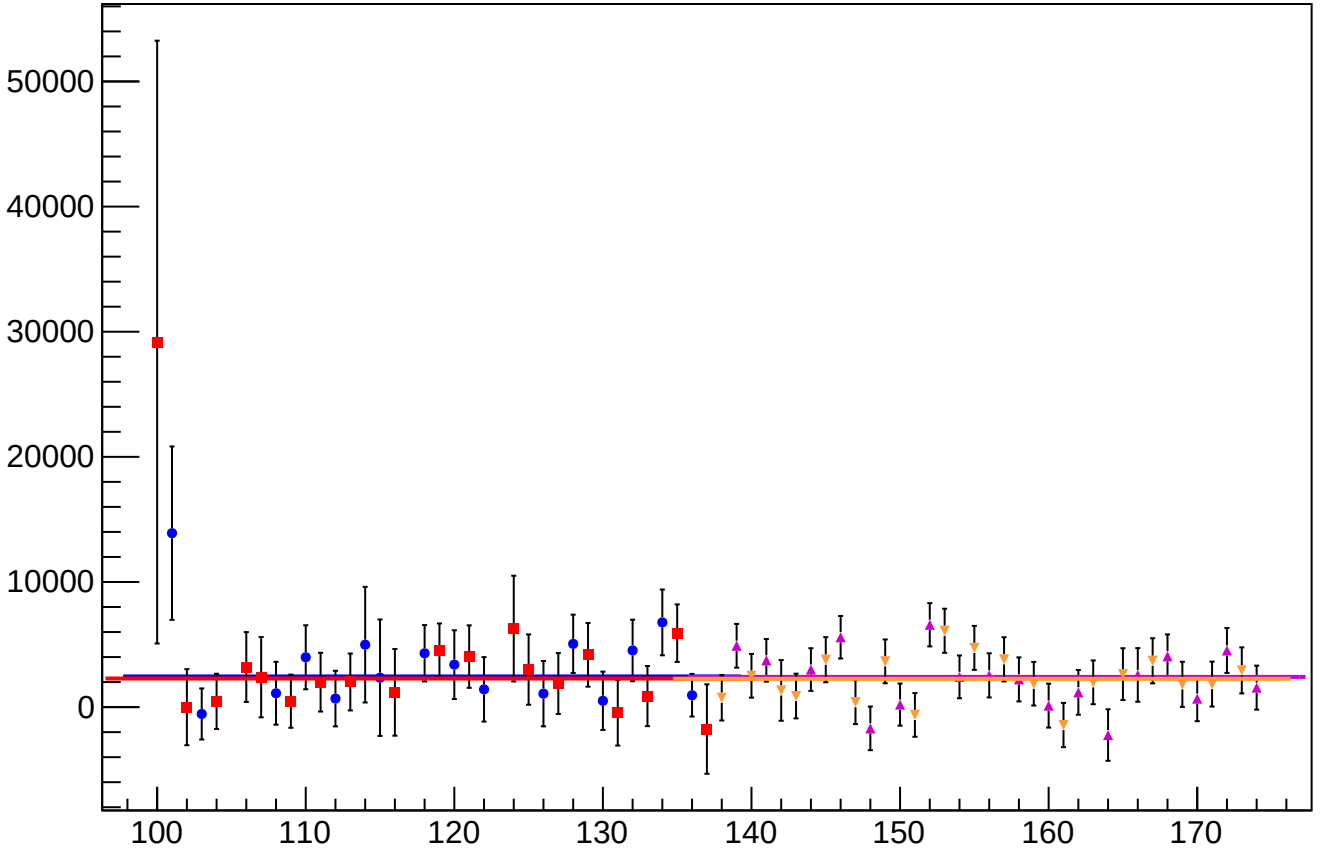
Right: 0.000+/-0.000 χ^2/NDF: 3350763.8/33

In: 0.000+/-0.000 χ^2/NDF:3794776.0/33

Out: 0.000+/-0.000 χ^2/NDF:5590961.6/35

All: 0.000+/-0.000 χ^2/NDF: 9519713.9/69

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2449.957+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.839+/-415.348 χ^2/NDF:19.5/18

Right Out: 2286.573+/-609.157 χ^2/NDF: 11.8/18

Left In: 2413.542+/-417.856 χ^2/NDF:30.1/17

Left: 2337.737+/-294.578 χ^2/NDF: 49.7/36

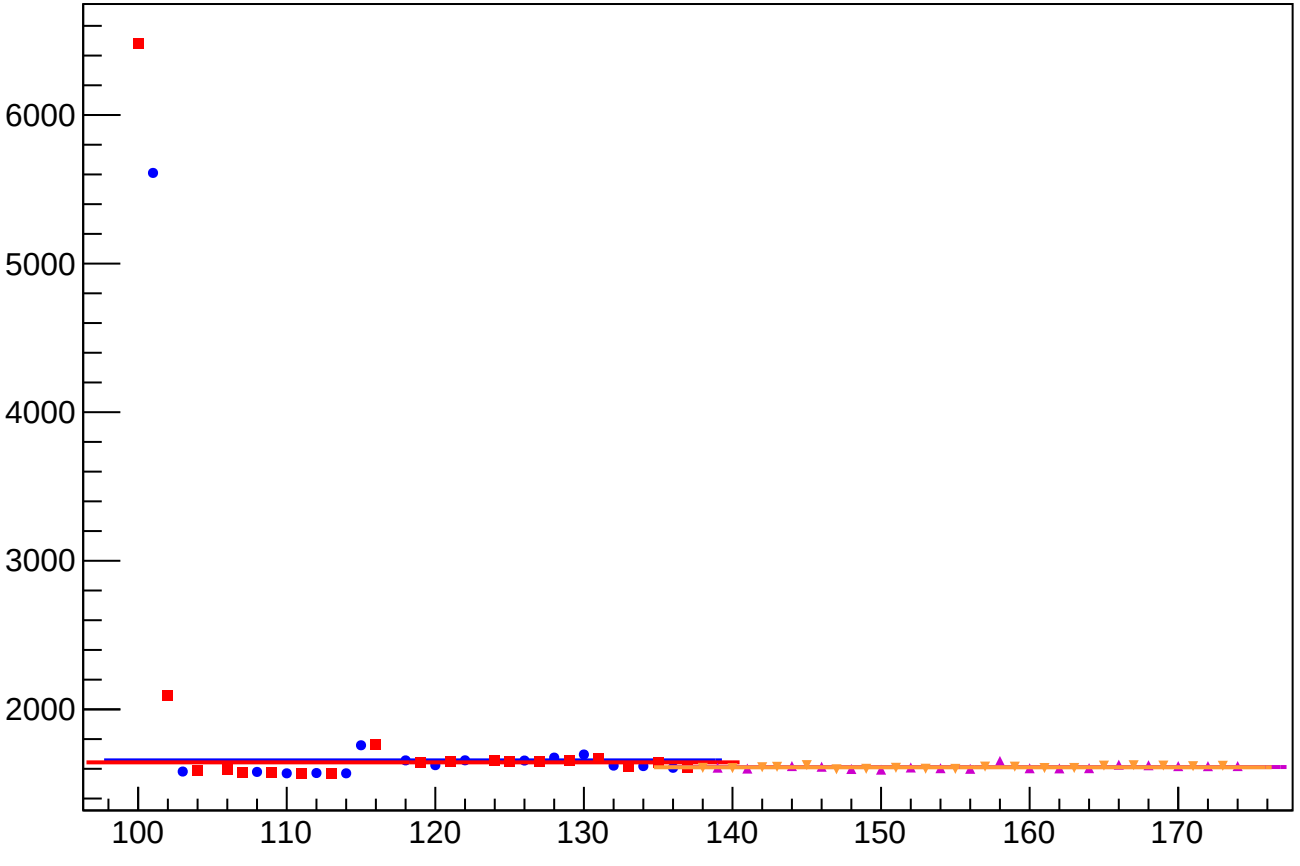
Right: 2365.487+/-438.001 χ^2/NDF: 25.7/34

In: 2424.662+/-348.263 χ^2/NDF:43.9/33

Out: 2270.371+/-343.168 χ^2/NDF:31.4/37

All: 2346.380+/-244.438 χ^2/NDF: 75.4/71

reg_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1656.683+/-0.446 χ^2/NDF: 666226.2/15

Left Out: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1643.430+/-0.431 χ^2/NDF: 136997.9/18

Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

Left: 1611.219+/-0.208 χ^2/NDF: 2951.0/36

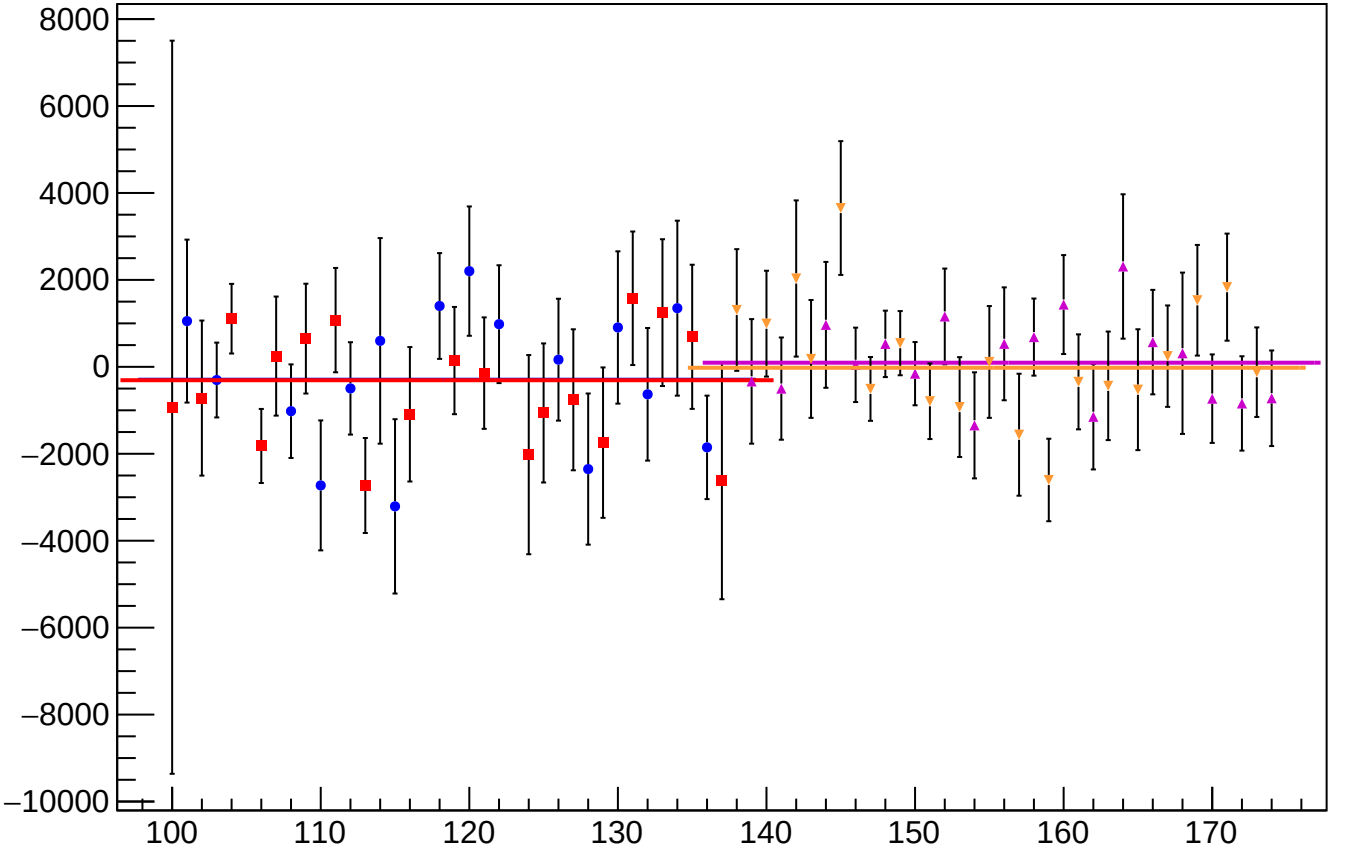
Right: 1649.831+/-0.310 χ^2/NDF: 803681.3/34

In: 1625.621+/-0.246 χ^2/NDF:675267.5/33

Out: 1620.938+/-0.243 χ^2/NDF:141883.5/37

All: 1623.245+/-0.173 χ^2/NDF: 817334.4/71

asym_usr_atr1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -296.450+/-343.436 χ^2/NDF: 16.0/15

Left Out: -21.017+/-254.793 χ^2/NDF:23.8/18

Right Out: -307.671+/-312.976 χ^2/NDF: 18.7/18

Left In: 94.994+/-254.380 χ^2/NDF:10.4/17

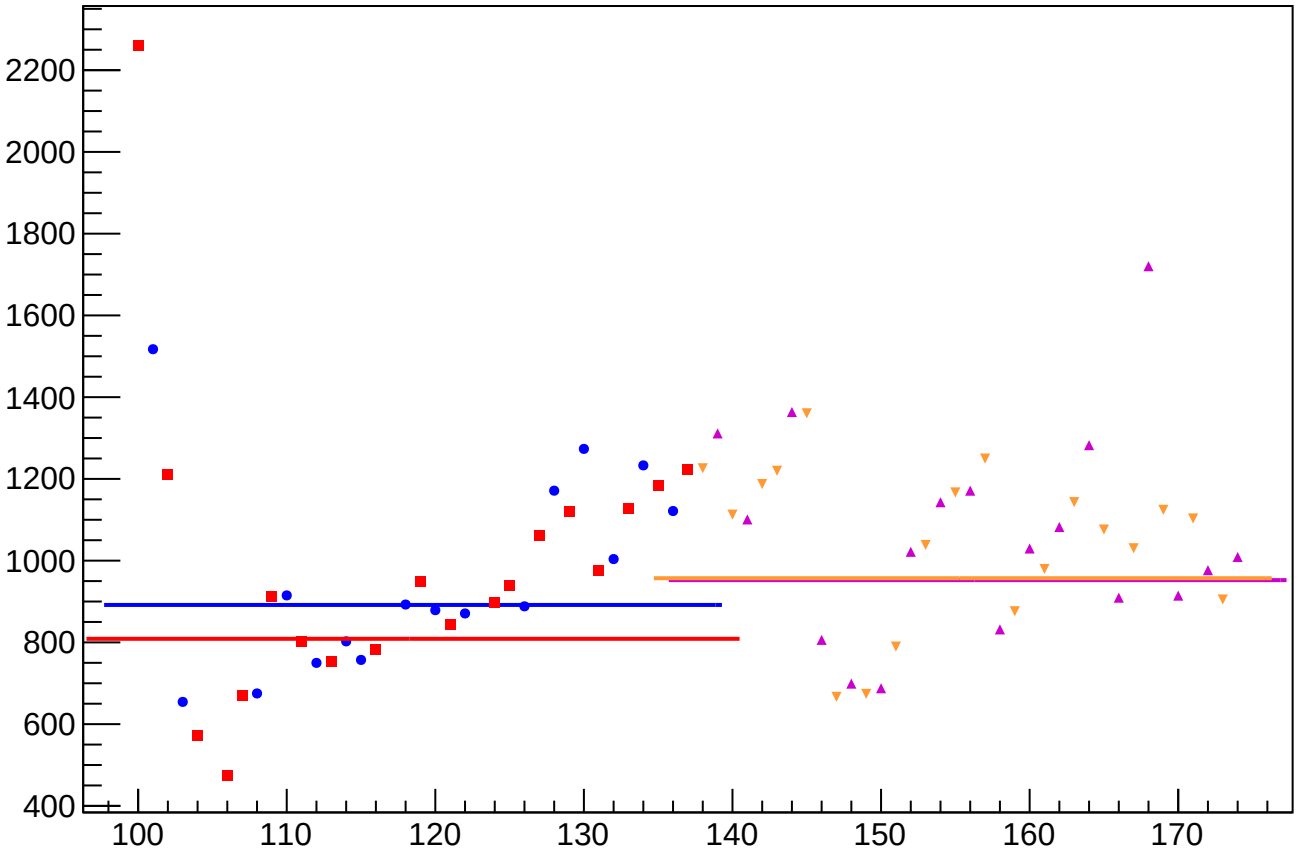
Left: 37.082+/-180.020 χ^2/NDF: 34.3/36

Right: -302.580+/-231.328 χ^2/NDF: 34.7/34

In: -43.681+/-204.414 χ^2/NDF:27.2/33

Out: -135.274+/-197.594 χ^2/NDF:43.0/37

All: -91.031+/-142.070 χ^2/NDF: 70.3/71



Right In: 891.633+/-0.243 χ^2/NDF: 793897.2/15

Left Out: 957.023+/-0.180 χ^2/NDF:1333182.9/18

Right Out: 808.809+/-0.221 χ^2/NDF: 1083841.8/18

Left In: 952.308+/-0.180 χ^2/NDF:1477277.7/17

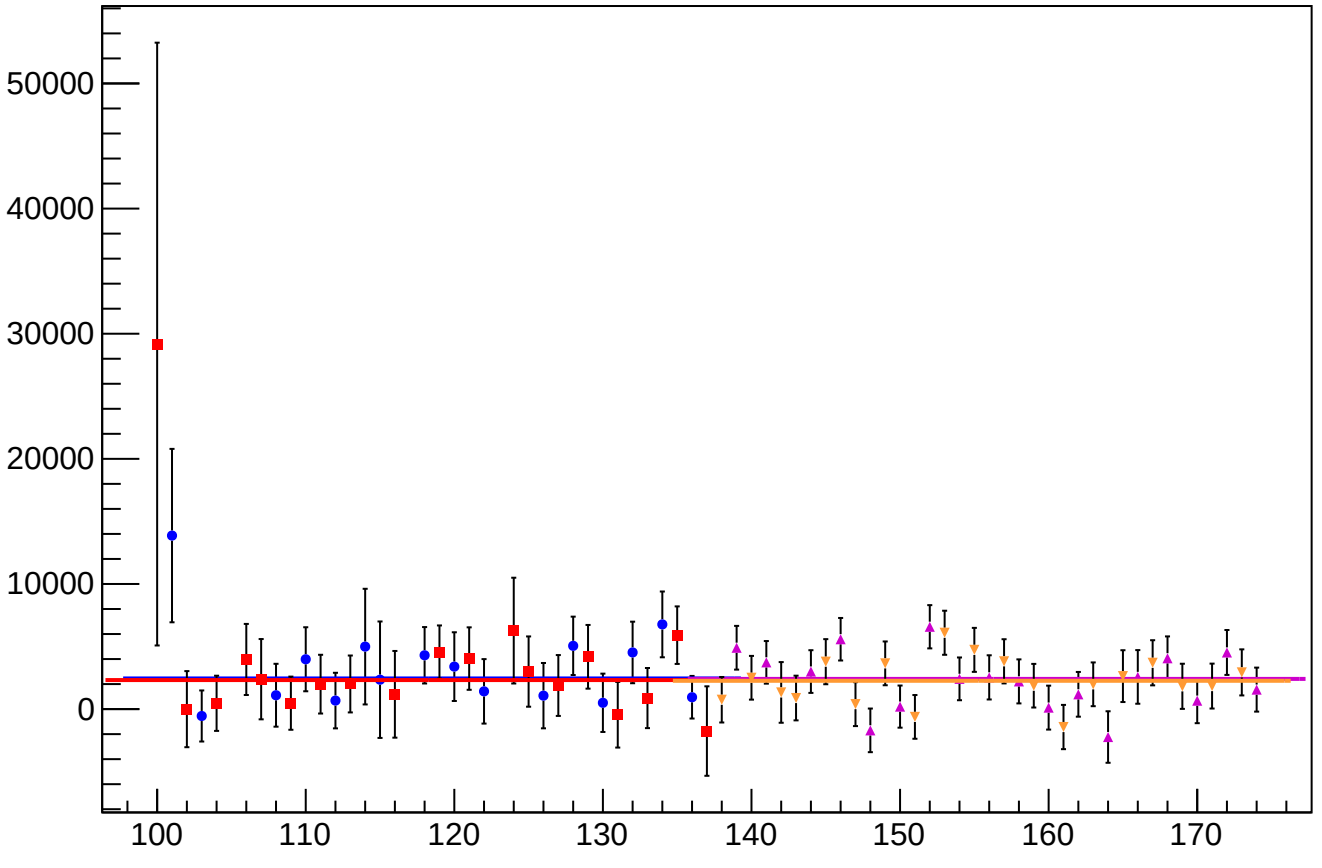
Left: 954.662+/-0.127 χ^2/NDF: 2810803.6/36

Right: 846.386+/-0.164 χ^2/NDF: 1941284.0/34

In: 930.813+/-0.145 χ^2/NDF:2311485.2/33

Out: 897.947+/-0.140 χ^2/NDF:2686771.7/37

All: 913.823+/-0.100 χ^2/NDF: 5024985.0/71



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.825+/-415.348 χ^2/NDF:19.5/18

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2413.565+/-417.856 χ^2/NDF:30.1/17

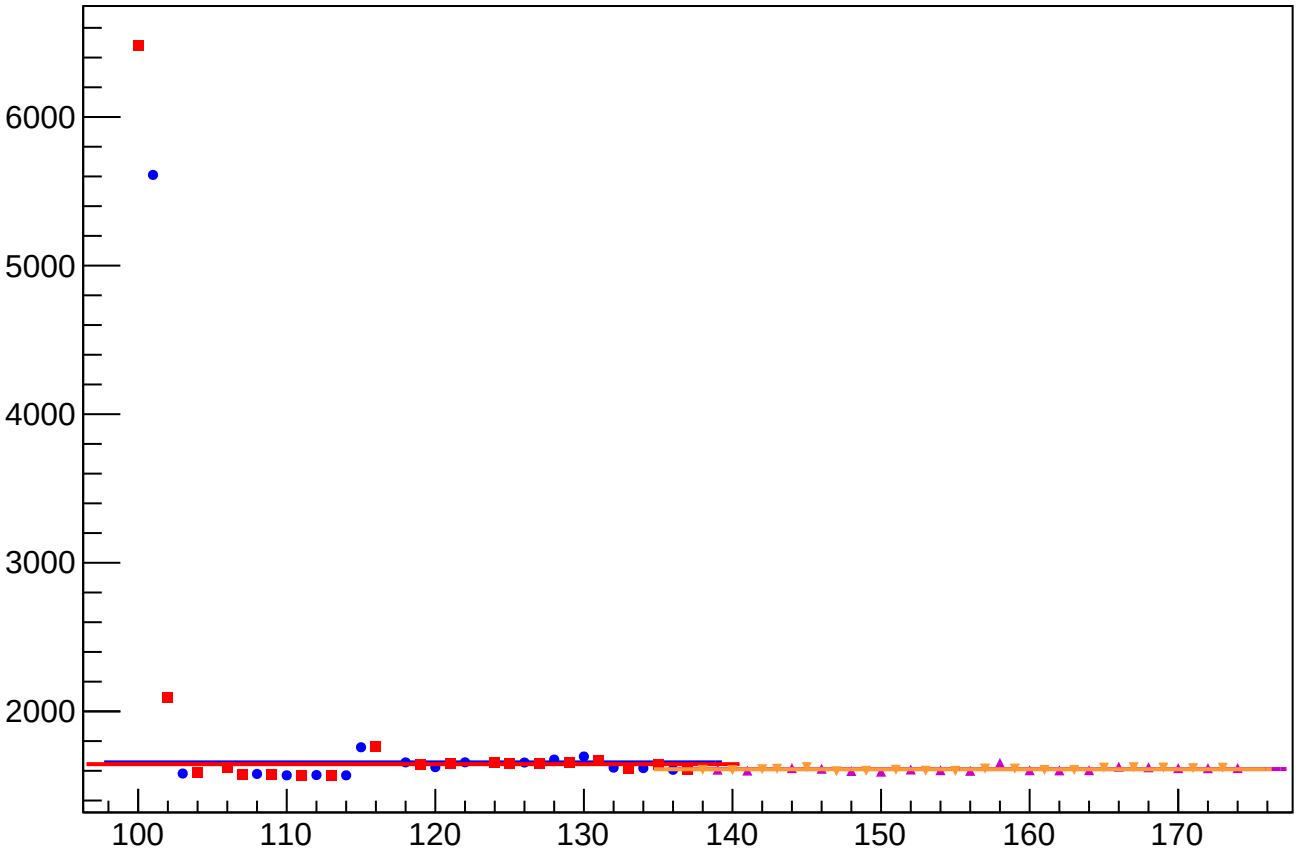
Left: 2337.742+/-294.578 χ^2/NDF: 49.7/36

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2424.507+/-348.263 χ^2/NDF:43.9/33

Out: 2281.132+/-343.258 χ^2/NDF:31.6/37

All: 2351.782+/-244.470 χ^2/NDF: 75.6/71



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

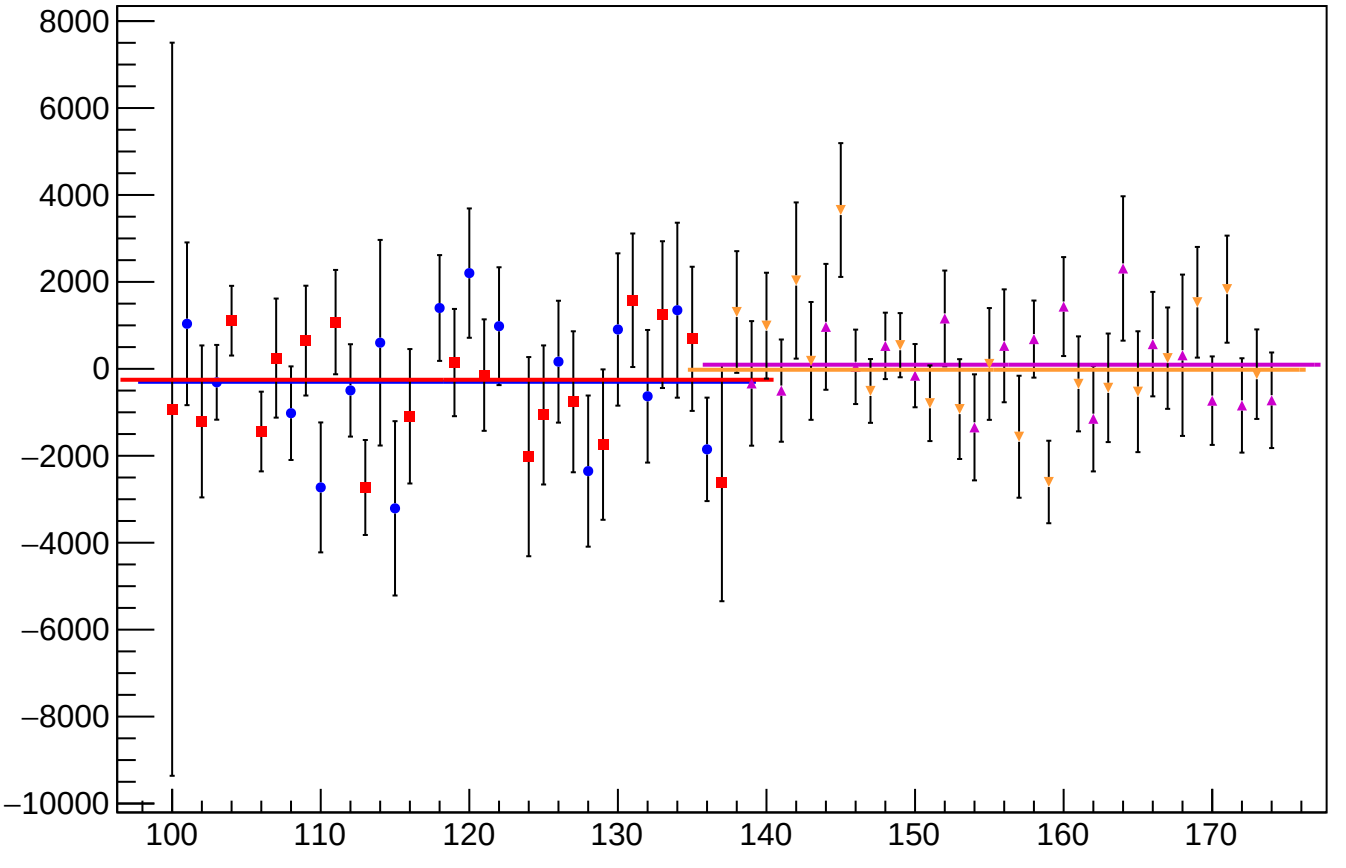
Left: 1611.219+/-0.208 χ^2/NDF: 2951.0/36

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.621+/-0.246 χ^2/NDF:675267.0/33

Out: 1621.339+/-0.243 χ^2/NDF:141686.0/37

All: 1623.449+/-0.173 χ^2/NDF: 817106.3/71



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -21.077+/-254.791 χ^2/NDF:23.8/18

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 95.036+/-254.381 χ^2/NDF:10.4/17

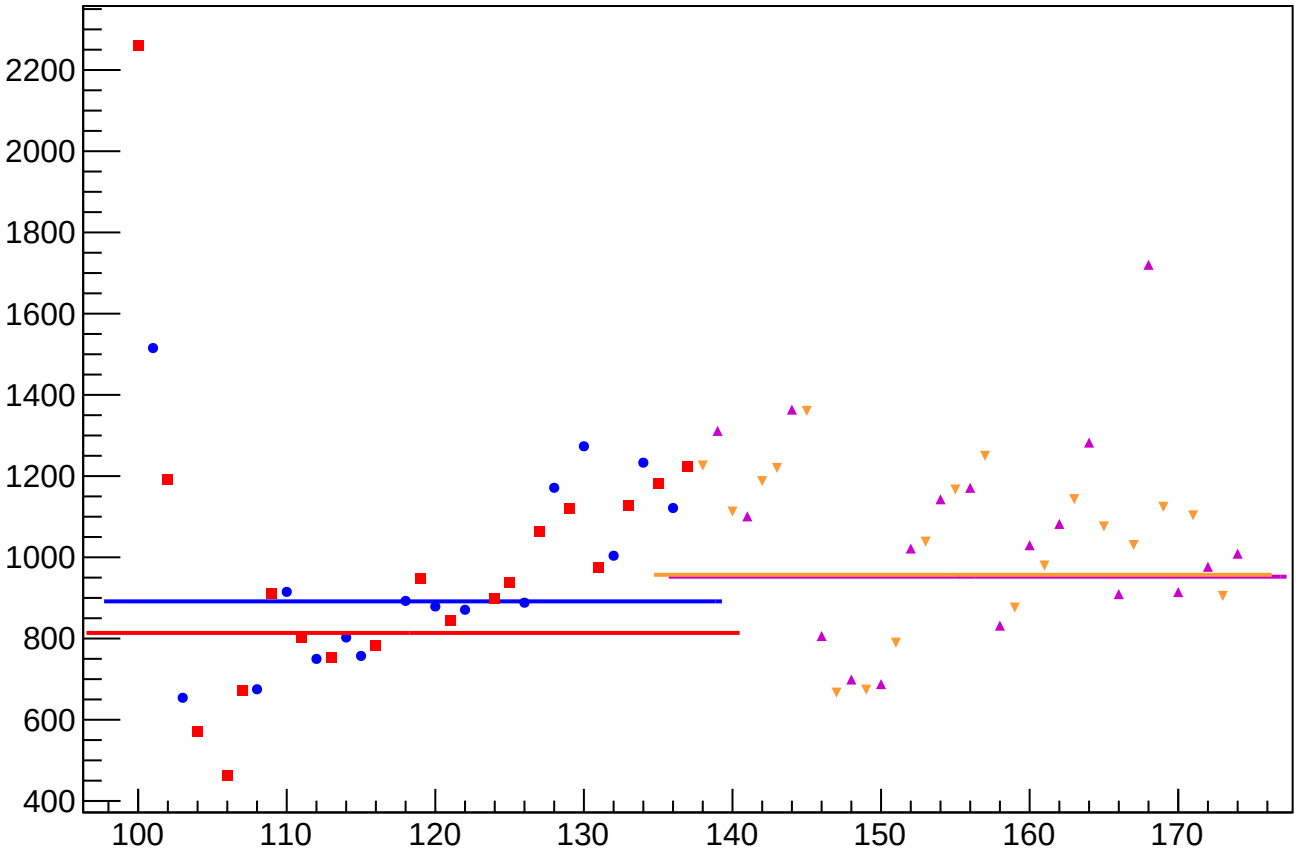
Left: 37.073+/-180.019 χ^2/NDF: 34.3/36

Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -44.155+/-204.405 χ^2/NDF:27.2/33

Out: -111.841+/-198.285 χ^2/NDF:41.4/37

All: -79.026+/-142.323 χ^2/NDF: 68.6/71



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 957.014+/-0.180 χ^2/NDF:1333273.8/18

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 952.314+/-0.180 χ^2/NDF:1477232.7/17

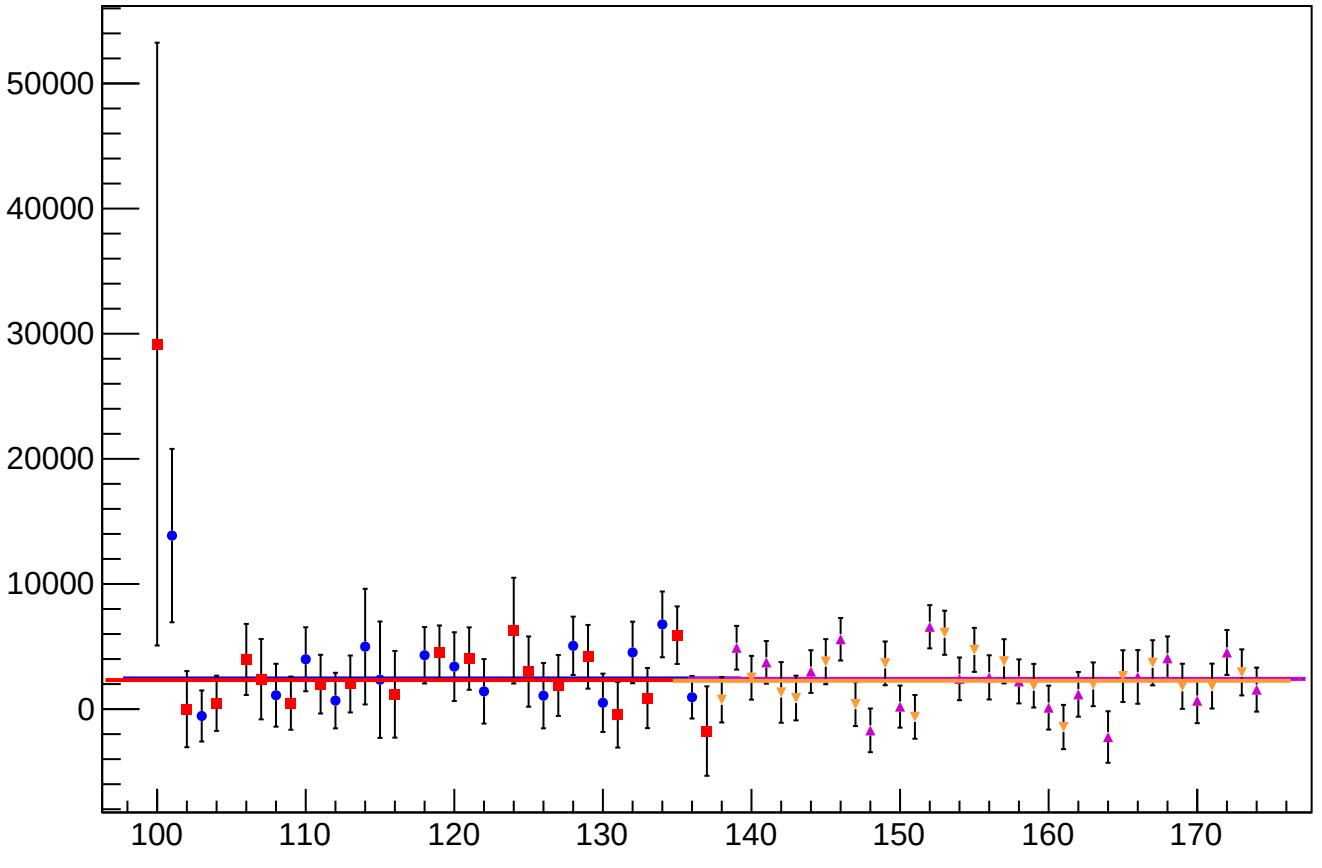
Left: 954.660+/-0.127 χ^2/NDF: 2810847.3/36

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 930.778+/-0.145 χ^2/NDF:2311347.8/33

Out: 900.538+/-0.140 χ^2/NDF:2635428.6/37

All: 915.199+/-0.101 χ^2/NDF: 4969327.3/71



Right In: 2449.397+/-630.235 χ^2/NDF: 13.8/15

Left Out: 2262.825+/-415.348 χ^2/NDF:19.5/18

Right Out: 2320.575+/-609.657 χ^2/NDF: 12.1/18

Left In: 2413.565+/-417.856 χ^2/NDF:30.1/17

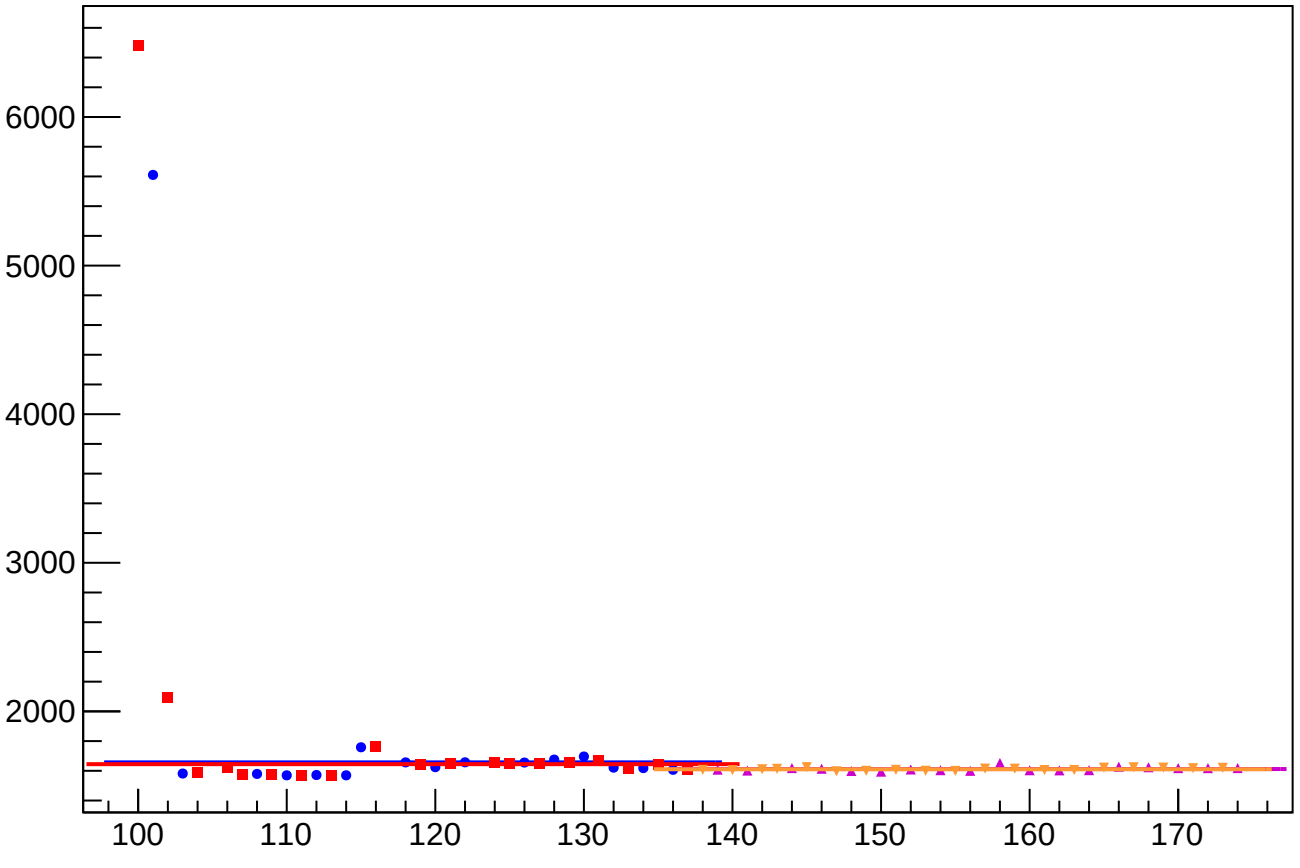
Left: 2337.742+/-294.578 χ^2/NDF: 49.7/36

Right: 2382.848+/-438.187 χ^2/NDF: 25.9/34

In: 2424.507+/-348.263 χ^2/NDF:43.9/33

Out: 2281.132+/-343.258 χ^2/NDF:31.6/37

All: 2351.782+/-244.470 χ^2/NDF: 75.6/71



Right In: 1656.683+/-0.446 χ^2/NDF: 666225.7/15

Left Out: 1610.481+/-0.294 χ^2/NDF:891.3/18

Right Out: 1644.733+/-0.431 χ^2/NDF: 136483.1/18

Left In: 1611.966+/-0.295 χ^2/NDF:2047.0/17

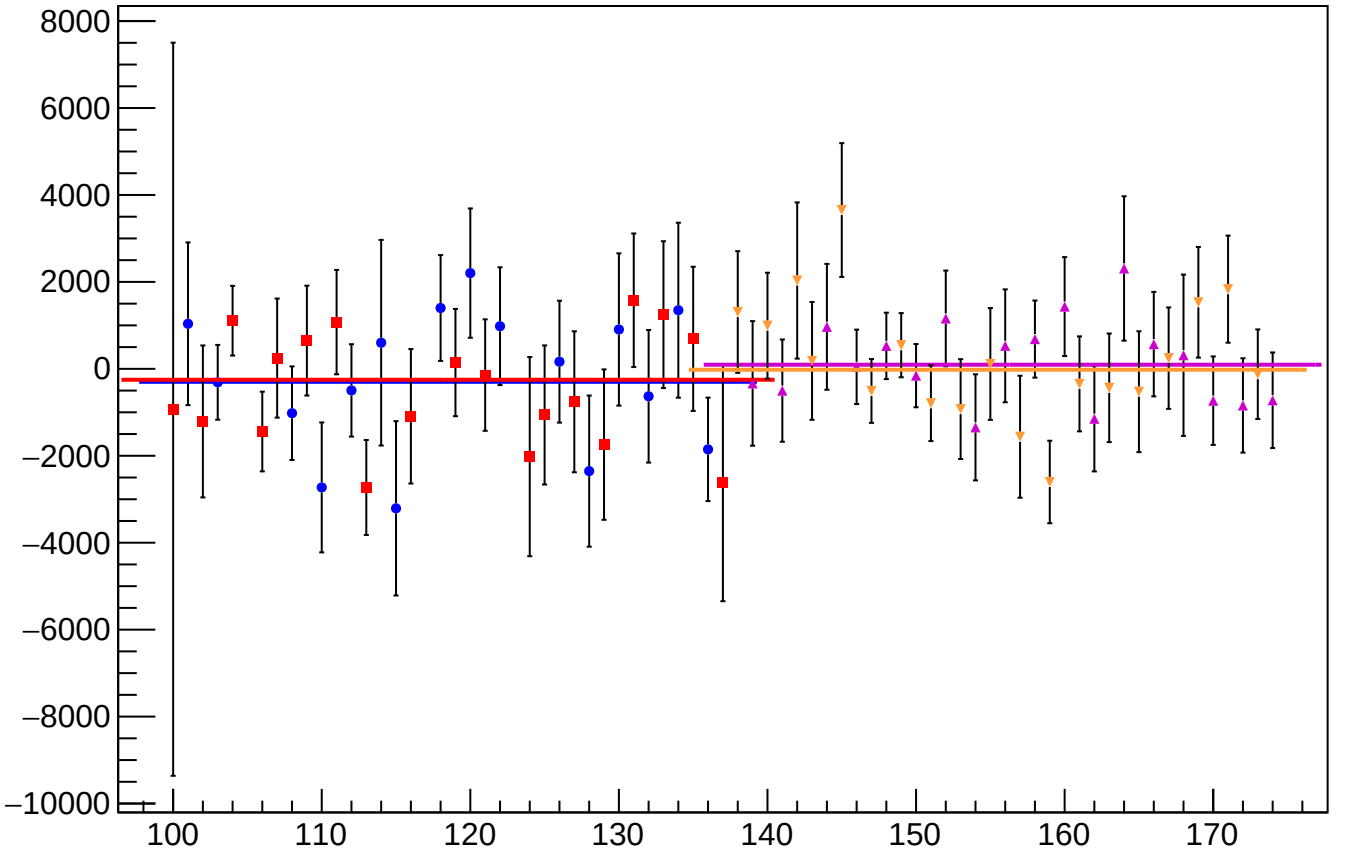
Left: 1611.219+/-0.208 χ^2/NDF: 2951.0/36

Right: 1650.510+/-0.310 χ^2/NDF: 803080.3/34

In: 1625.621+/-0.246 χ^2/NDF:675267.0/33

Out: 1621.339+/-0.243 χ^2/NDF:141686.0/37

All: 1623.449+/-0.173 χ^2/NDF: 817106.3/71



Right In: -297.794+/-343.391 χ^2/NDF: 15.9/15

Left Out: -21.077+/-254.791 χ^2/NDF:23.8/18

Right Out: -251.230+/-315.749 χ^2/NDF: 17.3/18

Left In: 95.036+/-254.381 χ^2/NDF:10.4/17

Left: 37.073+/-180.019 χ^2/NDF: 34.3/36

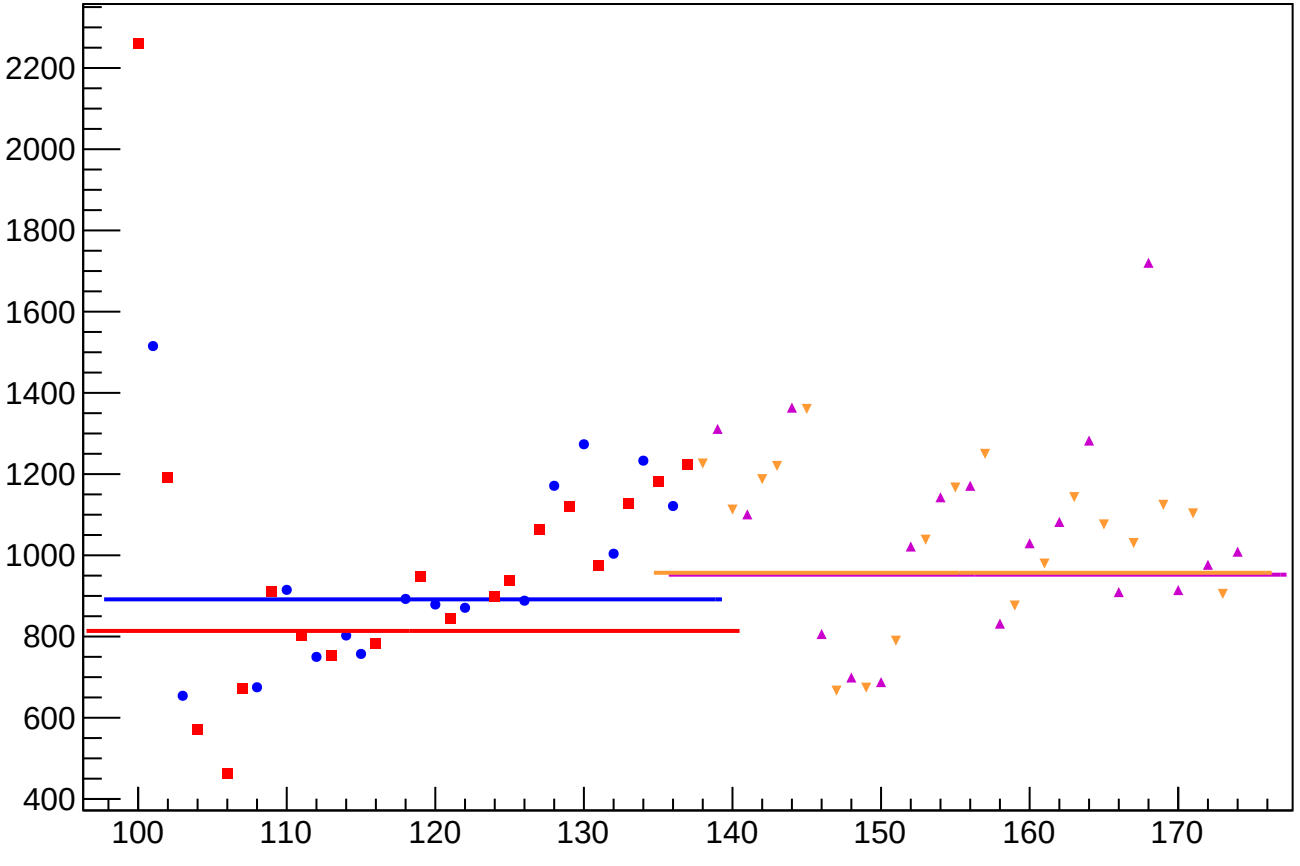
Right: -272.563+/-232.427 χ^2/NDF: 33.2/34

In: -44.155+/-204.405 χ^2/NDF:27.2/33

Out: -111.841+/-198.285 χ^2/NDF:41.4/37

All: -79.026+/-142.323 χ^2/NDF: 68.6/71

asym_usr_atr1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 891.533+/-0.243 χ^2/NDF: 793657.2/15

Left Out: 957.014+/-0.180 χ^2/NDF:1333273.8/18

Right Out: 813.807+/-0.223 χ^2/NDF: 1052991.6/18

Left In: 952.314+/-0.180 χ^2/NDF:1477232.7/17

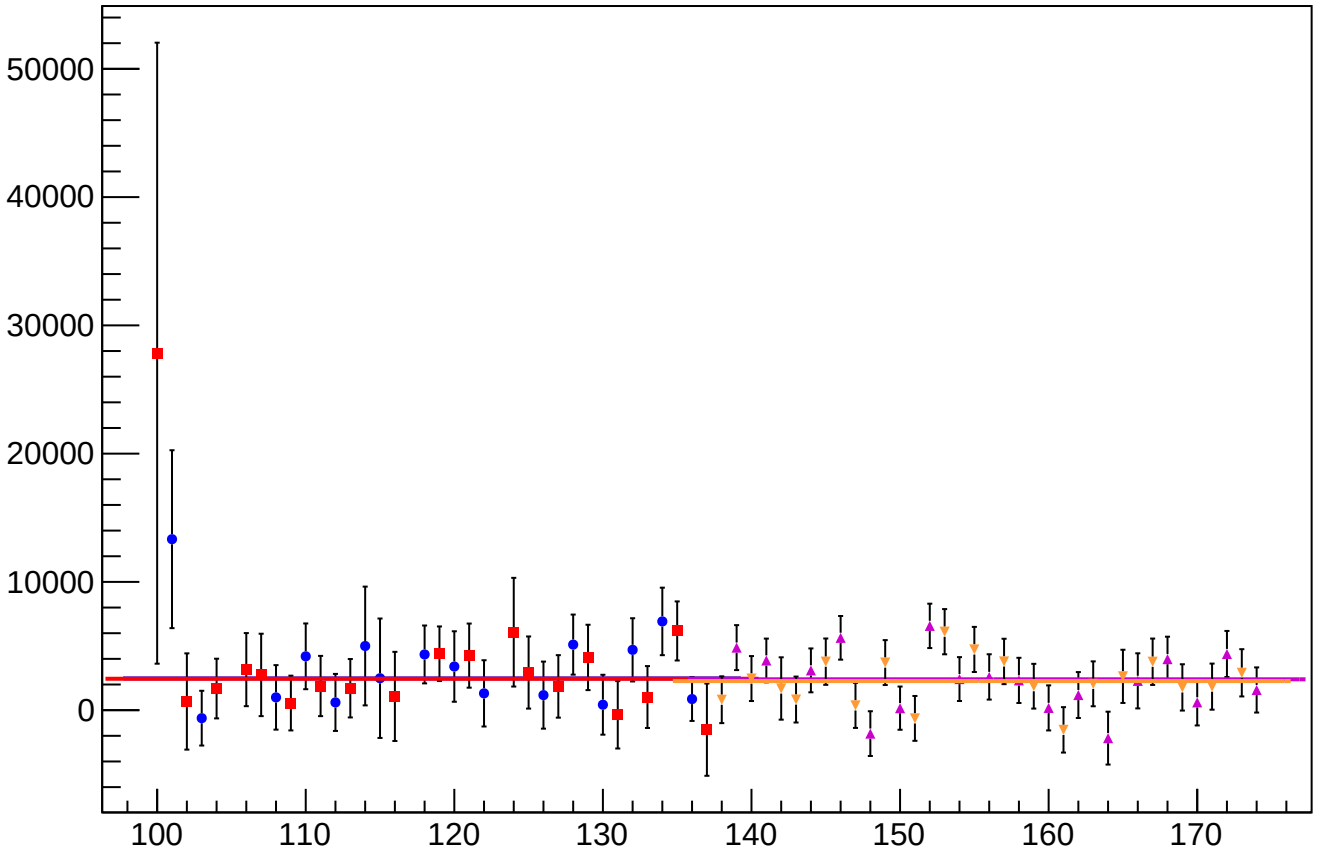
Left: 954.660+/-0.127 χ^2/NDF: 2810847.3/36

Right: 849.416+/-0.164 χ^2/NDF: 1902171.7/34

In: 930.778+/-0.145 χ^2/NDF:2311347.8/33

Out: 900.538+/-0.140 χ^2/NDF:2635428.6/37

All: 915.199+/-0.101 χ^2/NDF: 4969327.3/71



Right In: 2475.229+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2269.448+/-415.956 χ^2/NDF:19.8/18

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2406.903+/-418.380 χ^2/NDF:30.3/17

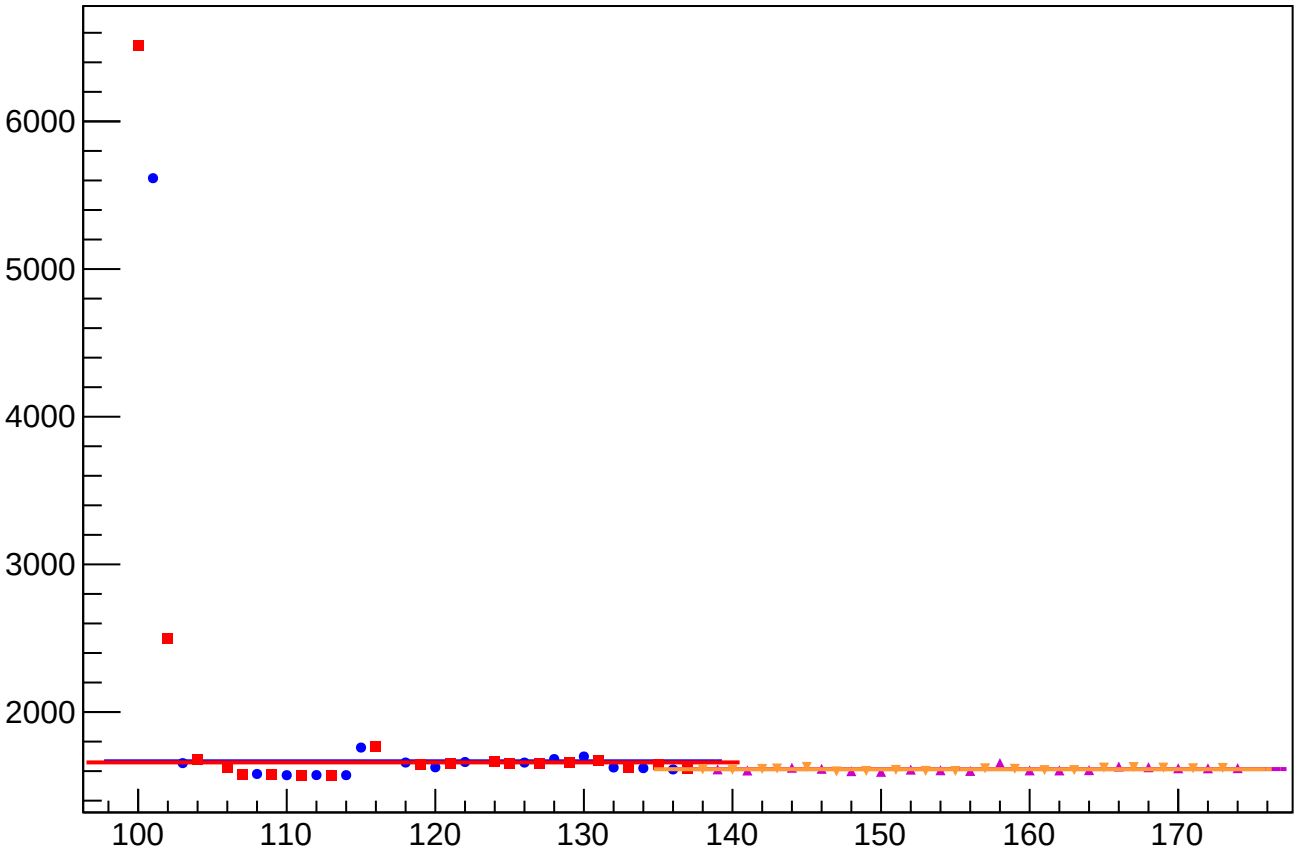
Left: 2337.776+/-294.979 χ^2/NDF: 50.1/36

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2427.637+/-349.177 χ^2/NDF:44.5/33

Out: 2325.504+/-344.992 χ^2/NDF:30.4/37

All: 2375.954+/-245.412 χ^2/NDF: 74.9/71



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.829+/-0.294 χ^2/NDF:987.9/18

Right Out: 1659.005+/-0.437 χ^2/NDF: 193223.7/18

Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

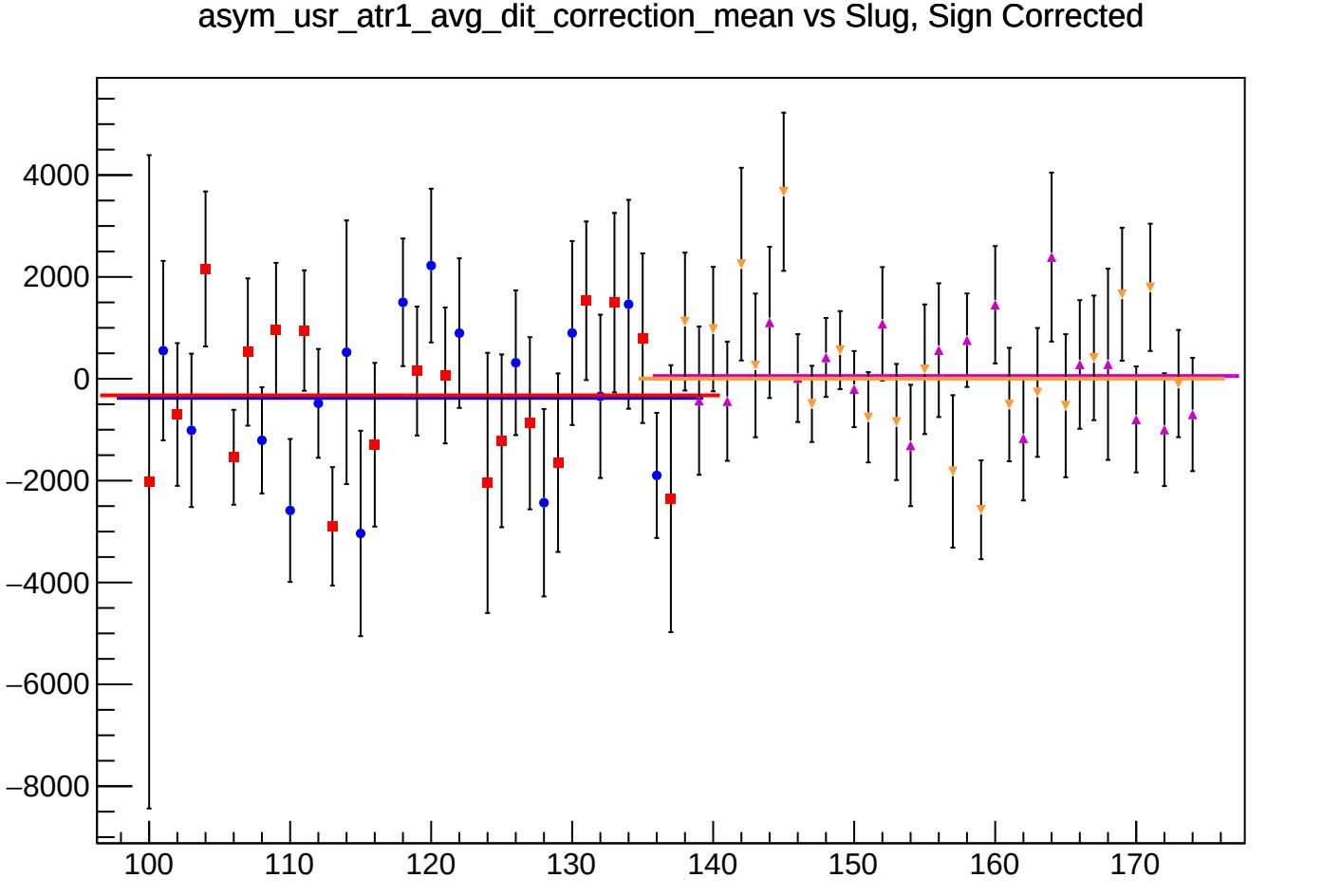
Left: 1613.399+/-0.209 χ^2/NDF: 3108.1/36

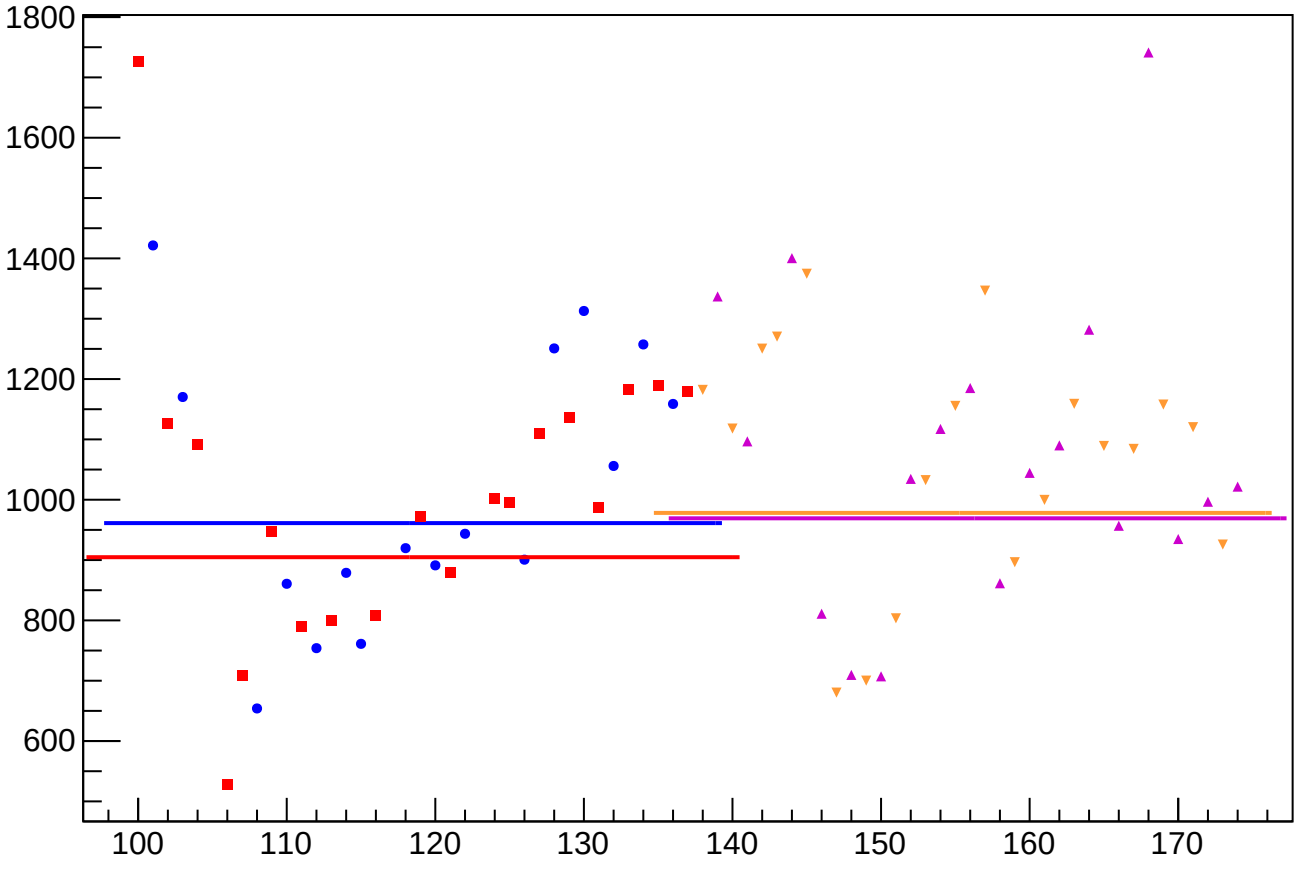
Right: 1662.606+/-0.313 χ^2/NDF: 856277.9/34

In: 1629.884+/-0.247 χ^2/NDF:674556.2/33

Out: 1627.241+/-0.244 χ^2/NDF:201903.9/37

All: 1628.547+/-0.174 χ^2/NDF: 876518.0/71


asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -374.592+/-367.944 χ²/NDF: 15.7/15
Left Out: 3.368+/-259.937 χ²/NDF:23.3/18
Right Out: -325.671+/-340.620 χ²/NDF: 17.4/18
Left In: 54.674+/-258.401 χ²/NDF:10.6/17
Left: 29.173+/-183.258 χ²/NDF: 33.9/36
Right: -348.248+/-249.957 χ²/NDF: 33.1/34
In: -87.111+/-211.463 χ²/NDF:27.2/33
Out: -117.730+/-206.640 χ²/NDF:41.3/37
All: -102.774+/-147.792 χ²/NDF: 68.5/71



Right In: 961.243+/-0.260 χ^2/NDF: 691875.4/15

Left Out: 978.157+/-0.184 χ^2/NDF:1303002.5/18

Right Out: 904.736+/-0.241 χ^2/NDF: 736484.7/18

Left In: 969.160+/-0.183 χ^2/NDF:1422140.3/17

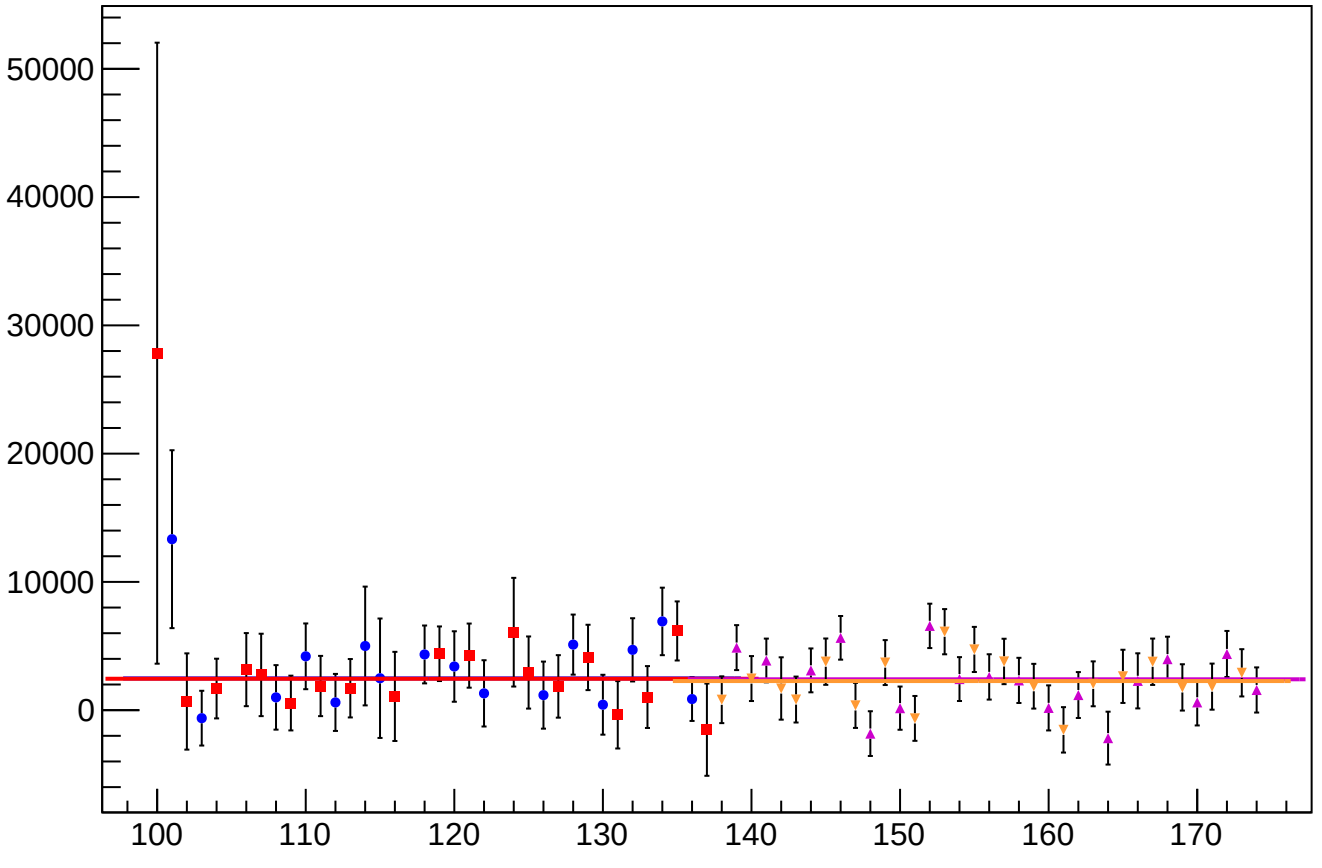
Left: 973.632+/-0.130 χ^2/NDF: 2726348.0/36

Right: 930.814+/-0.177 χ^2/NDF: 1453761.0/34

In: 966.545+/-0.150 χ^2/NDF:2114635.8/33

Out: 951.136+/-0.146 χ^2/NDF:2098211.7/37

All: 958.662+/-0.105 χ^2/NDF: 4218279.8/71



Right In: 2475.228+/-633.866 χ^2/NDF: 14.2/15

Left Out: 2269.448+/-415.956 χ^2/NDF:19.8/18

Right Out: 2449.053+/-617.532 χ^2/NDF: 10.6/18

Left In: 2406.903+/-418.380 χ^2/NDF:30.3/17

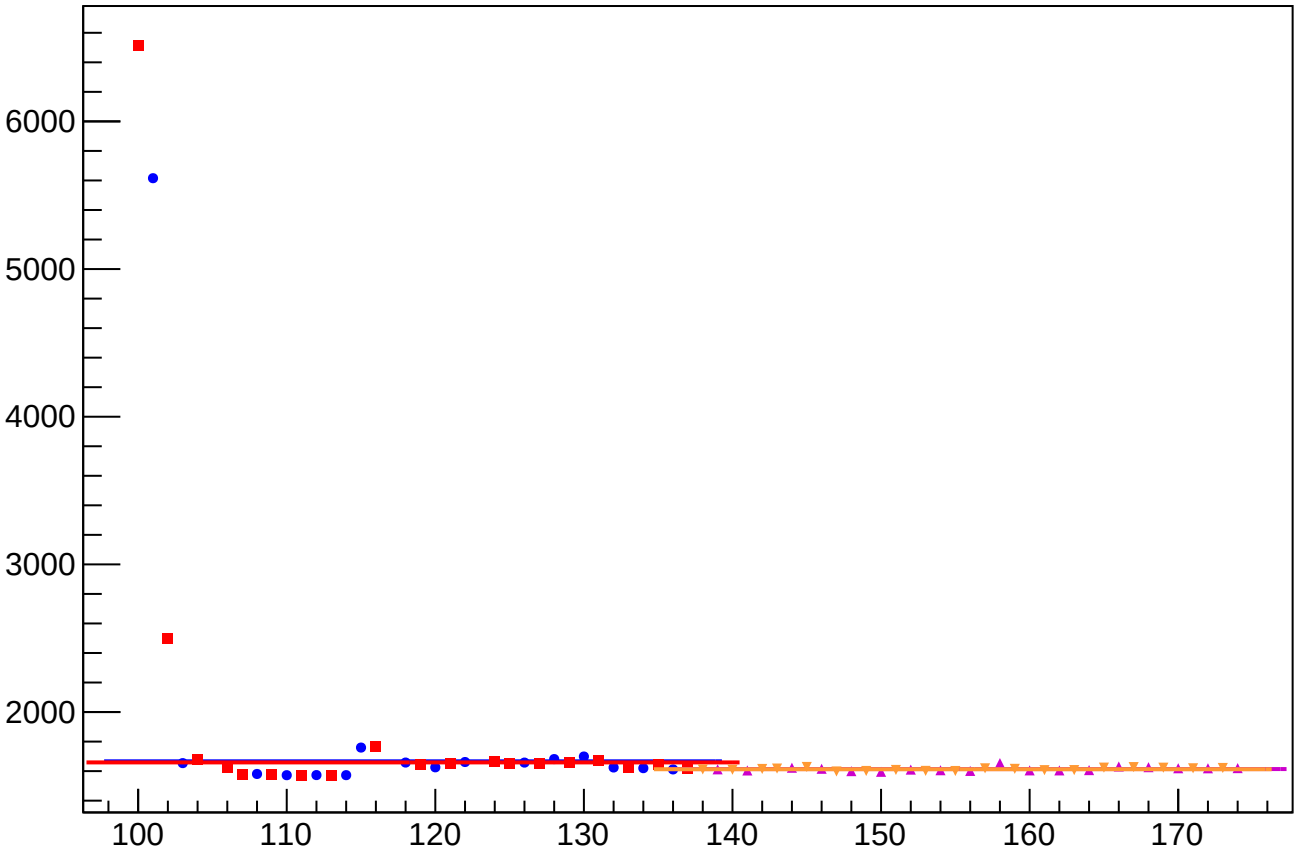
Left: 2337.776+/-294.979 χ^2/NDF: 50.1/36

Right: 2461.799+/-442.323 χ^2/NDF: 24.8/34

In: 2427.636+/-349.177 χ^2/NDF:44.5/33

Out: 2325.503+/-344.992 χ^2/NDF:30.4/37

All: 2375.954+/-245.412 χ^2/NDF: 74.9/71



Right In: 1666.400+/-0.448 χ^2/NDF: 662914.5/15

Left Out: 1612.829+/-0.294 χ^2/NDF:987.9/18

Right Out: 1659.004+/-0.437 χ^2/NDF: 193223.5/18

Left In: 1613.976+/-0.296 χ^2/NDF:2112.6/17

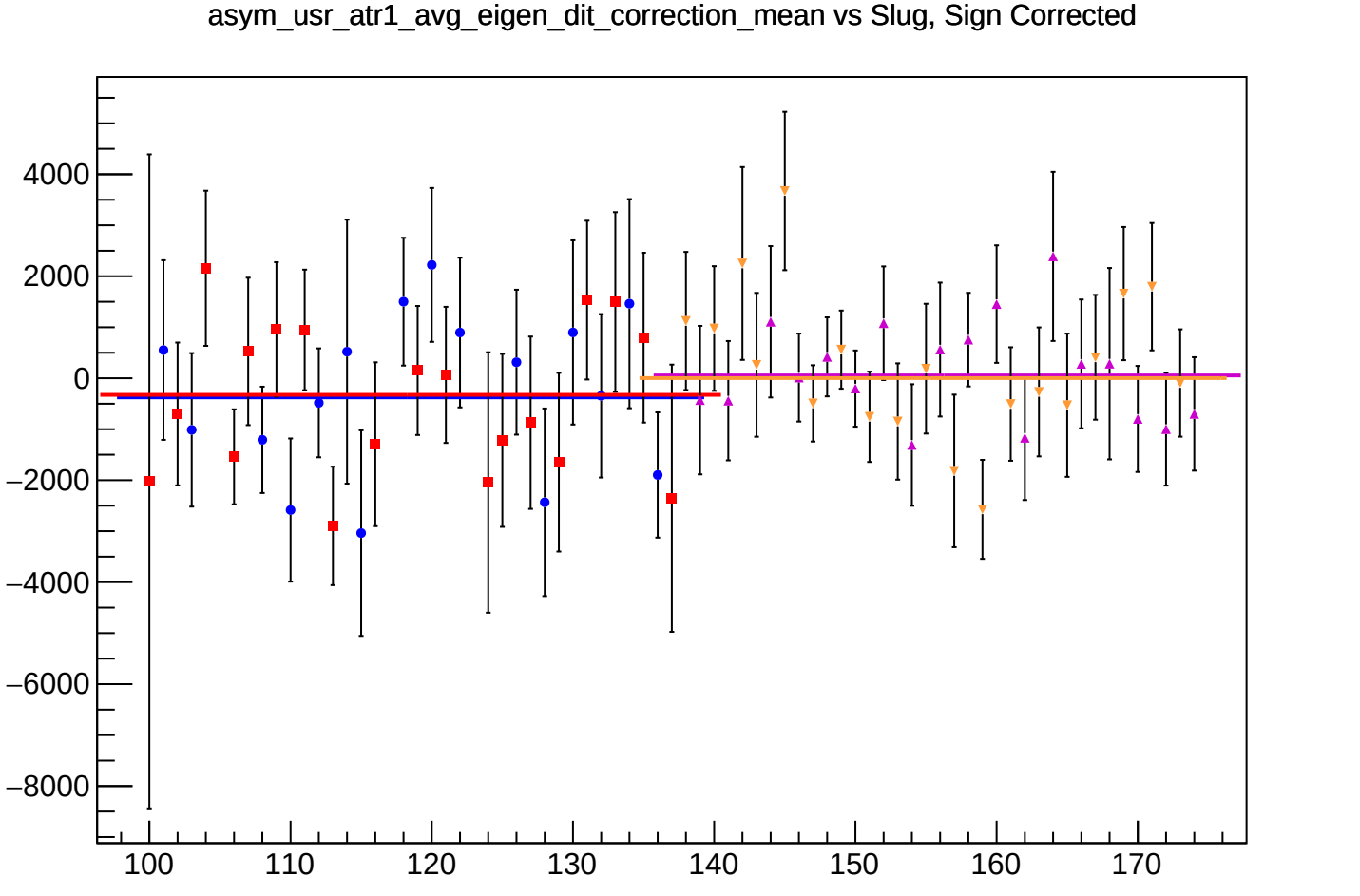
Left: 1613.399+/-0.209 χ^2/NDF: 3108.1/36

Right: 1662.606+/-0.313 χ^2/NDF: 856277.7/34

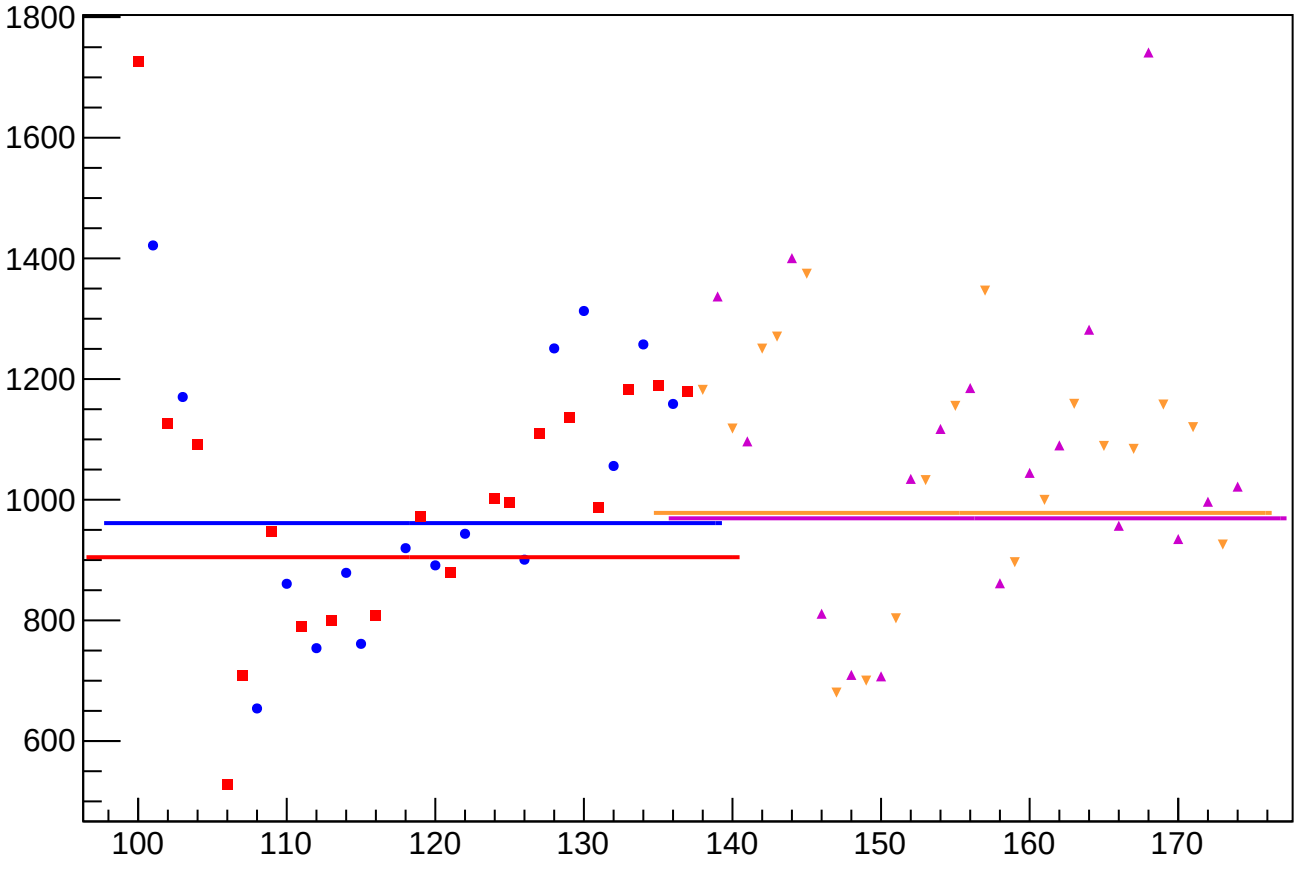
In: 1629.884+/-0.247 χ^2/NDF:674556.1/33

Out: 1627.241+/-0.244 χ^2/NDF:201903.6/37

All: 1628.547+/-0.174 χ^2/NDF: 876517.7/71


asym_usr_atr1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -374.590+/-367.943 χ²/NDF: 15.7/15
Left Out: 3.366+/-259.938 χ²/NDF:23.3/18
Right Out: -325.670+/-340.619 χ²/NDF: 17.4/18
Left In: 54.675+/-258.402 χ²/NDF:10.6/17
Left: 29.173+/-183.258 χ²/NDF: 33.9/36
Right: -348.247+/-249.956 χ²/NDF: 33.1/34
In: -87.111+/-211.463 χ²/NDF:27.2/33
Out: -117.731+/-206.640 χ²/NDF:41.3/37
All: -102.775+/-147.793 χ²/NDF: 68.5/71

asym_usr_atr1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 961.239+/-0.260 χ^2/NDF: 691883.4/15

Left Out: 978.159+/-0.184 χ^2/NDF:1303005.8/18

Right Out: 904.734+/-0.241 χ^2/NDF: 736482.2/18

Left In: 969.162+/-0.183 χ^2/NDF:1422143.7/17

Left: 973.634+/-0.130 χ^2/NDF: 2726354.7/36

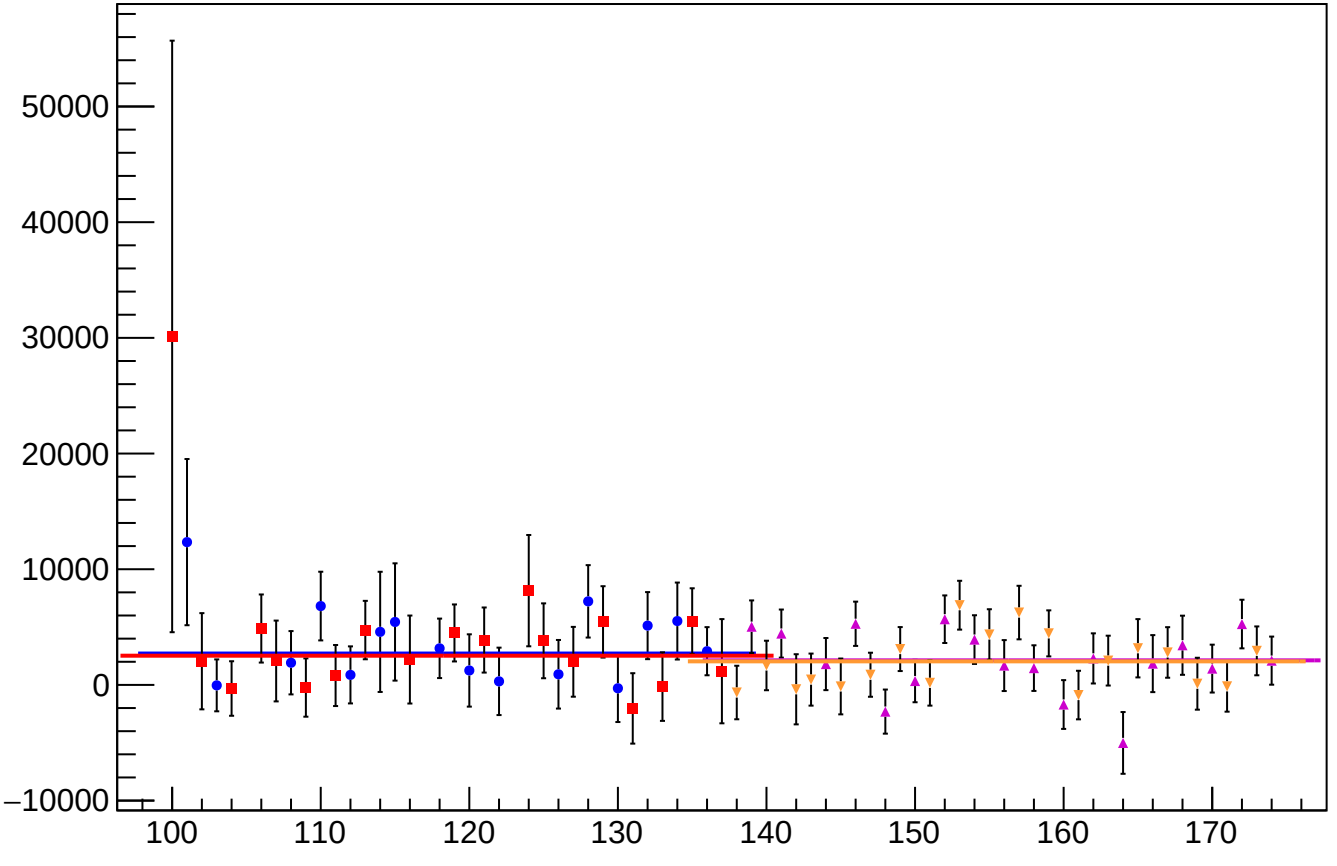
Right: 930.811+/-0.177 χ^2/NDF: 1453765.4/34

In: 966.545+/-0.150 χ^2/NDF:2114648.2/33

Out: 951.136+/-0.146 χ^2/NDF:2098219.9/37

All: 958.663+/-0.105 χ^2/NDF: 4218300.3/71

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2711.394+/-735.088 χ^2/NDF: 12.1/15

Left Out: 2036.995+/-499.452 χ^2/NDF:20.3/18

Right Out: 2525.536+/-706.449 χ^2/NDF: 13.2/18

Left In: 2122.853+/-501.209 χ^2/NDF:28.9/17

Left: 2079.773+/-353.786 χ^2/NDF: 49.2/36

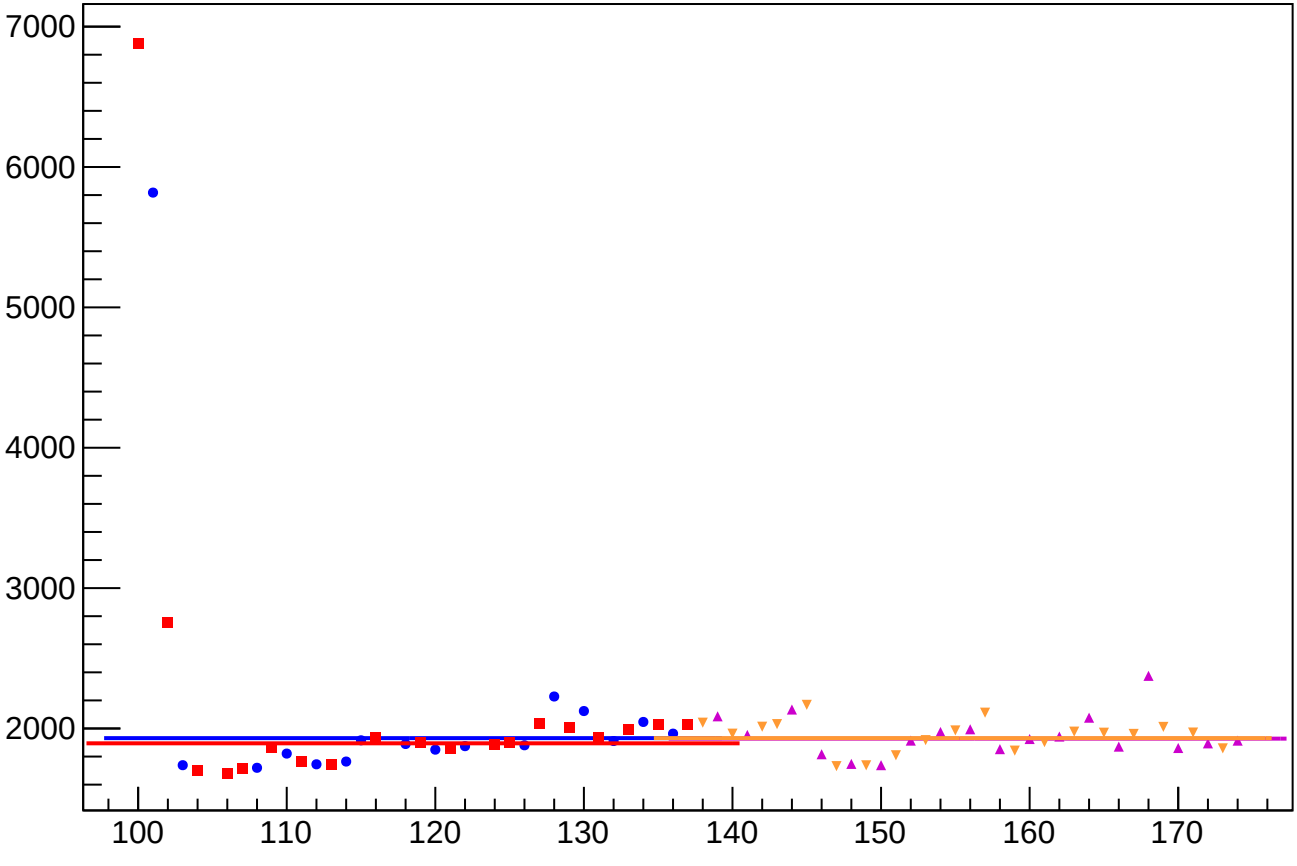
Right: 2614.774+/-509.359 χ^2/NDF: 25.4/34

In: 2309.632+/-414.109 χ^2/NDF:41.5/33

Out: 2199.806+/-407.824 χ^2/NDF:33.8/37

All: 2253.879+/-290.572 χ^2/NDF: 75.3/71

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1931.250+/-0.520 χ^2/NDF: 661227.1/15

Left Out: 1931.279+/-0.353 χ^2/NDF:105448.6/18

Right Out: 1894.349+/-0.500 χ^2/NDF: 220541.1/18

Left In: 1927.724+/-0.354 χ^2/NDF:150008.9/17

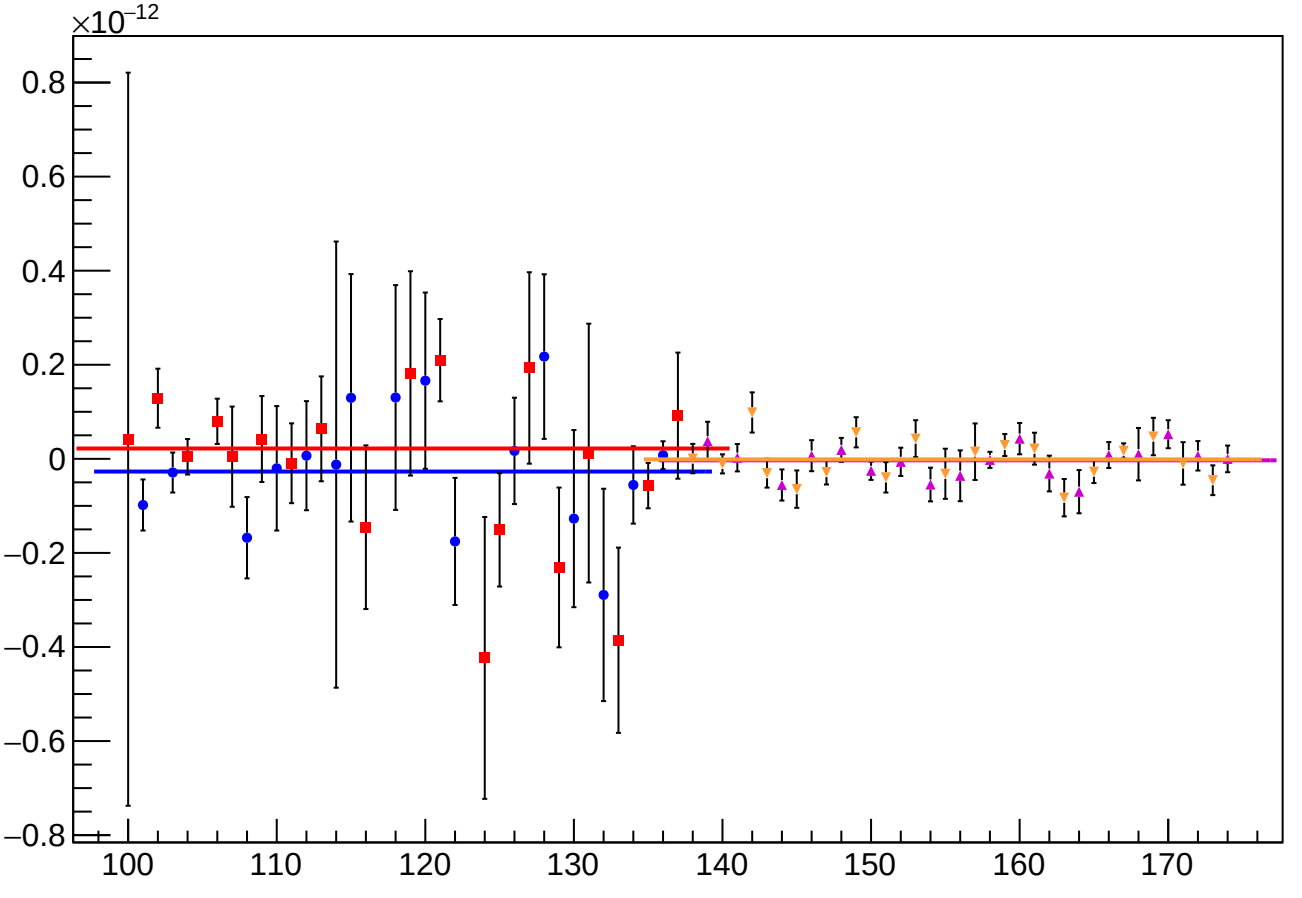
Left: 1929.508+/-0.250 χ^2/NDF: 255508.0/36

Right: 1912.067+/-0.360 χ^2/NDF: 884388.3/34

In: 1928.843+/-0.293 χ^2/NDF:811267.4/33

Out: 1918.972+/-0.288 χ^2/NDF:329633.9/37

All: 1923.832+/-0.205 χ^2/NDF: 1141478.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/18

Left In: -0.000+/-0.000 χ^2/NDF:16.5/17

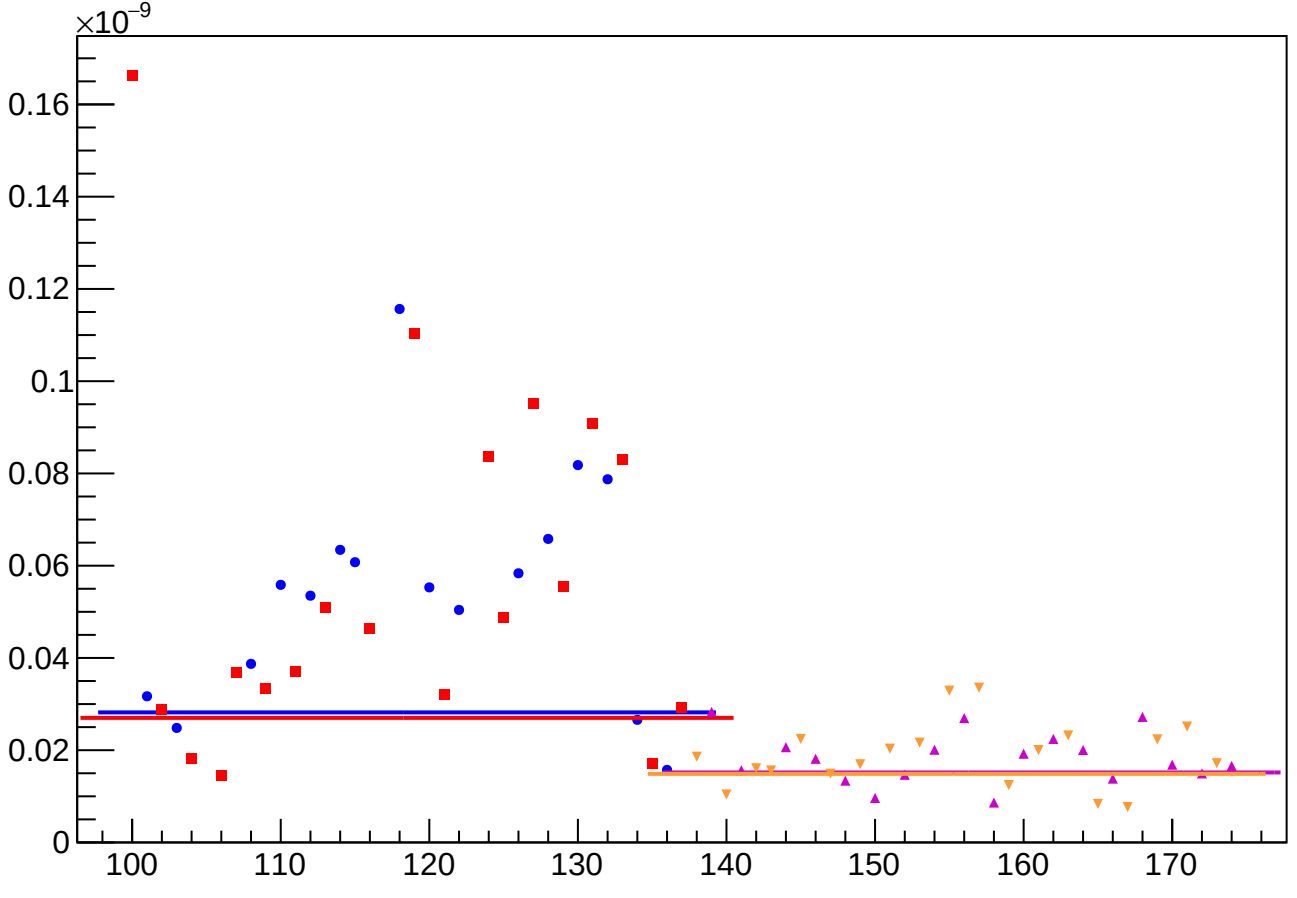
Left: -0.000+/-0.000 χ^2/NDF: 45.3/36

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:30.6/33

Out: 0.000+/-0.000 χ^2/NDF:55.5/37

All: -0.000+/-0.000 χ^2/NDF: 86.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 1490571.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1643930.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1556165.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1103848.1/17

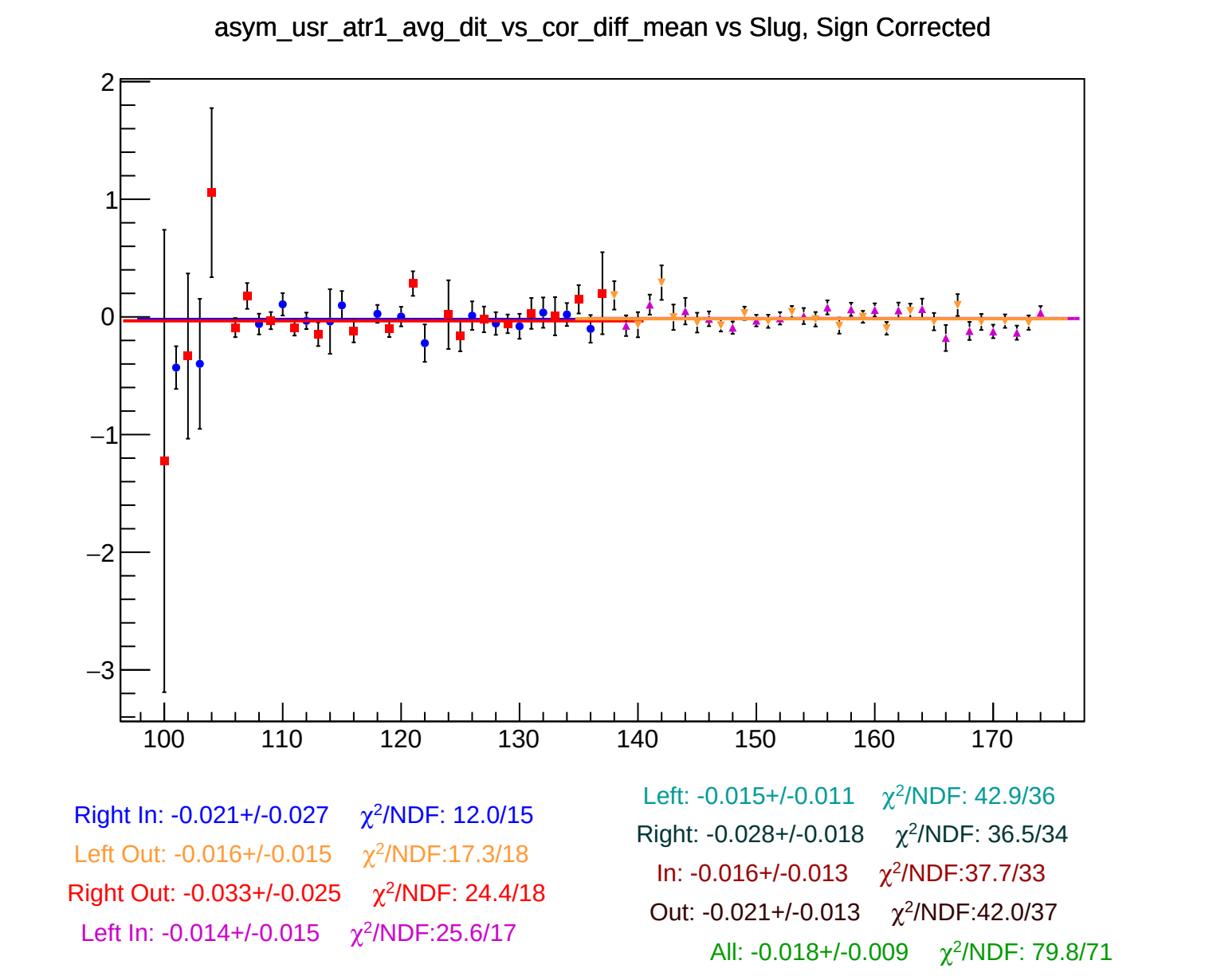
Left: 0.000+/-0.000 χ^2/NDF: 2749683.3/36

Right: 0.000+/-0.000 χ^2/NDF: 3050538.0/34

In: 0.000+/-0.000 χ^2/NDF:3409743.4/33

Out: 0.000+/-0.000 χ^2/NDF:3898391.4/37

All: 0.000+/-0.000 χ^2/NDF: 7313707.7/71


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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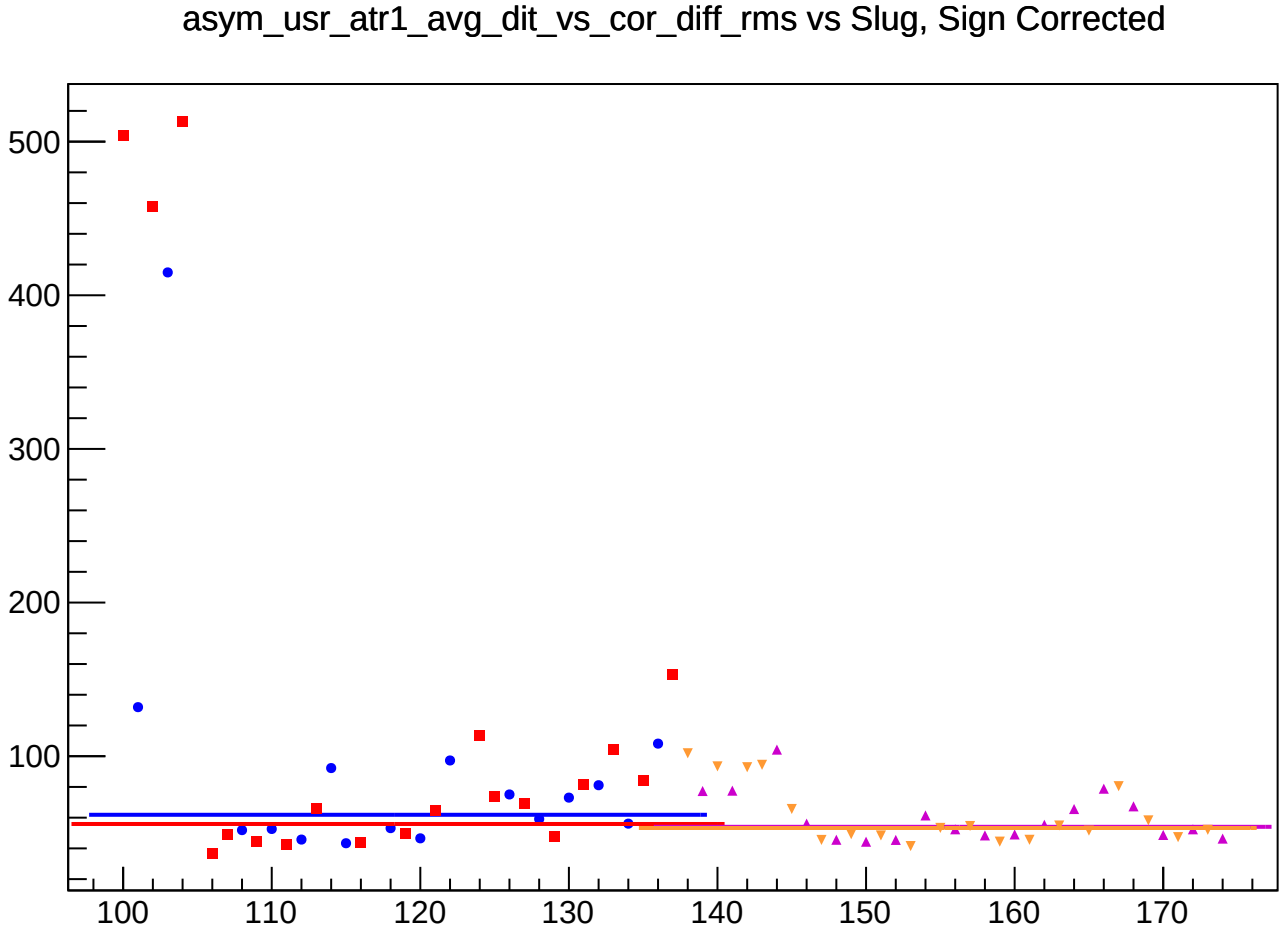
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.016+/-0.015 χ²/NDF:17.3/18
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.014+/-0.015 χ²/NDF:25.6/17
Left: -0.015+/-0.011 χ²/NDF: 42.9/36
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.016+/-0.013 χ²/NDF:37.7/33
Out: -0.021+/-0.013 χ²/NDF:42.0/37
All: -0.018+/-0.009 χ²/NDF: 79.8/71



Right In: 61.876+/-0.019 χ^2/NDF: 1937953.9/15

Left Out: 53.279+/-0.011 χ^2/NDF:1570868.8/18

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.7/17

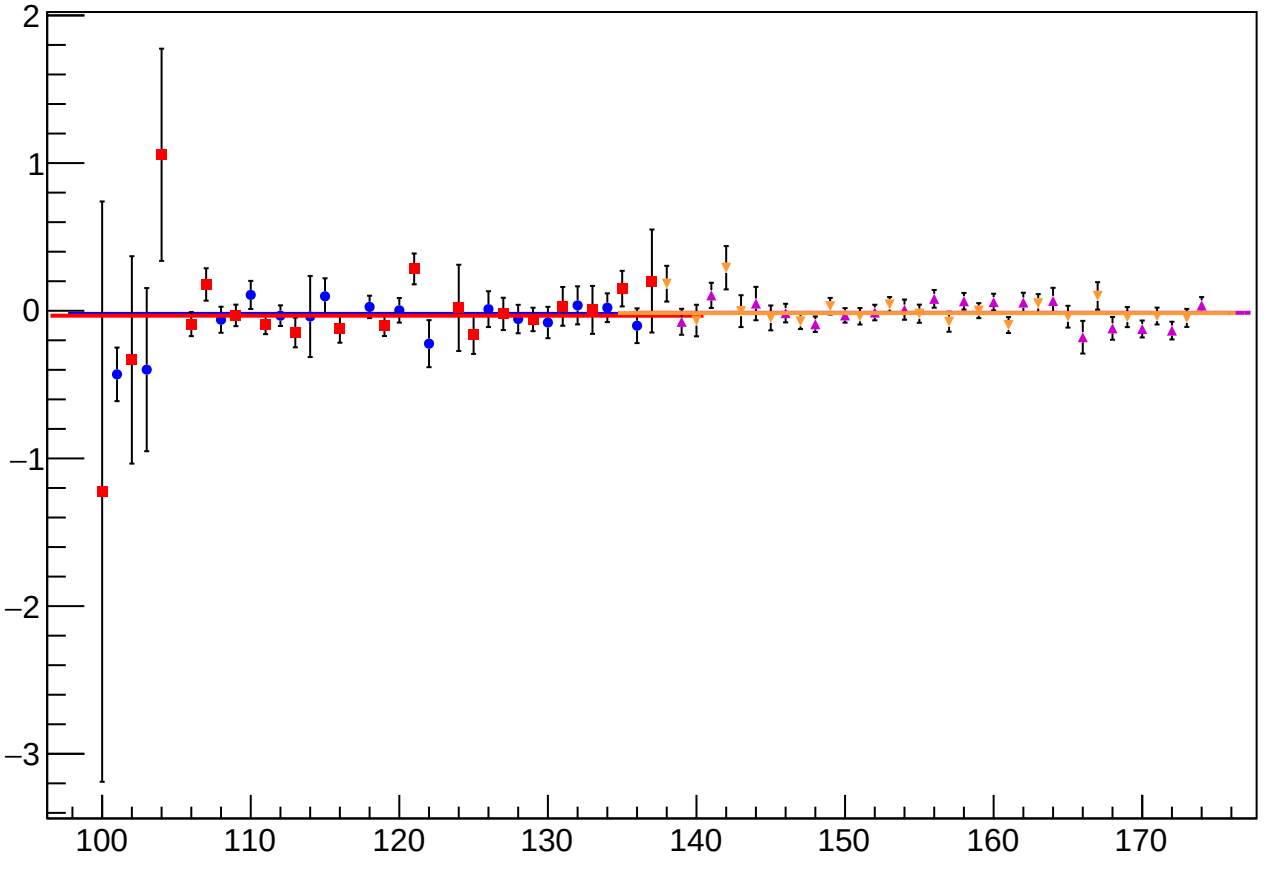
Left: 53.661+/-0.008 χ^2/NDF: 2755381.4/36

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 55.971+/-0.009 χ^2/NDF:3250981.1/33

Out: 53.993+/-0.009 χ^2/NDF:4178492.5/37

All: 54.960+/-0.007 χ^2/NDF: 7452563.7/71



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.016+/-0.015 χ^2/NDF:17.3/18

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.014+/-0.015 χ^2/NDF:25.6/17

Left: -0.015+/-0.011 χ^2/NDF: 42.9/36

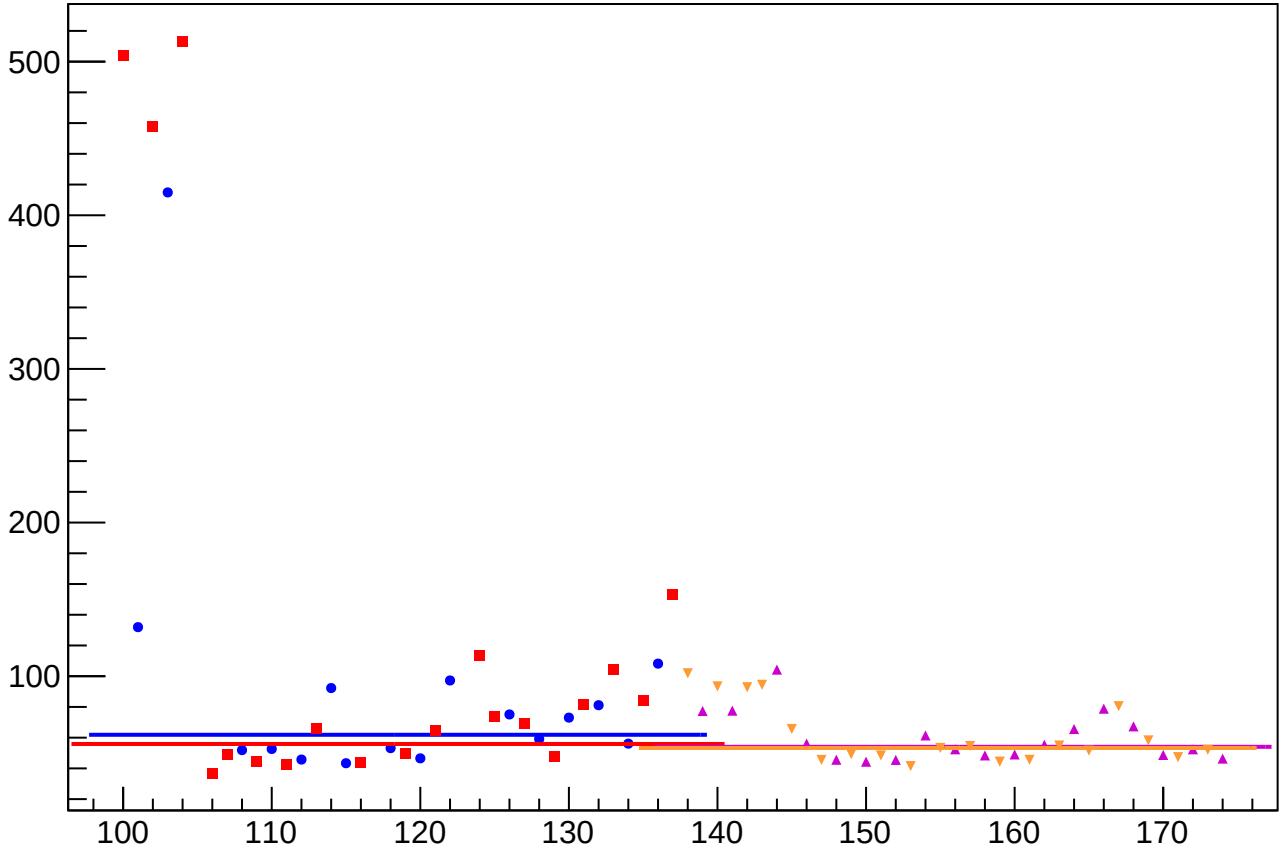
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.016+/-0.013 χ^2/NDF:37.7/33

Out: -0.021+/-0.013 χ^2/NDF:42.0/37

All: -0.018+/-0.009 χ^2/NDF: 79.8/71

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: 53.279+/-0.011 χ^2/NDF:1570868.8/18

Right Out: 55.887+/-0.017 χ^2/NDF: 2591275.8/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.7/17

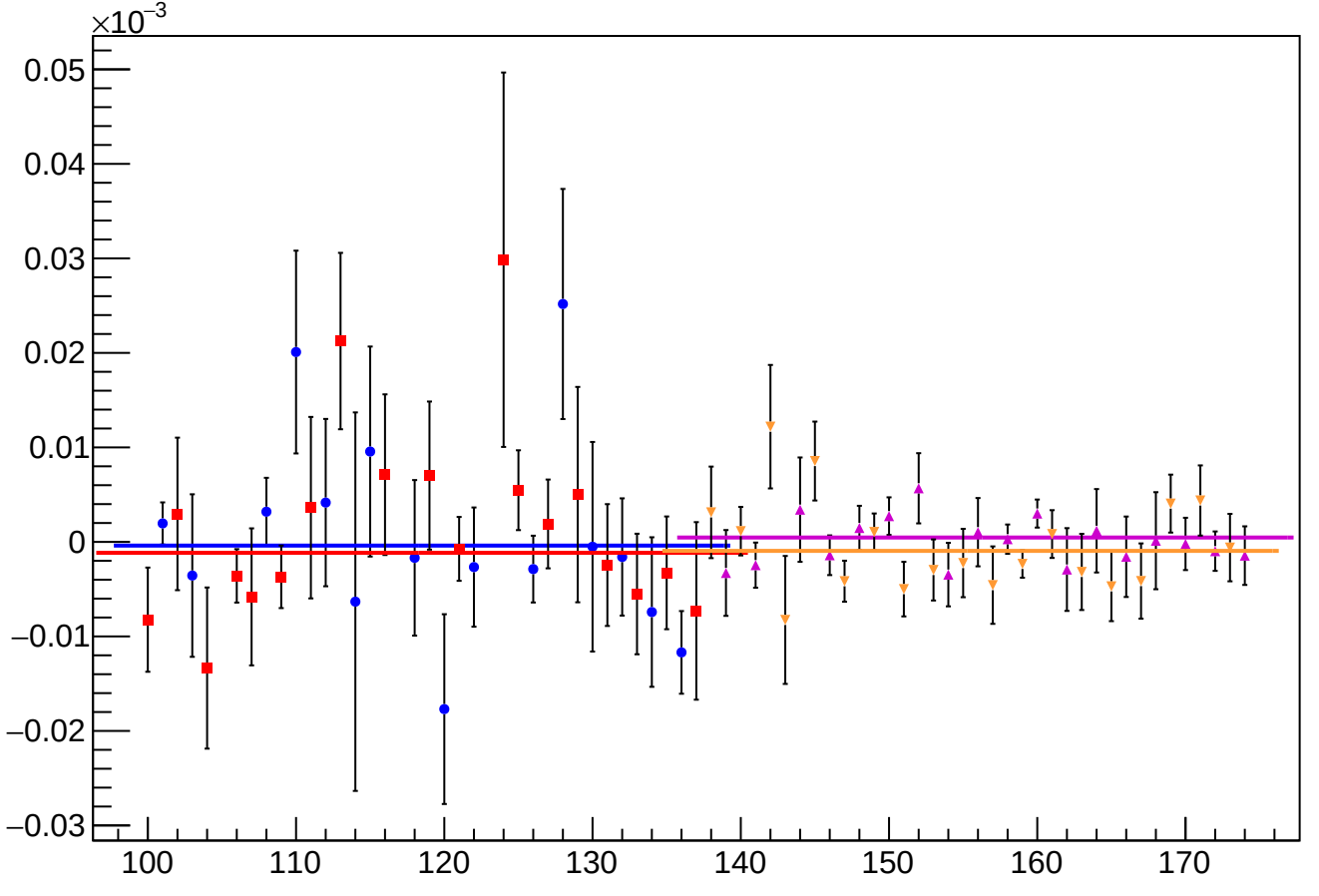
Left: 53.661+/-0.008 χ^2/NDF: 2755381.4/36

Right: 58.651+/-0.013 χ^2/NDF: 4584001.9/34

In: 55.971+/-0.009 χ^2/NDF:3250981.1/33

Out: 53.993+/-0.009 χ^2/NDF:4178492.5/37

All: 54.960+/-0.007 χ^2/NDF: 7452563.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.4/18

Left In: 0.000+/-0.000 χ^2/NDF:12.8/17

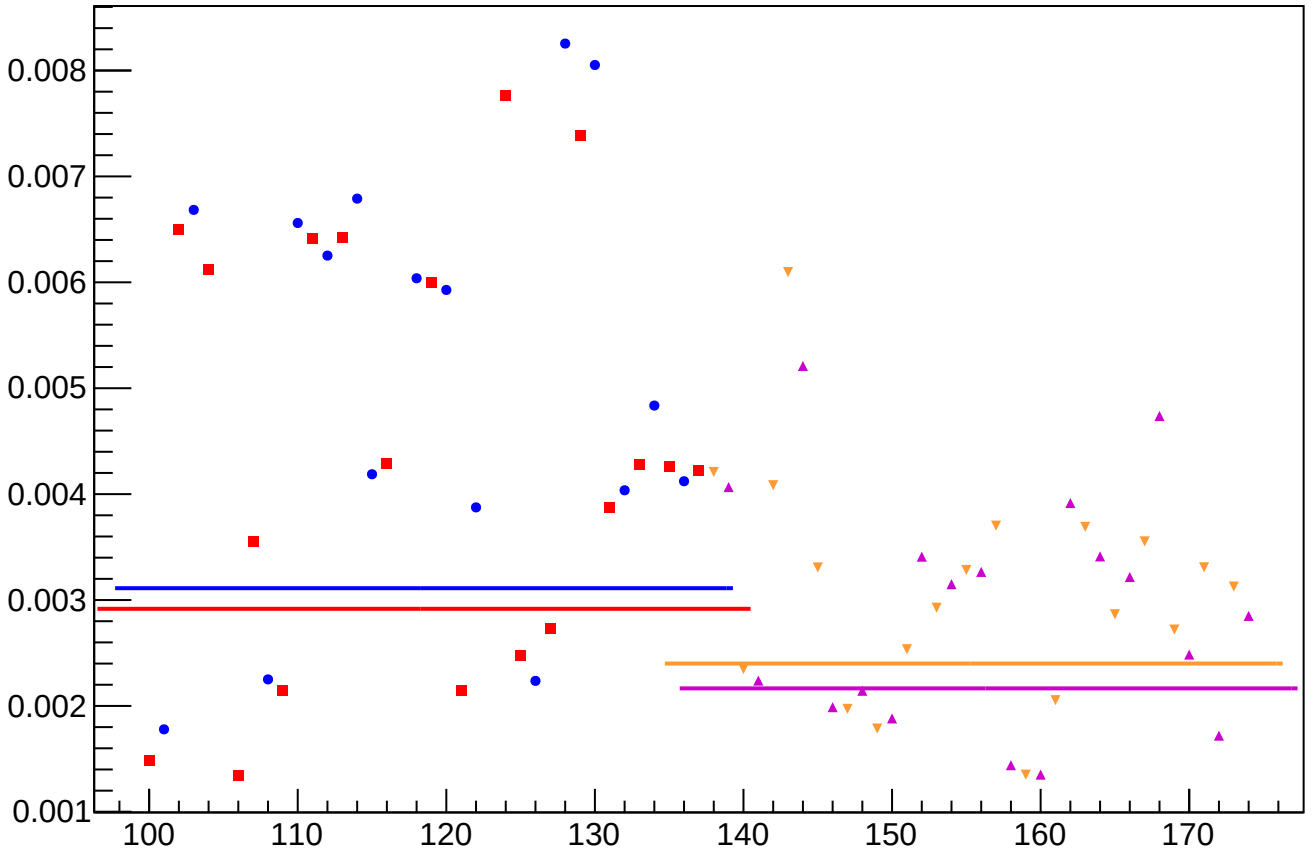
Left: -0.000+/-0.000 χ^2/NDF: 41.6/36

Right: -0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:35.7/33

Out: -0.000+/-0.000 χ^2/NDF:46.8/37

All: -0.000+/-0.000 χ^2/NDF: 85.2/71



Right In: 0.003+/-0.000 χ^2/NDF: 3283915.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:3455071.4/18

Right Out: 0.003+/-0.000 χ^2/NDF: 3295506.1/18

Left In: 0.002+/-0.000 χ^2/NDF:3955965.8/17

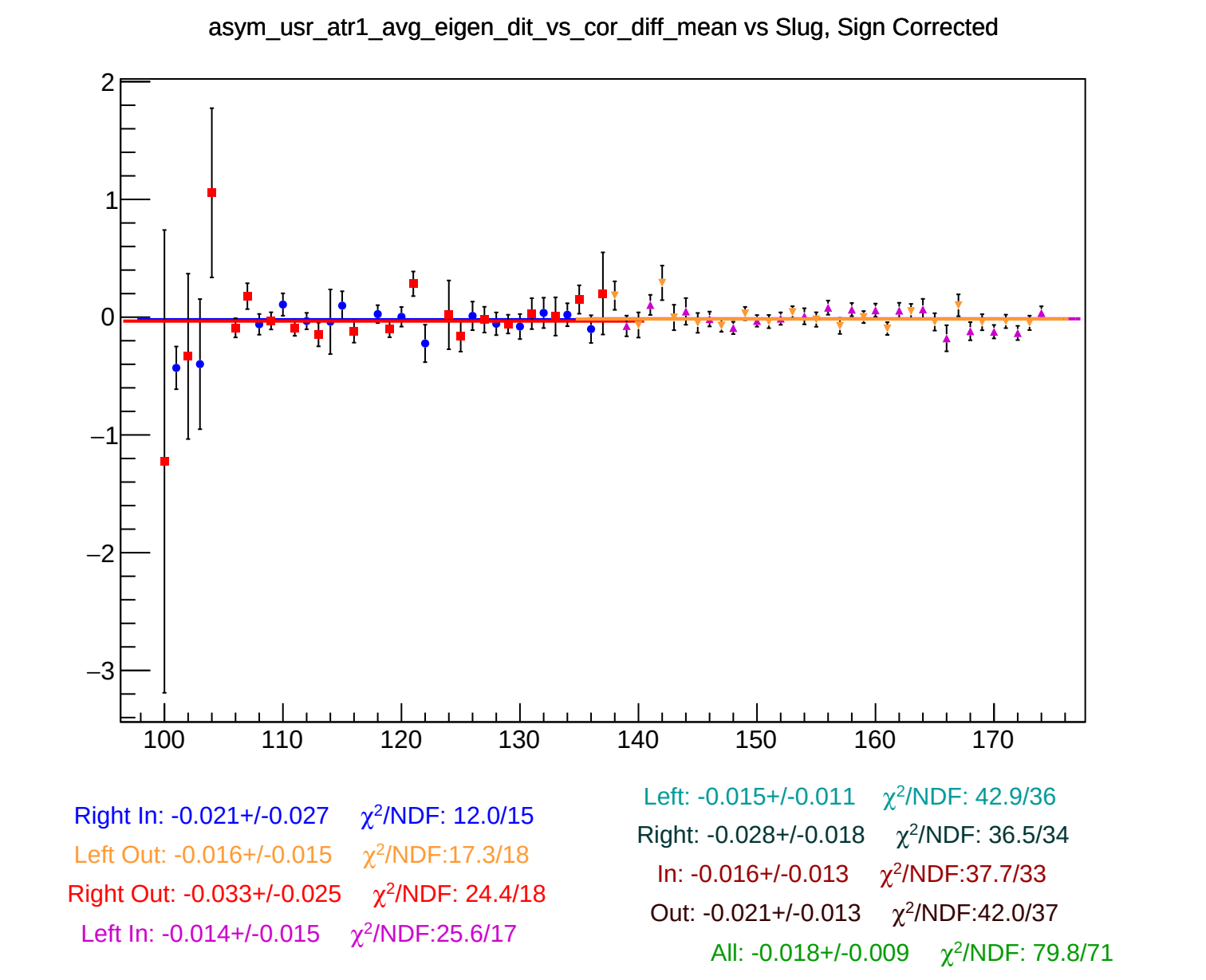
Left: 0.002+/-0.000 χ^2/NDF: 7544230.2/36

Right: 0.003+/-0.000 χ^2/NDF: 6602078.2/34

In: 0.002+/-0.000 χ^2/NDF:8074187.6/33

Out: 0.003+/-0.000 χ^2/NDF:7014594.1/37

All: 0.002+/-0.000 χ^2/NDF: 15194085.6/71


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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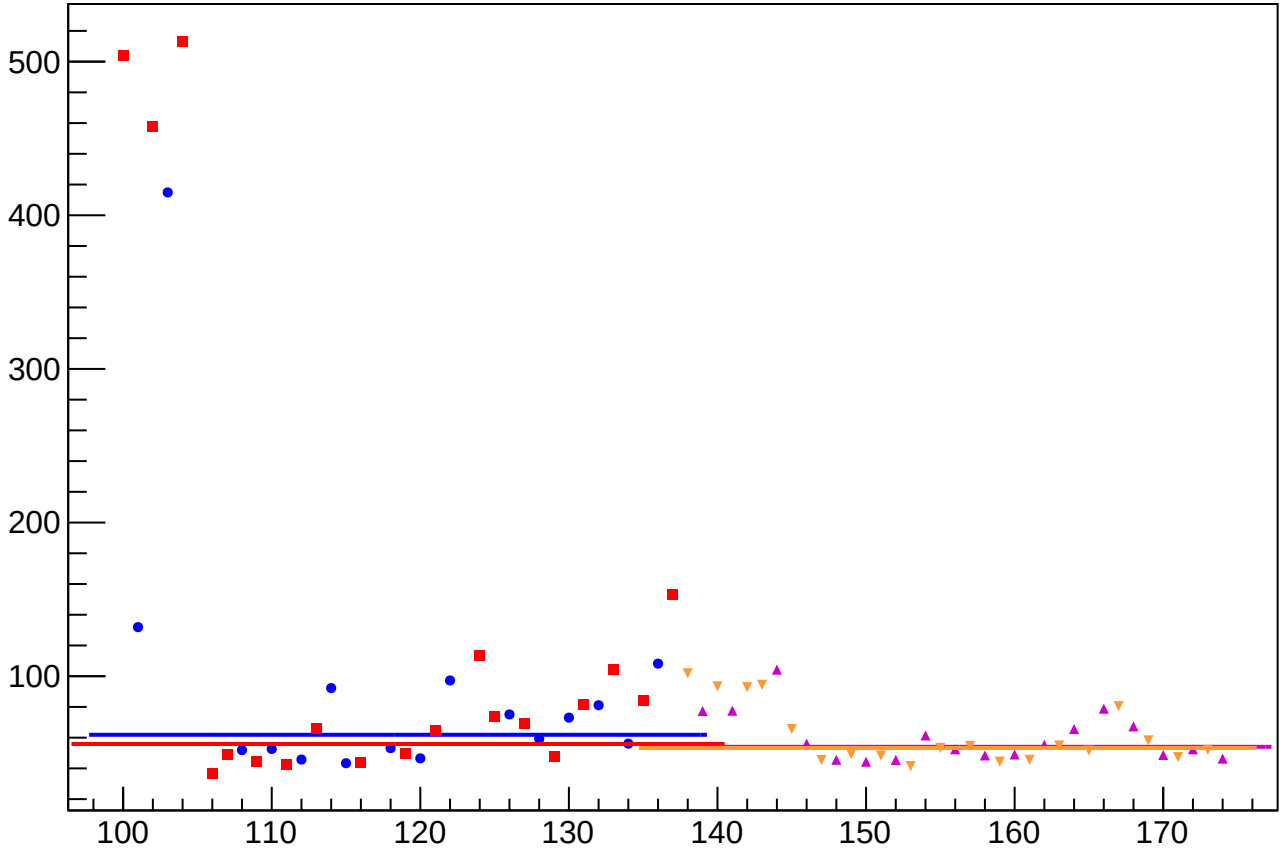
160
170
Right In: -0.021+/-0.027 χ²/NDF: 12.0/15
Left Out: -0.016+/-0.015 χ²/NDF:17.3/18
Right Out: -0.033+/-0.025 χ²/NDF: 24.4/18
Left In: -0.014+/-0.015 χ²/NDF:25.6/17
Left: -0.015+/-0.011 χ²/NDF: 42.9/36
Right: -0.028+/-0.018 χ²/NDF: 36.5/34
In: -0.016+/-0.013 χ²/NDF:37.7/33
Out: -0.021+/-0.013 χ²/NDF:42.0/37
All: -0.018+/-0.009 χ²/NDF: 79.8/71

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.279+/-0.011 χ^2/NDF:1570909.1/18

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

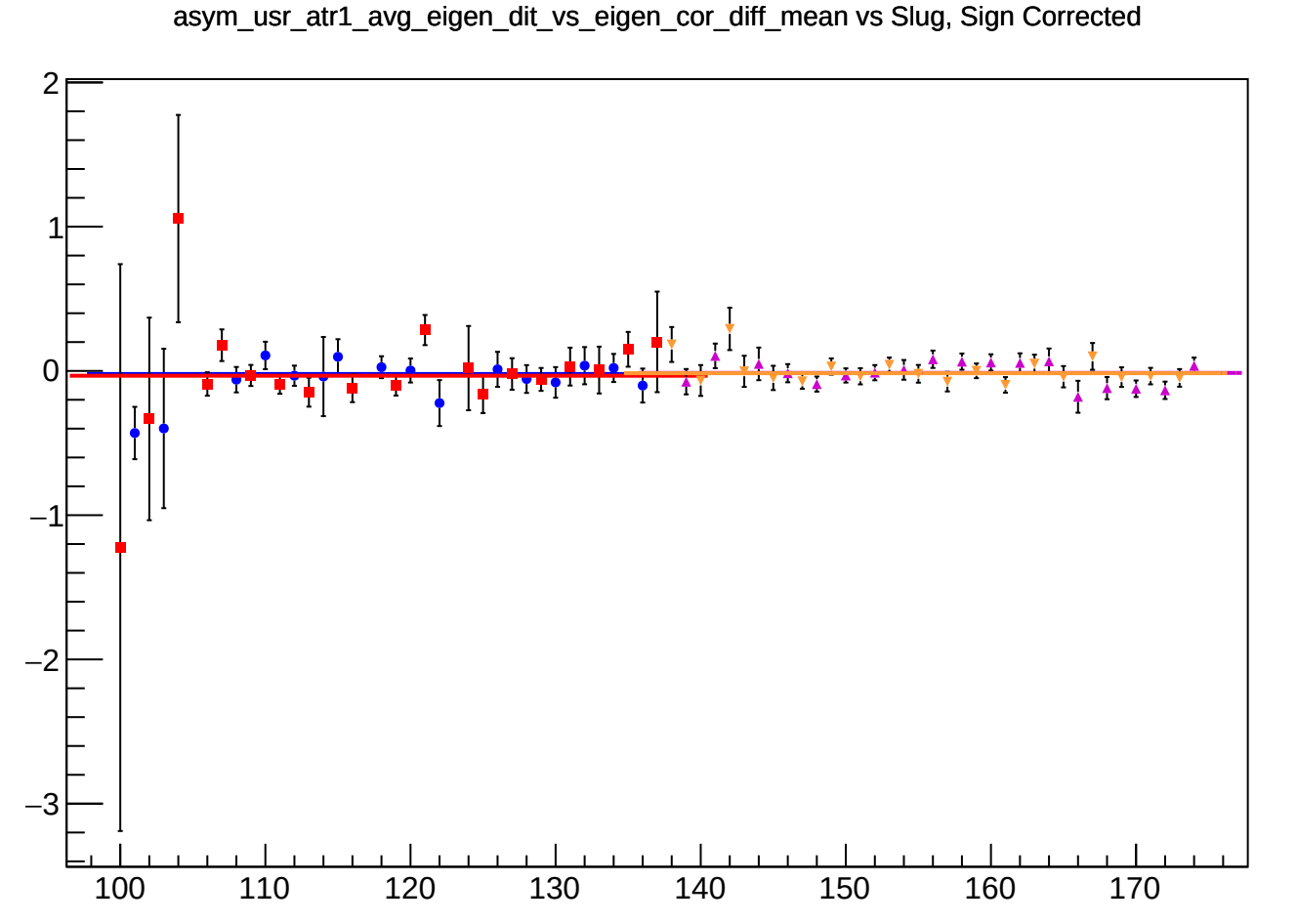
Left: 53.661+/-0.008 χ^2/NDF: 2755421.5/36

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 55.971+/-0.009 χ^2/NDF:3250906.0/33

Out: 53.993+/-0.009 χ^2/NDF:4178480.1/37

All: 54.960+/-0.007 χ^2/NDF: 7452479.5/71



Right In: -0.021+/-0.027 χ^2/NDF: 12.0/15

Left Out: -0.016+/-0.015 χ^2/NDF:17.3/18

Right Out: -0.033+/-0.025 χ^2/NDF: 24.4/18

Left In: -0.014+/-0.015 χ^2/NDF:25.6/17

Left: -0.015+/-0.011 χ^2/NDF: 42.9/36

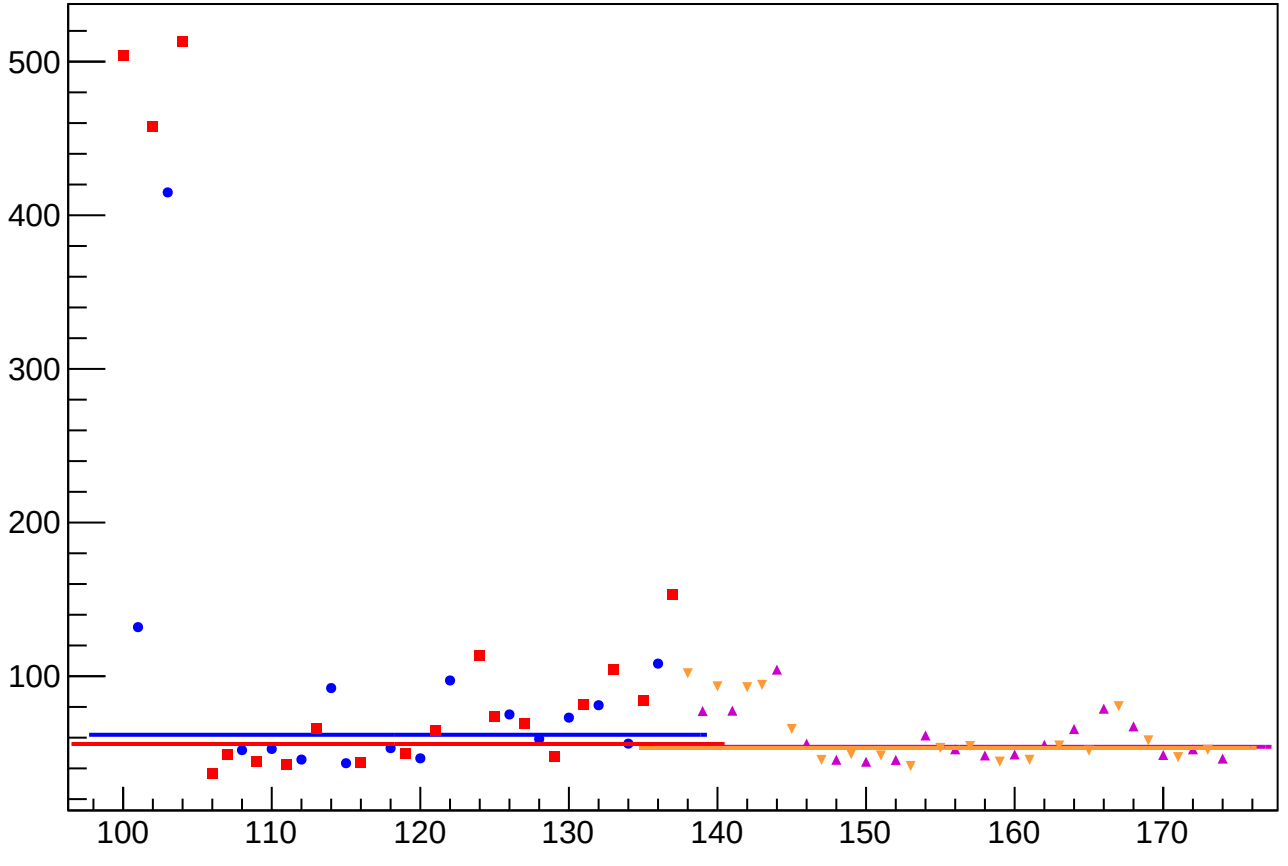
Right: -0.028+/-0.018 χ^2/NDF: 36.5/34

In: -0.016+/-0.013 χ^2/NDF:37.7/33

Out: -0.021+/-0.013 χ^2/NDF:42.0/37

All: -0.018+/-0.009 χ^2/NDF: 79.8/71

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.875+/-0.019 χ^2/NDF: 1937904.4/15

Left Out: 53.279+/-0.011 χ^2/NDF:1570909.1/18

Right Out: 55.886+/-0.017 χ^2/NDF: 2591233.7/18

Left In: 54.047+/-0.011 χ^2/NDF:1181933.1/17

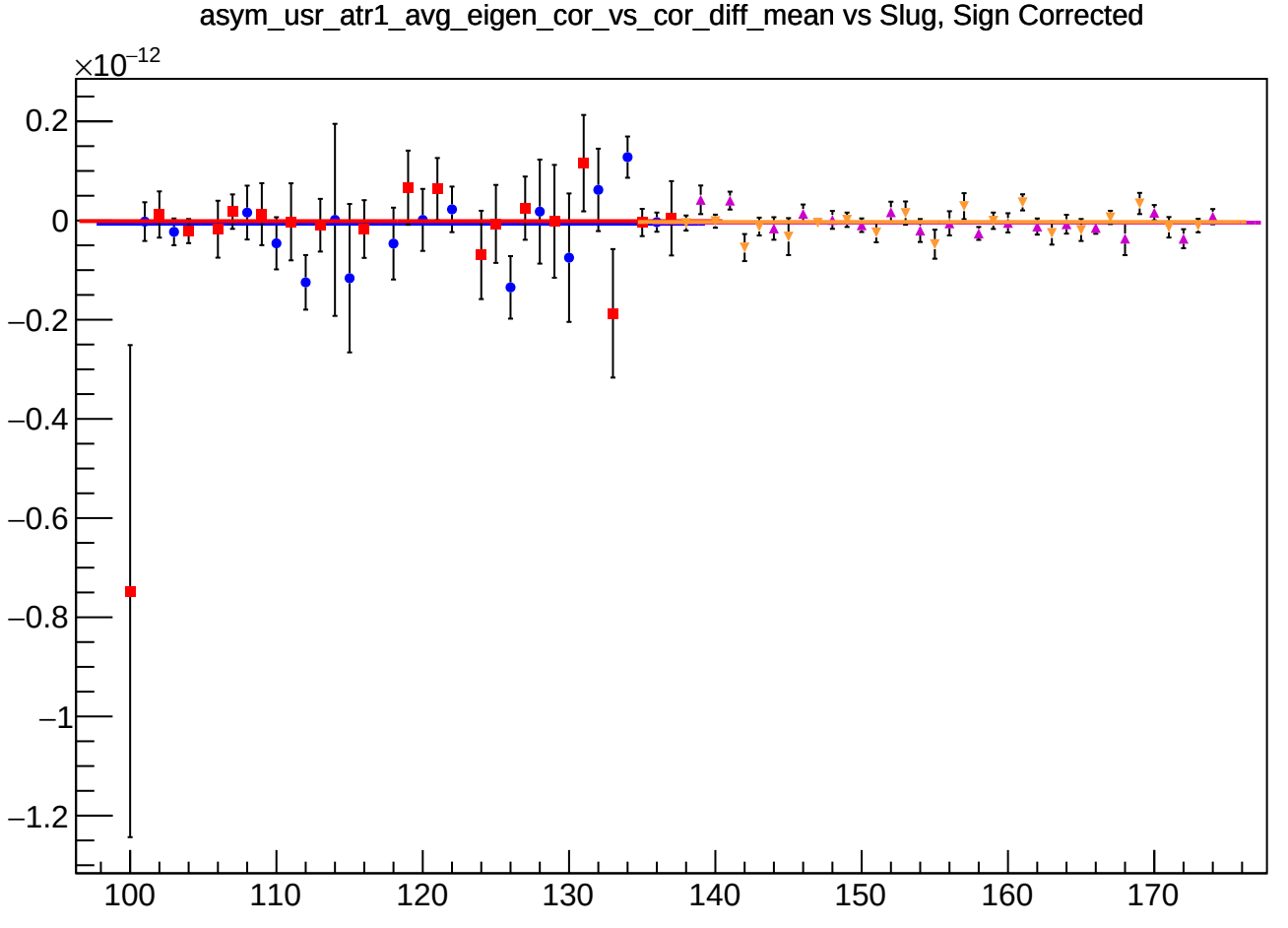
Left: 53.661+/-0.008 χ^2/NDF: 2755421.5/36

Right: 58.650+/-0.013 χ^2/NDF: 4583914.2/34

In: 55.971+/-0.009 χ^2/NDF:3250906.0/33

Out: 53.993+/-0.009 χ^2/NDF:4178480.1/37

All: 54.960+/-0.007 χ^2/NDF: 7452479.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 9.7/18

Left In: -0.000+/-0.000 χ^2/NDF:21.4/17

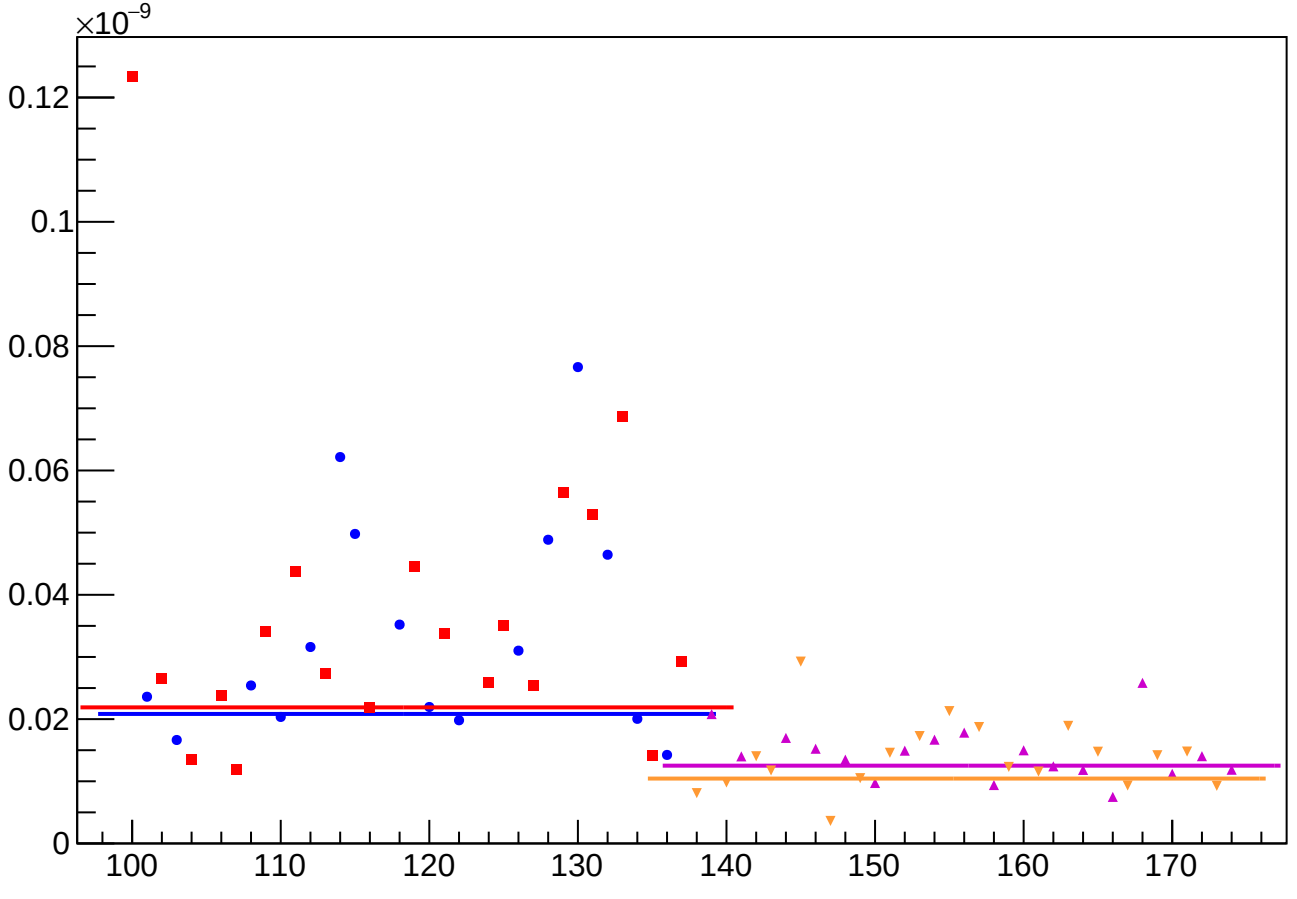
Left: -0.000+/-0.000 χ^2/NDF: 43.1/36

Right: -0.000+/-0.000 χ^2/NDF: 32.4/34

In: -0.000+/-0.000 χ^2/NDF:44.0/33

Out: -0.000+/-0.000 χ^2/NDF:31.4/37

All: -0.000+/-0.000 χ^2/NDF: 75.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 1384606.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:3227103.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1906656.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1422879.5/17

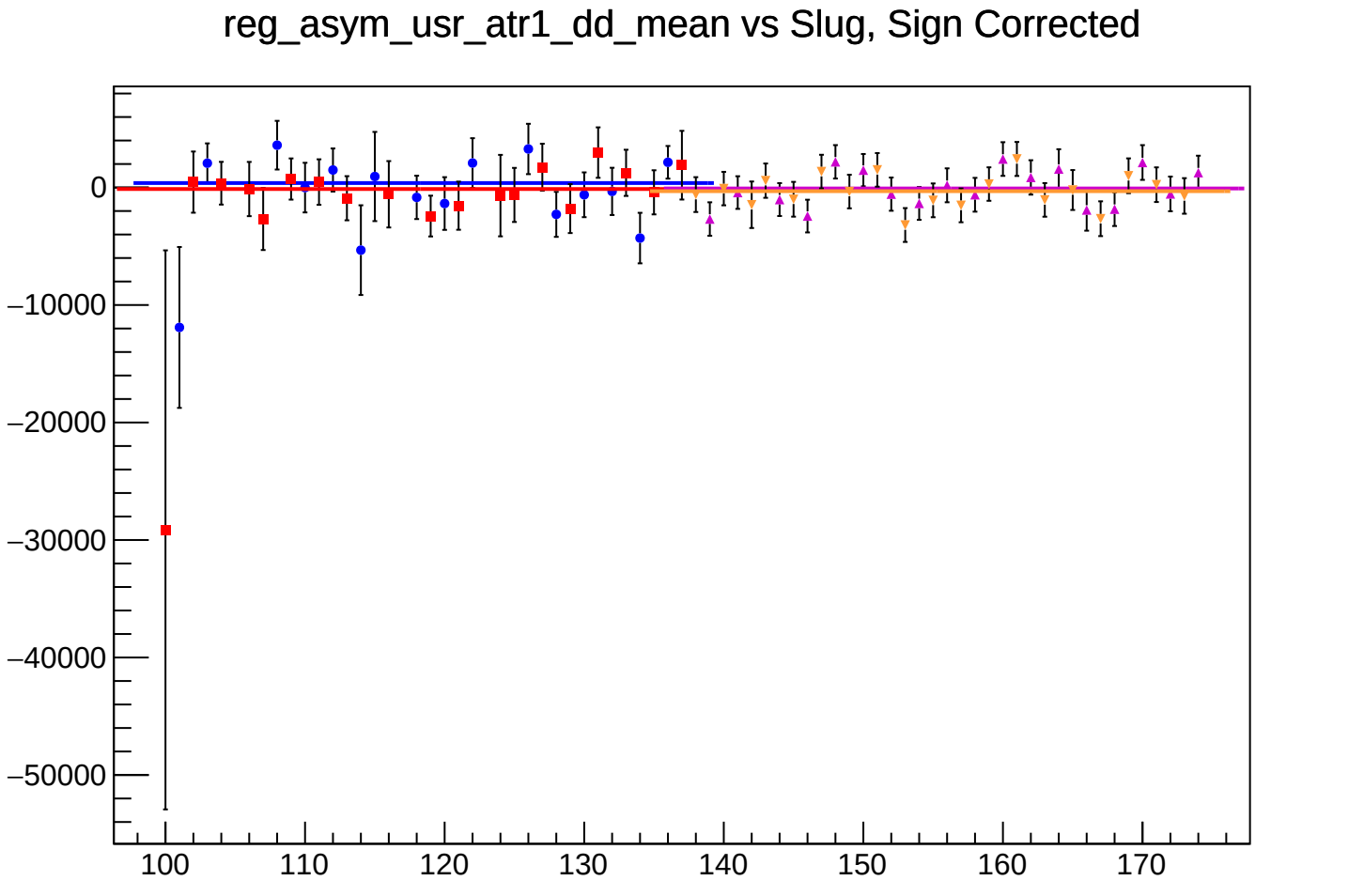
Left: 0.000+/-0.000 χ^2/NDF: 4918062.7/36

Right: 0.000+/-0.000 χ^2/NDF: 3299556.5/34

In: 0.000+/-0.000 χ^2/NDF:3763501.7/33

Out: 0.000+/-0.000 χ^2/NDF:6812246.8/37

All: 0.000+/-0.000 χ^2/NDF: 10855421.4/71



Right In: 381.403+/-517.789 χ^2/NDF: 21.5/15

Left Out: -310.669+/-339.838 χ^2/NDF:16.5/18

Right Out: -127.929+/-500.988 χ^2/NDF: 10.0/18

Left In: -81.454+/-341.984 χ^2/NDF:21.9/17

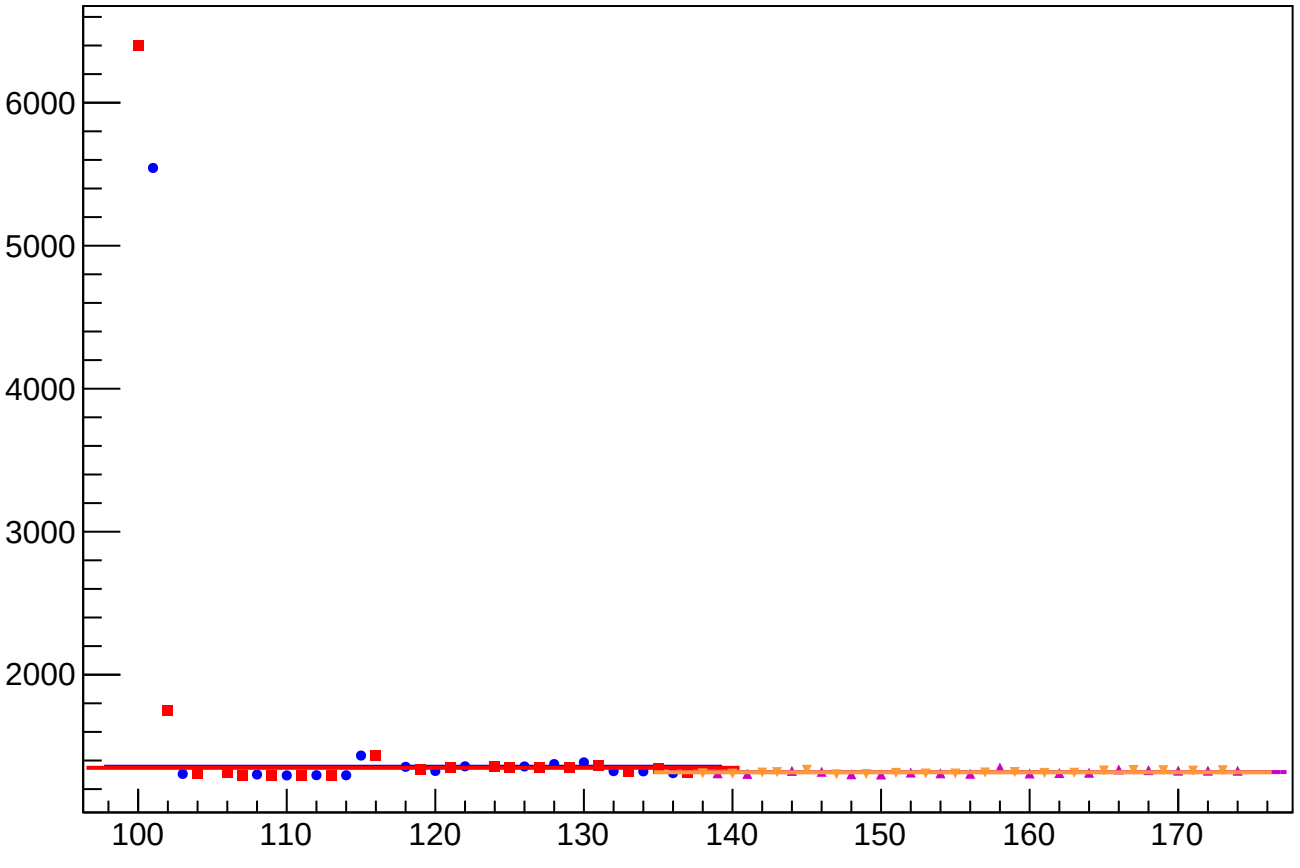
Left: -196.783+/-241.057 χ^2/NDF: 38.6/36

Right: 118.340+/-360.045 χ^2/NDF: 32.0/34

In: 59.129+/-285.362 χ^2/NDF:44.0/33

Out: -253.081+/-281.239 χ^2/NDF:26.6/37

All: -99.248+/-200.308 χ^2/NDF: 71.1/71



Right In: 1356.397+/-0.366 χ^2/NDF: 760266.3/15

Left Out: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1348.975+/-0.354 χ^2/NDF: 147265.6/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

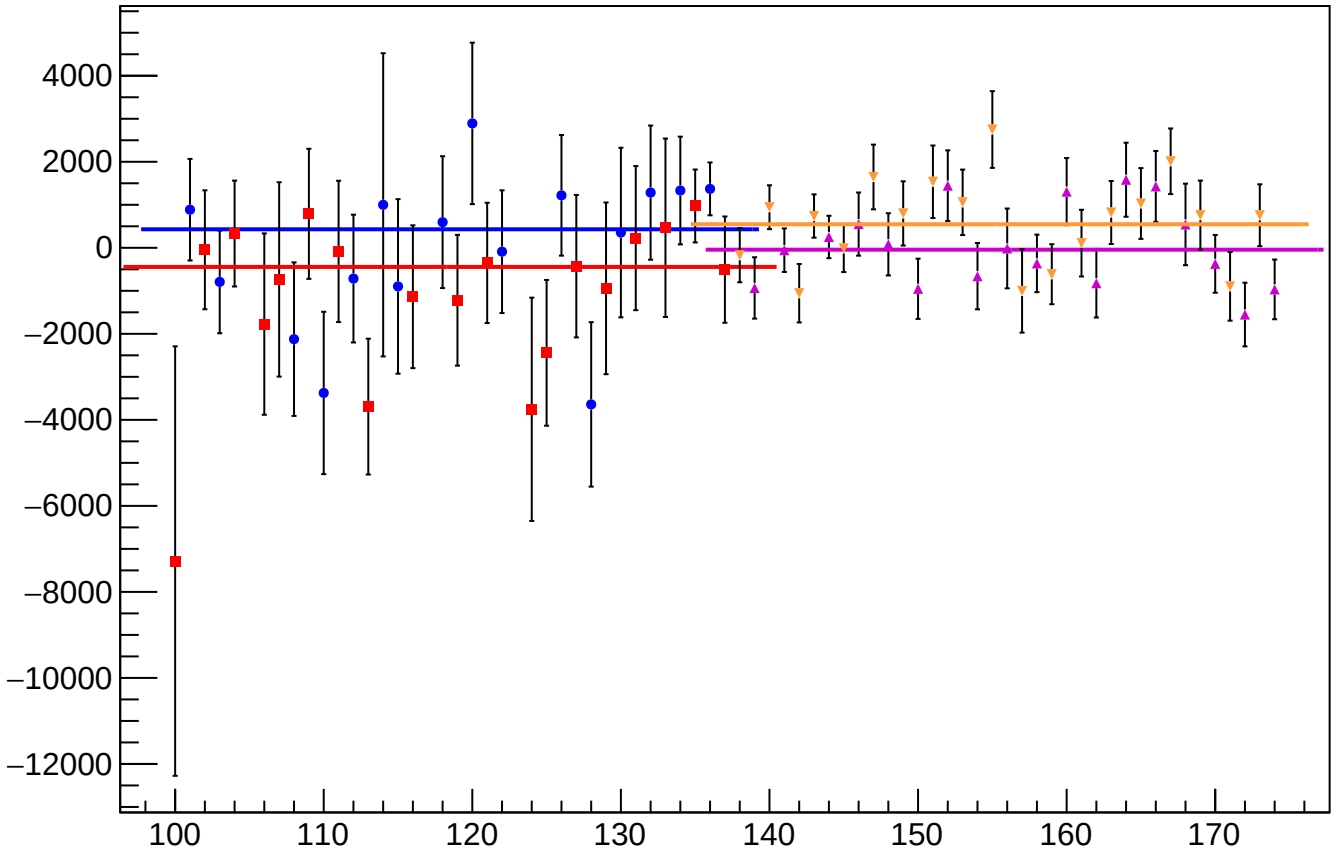
Left: 1318.469+/-0.170 χ^2/NDF: 4635.6/36

Right: 1352.564+/-0.255 χ^2/NDF: 907744.1/34

In: 1330.539+/-0.202 χ^2/NDF:770278.6/33

Out: 1327.547+/-0.199 χ^2/NDF:154373.3/37

All: 1329.021+/-0.142 χ^2/NDF: 924763.5/71



Right In: 430.363+/-338.459 χ^2/NDF: 18.2/15

Left Out: 547.798+/-160.907 χ^2/NDF:32.1/18

Right Out: -444.555+/-355.594 χ^2/NDF: 14.4/18

Left In: -43.517+/-167.535 χ^2/NDF:25.7/17

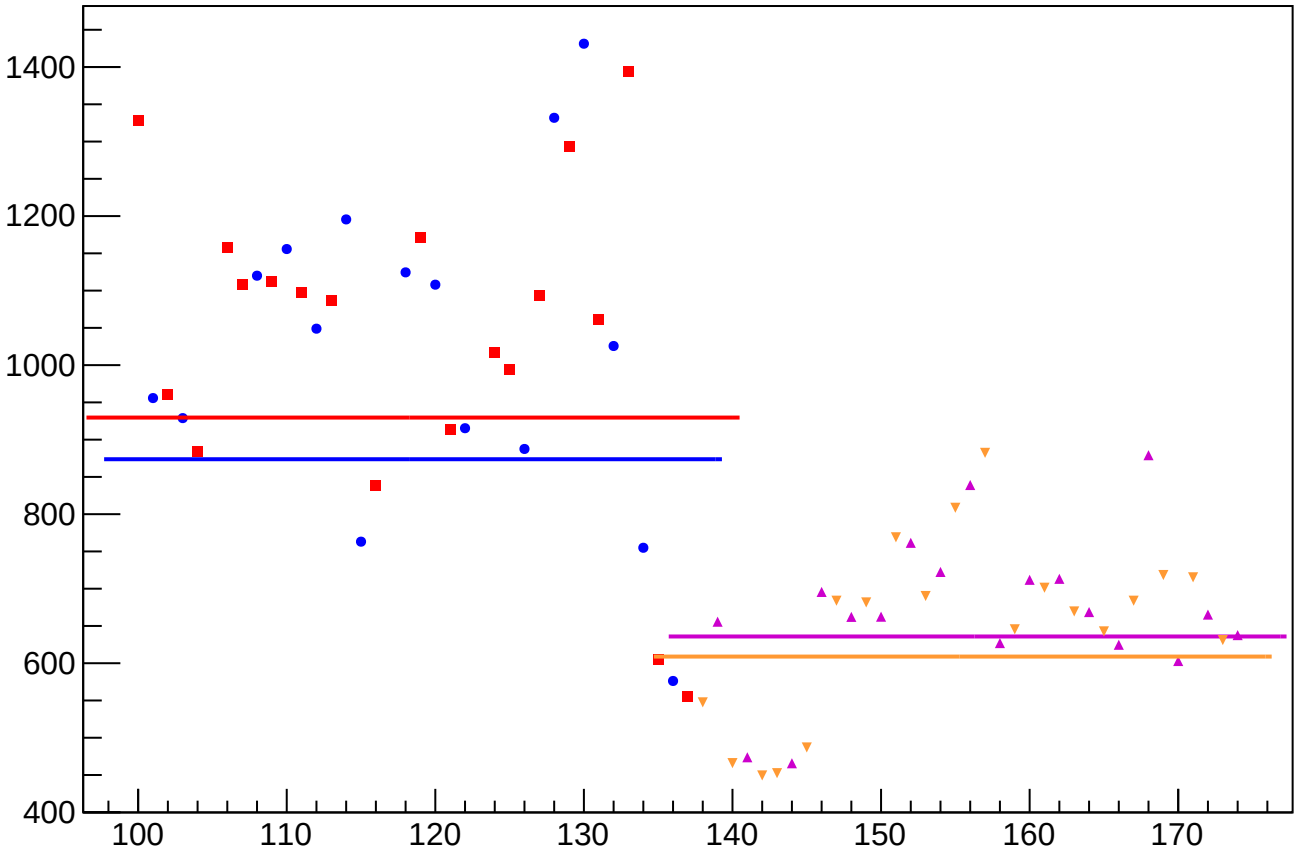
Left: 264.070+/-116.051 χ^2/NDF: 64.2/36

Right: 14.491+/-245.161 χ^2/NDF: 35.8/34

In: 49.742+/-150.148 χ^2/NDF:45.5/33

Out: 379.141+/-146.597 χ^2/NDF:52.9/37

All: 218.382+/-104.892 χ^2/NDF: 100.9/71



Right In: 873.733+/-0.239 χ^2/NDF: 1014860.8/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115451.5/18

Right Out: 929.637+/-0.251 χ^2/NDF: 859936.0/18

Left In: 635.886+/-0.118 χ^2/NDF:812670.7/17

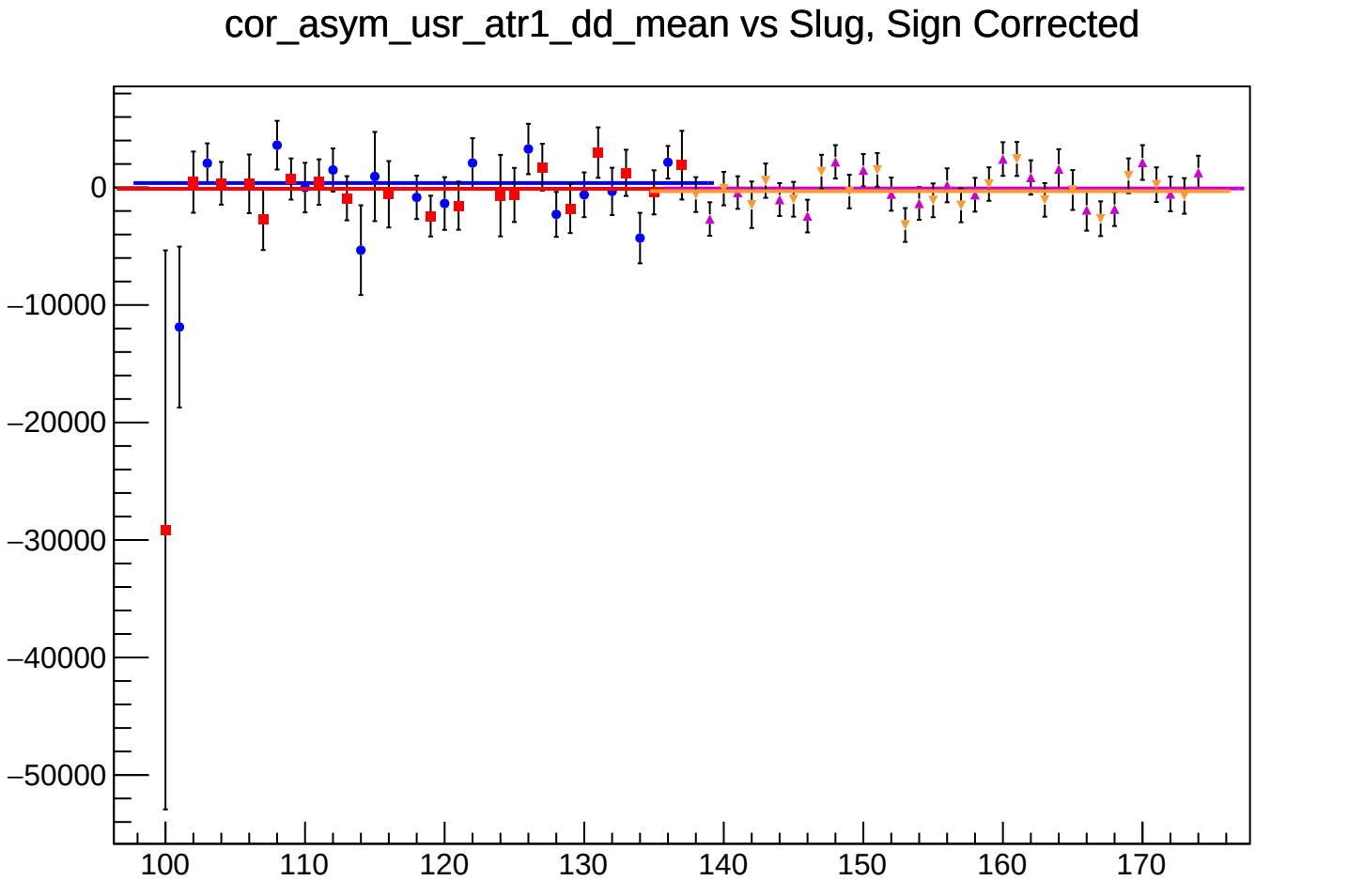
Left: 621.857+/-0.082 χ^2/NDF: 1955081.2/36

Right: 900.305+/-0.173 χ^2/NDF: 1900732.3/34

In: 682.694+/-0.106 χ^2/NDF:2620830.1/33

Out: 663.425+/-0.104 χ^2/NDF:3325824.0/37

All: 672.829+/-0.074 χ^2/NDF: 5963517.4/71



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -310.690+/-339.838 χ^2/NDF:16.5/18

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -81.497+/-341.984 χ^2/NDF:21.9/17

Left: -196.815+/-241.057 χ^2/NDF: 38.6/36

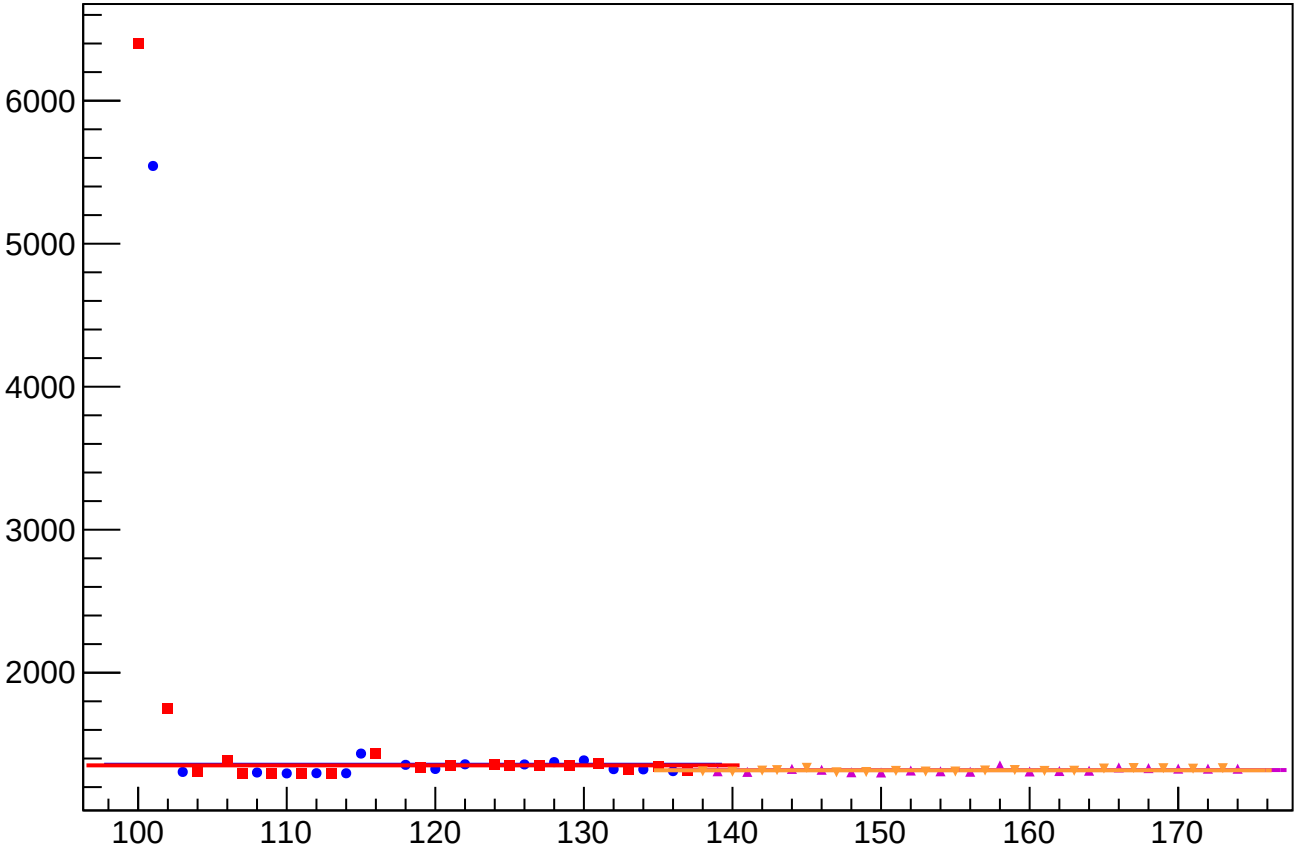
Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 59.193+/-285.362 χ^2/NDF:43.9/33

Out: -247.829+/-281.540 χ^2/NDF:26.6/37

All: -96.388+/-200.416 χ^2/NDF: 71.1/71

cor_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

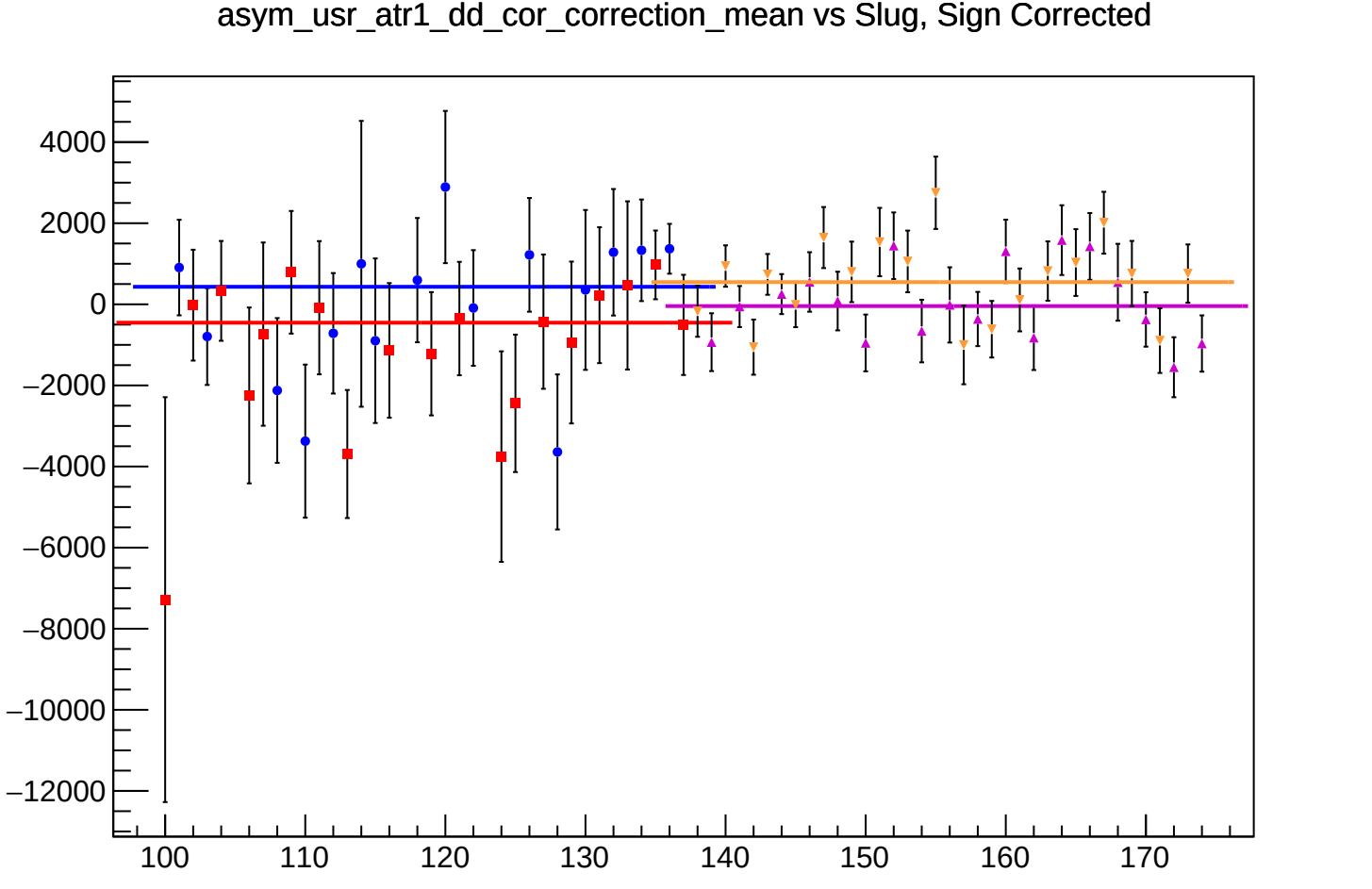
Left: 1318.469+/-0.170 χ^2/NDF: 4635.6/36

Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.202 χ^2/NDF:770277.6/33

Out: 1328.476+/-0.199 χ^2/NDF:155518.5/37

All: 1329.494+/-0.142 χ^2/NDF: 925849.1/71


asym_usr_atr1_dd_cor_correction_mean vs Slug, Sign Corrected
4000
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−10000
−12000
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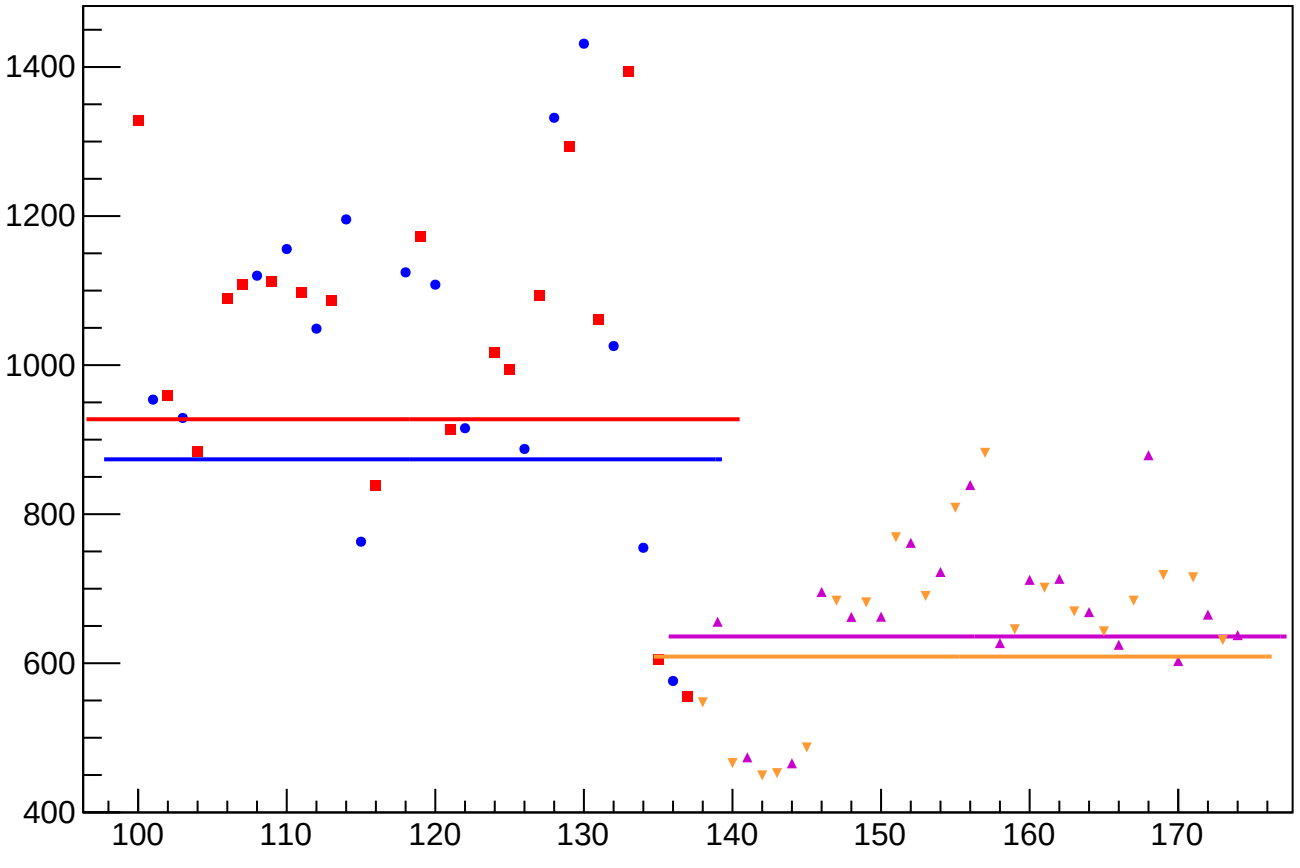
140
150
160
170
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 547.782+/-160.906 χ²/NDF:32.1/18
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -43.517+/-167.534 χ²/NDF:25.7/17
Left: 264.059+/-116.050 χ²/NDF: 64.3/36
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 50.115+/-150.142 χ²/NDF:45.5/33
Out: 377.689+/-146.597 χ²/NDF:53.3/37
All: 217.815+/-104.890 χ²/NDF: 101.3/71



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115371.4/18

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

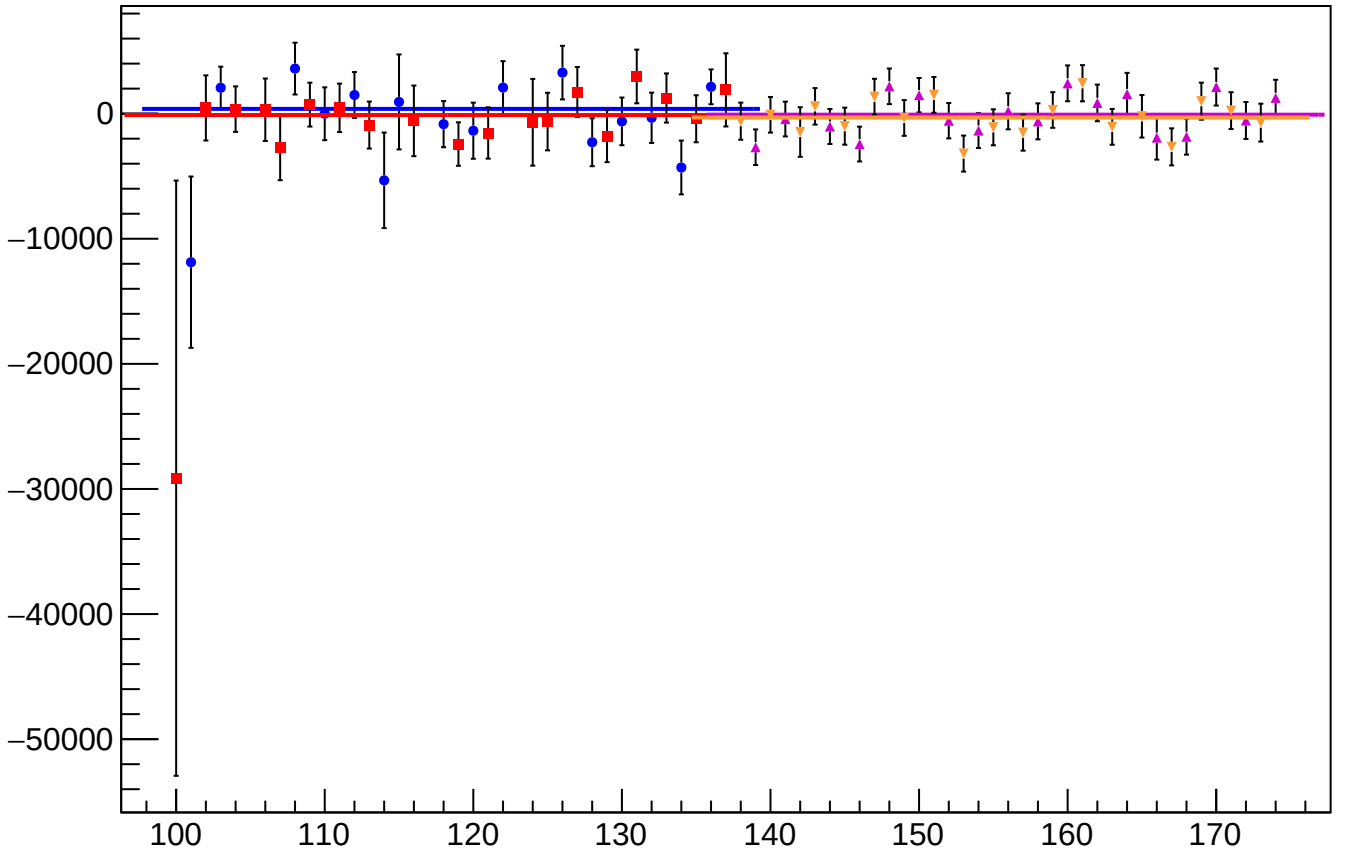
Left: 621.854+/-0.082 χ^2/NDF: 1955054.5/36

Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 682.676+/-0.106 χ^2/NDF:2619848.7/33

Out: 663.045+/-0.104 χ^2/NDF:3294449.0/37

All: 672.626+/-0.074 χ^2/NDF: 5931802.8/71



Right In: 381.712+/-517.789 χ^2/NDF: 21.5/15

Left Out: -310.690+/-339.838 χ^2/NDF:16.5/18

Right Out: -110.280+/-502.698 χ^2/NDF: 10.0/18

Left In: -81.497+/-341.984 χ^2/NDF:21.9/17

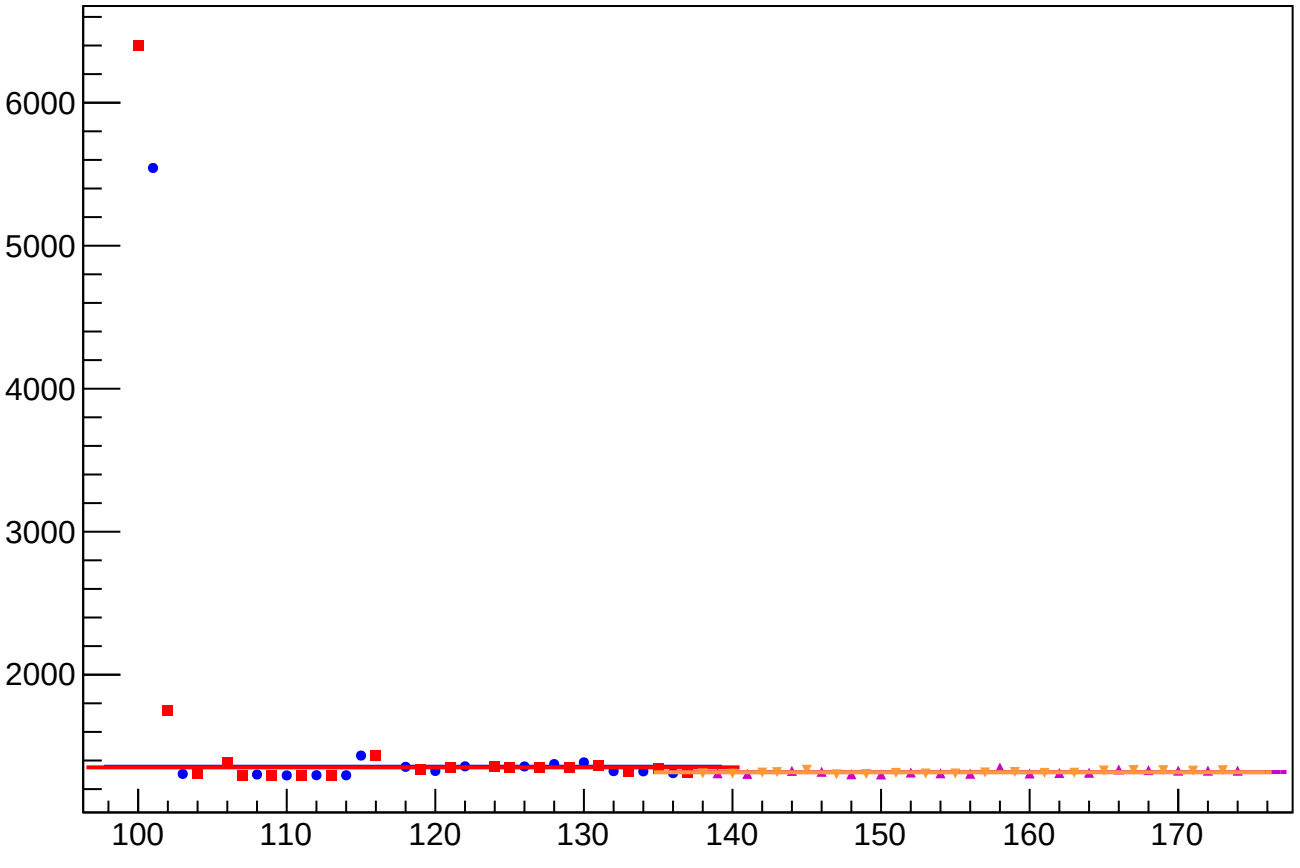
Left: -196.815+/-241.057 χ^2/NDF: 38.6/36

Right: 128.442+/-360.678 χ^2/NDF: 32.0/34

In: 59.193+/-285.362 χ^2/NDF:43.9/33

Out: -247.829+/-281.540 χ^2/NDF:26.6/37

All: -96.388+/-200.416 χ^2/NDF: 71.1/71



Right In: 1356.397+/-0.366 χ^2/NDF: 760265.4/15

Left Out: 1317.687+/-0.240 χ^2/NDF:1765.5/18

Right Out: 1352.083+/-0.355 χ^2/NDF: 147326.5/18

Left In: 1319.260+/-0.242 χ^2/NDF:2848.8/17

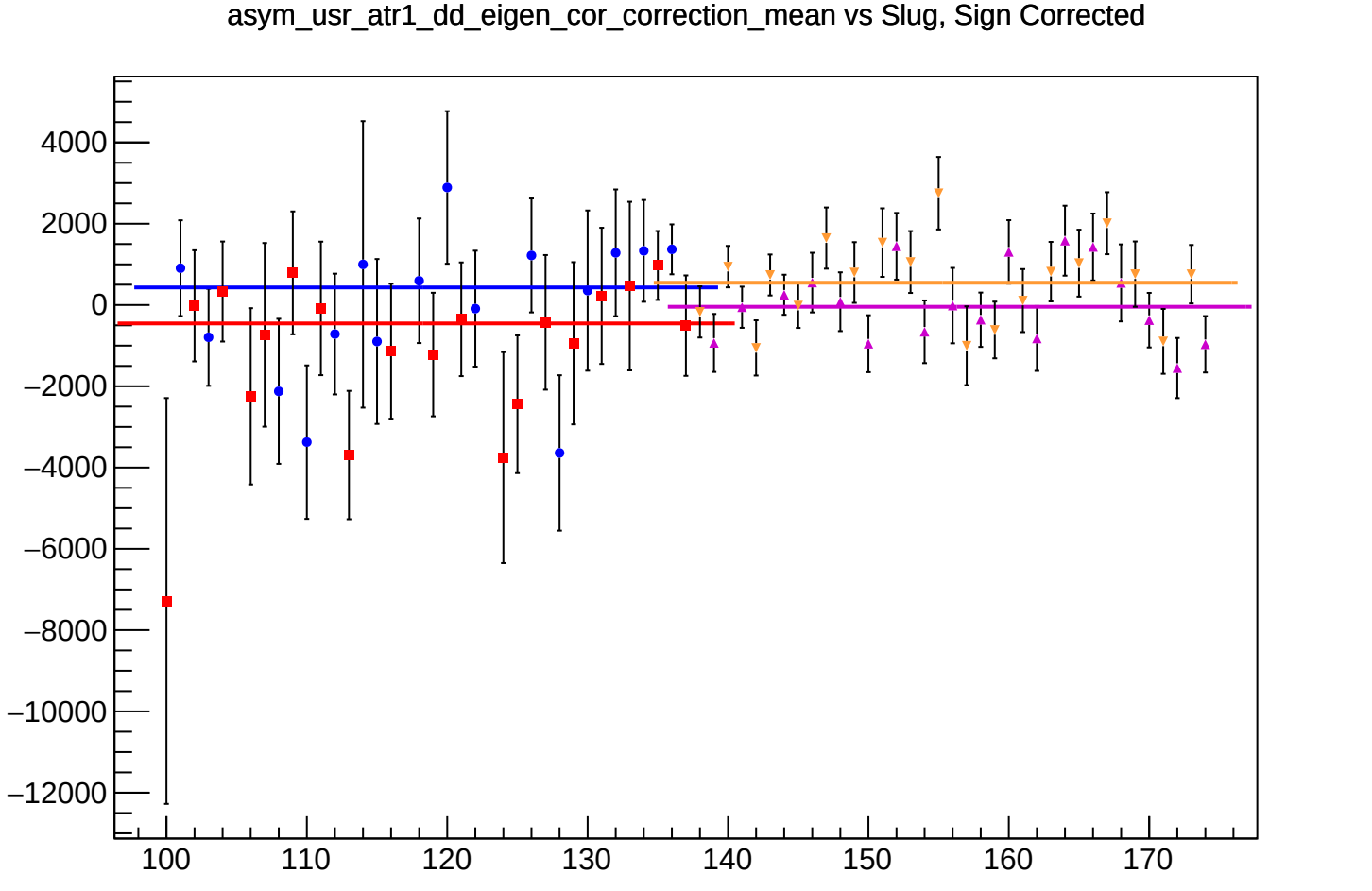
Left: 1318.469+/-0.170 χ^2/NDF: 4635.6/36

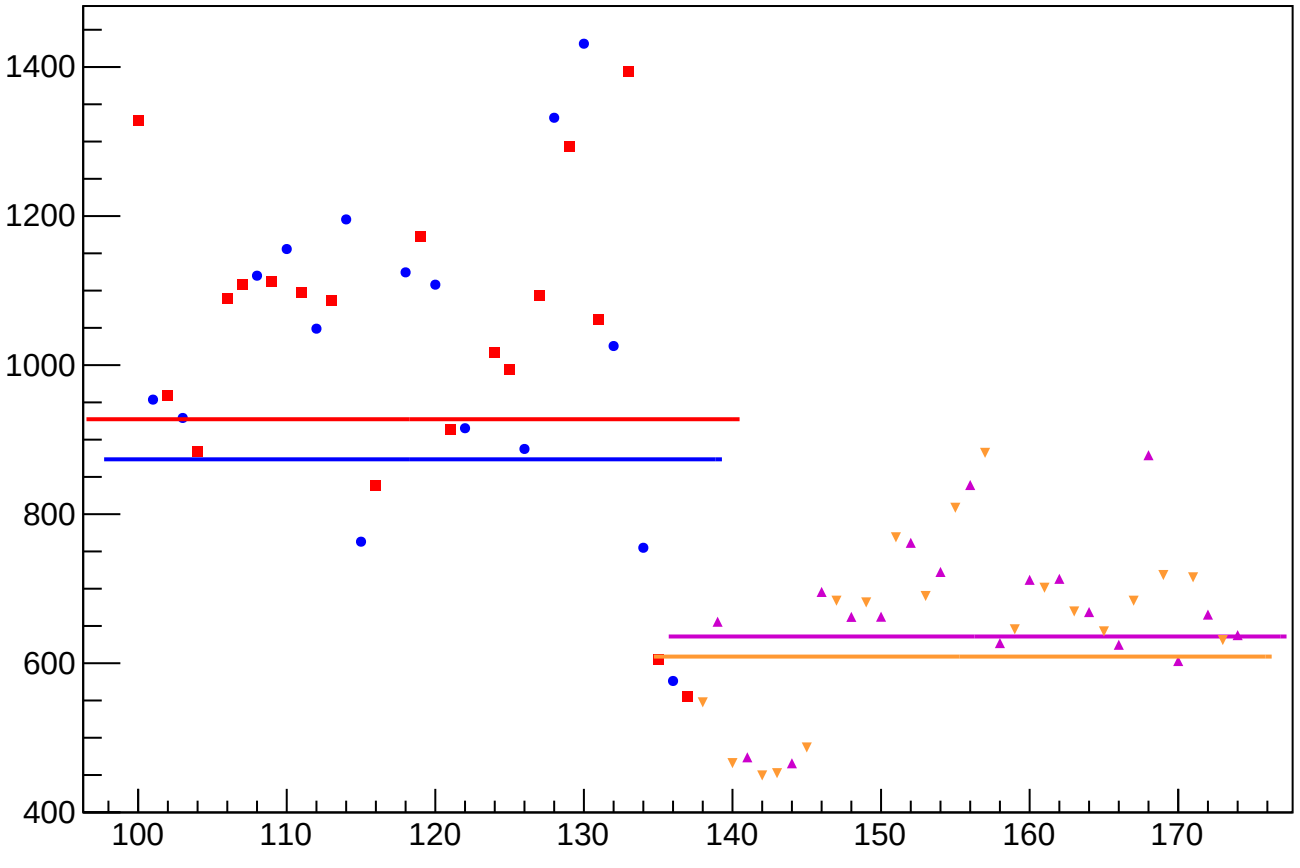
Right: 1354.176+/-0.255 χ^2/NDF: 907663.3/34

In: 1330.539+/-0.202 χ^2/NDF:770277.6/33

Out: 1328.476+/-0.199 χ^2/NDF:155518.5/37

All: 1329.494+/-0.142 χ^2/NDF: 925849.1/71


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 432.135+/-338.403 χ²/NDF: 18.2/15
Left Out: 547.782+/-160.906 χ²/NDF:32.1/18
Right Out: -453.039+/-355.599 χ²/NDF: 14.7/18
Left In: -43.517+/-167.534 χ²/NDF:25.7/17
Left: 264.059+/-116.050 χ²/NDF: 64.3/36
Right: 11.468+/-245.141 χ²/NDF: 36.2/34
In: 50.115+/-150.142 χ²/NDF:45.5/33
Out: 377.689+/-146.597 χ²/NDF:53.3/37
All: 217.815+/-104.890 χ²/NDF: 101.3/71



Right In: 873.606+/-0.239 χ^2/NDF: 1014405.7/15

Left Out: 608.916+/-0.114 χ^2/NDF:1115371.4/18

Right Out: 927.407+/-0.251 χ^2/NDF: 847382.0/18

Left In: 635.880+/-0.118 χ^2/NDF:812735.1/17

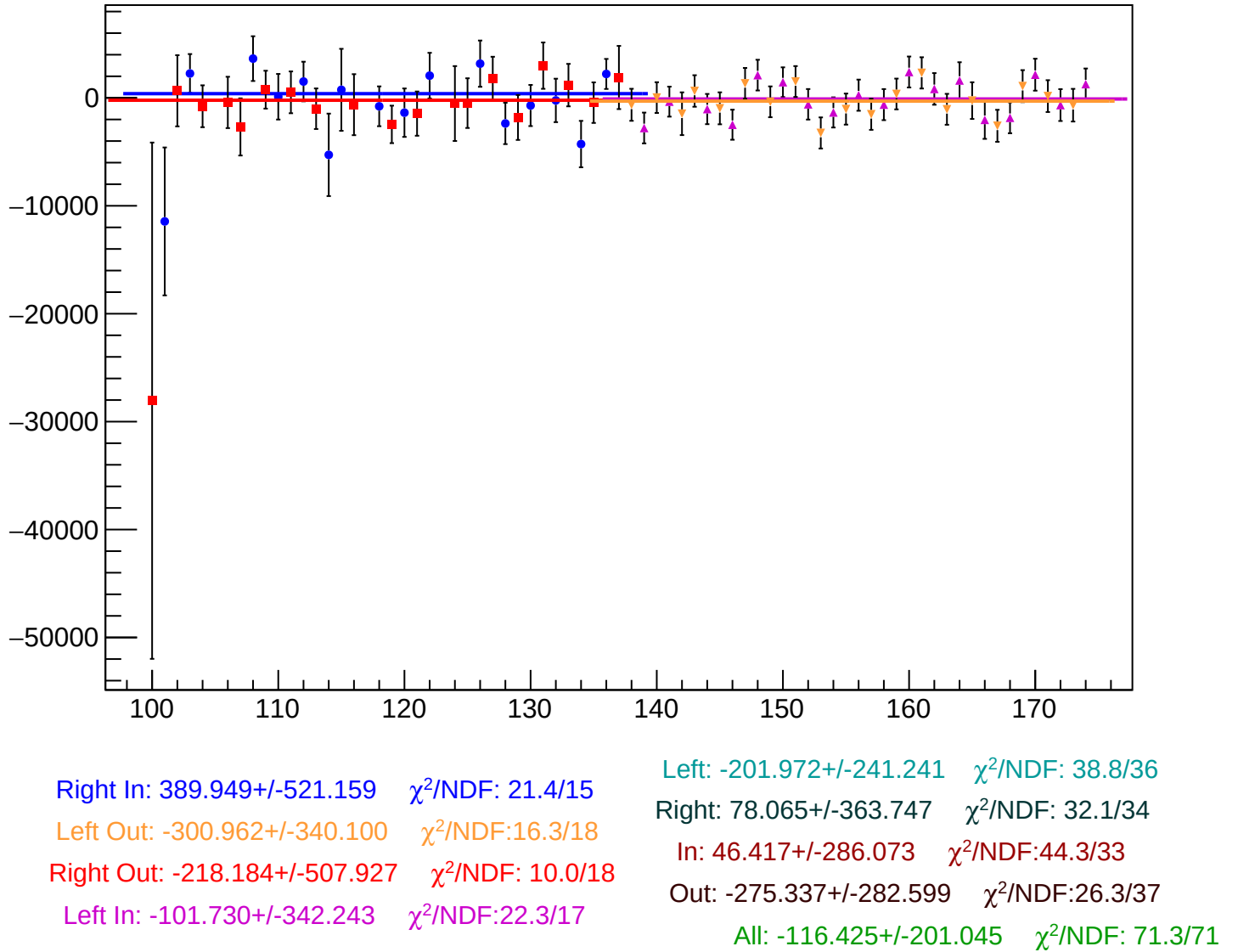
Left: 621.854+/-0.082 χ^2/NDF: 1955054.5/36

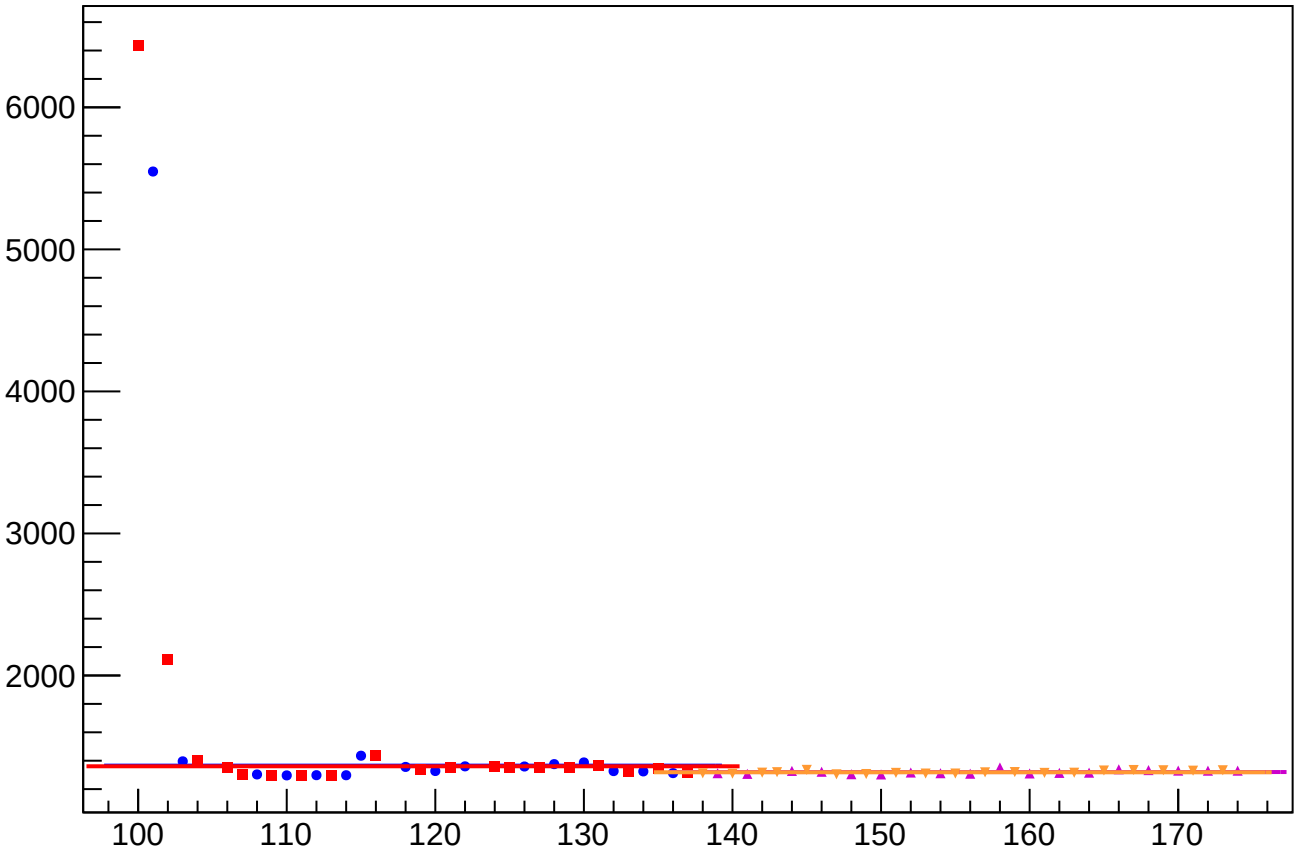
Right: 899.174+/-0.173 χ^2/NDF: 1885812.2/34

In: 682.676+/-0.106 χ^2/NDF:2619848.7/33

Out: 663.045+/-0.104 χ^2/NDF:3294449.0/37

All: 672.626+/-0.074 χ^2/NDF: 5931802.8/71


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
0
−10000
−20000
−30000
−40000
−50000
100
110
120
130
140
150
160
170
Right In: 389.949+/-521.159 χ²/NDF: 21.4/15
Left Out: -300.962+/-340.100 χ²/NDF:16.3/18
Right Out: -218.184+/-507.927 χ²/NDF: 10.0/18
Left In: -101.730+/-342.243 χ²/NDF:22.3/17
Left: -201.972+/-241.241 χ²/NDF: 38.8/36
Right: 78.065+/-363.747 χ²/NDF: 32.1/34
In: 46.417+/-286.073 χ²/NDF:44.3/33
Out: -275.337+/-282.599 χ²/NDF:26.3/37
All: -116.425+/-201.045 χ²/NDF: 71.3/71



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.704+/-0.240 χ^2/NDF:1762.8/18

Right Out: 1360.771+/-0.359 χ^2/NDF: 205315.3/18

Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

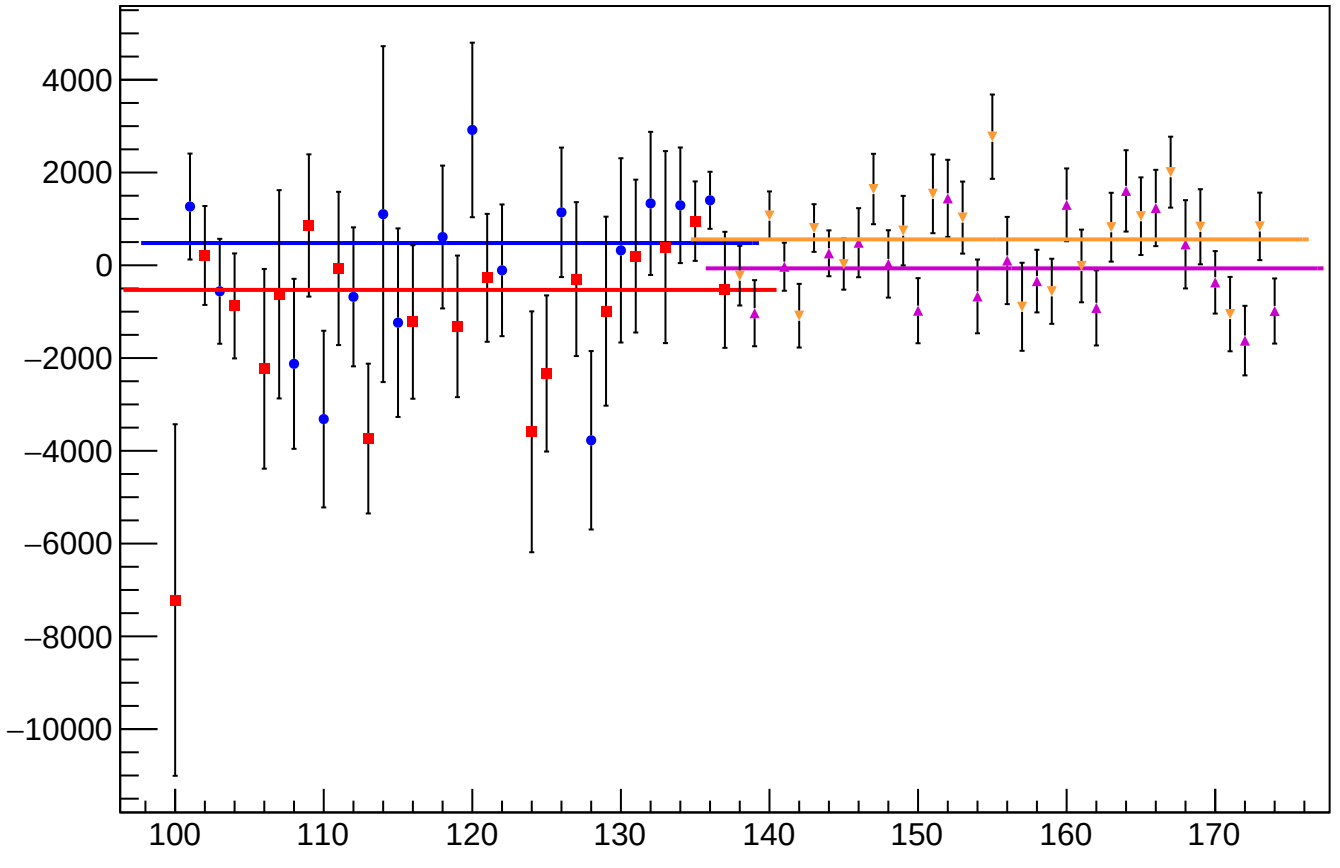
Left: 1319.475+/-0.171 χ^2/NDF: 4658.3/36

Right: 1362.978+/-0.257 χ^2/NDF: 964337.6/34

In: 1333.829+/-0.202 χ^2/NDF:772259.3/33

Out: 1331.726+/-0.200 χ^2/NDF:216550.0/37

All: 1332.764+/-0.142 χ^2/NDF: 988864.0/71



Right In: 480.403+/-336.520 χ^2/NDF: 18.6/15

Left Out: 558.659+/-162.711 χ^2/NDF:32.9/18

Right Out: -530.532+/-346.105 χ^2/NDF: 15.6/18

Left In: -66.327+/-169.253 χ^2/NDF:25.4/17

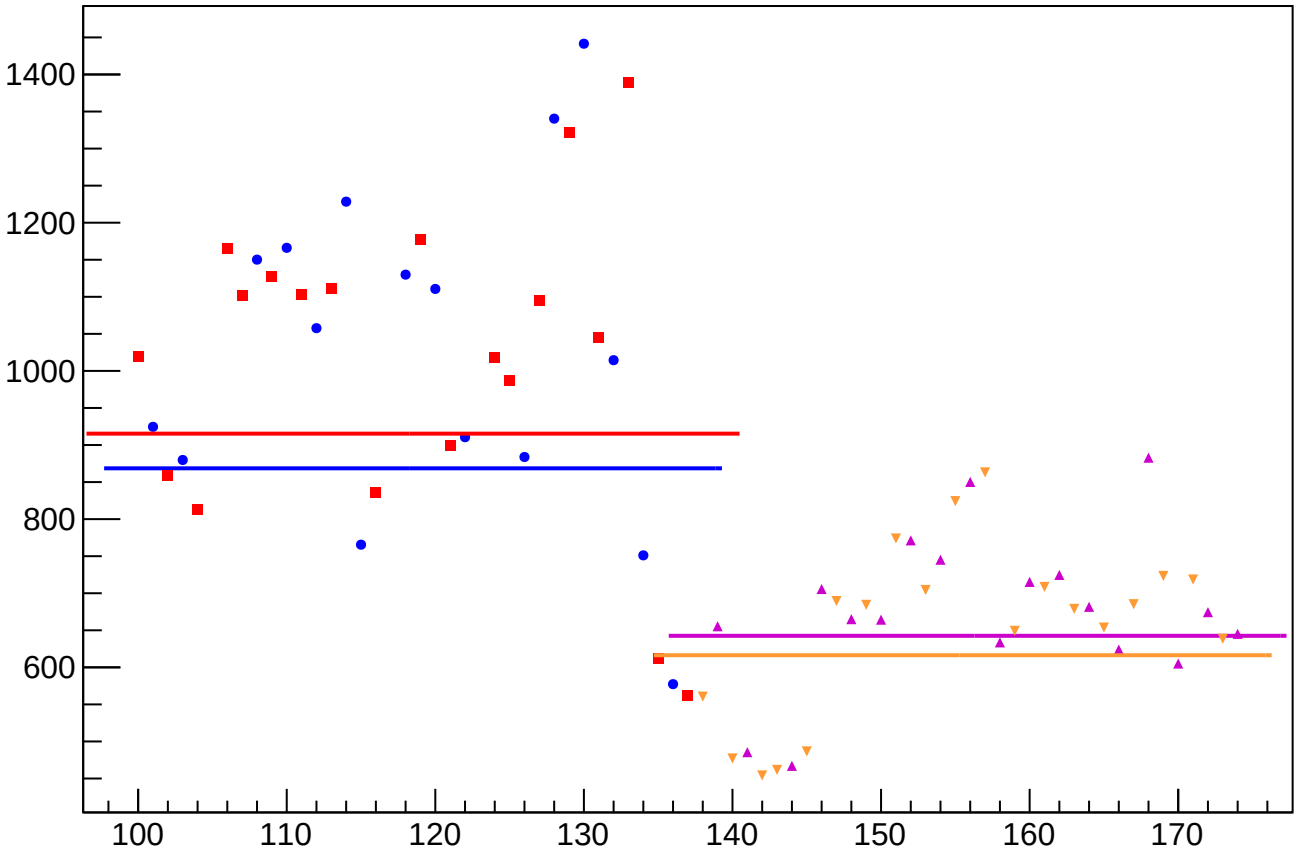
Left: 258.479+/-117.299 χ^2/NDF: 65.4/36

Right: -10.874+/-241.273 χ^2/NDF: 38.6/34

In: 44.053+/-151.206 χ^2/NDF:46.1/33

Out: 361.506+/-147.250 χ^2/NDF:56.6/37

All: 206.986+/-105.492 χ^2/NDF: 105.0/71



Right In: 868.572+/-0.238 χ^2/NDF: 1021338.5/15

Left Out: 616.325+/-0.115 χ^2/NDF:1067068.1/18

Right Out: 915.360+/-0.245 χ^2/NDF: 858906.6/18

Left In: 642.573+/-0.120 χ^2/NDF:813575.0/17

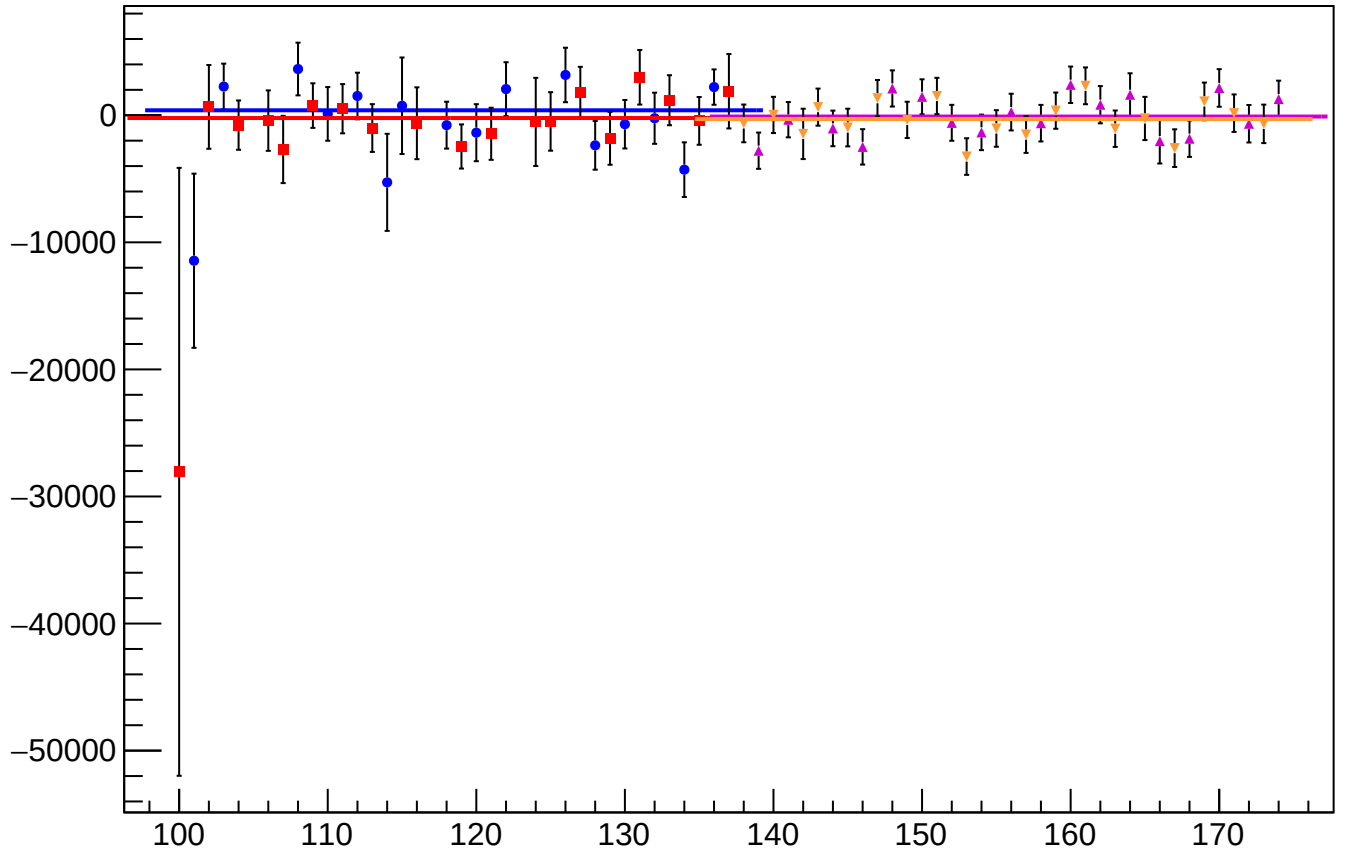
Left: 628.932+/-0.083 χ^2/NDF: 1905641.9/36

Right: 891.309+/-0.171 χ^2/NDF: 1899033.0/34

In: 688.200+/-0.107 χ^2/NDF:2554830.5/33

Out: 670.452+/-0.104 χ^2/NDF:3148730.8/37

All: 679.091+/-0.075 χ^2/NDF: 5717703.1/71



Right In: 389.949+/-521.159 χ^2/NDF: 21.4/15

Left Out: -300.963+/-340.100 χ^2/NDF:16.3/18

Right Out: -218.182+/-507.927 χ^2/NDF: 10.0/18

Left In: -101.730+/-342.243 χ^2/NDF:22.3/17

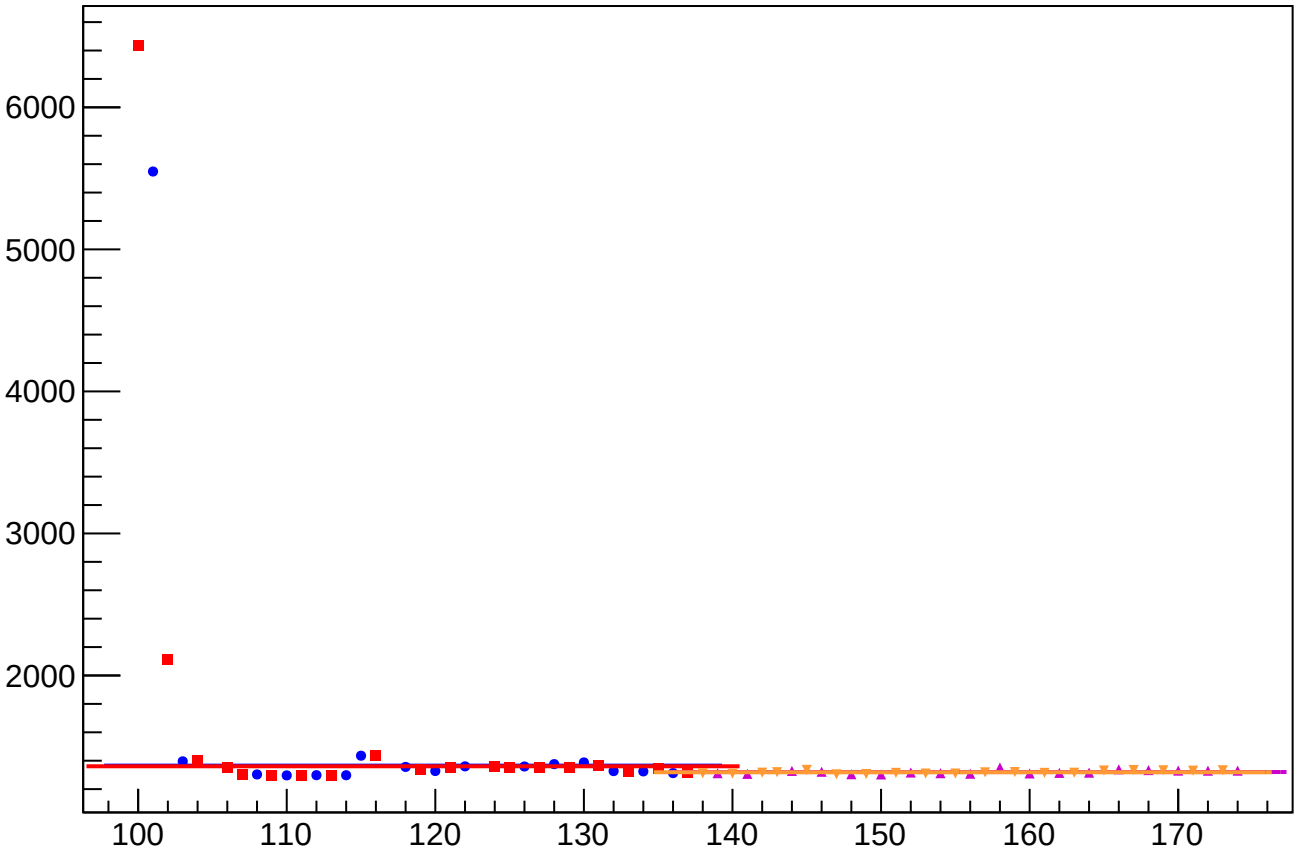
Left: -201.972+/-241.241 χ^2/NDF: 38.8/36

Right: 78.066+/-363.747 χ^2/NDF: 32.1/34

In: 46.418+/-286.073 χ^2/NDF:44.3/33

Out: -275.338+/-282.599 χ^2/NDF:26.3/37

All: -116.425+/-201.045 χ^2/NDF: 71.3/71



Right In: 1365.302+/-0.369 χ^2/NDF: 758944.7/15

Left Out: 1318.704+/-0.240 χ^2/NDF:1762.8/18

Right Out: 1360.770+/-0.359 χ^2/NDF: 205315.2/18

Left In: 1320.256+/-0.242 χ^2/NDF:2874.8/17

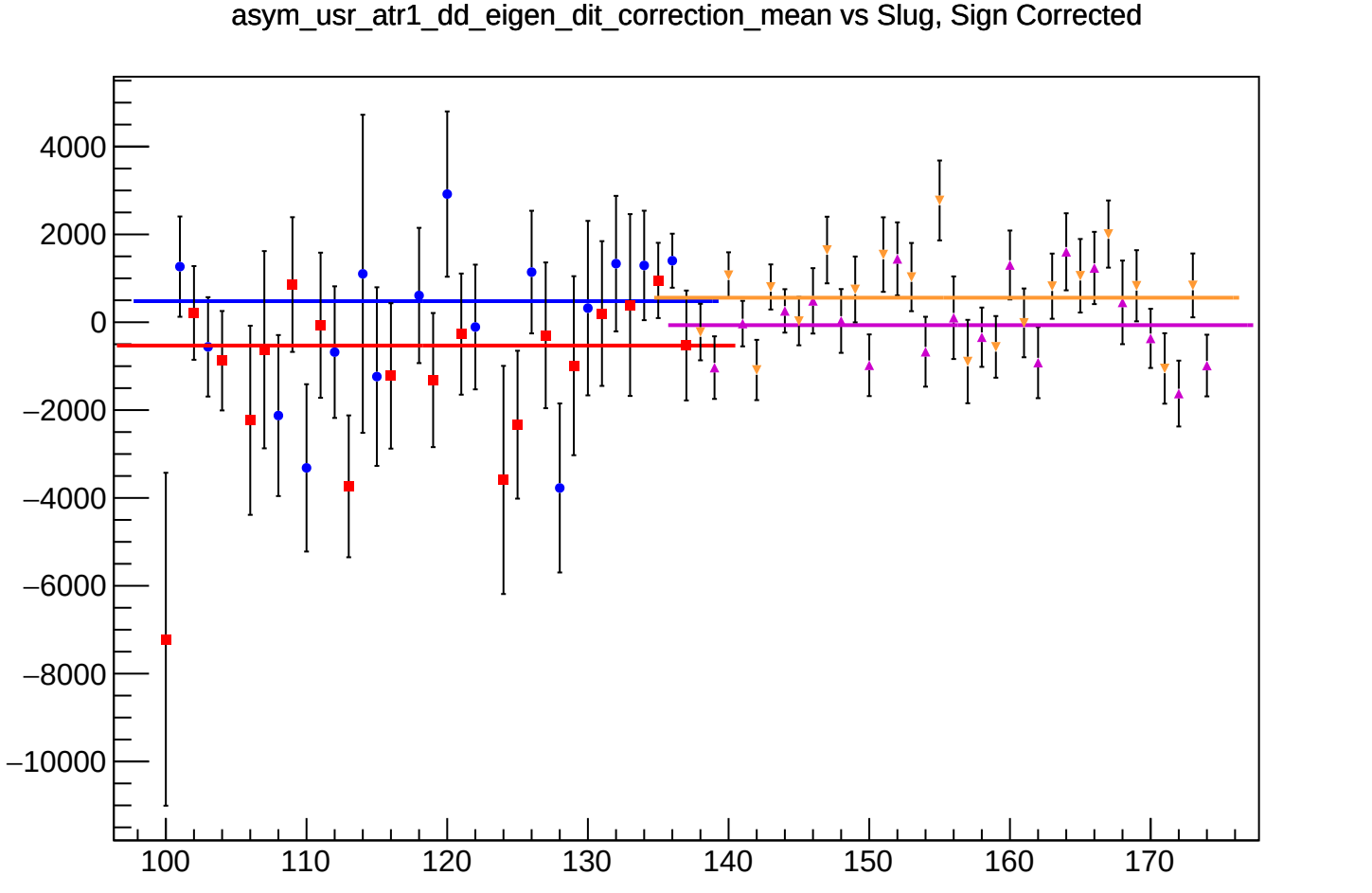
Left: 1319.475+/-0.171 χ^2/NDF: 4658.3/36

Right: 1362.978+/-0.257 χ^2/NDF: 964337.5/34

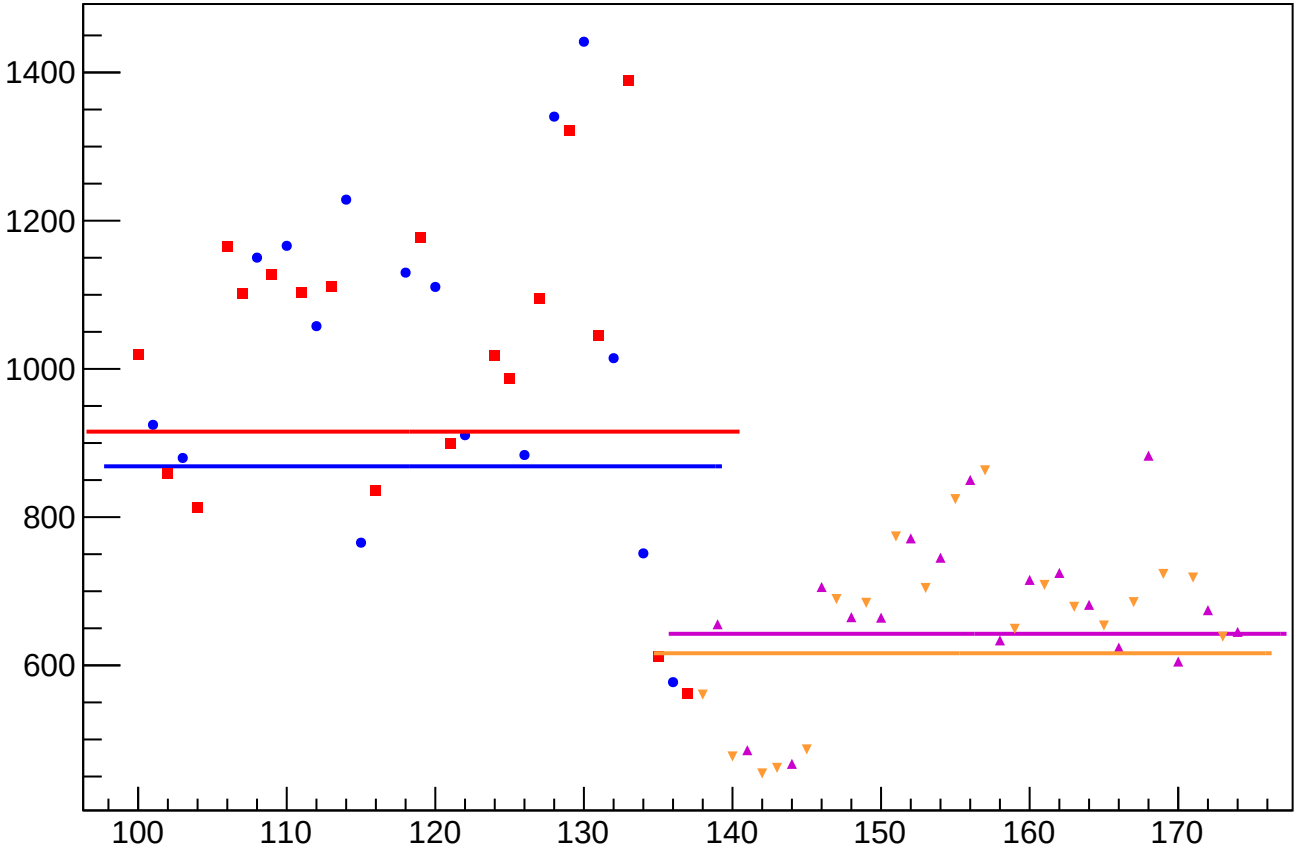
In: 1333.829+/-0.202 χ^2/NDF:772259.2/33

Out: 1331.726+/-0.200 χ^2/NDF:216550.0/37

All: 1332.764+/-0.142 χ^2/NDF: 988863.9/71


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
110
120
130
140
150
160
170
Right In: 480.400+/-336.519 χ²/NDF: 18.6/15
Left Out: 558.659+/-162.711 χ²/NDF:32.9/18
Right Out: -530.531+/-346.104 χ²/NDF: 15.6/18
Left In: -66.326+/-169.254 χ²/NDF:25.4/17
Left: 258.480+/-117.299 χ²/NDF: 65.4/36
Right: -10.874+/-241.273 χ²/NDF: 38.6/34
In: 44.053+/-151.206 χ²/NDF:46.1/33
Out: 361.506+/-147.250 χ²/NDF:56.6/37
All: 206.986+/-105.493 χ²/NDF: 105.0/71

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 868.570+/-0.238 χ^2/NDF: 1021337.1/15

Left Out: 616.325+/-0.115 χ^2/NDF:1067084.8/18

Right Out: 915.358+/-0.245 χ^2/NDF: 858906.3/18

Left In: 642.574+/-0.120 χ^2/NDF:813582.8/17

Left: 628.932+/-0.083 χ^2/NDF: 1905667.8/36

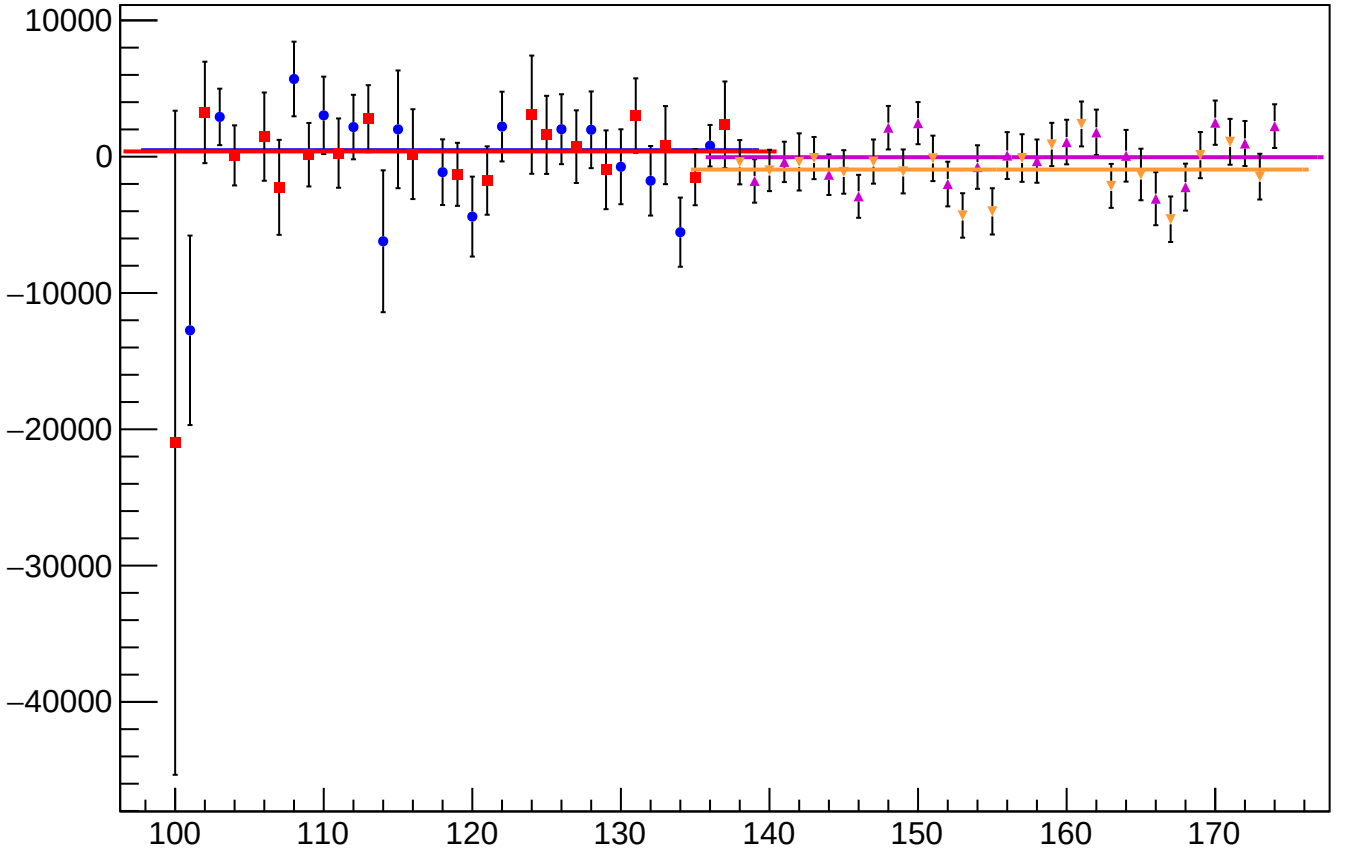
Right: 891.307+/-0.171 χ^2/NDF: 1899032.0/34

In: 688.201+/-0.107 χ^2/NDF:2554816.9/33

Out: 670.453+/-0.104 χ^2/NDF:3148733.1/37

All: 679.092+/-0.075 χ^2/NDF: 5717692.7/71

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: 473.494+/-649.243 χ^2/NDF: 22.7/15

Left Out: -943.741+/-381.382 χ^2/NDF:21.4/18

Right Out: 384.785+/-641.994 χ^2/NDF: 7.3/18

Left In: -38.289+/-384.593 χ^2/NDF:22.0/17

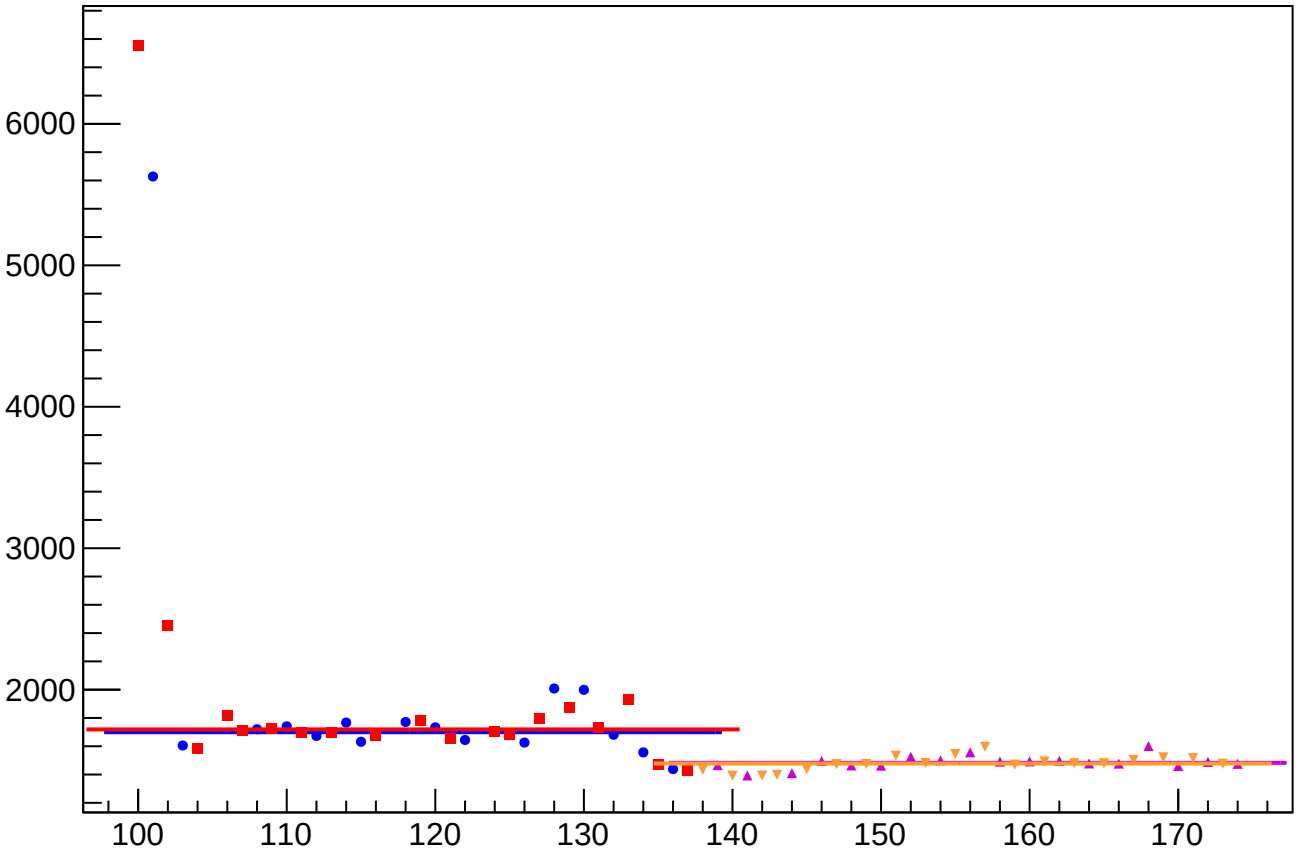
Left: -494.810+/-270.806 χ^2/NDF: 46.2/36

Right: 428.642+/-456.500 χ^2/NDF: 30.0/34

In: 94.649+/-330.894 χ^2/NDF:45.2/33

Out: -597.194+/-327.889 χ^2/NDF:31.8/37

All: -254.428+/-232.908 χ^2/NDF: 79.2/71



Right In: 1699.330+/-0.459 χ^2/NDF: 762097.7/15

Left Out: 1477.697+/-0.270 χ^2/NDF:35263.2/18

Right Out: 1719.103+/-0.454 χ^2/NDF: 233751.6/18

Left In: 1482.836+/-0.272 χ^2/NDF:28579.0/17

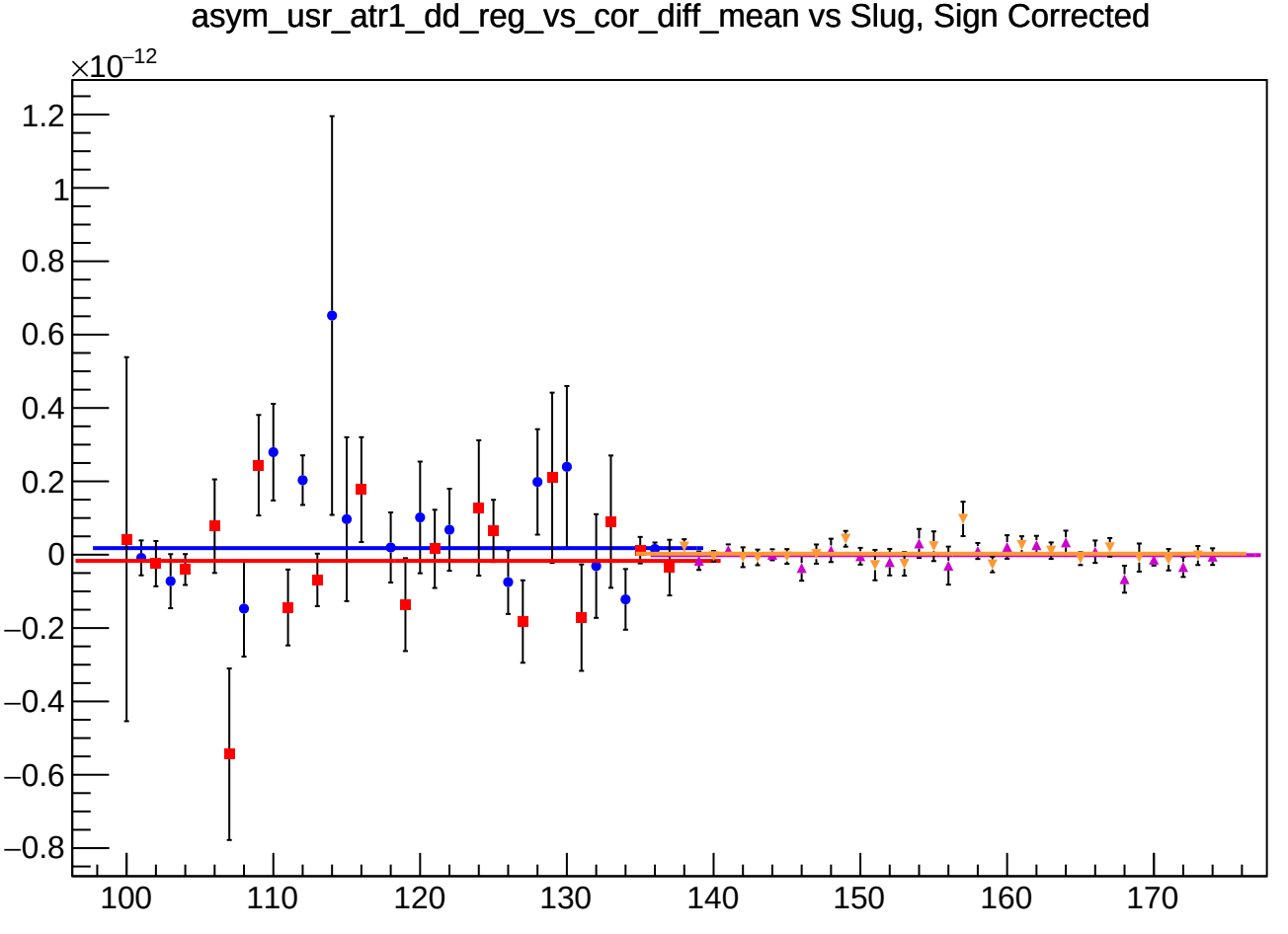
Left: 1480.245+/-0.191 χ^2/NDF: 64022.2/36

Right: 1709.327+/-0.323 χ^2/NDF: 996787.3/34

In: 1539.071+/-0.234 χ^2/NDF:955295.9/33

Out: 1540.668+/-0.232 χ^2/NDF:478039.2/37

All: 1539.877+/-0.165 χ^2/NDF: 1433358.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.3/18

Left In: -0.000+/-0.000 χ^2/NDF:12.0/17

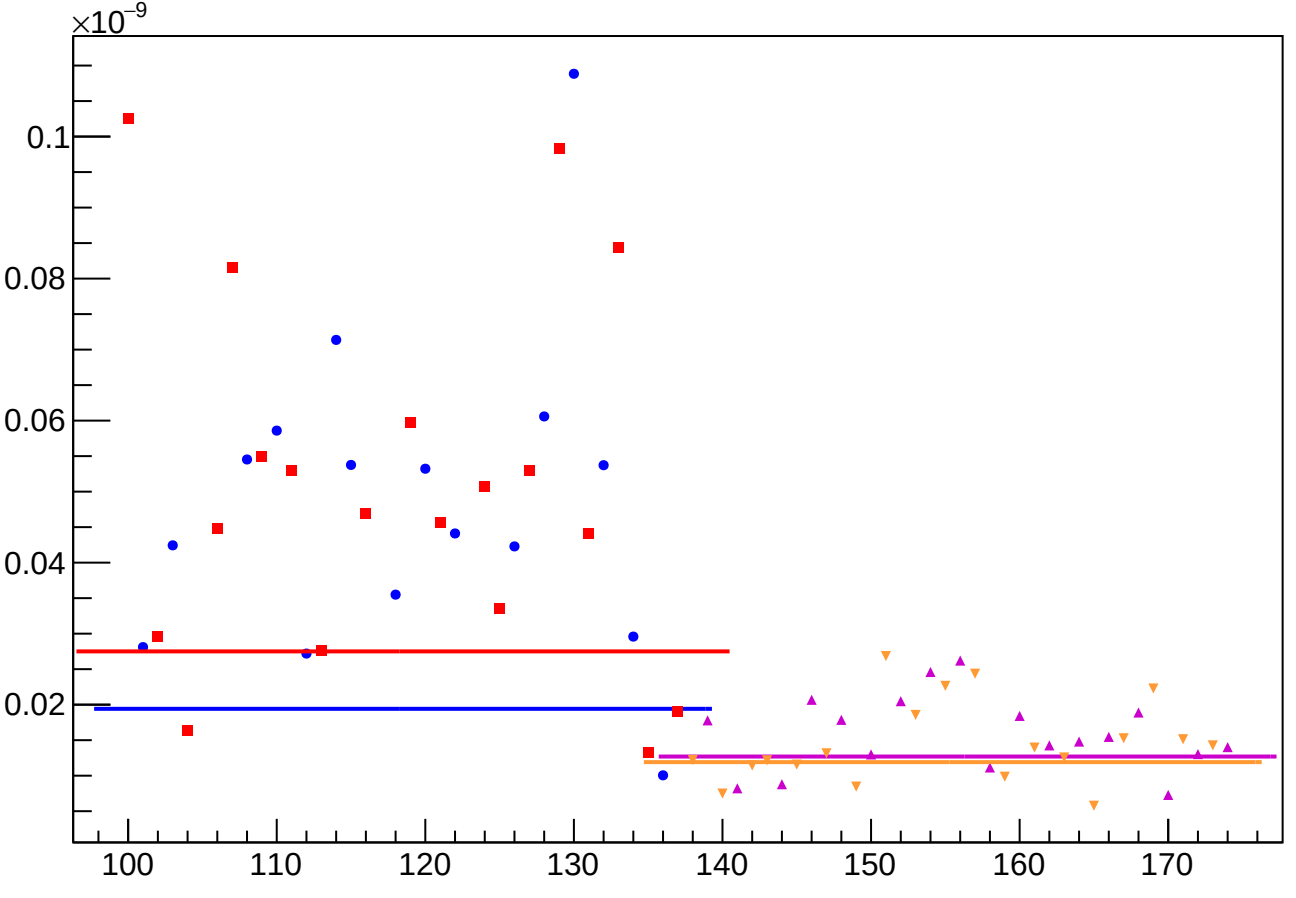
Left: 0.000+/-0.000 χ^2/NDF: 27.6/36

Right: 0.000+/-0.000 χ^2/NDF: 47.0/34

In: 0.000+/-0.000 χ^2/NDF:37.0/33

Out: 0.000+/-0.000 χ^2/NDF:37.7/37

All: 0.000+/-0.000 χ^2/NDF: 74.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 2274412.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1377789.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1650144.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1344922.6/17

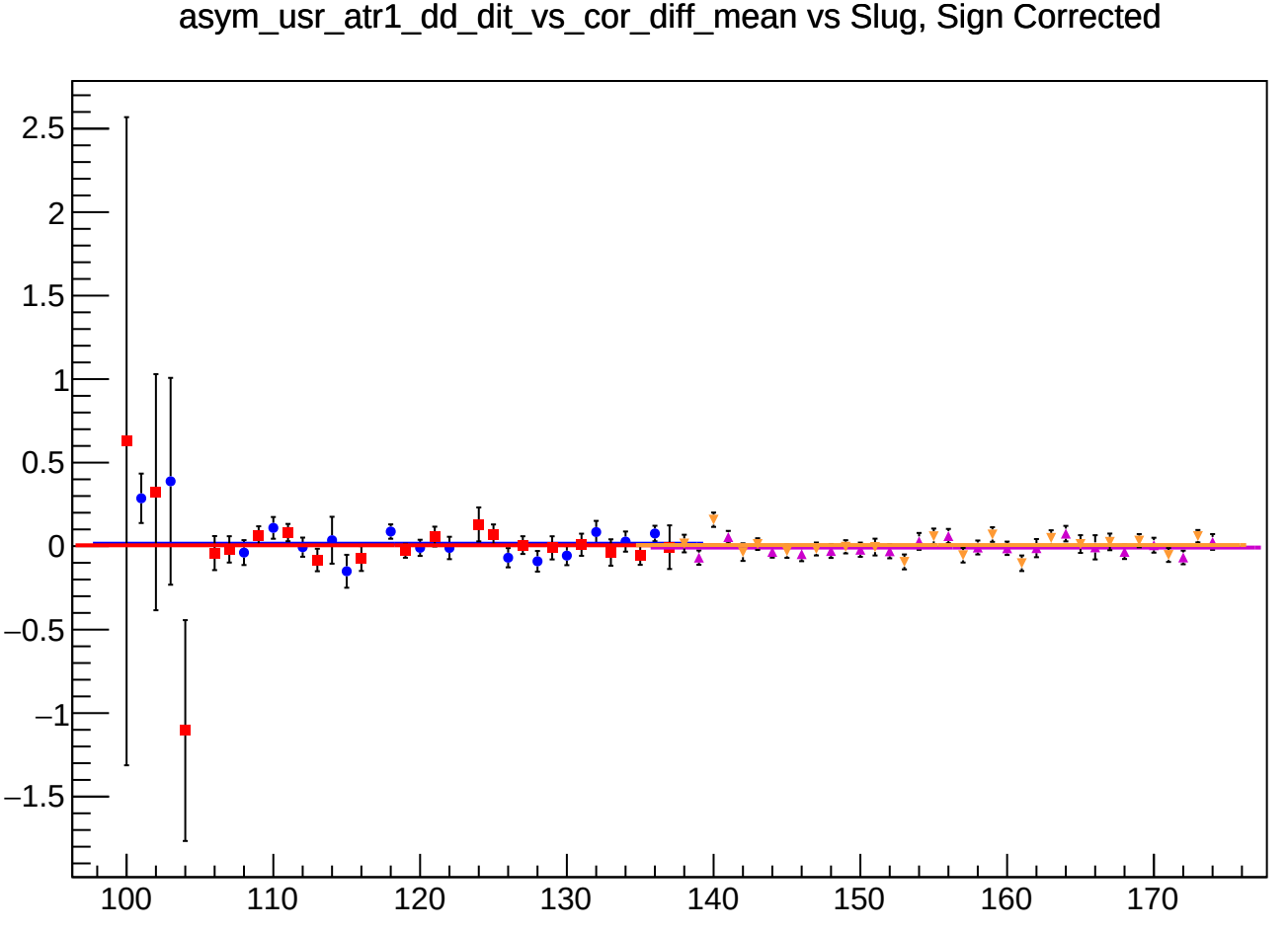
Left: 0.000+/-0.000 χ^2/NDF: 2742498.5/36

Right: 0.000+/-0.000 χ^2/NDF: 4153449.9/34

In: 0.000+/-0.000 χ^2/NDF:3996066.3/33

Out: 0.000+/-0.000 χ^2/NDF:4260130.0/37

All: 0.000+/-0.000 χ^2/NDF: 8266805.8/71



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

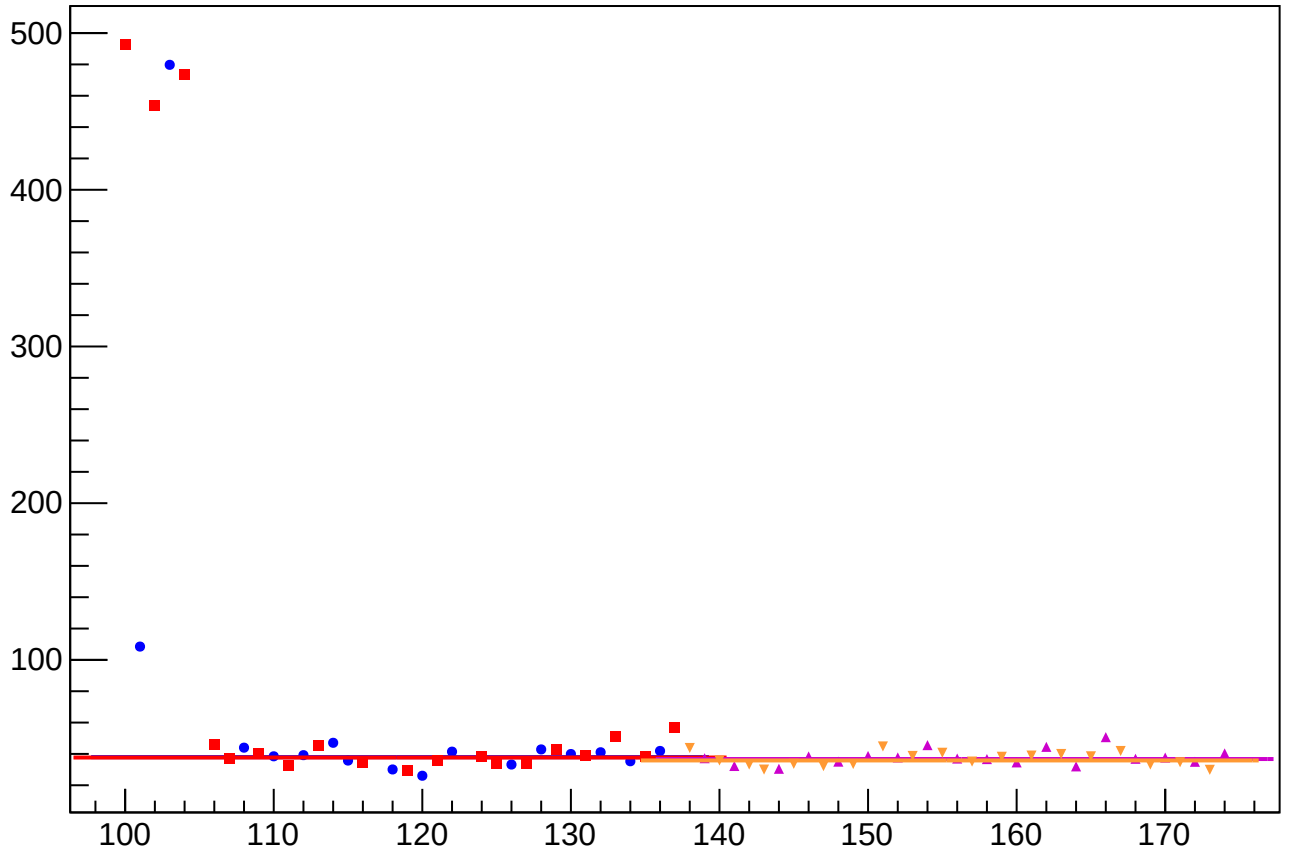
Left: -0.001+/-0.007 χ^2/NDF: 53.3/36

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 91.0/71



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.838+/-0.007 χ^2/NDF:356911.5/18

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

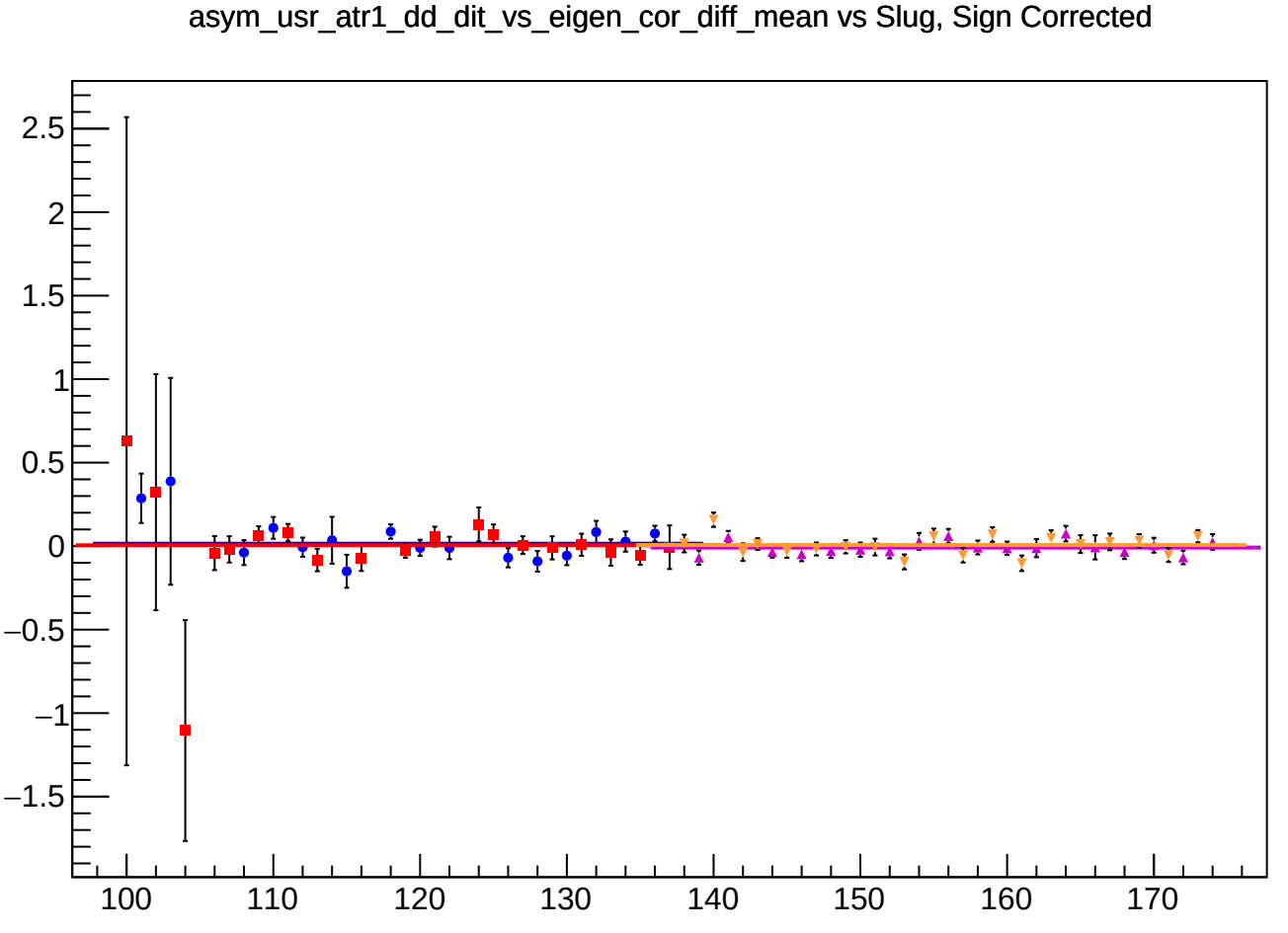
Left: 36.277+/-0.005 χ^2/NDF: 689416.5/36

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.089+/-0.006 χ^2/NDF:2072329.3/33

Out: 36.356+/-0.006 χ^2/NDF:2321131.3/37

All: 36.717+/-0.004 χ^2/NDF: 4400839.6/71



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

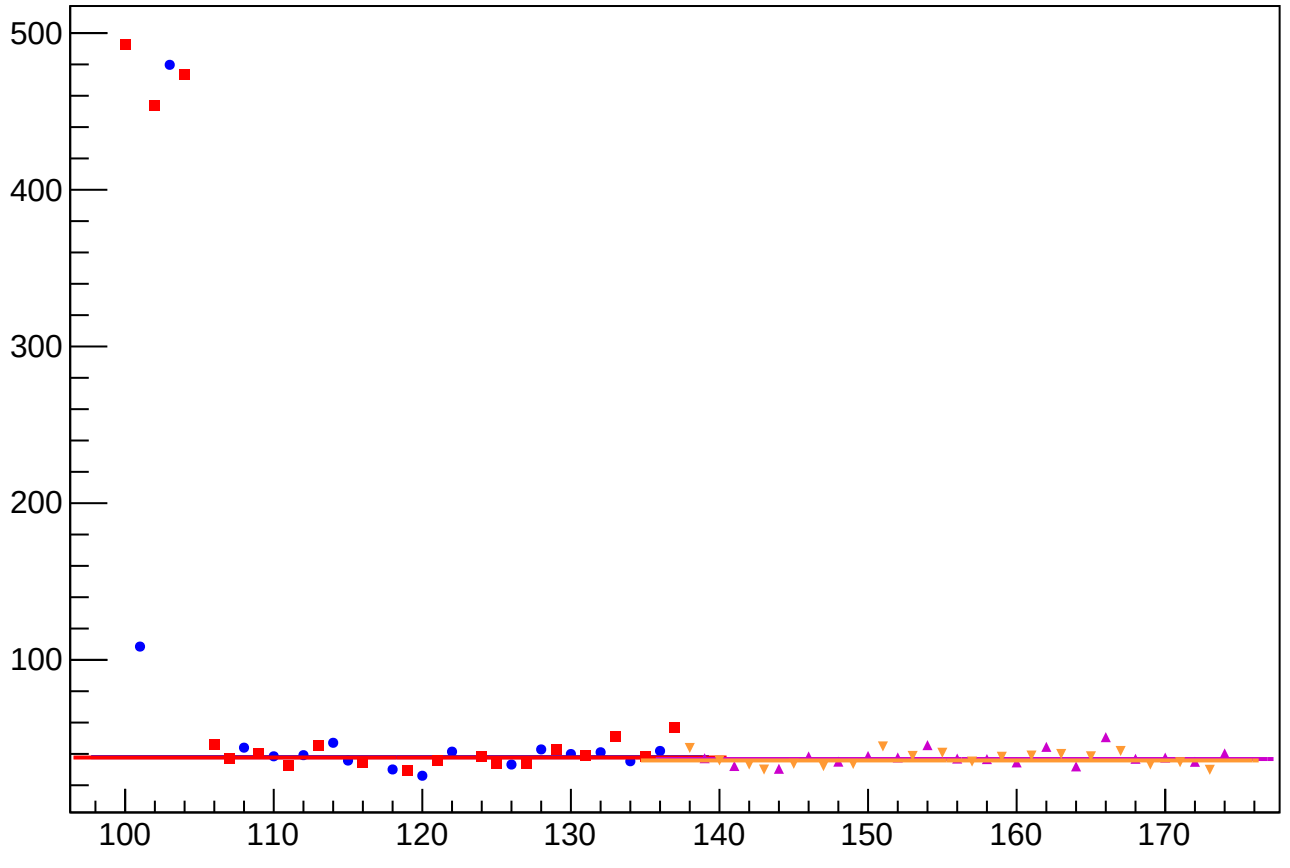
Left: -0.001+/-0.007 χ^2/NDF: 53.3/36

Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 91.0/71



Right In: 37.942+/-0.011 χ^2/NDF: 1739669.4/15

Left Out: 35.838+/-0.007 χ^2/NDF:356911.5/18

Right Out: 37.696+/-0.011 χ^2/NDF: 1944881.8/18

Left In: 36.738+/-0.007 χ^2/NDF:324562.3/17

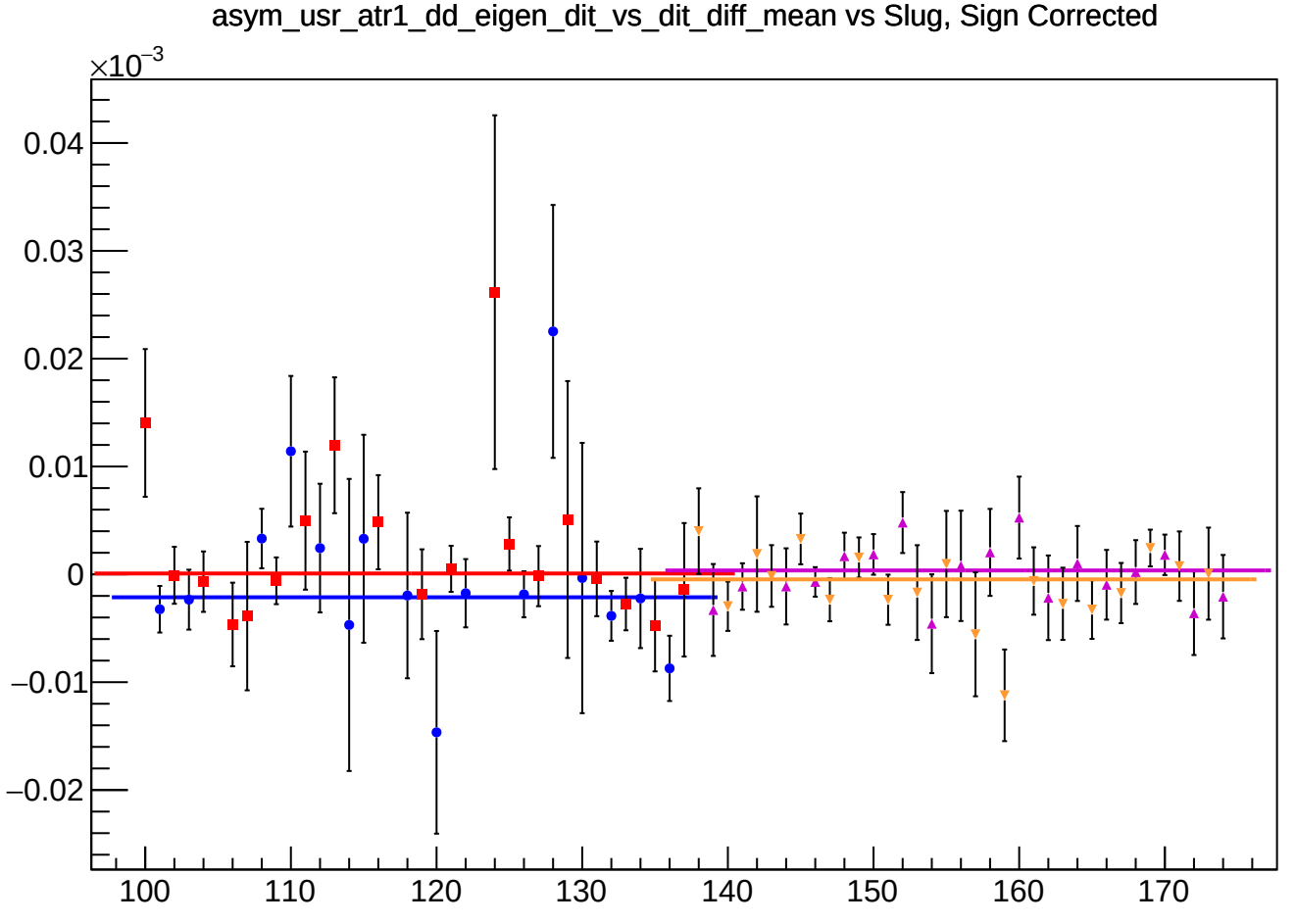
Left: 36.277+/-0.005 χ^2/NDF: 689416.5/36

Right: 37.820+/-0.008 χ^2/NDF: 3684788.8/34

In: 37.089+/-0.006 χ^2/NDF:2072329.3/33

Out: 36.356+/-0.006 χ^2/NDF:2321131.3/37

All: 36.717+/-0.004 χ^2/NDF: 4400839.6/71



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:11.1/17

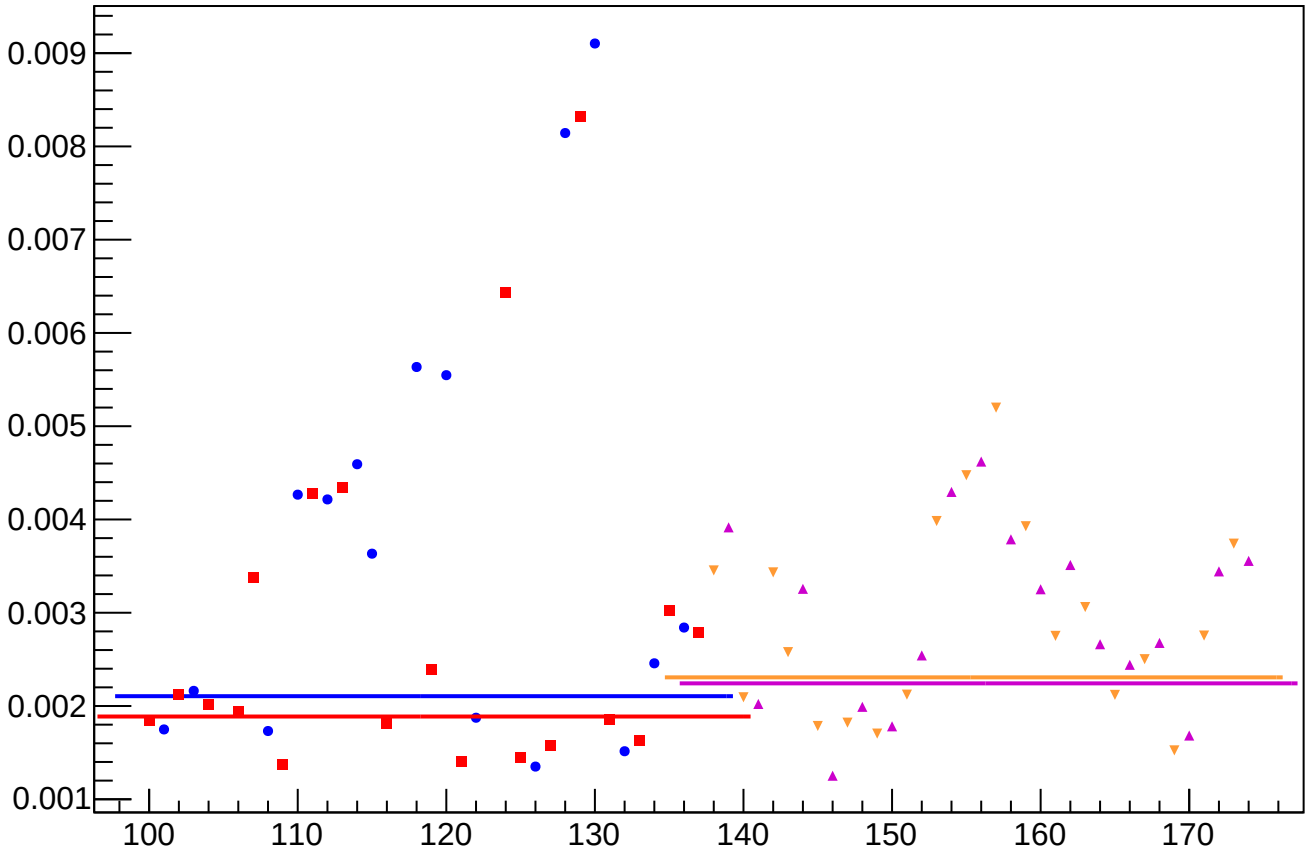
Left: -0.000+/-0.000 χ^2/NDF: 32.0/36

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

In: -0.000+/-0.000 χ^2/NDF:36.7/33

Out: -0.000+/-0.000 χ^2/NDF:38.7/37

All: -0.000+/-0.000 χ^2/NDF: 75.5/71



Right In: 0.002+/-0.000 χ^2/NDF: 3017568.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:3050397.3/18

Right Out: 0.002+/-0.000 χ^2/NDF: 1892000.0/18

Left In: 0.002+/-0.000 χ^2/NDF:3866514.5/17

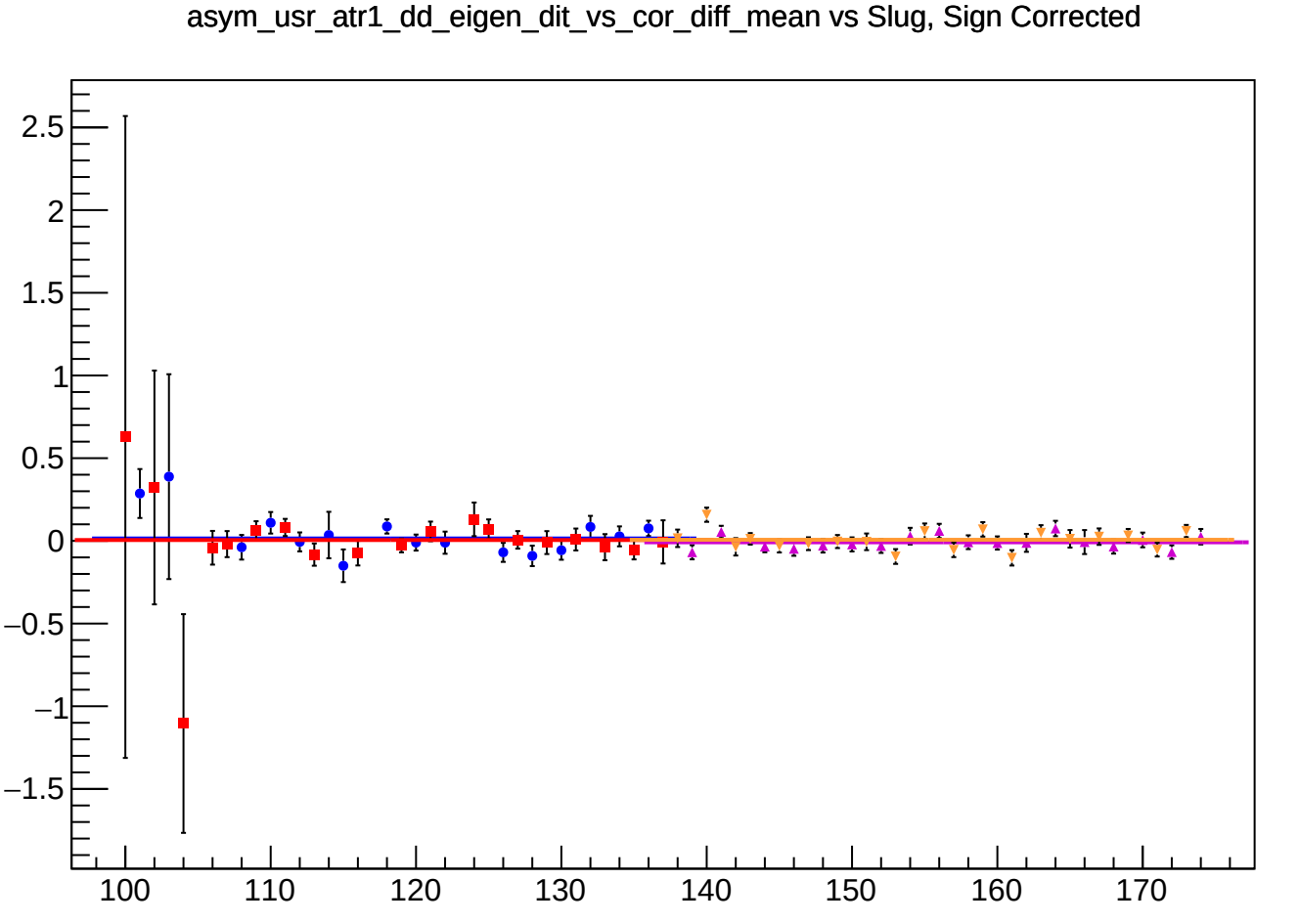
Left: 0.002+/-0.000 χ^2/NDF: 6927145.7/36

Right: 0.002+/-0.000 χ^2/NDF: 4976274.3/34

In: 0.002+/-0.000 χ^2/NDF:6915457.0/33

Out: 0.002+/-0.000 χ^2/NDF:5284094.6/37

All: 0.002+/-0.000 χ^2/NDF: 12211913.8/71



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

Left: -0.001+/-0.007 χ^2/NDF: 53.3/36

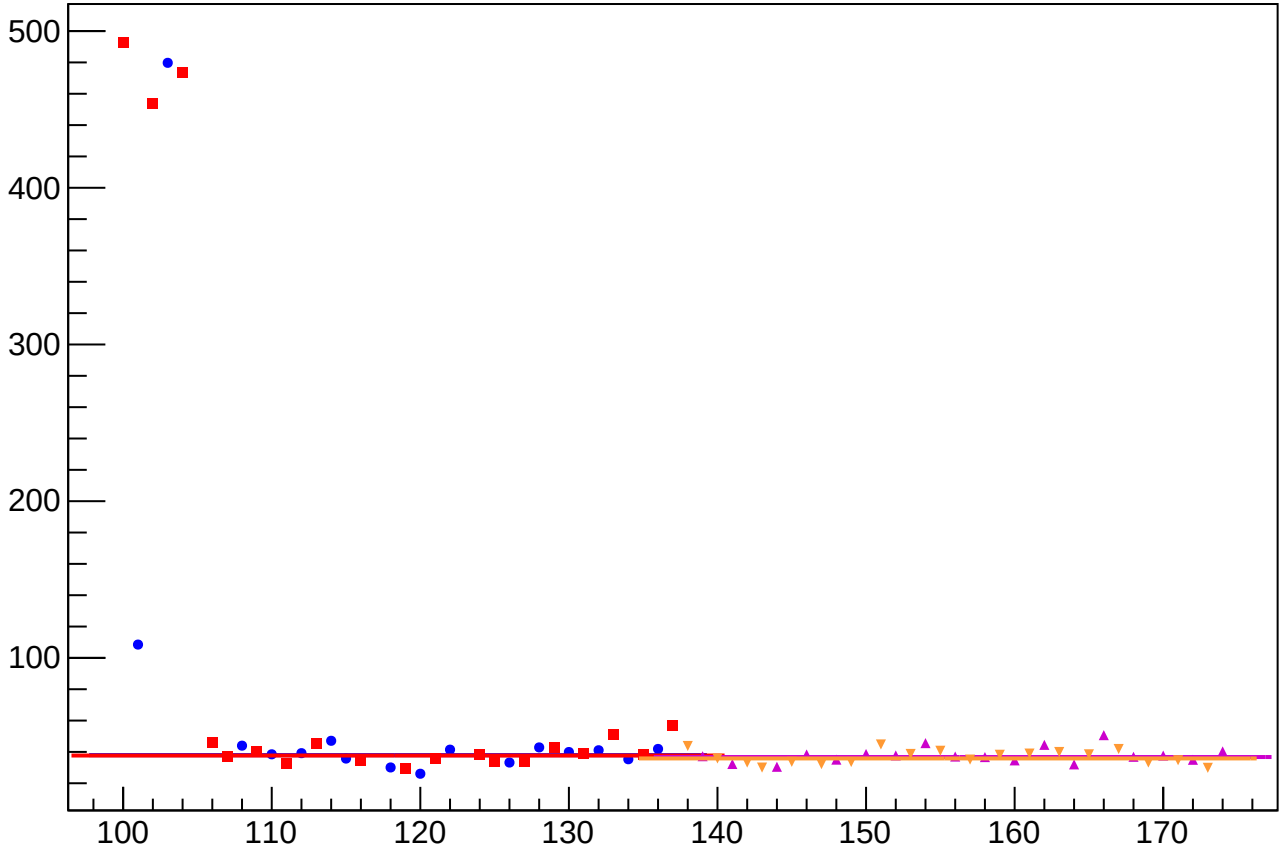
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 91.0/71

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.838+/-0.007 χ^2/NDF:356948.5/18

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

Left: 36.277+/-0.005 χ^2/NDF: 689491.1/36

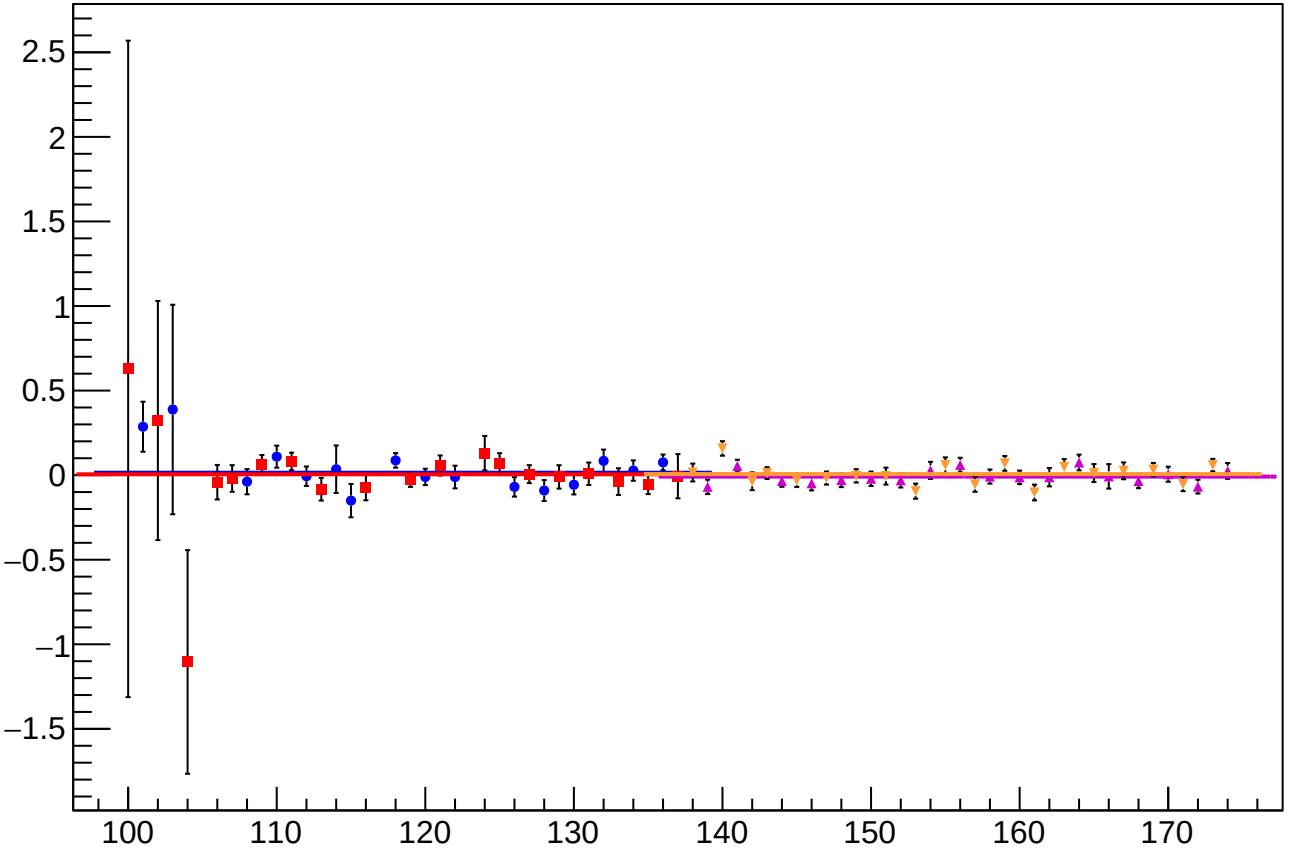
Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.089+/-0.006 χ^2/NDF:2072379.9/33

Out: 36.355+/-0.006 χ^2/NDF:2321223.0/37

All: 36.716+/-0.004 χ^2/NDF: 4400982.5/71

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.016 χ^2/NDF: 22.0/15

Left Out: 0.006+/-0.010 χ^2/NDF:35.9/18

Right Out: 0.005+/-0.016 χ^2/NDF: 14.9/18

Left In: -0.009+/-0.010 χ^2/NDF:16.3/17

Left: -0.001+/-0.007 χ^2/NDF: 53.3/36

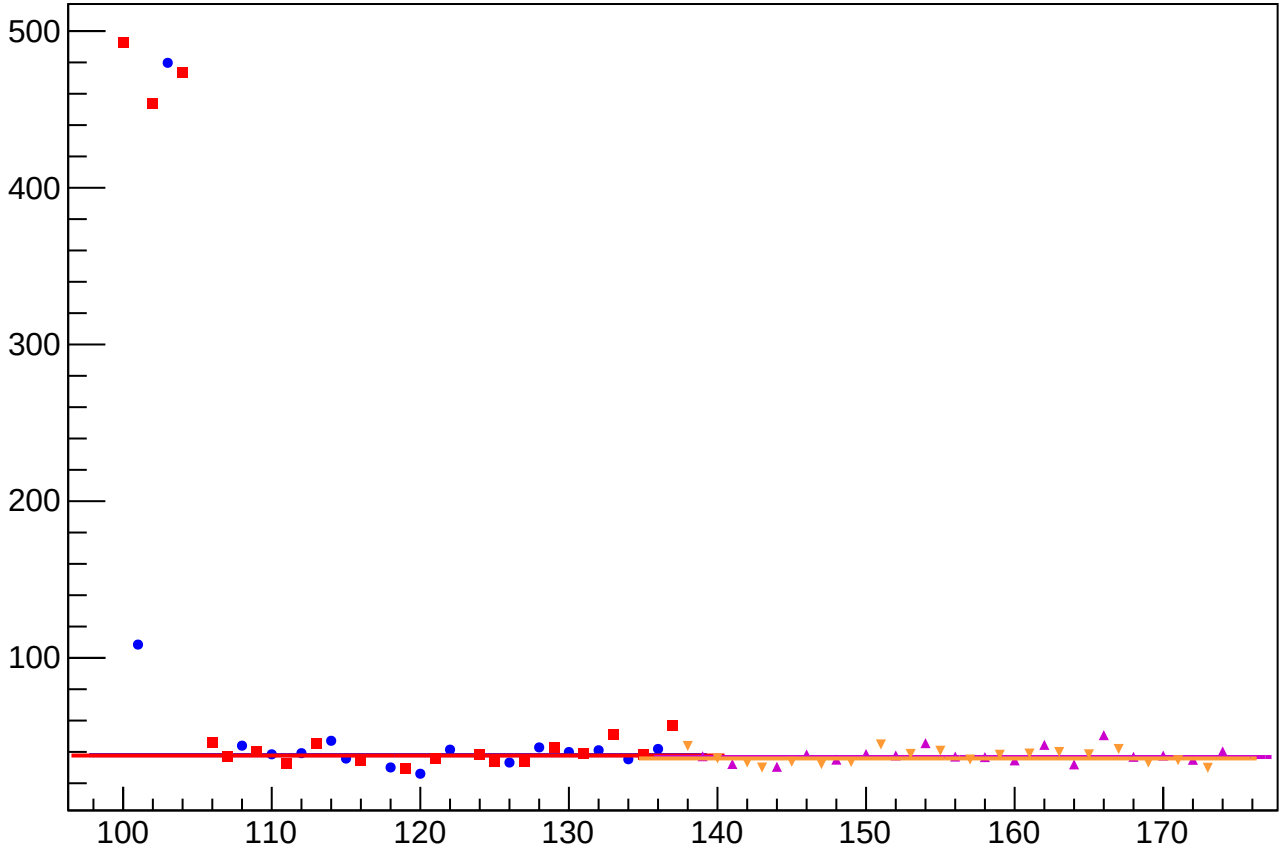
Right: 0.010+/-0.011 χ^2/NDF: 37.1/34

In: -0.002+/-0.009 χ^2/NDF:39.8/33

Out: 0.006+/-0.008 χ^2/NDF:50.8/37

All: 0.002+/-0.006 χ^2/NDF: 91.0/71

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 37.942+/-0.011 χ^2/NDF: 1739681.1/15

Left Out: 35.838+/-0.007 χ^2/NDF:356948.5/18

Right Out: 37.695+/-0.011 χ^2/NDF: 1944959.2/18

Left In: 36.737+/-0.007 χ^2/NDF:324603.8/17

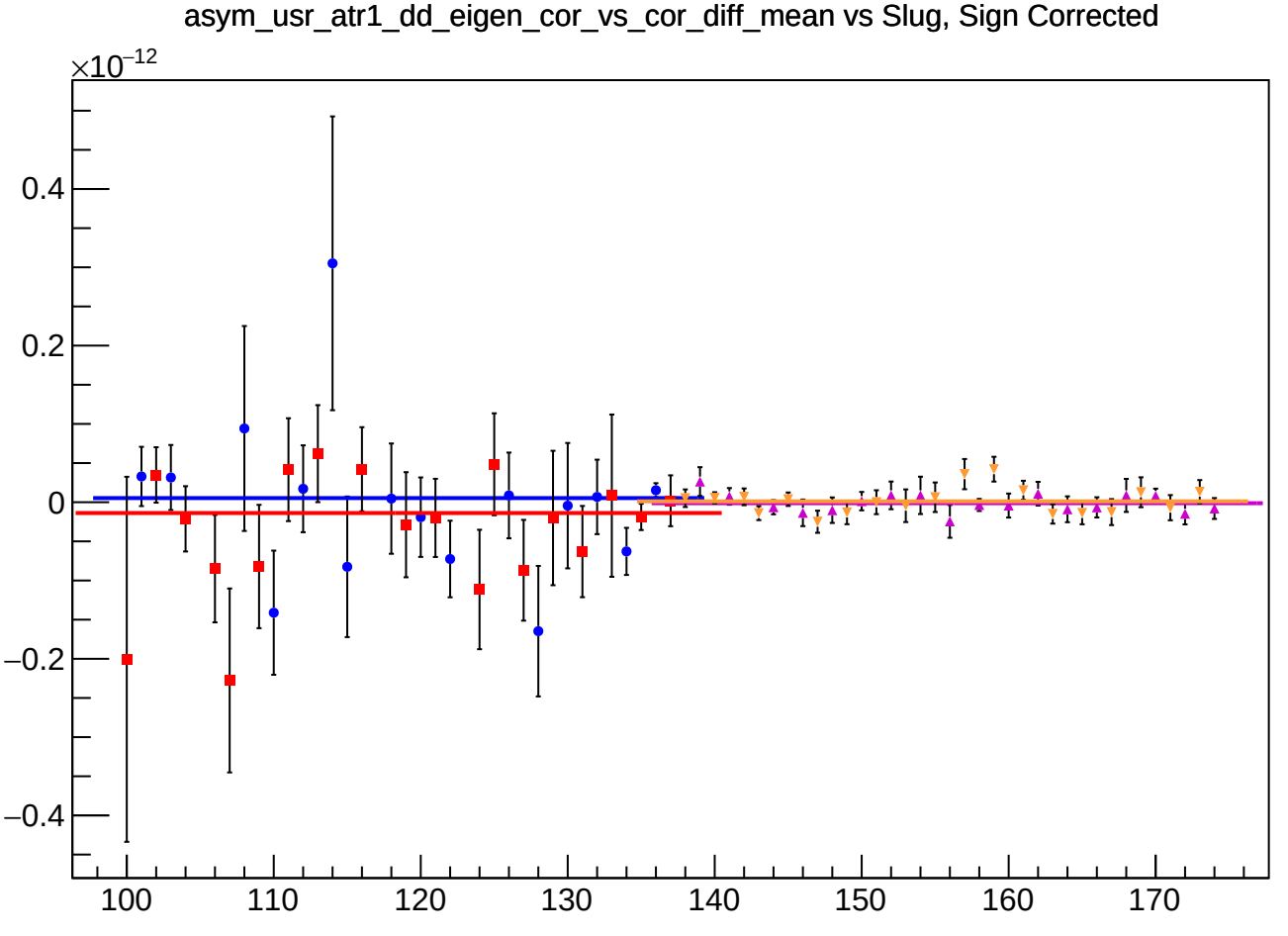
Left: 36.277+/-0.005 χ^2/NDF: 689491.1/36

Right: 37.819+/-0.008 χ^2/NDF: 3684879.3/34

In: 37.089+/-0.006 χ^2/NDF:2072379.9/33

Out: 36.355+/-0.006 χ^2/NDF:2321223.0/37

All: 36.716+/-0.004 χ^2/NDF: 4400982.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:24.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.0/18

Left In: -0.000+/-0.000 χ^2/NDF:9.4/17

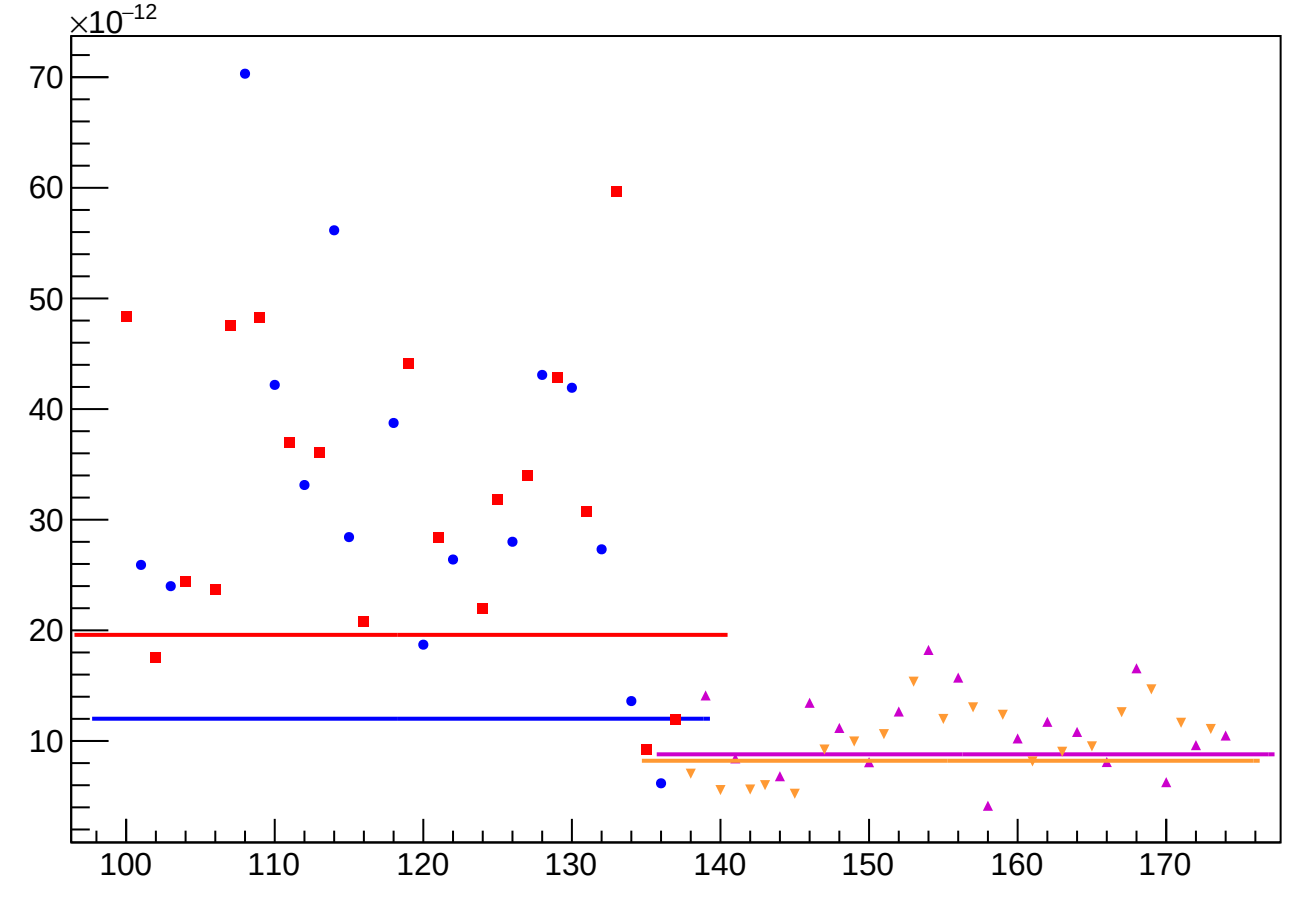
Left: -0.000+/-0.000 χ^2/NDF: 34.0/36

Right: -0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:31.8/33

Out: 0.000+/-0.000 χ^2/NDF:42.1/37

All: -0.000+/-0.000 χ^2/NDF: 73.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 3869196.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1994282.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2619469.9/18

Left In: 0.000+/-0.000 χ^2/NDF:2403926.8/17

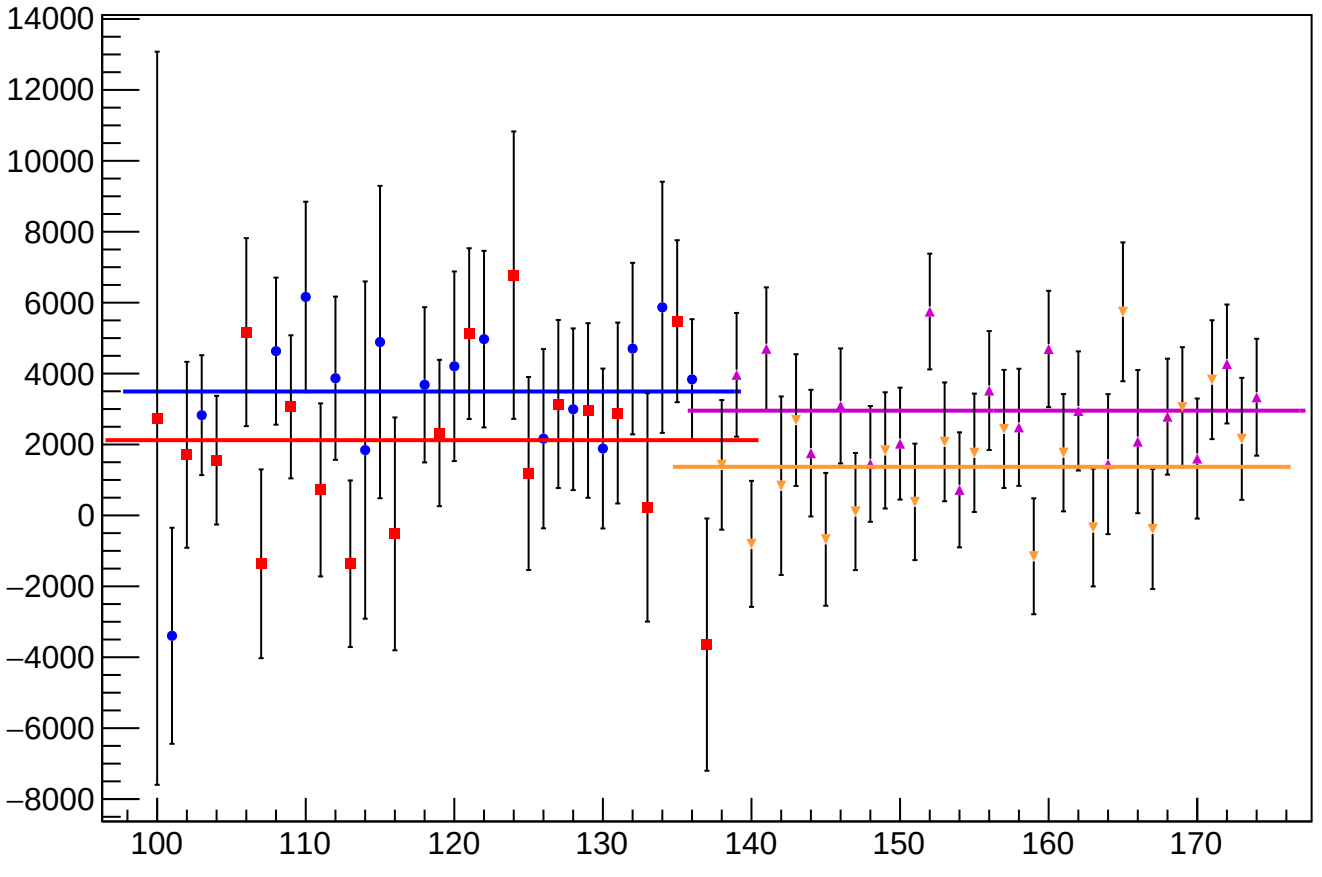
Left: 0.000+/-0.000 χ^2/NDF: 4436235.5/36

Right: 0.000+/-0.000 χ^2/NDF: 7170019.9/34

In: 0.000+/-0.000 χ^2/NDF:6584136.9/33

Out: 0.000+/-0.000 χ^2/NDF:6775143.7/37

All: 0.000+/-0.000 χ^2/NDF: 13367087.6/71



Right In: 3494.380+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1370.139+/-398.779 χ^2/NDF:17.8/18

Right Out: 2121.717+/-587.617 χ^2/NDF: 15.1/18

Left In: 2954.137+/-398.965 χ^2/NDF:11.2/17

Left: 2161.767+/-282.045 χ^2/NDF: 36.9/36

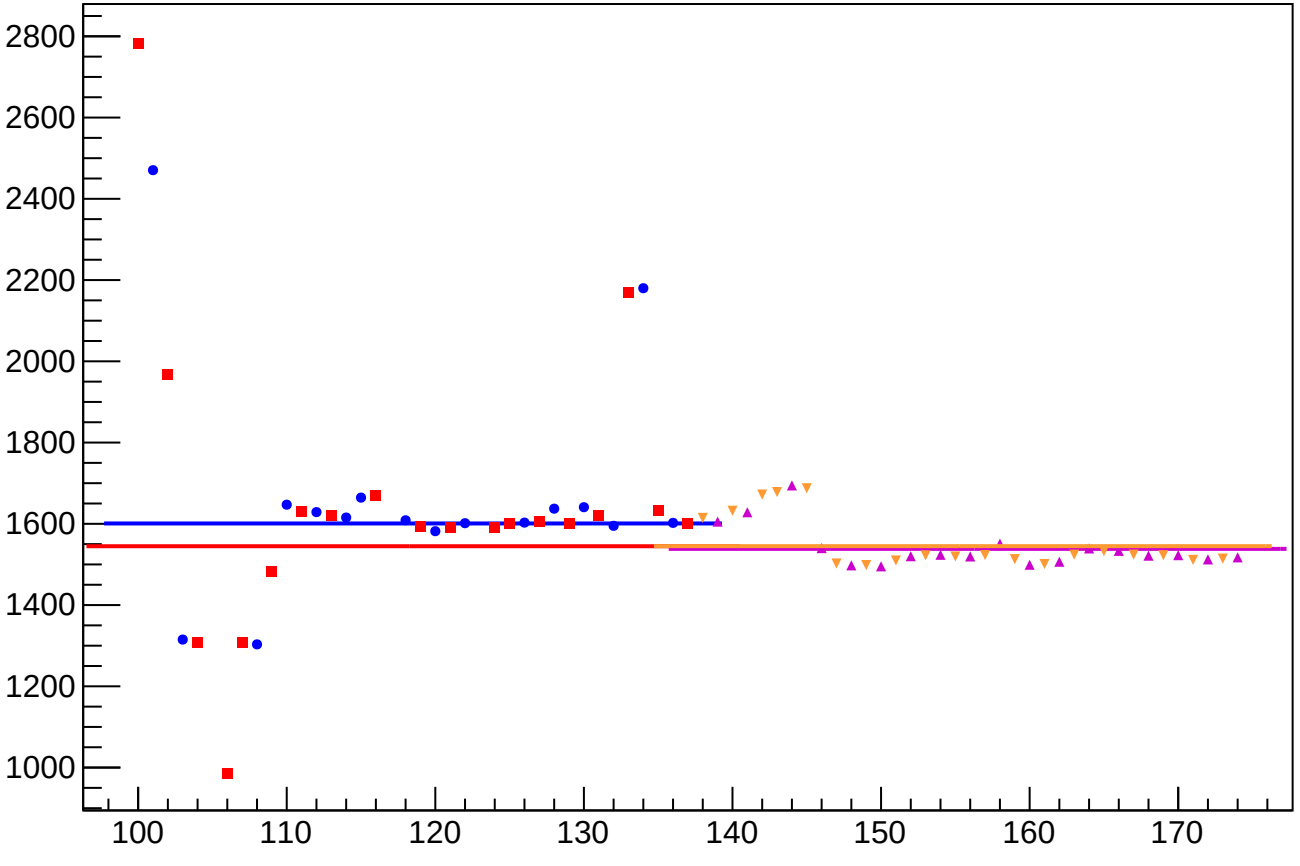
Right: 2792.384+/-420.223 χ^2/NDF: 26.6/34

In: 3119.317+/-332.424 χ^2/NDF:20.6/33

Out: 1607.131+/-329.970 χ^2/NDF:34.0/37

All: 2357.621+/-234.187 χ^2/NDF: 65.0/71

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317414.0/15

Left Out: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1544.809+/-0.409 χ^2/NDF: 376127.4/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

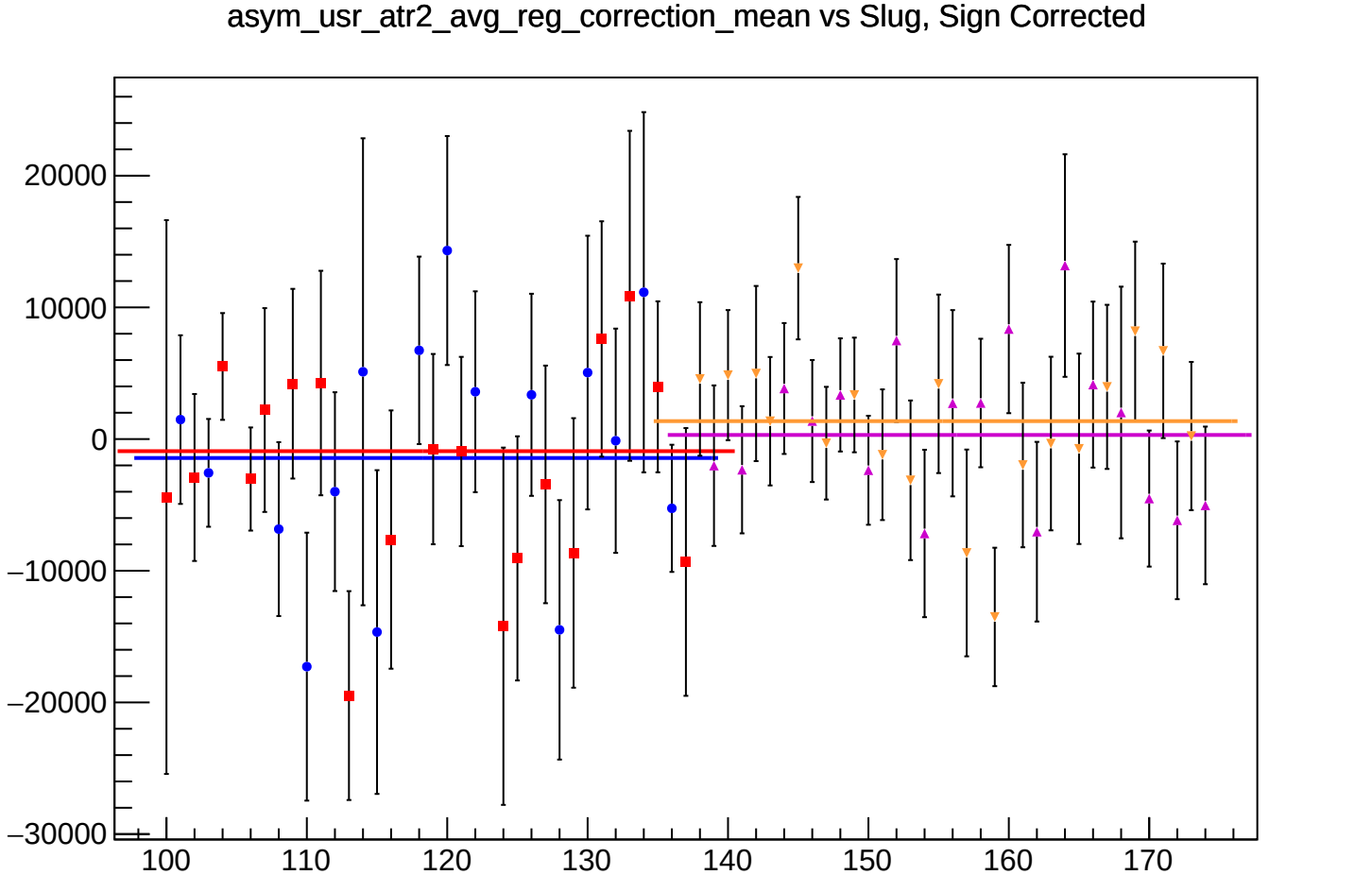
Left: 1541.690+/-0.199 χ^2/NDF: 74822.5/36

Right: 1571.734+/-0.295 χ^2/NDF: 702584.8/34

In: 1557.456+/-0.235 χ^2/NDF:362634.7/33

Out: 1544.970+/-0.232 χ^2/NDF:420476.0/37

All: 1551.133+/-0.165 χ^2/NDF: 784539.4/71



Right In: -1437.118+/-1848.287 χ^2/NDF: 13.9/15

Left Out: 1362.345+/-1304.105 χ^2/NDF:19.0/18

Right Out: -918.485+/-1669.278 χ^2/NDF: 15.3/18

Left In: 311.613+/-1322.696 χ^2/NDF:13.3/17

Left: 844.415+/-928.644 χ^2/NDF: 32.6/36

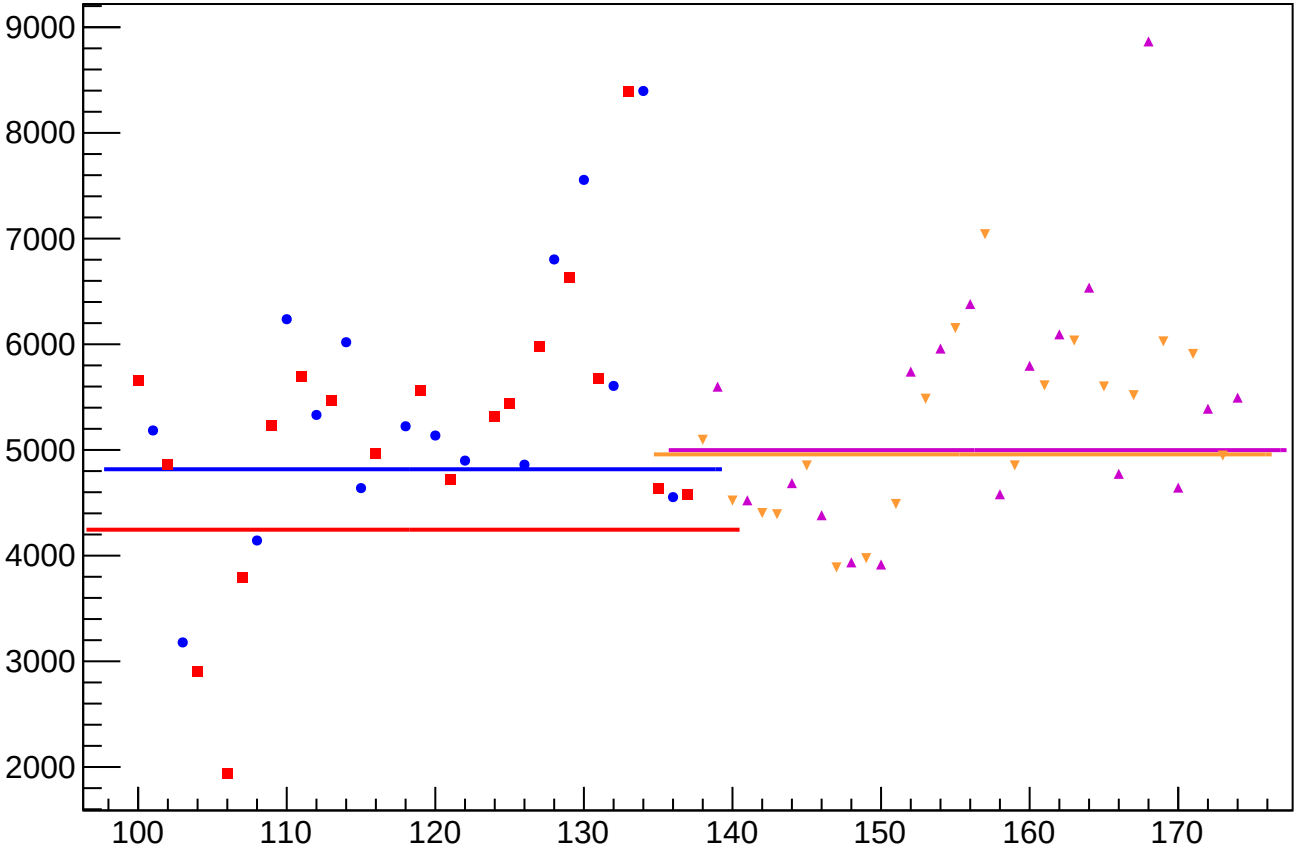
Right: -1151.477+/-1238.823 χ^2/NDF: 29.2/34

In: -280.650+/-1075.636 χ^2/NDF:27.8/33

Out: 497.886+/-1027.672 χ^2/NDF:35.5/37

All: 126.362+/-743.052 χ^2/NDF: 63.5/71

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: 4958.008+/-0.922 χ^2/NDF:719509.5/18

Right Out: 4245.533+/-1.180 χ^2/NDF: 1683159.2/18

Left In: 4998.353+/-0.935 χ^2/NDF:1017264.3/17

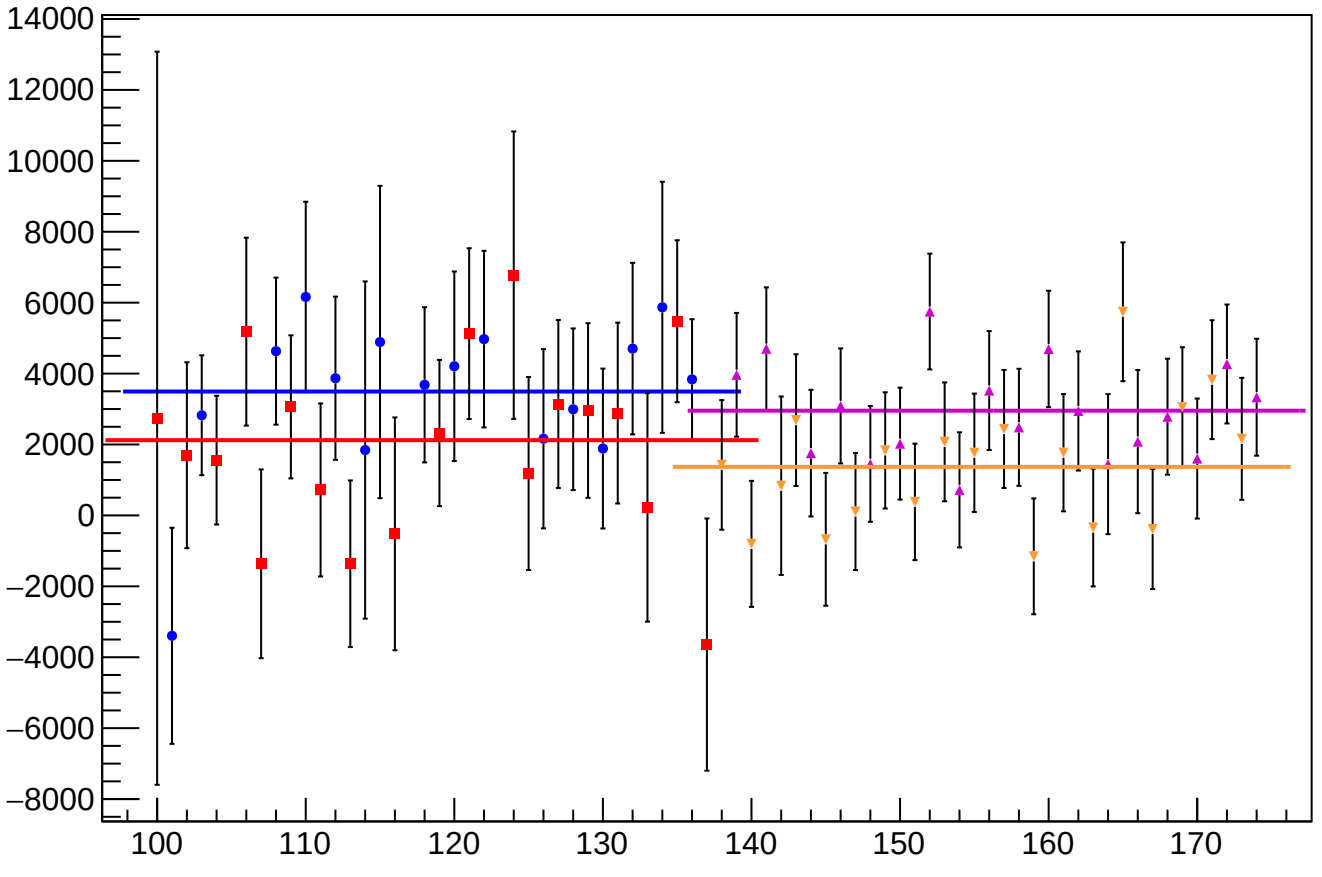
Left: 4977.895+/-0.657 χ^2/NDF: 1737717.3/36

Right: 4502.414+/-0.876 χ^2/NDF: 2584018.5/34

In: 4937.048+/-0.761 χ^2/NDF:1825380.8/33

Out: 4687.972+/-0.727 χ^2/NDF:2628922.5/37

All: 4806.833+/-0.525 χ^2/NDF: 4510368.3/71



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1370.017+/-398.779 χ^2/NDF:17.8/18

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2954.060+/-398.965 χ^2/NDF:11.2/17

Left: 2161.667+/-282.045 χ^2/NDF: 36.9/36

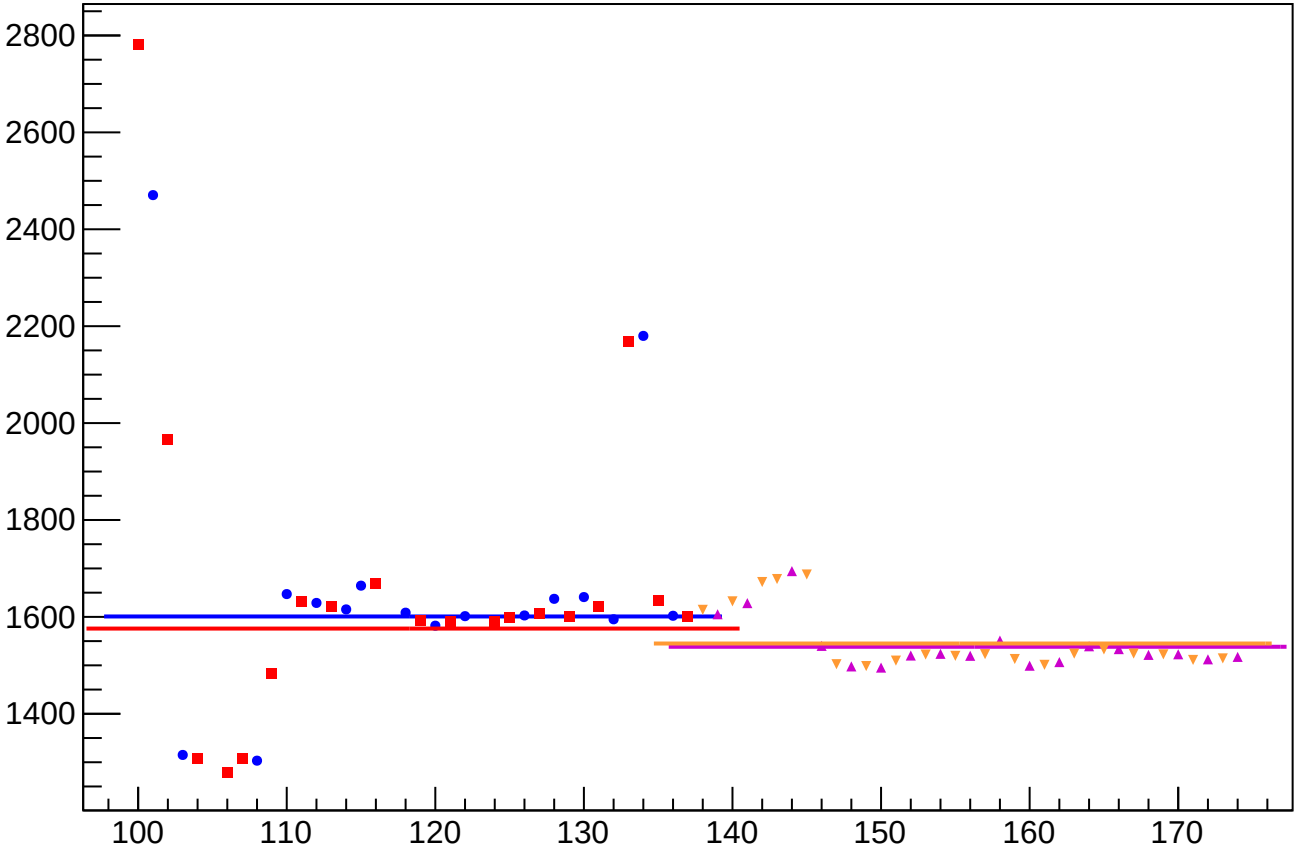
Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3119.162+/-332.424 χ^2/NDF:20.6/33

Out: 1607.043+/-329.970 χ^2/NDF:34.0/37

All: 2357.500+/-234.187 χ^2/NDF: 65.1/71

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

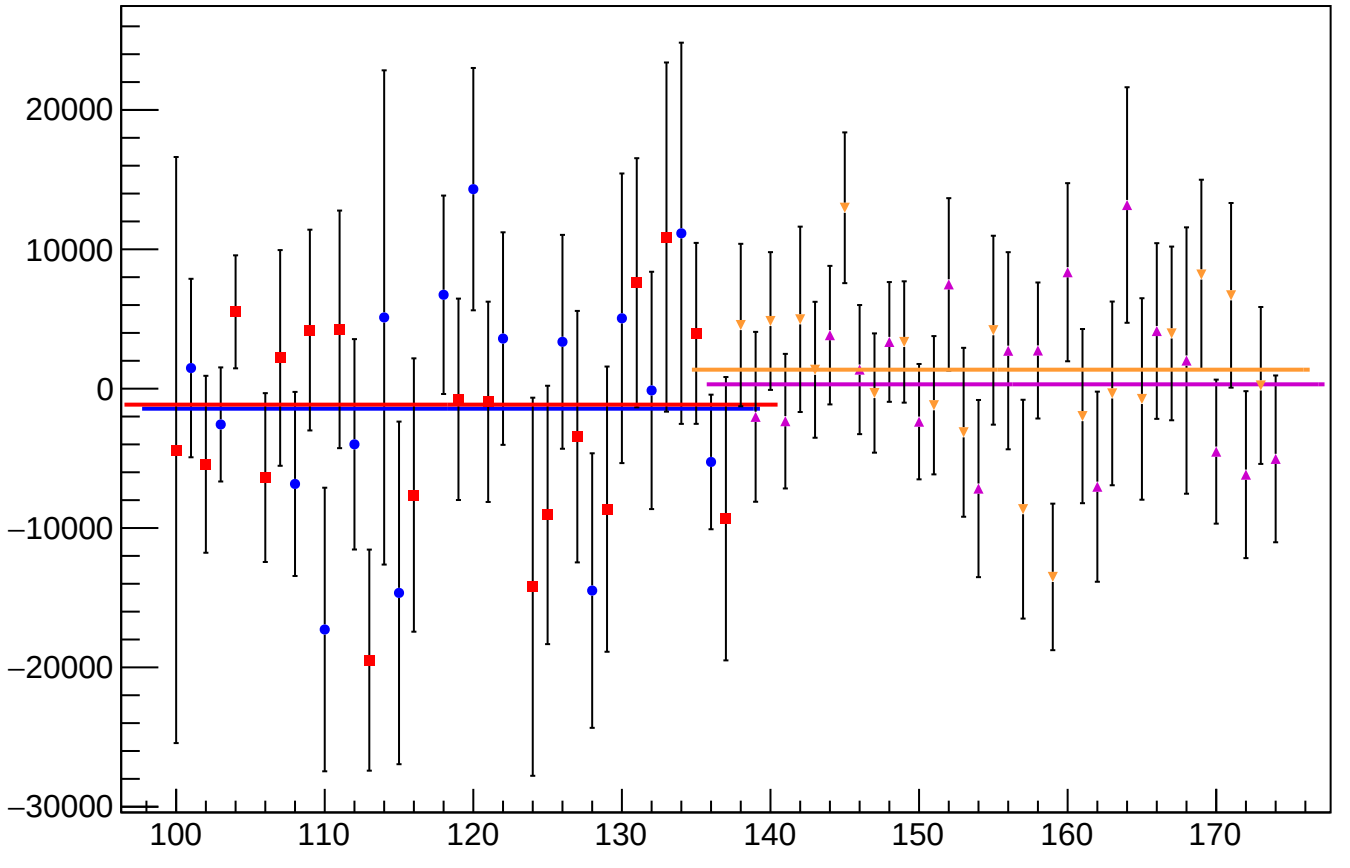
Left: 1541.690+/-0.199 χ^2/NDF: 74822.5/36

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1557.456+/-0.235 χ^2/NDF:362634.0/33

Out: 1554.828+/-0.233 χ^2/NDF:291476.0/37

All: 1556.130+/-0.165 χ^2/NDF: 654173.0/71



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1362.329+/-1304.102 χ^2/NDF:19.0/18

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 311.642+/-1322.696 χ^2/NDF:13.3/17

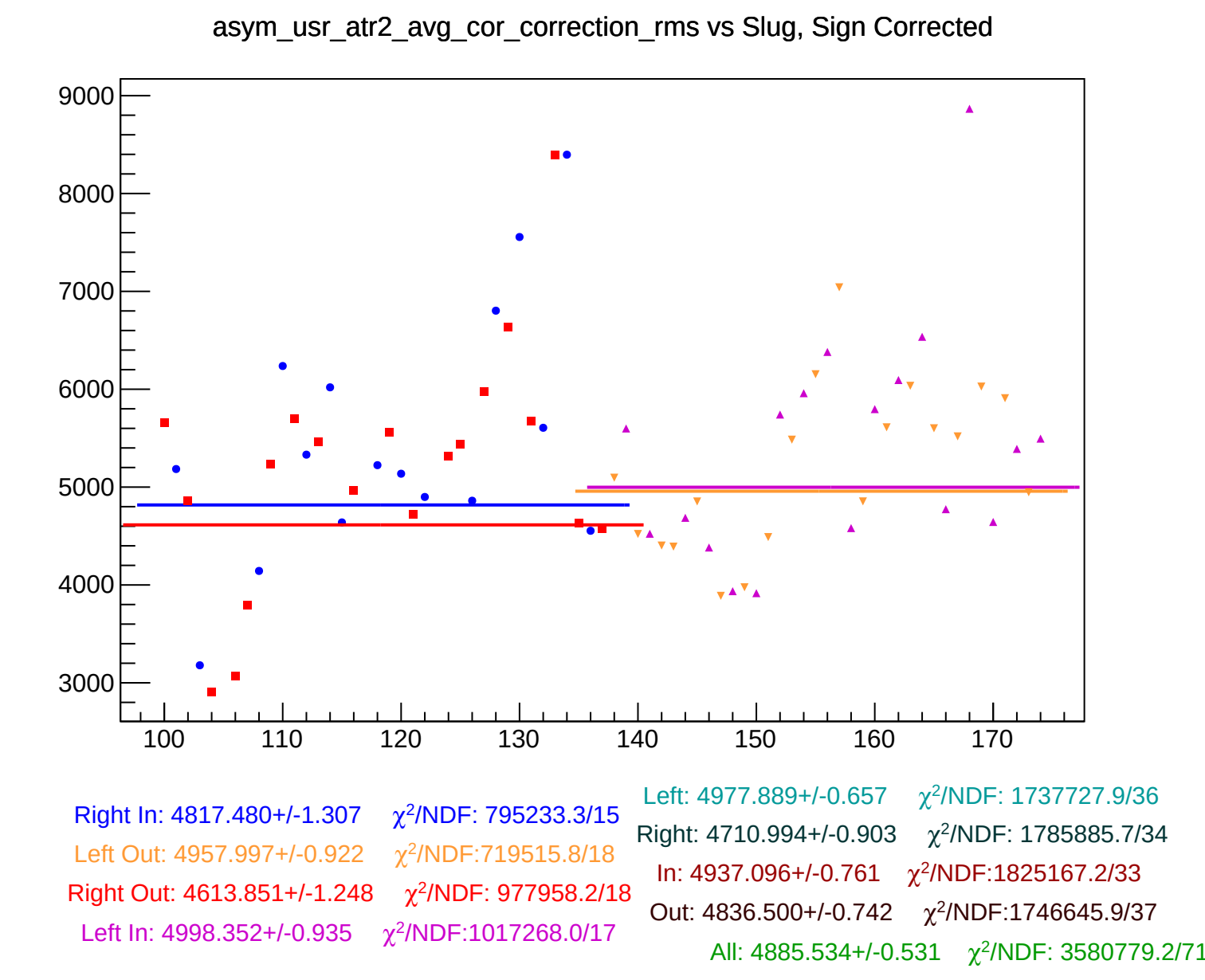
Left: 844.423+/-928.643 χ^2/NDF: 32.6/36

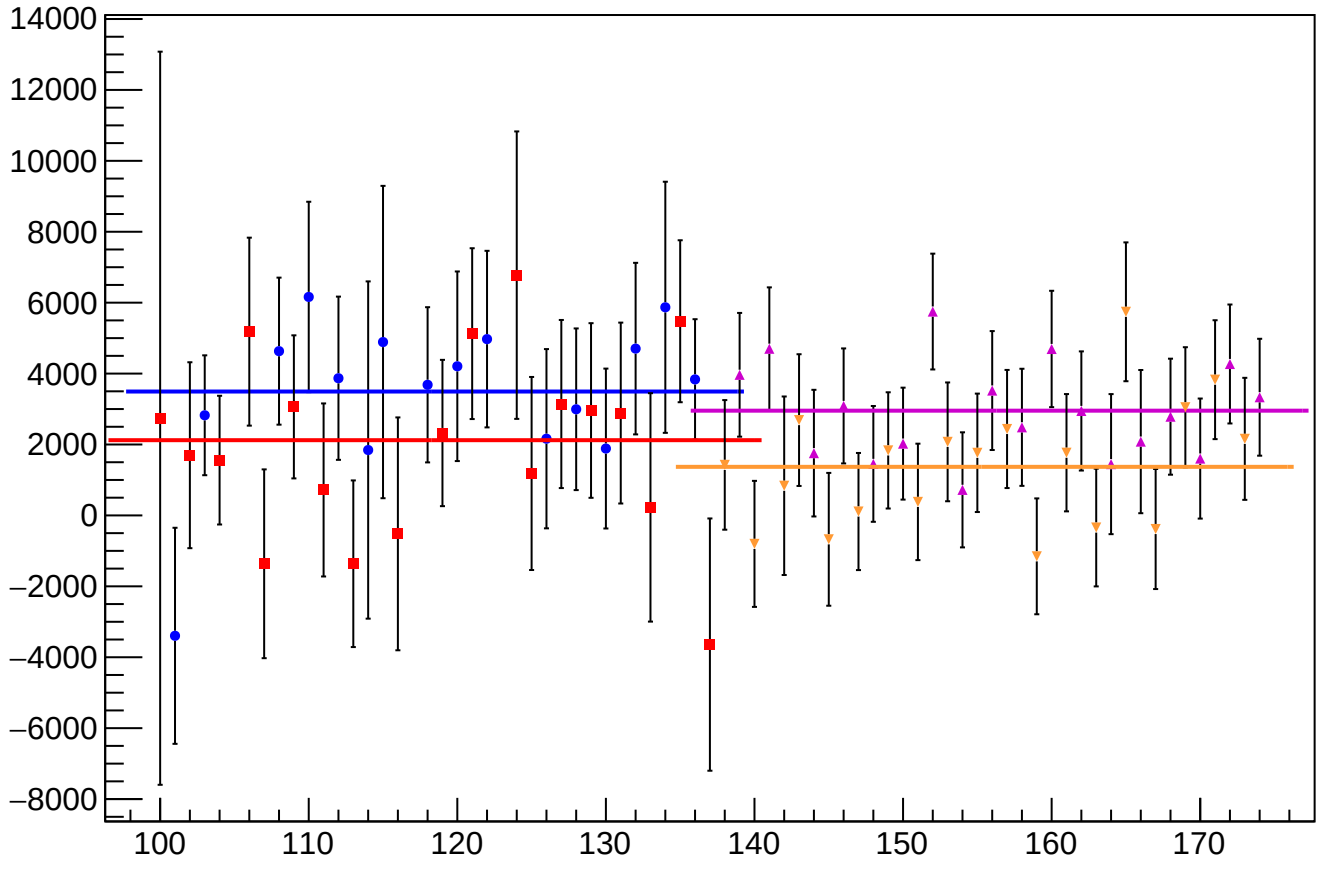
Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -280.698+/-1075.643 χ^2/NDF:27.8/33

Out: 476.730+/-1048.940 χ^2/NDF:36.6/37

All: 107.534+/-750.975 χ^2/NDF: 64.6/71


asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 4817.480+/-1.307 χ²/NDF: 795233.3/15
Left Out: 4957.997+/-0.922 χ²/NDF:719515.8/18
Right Out: 4613.851+/-1.248 χ²/NDF: 977958.2/18
Left In: 4998.352+/-0.935 χ²/NDF:1017268.0/17
Left: 4977.889+/-0.657 χ²/NDF: 1737727.9/36
Right: 4710.994+/-0.903 χ²/NDF: 1785885.7/34
In: 4937.096+/-0.761 χ²/NDF:1825167.2/33
Out: 4836.500+/-0.742 χ²/NDF:1746645.9/37
All: 4885.534+/-0.531 χ²/NDF: 3580779.2/71



Right In: 3494.046+/-601.185 χ^2/NDF: 8.8/15

Left Out: 1370.017+/-398.779 χ^2/NDF:17.8/18

Right Out: 2121.708+/-587.619 χ^2/NDF: 15.1/18

Left In: 2954.060+/-398.965 χ^2/NDF:11.2/17

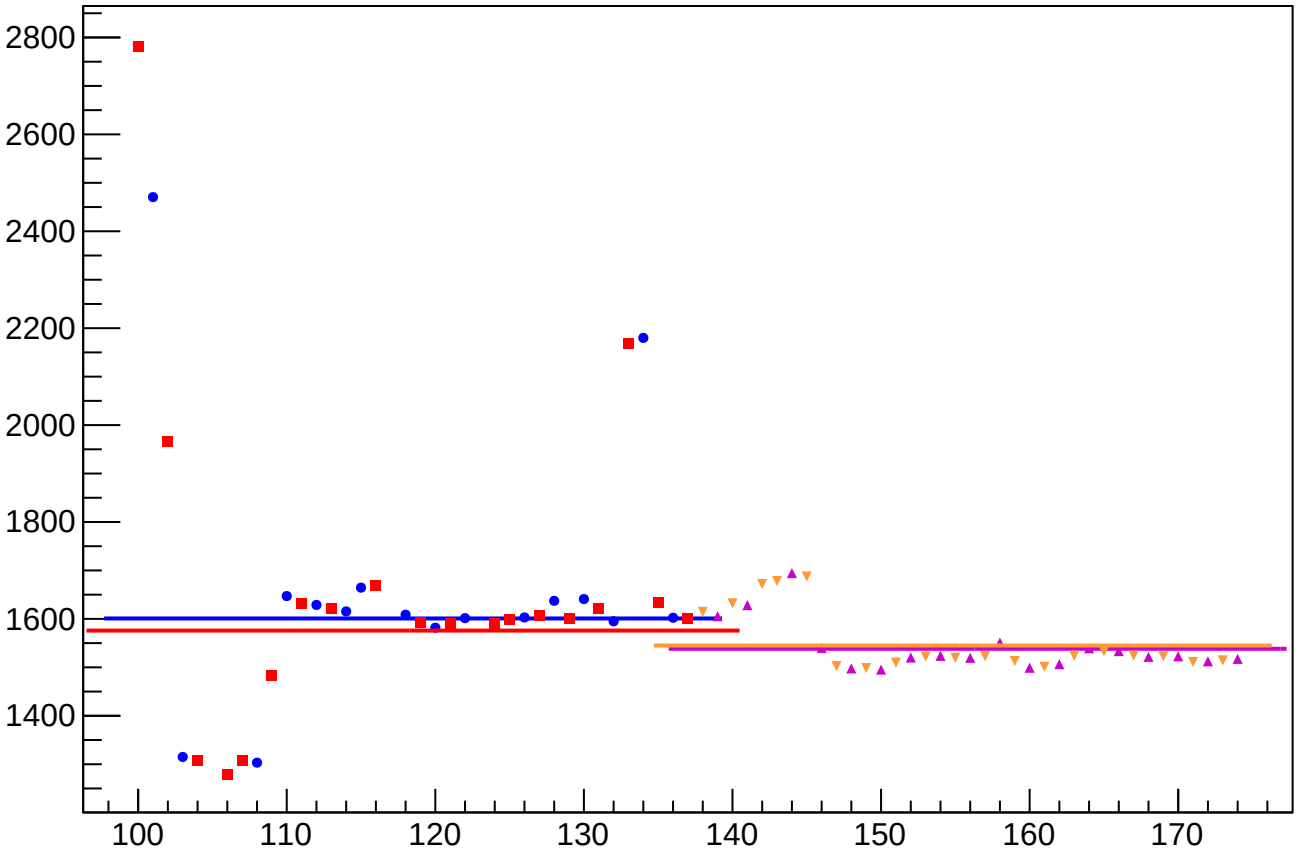
Left: 2161.667+/-282.045 χ^2/NDF: 36.9/36

Right: 2792.219+/-420.224 χ^2/NDF: 26.6/34

In: 3119.162+/-332.424 χ^2/NDF:20.6/33

Out: 1607.043+/-329.970 χ^2/NDF:34.0/37

All: 2357.500+/-234.187 χ^2/NDF: 65.1/71



Right In: 1600.880+/-0.425 χ^2/NDF: 317413.1/15

Left Out: 1545.046+/-0.282 χ^2/NDF:44348.4/18

Right Out: 1575.900+/-0.414 χ^2/NDF: 243332.0/18

Left In: 1538.331+/-0.282 χ^2/NDF:30190.7/17

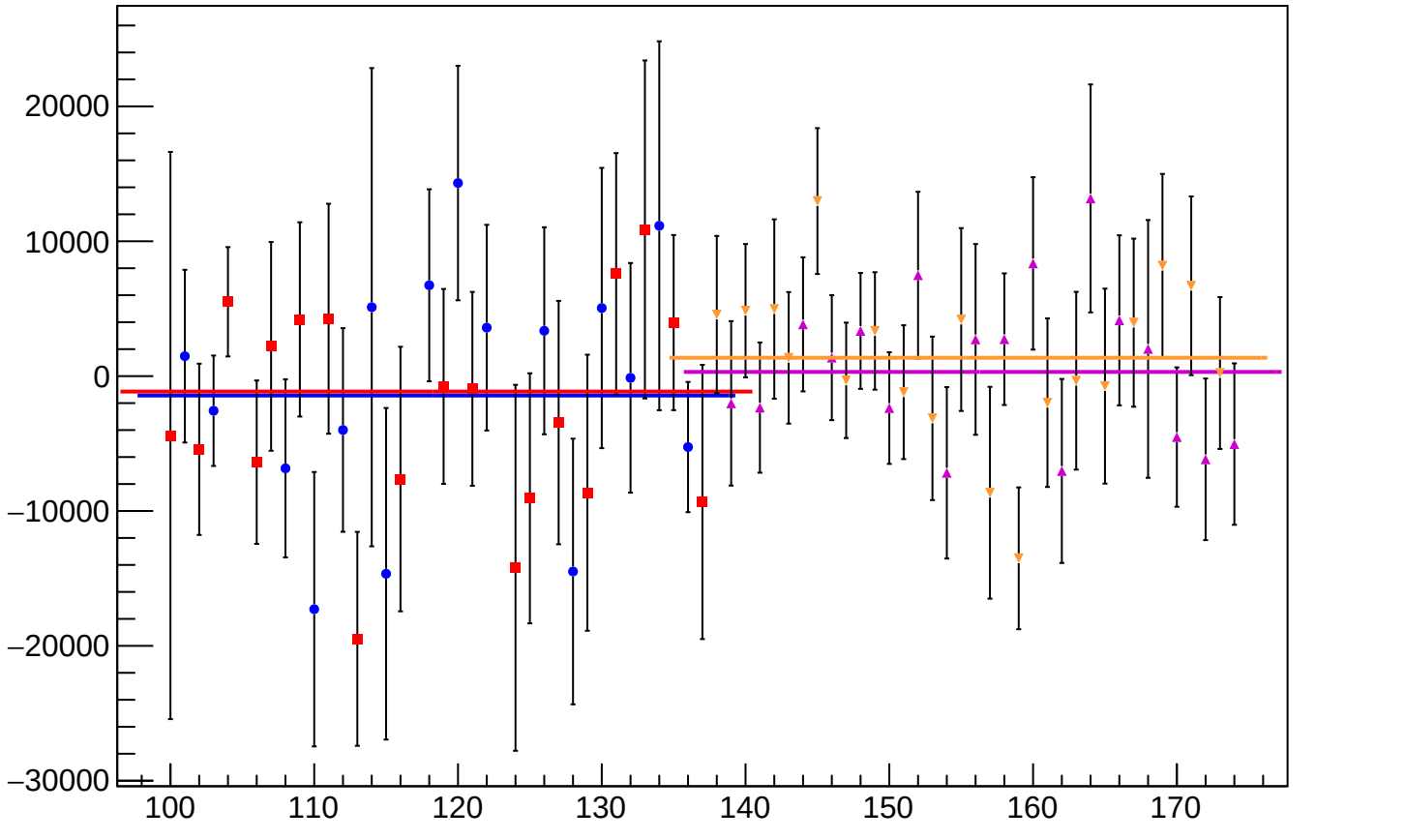
Left: 1541.690+/-0.199 χ^2/NDF: 74822.5/36

Right: 1588.056+/-0.297 χ^2/NDF: 562517.7/34

In: 1557.456+/-0.235 χ^2/NDF:362634.0/33

Out: 1554.828+/-0.233 χ^2/NDF:291476.0/37

All: 1556.130+/-0.165 χ^2/NDF: 654173.0/71



Right In: -1437.362+/-1848.324 χ^2/NDF: 13.9/15

Left Out: 1362.329+/-1304.102 χ^2/NDF:19.0/18

Right Out: -1146.174+/-1765.384 χ^2/NDF: 16.3/18

Left In: 311.642+/-1322.696 χ^2/NDF:13.3/17

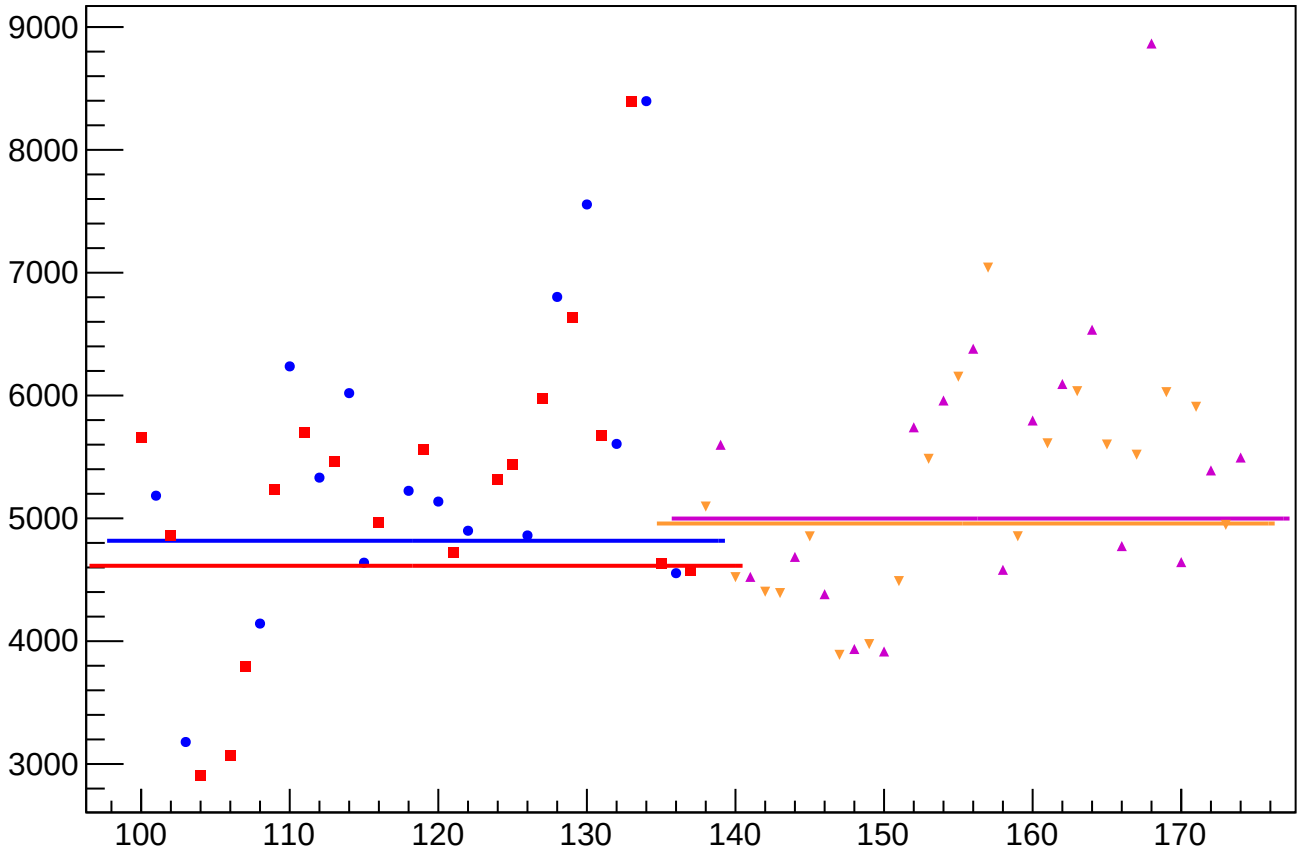
Left: 844.423+/-928.643 χ^2/NDF: 32.6/36

Right: -1285.089+/-1276.630 χ^2/NDF: 30.1/34

In: -280.698+/-1075.643 χ^2/NDF:27.8/33

Out: 476.730+/-1048.940 χ^2/NDF:36.6/37

All: 107.534+/-750.975 χ^2/NDF: 64.6/71



Right In: 4817.480+/-1.307 χ^2/NDF: 795233.3/15

Left Out: 4957.997+/-0.922 χ^2/NDF:719515.8/18

Right Out: 4613.851+/-1.248 χ^2/NDF: 977958.2/18

Left In: 4998.352+/-0.935 χ^2/NDF:1017268.0/17

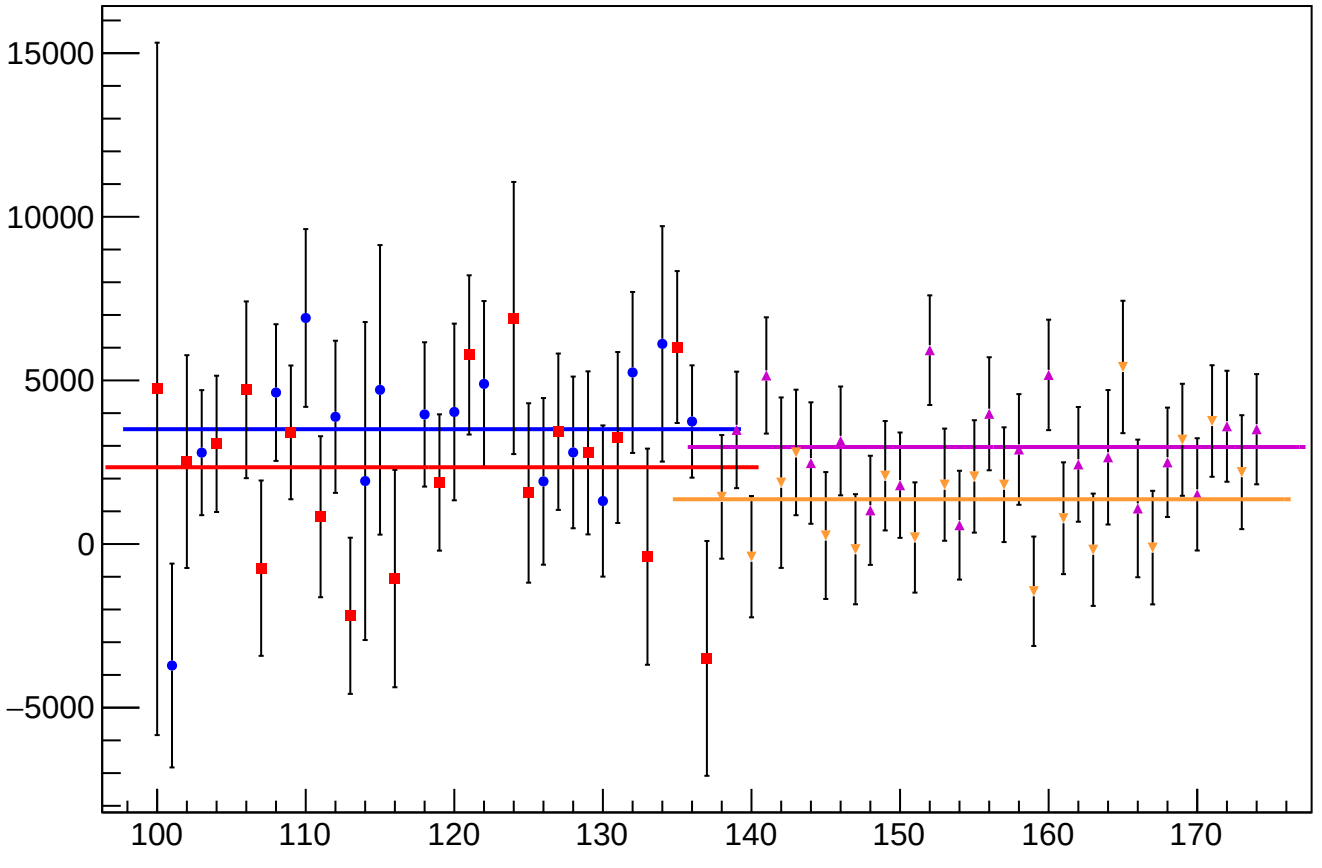
Left: 4977.889+/-0.657 χ^2/NDF: 1737727.9/36

Right: 4710.994+/-0.903 χ^2/NDF: 1785885.7/34

In: 4937.096+/-0.761 χ^2/NDF:1825167.2/33

Out: 4836.500+/-0.742 χ^2/NDF:1746645.9/37

All: 4885.534+/-0.531 χ^2/NDF: 3580779.2/71



Right In: 3509.507+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1368.829+/-409.738 χ^2/NDF:15.4/18

Right Out: 2346.859+/-607.502 χ^2/NDF: 17.1/18

Left In: 2964.559+/-409.284 χ^2/NDF:12.7/17

Left: 2167.580+/-289.568 χ^2/NDF: 35.7/36

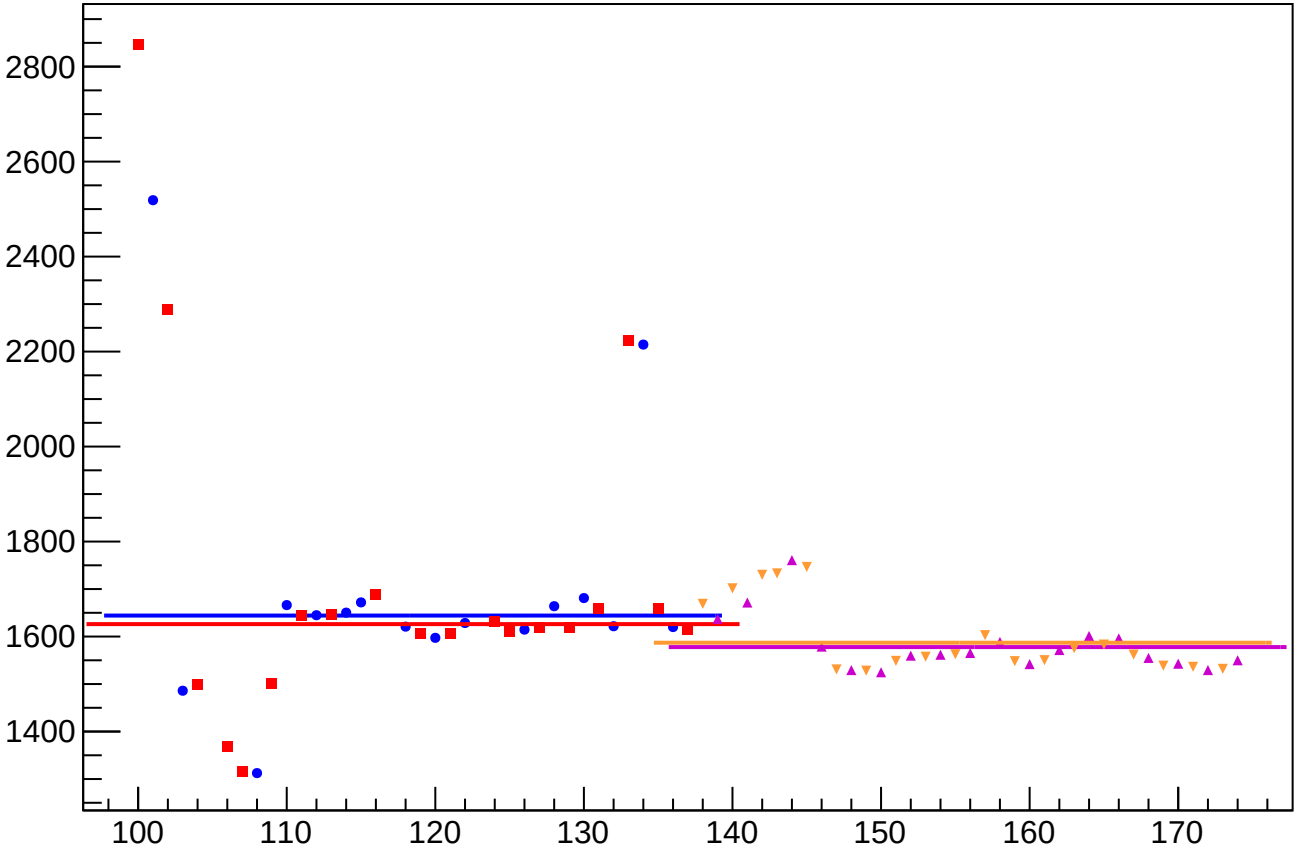
Right: 2919.425+/-432.793 χ^2/NDF: 29.3/34

In: 3131.181+/-341.020 χ^2/NDF:23.7/33

Out: 1674.628+/-339.695 χ^2/NDF:34.3/37

All: 2400.070+/-240.668 χ^2/NDF: 67.1/71

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1644.198+/-0.436 χ^2/NDF: 274817.9/15

Left Out: 1587.038+/-0.290 χ^2/NDF:57315.4/18

Right Out: 1626.174+/-0.429 χ^2/NDF: 237639.1/18

Left In: 1577.823+/-0.289 χ^2/NDF:36441.5/17

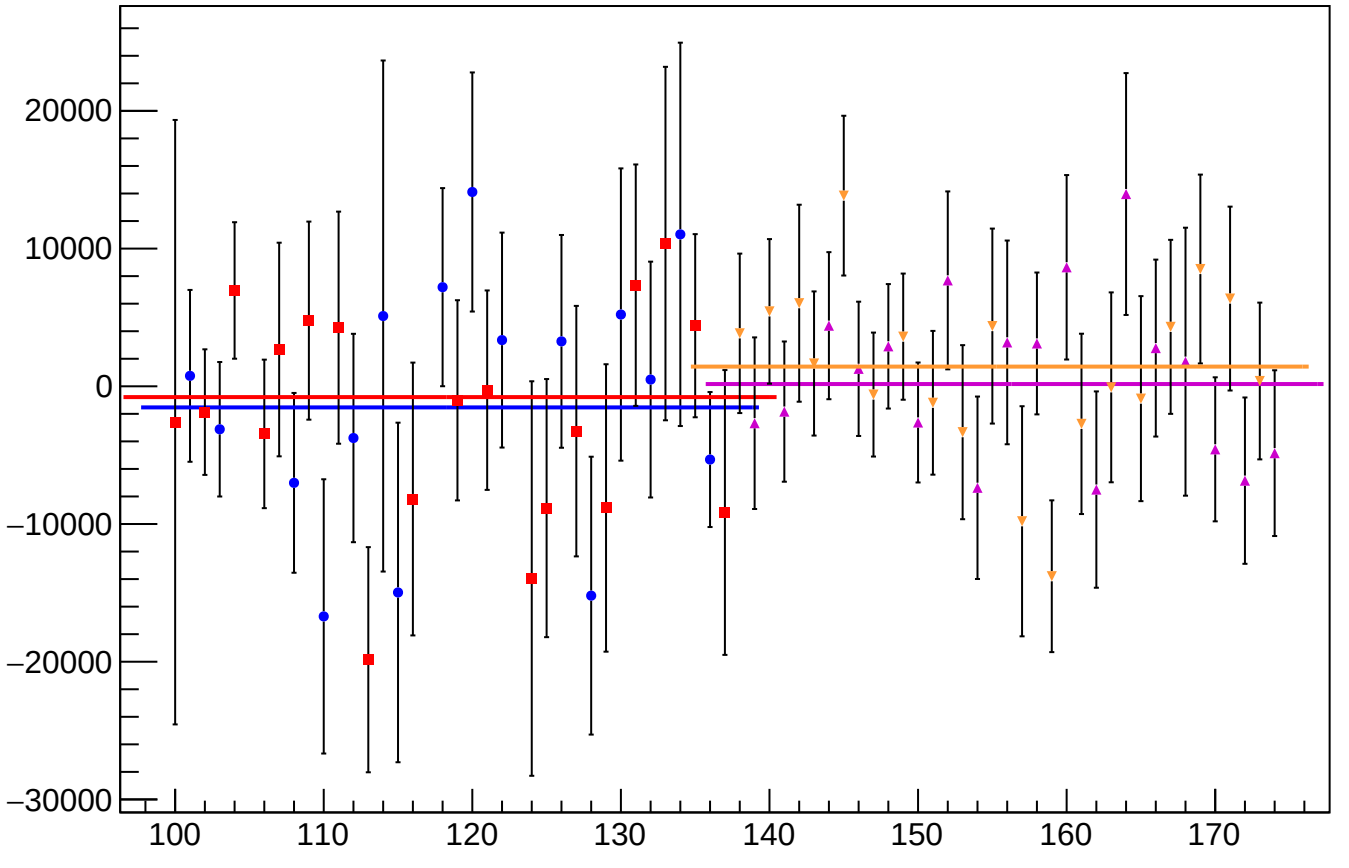
Left: 1582.425+/-0.205 χ^2/NDF: 94263.2/36

Right: 1635.043+/-0.306 χ^2/NDF: 513324.8/34

In: 1598.118+/-0.241 χ^2/NDF:327342.5/33

Out: 1599.289+/-0.240 χ^2/NDF:300666.5/37

All: 1598.706+/-0.170 χ^2/NDF: 628020.8/71



Right In: -1532.110+/-1913.799 χ^2/NDF: 13.9/15

Left Out: 1430.282+/-1360.954 χ^2/NDF:19.0/18

Right Out: -784.235+/-1748.566 χ^2/NDF: 15.0/18

Left In: 164.112+/-1377.295 χ^2/NDF:13.3/17

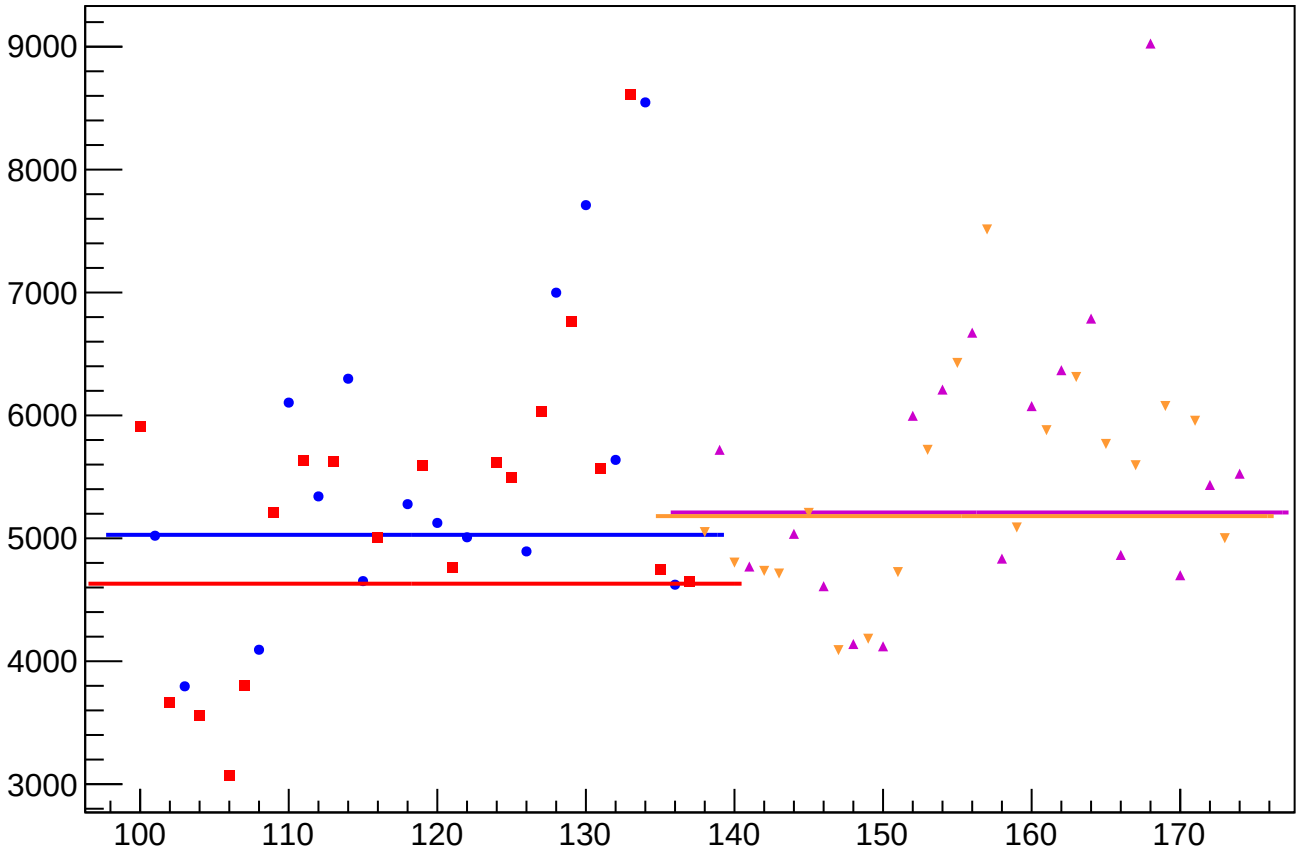
Left: 804.753+/-968.065 χ^2/NDF: 32.7/36

Right: -1124.500+/-1290.893 χ^2/NDF: 29.0/34

In: -414.644+/-1117.899 χ^2/NDF:27.6/33

Out: 594.847+/-1073.987 χ^2/NDF:35.1/37

All: 110.318+/-774.482 χ^2/NDF: 63.1/71



Right In: 5028.449+/-1.353 χ^2/NDF: 565469.4/15

Left Out: 5180.768+/-0.962 χ^2/NDF:656500.3/18

Right Out: 4630.901+/-1.236 χ^2/NDF: 863515.0/18

Left In: 5210.392+/-0.974 χ^2/NDF:953247.2/17

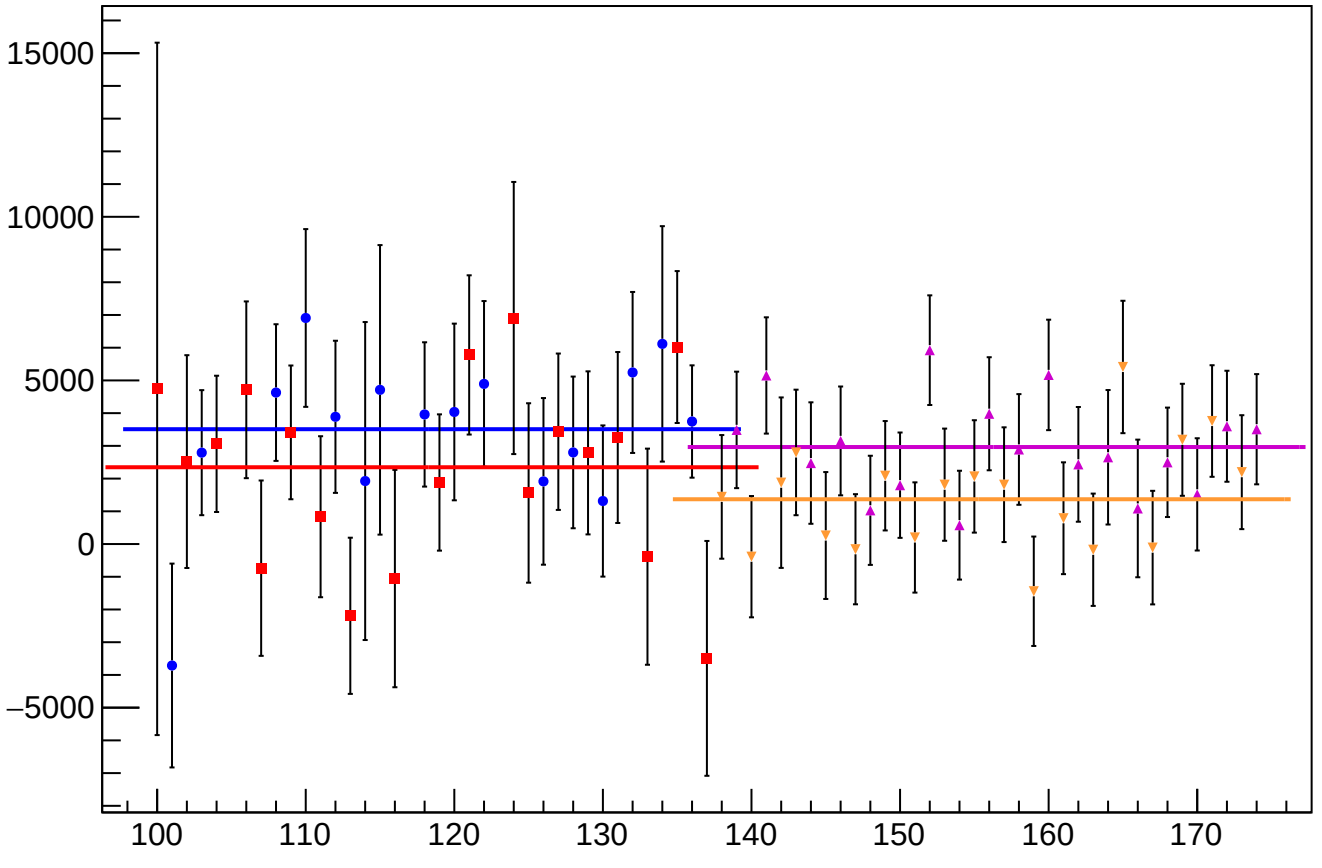
Left: 5195.403+/-0.685 χ^2/NDF: 1610215.6/36

Right: 4811.776+/-0.913 χ^2/NDF: 1476020.7/34

In: 5148.313+/-0.790 χ^2/NDF:1530625.2/33

Out: 4973.328+/-0.759 χ^2/NDF:1643181.7/37

All: 5057.316+/-0.548 χ^2/NDF: 3199289.7/71



Right In: 3509.509+/-616.724 χ^2/NDF: 10.4/15

Left Out: 1368.822+/-409.739 χ^2/NDF:15.4/18

Right Out: 2346.865+/-607.502 χ^2/NDF: 17.1/18

Left In: 2964.562+/-409.284 χ^2/NDF:12.7/17

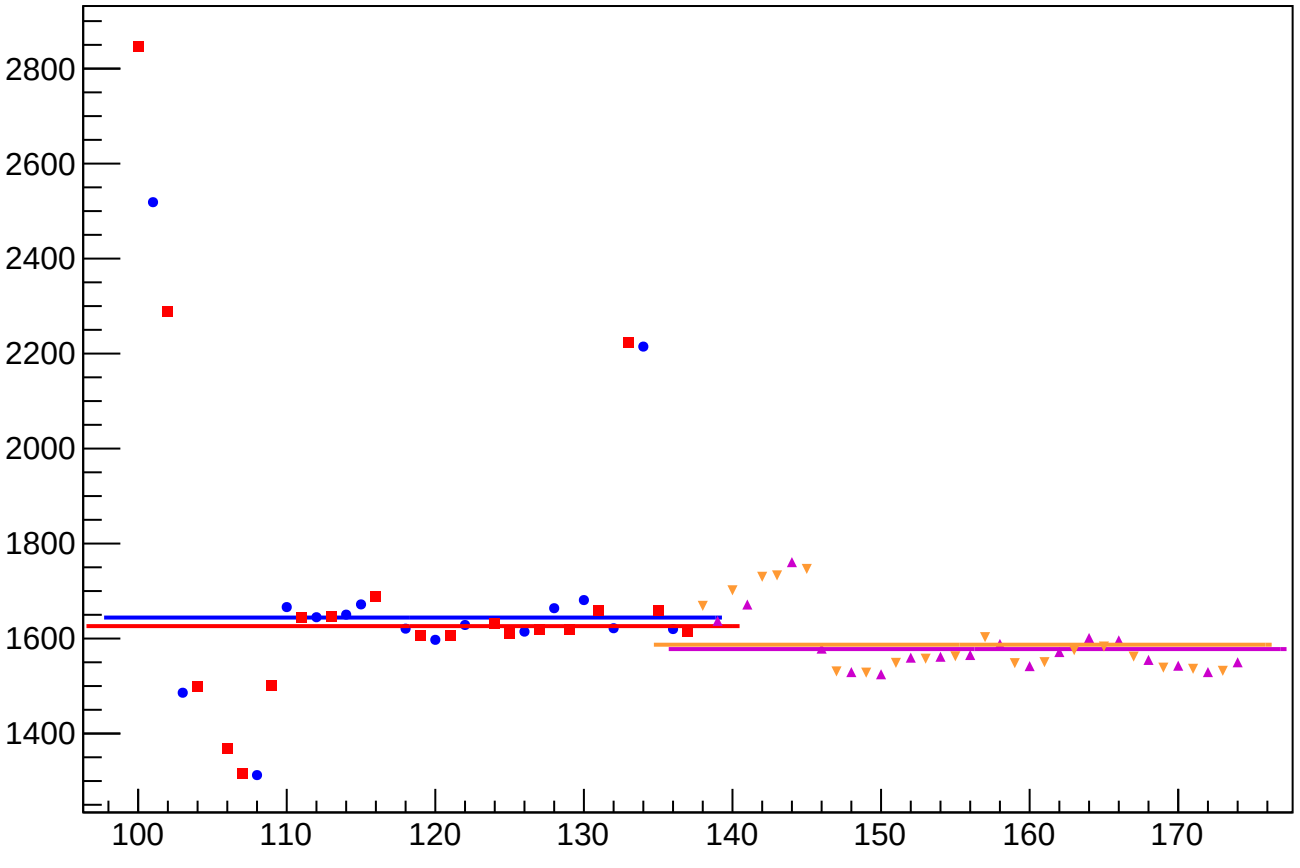
Left: 2167.577+/-289.568 χ^2/NDF: 35.7/36

Right: 2919.429+/-432.792 χ^2/NDF: 29.3/34

In: 3131.184+/-341.020 χ^2/NDF:23.7/33

Out: 1674.625+/-339.696 χ^2/NDF:34.3/37

All: 2400.070+/-240.668 χ^2/NDF: 67.1/71



Right In: 1644.198+/-0.436 χ^2/NDF: 274818.1/15

Left Out: 1587.039+/-0.290 χ^2/NDF:57315.6/18

Right Out: 1626.174+/-0.429 χ^2/NDF: 237638.8/18

Left In: 1577.824+/-0.289 χ^2/NDF:36441.6/17

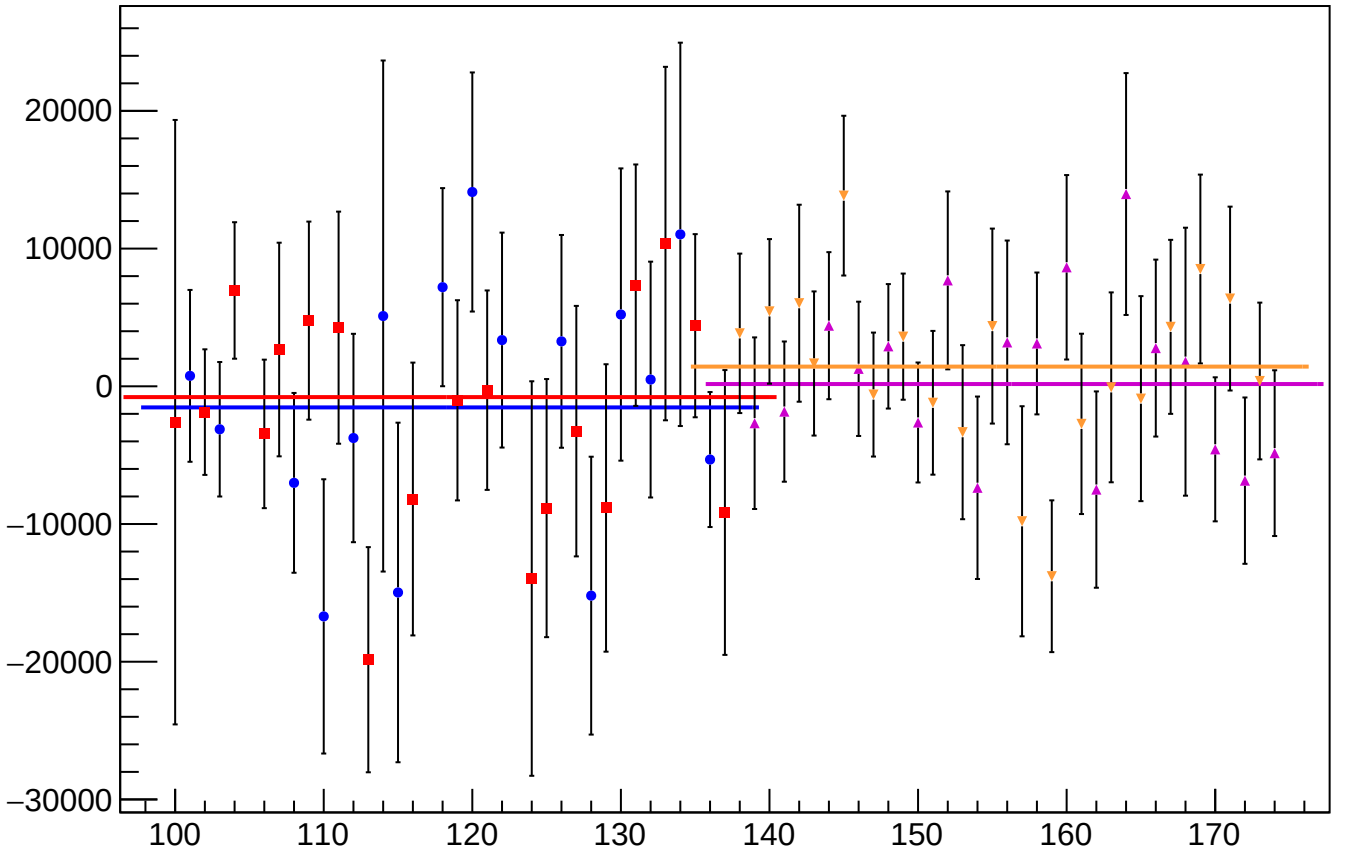
Left: 1582.427+/-0.205 χ^2/NDF: 94263.5/36

Right: 1635.042+/-0.306 χ^2/NDF: 513324.5/34

In: 1598.119+/-0.241 χ^2/NDF:327341.8/33

Out: 1599.290+/-0.240 χ^2/NDF:300665.9/37

All: 1598.707+/-0.170 χ^2/NDF: 628019.6/71



Right In: -1532.095+/-1913.796 χ^2/NDF: 13.9/15

Left Out: 1430.280+/-1360.956 χ^2/NDF:19.0/18

Right Out: -784.236+/-1748.563 χ^2/NDF: 15.0/18

Left In: 164.110+/-1377.297 χ^2/NDF:13.3/17

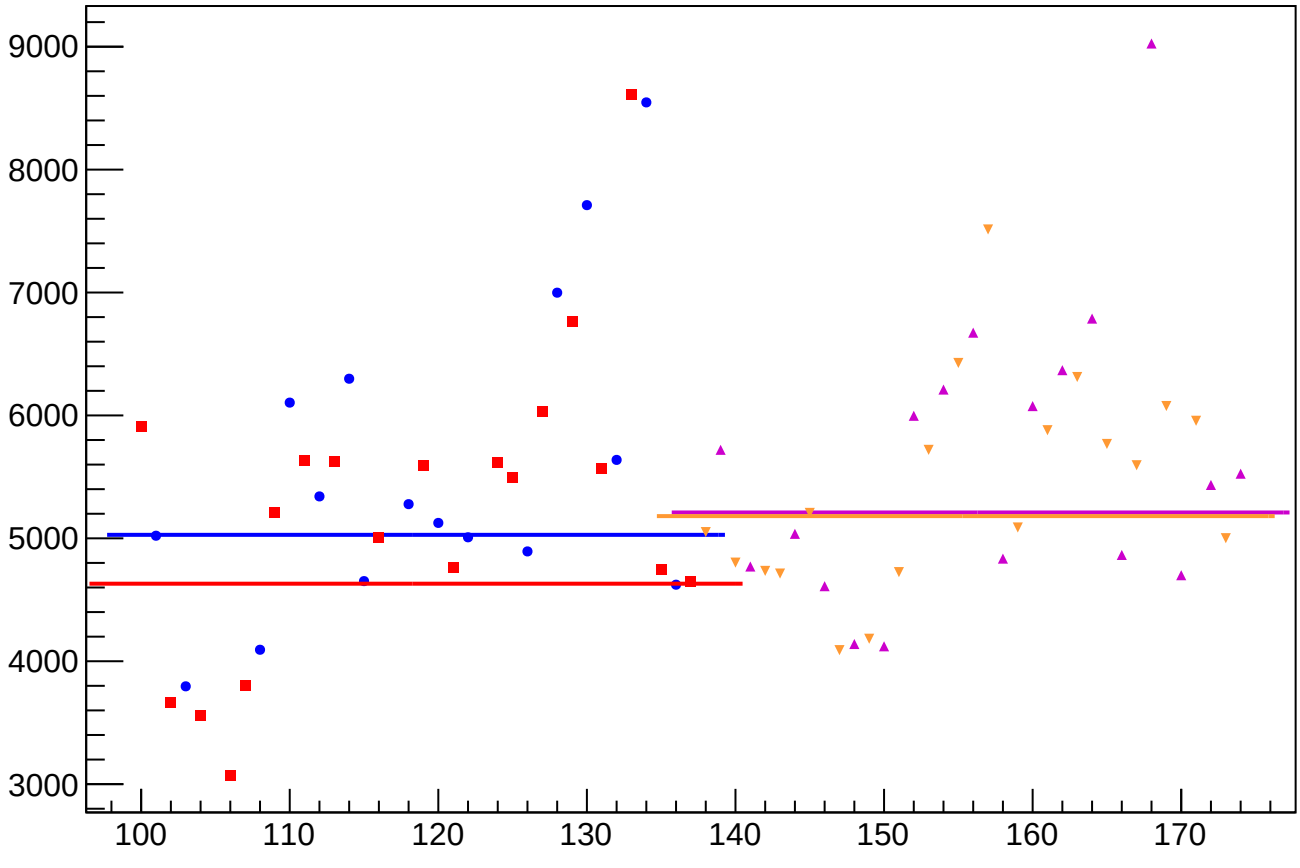
Left: 804.751+/-968.067 χ^2/NDF: 32.7/36

Right: -1124.493+/-1290.891 χ^2/NDF: 29.0/34

In: -414.642+/-1117.900 χ^2/NDF:27.6/33

Out: 594.841+/-1073.987 χ^2/NDF:35.1/37

All: 110.316+/-774.483 χ^2/NDF: 63.1/71



Right In: 5028.443+/-1.353 χ^2/NDF: 565463.1/15

Left Out: 5180.777+/-0.962 χ^2/NDF:656500.8/18

Right Out: 4630.895+/-1.236 χ^2/NDF: 863509.0/18

Left In: 5210.401+/-0.974 χ^2/NDF:953248.9/17

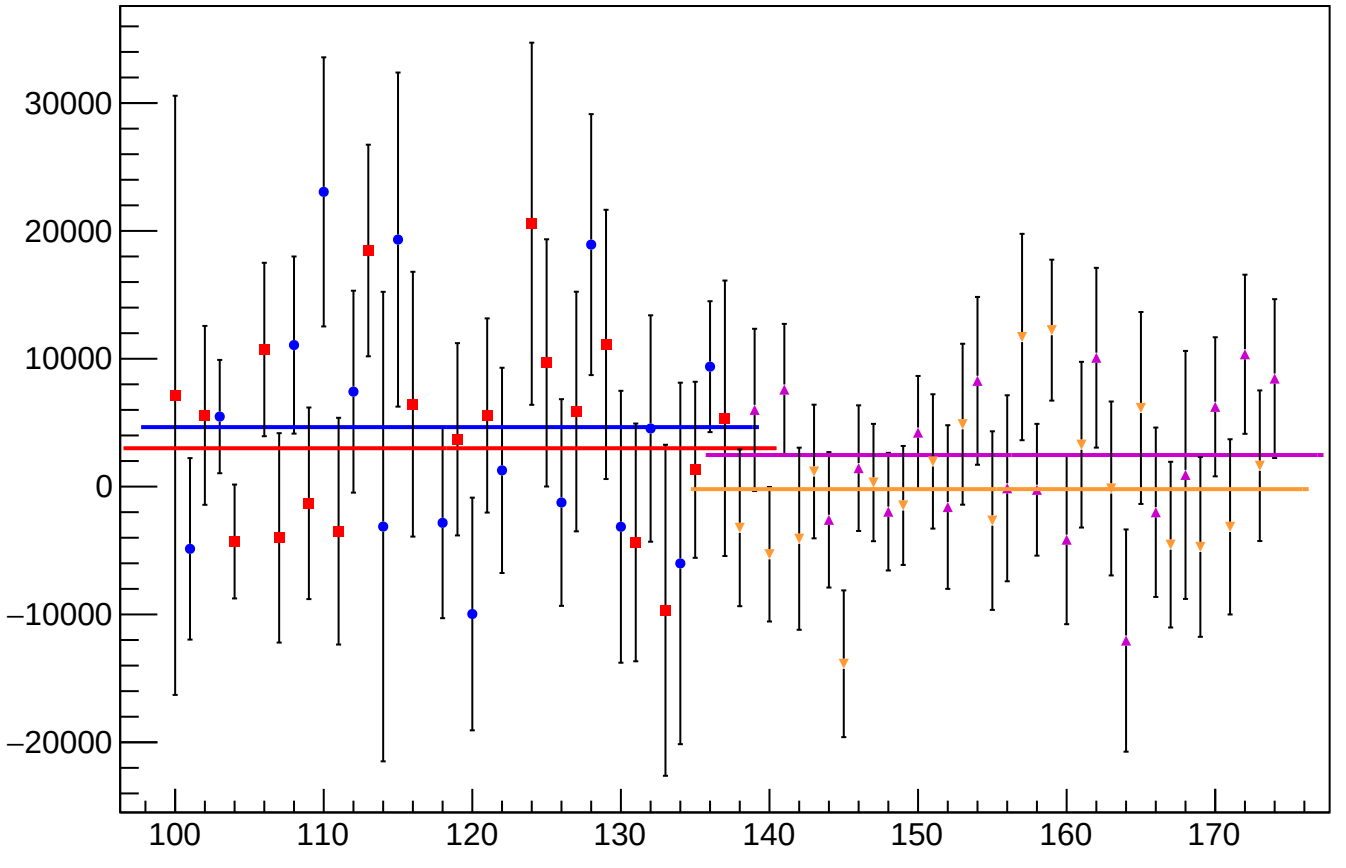
Left: 5195.412+/-0.685 χ^2/NDF: 1610217.8/36

Right: 4811.769+/-0.913 χ^2/NDF: 1476008.6/34

In: 5148.316+/-0.790 χ^2/NDF:1530622.6/33

Out: 4973.331+/-0.759 χ^2/NDF:1643183.2/37

All: 5057.319+/-0.548 χ^2/NDF: 3199288.9/71



Right In: 4653.137+/-1958.496 χ^2/NDF: 15.5/15

Left Out: -197.407+/-1372.846 χ^2/NDF:17.7/18

Right Out: 3000.980+/-1882.821 χ^2/NDF: 13.9/18

Left In: 2469.833+/-1390.239 χ^2/NDF:13.4/17

Left: 1119.424+/-976.840 χ^2/NDF: 32.9/36

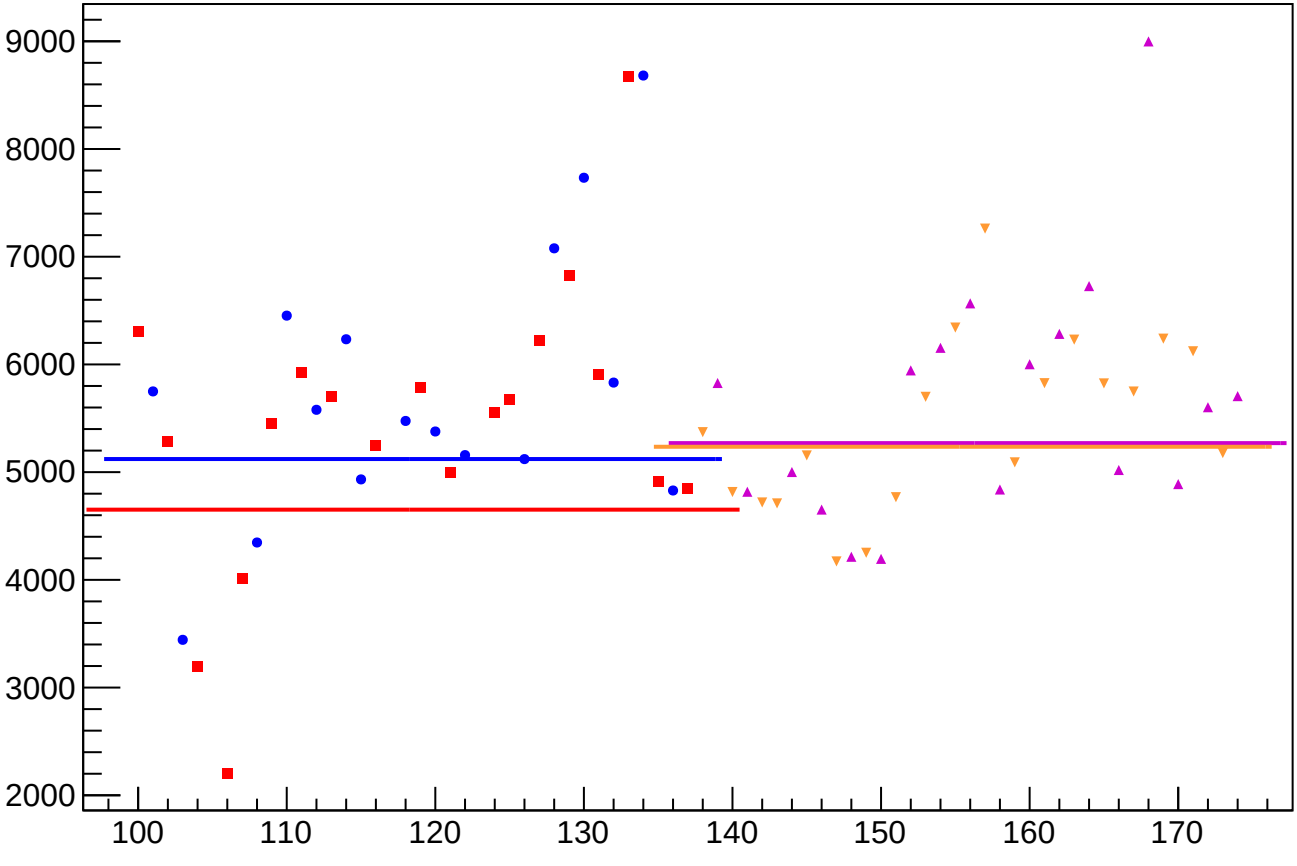
Right: 3794.523+/-1357.320 χ^2/NDF: 29.8/34

In: 3201.364+/-1133.657 χ^2/NDF:29.7/33

Out: 912.783+/-1109.283 χ^2/NDF:33.4/37

All: 2032.206+/-792.859 χ^2/NDF: 65.2/71

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 5121.644+/-1.385 χ^2/NDF: 720370.1/15

Left Out: 5235.629+/-0.971 χ^2/NDF:604731.2/18

Right Out: 4651.727+/-1.280 χ^2/NDF: 1344868.0/18

Left In: 5269.485+/-0.983 χ^2/NDF:872819.6/17

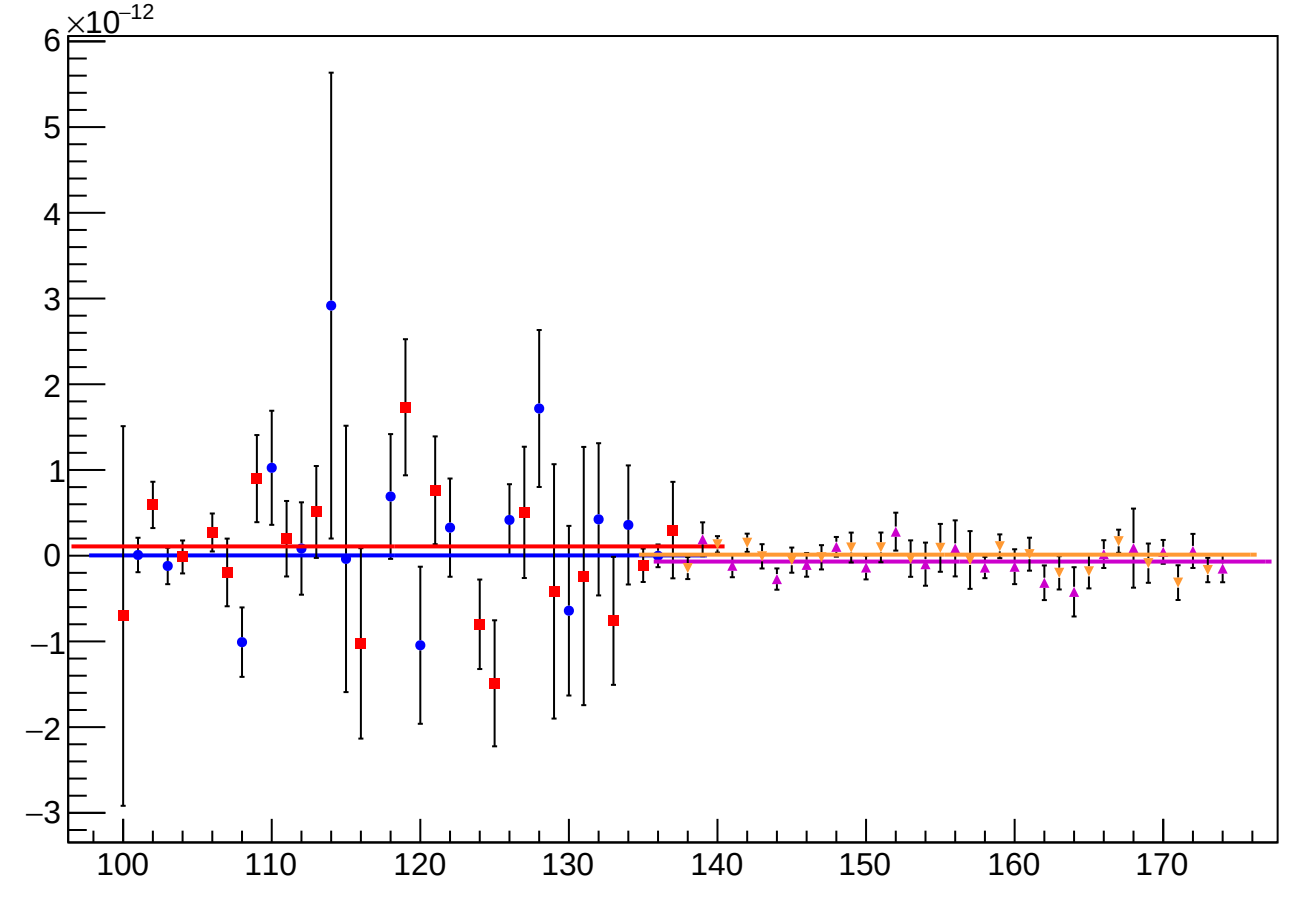
Left: 5252.344+/-0.691 χ^2/NDF: 1478151.3/36

Right: 4868.287+/-0.940 χ^2/NDF: 2127316.1/34

In: 5219.950+/-0.802 χ^2/NDF:1600767.8/33

Out: 5022.493+/-0.774 χ^2/NDF:2081662.0/37

All: 5117.704+/-0.557 χ^2/NDF: 3713848.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.1/18

Left In: -0.000+/-0.000 χ^2/NDF:15.0/17

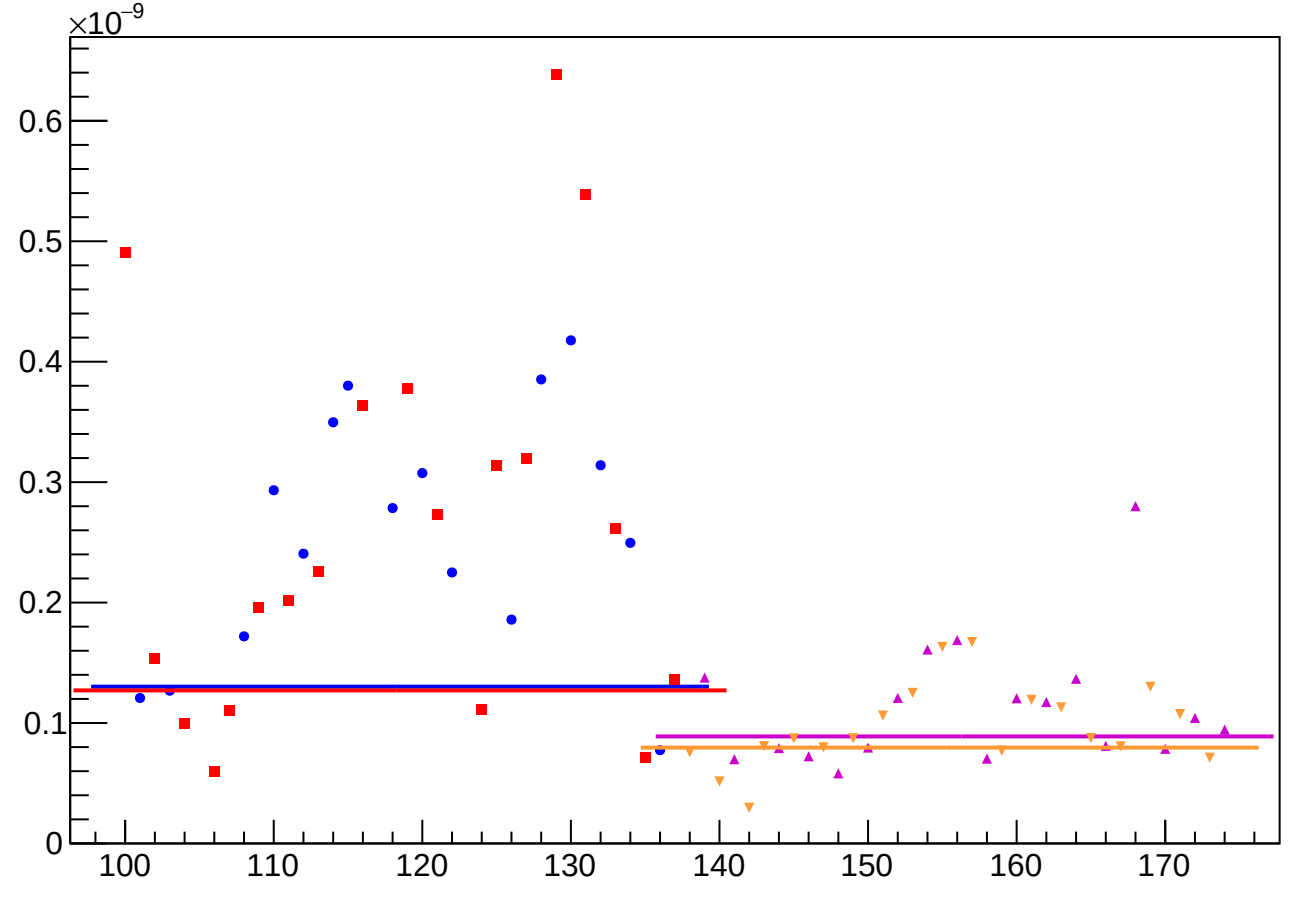
Left: -0.000+/-0.000 χ^2/NDF: 31.3/36

Right: 0.000+/-0.000 χ^2/NDF: 43.9/34

In: -0.000+/-0.000 χ^2/NDF:33.6/33

Out: 0.000+/-0.000 χ^2/NDF:40.1/37

All: -0.000+/-0.000 χ^2/NDF: 76.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 1329229.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1368668.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1734331.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1241069.0/17

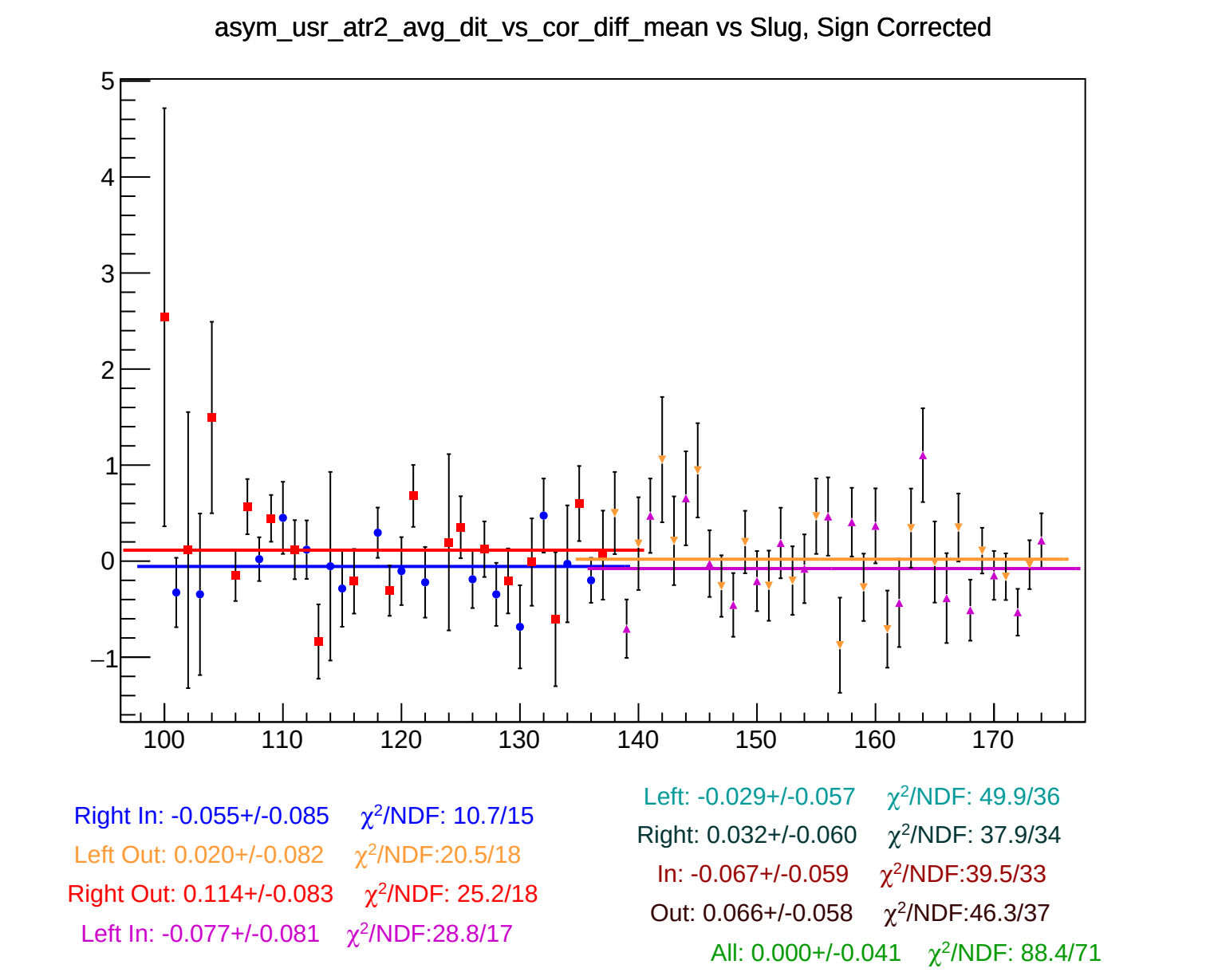
Left: 0.000+/-0.000 χ^2/NDF: 2671162.4/36

Right: 0.000+/-0.000 χ^2/NDF: 3064818.5/34

In: 0.000+/-0.000 χ^2/NDF:2949950.6/33

Out: 0.000+/-0.000 χ^2/NDF:3588486.4/37

All: 0.000+/-0.000 χ^2/NDF: 6620004.1/71


asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
5
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−1
100
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120
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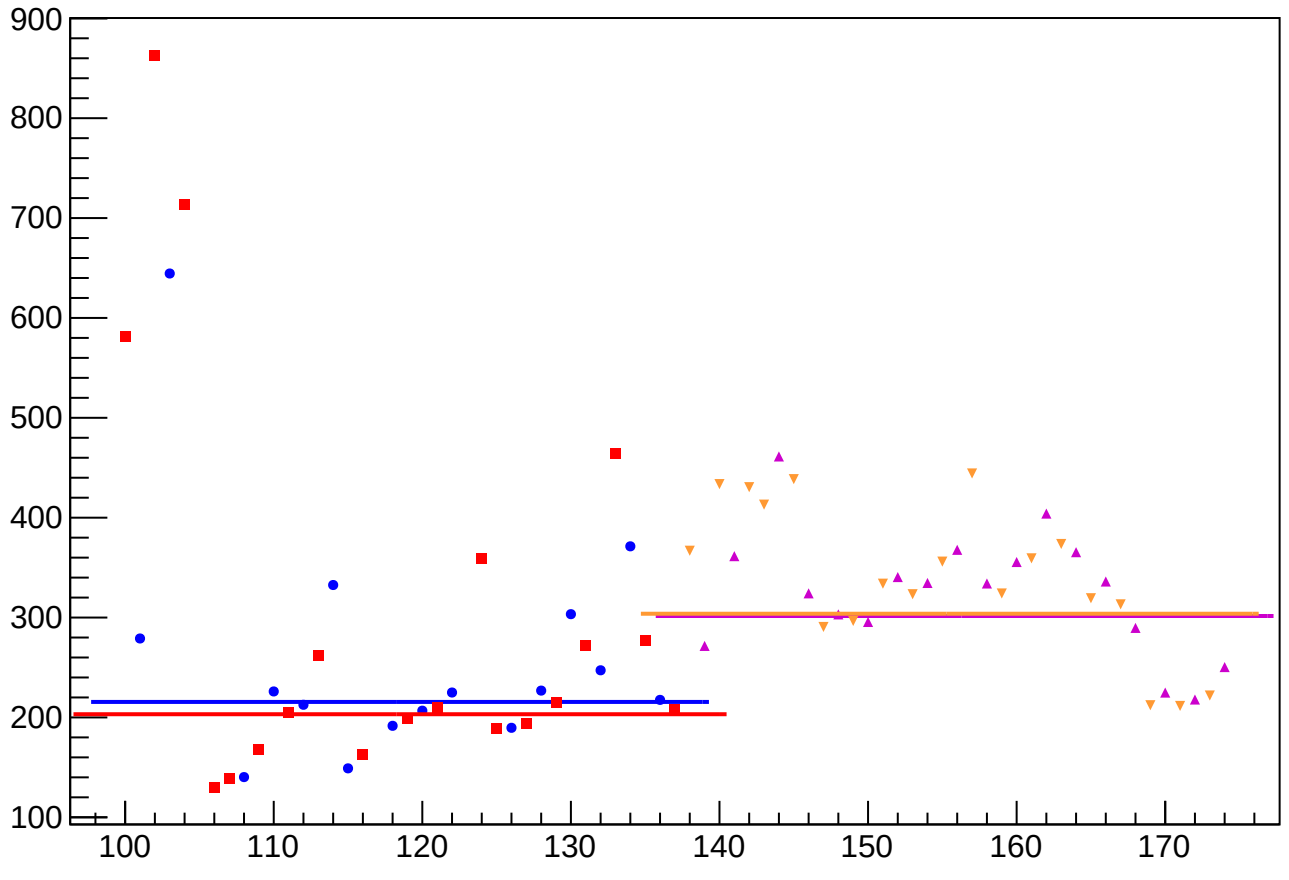
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.020+/-0.082 χ²/NDF:20.5/18
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.077+/-0.081 χ²/NDF:28.8/17
Left: -0.029+/-0.057 χ²/NDF: 49.9/36
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.067+/-0.059 χ²/NDF:39.5/33
Out: 0.066+/-0.058 χ²/NDF:46.3/37
All: 0.000+/-0.041 χ²/NDF: 88.4/71



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.824+/-0.058 χ^2/NDF:1644657.5/18

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

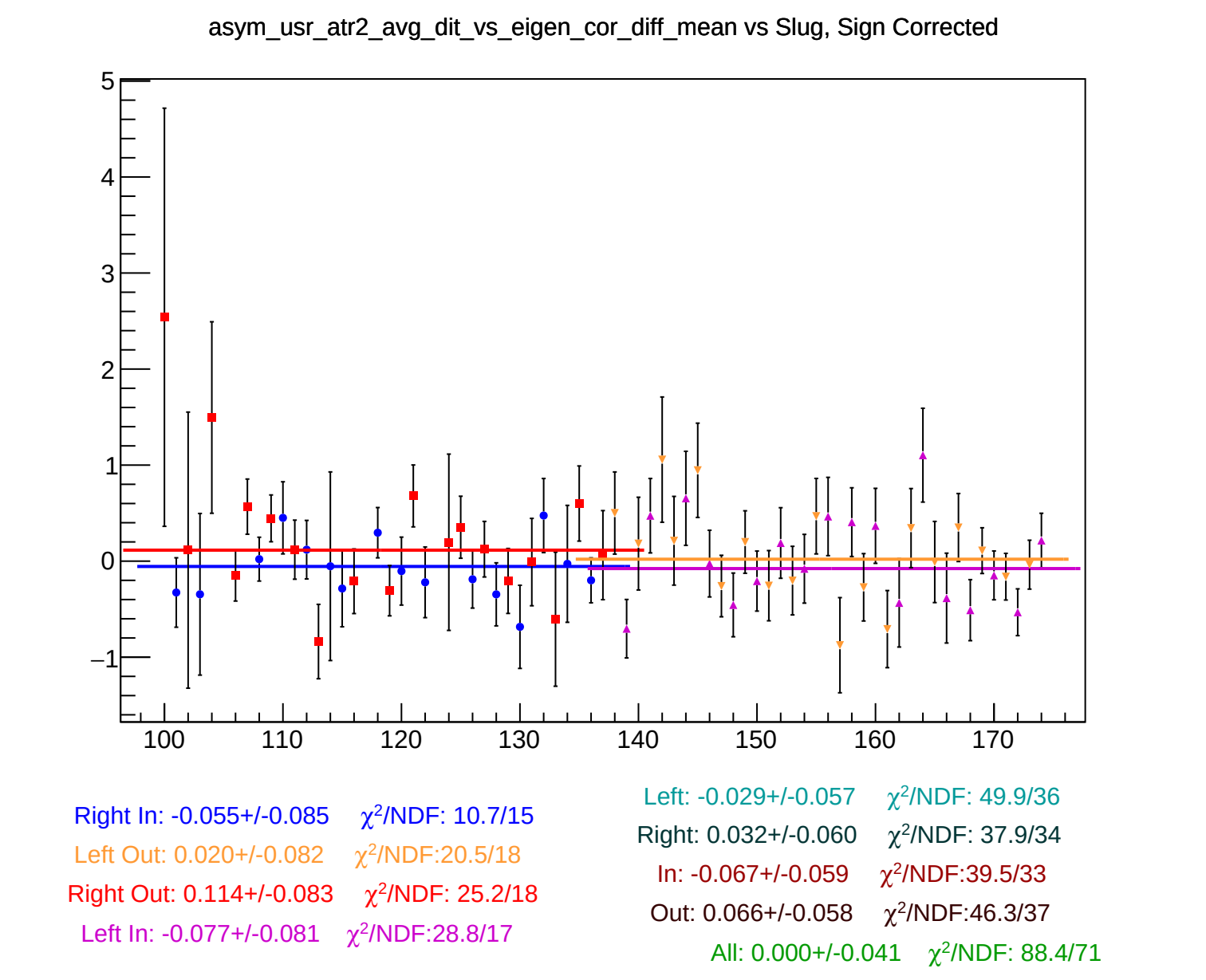
Left: 302.680+/-0.041 χ^2/NDF: 2712567.2/36

Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 260.935+/-0.042 χ^2/NDF:3285691.6/33

Out: 254.452+/-0.041 χ^2/NDF:4969366.2/37

All: 257.670+/-0.029 χ^2/NDF: 8267335.0/71


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
5
4
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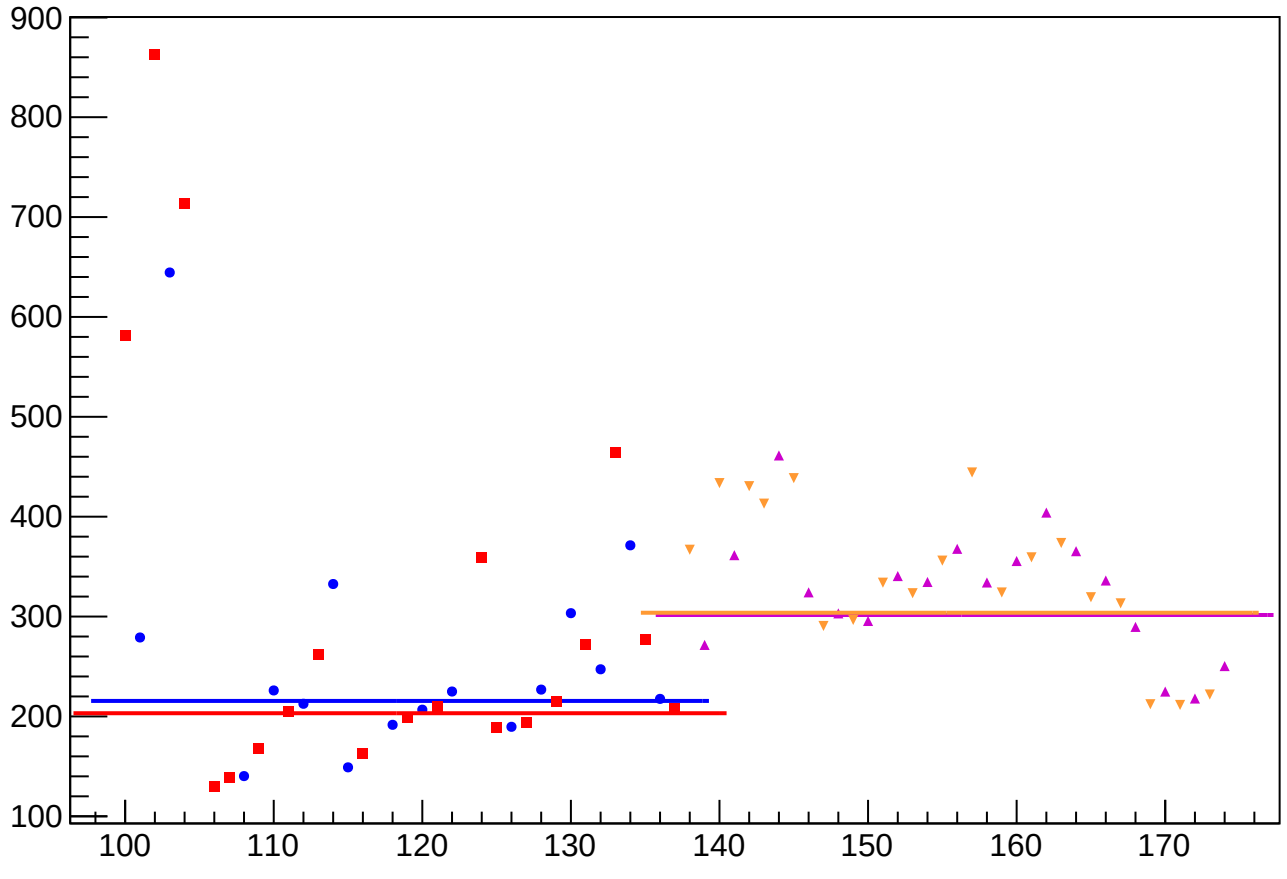
110
120
130
140
150
160
170
Right In: -0.055+/-0.085 χ²/NDF: 10.7/15
Left Out: 0.020+/-0.082 χ²/NDF:20.5/18
Right Out: 0.114+/-0.083 χ²/NDF: 25.2/18
Left In: -0.077+/-0.081 χ²/NDF:28.8/17
Left: -0.029+/-0.057 χ²/NDF: 49.9/36
Right: 0.032+/-0.060 χ²/NDF: 37.9/34
In: -0.067+/-0.059 χ²/NDF:39.5/33
Out: 0.066+/-0.058 χ²/NDF:46.3/37
All: 0.000+/-0.041 χ²/NDF: 88.4/71



Right In: 215.519+/-0.060 χ^2/NDF: 1148727.3/15

Left Out: 303.824+/-0.058 χ^2/NDF:1644657.5/18

Right Out: 203.207+/-0.059 χ^2/NDF: 1835552.6/18

Left In: 301.559+/-0.057 χ^2/NDF:1067132.2/17

Left: 302.680+/-0.041 χ^2/NDF: 2712567.2/36

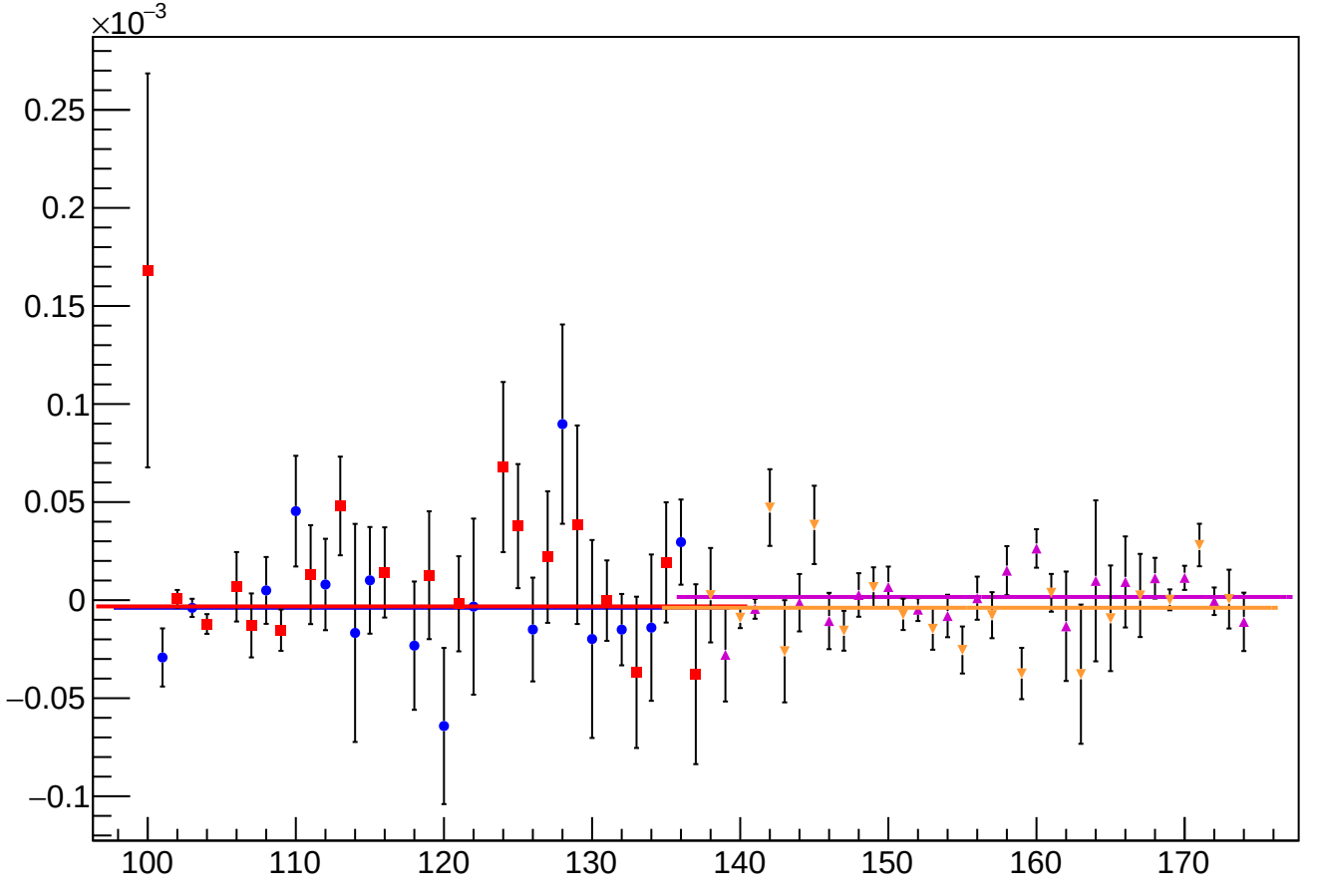
Right: 209.199+/-0.042 χ^2/NDF: 3005585.2/34

In: 260.935+/-0.042 χ^2/NDF:3285691.6/33

Out: 254.452+/-0.041 χ^2/NDF:4969366.2/37

All: 257.670+/-0.029 χ^2/NDF: 8267335.0/71

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:37.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/17

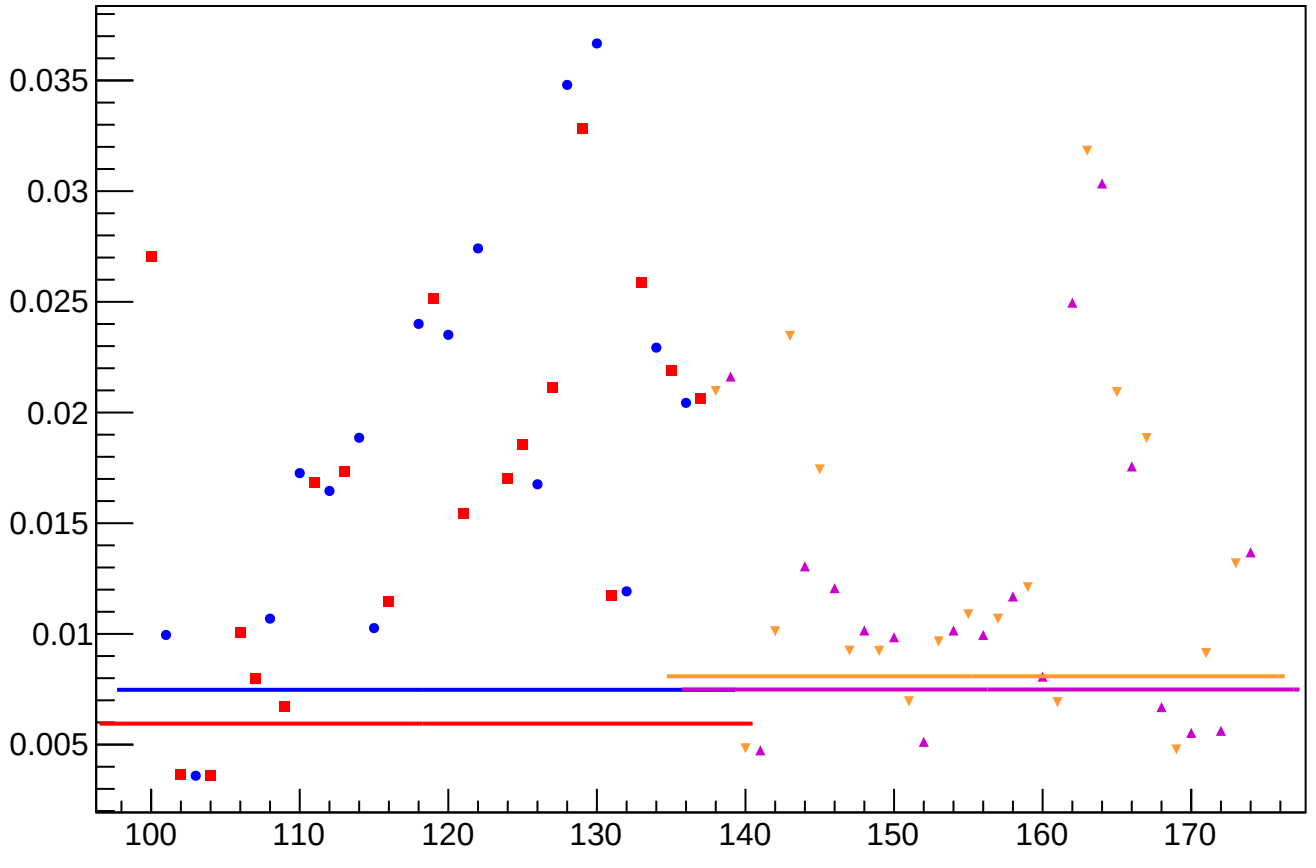
Left: -0.000+/-0.000 χ^2/NDF: 58.5/36

Right: -0.000+/-0.000 χ^2/NDF: 37.6/34

In: 0.000+/-0.000 χ^2/NDF:35.7/33

Out: -0.000+/-0.000 χ^2/NDF:59.3/37

All: -0.000+/-0.000 χ^2/NDF: 96.9/71



Right In: 0.007+/-0.000 χ^2/NDF: 6076199.5/15

Left Out: 0.008+/-0.000 χ^2/NDF:5937941.9/18

Right Out: 0.006+/-0.000 χ^2/NDF: 5934015.2/18

Left In: 0.007+/-0.000 χ^2/NDF:5281698.8/17

Left: 0.008+/-0.000 χ^2/NDF: 11284779.1/36

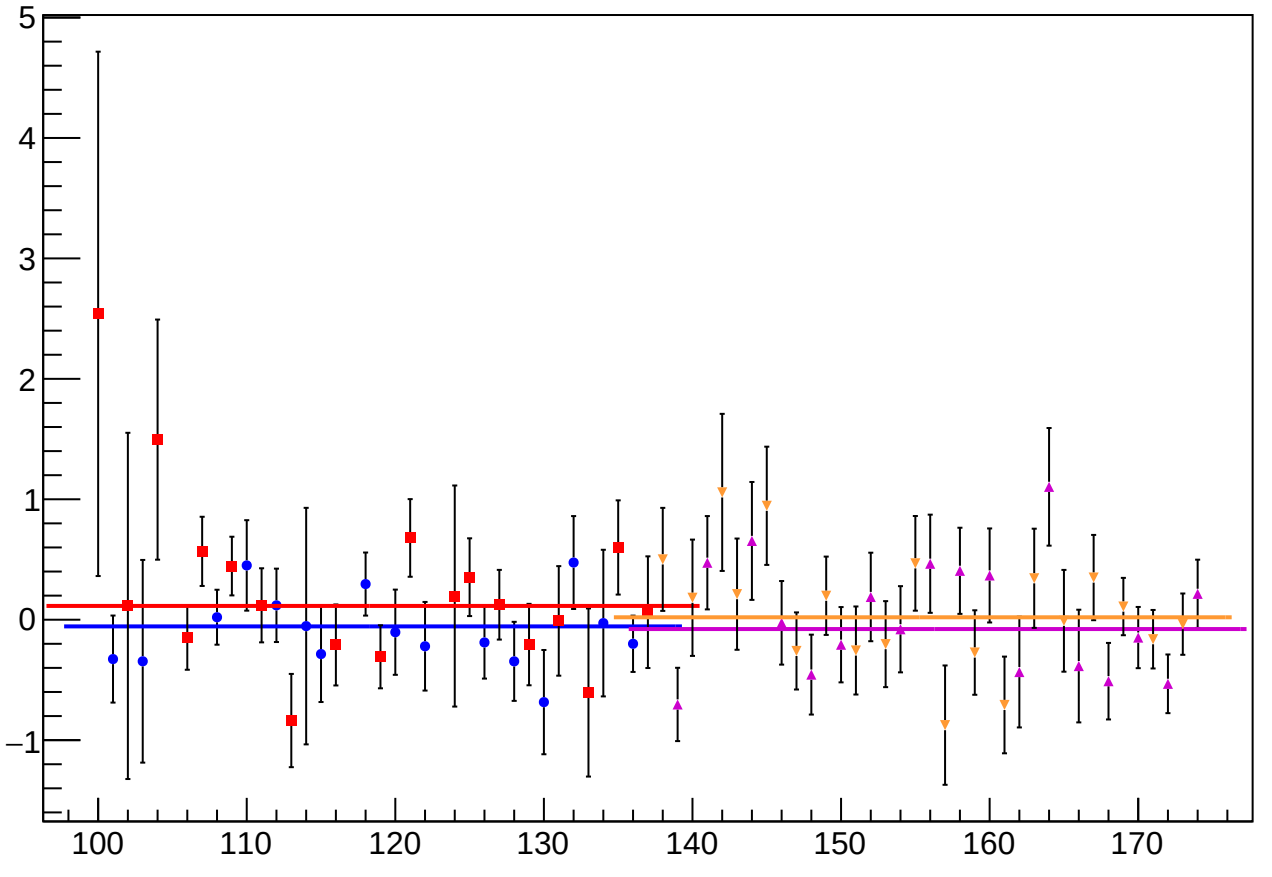
Right: 0.007+/-0.000 χ^2/NDF: 12215563.8/34

In: 0.007+/-0.000 χ^2/NDF:11357916.2/33

Out: 0.007+/-0.000 χ^2/NDF:12515442.2/37

All: 0.007+/-0.000 χ^2/NDF: 23894463.7/71

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.020+/-0.082 χ^2/NDF:20.5/18

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.077+/-0.081 χ^2/NDF:28.8/17

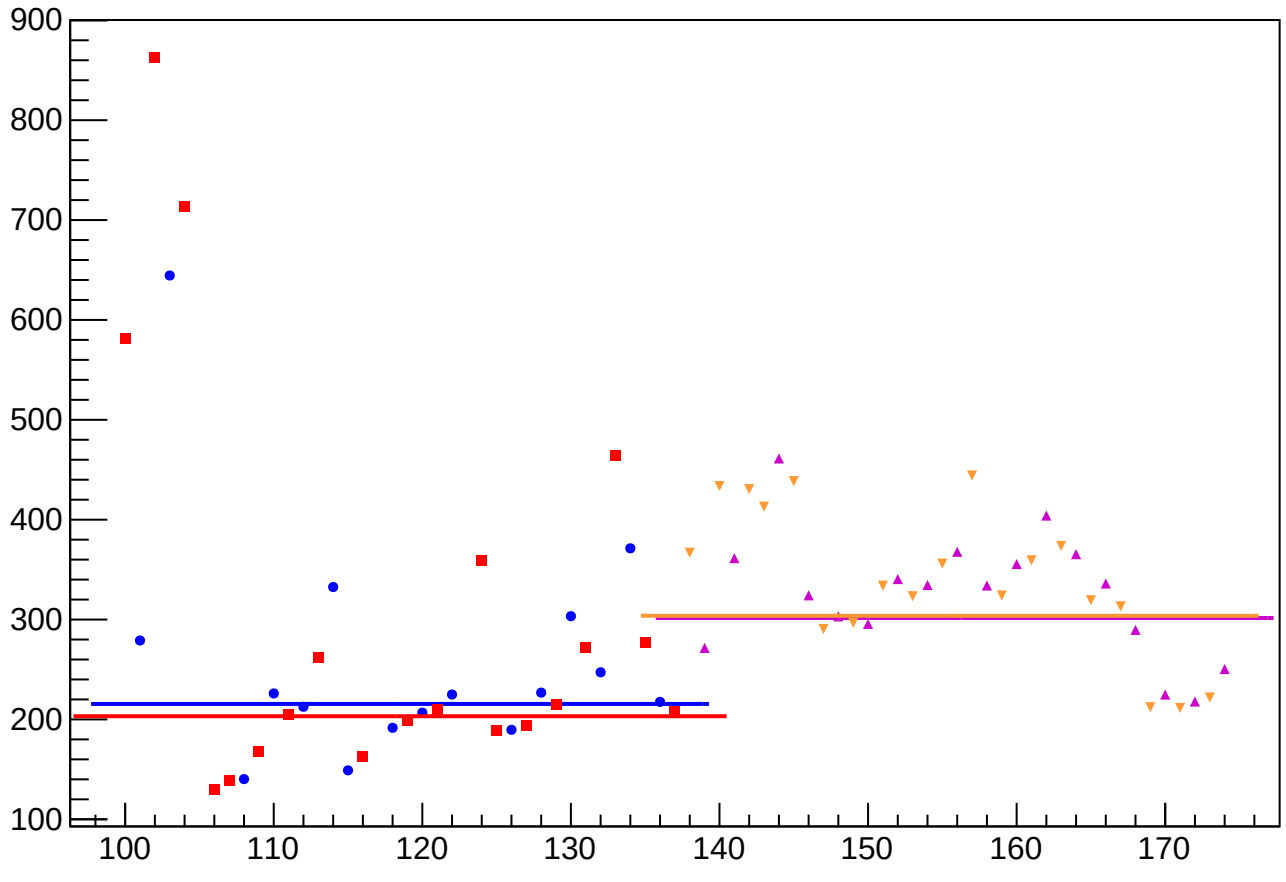
Left: -0.029+/-0.057 χ^2/NDF: 49.9/36

Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.067+/-0.059 χ^2/NDF:39.5/33

Out: 0.066+/-0.058 χ^2/NDF:46.3/37

All: 0.000+/-0.041 χ^2/NDF: 88.4/71



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.827+/-0.058 χ^2/NDF:1644754.1/18

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

Left: 302.683+/-0.041 χ^2/NDF: 2712713.6/36

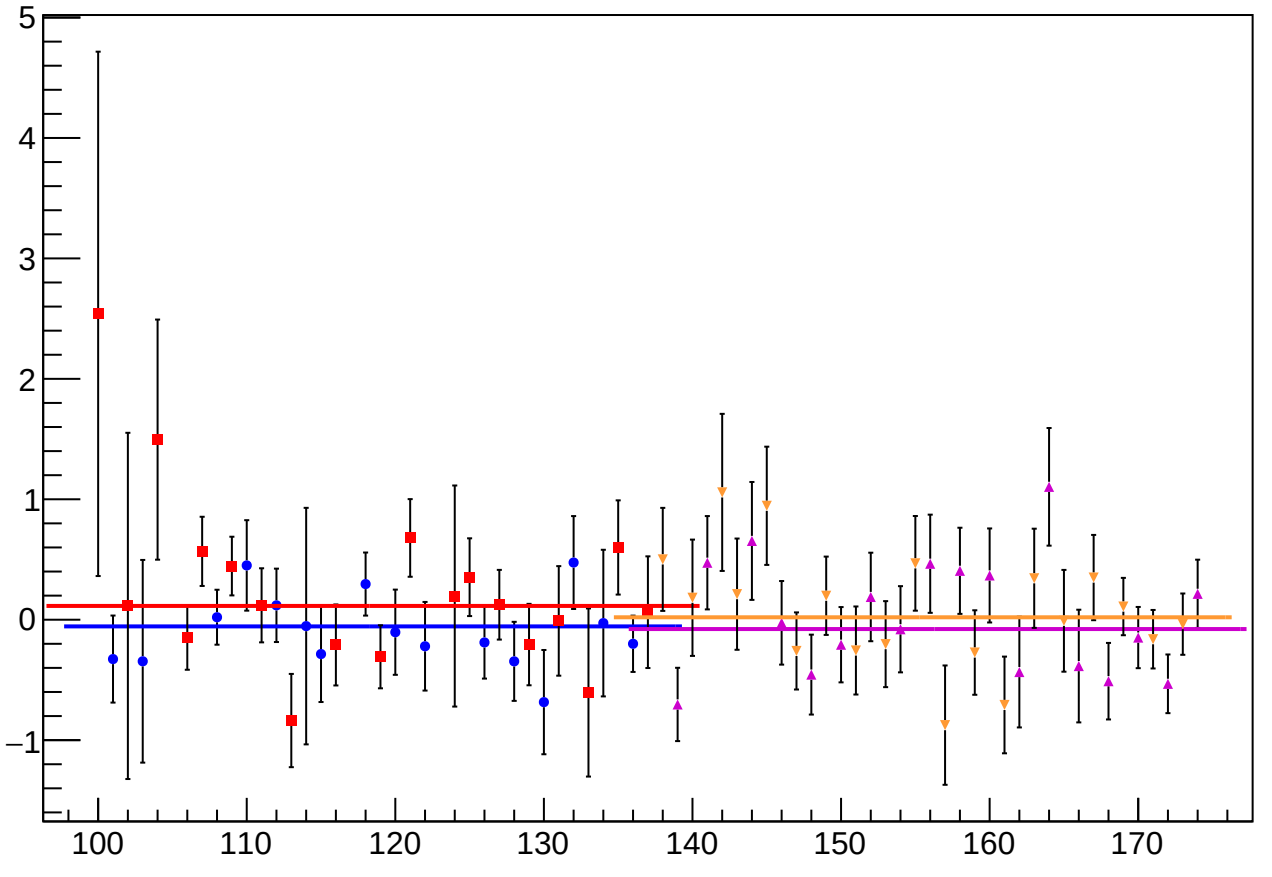
Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 260.936+/-0.042 χ^2/NDF:3285832.2/33

Out: 254.452+/-0.041 χ^2/NDF:4969570.0/37

All: 257.670+/-0.029 χ^2/NDF: 8267682.1/71

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.085 χ^2/NDF: 10.7/15

Left Out: 0.020+/-0.082 χ^2/NDF:20.5/18

Right Out: 0.114+/-0.083 χ^2/NDF: 25.2/18

Left In: -0.077+/-0.081 χ^2/NDF:28.8/17

Left: -0.029+/-0.057 χ^2/NDF: 49.9/36

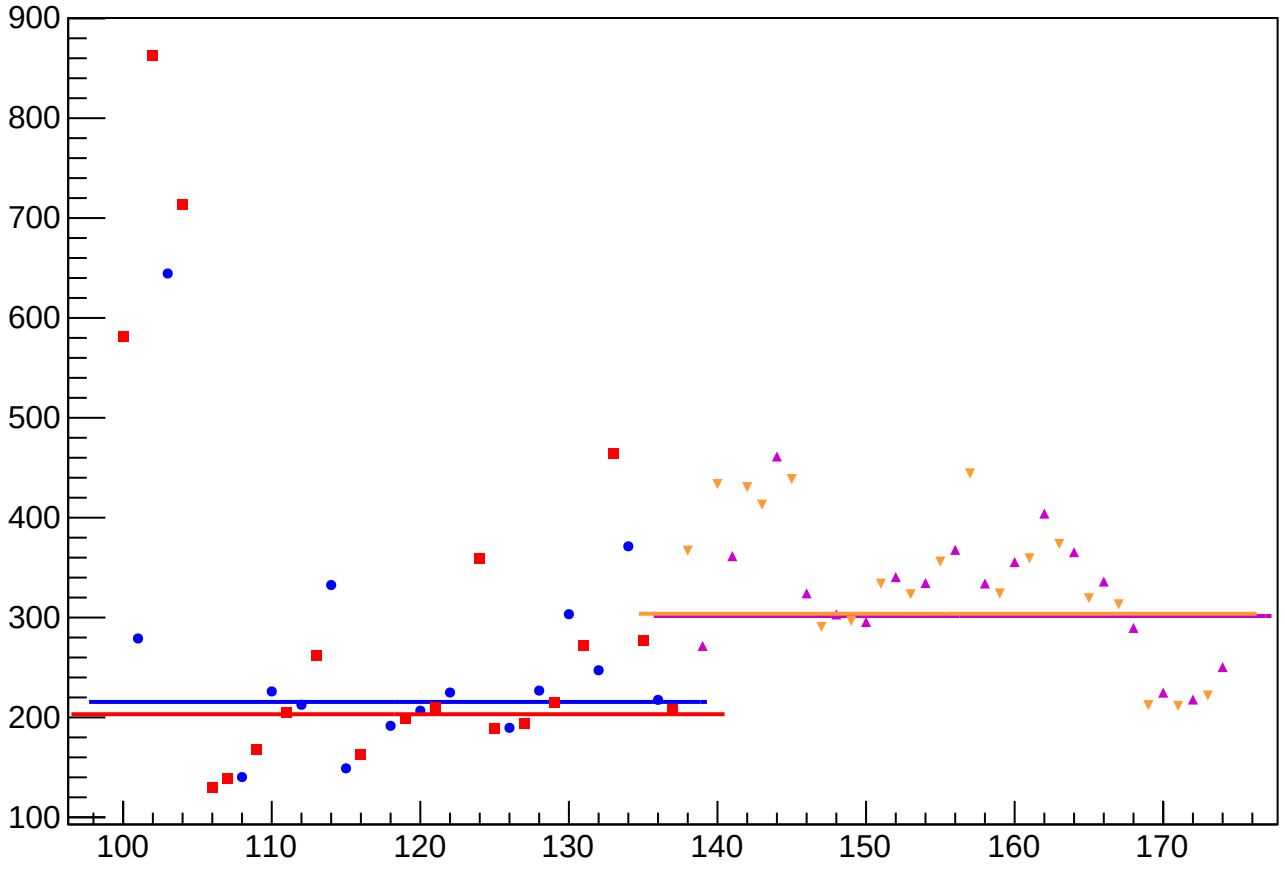
Right: 0.032+/-0.060 χ^2/NDF: 37.9/34

In: -0.067+/-0.059 χ^2/NDF:39.5/33

Out: 0.066+/-0.058 χ^2/NDF:46.3/37

All: 0.000+/-0.041 χ^2/NDF: 88.4/71

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 215.518+/-0.060 χ^2/NDF: 1148700.9/15

Left Out: 303.827+/-0.058 χ^2/NDF:1644754.1/18

Right Out: 203.205+/-0.059 χ^2/NDF: 1835535.5/18

Left In: 301.562+/-0.057 χ^2/NDF:1067182.6/17

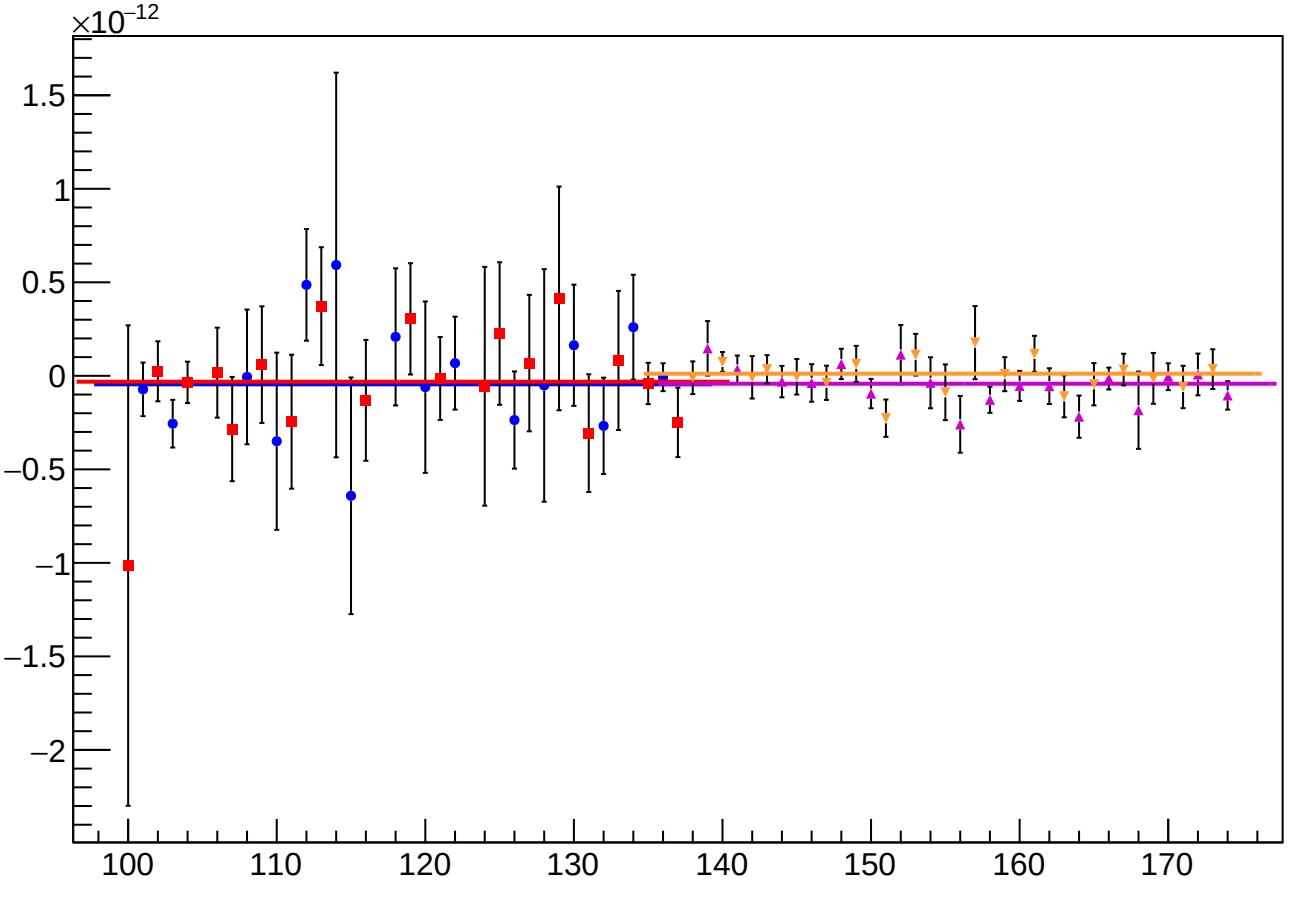
Left: 302.683+/-0.041 χ^2/NDF: 2712713.6/36

Right: 209.197+/-0.042 χ^2/NDF: 3005542.9/34

In: 260.936+/-0.042 χ^2/NDF:3285832.2/33

Out: 254.452+/-0.041 χ^2/NDF:4969570.0/37

All: 257.670+/-0.029 χ^2/NDF: 8267682.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 11.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 8.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/17

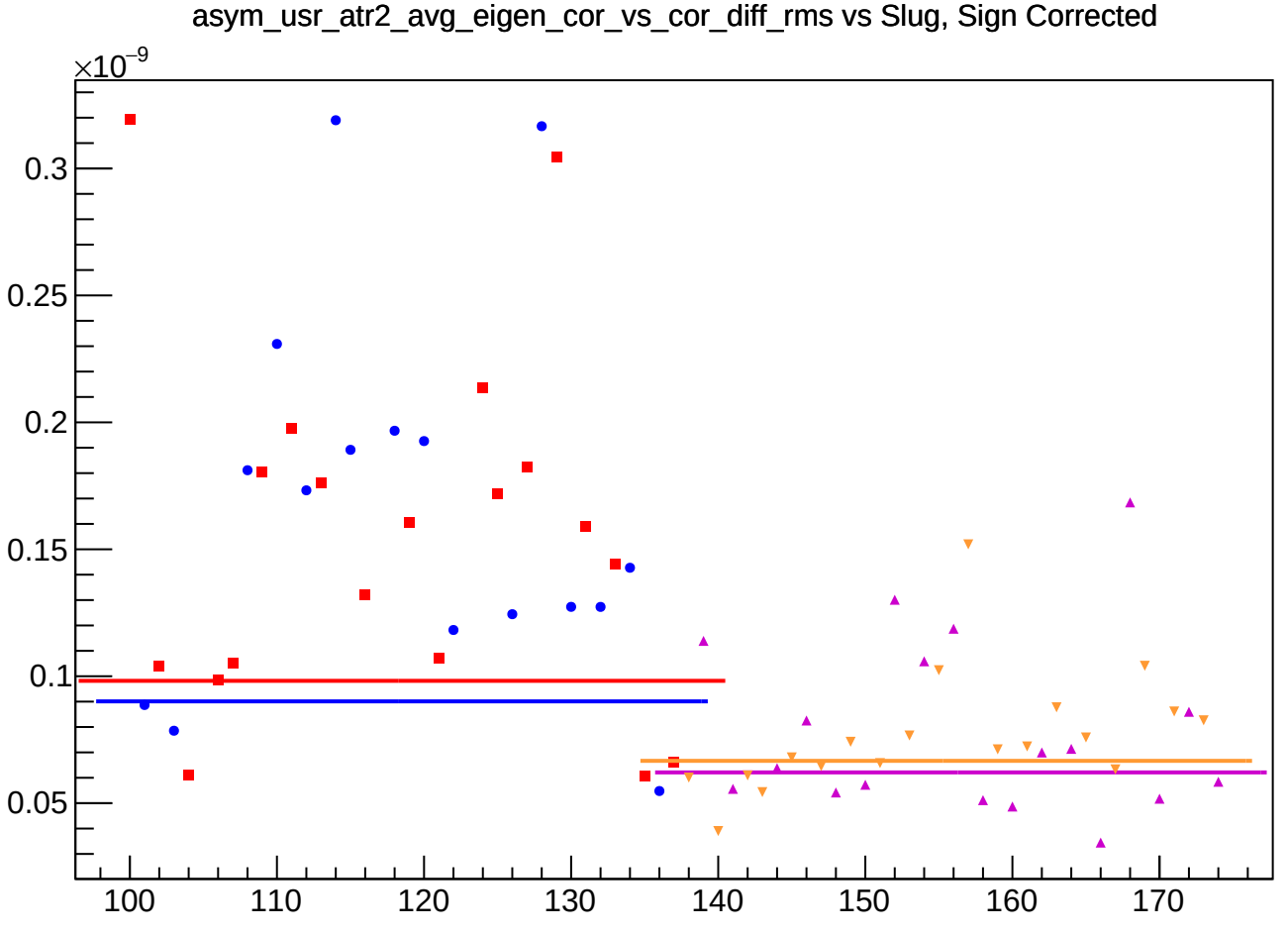
Left: -0.000+/-0.000 χ^2/NDF: 29.9/36

Right: -0.000+/-0.000 χ^2/NDF: 19.9/34

In: -0.000+/-0.000 χ^2/NDF:25.2/33

Out: 0.000+/-0.000 χ^2/NDF:22.0/37

All: -0.000+/-0.000 χ^2/NDF: 50.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 1808066.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1492755.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1694726.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2478026.1/17

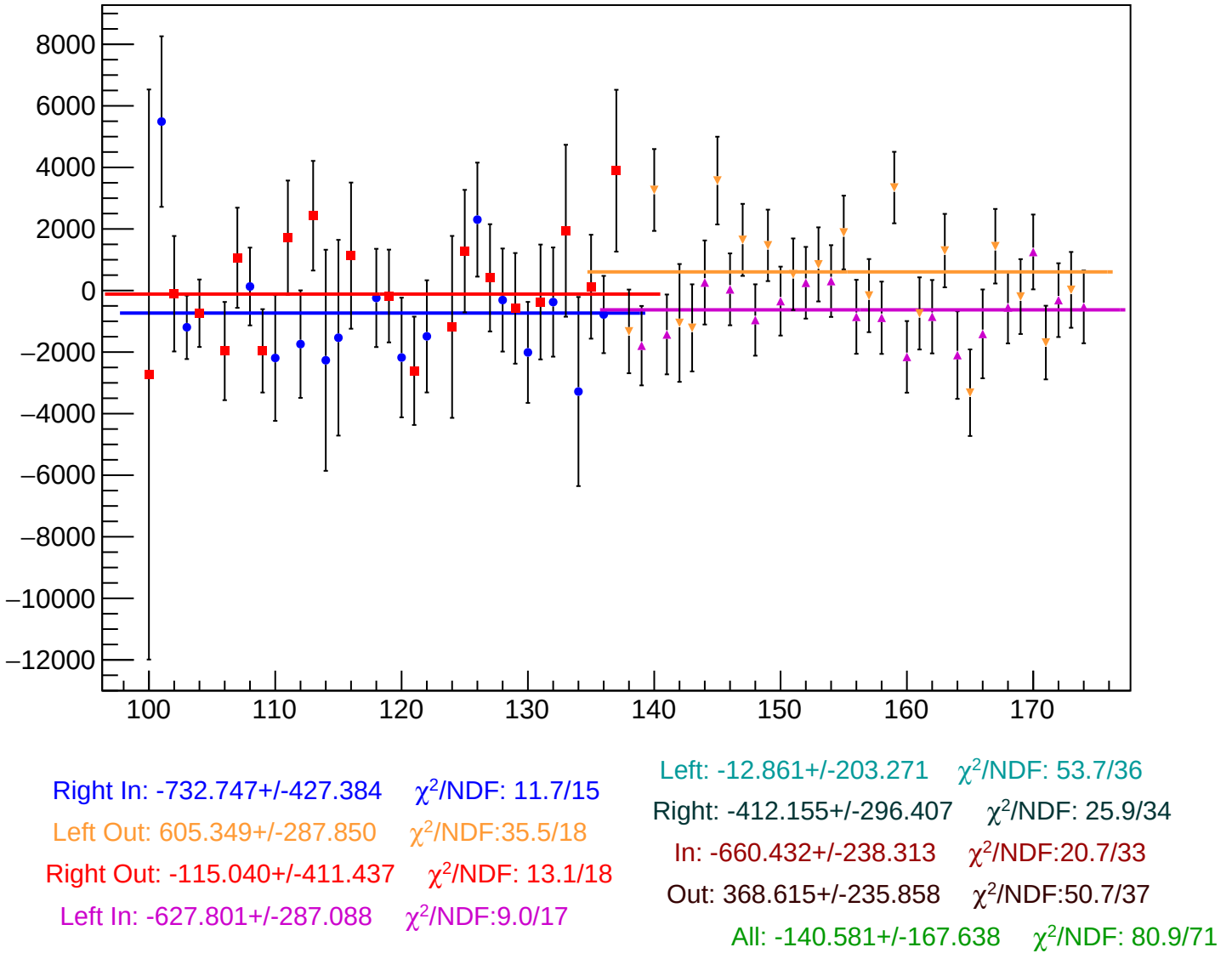
Left: 0.000+/-0.000 χ^2/NDF: 4015380.3/36

Right: 0.000+/-0.000 χ^2/NDF: 3527917.4/34

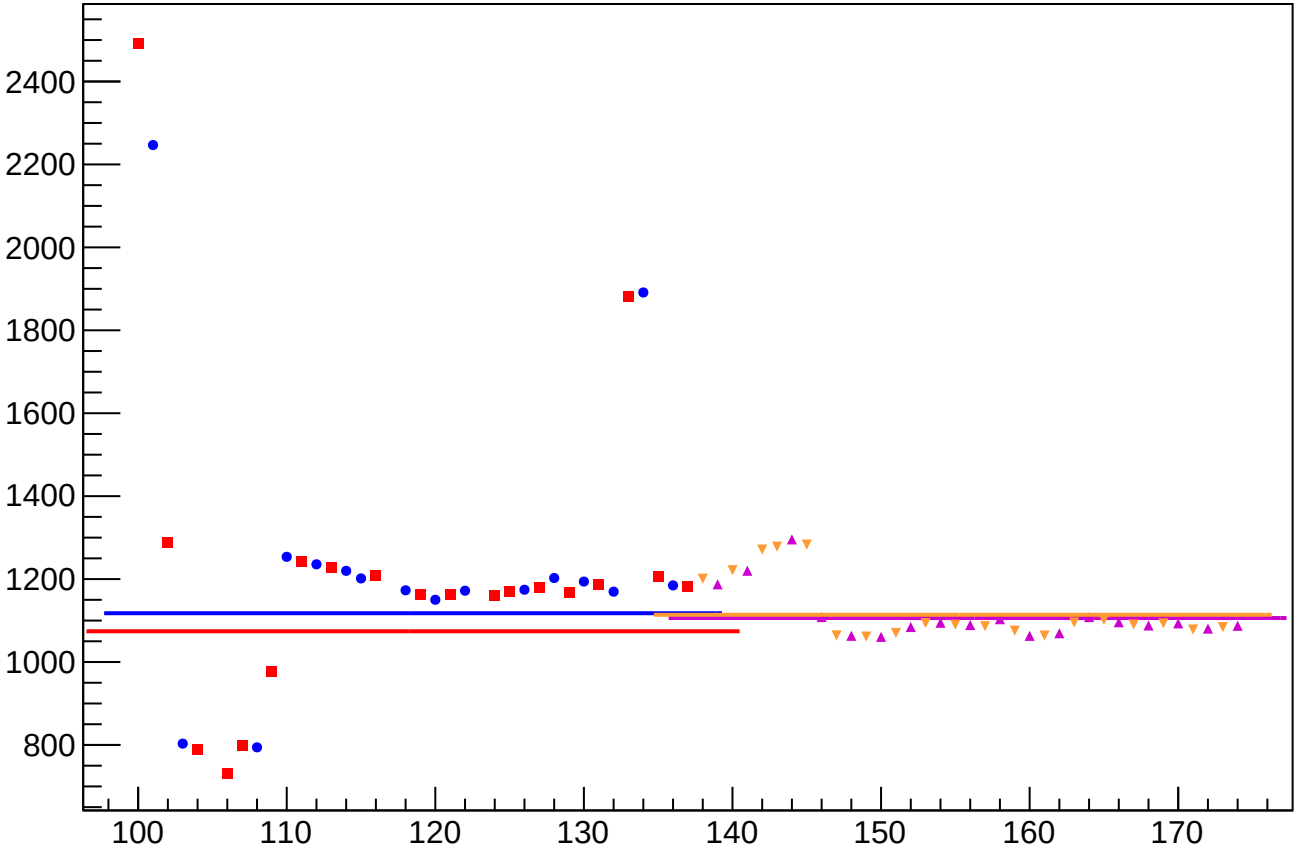
In: 0.000+/-0.000 χ^2/NDF:4817744.5/33

Out: 0.000+/-0.000 χ^2/NDF:3809666.9/37

All: 0.000+/-0.000 χ^2/NDF: 8692046.5/71


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: 605.349+/-287.850 χ²/NDF:35.5/18
Right Out: -115.040+/-411.437 χ²/NDF: 13.1/18
Left In: -627.801+/-287.088 χ²/NDF:9.0/17
Left: -12.861+/-203.271 χ²/NDF: 53.7/36
Right: -412.155+/-296.407 χ²/NDF: 25.9/34
In: -660.432+/-238.313 χ²/NDF:20.7/33
Out: 368.615+/-235.858 χ²/NDF:50.7/37
All: -140.581+/-167.638 χ²/NDF: 80.9/71

reg_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1117.684+/-0.302 χ^2/NDF: 819835.1/15

Left Out: 1113.903+/-0.204 χ^2/NDF:113584.6/18

Right Out: 1074.148+/-0.289 χ^2/NDF: 649508.4/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

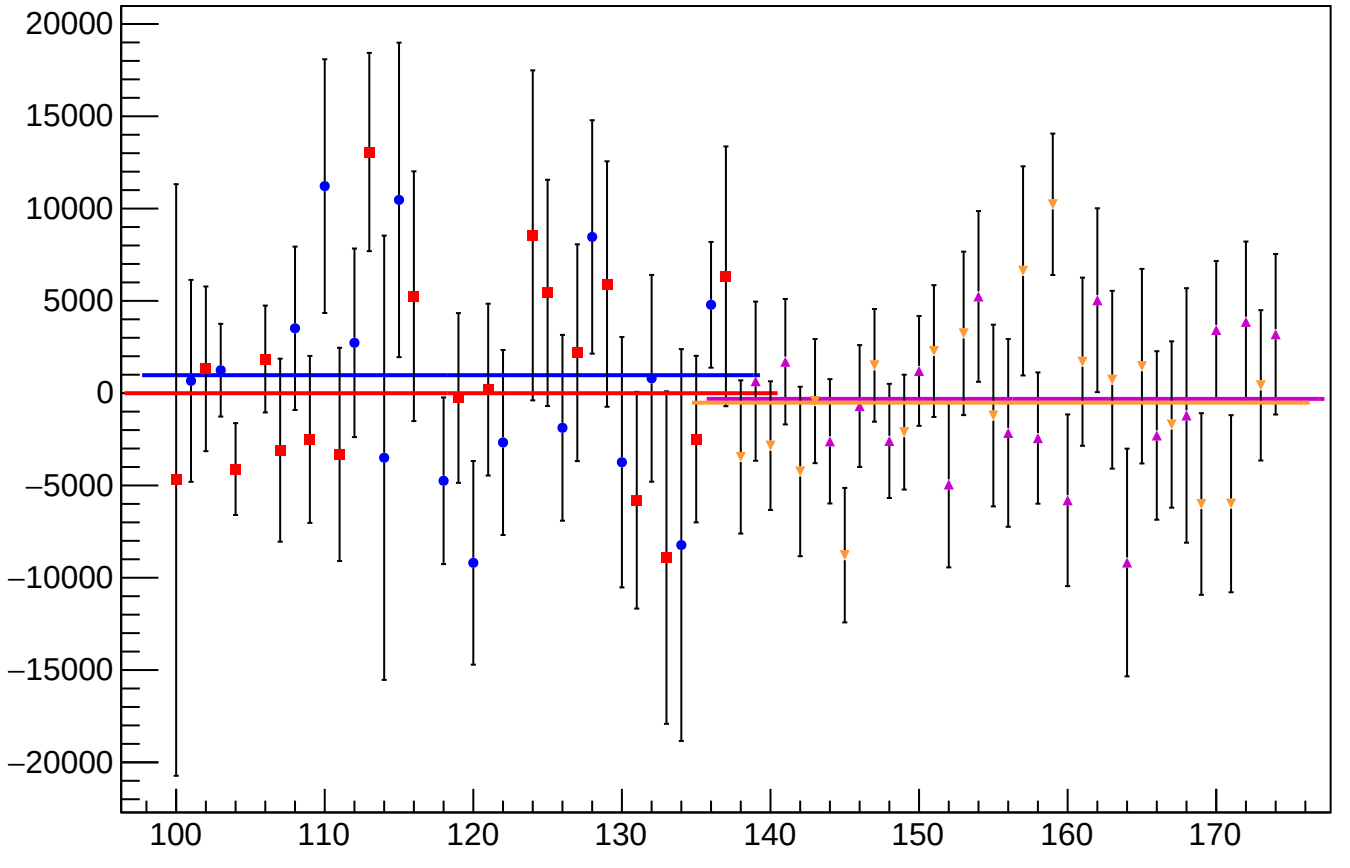
Left: 1109.974+/-0.144 χ^2/NDF: 190440.1/36

Right: 1094.908+/-0.209 χ^2/NDF: 1480200.6/34

In: 1109.678+/-0.169 χ^2/NDF:896965.8/33

Out: 1100.693+/-0.166 χ^2/NDF:775769.9/37

All: 1105.127+/-0.118 χ^2/NDF: 1674176.1/71



Right In: 973.755+/-1232.754 χ^2/NDF: 13.8/15

Left Out: -514.697+/-930.984 χ^2/NDF:21.4/18

Right Out: -2.885+/-1113.897 χ^2/NDF: 16.6/18

Left In: -309.688+/-948.601 χ^2/NDF:12.1/17

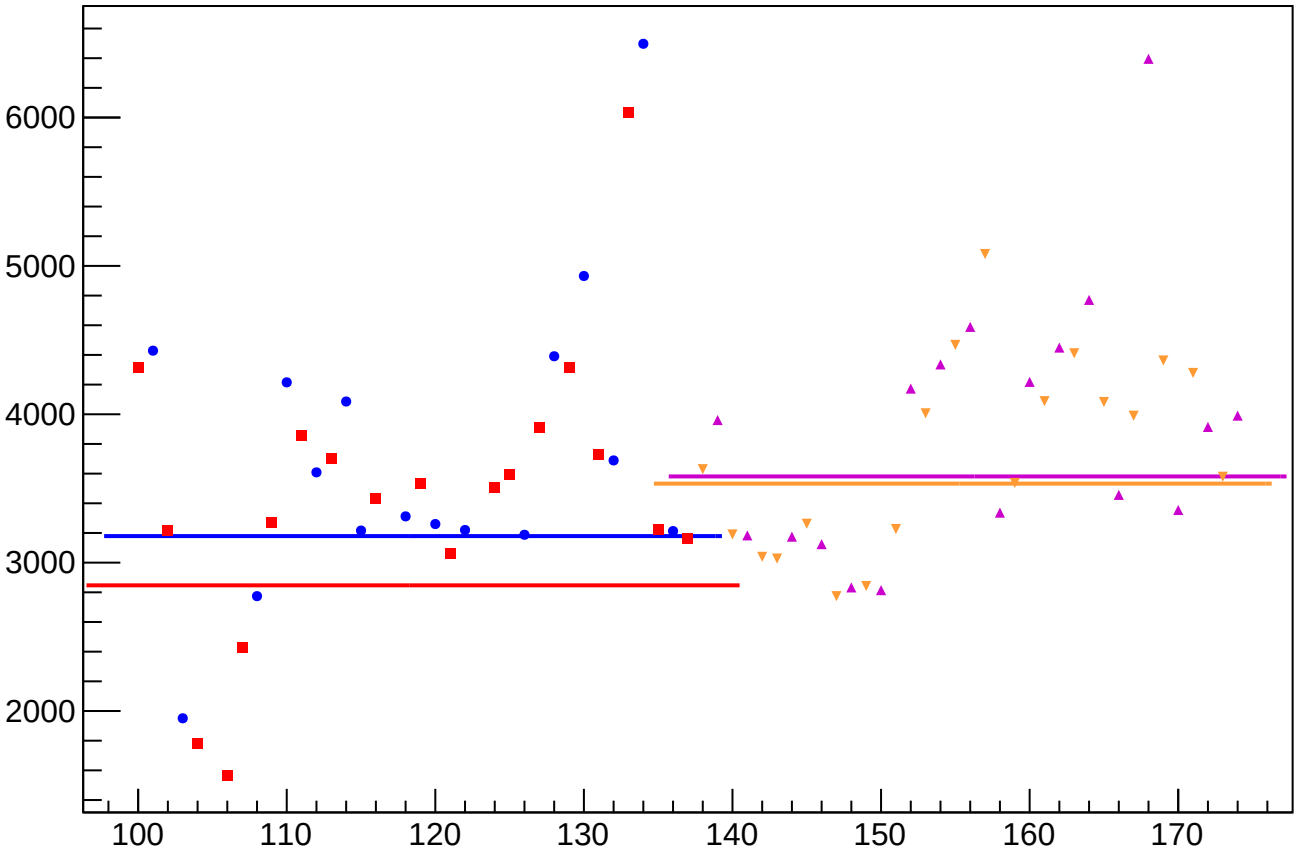
Left: -414.114+/-664.446 χ^2/NDF: 33.5/36

Right: 436.095+/-826.478 χ^2/NDF: 30.7/34

In: 167.636+/-751.787 χ^2/NDF:26.5/33

Out: -304.209+/-714.338 χ^2/NDF:38.1/37

All: -80.331+/-517.846 χ^2/NDF: 64.8/71



Right In: 3178.870+/-0.872 χ^2/NDF: 1091676.8/15

Left Out: 3532.600+/-0.658 χ^2/NDF:824753.0/18

Right Out: 2847.016+/-0.788 χ^2/NDF: 1511160.9/18

Left In: 3581.026+/-0.671 χ^2/NDF:1080547.4/17

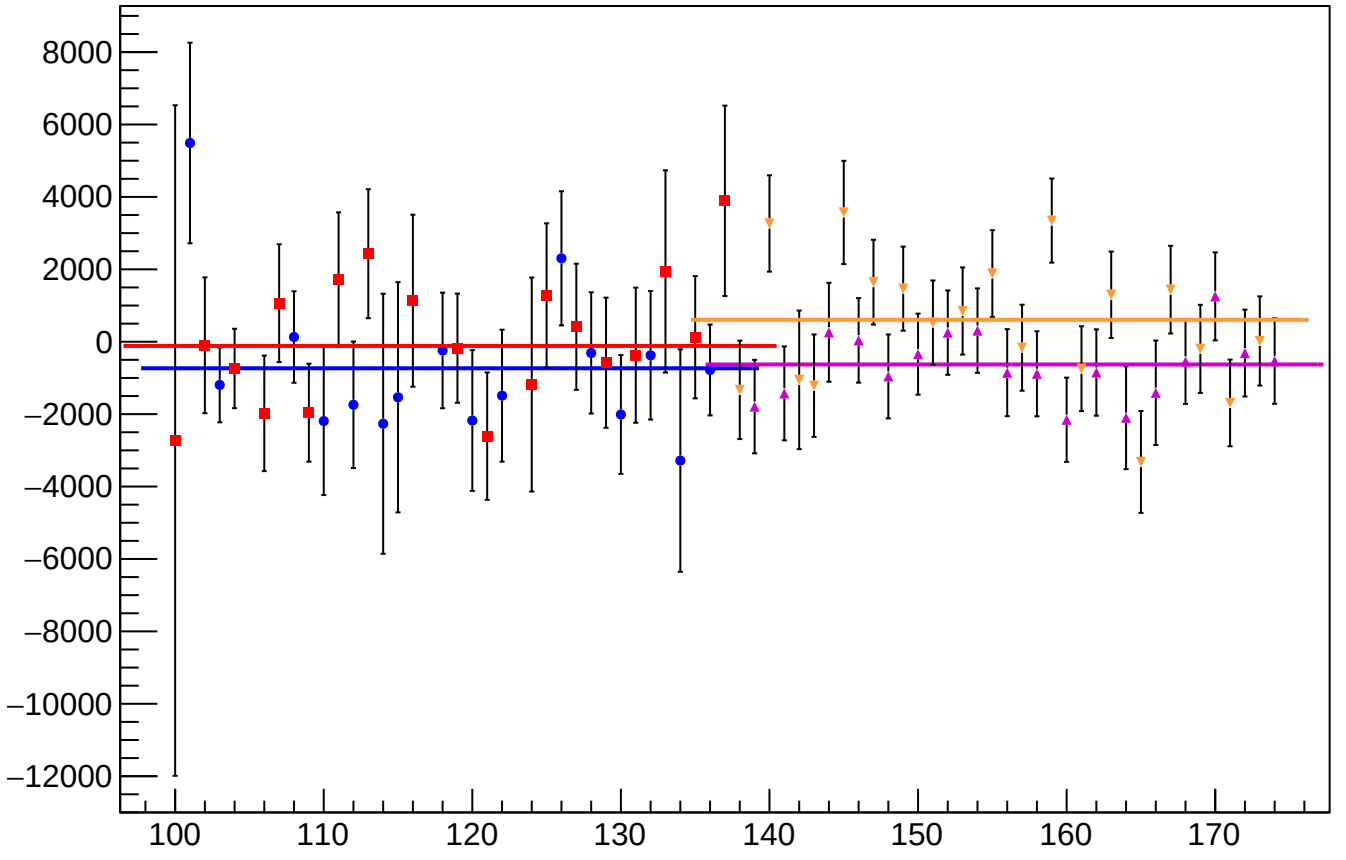
Left: 3556.359+/-0.470 χ^2/NDF: 1907955.2/36

Right: 2996.178+/-0.584 χ^2/NDF: 2682627.1/34

In: 3431.460+/-0.532 χ^2/NDF:2305910.9/33

Out: 3250.646+/-0.505 χ^2/NDF:2781965.3/37

All: 3336.438+/-0.366 χ^2/NDF: 5148675.4/71



Right In: -732.682+/-427.385 χ^2/NDF: 11.7/15

Left Out: 605.438+/-287.850 χ^2/NDF:35.5/18

Right Out: -115.308+/-411.441 χ^2/NDF: 13.1/18

Left In: -627.745+/-287.088 χ^2/NDF:9.0/17

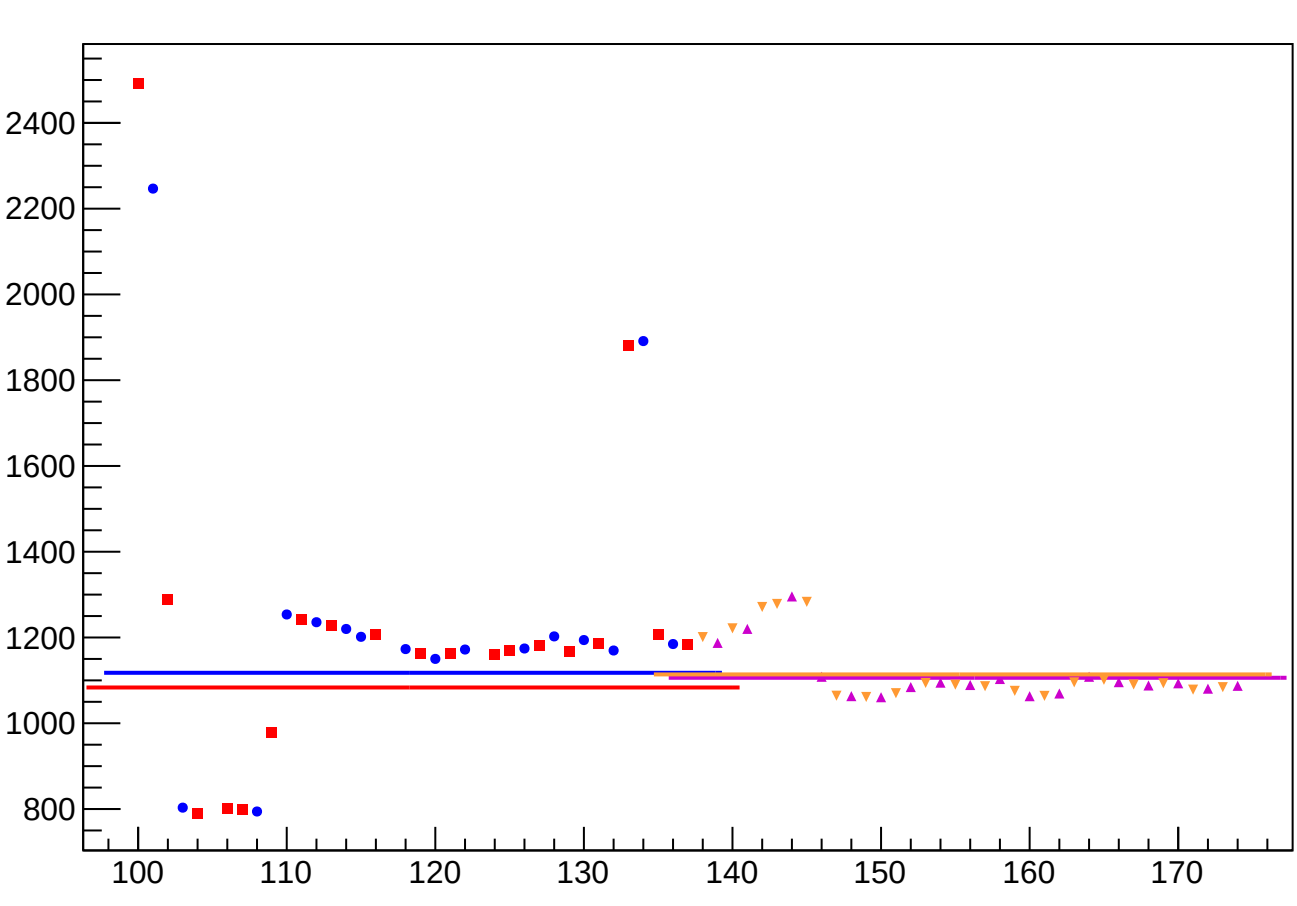
Left: -12.789+/-203.271 χ^2/NDF: 53.7/36

Right: -412.265+/-296.409 χ^2/NDF: 25.9/34

In: -660.373+/-238.313 χ^2/NDF:20.7/33

Out: 368.590+/-235.859 χ^2/NDF:50.7/37

All: -140.566+/-167.638 χ^2/NDF: 80.9/71



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1113.903+/-0.204 χ^2/NDF:113584.6/18

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

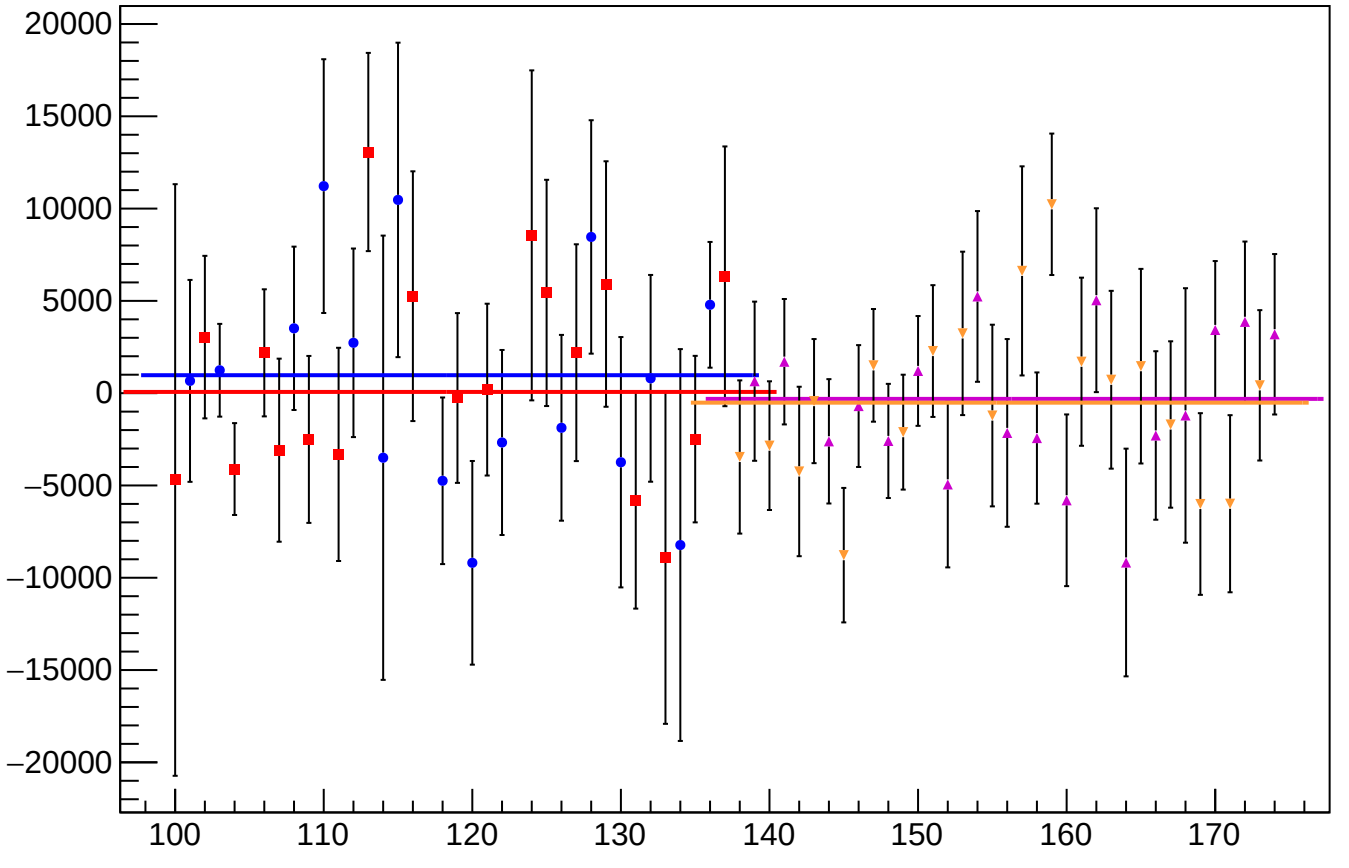
Left: 1109.974+/-0.144 χ^2/NDF: 190440.1/36

Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1109.679+/-0.169 χ^2/NDF:896962.4/33

Out: 1103.860+/-0.167 χ^2/NDF:715990.4/37

All: 1106.738+/-0.118 χ^2/NDF: 1613555.4/71



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -514.692+/-930.983 χ^2/NDF:21.4/18

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -309.678+/-948.601 χ^2/NDF:12.1/17

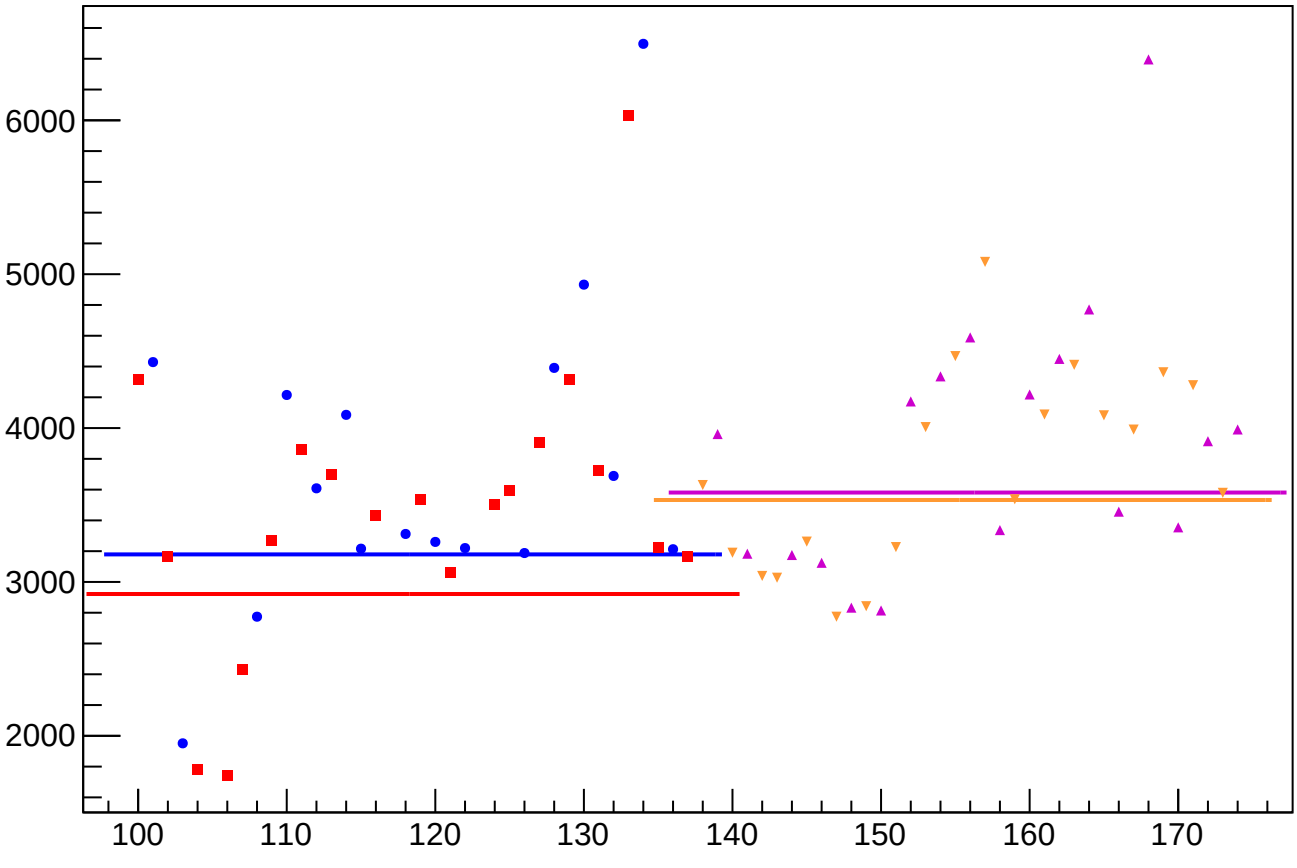
Left: -414.106+/-664.446 χ^2/NDF: 33.5/36

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 167.433+/-751.798 χ^2/NDF:26.5/33

Out: -281.400+/-720.547 χ^2/NDF:38.5/37

All: -66.506+/-520.201 χ^2/NDF: 65.2/71



Right In: 3179.054+/-0.872 χ^2/NDF: 1091236.5/15

Left Out: 3532.596+/-0.658 χ^2/NDF:824755.5/18

Right Out: 2921.641+/-0.805 χ^2/NDF: 1312890.1/18

Left In: 3581.024+/-0.671 χ^2/NDF:1080553.0/17

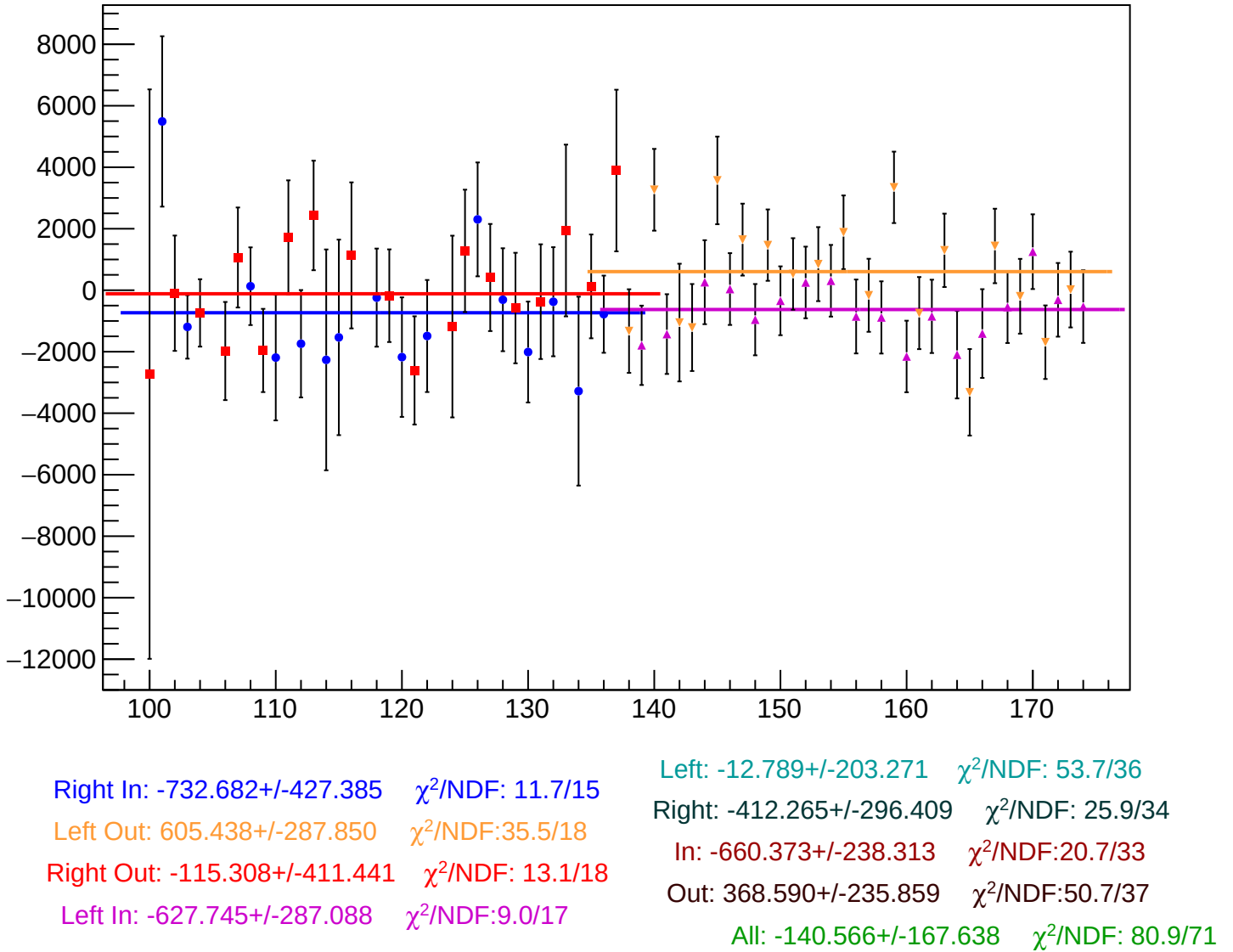
Left: 3556.356+/-0.470 χ^2/NDF: 1907963.6/36

Right: 3040.058+/-0.591 χ^2/NDF: 2451210.8/34

In: 3431.535+/-0.532 χ^2/NDF:2305345.8/33

Out: 3287.615+/-0.510 χ^2/NDF:2483018.5/37

All: 3356.522+/-0.368 χ^2/NDF: 4826566.2/71


eigen_cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
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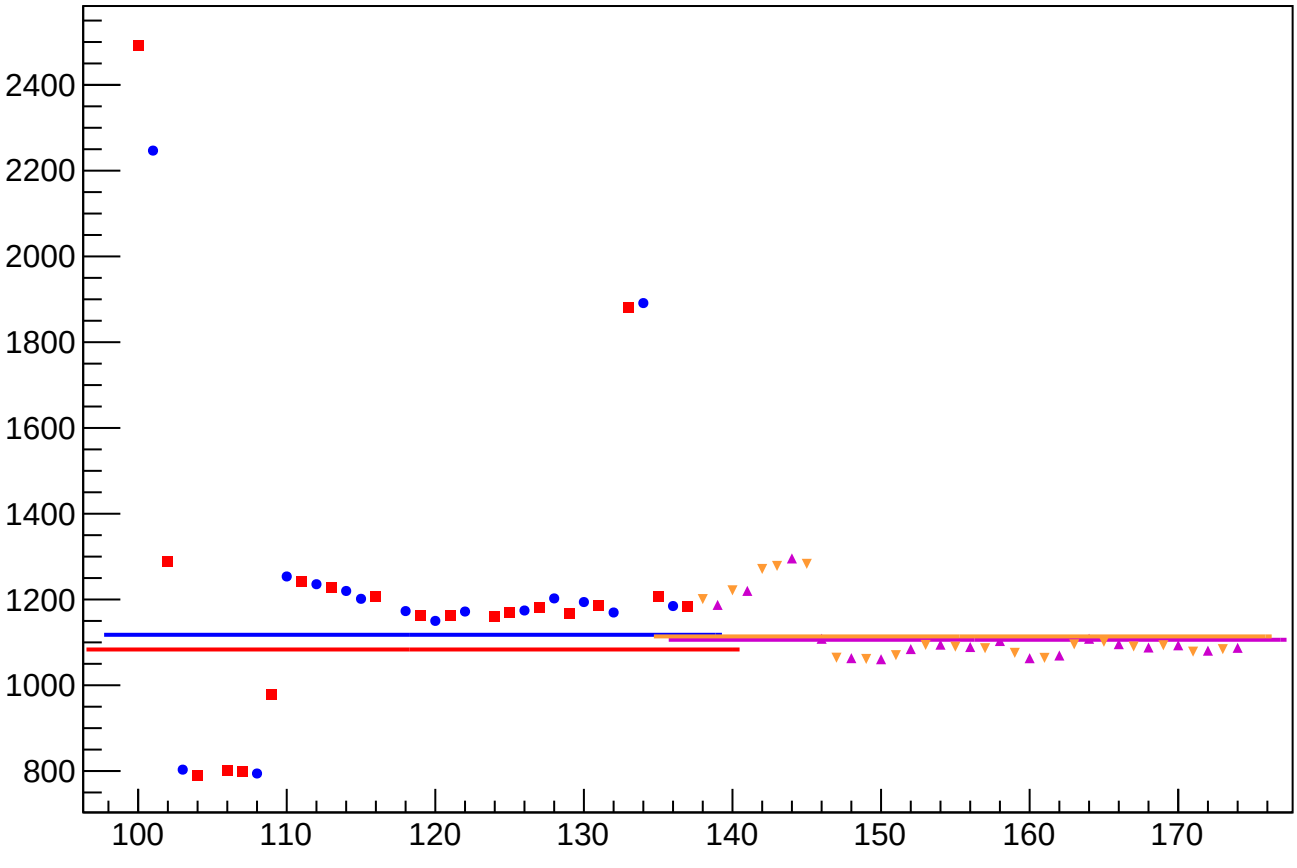
170
Right In: -732.682+/-427.385 χ²/NDF: 11.7/15
Left Out: 605.438+/-287.850 χ²/NDF:35.5/18
Right Out: -115.308+/-411.441 χ²/NDF: 13.1/18
Left In: -627.745+/-287.088 χ²/NDF:9.0/17
Left: -12.789+/-203.271 χ²/NDF: 53.7/36
Right: -412.265+/-296.409 χ²/NDF: 25.9/34
In: -660.373+/-238.313 χ²/NDF:20.7/33
Out: 368.590+/-235.859 χ²/NDF:50.7/37
All: -140.566+/-167.638 χ²/NDF: 80.9/71



Right In: 1117.684+/-0.302 χ^2/NDF: 819831.7/15

Left Out: 1113.903+/-0.204 χ^2/NDF:113584.6/18

Right Out: 1083.421+/-0.290 χ^2/NDF: 595016.7/18

Left In: 1106.066+/-0.203 χ^2/NDF:76112.4/17

Left: 1109.974+/-0.144 χ^2/NDF: 190440.1/36

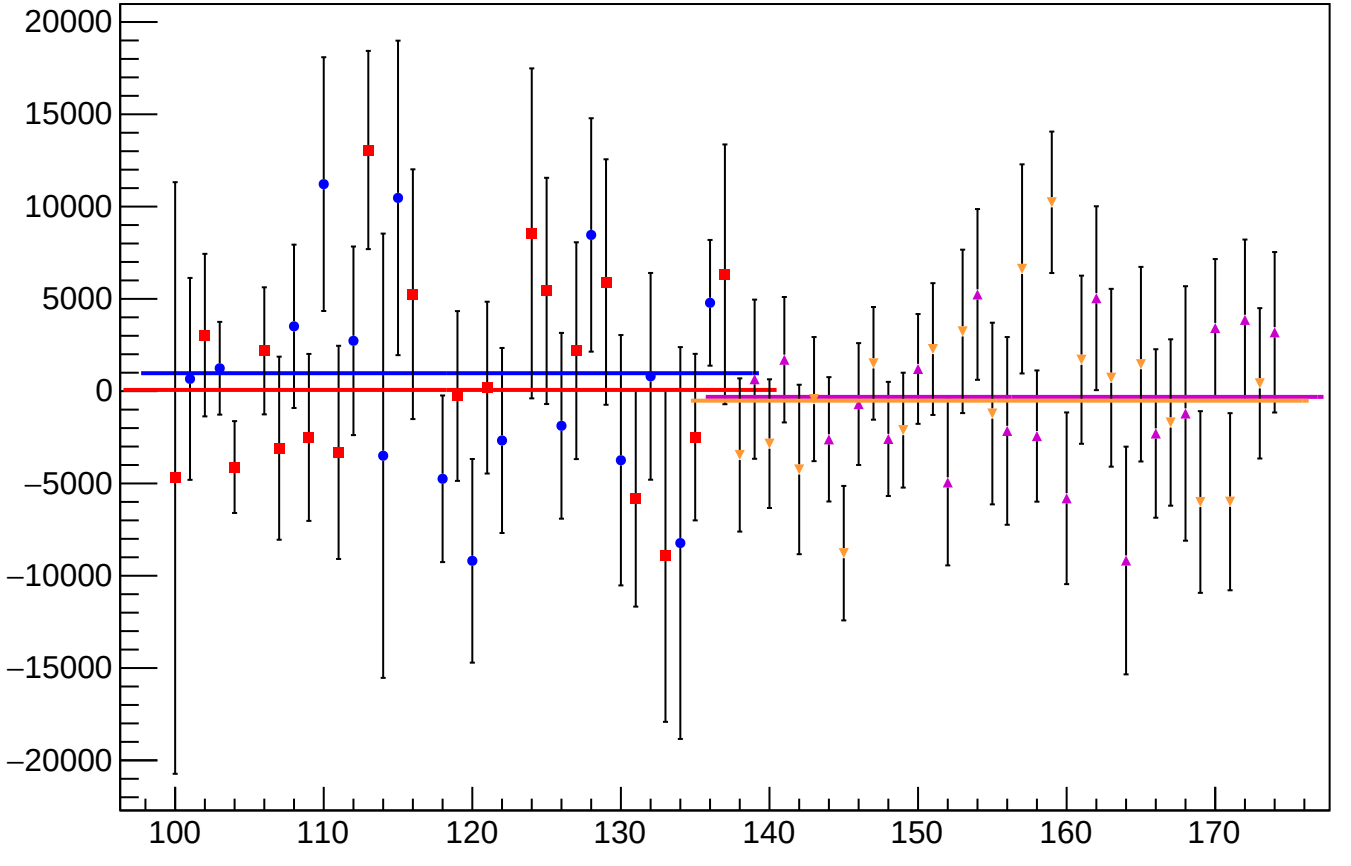
Right: 1099.869+/-0.209 χ^2/NDF: 1421532.1/34

In: 1109.679+/-0.169 χ^2/NDF:896962.4/33

Out: 1103.860+/-0.167 χ^2/NDF:715990.4/37

All: 1106.738+/-0.118 χ^2/NDF: 1613555.4/71

asym_usr_atr2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 973.256+/-1232.803 χ^2/NDF: 13.8/15

Left Out: -514.692+/-930.983 χ^2/NDF:21.4/18

Right Out: 67.113+/-1137.892 χ^2/NDF: 16.9/18

Left In: -309.678+/-948.601 χ^2/NDF:12.1/17

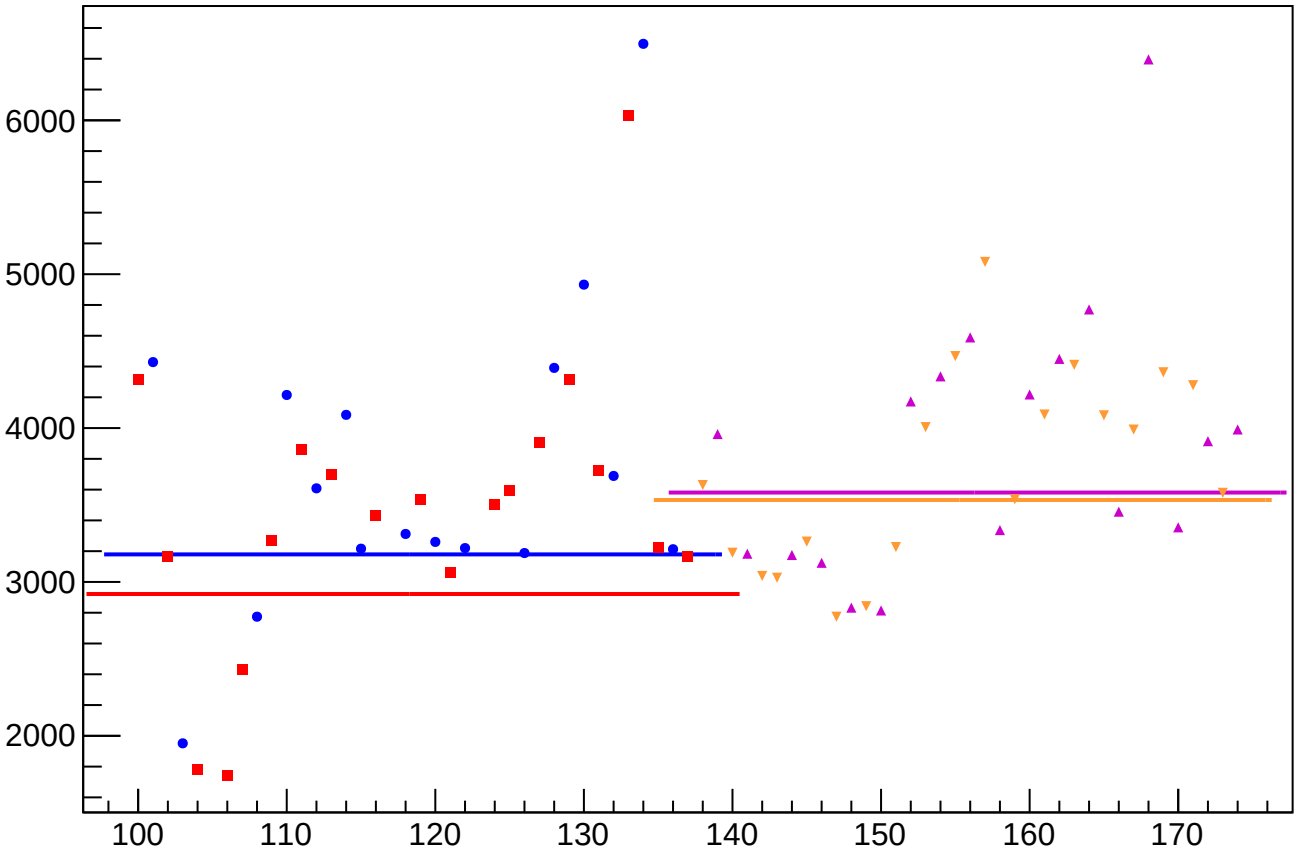
Left: -414.106+/-664.446 χ^2/NDF: 33.5/36

Right: 483.965+/-836.154 χ^2/NDF: 31.0/34

In: 167.433+/-751.798 χ^2/NDF:26.5/33

Out: -281.400+/-720.547 χ^2/NDF:38.5/37

All: -66.506+/-520.201 χ^2/NDF: 65.2/71


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
6000
5000
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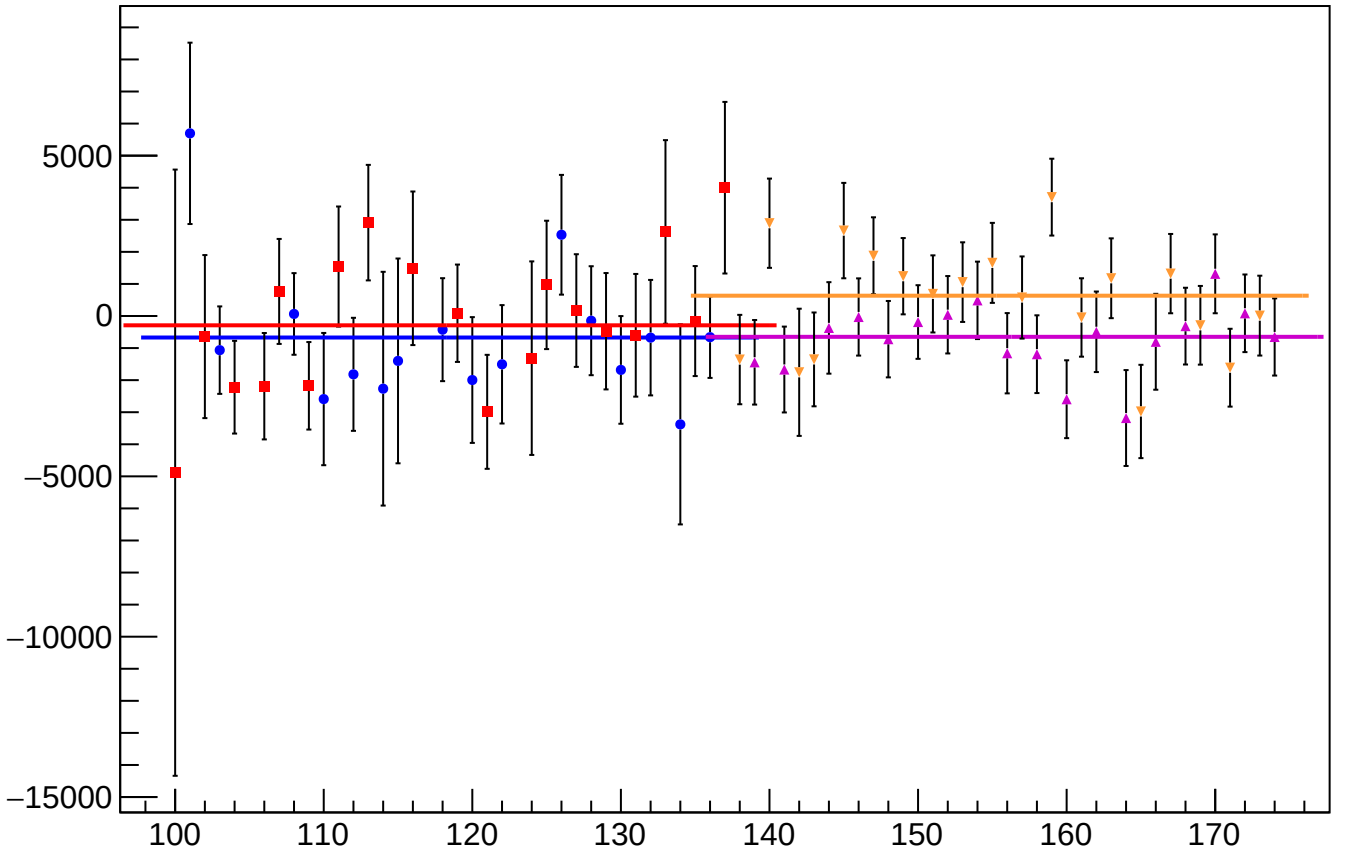
160
170
Right In: 3179.054+/-0.872 χ²/NDF: 1091236.5/15
Left Out: 3532.596+/-0.658 χ²/NDF:824755.5/18
Right Out: 2921.641+/-0.805 χ²/NDF: 1312890.1/18
Left In: 3581.024+/-0.671 χ²/NDF:1080553.0/17
Left: 3556.356+/-0.470 χ²/NDF: 1907963.6/36
Right: 3040.058+/-0.591 χ²/NDF: 2451210.8/34
In: 3431.535+/-0.532 χ²/NDF:2305345.8/33
Out: 3287.615+/-0.510 χ²/NDF:2483018.5/37
All: 3356.522+/-0.368 χ²/NDF: 4826566.2/71



Right In: -670.819+/-448.500 χ^2/NDF: 11.9/15

Left Out: 633.271+/-297.138 χ^2/NDF:29.8/18

Right Out: -290.311+/-434.425 χ^2/NDF: 16.9/18

Left In: -649.323+/-296.044 χ^2/NDF:11.5/17

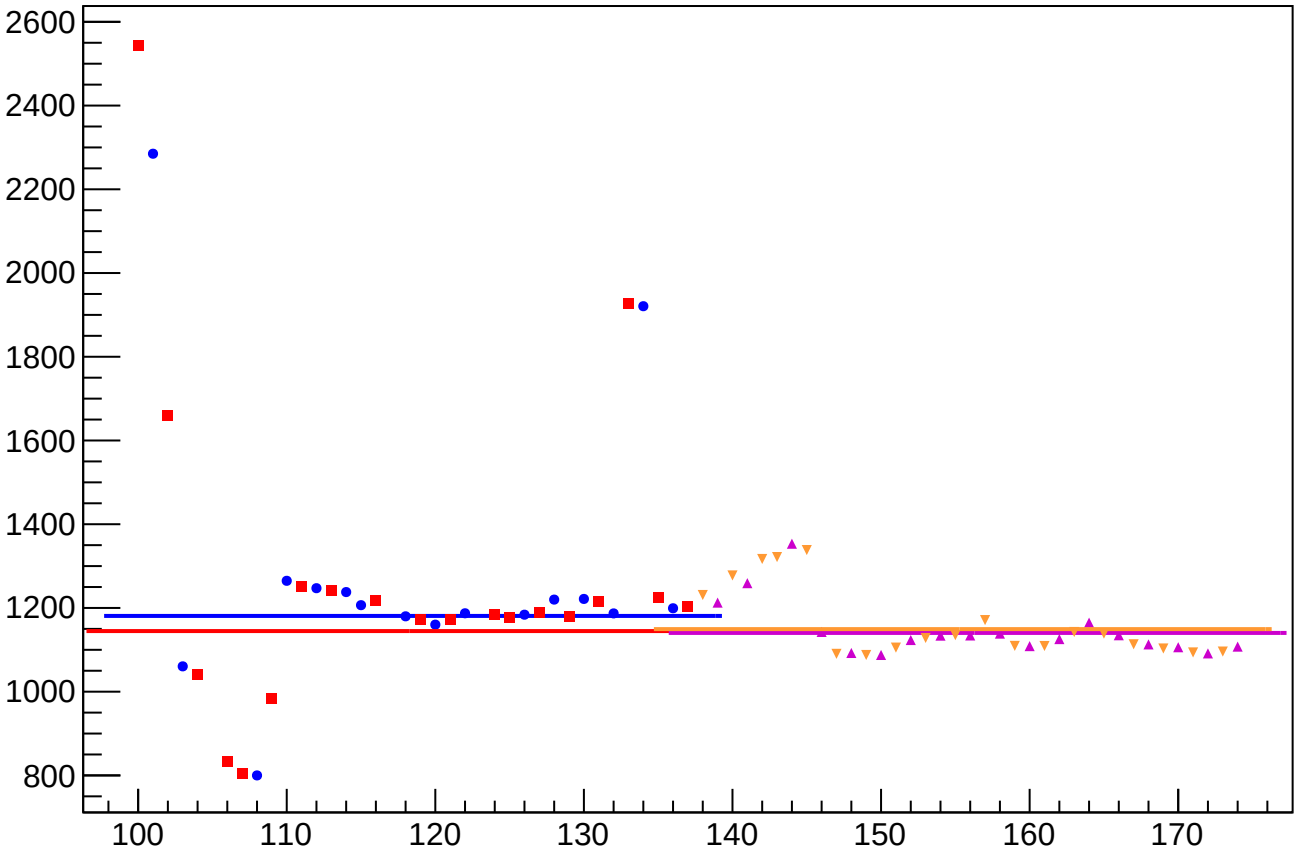
Left: -10.390+/-209.721 χ^2/NDF: 50.6/36

Right: -474.501+/-312.042 χ^2/NDF: 29.2/34

In: -655.846+/-247.073 χ^2/NDF:23.3/33

Out: 338.905+/-245.256 χ^2/NDF:49.8/37

All: -154.801+/-174.061 χ^2/NDF: 81.3/71



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.6/15

Left Out: 1149.450+/-0.210 χ^2/NDF:129452.1/18

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.6/18

Left In: 1140.339+/-0.209 χ^2/NDF:83889.2/17

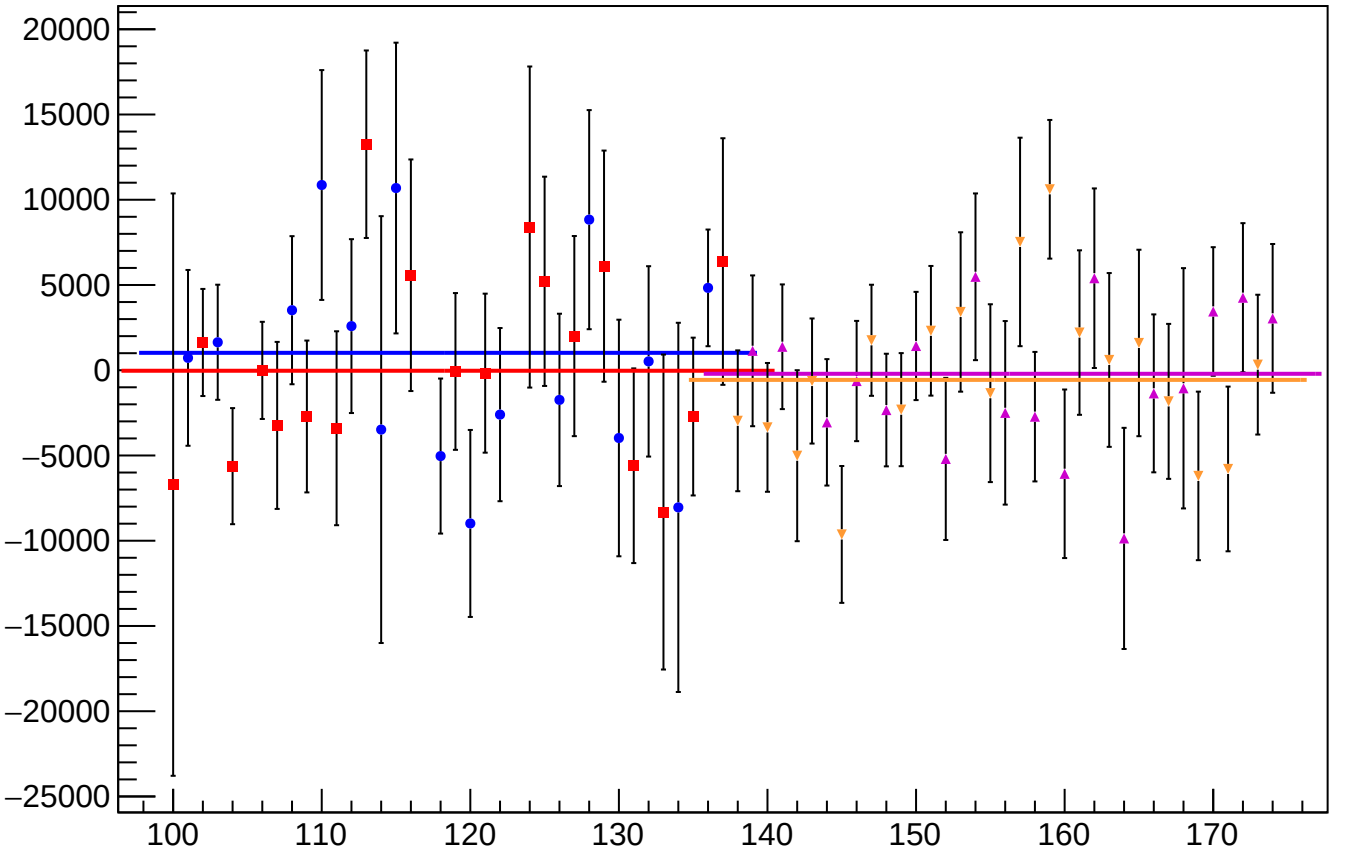
Left: 1144.877+/-0.148 χ^2/NDF: 214284.9/36

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.7/34

In: 1152.665+/-0.175 χ^2/NDF:717192.5/33

Out: 1147.959+/-0.173 χ^2/NDF:627340.5/37

All: 1150.294+/-0.123 χ^2/NDF: 1344898.5/71



Right In: 1021.047+/-1302.431 χ^2/NDF: 13.9/15

Left Out: -566.647+/-982.740 χ^2/NDF:21.3/18

Right Out: -30.135+/-1130.743 χ^2/NDF: 16.1/18

Left In: -208.414+/-998.732 χ^2/NDF:12.0/17

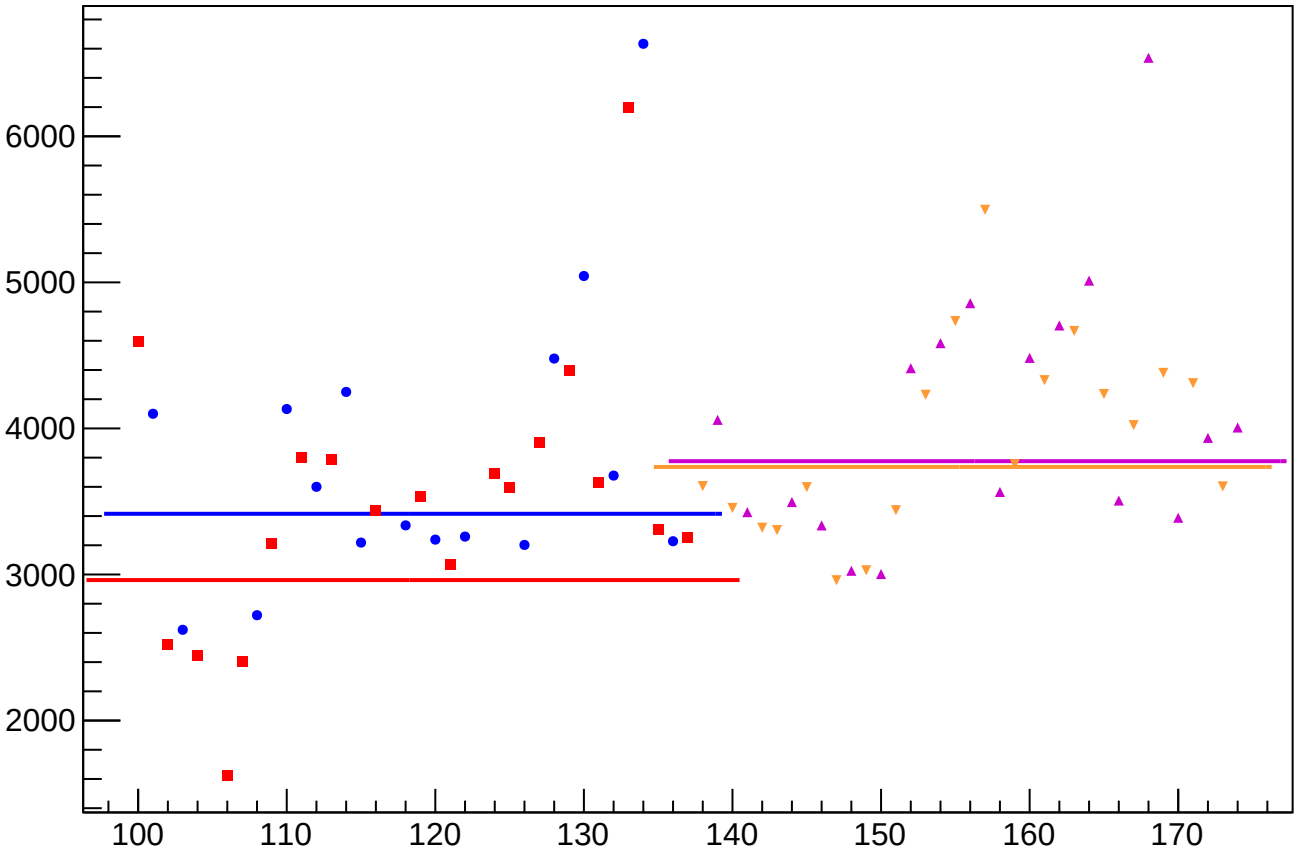
Left: -390.421+/-700.488 χ^2/NDF: 33.4/36

Right: 421.650+/-853.851 χ^2/NDF: 30.4/34

In: 246.834+/-792.541 χ^2/NDF:26.4/33

Out: -335.778+/-741.748 χ^2/NDF:37.6/37

All: -63.738+/-541.562 χ^2/NDF: 64.3/71



Right In: 3415.595+/-0.921 χ^2/NDF: 592344.0/15

Left Out: 3736.224+/-0.695 χ^2/NDF:720919.0/18

Right Out: 2961.798+/-0.800 χ^2/NDF: 1169257.4/18

Left In: 3775.826+/-0.706 χ^2/NDF:987220.5/17

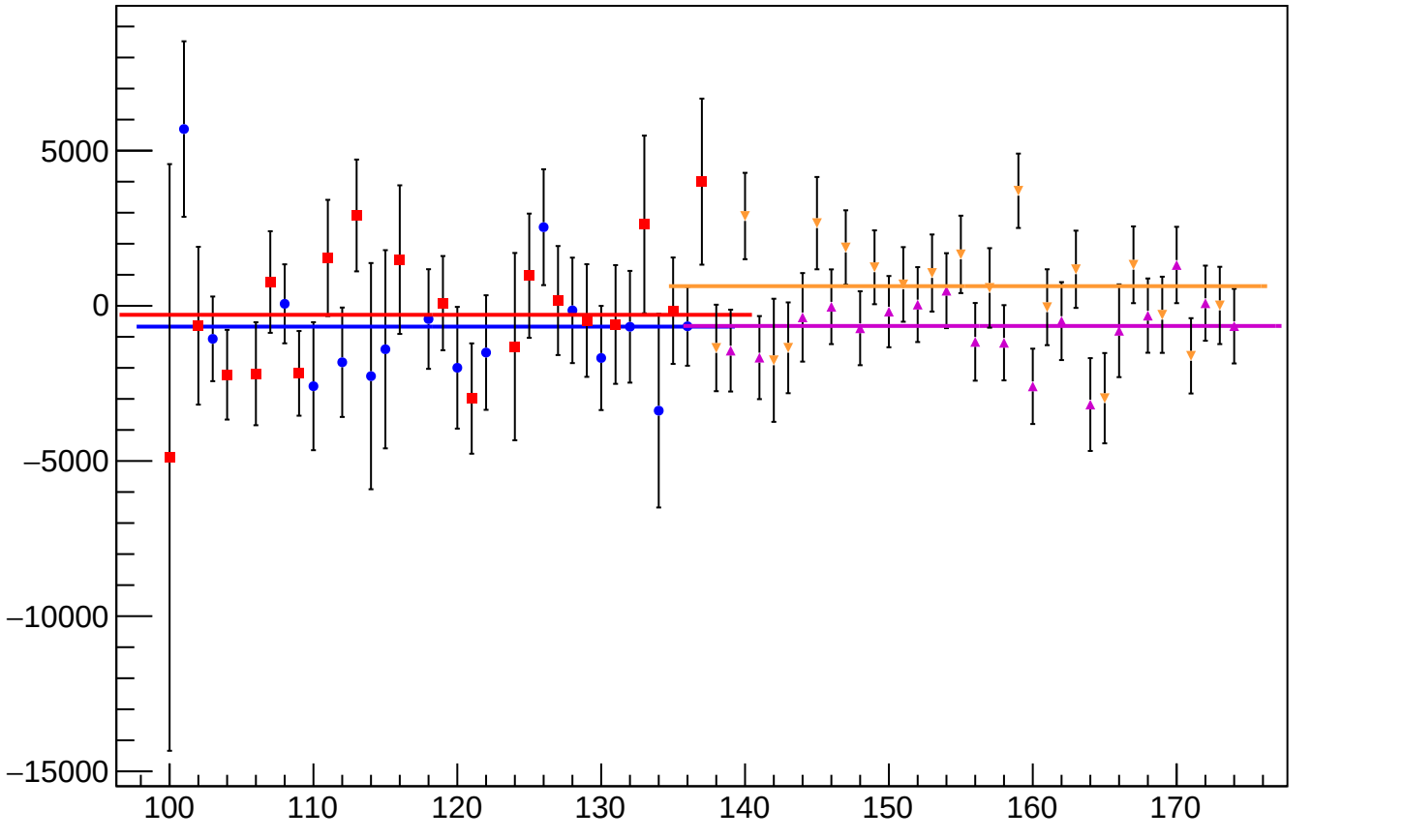
Left: 3755.706+/-0.495 χ^2/NDF: 1709737.2/36

Right: 3156.834+/-0.604 χ^2/NDF: 1900046.9/34

In: 3642.439+/-0.560 χ^2/NDF:1675909.7/33

Out: 3402.978+/-0.524 χ^2/NDF:2424614.7/37

All: 3514.790+/-0.383 χ^2/NDF: 4197852.9/71



Right In: -670.824+/-448.500 χ^2/NDF: 11.9/15

Left Out: 633.276+/-297.138 χ^2/NDF:29.8/18

Right Out: -290.316+/-434.425 χ^2/NDF: 16.9/18

Left In: -649.323+/-296.045 χ^2/NDF:11.5/17

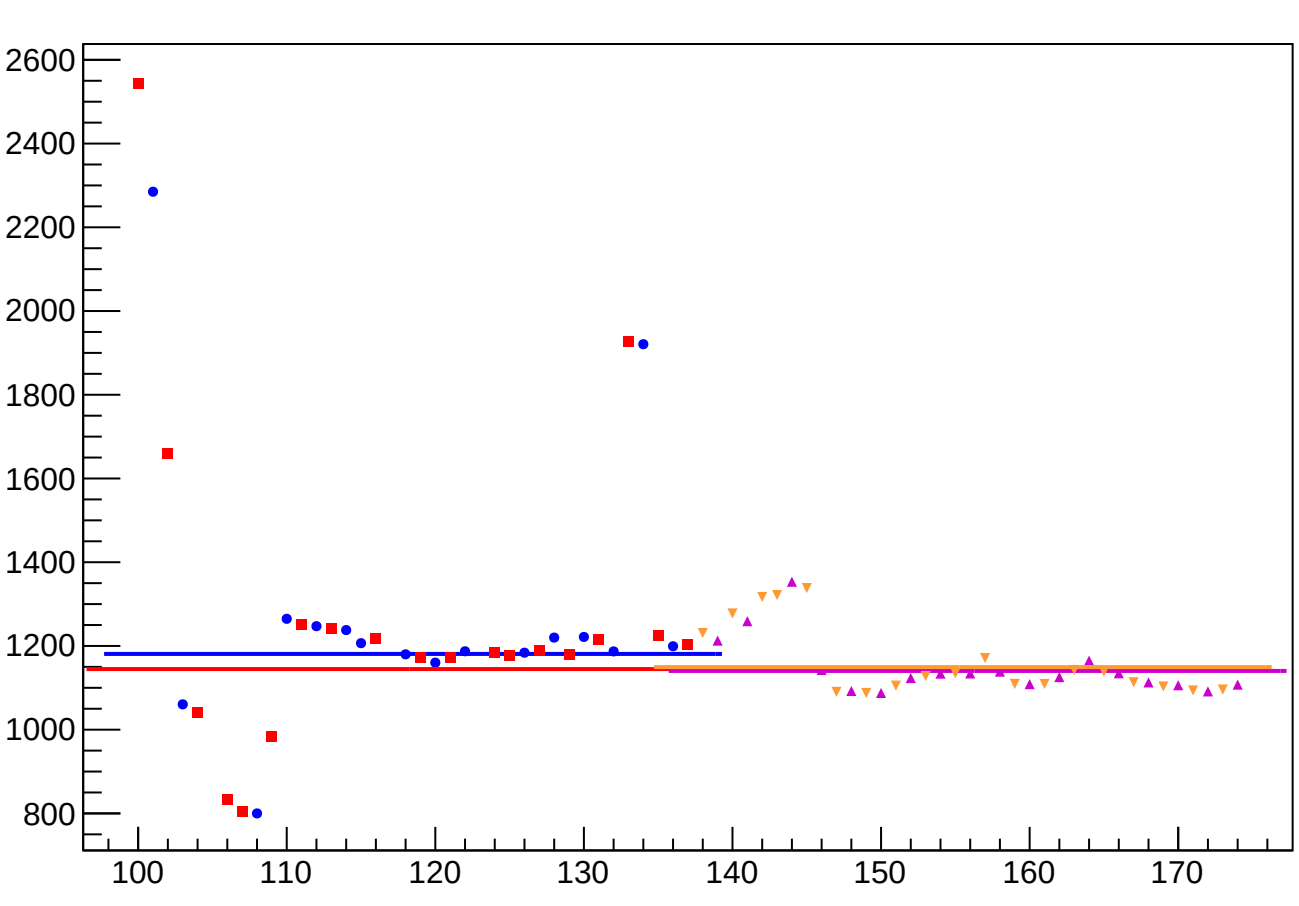
Left: -10.388+/-209.721 χ^2/NDF: 50.6/36

Right: -474.506+/-312.042 χ^2/NDF: 29.2/34

In: -655.848+/-247.073 χ^2/NDF:23.3/33

Out: 338.907+/-245.257 χ^2/NDF:49.8/37

All: -154.801+/-174.061 χ^2/NDF: 81.3/71



Right In: 1180.955+/-0.317 χ^2/NDF: 621878.9/15

Left Out: 1149.450+/-0.210 χ^2/NDF:129452.2/18

Right Out: 1144.777+/-0.307 χ^2/NDF: 497730.2/18

Left In: 1140.340+/-0.209 χ^2/NDF:83888.9/17

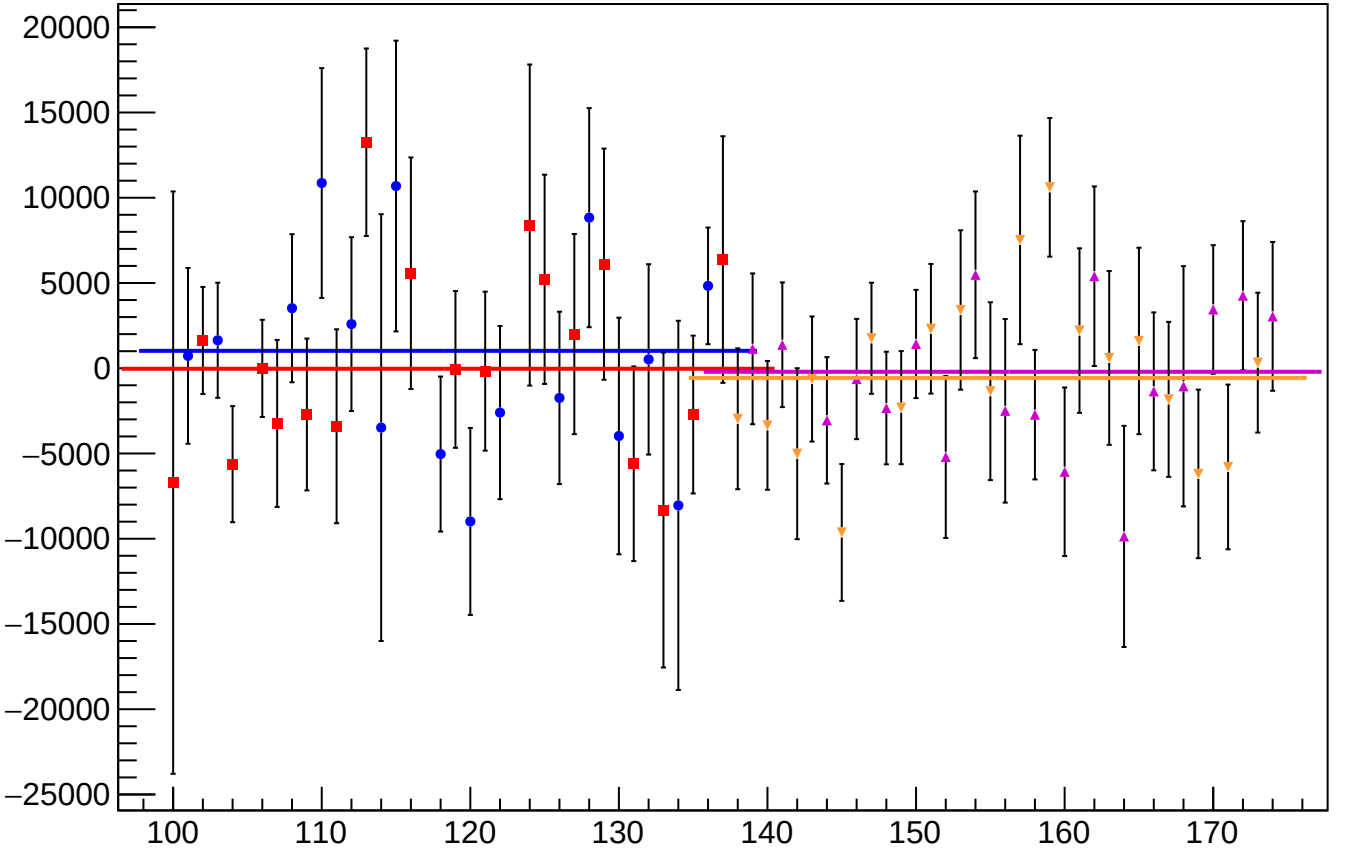
Left: 1144.878+/-0.148 χ^2/NDF: 214284.7/36

Right: 1162.281+/-0.221 χ^2/NDF: 1126326.4/34

In: 1152.666+/-0.175 χ^2/NDF:717192.0/33

Out: 1147.960+/-0.173 χ^2/NDF:627340.2/37

All: 1150.295+/-0.123 χ^2/NDF: 1344897.7/71



Right In: 1021.029+/-1302.430 χ^2/NDF: 13.9/15

Left Out: -566.646+/-982.741 χ^2/NDF:21.3/18

Right Out: -30.142+/-1130.741 χ^2/NDF: 16.1/18

Left In: -208.411+/-998.733 χ^2/NDF:12.0/17

Left: -390.420+/-700.489 χ^2/NDF: 33.4/36

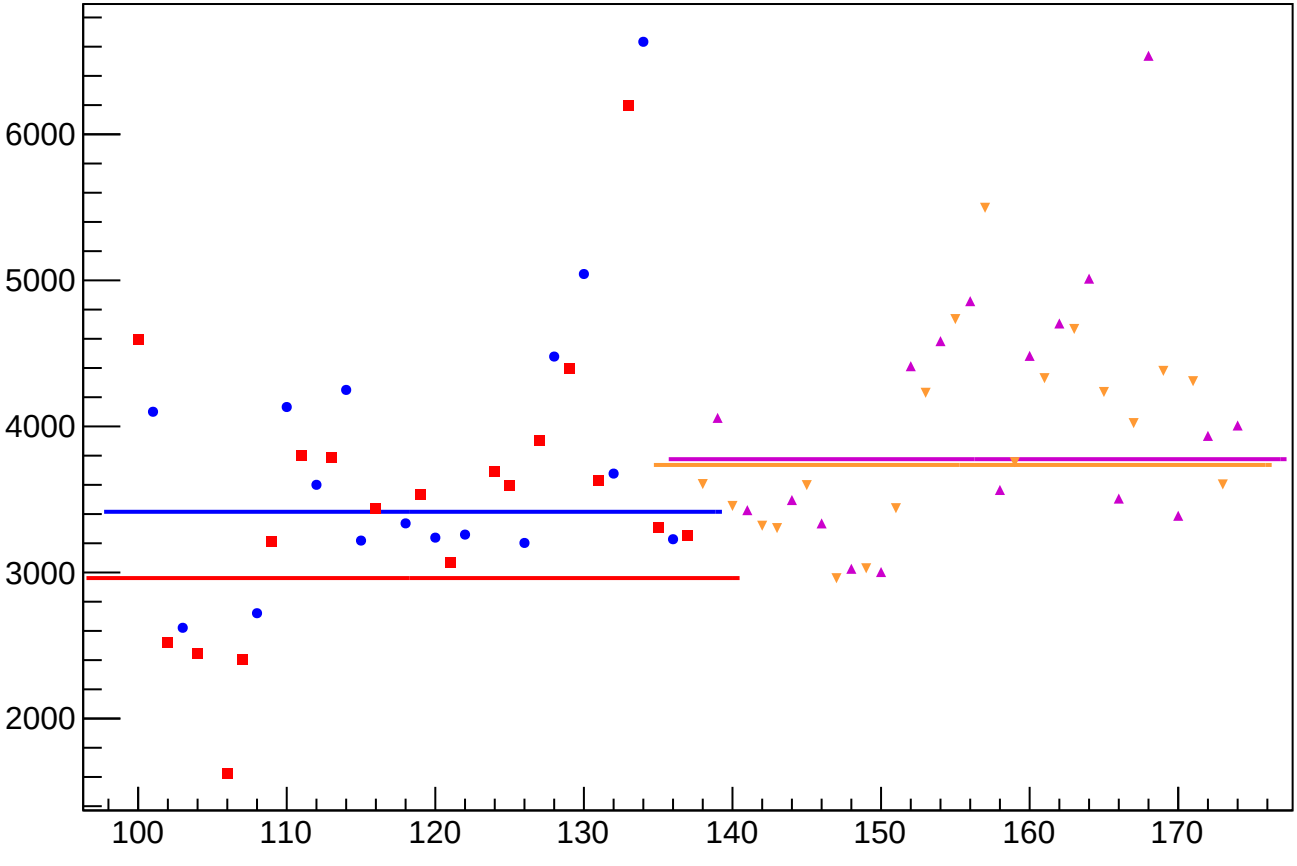
Right: 421.639+/-853.849 χ^2/NDF: 30.4/34

In: 246.831+/-792.541 χ^2/NDF:26.4/33

Out: -335.780+/-741.748 χ^2/NDF:37.6/37

All: -63.741+/-541.562 χ^2/NDF: 64.3/71

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3415.591+/-0.921 χ^2/NDF: 592339.1/15

Left Out: 3736.229+/-0.695 χ^2/NDF:720918.0/18

Right Out: 2961.793+/-0.800 χ^2/NDF: 1169257.0/18

Left In: 3775.831+/-0.706 χ^2/NDF:987221.0/17

Left: 3755.711+/-0.495 χ^2/NDF: 1709736.6/36

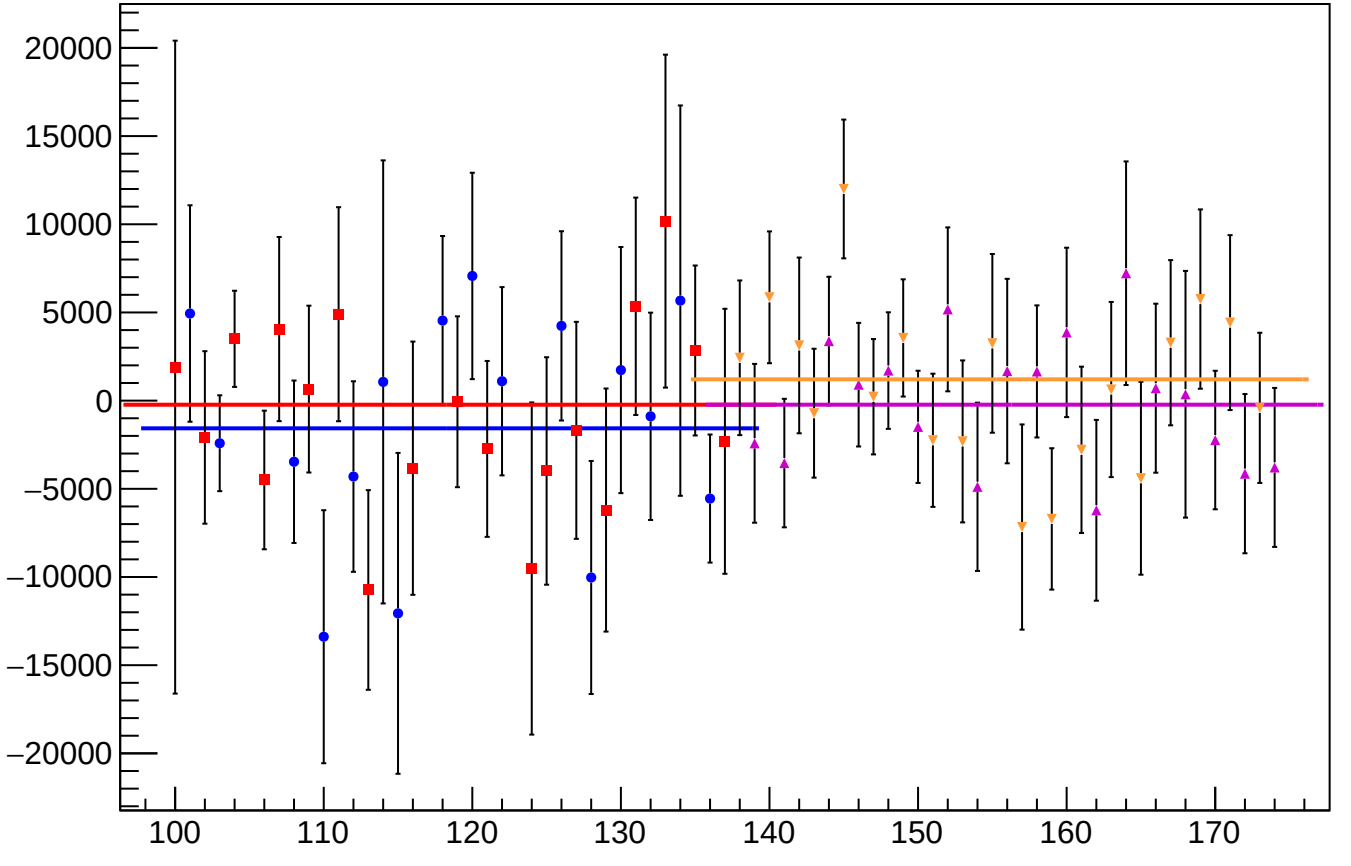
Right: 3156.830+/-0.604 χ^2/NDF: 1900042.9/34

In: 3642.440+/-0.560 χ^2/NDF:1675909.6/33

Out: 3402.977+/-0.524 χ^2/NDF:2424627.8/37

All: 3514.790+/-0.383 χ^2/NDF: 4197867.0/71

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1569.809+/-1312.937 χ^2/NDF: 14.5/15

Left Out: 1207.397+/-983.018 χ^2/NDF:21.1/18

Right Out: -231.125+/-1224.318 χ^2/NDF: 13.2/18

Left In: -230.062+/-998.407 χ^2/NDF:10.5/17

Left: 499.831+/-700.476 χ^2/NDF: 32.6/36

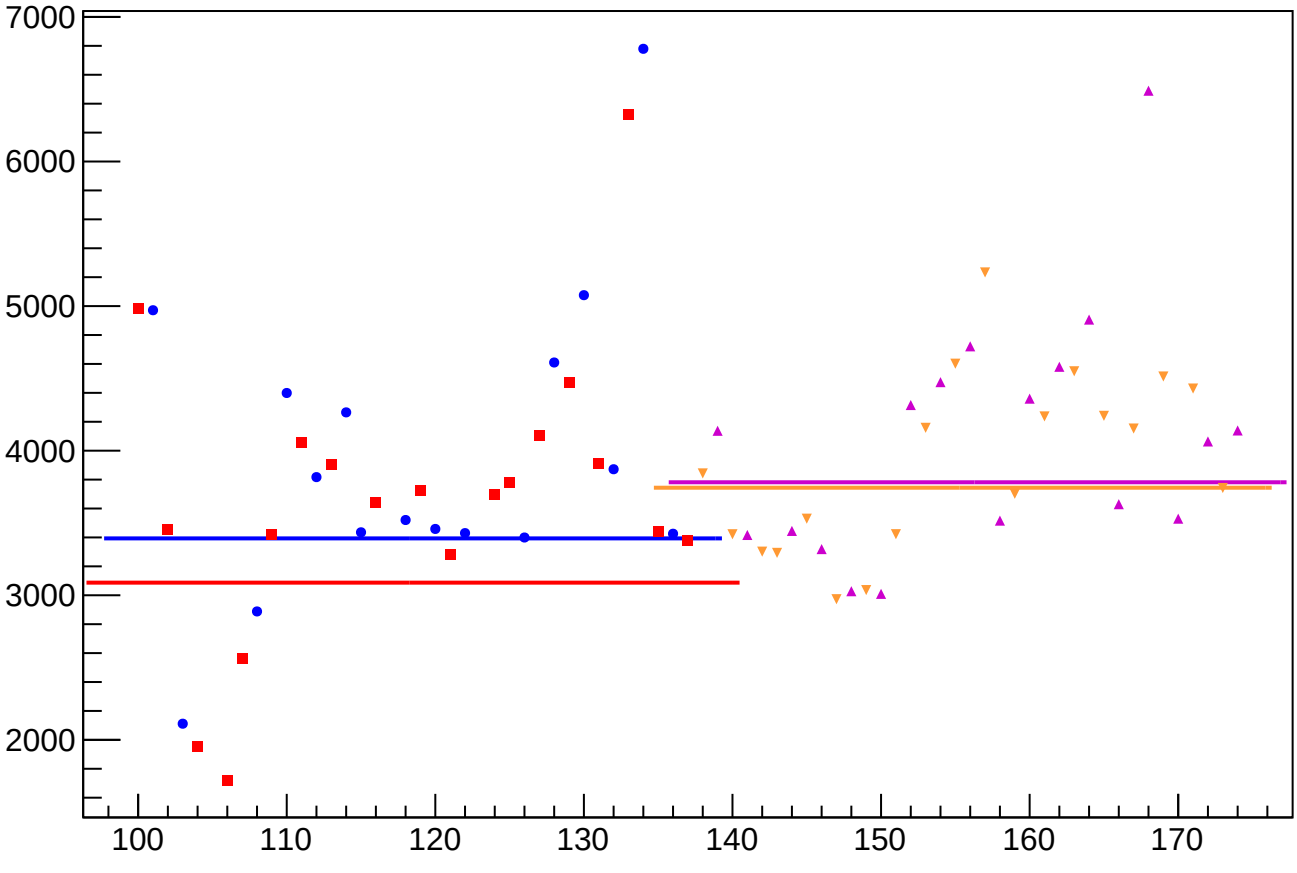
Right: -853.767+/-895.415 χ^2/NDF: 28.2/34

In: -720.936+/-794.726 χ^2/NDF:25.6/33

Out: 643.534+/-766.518 χ^2/NDF:35.1/37

All: -14.056+/-551.713 χ^2/NDF: 62.3/71

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3393.365+/-0.928 χ^2/NDF: 1048707.6/15

Left Out: 3743.856+/-0.695 χ^2/NDF:679581.4/18

Right Out: 3087.307+/-0.851 χ^2/NDF: 1328355.8/18

Left In: 3781.511+/-0.706 χ^2/NDF:920464.4/17

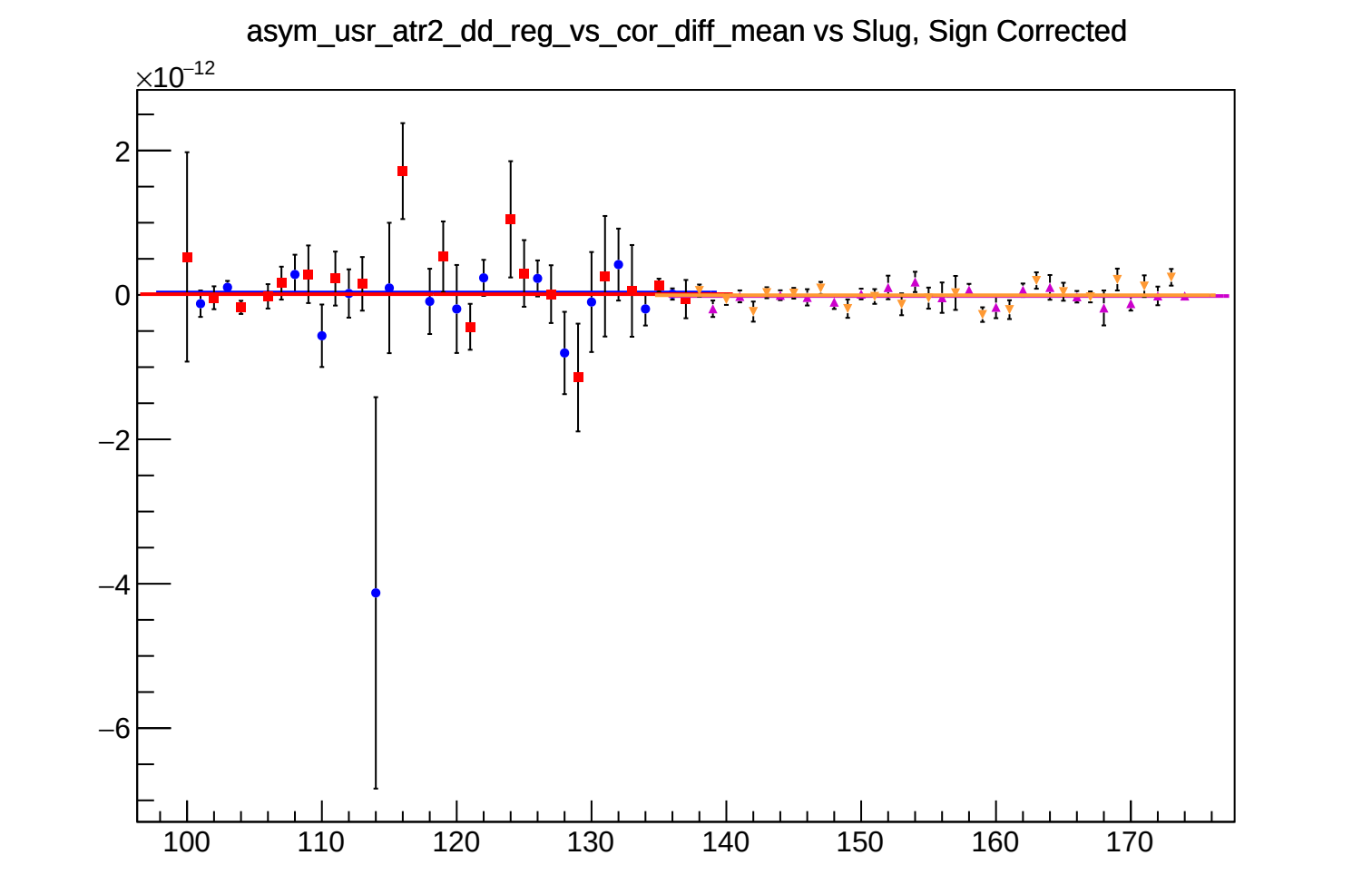
Left: 3762.391+/-0.495 χ^2/NDF: 1601490.3/36

Right: 3227.090+/-0.627 χ^2/NDF: 2436107.0/34

In: 3639.297+/-0.562 χ^2/NDF:2079924.2/33

Out: 3481.201+/-0.538 χ^2/NDF:2364848.9/37

All: 3556.866+/-0.389 χ^2/NDF: 4486040.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:28.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/17

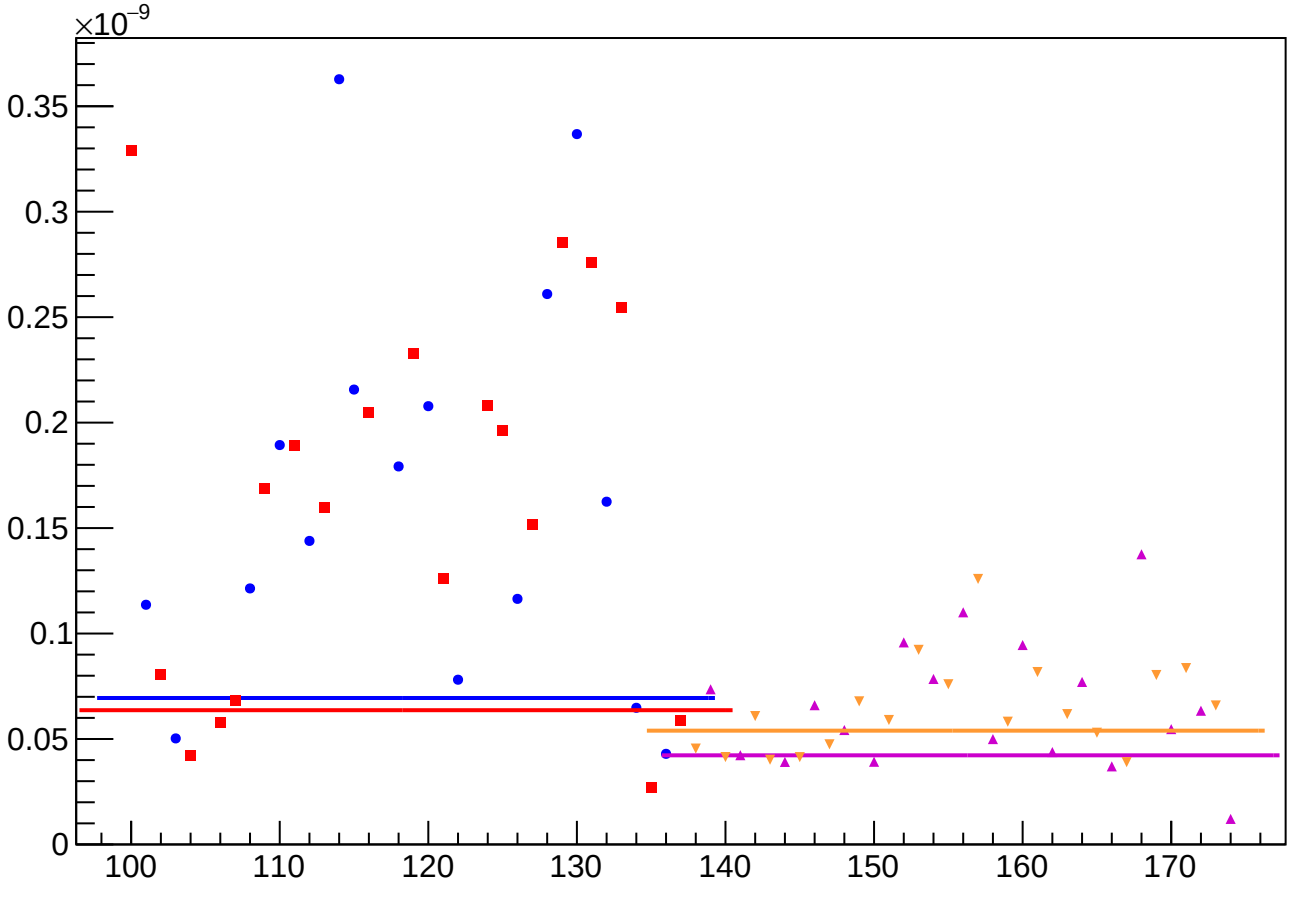
Left: -0.000+/-0.000 χ^2/NDF: 39.5/36

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: -0.000+/-0.000 χ^2/NDF:23.3/33

Out: -0.000+/-0.000 χ^2/NDF:50.7/37

All: -0.000+/-0.000 χ^2/NDF: 74.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 1729471.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:950169.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2250342.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2648280.6/17

Left: 0.000+/-0.000 χ^2/NDF: 3865554.3/36

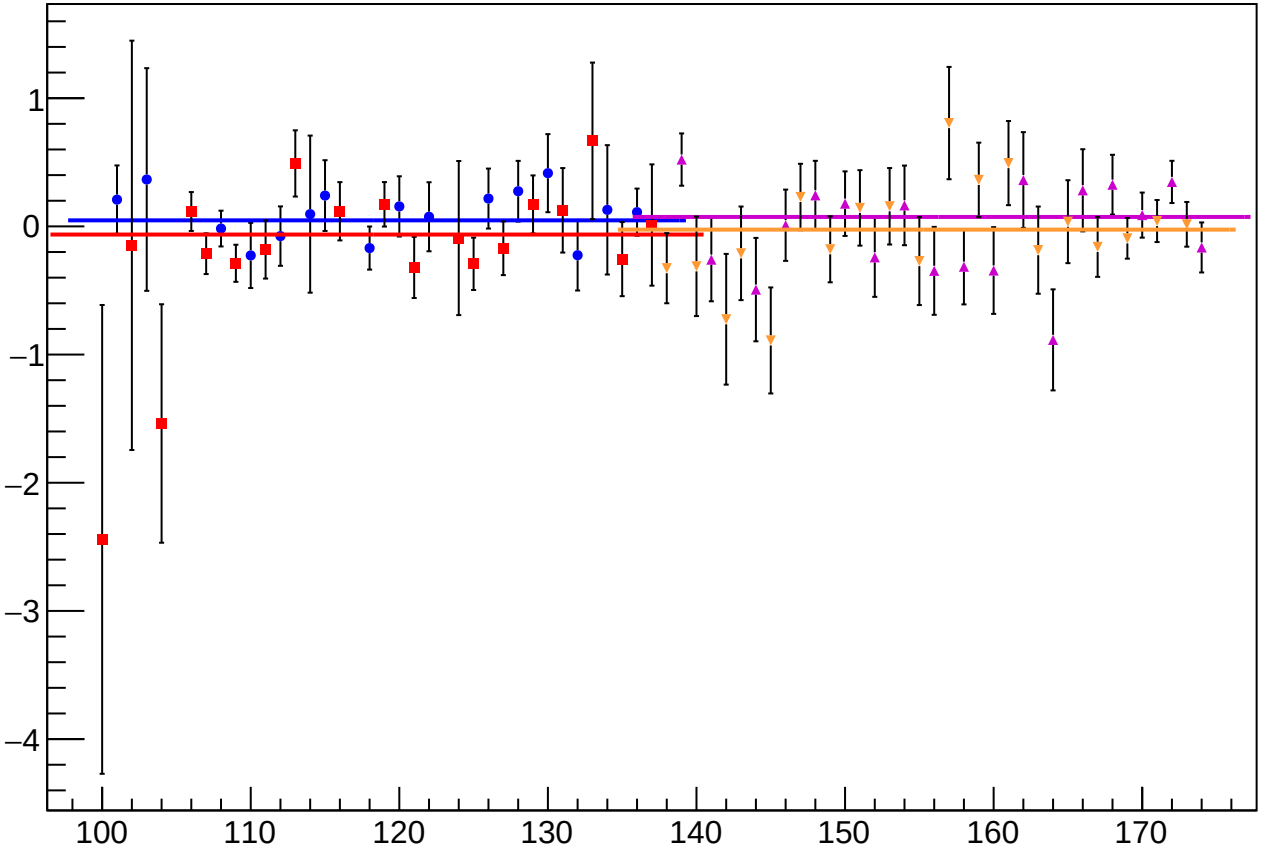
Right: 0.000+/-0.000 χ^2/NDF: 3993621.5/34

In: 0.000+/-0.000 χ^2/NDF:4895375.7/33

Out: 0.000+/-0.000 χ^2/NDF:3262789.0/37

All: 0.000+/-0.000 χ^2/NDF: 8356036.6/71

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

Left: 0.024+/-0.043 χ^2/NDF: 47.7/36

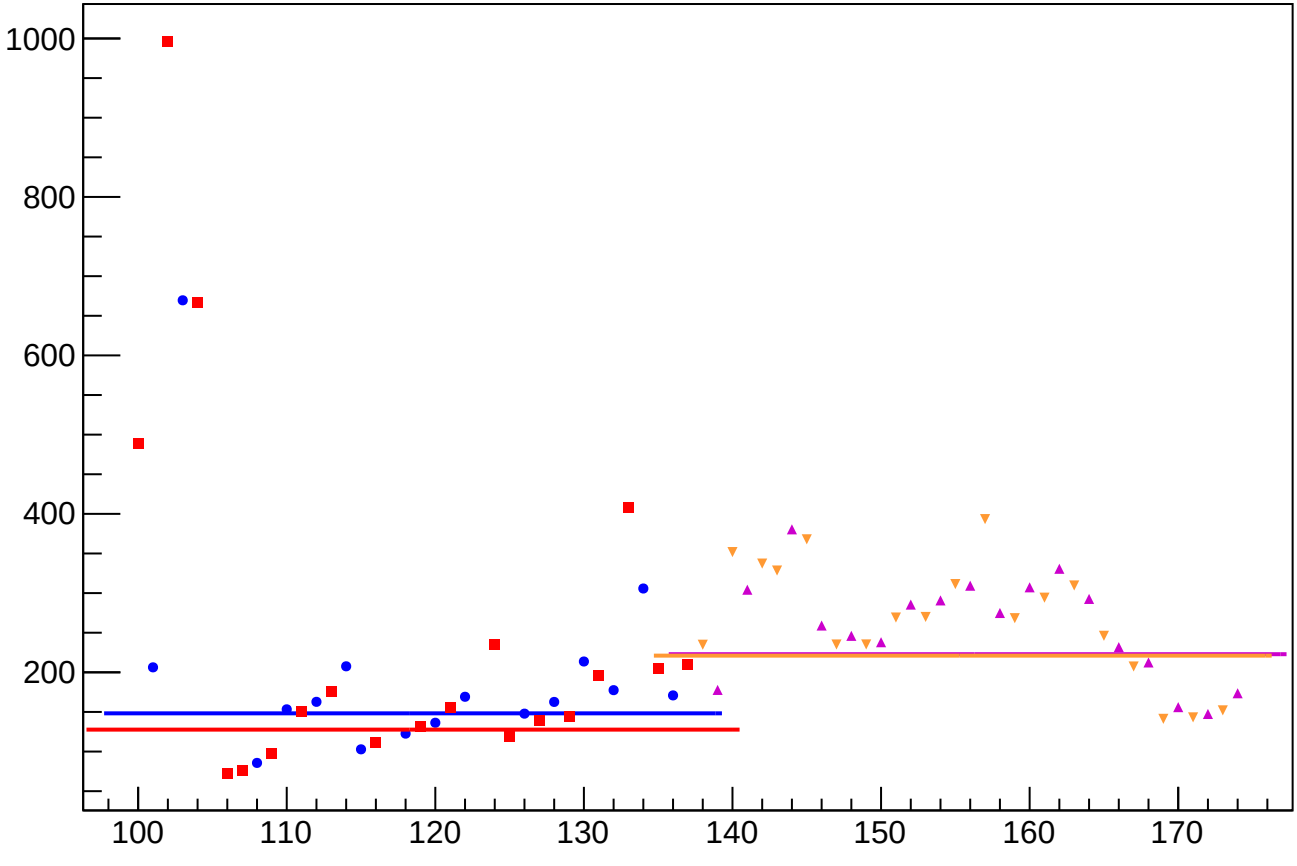
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.004+/-0.029 χ^2/NDF: 80.8/71

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 221.070+/-0.043 χ^2/NDF:2906136.3/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

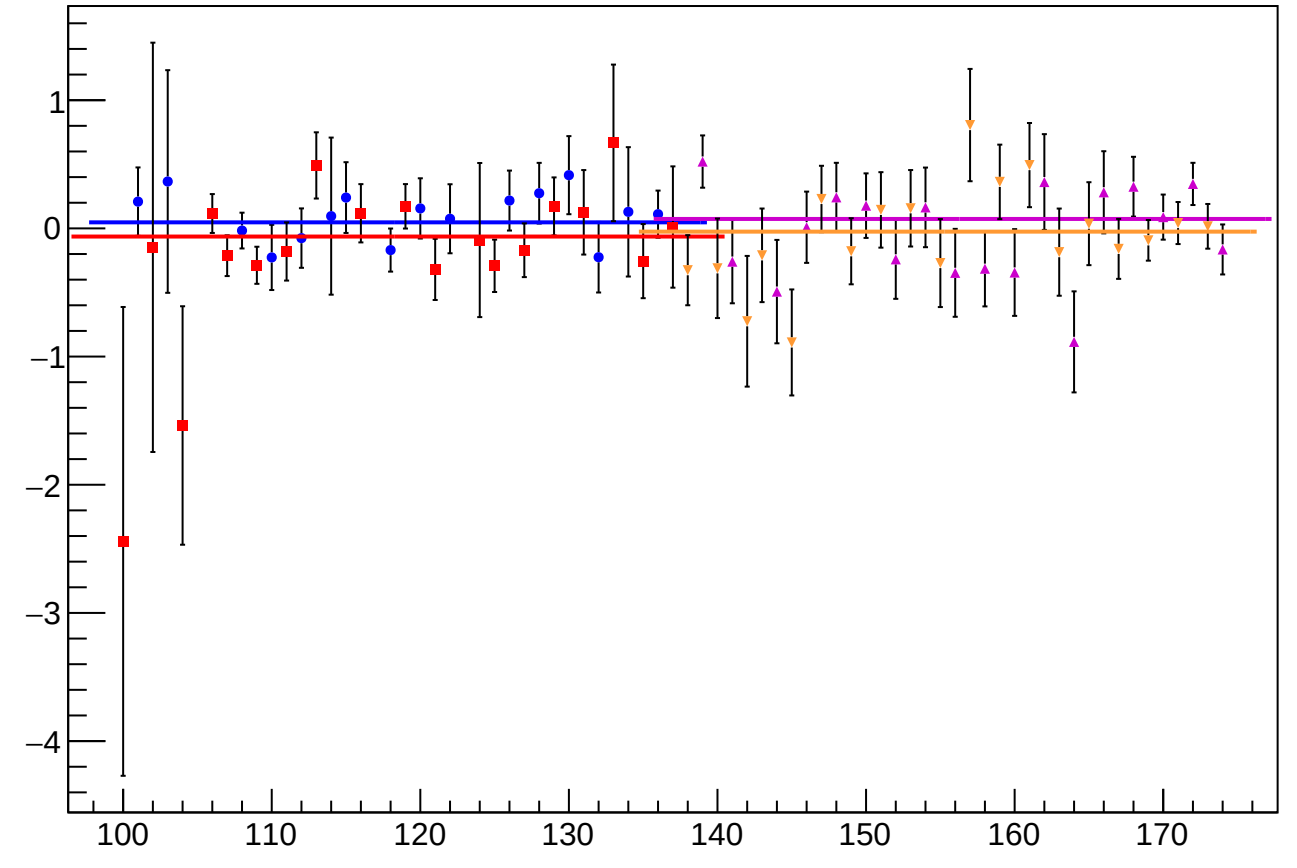
Left: 221.974+/-0.030 χ^2/NDF: 5054690.0/36

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.987+/-0.030 χ^2/NDF:5380073.7/33

Out: 169.481+/-0.029 χ^2/NDF:8360005.4/37

All: 176.836+/-0.021 χ^2/NDF: 13878240.7/71



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

Left: 0.024+/-0.043 χ^2/NDF: 47.7/36

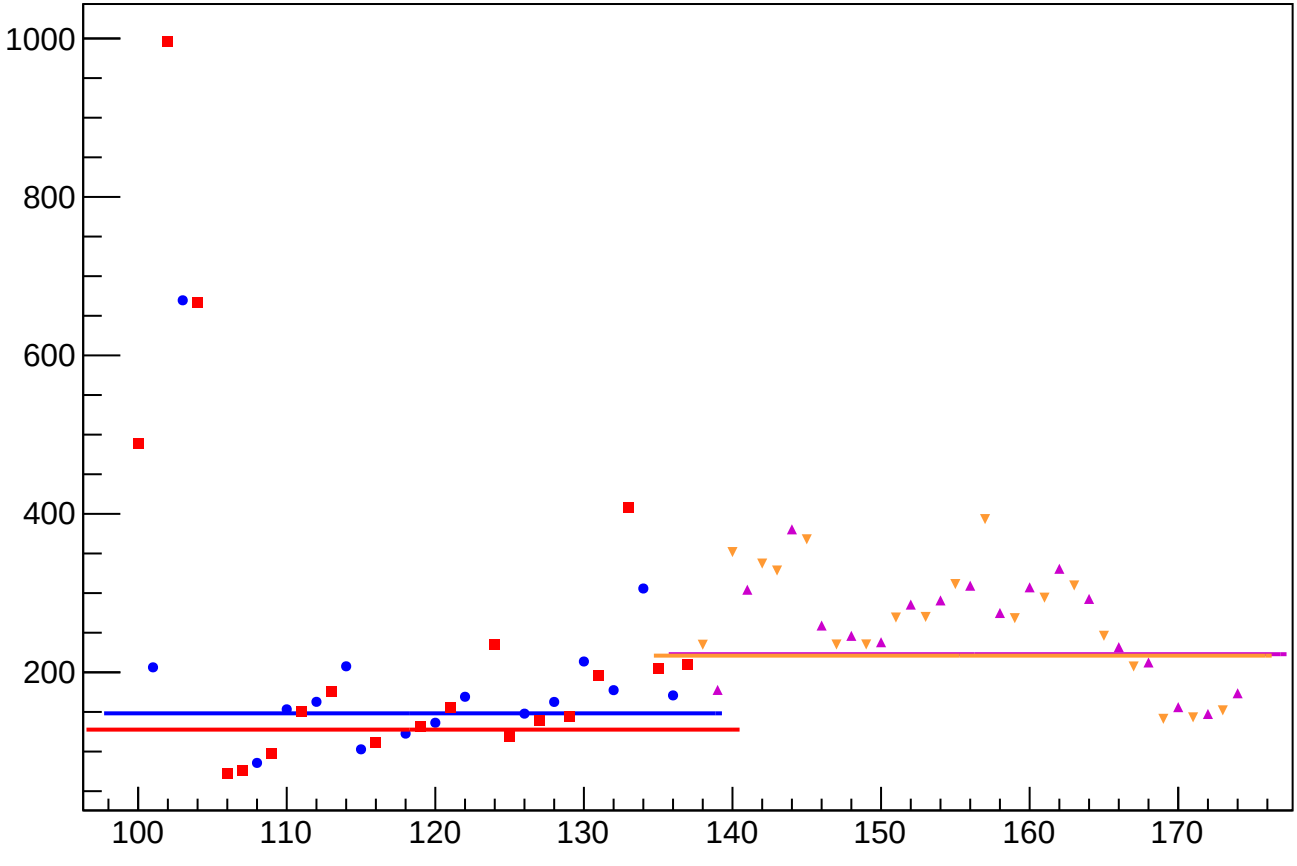
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.004+/-0.029 χ^2/NDF: 80.8/71

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.240+/-0.042 χ^2/NDF: 1710035.6/15

Left Out: 221.070+/-0.043 χ^2/NDF:2906136.3/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841780.7/18

Left In: 222.885+/-0.043 χ^2/NDF:2147664.4/17

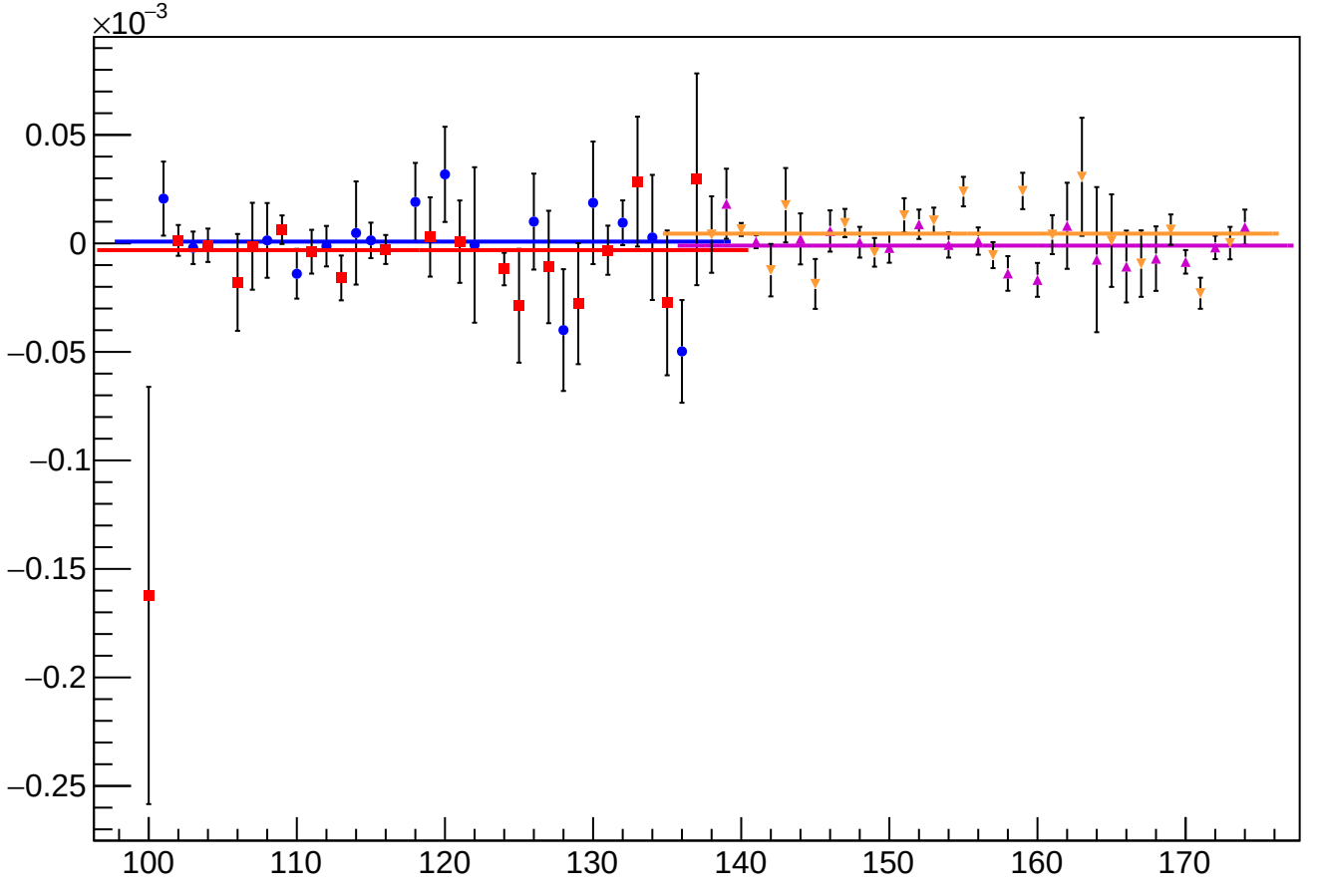
Left: 221.974+/-0.030 χ^2/NDF: 5054690.0/36

Right: 137.004+/-0.029 χ^2/NDF: 4680006.1/34

In: 184.987+/-0.030 χ^2/NDF:5380073.7/33

Out: 169.481+/-0.029 χ^2/NDF:8360005.4/37

All: 176.836+/-0.021 χ^2/NDF: 13878240.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.1/17

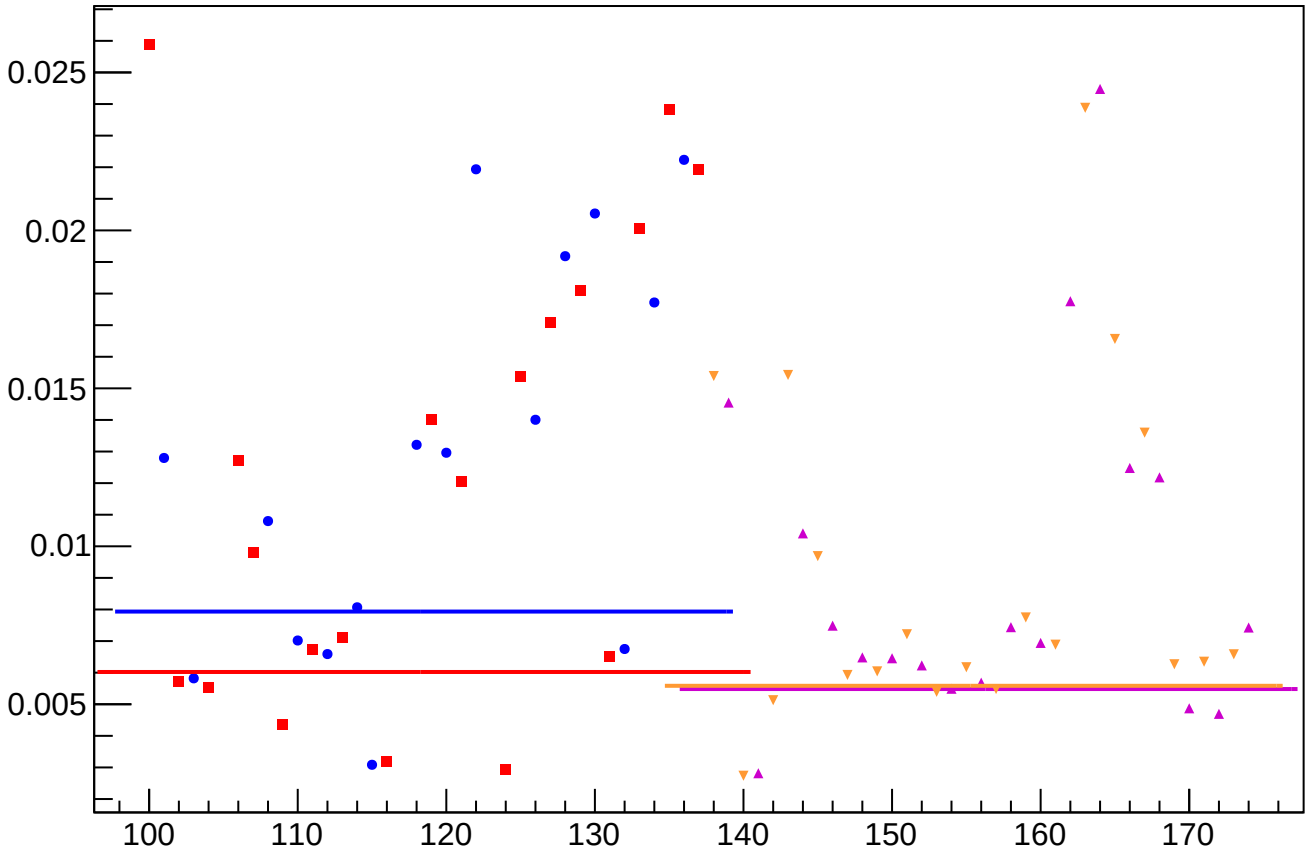
Left: 0.000+/-0.000 χ^2/NDF: 65.4/36

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:29.6/33

Out: 0.000+/-0.000 χ^2/NDF:63.3/37

All: 0.000+/-0.000 χ^2/NDF: 95.2/71



Right In: 0.008+/-0.000 χ^2/NDF: 3577687.8/15

Left Out: 0.006+/-0.000 χ^2/NDF:5705431.9/18

Right Out: 0.006+/-0.000 χ^2/NDF: 4009592.0/18

Left In: 0.005+/-0.000 χ^2/NDF:5305820.1/17

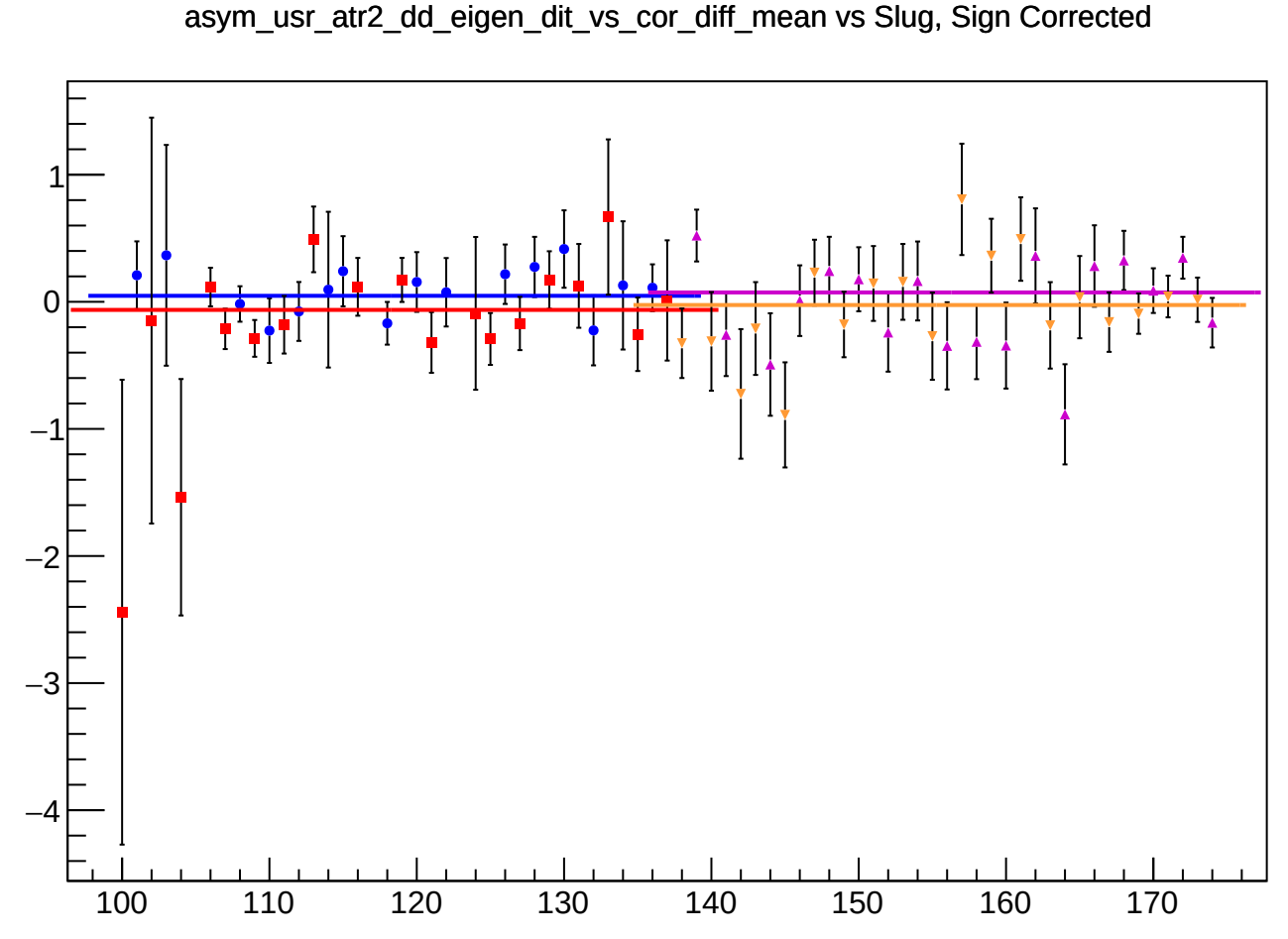
Left: 0.006+/-0.000 χ^2/NDF: 11015151.6/36

Right: 0.007+/-0.000 χ^2/NDF: 7973863.6/34

In: 0.006+/-0.000 χ^2/NDF:9705880.8/33

Out: 0.006+/-0.000 χ^2/NDF:9754557.7/37

All: 0.006+/-0.000 χ^2/NDF: 19483270.6/71



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

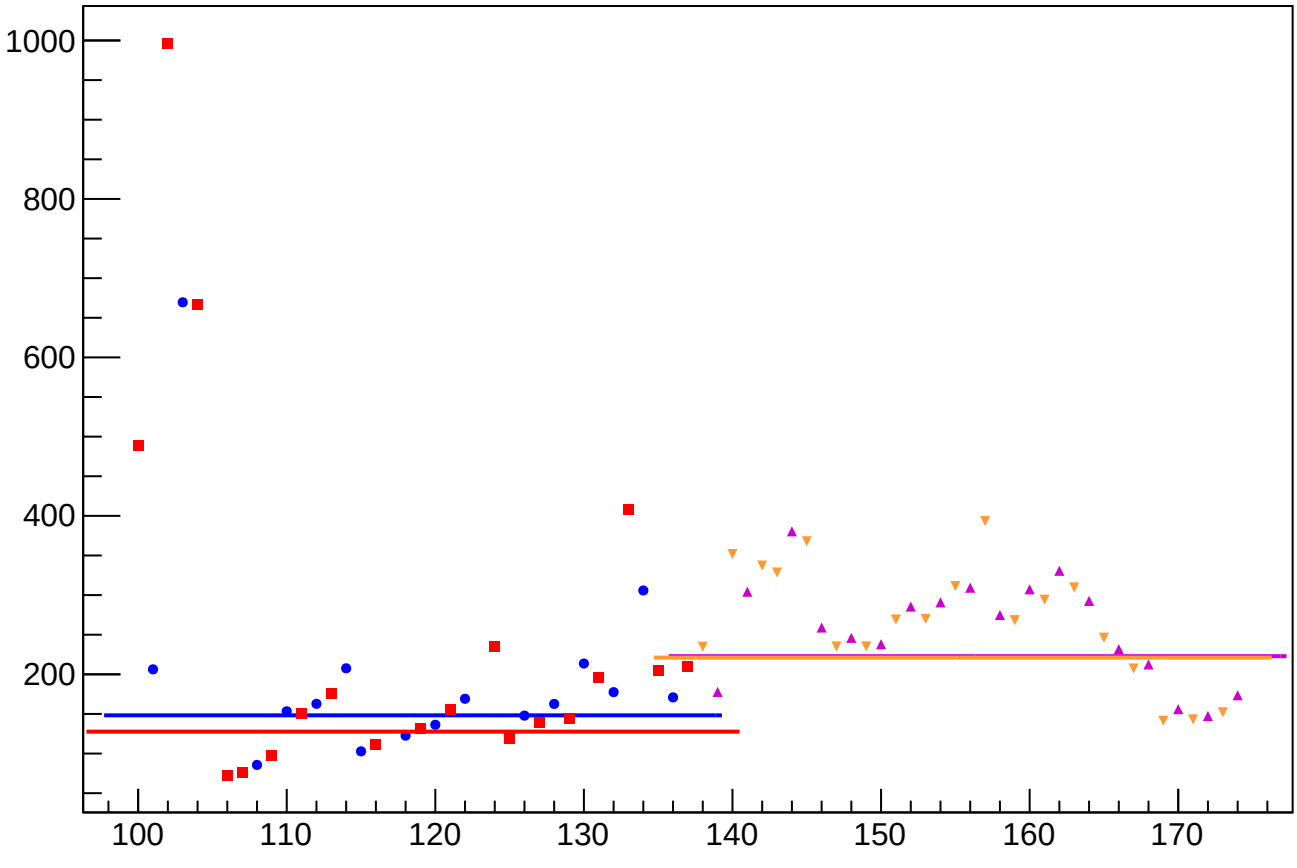
Left: 0.024+/-0.043 χ^2/NDF: 47.7/36

Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.004+/-0.029 χ^2/NDF: 80.8/71



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 221.071+/-0.043 χ^2/NDF:2906266.2/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

Left: 221.976+/-0.030 χ^2/NDF: 5054860.0/36

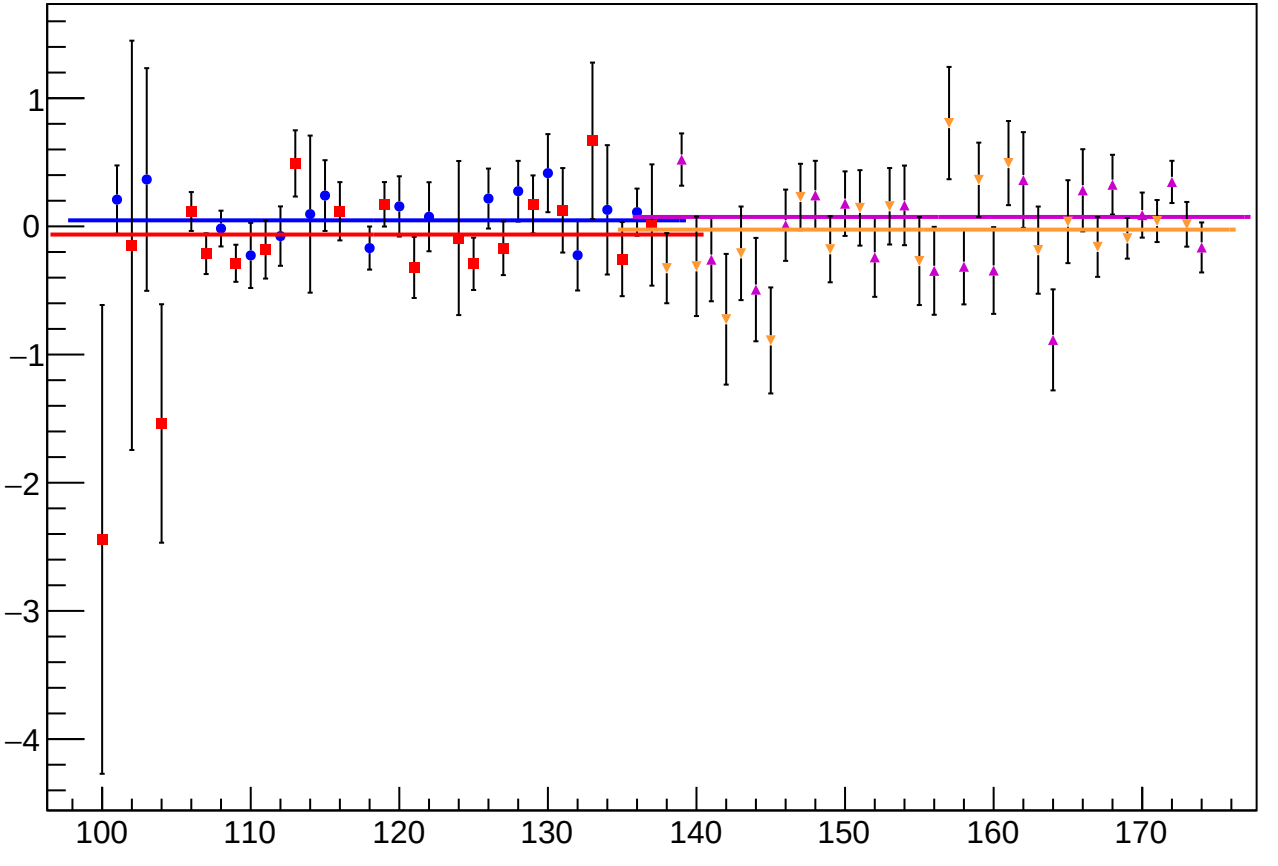
Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.985+/-0.030 χ^2/NDF:5380371.8/33

Out: 169.481+/-0.029 χ^2/NDF:8360151.1/37

All: 176.835+/-0.021 χ^2/NDF: 13878661.5/71

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.060 χ^2/NDF: 8.6/15

Left Out: -0.025+/-0.061 χ^2/NDF:19.7/18

Right Out: -0.064+/-0.055 χ^2/NDF: 22.2/18

Left In: 0.074+/-0.061 χ^2/NDF:26.7/17

Left: 0.024+/-0.043 χ^2/NDF: 47.7/36

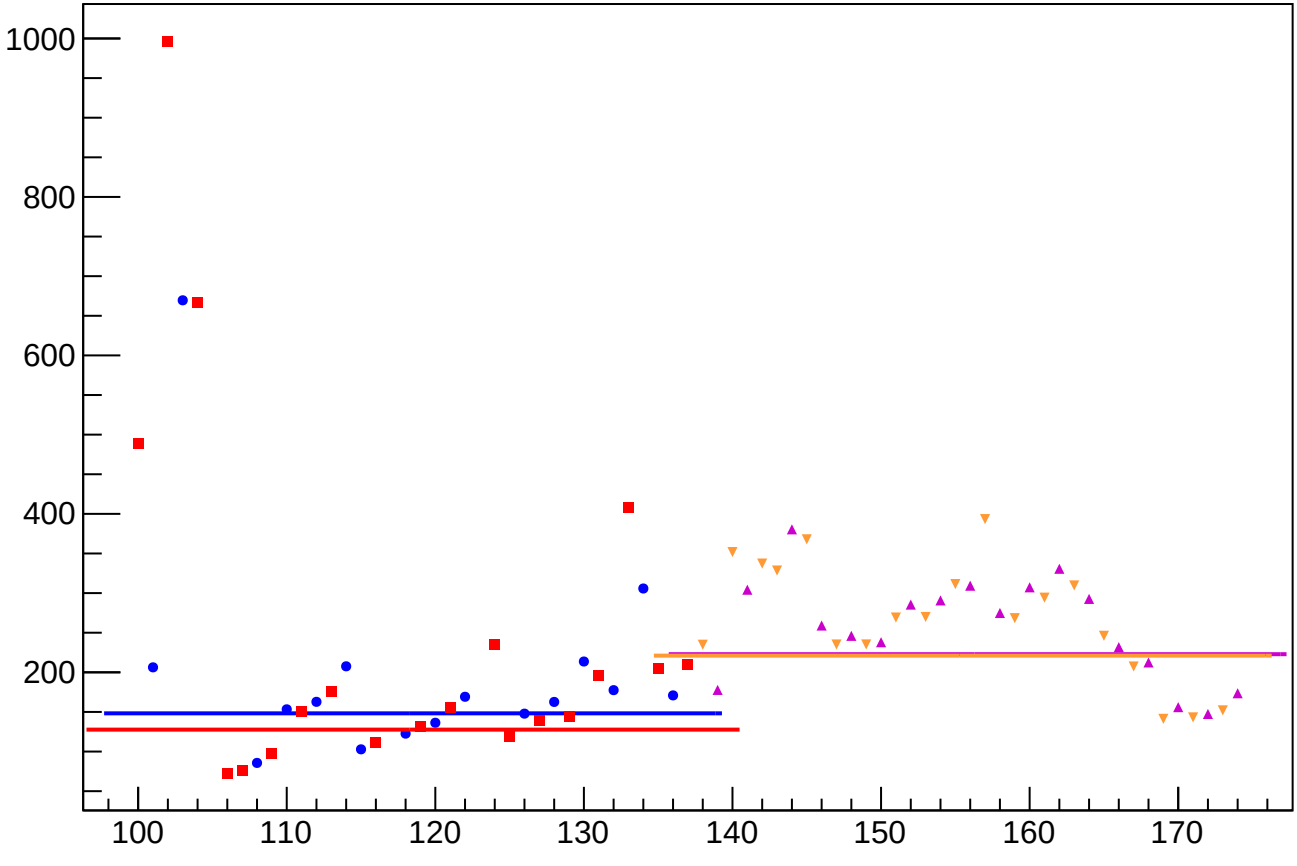
Right: -0.013+/-0.040 χ^2/NDF: 32.7/34

In: 0.060+/-0.043 χ^2/NDF:35.4/33

Out: -0.047+/-0.041 χ^2/NDF:42.1/37

All: 0.004+/-0.029 χ^2/NDF: 80.8/71

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.238+/-0.042 χ^2/NDF: 1710114.4/15

Left Out: 221.071+/-0.043 χ^2/NDF:2906266.2/18

Right Out: 127.685+/-0.039 χ^2/NDF: 2841772.5/18

Left In: 222.887+/-0.043 χ^2/NDF:2147703.3/17

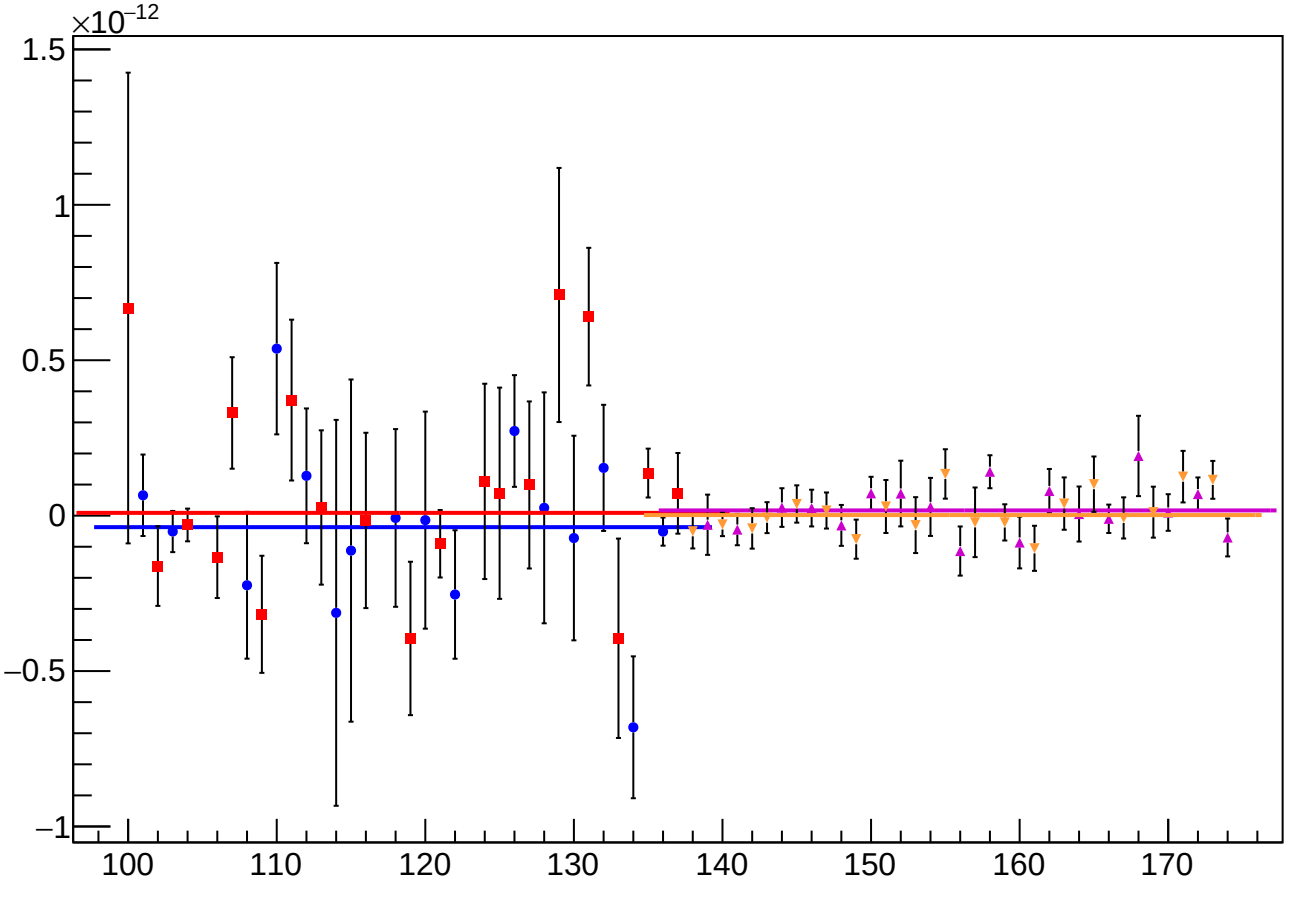
Left: 221.976+/-0.030 χ^2/NDF: 5054860.0/36

Right: 137.003+/-0.029 χ^2/NDF: 4680047.3/34

In: 184.985+/-0.030 χ^2/NDF:5380371.8/33

Out: 169.481+/-0.029 χ^2/NDF:8360151.1/37

All: 176.835+/-0.021 χ^2/NDF: 13878661.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 19.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 31.8/18

Left In: 0.000+/-0.000 χ^2/NDF:19.4/17

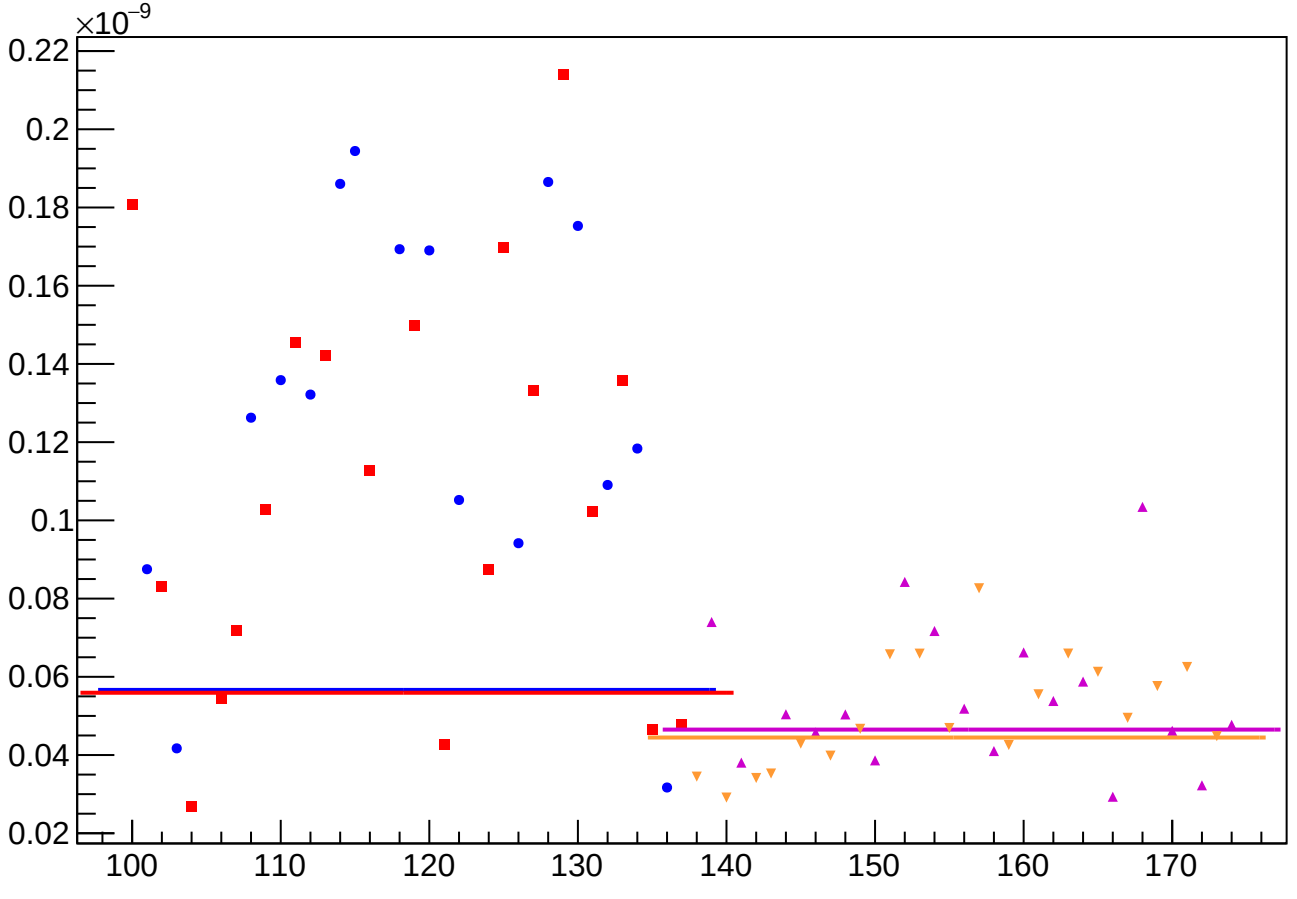
Left: 0.000+/-0.000 χ^2/NDF: 36.4/36

Right: -0.000+/-0.000 χ^2/NDF: 52.3/34

In: 0.000+/-0.000 χ^2/NDF:41.2/33

Out: 0.000+/-0.000 χ^2/NDF:48.3/37

All: 0.000+/-0.000 χ^2/NDF: 89.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 3113213.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1414005.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2732977.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1694456.3/17

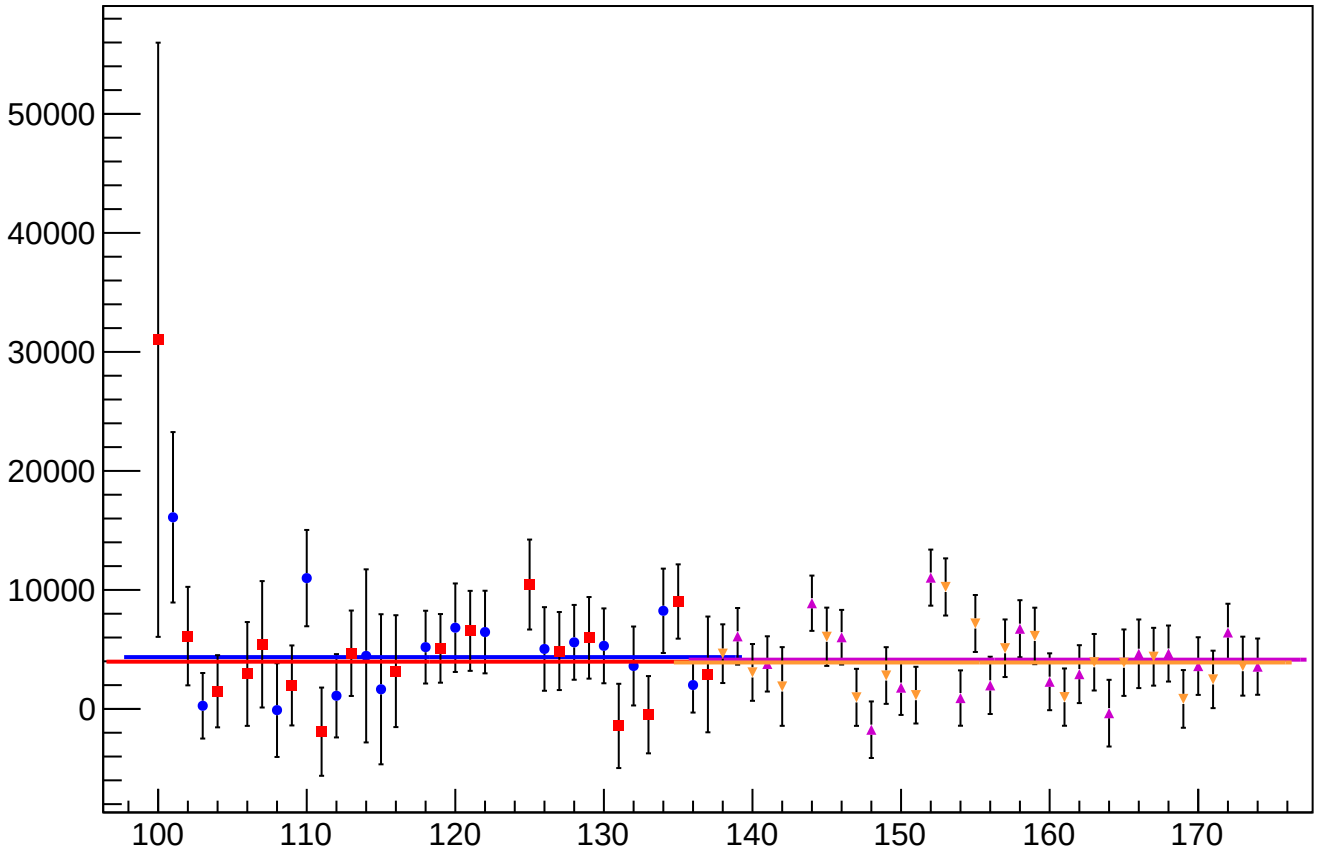
Left: 0.000+/-0.000 χ^2/NDF: 3126550.1/36

Right: 0.000+/-0.000 χ^2/NDF: 5846702.2/34

In: 0.000+/-0.000 χ^2/NDF:4970028.9/33

Out: 0.000+/-0.000 χ^2/NDF:4357567.7/37

All: 0.000+/-0.000 χ^2/NDF: 9346528.8/71



Right In: 4354.350+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3904.279+/-579.913 χ^2/NDF:17.8/17

Right Out: 3971.679+/-871.305 χ^2/NDF: 16.2/17

Left In: 4139.765+/-567.141 χ^2/NDF:29.7/17

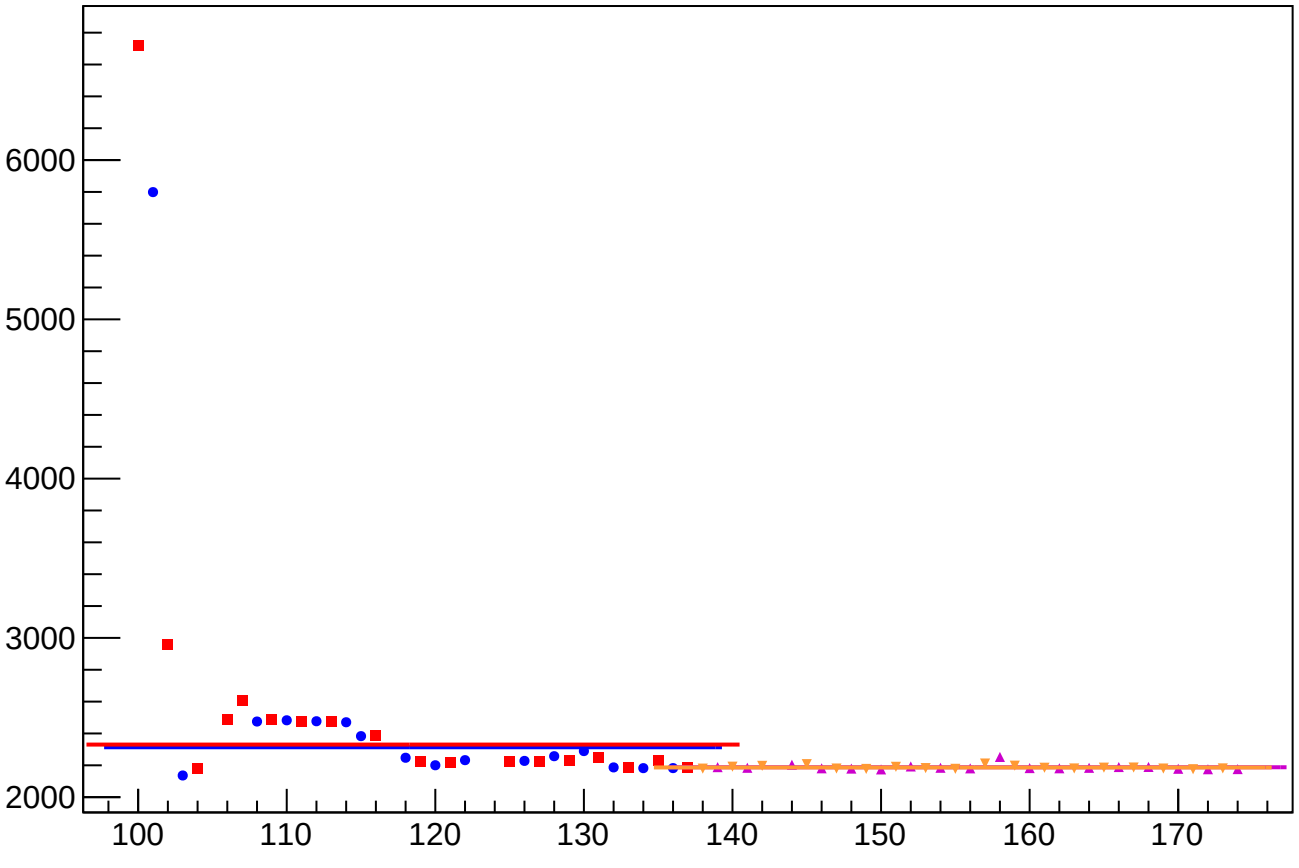
Left: 4024.644+/-405.470 χ^2/NDF: 47.6/35

Right: 4162.171+/-617.462 χ^2/NDF: 29.6/33

In: 4203.230+/-475.940 χ^2/NDF:43.1/33

Out: 3924.970+/-482.761 χ^2/NDF:34.0/35

All: 4066.080+/-338.927 χ^2/NDF: 77.3/69



Right In: 2313.413+/-0.619 χ^2/NDF: 512371.8/15

Left Out: 2186.608+/-0.410 χ^2/NDF:606.0/17

Right Out: 2330.200+/-0.616 χ^2/NDF: 151210.5/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

Left: 2187.236+/-0.287 χ^2/NDF: 2469.1/35

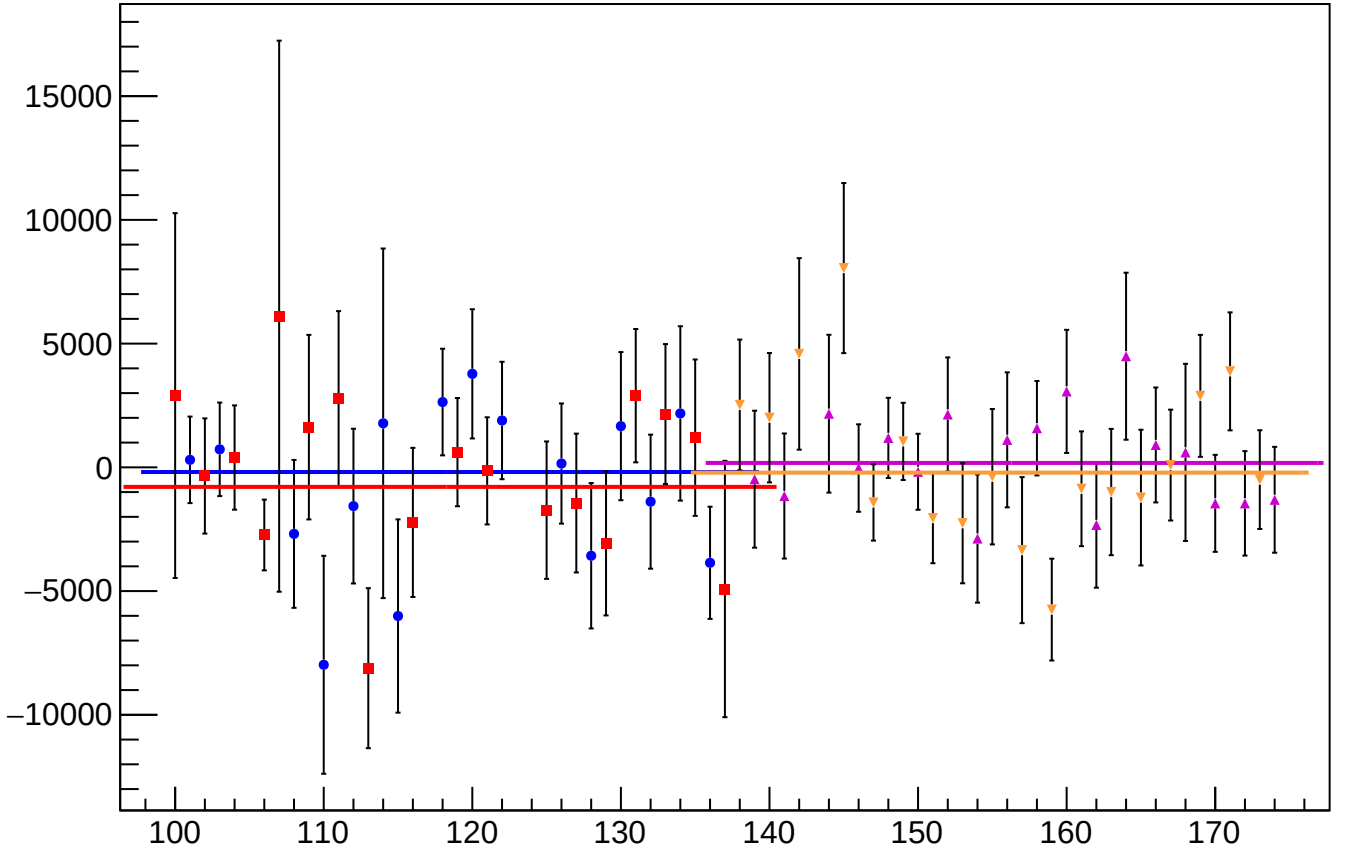
Right: 2321.844+/-0.437 χ^2/NDF: 663951.9/33

In: 2224.976+/-0.337 χ^2/NDF:543230.8/33

Out: 2230.690+/-0.341 χ^2/NDF:189460.1/35

All: 2227.793+/-0.240 χ^2/NDF: 732833.0/69

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -188.660+/-658.334 χ^2/NDF: 16.4/15

Left Out: -212.480+/-535.152 χ^2/NDF:25.4/17

Right Out: -789.317+/-634.900 χ^2/NDF: 14.9/17

Left In: 178.498+/-524.889 χ^2/NDF:9.8/17

Left: -13.206+/-374.728 χ^2/NDF: 35.4/35

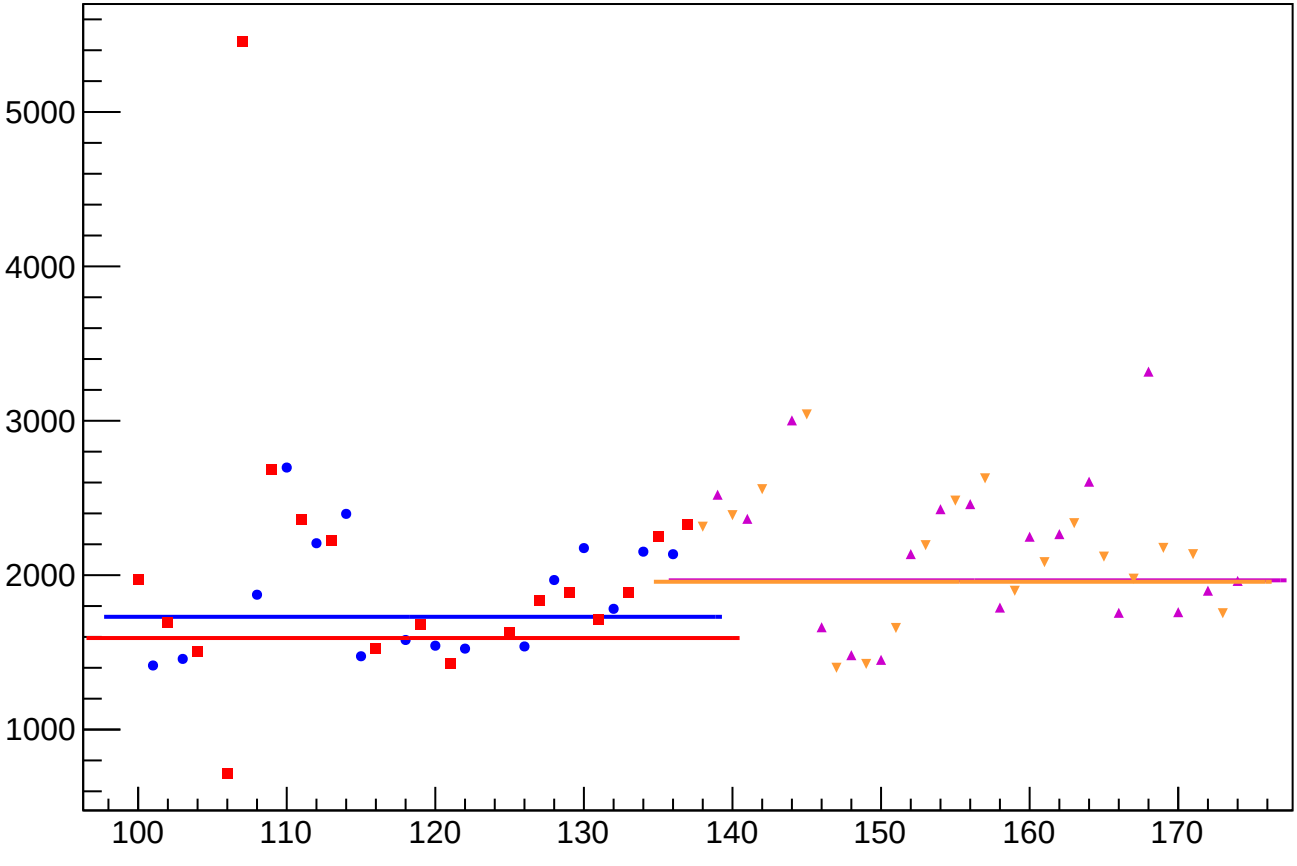
Right: -499.869+/-457.002 χ^2/NDF: 31.8/33

In: 35.807+/-410.410 χ^2/NDF:26.4/33

Out: -452.077+/-409.185 χ^2/NDF:40.7/35

All: -208.864+/-289.769 χ^2/NDF: 67.9/69

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: 1957.355+/-0.378 χ^2/NDF:1188762.1/17

Right Out: 1592.824+/-0.449 χ^2/NDF: 1556204.8/17

Left In: 1966.574+/-0.371 χ^2/NDF:1412567.9/17

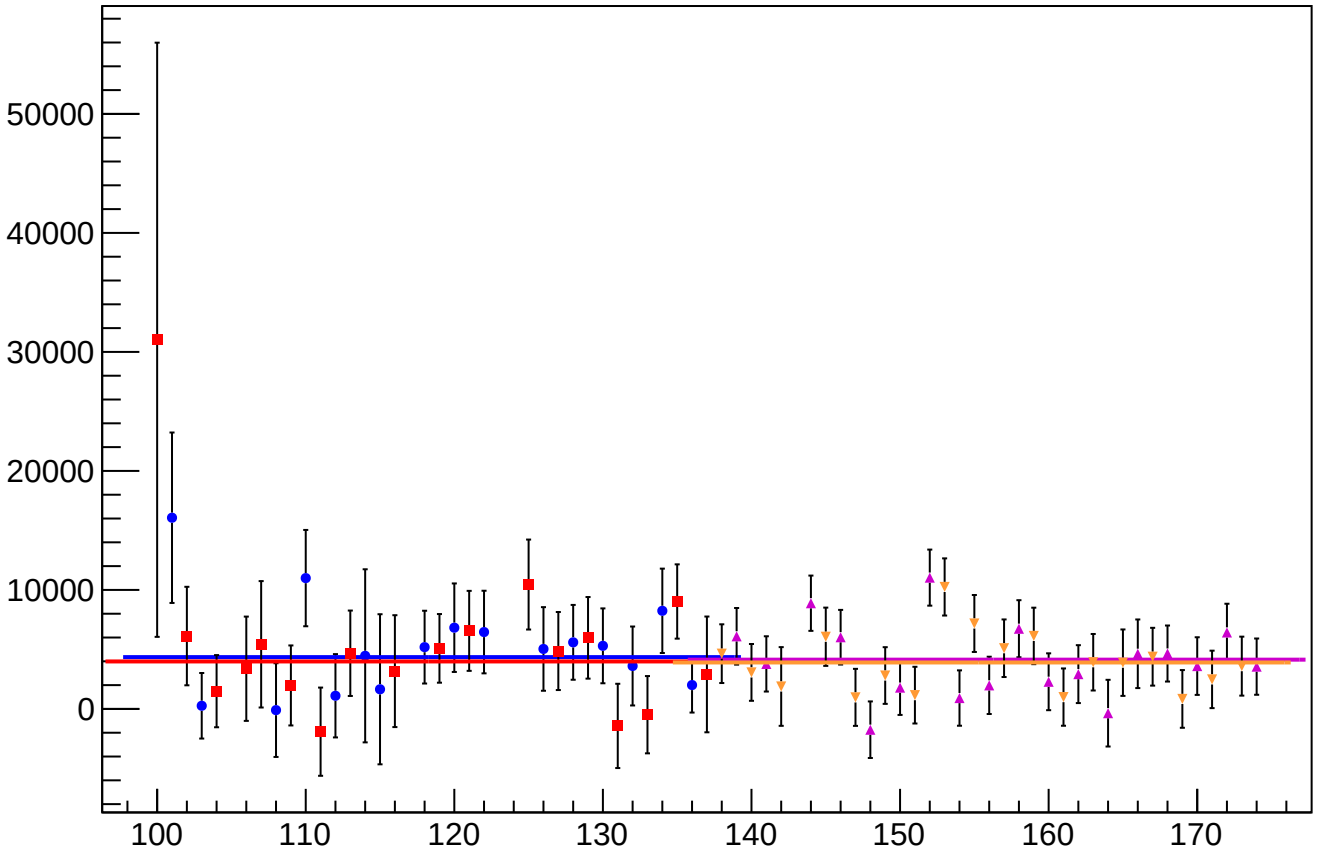
Left: 1962.054+/-0.265 χ^2/NDF: 2601632.5/35

Right: 1659.066+/-0.323 χ^2/NDF: 2080315.9/33

In: 1874.745+/-0.290 χ^2/NDF:2049012.3/33

Out: 1805.942+/-0.289 χ^2/NDF:3130422.2/35

All: 1840.241+/-0.205 χ^2/NDF: 5207622.9/69



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3904.233+/-579.913 χ^2/NDF:17.8/17

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4139.865+/-567.141 χ^2/NDF:29.7/17

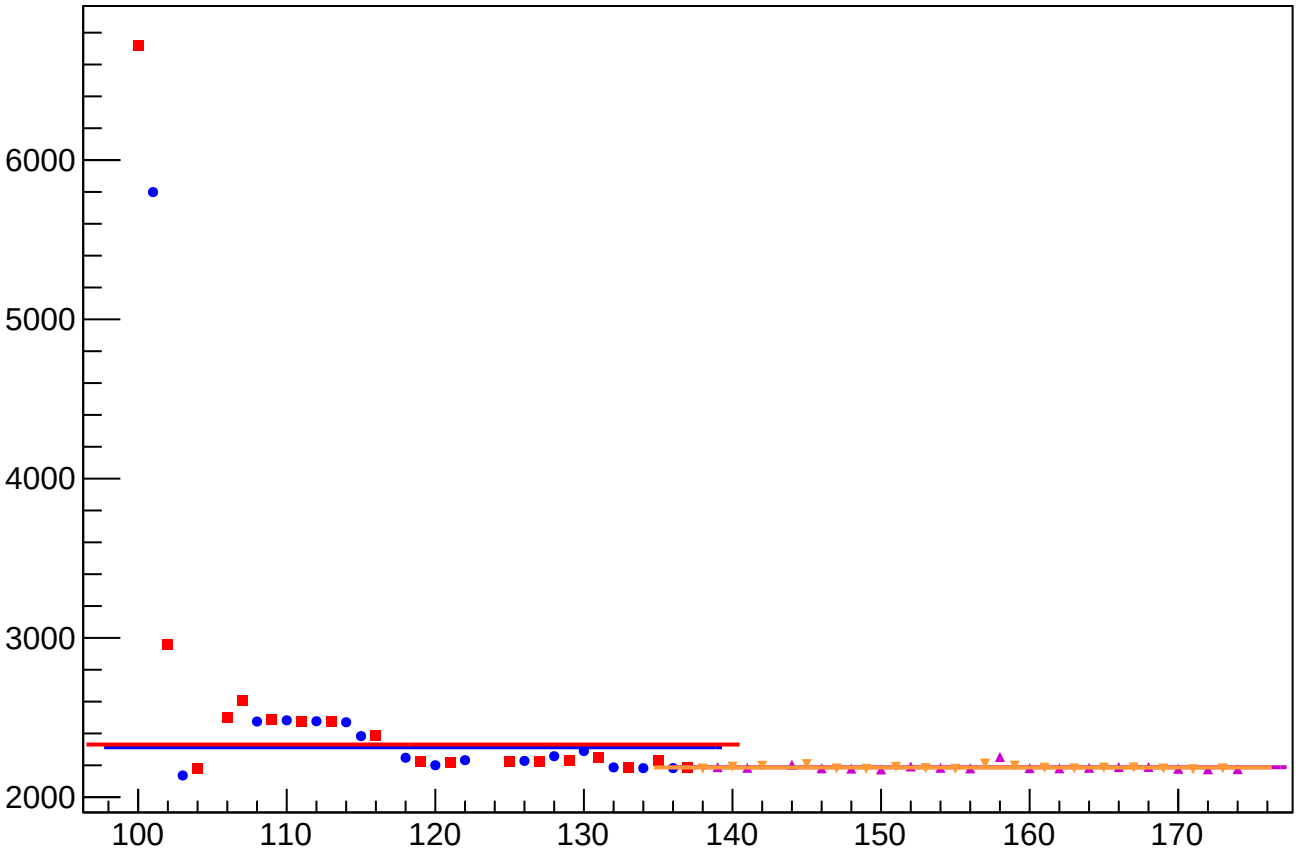
Left: 4024.673+/-405.470 χ^2/NDF: 47.6/35

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4203.100+/-475.940 χ^2/NDF:43.1/33

Out: 3930.521+/-482.787 χ^2/NDF:34.0/35

All: 4068.757+/-338.935 χ^2/NDF: 77.2/69



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.609+/-0.410 χ^2/NDF:606.0/17

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

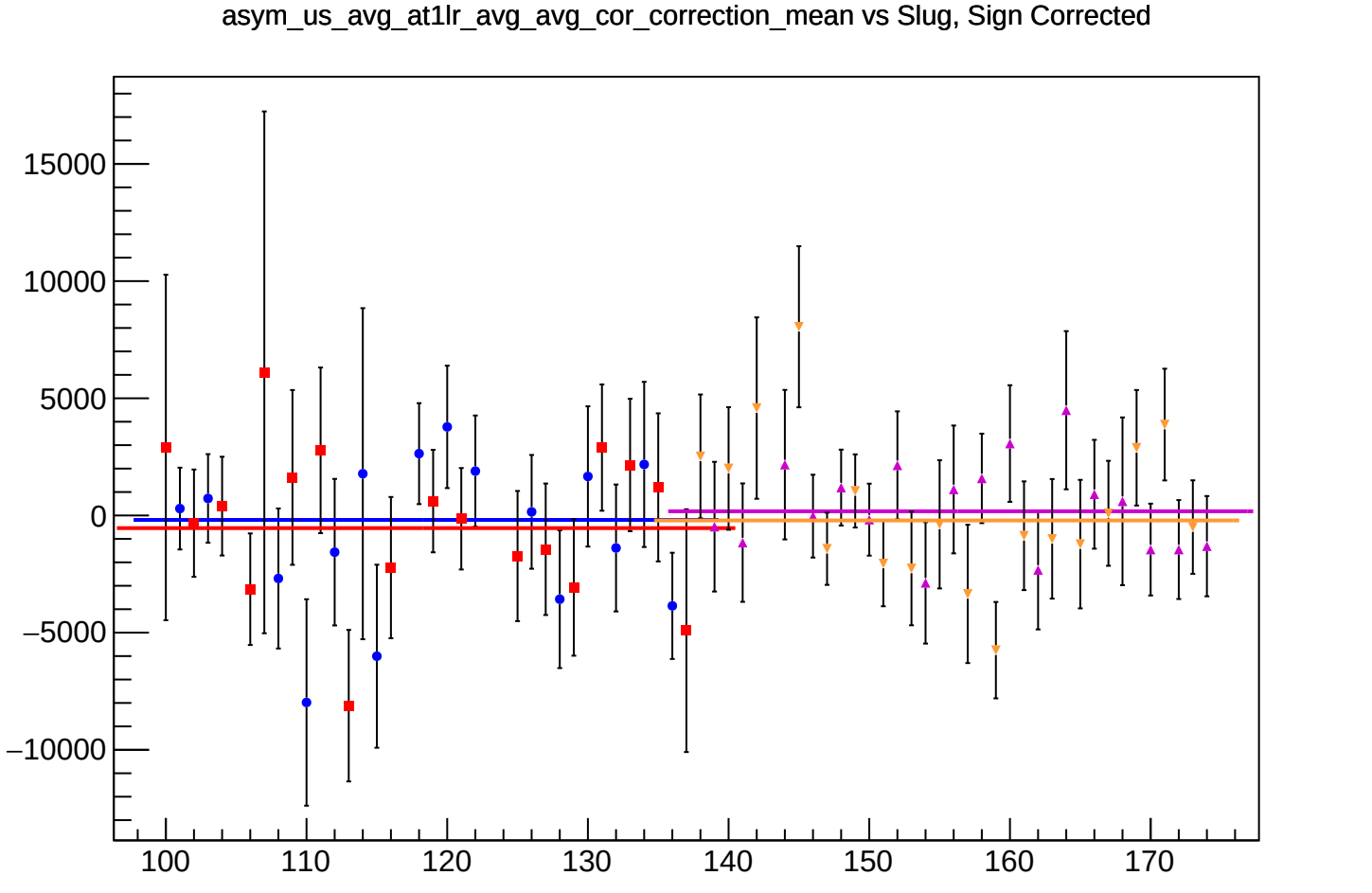
Left: 2187.236+/-0.287 χ^2/NDF: 2469.1/35

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

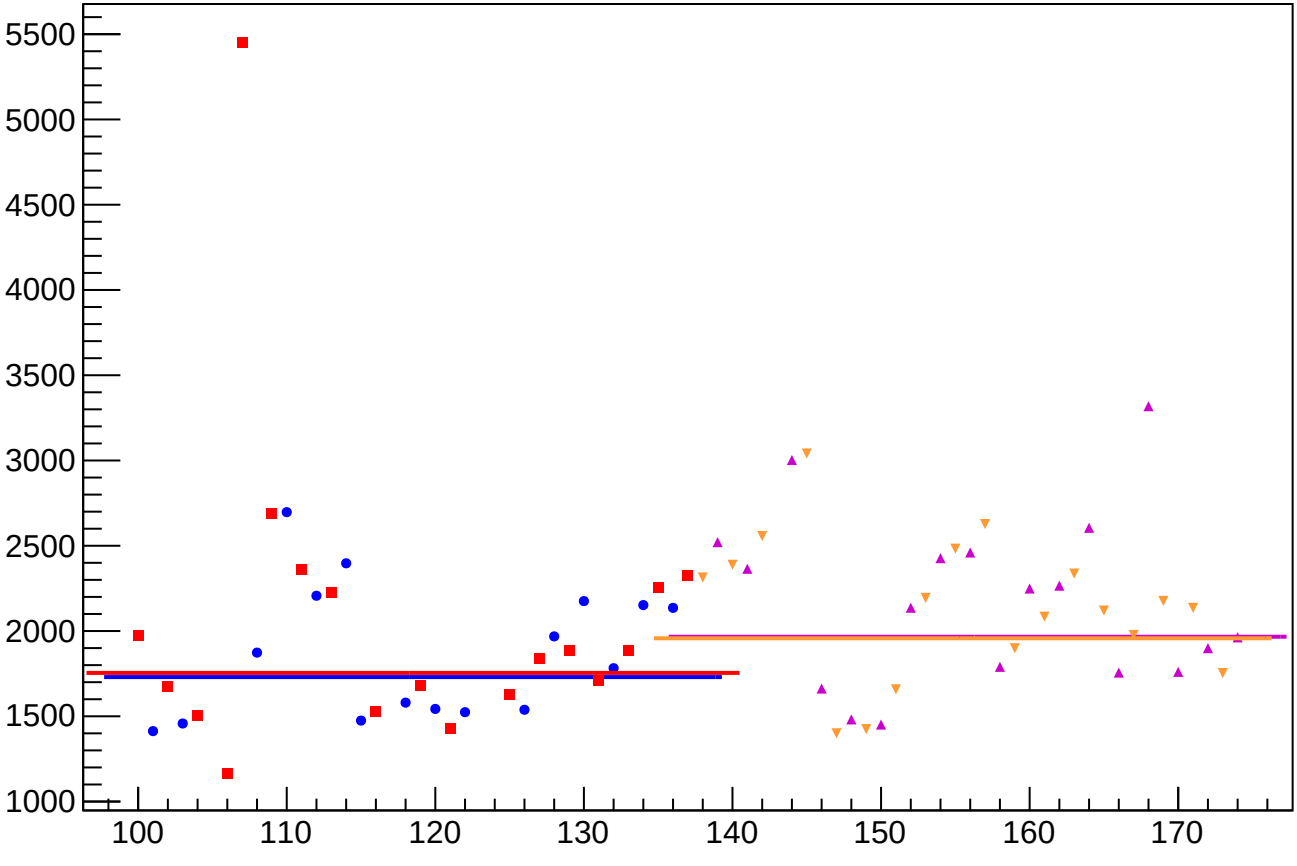
In: 2224.976+/-0.337 χ^2/NDF:543231.2/33

Out: 2230.793+/-0.341 χ^2/NDF:189991.1/35

All: 2227.843+/-0.240 χ^2/NDF: 733369.5/69


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -212.579+/-535.150 χ²/NDF:25.4/17
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 178.605+/-524.890 χ²/NDF:9.8/17
Left: -13.201+/-374.728 χ²/NDF: 35.4/35
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 35.409+/-410.379 χ²/NDF:26.4/33
Out: -338.028+/-420.115 χ²/NDF:39.4/35
All: -146.932+/-293.564 χ²/NDF: 66.2/69

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1729.898+/-0.465 χ^2/NDF: 479898.2/15

Left Out: 1957.350+/-0.378 χ^2/NDF:1188802.0/17

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

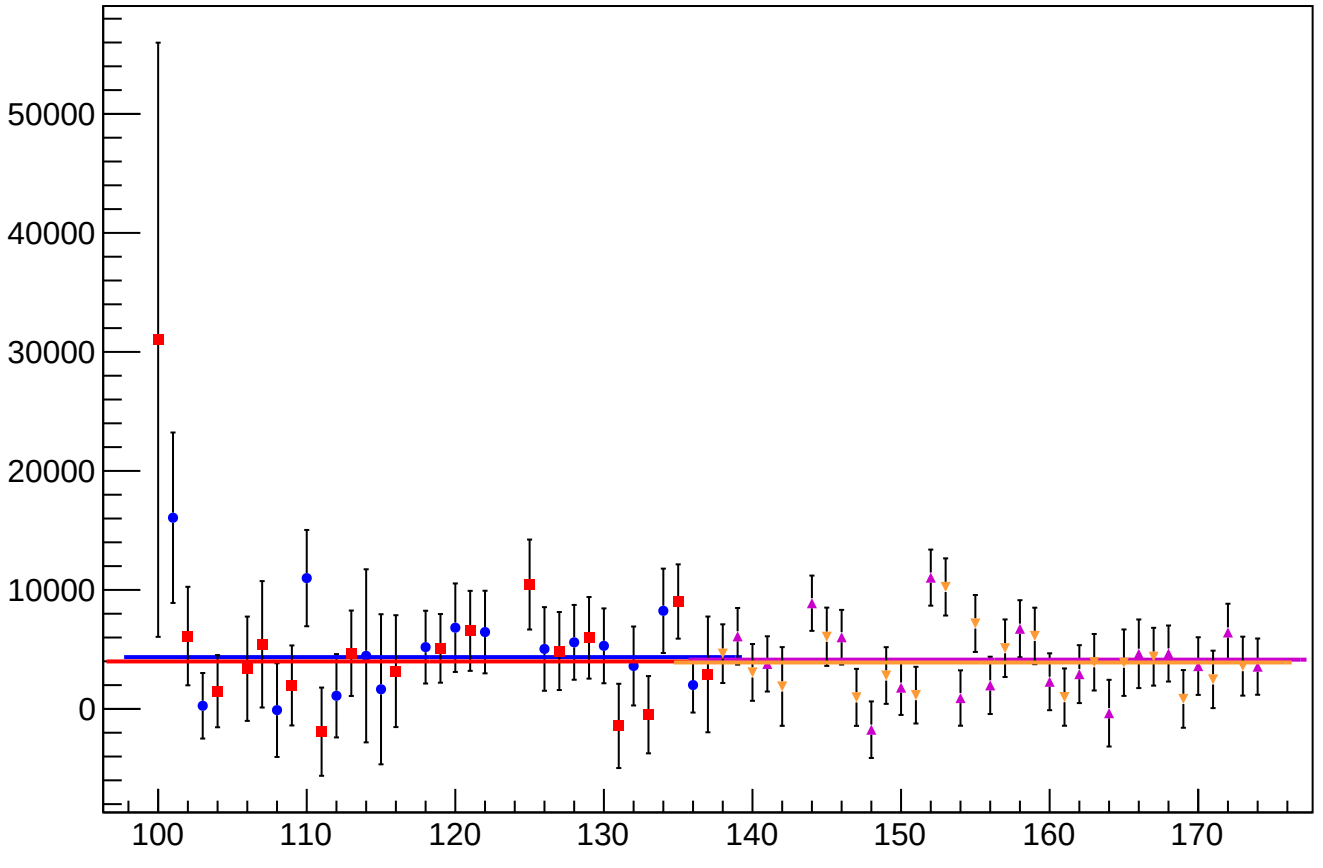
Left: 1962.054+/-0.265 χ^2/NDF: 2601696.0/35

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1874.575+/-0.290 χ^2/NDF:2050566.7/33

Out: 1879.524+/-0.297 χ^2/NDF:2050046.2/35

All: 1876.992+/-0.208 χ^2/NDF: 4100754.9/69



Right In: 4353.670+/-875.155 χ^2/NDF: 13.4/15

Left Out: 3904.233+/-579.913 χ^2/NDF:17.8/17

Right Out: 3989.884+/-871.455 χ^2/NDF: 16.1/17

Left In: 4139.865+/-567.141 χ^2/NDF:29.7/17

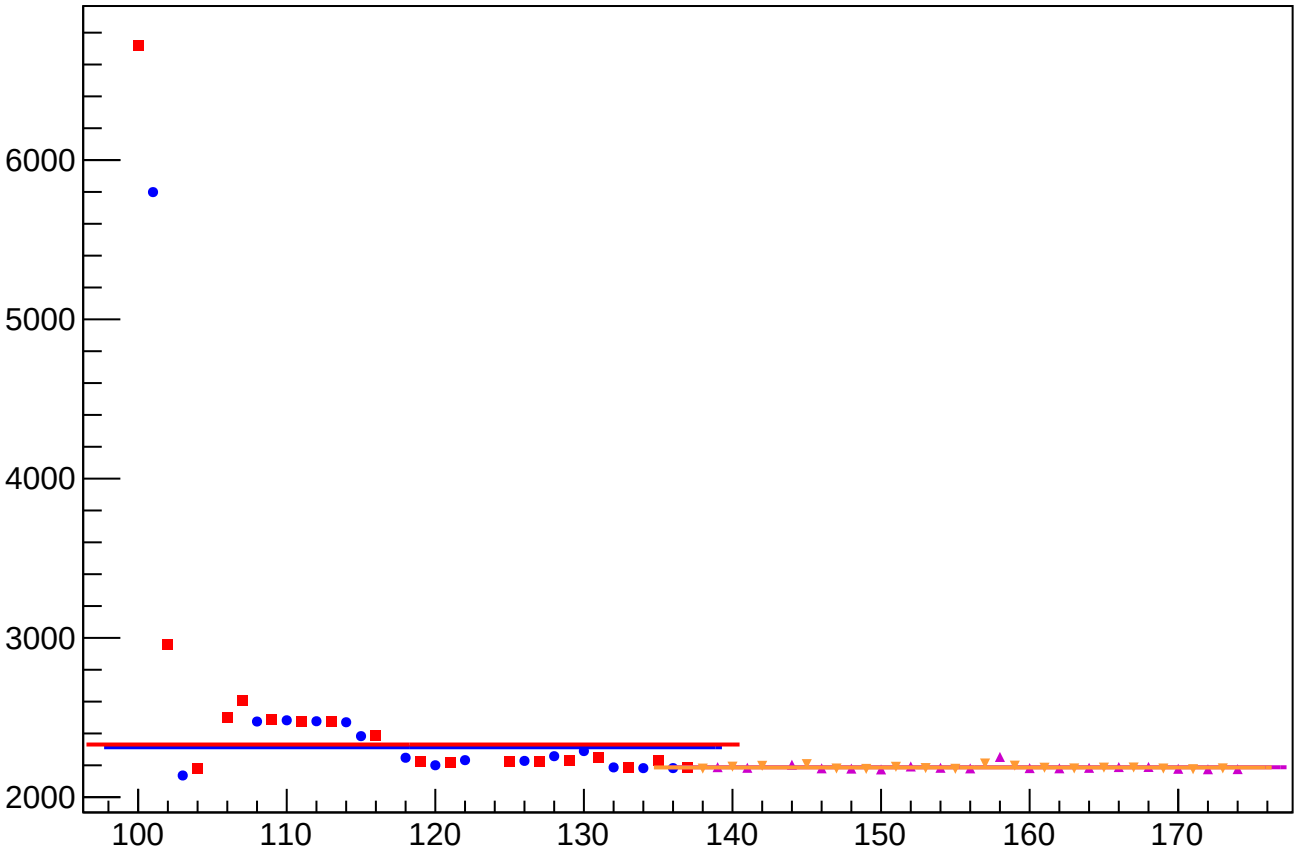
Left: 4024.673+/-405.470 χ^2/NDF: 47.6/35

Right: 4171.006+/-617.516 χ^2/NDF: 29.6/33

In: 4203.100+/-475.940 χ^2/NDF:43.1/33

Out: 3930.521+/-482.787 χ^2/NDF:34.0/35

All: 4068.757+/-338.935 χ^2/NDF: 77.2/69



Right In: 2313.413+/-0.619 χ^2/NDF: 512372.3/15

Left Out: 2186.609+/-0.410 χ^2/NDF:606.0/17

Right Out: 2330.570+/-0.616 χ^2/NDF: 151556.6/17

Left In: 2187.836+/-0.401 χ^2/NDF:1858.5/17

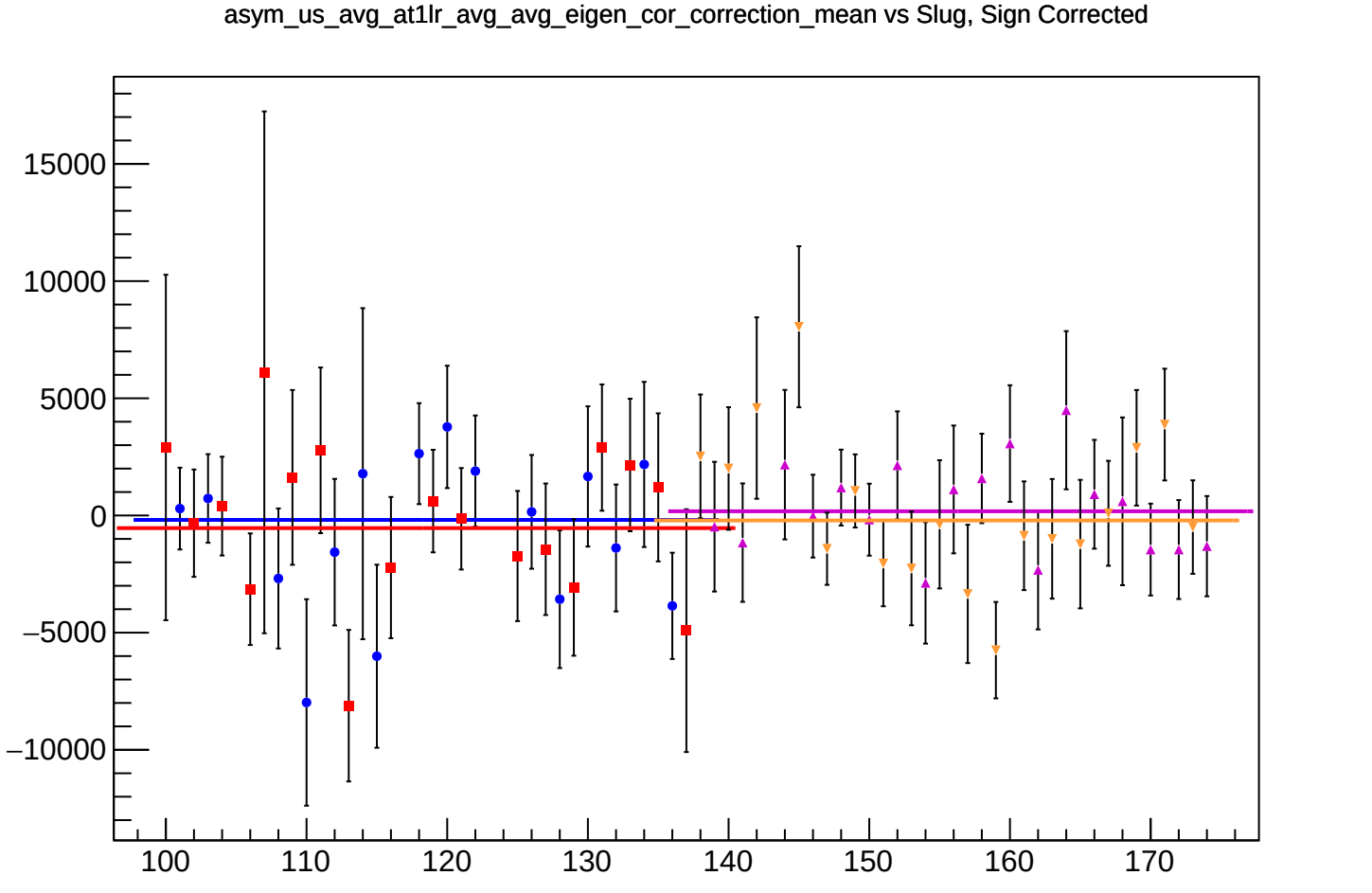
Left: 2187.236+/-0.287 χ^2/NDF: 2469.1/35

Right: 2322.028+/-0.437 χ^2/NDF: 664314.8/33

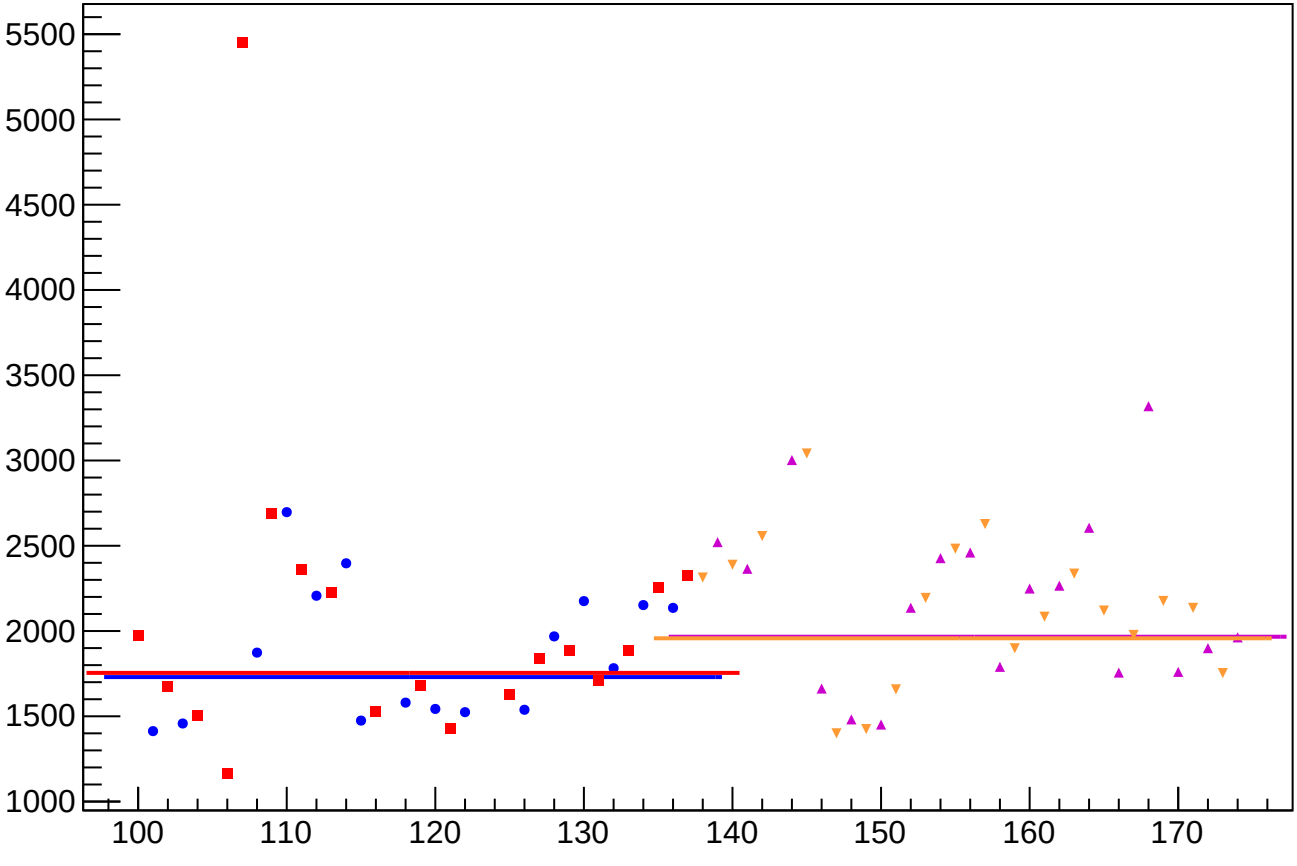
In: 2224.976+/-0.337 χ^2/NDF:543231.2/33

Out: 2230.793+/-0.341 χ^2/NDF:189991.1/35

All: 2227.843+/-0.240 χ^2/NDF: 733369.5/69


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -189.762+/-658.205 χ²/NDF: 16.4/15
Left Out: -212.579+/-535.150 χ²/NDF:25.4/17
Right Out: -539.517+/-678.214 χ²/NDF: 13.9/17
Left In: 178.605+/-524.890 χ²/NDF:9.8/17
Left: -13.201+/-374.728 χ²/NDF: 35.4/35
Right: -359.404+/-472.337 χ²/NDF: 30.5/33
In: 35.409+/-410.379 χ²/NDF:26.4/33
Out: -338.028+/-420.115 χ²/NDF:39.4/35
All: -146.932+/-293.564 χ²/NDF: 66.2/69

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: 1957.350+/-0.378 χ^2/NDF:1188802.0/17

Right Out: 1754.526+/-0.480 χ^2/NDF: 751010.0/17

Left In: 1966.580+/-0.371 χ^2/NDF:1412590.7/17

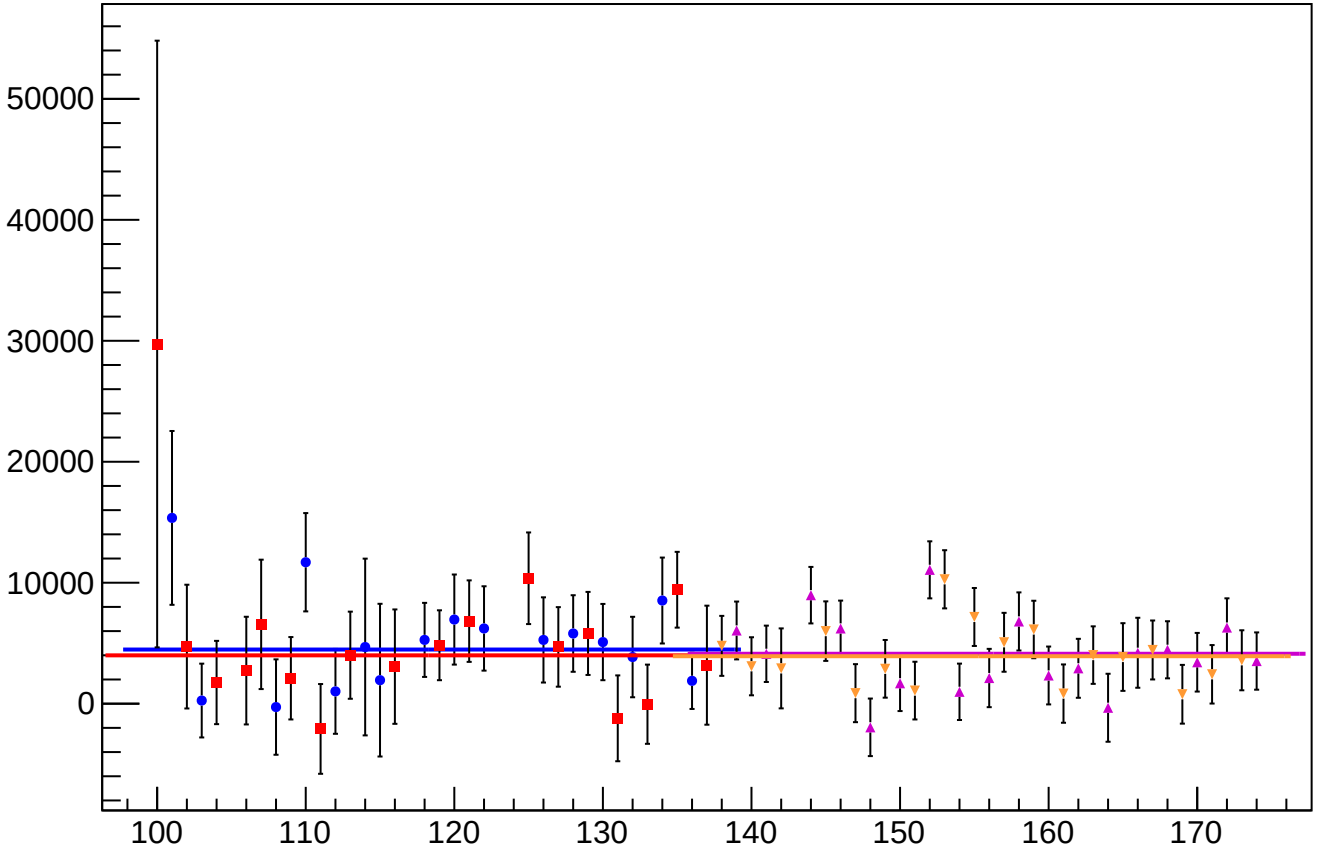
Left: 1962.054+/-0.265 χ^2/NDF: 2601696.0/35

Right: 1741.844+/-0.334 χ^2/NDF: 1232266.3/33

In: 1874.575+/-0.290 χ^2/NDF:2050566.7/33

Out: 1879.524+/-0.297 χ^2/NDF:2050046.2/35

All: 1876.992+/-0.208 χ^2/NDF: 4100754.9/69



Right In: 4476.431+/-886.087 χ^2/NDF: 13.5/15

Left Out: 3924.173+/-581.263 χ^2/NDF:18.0/17

Right Out: 3995.807+/-890.441 χ^2/NDF: 15.5/17

Left In: 4127.236+/-568.391 χ^2/NDF:30.1/17

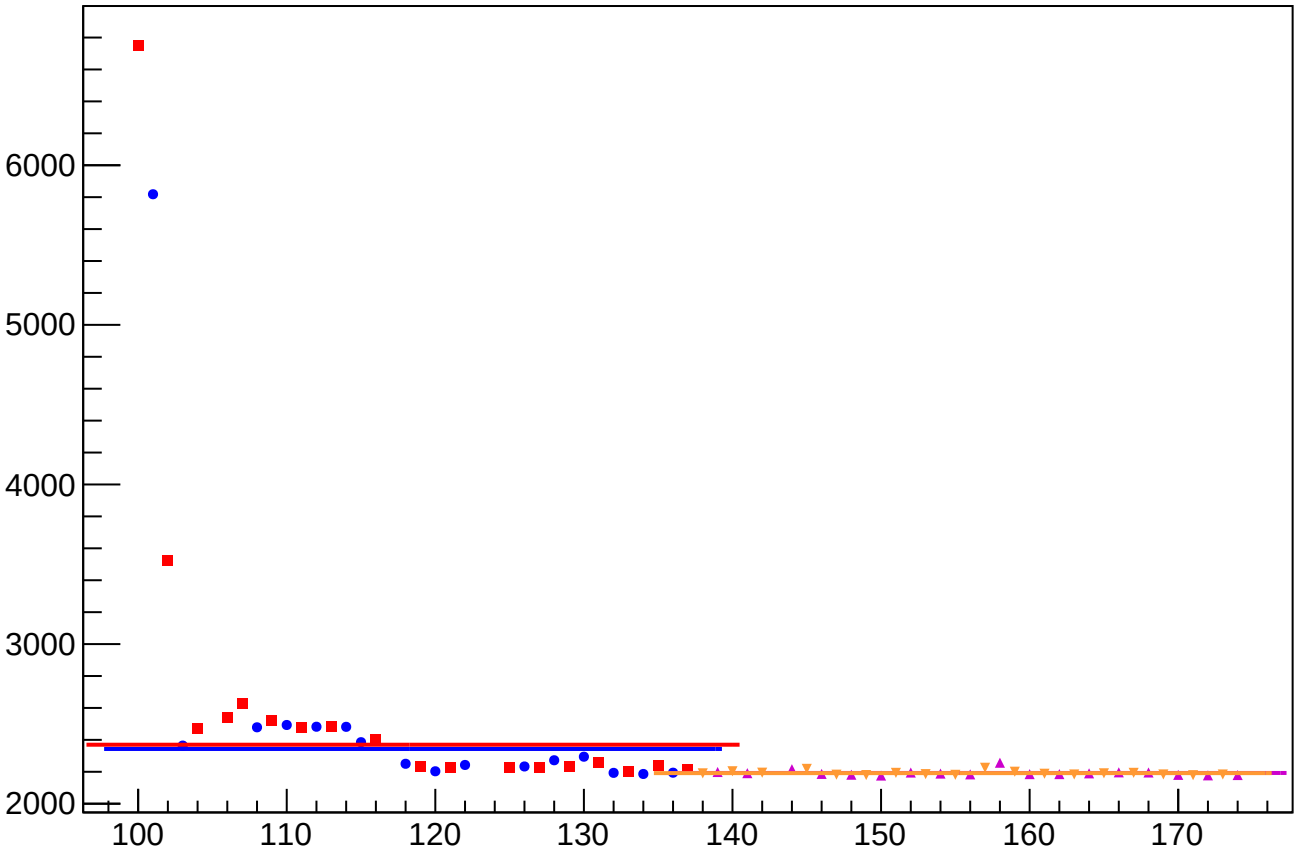
Left: 4027.978+/-406.388 χ^2/NDF: 48.2/35

Right: 4237.297+/-628.092 χ^2/NDF: 29.2/33

In: 4229.033+/-478.422 χ^2/NDF:43.8/33

Out: 3945.577+/-486.737 χ^2/NDF:33.4/35

All: 4089.747+/-341.197 χ^2/NDF: 77.4/69



Right In: 2342.914+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.606+/-0.411 χ^2/NDF:964.3/17

Right Out: 2369.572+/-0.630 χ^2/NDF: 210147.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

Left: 2192.114+/-0.287 χ^2/NDF: 3026.2/35

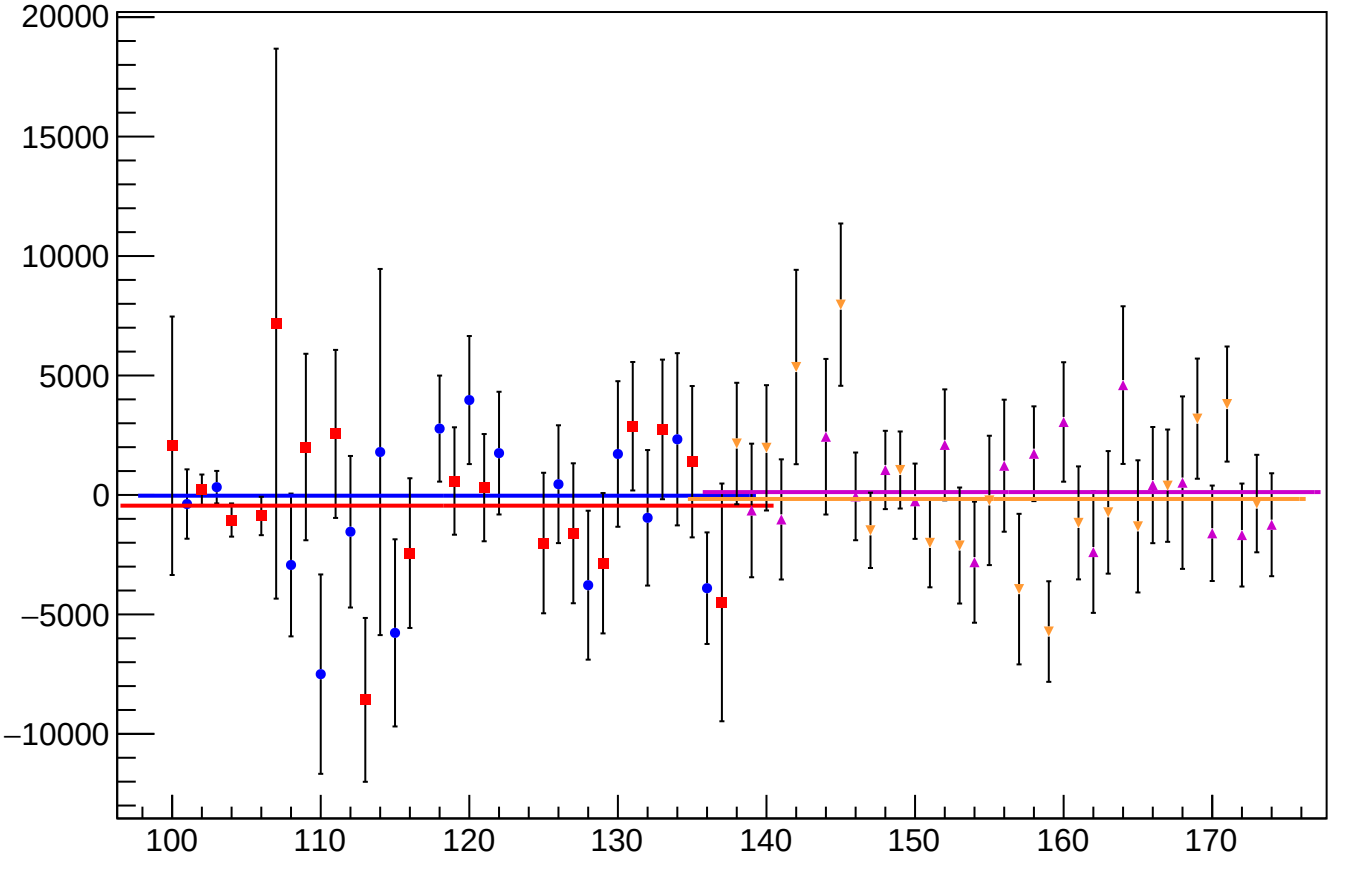
Right: 2356.178+/-0.444 χ^2/NDF: 713914.5/33

In: 2236.419+/-0.338 χ^2/NDF:545701.6/33

Out: 2244.782+/-0.344 χ^2/NDF:267131.6/35

All: 2240.529+/-0.241 χ^2/NDF: 813133.6/69

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -31.393+/-485.329 χ^2/NDF: 16.3/15

Left Out: -168.015+/-544.813 χ^2/NDF:25.3/17

Right Out: -448.261+/-362.570 χ^2/NDF: 15.1/17

Left In: 119.648+/-533.599 χ^2/NDF:10.1/17

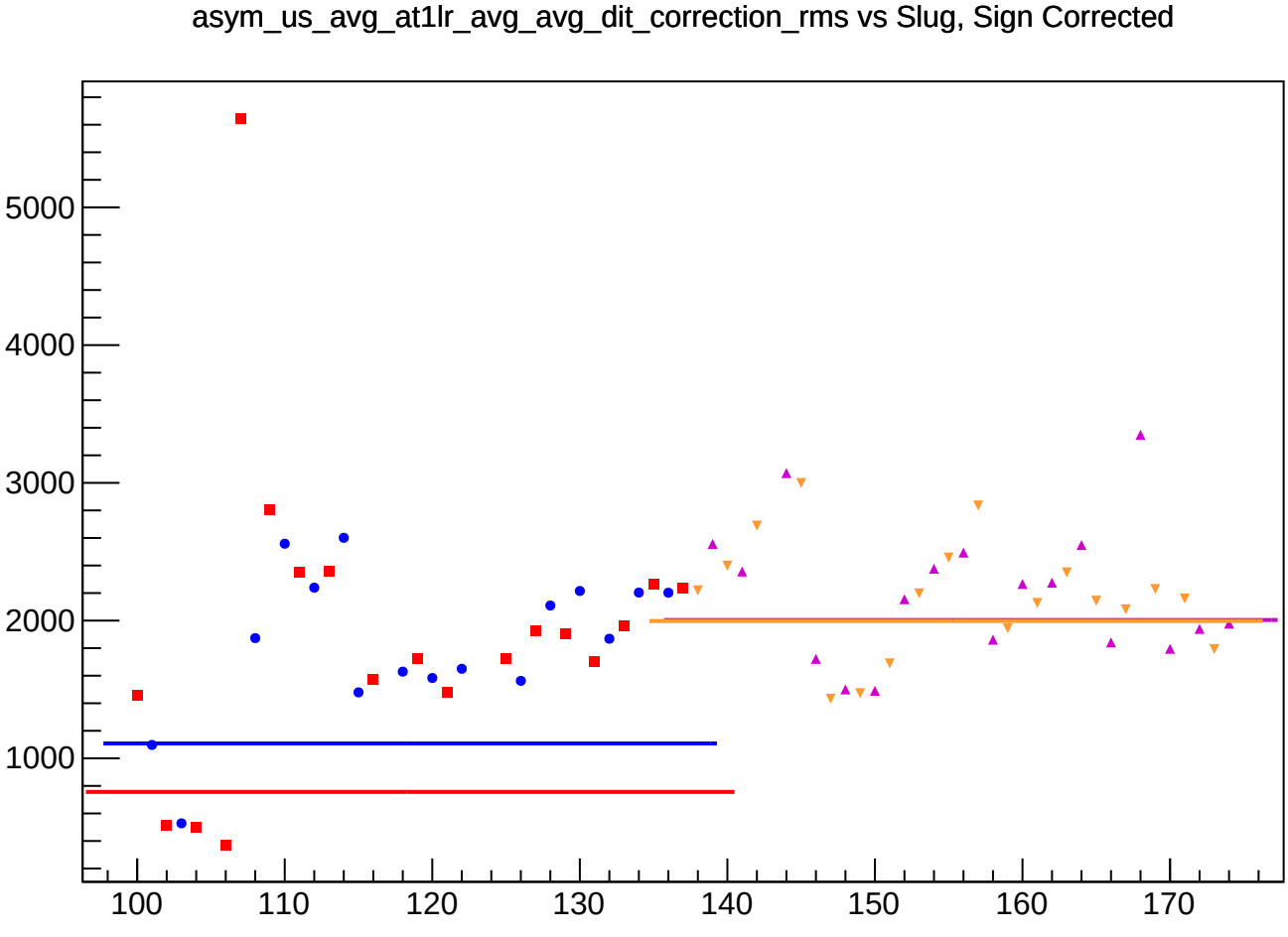
Left: -21.192+/-381.214 χ^2/NDF: 35.6/35

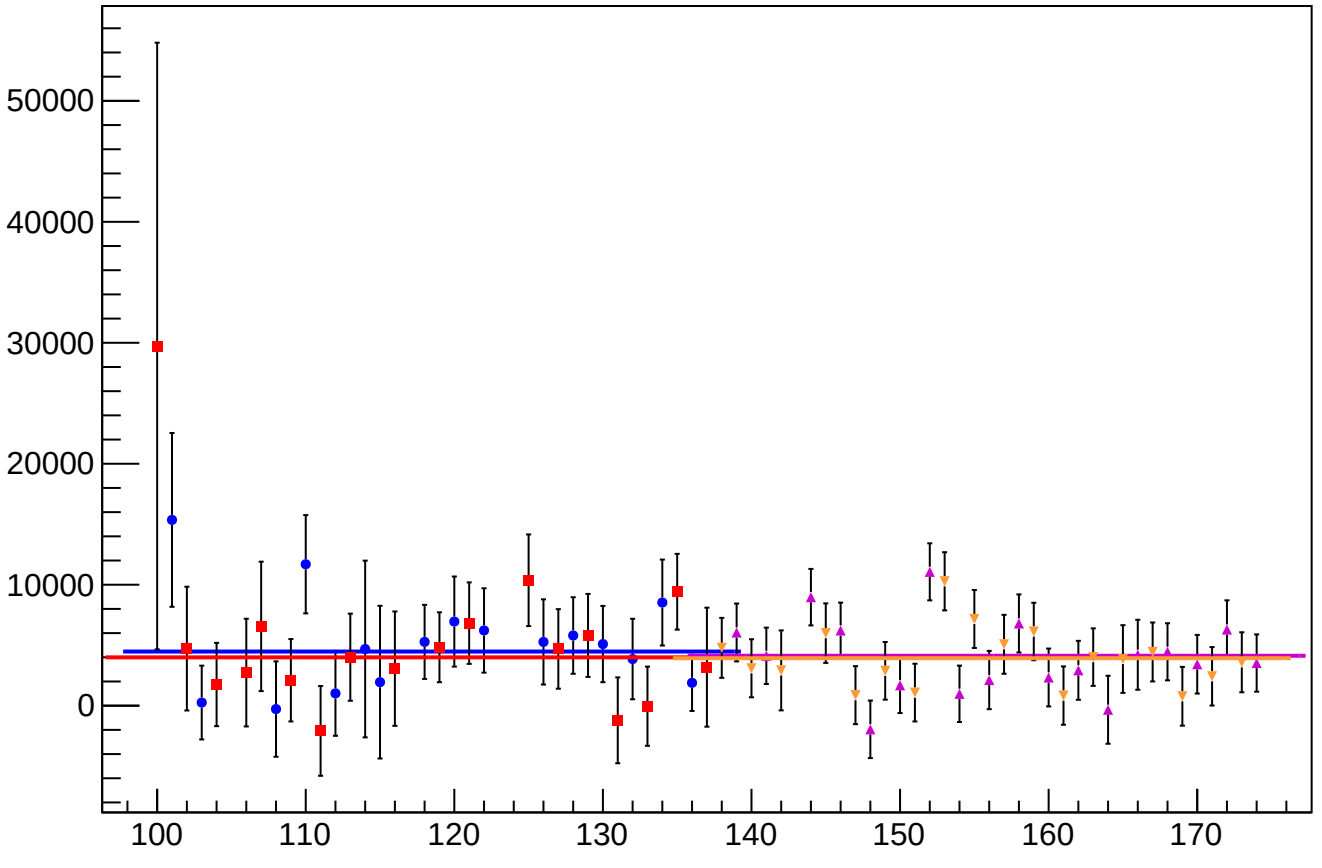
Right: -298.942+/-290.465 χ^2/NDF: 31.9/33

In: 36.988+/-359.034 χ^2/NDF:26.5/33

Out: -362.241+/-301.840 χ^2/NDF:40.6/35

All: -196.920+/-231.041 χ^2/NDF: 67.8/69


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
5000
4000
3000
2000
1000
100
110
120
130
140
150
160
170
Right In: 1108.139+/-0.343 χ²/NDF: 3746477.0/15
Left Out: 1997.282+/-0.385 χ²/NDF:1128948.4/17
Right Out: 756.419+/-0.256 χ²/NDF: 5603215.5/17
Left In: 2004.425+/-0.377 χ²/NDF:1315028.7/17
Left: 2000.927+/-0.270 χ²/NDF: 2444152.5/35
Right: 882.403+/-0.205 χ²/NDF: 10023844.2/33
In: 1513.917+/-0.254 χ²/NDF:8149615.2/33
Out: 1137.294+/-0.213 χ²/NDF:13922541.1/35
All: 1293.253+/-0.163 χ²/NDF: 23361583.0/6



Right In: 4476.427+/-886.086 χ^2/NDF: 13.5/15

Left Out: 3924.171+/-581.263 χ^2/NDF:18.0/17

Right Out: 3995.803+/-890.441 χ^2/NDF: 15.5/17

Left In: 4127.237+/-568.391 χ^2/NDF:30.1/17

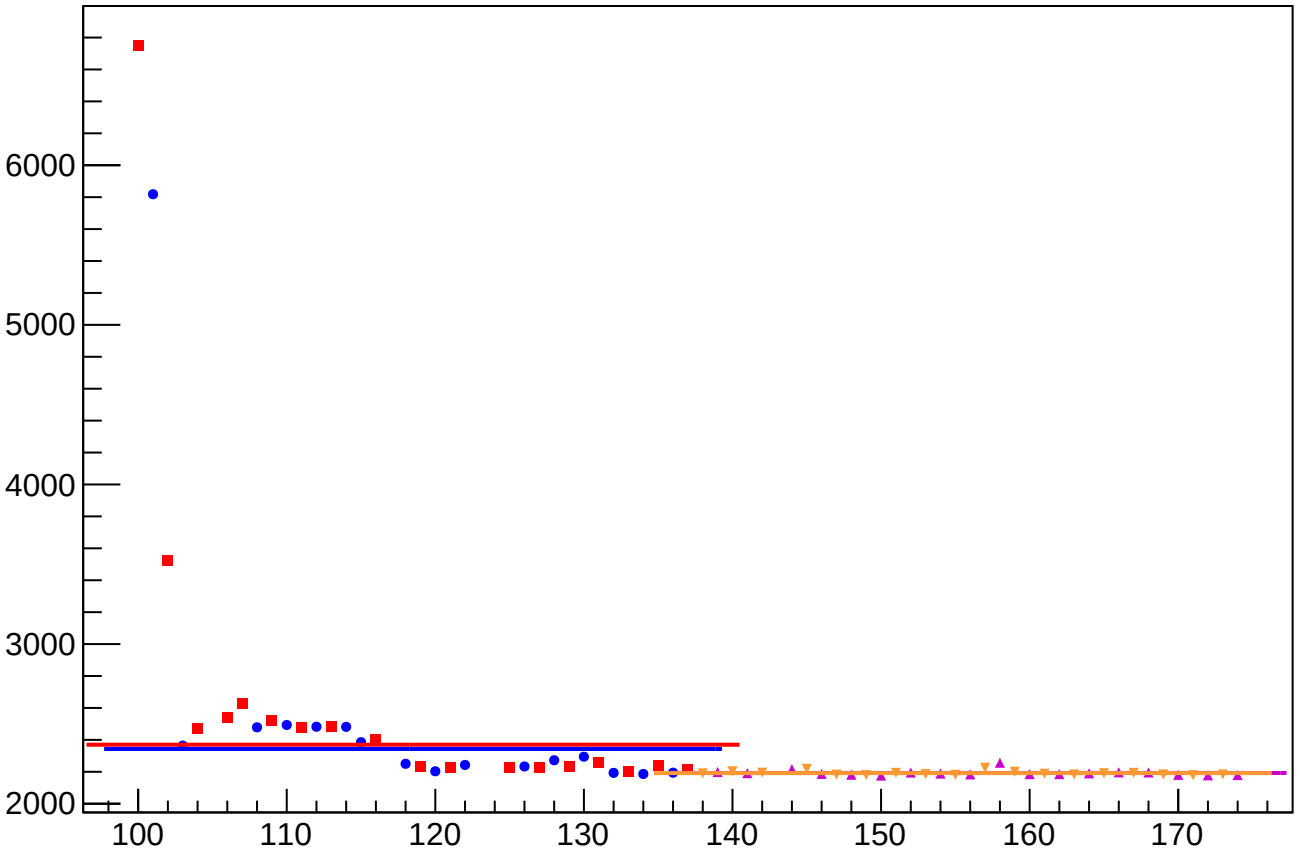
Left: 4027.978+/-406.388 χ^2/NDF: 48.2/35

Right: 4237.293+/-628.092 χ^2/NDF: 29.2/33

In: 4229.033+/-478.421 χ^2/NDF:43.8/33

Out: 3945.575+/-486.737 χ^2/NDF:33.4/35

All: 4089.746+/-341.197 χ^2/NDF: 77.4/69



Right In: 2342.913+/-0.627 χ^2/NDF: 502866.3/15

Left Out: 2191.606+/-0.411 χ^2/NDF:964.3/17

Right Out: 2369.572+/-0.630 χ^2/NDF: 210146.5/17

Left In: 2192.599+/-0.402 χ^2/NDF:2058.9/17

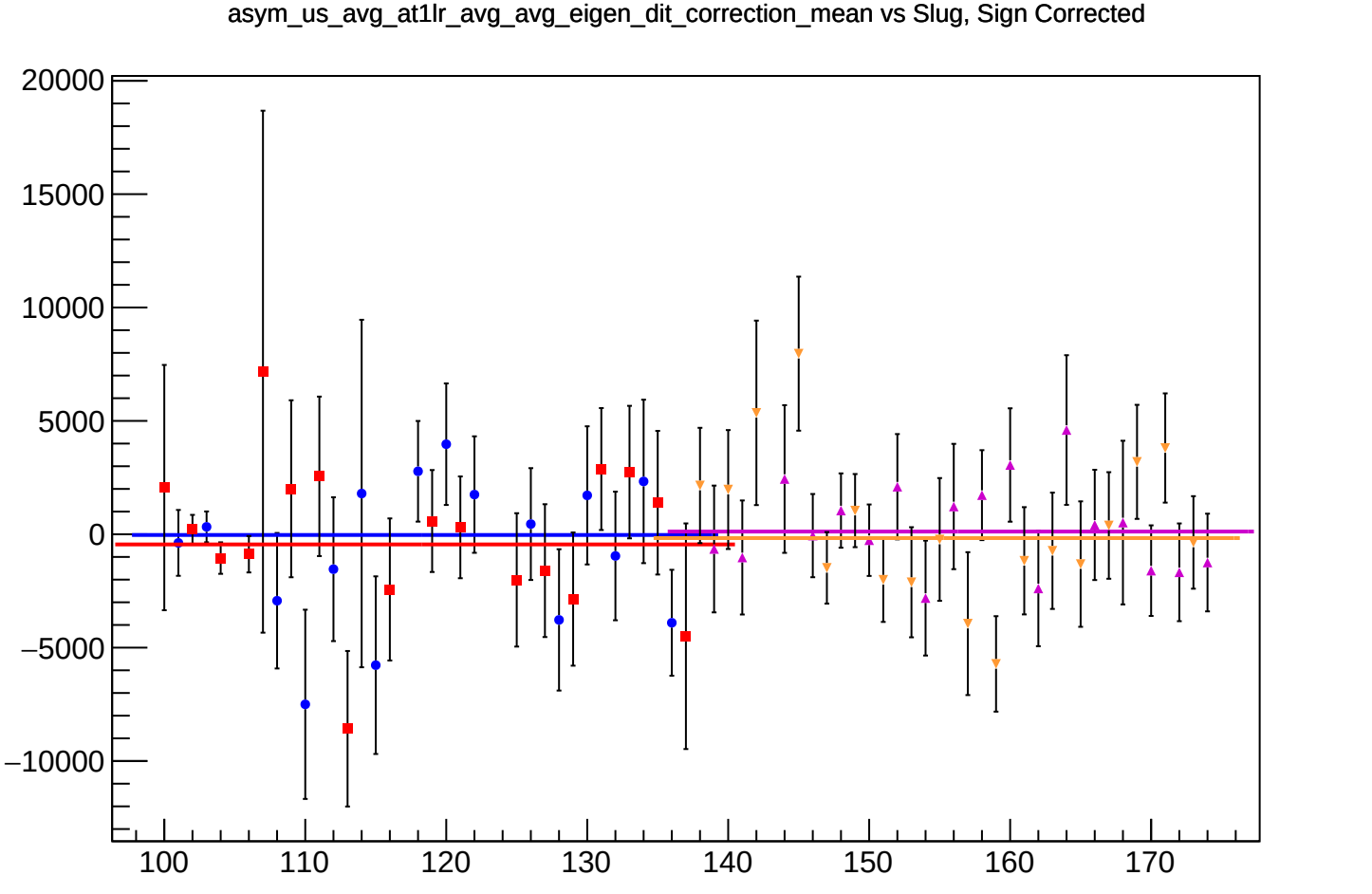
Left: 2192.114+/-0.287 χ^2/NDF: 3026.2/35

Right: 2356.177+/-0.444 χ^2/NDF: 713913.5/33

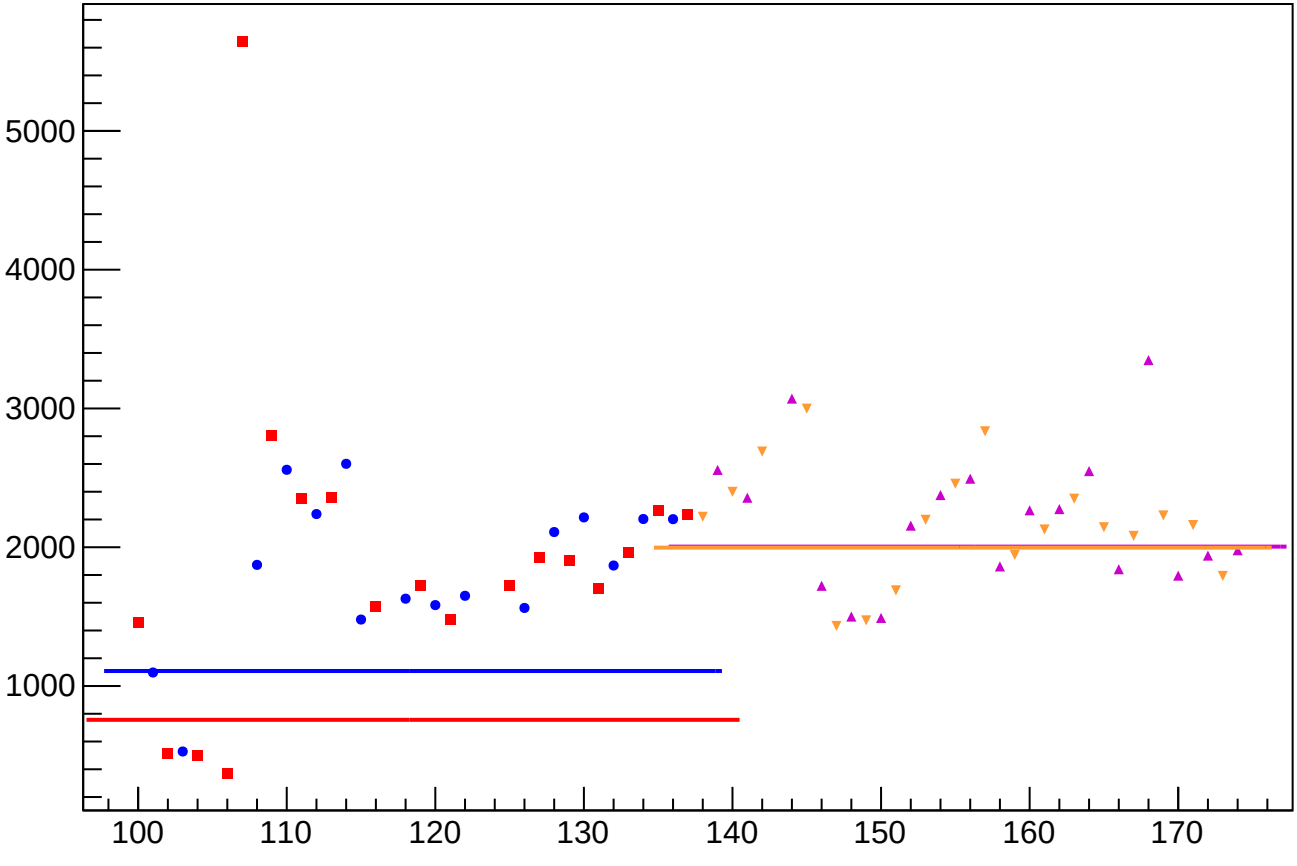
In: 2236.419+/-0.338 χ^2/NDF:545701.4/33

Out: 2244.782+/-0.344 χ^2/NDF:267130.2/35

All: 2240.528+/-0.241 χ^2/NDF: 813131.9/69


asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -31.400+/-485.331 χ²/NDF: 16.3/15
Left Out: -168.019+/-544.814 χ²/NDF:25.3/17
Right Out: -448.265+/-362.575 χ²/NDF: 15.1/17
Left In: 119.649+/-533.600 χ²/NDF:10.1/17
Left: -21.194+/-381.215 χ²/NDF: 35.6/35
Right: -298.945+/-290.468 χ²/NDF: 31.9/33
In: 36.985+/-359.035 χ²/NDF:26.5/33
Out: -362.244+/-301.843 χ²/NDF:40.6/35
All: -196.922+/-231.042 χ²/NDF: 67.8/69

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1108.149+/-0.343 χ^2/NDF: 3746402.0/15

Left Out: 1997.285+/-0.385 χ^2/NDF:1128948.4/17

Right Out: 756.434+/-0.256 χ^2/NDF: 5603097.5/17

Left In: 2004.428+/-0.377 χ^2/NDF:1315027.7/17

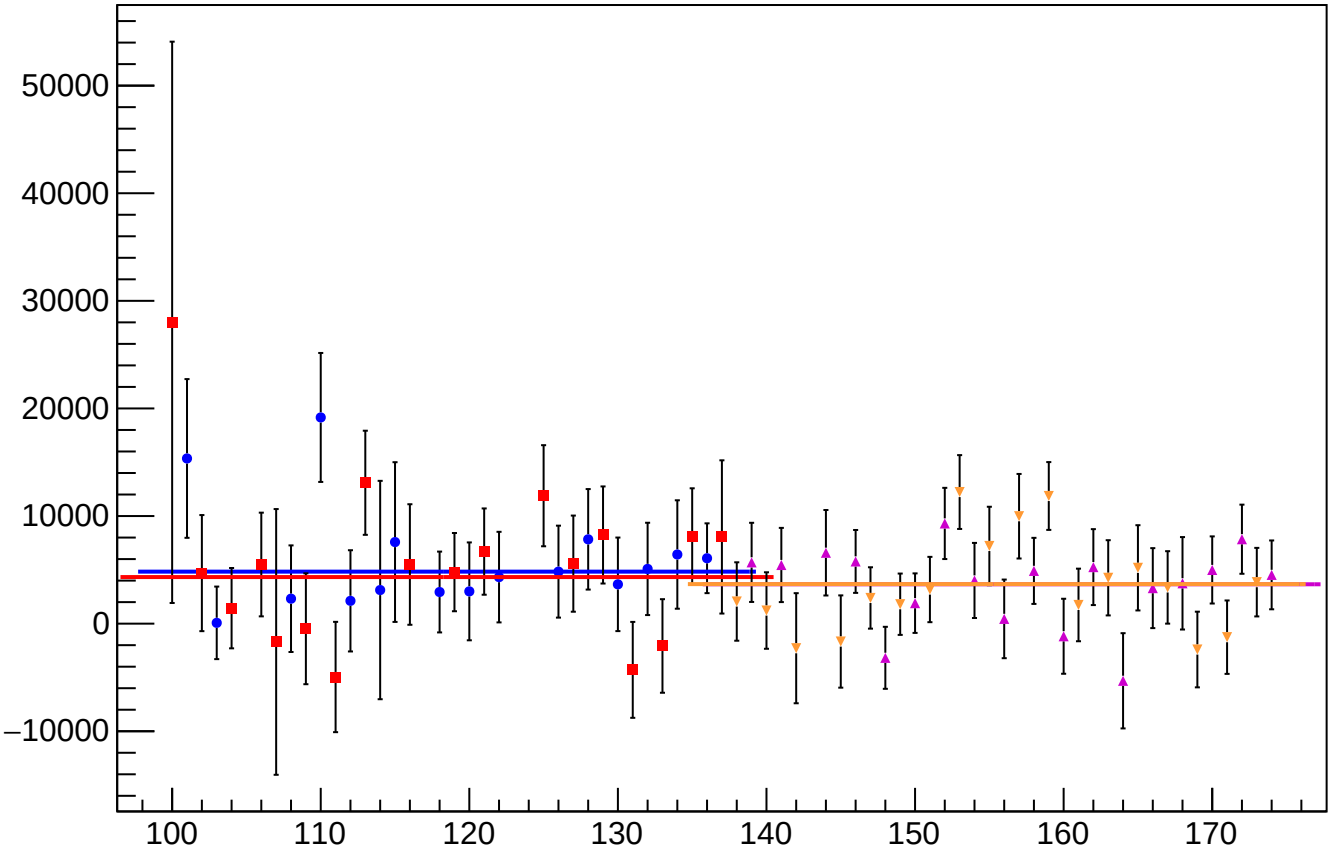
Left: 2000.931+/-0.270 χ^2/NDF: 2444151.6/35

Right: 882.417+/-0.205 χ^2/NDF: 10023620.2/33

In: 1513.926+/-0.254 χ^2/NDF:8149476.3/33

Out: 1137.311+/-0.213 χ^2/NDF:13922214.5/35

All: 1293.268+/-0.163 χ^2/NDF: 23361040.7/6



Right In: 4833.806+/-1142.535 χ^2/NDF: 11.7/15

Left Out: 3674.579+/-812.598 χ^2/NDF:26.3/17

Right Out: 4328.601+/-1144.541 χ^2/NDF: 19.9/17

Left In: 3658.774+/-795.050 χ^2/NDF:19.7/17

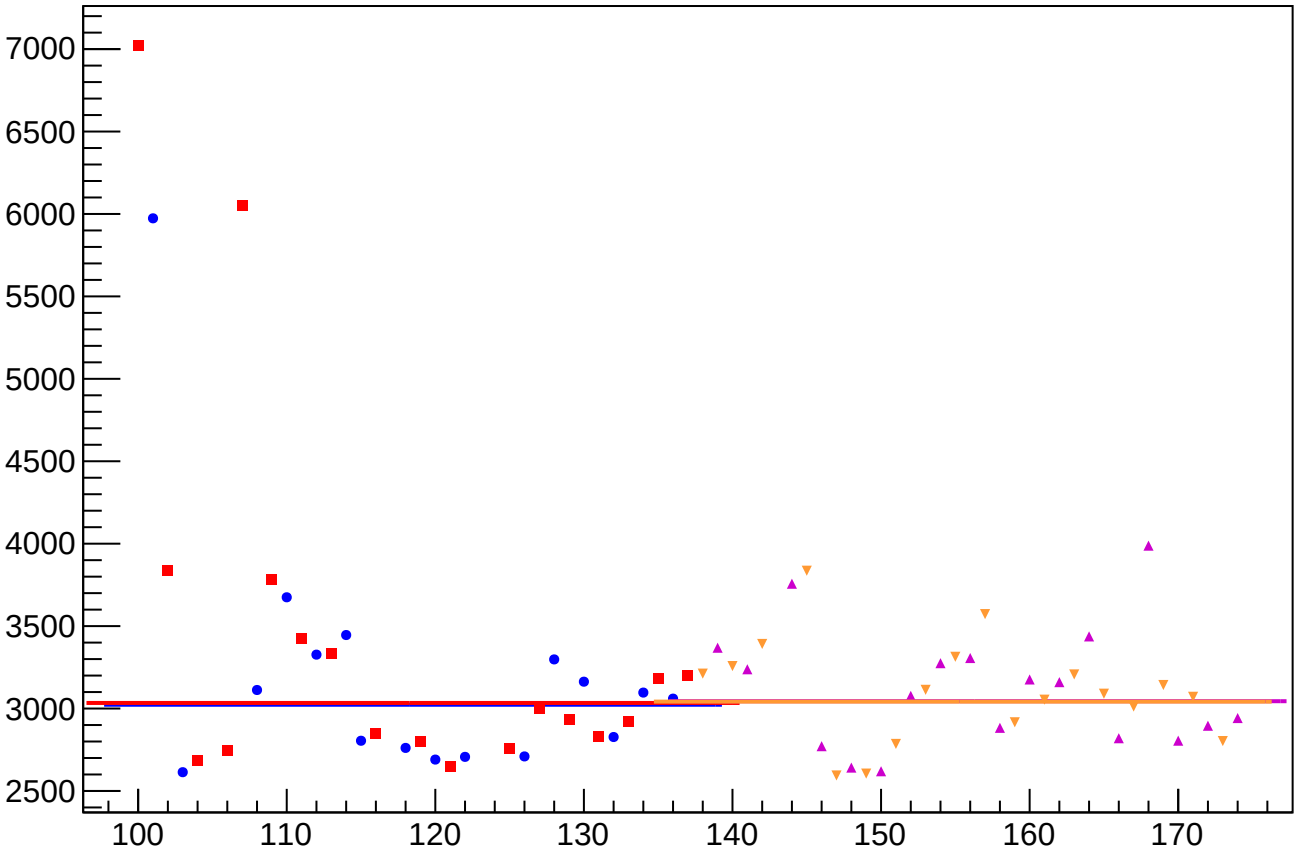
Left: 3666.504+/-568.288 χ^2/NDF: 46.1/35

Right: 4581.647+/-808.603 χ^2/NDF: 31.7/33

In: 4042.127+/-652.596 χ^2/NDF:32.1/33

Out: 3893.765+/-662.586 χ^2/NDF:46.5/35

All: 3969.073+/-464.947 χ^2/NDF: 78.6/69



Right In: 3023.068+/-0.808 χ^2/NDF: 443705.8/15

Left Out: 3042.008+/-0.575 χ^2/NDF:269881.2/17

Right Out: 3033.869+/-0.809 χ^2/NDF: 342674.7/17

Left In: 3044.461+/-0.562 χ^2/NDF:357411.3/17

Left: 3043.261+/-0.402 χ^2/NDF: 627301.8/35

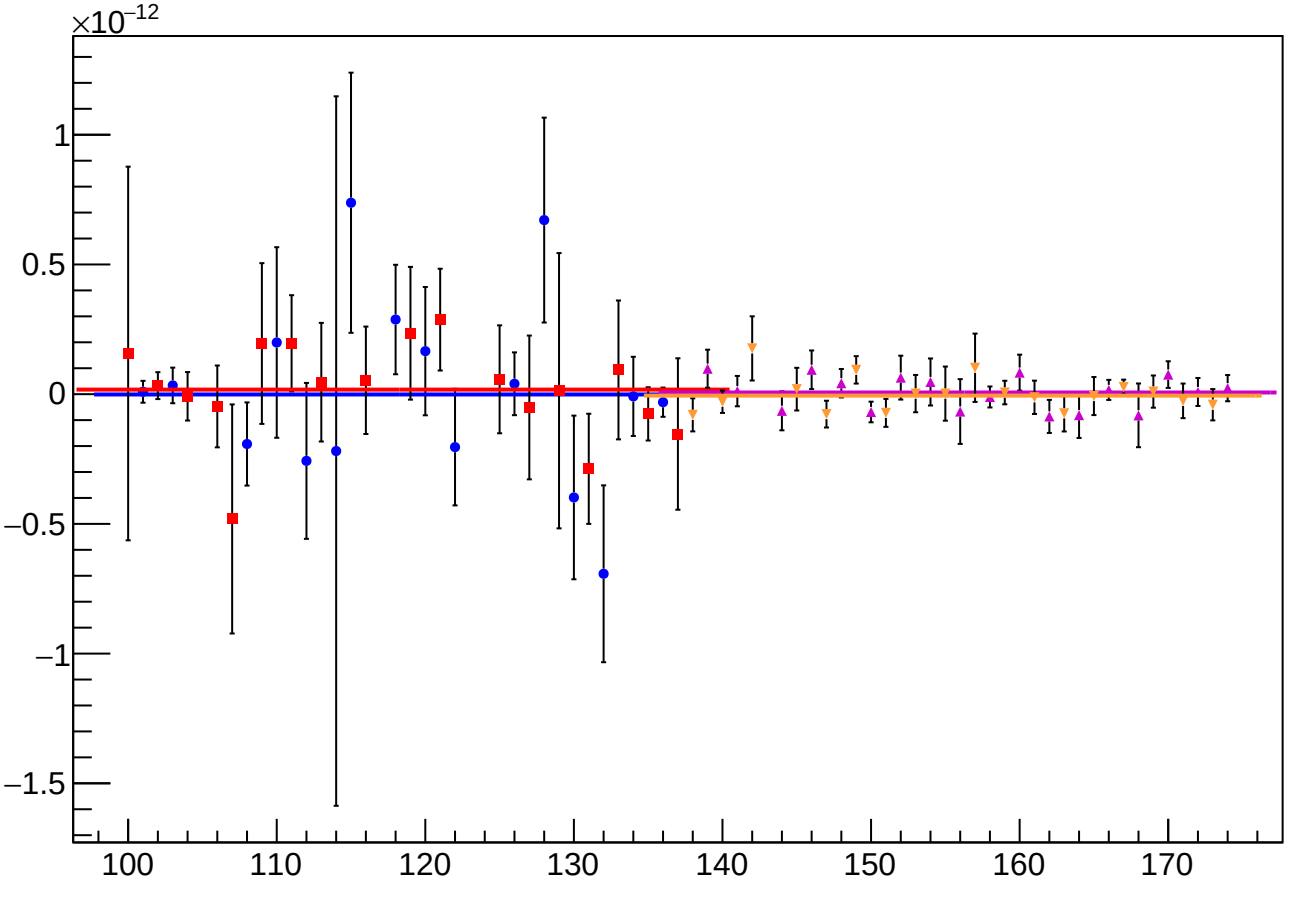
Right: 3028.459+/-0.572 χ^2/NDF: 786469.7/33

In: 3037.481+/-0.461 χ^2/NDF:801589.5/33

Out: 3039.280+/-0.469 χ^2/NDF:612623.2/35

All: 3038.367+/-0.329 χ^2/NDF: 1414220.1/69

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 17.1/15

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/17

Left In: 0.000+/-0.000 χ^2/NDF:15.8/17

Left: 0.000+/-0.000 χ^2/NDF: 30.7/35

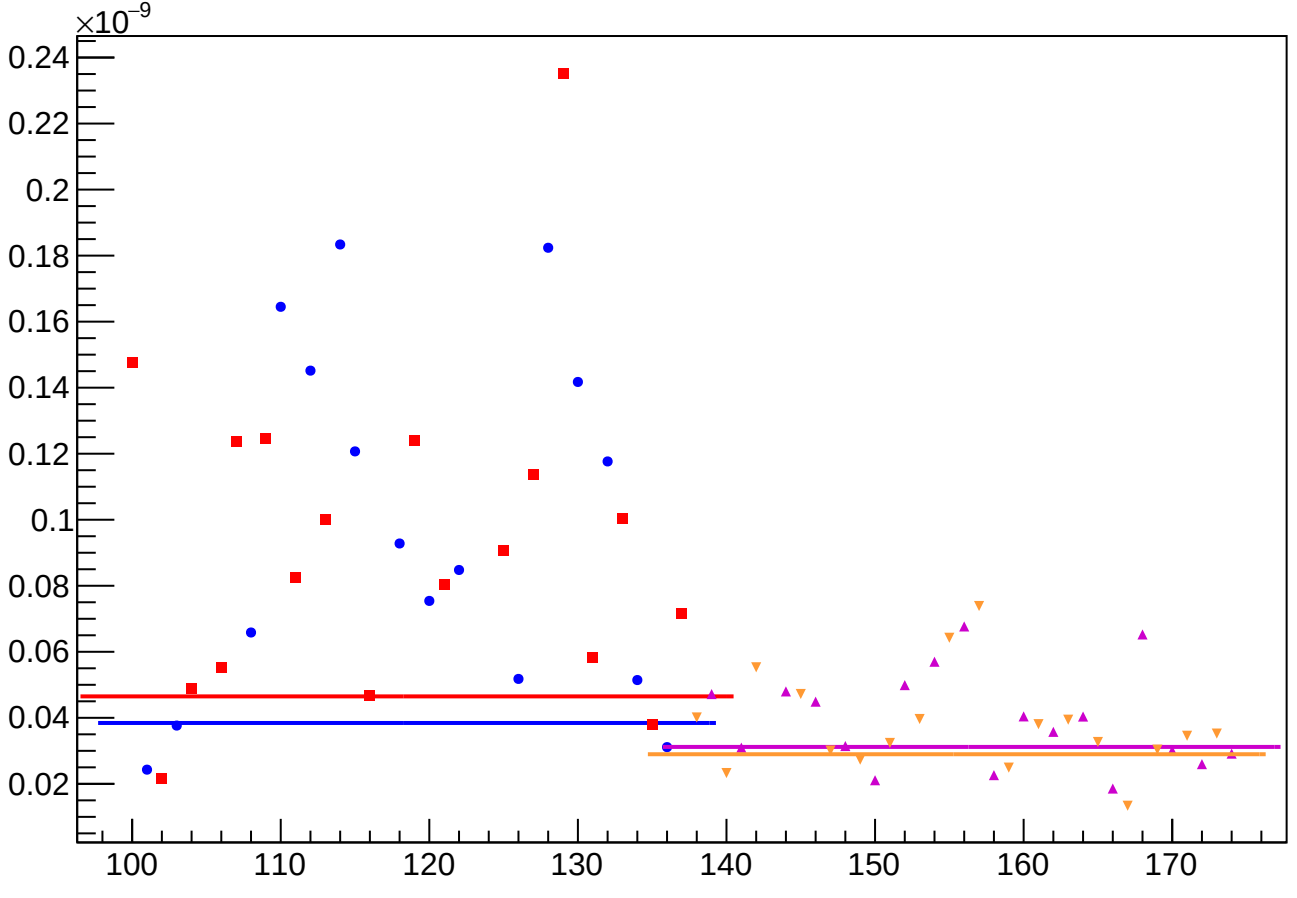
Right: 0.000+/-0.000 χ^2/NDF: 26.3/33

In: 0.000+/-0.000 χ^2/NDF:33.0/33

Out: -0.000+/-0.000 χ^2/NDF:23.8/35

All: 0.000+/-0.000 χ^2/NDF: 57.0/69

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1771405.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:1549325.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1697135.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1369633.3/17

Left: 0.000+/-0.000 χ^2/NDF: 2945239.9/35

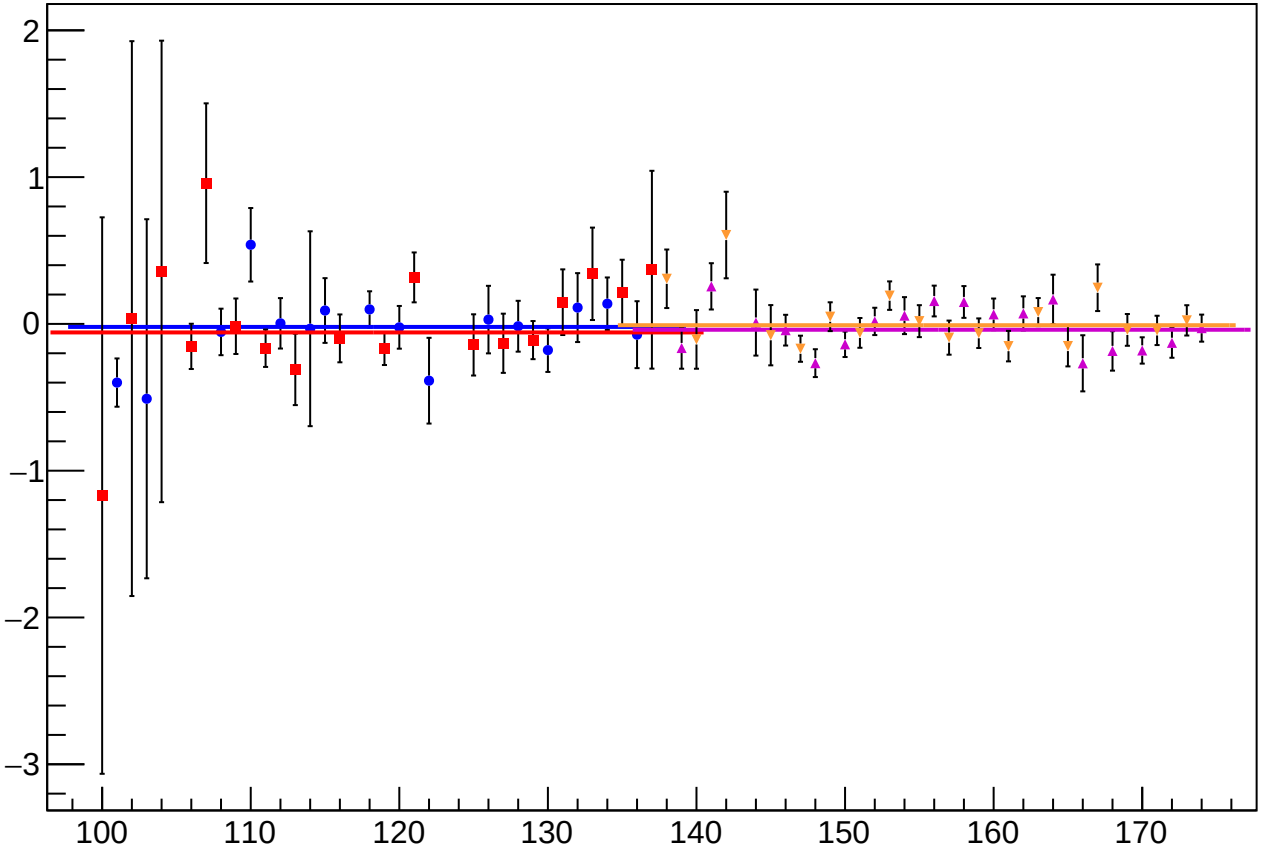
Right: 0.000+/-0.000 χ^2/NDF: 3535596.3/33

In: 0.000+/-0.000 χ^2/NDF:3253583.8/33

Out: 0.000+/-0.000 χ^2/NDF:3694136.5/35

All: 0.000+/-0.000 χ^2/NDF: 6960542.4/69

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

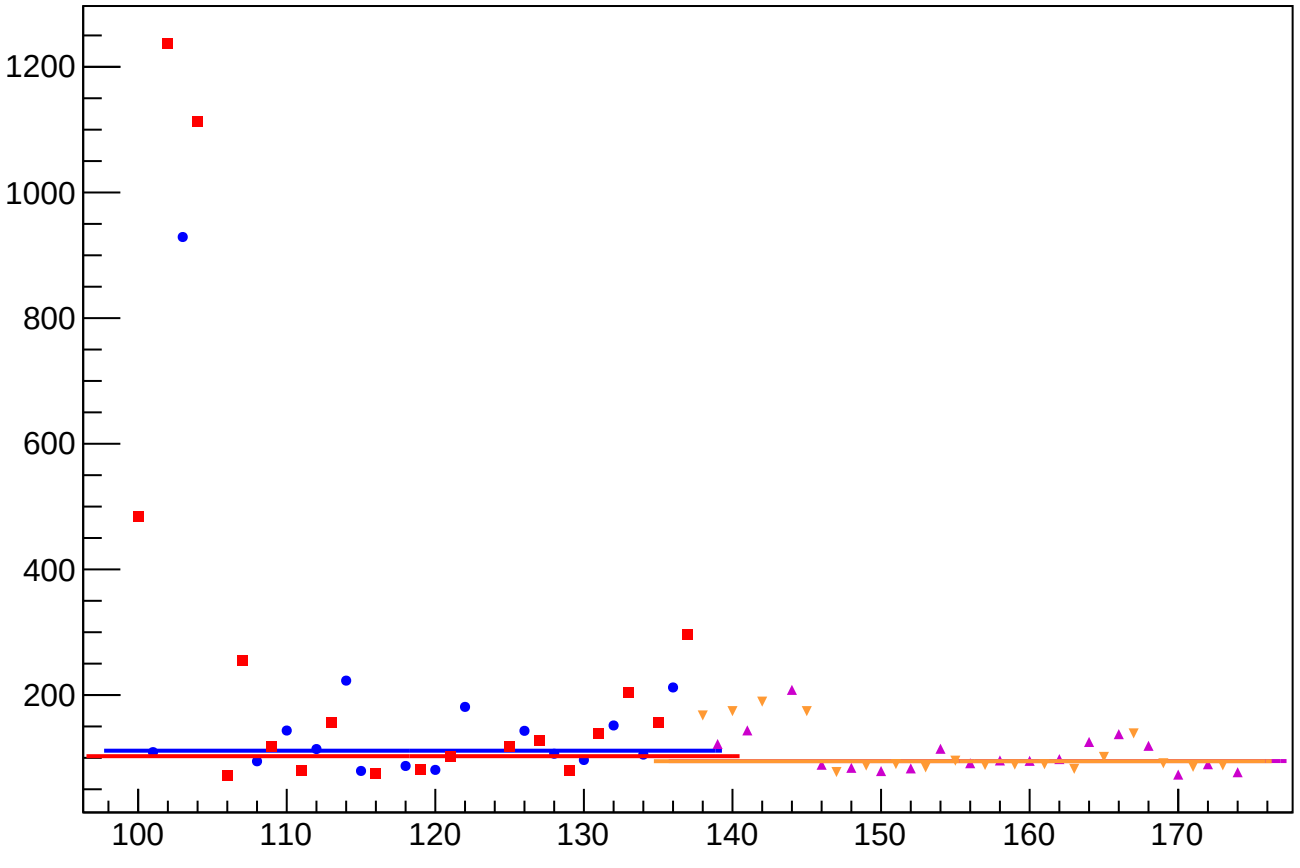
Left: -0.025+/-0.019 χ^2/NDF: 51.7/35

Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.022+/-0.023 χ^2/NDF:40.6/35

All: -0.028+/-0.017 χ^2/NDF: 84.7/69



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 94.692+/-0.019 χ^2/NDF:1437656.2/17

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 94.910+/-0.019 χ^2/NDF:1381847.0/17

Left: 94.804+/-0.013 χ^2/NDF: 2819568.9/35

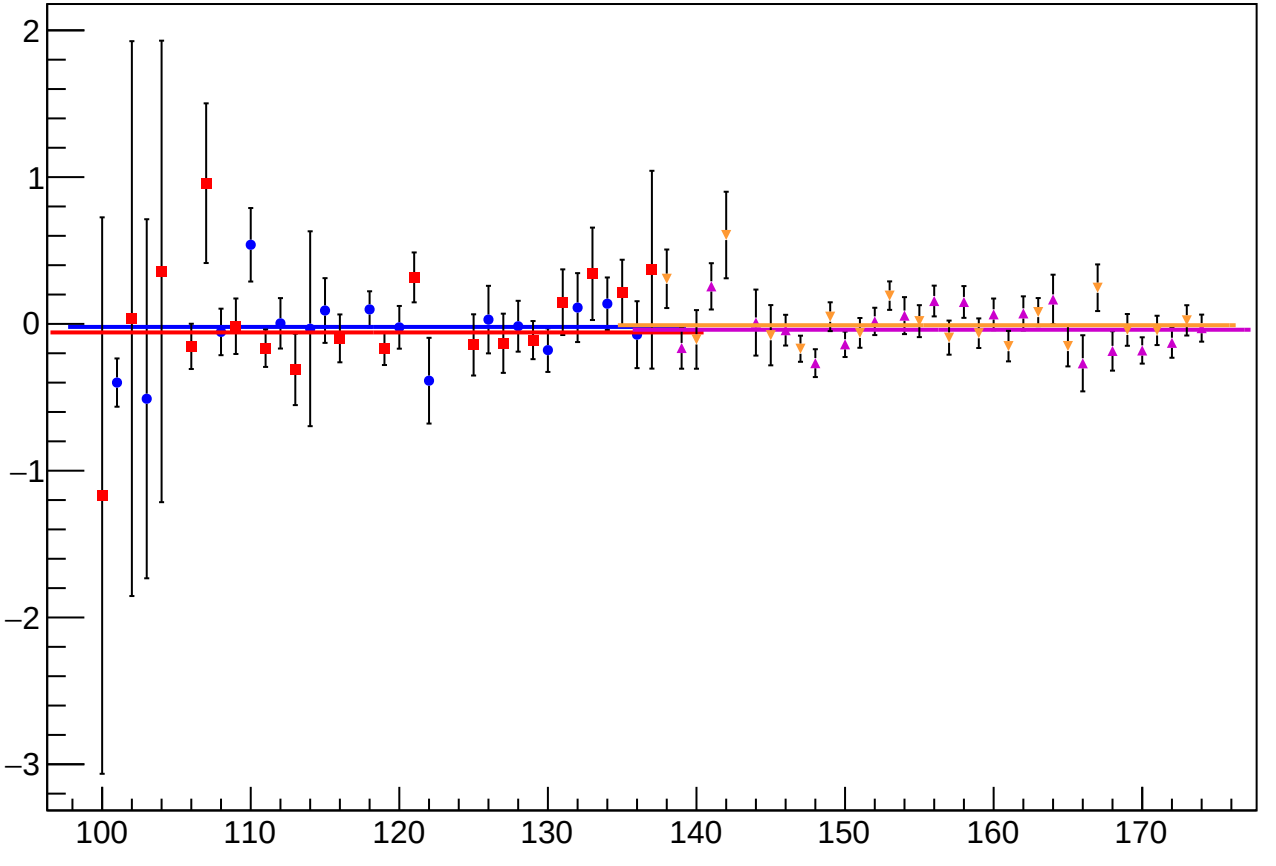
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.824+/-0.016 χ^2/NDF:3404205.5/33

Out: 96.736+/-0.017 χ^2/NDF:4308517.1/35

All: 97.793+/-0.012 χ^2/NDF: 7720728.3/69

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

Left: -0.025+/-0.019 χ^2/NDF: 51.7/35

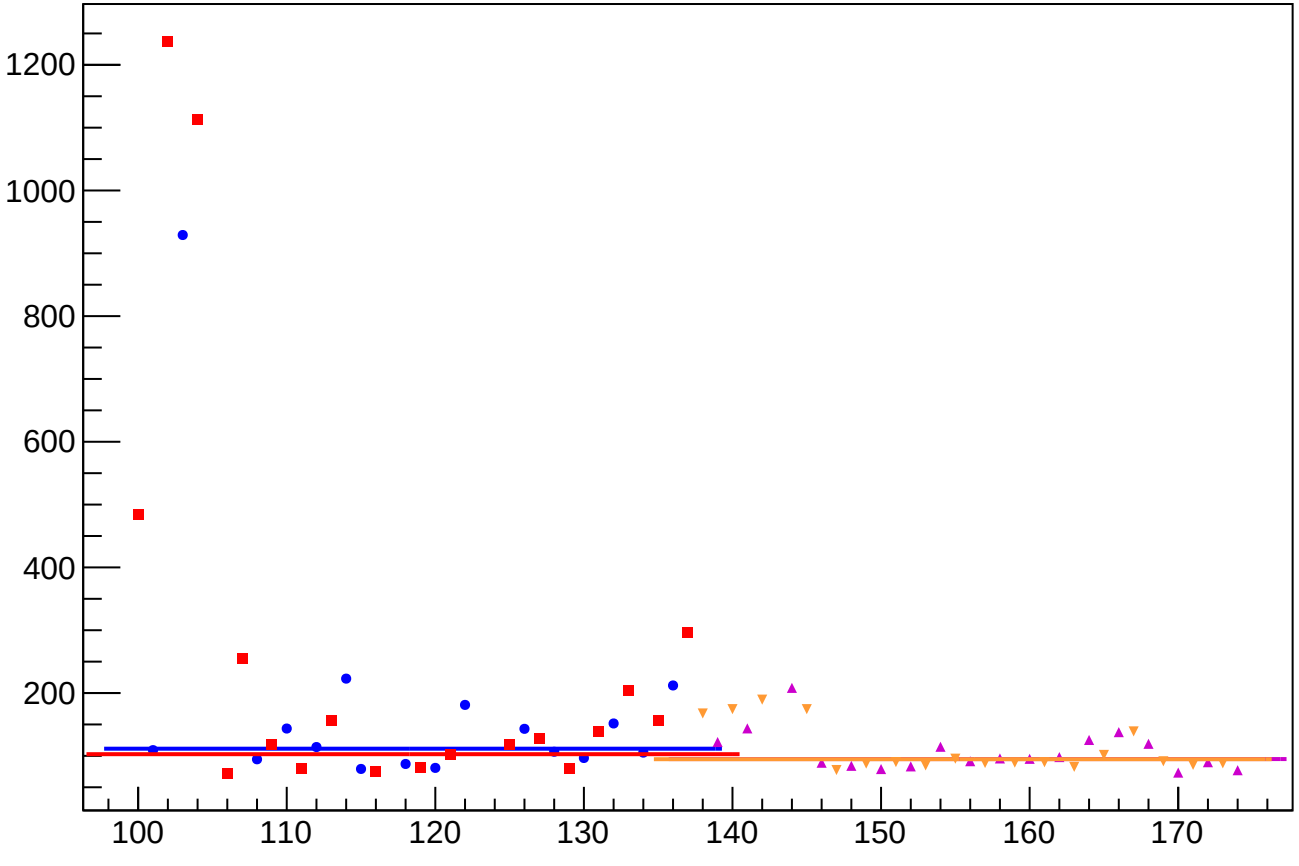
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.022+/-0.023 χ^2/NDF:40.6/35

All: -0.028+/-0.017 χ^2/NDF: 84.7/69

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.407+/-0.034 χ^2/NDF: 1839361.2/15

Left Out: 94.692+/-0.019 χ^2/NDF:1437656.2/17

Right Out: 102.673+/-0.033 χ^2/NDF: 2826852.7/17

Left In: 94.910+/-0.019 χ^2/NDF:1381847.0/17

Left: 94.804+/-0.013 χ^2/NDF: 2819568.9/35

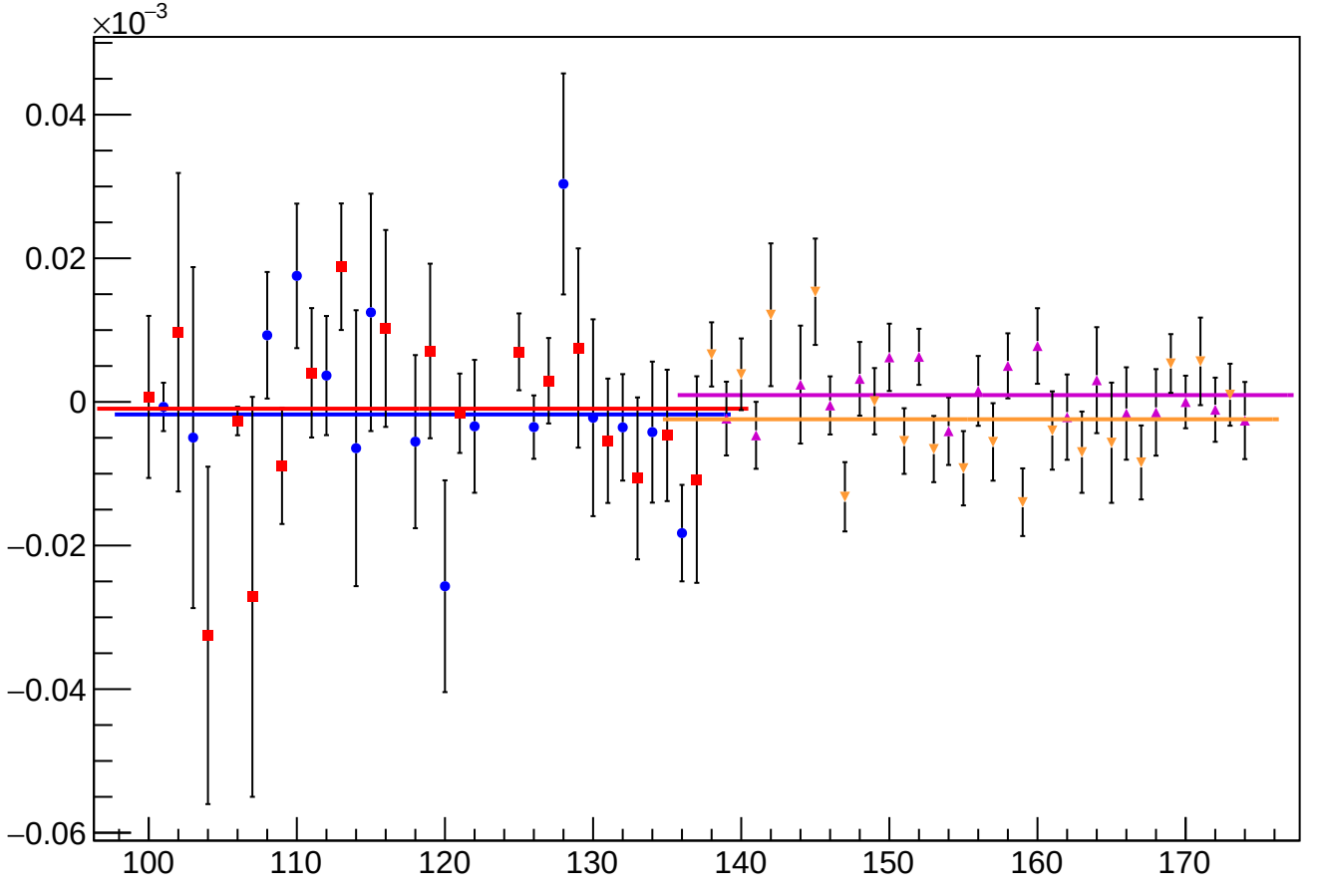
Right: 106.926+/-0.024 χ^2/NDF: 4700716.0/33

In: 98.824+/-0.016 χ^2/NDF:3404205.5/33

Out: 96.736+/-0.017 χ^2/NDF:4308517.1/35

All: 97.793+/-0.012 χ^2/NDF: 7720728.3/69

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:36.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:10.4/17

Left: -0.000+/-0.000 χ^2/NDF: 50.8/35

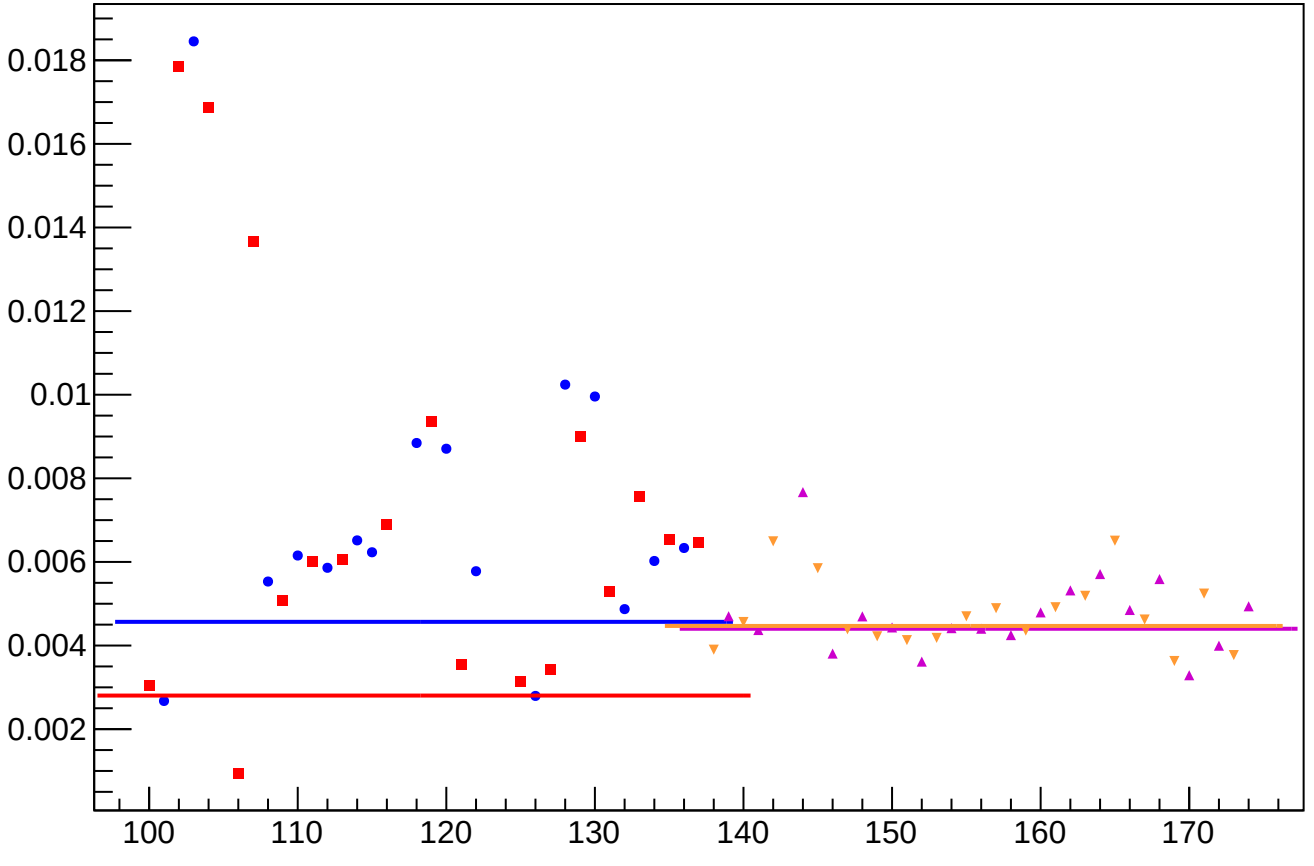
Right: -0.000+/-0.000 χ^2/NDF: 35.9/33

In: 0.000+/-0.000 χ^2/NDF:31.8/33

Out: -0.000+/-0.000 χ^2/NDF:52.8/35

All: -0.000+/-0.000 χ^2/NDF: 86.8/69

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3012257.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:562748.5/17

Right Out: 0.003+/-0.000 χ^2/NDF: 6610011.8/17

Left In: 0.004+/-0.000 χ^2/NDF:887090.9/17

Left: 0.004+/-0.000 χ^2/NDF: 1453059.0/35

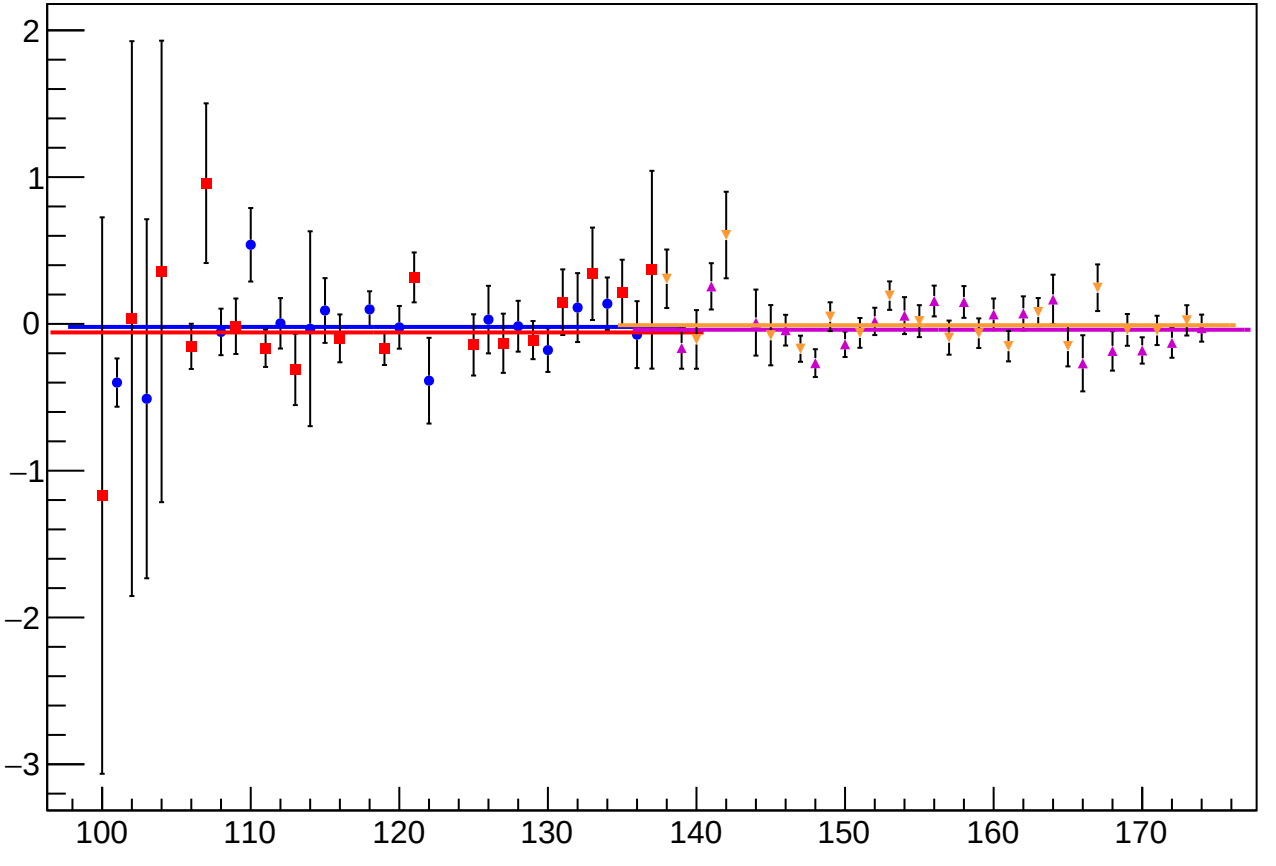
Right: 0.003+/-0.000 χ^2/NDF: 10674508.6/33

In: 0.004+/-0.000 χ^2/NDF:3910129.4/33

Out: 0.004+/-0.000 χ^2/NDF:8687891.6/35

All: 0.004+/-0.000 χ^2/NDF: 13046604.8/69

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

Left: -0.025+/-0.019 χ^2/NDF: 51.7/35

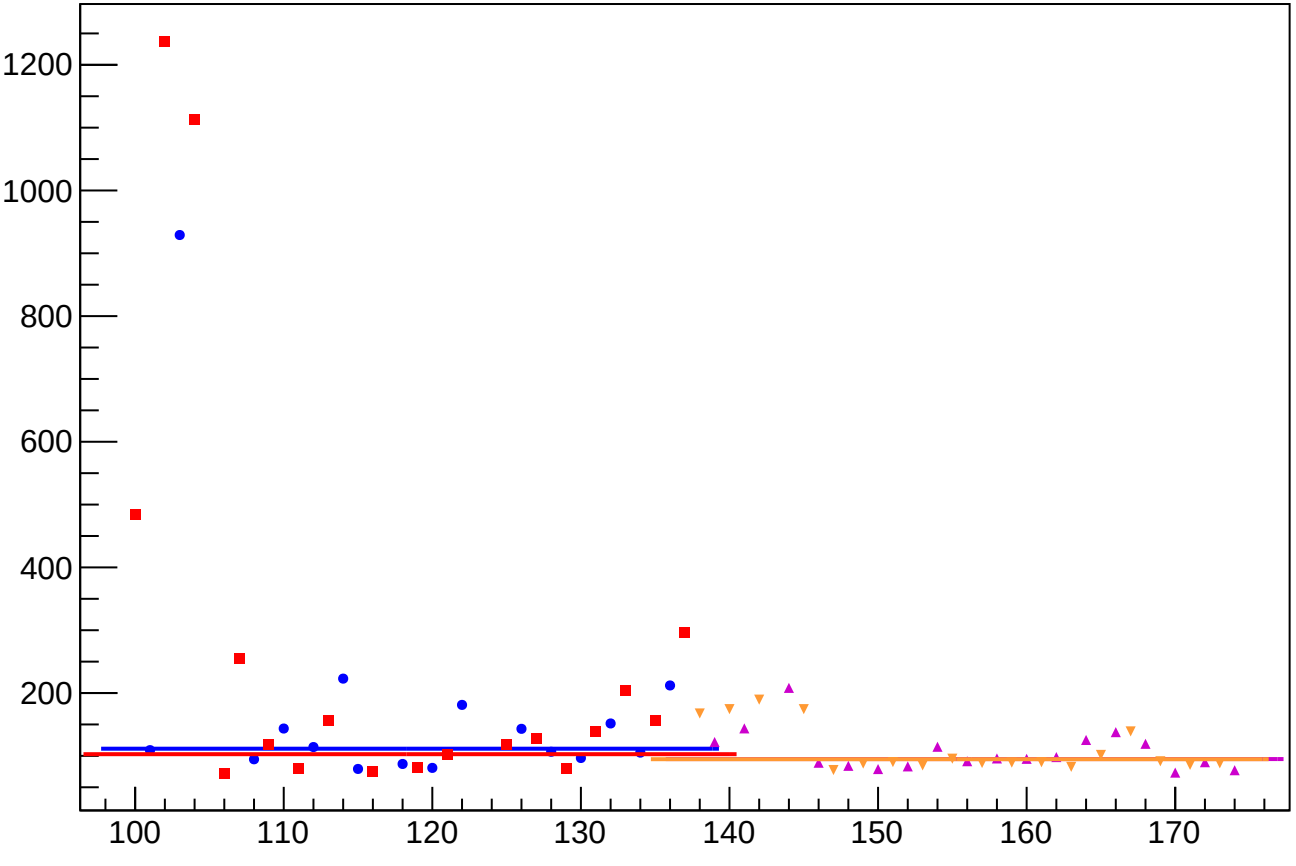
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.022+/-0.023 χ^2/NDF:40.6/35

All: -0.028+/-0.017 χ^2/NDF: 84.7/69

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 94.693+/-0.019 χ^2/NDF:1437632.7/17

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 94.911+/-0.019 χ^2/NDF:1381820.1/17

Left: 94.804+/-0.013 χ^2/NDF: 2819518.4/35

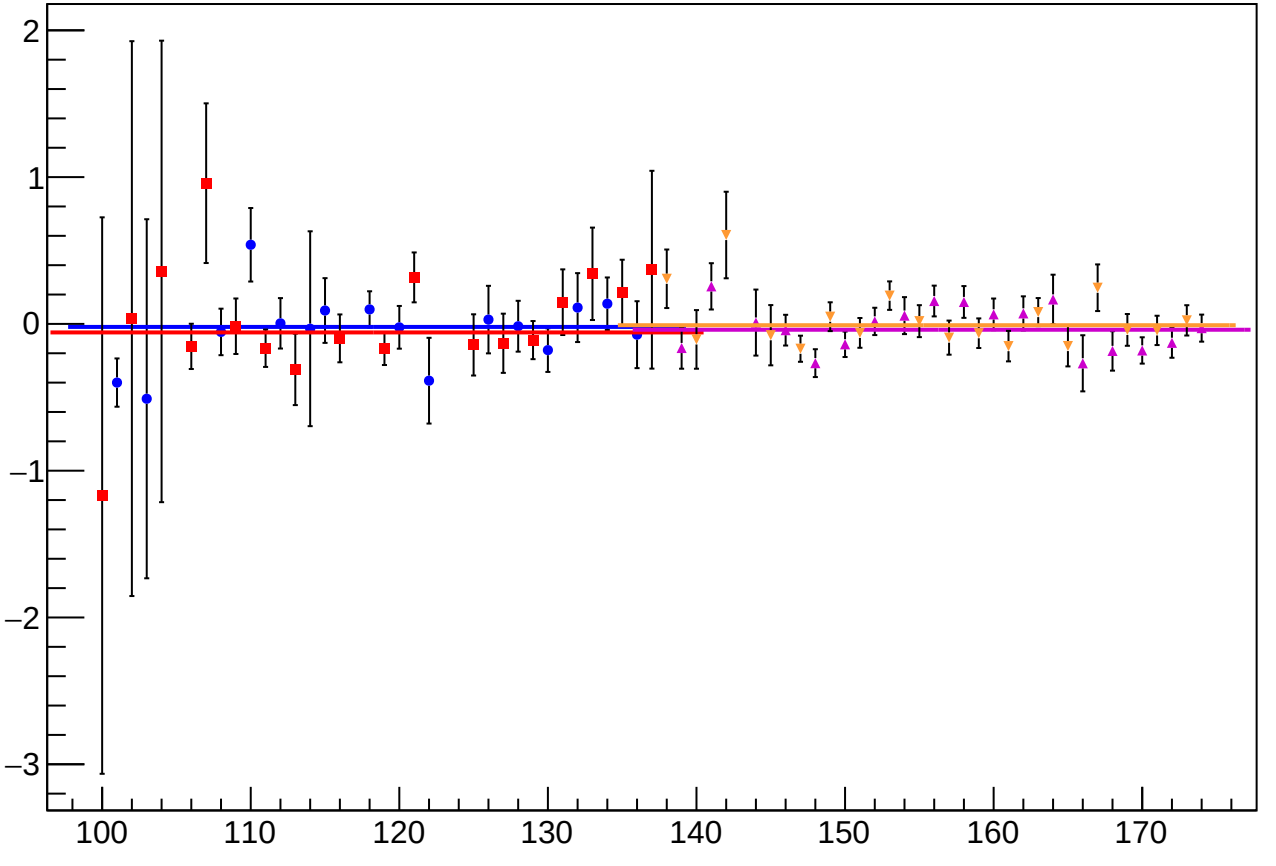
Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 98.824+/-0.016 χ^2/NDF:3404158.5/33

Out: 96.736+/-0.017 χ^2/NDF:4308464.9/35

All: 97.793+/-0.012 χ^2/NDF: 7720627.0/69

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.048 χ^2/NDF: 15.6/15

Left Out: -0.009+/-0.027 χ^2/NDF:23.0/17

Right Out: -0.058+/-0.046 χ^2/NDF: 16.8/17

Left In: -0.040+/-0.027 χ^2/NDF:28.1/17

Left: -0.025+/-0.019 χ^2/NDF: 51.7/35

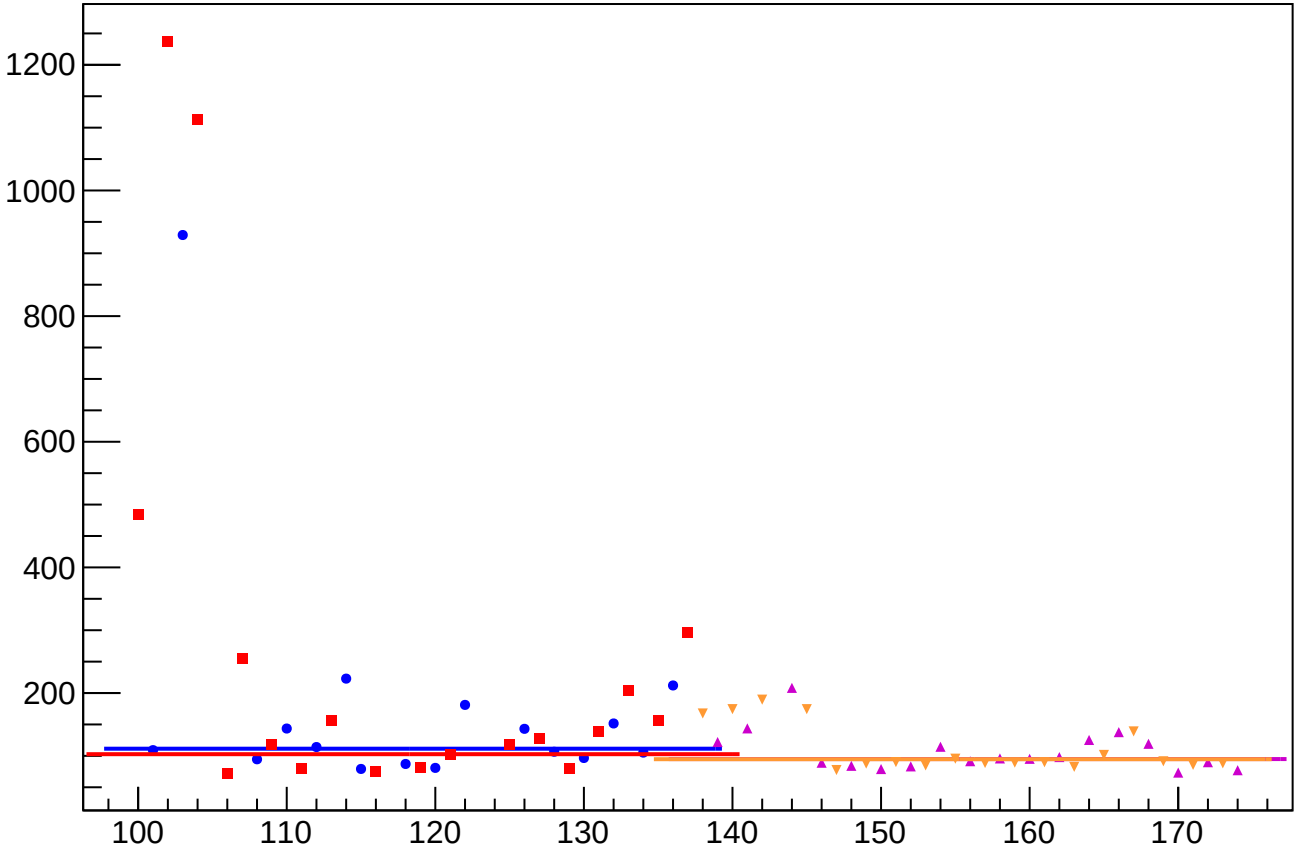
Right: -0.040+/-0.033 χ^2/NDF: 32.8/33

In: -0.035+/-0.023 χ^2/NDF:43.8/33

Out: -0.022+/-0.023 χ^2/NDF:40.6/35

All: -0.028+/-0.017 χ^2/NDF: 84.7/69

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 111.404+/-0.034 χ^2/NDF: 1839407.3/15

Left Out: 94.693+/-0.019 χ^2/NDF:1437632.7/17

Right Out: 102.671+/-0.033 χ^2/NDF: 2826848.2/17

Left In: 94.911+/-0.019 χ^2/NDF:1381820.1/17

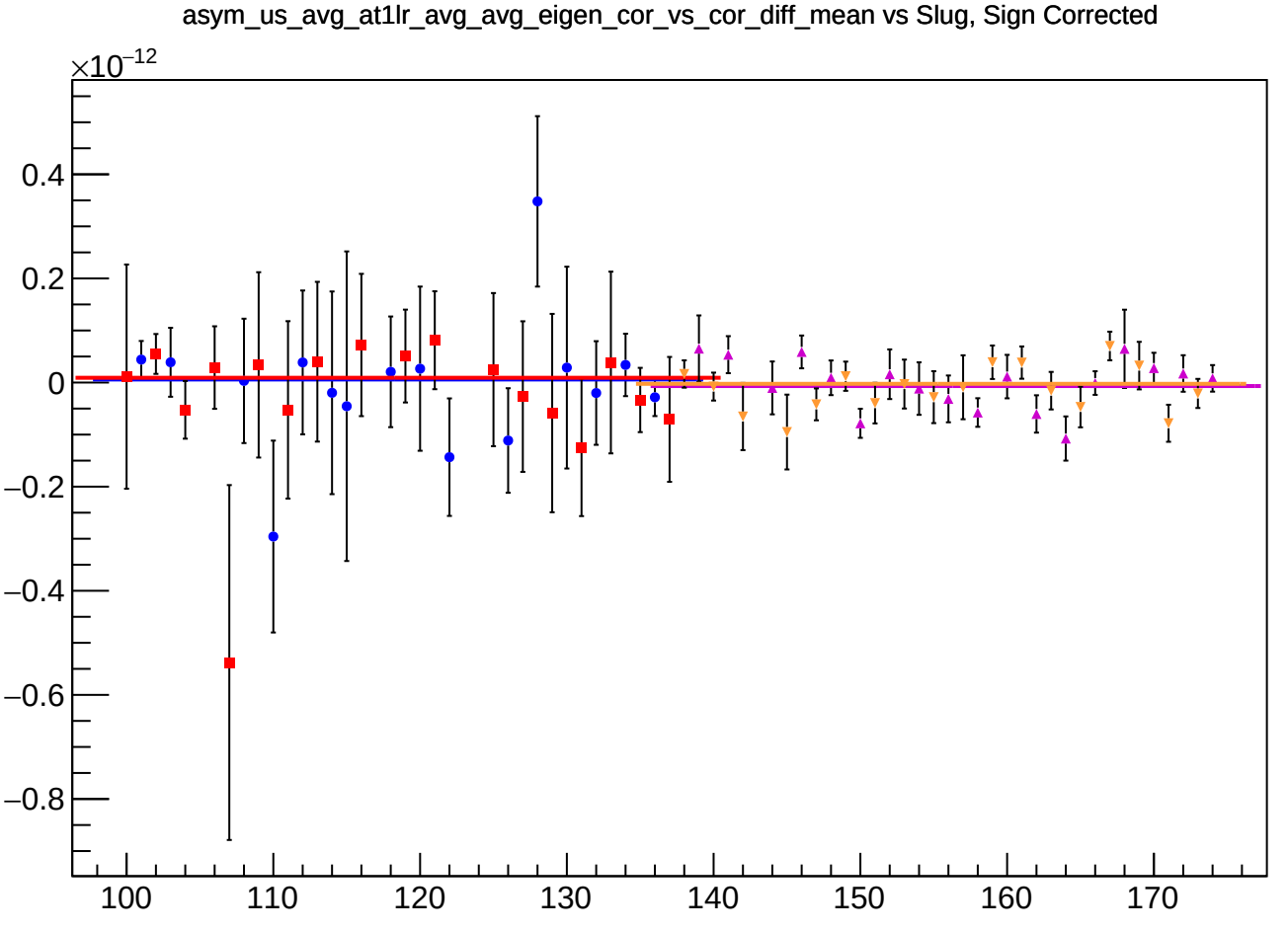
Left: 94.804+/-0.013 χ^2/NDF: 2819518.4/35

Right: 106.924+/-0.024 χ^2/NDF: 4700749.9/33

In: 98.824+/-0.016 χ^2/NDF:3404158.5/33

Out: 96.736+/-0.017 χ^2/NDF:4308464.9/35

All: 97.793+/-0.012 χ^2/NDF: 7720627.0/69



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 8.7/17

Left In: -0.000+/-0.000 χ^2/NDF:30.5/17

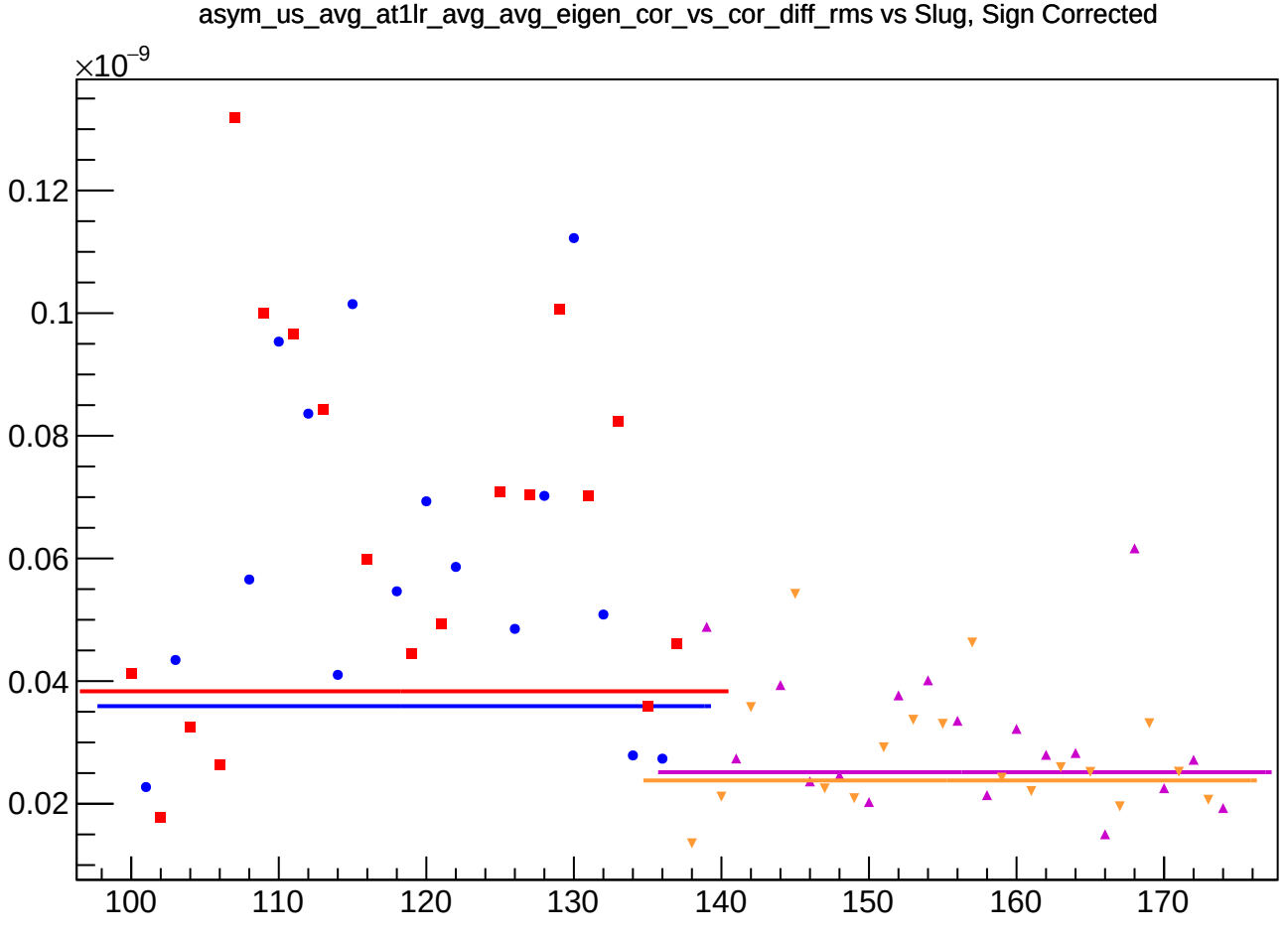
Left: -0.000+/-0.000 χ^2/NDF: 54.3/35

Right: 0.000+/-0.000 χ^2/NDF: 21.6/33

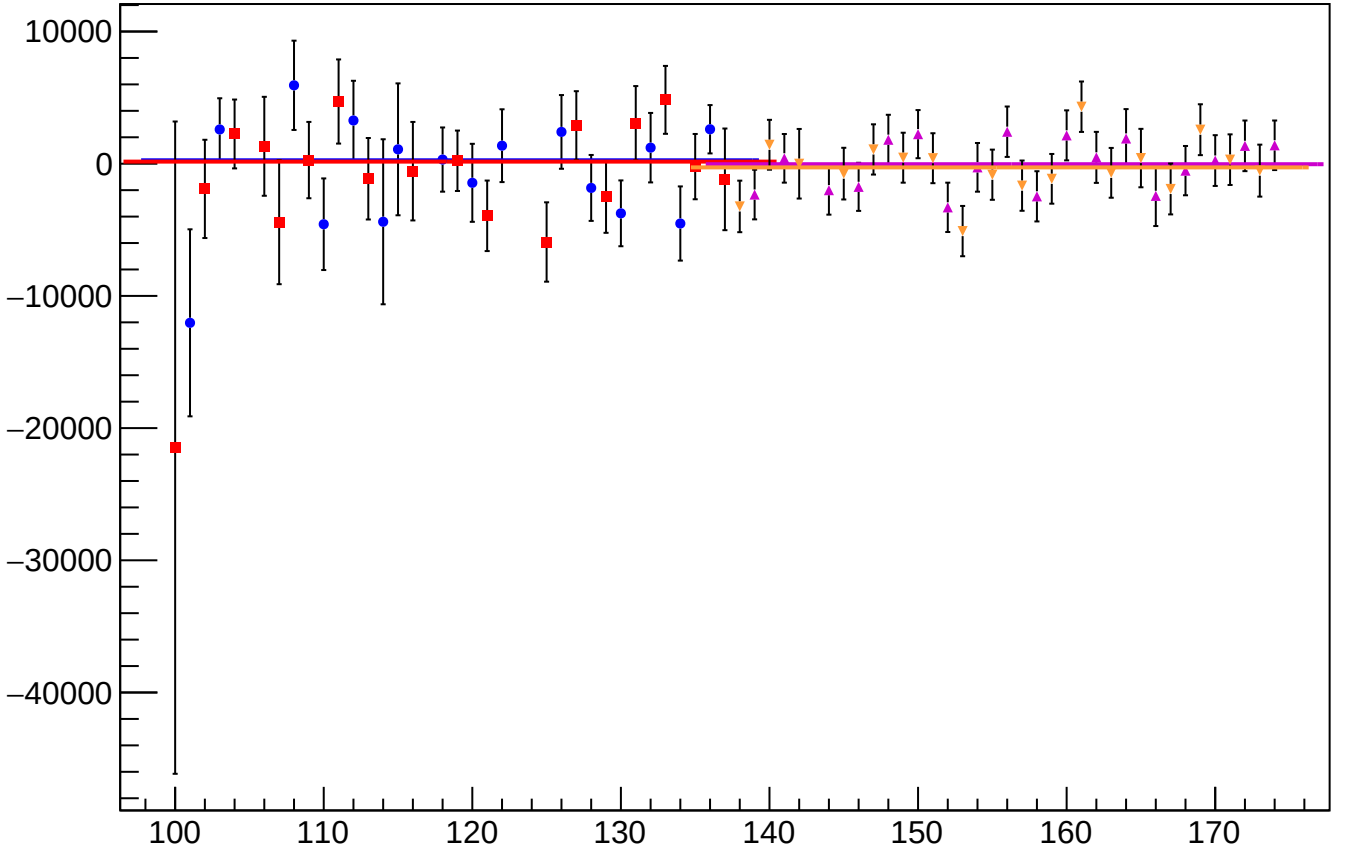
In: -0.000+/-0.000 χ^2/NDF:43.7/33

Out: -0.000+/-0.000 χ^2/NDF:32.6/35

All: -0.000+/-0.000 χ^2/NDF: 76.5/69


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1759038.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1415632.7/17
Right Out: 0.000+/-0.000 χ²/NDF: 2202319.8/17
Left In: 0.000+/-0.000 χ²/NDF:2007082.7/17
Left: 0.000+/-0.000 χ²/NDF: 3449325.3/35
Right: 0.000+/-0.000 χ²/NDF: 3975413.5/33
In: 0.000+/-0.000 χ²/NDF:4299023.4/33
Out: 0.000+/-0.000 χ²/NDF:4407804.1/35
All: 0.000+/-0.000 χ²/NDF: 8730117.7/69

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.502+/-709.700 χ^2/NDF: 19.4/15

Left Out: -278.135+/-459.625 χ^2/NDF:20.2/17

Right Out: 159.330+/-712.314 χ^2/NDF: 18.1/17

Left In: -37.433+/-449.559 χ^2/NDF:16.9/17

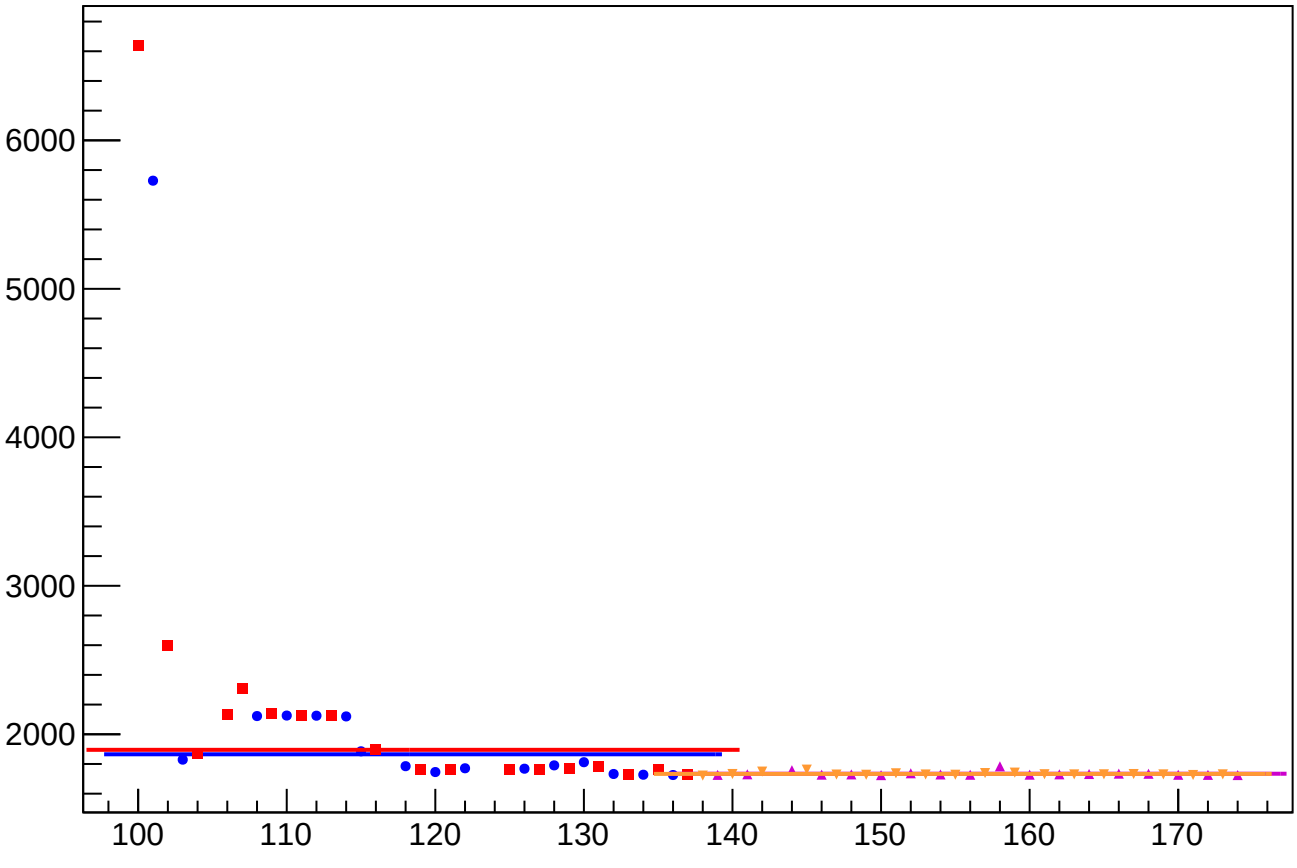
Left: -155.120+/-321.386 χ^2/NDF: 37.3/35

Right: 209.600+/-502.755 χ^2/NDF: 37.5/33

In: 47.596+/-379.776 χ^2/NDF:36.5/33

Out: -149.537+/-386.205 χ^2/NDF:38.5/35

All: -49.316+/-270.786 χ^2/NDF: 75.1/69



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.118+/-0.325 χ^2/NDF:744.2/17

Right Out: 1895.250+/-0.504 χ^2/NDF: 250806.5/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

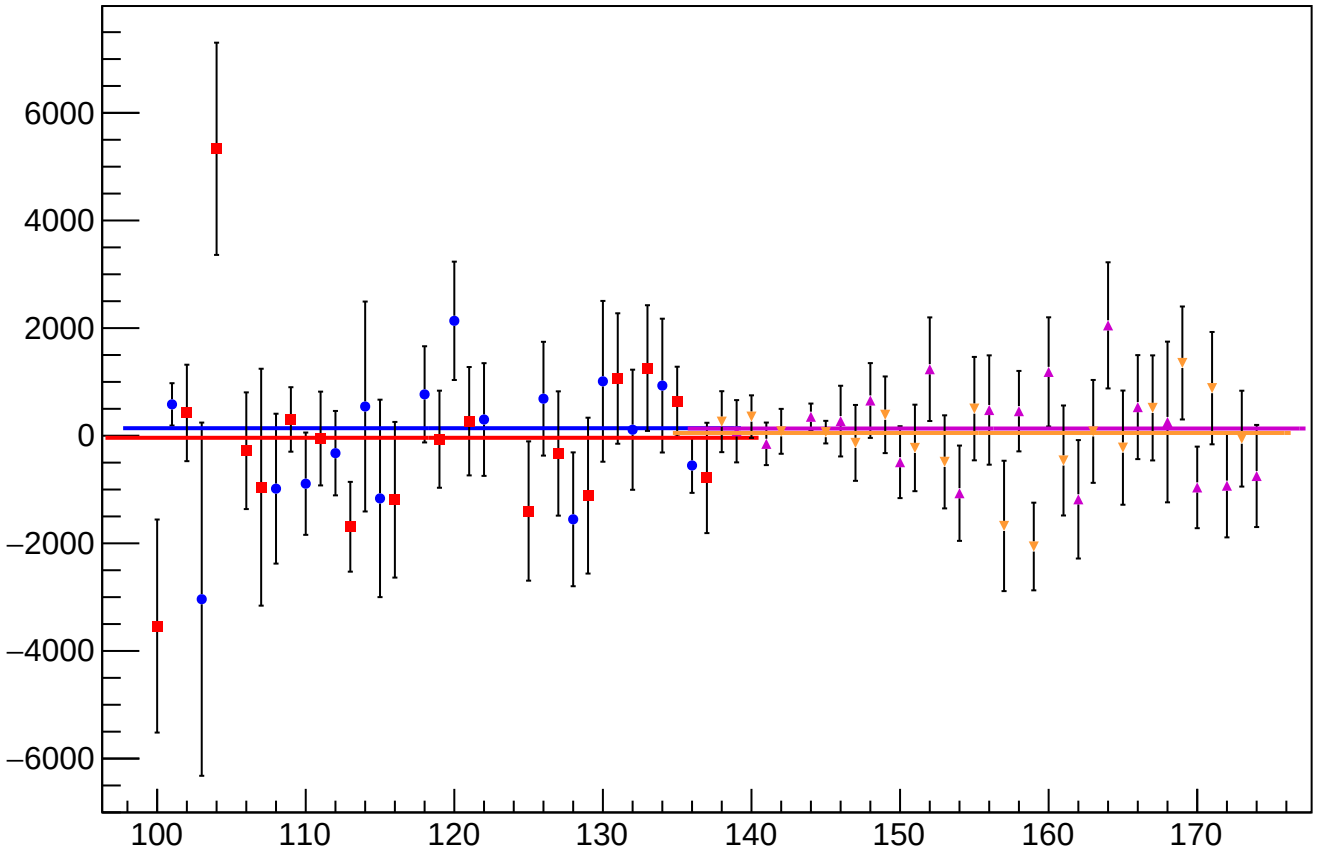
Left: 1733.708+/-0.227 χ^2/NDF: 2757.6/35

Right: 1880.155+/-0.356 χ^2/NDF: 925321.0/33

In: 1771.755+/-0.269 χ^2/NDF:723286.4/33

Out: 1780.779+/-0.273 χ^2/NDF:324706.8/35

All: 1776.191+/-0.191 χ^2/NDF: 1048548.2/69



Right In: 139.799+/-220.100 χ^2/NDF: 13.5/15

Left Out: 51.096+/-134.651 χ^2/NDF:13.2/17

Right Out: -38.629+/-238.253 χ^2/NDF: 21.4/17

Left In: 134.095+/-147.828 χ^2/NDF:15.8/17

Left: 88.732+/-99.546 χ^2/NDF: 29.2/35

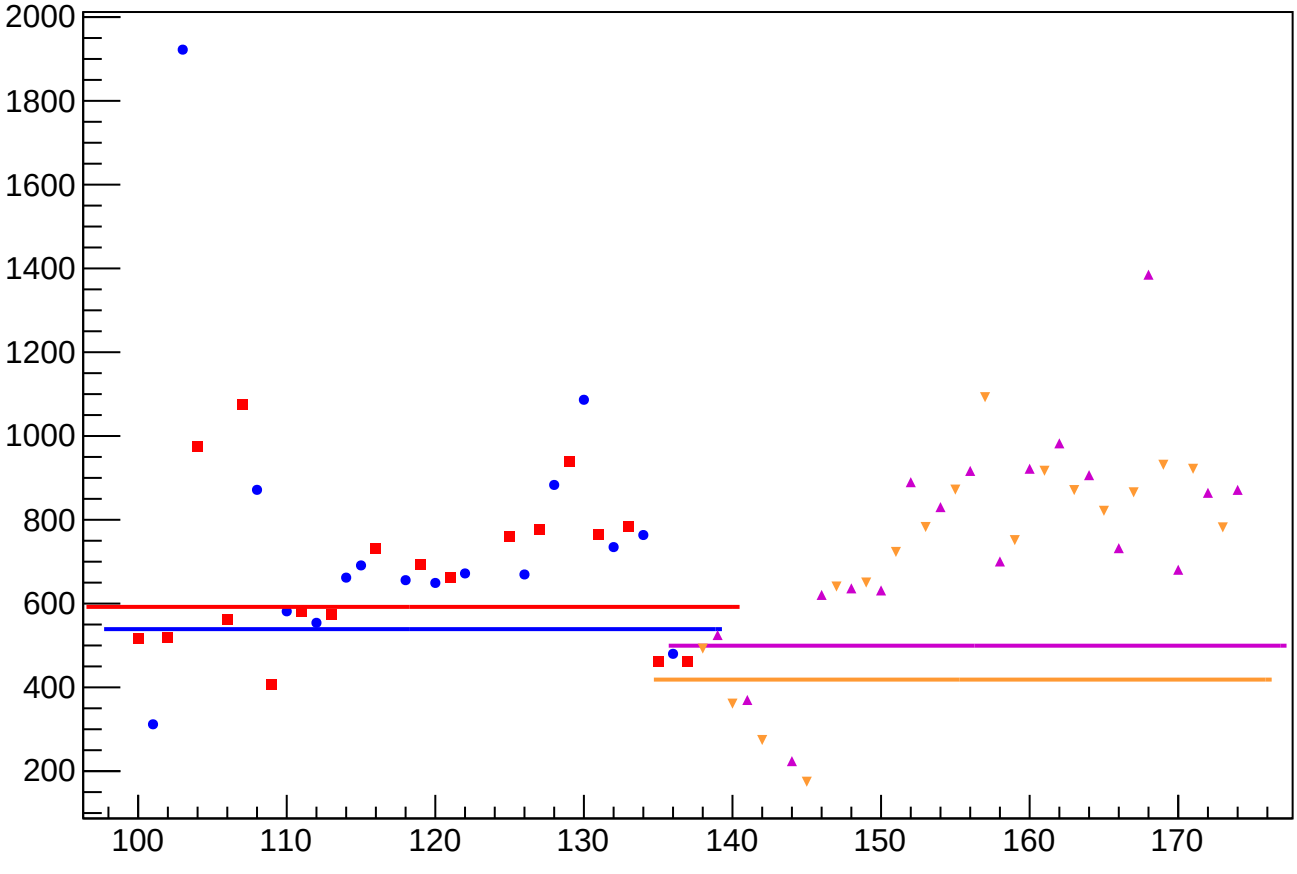
Right: 57.640+/-161.672 χ^2/NDF: 35.2/33

In: 135.868+/-122.718 χ^2/NDF:29.2/33

Out: 29.375+/-117.225 χ^2/NDF:34.7/35

All: 80.185+/-84.766 χ^2/NDF: 64.4/69

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 539.016+/-0.156 χ^2/NDF: 1854576.5/15

Left Out: 418.551+/-0.095 χ^2/NDF:8369176.5/17

Right Out: 592.101+/-0.168 χ^2/NDF: 843066.1/17

Left In: 499.487+/-0.105 χ^2/NDF:6563912.1/17

Left: 455.252+/-0.070 χ^2/NDF: 15260756.4/35

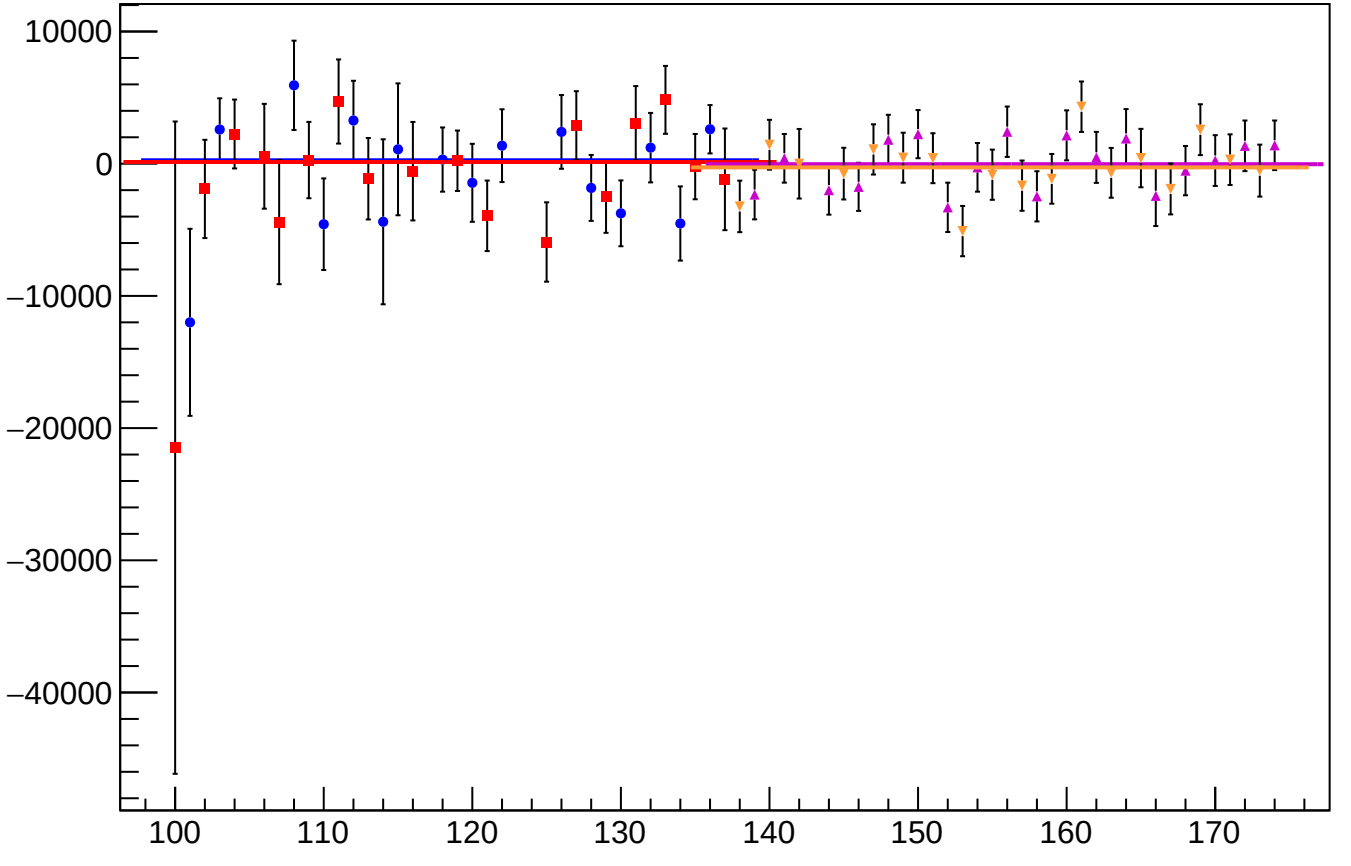
Right: 563.459+/-0.114 χ^2/NDF: 2751212.3/33

In: 511.776+/-0.087 χ^2/NDF:8462943.3/33

Out: 460.564+/-0.083 χ^2/NDF:10016554.7/35

All: 484.998+/-0.060 χ^2/NDF: 18661615.1/69

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 259.689+/-709.700 χ^2/NDF: 19.4/15

Left Out: -278.103+/-459.625 χ^2/NDF:20.2/17

Right Out: 130.049+/-713.724 χ^2/NDF: 18.0/17

Left In: -37.480+/-449.559 χ^2/NDF:16.9/17

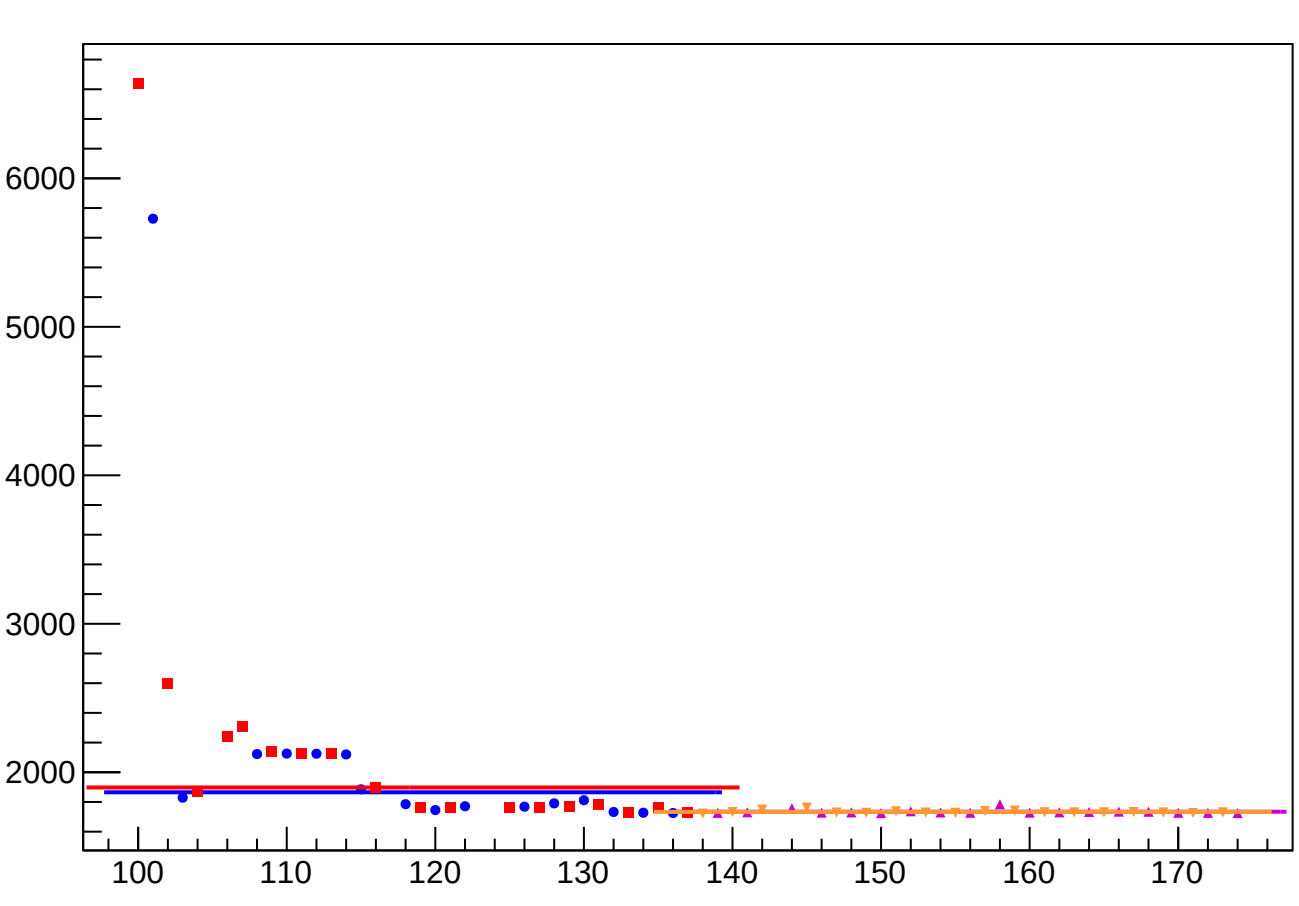
Left: -155.128+/-321.386 χ^2/NDF: 37.3/35

Right: 195.236+/-503.250 χ^2/NDF: 37.4/33

In: 47.616+/-379.776 χ^2/NDF:36.5/33

Out: -158.456+/-386.429 χ^2/NDF:38.4/35

All: -53.631+/-270.864 χ^2/NDF: 75.0/69



Right In: 1865.170+/-0.502 χ^2/NDF: 672724.7/15

Left Out: 1733.118+/-0.325 χ^2/NDF:744.2/17

Right Out: 1897.700+/-0.505 χ^2/NDF: 257735.0/17

Left In: 1734.272+/-0.318 χ^2/NDF:2006.9/17

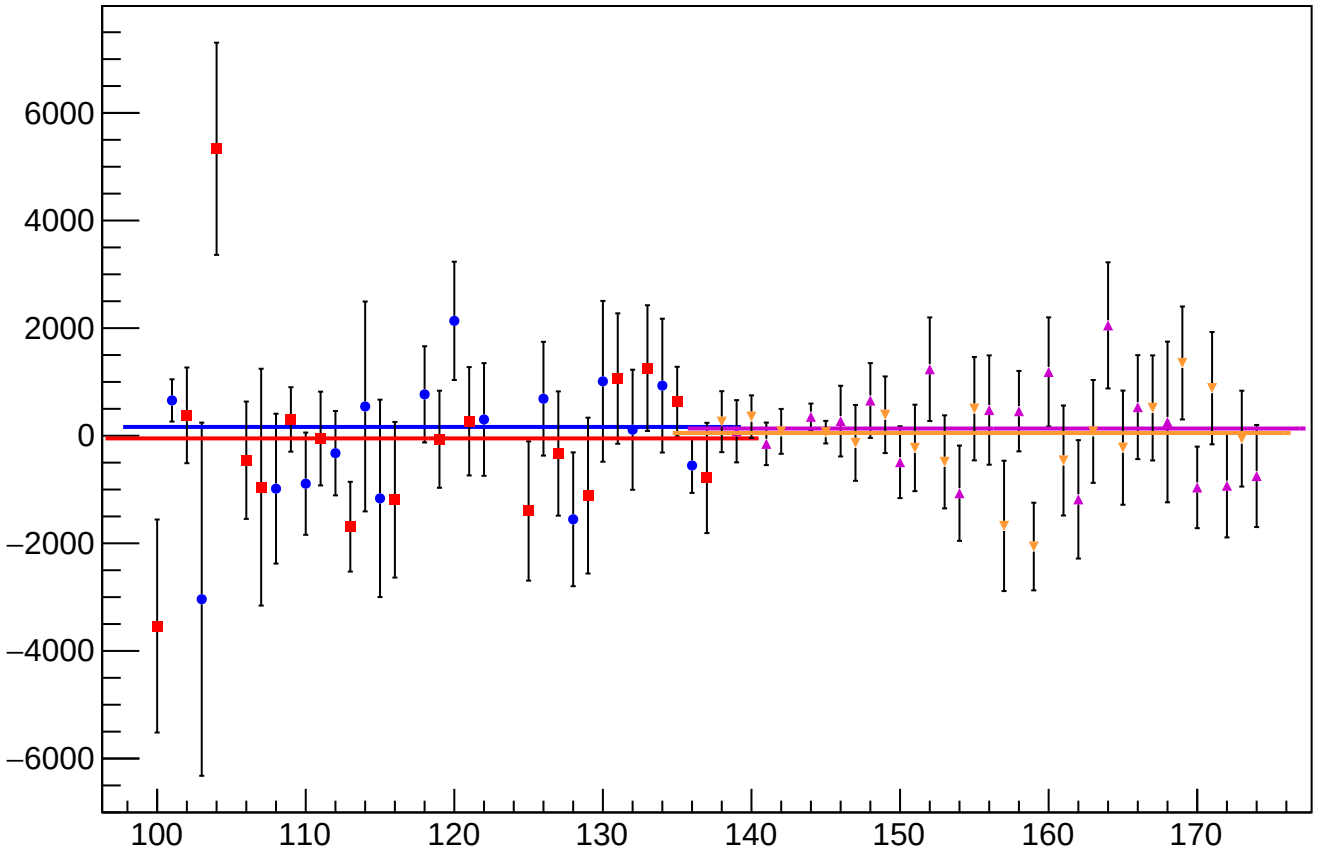
Left: 1733.708+/-0.227 χ^2/NDF: 2757.6/35

Right: 1881.343+/-0.356 χ^2/NDF: 932548.8/33

In: 1771.755+/-0.269 χ^2/NDF:723286.2/33

Out: 1781.364+/-0.273 χ^2/NDF:333653.1/35

All: 1776.476+/-0.192 χ^2/NDF: 1057568.4/69



Right In: 163.149+/-220.024 χ^2/NDF: 13.9/15

Left Out: 50.975+/-134.653 χ^2/NDF:13.2/17

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.070+/-147.829 χ^2/NDF:15.8/17

Left: 88.655+/-99.547 χ^2/NDF: 29.2/35

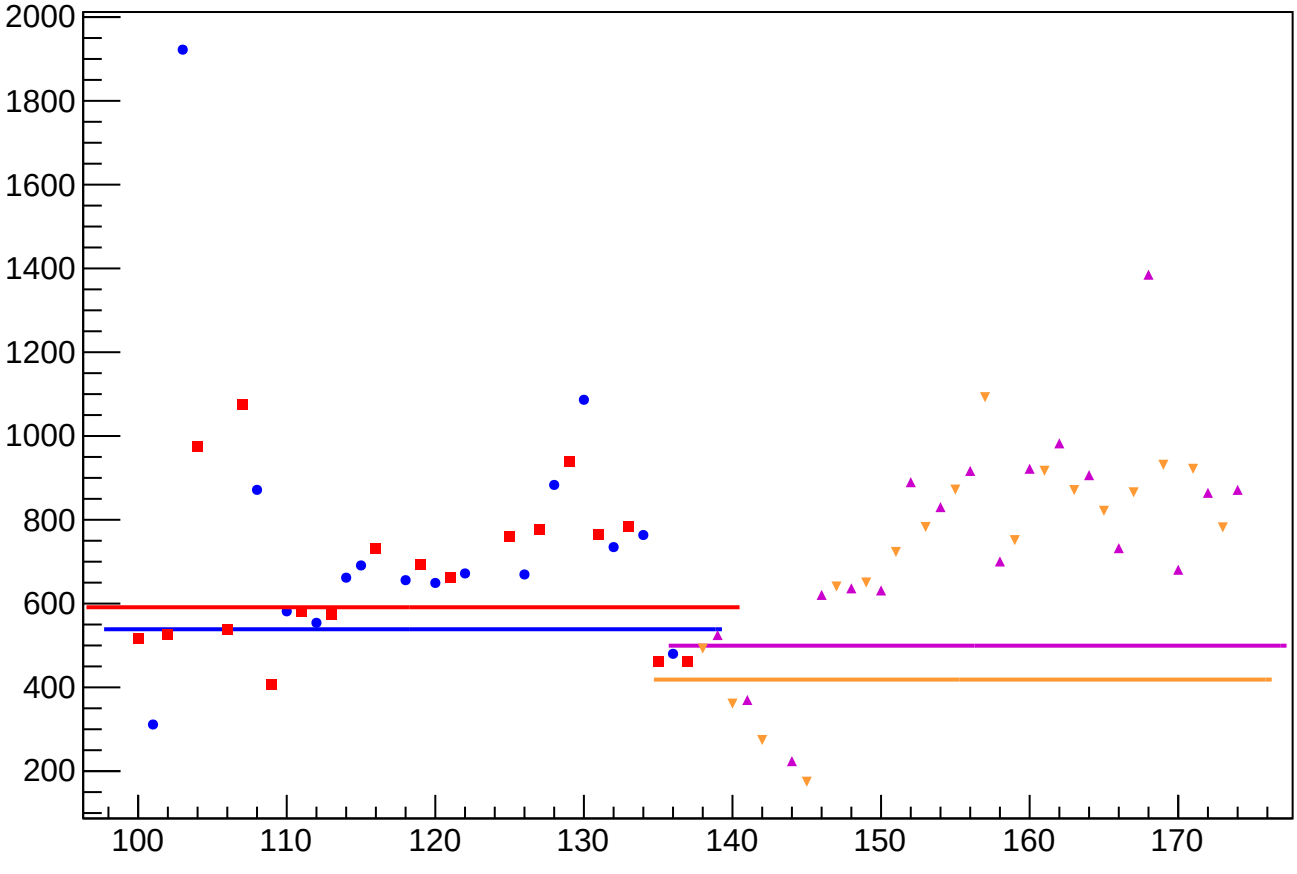
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.114+/-122.705 χ^2/NDF:29.7/33

Out: 26.614+/-117.220 χ^2/NDF:34.8/35

All: 82.202+/-84.760 χ^2/NDF: 65.0/69

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 418.560+/-0.095 χ^2/NDF:8368857.6/17

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

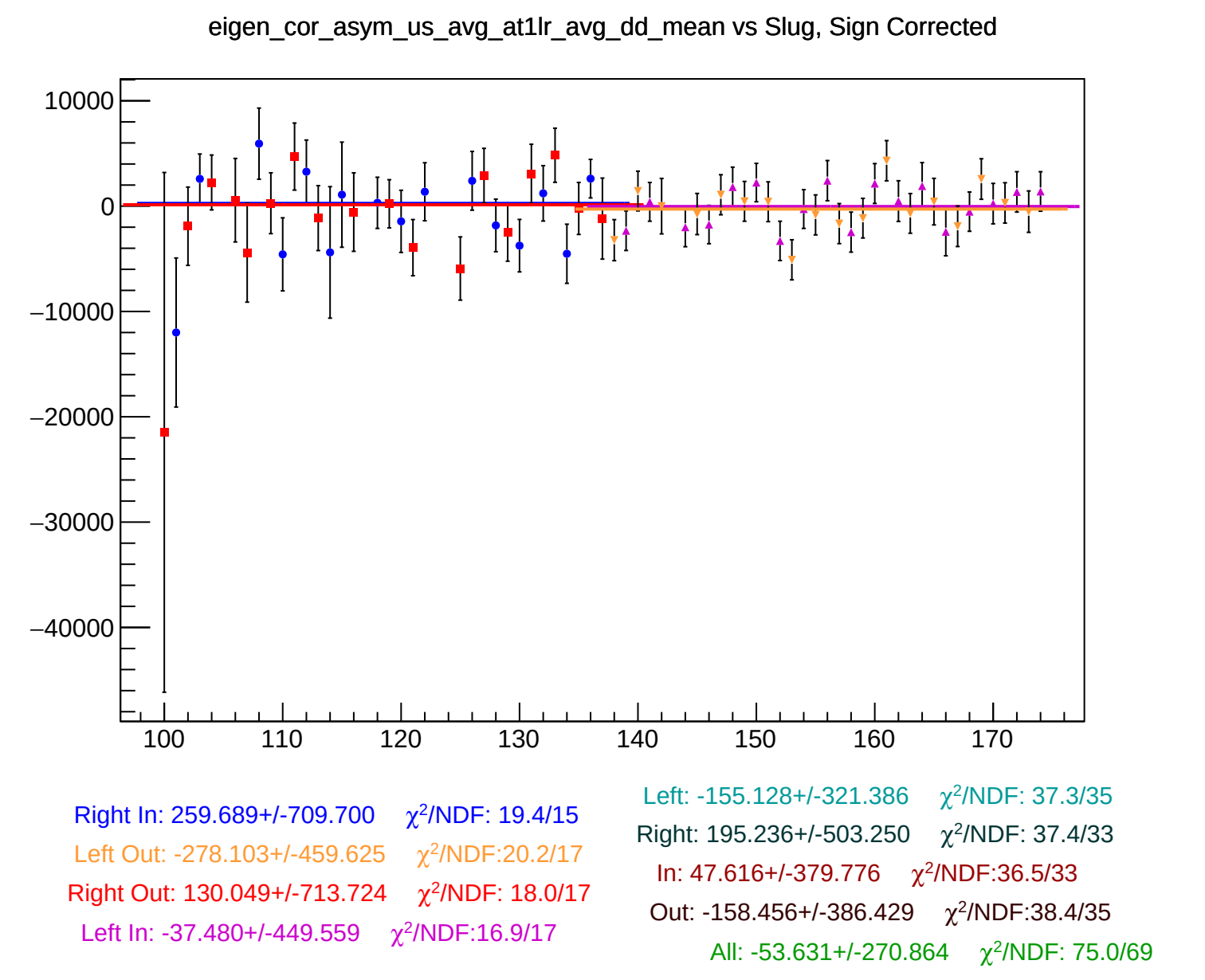
Left: 455.261+/-0.070 χ^2/NDF: 15259990.8/35

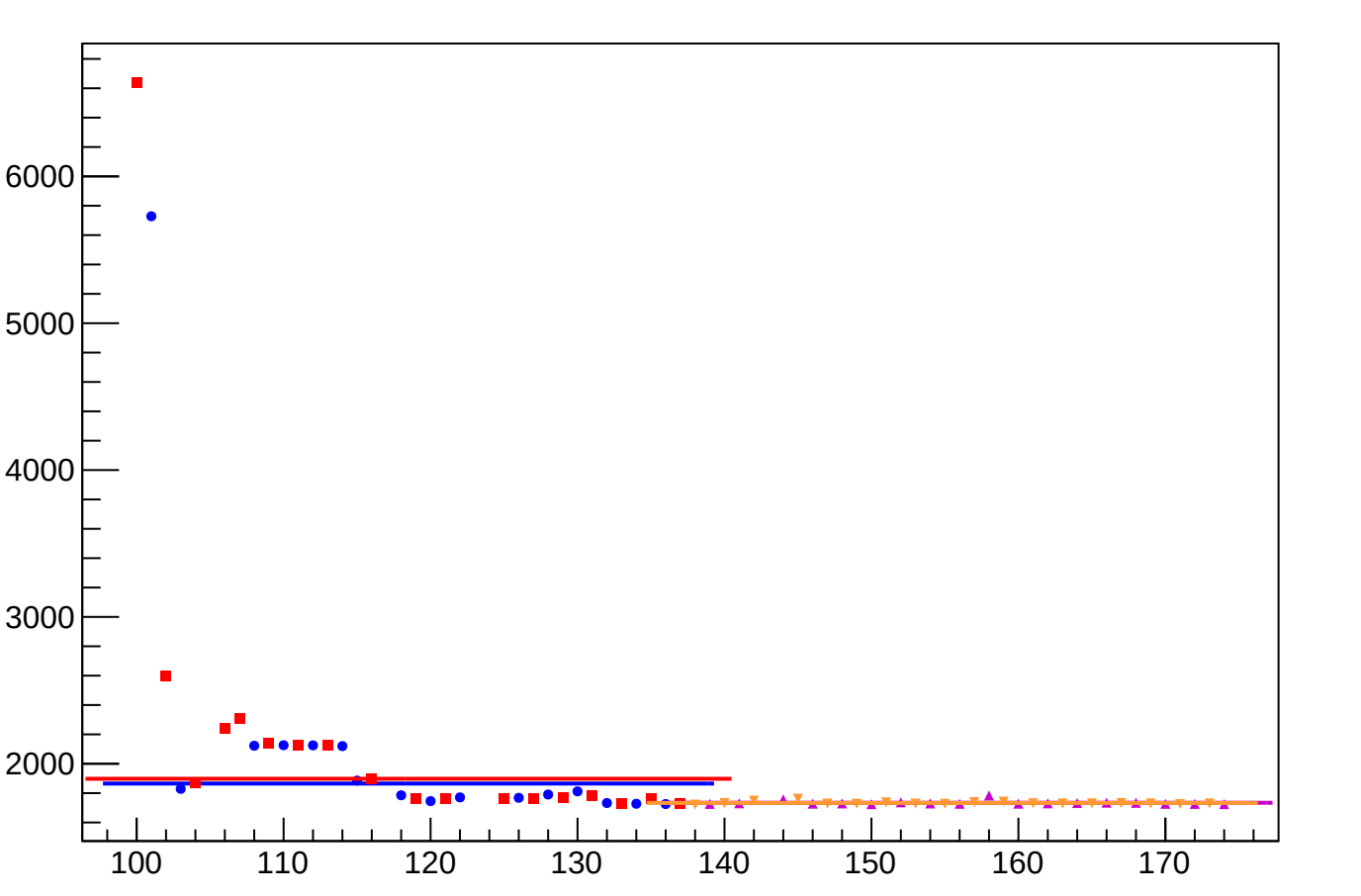
Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 511.690+/-0.087 χ^2/NDF:8466135.9/33

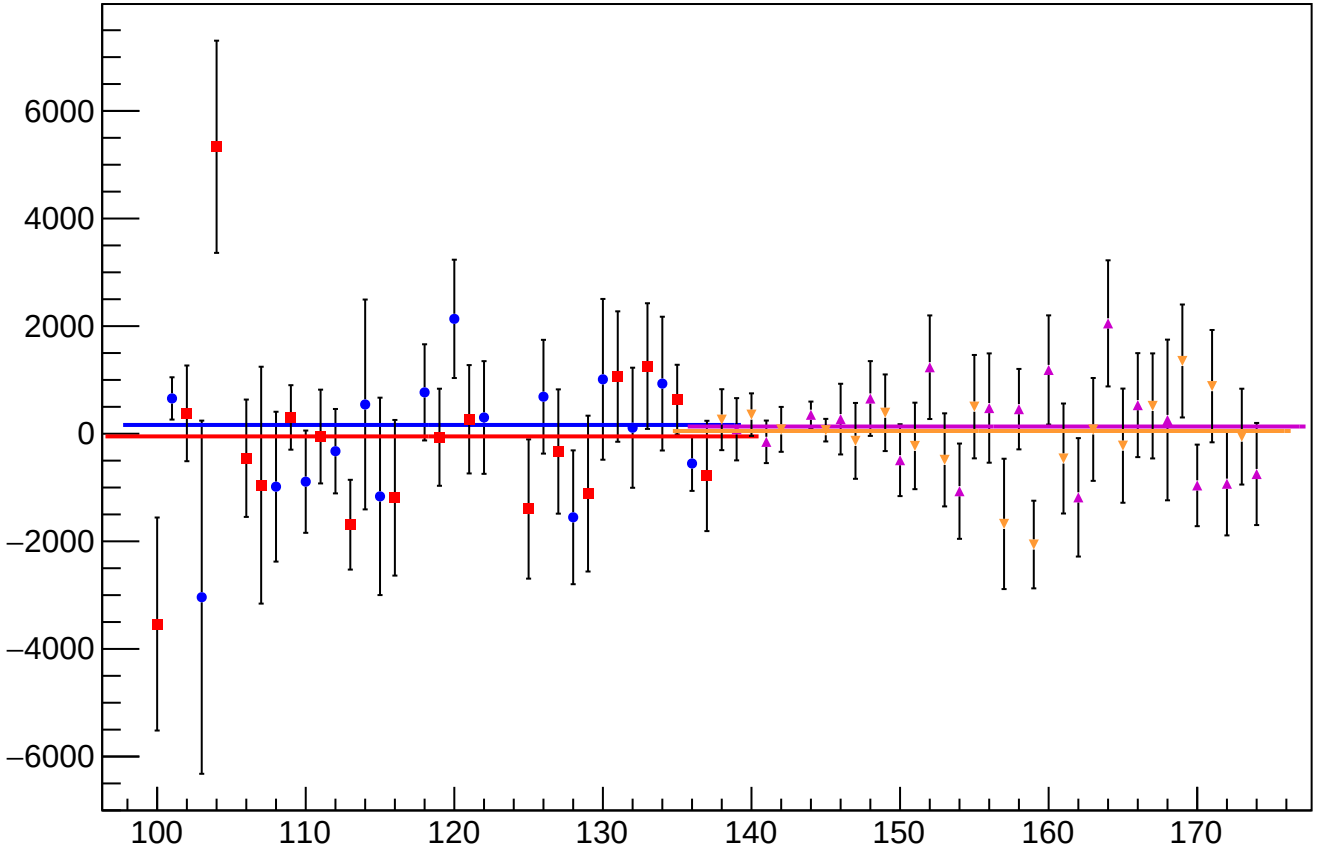
Out: 460.379+/-0.083 χ^2/NDF:10009945.8/35

All: 484.862+/-0.060 χ^2/NDF: 18658931.7/69


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: -278.103+/-459.625 χ²/NDF:20.2/17
Right Out: 130.049+/-713.724 χ²/NDF: 18.0/17
Left In: -37.480+/-449.559 χ²/NDF:16.9/17
Left: -155.128+/-321.386 χ²/NDF: 37.3/35
Right: 195.236+/-503.250 χ²/NDF: 37.4/33
In: 47.616+/-379.776 χ²/NDF:36.5/33
Out: -158.456+/-386.429 χ²/NDF:38.4/35
All: -53.631+/-270.864 χ²/NDF: 75.0/69


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1865.170+/-0.502 χ²/NDF: 672724.7/15
Left Out: 1733.118+/-0.325 χ²/NDF:744.2/17
Right Out: 1897.700+/-0.505 χ²/NDF: 257735.0/17
Left In: 1734.272+/-0.318 χ²/NDF:2006.9/17
Left: 1733.708+/-0.227 χ²/NDF: 2757.6/35
Right: 1881.343+/-0.356 χ²/NDF: 932548.8/33
In: 1771.755+/-0.269 χ²/NDF:723286.2/33
Out: 1781.364+/-0.273 χ²/NDF:333653.1/35
All: 1776.476+/-0.192 χ²/NDF: 1057568.4/69

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: 50.975+/-134.653 χ^2/NDF:13.2/17

Right Out: -49.618+/-238.198 χ^2/NDF: 21.4/17

Left In: 134.070+/-147.829 χ^2/NDF:15.8/17

Left: 88.655+/-99.547 χ^2/NDF: 29.2/35

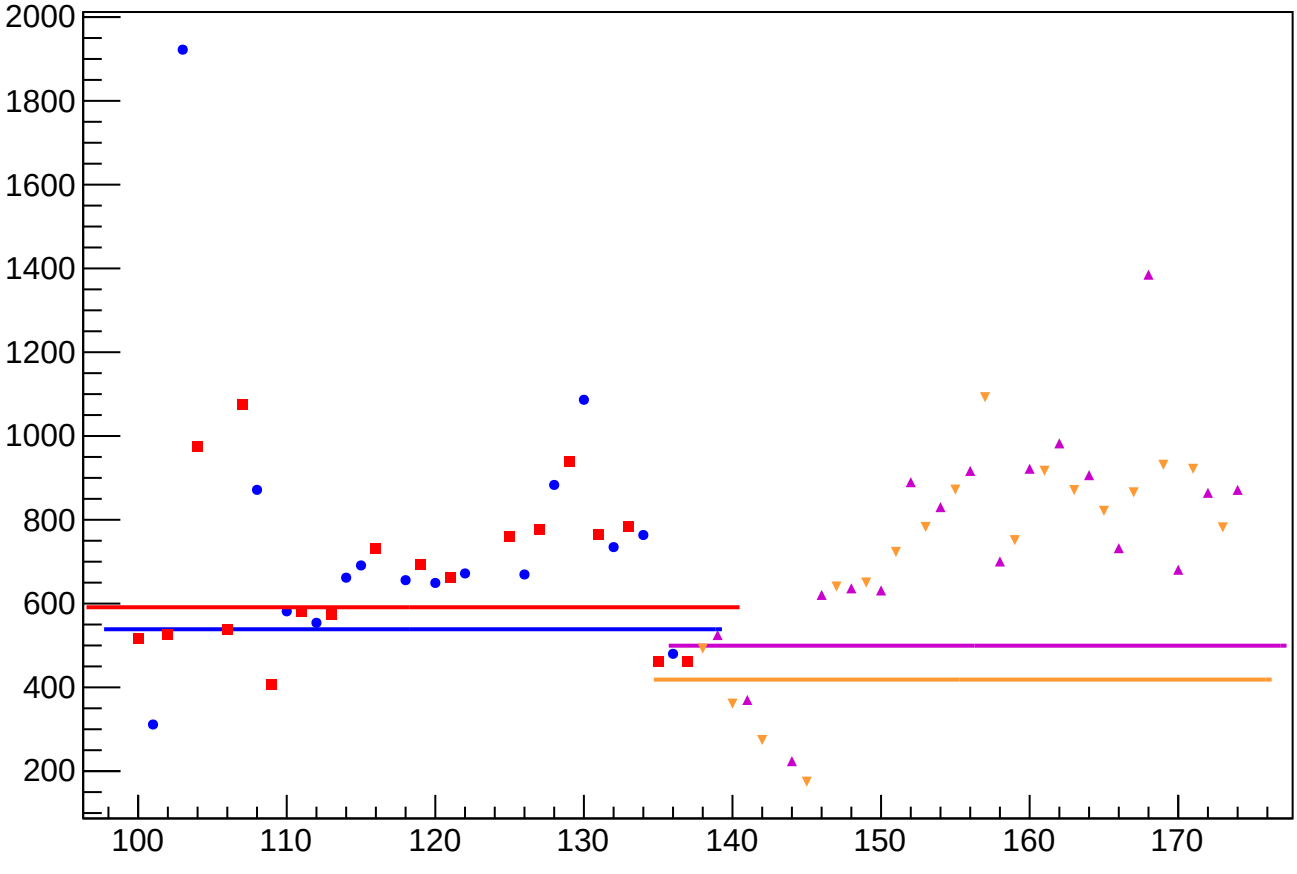
Right: 65.191+/-161.624 χ^2/NDF: 35.8/33

In: 143.114+/-122.705 χ^2/NDF:29.7/33

Out: 26.614+/-117.220 χ^2/NDF:34.8/35

All: 82.202+/-84.760 χ^2/NDF: 65.0/69

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.703+/-0.156 χ^2/NDF: 1858892.9/15

Left Out: 418.560+/-0.095 χ^2/NDF:8368857.6/17

Right Out: 591.241+/-0.168 χ^2/NDF: 844536.8/17

Left In: 499.495+/-0.105 χ^2/NDF:6563485.9/17

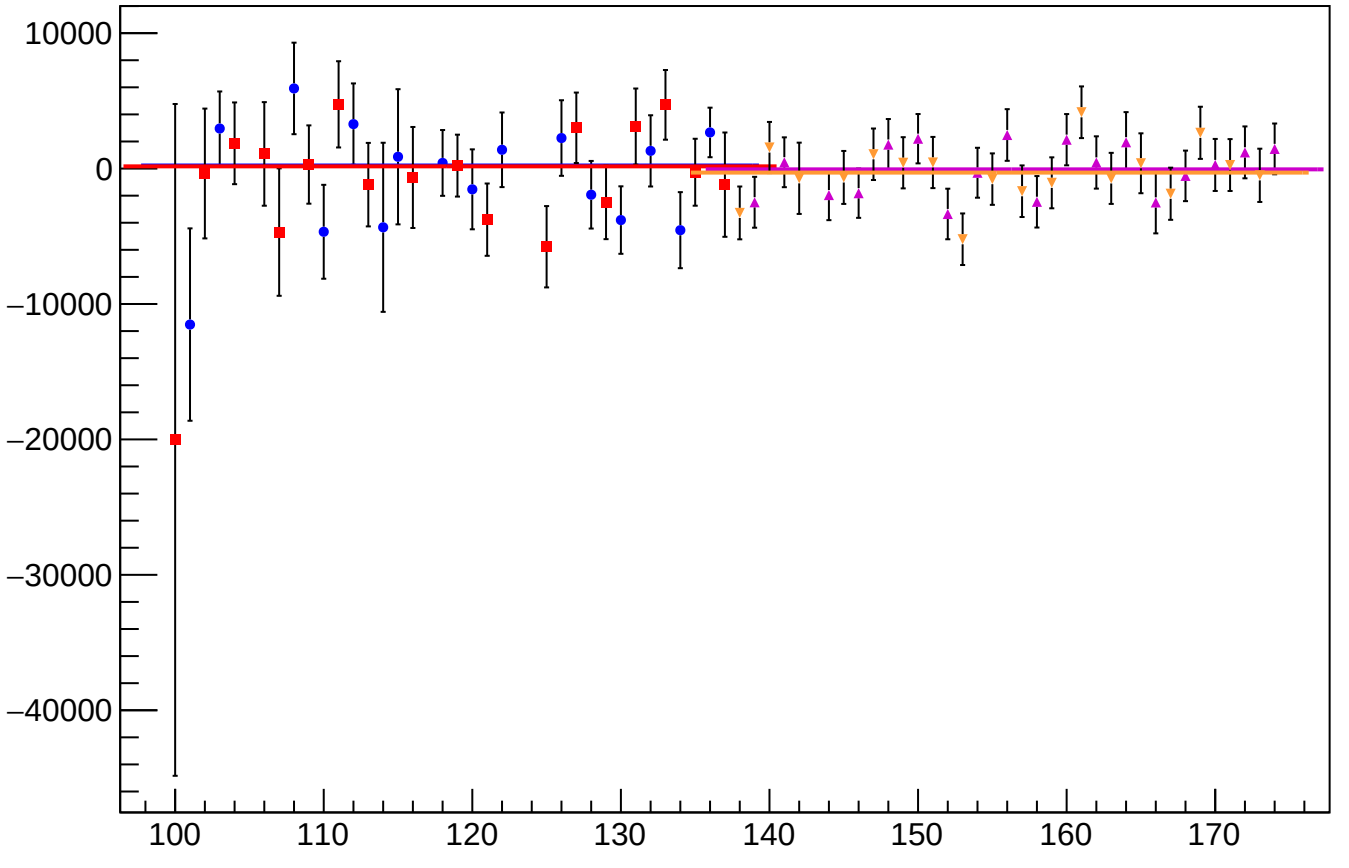
Left: 455.261+/-0.070 χ^2/NDF: 15259990.8/35

Right: 562.892+/-0.114 χ^2/NDF: 2755931.5/33

In: 511.690+/-0.087 χ^2/NDF:8466135.9/33

Out: 460.379+/-0.083 χ^2/NDF:10009945.8/35

All: 484.862+/-0.060 χ^2/NDF: 18658931.7/69



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -296.934+/-459.928 χ^2/NDF:20.3/17

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -57.676+/-449.847 χ^2/NDF:17.2/17

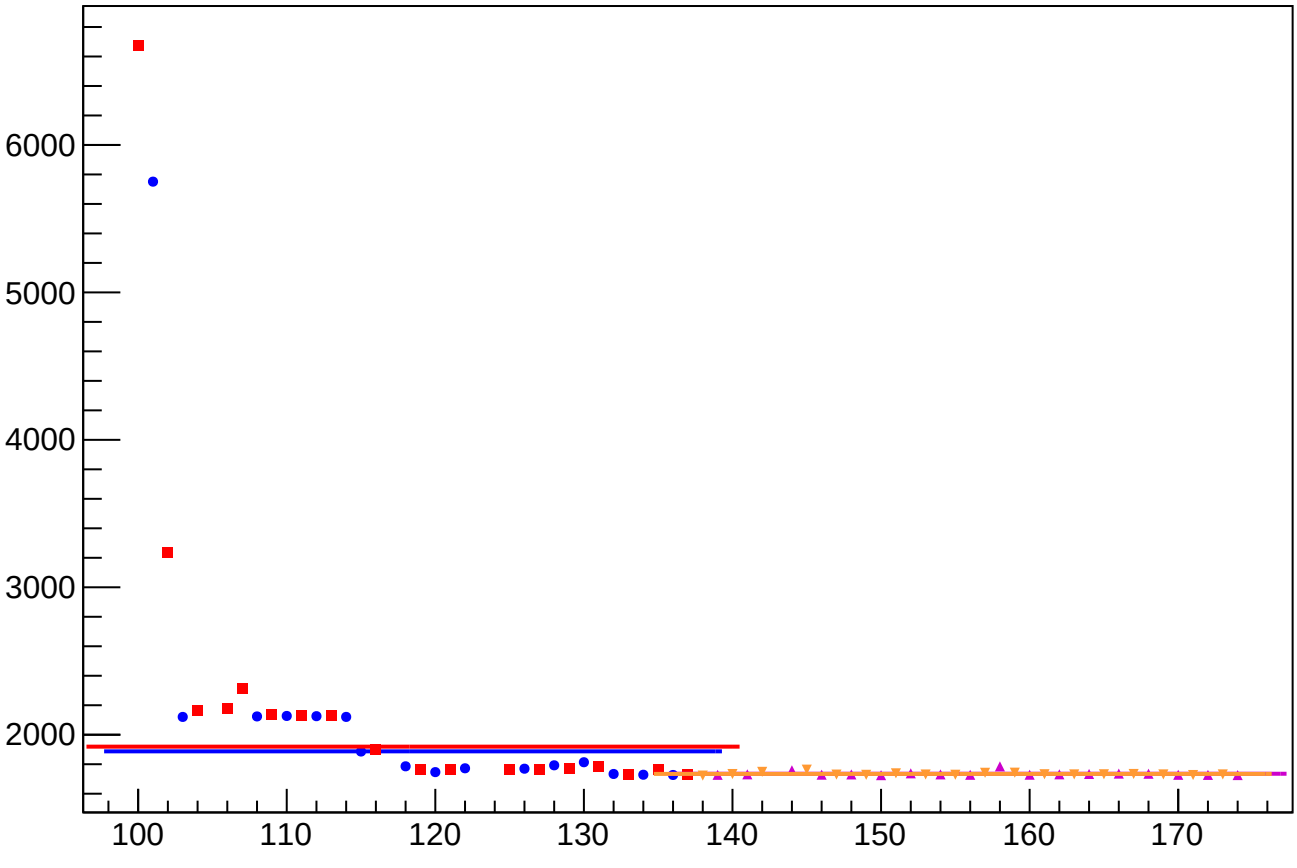
Left: -174.654+/-321.595 χ^2/NDF: 37.7/35

Right: 195.282+/-510.637 χ^2/NDF: 36.4/33

In: 22.264+/-381.291 χ^2/NDF:36.8/33

Out: -164.955+/-388.494 χ^2/NDF:37.6/35

All: -69.594+/-272.124 χ^2/NDF: 74.5/69



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.6/15

Left Out: 1734.261+/-0.325 χ^2/NDF:753.1/17

Right Out: 1919.164+/-0.513 χ^2/NDF: 352567.1/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

Left: 1734.833+/-0.227 χ^2/NDF: 2767.8/35

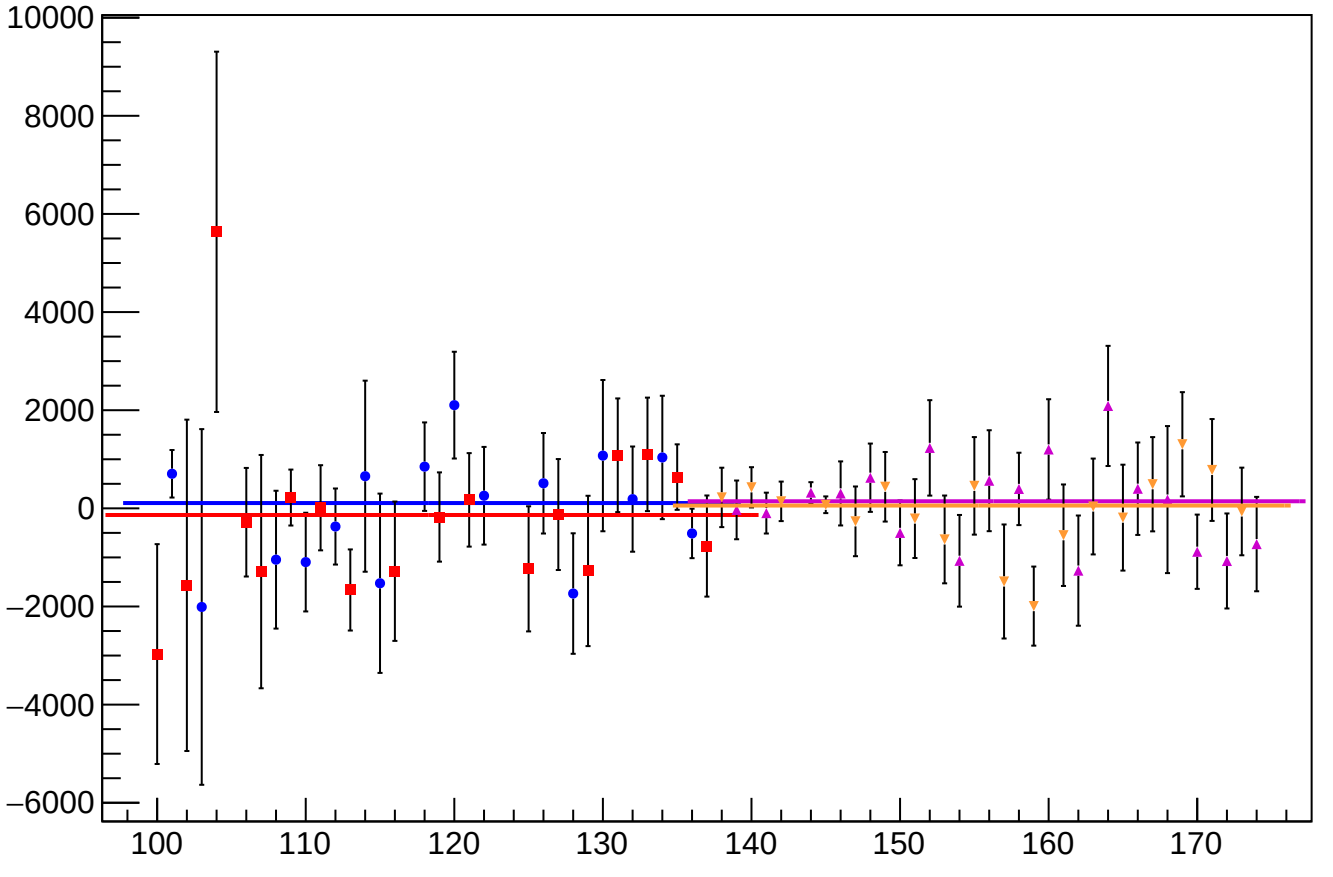
Right: 1903.077+/-0.361 χ^2/NDF: 1043955.3/33

In: 1778.159+/-0.270 χ^2/NDF:755687.4/33

Out: 1787.237+/-0.275 χ^2/NDF:445934.5/35

All: 1782.613+/-0.192 χ^2/NDF: 1202178.2/69

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.131+/-231.711 χ^2/NDF: 14.2/15

Left Out: 57.051+/-122.751 χ^2/NDF:13.0/17

Right Out: -135.358+/-245.933 χ^2/NDF: 14.4/17

Left In: 144.363+/-140.978 χ^2/NDF:15.3/17

Left: 94.701+/-92.576 χ^2/NDF: 28.6/35

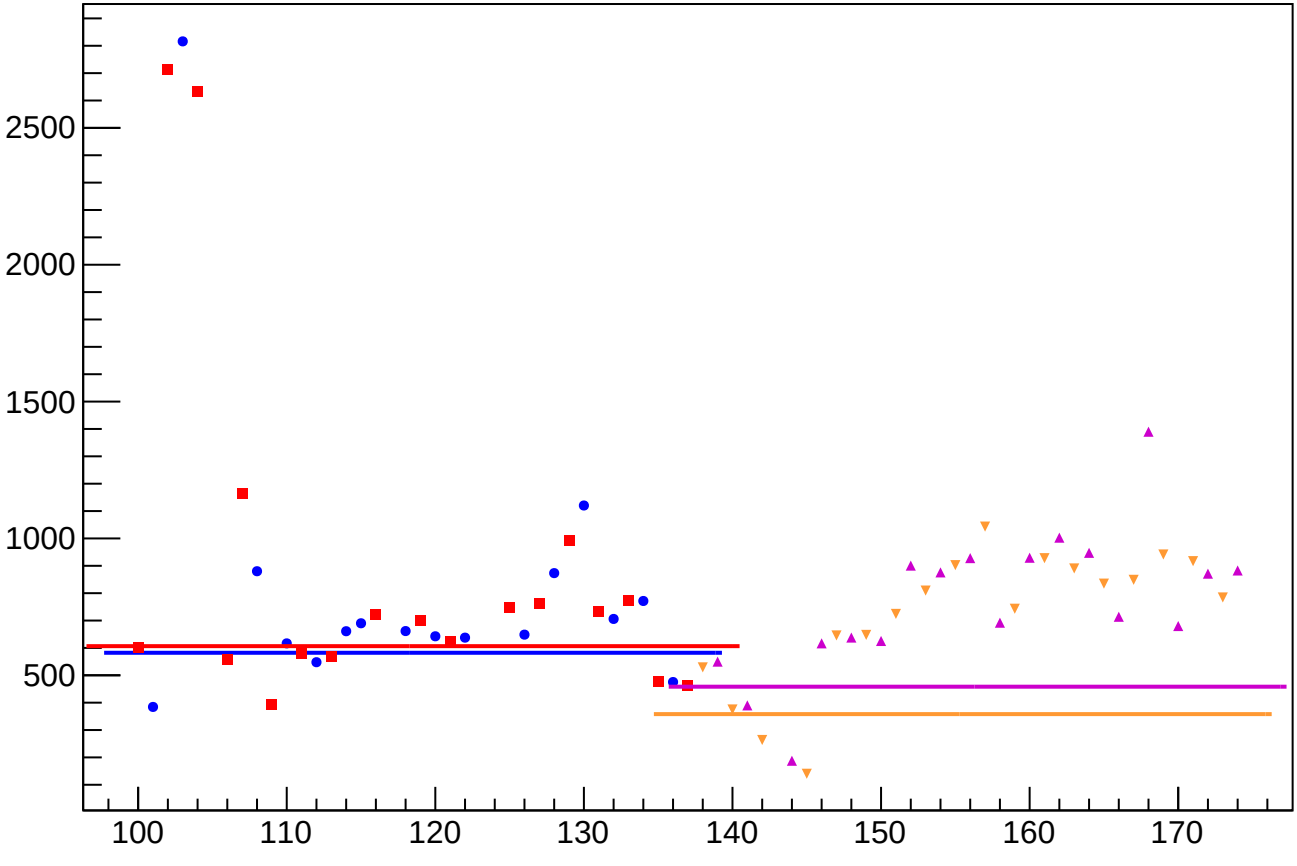
Right: -6.369+/-168.648 χ^2/NDF: 29.0/33

In: 134.574+/-120.438 χ^2/NDF:29.5/33

Out: 18.677+/-109.830 χ^2/NDF:27.9/35

All: 71.298+/-81.153 χ^2/NDF: 57.9/69

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.270+/-0.164 χ^2/NDF: 1754301.3/15

Left Out: 358.150+/-0.087 χ^2/NDF:10635166.8/17

Right Out: 606.451+/-0.174 χ^2/NDF: 2198399.5/17

Left In: 458.351+/-0.100 χ^2/NDF:8217483.6/17

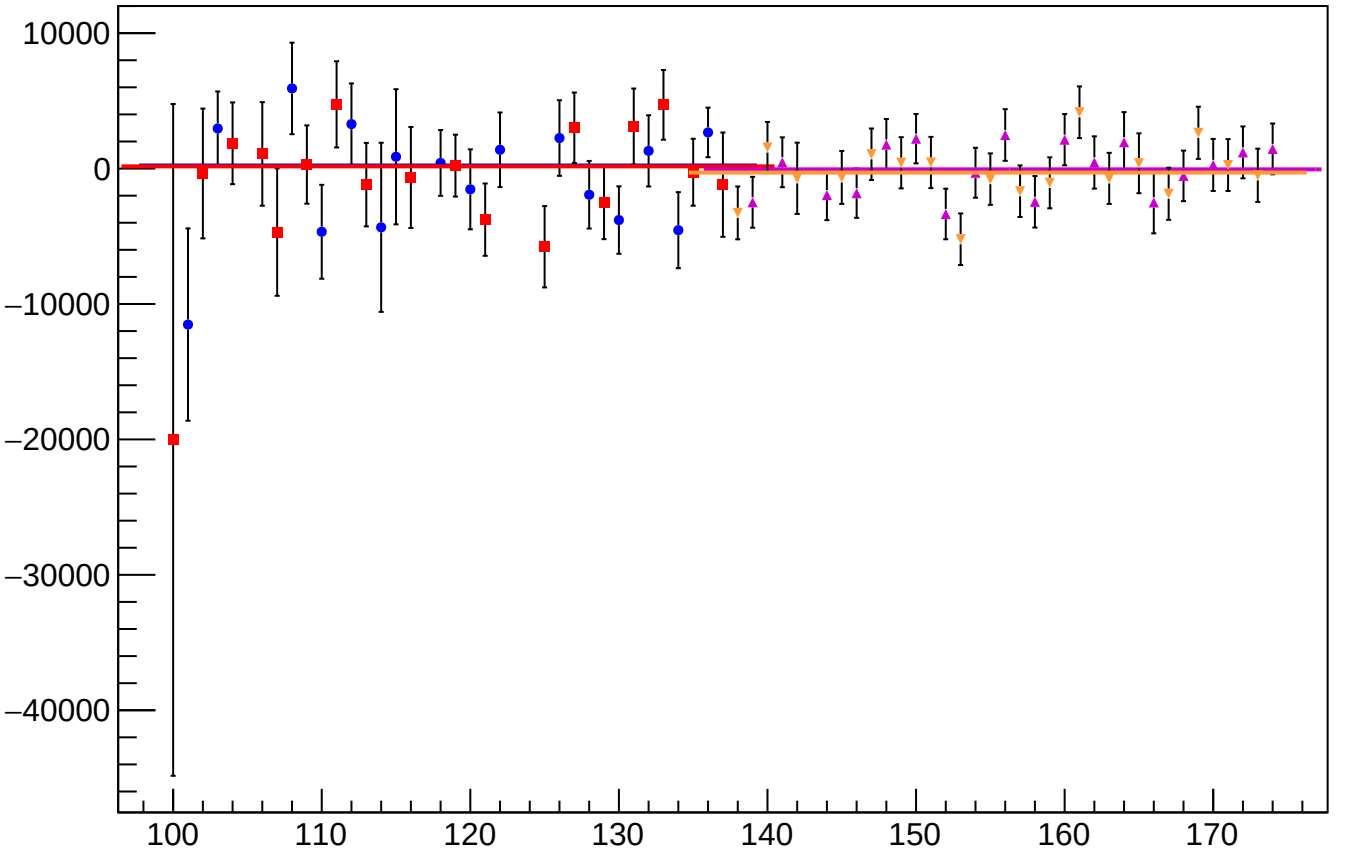
Left: 401.359+/-0.065 χ^2/NDF: 19427324.4/35

Right: 593.641+/-0.119 χ^2/NDF: 3962943.2/33

In: 491.830+/-0.085 χ^2/NDF:10389265.0/33

Out: 407.671+/-0.078 χ^2/NDF:14465660.1/35

All: 445.882+/-0.057 χ^2/NDF: 25388107.8/69



Right In: 226.227+/-718.556 χ^2/NDF: 19.4/15

Left Out: -296.937+/-459.928 χ^2/NDF:20.3/17

Right Out: 163.711+/-725.798 χ^2/NDF: 17.0/17

Left In: -57.675+/-449.847 χ^2/NDF:17.2/17

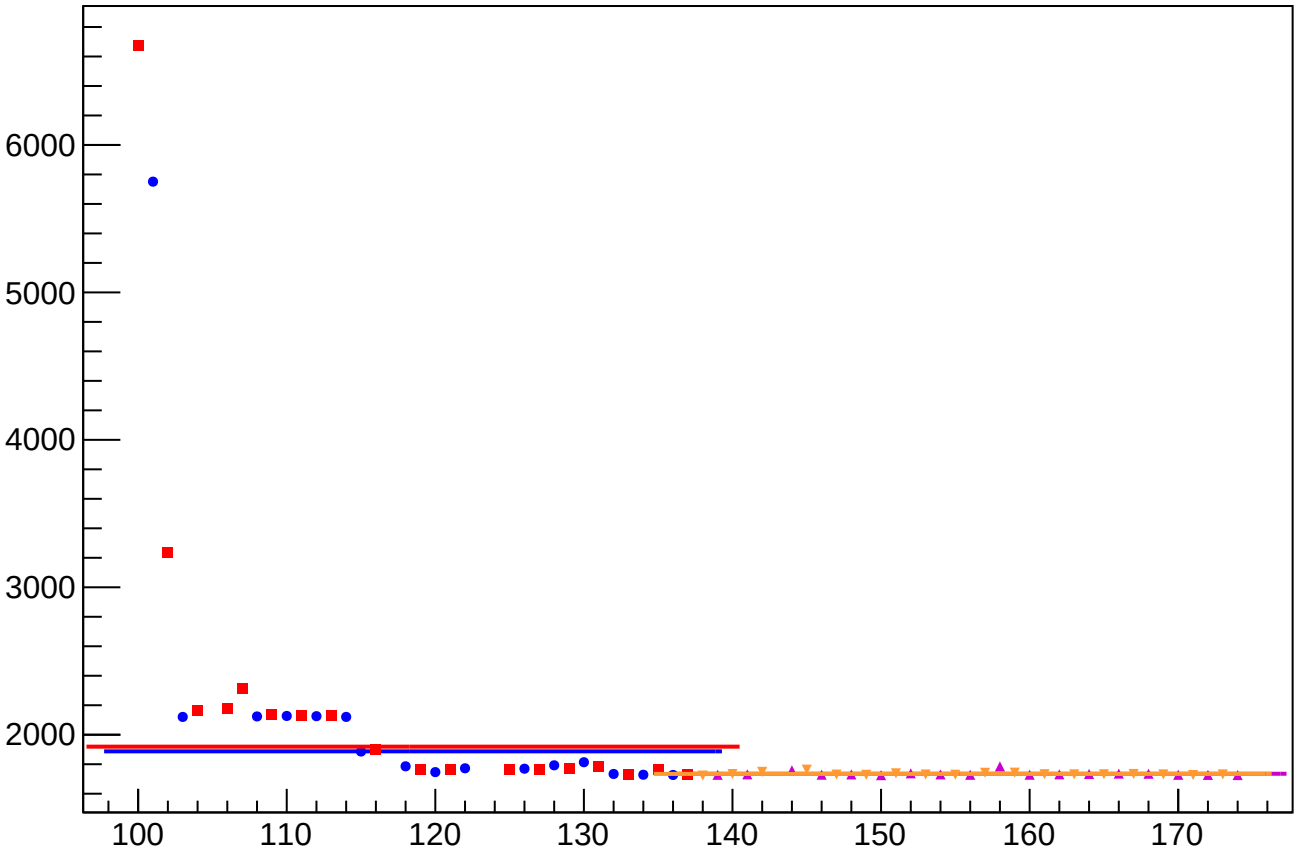
Left: -174.655+/-321.595 χ^2/NDF: 37.7/35

Right: 195.283+/-510.637 χ^2/NDF: 36.4/33

In: 22.264+/-381.291 χ^2/NDF:36.8/33

Out: -164.957+/-388.494 χ^2/NDF:37.6/35

All: -69.595+/-272.124 χ^2/NDF: 74.5/69



Right In: 1887.310+/-0.508 χ^2/NDF: 689442.4/15

Left Out: 1734.261+/-0.325 χ^2/NDF:753.1/17

Right Out: 1919.164+/-0.513 χ^2/NDF: 352566.4/17

Left In: 1735.380+/-0.318 χ^2/NDF:2008.7/17

Left: 1734.833+/-0.227 χ^2/NDF: 2767.8/35

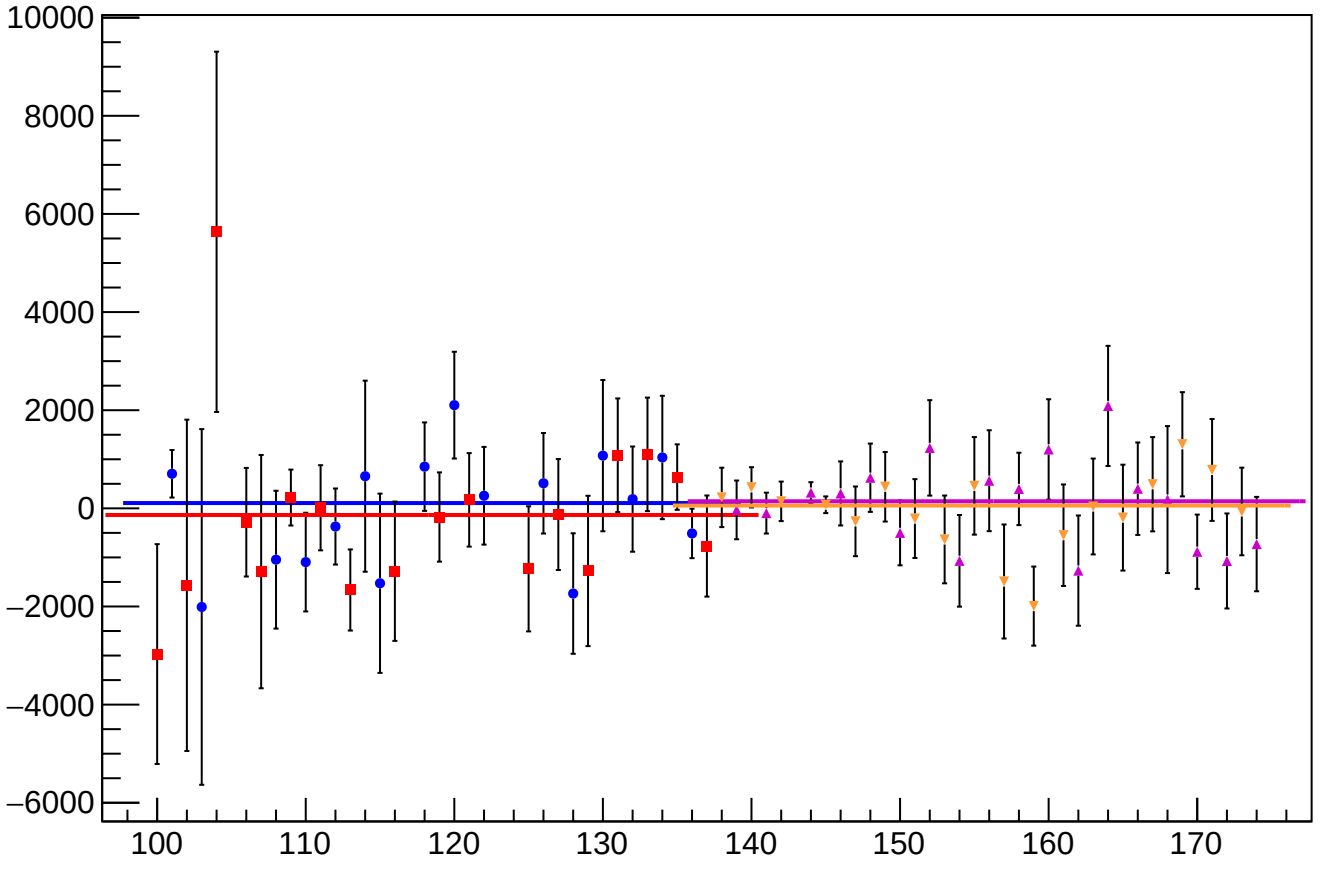
Right: 1903.077+/-0.361 χ^2/NDF: 1043954.3/33

In: 1778.159+/-0.270 χ^2/NDF:755687.1/33

Out: 1787.237+/-0.275 χ^2/NDF:445933.7/35

All: 1782.613+/-0.192 χ^2/NDF: 1202176.9/69

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 108.128+/-231.710 χ^2/NDF: 14.2/15

Left Out: 57.049+/-122.751 χ^2/NDF:13.0/17

Right Out: -135.356+/-245.932 χ^2/NDF: 14.4/17

Left In: 144.363+/-140.978 χ^2/NDF:15.3/17

Left: 94.700+/-92.576 χ^2/NDF: 28.6/35

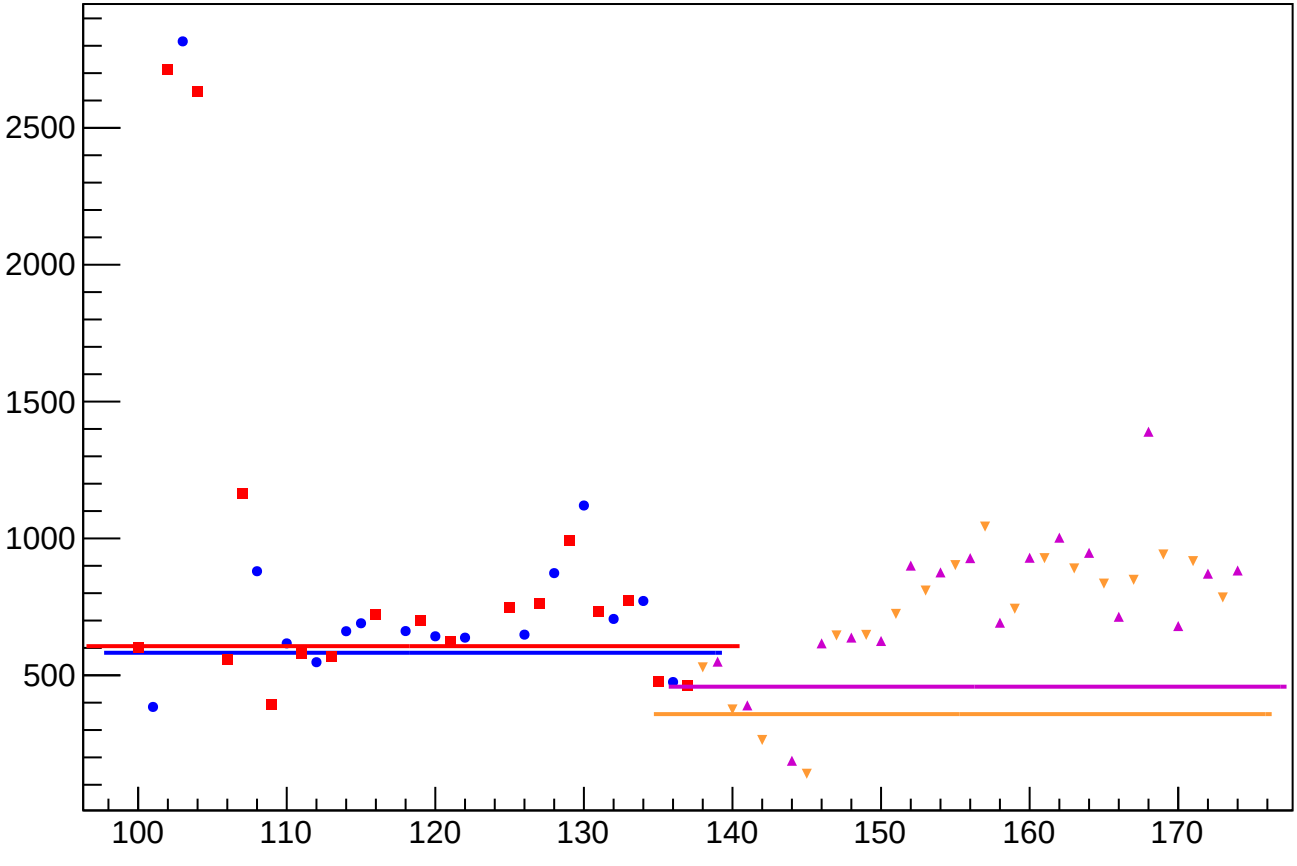
Right: -6.371+/-168.647 χ^2/NDF: 29.0/33

In: 134.573+/-120.438 χ^2/NDF:29.5/33

Out: 18.676+/-109.830 χ^2/NDF:27.9/35

All: 71.297+/-81.153 χ^2/NDF: 57.9/69

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 582.268+/-0.164 χ^2/NDF: 1754289.3/15

Left Out: 358.150+/-0.087 χ^2/NDF:10635204.0/17

Right Out: 606.447+/-0.174 χ^2/NDF: 2198414.3/17

Left In: 458.352+/-0.100 χ^2/NDF:8217506.0/17

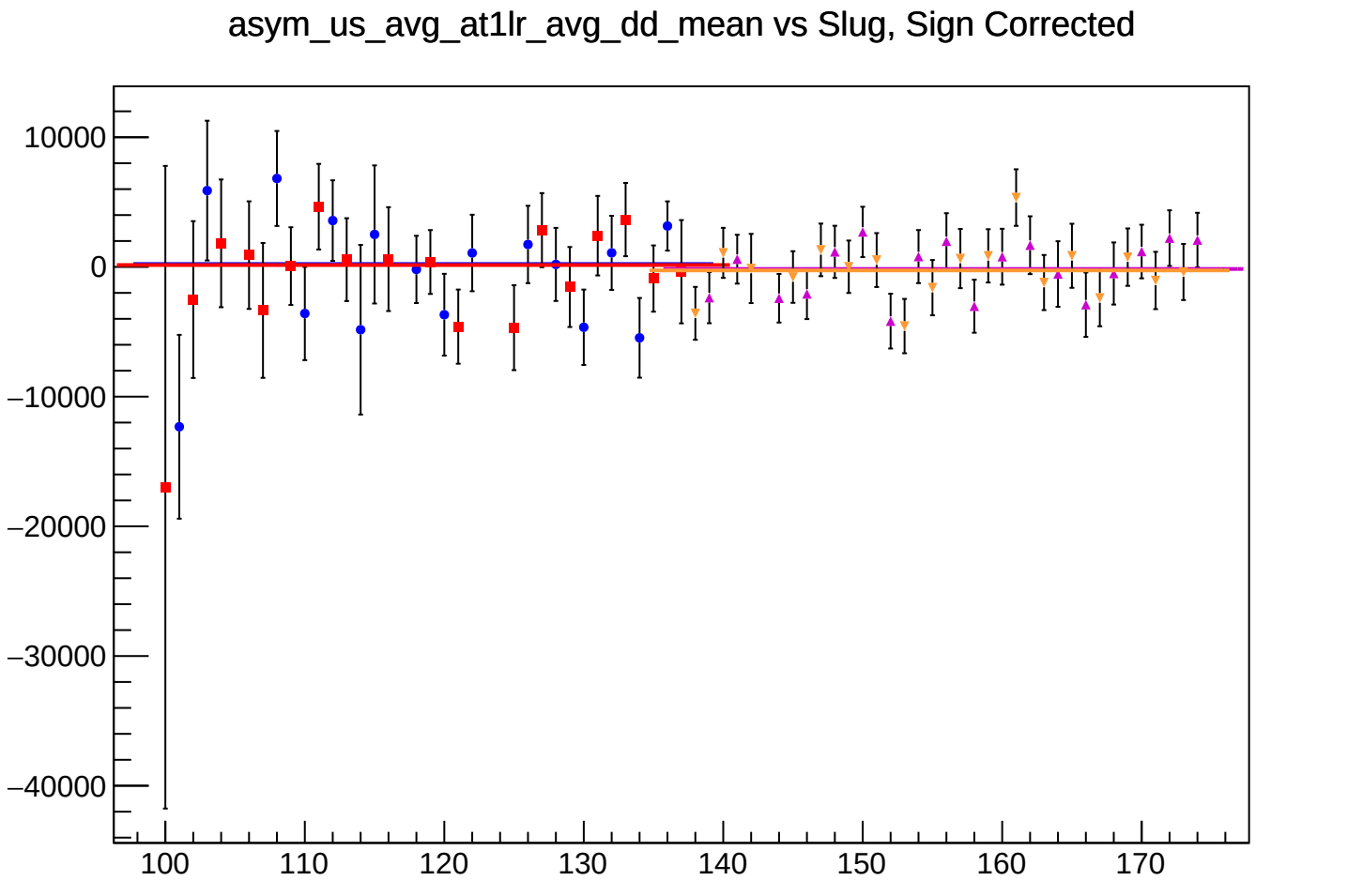
Left: 401.359+/-0.065 χ^2/NDF: 19427389.5/35

Right: 593.638+/-0.119 χ^2/NDF: 3962944.4/33

In: 491.830+/-0.085 χ^2/NDF:10389261.0/33

Out: 407.671+/-0.078 χ^2/NDF:14465677.3/35

All: 445.882+/-0.057 χ^2/NDF: 25388127.1/69



Right In: 224.521+/-791.678 χ^2/NDF: 21.2/15

Left Out: -265.913+/-504.617 χ^2/NDF:17.3/17

Right Out: 147.974+/-794.180 χ^2/NDF: 11.6/17

Left In: -155.736+/-493.520 χ^2/NDF:18.2/17

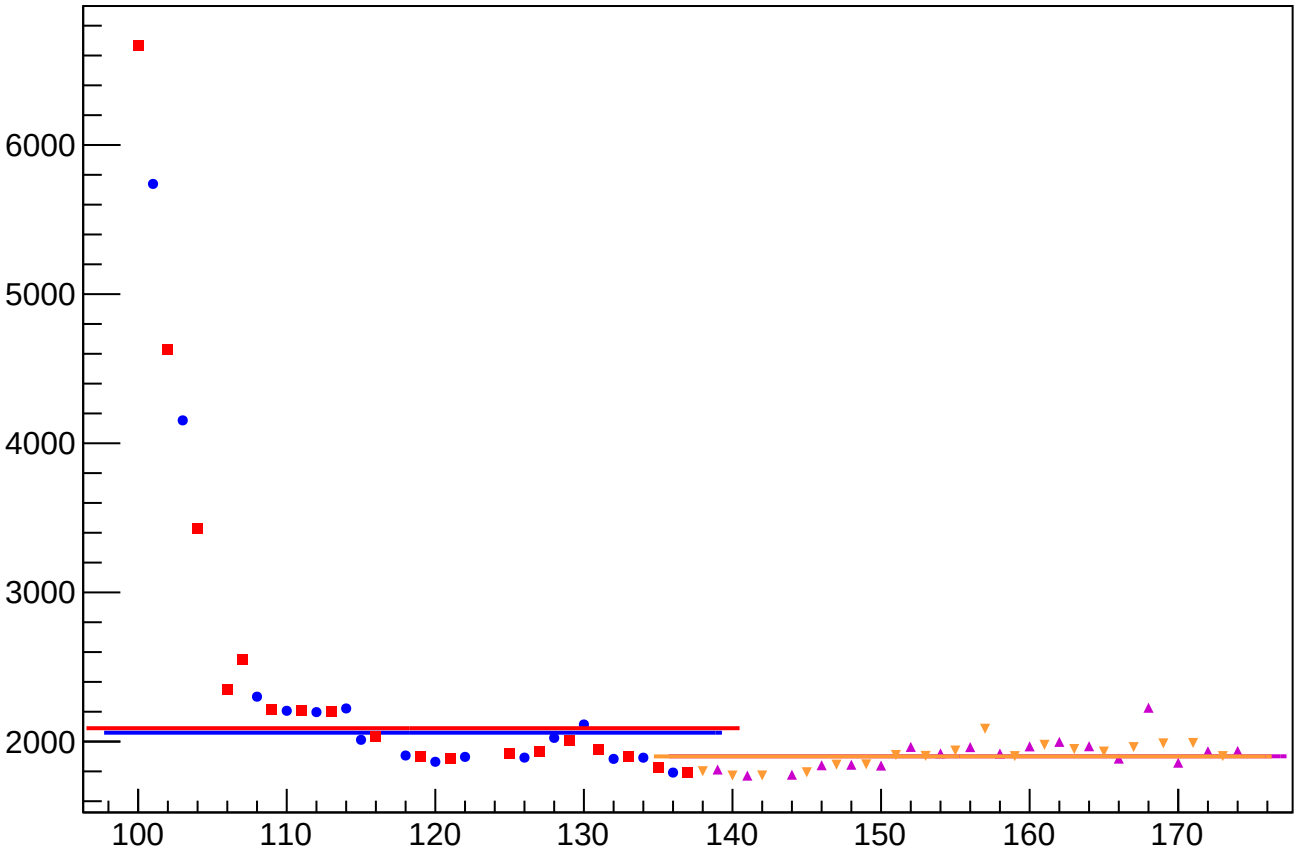
Left: -209.600+/-352.829 χ^2/NDF: 35.5/35

Right: 186.369+/-560.683 χ^2/NDF: 32.7/33

In: -49.319+/-418.808 χ^2/NDF:39.5/33

Out: -146.875+/-425.913 χ^2/NDF:29.1/35

All: -97.277+/-298.622 χ^2/NDF: 68.6/69



Right In: 2059.496+/-0.560 χ^2/NDF: 939873.6/15

Left Out: 1900.370+/-0.357 χ^2/NDF:52767.6/17

Right Out: 2089.476+/-0.562 χ^2/NDF: 681465.8/17

Left In: 1901.199+/-0.349 χ^2/NDF:77537.7/17

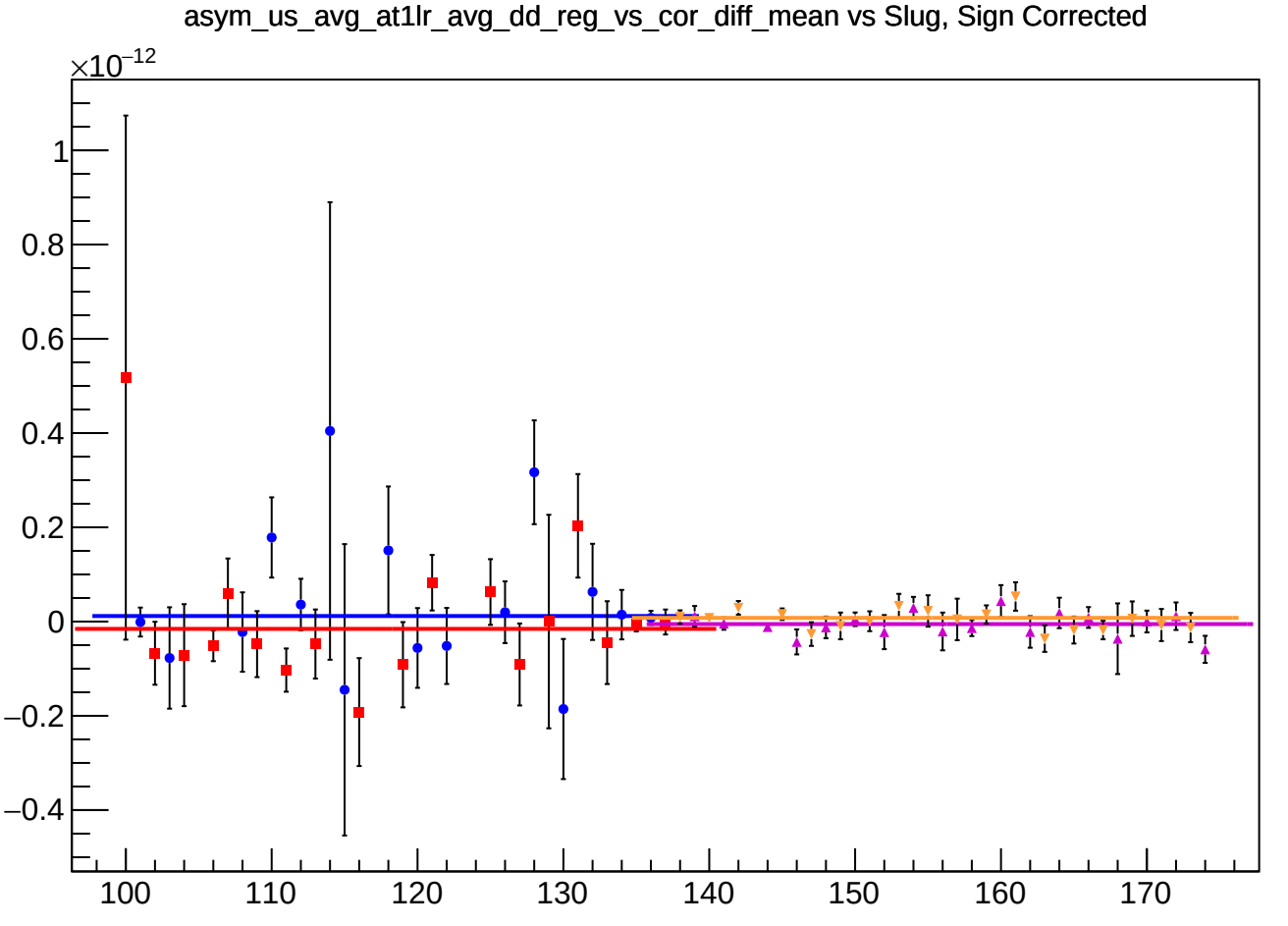
Left: 1900.794+/-0.249 χ^2/NDF: 130308.1/35

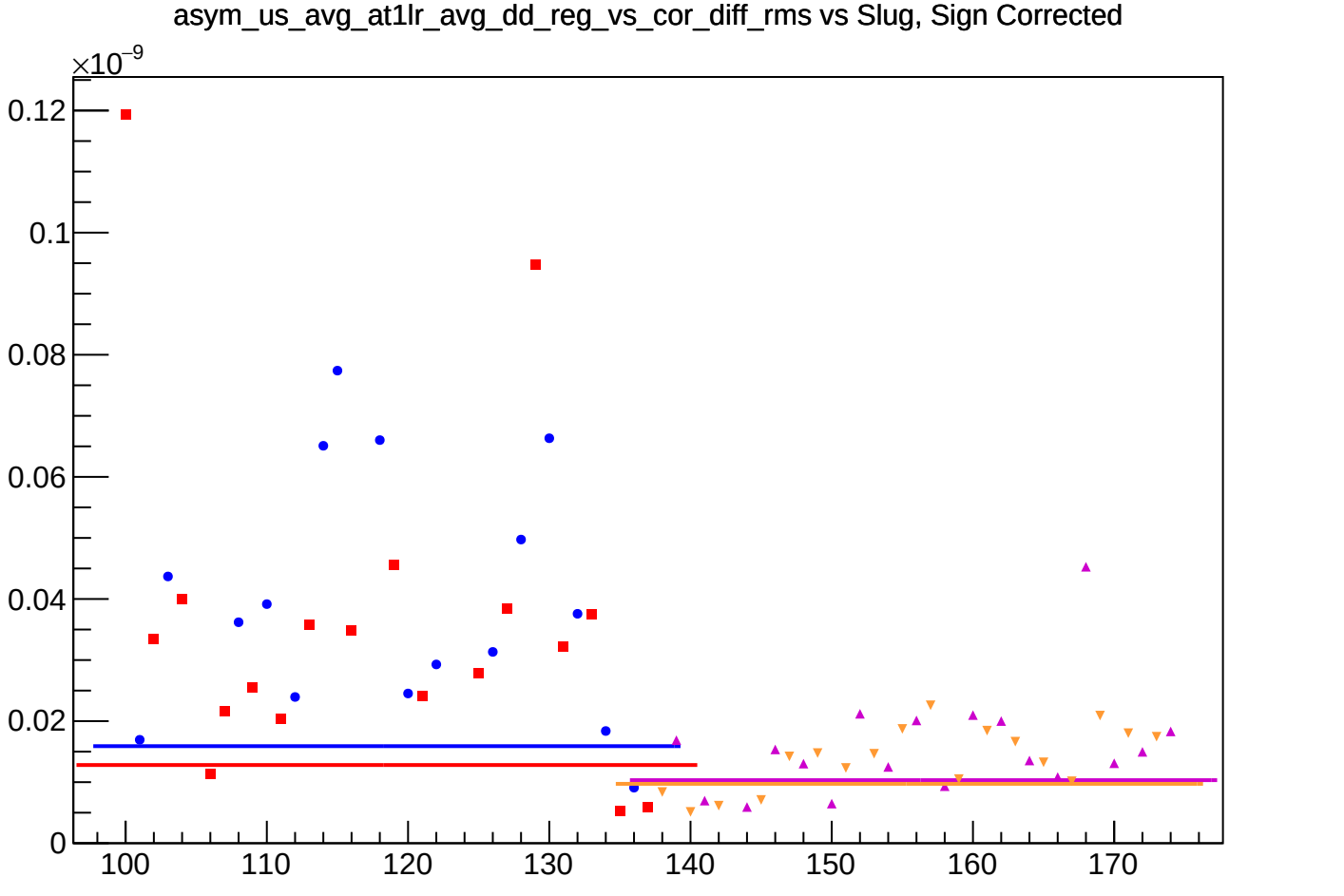
Right: 2074.439+/-0.396 χ^2/NDF: 1622768.9/33

In: 1945.499+/-0.296 χ^2/NDF:1074995.0/33

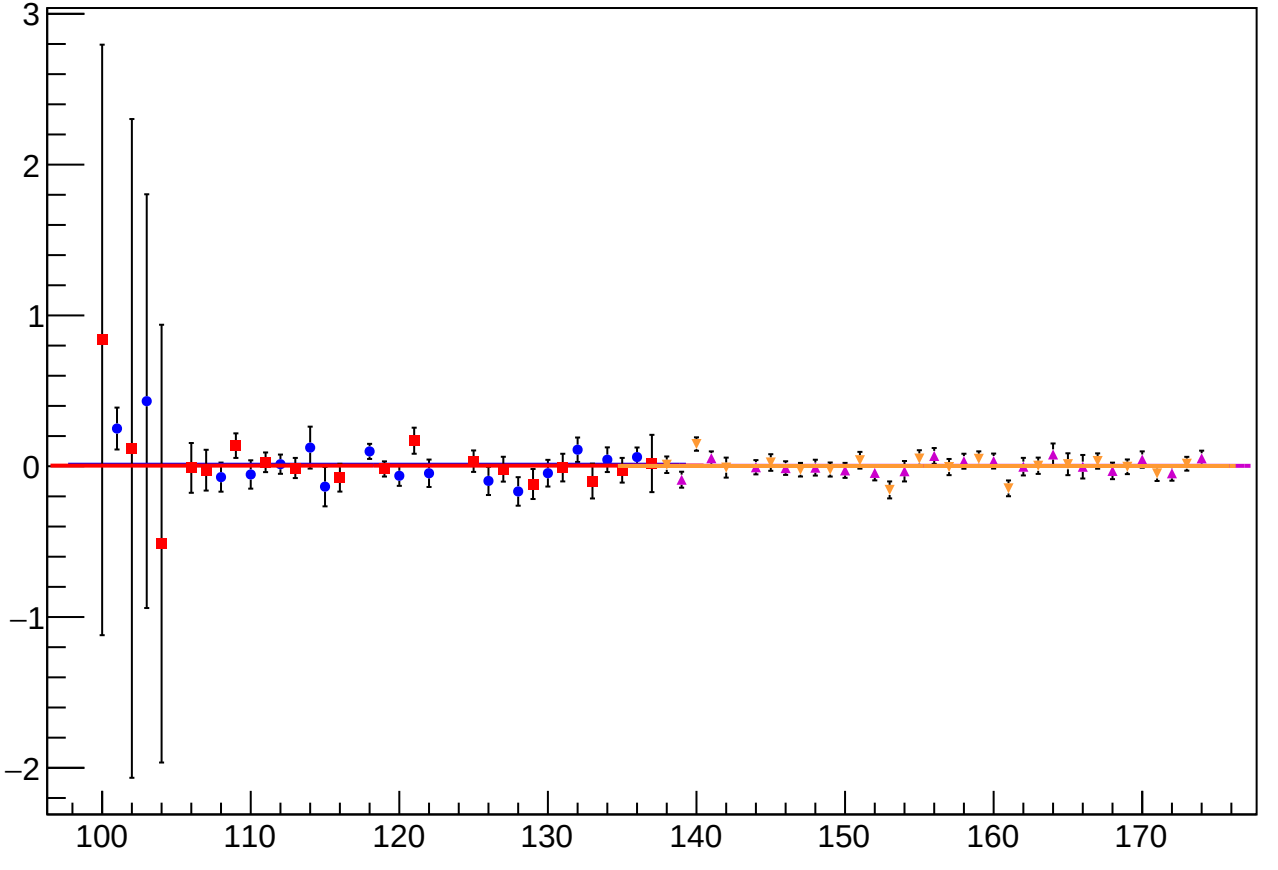
Out: 1954.759+/-0.301 χ^2/NDF:815017.0/35

All: 1950.051+/-0.211 χ^2/NDF: 1890492.7/69


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 18.0/15
Left Out: 0.000+/-0.000 χ²/NDF:14.1/17
Right Out: -0.000+/-0.000 χ²/NDF: 20.7/17
Left In: -0.000+/-0.000 χ²/NDF:13.8/17
Left: 0.000+/-0.000 χ²/NDF: 31.8/35
Right: -0.000+/-0.000 χ²/NDF: 41.8/33
In: -0.000+/-0.000 χ²/NDF:33.7/33
Out: 0.000+/-0.000 χ²/NDF:38.9/35
All: 0.000+/-0.000 χ²/NDF: 73.8/69


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1935582.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1987737.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 2486058.2/17
Left In: 0.000+/-0.000 χ²/NDF:2379888.9/17
Left: 0.000+/-0.000 χ²/NDF: 4383999.8/35
Right: 0.000+/-0.000 χ²/NDF: 4498662.7/33
In: 0.000+/-0.000 χ²/NDF:4710751.3/33
Out: 0.000+/-0.000 χ²/NDF:4614102.7/35
All: 0.000+/-0.000 χ²/NDF: 9370709.1/69

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.002+/-0.009 χ^2/NDF: 43.5/35

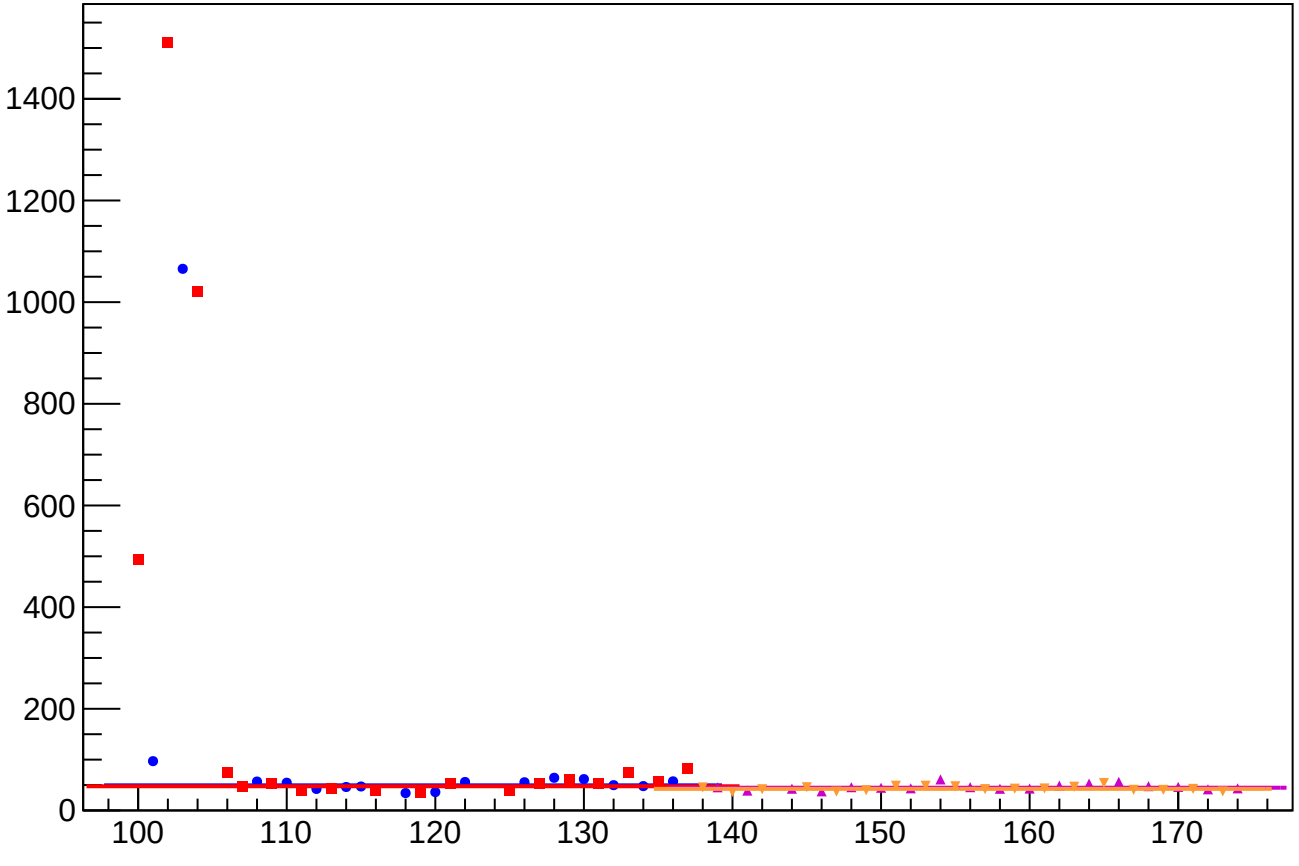
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.003+/-0.008 χ^2/NDF: 72.6/69

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.493+/-0.009 χ^2/NDF:244870.9/17

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.730+/-0.009 χ^2/NDF:306466.6/17

Left: 43.597+/-0.006 χ^2/NDF: 584152.7/35

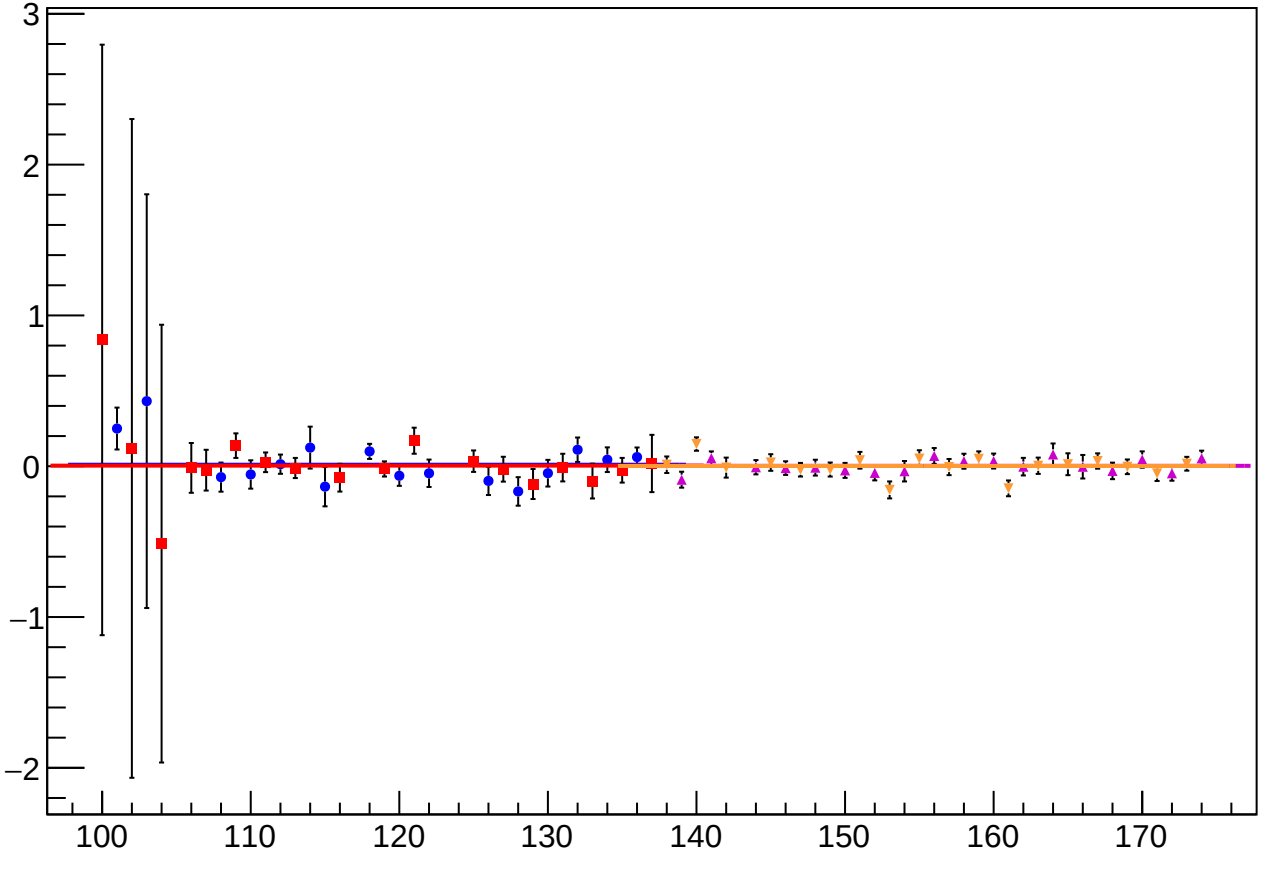
Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.928+/-0.008 χ^2/NDF:2154821.4/33

Out: 43.748+/-0.008 χ^2/NDF:2748257.2/35

All: 44.834+/-0.005 χ^2/NDF: 4944811.7/69

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.002+/-0.009 χ^2/NDF: 43.5/35

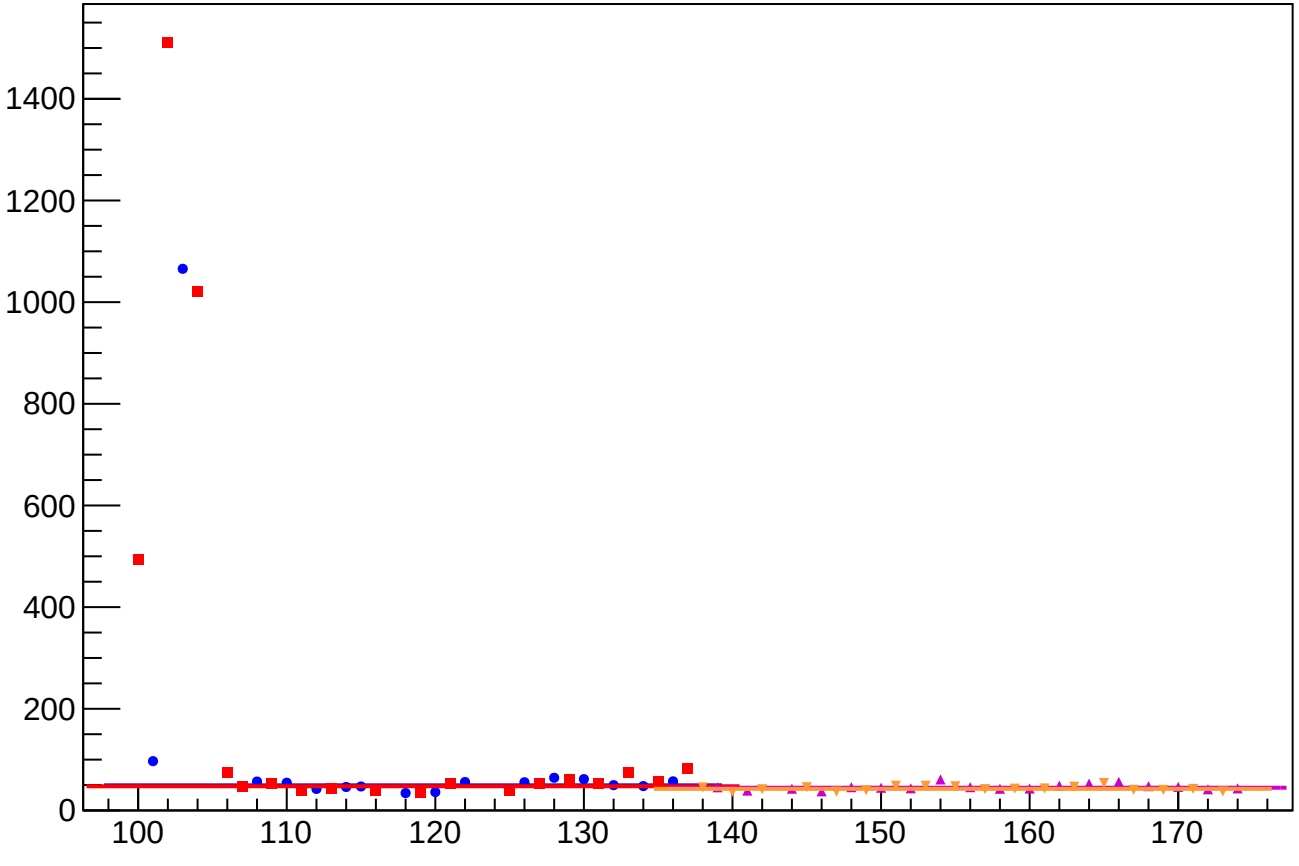
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.003+/-0.008 χ^2/NDF: 72.6/69

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776998.3/15

Left Out: 42.493+/-0.009 χ^2/NDF:244870.9/17

Right Out: 47.599+/-0.015 χ^2/NDF: 2418219.3/17

Left In: 44.730+/-0.009 χ^2/NDF:306466.6/17

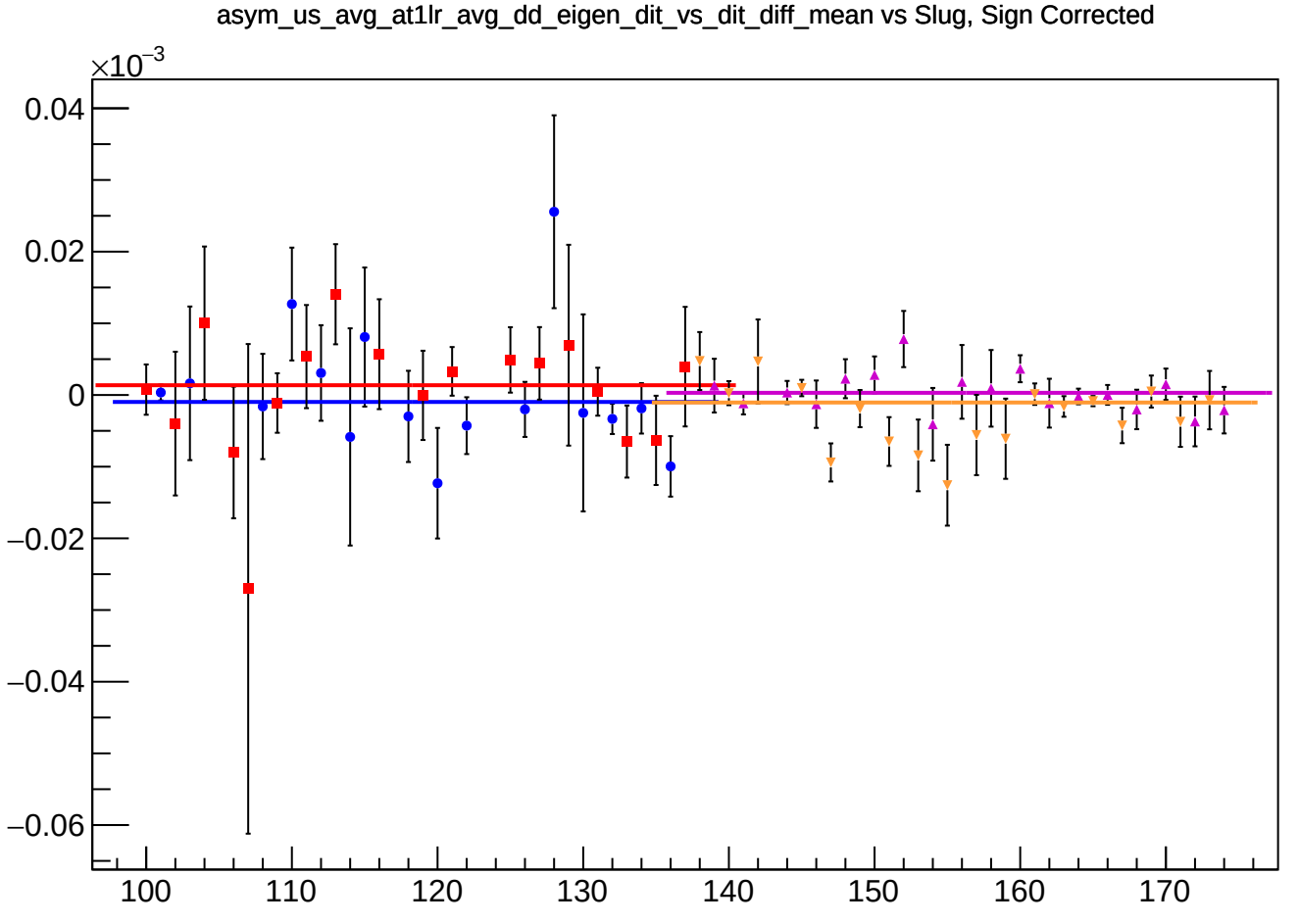
Left: 43.597+/-0.006 χ^2/NDF: 584152.7/35

Right: 48.487+/-0.011 χ^2/NDF: 4201890.6/33

In: 45.928+/-0.008 χ^2/NDF:2154821.4/33

Out: 43.748+/-0.008 χ^2/NDF:2748257.2/35

All: 44.834+/-0.005 χ^2/NDF: 4944811.7/69



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:13.7/17

Left: -0.000+/-0.000 χ^2/NDF: 48.3/35

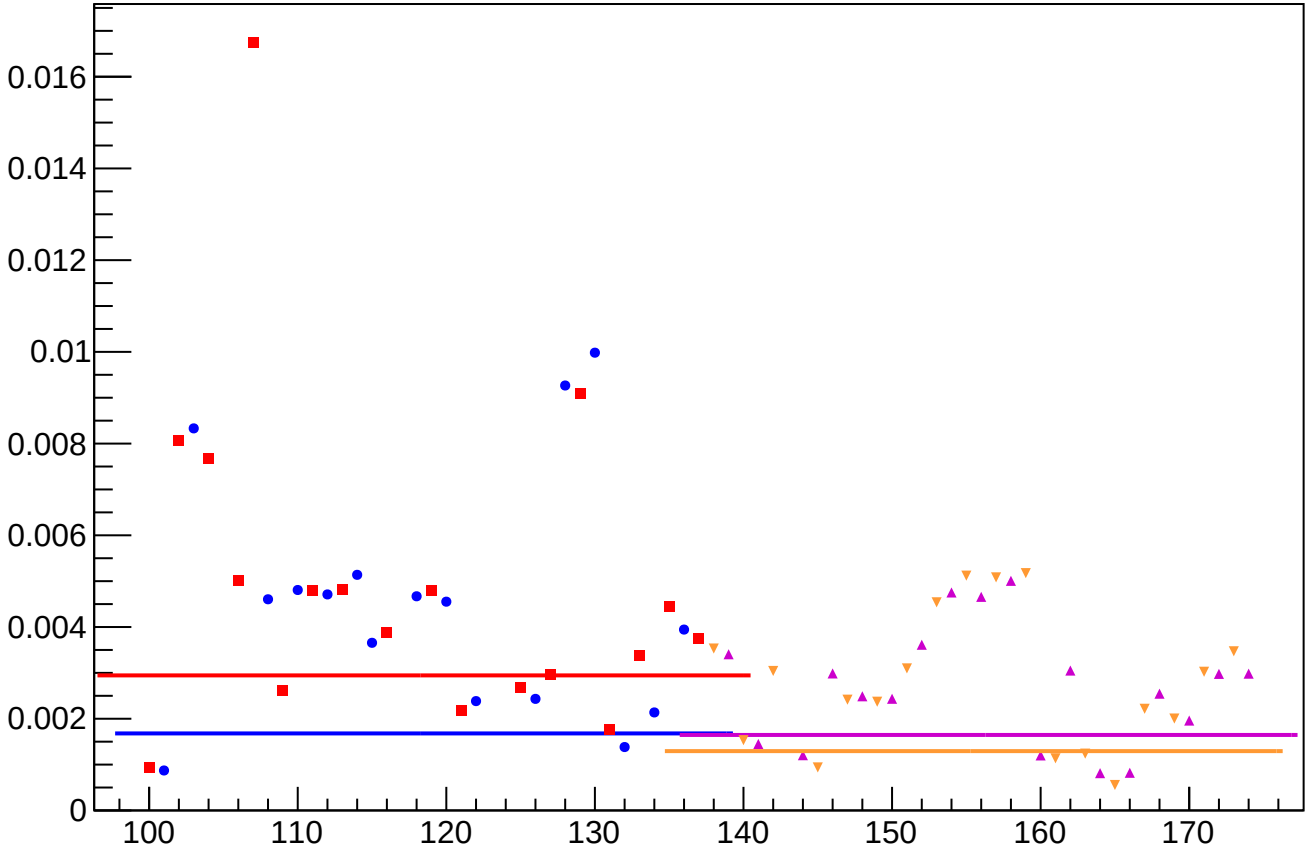
Right: -0.000+/-0.000 χ^2/NDF: 33.6/33

In: -0.000+/-0.000 χ^2/NDF:34.0/33

Out: -0.000+/-0.000 χ^2/NDF:46.5/35

All: -0.000+/-0.000 χ^2/NDF: 82.0/69

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5960235.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:9624313.2/17

Right Out: 0.003+/-0.000 χ^2/NDF: 3379848.5/17

Left In: 0.002+/-0.000 χ^2/NDF:7273224.8/17

Left: 0.001+/-0.000 χ^2/NDF: 17428994.2/35

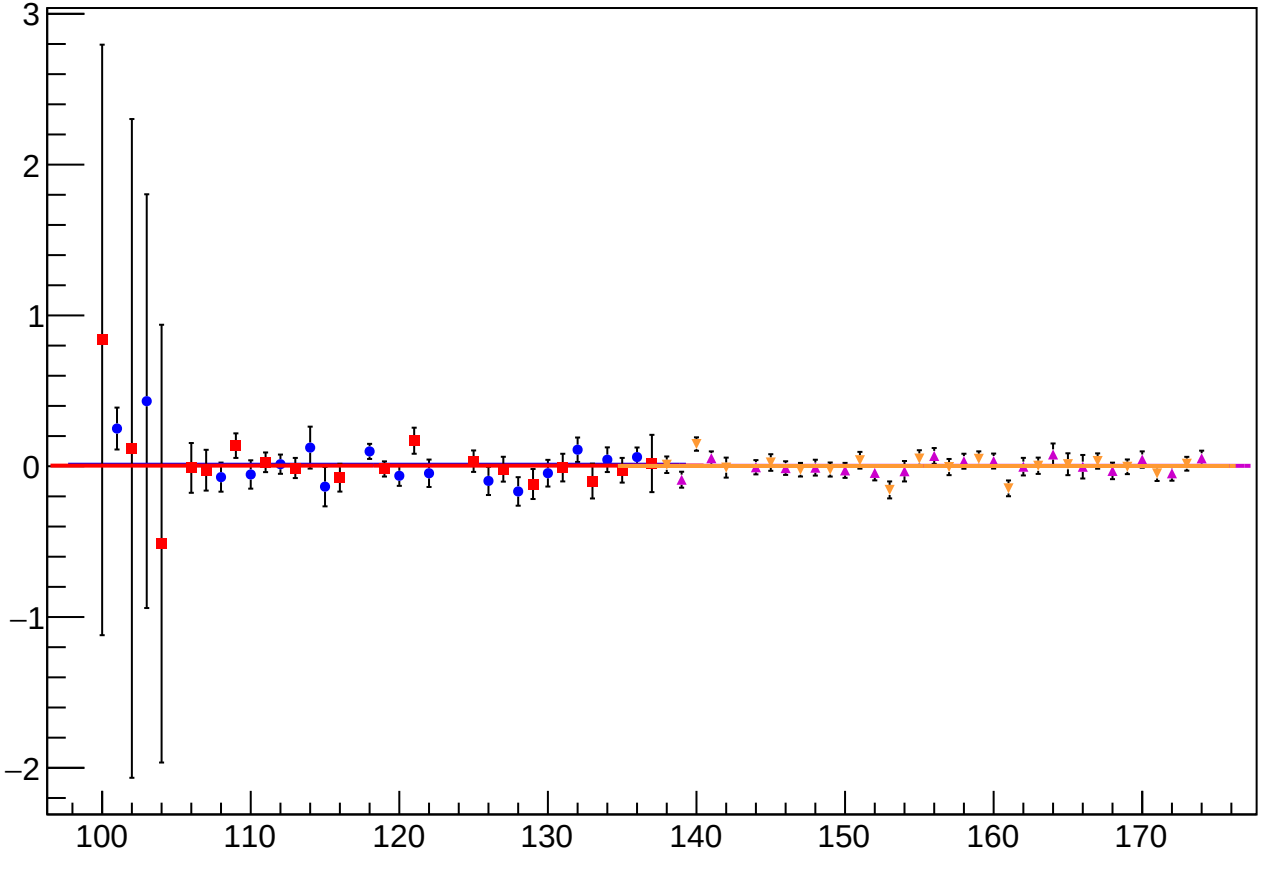
Right: 0.002+/-0.000 χ^2/NDF: 10702272.5/33

In: 0.002+/-0.000 χ^2/NDF:13235767.9/33

Out: 0.001+/-0.000 χ^2/NDF:15938732.1/35

All: 0.002+/-0.000 χ^2/NDF: 29365778.4/69

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.002+/-0.009 χ^2/NDF: 43.5/35

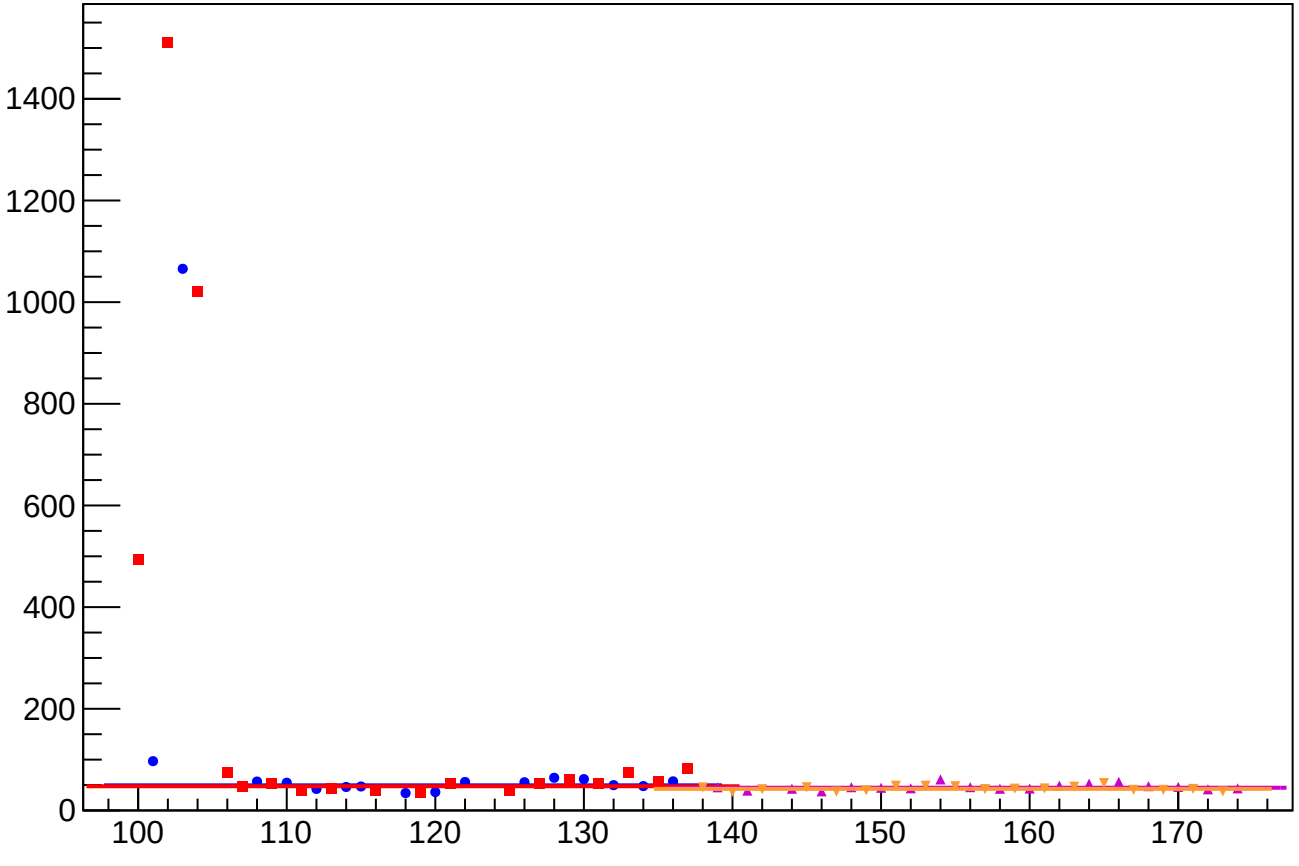
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.003+/-0.008 χ^2/NDF: 72.6/69

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.493+/-0.009 χ^2/NDF:244884.5/17

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.730+/-0.009 χ^2/NDF:306528.4/17

Left: 43.597+/-0.006 χ^2/NDF: 584215.0/35

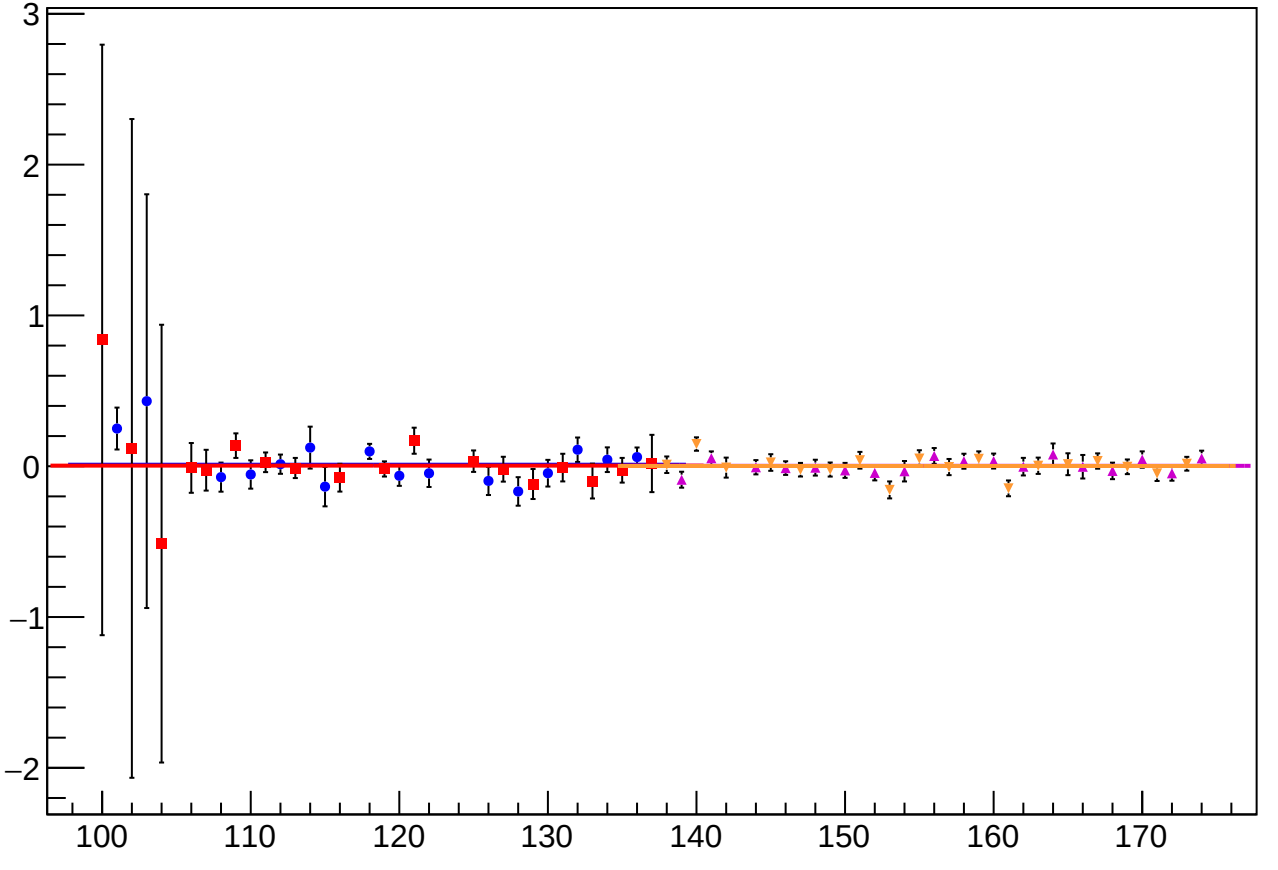
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

In: 45.928+/-0.008 χ^2/NDF:2154831.1/33

Out: 43.748+/-0.008 χ^2/NDF:2748272.4/35

All: 44.834+/-0.005 χ^2/NDF: 4944834.3/69

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.021 χ^2/NDF: 18.4/15

Left Out: 0.002+/-0.012 χ^2/NDF:31.1/17

Right Out: 0.004+/-0.021 χ^2/NDF: 10.5/17

Left In: 0.003+/-0.012 χ^2/NDF:12.4/17

Left: 0.002+/-0.009 χ^2/NDF: 43.5/35

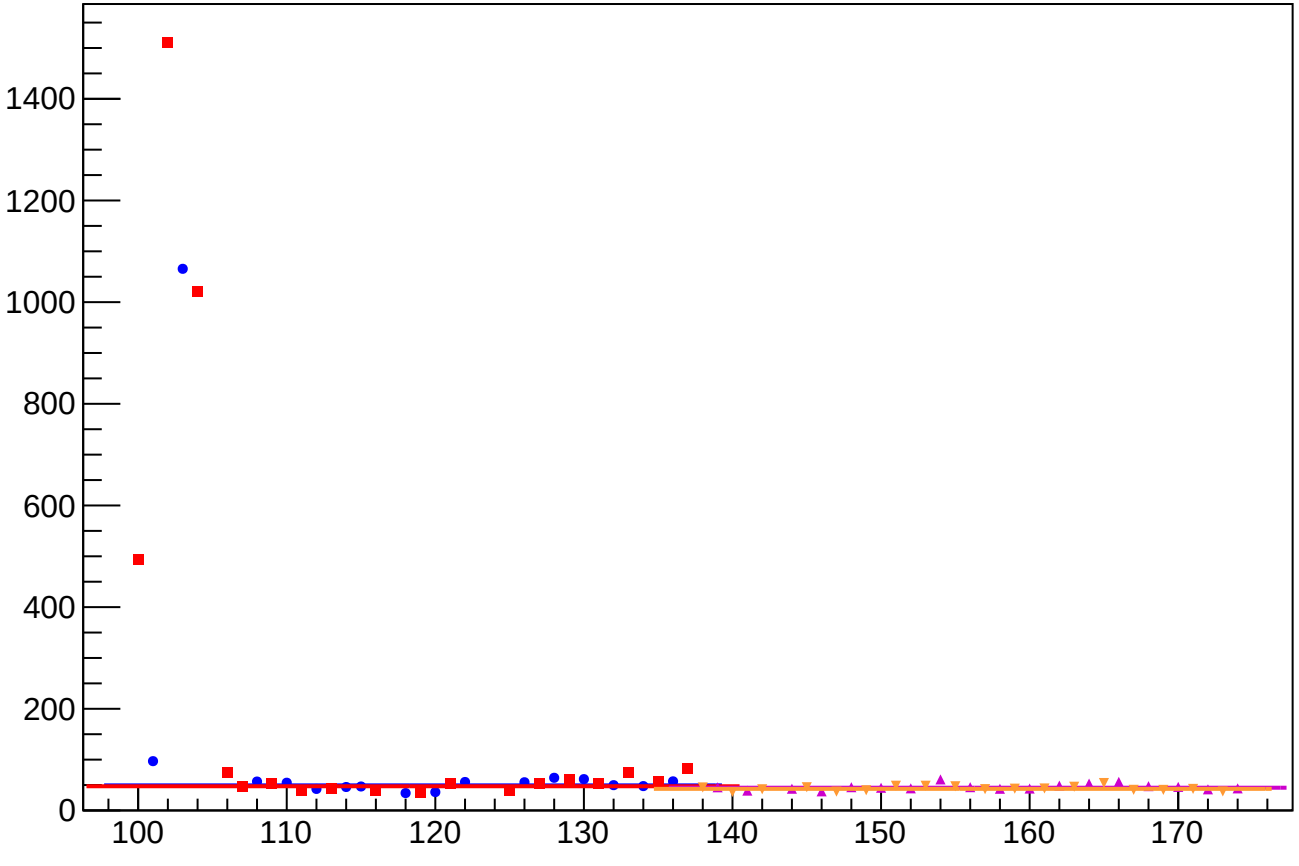
Right: 0.007+/-0.015 χ^2/NDF: 29.0/33

In: 0.005+/-0.011 χ^2/NDF:30.9/33

Out: 0.002+/-0.011 χ^2/NDF:41.6/35

All: 0.003+/-0.008 χ^2/NDF: 72.6/69

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.333+/-0.015 χ^2/NDF: 1776926.6/15

Left Out: 42.493+/-0.009 χ^2/NDF:244884.5/17

Right Out: 47.598+/-0.015 χ^2/NDF: 2418253.9/17

Left In: 44.730+/-0.009 χ^2/NDF:306528.4/17

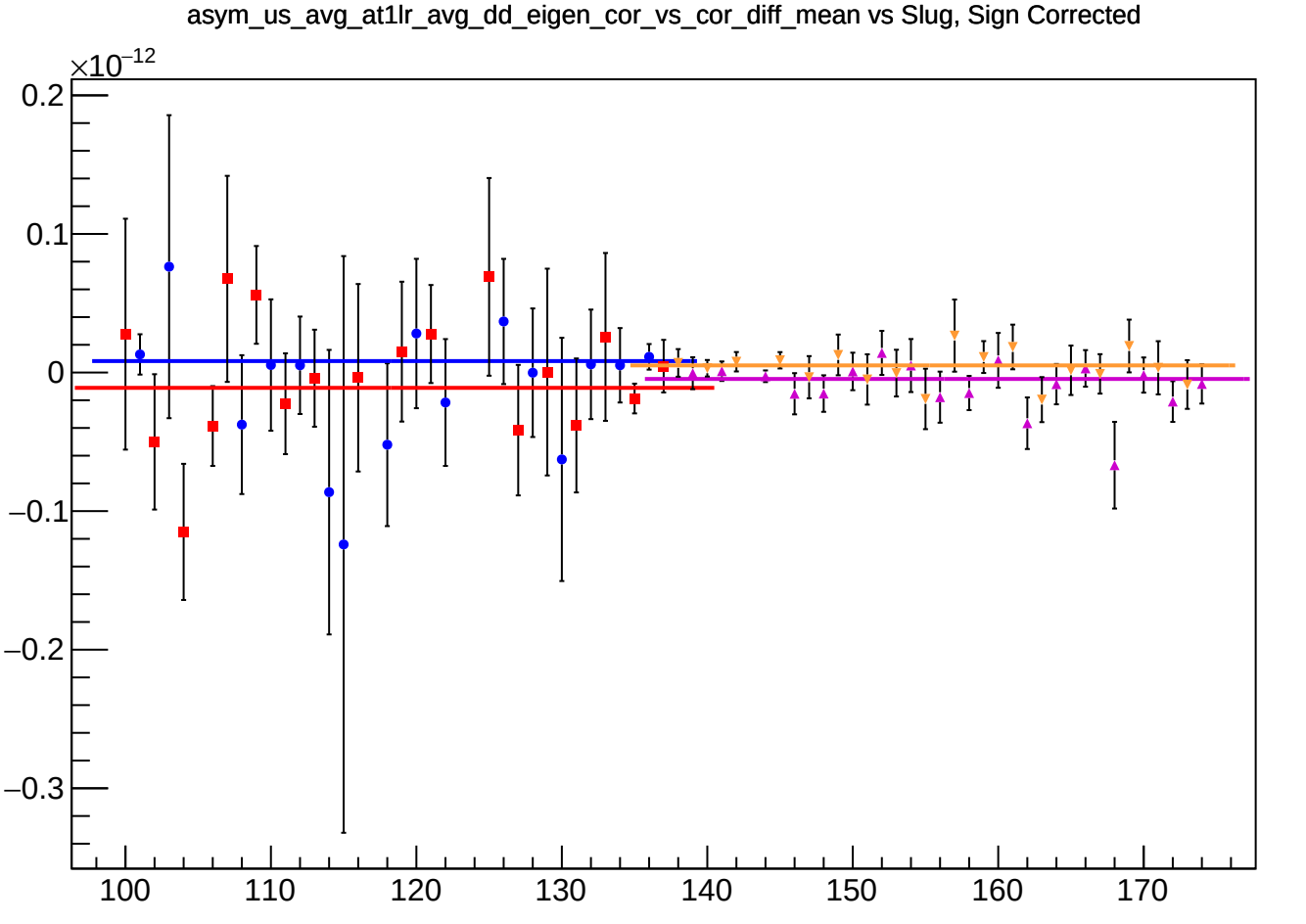
Left: 43.597+/-0.006 χ^2/NDF: 584215.0/35

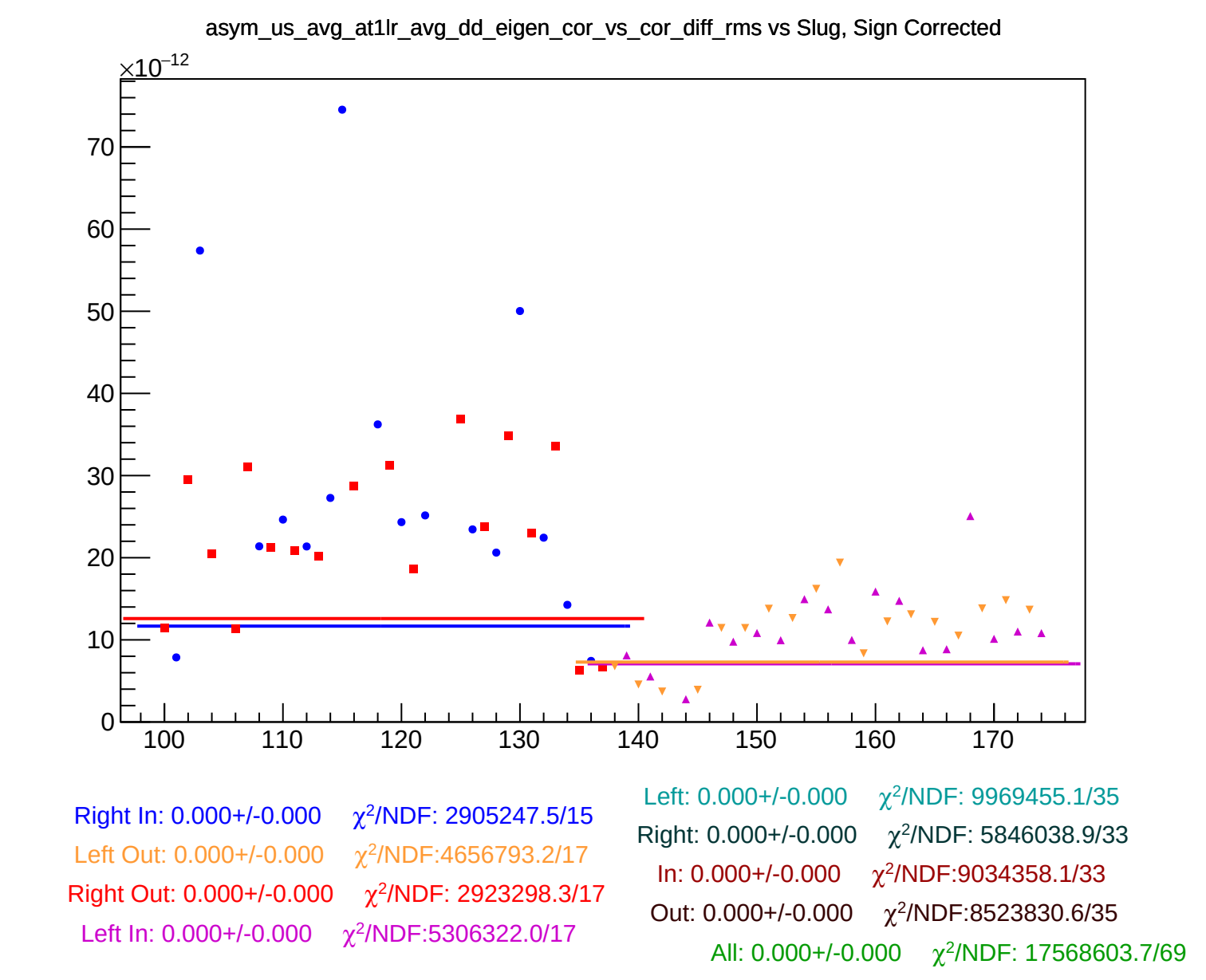
Right: 48.487+/-0.011 χ^2/NDF: 4201863.1/33

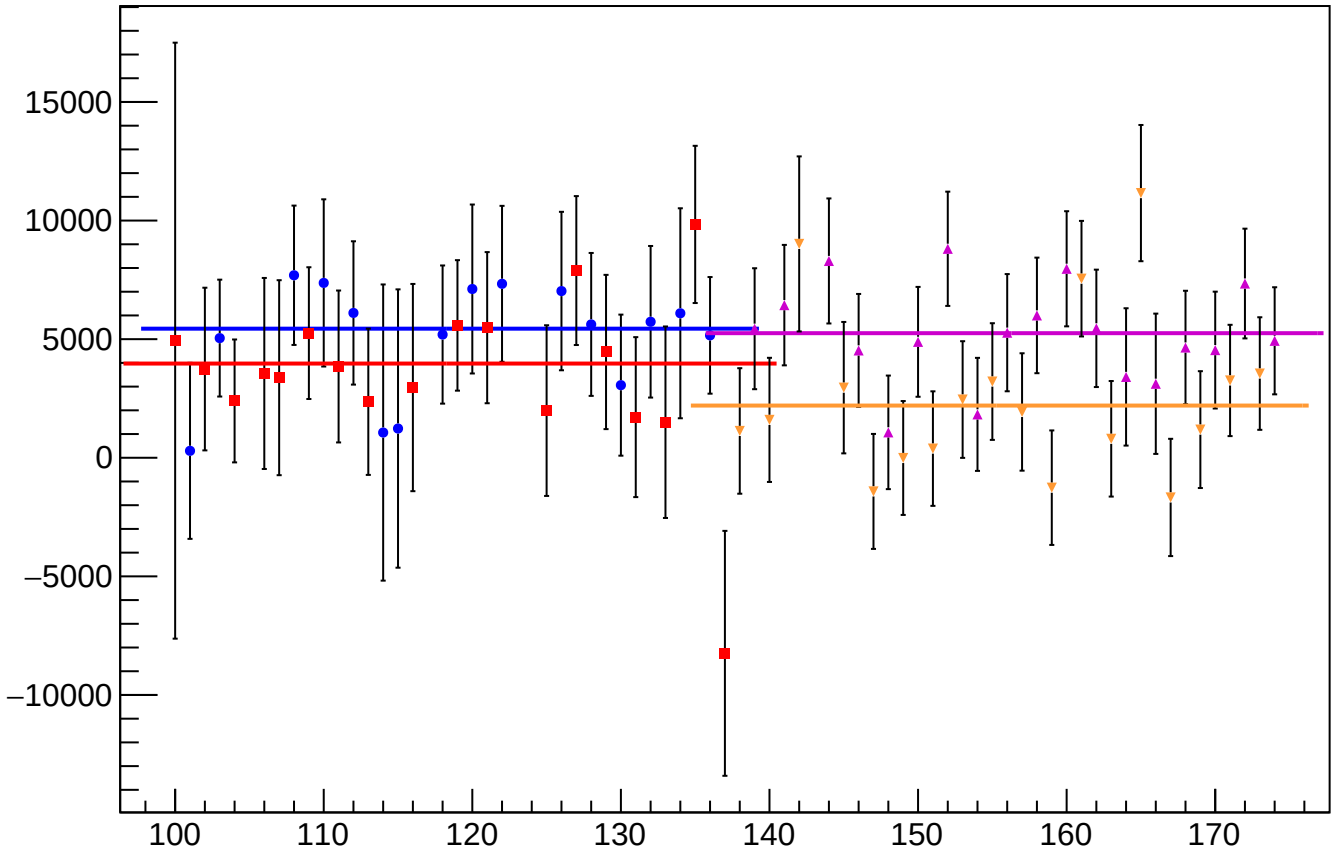
In: 45.928+/-0.008 χ^2/NDF:2154831.1/33

Out: 43.748+/-0.008 χ^2/NDF:2748272.4/35

All: 44.834+/-0.005 χ^2/NDF: 4944834.3/69


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.2
0.1
0
−0.1
−0.2
−0.3
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5.4/15
Left Out: 0.000+/-0.000 χ²/NDF:8.3/17
Right Out: -0.000+/-0.000 χ²/NDF: 16.2/17
Left In: -0.000+/-0.000 χ²/NDF:14.2/17
Left: 0.000+/-0.000 χ²/NDF: 29.4/35
Right: -0.000+/-0.000 χ²/NDF: 25.5/33
In: -0.000+/-0.000 χ²/NDF:22.9/33
Out: 0.000+/-0.000 χ²/NDF:28.9/35
All: -0.000+/-0.000 χ²/NDF: 54.9/69


asym_us_avg_at1lr_avg_dd_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: 2905247.5/15
Left Out: 0.000+/-0.000 χ²/NDF:4656793.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 2923298.3/17
Left In: 0.000+/-0.000 χ²/NDF:5306322.0/17
Left: 0.000+/-0.000 χ²/NDF: 9969455.1/35
Right: 0.000+/-0.000 χ²/NDF: 5846038.9/33
In: 0.000+/-0.000 χ²/NDF:9034358.1/33
Out: 0.000+/-0.000 χ²/NDF:8523830.6/35
All: 0.000+/-0.000 χ²/NDF: 17568603.7/69



Right In: 5442.336+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2200.893+/-595.525 χ^2/NDF:27.6/17

Right Out: 3971.728+/-809.023 χ^2/NDF: 13.0/17

Left In: 5252.475+/-581.195 χ^2/NDF:12.2/17

Left: 3763.839+/-415.941 χ^2/NDF: 53.3/35

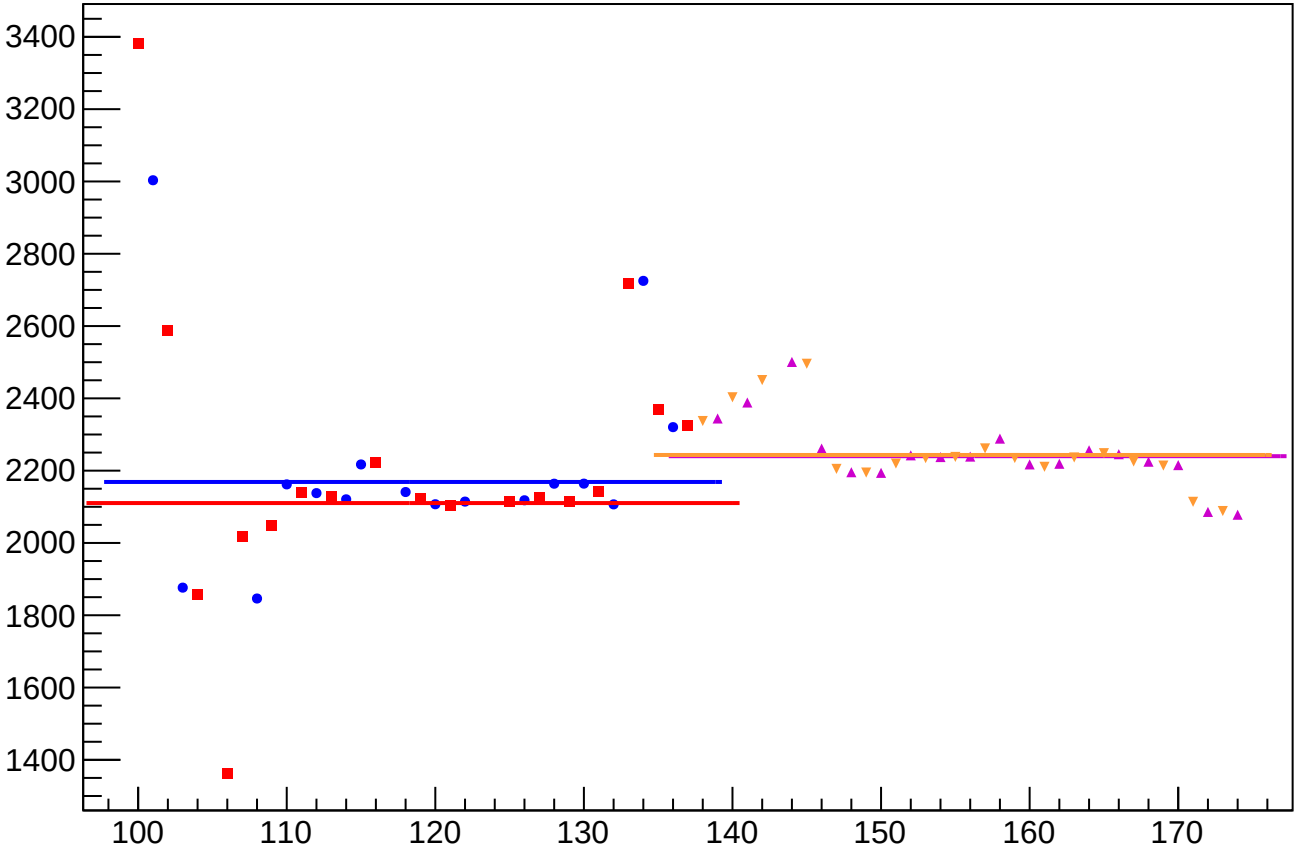
Right: 4703.849+/-573.303 χ^2/NDF: 20.0/33

In: 5316.737+/-472.714 χ^2/NDF:17.6/33

Out: 2823.214+/-479.600 χ^2/NDF:43.7/35

All: 4088.004+/-336.667 χ^2/NDF: 75.1/69

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.5/15

Left Out: 2243.376+/-0.421 χ^2/NDF:49965.9/17

Right Out: 2110.365+/-0.563 χ^2/NDF: 267413.4/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

Left: 2241.663+/-0.294 χ^2/NDF: 102038.9/35

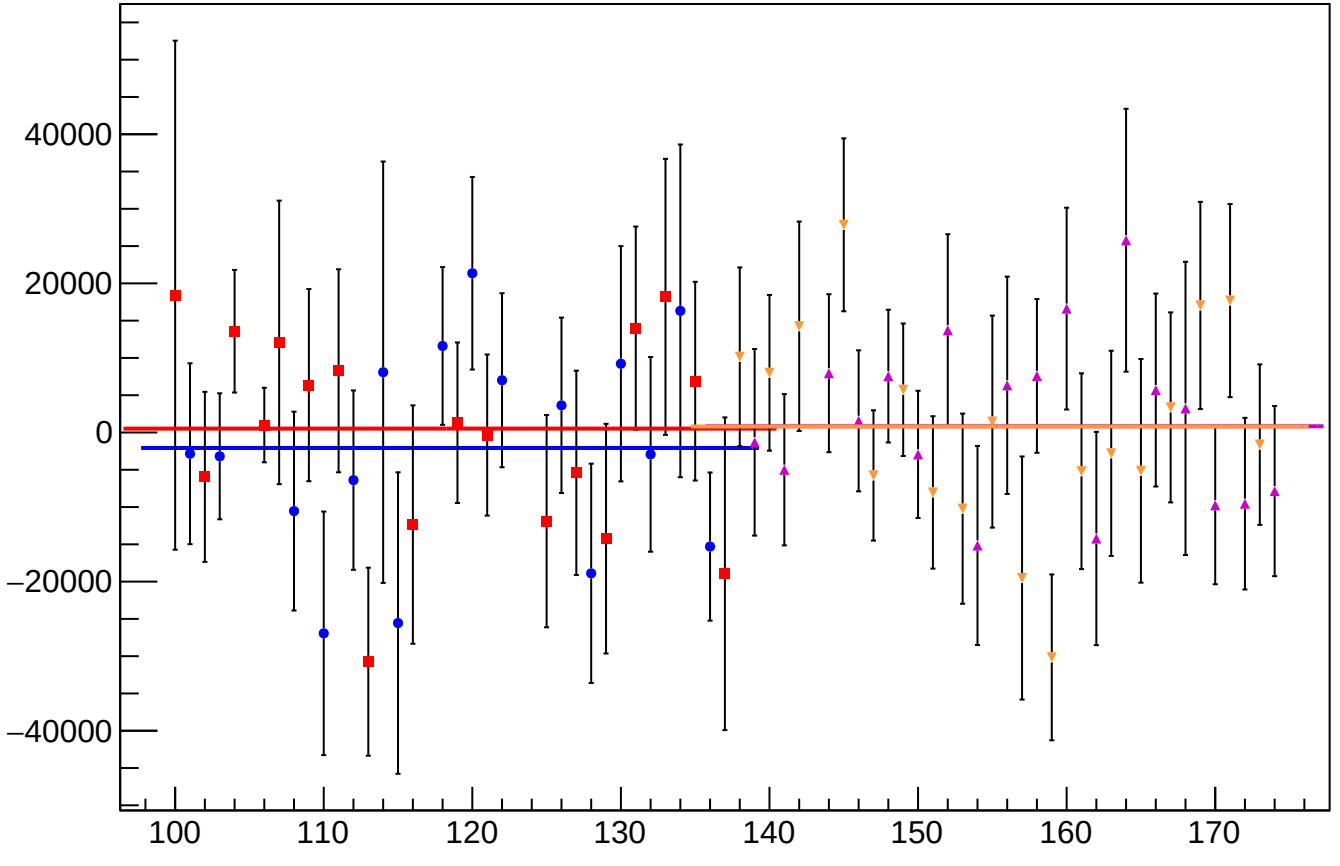
Right: 2138.947+/-0.402 χ^2/NDF: 468334.9/33

In: 2215.893+/-0.334 χ^2/NDF:257892.3/33

Out: 2195.657+/-0.337 χ^2/NDF:353173.5/35

All: 2205.864+/-0.237 χ^2/NDF: 612882.2/69

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -2074.843+/-3212.093 χ^2/NDF: 14.4/15

Left Out: 807.060+/-2790.807 χ^2/NDF:22.7/17

Right Out: 521.454+/-2715.587 χ^2/NDF: 15.7/17

Left In: 836.476+/-2726.071 χ^2/NDF:11.6/17

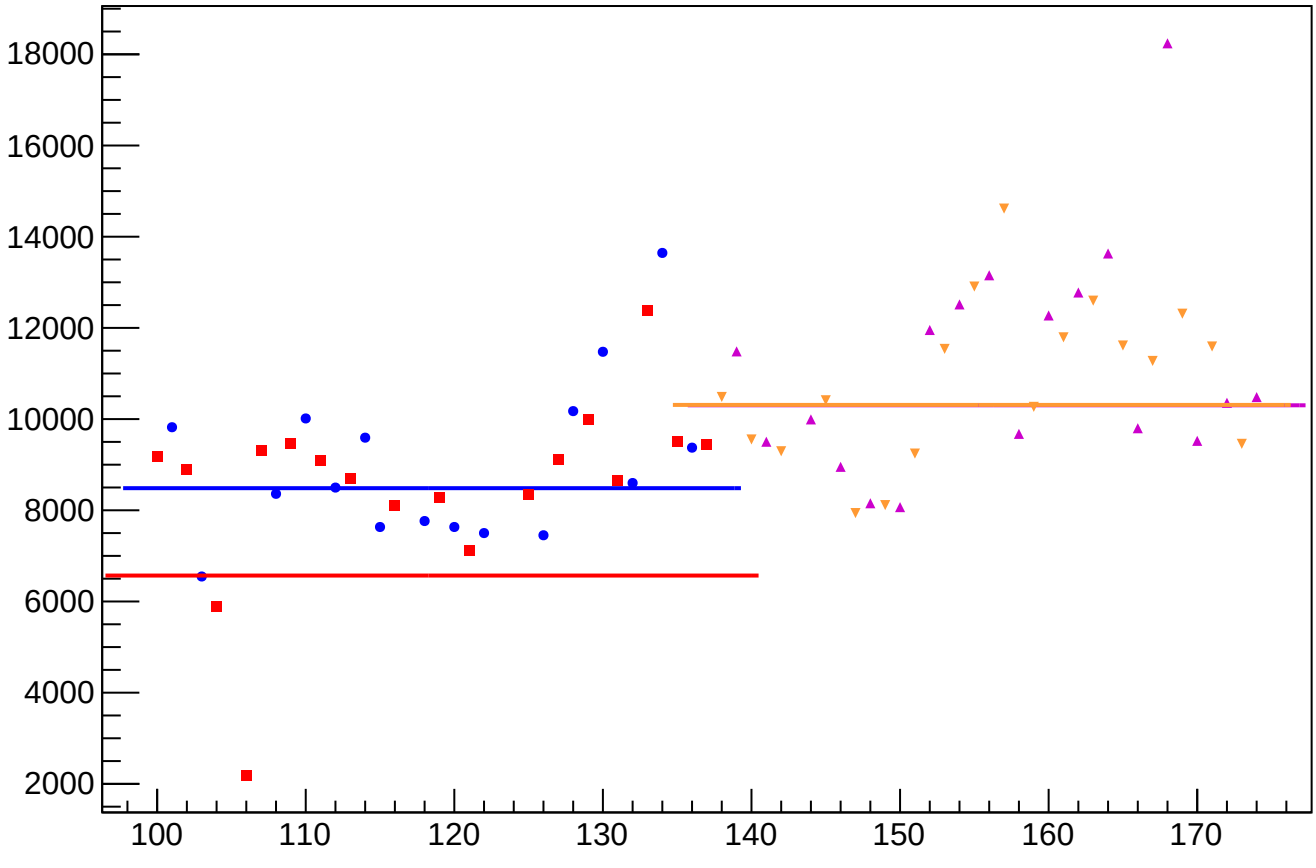
Left: 822.113+/-1950.108 χ^2/NDF: 34.3/35

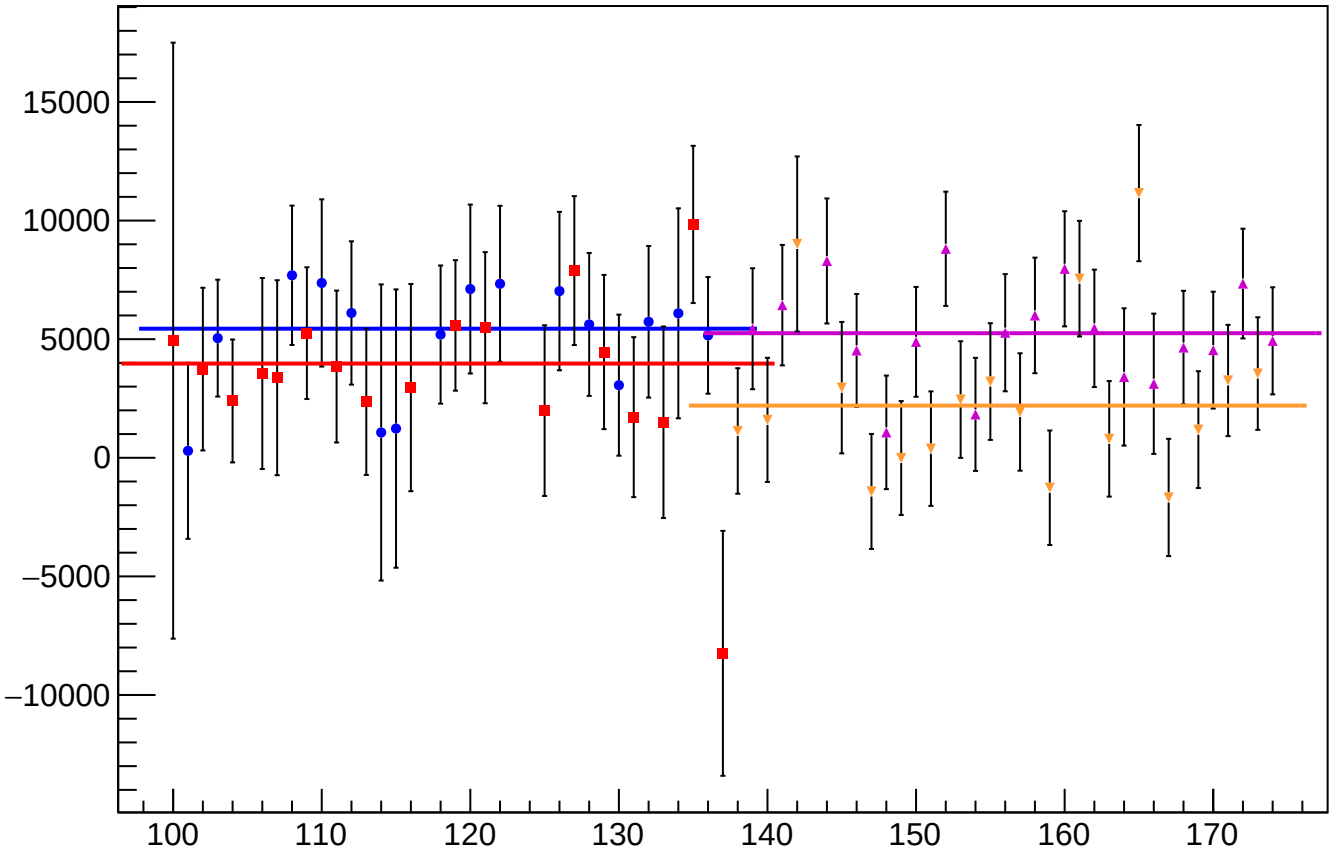
Right: -560.742+/-2073.786 χ^2/NDF: 30.5/33

In: -382.486+/-2078.443 χ^2/NDF:26.5/33

Out: 660.356+/-1946.259 χ^2/NDF:38.4/35

All: 173.148+/-1420.646 χ^2/NDF: 65.0/69


asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
110
120
130
140
150
160
170
Right In: 8485.000+/-2.271 χ²/NDF: 422706.1/15
Left Out: 10311.029+/-1.973 χ²/NDF:718890.2/17
Right Out: 6568.711+/-1.920 χ²/NDF: 2568887.0/17
Left In: 10302.702+/-1.928 χ²/NDF:1011938.2/17
Left: 10306.768+/-1.379 χ²/NDF: 1730837.6/35
Right: 7367.464+/-1.466 χ²/NDF: 3406715.7/33
In: 9541.635+/-1.470 χ²/NDF:1806951.8/33
Out: 8388.757+/-1.376 χ²/NDF:5135028.2/35
All: 8927.373+/-1.005 χ²/NDF: 7269841.5/69



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2200.794+/-595.525 χ^2/NDF:27.6/17

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5252.456+/-581.195 χ^2/NDF:12.2/17

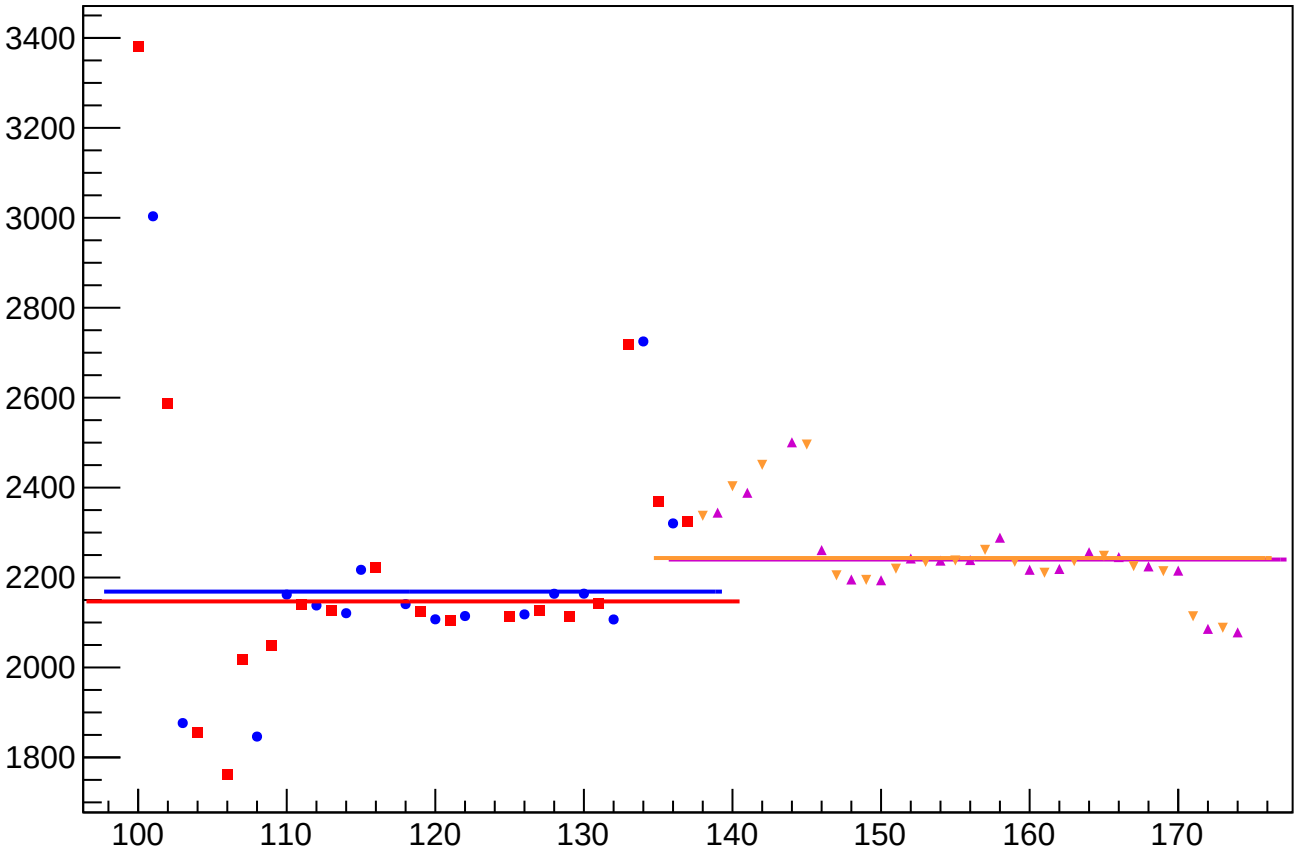
Left: 3763.781+/-415.941 χ^2/NDF: 53.3/35

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5316.772+/-472.714 χ^2/NDF:17.6/33

Out: 2823.059+/-479.600 χ^2/NDF:43.7/35

All: 4087.946+/-336.667 χ^2/NDF: 75.1/69



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2243.376+/-0.421 χ^2/NDF:49965.9/17

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

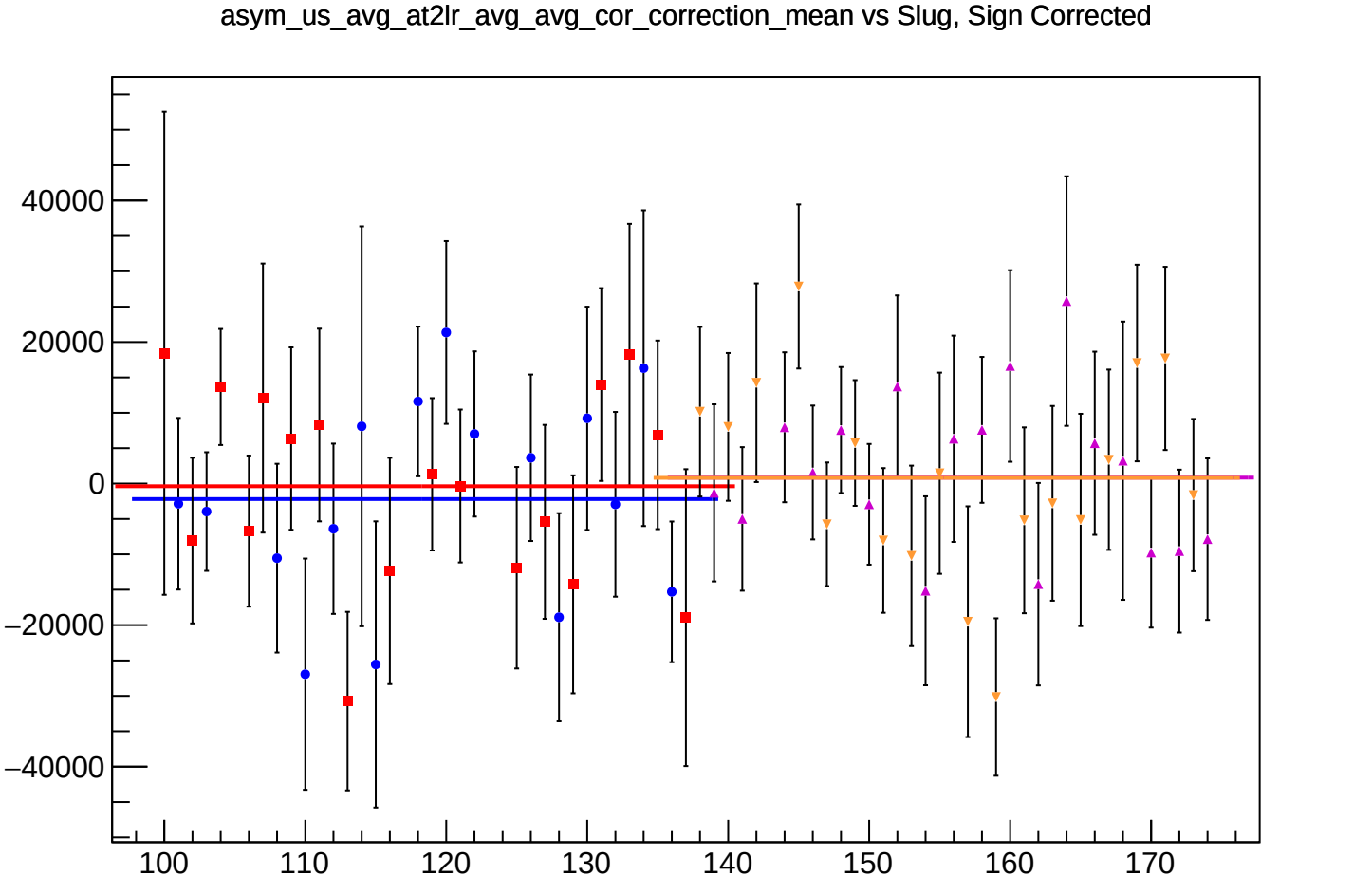
Left: 2241.663+/-0.294 χ^2/NDF: 102038.9/35

Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2215.893+/-0.334 χ^2/NDF:257892.7/33

Out: 2209.248+/-0.339 χ^2/NDF:226286.8/35

All: 2212.613+/-0.238 χ^2/NDF: 484374.5/69



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 807.052+/-2790.805 χ^2/NDF:22.7/17

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 836.583+/-2726.070 χ^2/NDF:11.6/17

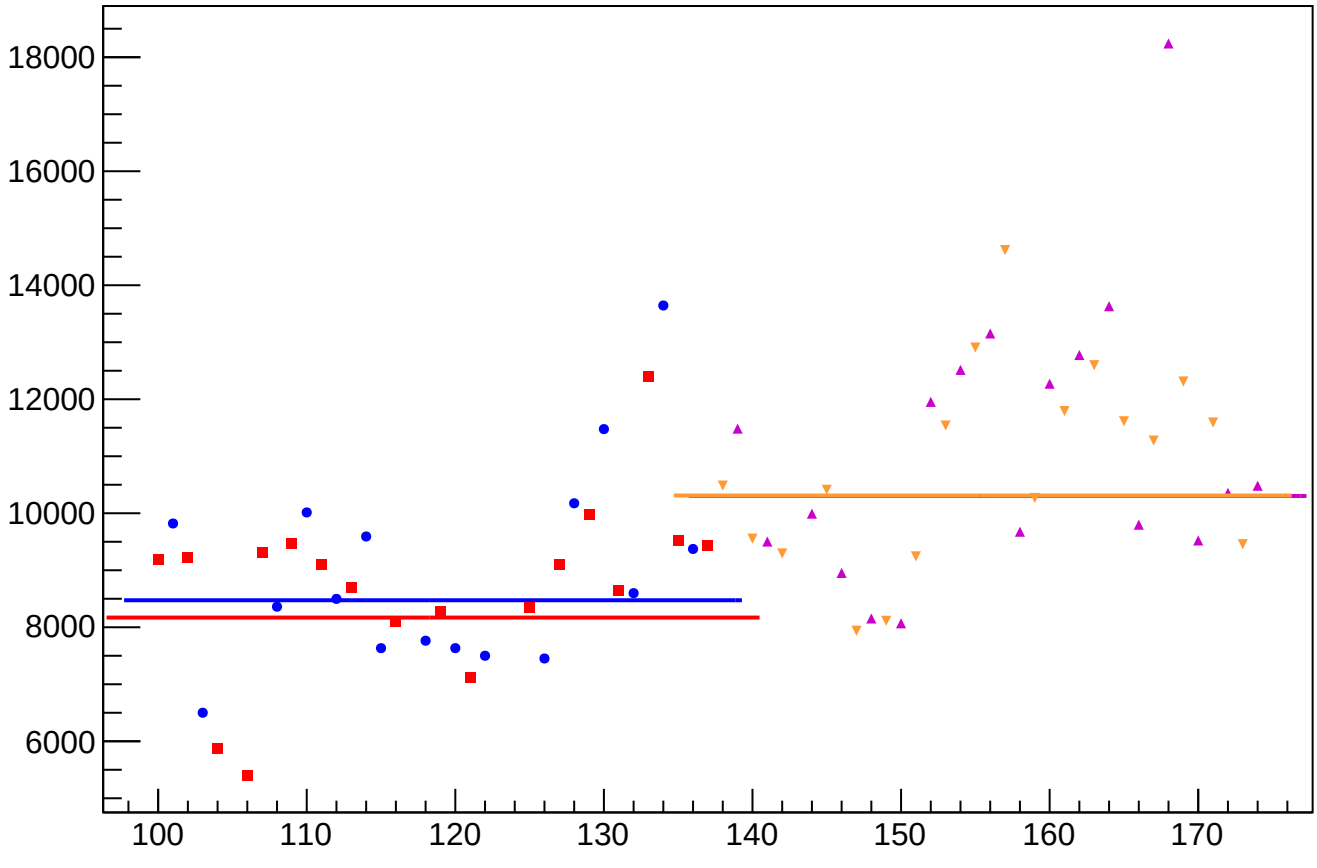
Left: 822.164+/-1950.107 χ^2/NDF: 34.3/35

Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -431.966+/-2077.475 χ^2/NDF:26.6/33

Out: 275.993+/-2074.107 χ^2/NDF:39.1/35

All: -77.412+/-1467.805 χ^2/NDF: 65.7/69



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10311.022+/-1.973 χ^2/NDF:718891.0/17

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

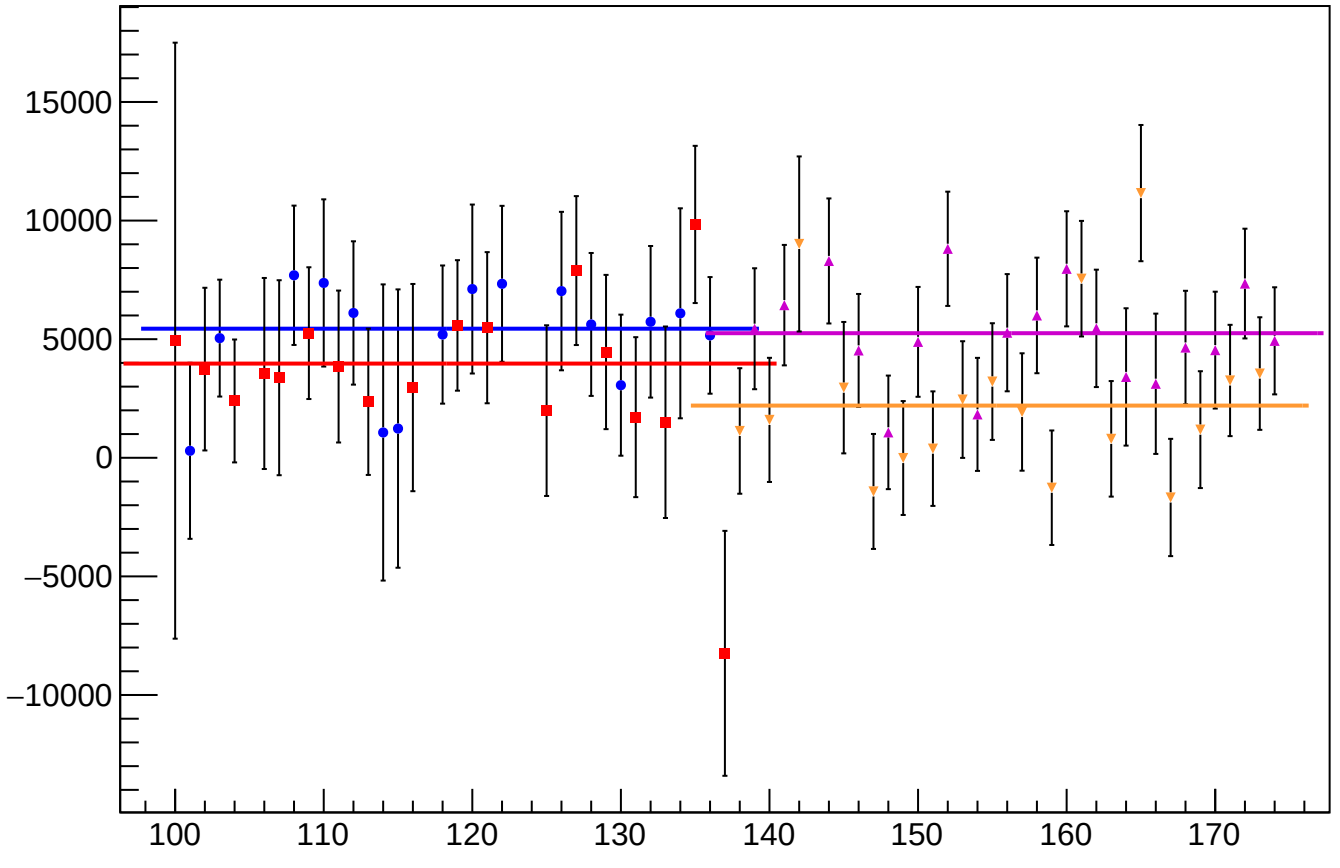
Left: 10306.762+/-1.379 χ^2/NDF: 1730844.5/35

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9535.930+/-1.469 χ^2/NDF:1818910.4/33

Out: 9352.576+/-1.467 χ^2/NDF:1785748.5/35

All: 9444.104+/-1.038 χ^2/NDF: 3612460.9/69



Right In: 5442.478+/-812.534 χ^2/NDF: 5.4/15

Left Out: 2200.794+/-595.525 χ^2/NDF:27.6/17

Right Out: 3971.470+/-809.023 χ^2/NDF: 13.0/17

Left In: 5252.456+/-581.195 χ^2/NDF:12.2/17

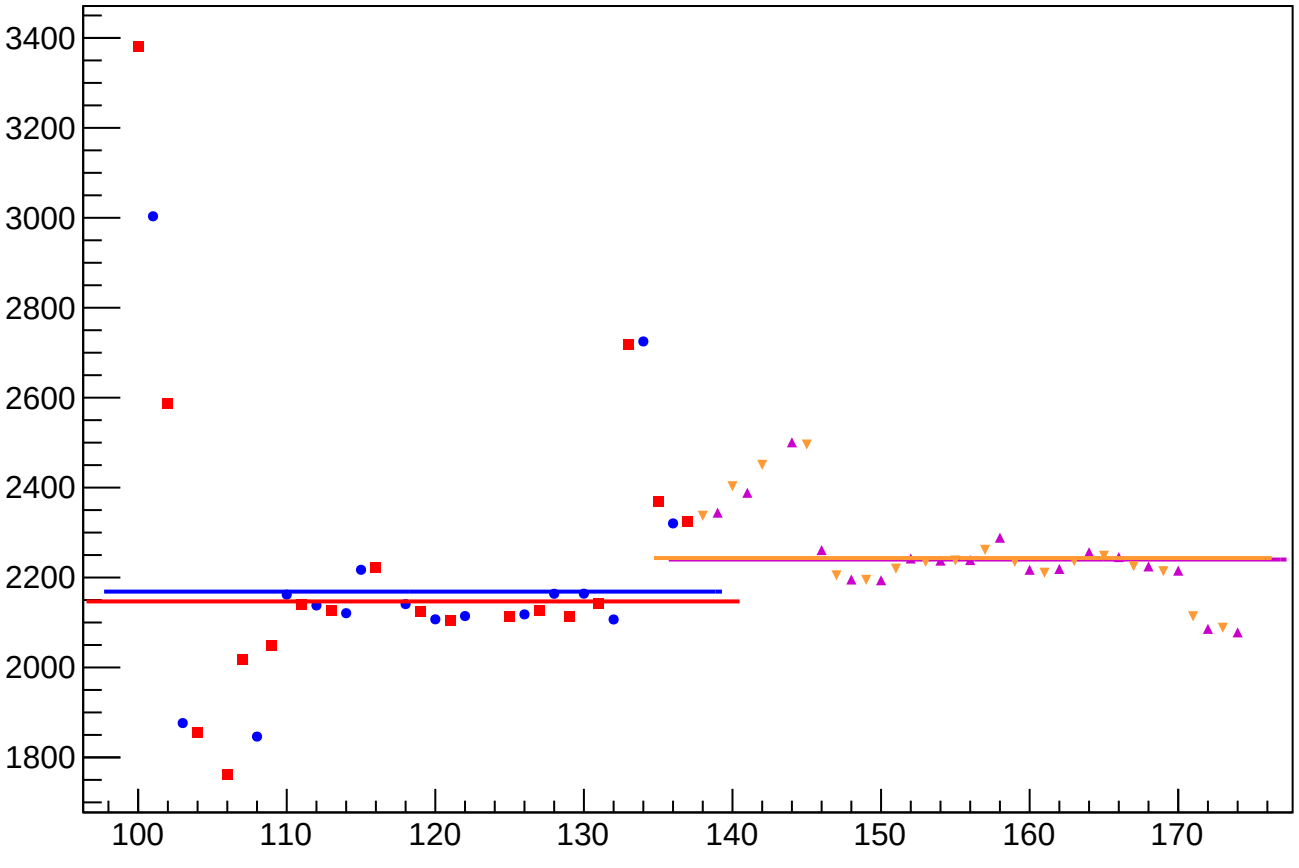
Left: 3763.781+/-415.941 χ^2/NDF: 53.3/35

Right: 4703.790+/-573.303 χ^2/NDF: 20.0/33

In: 5316.772+/-472.714 χ^2/NDF:17.6/33

Out: 2823.059+/-479.600 χ^2/NDF:43.7/35

All: 4087.946+/-336.667 χ^2/NDF: 75.1/69



Right In: 2168.715+/-0.575 χ^2/NDF: 195659.8/15

Left Out: 2243.376+/-0.421 χ^2/NDF:49965.9/17

Right Out: 2146.888+/-0.569 χ^2/NDF: 157750.7/17

Left In: 2240.031+/-0.411 χ^2/NDF:52040.7/17

Left: 2241.663+/-0.294 χ^2/NDF: 102038.9/35

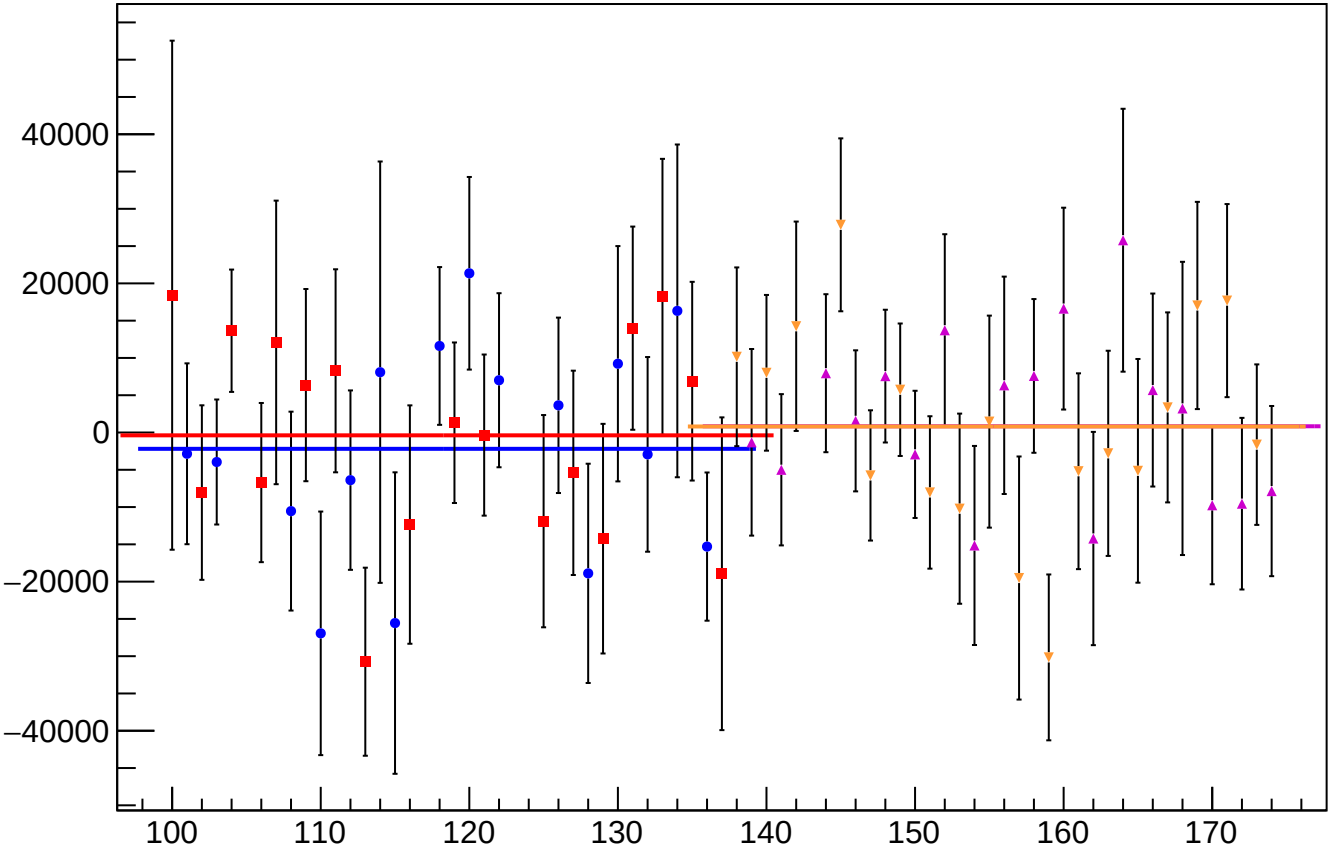
Right: 2157.700+/-0.404 χ^2/NDF: 354138.9/33

In: 2215.893+/-0.334 χ^2/NDF:257892.7/33

Out: 2209.248+/-0.339 χ^2/NDF:226286.8/35

All: 2212.613+/-0.238 χ^2/NDF: 484374.5/69

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2189.256+/-3208.524 χ^2/NDF: 14.5/15

Left Out: 807.052+/-2790.805 χ^2/NDF:22.7/17

Right Out: -379.236+/-3099.953 χ^2/NDF: 16.3/17

Left In: 836.583+/-2726.070 χ^2/NDF:11.6/17

Left: 822.164+/-1950.107 χ^2/NDF: 34.3/35

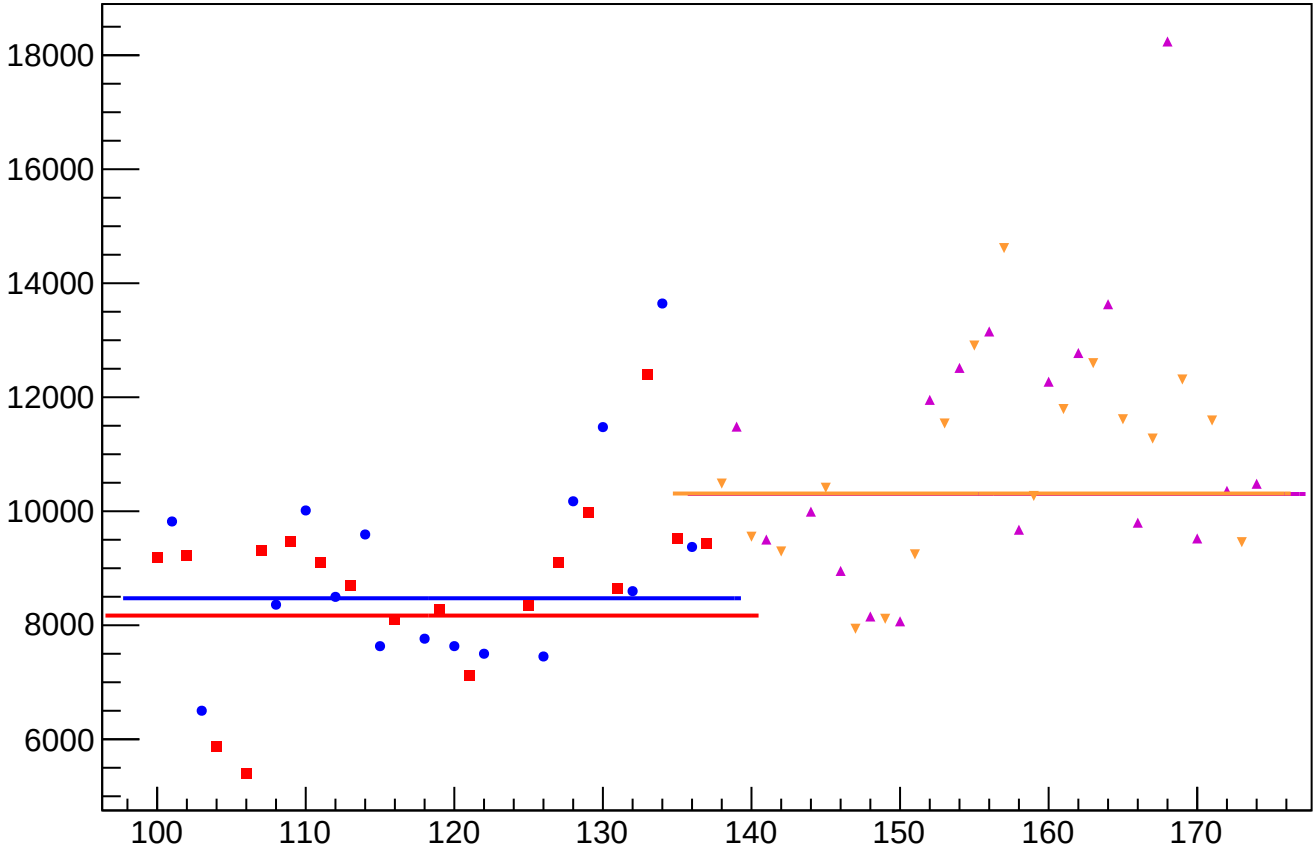
Right: -1253.105+/-2229.393 χ^2/NDF: 30.9/33

In: -431.966+/-2077.475 χ^2/NDF:26.6/33

Out: 275.993+/-2074.107 χ^2/NDF:39.1/35

All: -77.412+/-1467.805 χ^2/NDF: 65.7/69

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 8473.743+/-2.269 χ^2/NDF: 429547.3/15

Left Out: 10311.022+/-1.973 χ^2/NDF:718891.0/17

Right Out: 8170.027+/-2.192 χ^2/NDF: 539925.8/17

Left In: 10302.698+/-1.928 χ^2/NDF:1011944.4/17

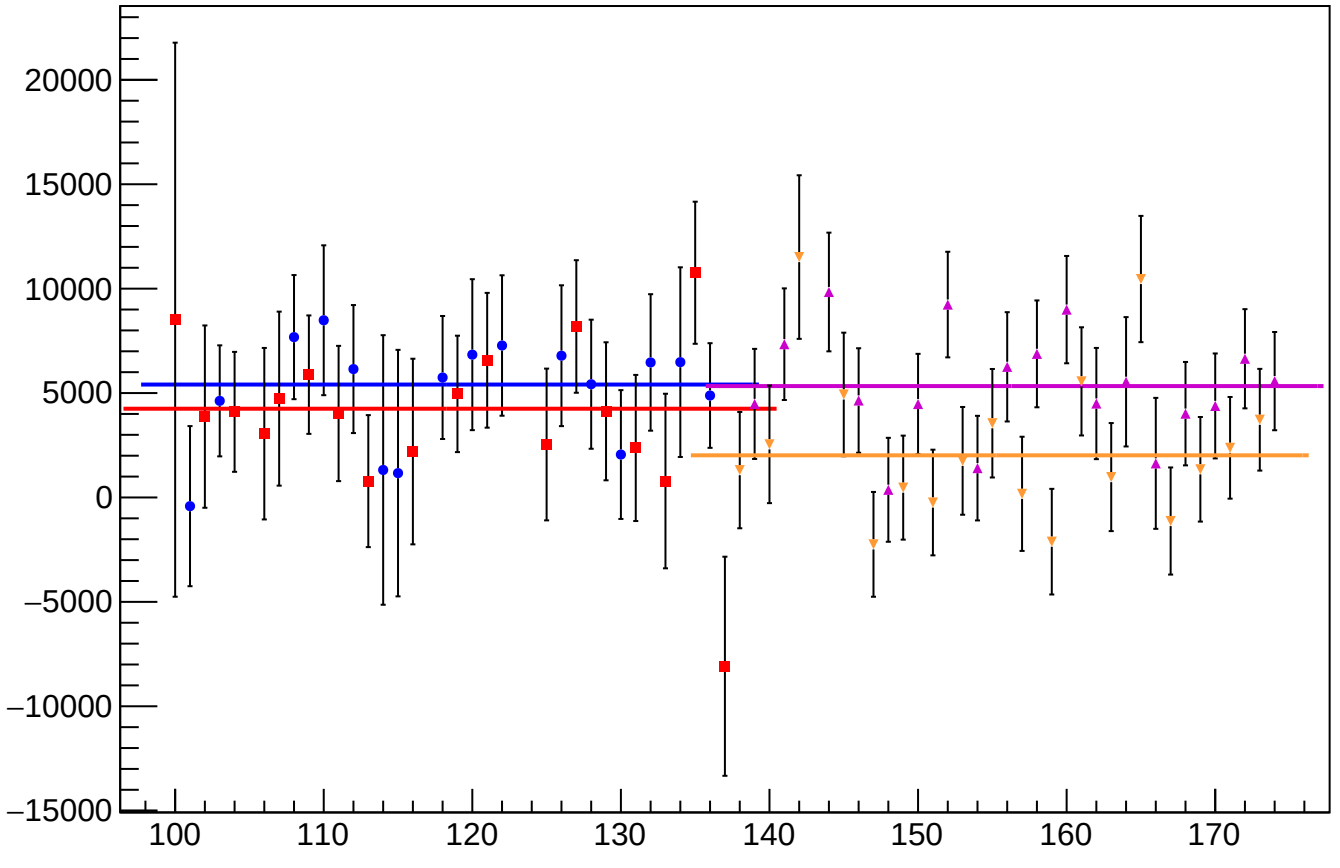
Left: 10306.762+/-1.379 χ^2/NDF: 1730844.5/35

Right: 8316.660+/-1.576 χ^2/NDF: 978741.7/33

In: 9535.930+/-1.469 χ^2/NDF:1818910.4/33

Out: 9352.576+/-1.467 χ^2/NDF:1785748.5/35

All: 9444.104+/-1.038 χ^2/NDF: 3612460.9/69



Right In: 5407.867+/-833.689 χ^2/NDF: 6.7/15

Left Out: 2018.417+/-625.564 χ^2/NDF:26.4/17

Right Out: 4249.899+/-839.336 χ^2/NDF: 14.5/17

Left In: 5334.143+/-609.242 χ^2/NDF:17.0/17

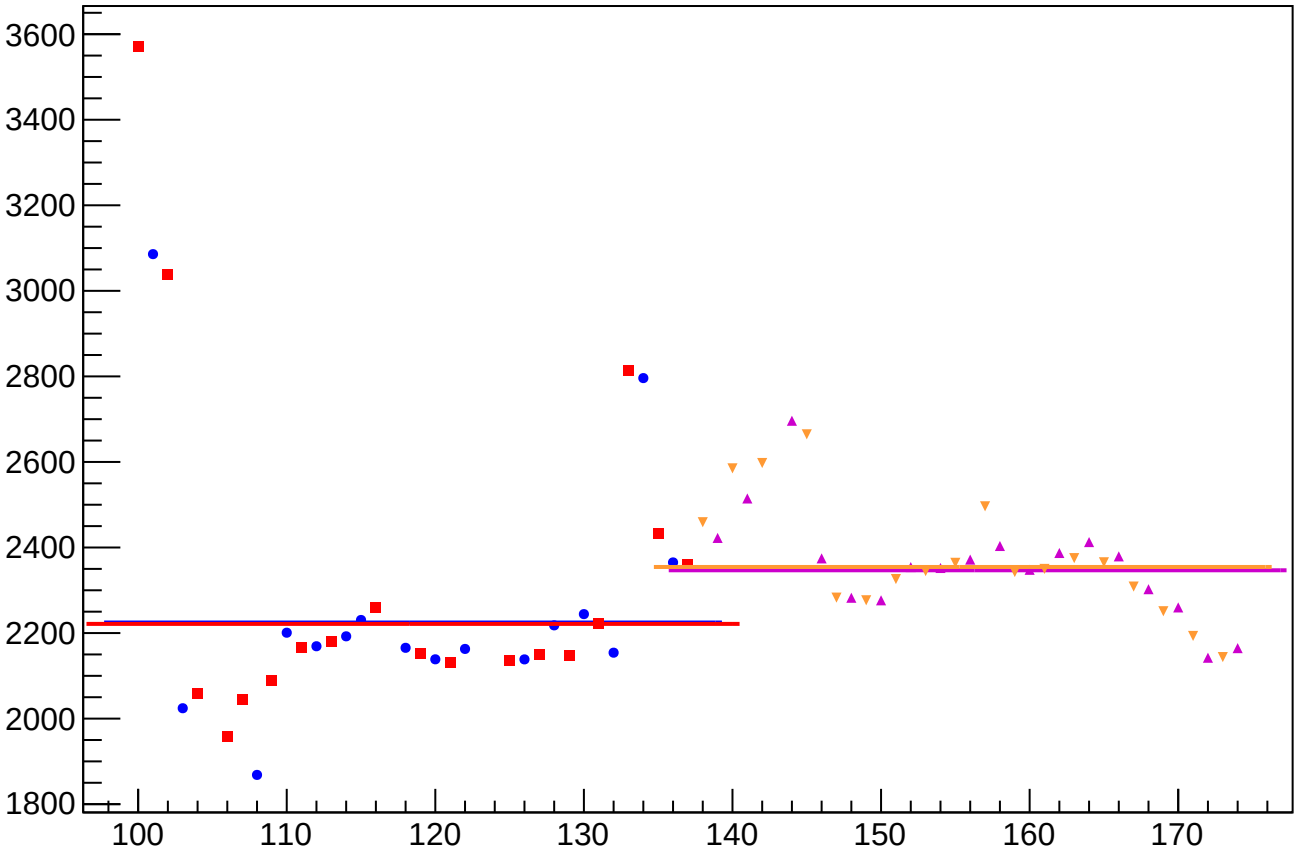
Left: 3720.102+/-436.455 χ^2/NDF: 57.8/35

Right: 4832.791+/-591.493 χ^2/NDF: 22.2/33

In: 5359.808+/-491.894 χ^2/NDF:23.7/33

Out: 2815.310+/-501.579 χ^2/NDF:45.4/35

All: 4112.361+/-351.196 χ^2/NDF: 82.2/69



Right In: 2224.614+/-0.590 χ^2/NDF: 184679.8/15

Left Out: 2354.492+/-0.442 χ^2/NDF:83135.2/17

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2346.747+/-0.431 χ^2/NDF:75661.4/17

Left: 2350.517+/-0.309 χ^2/NDF: 158953.9/35

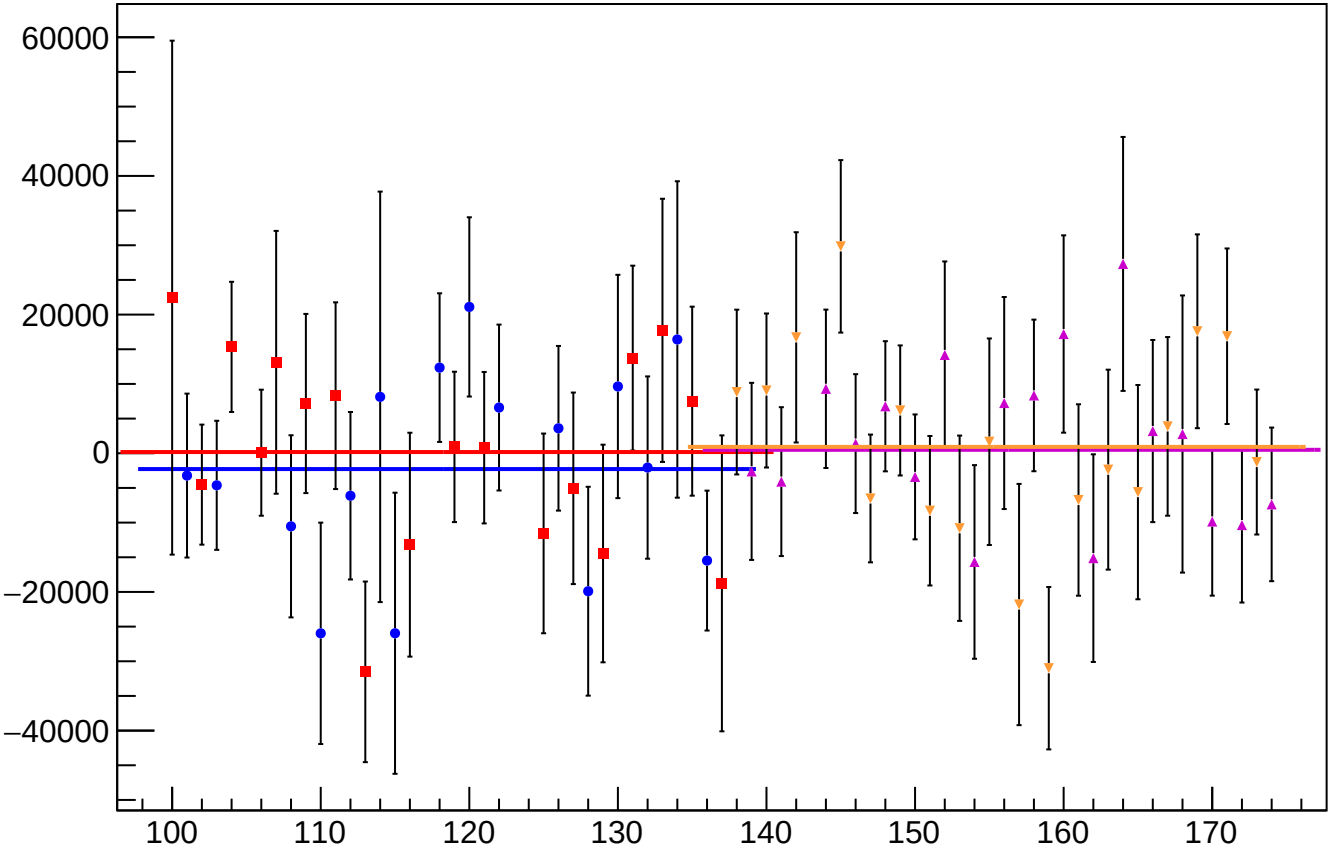
Right: 2223.029+/-0.418 χ^2/NDF: 354638.7/33

In: 2304.229+/-0.348 χ^2/NDF:288321.7/33

Out: 2306.934+/-0.355 χ^2/NDF:285422.1/35

All: 2305.556+/-0.248 χ^2/NDF: 573773.4/69

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.440+/-3271.750 χ^2/NDF: 14.5/15

Left Out: 917.663+/-2896.033 χ^2/NDF:22.7/17

Right Out: 177.024+/-3035.355 χ^2/NDF: 15.6/17

Left In: 498.184+/-2828.664 χ^2/NDF:11.6/17

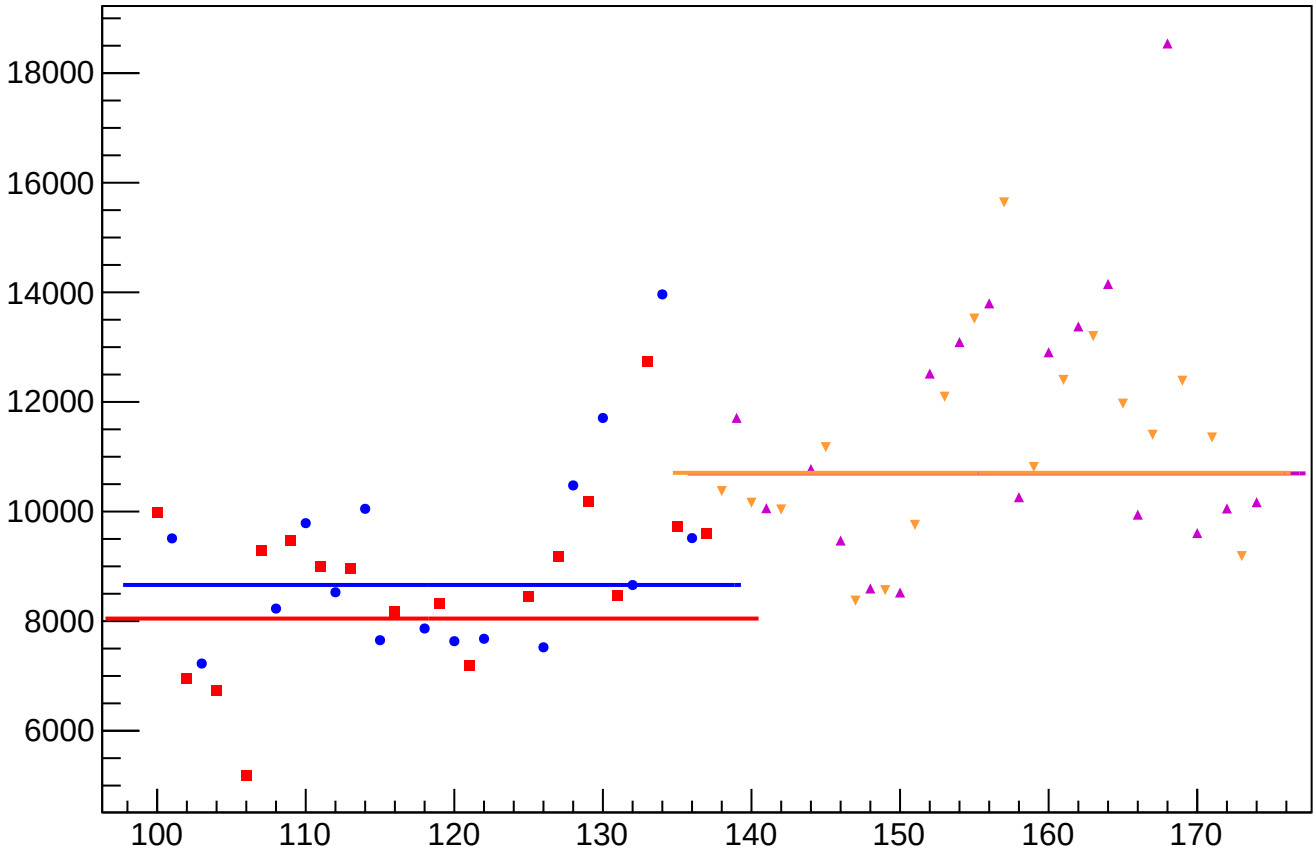
Left: 702.988+/-2023.565 χ^2/NDF: 34.3/35

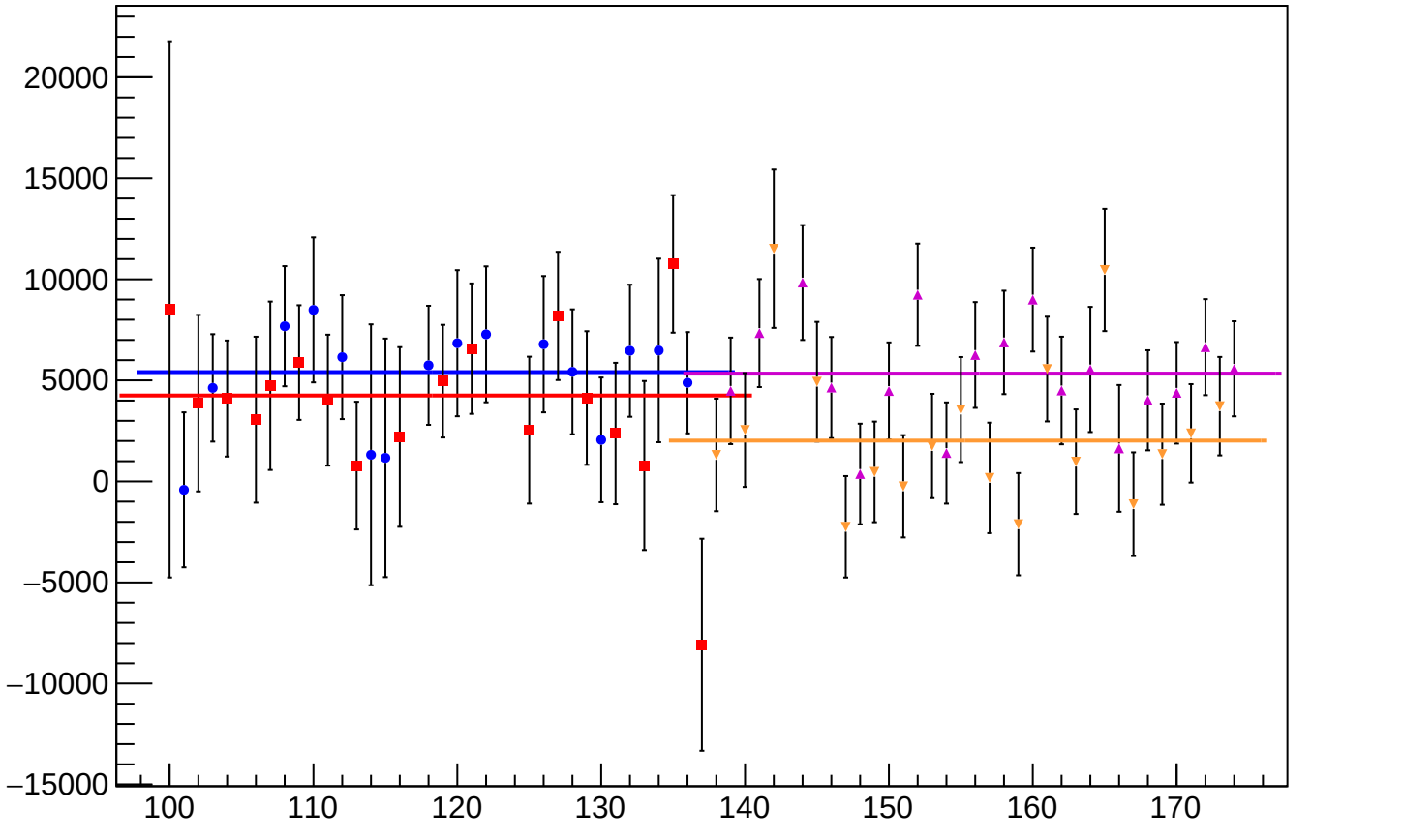
Right: -958.805+/-2225.203 χ^2/NDF: 30.4/33

In: -689.514+/-2139.807 χ^2/NDF:26.5/33

Out: 564.731+/-2095.327 χ^2/NDF:38.4/35

All: -49.220+/-1497.098 χ^2/NDF: 65.1/69


asym_us_avg_at2lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 8660.733+/-2.313 χ²/NDF: 357961.9/15
Left Out: 10706.342+/-2.048 χ²/NDF:700575.2/17
Right Out: 8047.460+/-2.146 χ²/NDF: 558559.6/17
Left In: 10696.170+/-2.000 χ²/NDF:977098.3/17
Left: 10701.136+/-1.431 χ²/NDF: 1677686.1/35
Right: 8331.143+/-1.573 χ²/NDF: 954287.2/33
In: 9825.514+/-1.513 χ²/NDF:1778027.8/33
Out: 9439.321+/-1.482 χ²/NDF:2062486.8/35
All: 9628.362+/-1.059 χ²/NDF: 3873771.9/69



Right In: 5407.869+/-833.688 χ^2/NDF: 6.7/15

Left Out: 2018.407+/-625.565 χ^2/NDF:26.4/17

Right Out: 4249.903+/-839.335 χ^2/NDF: 14.5/17

Left In: 5334.145+/-609.242 χ^2/NDF:17.0/17

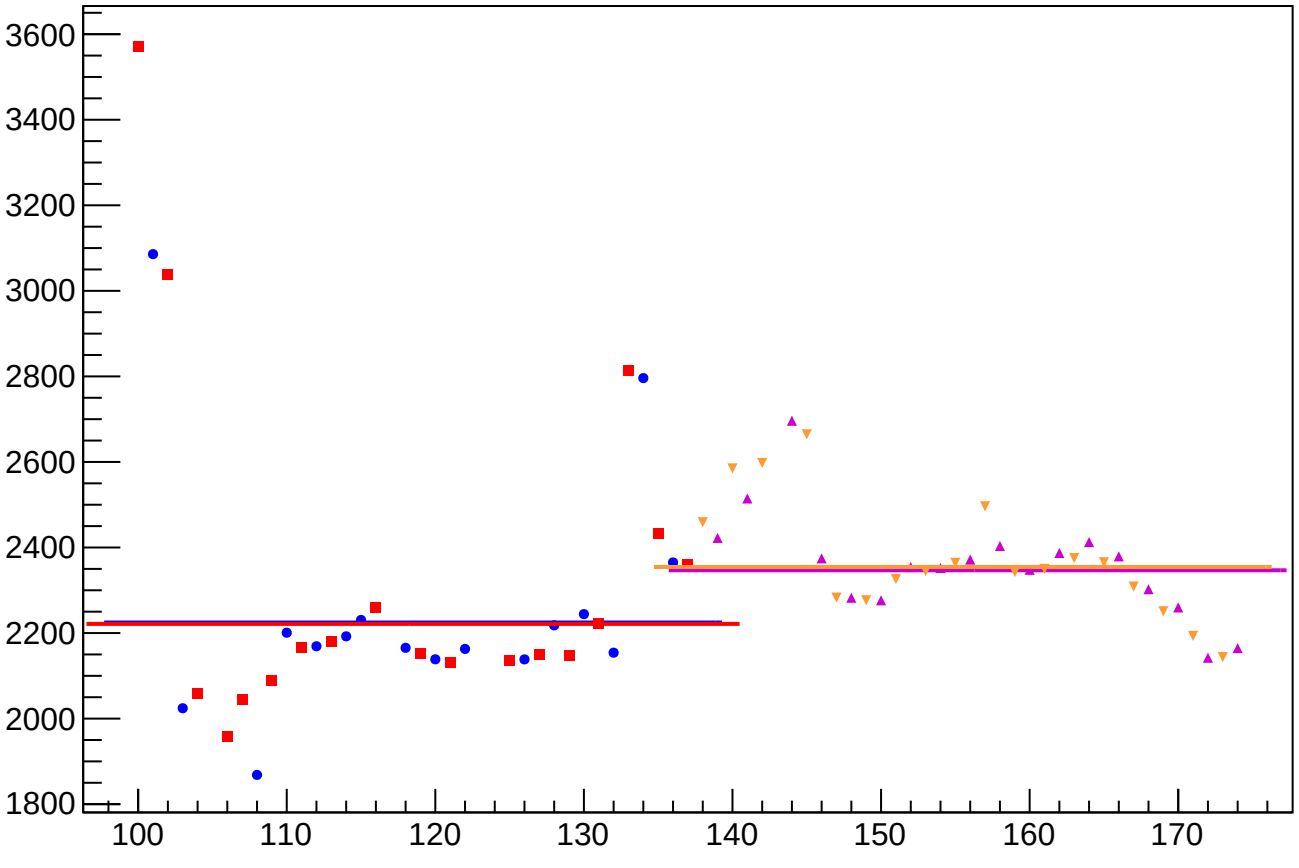
Left: 3720.099+/-436.456 χ^2/NDF: 57.8/35

Right: 4832.794+/-591.493 χ^2/NDF: 22.2/33

In: 5359.810+/-491.894 χ^2/NDF:23.7/33

Out: 2815.307+/-501.579 χ^2/NDF:45.4/35

All: 4112.360+/-351.196 χ^2/NDF: 82.2/69



Right In: 2224.613+/-0.590 χ^2/NDF: 184680.1/15

Left Out: 2354.494+/-0.442 χ^2/NDF:83138.2/17

Right Out: 2221.425+/-0.593 χ^2/NDF: 169944.3/17

Left In: 2346.750+/-0.431 χ^2/NDF:75664.0/17

Left: 2350.519+/-0.309 χ^2/NDF: 158959.6/35

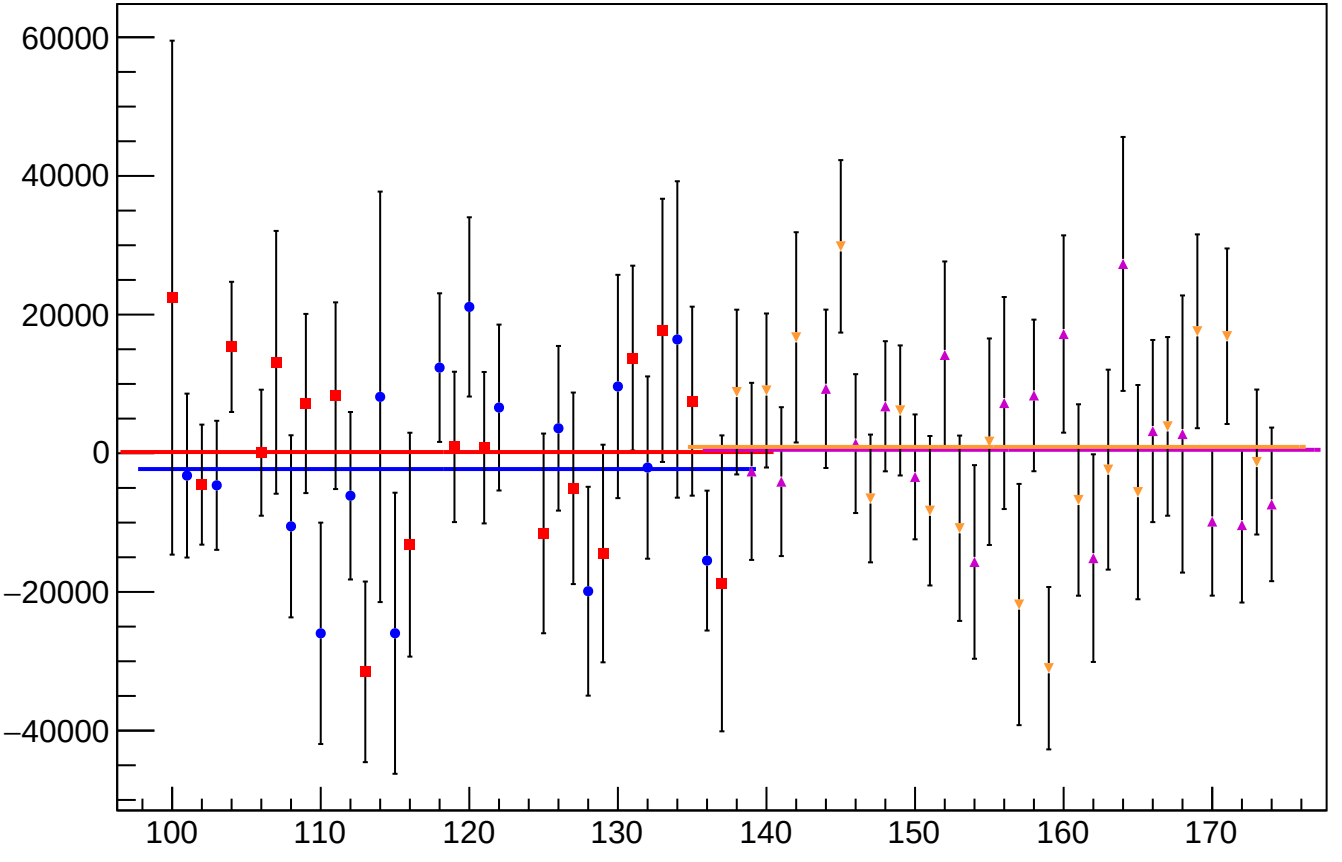
Right: 2223.029+/-0.418 χ^2/NDF: 354639.0/33

In: 2304.231+/-0.348 χ^2/NDF:288325.9/33

Out: 2306.935+/-0.355 χ^2/NDF:285426.6/35

All: 2305.557+/-0.248 χ^2/NDF: 573782.1/69

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2278.418+/-3271.742 χ^2/NDF: 14.5/15

Left Out: 917.656+/-2896.037 χ^2/NDF:22.7/17

Right Out: 177.029+/-3035.348 χ^2/NDF: 15.6/17

Left In: 498.183+/-2828.668 χ^2/NDF:11.6/17

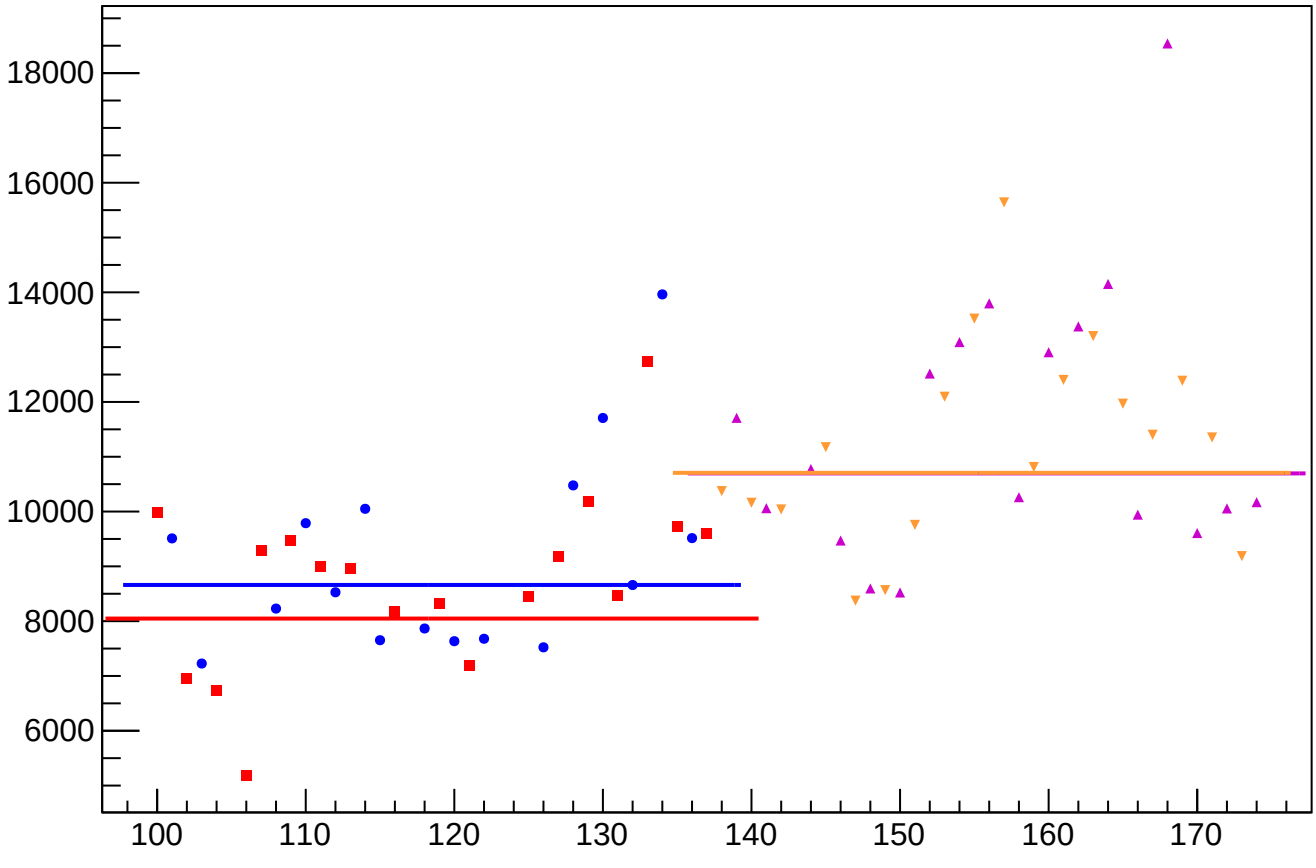
Left: 702.984+/-2023.569 χ^2/NDF: 34.3/35

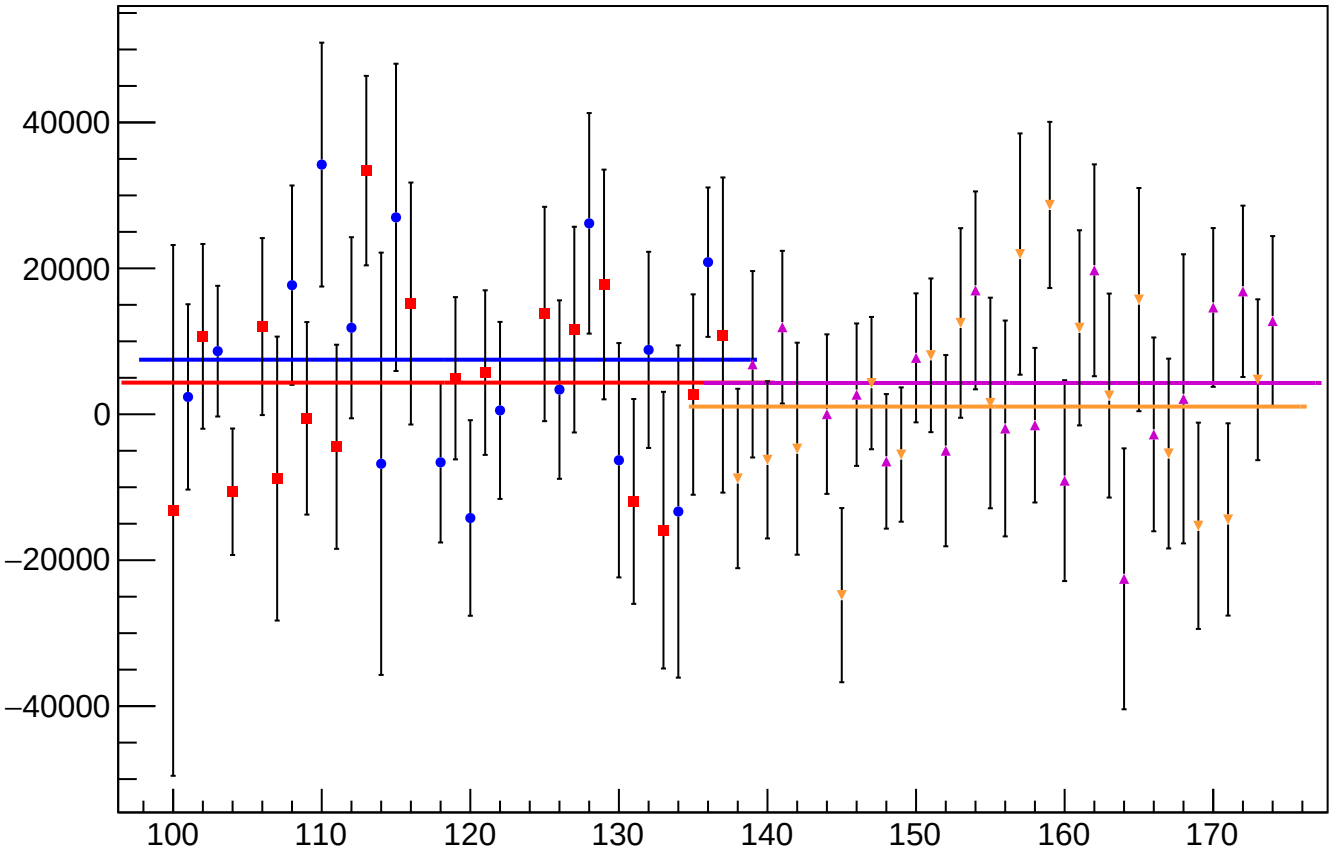
Right: -958.792+/-2225.198 χ^2/NDF: 30.4/33

In: -689.511+/-2139.807 χ^2/NDF:26.5/33

Out: 564.728+/-2095.327 χ^2/NDF:38.4/35

All: -49.220+/-1497.098 χ^2/NDF: 65.1/69


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 8660.711+/-2.313 χ²/NDF: 357964.1/15
Left Out: 10706.359+/-2.048 χ²/NDF:700576.4/17
Right Out: 8047.442+/-2.146 χ²/NDF: 558557.8/17
Left In: 10696.187+/-2.000 χ²/NDF:977100.0/17
Left: 10701.153+/-1.431 χ²/NDF: 1677689.0/35
Right: 8331.123+/-1.573 χ²/NDF: 954287.4/33
In: 9825.510+/-1.513 χ²/NDF:1778048.7/33
Out: 9439.316+/-1.482 χ²/NDF:2062508.1/35
All: 9628.358+/-1.059 χ²/NDF: 3873814.2/69



Right In: 7481.770+/-3330.915 χ^2/NDF: 14.0/15

Left Out: 1055.580+/-2863.656 χ^2/NDF:19.9/17

Right Out: 4338.165+/-3242.620 χ^2/NDF: 14.3/17

Left In: 4291.768+/-2796.661 χ^2/NDF:11.3/17

Left: 2711.972+/-2000.804 χ^2/NDF: 31.9/35

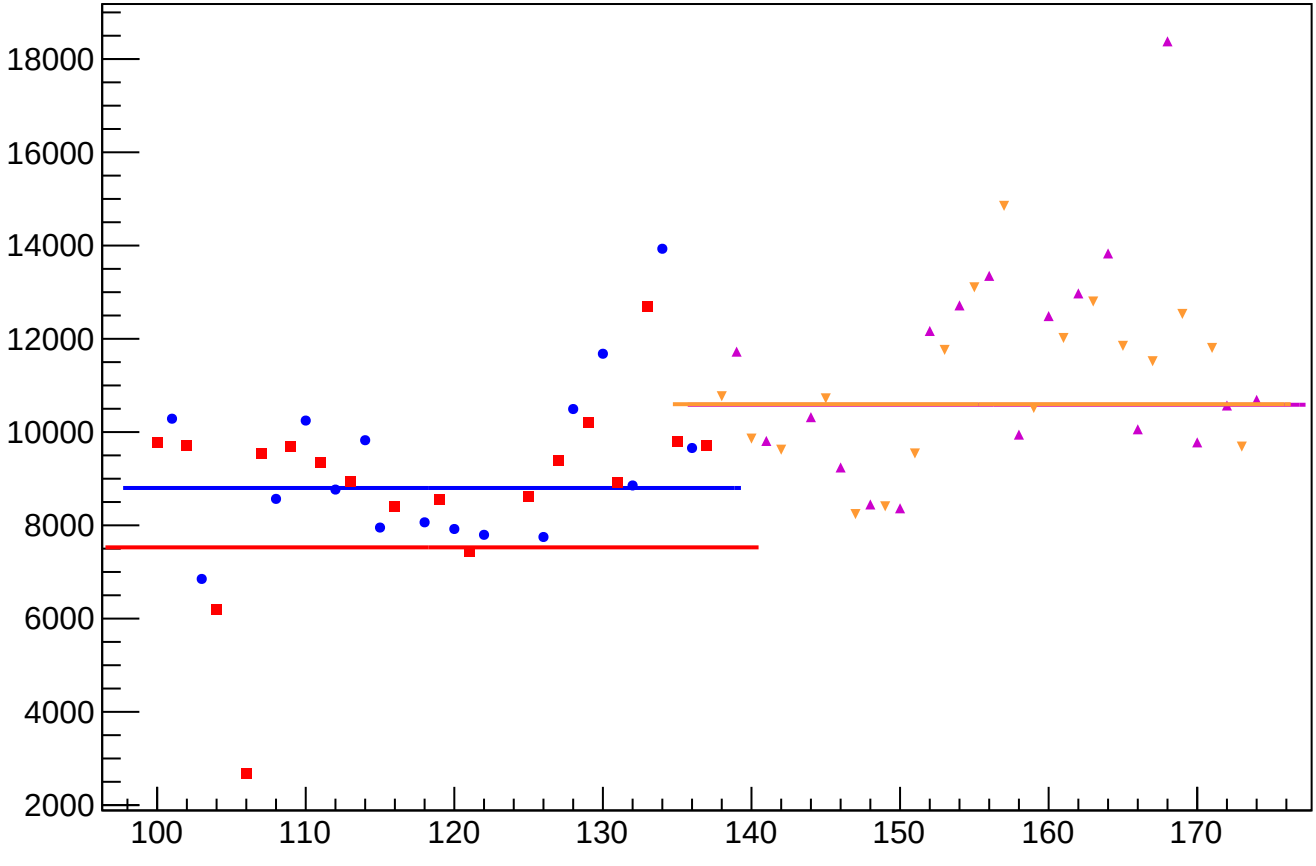
Right: 5867.751+/-2323.467 χ^2/NDF: 28.8/33

In: 5610.736+/-2141.831 χ^2/NDF:25.9/33

Out: 2493.933+/-2146.450 χ^2/NDF:34.8/35

All: 4055.691+/-1516.134 χ^2/NDF: 61.8/69

asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 8801.075+/-2.355 χ^2/NDF: 394575.1/15

Left Out: 10597.859+/-2.025 χ^2/NDF:659644.7/17

Right Out: 7527.803+/-2.128 χ^2/NDF: 1657299.8/17

Left In: 10585.998+/-1.978 χ^2/NDF:937336.0/17

Left: 10591.788+/-1.415 χ^2/NDF: 1596998.2/35

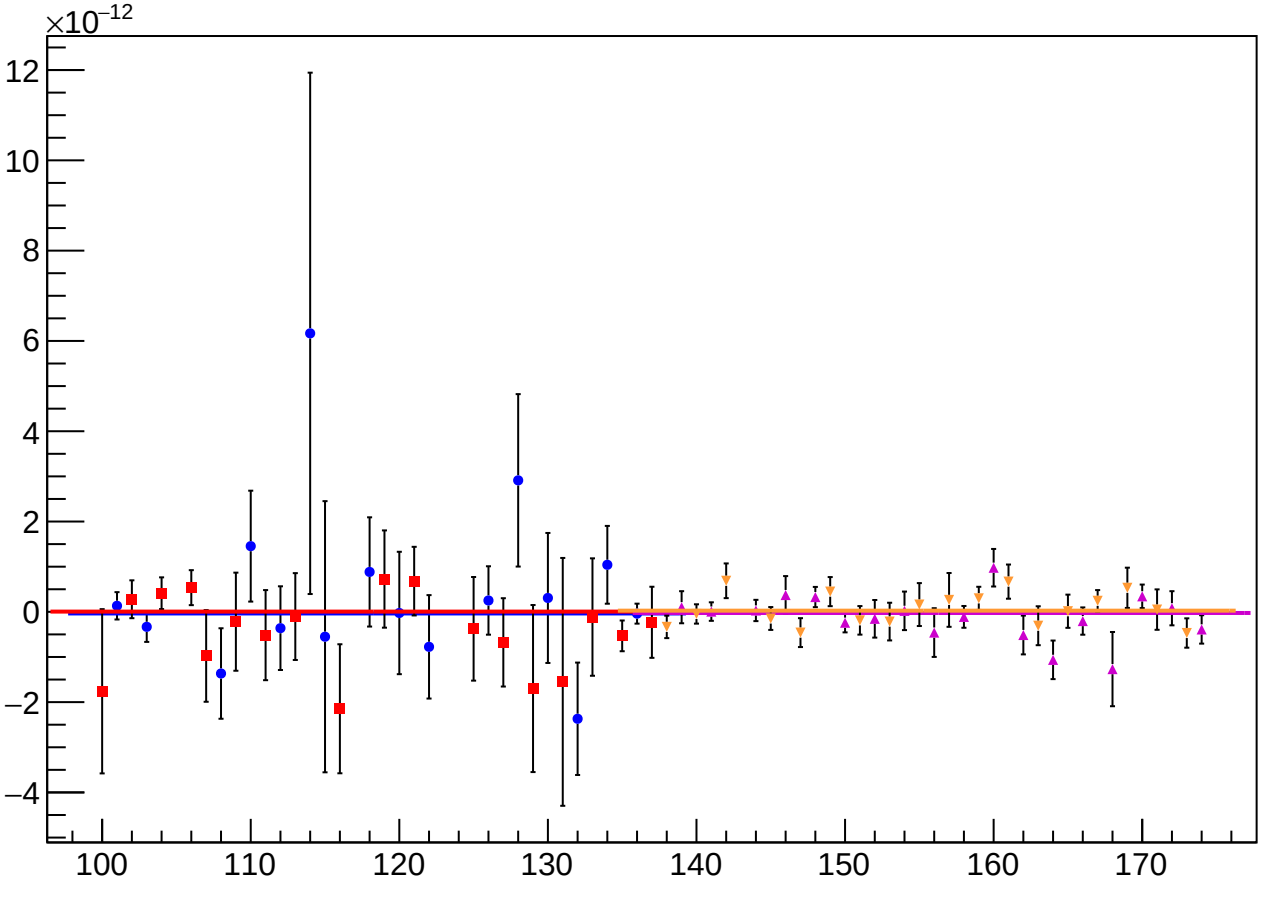
Right: 8100.150+/-1.579 χ^2/NDF: 2212756.1/33

In: 9847.977+/-1.514 χ^2/NDF:1668762.8/33

Out: 9139.226+/-1.467 χ^2/NDF:3409090.2/35

All: 9482.320+/-1.054 χ^2/NDF: 5190840.8/69

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.000 χ^2/NDF:24.5/17

Left: -0.000+/-0.000 χ^2/NDF: 44.6/35

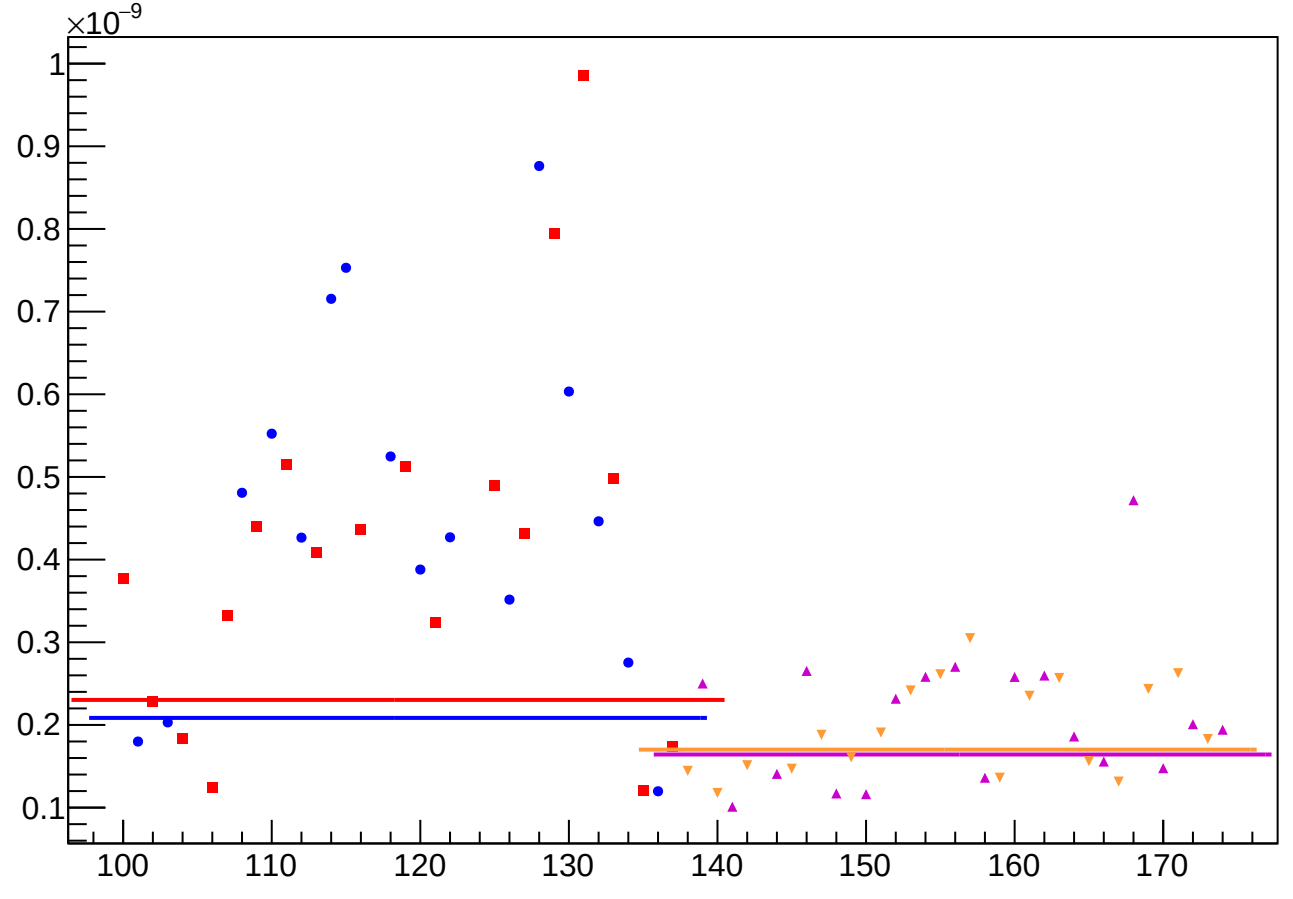
Right: -0.000+/-0.000 χ^2/NDF: 28.1/33

In: -0.000+/-0.000 χ^2/NDF:38.8/33

Out: 0.000+/-0.000 χ^2/NDF:33.5/35

All: -0.000+/-0.000 χ^2/NDF: 72.6/69

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1632322.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:787806.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1561654.8/17

Left In: 0.000+/-0.000 χ^2/NDF:1417524.2/17

Left: 0.000+/-0.000 χ^2/NDF: 2211747.2/35

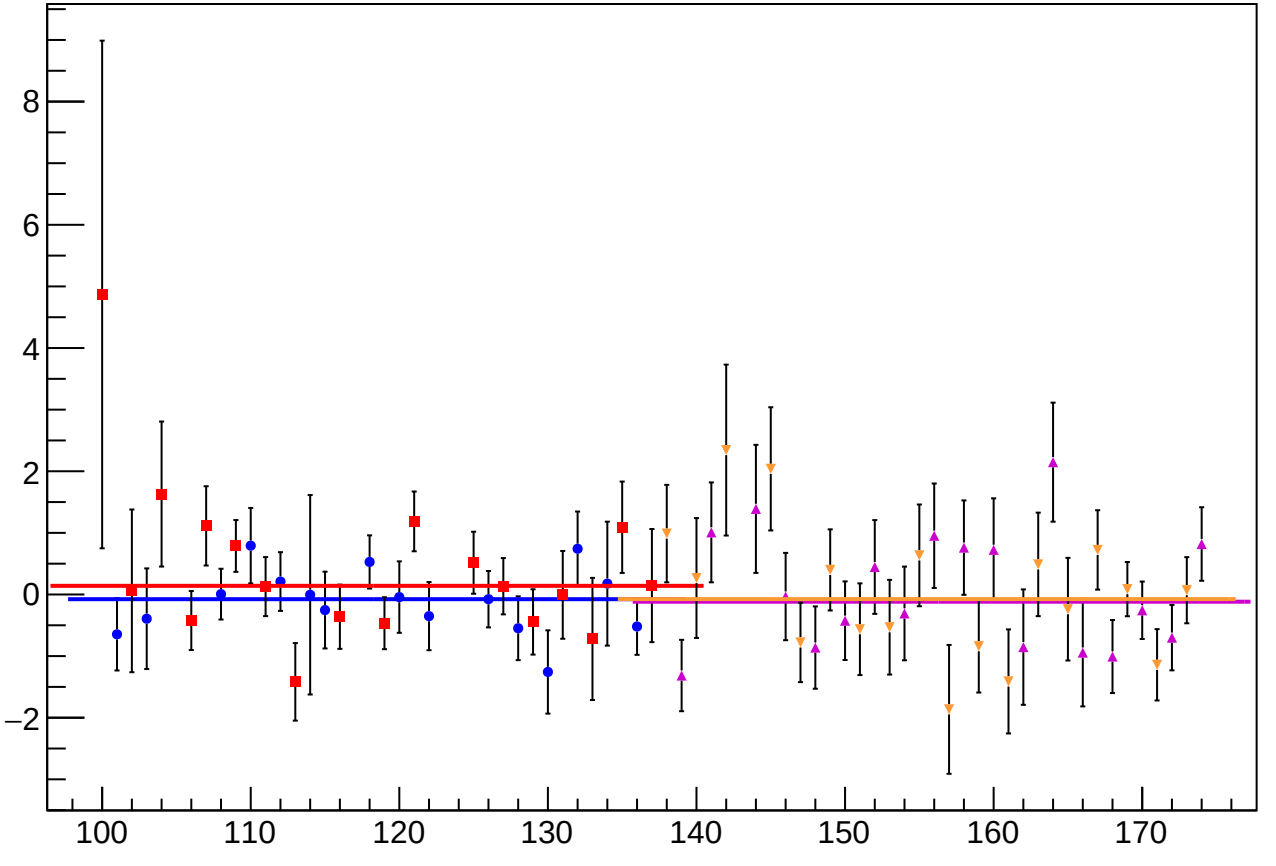
Right: 0.000+/-0.000 χ^2/NDF: 3215206.8/33

In: 0.000+/-0.000 χ^2/NDF:3204551.9/33

Out: 0.000+/-0.000 χ^2/NDF:2588626.4/35

All: 0.000+/-0.000 χ^2/NDF: 5808108.8/69

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.075+/-0.169 χ^2/NDF:24.8/17

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

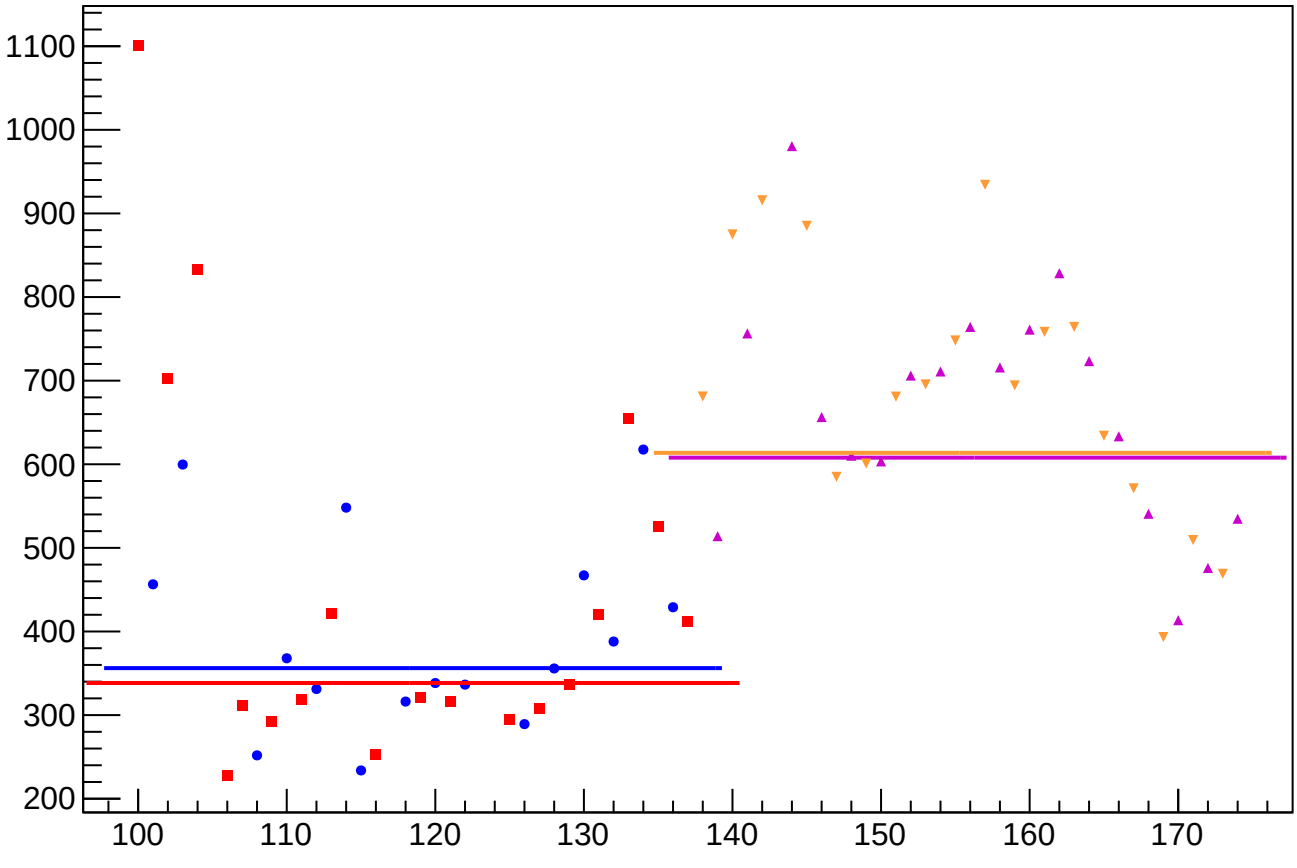
Left: -0.097+/-0.118 χ^2/NDF: 52.2/35

Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

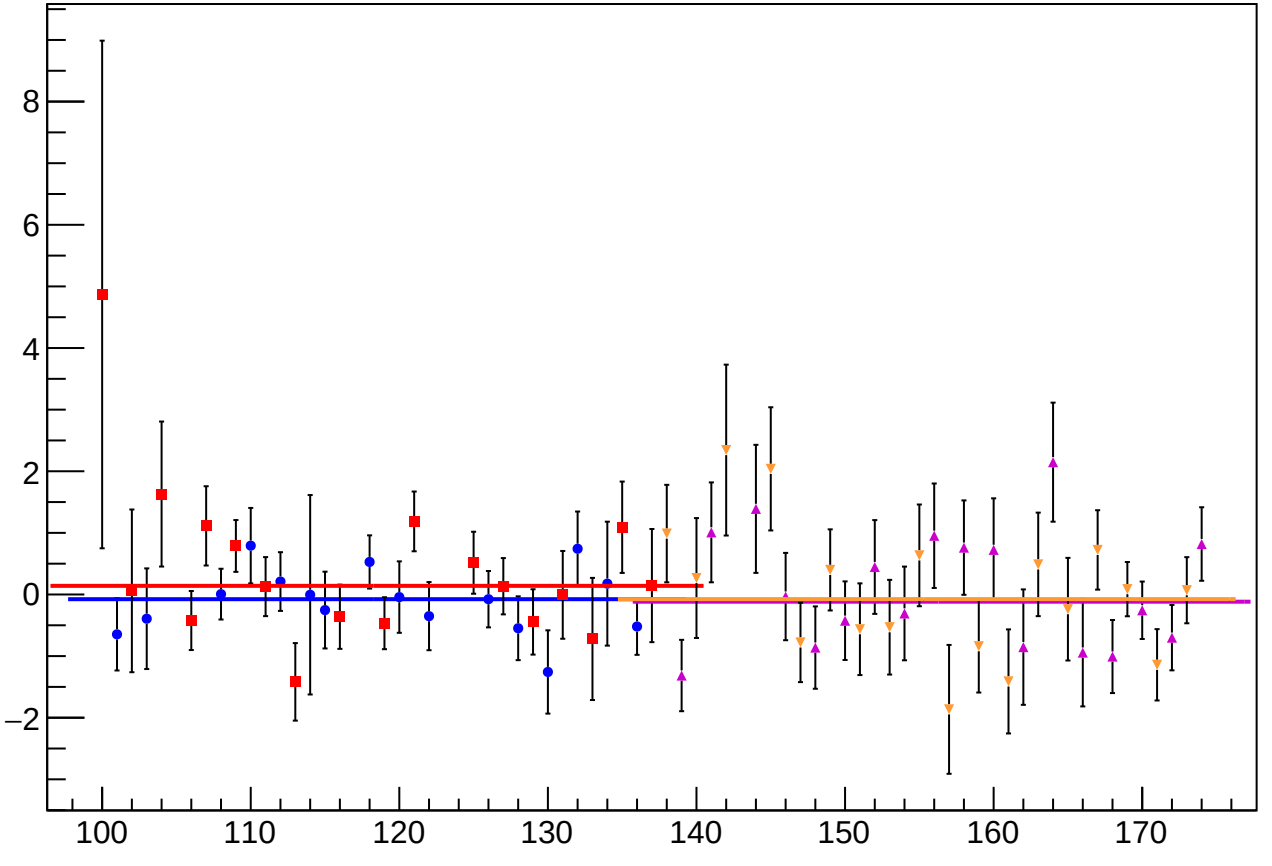
In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.054+/-0.107 χ^2/NDF:52.7/35

All: -0.020+/-0.075 χ^2/NDF: 93.6/69


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1100
1000
900
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 356.190+/-0.099 χ²/NDF: 785107.3/15
Left Out: 613.660+/-0.120 χ²/NDF:1552943.0/17
Right Out: 338.410+/-0.098 χ²/NDF: 1203282.0/17
Left In: 607.919+/-0.116 χ²/NDF:1299850.3/17
Left: 610.686+/-0.083 χ²/NDF: 2853982.5/35
Right: 347.176+/-0.069 χ²/NDF: 2004764.4/33
In: 462.633+/-0.075 χ²/NDF:4823003.5/33
Out: 448.146+/-0.076 χ²/NDF:5929636.8/35
All: 455.437+/-0.053 χ²/NDF: 10771095.5/69

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.075+/-0.169 χ^2/NDF:24.8/17

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

Left: -0.097+/-0.118 χ^2/NDF: 52.2/35

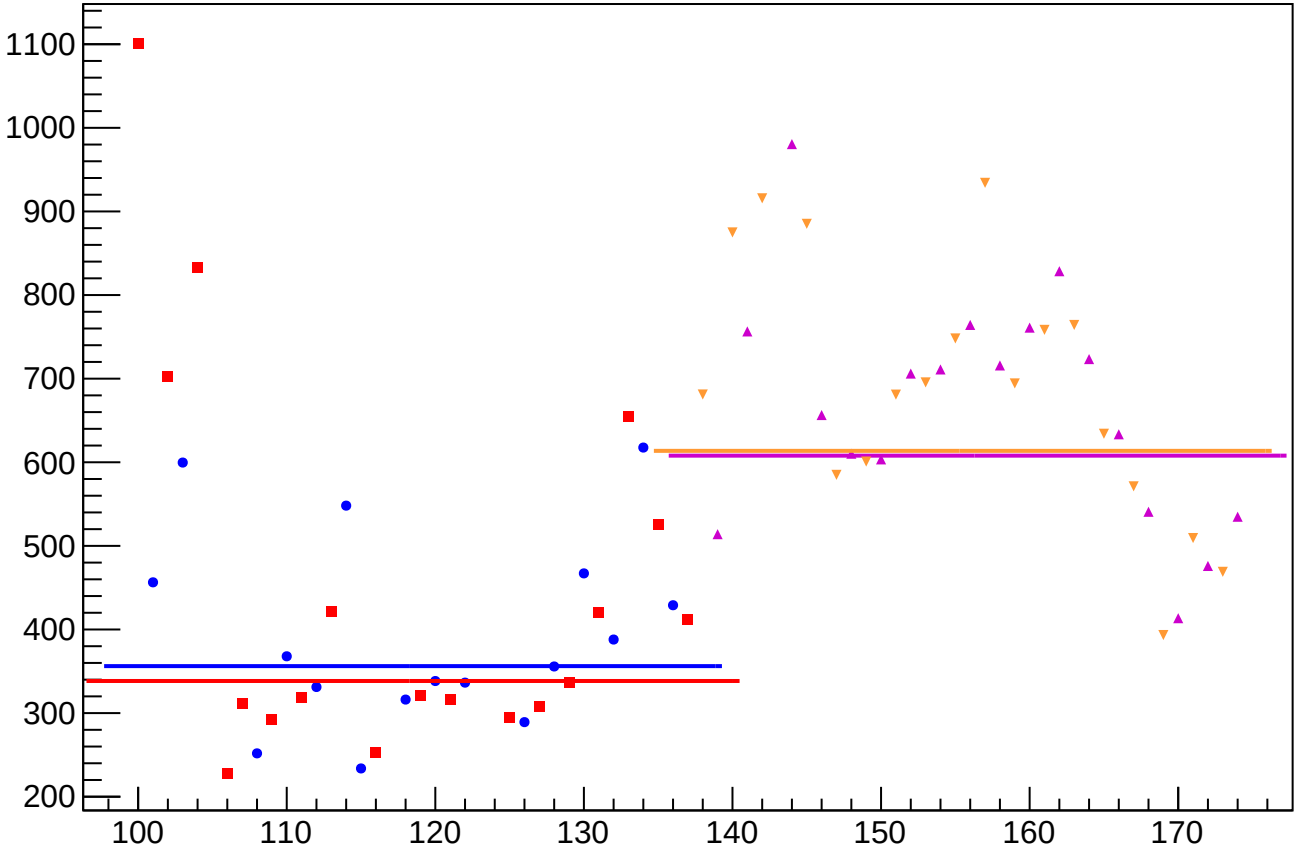
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.054+/-0.107 χ^2/NDF:52.7/35

All: -0.020+/-0.075 χ^2/NDF: 93.6/69

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.190+/-0.099 χ^2/NDF: 785107.3/15

Left Out: 613.660+/-0.120 χ^2/NDF:1552943.0/17

Right Out: 338.410+/-0.098 χ^2/NDF: 1203282.0/17

Left In: 607.919+/-0.116 χ^2/NDF:1299850.3/17

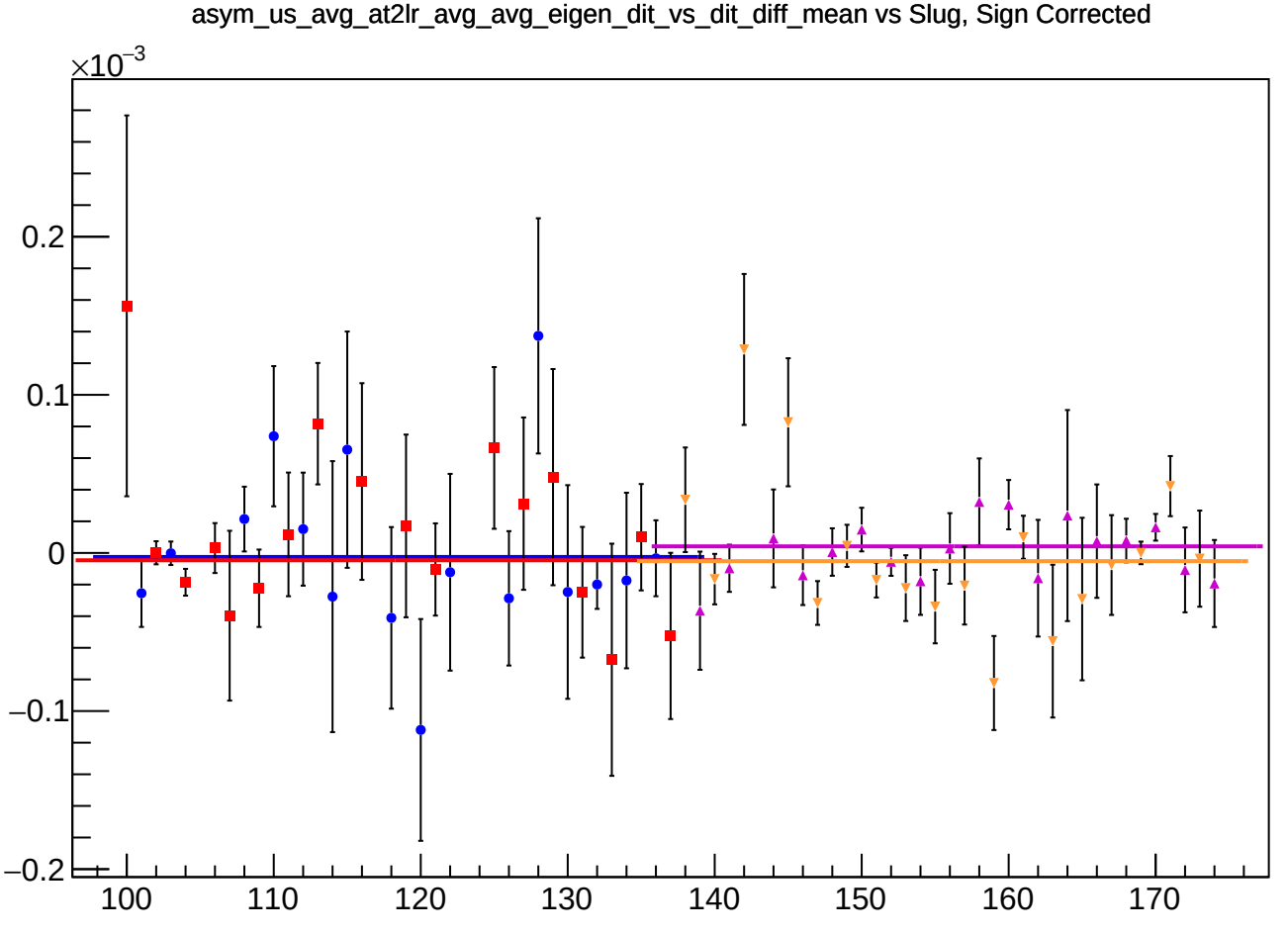
Left: 610.686+/-0.083 χ^2/NDF: 2853982.5/35

Right: 347.176+/-0.069 χ^2/NDF: 2004764.4/33

In: 462.633+/-0.075 χ^2/NDF:4823003.5/33

Out: 448.146+/-0.076 χ^2/NDF:5929636.8/35

All: 455.437+/-0.053 χ^2/NDF: 10771095.5/69



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

Left Out: -0.000+/-0.000 χ^2/NDF:38.4/17

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

Left In: 0.000+/-0.000 χ^2/NDF:13.4/17

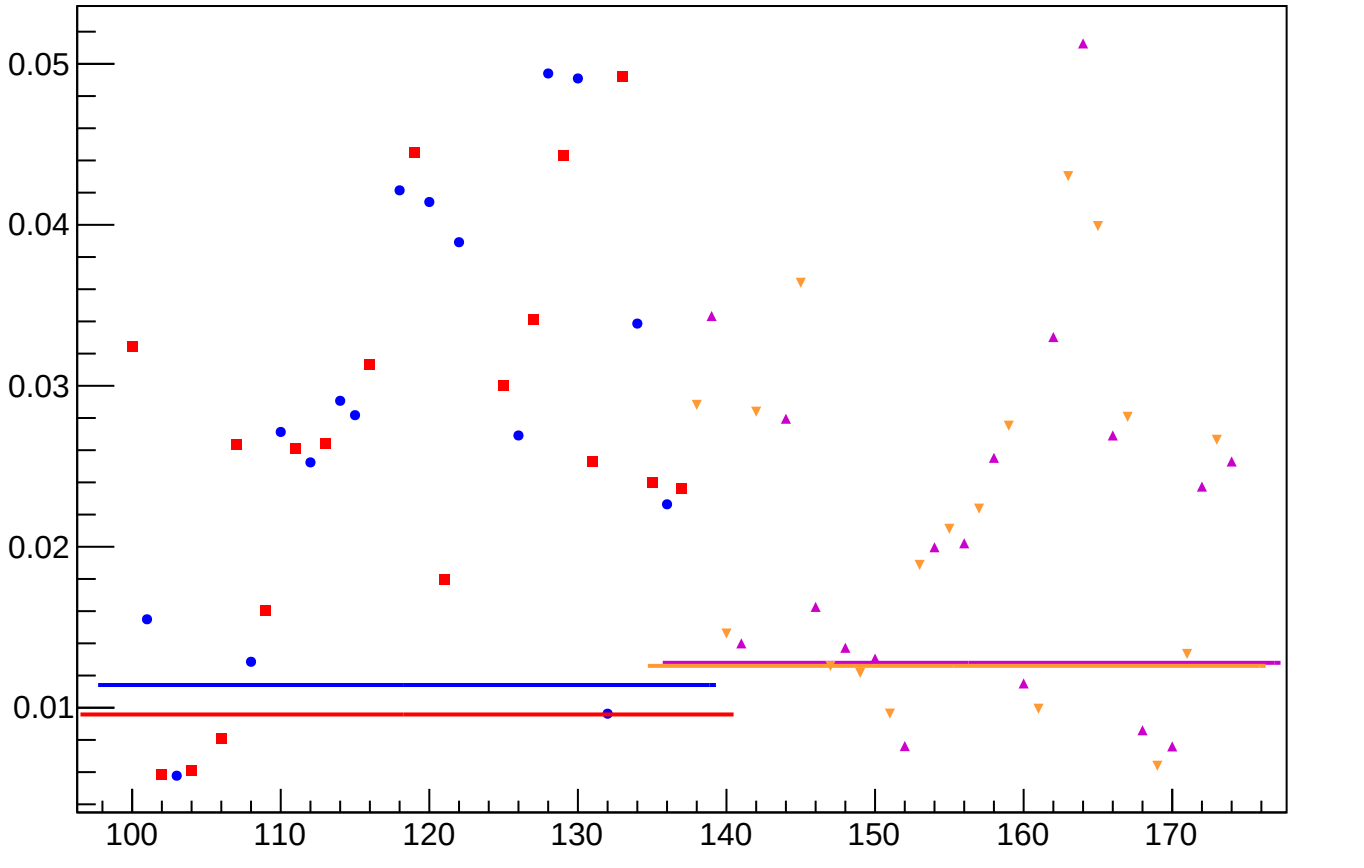
Left: -0.000+/-0.000 χ^2/NDF: 54.6/35

Right: -0.000+/-0.000 χ^2/NDF: 32.2/33

In: 0.000+/-0.000 χ^2/NDF:29.4/33

Out: -0.000+/-0.000 χ^2/NDF:55.5/35

All: -0.000+/-0.000 χ^2/NDF: 87.4/69



Right In: 0.011+/-0.000 χ^2/NDF: 5500651.2/15

Left Out: 0.013+/-0.000 χ^2/NDF:6696660.6/17

Right Out: 0.010+/-0.000 χ^2/NDF: 5787700.4/17

Left In: 0.013+/-0.000 χ^2/NDF:6068098.4/17

Left: 0.013+/-0.000 χ^2/NDF: 12767034.0/35

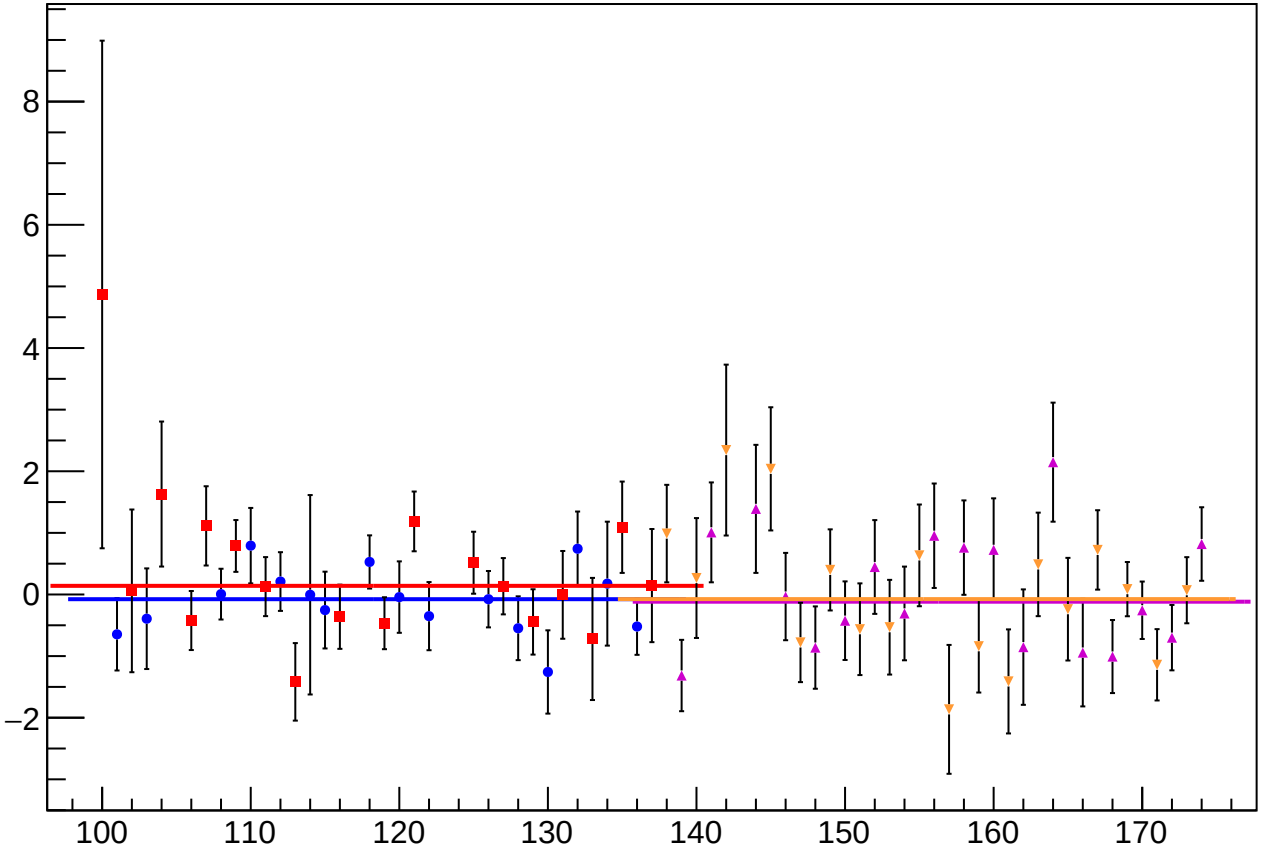
Right: 0.010+/-0.000 χ^2/NDF: 11414181.9/33

In: 0.012+/-0.000 χ^2/NDF:11650772.1/33

Out: 0.011+/-0.000 χ^2/NDF:12961235.5/35

All: 0.012+/-0.000 χ^2/NDF: 24712067.4/69

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: -0.075+/-0.169 χ^2/NDF:24.8/17

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

Left: -0.097+/-0.118 χ^2/NDF: 52.2/35

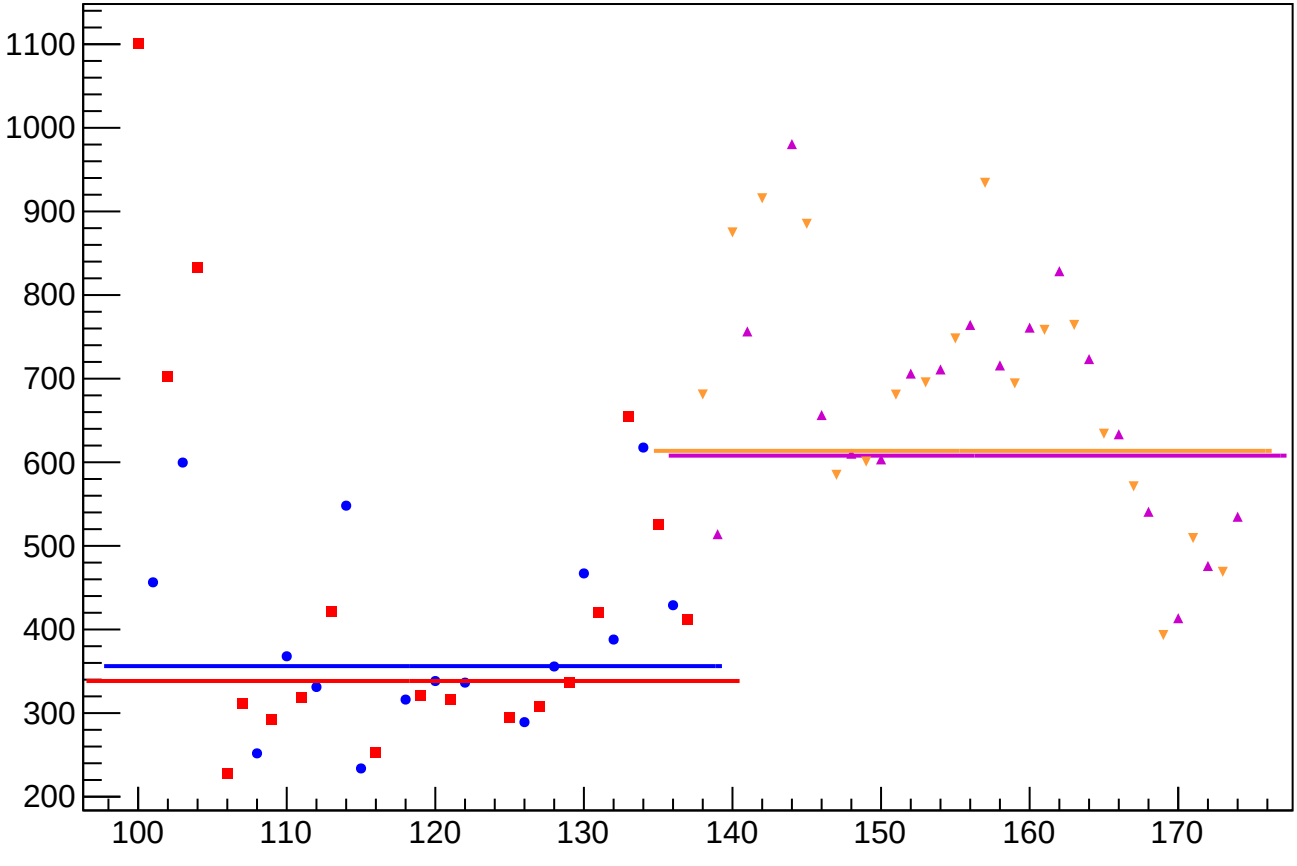
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.054+/-0.107 χ^2/NDF:52.7/35

All: -0.020+/-0.075 χ^2/NDF: 93.6/69

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 613.660+/-0.120 χ^2/NDF:1553110.7/17

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 607.922+/-0.116 χ^2/NDF:1299961.5/17

Left: 610.687+/-0.083 χ^2/NDF: 2854260.5/35

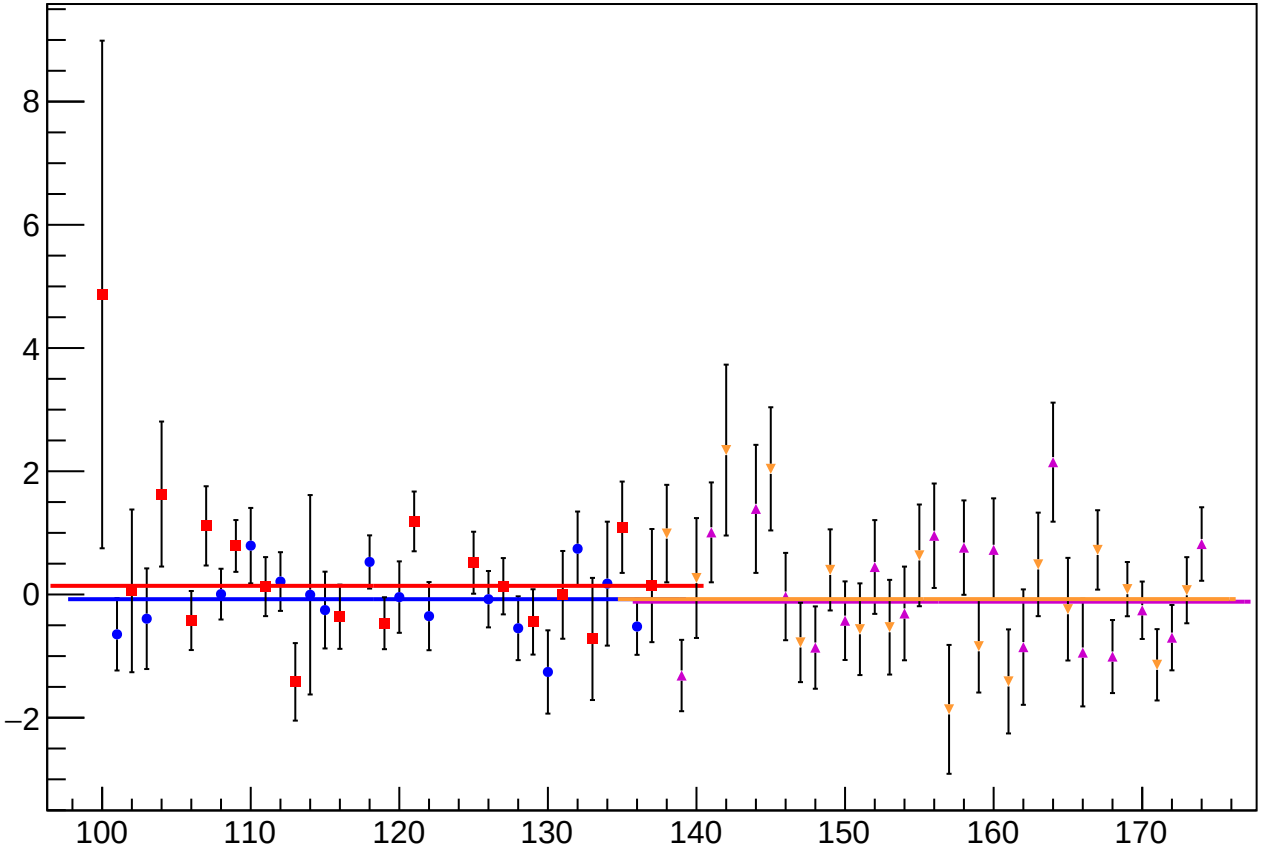
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 462.632+/-0.075 χ^2/NDF:4823157.2/33

Out: 448.143+/-0.076 χ^2/NDF:5929837.7/35

All: 455.435+/-0.053 χ^2/NDF: 10771453.7/69

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.076+/-0.140 χ^2/NDF: 12.5/15

Left Out: -0.075+/-0.169 χ^2/NDF:24.8/17

Right Out: 0.140+/-0.138 χ^2/NDF: 27.0/17

Left In: -0.117+/-0.163 χ^2/NDF:27.4/17

Left: -0.097+/-0.118 χ^2/NDF: 52.2/35

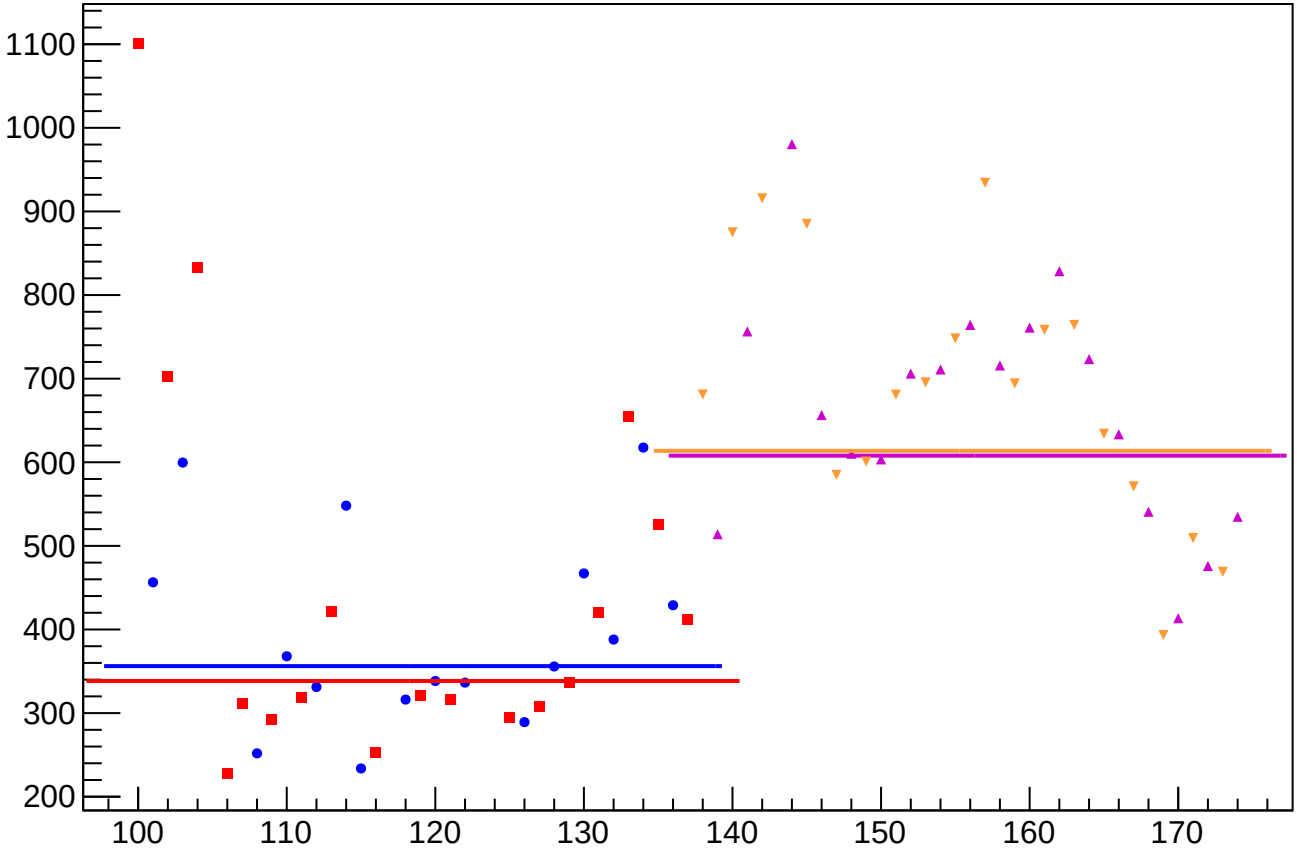
Right: 0.033+/-0.098 χ^2/NDF: 40.7/33

In: -0.094+/-0.106 χ^2/NDF:39.9/33

Out: 0.054+/-0.107 χ^2/NDF:52.7/35

All: -0.020+/-0.075 χ^2/NDF: 93.6/69

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 356.188+/-0.099 χ^2/NDF: 785072.9/15

Left Out: 613.660+/-0.120 χ^2/NDF:1553110.7/17

Right Out: 338.408+/-0.098 χ^2/NDF: 1203260.7/17

Left In: 607.922+/-0.116 χ^2/NDF:1299961.5/17

Left: 610.687+/-0.083 χ^2/NDF: 2854260.5/35

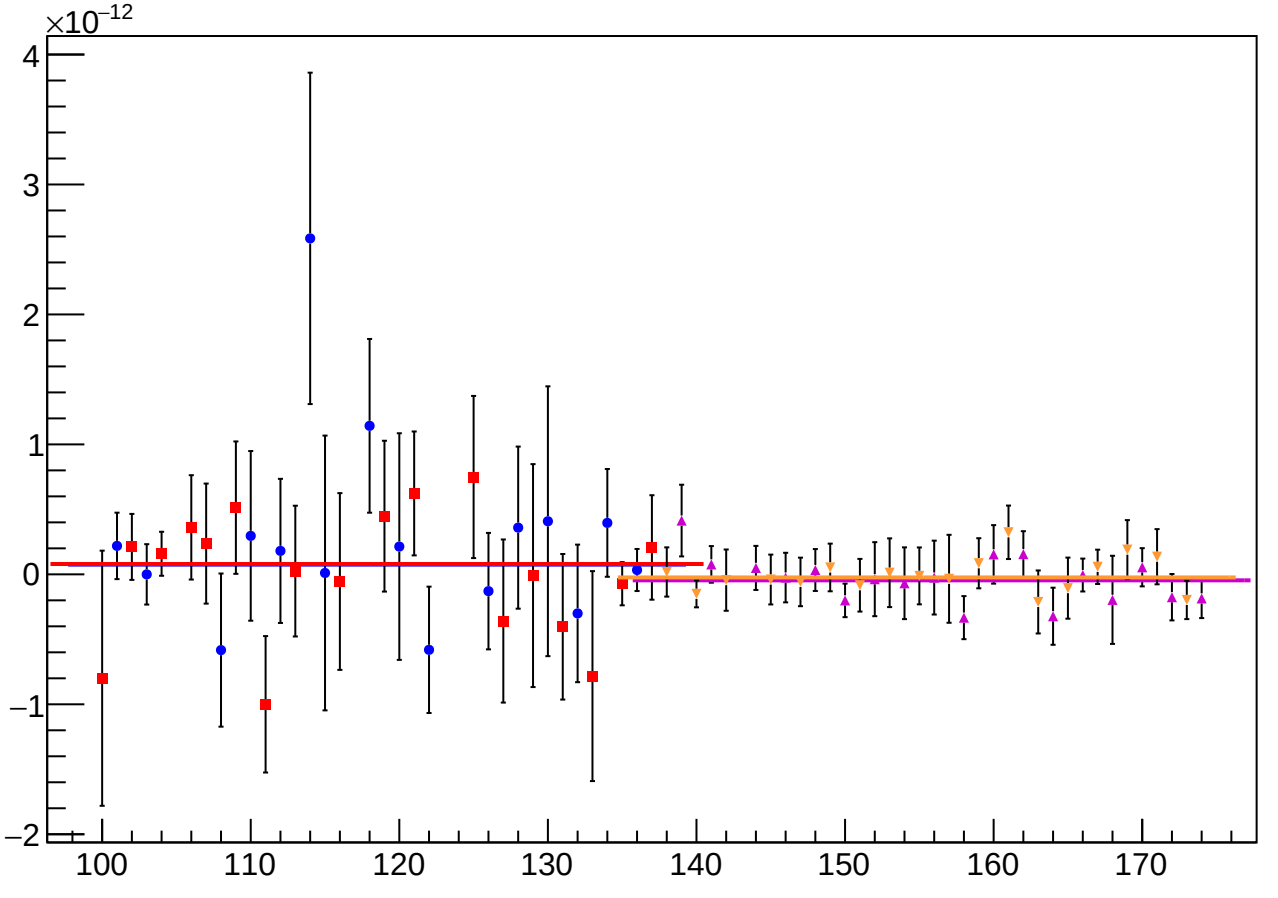
Right: 347.175+/-0.069 χ^2/NDF: 2004710.0/33

In: 462.632+/-0.075 χ^2/NDF:4823157.2/33

Out: 448.143+/-0.076 χ^2/NDF:5929837.7/35

All: 455.435+/-0.053 χ^2/NDF: 10771453.7/69

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:9.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 13.1/17

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

Left: -0.000+/-0.000 χ^2/NDF: 23.5/35

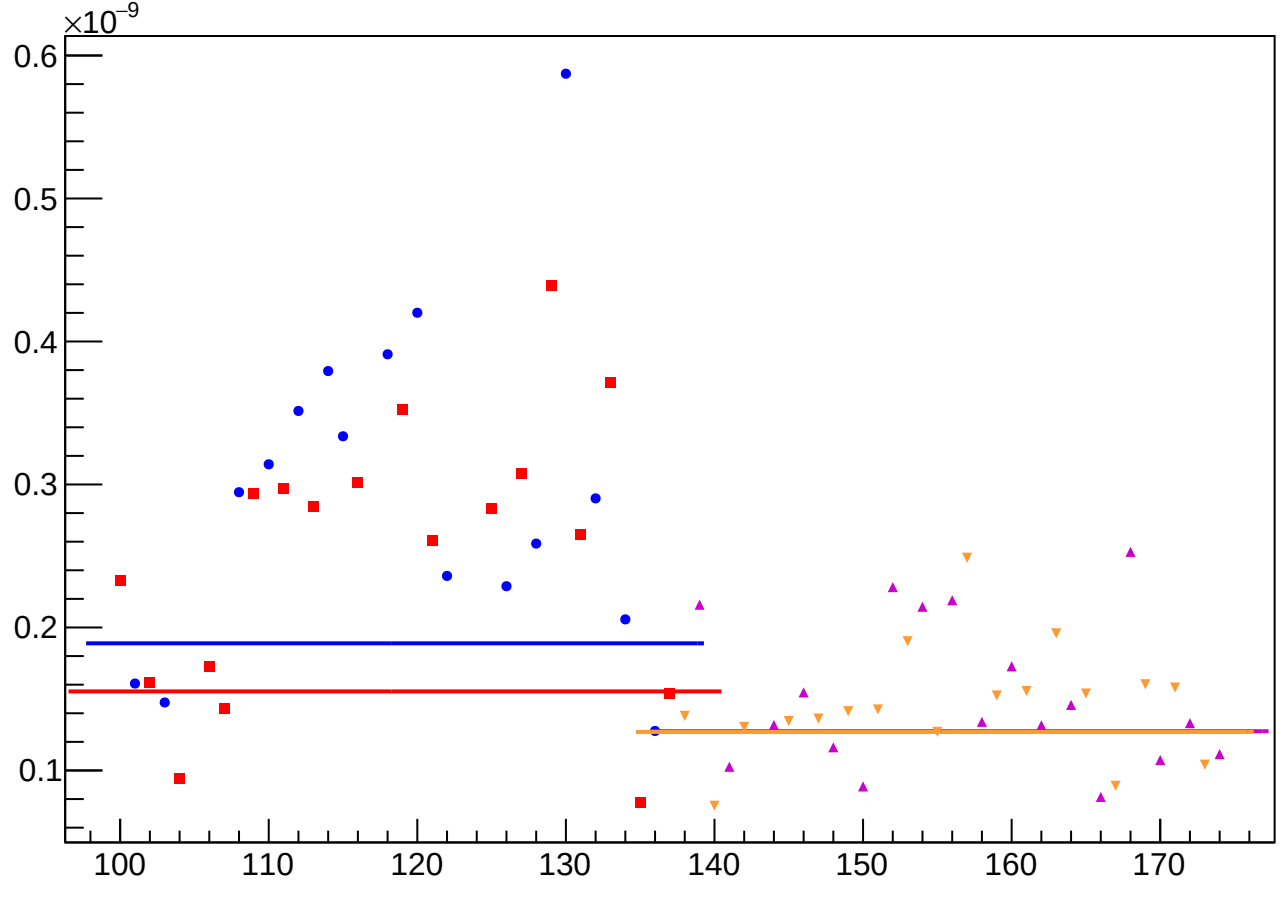
Right: 0.000+/-0.000 χ^2/NDF: 24.9/33

In: -0.000+/-0.000 χ^2/NDF:27.5/33

Out: -0.000+/-0.000 χ^2/NDF:23.2/35

All: -0.000+/-0.000 χ^2/NDF: 50.9/69

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1520620.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1465728.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2200687.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1854364.3/17

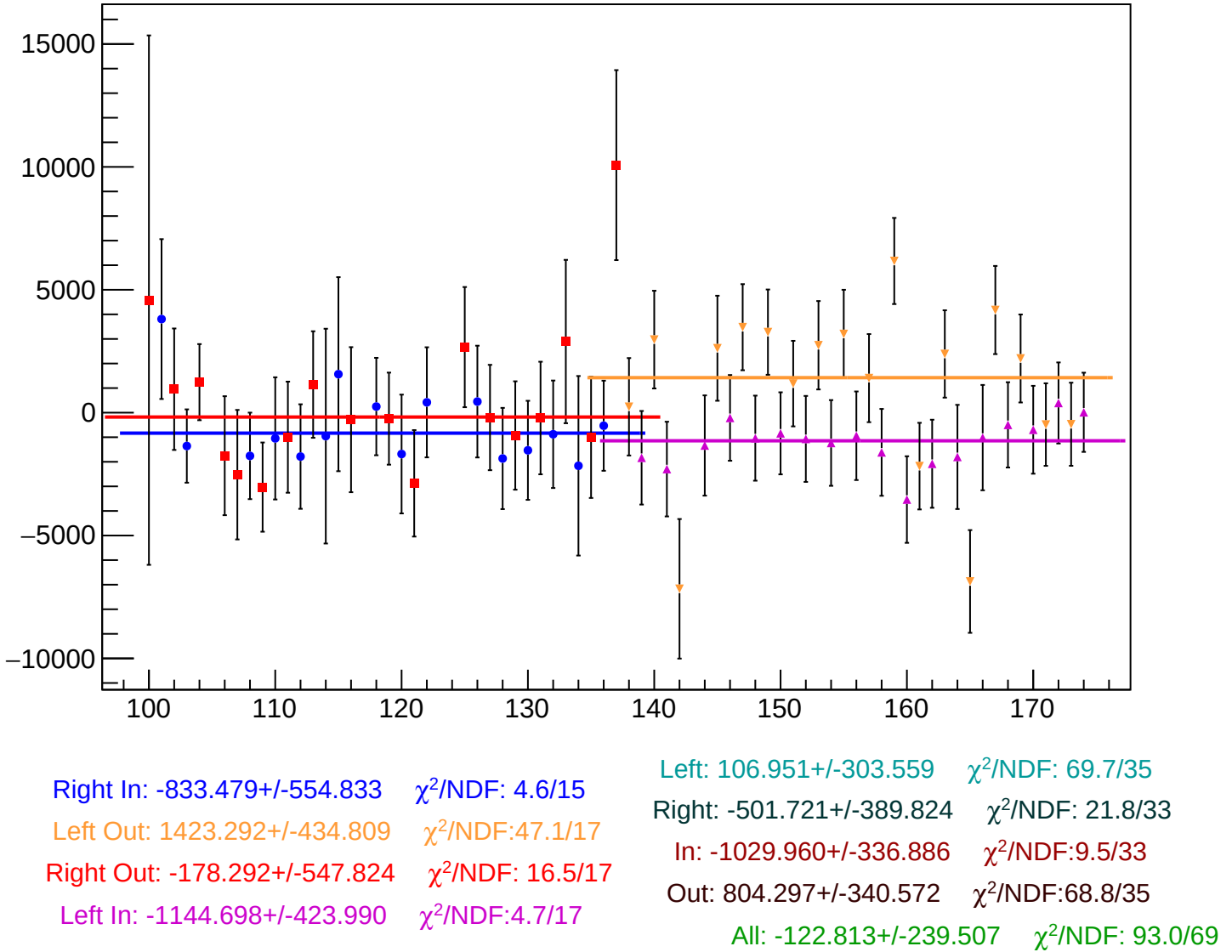
Left: 0.000+/-0.000 χ^2/NDF: 3320227.7/35

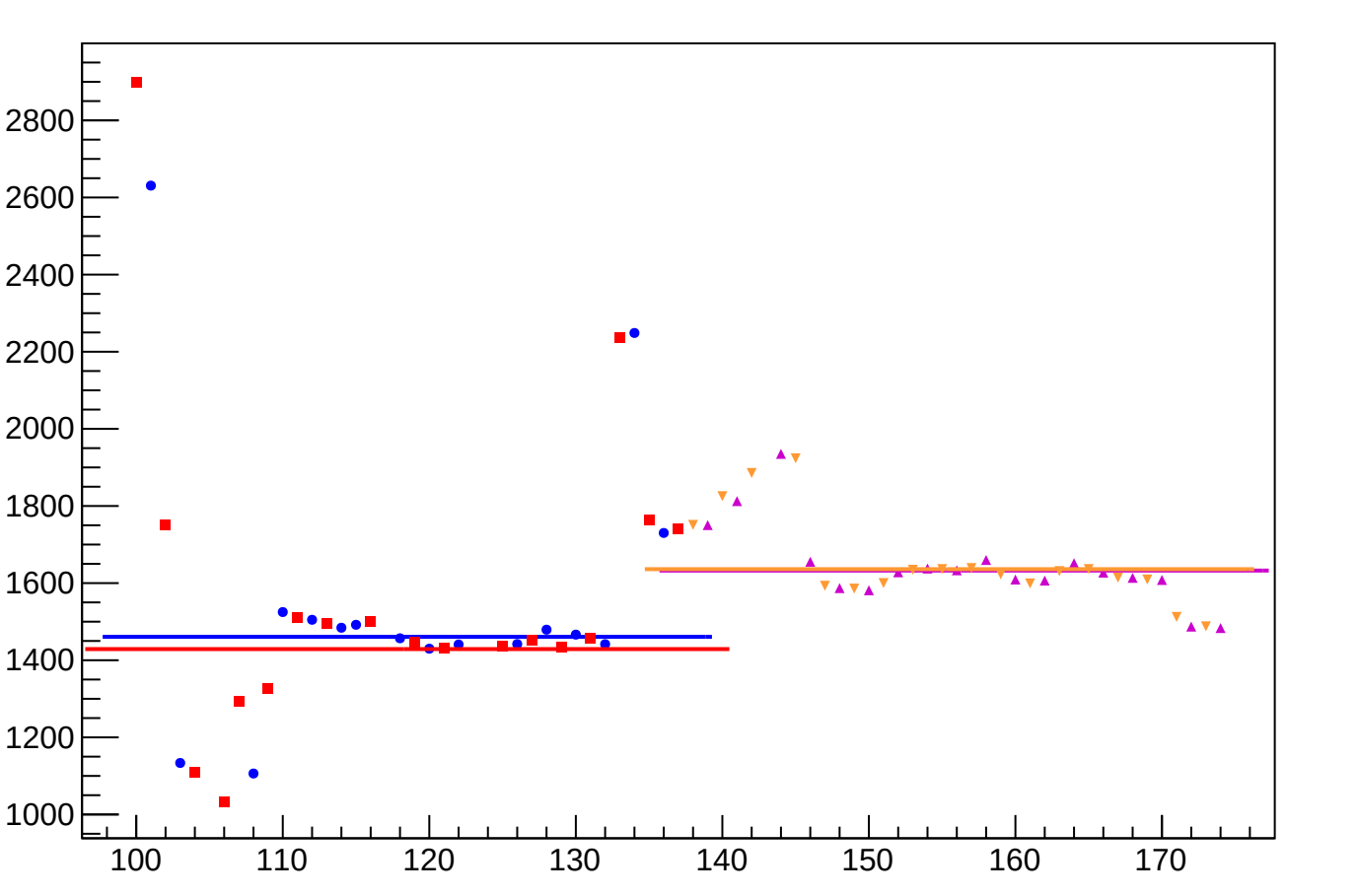
Right: 0.000+/-0.000 χ^2/NDF: 3857679.7/33

In: 0.000+/-0.000 χ^2/NDF:4057917.9/33

Out: 0.000+/-0.000 χ^2/NDF:3840508.7/35

All: 0.000+/-0.000 χ^2/NDF: 7911753.1/69


reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -833.479+/-554.833 χ²/NDF: 4.6/15
Left Out: 1423.292+/-434.809 χ²/NDF:47.1/17
Right Out: -178.292+/-547.824 χ²/NDF: 16.5/17
Left In: -1144.698+/-423.990 χ²/NDF:4.7/17
Left: 106.951+/-303.559 χ²/NDF: 69.7/35
Right: -501.721+/-389.824 χ²/NDF: 21.8/33
In: -1029.960+/-336.886 χ²/NDF:9.5/33
Out: 804.297+/-340.572 χ²/NDF:68.8/35
All: -122.813+/-239.507 χ²/NDF: 93.0/69



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.1/15

Left Out: 1636.176+/-0.307 χ^2/NDF:108242.4/17

Right Out: 1428.940+/-0.385 χ^2/NDF: 411275.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

Left: 1634.320+/-0.215 χ^2/NDF: 215795.3/35

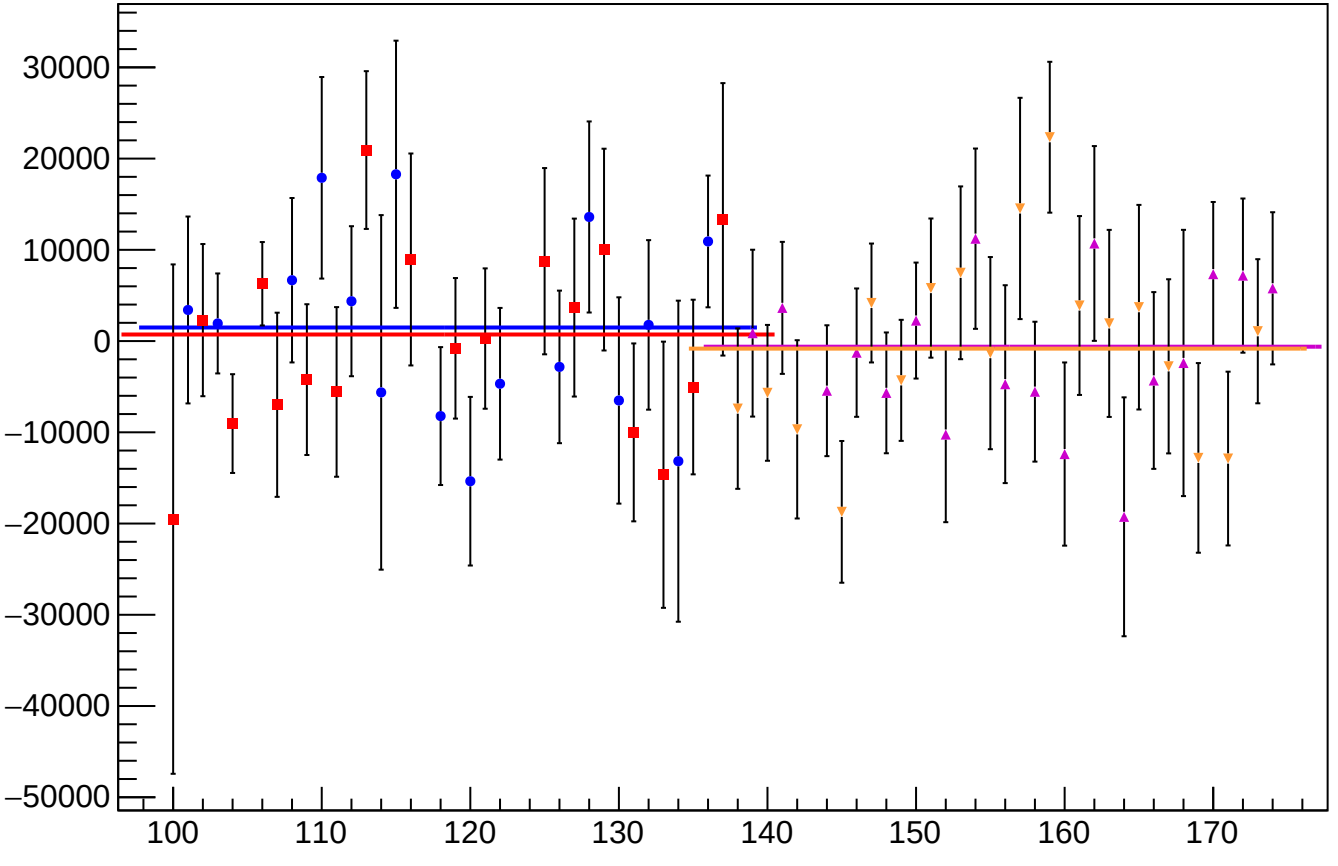
Right: 1444.478+/-0.275 χ^2/NDF: 990344.6/33

In: 1569.180+/-0.238 χ^2/NDF:804424.3/33

Out: 1555.352+/-0.240 χ^2/NDF:696707.1/35

All: 1562.322+/-0.169 χ^2/NDF: 1502802.7/69

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 1487.438+/-2268.028 χ^2/NDF: 14.2/15

Left Out: -828.418+/-2048.707 χ^2/NDF:22.5/17

Right Out: 720.166+/-2011.559 χ^2/NDF: 17.5/17

Left In: -617.280+/-2003.441 χ^2/NDF:11.8/17

Left: -720.491+/-1432.383 χ^2/NDF: 34.2/35

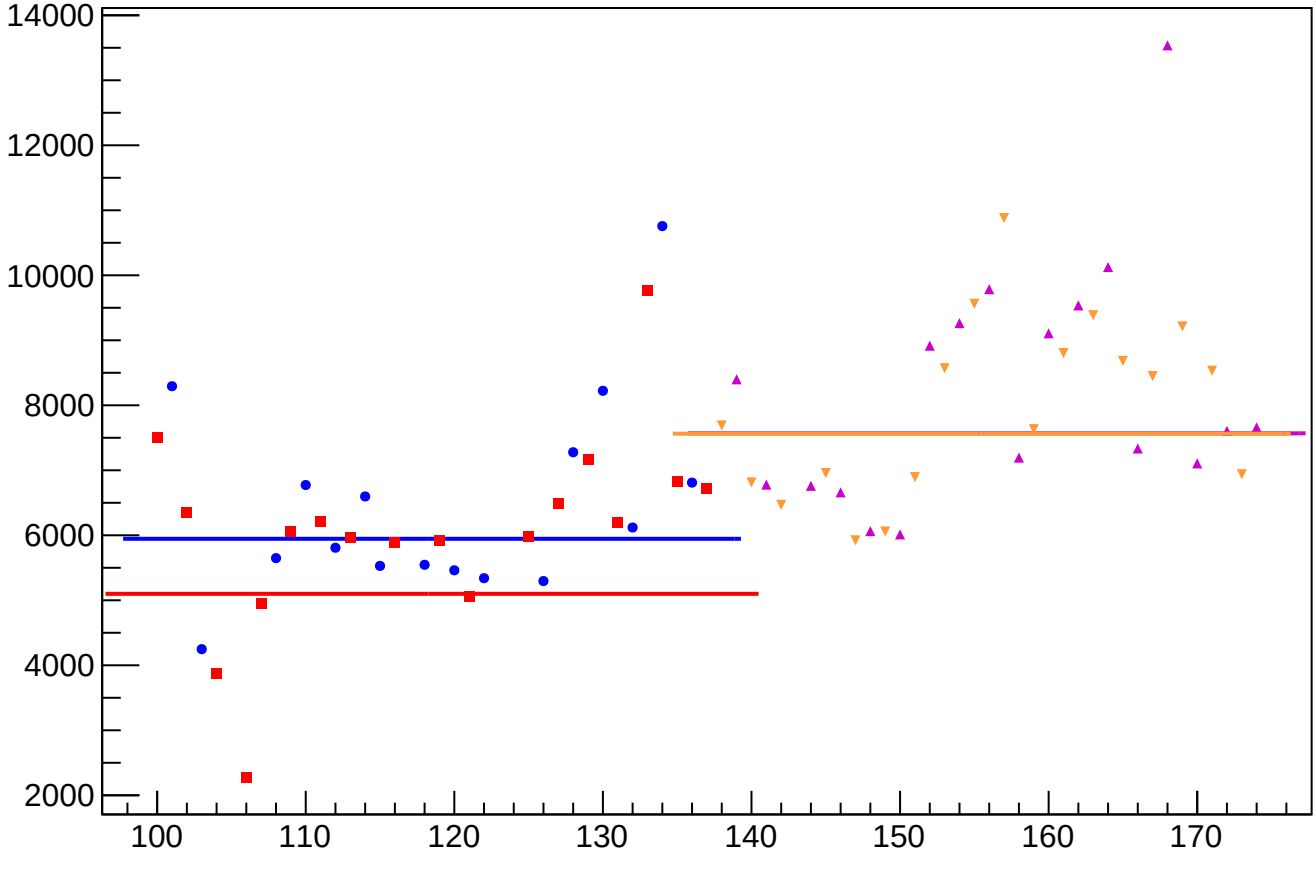
Right: 1057.985+/-1504.928 χ^2/NDF: 31.8/33

In: 305.205+/-1501.520 χ^2/NDF:26.4/33

Out: -39.958+/-1435.340 χ^2/NDF:40.3/35

All: 124.849+/-1037.546 χ^2/NDF: 66.7/69

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 5946.080+/-1.604 χ^2/NDF: 641131.4/15

Left Out: 7562.808+/-1.449 χ^2/NDF:763466.9/17

Right Out: 5099.375+/-1.422 χ^2/NDF: 1480367.2/17

Left In: 7568.611+/-1.417 χ^2/NDF:1042904.2/17

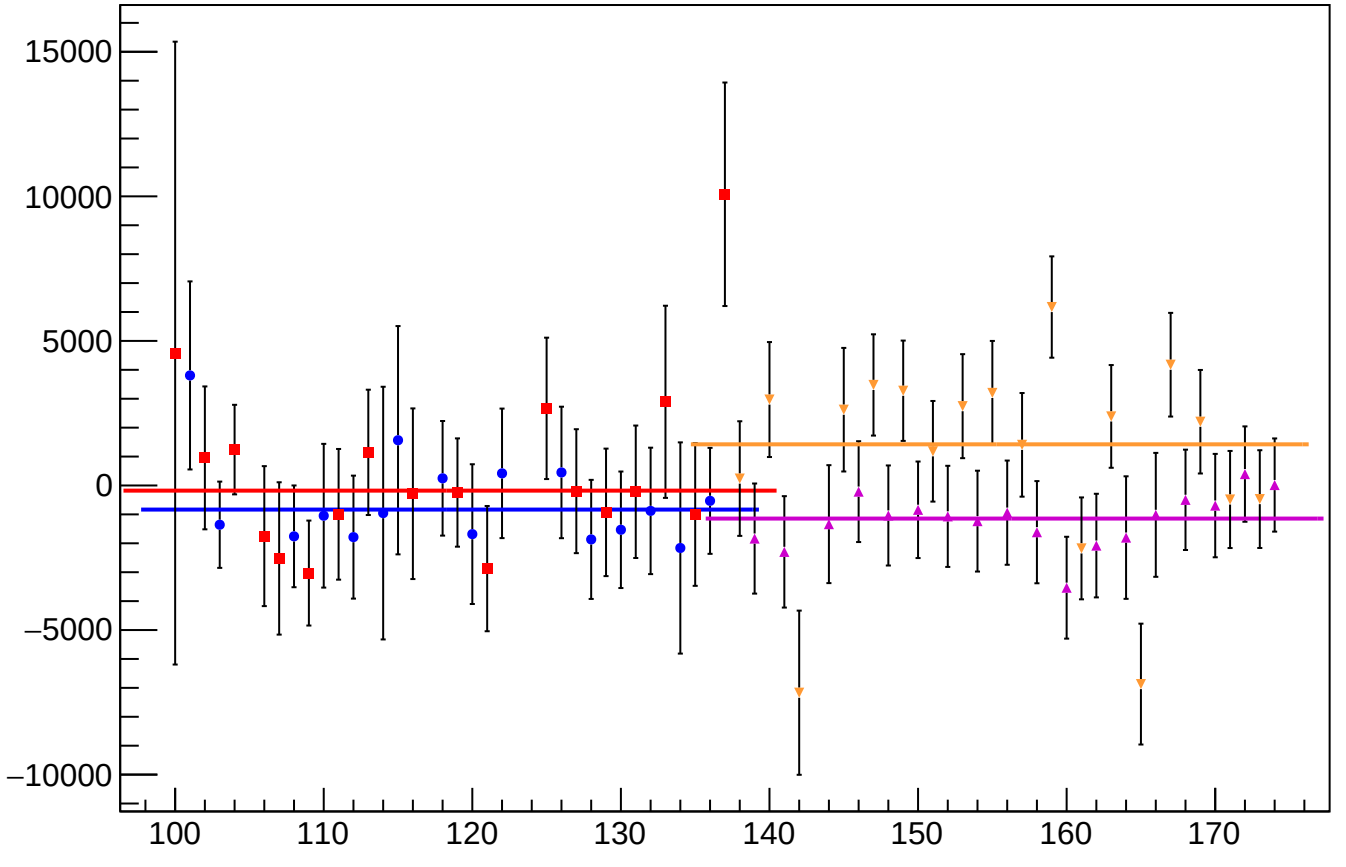
Left: 7565.774+/-1.013 χ^2/NDF: 1806379.3/35

Right: 5472.167+/-1.064 χ^2/NDF: 2277512.7/33

In: 6857.466+/-1.062 χ^2/NDF:2258983.7/33

Out: 6308.554+/-1.015 χ^2/NDF:3716134.1/35

All: 6570.647+/-0.734 χ^2/NDF: 6114779.6/69



Right In: -833.542+/-554.833 χ^2/NDF: 4.6/15

Left Out: 1423.385+/-434.809 χ^2/NDF:47.1/17

Right Out: -178.133+/-547.824 χ^2/NDF: 16.5/17

Left In: -1144.625+/-423.990 χ^2/NDF:4.7/17

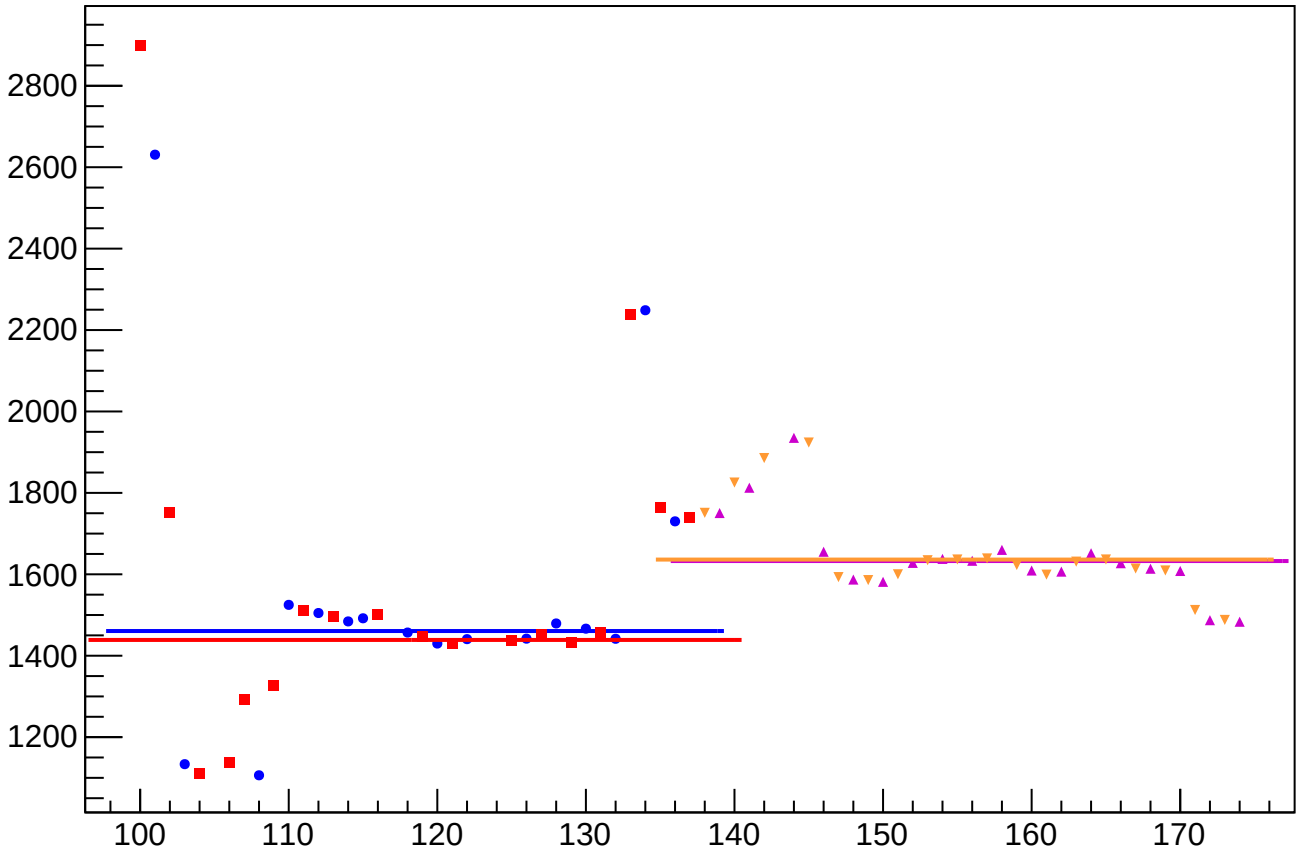
Left: 107.034+/-303.559 χ^2/NDF: 69.7/35

Right: -501.671+/-389.824 χ^2/NDF: 21.8/33

In: -1029.937+/-336.886 χ^2/NDF:9.5/33

Out: 804.415+/-340.572 χ^2/NDF:68.8/35

All: -122.743+/-239.507 χ^2/NDF: 93.0/69



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1636.176+/-0.307 χ^2/NDF:108242.4/17

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

Left: 1634.320+/-0.215 χ^2/NDF: 215795.3/35

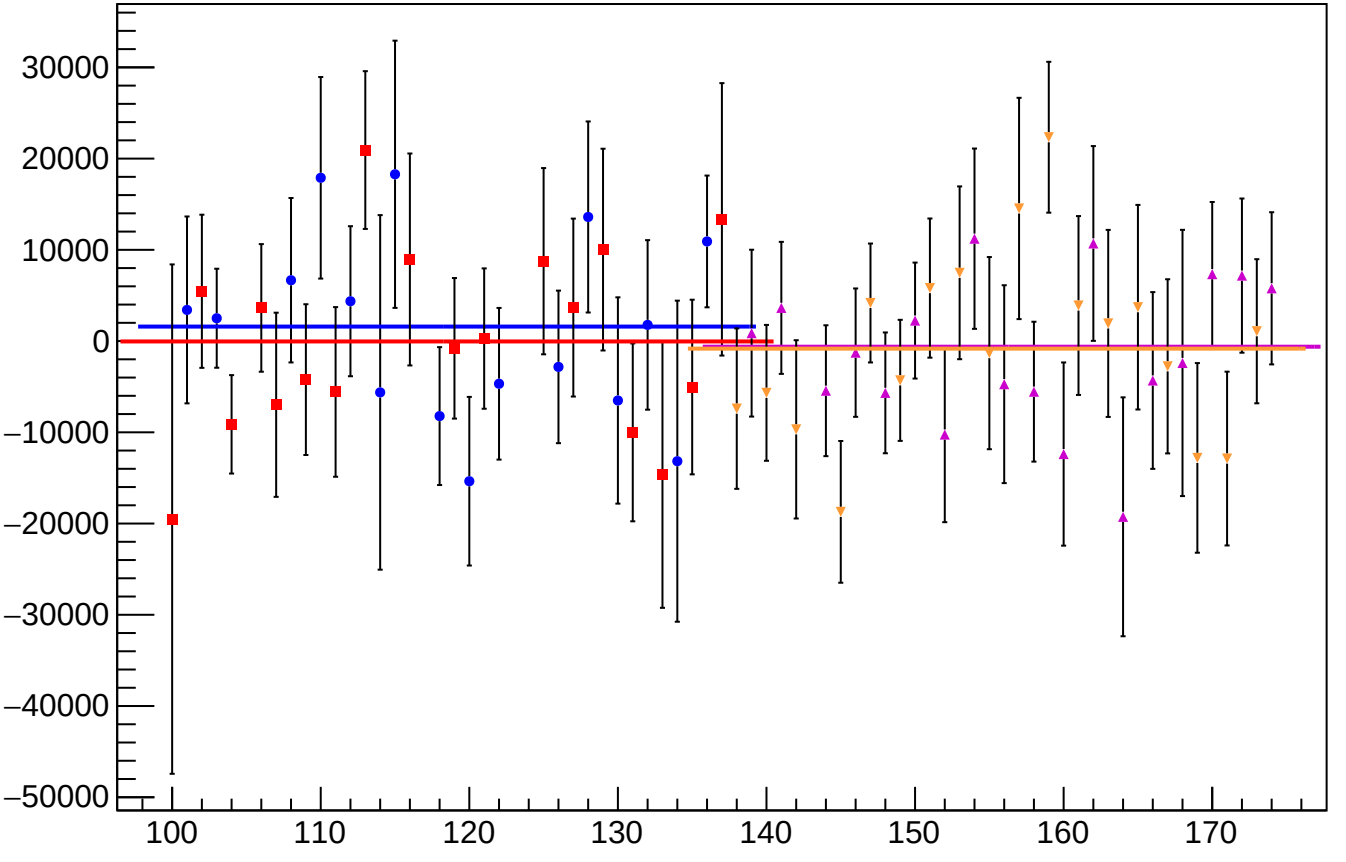
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1569.180+/-0.238 χ^2/NDF:804424.7/33

Out: 1559.664+/-0.241 χ^2/NDF:641403.1/35

All: 1564.470+/-0.169 χ^2/NDF: 1446617.8/69

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -828.397+/-2048.707 χ^2/NDF:22.5/17

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -617.299+/-2003.439 χ^2/NDF:11.8/17

Left: -720.490+/-1432.382 χ^2/NDF: 34.2/35

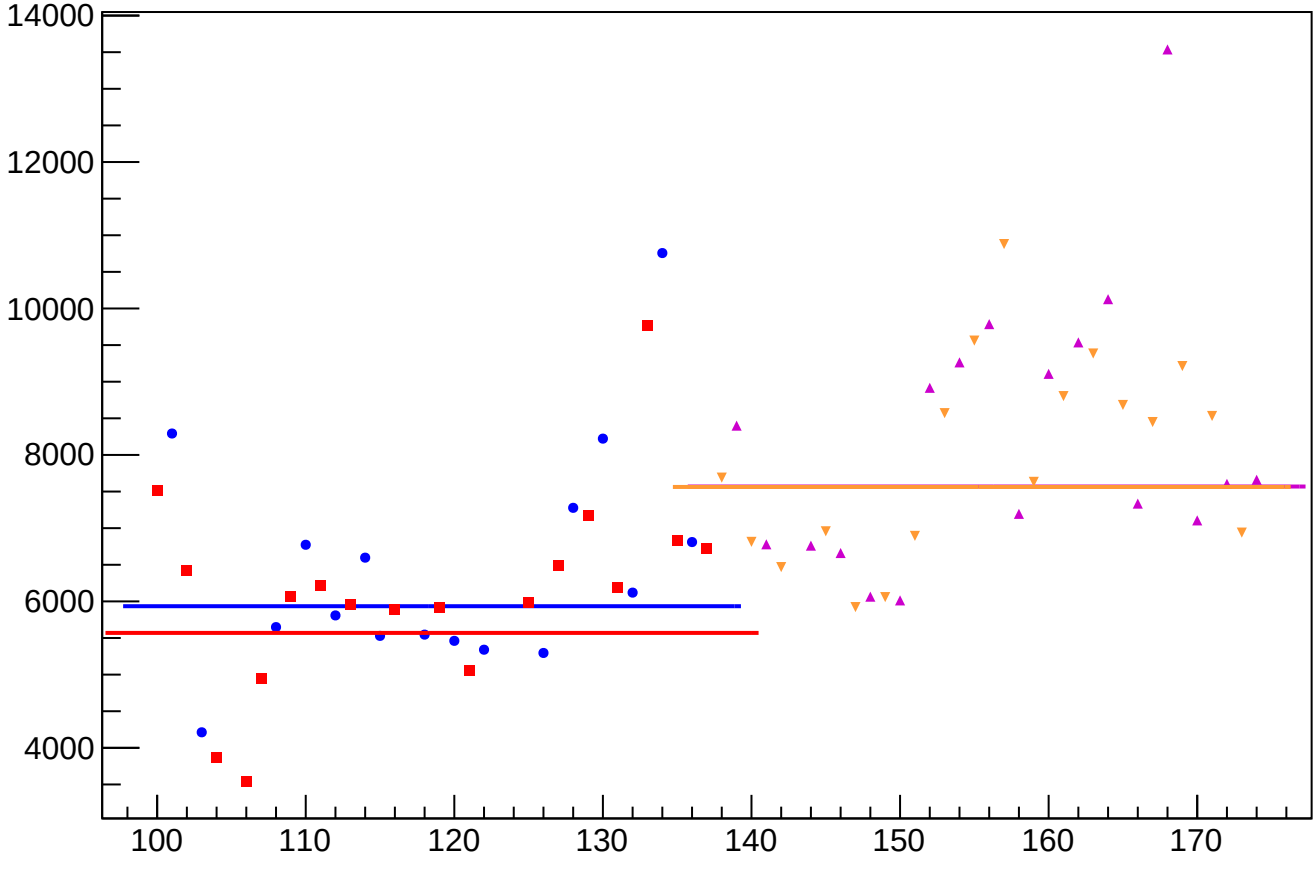
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 351.362+/-1500.424 χ^2/NDF:26.5/33

Out: -450.400+/-1477.569 χ^2/NDF:39.0/35

All: -55.672+/-1052.787 χ^2/NDF: 65.6/69

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7562.806+/-1.449 χ^2/NDF:763466.4/17

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

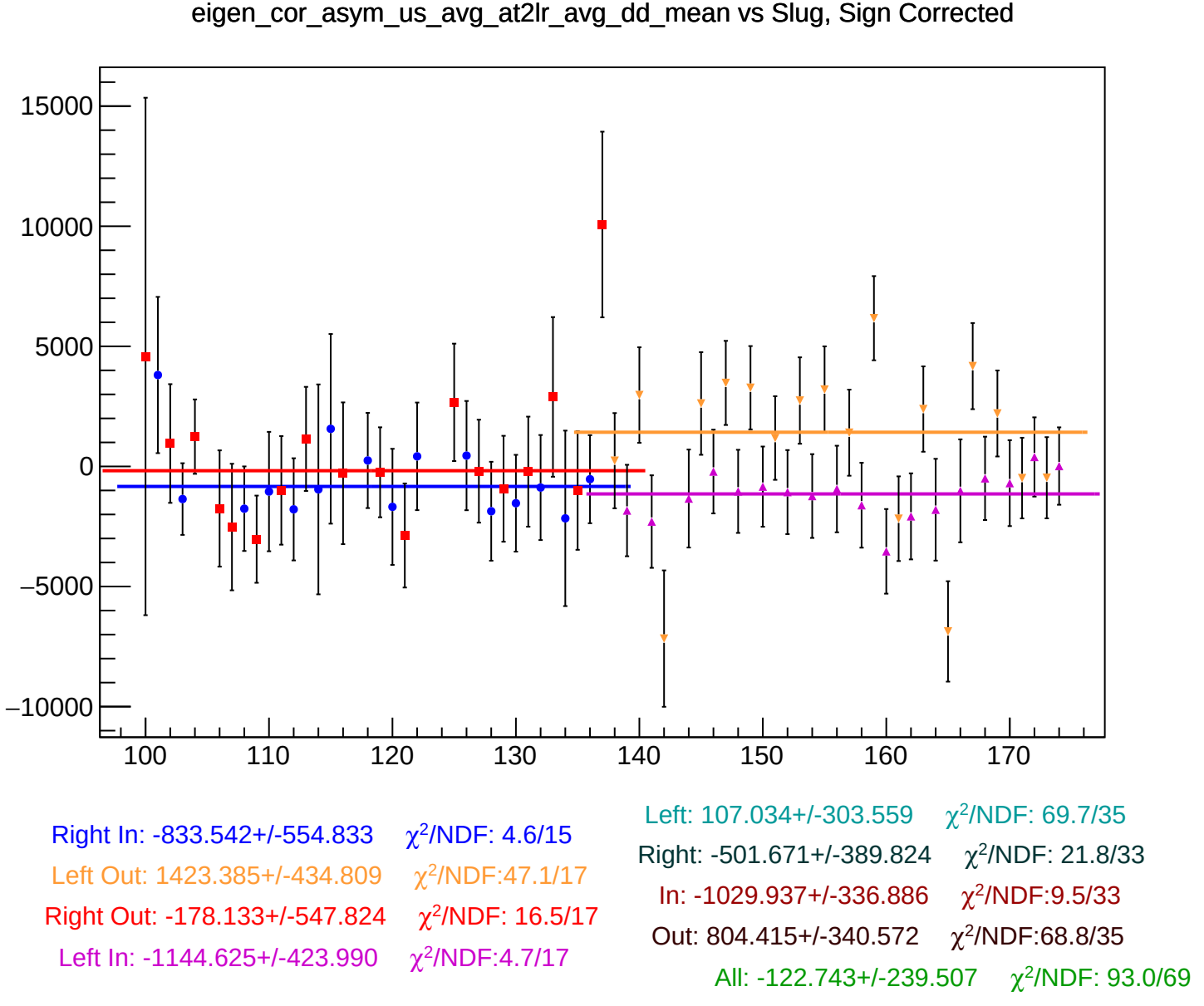
Left: 7565.770+/-1.013 χ^2/NDF: 1806382.6/35

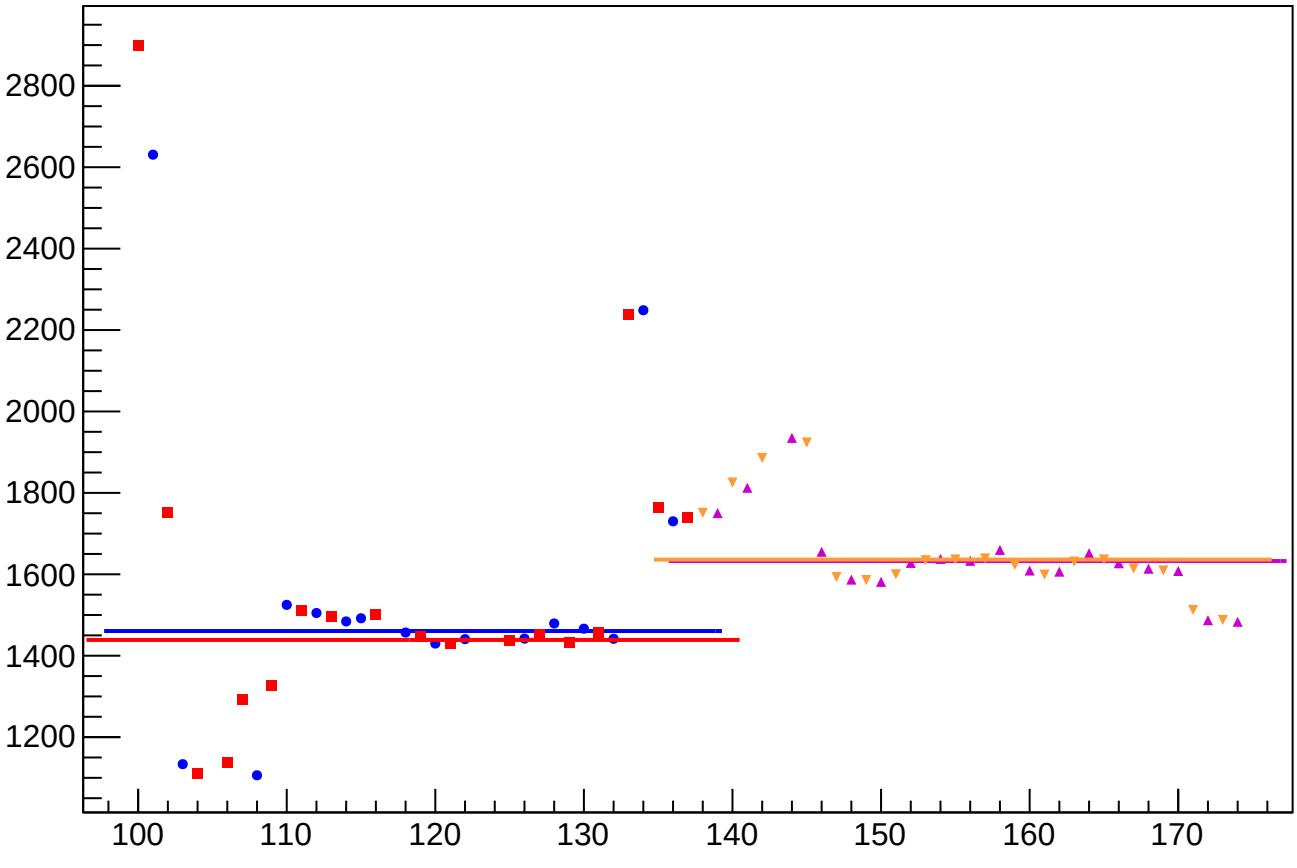
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6850.922+/-1.061 χ^2/NDF:2280468.4/33

Out: 6606.386+/-1.045 χ^2/NDF:2395900.1/35

All: 6726.777+/-0.744 χ^2/NDF: 4703337.9/69


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: 1423.385+/-434.809 χ²/NDF:47.1/17
Right Out: -178.133+/-547.824 χ²/NDF: 16.5/17
Left In: -1144.625+/-423.990 χ²/NDF:4.7/17
Left: 107.034+/-303.559 χ²/NDF: 69.7/35
Right: -501.671+/-389.824 χ²/NDF: 21.8/33
In: -1029.937+/-336.886 χ²/NDF:9.5/33
Out: 804.415+/-340.572 χ²/NDF:68.8/35
All: -122.743+/-239.507 χ²/NDF: 93.0/69



Right In: 1460.653+/-0.392 χ^2/NDF: 575736.3/15

Left Out: 1636.176+/-0.307 χ^2/NDF:108242.4/17

Right Out: 1438.764+/-0.386 χ^2/NDF: 373375.6/17

Left In: 1632.556+/-0.300 χ^2/NDF:107481.9/17

Left: 1634.320+/-0.215 χ^2/NDF: 215795.3/35

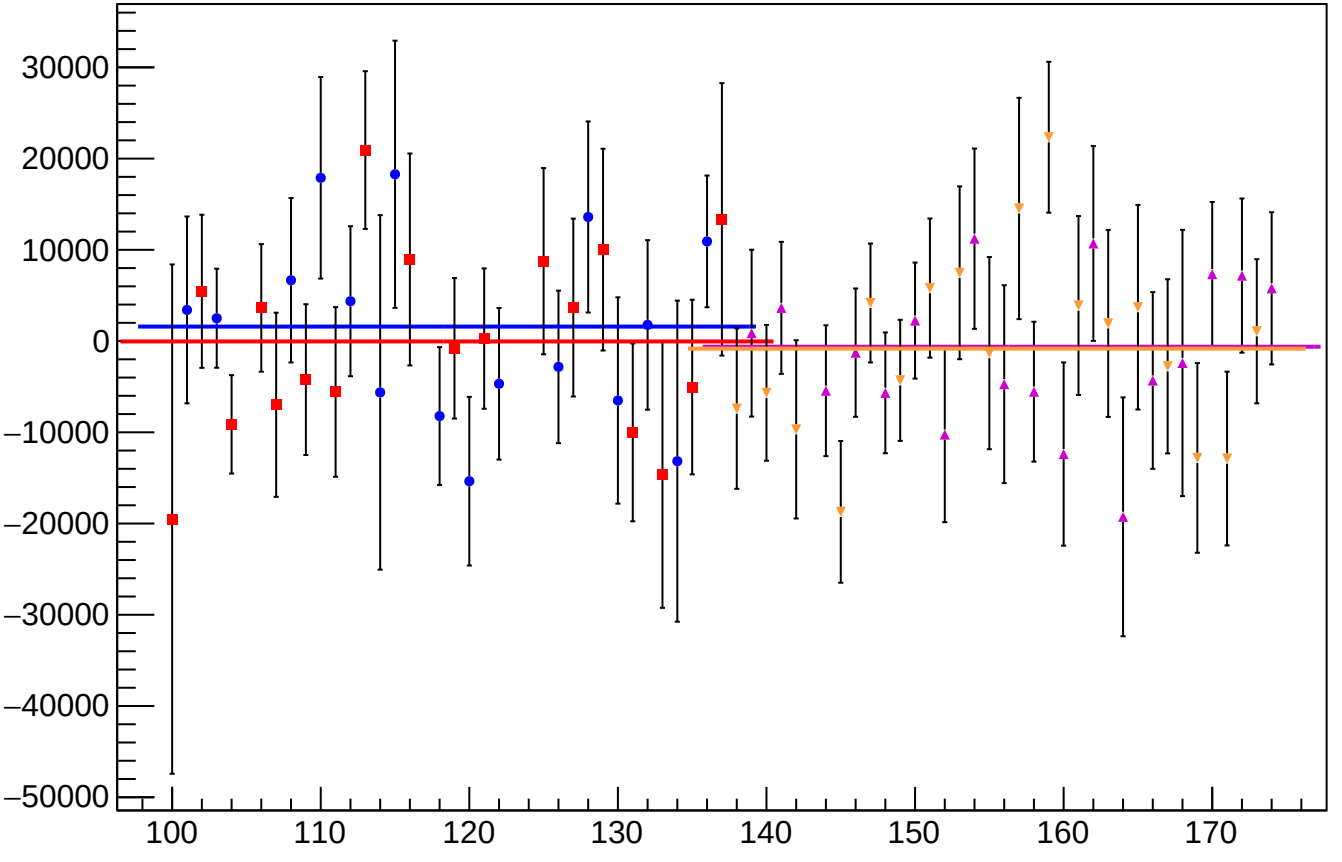
Right: 1449.544+/-0.275 χ^2/NDF: 950691.7/33

In: 1569.180+/-0.238 χ^2/NDF:804424.7/33

Out: 1559.664+/-0.241 χ^2/NDF:641403.1/35

All: 1564.470+/-0.169 χ^2/NDF: 1446617.8/69

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1588.655+/-2264.260 χ^2/NDF: 14.2/15

Left Out: -828.397+/-2048.707 χ^2/NDF:22.5/17

Right Out: -40.643+/-2133.039 χ^2/NDF: 16.5/17

Left In: -617.299+/-2003.439 χ^2/NDF:11.8/17

Left: -720.490+/-1432.382 χ^2/NDF: 34.2/35

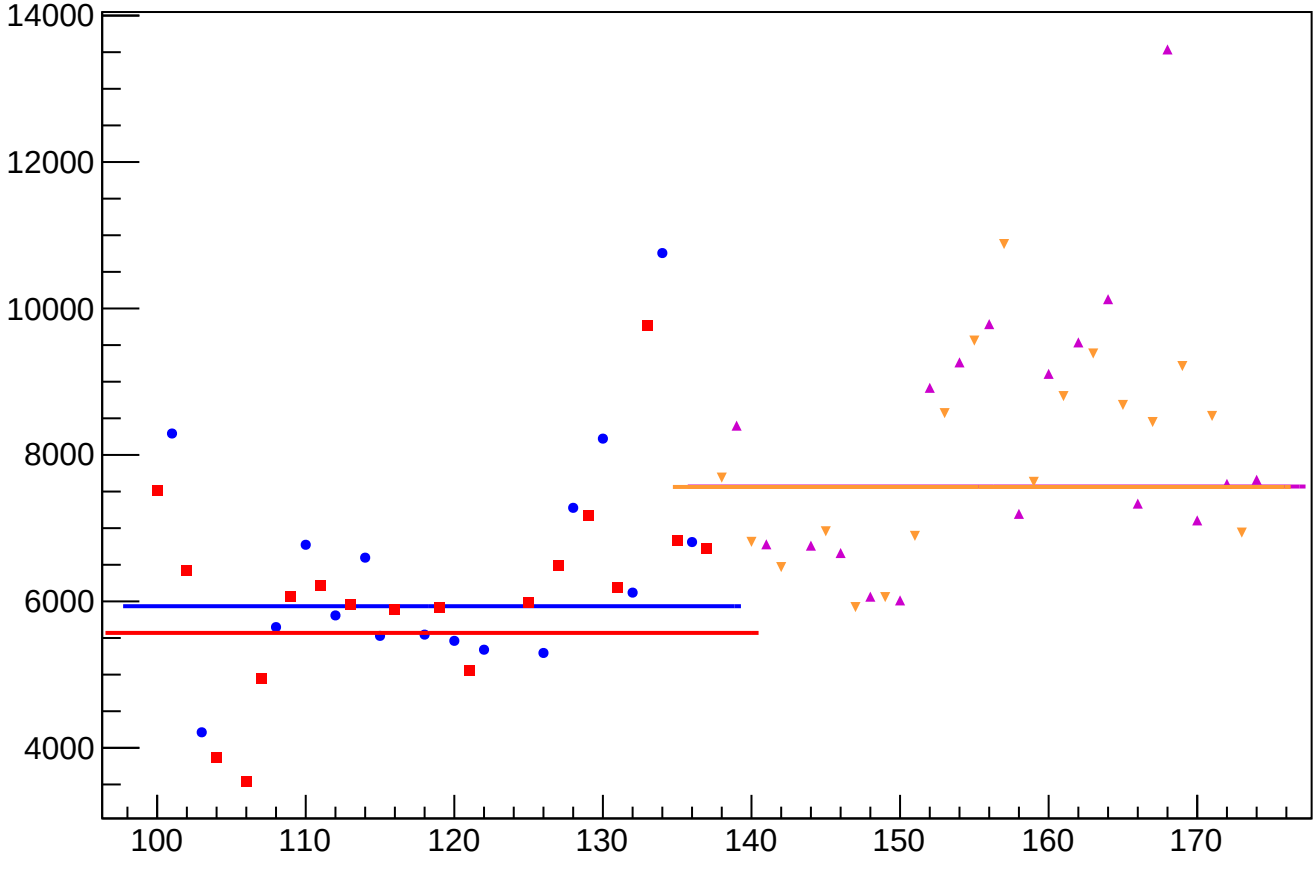
Right: 725.429+/-1552.604 χ^2/NDF: 30.9/33

In: 351.362+/-1500.424 χ^2/NDF:26.5/33

Out: -450.400+/-1477.569 χ^2/NDF:39.0/35

All: -55.672+/-1052.787 χ^2/NDF: 65.6/69

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5934.209+/-1.601 χ^2/NDF: 653082.9/15

Left Out: 7562.806+/-1.449 χ^2/NDF:763466.4/17

Right Out: 5569.606+/-1.508 χ^2/NDF: 724048.8/17

Left In: 7568.605+/-1.417 χ^2/NDF:1042908.0/17

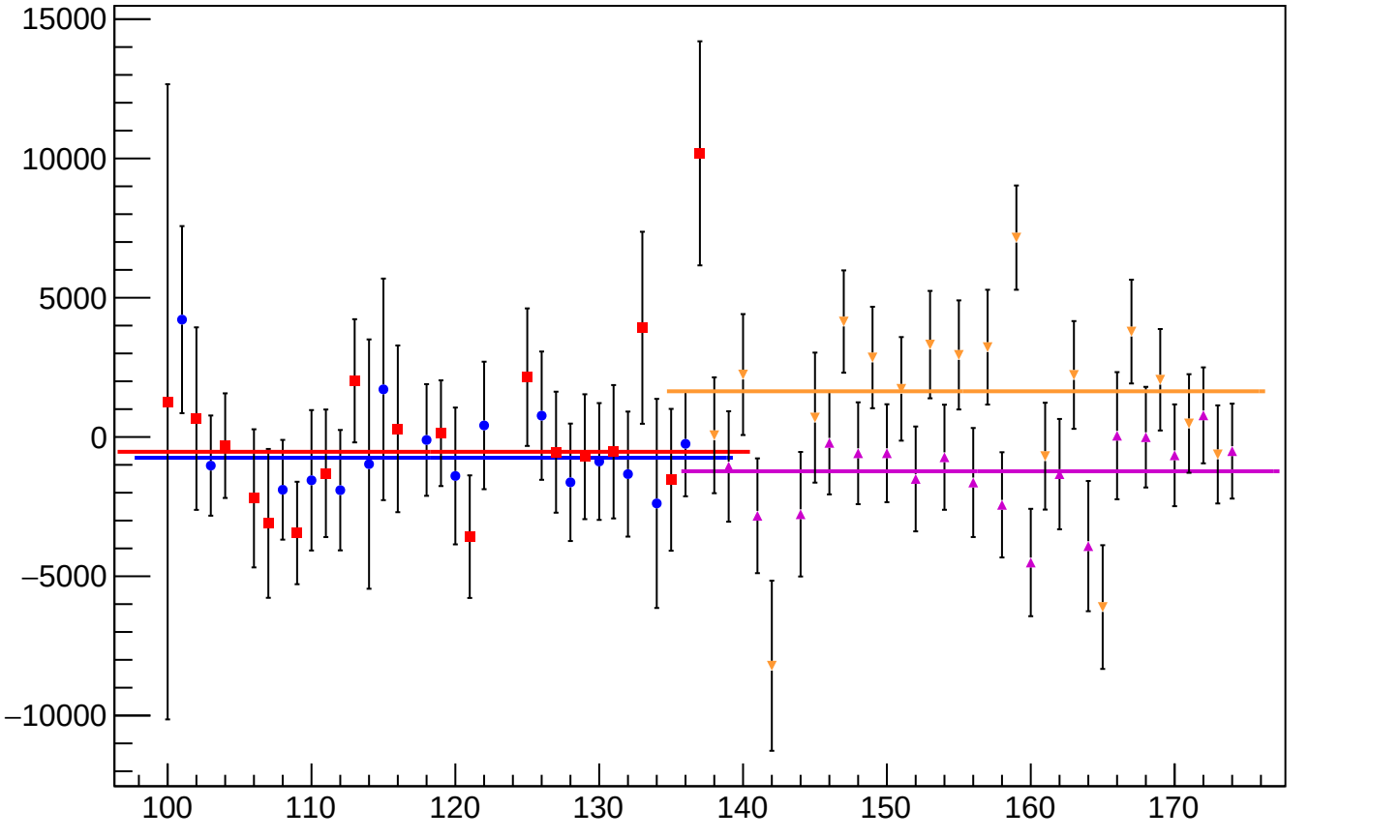
Left: 7565.770+/-1.013 χ^2/NDF: 1806382.6/35

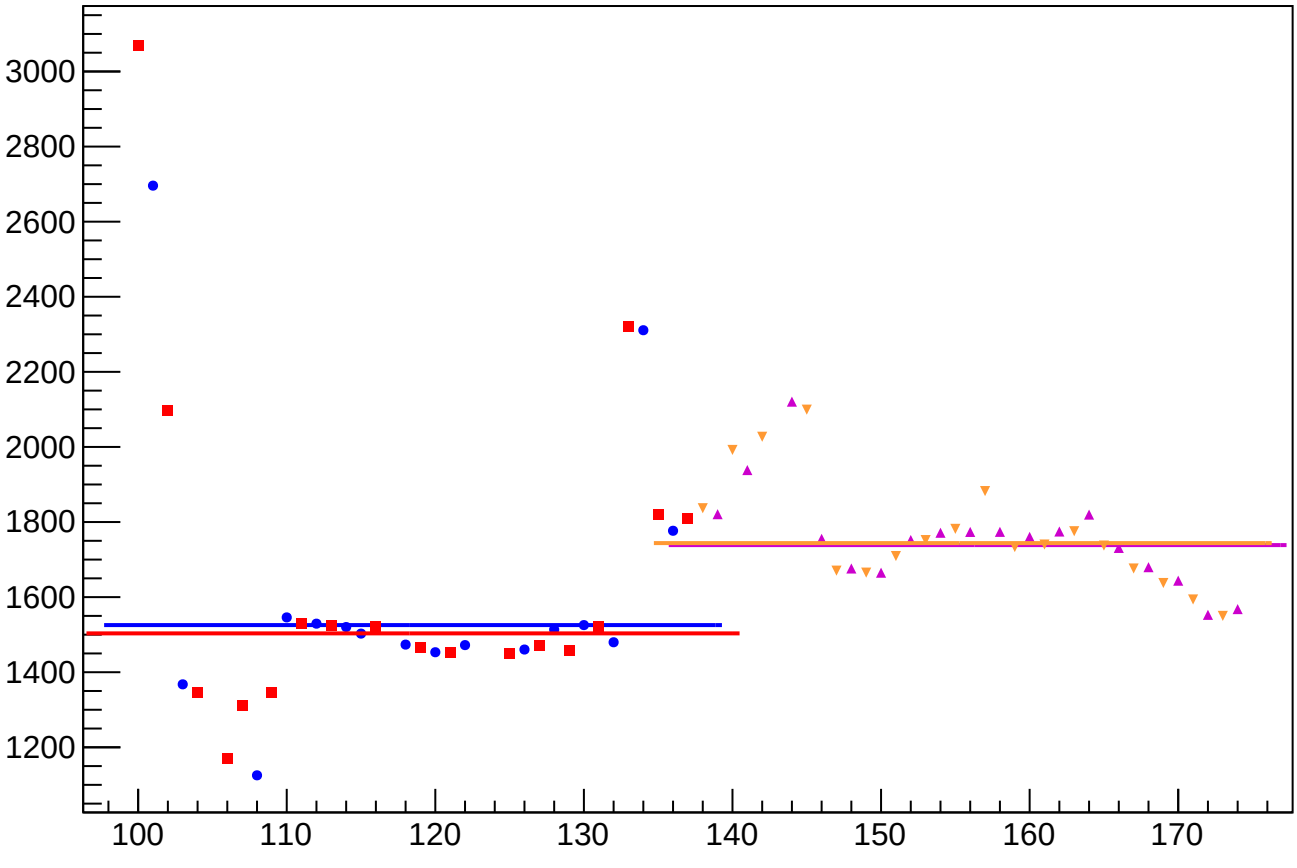
Right: 5741.037+/-1.098 χ^2/NDF: 1404606.9/33

In: 6850.922+/-1.061 χ^2/NDF:2280468.4/33

Out: 6606.386+/-1.045 χ^2/NDF:2395900.1/35

All: 6726.777+/-0.744 χ^2/NDF: 4703337.9/69


dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.914+/-578.071 χ²/NDF: 4.8/15
Left Out: 1641.260+/-463.999 χ²/NDF:41.2/17
Right Out: -531.292+/-575.115 χ²/NDF: 17.7/17
Left In: -1230.381+/-451.928 χ²/NDF:8.8/17
Left: 167.598+/-323.745 χ²/NDF: 69.7/35
Right: -638.053+/-407.709 χ²/NDF: 22.6/33
In: -1046.603+/-356.037 χ²/NDF:14.0/33
Out: 784.674+/-361.123 χ²/NDF:67.6/35
All: -143.949+/-253.535 χ²/NDF: 94.6/69



Right In: 1525.536+/-0.409 χ^2/NDF: 488328.2/15

Left Out: 1743.907+/-0.328 χ^2/NDF:159812.7/17

Right Out: 1503.434+/-0.407 χ^2/NDF: 338507.3/17

Left In: 1738.577+/-0.320 χ^2/NDF:142863.3/17

Left: 1741.172+/-0.229 χ^2/NDF: 302811.4/35

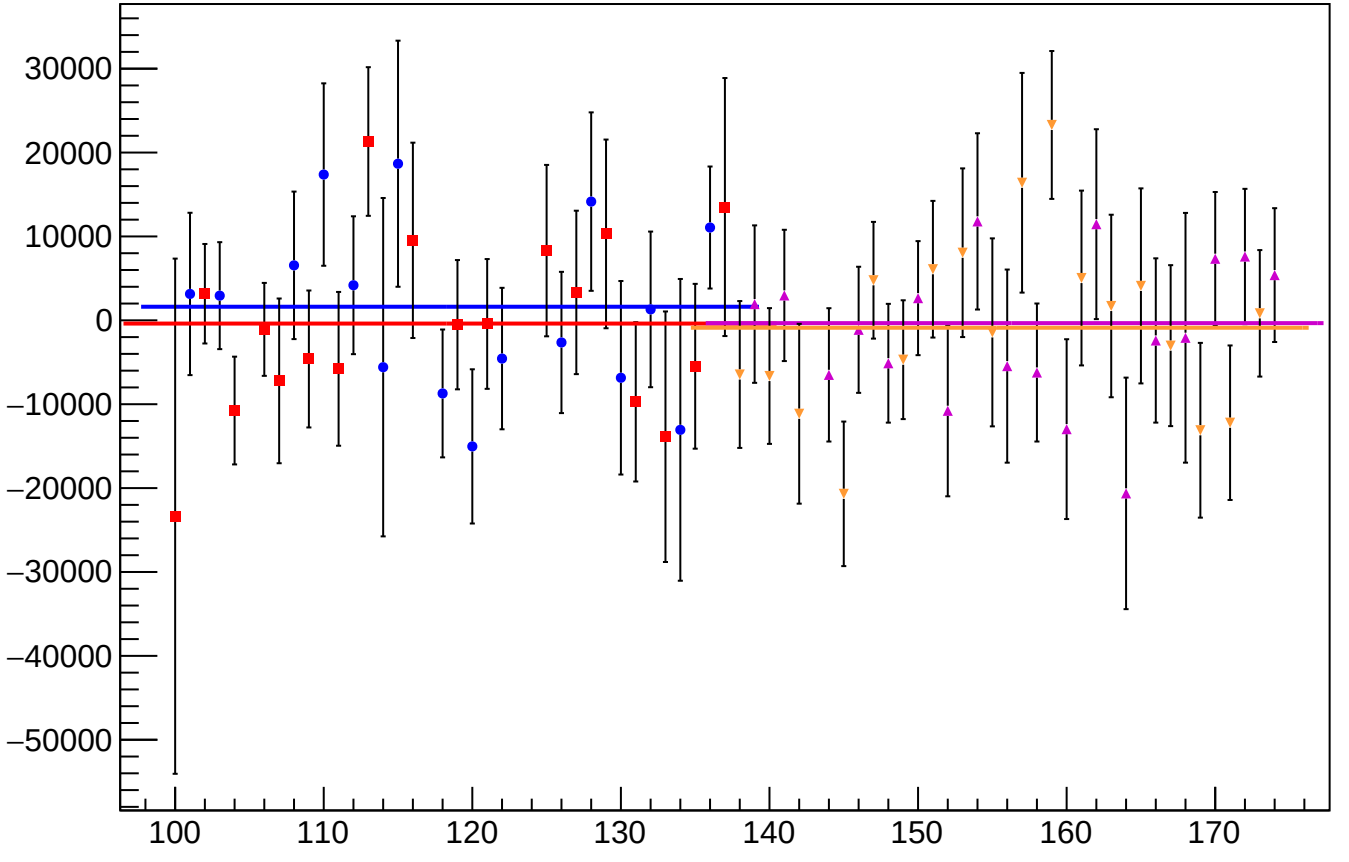
Right: 1514.425+/-0.288 χ^2/NDF: 828305.2/33

In: 1657.762+/-0.252 χ^2/NDF:799788.4/33

Out: 1649.061+/-0.255 χ^2/NDF:710194.9/35

All: 1653.473+/-0.179 χ^2/NDF: 1510572.3/69

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 1620.058+/-2320.032 χ^2/NDF: 14.3/15

Left Out: -884.889+/-2145.536 χ^2/NDF:22.4/17

Right Out: -385.942+/-2060.867 χ^2/NDF: 16.0/17

Left In: -334.115+/-2097.087 χ^2/NDF:11.7/17

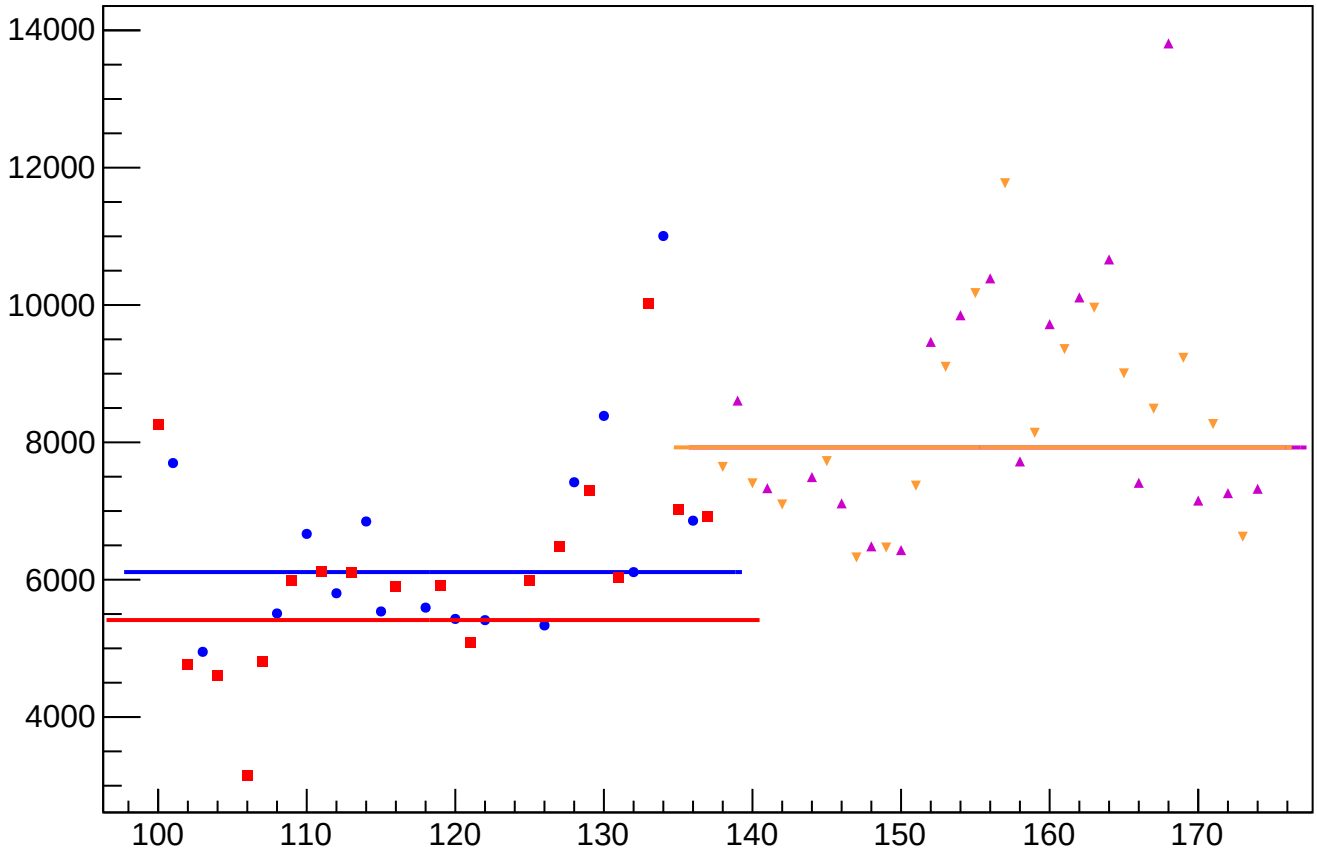
Left: -603.213+/-1499.700 χ^2/NDF: 34.1/35

Right: 498.801+/-1540.768 χ^2/NDF: 30.7/33

In: 544.589+/-1555.729 χ^2/NDF:26.3/33

Out: -625.377+/-1486.285 χ^2/NDF:38.4/35

All: -67.088+/-1074.674 χ^2/NDF: 65.1/69



Right In: 6111.037+/-1.641 χ^2/NDF: 471661.4/15

Left Out: 7926.688+/-1.517 χ^2/NDF:730565.6/17

Right Out: 5412.276+/-1.457 χ^2/NDF: 821530.3/17

Left In: 7925.563+/-1.483 χ^2/NDF:1007464.9/17

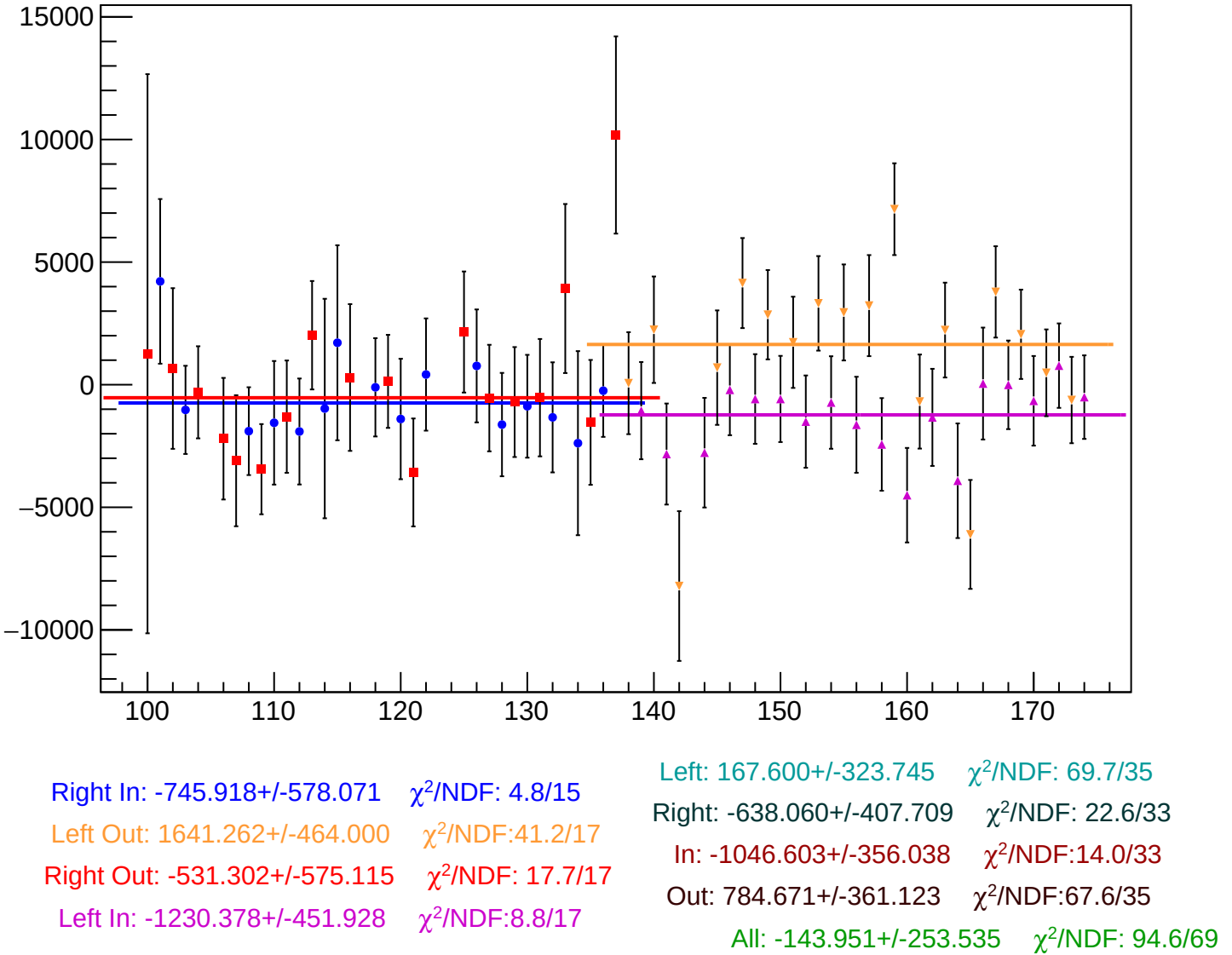
Left: 7926.113+/-1.060 χ^2/NDF: 1738030.8/35

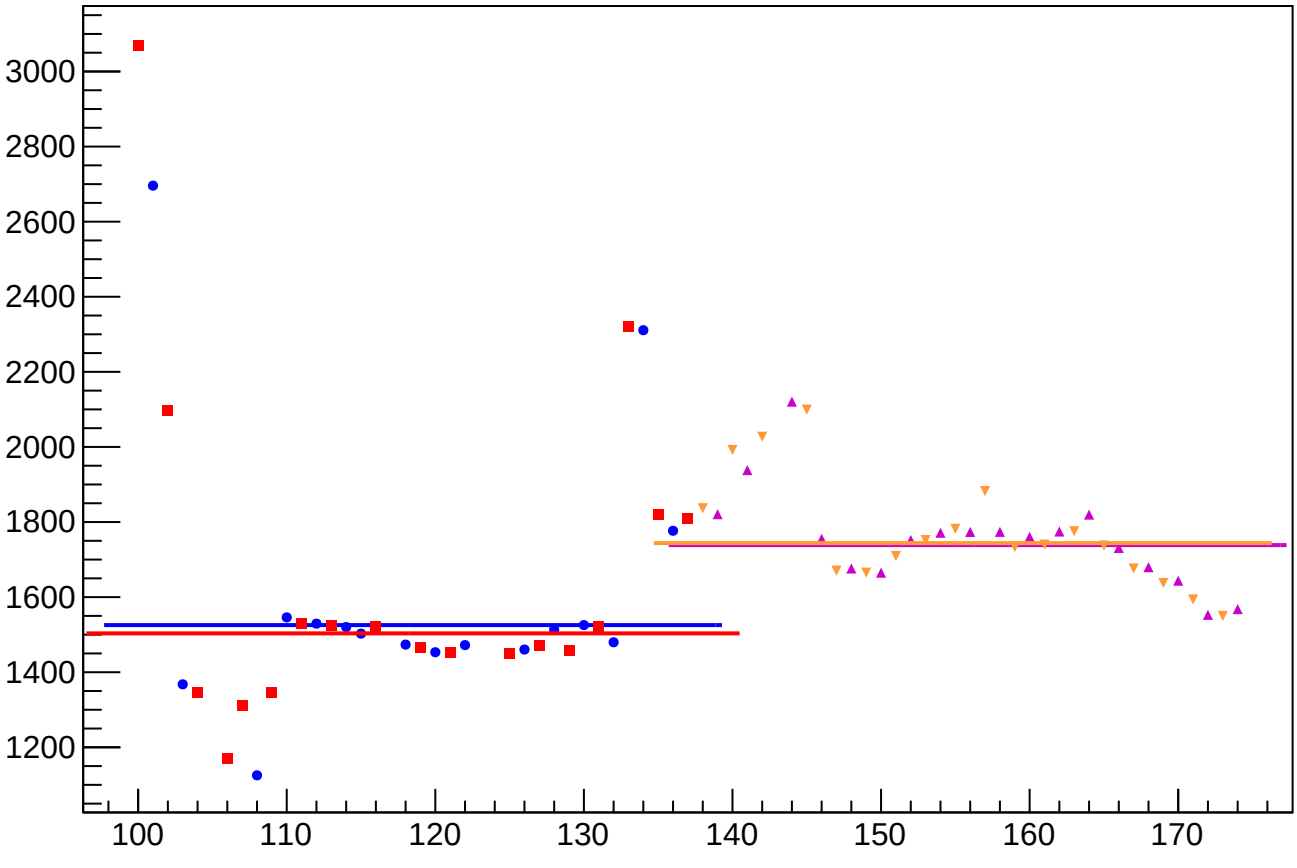
Right: 5720.463+/-1.089 χ^2/NDF: 1394599.9/33

In: 7109.652+/-1.100 χ^2/NDF:2152418.5/33

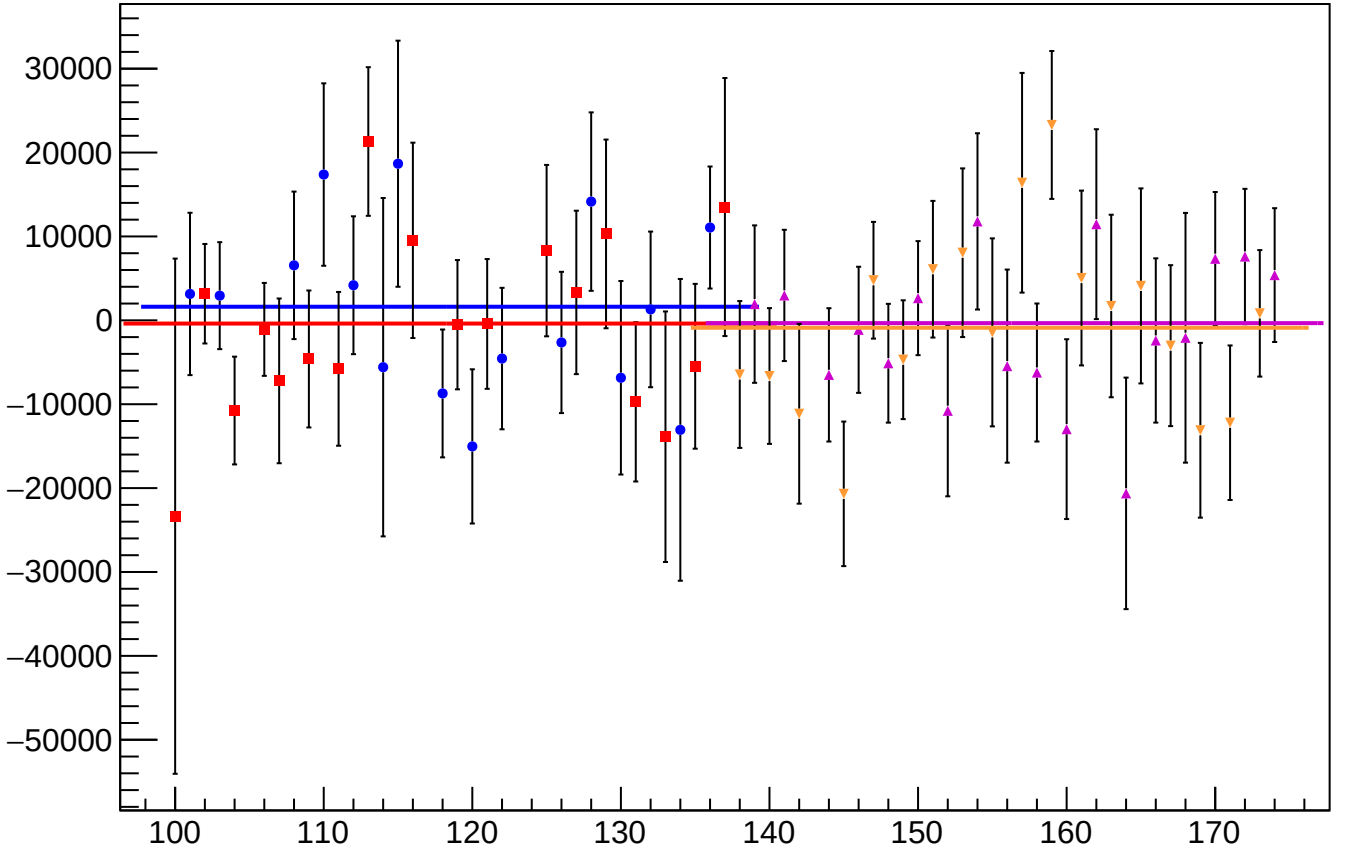
Out: 6618.891+/-1.051 χ^2/NDF:2980776.2/35

All: 6853.074+/-0.760 χ^2/NDF: 5237246.9/69


eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -745.918+/-578.071 χ²/NDF: 4.8/15
Left Out: 1641.262+/-464.000 χ²/NDF:41.2/17
Right Out: -531.302+/-575.115 χ²/NDF: 17.7/17
Left In: -1230.378+/-451.928 χ²/NDF:8.8/17
Left: 167.600+/-323.745 χ²/NDF: 69.7/35
Right: -638.060+/-407.709 χ²/NDF: 22.6/33
In: -1046.603+/-356.038 χ²/NDF:14.0/33
Out: 784.671+/-361.123 χ²/NDF:67.6/35
All: -143.951+/-253.535 χ²/NDF: 94.6/69


eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
110
120
130
140
150
160
170
Right In: 1525.536+/-0.409 χ²/NDF: 488327.8/15
Left Out: 1743.908+/-0.328 χ²/NDF:159817.7/17
Right Out: 1503.435+/-0.407 χ²/NDF: 338507.7/17
Left In: 1738.579+/-0.320 χ²/NDF:142867.6/17
Left: 1741.173+/-0.229 χ²/NDF: 302820.7/35
Right: 1514.425+/-0.288 χ²/NDF: 828305.2/33
In: 1657.763+/-0.252 χ²/NDF:799795.0/33
Out: 1649.062+/-0.255 χ²/NDF:710202.4/35
All: 1653.474+/-0.179 χ²/NDF: 1510586.3/69

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: -884.890+/-2145.539 χ^2/NDF:22.4/17

Right Out: -385.948+/-2060.863 χ^2/NDF: 16.0/17

Left In: -334.112+/-2097.090 χ^2/NDF:11.7/17

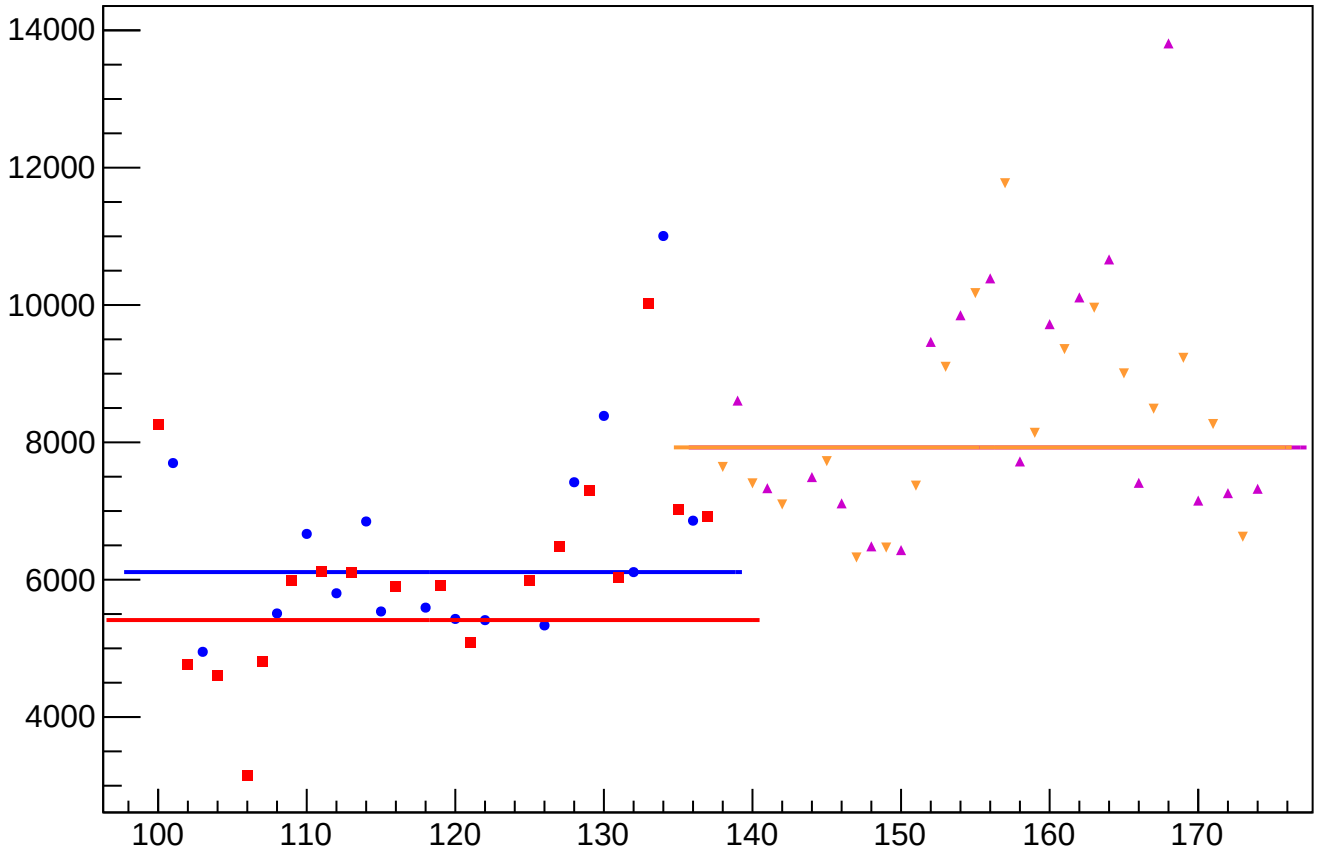
Left: -603.212+/-1499.703 χ^2/NDF: 34.1/35

Right: 498.789+/-1540.764 χ^2/NDF: 30.7/33

In: 544.585+/-1555.728 χ^2/NDF:26.3/33

Out: -625.379+/-1486.284 χ^2/NDF:38.4/35

All: -67.092+/-1074.673 χ^2/NDF: 65.1/69



Right In: 6111.023+/-1.641 χ^2/NDF: 471663.6/15

Left Out: 7926.700+/-1.517 χ^2/NDF:730566.2/17

Right Out: 5412.265+/-1.457 χ^2/NDF: 821530.5/17

Left In: 7925.574+/-1.483 χ^2/NDF:1007466.7/17

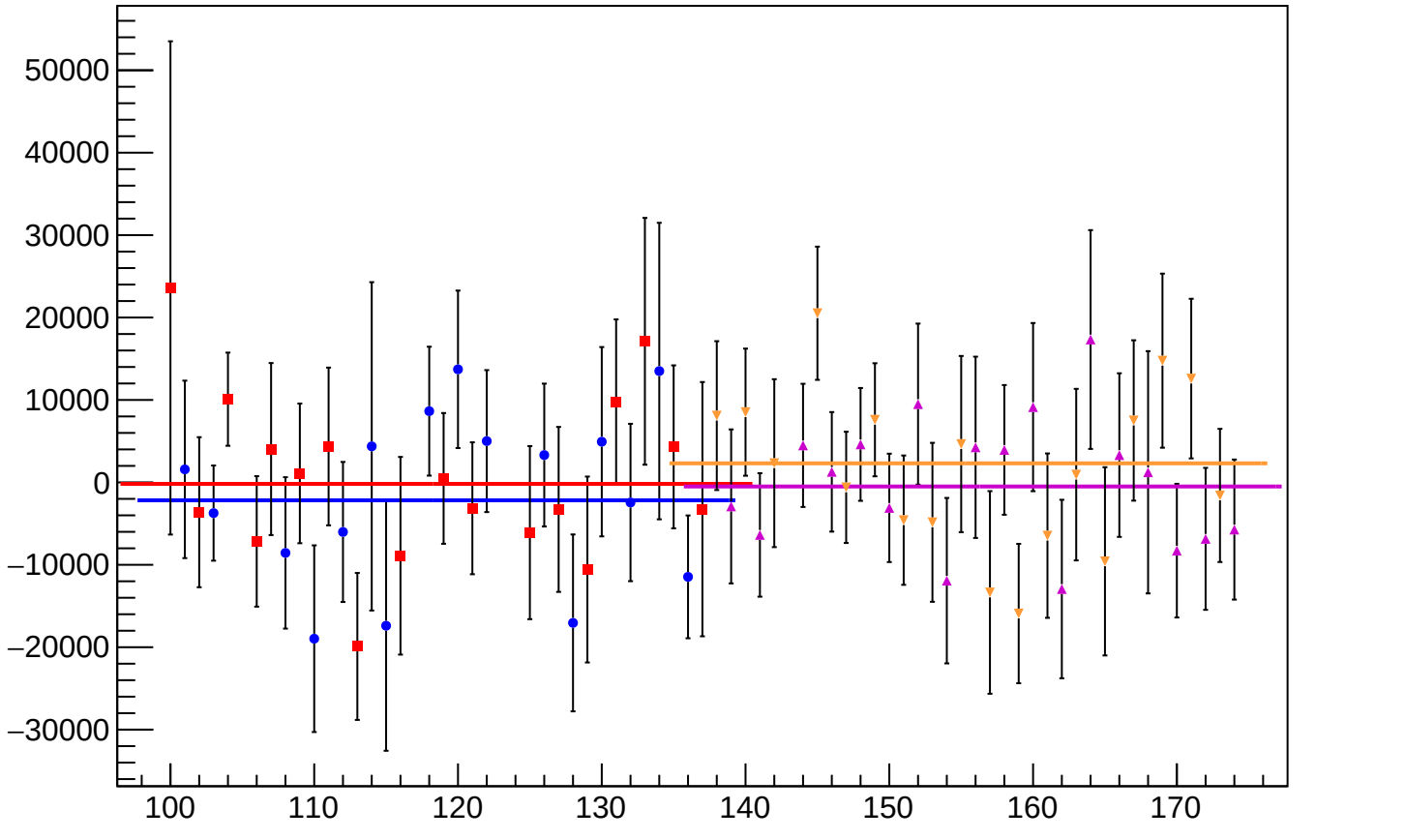
Left: 7926.124+/-1.060 χ^2/NDF: 1738033.2/35

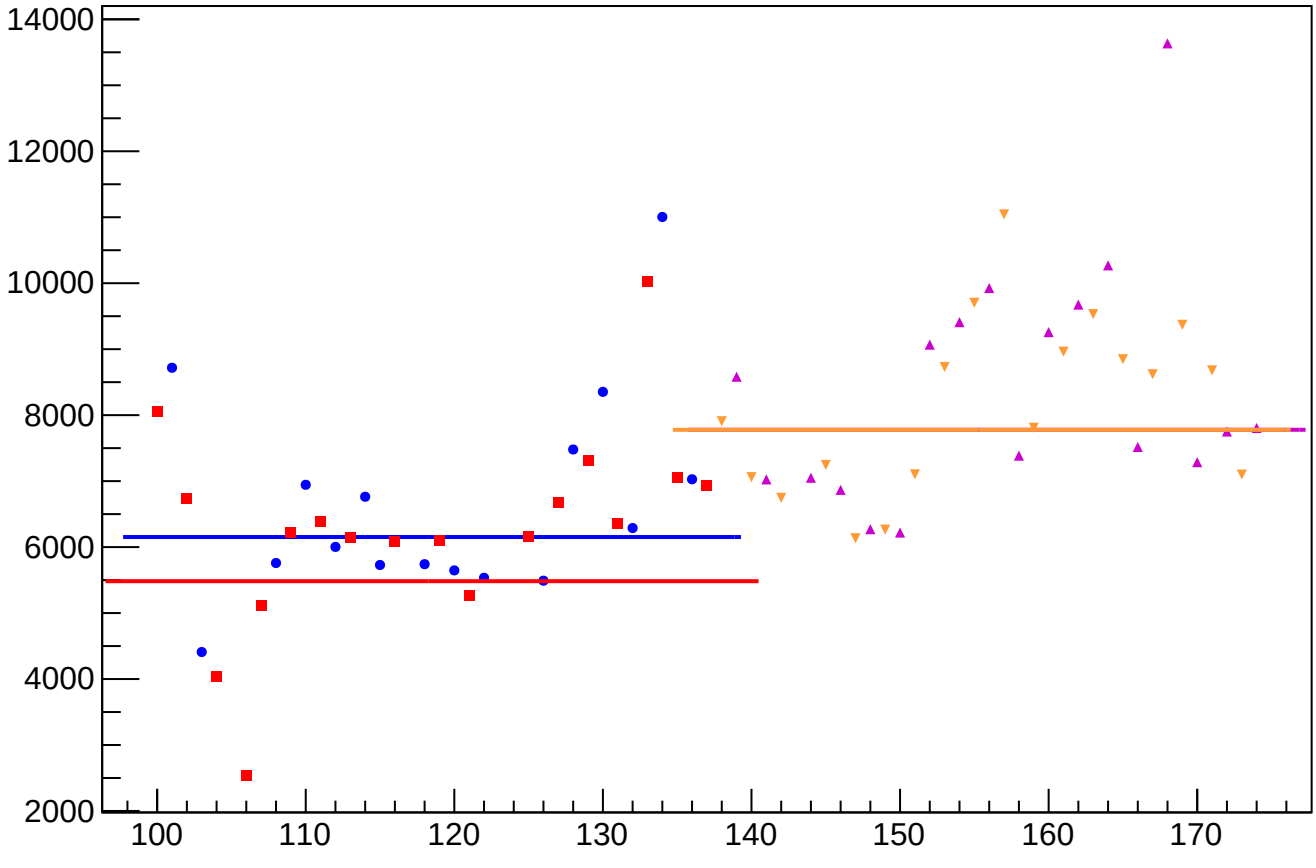
Right: 5720.451+/-1.089 χ^2/NDF: 1394602.1/33

In: 7109.649+/-1.100 χ^2/NDF:2152441.4/33

Out: 6618.886+/-1.051 χ^2/NDF:2980804.0/35

All: 6853.070+/-0.760 χ^2/NDF: 5237298.3/69


asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -2174.048+/-2347.664 χ²/NDF: 14.6/15
Left Out: 2311.129+/-2103.177 χ²/NDF:19.5/17
Right Out: -183.559+/-2228.883 χ²/NDF: 14.7/17
Left In: -499.365+/-2055.635 χ²/NDF:10.8/17
Left: 873.758+/-1470.074 χ²/NDF: 31.2/35
Right: -1127.176+/-1616.419 χ²/NDF: 29.6/33
In: -1226.127+/-1546.556 χ²/NDF:25.6/33
Out: 1136.114+/-1529.681 χ²/NDF:34.8/35
All: -32.048+/-1087.565 χ²/NDF: 61.6/69



Right In: 6152.690+/-1.660 χ^2/NDF: 624026.7/15

Left Out: 7777.893+/-1.487 χ^2/NDF:697673.5/17

Right Out: 5483.337+/-1.519 χ^2/NDF: 1148712.9/17

Left In: 7778.474+/-1.454 χ^2/NDF:964329.1/17

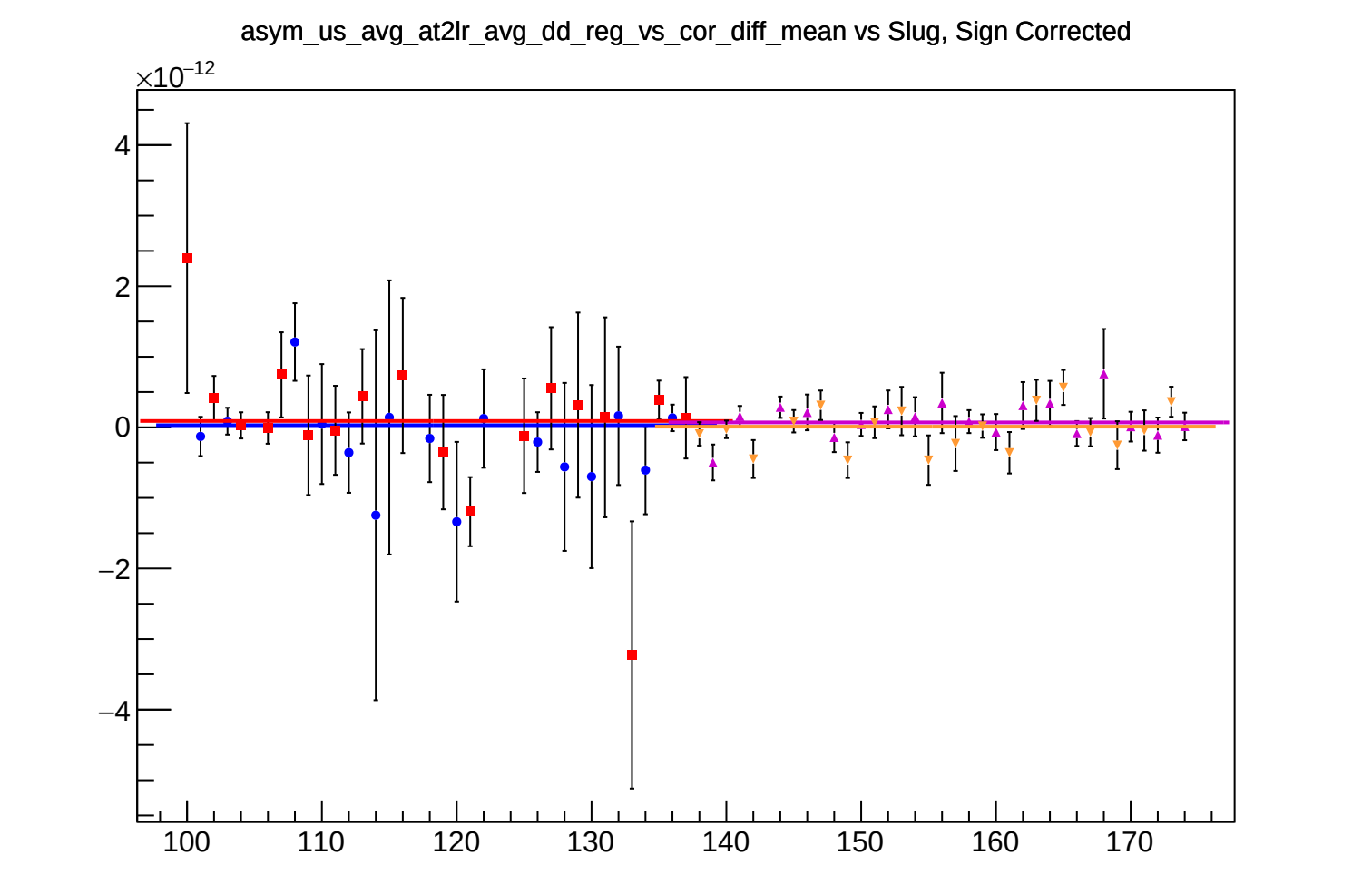
Left: 7778.190+/-1.039 χ^2/NDF: 1662002.7/35

Right: 5788.476+/-1.121 χ^2/NDF: 1861205.2/33

In: 7072.927+/-1.094 χ^2/NDF:2131263.6/33

Out: 6655.254+/-1.063 χ^2/NDF:3011095.3/35

All: 6858.135+/-0.762 χ^2/NDF: 5217375.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 9.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.5/17

Left In: 0.000+/-0.000 χ^2/NDF:13.9/17

Left: 0.000+/-0.000 χ^2/NDF: 38.4/35

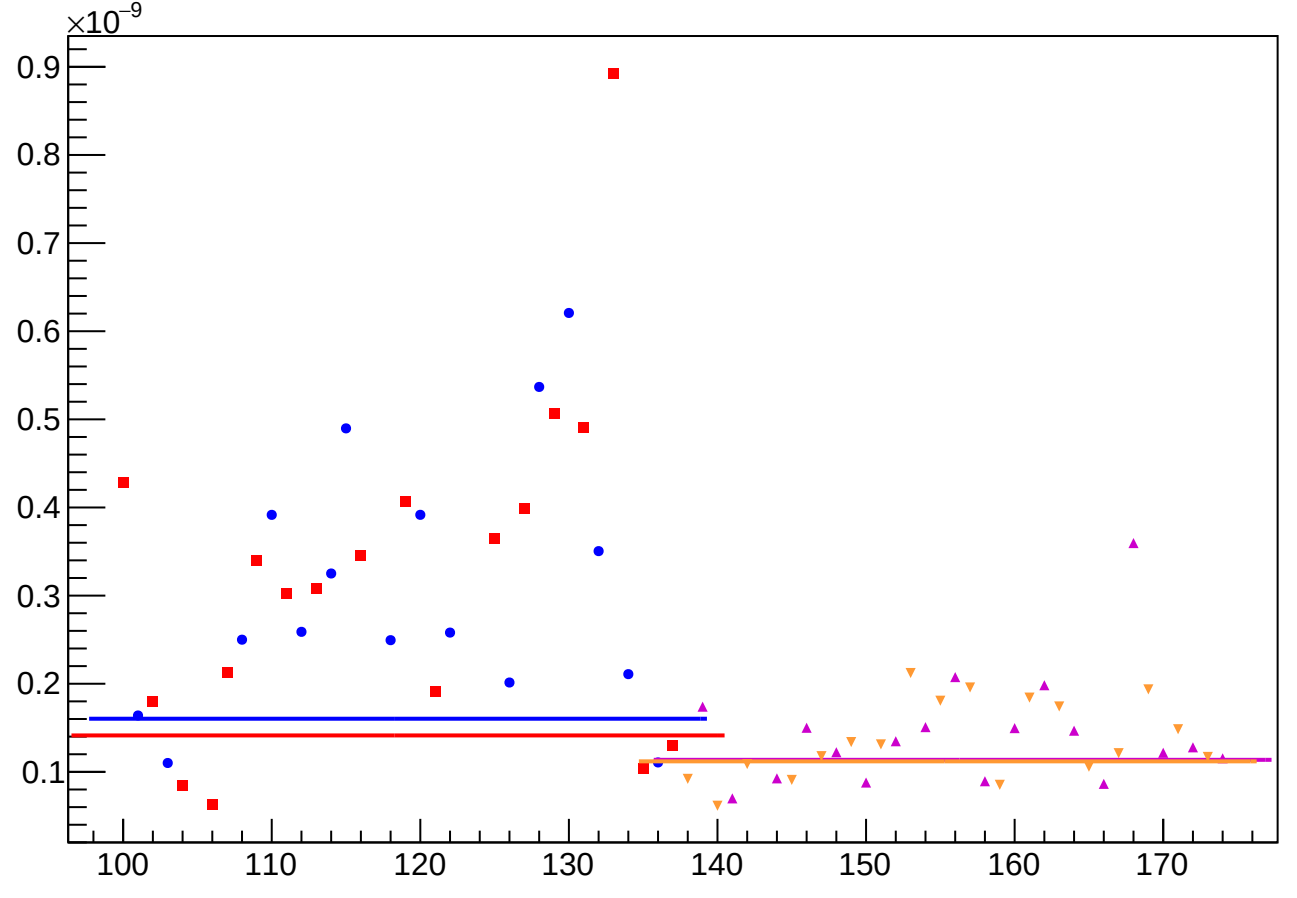
Right: 0.000+/-0.000 χ^2/NDF: 26.2/33

In: 0.000+/-0.000 χ^2/NDF:23.6/33

Out: 0.000+/-0.000 χ^2/NDF:40.7/35

All: 0.000+/-0.000 χ^2/NDF: 64.6/69

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1329606.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1181023.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2165946.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1159577.1/17

Left: 0.000+/-0.000 χ^2/NDF: 2341735.7/35

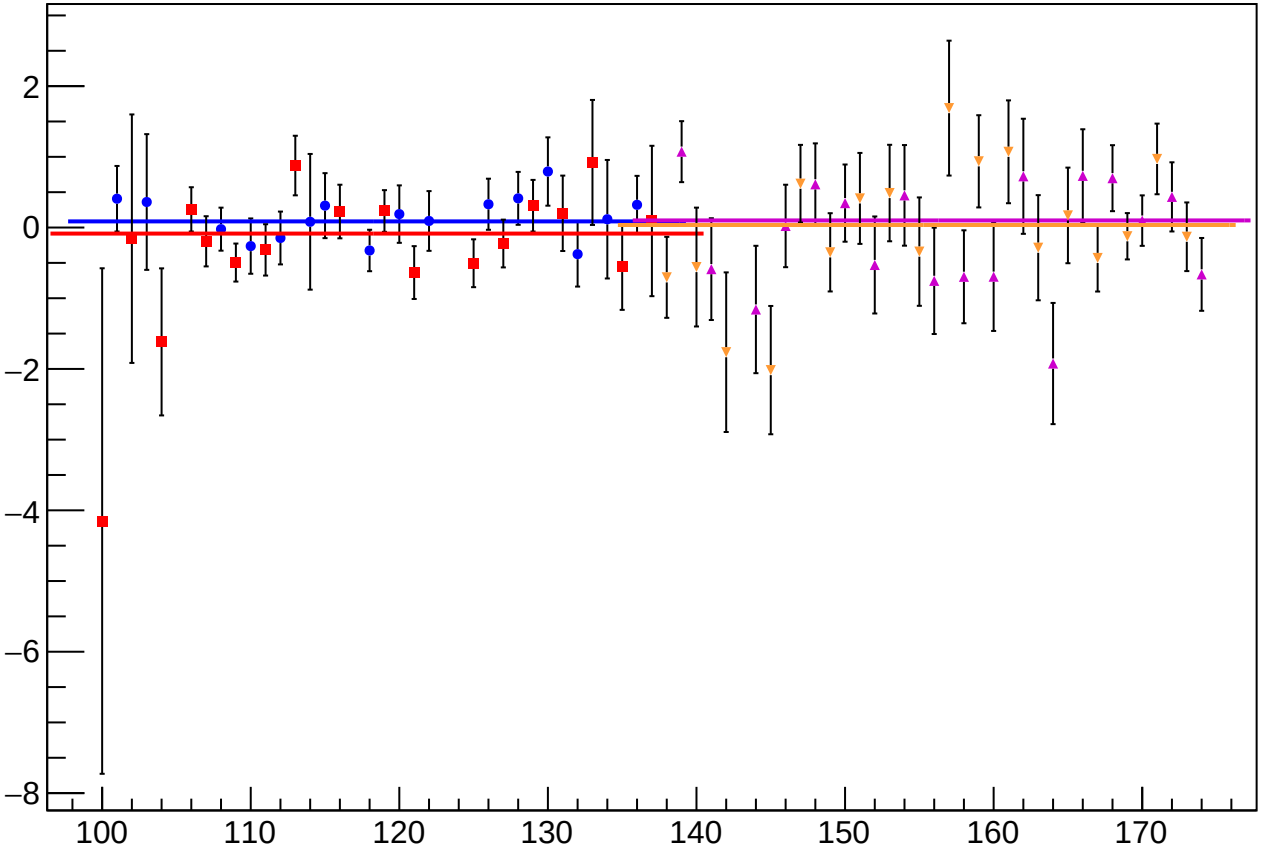
Right: 0.000+/-0.000 χ^2/NDF: 3529311.8/33

In: 0.000+/-0.000 χ^2/NDF:2814927.8/33

Out: 0.000+/-0.000 χ^2/NDF:3478391.2/35

All: 0.000+/-0.000 χ^2/NDF: 6304754.1/69

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.100+/-0.137 χ^2/NDF:25.3/17

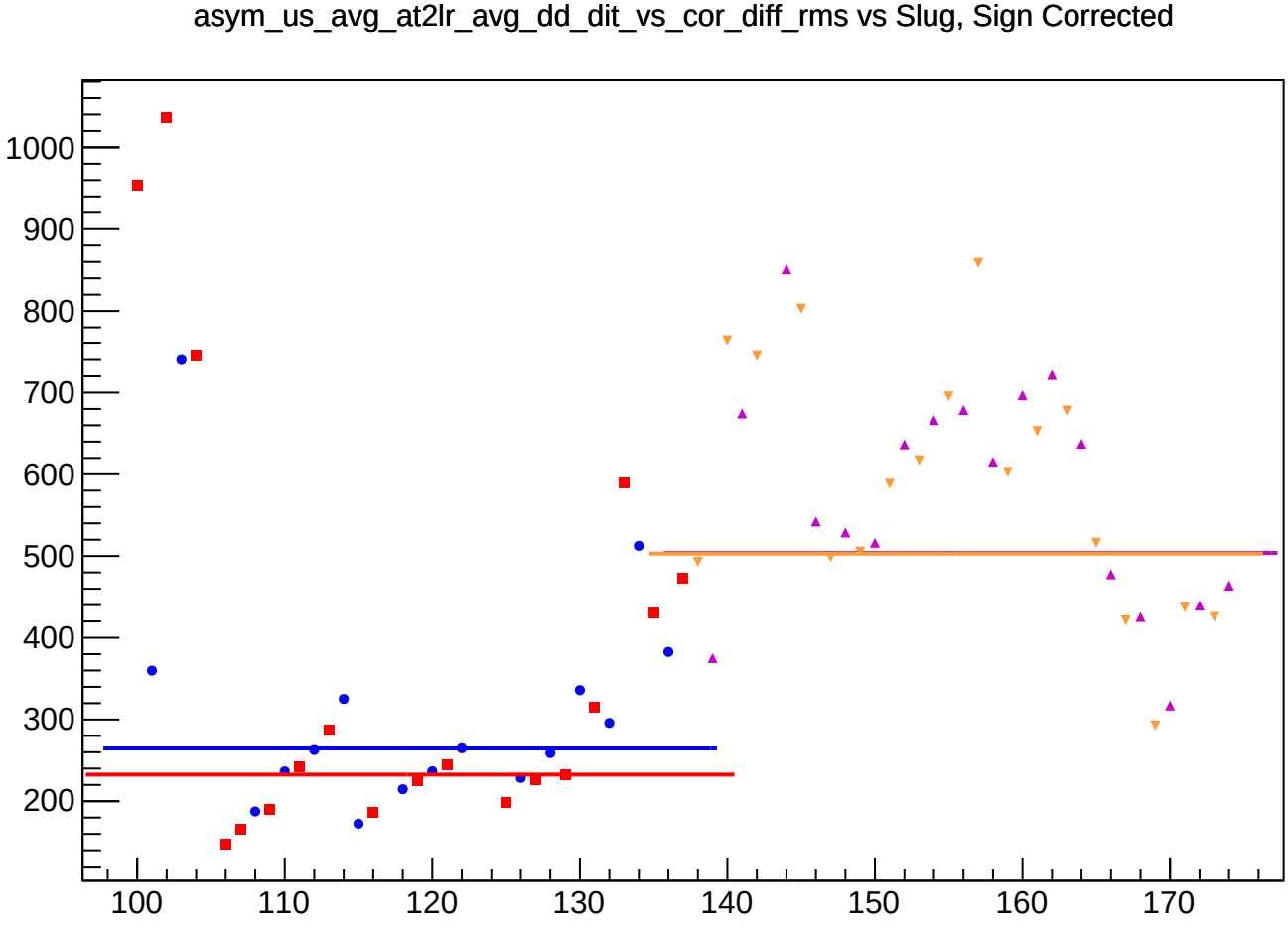
Left: 0.069+/-0.098 χ^2/NDF: 49.8/35

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.020+/-0.058 χ^2/NDF: 82.3/69


asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1000
900
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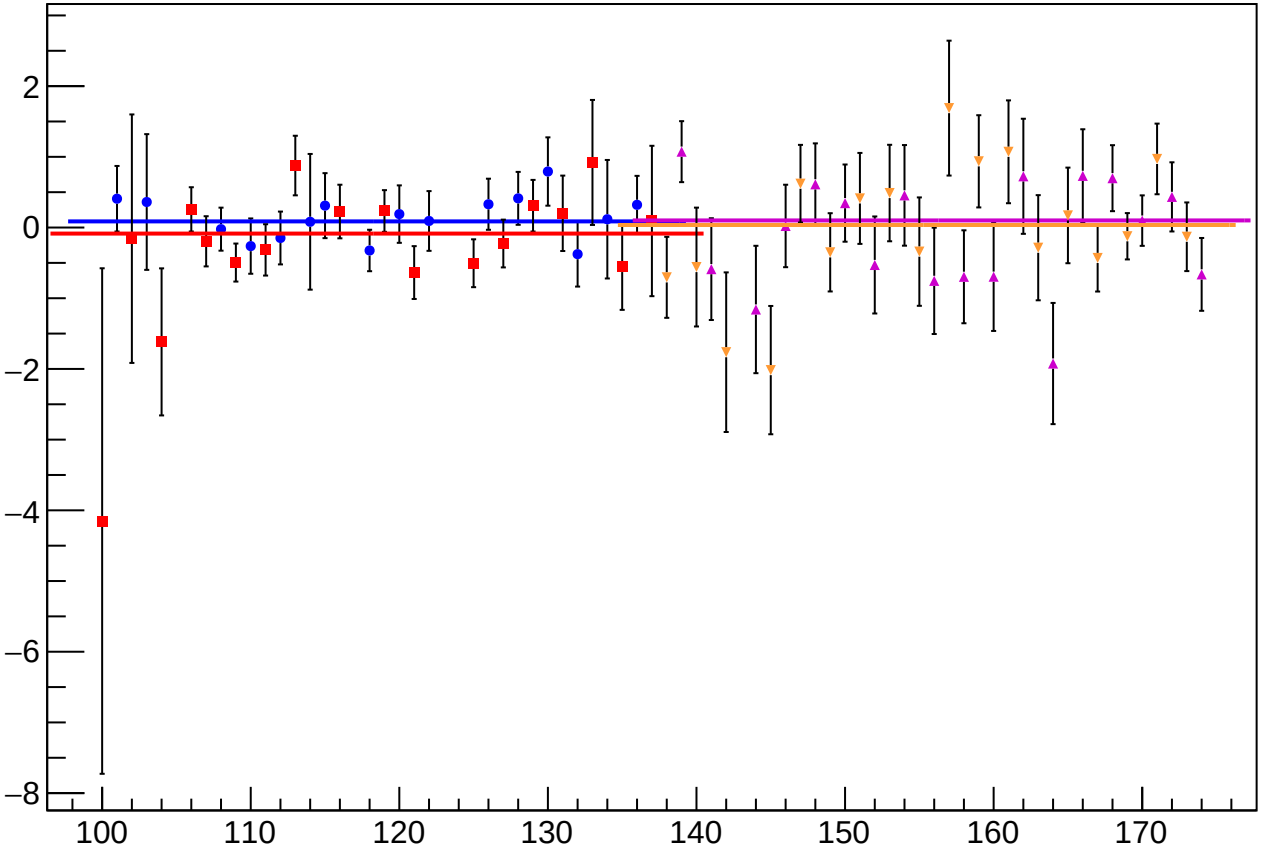
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1284007.6/15
Left Out: 503.042+/-0.099 χ²/NDF:2209124.3/17
Right Out: 232.596+/-0.069 χ²/NDF: 2032662.7/17
Left In: 503.842+/-0.097 χ²/NDF:1916771.9/17
Left: 503.452+/-0.069 χ²/NDF: 4125929.4/35
Right: 247.407+/-0.050 χ²/NDF: 3416944.1/33
In: 353.225+/-0.059 χ²/NDF:7037390.2/33
Out: 320.288+/-0.057 χ²/NDF:9248108.3/35
All: 336.077+/-0.041 χ²/NDF: 16447947.0/69

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.100+/-0.137 χ^2/NDF:25.3/17

Left: 0.069+/-0.098 χ^2/NDF: 49.8/35

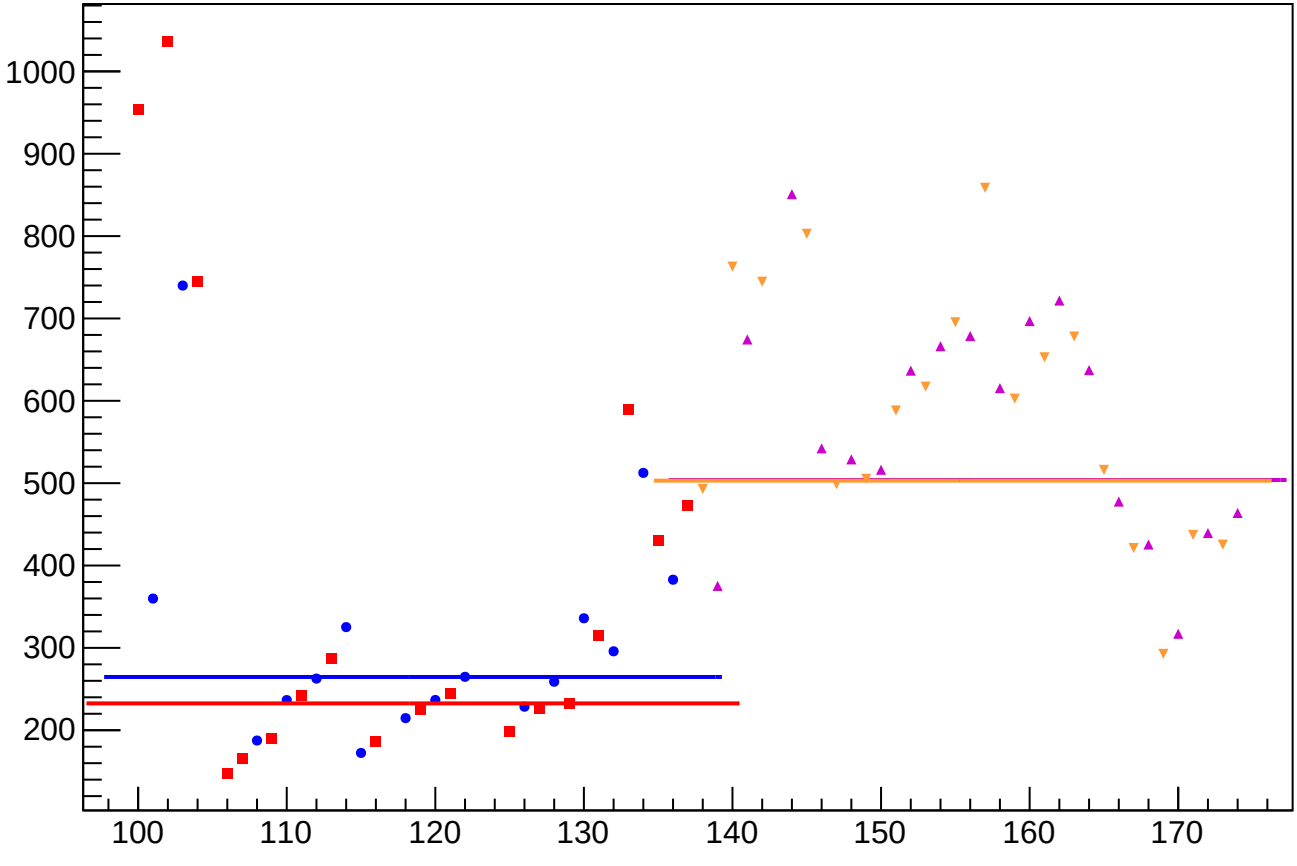
Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.020+/-0.058 χ^2/NDF: 82.3/69

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: 503.042+/-0.099 χ^2/NDF:2209124.3/17

Right Out: 232.596+/-0.069 χ^2/NDF: 2032662.7/17

Left In: 503.842+/-0.097 χ^2/NDF:1916771.9/17

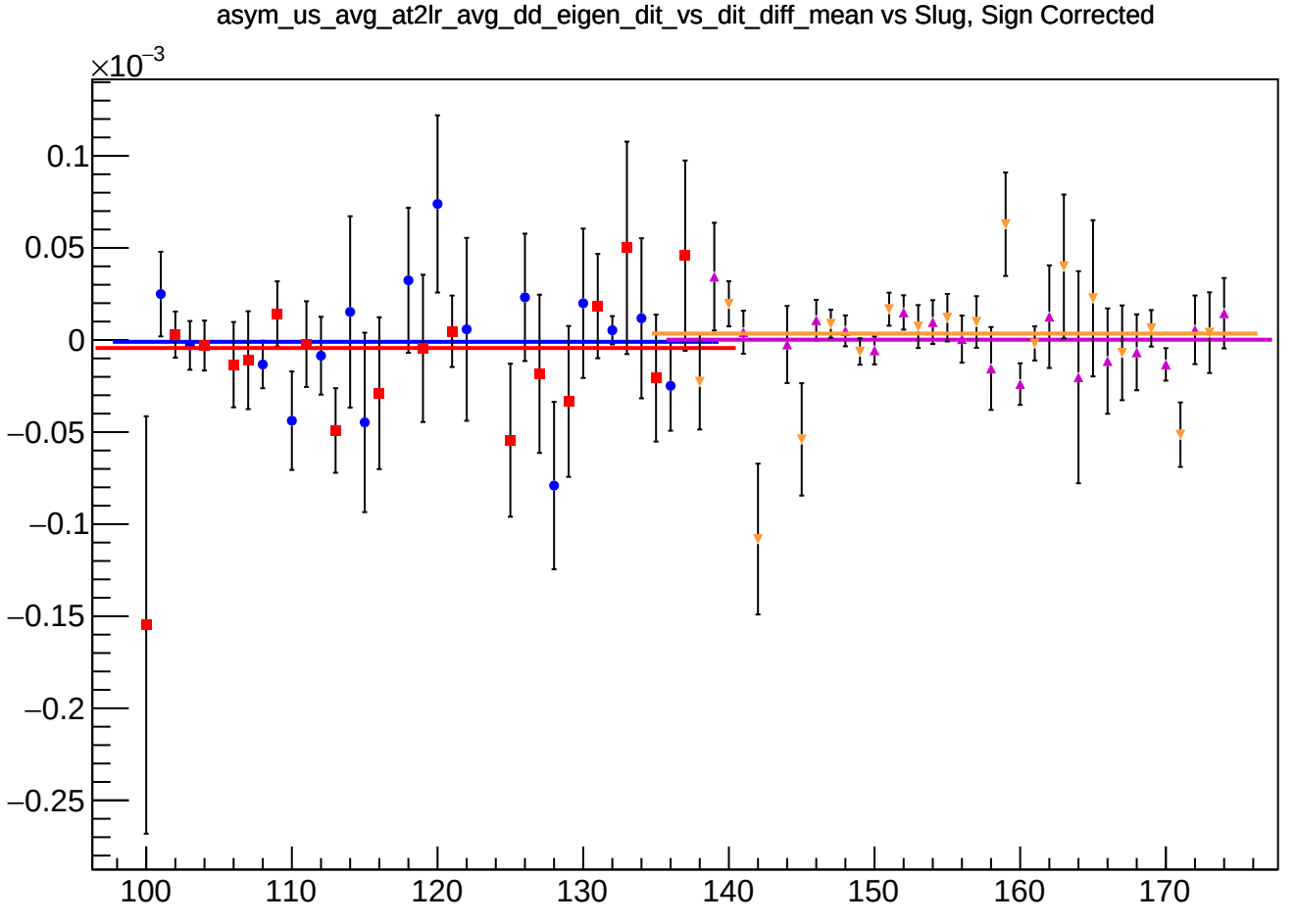
Left: 503.452+/-0.069 χ^2/NDF: 4125929.4/35

Right: 247.407+/-0.050 χ^2/NDF: 3416944.1/33

In: 353.225+/-0.059 χ^2/NDF:7037390.2/33

Out: 320.288+/-0.057 χ^2/NDF:9248108.3/35

All: 336.077+/-0.041 χ^2/NDF: 16447947.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/17

Left In: 0.000+/-0.000 χ^2/NDF:15.1/17

Left: 0.000+/-0.000 χ^2/NDF: 50.7/35

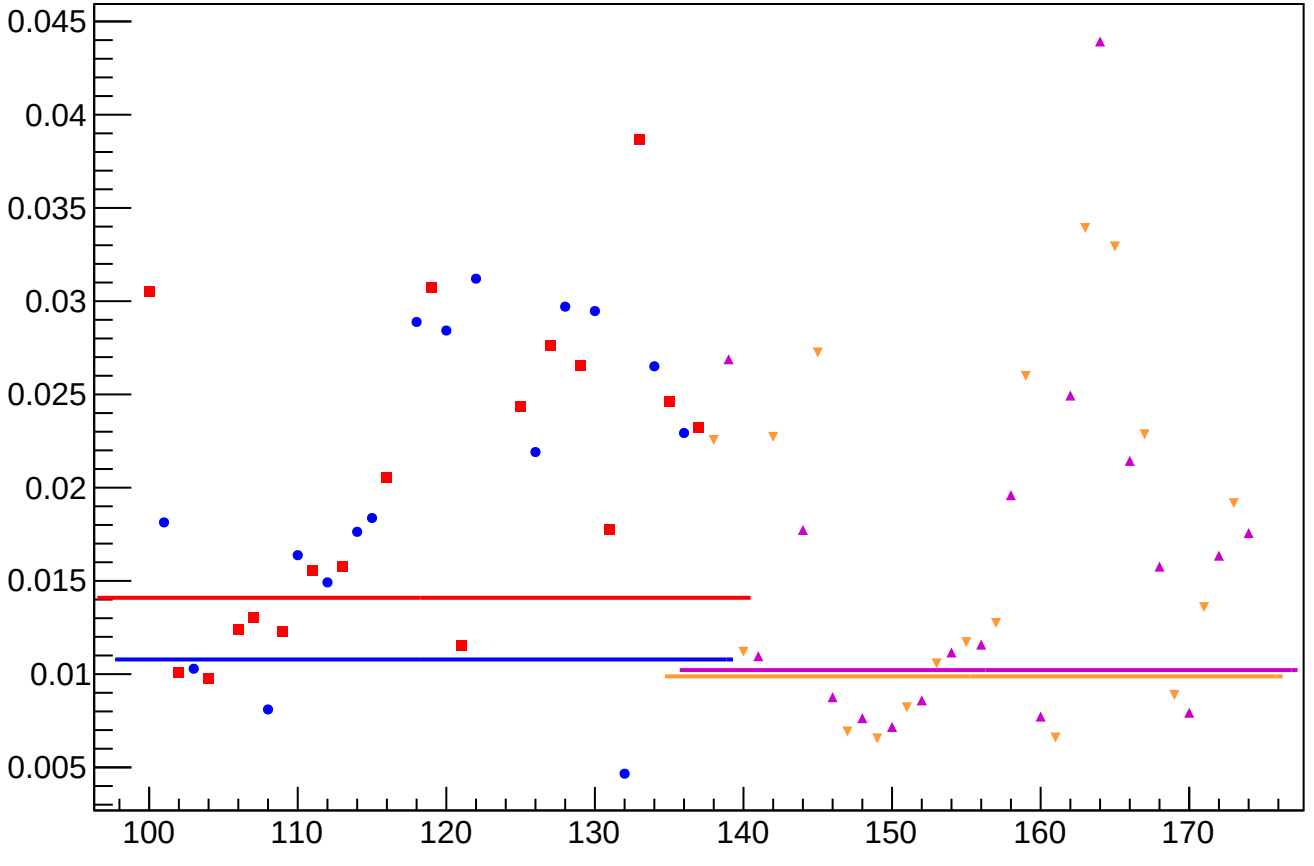
Right: -0.000+/-0.000 χ^2/NDF: 27.2/33

In: -0.000+/-0.000 χ^2/NDF:29.5/33

Out: 0.000+/-0.000 χ^2/NDF:49.0/35

All: 0.000+/-0.000 χ^2/NDF: 78.8/69

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 4580054.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:5516717.5/17

Right Out: 0.014+/-0.000 χ^2/NDF: 2084942.5/17

Left In: 0.010+/-0.000 χ^2/NDF:4347774.5/17

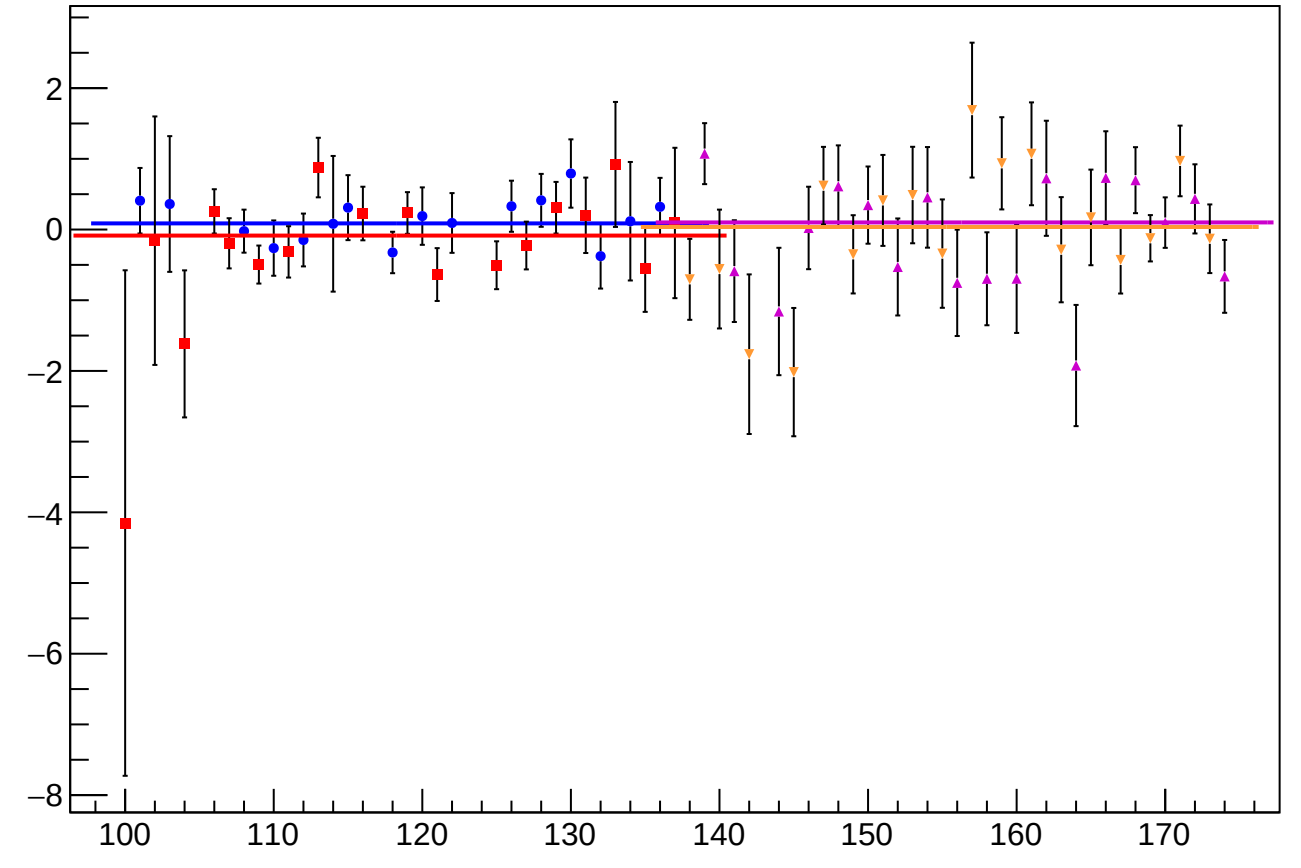
Left: 0.010+/-0.000 χ^2/NDF: 9876898.6/35

Right: 0.012+/-0.000 χ^2/NDF: 7045946.1/33

In: 0.010+/-0.000 χ^2/NDF:8947008.8/33

Out: 0.011+/-0.000 χ^2/NDF:8446994.1/35

All: 0.011+/-0.000 χ^2/NDF: 17420702.7/69



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.101+/-0.137 χ^2/NDF:25.3/17

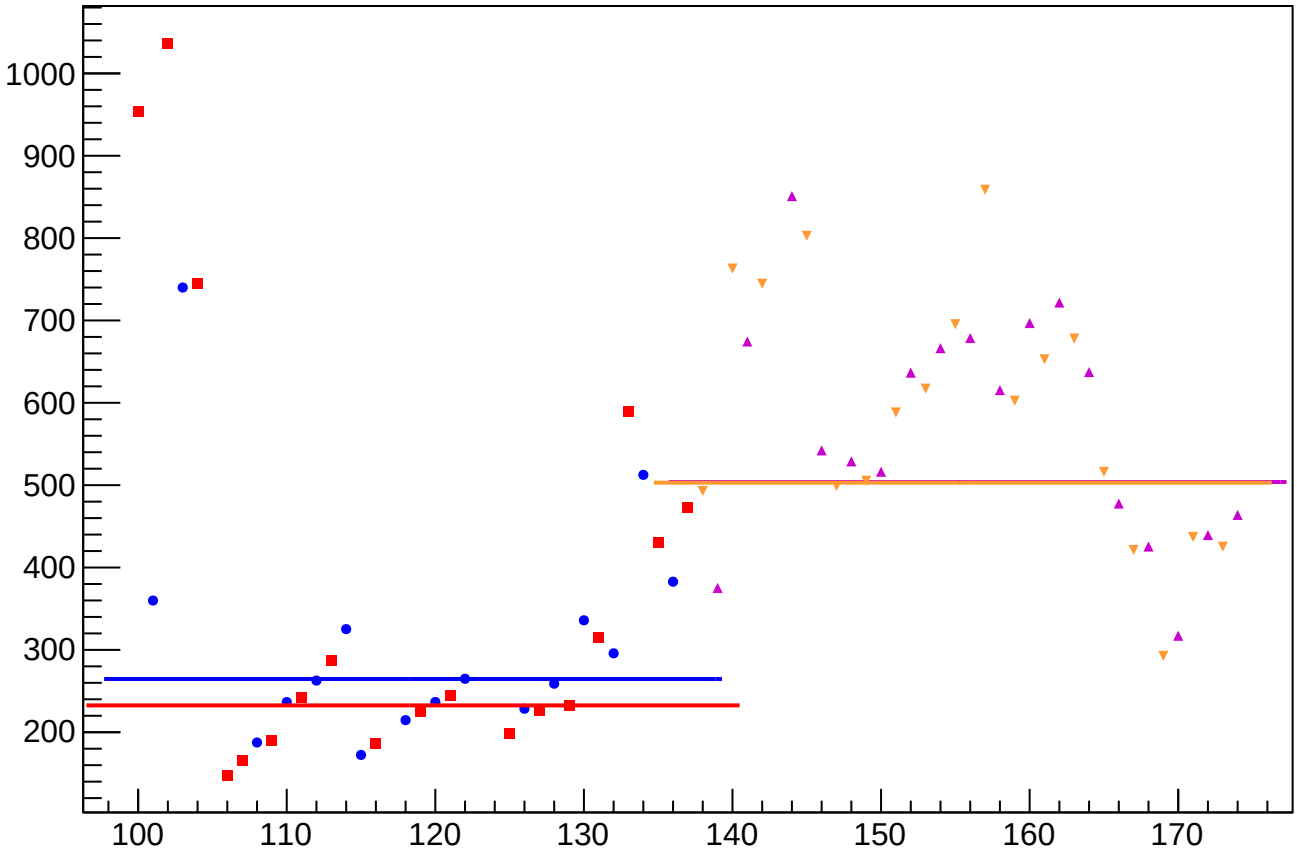
Left: 0.069+/-0.098 χ^2/NDF: 49.8/35

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.020+/-0.058 χ^2/NDF: 82.3/69


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
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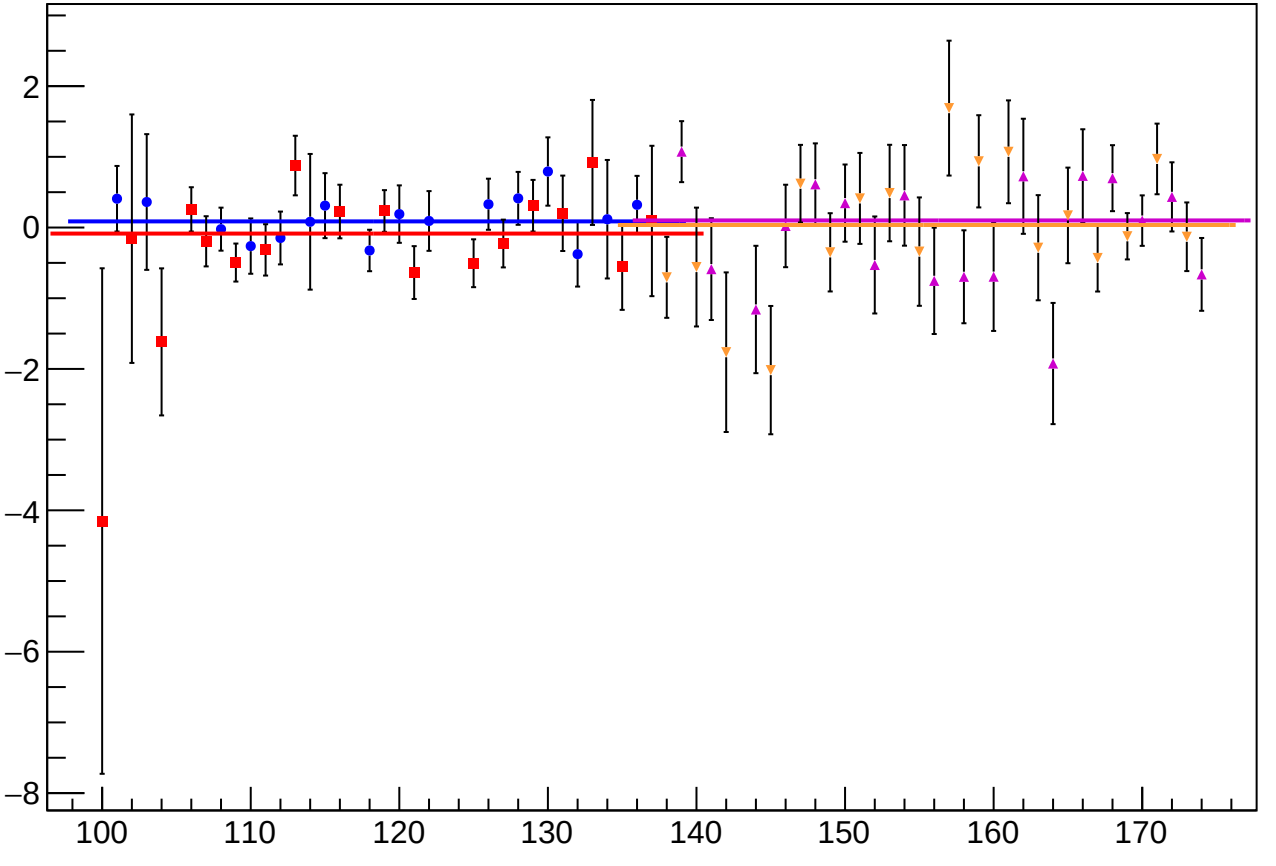
140
150
160
170
Right In: 264.667+/-0.074 χ²/NDF: 1283977.8/15
Left Out: 503.042+/-0.099 χ²/NDF:2209255.8/17
Right Out: 232.596+/-0.069 χ²/NDF: 2032655.0/17
Left In: 503.845+/-0.097 χ²/NDF:1916820.9/17
Left: 503.454+/-0.069 χ²/NDF: 4126110.1/35
Right: 247.407+/-0.050 χ²/NDF: 3416901.3/33
In: 353.225+/-0.059 χ²/NDF:7037480.8/33
Out: 320.289+/-0.057 χ²/NDF:9248195.4/35
All: 336.078+/-0.041 χ²/NDF: 16448119.5/69

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.087+/-0.105 χ^2/NDF: 8.8/15

Left Out: 0.036+/-0.141 χ^2/NDF:24.5/17

Right Out: -0.086+/-0.097 χ^2/NDF: 21.8/17

Left In: 0.101+/-0.137 χ^2/NDF:25.3/17

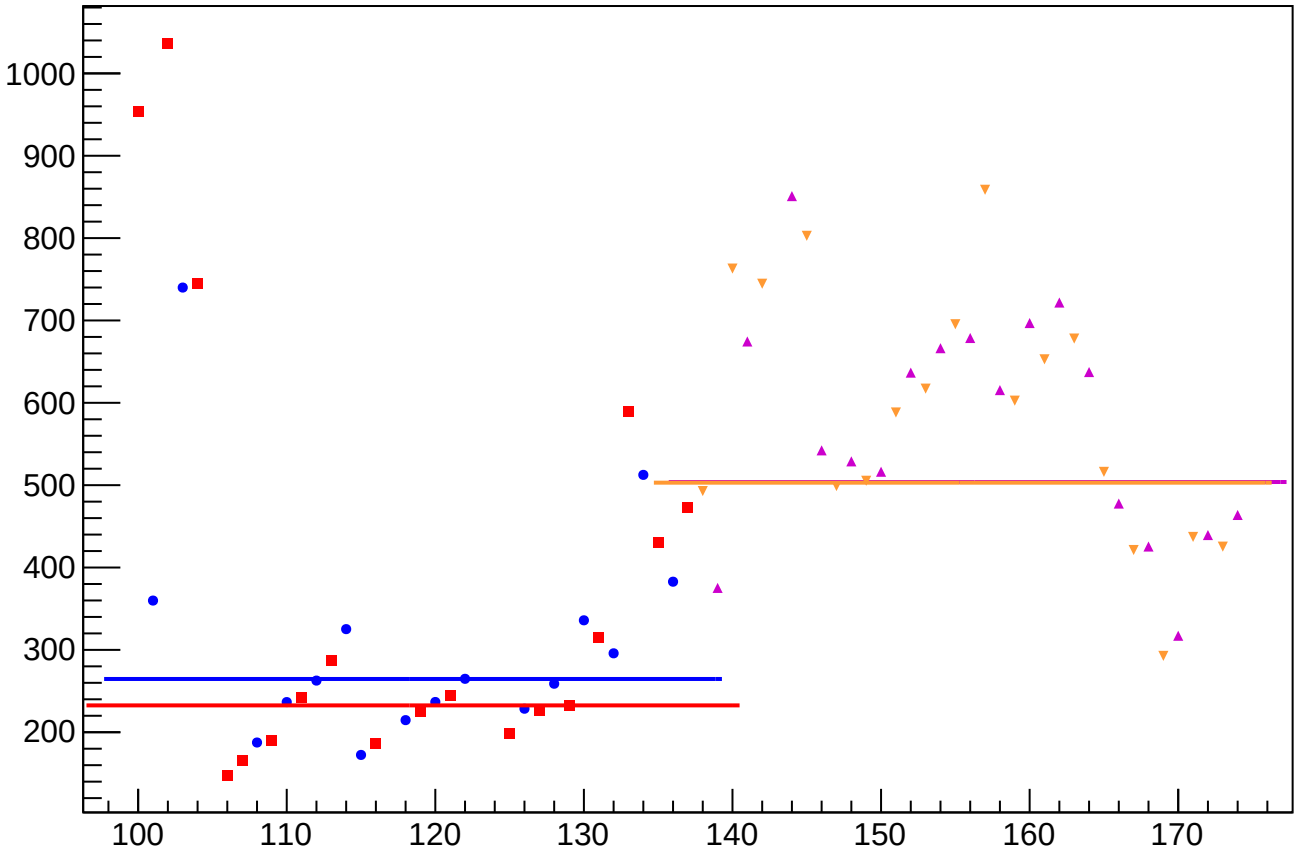
Left: 0.069+/-0.098 χ^2/NDF: 49.8/35

Right: -0.006+/-0.071 χ^2/NDF: 32.1/33

In: 0.092+/-0.083 χ^2/NDF:34.1/33

Out: -0.046+/-0.080 χ^2/NDF:46.8/35

All: 0.020+/-0.058 χ^2/NDF: 82.3/69



Right In: 264.667+/-0.074 χ^2/NDF: 1283977.8/15

Left Out: 503.042+/-0.099 χ^2/NDF:2209255.8/17

Right Out: 232.596+/-0.069 χ^2/NDF: 2032655.0/17

Left In: 503.845+/-0.097 χ^2/NDF:1916820.9/17

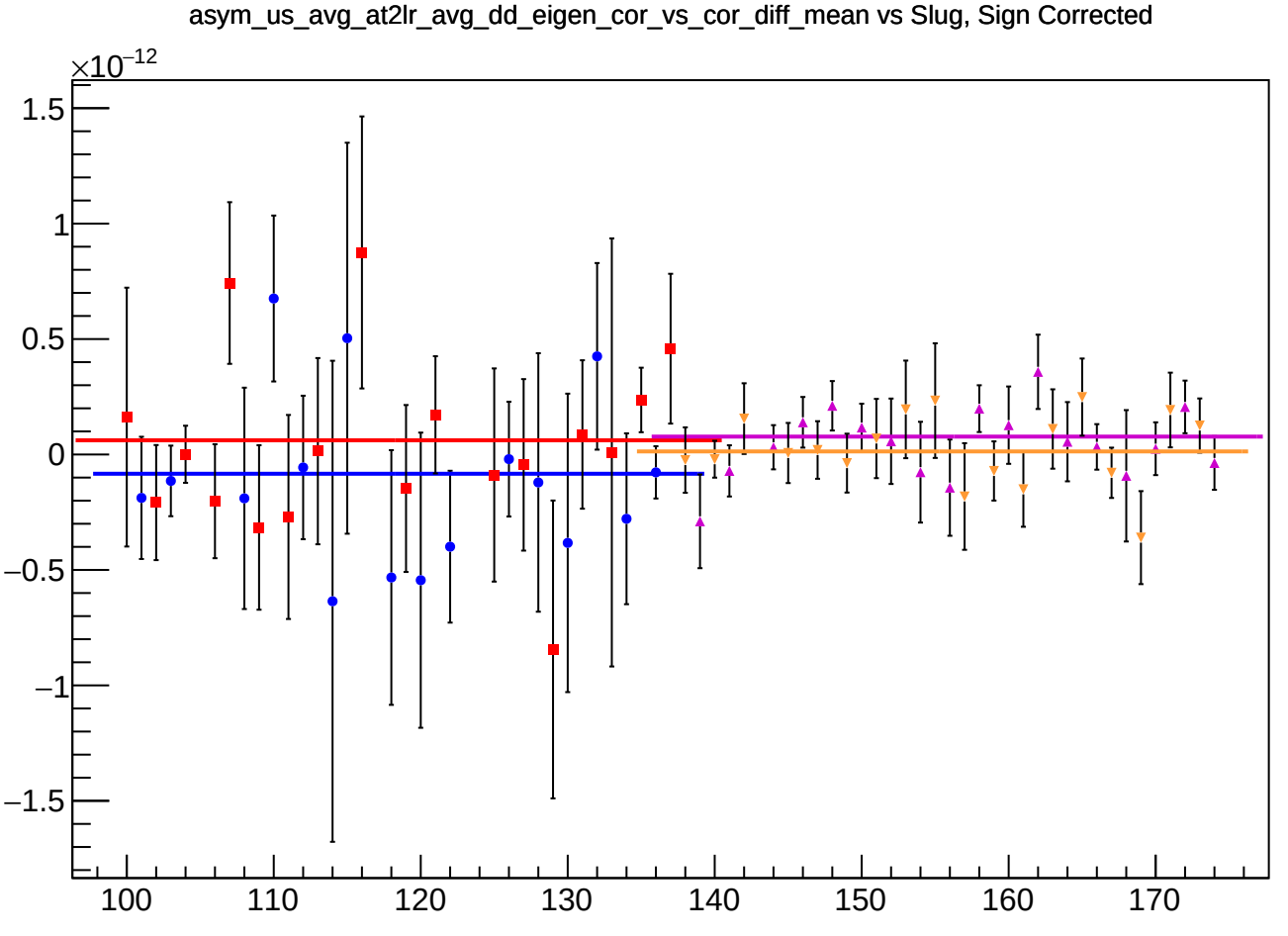
Left: 503.454+/-0.069 χ^2/NDF: 4126110.1/35

Right: 247.407+/-0.050 χ^2/NDF: 3416901.3/33

In: 353.225+/-0.059 χ^2/NDF:7037480.8/33

Out: 320.289+/-0.057 χ^2/NDF:9248195.4/35

All: 336.078+/-0.041 χ^2/NDF: 16448119.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 9.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/17

Left In: 0.000+/-0.000 χ^2/NDF:16.5/17

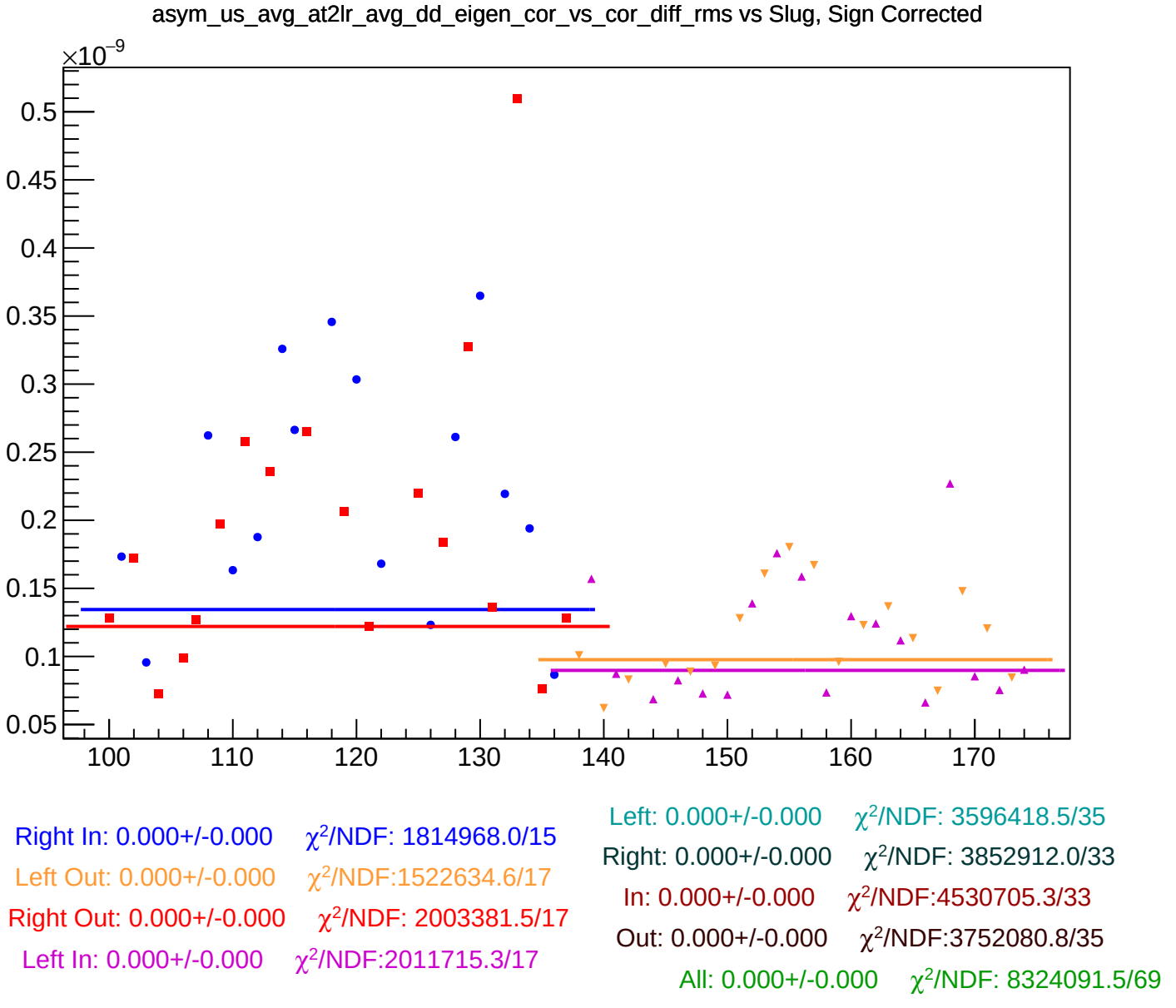
Left: 0.000+/-0.000 χ^2/NDF: 32.3/35

Right: -0.000+/-0.000 χ^2/NDF: 27.8/33

In: 0.000+/-0.000 χ^2/NDF:30.8/33

Out: 0.000+/-0.000 χ^2/NDF:29.9/35

All: 0.000+/-0.000 χ^2/NDF: 61.2/69


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
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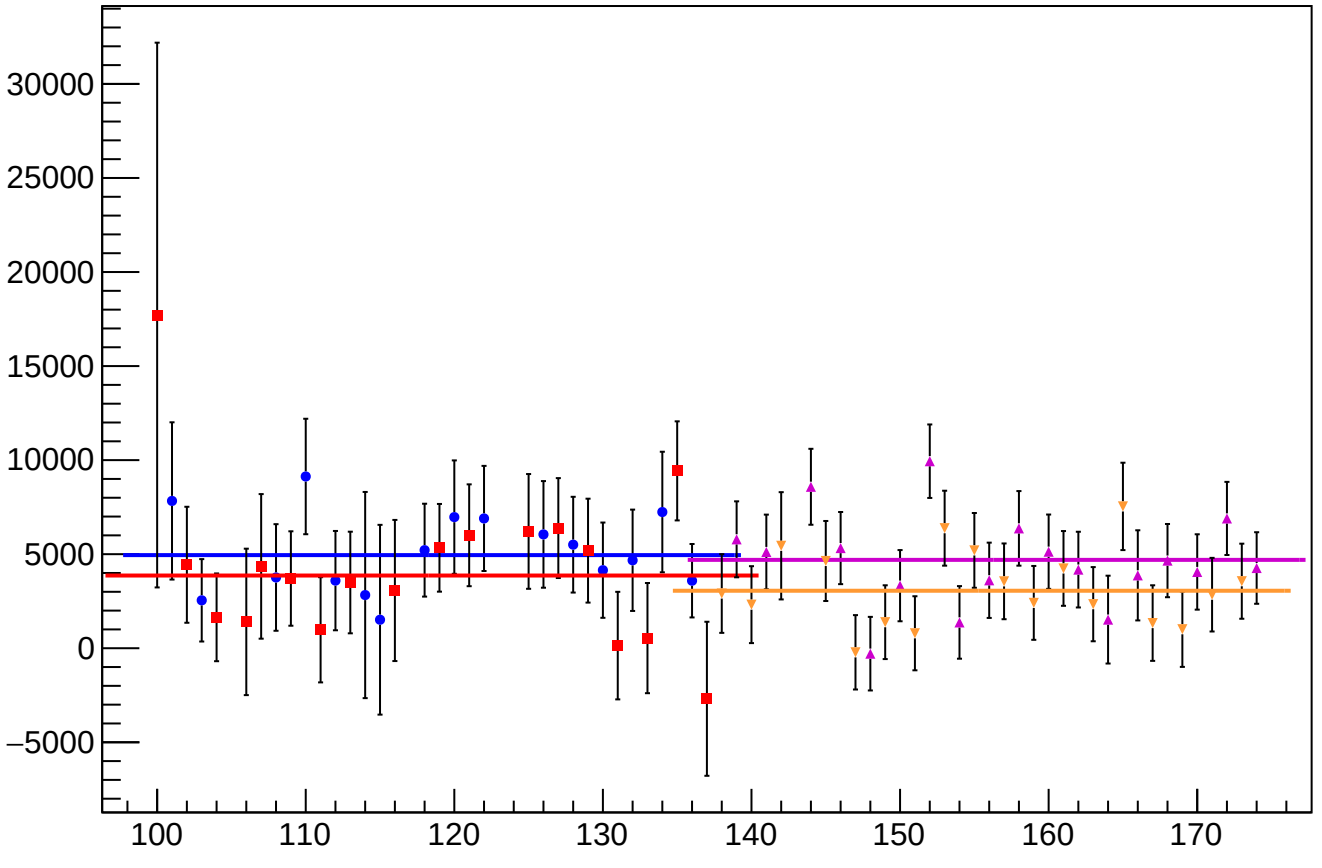
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1814968.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1522634.6/17
Right Out: 0.000+/-0.000 χ²/NDF: 2003381.5/17
Left In: 0.000+/-0.000 χ²/NDF:2011715.3/17
Left: 0.000+/-0.000 χ²/NDF: 3596418.5/35
Right: 0.000+/-0.000 χ²/NDF: 3852912.0/33
In: 0.000+/-0.000 χ²/NDF:4530705.3/33
Out: 0.000+/-0.000 χ²/NDF:3752080.8/35
All: 0.000+/-0.000 χ²/NDF: 8324091.5/69



Right In: 4950.321+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3055.888+/-482.136 χ^2/NDF:16.4/17

Right Out: 3865.145+/-695.781 χ^2/NDF: 16.2/17

Left In: 4697.362+/-471.074 χ^2/NDF:25.9/17

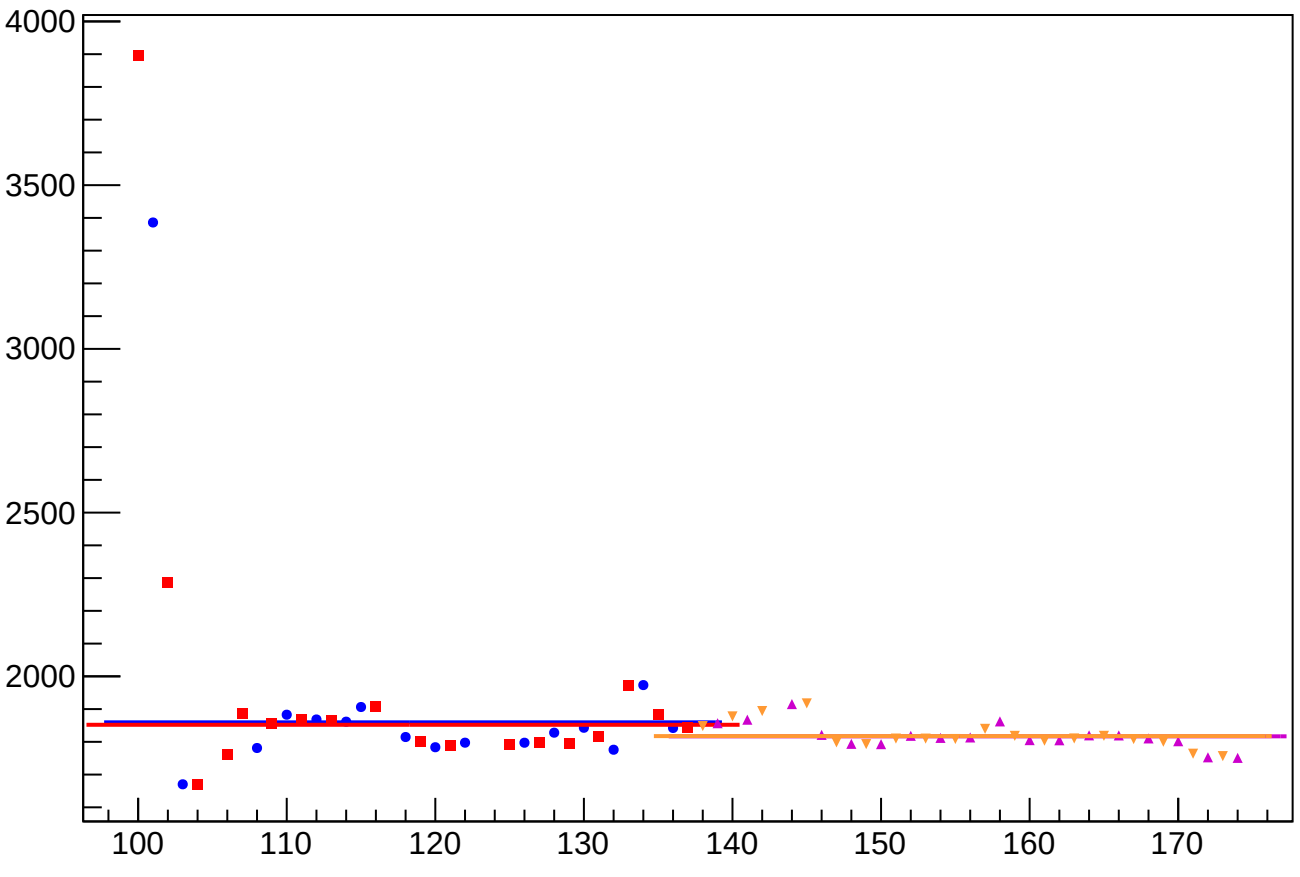
Left: 3895.671+/-336.942 χ^2/NDF: 48.2/35

Right: 4405.277+/-493.103 χ^2/NDF: 24.2/33

In: 4776.377+/-390.632 χ^2/NDF:32.8/33

Out: 3318.412+/-396.290 χ^2/NDF:33.4/35

All: 4057.877+/-278.198 χ^2/NDF: 73.1/69



Right In: 1859.509+/-0.494 χ^2/NDF: 292334.6/15

Left Out: 1817.476+/-0.341 χ^2/NDF:12554.0/17

Right Out: 1852.065+/-0.490 χ^2/NDF: 102212.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

Left: 1817.139+/-0.238 χ^2/NDF: 25936.5/35

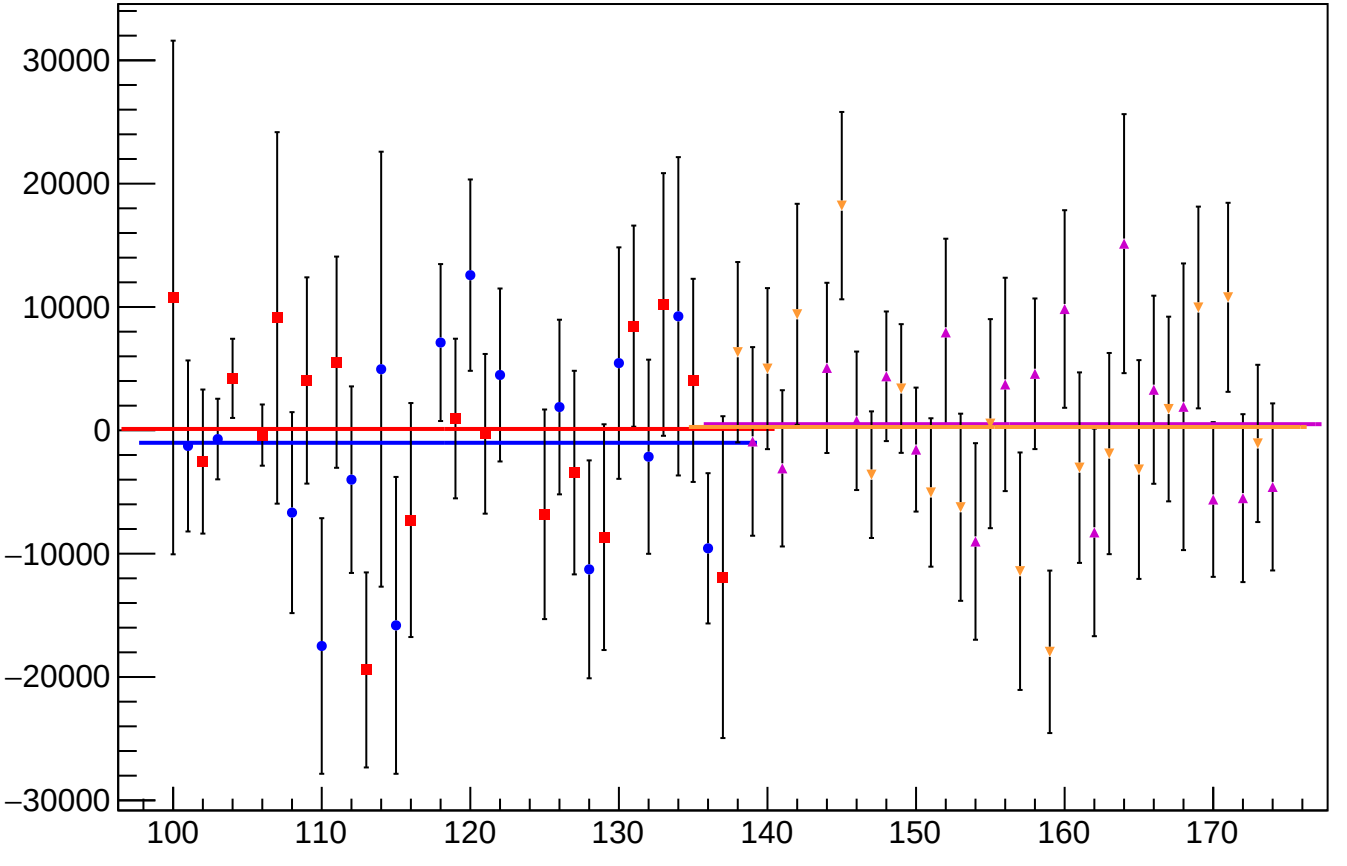
Right: 1855.759+/-0.348 χ^2/NDF: 394661.4/33

In: 1830.153+/-0.276 χ^2/NDF:310846.0/33

Out: 1828.743+/-0.280 χ^2/NDF:118119.6/35

All: 1829.457+/-0.197 χ^2/NDF: 428978.4/69

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: 272.391+/-1670.564 χ^2/NDF:23.2/17

Right Out: 111.261+/-1438.515 χ^2/NDF: 14.6/17

Left In: 498.989+/-1630.869 χ^2/NDF:11.3/17

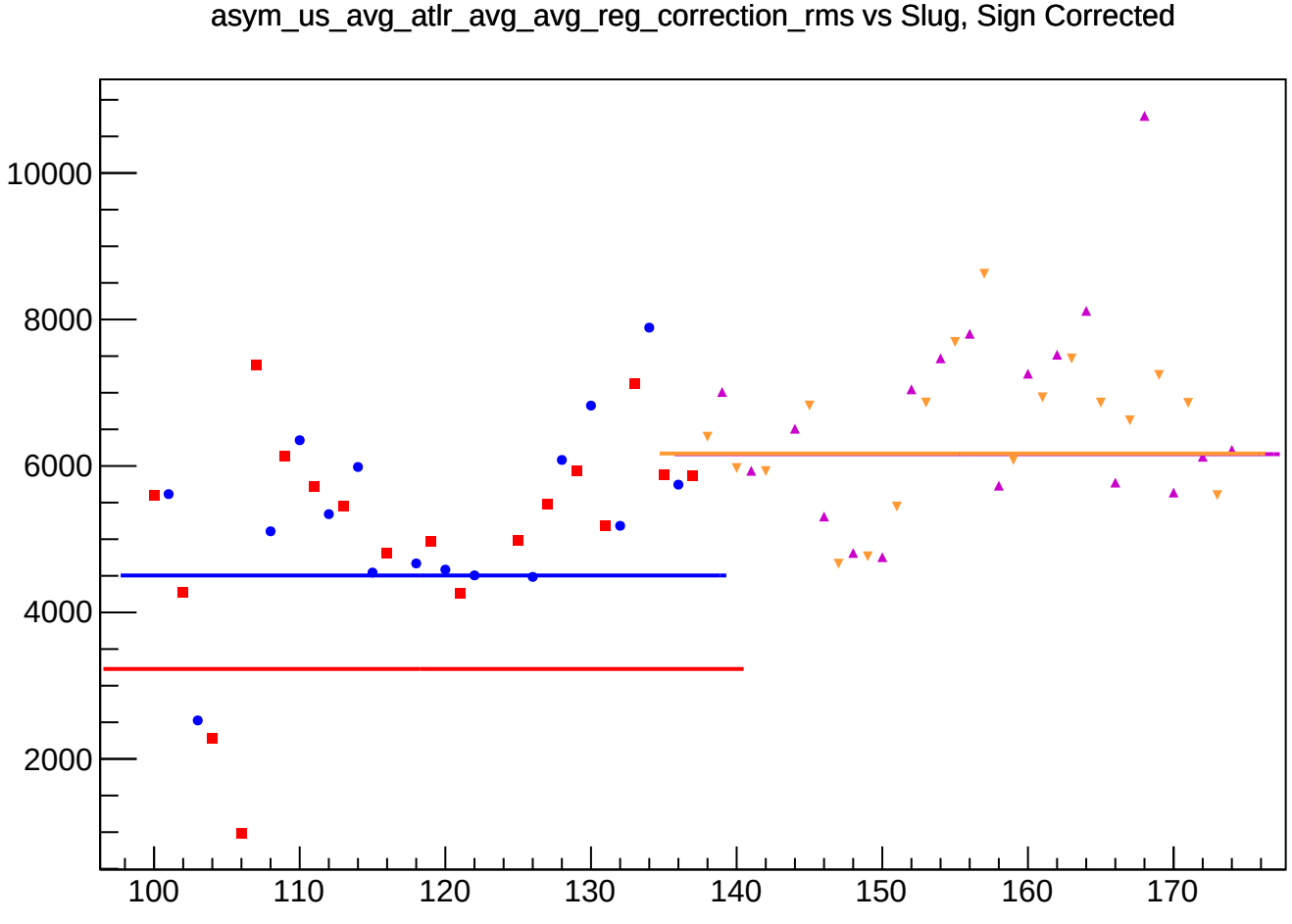
Left: 388.414+/-1166.980 χ^2/NDF: 34.5/35

Right: -336.636+/-1114.867 χ^2/NDF: 29.6/33

In: -196.477+/-1197.558 χ^2/NDF:26.4/33

Out: 179.867+/-1090.070 χ^2/NDF:37.8/35

All: 9.339+/-806.124 χ^2/NDF: 64.3/69



Right In: 4504.788+/-1.247 χ^2/NDF: 1321104.9/15

Left Out: 6170.310+/-1.181 χ^2/NDF:734209.3/17

Right Out: 3228.605+/-1.017 χ^2/NDF: 3956397.6/17

Left In: 6161.198+/-1.153 χ^2/NDF:1024247.8/17

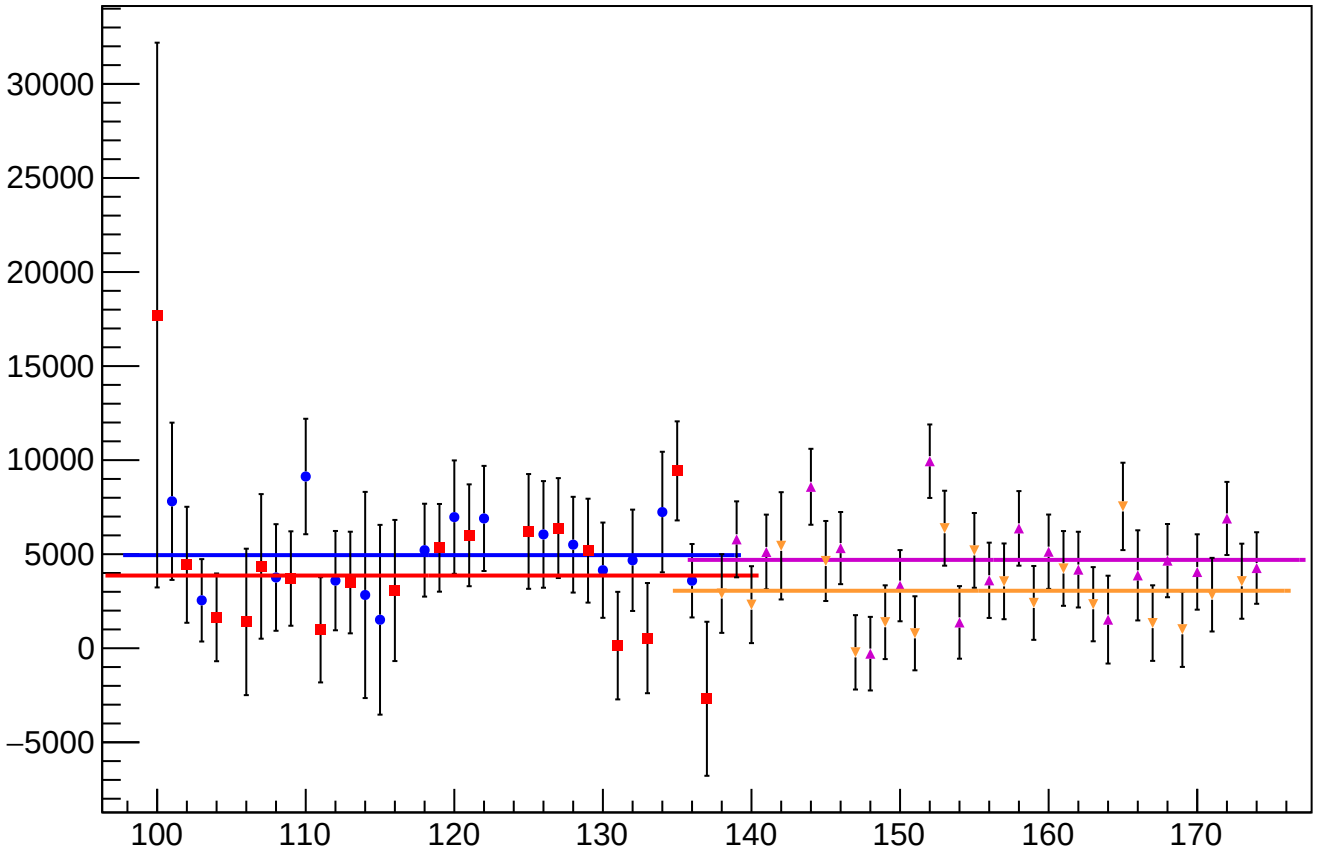
Left: 6165.644+/-0.825 χ^2/NDF: 1758487.5/35

Right: 3738.256+/-0.788 χ^2/NDF: 5906121.0/33

In: 5397.934+/-0.847 χ^2/NDF:3296032.1/33

Out: 4481.117+/-0.771 χ^2/NDF:8251689.8/35

All: 4896.542+/-0.570 χ^2/NDF: 12188779.3/6



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3055.814+/-482.136 χ^2/NDF:16.4/17

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4697.406+/-471.074 χ^2/NDF:25.9/17

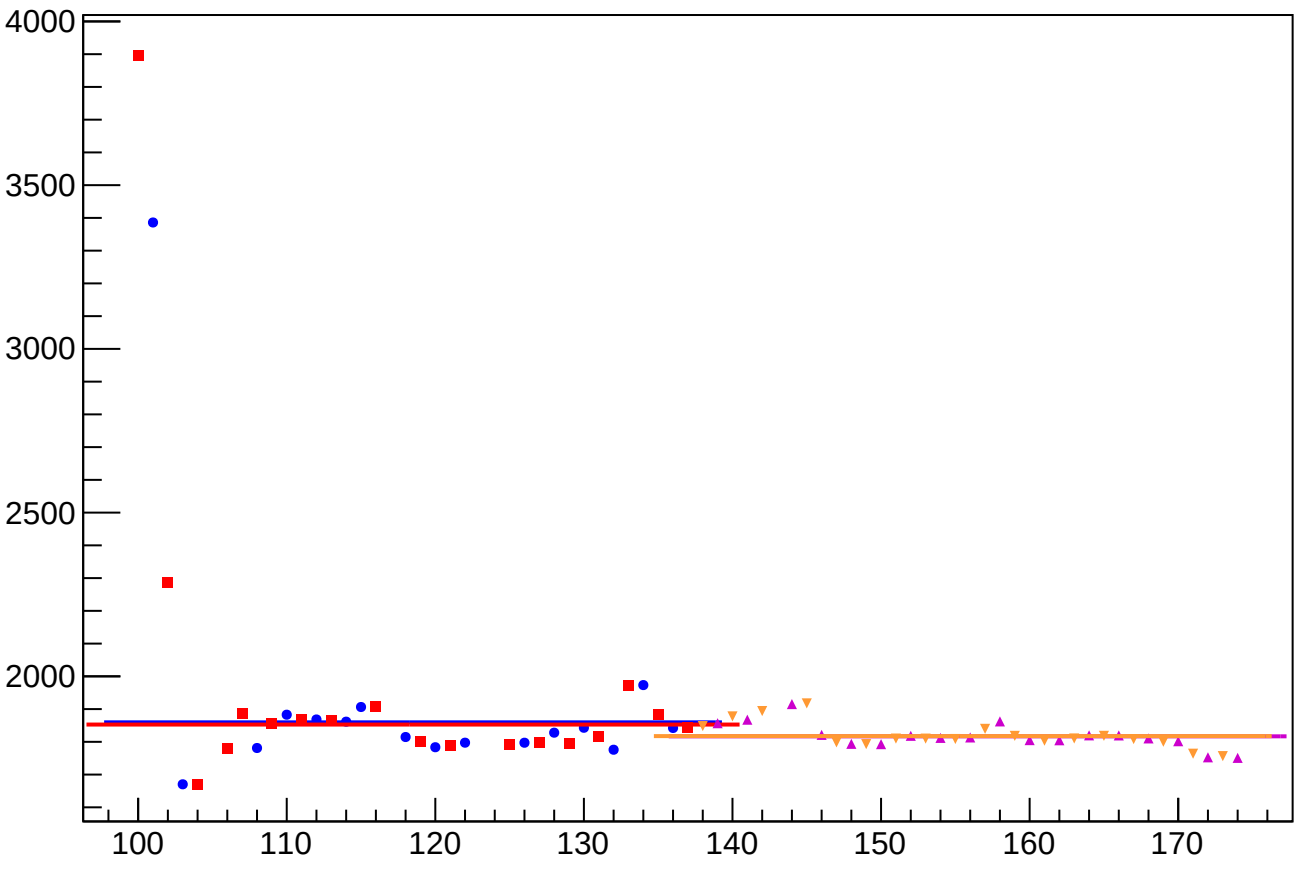
Left: 3895.658+/-336.942 χ^2/NDF: 48.2/35

Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4776.257+/-390.632 χ^2/NDF:32.8/33

Out: 3318.292+/-396.290 χ^2/NDF:33.4/35

All: 4057.757+/-278.198 χ^2/NDF: 73.1/69



Right In: 1859.509+/-0.494 χ^2/NDF: 292336.5/15

Left Out: 1817.476+/-0.341 χ^2/NDF:12554.0/17

Right Out: 1852.770+/-0.491 χ^2/NDF: 101750.5/17

Left In: 1816.818+/-0.333 χ^2/NDF:13380.5/17

Left: 1817.139+/-0.238 χ^2/NDF: 25936.5/35

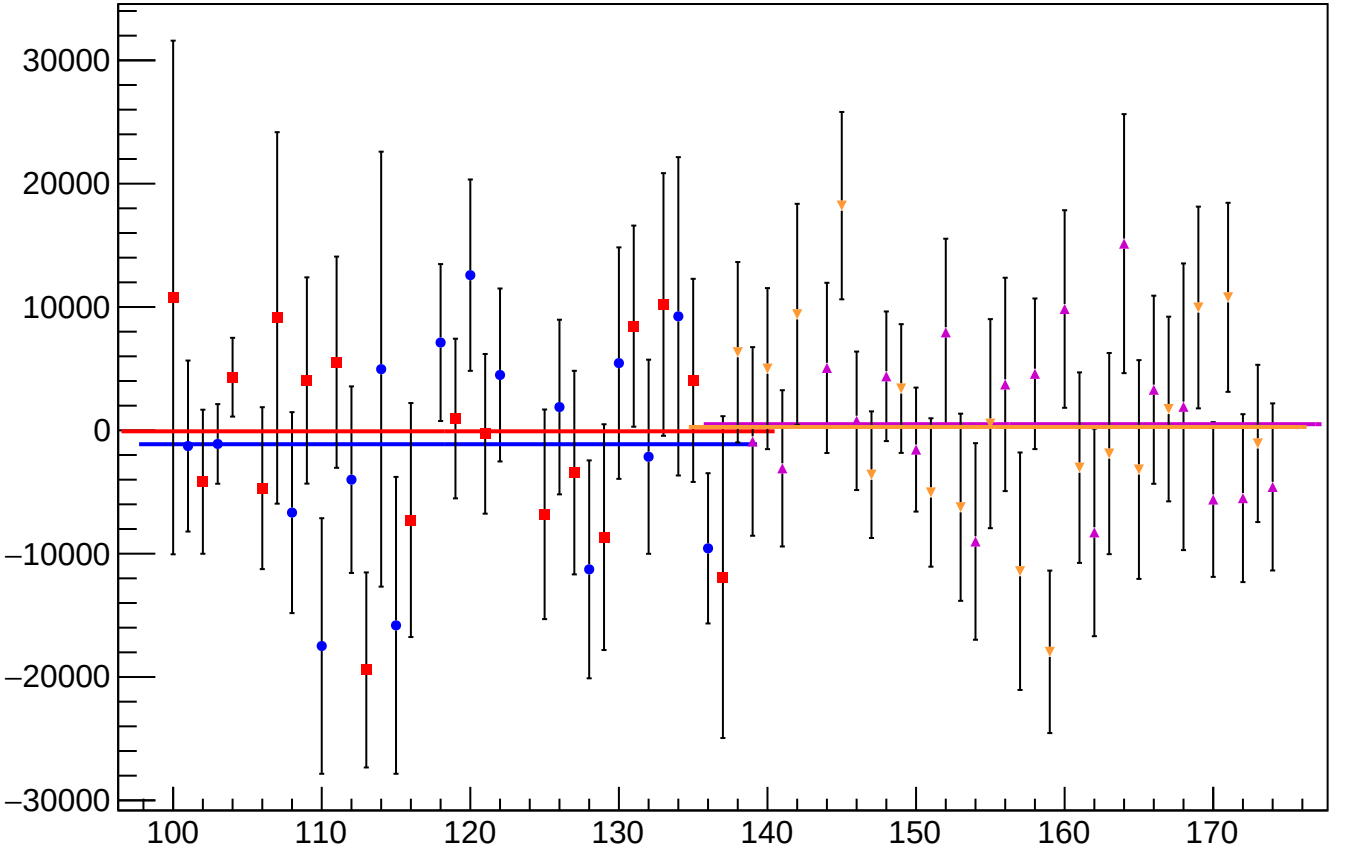
Right: 1856.115+/-0.348 χ^2/NDF: 394180.6/33

In: 1830.153+/-0.276 χ^2/NDF:310847.9/33

Out: 1828.967+/-0.280 χ^2/NDF:117794.2/35

All: 1829.568+/-0.197 χ^2/NDF: 428651.2/69

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: 272.346+/-1670.563 χ^2/NDF:23.2/17

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 499.095+/-1630.870 χ^2/NDF:11.3/17

Left: 388.446+/-1166.980 χ^2/NDF: 34.5/35

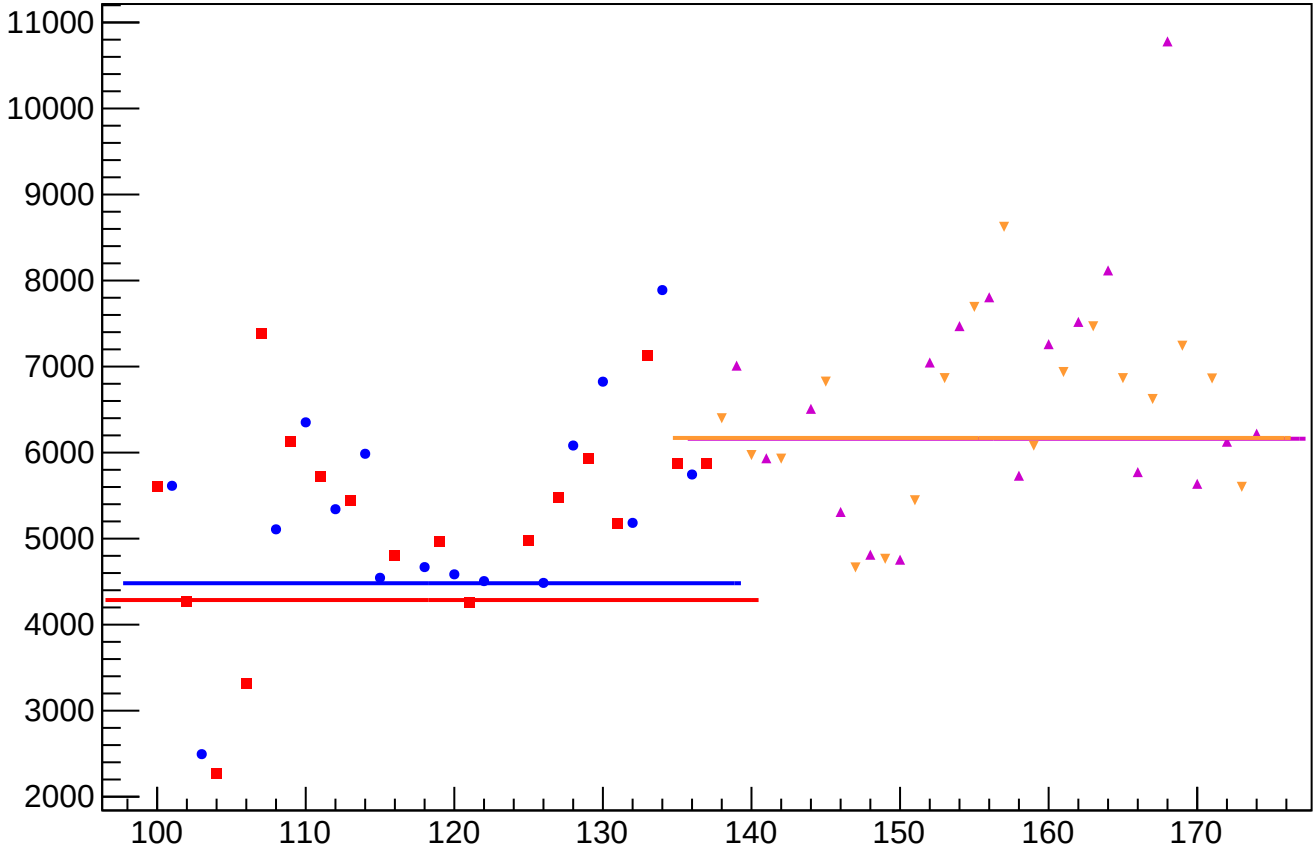
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -252.431+/-1195.580 χ^2/NDF:26.5/33

Out: 100.351+/-1192.378 χ^2/NDF:38.7/35

All: -75.567+/-844.269 χ^2/NDF: 65.3/69

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6170.305+/-1.181 χ^2/NDF:734214.9/17

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

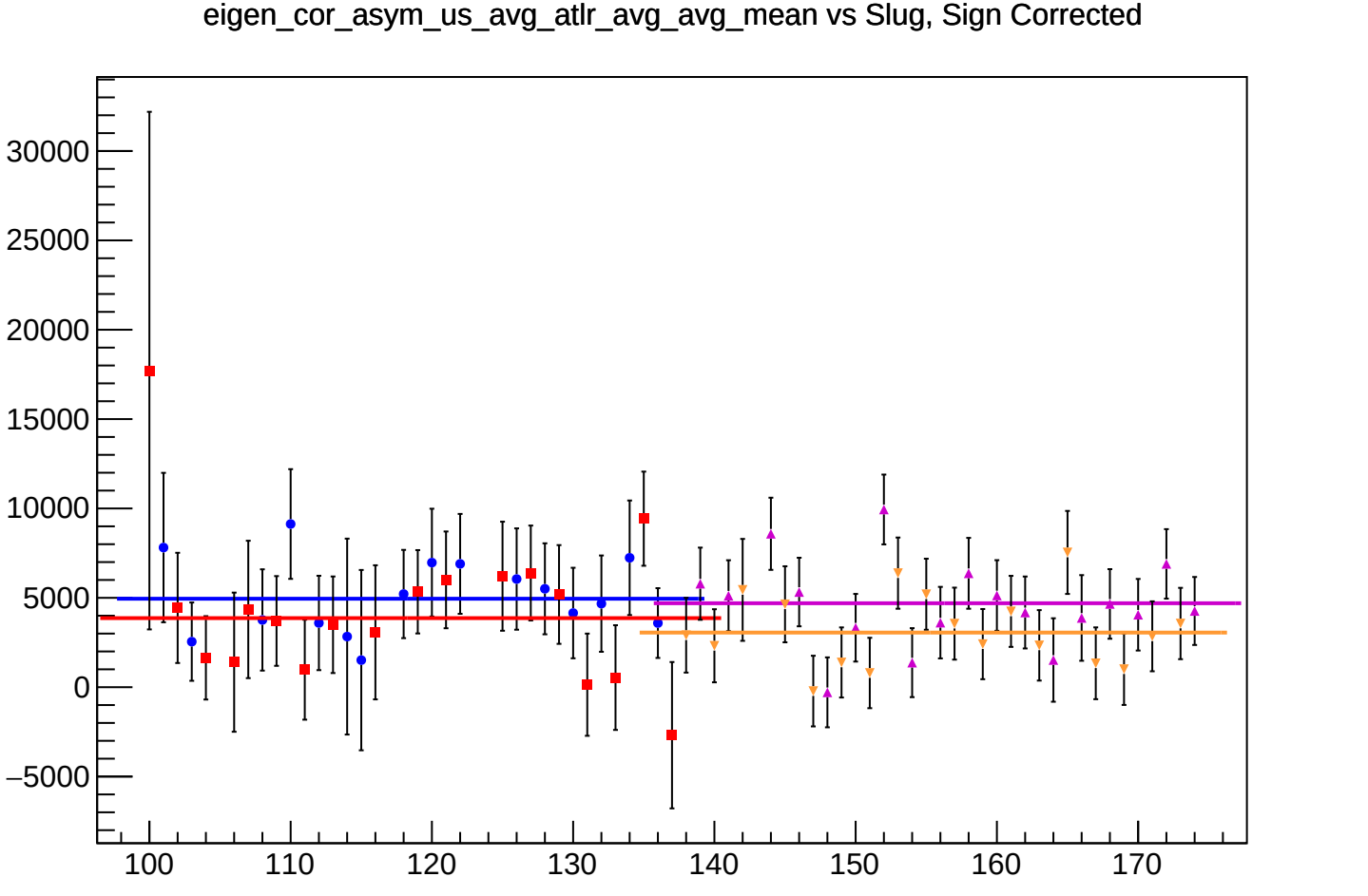
Left: 6165.642+/-0.825 χ^2/NDF: 1758501.9/35

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5384.223+/-0.845 χ^2/NDF:3367865.7/33

Out: 5246.022+/-0.843 χ^2/NDF:3532115.6/35

All: 5314.937+/-0.597 χ^2/NDF: 6913378.8/69



Right In: 4949.838+/-698.937 χ^2/NDF: 6.8/15

Left Out: 3055.814+/-482.136 χ^2/NDF:16.4/17

Right Out: 3864.930+/-695.781 χ^2/NDF: 16.2/17

Left In: 4697.406+/-471.074 χ^2/NDF:25.9/17

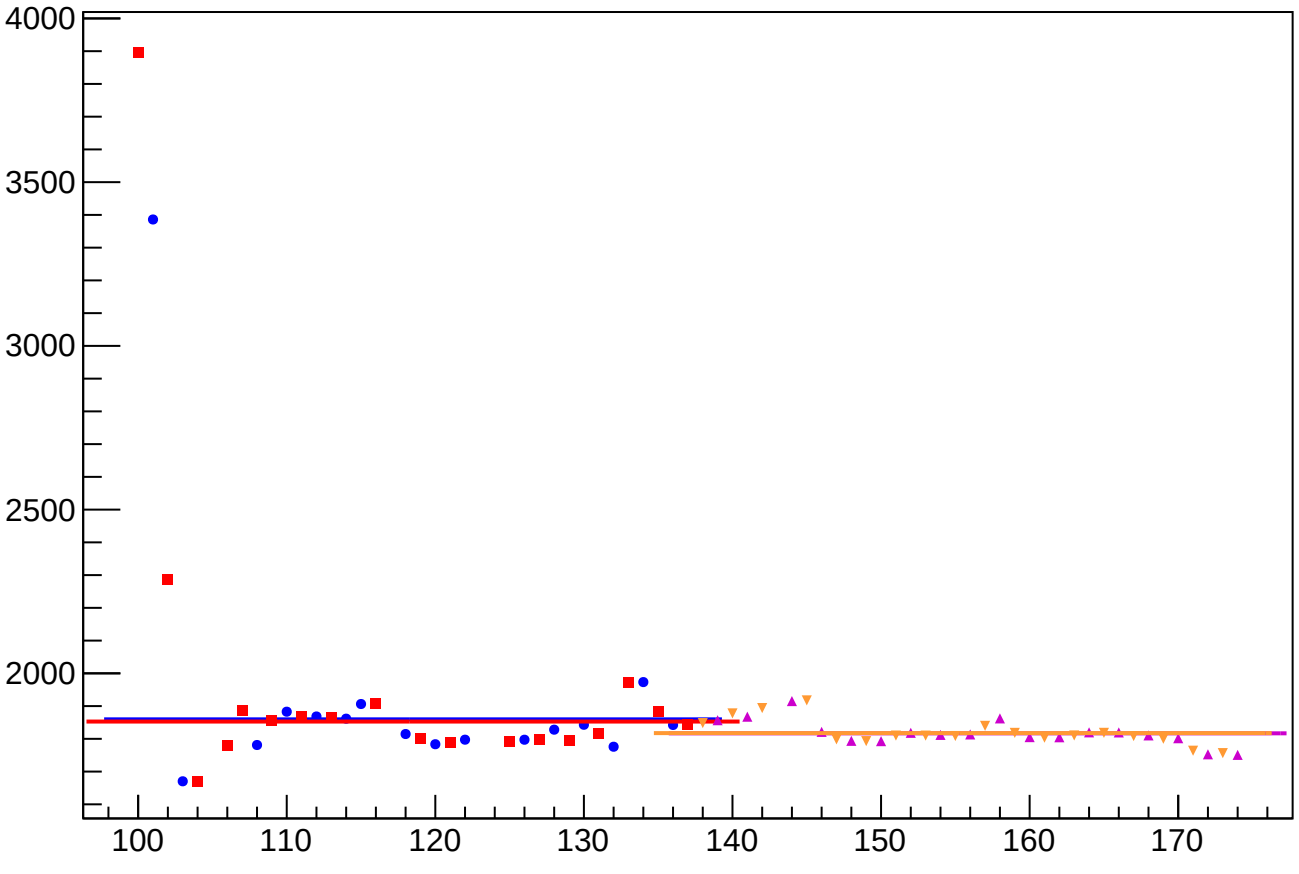
Left: 3895.658+/-336.942 χ^2/NDF: 48.2/35

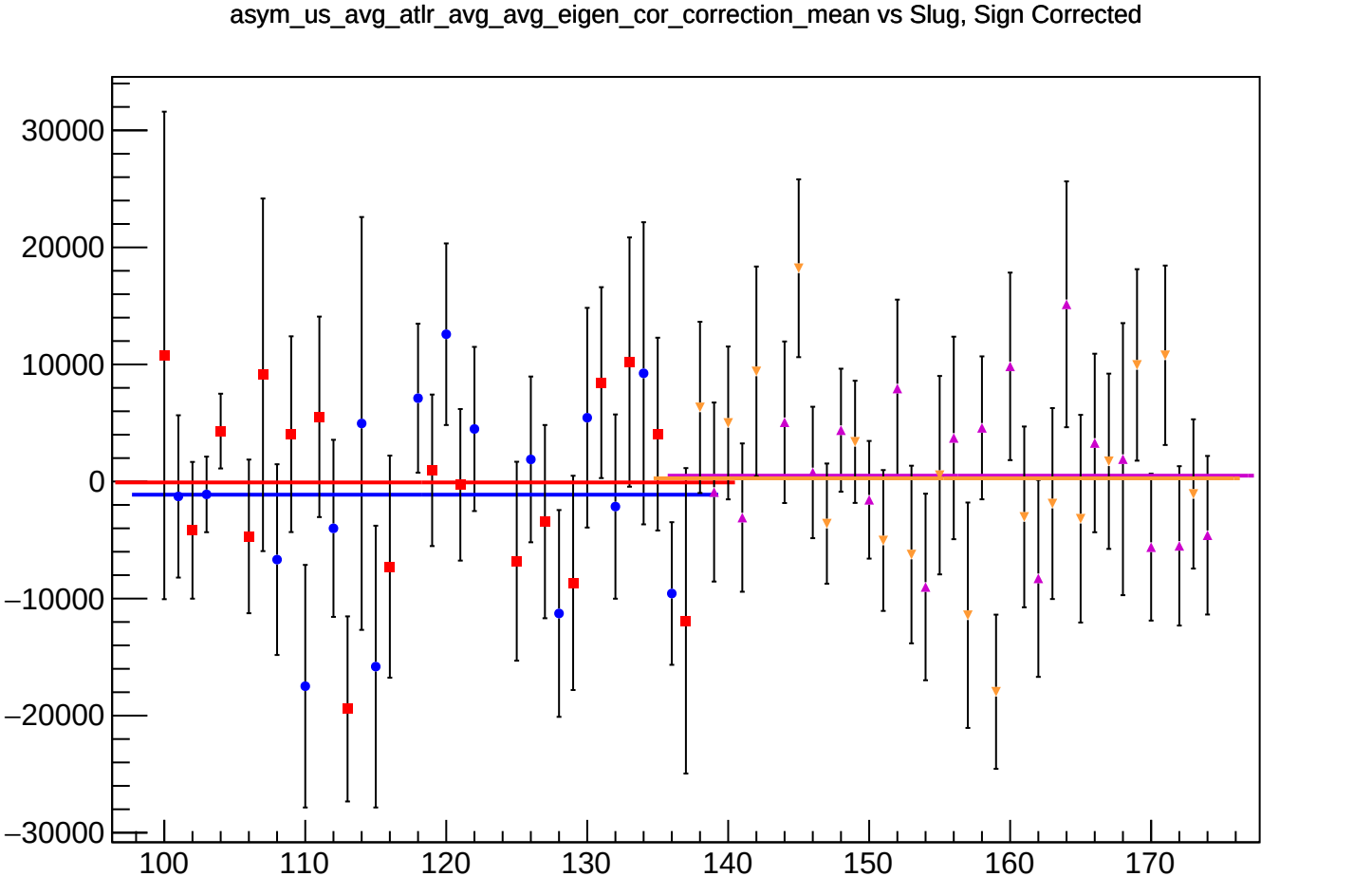
Right: 4404.929+/-493.103 χ^2/NDF: 24.2/33

In: 4776.257+/-390.632 χ^2/NDF:32.8/33

Out: 3318.292+/-396.290 χ^2/NDF:33.4/35

All: 4057.757+/-278.198 χ^2/NDF: 73.1/69


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
100
110
120
130
140
150
160
170
Right In: 1859.509+/-0.494 χ²/NDF: 292336.5/15
Left Out: 1817.476+/-0.341 χ²/NDF:12554.0/17
Right Out: 1852.770+/-0.491 χ²/NDF: 101750.5/17
Left In: 1816.818+/-0.333 χ²/NDF:13380.5/17
Left: 1817.139+/-0.238 χ²/NDF: 25936.5/35
Right: 1856.115+/-0.348 χ²/NDF: 394180.6/33
In: 1830.153+/-0.276 χ²/NDF:310847.9/33
Out: 1828.967+/-0.280 χ²/NDF:117794.2/35
All: 1829.568+/-0.197 χ²/NDF: 428651.2/69



Right In: -1125.567+/-1757.876 χ^2/NDF: 14.7/15

Left Out: 272.346+/-1670.563 χ^2/NDF:23.2/17

Right Out: -78.270+/-1702.444 χ^2/NDF: 15.5/17

Left In: 499.095+/-1630.870 χ^2/NDF:11.3/17

Left: 388.446+/-1166.980 χ^2/NDF: 34.5/35

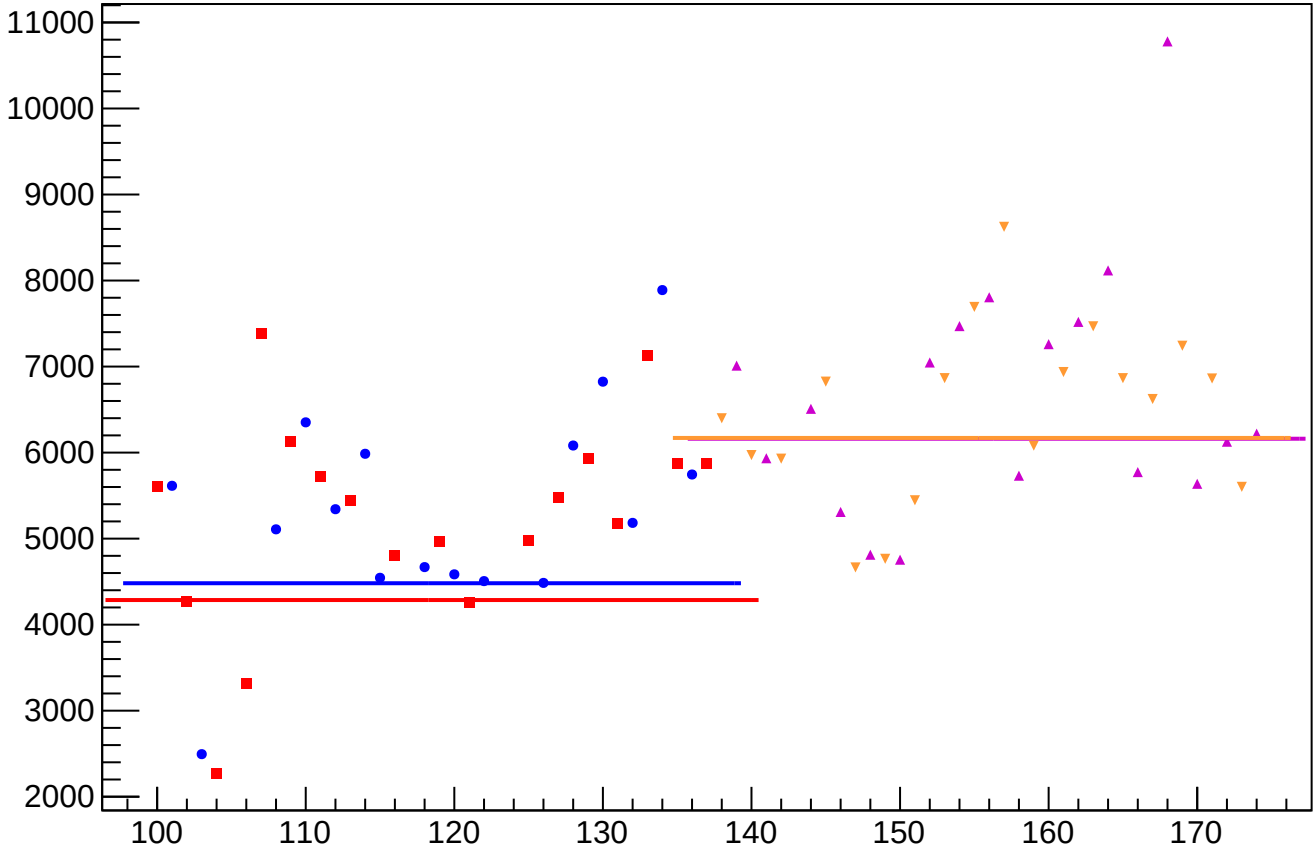
Right: -585.146+/-1222.937 χ^2/NDF: 30.5/33

In: -252.431+/-1195.580 χ^2/NDF:26.5/33

Out: 100.351+/-1192.378 χ^2/NDF:38.7/35

All: -75.567+/-844.269 χ^2/NDF: 65.3/69

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4481.518+/-1.243 χ^2/NDF: 1362255.0/15

Left Out: 6170.305+/-1.181 χ^2/NDF:734214.9/17

Right Out: 4286.125+/-1.204 χ^2/NDF: 1549852.7/17

Left In: 6161.199+/-1.153 χ^2/NDF:1024256.5/17

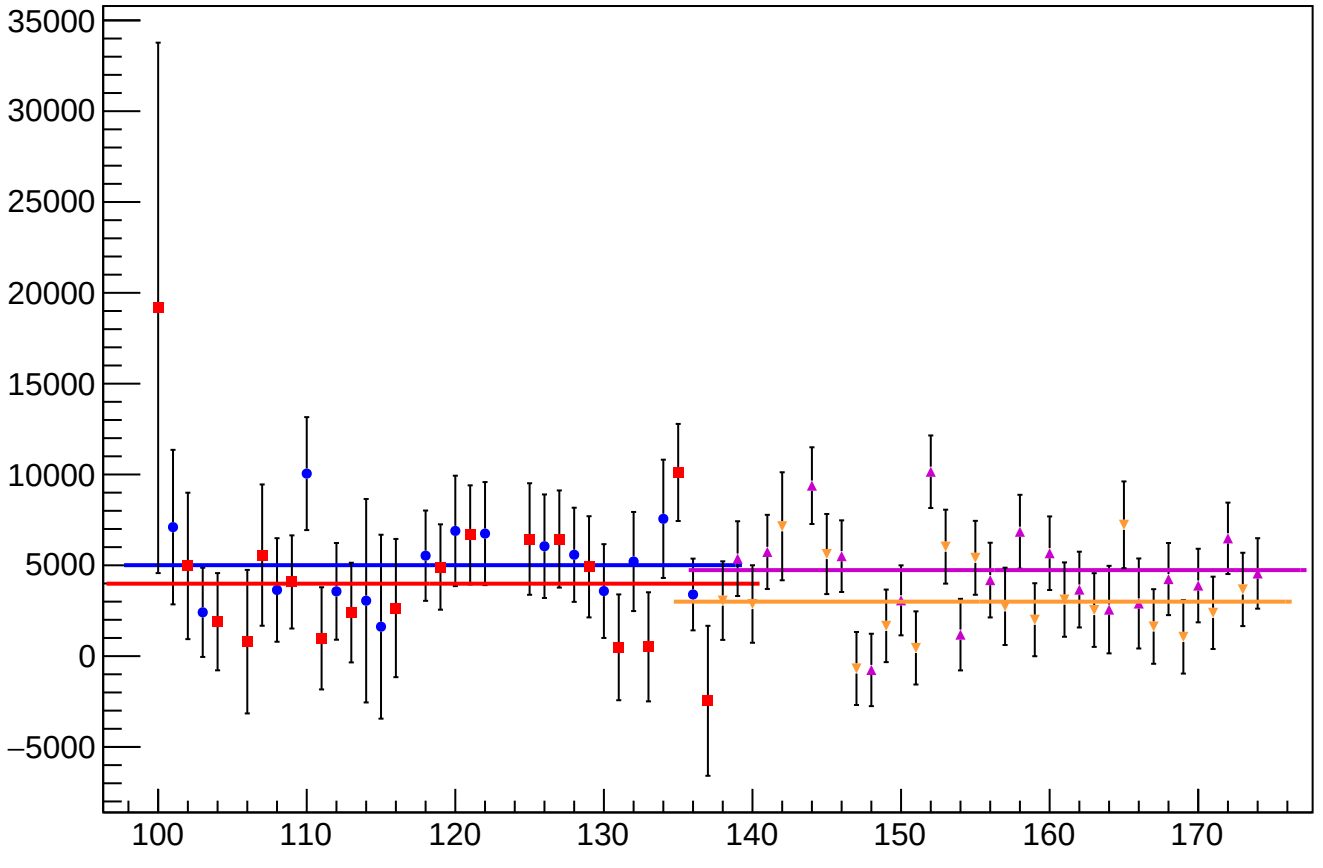
Left: 6165.642+/-0.825 χ^2/NDF: 1758501.9/35

Right: 4380.692+/-0.865 χ^2/NDF: 2924858.4/33

In: 5384.223+/-0.845 χ^2/NDF:3367865.7/33

Out: 5246.022+/-0.843 χ^2/NDF:3532115.6/35

All: 5314.937+/-0.597 χ^2/NDF: 6913378.8/69



Right In: 5007.315+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2998.509+/-494.754 χ^2/NDF:17.4/17

Right Out: 3989.193+/-719.024 χ^2/NDF: 17.4/17

Left In: 4735.132+/-482.417 χ^2/NDF:28.3/17

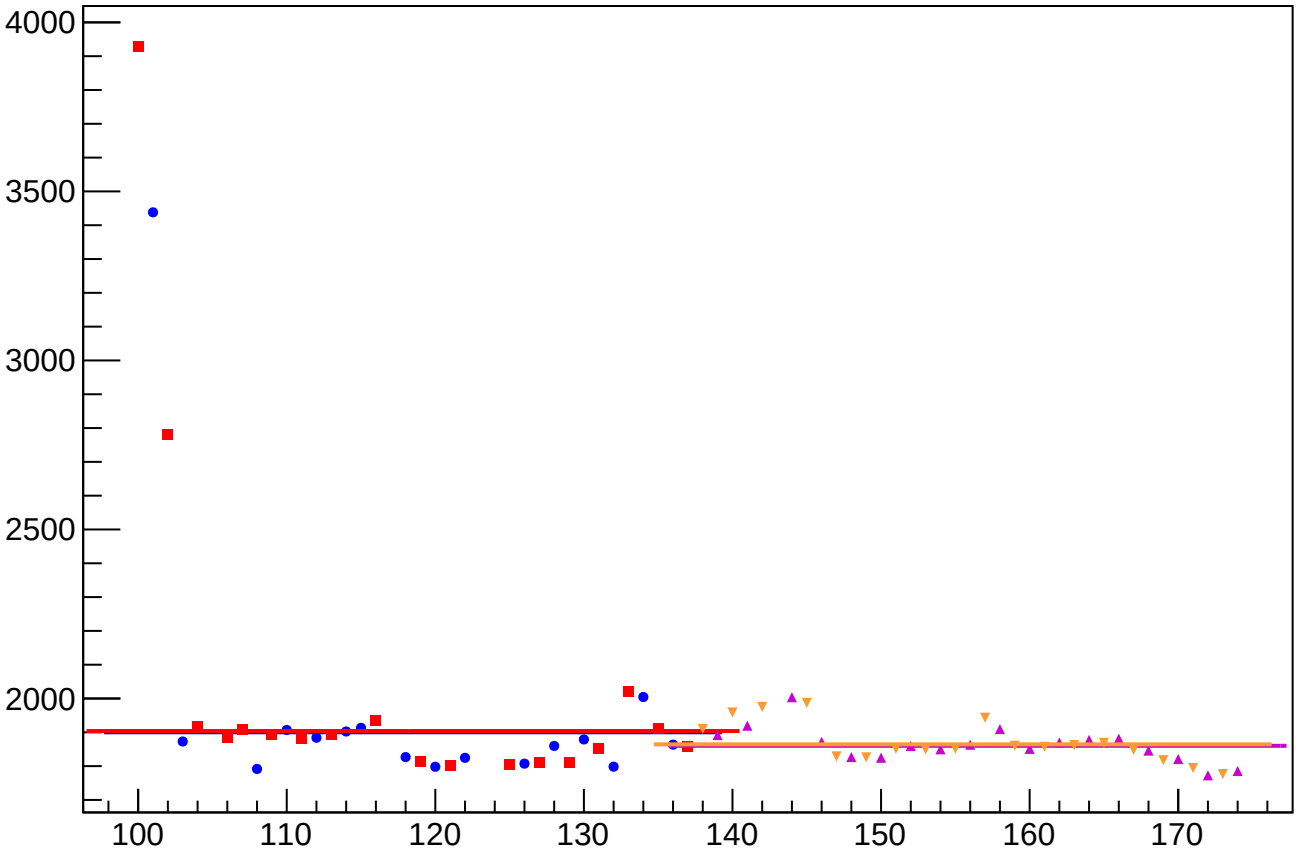
Left: 3888.742+/-345.399 χ^2/NDF: 52.0/35

Right: 4501.780+/-506.663 χ^2/NDF: 26.0/33

In: 4820.431+/-399.740 χ^2/NDF:36.1/33

Out: 3316.845+/-407.586 χ^2/NDF:36.1/35

All: 4083.248+/-285.392 χ^2/NDF: 79.1/69


dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
3500
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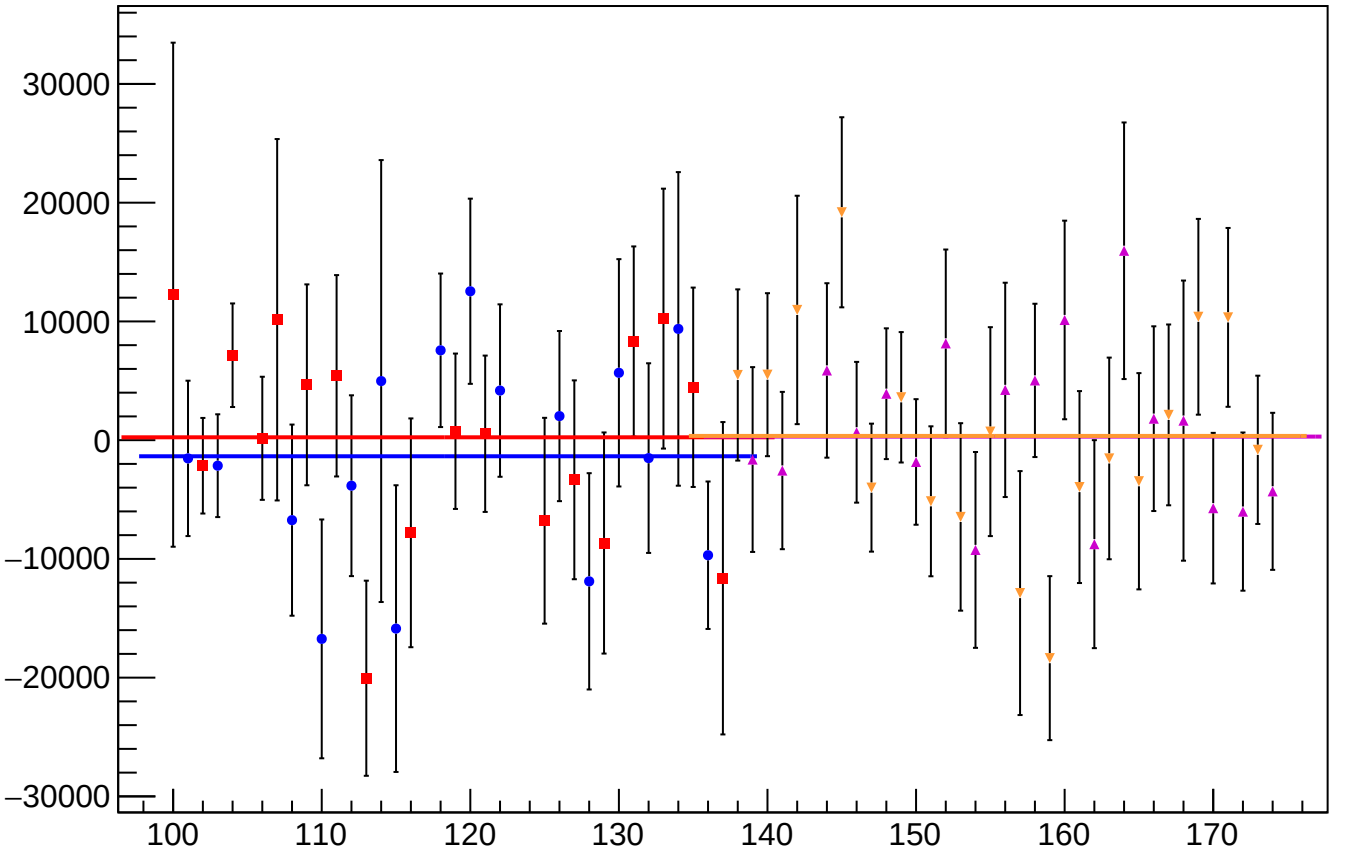
130
140
150
160
170
Right In: 1900.111+/-0.505 χ²/NDF: 278448.2/15
Left Out: 1864.396+/-0.350 χ²/NDF:25663.0/17
Right Out: 1903.827+/-0.508 χ²/NDF: 150115.8/17
Left In: 1860.137+/-0.341 χ²/NDF:22063.3/17
Left: 1862.213+/-0.244 χ²/NDF: 47802.3/35
Right: 1901.958+/-0.358 χ²/NDF: 428591.0/33
In: 1872.665+/-0.283 χ²/NDF:304815.2/33
Out: 1877.085+/-0.288 χ²/NDF:179866.9/35
All: 1874.833+/-0.202 χ²/NDF: 484802.0/69



Right In: -1356.615+/-1895.990 χ^2/NDF: 14.7/15

Left Out: 356.846+/-1726.617 χ^2/NDF:23.2/17

Right Out: 241.153+/-1712.681 χ^2/NDF: 15.7/17

Left In: 299.889+/-1685.693 χ^2/NDF:11.4/17

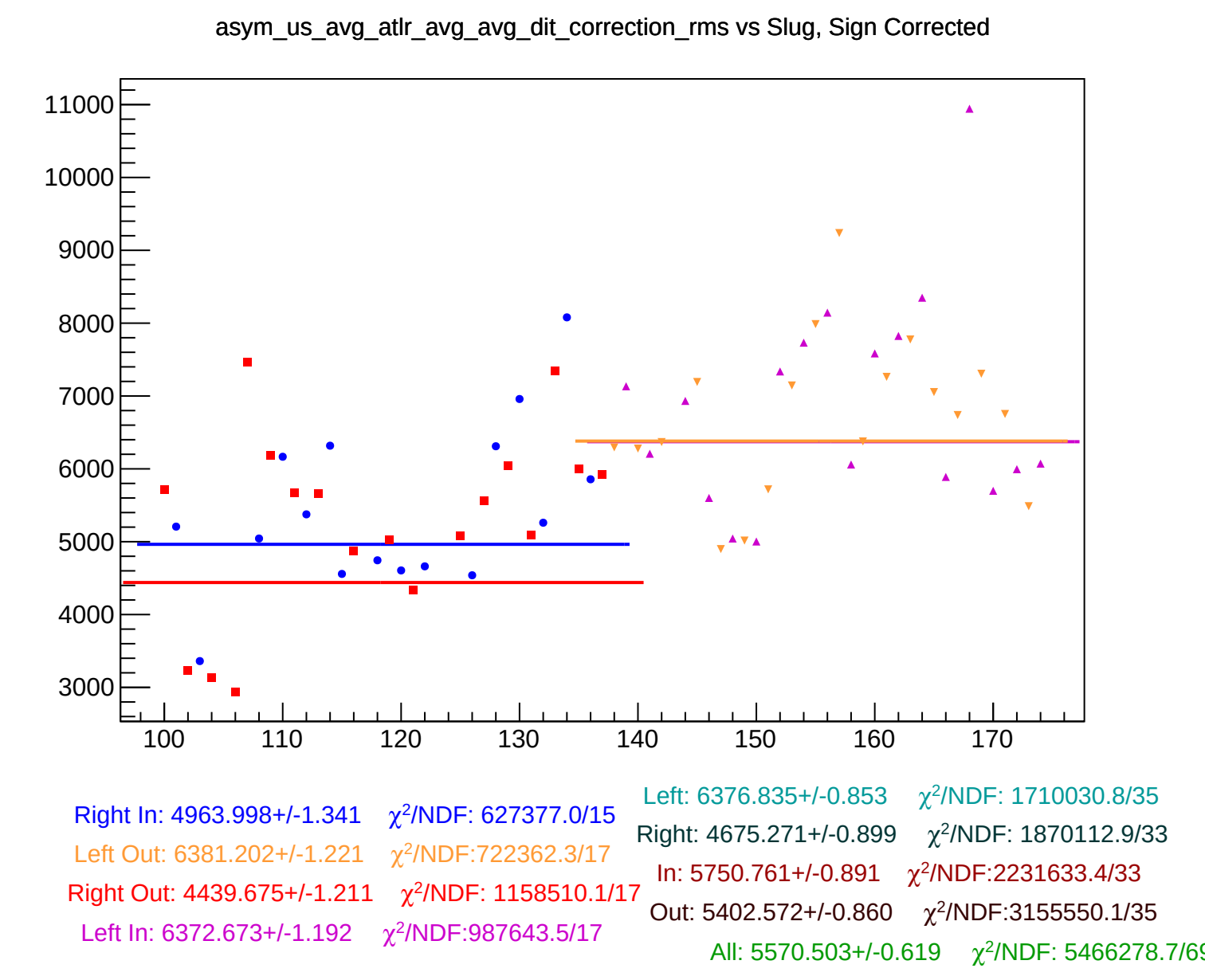
Left: 327.685+/-1206.173 χ^2/NDF: 34.5/35

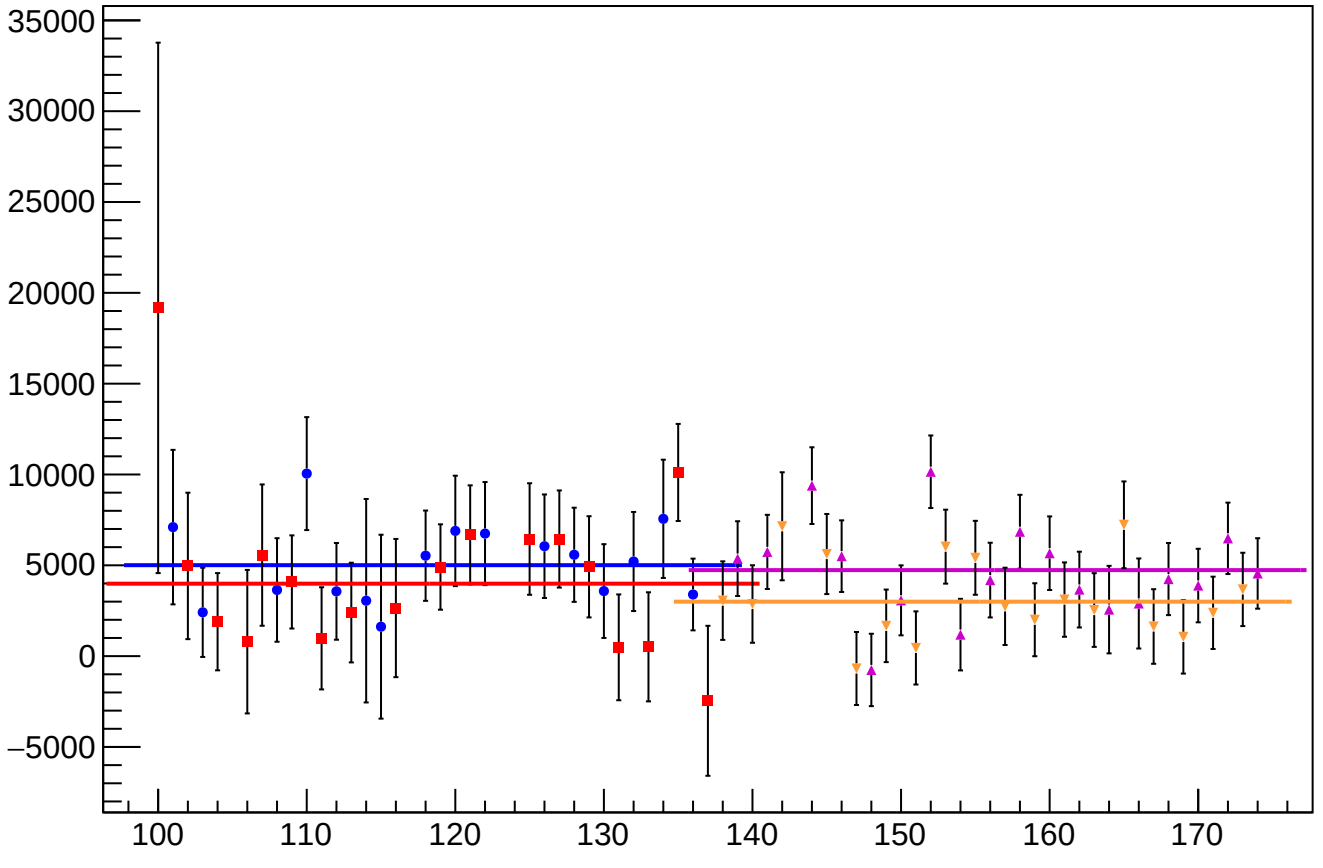
Right: -476.778+/-1270.927 χ^2/NDF: 30.8/33

In: -431.436+/-1259.781 χ^2/NDF:26.5/33

Out: 298.531+/-1215.945 χ^2/NDF:38.9/35

All: -53.532+/-874.890 χ^2/NDF: 65.6/69


asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected
11000
10000
9000
8000
7000
6000
5000
4000
3000
100
110
120
130
140
150
160
170
Right In: 4963.998+/-1.341 χ²/NDF: 627377.0/15
Left Out: 6381.202+/-1.221 χ²/NDF:722362.3/17
Right Out: 4439.675+/-1.211 χ²/NDF: 1158510.1/17
Left In: 6372.673+/-1.192 χ²/NDF:987643.5/17
Left: 6376.835+/-0.853 χ²/NDF: 1710030.8/35
Right: 4675.271+/-0.899 χ²/NDF: 1870112.9/33
In: 5750.761+/-0.891 χ²/NDF:2231633.4/33
Out: 5402.572+/-0.860 χ²/NDF:3155550.1/35
All: 5570.503+/-0.619 χ²/NDF: 5466278.7/69



Right In: 5007.314+/-714.061 χ^2/NDF: 7.7/15

Left Out: 2998.503+/-494.754 χ^2/NDF:17.4/17

Right Out: 3989.192+/-719.024 χ^2/NDF: 17.4/17

Left In: 4735.134+/-482.417 χ^2/NDF:28.3/17

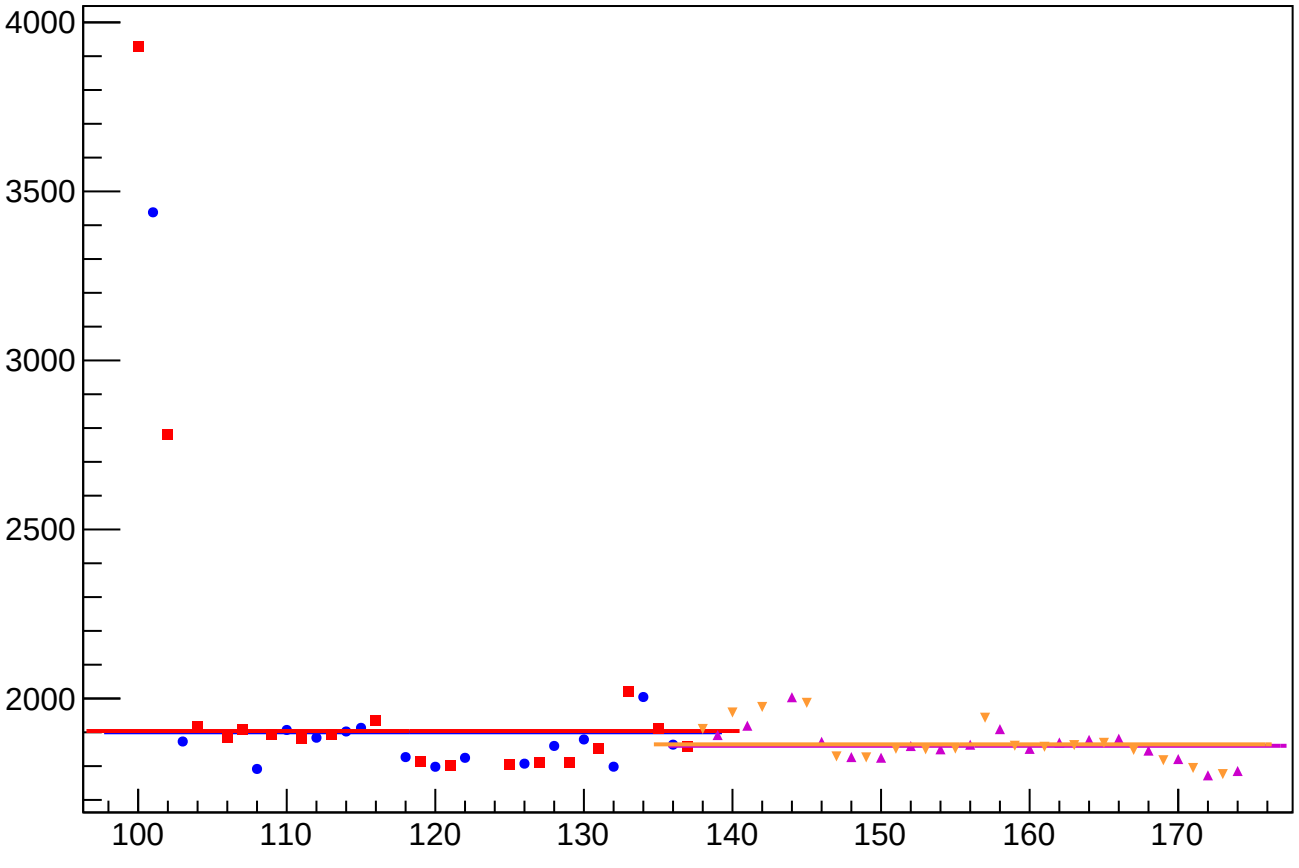
Left: 3888.740+/-345.400 χ^2/NDF: 52.0/35

Right: 4501.779+/-506.663 χ^2/NDF: 26.0/33

In: 4820.432+/-399.740 χ^2/NDF:36.1/33

Out: 3316.841+/-407.586 χ^2/NDF:36.1/35

All: 4083.247+/-285.392 χ^2/NDF: 79.1/69


eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug, Sign Corrected
4000
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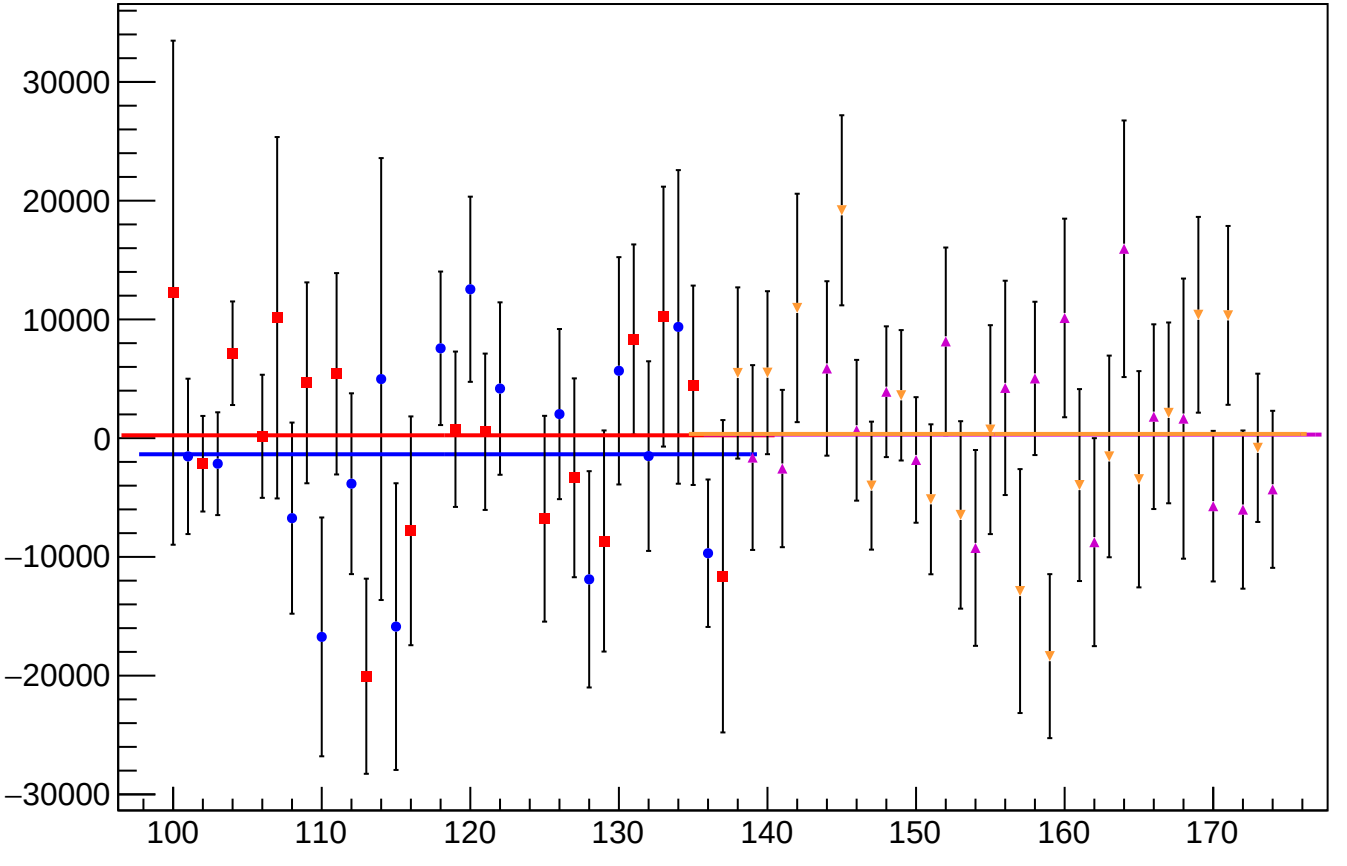
Right In: 1900.111+/-0.505 χ²/NDF: 278448.5/15
Left Out: 1864.397+/-0.350 χ²/NDF:25663.8/17
Right Out: 1903.826+/-0.508 χ²/NDF: 150115.1/17
Left In: 1860.138+/-0.341 χ²/NDF:22064.0/17
Left: 1862.214+/-0.244 χ²/NDF: 47803.7/35
Right: 1901.958+/-0.358 χ²/NDF: 428590.5/33
In: 1872.665+/-0.283 χ²/NDF:304815.7/33
Out: 1877.085+/-0.288 χ²/NDF:179866.6/35
All: 1874.833+/-0.202 χ²/NDF: 484802.3/69

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1356.604+/-1895.985 χ^2/NDF: 14.7/15

Left Out: 356.840+/-1726.619 χ^2/NDF:23.2/17

Right Out: 241.155+/-1712.677 χ^2/NDF: 15.7/17

Left In: 299.889+/-1685.696 χ^2/NDF:11.4/17

Left: 327.682+/-1206.175 χ^2/NDF: 34.5/35

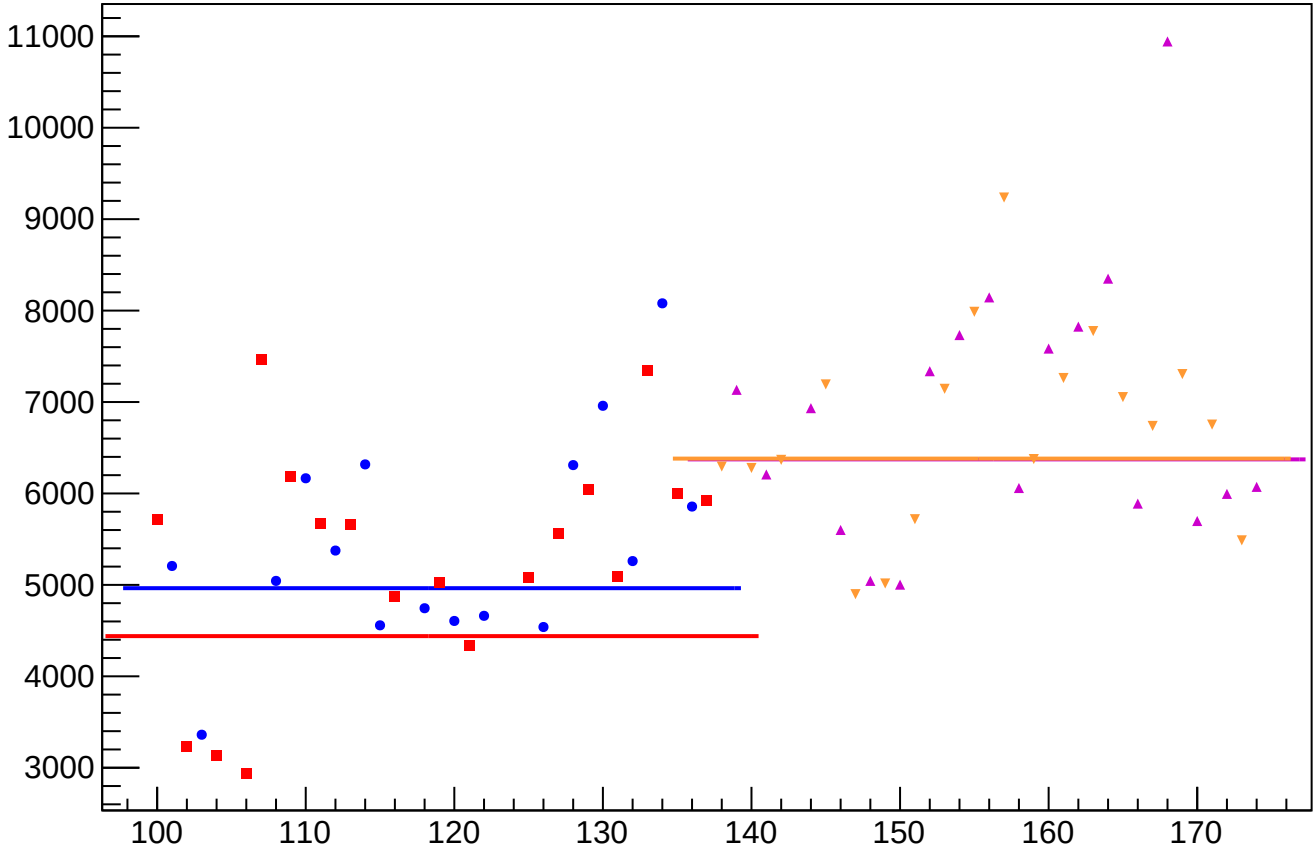
Right: -476.773+/-1270.924 χ^2/NDF: 30.8/33

In: -431.435+/-1259.781 χ^2/NDF:26.5/33

Out: 298.528+/-1215.945 χ^2/NDF:38.9/35

All: -53.532+/-874.890 χ^2/NDF: 65.6/69

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4963.985+/-1.341 χ^2/NDF: 627379.5/15

Left Out: 6381.212+/-1.221 χ^2/NDF:722363.8/17

Right Out: 4439.663+/-1.211 χ^2/NDF: 1158509.7/17

Left In: 6372.683+/-1.192 χ^2/NDF:987645.1/17

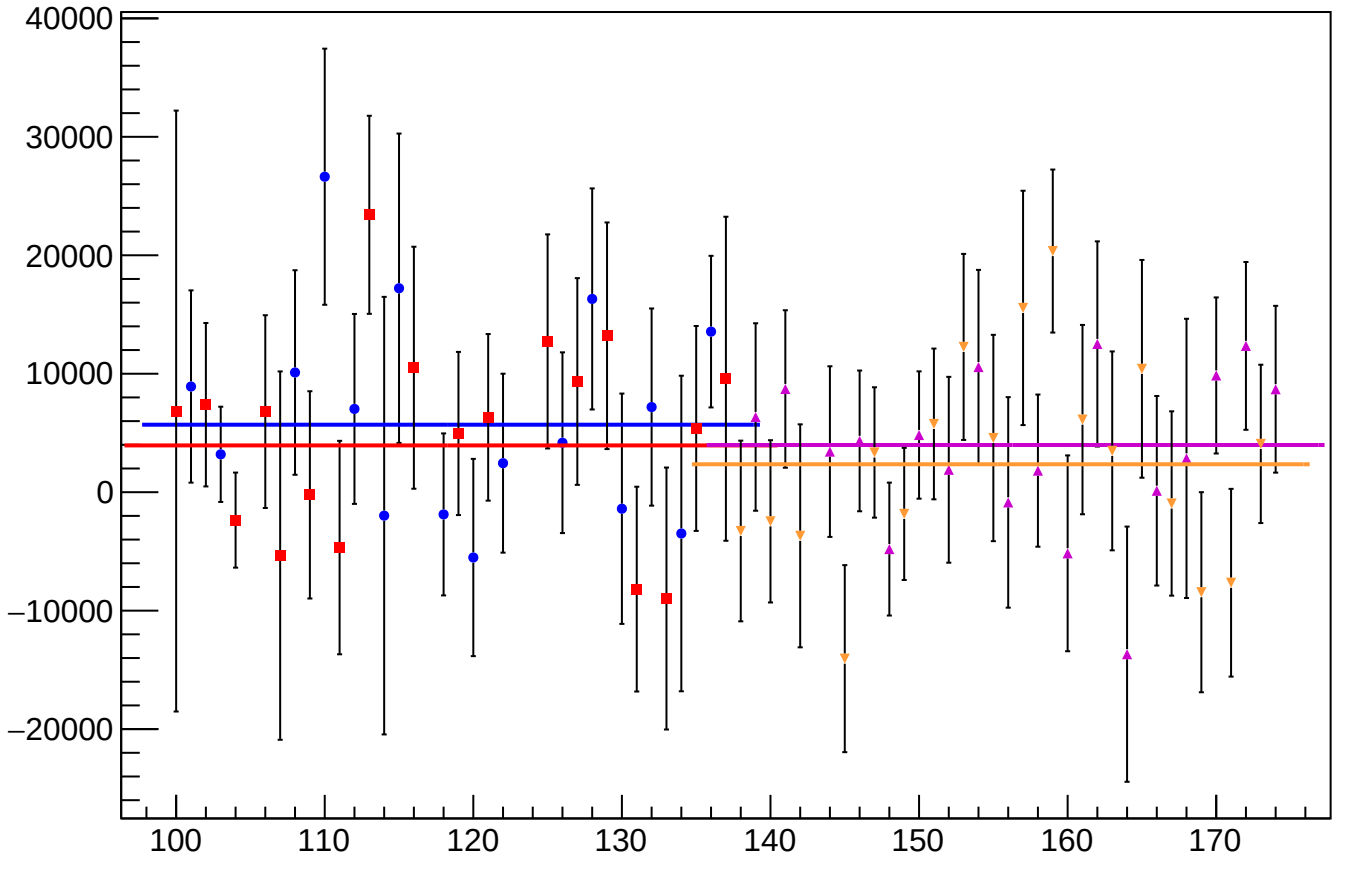
Left: 6376.845+/-0.853 χ^2/NDF: 1710033.8/35

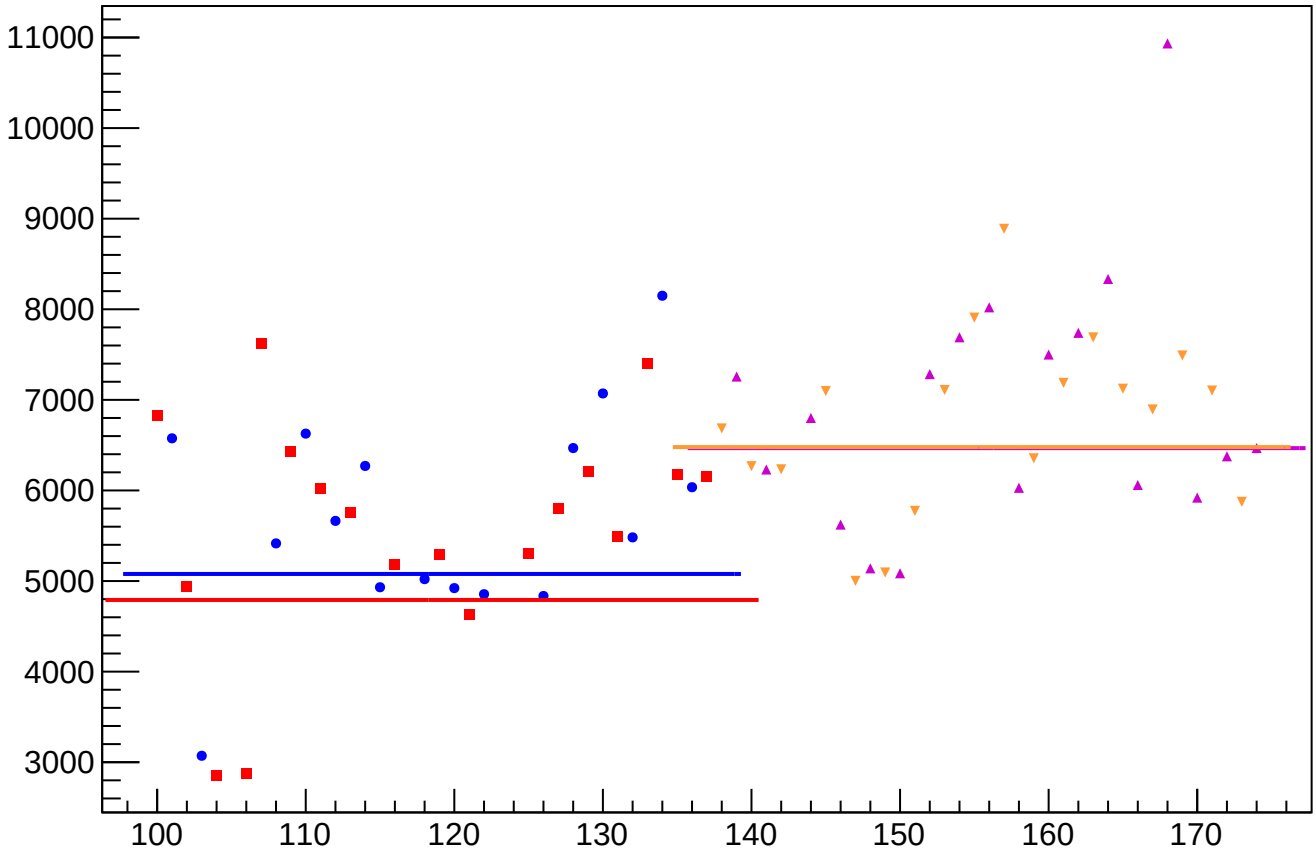
Right: 4675.259+/-0.899 χ^2/NDF: 1870114.9/33

In: 5750.758+/-0.891 χ^2/NDF:2231658.5/33

Out: 5402.567+/-0.860 χ^2/NDF:3155580.8/35

All: 5570.499+/-0.619 χ^2/NDF: 5466335.3/69


asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 5697.218+/-1959.214 χ²/NDF: 12.6/15
Left Out: 2356.813+/-1748.780 χ²/NDF:21.4/17
Right Out: 3949.394+/-1920.582 χ²/NDF: 16.1/17
Left In: 3984.335+/-1707.009 χ²/NDF:12.0/17
Left: 3190.243+/-1221.538 χ²/NDF: 33.8/35
Right: 4805.905+/-1371.511 χ²/NDF: 29.2/33
In: 4723.500+/-1287.030 χ²/NDF:25.0/33
Out: 3078.700+/-1293.055 χ²/NDF:37.9/35
All: 3904.941+/-912.190 χ²/NDF: 63.8/69



Right In: 5078.157+/-1.385 χ^2/NDF: 919209.4/15

Left Out: 6478.663+/-1.237 χ^2/NDF:625024.9/17

Right Out: 4791.154+/-1.331 χ^2/NDF: 1162455.3/17

Left In: 6467.056+/-1.207 χ^2/NDF:888898.7/17

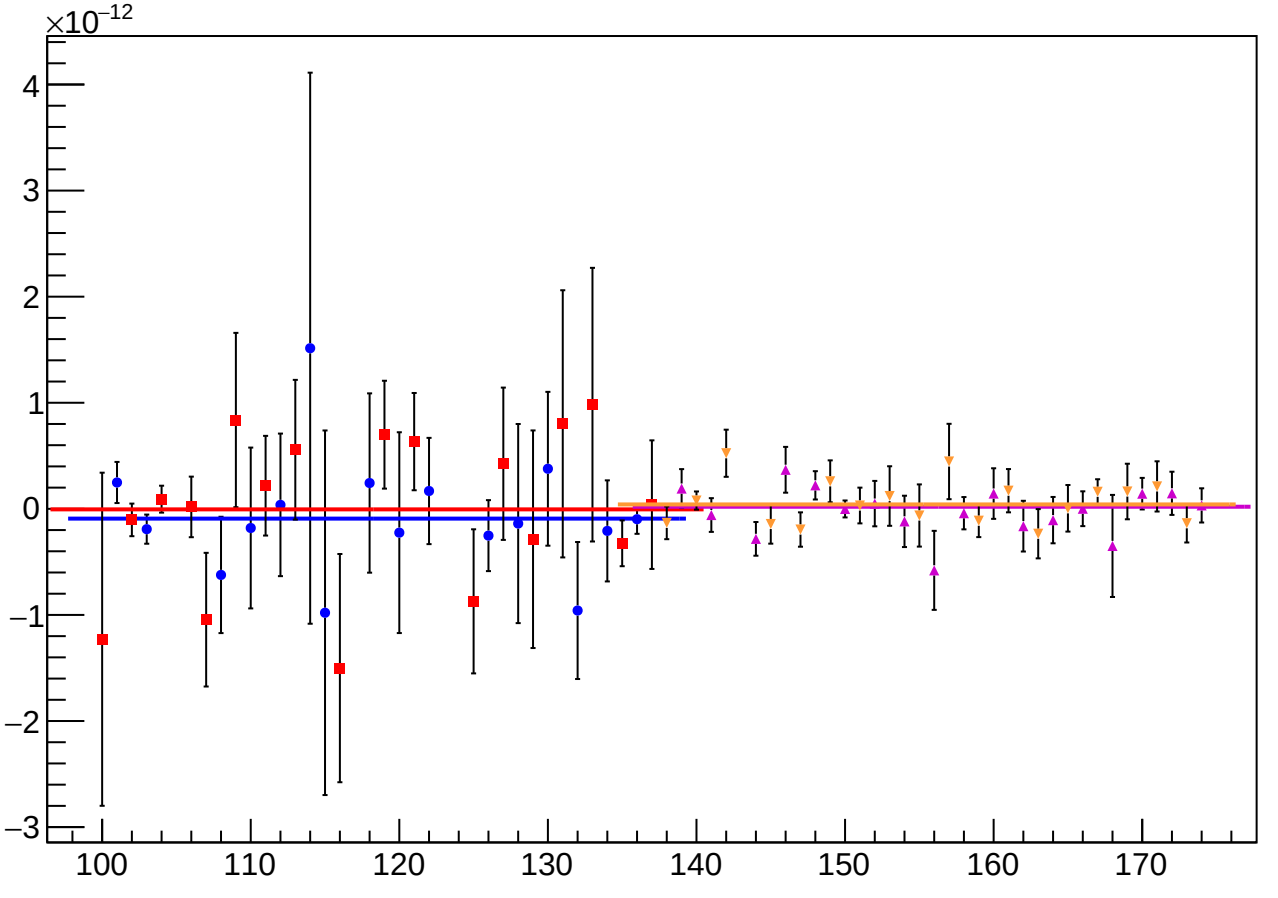
Left: 6472.719+/-0.864 χ^2/NDF: 1513968.7/35

Right: 4928.883+/-0.960 χ^2/NDF: 2103987.6/33

In: 5867.690+/-0.910 χ^2/NDF:2379483.8/33

Out: 5696.699+/-0.906 χ^2/NDF:2650443.9/35

All: 5781.797+/-0.642 χ^2/NDF: 5047660.9/69



Right In: -0.000+/-0.000 χ^2/NDF: 8.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:15.7/17

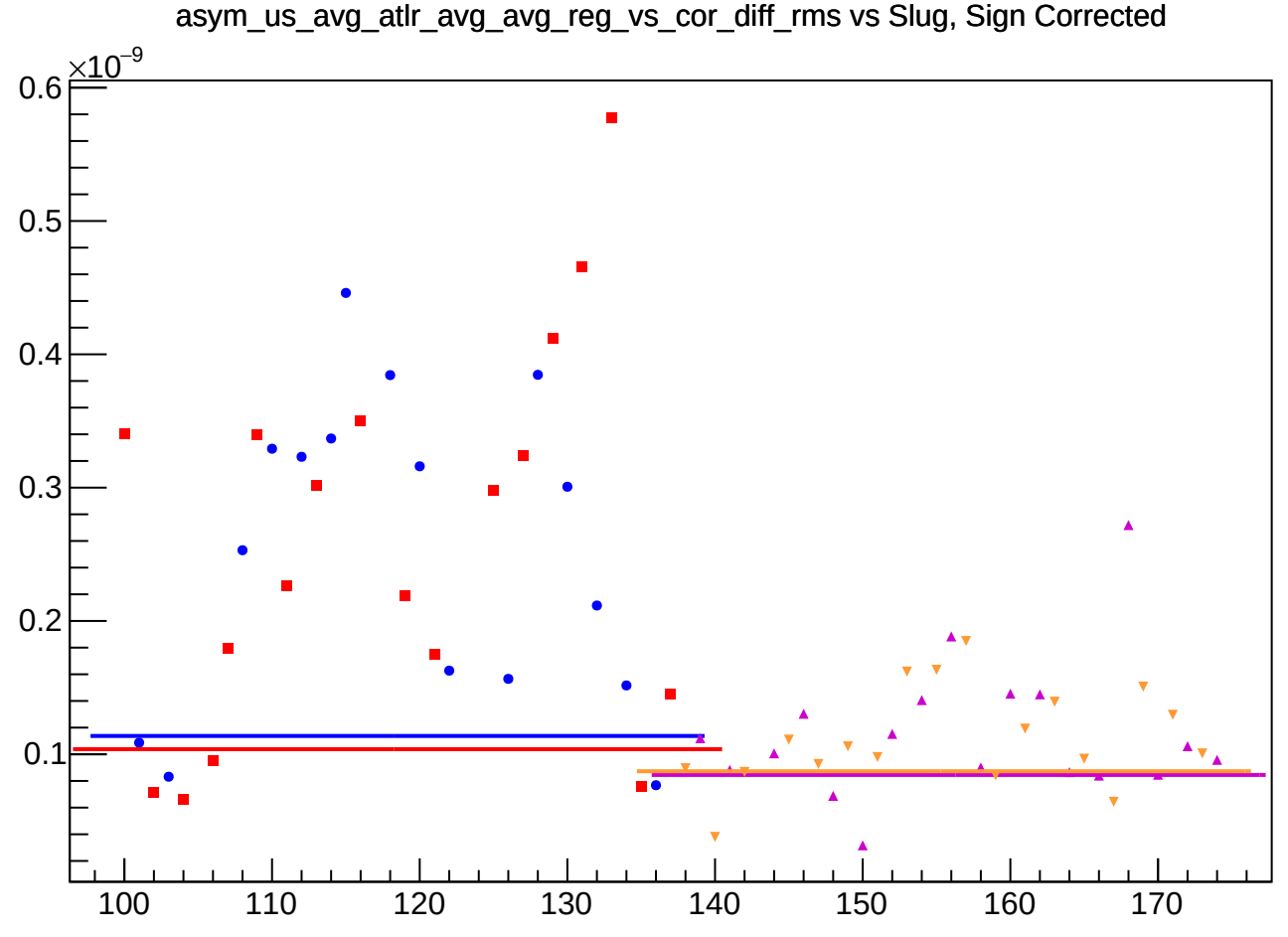
Left: 0.000+/-0.000 χ^2/NDF: 33.4/35

Right: -0.000+/-0.000 χ^2/NDF: 26.2/33

In: -0.000+/-0.000 χ^2/NDF:25.5/33

Out: 0.000+/-0.000 χ^2/NDF:35.2/35

All: 0.000+/-0.000 χ^2/NDF: 61.2/69



Right In: 0.000+/-0.000 χ^2/NDF: 1524807.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1570301.4/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2087534.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1961294.0/17

Left: 0.000+/-0.000 χ^2/NDF: 3536349.5/35

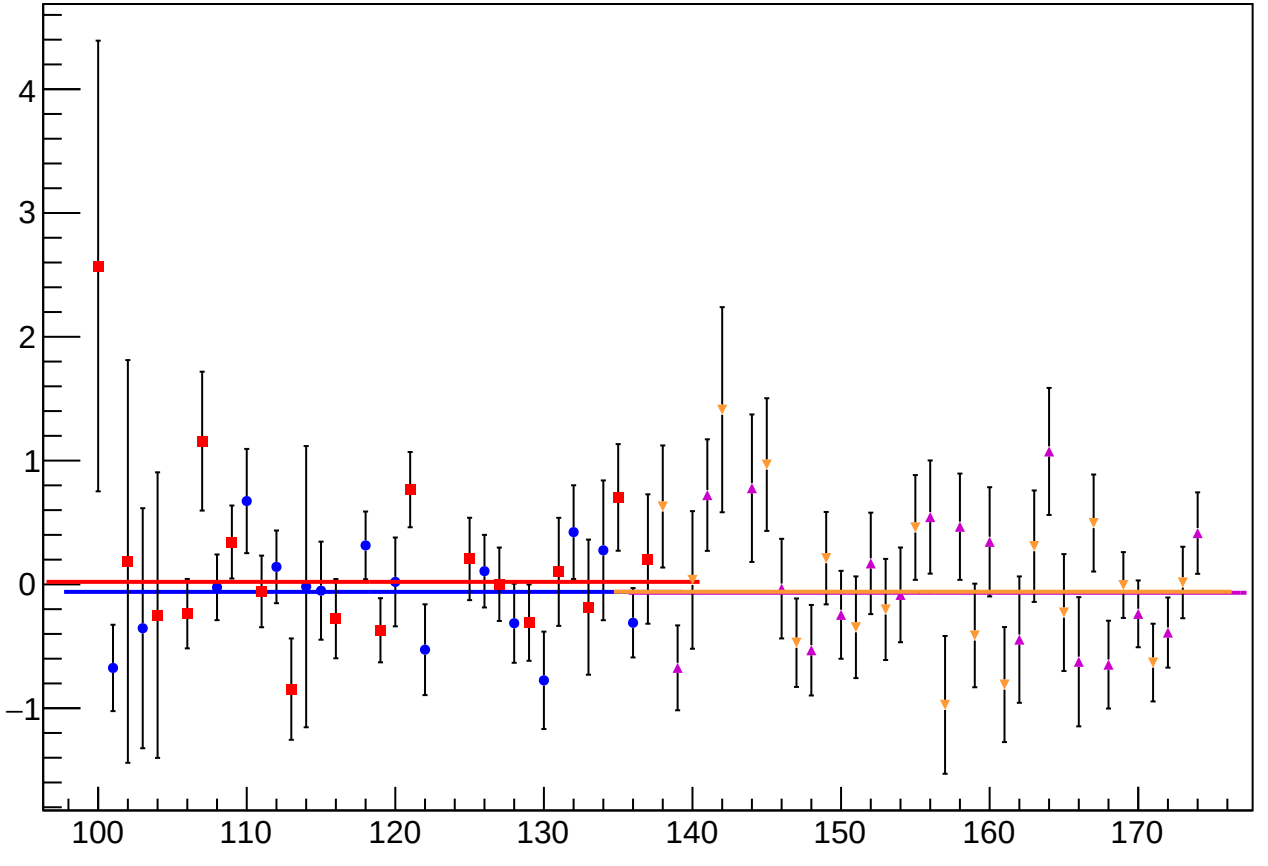
Right: 0.000+/-0.000 χ^2/NDF: 3628704.5/33

In: 0.000+/-0.000 χ^2/NDF:3710631.5/33

Out: 0.000+/-0.000 χ^2/NDF:3729833.1/35

All: 0.000+/-0.000 χ^2/NDF: 7440584.3/69

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.059+/-0.095 χ^2/NDF:25.0/17

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.064+/-0.066 χ^2/NDF: 52.8/35

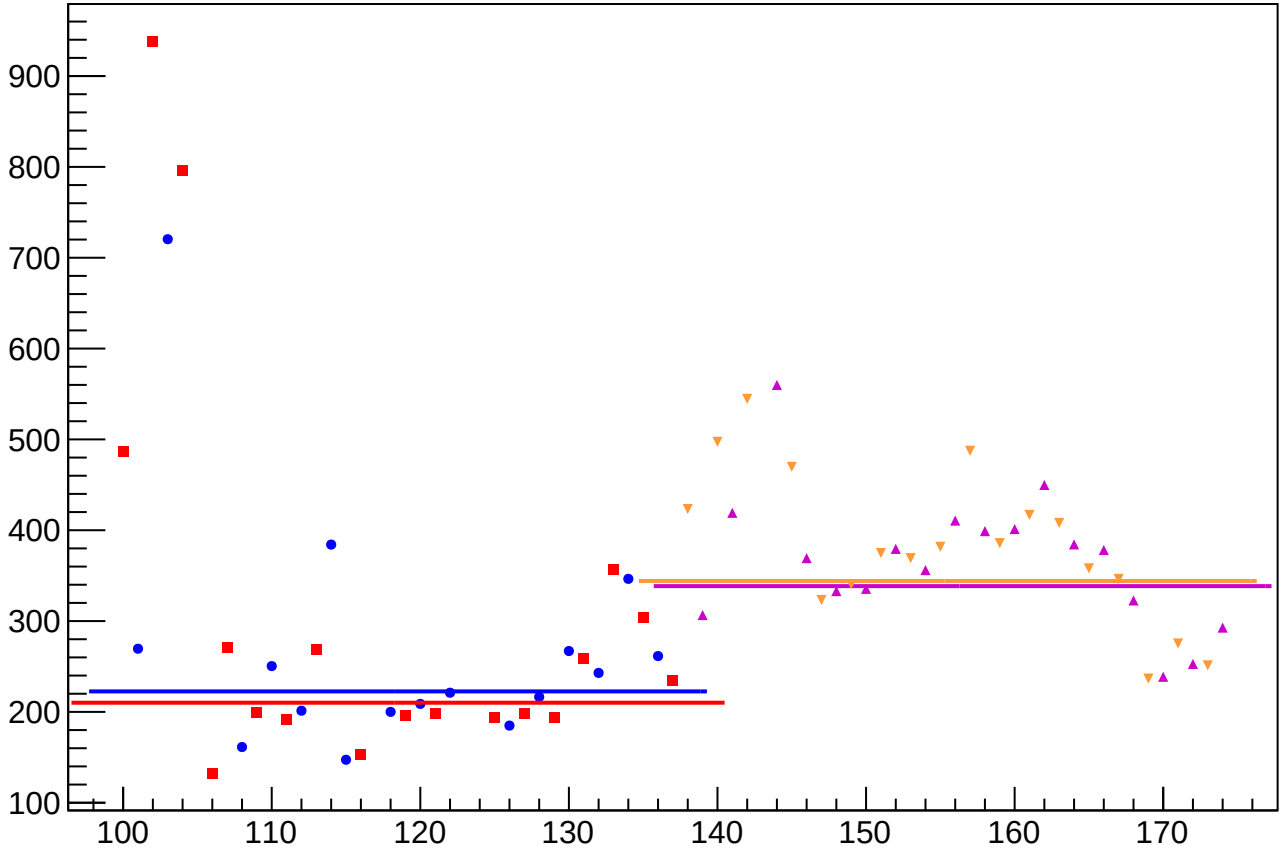
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.016+/-0.064 χ^2/NDF:51.5/35

All: -0.040+/-0.045 χ^2/NDF: 96.9/69

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 344.133+/-0.067 χ^2/NDF:1345680.6/17

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

Left: 341.175+/-0.046 χ^2/NDF: 2495811.1/35

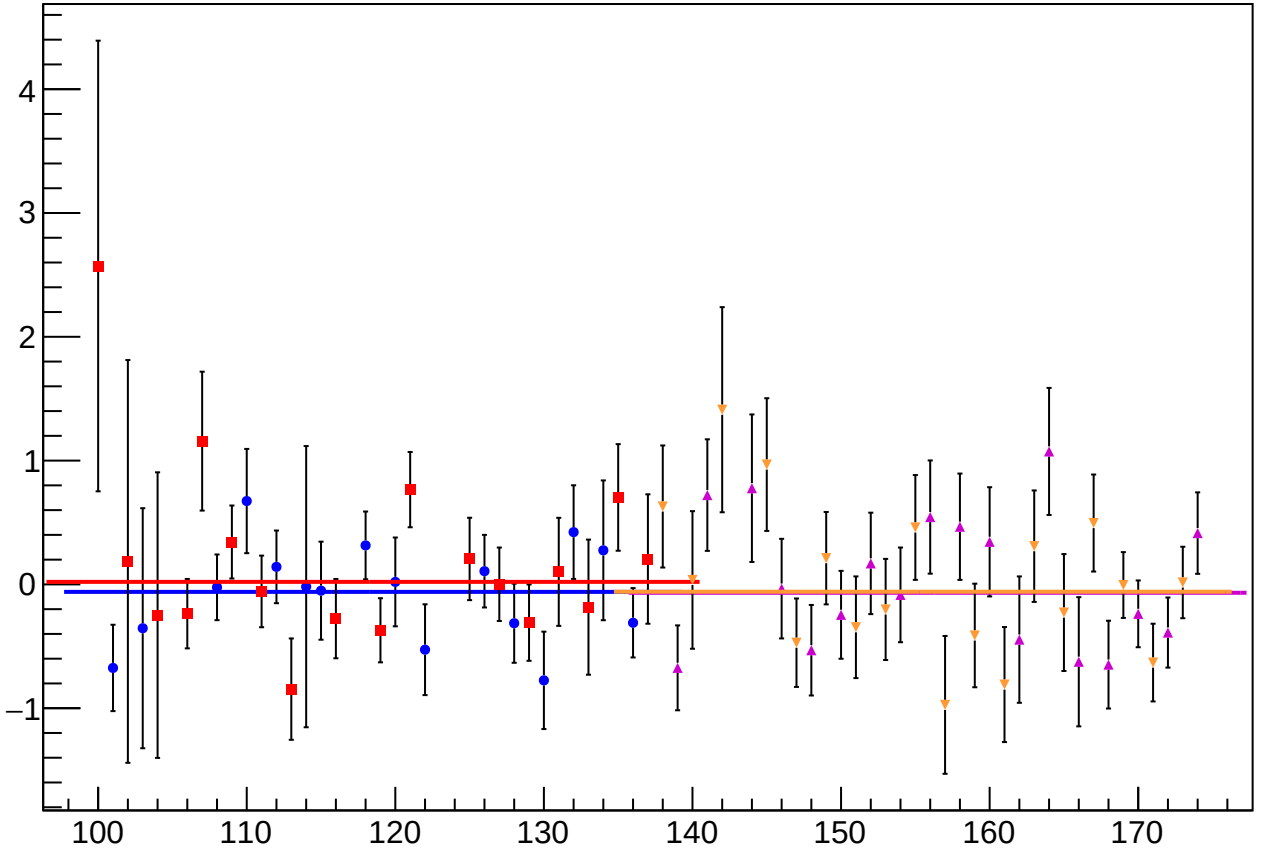
Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.991+/-0.045 χ^2/NDF:3829054.8/33

Out: 271.524+/-0.046 χ^2/NDF:5047114.4/35

All: 275.307+/-0.032 χ^2/NDF: 8889812.2/69

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.059+/-0.095 χ^2/NDF:25.0/17

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.064+/-0.066 χ^2/NDF: 52.8/35

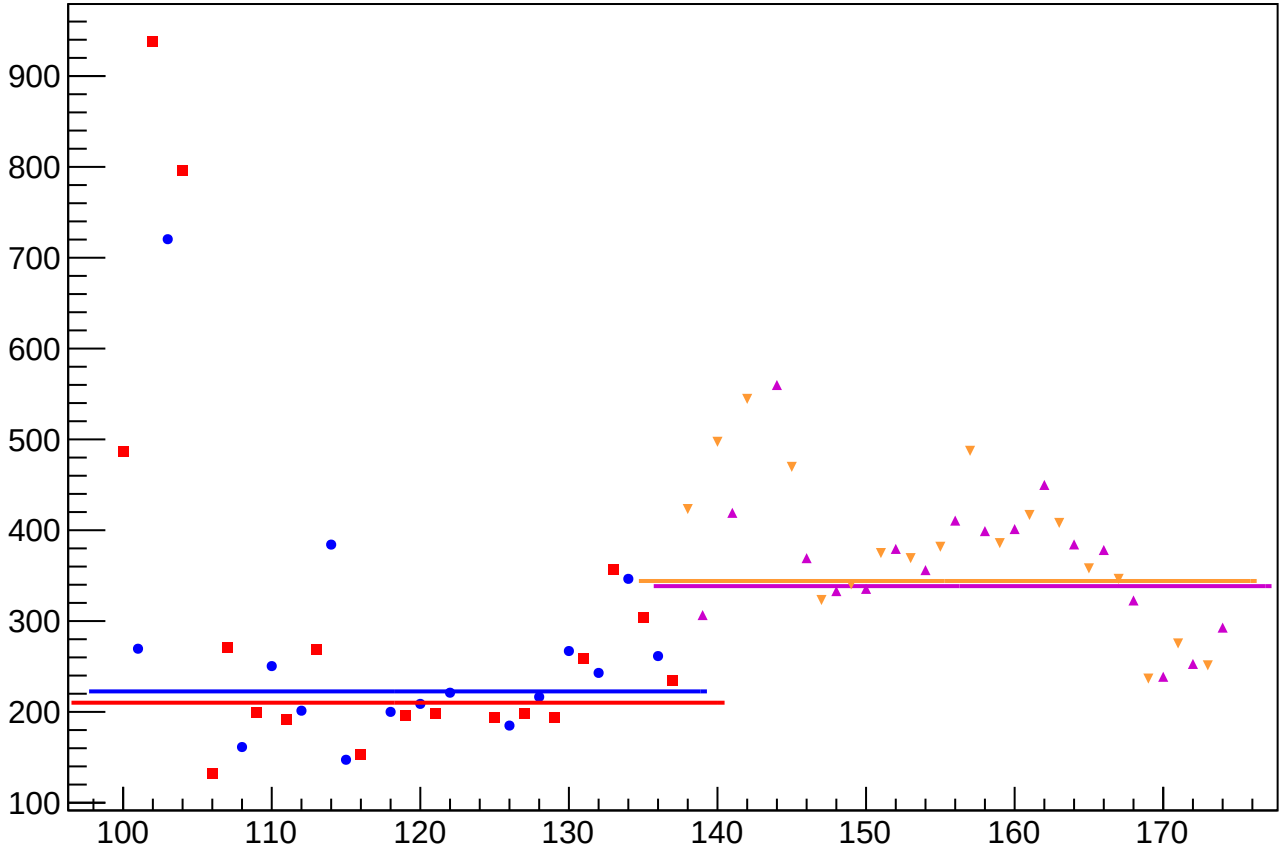
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.016+/-0.064 χ^2/NDF:51.5/35

All: -0.040+/-0.045 χ^2/NDF: 96.9/69

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.569+/-0.063 χ^2/NDF: 1018774.9/15

Left Out: 344.133+/-0.067 χ^2/NDF:1345680.6/17

Right Out: 210.123+/-0.062 χ^2/NDF: 1548526.4/17

Left In: 338.465+/-0.064 χ^2/NDF:1146421.8/17

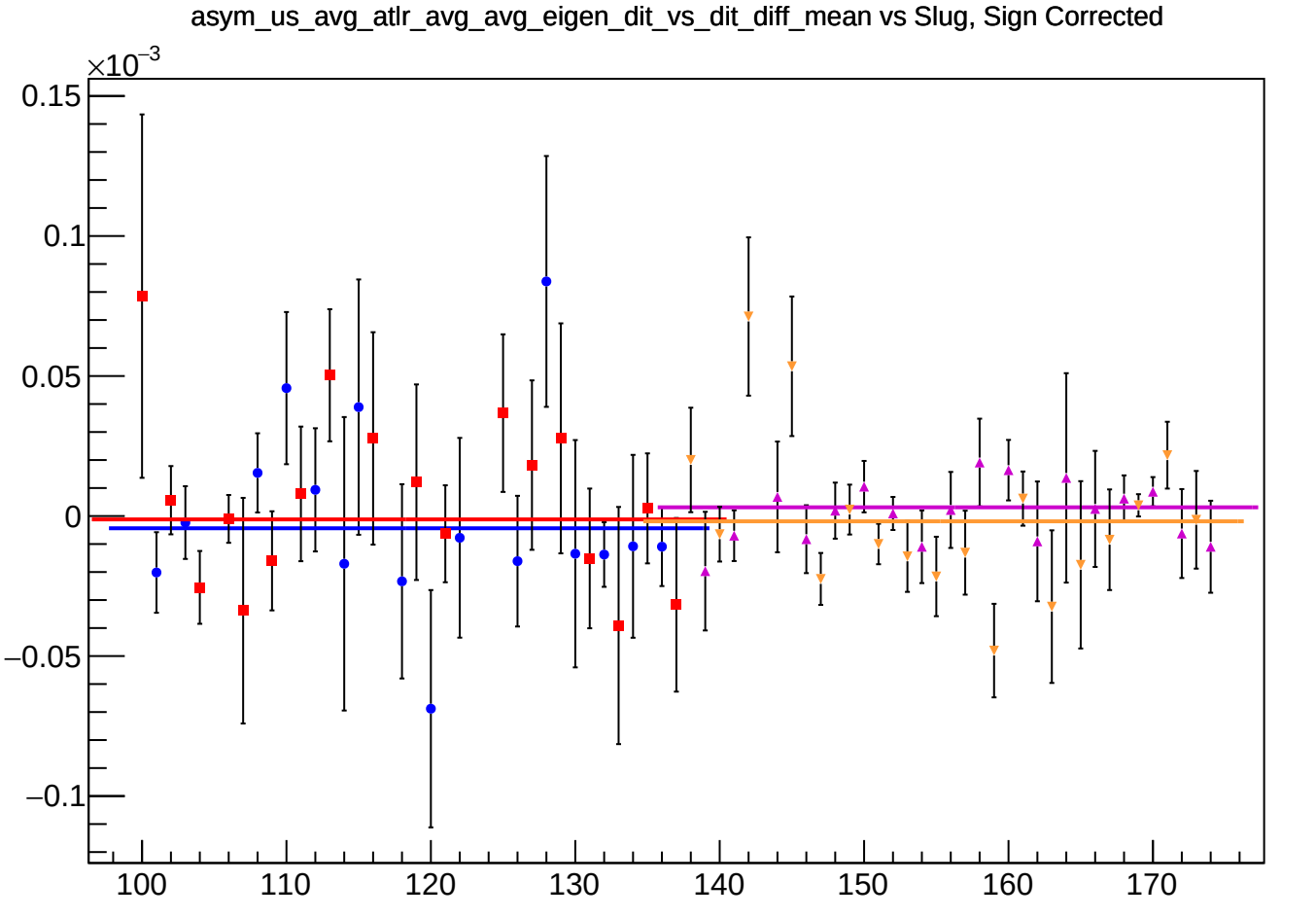
Left: 341.175+/-0.046 χ^2/NDF: 2495811.1/35

Right: 216.259+/-0.044 χ^2/NDF: 2587282.3/33

In: 278.991+/-0.045 χ^2/NDF:3829054.8/33

Out: 271.524+/-0.046 χ^2/NDF:5047114.4/35

All: 275.307+/-0.032 χ^2/NDF: 8889812.2/69



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.1/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.2/17

Left In: 0.000+/-0.000 χ^2/NDF:10.6/17

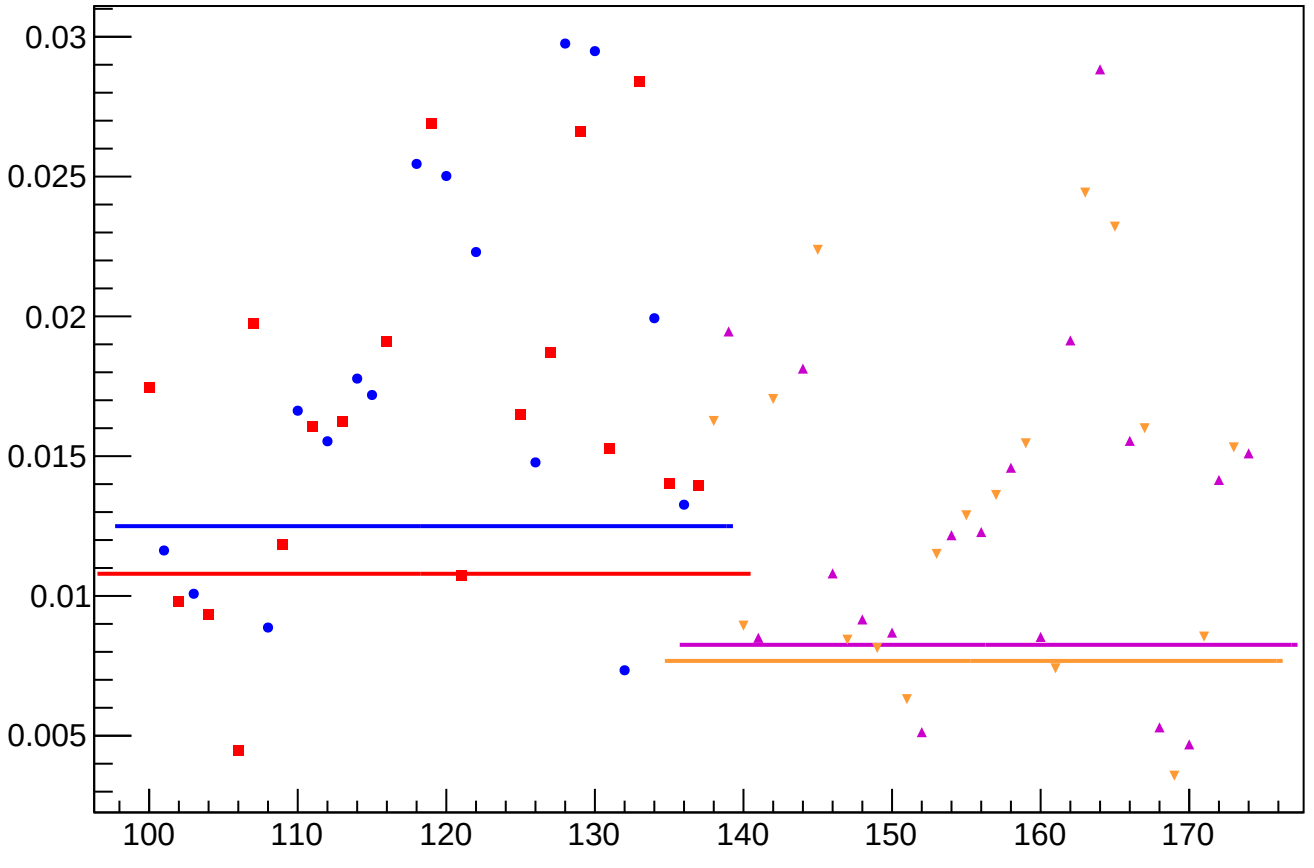
Left: 0.000+/-0.000 χ^2/NDF: 51.8/35

Right: -0.000+/-0.000 χ^2/NDF: 33.1/33

In: 0.000+/-0.000 χ^2/NDF:28.0/33

Out: -0.000+/-0.000 χ^2/NDF:56.3/35

All: -0.000+/-0.000 χ^2/NDF: 85.5/69



Right In: 0.012+/-0.000 χ^2/NDF: 2114968.1/15

Left Out: 0.008+/-0.000 χ^2/NDF:6916106.9/17

Right Out: 0.011+/-0.000 χ^2/NDF: 2987826.3/17

Left In: 0.008+/-0.000 χ^2/NDF:5596134.5/17

Left: 0.008+/-0.000 χ^2/NDF: 12566974.4/35

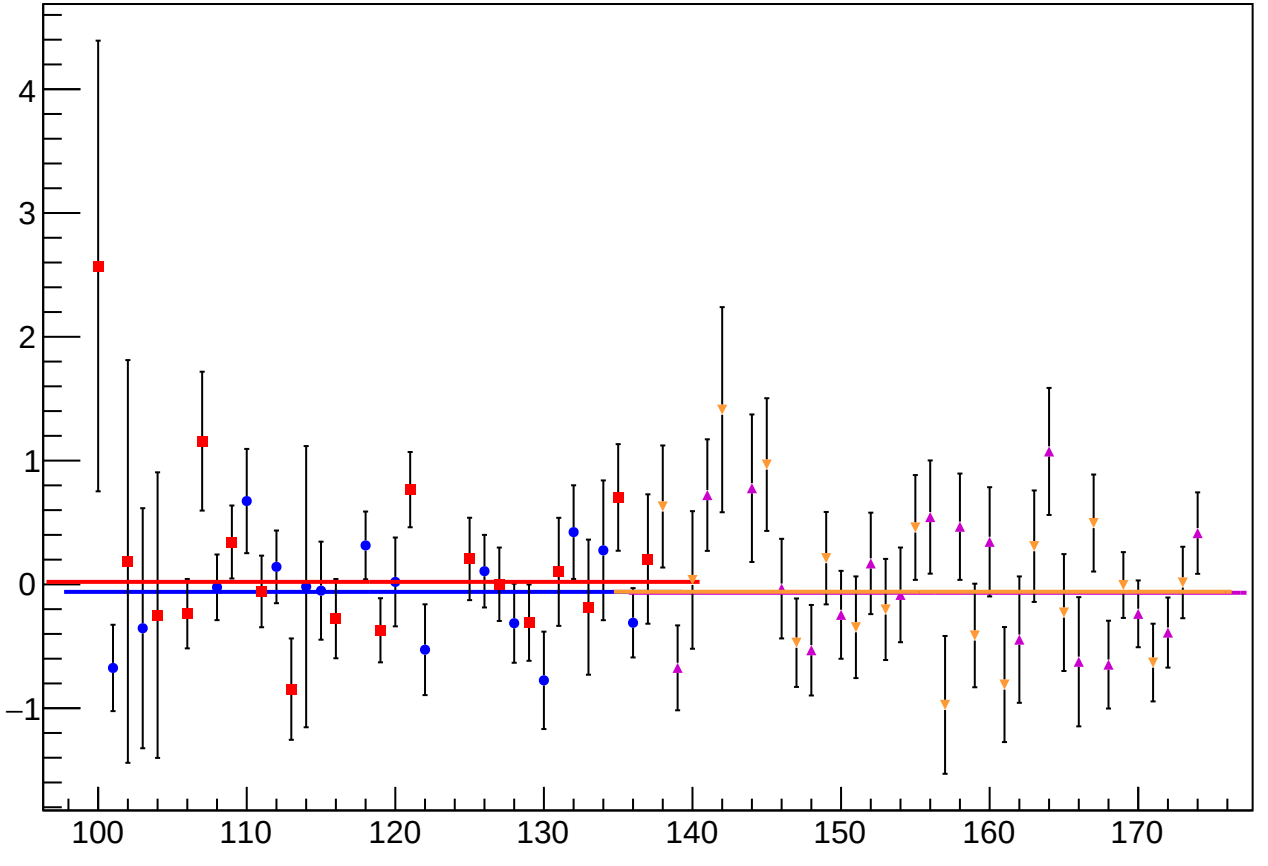
Right: 0.012+/-0.000 χ^2/NDF: 5226474.2/33

In: 0.009+/-0.000 χ^2/NDF:8836217.4/33

Out: 0.008+/-0.000 χ^2/NDF:10624397.3/35

All: 0.009+/-0.000 χ^2/NDF: 19564564.2/69

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.060+/-0.089 χ^2/NDF: 17.3/15

Left Out: -0.059+/-0.095 χ^2/NDF:25.0/17

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.064+/-0.066 χ^2/NDF: 52.8/35

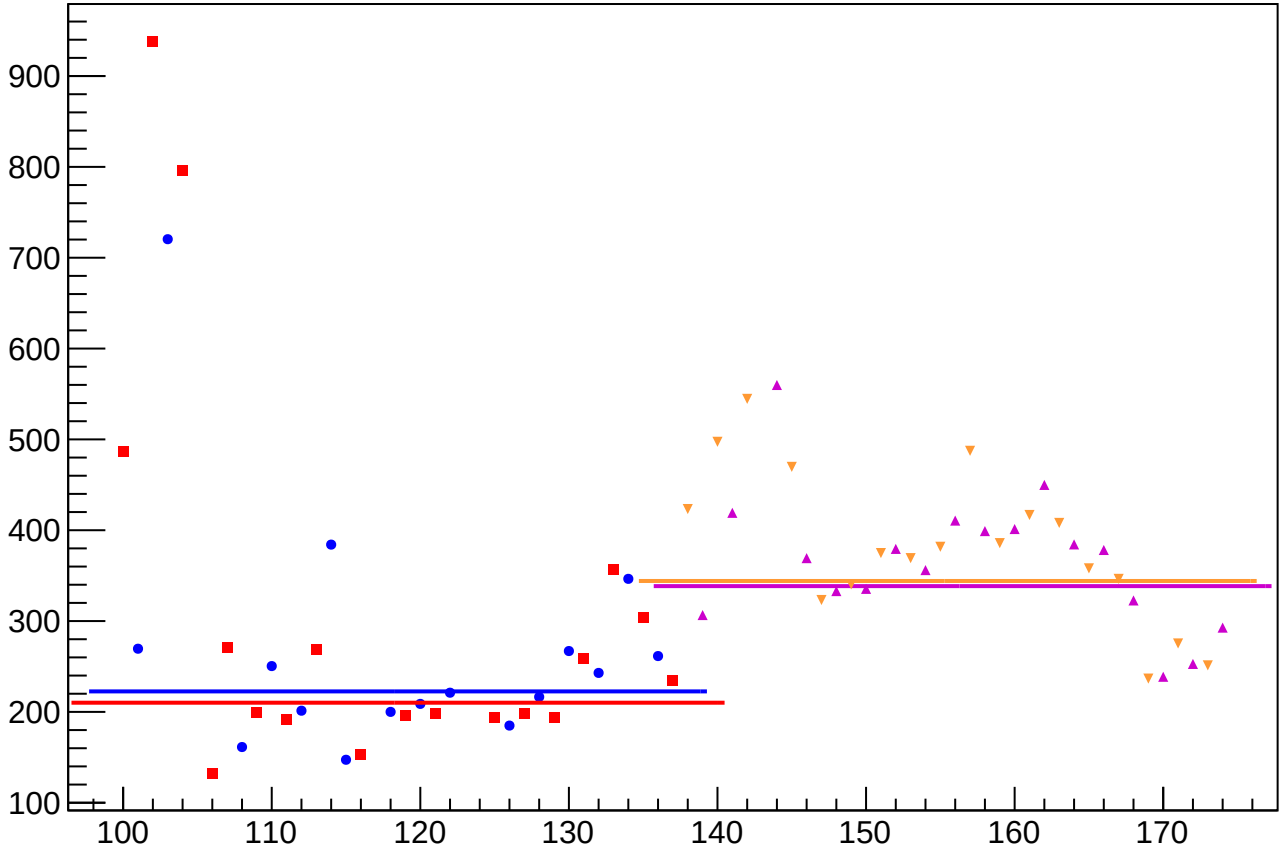
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.016+/-0.064 χ^2/NDF:51.5/35

All: -0.040+/-0.045 χ^2/NDF: 96.9/69

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 344.133+/-0.067 χ^2/NDF:1345850.6/17

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

Left: 341.176+/-0.046 χ^2/NDF: 2496103.9/35

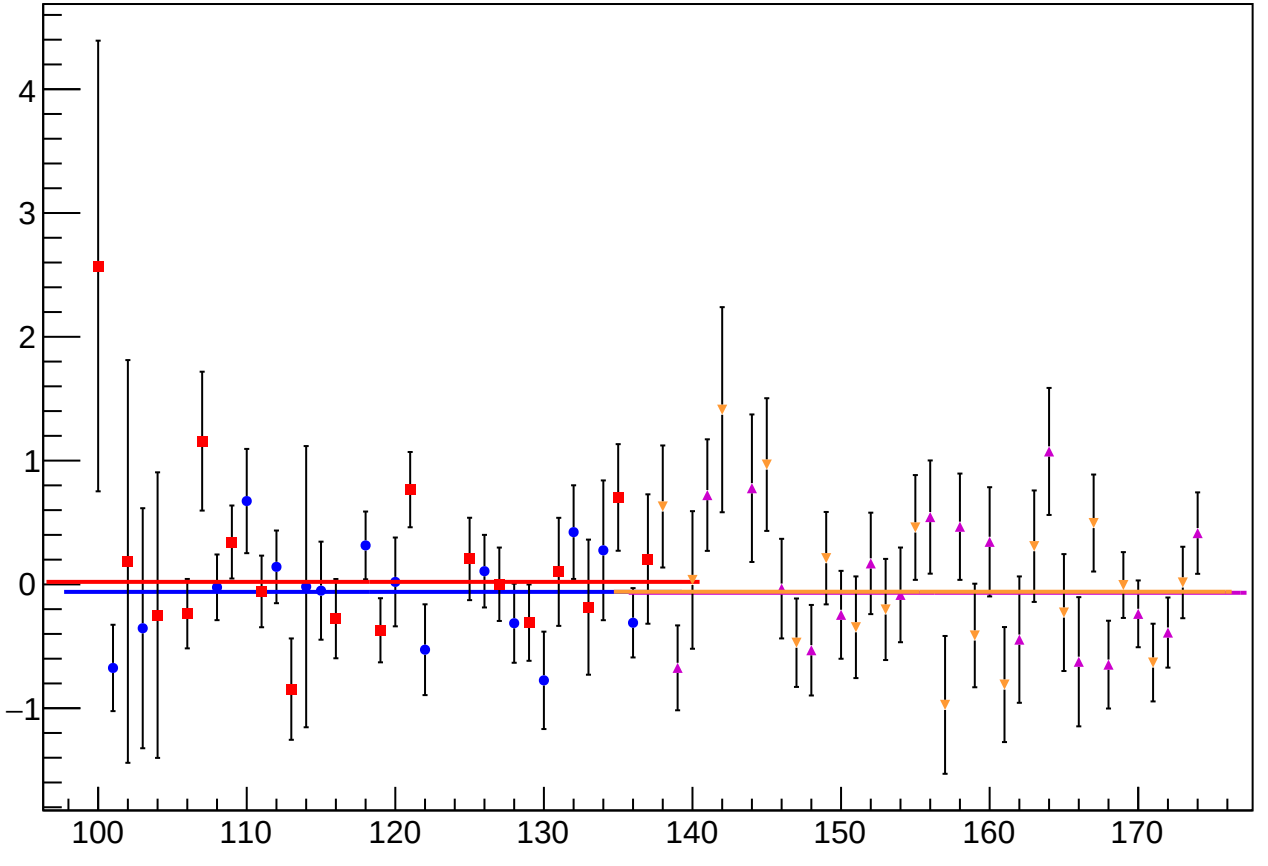
Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 278.990+/-0.045 χ^2/NDF:3829254.2/33

Out: 271.521+/-0.046 χ^2/NDF:5047368.0/35

All: 275.305+/-0.032 χ^2/NDF: 8890270.1/69

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: -0.059+/-0.095 χ^2/NDF:25.0/17

Right Out: 0.020+/-0.087 χ^2/NDF: 26.1/17

Left In: -0.068+/-0.091 χ^2/NDF:27.8/17

Left: -0.064+/-0.066 χ^2/NDF: 52.8/35

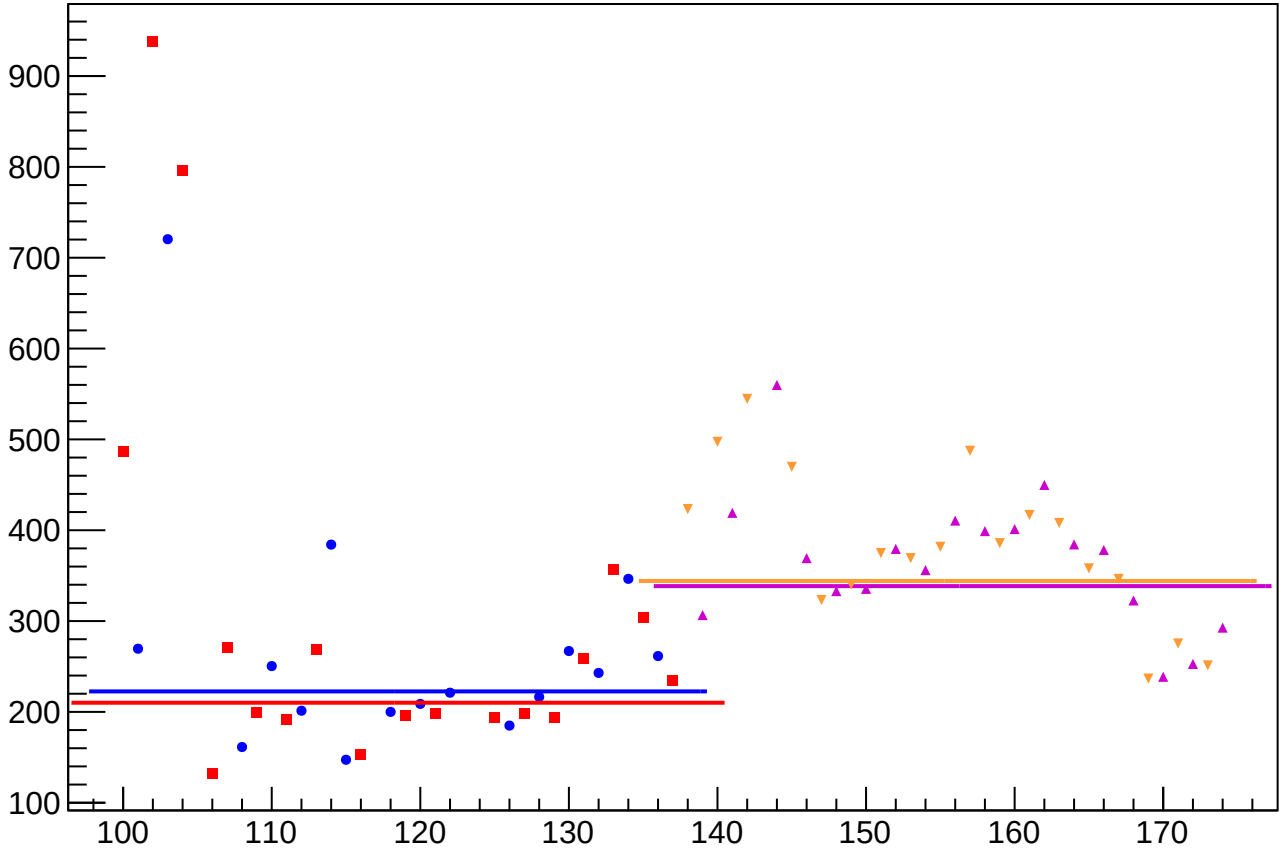
Right: -0.019+/-0.062 χ^2/NDF: 43.9/33

In: -0.064+/-0.064 χ^2/NDF:45.1/33

Out: -0.016+/-0.064 χ^2/NDF:51.5/35

All: -0.040+/-0.045 χ^2/NDF: 96.9/69

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 222.567+/-0.063 χ^2/NDF: 1018760.3/15

Left Out: 344.133+/-0.067 χ^2/NDF:1345850.6/17

Right Out: 210.120+/-0.062 χ^2/NDF: 1548507.5/17

Left In: 338.466+/-0.064 χ^2/NDF:1146546.3/17

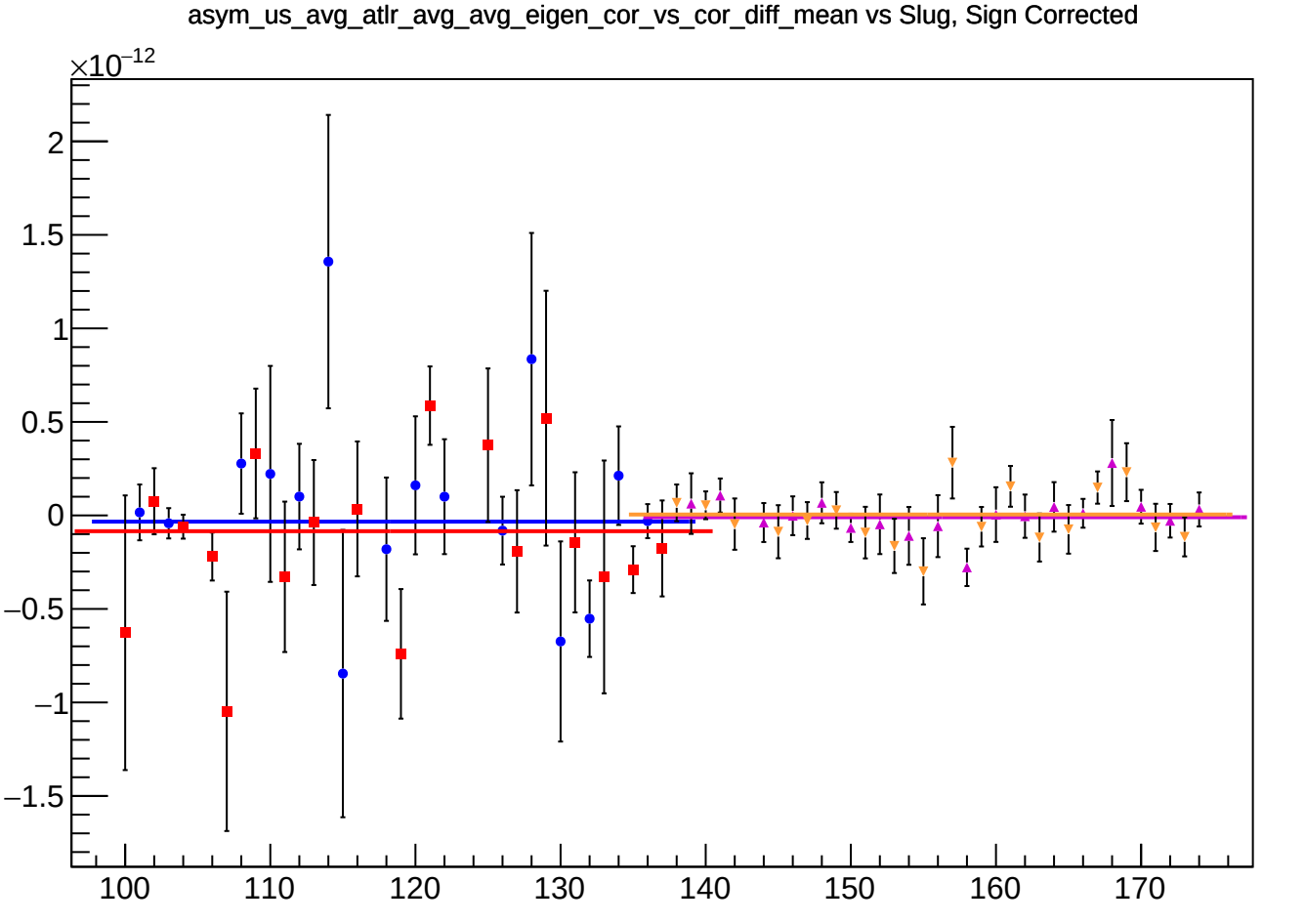
Left: 341.176+/-0.046 χ^2/NDF: 2496103.9/35

Right: 216.257+/-0.044 χ^2/NDF: 2587251.9/33

In: 278.990+/-0.045 χ^2/NDF:3829254.2/33

Out: 271.521+/-0.046 χ^2/NDF:5047368.0/35

All: 275.305+/-0.032 χ^2/NDF: 8890270.1/69



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/17

Left In: -0.000+/-0.000 χ^2/NDF:13.2/17

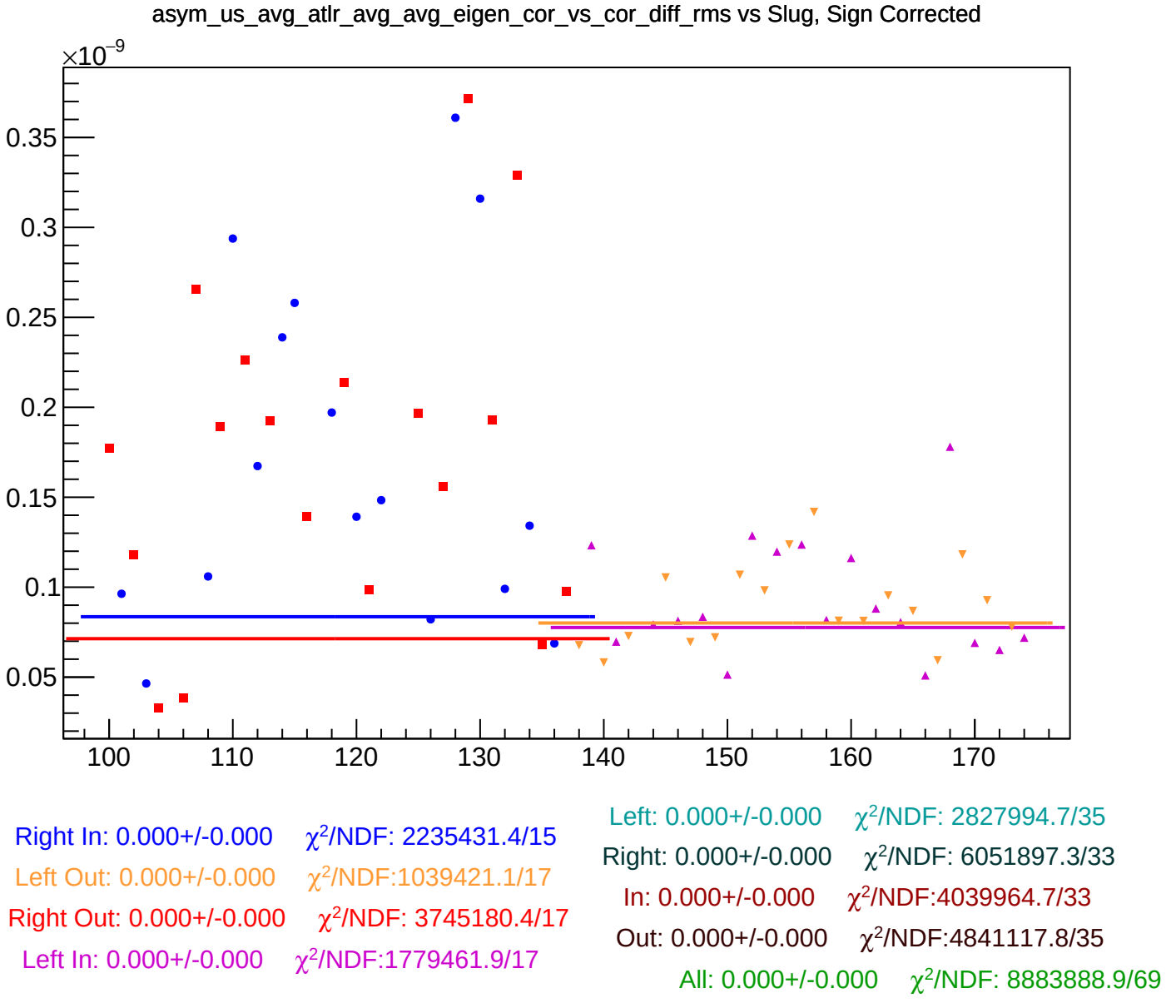
Left: -0.000+/-0.000 χ^2/NDF: 31.9/35

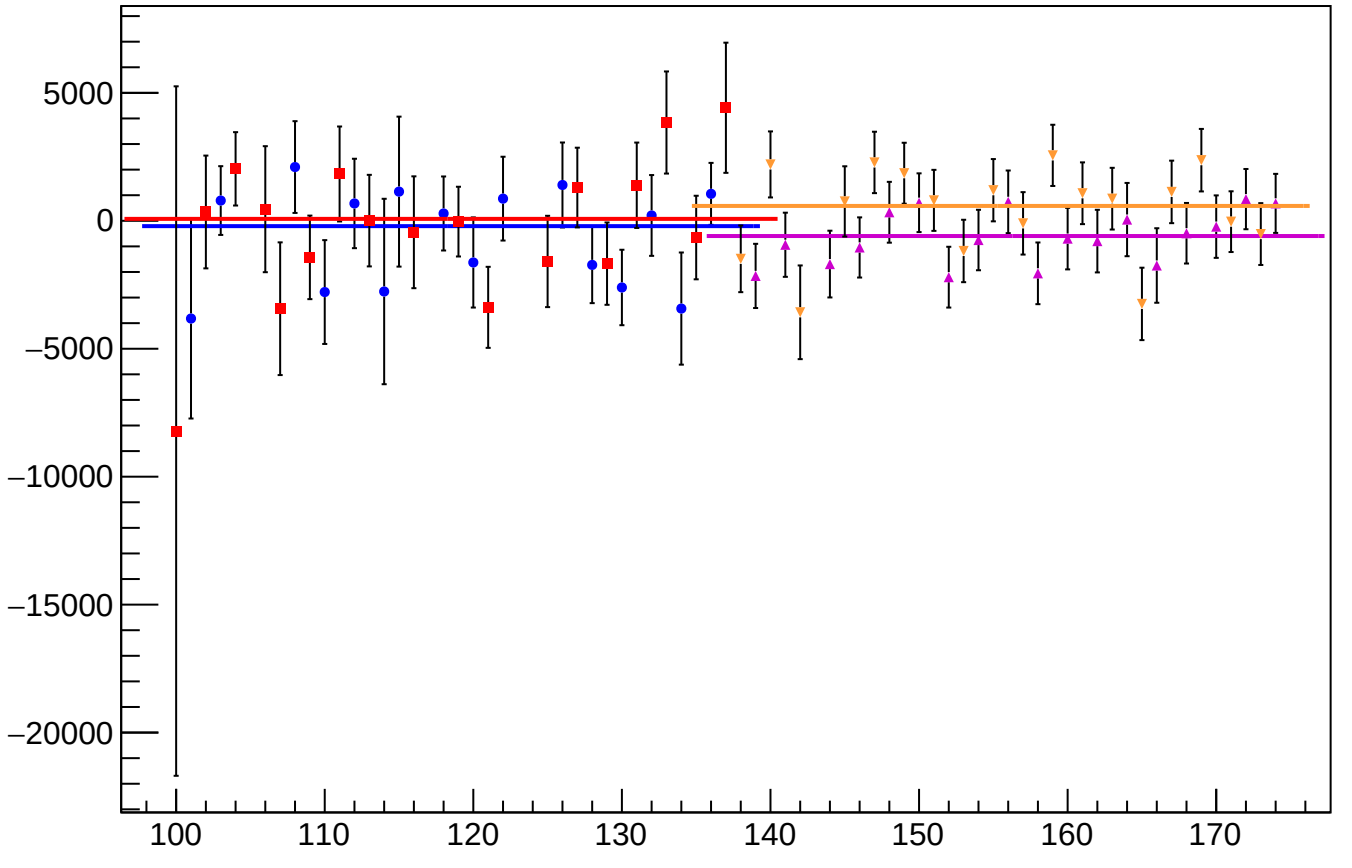
Right: -0.000+/-0.000 χ^2/NDF: 43.7/33

In: -0.000+/-0.000 χ^2/NDF:30.6/33

Out: -0.000+/-0.000 χ^2/NDF:47.3/35

All: -0.000+/-0.000 χ^2/NDF: 78.0/69


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2235431.4/15
Left Out: 0.000+/-0.000 χ²/NDF:1039421.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 3745180.4/17
Left In: 0.000+/-0.000 χ²/NDF:1779461.9/17
Left: 0.000+/-0.000 χ²/NDF: 2827994.7/35
Right: 0.000+/-0.000 χ²/NDF: 6051897.3/33
In: 0.000+/-0.000 χ²/NDF:4039964.7/33
Out: 0.000+/-0.000 χ²/NDF:4841117.8/35
All: 0.000+/-0.000 χ²/NDF: 8883888.9/69



Right In: -208.338+/-429.155 χ^2/NDF: 14.8/15

Left Out: 581.158+/-295.530 χ^2/NDF:28.8/17

Right Out: 75.616+/-430.760 χ^2/NDF: 20.7/17

Left In: -594.920+/-288.575 χ^2/NDF:12.6/17

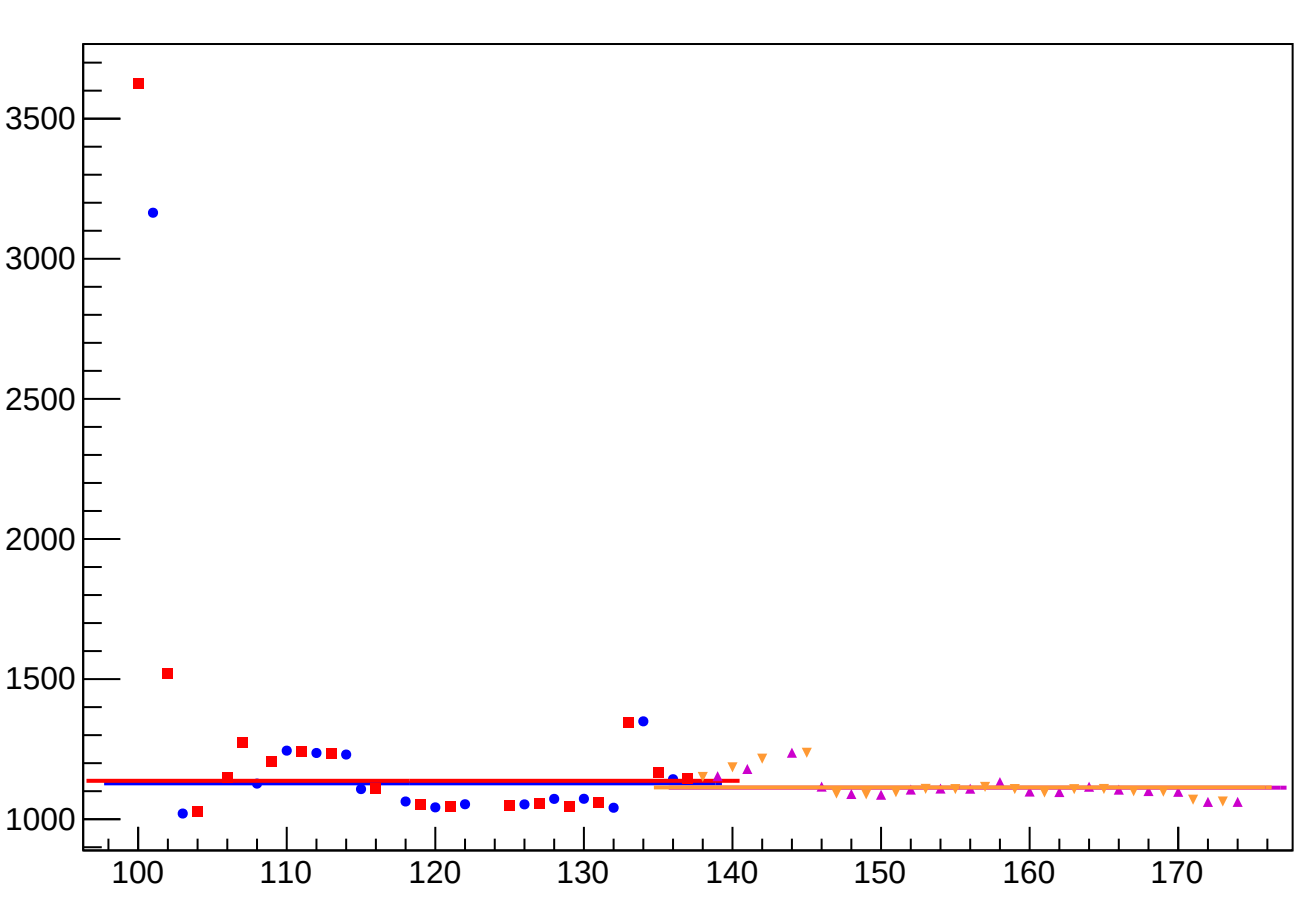
Left: -20.884+/-206.468 χ^2/NDF: 49.5/35

Right: -66.891+/-304.024 χ^2/NDF: 35.6/33

In: -474.550+/-239.470 χ^2/NDF:27.9/33

Out: 419.361+/-243.692 χ^2/NDF:50.4/35

All: -35.406+/-170.804 χ^2/NDF: 85.2/69



Right In: 1128.007+/-0.303 χ^2/NDF: 621394.5/15

Left Out: 1113.516+/-0.209 χ^2/NDF:39693.6/17

Right Out: 1137.041+/-0.304 χ^2/NDF: 220086.1/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

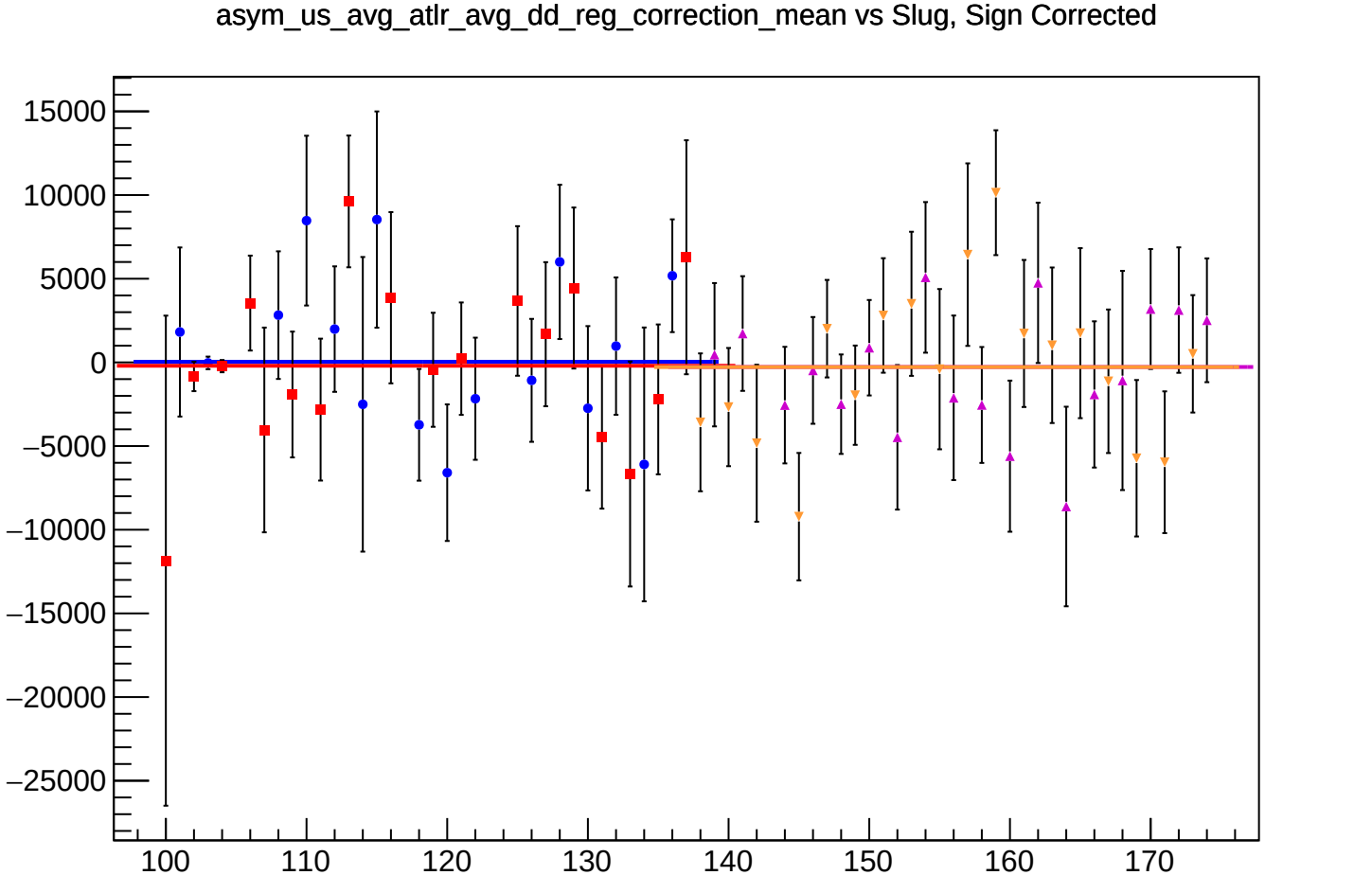
Left: 1113.006+/-0.146 χ^2/NDF: 76865.8/35

Right: 1132.516+/-0.215 χ^2/NDF: 841922.9/33

In: 1117.342+/-0.169 χ^2/NDF:660349.0/33

Out: 1121.064+/-0.172 χ^2/NDF:263845.7/35

All: 1119.171+/-0.121 χ^2/NDF: 924432.3/69



Right In: 38.300+/-357.651 χ^2/NDF: 14.8/15

Left Out: -279.279+/-933.678 χ^2/NDF:23.1/17

Right Out: -201.642+/-322.545 χ^2/NDF: 15.6/17

Left In: -274.569+/-911.838 χ^2/NDF:11.4/17

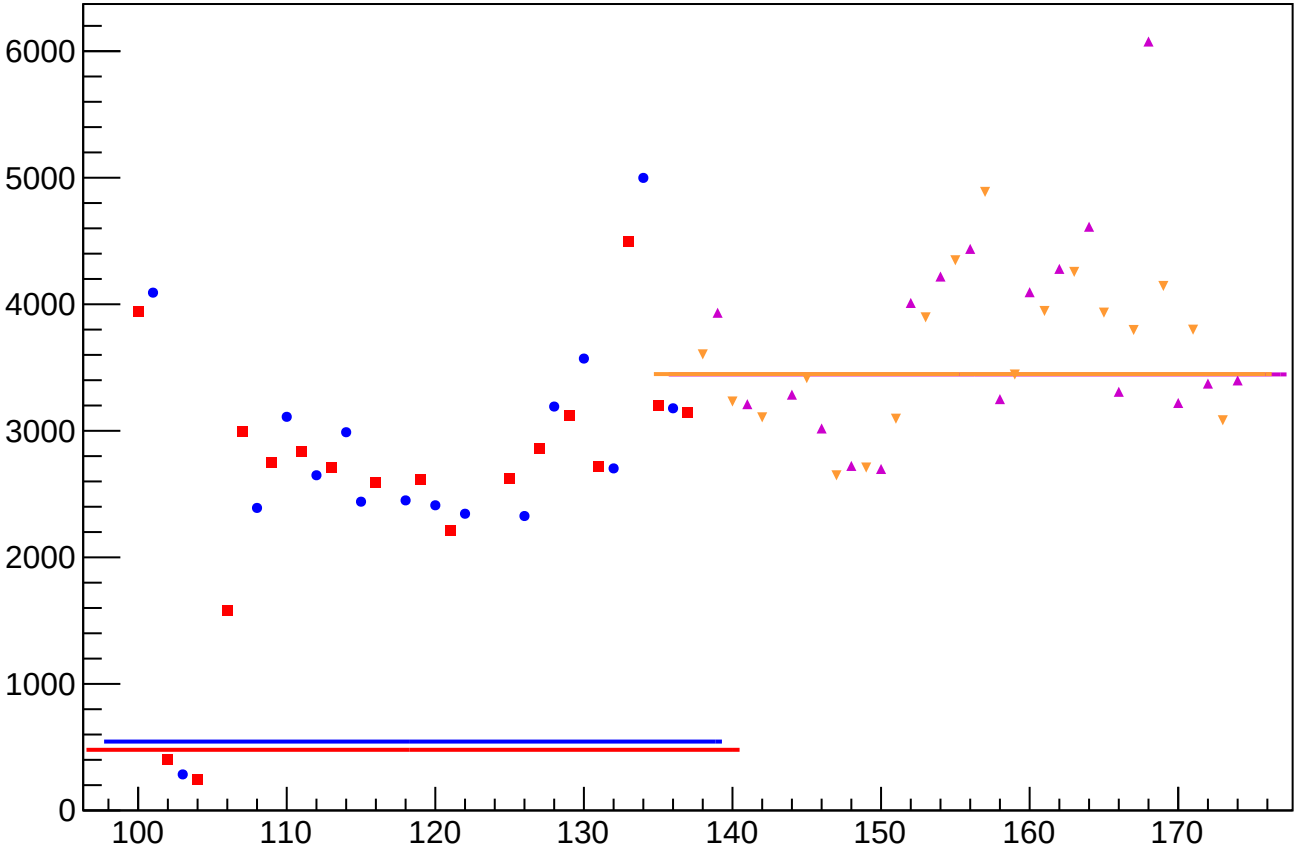
Left: -276.868+/-652.351 χ^2/NDF: 34.5/35

Right: -94.022+/-239.526 χ^2/NDF: 30.7/33

In: -3.416+/-332.955 χ^2/NDF:26.3/33

Out: -209.919+/-304.866 χ^2/NDF:38.7/35

All: -115.744+/-224.849 χ^2/NDF: 65.3/69



Right In: 544.336+/-0.253 χ^2/NDF: 9682967.9/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745899.5/17

Right Out: 479.253+/-0.228 χ^2/NDF: 9187985.0/17

Left In: 3445.740+/-0.645 χ^2/NDF:1024172.2/17

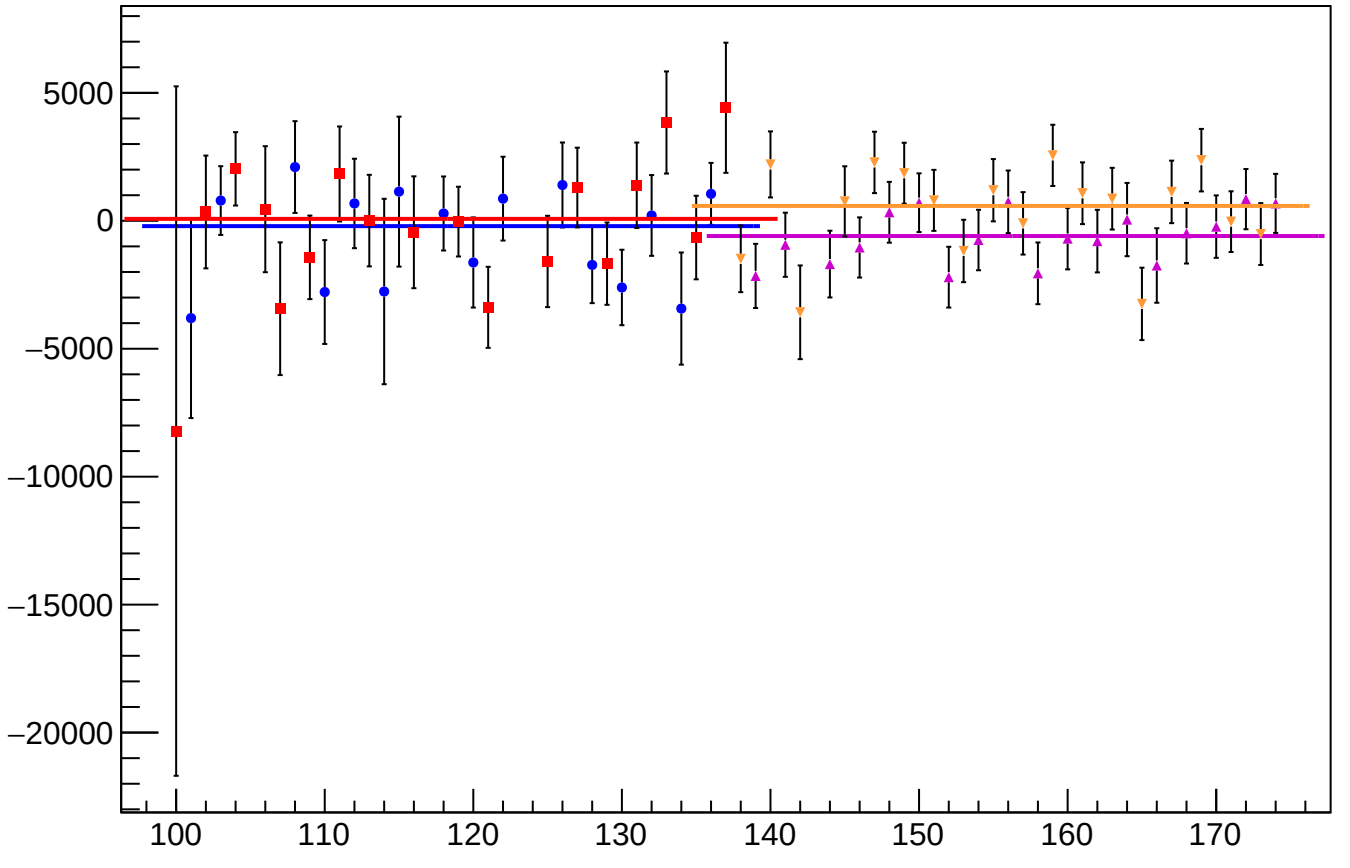
Left: 3447.029+/-0.461 χ^2/NDF: 1770079.9/35

Right: 508.444+/-0.169 χ^2/NDF: 18907476.4/33

In: 931.188+/-0.235 χ^2/NDF:28256599.4/33

Out: 795.810+/-0.216 χ^2/NDF:28002786.5/35

All: 857.549+/-0.159 χ^2/NDF: 56439237.4/69



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 581.224+/-295.530 χ^2/NDF:28.8/17

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -594.911+/-288.575 χ^2/NDF:12.6/17

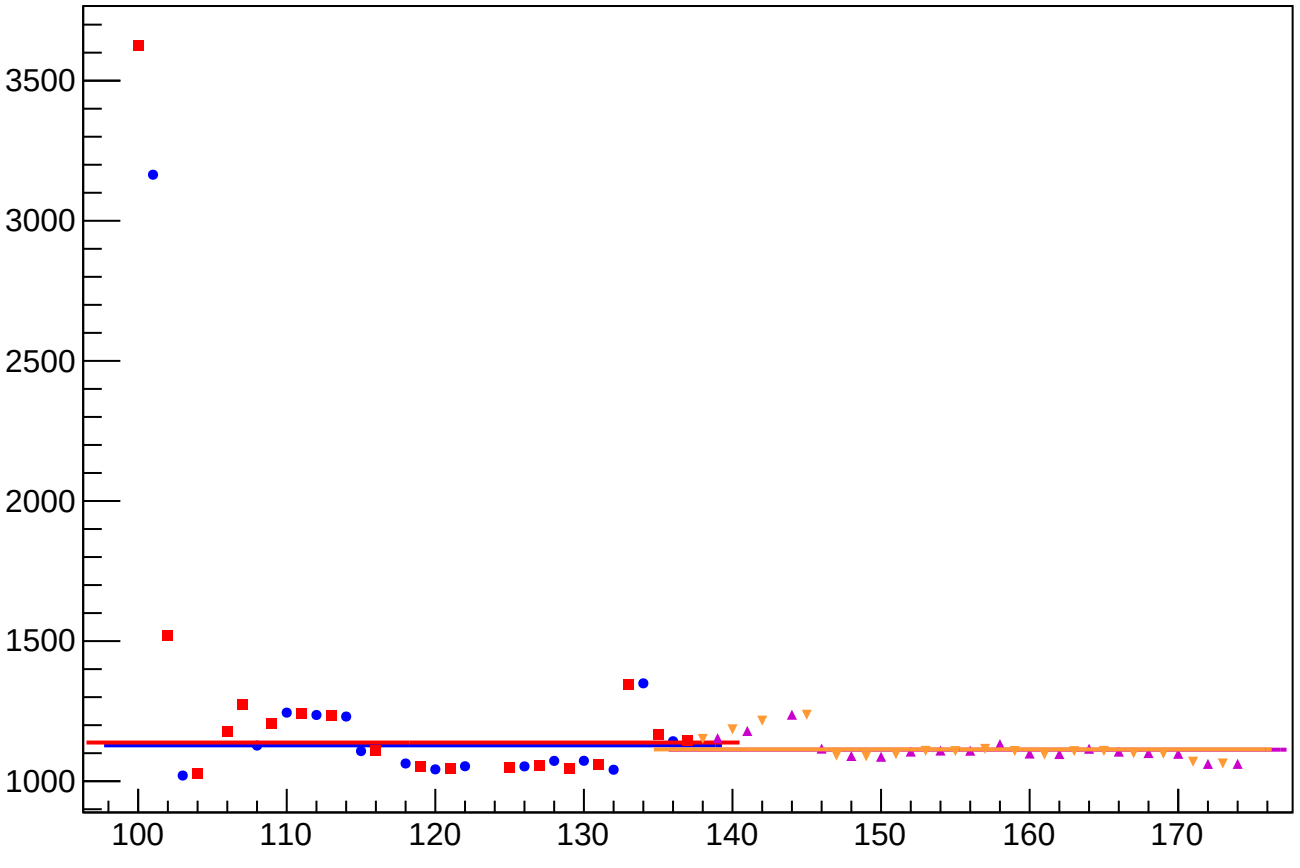
Left: -20.848+/-206.468 χ^2/NDF: 49.5/35

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -474.473+/-239.470 χ^2/NDF:27.9/33

Out: 419.452+/-243.692 χ^2/NDF:50.4/35

All: -35.321+/-170.804 χ^2/NDF: 85.1/69



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1113.516+/-0.209 χ^2/NDF:39693.6/17

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

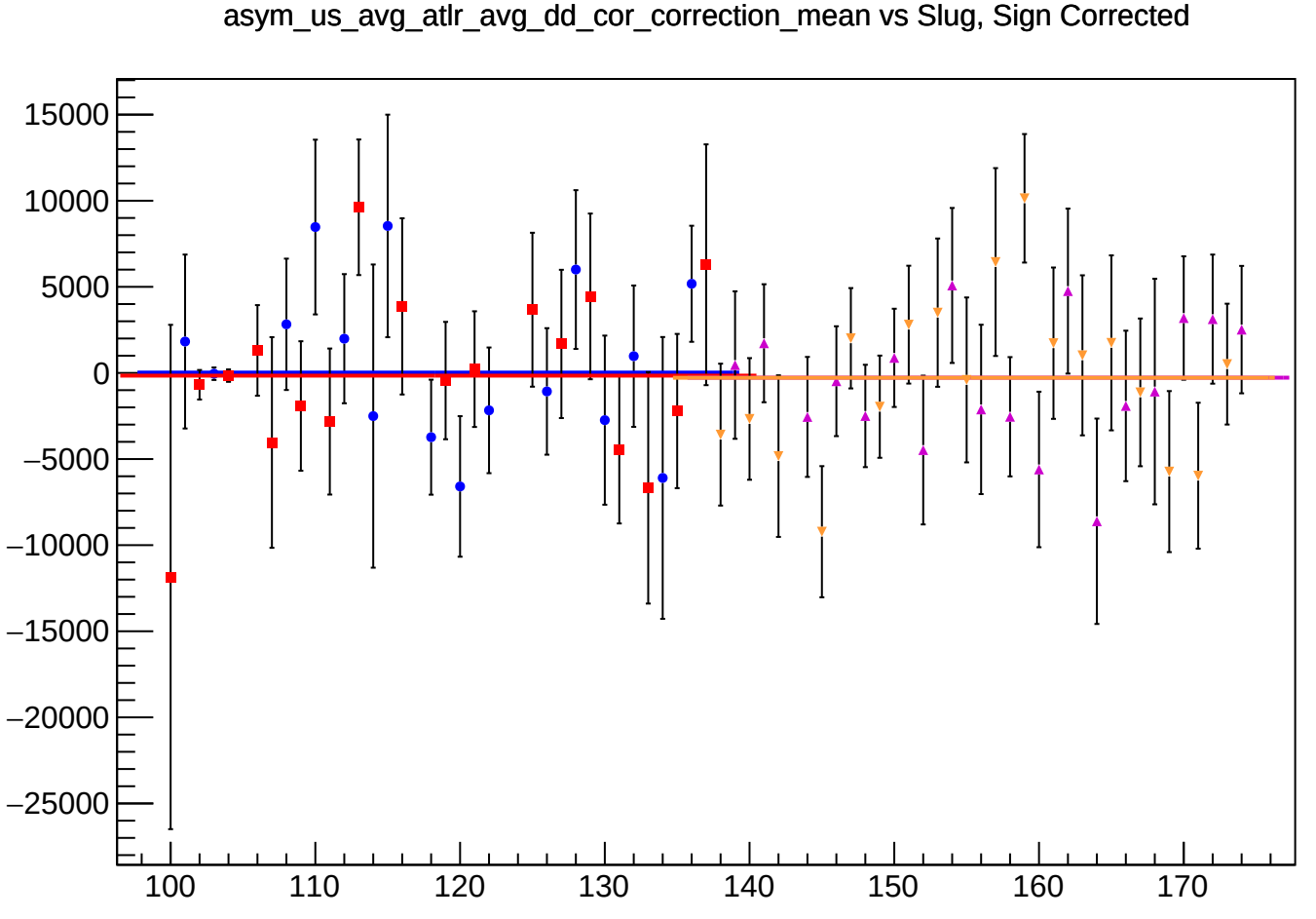
Left: 1113.006+/-0.146 χ^2/NDF: 76865.8/35

Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1117.341+/-0.169 χ^2/NDF:660350.1/33

Out: 1121.358+/-0.172 χ^2/NDF:264714.6/35

All: 1119.315+/-0.121 χ^2/NDF: 925341.1/69



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -279.221+/-933.678 χ^2/NDF:23.1/17

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -274.588+/-911.837 χ^2/NDF:11.4/17

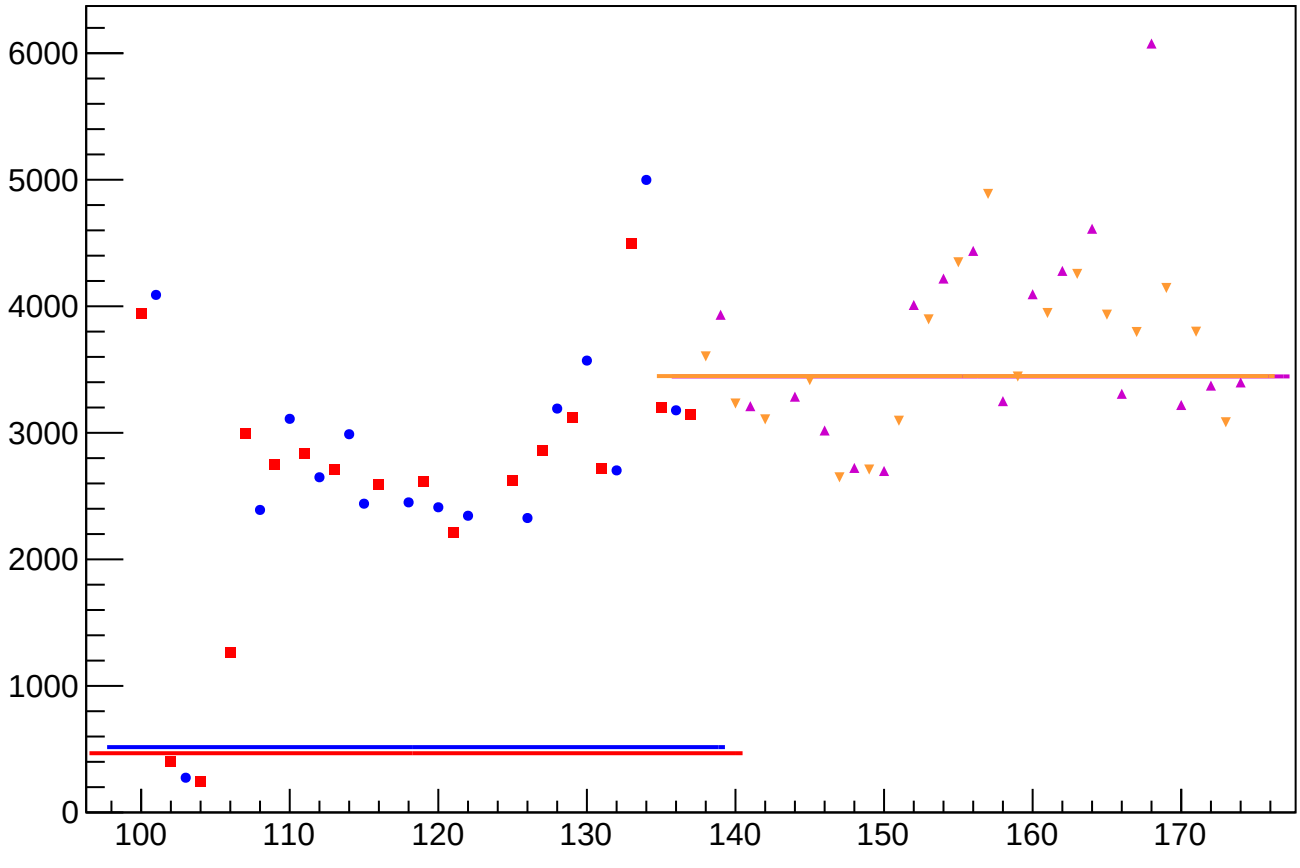
Left: -276.849+/-652.351 χ^2/NDF: 34.5/35

Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -15.362+/-322.288 χ^2/NDF:26.3/33

Out: -168.969+/-300.483 χ^2/NDF:37.1/35

All: -97.537+/-219.778 χ^2/NDF: 63.6/69



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745905.5/17

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

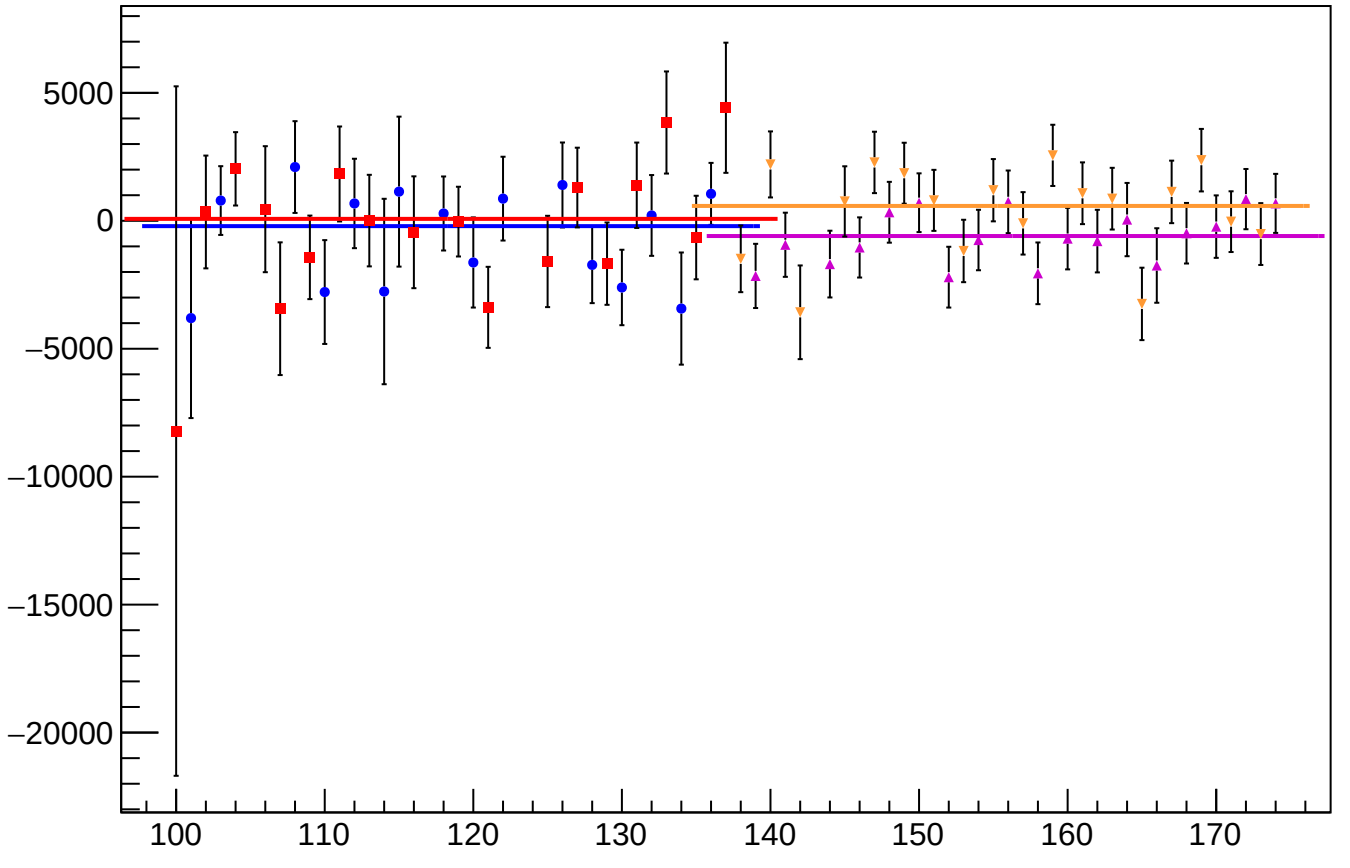
Left: 3447.029+/-0.461 χ^2/NDF: 1770091.6/35

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 882.260+/-0.228 χ^2/NDF:28922674.1/33

Out: 776.739+/-0.212 χ^2/NDF:28124544.0/35

All: 825.810+/-0.155 χ^2/NDF: 57161913.6/69



Right In: -208.110+/-429.155 χ^2/NDF: 14.8/15

Left Out: 581.224+/-295.530 χ^2/NDF:28.8/17

Right Out: 75.761+/-430.760 χ^2/NDF: 20.7/17

Left In: -594.911+/-288.575 χ^2/NDF:12.6/17

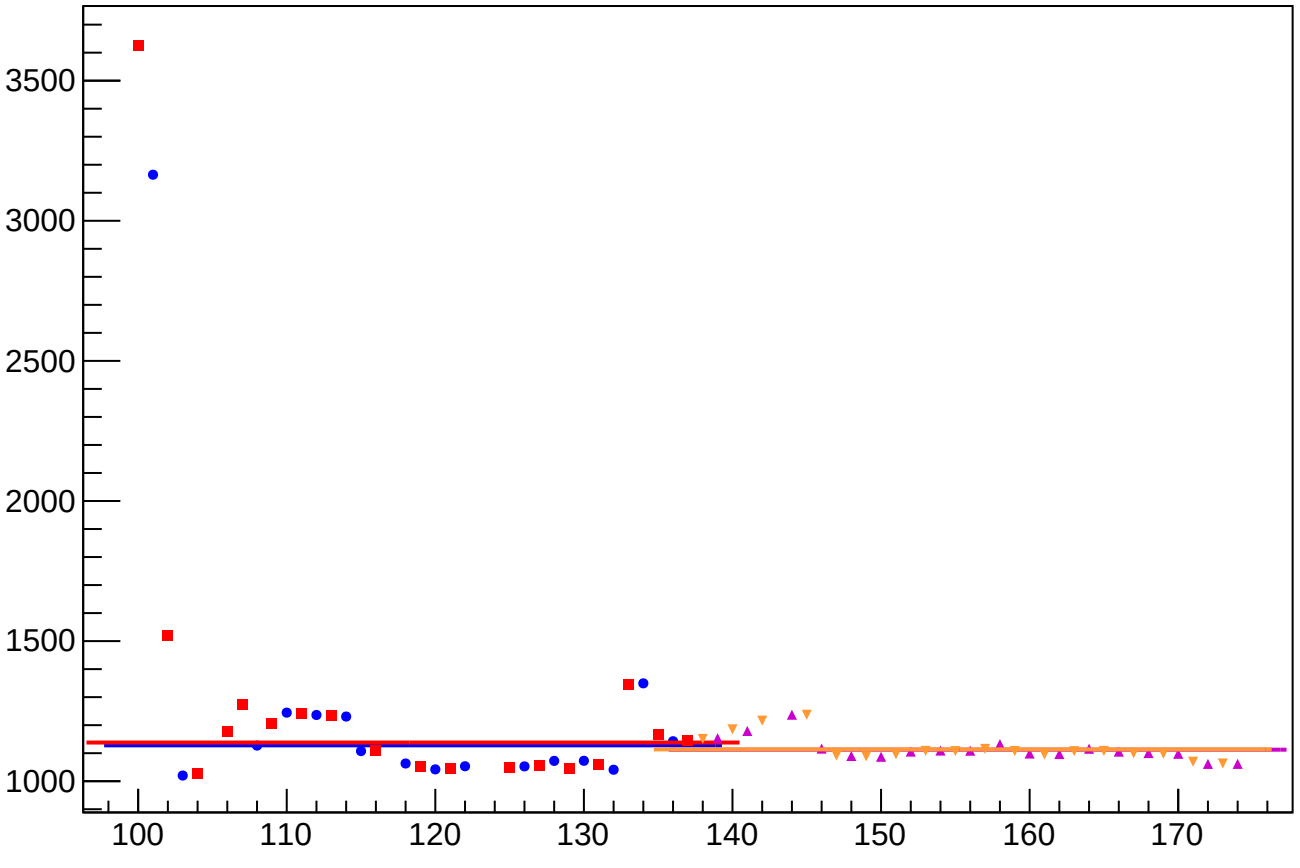
Left: -20.848+/-206.468 χ^2/NDF: 49.5/35

Right: -66.705+/-304.024 χ^2/NDF: 35.6/33

In: -474.473+/-239.470 χ^2/NDF:27.9/33

Out: 419.452+/-243.692 χ^2/NDF:50.4/35

All: -35.321+/-170.804 χ^2/NDF: 85.1/69



Right In: 1128.007+/-0.303 χ^2/NDF: 621395.6/15

Left Out: 1113.516+/-0.209 χ^2/NDF:39693.6/17

Right Out: 1138.000+/-0.304 χ^2/NDF: 220624.5/17

Left In: 1112.519+/-0.204 χ^2/NDF:37160.6/17

Left: 1113.006+/-0.146 χ^2/NDF: 76865.8/35

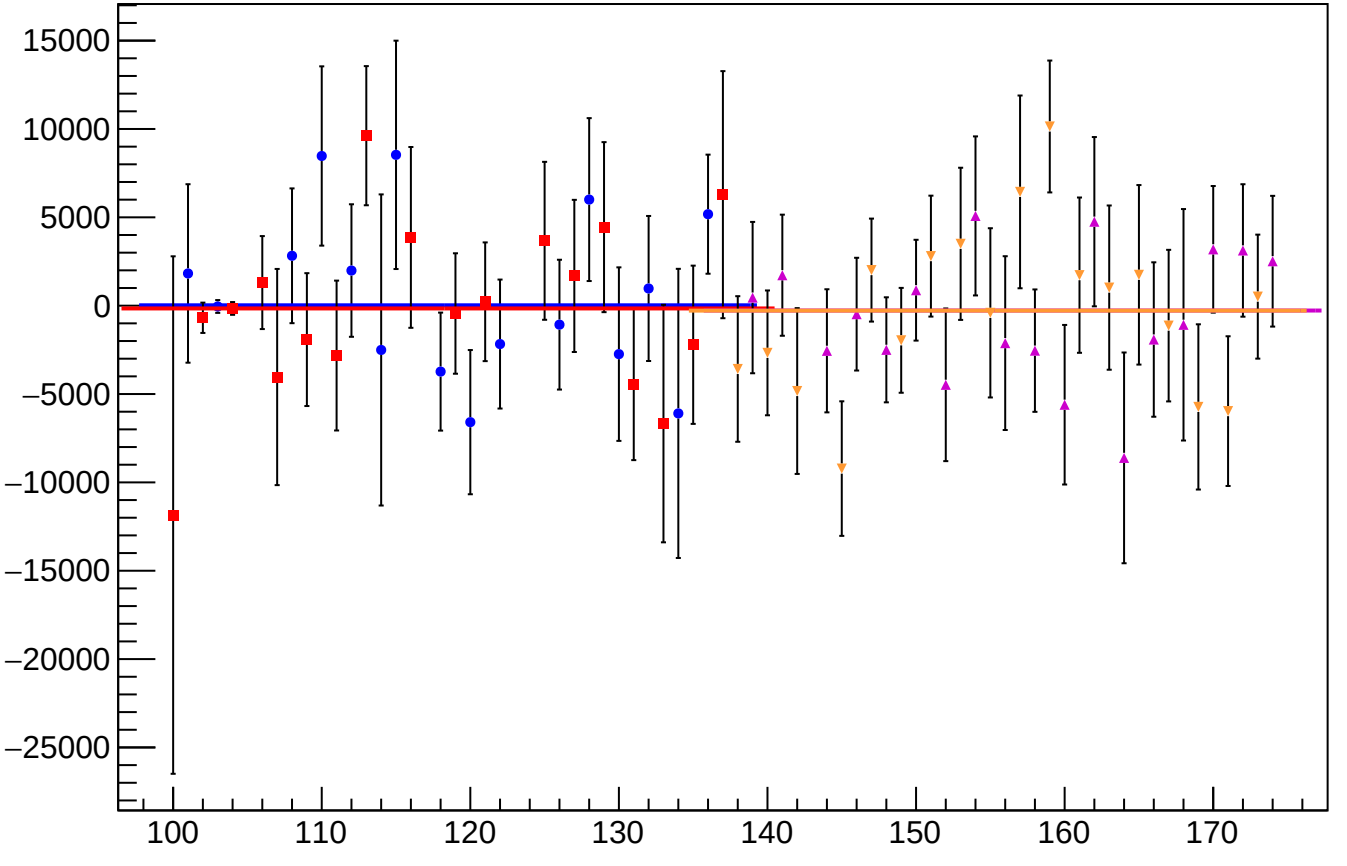
Right: 1132.987+/-0.215 χ^2/NDF: 842560.5/33

In: 1117.341+/-0.169 χ^2/NDF:660350.1/33

Out: 1121.358+/-0.172 χ^2/NDF:264714.6/35

All: 1119.315+/-0.121 χ^2/NDF: 925341.1/69

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 21.645+/-344.525 χ^2/NDF: 14.9/15

Left Out: -279.221+/-933.678 χ^2/NDF:23.1/17

Right Out: -156.231+/-317.367 χ^2/NDF: 14.0/17

Left In: -274.588+/-911.837 χ^2/NDF:11.4/17

Left: -276.849+/-652.351 χ^2/NDF: 34.5/35

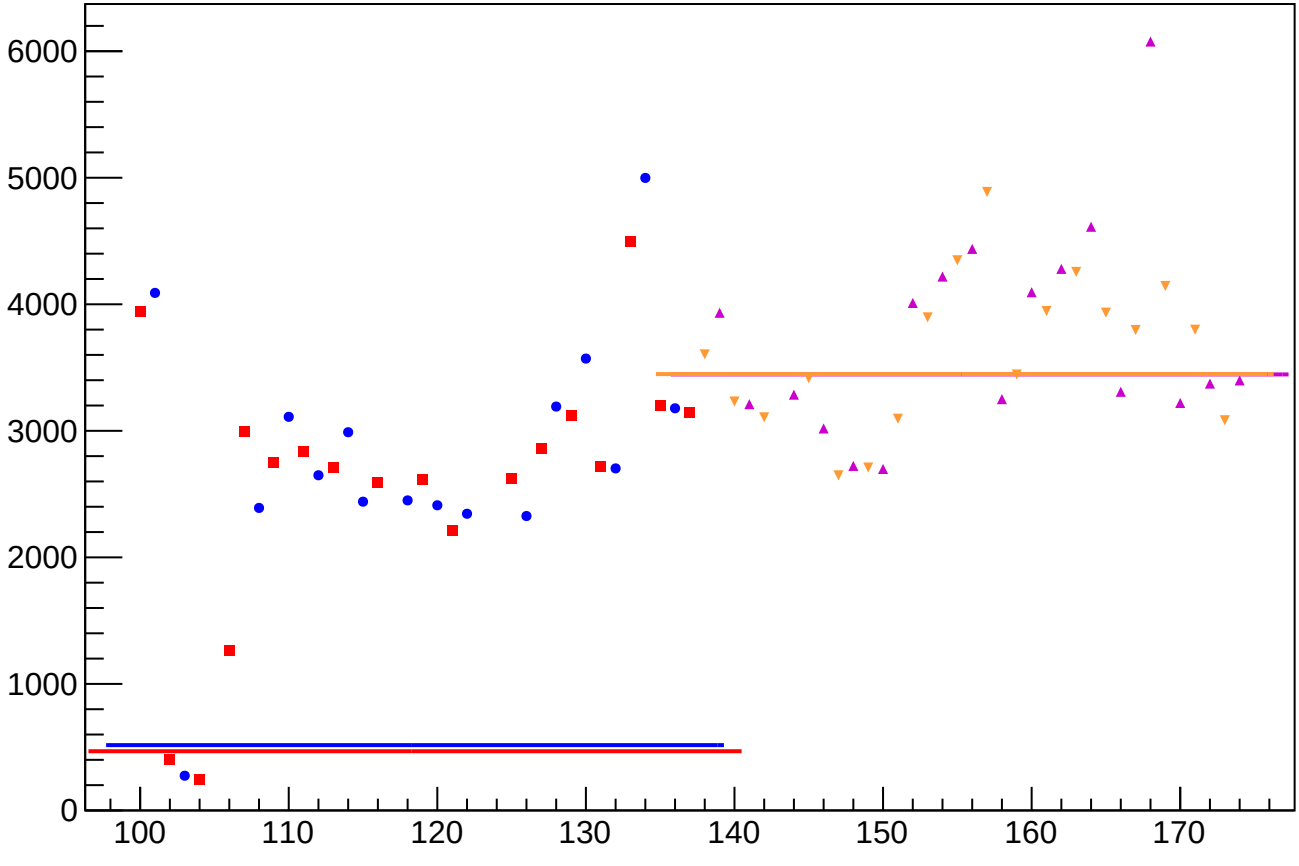
Right: -74.579+/-233.424 χ^2/NDF: 29.0/33

In: -15.362+/-322.288 χ^2/NDF:26.3/33

Out: -168.969+/-300.483 χ^2/NDF:37.1/35

All: -97.537+/-219.778 χ^2/NDF: 63.6/69

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 516.297+/-0.244 χ^2/NDF: 9834669.6/15

Left Out: 3448.382+/-0.660 χ^2/NDF:745905.5/17

Right Out: 468.060+/-0.224 χ^2/NDF: 9111222.0/17

Left In: 3445.738+/-0.645 χ^2/NDF:1024177.9/17

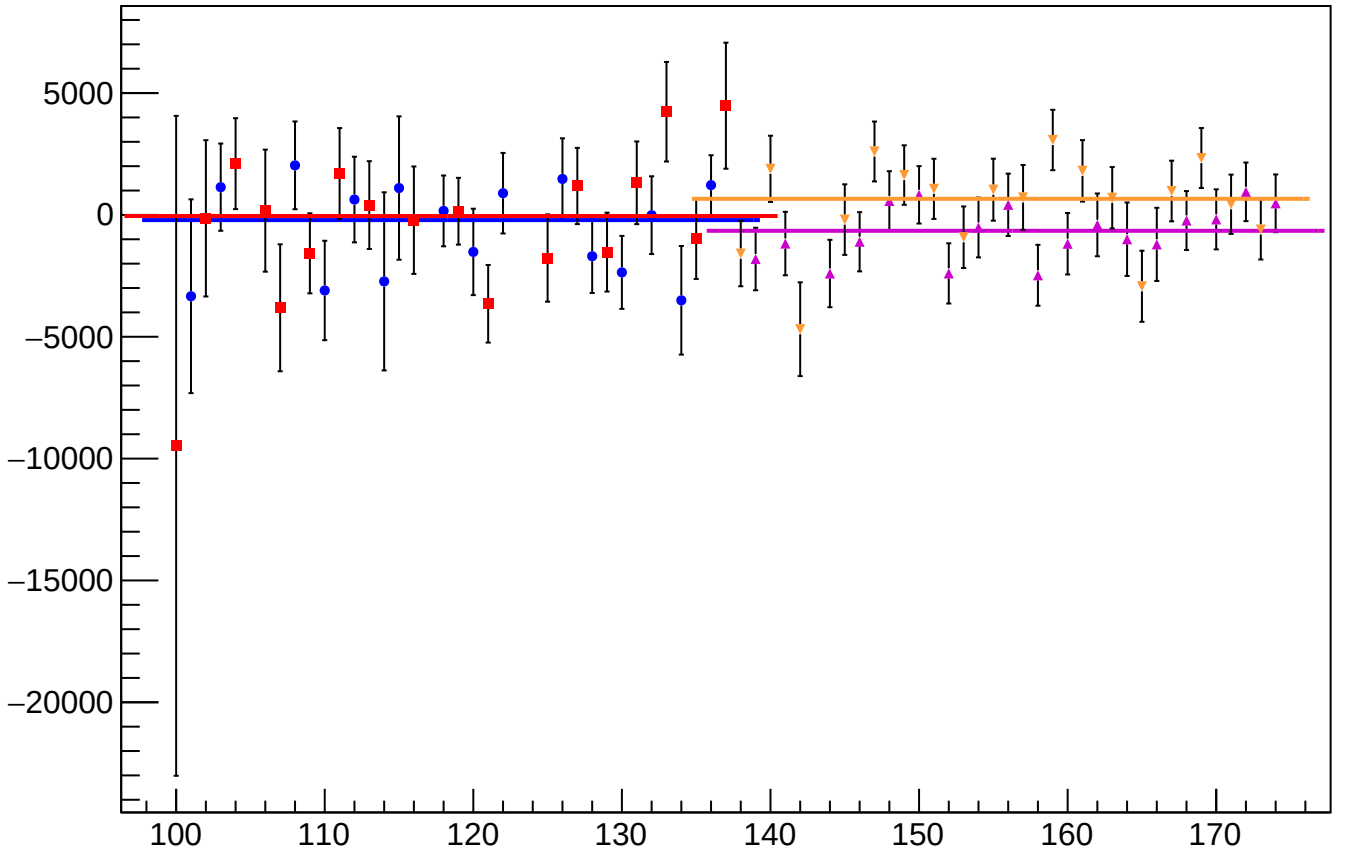
Left: 3447.029+/-0.461 χ^2/NDF: 1770091.6/35

Right: 490.202+/-0.165 χ^2/NDF: 18967100.3/33

In: 882.260+/-0.228 χ^2/NDF:28922674.1/33

Out: 776.739+/-0.212 χ^2/NDF:28124544.0/35

All: 825.810+/-0.155 χ^2/NDF: 57161913.6/69



Right In: -213.079+/-442.684 χ^2/NDF: 14.3/15

Left Out: 661.074+/-306.147 χ^2/NDF:30.3/17

Right Out: -45.535+/-447.221 χ^2/NDF: 21.7/17

Left In: -651.795+/-298.502 χ^2/NDF:13.5/17

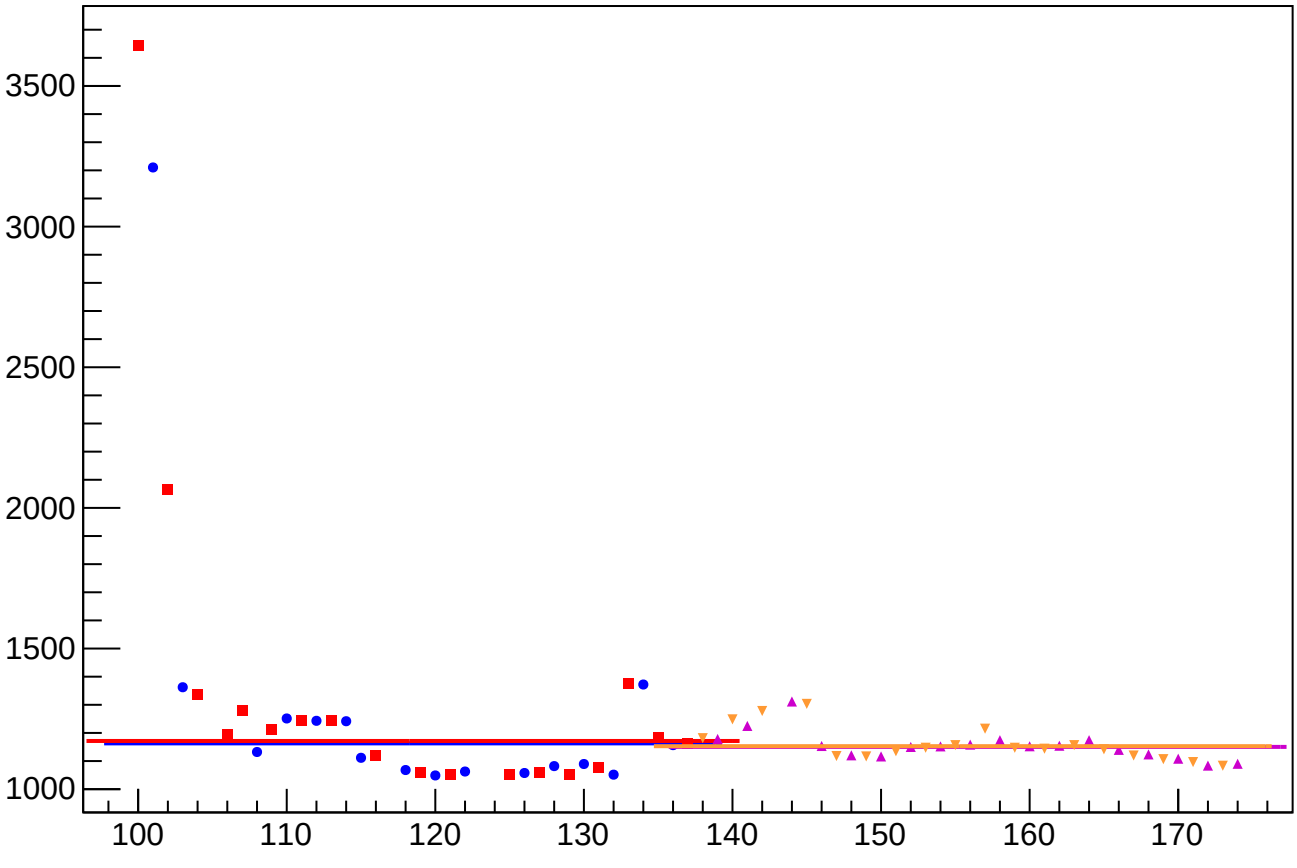
Left: -11.957+/-213.725 χ^2/NDF: 53.2/35

Right: -130.161+/-314.617 χ^2/NDF: 36.1/33

In: -514.668+/-247.493 χ^2/NDF:28.5/33

Out: 435.605+/-252.625 χ^2/NDF:53.6/35

All: -49.281+/-176.791 χ^2/NDF: 89.4/69



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.4/15

Left Out: 1152.830+/-0.216 χ^2/NDF:64219.6/17

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.8/17

Left In: 1150.350+/-0.211 χ^2/NDF:53628.9/17

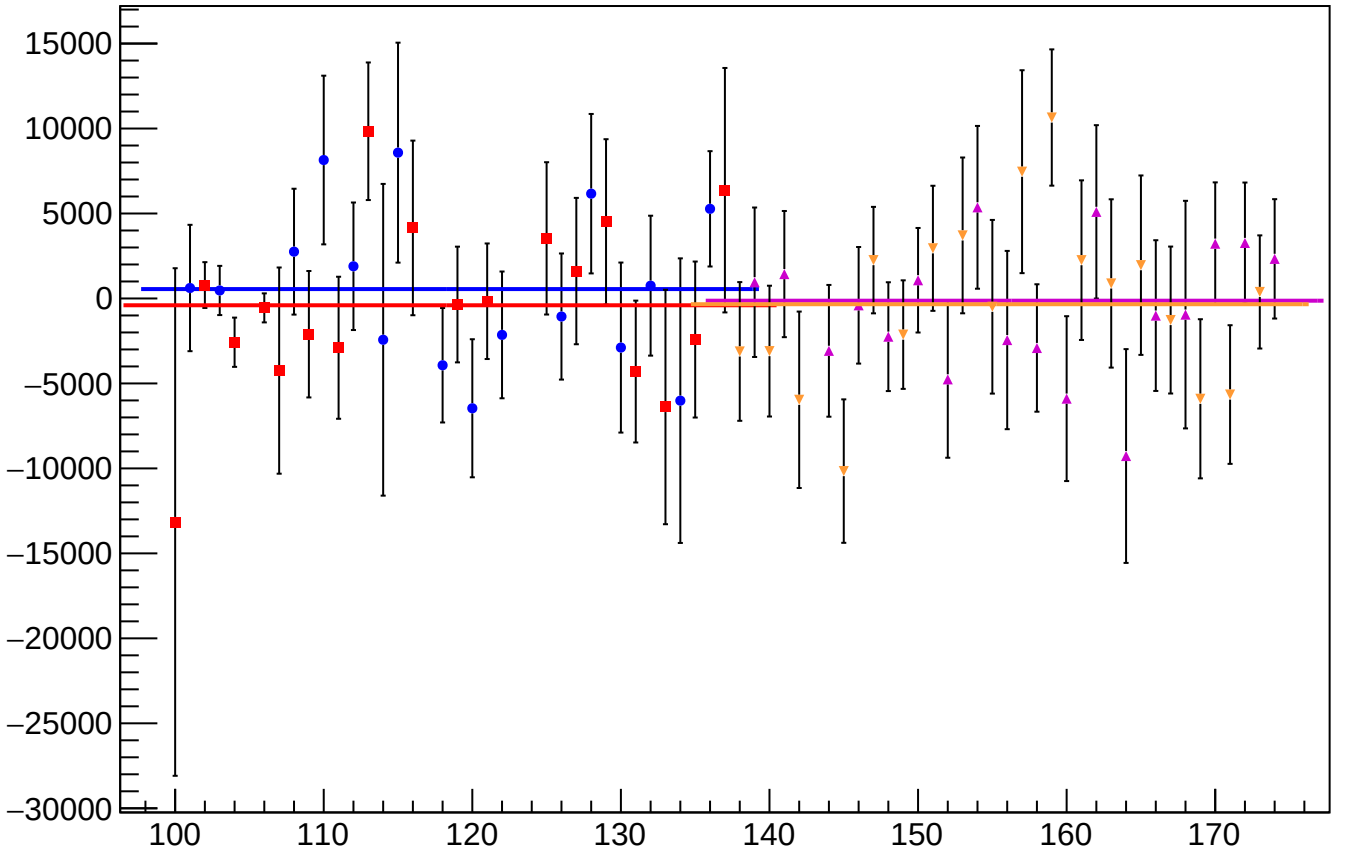
Left: 1151.559+/-0.151 χ^2/NDF: 117915.8/35

Right: 1167.094+/-0.222 χ^2/NDF: 967365.3/33

In: 1154.257+/-0.175 χ^2/NDF:690078.8/33

Out: 1158.766+/-0.179 χ^2/NDF:398215.1/35

All: 1156.466+/-0.125 χ^2/NDF: 1088619.1/69



Right In: 552.517+/-874.128 χ^2/NDF: 14.4/15

Left Out: -338.537+/-979.581 χ^2/NDF:23.1/17

Right Out: -400.432+/-565.871 χ^2/NDF: 16.7/17

Left In: -131.489+/-956.295 χ^2/NDF:11.4/17

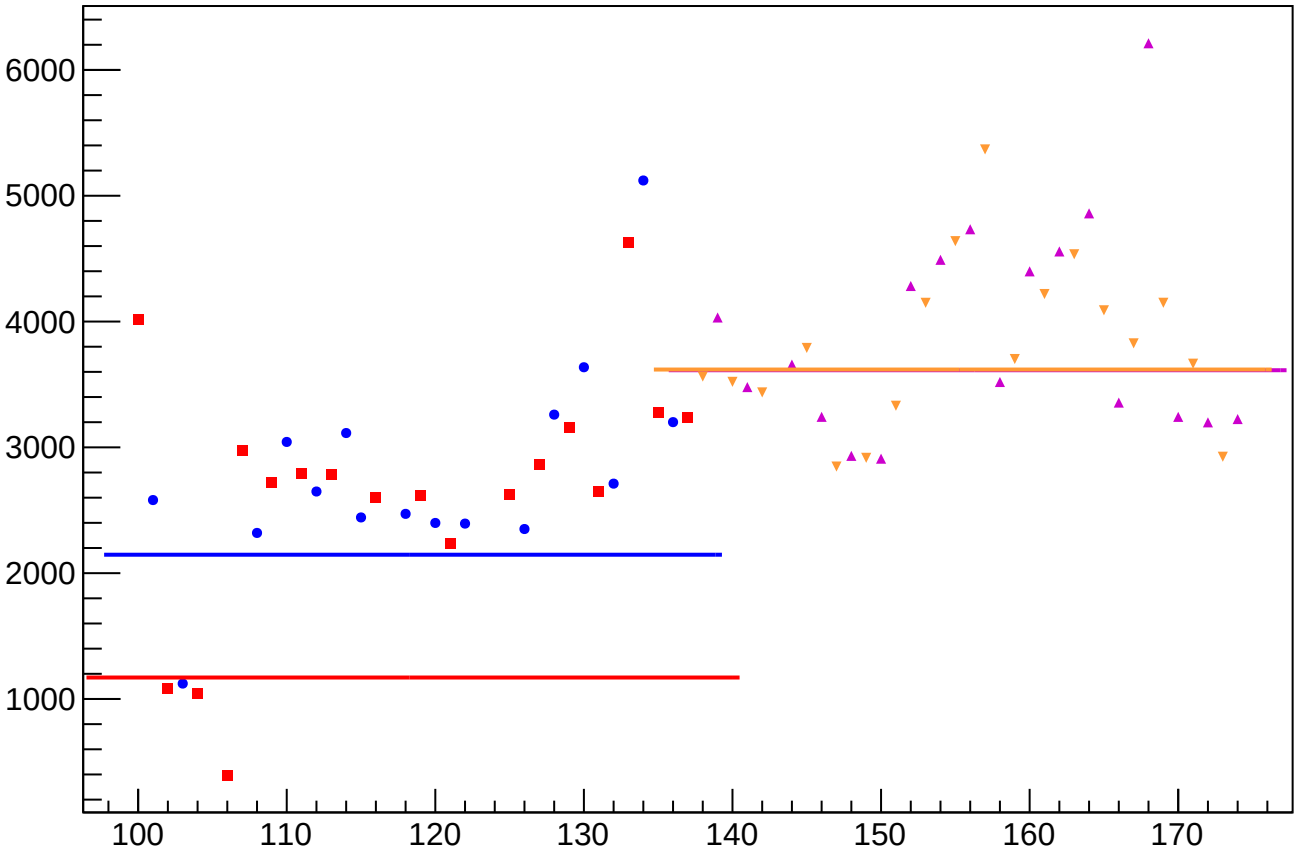
Left: -232.523+/-684.287 χ^2/NDF: 34.5/35

Right: -119.015+/-475.024 χ^2/NDF: 31.9/33

In: 241.157+/-645.198 χ^2/NDF:26.1/33

Out: -384.946+/-489.991 χ^2/NDF:39.8/35

All: -155.926+/-390.217 χ^2/NDF: 66.4/69



Right In: 2146.616+/-0.618 χ^2/NDF: 1974723.6/15

Left Out: 3618.560+/-0.693 χ^2/NDF:750852.8/17

Right Out: 1170.573+/-0.400 χ^2/NDF: 5817478.8/17

Left In: 3613.079+/-0.676 χ^2/NDF:1021325.9/17

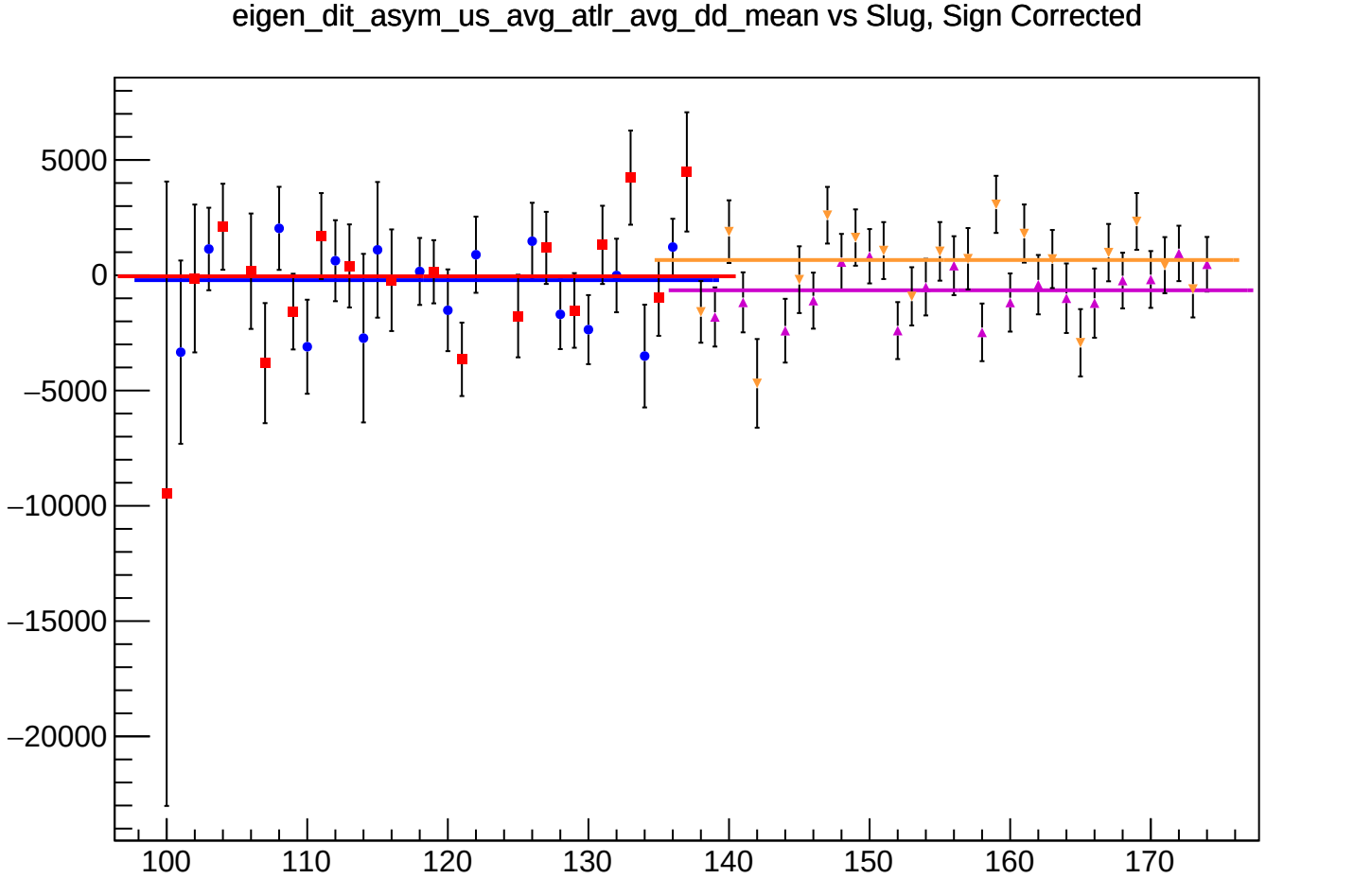
Left: 3615.753+/-0.484 χ^2/NDF: 1772210.7/35

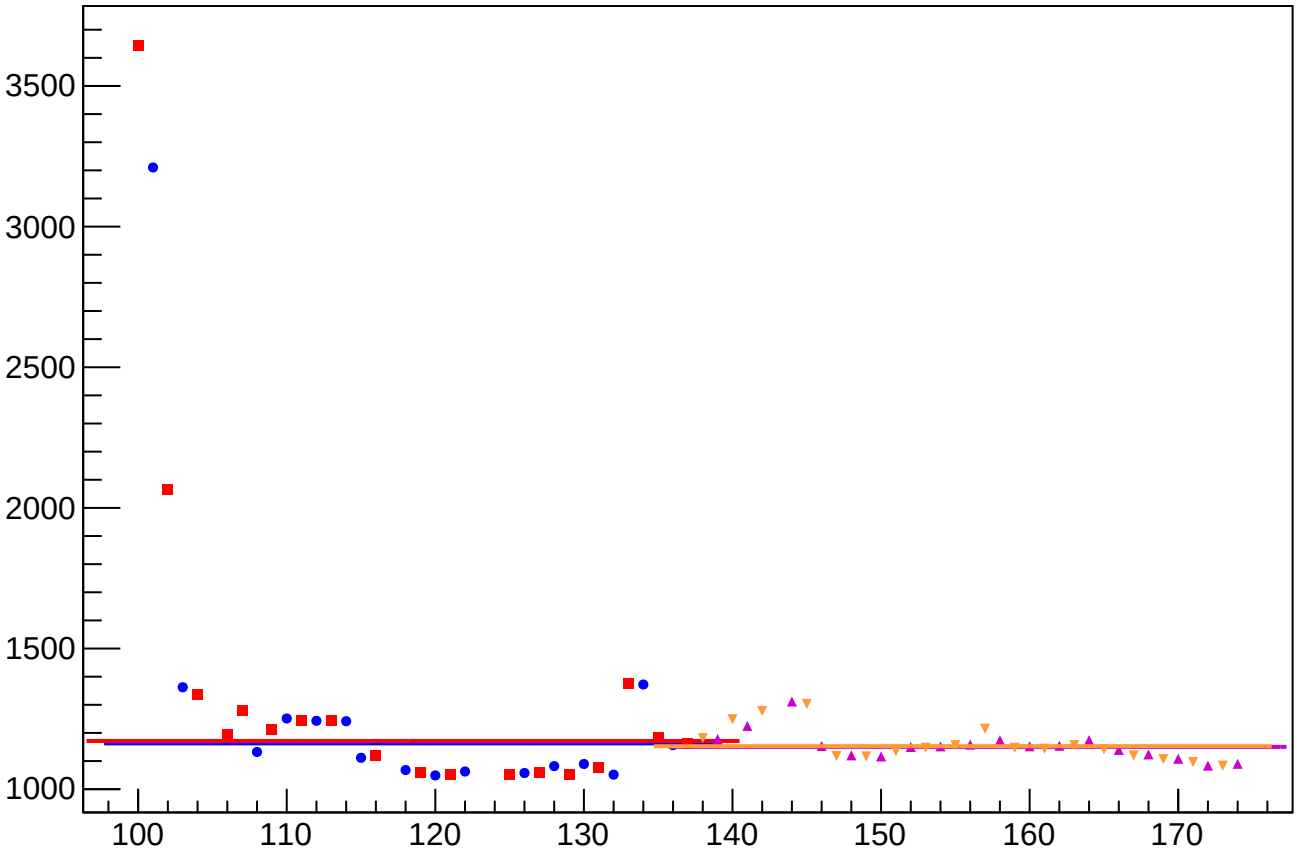
Right: 1458.811+/-0.336 χ^2/NDF: 9549375.1/33

In: 2814.151+/-0.456 χ^2/NDF:5558319.2/33

Out: 1783.073+/-0.346 χ^2/NDF:15933378.7/35

All: 2160.226+/-0.276 χ^2/NDF: 24731085.5/6


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: 661.074+/-306.147 χ²/NDF:30.3/17
Right Out: -45.539+/-447.221 χ²/NDF: 21.7/17
Left In: -651.794+/-298.502 χ²/NDF:13.5/17
Left: -11.957+/-213.725 χ²/NDF: 53.2/35
Right: -130.164+/-314.617 χ²/NDF: 36.1/33
In: -514.668+/-247.493 χ²/NDF:28.5/33
Out: 435.603+/-252.625 χ²/NDF:53.6/35
All: -49.282+/-176.791 χ²/NDF: 89.4/69



Right In: 1162.851+/-0.313 χ^2/NDF: 635353.6/15

Left Out: 1152.831+/-0.216 χ^2/NDF:64220.9/17

Right Out: 1171.420+/-0.316 χ^2/NDF: 331640.4/17

Left In: 1150.350+/-0.211 χ^2/NDF:53629.9/17

Left: 1151.559+/-0.151 χ^2/NDF: 117918.2/35

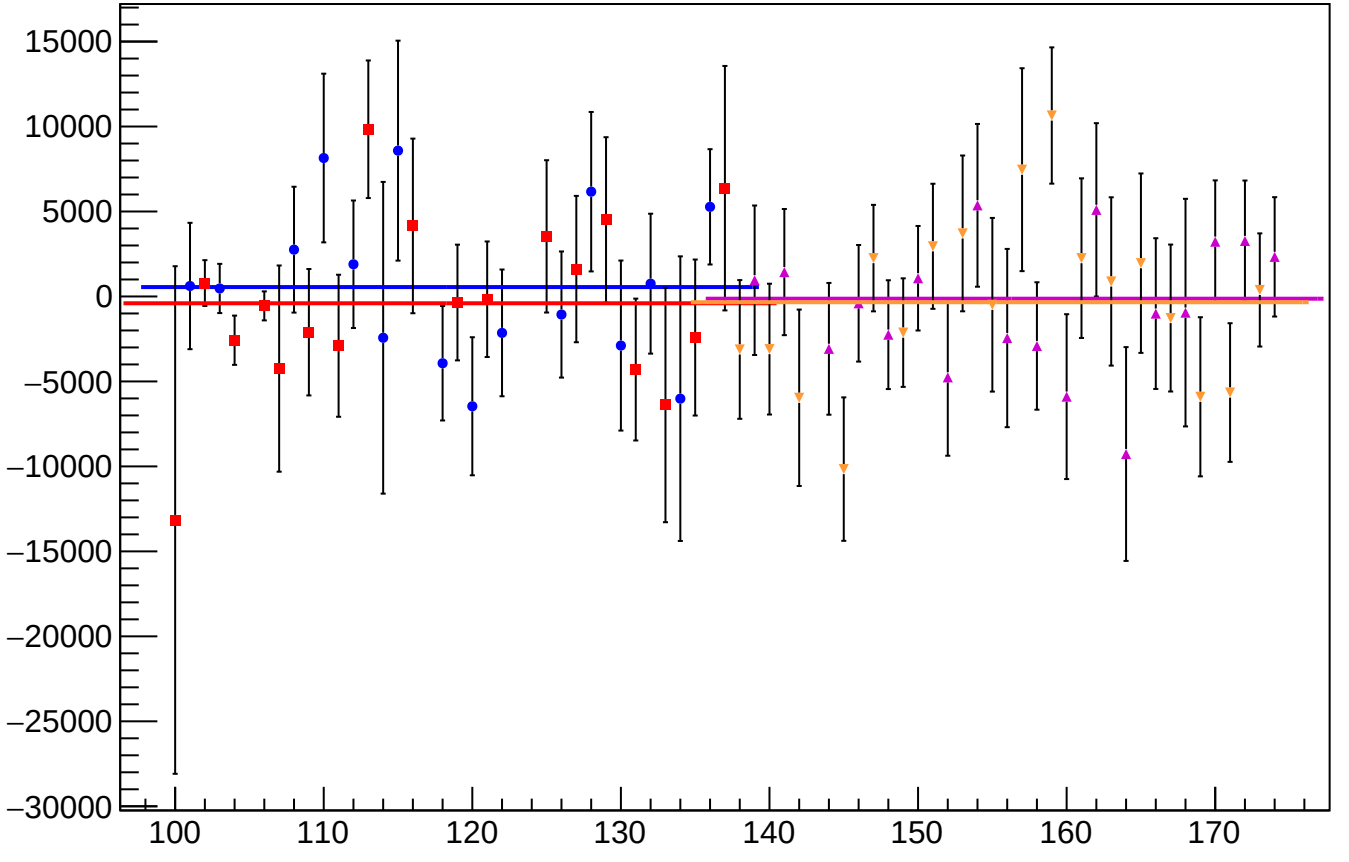
Right: 1167.094+/-0.222 χ^2/NDF: 967365.1/33

In: 1154.258+/-0.175 χ^2/NDF:690079.9/33

Out: 1158.766+/-0.179 χ^2/NDF:398215.9/35

All: 1156.466+/-0.125 χ^2/NDF: 1088621.0/69

asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 552.510+/-874.126 χ^2/NDF: 14.4/15

Left Out: -338.539+/-979.582 χ^2/NDF:23.1/17

Right Out: -400.433+/-565.864 χ^2/NDF: 16.7/17

Left In: -131.487+/-956.296 χ^2/NDF:11.4/17

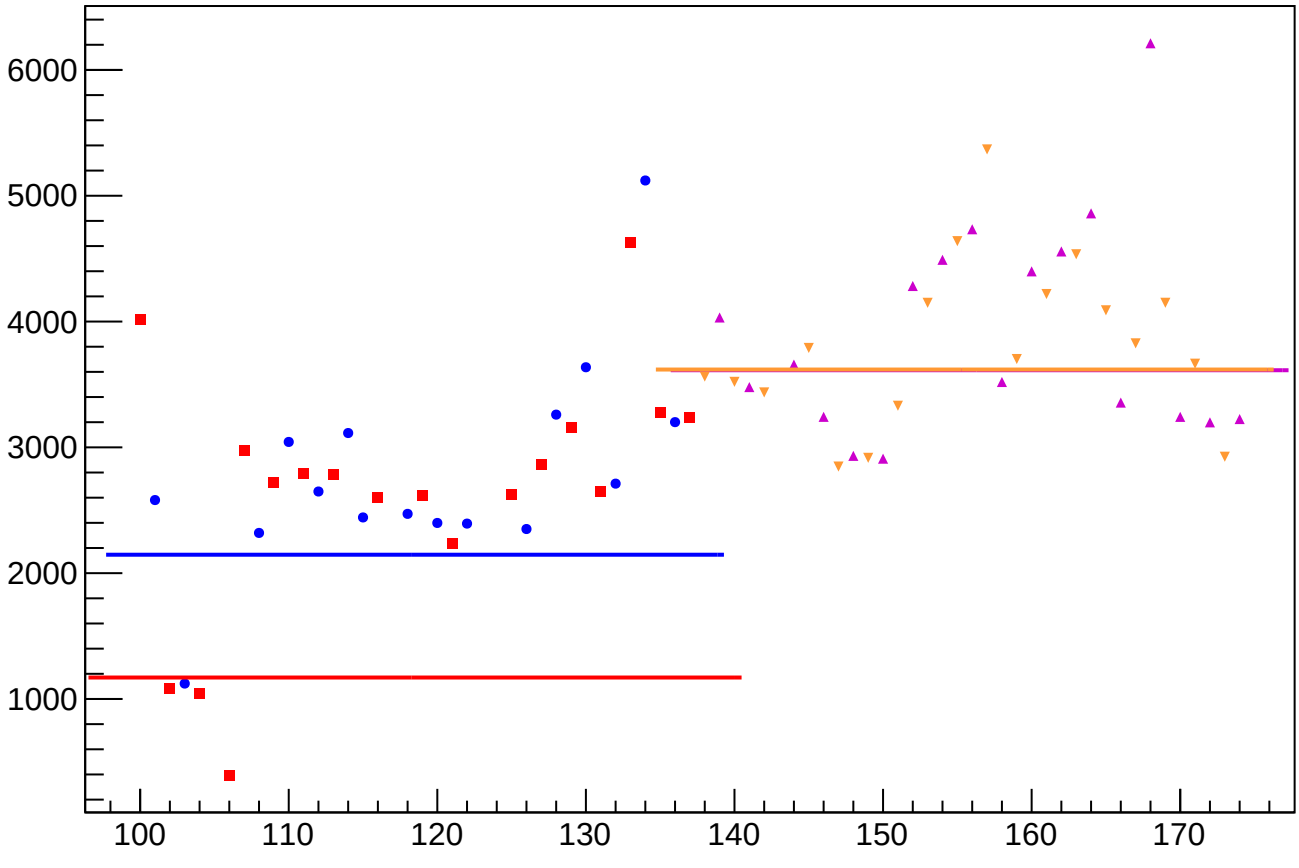
Left: -232.523+/-684.288 χ^2/NDF: 34.5/35

Right: -119.022+/-475.020 χ^2/NDF: 31.9/33

In: 241.155+/-645.198 χ^2/NDF:26.1/33

Out: -384.947+/-489.987 χ^2/NDF:39.8/35

All: -155.930+/-390.215 χ^2/NDF: 66.4/69



Right In: 2146.613+/-0.618 χ^2/NDF: 1974719.3/15

Left Out: 3618.565+/-0.693 χ^2/NDF:750853.4/17

Right Out: 1170.550+/-0.400 χ^2/NDF: 5817605.6/17

Left In: 3613.083+/-0.676 χ^2/NDF:1021327.6/17

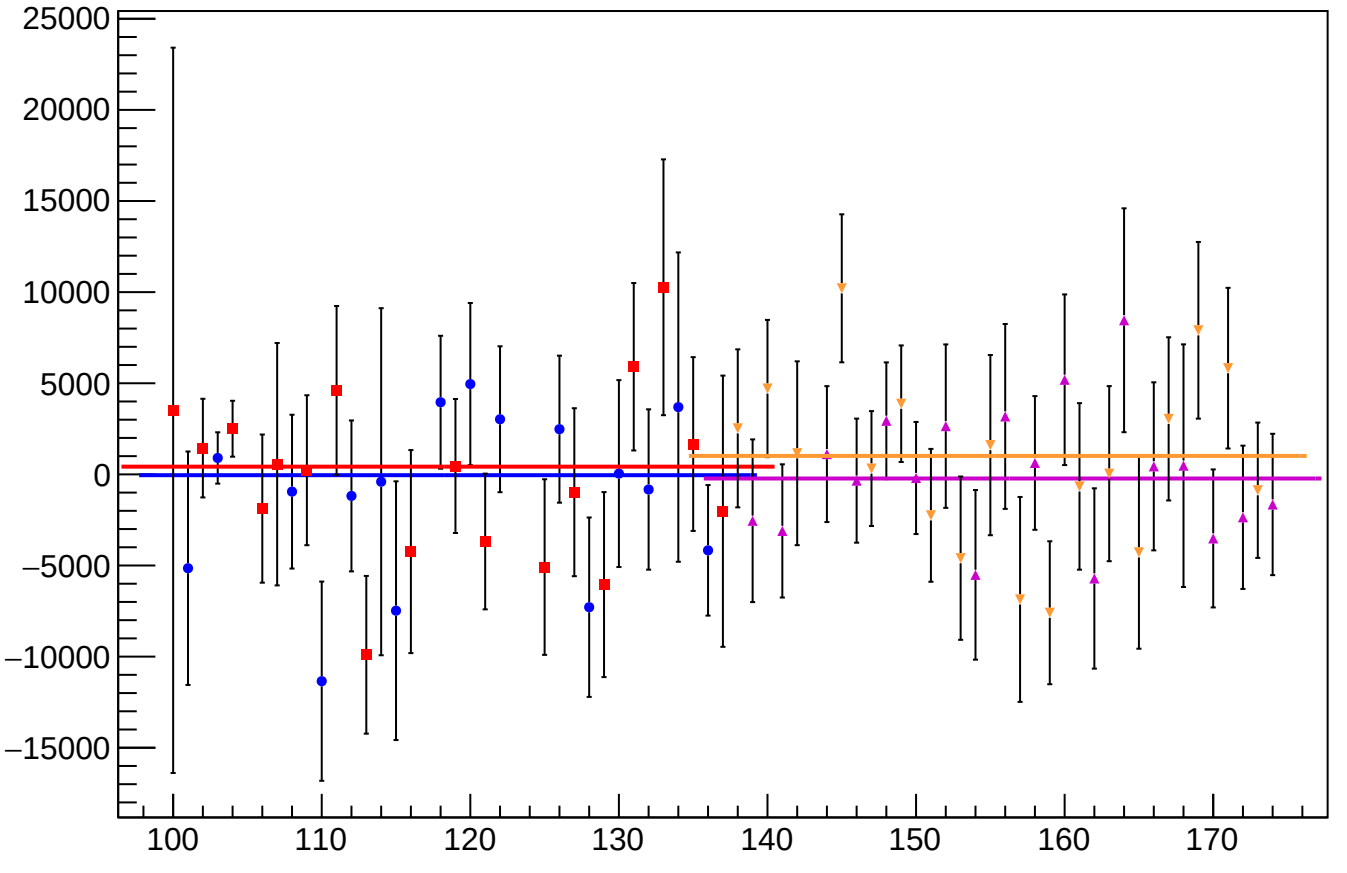
Left: 3615.758+/-0.484 χ^2/NDF: 1772213.1/35

Right: 1458.789+/-0.336 χ^2/NDF: 9549586.1/33

In: 2814.149+/-0.456 χ^2/NDF:5558343.7/33

Out: 1783.044+/-0.346 χ^2/NDF:15933758.3/35

All: 2160.204+/-0.276 χ^2/NDF: 24731679.3/6



Right In: -44.874+/-920.736 χ^2/NDF: 13.7/15

Left Out: 1012.903+/-986.248 χ^2/NDF:21.1/17

Right Out: 423.476+/-896.736 χ^2/NDF: 17.3/17

Left In: -226.936+/-962.719 χ^2/NDF:10.0/17

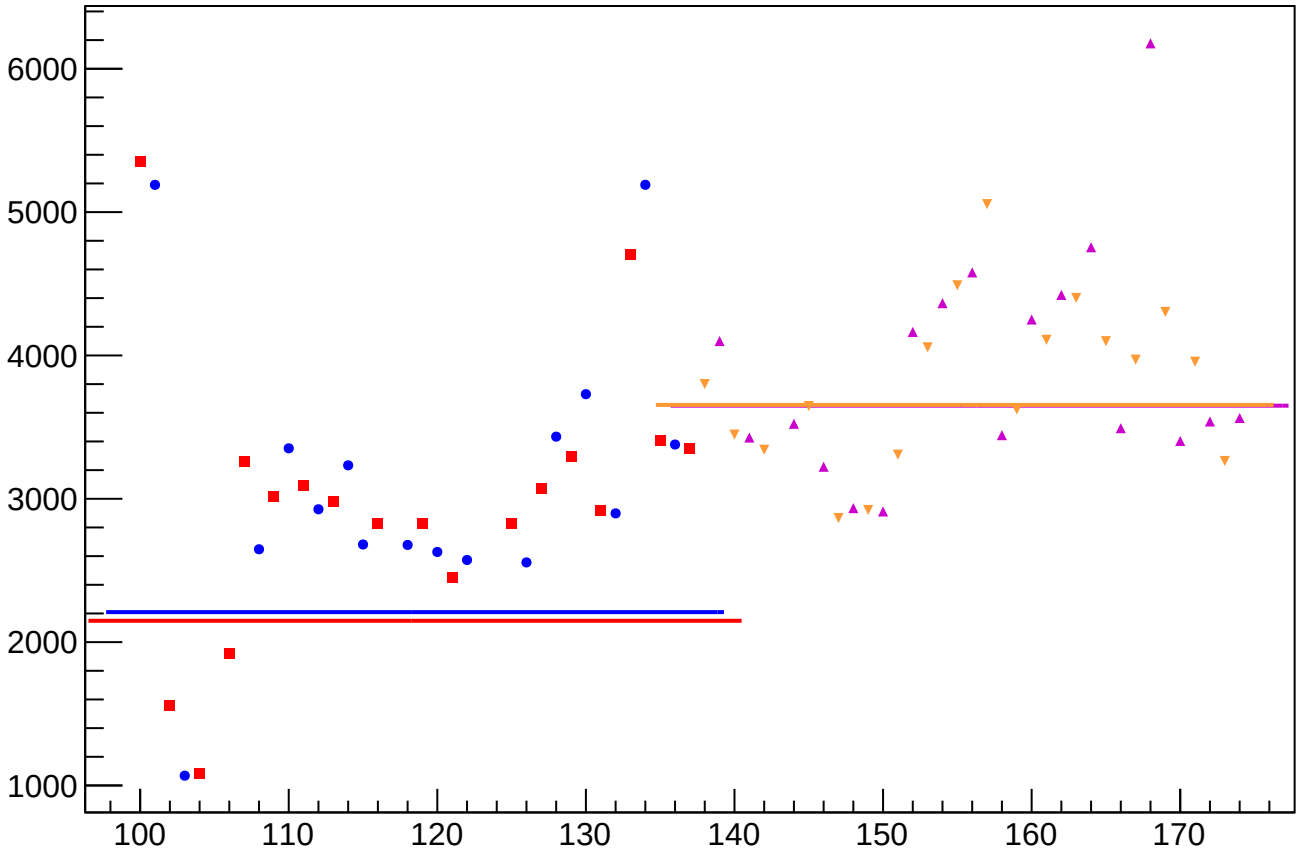
Left: 378.018+/-688.913 χ^2/NDF: 31.9/35

Right: 195.485+/-642.405 χ^2/NDF: 31.2/33

In: -131.849+/-665.406 χ^2/NDF:23.8/33

Out: 690.233+/-663.481 χ^2/NDF:38.6/35

All: 280.382+/-469.831 χ^2/NDF: 63.1/69



Right In: 2209.349+/-0.651 χ^2/NDF: 2836875.7/15

Left Out: 3655.133+/-0.697 χ^2/NDF:621147.2/17

Right Out: 2148.948+/-0.633 χ^2/NDF: 2269660.8/17

Left In: 3649.602+/-0.681 χ^2/NDF:871269.3/17

Left: 3652.301+/-0.487 χ^2/NDF: 1492448.7/35

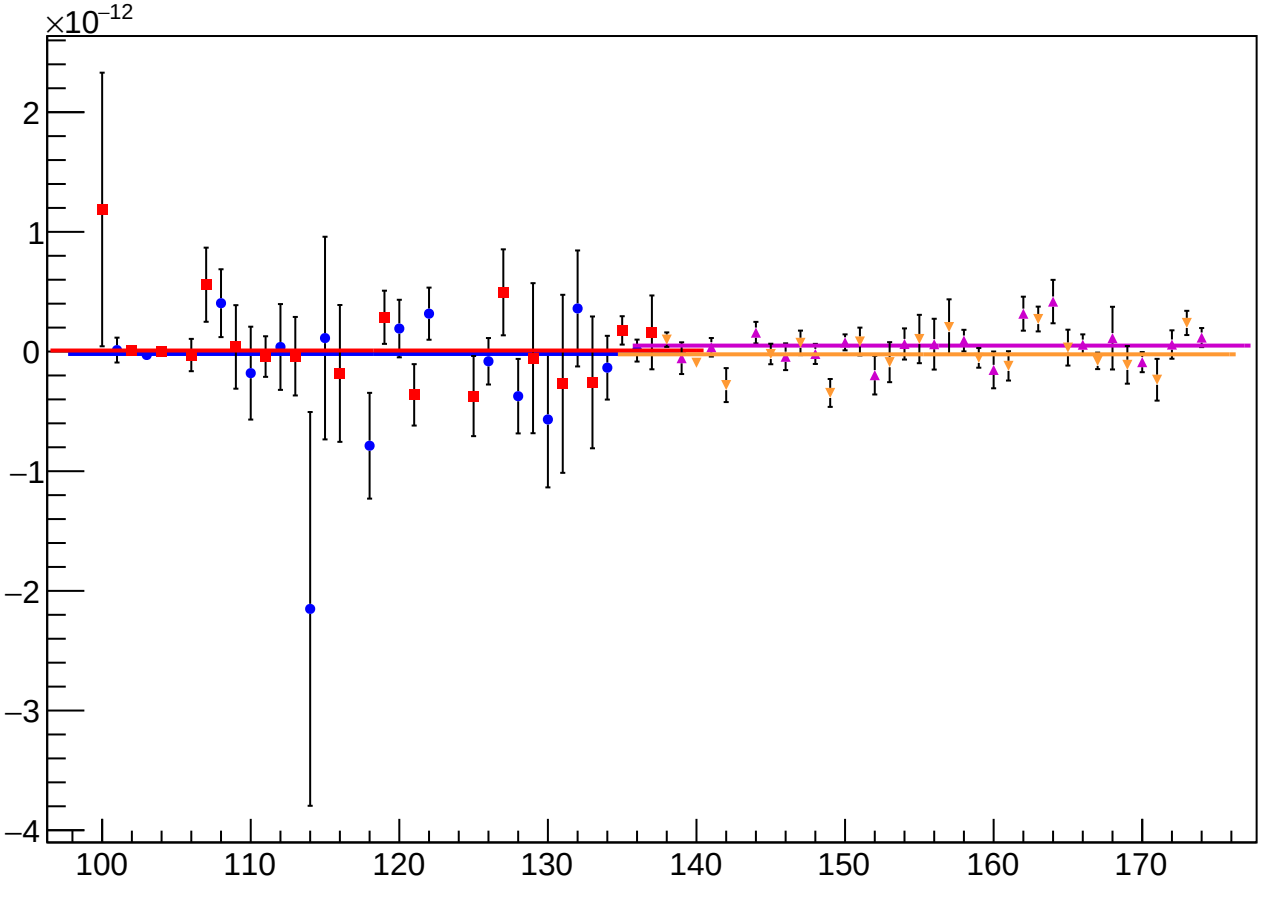
Right: 2178.279+/-0.454 χ^2/NDF: 5110964.0/33

In: 2897.386+/-0.471 χ^2/NDF:6045973.1/33

Out: 2828.815+/-0.469 χ^2/NDF:5449887.4/35

All: 2862.956+/-0.332 χ^2/NDF: 11506524.7/6

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:39.4/17

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

Left In: 0.000+/-0.000 χ^2/NDF:19.1/17

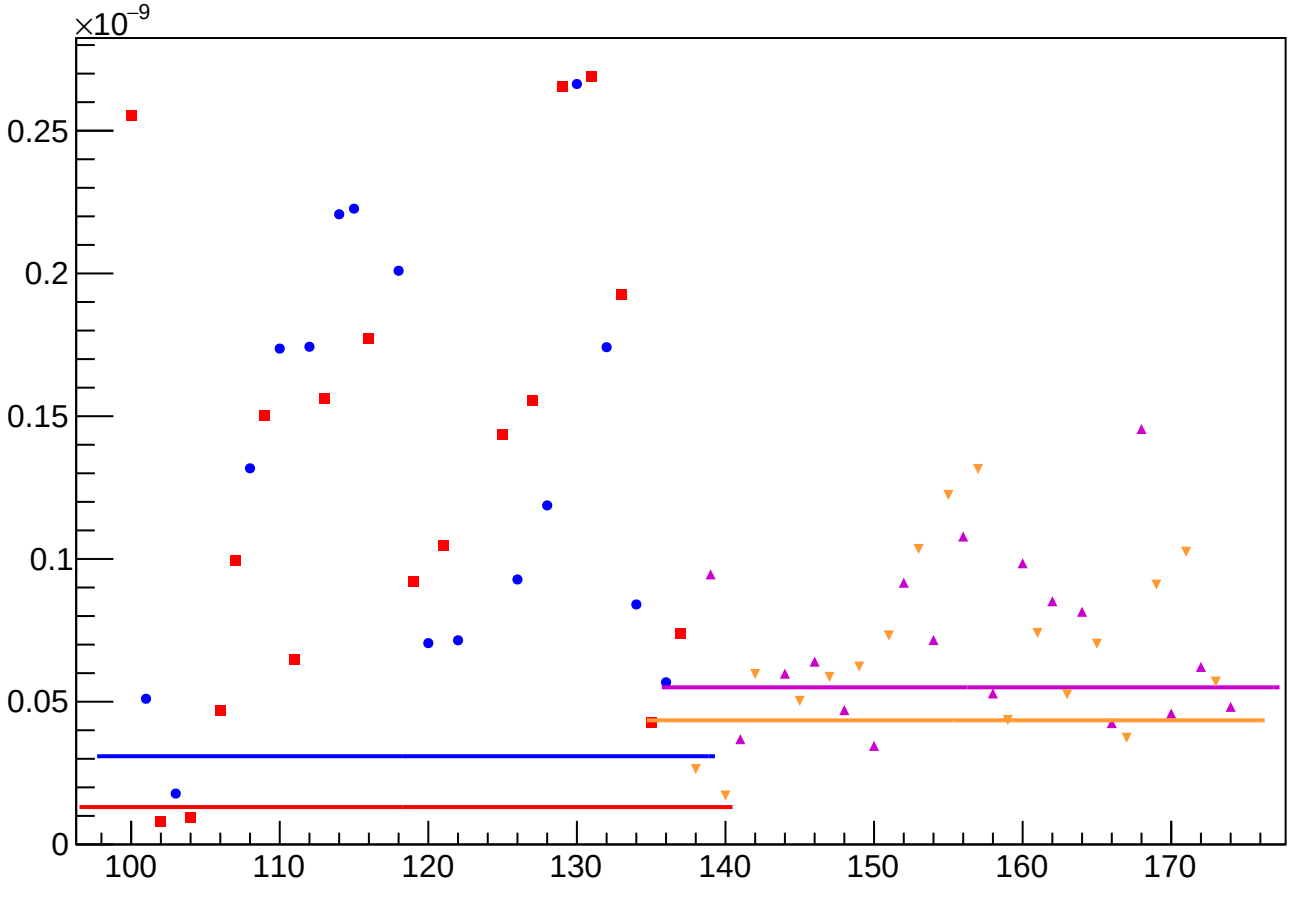
Left: 0.000+/-0.000 χ^2/NDF: 63.5/35

Right: 0.000+/-0.000 χ^2/NDF: 28.7/33

In: 0.000+/-0.000 χ^2/NDF:36.7/33

Out: -0.000+/-0.000 χ^2/NDF:54.9/35

All: 0.000+/-0.000 χ^2/NDF: 92.3/69



Right In: 0.000+/-0.000 χ^2/NDF: 2998577.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:2777390.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3659260.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1394301.3/17

Left: 0.000+/-0.000 χ^2/NDF: 4421657.4/35

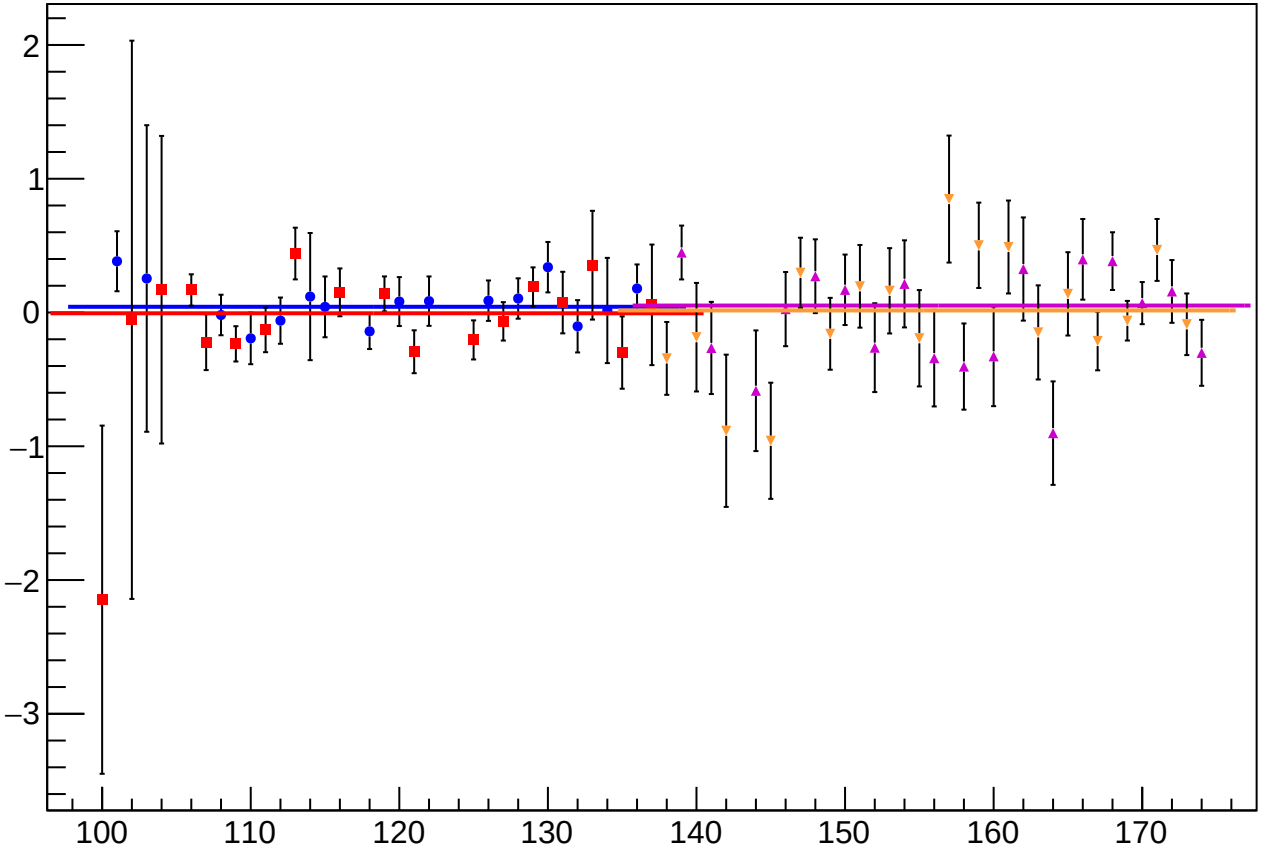
Right: 0.000+/-0.000 χ^2/NDF: 7385142.0/33

In: 0.000+/-0.000 χ^2/NDF:5328250.3/33

Out: 0.000+/-0.000 χ^2/NDF:9094288.3/35

All: 0.000+/-0.000 χ^2/NDF: 16278453.9/69

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

Left: 0.034+/-0.046 χ^2/NDF: 50.6/35

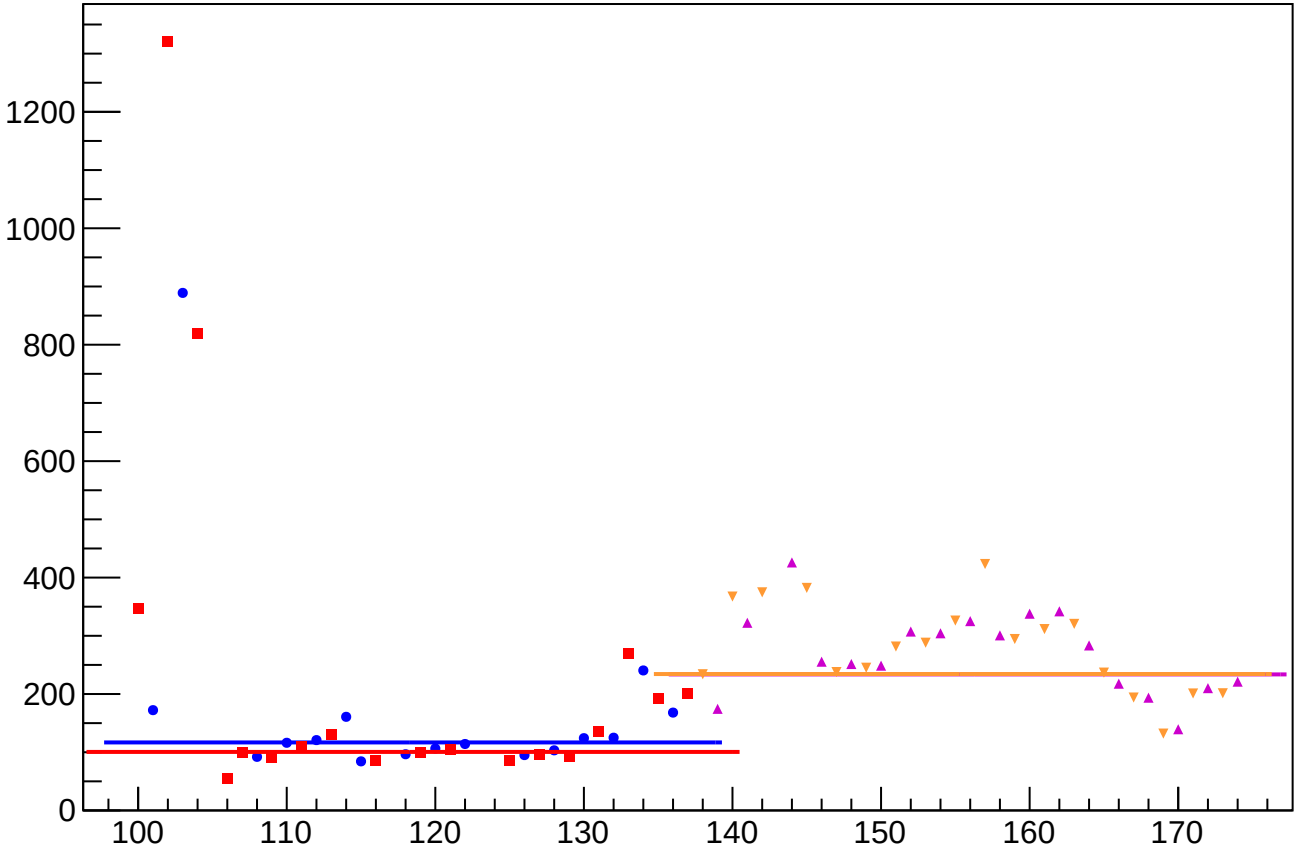
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.022+/-0.026 χ^2/NDF: 87.6/69

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 234.309+/-0.047 χ^2/NDF:2516973.8/17

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

Left: 233.990+/-0.033 χ^2/NDF: 4783349.3/35

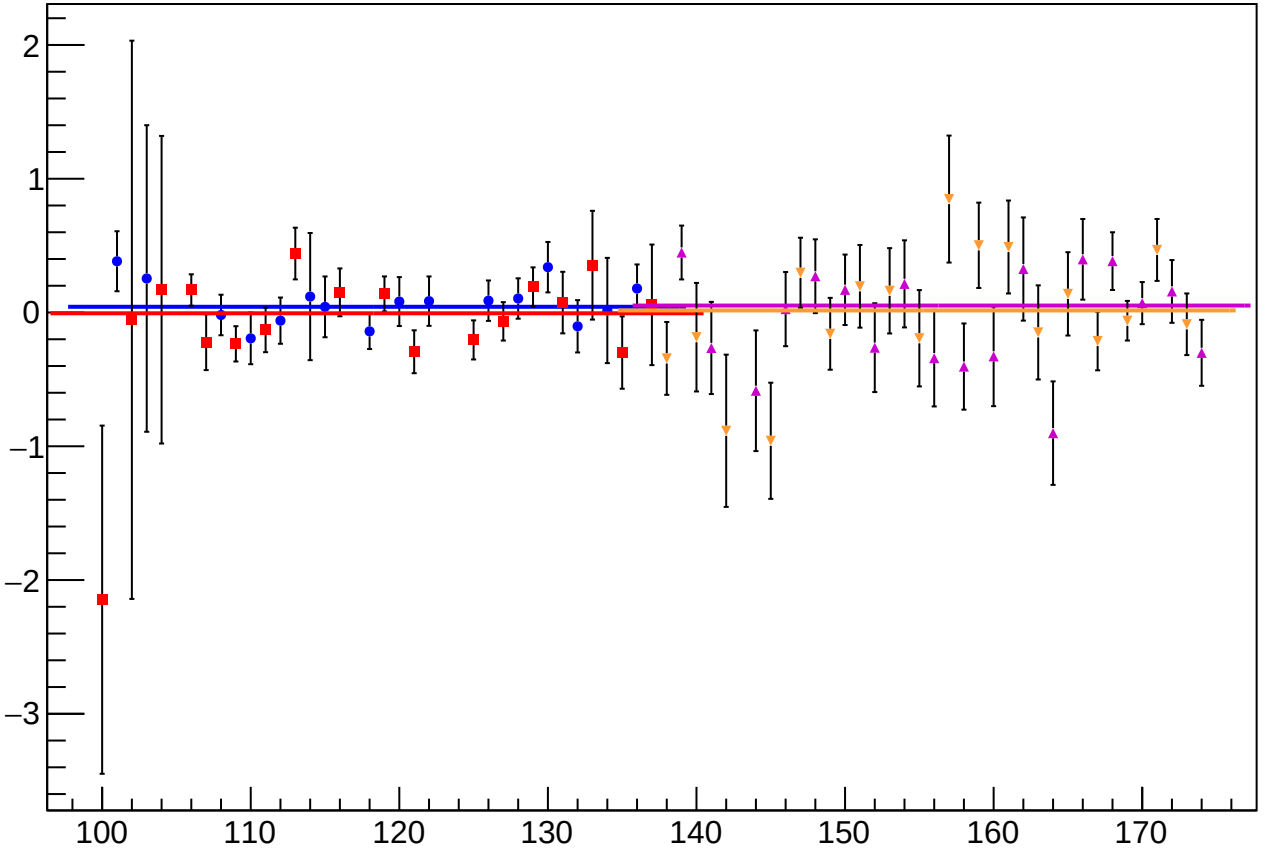
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 158.116+/-0.027 χ^2/NDF:8168381.7/33

Out: 140.850+/-0.026 χ^2/NDF:10911013.5/35

All: 149.040+/-0.019 χ^2/NDF: 19294482.3/69

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

Left: 0.034+/-0.046 χ^2/NDF: 50.6/35

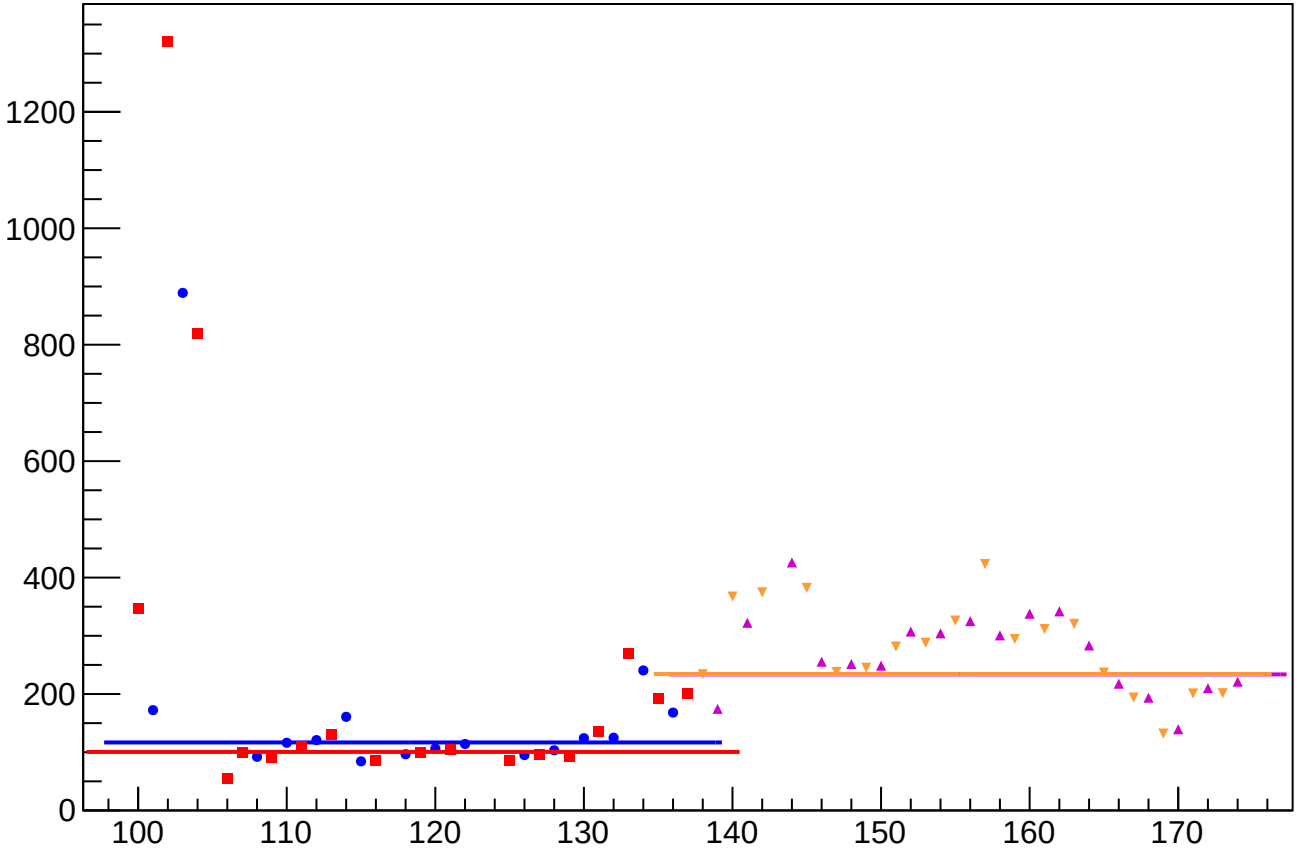
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.022+/-0.026 χ^2/NDF: 87.6/69

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620809.7/15

Left Out: 234.309+/-0.047 χ^2/NDF:2516973.8/17

Right Out: 100.544+/-0.031 χ^2/NDF: 2664151.6/17

Left In: 233.689+/-0.045 χ^2/NDF:2266284.7/17

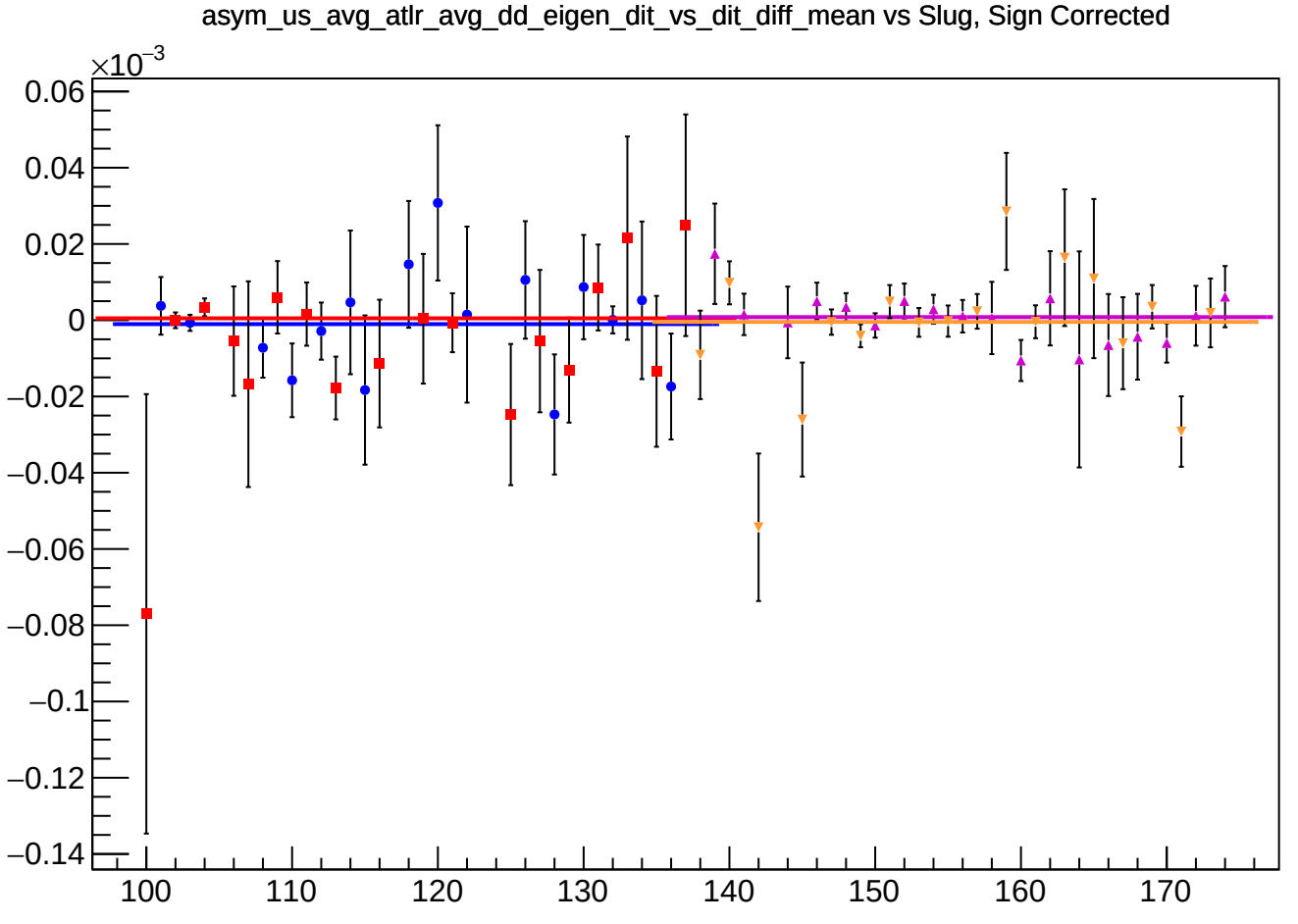
Left: 233.990+/-0.033 χ^2/NDF: 4783349.3/35

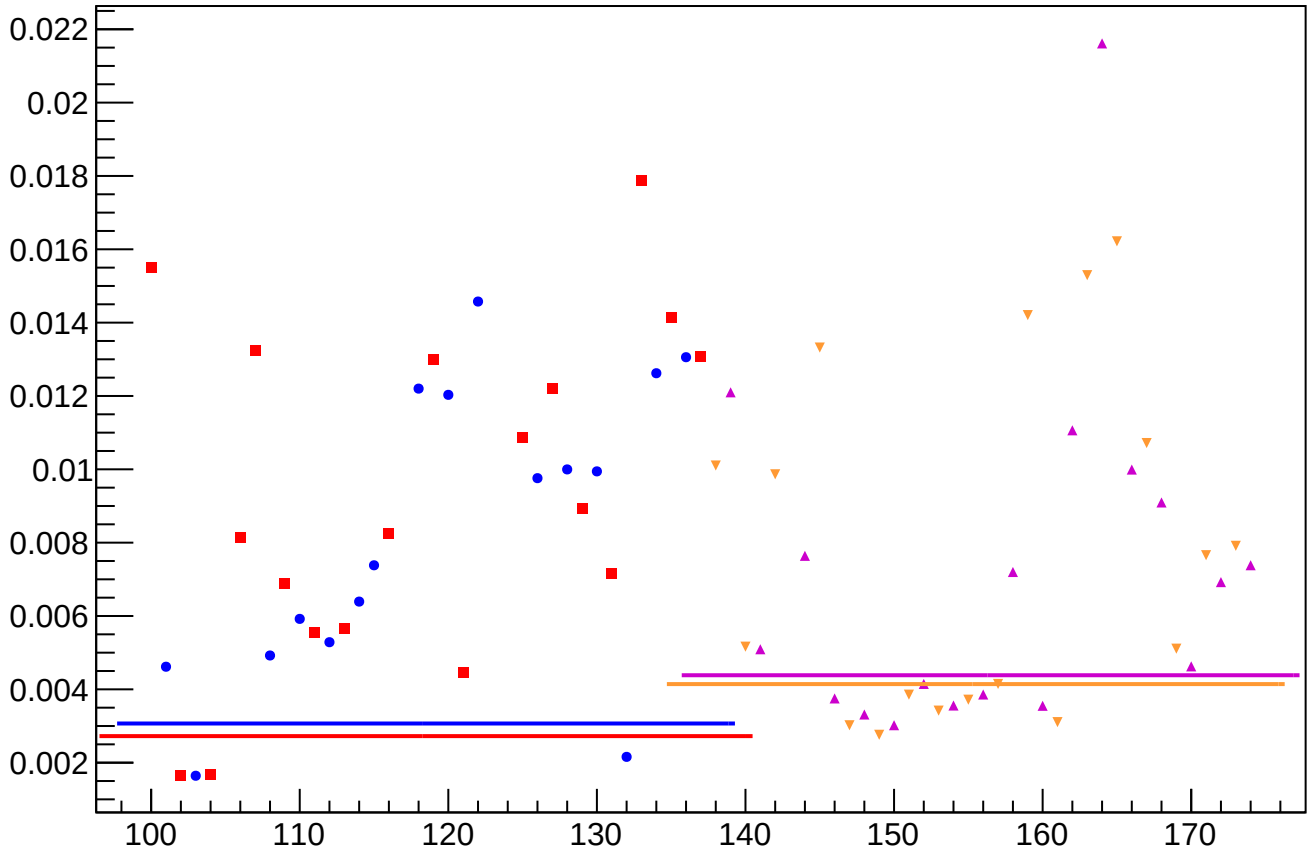
Right: 107.961+/-0.023 χ^2/NDF: 4413433.8/33

In: 158.116+/-0.027 χ^2/NDF:8168381.7/33

Out: 140.850+/-0.026 χ^2/NDF:10911013.5/35

All: 149.040+/-0.019 χ^2/NDF: 19294482.3/69


asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 12.6/15
Left Out: -0.000+/-0.000 χ²/NDF:33.1/17
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/17
Left In: 0.000+/-0.000 χ²/NDF:12.0/17
Left: 0.000+/-0.000 χ²/NDF: 45.5/35
Right: -0.000+/-0.000 χ²/NDF: 28.1/33
In: 0.000+/-0.000 χ²/NDF:25.3/33
Out: -0.000+/-0.000 χ²/NDF:48.4/35
All: 0.000+/-0.000 χ²/NDF: 73.7/69



Right In: 0.003+/-0.000 χ^2/NDF: 5964299.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:5980523.8/17

Right Out: 0.003+/-0.000 χ^2/NDF: 6713699.1/17

Left In: 0.004+/-0.000 χ^2/NDF:4407572.7/17

Left: 0.004+/-0.000 χ^2/NDF: 10422435.8/35

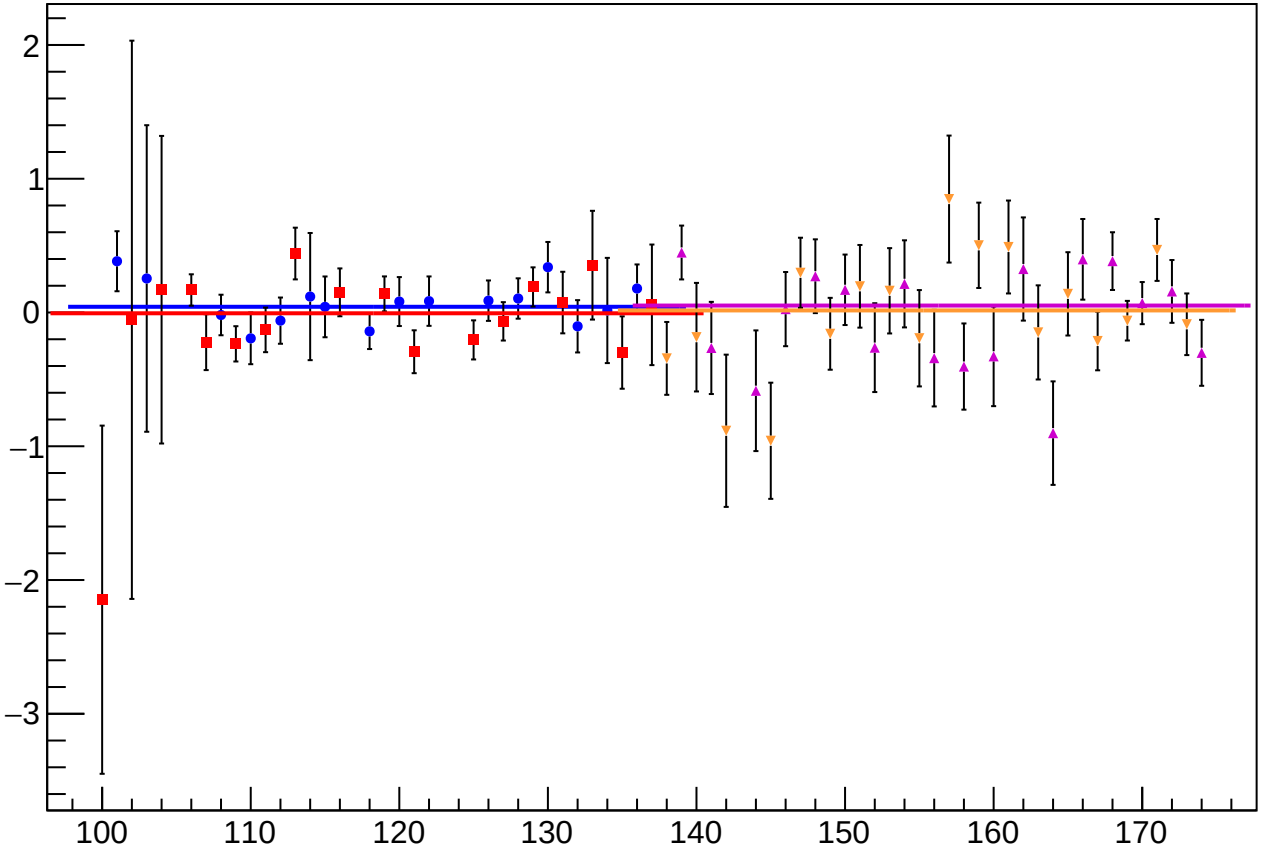
Right: 0.003+/-0.000 χ^2/NDF: 12731216.4/33

In: 0.004+/-0.000 χ^2/NDF:11189404.2/33

Out: 0.003+/-0.000 χ^2/NDF:13809552.7/35

All: 0.004+/-0.000 χ^2/NDF: 25129562.8/69

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

Left: 0.034+/-0.046 χ^2/NDF: 50.6/35

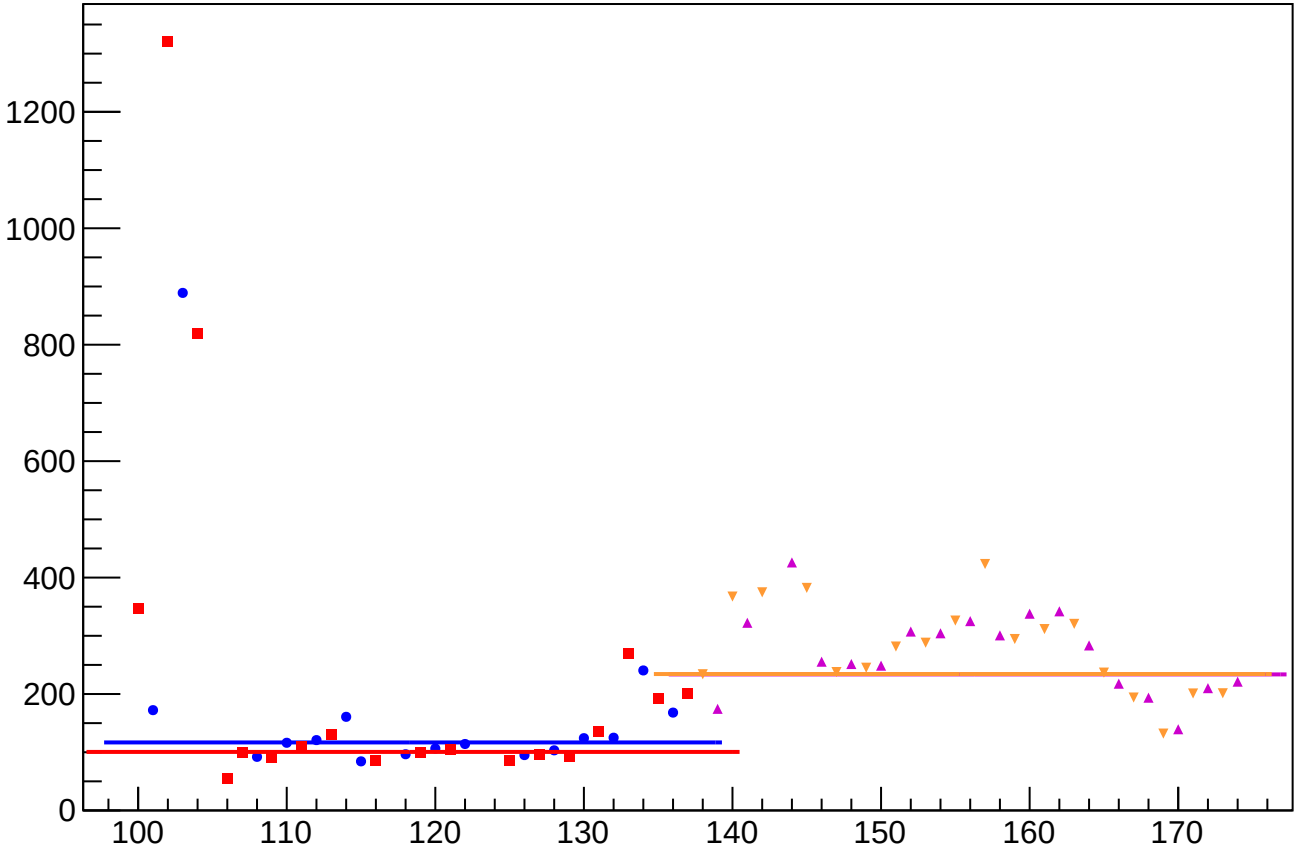
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.022+/-0.026 χ^2/NDF: 87.6/69

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 234.310+/-0.047 χ^2/NDF:2517090.3/17

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

Left: 233.991+/-0.033 χ^2/NDF: 4783494.0/35

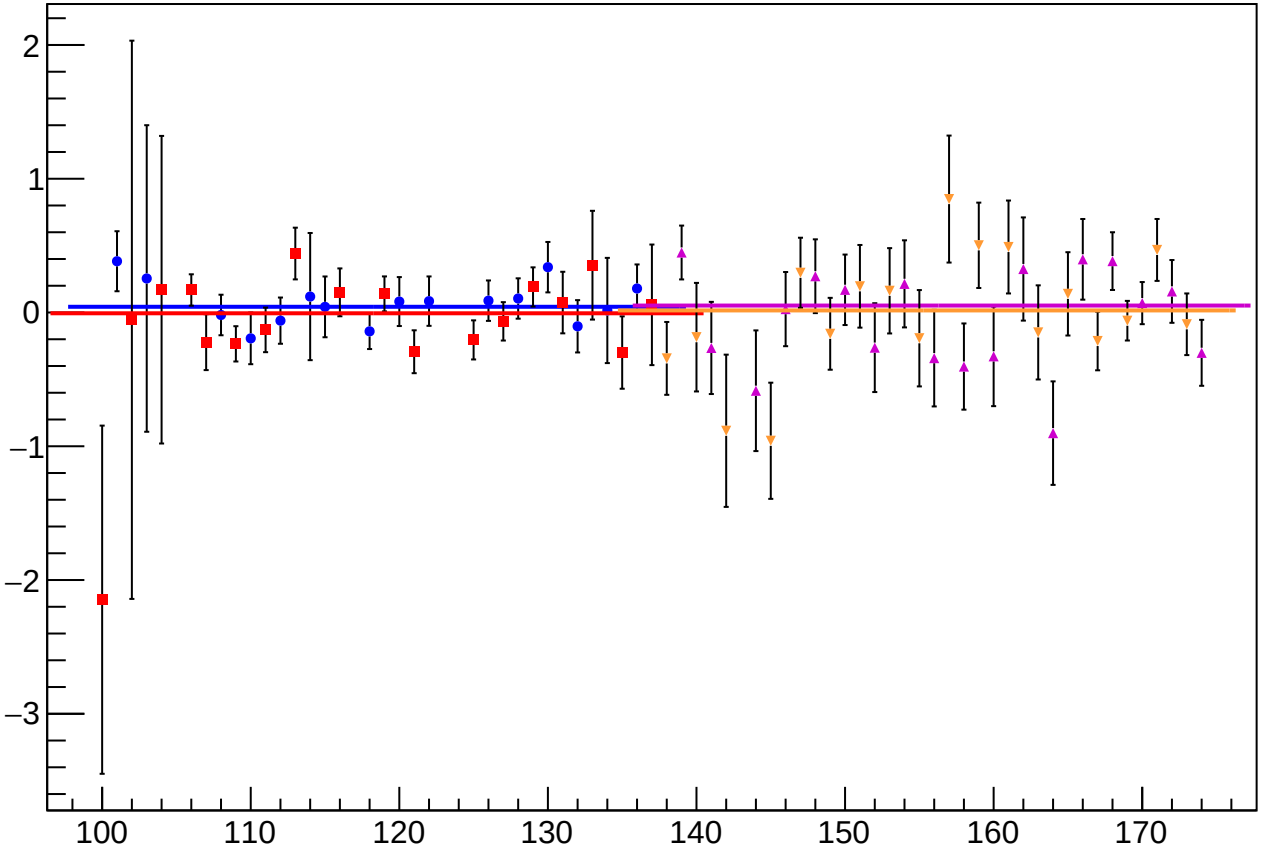
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 158.116+/-0.027 χ^2/NDF:8168487.2/33

Out: 140.849+/-0.026 χ^2/NDF:10911309.2/35

All: 149.039+/-0.019 χ^2/NDF: 19294911.9/69

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.047 χ^2/NDF: 10.3/15

Left Out: 0.016+/-0.066 χ^2/NDF:25.0/17

Right Out: -0.006+/-0.043 χ^2/NDF: 26.0/17

Left In: 0.052+/-0.064 χ^2/NDF:25.5/17

Left: 0.034+/-0.046 χ^2/NDF: 50.6/35

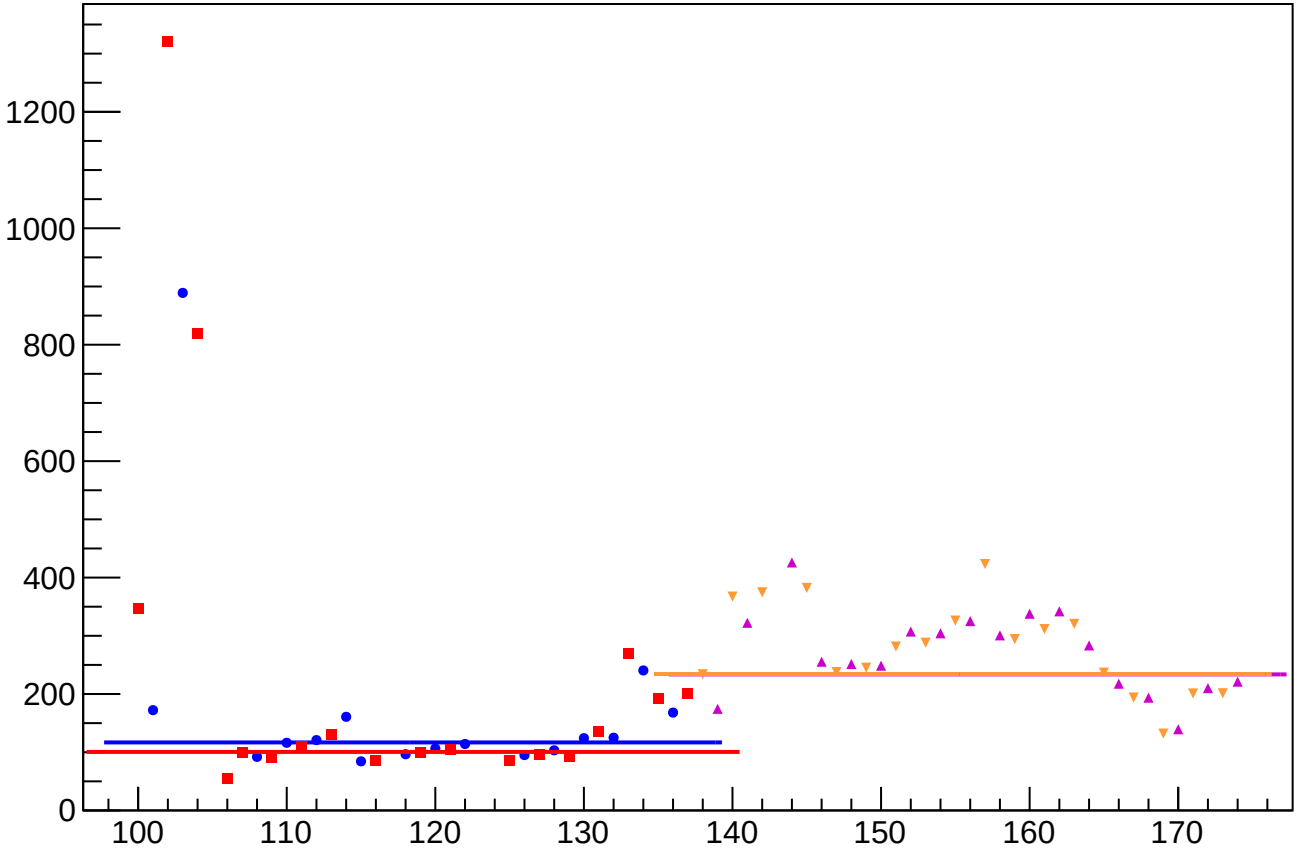
Right: 0.016+/-0.032 χ^2/NDF: 36.9/33

In: 0.046+/-0.038 χ^2/NDF:35.7/33

Out: 0.001+/-0.036 χ^2/NDF:51.1/35

All: 0.022+/-0.026 χ^2/NDF: 87.6/69

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 116.841+/-0.034 χ^2/NDF: 1620812.6/15

Left Out: 234.310+/-0.047 χ^2/NDF:2517090.3/17

Right Out: 100.543+/-0.031 χ^2/NDF: 2664231.9/17

Left In: 233.690+/-0.045 χ^2/NDF:2266313.2/17

Left: 233.991+/-0.033 χ^2/NDF: 4783494.0/35

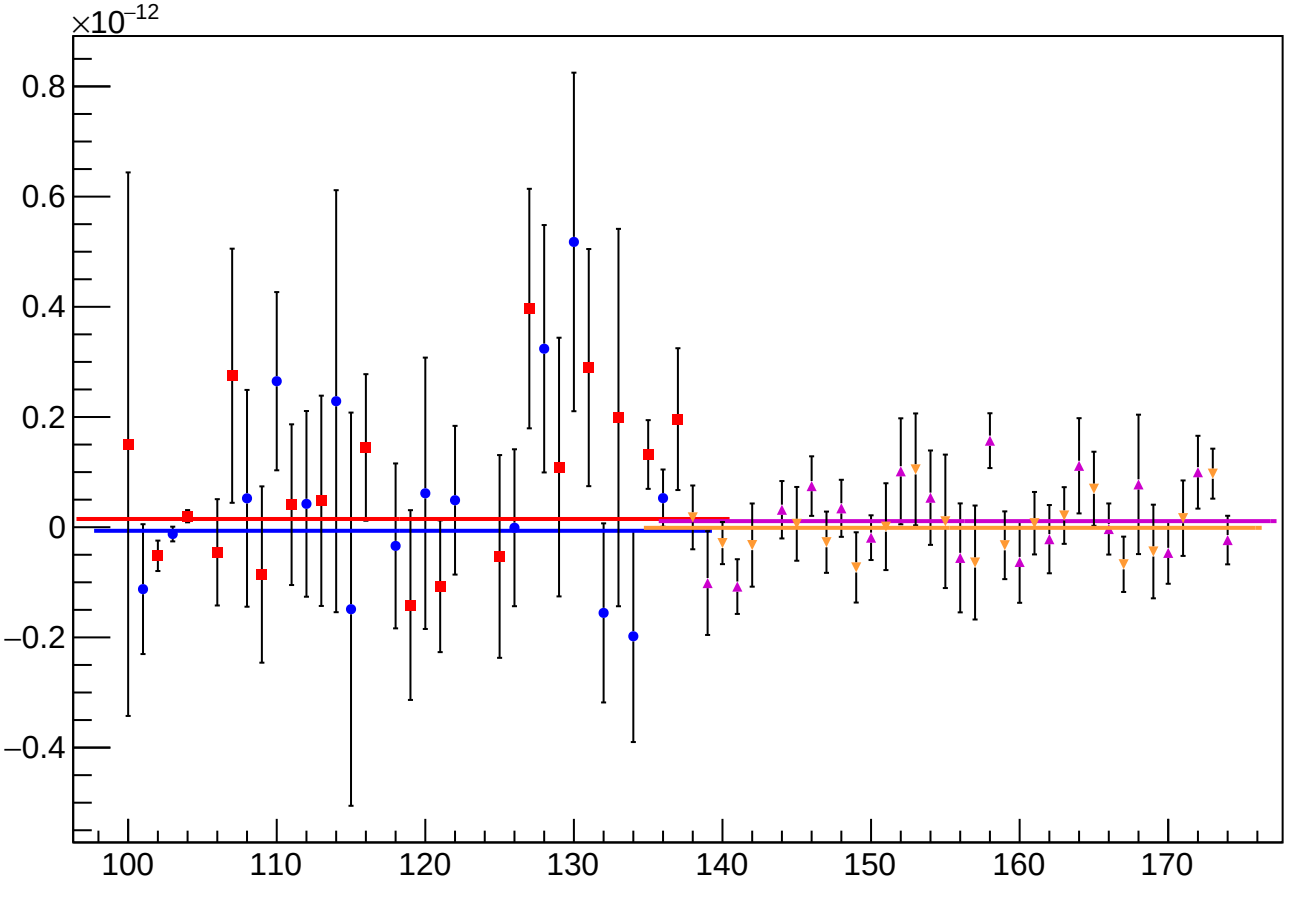
Right: 107.960+/-0.023 χ^2/NDF: 4413531.7/33

In: 158.116+/-0.027 χ^2/NDF:8168487.2/33

Out: 140.849+/-0.026 χ^2/NDF:10911309.2/35

All: 149.039+/-0.019 χ^2/NDF: 19294911.9/69

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:12.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 21.9/17

Left In: 0.000+/-0.000 χ^2/NDF:26.1/17

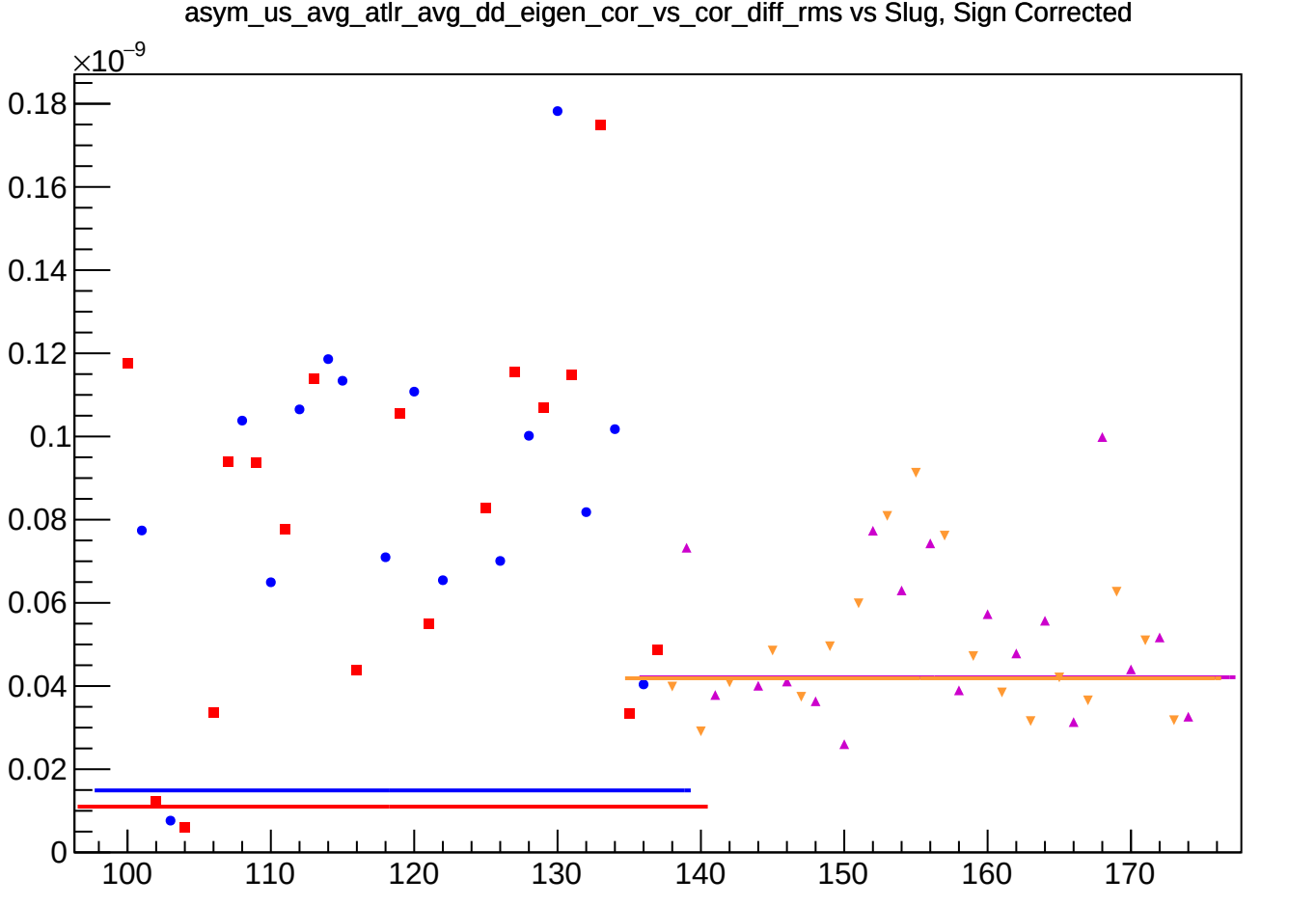
Left: 0.000+/-0.000 χ^2/NDF: 38.6/35

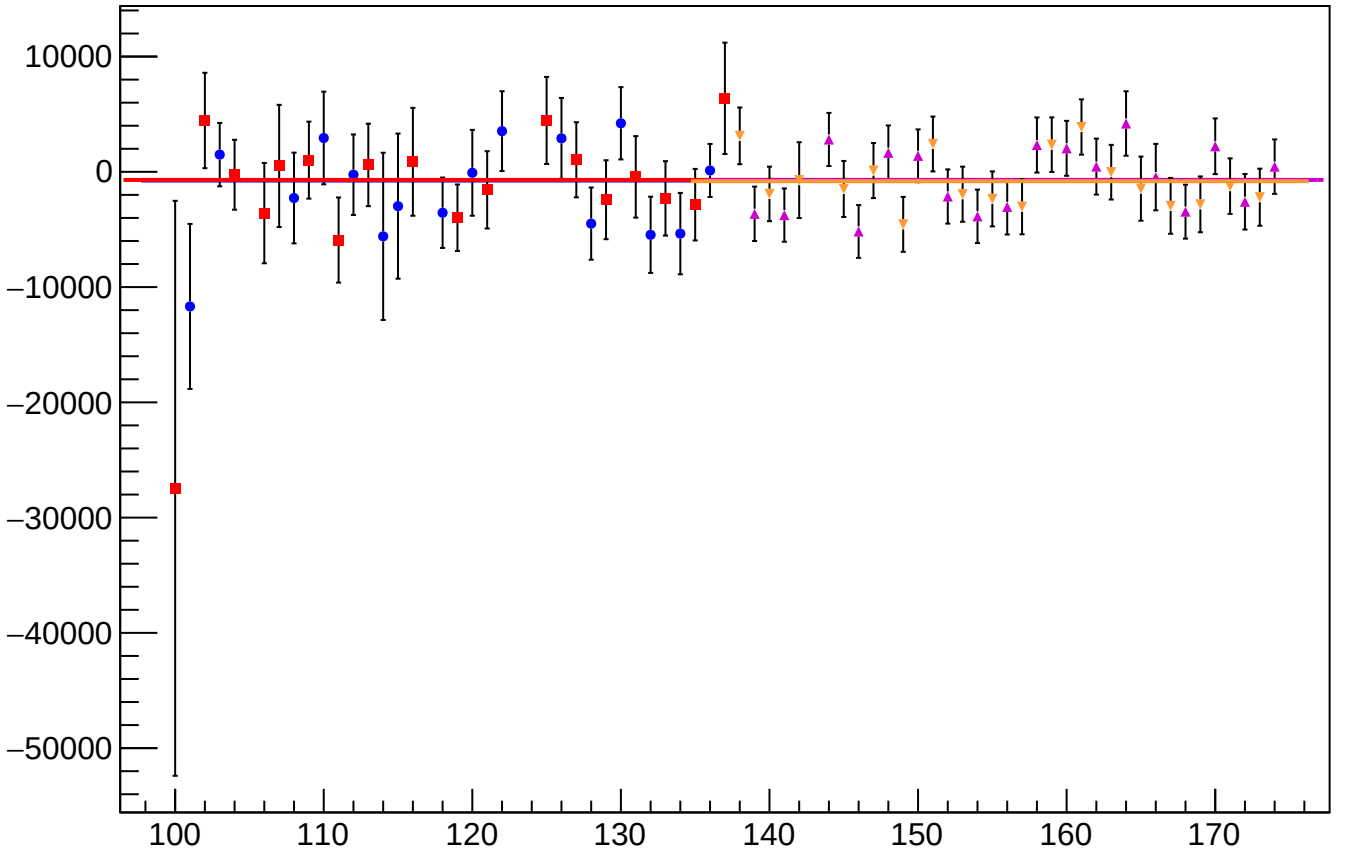
Right: 0.000+/-0.000 χ^2/NDF: 36.7/33

In: 0.000+/-0.000 χ^2/NDF:40.0/33

Out: 0.000+/-0.000 χ^2/NDF:34.9/35

All: 0.000+/-0.000 χ^2/NDF: 75.4/69


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 5893030.9/15
Left Out: 0.000+/-0.000 χ²/NDF:1619689.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 5866969.2/17
Left In: 0.000+/-0.000 χ²/NDF:1995450.2/17
Left: 0.000+/-0.000 χ²/NDF: 3615441.0/35
Right: 0.000+/-0.000 χ²/NDF: 11880361.2/33
In: 0.000+/-0.000 χ²/NDF:12112522.1/33
Out: 0.000+/-0.000 χ²/NDF:13698318.8/35
All: 0.000+/-0.000 χ²/NDF: 26304788.7/69



Right In: -754.291+/-872.652 χ^2/NDF: 15.9/15

Left Out: -814.326+/-577.854 χ^2/NDF:16.4/17

Right Out: -702.198+/-868.647 χ^2/NDF: 12.4/17

Left In: -698.112+/-565.492 χ^2/NDF:24.3/17

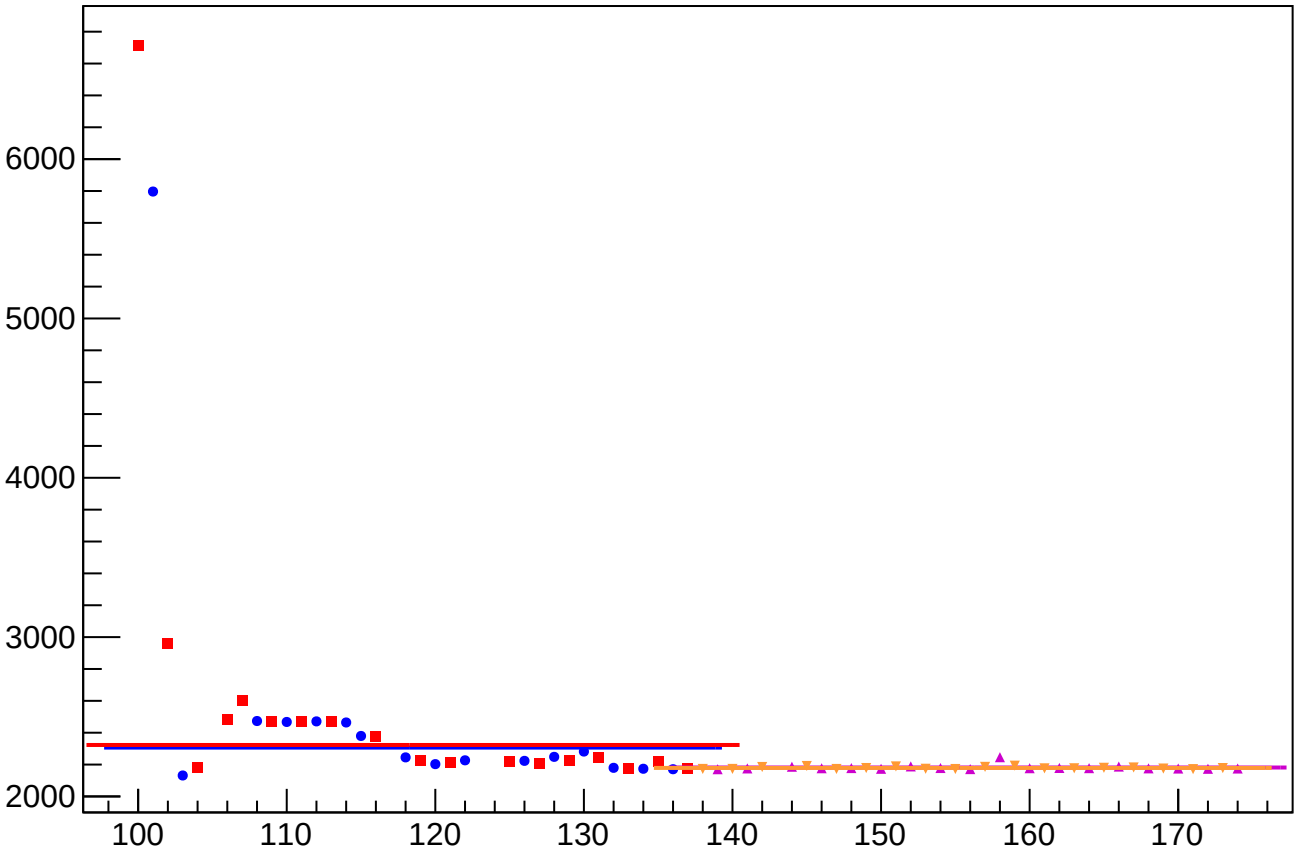
Left: -754.962+/-404.163 χ^2/NDF: 40.8/35

Right: -728.125+/-615.637 χ^2/NDF: 28.2/33

In: -714.726+/-474.563 χ^2/NDF:40.2/33

Out: -779.927+/-481.121 χ^2/NDF:28.8/35

All: -746.879+/-337.861 χ^2/NDF: 69.0/69



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.3/15

Left Out: 2178.960+/-0.409 χ^2/NDF:274.5/17

Right Out: 2323.010+/-0.614 χ^2/NDF: 151787.1/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

Left: 2180.269+/-0.286 χ^2/NDF: 1994.2/35

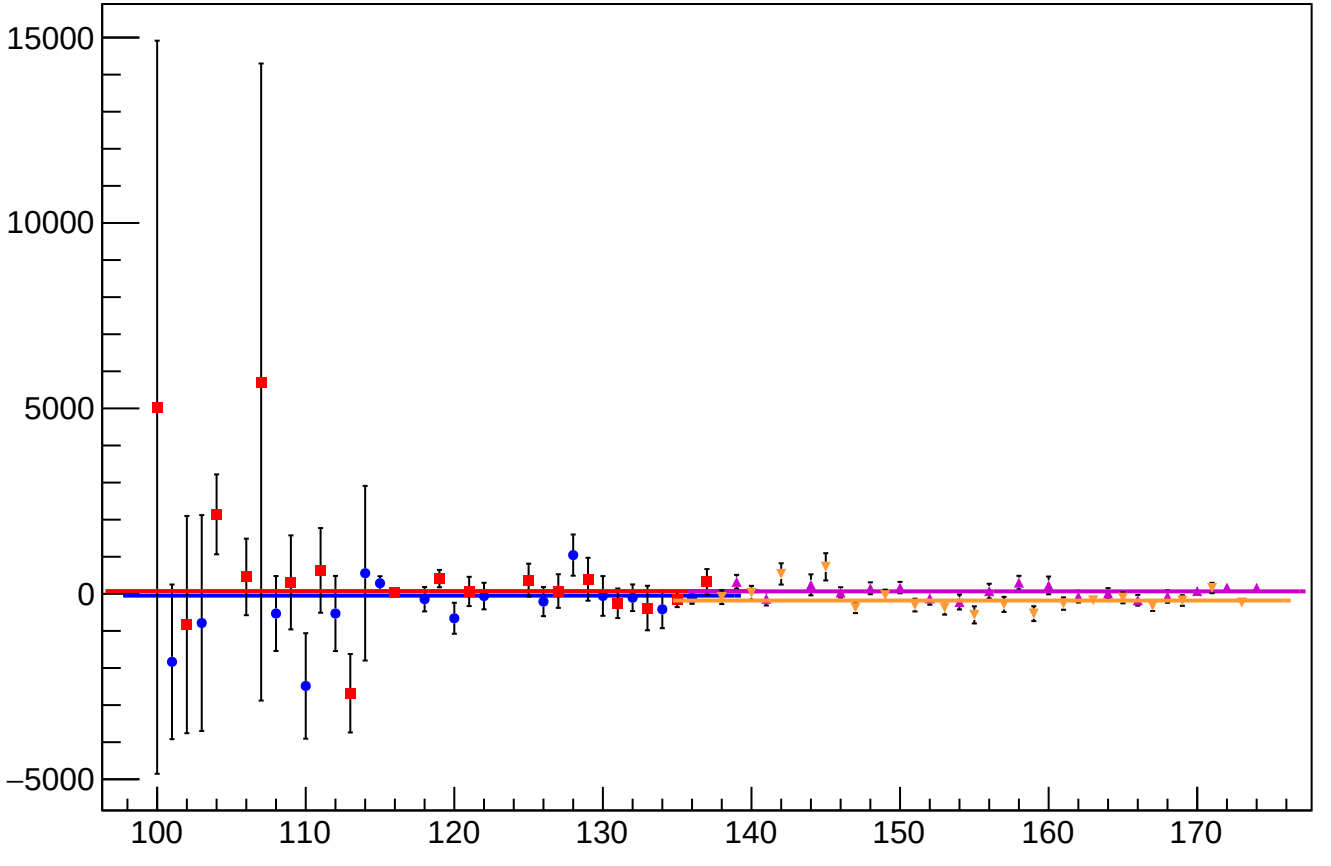
Right: 2314.864+/-0.435 χ^2/NDF: 666290.7/33

In: 2218.525+/-0.336 χ^2/NDF:544806.4/33

Out: 2223.152+/-0.340 χ^2/NDF:190189.7/35

All: 2220.807+/-0.239 χ^2/NDF: 735089.8/69

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -47.927+/-90.914 χ^2/NDF: 14.4/15

Left Out: -180.849+/-38.829 χ^2/NDF:31.7/17

Right Out: 74.200+/-82.384 χ^2/NDF: 17.6/17

Left In: 66.874+/-36.930 χ^2/NDF:15.5/17

Left: -50.781+/-26.760 χ^2/NDF: 68.6/35

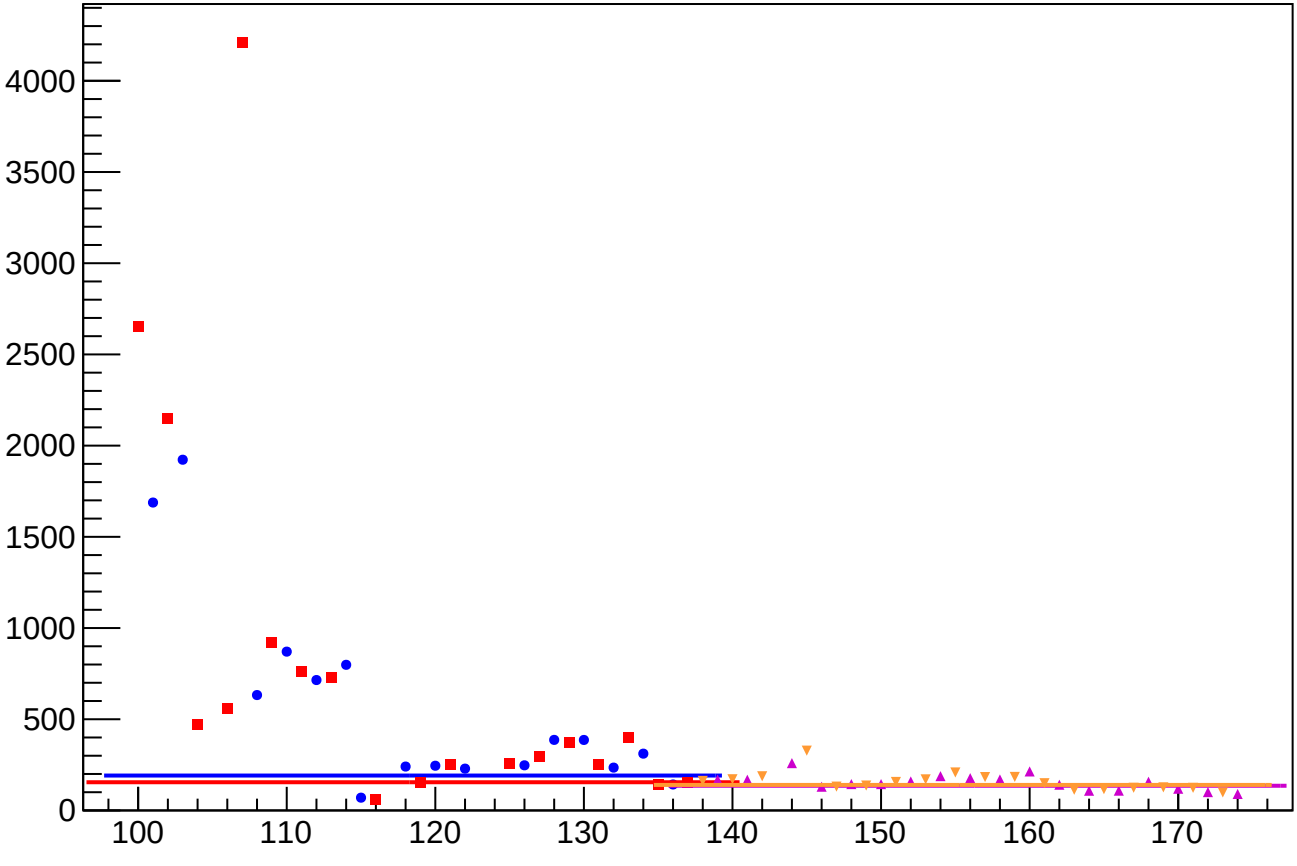
Right: 19.134+/-61.048 χ^2/NDF: 33.0/33

In: 50.614+/-34.215 χ^2/NDF:31.3/33

Out: -134.490+/-35.123 χ^2/NDF:57.2/35

All: -39.512+/-24.508 χ^2/NDF: 102.7/69

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 191.381+/-0.064 χ^2/NDF: 5064747.7/15

Left Out: 139.960+/-0.027 χ^2/NDF:1564344.8/17

Right Out: 154.677+/-0.058 χ^2/NDF: 6154285.9/17

Left In: 135.401+/-0.026 χ^2/NDF:1865418.4/17

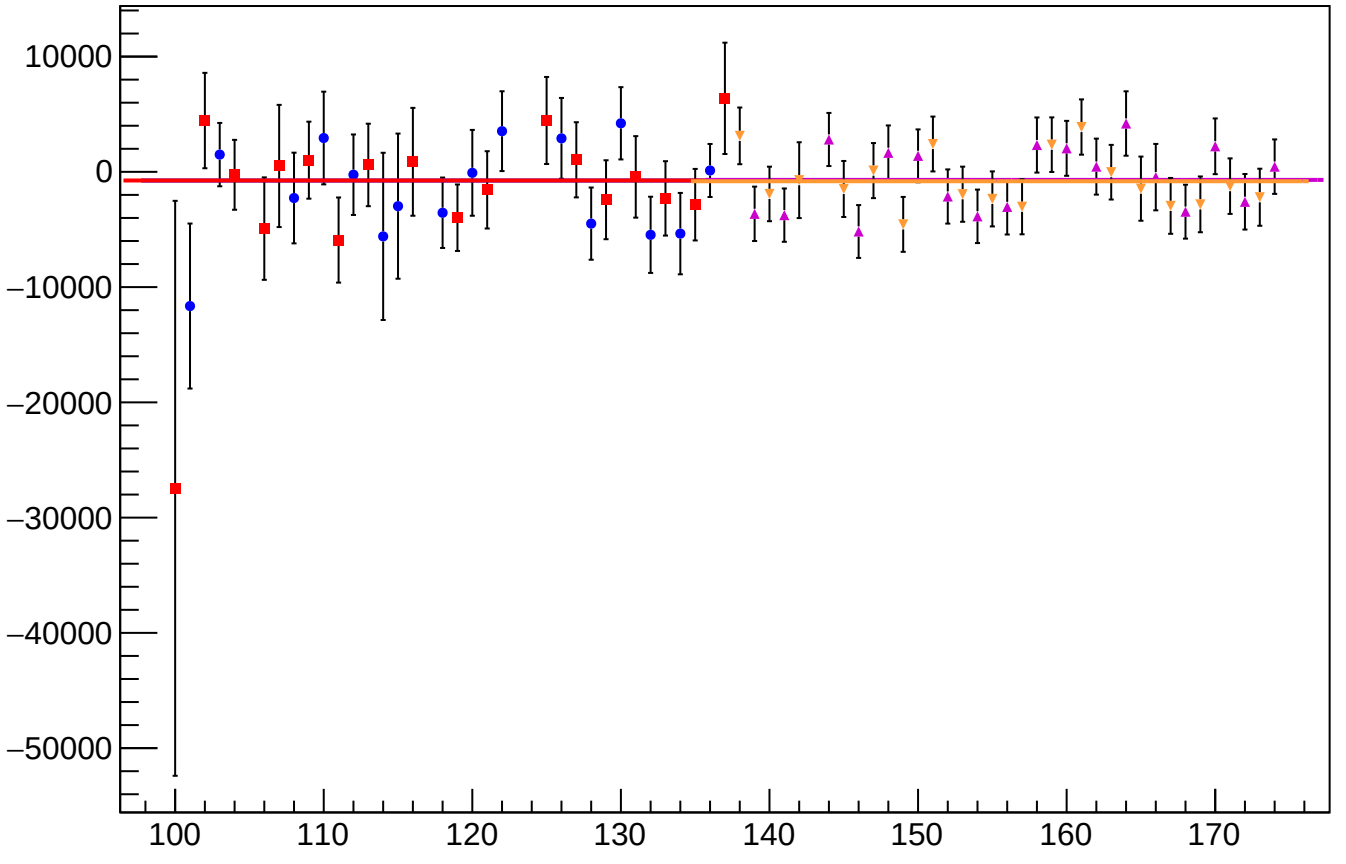
Left: 137.566+/-0.019 χ^2/NDF: 3444235.1/35

Right: 171.226+/-0.043 χ^2/NDF: 11398031.5/33

In: 143.330+/-0.024 χ^2/NDF:7581032.6/33

Out: 142.635+/-0.025 χ^2/NDF:7770853.0/35

All: 142.991+/-0.017 χ^2/NDF: 15352287.5/69



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -814.300+/-577.854 χ^2/NDF:16.4/17

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -698.060+/-565.492 χ^2/NDF:24.3/17

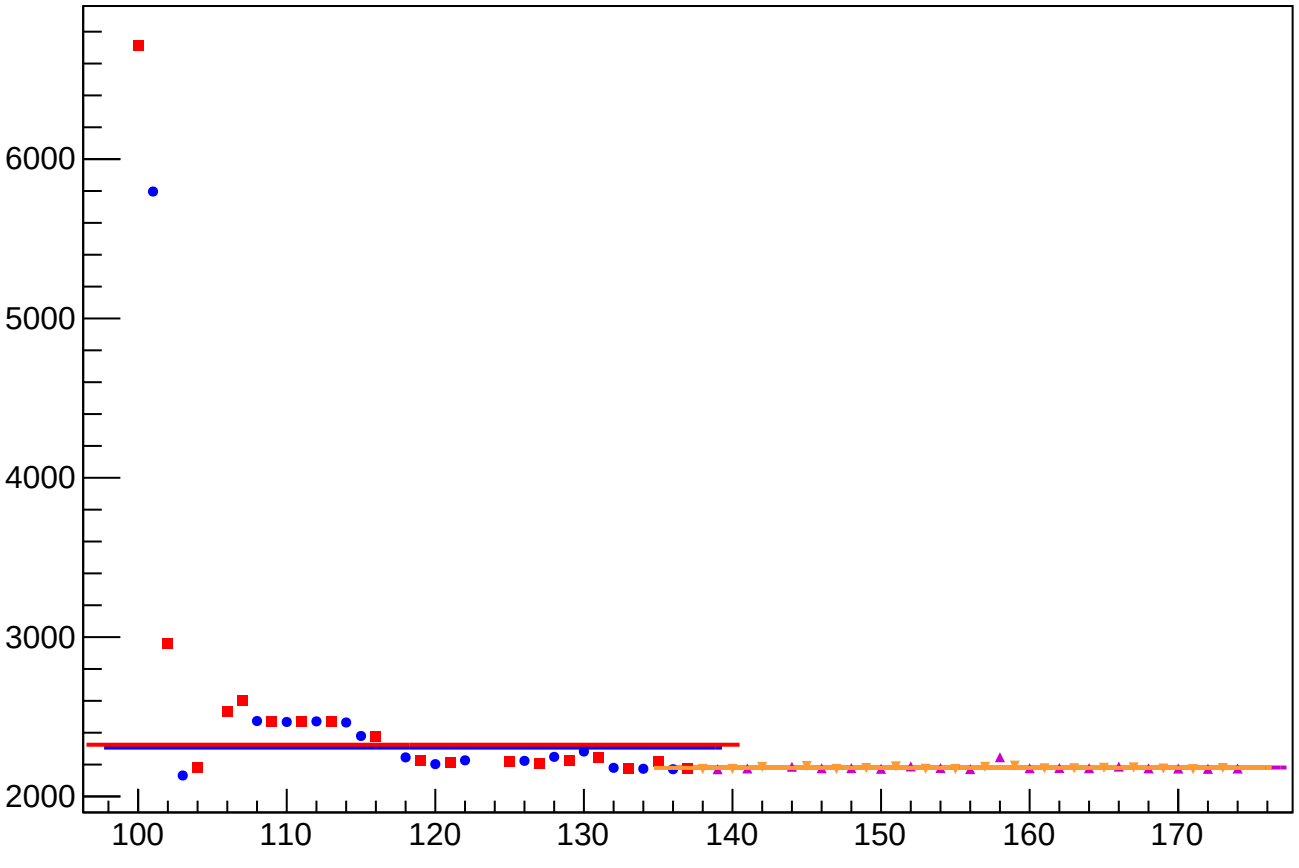
Left: -754.924+/-404.163 χ^2/NDF: 40.8/35

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -714.403+/-474.563 χ^2/NDF:40.2/33

Out: -794.388+/-481.243 χ^2/NDF:29.2/35

All: -753.836+/-337.904 χ^2/NDF: 69.5/69



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.960+/-0.409 χ^2/NDF:274.5/17

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

Left: 2180.269+/-0.286 χ^2/NDF: 1994.2/35

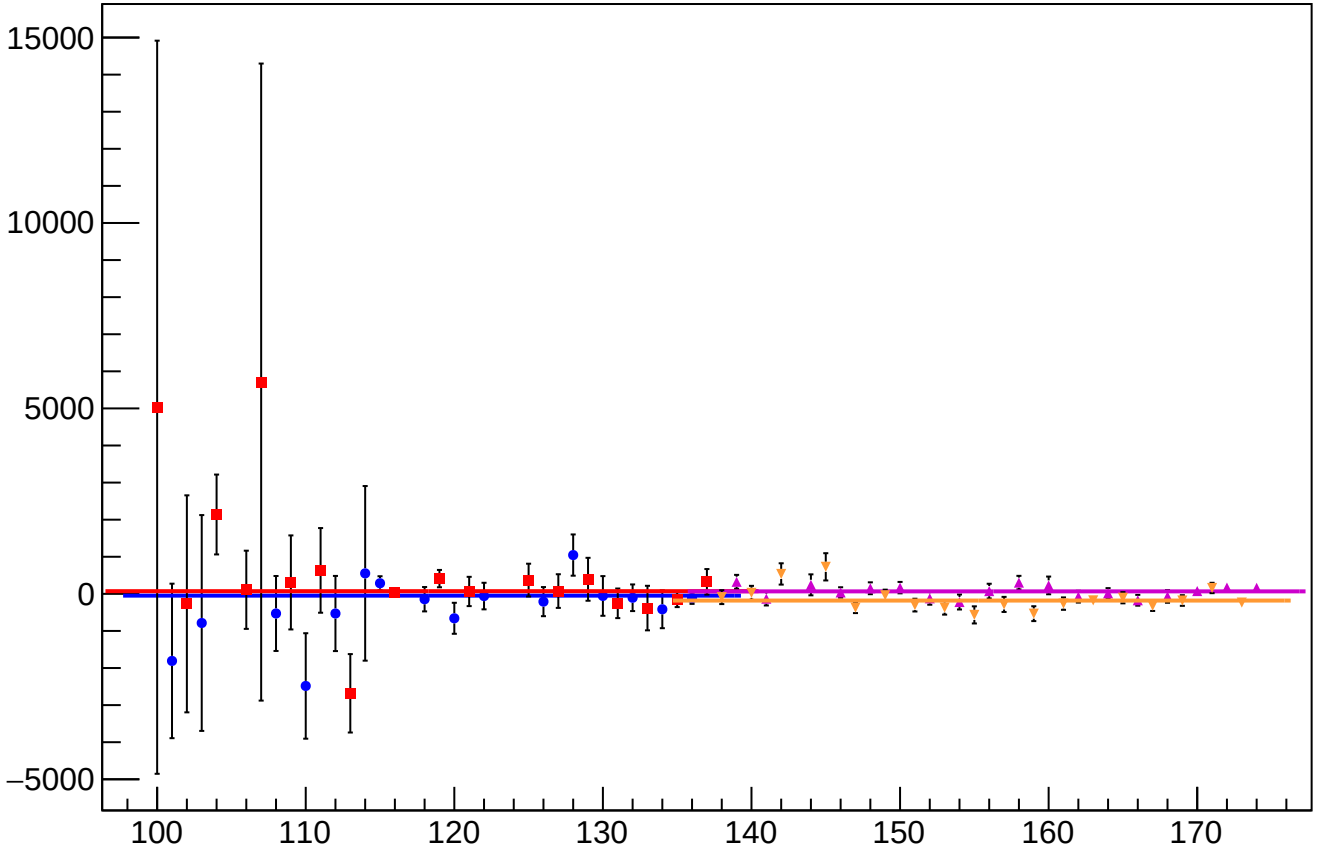
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2218.525+/-0.336 χ^2/NDF:544806.7/33

Out: 2223.614+/-0.340 χ^2/NDF:192827.8/35

All: 2221.034+/-0.239 χ^2/NDF: 737748.0/69

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -180.825+/-38.831 χ^2/NDF:31.7/17

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 66.832+/-36.932 χ^2/NDF:15.5/17

Left: -50.791+/-26.761 χ^2/NDF: 68.6/35

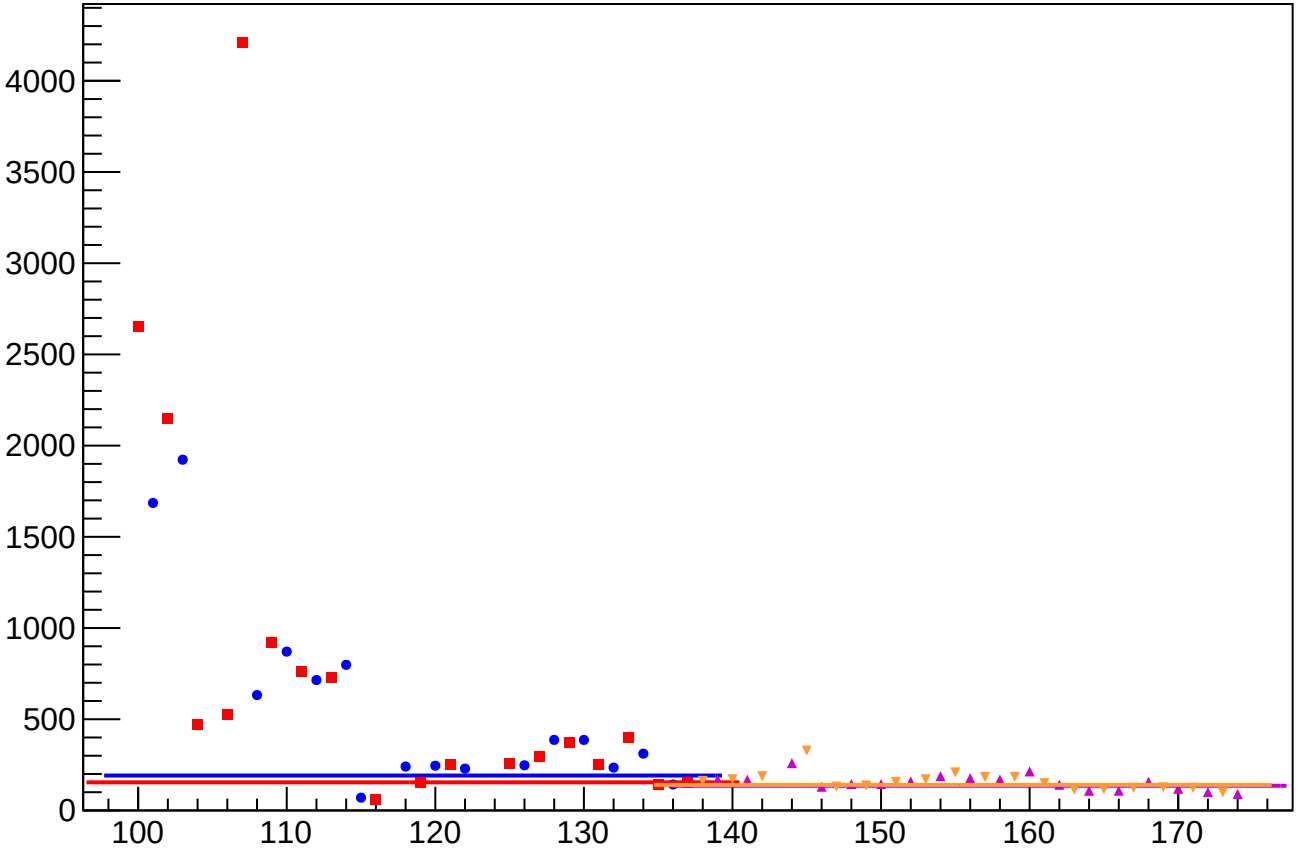
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.574+/-34.217 χ^2/NDF:31.2/33

Out: -134.773+/-35.120 χ^2/NDF:56.8/35

All: -39.685+/-24.508 χ^2/NDF: 102.4/69

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 139.969+/-0.027 χ^2/NDF:1563873.4/17

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

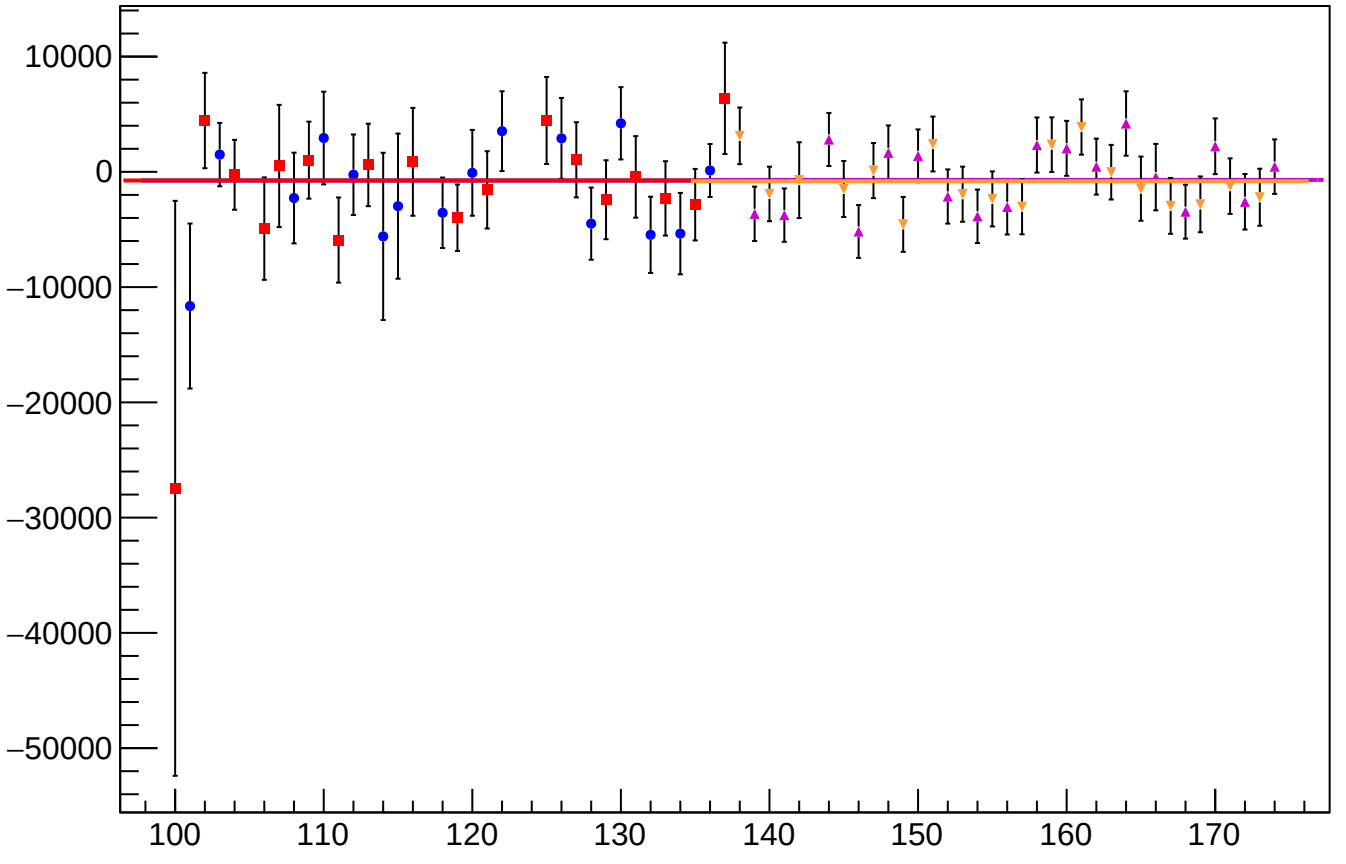
Left: 137.575+/-0.019 χ^2/NDF: 3444103.9/35

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 143.340+/-0.024 χ^2/NDF:7580521.6/33

Out: 142.545+/-0.025 χ^2/NDF:7720887.0/35

All: 142.953+/-0.017 χ^2/NDF: 15301935.0/69



Right In: -753.322+/-872.653 χ^2/NDF: 15.9/15

Left Out: -814.300+/-577.854 χ^2/NDF:16.4/17

Right Out: -749.316+/-869.366 χ^2/NDF: 12.8/17

Left In: -698.060+/-565.492 χ^2/NDF:24.3/17

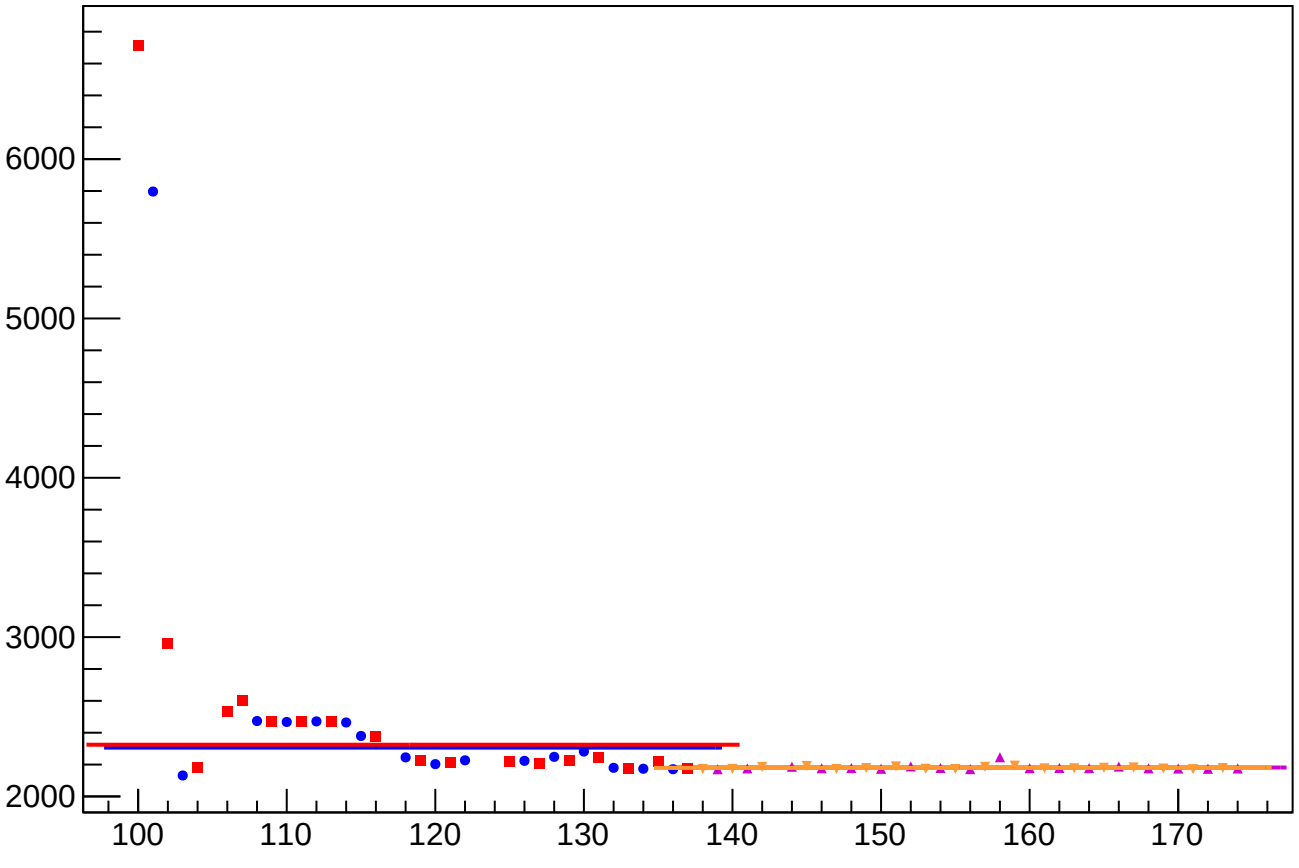
Left: -754.924+/-404.163 χ^2/NDF: 40.8/35

Right: -751.312+/-615.893 χ^2/NDF: 28.7/33

In: -714.403+/-474.563 χ^2/NDF:40.2/33

Out: -794.388+/-481.243 χ^2/NDF:29.2/35

All: -753.836+/-337.904 χ^2/NDF: 69.5/69



Right In: 2306.643+/-0.617 χ^2/NDF: 514150.6/15

Left Out: 2178.960+/-0.409 χ^2/NDF:274.5/17

Right Out: 2324.685+/-0.615 χ^2/NDF: 153578.5/17

Left In: 2181.522+/-0.400 χ^2/NDF:1699.6/17

Left: 2180.269+/-0.286 χ^2/NDF: 1994.2/35

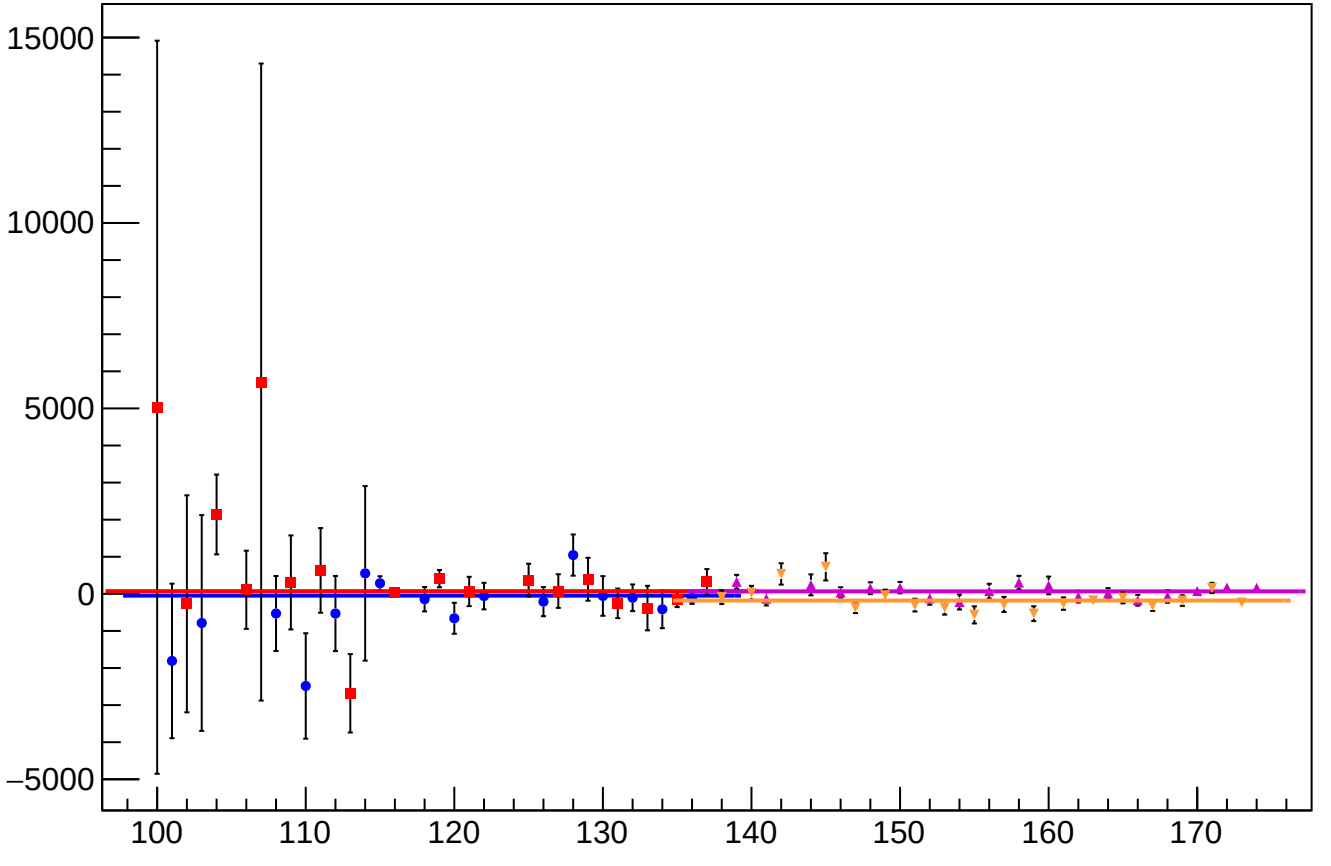
Right: 2315.698+/-0.436 χ^2/NDF: 668158.1/33

In: 2218.525+/-0.336 χ^2/NDF:544806.7/33

Out: 2223.614+/-0.340 χ^2/NDF:192827.8/35

All: 2221.034+/-0.239 χ^2/NDF: 737748.0/69

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -47.960+/-90.920 χ^2/NDF: 14.4/15

Left Out: -180.825+/-38.831 χ^2/NDF:31.7/17

Right Out: 72.198+/-82.322 χ^2/NDF: 17.4/17

Left In: 66.832+/-36.932 χ^2/NDF:15.5/17

Left: -50.791+/-26.761 χ^2/NDF: 68.6/35

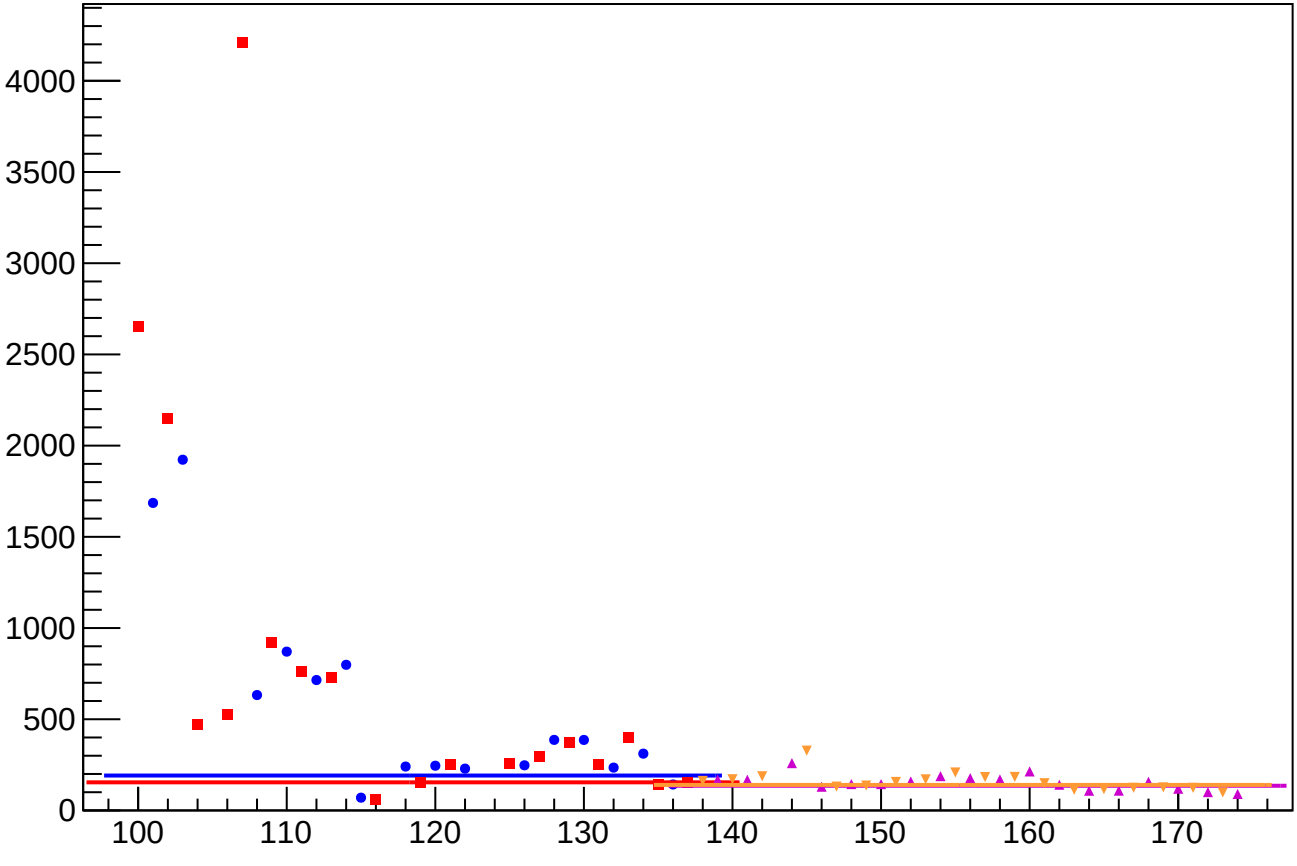
Right: 18.067+/-61.024 χ^2/NDF: 32.7/33

In: 50.574+/-34.217 χ^2/NDF:31.2/33

Out: -134.773+/-35.120 χ^2/NDF:56.8/35

All: -39.685+/-24.508 χ^2/NDF: 102.4/69

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 191.405+/-0.064 χ^2/NDF: 5063603.7/15

Left Out: 139.969+/-0.027 χ^2/NDF:1563873.4/17

Right Out: 154.121+/-0.058 χ^2/NDF: 6108665.0/17

Left In: 135.410+/-0.026 χ^2/NDF:1865752.5/17

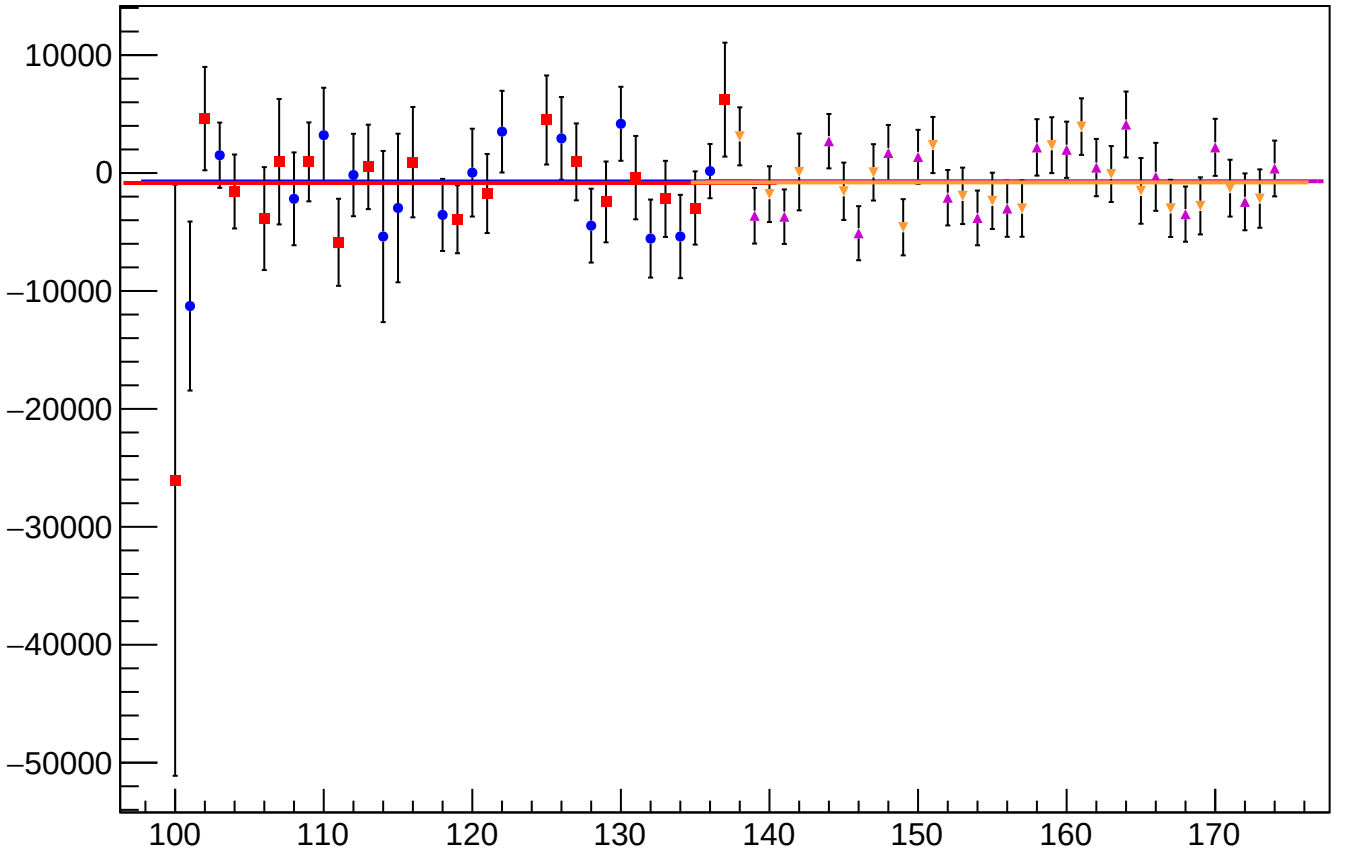
Left: 137.575+/-0.019 χ^2/NDF: 3444103.9/35

Right: 170.917+/-0.043 χ^2/NDF: 11357079.8/33

In: 143.340+/-0.024 χ^2/NDF:7580521.6/33

Out: 142.545+/-0.025 χ^2/NDF:7720887.0/35

All: 142.953+/-0.017 χ^2/NDF: 15301935.0/69



Right In: -717.136+/-873.539 χ^2/NDF: 15.8/15

Left Out: -794.805+/-577.854 χ^2/NDF:16.5/17

Right Out: -842.157+/-873.586 χ^2/NDF: 12.2/17

Left In: -694.461+/-565.691 χ^2/NDF:23.5/17

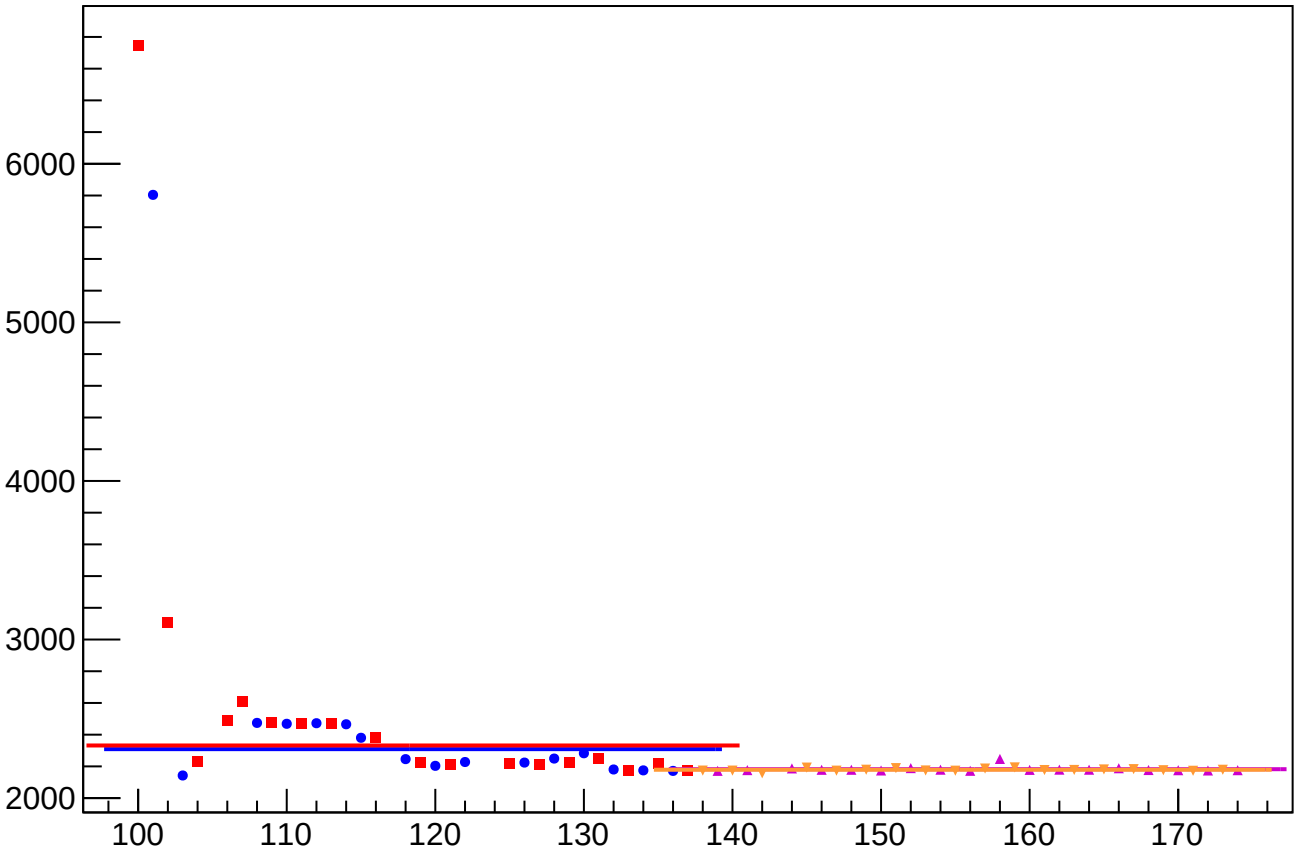
Left: -743.566+/-404.236 χ^2/NDF: 40.0/35

Right: -779.643+/-617.702 χ^2/NDF: 28.0/33

In: -701.161+/-474.823 χ^2/NDF:39.3/33

Out: -809.218+/-481.956 χ^2/NDF:28.7/35

All: -754.384+/-338.244 χ^2/NDF: 68.0/69



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.779+/-0.409 χ^2/NDF:368.9/17

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.7/17

Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

Left: 2180.573+/-0.286 χ^2/NDF: 2099.8/35

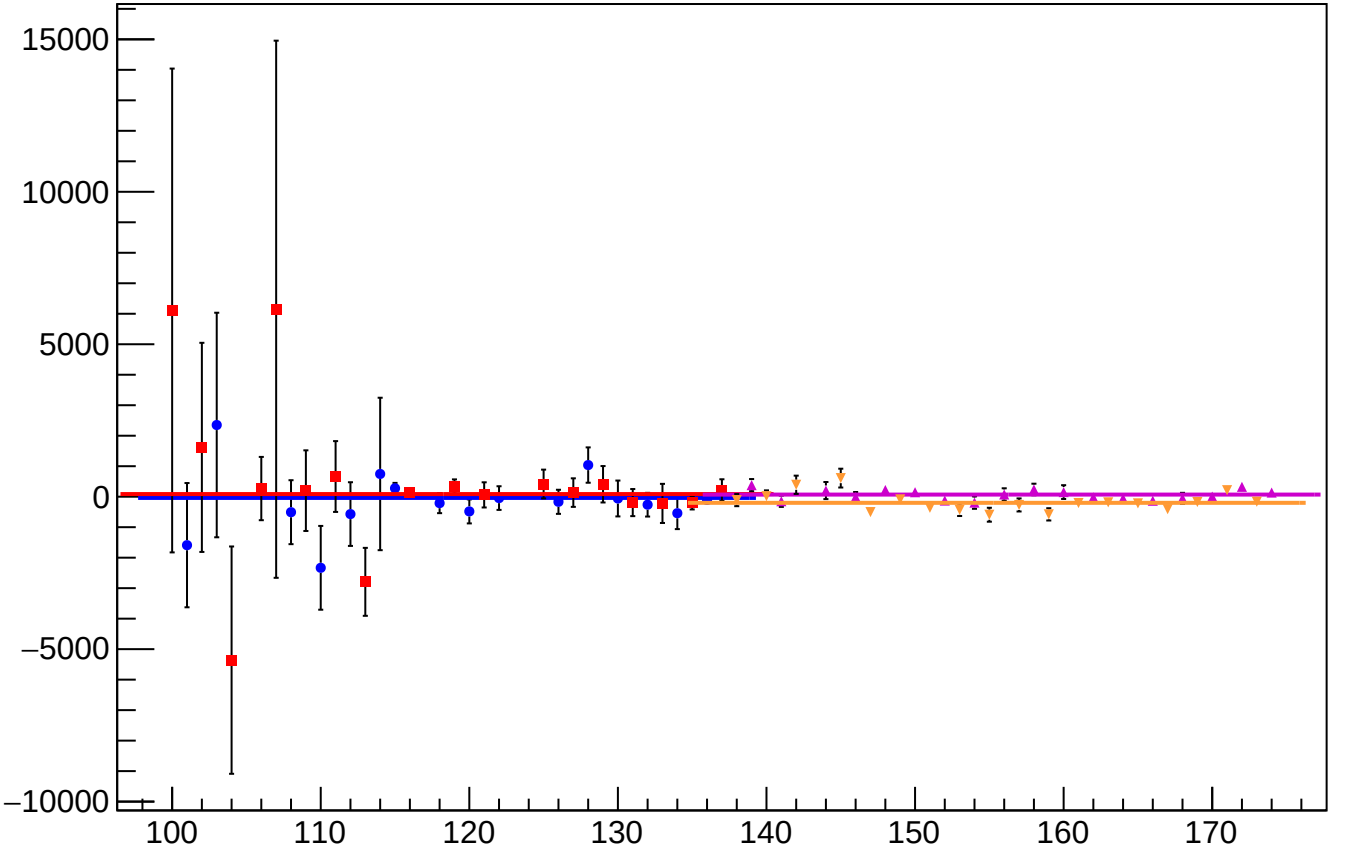
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2219.652+/-0.336 χ^2/NDF:544960.4/33

Out: 2225.370+/-0.341 χ^2/NDF:210405.2/35

All: 2222.468+/-0.239 χ^2/NDF: 755508.5/69

asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.119+/-92.409 χ^2/NDF: 14.1/15

Left Out: -200.871+/-39.171 χ^2/NDF:36.2/17

Right Out: 86.379+/-86.088 χ^2/NDF: 15.0/17

Left In: 69.317+/-37.979 χ^2/NDF:17.8/17

Left: -61.601+/-27.267 χ^2/NDF: 78.6/35

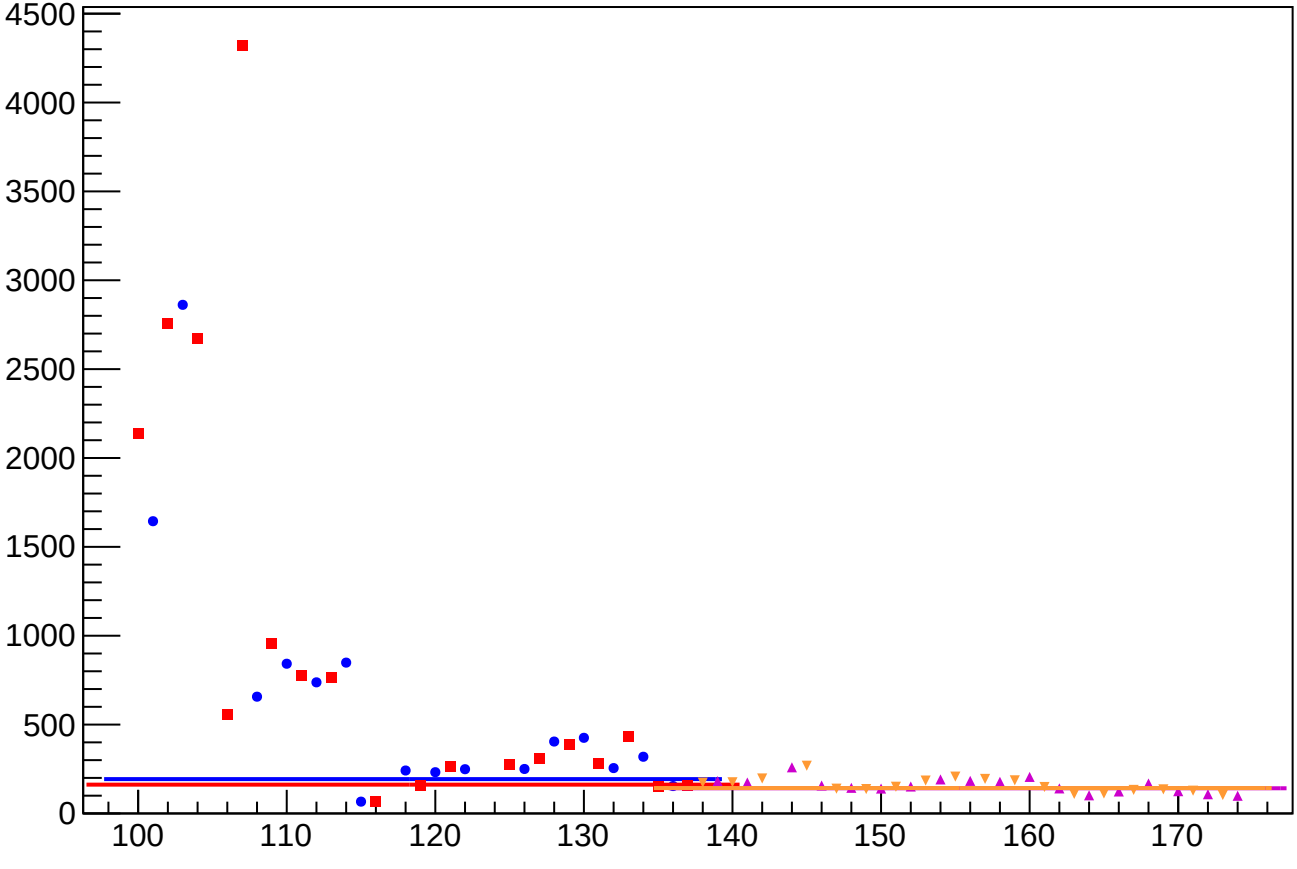
Right: 27.604+/-62.990 χ^2/NDF: 30.0/33

In: 53.503+/-35.128 χ^2/NDF:33.1/33

Out: -151.600+/-35.654 χ^2/NDF:60.4/35

All: -47.523+/-25.023 χ^2/NDF: 110.3/69

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.255+/-0.065 χ^2/NDF: 5617847.0/15

Left Out: 142.925+/-0.028 χ^2/NDF:1464612.3/17

Right Out: 162.114+/-0.061 χ^2/NDF: 7070489.1/17

Left In: 141.693+/-0.027 χ^2/NDF:1693601.3/17

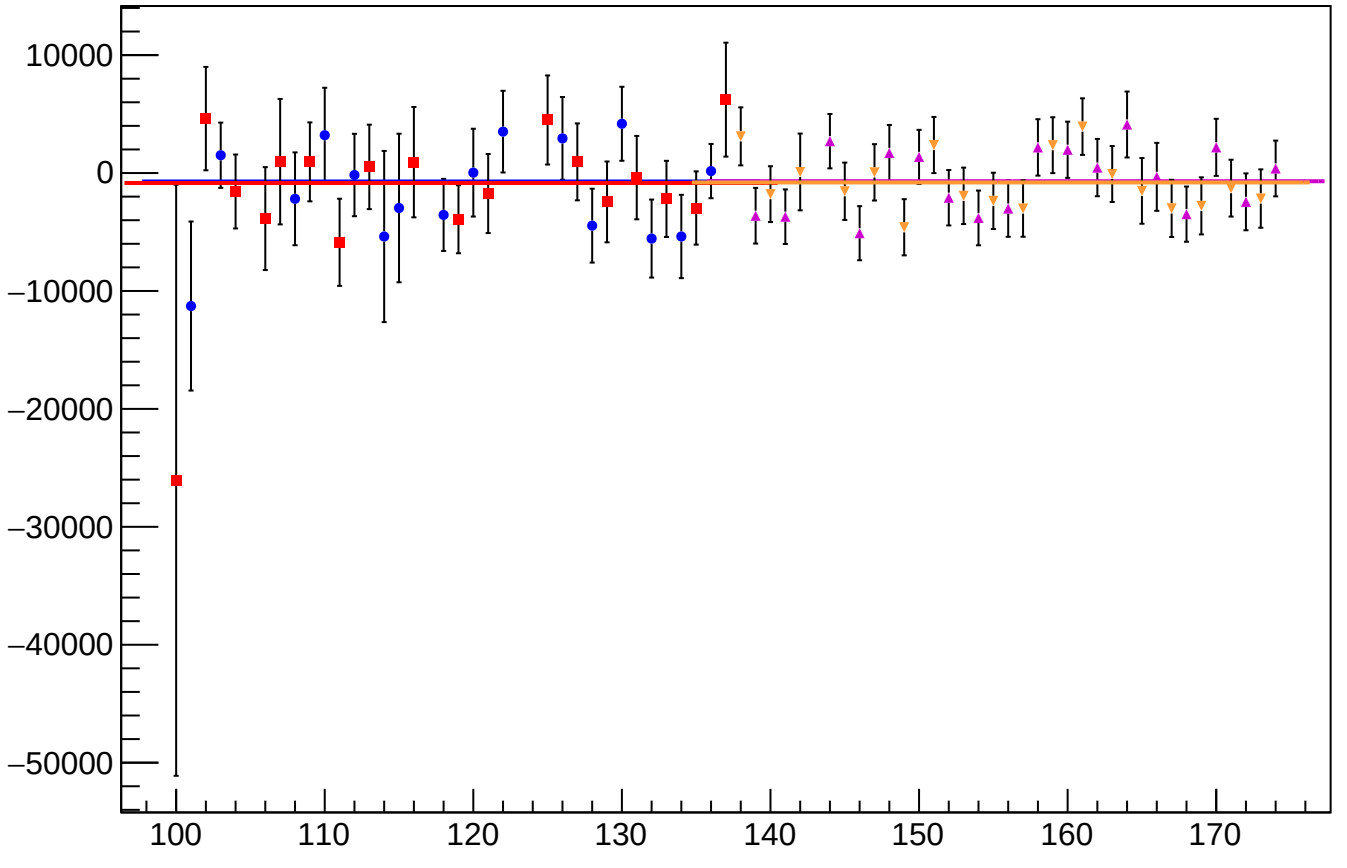
Left: 142.290+/-0.019 χ^2/NDF: 3159232.9/35

Right: 176.583+/-0.045 χ^2/NDF: 12809933.8/33

In: 149.144+/-0.025 χ^2/NDF:7844143.7/33

Out: 146.216+/-0.025 χ^2/NDF:8617425.8/35

All: 147.702+/-0.018 χ^2/NDF: 16468412.1/69



Right In: -717.137+/-873.539 χ^2/NDF: 15.8/15

Left Out: -794.807+/-577.854 χ^2/NDF:16.5/17

Right Out: -842.159+/-873.586 χ^2/NDF: 12.2/17

Left In: -694.460+/-565.691 χ^2/NDF:23.5/17

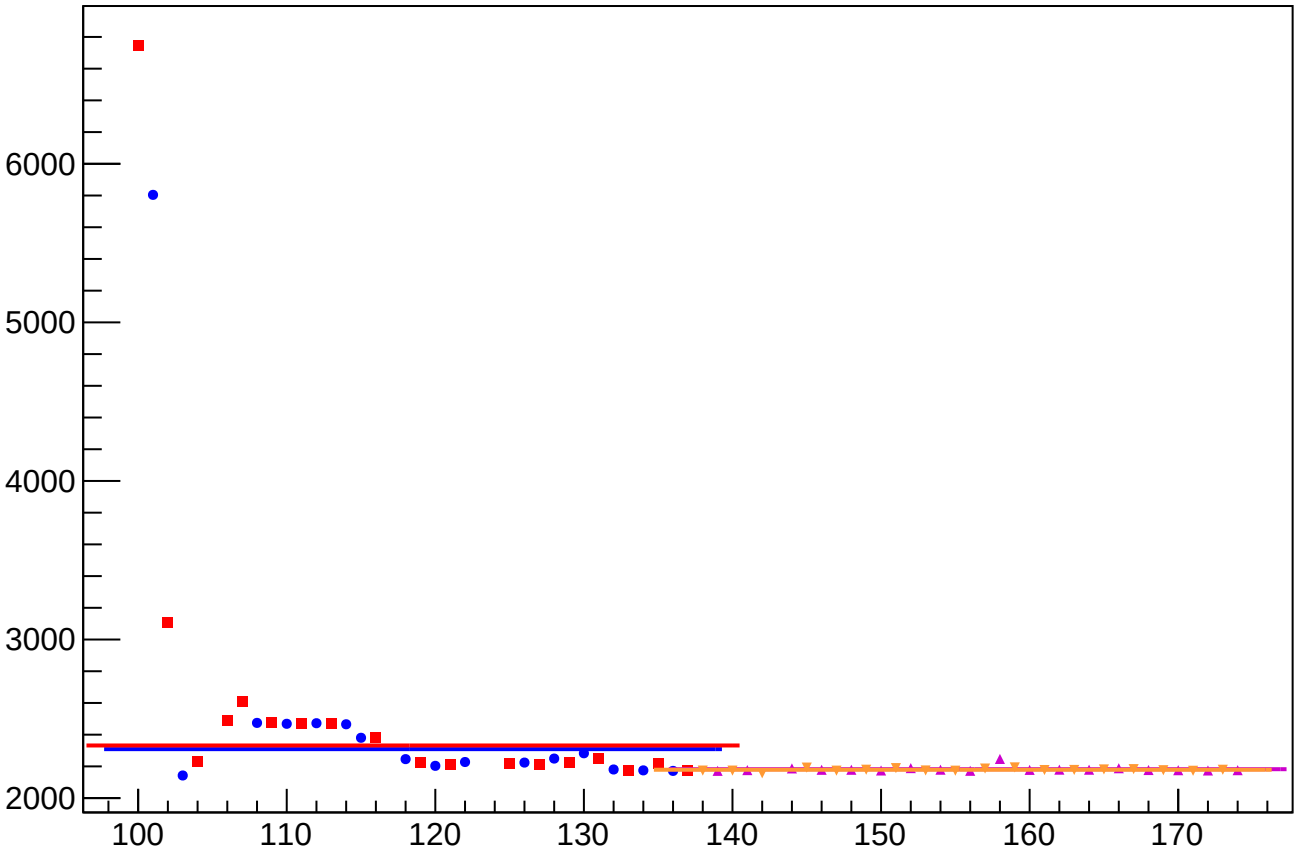
Left: -743.566+/-404.236 χ^2/NDF: 40.0/35

Right: -779.645+/-617.702 χ^2/NDF: 28.0/33

In: -701.160+/-474.823 χ^2/NDF:39.3/33

Out: -809.219+/-481.956 χ^2/NDF:28.7/35

All: -754.384+/-338.244 χ^2/NDF: 68.0/69



Right In: 2308.739+/-0.618 χ^2/NDF: 513742.2/15

Left Out: 2178.780+/-0.409 χ^2/NDF:368.9/17

Right Out: 2331.849+/-0.618 χ^2/NDF: 167321.6/17

Left In: 2182.292+/-0.400 χ^2/NDF:1693.1/17

Left: 2180.573+/-0.286 χ^2/NDF: 2099.8/35

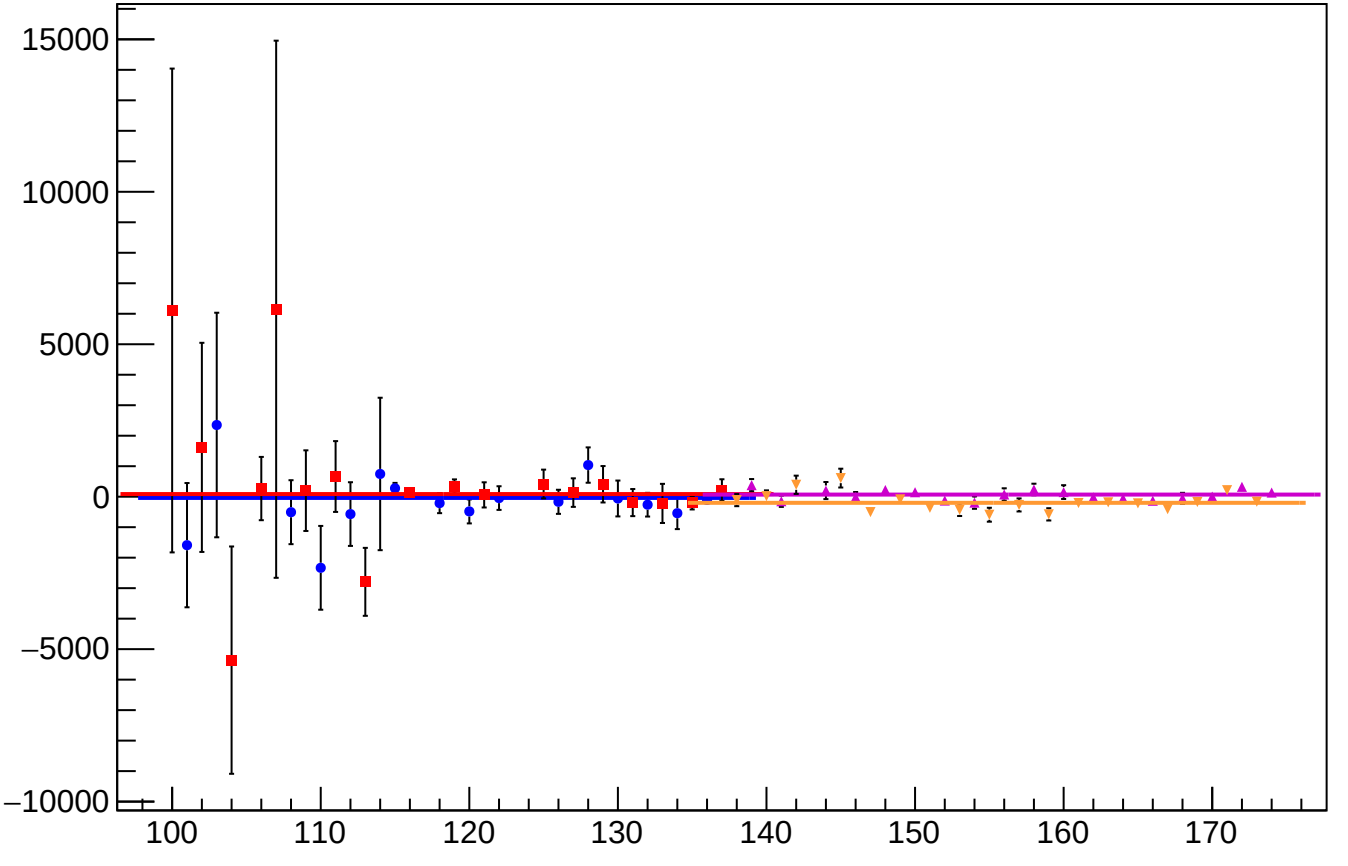
Right: 2320.294+/-0.437 χ^2/NDF: 681763.7/33

In: 2219.652+/-0.336 χ^2/NDF:544960.4/33

Out: 2225.370+/-0.341 χ^2/NDF:210405.1/35

All: 2222.468+/-0.239 χ^2/NDF: 755508.4/69

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -40.116+/-92.408 χ^2/NDF: 14.1/15

Left Out: -200.872+/-39.172 χ^2/NDF:36.2/17

Right Out: 86.380+/-86.087 χ^2/NDF: 15.0/17

Left In: 69.316+/-37.979 χ^2/NDF:17.8/17

Left: -61.602+/-27.267 χ^2/NDF: 78.6/35

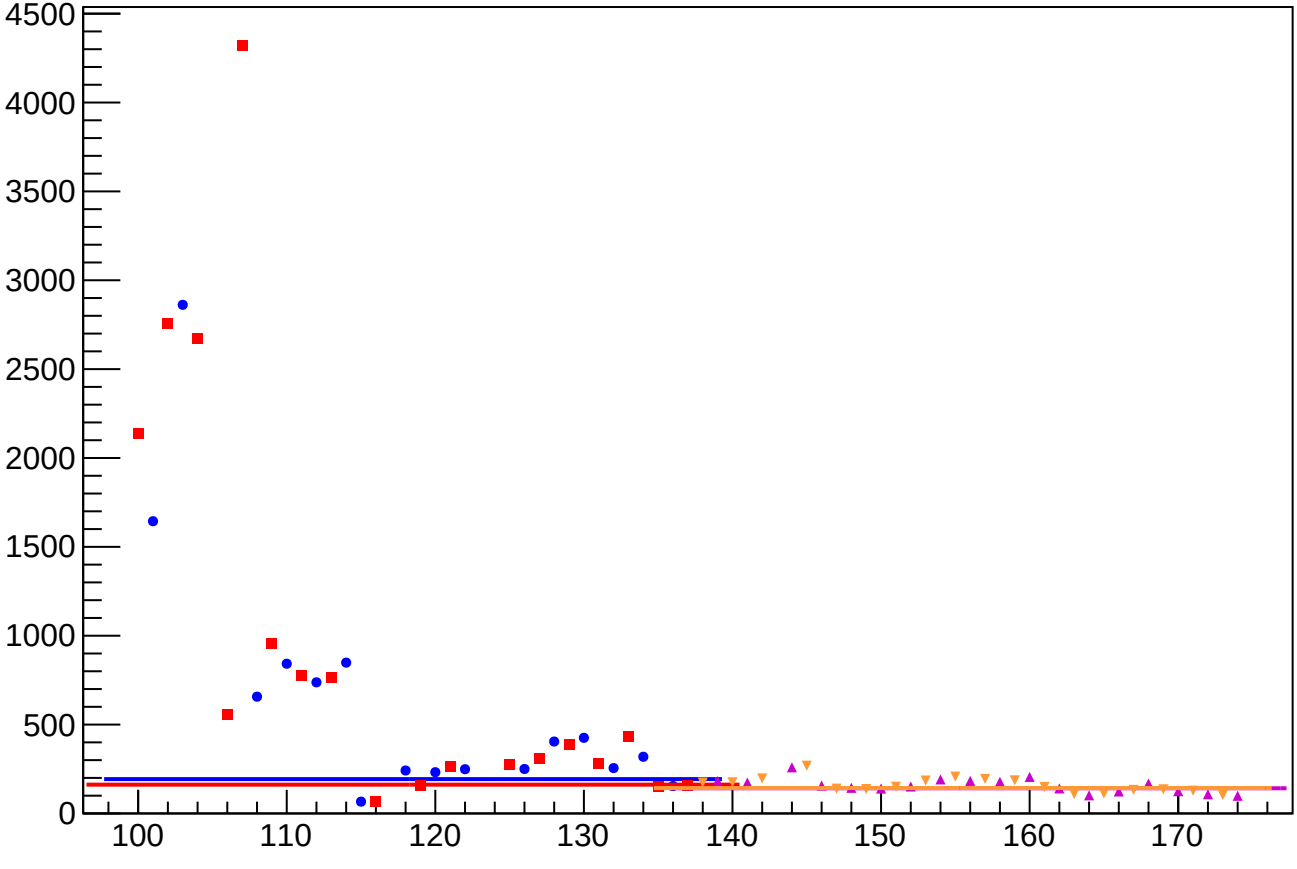
Right: 27.606+/-62.989 χ^2/NDF: 30.0/33

In: 53.502+/-35.128 χ^2/NDF:33.1/33

Out: -151.600+/-35.654 χ^2/NDF:60.4/35

All: -47.524+/-25.023 χ^2/NDF: 110.3/69

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 193.253+/-0.065 χ^2/NDF: 5617884.1/15

Left Out: 142.925+/-0.028 χ^2/NDF:1464620.2/17

Right Out: 162.112+/-0.061 χ^2/NDF: 7070547.9/17

Left In: 141.694+/-0.027 χ^2/NDF:1693631.6/17

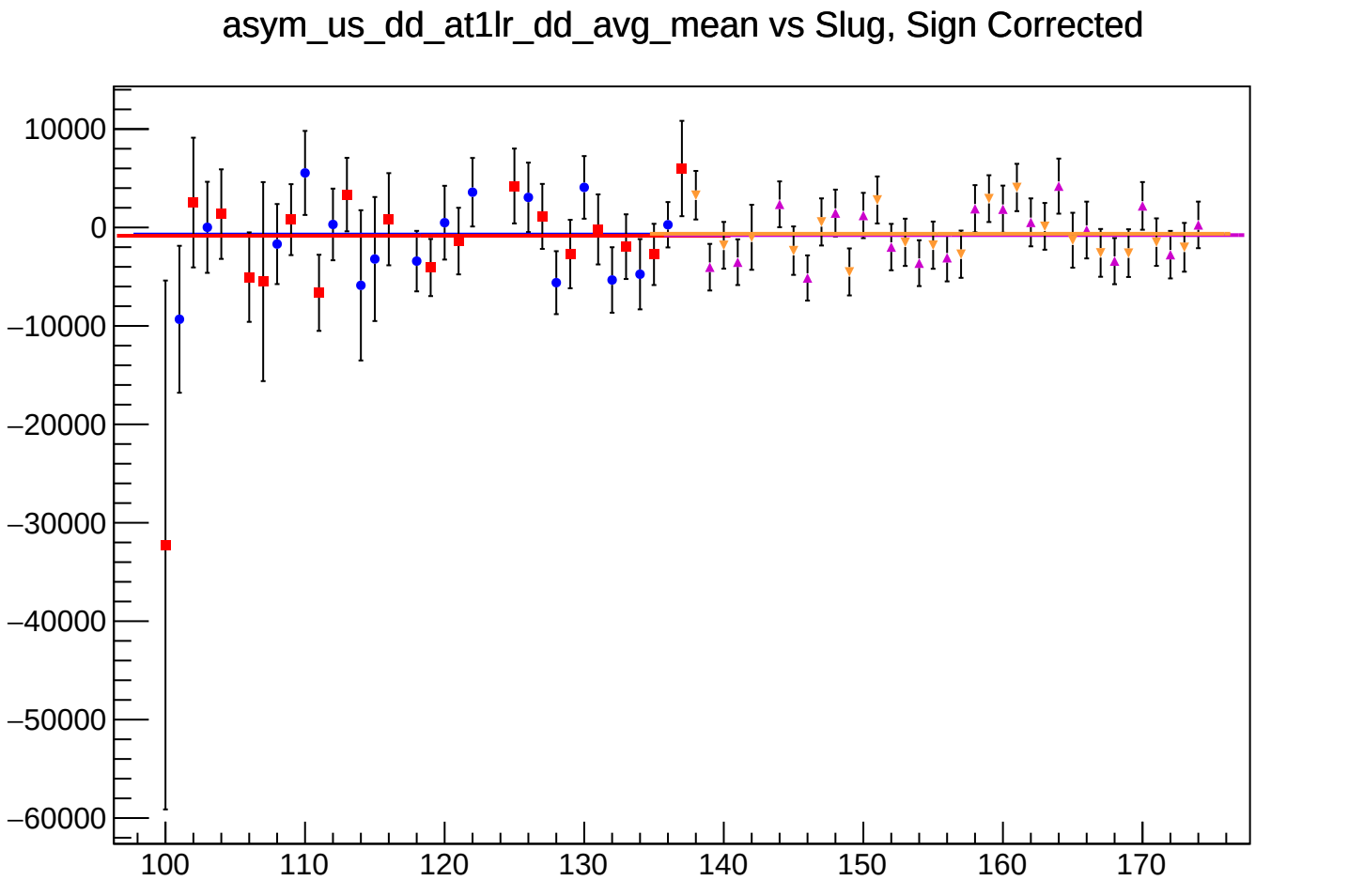
Left: 142.290+/-0.019 χ^2/NDF: 3159270.9/35

Right: 176.581+/-0.045 χ^2/NDF: 12810031.9/33

In: 149.144+/-0.025 χ^2/NDF:7844166.5/33

Out: 146.216+/-0.025 χ^2/NDF:8617472.6/35

All: 147.702+/-0.018 χ^2/NDF: 16468482.6/69



Right In: -719.565+/-916.228 χ^2/NDF: 15.8/15

Left Out: -638.769+/-579.786 χ^2/NDF:17.3/17

Right Out: -844.810+/-928.703 χ^2/NDF: 12.9/17

Left In: -774.705+/-567.290 χ^2/NDF:22.6/17

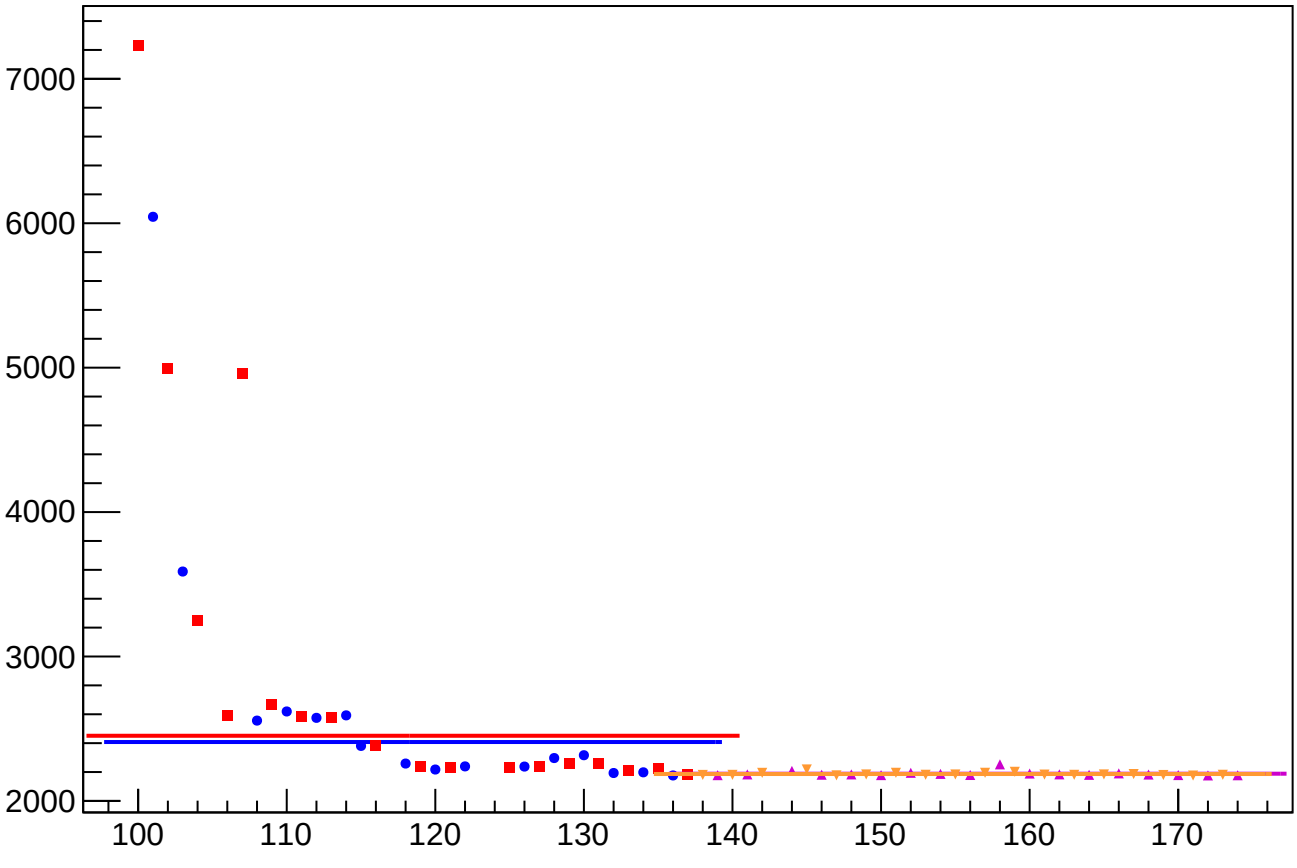
Left: -708.218+/-405.480 χ^2/NDF: 39.9/35

Right: -781.340+/-652.237 χ^2/NDF: 28.7/33

In: -759.424+/-482.323 χ^2/NDF:38.4/33

Out: -696.552+/-491.813 χ^2/NDF:30.3/35

All: -728.601+/-344.360 χ^2/NDF: 68.7/69



Right In: 2407.795+/-0.648 χ^2/NDF: 676891.3/15

Left Out: 2186.235+/-0.410 χ^2/NDF:628.0/17

Right Out: 2451.189+/-0.657 χ^2/NDF: 633600.1/17

Left In: 2188.450+/-0.401 χ^2/NDF:1897.6/17

Left: 2187.367+/-0.287 χ^2/NDF: 2540.5/35

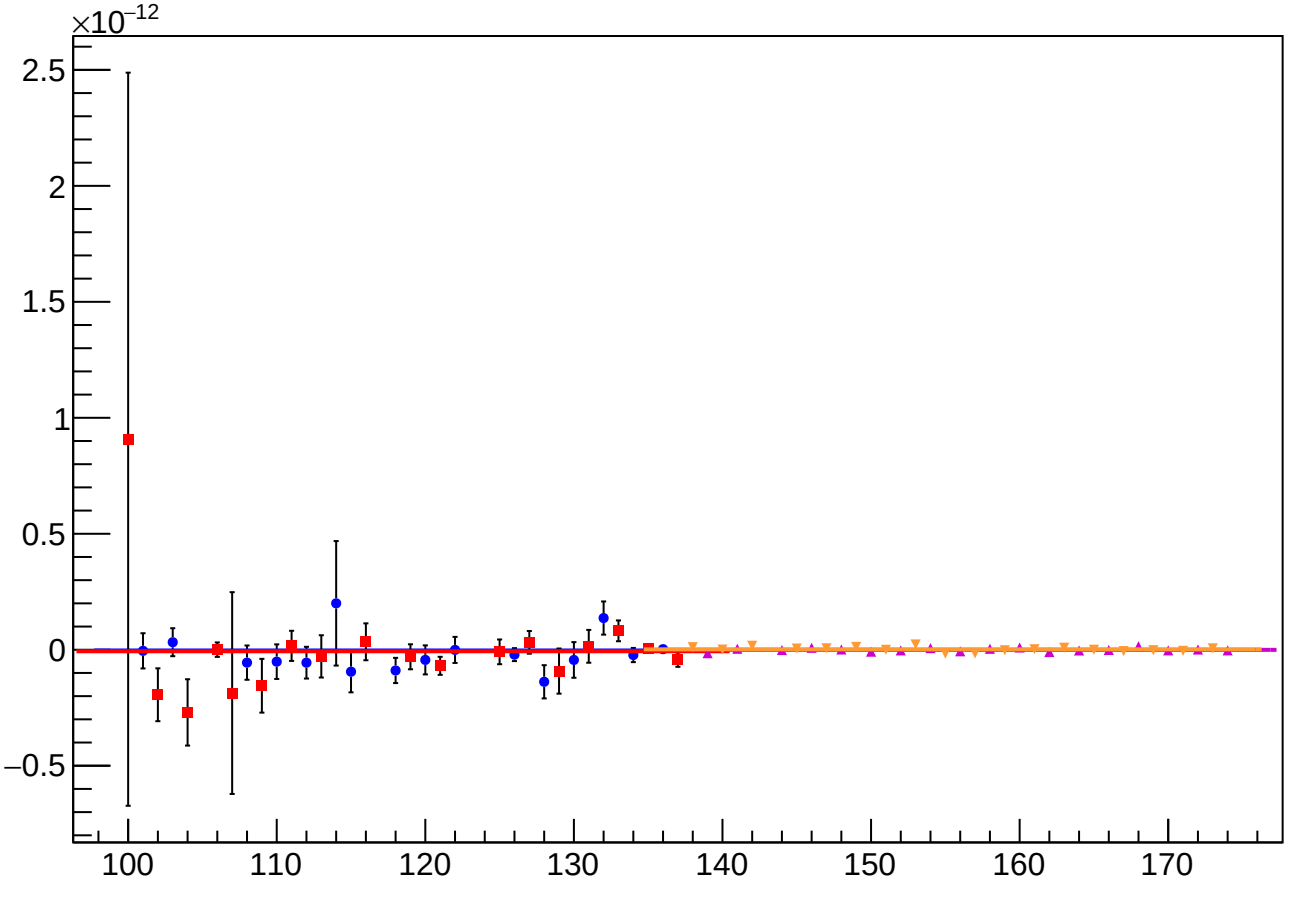
Right: 2429.198+/-0.461 χ^2/NDF: 1312704.2/33

In: 2249.235+/-0.341 χ^2/NDF:761648.4/33

Out: 2260.540+/-0.348 χ^2/NDF:751362.1/35

All: 2254.778+/-0.243 χ^2/NDF: 1513549.2/69

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 15.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 18.9/17

Left In: -0.000+/-0.000 χ^2/NDF:12.6/17

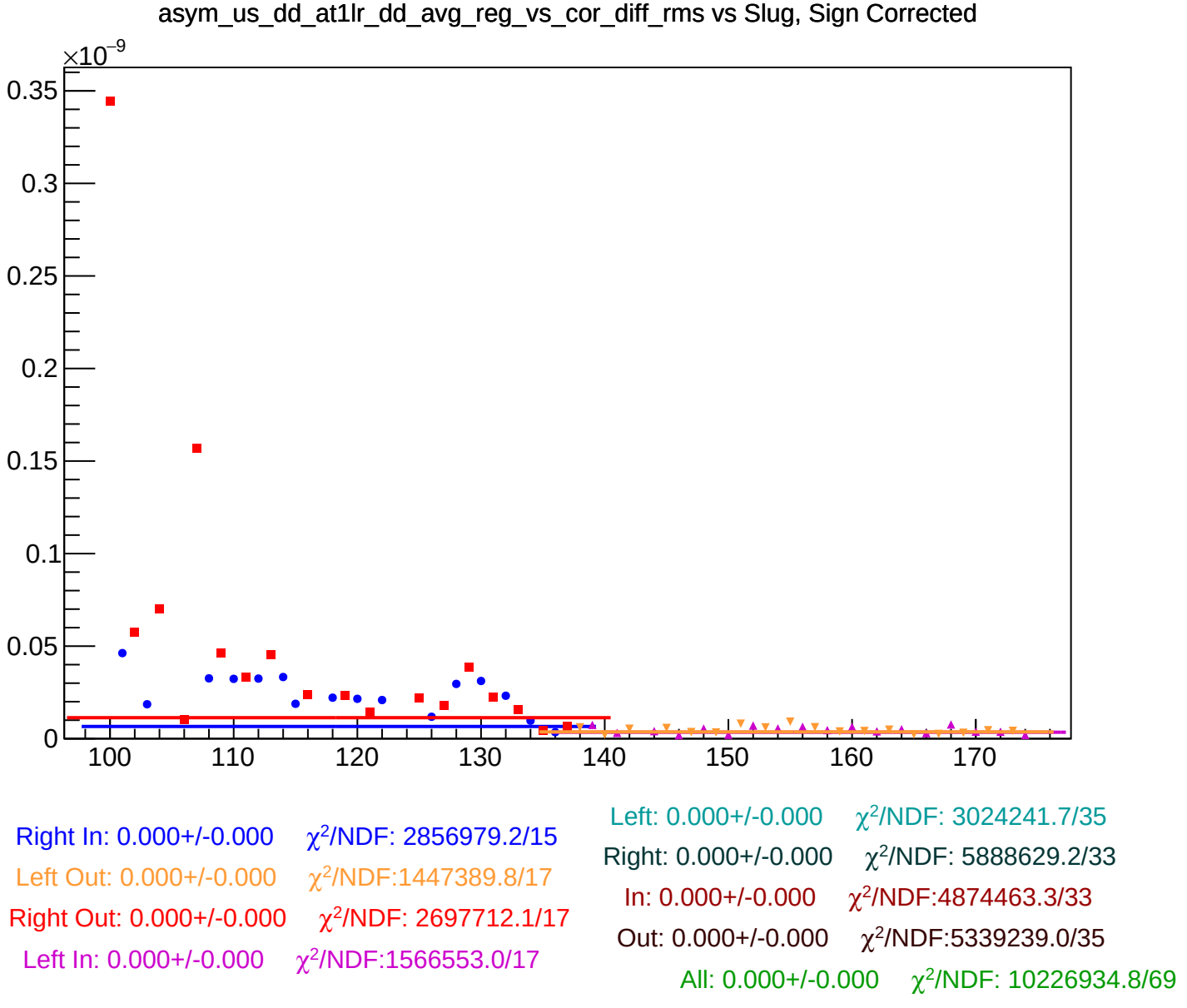
Left: 0.000+/-0.000 χ^2/NDF: 29.3/35

Right: -0.000+/-0.000 χ^2/NDF: 34.5/33

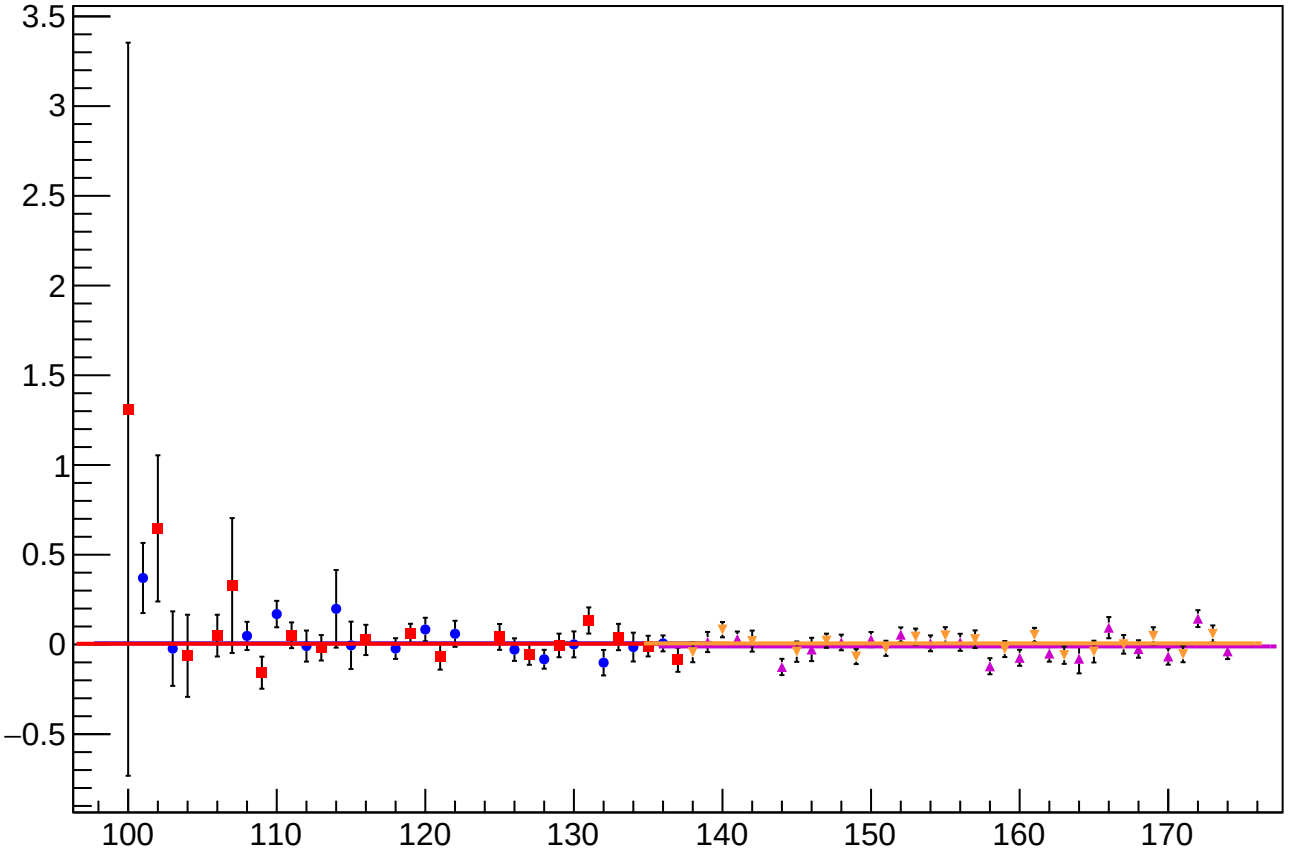
In: -0.000+/-0.000 χ^2/NDF:28.4/33

Out: 0.000+/-0.000 χ^2/NDF:35.6/35

All: 0.000+/-0.000 χ^2/NDF: 64.6/69


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2856979.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1447389.8/17
Right Out: 0.000+/-0.000 χ²/NDF: 2697712.1/17
Left In: 0.000+/-0.000 χ²/NDF:1566553.0/17
Left: 0.000+/-0.000 χ²/NDF: 3024241.7/35
Right: 0.000+/-0.000 χ²/NDF: 5888629.2/33
In: 0.000+/-0.000 χ²/NDF:4874463.3/33
Out: 0.000+/-0.000 χ²/NDF:5339239.0/35
All: 0.000+/-0.000 χ²/NDF: 10226934.8/69

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

Left: -0.003+/-0.008 χ^2/NDF: 56.7/35

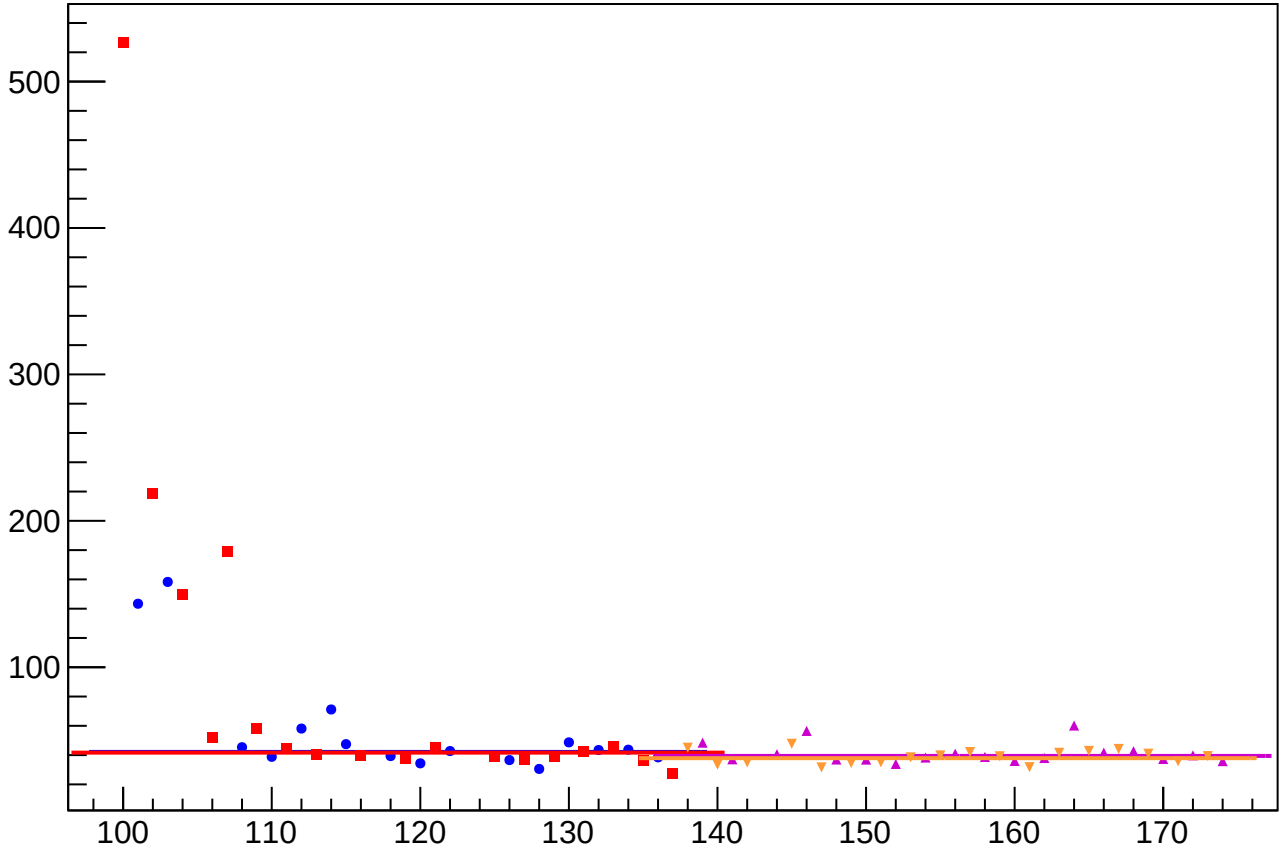
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: -0.001+/-0.007 χ^2/NDF: 90.4/69

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.908+/-0.008 χ^2/NDF:329317.3/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

Left: 38.666+/-0.006 χ^2/NDF: 770196.2/35

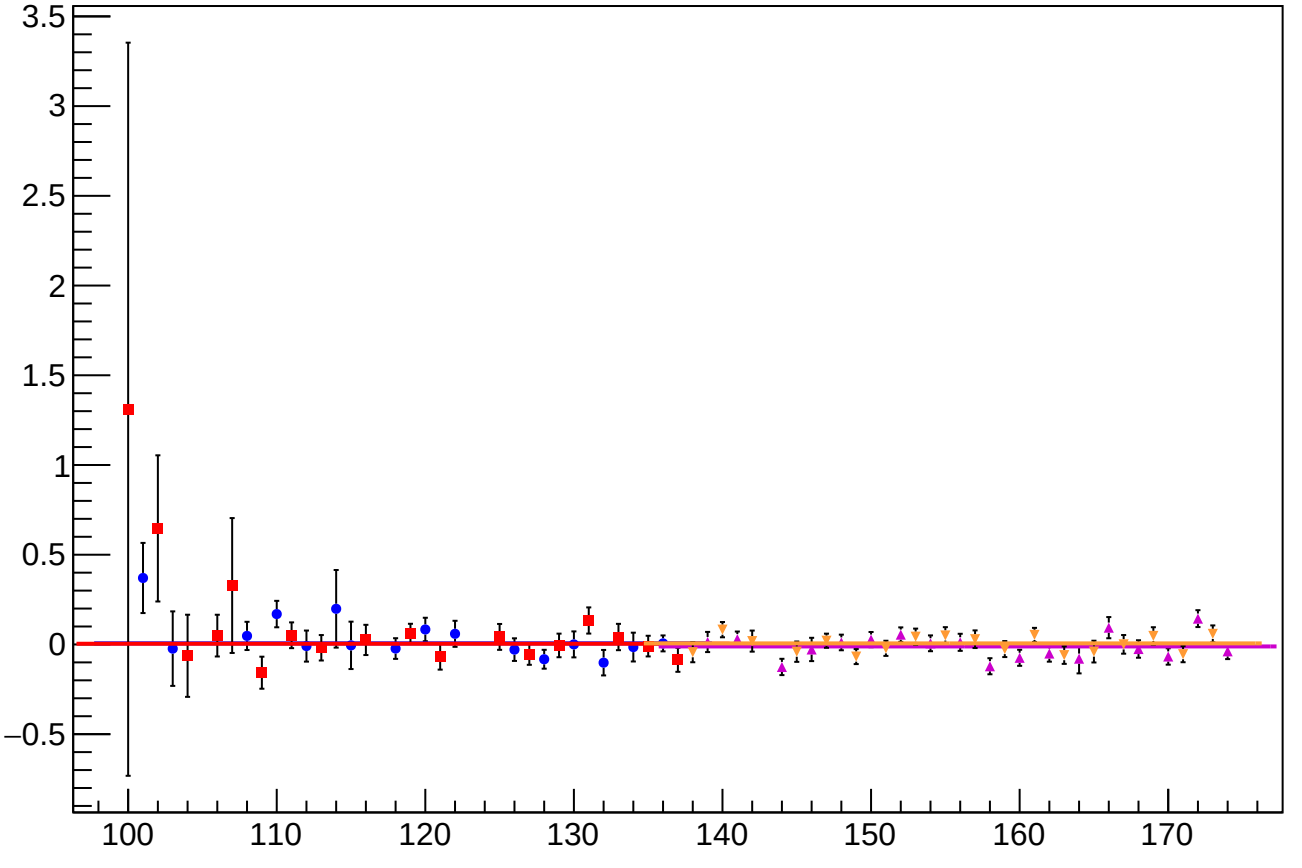
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.179+/-0.007 χ^2/NDF:1908668.1/33

Out: 38.893+/-0.007 χ^2/NDF:1831824.5/35

All: 39.535+/-0.005 χ^2/NDF: 3758805.2/69

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

Left: -0.003+/-0.008 χ^2/NDF: 56.7/35

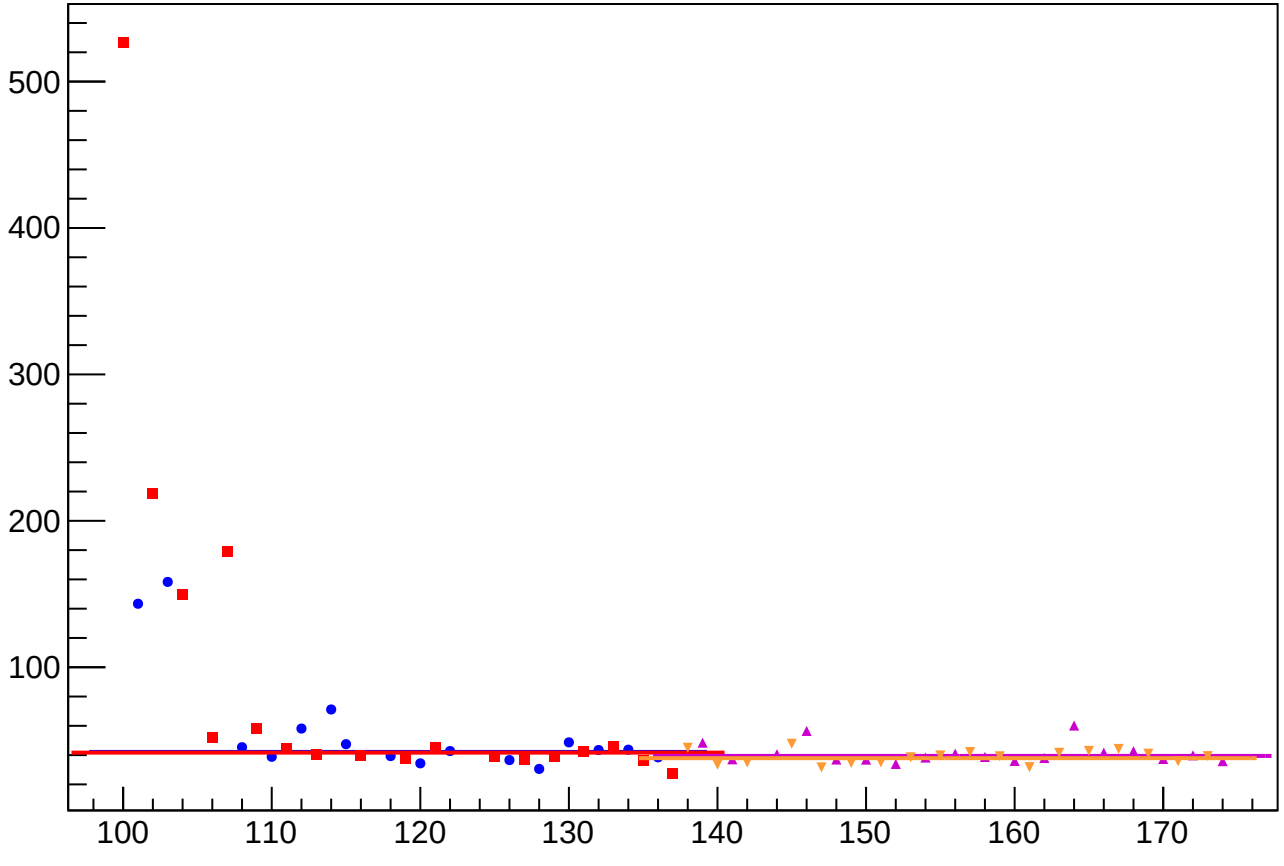
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: -0.001+/-0.007 χ^2/NDF: 90.4/69

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.165+/-0.013 χ^2/NDF: 1454378.8/15

Left Out: 37.908+/-0.008 χ^2/NDF:329317.3/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441204.7/17

Left In: 39.439+/-0.008 χ^2/NDF:421803.3/17

Left: 38.666+/-0.006 χ^2/NDF: 770196.2/35

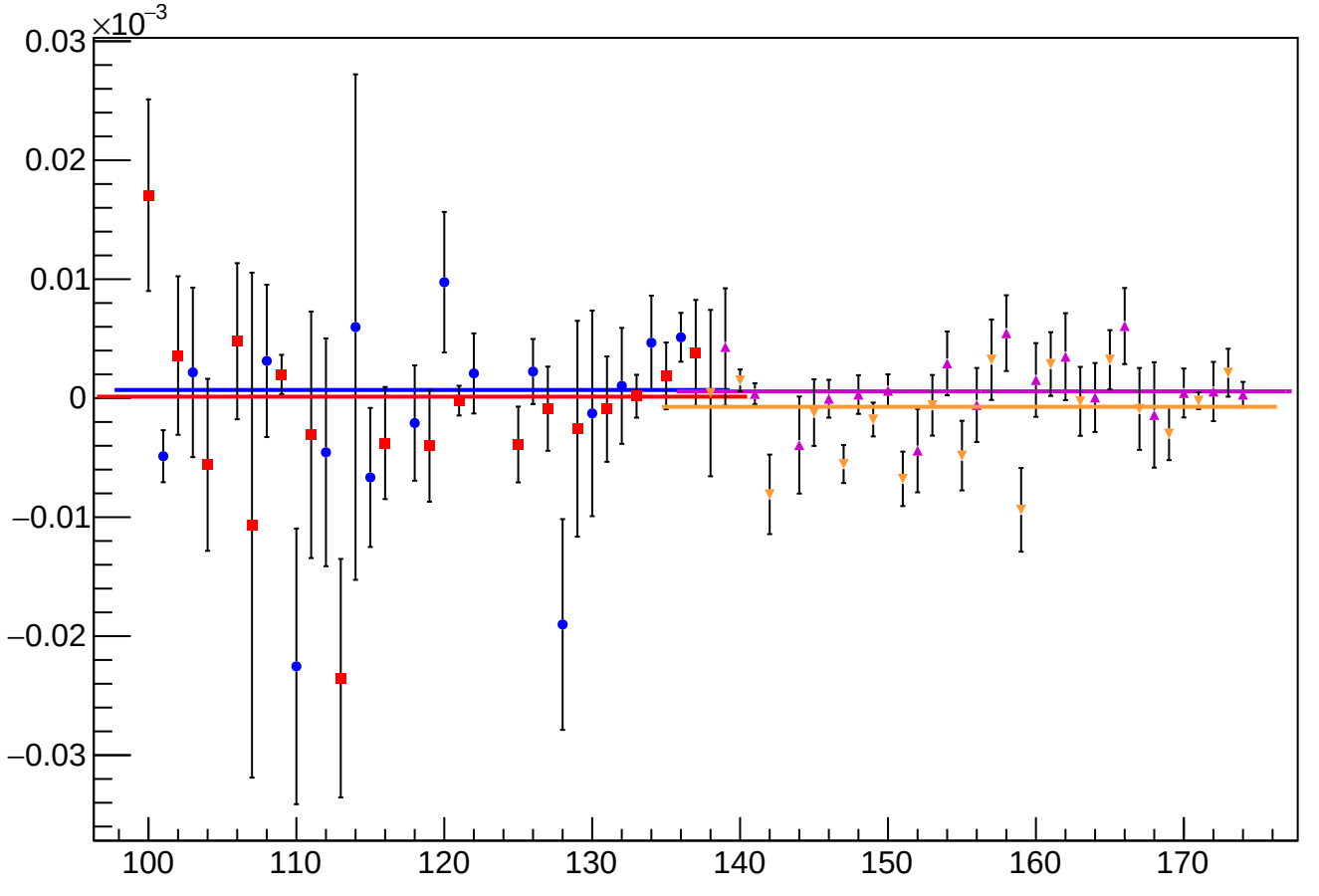
Right: 41.933+/-0.009 χ^2/NDF: 2896244.2/33

In: 40.179+/-0.007 χ^2/NDF:1908668.1/33

Out: 38.893+/-0.007 χ^2/NDF:1831824.5/35

All: 39.535+/-0.005 χ^2/NDF: 3758805.2/69

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 17.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.3/17

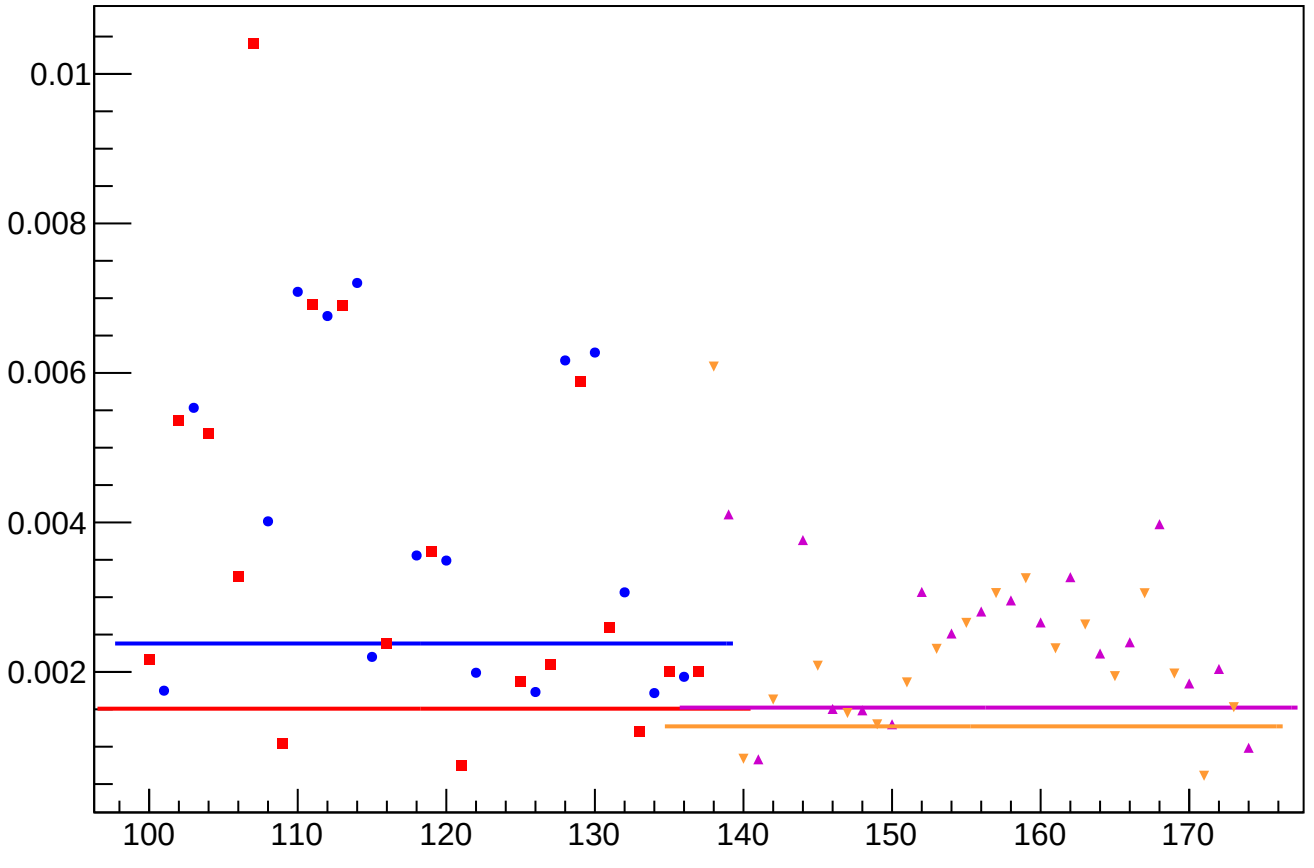
Left: -0.000+/-0.000 χ^2/NDF: 60.5/35

Right: 0.000+/-0.000 χ^2/NDF: 44.1/33

In: 0.000+/-0.000 χ^2/NDF:37.8/33

Out: -0.000+/-0.000 χ^2/NDF:63.2/35

All: -0.000+/-0.000 χ^2/NDF: 105.1/69



Right In: 0.002+/-0.000 χ^2/NDF: 2832488.0/15

Left Out: 0.001+/-0.000 χ^2/NDF:7124372.8/17

Right Out: 0.002+/-0.000 χ^2/NDF: 5001667.0/17

Left In: 0.002+/-0.000 χ^2/NDF:6085068.1/17

Left: 0.001+/-0.000 χ^2/NDF: 13543390.0/35

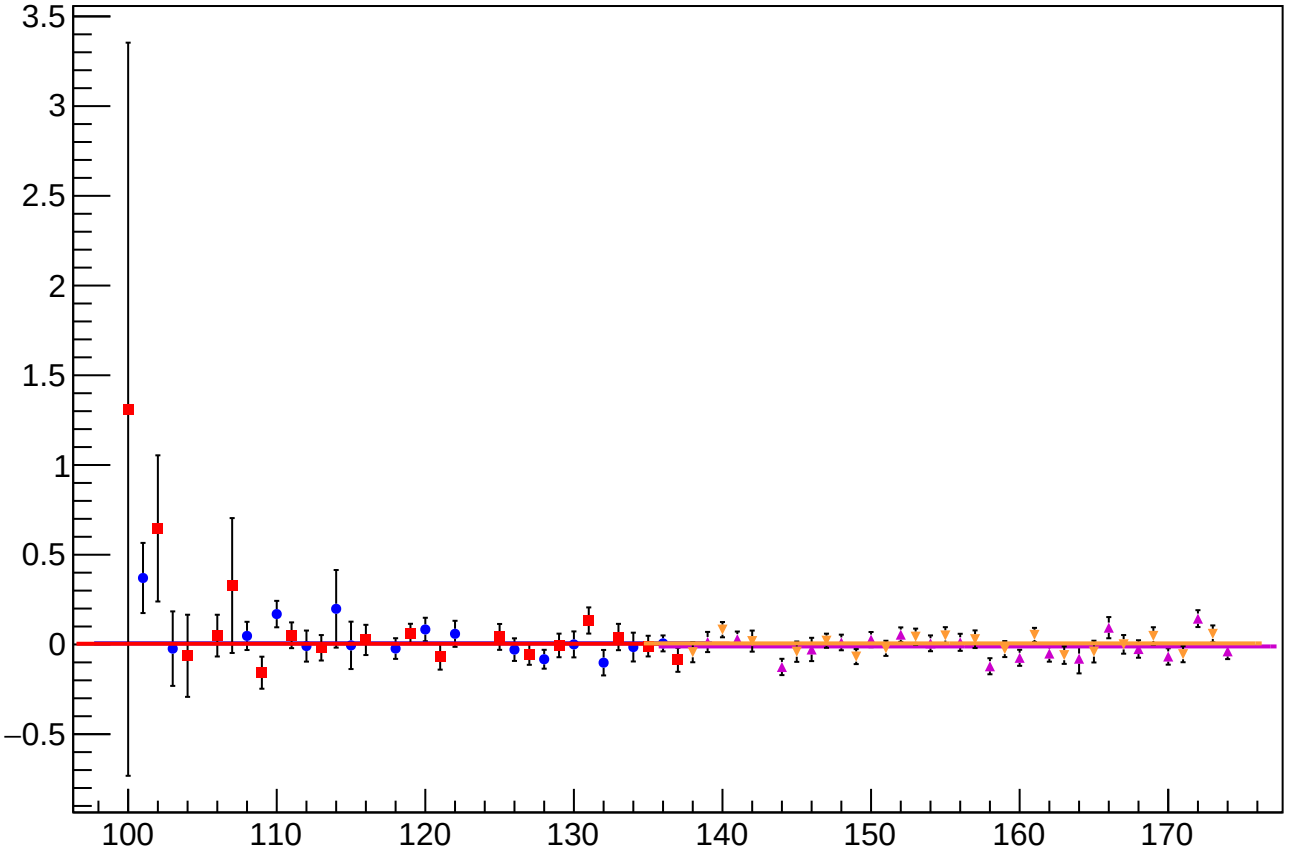
Right: 0.002+/-0.000 χ^2/NDF: 8812145.3/33

In: 0.002+/-0.000 χ^2/NDF:10100690.2/33

Out: 0.001+/-0.000 χ^2/NDF:12288375.8/35

All: 0.001+/-0.000 χ^2/NDF: 23140289.6/69

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

Left: -0.003+/-0.008 χ^2/NDF: 56.7/35

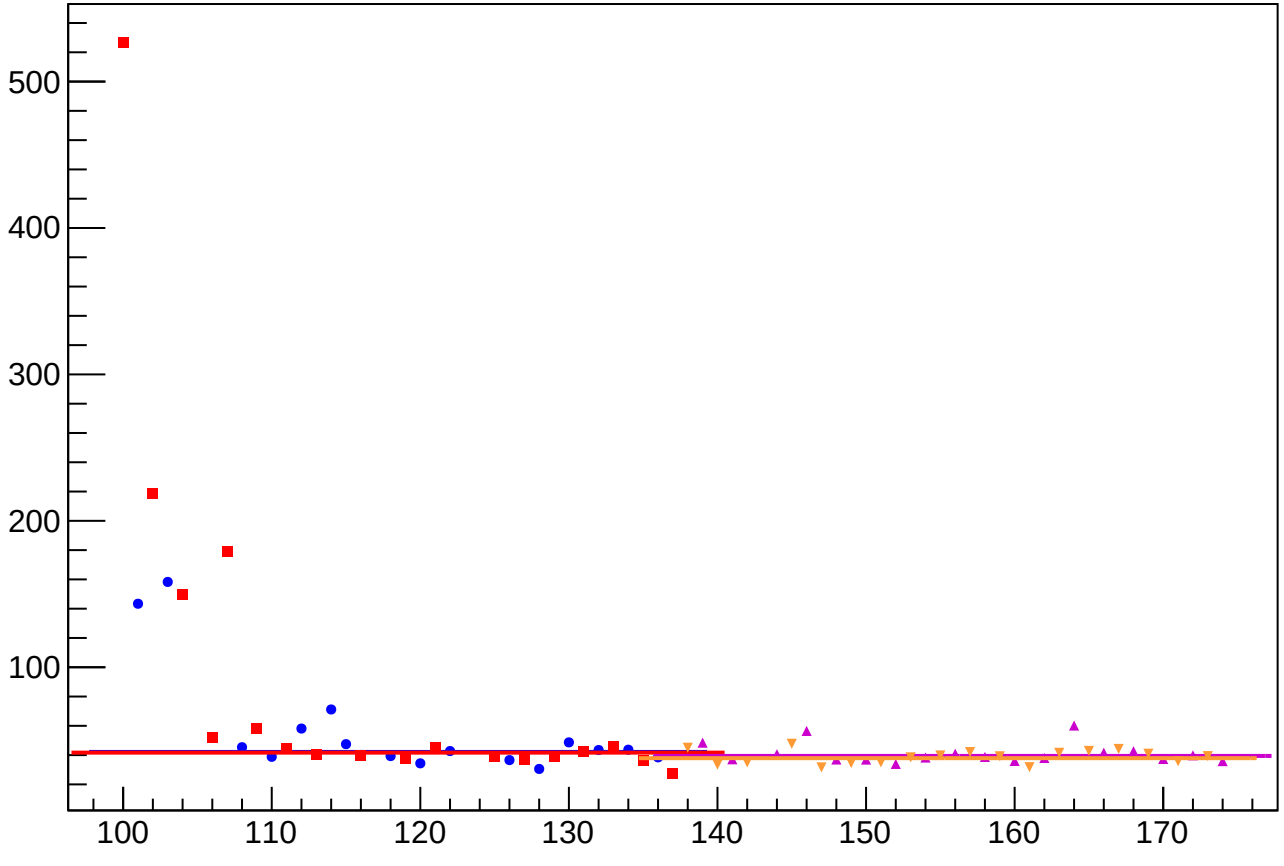
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: -0.001+/-0.007 χ^2/NDF: 90.4/69

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.908+/-0.008 χ^2/NDF:329306.6/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

Left: 38.666+/-0.006 χ^2/NDF: 770221.4/35

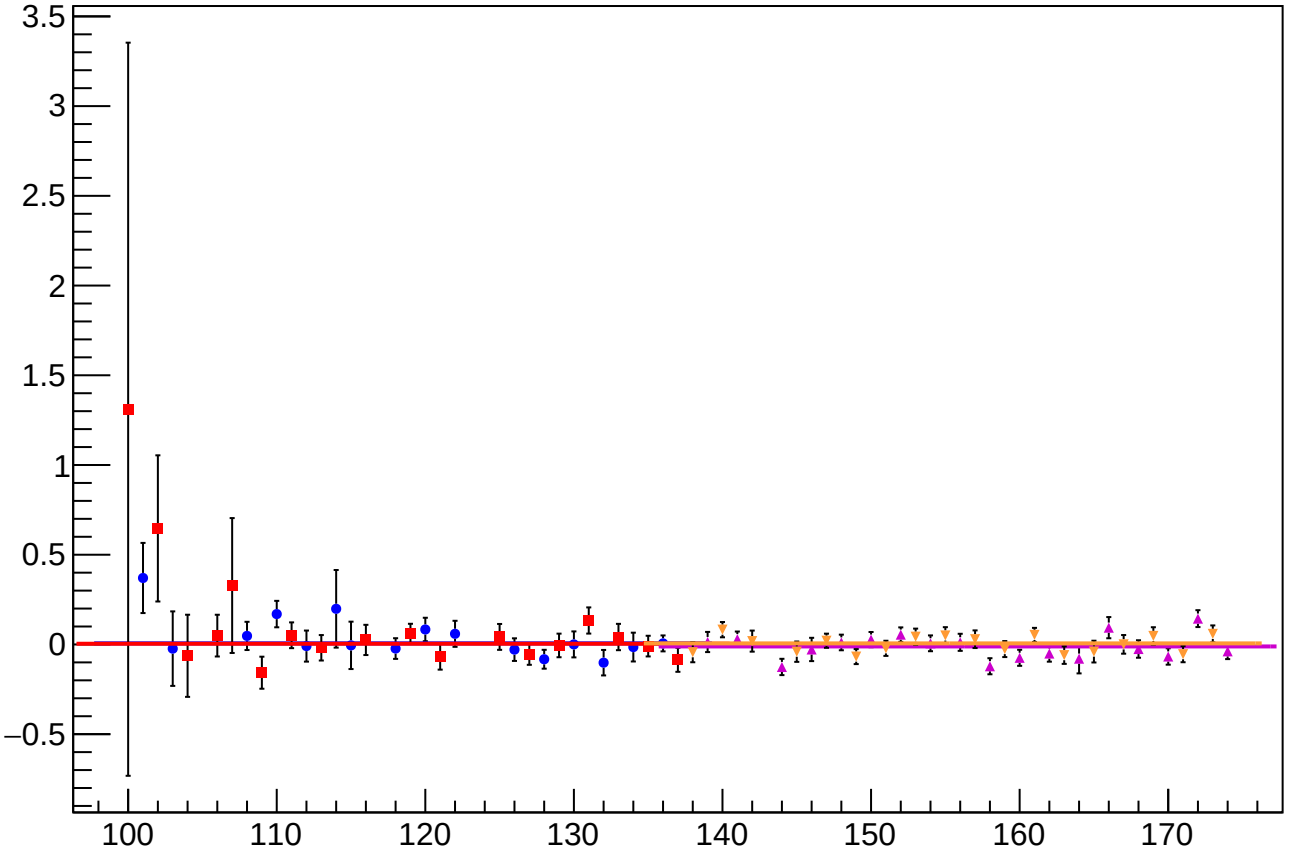
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.179+/-0.007 χ^2/NDF:1908864.1/33

Out: 38.894+/-0.007 χ^2/NDF:1831804.6/35

All: 39.534+/-0.005 χ^2/NDF: 3758958.0/69

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.018 χ^2/NDF: 17.2/15

Left Out: 0.006+/-0.011 χ^2/NDF:18.4/17

Right Out: 0.004+/-0.019 χ^2/NDF: 16.3/17

Left In: -0.011+/-0.011 χ^2/NDF:37.1/17

Left: -0.003+/-0.008 χ^2/NDF: 56.7/35

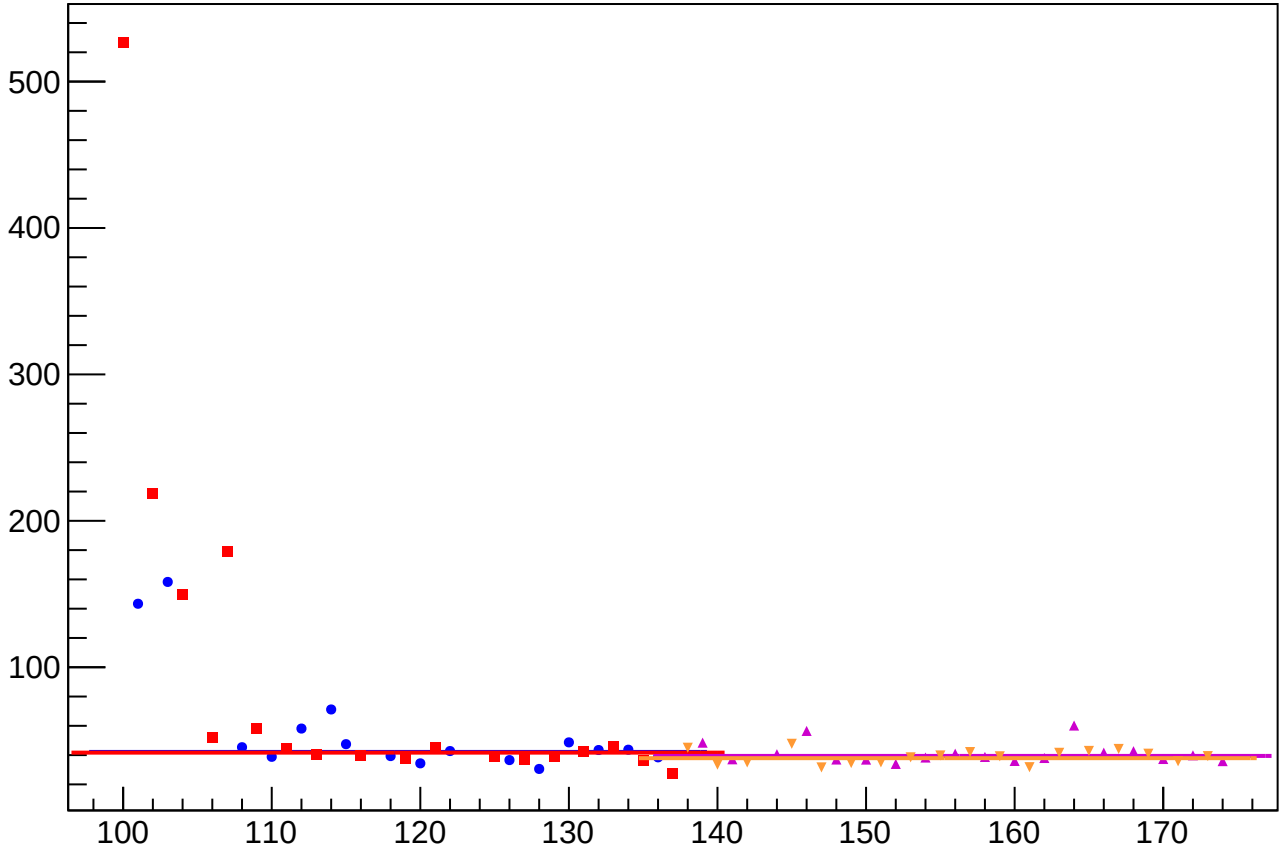
Right: 0.005+/-0.013 χ^2/NDF: 33.5/33

In: -0.006+/-0.010 χ^2/NDF:55.0/33

Out: 0.005+/-0.009 χ^2/NDF:34.6/35

All: -0.001+/-0.007 χ^2/NDF: 90.4/69

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.163+/-0.013 χ^2/NDF: 1454592.8/15

Left Out: 37.908+/-0.008 χ^2/NDF:329306.6/17

Right Out: 41.692+/-0.013 χ^2/NDF: 1441185.4/17

Left In: 39.439+/-0.008 χ^2/NDF:421842.3/17

Left: 38.666+/-0.006 χ^2/NDF: 770221.4/35

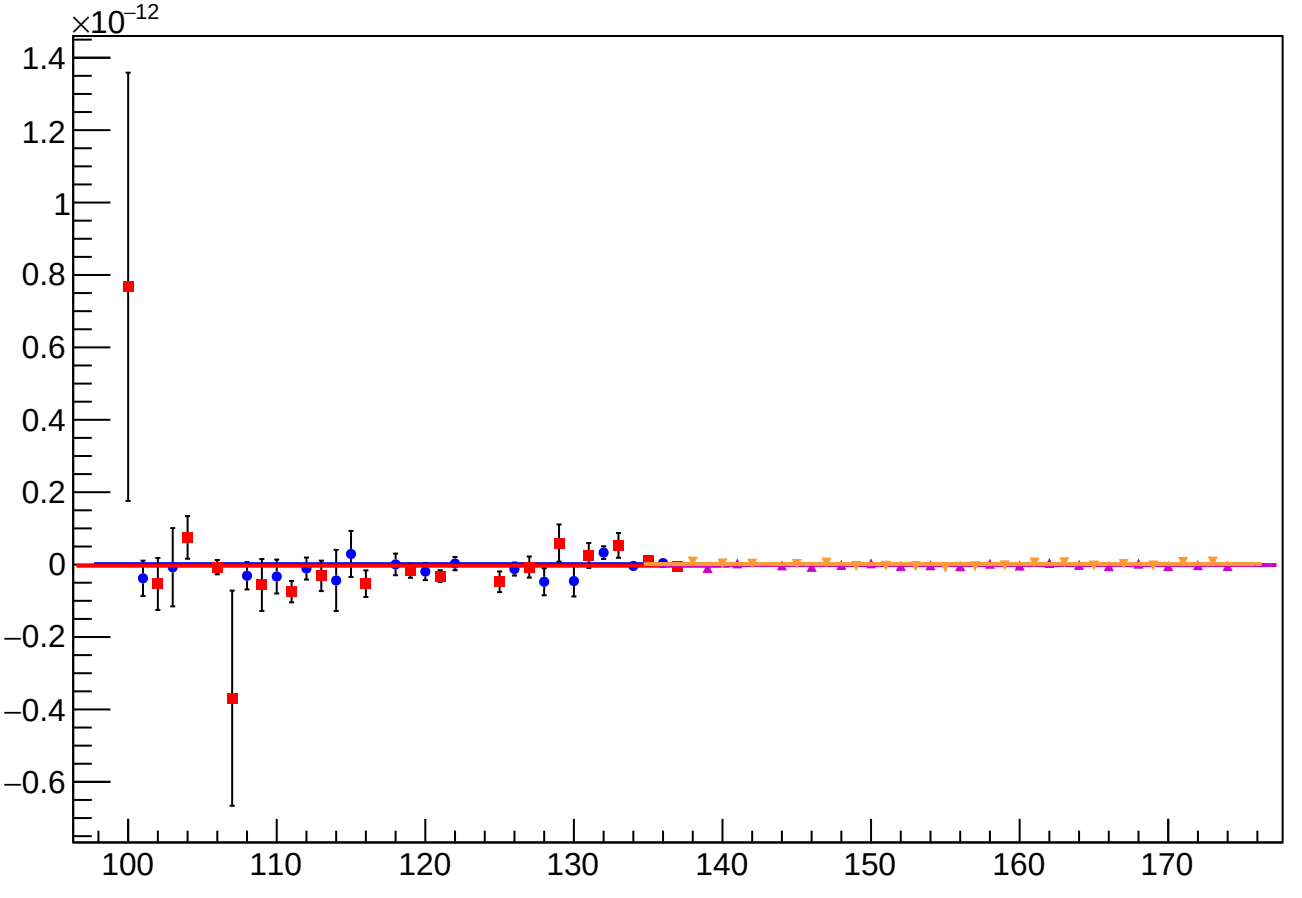
Right: 41.932+/-0.009 χ^2/NDF: 2896430.8/33

In: 40.179+/-0.007 χ^2/NDF:1908864.1/33

Out: 38.894+/-0.007 χ^2/NDF:1831804.6/35

All: 39.534+/-0.005 χ^2/NDF: 3758958.0/69

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.5/17

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/17

Left In: -0.000+/-0.000 χ^2/NDF:10.2/17

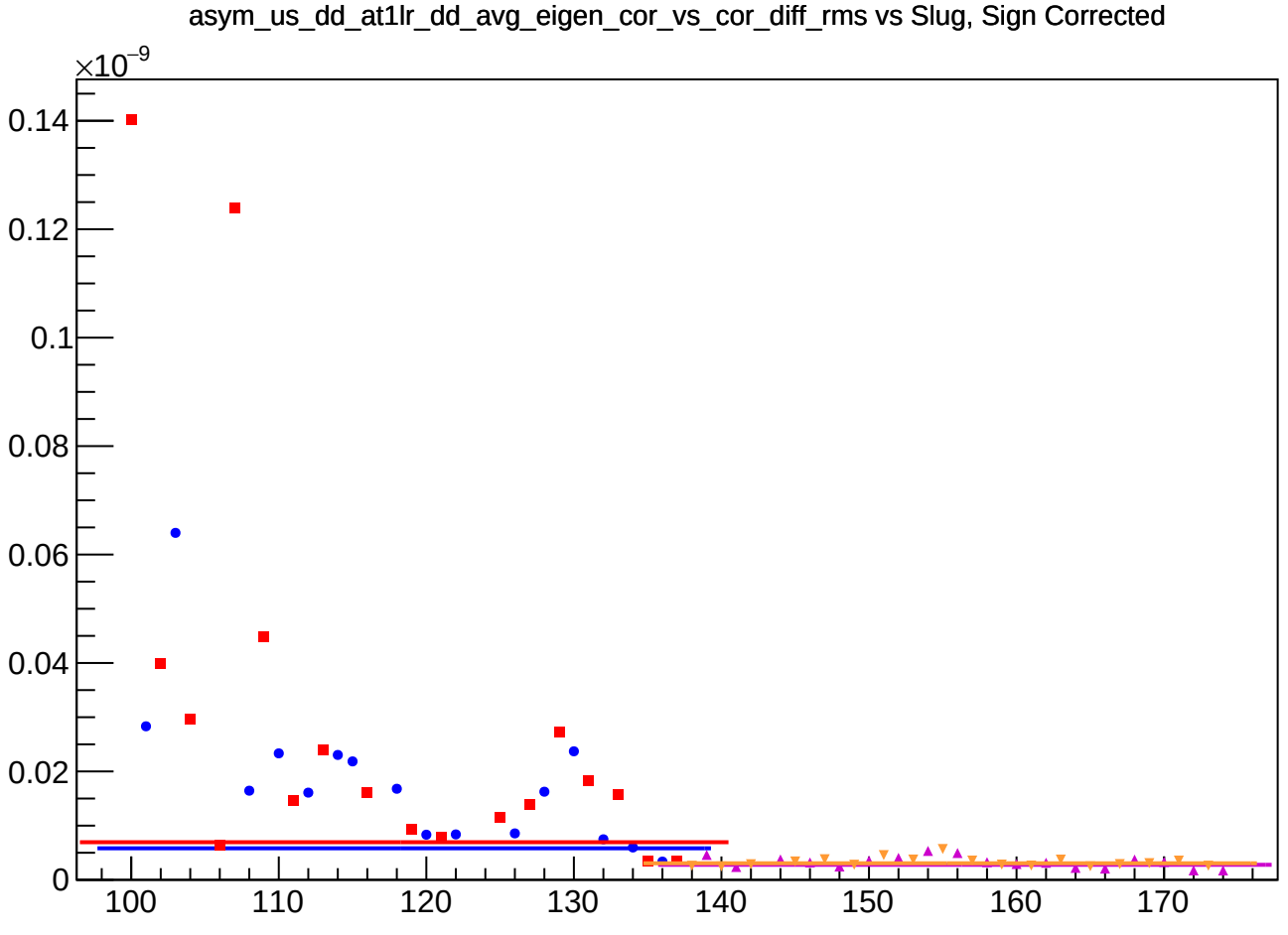
Left: 0.000+/-0.000 χ^2/NDF: 30.0/35

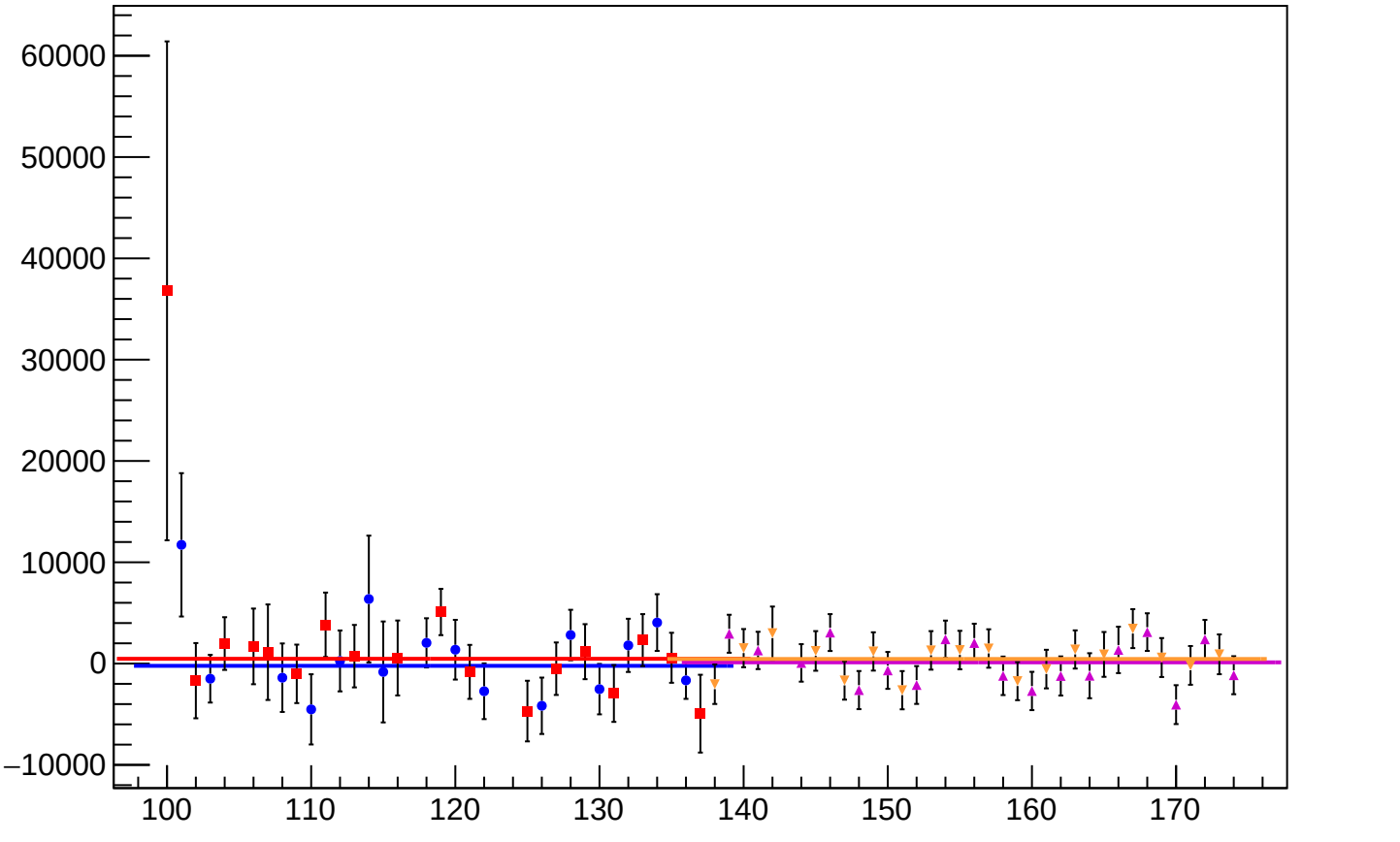
Right: -0.000+/-0.000 χ^2/NDF: 39.8/33

In: -0.000+/-0.000 χ^2/NDF:21.1/33

Out: 0.000+/-0.000 χ^2/NDF:46.2/35

All: 0.000+/-0.000 χ^2/NDF: 69.9/69


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3296021.2/15
Left Out: 0.000+/-0.000 χ²/NDF:617567.0/17
Right Out: 0.000+/-0.000 χ²/NDF: 3789910.8/17
Left In: 0.000+/-0.000 χ²/NDF:1598472.6/17
Left: 0.000+/-0.000 χ²/NDF: 2285987.0/35
Right: 0.000+/-0.000 χ²/NDF: 7152698.2/33
In: 0.000+/-0.000 χ²/NDF:6022992.3/33
Out: 0.000+/-0.000 χ²/NDF:5678849.8/35
All: 0.000+/-0.000 χ²/NDF: 11781246.4/69



Right In: -222.980+/-709.150 χ^2/NDF: 15.8/15

Left Out: 454.199+/-459.319 χ^2/NDF:12.4/17

Right Out: 472.410+/-711.475 χ^2/NDF: 15.9/17

Left In: 121.369+/-449.449 χ^2/NDF:24.6/17

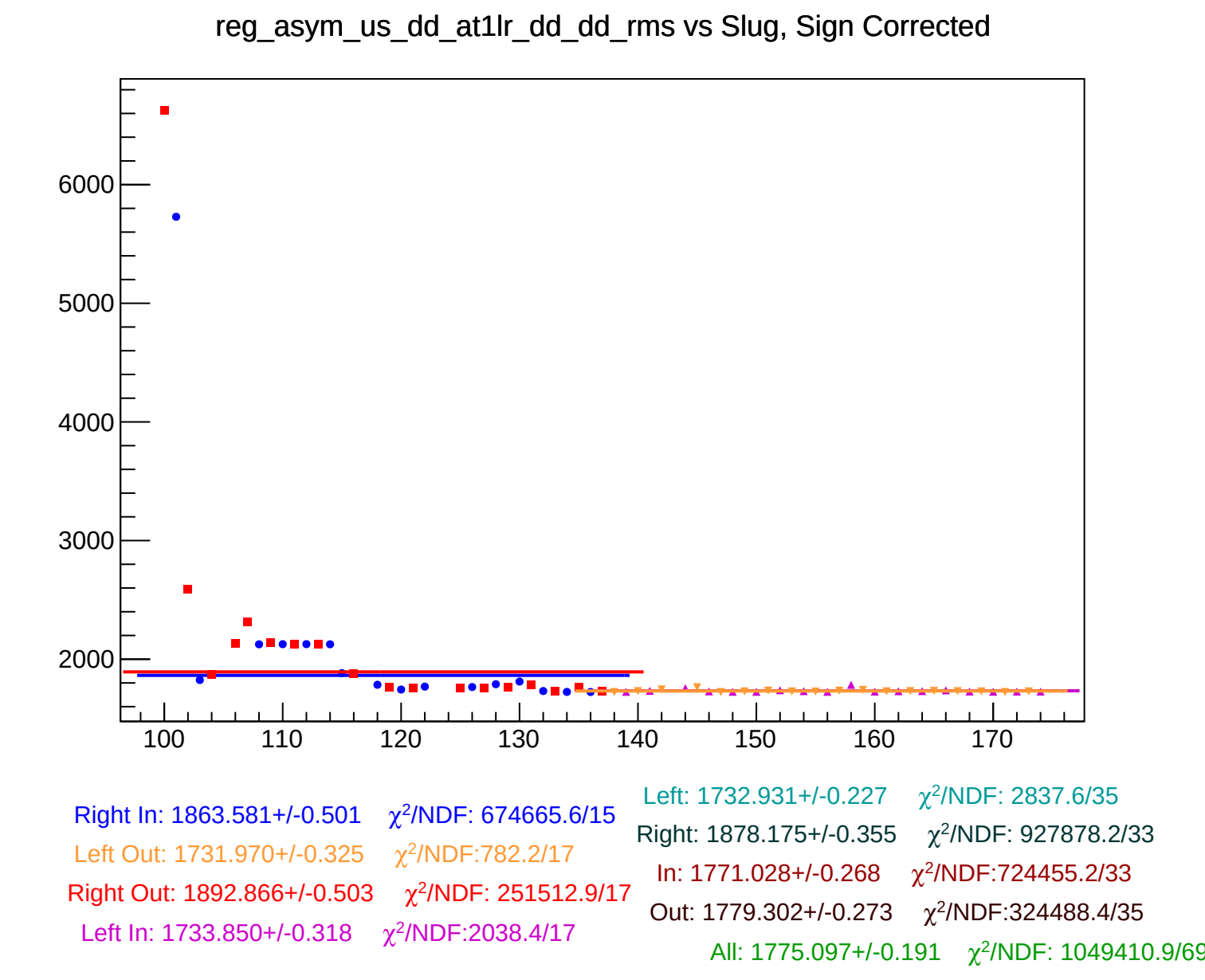
Left: 284.170+/-321.241 χ^2/NDF: 37.2/35

Right: 123.577+/-502.265 χ^2/NDF: 32.2/33

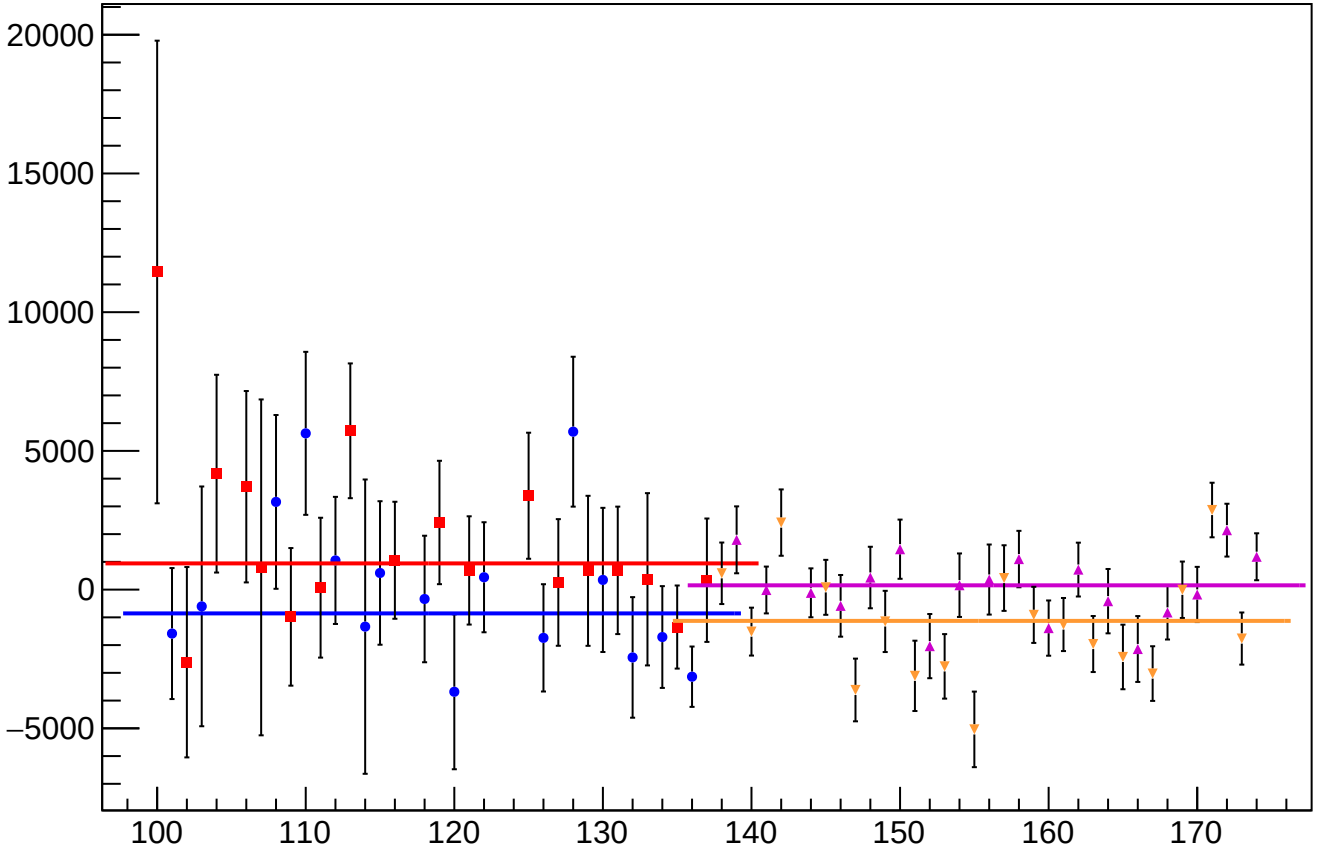
In: 22.688+/-379.626 χ^2/NDF:40.6/33

Out: 459.556+/-385.889 χ^2/NDF:28.2/35

All: 237.548+/-270.623 χ^2/NDF: 69.5/69


reg_asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1863.581+/-0.501 χ²/NDF: 674665.6/15
Left Out: 1731.970+/-0.325 χ²/NDF:782.2/17
Right Out: 1892.866+/-0.503 χ²/NDF: 251512.9/17
Left In: 1733.850+/-0.318 χ²/NDF:2038.4/17
Left: 1732.931+/-0.227 χ²/NDF: 2837.6/35
Right: 1878.175+/-0.355 χ²/NDF: 927878.2/33
In: 1771.028+/-0.268 χ²/NDF:724455.2/33
Out: 1779.302+/-0.273 χ²/NDF:324488.4/35
All: 1775.097+/-0.191 χ²/NDF: 1049410.9/69

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -857.294+/-549.791 χ^2/NDF: 20.6/15

Left Out: -1127.235+/-249.616 χ^2/NDF:56.0/17

Right Out: 944.718+/-583.967 χ^2/NDF: 12.9/17

Left In: 154.497+/-242.050 χ^2/NDF:22.1/17

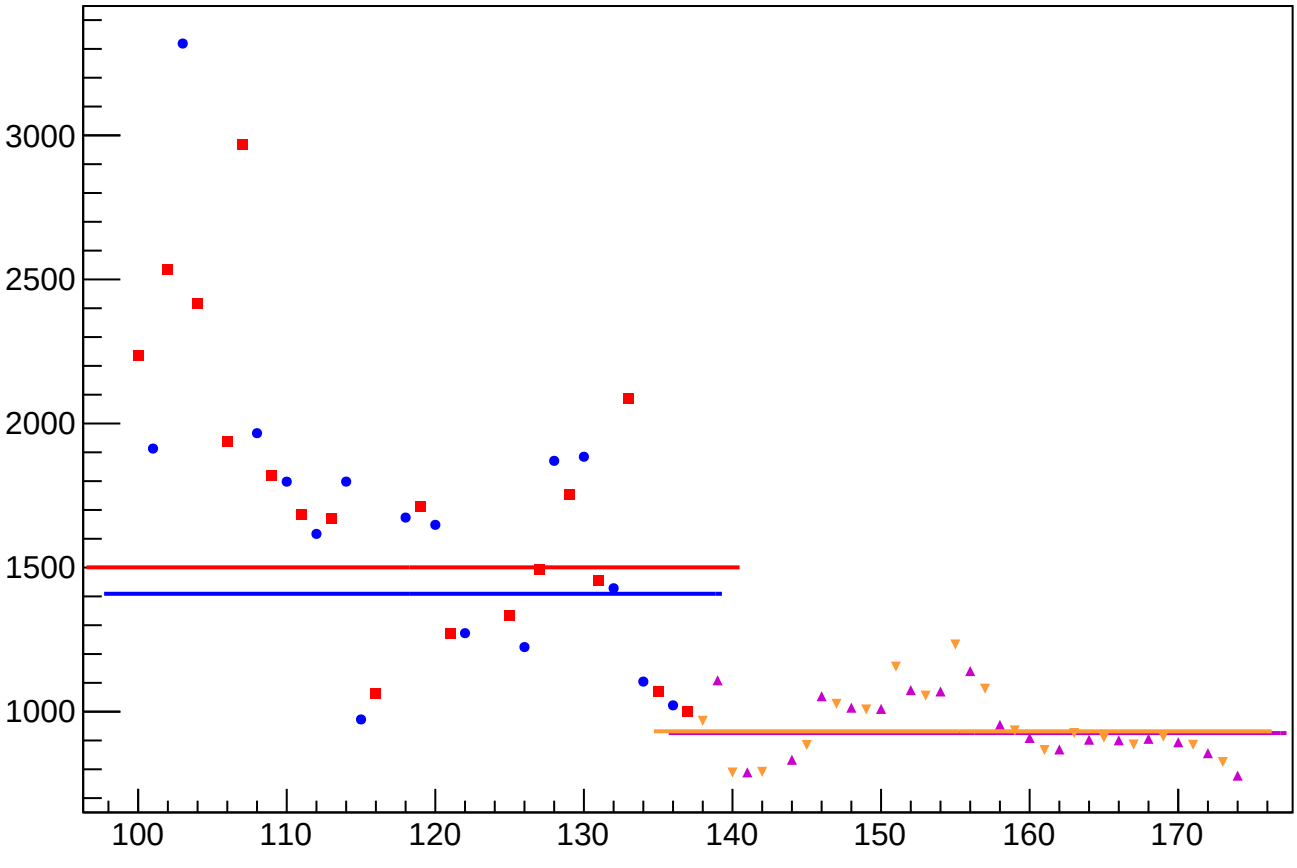
Left: -466.650+/-173.769 χ^2/NDF: 91.7/35

Right: -10.558+/-400.298 χ^2/NDF: 38.6/33

In: -9.776+/-221.531 χ^2/NDF:45.6/33

Out: -807.147+/-229.527 χ^2/NDF:79.6/35

All: -394.332+/-159.398 χ^2/NDF: 131.4/69



Right In: 1409.096+/-0.389 χ^2/NDF: 1167706.6/15

Left Out: 931.892+/-0.177 χ^2/NDF:372785.0/17

Right Out: 1500.801+/-0.413 χ^2/NDF: 1030768.2/17

Left In: 925.756+/-0.171 χ^2/NDF:380258.1/17

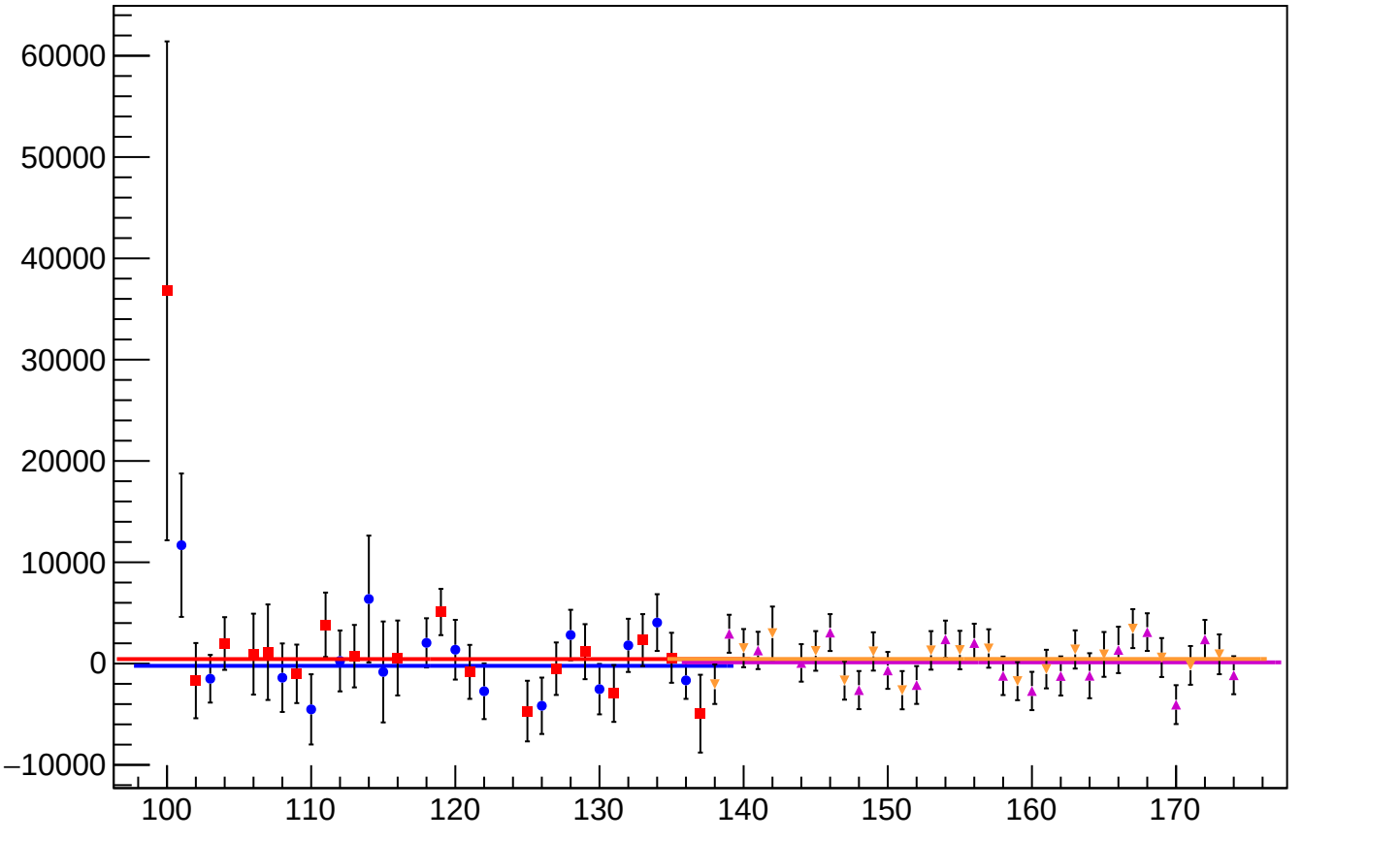
Left: 928.730+/-0.123 χ^2/NDF: 753665.8/35

Right: 1452.187+/-0.283 χ^2/NDF: 2224621.1/33

In: 1004.231+/-0.157 χ^2/NDF:2842747.9/33

Out: 1019.780+/-0.162 χ^2/NDF:3008496.7/35

All: 1011.730+/-0.113 χ^2/NDF: 5855996.8/69


cor_asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
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10000
0
−10000
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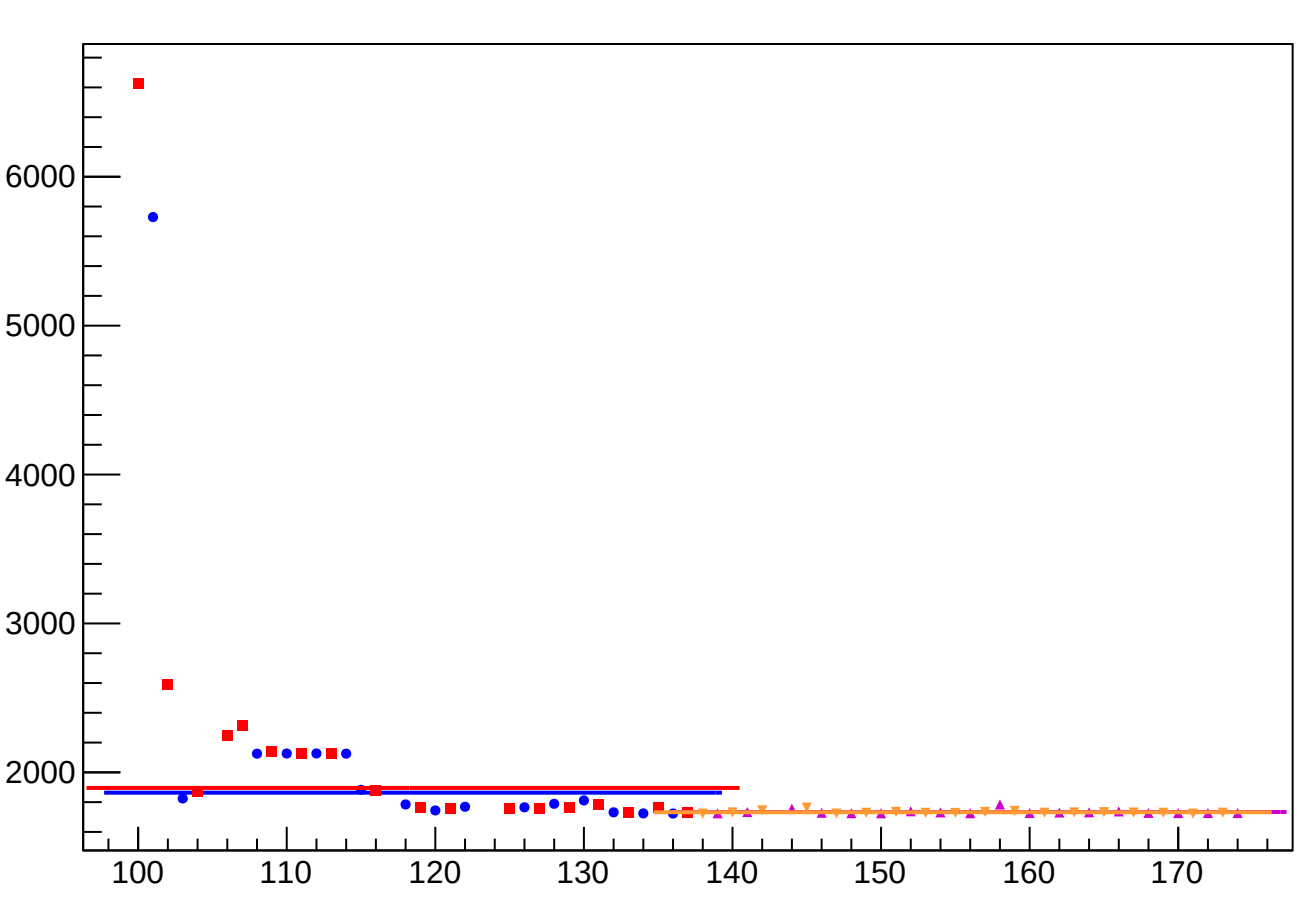
120
130
140
150
160
170
Right In: -223.754+/-709.151 χ²/NDF: 15.8/15
Left Out: 454.235+/-459.319 χ²/NDF:12.4/17
Right Out: 443.022+/-713.098 χ²/NDF: 15.8/17
Left In: 121.407+/-449.449 χ²/NDF:24.6/17
Left: 284.207+/-321.241 χ²/NDF: 37.2/35
Right: 107.783+/-502.835 χ²/NDF: 32.0/33
In: 22.494+/-379.626 χ²/NDF:40.6/33
Out: 450.947+/-386.148 χ²/NDF:28.1/35
All: 233.072+/-270.712 χ²/NDF: 69.3/69



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.970+/-0.325 χ^2/NDF:782.2/17

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

Left: 1732.931+/-0.227 χ^2/NDF: 2837.6/35

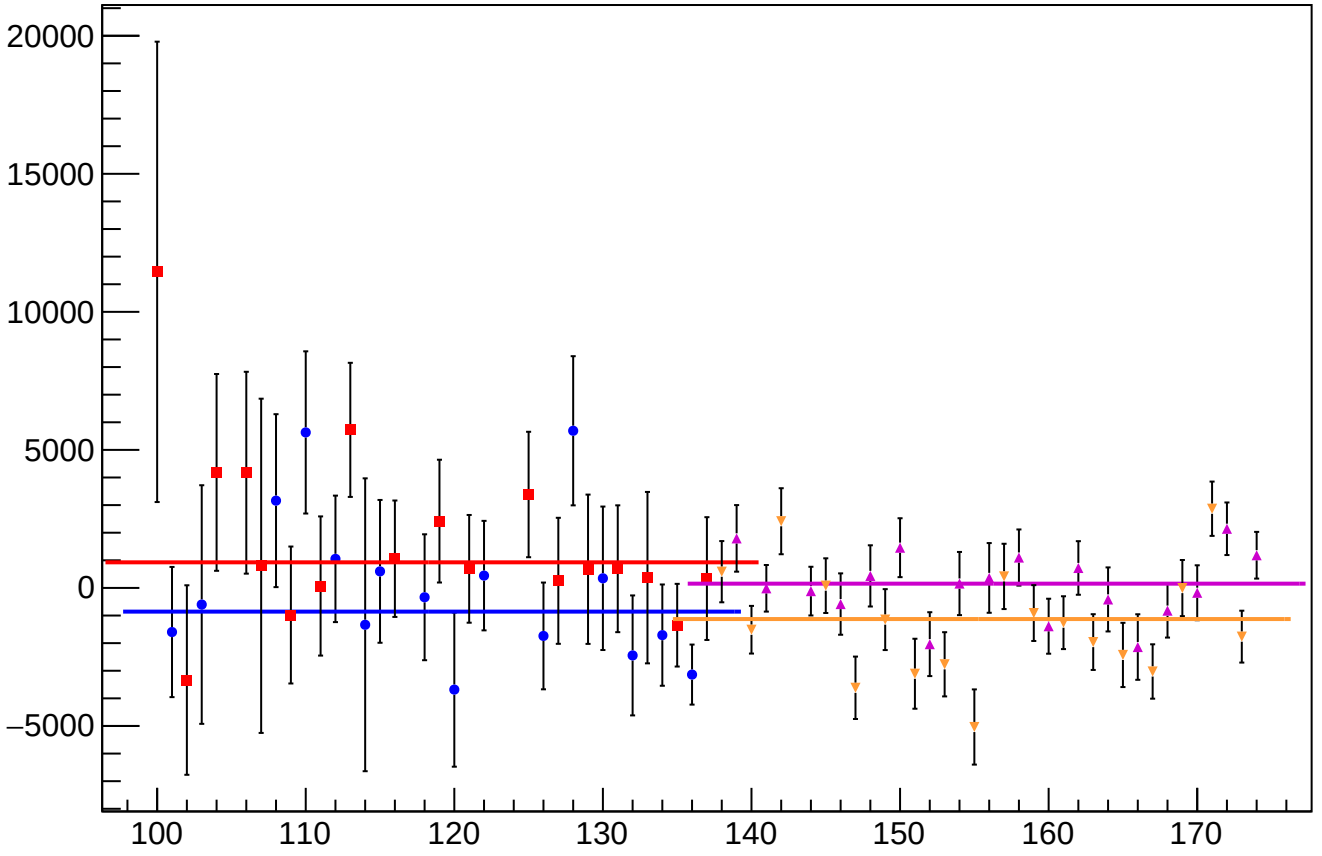
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1771.028+/-0.268 χ^2/NDF:724455.1/33

Out: 1779.920+/-0.273 χ^2/NDF:334283.0/35

All: 1775.398+/-0.191 χ^2/NDF: 1059277.4/69

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -858.115+/-549.748 χ^2/NDF: 20.6/15

Left Out: -1127.259+/-249.616 χ^2/NDF:56.0/17

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 154.512+/-242.049 χ^2/NDF:22.1/17

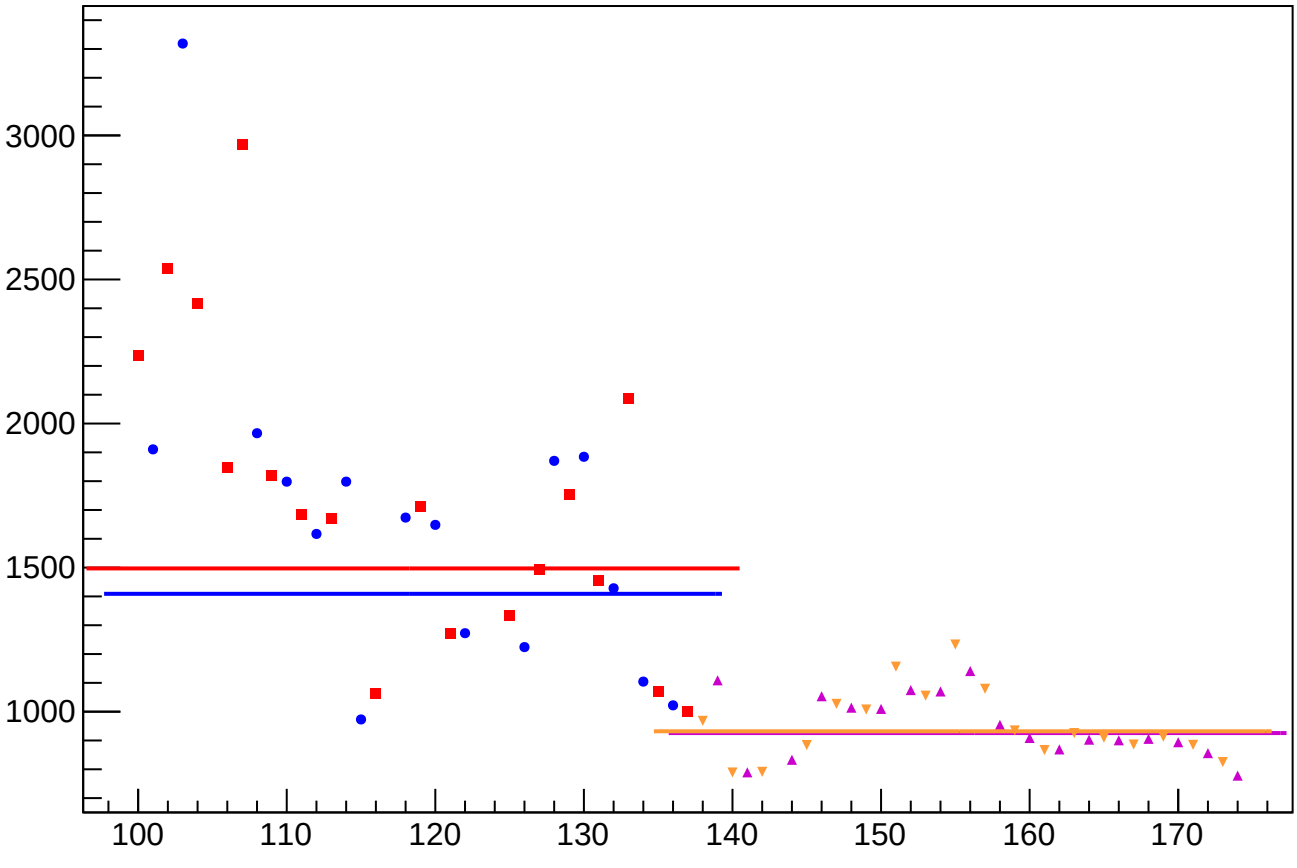
Left: -466.653+/-173.768 χ^2/NDF: 91.7/35

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -9.917+/-221.528 χ^2/NDF:45.6/33

Out: -810.719+/-229.582 χ^2/NDF:80.0/35

All: -396.024+/-159.415 χ^2/NDF: 131.9/69



Right In: 1409.018+/-0.389 χ^2/NDF: 1167065.5/15

Left Out: 931.889+/-0.177 χ^2/NDF:372771.2/17

Right Out: 1497.149+/-0.414 χ^2/NDF: 1018123.6/17

Left In: 925.752+/-0.171 χ^2/NDF:380275.0/17

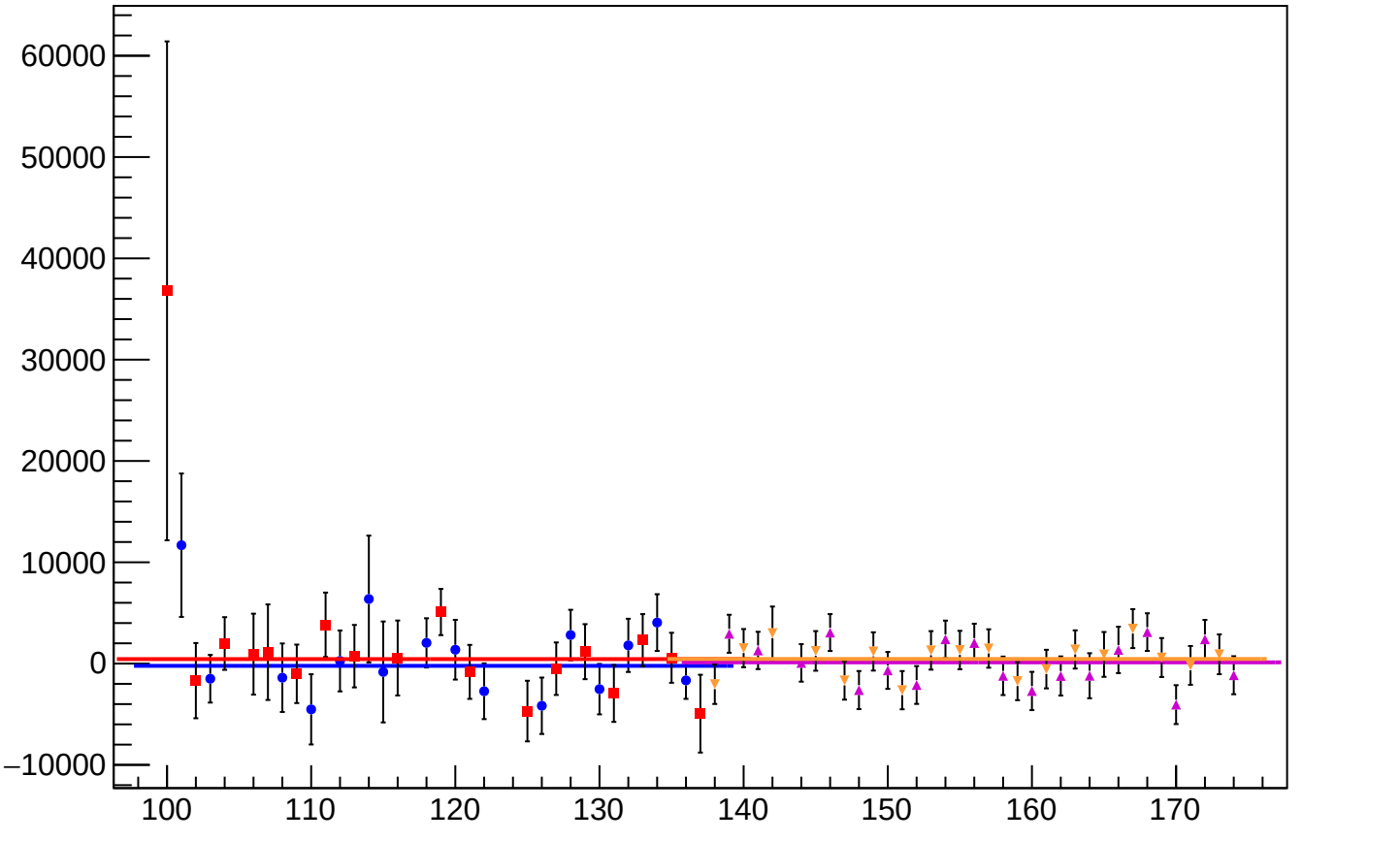
Left: 928.726+/-0.123 χ^2/NDF: 753669.3/35

Right: 1450.357+/-0.283 χ^2/NDF: 2209298.3/33

In: 1004.224+/-0.157 χ^2/NDF:2841902.8/33

Out: 1018.982+/-0.162 χ^2/NDF:2971103.5/35

All: 1011.339+/-0.113 χ^2/NDF: 5817285.9/69



Right In: -223.754+/-709.151 χ^2/NDF: 15.8/15

Left Out: 454.235+/-459.319 χ^2/NDF:12.4/17

Right Out: 443.022+/-713.098 χ^2/NDF: 15.8/17

Left In: 121.407+/-449.449 χ^2/NDF:24.6/17

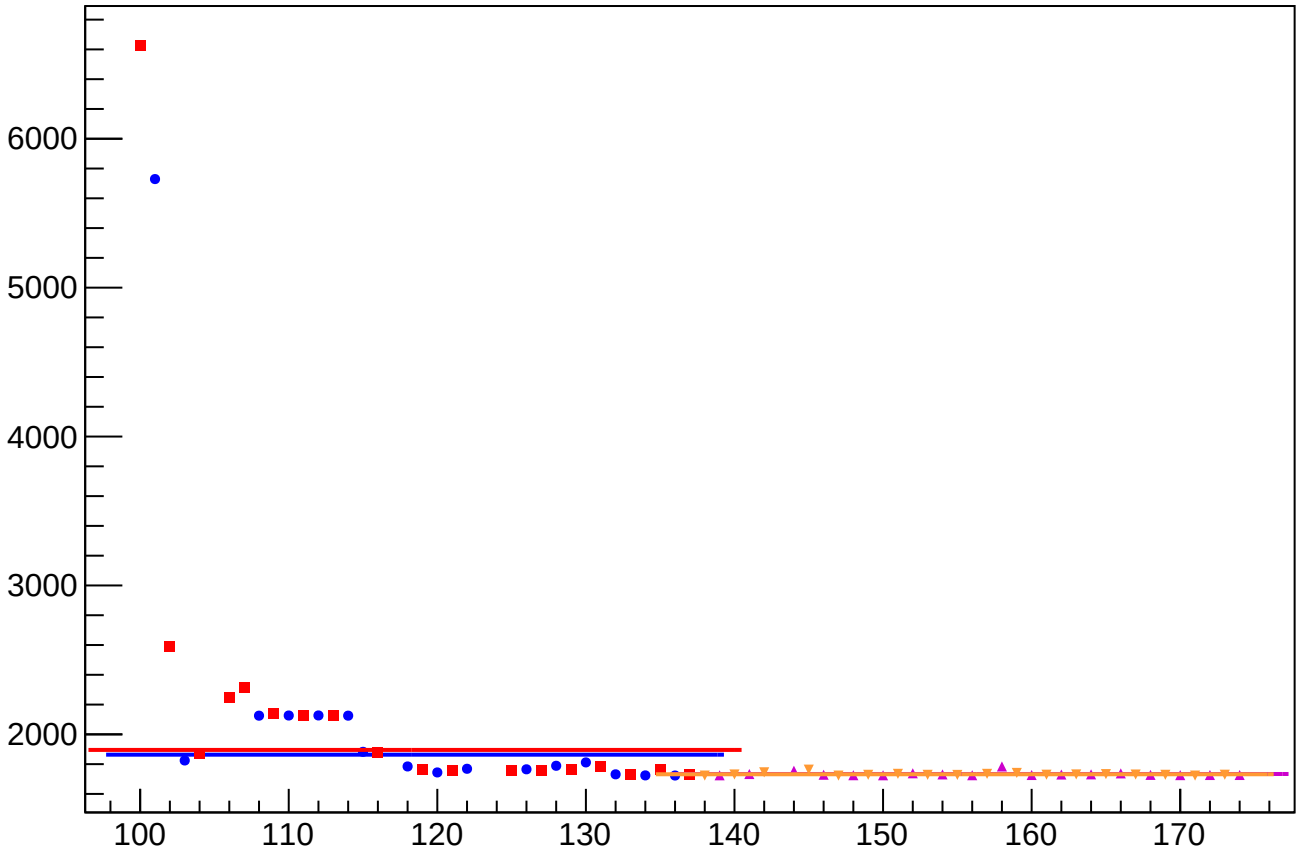
Left: 284.207+/-321.241 χ^2/NDF: 37.2/35

Right: 107.783+/-502.835 χ^2/NDF: 32.0/33

In: 22.494+/-379.626 χ^2/NDF:40.6/33

Out: 450.947+/-386.148 χ^2/NDF:28.1/35

All: 233.072+/-270.712 χ^2/NDF: 69.3/69



Right In: 1863.581+/-0.501 χ^2/NDF: 674665.4/15

Left Out: 1731.970+/-0.325 χ^2/NDF:782.2/17

Right Out: 1895.491+/-0.504 χ^2/NDF: 259171.7/17

Left In: 1733.851+/-0.318 χ^2/NDF:2038.4/17

Left: 1732.931+/-0.227 χ^2/NDF: 2837.6/35

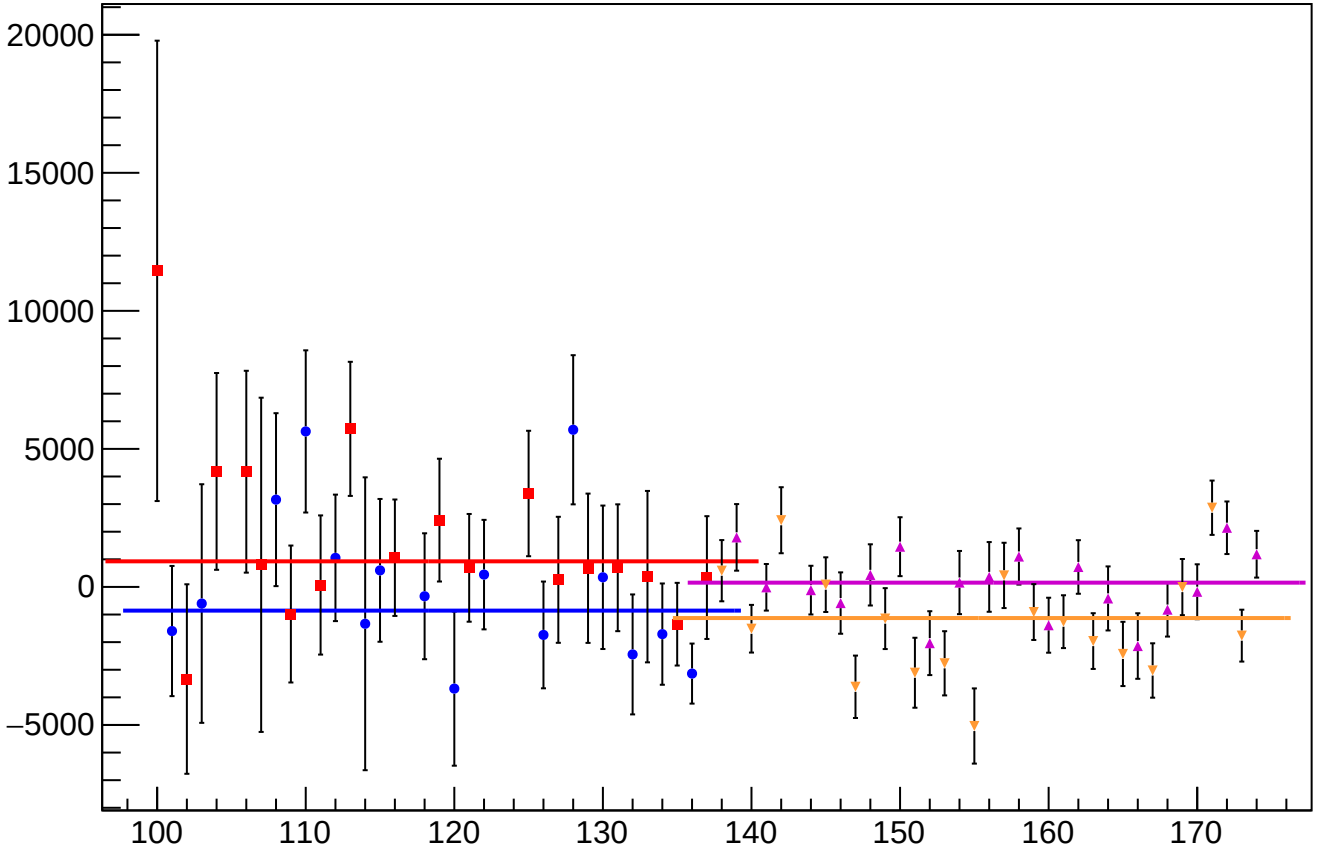
Right: 1879.447+/-0.356 χ^2/NDF: 935850.8/33

In: 1771.028+/-0.268 χ^2/NDF:724455.1/33

Out: 1779.920+/-0.273 χ^2/NDF:334283.0/35

All: 1775.398+/-0.191 χ^2/NDF: 1059277.4/69

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: -1127.259+/-249.616 χ^2/NDF:56.0/17

Right Out: 927.191+/-584.886 χ^2/NDF: 13.5/17

Left In: 154.512+/-242.049 χ^2/NDF:22.1/17

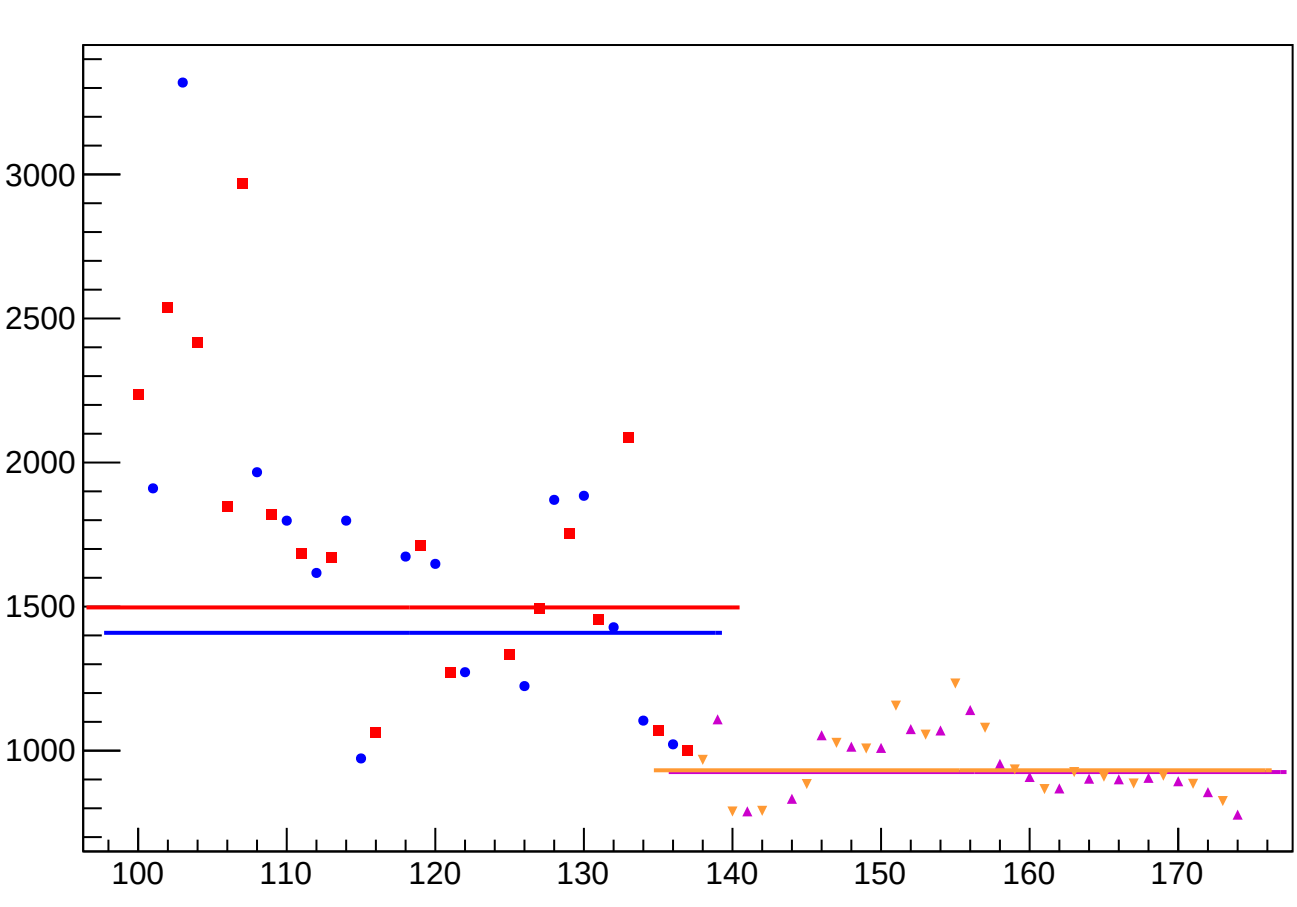
Left: -466.653+/-173.768 χ^2/NDF: 91.7/35

Right: -20.697+/-400.577 χ^2/NDF: 39.1/33

In: -9.917+/-221.528 χ^2/NDF:45.6/33

Out: -810.719+/-229.582 χ^2/NDF:80.0/35

All: -396.024+/-159.415 χ^2/NDF: 131.9/69


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
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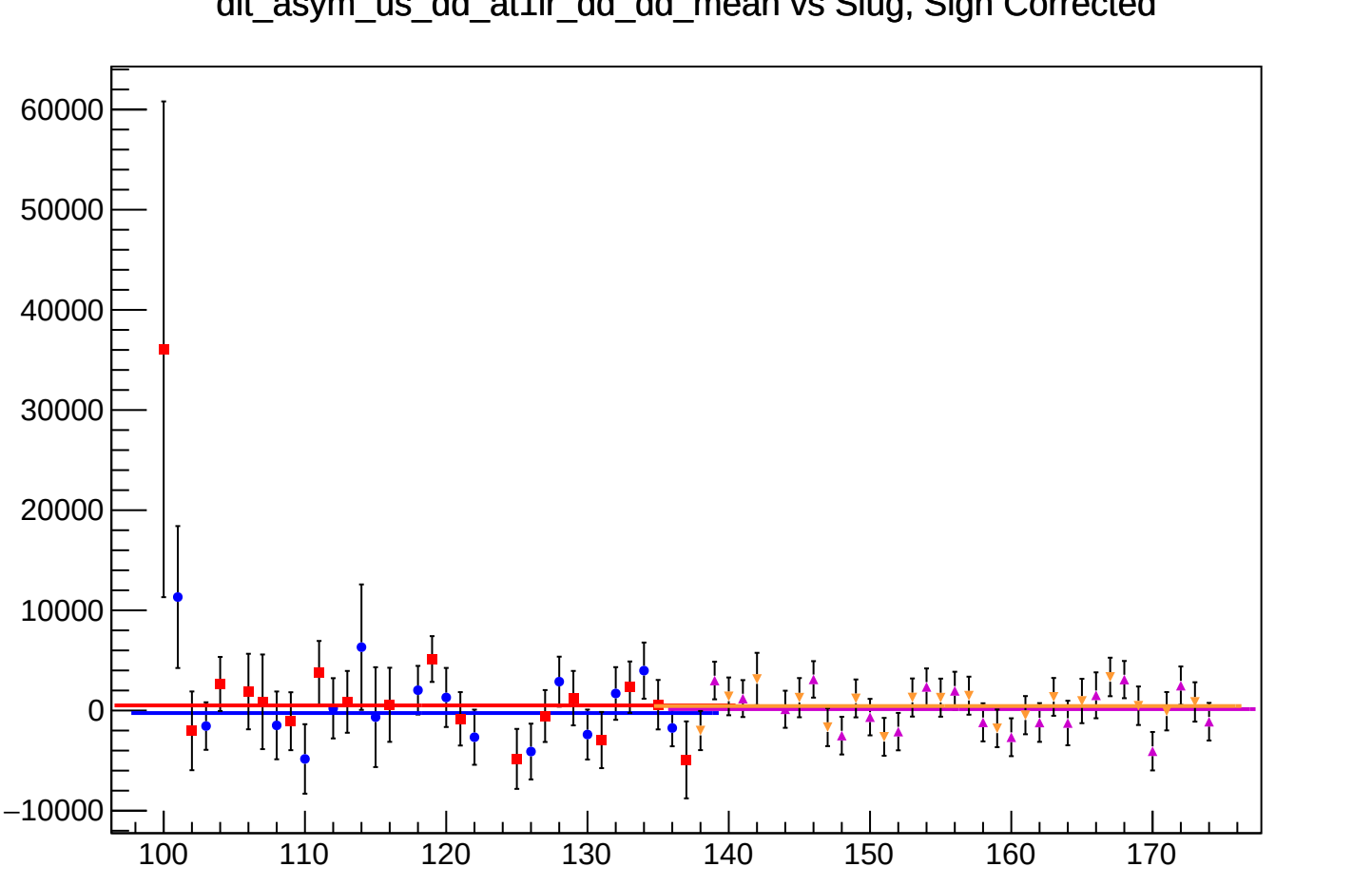
Right In: 1409.018+/-0.389 χ²/NDF: 1167065.5/15
Left Out: 931.889+/-0.177 χ²/NDF:372771.2/17
Right Out: 1497.149+/-0.414 χ²/NDF: 1018123.6/17
Left In: 925.752+/-0.171 χ²/NDF:380275.0/17
Left: 928.726+/-0.123 χ²/NDF: 753669.3/35
Right: 1450.357+/-0.283 χ²/NDF: 2209298.3/33
In: 1004.224+/-0.157 χ²/NDF:2841902.8/33
Out: 1018.982+/-0.162 χ²/NDF:2971103.5/35
All: 1011.339+/-0.113 χ²/NDF: 5817285.9/69



Right In: -252.024+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.591+/-459.514 χ^2/NDF:12.1/17

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 141.532+/-449.703 χ^2/NDF:24.4/17

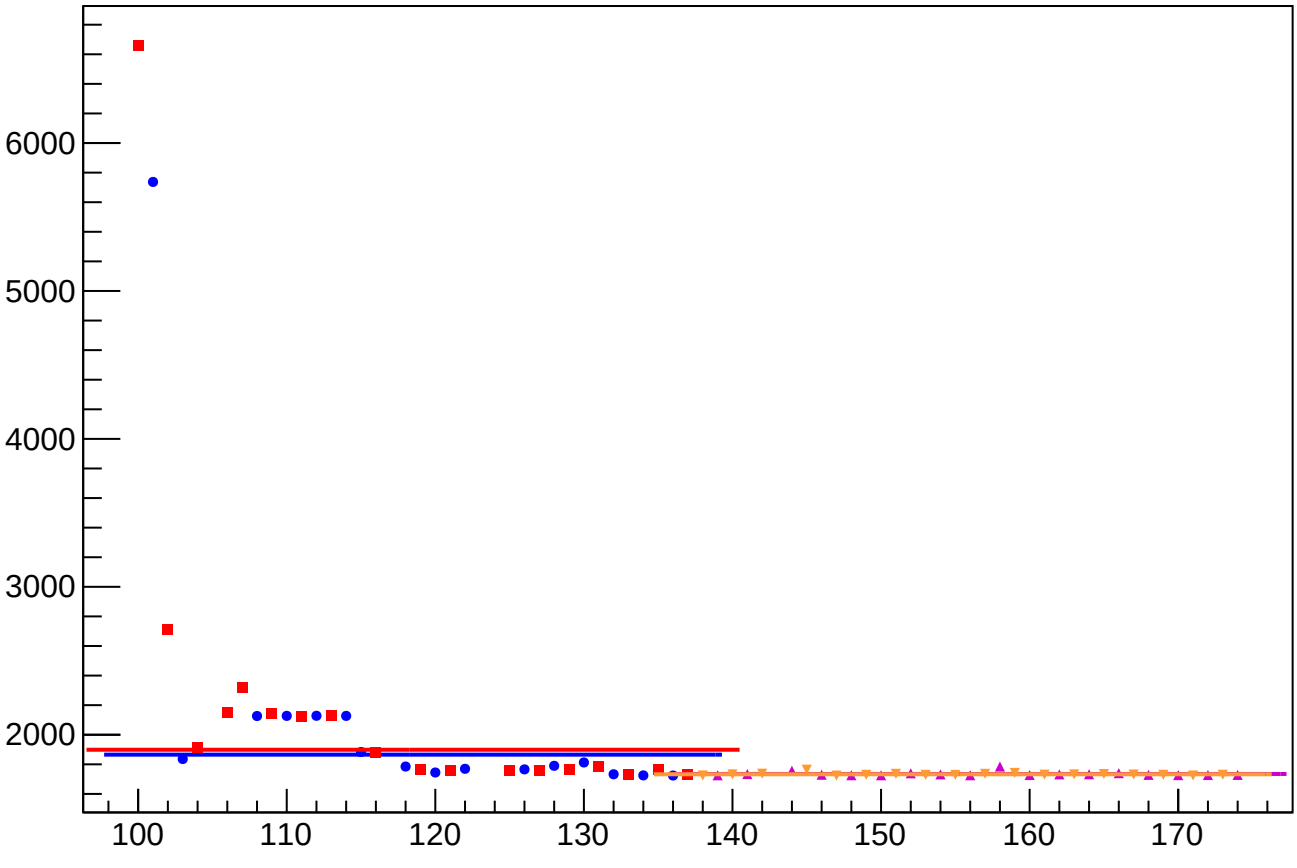
Left: 291.259+/-321.401 χ^2/NDF: 36.8/35

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 28.845+/-379.905 χ^2/NDF:40.3/33

Out: 465.852+/-386.635 χ^2/NDF:28.5/35

All: 243.512+/-270.981 χ^2/NDF: 69.5/69



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.674+/-0.325 χ^2/NDF:724.3/17

Right Out: 1898.603+/-0.506 χ^2/NDF: 269110.1/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

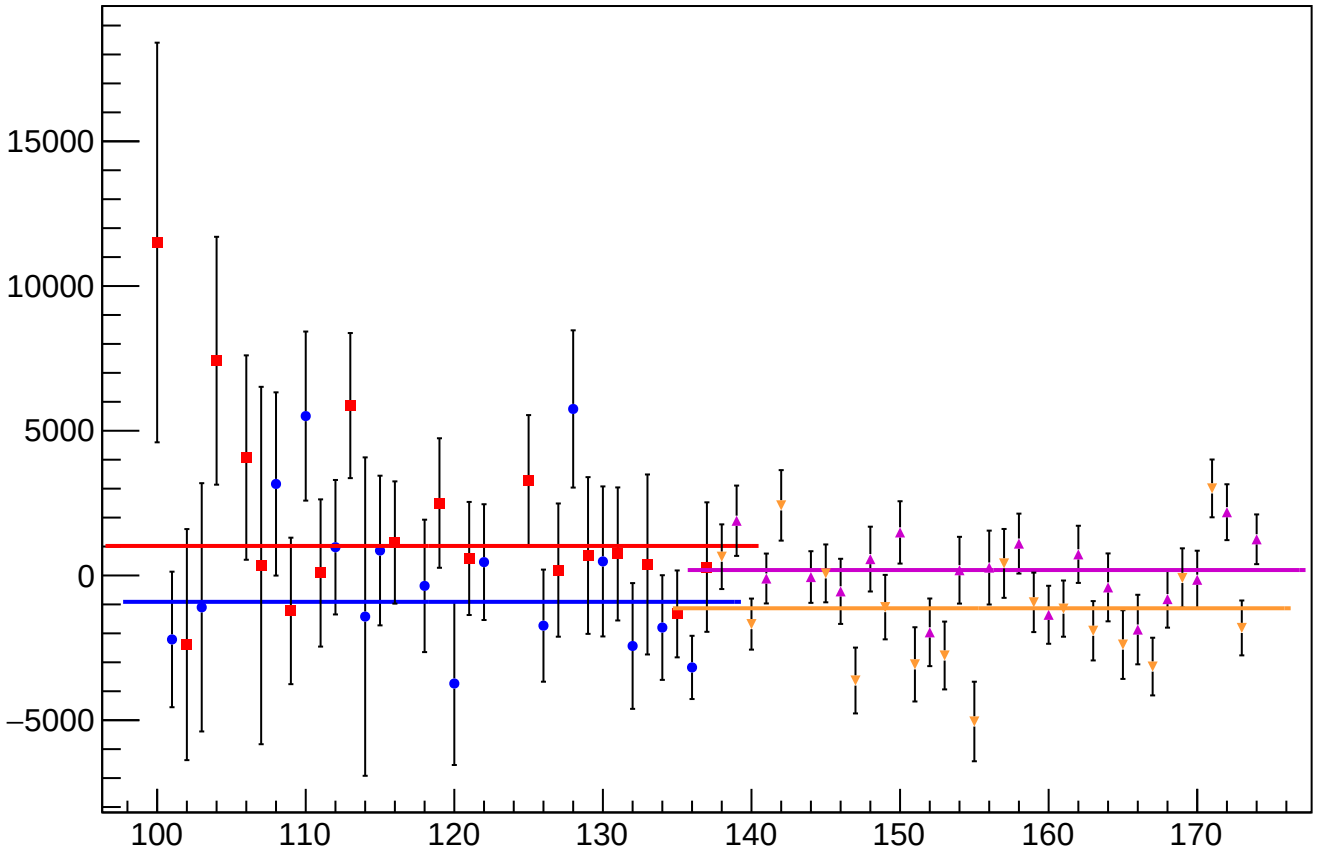
Left: 1733.776+/-0.227 χ^2/NDF: 2779.4/35

Right: 1881.894+/-0.356 χ^2/NDF: 946264.8/33

In: 1772.228+/-0.269 χ^2/NDF:725327.2/33

Out: 1781.133+/-0.273 χ^2/NDF:345995.0/35

All: 1776.602+/-0.192 χ^2/NDF: 1071862.0/69



Right In: -910.955+/-550.836 χ^2/NDF: 21.0/15

Left Out: -1133.027+/-252.710 χ^2/NDF:56.3/17

Right Out: 1020.124+/-591.600 χ^2/NDF: 14.9/17

Left In: 187.673+/-245.062 χ^2/NDF:21.2/17

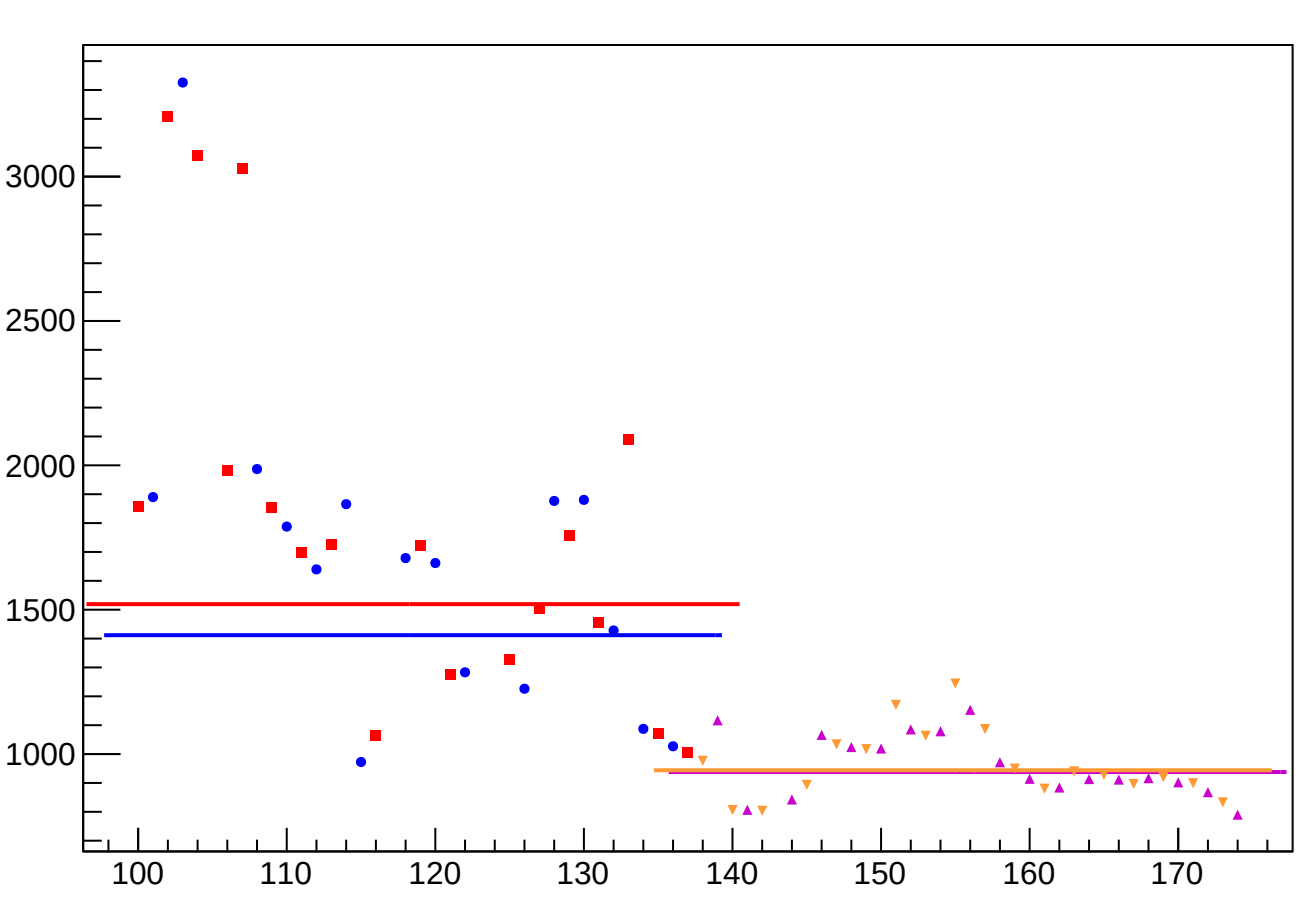
Left: -452.390+/-175.926 χ^2/NDF: 91.6/35

Right: -14.232+/-403.141 χ^2/NDF: 41.6/33

In: 6.153+/-223.903 χ^2/NDF:45.5/33

Out: -800.772+/-232.395 χ^2/NDF:82.5/35

All: -382.297+/-161.242 χ^2/NDF: 134.2/69


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected
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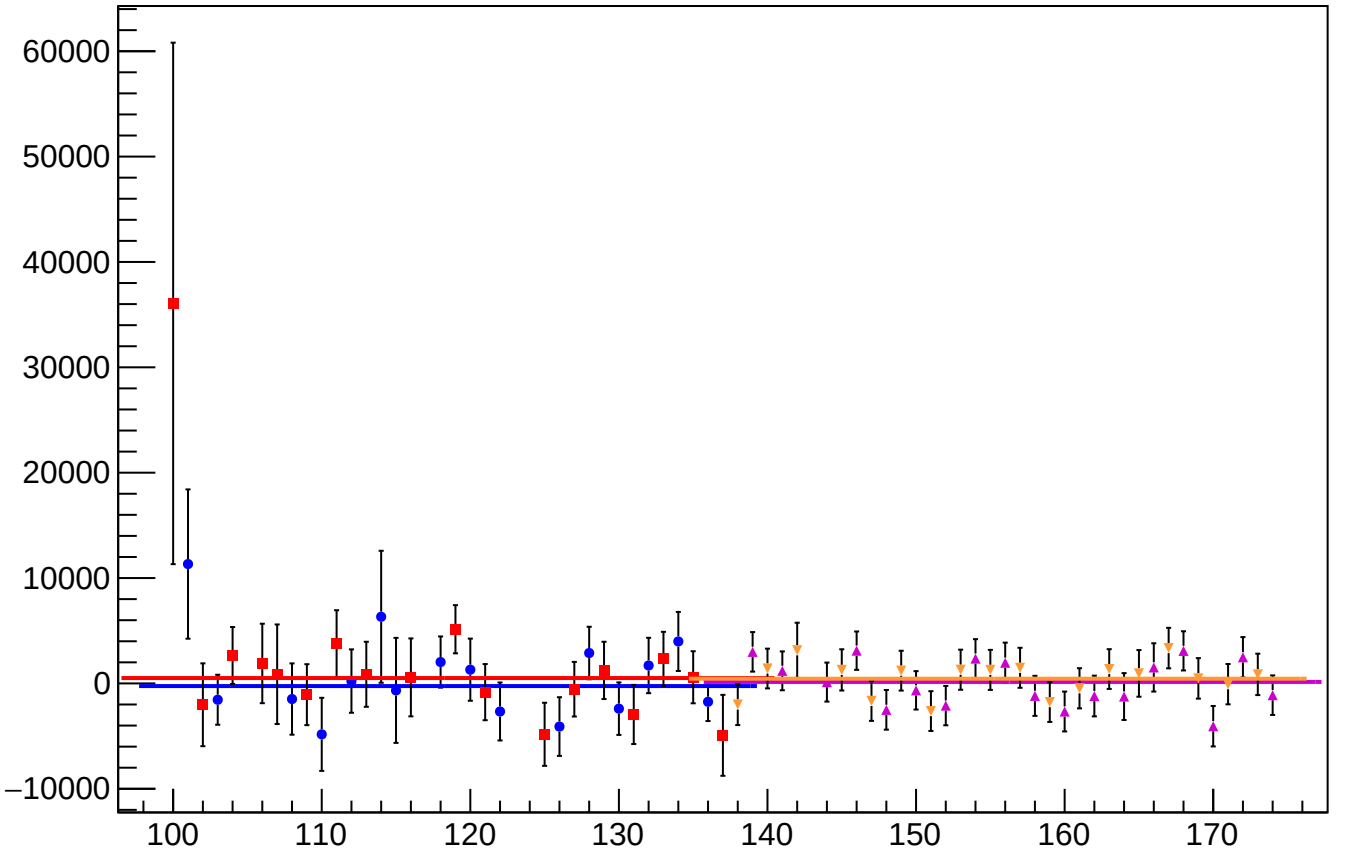
110
120
130
140
150
160
170
Right In: 1411.748+/-0.389 χ²/NDF: 1177745.4/15
Left Out: 943.928+/-0.179 χ²/NDF:357260.2/17
Right Out: 1519.305+/-0.418 χ²/NDF: 1360145.6/17
Left In: 937.749+/-0.173 χ²/NDF:364529.5/17
Left: 940.744+/-0.124 χ²/NDF: 722406.0/35
Right: 1461.694+/-0.285 χ²/NDF: 2573300.6/33
In: 1016.065+/-0.158 χ²/NDF:2778534.6/33
Out: 1032.715+/-0.164 χ²/NDF:3317290.5/35
All: 1024.081+/-0.114 χ²/NDF: 6101149.2/69



Right In: -252.023+/-709.973 χ^2/NDF: 15.6/15

Left Out: 447.591+/-459.514 χ^2/NDF:12.1/17

Right Out: 510.117+/-715.442 χ^2/NDF: 16.4/17

Left In: 141.532+/-449.703 χ^2/NDF:24.4/17

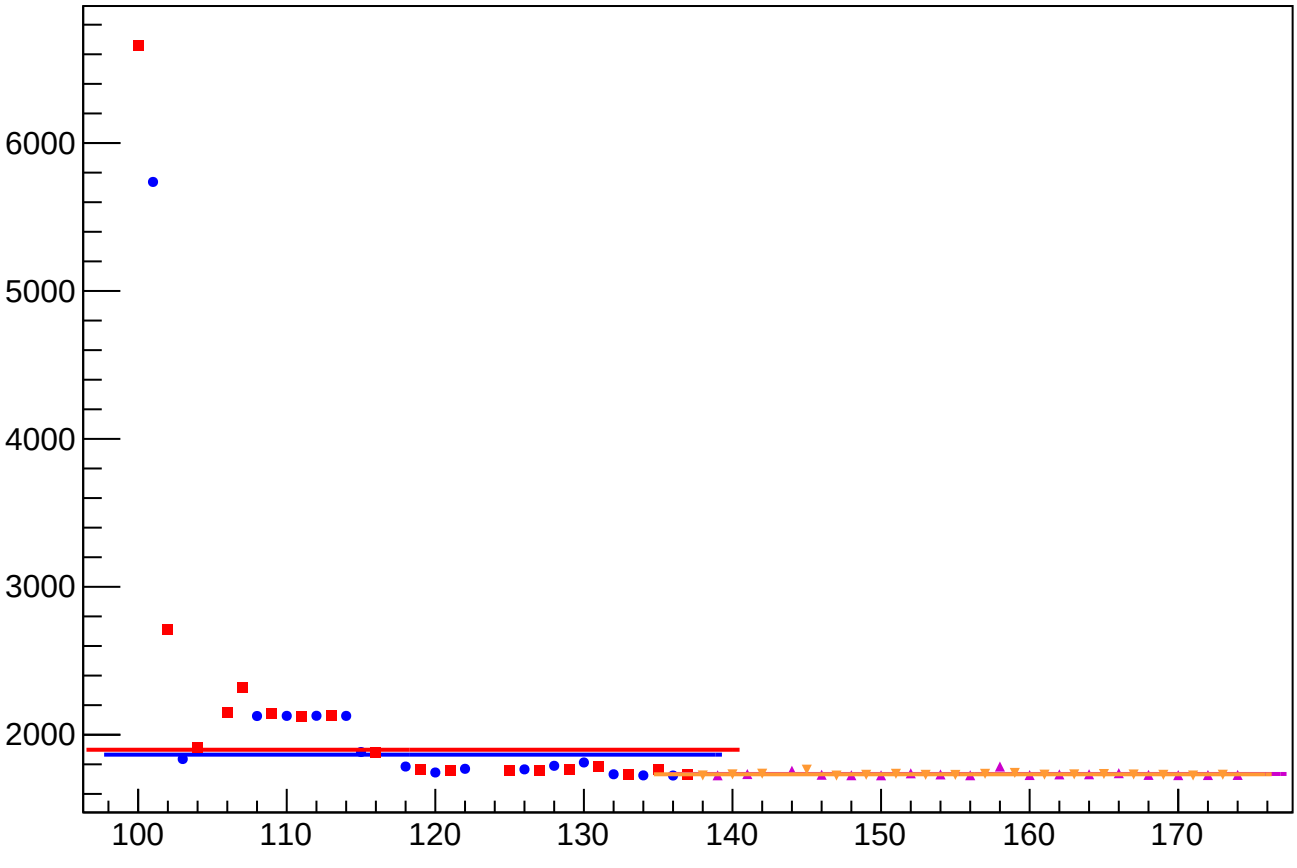
Left: 291.259+/-321.401 χ^2/NDF: 36.8/35

Right: 126.122+/-503.949 χ^2/NDF: 32.6/33

In: 28.845+/-379.905 χ^2/NDF:40.3/33

Out: 465.851+/-386.635 χ^2/NDF:28.5/35

All: 243.512+/-270.981 χ^2/NDF: 69.5/69



Right In: 1865.440+/-0.502 χ^2/NDF: 674989.6/15

Left Out: 1732.674+/-0.325 χ^2/NDF:724.3/17

Right Out: 1898.603+/-0.506 χ^2/NDF: 269109.9/17

Left In: 1734.831+/-0.318 χ^2/NDF:2032.6/17

Left: 1733.776+/-0.227 χ^2/NDF: 2779.4/35

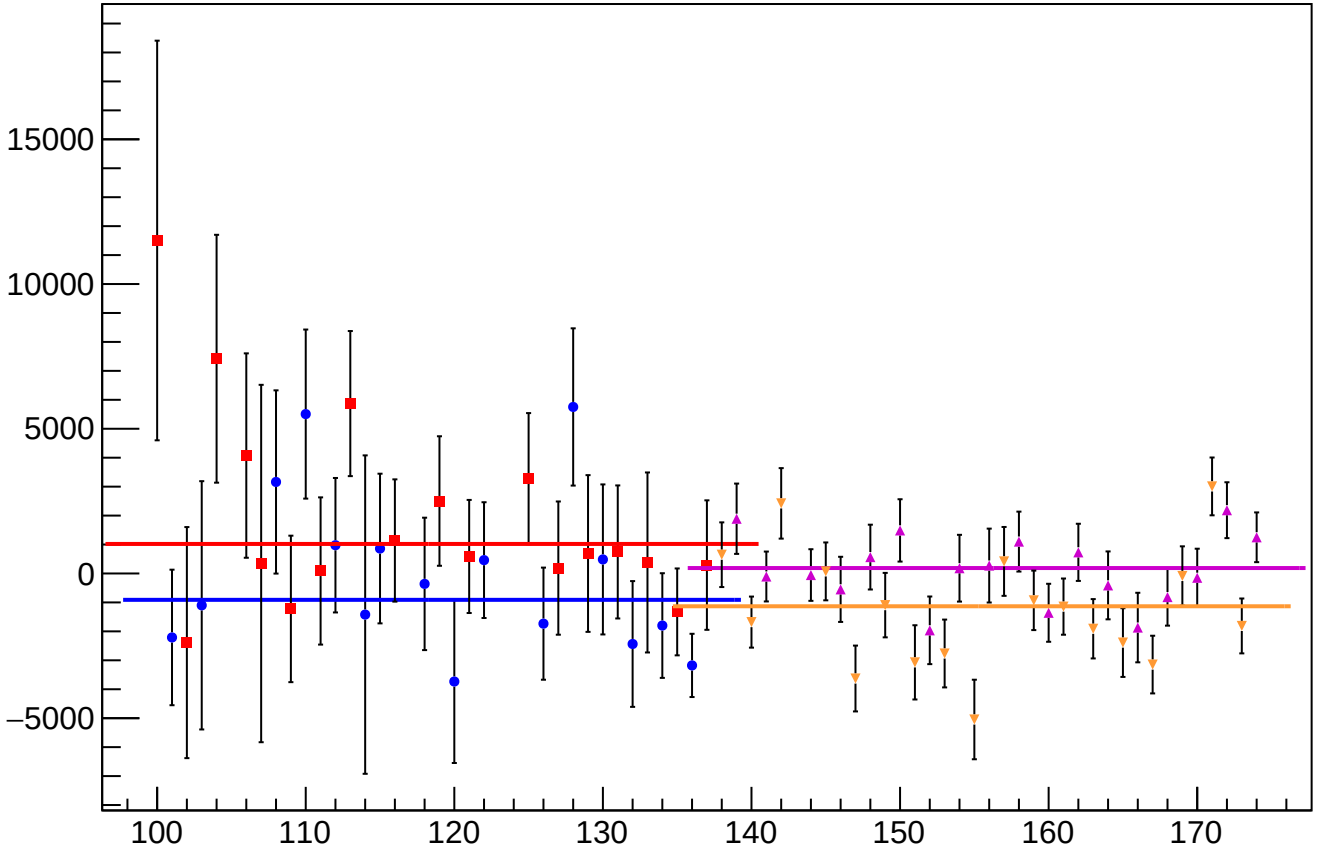
Right: 1881.894+/-0.356 χ^2/NDF: 946264.6/33

In: 1772.228+/-0.269 χ^2/NDF:725327.1/33

Out: 1781.133+/-0.273 χ^2/NDF:345994.7/35

All: 1776.602+/-0.192 χ^2/NDF: 1071861.7/69

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -910.950+/-550.835 χ^2/NDF: 21.0/15

Left Out: -1133.027+/-252.710 χ^2/NDF:56.3/17

Right Out: 1020.123+/-591.599 χ^2/NDF: 14.9/17

Left In: 187.671+/-245.061 χ^2/NDF:21.2/17

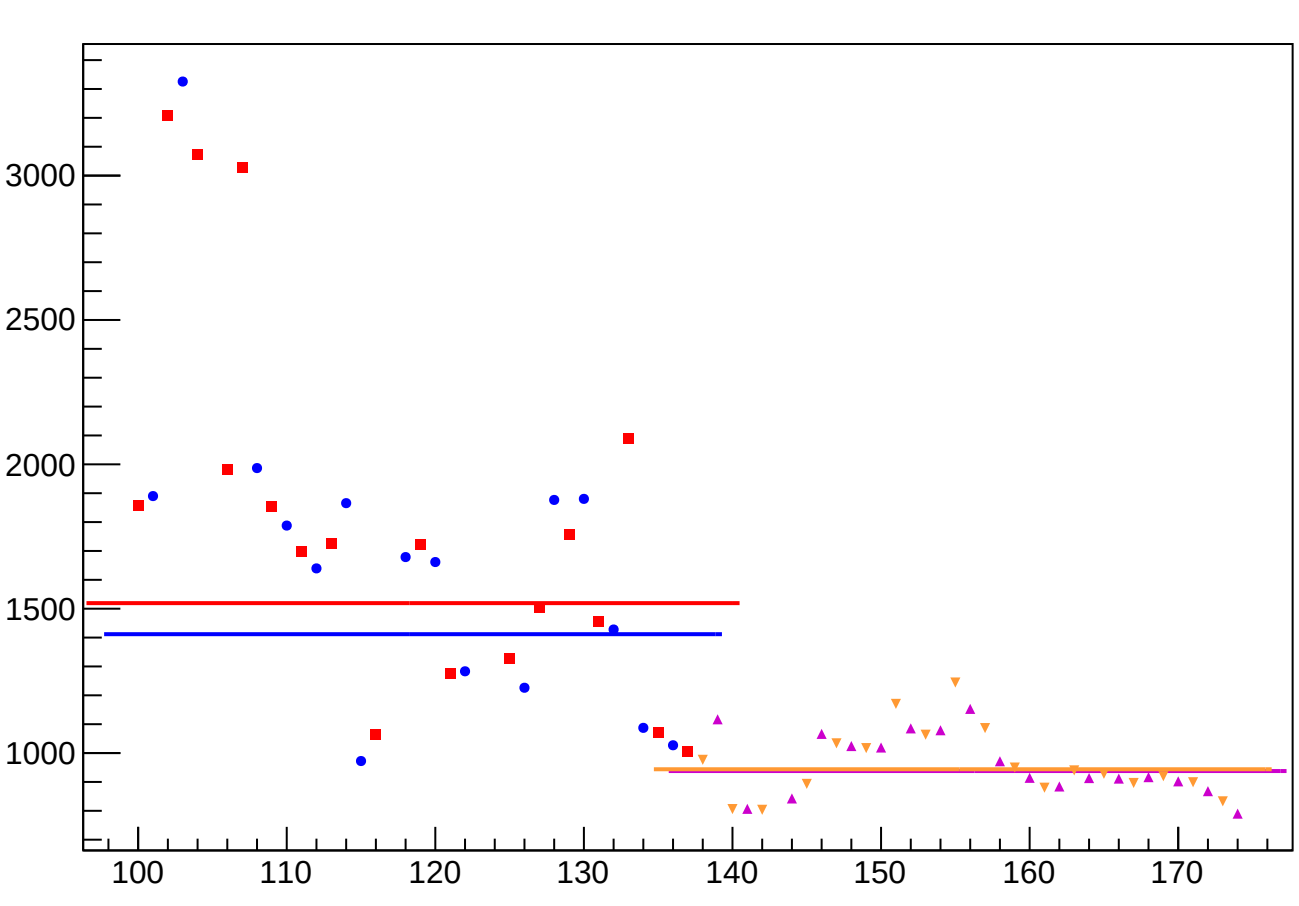
Left: -452.390+/-175.926 χ^2/NDF: 91.6/35

Right: -14.230+/-403.141 χ^2/NDF: 41.6/33

In: 6.151+/-223.903 χ^2/NDF:45.5/33

Out: -800.771+/-232.395 χ^2/NDF:82.5/35

All: -382.297+/-161.242 χ^2/NDF: 134.2/69


asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
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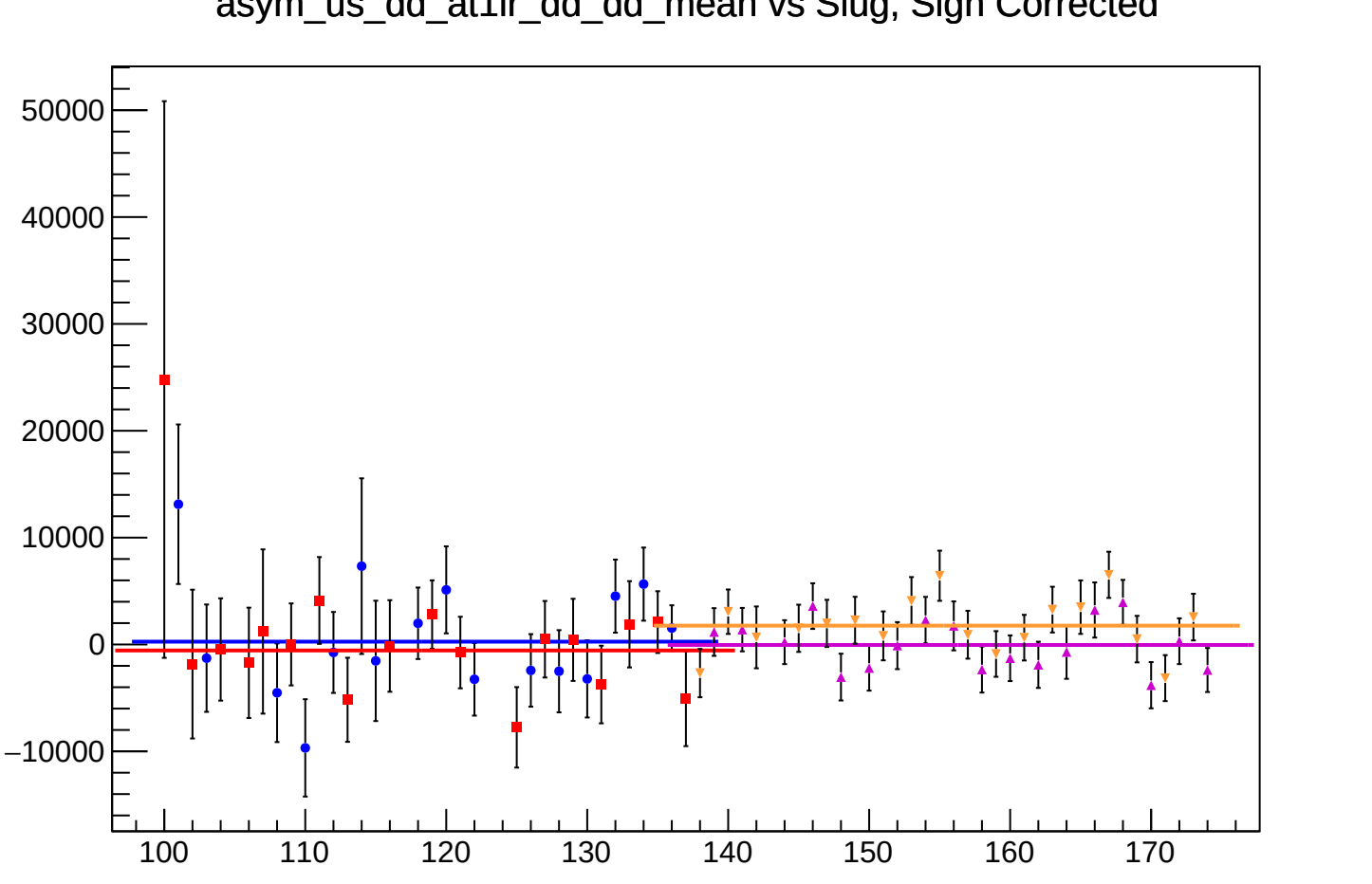
170
Right In: 1411.745+/-0.389 χ²/NDF: 1177746.1/15
Left Out: 943.928+/-0.179 χ²/NDF:357268.7/17
Right Out: 1519.302+/-0.418 χ²/NDF: 1360150.0/17
Left In: 937.749+/-0.173 χ²/NDF:364537.9/17
Left: 940.744+/-0.124 χ²/NDF: 722422.9/35
Right: 1461.691+/-0.285 χ²/NDF: 2573306.2/33
In: 1016.065+/-0.158 χ²/NDF:2778532.0/33
Out: 1032.715+/-0.164 χ²/NDF:3317294.8/35
All: 1024.080+/-0.114 χ²/NDF: 6101150.8/69


asym_us_dd_at1lr_dd_dd_mean vs Slug, Sign Corrected
50000
40000
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−10000
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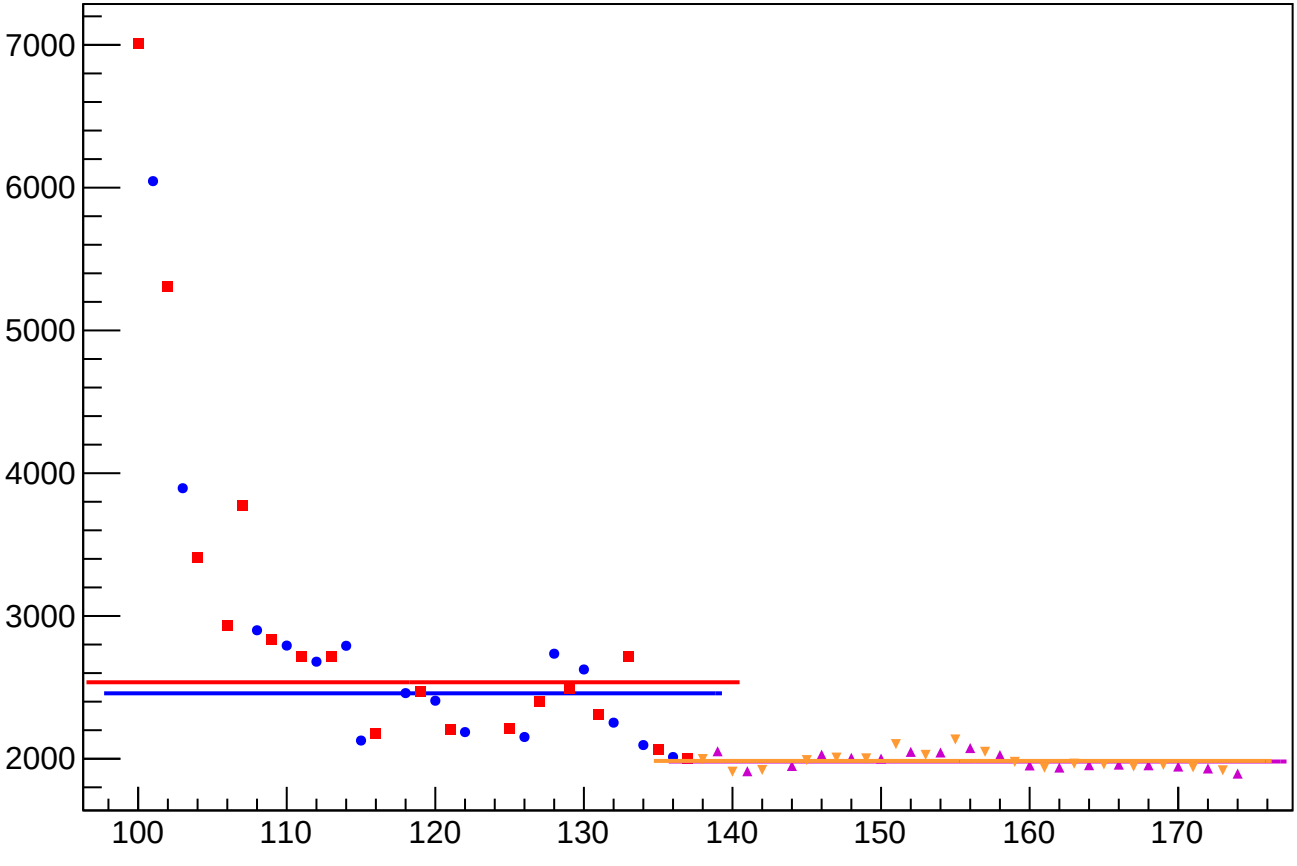
140
150
160
170
Right In: 264.383+/-941.979 χ²/NDF: 19.0/15
Left Out: 1762.101+/-526.700 χ²/NDF:23.1/17
Right Out: -560.962+/-962.943 χ²/NDF: 11.7/17
Left In: -44.808+/-513.673 χ²/NDF:20.2/17
Left: 836.025+/-367.741 χ²/NDF: 49.4/35
Right: -139.208+/-673.369 χ²/NDF: 31.2/33
In: 26.061+/-450.978 χ²/NDF:39.3/33
Out: 1227.144+/-462.093 χ²/NDF:39.3/35
All: 611.984+/-322.748 χ²/NDF: 82.1/69

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2458.332+/-0.666 χ^2/NDF: 832888.7/15

Left Out: 1984.841+/-0.372 χ^2/NDF:24905.9/17

Right Out: 2535.782+/-0.681 χ^2/NDF: 673337.1/17

Left In: 1980.741+/-0.363 χ^2/NDF:20774.7/17

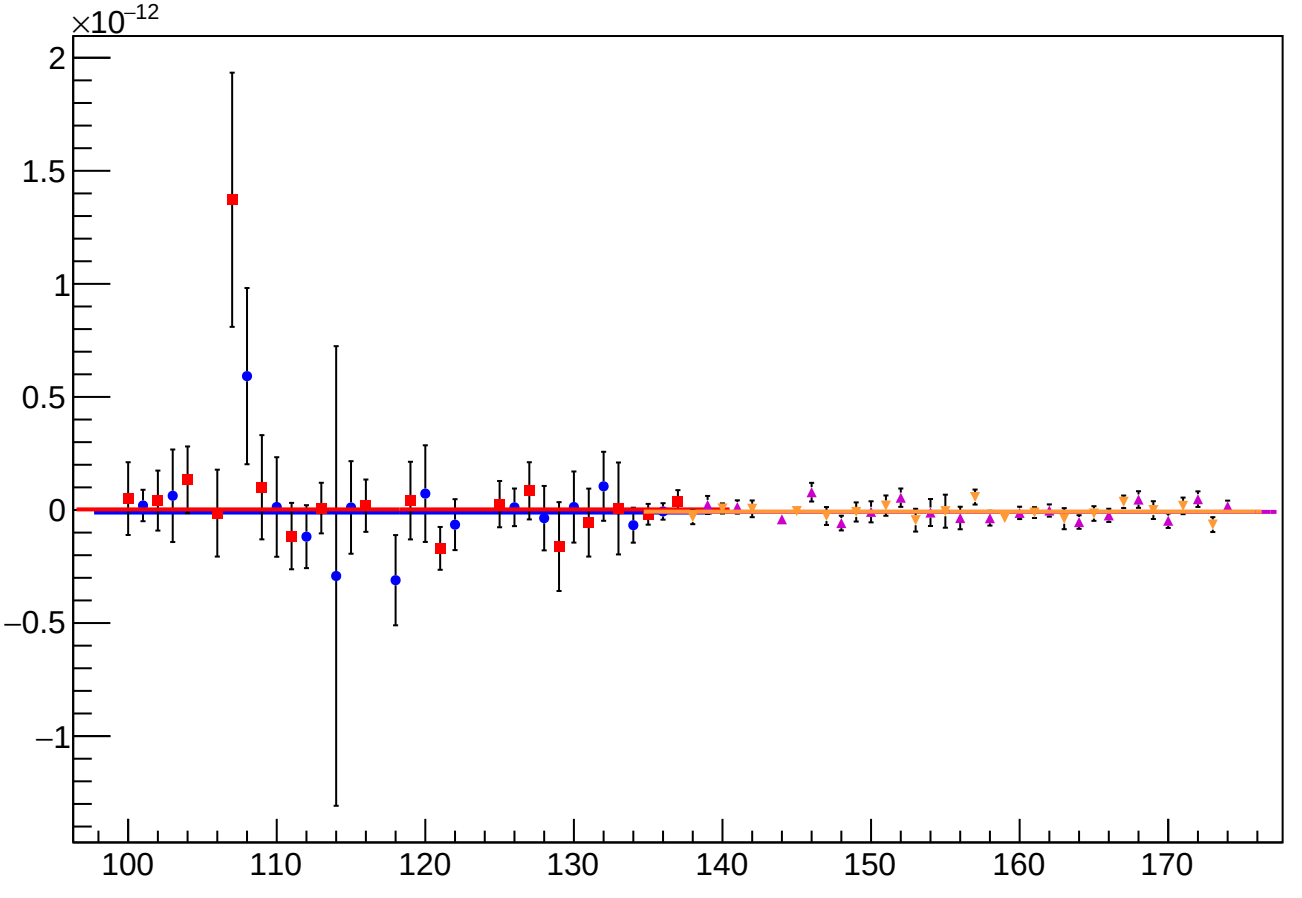
Left: 1982.739+/-0.260 χ^2/NDF: 45742.7/35

Right: 2496.205+/-0.476 χ^2/NDF: 1512837.3/33

In: 2090.208+/-0.319 χ^2/NDF:1249938.8/33

Out: 2111.713+/-0.327 χ^2/NDF:1202178.3/35

All: 2100.699+/-0.228 χ^2/NDF: 2454335.5/69



Right In: -0.000+/-0.000 χ^2/NDF: 7.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 13.2/17

Left In: -0.000+/-0.000 χ^2/NDF:23.6/17

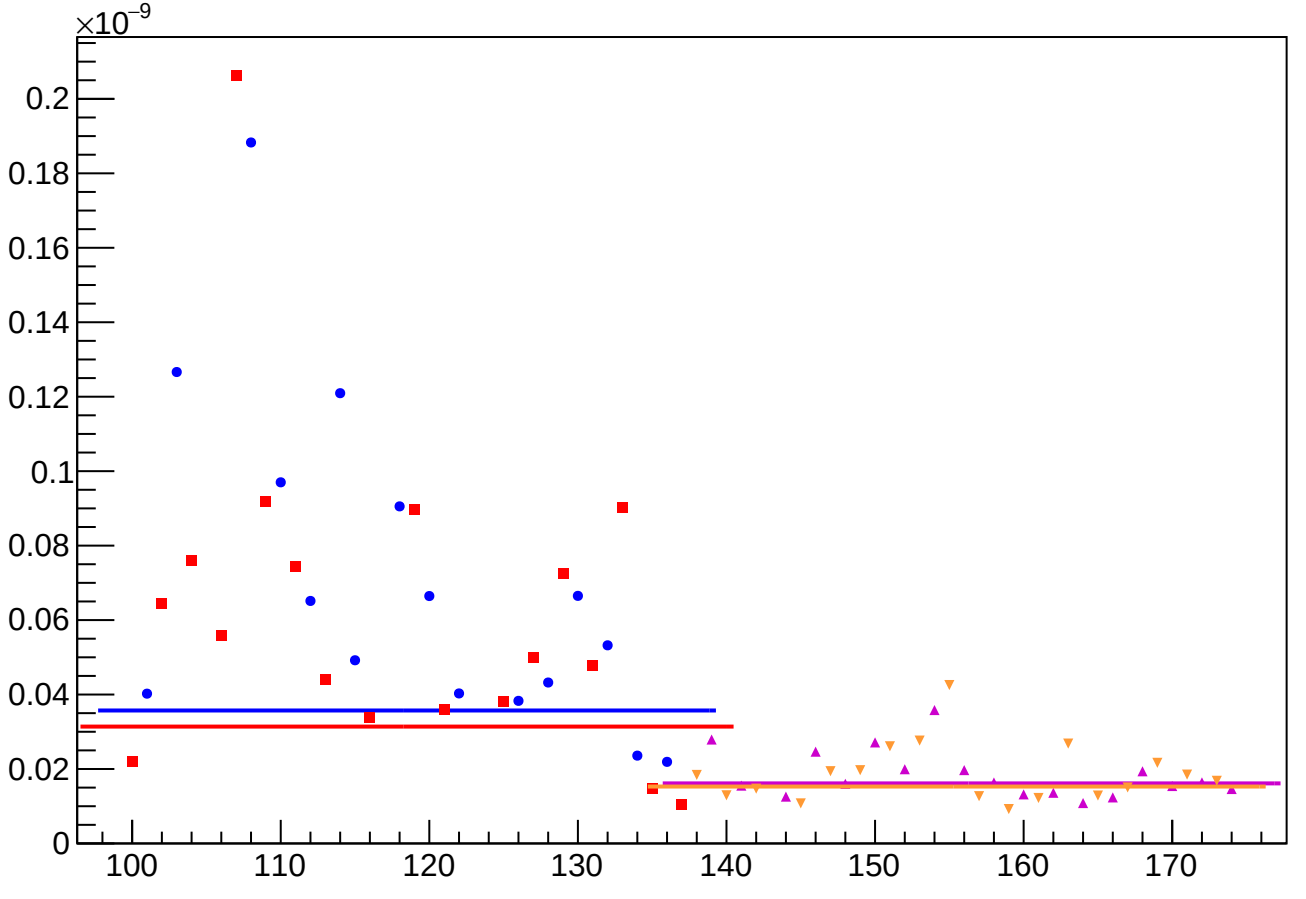
Left: -0.000+/-0.000 χ^2/NDF: 37.9/35

Right: -0.000+/-0.000 χ^2/NDF: 20.7/33

In: -0.000+/-0.000 χ^2/NDF:30.9/33

Out: -0.000+/-0.000 χ^2/NDF:27.6/35

All: -0.000+/-0.000 χ^2/NDF: 58.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 1620217.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1081461.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2068272.1/17

Left In: 0.000+/-0.000 χ^2/NDF:834365.8/17

Left: 0.000+/-0.000 χ^2/NDF: 1928371.6/35

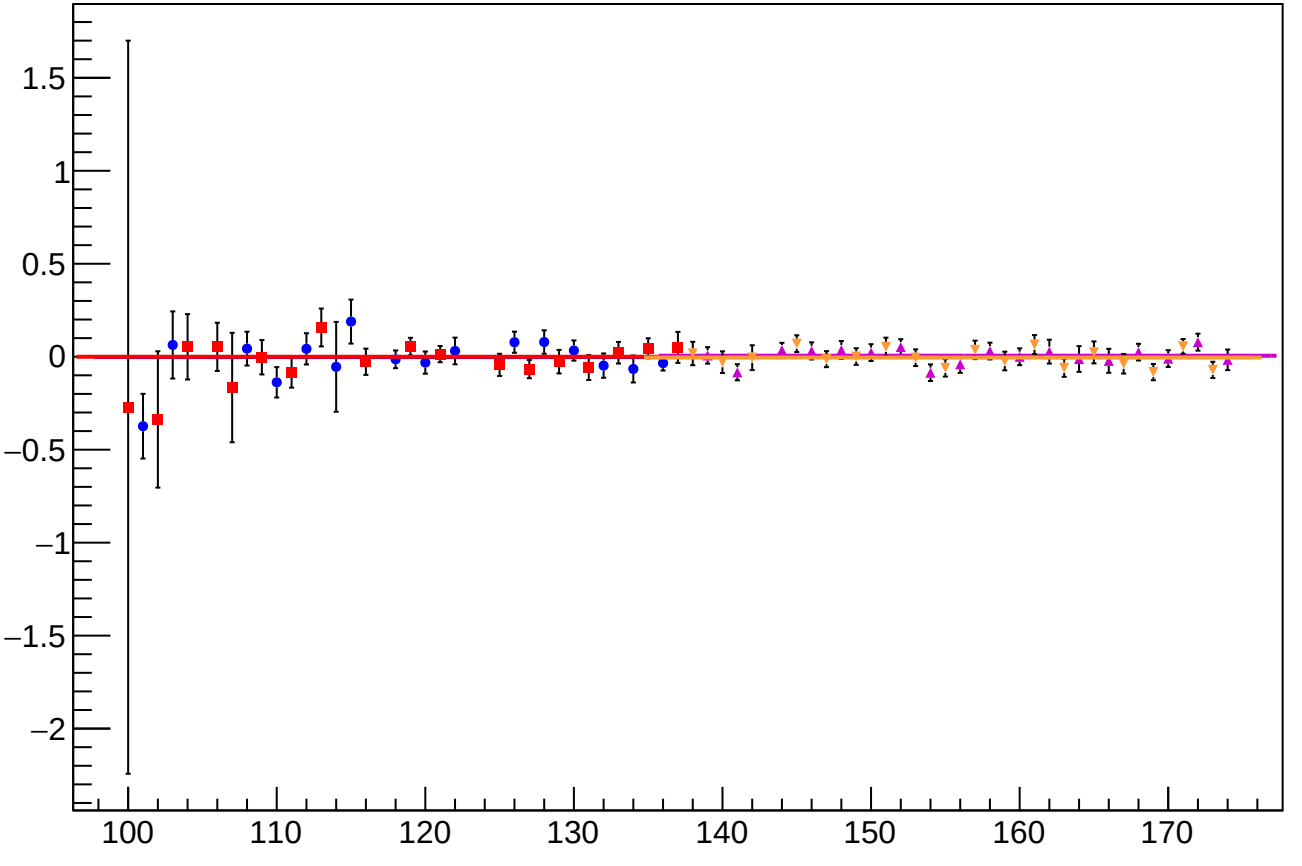
Right: 0.000+/-0.000 χ^2/NDF: 3719751.0/33

In: 0.000+/-0.000 χ^2/NDF:3617067.9/33

Out: 0.000+/-0.000 χ^2/NDF:3947096.5/35

All: 0.000+/-0.000 χ^2/NDF: 7589850.4/69

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.001+/-0.008 χ^2/NDF: 34.4/35

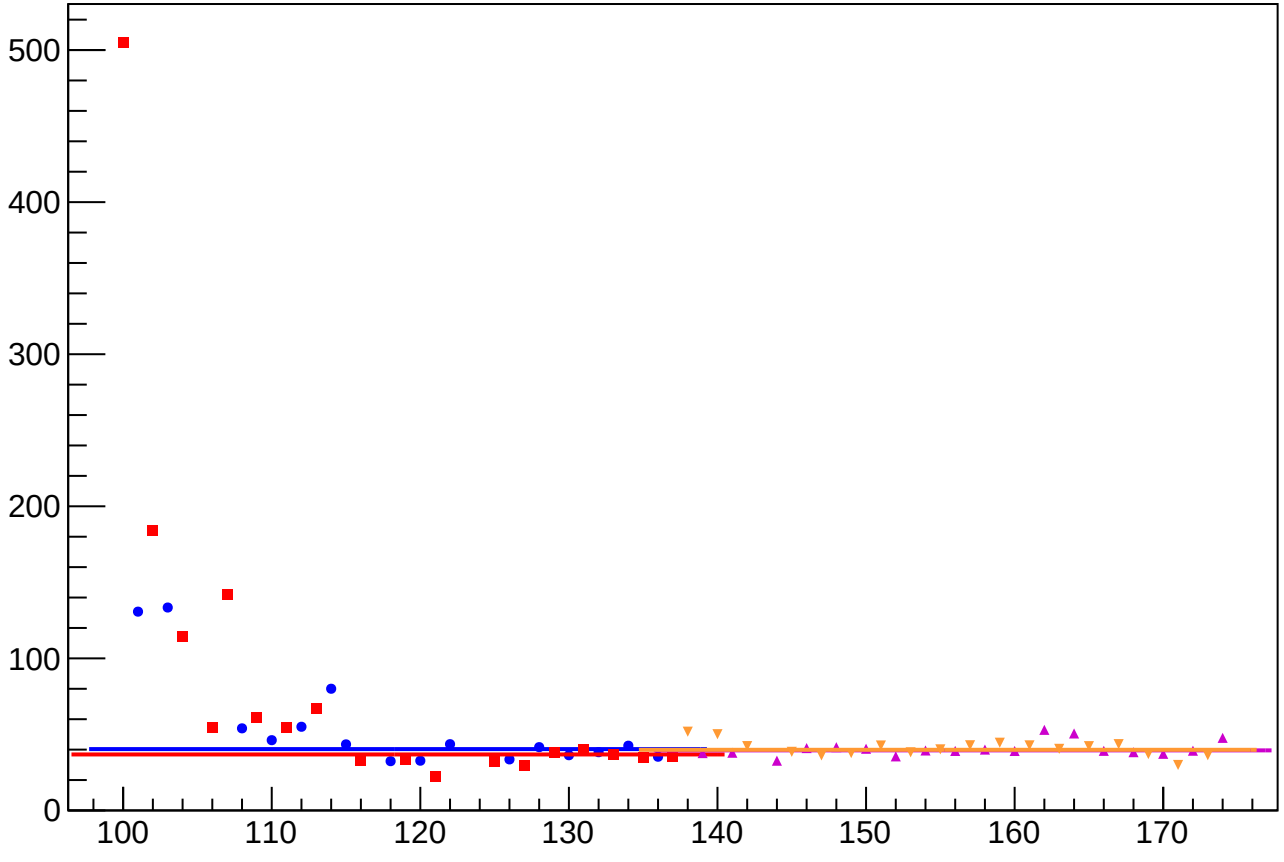
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/69

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 39.885+/-0.008 χ^2/NDF:359970.4/17

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

Left: 39.690+/-0.006 χ^2/NDF: 643139.2/35

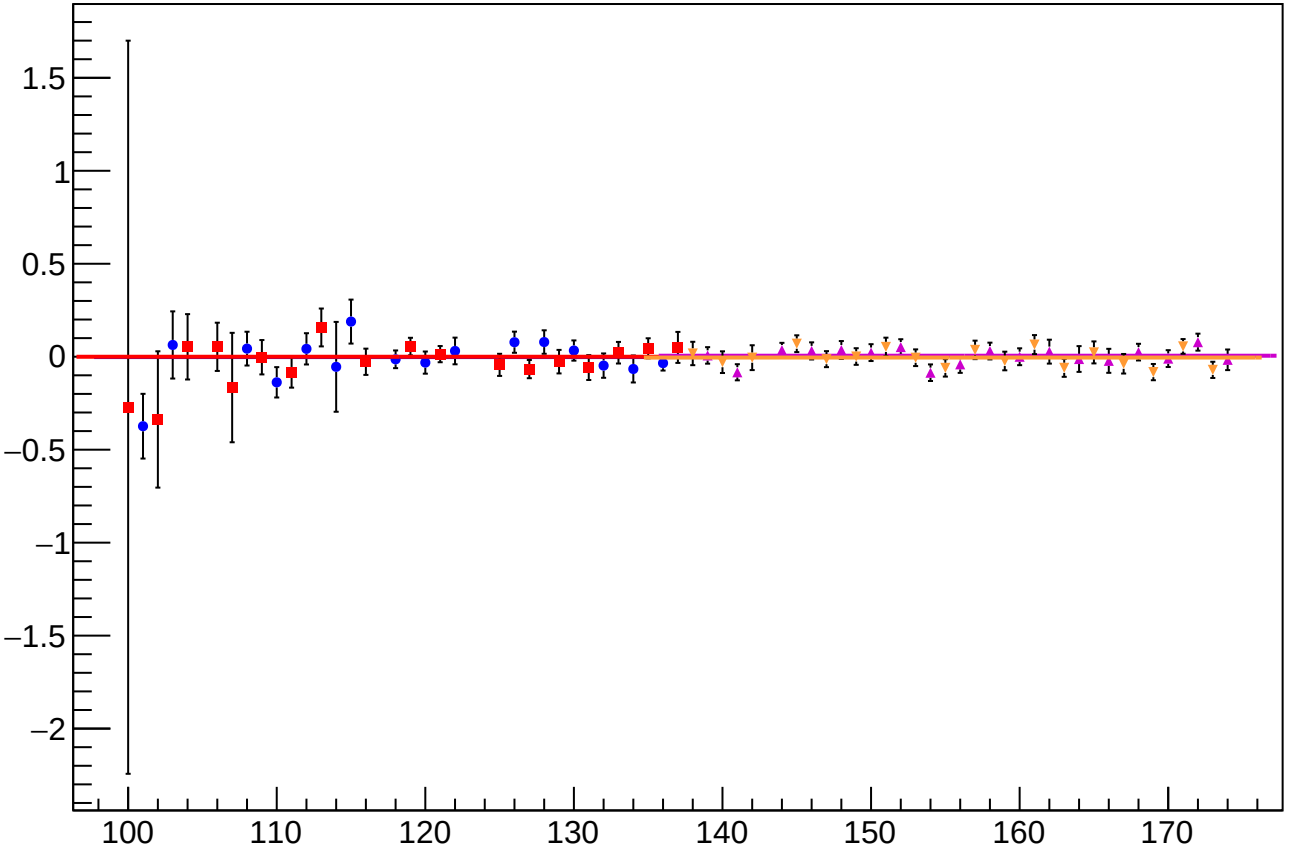
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.759+/-0.007 χ^2/NDF:1695622.5/33

Out: 38.902+/-0.007 χ^2/NDF:2242848.5/35

All: 39.336+/-0.005 χ^2/NDF: 3946815.8/69

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.001+/-0.008 χ^2/NDF: 34.4/35

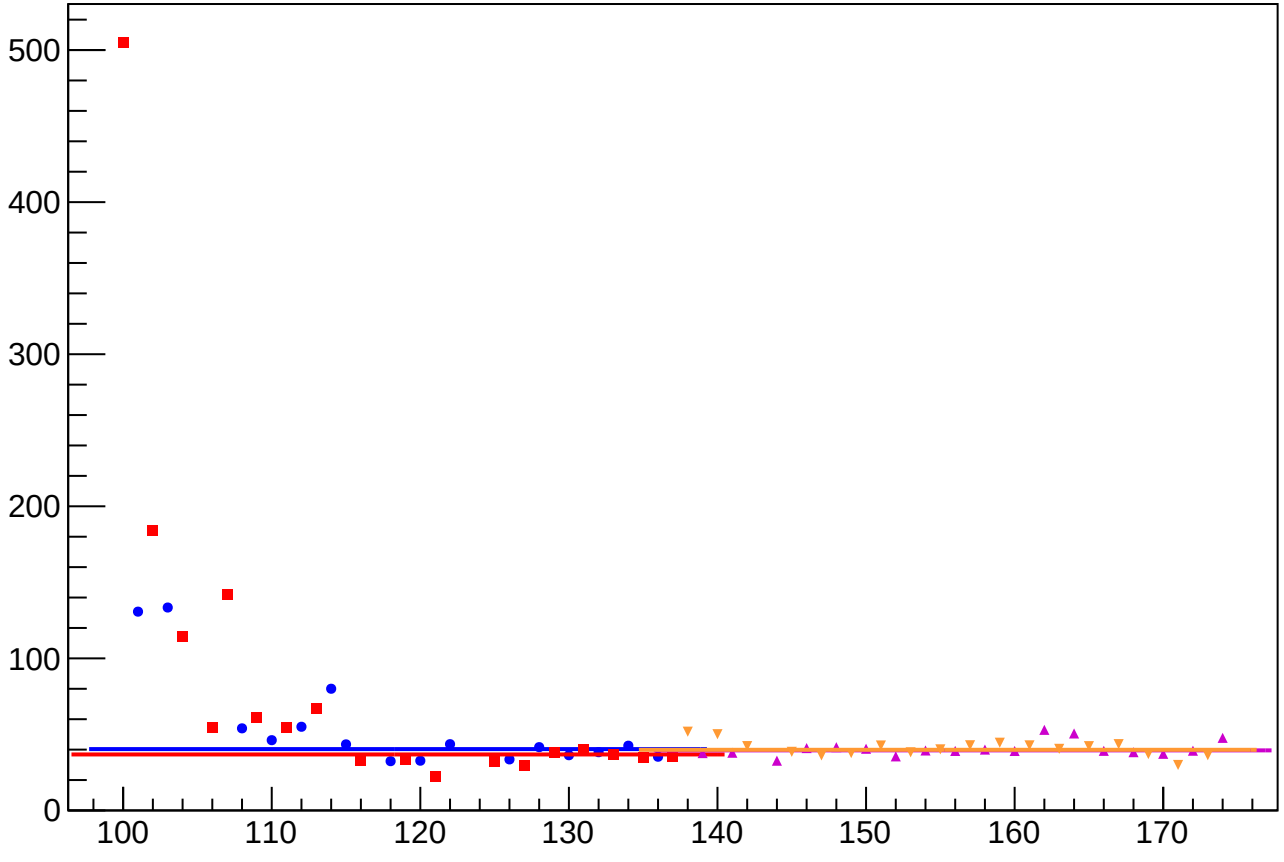
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/69

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410137.1/15

Left Out: 39.885+/-0.008 χ^2/NDF:359970.4/17

Right Out: 36.825+/-0.012 χ^2/NDF: 1837124.6/17

Left In: 39.507+/-0.008 χ^2/NDF:282053.3/17

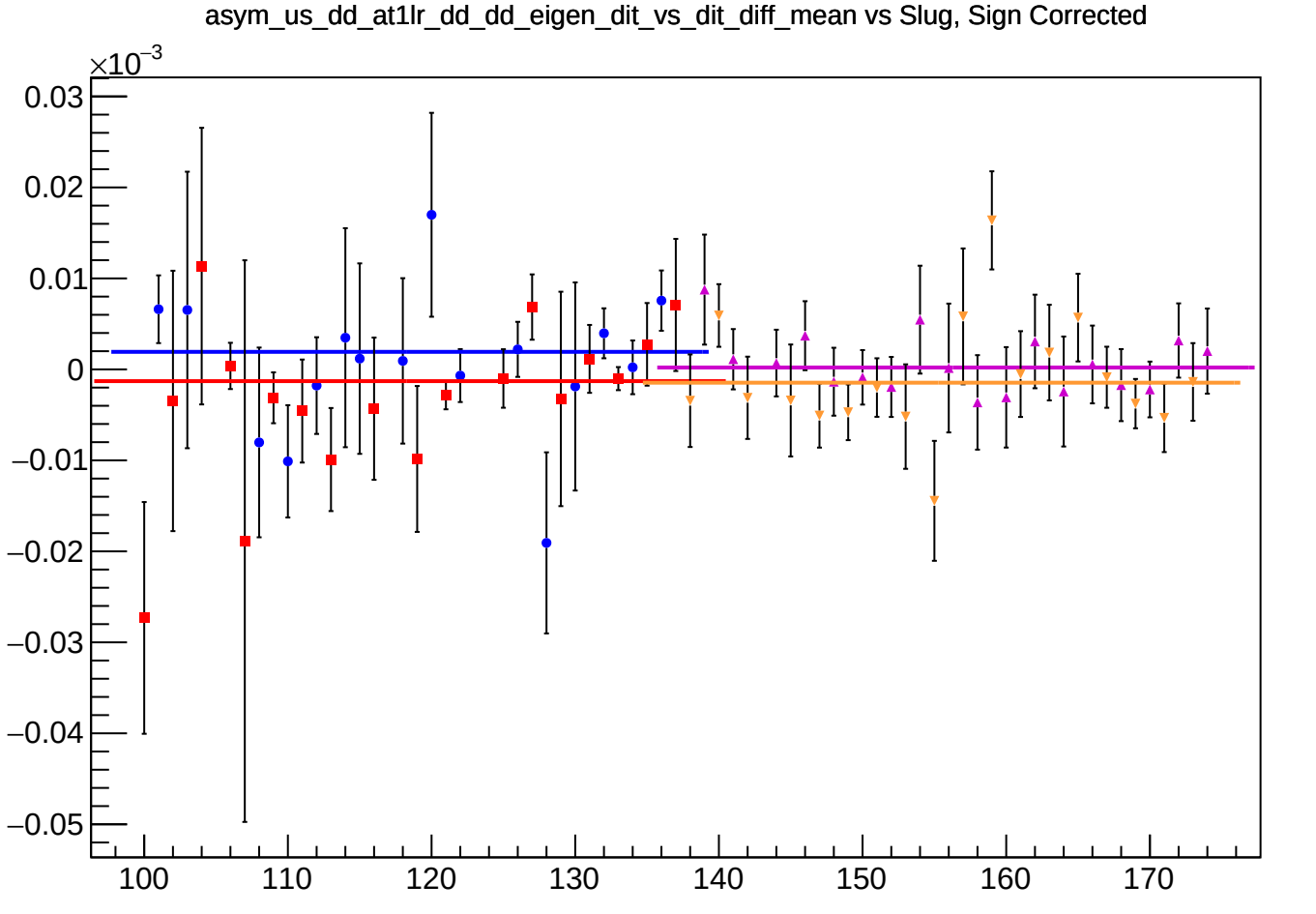
Left: 39.690+/-0.006 χ^2/NDF: 643139.2/35

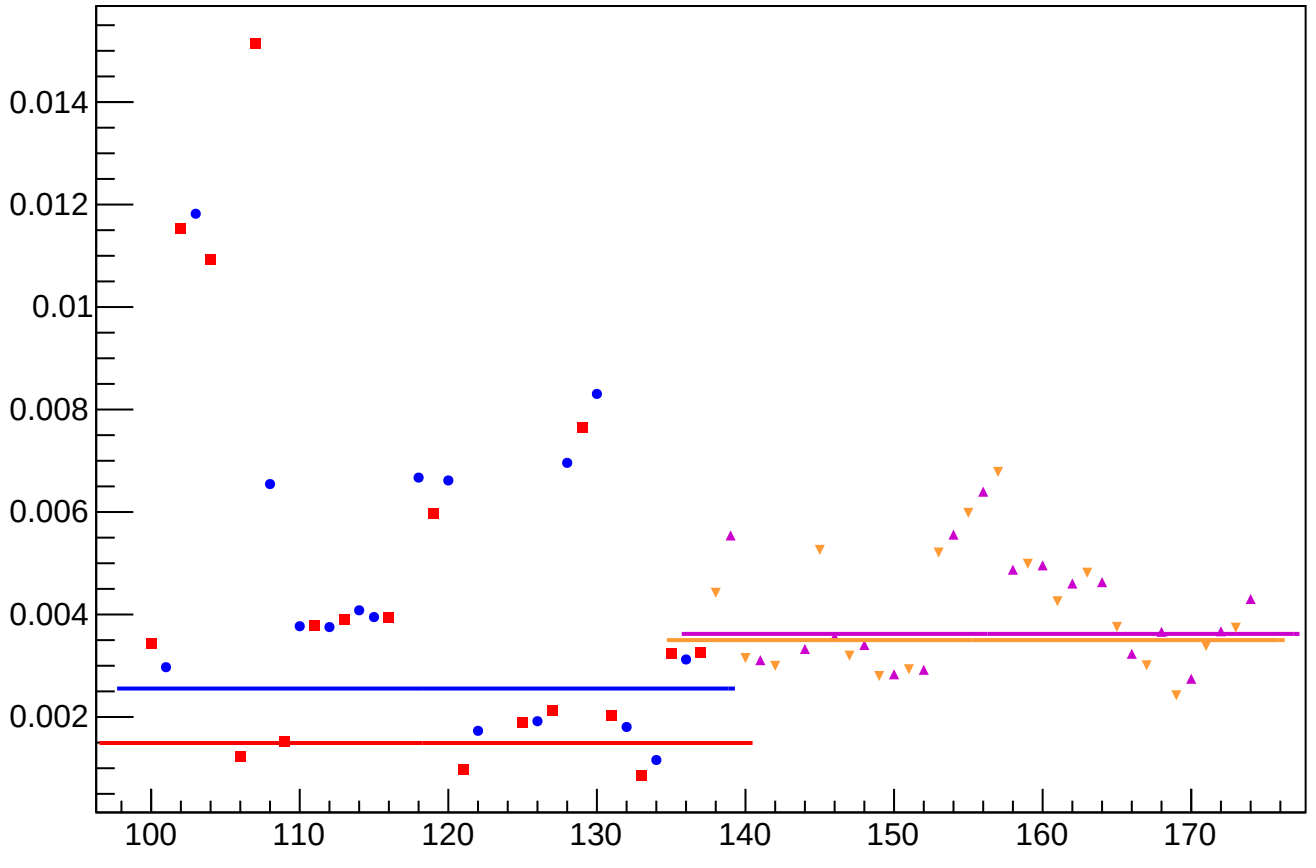
Right: 38.545+/-0.008 χ^2/NDF: 3290942.4/33

In: 39.759+/-0.007 χ^2/NDF:1695622.5/33

Out: 38.902+/-0.007 χ^2/NDF:2242848.5/35

All: 39.336+/-0.005 χ^2/NDF: 3946815.8/69


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:27.8/17
Right Out: -0.000+/-0.000 χ²/NDF: 18.9/17
Left In: 0.000+/-0.000 χ²/NDF:7.4/17
Left: -0.000+/-0.000 χ²/NDF: 36.7/35
Right: -0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:26.6/33
Out: -0.000+/-0.000 χ²/NDF:46.7/35
All: -0.000+/-0.000 χ²/NDF: 79.1/69



Right In: 0.003+/-0.000 χ^2/NDF: 3782362.0/15

Left Out: 0.004+/-0.000 χ^2/NDF:2006828.4/17

Right Out: 0.001+/-0.000 χ^2/NDF: 5561830.1/17

Left In: 0.004+/-0.000 χ^2/NDF:1605232.5/17

Left: 0.004+/-0.000 χ^2/NDF: 3627644.3/35

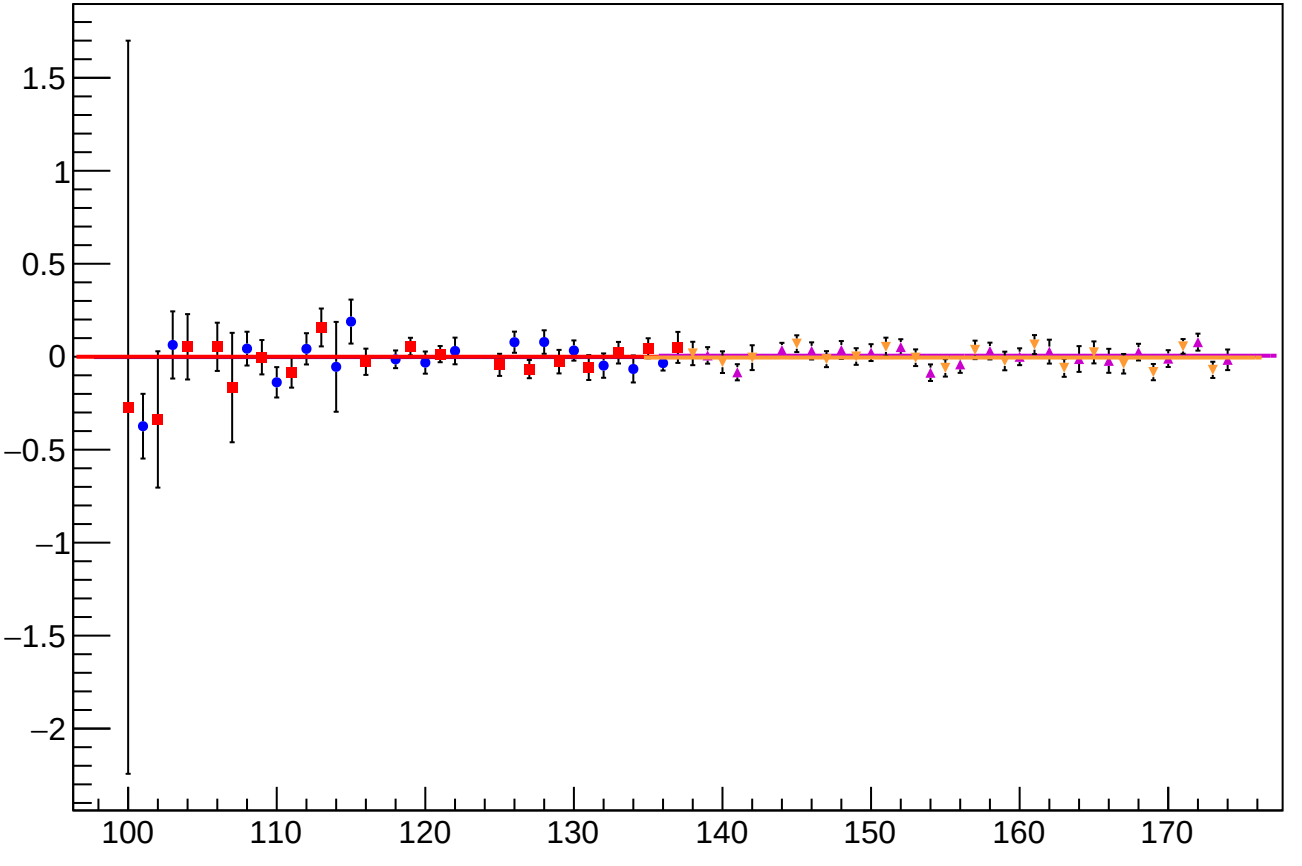
Right: 0.002+/-0.000 χ^2/NDF: 10553457.3/33

In: 0.003+/-0.000 χ^2/NDF:6396375.6/33

Out: 0.002+/-0.000 χ^2/NDF:12921089.3/35

All: 0.003+/-0.000 χ^2/NDF: 21217942.4/69

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.001+/-0.008 χ^2/NDF: 34.4/35

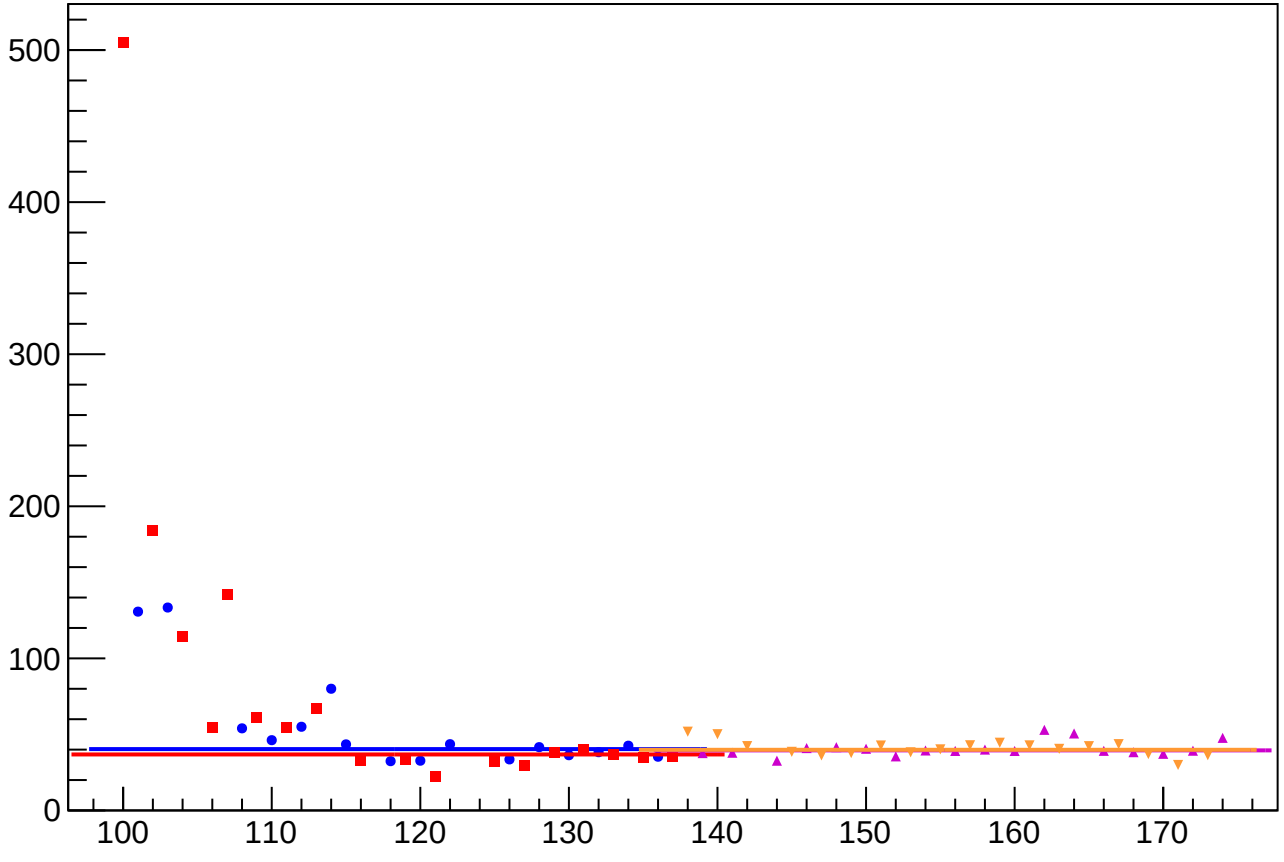
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/69

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 39.884+/-0.008 χ^2/NDF:360007.8/17

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

Left: 39.690+/-0.006 χ^2/NDF: 643141.0/35

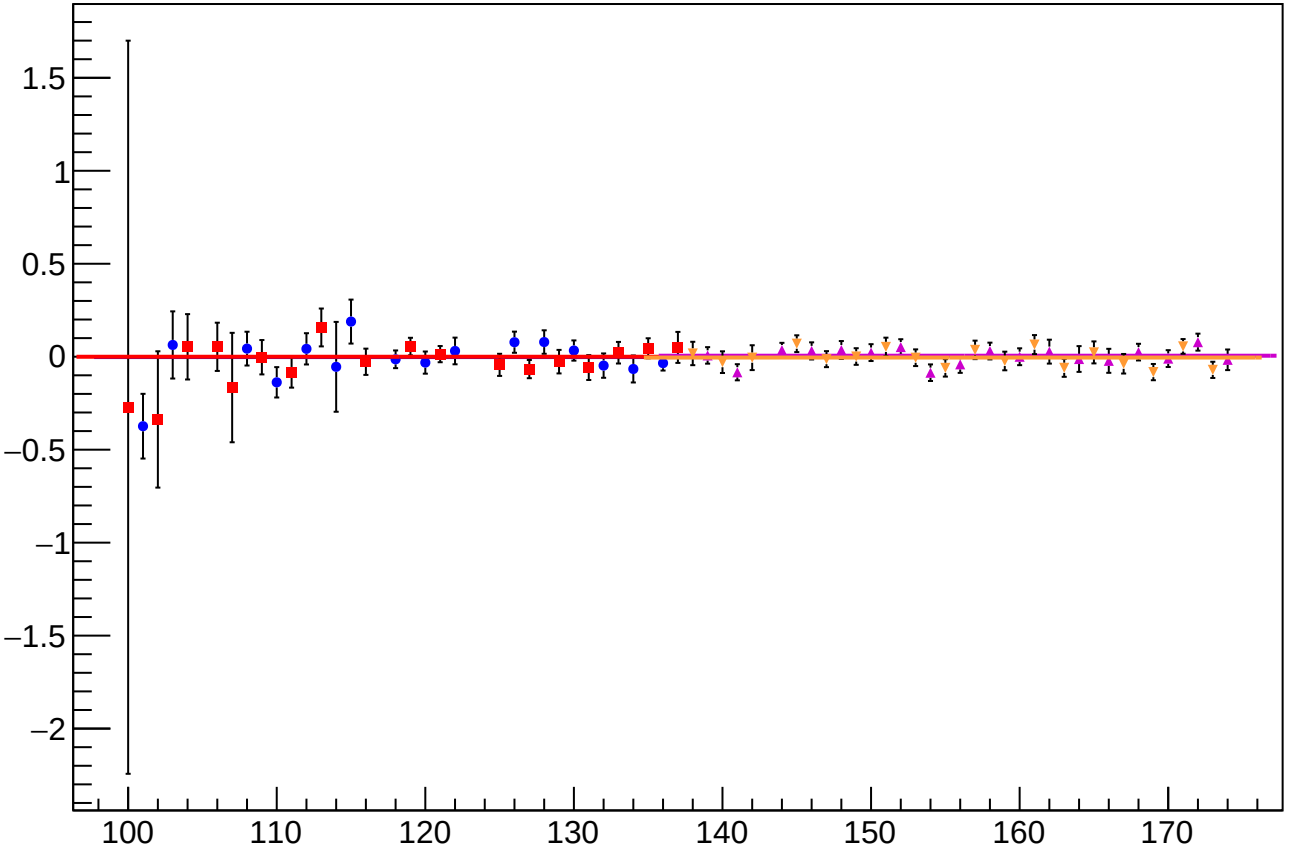
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.759+/-0.007 χ^2/NDF:1695492.5/33

Out: 38.901+/-0.007 χ^2/NDF:2242901.3/35

All: 39.336+/-0.005 χ^2/NDF: 3946748.7/69

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.017 χ^2/NDF: 17.1/15

Left Out: -0.004+/-0.011 χ^2/NDF:18.2/17

Right Out: -0.000+/-0.017 χ^2/NDF: 10.9/17

Left In: 0.005+/-0.011 χ^2/NDF:15.8/17

Left: 0.001+/-0.008 χ^2/NDF: 34.4/35

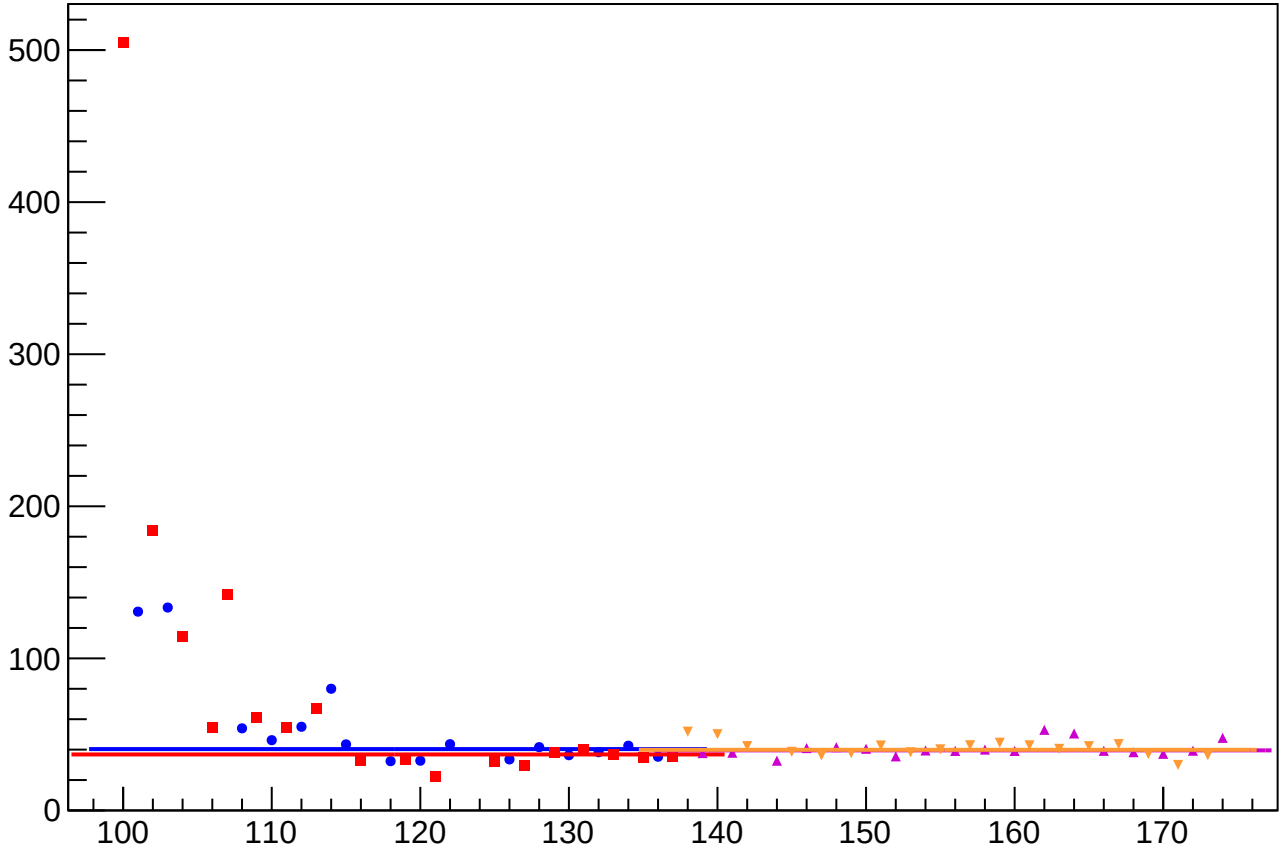
Right: -0.001+/-0.012 χ^2/NDF: 28.0/33

In: 0.003+/-0.009 χ^2/NDF:33.1/33

Out: -0.003+/-0.009 χ^2/NDF:29.2/35

All: 0.000+/-0.007 χ^2/NDF: 62.4/69

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.352+/-0.012 χ^2/NDF: 1410036.7/15

Left Out: 39.884+/-0.008 χ^2/NDF:360007.8/17

Right Out: 36.824+/-0.012 χ^2/NDF: 1837118.8/17

Left In: 39.507+/-0.008 χ^2/NDF:282018.4/17

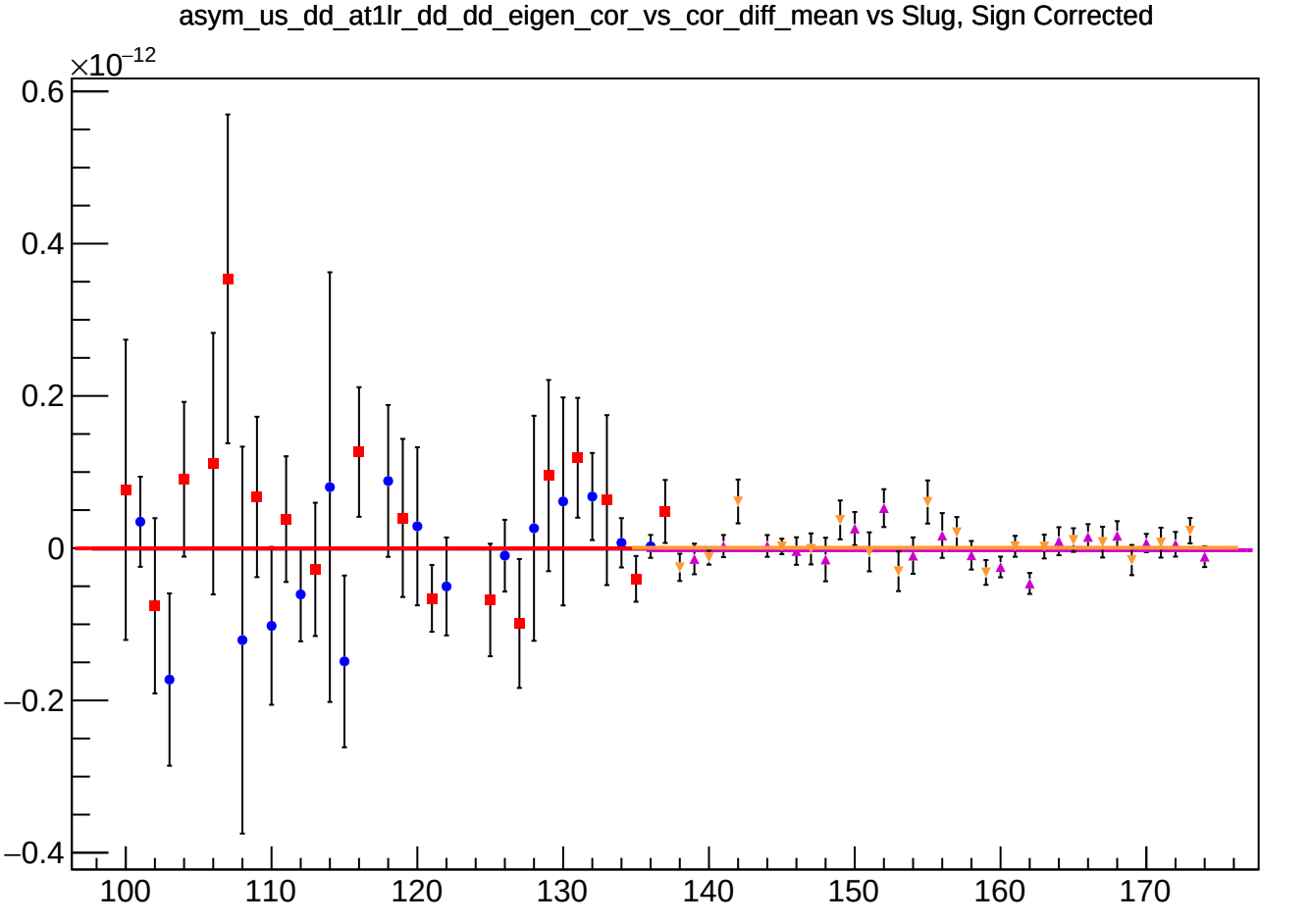
Left: 39.690+/-0.006 χ^2/NDF: 643141.0/35

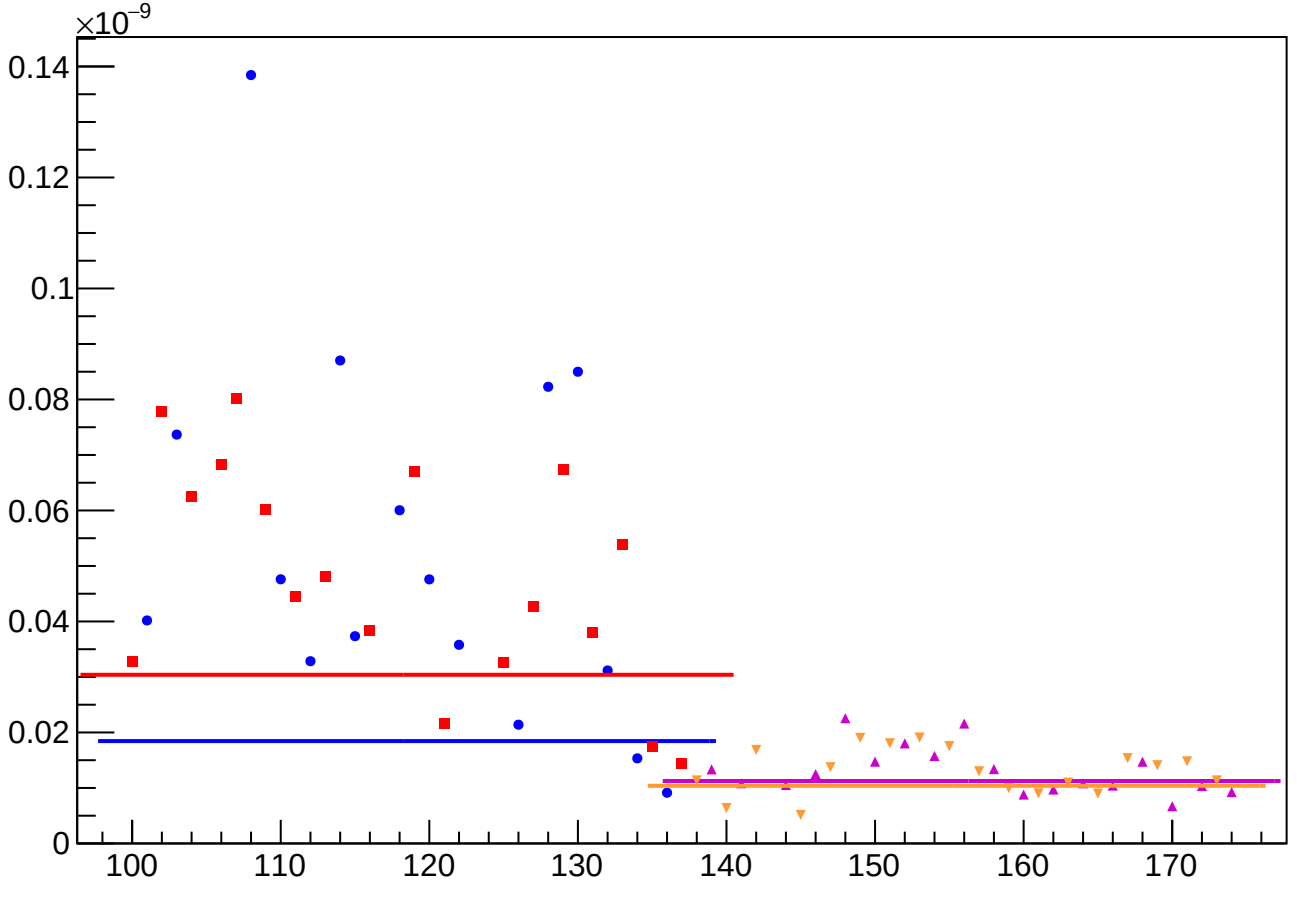
Right: 38.545+/-0.008 χ^2/NDF: 3290871.7/33

In: 39.759+/-0.007 χ^2/NDF:1695492.5/33

Out: 38.901+/-0.007 χ^2/NDF:2242901.3/35

All: 39.336+/-0.005 χ^2/NDF: 3946748.7/69


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 9.9/15
Left Out: 0.000+/-0.000 χ²/NDF:24.6/17
Right Out: -0.000+/-0.000 χ²/NDF: 18.4/17
Left In: -0.000+/-0.000 χ²/NDF:24.5/17
Left: -0.000+/-0.000 χ²/NDF: 49.4/35
Right: -0.000+/-0.000 χ²/NDF: 28.2/33
In: -0.000+/-0.000 χ²/NDF:34.4/33
Out: 0.000+/-0.000 χ²/NDF:42.9/35
All: -0.000+/-0.000 χ²/NDF: 77.6/69



Right In: 0.000+/-0.000 χ^2/NDF: 4022915.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2185682.0/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2387224.9/17

Left In: 0.000+/-0.000 χ^2/NDF:1391431.8/17

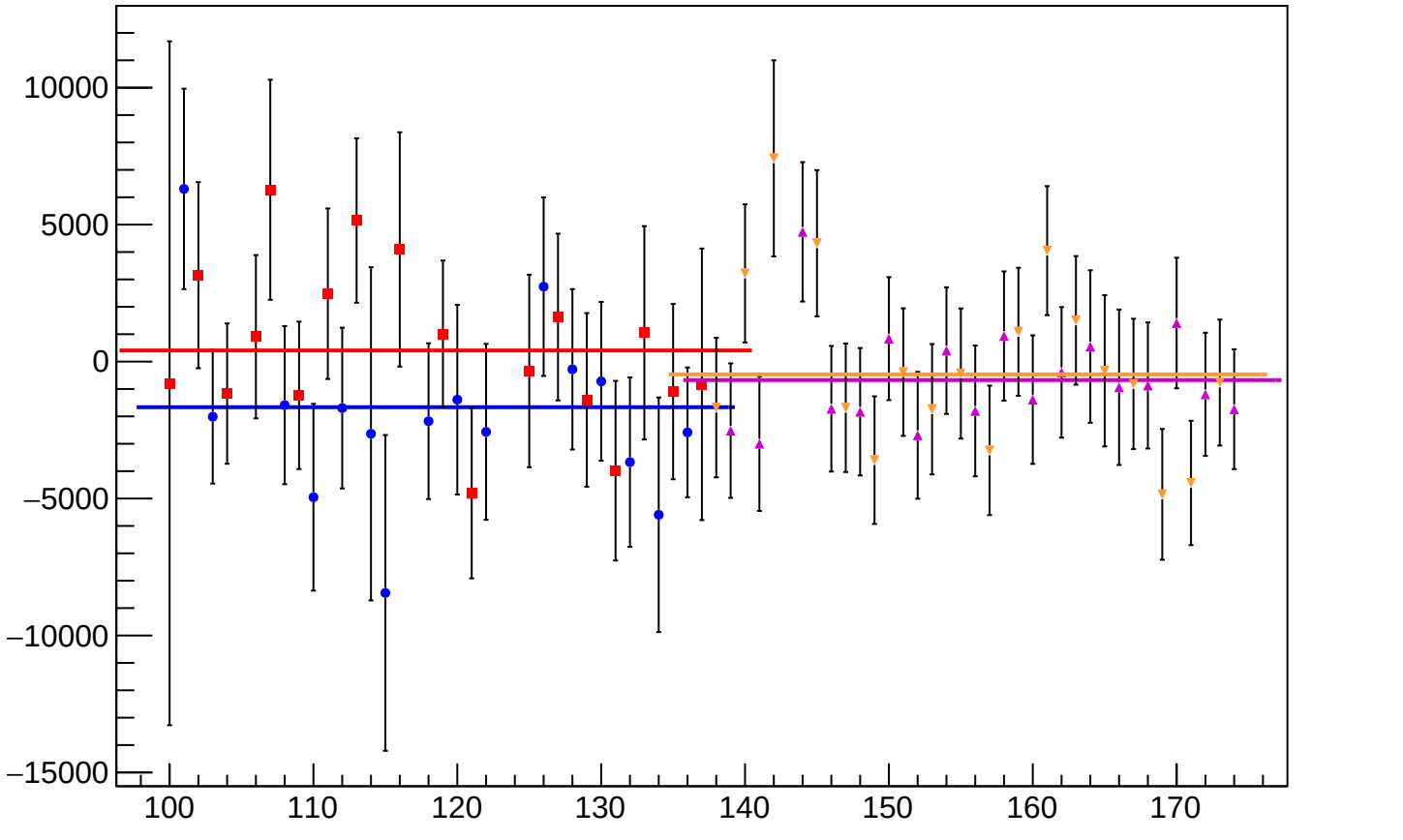
Left: 0.000+/-0.000 χ^2/NDF: 3623787.2/35

Right: 0.000+/-0.000 χ^2/NDF: 7115915.8/33

In: 0.000+/-0.000 χ^2/NDF:6104773.6/33

Out: 0.000+/-0.000 χ^2/NDF:7364493.3/35

All: 0.000+/-0.000 χ^2/NDF: 13490188.7/69



Right In: -1664.305+/-792.164 χ^2/NDF: 10.8/15

Left Out: -466.399+/-574.985 χ^2/NDF:25.5/17

Right Out: 406.847+/-777.158 χ^2/NDF: 12.7/17

Left In: -674.982+/-561.509 χ^2/NDF:9.9/17

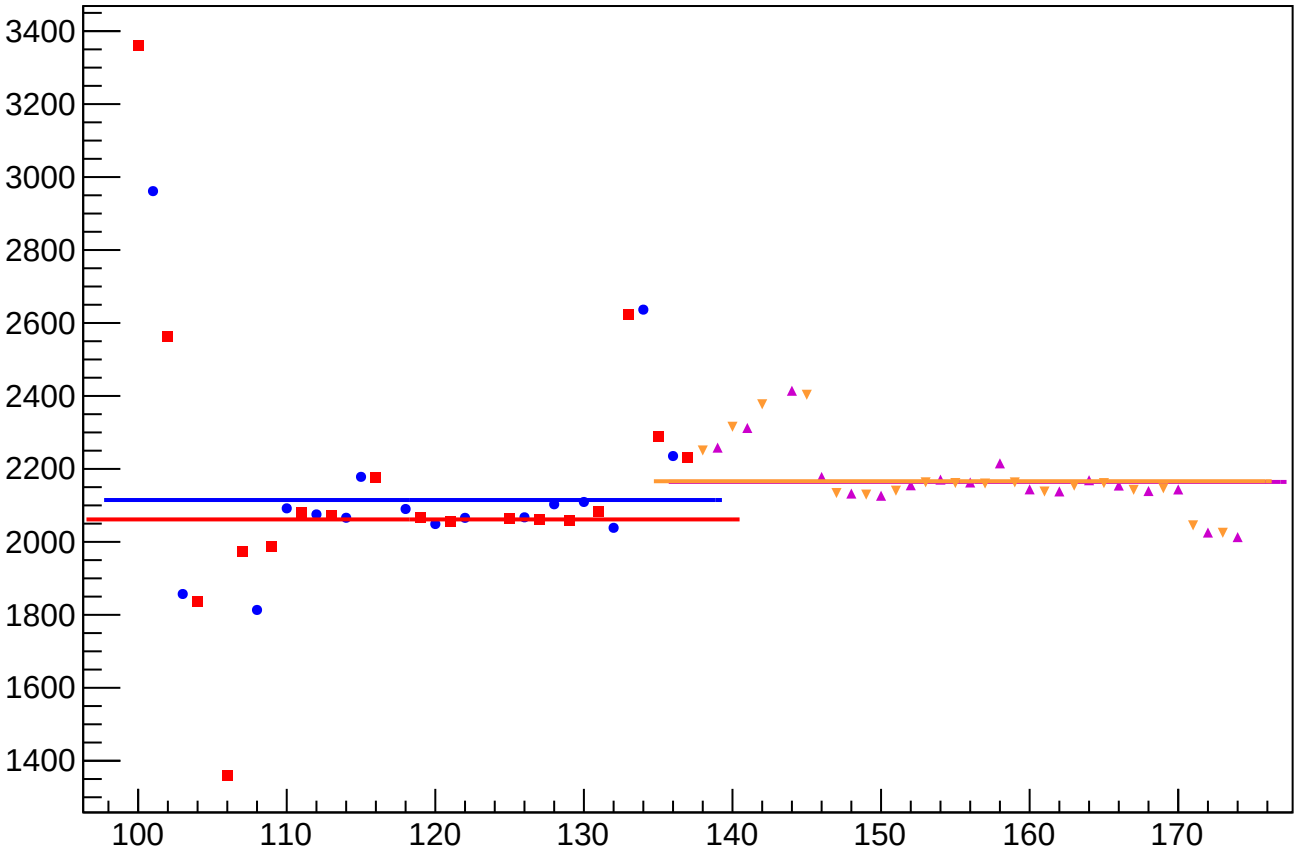
Left: -573.164+/-401.726 χ^2/NDF: 35.5/35

Right: -608.927+/-554.763 χ^2/NDF: 27.0/33

In: -1005.827+/-458.098 χ^2/NDF:21.7/33

Out: -157.489+/-462.229 χ^2/NDF:39.0/35

All: -585.466+/-325.375 χ^2/NDF: 62.5/69



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.6/15

Left Out: 2166.207+/-0.407 χ^2/NDF:46983.7/17

Right Out: 2061.560+/-0.550 χ^2/NDF: 249186.6/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

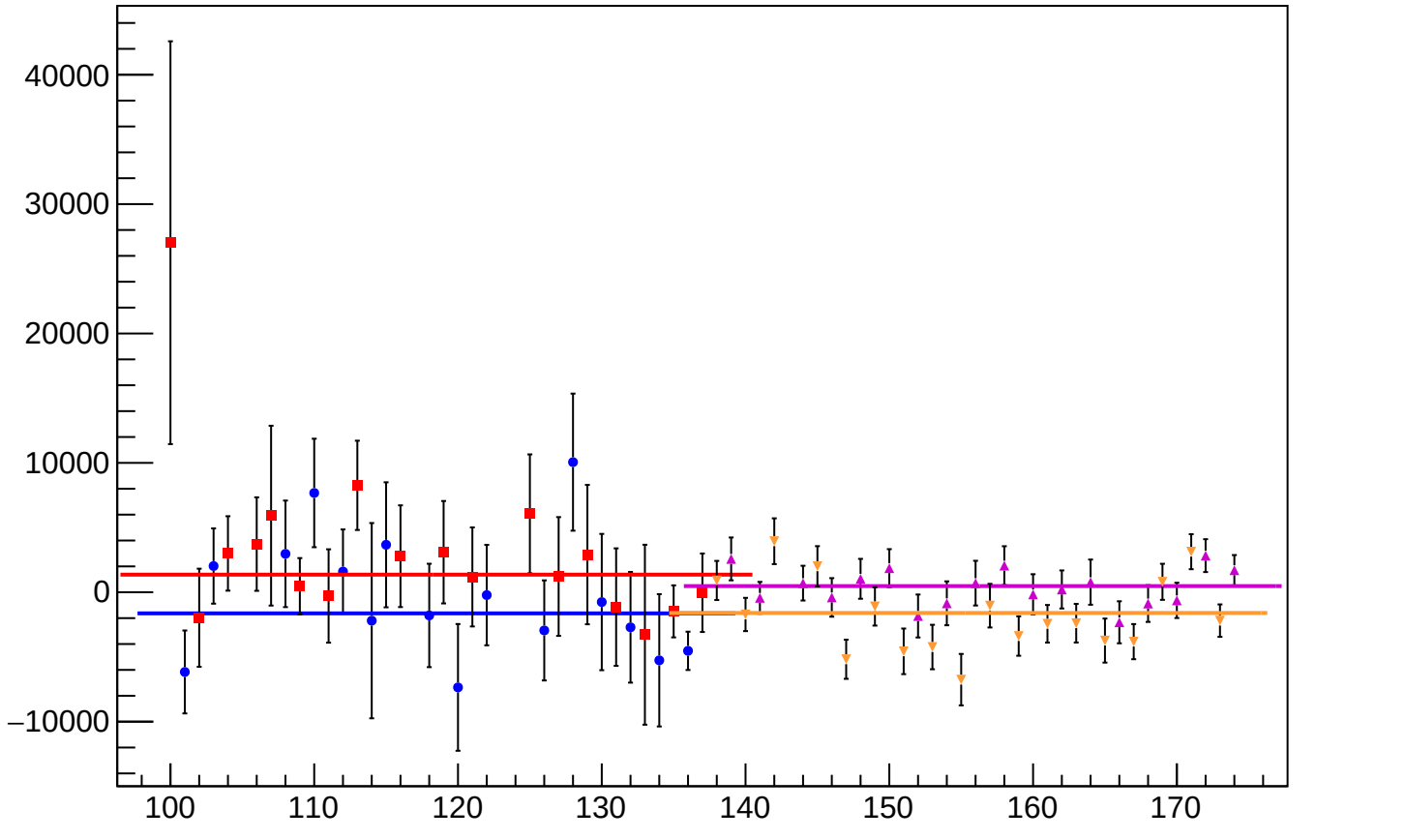
Left: 2165.250+/-0.284 χ^2/NDF: 96469.8/35

Right: 2087.649+/-0.392 χ^2/NDF: 443702.7/33

In: 2147.757+/-0.324 χ^2/NDF:244610.9/33

Out: 2129.188+/-0.327 χ^2/NDF:319605.7/35

All: 2138.556+/-0.230 χ^2/NDF: 565844.8/69



Right In: -1630.474+/-862.417 χ^2/NDF: 22.9/15

Left Out: -1600.041+/-356.425 χ^2/NDF:57.4/17

Right Out: 1361.841+/-840.417 χ^2/NDF: 13.5/17

Left In: 477.445+/-345.778 χ^2/NDF:16.5/17

Left: -529.804+/-248.181 χ^2/NDF: 91.4/35

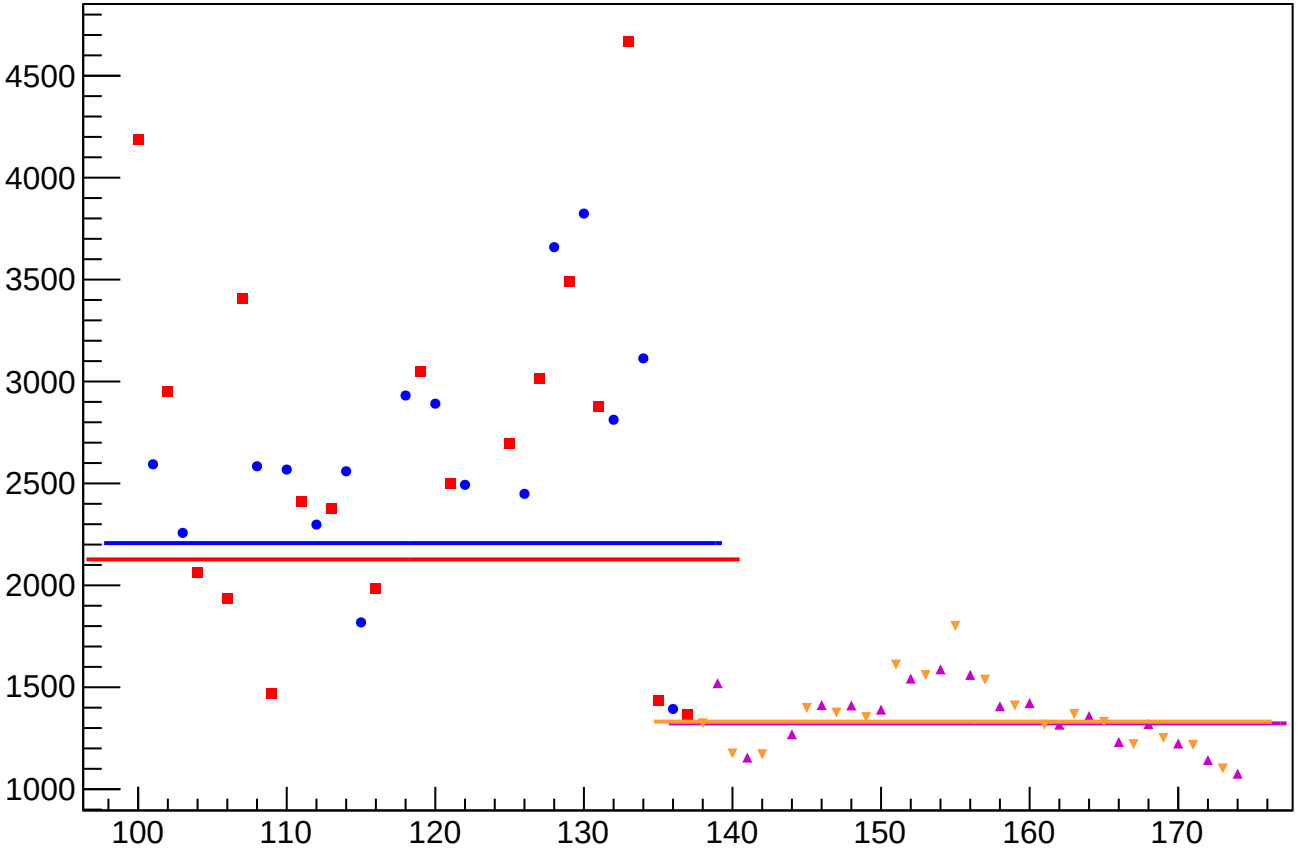
Right: -95.664+/-601.892 χ^2/NDF: 42.5/33

In: 185.518+/-320.942 χ^2/NDF:44.5/33

Out: -1148.516+/-328.135 χ^2/NDF:81.4/35

All: -466.718+/-229.441 χ^2/NDF: 134.3/69

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2207.254+/-0.610 χ^2/NDF: 1249266.5/15

Left Out: 1331.299+/-0.252 χ^2/NDF:387129.1/17

Right Out: 2127.224+/-0.594 χ^2/NDF: 1458046.9/17

Left In: 1322.875+/-0.245 χ^2/NDF:369214.2/17

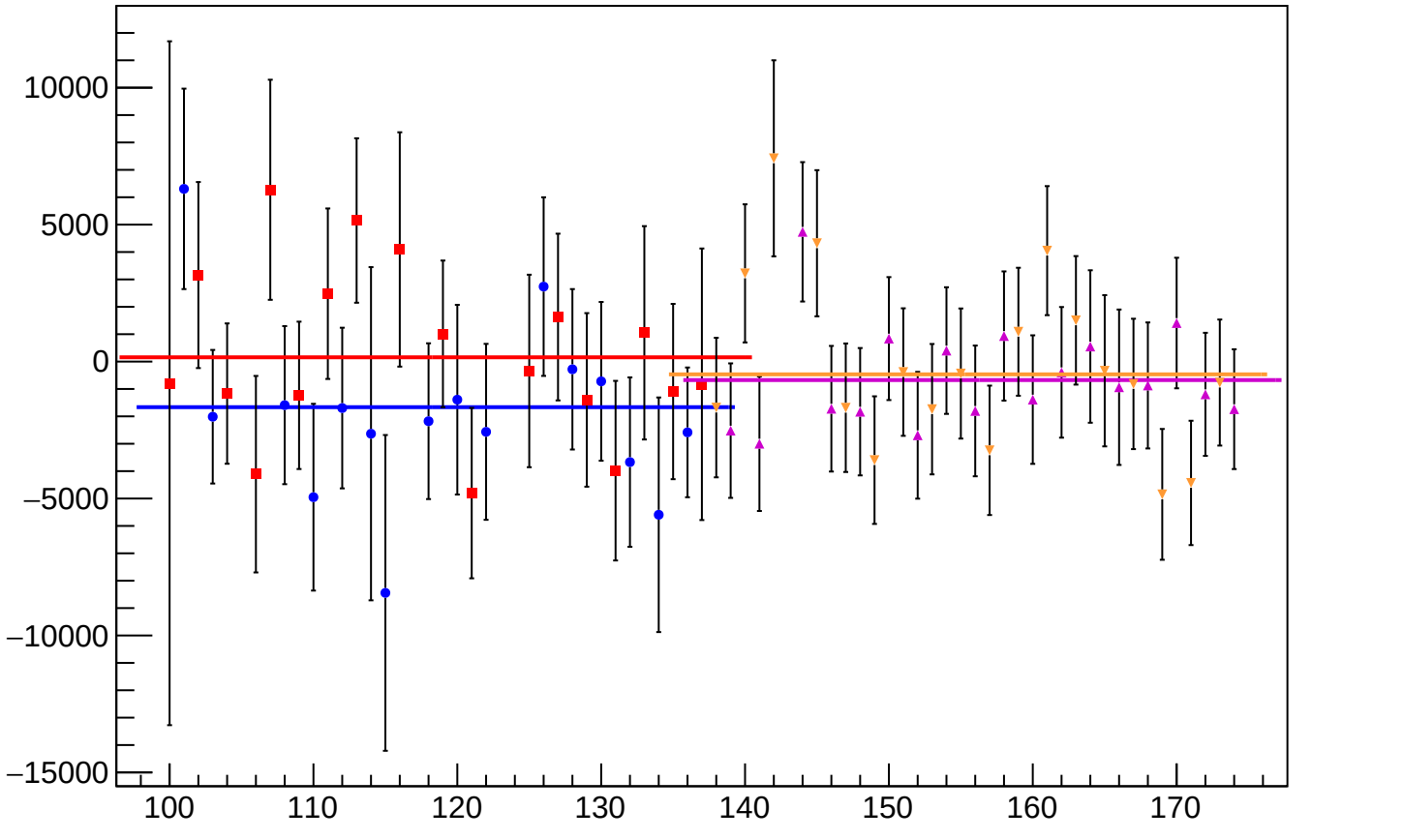
Left: 1326.959+/-0.175 χ^2/NDF: 756918.8/35

Right: 2166.205+/-0.426 χ^2/NDF: 2716147.2/33

In: 1445.353+/-0.227 χ^2/NDF:3430372.4/33

Out: 1452.634+/-0.232 χ^2/NDF:3365556.7/35

All: 1448.913+/-0.162 χ^2/NDF: 6796432.4/69



Right In: -1664.231+/-792.164 χ^2/NDF: 10.8/15

Left Out: -466.249+/-574.985 χ^2/NDF:25.5/17

Right Out: 155.775+/-785.481 χ^2/NDF: 14.2/17

Left In: -674.840+/-561.509 χ^2/NDF:9.9/17

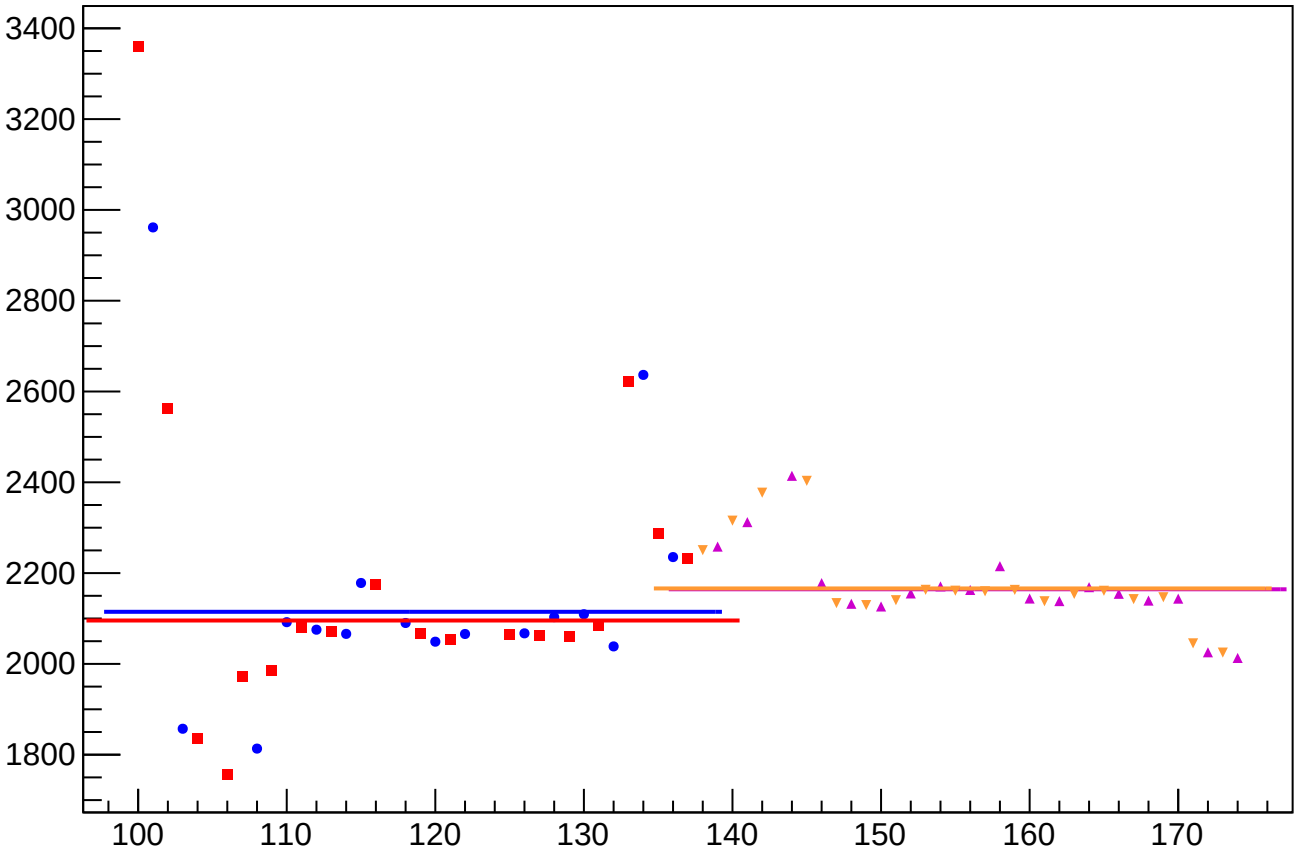
Left: -573.018+/-401.726 χ^2/NDF: 35.5/35

Right: -746.519+/-557.767 χ^2/NDF: 27.6/33

In: -1005.707+/-458.098 χ^2/NDF:21.8/33

Out: -249.229+/-463.962 χ^2/NDF:40.1/35

All: -632.279+/-325.978 χ^2/NDF: 63.2/69



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2166.207+/-0.407 χ^2/NDF:46983.7/17

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

Left: 2165.250+/-0.284 χ^2/NDF: 96469.8/35

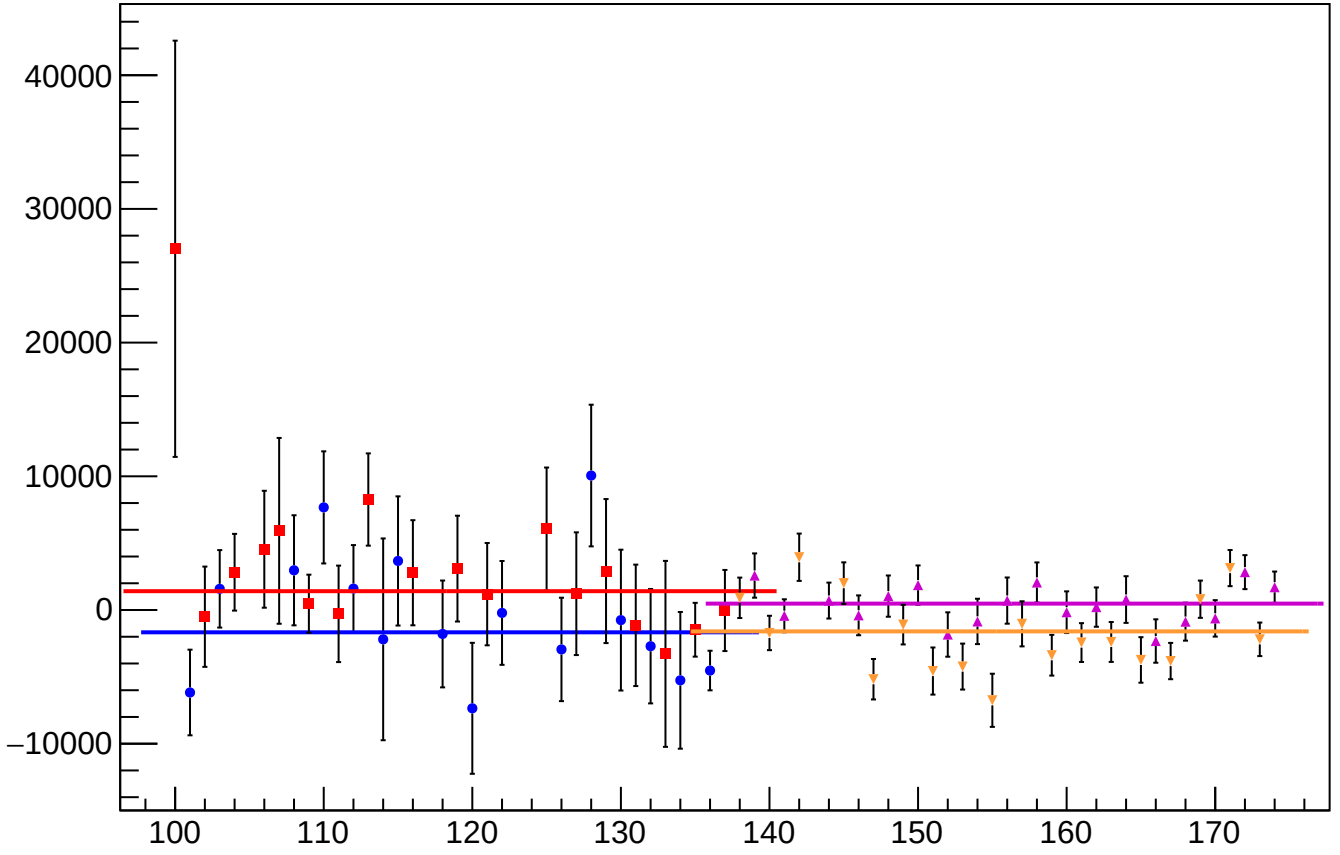
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2147.757+/-0.324 χ^2/NDF:244611.3/33

Out: 2141.572+/-0.328 χ^2/NDF:206867.5/35

All: 2144.703+/-0.231 χ^2/NDF: 451658.7/69

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1600.069+/-356.427 χ^2/NDF:57.4/17

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 477.364+/-345.778 χ^2/NDF:16.5/17

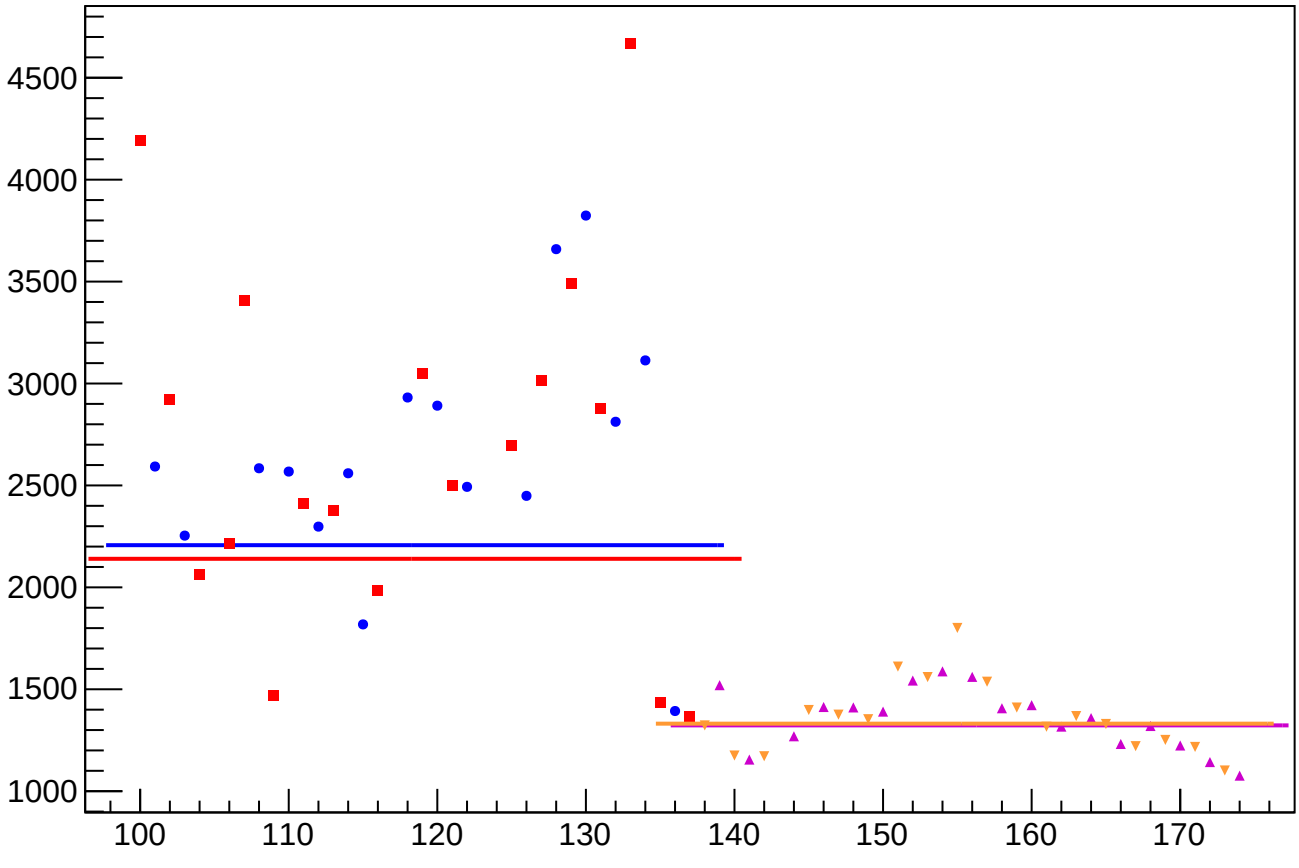
Left: -529.853+/-248.181 χ^2/NDF: 91.4/35

Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 180.012+/-320.927 χ^2/NDF:44.4/33

Out: -1147.595+/-328.528 χ^2/NDF:81.0/35

All: -468.255+/-229.570 χ^2/NDF: 133.8/69



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1331.309+/-0.252 χ^2/NDF:387077.9/17

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

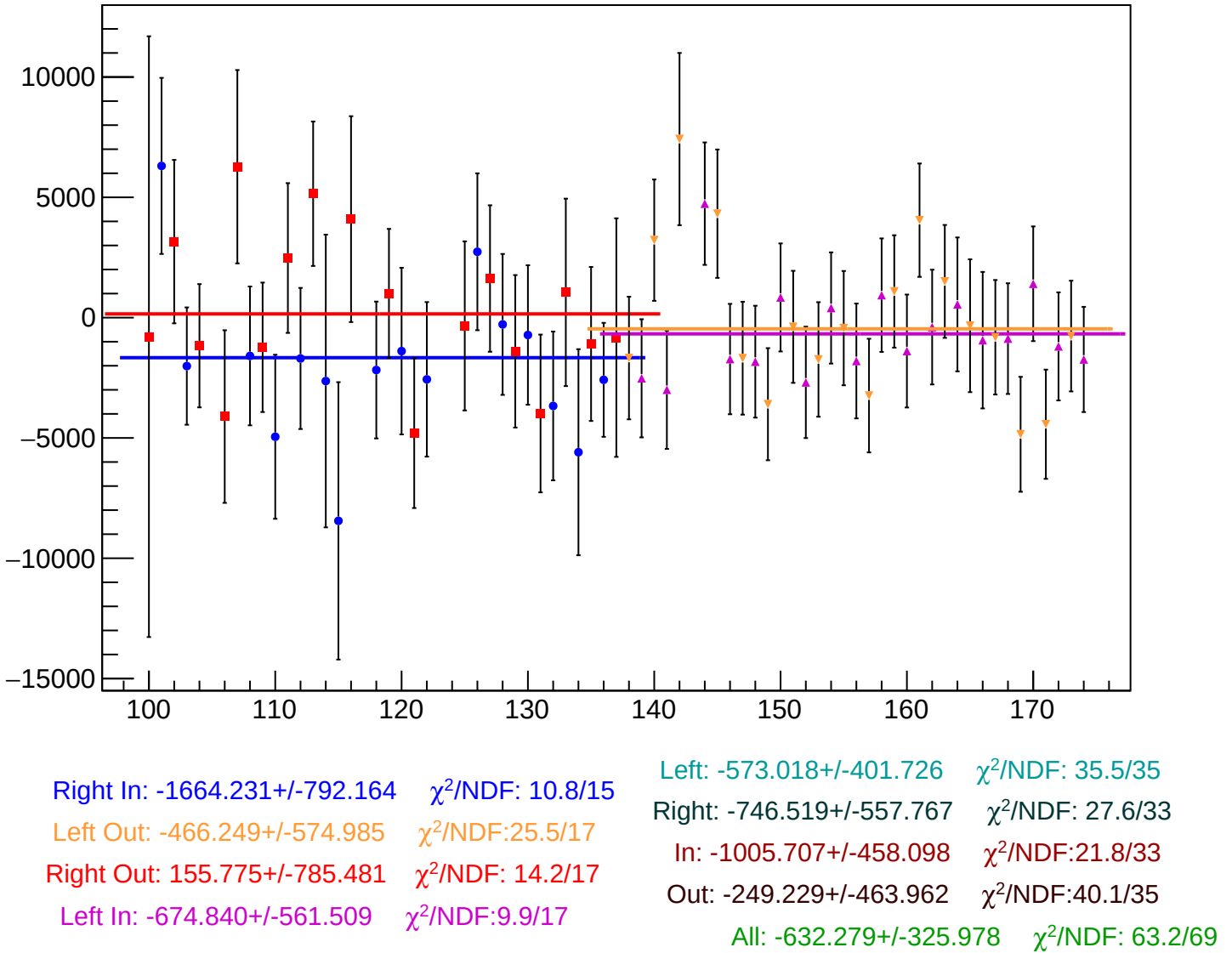
Left: 1326.964+/-0.175 χ^2/NDF: 756895.5/35

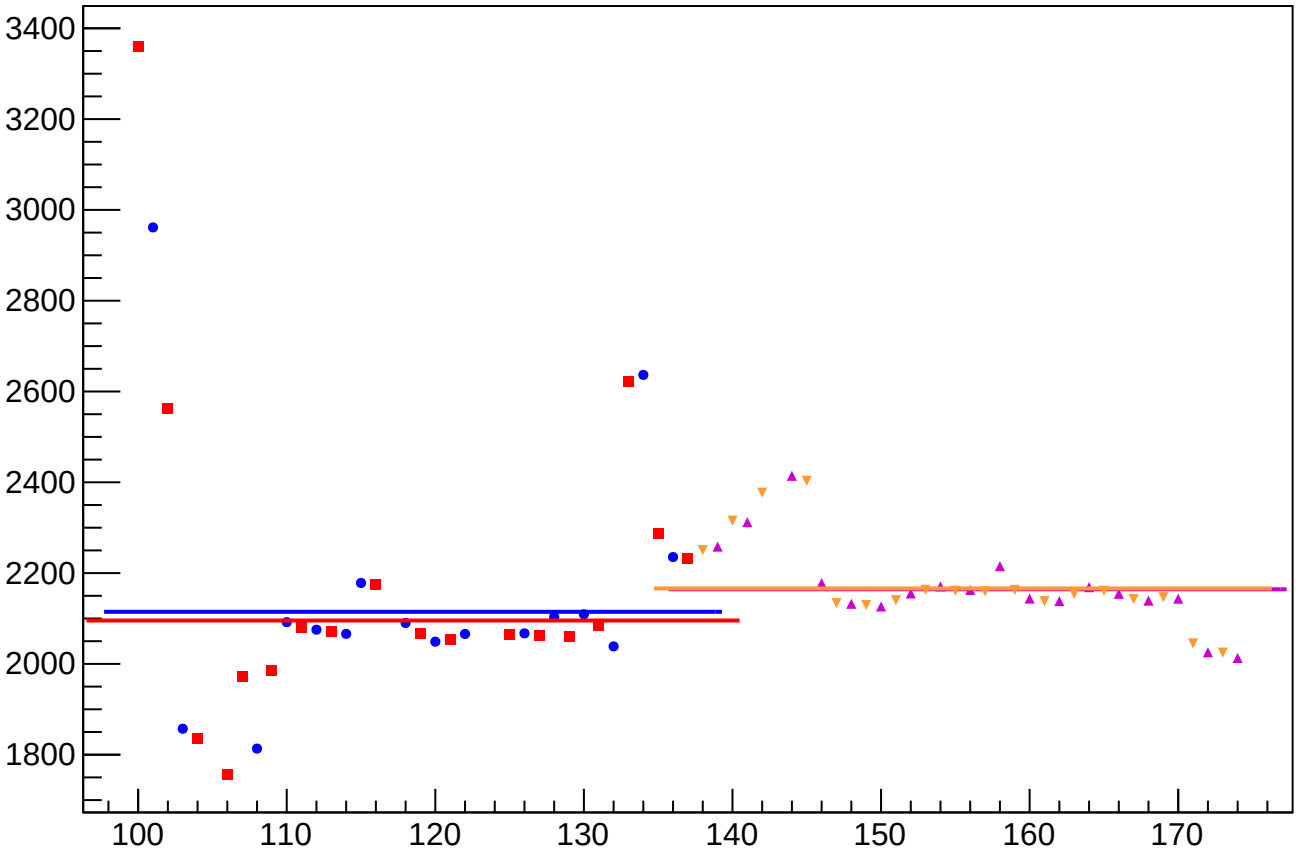
Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1445.378+/-0.227 χ^2/NDF:3429833.5/33

Out: 1452.962+/-0.232 χ^2/NDF:3384354.7/35

All: 1449.081+/-0.162 χ^2/NDF: 6814733.7/69


eigen_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: -466.249+/-574.985 χ²/NDF:25.5/17
Right Out: 155.775+/-785.481 χ²/NDF: 14.2/17
Left In: -674.840+/-561.509 χ²/NDF:9.9/17
Left: -573.018+/-401.726 χ²/NDF: 35.5/35
Right: -746.519+/-557.767 χ²/NDF: 27.6/33
In: -1005.707+/-458.098 χ²/NDF:21.8/33
Out: -249.229+/-463.962 χ²/NDF:40.1/35
All: -632.279+/-325.978 χ²/NDF: 63.2/69



Right In: 2114.755+/-0.560 χ^2/NDF: 189920.9/15

Left Out: 2166.207+/-0.407 χ^2/NDF:46983.7/17

Right Out: 2095.597+/-0.555 χ^2/NDF: 149360.5/17

Left In: 2164.338+/-0.397 χ^2/NDF:49475.2/17

Left: 2165.250+/-0.284 χ^2/NDF: 96469.8/35

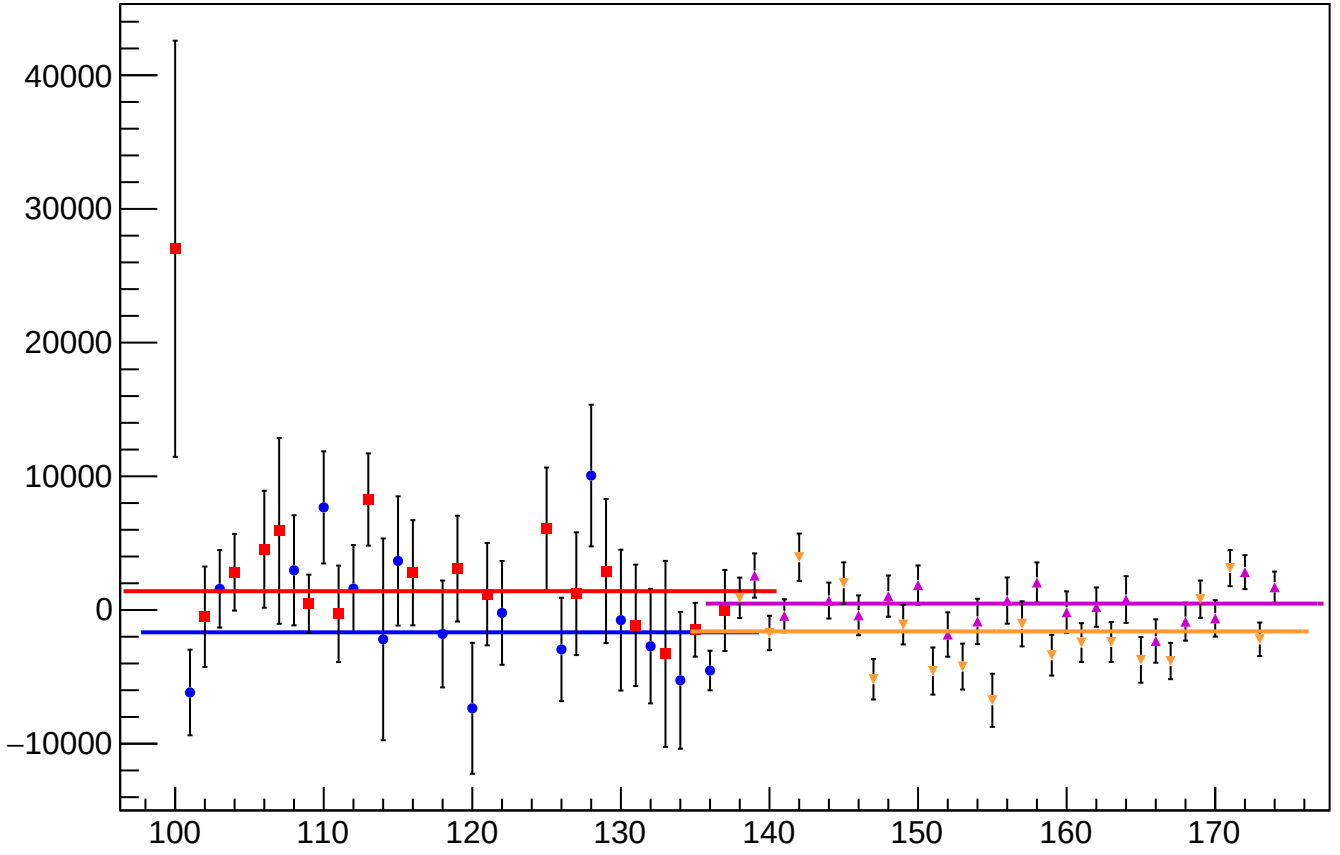
Right: 2105.095+/-0.394 χ^2/NDF: 339871.2/33

In: 2147.757+/-0.324 χ^2/NDF:244611.3/33

Out: 2141.572+/-0.328 χ^2/NDF:206867.5/35

All: 2144.703+/-0.231 χ^2/NDF: 451658.7/69

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1668.482+/-862.126 χ^2/NDF: 22.5/15

Left Out: -1600.069+/-356.427 χ^2/NDF:57.4/17

Right Out: 1407.975+/-847.068 χ^2/NDF: 13.0/17

Left In: 477.364+/-345.778 χ^2/NDF:16.5/17

Left: -529.853+/-248.181 χ^2/NDF: 91.4/35

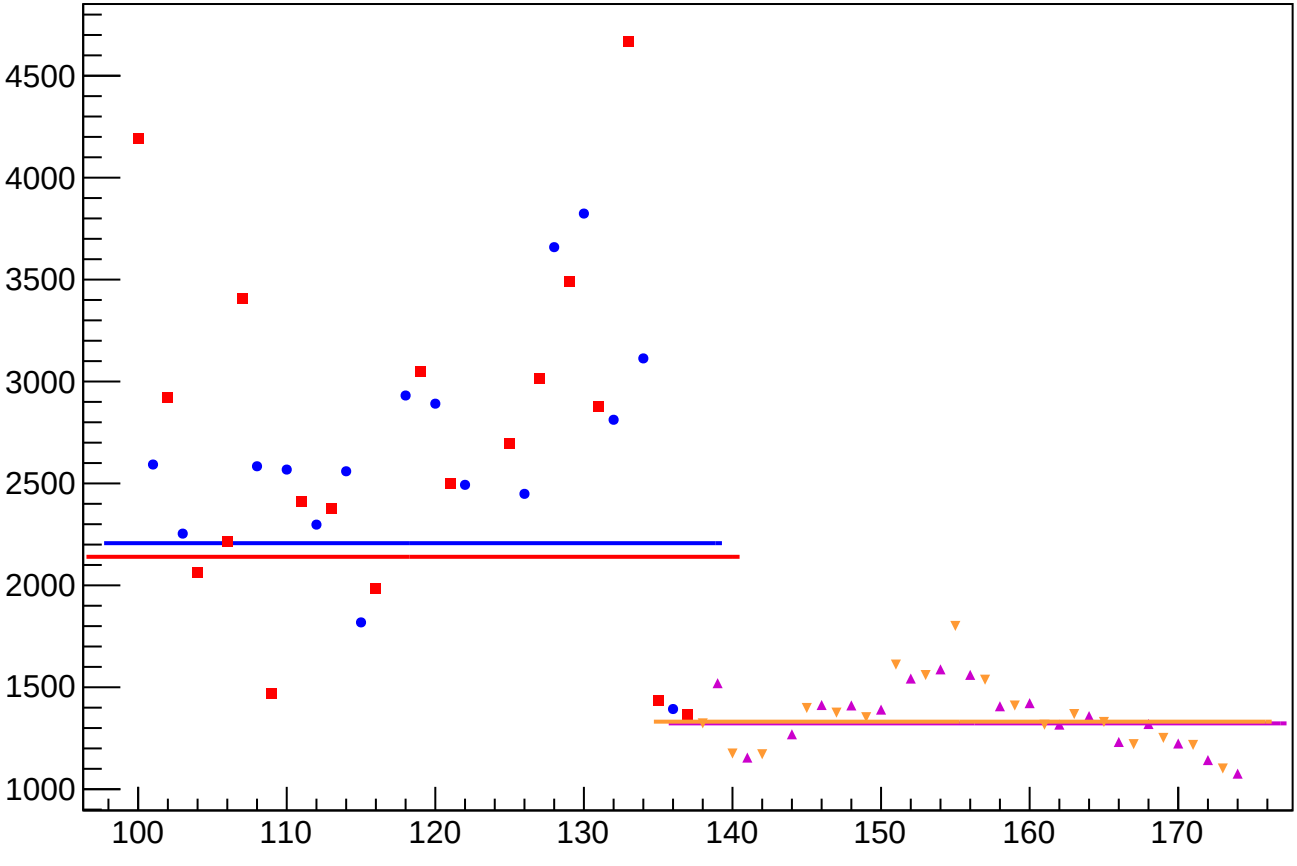
Right: -103.153+/-604.221 χ^2/NDF: 42.0/33

In: 180.012+/-320.927 χ^2/NDF:44.4/33

Out: -1147.595+/-328.528 χ^2/NDF:81.0/35

All: -468.255+/-229.570 χ^2/NDF: 133.8/69

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2206.918+/-0.610 χ^2/NDF: 1249024.4/15

Left Out: 1331.309+/-0.252 χ^2/NDF:387077.9/17

Right Out: 2140.060+/-0.599 χ^2/NDF: 1448366.8/17

Left In: 1322.875+/-0.245 χ^2/NDF:369240.7/17

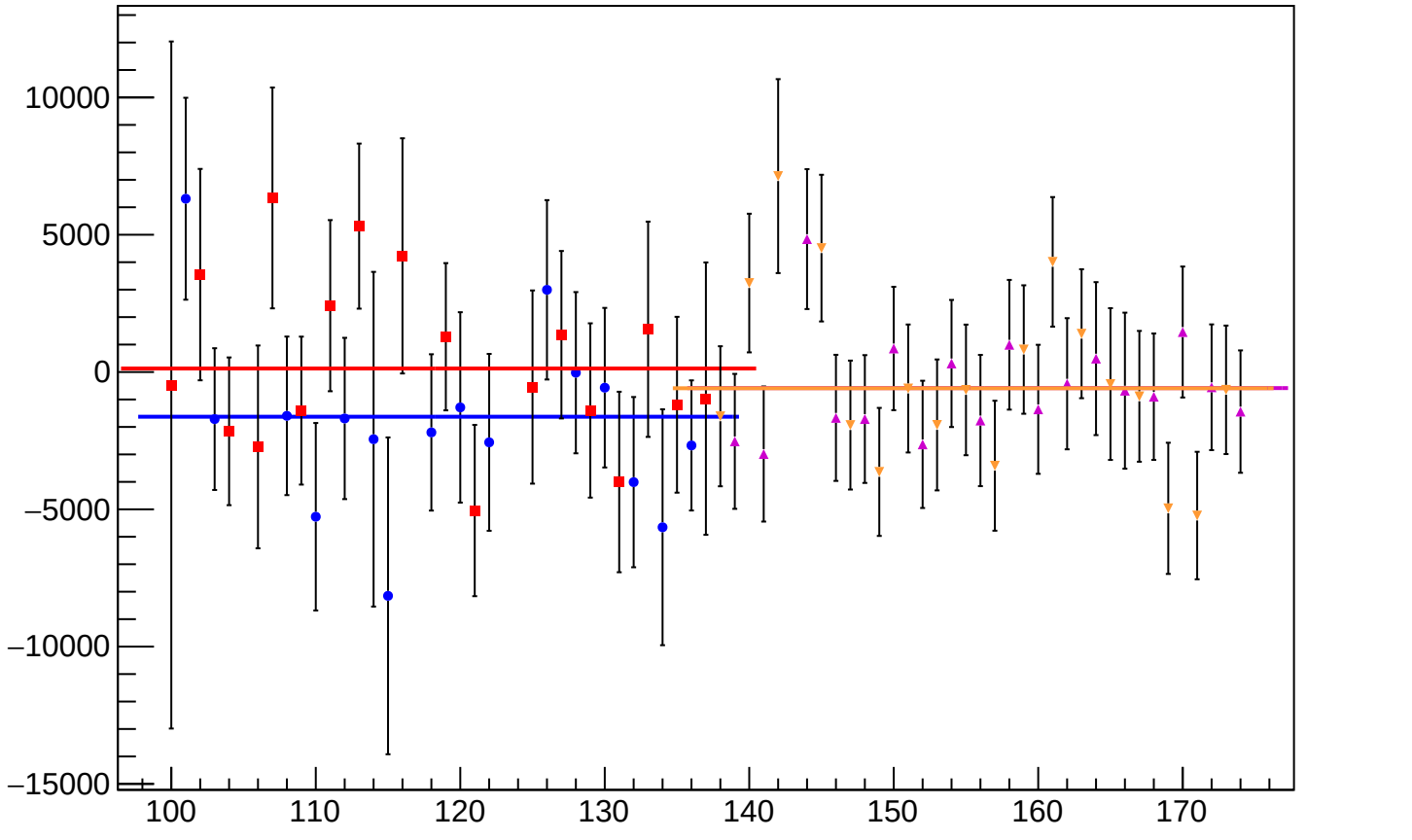
Left: 1326.964+/-0.175 χ^2/NDF: 756895.5/35

Right: 2172.900+/-0.427 χ^2/NDF: 2703511.1/33

In: 1445.378+/-0.227 χ^2/NDF:3429833.5/33

Out: 1452.962+/-0.232 χ^2/NDF:3384354.7/35

All: 1449.081+/-0.162 χ^2/NDF: 6814733.7/69



Right In: -1627.635+/-797.966 χ^2/NDF: 11.3/15

Left Out: -590.669+/-576.741 χ^2/NDF:26.9/17

Right Out: 128.099+/-795.899 χ^2/NDF: 14.6/17

Left In: -585.140+/-563.386 χ^2/NDF:9.8/17

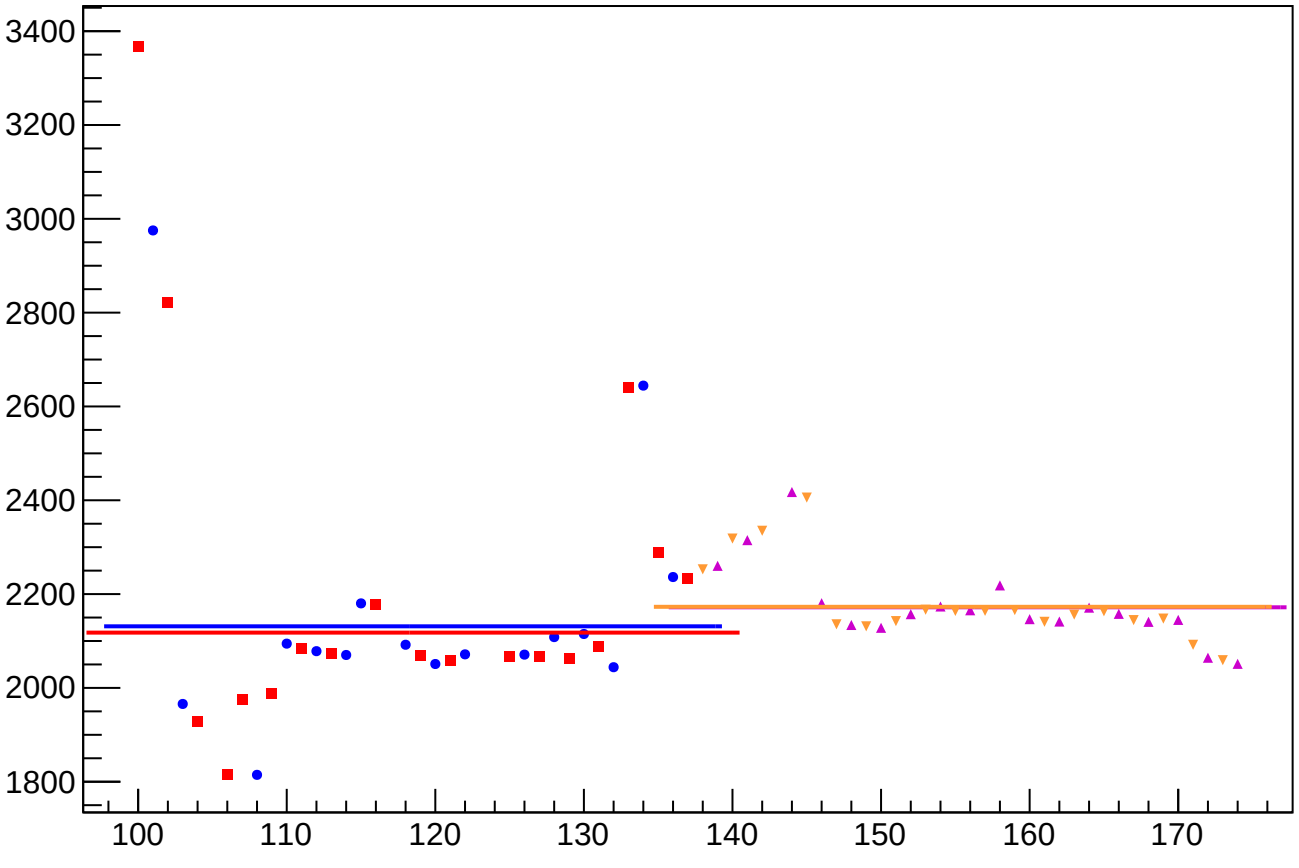
Left: -587.840+/-403.013 χ^2/NDF: 36.7/35

Right: -747.490+/-563.515 χ^2/NDF: 28.3/33

In: -931.930+/-460.237 χ^2/NDF:22.2/33

Out: -343.192+/-467.015 χ^2/NDF:42.0/35

All: -641.865+/-327.807 χ^2/NDF: 65.0/69



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2172.884+/-0.408 χ^2/NDF:37754.1/17

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.7/17

Left In: 2171.847+/-0.398 χ^2/NDF:41629.5/17

Left: 2172.353+/-0.285 χ^2/NDF: 79386.9/35

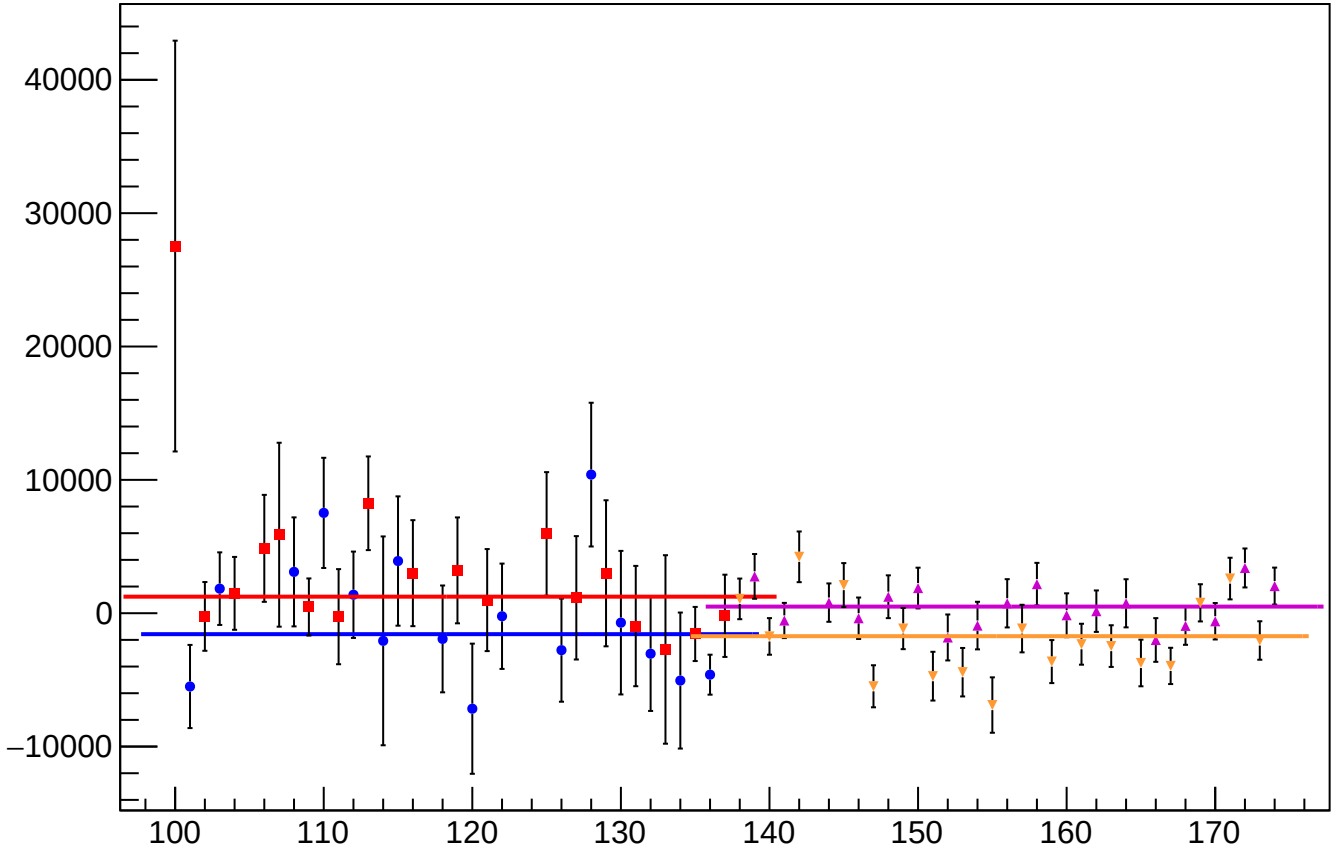
Right: 2124.565+/-0.398 χ^2/NDF: 339850.1/33

In: 2158.358+/-0.325 χ^2/NDF:221019.2/33

Out: 2153.942+/-0.330 χ^2/NDF:207643.1/35

All: 2156.182+/-0.232 χ^2/NDF: 428753.0/69

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: -1723.398+/-376.190 χ^2/NDF:52.3/17

Right Out: 1241.008+/-819.775 χ^2/NDF: 13.1/17

Left In: 495.927+/-365.743 χ^2/NDF:16.8/17

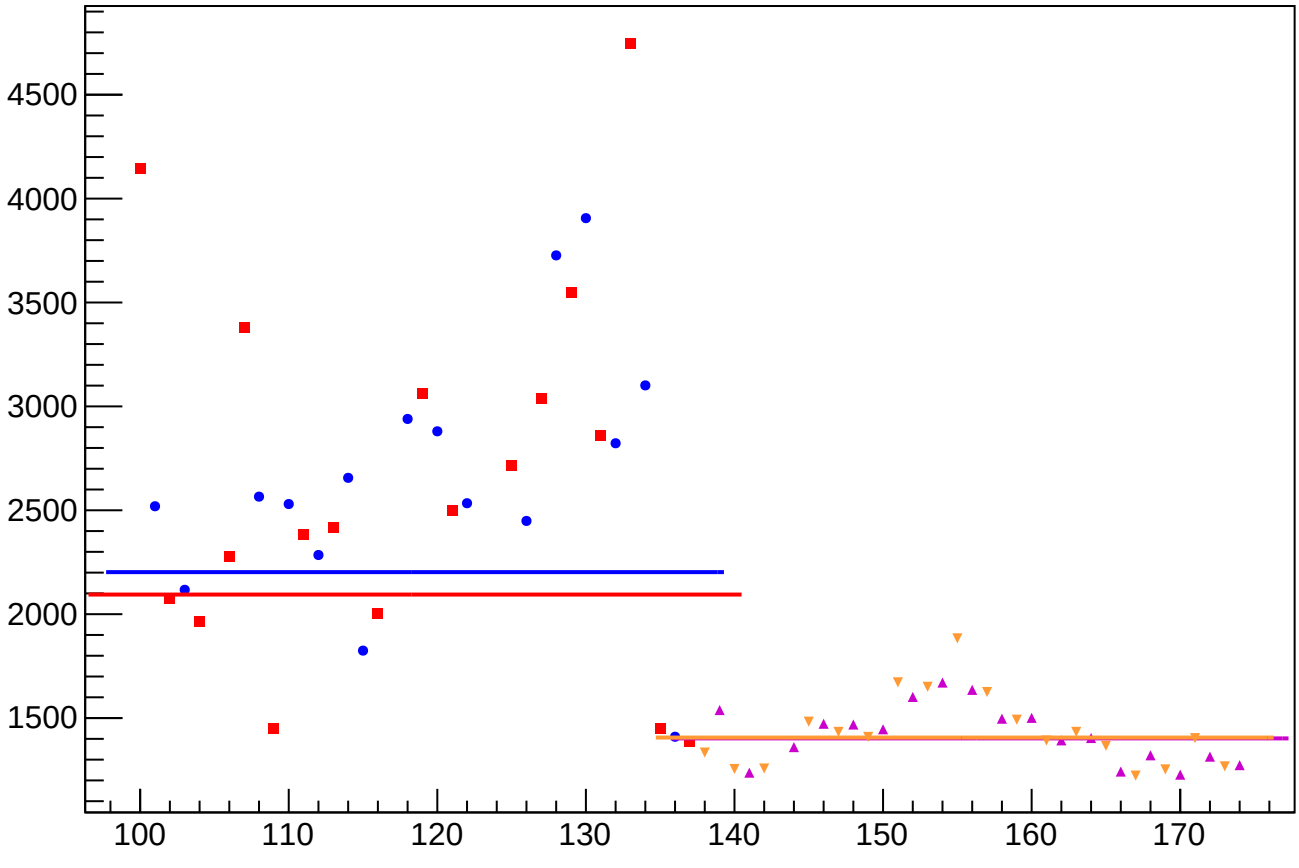
Left: -582.494+/-262.235 χ^2/NDF: 87.0/35

Right: -98.133+/-593.299 χ^2/NDF: 41.3/33

In: 179.184+/-336.556 χ^2/NDF:44.3/33

Out: -1207.733+/-341.908 χ^2/NDF:76.1/35

All: -503.334+/-239.851 χ^2/NDF: 128.8/69



Right In: 2202.378+/-0.608 χ^2/NDF: 1222965.0/15

Left Out: 1406.319+/-0.266 χ^2/NDF:346396.3/17

Right Out: 2094.445+/-0.580 χ^2/NDF: 1373676.8/17

Left In: 1402.169+/-0.259 χ^2/NDF:257972.1/17

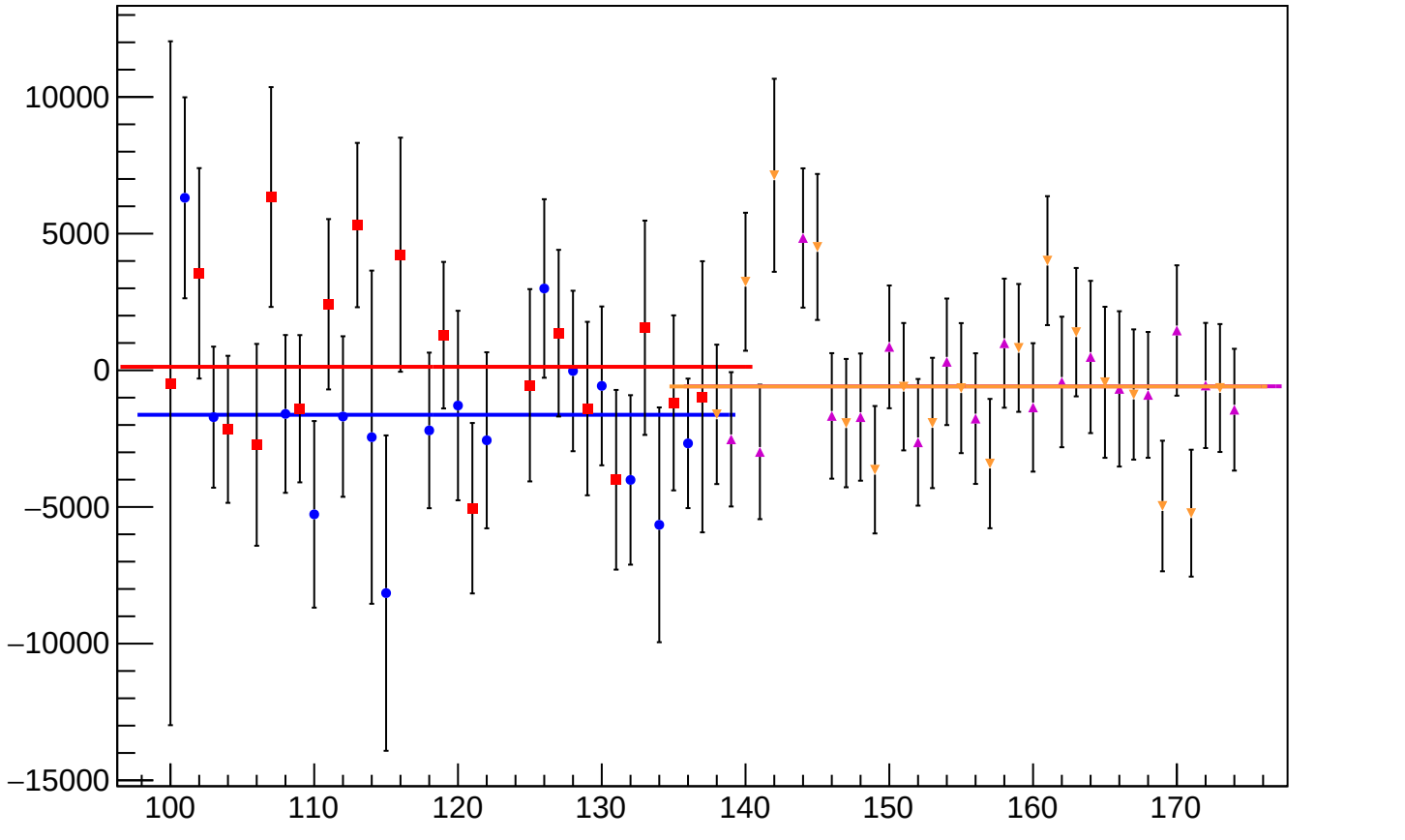
Left: 1404.186+/-0.185 χ^2/NDF: 604493.5/35

Right: 2145.844+/-0.420 χ^2/NDF: 2613152.0/33

In: 1524.792+/-0.238 χ^2/NDF:2948004.7/33

Out: 1526.020+/-0.242 χ^2/NDF:2884151.8/35

All: 1525.396+/-0.170 χ^2/NDF: 5832169.6/69



Right In: -1627.637+/-797.966 χ^2/NDF: 11.3/15

Left Out: -590.665+/-576.740 χ^2/NDF:26.9/17

Right Out: 128.093+/-795.899 χ^2/NDF: 14.6/17

Left In: -585.141+/-563.386 χ^2/NDF:9.8/17

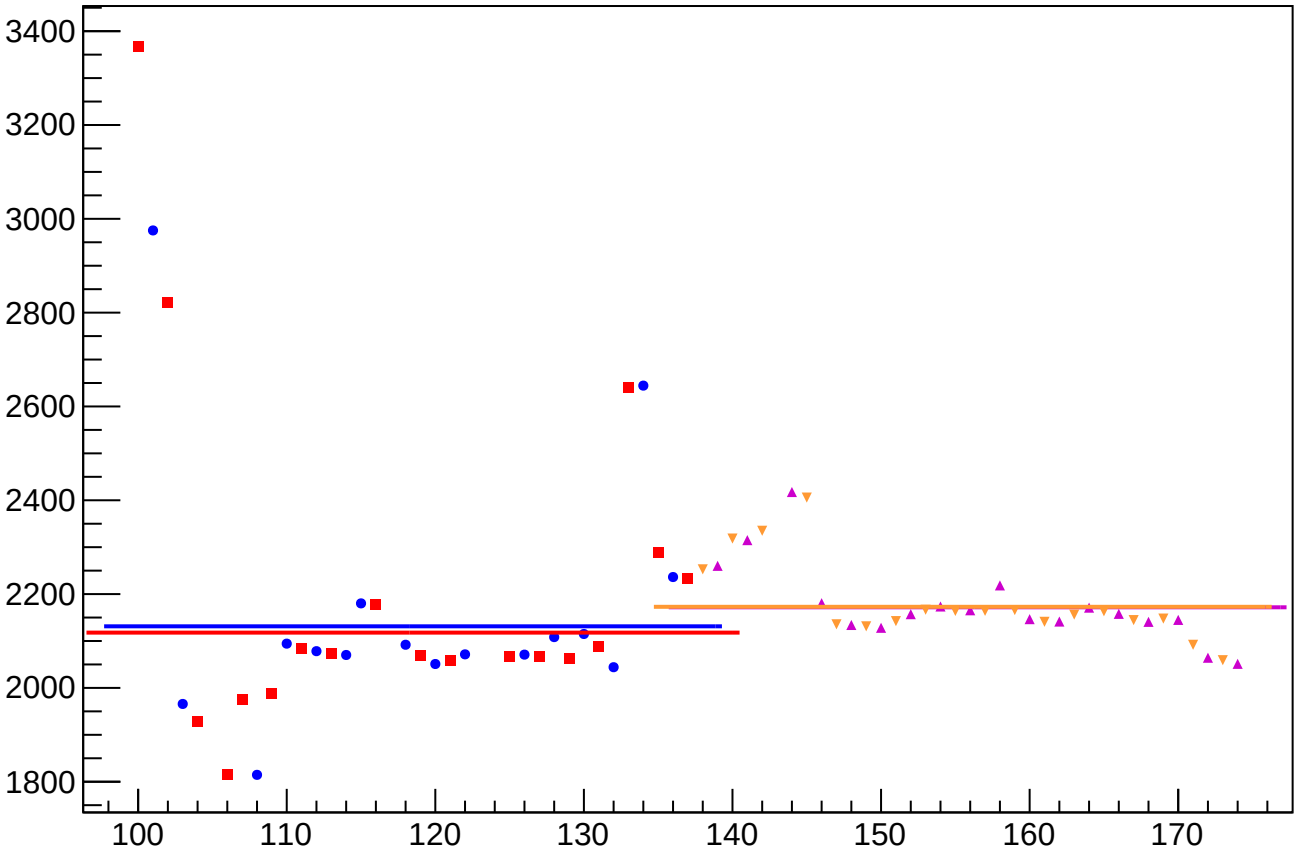
Left: -587.838+/-403.013 χ^2/NDF: 36.7/35

Right: -747.494+/-563.515 χ^2/NDF: 28.3/33

In: -931.932+/-460.237 χ^2/NDF:22.2/33

Out: -343.192+/-467.015 χ^2/NDF:42.0/35

All: -641.865+/-327.807 χ^2/NDF: 65.0/69



Right In: 2131.298+/-0.564 χ^2/NDF: 175943.3/15

Left Out: 2172.884+/-0.408 χ^2/NDF:37754.3/17

Right Out: 2117.868+/-0.563 χ^2/NDF: 163622.6/17

Left In: 2171.846+/-0.398 χ^2/NDF:41629.7/17

Left: 2172.353+/-0.285 χ^2/NDF: 79387.3/35

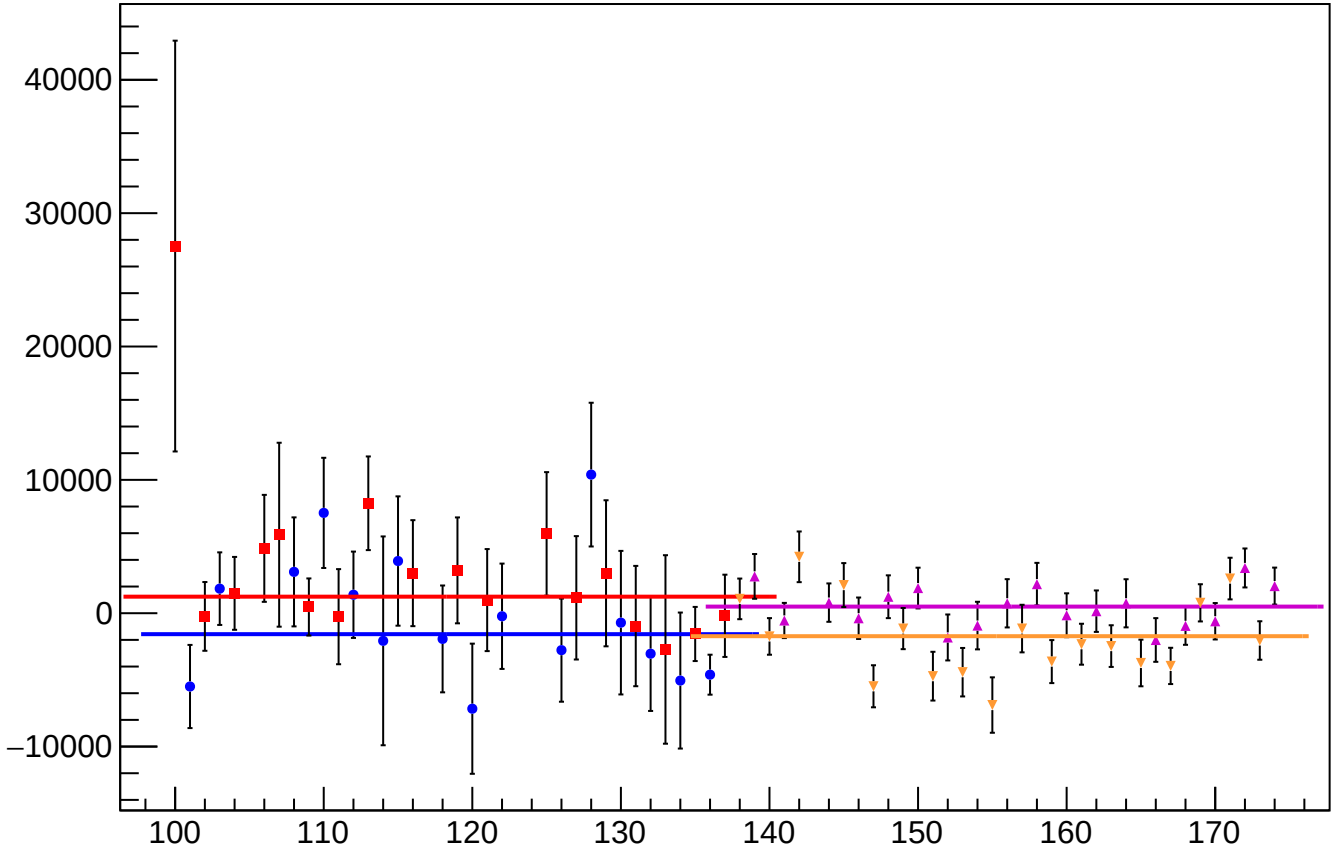
Right: 2124.565+/-0.398 χ^2/NDF: 339849.9/33

In: 2158.358+/-0.325 χ^2/NDF:221019.3/33

Out: 2153.941+/-0.330 χ^2/NDF:207643.2/35

All: 2156.182+/-0.232 χ^2/NDF: 428753.2/69

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1571.058+/-859.757 χ^2/NDF: 22.6/15

Left Out: -1723.401+/-376.190 χ^2/NDF:52.3/17

Right Out: 1241.023+/-819.778 χ^2/NDF: 13.1/17

Left In: 495.923+/-365.743 χ^2/NDF:16.8/17

Left: -582.497+/-262.235 χ^2/NDF: 87.0/35

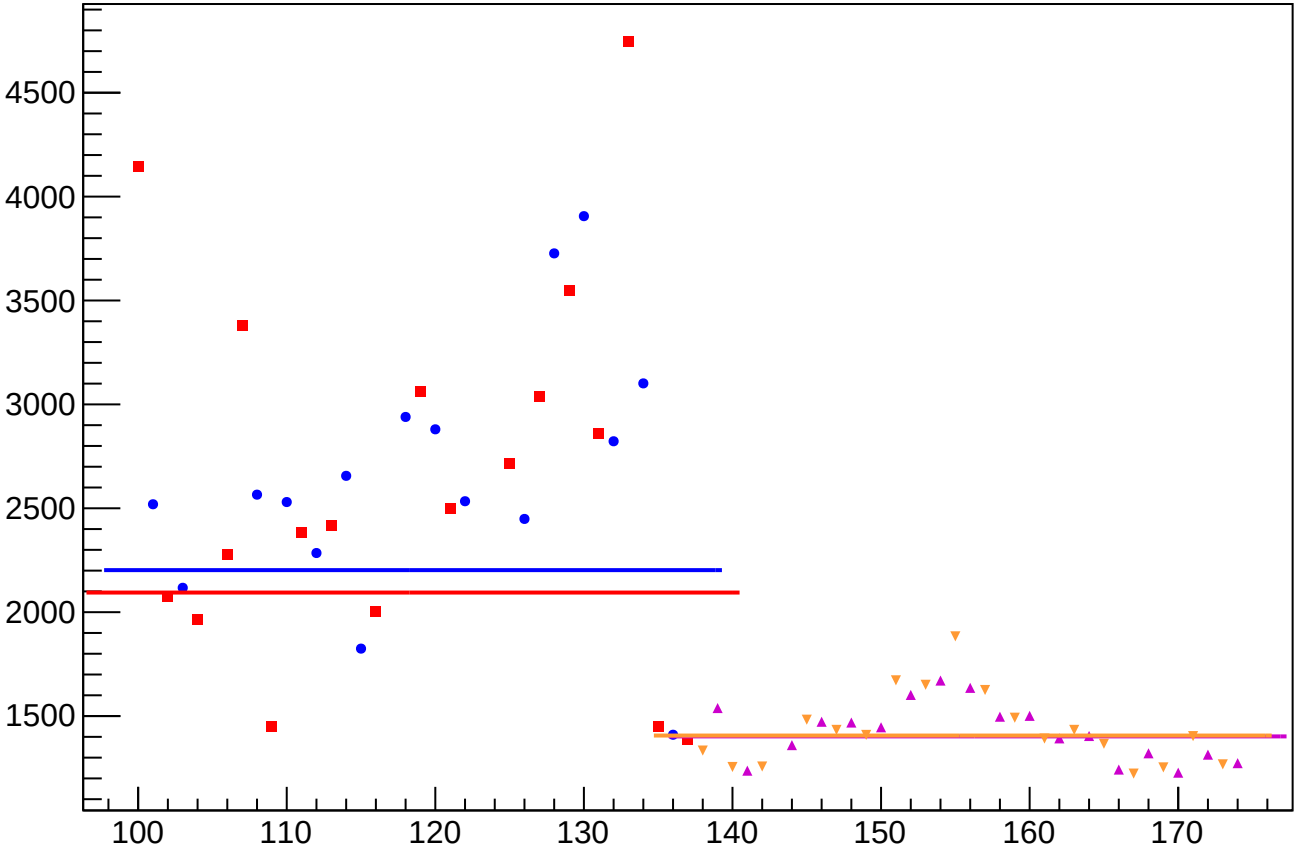
Right: -98.119+/-593.301 χ^2/NDF: 41.3/33

In: 179.185+/-336.556 χ^2/NDF:44.3/33

Out: -1207.737+/-341.909 χ^2/NDF:76.1/35

All: -503.334+/-239.851 χ^2/NDF: 128.8/69

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2202.391+/-0.608 χ^2/NDF: 1222905.3/15

Left Out: 1406.319+/-0.266 χ^2/NDF:346391.2/17

Right Out: 2094.457+/-0.580 χ^2/NDF: 1373629.6/17

Left In: 1402.169+/-0.259 χ^2/NDF:257977.7/17

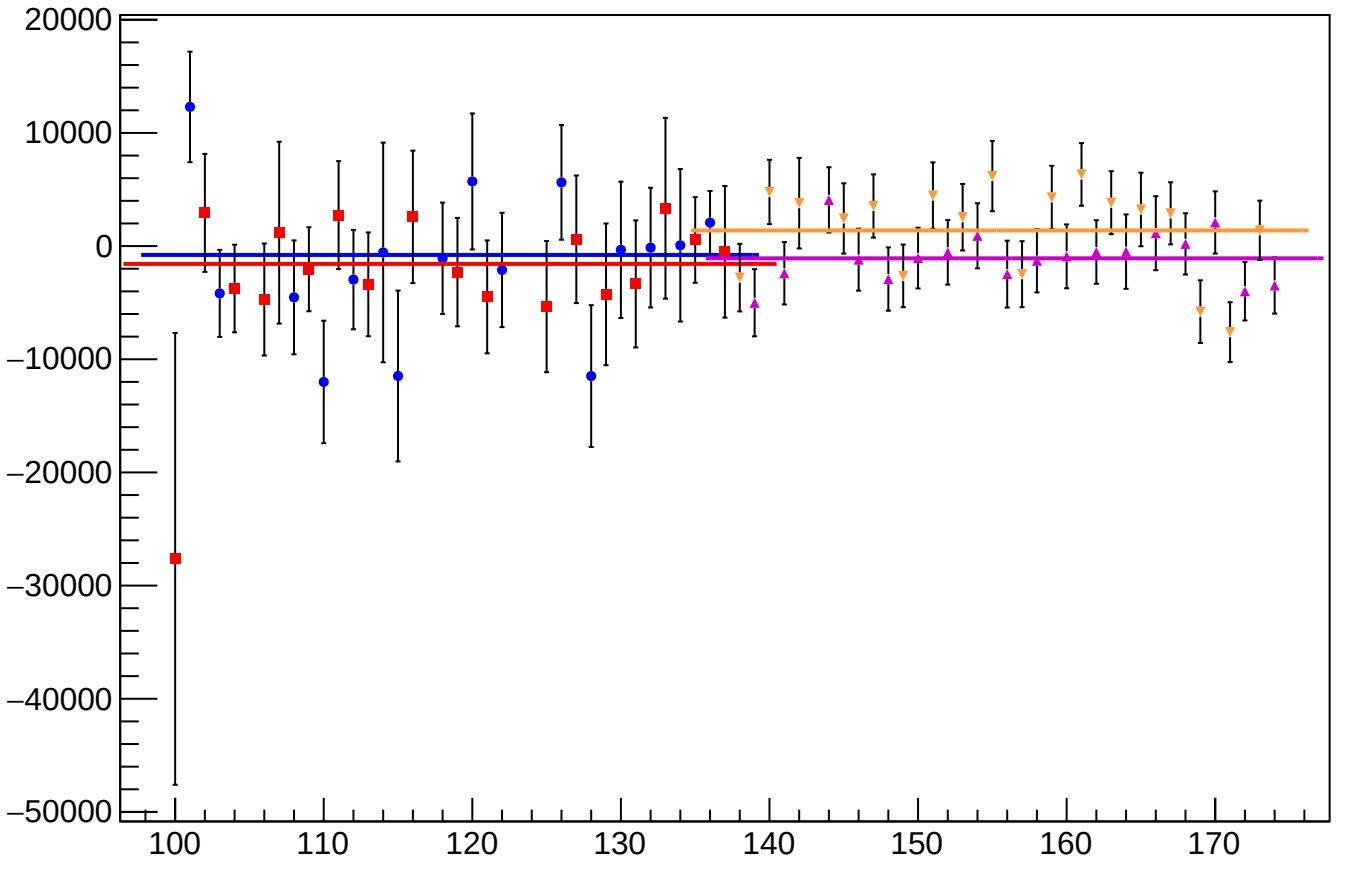
Left: 1404.185+/-0.185 χ^2/NDF: 604494.1/35

Right: 2145.856+/-0.420 χ^2/NDF: 2613045.0/33

In: 1524.792+/-0.238 χ^2/NDF:2947990.9/33

Out: 1526.022+/-0.242 χ^2/NDF:2884131.1/35

All: 1525.397+/-0.170 χ^2/NDF: 5832135.2/69



Right In: -781.619+/-1241.711 χ^2/NDF: 21.9/15

Left Out: 1380.243+/-682.160 χ^2/NDF:35.9/17

Right Out: -1574.673+/-1218.961 χ^2/NDF: 6.7/17

Left In: -1081.928+/-663.660 χ^2/NDF:10.6/17

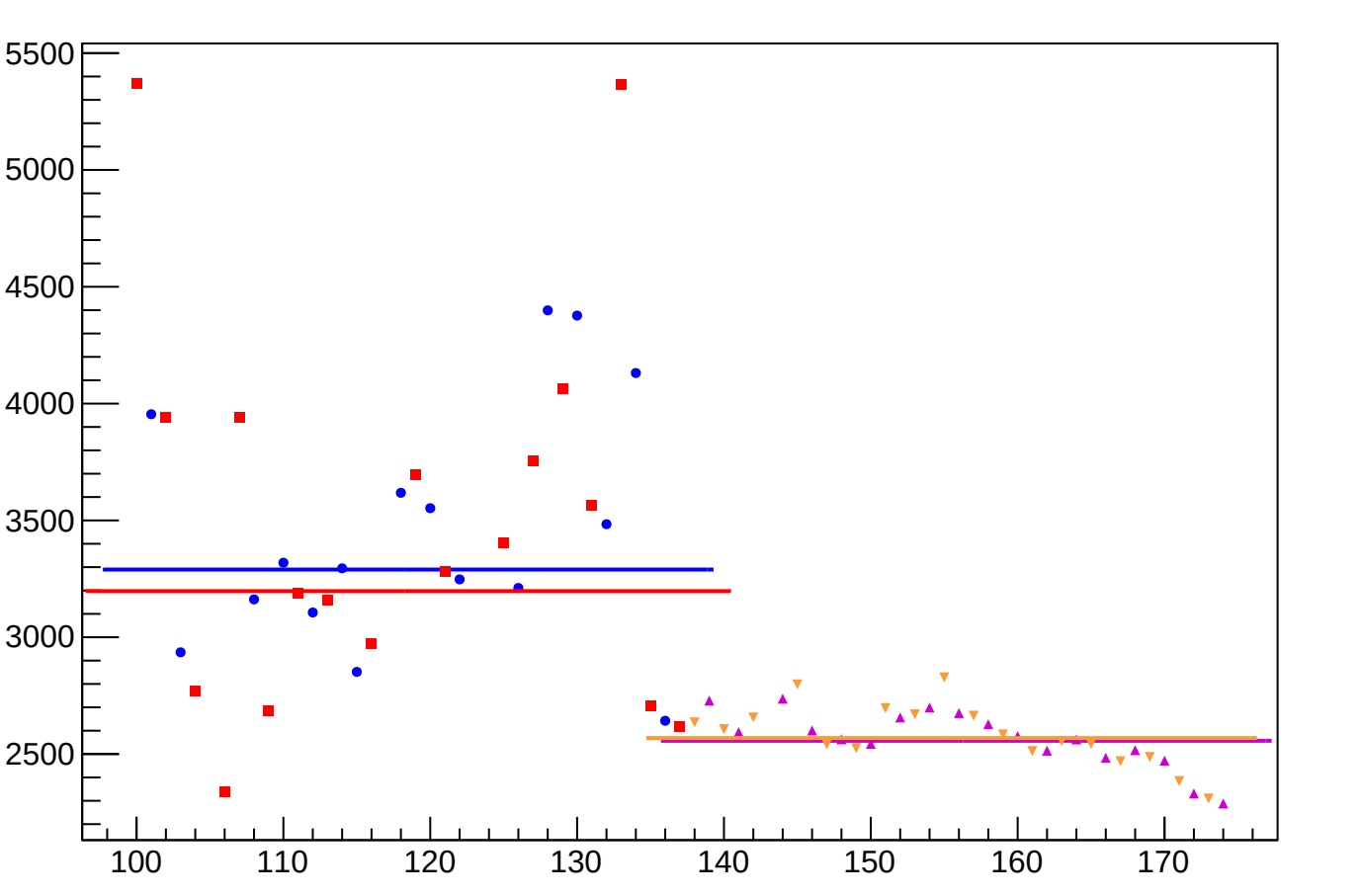
Left: 115.319+/-475.684 χ^2/NDF: 53.3/35

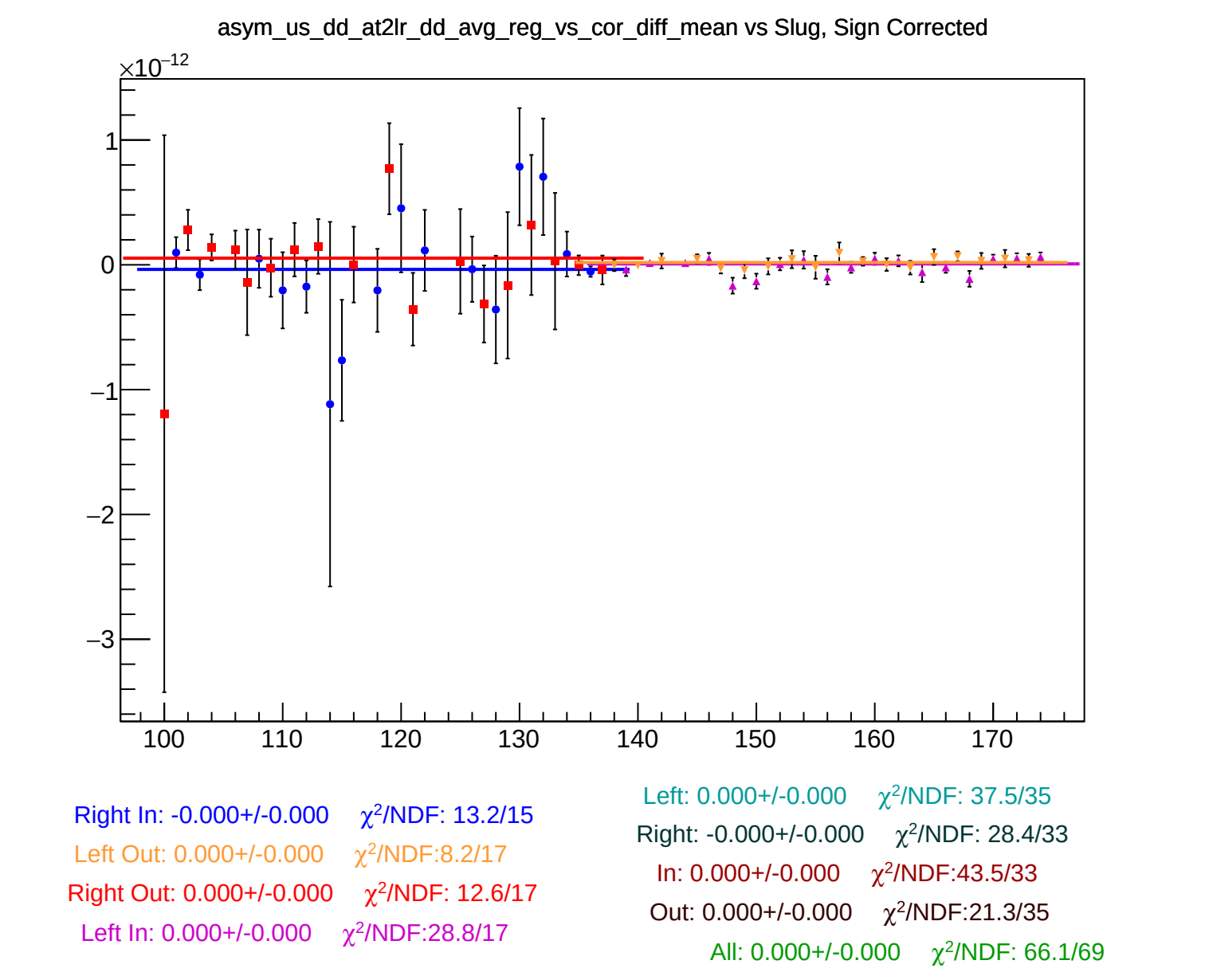
Right: -1185.478+/-869.867 χ^2/NDF: 28.8/33

In: -1015.203+/-585.305 χ^2/NDF:32.6/33

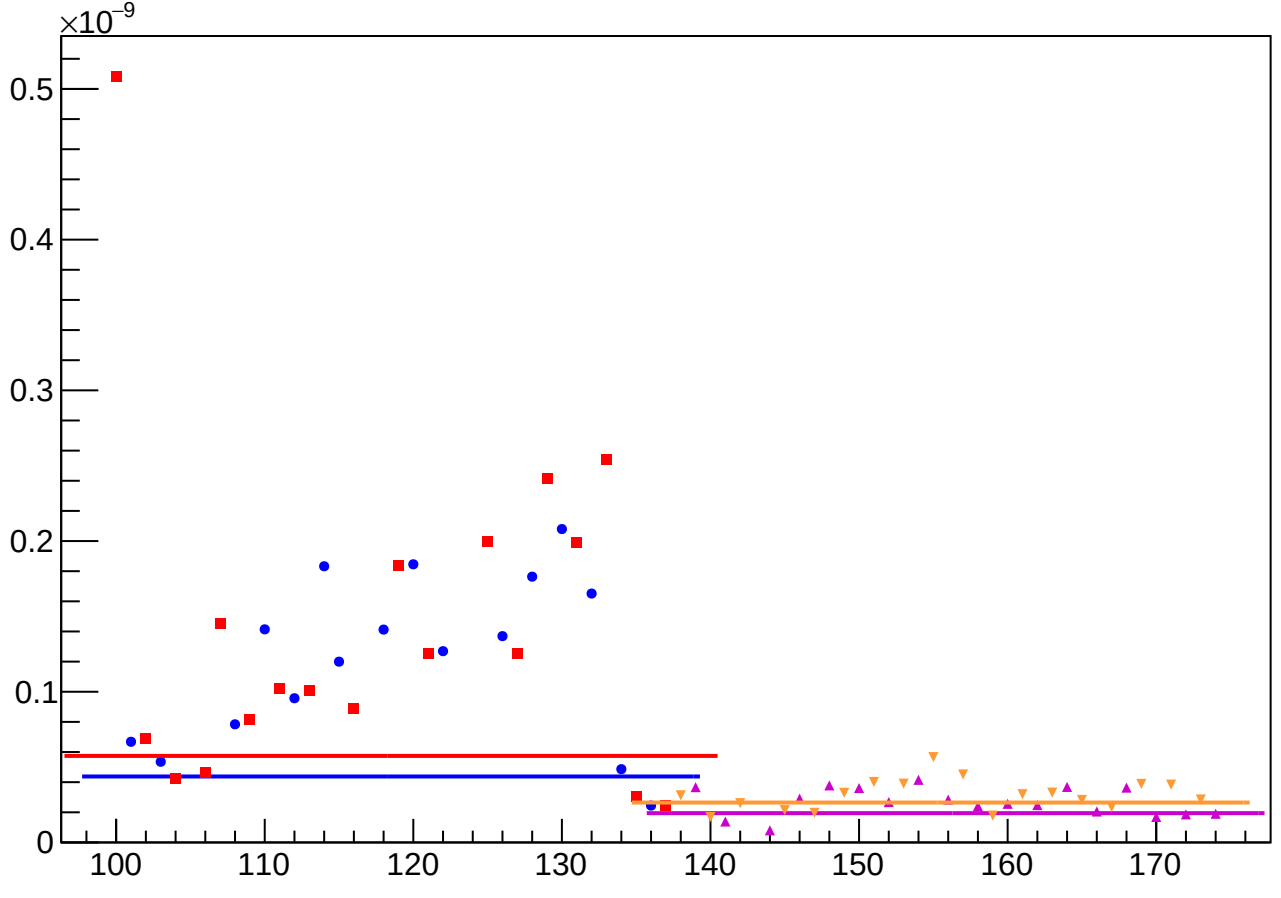
Out: 675.528+/-595.284 χ^2/NDF:47.1/35

All: -184.127+/-417.357 χ^2/NDF: 83.8/69


asym_us_dd_at2lr_dd_avg_rms vs Slug, Sign Corrected
5500
5000
4500
4000
3500
3000
2500
100
110
120
130
140
150
160
170
Right In: 3289.690+/-0.878 χ²/NDF: 347594.0/15
Left Out: 2568.499+/-0.482 χ²/NDF:70769.2/17
Right Out: 3197.375+/-0.862 χ²/NDF: 499934.1/17
Left In: 2556.803+/-0.469 χ²/NDF:69815.9/17
Left: 2562.490+/-0.336 χ²/NDF: 140887.2/35
Right: 3242.678+/-0.615 χ²/NDF: 853157.4/33
In: 2719.643+/-0.414 χ²/NDF:959332.4/33
Out: 2718.483+/-0.421 χ²/NDF:976086.7/35
All: 2719.073+/-0.295 χ²/NDF: 1935423.0/69


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 13.2/15
Left Out: 0.000+/-0.000 χ²/NDF:8.2/17
Right Out: 0.000+/-0.000 χ²/NDF: 12.6/17
Left In: 0.000+/-0.000 χ²/NDF:28.8/17
Left: 0.000+/-0.000 χ²/NDF: 37.5/35
Right: -0.000+/-0.000 χ²/NDF: 28.4/33
In: 0.000+/-0.000 χ²/NDF:43.5/33
Out: 0.000+/-0.000 χ²/NDF:21.3/35
All: 0.000+/-0.000 χ²/NDF: 66.1/69

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2227887.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1114929.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2086696.1/17

Left In: 0.000+/-0.000 χ^2/NDF:2109500.5/17

Left: 0.000+/-0.000 χ^2/NDF: 3661897.0/35

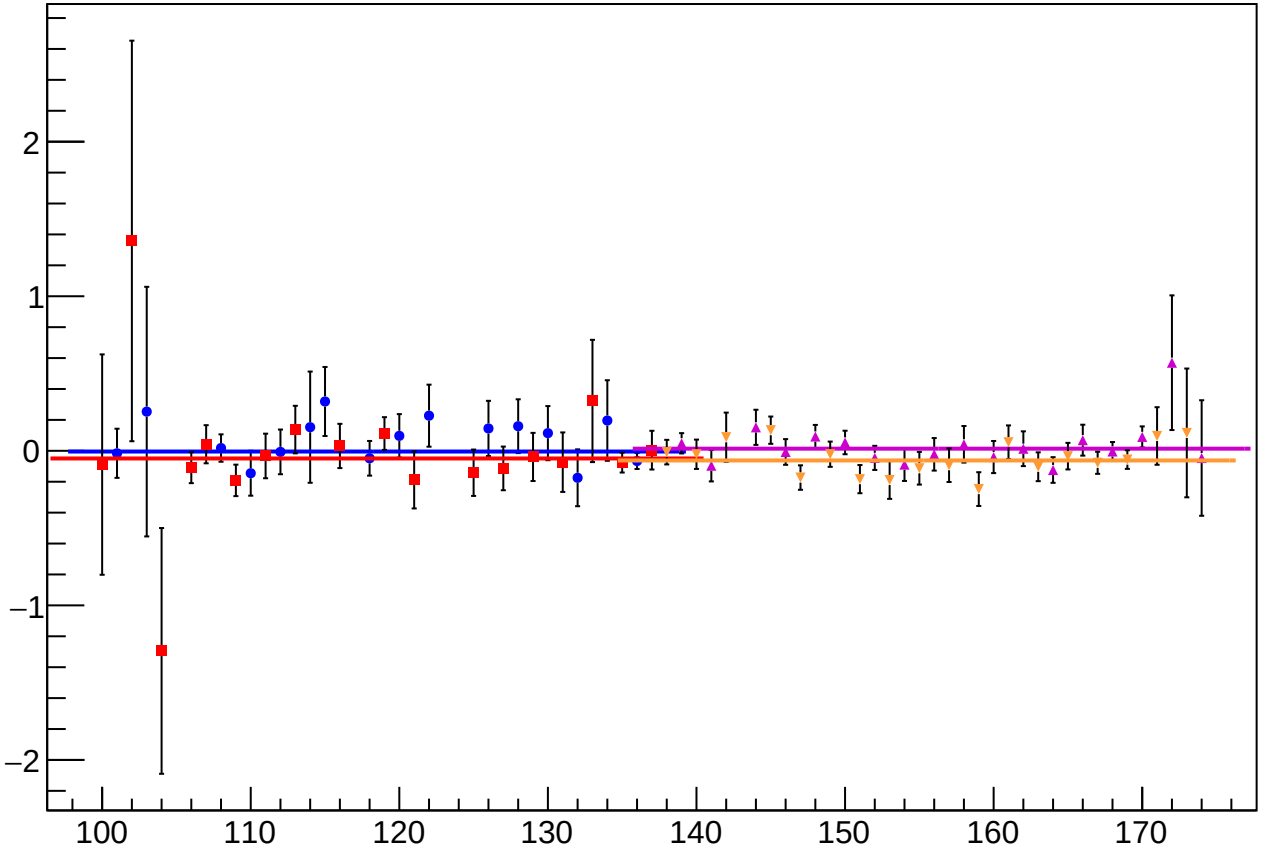
Right: 0.000+/-0.000 χ^2/NDF: 4436407.3/33

In: 0.000+/-0.000 χ^2/NDF:5269097.3/33

Out: 0.000+/-0.000 χ^2/NDF:4151832.4/35

All: 0.000+/-0.000 χ^2/NDF: 9942845.7/69

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.022+/-0.015 χ^2/NDF: 35.7/35

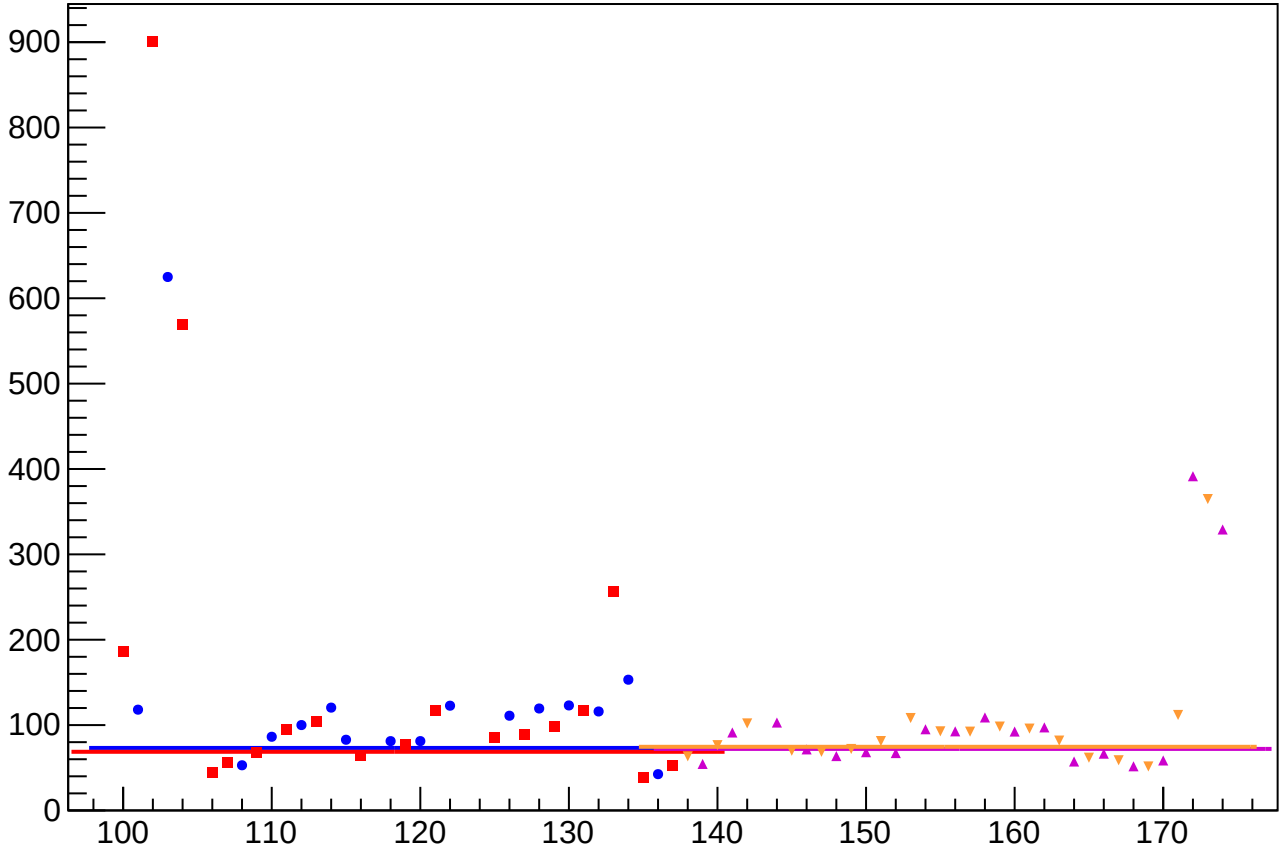
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/69

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 74.565+/-0.016 χ^2/NDF:2060905.5/17

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

Left: 73.278+/-0.011 χ^2/NDF: 5409537.9/35

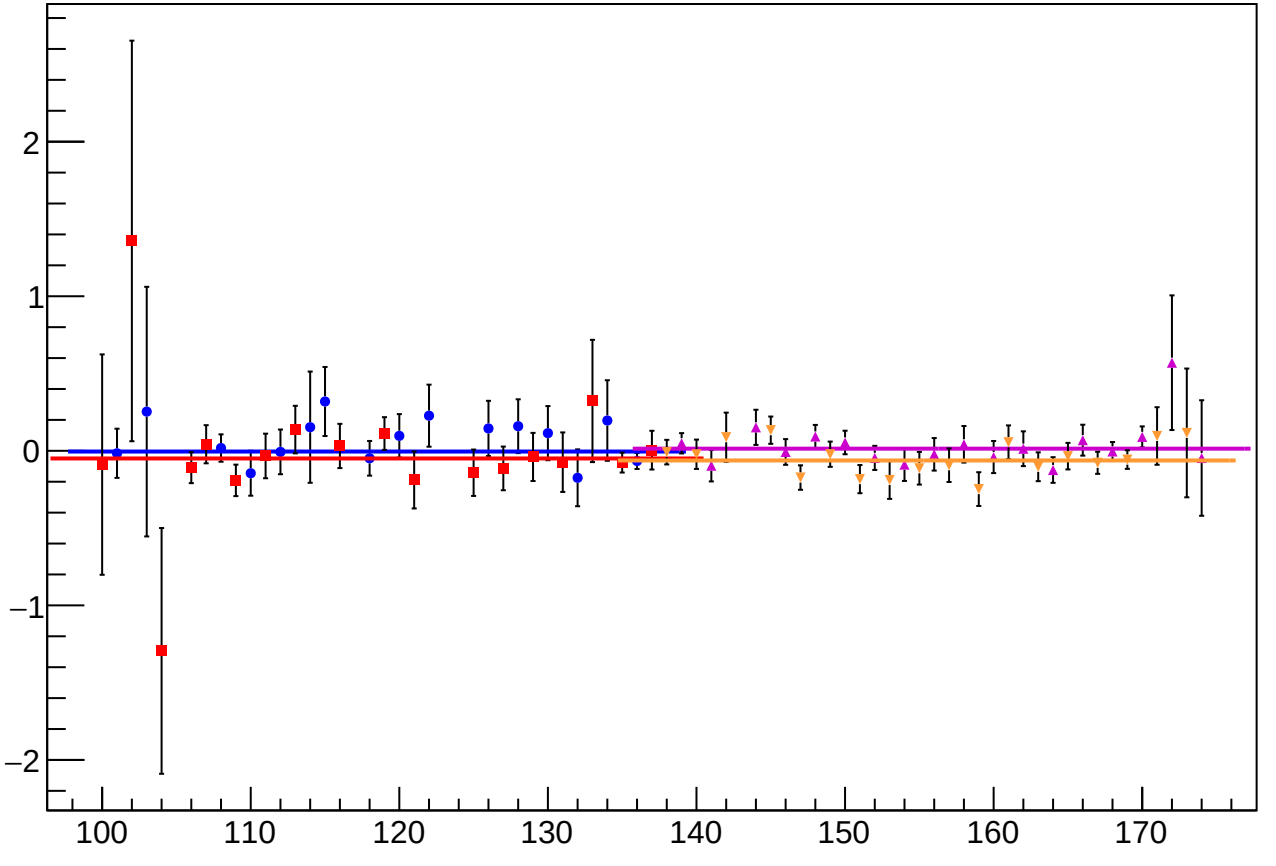
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.446+/-0.013 χ^2/NDF:6192072.9/33

Out: 72.642+/-0.013 χ^2/NDF:5438317.1/35

All: 72.541+/-0.009 χ^2/NDF: 11630510.3/69

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.022+/-0.015 χ^2/NDF: 35.7/35

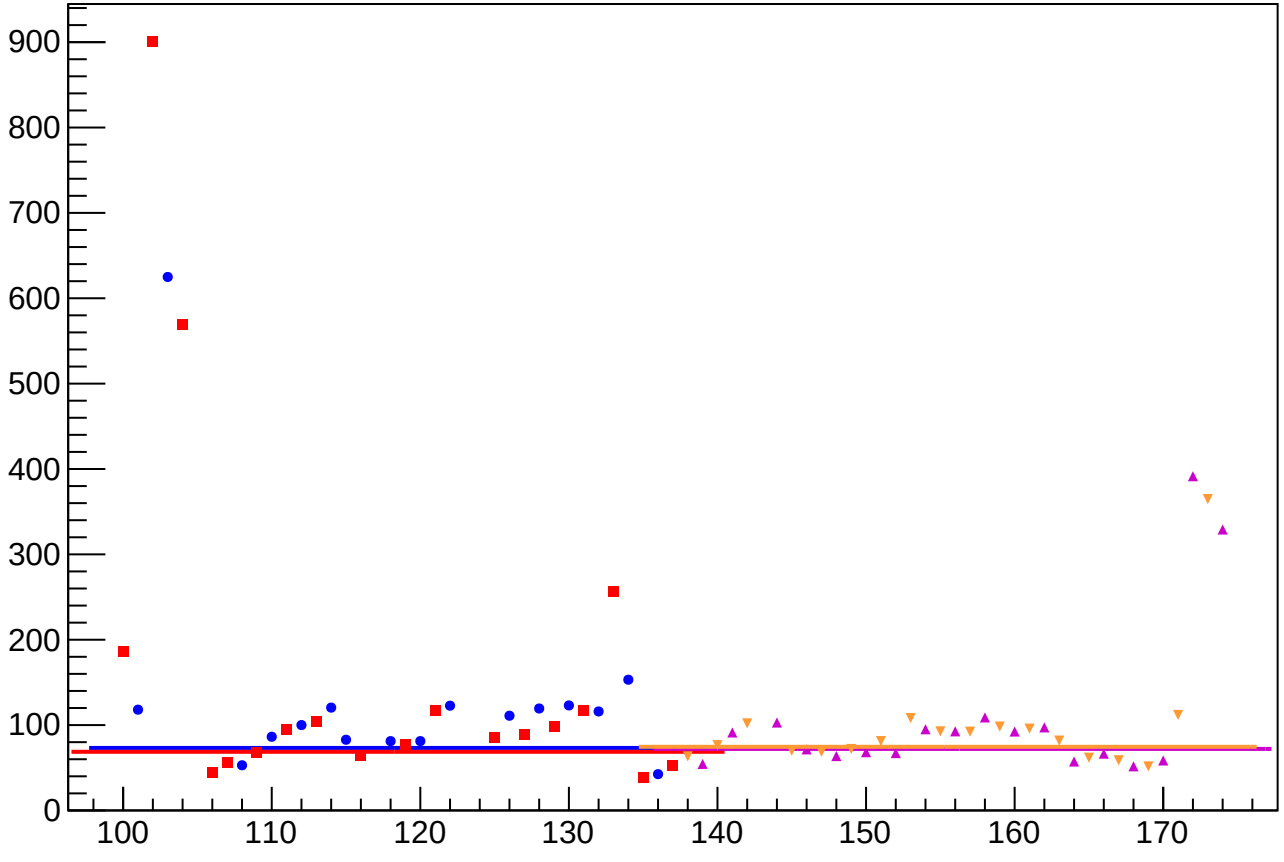
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/69

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.234+/-0.023 χ^2/NDF: 2854601.2/15

Left Out: 74.565+/-0.016 χ^2/NDF:2060905.5/17

Right Out: 68.724+/-0.022 χ^2/NDF: 3331744.2/17

Left In: 72.105+/-0.015 χ^2/NDF:3335755.8/17

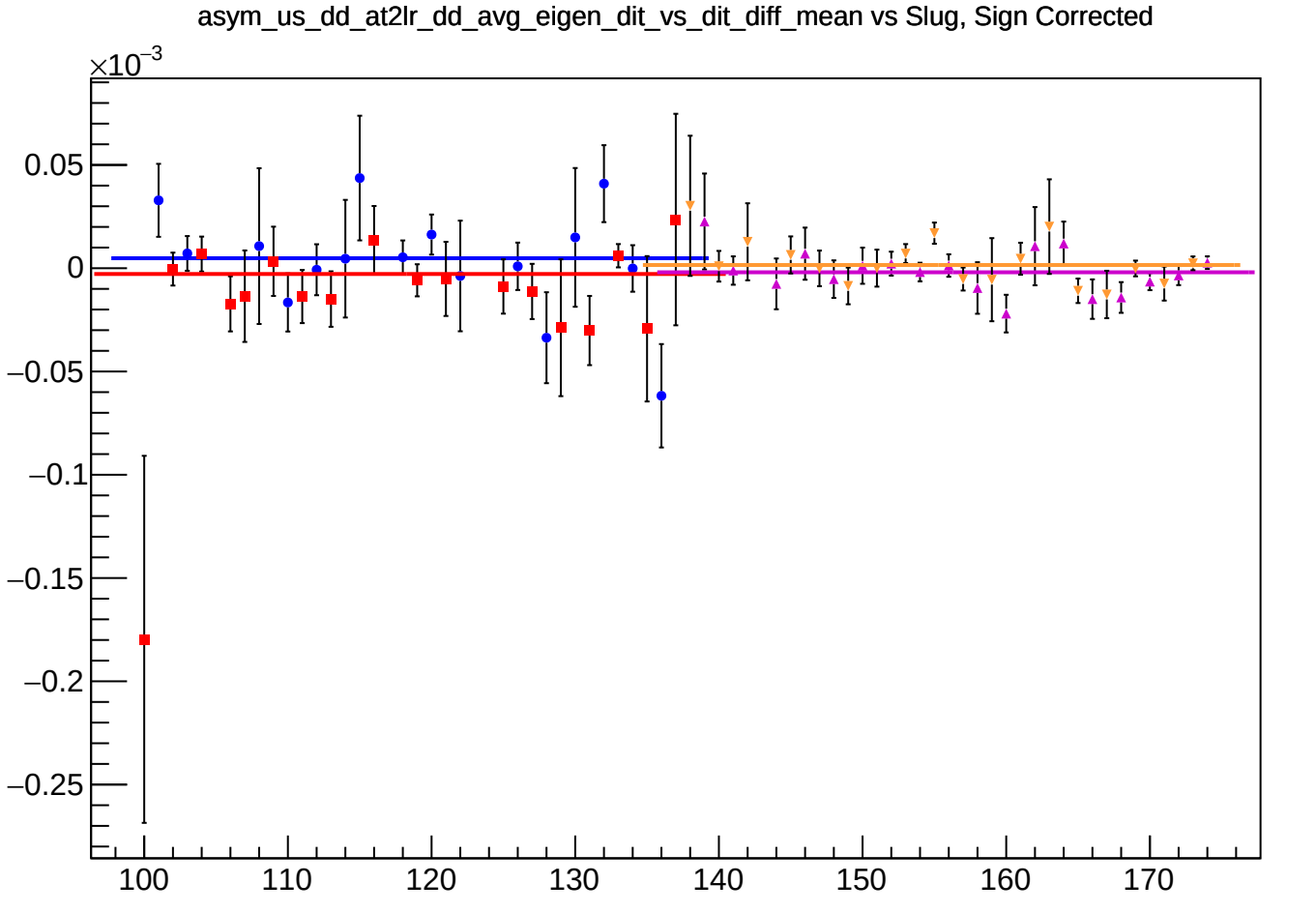
Left: 73.278+/-0.011 χ^2/NDF: 5409537.9/35

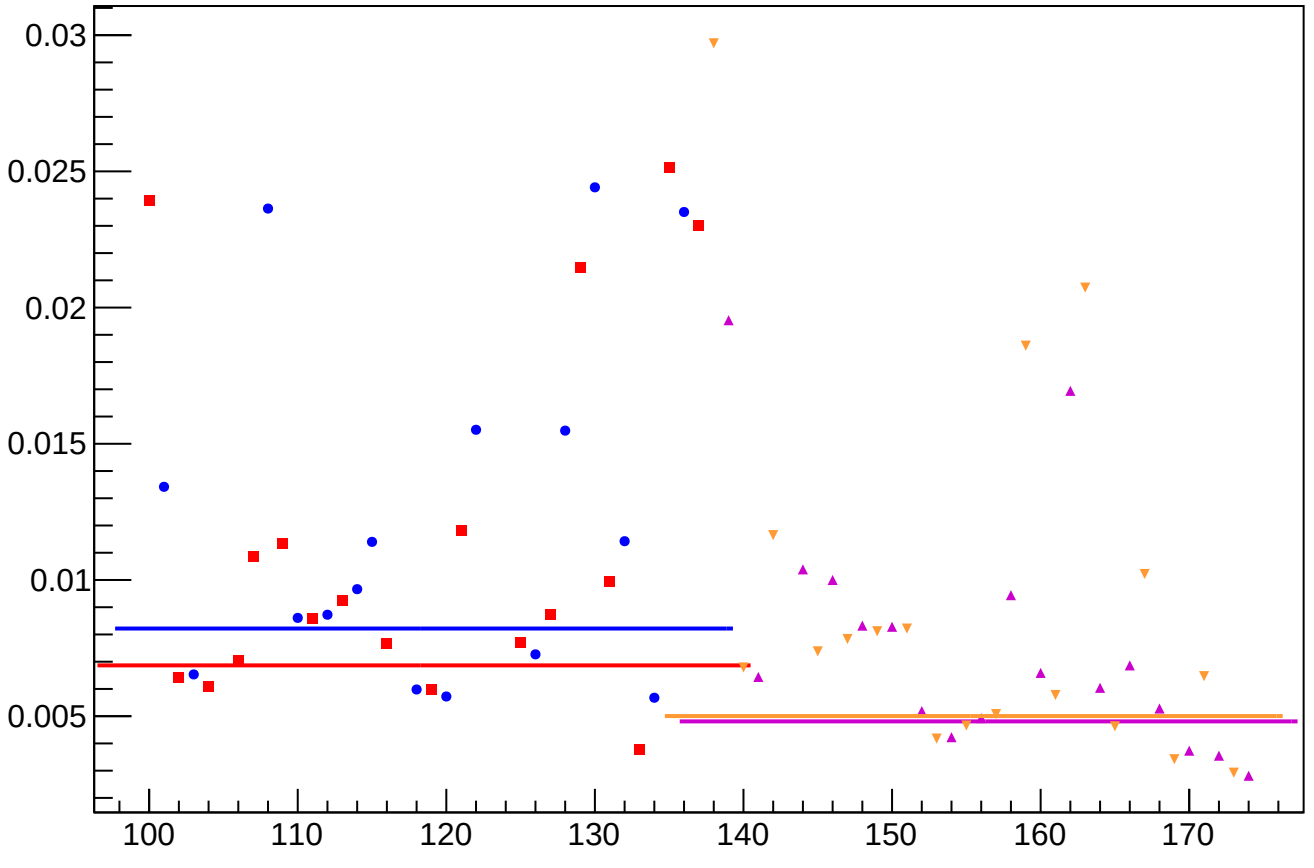
Right: 70.939+/-0.016 χ^2/NDF: 6206281.8/33

In: 72.446+/-0.013 χ^2/NDF:6192072.9/33

Out: 72.642+/-0.013 χ^2/NDF:5438317.1/35

All: 72.541+/-0.009 χ^2/NDF: 11630510.3/69


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.6/15
Left Out: 0.000+/-0.000 χ²/NDF:23.1/17
Right Out: -0.000+/-0.000 χ²/NDF: 16.8/17
Left In: -0.000+/-0.000 χ²/NDF:18.5/17
Left: -0.000+/-0.000 χ²/NDF: 44.3/35
Right: 0.000+/-0.000 χ²/NDF: 42.2/33
In: -0.000+/-0.000 χ²/NDF:44.3/33
Out: 0.000+/-0.000 χ²/NDF:41.7/35
All: -0.000+/-0.000 χ²/NDF: 86.5/69



Right In: 0.008+/-0.000 χ^2/NDF: 2656170.2/15

Left Out: 0.005+/-0.000 χ^2/NDF:5846317.7/17

Right Out: 0.007+/-0.000 χ^2/NDF: 2426444.0/17

Left In: 0.005+/-0.000 χ^2/NDF:4754241.8/17

Left: 0.005+/-0.000 χ^2/NDF: 10617140.4/35

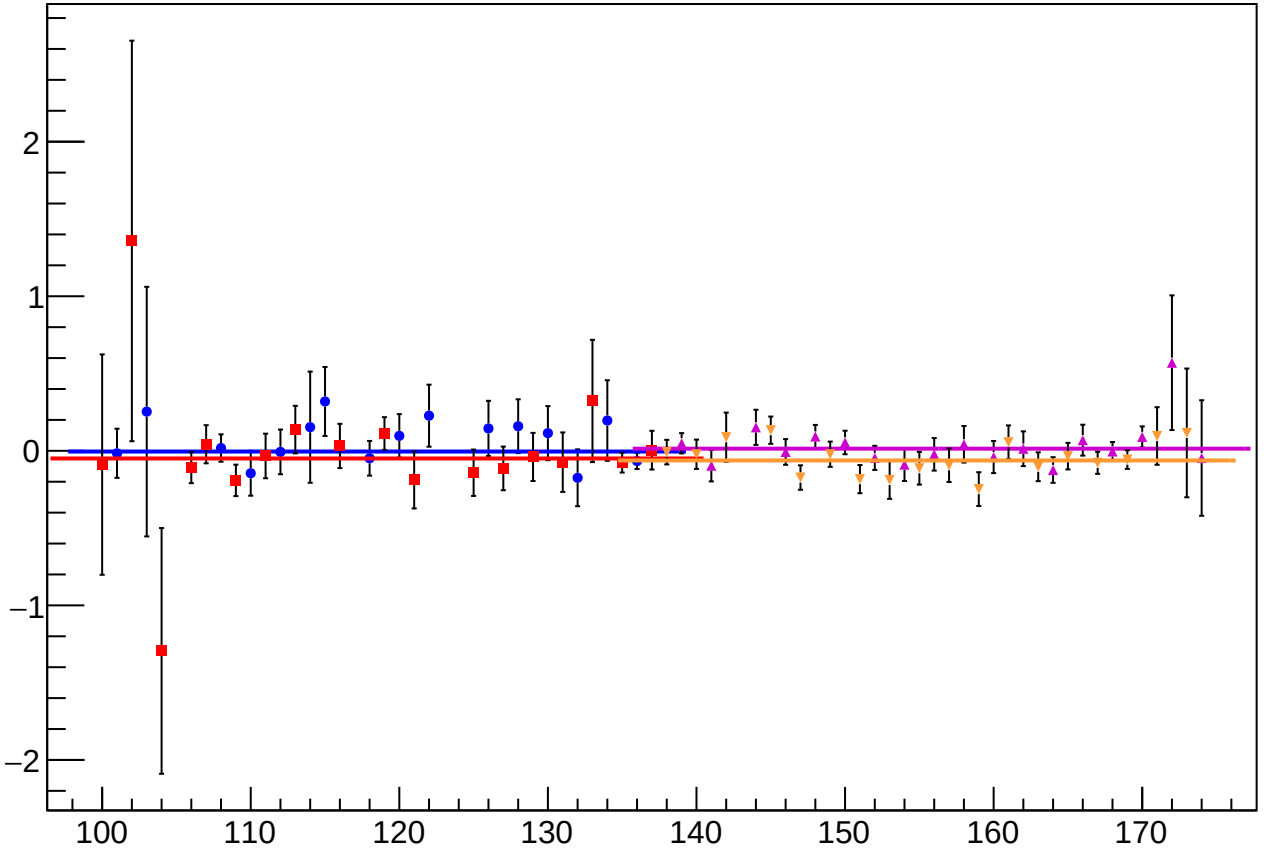
Right: 0.007+/-0.000 χ^2/NDF: 5263403.5/33

In: 0.005+/-0.000 χ^2/NDF:9018877.4/33

Out: 0.005+/-0.000 χ^2/NDF:8937805.9/35

All: 0.005+/-0.000 χ^2/NDF: 17960802.6/69

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.022+/-0.015 χ^2/NDF: 35.7/35

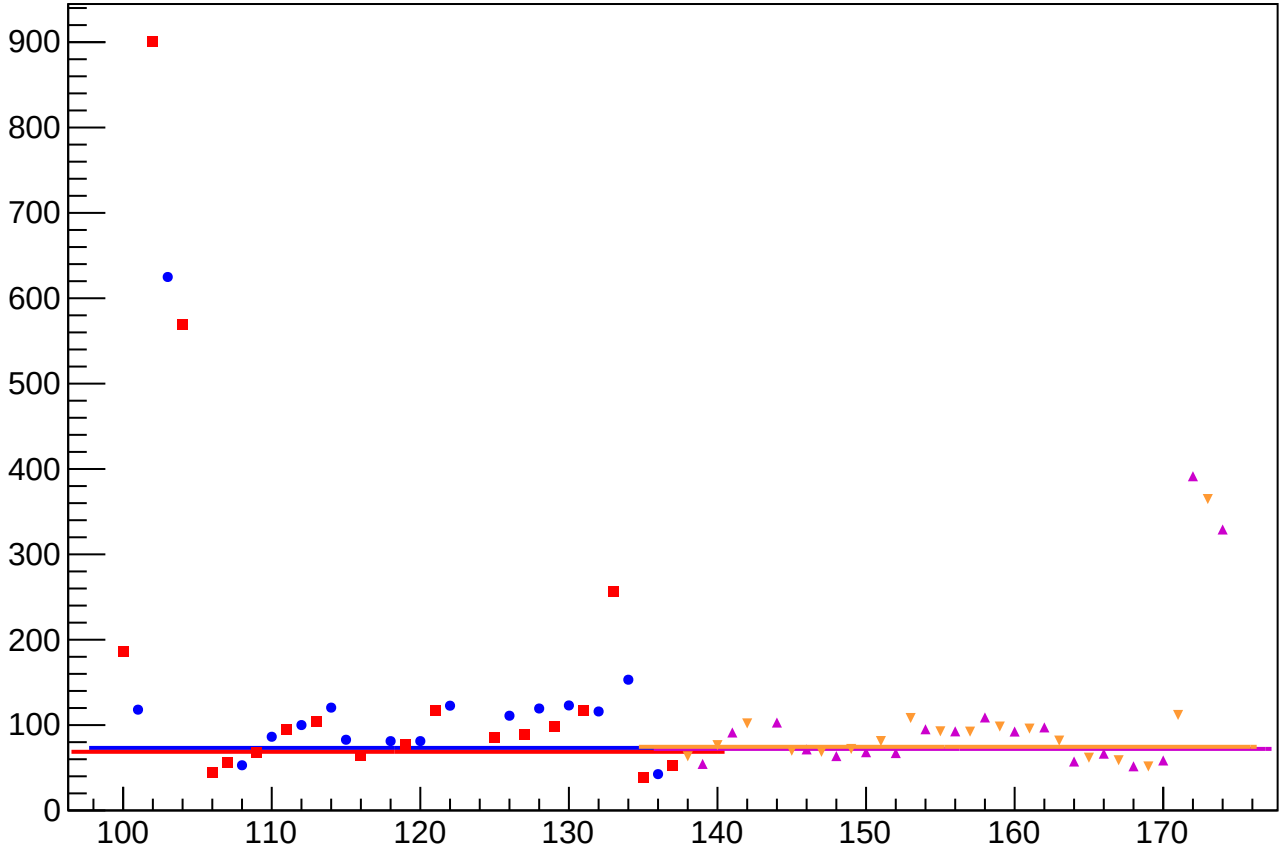
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/69

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 74.565+/-0.016 χ^2/NDF:2060817.8/17

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

Left: 73.278+/-0.011 χ^2/NDF: 5409173.8/35

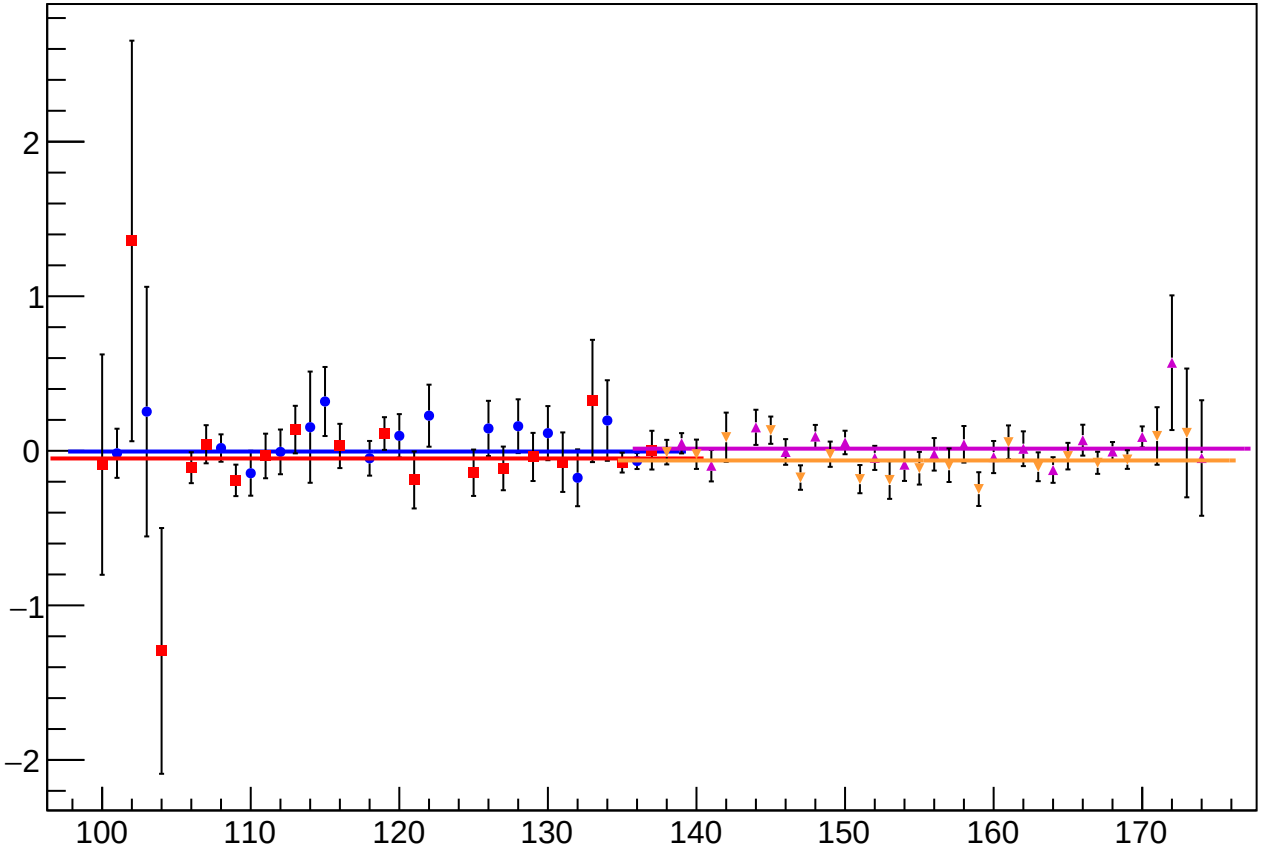
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.454+/-0.013 χ^2/NDF:6189590.6/33

Out: 72.638+/-0.013 χ^2/NDF:5439406.0/35

All: 72.544+/-0.009 χ^2/NDF: 11629102.1/69

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.032 χ^2/NDF: 10.3/15

Left Out: -0.062+/-0.022 χ^2/NDF:17.1/17

Right Out: -0.050+/-0.032 χ^2/NDF: 13.0/17

Left In: 0.014+/-0.021 χ^2/NDF:12.4/17

Left: -0.022+/-0.015 χ^2/NDF: 35.7/35

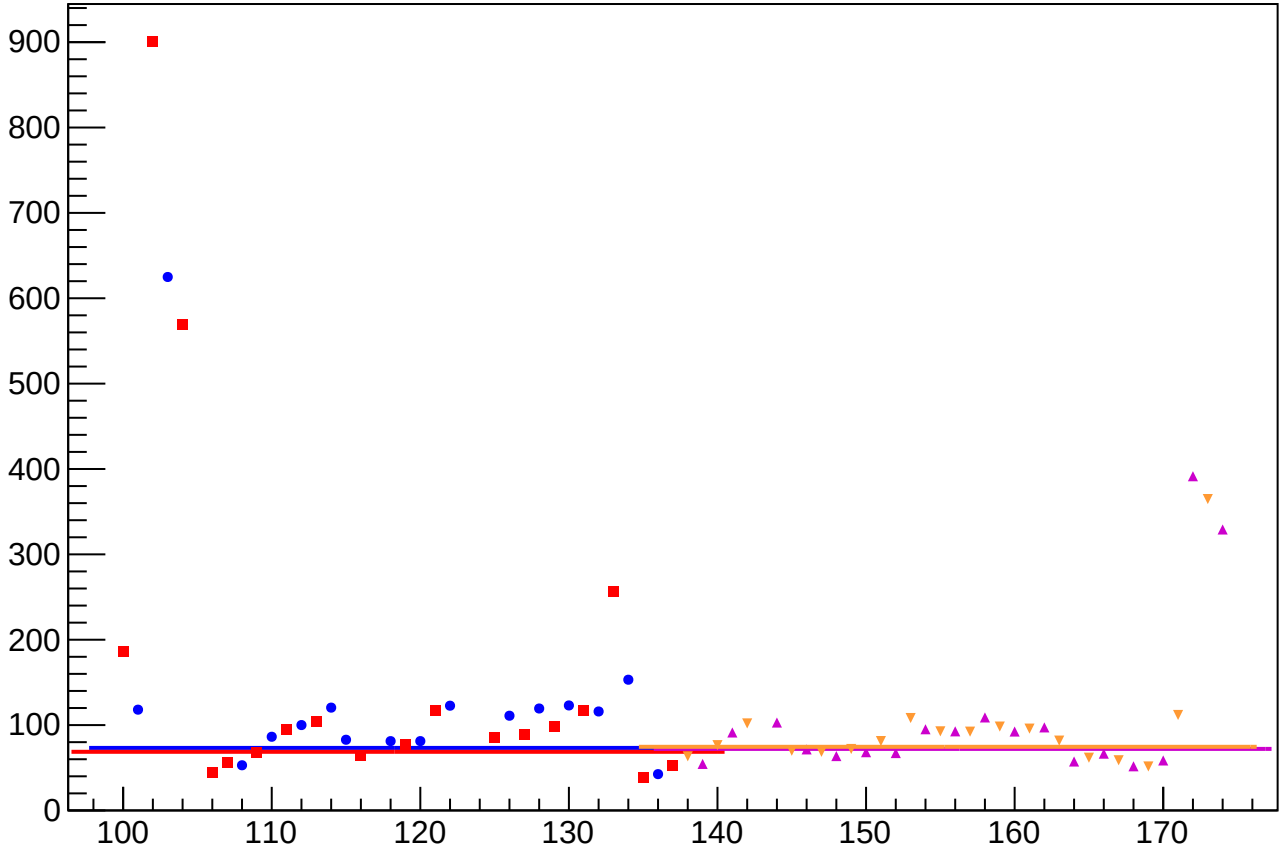
Right: -0.027+/-0.023 χ^2/NDF: 24.3/33

In: 0.008+/-0.018 χ^2/NDF:23.0/33

Out: -0.058+/-0.018 χ^2/NDF:30.2/35

All: -0.024+/-0.013 χ^2/NDF: 60.1/69

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.260+/-0.023 χ^2/NDF: 2852306.8/15

Left Out: 74.565+/-0.016 χ^2/NDF:2060817.8/17

Right Out: 68.713+/-0.022 χ^2/NDF: 3332744.7/17

Left In: 72.106+/-0.015 χ^2/NDF:3335495.1/17

Left: 73.278+/-0.011 χ^2/NDF: 5409173.8/35

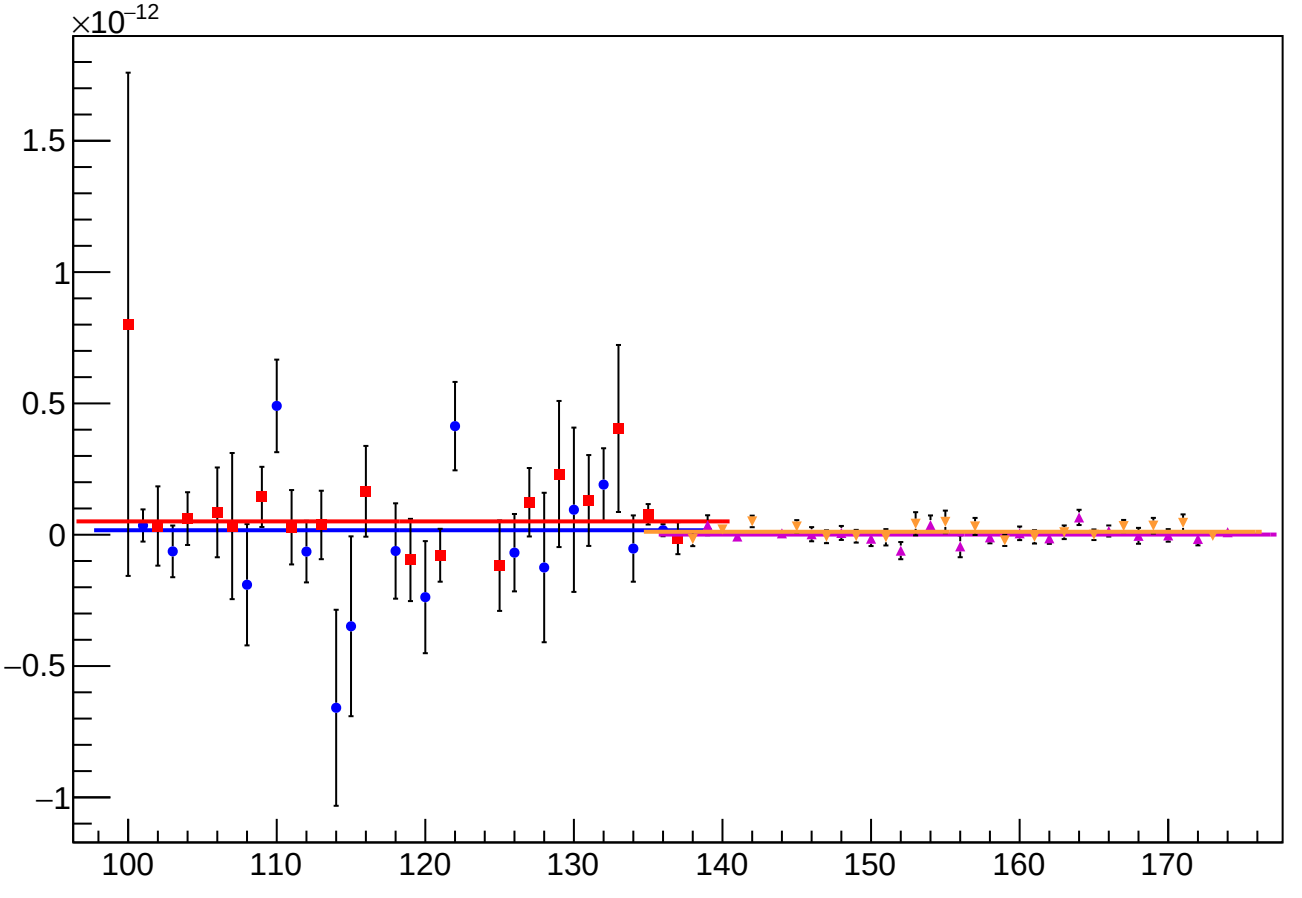
Right: 70.945+/-0.016 χ^2/NDF: 6205307.5/33

In: 72.454+/-0.013 χ^2/NDF:6189590.6/33

Out: 72.638+/-0.013 χ^2/NDF:5439406.0/35

All: 72.544+/-0.009 χ^2/NDF: 11629102.1/69

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 9.1/17

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

Left: 0.000+/-0.000 χ^2/NDF: 30.7/35

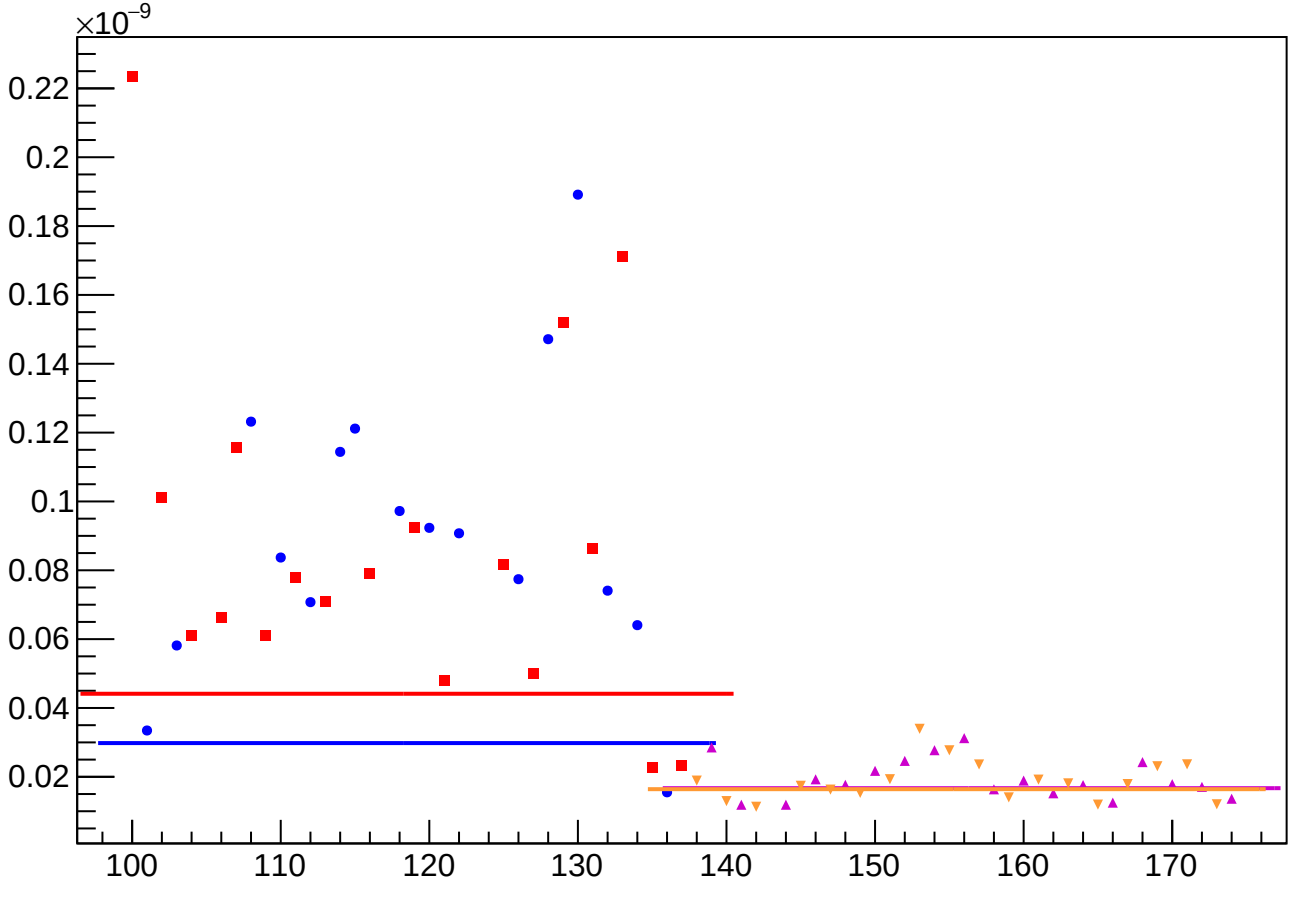
Right: 0.000+/-0.000 χ^2/NDF: 33.6/33

In: 0.000+/-0.000 χ^2/NDF:38.1/33

Out: 0.000+/-0.000 χ^2/NDF:26.4/35

All: 0.000+/-0.000 χ^2/NDF: 66.6/69

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4079776.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1261602.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2779318.5/17

Left In: 0.000+/-0.000 χ^2/NDF:1464229.4/17

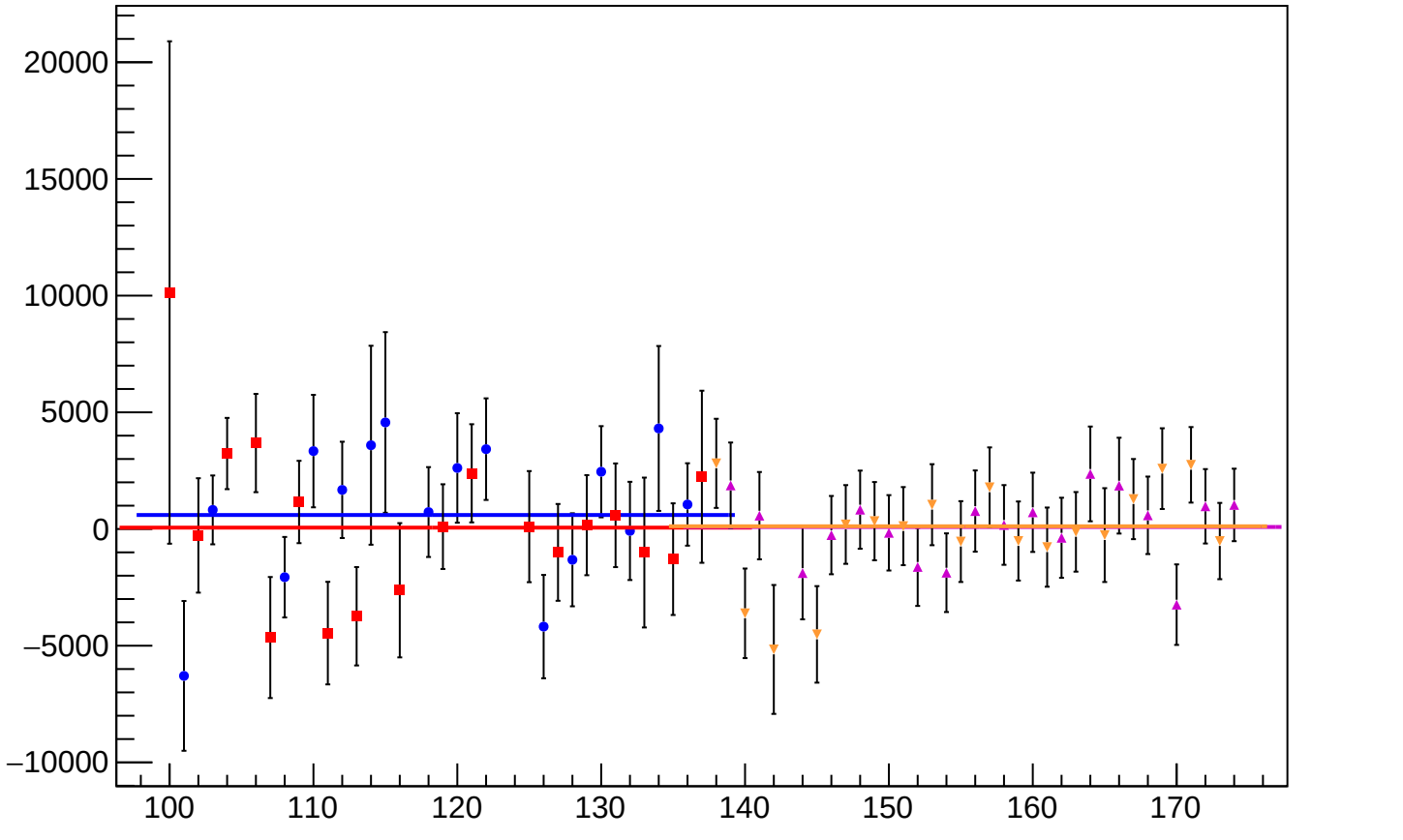
Left: 0.000+/-0.000 χ^2/NDF: 2728376.1/35

Right: 0.000+/-0.000 χ^2/NDF: 7274202.8/33

In: 0.000+/-0.000 χ^2/NDF:6388413.7/33

Out: 0.000+/-0.000 χ^2/NDF:6409361.8/35

All: 0.000+/-0.000 χ^2/NDF: 12798204.6/69



Right In: 600.146+/-540.053 χ^2/NDF: 20.3/15

Left Out: 117.310+/-418.900 χ^2/NDF:21.6/17

Right Out: 59.091+/-530.206 χ^2/NDF: 22.5/17

Left In: 86.958+/-408.681 χ^2/NDF:11.5/17

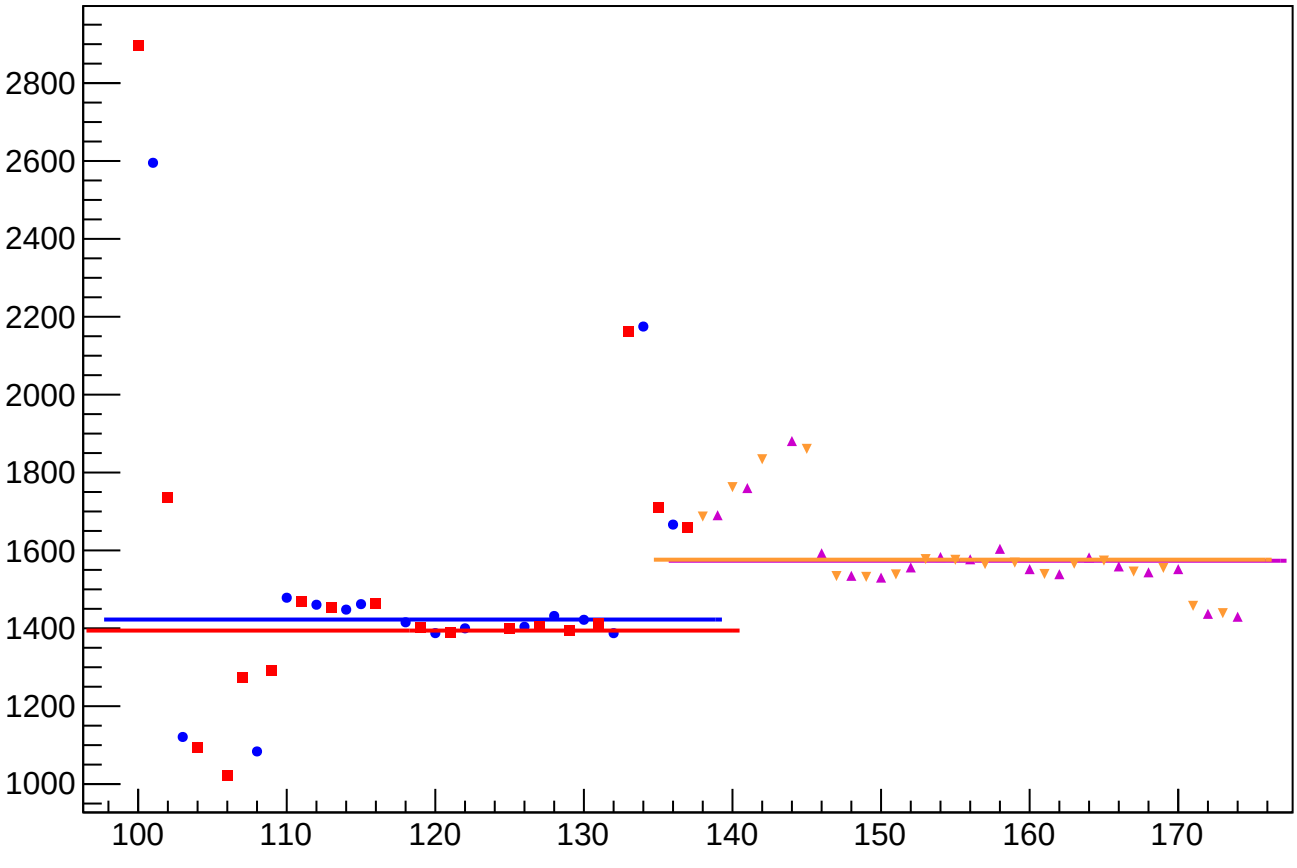
Left: 101.759+/-292.527 χ^2/NDF: 33.1/35

Right: 324.641+/-378.346 χ^2/NDF: 43.4/33

In: 273.827+/-325.887 χ^2/NDF:32.4/33

Out: 94.935+/-328.692 χ^2/NDF:44.2/35

All: 185.148+/-231.422 χ^2/NDF: 76.7/69



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.3/15

Left Out: 1576.205+/-0.296 χ^2/NDF:111454.2/17

Right Out: 1394.171+/-0.375 χ^2/NDF: 393666.0/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

Left: 1574.803+/-0.207 χ^2/NDF: 225253.0/35

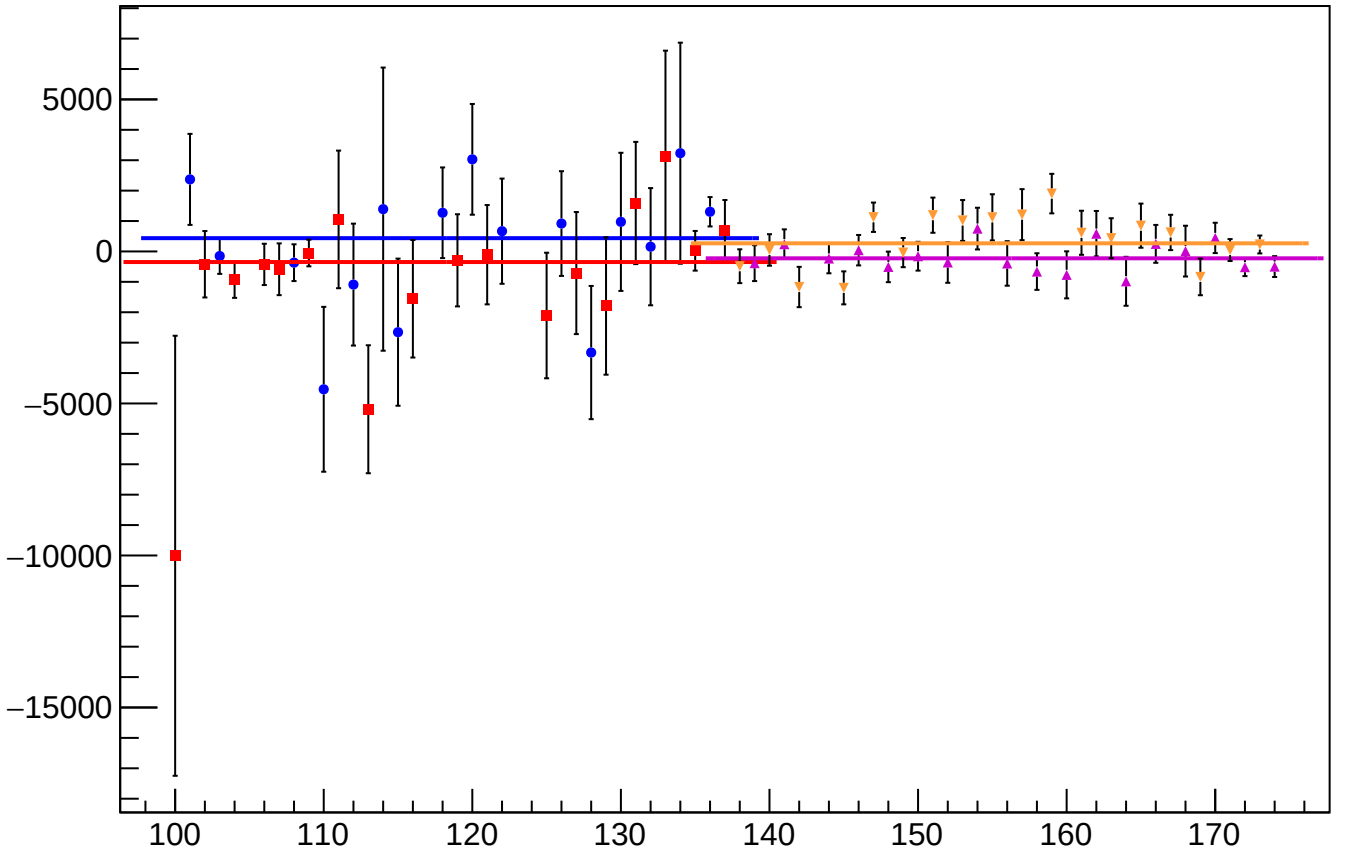
Right: 1408.082+/-0.268 χ^2/NDF: 956730.5/33

In: 1518.501+/-0.230 χ^2/NDF:773373.8/33

Out: 1506.246+/-0.232 χ^2/NDF:650267.3/35

All: 1512.426+/-0.164 χ^2/NDF: 1425043.0/69

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 436.509+/-275.917 χ^2/NDF: 19.3/15

Left Out: 267.251+/-125.942 χ^2/NDF:35.3/17

Right Out: -348.567+/-233.745 χ^2/NDF: 13.9/17

Left In: -226.367+/-123.385 χ^2/NDF:10.9/17

Left: 15.380+/-88.137 χ^2/NDF: 54.0/35

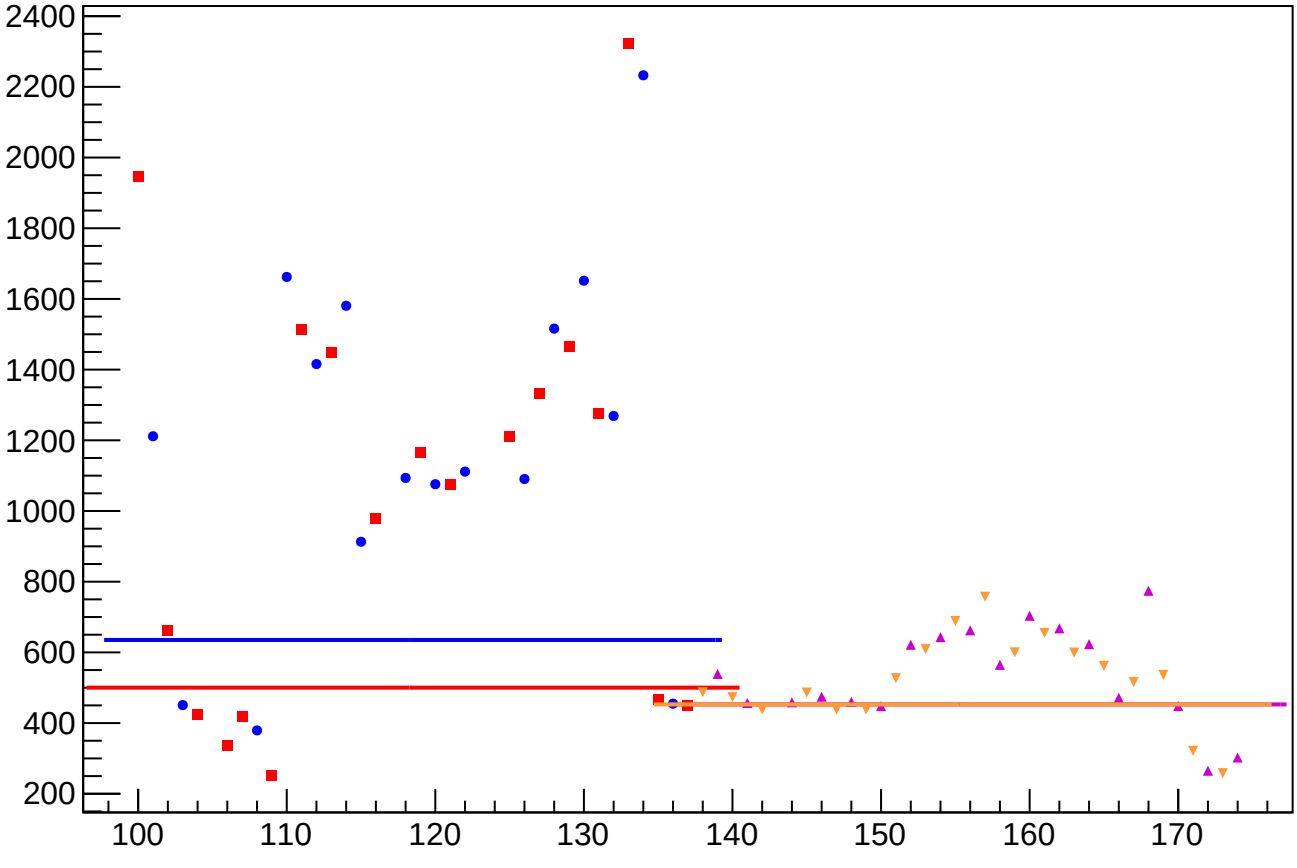
Right: -20.548+/-178.349 χ^2/NDF: 38.0/33

In: -115.900+/-112.636 χ^2/NDF:35.0/33

Out: 128.697+/-110.873 χ^2/NDF:54.6/35

All: 8.328+/-79.015 χ^2/NDF: 92.0/69

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 635.135+/-0.195 χ^2/NDF: 3752583.4/15

Left Out: 452.777+/-0.089 χ^2/NDF:2223434.0/17

Right Out: 500.231+/-0.165 χ^2/NDF: 4309093.1/17

Left In: 452.798+/-0.087 χ^2/NDF:2516069.0/17

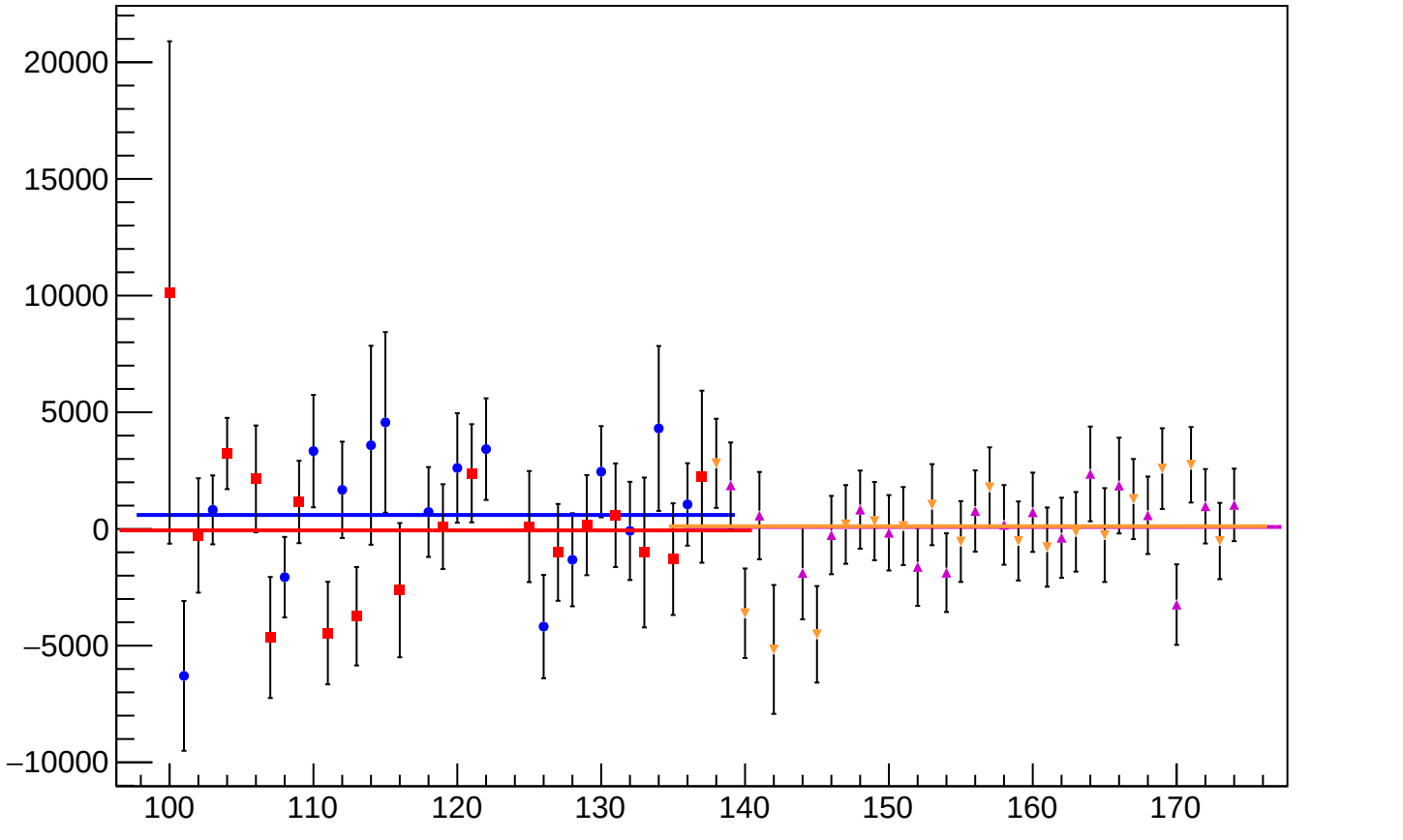
Left: 452.787+/-0.062 χ^2/NDF: 4739503.0/35

Right: 556.596+/-0.126 χ^2/NDF: 8340019.1/33

In: 483.184+/-0.080 χ^2/NDF:6996522.6/33

Out: 463.454+/-0.078 χ^2/NDF:6596414.0/35

All: 473.163+/-0.056 χ^2/NDF: 13624104.1/69



Right In: 600.020+/-540.053 χ^2/NDF: 20.3/15

Left Out: 117.216+/-418.900 χ^2/NDF:21.6/17

Right Out: -60.361+/-532.826 χ^2/NDF: 20.4/17

Left In: 86.911+/-408.681 χ^2/NDF:11.5/17

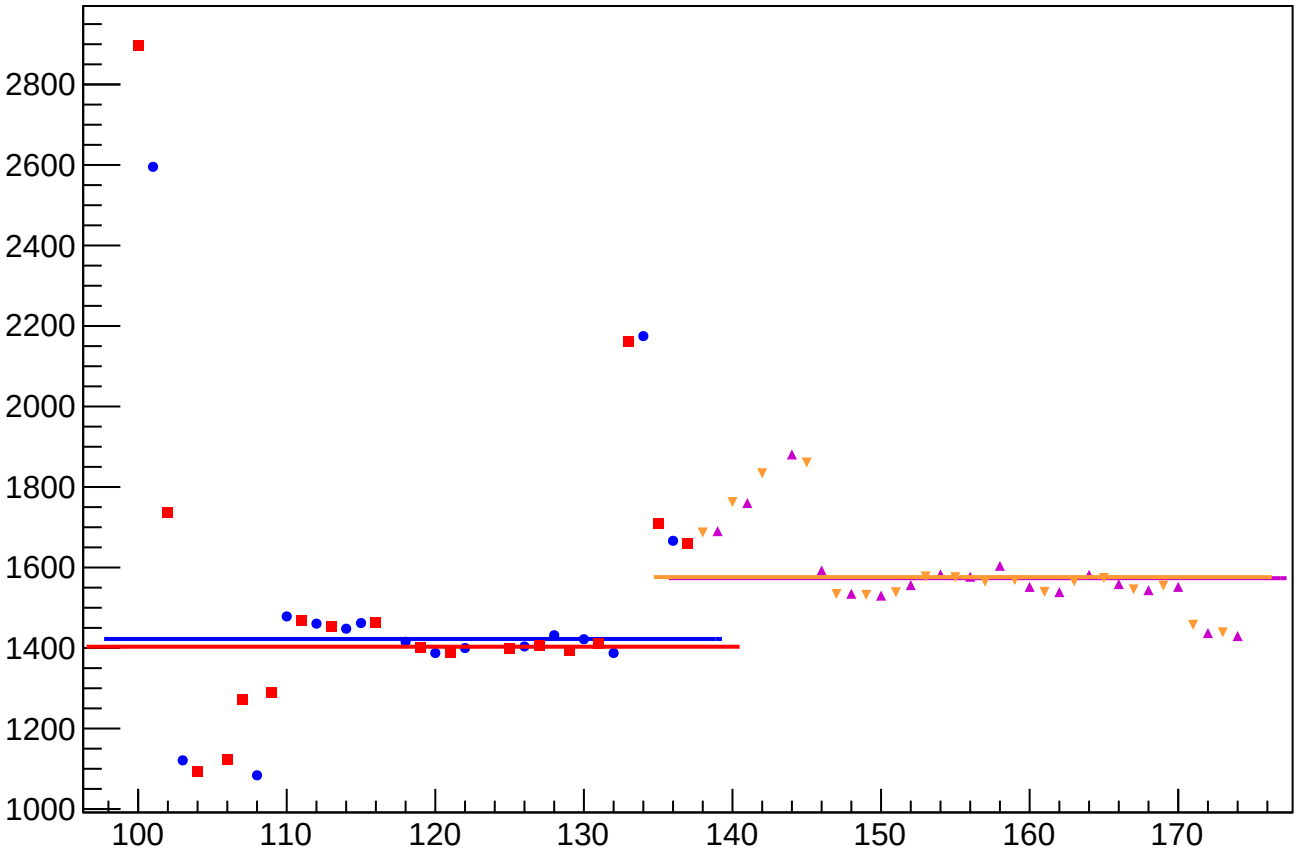
Left: 101.690+/-292.527 χ^2/NDF: 33.1/35

Right: 265.381+/-379.294 χ^2/NDF: 41.4/33

In: 273.751+/-325.887 χ^2/NDF:32.4/33

Out: 49.384+/-329.314 χ^2/NDF:42.0/35

All: 162.741+/-231.639 χ^2/NDF: 74.7/69



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1576.205+/-0.296 χ^2/NDF:111454.2/17

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

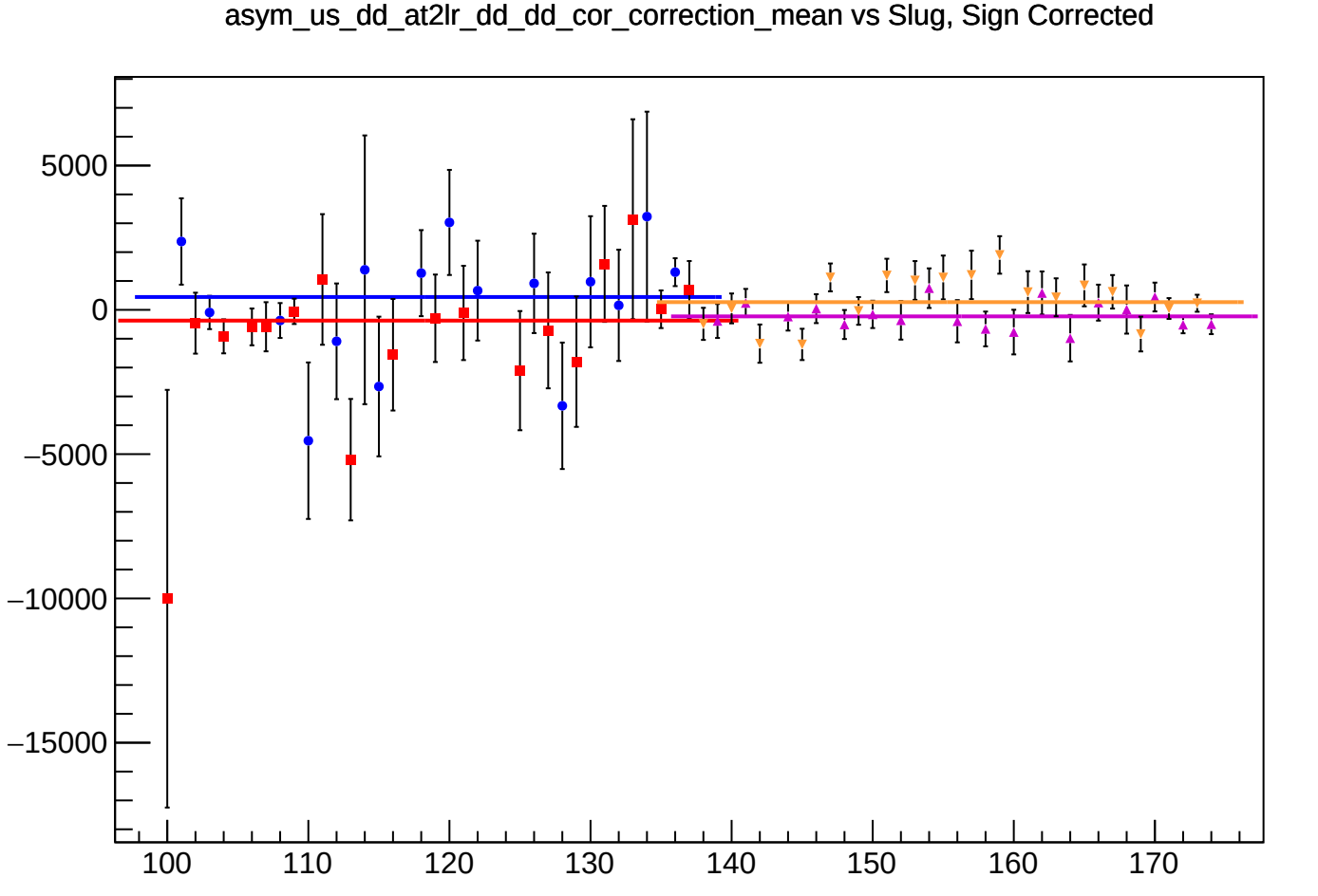
Left: 1574.803+/-0.207 χ^2/NDF: 225253.0/35

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

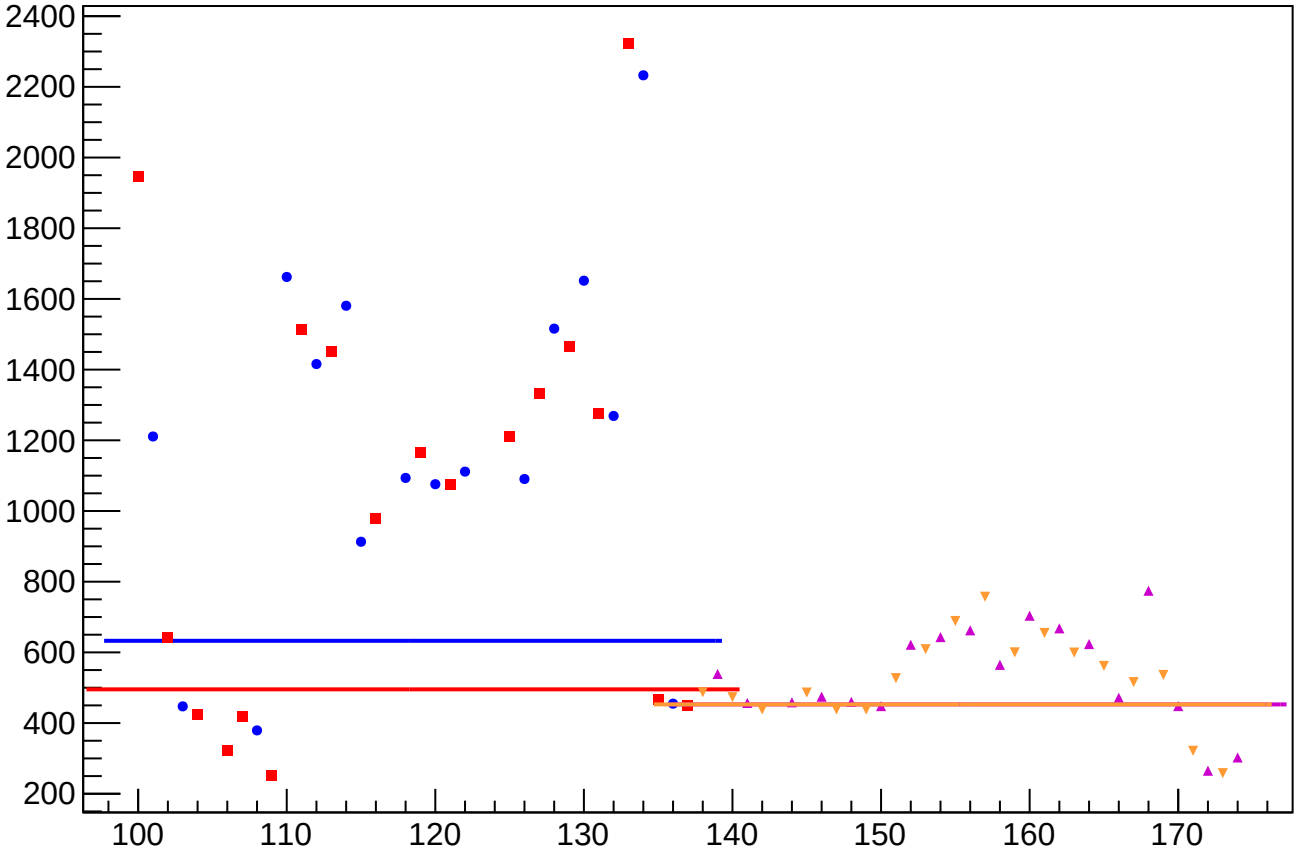
In: 1518.501+/-0.230 χ^2/NDF:773374.2/33

Out: 1510.127+/-0.233 χ^2/NDF:600848.1/35

All: 1514.358+/-0.164 χ^2/NDF: 1374875.6/69


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 445.121+/-274.737 χ²/NDF: 19.2/15
Left Out: 267.260+/-125.943 χ²/NDF:35.3/17
Right Out: -372.538+/-231.353 χ²/NDF: 14.0/17
Left In: -226.518+/-123.386 χ²/NDF:10.9/17
Left: 15.309+/-88.137 χ²/NDF: 54.0/35
Right: -33.290+/-176.966 χ²/NDF: 38.4/33
In: -113.788+/-112.556 χ²/NDF:35.0/33
Out: 121.002+/-110.615 χ²/NDF:55.2/35
All: 5.650+/-78.894 χ²/NDF: 92.4/69

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 452.775+/-0.089 χ^2/NDF:2223685.6/17

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

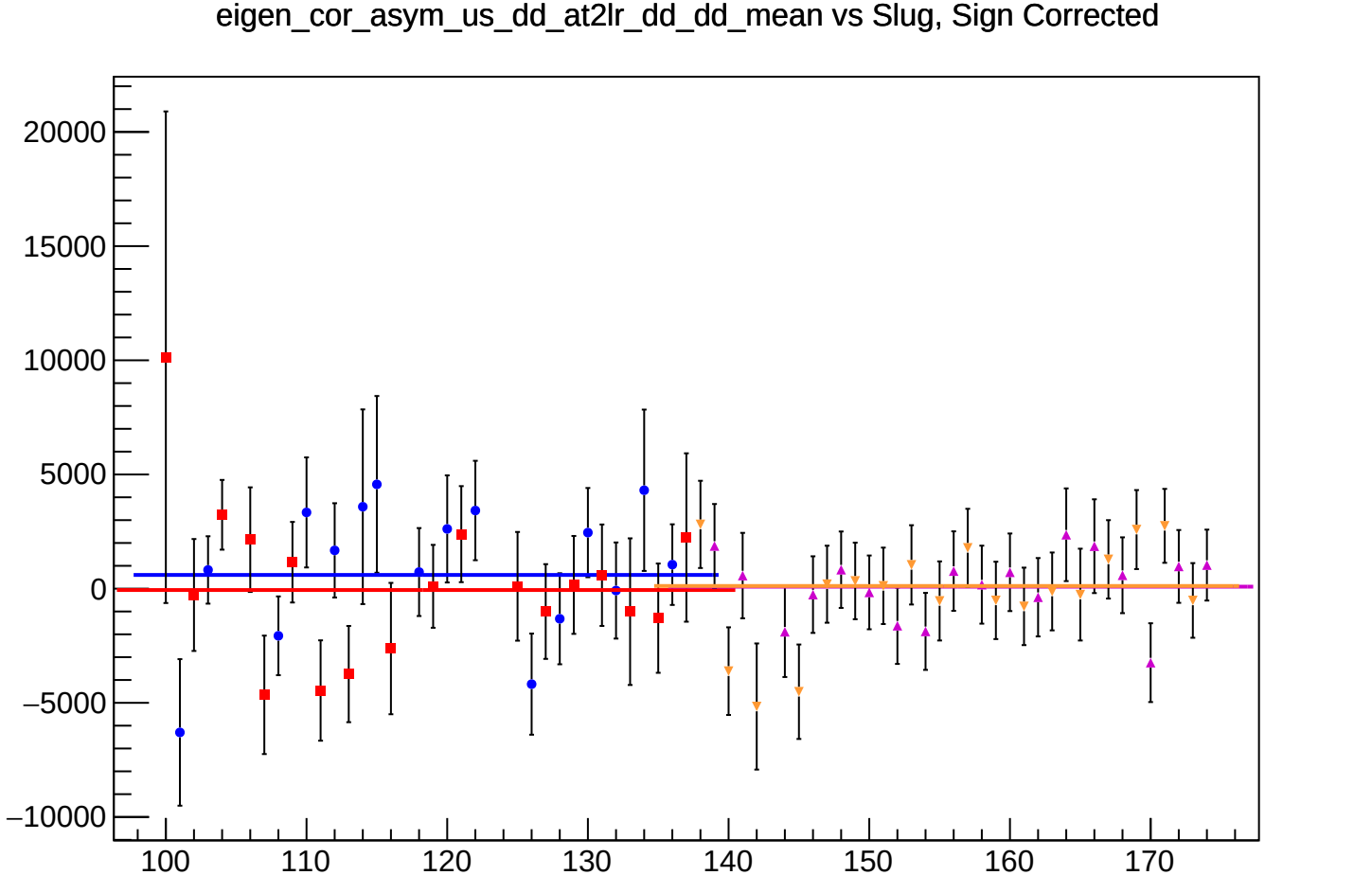
Left: 452.790+/-0.062 χ^2/NDF: 4739453.5/35

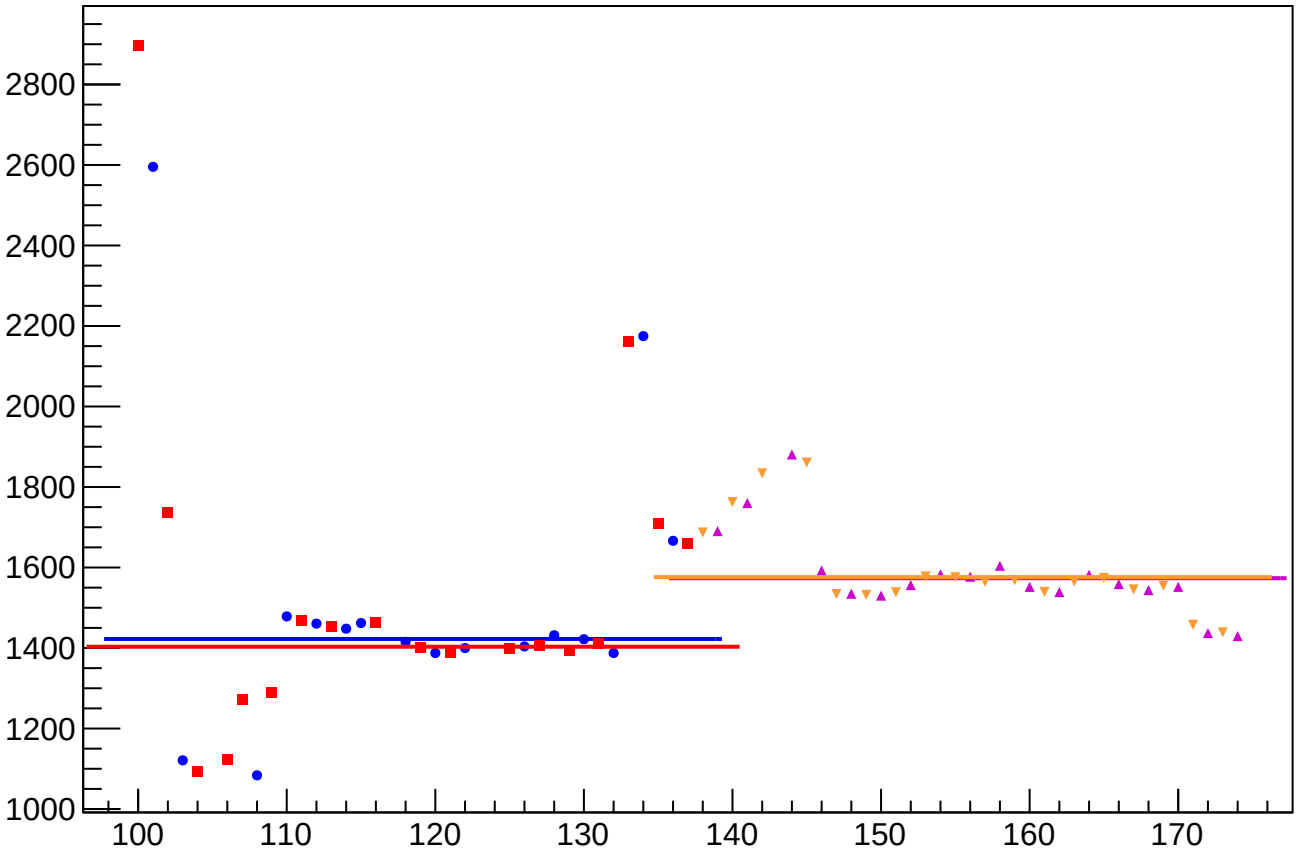
Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 483.007+/-0.080 χ^2/NDF:6997497.6/33

Out: 462.515+/-0.078 χ^2/NDF:6613491.4/35

All: 472.583+/-0.056 χ^2/NDF: 13644714.1/69


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 600.020+/-540.053 χ²/NDF: 20.3/15
Left Out: 117.216+/-418.900 χ²/NDF:21.6/17
Right Out: -60.361+/-532.826 χ²/NDF: 20.4/17
Left In: 86.911+/-408.681 χ²/NDF:11.5/17
Left: 101.690+/-292.527 χ²/NDF: 33.1/35
Right: 265.381+/-379.294 χ²/NDF: 41.4/33
In: 273.751+/-325.887 χ²/NDF:32.4/33
Out: 49.384+/-329.314 χ²/NDF:42.0/35
All: 162.741+/-231.639 χ²/NDF: 74.7/69



Right In: 1422.515+/-0.382 χ^2/NDF: 560259.5/15

Left Out: 1576.205+/-0.296 χ^2/NDF:111454.2/17

Right Out: 1403.220+/-0.377 χ^2/NDF: 359113.5/17

Left In: 1573.468+/-0.289 χ^2/NDF:113755.1/17

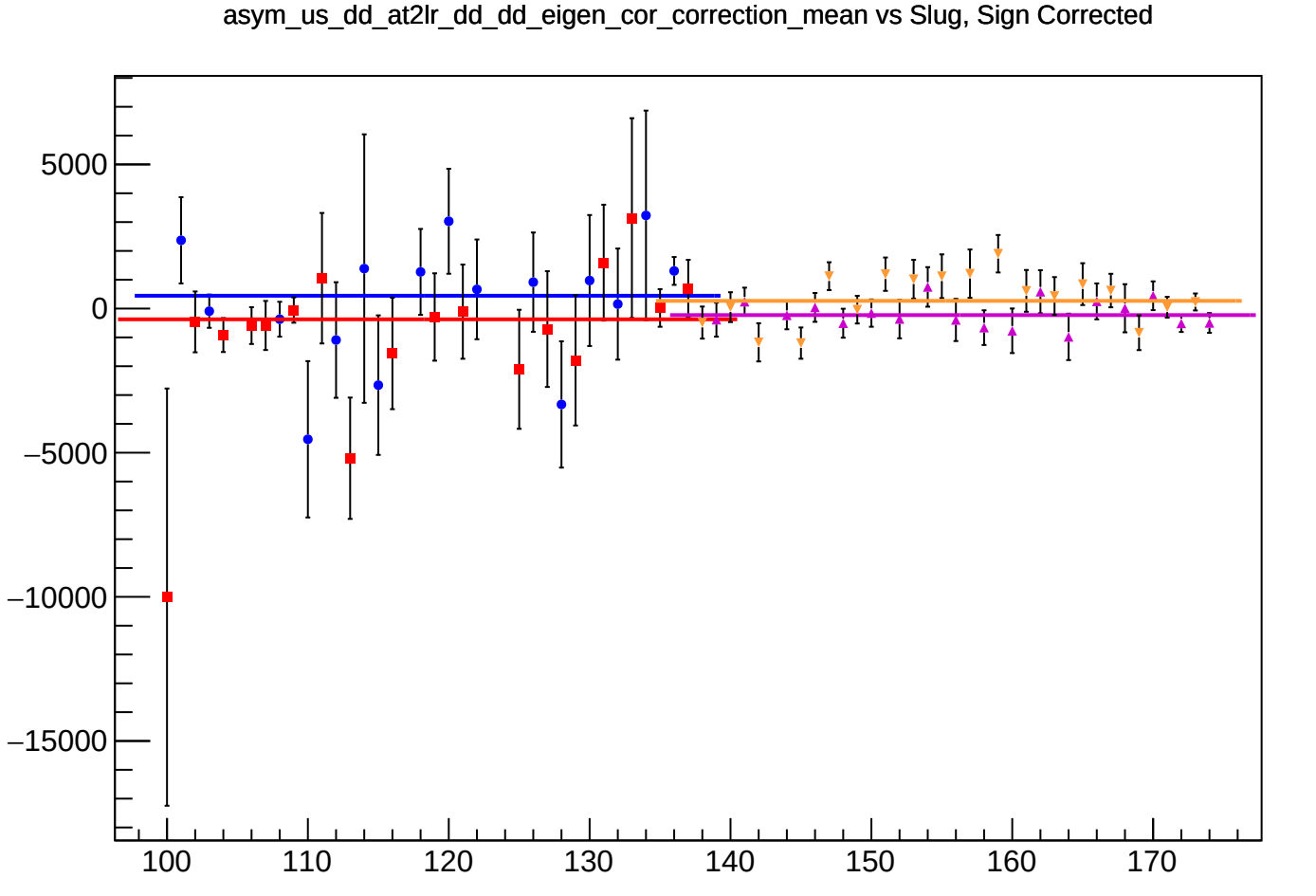
Left: 1574.803+/-0.207 χ^2/NDF: 225253.0/35

Right: 1412.737+/-0.268 χ^2/NDF: 920666.7/33

In: 1518.501+/-0.230 χ^2/NDF:773374.2/33

Out: 1510.127+/-0.233 χ^2/NDF:600848.1/35

All: 1514.358+/-0.164 χ^2/NDF: 1374875.6/69



Right In: 445.121+/-274.737 χ^2/NDF: 19.2/15

Left Out: 267.260+/-125.943 χ^2/NDF:35.3/17

Right Out: -372.538+/-231.353 χ^2/NDF: 14.0/17

Left In: -226.518+/-123.386 χ^2/NDF:10.9/17

Left: 15.309+/-88.137 χ^2/NDF: 54.0/35

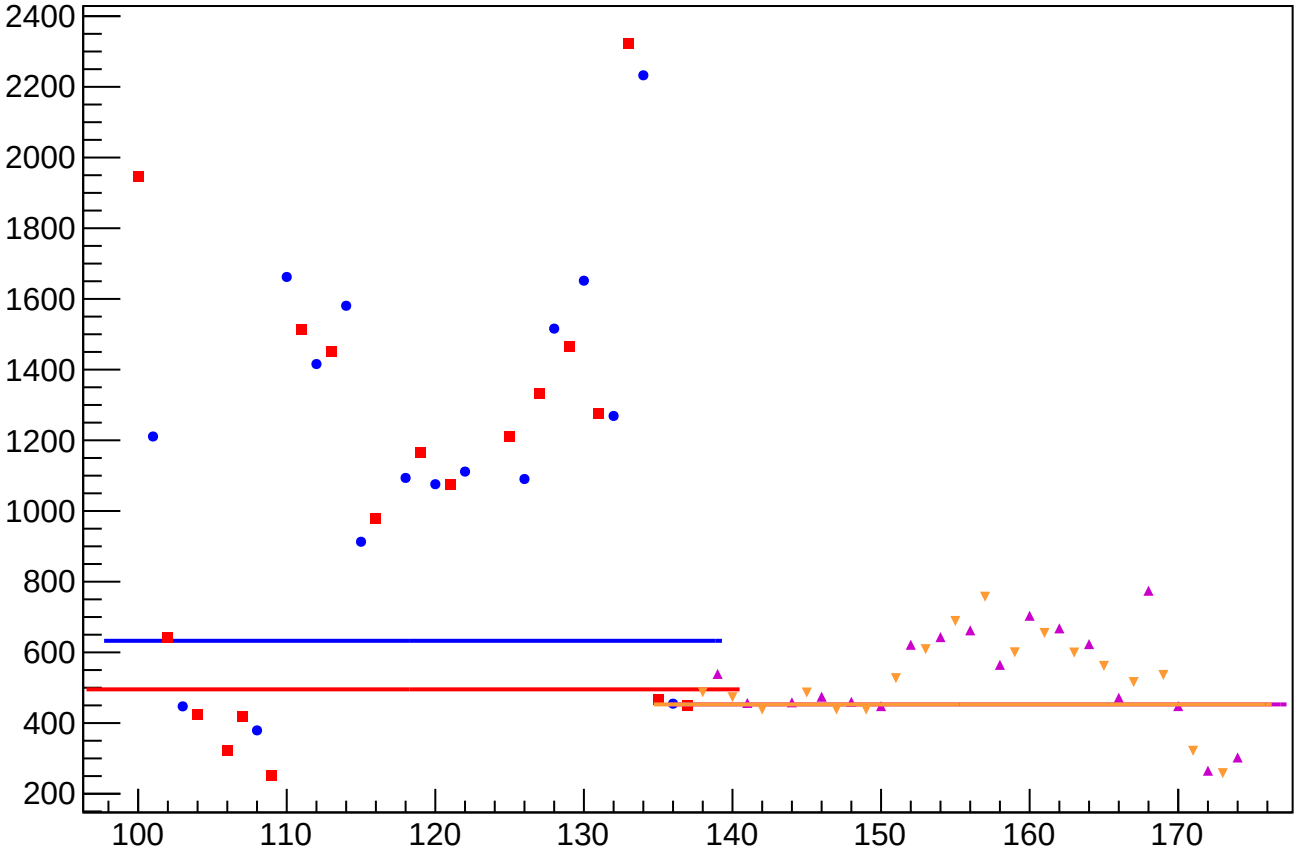
Right: -33.290+/-176.966 χ^2/NDF: 38.4/33

In: -113.788+/-112.556 χ^2/NDF:35.0/33

Out: 121.002+/-110.615 χ^2/NDF:55.2/35

All: 5.650+/-78.894 χ^2/NDF: 92.4/69

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 632.753+/-0.194 χ^2/NDF: 3767731.7/15

Left Out: 452.775+/-0.089 χ^2/NDF:2223685.6/17

Right Out: 495.380+/-0.164 χ^2/NDF: 4337484.8/17

Left In: 452.804+/-0.087 χ^2/NDF:2515767.8/17

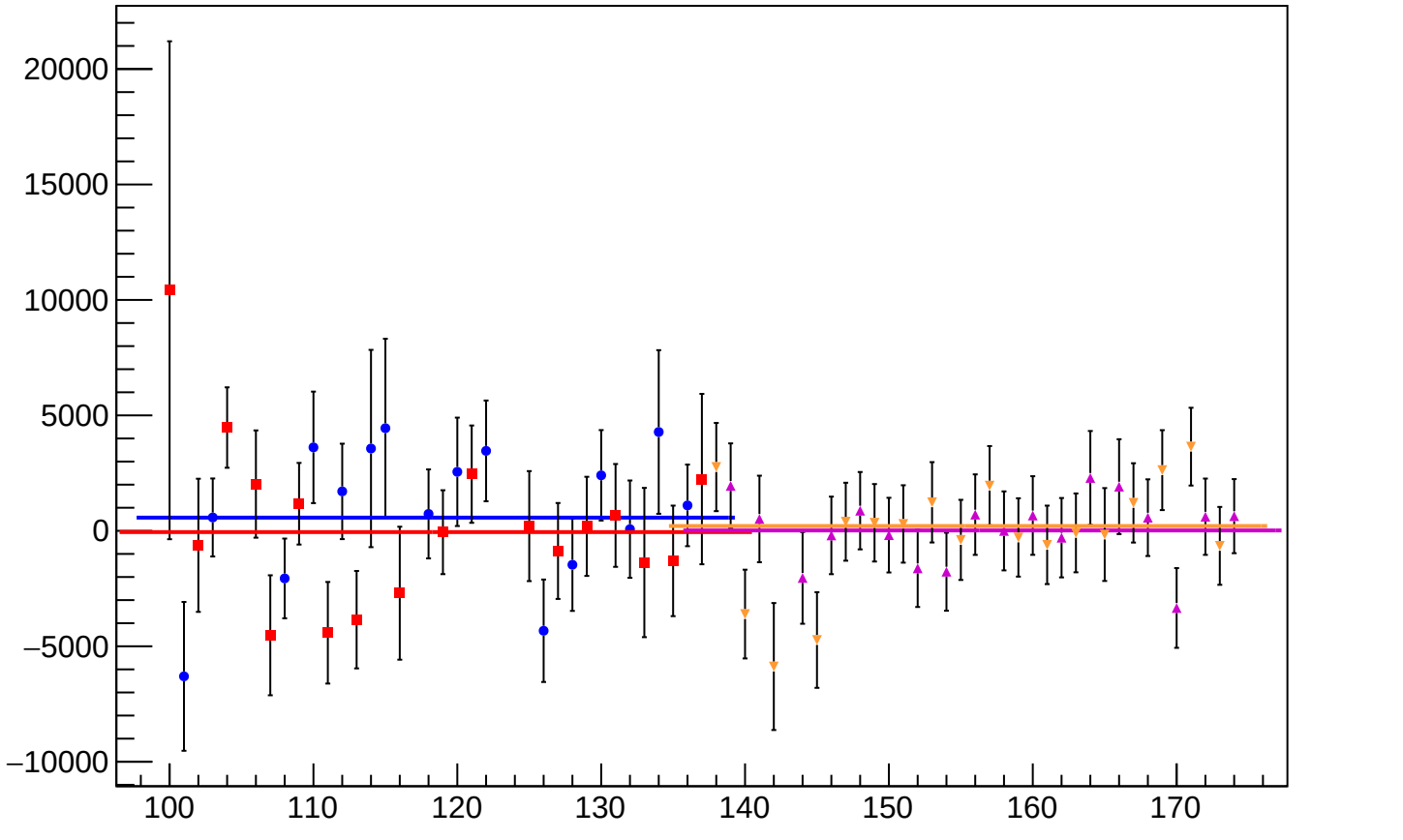
Left: 452.790+/-0.062 χ^2/NDF: 4739453.5/35

Right: 552.376+/-0.125 χ^2/NDF: 8397783.6/33

In: 483.007+/-0.080 χ^2/NDF:6997497.6/33

Out: 462.515+/-0.078 χ^2/NDF:6613491.4/35

All: 472.583+/-0.056 χ^2/NDF: 13644714.1/69



Right In: 572.289+/-549.638 χ^2/NDF: 20.8/15

Left Out: 209.013+/-421.231 χ^2/NDF:24.9/17

Right Out: -53.754+/-545.353 χ^2/NDF: 22.5/17

Left In: 16.662+/-410.982 χ^2/NDF:11.2/17

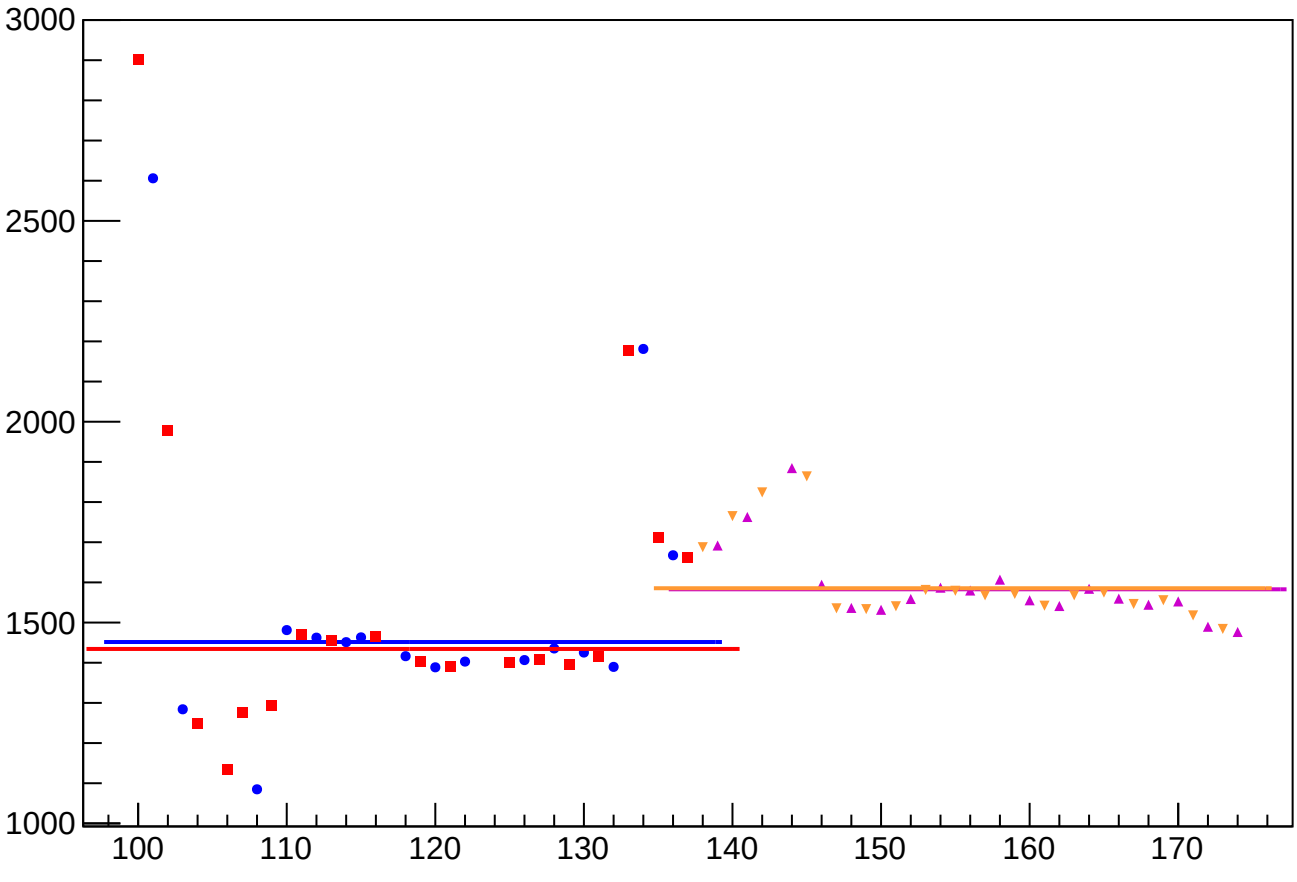
Left: 110.469+/-294.165 χ^2/NDF: 36.3/35

Right: 256.817+/-387.129 χ^2/NDF: 43.9/33

In: 215.913+/-329.144 χ^2/NDF:32.7/33

Out: 110.825+/-333.366 χ^2/NDF:47.6/35

All: 164.039+/-234.218 χ^2/NDF: 80.3/69



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.7/15

Left Out: 1585.449+/-0.298 χ^2/NDF:93523.7/17

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.0/17

Left: 1584.095+/-0.208 χ^2/NDF: 188398.0/35

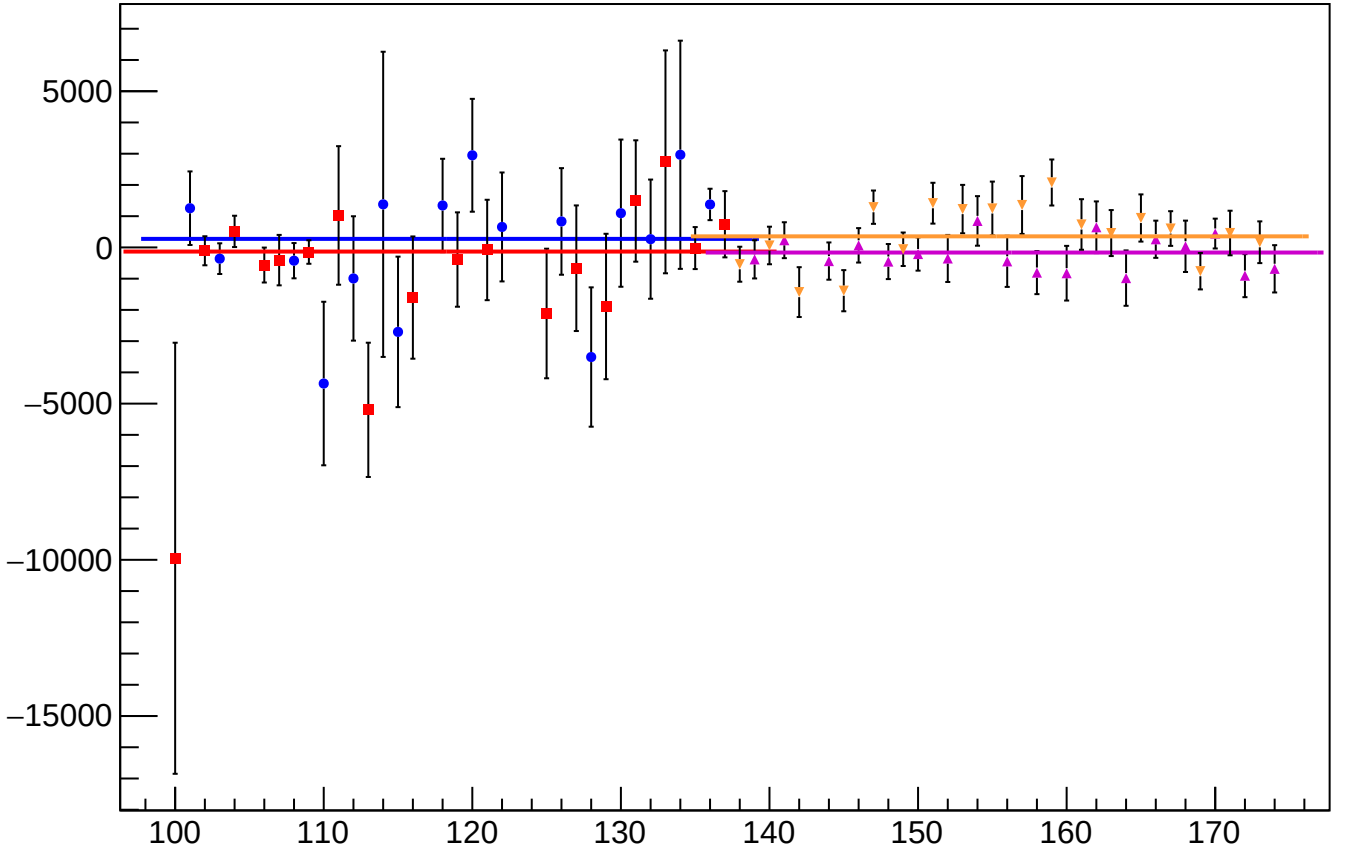
Right: 1442.883+/-0.274 χ^2/NDF: 817420.7/33

In: 1535.747+/-0.233 χ^2/NDF:655792.7/33

Out: 1528.977+/-0.236 χ^2/NDF:518312.1/35

All: 1532.405+/-0.166 χ^2/NDF: 1174522.6/69

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 273.439+/-260.537 χ^2/NDF: 20.2/15

Left Out: 354.405+/-156.735 χ^2/NDF:34.8/17

Right Out: -132.573+/-195.933 χ^2/NDF: 14.4/17

Left In: -163.968+/-154.215 χ^2/NDF:10.1/17

Left: 91.018+/-109.926 χ^2/NDF: 50.5/35

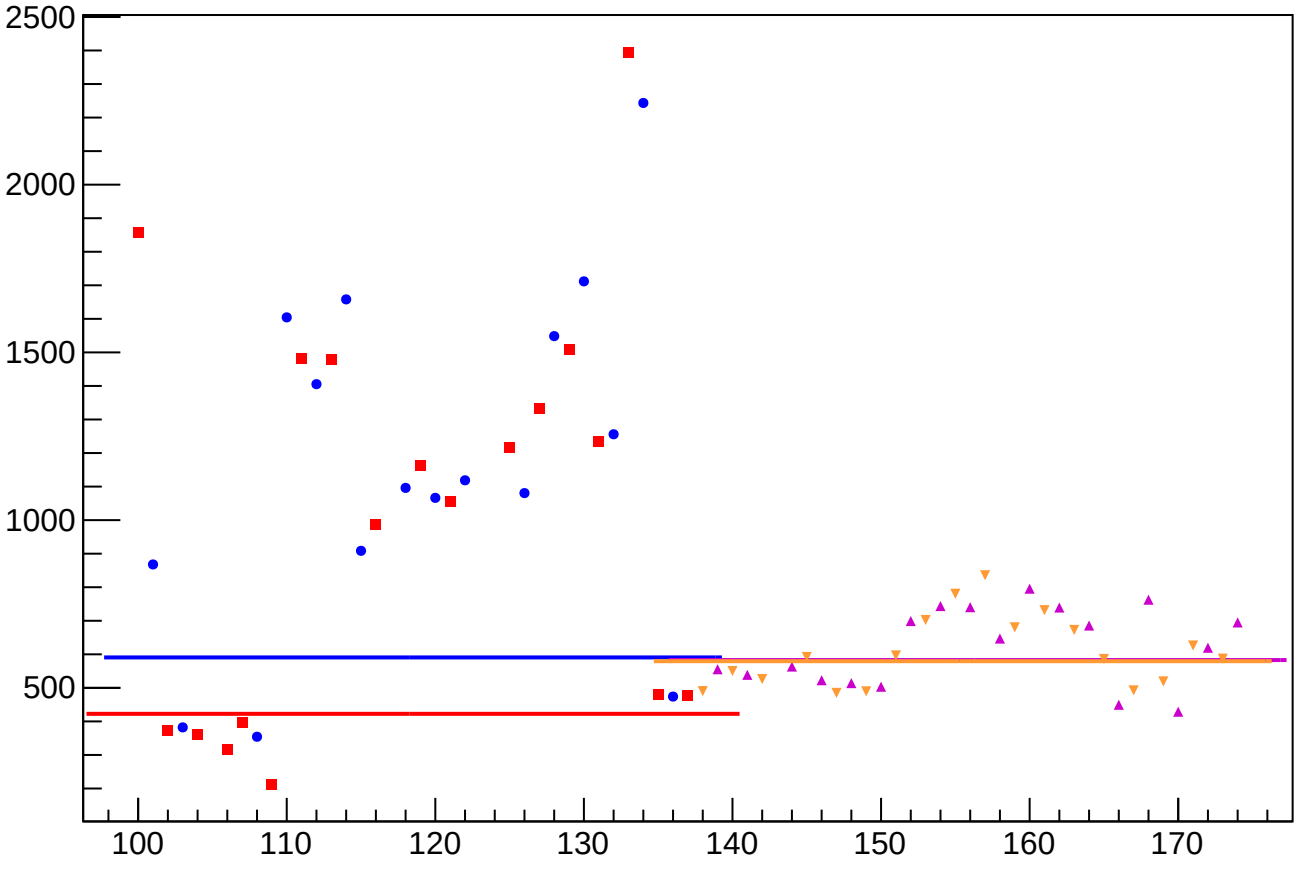
Right: 14.100+/-156.593 χ^2/NDF: 36.2/33

In: -50.480+/-132.709 χ^2/NDF:32.4/33

Out: 164.383+/-122.393 χ^2/NDF:53.0/35

All: 65.627+/-89.971 χ^2/NDF: 86.9/69

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 590.749+/-0.184 χ^2/NDF: 3885502.1/15

Left Out: 579.539+/-0.111 χ^2/NDF:718236.9/17

Right Out: 422.629+/-0.139 χ^2/NDF: 4858014.6/17

Left In: 582.889+/-0.109 χ^2/NDF:1008242.1/17

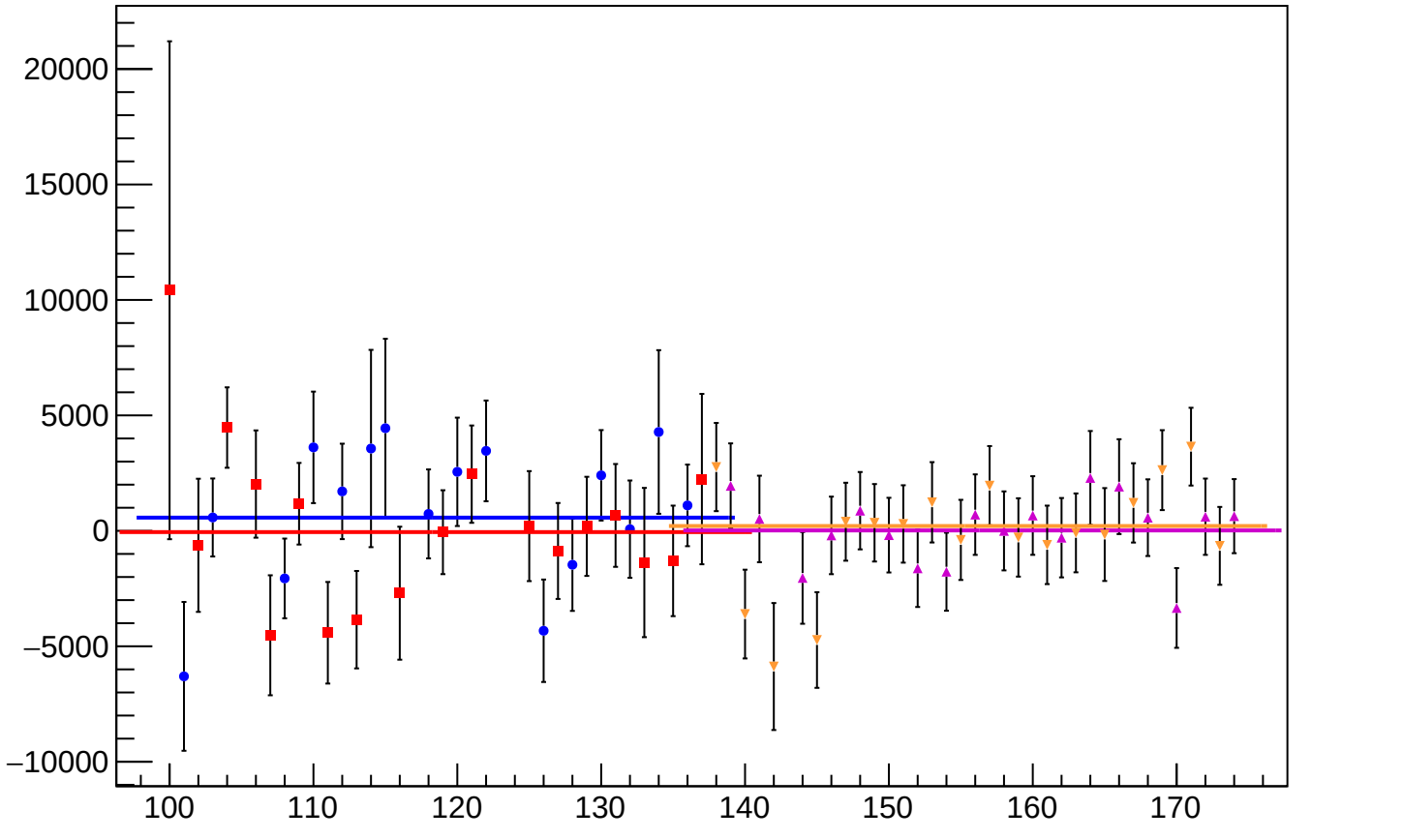
Left: 581.241+/-0.078 χ^2/NDF: 1726943.5/35

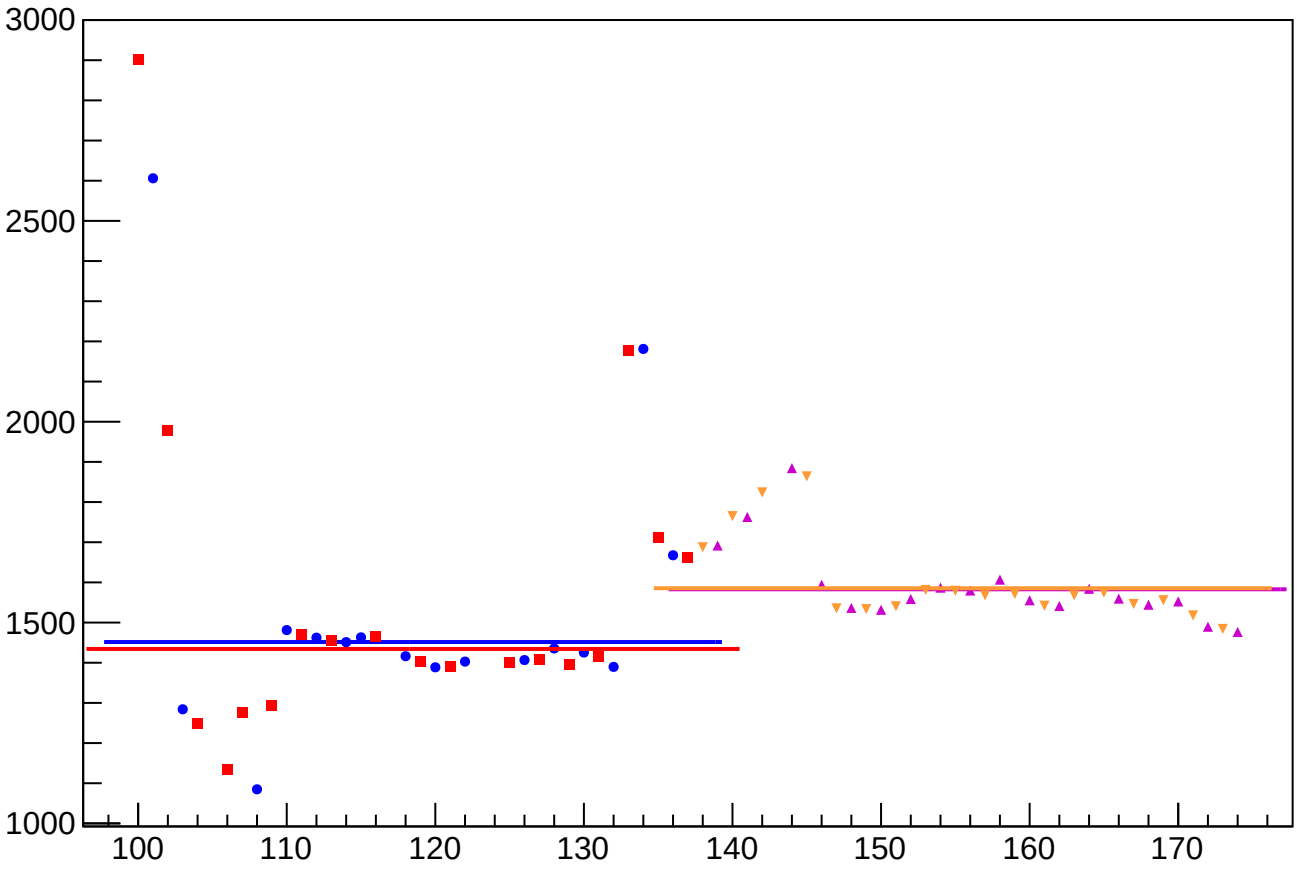
Right: 483.362+/-0.111 χ^2/NDF: 9275456.5/33

In: 584.929+/-0.094 χ^2/NDF:4895092.1/33

Out: 518.311+/-0.087 χ^2/NDF:6358411.8/35

All: 548.930+/-0.064 χ^2/NDF: 11525835.1/69


eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: 572.290+/-549.638 χ²/NDF: 20.8/15
Left Out: 209.008+/-421.231 χ²/NDF:24.9/17
Right Out: -53.752+/-545.353 χ²/NDF: 22.5/17
Left In: 16.664+/-410.982 χ²/NDF:11.2/17
Left: 110.468+/-294.165 χ²/NDF: 36.3/35
Right: 256.819+/-387.129 χ²/NDF: 43.9/33
In: 215.915+/-329.144 χ²/NDF:32.7/33
Out: 110.822+/-333.366 χ²/NDF:47.6/35
All: 164.038+/-234.218 χ²/NDF: 80.3/69



Right In: 1451.579+/-0.389 χ^2/NDF: 487836.2/15

Left Out: 1585.448+/-0.298 χ^2/NDF:93524.5/17

Right Out: 1434.321+/-0.386 χ^2/NDF: 328590.5/17

Left In: 1582.806+/-0.291 χ^2/NDF:94834.8/17

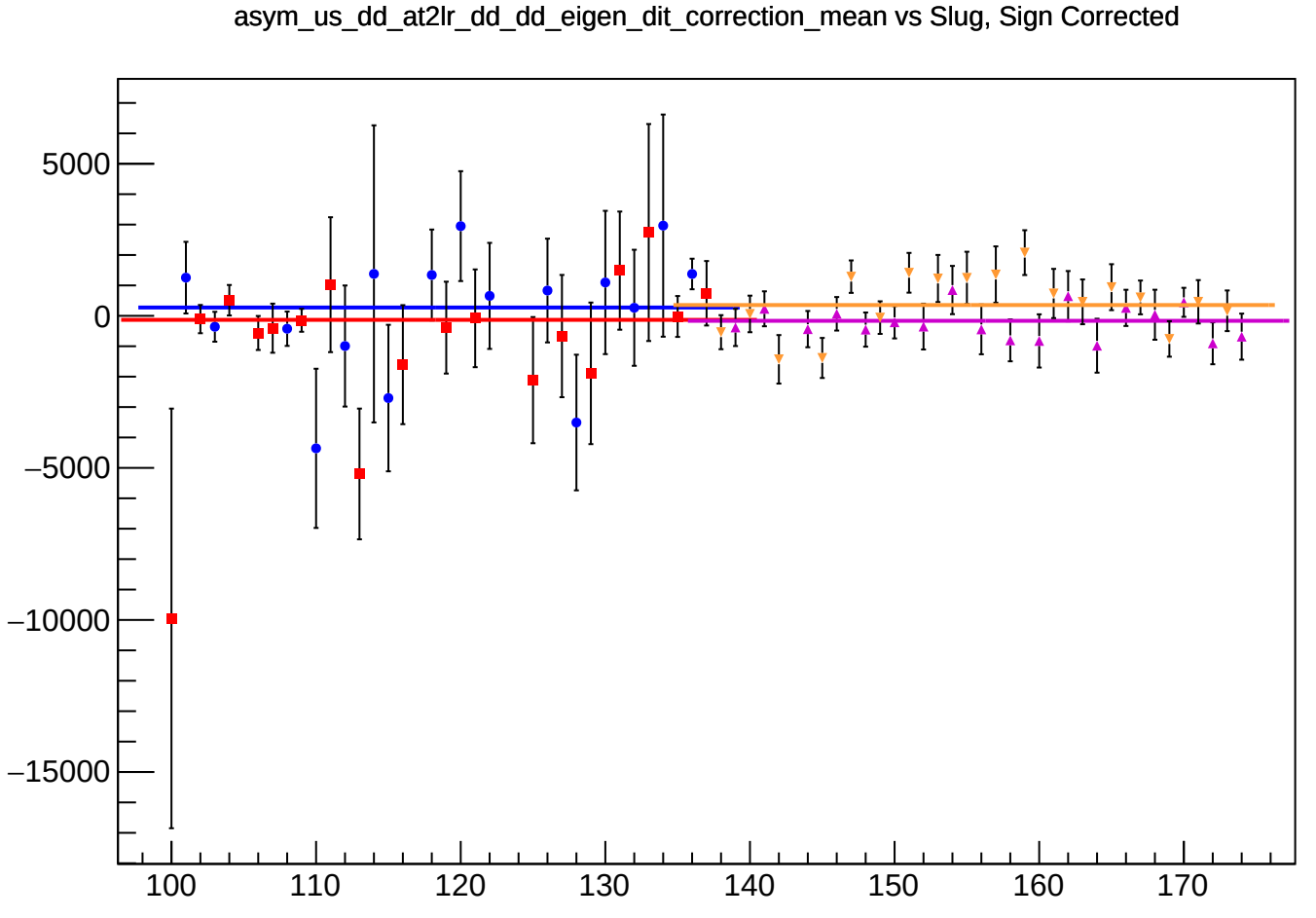
Left: 1584.094+/-0.208 χ^2/NDF: 188399.6/35

Right: 1442.883+/-0.274 χ^2/NDF: 817420.3/33

In: 1535.747+/-0.233 χ^2/NDF:655792.7/33

Out: 1528.976+/-0.236 χ^2/NDF:518312.7/35

All: 1532.405+/-0.166 χ^2/NDF: 1174523.1/69



Right In: 273.429+/-260.536 χ^2/NDF: 20.2/15

Left Out: 354.413+/-156.735 χ^2/NDF:34.8/17

Right Out: -132.567+/-195.935 χ^2/NDF: 14.4/17

Left In: -163.970+/-154.215 χ^2/NDF:10.1/17

Left: 91.021+/-109.927 χ^2/NDF: 50.5/35

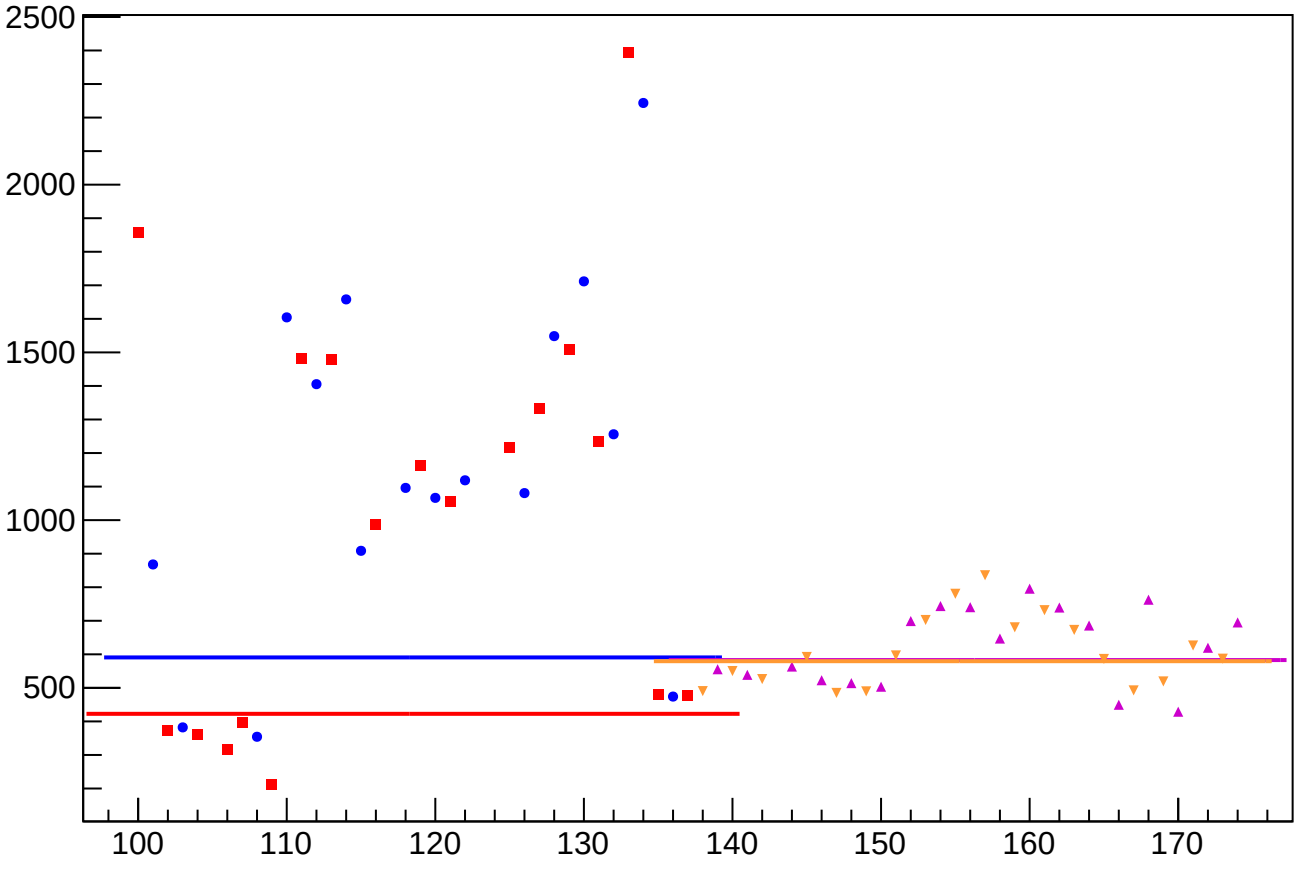
Right: 14.101+/-156.594 χ^2/NDF: 36.2/33

In: -50.483+/-132.709 χ^2/NDF:32.4/33

Out: 164.391+/-122.393 χ^2/NDF:53.0/35

All: 65.629+/-89.971 χ^2/NDF: 86.9/69

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: 579.540+/-0.111 χ^2/NDF:718220.1/17

Right Out: 422.634+/-0.139 χ^2/NDF: 4857932.7/17

Left In: 582.889+/-0.109 χ^2/NDF:1008246.5/17

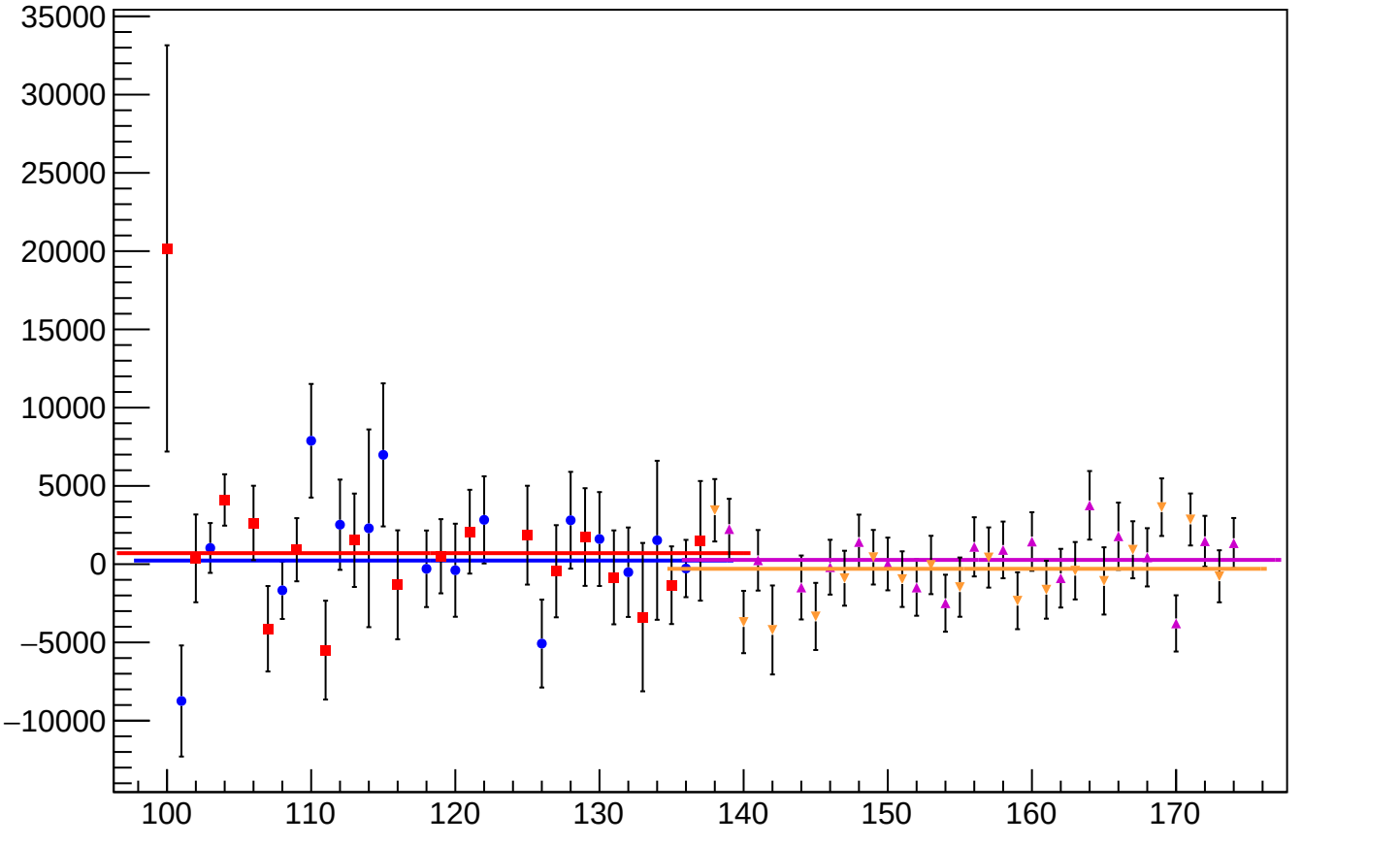
Left: 581.242+/-0.078 χ^2/NDF: 1726930.7/35

Right: 483.366+/-0.111 χ^2/NDF: 9275354.4/33

In: 584.928+/-0.094 χ^2/NDF:4895124.2/33

Out: 518.315+/-0.087 χ^2/NDF:6358263.8/35

All: 548.932+/-0.064 χ^2/NDF: 11525686.3/69



Right In: 230.761+/-666.241 χ^2/NDF: 20.7/15

Left Out: -297.179+/-443.564 χ^2/NDF:21.9/17

Right Out: 702.268+/-648.319 χ^2/NDF: 17.0/17

Left In: 271.284+/-433.036 χ^2/NDF:15.8/17

Left: -6.121+/-309.858 χ^2/NDF: 38.6/35

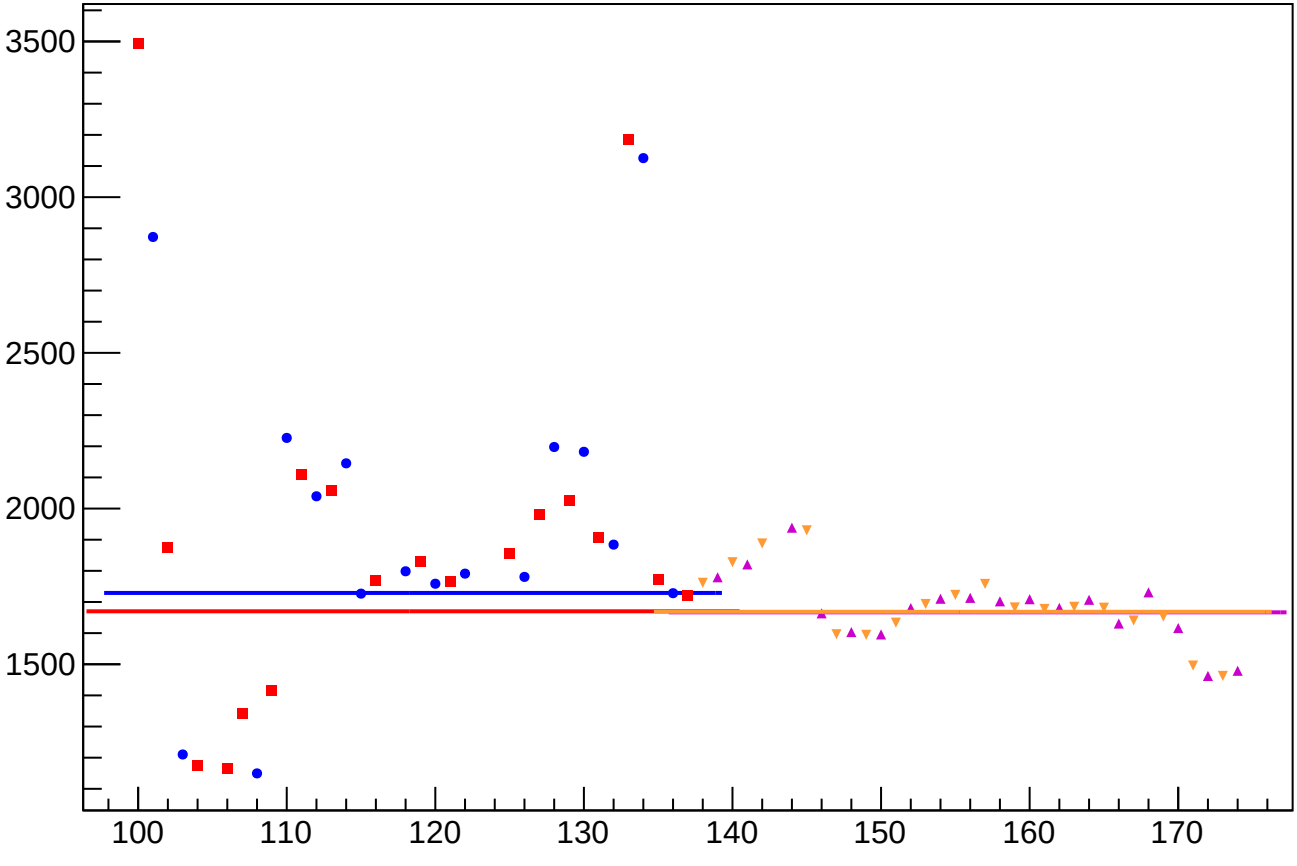
Right: 472.942+/-464.638 χ^2/NDF: 38.0/33

In: 259.249+/-363.082 χ^2/NDF:36.5/33

Out: 21.491+/-366.083 χ^2/NDF:40.6/35

All: 141.348+/-257.792 χ^2/NDF: 77.3/69

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1729.050+/-0.471 χ^2/NDF: 942079.1/15

Left Out: 1668.509+/-0.314 χ^2/NDF:126200.1/17

Right Out: 1670.056+/-0.458 χ^2/NDF: 744452.0/17

Left In: 1666.752+/-0.306 χ^2/NDF:129602.6/17

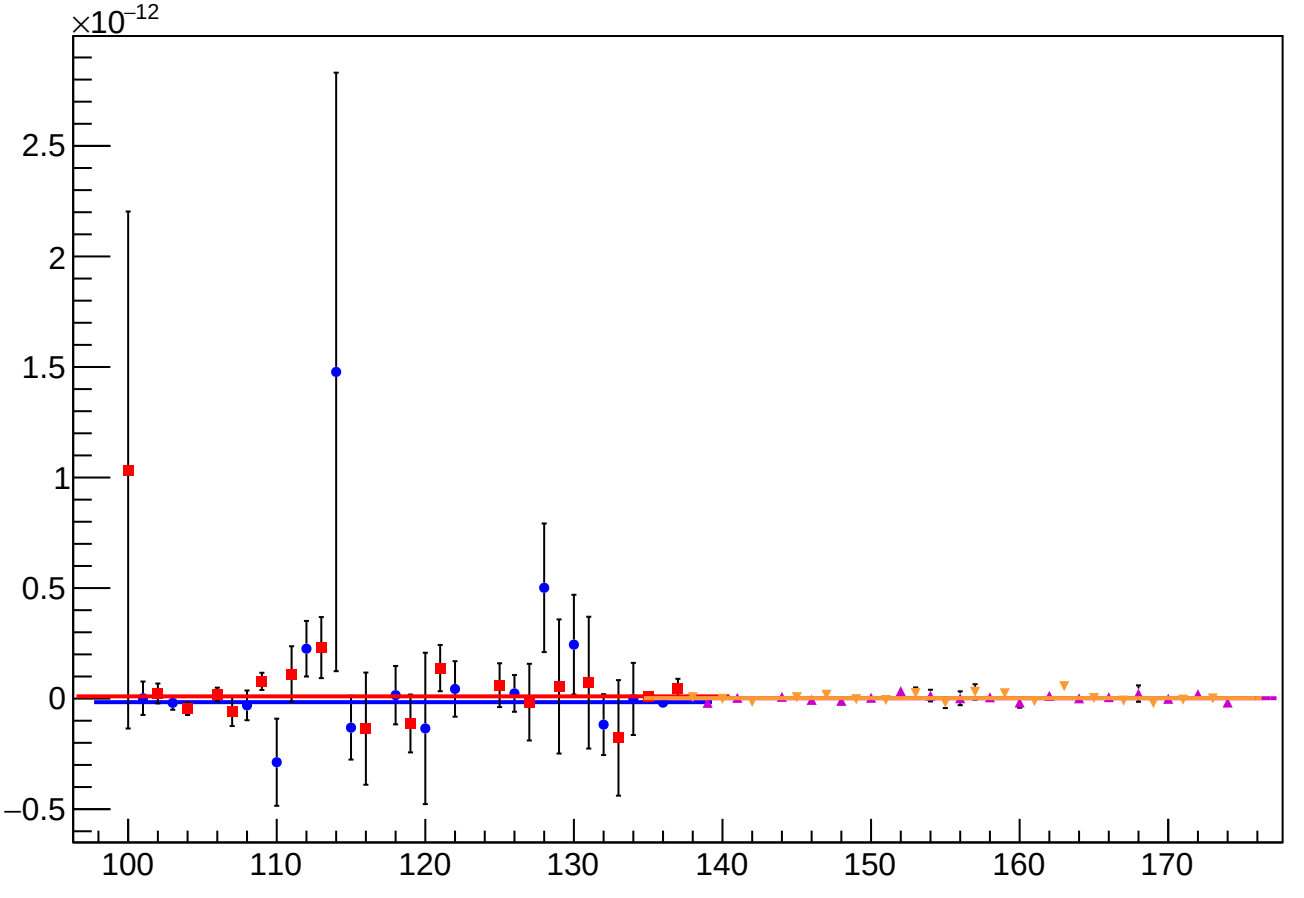
Left: 1667.609+/-0.219 χ^2/NDF: 255818.7/35

Right: 1698.749+/-0.329 χ^2/NDF: 1694585.4/33

In: 1685.254+/-0.257 χ^2/NDF:1083975.0/33

Out: 1669.002+/-0.259 χ^2/NDF:870659.9/35

All: 1677.195+/-0.182 χ^2/NDF: 1956622.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/17

Right Out: 0.000+/-0.000 χ^2/NDF: 16.4/17

Left In: 0.000+/-0.000 χ^2/NDF:11.6/17

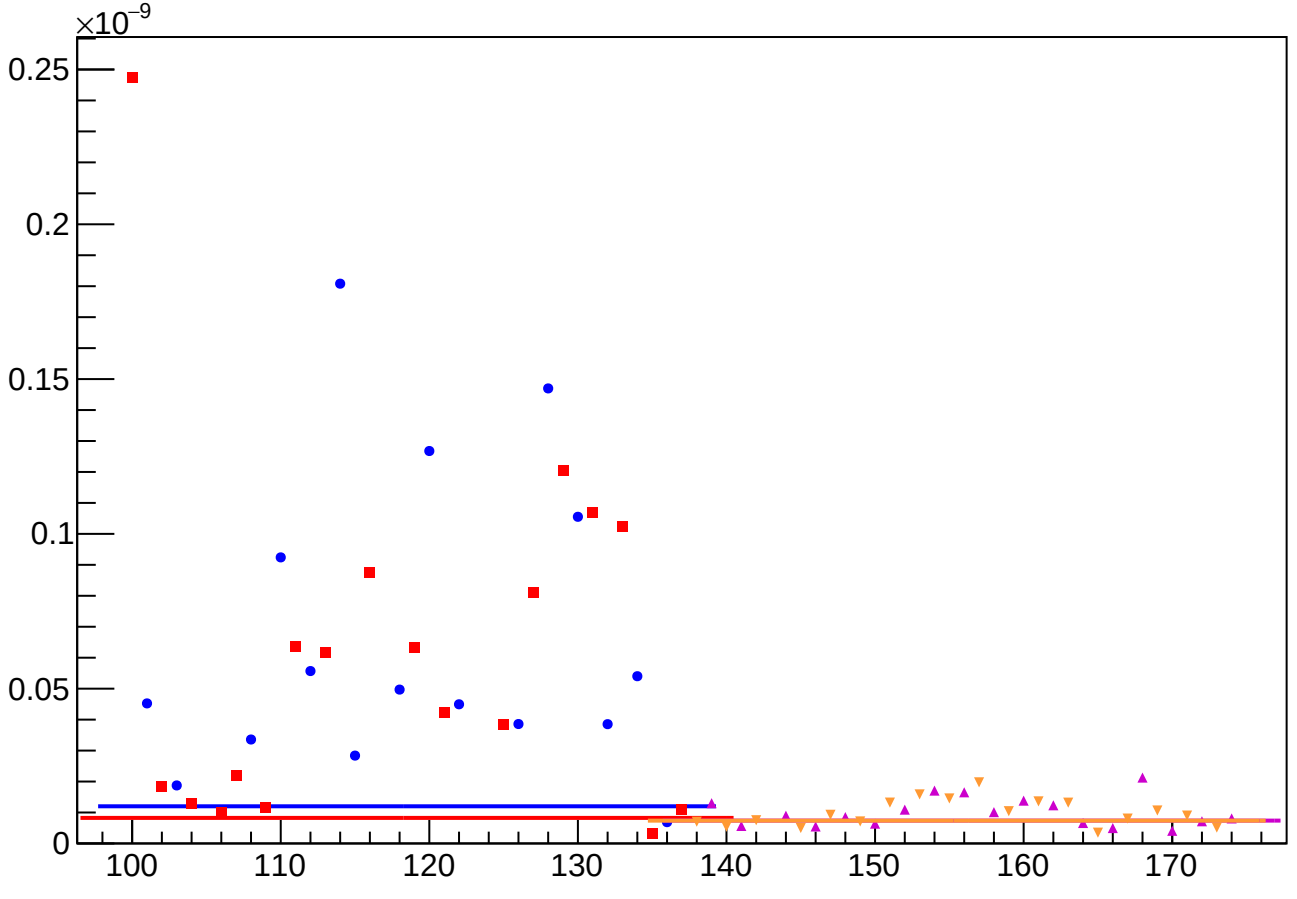
Left: 0.000+/-0.000 χ^2/NDF: 26.7/35

Right: -0.000+/-0.000 χ^2/NDF: 33.5/33

In: 0.000+/-0.000 χ^2/NDF:27.6/33

Out: 0.000+/-0.000 χ^2/NDF:32.3/35

All: 0.000+/-0.000 χ^2/NDF: 60.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 3425893.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1909116.6/17

Right Out: 0.000+/-0.000 χ^2/NDF: 3510130.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1891527.3/17

Left: 0.000+/-0.000 χ^2/NDF: 3800653.1/35

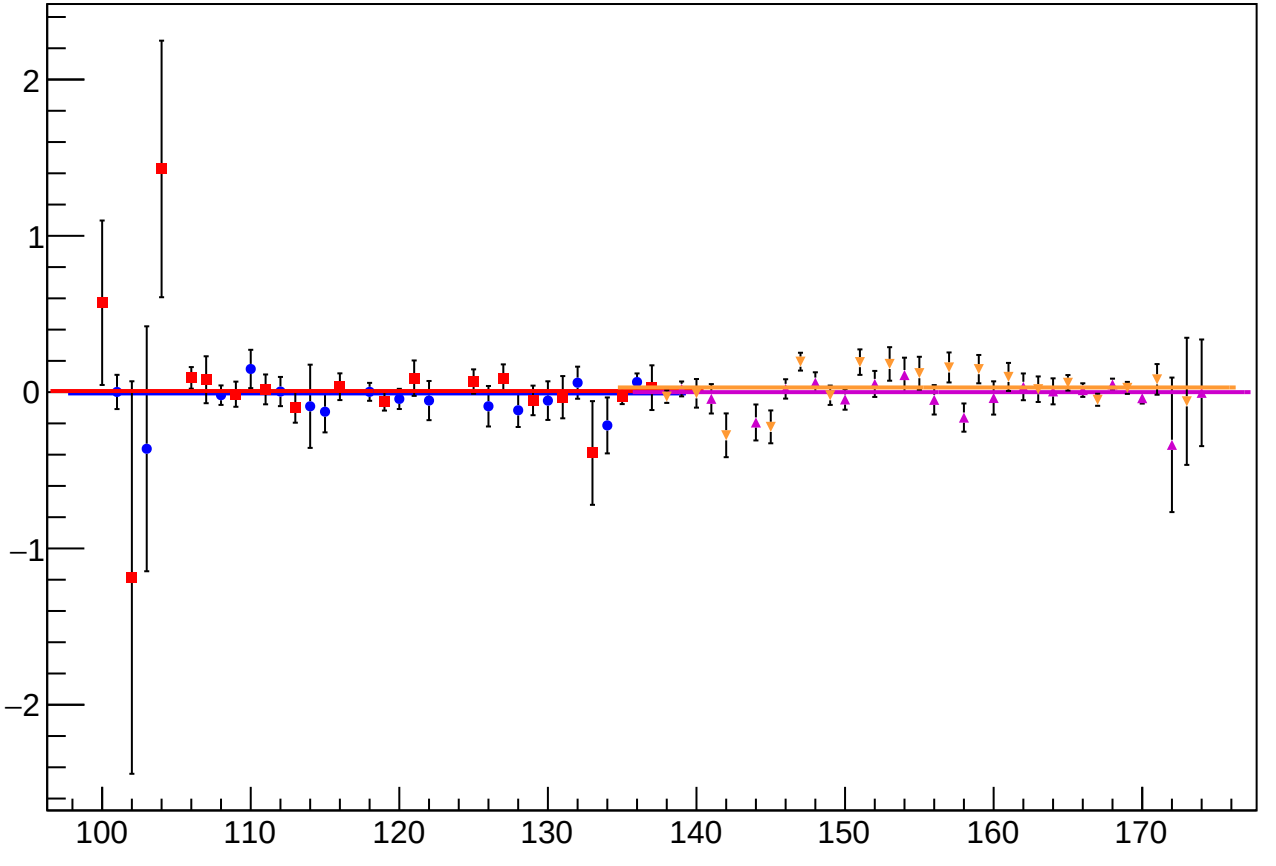
Right: 0.000+/-0.000 χ^2/NDF: 7091803.5/33

In: 0.000+/-0.000 χ^2/NDF:5686071.8/33

Out: 0.000+/-0.000 χ^2/NDF:5437230.4/35

All: 0.000+/-0.000 χ^2/NDF: 11133951.3/69

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/35

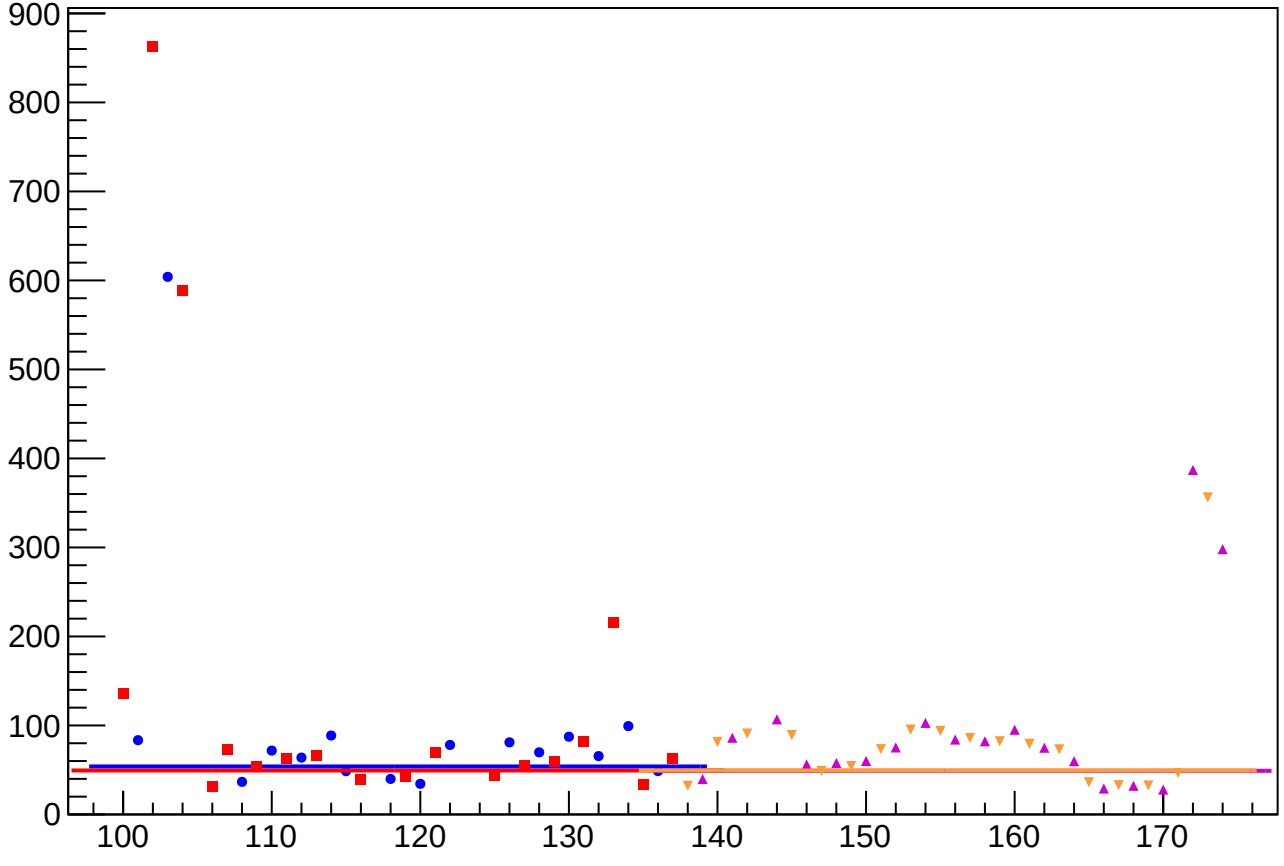
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/69

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.492+/-0.011 χ^2/NDF:4968804.4/17

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

Left: 49.259+/-0.008 χ^2/NDF: 11664138.9/35

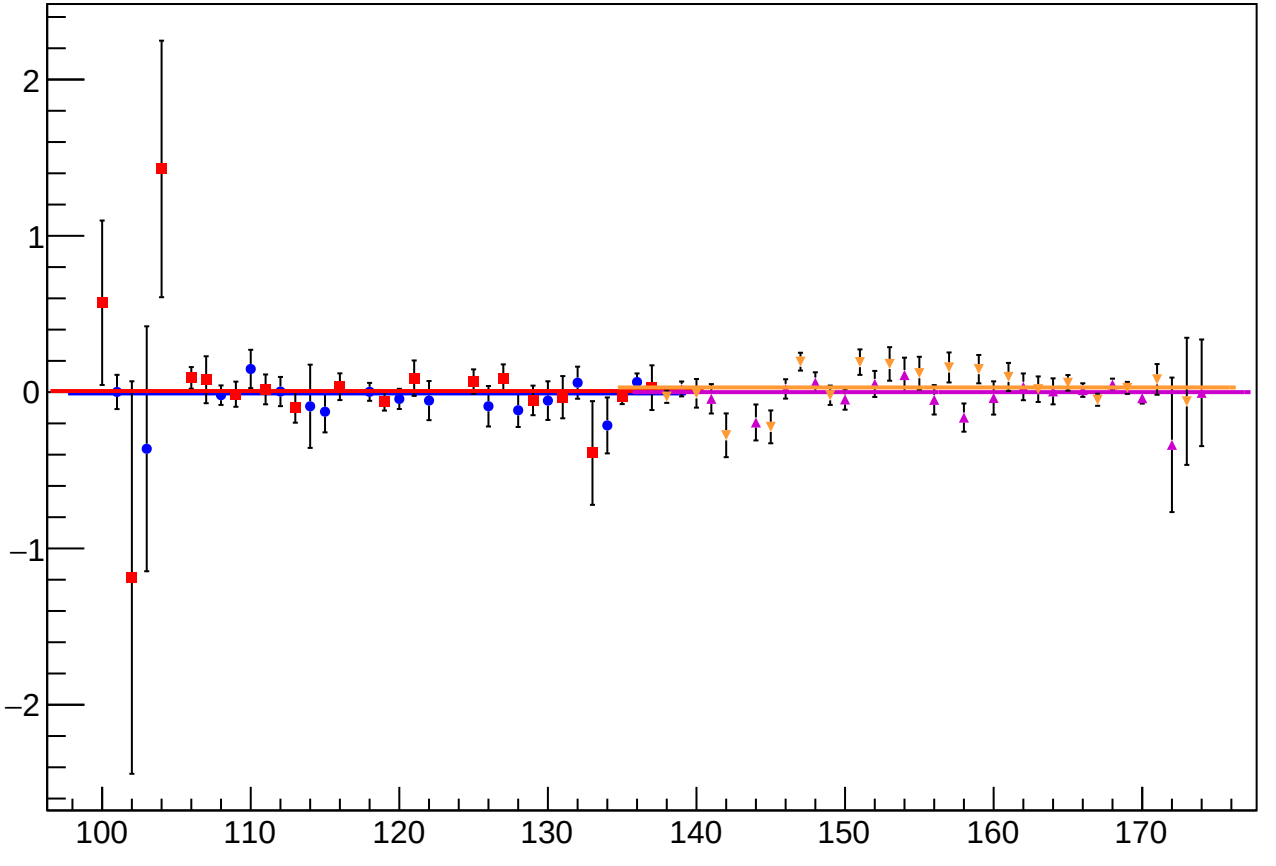
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.521+/-0.009 χ^2/NDF:8971202.0/33

Out: 49.469+/-0.009 χ^2/NDF:7986538.1/35

All: 49.994+/-0.006 χ^2/NDF: 16964575.0/69

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/35

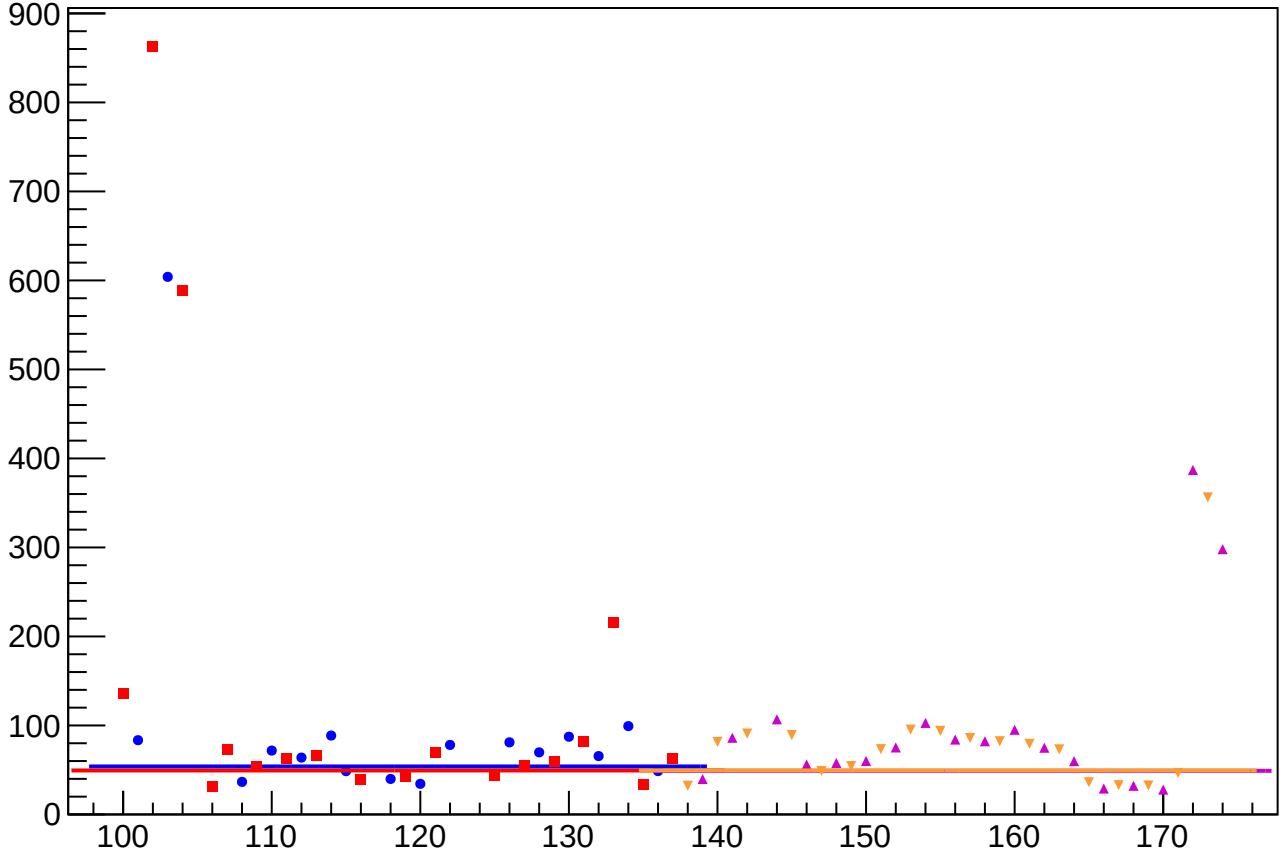
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/69

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.926+/-0.016 χ^2/NDF: 2214348.1/15

Left Out: 49.492+/-0.011 χ^2/NDF:4968804.4/17

Right Out: 49.420+/-0.016 χ^2/NDF: 3017719.3/17

Left In: 49.032+/-0.011 χ^2/NDF:6694441.3/17

Left: 49.259+/-0.008 χ^2/NDF: 11664138.9/35

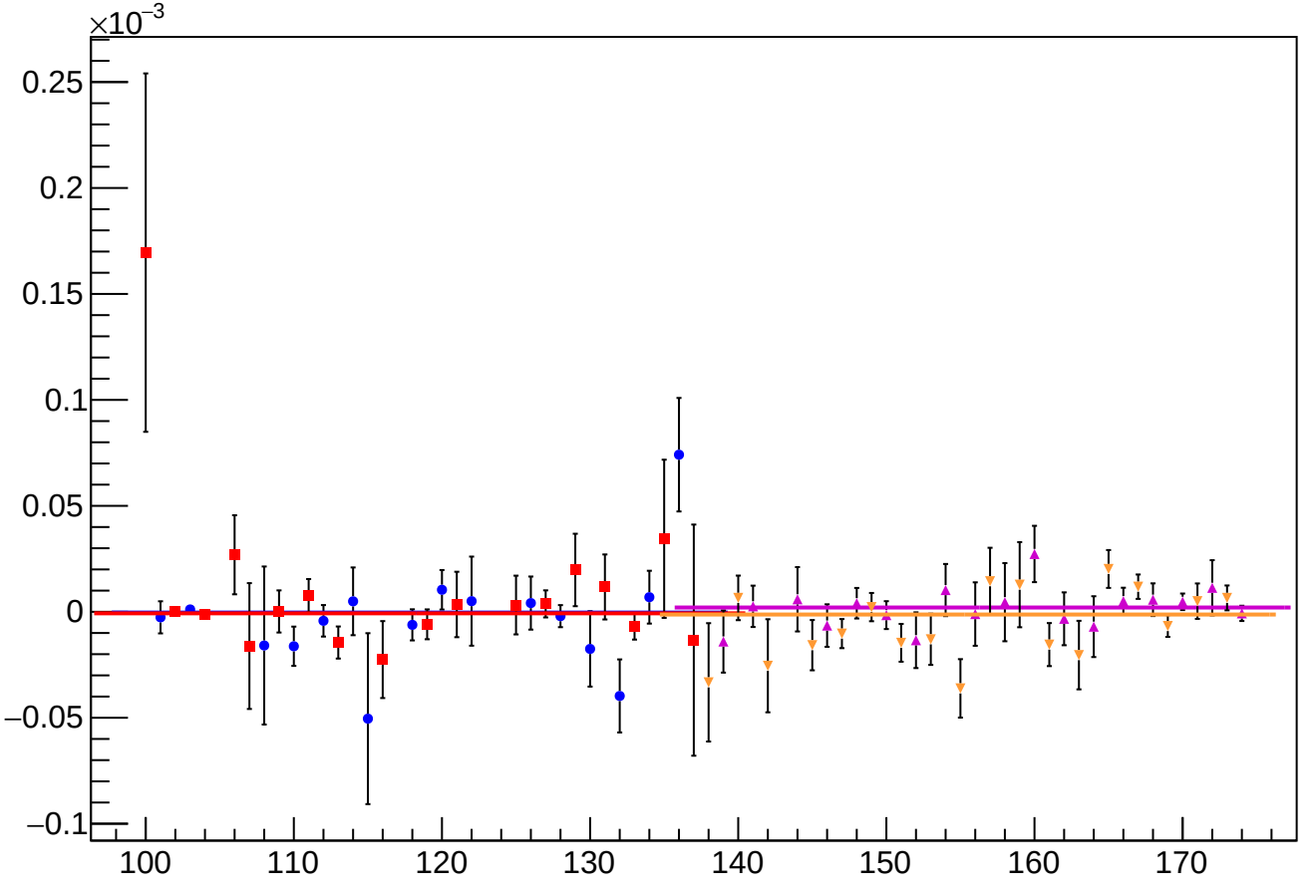
Right: 51.585+/-0.011 χ^2/NDF: 5271581.7/33

In: 50.521+/-0.009 χ^2/NDF:8971202.0/33

Out: 49.469+/-0.009 χ^2/NDF:7986538.1/35

All: 49.994+/-0.006 χ^2/NDF: 16964575.0/69

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.4/17

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/17

Left In: 0.000+/-0.000 χ^2/NDF:10.5/17

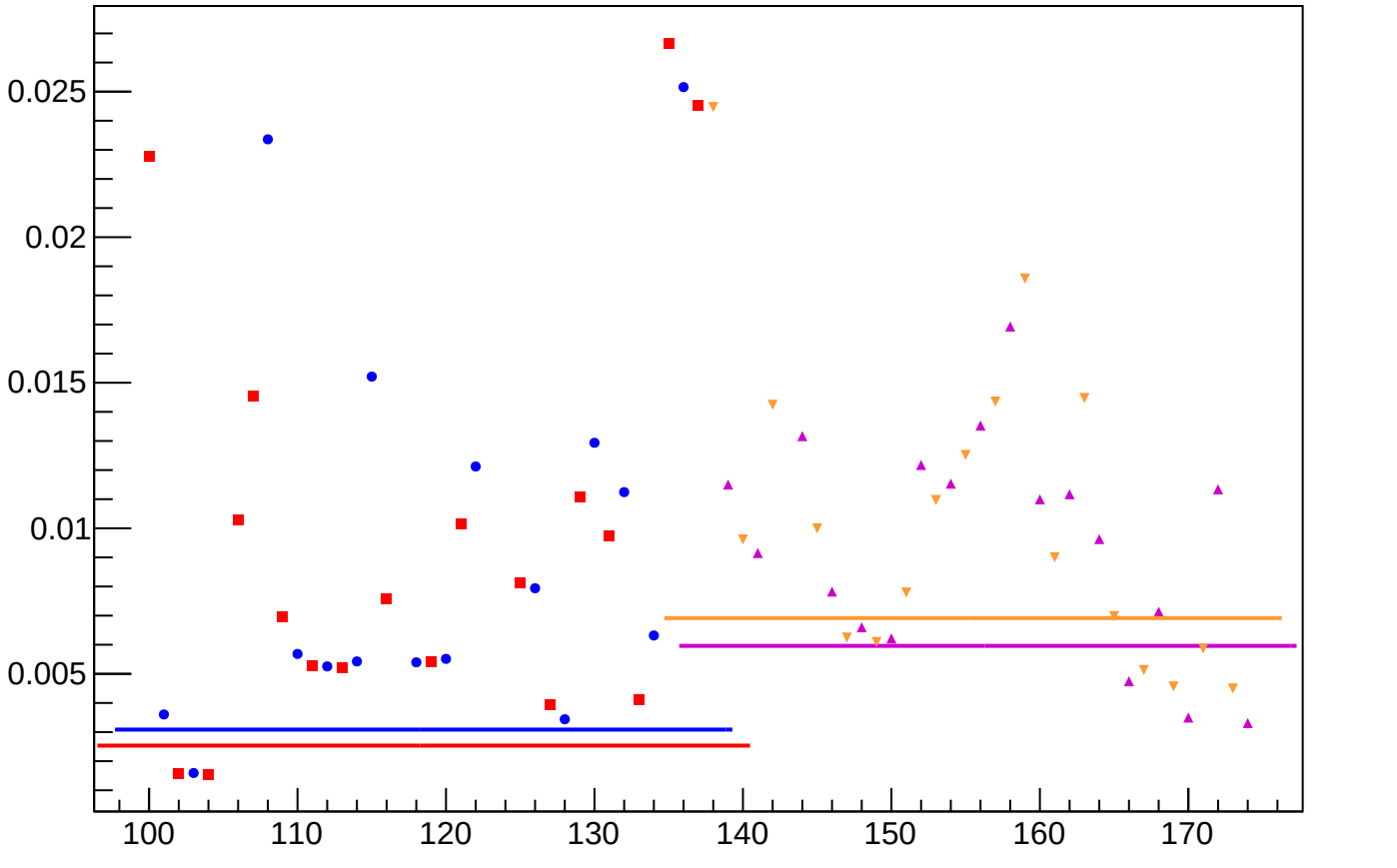
Left: 0.000+/-0.000 χ^2/NDF: 47.3/35

Right: -0.000+/-0.000 χ^2/NDF: 40.0/33

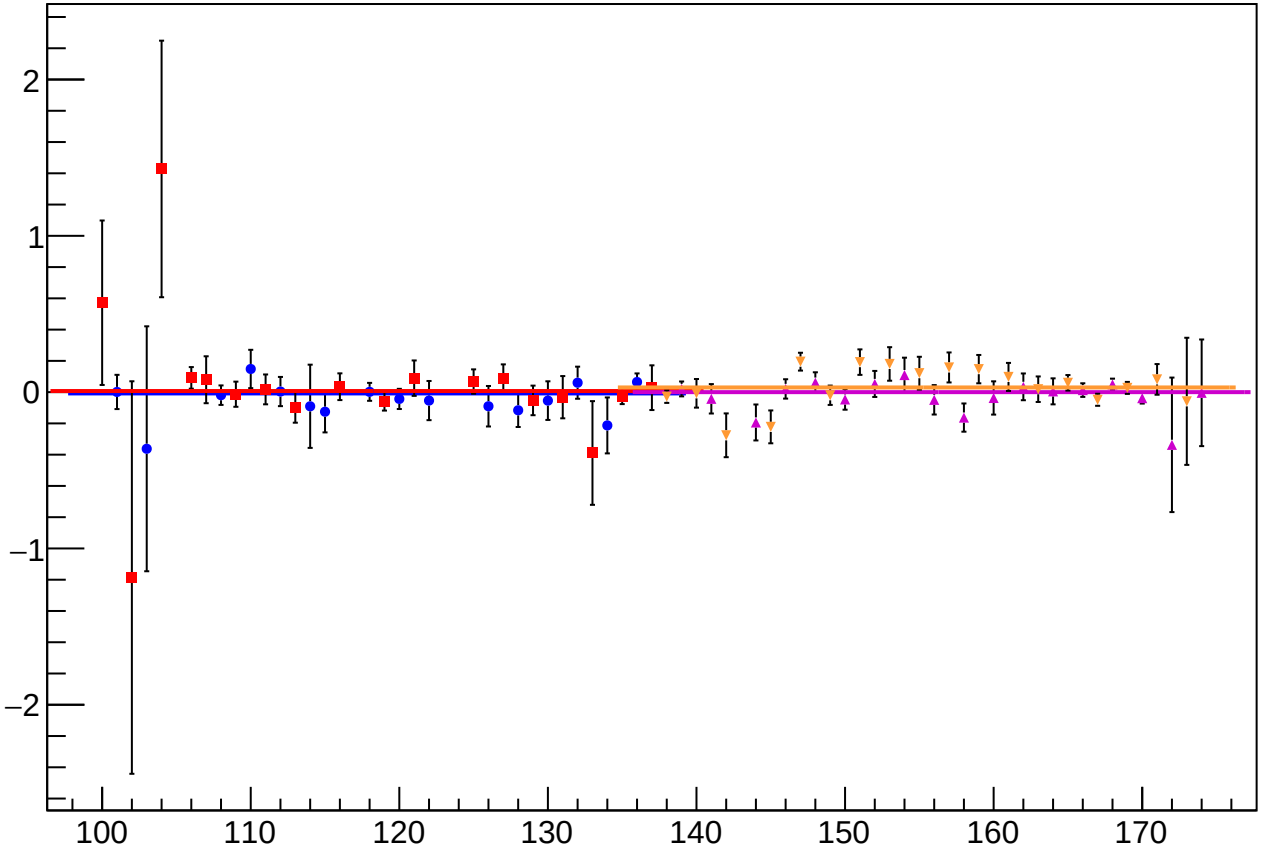
In: 0.000+/-0.000 χ^2/NDF:33.6/33

Out: -0.000+/-0.000 χ^2/NDF:53.3/35

All: -0.000+/-0.000 χ^2/NDF: 87.8/69


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.000 χ²/NDF: 5779108.6/15
Left Out: 0.007+/-0.000 χ²/NDF:4524612.0/17
Right Out: 0.003+/-0.000 χ²/NDF: 6237059.6/17
Left In: 0.006+/-0.000 χ²/NDF:6225416.2/17
Left: 0.006+/-0.000 χ²/NDF: 10988068.6/35
Right: 0.003+/-0.000 χ²/NDF: 12159145.0/33
In: 0.004+/-0.000 χ²/NDF:14776392.2/33
Out: 0.004+/-0.000 χ²/NDF:17241531.4/35
All: 0.004+/-0.000 χ²/NDF: 32313452.5/69

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/35

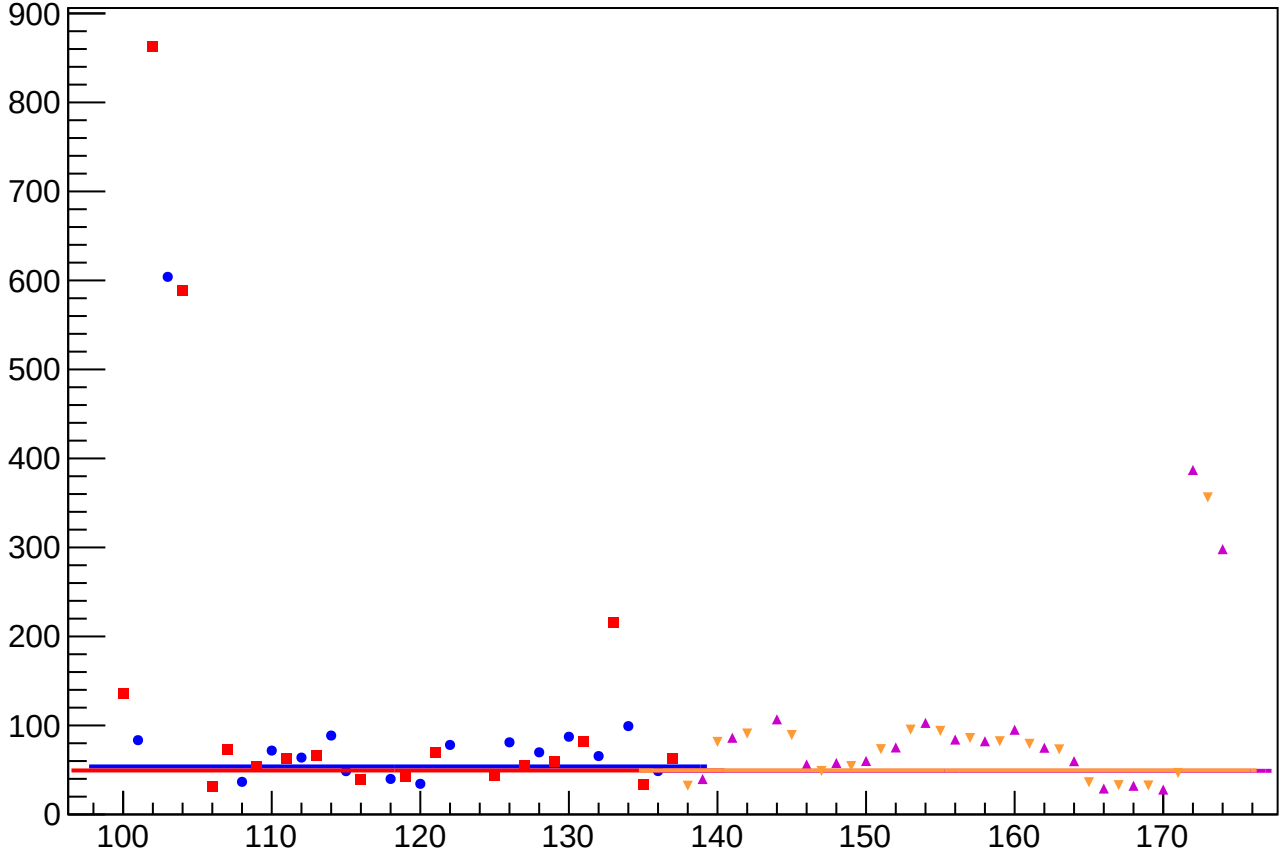
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/69

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.495+/-0.011 χ^2/NDF:4968045.9/17

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

Left: 49.260+/-0.008 χ^2/NDF: 11663323.8/35

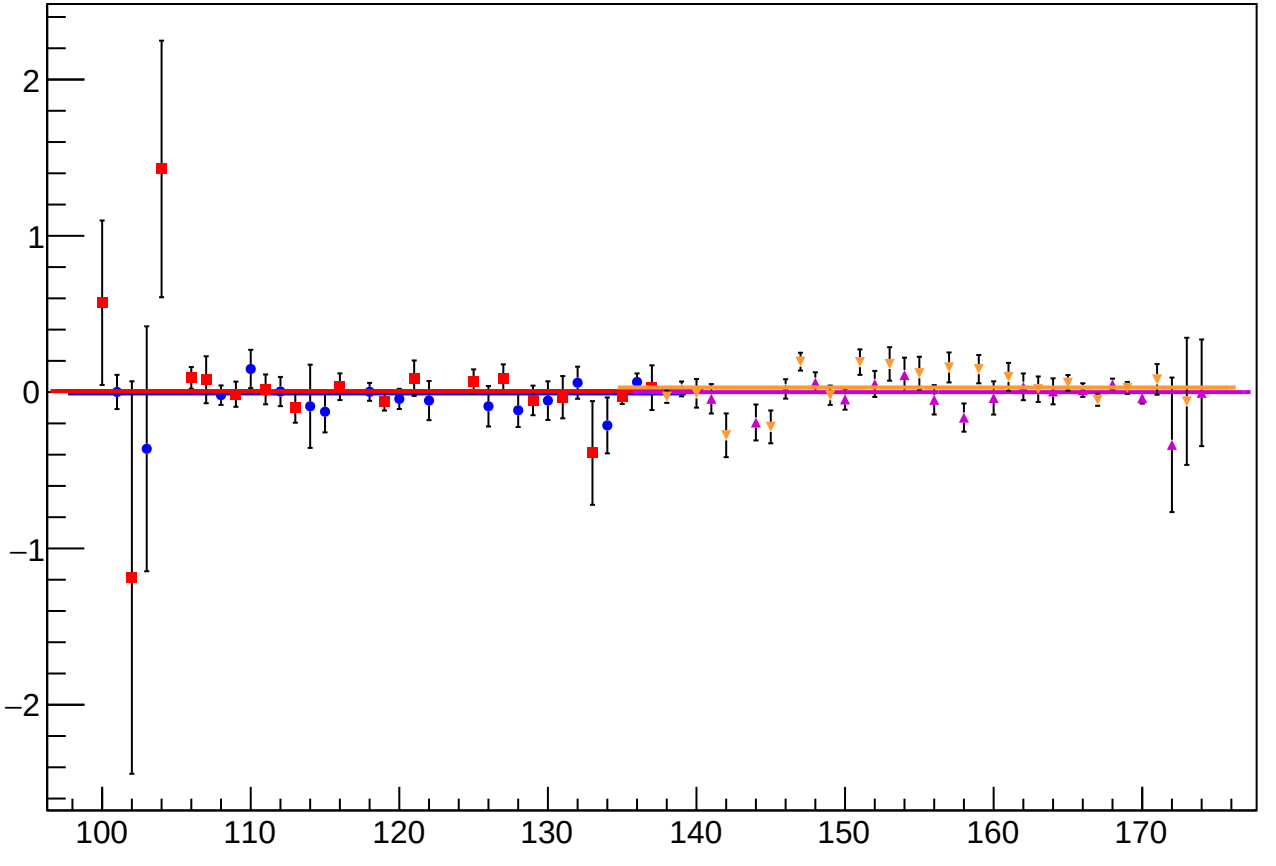
Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.522+/-0.009 χ^2/NDF:8970818.4/33

Out: 49.471+/-0.009 χ^2/NDF:7985500.7/35

All: 49.995+/-0.006 χ^2/NDF: 16963136.8/69

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.023 χ^2/NDF: 8.3/15

Left Out: 0.030+/-0.016 χ^2/NDF:37.5/17

Right Out: 0.007+/-0.022 χ^2/NDF: 13.7/17

Left In: -0.000+/-0.015 χ^2/NDF:13.6/17

Left: 0.015+/-0.011 χ^2/NDF: 53.0/35

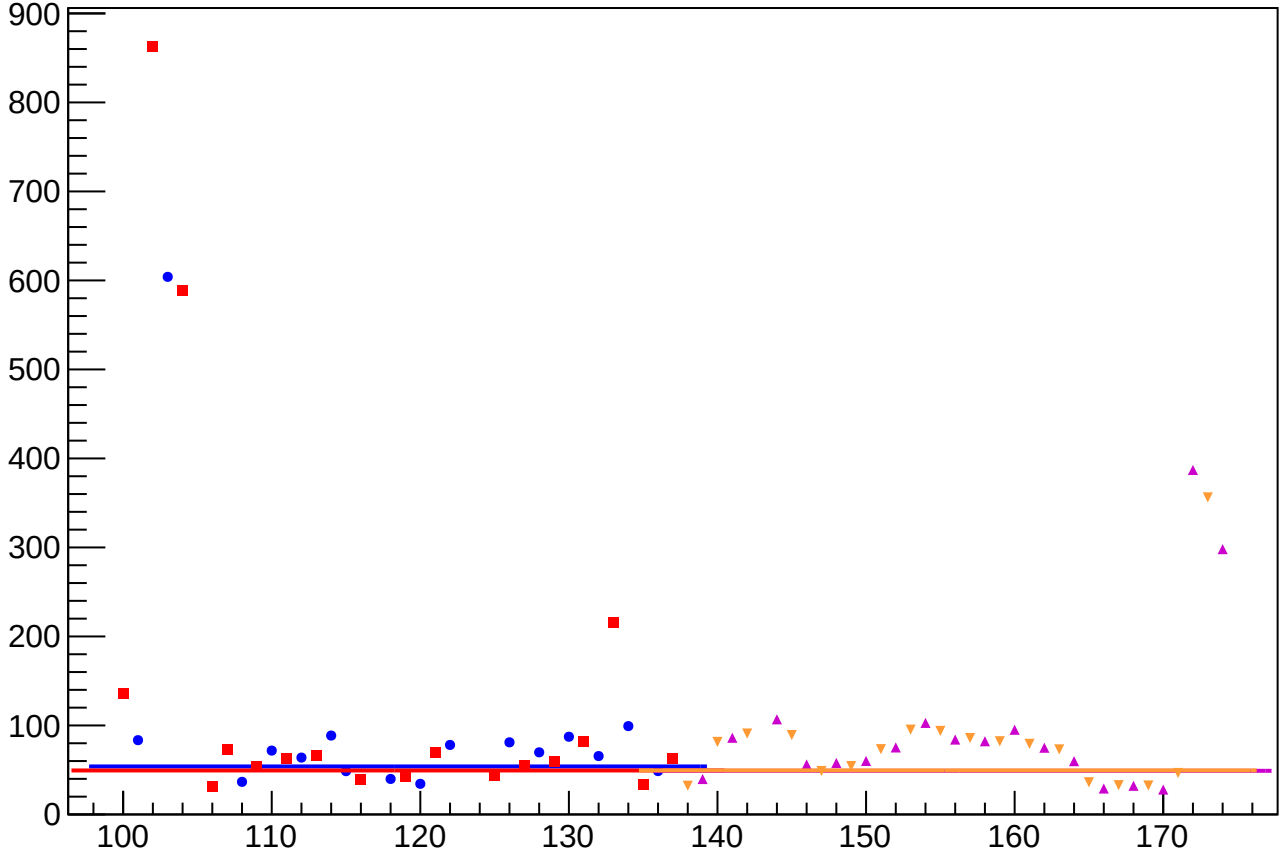
Right: -0.000+/-0.016 χ^2/NDF: 22.2/33

In: -0.003+/-0.013 χ^2/NDF:22.0/33

Out: 0.022+/-0.013 χ^2/NDF:51.9/35

All: 0.010+/-0.009 χ^2/NDF: 75.8/69

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 53.929+/-0.016 χ^2/NDF: 2213950.2/15

Left Out: 49.495+/-0.011 χ^2/NDF:4968045.9/17

Right Out: 49.422+/-0.016 χ^2/NDF: 3017440.2/17

Left In: 49.032+/-0.011 χ^2/NDF:6694375.7/17

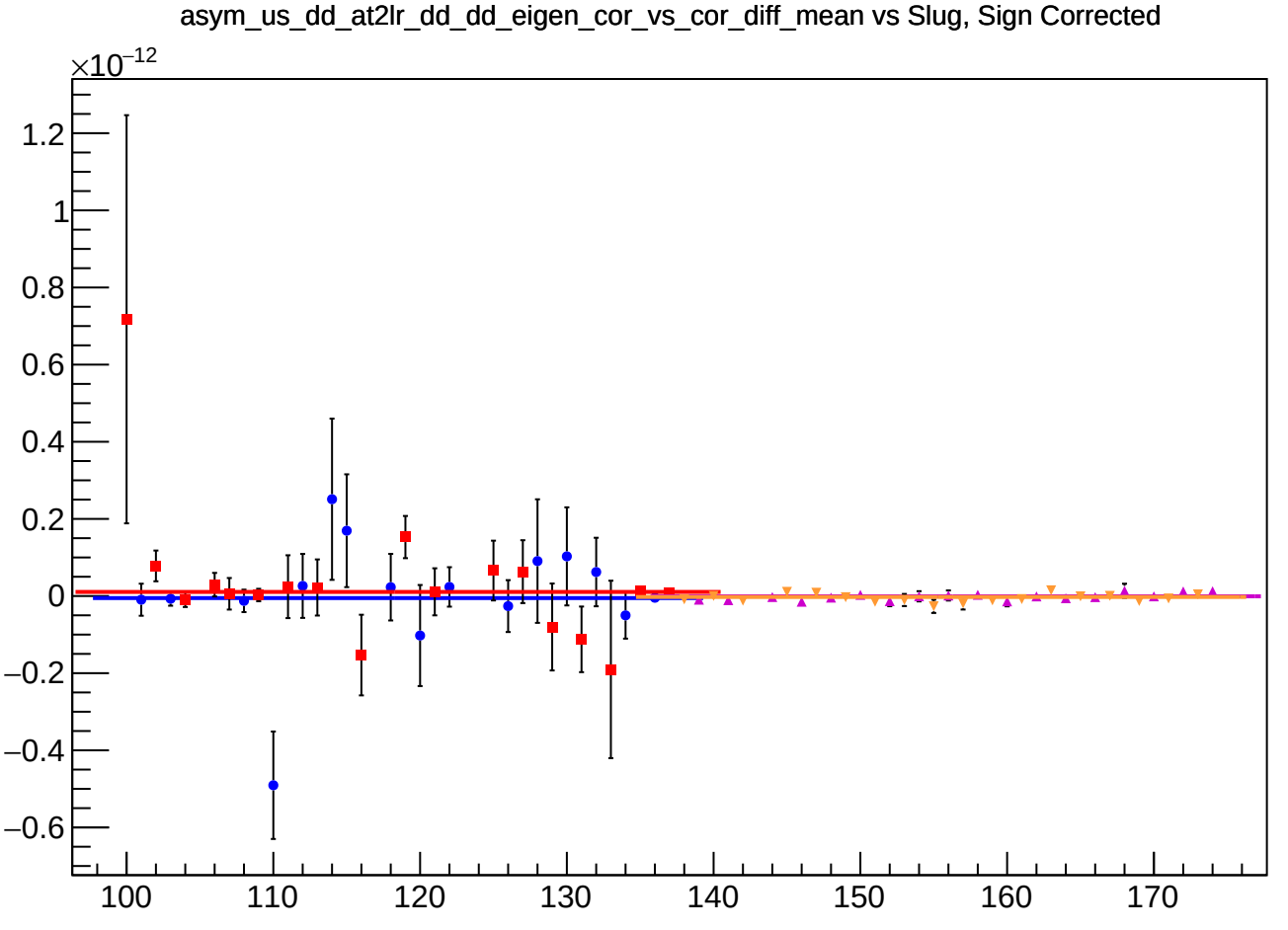
Left: 49.260+/-0.008 χ^2/NDF: 11663323.8/35

Right: 51.588+/-0.011 χ^2/NDF: 5270924.4/33

In: 50.522+/-0.009 χ^2/NDF:8970818.4/33

Out: 49.471+/-0.009 χ^2/NDF:7985500.7/35

All: 49.995+/-0.006 χ^2/NDF: 16963136.8/69



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/17

Right Out: 0.000+/-0.000 χ^2/NDF: 20.1/17

Left In: -0.000+/-0.000 χ^2/NDF:16.9/17

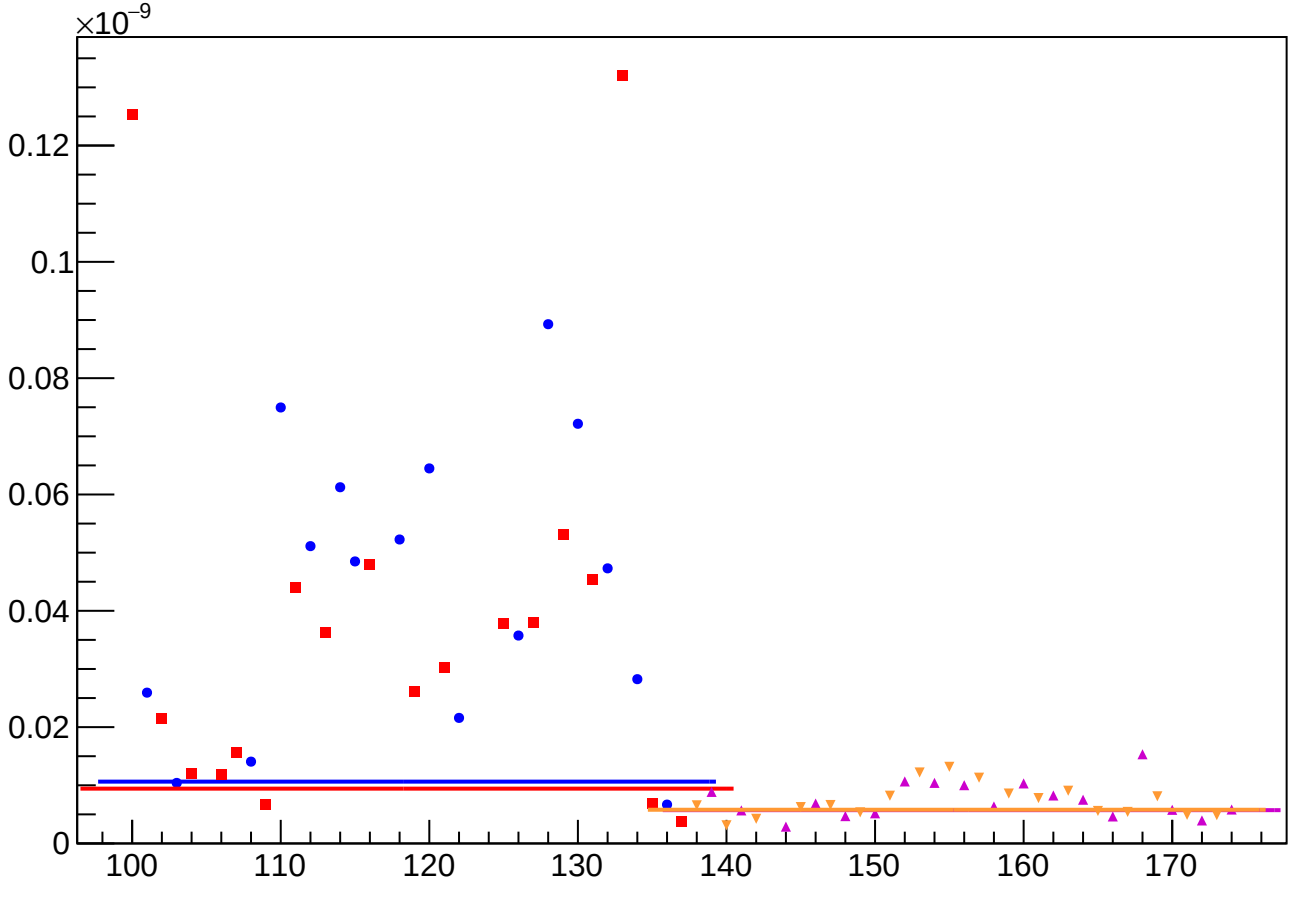
Left: -0.000+/-0.000 χ^2/NDF: 34.0/35

Right: 0.000+/-0.000 χ^2/NDF: 41.5/33

In: -0.000+/-0.000 χ^2/NDF:35.9/33

Out: -0.000+/-0.000 χ^2/NDF:40.6/35

All: -0.000+/-0.000 χ^2/NDF: 76.5/69



Right In: 0.000+/-0.000 χ^2/NDF: 4557309.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:2386682.3/17

Right Out: 0.000+/-0.000 χ^2/NDF: 4029424.5/17

Left In: 0.000+/-0.000 χ^2/NDF:2857840.8/17

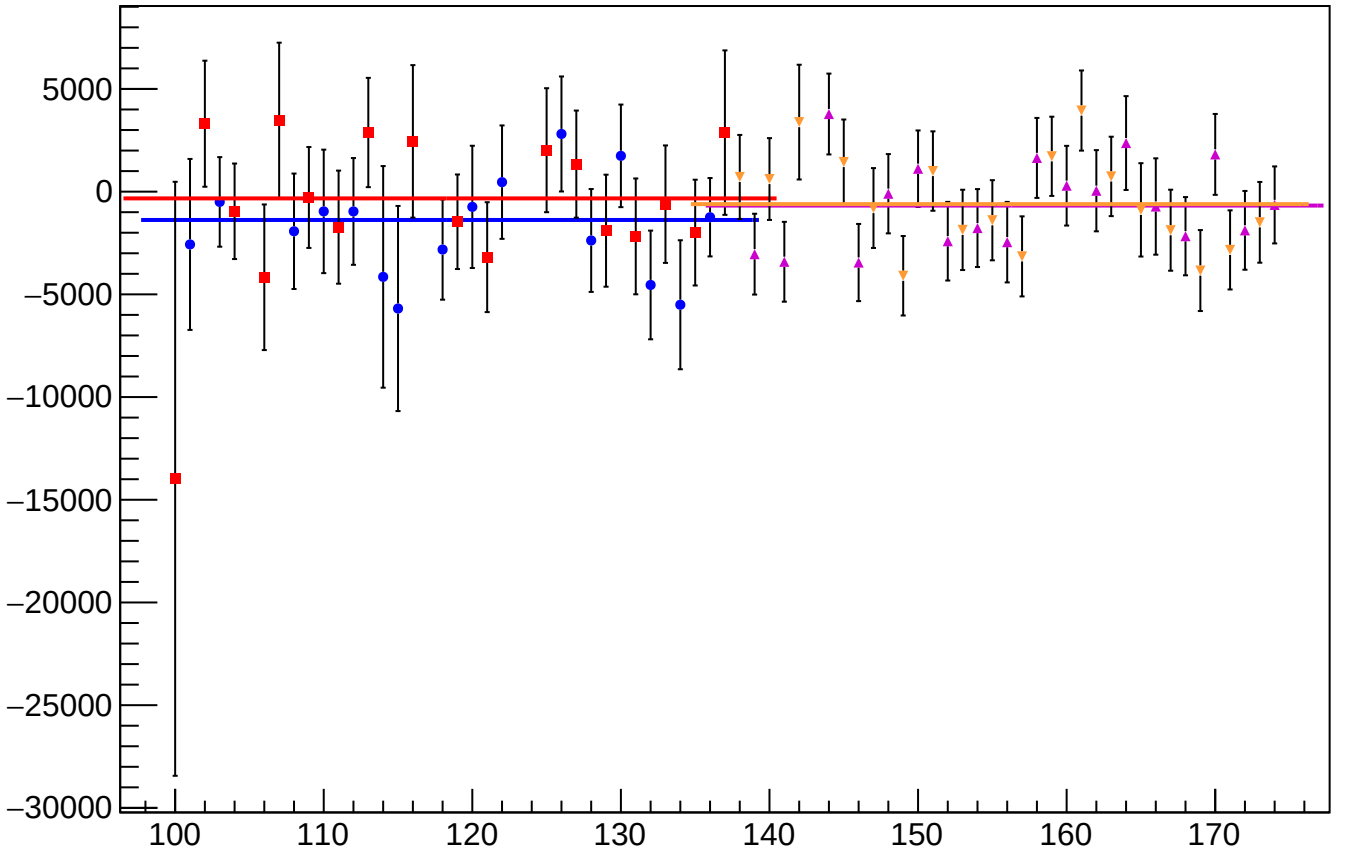
Left: 0.000+/-0.000 χ^2/NDF: 5245789.2/35

Right: 0.000+/-0.000 χ^2/NDF: 8619590.4/33

In: 0.000+/-0.000 χ^2/NDF:8367707.2/33

Out: 0.000+/-0.000 χ^2/NDF:6992895.2/35

All: 0.000+/-0.000 χ^2/NDF: 15360726.1/69



Right In: -1378.758+/-689.030 χ^2/NDF: 9.3/15

Left Out: -607.379+/-472.678 χ^2/NDF:22.1/17

Right Out: -328.770+/-683.888 χ^2/NDF: 11.0/17

Left In: -677.495+/-462.156 χ^2/NDF:19.9/17

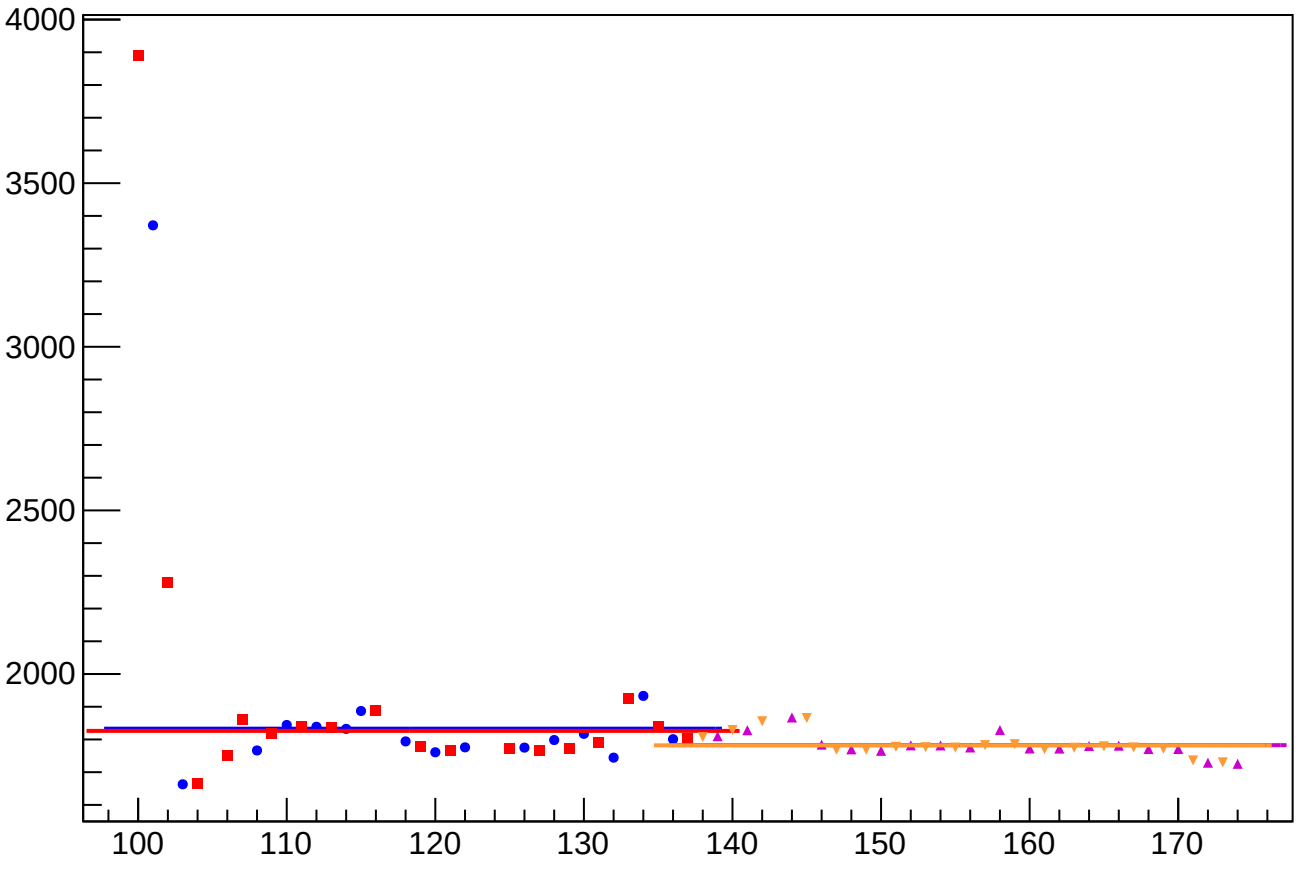
Left: -643.226+/-330.451 χ^2/NDF: 42.0/35

Right: -849.832+/-485.390 χ^2/NDF: 21.5/33

In: -895.090+/-383.815 χ^2/NDF:29.9/33

Out: -517.311+/-388.840 χ^2/NDF:33.3/35

All: -708.658+/-273.158 χ^2/NDF: 63.7/69



Right In: 1832.947+/-0.487 χ^2/NDF: 295439.4/15

Left Out: 1782.067+/-0.334 χ^2/NDF:9007.9/17

Right Out: 1826.208+/-0.484 χ^2/NDF: 103006.6/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

Left: 1782.342+/-0.234 χ^2/NDF: 19266.0/35

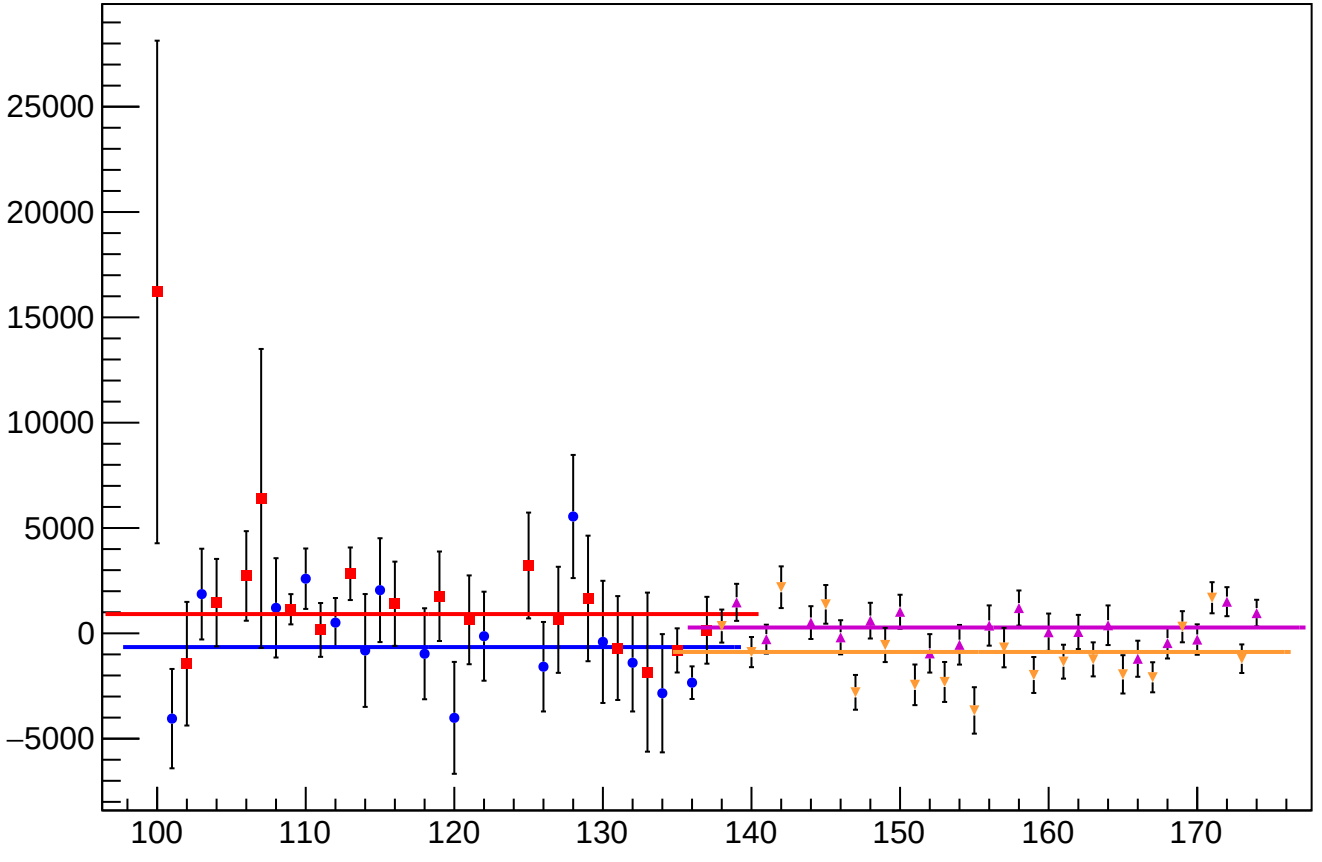
Right: 1829.552+/-0.343 χ^2/NDF: 398542.3/33

In: 1798.226+/-0.271 χ^2/NDF:313059.5/33

Out: 1796.337+/-0.275 χ^2/NDF:117652.9/35

All: 1797.294+/-0.193 χ^2/NDF: 430736.3/69

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.944+/-442.135 χ^2/NDF: 23.2/15

Left Out: -883.806+/-194.688 χ^2/NDF:56.3/17

Right Out: 914.717+/-393.421 χ^2/NDF: 11.5/17

Left In: 277.209+/-188.791 χ^2/NDF:16.8/17

Left: -285.450+/-135.532 χ^2/NDF: 91.5/35

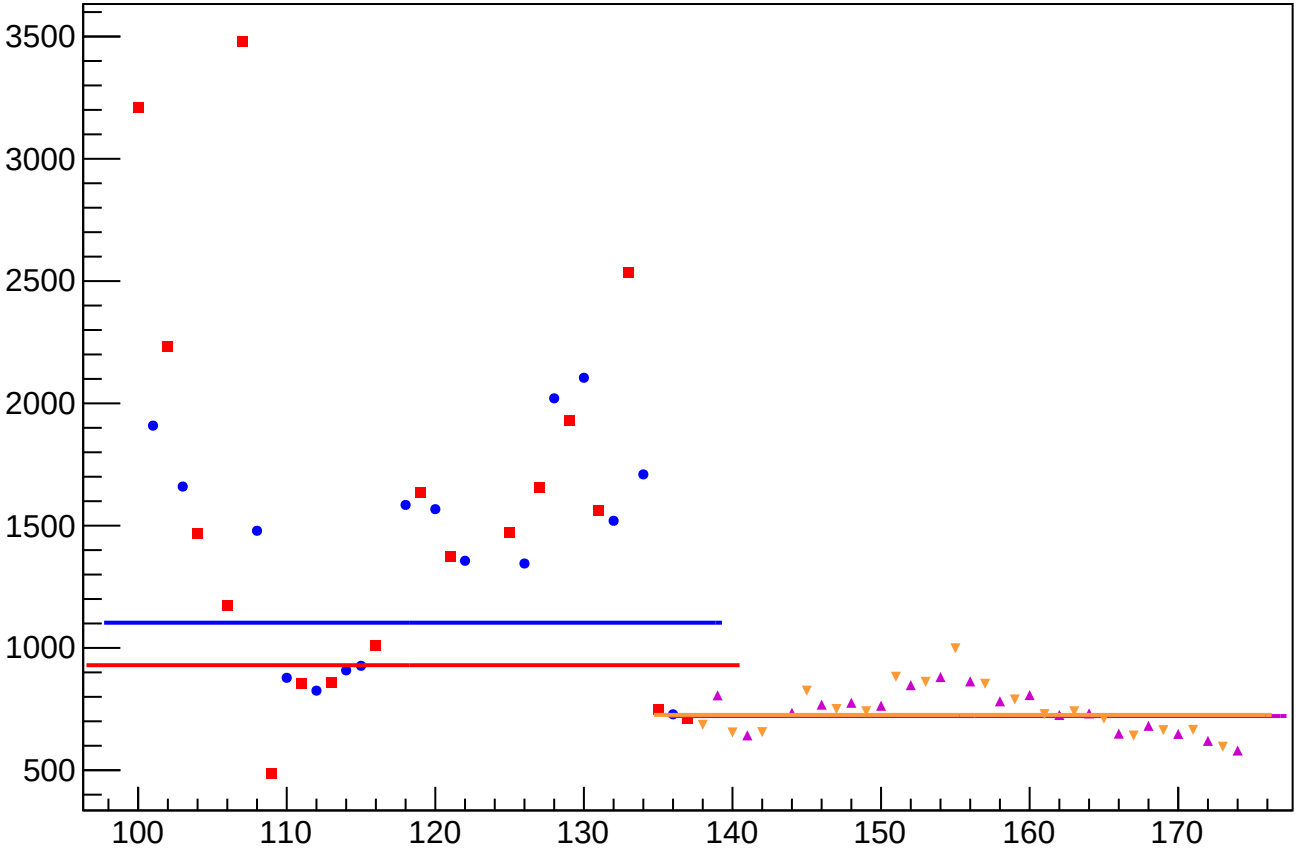
Right: 222.415+/-293.910 χ^2/NDF: 41.8/33

In: 133.923+/-173.625 χ^2/NDF:43.8/33

Out: -530.013+/-174.491 χ^2/NDF:84.6/35

All: -196.393+/-123.077 χ^2/NDF: 135.7/69

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: 726.251+/-0.138 χ^2/NDF:454931.7/17

Right Out: 929.356+/-0.278 χ^2/NDF: 3054092.4/17

Left In: 721.454+/-0.133 χ^2/NDF:418835.6/17

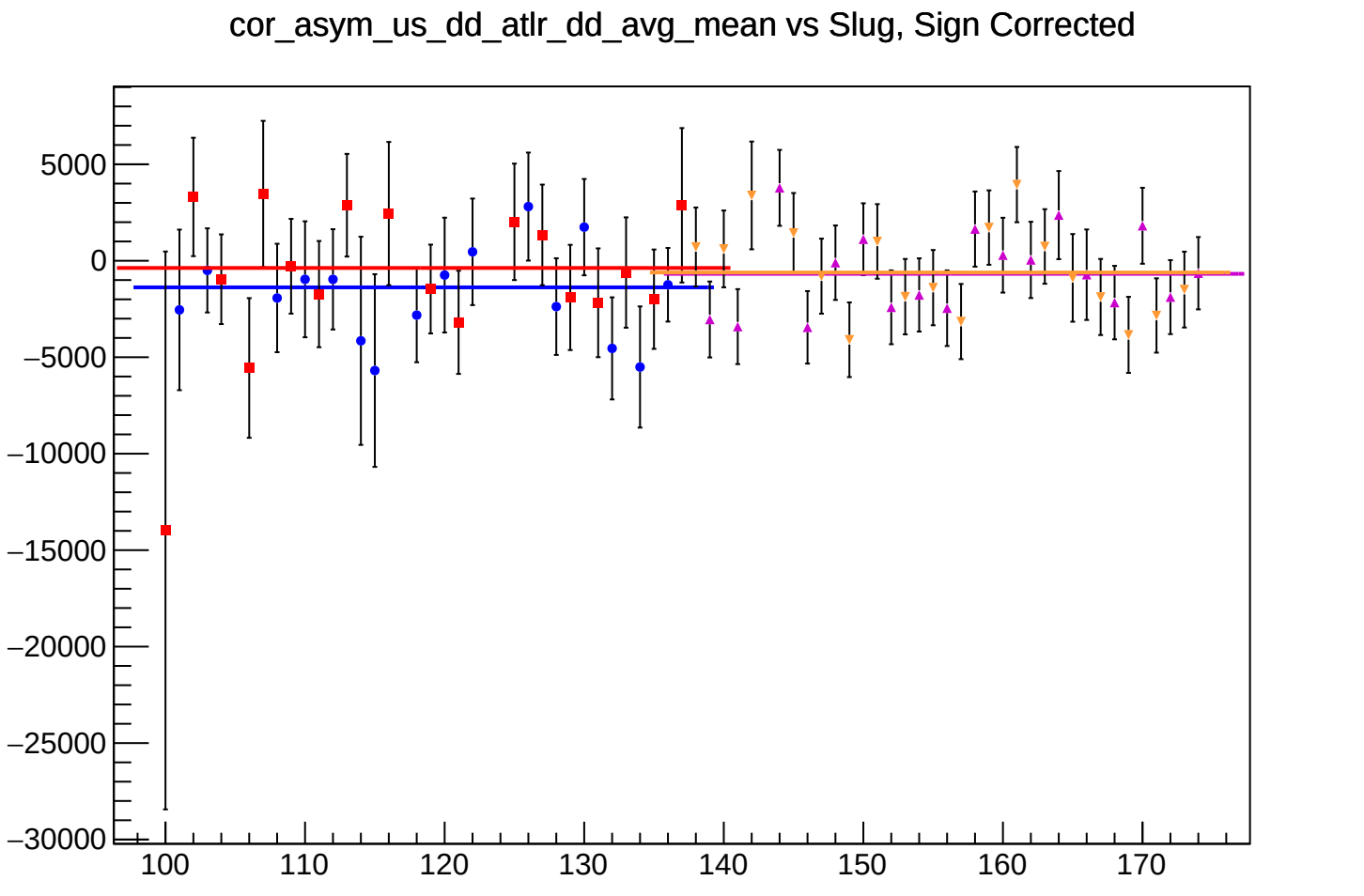
Left: 723.779+/-0.096 χ^2/NDF: 874393.2/35

Right: 1006.170+/-0.208 χ^2/NDF: 5104800.3/33

In: 780.321+/-0.123 χ^2/NDF:3557949.7/33

Out: 766.205+/-0.123 χ^2/NDF:3937204.3/35

All: 773.298+/-0.087 χ^2/NDF: 7501731.0/69



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -607.289+/-472.678 χ^2/NDF:22.1/17

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -677.397+/-462.156 χ^2/NDF:19.9/17

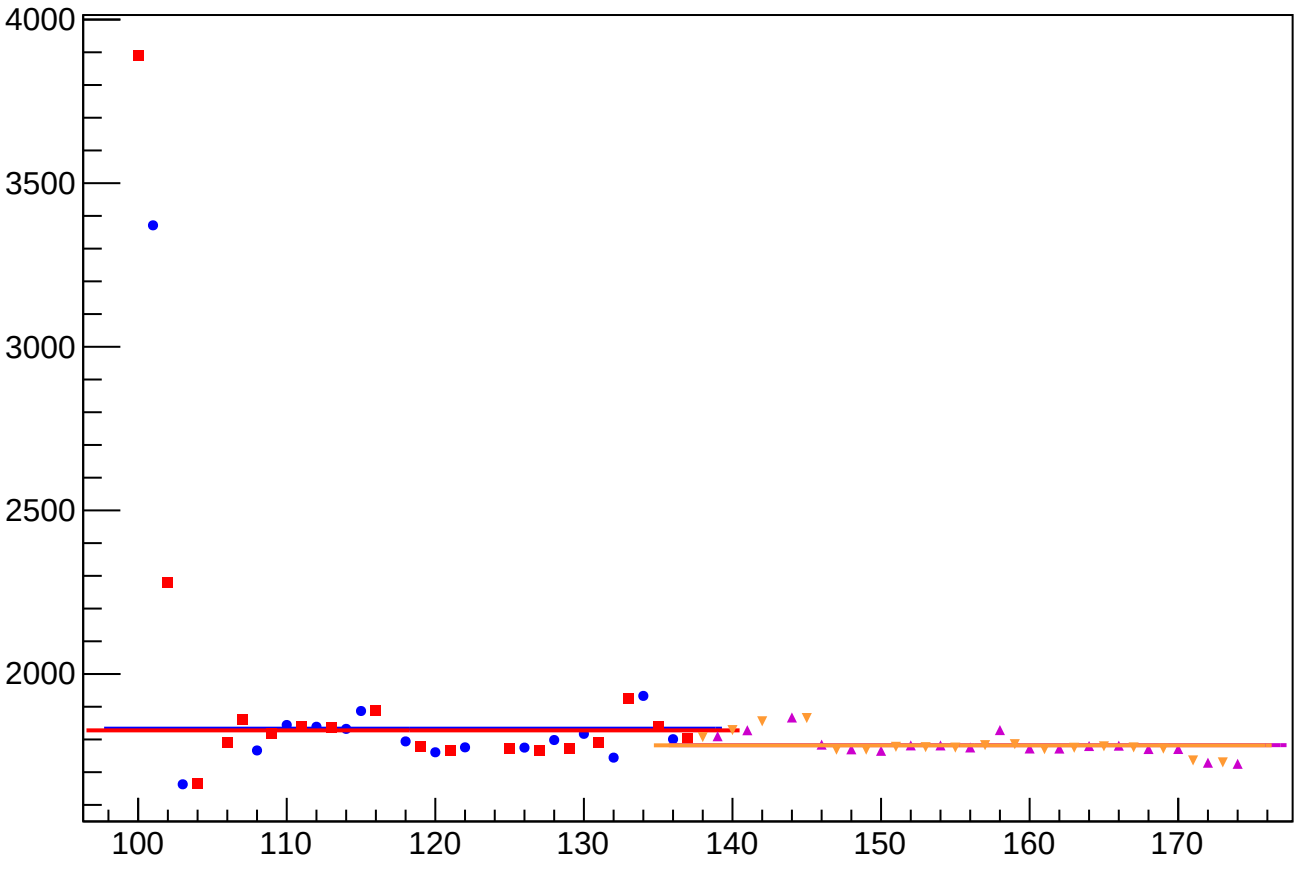
Left: -643.132+/-330.451 χ^2/NDF: 42.0/35

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -894.828+/-383.815 χ^2/NDF:29.9/33

Out: -531.476+/-388.936 χ^2/NDF:34.1/35

All: -715.560+/-273.191 χ^2/NDF: 64.5/69



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1782.067+/-0.334 χ^2/NDF:9007.9/17

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

Left: 1782.342+/-0.234 χ^2/NDF: 19266.0/35

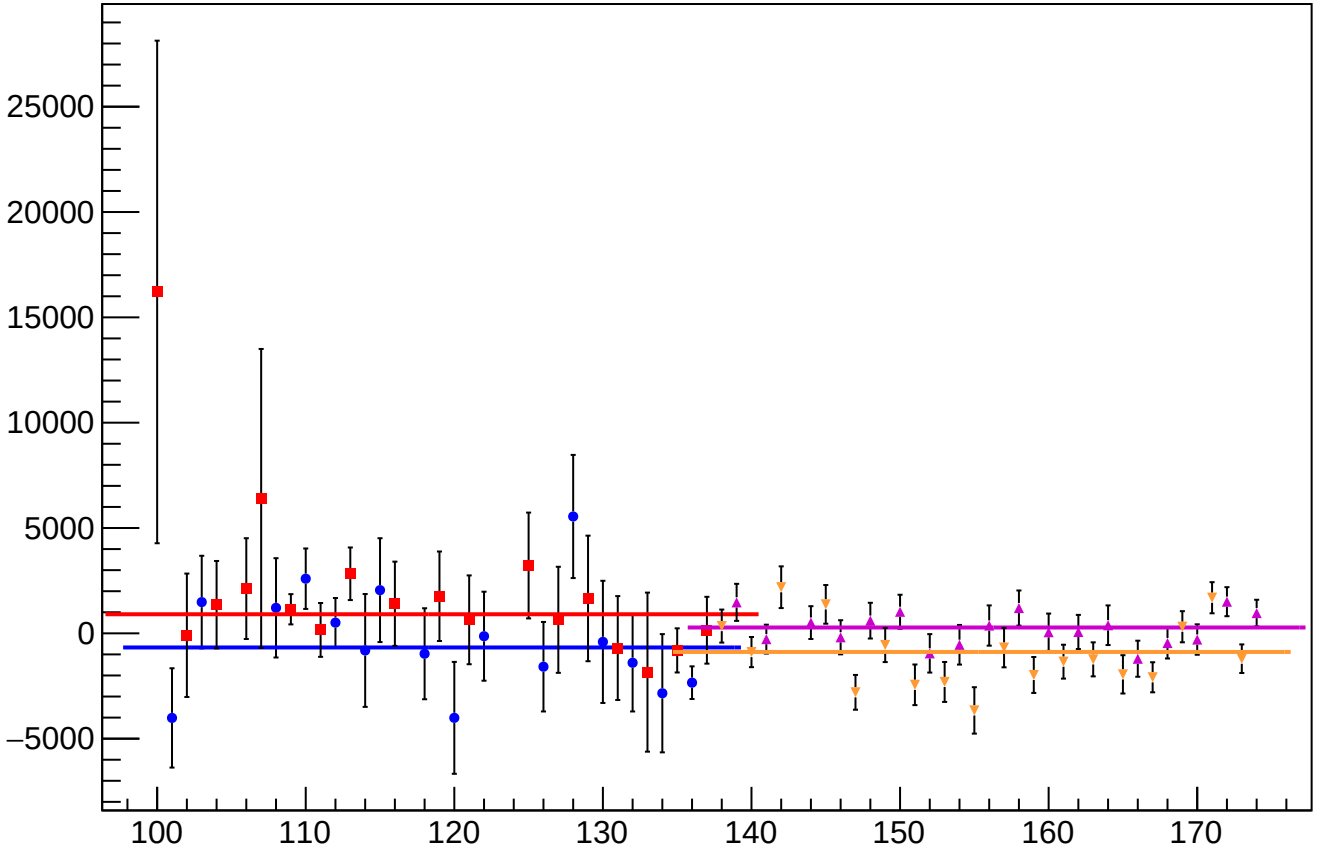
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1798.226+/-0.271 χ^2/NDF:313061.4/33

Out: 1796.831+/-0.275 χ^2/NDF:117320.4/35

All: 1797.538+/-0.193 χ^2/NDF: 430394.9/69

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -883.825+/-194.689 χ^2/NDF:56.3/17

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 277.160+/-188.792 χ^2/NDF:16.8/17

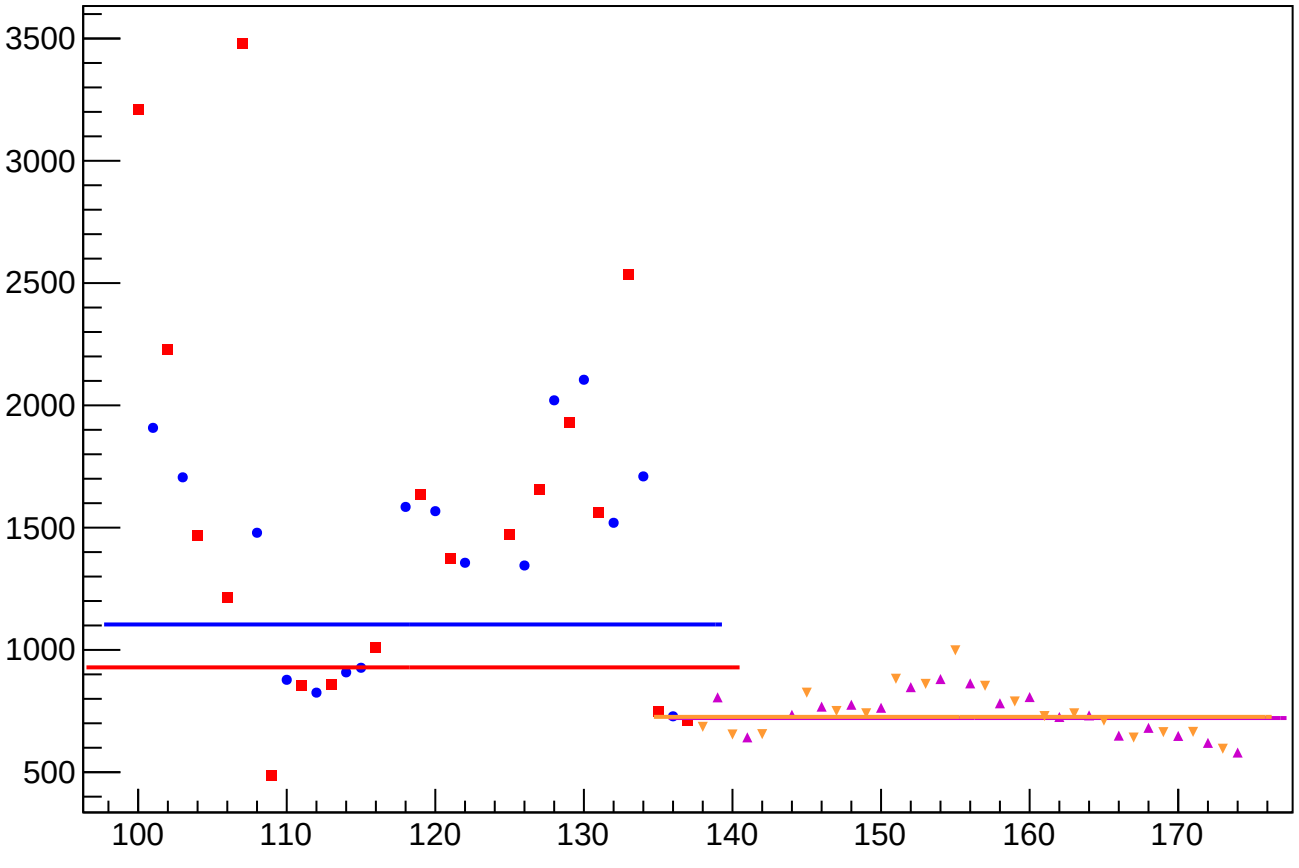
Left: -285.481+/-135.533 χ^2/NDF: 91.5/35

Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 131.221+/-173.648 χ^2/NDF:43.5/33

Out: -533.758+/-174.614 χ^2/NDF:83.4/35

All: -199.425+/-123.128 χ^2/NDF: 134.1/69



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 726.259+/-0.138 χ^2/NDF:454879.5/17

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

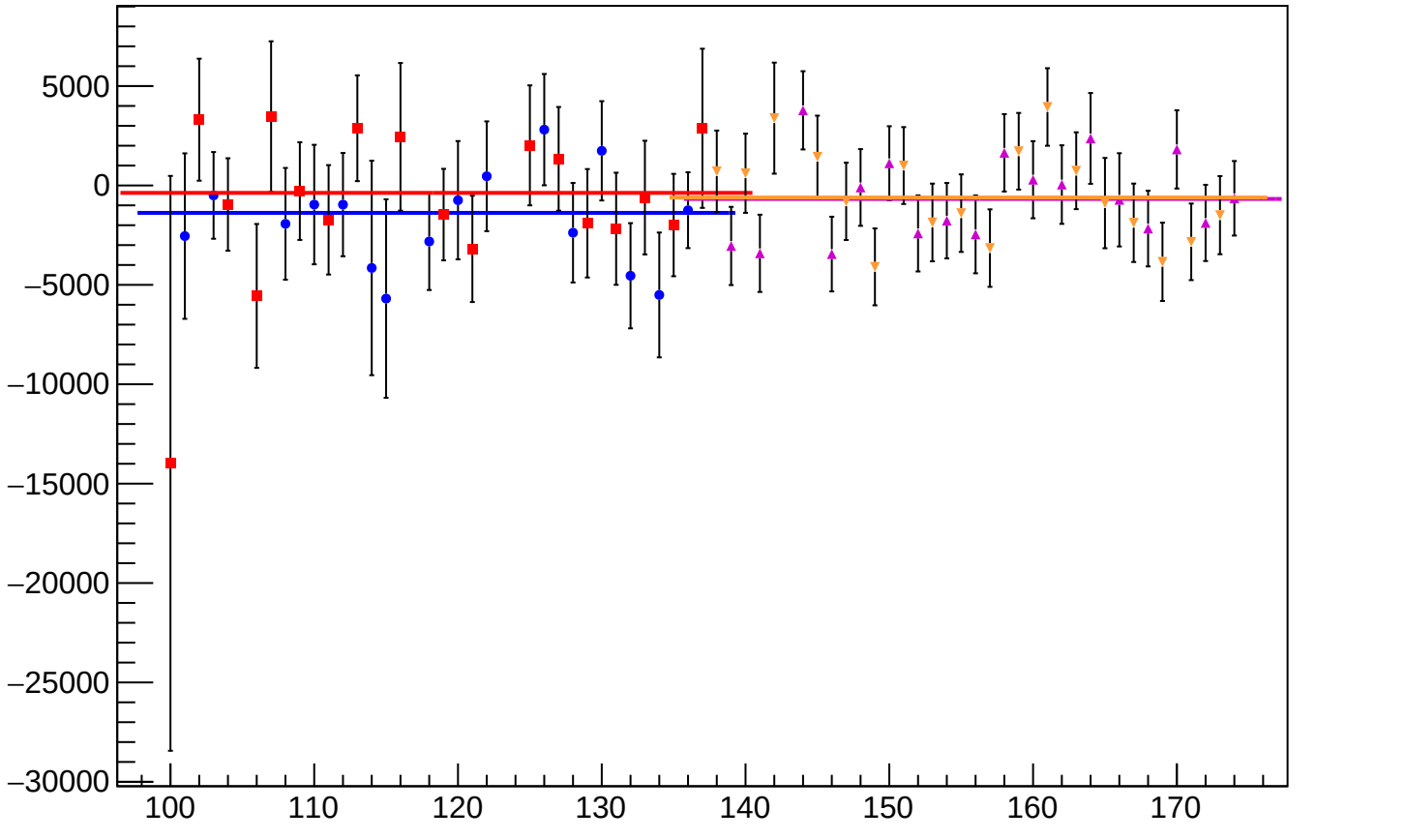
Left: 723.784+/-0.096 χ^2/NDF: 874371.3/35

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 780.383+/-0.123 χ^2/NDF:3578546.5/33

Out: 765.843+/-0.123 χ^2/NDF:3931937.7/35

All: 773.153+/-0.087 χ^2/NDF: 7517456.4/69



Right In: -1378.133+/-689.030 χ^2/NDF: 9.3/15

Left Out: -607.289+/-472.678 χ^2/NDF:22.1/17

Right Out: -372.534+/-684.408 χ^2/NDF: 12.0/17

Left In: -677.397+/-462.156 χ^2/NDF:19.9/17

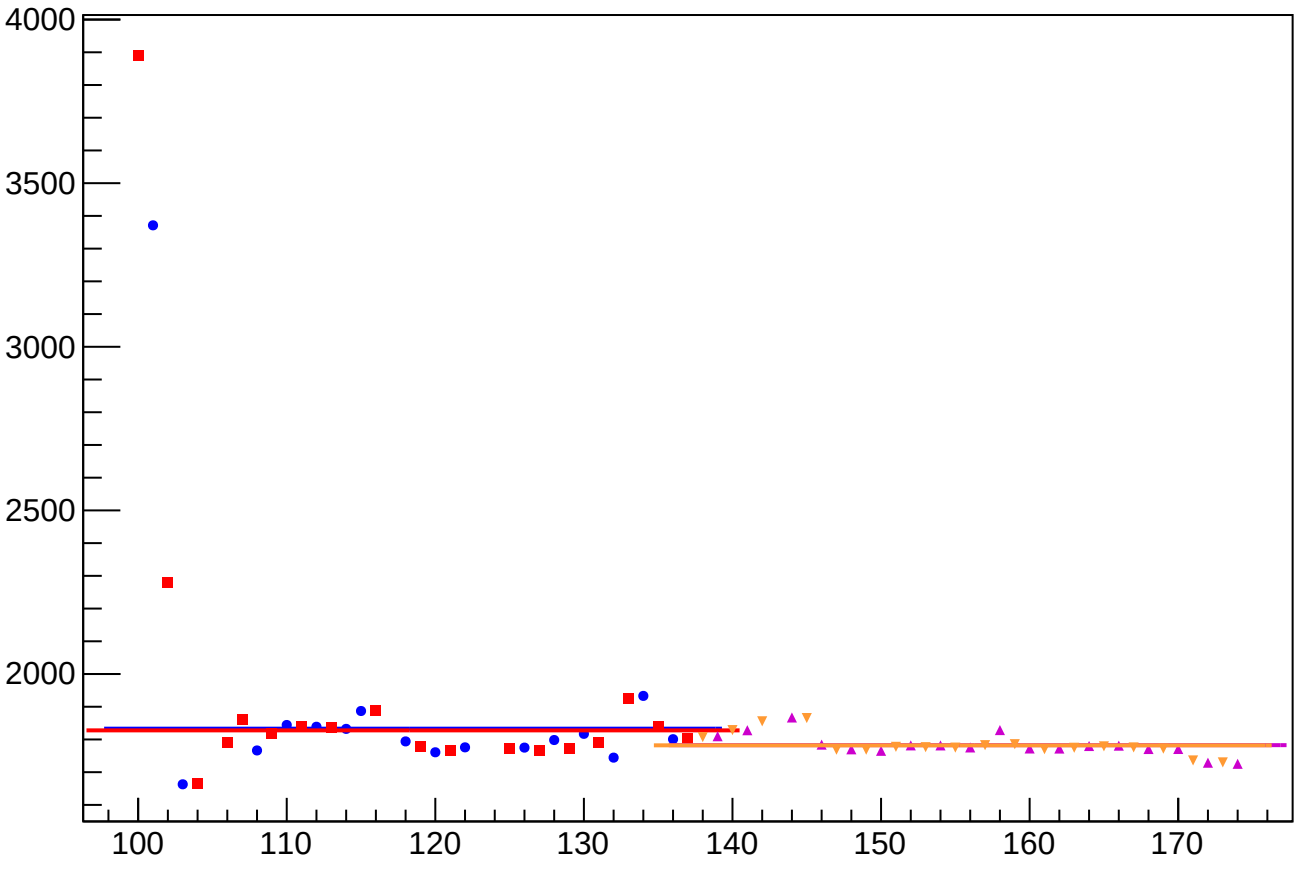
Left: -643.132+/-330.451 χ^2/NDF: 42.0/35

Right: -871.950+/-485.576 χ^2/NDF: 22.3/33

In: -894.828+/-383.815 χ^2/NDF:29.9/33

Out: -531.476+/-388.936 χ^2/NDF:34.1/35

All: -715.560+/-273.191 χ^2/NDF: 64.5/69



Right In: 1832.947+/-0.487 χ^2/NDF: 295441.2/15

Left Out: 1782.067+/-0.334 χ^2/NDF:9007.9/17

Right Out: 1827.785+/-0.484 χ^2/NDF: 102270.3/17

Left In: 1782.605+/-0.327 χ^2/NDF:10256.8/17

Left: 1782.342+/-0.234 χ^2/NDF: 19266.0/35

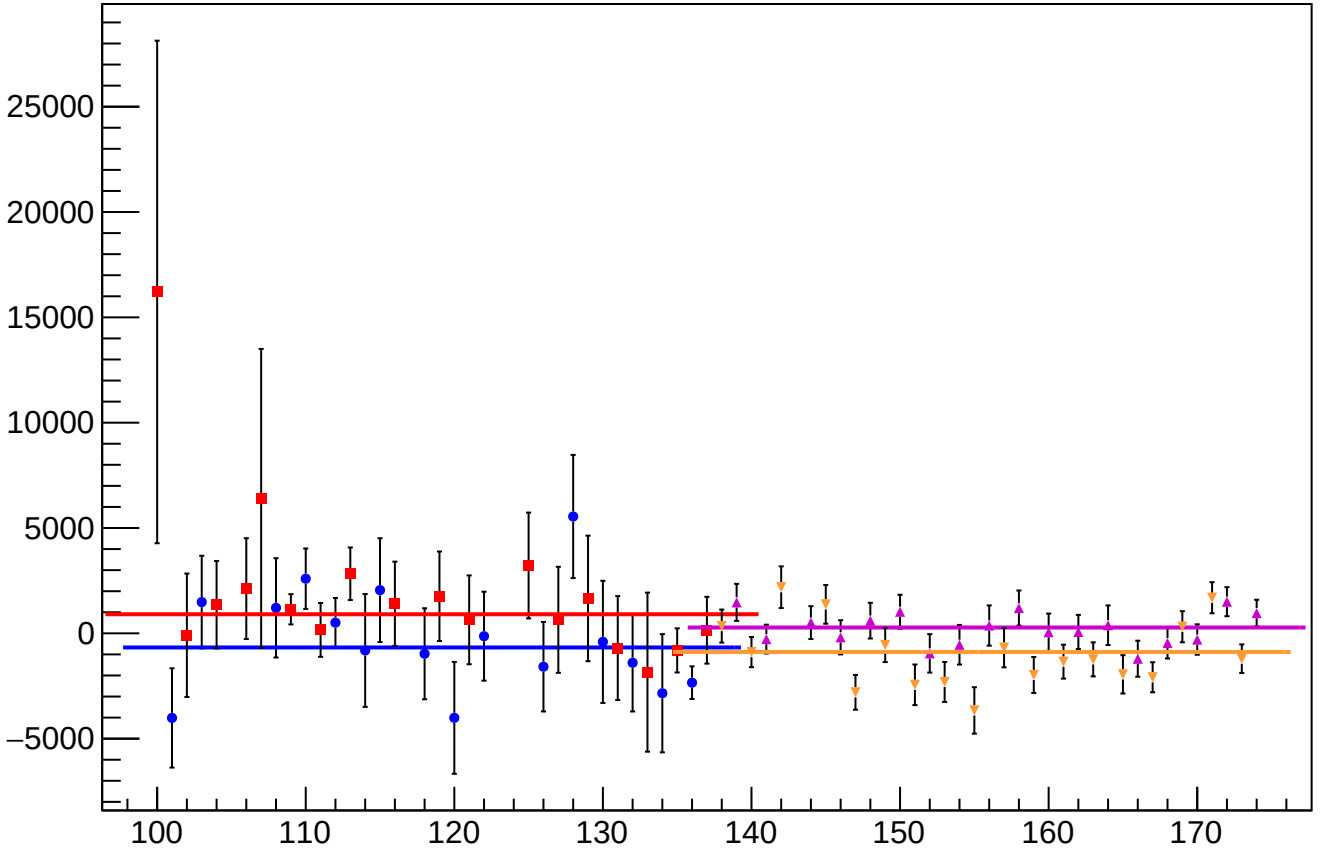
Right: 1830.348+/-0.343 χ^2/NDF: 397768.0/33

In: 1798.226+/-0.271 χ^2/NDF:313061.4/33

Out: 1796.831+/-0.275 χ^2/NDF:117320.4/35

All: 1797.538+/-0.193 χ^2/NDF: 430394.9/69

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -670.539+/-442.505 χ^2/NDF: 22.8/15

Left Out: -883.825+/-194.689 χ^2/NDF:56.3/17

Right Out: 905.874+/-394.814 χ^2/NDF: 10.5/17

Left In: 277.160+/-188.792 χ^2/NDF:16.8/17

Left: -285.481+/-135.533 χ^2/NDF: 91.5/35

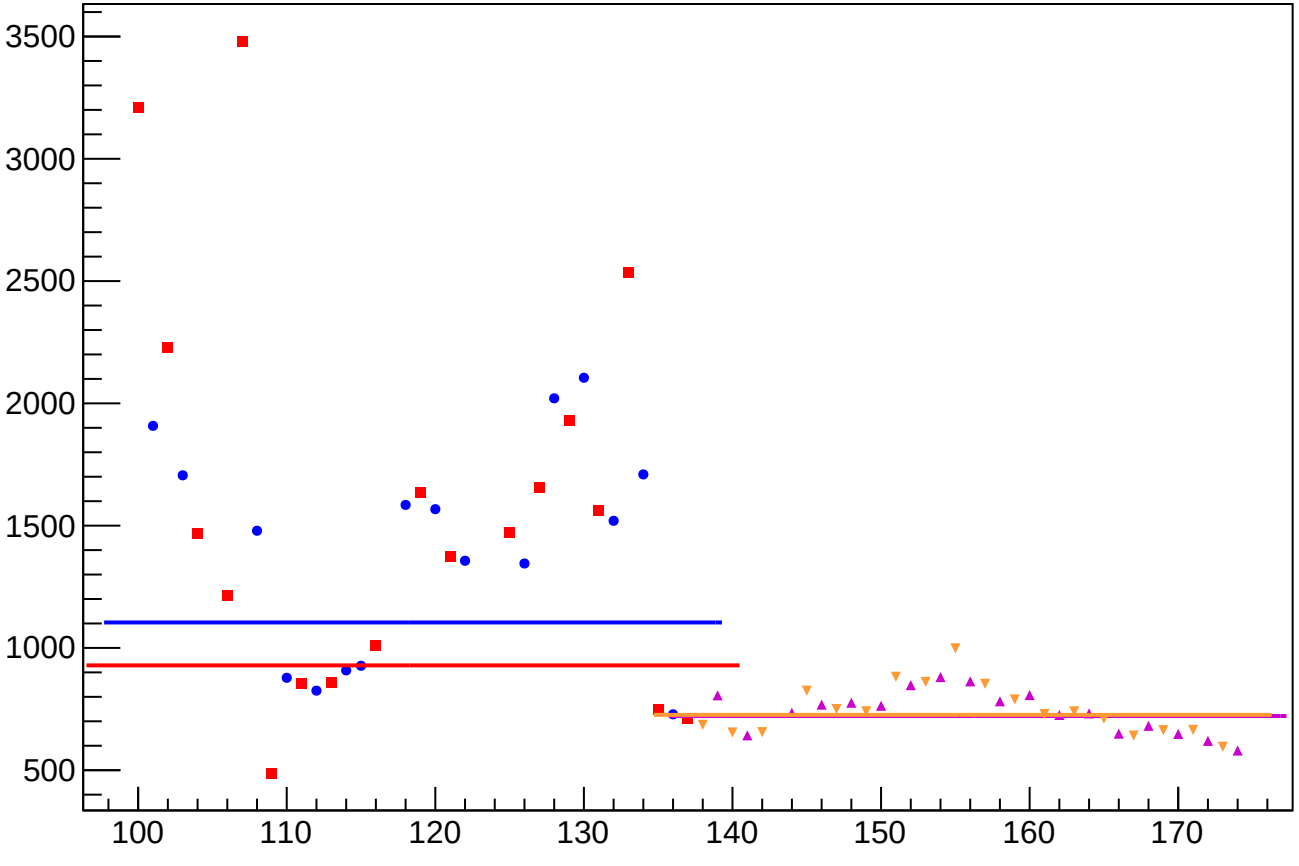
Right: 207.164+/-294.599 χ^2/NDF: 40.3/33

In: 131.221+/-173.648 χ^2/NDF:43.5/33

Out: -533.758+/-174.614 χ^2/NDF:83.4/35

All: -199.425+/-123.128 χ^2/NDF: 134.1/69

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1104.103+/-0.313 χ^2/NDF: 1894482.2/15

Left Out: 726.259+/-0.138 χ^2/NDF:454879.5/17

Right Out: 928.629+/-0.279 χ^2/NDF: 3054381.5/17

Left In: 721.458+/-0.133 χ^2/NDF:418864.9/17

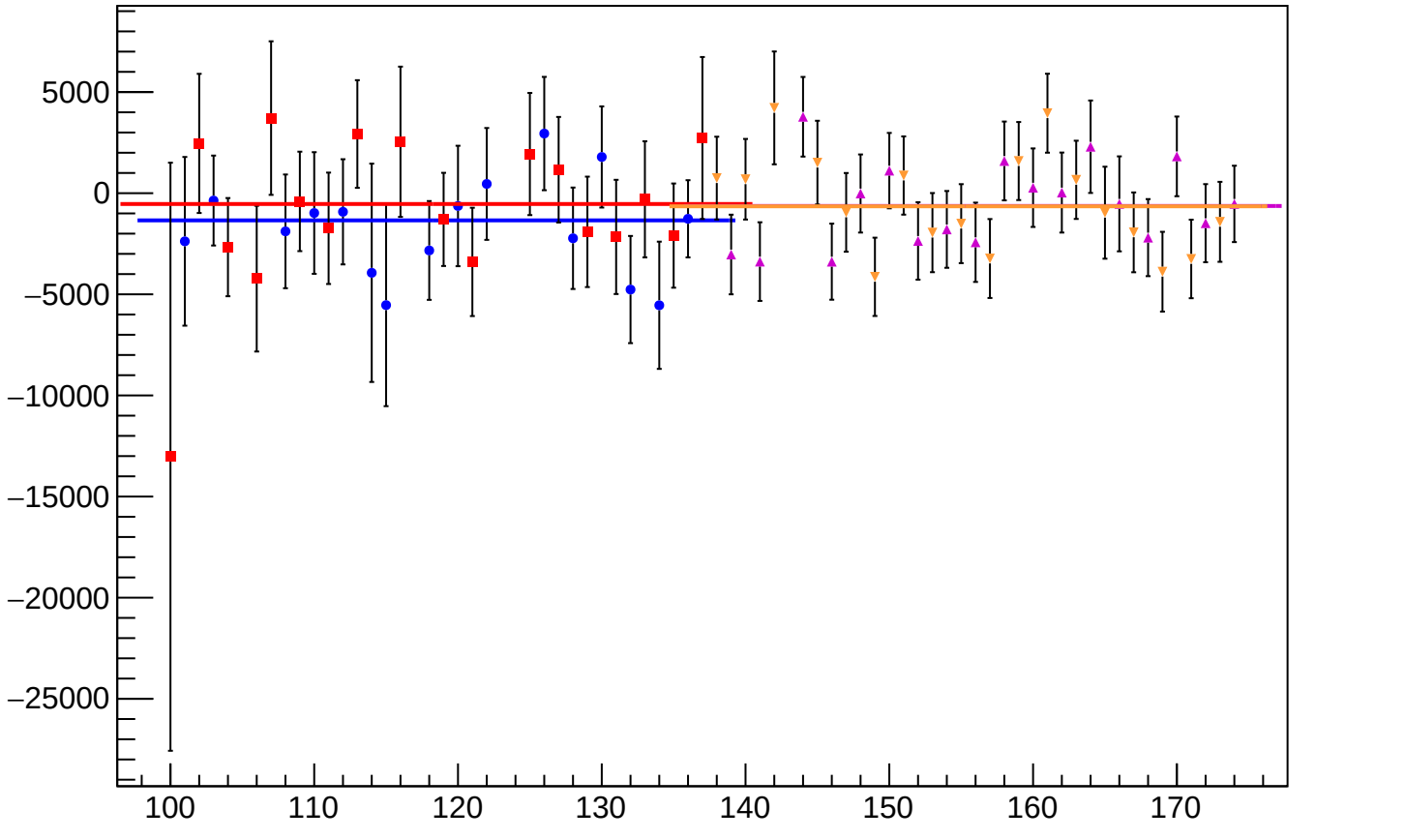
Left: 723.784+/-0.096 χ^2/NDF: 874371.3/35

Right: 1006.404+/-0.208 χ^2/NDF: 5123967.6/33

In: 780.383+/-0.123 χ^2/NDF:3578546.5/33

Out: 765.843+/-0.123 χ^2/NDF:3931937.7/35

All: 773.153+/-0.087 χ^2/NDF: 7517456.4/69



Right In: -1343.952+/-690.940 χ^2/NDF: 9.6/15

Left Out: -648.168+/-473.339 χ^2/NDF:23.8/17

Right Out: -534.194+/-690.970 χ^2/NDF: 11.1/17

Left In: -632.379+/-462.819 χ^2/NDF:19.4/17

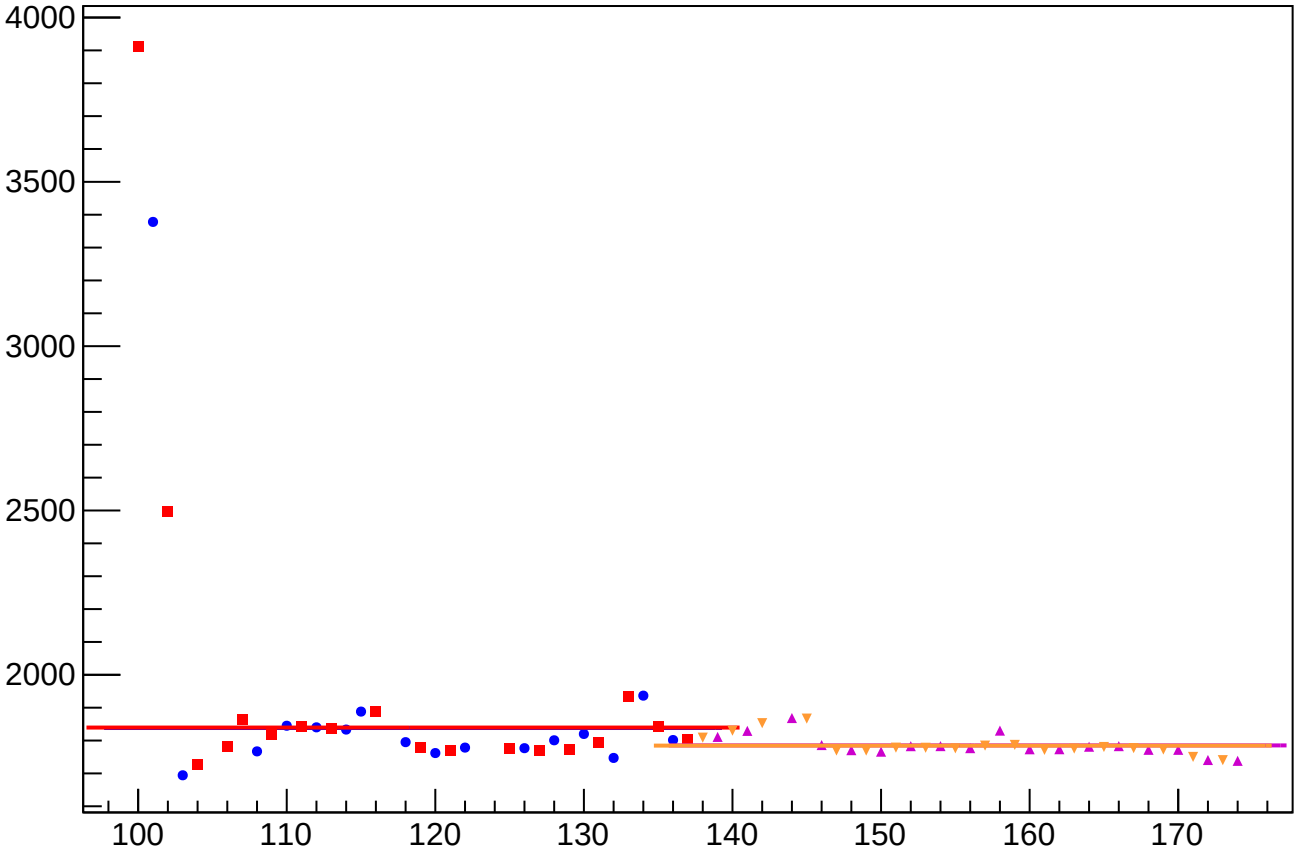
Left: -640.096+/-330.919 χ^2/NDF: 43.1/35

Right: -939.091+/-488.579 χ^2/NDF: 21.4/33

In: -852.767+/-384.525 χ^2/NDF:29.7/33

Out: -611.766+/-390.500 χ^2/NDF:34.9/35

All: -734.124+/-273.988 χ^2/NDF: 64.8/69



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1784.586+/-0.335 χ^2/NDF:7857.2/17

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.5/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

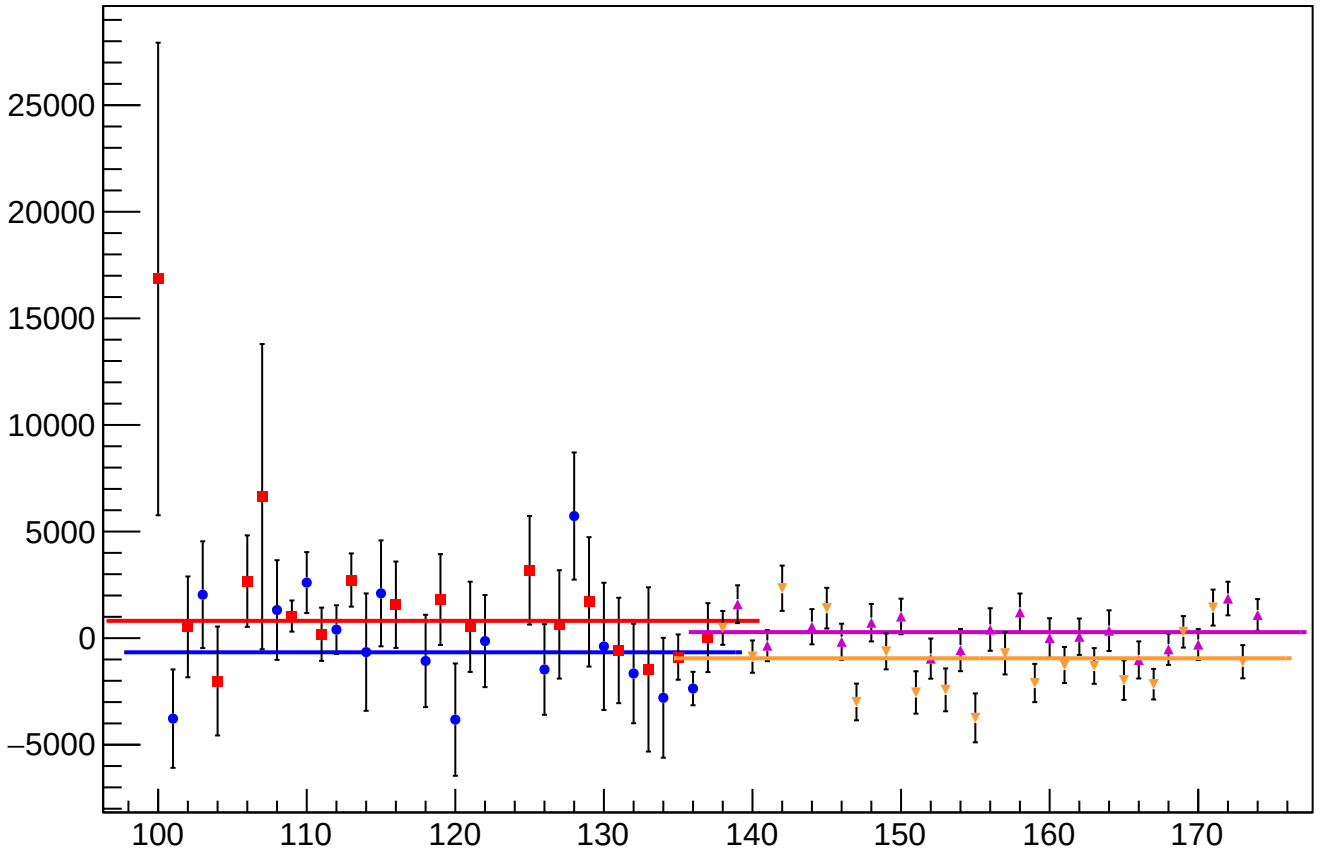
Left: 1784.899+/-0.234 χ^2/NDF: 16884.3/35

Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.602+/-0.272 χ^2/NDF:309120.5/33

Out: 1802.131+/-0.276 χ^2/NDF:144713.6/35

All: 1801.862+/-0.194 χ^2/NDF: 453836.0/69



Right In: -663.489+/-445.903 χ^2/NDF: 22.8/15

Left Out: -943.970+/-204.474 χ^2/NDF:52.4/17

Right Out: 812.187+/-397.187 χ^2/NDF: 12.2/17

Left In: 282.355+/-198.703 χ^2/NDF:17.4/17

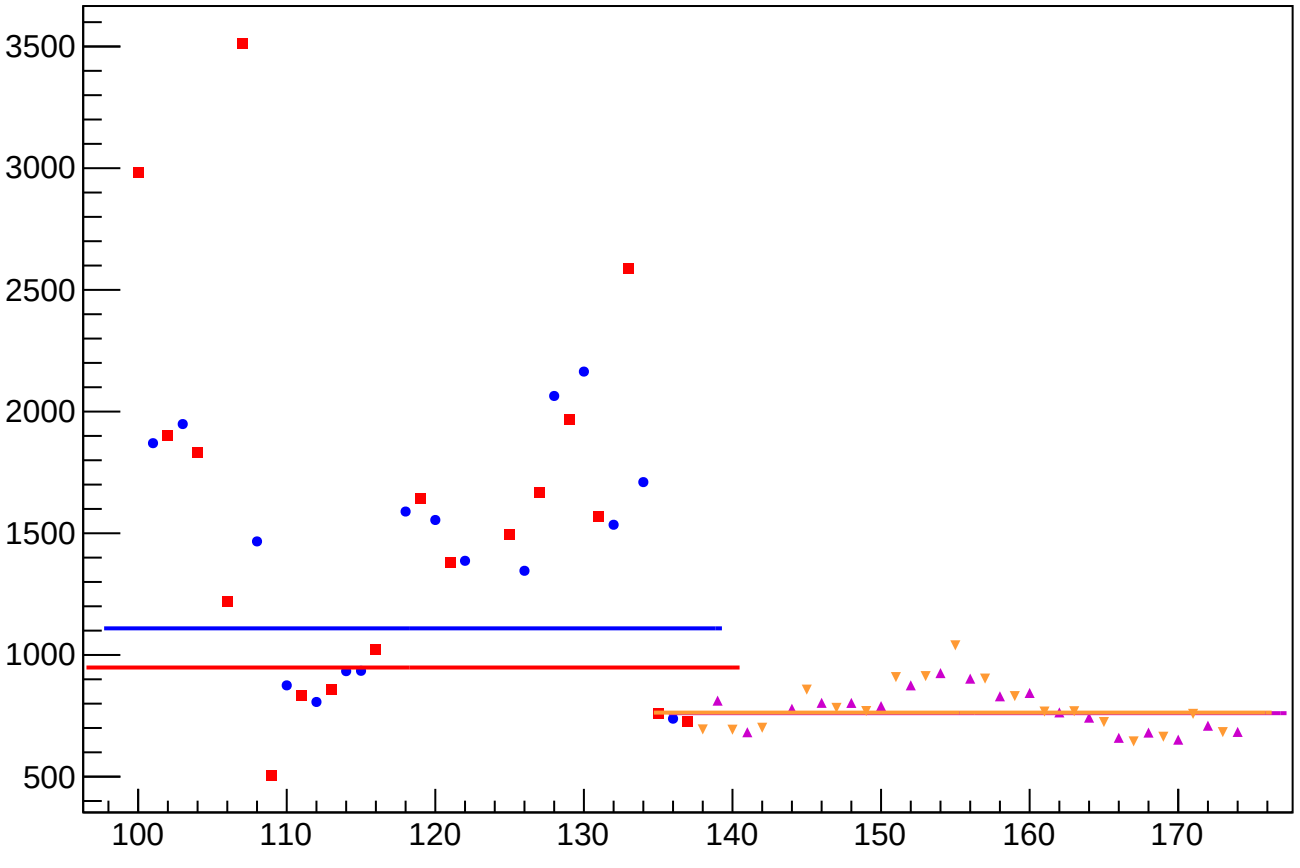
Left: -313.258+/-142.501 χ^2/NDF: 88.2/35

Right: 159.335+/-296.587 χ^2/NDF: 41.1/33

In: 125.651+/-181.498 χ^2/NDF:43.9/33

Out: -576.053+/-181.798 χ^2/NDF:80.1/35

All: -224.622+/-128.444 χ^2/NDF: 131.4/69



Right In: 1109.362+/-0.315 χ^2/NDF: 1973363.9/15

Left Out: 763.179+/-0.145 χ^2/NDF:430265.5/17

Right Out: 948.438+/-0.281 χ^2/NDF: 3053670.4/17

Left In: 760.856+/-0.141 χ^2/NDF:323190.4/17

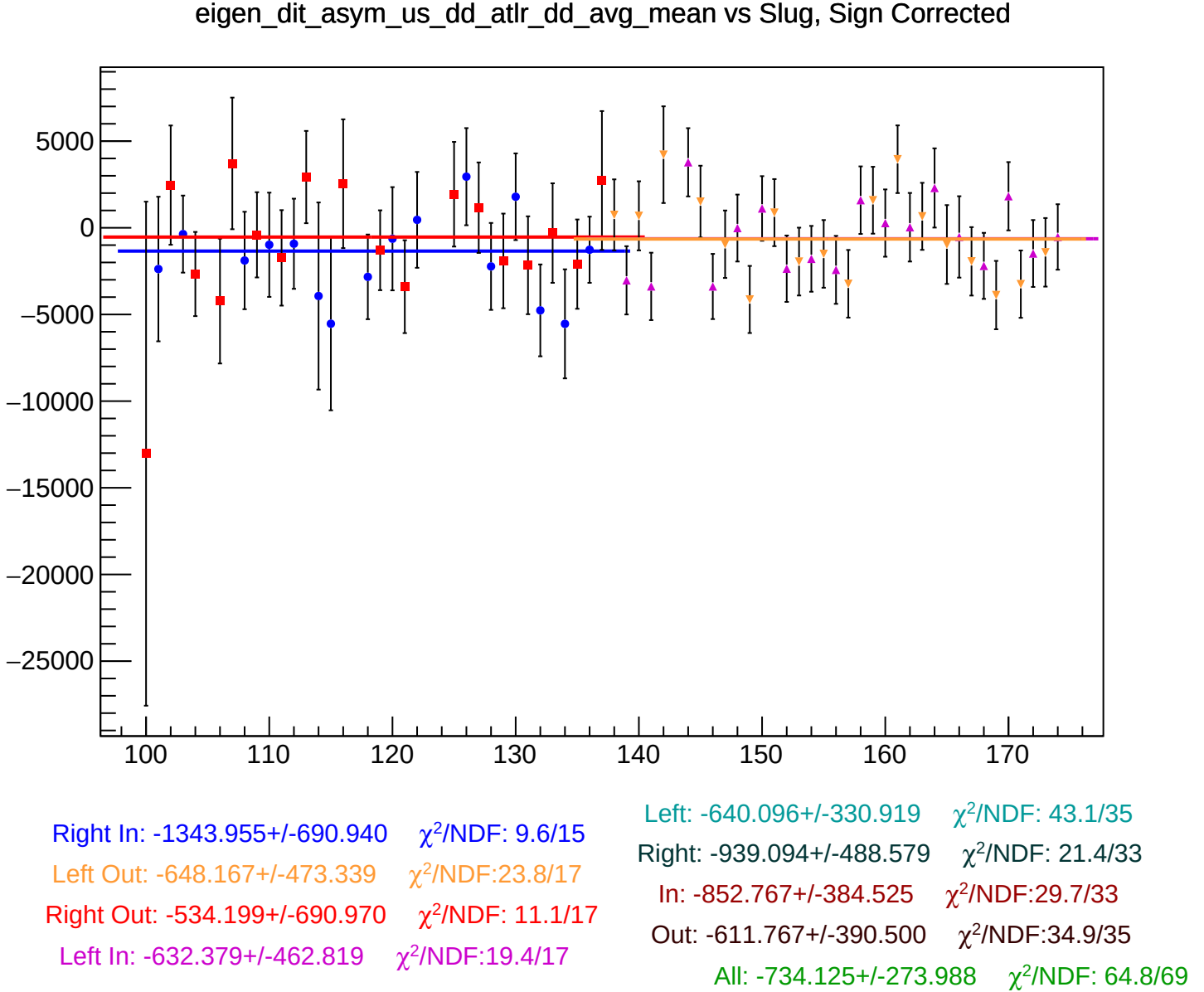
Left: 761.984+/-0.101 χ^2/NDF: 753588.7/35

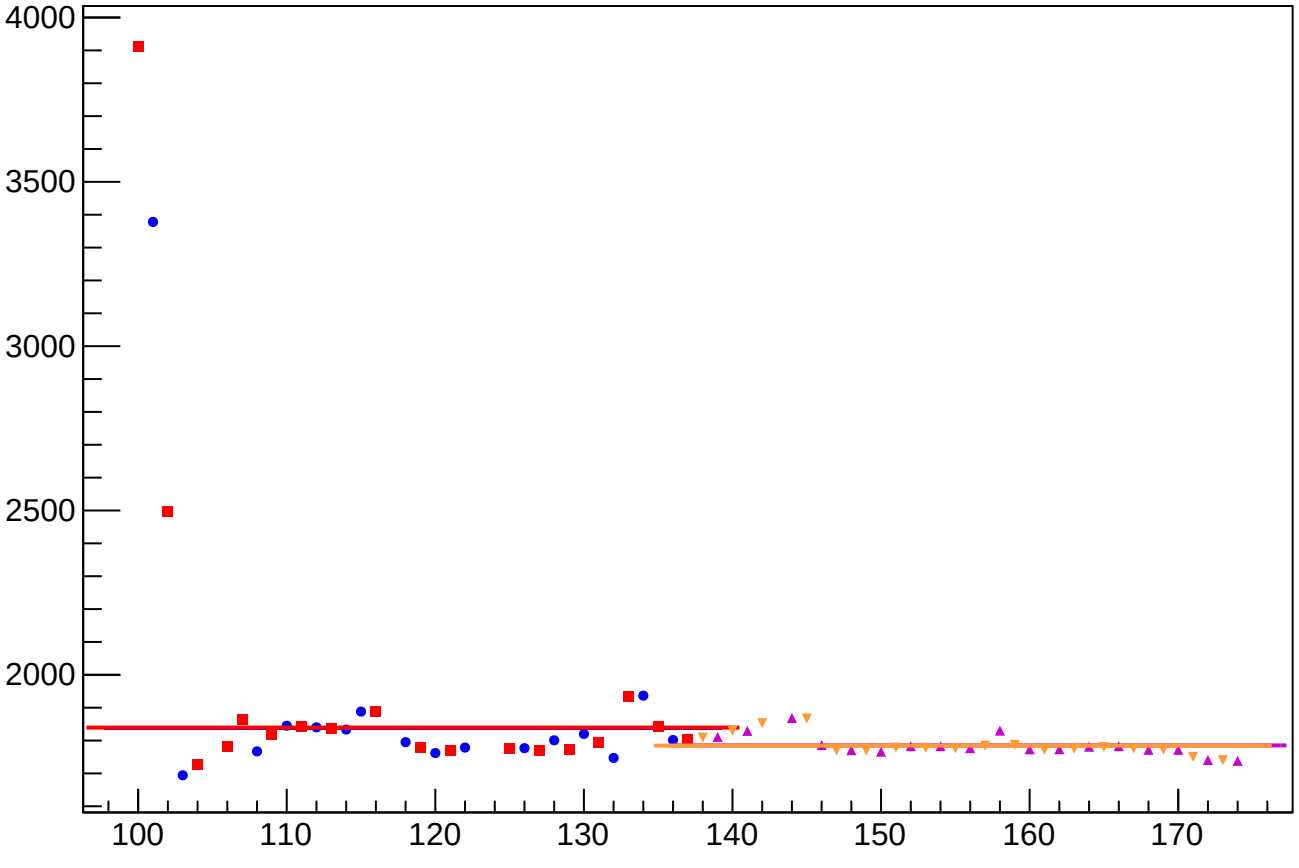
Right: 1019.632+/-0.210 χ^2/NDF: 5172280.0/33

In: 818.595+/-0.128 χ^2/NDF:3315856.9/33

Out: 801.991+/-0.129 χ^2/NDF:3827891.9/35

All: 810.307+/-0.091 χ^2/NDF: 7152104.6/69


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
110
120
130
140
150
160
170
Right In: -1343.955+/-690.940 χ²/NDF: 9.6/15
Left Out: -648.167+/-473.339 χ²/NDF:23.8/17
Right Out: -534.199+/-690.970 χ²/NDF: 11.1/17
Left In: -632.379+/-462.819 χ²/NDF:19.4/17
Left: -640.096+/-330.919 χ²/NDF: 43.1/35
Right: -939.094+/-488.579 χ²/NDF: 21.4/33
In: -852.767+/-384.525 χ²/NDF:29.7/33
Out: -611.767+/-390.500 χ²/NDF:34.9/35
All: -734.125+/-273.988 χ²/NDF: 64.8/69



Right In: 1838.159+/-0.489 χ^2/NDF: 291984.0/15

Left Out: 1784.586+/-0.335 χ^2/NDF:7857.3/17

Right Out: 1839.517+/-0.489 χ^2/NDF: 128253.6/17

Left In: 1785.199+/-0.327 χ^2/NDF:9025.4/17

Left: 1784.899+/-0.234 χ^2/NDF: 16884.4/35

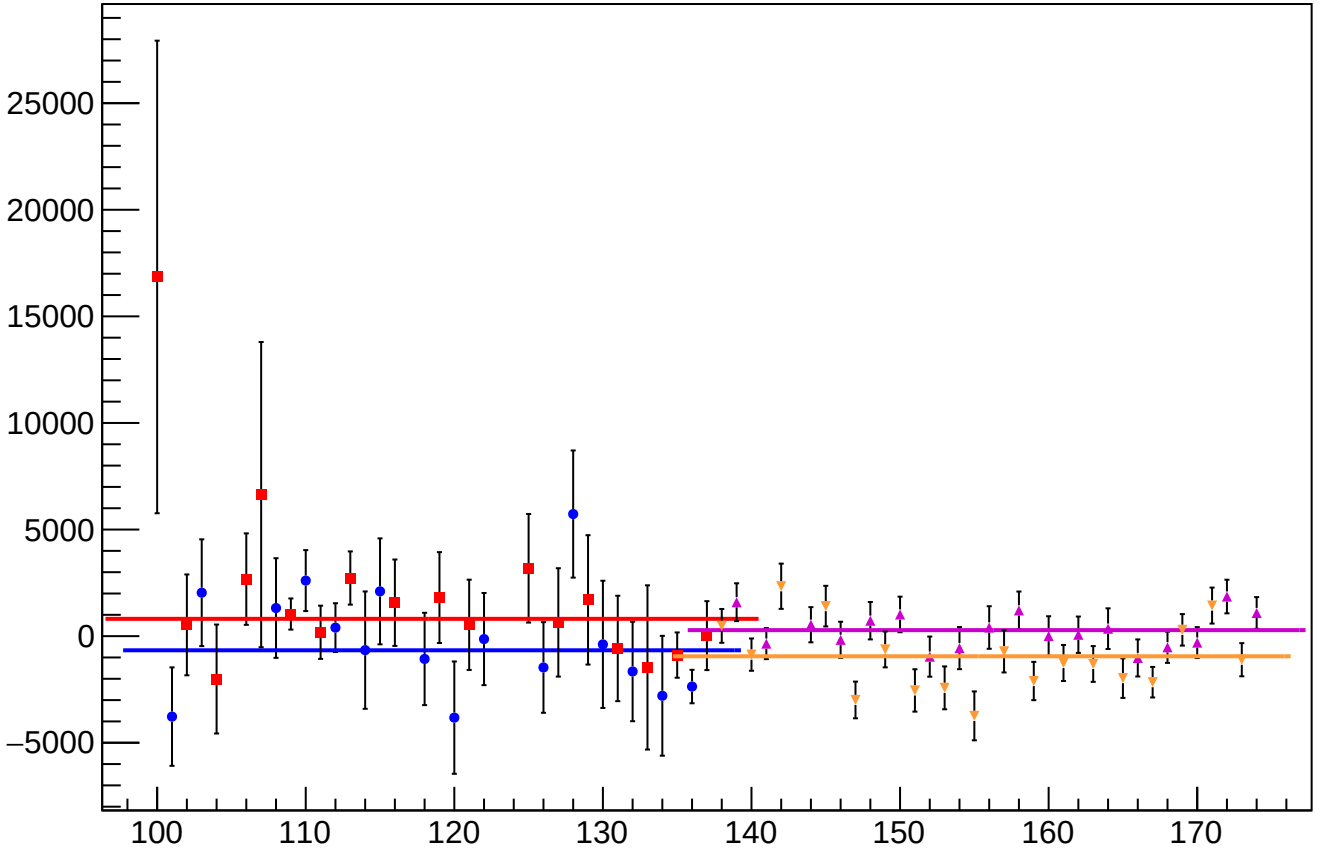
Right: 1838.838+/-0.345 χ^2/NDF: 420241.4/33

In: 1801.602+/-0.272 χ^2/NDF:309120.5/33

Out: 1802.131+/-0.276 χ^2/NDF:144713.7/35

All: 1801.862+/-0.194 χ^2/NDF: 453836.1/69

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -663.476+/-445.904 χ^2/NDF: 22.8/15

Left Out: -943.973+/-204.474 χ^2/NDF:52.4/17

Right Out: 812.194+/-397.187 χ^2/NDF: 12.2/17

Left In: 282.352+/-198.703 χ^2/NDF:17.4/17

Left: -313.260+/-142.501 χ^2/NDF: 88.2/35

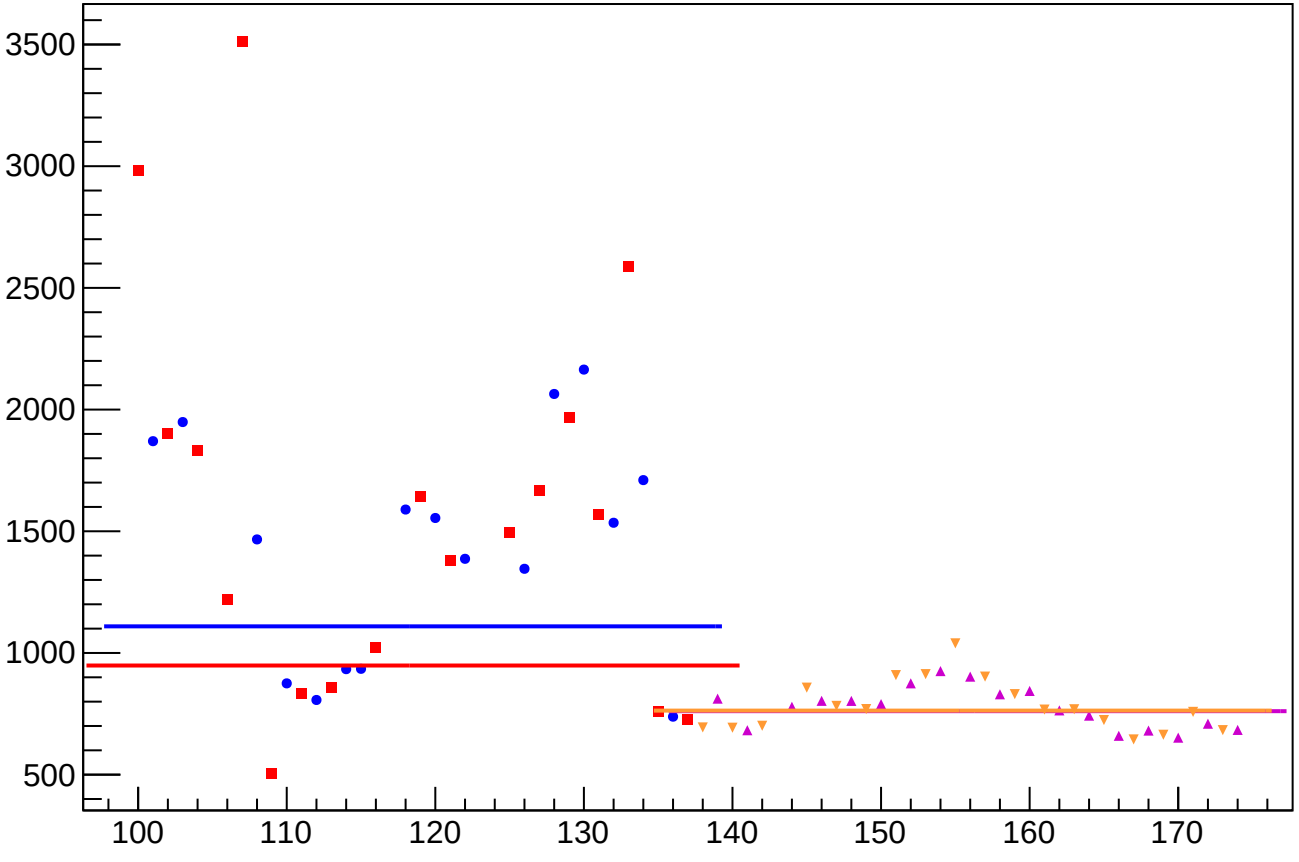
Right: 159.344+/-296.588 χ^2/NDF: 41.1/33

In: 125.651+/-181.498 χ^2/NDF:43.9/33

Out: -576.054+/-181.798 χ^2/NDF:80.1/35

All: -224.622+/-128.444 χ^2/NDF: 131.4/69

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1109.365+/-0.315 χ^2/NDF: 1973324.5/15

Left Out: 763.179+/-0.145 χ^2/NDF:430257.8/17

Right Out: 948.441+/-0.281 χ^2/NDF: 3053644.5/17

Left In: 760.856+/-0.141 χ^2/NDF:323198.2/17

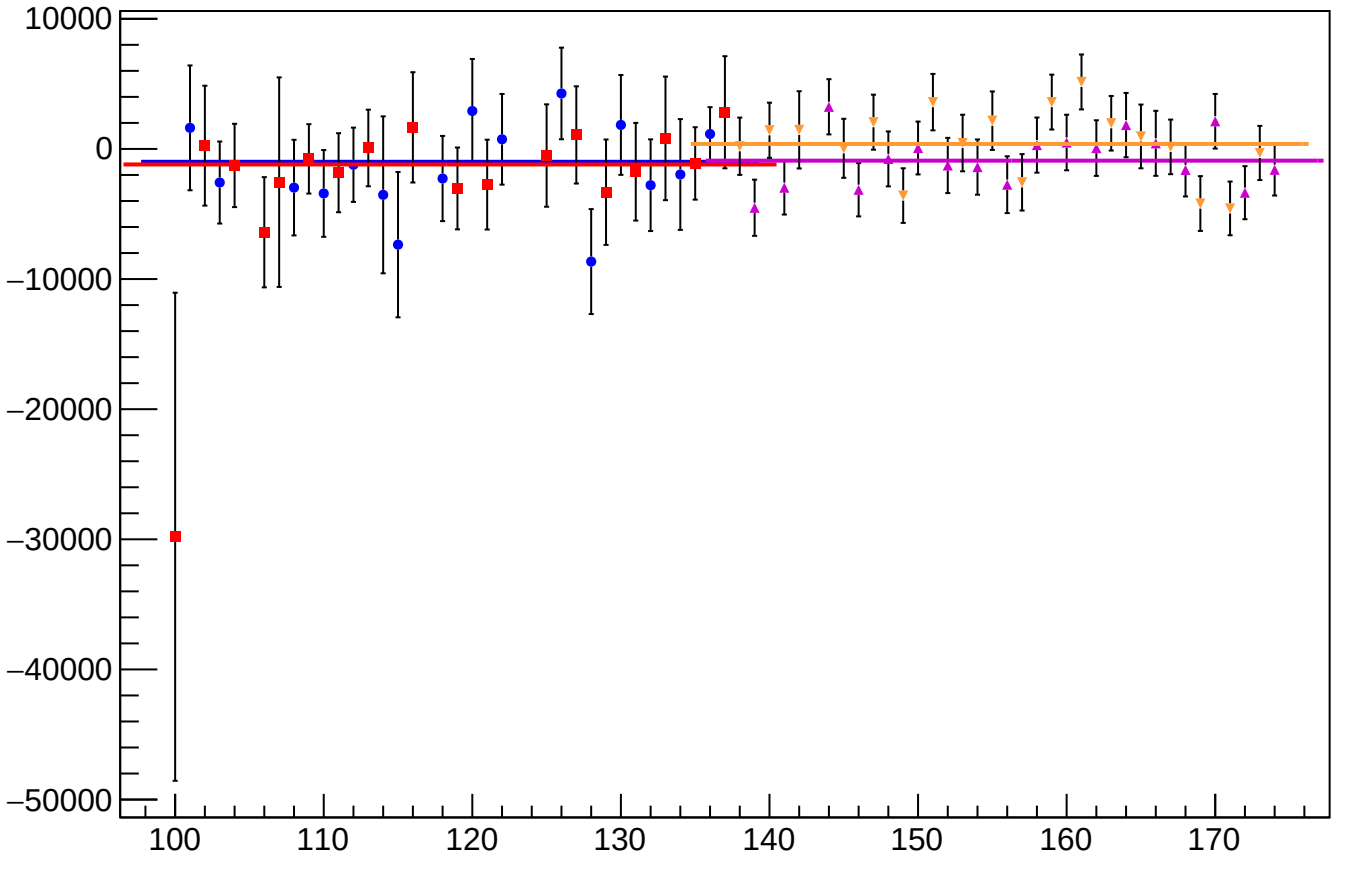
Left: 761.984+/-0.101 χ^2/NDF: 753588.8/35

Right: 1019.635+/-0.210 χ^2/NDF: 5172215.4/33

In: 818.595+/-0.128 χ^2/NDF:3315841.5/33

Out: 801.992+/-0.129 χ^2/NDF:3827863.8/35

All: 810.307+/-0.091 χ^2/NDF: 7152060.3/69



Right In: -987.532+/-873.840 χ^2/NDF: 12.0/15

Left Out: 383.345+/-514.099 χ^2/NDF:27.9/17

Right Out: -1192.173+/-870.432 χ^2/NDF: 7.0/17

Left In: -900.280+/-501.440 χ^2/NDF:16.1/17

Left: -274.466+/-358.963 χ^2/NDF: 47.2/35

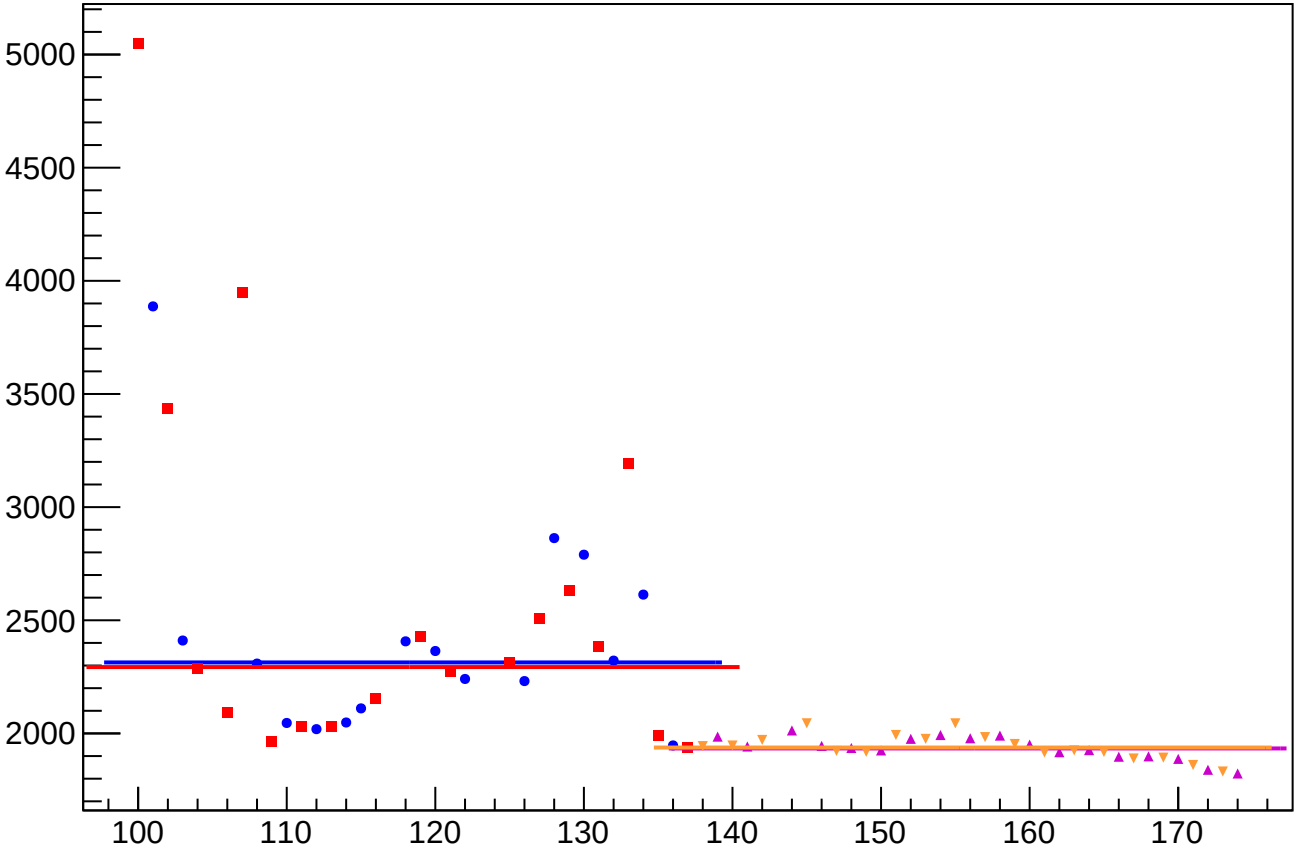
Right: -1090.252+/-616.690 χ^2/NDF: 19.0/33

In: -921.894+/-434.920 χ^2/NDF:28.1/33

Out: -24.117+/-442.656 χ^2/NDF:37.3/35

All: -480.919+/-310.234 χ^2/NDF: 67.5/69

asym_us_dd_atlr_dd_avg_rms vs Slug, Sign Corrected



Right In: 2313.740+/-0.618 χ^2/NDF: 402756.6/15

Left Out: 1937.669+/-0.364 χ^2/NDF:22821.0/17

Right Out: 2293.273+/-0.615 χ^2/NDF: 453202.3/17

Left In: 1933.659+/-0.355 χ^2/NDF:21525.4/17

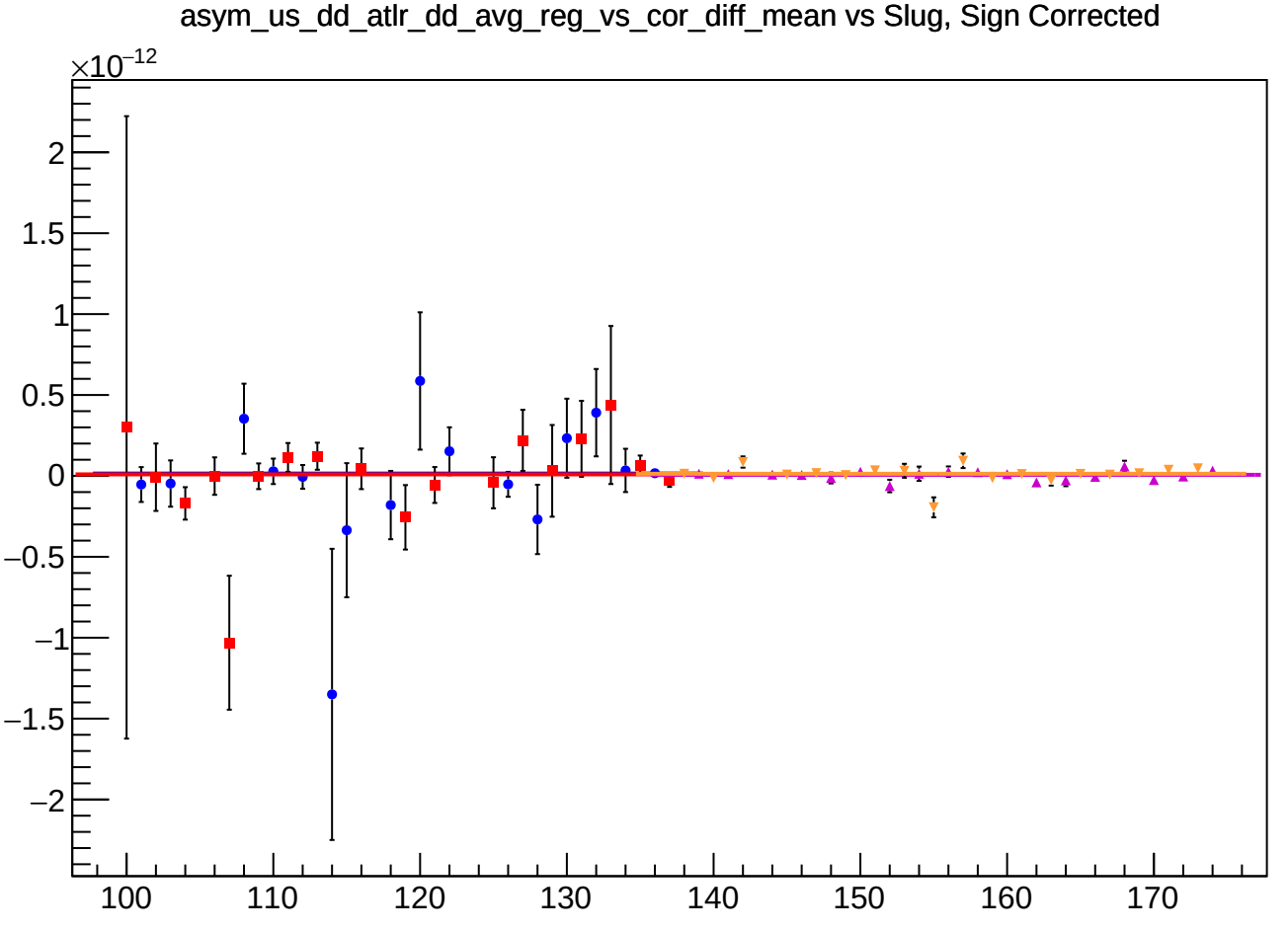
Left: 1935.614+/-0.254 χ^2/NDF: 44408.7/35

Right: 2303.467+/-0.436 χ^2/NDF: 856509.6/33

In: 2027.812+/-0.308 χ^2/NDF:708927.3/33

Out: 2029.637+/-0.313 χ^2/NDF:723503.7/35

All: 2028.708+/-0.219 χ^2/NDF: 1432448.3/69



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

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/17

Left In: 0.000+/-0.000 χ^2/NDF:14.7/17

Left: 0.000+/-0.000 χ^2/NDF: 43.8/35

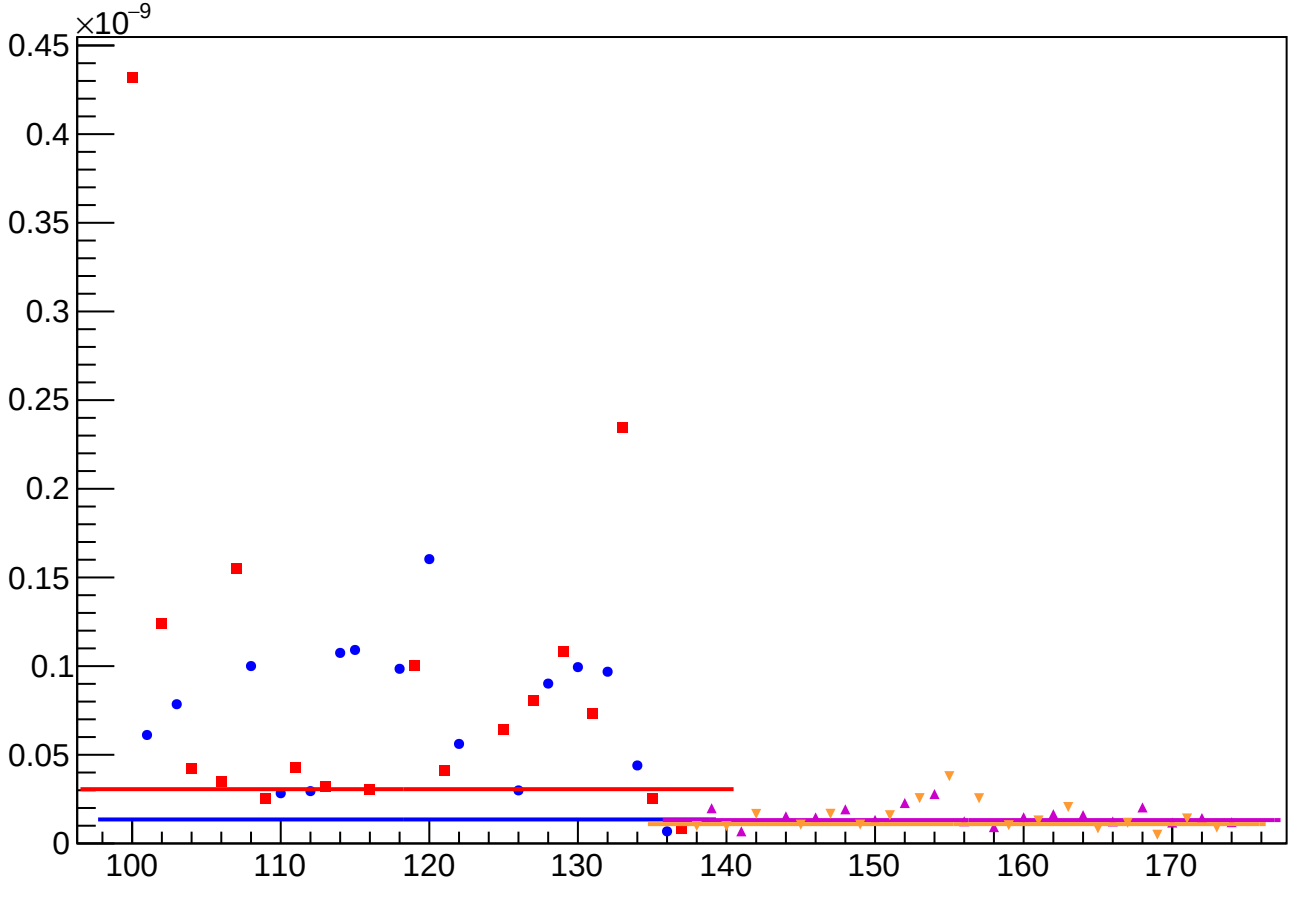
Right: 0.000+/-0.000 χ^2/NDF: 34.5/33

In: 0.000+/-0.000 χ^2/NDF:30.0/33

Out: 0.000+/-0.000 χ^2/NDF:48.0/35

All: 0.000+/-0.000 χ^2/NDF: 78.4/69

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:1721437.7/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2349183.7/17

Left In: 0.000+/-0.000 χ^2/NDF:1148249.6/17

Left: 0.000+/-0.000 χ^2/NDF: 3027640.7/35

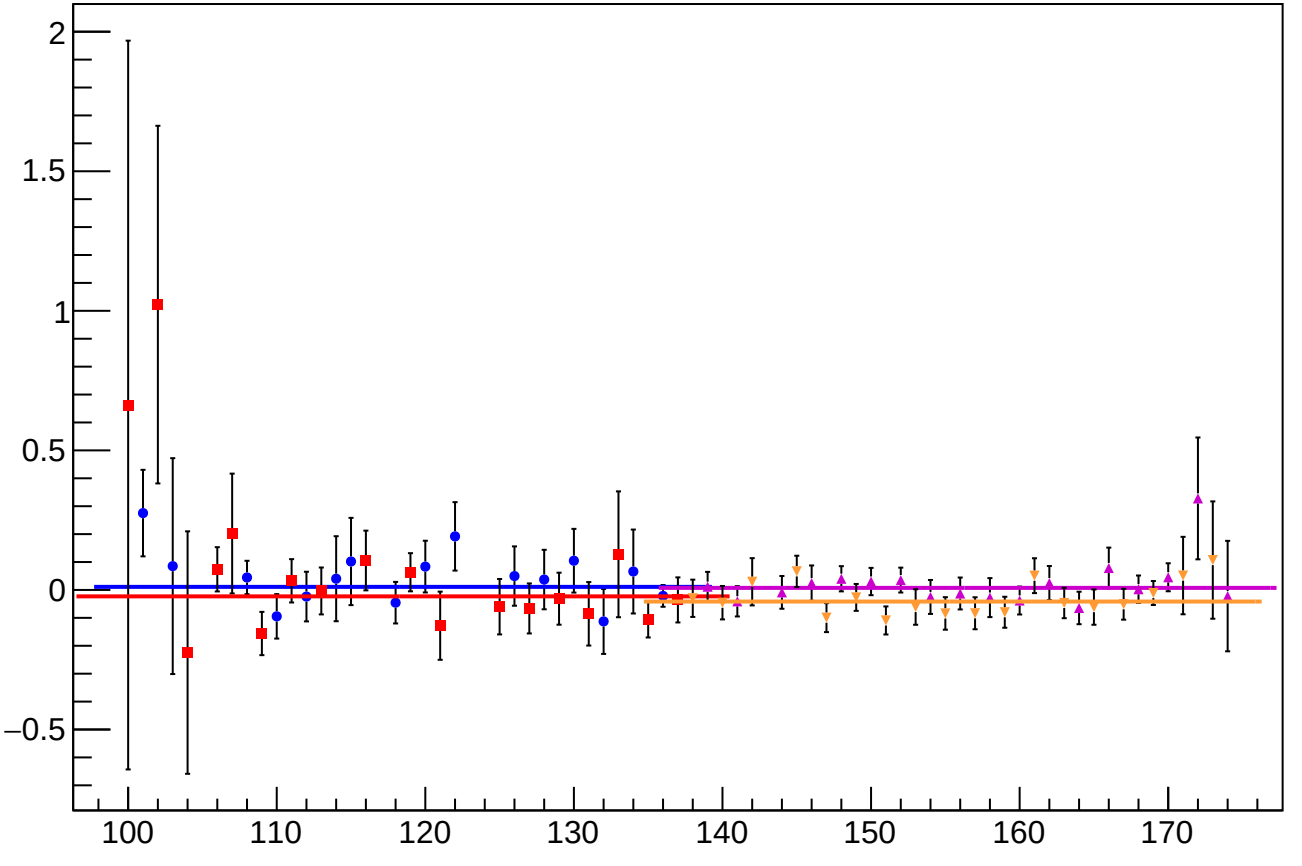
Right: 0.000+/-0.000 χ^2/NDF: 6517274.2/33

In: 0.000+/-0.000 χ^2/NDF:4565410.6/33

Out: 0.000+/-0.000 χ^2/NDF:5345334.7/35

All: 0.000+/-0.000 χ^2/NDF: 9976100.3/69

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

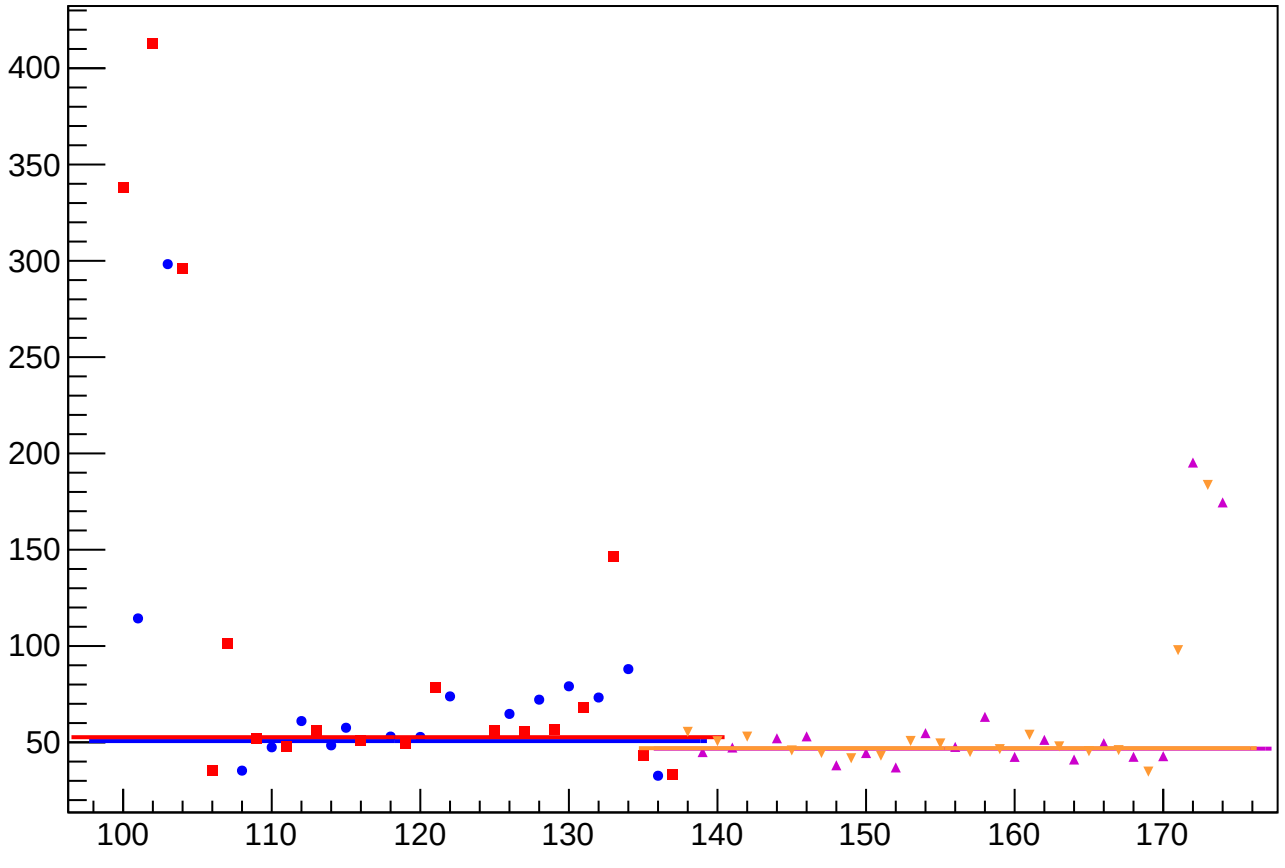
Left: -0.016+/-0.010 χ^2/NDF: 28.2/35

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/69



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.962+/-0.010 χ^2/NDF:1406569.0/17

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.711+/-0.010 χ^2/NDF:2196174.2/17

Left: 46.833+/-0.007 χ^2/NDF: 3603076.6/35

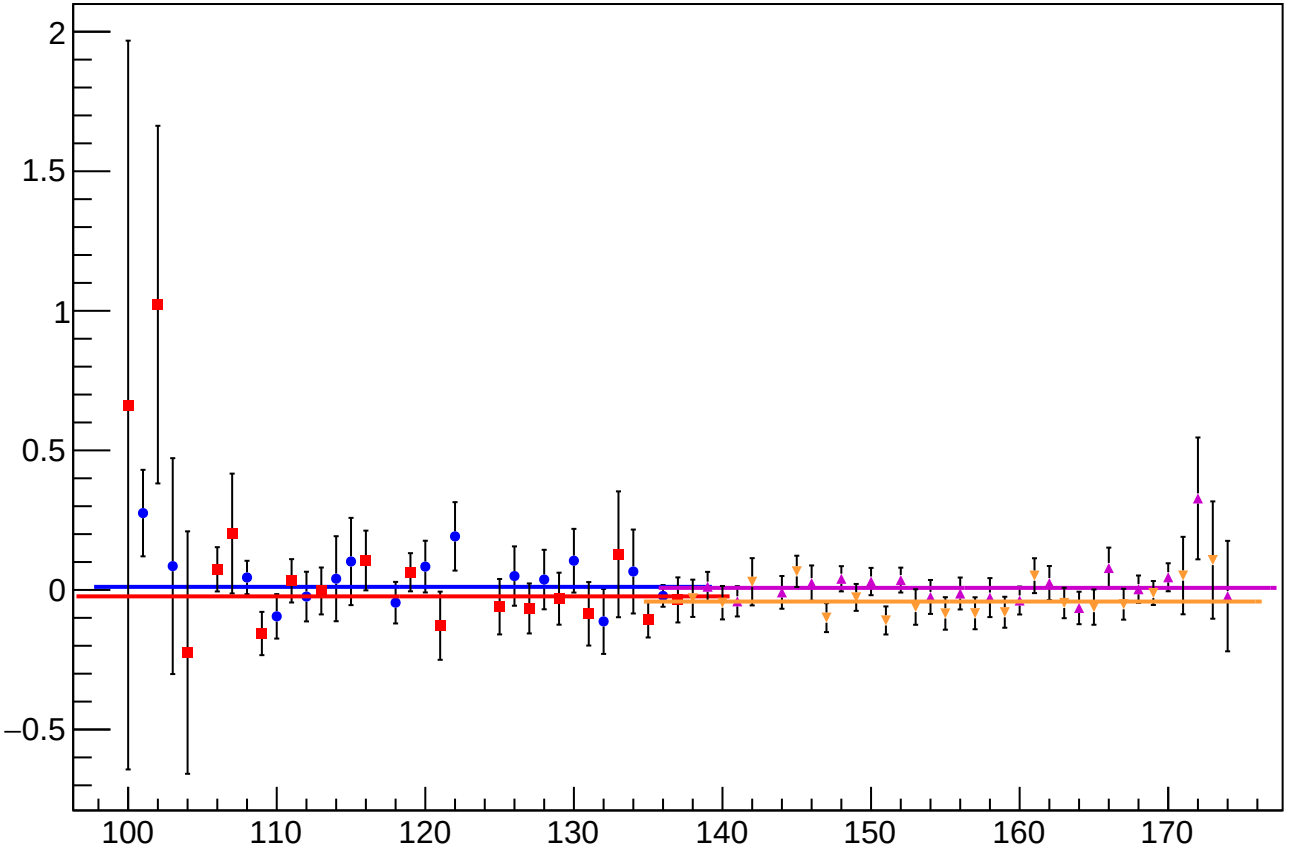
Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

In: 47.804+/-0.008 χ^2/NDF:4509359.6/33

Out: 48.490+/-0.008 χ^2/NDF:3707696.9/35

All: 48.134+/-0.006 χ^2/NDF: 8220468.7/69

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 16.0/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

Left: -0.016+/-0.010 χ^2/NDF: 28.2/35

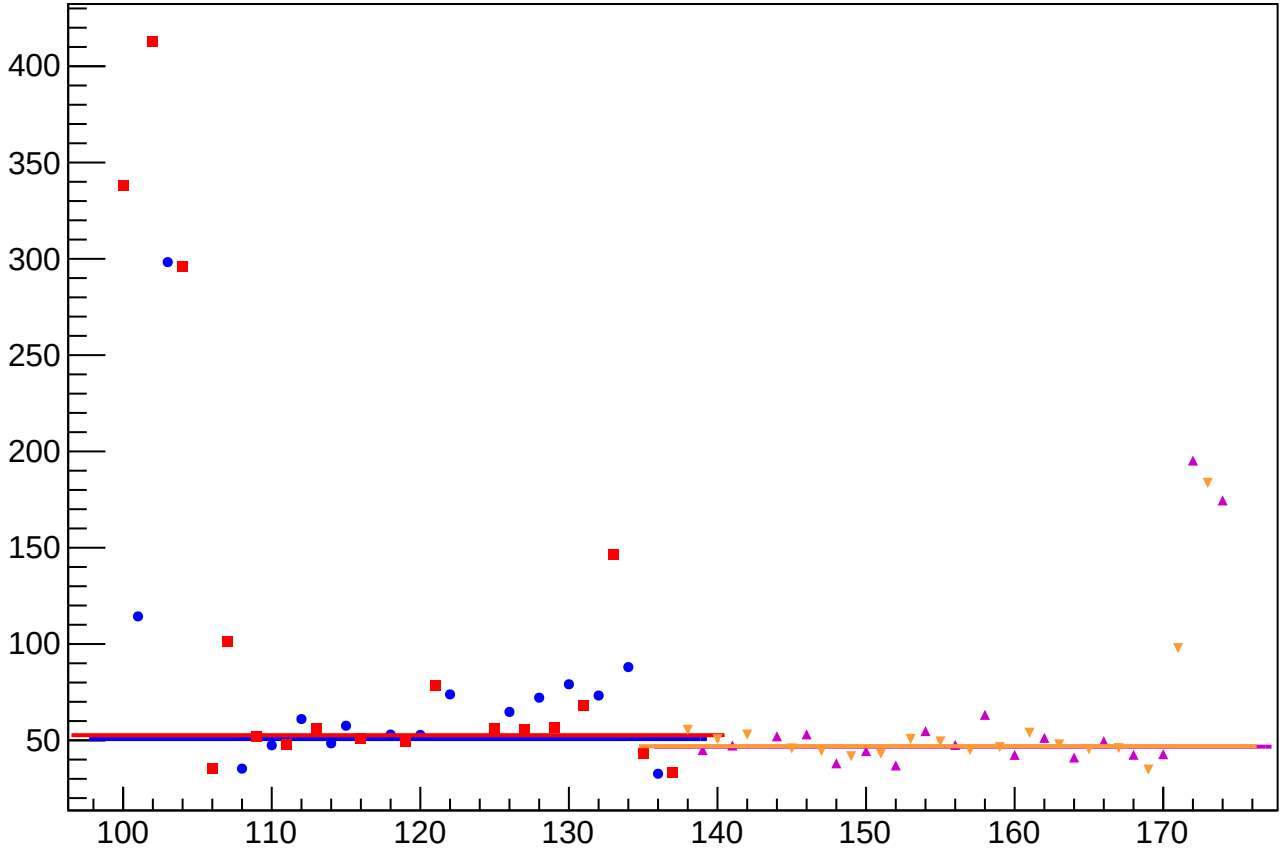
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/69

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.645+/-0.015 χ^2/NDF: 2266445.6/15

Left Out: 46.962+/-0.010 χ^2/NDF:1406569.0/17

Right Out: 52.666+/-0.016 χ^2/NDF: 2211938.1/17

Left In: 46.711+/-0.010 χ^2/NDF:2196174.2/17

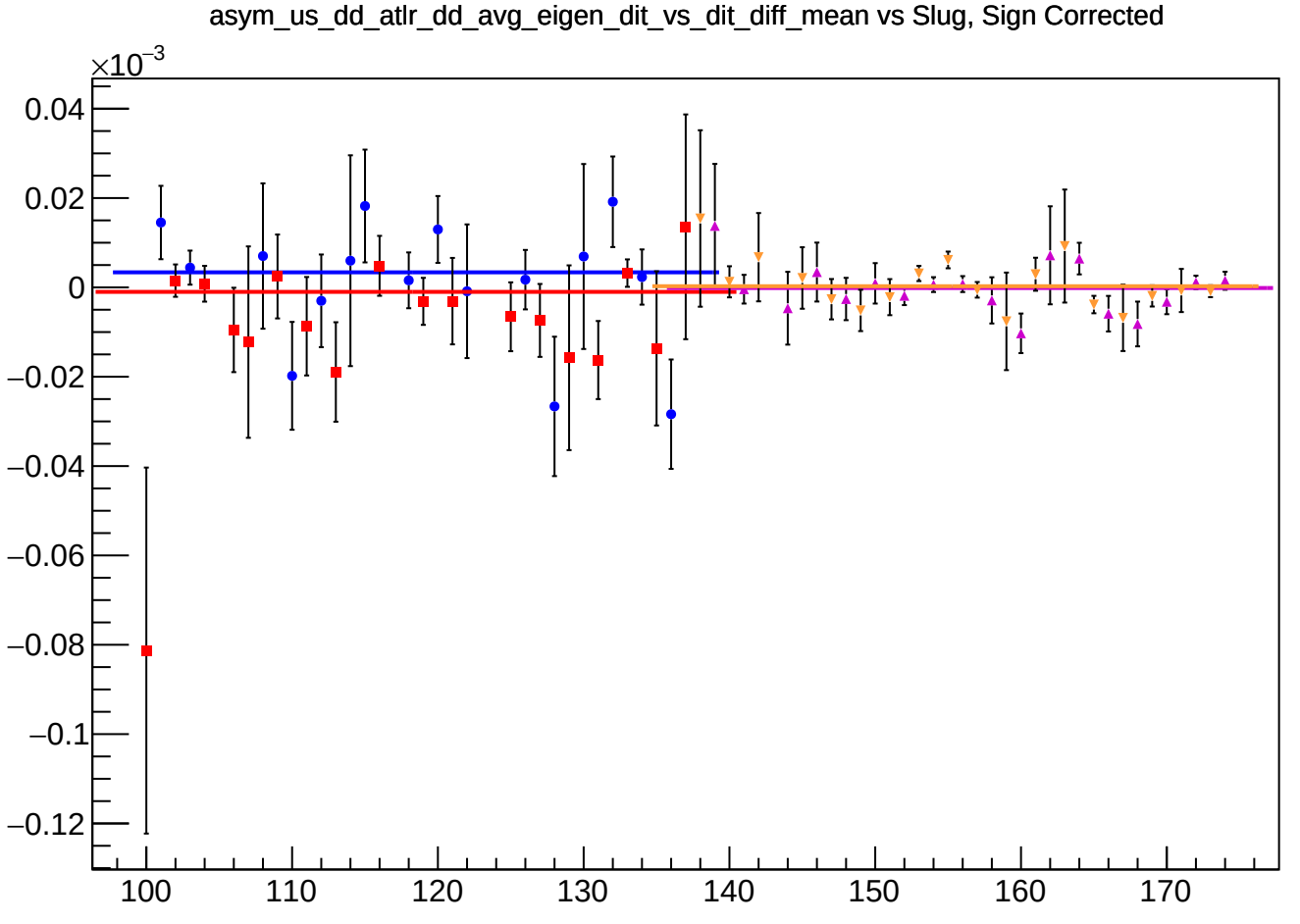
Left: 46.833+/-0.007 χ^2/NDF: 3603076.6/35

Right: 51.600+/-0.011 χ^2/NDF: 4486449.2/33

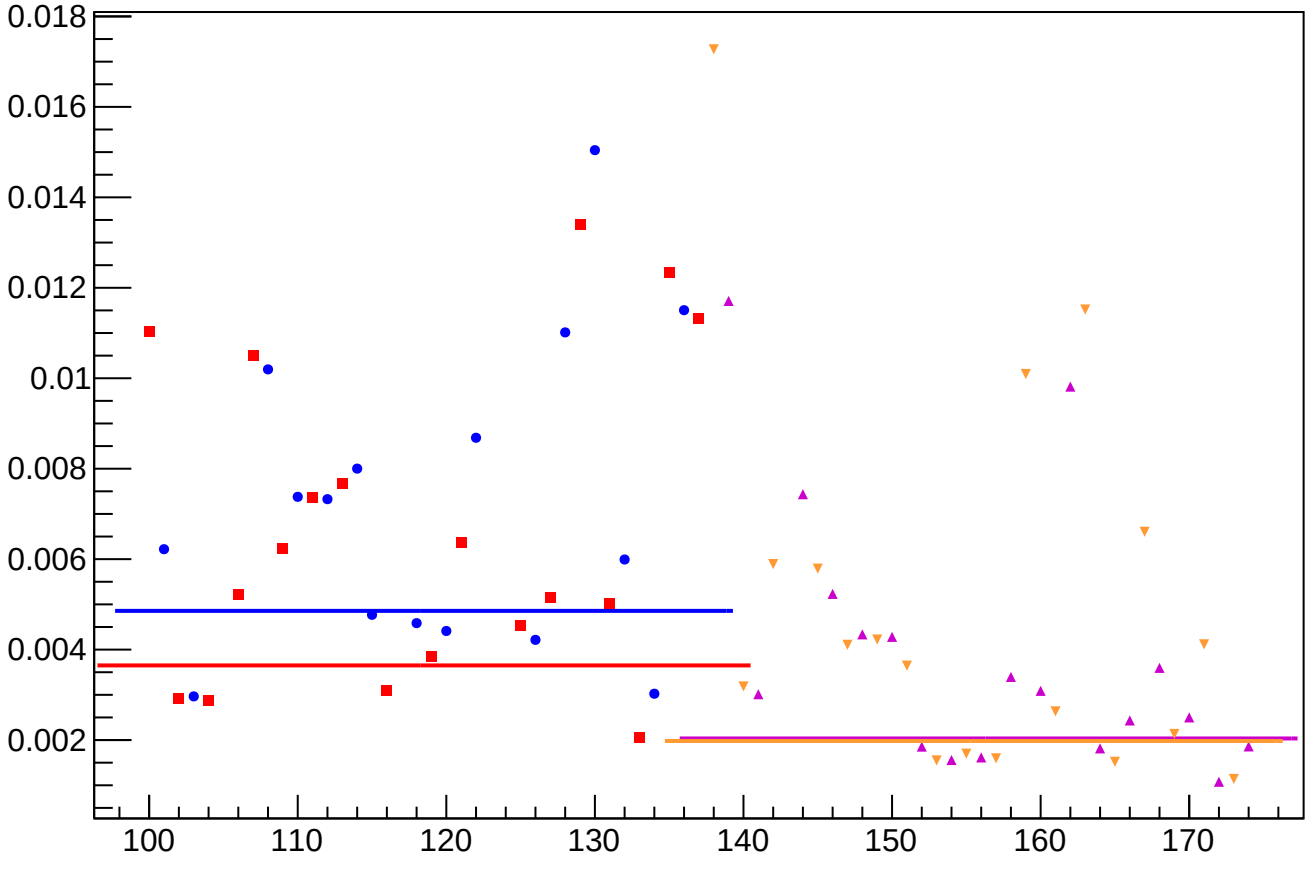
In: 47.804+/-0.008 χ^2/NDF:4509359.6/33

Out: 48.490+/-0.008 χ^2/NDF:3707696.9/35

All: 48.134+/-0.006 χ^2/NDF: 8220468.7/69


asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 22.2/15
Left Out: 0.000+/-0.000 χ²/NDF:24.7/17
Right Out: -0.000+/-0.000 χ²/NDF: 17.2/17
Left In: -0.000+/-0.000 χ²/NDF:19.8/17
Left: 0.000+/-0.000 χ²/NDF: 44.6/35
Right: 0.000+/-0.000 χ²/NDF: 42.3/33
In: 0.000+/-0.000 χ²/NDF:44.5/33
Out: 0.000+/-0.000 χ²/NDF:42.5/35
All: 0.000+/-0.000 χ²/NDF: 87.0/69

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2745089.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:8274161.5/17

Right Out: 0.004+/-0.000 χ^2/NDF: 3108848.8/17

Left In: 0.002+/-0.000 χ^2/NDF:6120248.3/17

Left: 0.002+/-0.000 χ^2/NDF: 14401433.1/35

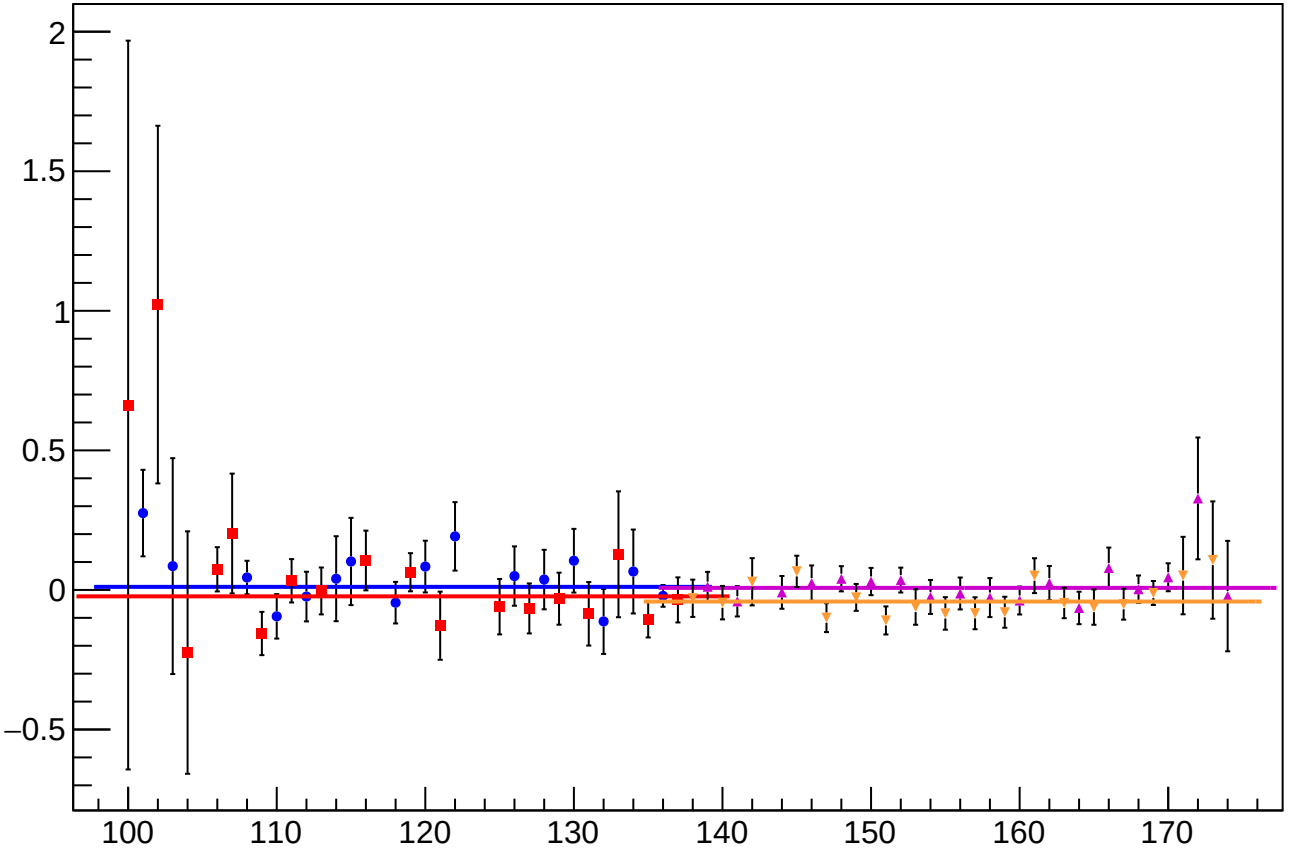
Right: 0.004+/-0.000 χ^2/NDF: 6282872.0/33

In: 0.002+/-0.000 χ^2/NDF:12199878.2/33

Out: 0.002+/-0.000 χ^2/NDF:13324440.4/35

All: 0.002+/-0.000 χ^2/NDF: 25539417.1/69

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

Left: -0.016+/-0.010 χ^2/NDF: 28.2/35

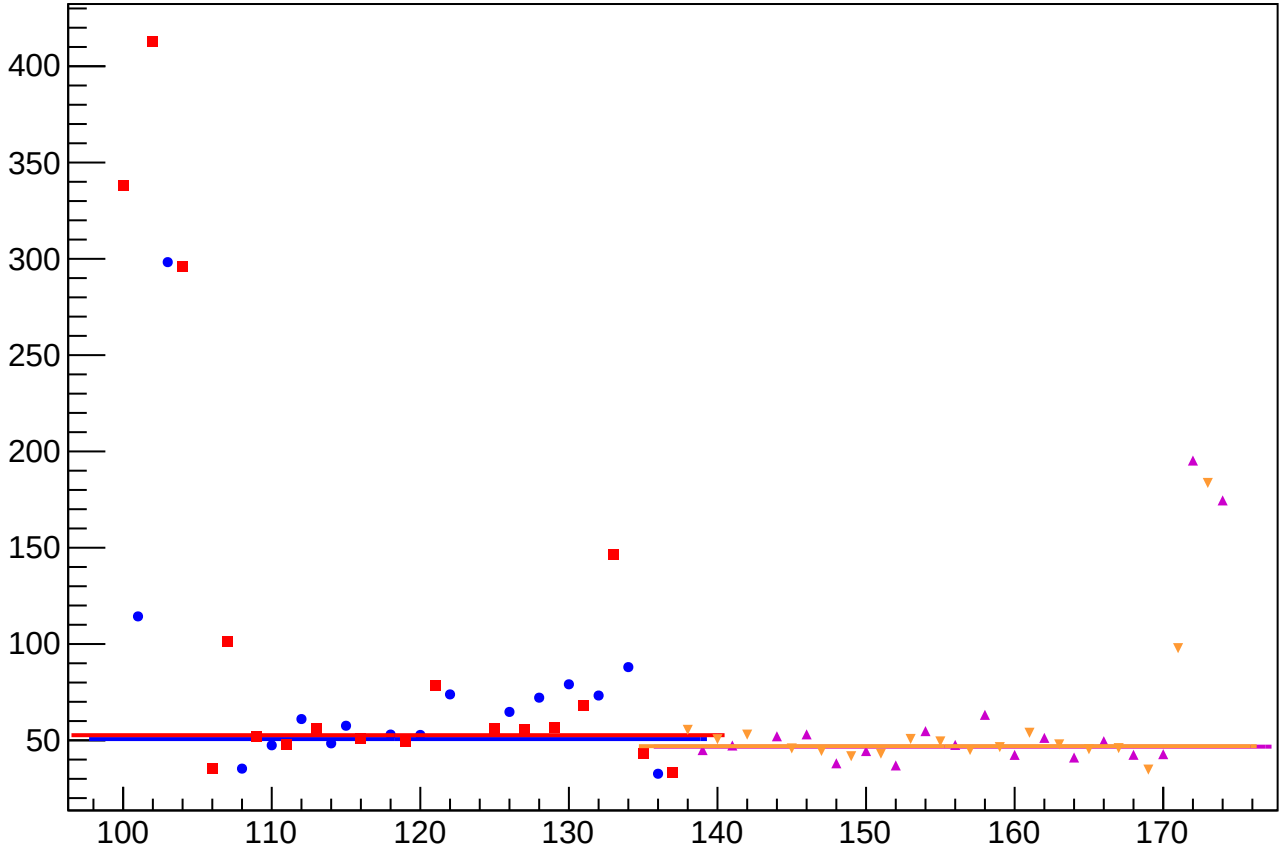
Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/69

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.646+/-0.015 χ^2/NDF: 2266348.3/15

Left Out: 46.962+/-0.010 χ^2/NDF:1406580.3/17

Right Out: 52.667+/-0.016 χ^2/NDF: 2211822.2/17

Left In: 46.711+/-0.010 χ^2/NDF:2196116.0/17

Left: 46.833+/-0.007 χ^2/NDF: 3603028.2/35

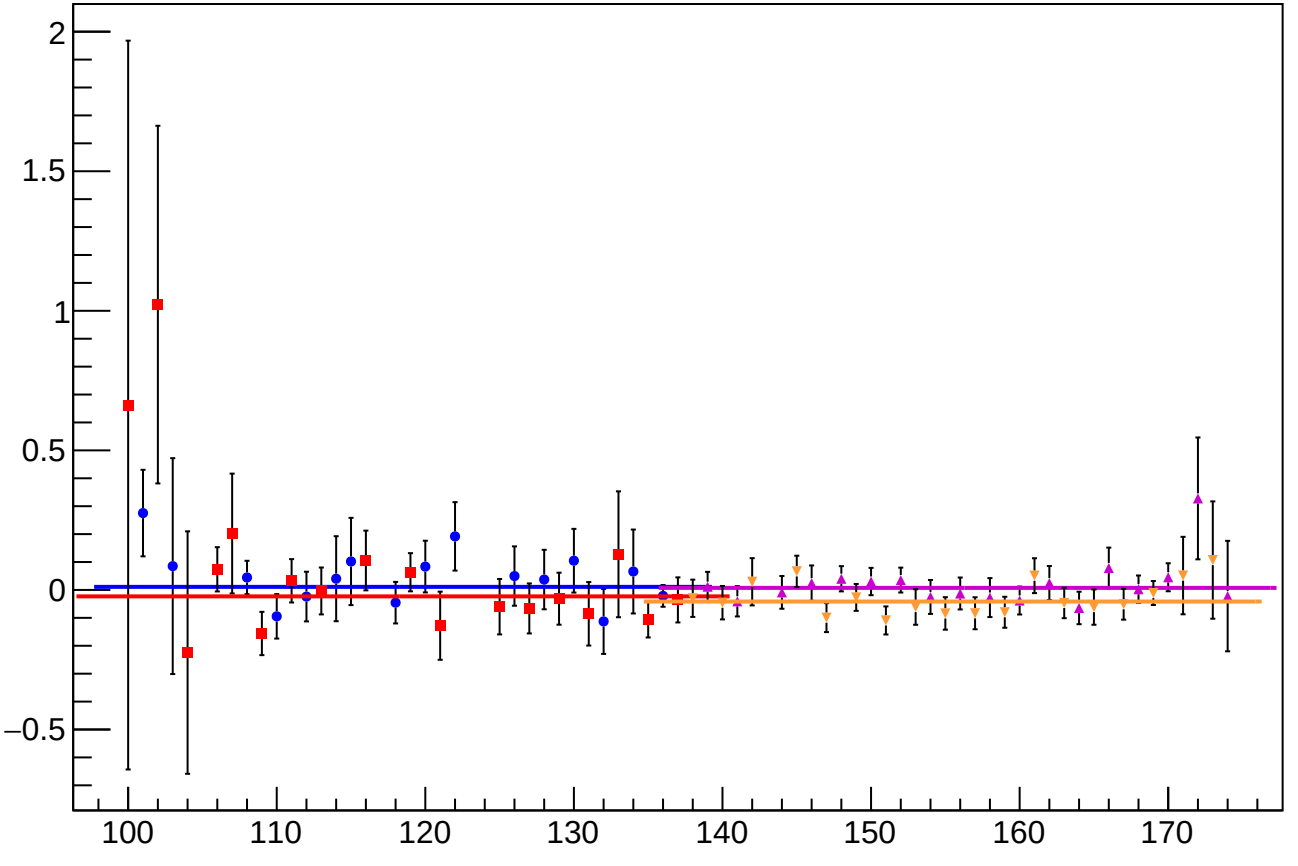
Right: 51.601+/-0.011 χ^2/NDF: 4486238.7/33

In: 47.804+/-0.008 χ^2/NDF:4509208.8/33

Out: 48.490+/-0.008 χ^2/NDF:3707626.7/35

All: 48.134+/-0.006 χ^2/NDF: 8220244.1/69

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.022 χ^2/NDF: 11.7/15

Left Out: -0.042+/-0.014 χ^2/NDF:13.1/17

Right Out: -0.023+/-0.023 χ^2/NDF: 15.9/17

Left In: 0.007+/-0.014 χ^2/NDF:8.9/17

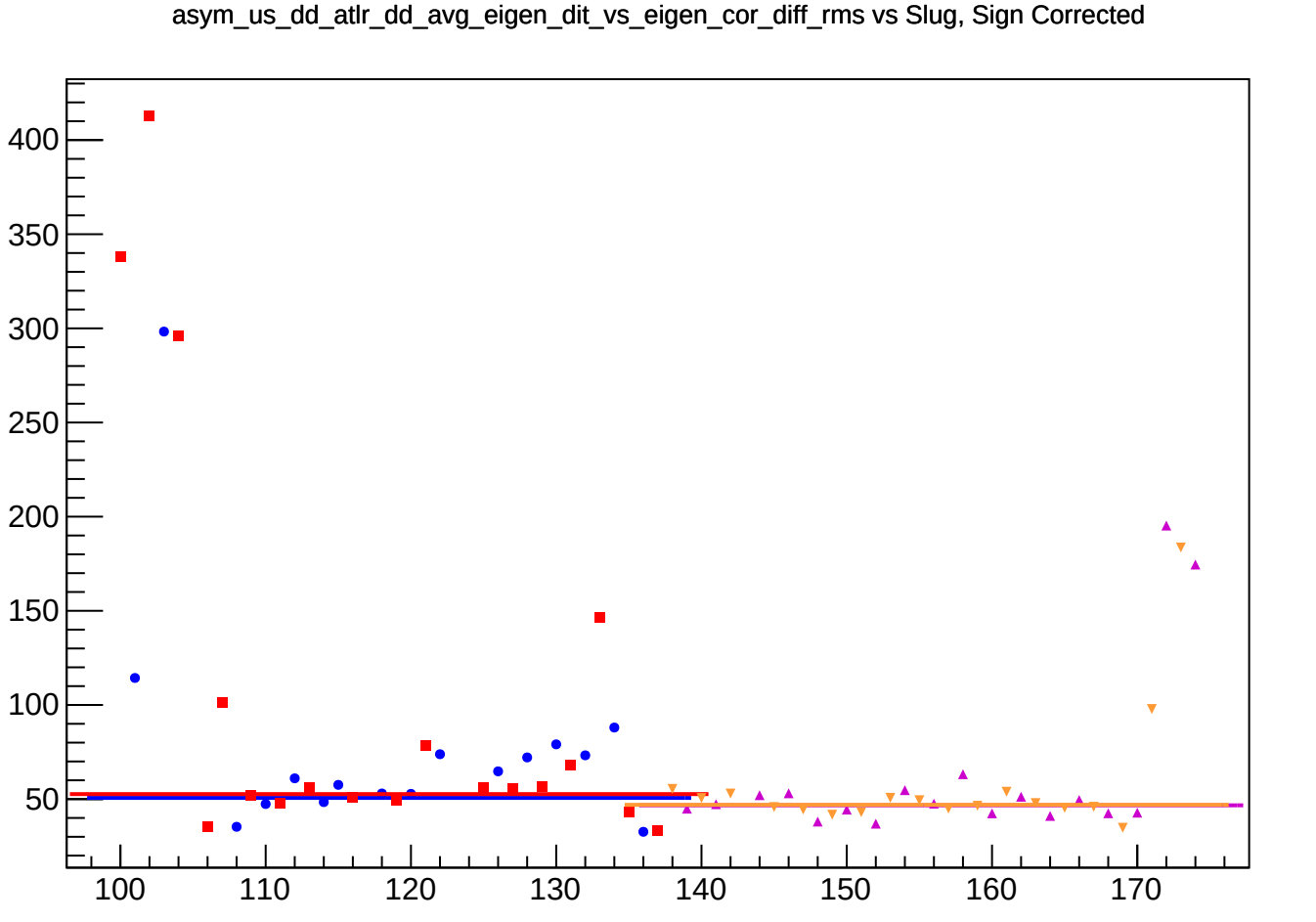
Left: -0.016+/-0.010 χ^2/NDF: 28.2/35

Right: -0.005+/-0.016 χ^2/NDF: 28.8/33

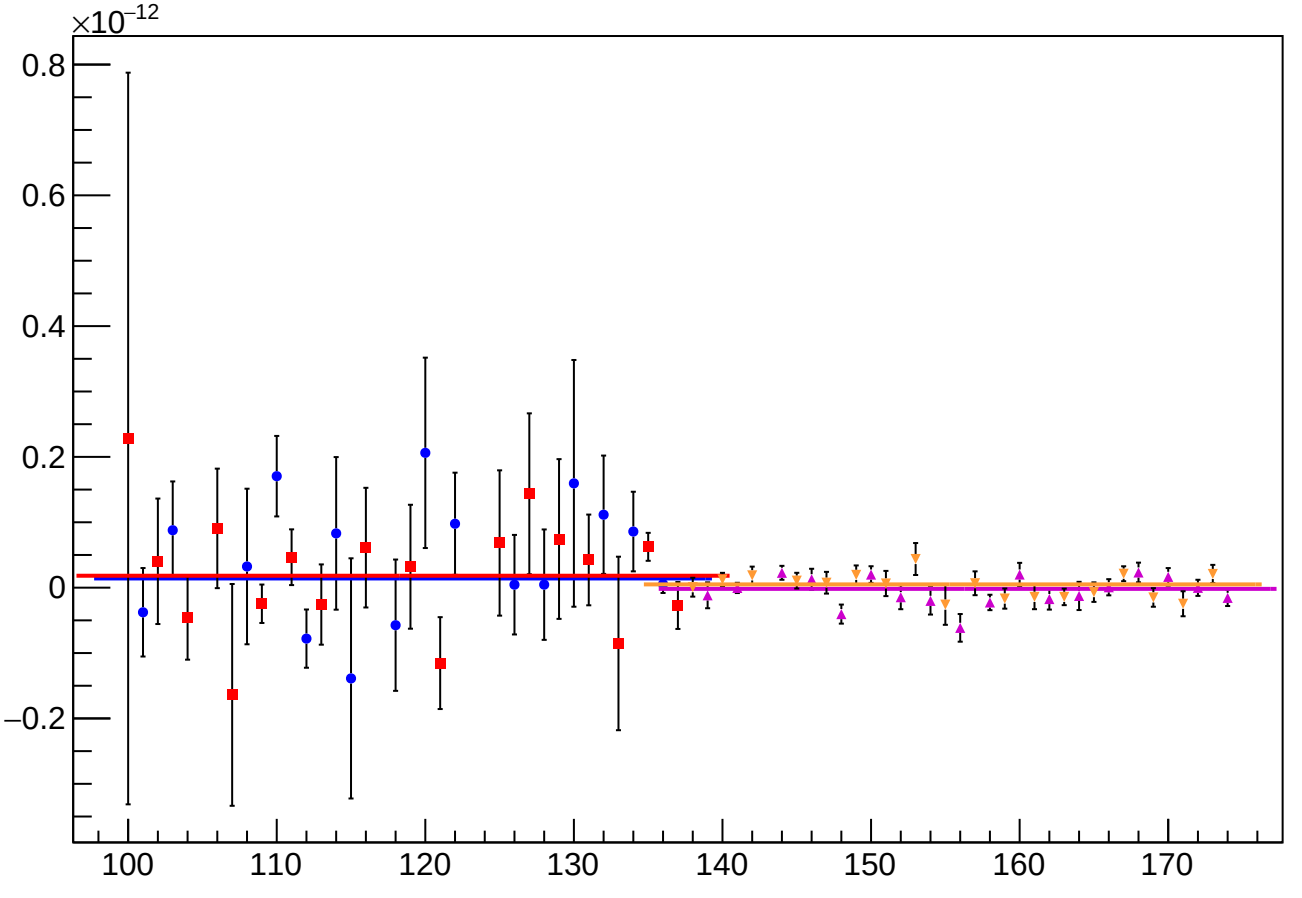
In: 0.008+/-0.012 χ^2/NDF:20.6/33

Out: -0.037+/-0.012 χ^2/NDF:29.5/35

All: -0.013+/-0.008 χ^2/NDF: 57.4/69


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
400
350
300
250
200
150
100
50
100
110
120
130
140
150
160
170
Right In: 50.646+/-0.015 χ2/NDF: 2266348.3/15
Left Out: 46.962+/-0.010 χ2/NDF:1406580.3/17
Right Out: 52.667+/-0.016 χ2/NDF: 2211822.2/17
Left In: 46.711+/-0.010 χ2/NDF:2196116.0/17
Left: 46.833+/-0.007 χ2/NDF: 3603028.2/35
Right: 51.601+/-0.011 χ2/NDF: 4486238.7/33
In: 47.804+/-0.008 χ2/NDF:4509208.8/33
Out: 48.490+/-0.008 χ2/NDF:3707626.7/35
All: 48.134+/-0.006 χ2/NDF: 8220244.1/69

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:20.2/17

Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/17

Left In: -0.000+/-0.000 χ^2/NDF:37.3/17

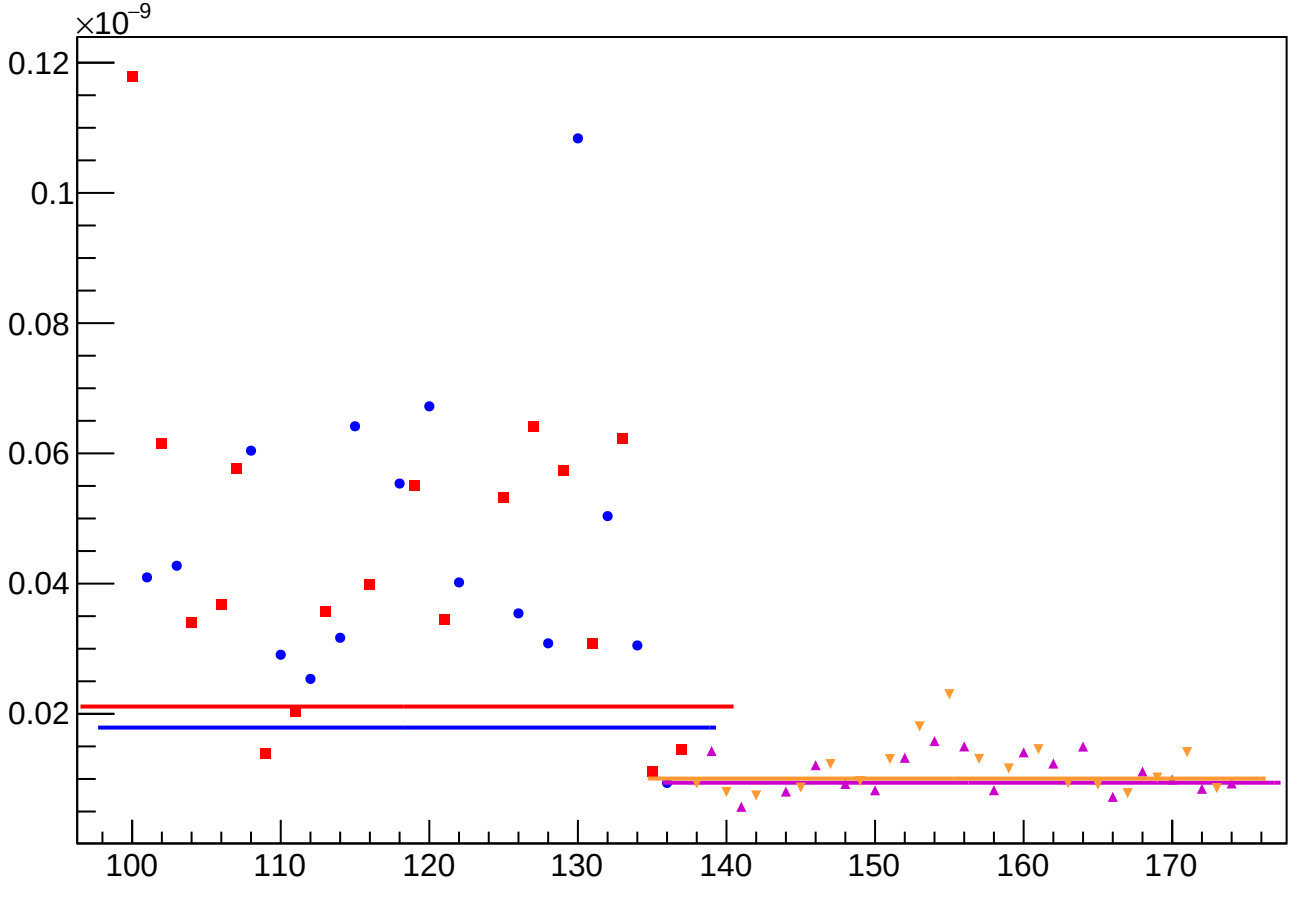
Left: 0.000+/-0.000 χ^2/NDF: 59.6/35

Right: 0.000+/-0.000 χ^2/NDF: 38.4/33

In: -0.000+/-0.000 χ^2/NDF:59.5/33

Out: 0.000+/-0.000 χ^2/NDF:39.2/35

All: 0.000+/-0.000 χ^2/NDF: 100.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 3398524.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1237436.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 2621588.2/17

Left In: 0.000+/-0.000 χ^2/NDF:1540047.2/17

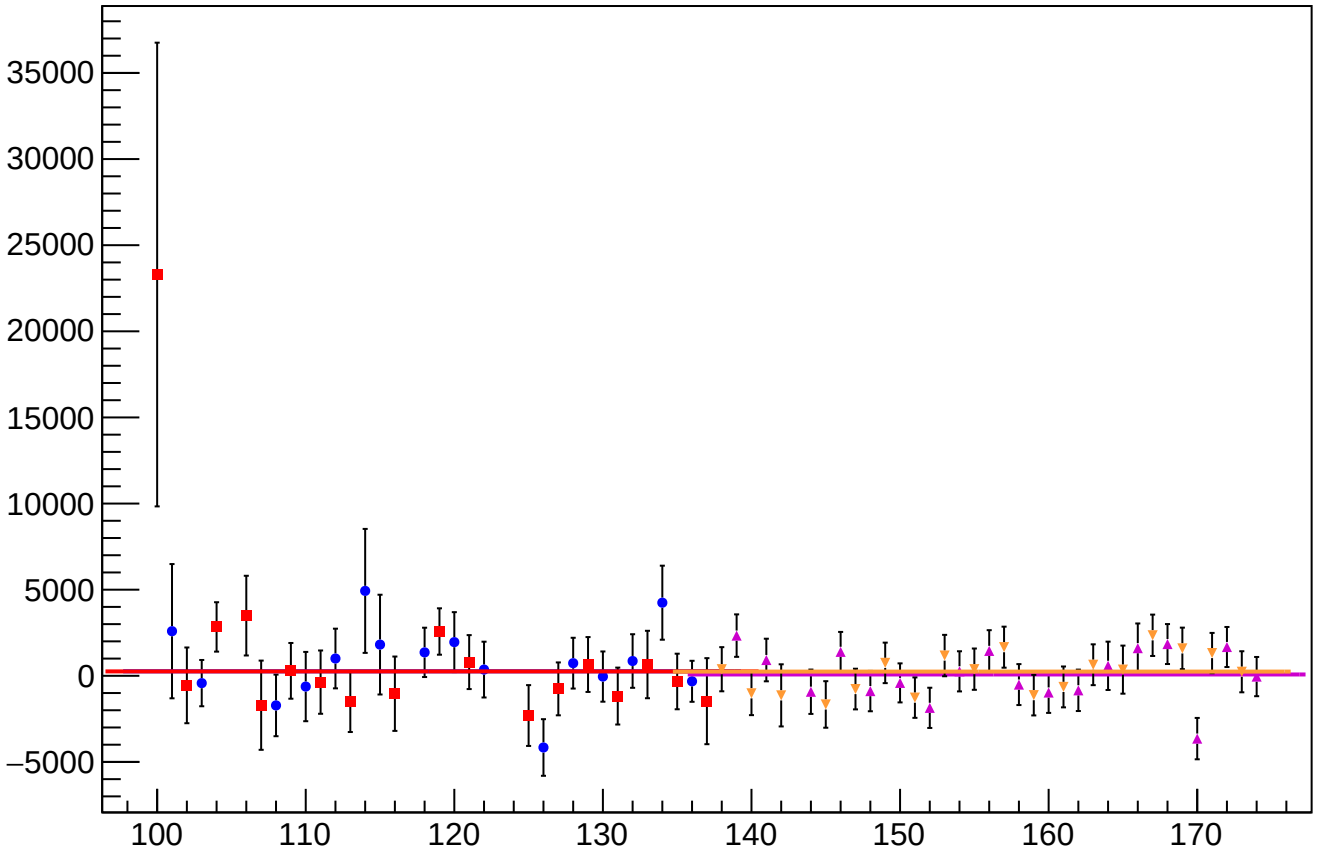
Left: 0.000+/-0.000 χ^2/NDF: 2813564.6/35

Right: 0.000+/-0.000 χ^2/NDF: 6093228.6/33

In: 0.000+/-0.000 χ^2/NDF:5972933.7/33

Out: 0.000+/-0.000 χ^2/NDF:5304171.2/35

All: 0.000+/-0.000 χ^2/NDF: 11337332.1/69



Right In: 260.797+/-424.657 χ^2/NDF: 16.9/15

Left Out: 244.785+/-290.829 χ^2/NDF:15.4/17

Right Out: 255.934+/-425.784 χ^2/NDF: 17.4/17

Left In: 77.442+/-284.122 χ^2/NDF:27.3/17

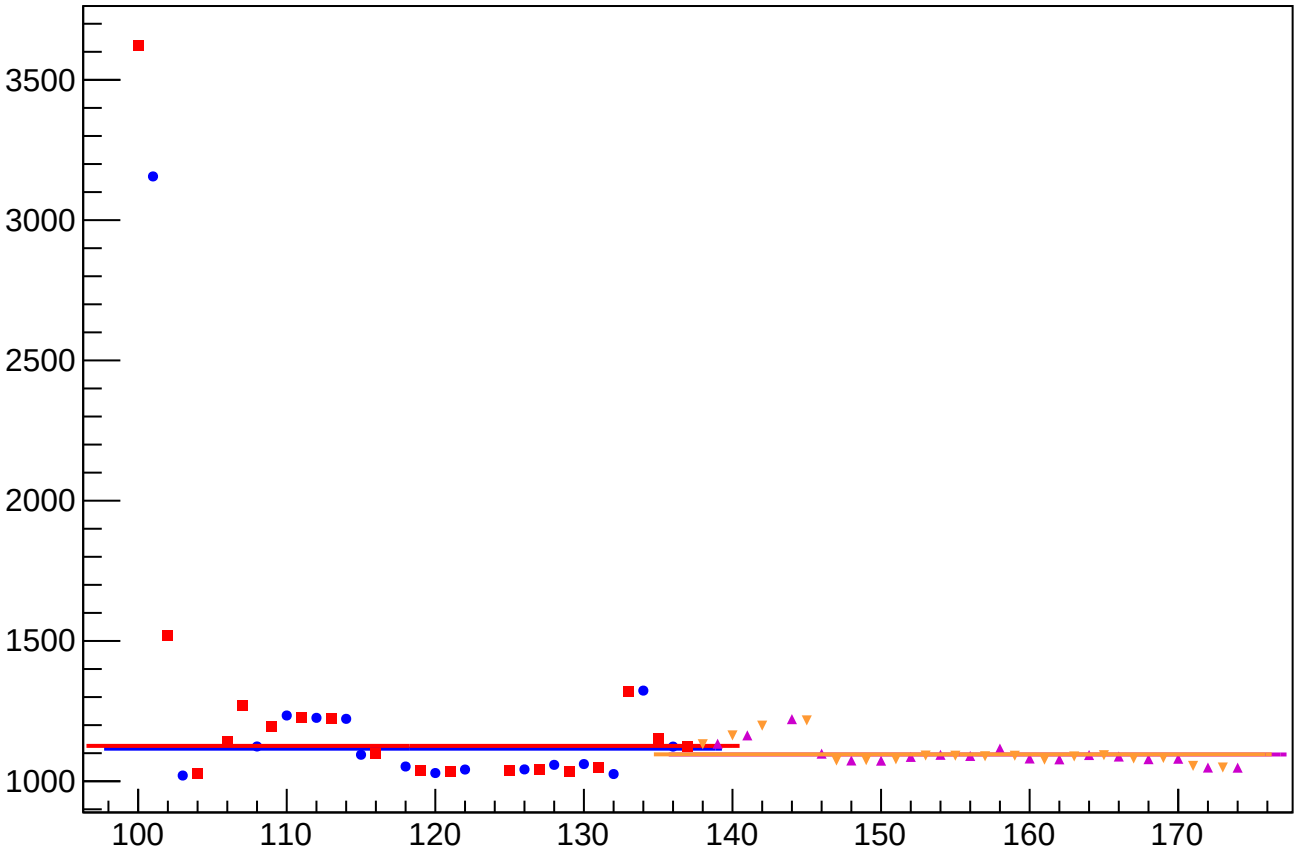
Left: 159.162+/-203.234 χ^2/NDF: 42.9/35

Right: 258.372+/-300.676 χ^2/NDF: 34.3/33

In: 134.139+/-236.142 χ^2/NDF:44.4/33

Out: 248.332+/-240.154 χ^2/NDF:32.8/35

All: 190.274+/-168.378 χ^2/NDF: 77.3/69



Right In: 1116.089+/-0.300 χ^2/NDF: 623390.9/15

Left Out: 1095.841+/-0.206 χ^2/NDF:38384.8/17

Right Out: 1126.016+/-0.301 χ^2/NDF: 222106.0/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

Left: 1095.593+/-0.144 χ^2/NDF: 75828.6/35

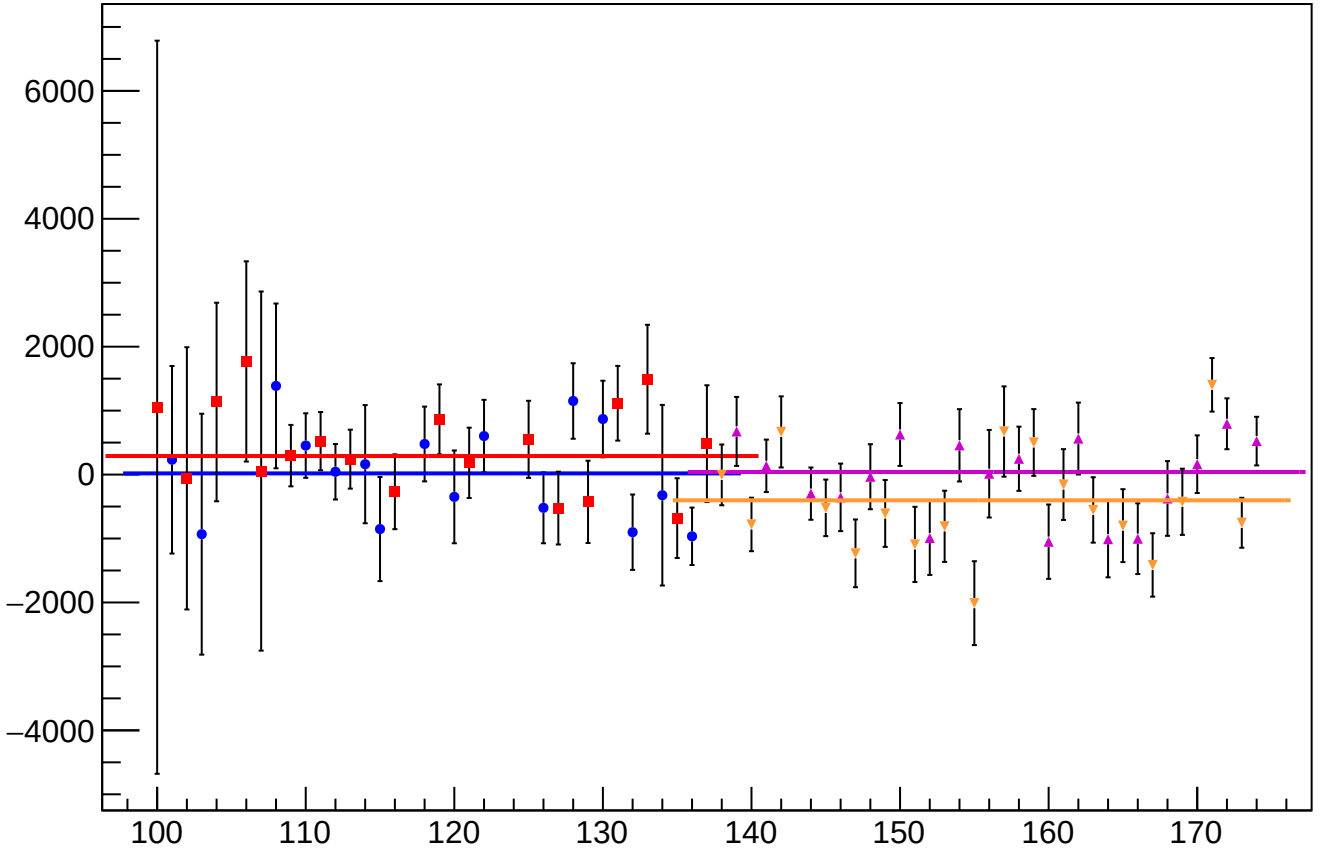
Right: 1121.039+/-0.213 χ^2/NDF: 846041.8/33

In: 1101.768+/-0.167 χ^2/NDF:664124.7/33

Out: 1105.440+/-0.170 χ^2/NDF:267339.9/35

All: 1103.573+/-0.119 χ^2/NDF: 931702.4/69

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 18.468+/-161.237 χ^2/NDF: 19.2/15

Left Out: -402.553+/-119.466 χ^2/NDF:45.5/17

Right Out: 289.946+/-156.189 χ^2/NDF: 13.5/17

Left In: 40.422+/-117.498 χ^2/NDF:24.8/17

Left: -177.388+/-83.771 χ^2/NDF: 77.3/35

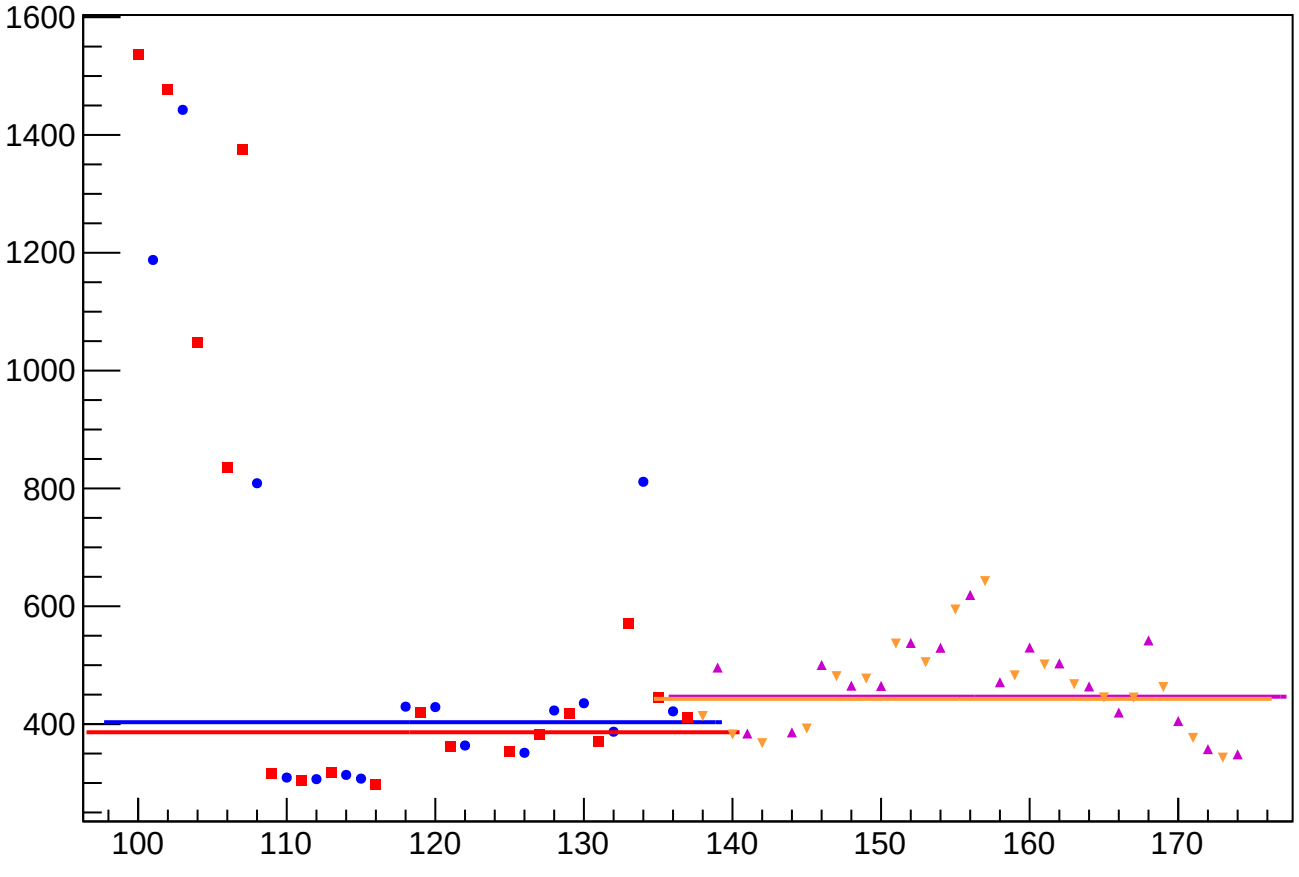
Right: 158.523+/-112.184 χ^2/NDF: 34.1/33

In: 32.807+/-94.959 χ^2/NDF:44.0/33

Out: -146.950+/-94.891 χ^2/NDF:71.4/35

All: -57.137+/-67.122 χ^2/NDF: 117.2/69

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.194+/-0.114 χ^2/NDF: 1808432.3/15

Left Out: 442.830+/-0.084 χ^2/NDF:696243.3/17

Right Out: 386.146+/-0.110 χ^2/NDF: 1759113.8/17

Left In: 446.530+/-0.083 χ^2/NDF:728551.0/17

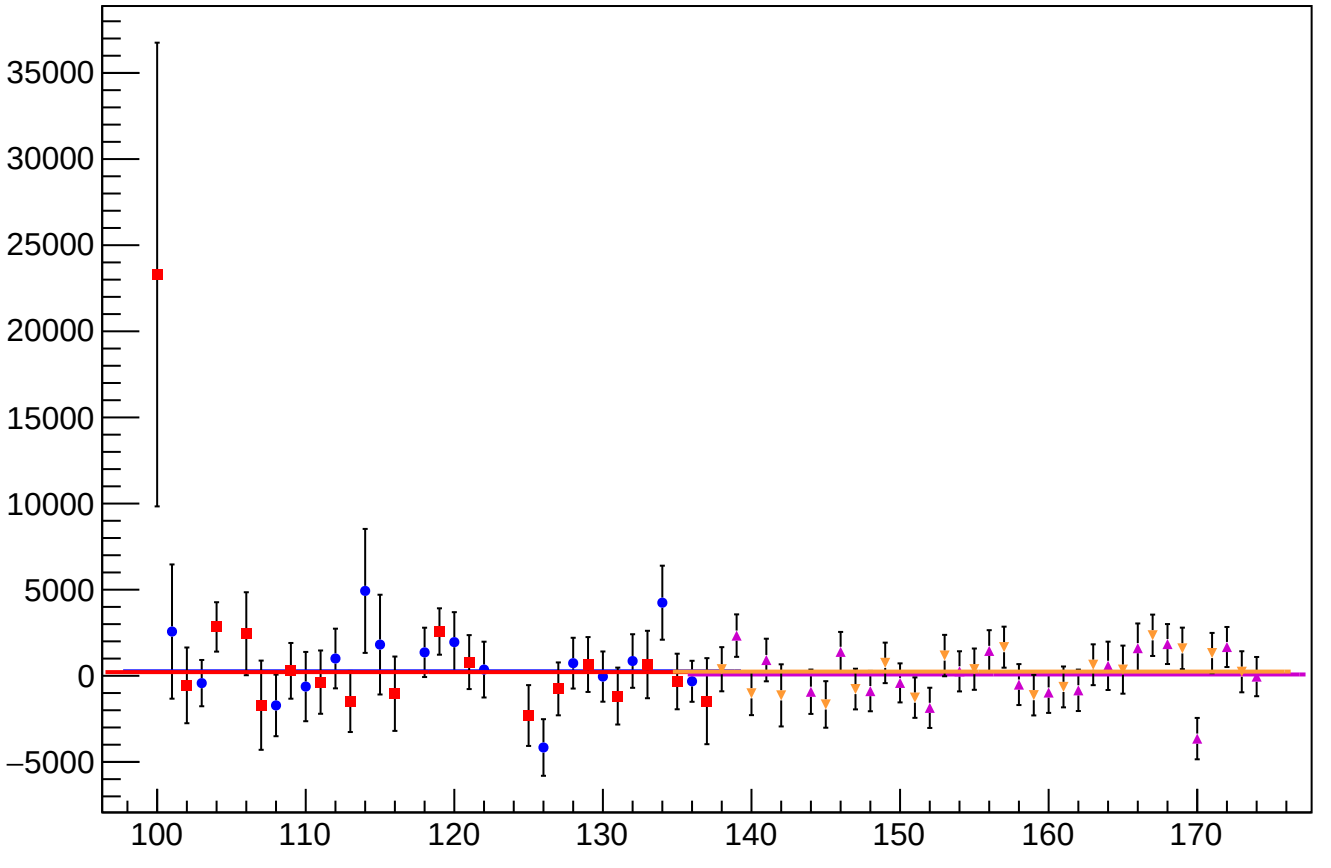
Left: 444.711+/-0.059 χ^2/NDF: 1425769.6/35

Right: 394.399+/-0.079 χ^2/NDF: 3579081.1/33

In: 431.499+/-0.067 χ^2/NDF:2631349.3/33

Out: 421.908+/-0.067 χ^2/NDF:2621549.7/35

All: 426.700+/-0.047 χ^2/NDF: 5263108.0/69



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 244.753+/-290.829 χ^2/NDF:15.4/17

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 77.438+/-284.122 χ^2/NDF:27.3/17

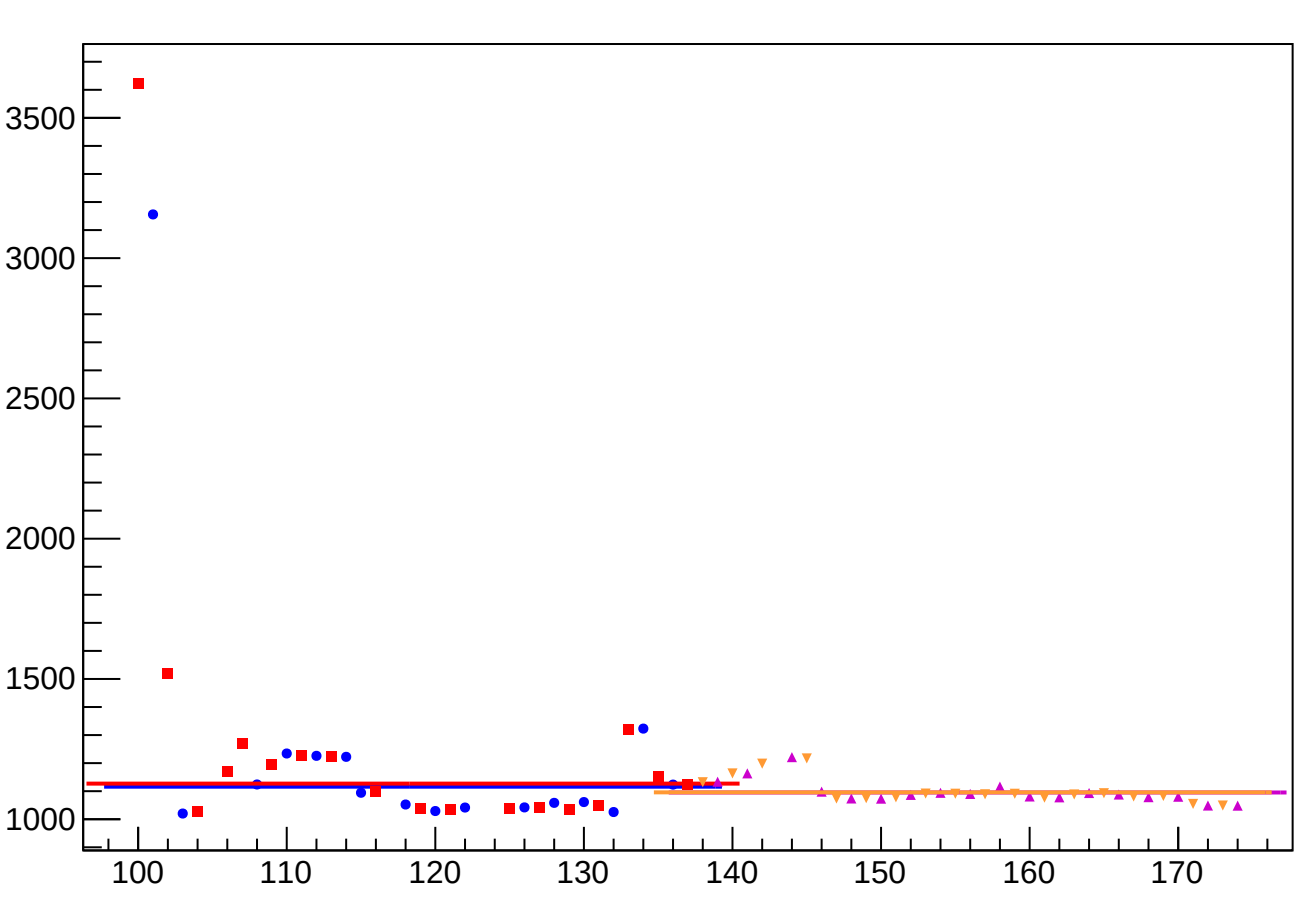
Left: 159.144+/-203.234 χ^2/NDF: 42.9/35

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 134.018+/-236.142 χ^2/NDF:44.4/33

Out: 235.146+/-240.254 χ^2/NDF:31.6/35

All: 183.709+/-168.413 χ^2/NDF: 76.1/69



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1095.841+/-0.206 χ^2/NDF:38384.8/17

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

Left: 1095.593+/-0.144 χ^2/NDF: 75828.6/35

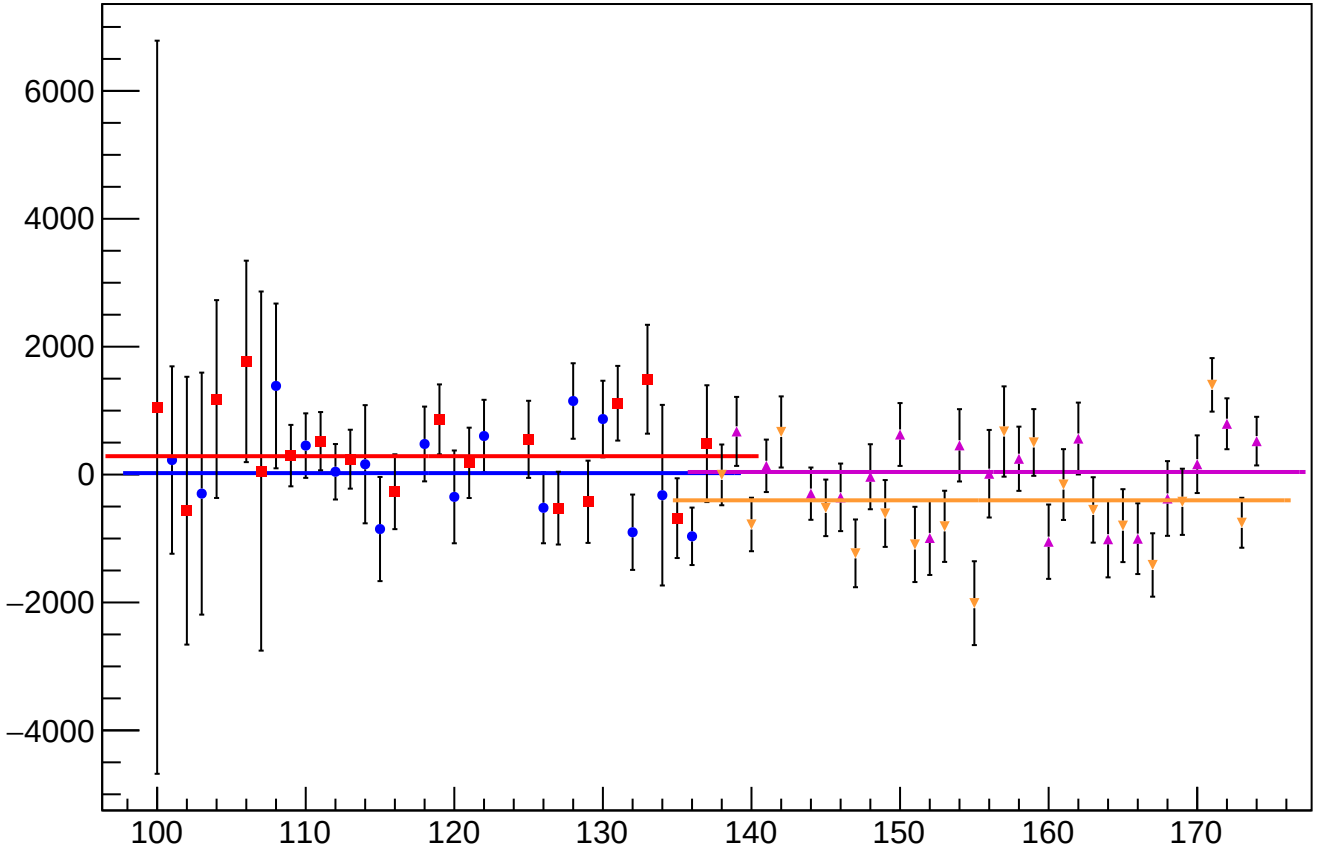
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1101.768+/-0.167 χ^2/NDF:664125.6/33

Out: 1105.723+/-0.170 χ^2/NDF:268396.7/35

All: 1103.711+/-0.119 χ^2/NDF: 932798.1/69

asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -402.607+/-119.465 χ^2/NDF:45.5/17

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 40.416+/-117.499 χ^2/NDF:24.8/17

Left: -177.419+/-83.771 χ^2/NDF: 77.3/35

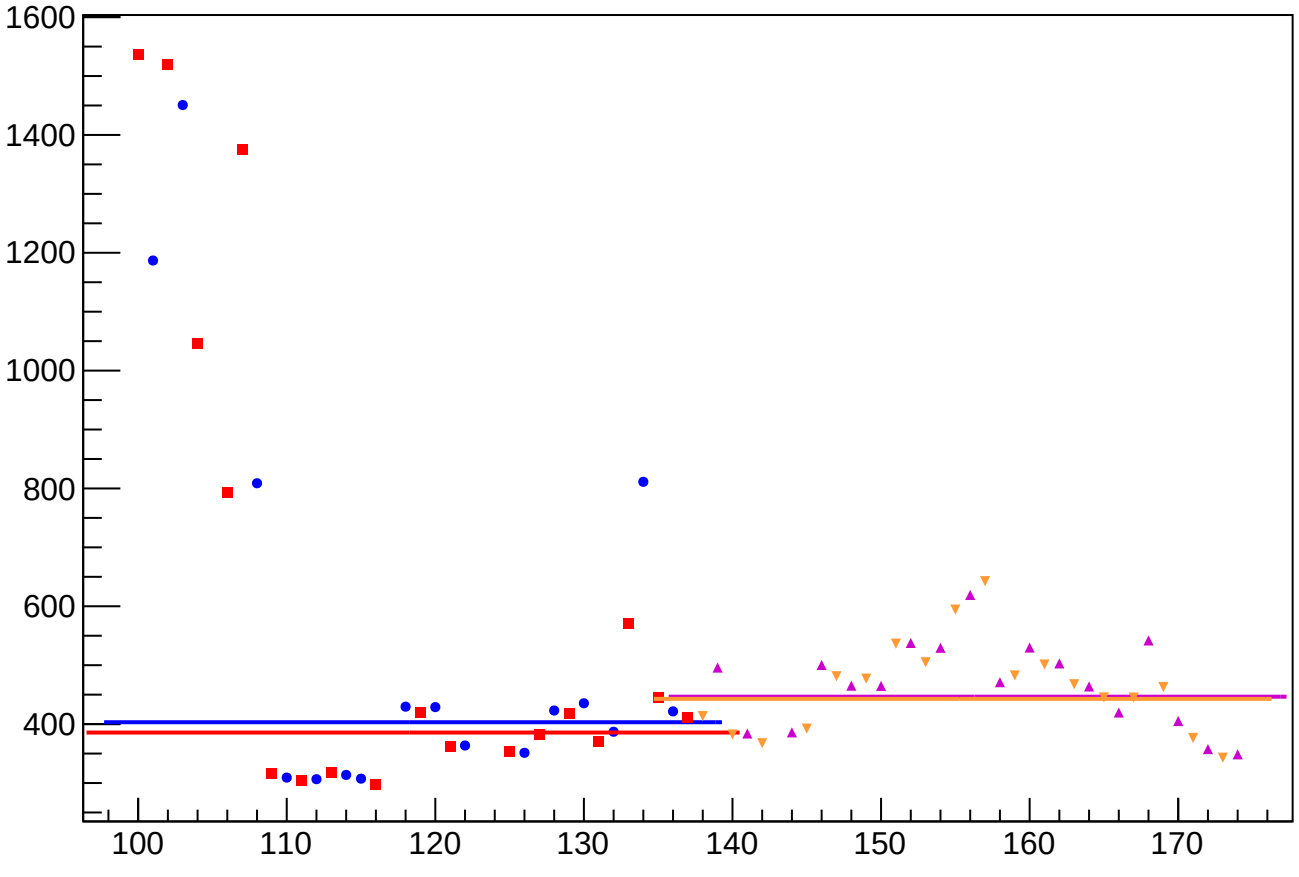
Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 34.349+/-94.960 χ^2/NDF:43.8/33

Out: -147.895+/-94.895 χ^2/NDF:71.5/35

All: -56.835+/-67.124 χ^2/NDF: 117.1/69

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 442.826+/-0.084 χ^2/NDF:696309.0/17

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

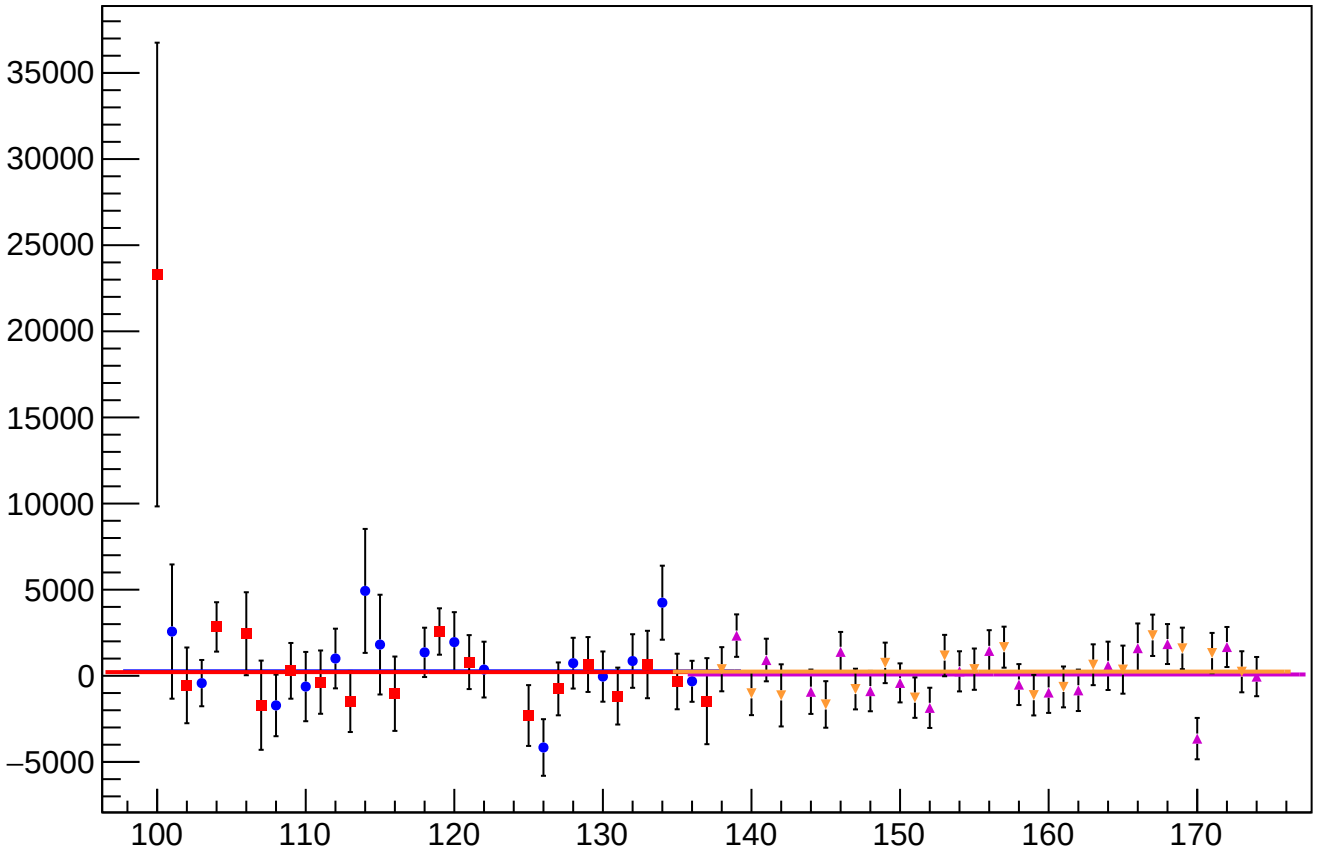
Left: 444.710+/-0.059 χ^2/NDF: 1425717.6/35

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 431.496+/-0.067 χ^2/NDF:2634966.6/33

Out: 421.738+/-0.067 χ^2/NDF:2612335.5/35

All: 426.614+/-0.047 χ^2/NDF: 5257868.9/69



Right In: 260.415+/-424.657 χ^2/NDF: 16.9/15

Left Out: 244.753+/-290.829 χ^2/NDF:15.4/17

Right Out: 214.501+/-426.342 χ^2/NDF: 16.2/17

Left In: 77.438+/-284.122 χ^2/NDF:27.3/17

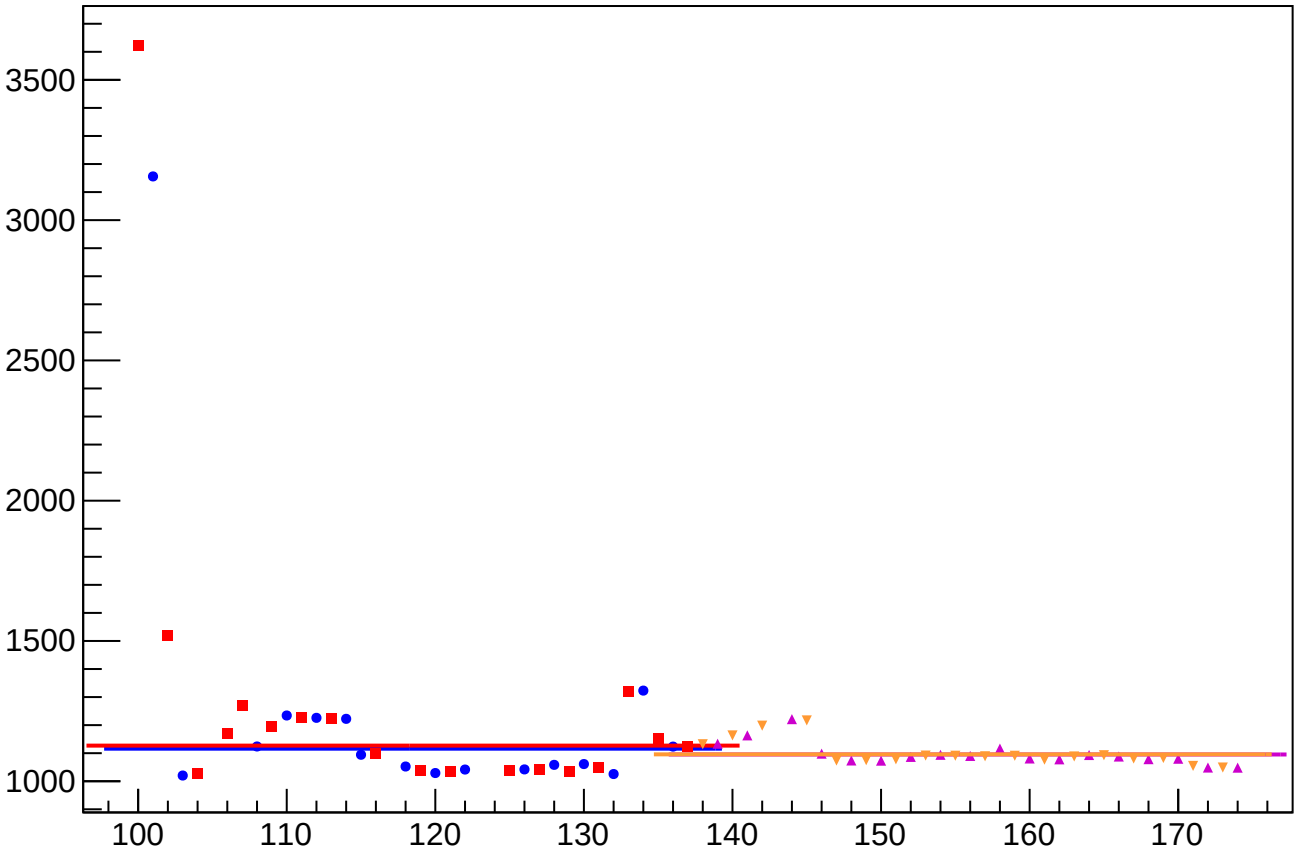
Left: 159.144+/-203.234 χ^2/NDF: 42.9/35

Right: 237.549+/-300.872 χ^2/NDF: 33.2/33

In: 134.018+/-236.142 χ^2/NDF:44.4/33

Out: 235.146+/-240.254 χ^2/NDF:31.6/35

All: 183.709+/-168.413 χ^2/NDF: 76.1/69



Right In: 1116.089+/-0.300 χ^2/NDF: 623391.9/15

Left Out: 1095.841+/-0.206 χ^2/NDF:38384.8/17

Right Out: 1126.960+/-0.301 χ^2/NDF: 222740.2/17

Left In: 1095.357+/-0.201 χ^2/NDF:37441.0/17

Left: 1095.593+/-0.144 χ^2/NDF: 75828.6/35

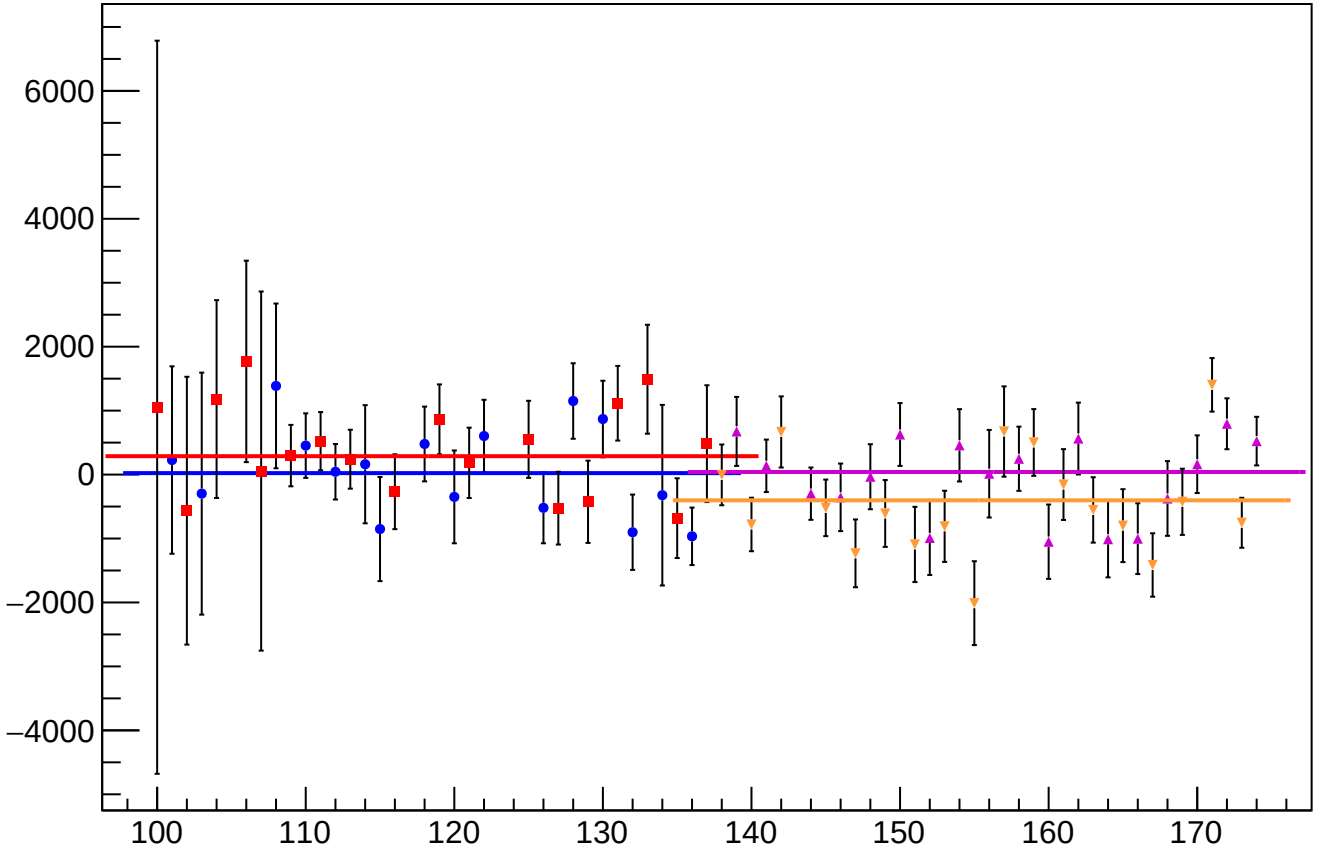
Right: 1121.503+/-0.213 χ^2/NDF: 846784.8/33

In: 1101.768+/-0.167 χ^2/NDF:664125.6/33

Out: 1105.723+/-0.170 χ^2/NDF:268396.7/35

All: 1103.711+/-0.119 χ^2/NDF: 932798.1/69

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 22.923+/-161.238 χ^2/NDF: 19.0/15

Left Out: -402.607+/-119.465 χ^2/NDF:45.5/17

Right Out: 287.614+/-156.212 χ^2/NDF: 13.7/17

Left In: 40.416+/-117.499 χ^2/NDF:24.8/17

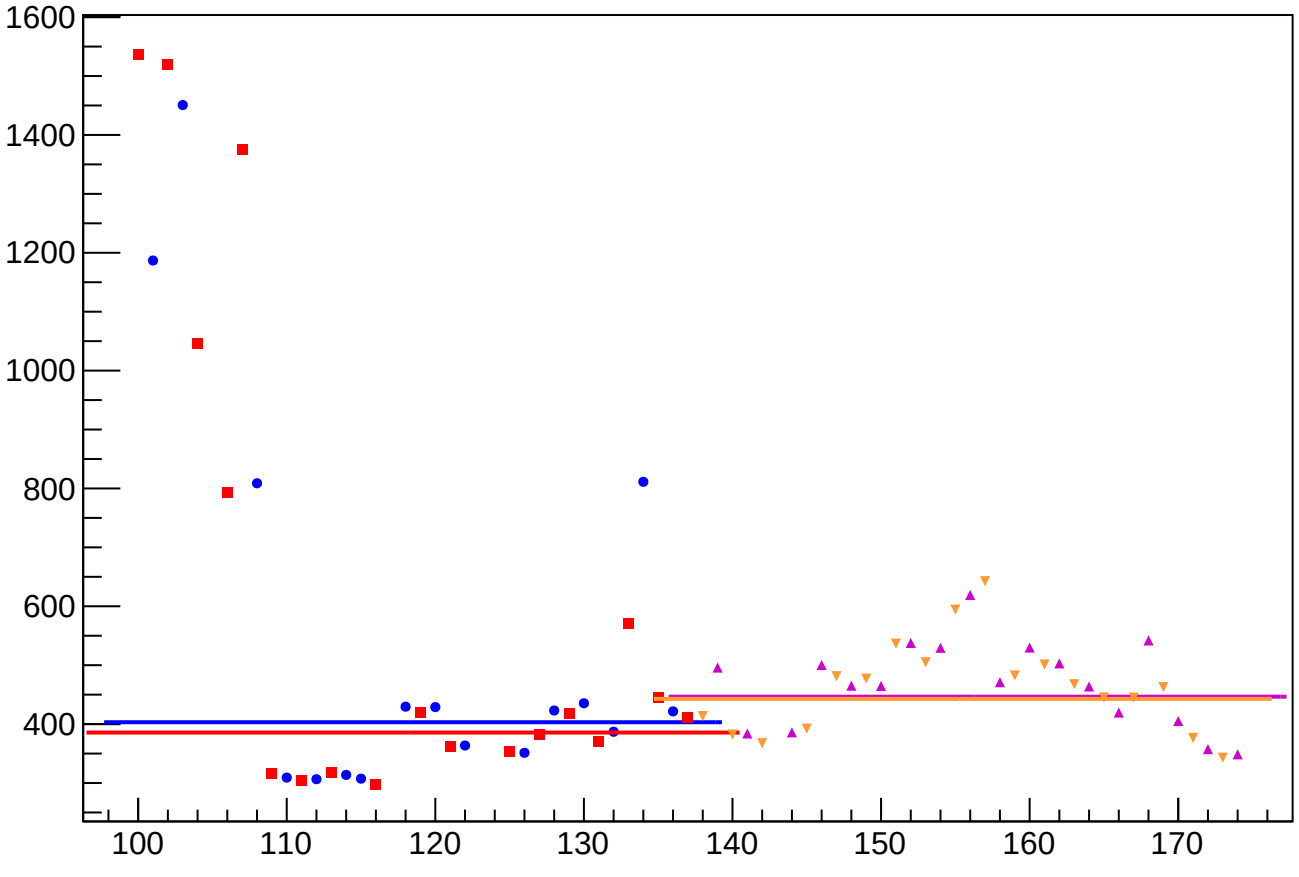
Left: -177.419+/-83.771 χ^2/NDF: 77.3/35

Right: 159.458+/-112.193 χ^2/NDF: 34.0/33

In: 34.349+/-94.960 χ^2/NDF:43.8/33

Out: -147.895+/-94.895 χ^2/NDF:71.5/35

All: -56.835+/-67.124 χ^2/NDF: 117.1/69



Right In: 403.182+/-0.114 χ^2/NDF: 1812111.0/15

Left Out: 442.826+/-0.084 χ^2/NDF:696309.0/17

Right Out: 385.682+/-0.110 χ^2/NDF: 1747152.2/17

Left In: 446.532+/-0.083 χ^2/NDF:728430.3/17

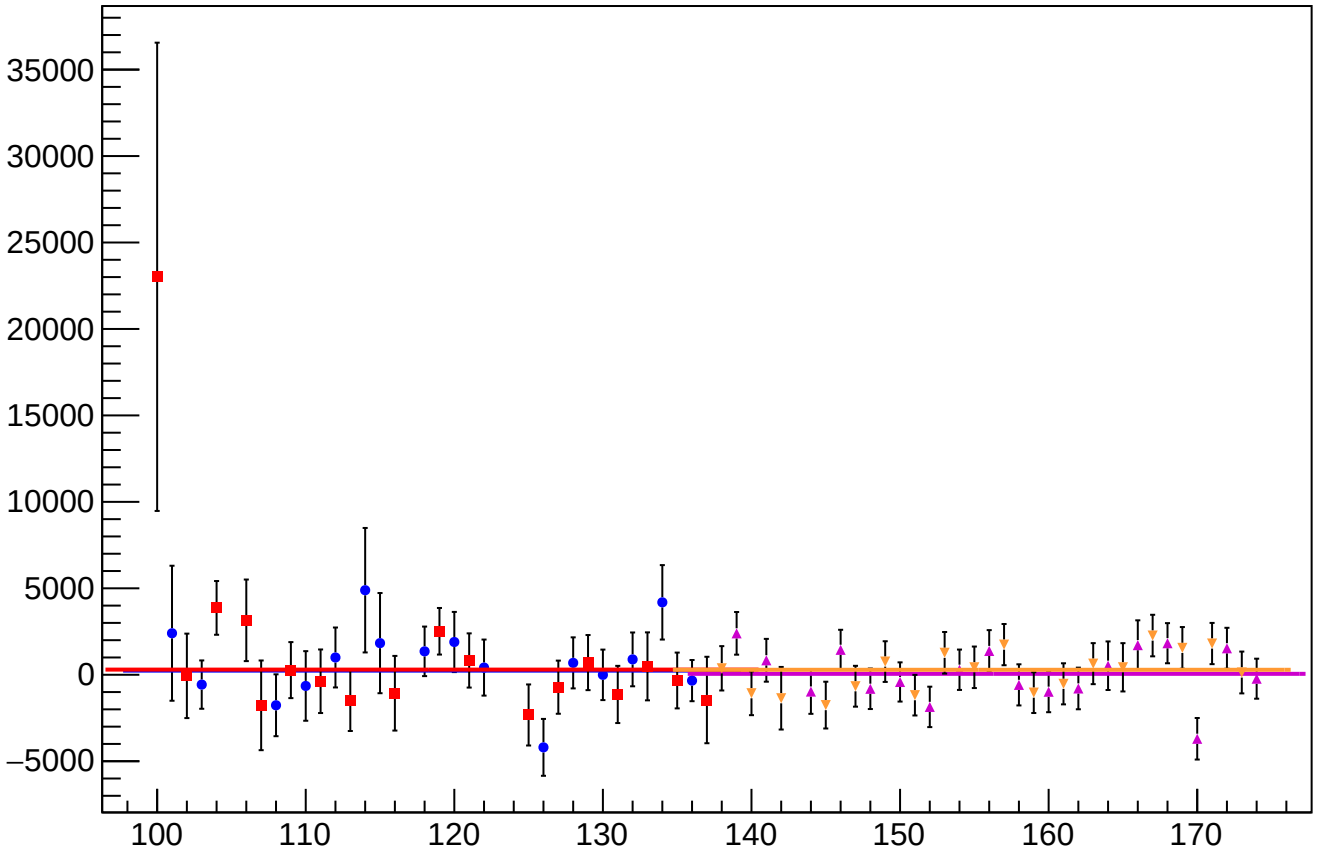
Left: 444.710+/-0.059 χ^2/NDF: 1425717.6/35

Right: 394.155+/-0.079 χ^2/NDF: 3571416.8/33

In: 431.496+/-0.067 χ^2/NDF:2634966.6/33

Out: 421.738+/-0.067 χ^2/NDF:2612335.5/35

All: 426.614+/-0.047 χ^2/NDF: 5257868.9/69



Right In: 240.827+/-426.592 χ^2/NDF: 17.0/15

Left Out: 287.613+/-291.686 χ^2/NDF:16.1/17

Right Out: 298.921+/-430.767 χ^2/NDF: 18.7/17

Left In: 53.808+/-284.953 χ^2/NDF:27.4/17

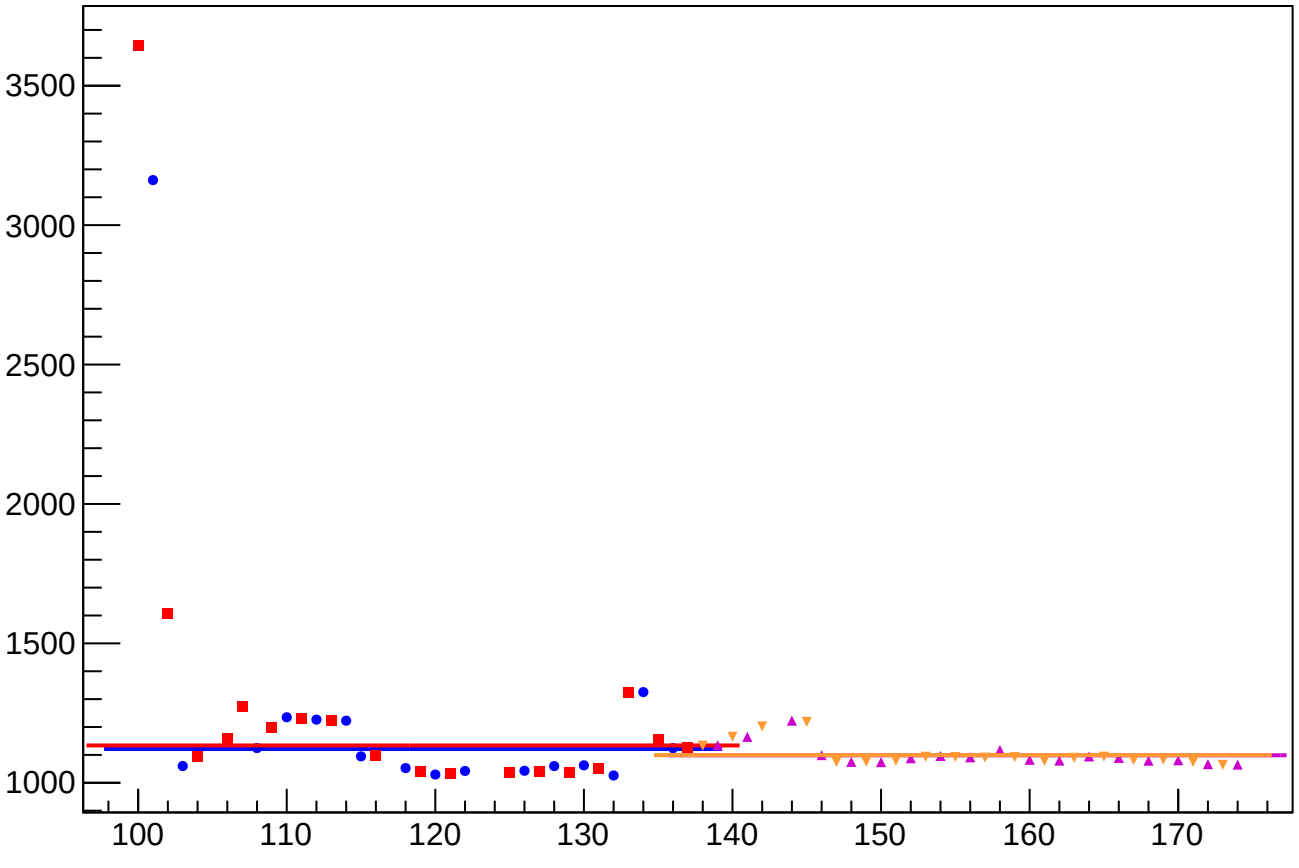
Left: 167.980+/-203.831 χ^2/NDF: 43.8/35

Right: 269.591+/-303.111 χ^2/NDF: 35.6/33

In: 111.508+/-236.952 χ^2/NDF:44.5/33

Out: 291.168+/-241.525 χ^2/NDF:34.8/35

All: 199.621+/-169.144 χ^2/NDF: 79.6/69



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1099.128+/-0.206 χ^2/NDF:35319.2/17

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.0/17

Left: 1098.871+/-0.144 χ^2/NDF: 68886.2/35

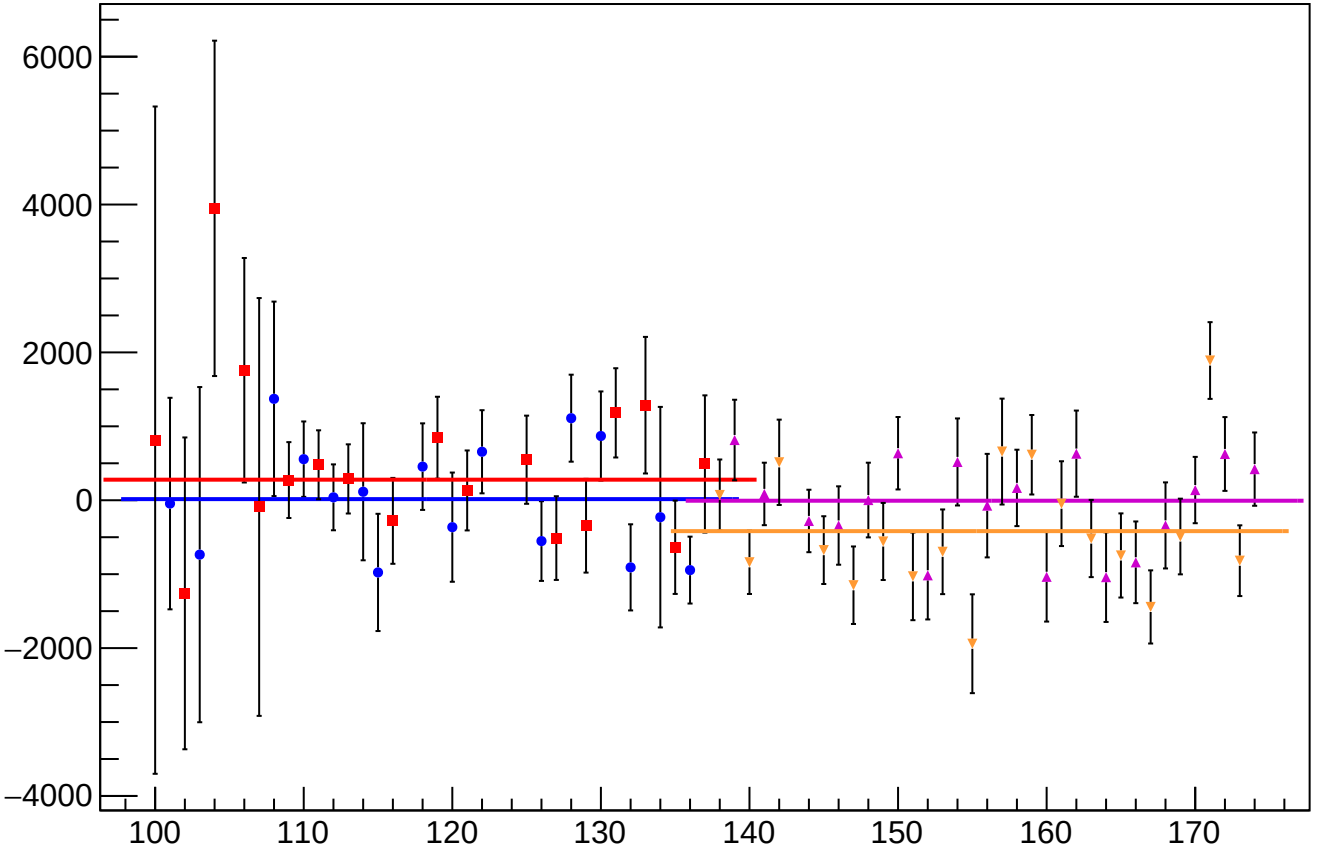
Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

In: 1105.620+/-0.168 χ^2/NDF:654497.3/33

Out: 1110.069+/-0.171 χ^2/NDF:271726.2/35

All: 1107.802+/-0.120 χ^2/NDF: 926569.2/69

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.291+/-161.845 χ^2/NDF: 19.6/15

Left Out: -417.727+/-124.834 χ^2/NDF:45.0/17

Right Out: 278.251+/-158.828 χ^2/NDF: 15.1/17

Left In: -6.444+/-123.692 χ^2/NDF:20.7/17

Left: -210.194+/-87.864 χ^2/NDF: 71.1/35

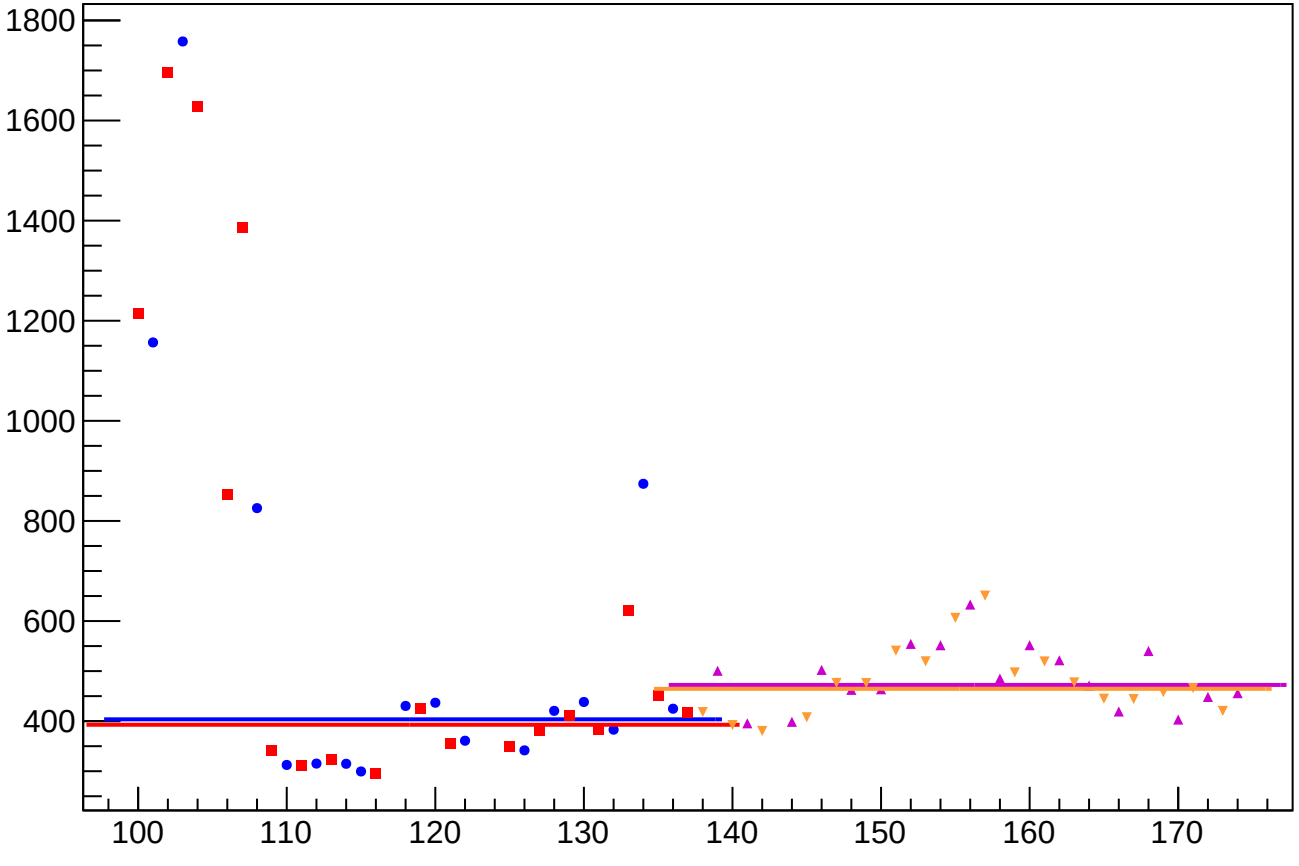
Right: 149.246+/-113.360 χ^2/NDF: 36.0/33

In: 1.570+/-98.277 χ^2/NDF:40.3/33

Out: -151.961+/-98.147 χ^2/NDF:71.9/35

All: -75.297+/-69.446 χ^2/NDF: 113.4/69

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.656+/-0.114 χ^2/NDF: 1929597.5/15

Left Out: 464.588+/-0.088 χ^2/NDF:477723.1/17

Right Out: 392.820+/-0.112 χ^2/NDF: 2203456.1/17

Left In: 472.351+/-0.087 χ^2/NDF:468919.2/17

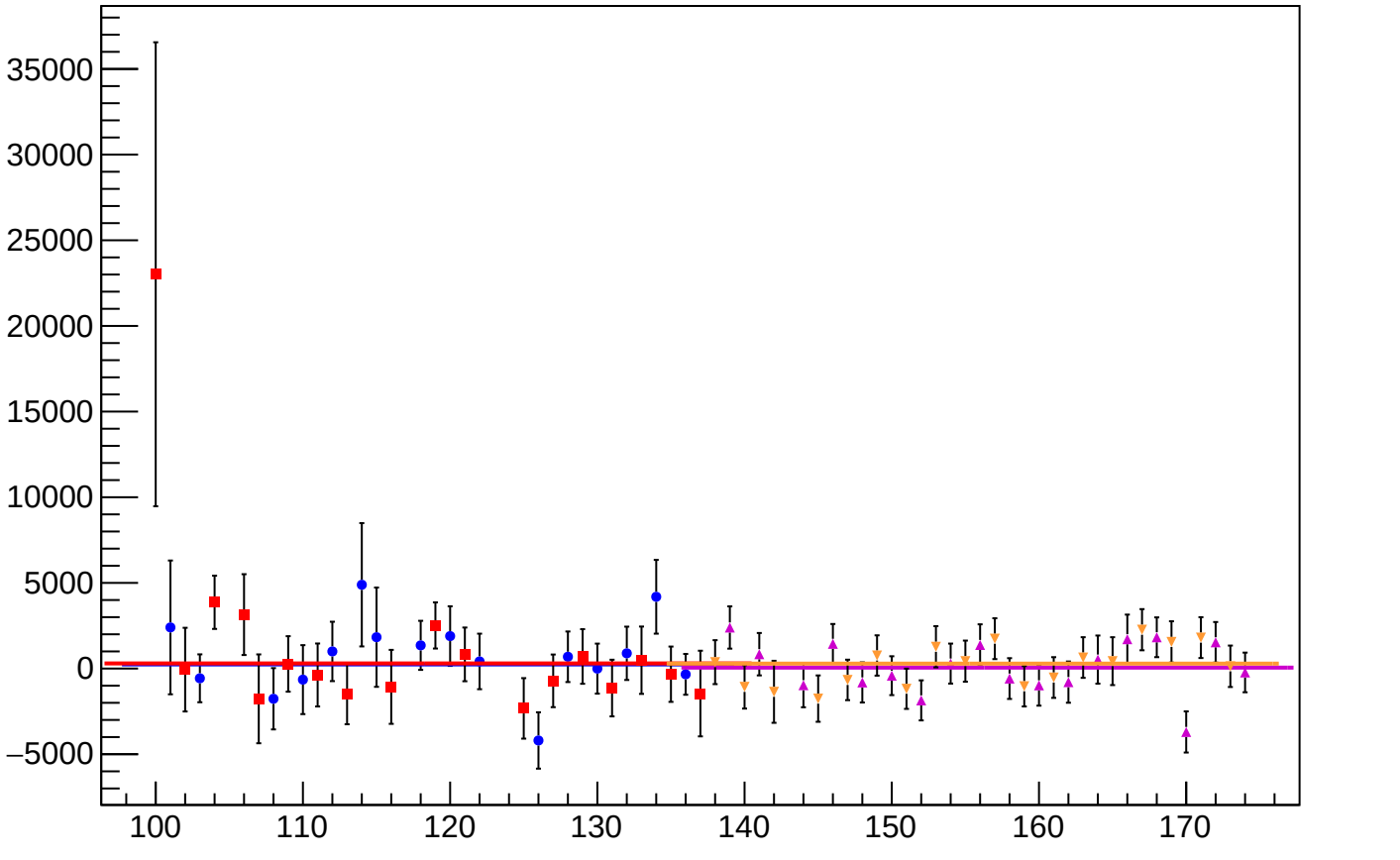
Left: 468.506+/-0.062 χ^2/NDF: 950544.9/35

Right: 398.136+/-0.080 χ^2/NDF: 4137620.1/33

In: 447.022+/-0.069 χ^2/NDF:2625978.1/33

Out: 437.183+/-0.069 χ^2/NDF:2933601.8/35

All: 442.096+/-0.049 χ^2/NDF: 5569615.2/69



Right In: 240.829+/-426.592 χ^2/NDF: 17.0/15

Left Out: 287.609+/-291.686 χ^2/NDF:16.1/17

Right Out: 298.922+/-430.767 χ^2/NDF: 18.7/17

Left In: 53.809+/-284.953 χ^2/NDF:27.4/17

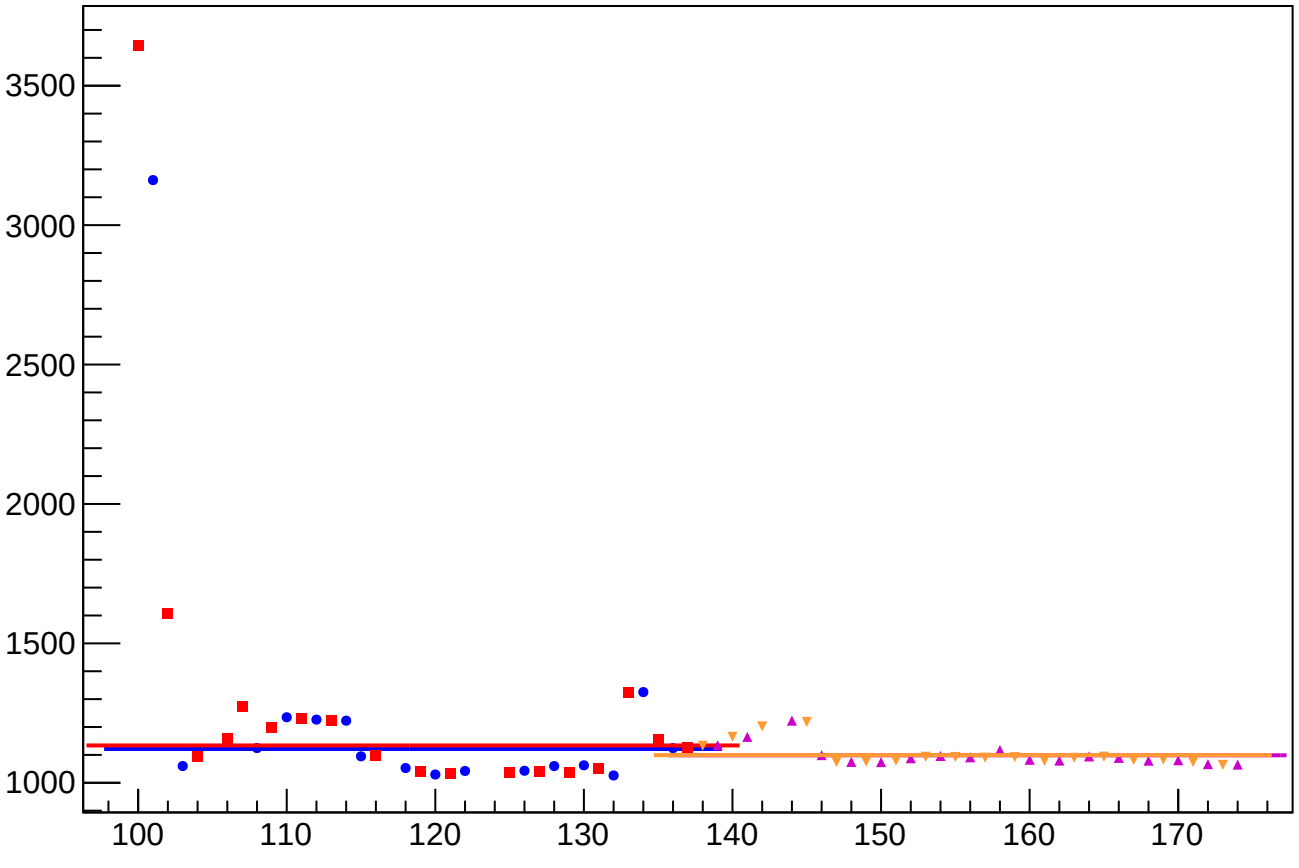
Left: 167.979+/-203.831 χ^2/NDF: 43.8/35

Right: 269.593+/-303.111 χ^2/NDF: 35.6/33

In: 111.510+/-236.952 χ^2/NDF:44.5/33

Out: 291.166+/-241.525 χ^2/NDF:34.8/35

All: 199.621+/-169.144 χ^2/NDF: 79.6/69



Right In: 1121.294+/-0.302 χ^2/NDF: 617028.4/15

Left Out: 1099.128+/-0.206 χ^2/NDF:35319.4/17

Right Out: 1133.929+/-0.305 χ^2/NDF: 227457.1/17

Left In: 1098.626+/-0.201 χ^2/NDF:33564.2/17

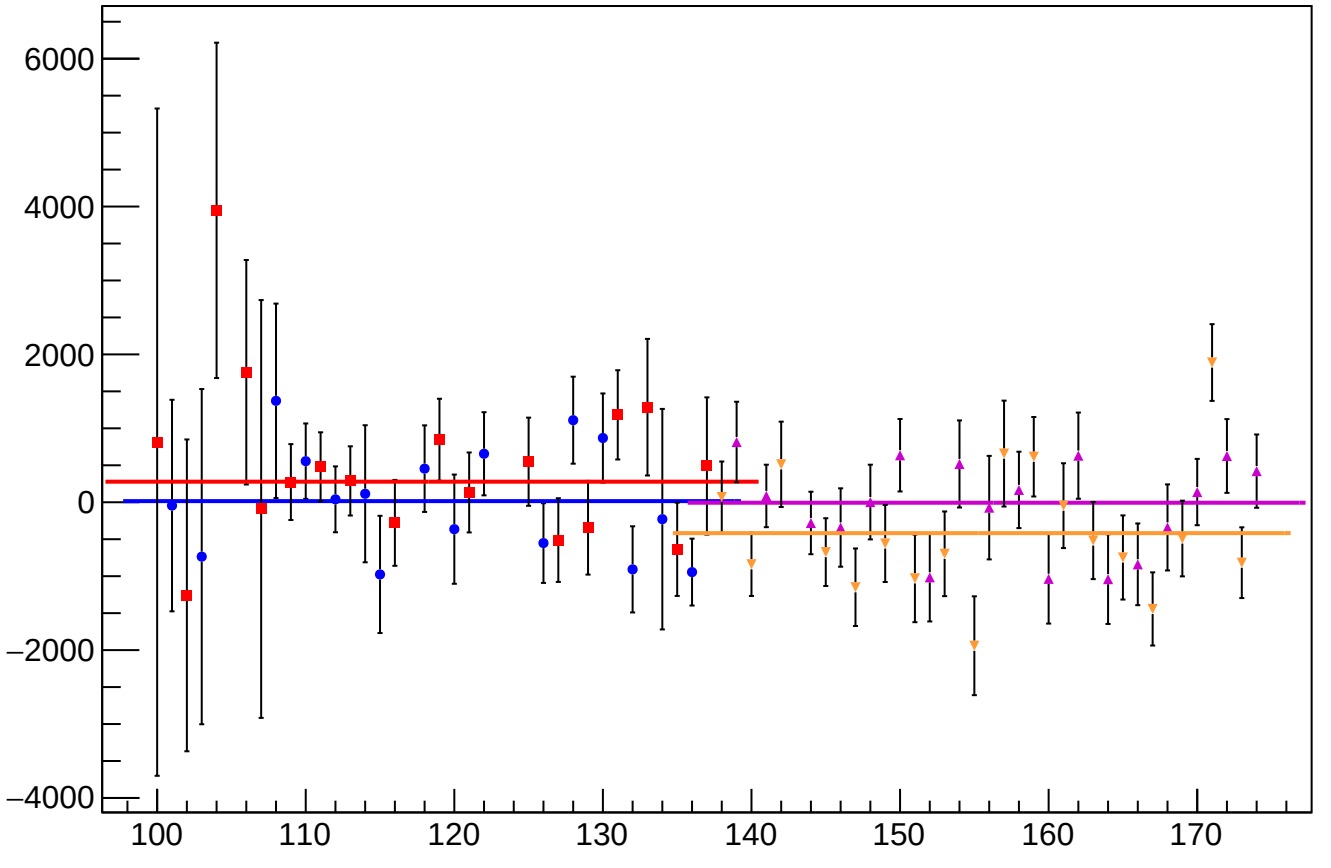
Left: 1098.871+/-0.144 χ^2/NDF: 68886.7/35

Right: 1127.550+/-0.214 χ^2/NDF: 845354.2/33

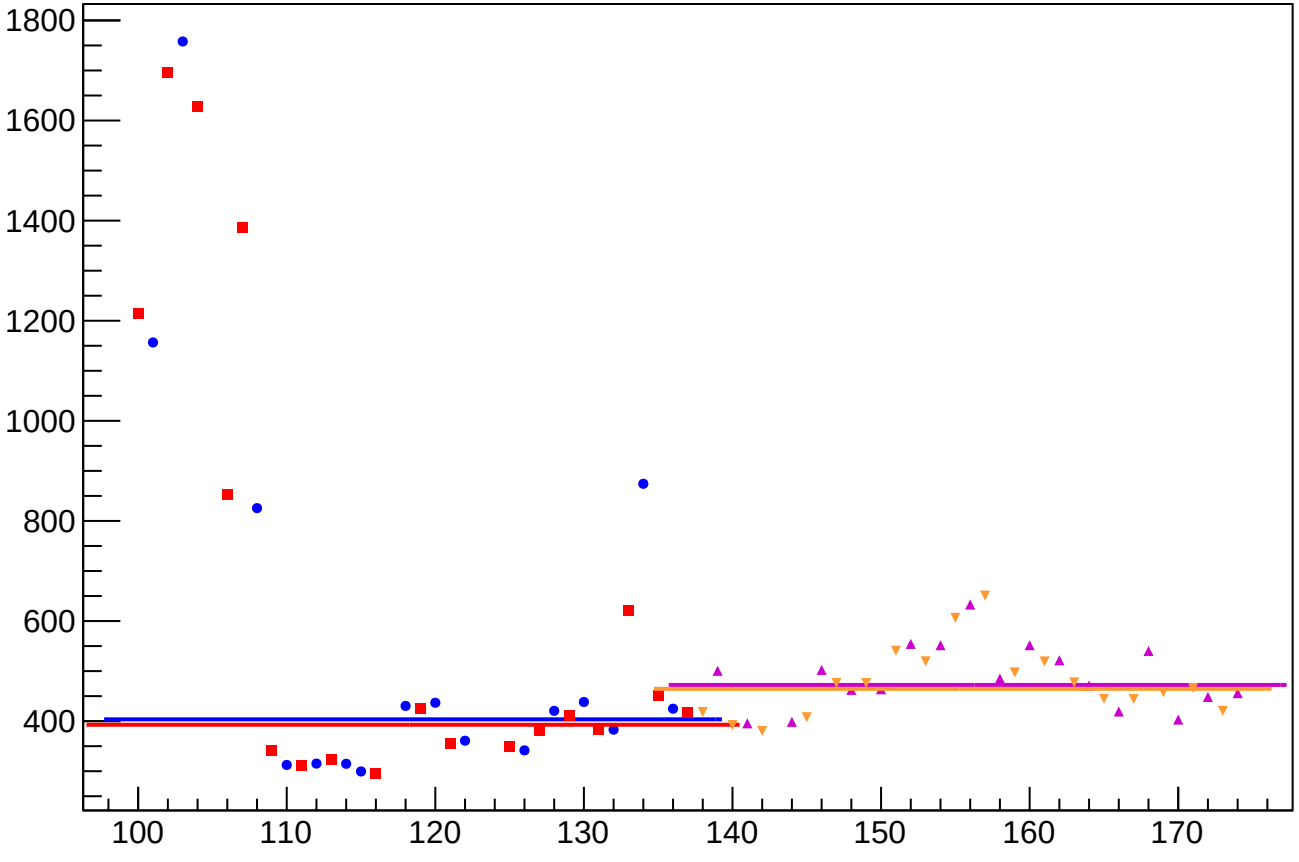
In: 1105.619+/-0.168 χ^2/NDF:654497.6/33

Out: 1110.069+/-0.171 χ^2/NDF:271726.6/35

All: 1107.801+/-0.120 χ^2/NDF: 926569.9/69


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 15.288+/-161.844 χ²/NDF: 19.6/15
Left Out: -417.728+/-124.834 χ²/NDF:45.0/17
Right Out: 278.249+/-158.826 χ²/NDF: 15.1/17
Left In: -6.443+/-123.692 χ²/NDF:20.7/17
Left: -210.195+/-87.864 χ²/NDF: 71.1/35
Right: 149.243+/-113.359 χ²/NDF: 36.0/33
In: 1.570+/-98.276 χ²/NDF:40.3/33
Out: -151.961+/-98.147 χ²/NDF:71.9/35
All: -75.297+/-69.446 χ²/NDF: 113.4/69

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 403.653+/-0.114 χ^2/NDF: 1929594.3/15

Left Out: 464.588+/-0.088 χ^2/NDF:477747.9/17

Right Out: 392.817+/-0.112 χ^2/NDF: 2203462.7/17

Left In: 472.352+/-0.087 χ^2/NDF:468930.9/17

Left: 468.506+/-0.062 χ^2/NDF: 950582.0/35

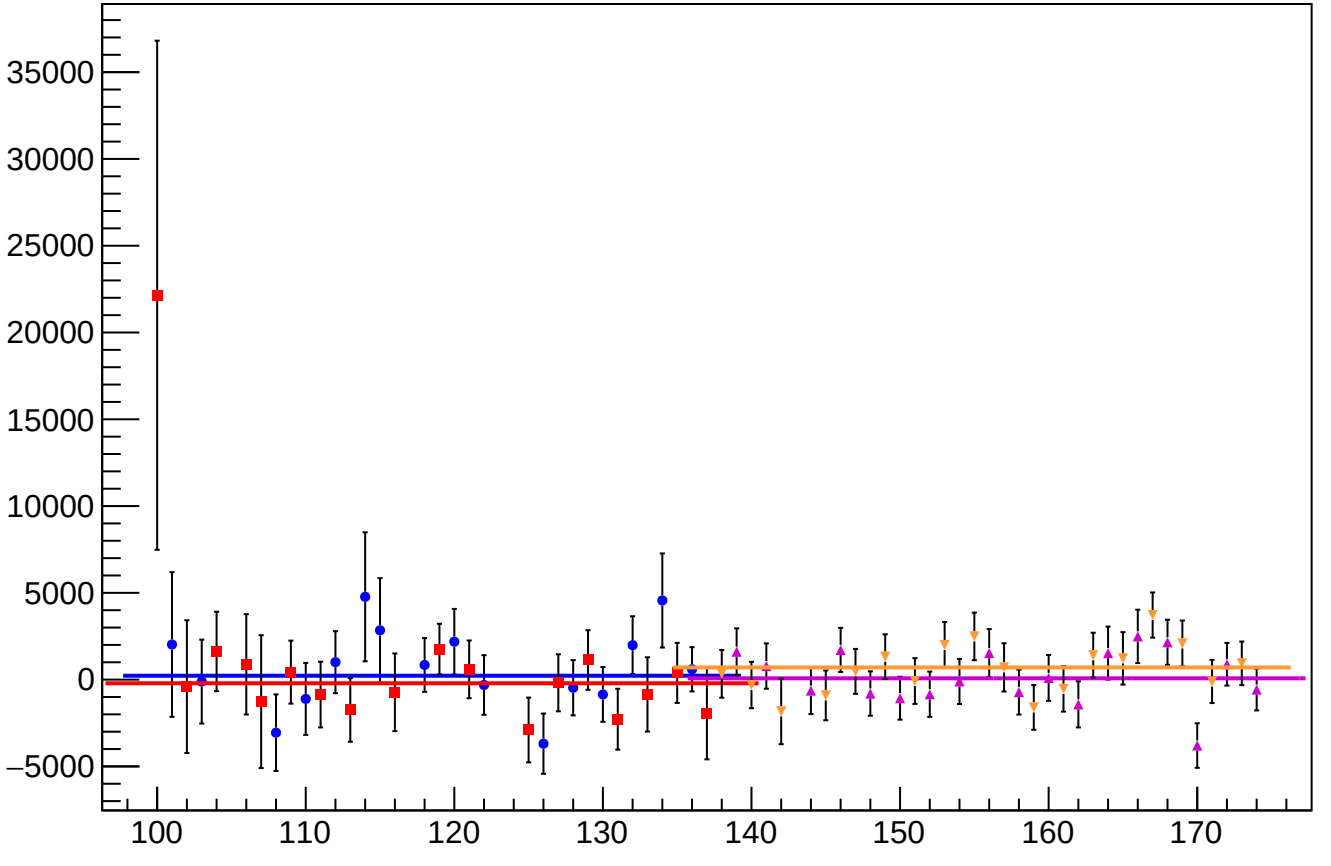
Right: 398.133+/-0.080 χ^2/NDF: 4137623.7/33

In: 447.021+/-0.069 χ^2/NDF:2626011.0/33

Out: 437.182+/-0.069 χ^2/NDF:2933656.3/35

All: 442.095+/-0.049 χ^2/NDF: 5569703.6/69

asym_us_dd_atlr_dd_dd_mean vs Slug, Sign Corrected



Right In: 224.817+/-474.559 χ^2/NDF: 16.1/15

Left Out: 701.527+/-317.555 χ^2/NDF:18.4/17

Right Out: -209.751+/-477.820 χ^2/NDF: 11.0/17

Left In: 75.242+/-309.943 χ^2/NDF:23.9/17

Left: 380.789+/-221.805 χ^2/NDF: 44.3/35

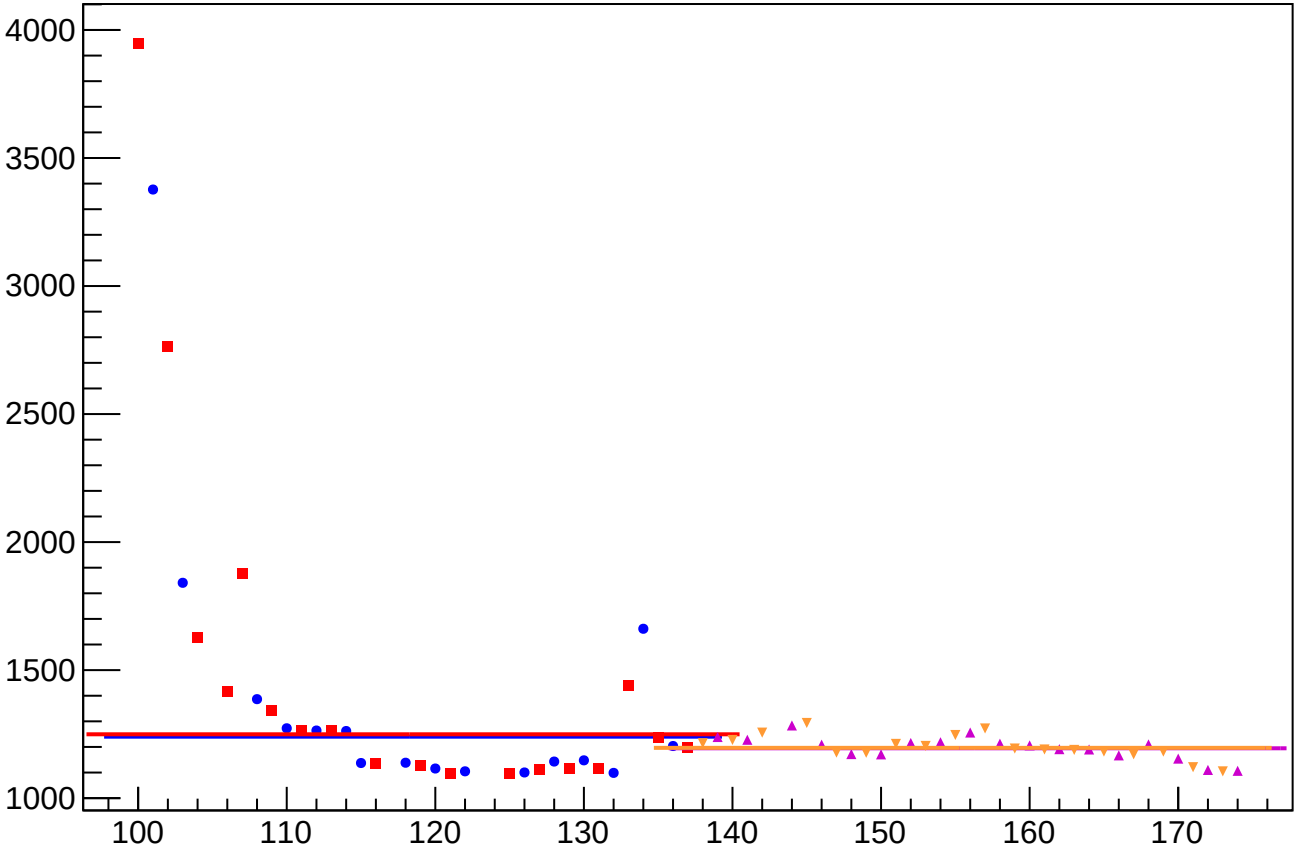
Right: 9.021+/-336.711 χ^2/NDF: 27.5/33

In: 119.967+/-259.500 χ^2/NDF:40.0/33

Out: 422.343+/-264.475 χ^2/NDF:31.9/35

All: 268.285+/-185.228 χ^2/NDF: 72.6/69

asym_us_dd_atlr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1240.140+/-0.336 χ^2/NDF: 782679.7/15

Left Out: 1196.446+/-0.225 χ^2/NDF:41771.7/17

Right Out: 1249.410+/-0.338 χ^2/NDF: 606099.2/17

Left In: 1194.750+/-0.219 χ^2/NDF:42430.8/17

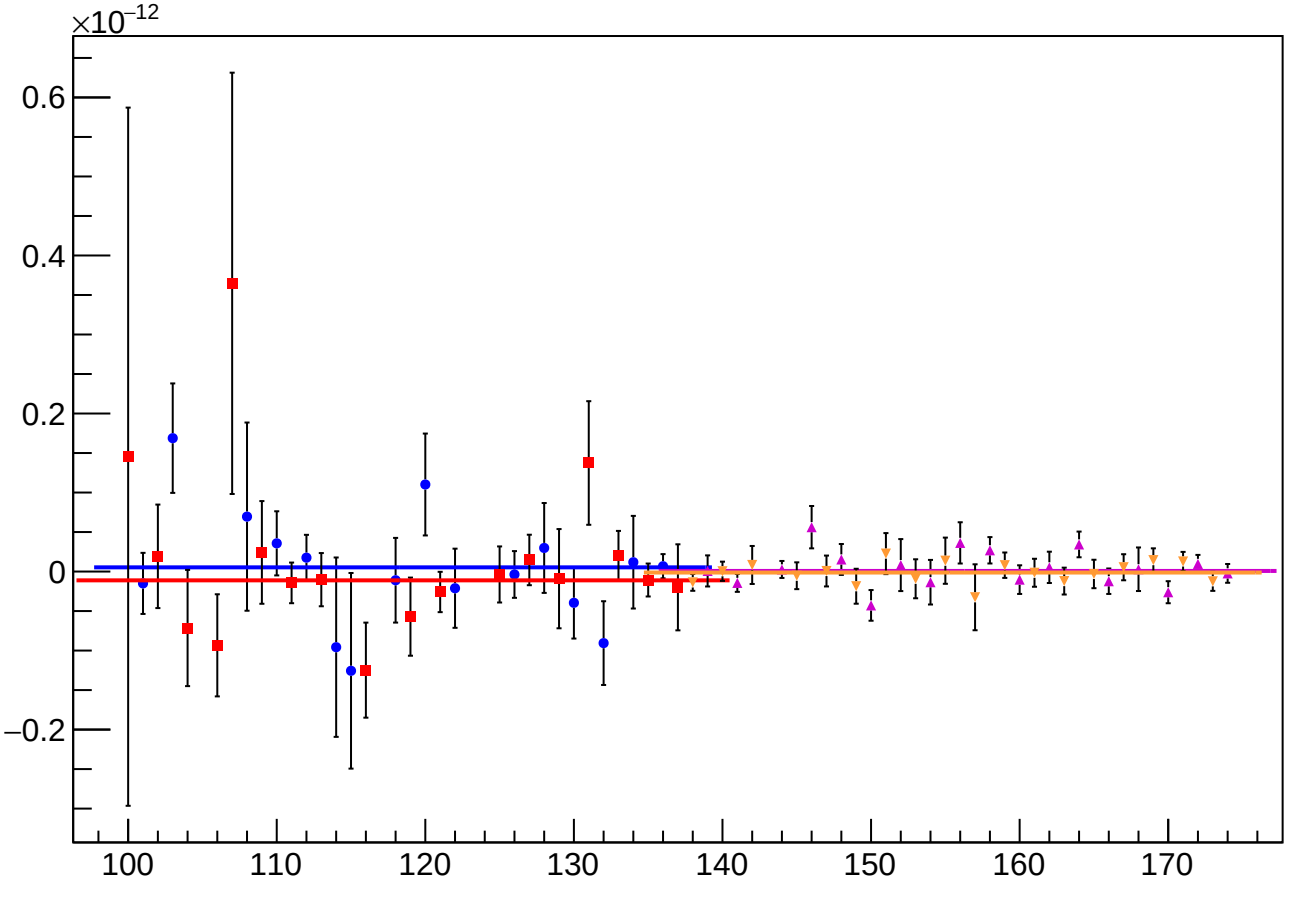
Left: 1195.577+/-0.157 χ^2/NDF: 84231.7/35

Right: 1244.743+/-0.238 χ^2/NDF: 1389157.9/33

In: 1208.323+/-0.183 χ^2/NDF:837935.8/33

Out: 1212.672+/-0.187 χ^2/NDF:664916.3/35

All: 1210.456+/-0.131 χ^2/NDF: 1503127.8/69



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:8.2/17

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

Left In: 0.000+/-0.000 χ^2/NDF:26.0/17

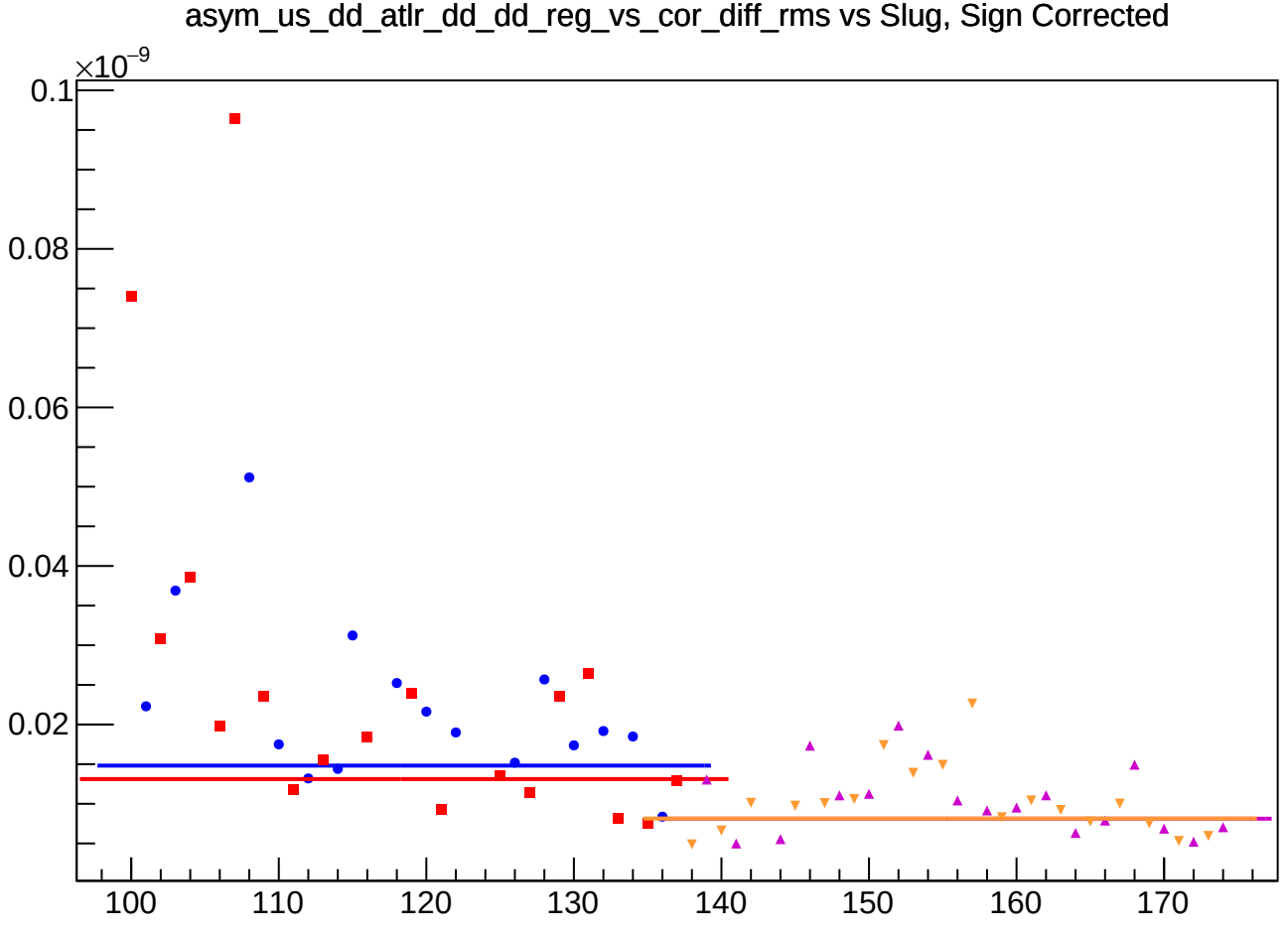
Left: -0.000+/-0.000 χ^2/NDF: 34.4/35

Right: -0.000+/-0.000 χ^2/NDF: 32.9/33

In: 0.000+/-0.000 χ^2/NDF:42.6/33

Out: -0.000+/-0.000 χ^2/NDF:24.2/35

All: -0.000+/-0.000 χ^2/NDF: 67.4/69



Right In: 0.000+/-0.000 χ^2/NDF: 1081472.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1255650.5/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1181949.6/17

Left In: 0.000+/-0.000 χ^2/NDF:1533903.4/17

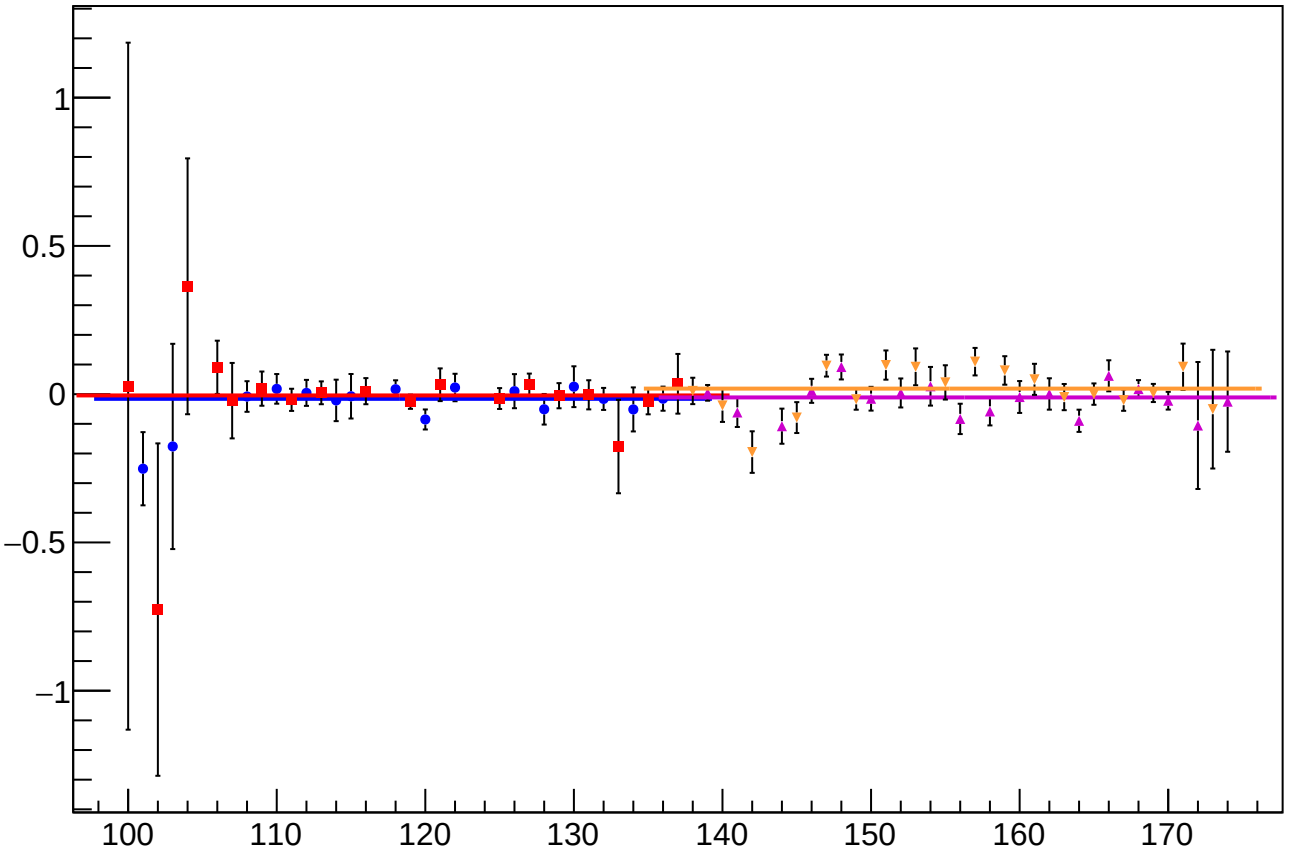
Left: 0.000+/-0.000 χ^2/NDF: 2789583.8/35

Right: 0.000+/-0.000 χ^2/NDF: 2295265.5/33

In: 0.000+/-0.000 χ^2/NDF:3446609.7/33

Out: 0.000+/-0.000 χ^2/NDF:2919135.4/35

All: 0.000+/-0.000 χ^2/NDF: 6367838.6/69



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

Left: 0.003+/-0.007 χ^2/NDF: 57.8/35

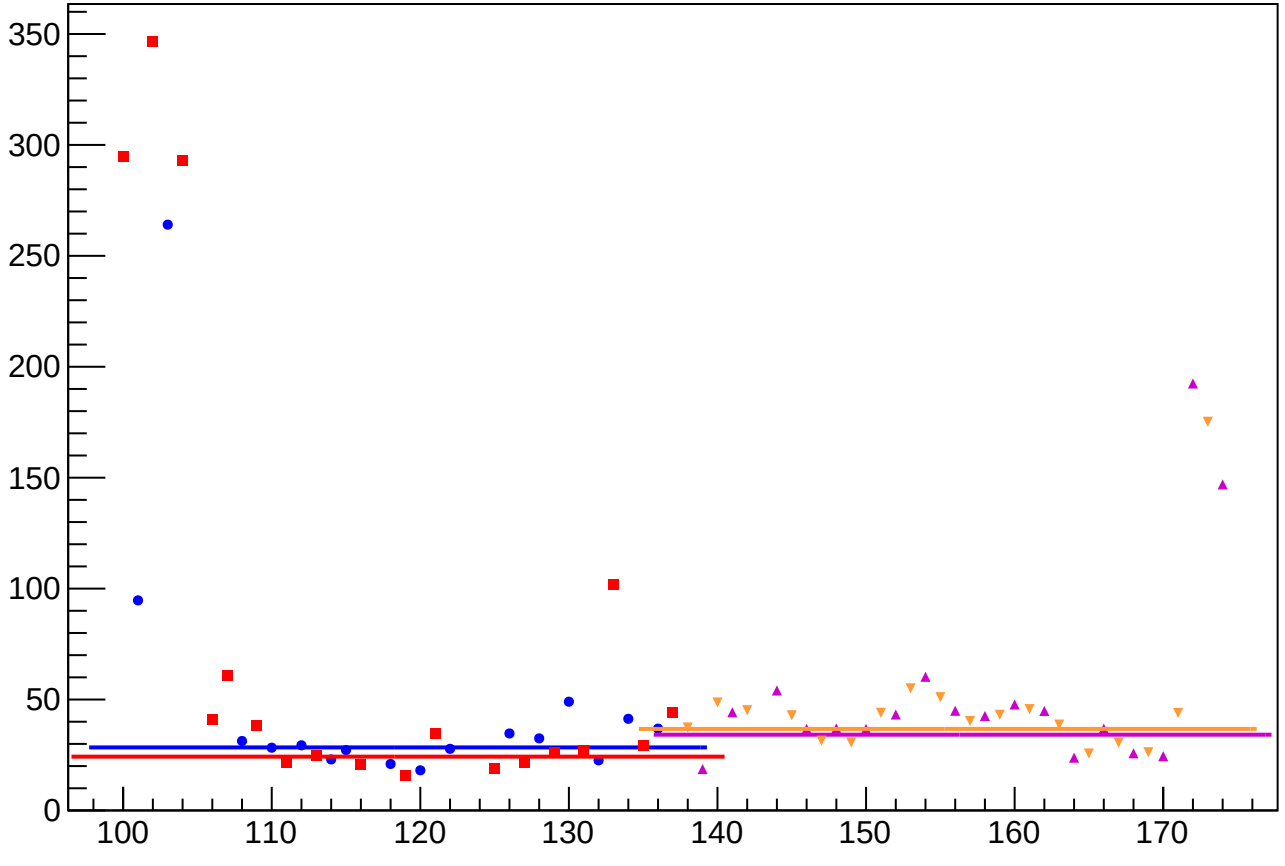
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/69

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.757+/-0.008 χ^2/NDF:2158403.2/17

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

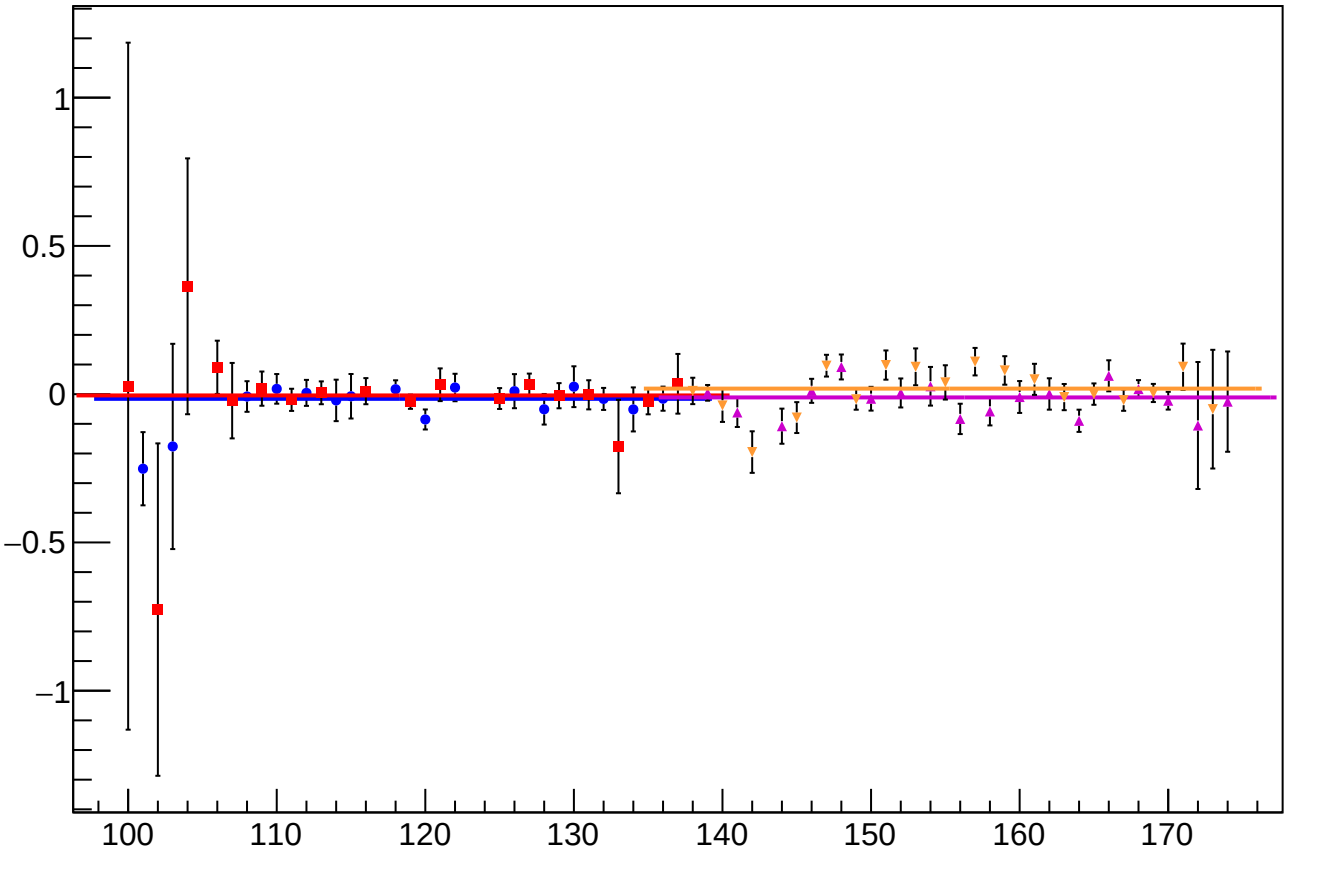
Left: 35.385+/-0.005 χ^2/NDF: 6497509.2/35

Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.791+/-0.006 χ^2/NDF:6780289.4/33

Out: 30.837+/-0.006 χ^2/NDF:6329695.6/35

All: 31.313+/-0.004 χ^2/NDF: 13124648.5/69



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.5/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

Left: 0.003+/-0.007 χ^2/NDF: 57.8/35

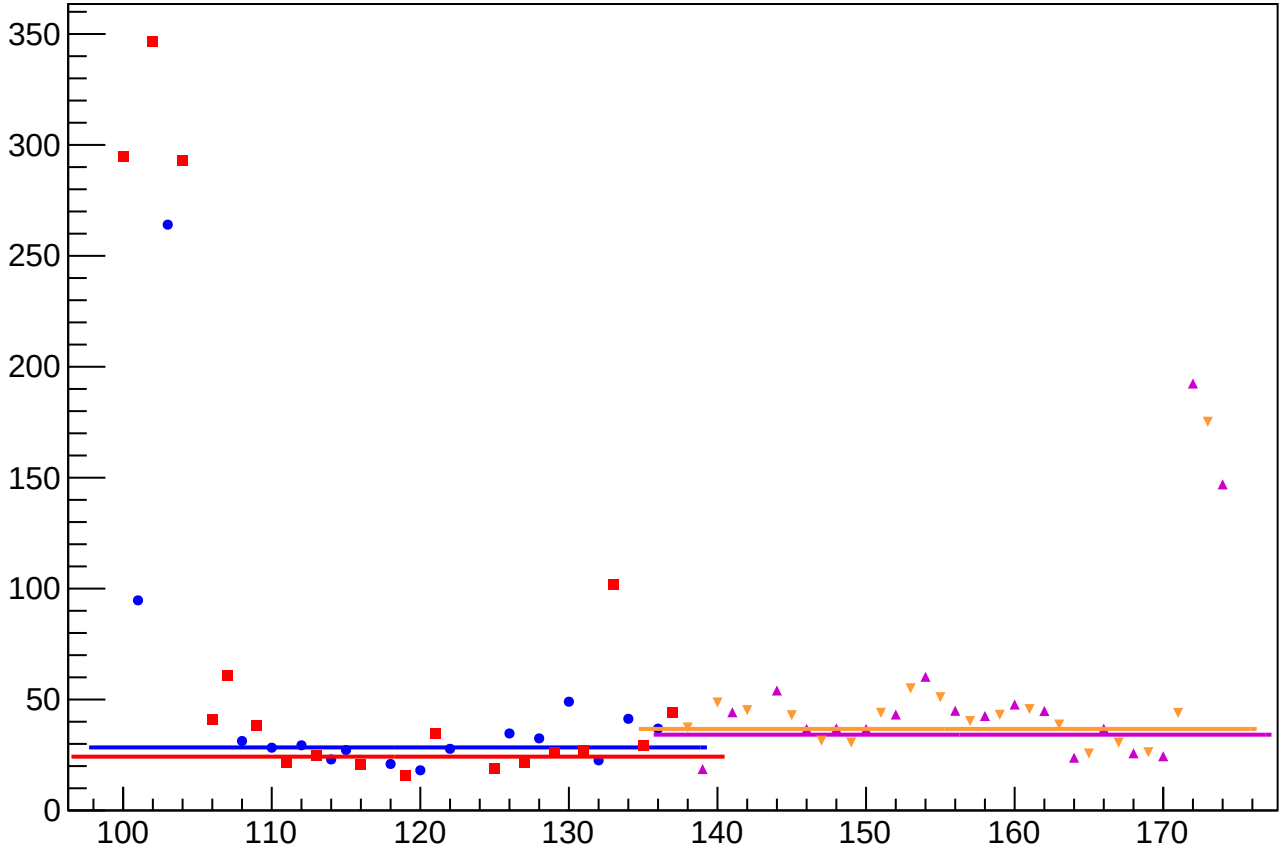
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/69

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245642.8/15

Left Out: 36.757+/-0.008 χ^2/NDF:2158403.2/17

Right Out: 24.255+/-0.008 χ^2/NDF: 2913469.3/17

Left In: 34.152+/-0.007 χ^2/NDF:4278394.1/17

Left: 35.385+/-0.005 χ^2/NDF: 6497509.2/35

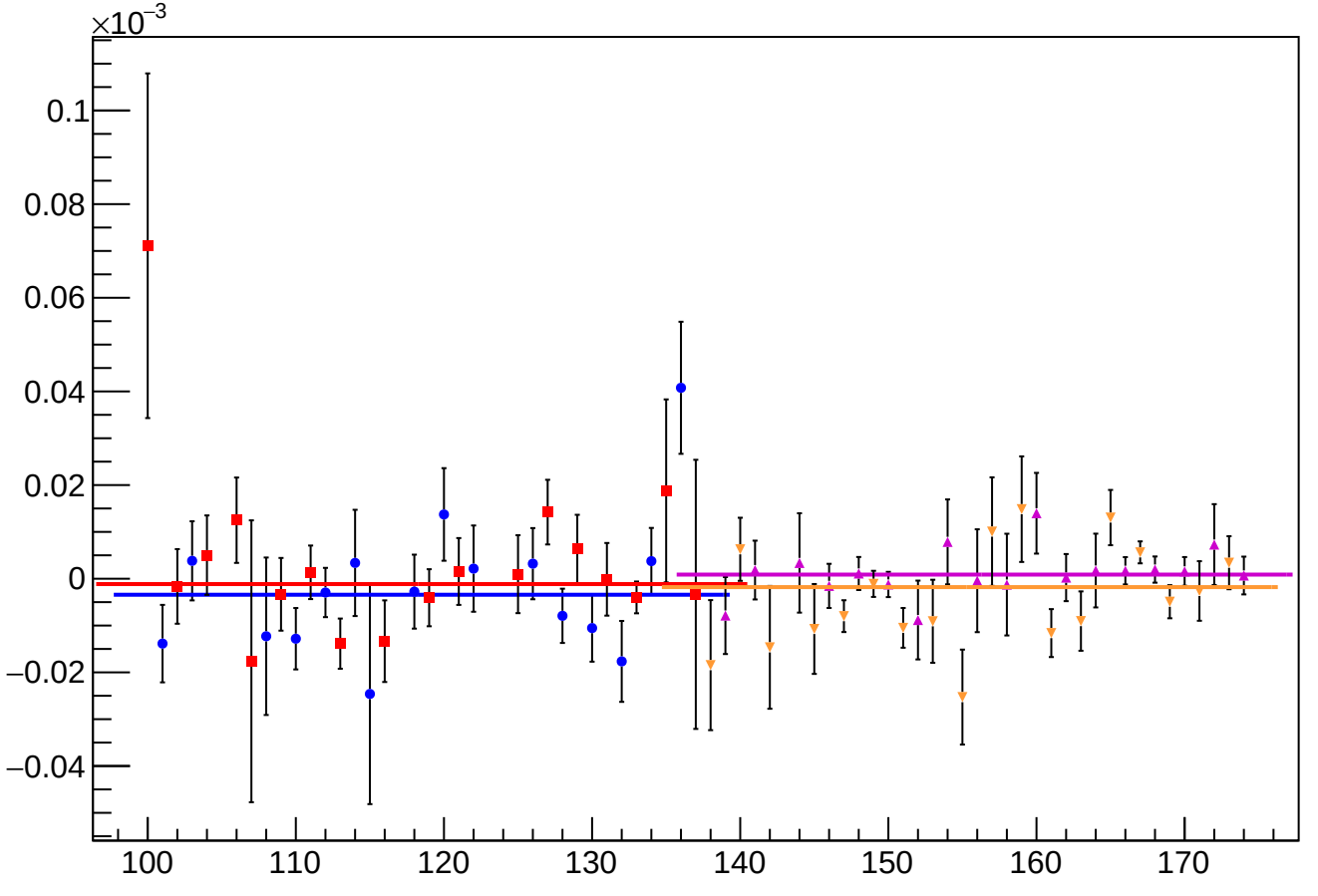
Right: 26.181+/-0.006 χ^2/NDF: 5281459.7/33

In: 31.791+/-0.006 χ^2/NDF:6780289.4/33

Out: 30.837+/-0.006 χ^2/NDF:6329695.6/35

All: 31.313+/-0.004 χ^2/NDF: 13124648.5/69

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.6/17

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/17

Left In: 0.000+/-0.000 χ^2/NDF:7.2/17

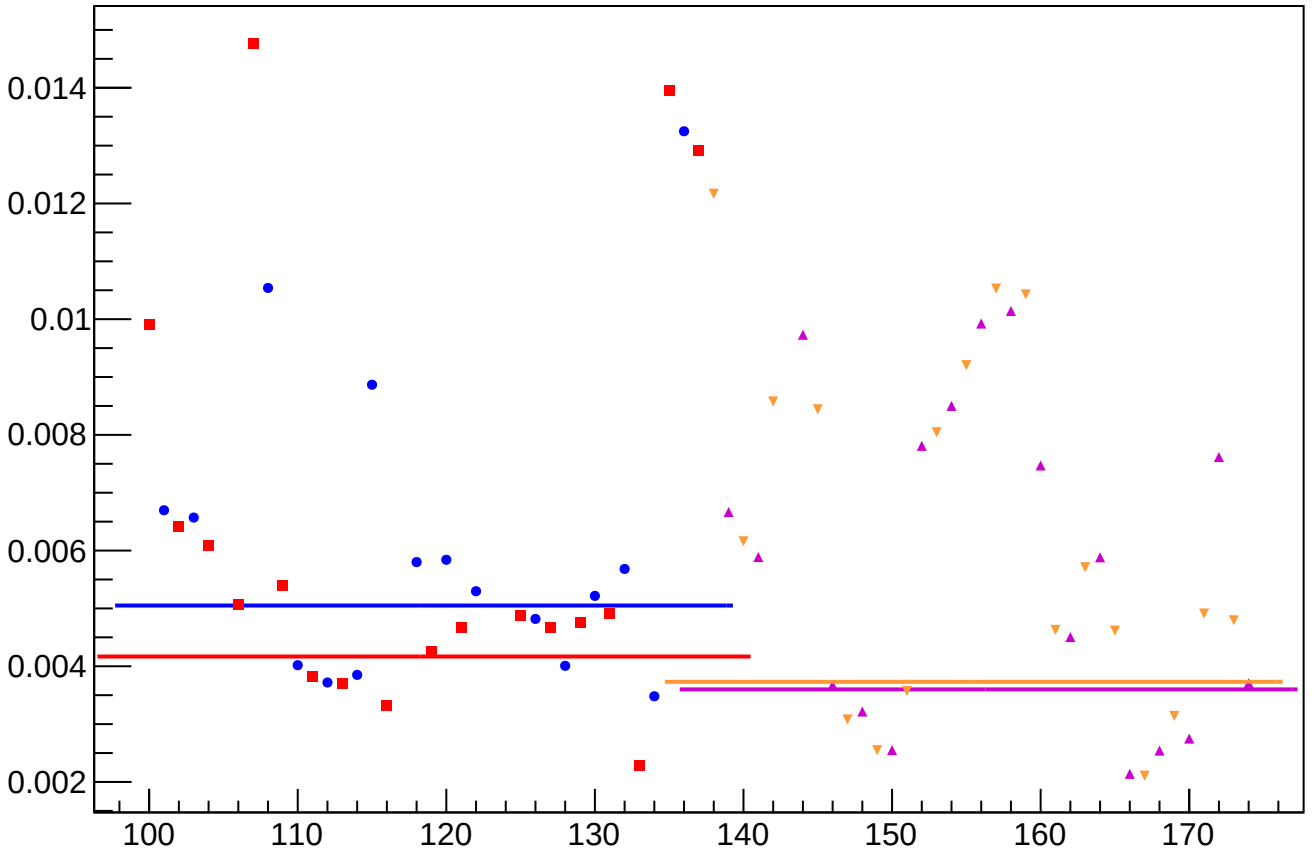
Left: -0.000+/-0.000 χ^2/NDF: 54.7/35

Right: -0.000+/-0.000 χ^2/NDF: 48.9/33

In: -0.000+/-0.000 χ^2/NDF:35.9/33

Out: -0.000+/-0.000 χ^2/NDF:67.6/35

All: -0.000+/-0.000 χ^2/NDF: 104.8/69



Right In: 0.005+/-0.000 χ^2/NDF: 1494215.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:6091982.3/17

Right Out: 0.004+/-0.000 χ^2/NDF: 2041975.6/17

Left In: 0.004+/-0.000 χ^2/NDF:6025865.9/17

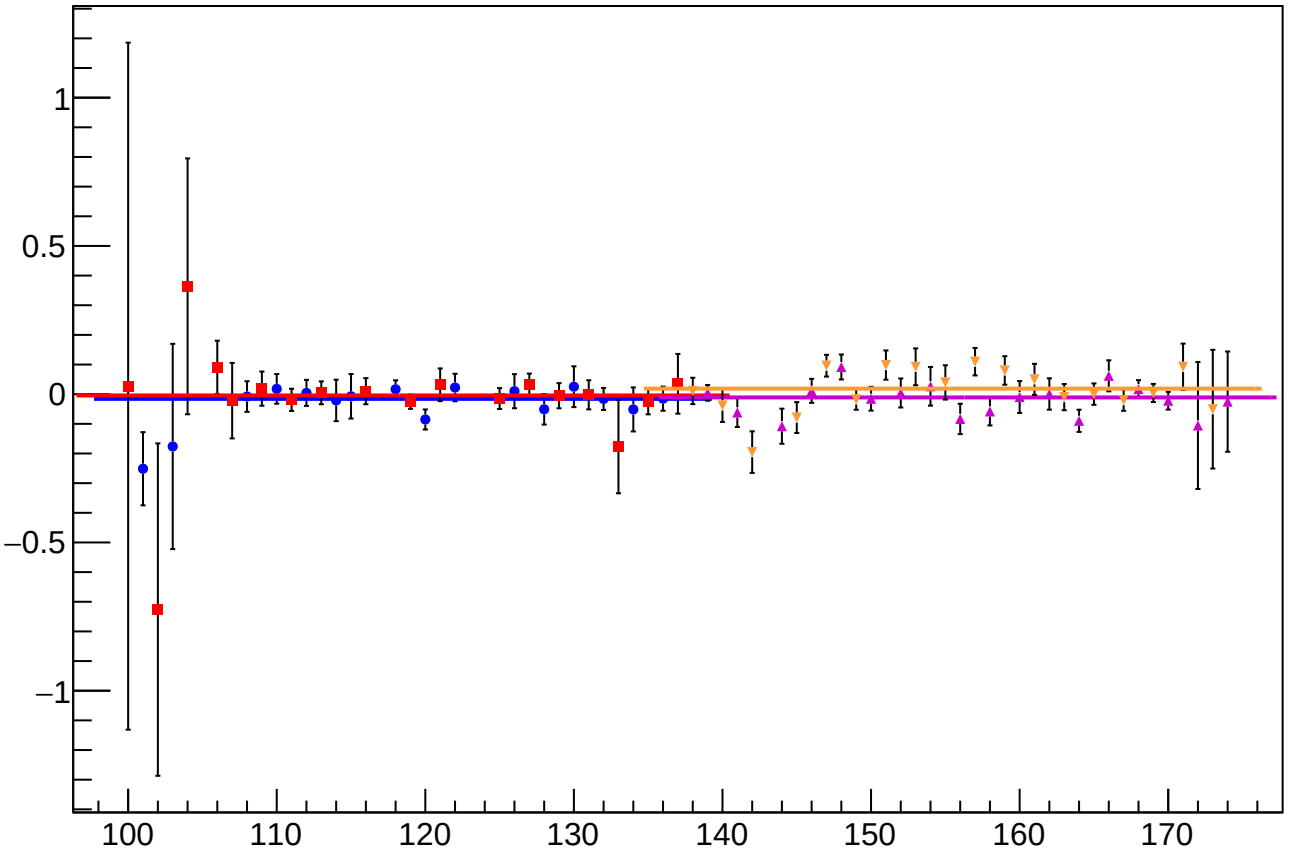
Left: 0.004+/-0.000 χ^2/NDF: 12131580.3/35

Right: 0.005+/-0.000 χ^2/NDF: 3758667.6/33

In: 0.004+/-0.000 χ^2/NDF:8317457.6/33

Out: 0.004+/-0.000 χ^2/NDF:8225273.6/35

All: 0.004+/-0.000 χ^2/NDF: 16546102.0/69



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.4/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

Left: 0.003+/-0.007 χ^2/NDF: 57.8/35

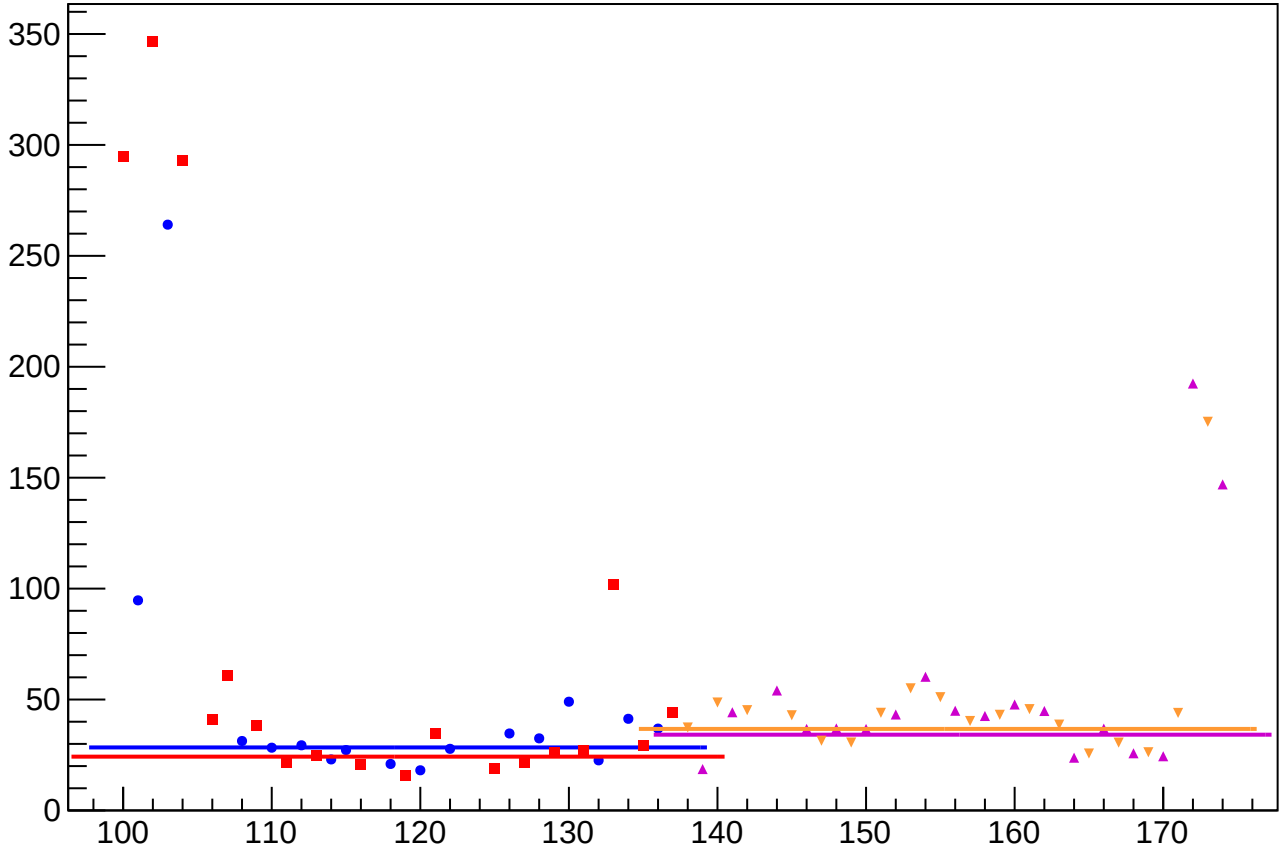
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/69

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 36.756+/-0.008 χ^2/NDF:2158575.5/17

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

Left: 35.385+/-0.005 χ^2/NDF: 6498084.8/35

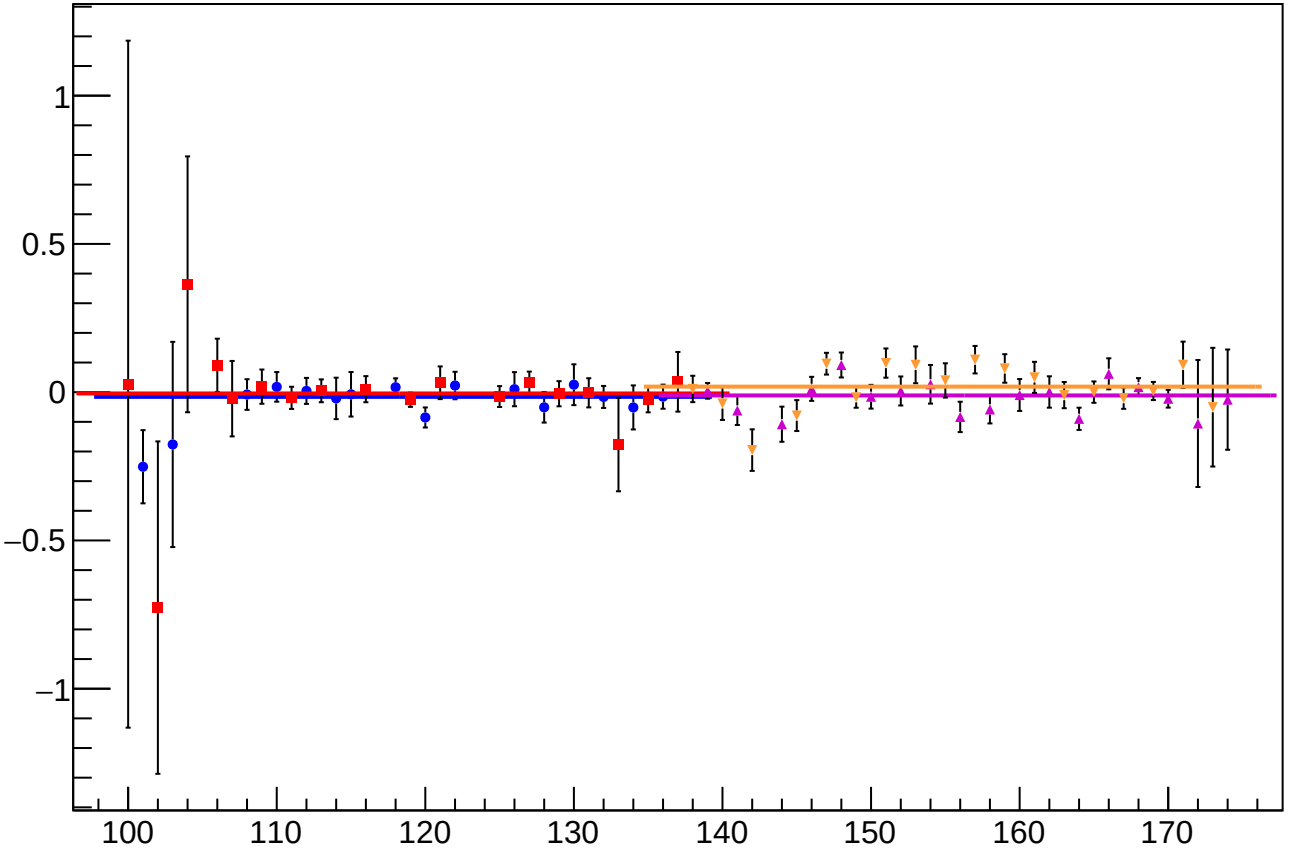
Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.791+/-0.006 χ^2/NDF:6780689.4/33

Out: 30.836+/-0.006 χ^2/NDF:6330418.0/35

All: 31.312+/-0.004 χ^2/NDF: 13125802.0/69

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.012 χ^2/NDF: 11.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:32.4/17

Right Out: -0.004+/-0.011 χ^2/NDF: 7.9/17

Left In: -0.011+/-0.010 χ^2/NDF:21.4/17

Left: 0.003+/-0.007 χ^2/NDF: 57.8/35

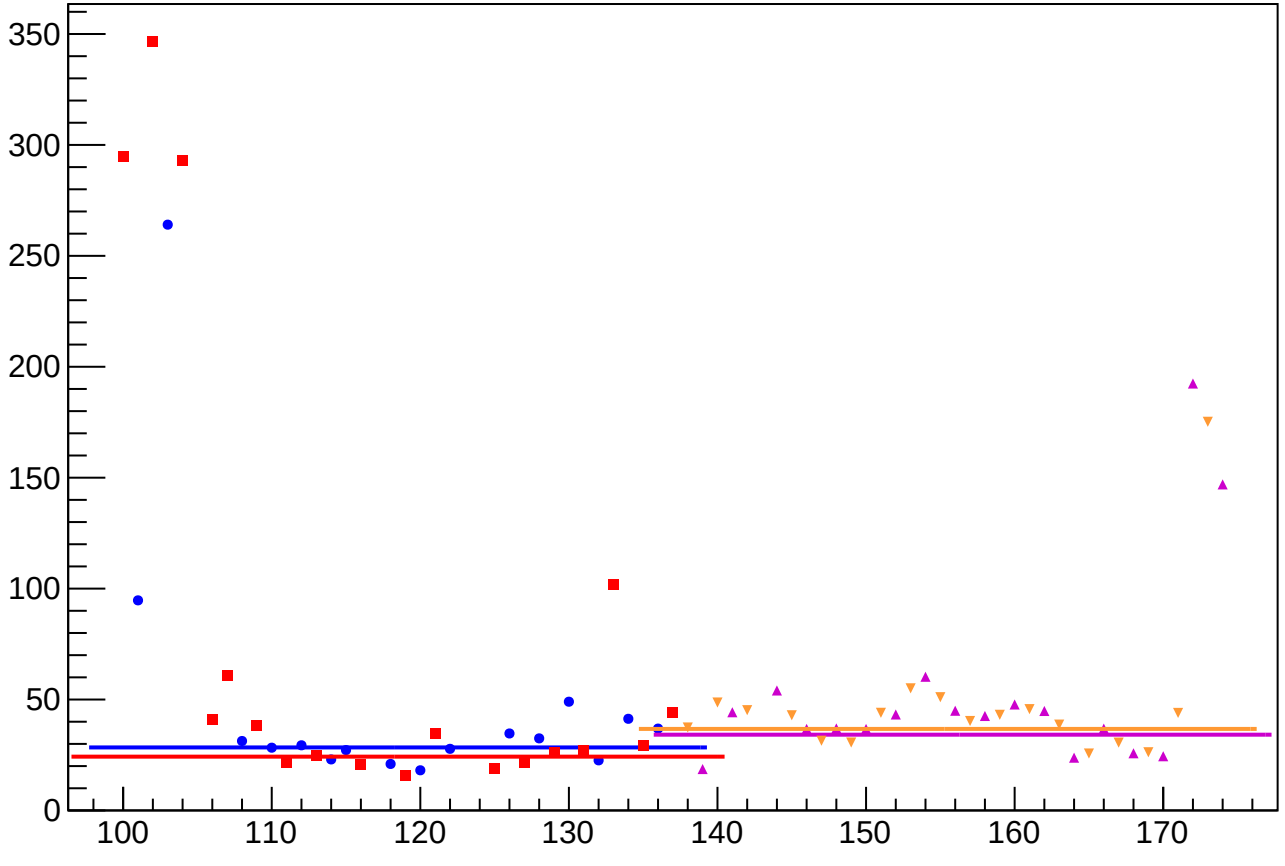
Right: -0.010+/-0.008 χ^2/NDF: 20.2/33

In: -0.013+/-0.008 χ^2/NDF:33.4/33

Out: 0.008+/-0.008 χ^2/NDF:42.4/35

All: -0.002+/-0.006 χ^2/NDF: 79.3/69

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 28.411+/-0.009 χ^2/NDF: 2245663.3/15

Left Out: 36.756+/-0.008 χ^2/NDF:2158575.5/17

Right Out: 24.254+/-0.008 χ^2/NDF: 2913710.0/17

Left In: 34.152+/-0.007 χ^2/NDF:4278798.1/17

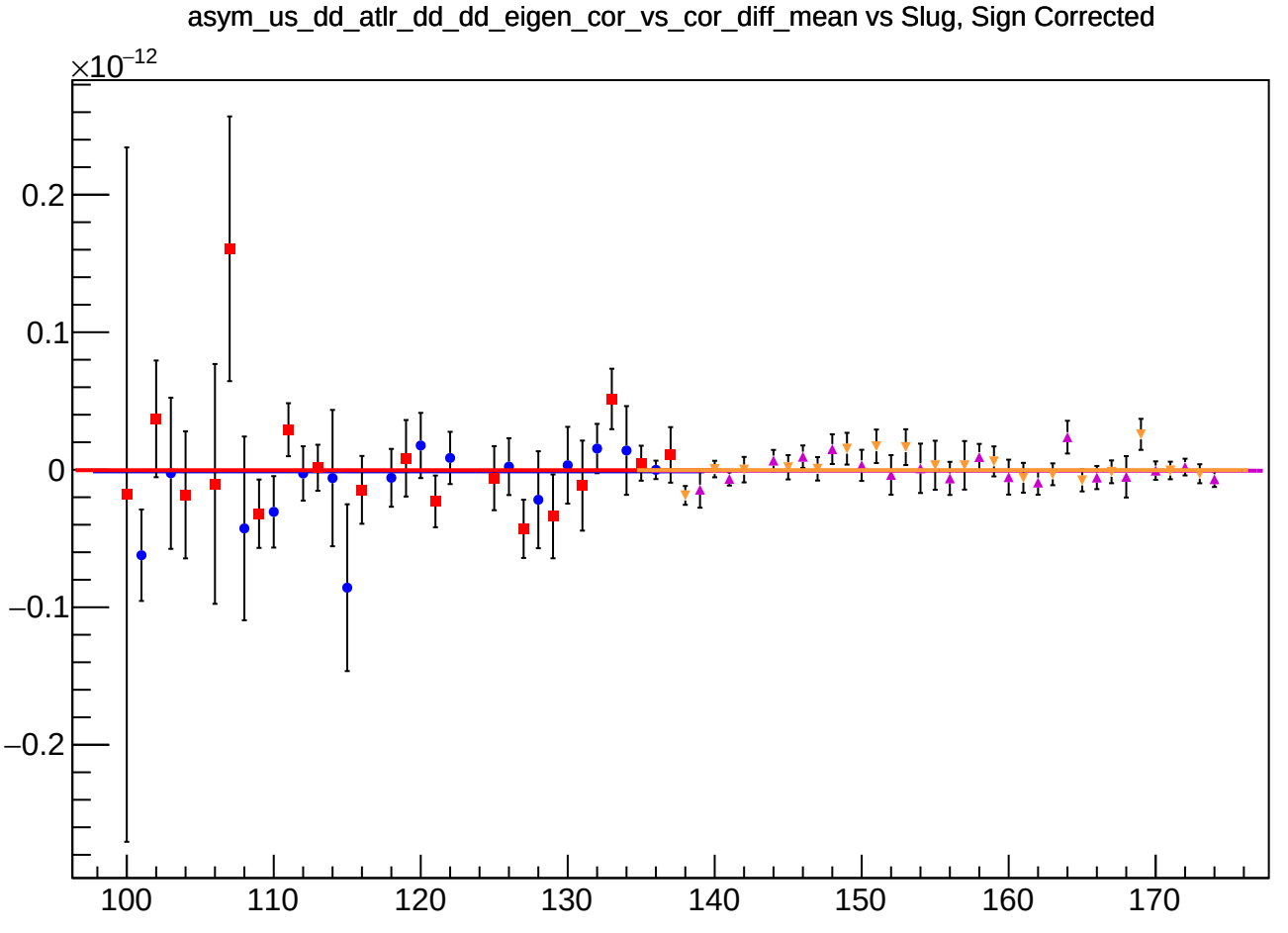
Left: 35.385+/-0.005 χ^2/NDF: 6498084.8/35

Right: 26.180+/-0.006 χ^2/NDF: 5281817.4/33

In: 31.791+/-0.006 χ^2/NDF:6780689.4/33

Out: 30.836+/-0.006 χ^2/NDF:6330418.0/35

All: 31.312+/-0.004 χ^2/NDF: 13125802.0/69



Right In: -0.000+/-0.000 χ^2/NDF: 9.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.0/17

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/17

Left In: -0.000+/-0.000 χ^2/NDF:15.7/17

Left: -0.000+/-0.000 χ^2/NDF: 35.7/35

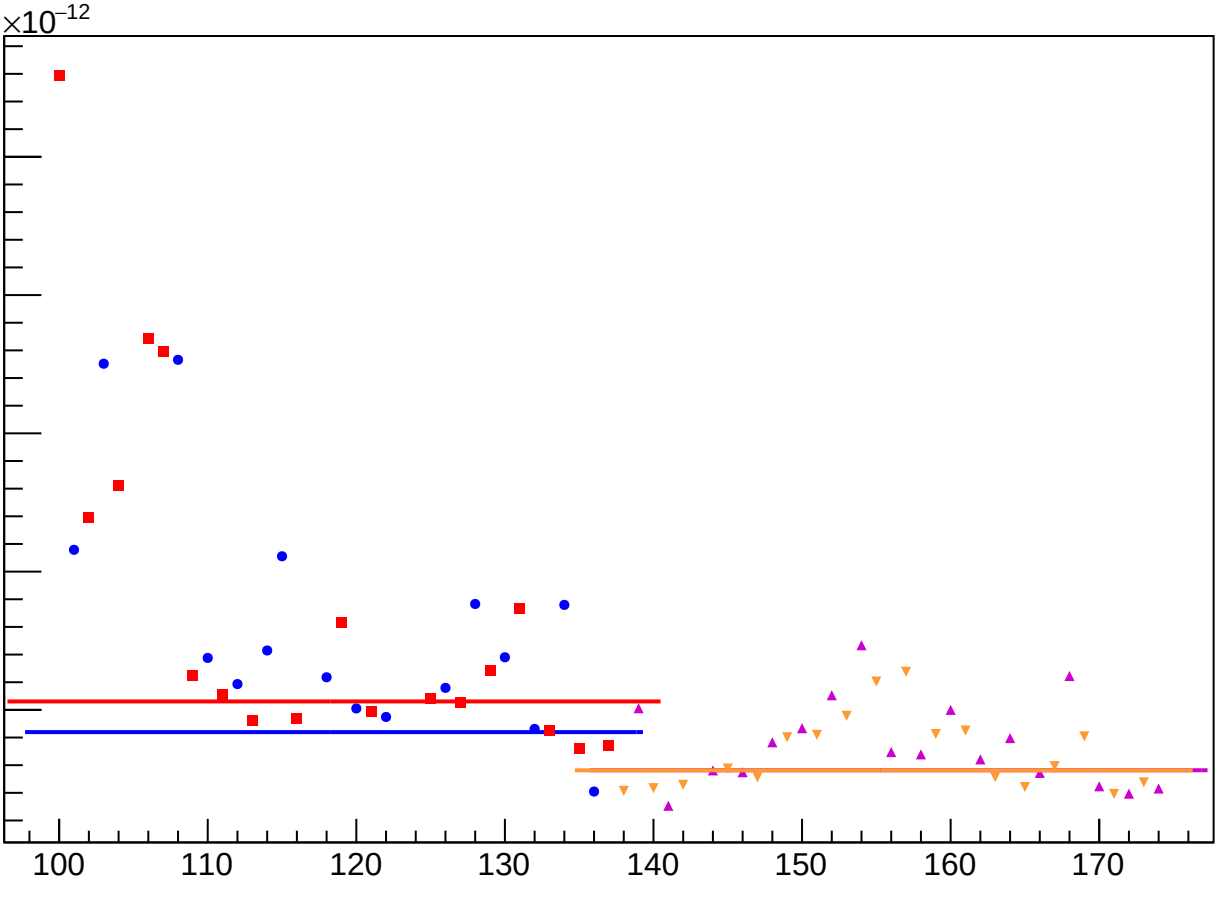
Right: -0.000+/-0.000 χ^2/NDF: 30.5/33

In: -0.000+/-0.000 χ^2/NDF:25.1/33

Out: -0.000+/-0.000 χ^2/NDF:41.1/35

All: -0.000+/-0.000 χ^2/NDF: 66.2/69

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2710106.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:1744907.9/17

Right Out: 0.000+/-0.000 χ^2/NDF: 1233909.7/17

Left In: 0.000+/-0.000 χ^2/NDF:2911663.2/17

Left: 0.000+/-0.000 χ^2/NDF: 4656581.9/35

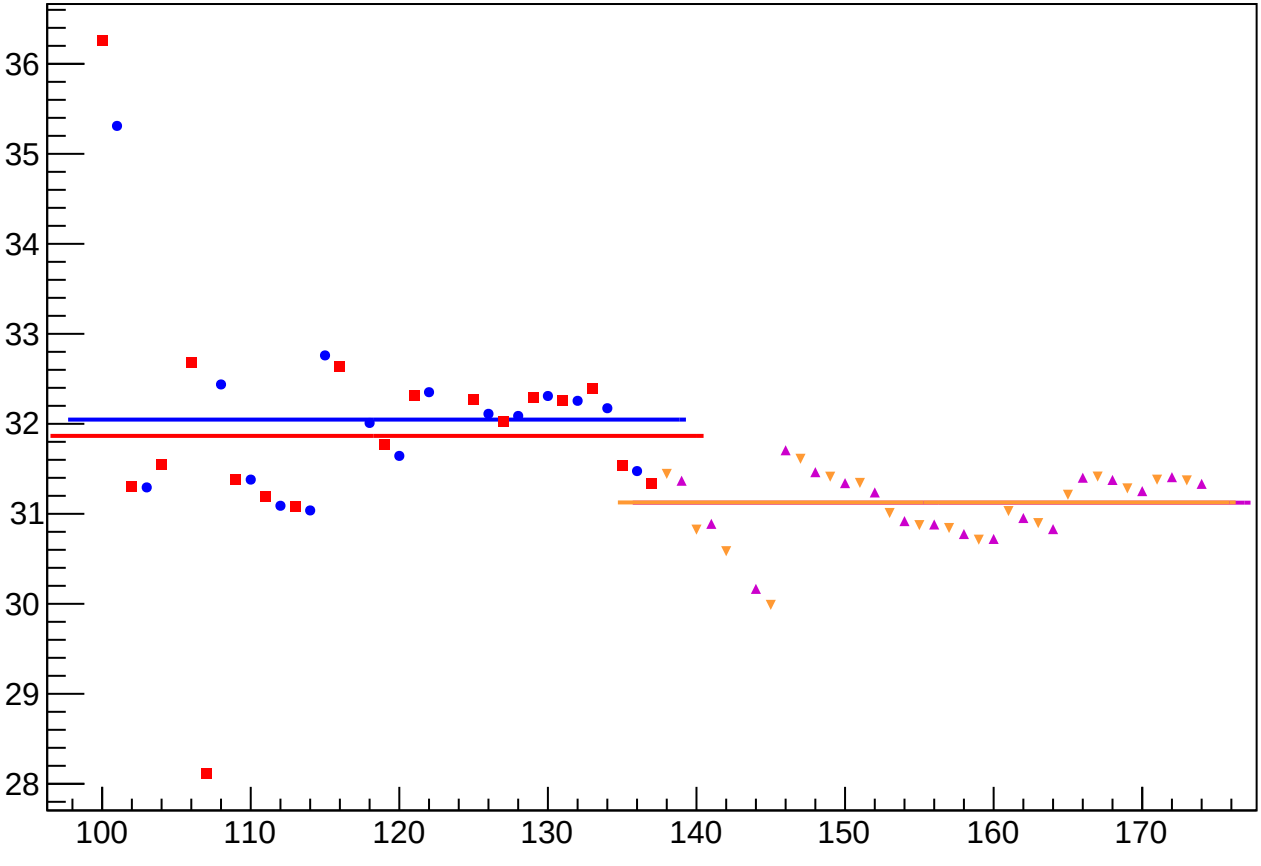
Right: 0.000+/-0.000 χ^2/NDF: 4124908.8/33

In: 0.000+/-0.000 χ^2/NDF:6188053.0/33

Out: 0.000+/-0.000 χ^2/NDF:4362689.4/35

All: 0.000+/-0.000 χ^2/NDF: 10559782.2/69

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.047+/-0.000 χ^2/NDF: 898593424.6/15

Left Out: 31.126+/-0.000 χ^2/NDF:268076128.4/17

Right Out: 31.866+/-0.000 χ^2/NDF: 485941075.6/17

Left In: 31.124+/-0.000 χ^2/NDF:273929093.5/17

Left: 31.125+/-0.000 χ^2/NDF: 542012226.3/35

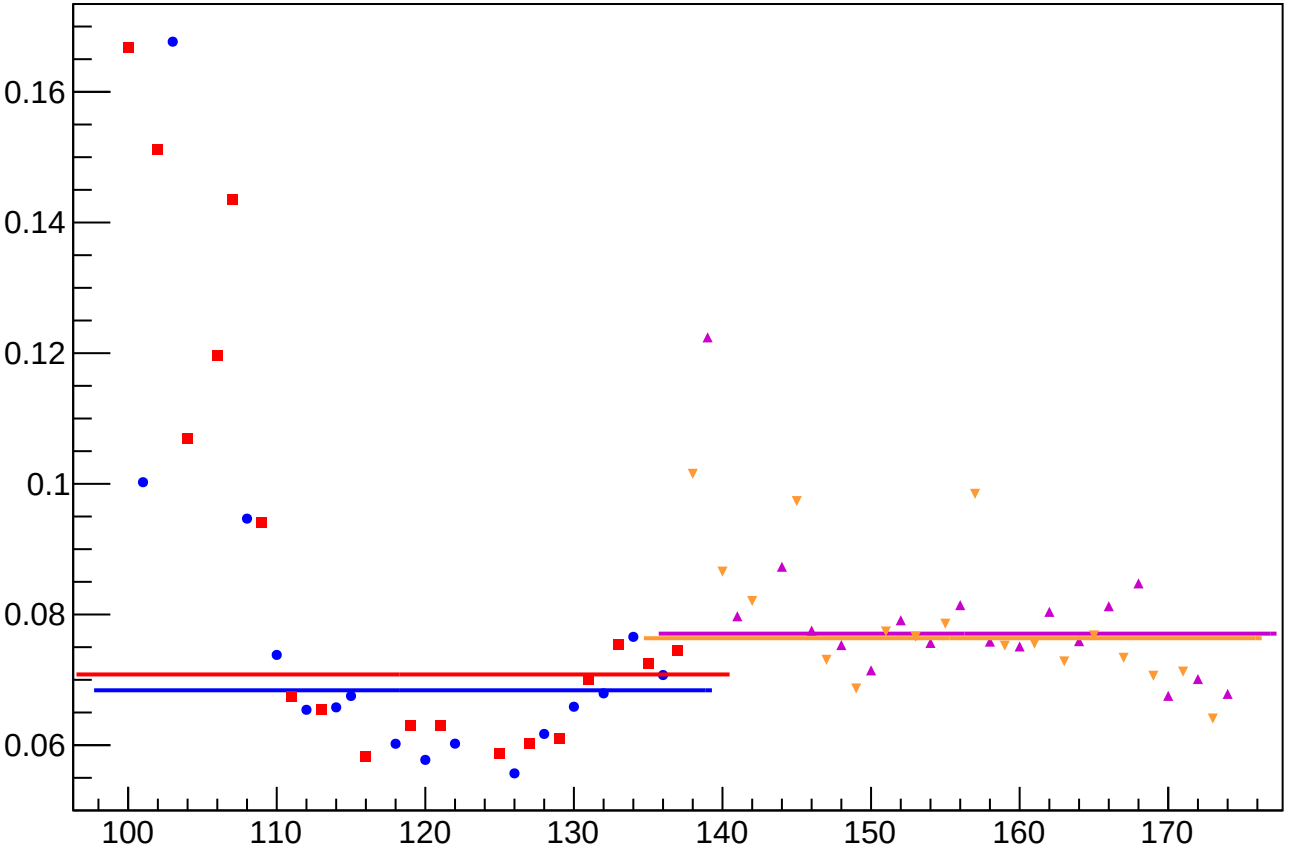
Right: 31.960+/-0.000 χ^2/NDF: 1405663241.1/33

In: 31.468+/-0.000 χ^2/NDF:1886912032.9/33

Out: 31.395+/-0.000 χ^2/NDF:1186679078.5/35

All: 31.432+/-0.000 χ^2/NDF: 3083166118.6/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 703207.9/15

Left Out: 0.076+/-0.000 χ^2/NDF:351312.2/17

Right Out: 0.071+/-0.000 χ^2/NDF: 868237.4/17

Left In: 0.077+/-0.000 χ^2/NDF:351332.9/17

Left: 0.077+/-0.000 χ^2/NDF: 703741.0/35

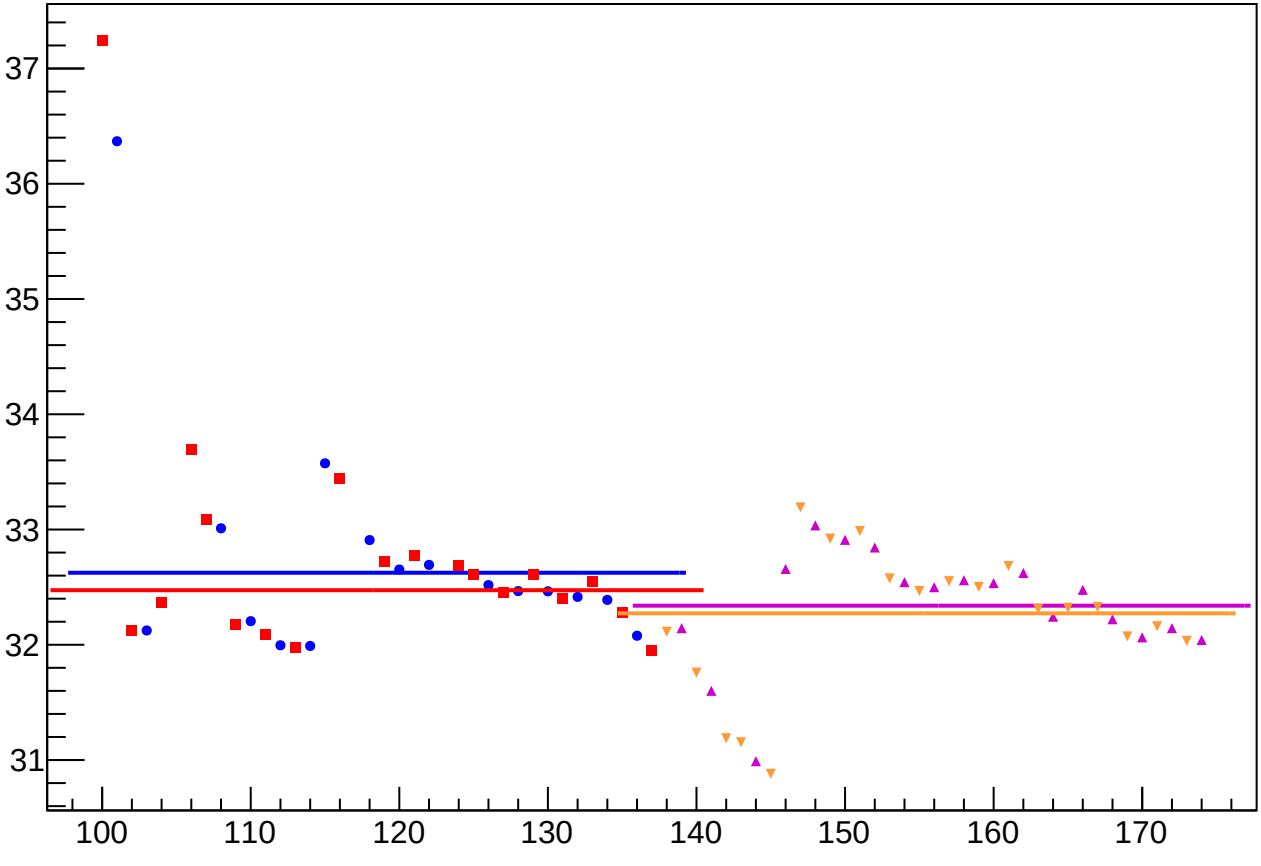
Right: 0.070+/-0.000 χ^2/NDF: 1579028.4/33

In: 0.074+/-0.000 χ^2/NDF:1180654.9/33

Out: 0.074+/-0.000 χ^2/NDF:1268164.4/35

All: 0.074+/-0.000 χ^2/NDF: 2449781.0/69

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.625+/-0.000 χ^2/NDF: 739141163.5/15

Left Out: 32.273+/-0.000 χ^2/NDF:792519359.0/18

Right Out: 32.474+/-0.000 χ^2/NDF: 156801553.7/18

Left In: 32.339+/-0.000 χ^2/NDF:574928908.9/17

Left: 32.306+/-0.000 χ^2/NDF: 1372482326.1/36

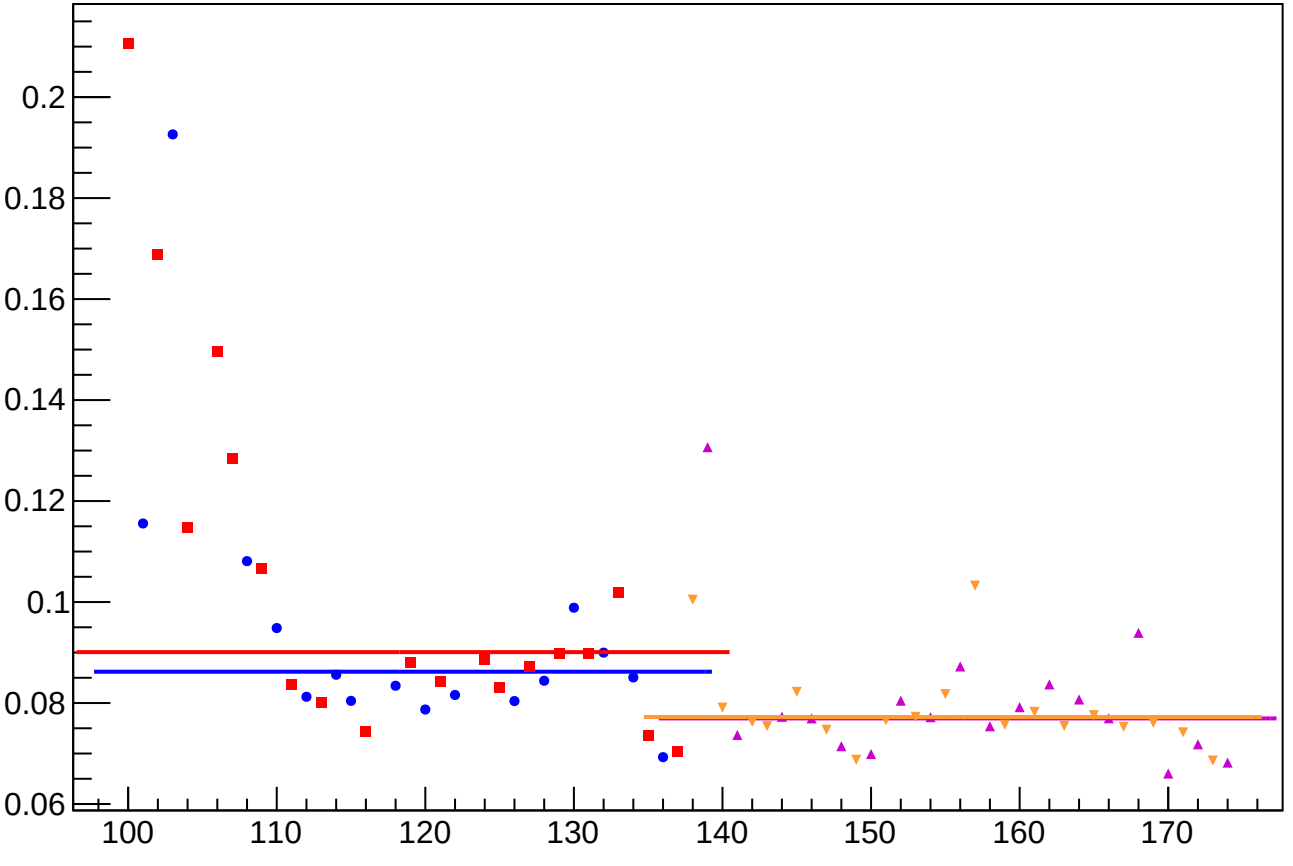
Right: 32.552+/-0.000 χ^2/NDF: 905331922.0/34

In: 32.416+/-0.000 χ^2/NDF:1364483599.7/33

Out: 32.325+/-0.000 χ^2/NDF:973041664.5/37

All: 32.371+/-0.000 χ^2/NDF: 2350518337.9/7

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF: 598718.4/15

Left Out: 0.077+/-0.000 χ^2/NDF:229858.6/18

Right Out: 0.090+/-0.000 χ^2/NDF: 621848.1/18

Left In: 0.077+/-0.000 χ^2/NDF:472107.2/17

Left: 0.077+/-0.000 χ^2/NDF: 702136.8/36

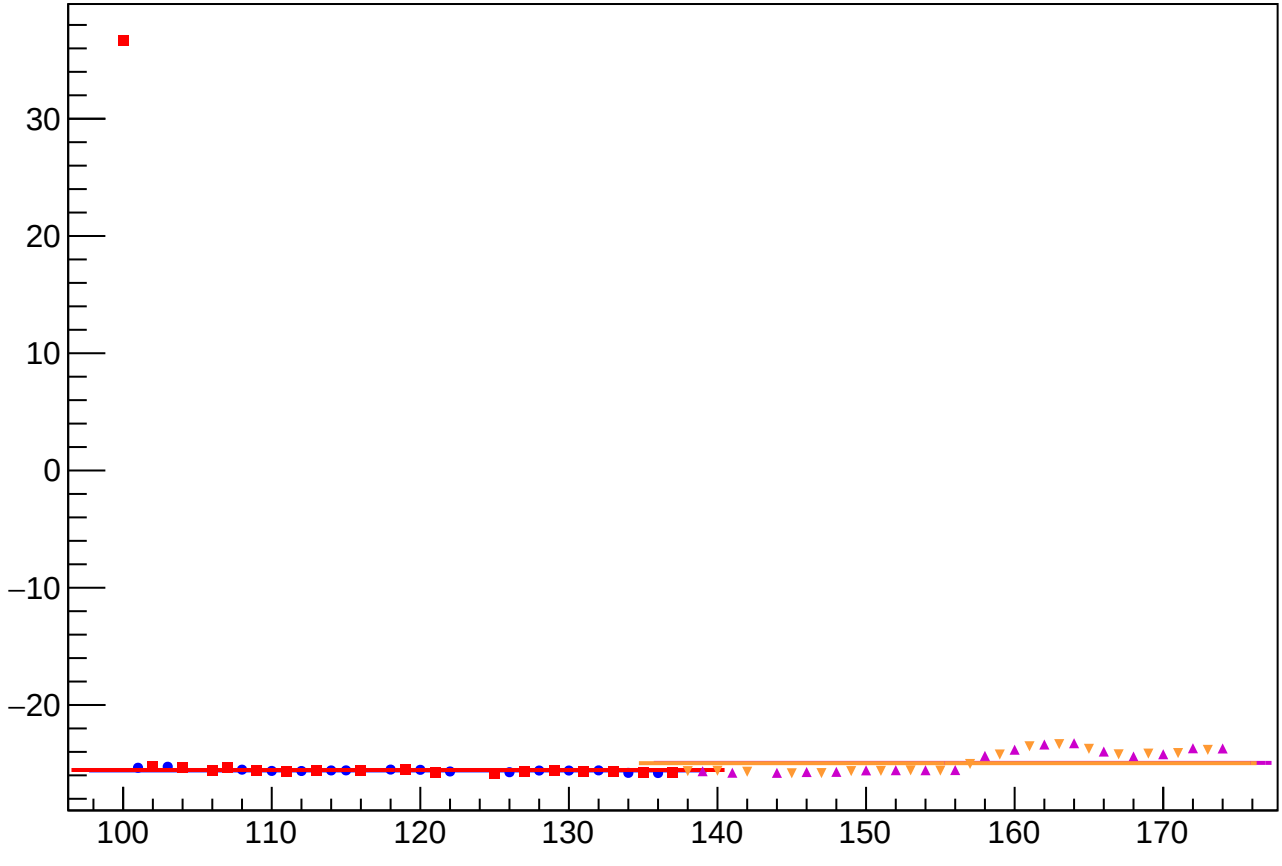
Right: 0.088+/-0.000 χ^2/NDF: 1232875.9/34

In: 0.079+/-0.000 χ^2/NDF:1176516.4/33

Out: 0.081+/-0.000 χ^2/NDF:1046454.6/37

All: 0.080+/-0.000 χ^2/NDF: 2226745.8/71

yield_dsl_mean vs Slug, Sign Corrected



Right In: -25.579+/-0.000 χ^2/NDF: 98389255.1/15

Left Out: -24.962+/-0.000 χ^2/NDF:5058816696.0/17

Right Out: -25.544+/-0.000 χ^2/NDF: 8907540506.8/17

Left In: -24.938+/-0.000 χ^2/NDF:5951333844.3/17

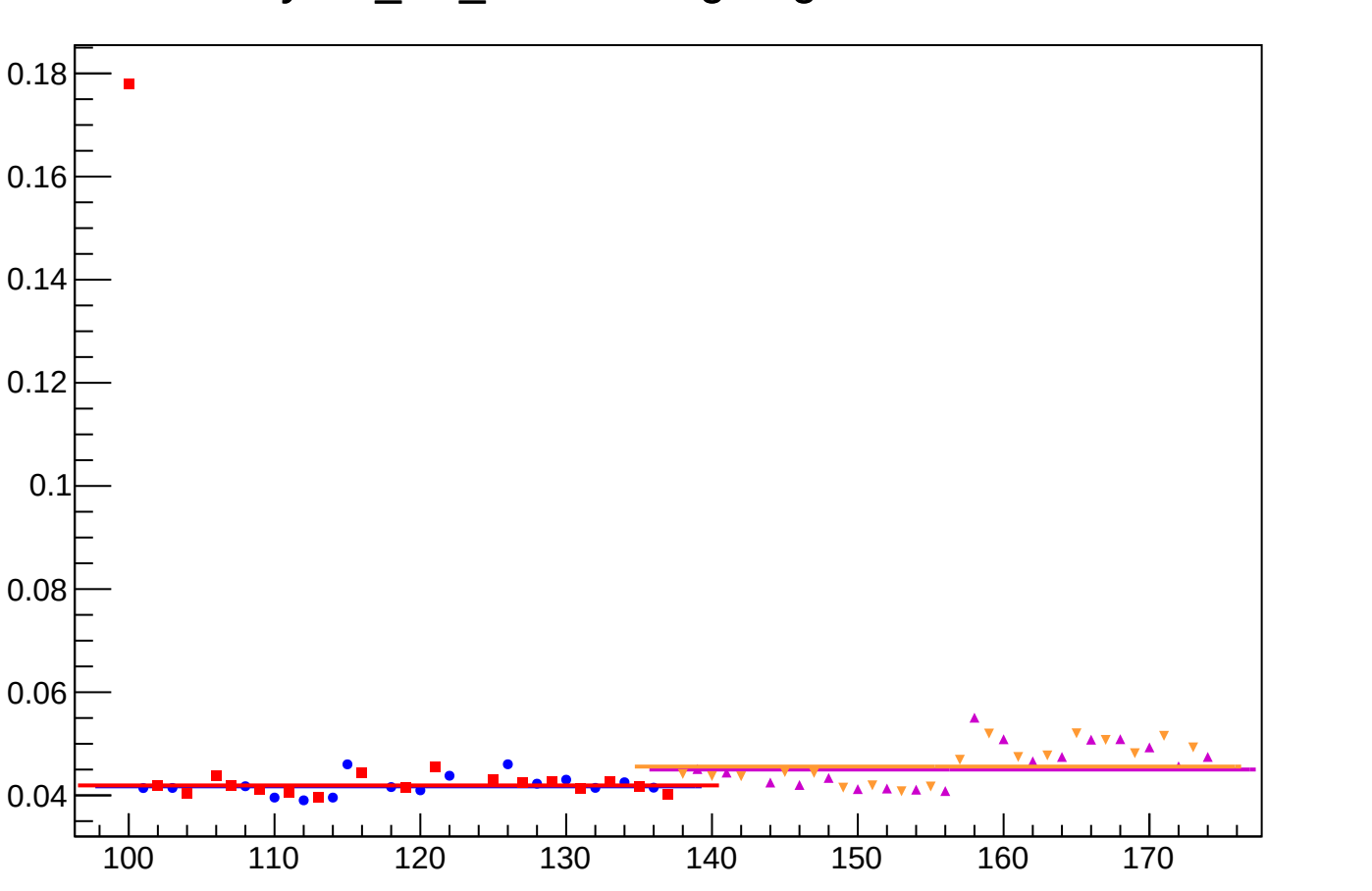
Left: -24.949+/-0.000 χ^2/NDF: 11012132977.8/35

Right: -25.561+/-0.000 χ^2/NDF: 9008481743.9/33

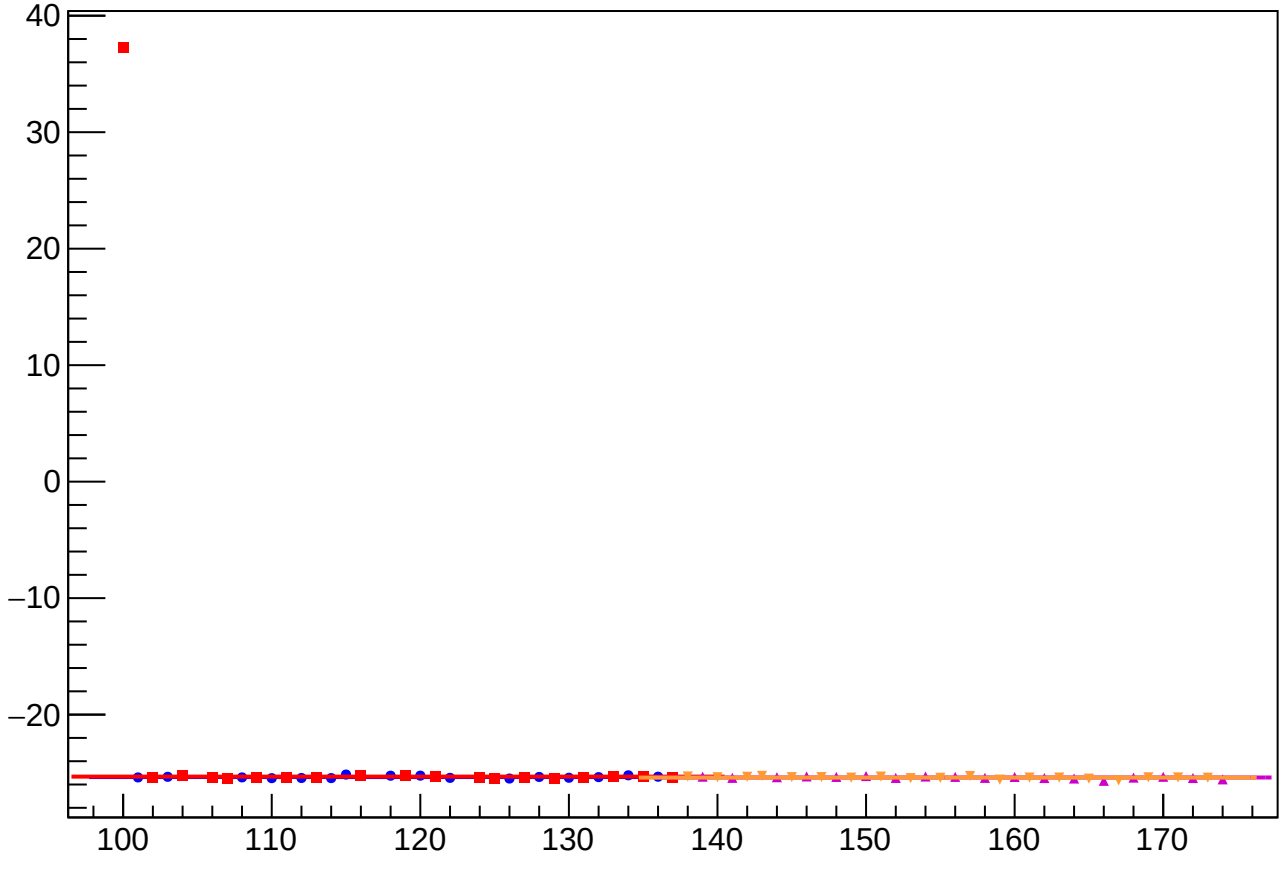
In: -25.172+/-0.000 χ^2/NDF:7121869434.5/33

Out: -25.185+/-0.000 χ^2/NDF:14826678967.3/35

All: -25.178+/-0.000 χ^2/NDF: 21949413828.6


yield_dsl_rms vs Slug, Sign Corrected
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
100
110
120
130
140
150
160
170
Right In: 0.042+/-0.000 χ²/NDF: 20733.3/15
Left Out: 0.046+/-0.000 χ²/NDF:174075.8/17
Right Out: 0.042+/-0.000 χ²/NDF: 100140.4/17
Left In: 0.045+/-0.000 χ²/NDF:215956.5/17
Left: 0.045+/-0.000 χ²/NDF: 392273.2/35
Right: 0.042+/-0.000 χ²/NDF: 121007.1/33
In: 0.044+/-0.000 χ²/NDF:292137.5/33
Out: 0.044+/-0.000 χ²/NDF:341953.1/35
All: 0.044+/-0.000 χ²/NDF: 635548.4/69

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.360+/-0.000 χ^2/NDF: 13284405.9/15

Left Out: -25.404+/-0.000 χ^2/NDF:42415790.1/18

Right Out: -25.322+/-0.000 χ^2/NDF: 6314907036.5/18

Left In: -25.398+/-0.000 χ^2/NDF:41764002.7/17

Left: -25.401+/-0.000 χ^2/NDF: 84281981.4/36

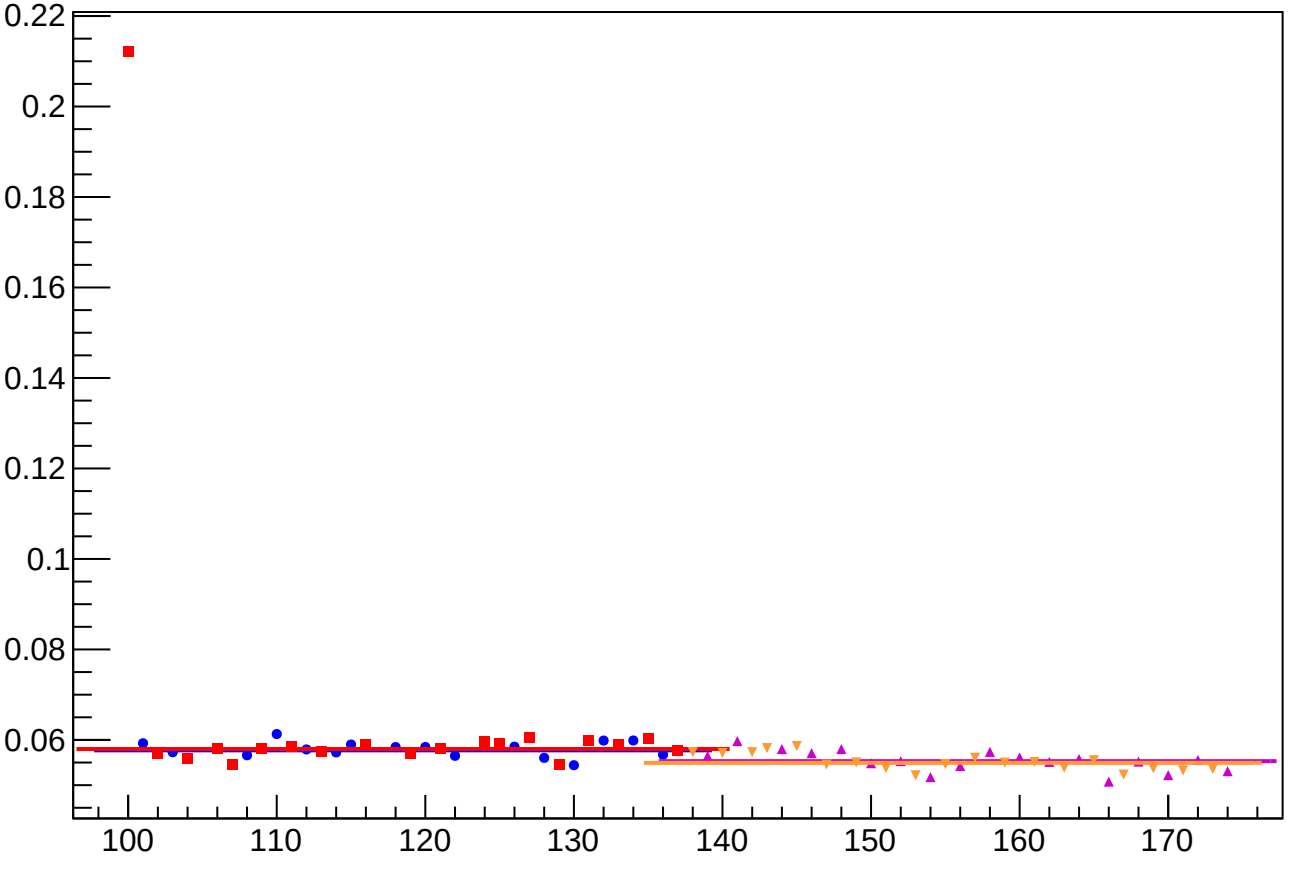
Right: -25.341+/-0.000 χ^2/NDF: 6329738520.5/34

In: -25.386+/-0.000 χ^2/NDF:57094076.5/33

Out: -25.379+/-0.000 χ^2/NDF:6367374039.1/37

All: -25.383+/-0.000 χ^2/NDF: 6424650192.3/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 11763.6/15

Left Out: 0.055+/-0.000 χ^2/NDF:31503.2/18

Right Out: 0.058+/-0.000 χ^2/NDF: 88682.9/18

Left In: 0.055+/-0.000 χ^2/NDF:47250.9/17

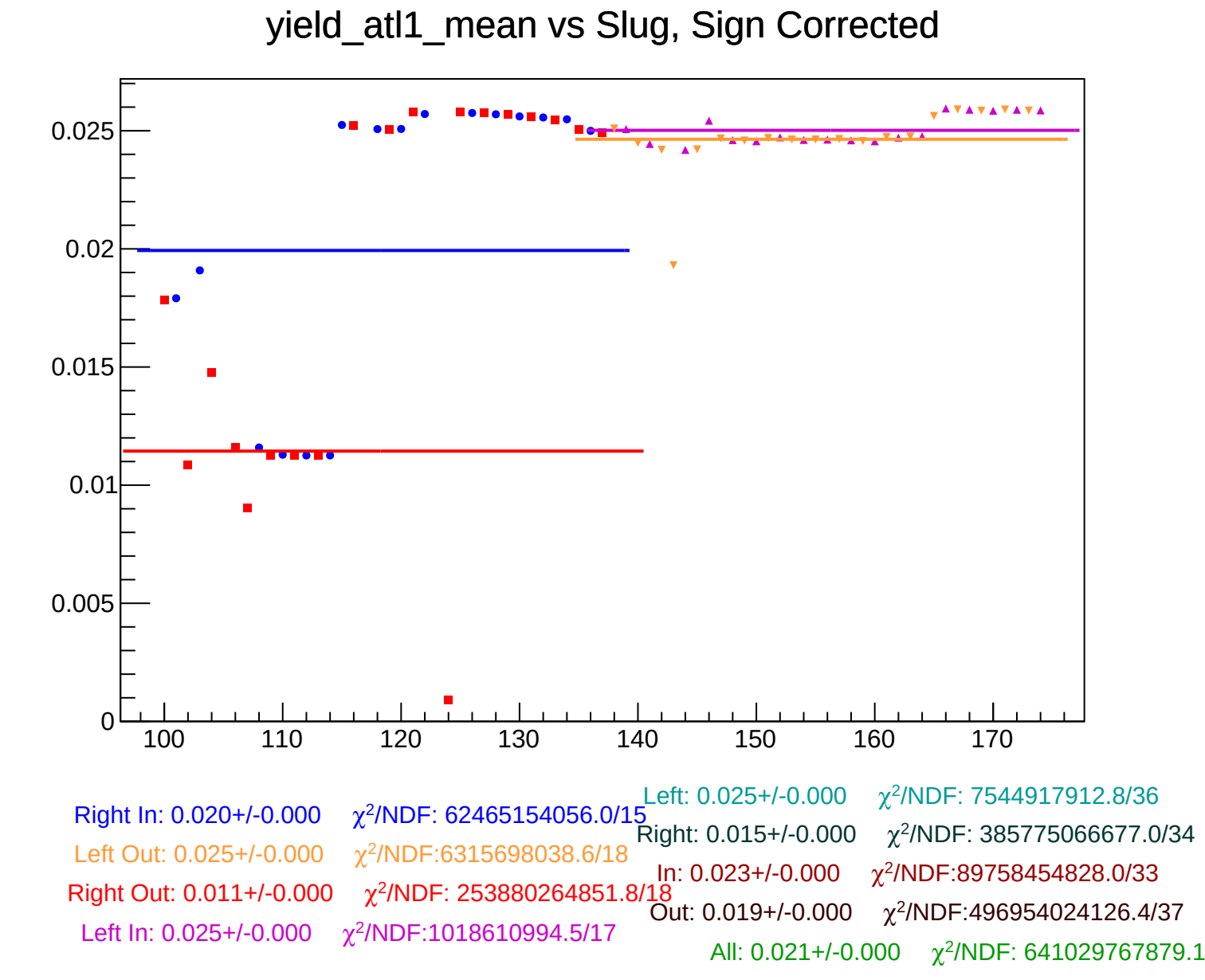
Left: 0.055+/-0.000 χ^2/NDF: 79421.1/36

Right: 0.058+/-0.000 χ^2/NDF: 100633.0/34

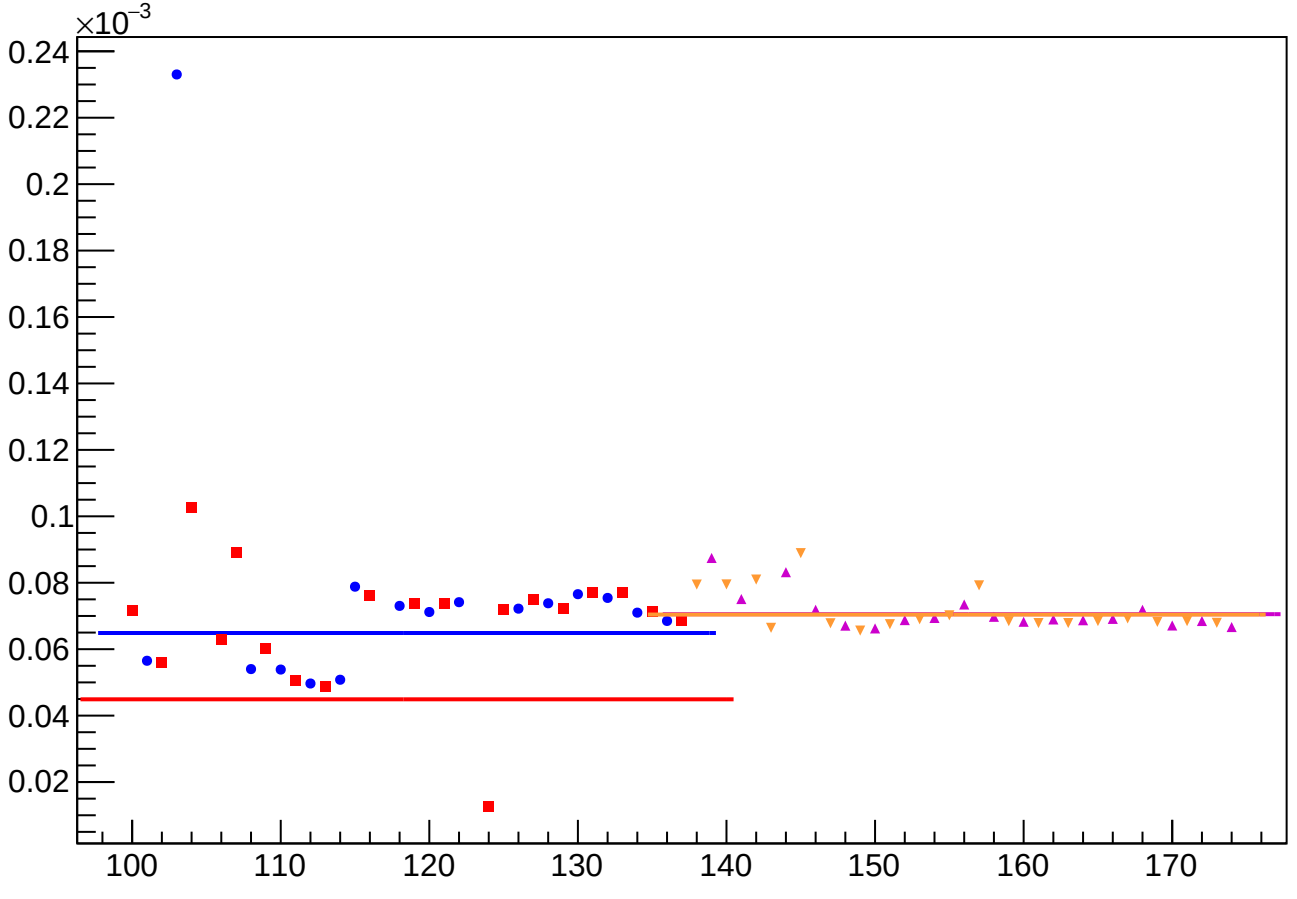
In: 0.056+/-0.000 χ^2/NDF:75614.3/33

Out: 0.056+/-0.000 χ^2/NDF:148051.8/37

All: 0.056+/-0.000 χ^2/NDF: 223857.4/71


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
110
120
130
140
150
160
170
Right In: 0.020+/-0.000 χ²/NDF: 62465154056.0/15
Left Out: 0.025+/-0.000 χ²/NDF:6315698038.6/18
Right Out: 0.011+/-0.000 χ²/NDF: 253880264851.8/18
Left In: 0.025+/-0.000 χ²/NDF:1018610994.5/17
Left: 0.025+/-0.000 χ²/NDF: 7544917912.8/36
Right: 0.015+/-0.000 χ²/NDF: 385775066677.0/34
In: 0.023+/-0.000 χ²/NDF:89758454828.0/33
Out: 0.019+/-0.000 χ²/NDF:496954024126.4/37
All: 0.021+/-0.000 χ²/NDF: 641029767879.1

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:174412.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3770565.9/18

Left In: 0.000+/-0.000 χ^2/NDF:139358.9/17

Left: 0.000+/-0.000 χ^2/NDF: 313810.5/36

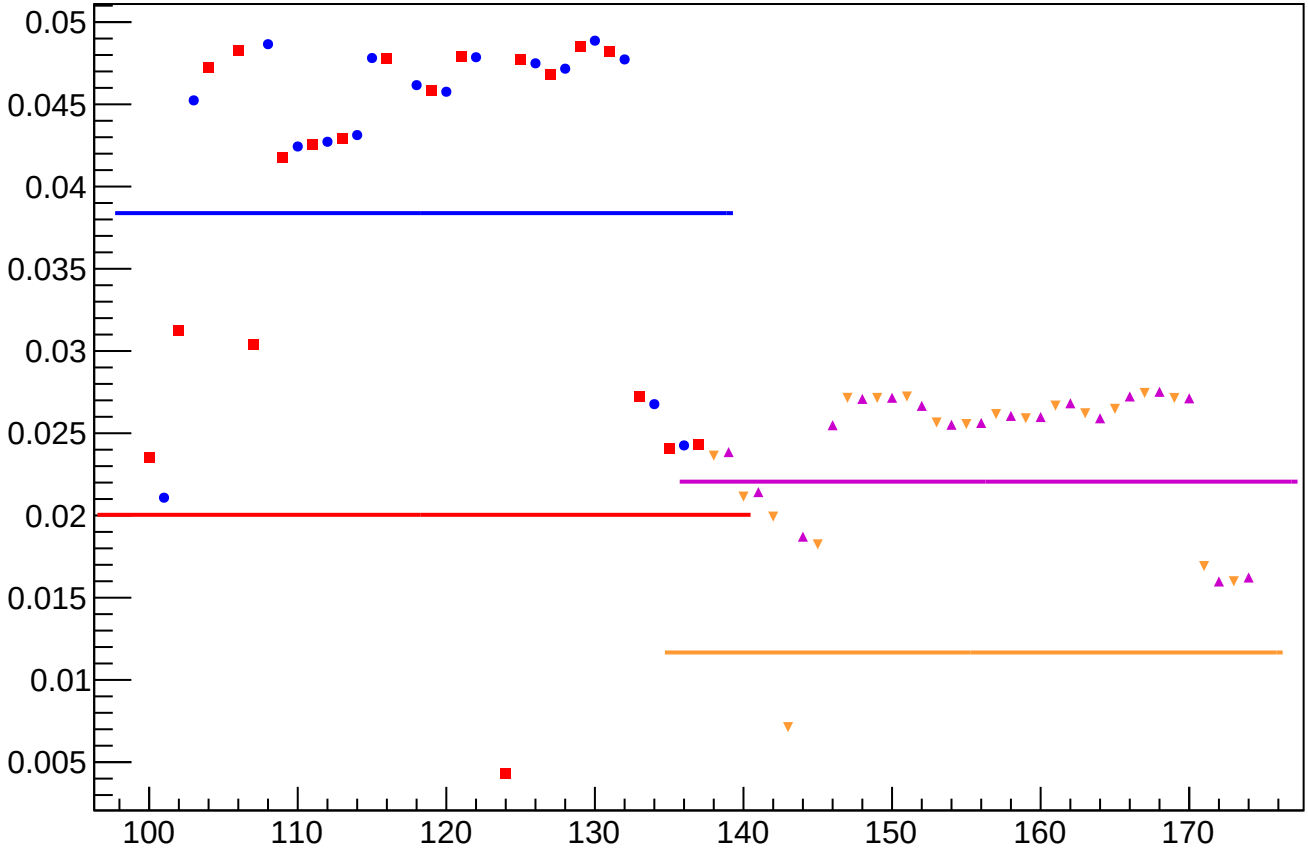
Right: 0.000+/-0.000 χ^2/NDF: 5354969.6/34

In: 0.000+/-0.000 χ^2/NDF:1021481.8/33

Out: 0.000+/-0.000 χ^2/NDF:5714520.1/37

All: 0.000+/-0.000 χ^2/NDF: 7219737.4/71

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7078619233.3/15

Left Out: 0.012+/-0.000 χ^2/NDF:33935311640.8/18

Right Out: 0.020+/-0.000 χ^2/NDF: 42185025429.6/18

Left In: 0.022+/-0.000 χ^2/NDF:4531037051.1/17

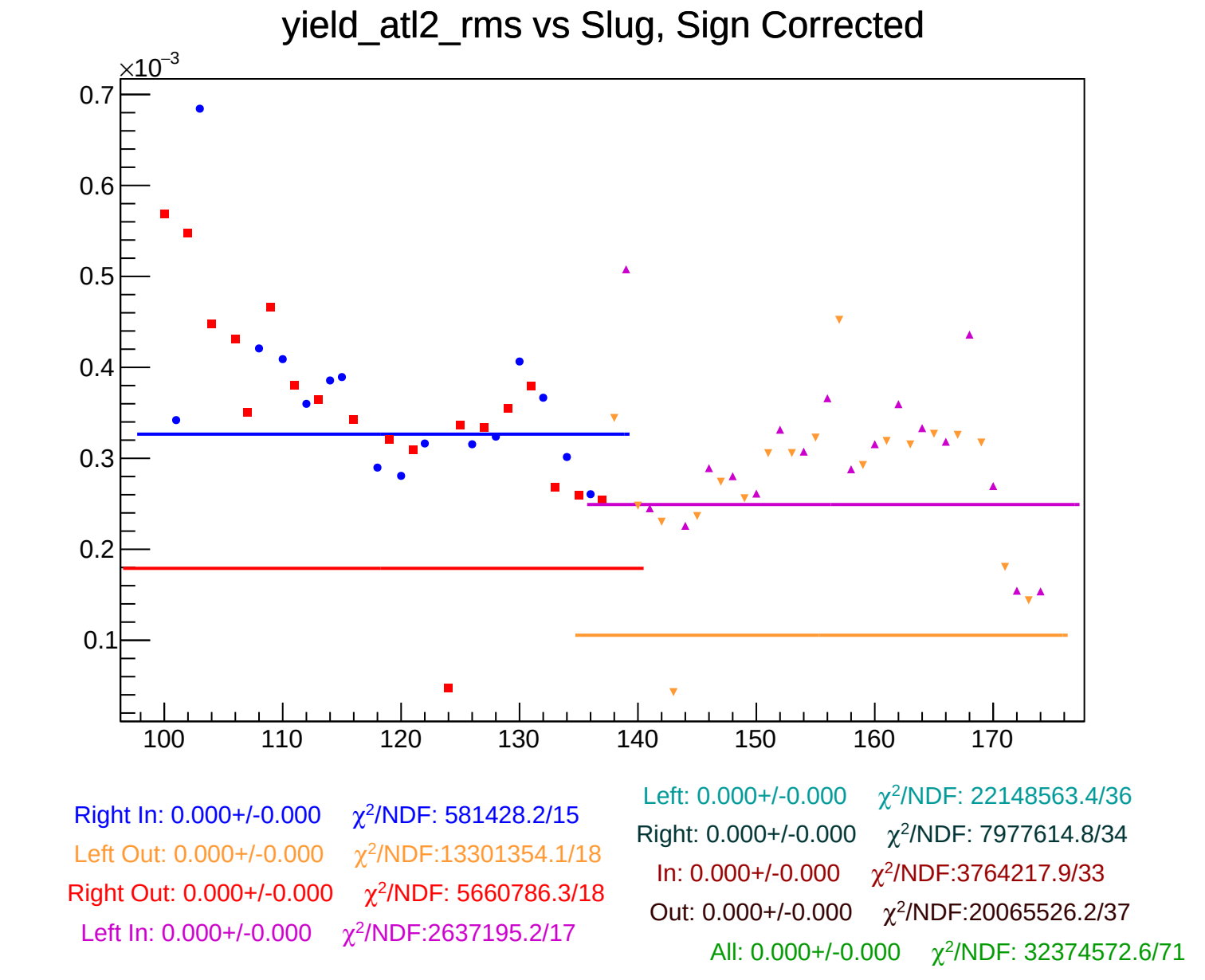
Left: 0.014+/-0.000 χ^2/NDF: 54689099718.1/36

Right: 0.026+/-0.000 χ^2/NDF: 62680347103.1/34

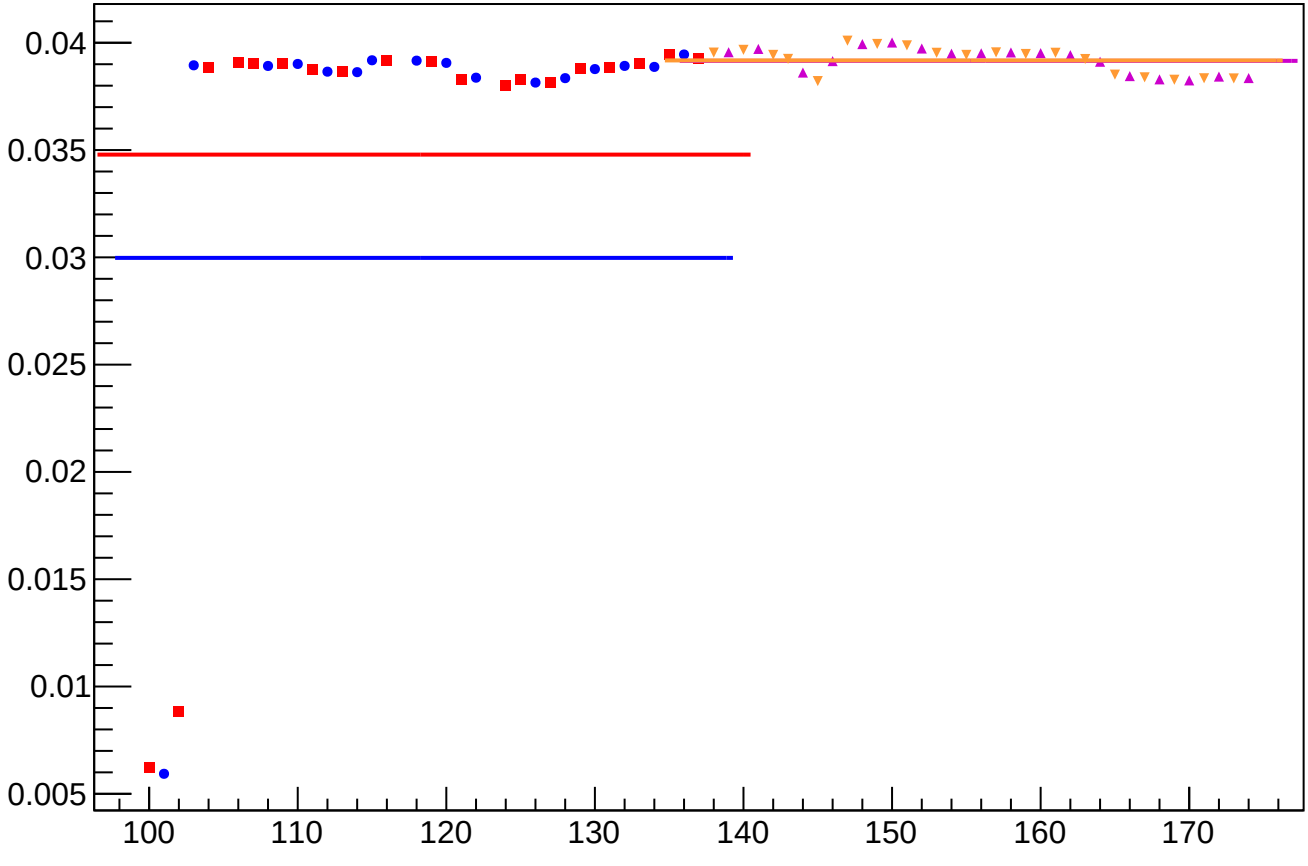
In: 0.026+/-0.000 χ^2/NDF:23764805959.3/33

Out: 0.013+/-0.000 χ^2/NDF:83270889171.2/37

All: 0.016+/-0.000 χ^2/NDF: 138234941997.8


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 581428.2/15
Left Out: 0.000+/-0.000 χ²/NDF:13301354.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 5660786.3/18
Left In: 0.000+/-0.000 χ²/NDF:2637195.2/17
Left: 0.000+/-0.000 χ²/NDF: 22148563.4/36
Right: 0.000+/-0.000 χ²/NDF: 7977614.8/34
In: 0.000+/-0.000 χ²/NDF:3764217.9/33
Out: 0.000+/-0.000 χ²/NDF:20065526.2/37
All: 0.000+/-0.000 χ²/NDF: 32374572.6/71

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:331794588.1/18

Right Out: 0.035+/-0.000 χ^2/NDF: 47263545471.6/18

Left In: 0.039+/-0.000 χ^2/NDF:305834373.7/17

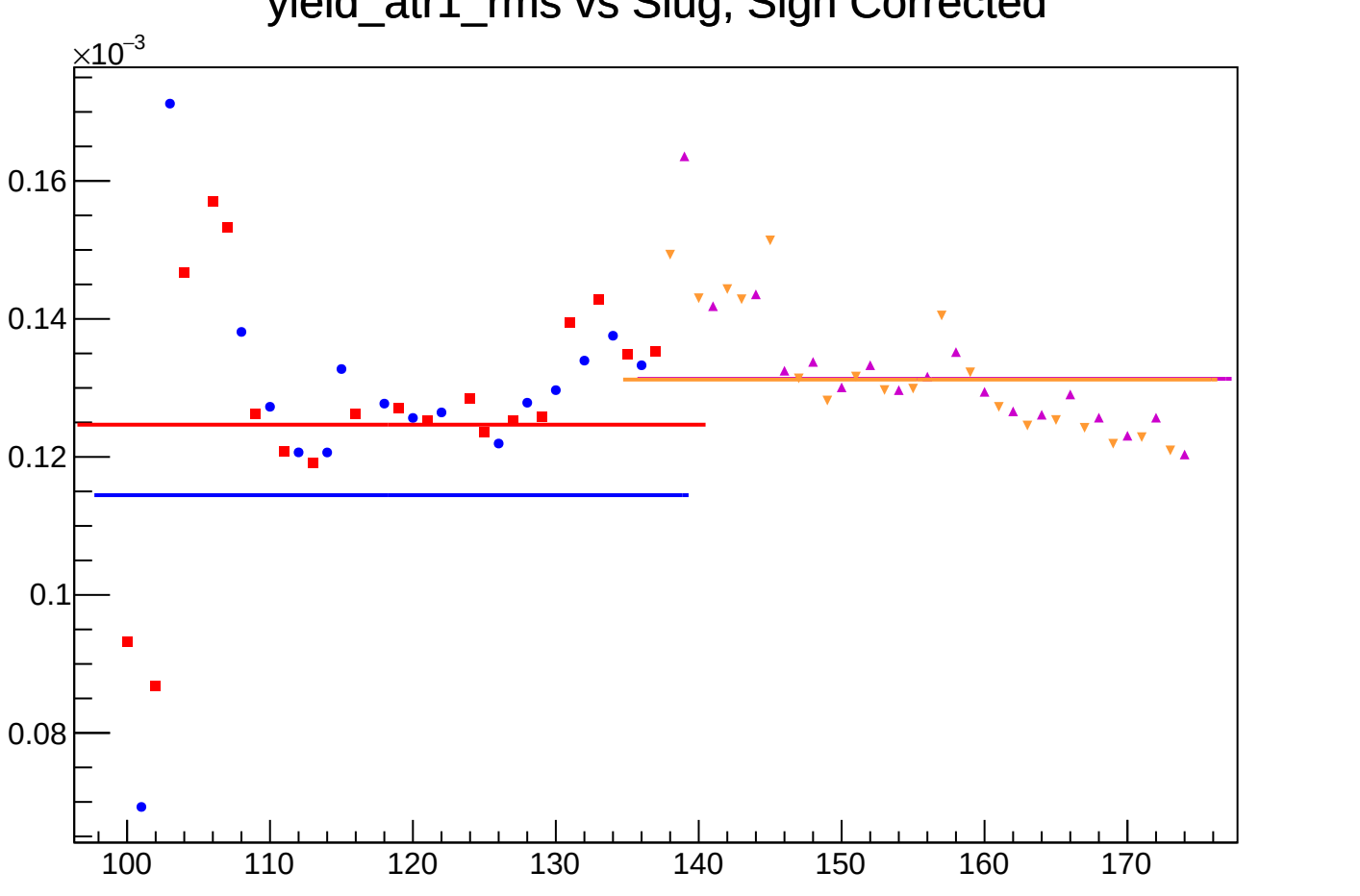
Left: 0.039+/-0.000 χ^2/NDF: 637811101.6/36

Right: 0.032+/-0.000 χ^2/NDF: 161037517780.6/34

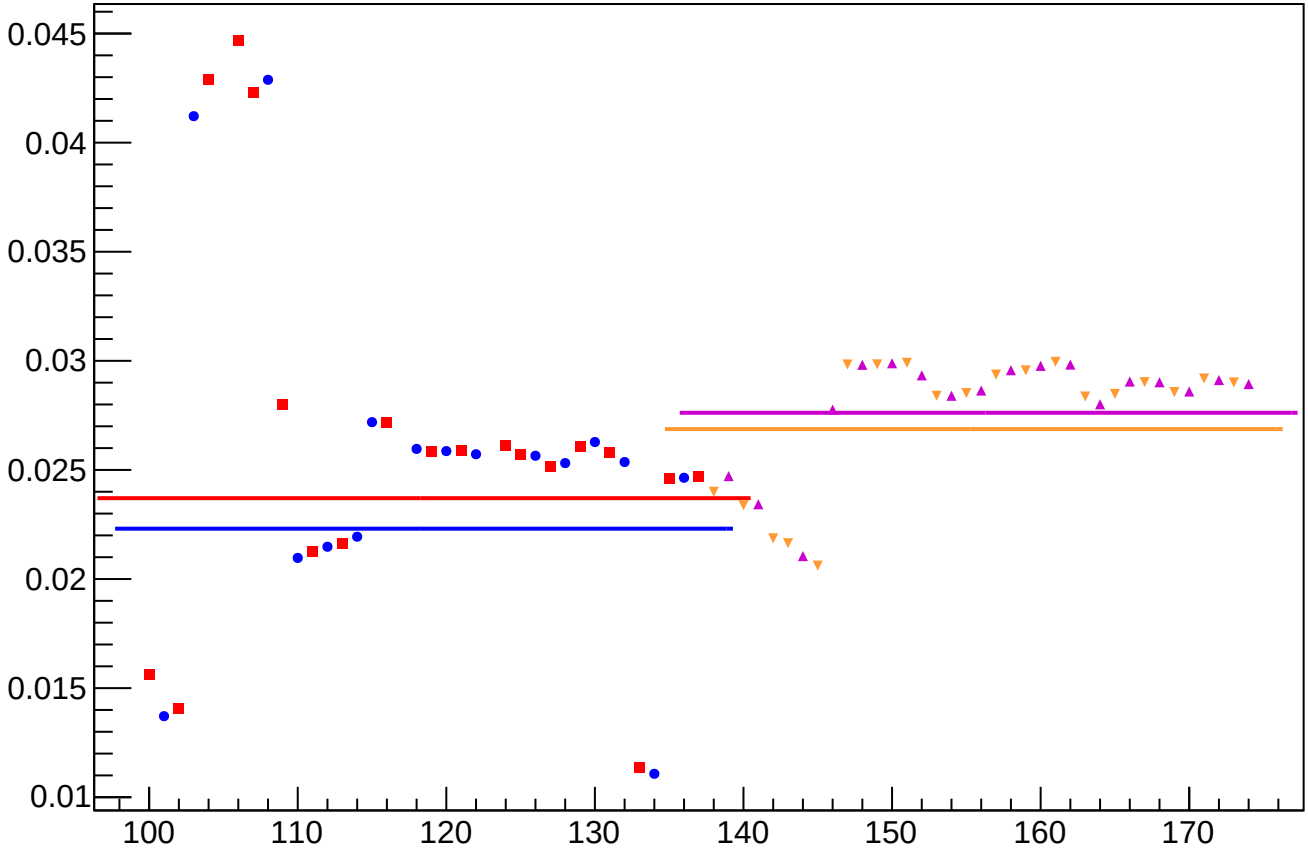
In: 0.036+/-0.000 χ^2/NDF:135233889408.1/33

Out: 0.038+/-0.000 χ^2/NDF:53224376636.3/37

All: 0.037+/-0.000 χ^2/NDF: 191007330178.4


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.16
0.14
0.12
0.1
0.08
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 853142.5/15
Left Out: 0.000+/-0.000 χ²/NDF:127823.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 260393.6/18
Left In: 0.000+/-0.000 χ²/NDF:121578.1/17
Left: 0.000+/-0.000 χ²/NDF: 249412.0/36
Right: 0.000+/-0.000 χ²/NDF: 1163063.5/34
In: 0.000+/-0.000 χ²/NDF:1154611.9/33
Out: 0.000+/-0.000 χ²/NDF:413215.5/37
All: 0.000+/-0.000 χ²/NDF: 1588793.0/71

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5012486114.6/15

Left Out: 0.027+/-0.000 χ^2/NDF:1970871560.4/18

Right Out: 0.024+/-0.000 χ^2/NDF: 5581865088.7/18

Left In: 0.028+/-0.000 χ^2/NDF:1333246830.1/17

Left: 0.027+/-0.000 χ^2/NDF: 3349533547.2/36

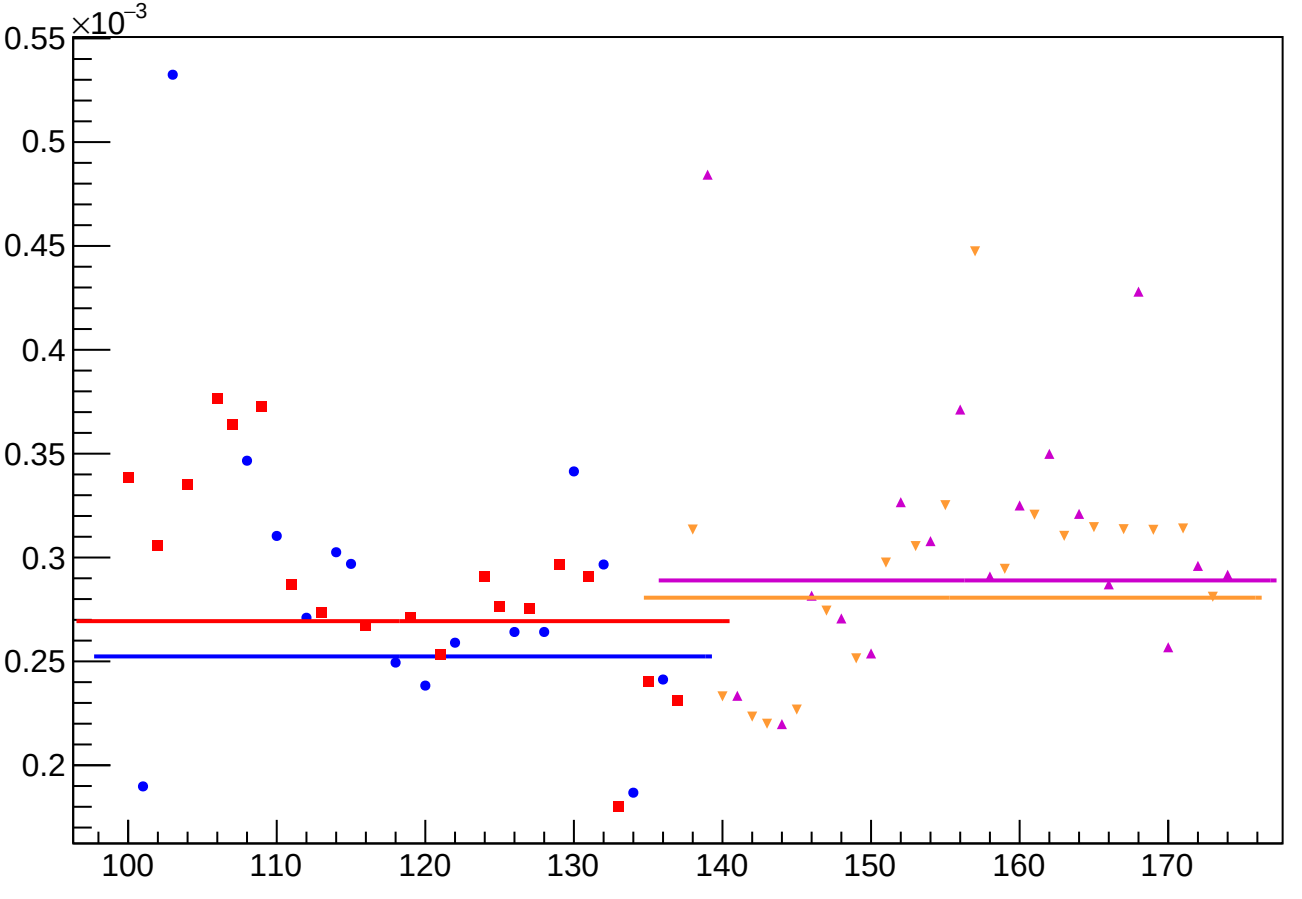
Right: 0.023+/-0.000 χ^2/NDF: 10685664717.3/34

In: 0.026+/-0.000 χ^2/NDF:8057789001.1/33

Out: 0.026+/-0.000 χ^2/NDF:8136114536.7/37

All: 0.026+/-0.000 χ^2/NDF: 16198030264.1/7

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 707863.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:656503.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 446359.4/18

Left In: 0.000+/-0.000 χ^2/NDF:922996.9/17

Left: 0.000+/-0.000 χ^2/NDF: 1590748.5/36

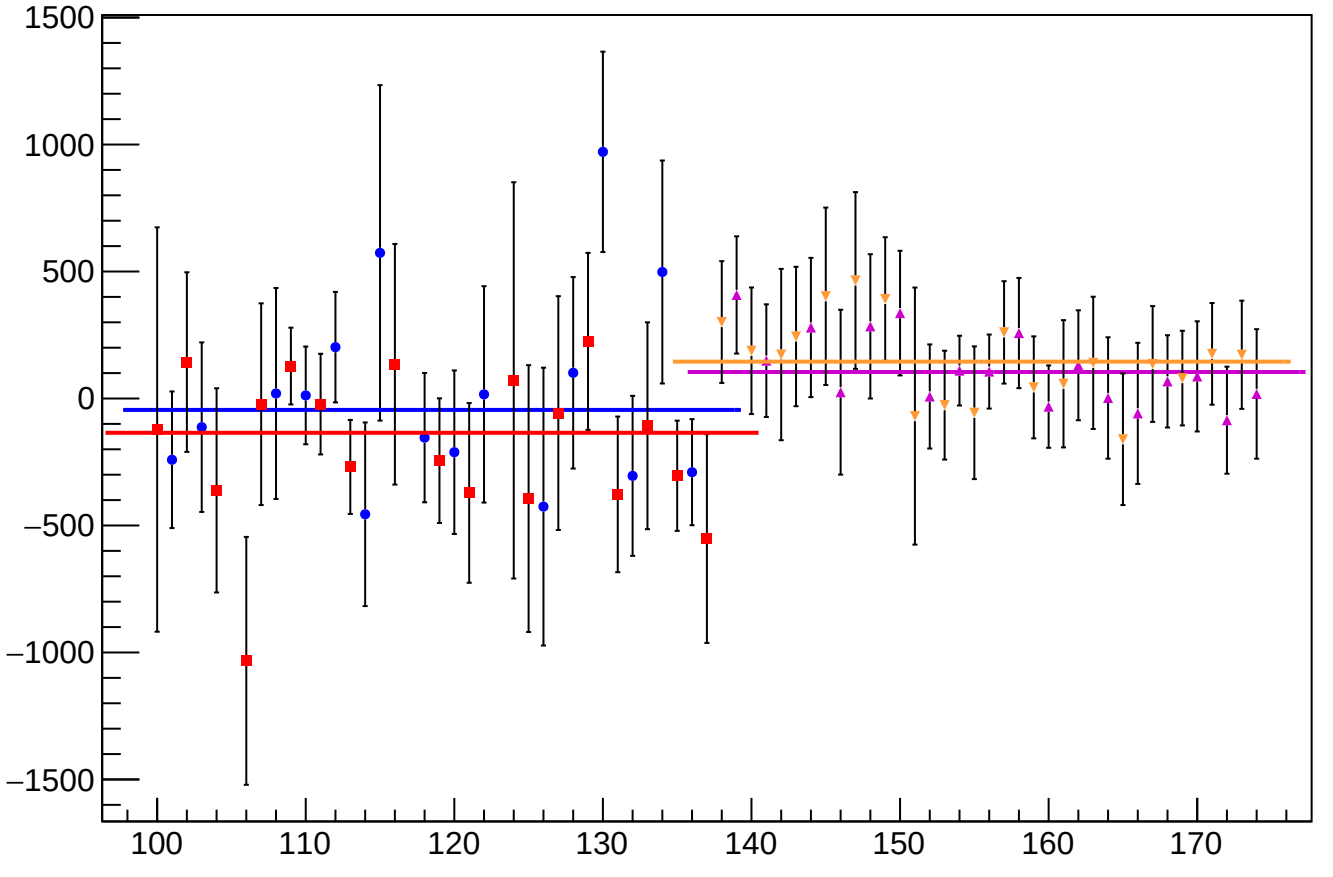
Right: 0.000+/-0.000 χ^2/NDF: 1181187.1/34

In: 0.000+/-0.000 χ^2/NDF:1793309.3/33

Out: 0.000+/-0.000 χ^2/NDF:1117693.2/37

All: 0.000+/-0.000 χ^2/NDF: 2911770.8/71

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 145.116+/-55.969 χ^2/NDF:6.7/18

Right Out: -134.996+/-68.062 χ^2/NDF: 12.9/18

Left In: 104.327+/-49.065 χ^2/NDF:6.5/17

Left: 122.051+/-36.895 χ^2/NDF: 13.4/36

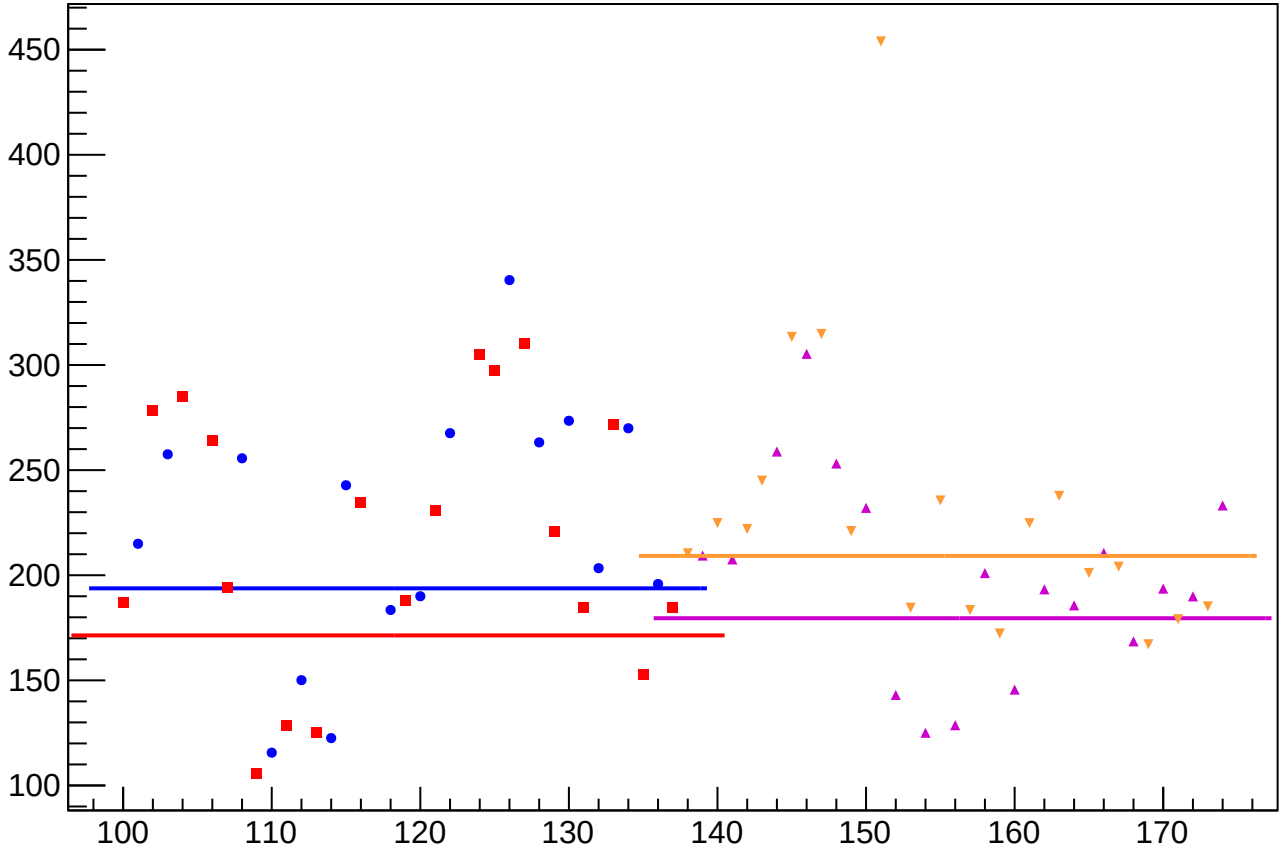
Right: -95.021+/-50.761 χ^2/NDF: 29.2/34

In: 60.584+/-41.252 χ^2/NDF:24.7/33

Out: 32.113+/-43.230 χ^2/NDF:29.7/37

All: 47.014+/-29.844 χ^2/NDF: 54.6/71

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 209.200+/-0.040 χ^2/NDF:1233681.8/18

Right Out: 171.382+/-0.048 χ^2/NDF: 1658079.5/18

Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

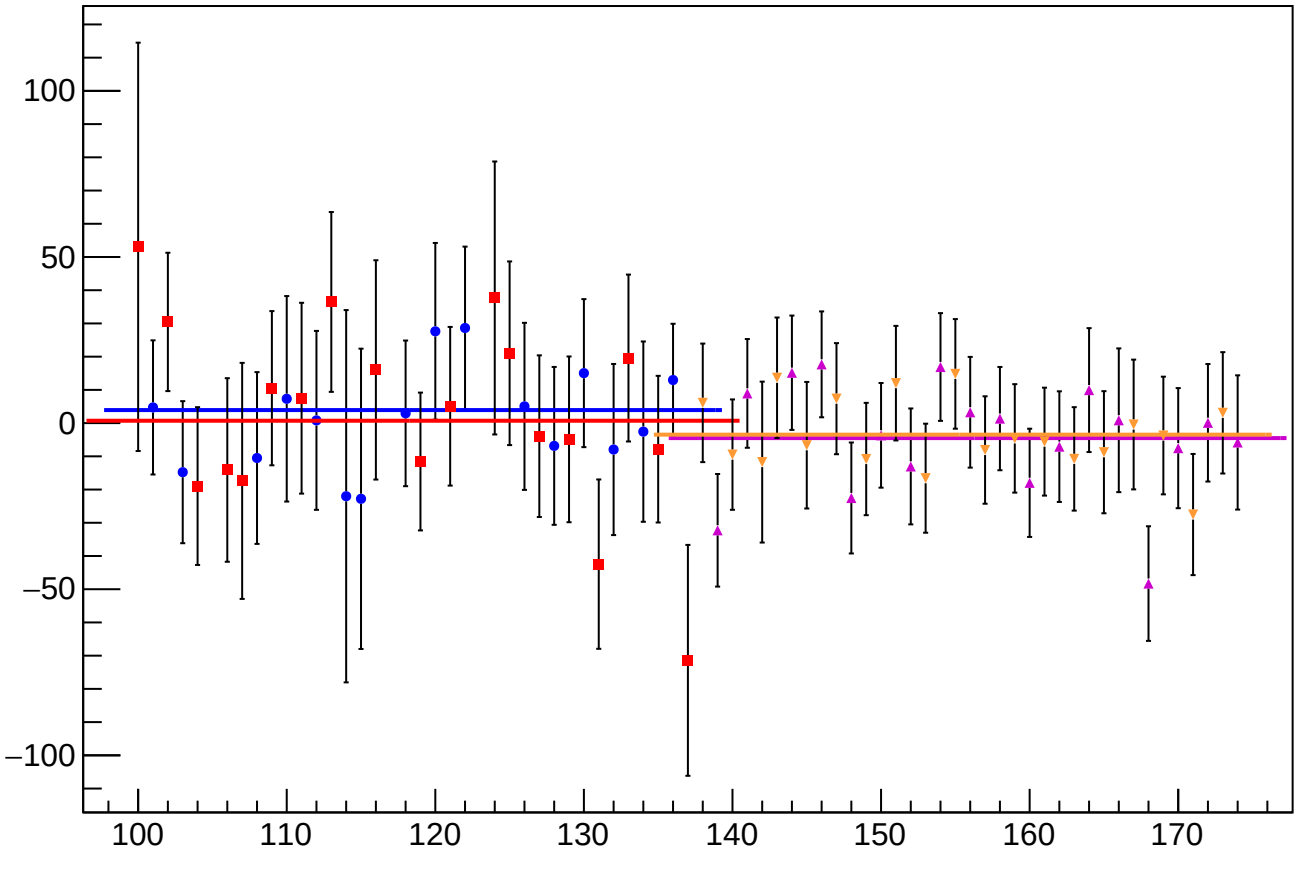
Left: 192.436+/-0.026 χ^2/NDF: 3182557.9/36

Right: 181.316+/-0.036 χ^2/NDF: 2802189.0/34

In: 183.719+/-0.029 χ^2/NDF:2728854.8/33

Out: 193.943+/-0.031 χ^2/NDF:3260133.2/37

All: 188.592+/-0.021 χ^2/NDF: 6047542.5/71



Right In: 3.923+/-6.172 χ^2/NDF: 4.5/15

Left Out: -3.473+/-4.004 χ^2/NDF:7.0/18

Right Out: 0.714+/-6.077 χ^2/NDF: 15.9/18

Left In: -4.511+/-4.035 χ^2/NDF:18.0/17

Left: -3.988+/-2.842 χ^2/NDF: 25.1/36

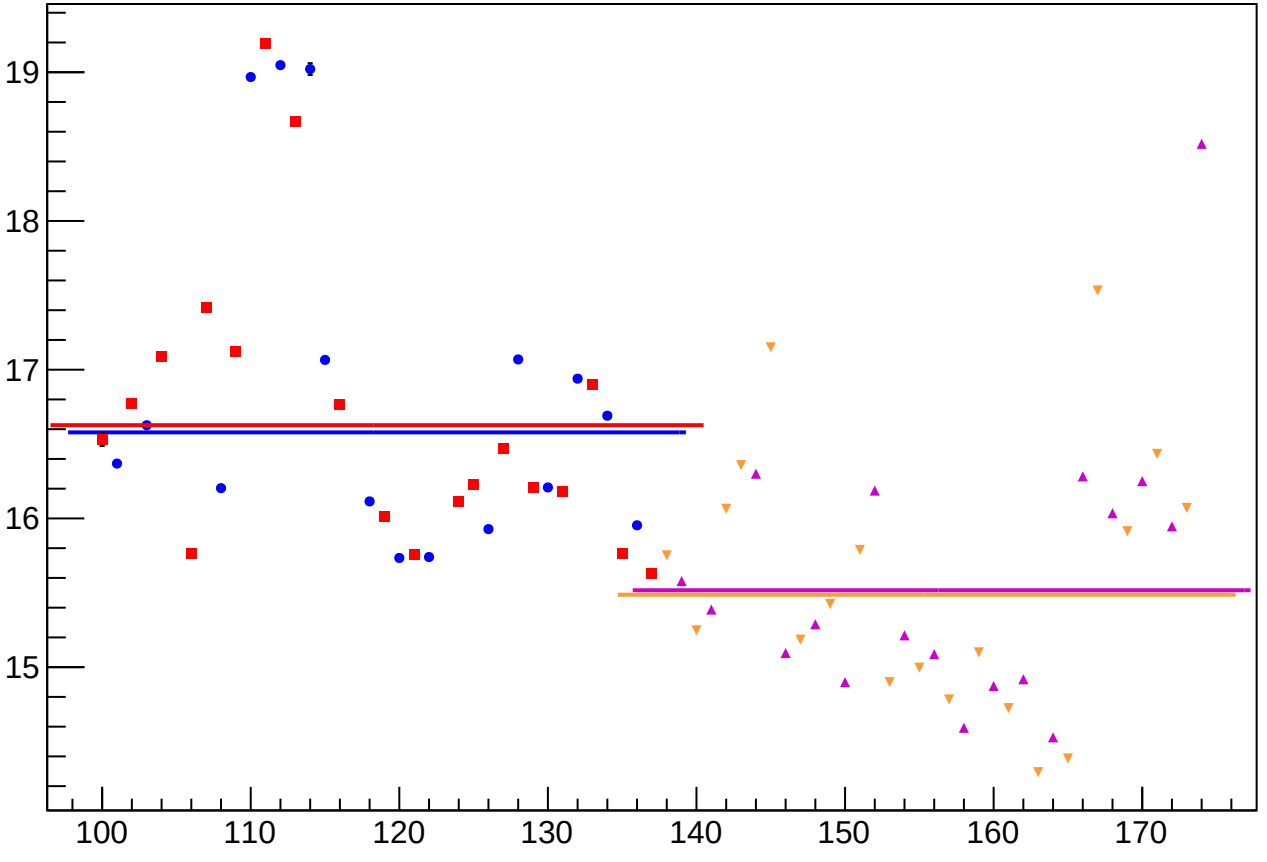
Right: 2.294+/-4.330 χ^2/NDF: 20.5/34

In: -1.986+/-3.377 χ^2/NDF:23.8/33

Out: -2.206+/-3.344 χ^2/NDF:23.3/37

All: -2.097+/-2.376 χ^2/NDF: 47.1/71

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.579+/-0.004 χ^2/NDF: 44575.6/15

Left Out: 15.487+/-0.003 χ^2/NDF:86268.5/18

Right Out: 16.627+/-0.004 χ^2/NDF: 43461.8/18

Left In: 15.517+/-0.003 χ^2/NDF:85458.9/17

Left: 15.502+/-0.002 χ^2/NDF: 171783.0/36

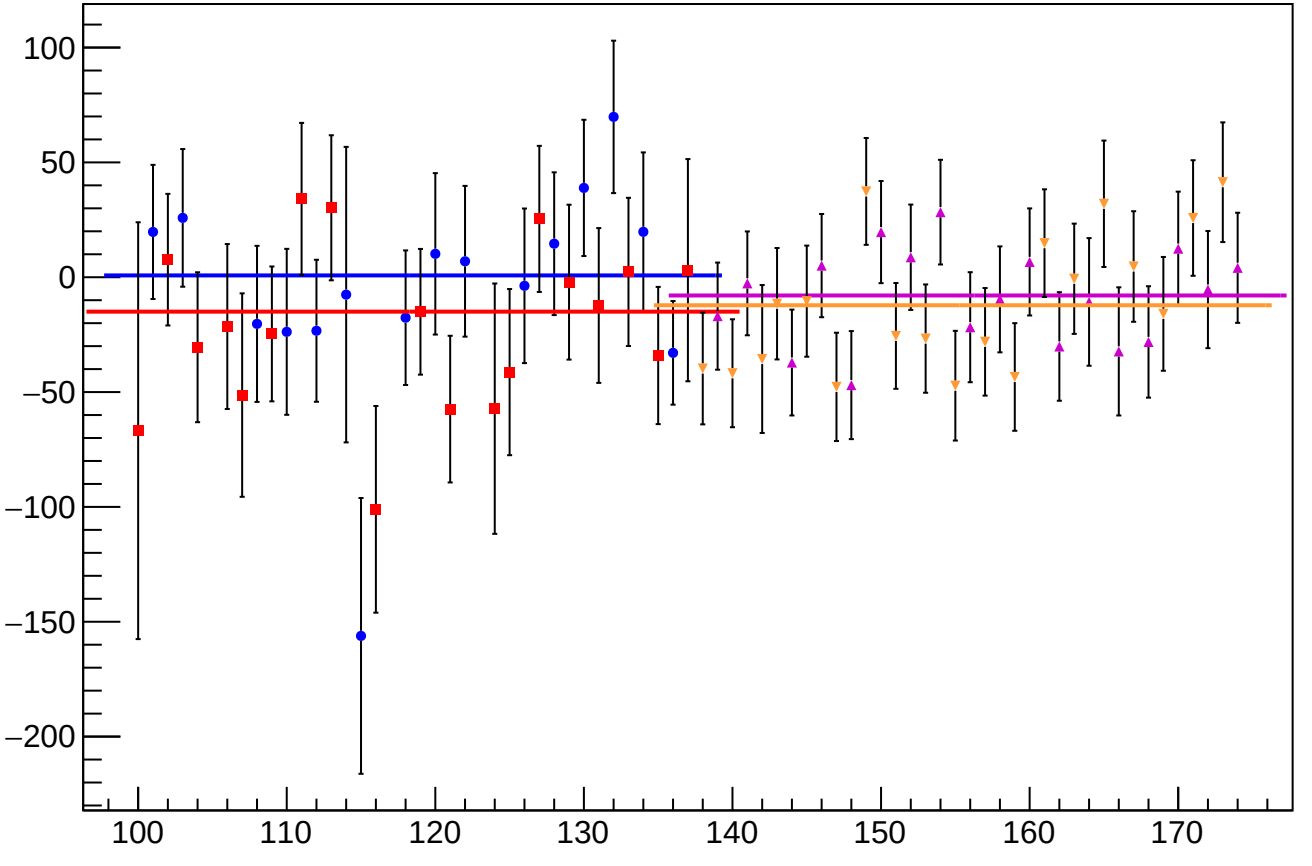
Right: 16.603+/-0.003 χ^2/NDF: 88099.6/34

In: 15.835+/-0.002 χ^2/NDF:171488.6/33

Out: 15.832+/-0.002 χ^2/NDF:178790.7/37

All: 15.834+/-0.002 χ^2/NDF: 350280.0/71

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: -12.201+/-5.600 χ^2/NDF:26.5/18

Right Out: -14.981+/-7.953 χ^2/NDF: 15.4/18

Left In: -7.948+/-5.612 χ^2/NDF:13.5/17

Left: -10.079+/-3.964 χ^2/NDF: 40.3/36

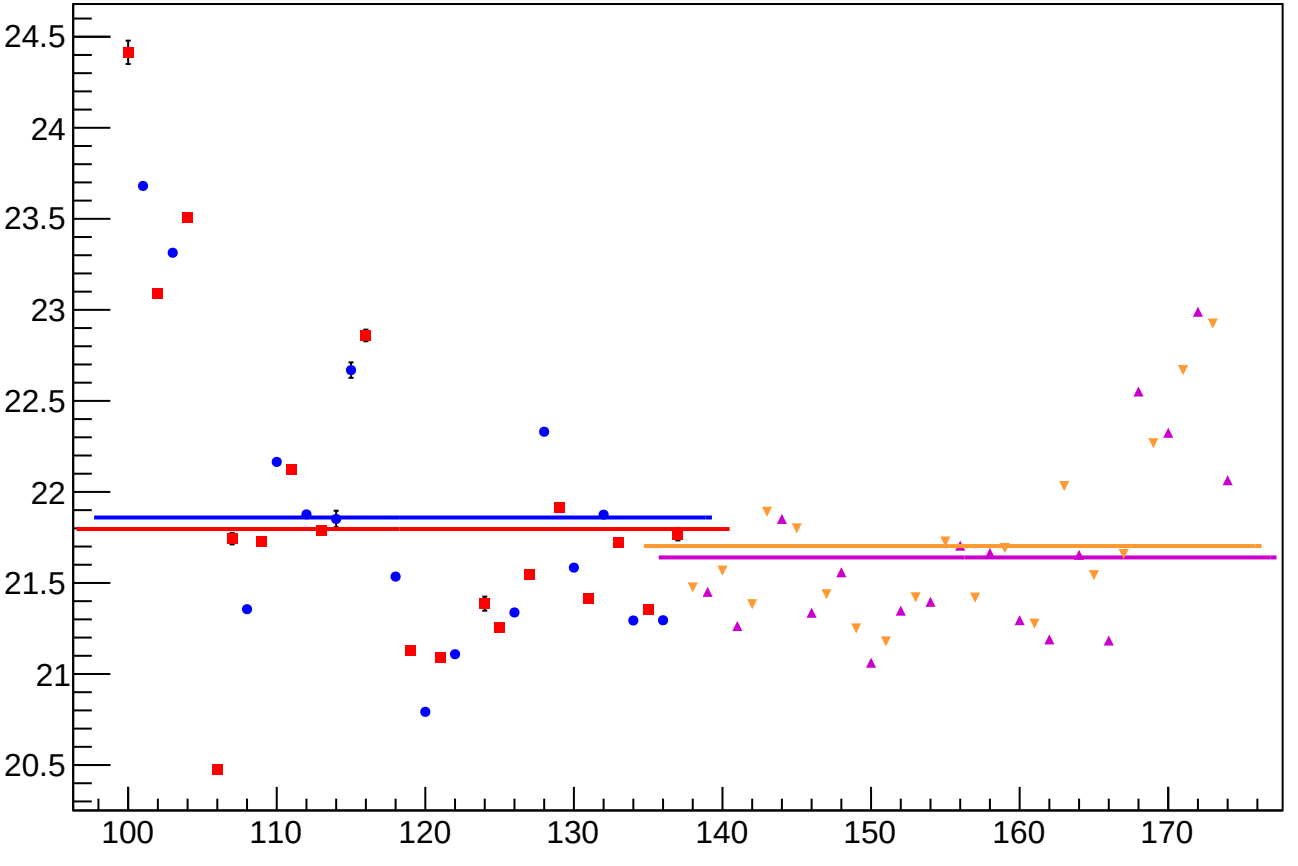
Right: -7.264+/-5.683 χ^2/NDF: 36.0/34

In: -5.126+/-4.618 χ^2/NDF:33.0/33

Out: -13.122+/-4.579 χ^2/NDF:42.0/37

All: -9.158+/-3.251 χ^2/NDF: 76.4/71

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.860+/-0.006 χ^2/NDF: 19468.1/15

Left Out: 21.703+/-0.004 χ^2/NDF:12712.1/18

Right Out: 21.796+/-0.006 χ^2/NDF: 18861.3/18

Left In: 21.640+/-0.004 χ^2/NDF:15439.2/17

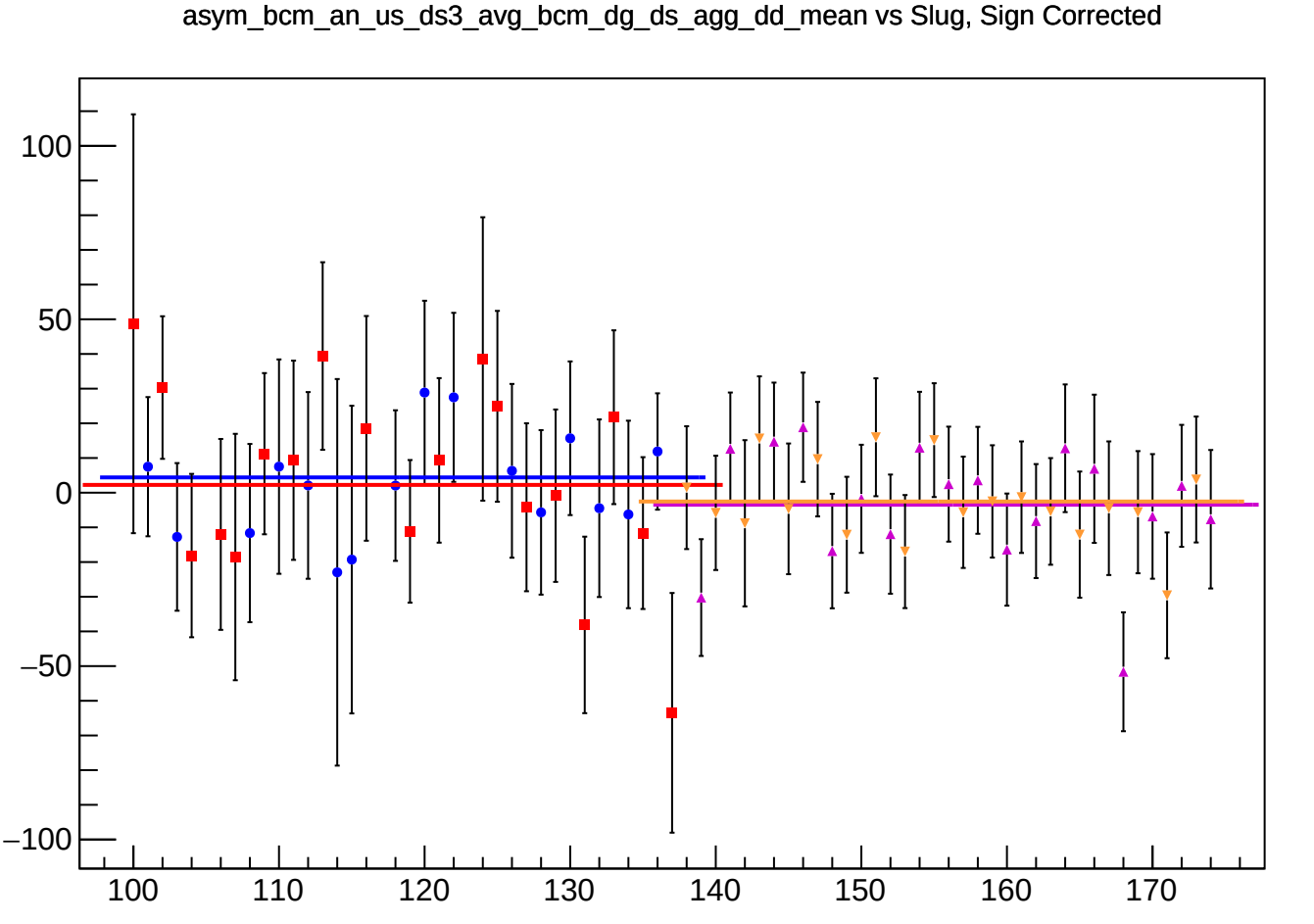
Left: 21.672+/-0.003 χ^2/NDF: 28276.1/36

Right: 21.827+/-0.004 χ^2/NDF: 38391.5/34

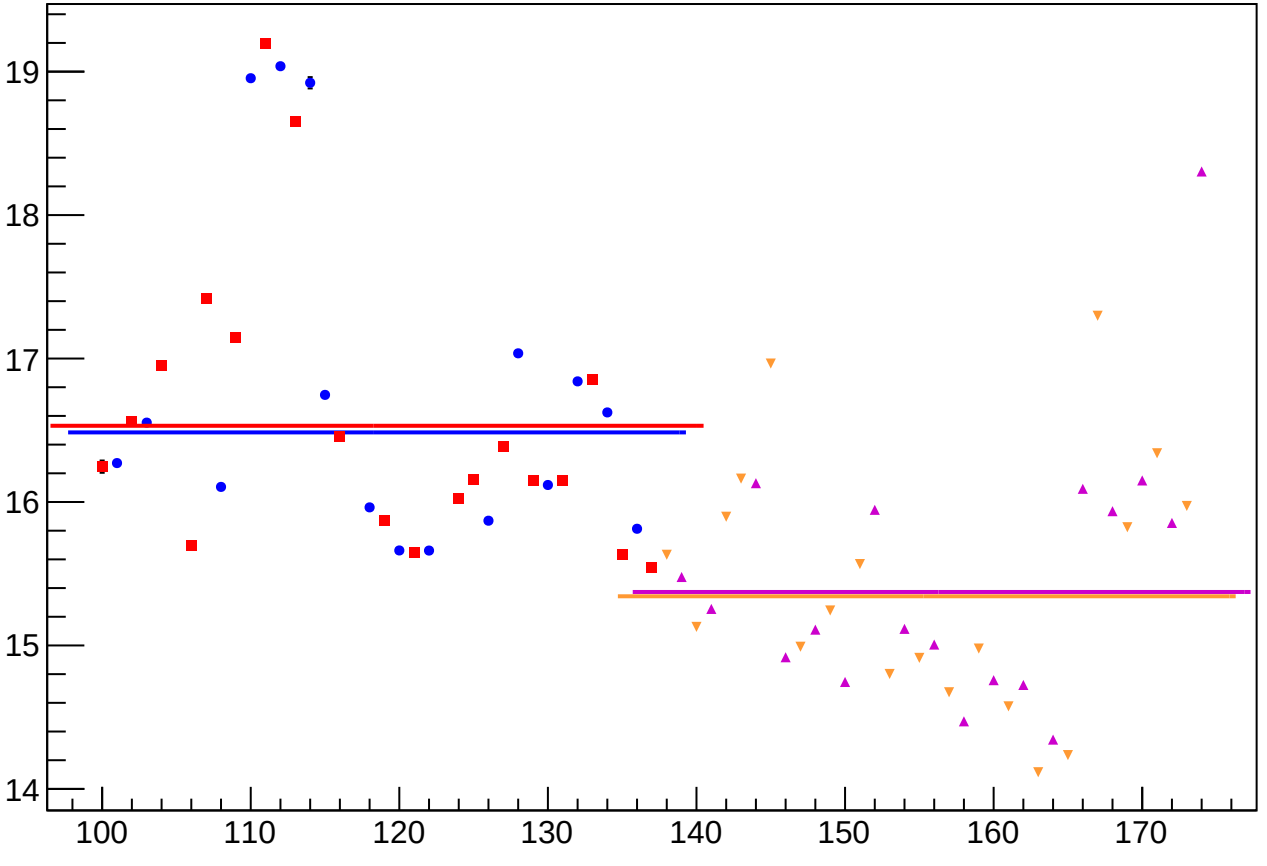
In: 21.711+/-0.003 χ^2/NDF:35895.0/33

Out: 21.734+/-0.003 χ^2/NDF:31758.2/37

All: 21.722+/-0.002 χ^2/NDF: 67677.6/71


asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 4.404+/-6.137 χ²/NDF: 4.3/15
Left Out: -2.542+/-3.967 χ²/NDF:8.0/18
Right Out: 2.244+/-6.042 χ²/NDF: 15.4/18
Left In: -3.469+/-3.997 χ²/NDF:18.8/17
Left: -3.002+/-2.816 χ²/NDF: 26.7/36
Right: 3.307+/-4.306 χ²/NDF: 19.7/34
In: -1.124+/-3.349 χ²/NDF:24.2/33
Out: -1.100+/-3.316 χ²/NDF:23.8/37
All: -1.112+/-2.356 χ²/NDF: 48.0/71

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.485+/-0.004 χ^2/NDF: 47186.1/15

Left Out: 15.343+/-0.003 χ^2/NDF:85592.8/18

Right Out: 16.531+/-0.004 χ^2/NDF: 46474.0/18

Left In: 15.373+/-0.003 χ^2/NDF:85133.0/17

Left: 15.358+/-0.002 χ^2/NDF: 170782.7/36

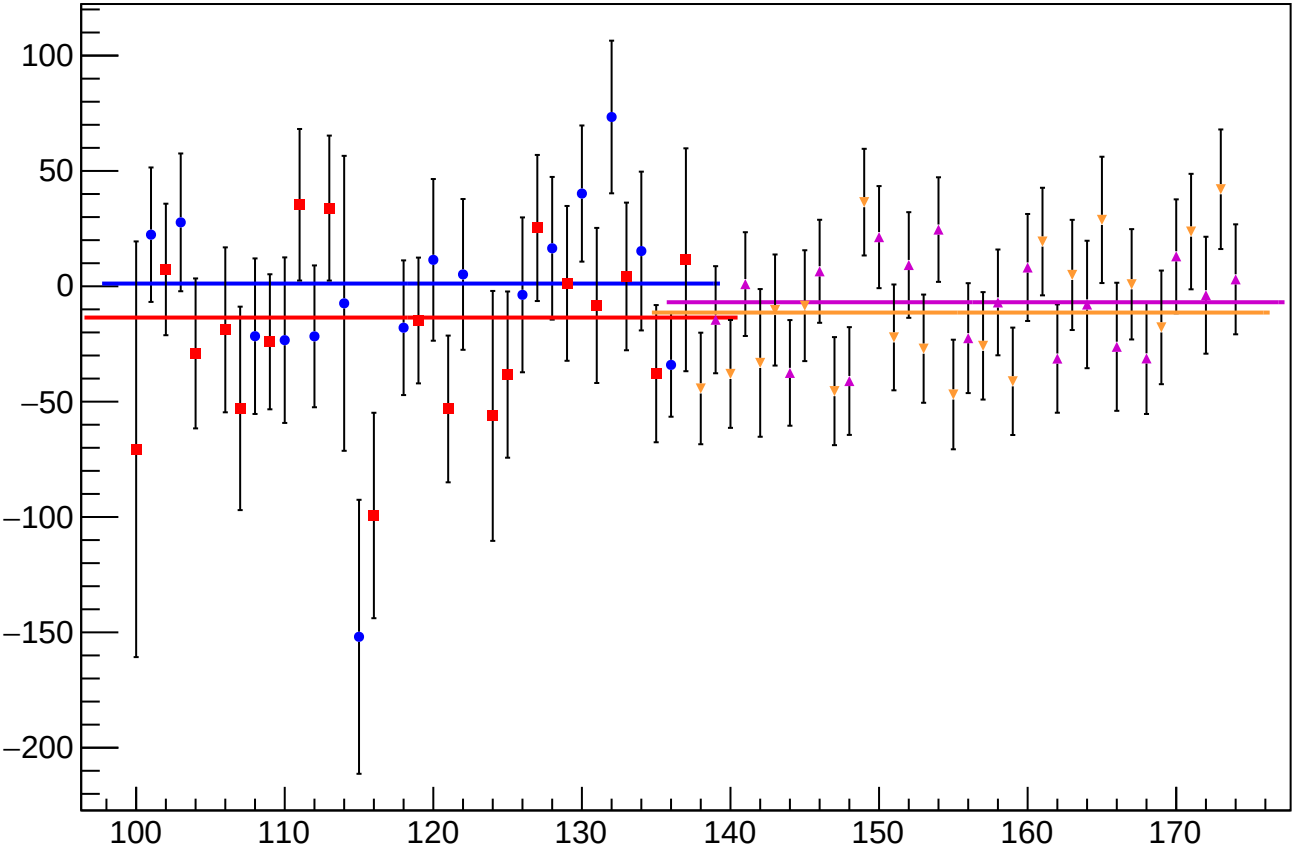
Right: 16.509+/-0.003 χ^2/NDF: 93717.6/34

In: 15.704+/-0.002 χ^2/NDF:178451.5/33

Out: 15.701+/-0.002 χ^2/NDF:186143.9/37

All: 15.702+/-0.002 χ^2/NDF: 364596.4/71

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.185+/-8.088 χ^2/NDF: 19.4/15

Left Out: -11.384+/-5.567 χ^2/NDF:25.9/18

Right Out: -13.549+/-7.915 χ^2/NDF: 15.9/18

Left In: -6.909+/-5.581 χ^2/NDF:12.8/17

Left: -9.152+/-3.942 χ^2/NDF: 39.0/36

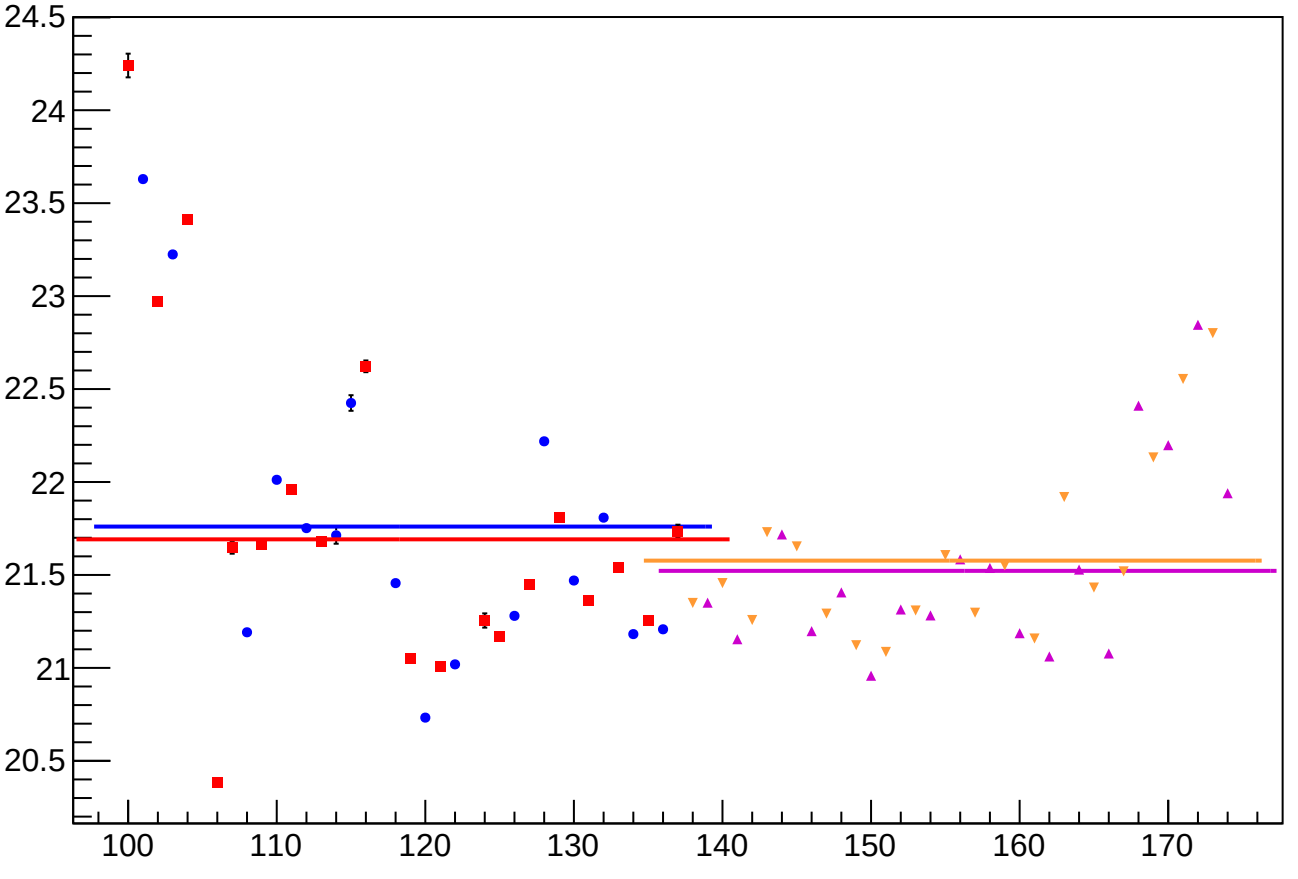
Right: -6.341+/-5.657 χ^2/NDF: 37.0/34

In: -4.298+/-4.594 χ^2/NDF:32.9/33

Out: -12.100+/-4.554 χ^2/NDF:41.9/37

All: -8.233+/-3.234 χ^2/NDF: 76.2/71

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.760+/-0.006 χ^2/NDF: 19745.7/15

Left Out: 21.577+/-0.004 χ^2/NDF:12723.8/18

Right Out: 21.692+/-0.006 χ^2/NDF: 18330.7/18

Left In: 21.522+/-0.004 χ^2/NDF:14954.1/17

Left: 21.550+/-0.003 χ^2/NDF: 27775.5/36

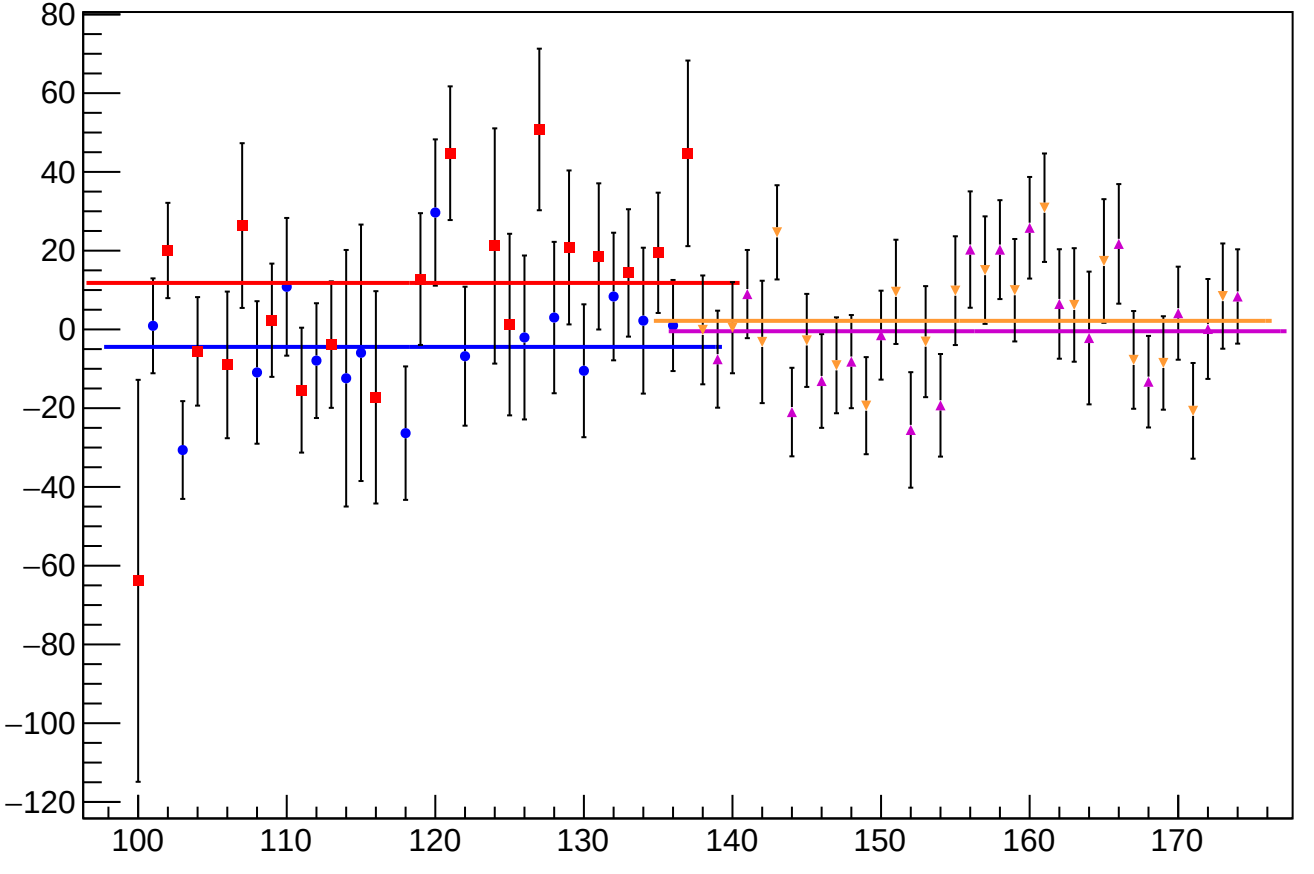
Right: 21.725+/-0.004 χ^2/NDF: 38150.0/34

In: 21.599+/-0.003 χ^2/NDF:35875.4/33

Out: 21.615+/-0.003 χ^2/NDF:31334.4/37

All: 21.607+/-0.002 χ^2/NDF: 67222.2/71

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 2.176+/-2.993 χ^2/NDF:20.4/18

Right Out: 11.807+/-4.097 χ^2/NDF: 21.7/18

Left In: -0.462+/-2.978 χ^2/NDF:24.1/17

Left: 0.851+/-2.111 χ^2/NDF: 44.8/36

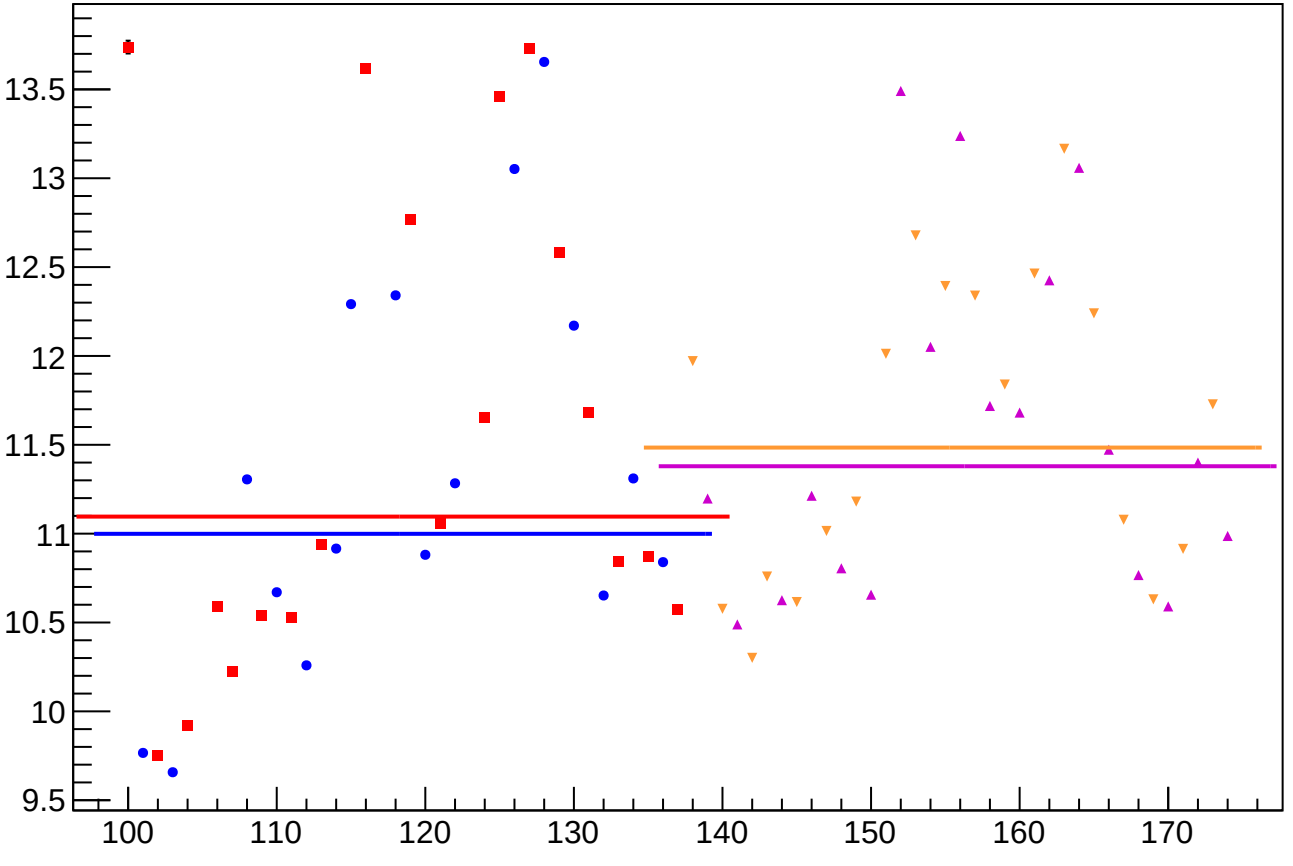
Right: 3.749+/-2.909 χ^2/NDF: 41.5/34

In: -1.822+/-2.416 χ^2/NDF:36.7/33

Out: 5.526+/-2.417 χ^2/NDF:45.7/37

All: 1.851+/-1.708 χ^2/NDF: 87.0/71

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.484+/-0.002 χ^2/NDF:143768.7/18

Right Out: 11.096+/-0.003 χ^2/NDF: 162908.7/18

Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

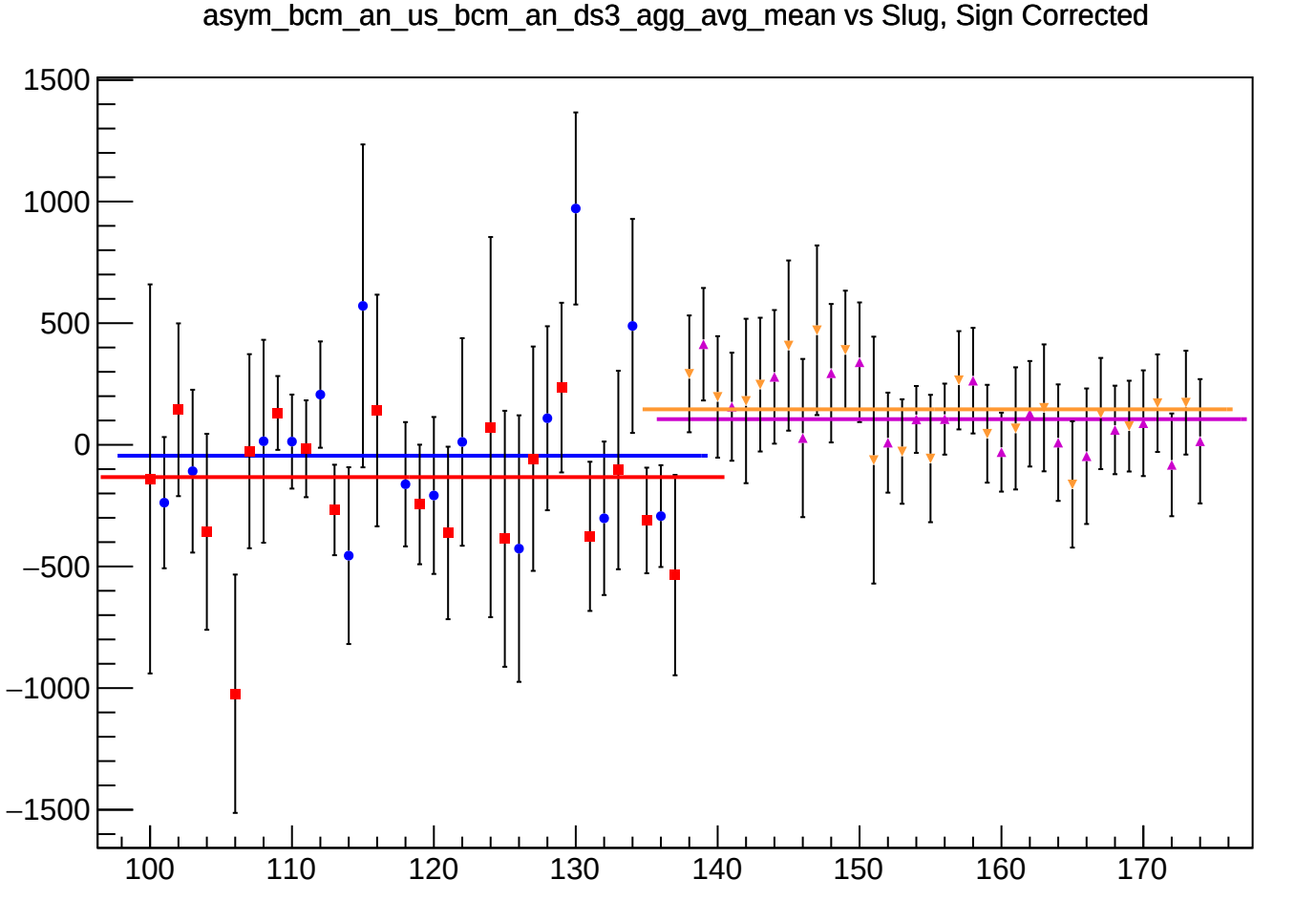
Left: 11.432+/-0.001 χ^2/NDF: 309208.1/36

Right: 11.048+/-0.002 χ^2/NDF: 299622.8/34

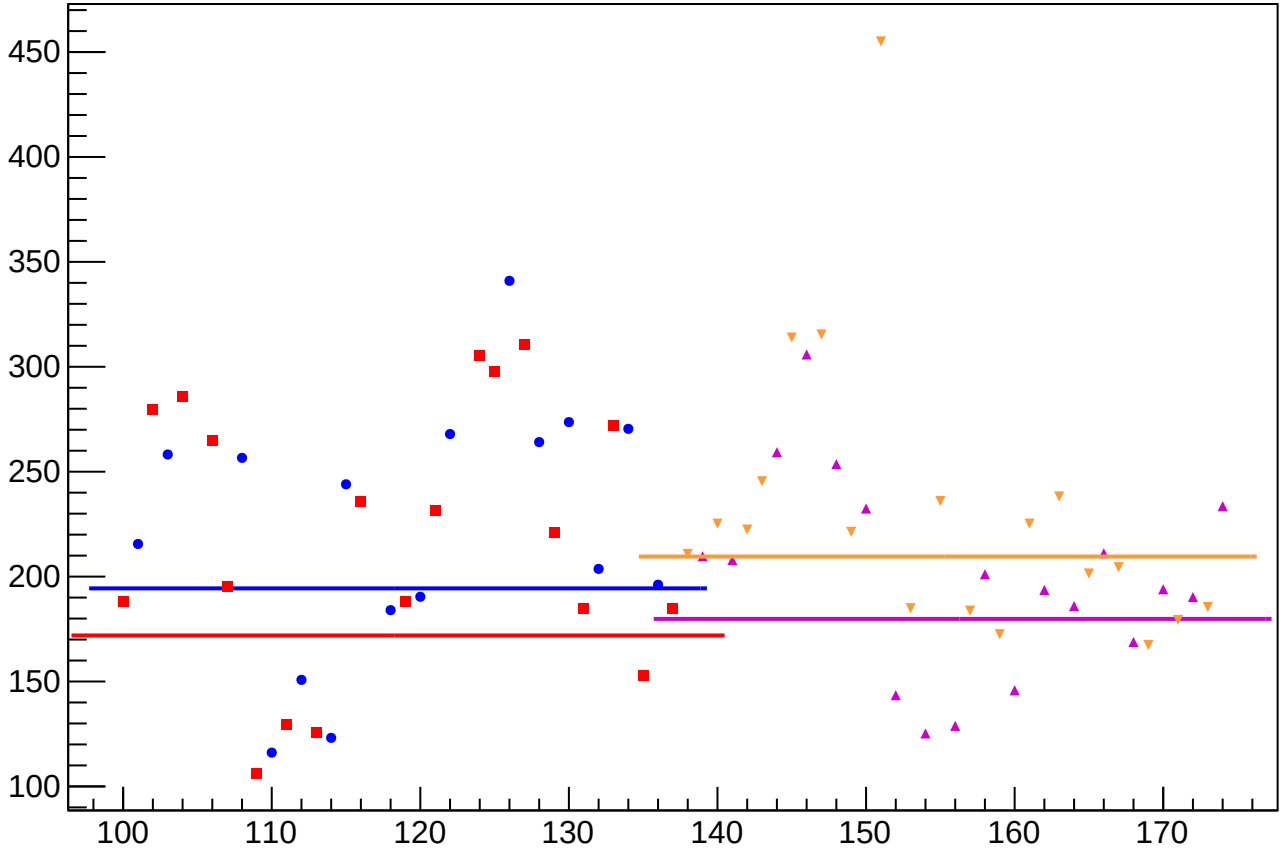
In: 11.249+/-0.002 χ^2/NDF:311513.6/33

Out: 11.349+/-0.002 χ^2/NDF:318399.4/37

All: 11.299+/-0.001 χ^2/NDF: 631625.9/71


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Right In: -44.797+/-76.424 χ²/NDF: 15.4/15
Left Out: 145.948+/-56.069 χ²/NDF:6.7/18
Right Out: -132.730+/-68.270 χ²/NDF: 12.9/18
Left In: 105.412+/-49.145 χ²/NDF:6.5/17
Left: 123.024+/-36.958 χ²/NDF: 13.5/36
Right: -93.703+/-50.914 χ²/NDF: 29.0/34
In: 61.468+/-41.336 χ²/NDF:24.7/33
Out: 33.694+/-43.329 χ²/NDF:29.5/37
All: 48.235+/-29.909 χ²/NDF: 54.4/71

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 209.564+/-0.040 χ^2/NDF:1234827.4/18

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

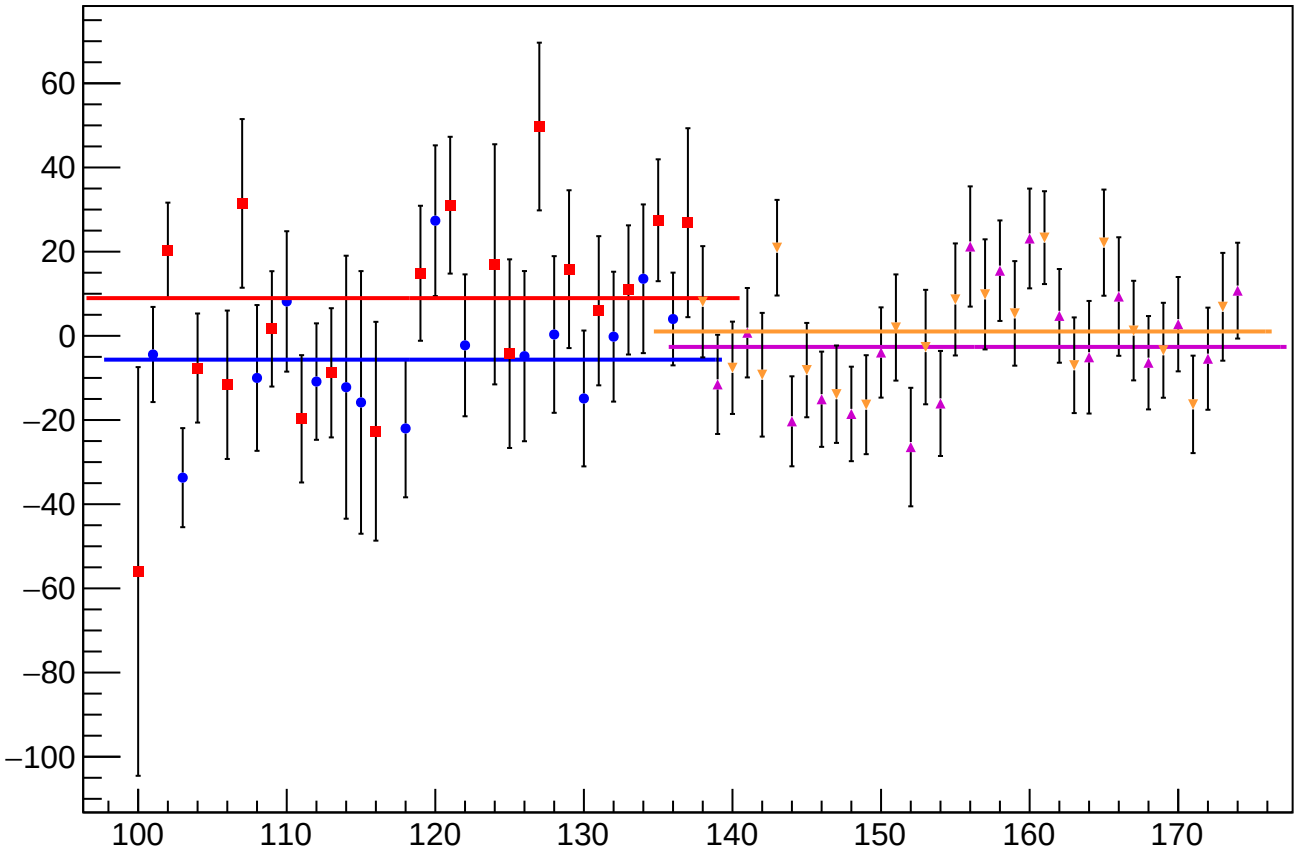
Left: 192.756+/-0.026 χ^2/NDF: 3184625.8/36

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.097+/-0.029 χ^2/NDF:2725235.3/33

Out: 194.413+/-0.031 χ^2/NDF:3248768.7/37

All: 189.012+/-0.021 χ^2/NDF: 6033347.4/71



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.037+/-2.778 χ^2/NDF:20.0/18

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.631+/-2.784 χ^2/NDF:23.4/17

Left: -0.794+/-1.966 χ^2/NDF: 44.3/36

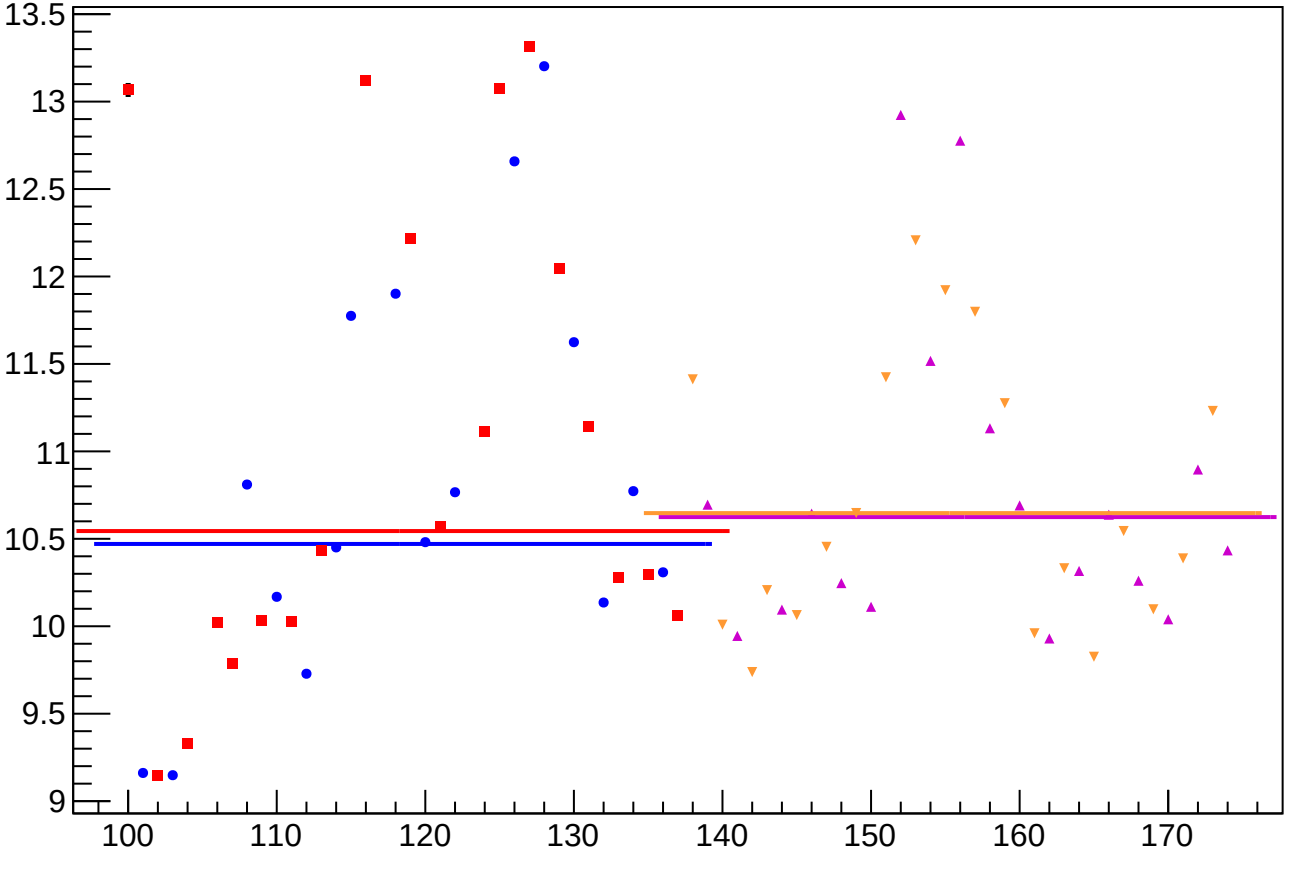
Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.639+/-2.273 χ^2/NDF:37.5/33

Out: 3.703+/-2.263 χ^2/NDF:45.5/37

All: 0.049+/-1.604 χ^2/NDF: 88.2/71

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.647+/-0.002 χ^2/NDF:130794.7/18

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

Left: 10.636+/-0.001 χ^2/NDF: 281527.0/36

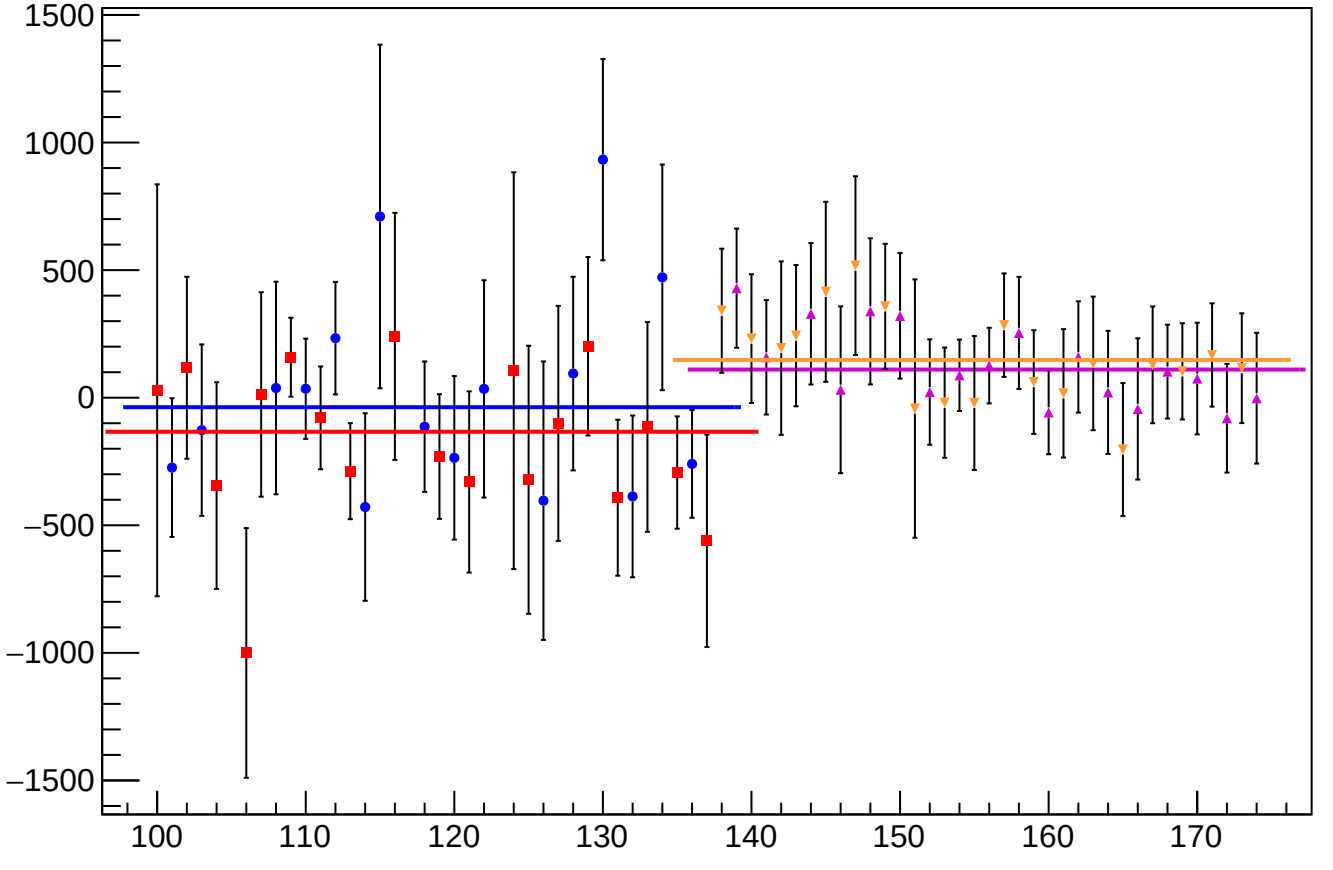
Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.573+/-0.002 χ^2/NDF:310061.8/33

Out: 10.612+/-0.002 χ^2/NDF:318494.2/37

All: 10.593+/-0.001 χ^2/NDF: 628857.4/71

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: 148.063+/-56.454 χ^2/NDF:7.3/18

Right Out: -133.386+/-68.885 χ^2/NDF: 12.9/18

Left In: 110.289+/-49.611 χ^2/NDF:7.2/17

Left: 126.749+/-37.266 χ^2/NDF: 14.7/36

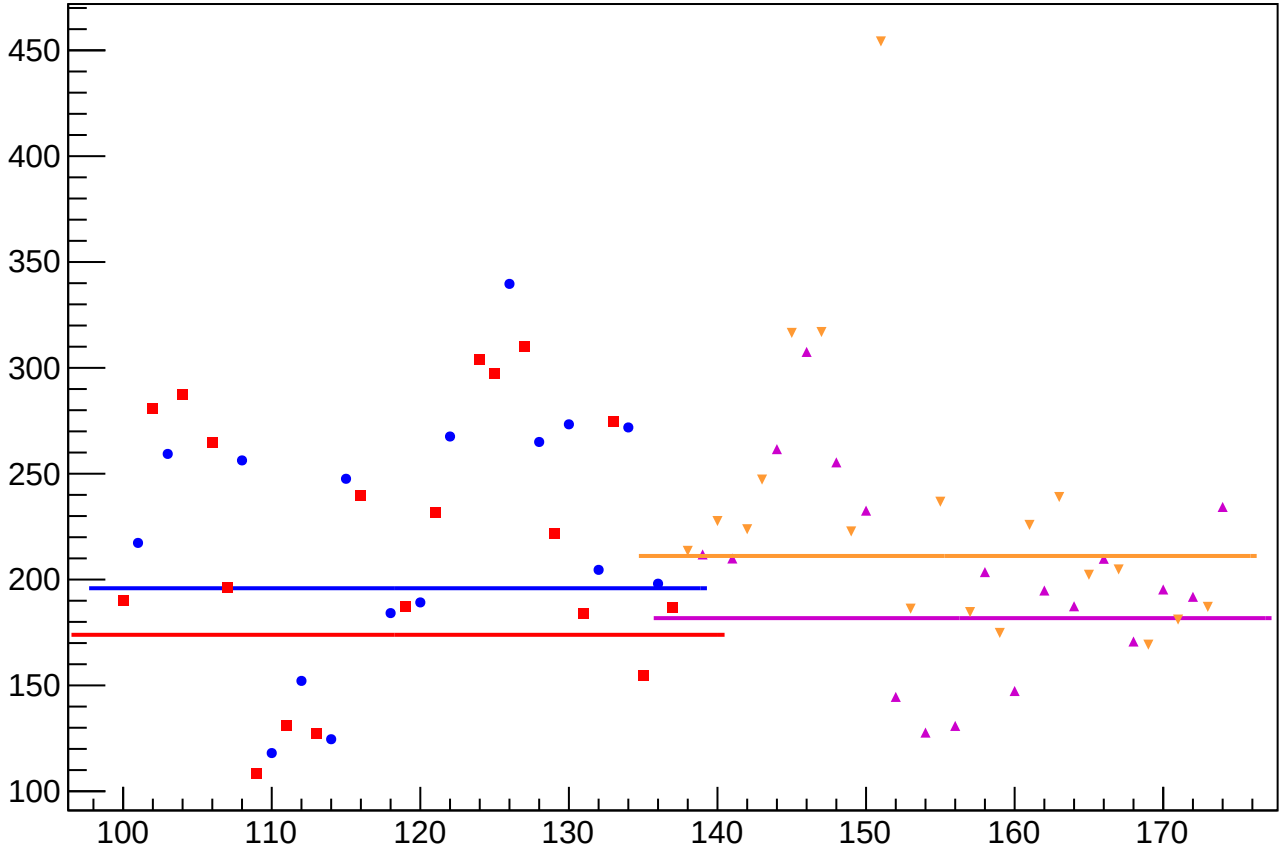
Right: -90.593+/-51.314 χ^2/NDF: 29.4/34

In: 66.943+/-41.691 χ^2/NDF:25.4/33

Out: 34.981+/-43.664 χ^2/NDF:30.2/37

All: 51.700+/-30.153 χ^2/NDF: 55.9/71

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 211.145+/-0.040 χ^2/NDF:1216525.3/18

Right Out: 173.901+/-0.049 χ^2/NDF: 1599608.1/18

Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

Left: 194.575+/-0.026 χ^2/NDF: 3105574.4/36

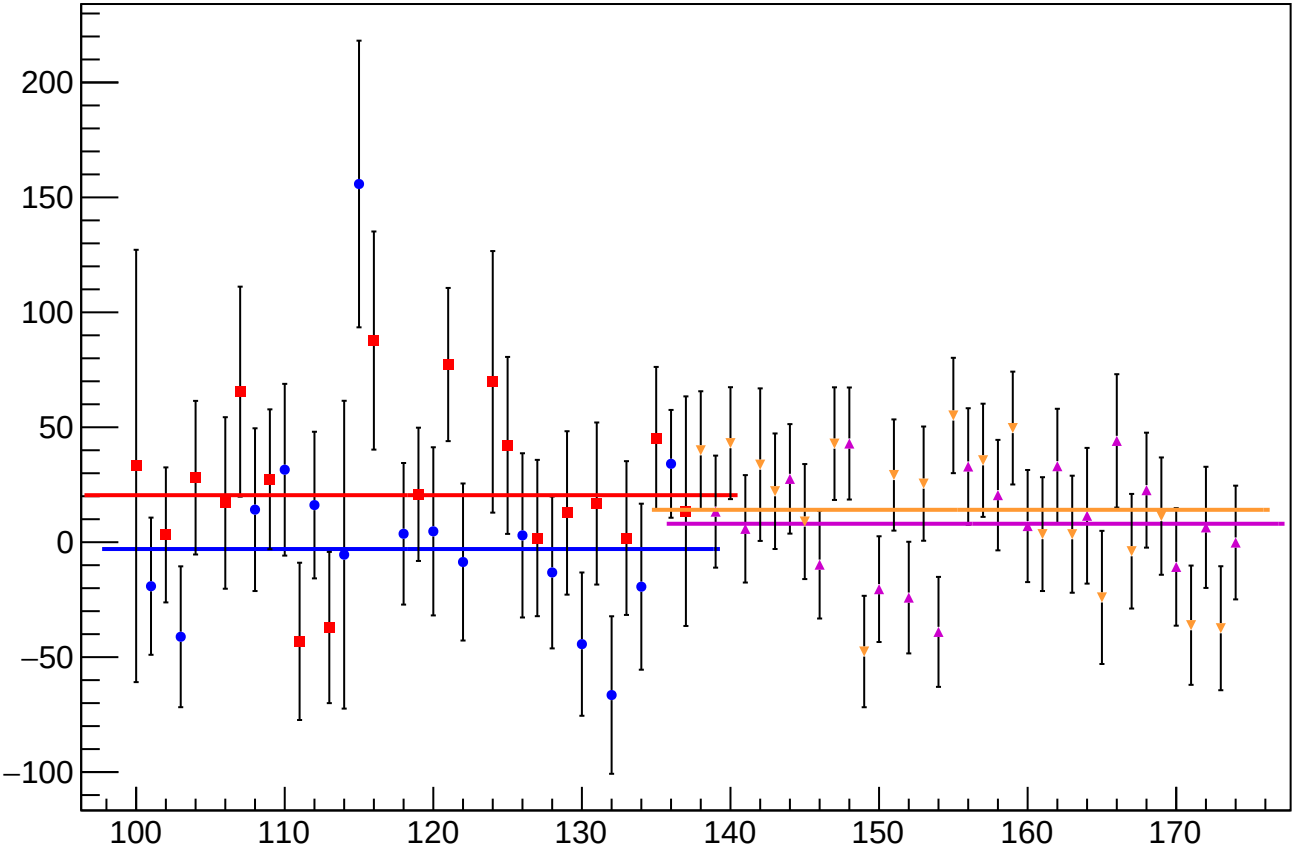
Right: 183.693+/-0.036 χ^2/NDF: 2701402.5/34

In: 185.928+/-0.029 χ^2/NDF:2642326.8/33

Out: 196.181+/-0.031 χ^2/NDF:3165856.4/37

All: 190.817+/-0.021 χ^2/NDF: 5865868.6/71

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 14.092+/-5.846 χ^2/NDF:26.9/18

Right Out: 20.457+/-8.292 χ^2/NDF: 15.3/18

Left In: 8.024+/-5.849 χ^2/NDF:15.3/17

Left: 11.060+/-4.135 χ^2/NDF: 42.8/36

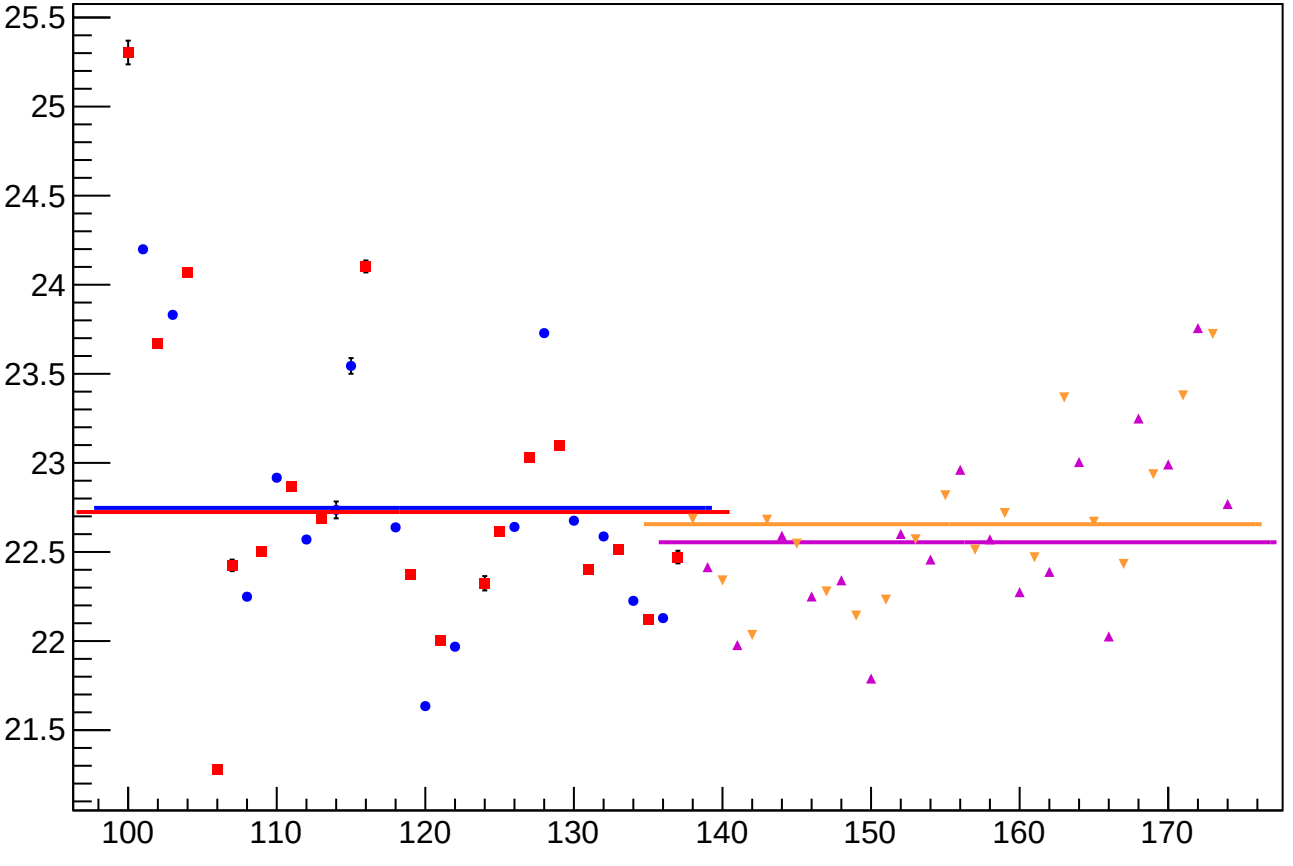
Right: 8.972+/-5.920 χ^2/NDF: 37.1/34

In: 4.466+/-4.810 χ^2/NDF:34.4/33

Out: 16.206+/-4.778 χ^2/NDF:42.6/37

All: 10.375+/-3.390 χ^2/NDF: 80.0/71

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.747+/-0.006 χ^2/NDF: 14622.8/15

Left Out: 22.656+/-0.004 χ^2/NDF:10019.2/18

Right Out: 22.724+/-0.006 χ^2/NDF: 14490.6/18

Left In: 22.554+/-0.004 χ^2/NDF:12471.4/17

Left: 22.605+/-0.003 χ^2/NDF: 22791.5/36

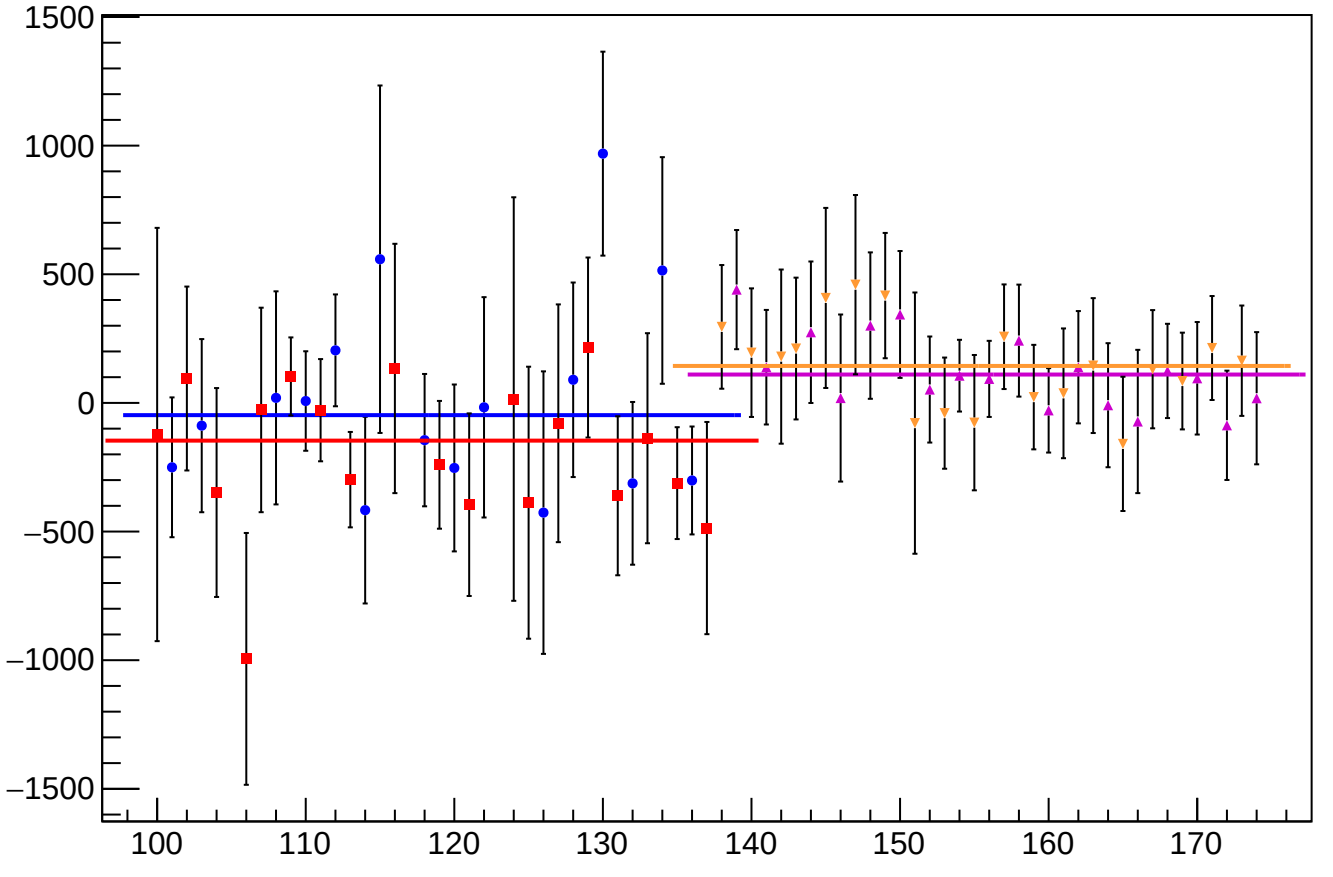
Right: 22.736+/-0.004 χ^2/NDF: 29121.1/34

In: 22.617+/-0.003 χ^2/NDF:27799.1/33

Out: 22.679+/-0.003 χ^2/NDF:24600.5/37

All: 22.648+/-0.002 χ^2/NDF: 52564.9/71

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 143.713+/-56.334 χ^2/NDF:7.2/18

Right Out: -146.573+/-68.398 χ^2/NDF: 11.6/18

Left In: 110.281+/-49.483 χ^2/NDF:6.7/17

Left: 124.841+/-37.177 χ^2/NDF: 14.1/36

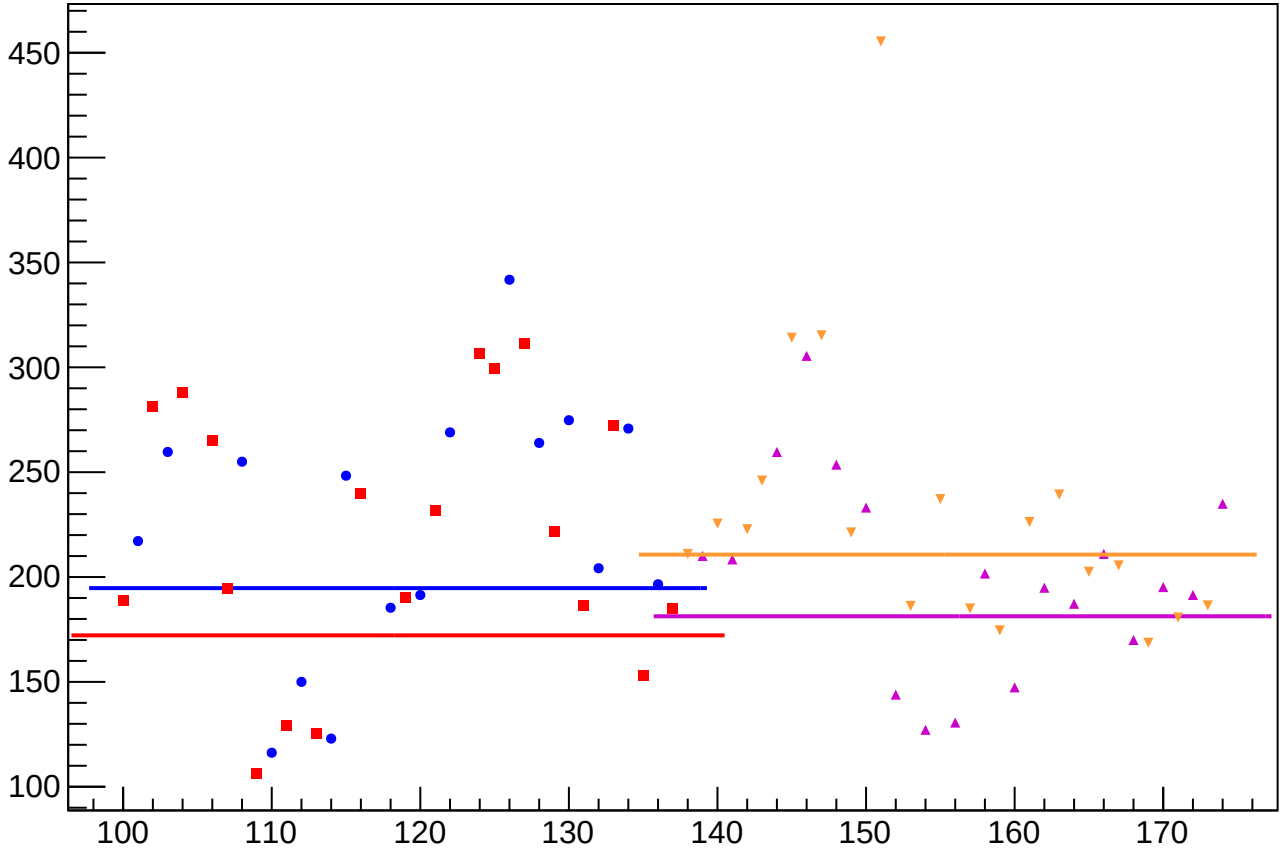
Right: -102.614+/-51.010 χ^2/NDF: 27.9/34

In: 63.793+/-41.560 χ^2/NDF:25.1/33

Out: 26.386+/-43.484 χ^2/NDF:29.5/37

All: 45.935+/-30.045 χ^2/NDF: 55.0/71

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 210.690+/-0.040 χ^2/NDF:1210286.8/18

Right Out: 172.186+/-0.048 χ^2/NDF: 1671068.3/18

Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

Left: 194.094+/-0.026 χ^2/NDF: 3095063.8/36

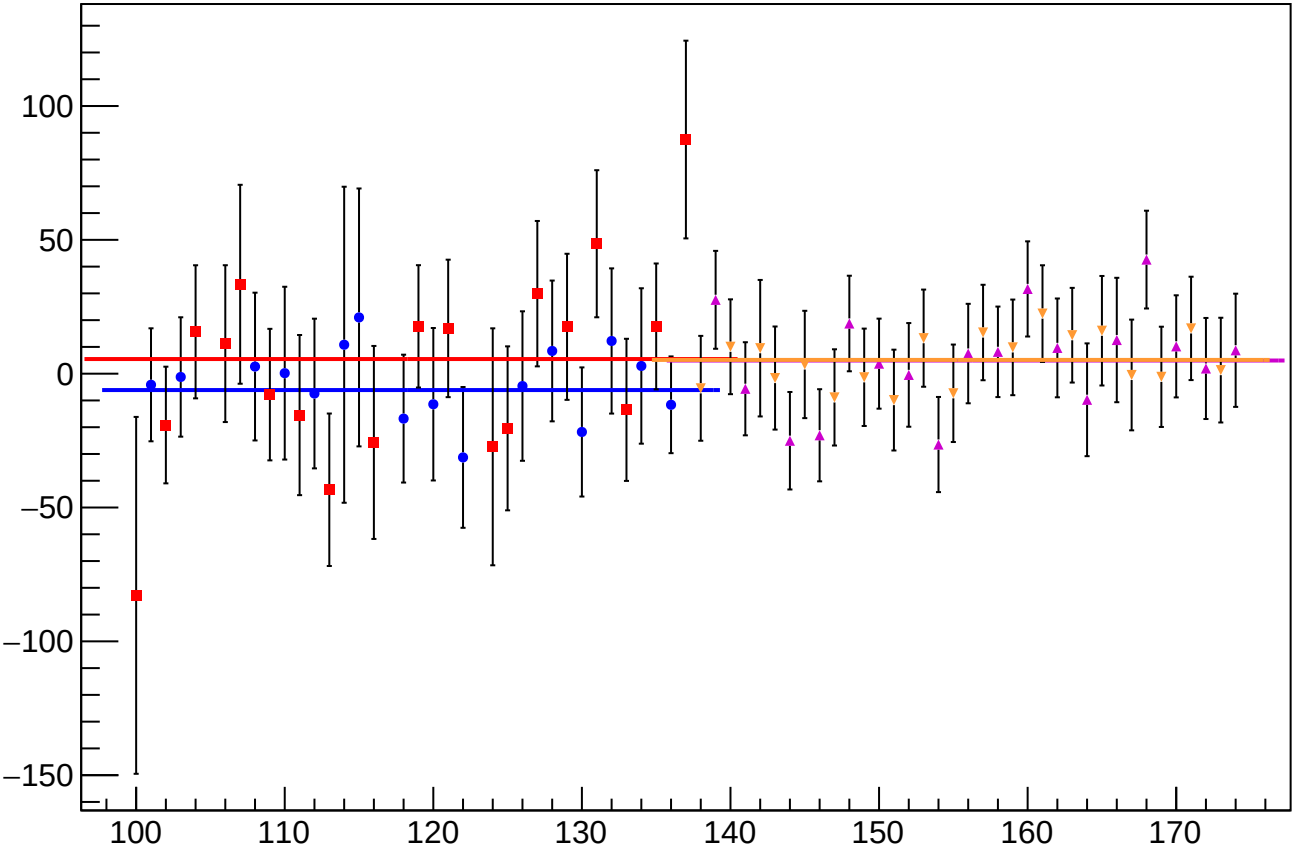
Right: 182.181+/-0.036 χ^2/NDF: 2819594.0/34

In: 185.242+/-0.029 χ^2/NDF:2672877.1/33

Out: 195.128+/-0.031 χ^2/NDF:3258996.1/37

All: 189.961+/-0.021 χ^2/NDF: 5985894.7/71

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.143+/-4.347 χ^2/NDF:5.0/18

Right Out: 5.470+/-6.509 χ^2/NDF: 19.2/18

Left In: 4.919+/-4.361 χ^2/NDF:18.4/17

Left: 5.032+/-3.079 χ^2/NDF: 23.5/36

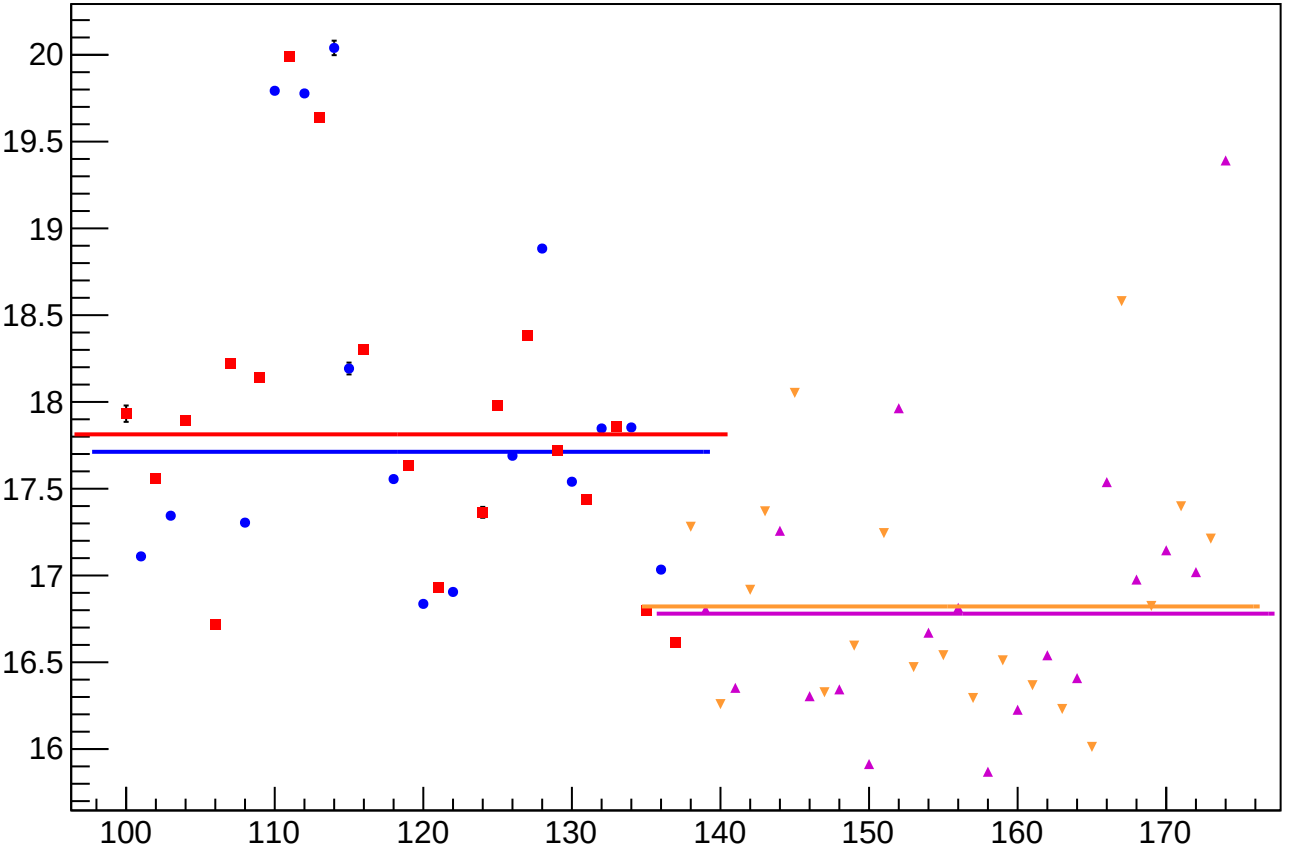
Right: -0.251+/-4.632 χ^2/NDF: 23.9/34

In: 1.559+/-3.637 χ^2/NDF:23.5/33

Out: 5.244+/-3.615 χ^2/NDF:24.2/37

All: 3.413+/-2.564 χ^2/NDF: 48.2/71

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.822+/-0.003 χ^2/NDF:42374.7/18

Right Out: 17.813+/-0.005 χ^2/NDF: 32713.6/18

Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

Left: 16.801+/-0.002 χ^2/NDF: 103246.0/36

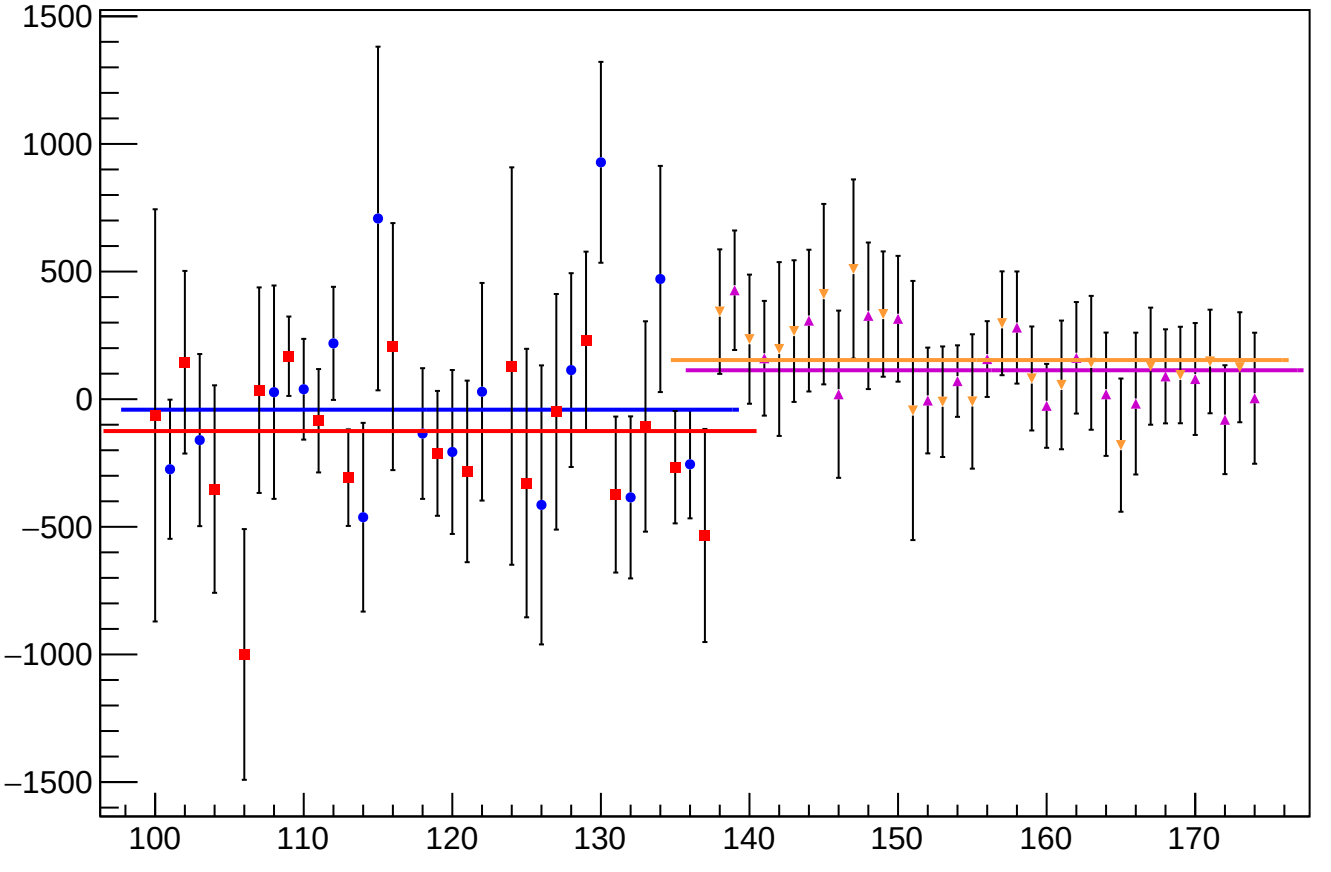
Right: 17.764+/-0.003 χ^2/NDF: 68933.0/34

In: 17.064+/-0.003 χ^2/NDF:124602.2/33

Out: 17.127+/-0.003 χ^2/NDF:107192.2/37

All: 17.096+/-0.002 χ^2/NDF: 232101.0/71

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 153.311+/-56.576 χ^2/NDF:6.6/18

Right Out: -124.872+/-69.109 χ^2/NDF: 12.9/18

Left In: 113.318+/-49.708 χ^2/NDF:6.9/17

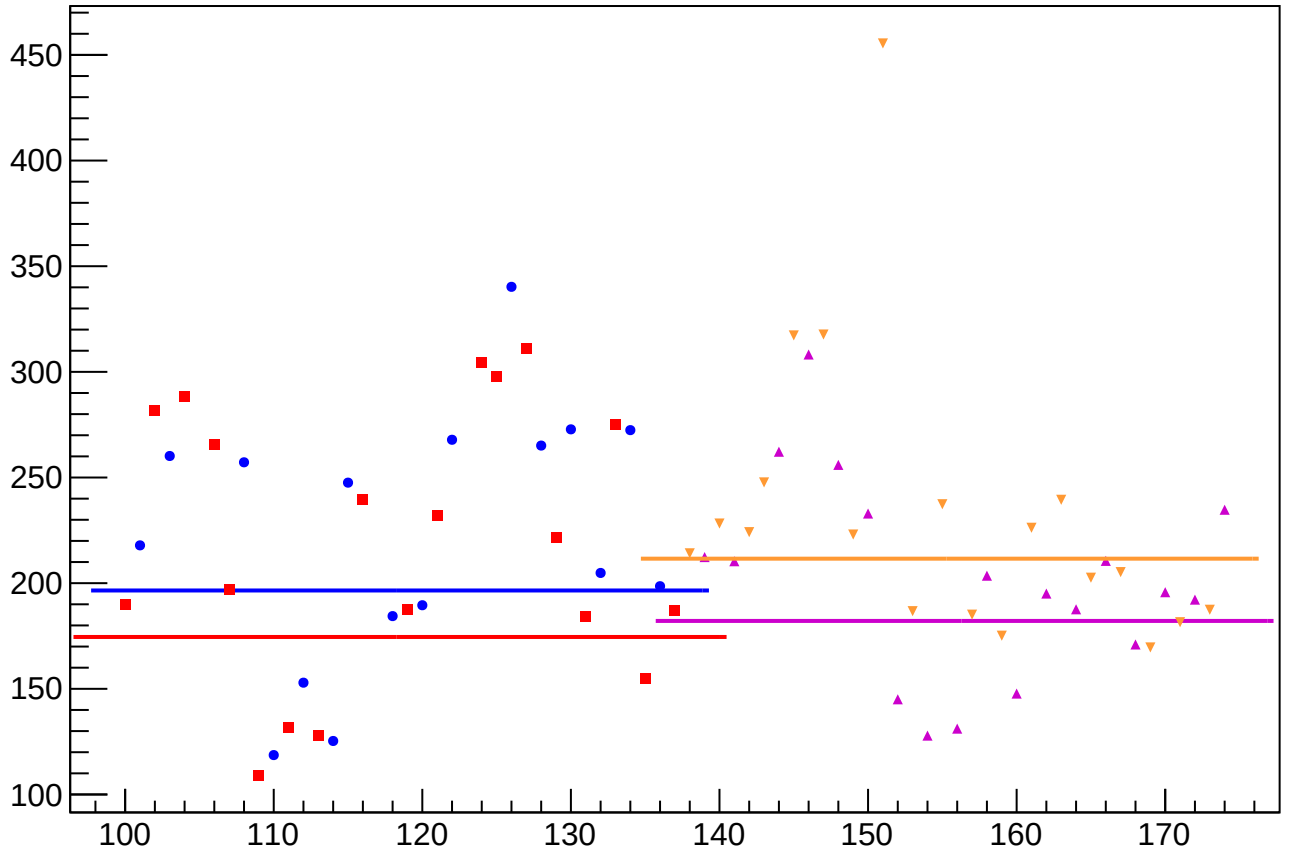
Left: 130.741+/-37.342 χ^2/NDF: 13.8/36

Right: -87.579+/-51.473 χ^2/NDF: 29.1/34

In: 68.006+/-41.784 χ^2/NDF:25.4/33

Out: 41.685+/-43.777 χ^2/NDF:29.2/37

All: 55.458+/-30.226 χ^2/NDF: 54.8/71



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 211.597+/-0.040 χ^2/NDF:1216948.8/18

Right Out: 174.540+/-0.049 χ^2/NDF: 1588725.2/18

Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

Left: 194.968+/-0.026 χ^2/NDF: 3106826.1/36

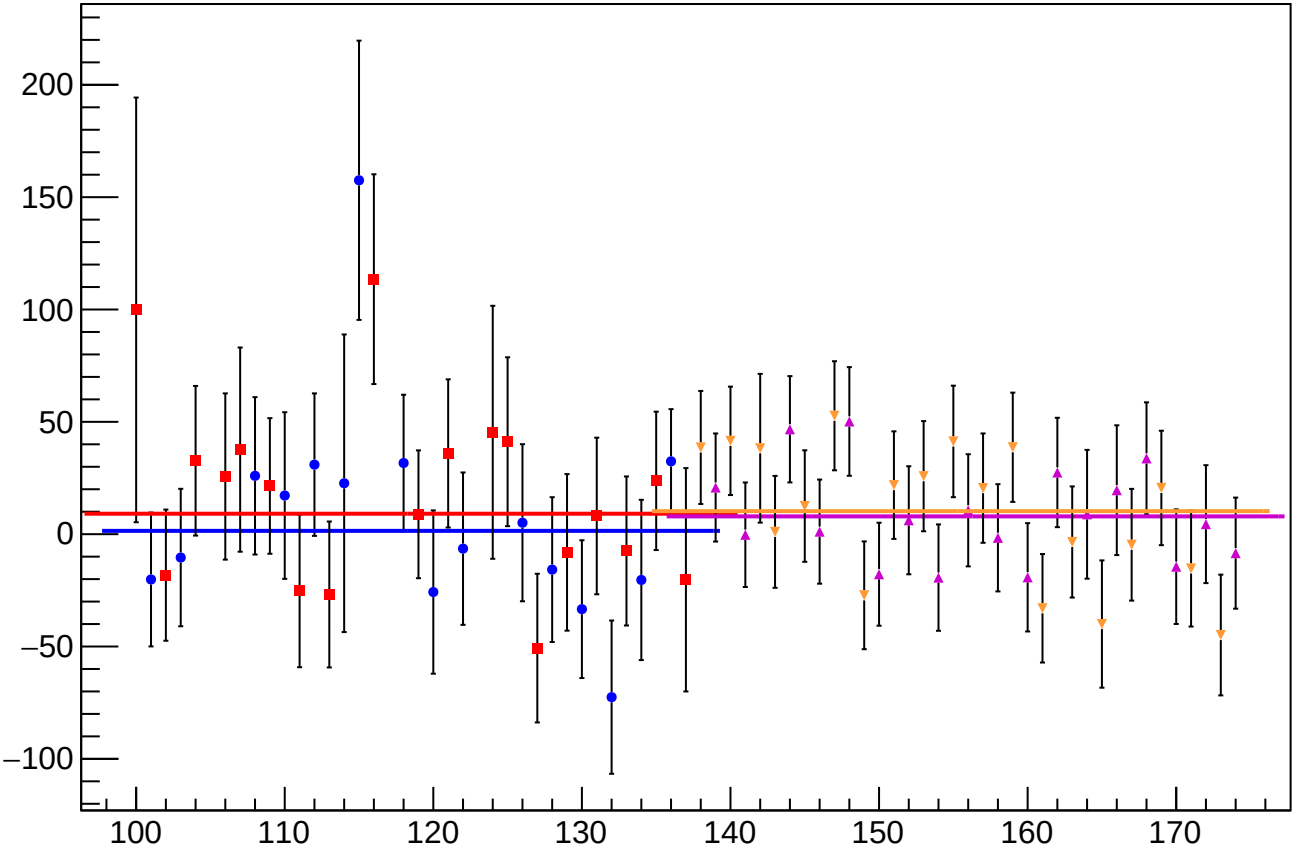
Right: 184.337+/-0.036 χ^2/NDF: 2679758.7/34

In: 186.360+/-0.030 χ^2/NDF:2633816.8/33

Out: 196.727+/-0.031 χ^2/NDF:3149975.4/37

All: 191.302+/-0.021 χ^2/NDF: 5842487.0/71

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: 10.245+/-5.780 χ^2/NDF:25.4/18

Right Out: 9.113+/-8.198 χ^2/NDF: 16.5/18

Left In: 7.917+/-5.795 χ^2/NDF:13.4/17

Left: 9.084+/-4.093 χ^2/NDF: 38.9/36

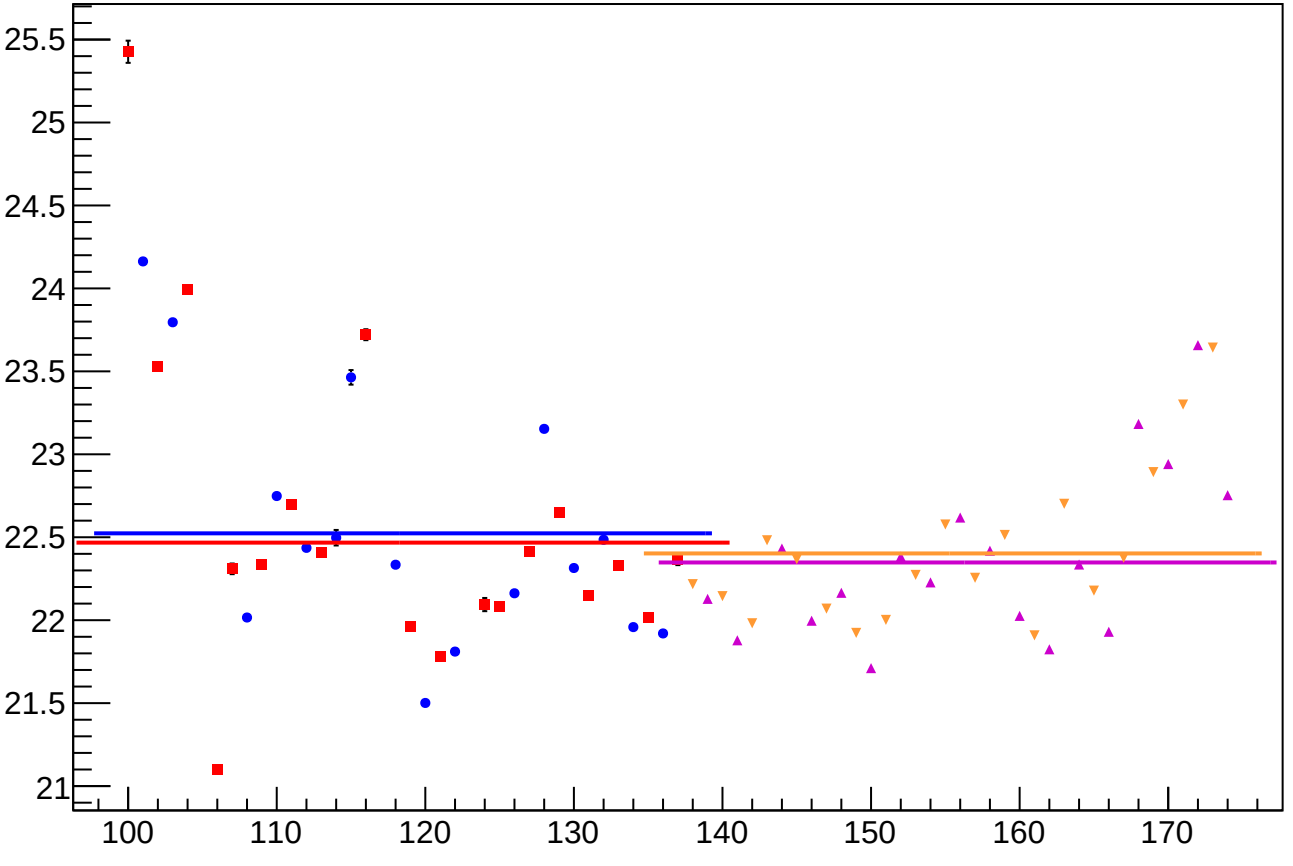
Right: 5.374+/-5.857 χ^2/NDF: 35.6/34

In: 5.829+/-4.765 χ^2/NDF:32.4/33

Out: 9.869+/-4.724 χ^2/NDF:41.9/37

All: 7.867+/-3.355 χ^2/NDF: 74.7/71

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.402+/-0.004 χ^2/NDF:11357.7/18

Right Out: 22.468+/-0.006 χ^2/NDF: 15626.5/18

Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

Left: 22.375+/-0.003 χ^2/NDF: 25425.0/36

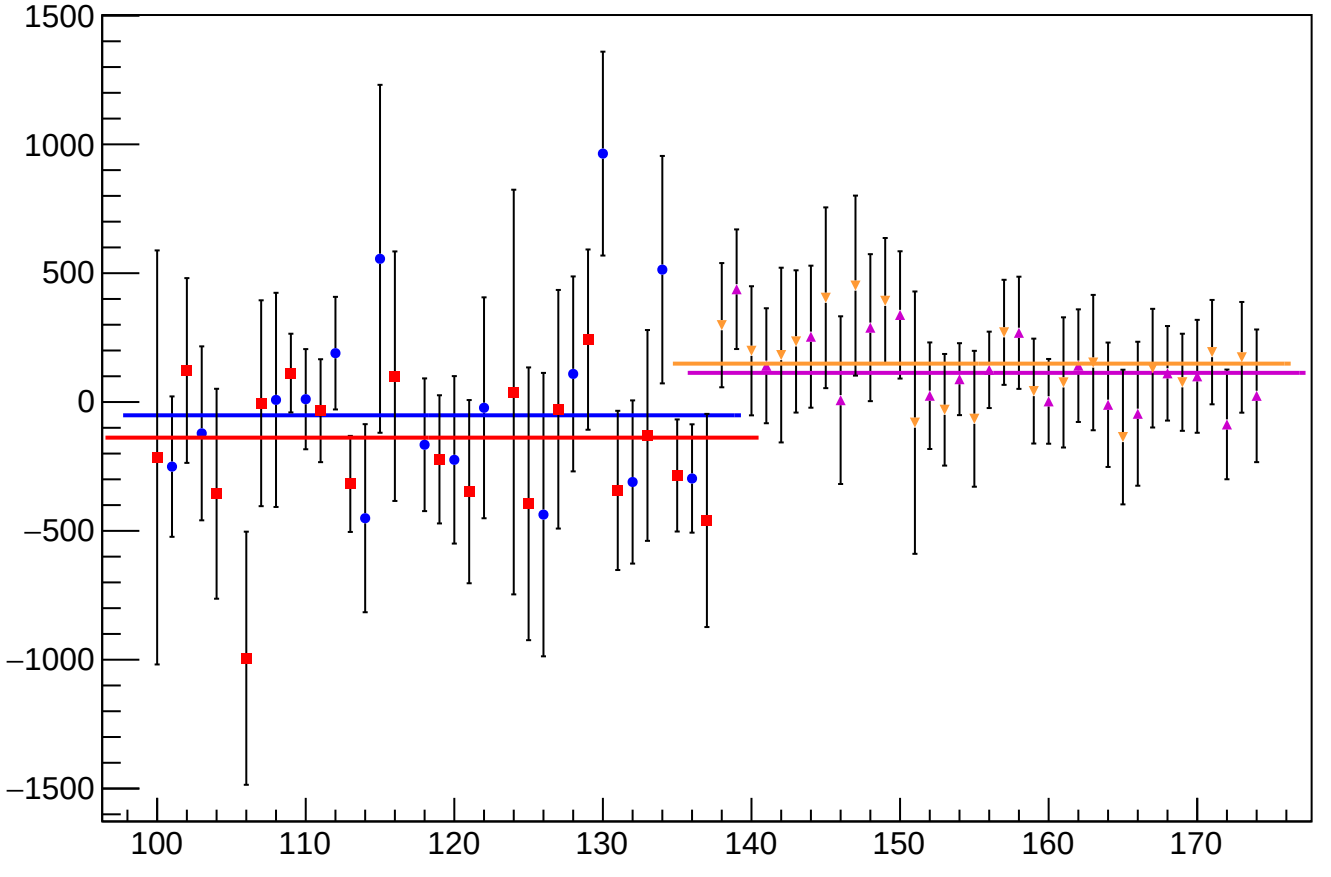
Right: 22.495+/-0.004 χ^2/NDF: 31619.9/34

In: 22.405+/-0.003 χ^2/NDF:30521.7/33

Out: 22.424+/-0.003 χ^2/NDF:27068.5/37

All: 22.415+/-0.002 χ^2/NDF: 57606.6/71

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 149.035+/-56.456 χ^2/NDF:6.5/18

Right Out: -138.184+/-68.625 χ^2/NDF: 11.6/18

Left In: 113.219+/-49.579 χ^2/NDF:6.3/17

Left: 128.814+/-37.253 χ^2/NDF: 13.0/36

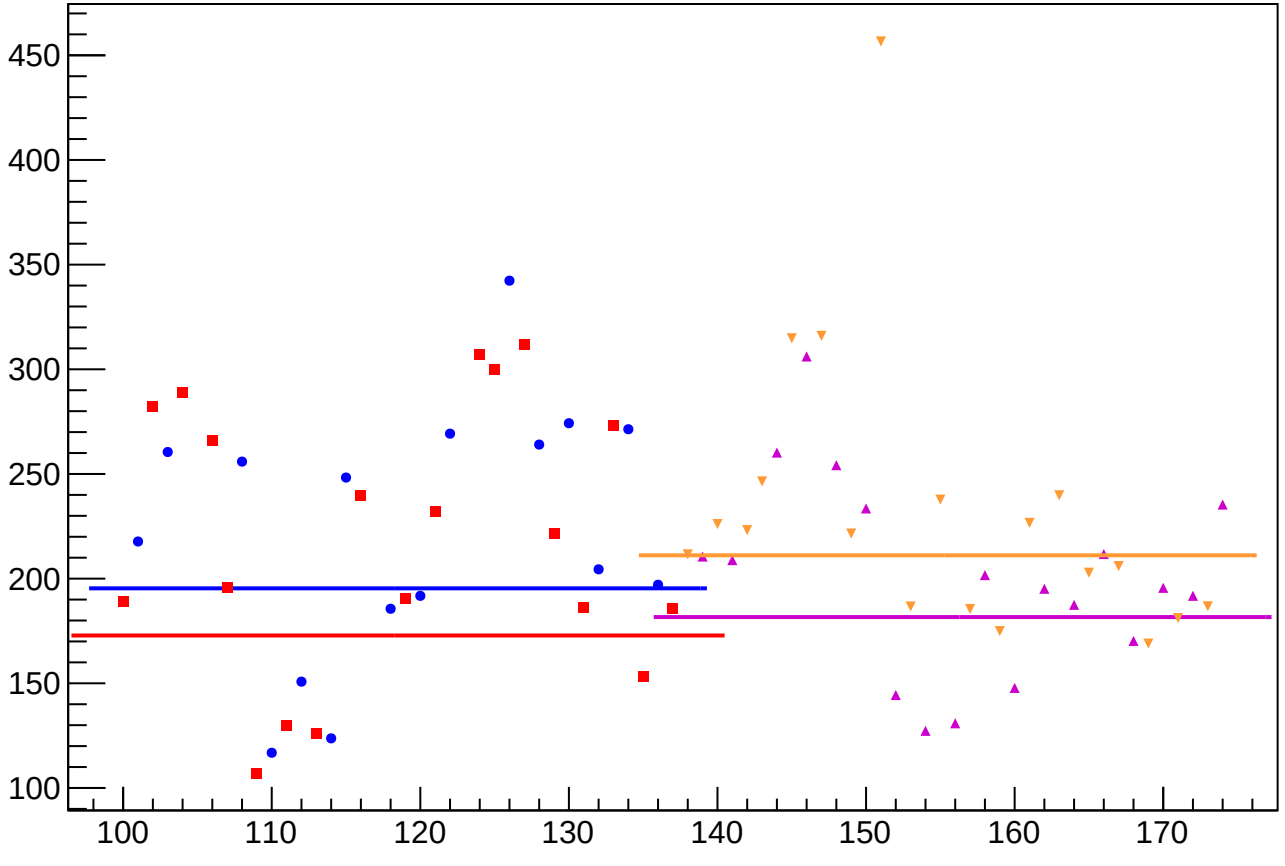
Right: -99.695+/-51.171 χ^2/NDF: 27.7/34

In: 64.766+/-41.653 χ^2/NDF:24.9/33

Out: 33.106+/-43.598 χ^2/NDF:28.5/37

All: 49.658+/-30.117 χ^2/NDF: 53.7/71

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 211.142+/-0.040 χ^2/NDF:1210699.9/18

Right Out: 172.837+/-0.049 χ^2/NDF: 1659430.2/18

Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

Left: 194.485+/-0.026 χ^2/NDF: 3096472.5/36

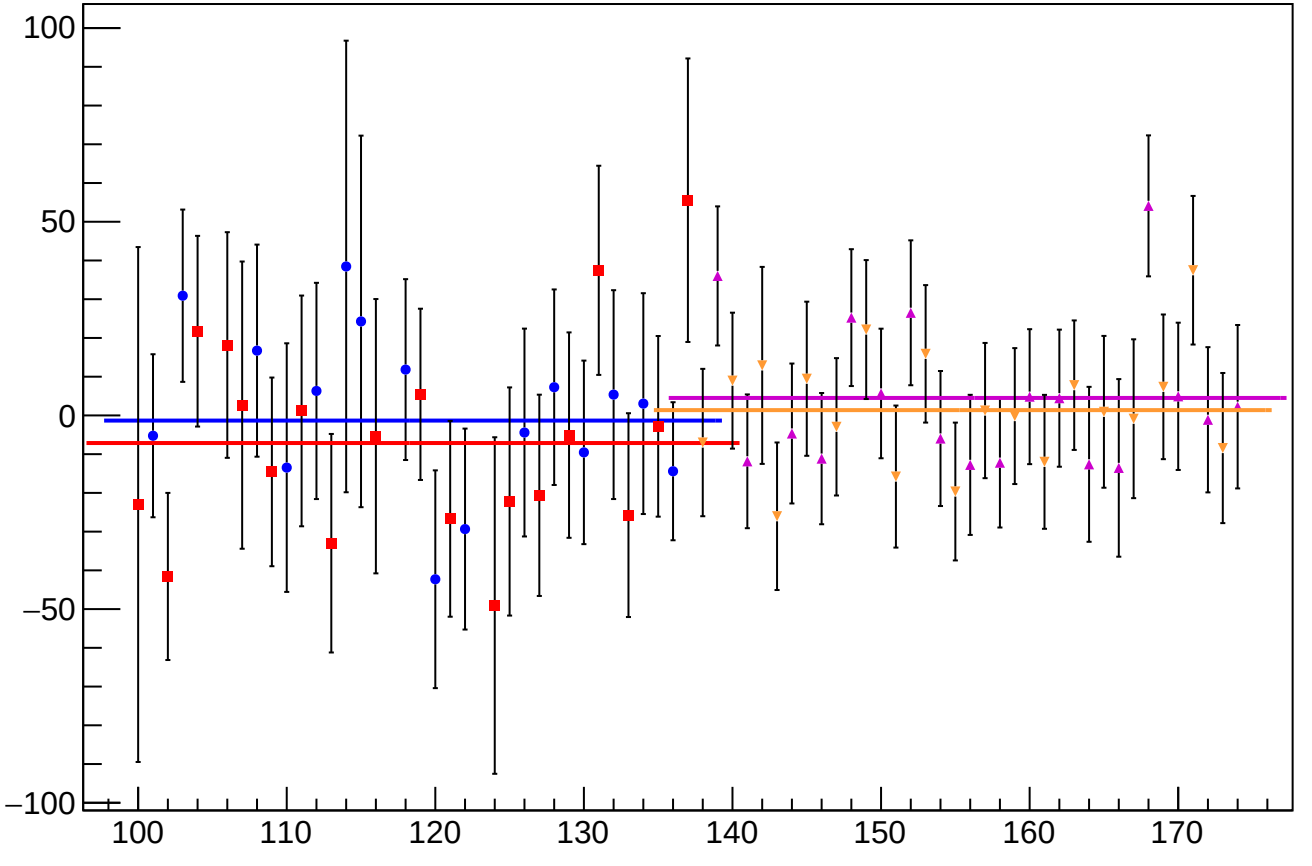
Right: 182.837+/-0.036 χ^2/NDF: 2796519.3/34

In: 185.676+/-0.029 χ^2/NDF:2663900.5/33

Out: 195.681+/-0.031 χ^2/NDF:3241757.2/37

All: 190.450+/-0.021 χ^2/NDF: 5960727.3/71

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 1.367+/-4.259 χ^2/NDF:11.8/18

Right Out: -7.126+/-6.402 χ^2/NDF: 14.4/18

Left In: 4.513+/-4.290 χ^2/NDF:19.0/17

Left: 2.929+/-3.023 χ^2/NDF: 31.1/36

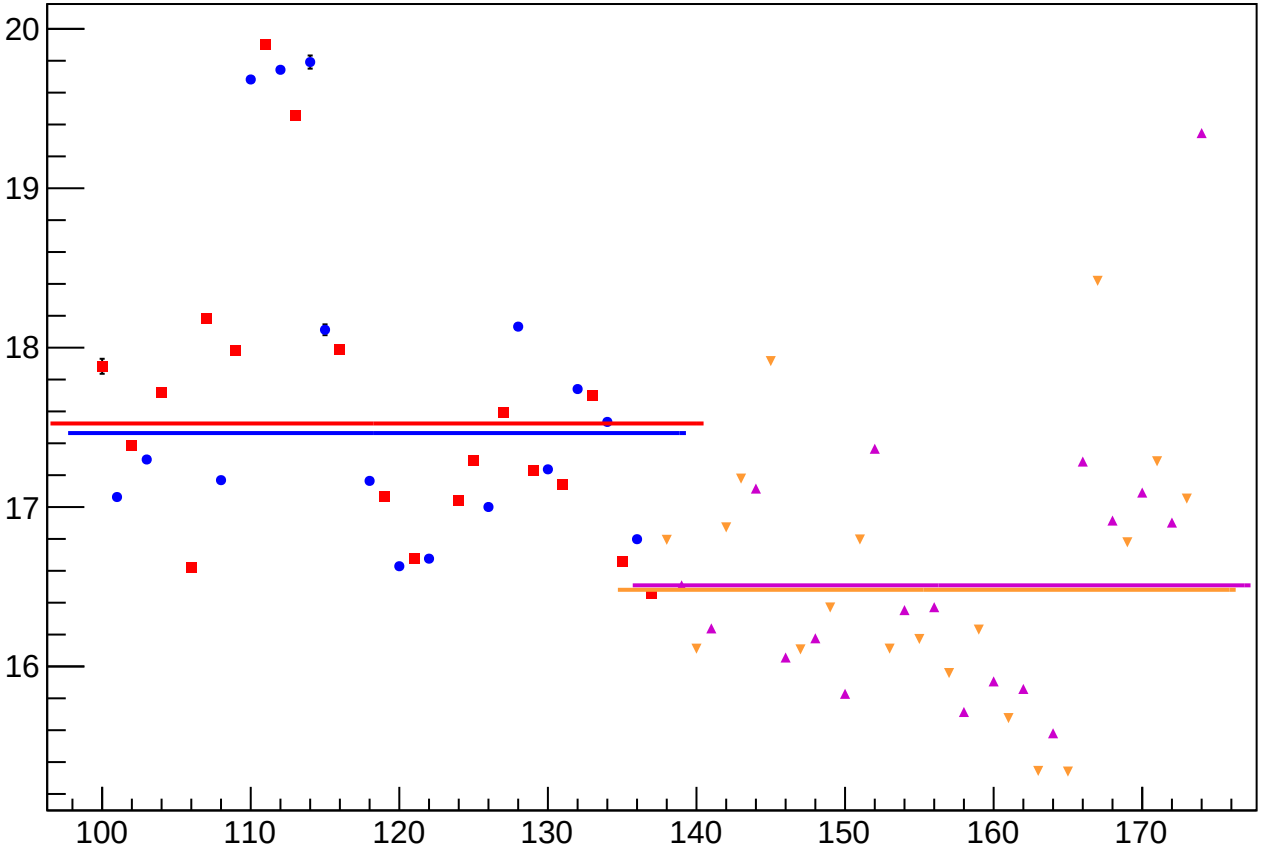
Right: -4.272+/-4.561 χ^2/NDF: 22.8/34

In: 2.739+/-3.580 χ^2/NDF:27.6/33

Out: -1.239+/-3.546 χ^2/NDF:27.5/37

All: 0.731+/-2.520 χ^2/NDF: 55.7/71

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.481+/-0.003 χ^2/NDF:64215.0/18

Right Out: 17.524+/-0.005 χ^2/NDF: 34726.0/18

Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

Left: 16.495+/-0.002 χ^2/NDF: 133055.9/36

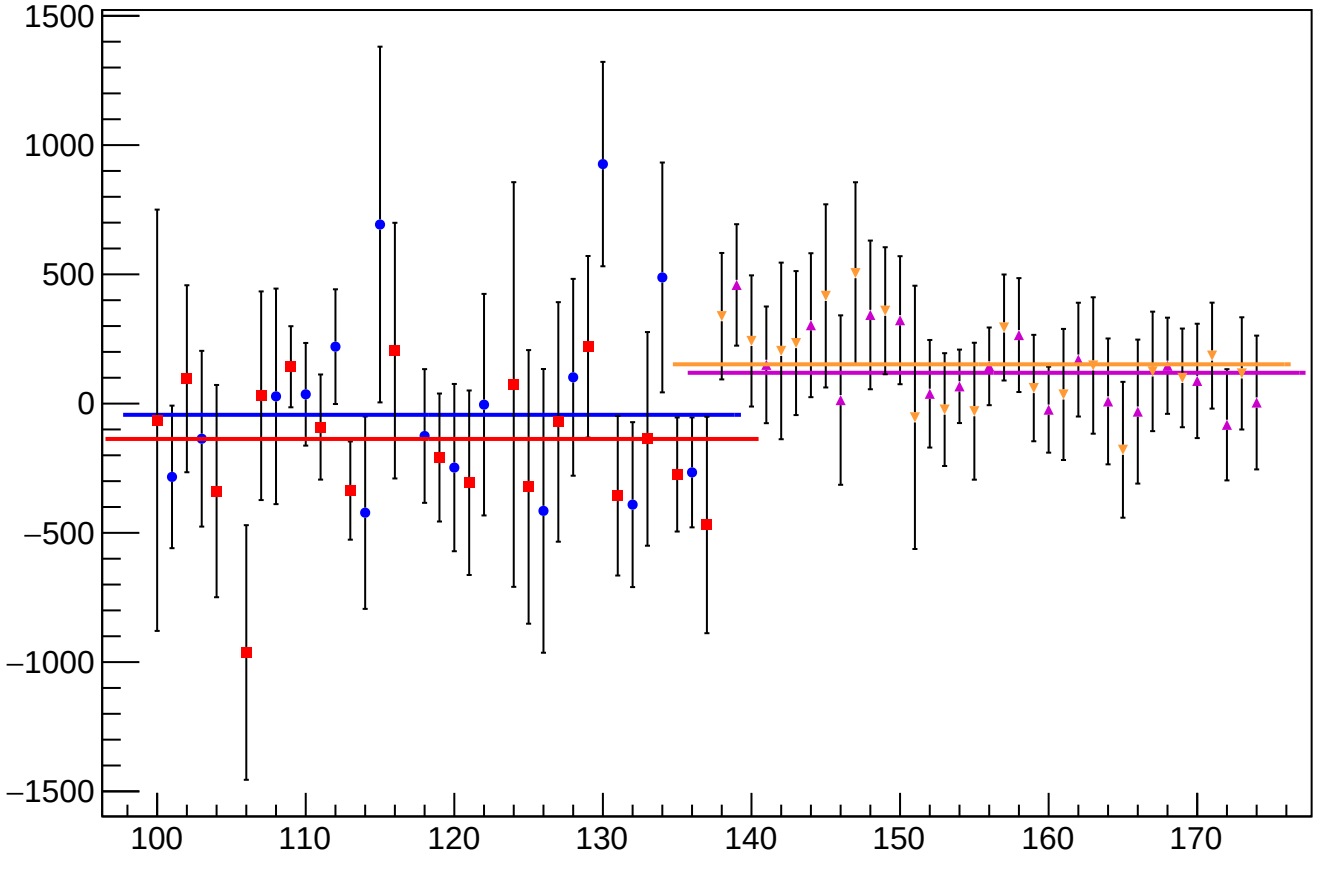
Right: 17.495+/-0.003 χ^2/NDF: 71463.1/34

In: 16.799+/-0.003 χ^2/NDF:135548.7/33

Out: 16.801+/-0.003 χ^2/NDF:135767.9/37

All: 16.800+/-0.002 χ^2/NDF: 271317.0/71

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: 152.006+/-56.940 χ^2/NDF:7.0/18

Right Out: -136.778+/-69.557 χ^2/NDF: 11.5/18

Left In: 119.170+/-50.107 χ^2/NDF:7.1/17

Left: 133.500+/-37.616 χ^2/NDF: 14.3/36

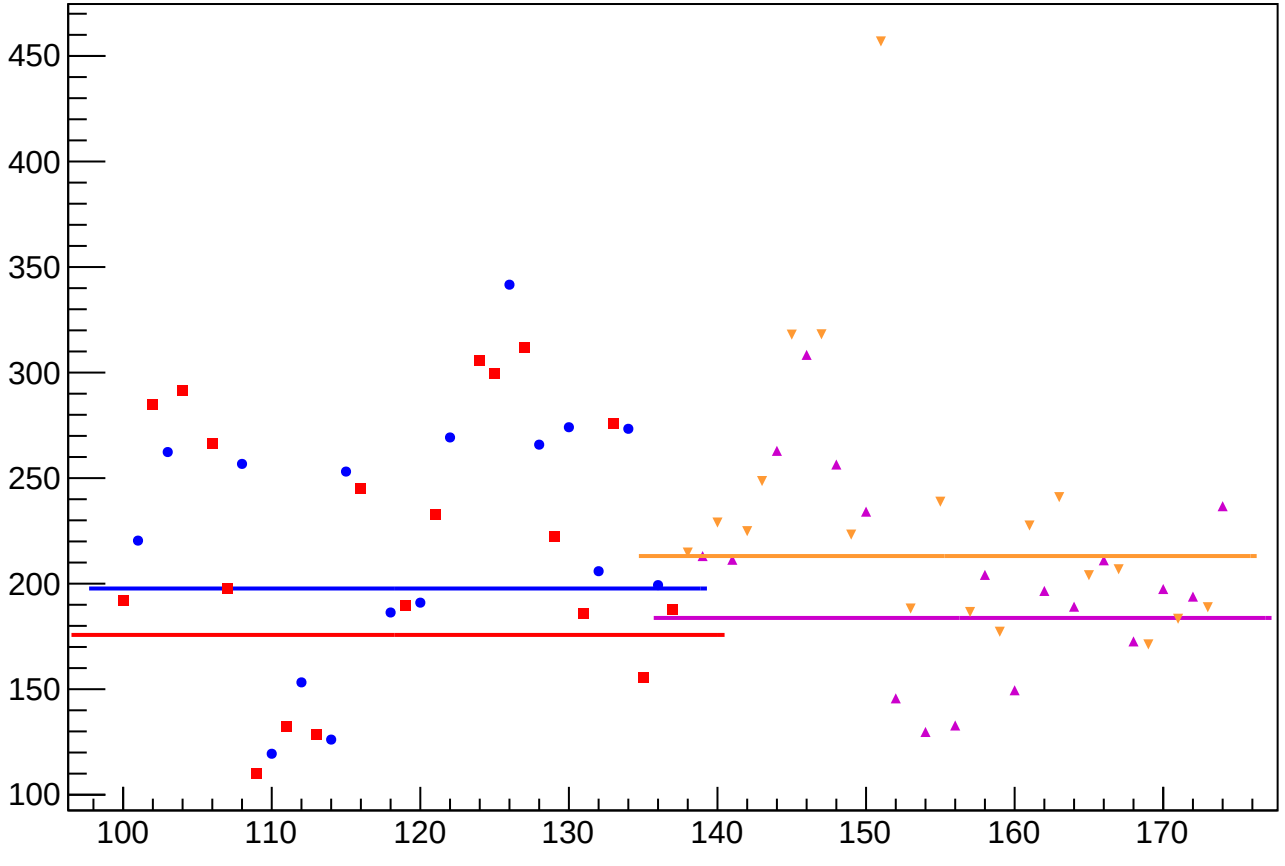
Right: -95.161+/-51.790 χ^2/NDF: 27.8/34

In: 71.324+/-42.092 χ^2/NDF:25.6/33

Out: 36.132+/-44.060 χ^2/NDF:28.8/37

All: 54.532+/-30.435 χ^2/NDF: 54.8/71

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 213.083+/-0.040 χ^2/NDF:1193368.6/18

Right Out: 175.716+/-0.049 χ^2/NDF: 1590559.8/18

Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

Left: 196.557+/-0.027 χ^2/NDF: 3032403.6/36

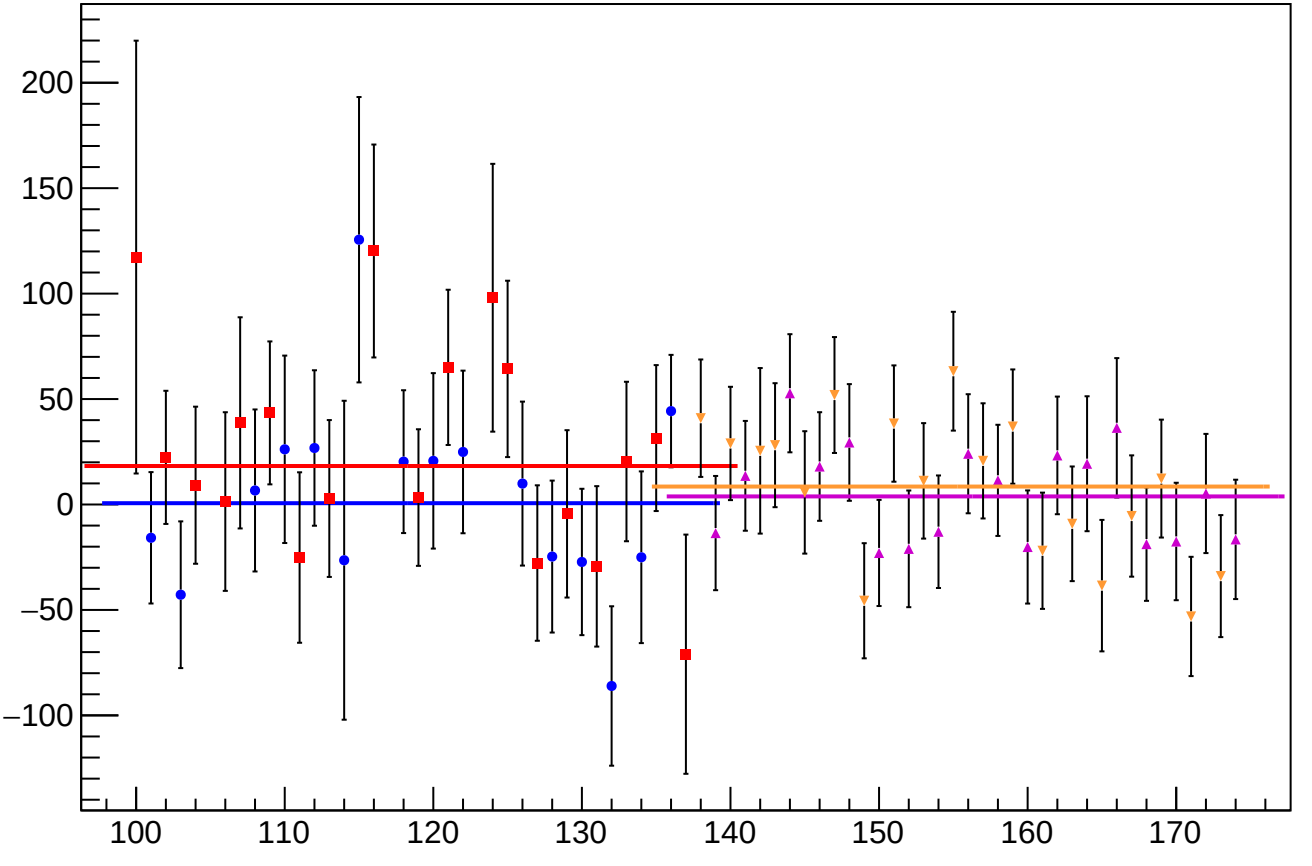
Right: 185.515+/-0.037 χ^2/NDF: 2679972.8/34

In: 187.865+/-0.030 χ^2/NDF:2586047.3/33

Out: 198.089+/-0.031 χ^2/NDF:3129530.0/37

All: 192.744+/-0.022 χ^2/NDF: 5771886.8/71

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: 8.507+/-6.512 χ^2/NDF:26.3/18

Right Out: 18.248+/-9.208 χ^2/NDF: 18.0/18

Left In: 3.831+/-6.502 χ^2/NDF:12.0/17

Left: 6.166+/-4.601 χ^2/NDF: 38.6/36

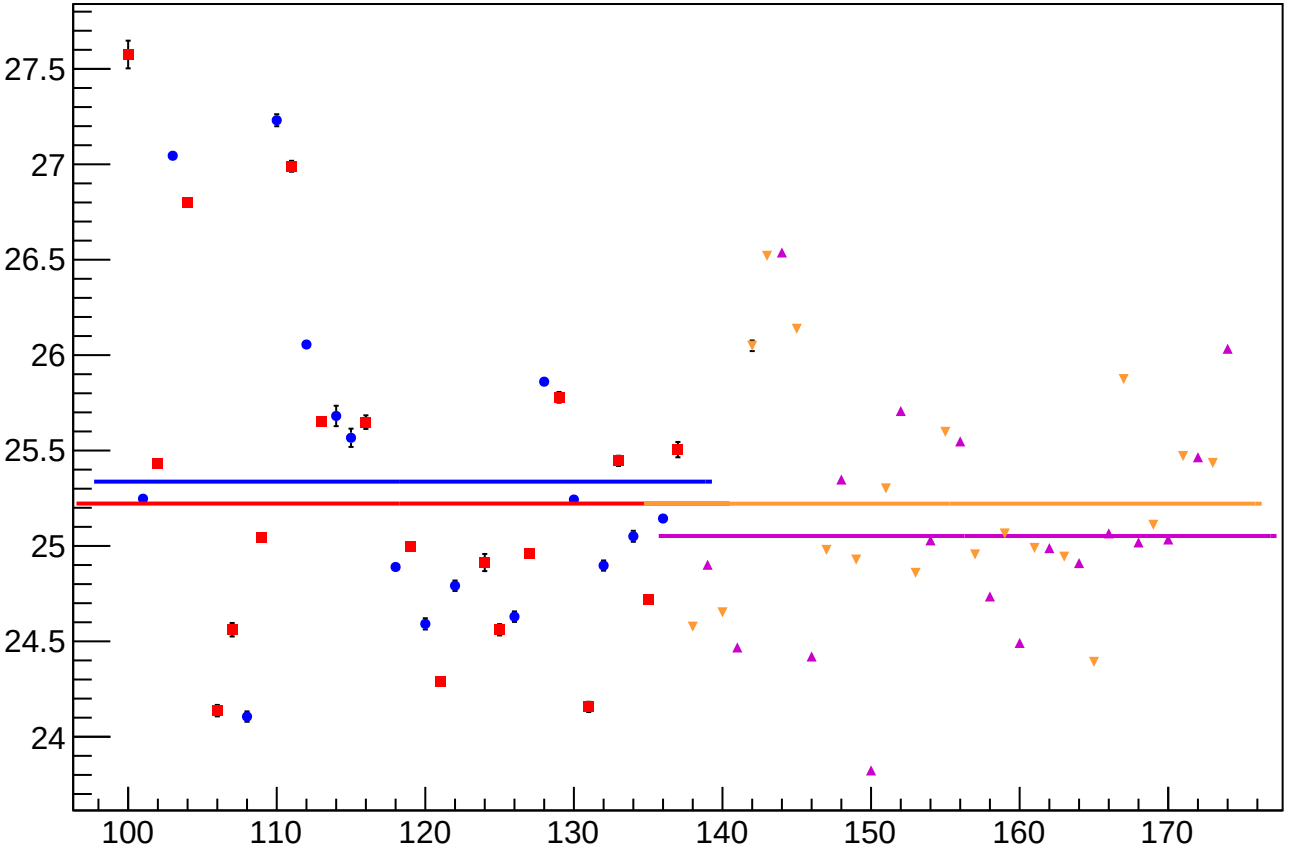
Right: 9.635+/-6.585 χ^2/NDF: 36.5/34

In: 2.795+/-5.352 χ^2/NDF:28.8/33

Out: 11.755+/-5.317 χ^2/NDF:45.1/37

All: 7.304+/-3.772 χ^2/NDF: 75.3/71

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: 25.221+/-0.005 χ^2/NDF:13216.4/18

Right Out: 25.222+/-0.007 χ^2/NDF: 15224.4/18

Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

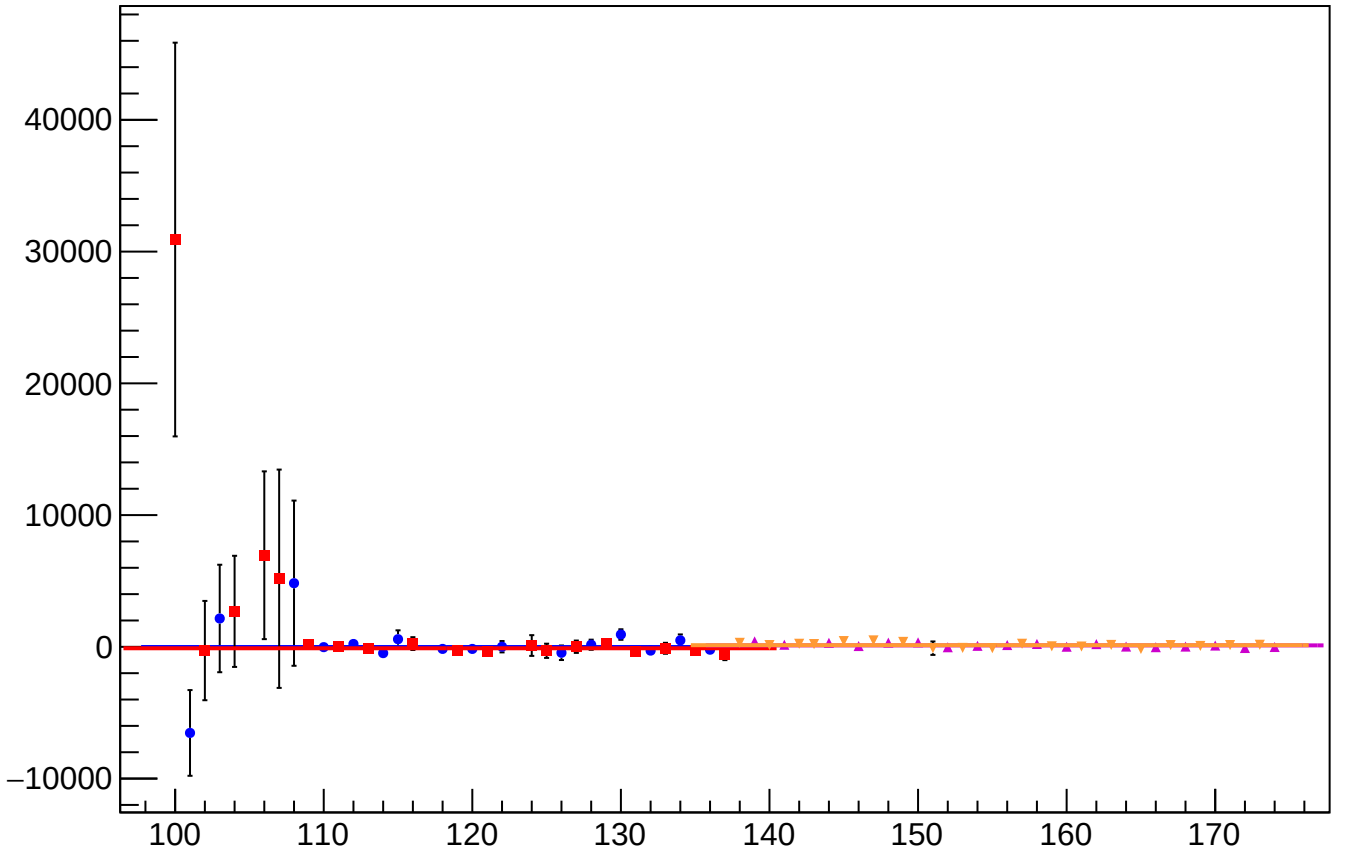
Left: 25.137+/-0.003 χ^2/NDF: 32576.4/36

Right: 25.278+/-0.005 χ^2/NDF: 29691.5/34

In: 25.144+/-0.004 χ^2/NDF:34236.4/33

Out: 25.222+/-0.004 χ^2/NDF:28440.8/37

All: 25.183+/-0.003 χ^2/NDF: 62889.3/71



Right In: -15.450+/-84.701 χ^2/NDF: 18.3/15

Left Out: 125.340+/-57.514 χ^2/NDF:7.1/18

Right Out: -108.825+/-78.099 χ^2/NDF: 14.0/18

Left In: 110.754+/-50.785 χ^2/NDF:6.5/17

Left: 117.144+/-38.068 χ^2/NDF: 13.7/36

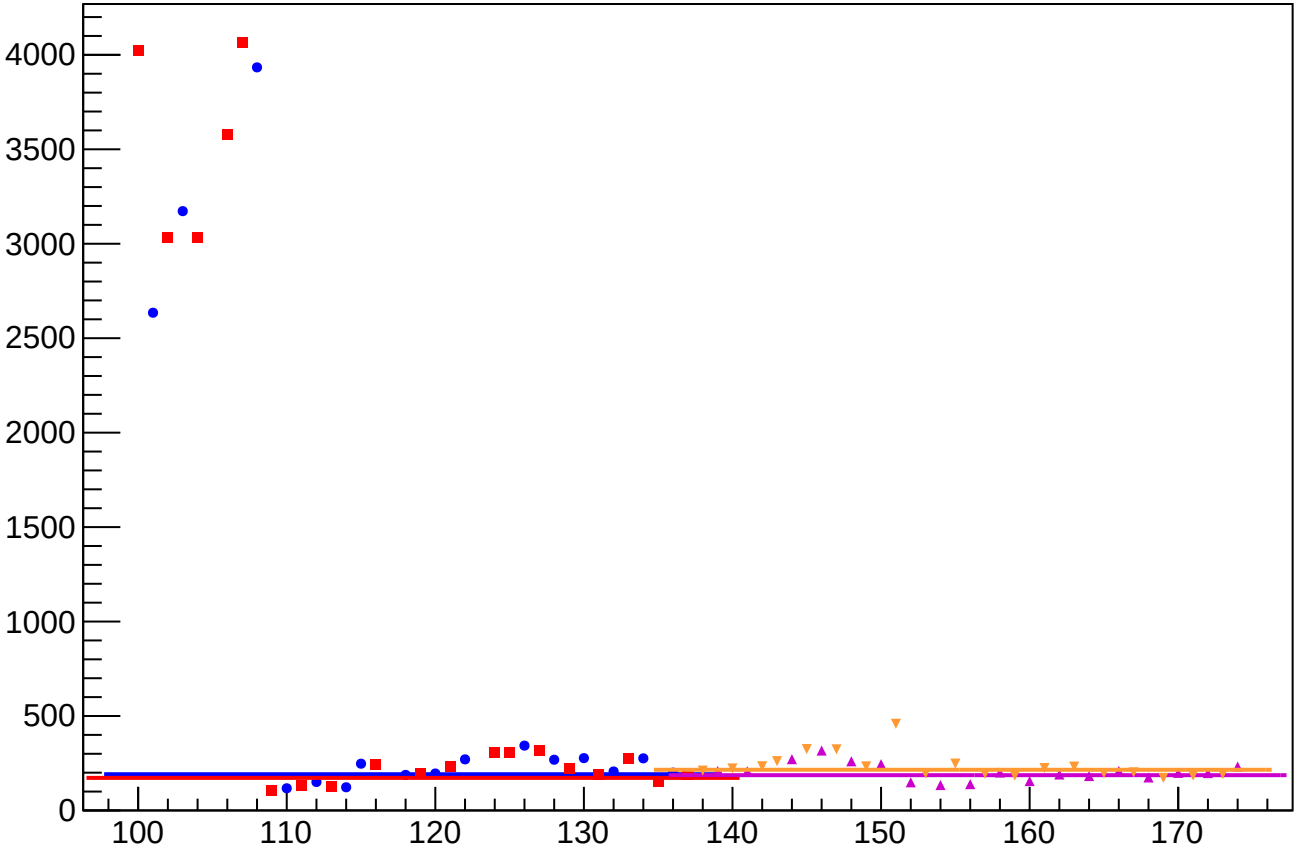
Right: -65.918+/-57.416 χ^2/NDF: 33.0/34

In: 77.381+/-43.556 χ^2/NDF:26.5/33

Out: 43.001+/-46.311 χ^2/NDF:27.0/37

All: 61.244+/-31.728 χ^2/NDF: 53.8/71

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.736+/-0.060 χ^2/NDF: 3821804.2/15

Left Out: 215.356+/-0.041 χ^2/NDF:1186506.8/18

Right Out: 172.462+/-0.055 χ^2/NDF: 4303129.4/18

Left In: 186.770+/-0.036 χ^2/NDF:1405351.4/17

Left: 199.293+/-0.027 χ^2/NDF: 2869481.8/36

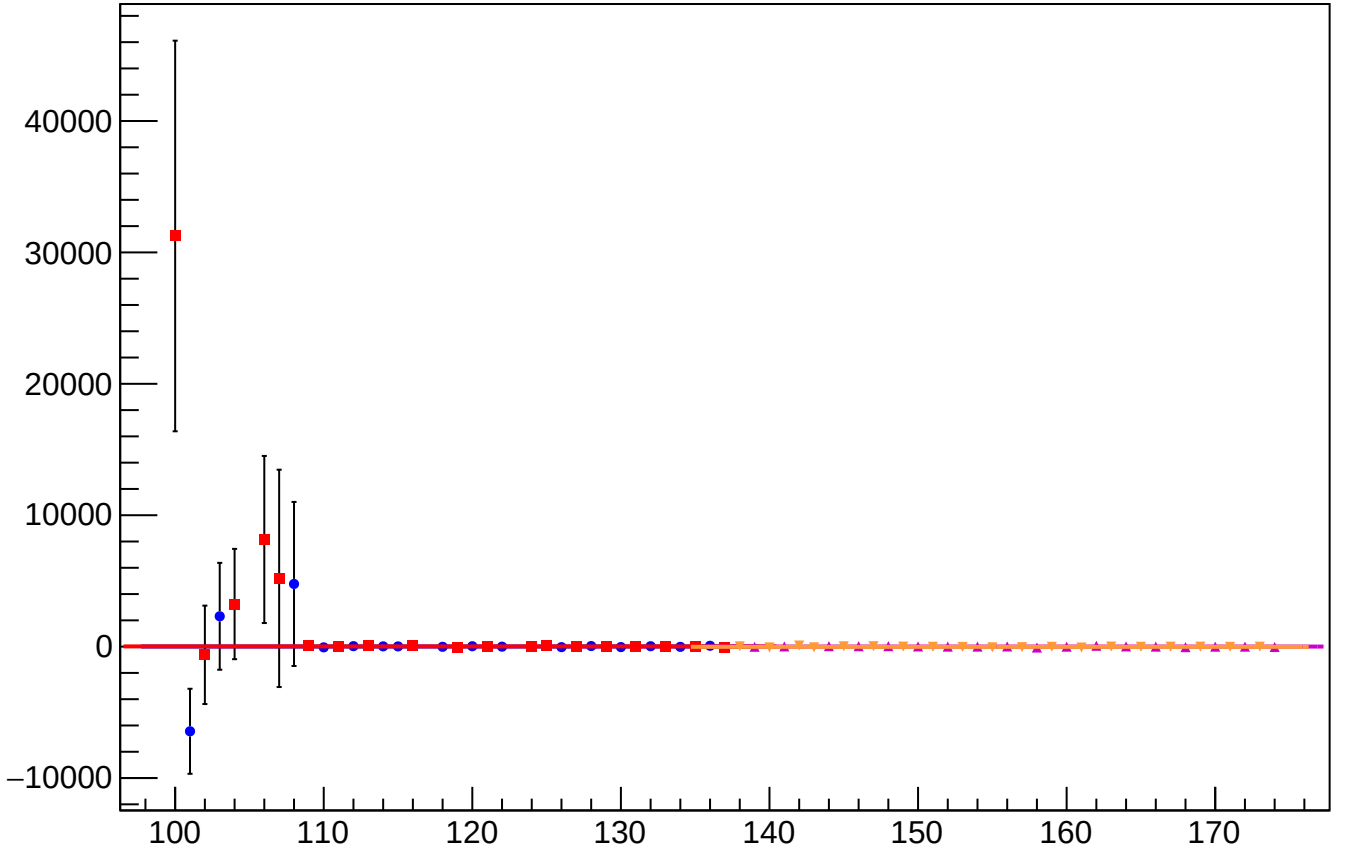
Right: 181.319+/-0.041 χ^2/NDF: 8180903.6/34

In: 188.083+/-0.031 χ^2/NDF:5232212.5/33

Out: 200.273+/-0.033 χ^2/NDF:5880795.9/37

All: 193.805+/-0.022 χ^2/NDF: 11186543.7/71

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 9.576+/-11.685 χ^2/NDF: 16.0/15

Left Out: -13.886+/-7.433 χ^2/NDF:17.9/18

Right Out: 18.105+/-11.805 χ^2/NDF: 24.8/18

Left In: 5.073+/-7.447 χ^2/NDF:17.6/17

Left: -4.425+/-5.261 χ^2/NDF: 38.7/36

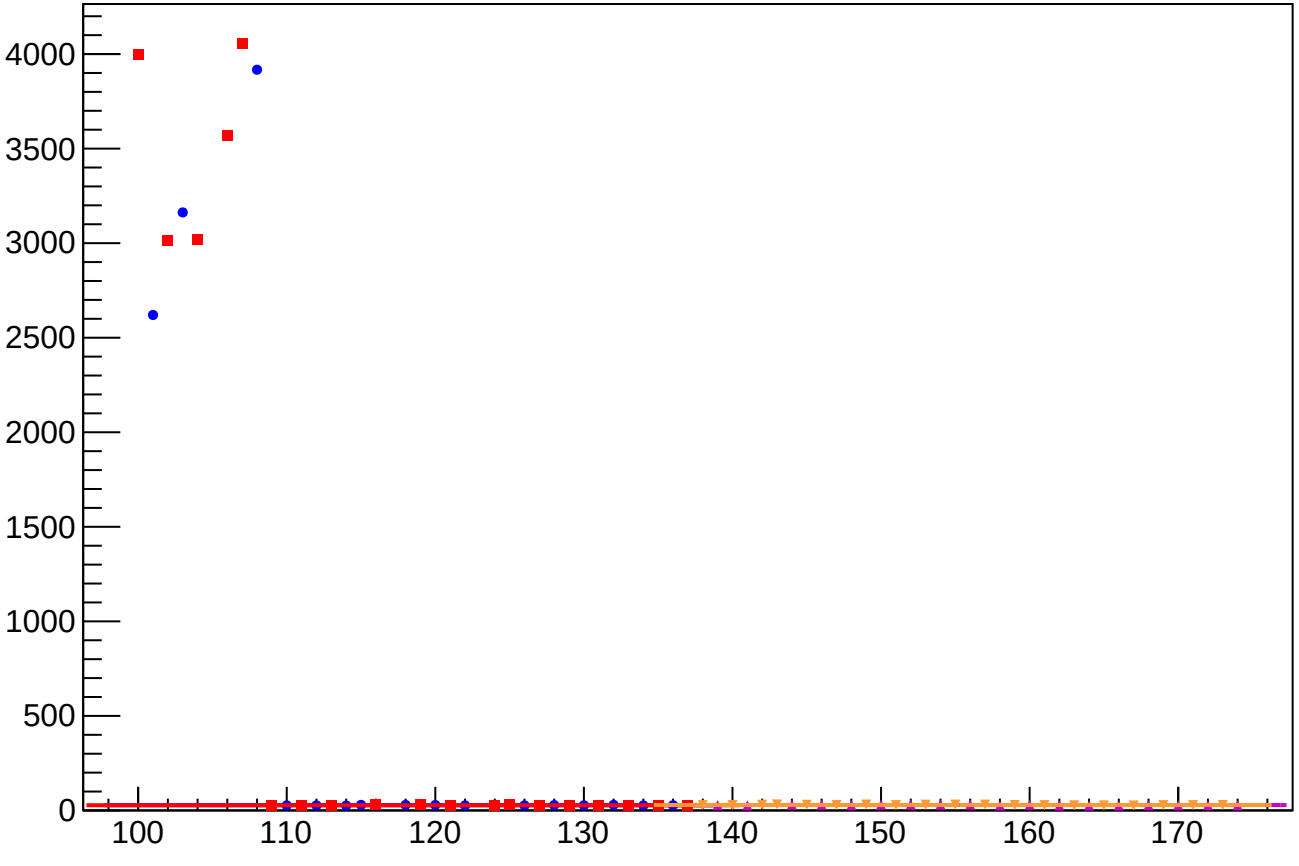
Right: 13.797+/-8.305 χ^2/NDF: 41.0/34

In: 6.373+/-6.280 χ^2/NDF:33.7/33

Out: -4.805+/-6.290 χ^2/NDF:47.9/37

All: 0.793+/-4.444 χ^2/NDF: 83.2/71

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.642+/-0.008 χ^2/NDF: 3265498.5/15

Left Out: 28.724+/-0.005 χ^2/NDF:82344.1/18

Right Out: 27.535+/-0.008 χ^2/NDF: 3555229.4/18

Left In: 28.618+/-0.005 χ^2/NDF:114125.1/17

Left: 28.672+/-0.004 χ^2/NDF: 196672.4/36

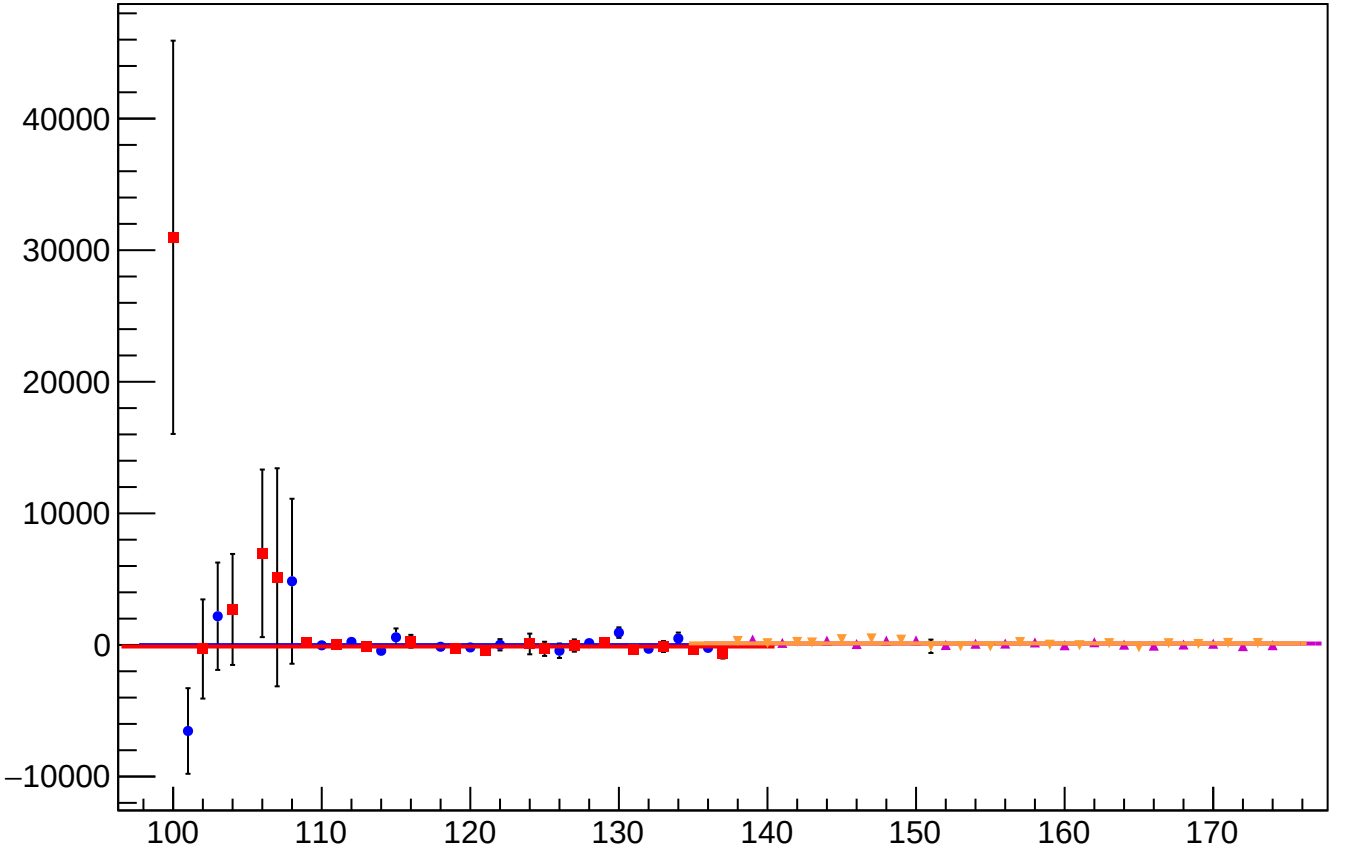
Right: 27.589+/-0.006 χ^2/NDF: 6820810.9/34

In: 28.336+/-0.004 χ^2/NDF:3389562.3/33

Out: 28.387+/-0.004 χ^2/NDF:3652122.6/37

All: 28.361+/-0.003 χ^2/NDF: 7041749.2/71

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 119.841+/-57.394 χ^2/NDF:7.9/18

Right Out: -118.063+/-77.862 χ^2/NDF: 14.4/18

Left In: 107.924+/-50.689 χ^2/NDF:6.7/17

Left: 113.146+/-37.993 χ^2/NDF: 14.7/36

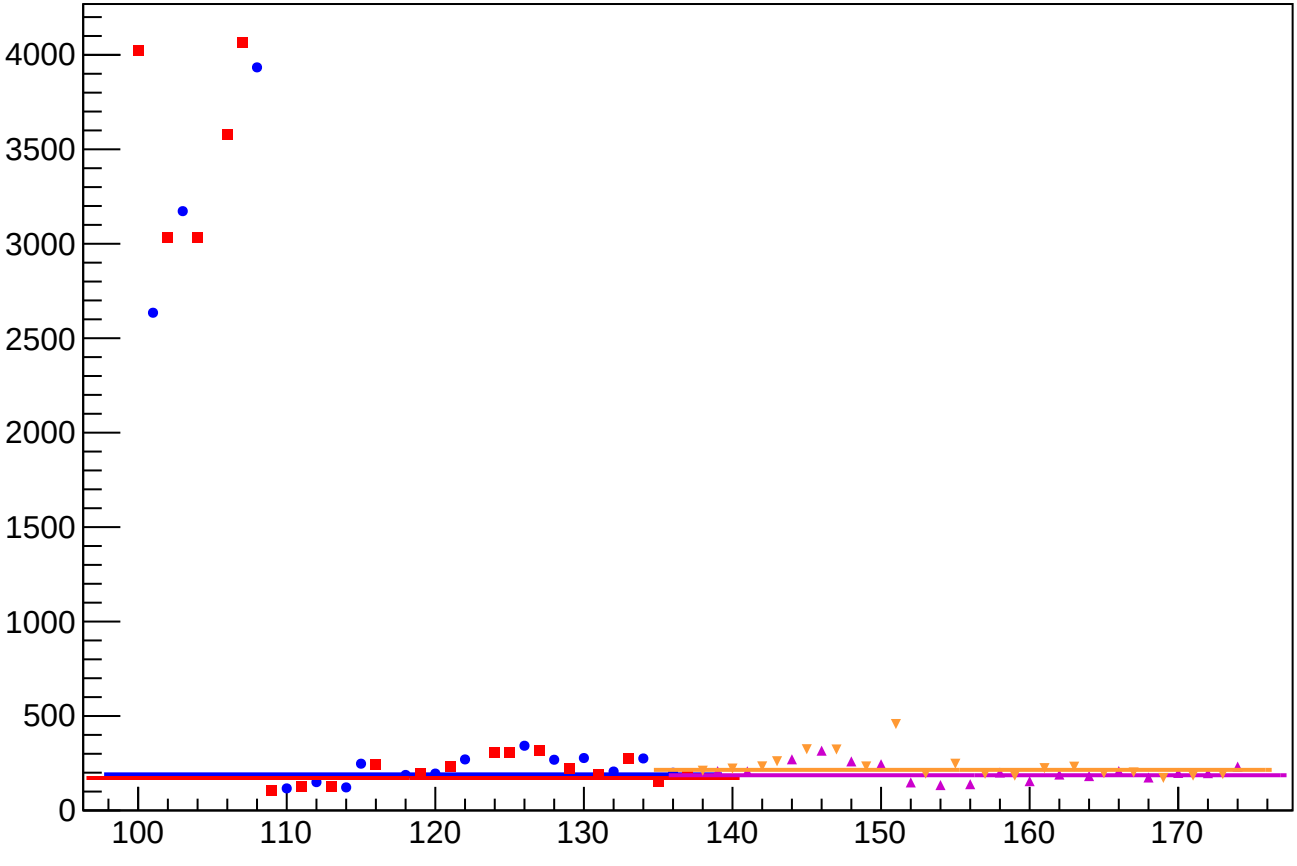
Right: -69.865+/-57.246 χ^2/NDF: 33.6/34

In: 75.856+/-43.462 χ^2/NDF:26.6/33

Out: 36.085+/-46.199 χ^2/NDF:28.4/37

All: 57.184+/-31.656 χ^2/NDF: 55.4/71

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 214.910+/-0.041 χ^2/NDF:1185992.9/18

Right Out: 171.835+/-0.055 χ^2/NDF: 4314721.8/18

Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

Left: 198.906+/-0.027 χ^2/NDF: 2867597.8/36

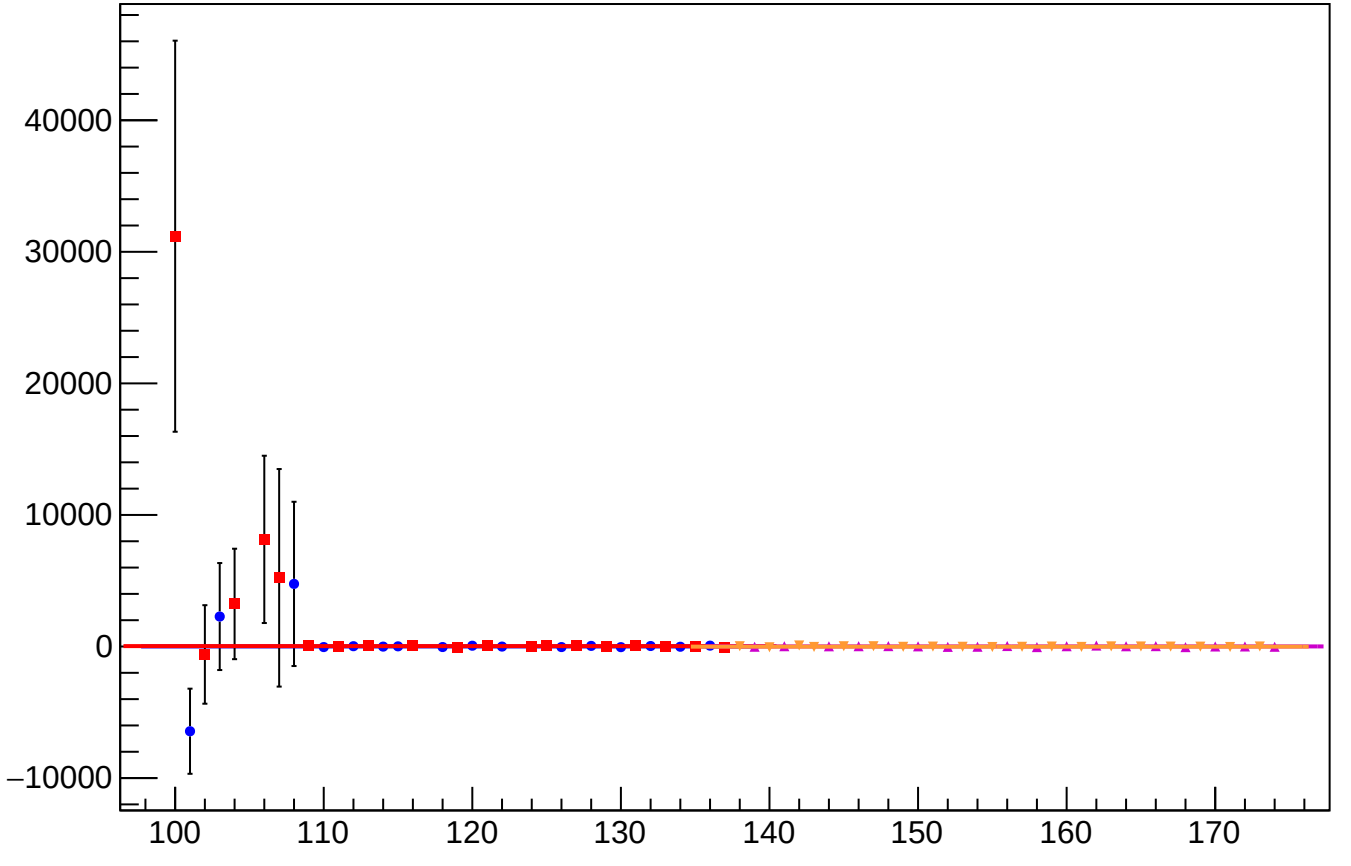
Right: 180.673+/-0.040 χ^2/NDF: 8204752.1/34

In: 187.654+/-0.031 χ^2/NDF:5243220.7/33

Out: 199.745+/-0.033 χ^2/NDF:5897315.7/37

All: 193.331+/-0.022 χ^2/NDF: 11213209.7/71

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -9.733+/-7.483 χ^2/NDF:12.1/18

Right Out: 30.962+/-11.902 χ^2/NDF: 19.9/18

Left In: 6.679+/-7.487 χ^2/NDF:16.7/17

Left: -1.532+/-5.293 χ^2/NDF: 31.2/36

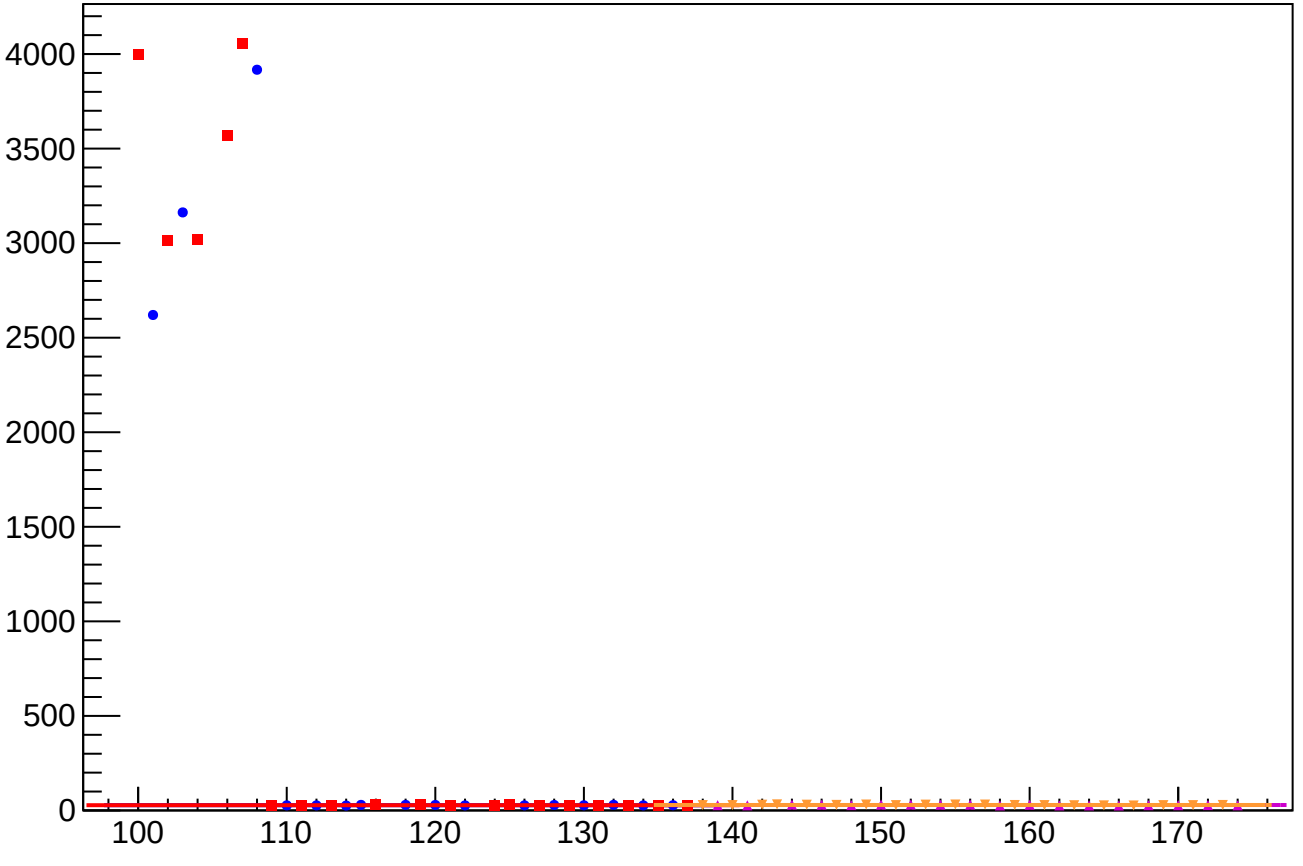
Right: 18.584+/-8.367 χ^2/NDF: 40.3/34

In: 6.625+/-6.316 χ^2/NDF:35.0/33

Out: 1.796+/-6.335 χ^2/NDF:40.4/37

All: 4.217+/-4.473 χ^2/NDF: 75.7/71

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.914+/-0.005 χ^2/NDF:88561.4/18

Right Out: 27.754+/-0.008 χ^2/NDF: 3558676.9/18

Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

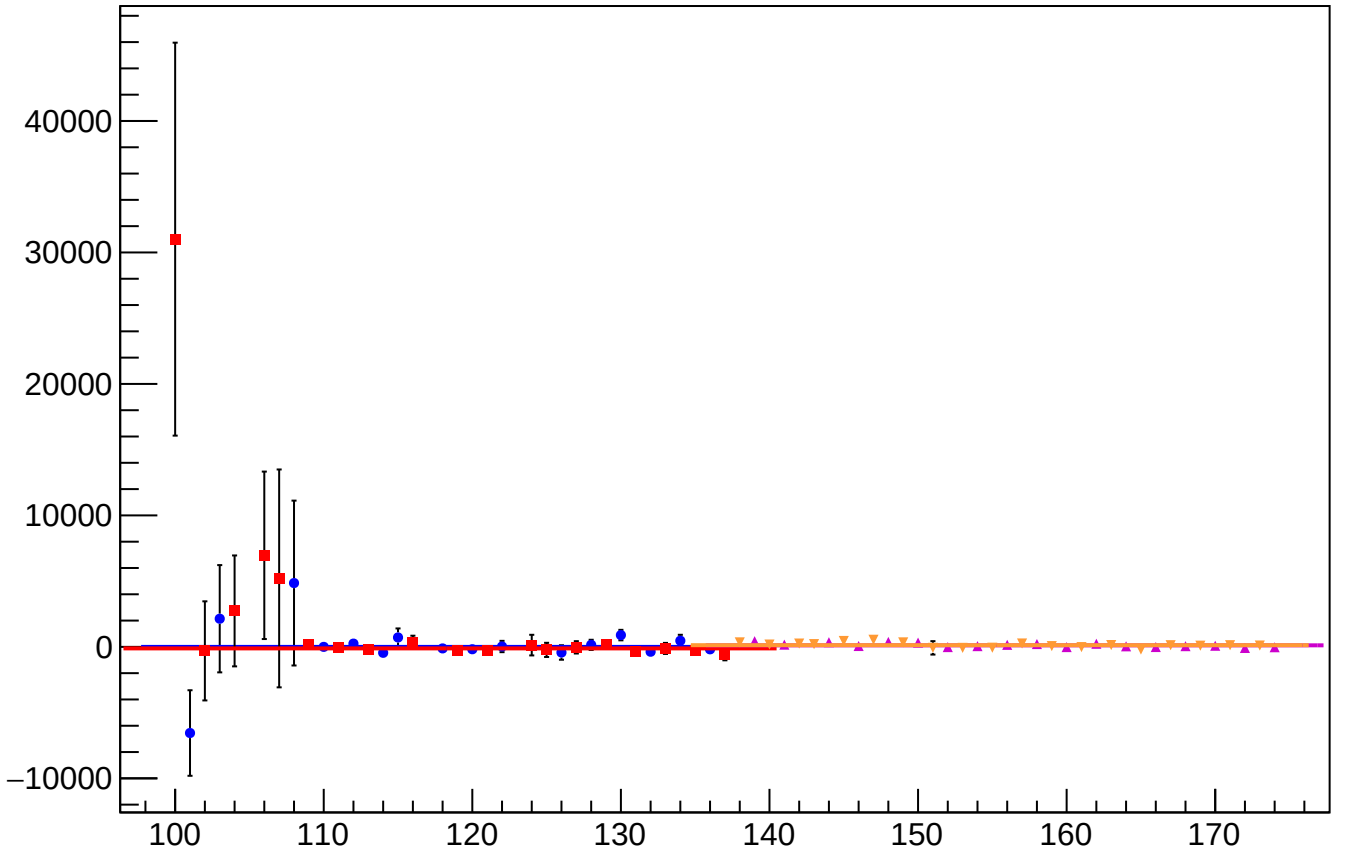
Left: 28.844+/-0.004 χ^2/NDF: 205922.0/36

Right: 27.790+/-0.006 χ^2/NDF: 6824608.5/34

In: 28.500+/-0.004 χ^2/NDF:3392170.7/33

Out: 28.585+/-0.004 χ^2/NDF:3660864.4/37

All: 28.543+/-0.003 χ^2/NDF: 7053215.0/71



Right In: -2.795+/-85.508 χ^2/NDF: 18.2/15

Left Out: 128.175+/-57.978 χ^2/NDF:7.8/18

Right Out: -115.753+/-78.952 χ^2/NDF: 13.8/18

Left In: 117.344+/-51.293 χ^2/NDF:7.2/17

Left: 122.099+/-38.417 χ^2/NDF: 15.0/36

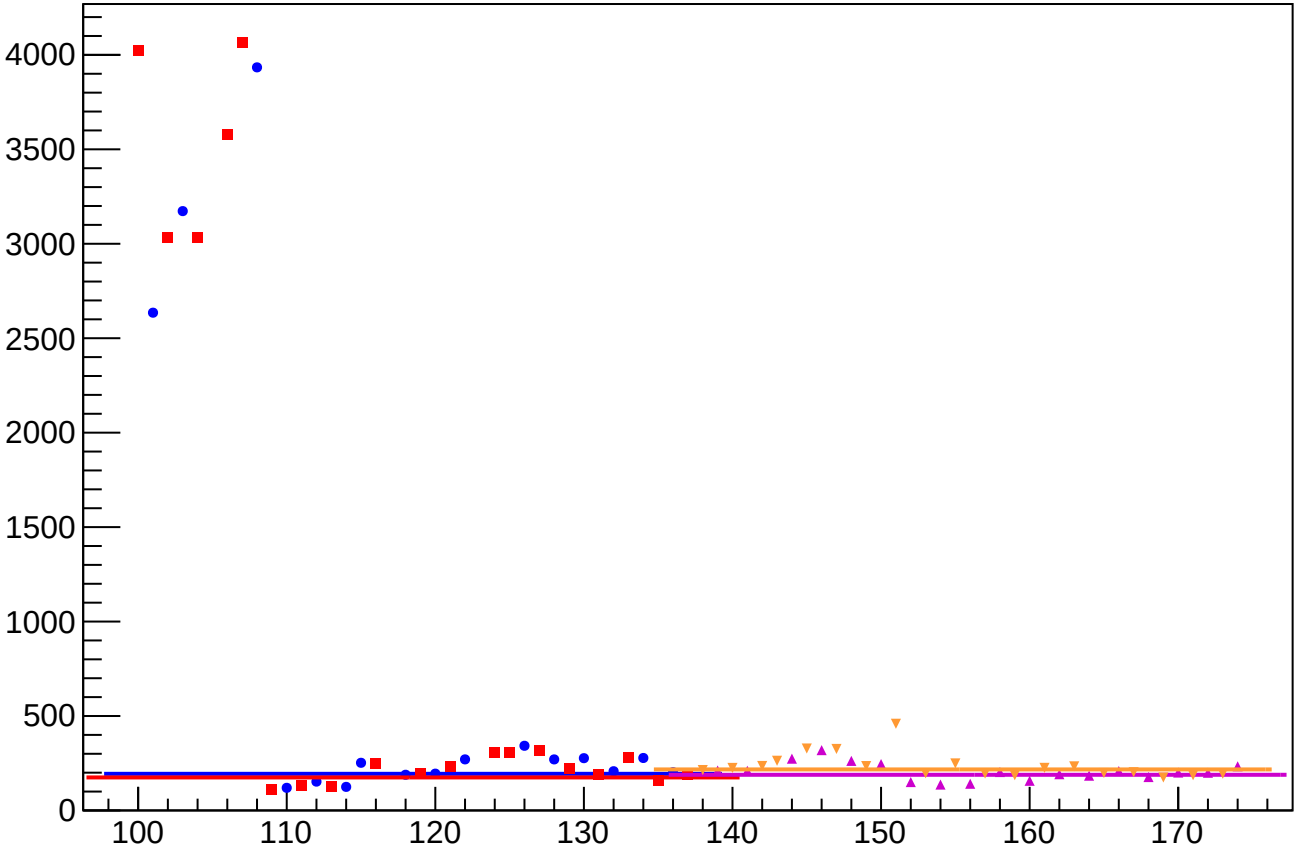
Right: -63.770+/-58.007 χ^2/NDF: 33.0/34

In: 85.553+/-43.986 χ^2/NDF:26.9/33

Out: 42.717+/-46.732 χ^2/NDF:27.8/37

All: 65.430+/-32.030 χ^2/NDF: 55.2/71

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.946+/-0.060 χ^2/NDF: 3784467.5/15

Left Out: 217.204+/-0.041 χ^2/NDF:1173181.3/18

Right Out: 174.779+/-0.056 χ^2/NDF: 4259323.6/18

Left In: 188.812+/-0.036 χ^2/NDF:1372950.2/17

Left: 201.277+/-0.027 χ^2/NDF: 2815182.7/36

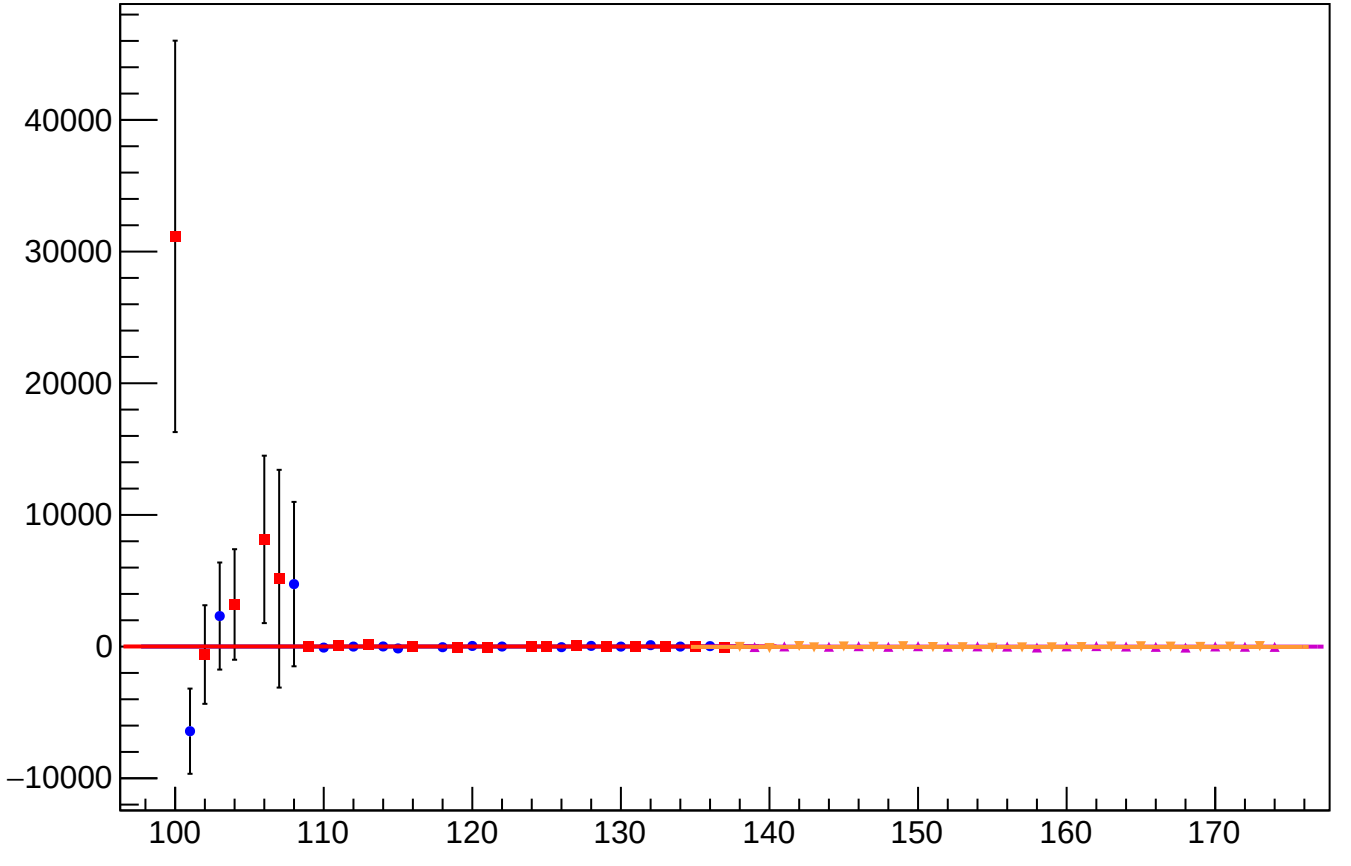
Right: 183.600+/-0.041 χ^2/NDF: 8098034.9/34

In: 190.170+/-0.031 χ^2/NDF:5162721.3/33

Out: 202.341+/-0.033 χ^2/NDF:5807671.9/37

All: 195.888+/-0.023 χ^2/NDF: 11042324.9/71

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.660+/-14.306 χ^2/NDF: 17.5/15

Left Out: -24.486+/-8.921 χ^2/NDF:19.9/18

Right Out: 10.003+/-14.433 χ^2/NDF: 23.4/18

Left In: -3.372+/-8.956 χ^2/NDF:12.1/17

Left: -13.971+/-6.320 χ^2/NDF: 34.7/36

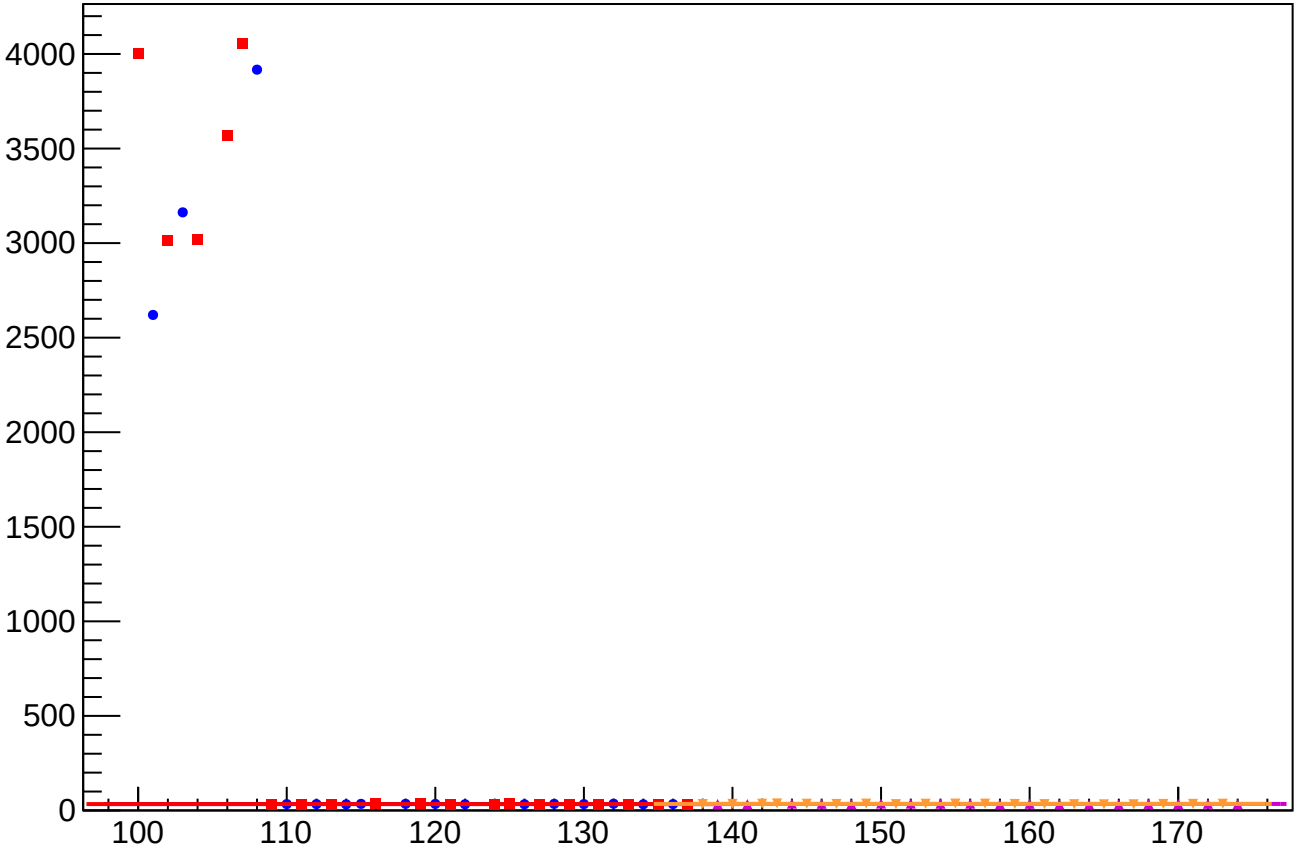
Right: 7.813+/-10.160 χ^2/NDF: 40.9/34

In: -0.829+/-7.591 χ^2/NDF:29.8/33

Out: -14.952+/-7.588 χ^2/NDF:47.4/37

All: -7.893+/-5.367 χ^2/NDF: 79.0/71

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.899+/-0.010 χ^2/NDF: 3244382.4/15

Left Out: 34.529+/-0.006 χ^2/NDF:37998.5/18

Right Out: 33.726+/-0.010 χ^2/NDF: 3526463.8/18

Left In: 34.485+/-0.006 χ^2/NDF:50688.0/17

Left: 34.507+/-0.004 χ^2/NDF: 88710.5/36

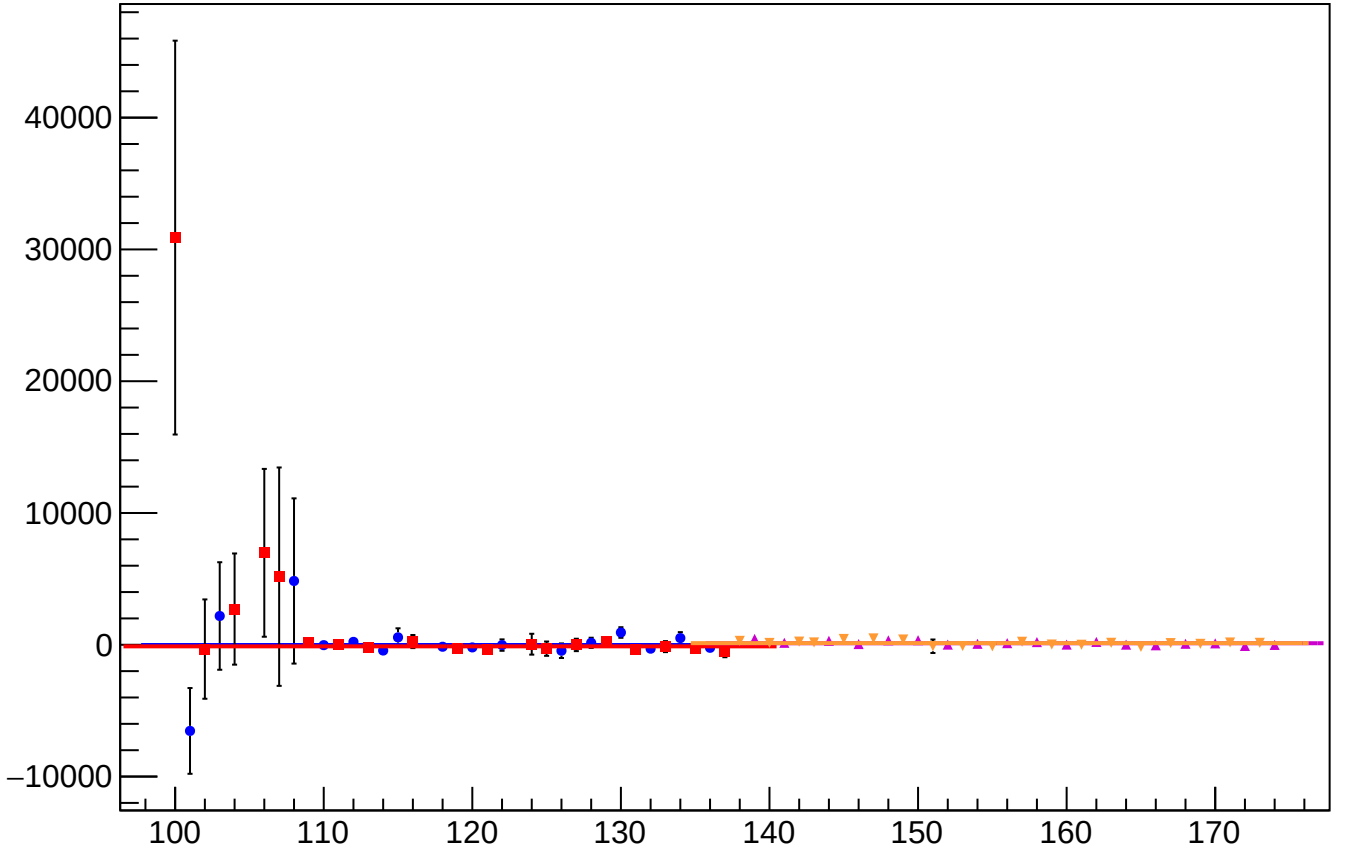
Right: 33.814+/-0.007 χ^2/NDF: 6770991.8/34

In: 34.320+/-0.005 χ^2/NDF:3297477.8/33

Out: 34.307+/-0.005 χ^2/NDF:3568939.0/37

All: 34.314+/-0.004 χ^2/NDF: 6866419.8/71

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 124.101+/-57.861 χ^2/NDF:7.6/18

Right Out: -119.922+/-78.455 χ^2/NDF: 13.3/18

Left In: 116.861+/-51.171 χ^2/NDF:6.6/17

Left: 120.038+/-38.331 χ^2/NDF: 14.2/36

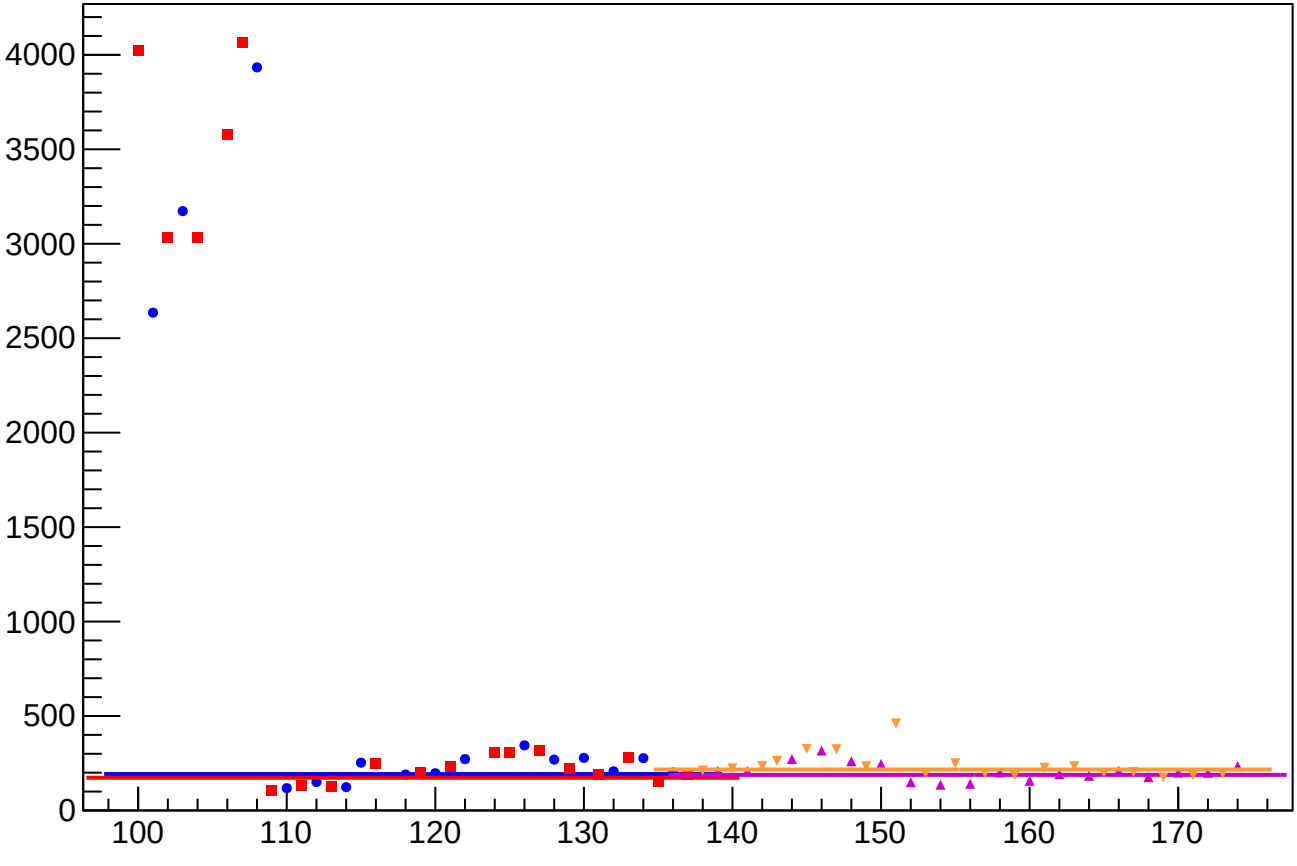
Right: -73.773+/-57.671 χ^2/NDF: 32.2/34

In: 80.621+/-43.848 χ^2/NDF:26.6/33

Out: 38.133+/-46.566 χ^2/NDF:27.2/37

All: 60.653+/-31.923 χ^2/NDF: 54.2/71

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 216.762+/-0.041 χ^2/NDF:1166751.5/18

Right Out: 173.249+/-0.055 χ^2/NDF: 4307420.2/18

Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

Left: 200.820+/-0.027 χ^2/NDF: 2801471.5/36

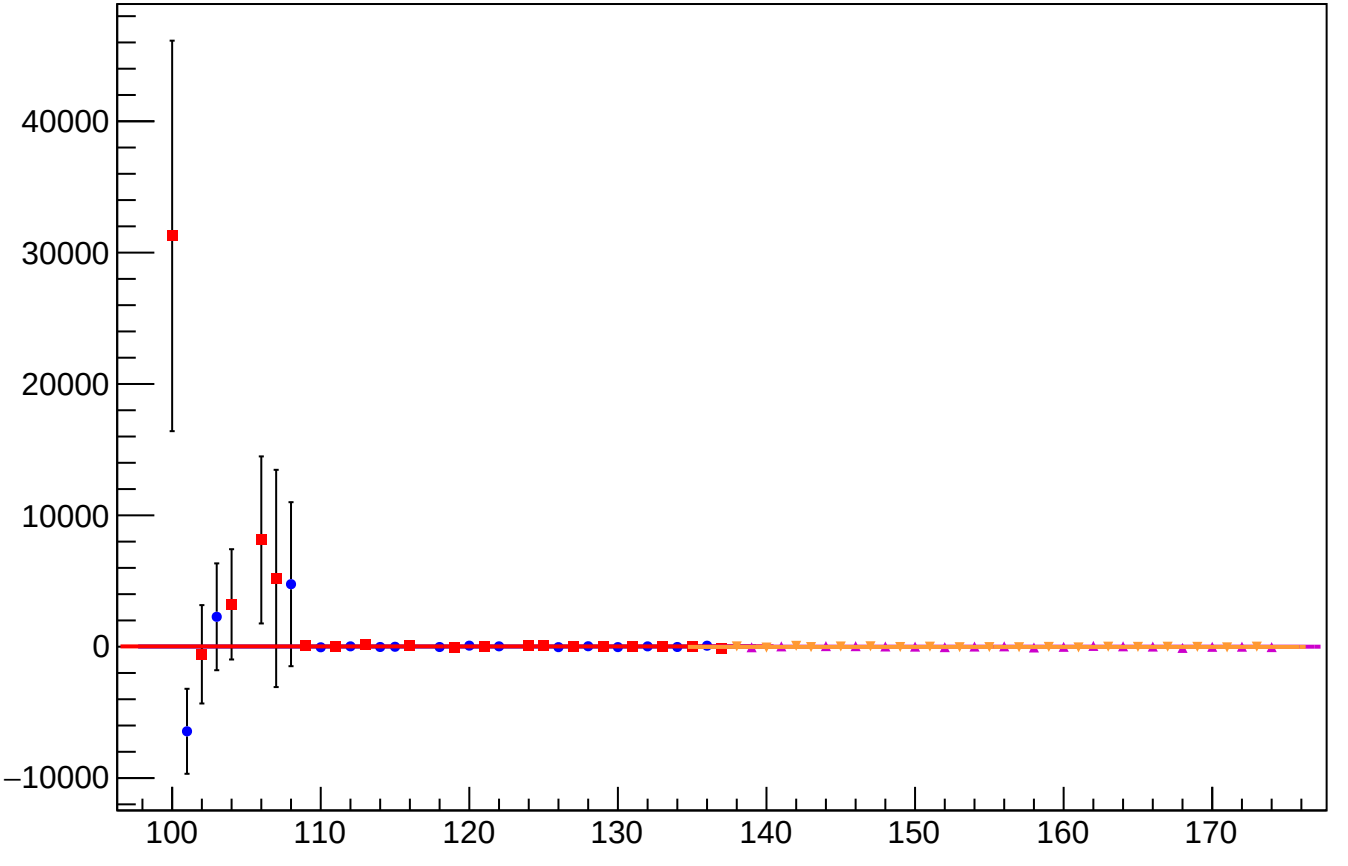
Right: 182.125+/-0.041 χ^2/NDF: 8185907.1/34

In: 189.470+/-0.031 χ^2/NDF:5190534.2/33

Out: 201.432+/-0.033 χ^2/NDF:5872646.7/37

All: 195.092+/-0.023 χ^2/NDF: 11133141.6/71

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -16.169+/-8.080 χ^2/NDF:13.1/18

Right Out: 23.230+/-13.181 χ^2/NDF: 28.7/18

Left In: 1.206+/-8.119 χ^2/NDF:23.3/17

Left: -7.523+/-5.727 χ^2/NDF: 38.6/36

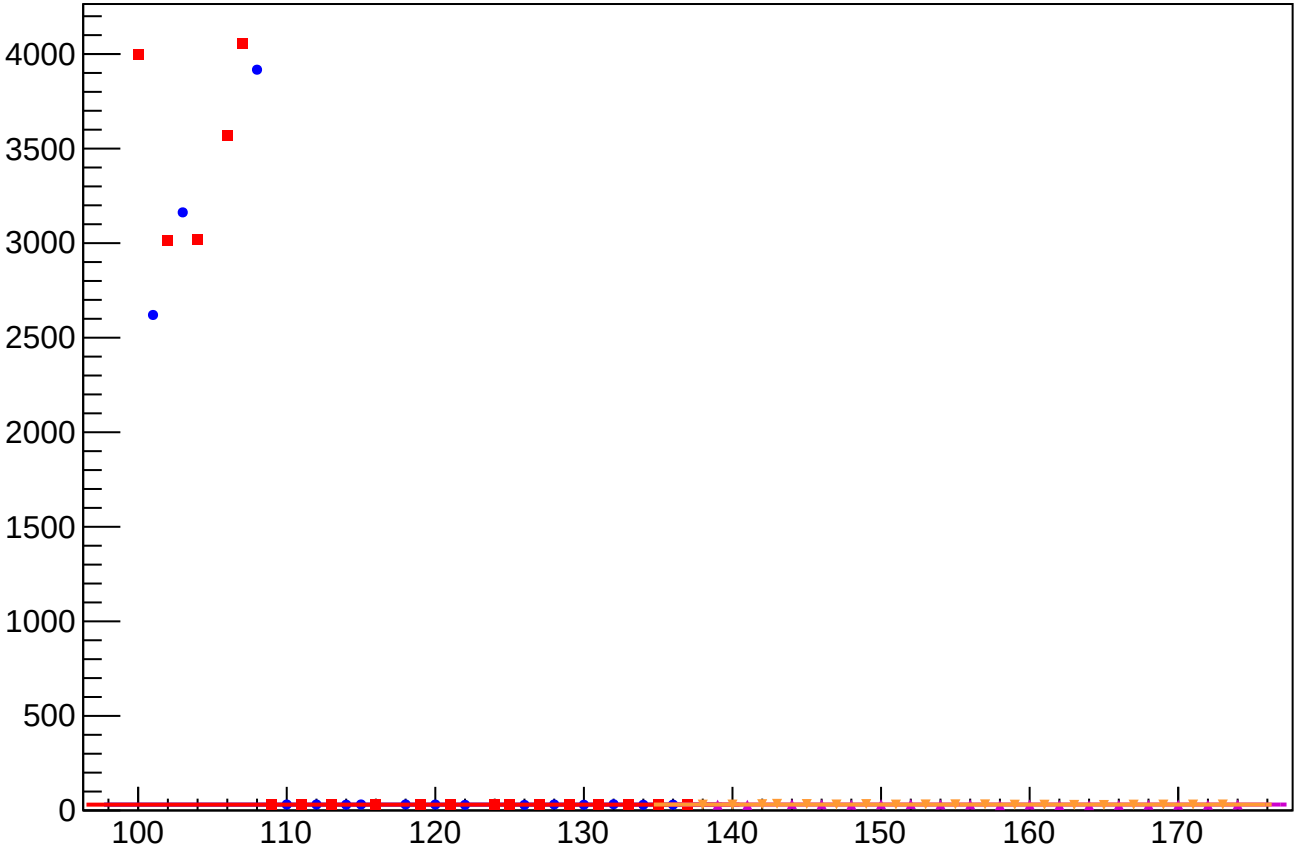
Right: 18.428+/-9.278 χ^2/NDF: 44.4/34

In: 4.692+/-6.895 χ^2/NDF:39.4/33

Out: -5.408+/-6.889 χ^2/NDF:48.3/37

All: -0.363+/-4.873 χ^2/NDF: 88.7/71

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.246+/-0.006 χ^2/NDF:58551.8/18

Right Out: 30.777+/-0.009 χ^2/NDF: 3536234.6/18

Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

Left: 31.235+/-0.004 χ^2/NDF: 136959.8/36

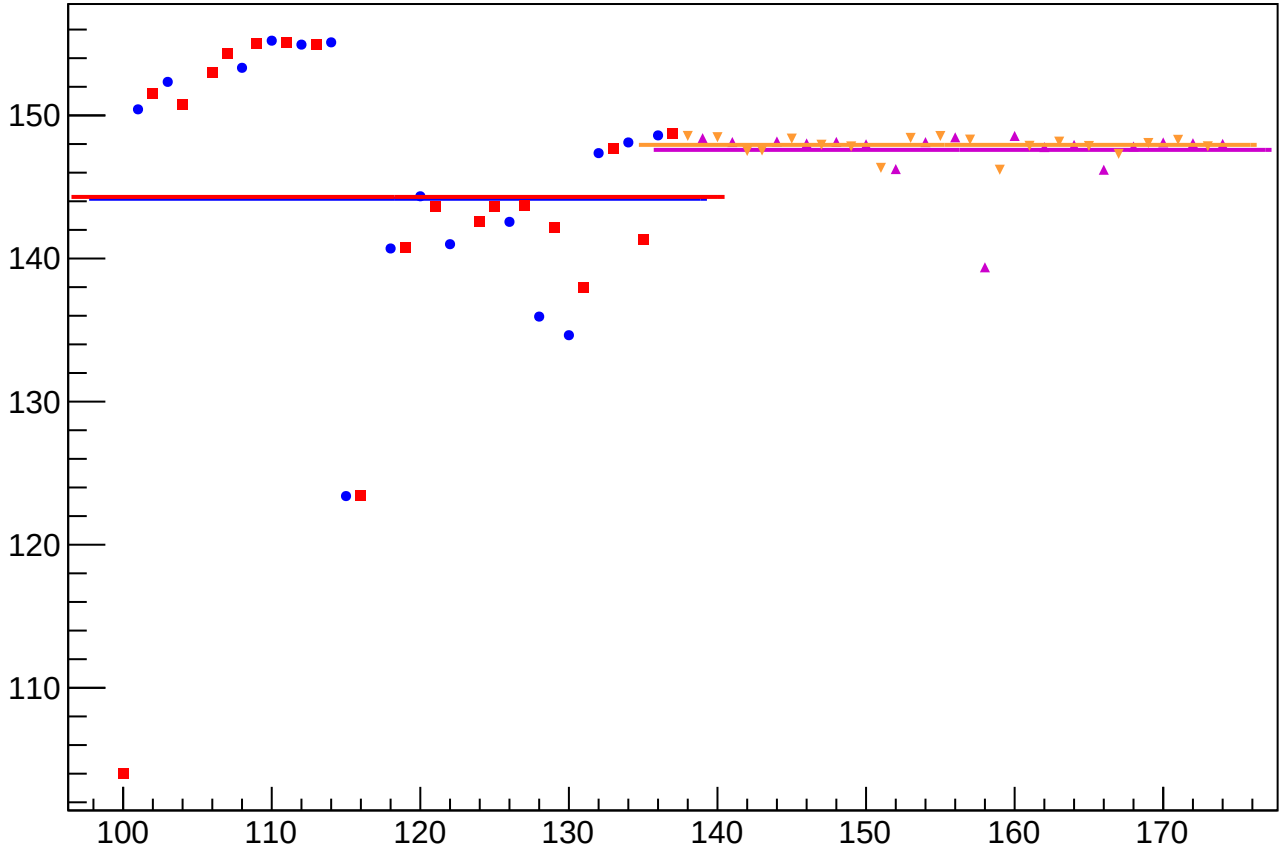
Right: 30.853+/-0.007 χ^2/NDF: 6788975.5/34

In: 31.142+/-0.005 χ^2/NDF:3331746.5/33

Out: 31.118+/-0.005 χ^2/NDF:3596630.2/37

All: 31.130+/-0.003 χ^2/NDF: 6928388.3/71

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.176+/-0.000 χ^2/NDF: 3724747268.7/15

Left Out: 147.942+/-0.000 χ^2/NDF:34253428.2/18

Right Out: 144.304+/-0.000 χ^2/NDF: 4264494940.7/18

Left In: 147.592+/-0.000 χ^2/NDF:290461427.2/17

Left: 147.773+/-0.000 χ^2/NDF: 329690290.1/36

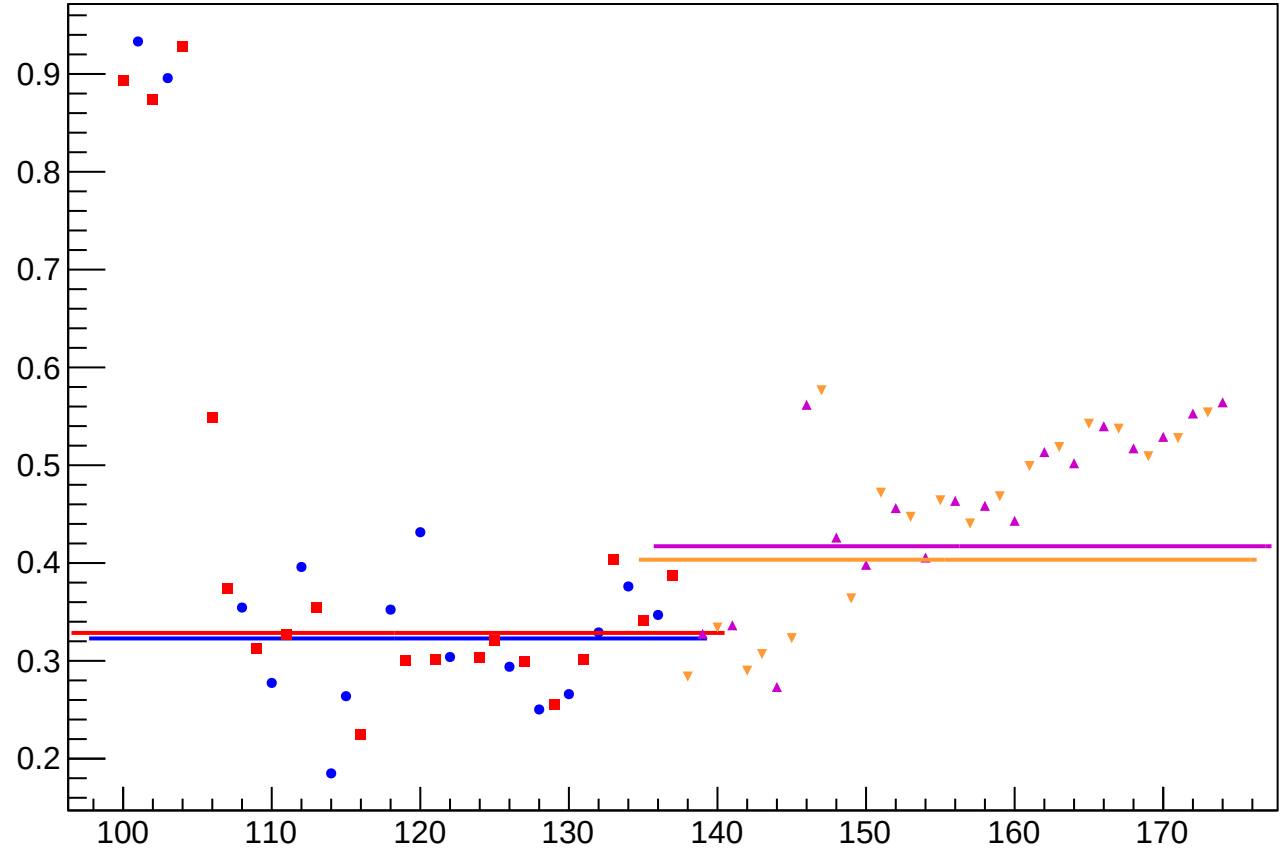
Right: 144.240+/-0.000 χ^2/NDF: 7989709366.0/34

In: 146.154+/-0.000 χ^2/NDF:4400765174.3/33

Out: 146.480+/-0.000 χ^2/NDF:4745739196.5/37

All: 146.320+/-0.000 χ^2/NDF: 9153867248.0

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.403+/-0.000 χ^2/NDF:1576033.4/18

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1357497.2/17

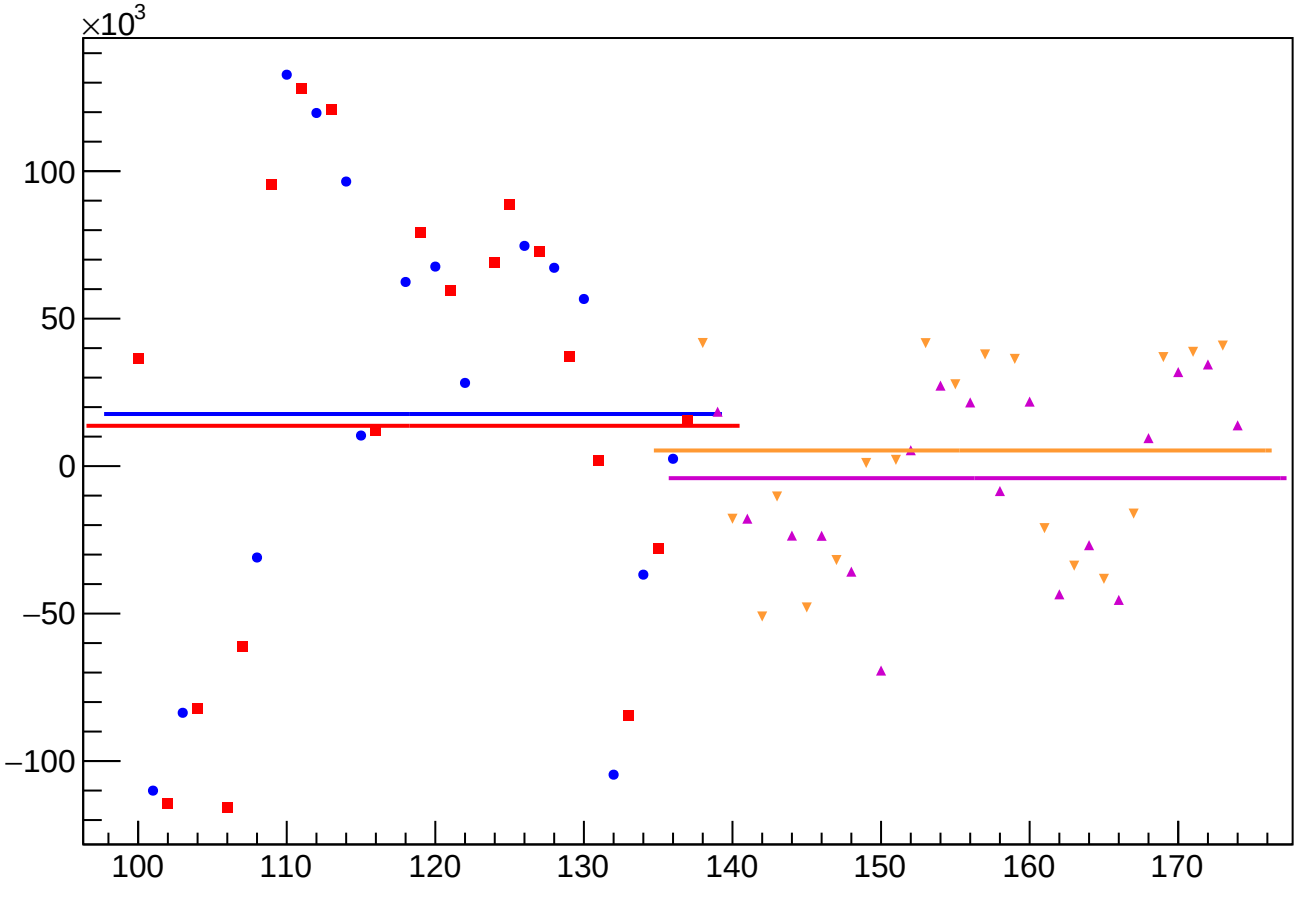
Left: 0.410+/-0.000 χ^2/NDF: 2948898.4/36

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

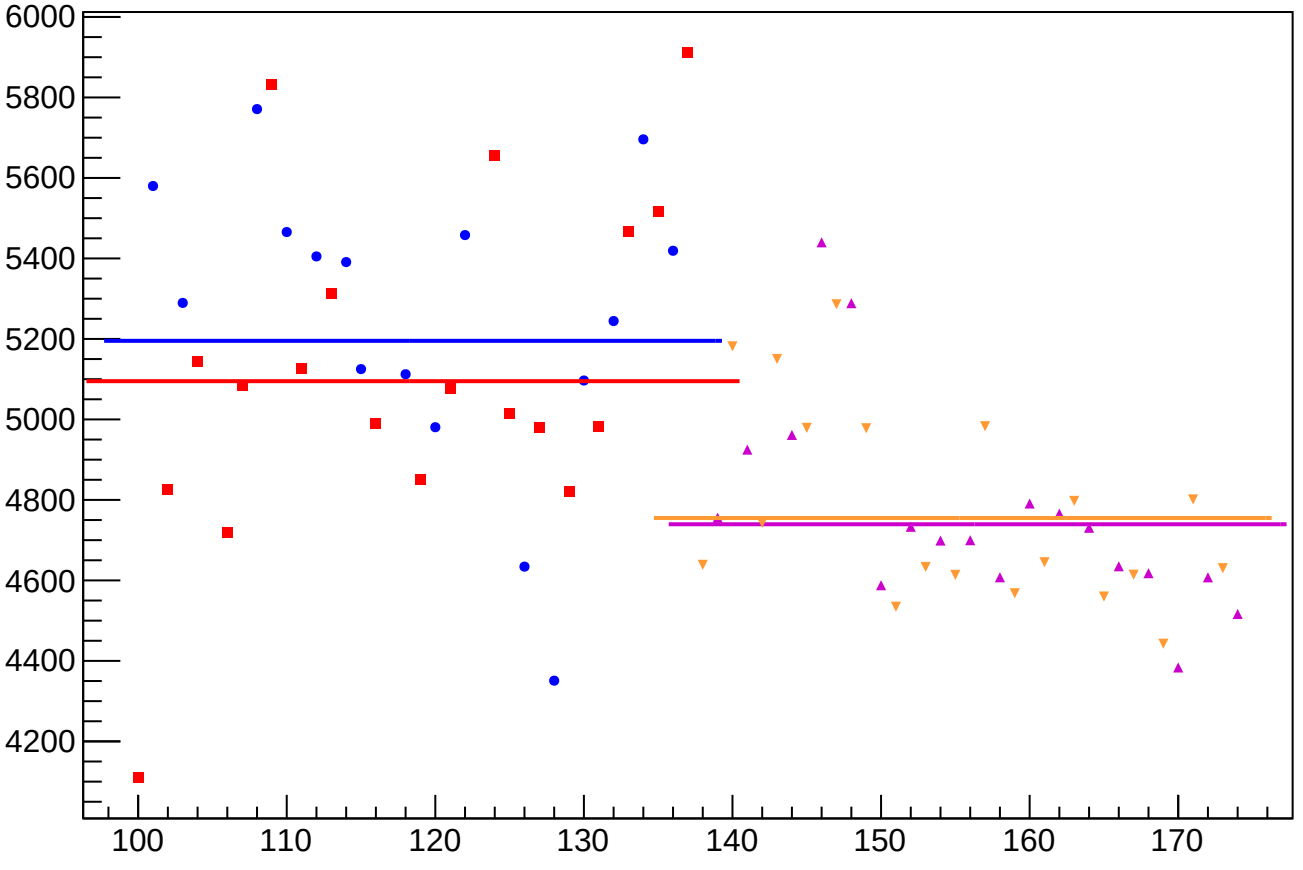
In: 0.377+/-0.000 χ^2/NDF:3340902.8/33

Out: 0.373+/-0.000 χ^2/NDF:3258553.7/37

All: 0.375+/-0.000 χ^2/NDF: 6601816.8/71


yield_bcm_an_diff_mean vs Slug, Sign Corrected
×10^3
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: 17663.790+/-2.006 χ²/NDF: 1398738701.8/15
Left Out: 5298.486+/-1.256 χ²/NDF:667455133.0/18
Right Out: 13666.312+/-1.925 χ²/NDF: 1856962869.6/18
Left In: -4088.006+/-1.258 χ²/NDF:580707785.5/17
Left: 614.453+/-0.889 χ²/NDF: 1276053761.9/36
Right: 15583.102+/-1.389 χ²/NDF: 3257769505.5/3
In: 2053.972+/-1.066 χ²/NDF:2063864800.7/33
Out: 7795.964+/-1.052 χ²/NDF:2537675226.6/37
All: 4963.164+/-0.749 χ²/NDF: 4616248435.

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5195.298+/-1.418 χ^2/NDF: 77166.0/15

Left Out: 4755.122+/-0.888 χ^2/NDF:68097.6/18

Right Out: 5095.047+/-1.361 χ^2/NDF: 59112.0/18

Left In: 4739.512+/-0.890 χ^2/NDF:70213.1/17

Left: 4747.332+/-0.628 χ^2/NDF: 138465.1/36

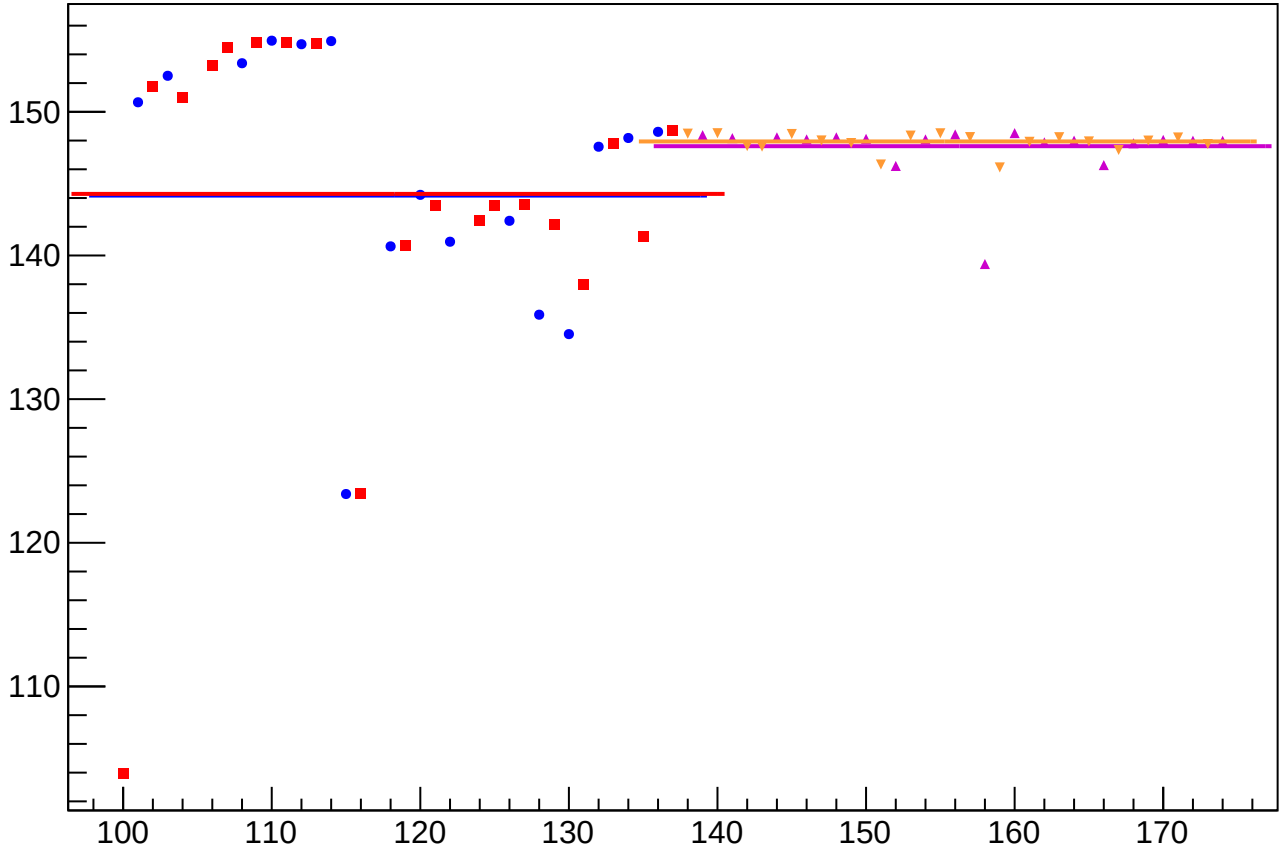
Right: 5143.118+/-0.982 χ^2/NDF: 138879.2/34

In: 4868.211+/-0.754 χ^2/NDF:221510.2/33

Out: 4856.577+/-0.744 χ^2/NDF:170964.4/37

All: 4862.316+/-0.529 χ^2/NDF: 392595.3/71

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.172+/-0.000 χ^2/NDF: 3764836520.0/15

Left Out: 147.939+/-0.000 χ^2/NDF:34104418.7/18

Right Out: 144.286+/-0.000 χ^2/NDF: 4290223847.7/18

Left In: 147.608+/-0.000 χ^2/NDF:290718798.9/17

Left: 147.779+/-0.000 χ^2/NDF: 329293854.0/36

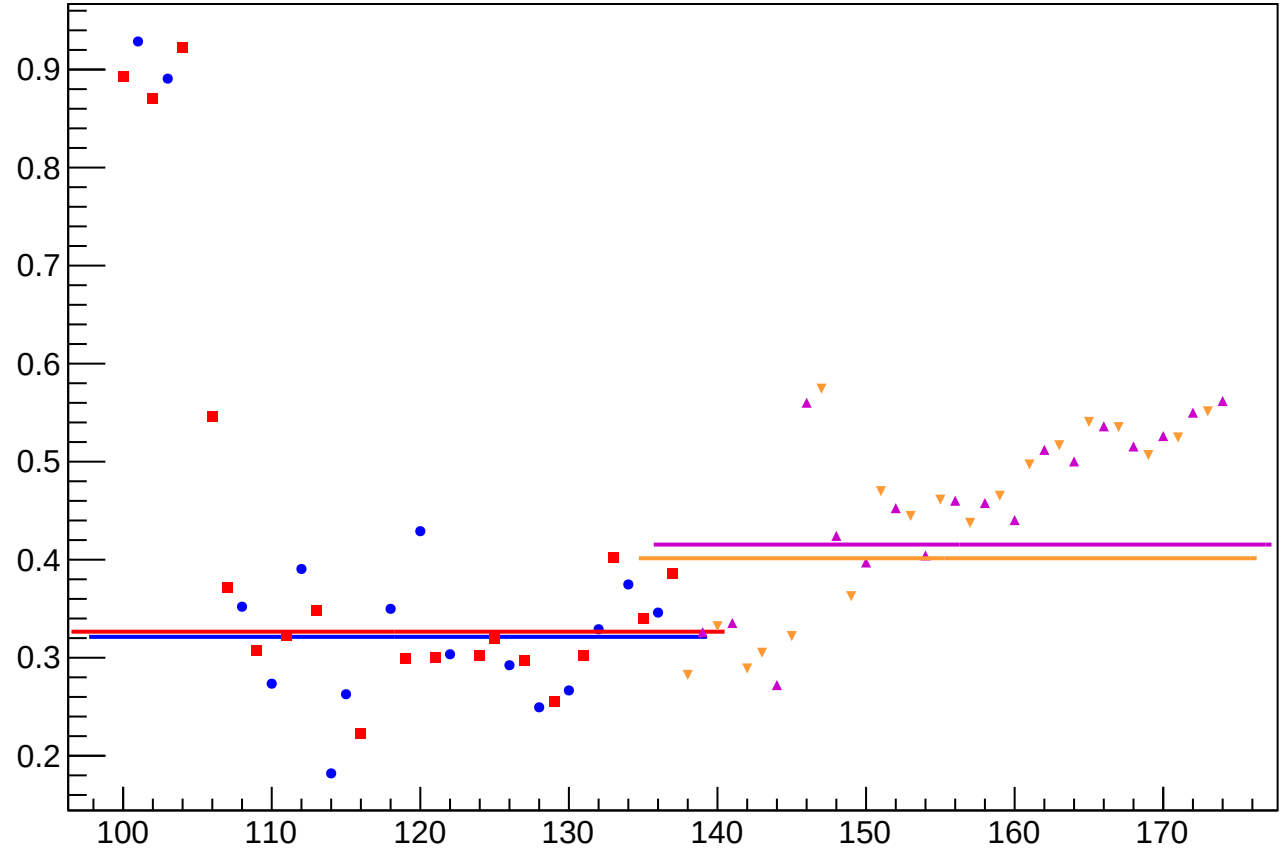
Right: 144.229+/-0.000 χ^2/NDF: 8055437753.5/34

In: 146.160+/-0.000 χ^2/NDF:4449368567.5/33

Out: 146.469+/-0.000 χ^2/NDF:4779801731.6/37

All: 146.317+/-0.000 χ^2/NDF: 9235831292.5

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.321+/-0.000 χ^2/NDF: 1396250.7/15

Left Out: 0.401+/-0.000 χ^2/NDF:1576314.2/18

Right Out: 0.327+/-0.000 χ^2/NDF: 1302732.4/18

Left In: 0.415+/-0.000 χ^2/NDF:1353852.2/17

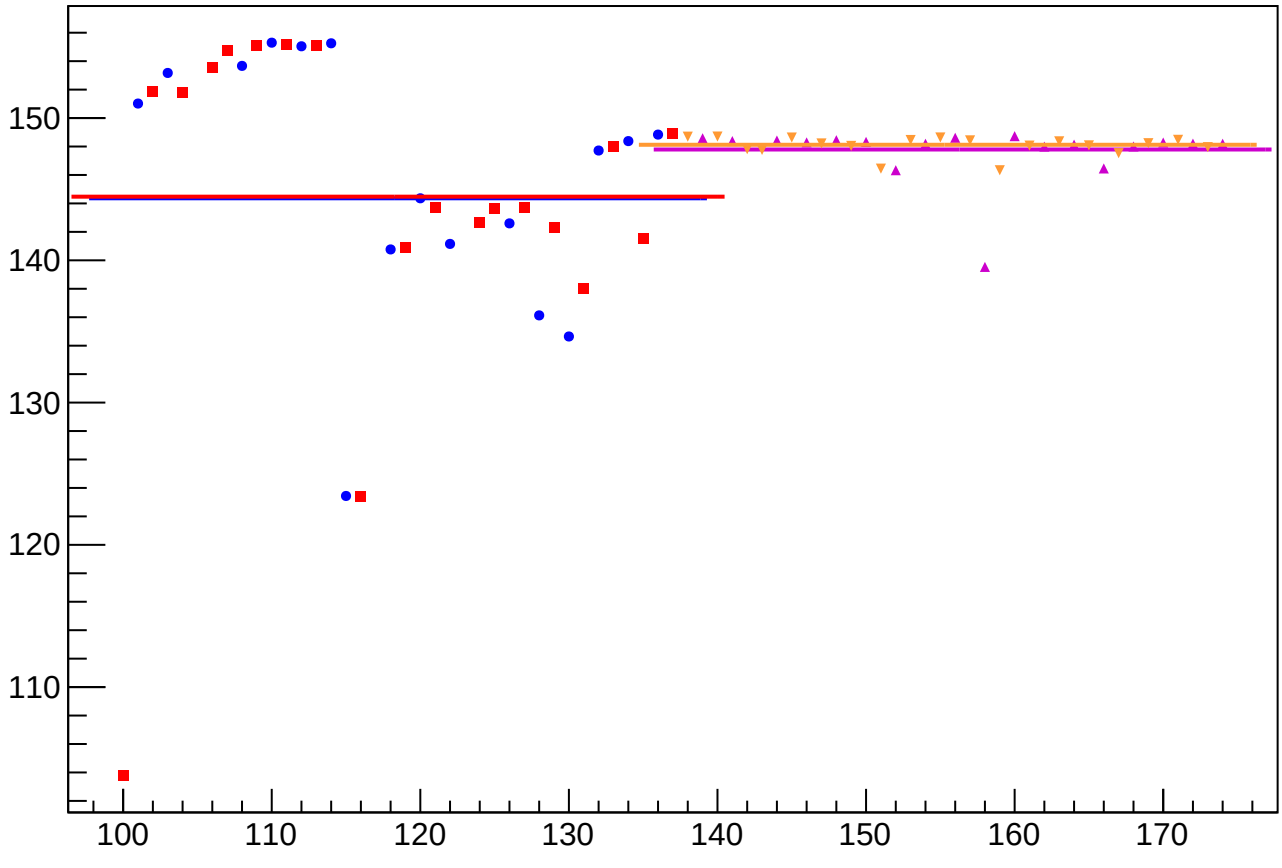
Left: 0.408+/-0.000 χ^2/NDF: 2946144.1/36

Right: 0.324+/-0.000 χ^2/NDF: 2700575.6/34

In: 0.376+/-0.000 χ^2/NDF:3341168.4/33

Out: 0.371+/-0.000 χ^2/NDF:3262207.4/37

All: 0.373+/-0.000 χ^2/NDF: 6606111.4/71



Right In: 144.361+/-0.000 χ^2/NDF: 3758625293.6/15

Left Out: 148.122+/-0.000 χ^2/NDF:34200539.8/18

Right Out: 144.475+/-0.000 χ^2/NDF: 4281975463.8/18

Left In: 147.790+/-0.000 χ^2/NDF:295255185.2/17

Left: 147.962+/-0.000 χ^2/NDF: 333949154.4/36

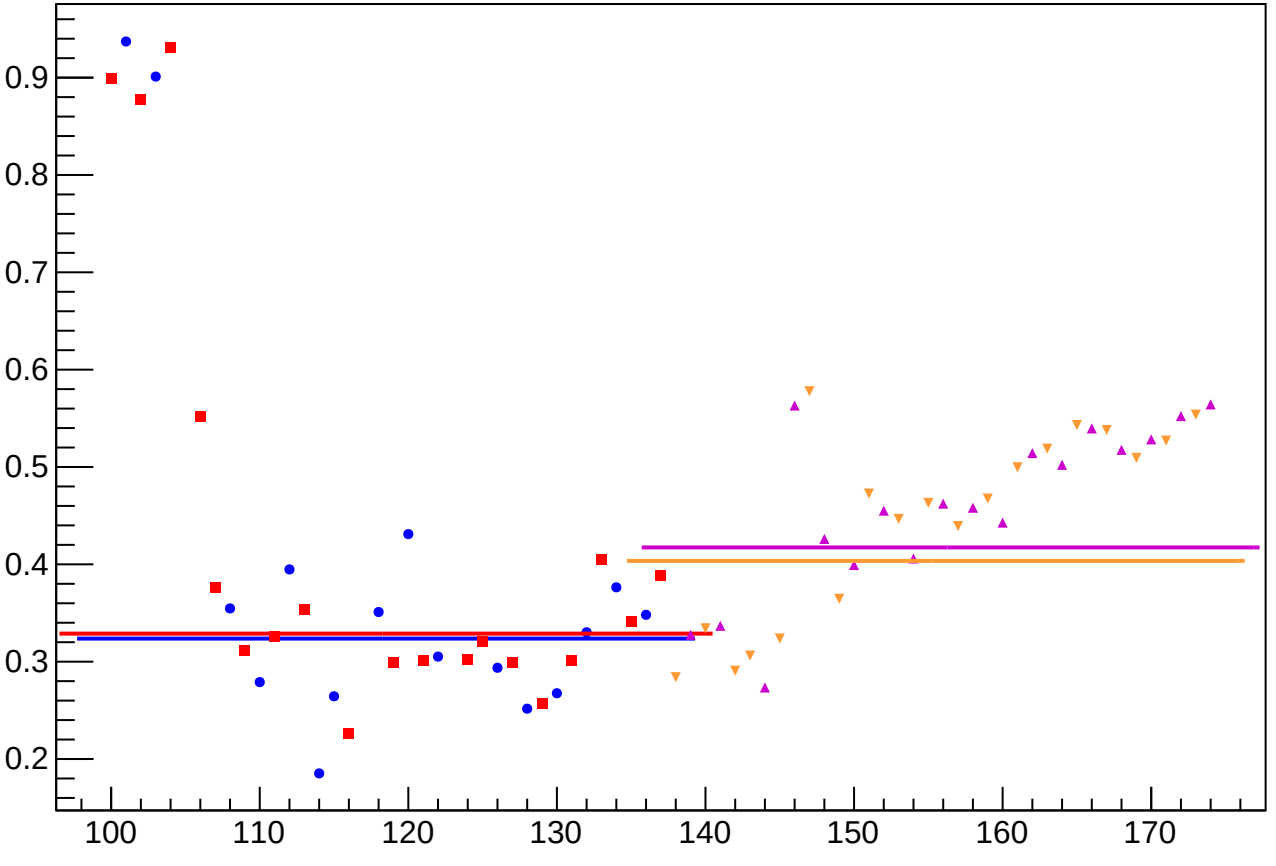
Right: 144.417+/-0.000 χ^2/NDF: 8040967165.8/34

In: 146.349+/-0.000 χ^2/NDF:4441163412.8/33

Out: 146.658+/-0.000 χ^2/NDF:4765046595.1/37

All: 146.506+/-0.000 χ^2/NDF: 9212775929.3

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.324+/-0.000 χ^2/NDF: 1392377.9/15

Left Out: 0.404+/-0.000 χ^2/NDF:1573305.9/18

Right Out: 0.329+/-0.000 χ^2/NDF: 1303222.2/18

Left In: 0.417+/-0.000 χ^2/NDF:1352478.4/17

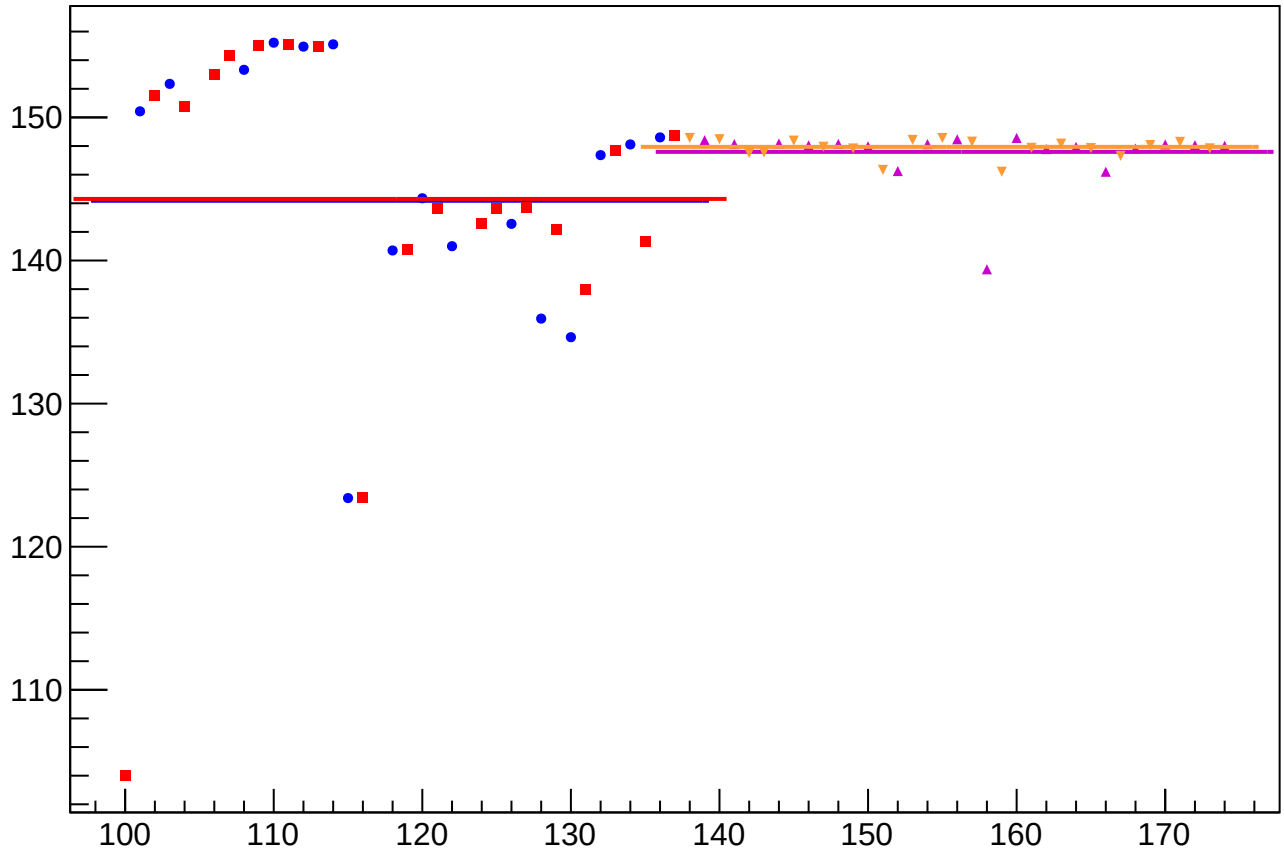
Left: 0.410+/-0.000 χ^2/NDF: 2941260.1/36

Right: 0.326+/-0.000 χ^2/NDF: 2697075.5/34

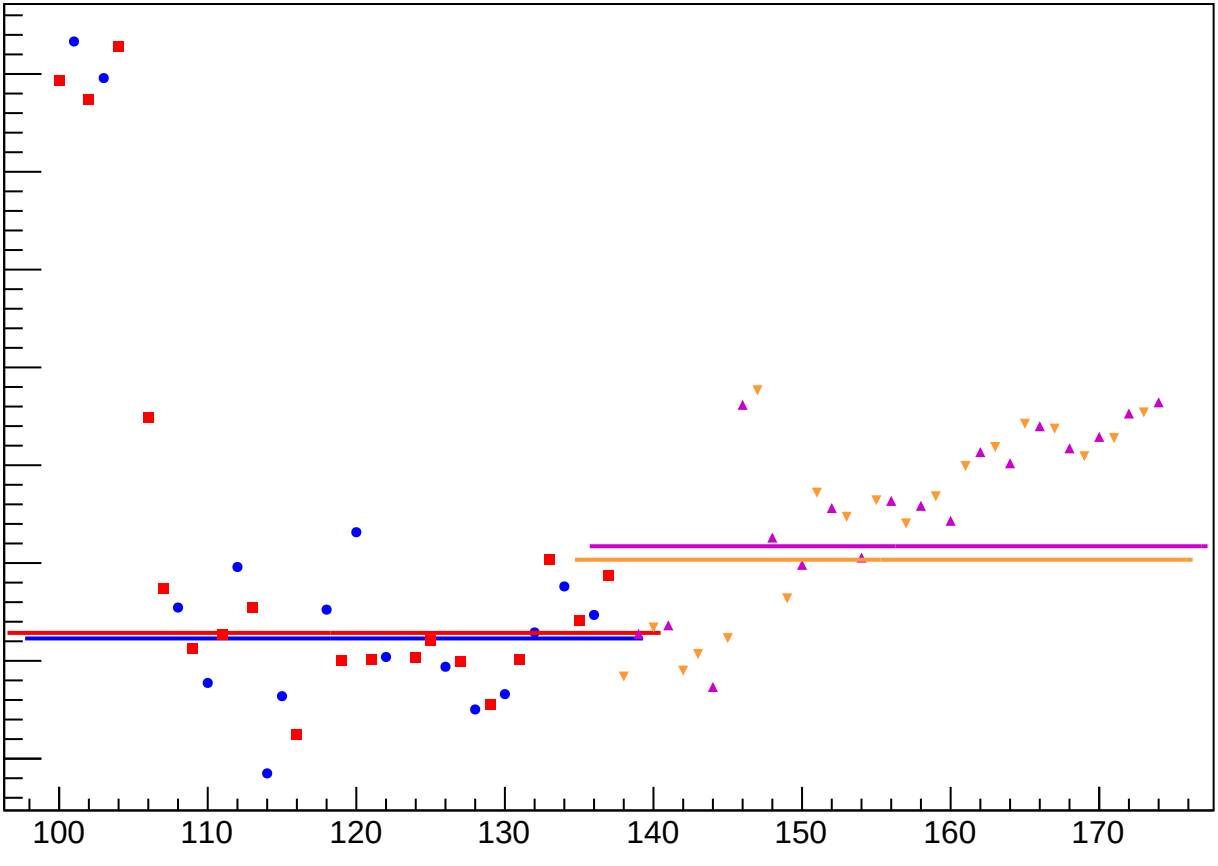
In: 0.378+/-0.000 χ^2/NDF:3322492.6/33

Out: 0.374+/-0.000 χ^2/NDF:3253144.7/37

All: 0.376+/-0.000 χ^2/NDF: 6578392.5/71


yield_bcm_an_us_mean vs Slug, Sign Corrected
150
140
130
120
110
100
110
120
130
140
150
160
170
Right In: 144.176+/-0.000 χ²/NDF: 3724747268.7/15
Left Out: 147.942+/-0.000 χ²/NDF:34253428.2/18
Right Out: 144.304+/-0.000 χ²/NDF: 4264494940.7/18
Left In: 147.592+/-0.000 χ²/NDF:290461427.2/17
Left: 147.773+/-0.000 χ²/NDF: 329690290.1/36
Right: 144.240+/-0.000 χ²/NDF: 7989709366.0/34
In: 146.154+/-0.000 χ²/NDF:4400765174.3/33
Out: 146.480+/-0.000 χ²/NDF:4745739196.5/37
All: 146.320+/-0.000 χ²/NDF: 9153867248.0

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.323+/-0.000 χ^2/NDF: 1396024.1/15

Left Out: 0.403+/-0.000 χ^2/NDF:1576033.4/18

Right Out: 0.329+/-0.000 χ^2/NDF: 1304148.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1357497.2/17

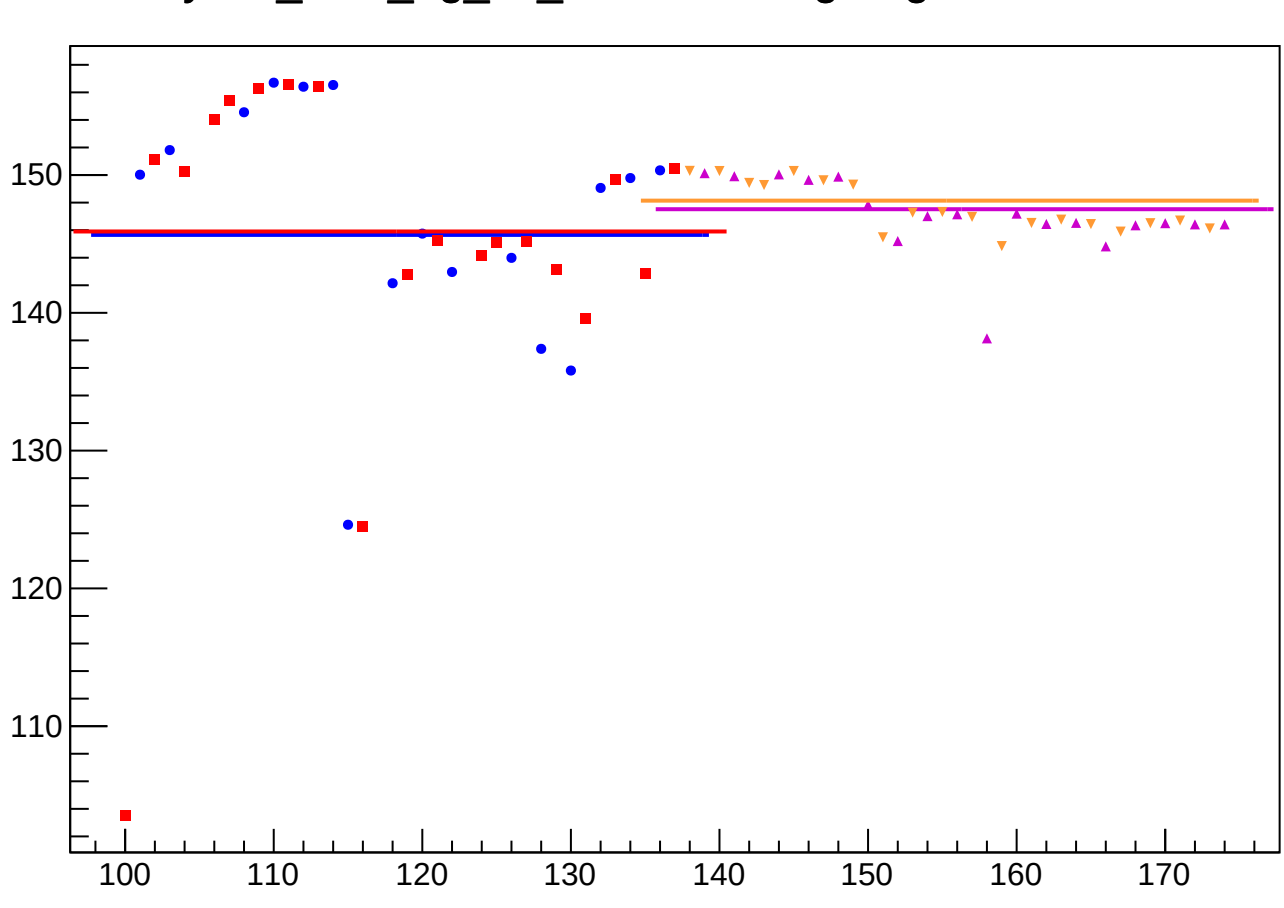
Left: 0.410+/-0.000 χ^2/NDF: 2948898.4/36

Right: 0.326+/-0.000 χ^2/NDF: 2702003.2/34

In: 0.377+/-0.000 χ^2/NDF:3340902.8/33

Out: 0.373+/-0.000 χ^2/NDF:3258553.7/37

All: 0.375+/-0.000 χ^2/NDF: 6601816.8/71



Right In: 145.657+/-0.000 χ^2/NDF: 3481495345.2/15

Left Out: 148.143+/-0.000 χ^2/NDF:258487118.8/18

Right Out: 145.904+/-0.000 χ^2/NDF: 3863011865.2/18

Left In: 147.521+/-0.000 χ^2/NDF:562311194.6/17

Left: 147.840+/-0.000 χ^2/NDF: 835494017.3/36

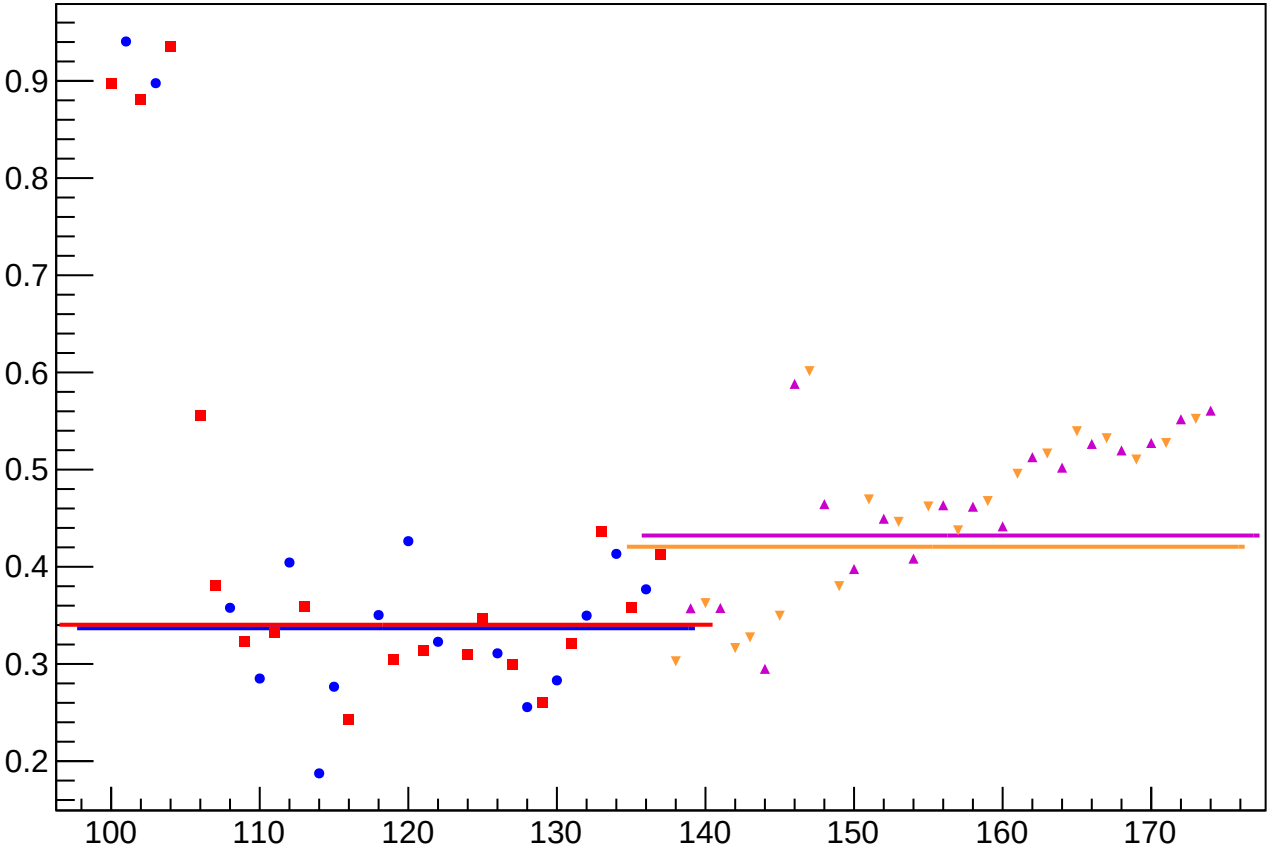
Right: 145.781+/-0.000 χ^2/NDF: 7346117767.9/34

In: 146.747+/-0.000 χ^2/NDF:4150407553.0/33

Out: 147.243+/-0.000 χ^2/NDF:4278977776.7/37

All: 146.999+/-0.000 χ^2/NDF: 8445156486.2

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.337+/-0.000 χ^2/NDF: 1370512.1/15

Left Out: 0.421+/-0.000 χ^2/NDF:1176465.4/18

Right Out: 0.340+/-0.000 χ^2/NDF: 1274717.4/18

Left In: 0.432+/-0.000 χ^2/NDF:1040420.5/17

Left: 0.426+/-0.000 χ^2/NDF: 2226995.0/36

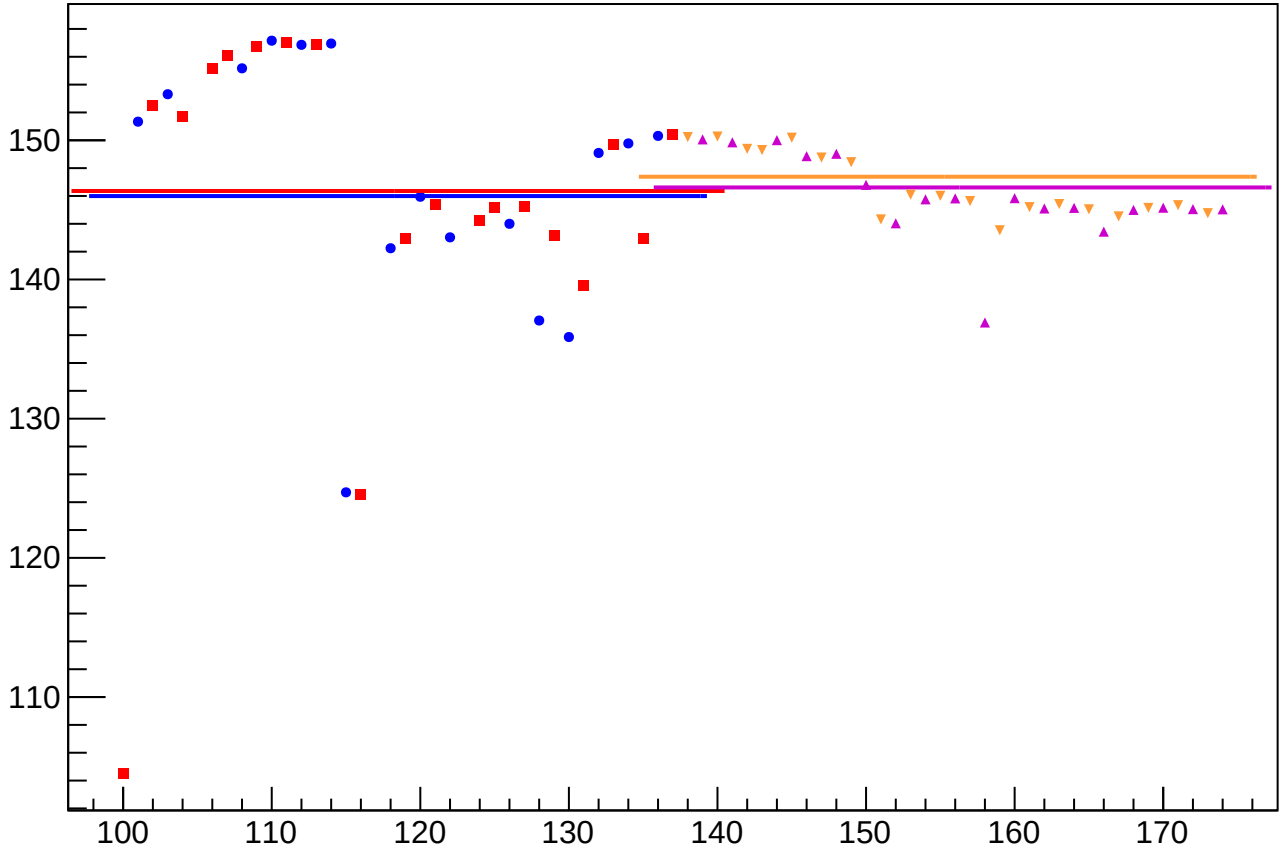
Right: 0.339+/-0.000 χ^2/NDF: 2645924.6/34

In: 0.393+/-0.000 χ^2/NDF:2969750.1/33

Out: 0.388+/-0.000 χ^2/NDF:2856172.6/37

All: 0.390+/-0.000 χ^2/NDF: 5828196.1/71

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.993+/-0.000 χ^2/NDF: 3621634656.4/15

Left Out: 147.382+/-0.000 χ^2/NDF:439088752.0/18

Right Out: 146.358+/-0.000 χ^2/NDF: 3963122316.1/18

Left In: 146.612+/-0.000 χ^2/NDF:749813786.9/17

Left: 147.008+/-0.000 χ^2/NDF: 1211356522.7/36

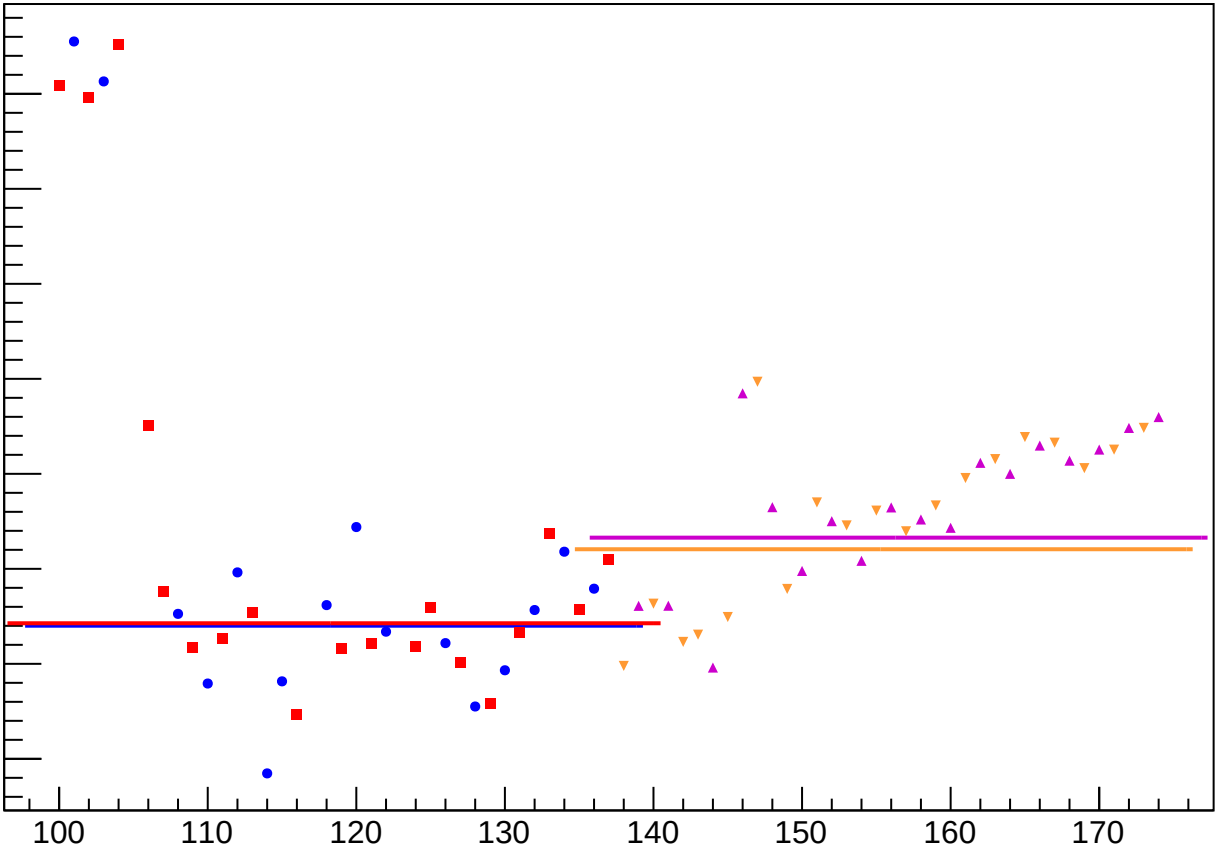
Right: 146.176+/-0.000 χ^2/NDF: 7588198619.6/34

In: 146.358+/-0.000 χ^2/NDF:4383052856.8/33

Out: 146.974+/-0.000 χ^2/NDF:4434795042.5/37

All: 146.672+/-0.000 χ^2/NDF: 8841988151.7

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.340+/-0.000 χ^2/NDF: 1393222.3/15

Left Out: 0.421+/-0.000 χ^2/NDF:1159694.9/18

Right Out: 0.343+/-0.000 χ^2/NDF: 1270731.2/18

Left In: 0.433+/-0.000 χ^2/NDF:995007.0/17

Left: 0.427+/-0.000 χ^2/NDF: 2165983.2/36

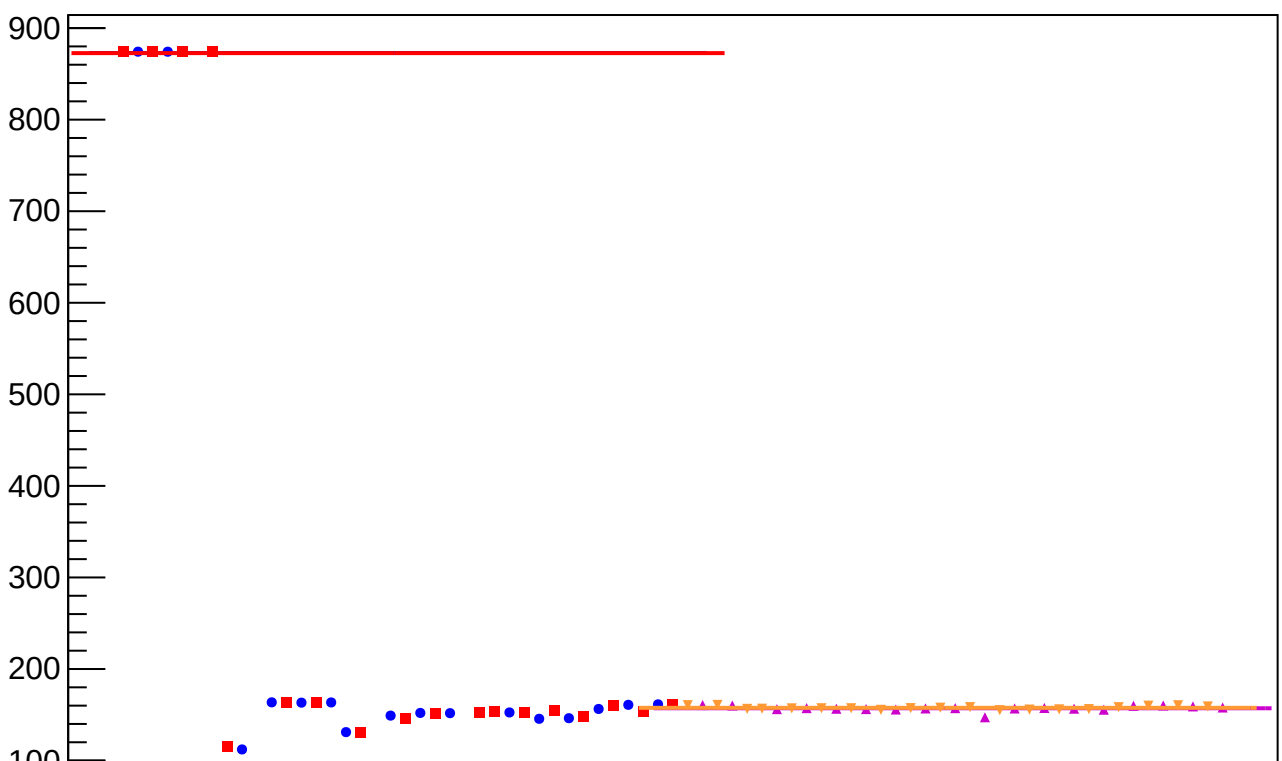
Right: 0.341+/-0.000 χ^2/NDF: 2664290.2/34

In: 0.395+/-0.000 χ^2/NDF:2907450.9/33

Out: 0.390+/-0.000 χ^2/NDF:2808341.2/37

All: 0.392+/-0.000 χ^2/NDF: 5719300.7/71

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.822+/-0.000 χ^2/NDF: 7191496833472.3/15

Left Out: 157.614+/-0.000 χ^2/NDF:90290725.1/18

Right Out: 872.676+/-0.000 χ^2/NDF: 9167298490018.9/18

Left In: 157.127+/-0.000 χ^2/NDF:202257447.5/17

Left: 157.372+/-0.000 χ^2/NDF: 295632850.1/36

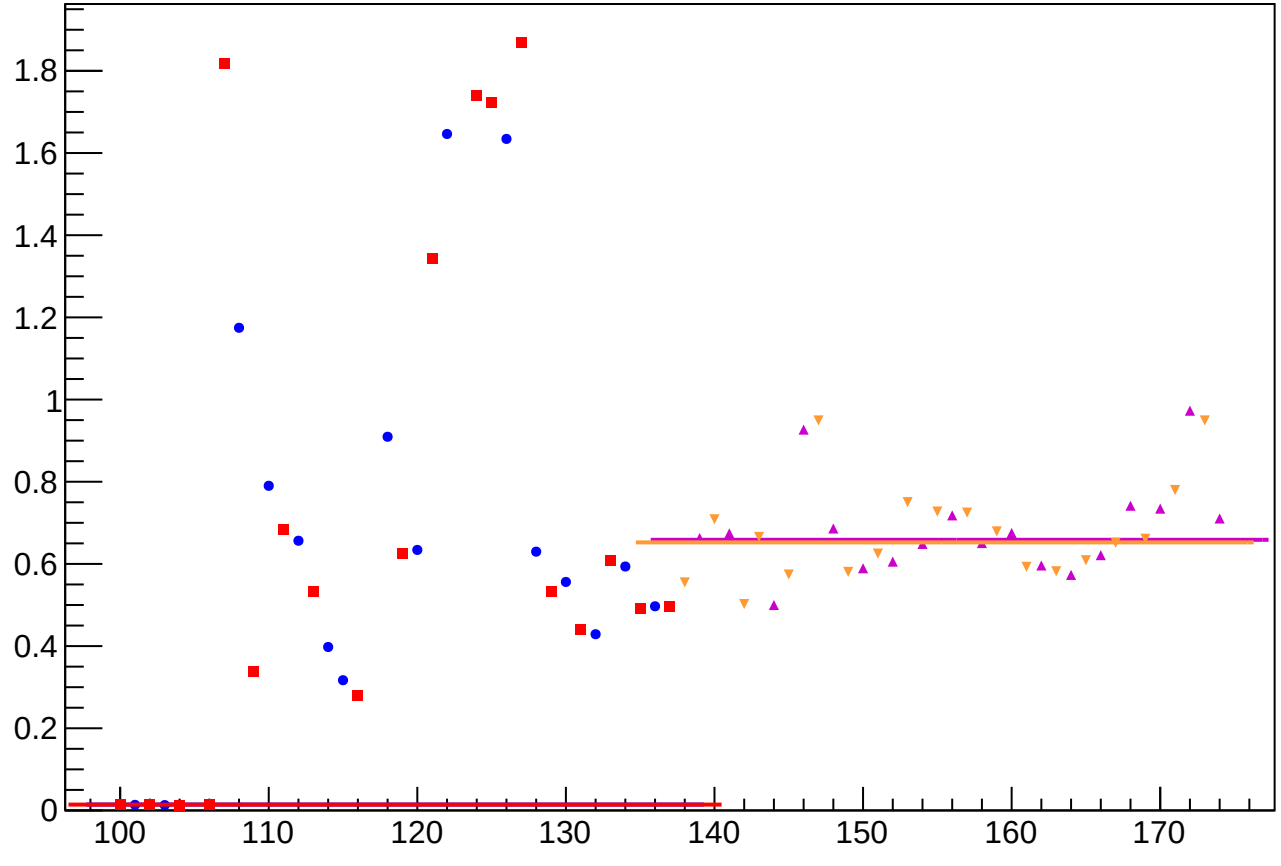
Right: 872.744+/-0.000 χ^2/NDF: 16358876765227.4

In: 870.243+/-0.000 χ^2/NDF:20341814495376.9/3

Out: 870.395+/-0.000 χ^2/NDF:22556574253591.9

All: 870.324+/-0.000 χ^2/NDF: 428984769307

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9622176.3/15

Left Out: 0.652+/-0.000 χ^2/NDF:489975.4/18

Right Out: 0.014+/-0.000 χ^2/NDF: 9410025.7/18

Left In: 0.659+/-0.000 χ^2/NDF:460406.6/17

Left: 0.656+/-0.000 χ^2/NDF: 951416.9/36

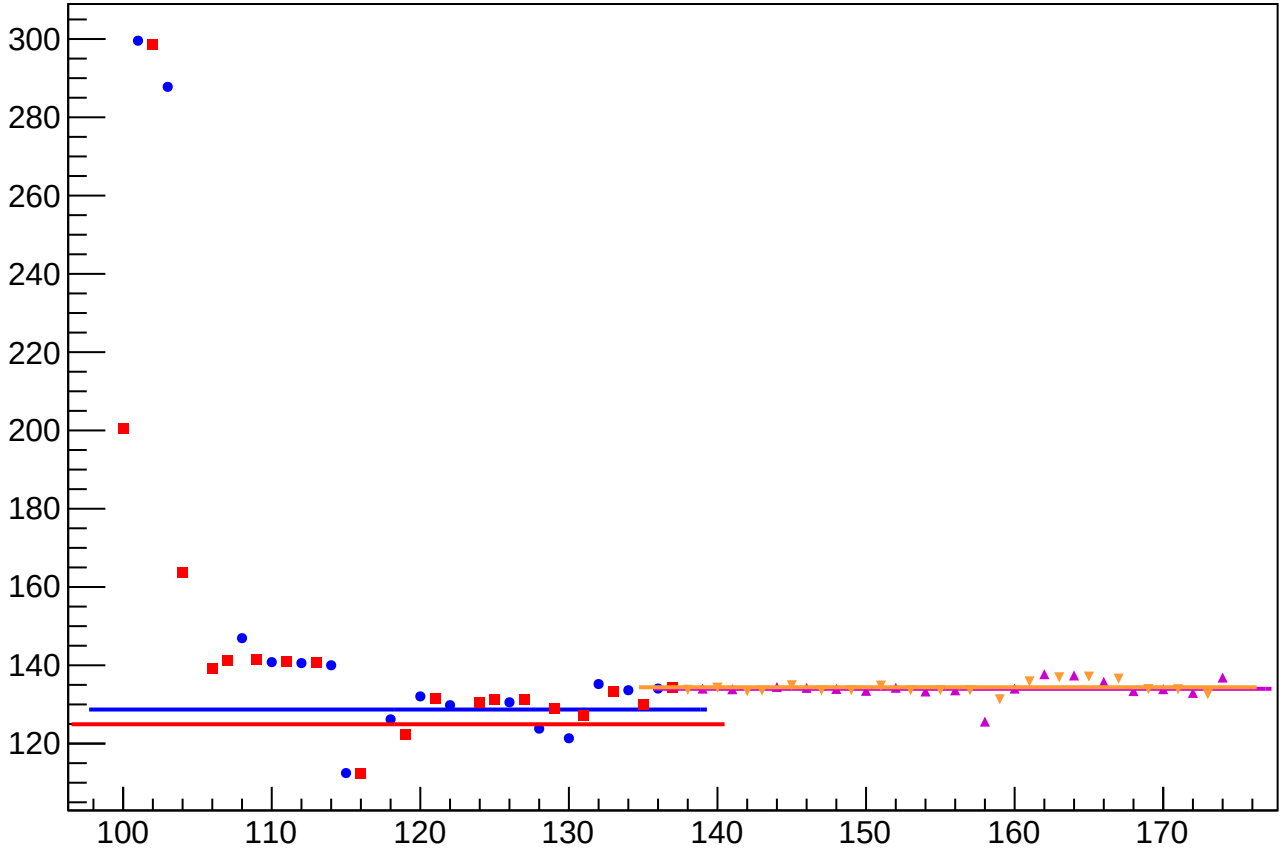
Right: 0.014+/-0.000 χ^2/NDF: 19032353.5/34

In: 0.017+/-0.000 χ^2/NDF:31399473.5/33

Out: 0.016+/-0.000 χ^2/NDF:31228736.0/37

All: 0.016+/-0.000 χ^2/NDF: 62629605.5/71

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 128.701+/-0.000 χ^2/NDF: 1656162604.0/15

Left Out: 134.392+/-0.000 χ^2/NDF:120476496.3/18

Right Out: 124.935+/-0.000 χ^2/NDF: 1397923053.7/18

Left In: 133.995+/-0.000 χ^2/NDF:392667145.5/17

Left: 134.200+/-0.000 χ^2/NDF: 517266979.0/36

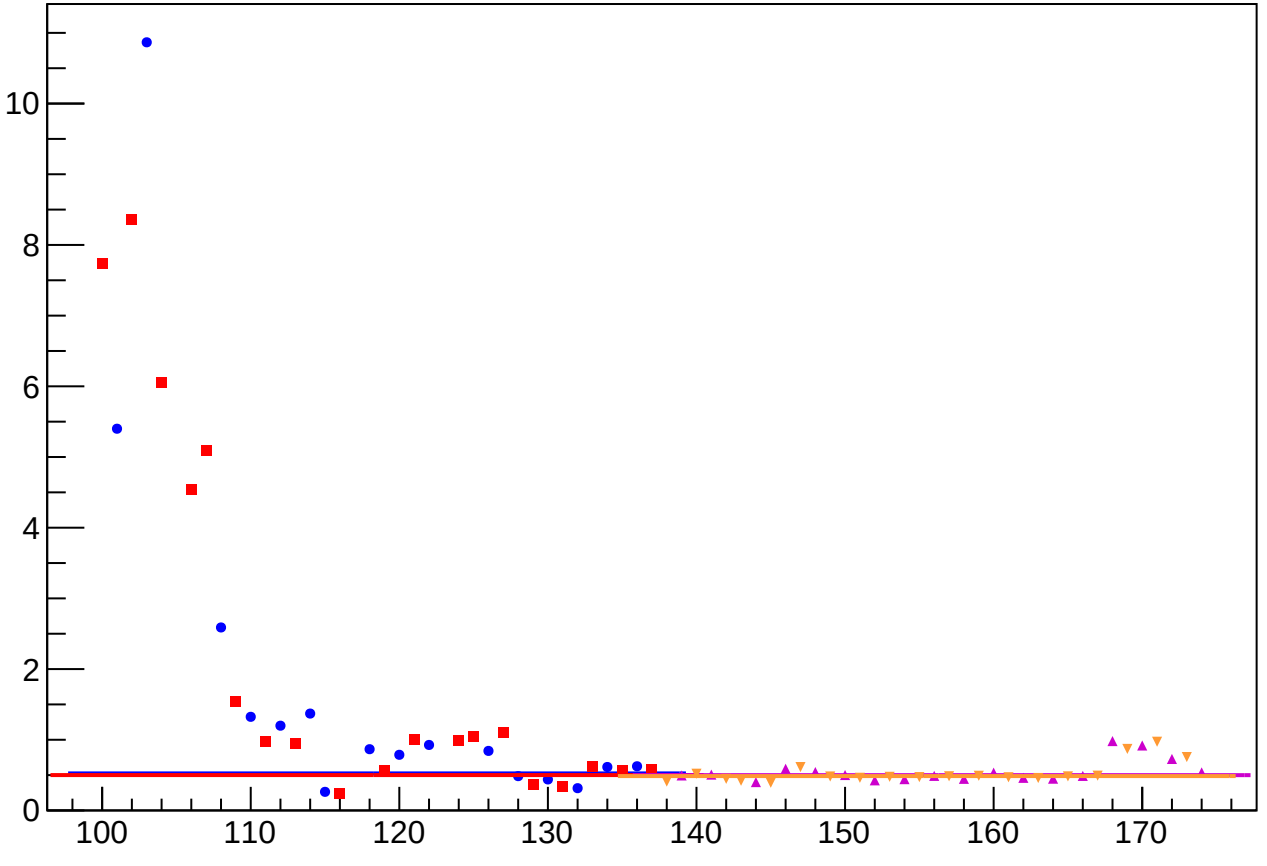
Right: 126.772+/-0.000 χ^2/NDF: 3151132983.0/34

In: 132.894+/-0.000 χ^2/NDF:2345640351.5/33

Out: 132.442+/-0.000 χ^2/NDF:2514383029.4/37

All: 132.662+/-0.000 χ^2/NDF: 4866794554.5

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.524+/-0.000 χ^2/NDF: 4138409.3/15

Left Out: 0.486+/-0.000 χ^2/NDF:1039331.5/18

Right Out: 0.501+/-0.000 χ^2/NDF: 4884137.3/18

Left In: 0.499+/-0.000 χ^2/NDF:1085314.2/17

Left: 0.493+/-0.000 χ^2/NDF: 2133855.6/36

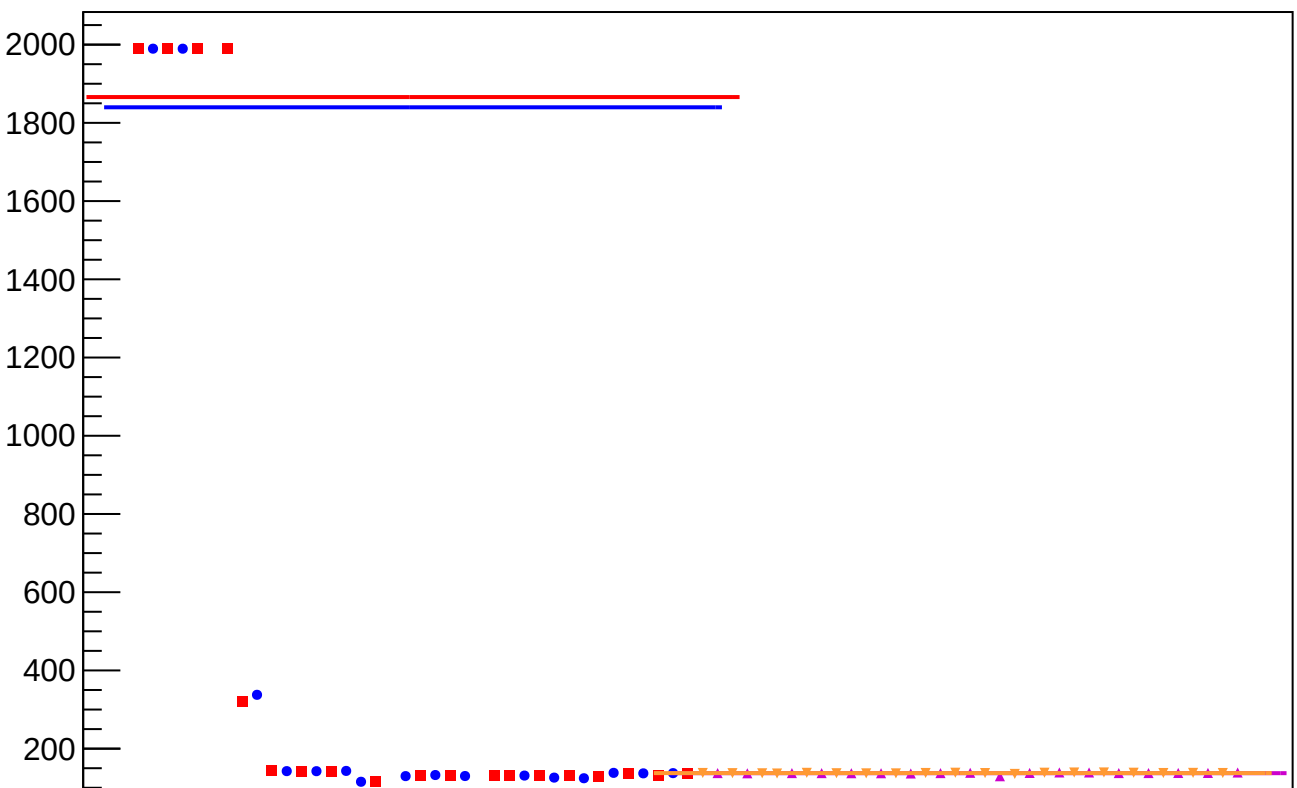
Right: 0.512+/-0.000 χ^2/NDF: 9030118.3/34

In: 0.505+/-0.000 χ^2/NDF:5236538.2/33

Out: 0.489+/-0.000 χ^2/NDF:5928048.2/37

All: 0.497+/-0.000 χ^2/NDF: 11180292.1/71

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1839.782+/-0.000 χ^2/NDF: 145916014549797.4/15

Left Out: 137.502+/-0.000 χ^2/NDF:59316278.9/18

Right Out: 1865.968+/-0.000 χ^2/NDF: 142769122276045.8/18

Left In: 137.320+/-0.000 χ^2/NDF:237321435.5/17

Left: 137.415+/-0.000 χ^2/NDF: 297921539.1/36

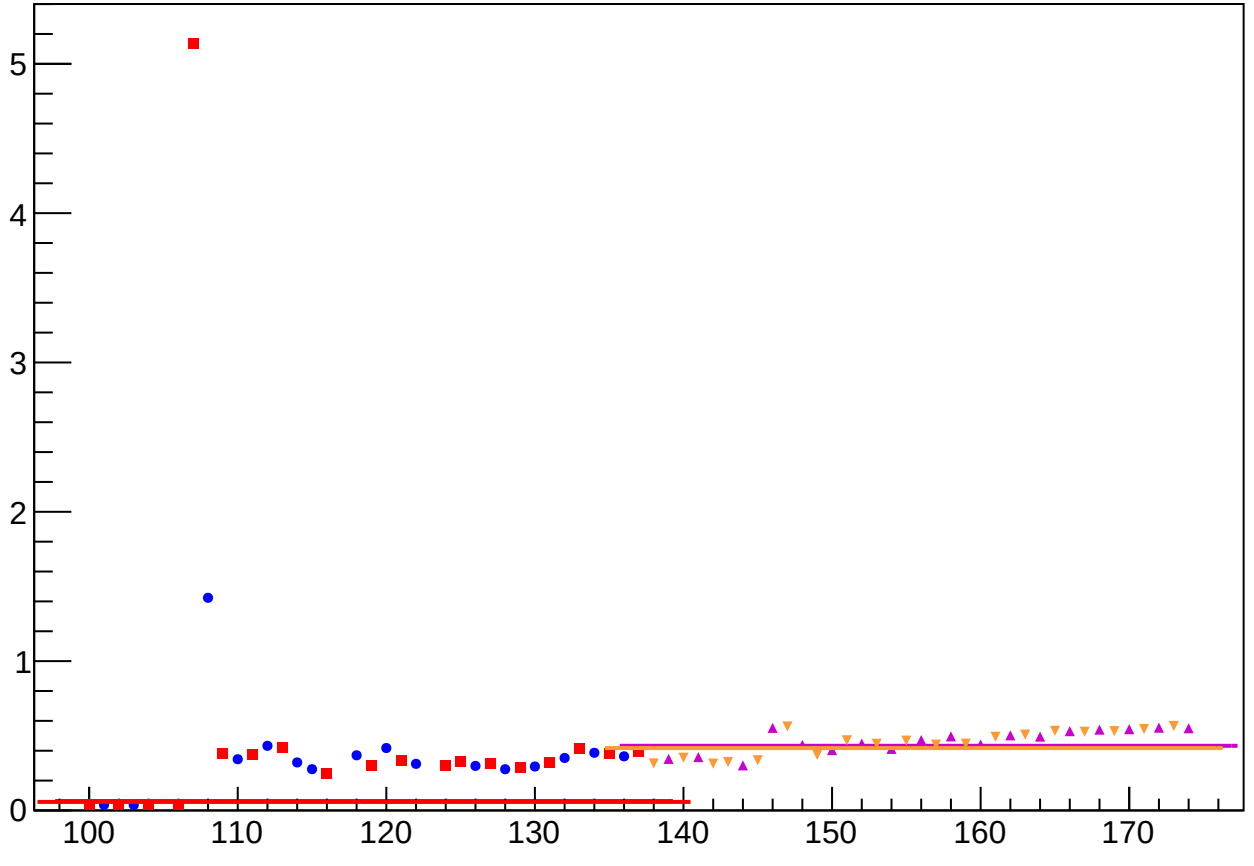
Right: 1853.888+/-0.000 χ^2/NDF: 2888957986059

In: 1644.255+/-0.000 χ^2/NDF:335765040653065.

Out: 1681.029+/-0.000 χ^2/NDF:355640410335555

All: 1663.983+/-0.000 χ^2/NDF: 6918729022

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.062+/-0.000 χ^2/NDF: 8173578.9/15

Left Out: 0.418+/-0.000 χ^2/NDF:1190500.4/18

Right Out: 0.057+/-0.000 χ^2/NDF: 7741927.9/18

Left In: 0.433+/-0.000 χ^2/NDF:1018303.8/17

Left: 0.425+/-0.000 χ^2/NDF: 2226828.8/36

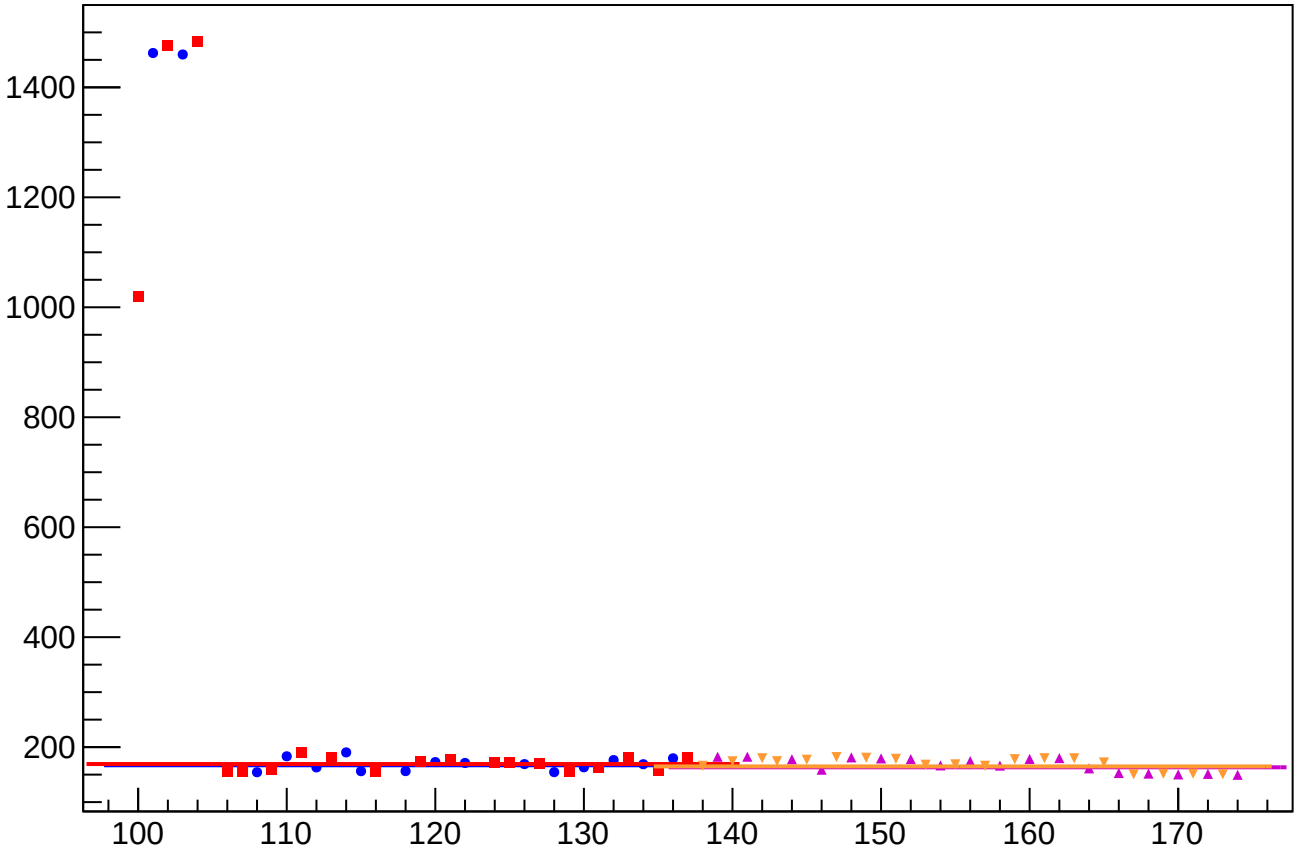
Right: 0.059+/-0.000 χ^2/NDF: 15927866.9/34

In: 0.104+/-0.000 χ^2/NDF:27244952.2/33

Out: 0.096+/-0.000 χ^2/NDF:27440539.8/37

All: 0.100+/-0.000 χ^2/NDF: 54736146.8/71

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 167.017+/-0.000 χ^2/NDF: 14614977518.5/15

Left Out: 164.929+/-0.000 χ^2/NDF:2554887281.6/18

Right Out: 169.257+/-0.000 χ^2/NDF: 16317542946.8/18

Left In: 163.311+/-0.000 χ^2/NDF:2883053616.0/17

Left: 164.114+/-0.000 χ^2/NDF: 5461069398.5/36

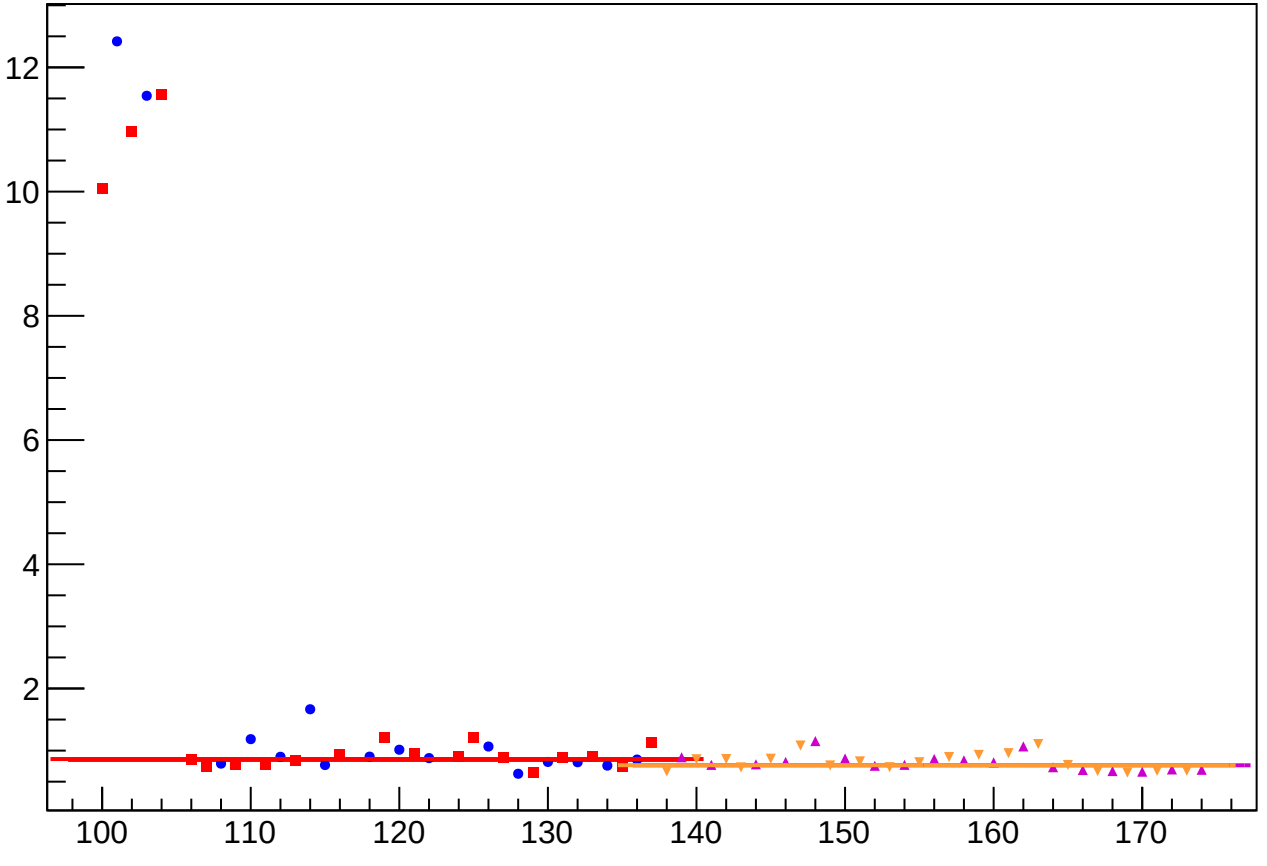
Right: 168.153+/-0.000 χ^2/NDF: 30946000130.2/34

In: 164.160+/-0.000 χ^2/NDF:17554079579.1/33

Out: 165.956+/-0.000 χ^2/NDF:18950283460.4/37

All: 165.055+/-0.000 χ^2/NDF: 36541505575.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.853+/-0.000 χ^2/NDF: 2302297.2/15

Left Out: 0.765+/-0.000 χ^2/NDF:500211.9/18

Right Out: 0.864+/-0.000 χ^2/NDF: 2209232.6/18

Left In: 0.764+/-0.000 χ^2/NDF:406653.2/17

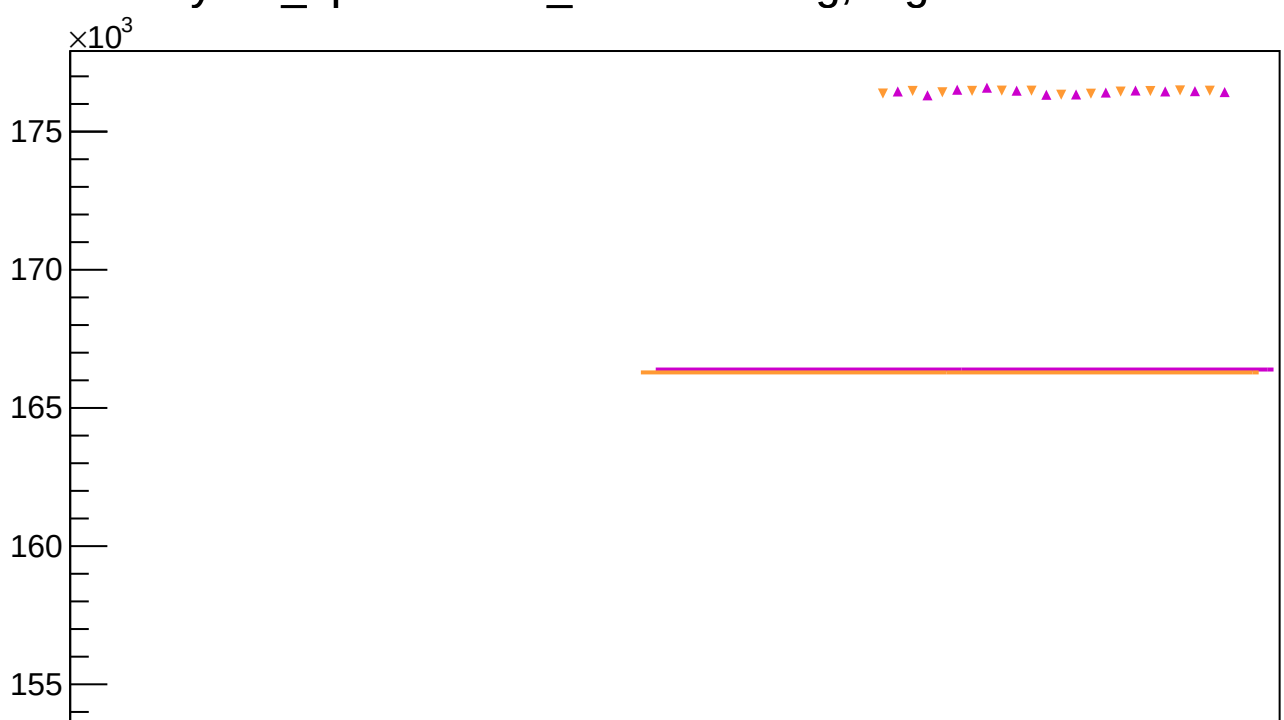
Left: 0.764+/-0.000 χ^2/NDF: 906910.3/36

Right: 0.859+/-0.000 χ^2/NDF: 4512219.1/34

In: 0.784+/-0.000 χ^2/NDF:2774094.7/33

Out: 0.789+/-0.000 χ^2/NDF:2791006.2/37

All: 0.786+/-0.000 χ^2/NDF: 5565594.6/71



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166285.952+/-0.050 χ^2/NDF:55759171910.9/18

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

Left: 166336.625+/-0.036 χ^2/NDF: 108275662556.

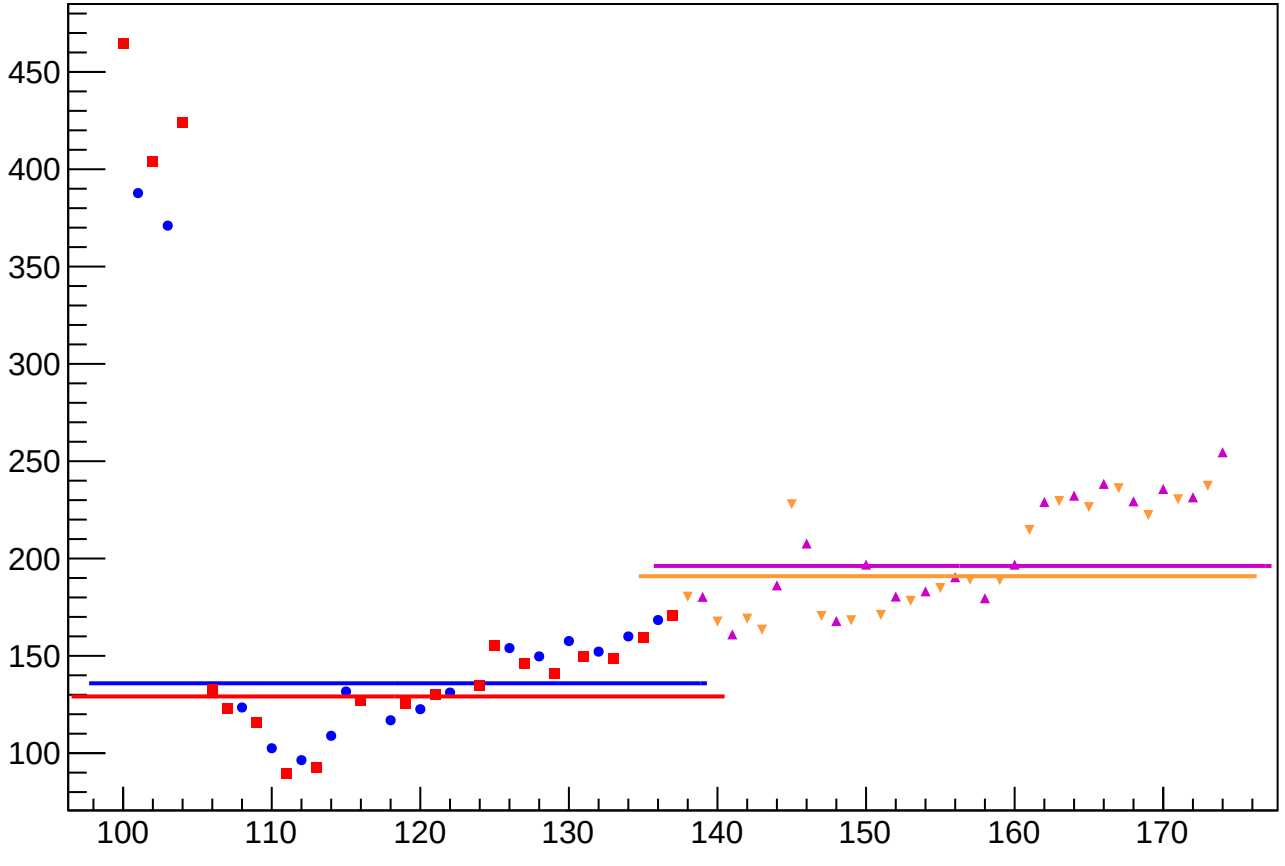
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158925.248+/-0.038 χ^2/NDF:97085474538.8/3

Out: 158574.348+/-0.036 χ^2/NDF:104431853347.

All: 158741.132+/-0.026 χ^2/NDF: 20156324

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 190.936+/-0.035 χ^2/NDF:520372.5/18

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

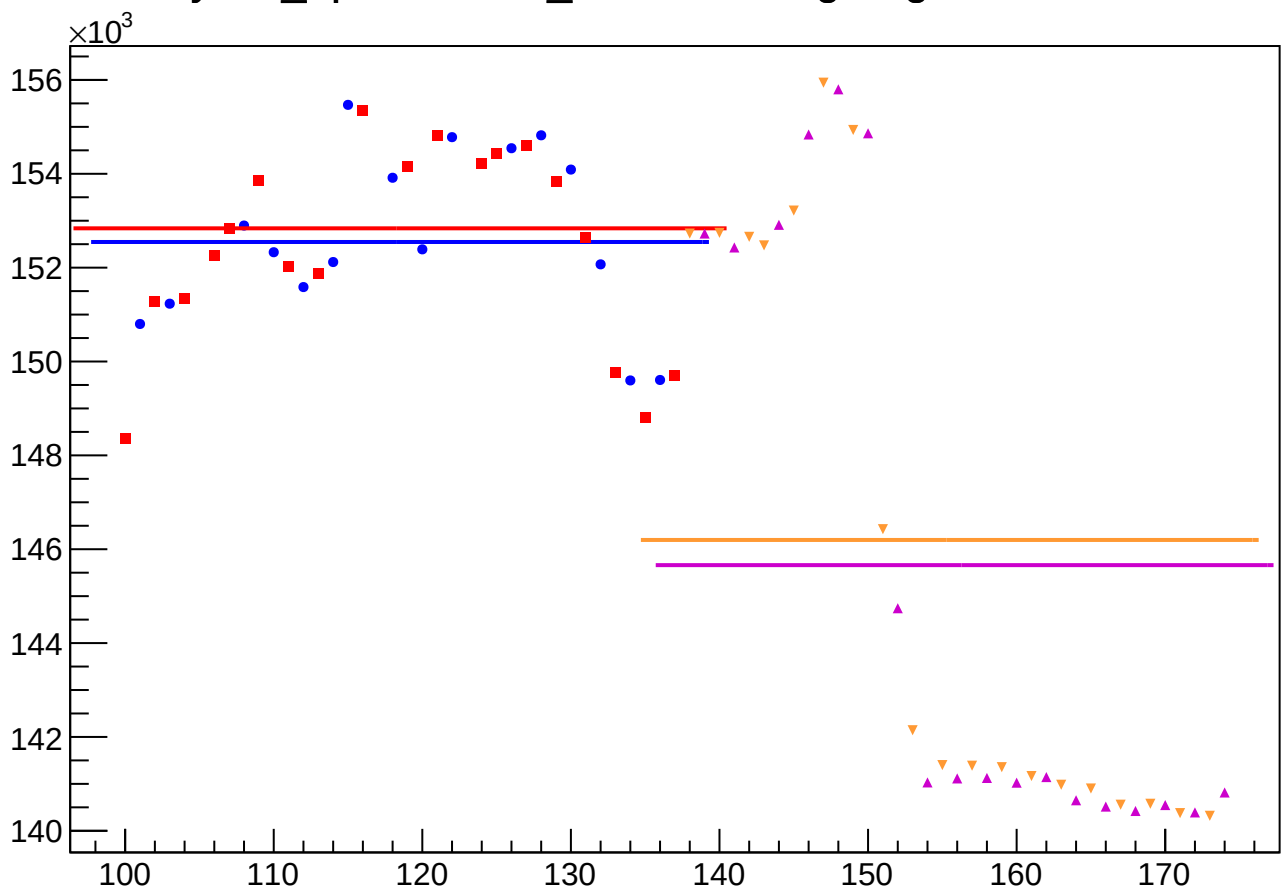
Left: 193.478+/-0.025 χ^2/NDF: 1028608.5/36

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

In: 167.739+/-0.027 χ^2/NDF:3201346.1/33

Out: 160.625+/-0.025 χ^2/NDF:3632528.3/37

All: 164.006+/-0.018 χ^2/NDF: 6871613.5/71



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146197.525+/-0.054 χ^2/NDF:11893744629.4/18

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

Left: 145934.488+/-0.039 χ^2/NDF: 23912599467.9

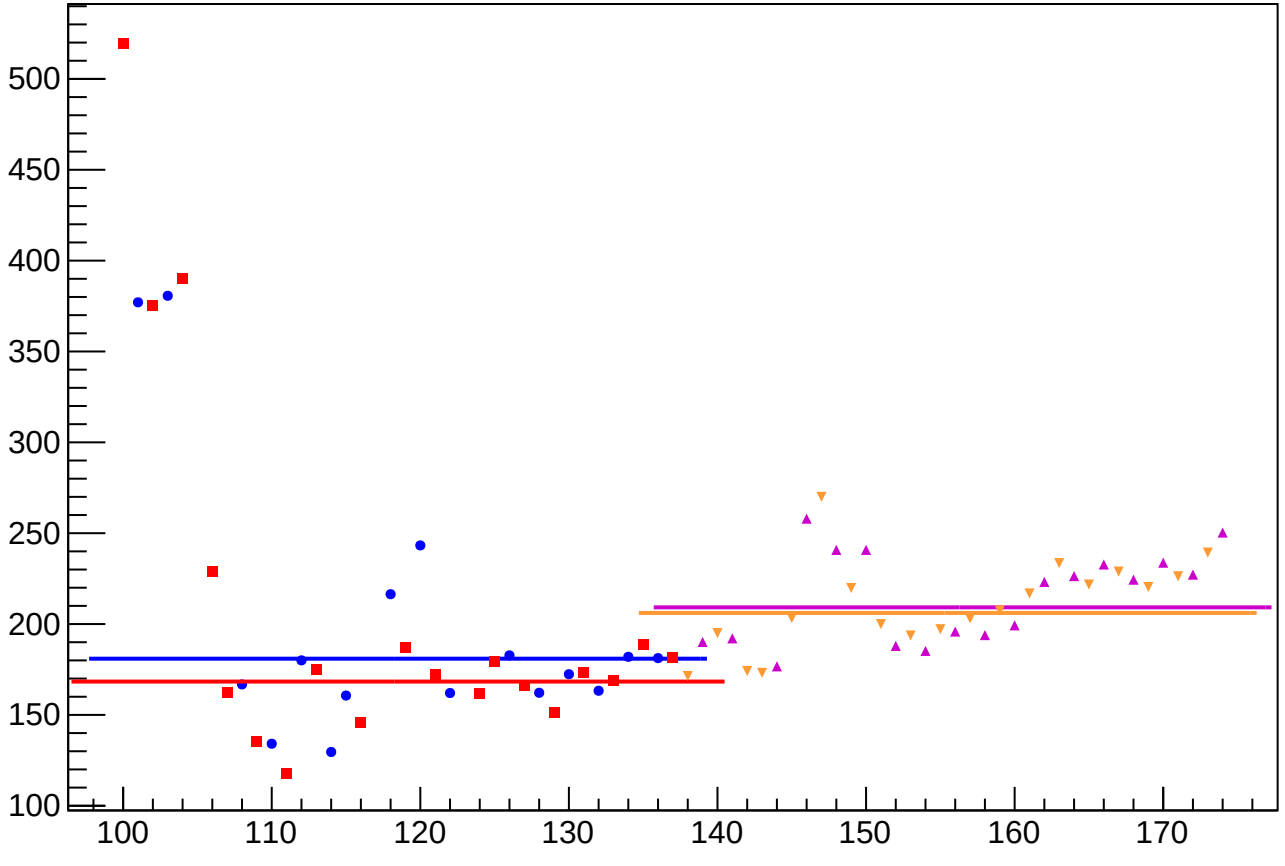
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148174.276+/-0.044 χ^2/NDF:18335108932.7/3

Out: 148828.100+/-0.042 χ^2/NDF:18622800156.5

All: 148515.761+/-0.030 χ^2/NDF: 37073919

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 206.113+/-0.038 χ^2/NDF:361775.7/18

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

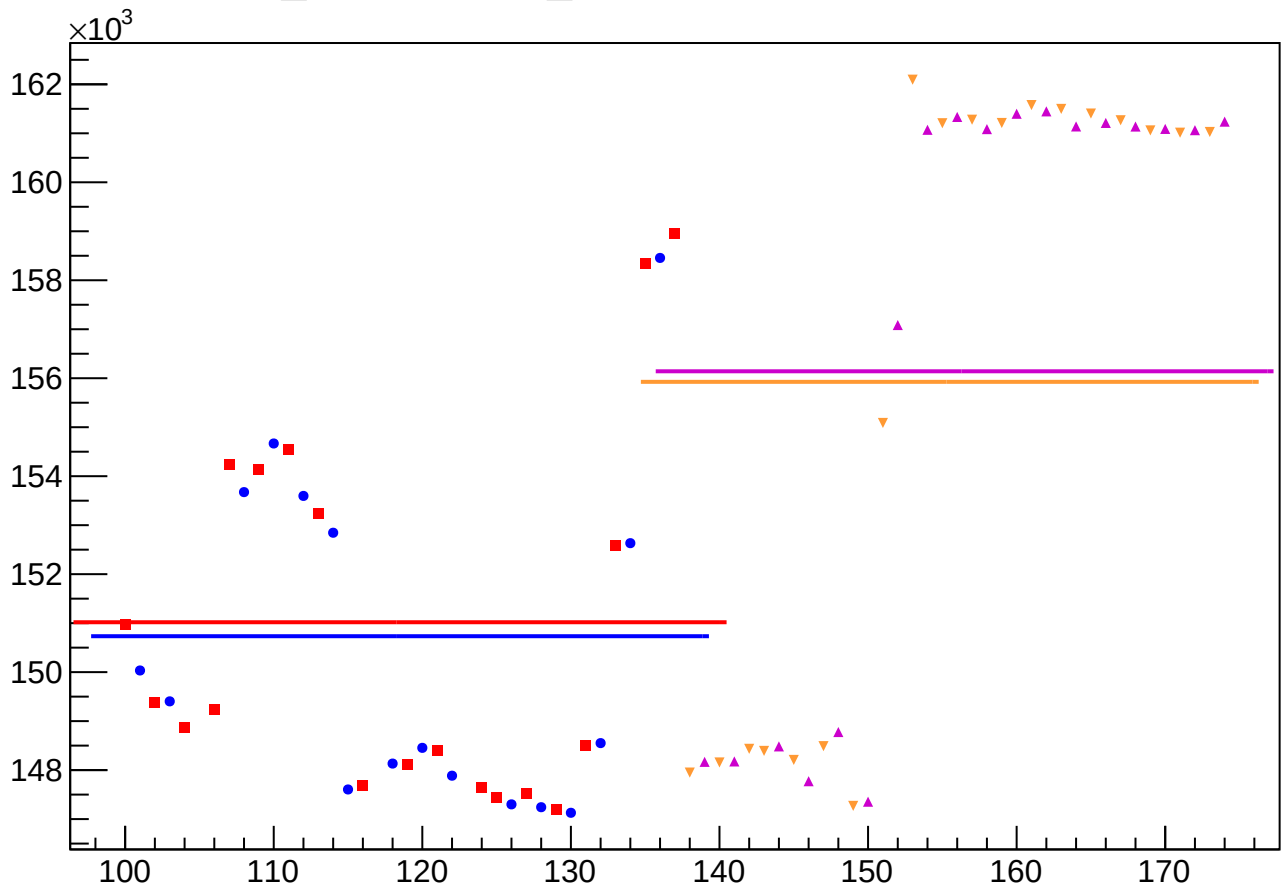
Left: 207.626+/-0.027 χ^2/NDF: 755063.7/36

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 198.884+/-0.031 χ^2/NDF:1490201.3/33

Out: 191.153+/-0.030 χ^2/NDF:1838470.6/37

All: 194.846+/-0.021 χ^2/NDF: 3361111.9/71



Right In: 150733.301+/-0.063 χ^2/NDF: 3283848751.0/15

Left Out: 155926.278+/-0.052 χ^2/NDF:14511220001.4/18

Right Out: 151018.500+/-0.060 χ^2/NDF: 3286131878.7/18

Left In: 156141.529+/-0.054 χ^2/NDF:12993741629.5/17

Left: 156030.455+/-0.038 χ^2/NDF: 27513162200.6

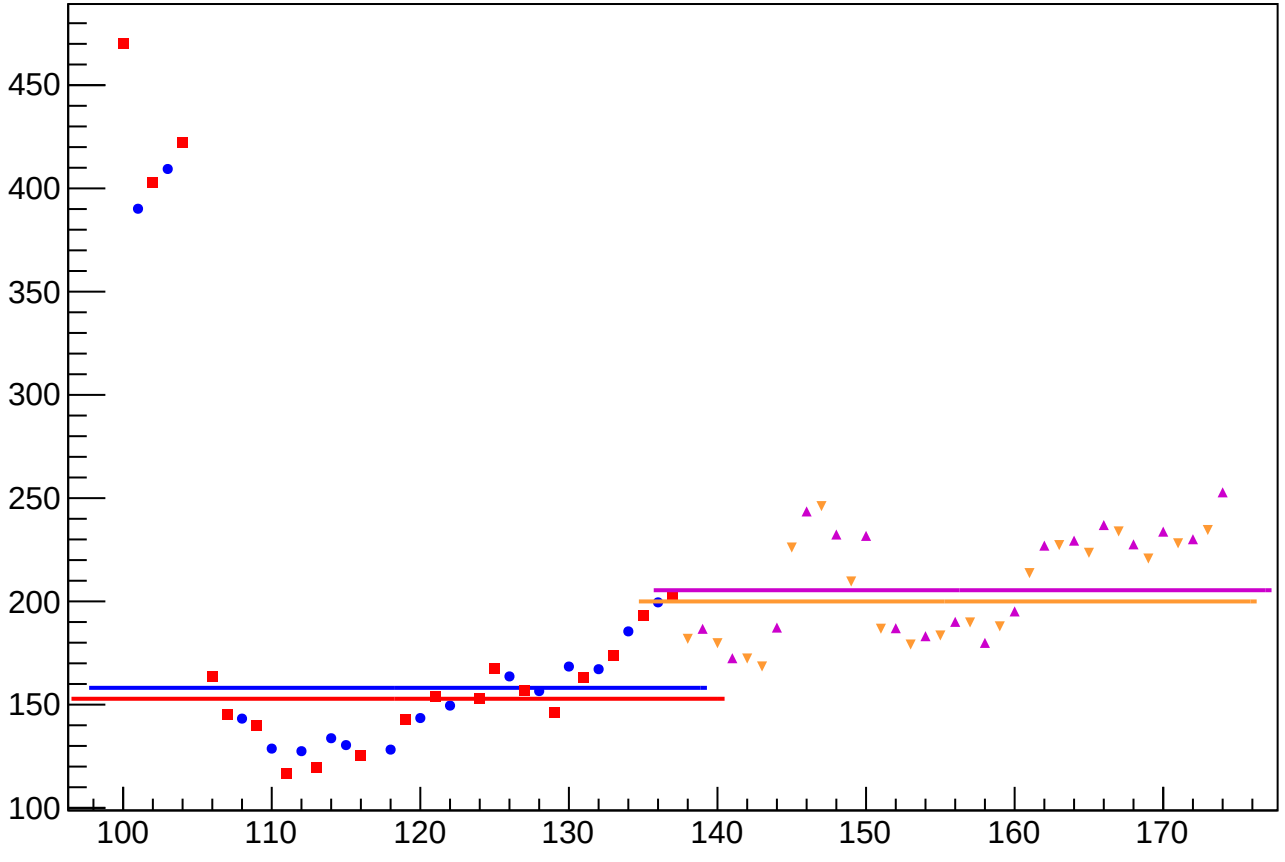
Right: 150882.491+/-0.043 χ^2/NDF: 6580735457.3/

In: 153846.961+/-0.041 χ^2/NDF:20533995862.1/3

Out: 153809.913+/-0.039 χ^2/NDF:21595753074.7

All: 153827.731+/-0.028 χ^2/NDF: 42130173

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.138+/-0.044 χ^2/NDF: 1195699.5/15

Left Out: 199.975+/-0.037 χ^2/NDF:401813.2/18

Right Out: 152.841+/-0.042 χ^2/NDF: 1264236.1/18

Left In: 205.405+/-0.038 χ^2/NDF:443312.1/17

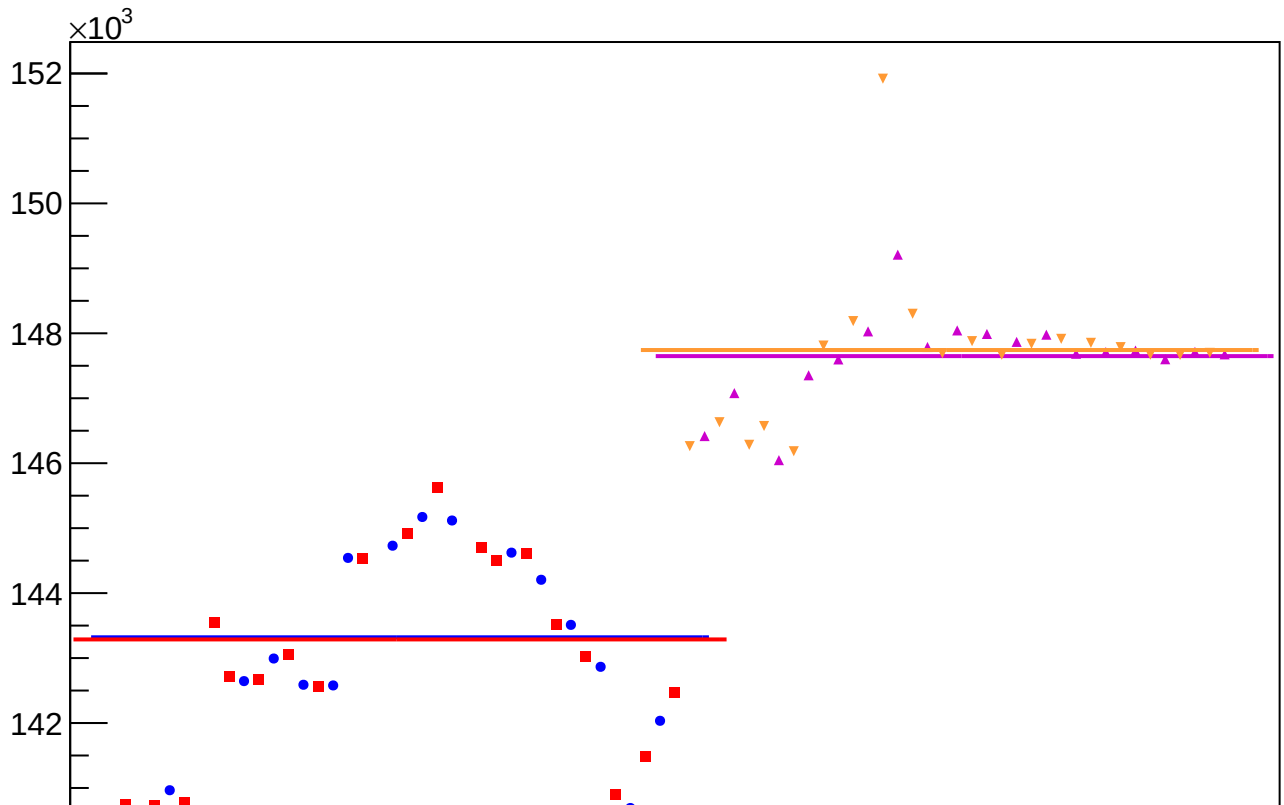
Left: 202.603+/-0.027 χ^2/NDF: 855562.3/36

Right: 155.367+/-0.031 χ^2/NDF: 2467354.6/34

In: 185.351+/-0.029 χ^2/NDF:2289274.0/33

Out: 179.650+/-0.028 χ^2/NDF:2366752.7/37

All: 182.392+/-0.020 χ^2/NDF: 4676128.6/71



Right In: 143319.651+/-0.053 χ^2/NDF: 559301530.7/15

Left Out: 147742.472+/-0.049 χ^2/NDF:670745716.1/18

Right Out: 143286.960+/-0.050 χ^2/NDF: 620521577.8/18

Left In: 147648.798+/-0.050 χ^2/NDF:199577342.3/17

Left: 147696.975+/-0.035 χ^2/NDF: 872113777.4/36

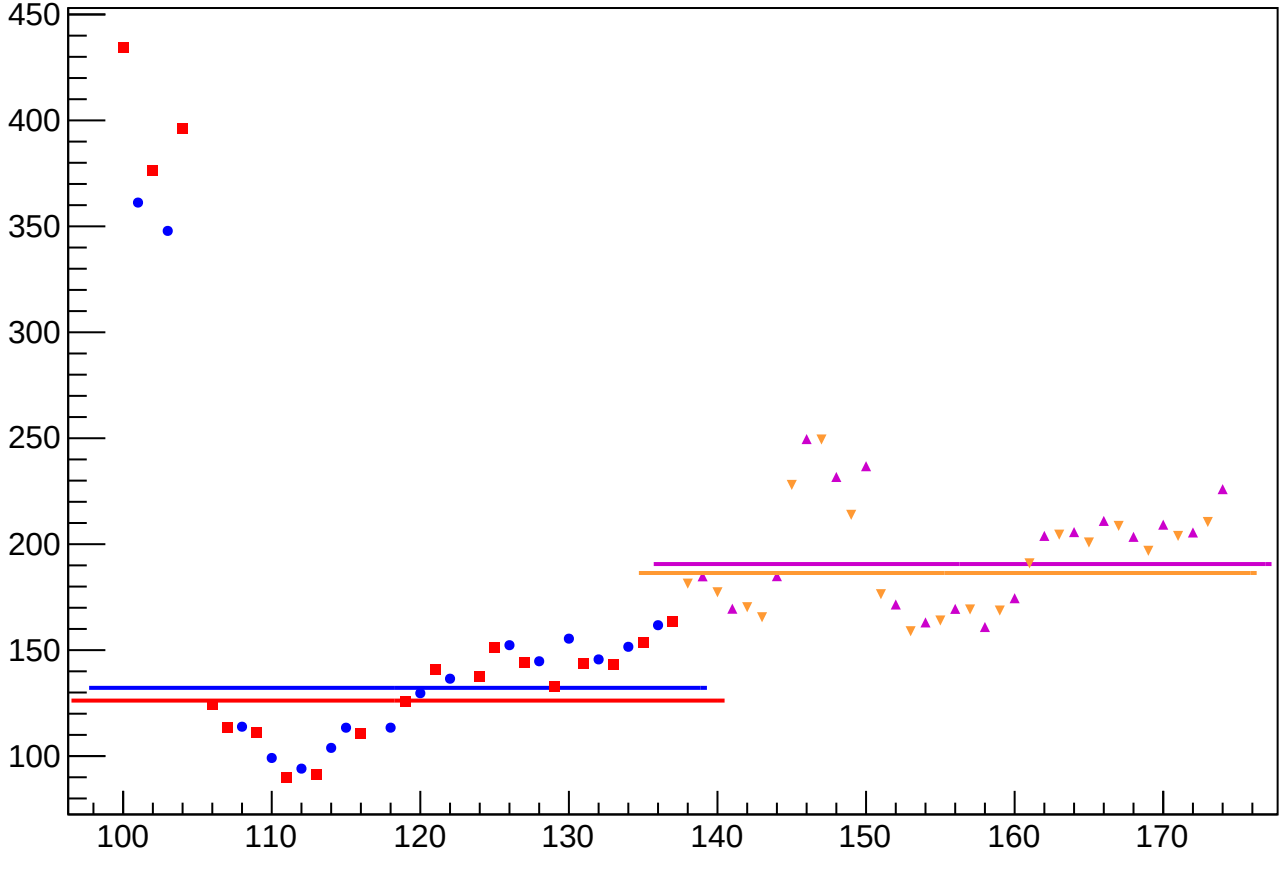
Right: 143302.220+/-0.036 χ^2/NDF: 1180025024.1/

In: 145606.615+/-0.036 χ^2/NDF:4267006016.3/33

Out: 145556.413+/-0.035 χ^2/NDF:5383747777.3/3

All: 145580.339+/-0.025 χ^2/NDF: 96517445

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.204+/-0.038 χ^2/NDF: 1379168.6/15

Left Out: 186.406+/-0.034 χ^2/NDF:418135.5/18

Right Out: 126.191+/-0.035 χ^2/NDF: 1545034.5/18

Left In: 190.629+/-0.035 χ^2/NDF:508770.9/17

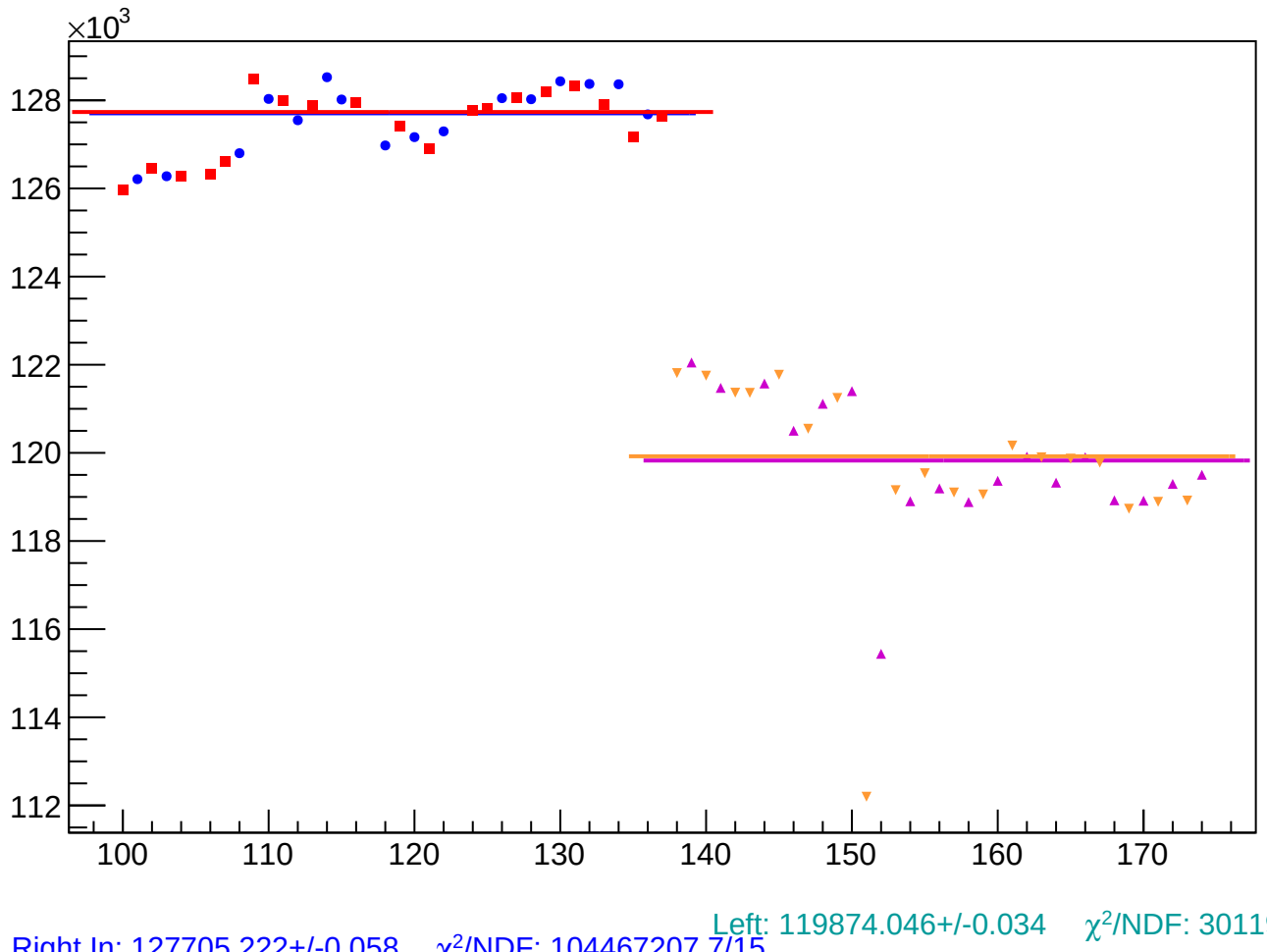
Left: 188.457+/-0.025 χ^2/NDF: 934186.3/36

Right: 128.998+/-0.026 χ^2/NDF: 2937865.2/34

In: 163.068+/-0.026 χ^2/NDF:3165845.8/33

Out: 156.862+/-0.025 χ^2/NDF:3458124.7/37

All: 159.820+/-0.018 χ^2/NDF: 6654258.0/71



Right In: 127705.222+/-0.058 χ^2/NDF: 104467207.7/15

Left Out: 119922.571+/-0.049 χ^2/NDF:1820582292.7/18

Right Out: 127734.542+/-0.055 χ^2/NDF: 109469333.8/18

Left In: 119826.034+/-0.048 χ^2/NDF:1189374311.6/17

Left: 119874.046+/-0.034 χ^2/NDF: 3011939786.9/3

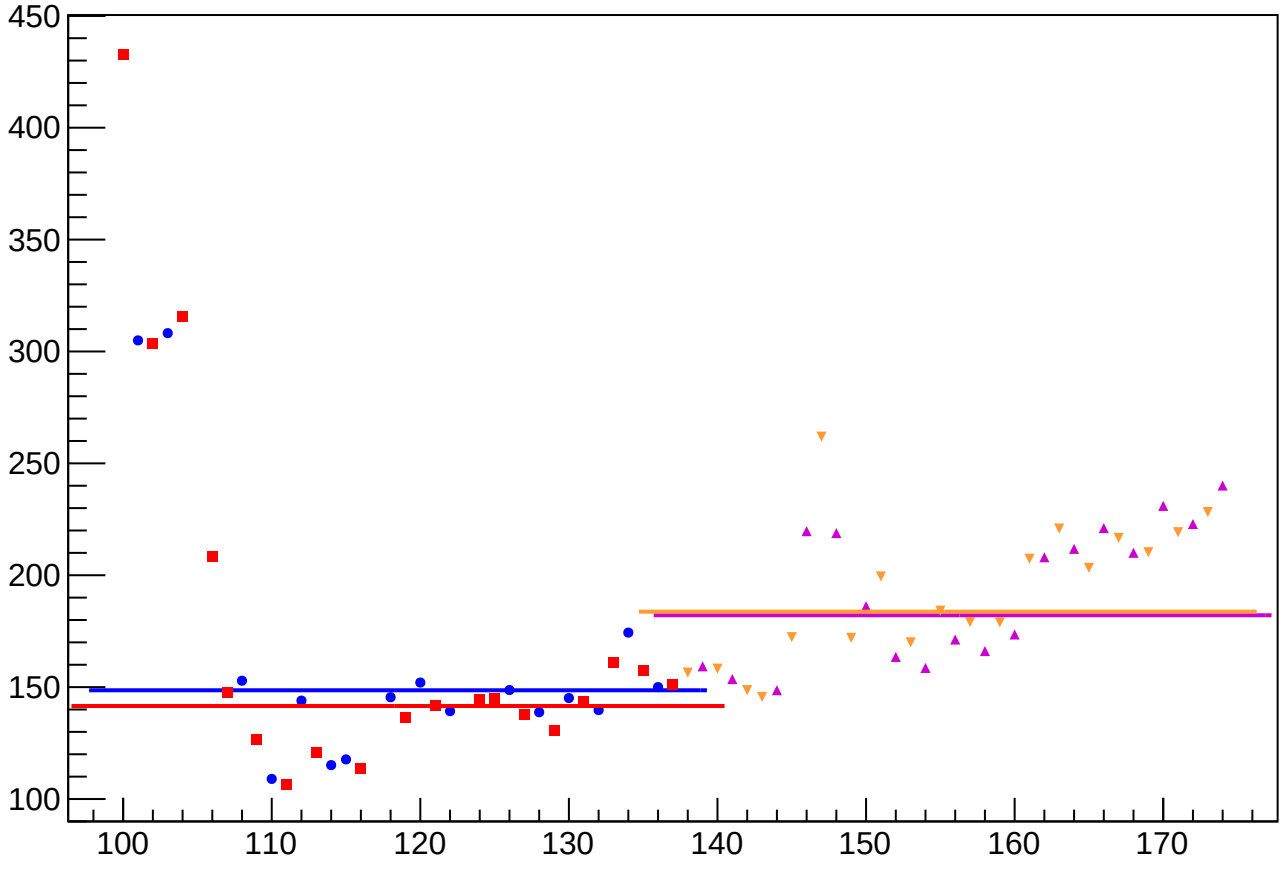
Right: 127720.787+/-0.040 χ^2/NDF: 214070280.4/3

In: 123028.783+/-0.037 χ^2/NDF:12091514618.8/3

Out: 123353.970+/-0.036 χ^2/NDF:13278540255.5

All: 123195.128+/-0.026 χ^2/NDF: 25409051

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 148.593+/-0.041 χ^2/NDF: 827701.4/15

Left Out: 183.723+/-0.034 χ^2/NDF:664765.3/18

Right Out: 141.563+/-0.039 χ^2/NDF: 1001225.3/18

Left In: 182.118+/-0.034 χ^2/NDF:703098.1/17

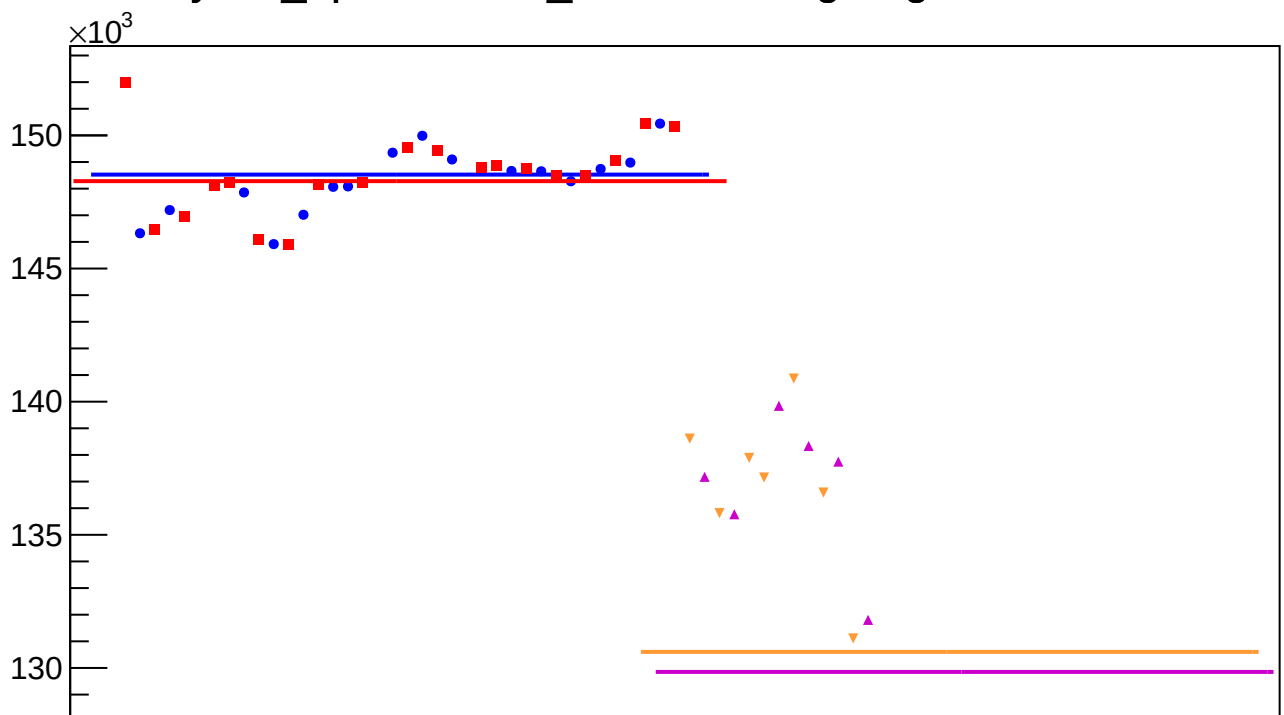
Left: 182.916+/-0.024 χ^2/NDF: 1368960.1/36

Right: 144.861+/-0.028 χ^2/NDF: 1844303.5/34

In: 168.491+/-0.026 χ^2/NDF:1921757.3/33

Out: 165.204+/-0.026 χ^2/NDF:2327062.5/37

All: 166.810+/-0.018 χ^2/NDF: 4256785.0/71



Right In: 148527.678+/-0.082 χ^2/NDF: 209208133.0/15

Left Out: 130603.687+/-0.070 χ^2/NDF:5975001763.3/18

Right Out: 148282.003+/-0.077 χ^2/NDF: 294673557.8/18

Left In: 129851.157+/-0.070 χ^2/NDF:6209582641.2/17

Left: 130226.268+/-0.050 χ^2/NDF: 12242227233.4

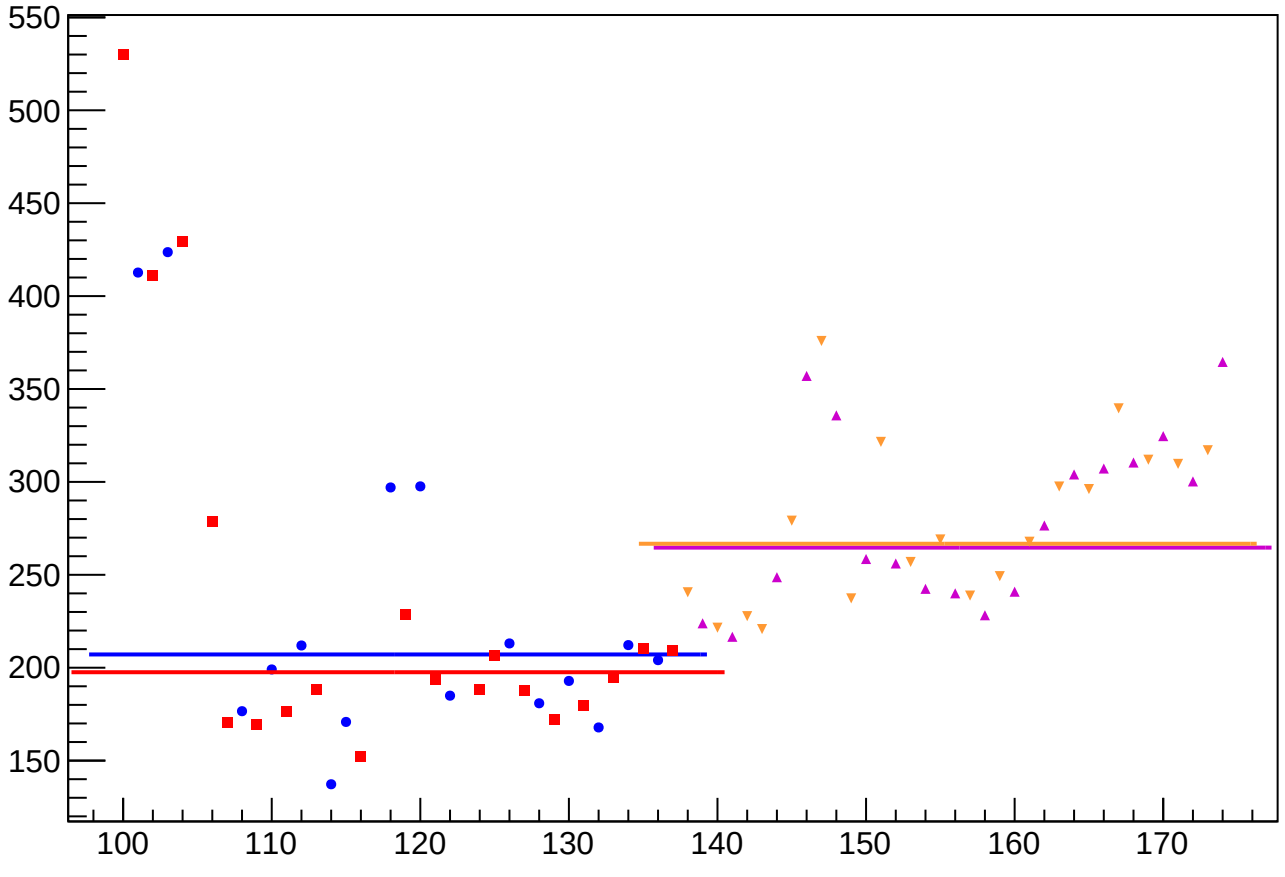
Right: 148396.583+/-0.056 χ^2/NDF: 508678498.1/3

In: 137728.028+/-0.053 χ^2/NDF:36459603675.9/3

Out: 138672.268+/-0.052 χ^2/NDF:35218767520.5

All: 138213.286+/-0.037 χ^2/NDF: 71840180

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 207.135+/-0.058 χ^2/NDF: 972216.9/15

Left Out: 266.718+/-0.050 χ^2/NDF:633513.2/18

Right Out: 197.571+/-0.054 χ^2/NDF: 903999.3/18

Left In: 264.633+/-0.049 χ^2/NDF:719786.3/17

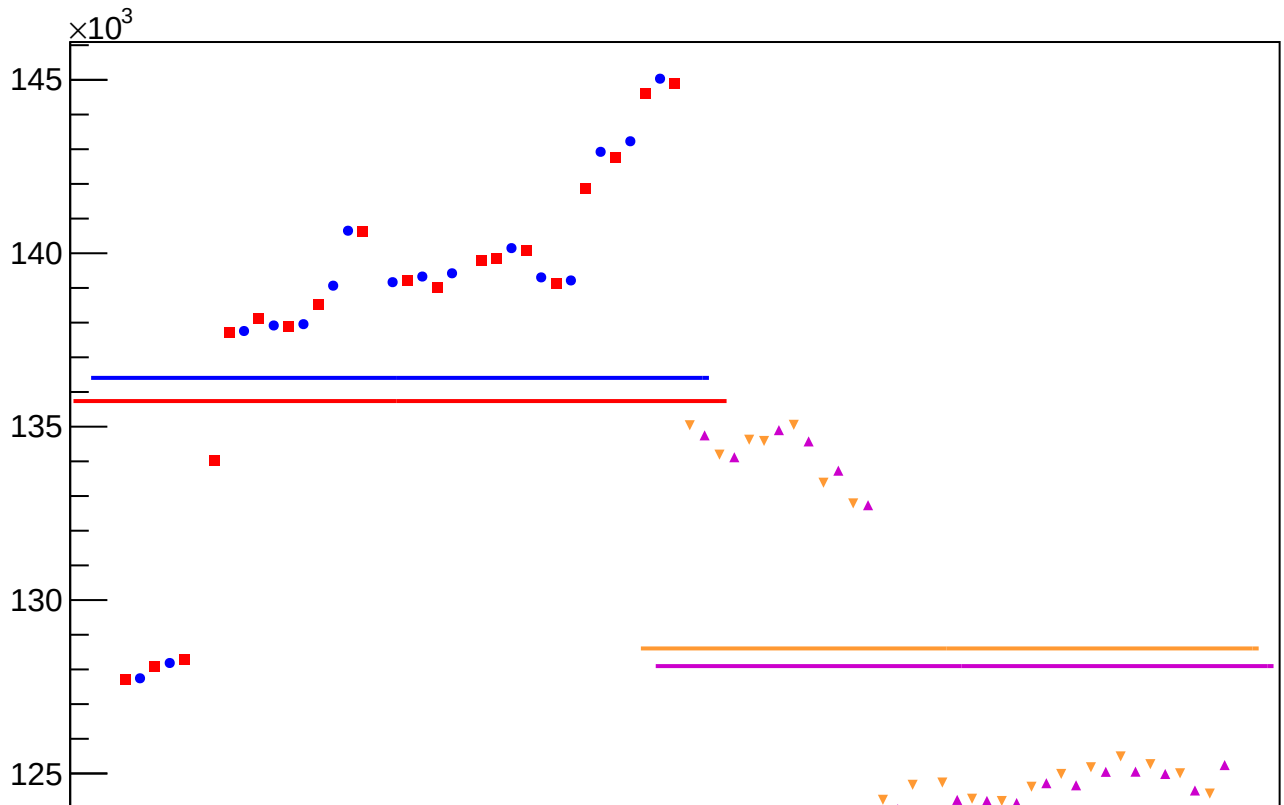
Left: 265.673+/-0.035 χ^2/NDF: 1354184.4/36

Right: 202.032+/-0.040 χ^2/NDF: 1890755.2/34

In: 240.383+/-0.038 χ^2/NDF:2261458.9/33

Out: 235.159+/-0.037 χ^2/NDF:2423303.4/37

All: 237.698+/-0.026 χ^2/NDF: 4694670.0/71



Right In: 136406.923+/-0.169 χ^2/NDF: 1577071044.7/15

Left Out: 128605.301+/-0.154 χ^2/NDF:949877380.8/18

Right Out: 135738.412+/-0.177 χ^2/NDF: 1174123878.0/18

Left In: 128096.170+/-0.160 χ^2/NDF:860471879.8/17

Left: 128361.012+/-0.111 χ^2/NDF: 1815600286.0/3

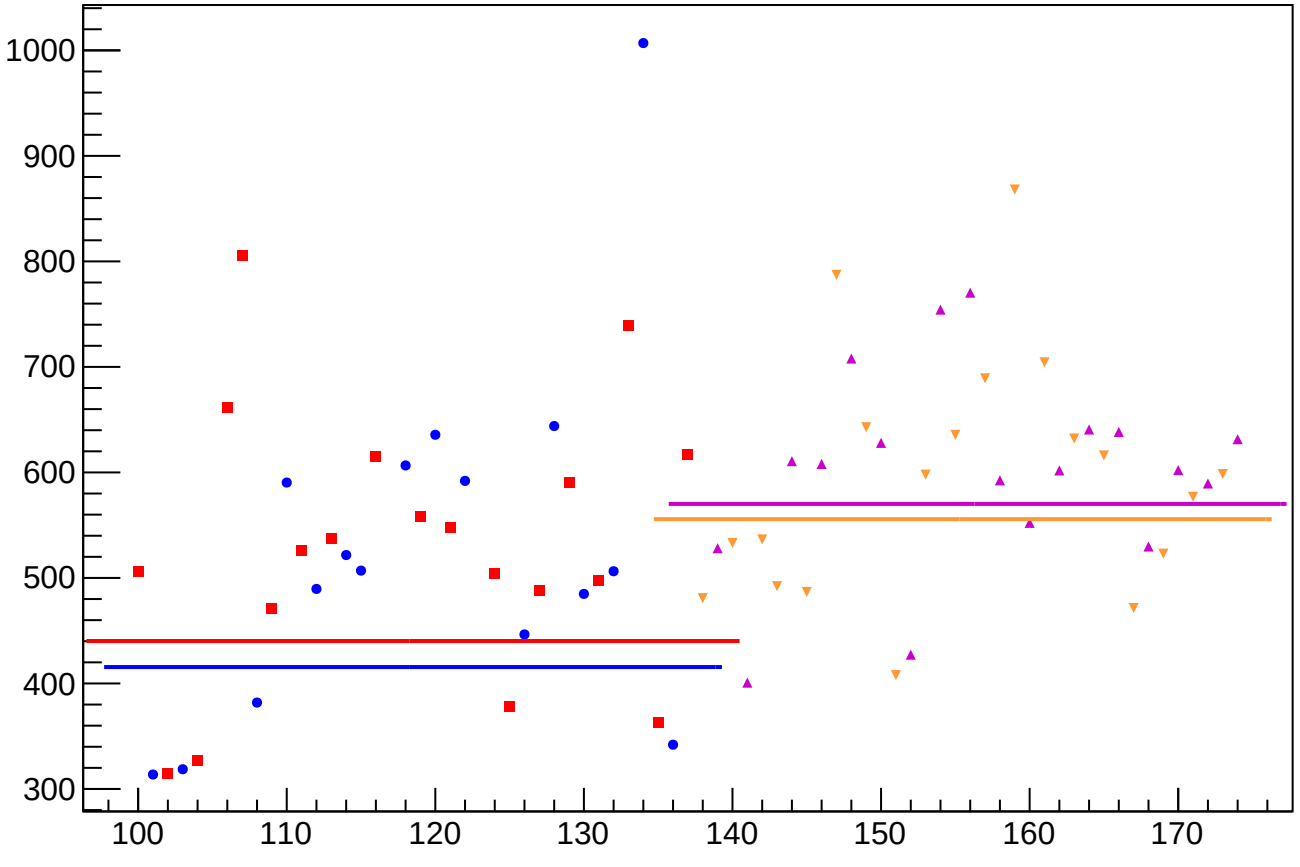
Right: 136088.335+/-0.122 χ^2/NDF: 2758689484.9/

In: 132041.134+/-0.116 χ^2/NDF:3714310750.3/33

Out: 131682.851+/-0.116 χ^2/NDF:3050822325.0/3

All: 131861.841+/-0.082 χ^2/NDF: 676989513

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 415.547+/-0.119 χ^2/NDF: 1031600.7/15

Left Out: 555.730+/-0.109 χ^2/NDF:864055.3/18

Right Out: 440.218+/-0.125 χ^2/NDF: 910790.1/18

Left In: 570.155+/-0.113 χ^2/NDF:744735.1/17

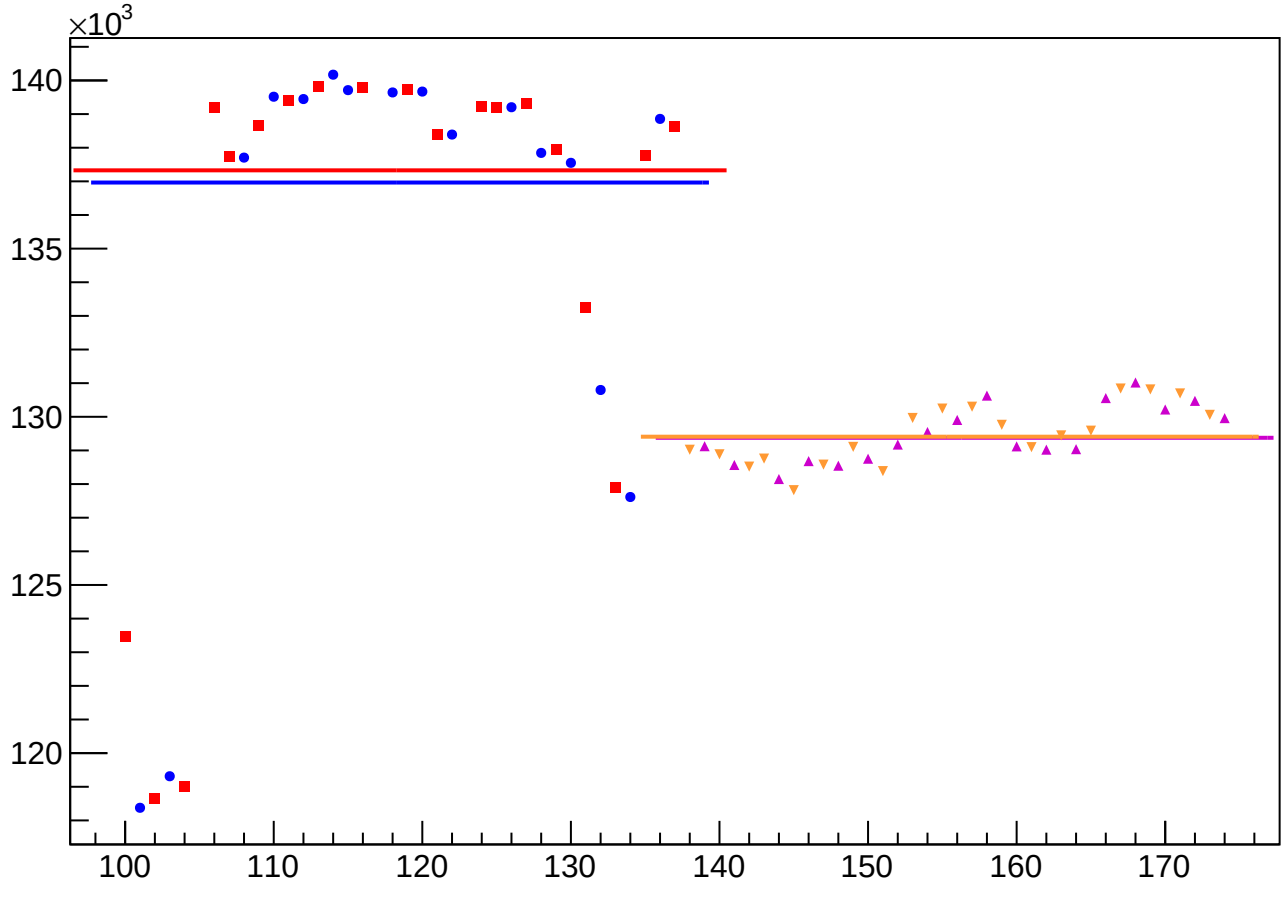
Left: 562.651+/-0.078 χ^2/NDF: 1617220.2/36

Right: 427.304+/-0.086 χ^2/NDF: 1962803.8/34

In: 496.765+/-0.082 χ^2/NDF:2660067.4/33

Out: 505.893+/-0.082 χ^2/NDF:2260944.5/37

All: 501.333+/-0.058 χ^2/NDF: 4927193.0/71



Right In: 136964.958+/-0.070 χ^2/NDF: 5807770301.4/15

Left Out: 129408.271+/-0.051 χ^2/NDF:272926447.3/18

Right Out: 137327.469+/-0.066 χ^2/NDF: 5737745895.7/18

Left In: 129375.702+/-0.052 χ^2/NDF:248899558.9/17

Left: 129392.199+/-0.037 χ^2/NDF: 522024823.5/36

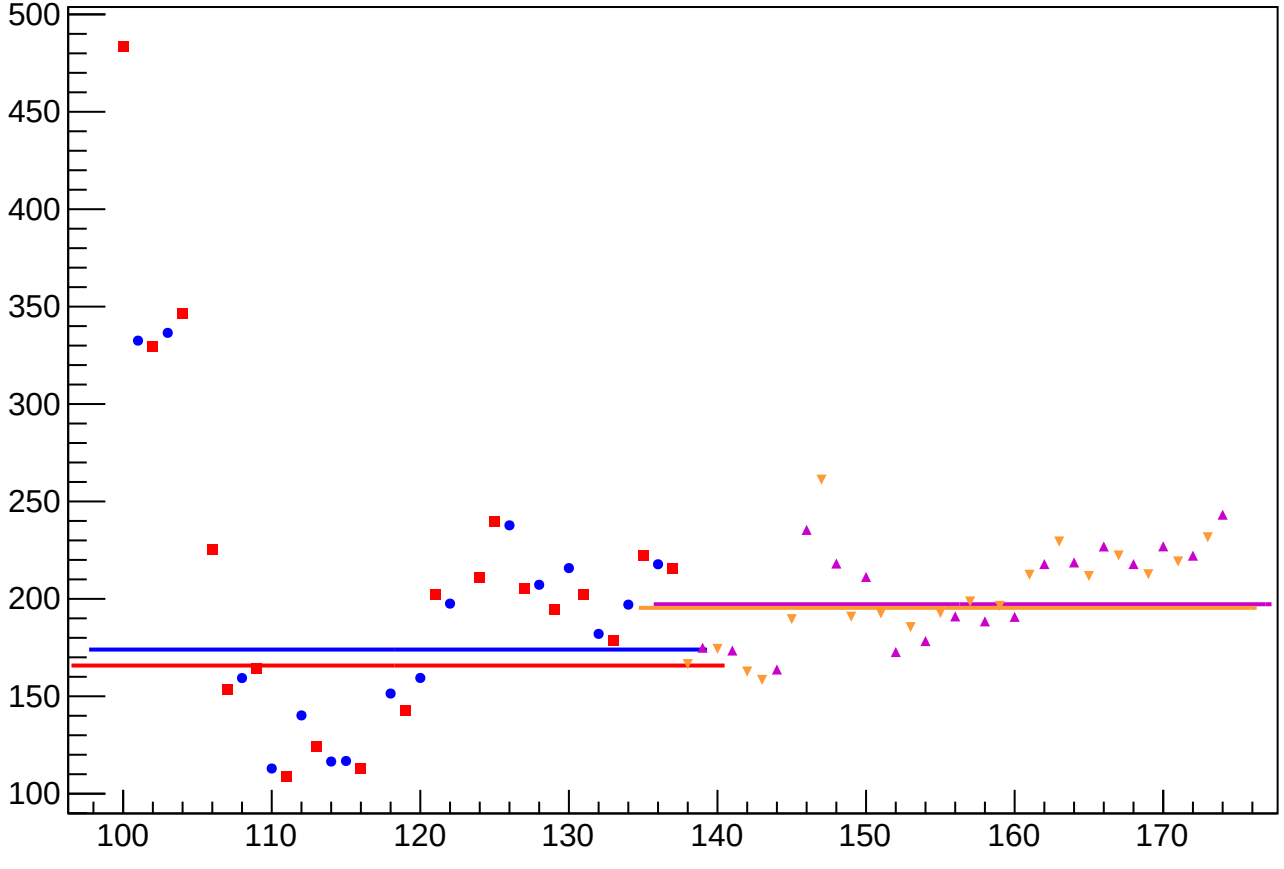
Right: 137157.181+/-0.048 χ^2/NDF: 1155984872

In: 132086.950+/-0.042 χ^2/NDF:13671068264.3/3

Out: 132412.701+/-0.040 χ^2/NDF:15047201997.4

All: 132254.796+/-0.029 χ^2/NDF: 28749749

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 173.982+/-0.049 χ^2/NDF: 1188493.1/15

Left Out: 195.388+/-0.036 χ^2/NDF:446709.6/18

Right Out: 165.780+/-0.046 χ^2/NDF: 1433162.4/18

Left In: 197.239+/-0.037 χ^2/NDF:431713.8/17

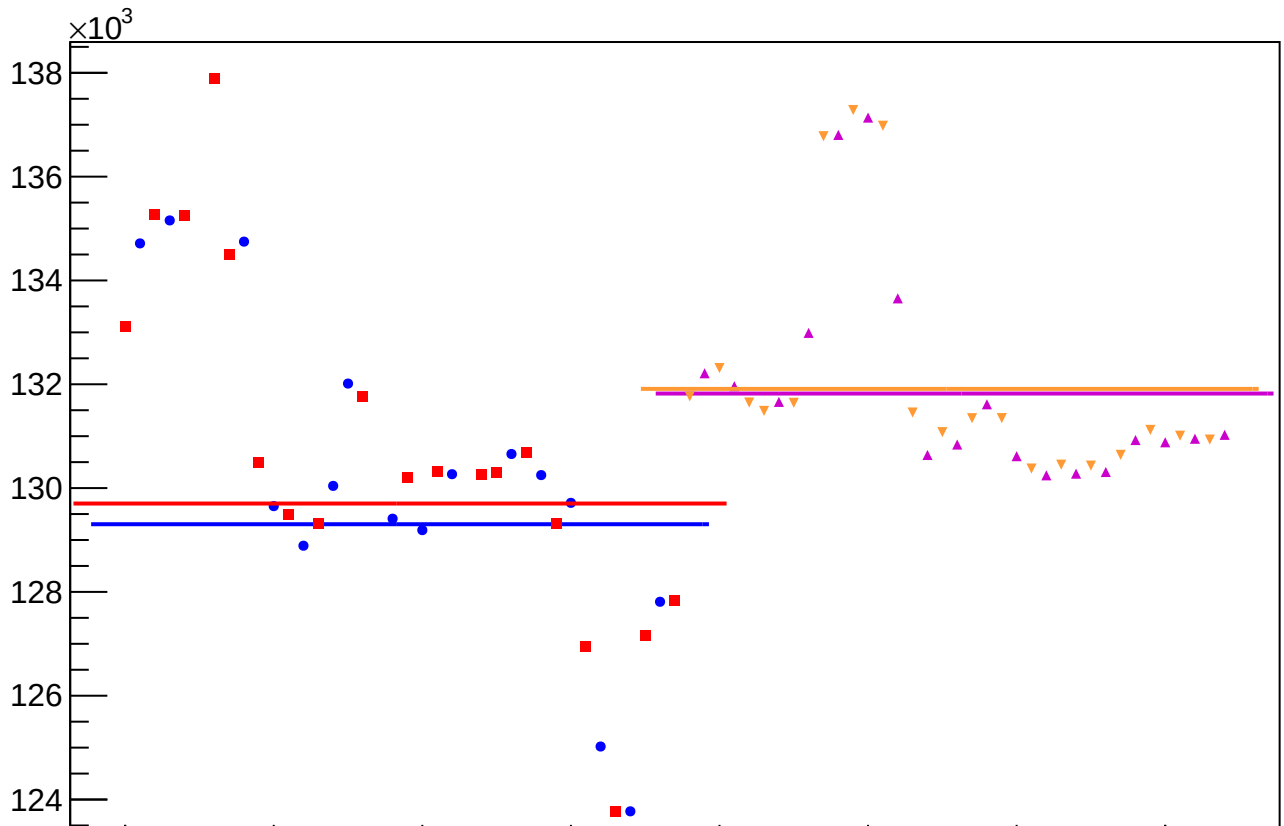
Left: 196.302+/-0.026 χ^2/NDF: 879707.9/36

Right: 169.633+/-0.034 χ^2/NDF: 2636327.1/34

In: 188.930+/-0.029 χ^2/NDF:1763224.5/33

Out: 184.155+/-0.029 χ^2/NDF:2132497.5/37

All: 186.470+/-0.021 χ^2/NDF: 3909250.5/71



Right In: 129303.894+/-0.066 χ^2/NDF: 1650235360.7/15

Left Out: 131911.286+/-0.051 χ^2/NDF:1342812624.9/18

Right Out: 129702.568+/-0.062 χ^2/NDF: 1777723481.2/18

Left In: 131821.639+/-0.052 χ^2/NDF:1090587229.8/17

Left: 131866.900+/-0.036 χ^2/NDF: 2434908829.2/3

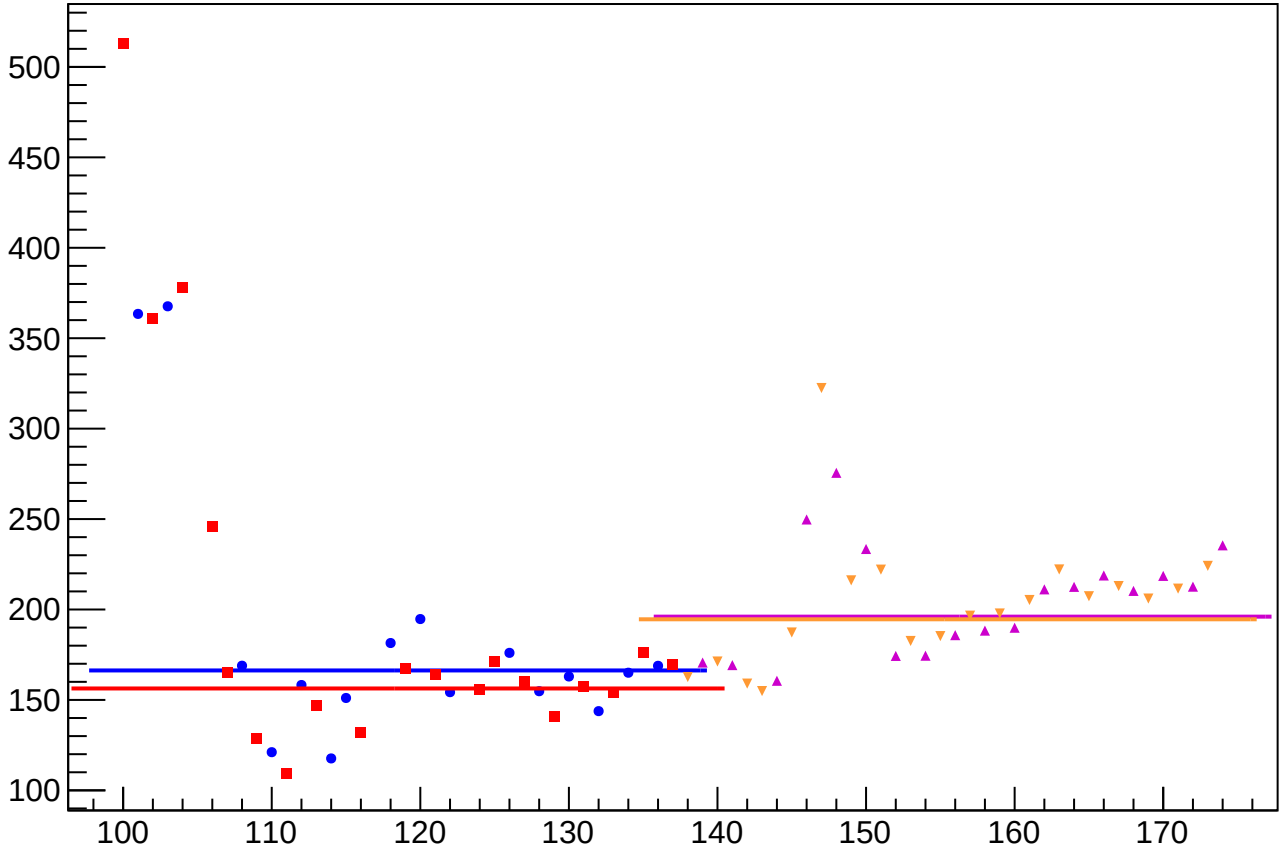
Right: 129517.750+/-0.045 χ^2/NDF: 3447412906.7/

In: 130864.272+/-0.041 χ^2/NDF:3637244648.1/33

Out: 131004.718+/-0.039 χ^2/NDF:3879899765.5/3

All: 130936.935+/-0.028 χ^2/NDF: 75232682

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 166.302+/-0.047 χ^2/NDF: 937947.6/15

Left Out: 194.583+/-0.036 χ^2/NDF:633546.9/18

Right Out: 156.334+/-0.044 χ^2/NDF: 1172834.9/18

Left In: 196.050+/-0.037 χ^2/NDF:598321.1/17

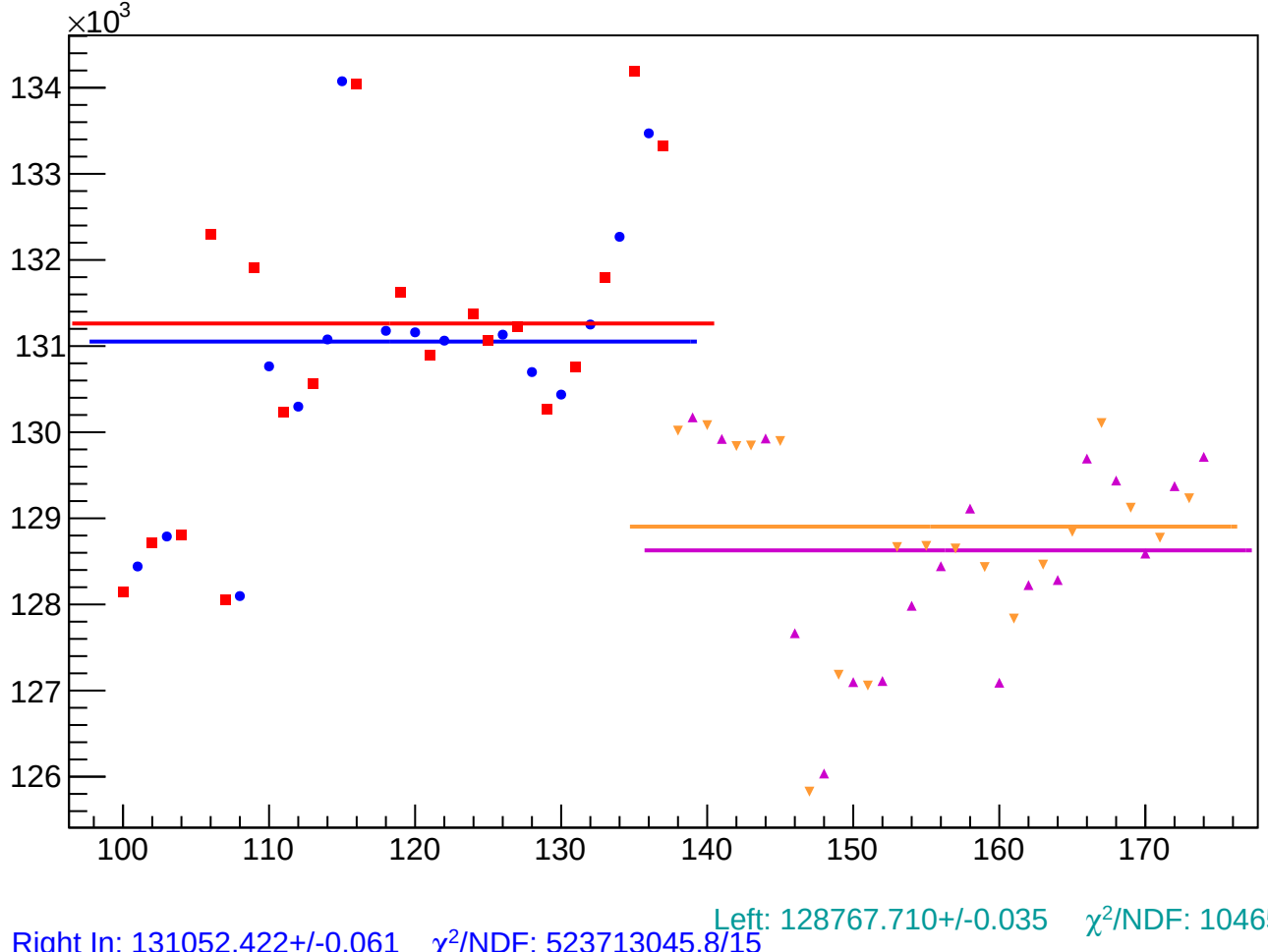
Left: 195.310+/-0.026 χ^2/NDF: 1232676.2/36

Right: 160.955+/-0.032 χ^2/NDF: 2135107.2/34

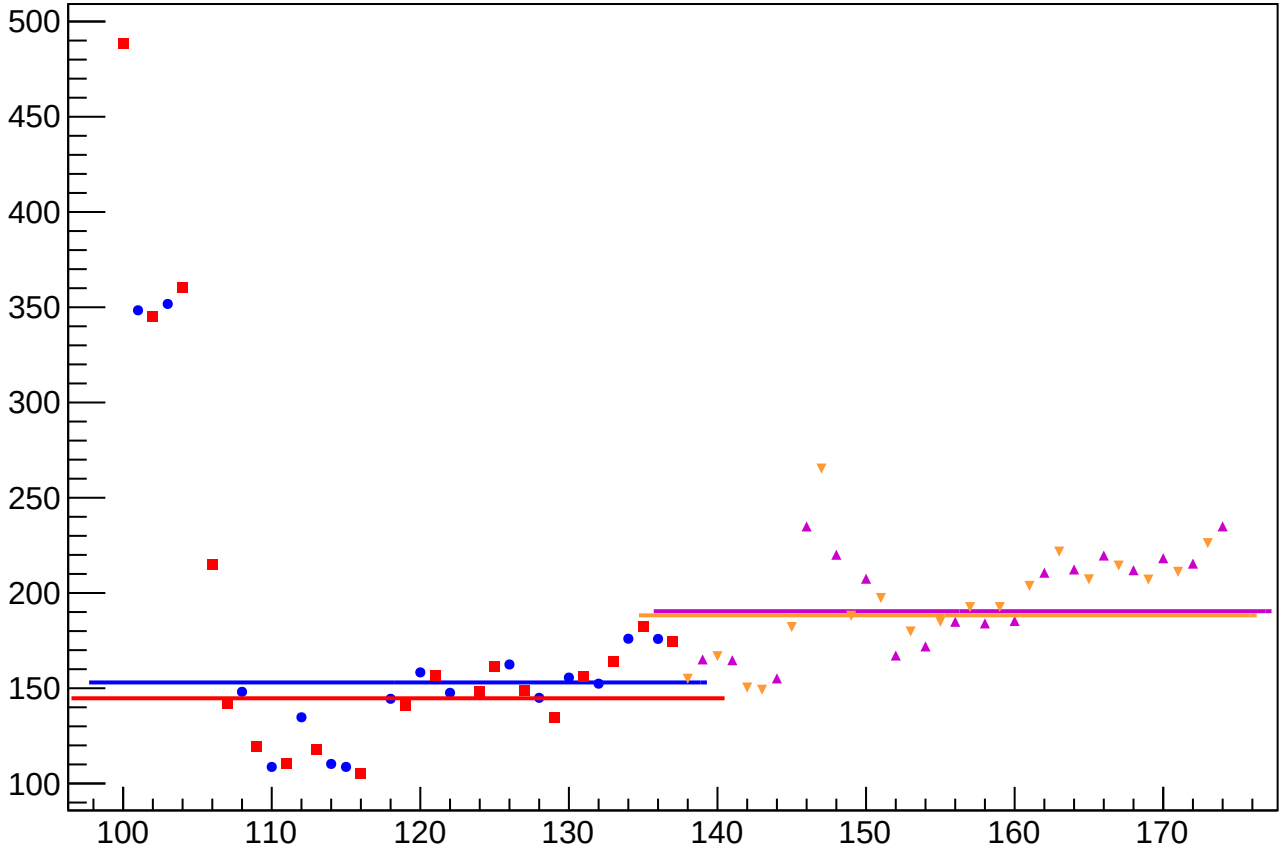
In: 184.739+/-0.029 χ^2/NDF:1786550.6/33

Out: 178.884+/-0.028 χ^2/NDF:2261833.3/37

All: 181.710+/-0.020 χ^2/NDF: 4069668.1/71


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
134
133
132
131
130
129
128
127
126
100
110
120
130
140
150
160
170
Right In: 131052.422+/-0.061 χ²/NDF: 523713045.8/15
Left Out: 128903.734+/-0.050 χ²/NDF:465143727.9/18
Right Out: 131262.232+/-0.057 χ²/NDF: 604278186.1/18
Left In: 128627.762+/-0.050 χ²/NDF:566136918.3/17
Left: 128767.710+/-0.035 χ²/NDF: 1046578176.0/3
Right: 131164.431+/-0.041 χ²/NDF: 1134382049.3/
In: 129614.795+/-0.039 χ²/NDF:2037773203.4/33
Out: 129925.418+/-0.037 χ²/NDF:2051372923.2/3
All: 129775.809+/-0.027 χ²/NDF: 41225571

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 153.043+/-0.043 χ^2/NDF: 1059470.3/15

Left Out: 188.265+/-0.035 χ^2/NDF:565137.8/18

Right Out: 144.731+/-0.040 χ^2/NDF: 1263423.6/18

Left In: 190.445+/-0.036 χ^2/NDF:508154.4/17

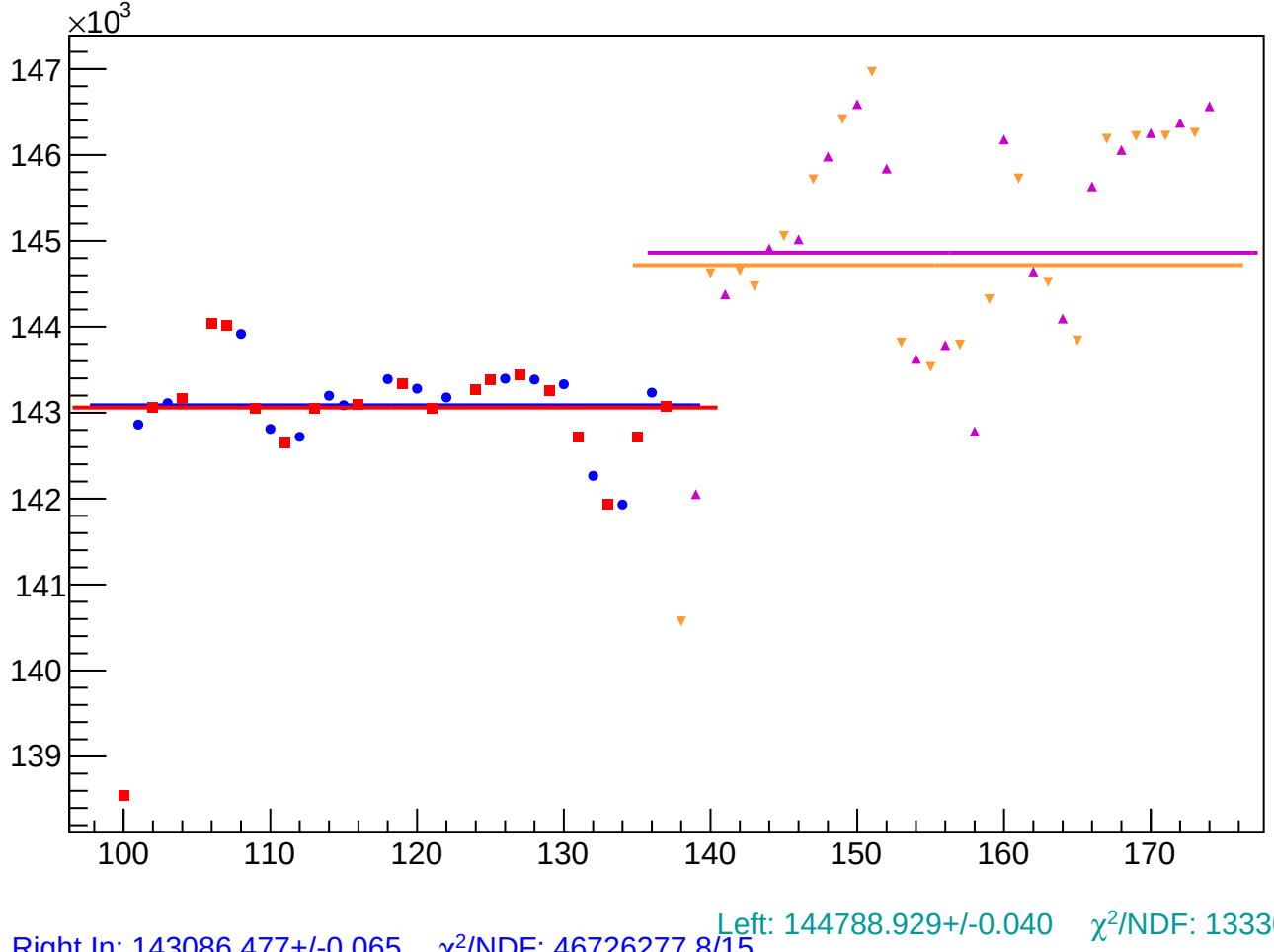
Left: 189.340+/-0.025 χ^2/NDF: 1075202.5/36

Right: 148.605+/-0.029 χ^2/NDF: 2342954.4/34

In: 175.219+/-0.027 χ^2/NDF:2018762.5/33

Out: 169.406+/-0.026 χ^2/NDF:2497687.9/37

All: 172.206+/-0.019 χ^2/NDF: 4539855.0/71



Right In: 143086.477+/-0.065 χ^2/NDF: 46726277.8/15

Left Out: 144716.944+/-0.057 χ^2/NDF:750358353.1/18

Right Out: 143060.268+/-0.061 χ^2/NDF: 51715744.7/18

Left In: 144861.884+/-0.057 χ^2/NDF:580108311.0/17

Left: 144788.929+/-0.040 χ^2/NDF: 1333672107.0/3

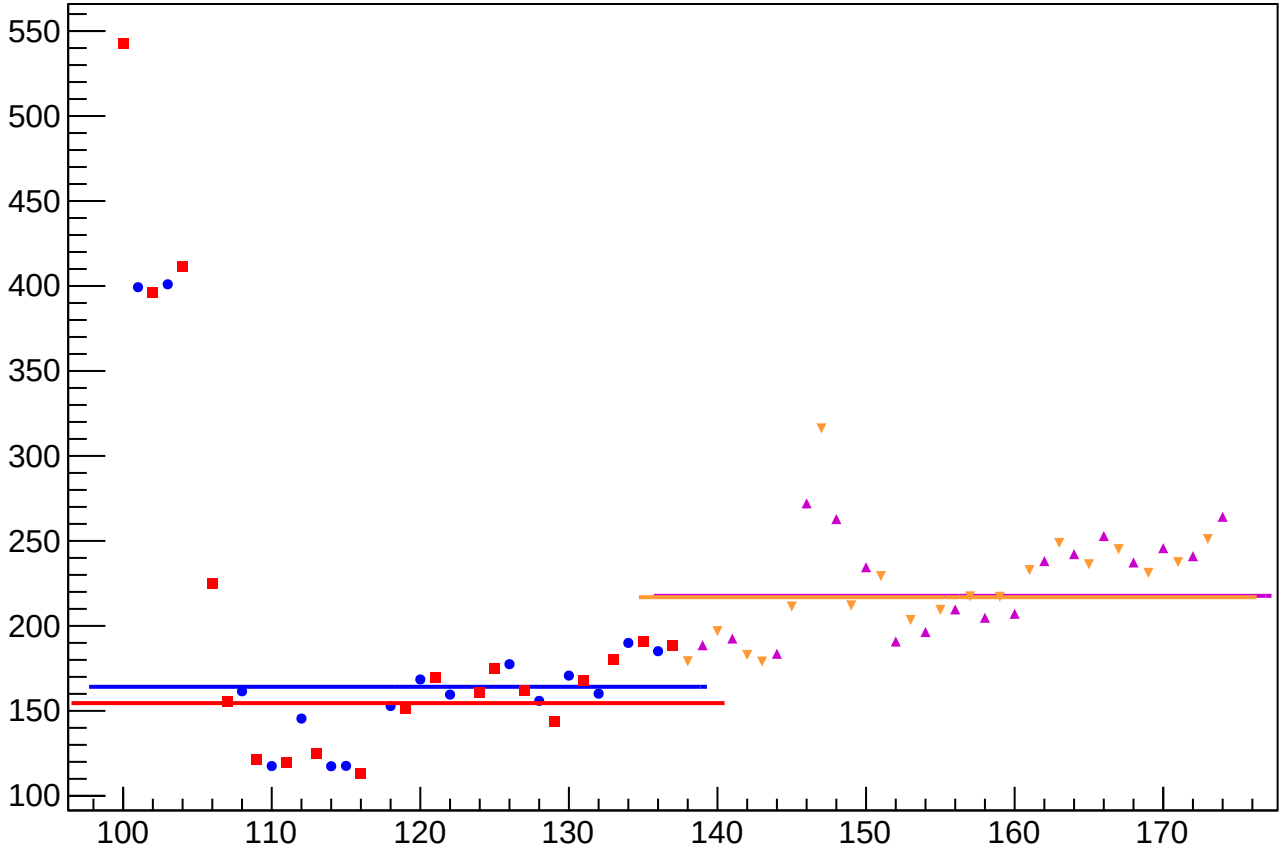
Right: 143072.451+/-0.044 χ^2/NDF: 98528807.3/34

In: 144084.579+/-0.043 χ^2/NDF:1045178611.7/33

Out: 143939.269+/-0.042 χ^2/NDF:1197885478.7/3

All: 144009.338+/-0.030 χ^2/NDF: 22489595

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 164.167+/-0.046 χ^2/NDF: 1129764.4/15

Left Out: 216.882+/-0.040 χ^2/NDF:470567.8/18

Right Out: 154.558+/-0.043 χ^2/NDF: 1366830.5/18

Left In: 217.686+/-0.041 χ^2/NDF:469118.7/17

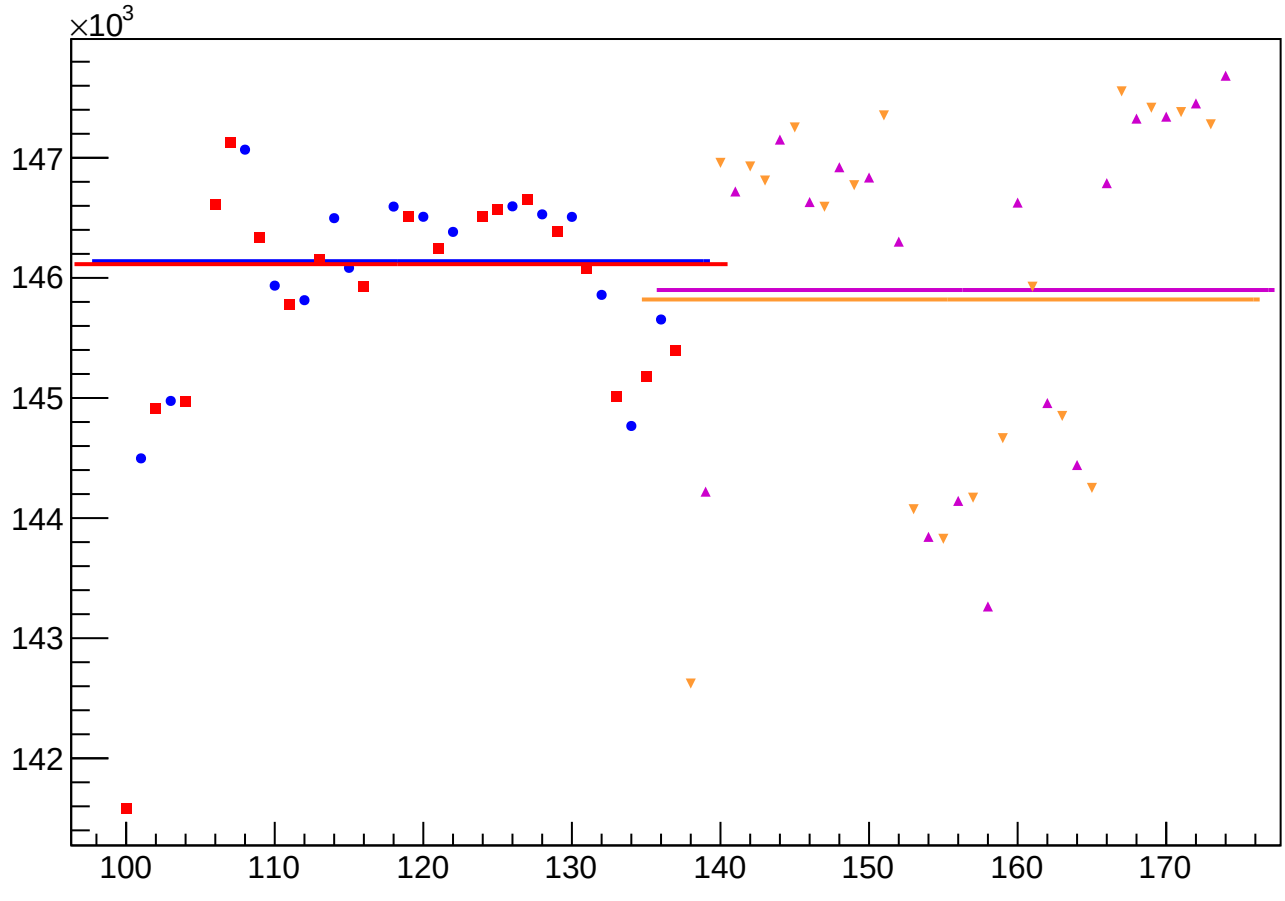
Left: 217.281+/-0.029 χ^2/NDF: 939883.8/36

Right: 159.024+/-0.031 χ^2/NDF: 2519924.8/34

In: 194.254+/-0.030 χ^2/NDF:2359183.9/33

Out: 187.626+/-0.029 χ^2/NDF:2957738.9/37

All: 190.822+/-0.021 χ^2/NDF: 5341457.2/71



Right In: 146139.237+/-0.067 χ^2/NDF: 71721843.8/15

Left Out: 145820.288+/-0.057 χ^2/NDF:781778682.9/18

Right Out: 146114.458+/-0.062 χ^2/NDF: 73102068.4/18

Left In: 145899.153+/-0.057 χ^2/NDF:637544481.4/17

Left: 145859.242+/-0.040 χ^2/NDF: 1420277957.3/3

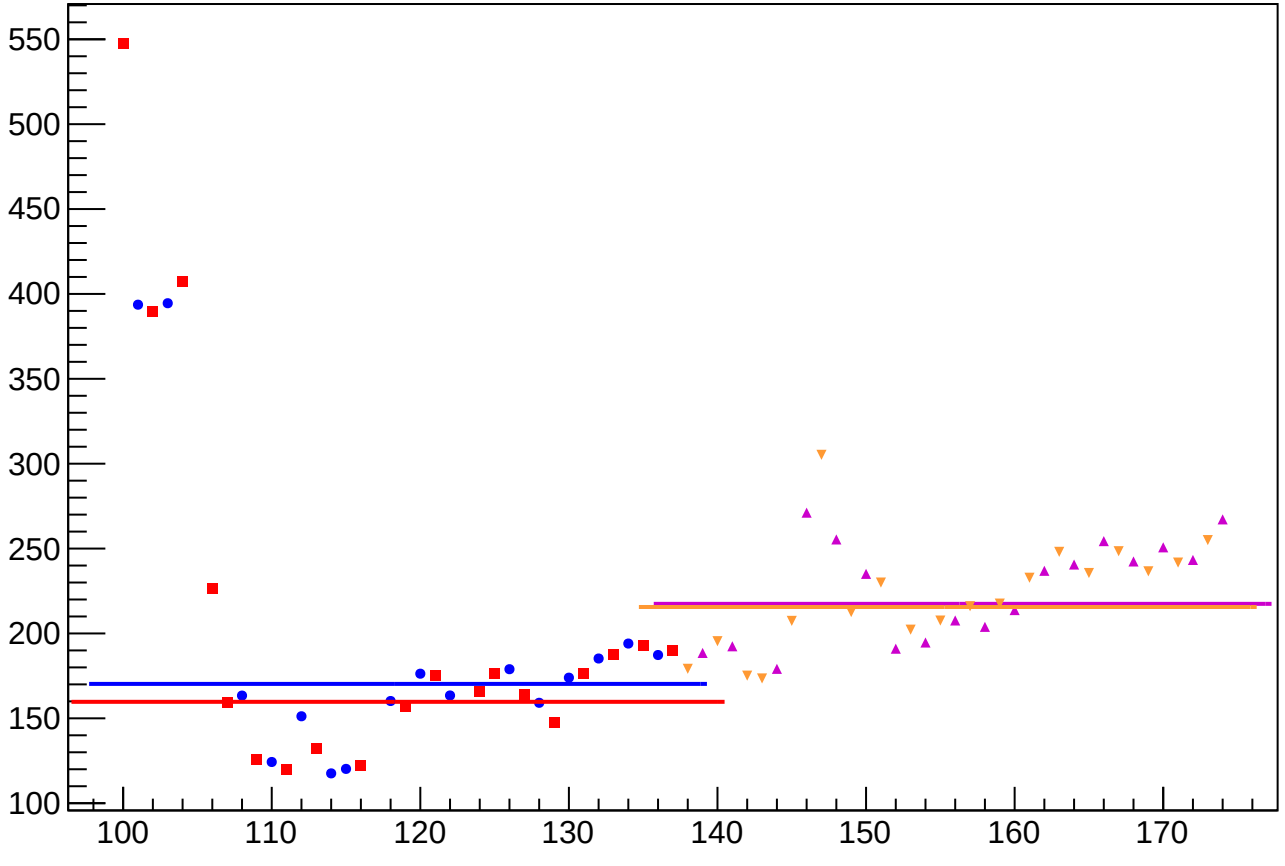
Right: 146125.912+/-0.046 χ^2/NDF: 144896615.7/3

In: 146000.126+/-0.044 χ^2/NDF:716620139.7/33

Out: 145953.202+/-0.042 χ^2/NDF:867032439.0/37

All: 145975.730+/-0.030 χ^2/NDF: 15842519

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 170.279+/-0.048 χ^2/NDF: 1057631.0/15

Left Out: 215.583+/-0.040 χ^2/NDF:519442.9/18

Right Out: 159.724+/-0.044 χ^2/NDF: 1291290.8/18

Left In: 217.440+/-0.041 χ^2/NDF:498878.1/17

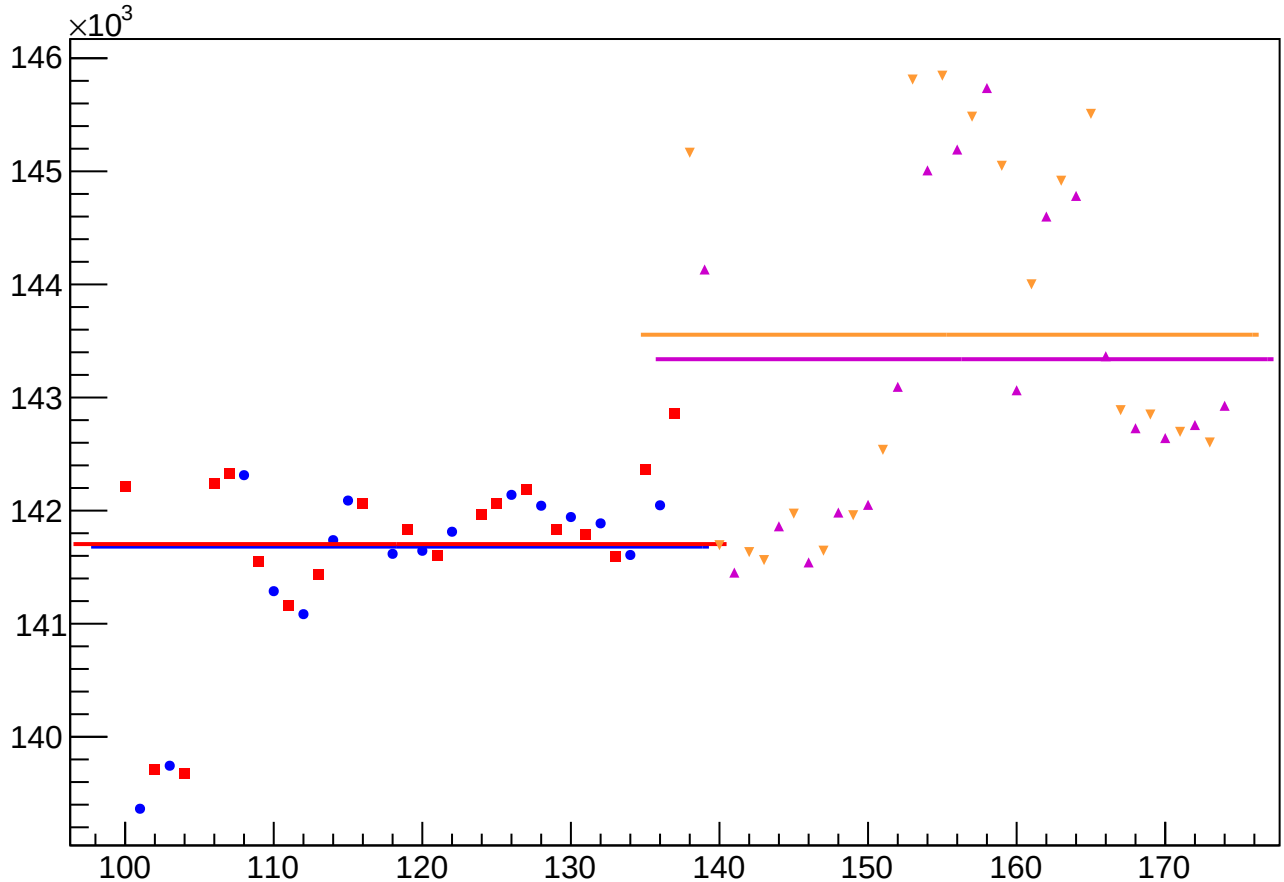
Left: 216.500+/-0.029 χ^2/NDF: 1019380.4/36

Right: 164.603+/-0.032 χ^2/NDF: 2375303.6/34

In: 197.605+/-0.031 χ^2/NDF:2124039.9/33

Out: 190.344+/-0.030 χ^2/NDF:2687026.5/37

All: 193.830+/-0.021 χ^2/NDF: 4839768.2/71



Right In: 141681.846+/-0.068 χ^2/NDF: 64292997.9/15

Left Out: 143555.331+/-0.059 χ^2/NDF:735291458.5/18

Right Out: 141704.185+/-0.064 χ^2/NDF: 65526811.0/18

Left In: 143338.771+/-0.059 χ^2/NDF:509902067.1/17

Left: 143447.148+/-0.042 χ^2/NDF: 1251893186.3/3

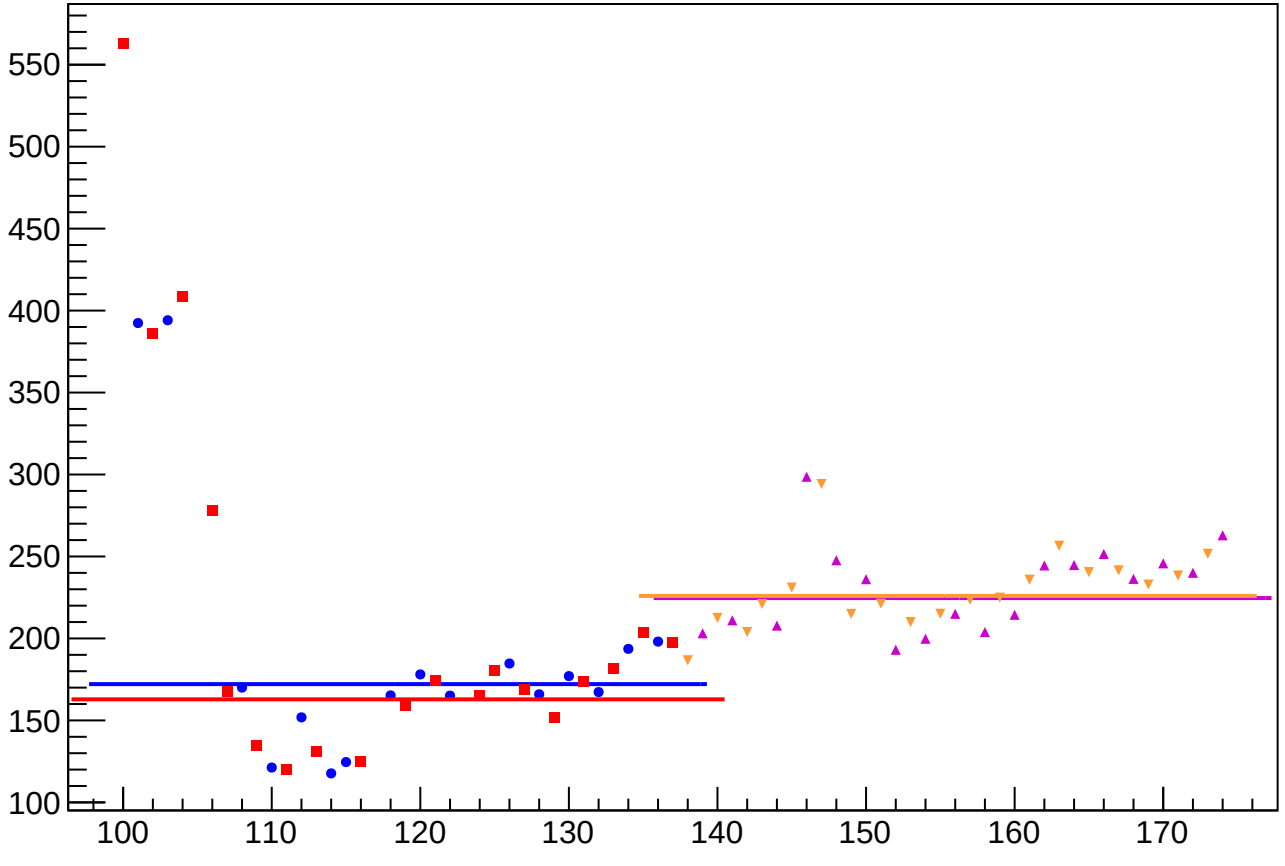
Right: 141693.772+/-0.047 χ^2/NDF: 129876966.3/3

In: 142627.778+/-0.045 χ^2/NDF:910478218.3/33

Out: 142699.812+/-0.043 χ^2/NDF:1253698594.5/3

All: 142664.901+/-0.031 χ^2/NDF: 216551390

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 172.139+/-0.048 χ^2/NDF: 1068587.8/15

Left Out: 225.949+/-0.042 χ^2/NDF:251922.0/18

Right Out: 162.845+/-0.045 χ^2/NDF: 1305855.8/18

Left In: 224.644+/-0.042 χ^2/NDF:348227.2/17

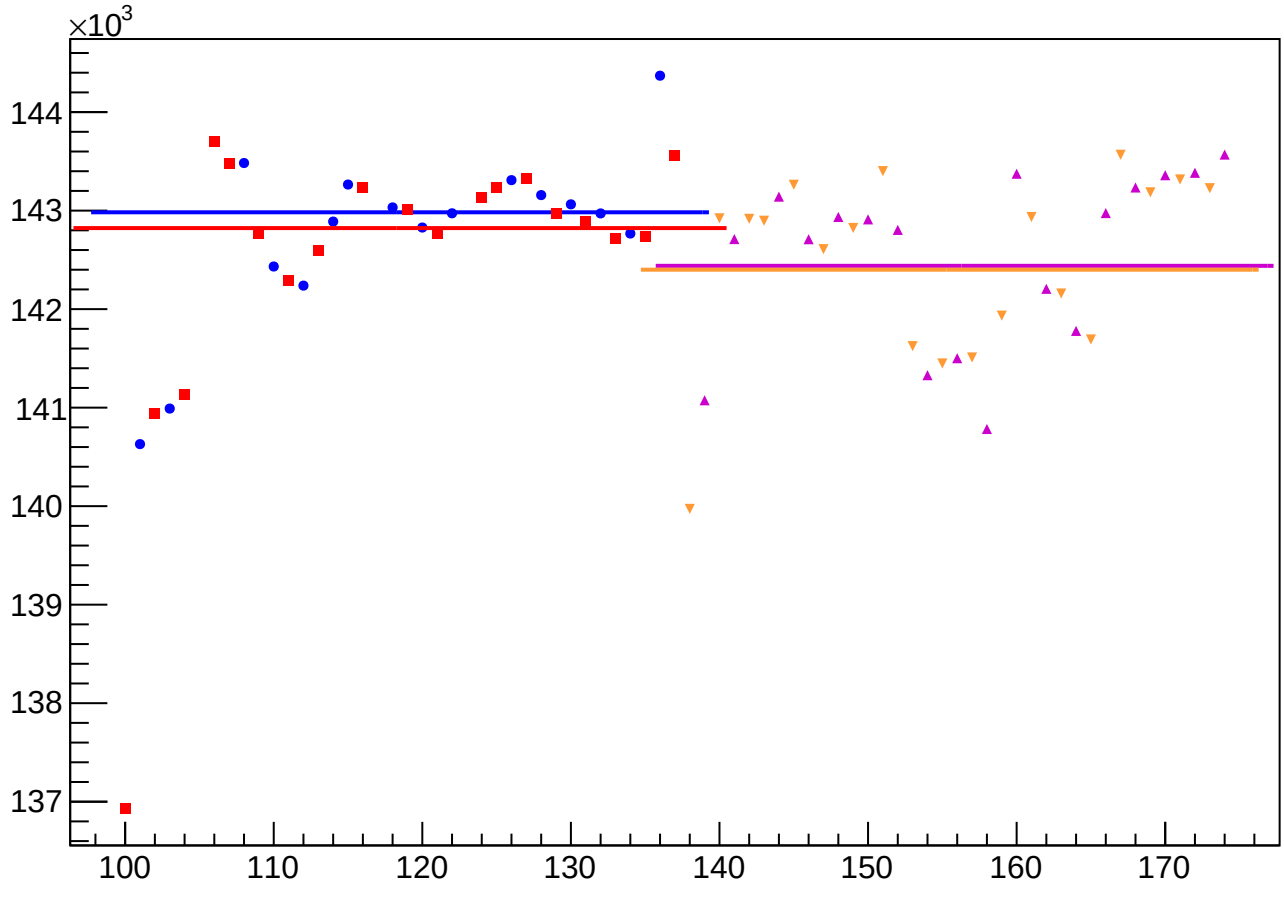
Left: 225.297+/-0.030 χ^2/NDF: 600635.6/36

Right: 167.177+/-0.033 χ^2/NDF: 2394232.5/34

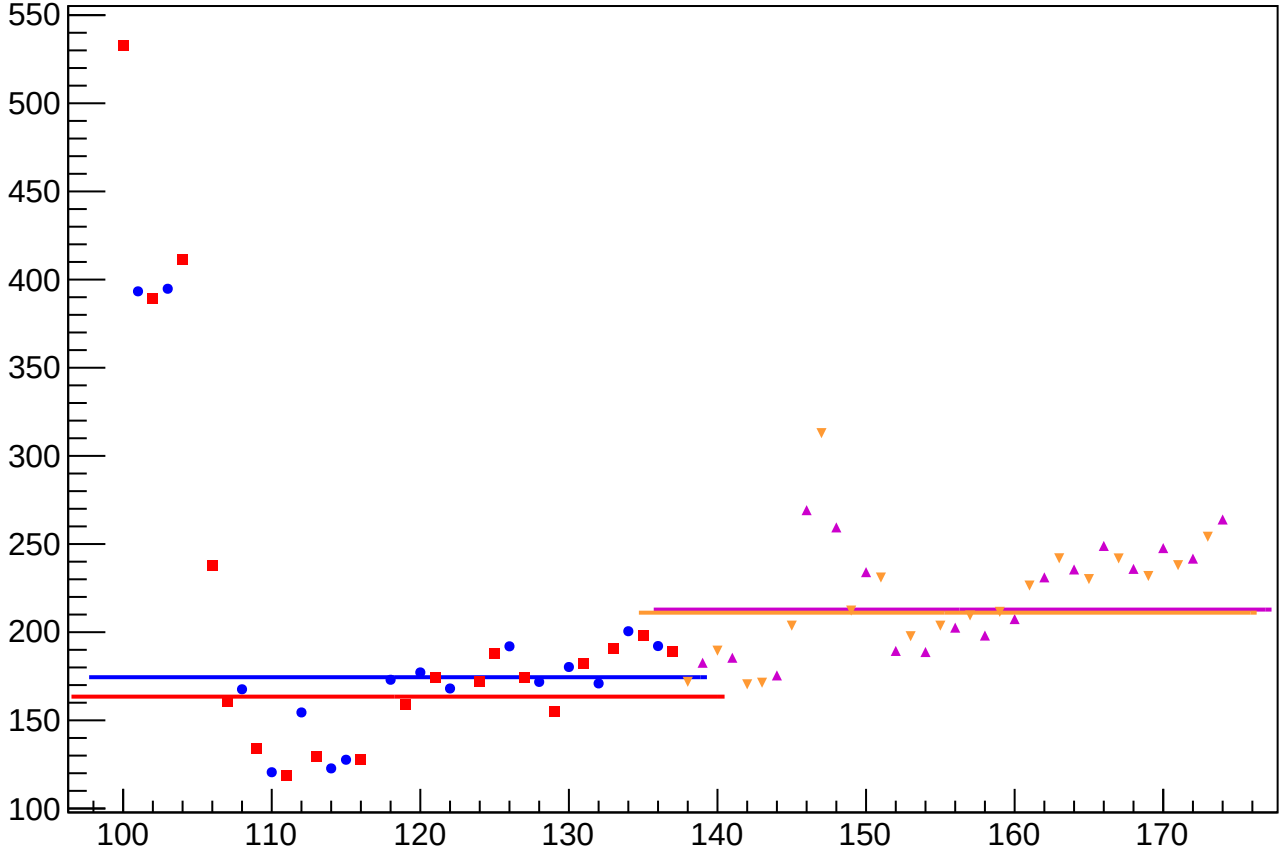
In: 202.114+/-0.032 χ^2/NDF:2092171.0/33

Out: 196.785+/-0.031 χ^2/NDF:2610335.9/37

All: 199.367+/-0.022 χ^2/NDF: 4717142.8/71


yield_bpm0l10WS_mean vs Slug, Sign Corrected
×10^3
144
143
142
141
140
139
138
137
100
110
120
130
140
150
160
170
Right In: 142983.006+/-0.069 χ²/NDF: 107696217.2/15
Left Out: 142400.345+/-0.056 χ²/NDF:308274204.3/18
Right Out: 142822.727+/-0.064 χ²/NDF: 63581232.6/18
Left In: 142439.561+/-0.056 χ²/NDF:254341171.2/17
Left: 142419.722+/-0.040 χ²/NDF: 562861690.5/36
Right: 142896.762+/-0.047 χ²/NDF: 174171580.7/3
In: 142655.882+/-0.044 χ²/NDF:399257772.3/33
Out: 142581.700+/-0.042 χ²/NDF:396685281.9/37
All: 142617.365+/-0.030 χ²/NDF: 79744589

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 174.467+/-0.049 χ^2/NDF: 1049126.7/15

Left Out: 211.072+/-0.039 χ^2/NDF:576894.0/18

Right Out: 163.448+/-0.045 χ^2/NDF: 1282494.1/18

Left In: 212.819+/-0.040 χ^2/NDF:554528.0/17

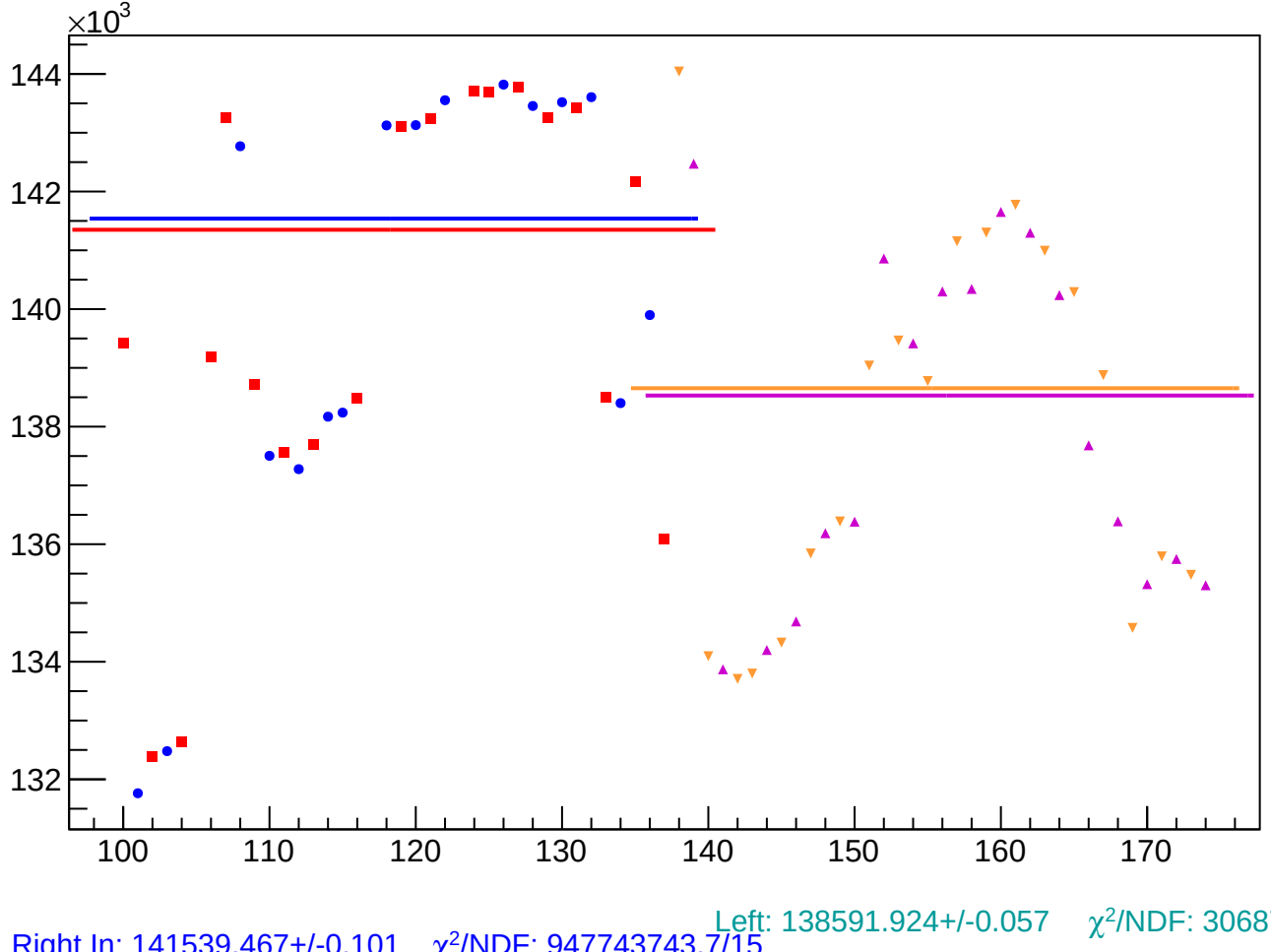
Left: 211.935+/-0.028 χ^2/NDF: 1132399.7/36

Right: 168.538+/-0.033 χ^2/NDF: 2358977.1/34

In: 197.553+/-0.031 χ^2/NDF:1974396.5/33

Out: 190.624+/-0.030 χ^2/NDF:2490690.0/37

All: 193.955+/-0.021 χ^2/NDF: 4491307.9/71



Right In: 141539.467+/-0.101 χ^2/NDF: 947743743.7/15

Left Out: 138653.679+/-0.081 χ^2/NDF:1725803735.2/18

Right Out: 141349.499+/-0.101 χ^2/NDF: 926661757.9/18

Left In: 138529.350+/-0.081 χ^2/NDF:1341805684.0/17

Left: 138591.924+/-0.057 χ^2/NDF: 3068781119.0/3

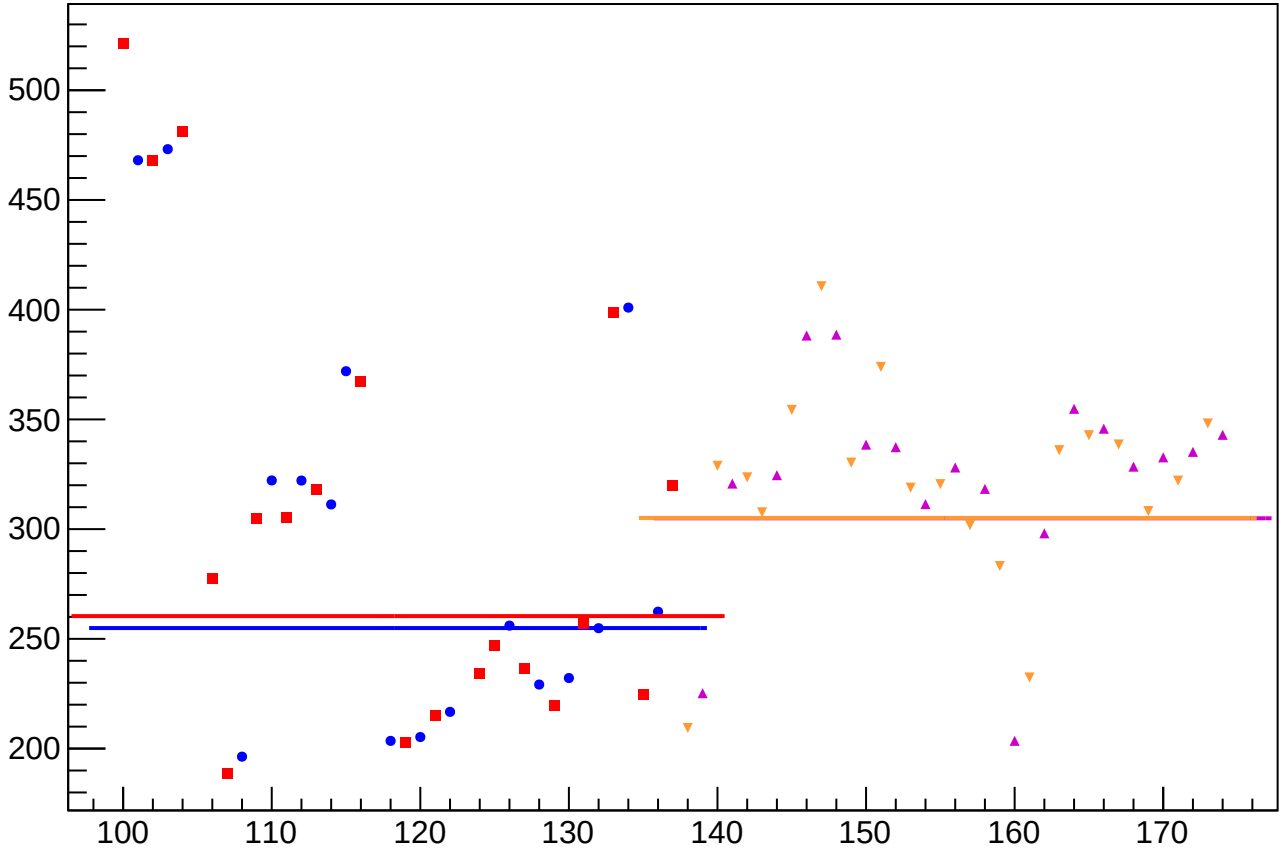
Right: 141444.713+/-0.071 χ^2/NDF: 1876176691.0/

In: 139718.848+/-0.063 χ^2/NDF:2828799443.6/33

Out: 139707.390+/-0.063 χ^2/NDF:3085955369.6/3

All: 139713.101+/-0.045 χ^2/NDF: 59147712(

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 254.919+/-0.071 χ^2/NDF: 949952.1/15

Left Out: 305.101+/-0.057 χ^2/NDF:775745.1/18

Right Out: 260.369+/-0.071 χ^2/NDF: 993300.6/18

Left In: 304.939+/-0.058 χ^2/NDF:909570.3/17

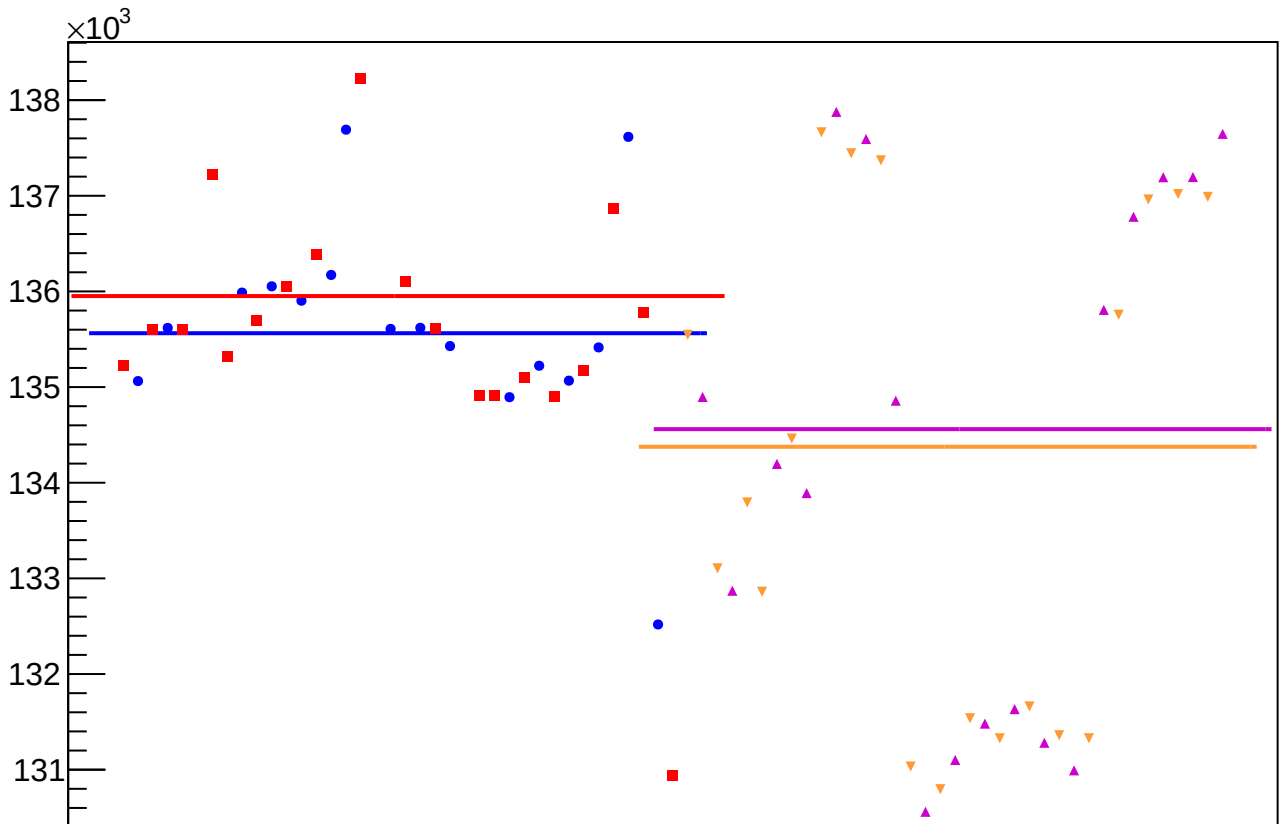
Left: 305.021+/-0.041 χ^2/NDF: 1685319.5/36

Right: 257.637+/-0.050 χ^2/NDF: 1946167.7/34

In: 285.173+/-0.045 χ^2/NDF:2157329.1/33

Out: 287.617+/-0.045 χ^2/NDF:2007761.3/37

All: 286.398+/-0.032 χ^2/NDF: 4166582.5/71



Right In: 135563.062+/-0.118 χ^2/NDF: 94169293.7/15

Left Out: 134376.065+/-0.069 χ^2/NDF:1067991685.1/18

Right Out: 135951.486+/-0.106 χ^2/NDF: 91577209.6/18

Left In: 134560.378+/-0.071 χ^2/NDF:1059083081.5/17

Left: 134465.751+/-0.049 χ^2/NDF: 2130550774.3/3

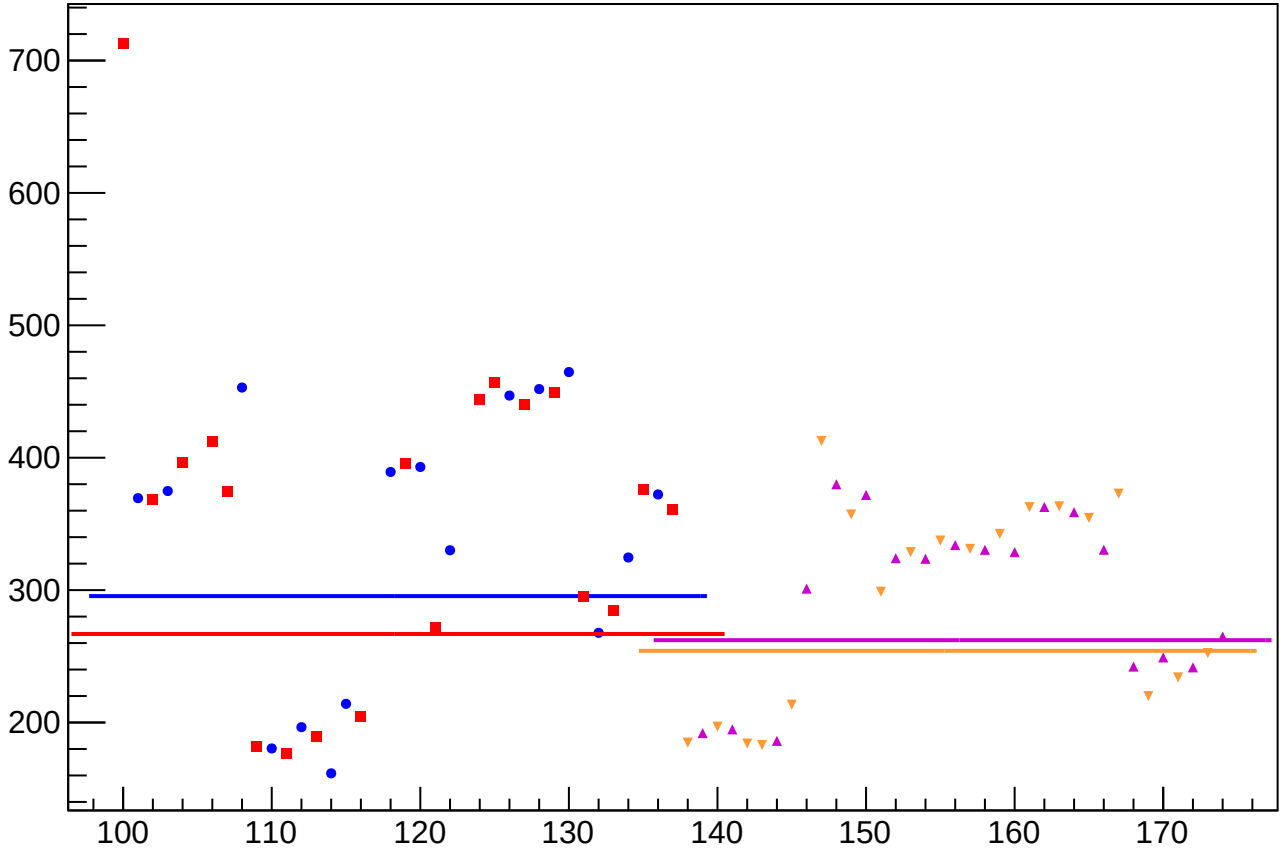
Right: 135777.958+/-0.079 χ^2/NDF: 191705440.0/3

In: 134824.816+/-0.061 χ^2/NDF:1206096905.7/33

Out: 134842.371+/-0.058 χ^2/NDF:1314046891.1/3

All: 134834.025+/-0.042 χ^2/NDF: 25201875

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 295.481+/-0.084 χ^2/NDF: 1442531.9/15

Left Out: 254.143+/-0.049 χ^2/NDF:2162832.2/18

Right Out: 266.864+/-0.075 χ^2/NDF: 1678073.6/18

Left In: 262.180+/-0.050 χ^2/NDF:1682935.9/17

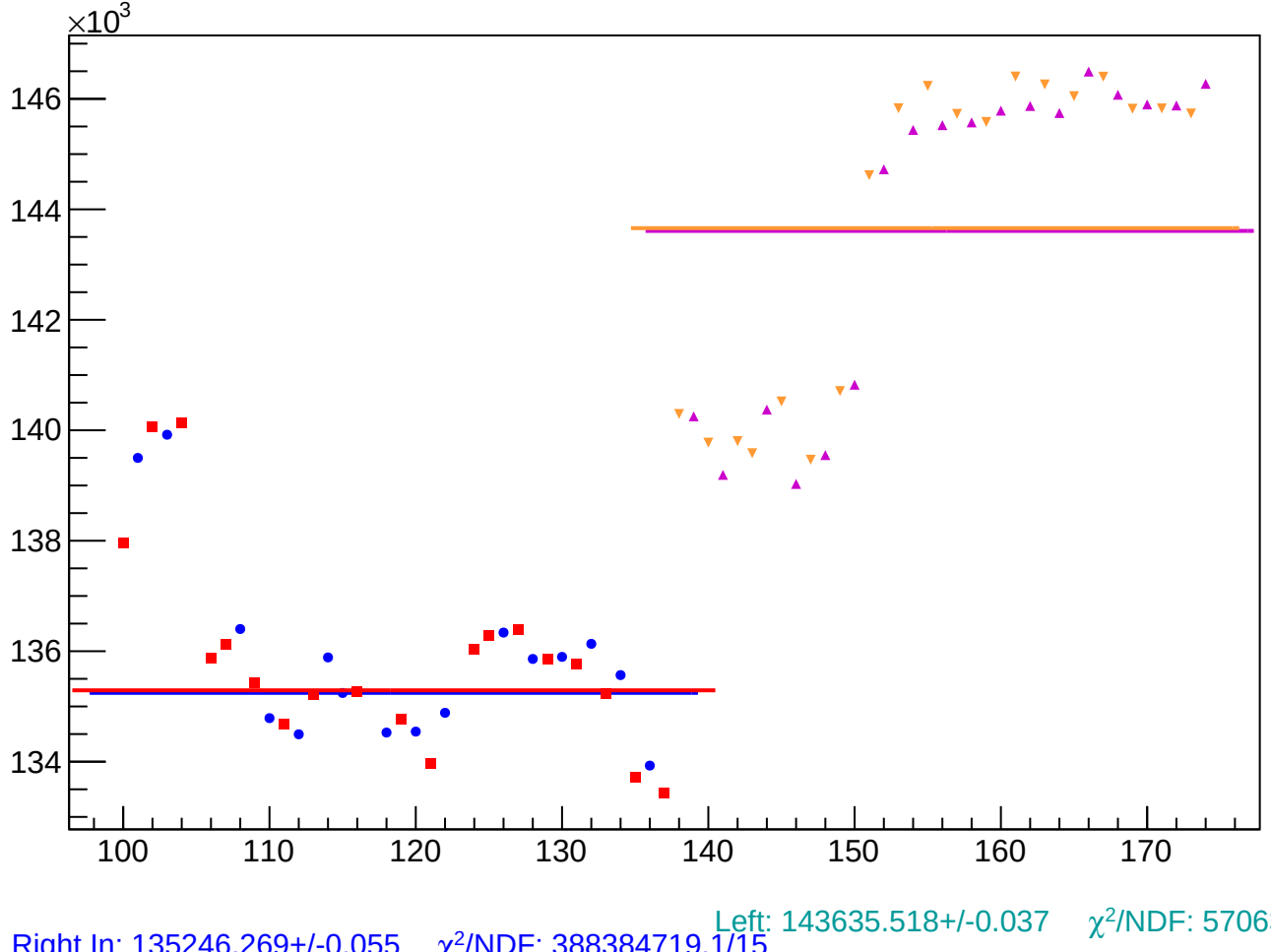
Left: 258.054+/-0.035 χ^2/NDF: 3858987.7/36

Right: 279.649+/-0.056 χ^2/NDF: 3185297.4/34

In: 270.963+/-0.043 χ^2/NDF:3242048.4/33

Out: 257.908+/-0.041 χ^2/NDF:3861050.5/37

All: 264.114+/-0.030 χ^2/NDF: 7151498.8/71



Right In: 135246.269+/-0.055 χ^2/NDF: 388384719.1/15

Left Out: 143659.549+/-0.052 χ^2/NDF:2991007388.5/18

Right Out: 135291.851+/-0.052 χ^2/NDF: 381790556.0/18

Left In: 143609.595+/-0.054 χ^2/NDF:2714909595.8/17

Left: 143635.518+/-0.037 χ^2/NDF: 5706360057.1/3

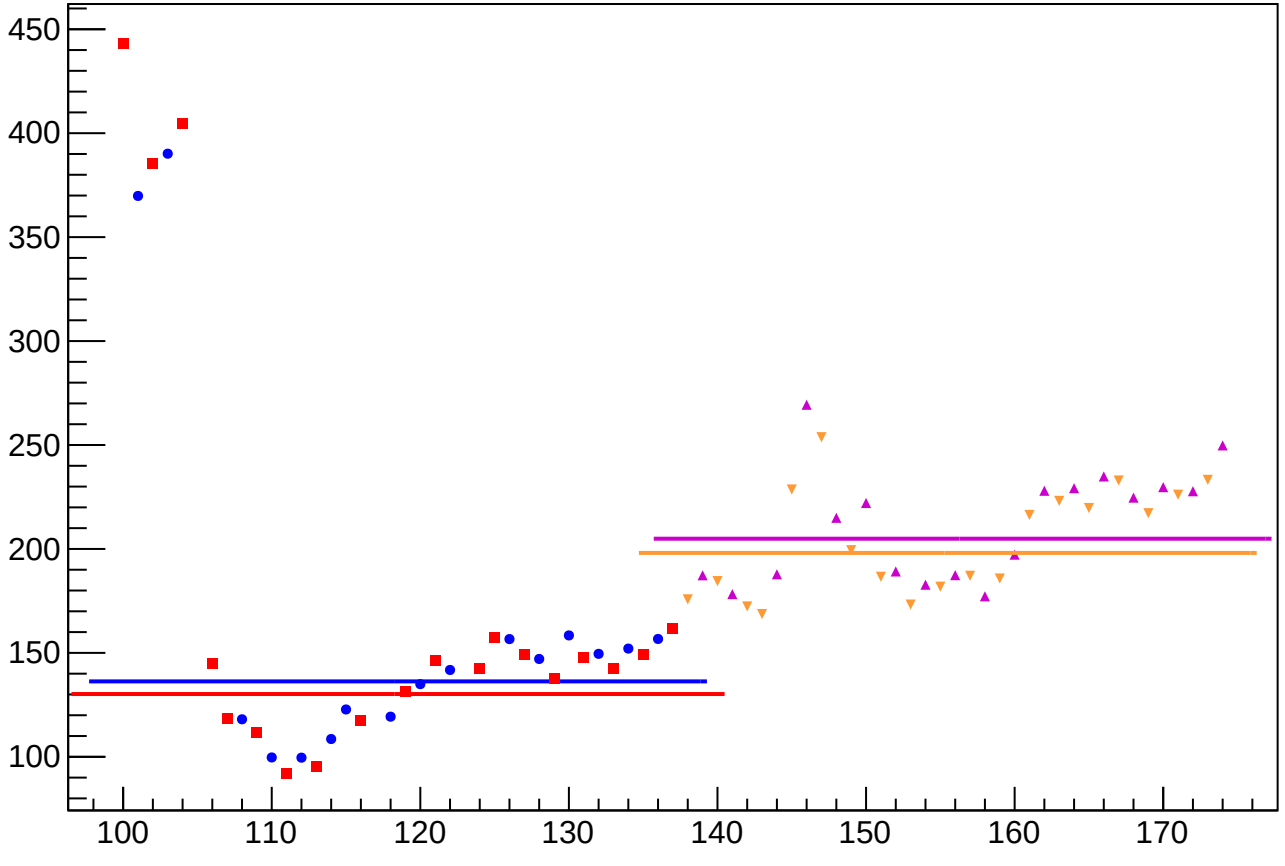
Right: 135270.332+/-0.038 χ^2/NDF: 770541555.9/3

In: 139478.621+/-0.038 χ^2/NDF:14923908678.2/3

Out: 139451.340+/-0.037 χ^2/NDF:16369292297.2

All: 139464.342+/-0.027 χ^2/NDF: 31293643

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 136.285+/-0.039 χ^2/NDF: 1384057.4/15

Left Out: 198.090+/-0.037 χ^2/NDF:421915.0/18

Right Out: 130.206+/-0.037 χ^2/NDF: 1520840.8/18

Left In: 204.927+/-0.038 χ^2/NDF:425390.5/17

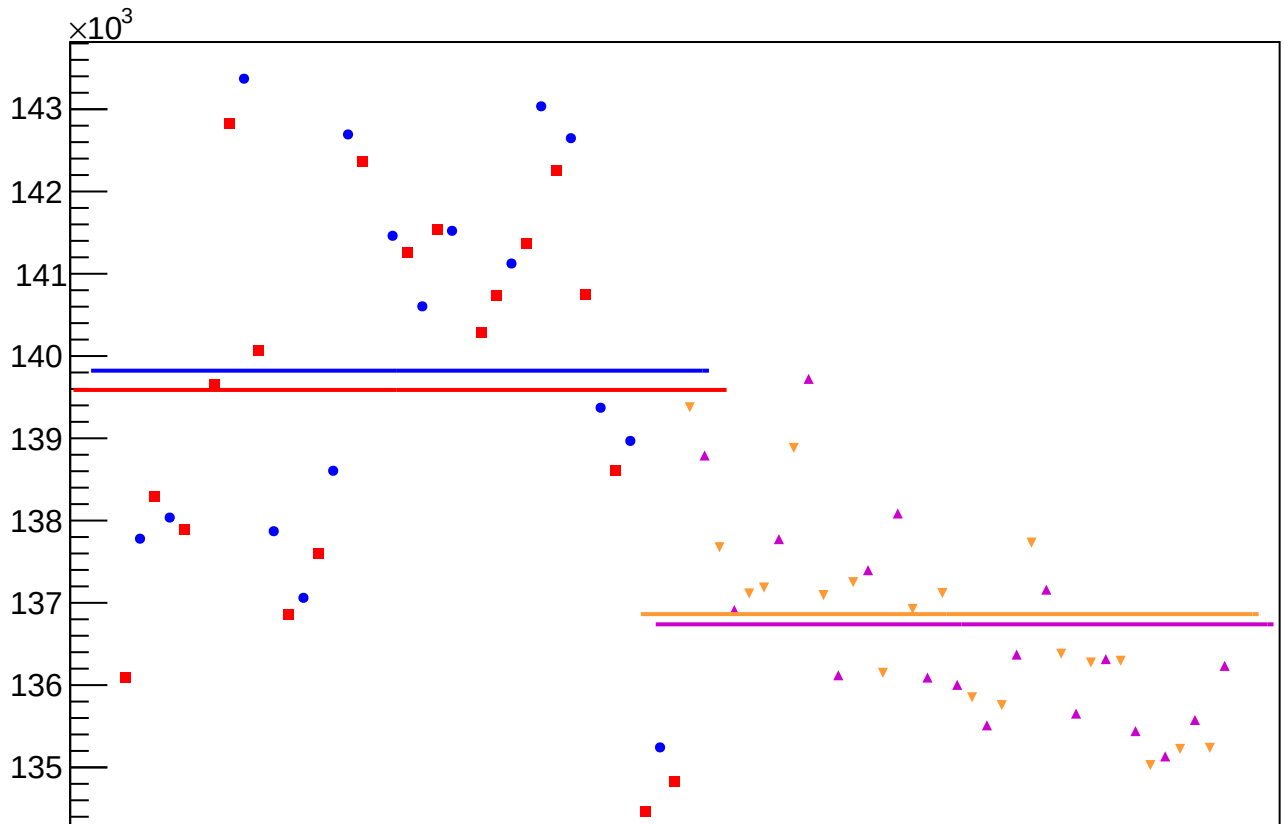
Left: 201.379+/-0.027 χ^2/NDF: 863906.5/36

Right: 133.076+/-0.027 χ^2/NDF: 2917928.2/34

In: 171.022+/-0.027 χ^2/NDF:3402004.9/33

Out: 163.950+/-0.026 χ^2/NDF:3653478.1/37

All: 167.321+/-0.019 χ^2/NDF: 7090878.6/71



Right In: 139822.122+/-0.063 χ^2/NDF: 1663381581.4/15

Left Out: 136862.908+/-0.054 χ^2/NDF:474451084.9/18

Right Out: 139587.876+/-0.060 χ^2/NDF: 1482934186.2/18

Left In: 136738.779+/-0.055 χ^2/NDF:468362321.3/17

Left: 136802.132+/-0.038 χ^2/NDF: 945447816.1/36

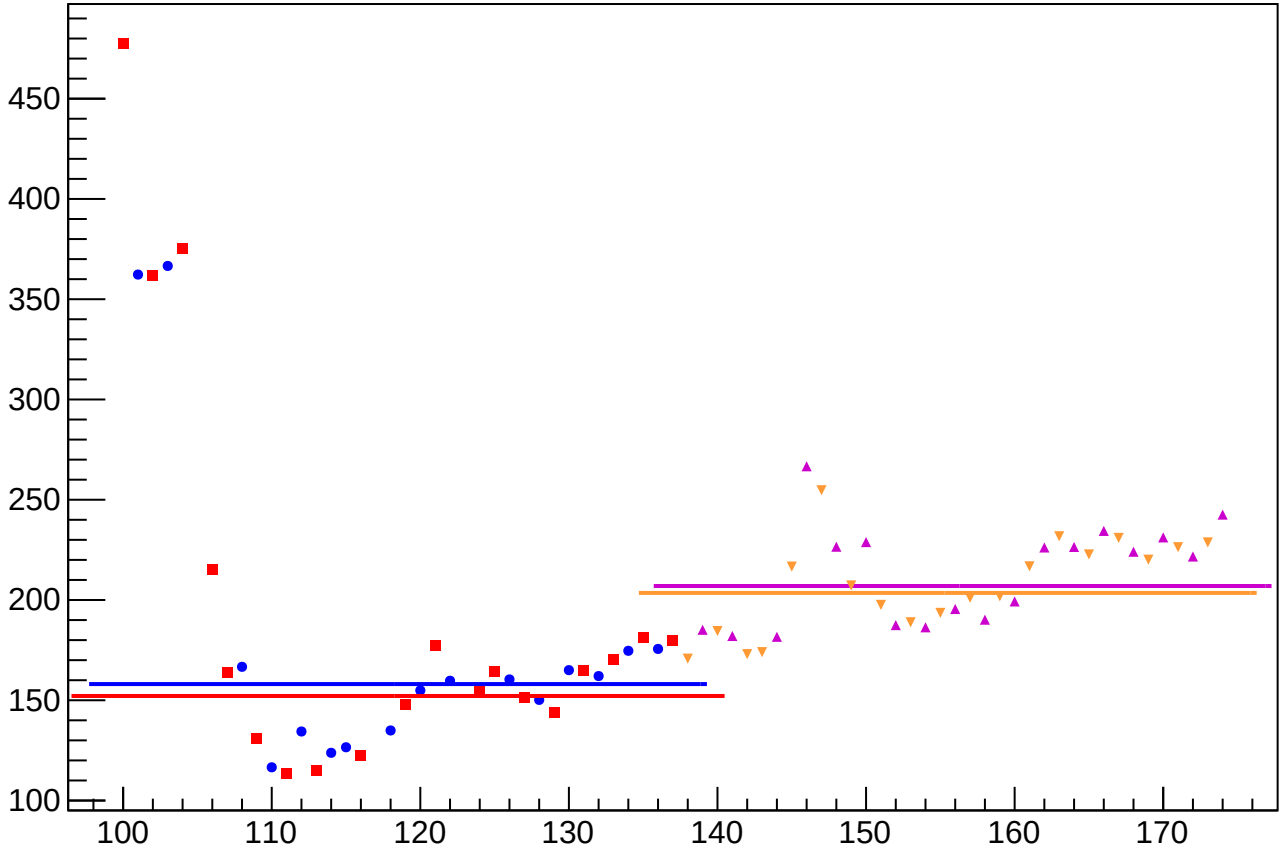
Right: 139699.515+/-0.043 χ^2/NDF: 3153646641.6/

In: 138072.159+/-0.041 χ^2/NDF:3509006220.8/33

Out: 138076.329+/-0.040 χ^2/NDF:3112037166.1/3

All: 138074.311+/-0.029 χ^2/NDF: 66210486

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 158.079+/-0.044 χ^2/NDF: 1017928.9/15

Left Out: 203.541+/-0.038 χ^2/NDF:337947.1/18

Right Out: 152.139+/-0.042 χ^2/NDF: 1229053.9/18

Left In: 206.981+/-0.039 χ^2/NDF:371575.4/17

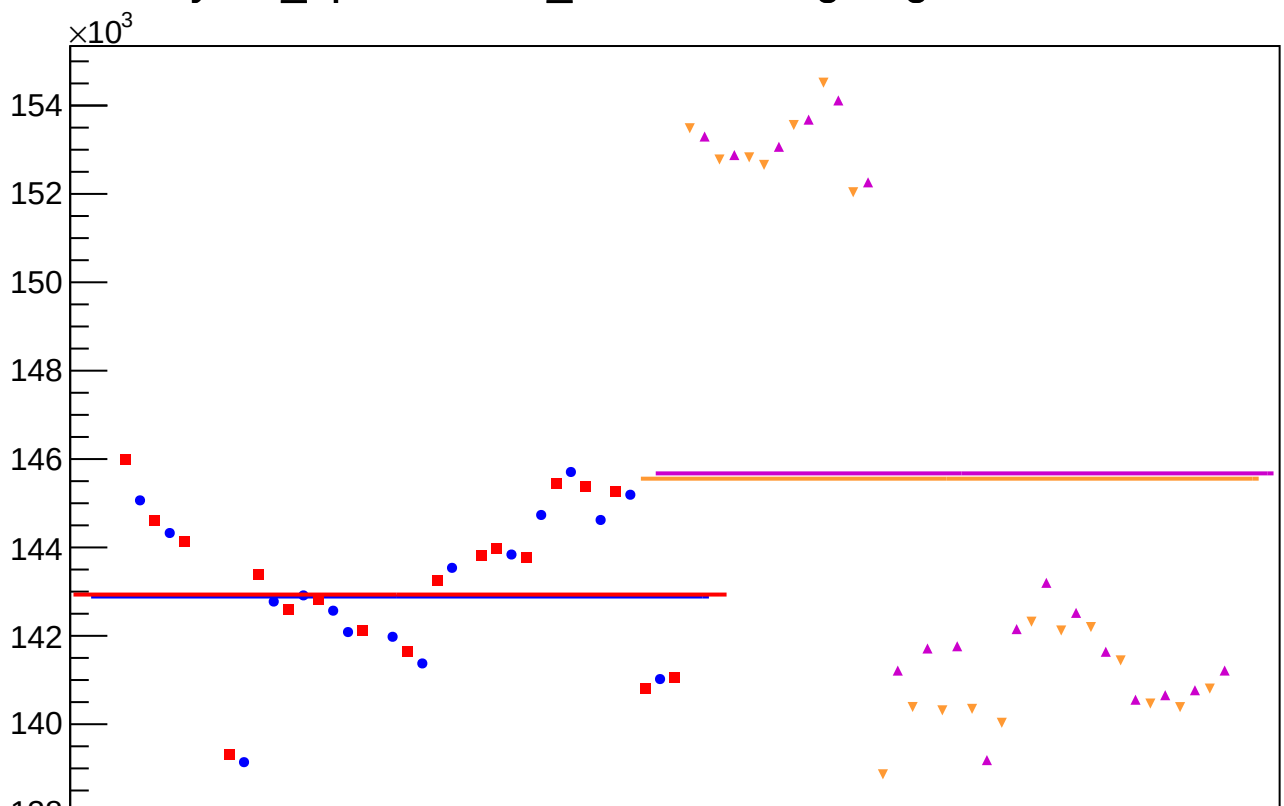
Left: 205.225+/-0.027 χ^2/NDF: 713567.6/36

Right: 154.970+/-0.031 χ^2/NDF: 2256411.8/34

In: 185.833+/-0.029 χ^2/NDF:2082363.4/33

Out: 180.652+/-0.028 χ^2/NDF:2388722.1/37

All: 183.159+/-0.020 χ^2/NDF: 4487442.8/71



Right In: 142889.386+/-0.066 χ^2/NDF: 763303771.6/15

Left Out: 145556.213+/-0.054 χ^2/NDF:12708098463.3/18

Right Out: 142933.890+/-0.062 χ^2/NDF: 787386856.4/18

Left In: 145675.909+/-0.055 χ^2/NDF:10948718305.6/17

Left: 145614.695+/-0.039 χ^2/NDF: 23659202993.3

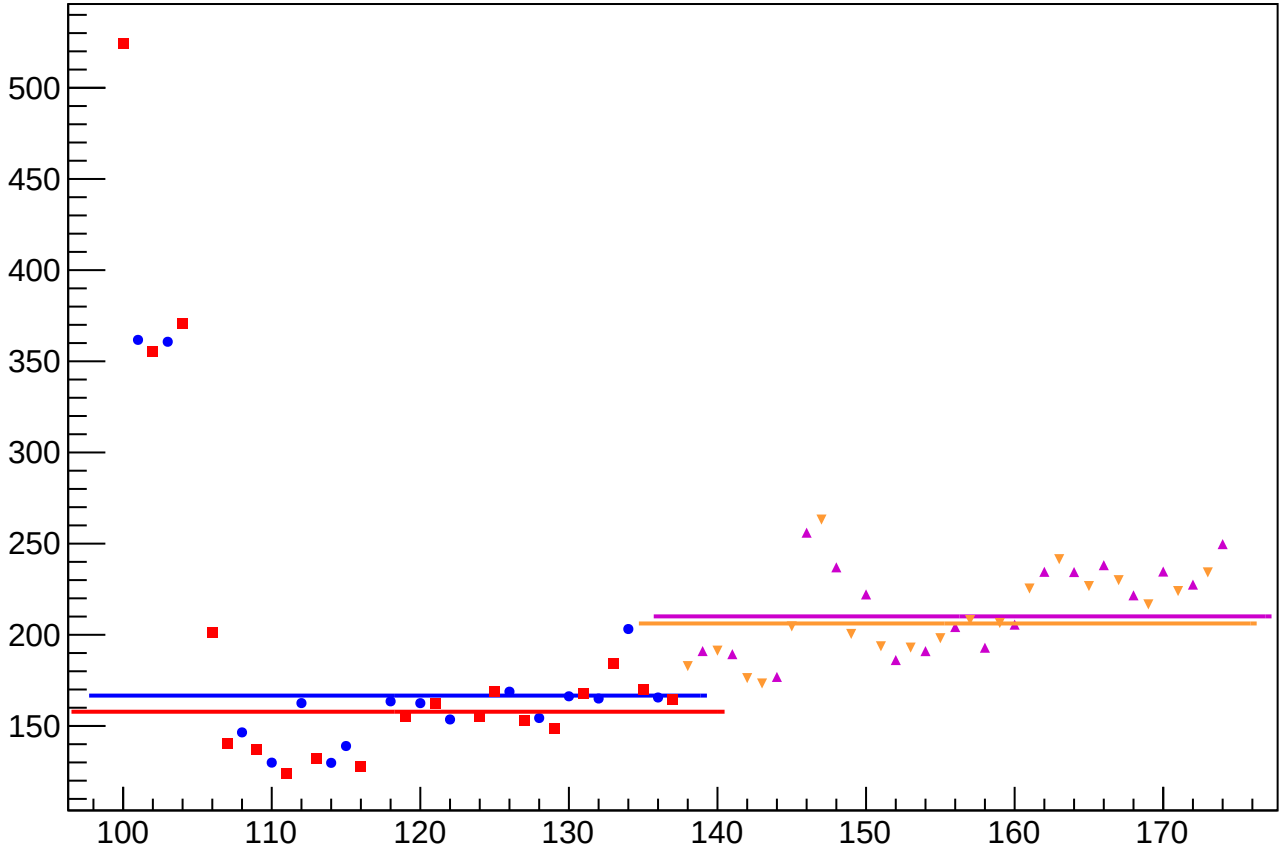
Right: 142913.088+/-0.045 χ^2/NDF: 1550935114.7/

In: 144517.326+/-0.042 χ^2/NDF:12763430974.9/3

Out: 144411.516+/-0.041 χ^2/NDF:14518734776.9/

All: 144462.259+/-0.029 χ^2/NDF: 27285413

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 166.656+/-0.046 χ^2/NDF: 863574.7/15

Left Out: 206.212+/-0.038 χ^2/NDF:320154.6/18

Right Out: 157.809+/-0.044 χ^2/NDF: 1022332.1/18

Left In: 210.102+/-0.039 χ^2/NDF:361487.6/17

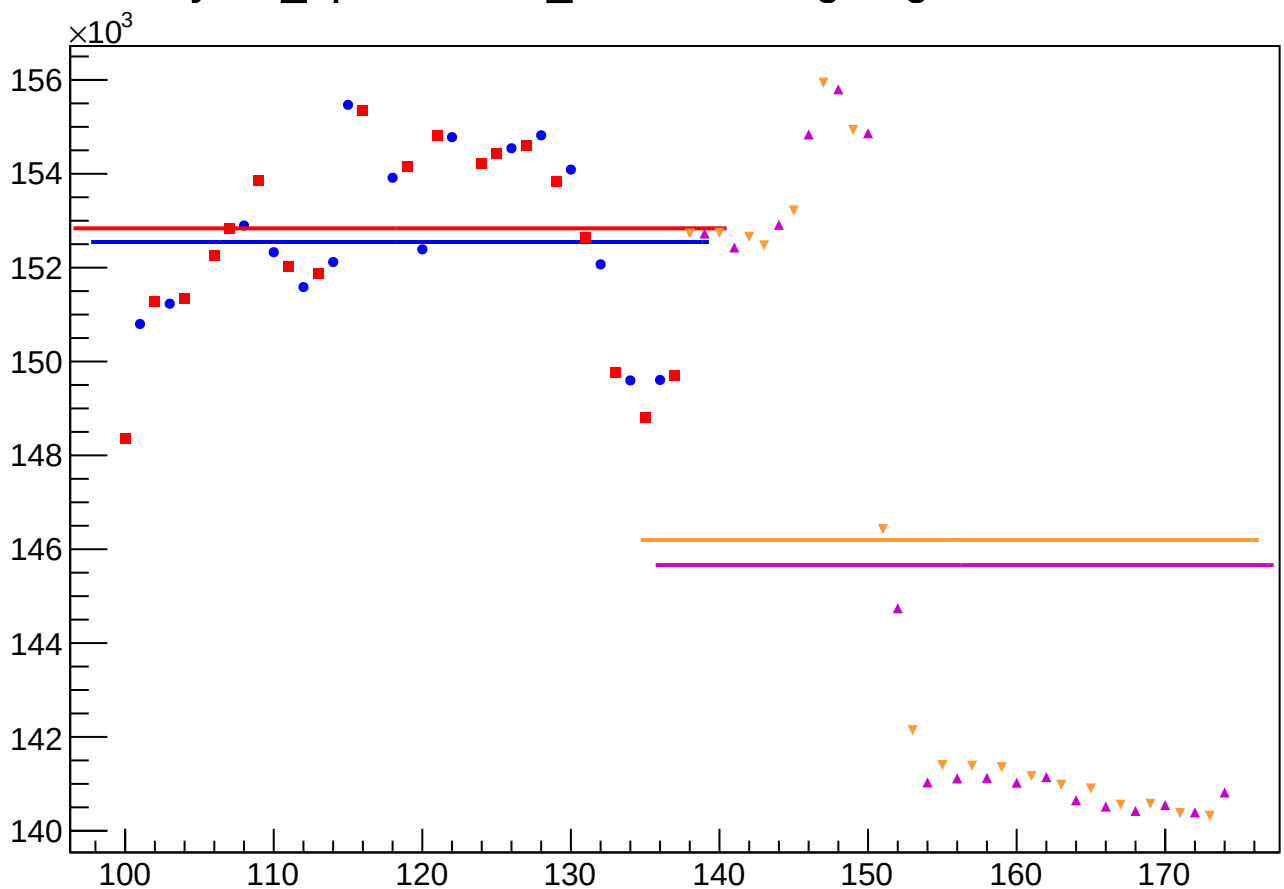
Left: 208.113+/-0.027 χ^2/NDF: 686681.8/36

Right: 161.945+/-0.032 χ^2/NDF: 1905231.4/34

In: 192.038+/-0.030 χ^2/NDF:1736233.7/33

Out: 185.083+/-0.029 χ^2/NDF:2039739.0/37

All: 188.419+/-0.021 χ^2/NDF: 3804038.3/71



Right In: 152546.899+/-0.073 χ^2/NDF: 654540559.6/15

Left Out: 146197.525+/-0.054 χ^2/NDF:11893744629.4/18

Right Out: 152837.888+/-0.067 χ^2/NDF: 736907066.8/18

Left In: 145661.019+/-0.055 χ^2/NDF:11970445053.5/17

Left: 145934.488+/-0.039 χ^2/NDF: 23912599467.9

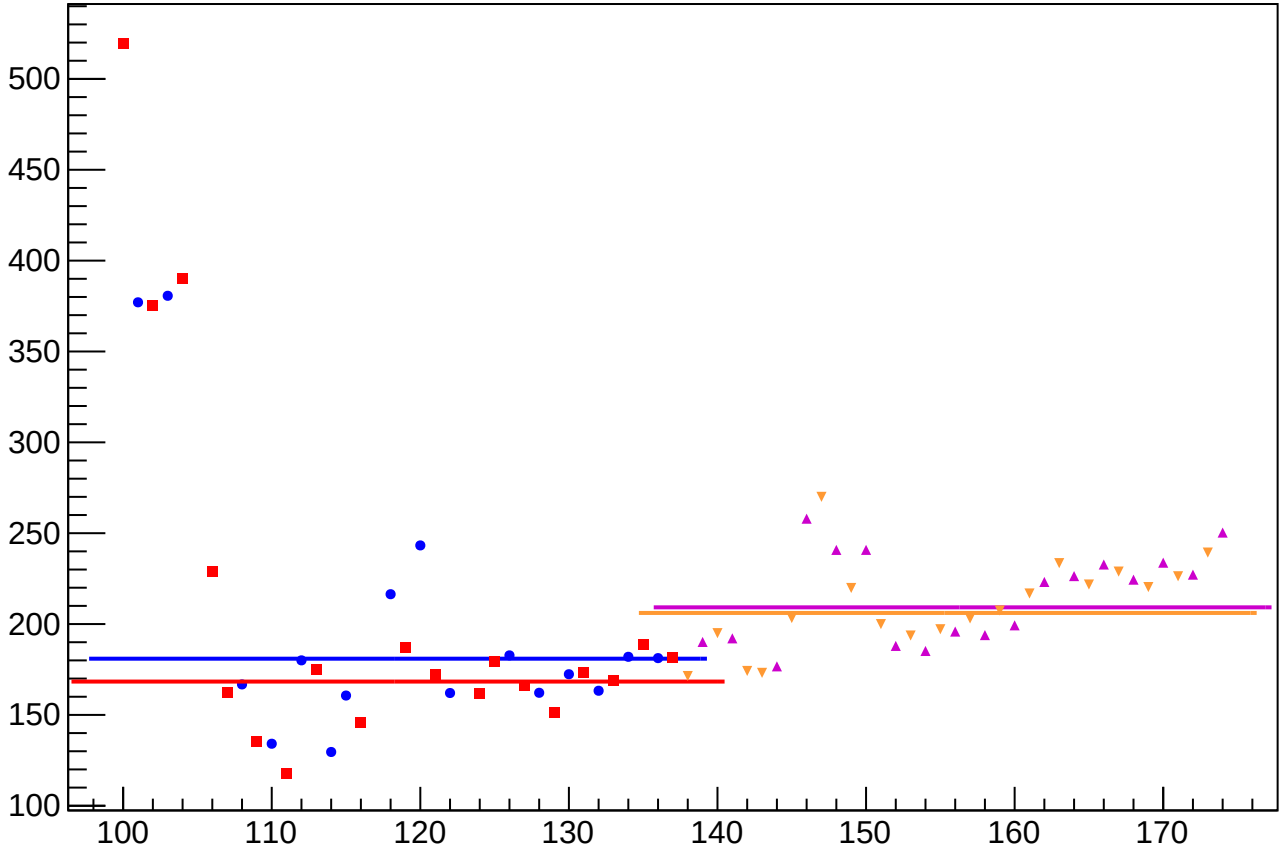
Right: 152704.814+/-0.049 χ^2/NDF: 1400162101.0/

In: 148174.276+/-0.044 χ^2/NDF:18335108932.7/3

Out: 148828.100+/-0.042 χ^2/NDF:18622800156.5

All: 148515.761+/-0.030 χ^2/NDF: 37073919

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 180.938+/-0.051 χ^2/NDF: 907758.2/15

Left Out: 206.113+/-0.038 χ^2/NDF:361775.7/18

Right Out: 168.349+/-0.047 χ^2/NDF: 1089090.2/18

Left In: 209.199+/-0.039 χ^2/NDF:390085.9/17

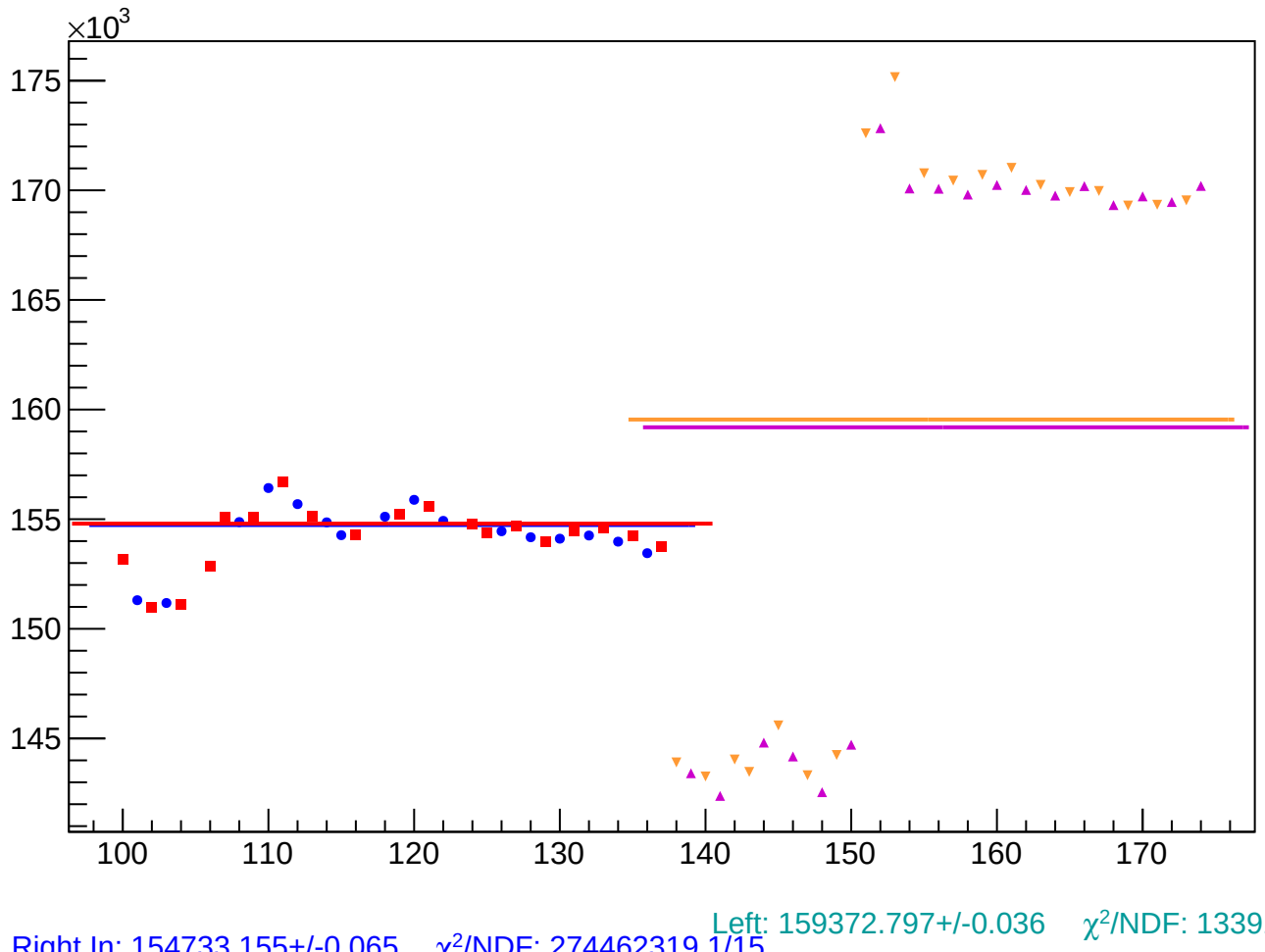
Left: 207.626+/-0.027 χ^2/NDF: 755063.7/36

Right: 174.106+/-0.035 χ^2/NDF: 2029471.3/34

In: 198.884+/-0.031 χ^2/NDF:1490201.3/33

Out: 191.153+/-0.030 χ^2/NDF:1838470.6/37

All: 194.846+/-0.021 χ^2/NDF: 3361111.9/71



Right In: 154733.155+/-0.065 χ^2/NDF: 274462319.1/15

Left Out: 159545.238+/-0.051 χ^2/NDF:70321416745.9/18

Right Out: 154795.893+/-0.061 χ^2/NDF: 304125082.4/18

Left In: 159190.813+/-0.052 χ^2/NDF:63566139431.2/17

Left: 159372.797+/-0.036 χ^2/NDF: 133911192083.

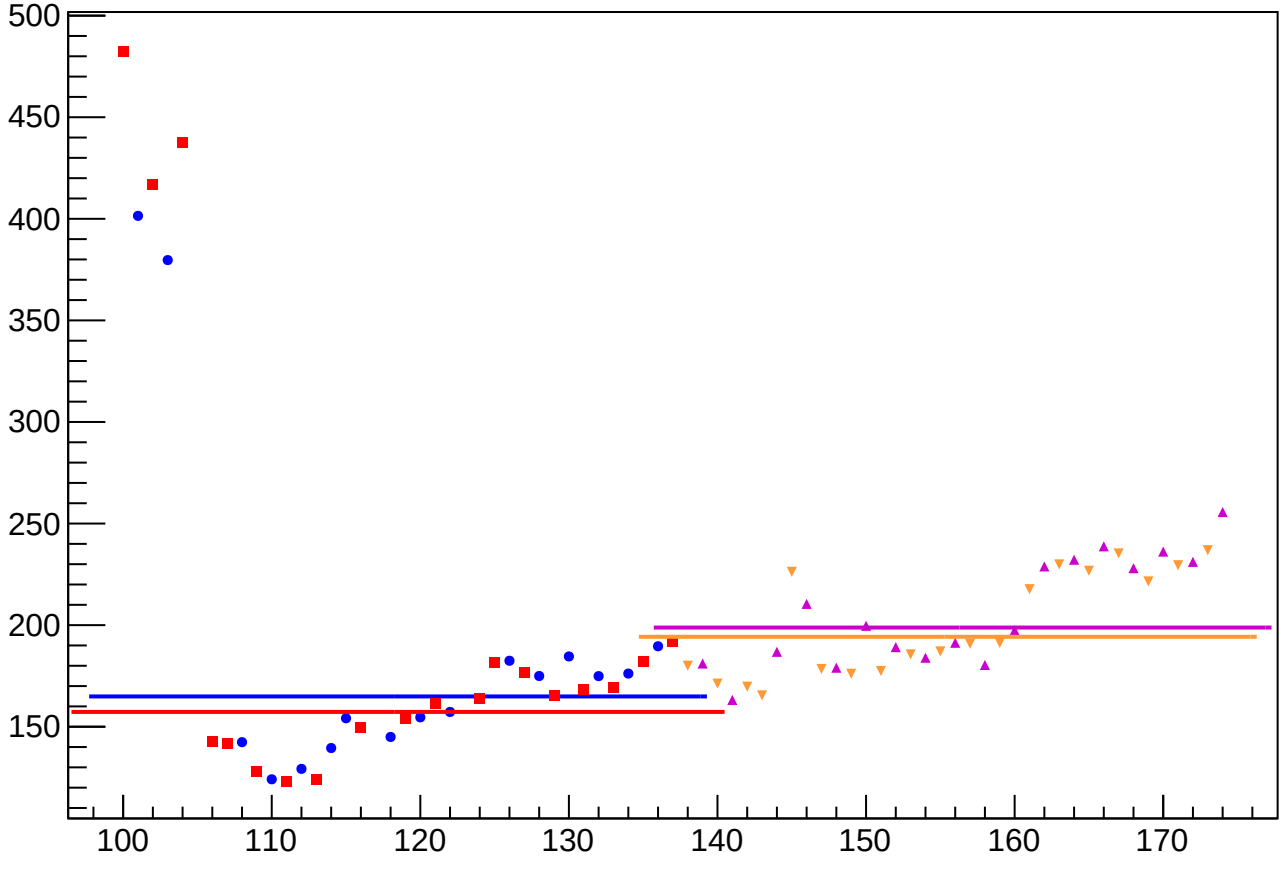
Right: 154766.574+/-0.045 χ^2/NDF: 579080682.1/3

In: 157447.876+/-0.041 χ^2/NDF:66687690164.0/3

Out: 157600.451+/-0.039 χ^2/NDF:74197563162.8

All: 157527.392+/-0.028 χ^2/NDF: 14089255

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 164.906+/-0.046 χ^2/NDF: 1072730.7/15

Left Out: 194.262+/-0.036 χ^2/NDF:435540.3/18

Right Out: 157.283+/-0.043 χ^2/NDF: 1254831.2/18

Left In: 198.811+/-0.037 χ^2/NDF:437016.5/17

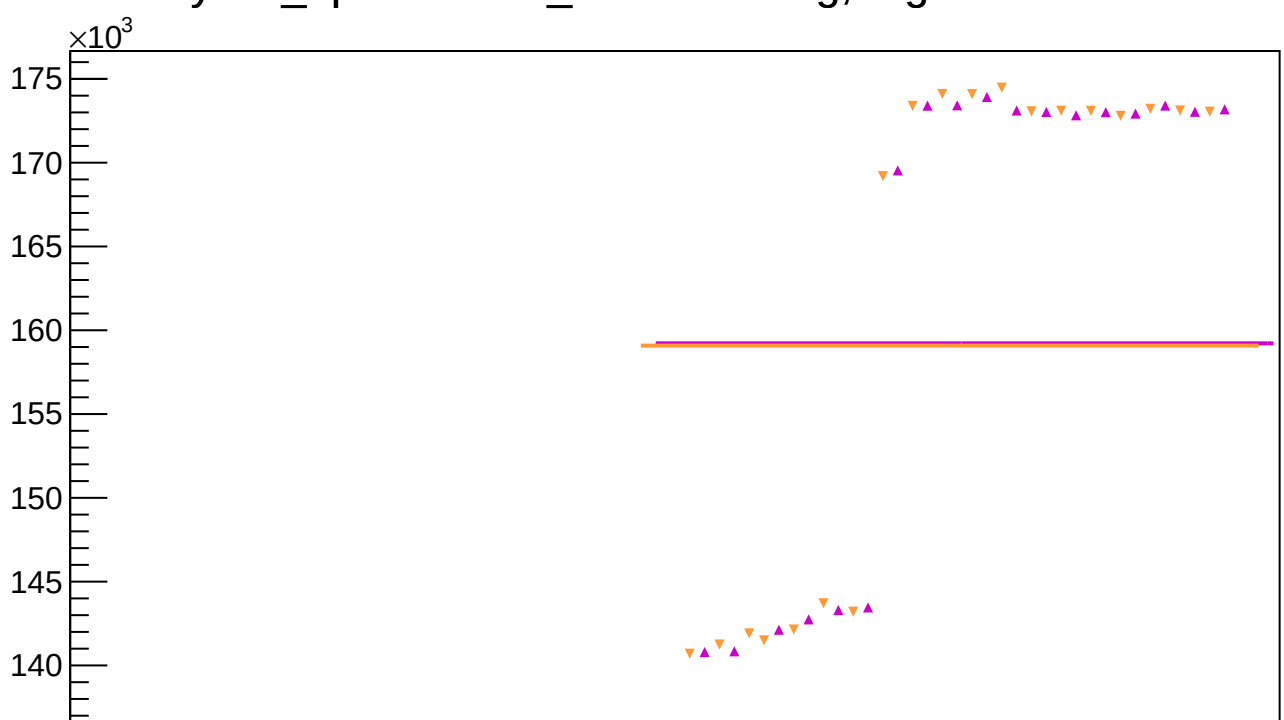
Left: 196.475+/-0.026 χ^2/NDF: 880344.9/36

Right: 160.846+/-0.032 χ^2/NDF: 2342128.6/34

In: 185.554+/-0.029 χ^2/NDF:1839154.0/33

Out: 179.119+/-0.028 χ^2/NDF:2123462.6/37

All: 182.201+/-0.020 χ^2/NDF: 3988586.8/71



Right In: 134276.096+/-0.051 χ^2/NDF: 1142867100.2/15

Left Out: 159084.974+/-0.052 χ^2/NDF:89339389875.1/18

Right Out: 134195.257+/-0.048 χ^2/NDF: 1205537499.7/18

Left In: 159218.694+/-0.053 χ^2/NDF:82566996020.6/17

Left: 159149.753+/-0.037 χ^2/NDF: 171909640034.

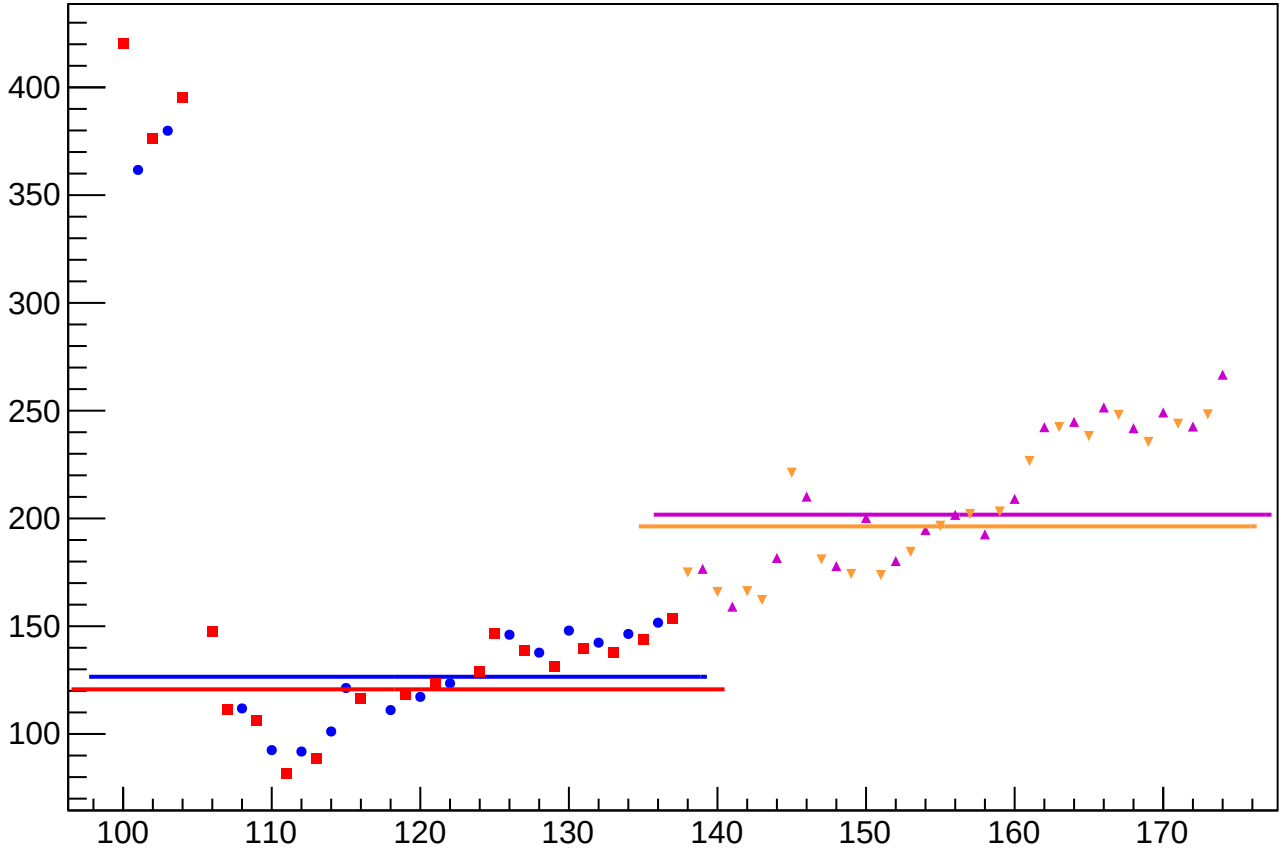
Right: 134233.345+/-0.035 χ^2/NDF: 2349742421.8/

In: 146172.396+/-0.037 χ^2/NDF:198576316011.4

Out: 145736.531+/-0.035 χ^2/NDF:215357235577.

All: 145944.615+/-0.025 χ^2/NDF: 41400703

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 126.551+/-0.036 χ^2/NDF: 1477429.4/15

Left Out: 196.320+/-0.036 χ^2/NDF:644260.3/18

Right Out: 120.723+/-0.034 χ^2/NDF: 1632726.2/18

Left In: 201.753+/-0.038 χ^2/NDF:624489.4/17

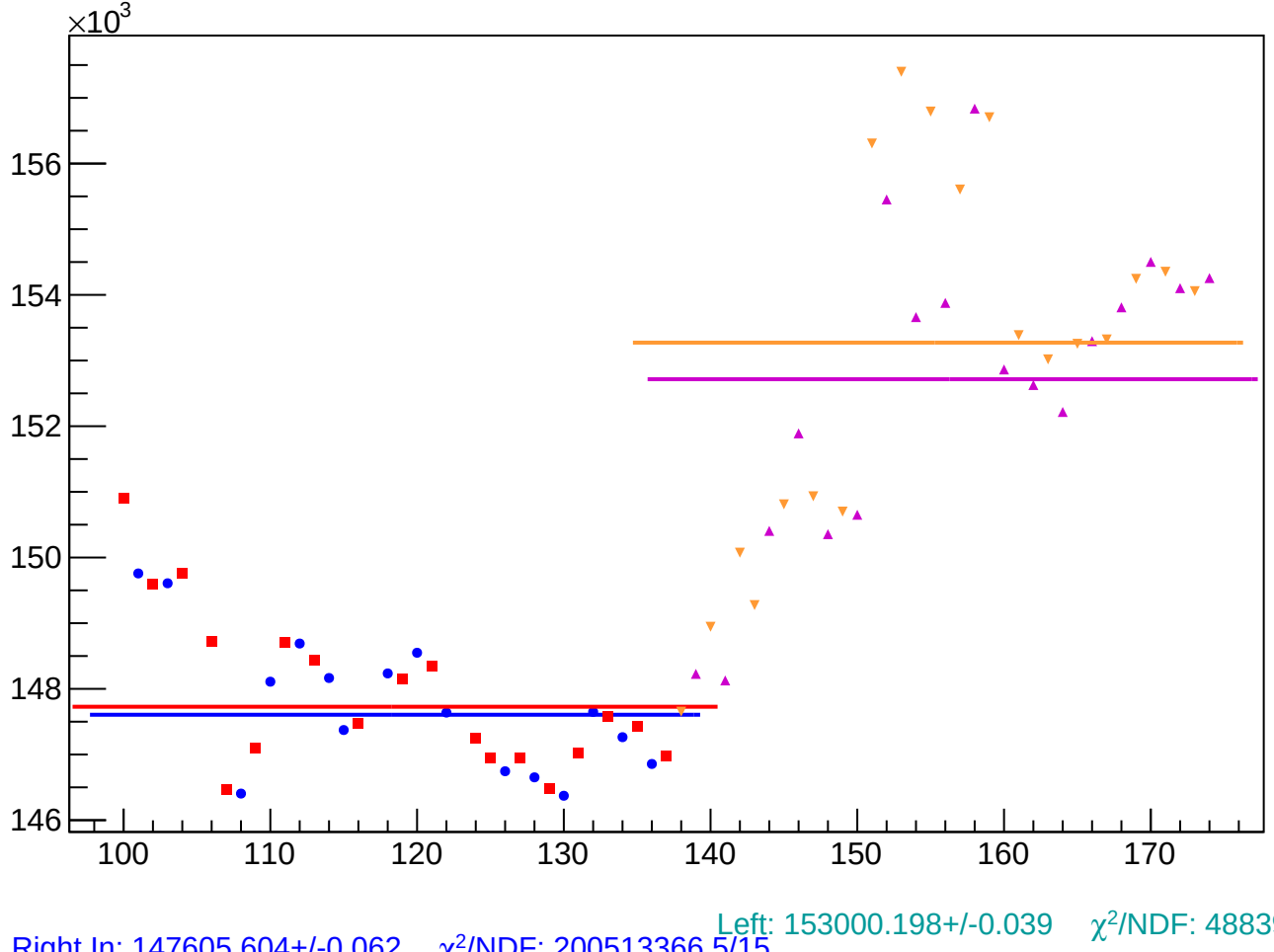
Left: 198.952+/-0.026 χ^2/NDF: 1279494.3/36

Right: 123.469+/-0.025 χ^2/NDF: 3124061.5/34

In: 162.418+/-0.026 χ^2/NDF:4190251.0/33

Out: 155.777+/-0.025 χ^2/NDF:4579769.2/37

All: 158.948+/-0.018 χ^2/NDF: 8804139.3/71



Right In: 147605.604+/-0.062 χ^2/NDF: 200513366.5/15

Left Out: 153272.761+/-0.055 χ^2/NDF:2957832141.7/18

Right Out: 147727.598+/-0.059 χ^2/NDF: 194800119.4/18

Left In: 152715.719+/-0.056 χ^2/NDF:1876034761.7/17

Left: 153000.198+/-0.039 χ^2/NDF: 4883974569.8/3

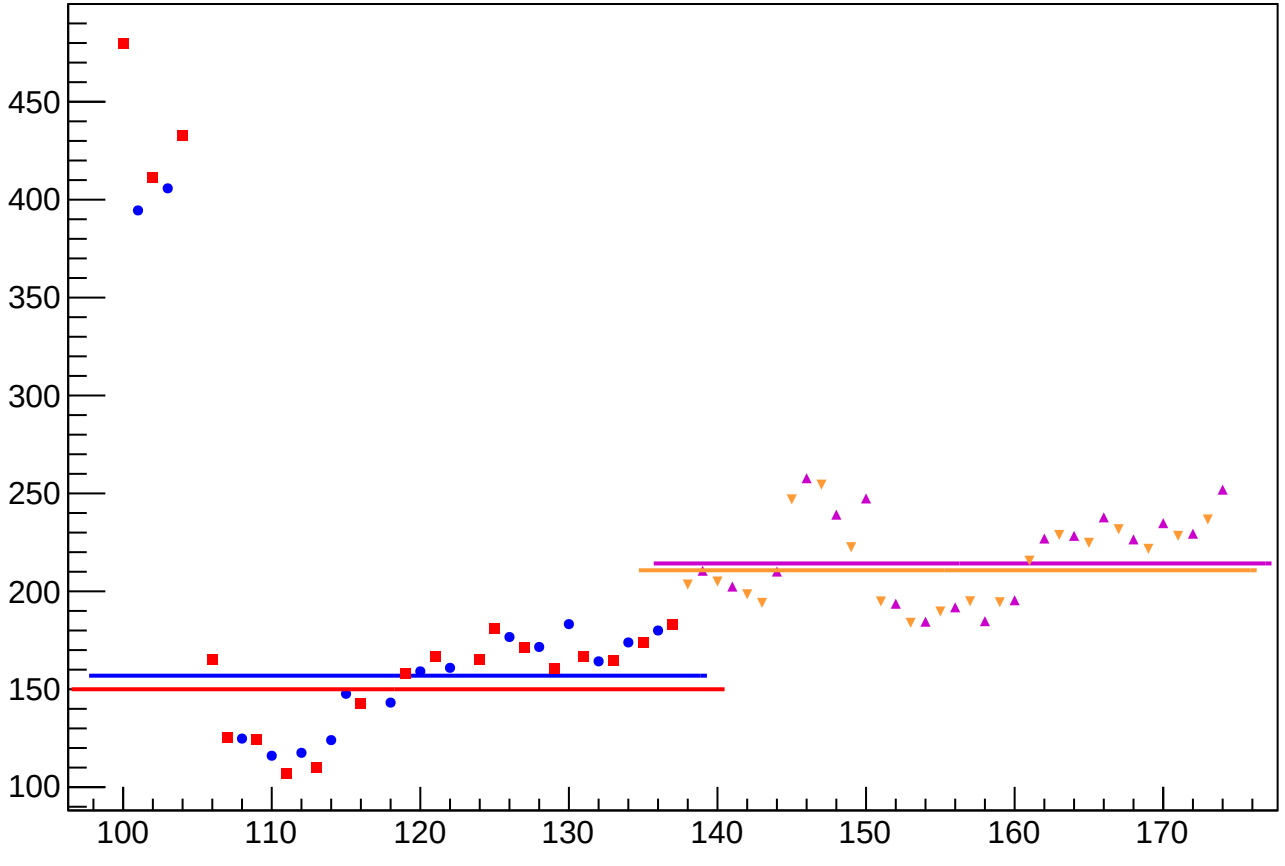
Right: 147670.157+/-0.043 χ^2/NDF: 397331184.2/3

In: 150428.440+/-0.042 χ^2/NDF:5772415439.2/33

Out: 150689.042+/-0.040 χ^2/NDF:7880989081.2/3

All: 150563.727+/-0.029 χ^2/NDF: 13673585

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 156.927+/-0.044 χ^2/NDF: 1265768.6/15

Left Out: 210.753+/-0.039 χ^2/NDF:254973.1/18

Right Out: 149.994+/-0.042 χ^2/NDF: 1453928.8/18

Left In: 214.242+/-0.040 χ^2/NDF:335391.3/17

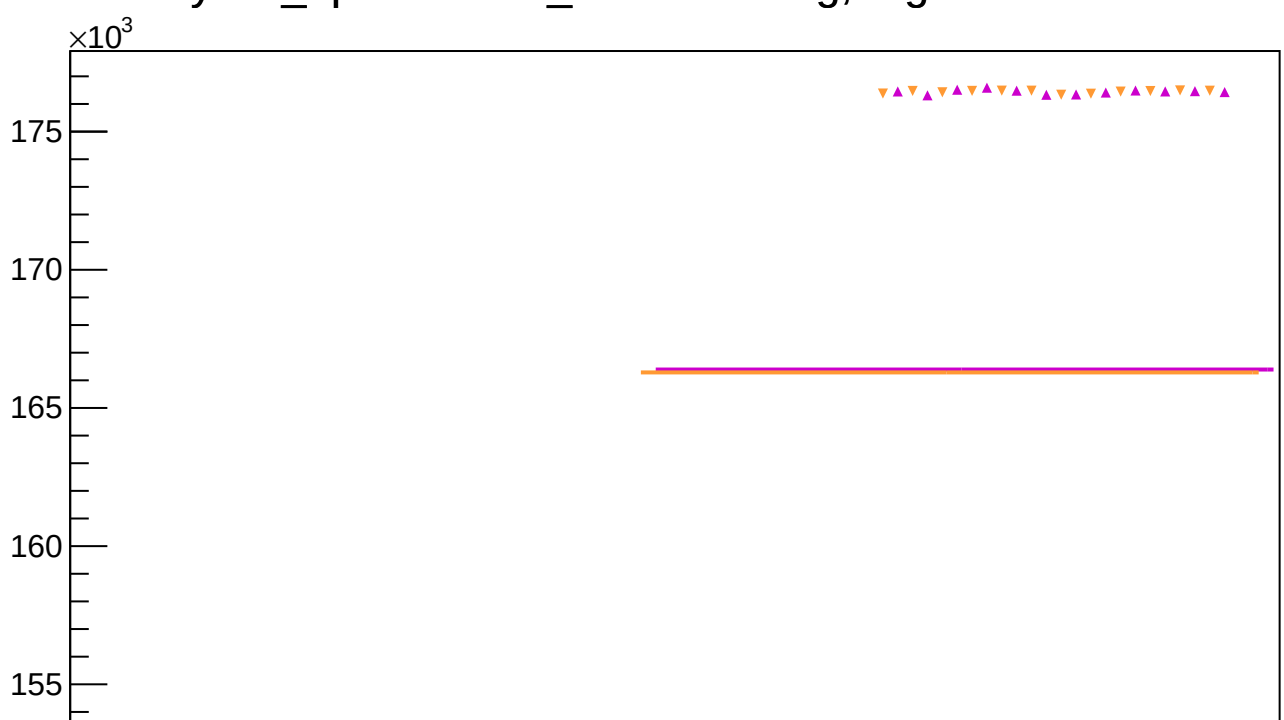
Left: 212.460+/-0.028 χ^2/NDF: 594294.6/36

Right: 153.258+/-0.030 χ^2/NDF: 2732730.8/34

In: 188.588+/-0.030 χ^2/NDF:2531023.6/33

Out: 182.443+/-0.028 χ^2/NDF:2844277.5/37

All: 185.398+/-0.020 χ^2/NDF: 5397741.3/71



Right In: 150568.638+/-0.055 χ^2/NDF: 237155171.8/15

Left Out: 166285.952+/-0.050 χ^2/NDF:55759171910.9/18

Right Out: 150561.647+/-0.051 χ^2/NDF: 197500782.5/18

Left In: 166390.594+/-0.052 χ^2/NDF:52514370933.6/17

Left: 166336.625+/-0.036 χ^2/NDF: 108275662556.

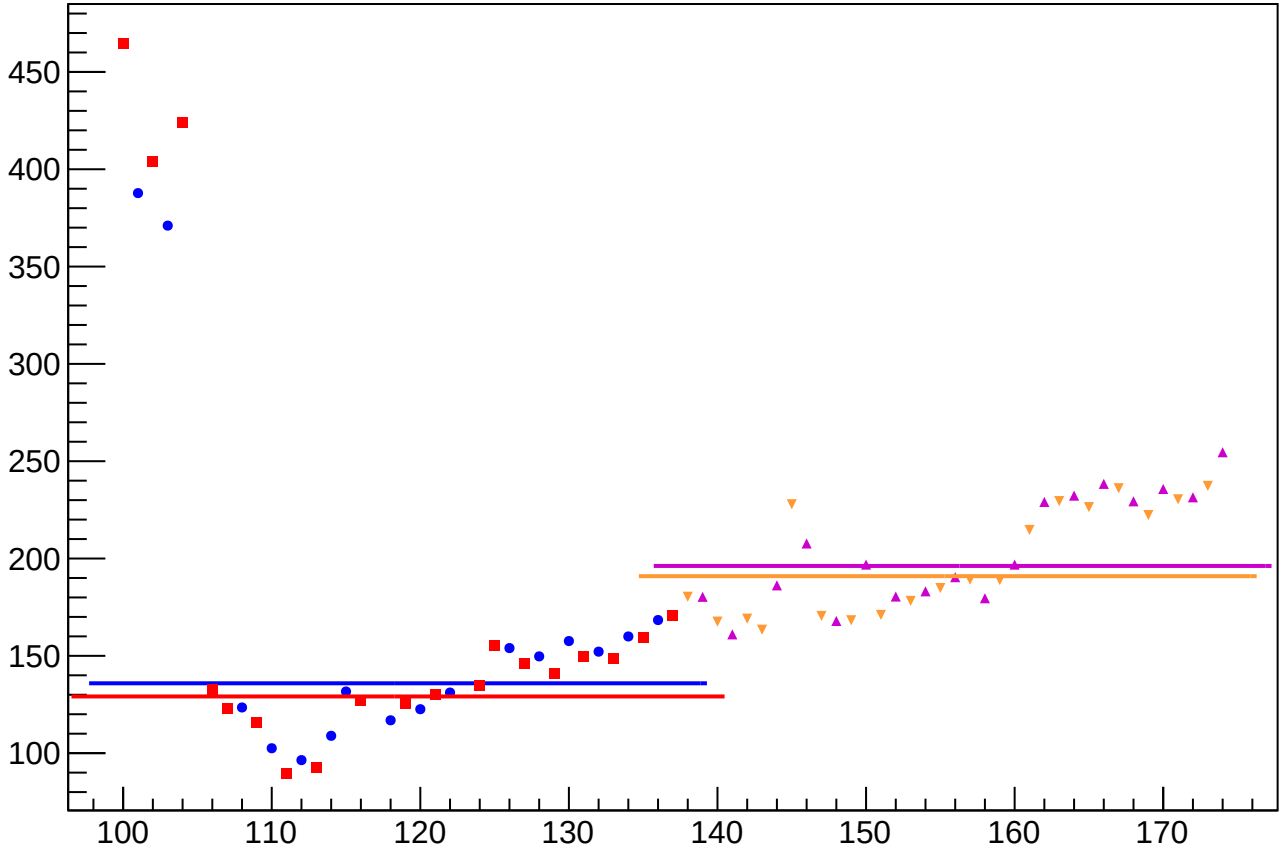
Right: 150564.903+/-0.037 χ^2/NDF: 434664709.4/3

In: 158925.248+/-0.038 χ^2/NDF:97085474538.8/3

Out: 158574.348+/-0.036 χ^2/NDF:104431853347.

All: 158741.132+/-0.026 χ^2/NDF: 20156324

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 135.896+/-0.039 χ^2/NDF: 1416332.3/15

Left Out: 190.936+/-0.035 χ^2/NDF:520372.5/18

Right Out: 129.130+/-0.036 χ^2/NDF: 1614311.0/18

Left In: 196.186+/-0.036 χ^2/NDF:497568.0/17

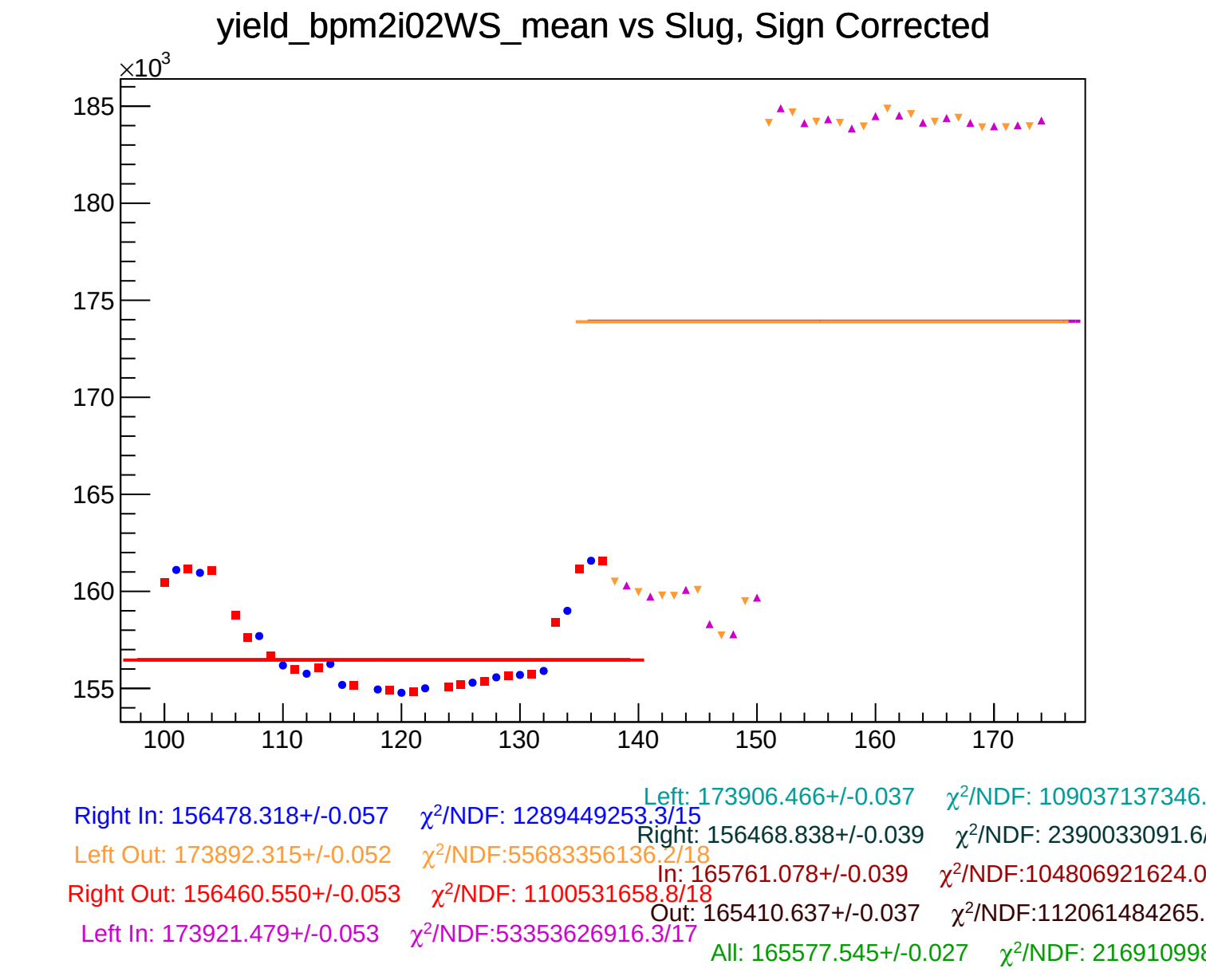
Left: 193.478+/-0.025 χ^2/NDF: 1028608.5/36

Right: 132.281+/-0.026 χ^2/NDF: 3047045.4/34

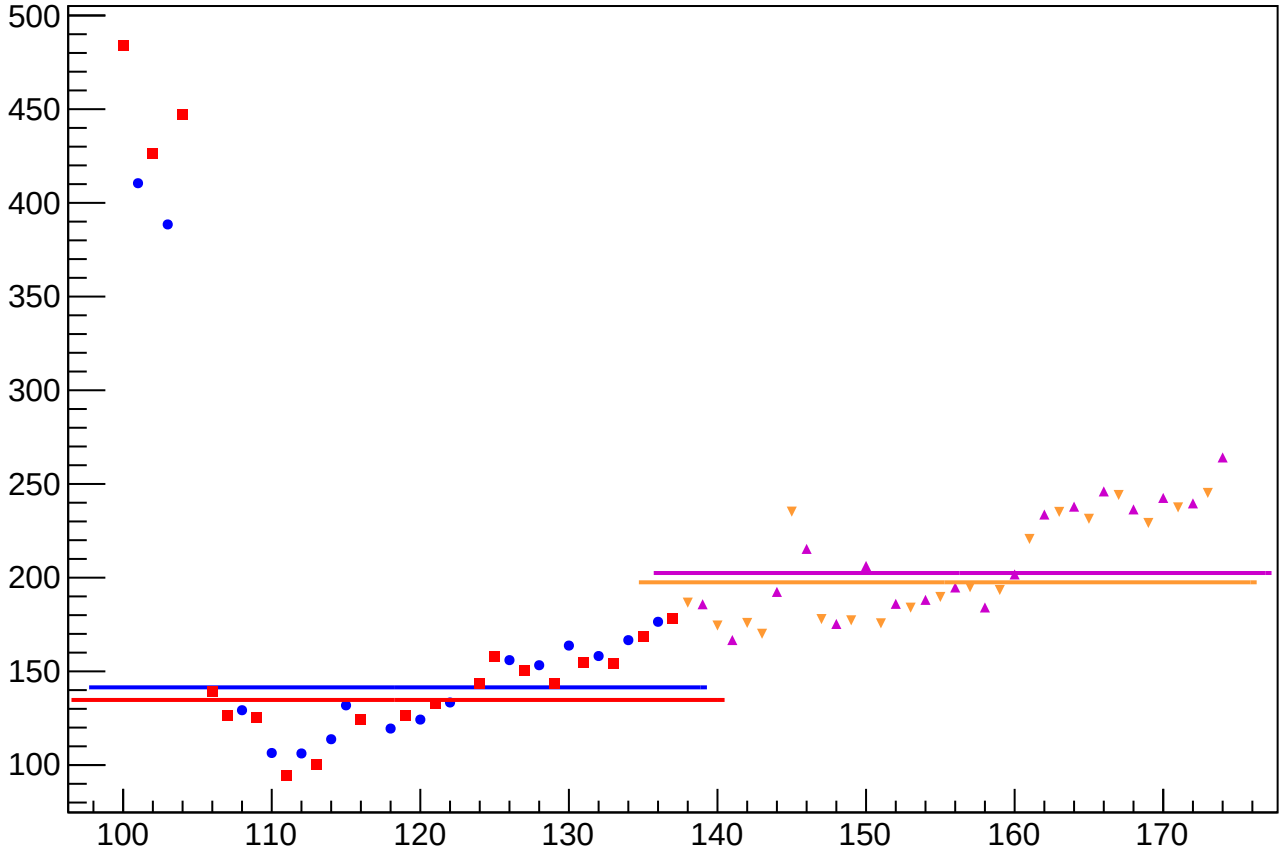
In: 167.739+/-0.027 χ^2/NDF:3201346.1/33

Out: 160.625+/-0.025 χ^2/NDF:3632528.3/37

All: 164.006+/-0.018 χ^2/NDF: 6871613.5/71


yield_bpm2i02WS_mean vs Slug, Sign Corrected
×10^3
185
180
175
170
165
160
155
100
110
120
130
140
150
160
170
Right In: 156478.318+/-0.057 χ²/NDF: 1289449253.3/15
Left Out: 173892.315+/-0.052 χ²/NDF:55683356136.2/18
Right Out: 156460.550+/-0.053 χ²/NDF: 1100531658.8/18
Left In: 173921.479+/-0.053 χ²/NDF:53353626916.3/17
Left: 173906.466+/-0.037 χ²/NDF: 109037137346.
Right: 156468.838+/-0.039 χ²/NDF: 2390033091.6
In: 165761.078+/-0.039 χ²/NDF:104806921624.0
Out: 165410.637+/-0.037 χ²/NDF:112061484265.
All: 165577.545+/-0.027 χ²/NDF: 21691099

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 141.470+/-0.040 χ^2/NDF: 1391933.2/15

Left Out: 197.524+/-0.037 χ^2/NDF:490765.9/18

Right Out: 134.746+/-0.038 χ^2/NDF: 1579031.5/18

Left In: 202.486+/-0.038 χ^2/NDF:490054.3/17

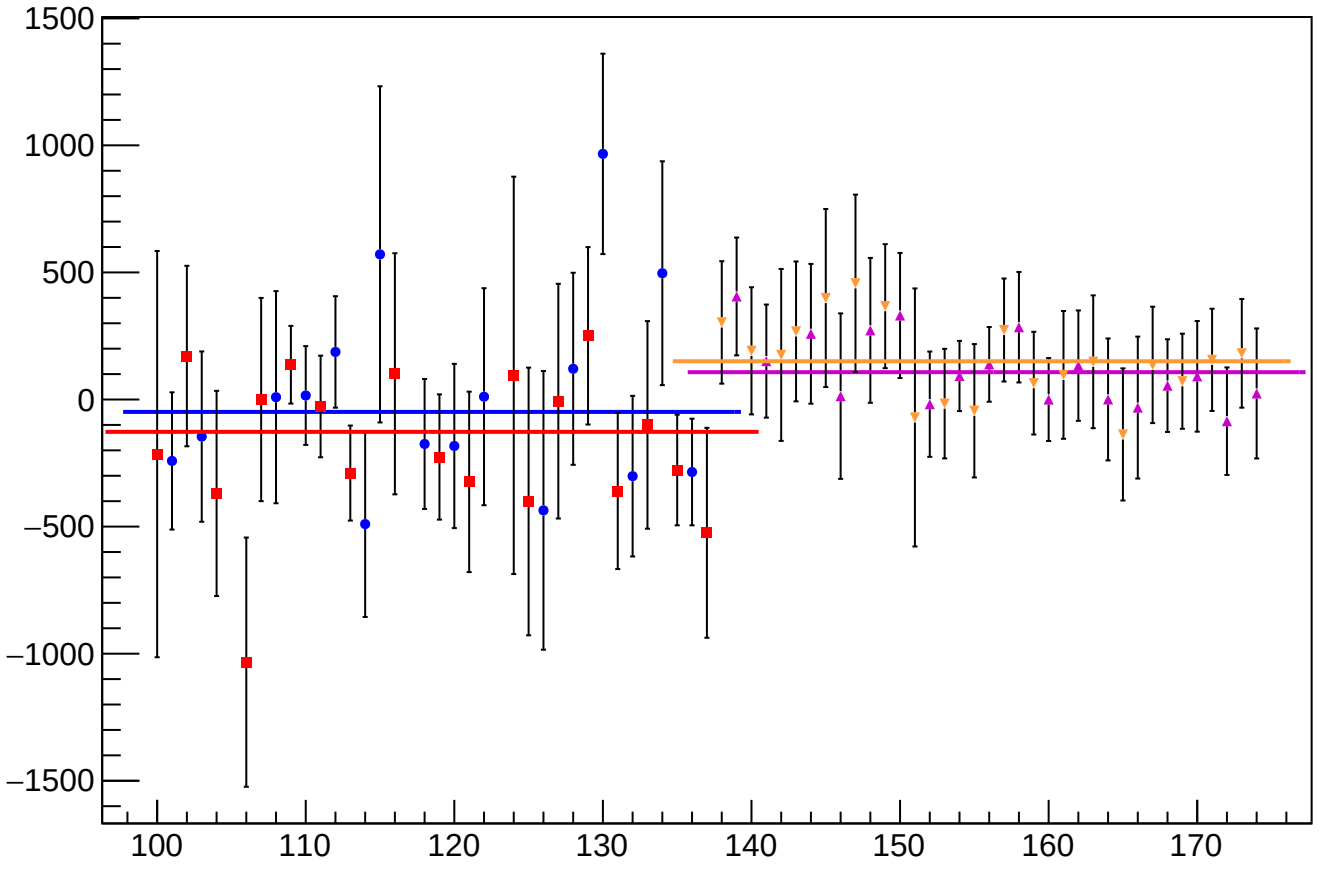
Left: 199.932+/-0.026 χ^2/NDF: 989754.2/36

Right: 137.883+/-0.027 χ^2/NDF: 2985912.1/34

In: 173.941+/-0.027 χ^2/NDF:3109603.7/33

Out: 166.978+/-0.026 χ^2/NDF:3503698.2/37

All: 170.295+/-0.019 χ^2/NDF: 6646930.3/71



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 150.546+/-56.200 χ^2/NDF:6.0/18

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.582+/-49.308 χ^2/NDF:6.2/17

Left: 126.269+/-37.065 χ^2/NDF: 12.6/36

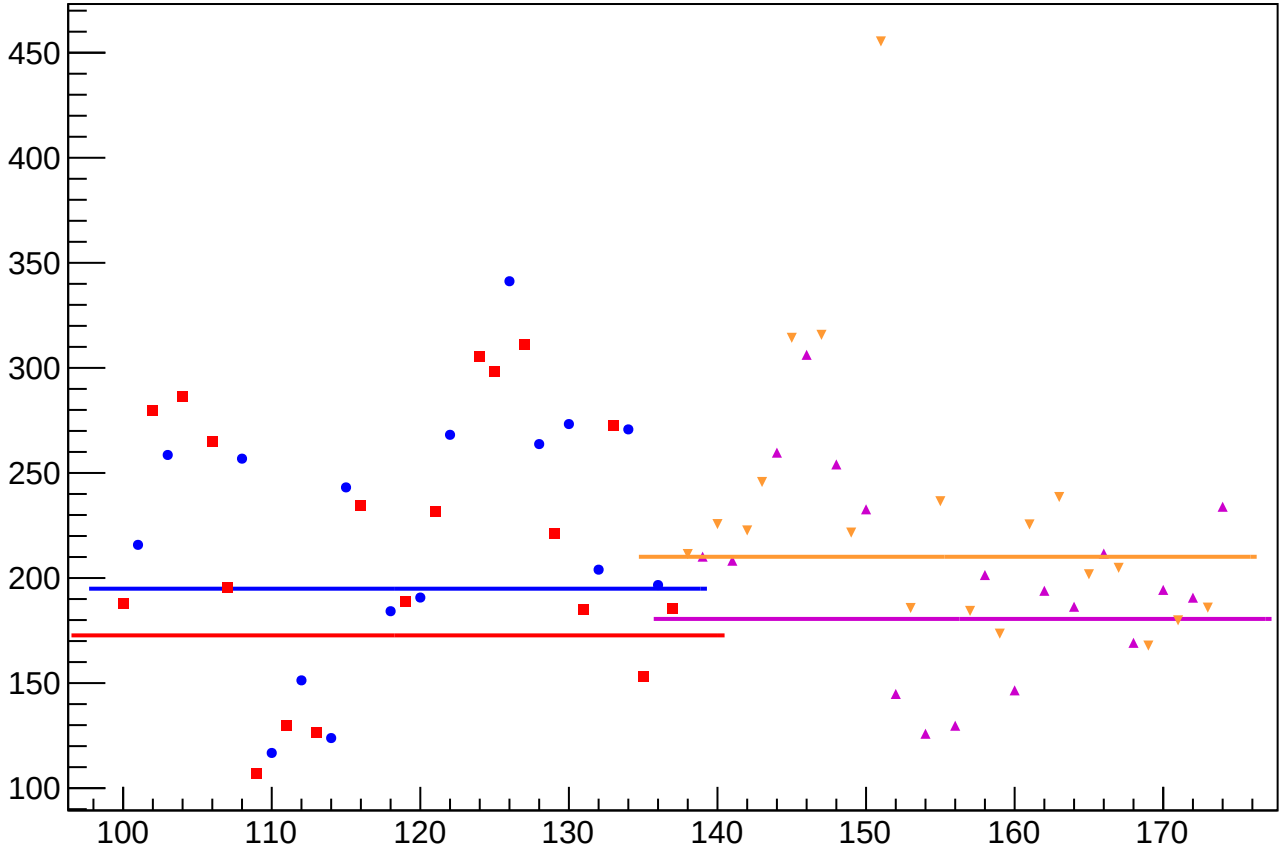
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 61.775+/-41.459 χ^2/NDF:24.6/33

Out: 38.796+/-43.450 χ^2/NDF:28.7/37

All: 50.824+/-29.995 χ^2/NDF: 53.5/71

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 210.112+/-0.040 χ^2/NDF:1226357.8/18

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

Left: 193.402+/-0.026 χ^2/NDF: 3147864.5/36

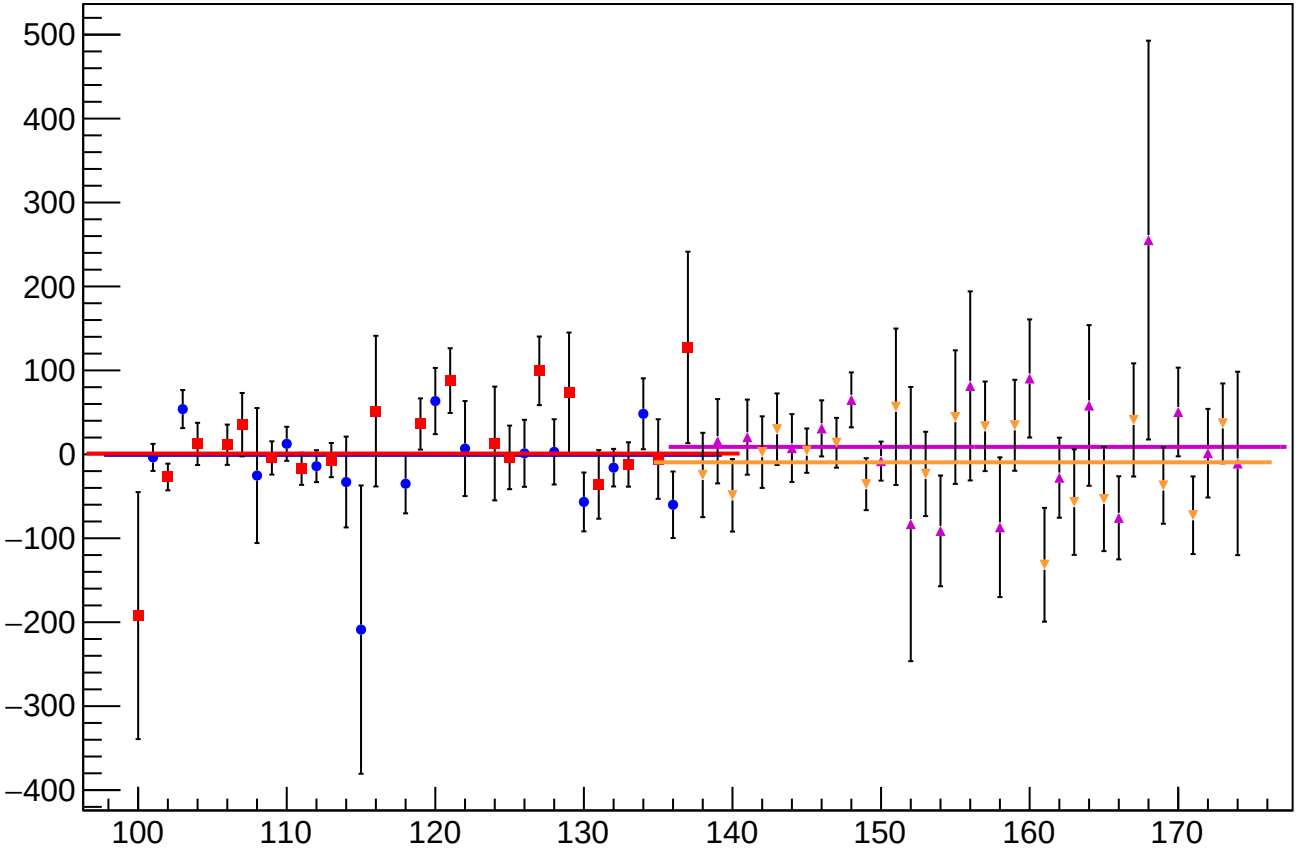
Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.754+/-0.029 χ^2/NDF:2687361.7/33

Out: 195.064+/-0.031 χ^2/NDF:3214171.5/37

All: 189.667+/-0.021 χ^2/NDF: 5960473.3/71

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.624+/-7.340 χ^2/NDF: 18.9/15

Left Out: -9.501+/-10.342 χ^2/NDF:13.9/18

Right Out: 0.938+/-6.767 χ^2/NDF: 23.1/18

Left In: 8.866+/-11.430 χ^2/NDF:15.2/17

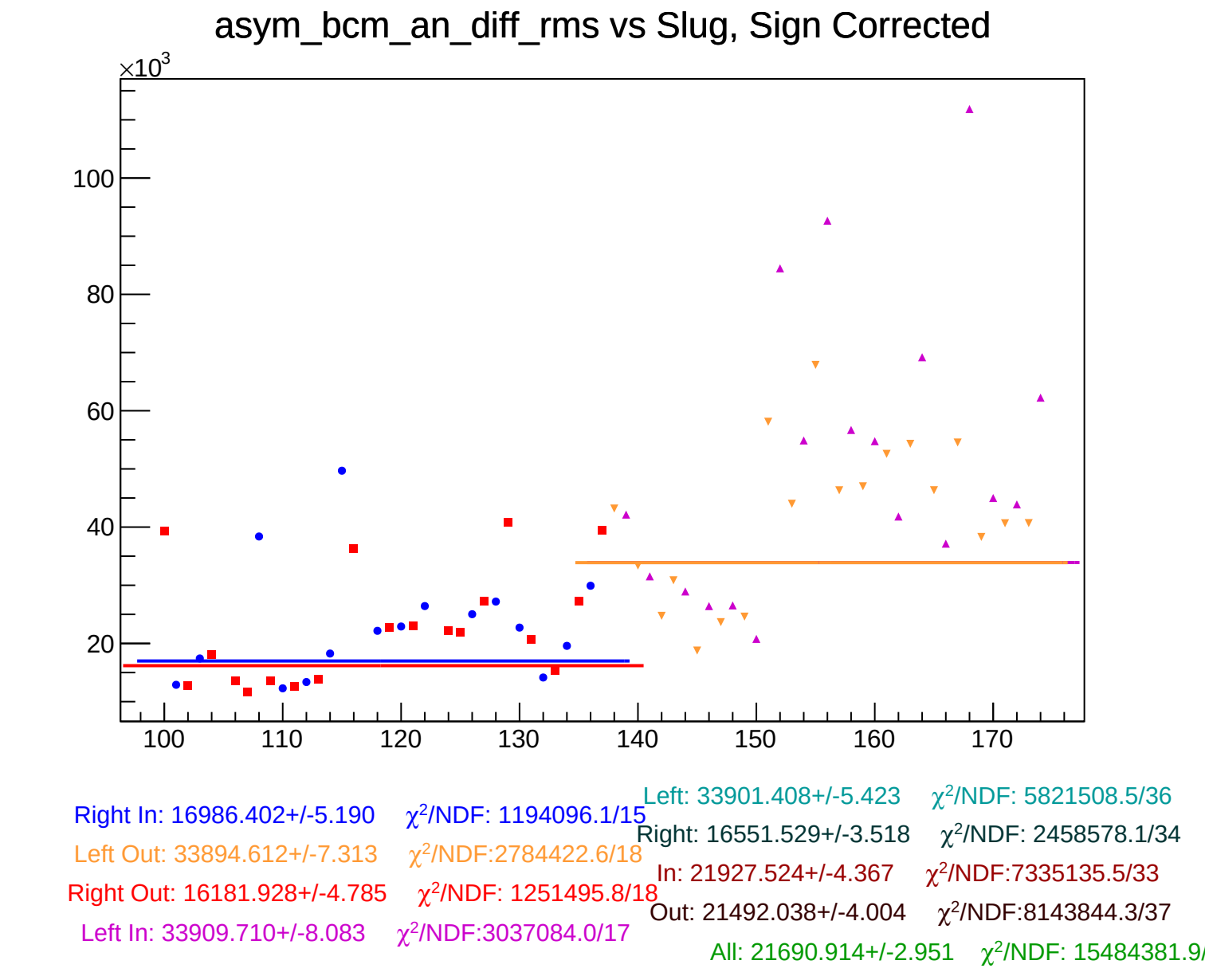
Left: -1.234+/-7.669 χ^2/NDF: 30.5/36

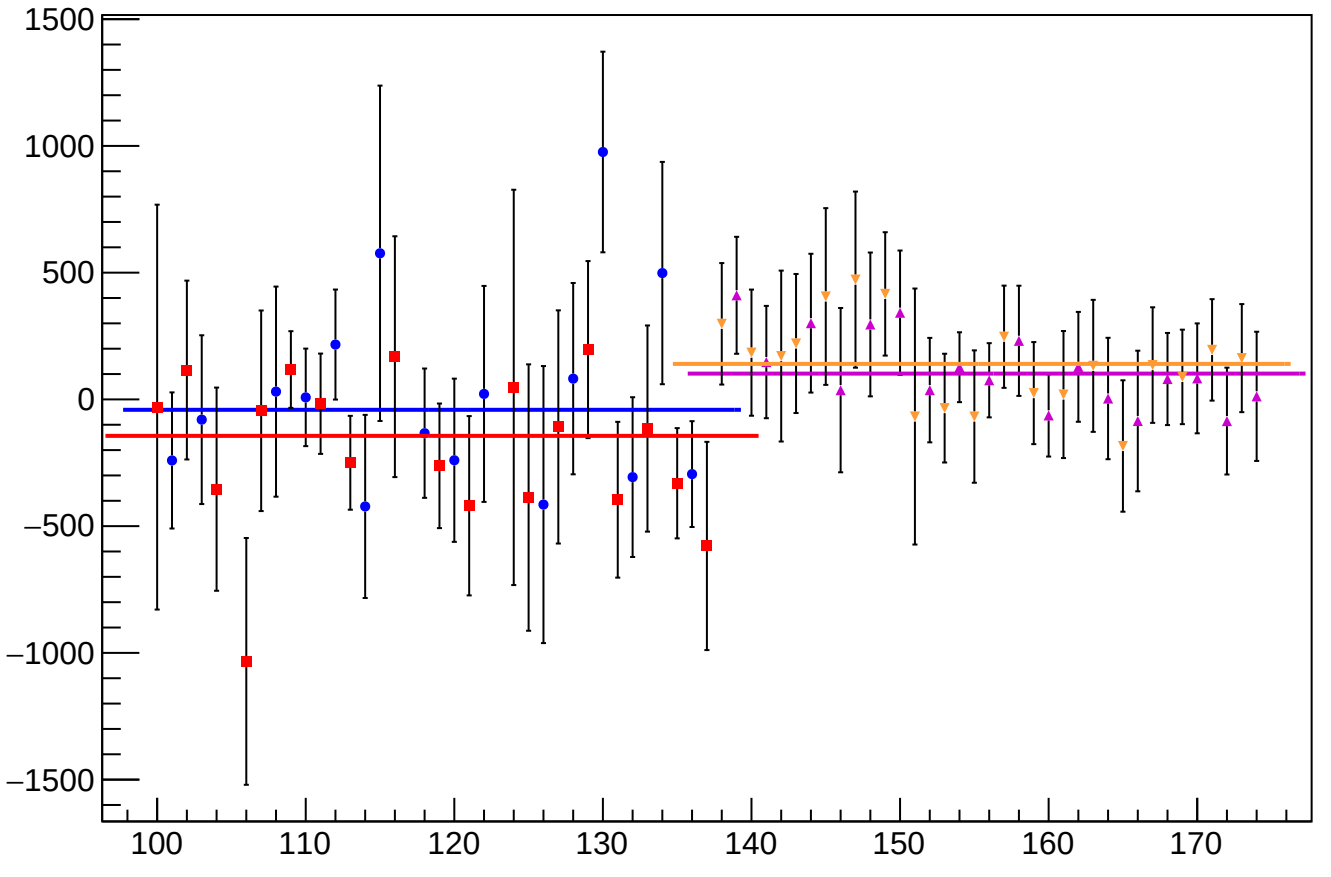
Right: 0.220+/-4.975 χ^2/NDF: 42.0/34

In: 2.147+/-6.176 χ^2/NDF:34.6/33

Out: -2.192+/-5.663 χ^2/NDF:37.6/37

All: -0.210+/-4.174 χ^2/NDF: 72.5/71


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
110
120
130
140
150
160
170
Right In: 16986.402+/-5.190 χ²/NDF: 1194096.1/15
Left Out: 33894.612+/-7.313 χ²/NDF:2784422.6/18
Right Out: 16181.928+/-4.785 χ²/NDF: 1251495.8/18
Left In: 33909.710+/-8.083 χ²/NDF:3037084.0/17
Left: 33901.408+/-5.423 χ²/NDF: 5821508.5/36
Right: 16551.529+/-3.518 χ²/NDF: 2458578.1/34
In: 21927.524+/-4.367 χ²/NDF:7335135.5/33
Out: 21492.038+/-4.004 χ²/NDF:8143844.3/37
All: 21690.914+/-2.951 χ²/NDF: 15484381.9/



Right In: -41.048+/-76.156 χ^2/NDF: 15.5/15

Left Out: 140.098+/-55.971 χ^2/NDF:7.4/18

Right Out: -143.821+/-68.080 χ^2/NDF: 13.0/18

Left In: 101.759+/-49.134 χ^2/NDF:7.0/17

Left: 118.445+/-36.925 χ^2/NDF: 14.6/36

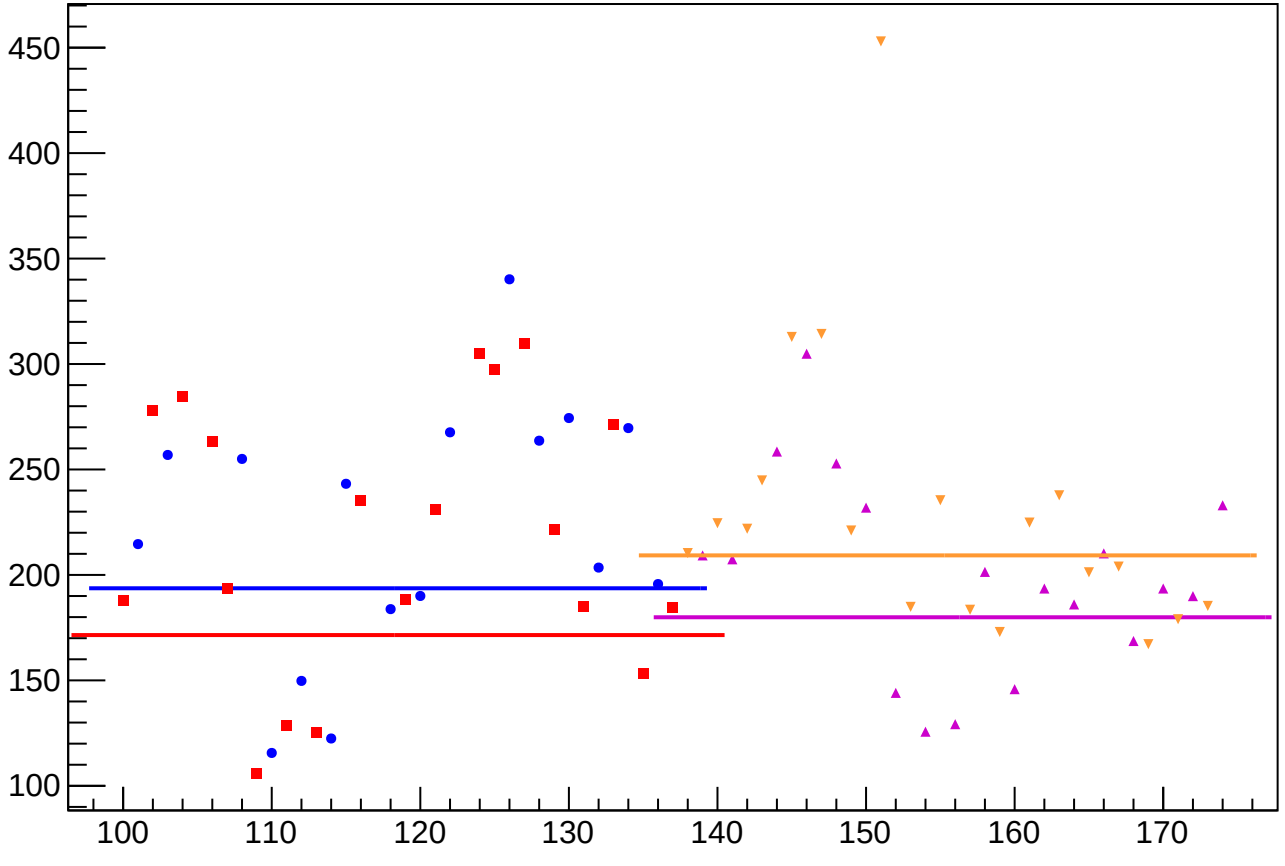
Right: -98.171+/-50.756 χ^2/NDF: 29.5/34

In: 59.786+/-41.287 χ^2/NDF:24.9/33

Out: 25.590+/-43.235 χ^2/NDF:30.8/37

All: 43.476+/-29.859 χ^2/NDF: 56.0/71

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.670+/-0.054 χ^2/NDF: 1049772.0/15

Left Out: 209.268+/-0.040 χ^2/NDF:1225052.8/18

Right Out: 171.484+/-0.048 χ^2/NDF: 1652989.7/18

Left In: 179.922+/-0.035 χ^2/NDF:1605140.8/17

Left: 192.694+/-0.026 χ^2/NDF: 3140703.0/36

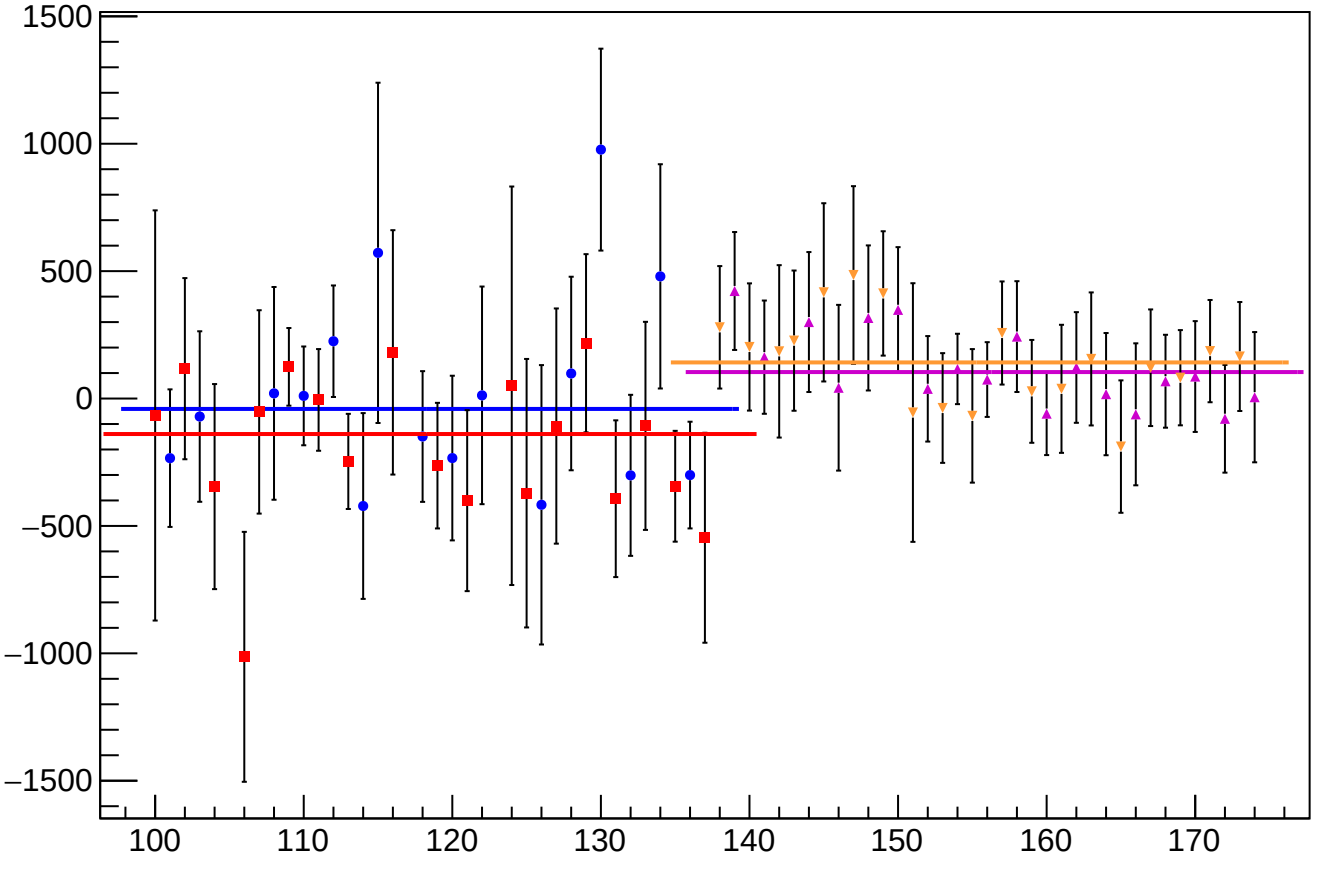
Right: 181.339+/-0.036 χ^2/NDF: 2797109.1/34

In: 183.963+/-0.029 χ^2/NDF:2700937.2/33

Out: 194.029+/-0.031 χ^2/NDF:3245627.0/37

All: 188.764+/-0.021 χ^2/NDF: 6003271.8/71

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -40.798+/-76.579 χ^2/NDF: 15.4/15

Left Out: 141.725+/-56.145 χ^2/NDF:7.4/18

Right Out: -139.292+/-68.459 χ^2/NDF: 12.9/18

Left In: 103.890+/-49.265 χ^2/NDF:7.1/17

Left: 120.349+/-37.031 χ^2/NDF: 14.7/36

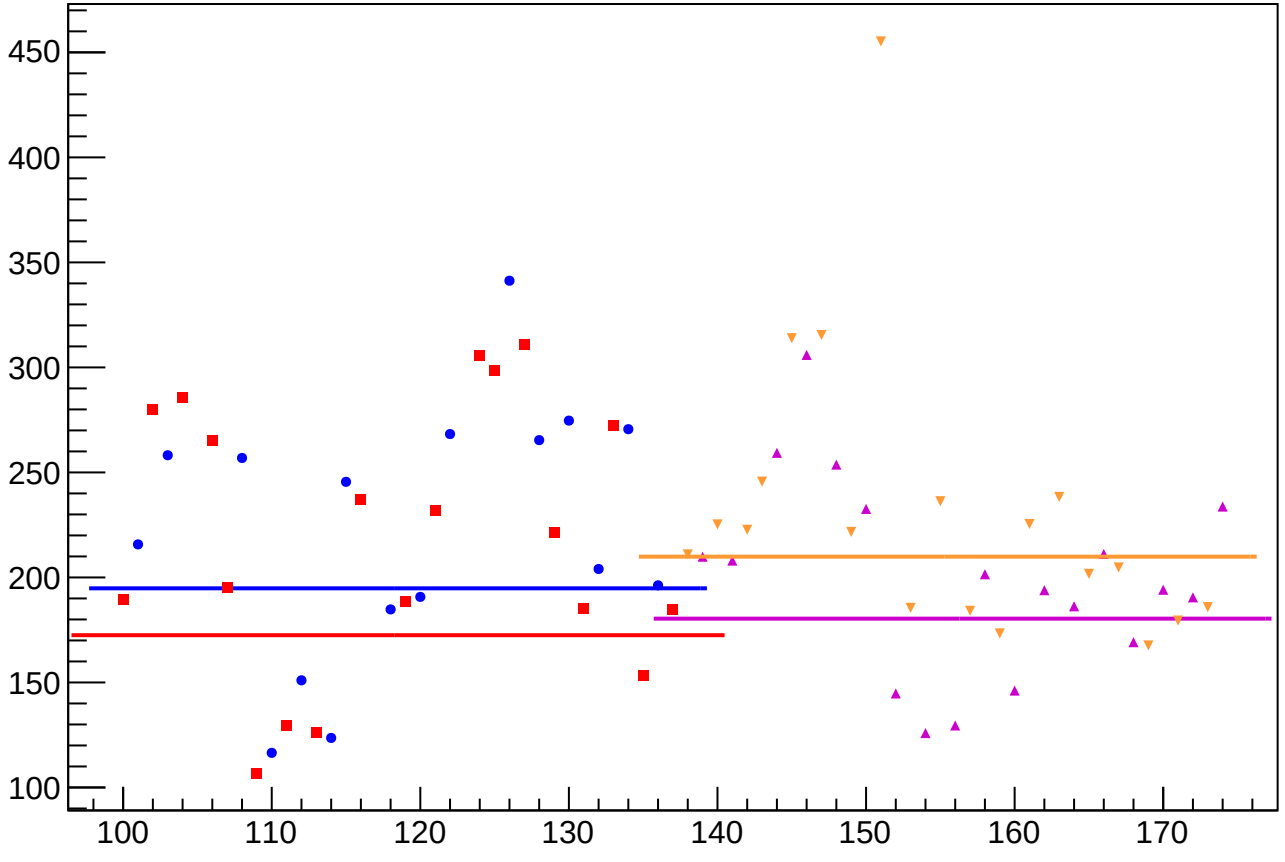
Right: -95.542+/-51.038 χ^2/NDF: 29.2/34

In: 61.537+/-41.432 χ^2/NDF:25.0/33

Out: 28.719+/-43.413 χ^2/NDF:30.4/37

All: 45.894+/-29.973 χ^2/NDF: 55.6/71

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.819+/-0.054 χ^2/NDF: 1039096.7/15

Left Out: 209.899+/-0.040 χ^2/NDF:1228008.8/18

Right Out: 172.507+/-0.048 χ^2/NDF: 1642059.1/18

Left In: 180.382+/-0.035 χ^2/NDF:1608894.7/17

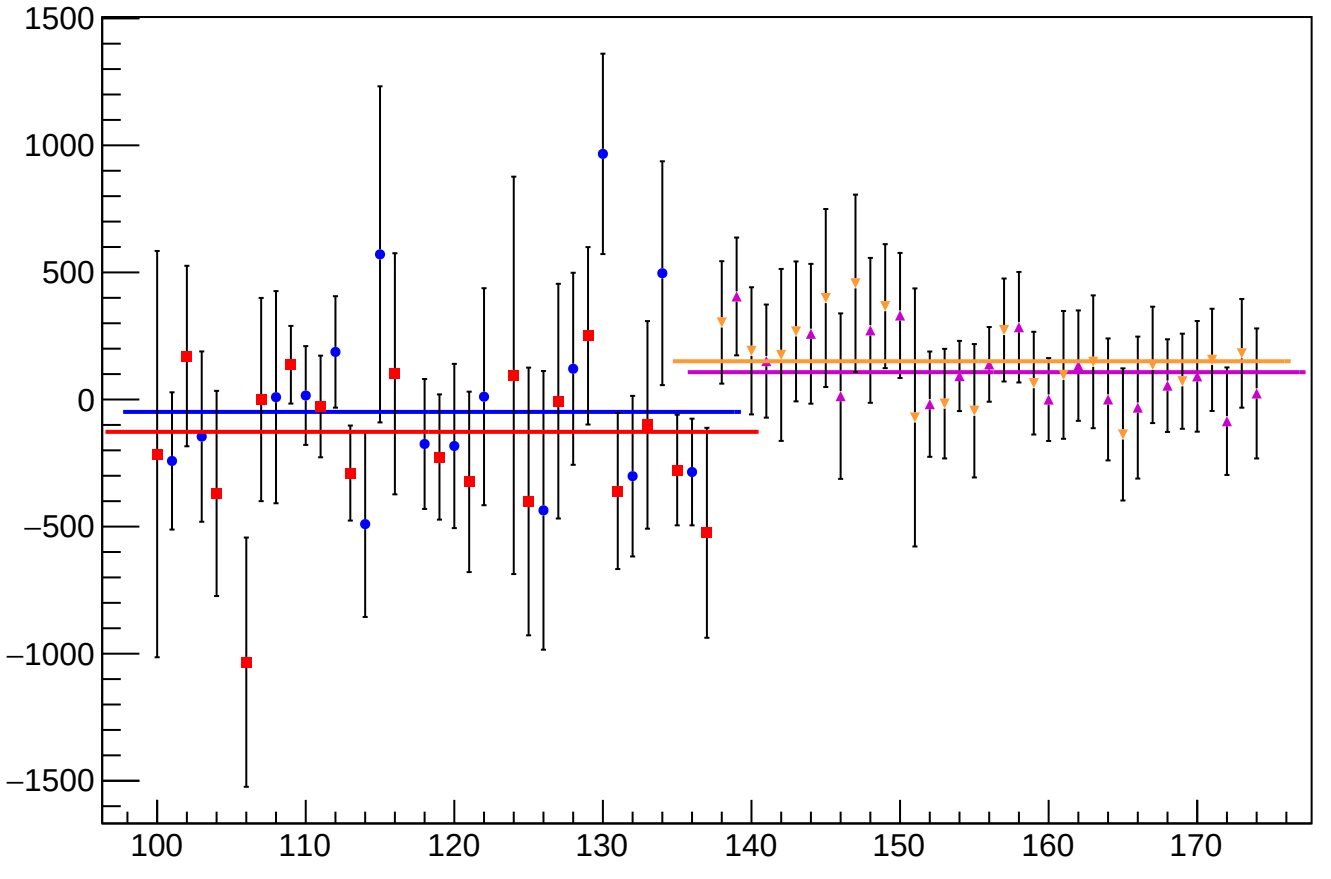
Left: 193.222+/-0.026 χ^2/NDF: 3149208.7/36

Right: 182.418+/-0.036 χ^2/NDF: 2775527.6/34

In: 184.608+/-0.029 χ^2/NDF:2698268.8/33

Out: 194.862+/-0.031 χ^2/NDF:3226790.7/37

All: 189.496+/-0.021 χ^2/NDF: 5983452.9/71



Right In: -48.749+/-76.592 χ^2/NDF: 15.4/15

Left Out: 150.546+/-56.200 χ^2/NDF:6.0/18

Right Out: -127.249+/-68.506 χ^2/NDF: 12.9/18

Left In: 107.582+/-49.308 χ^2/NDF:6.2/17

Left: 126.269+/-37.065 χ^2/NDF: 12.6/36

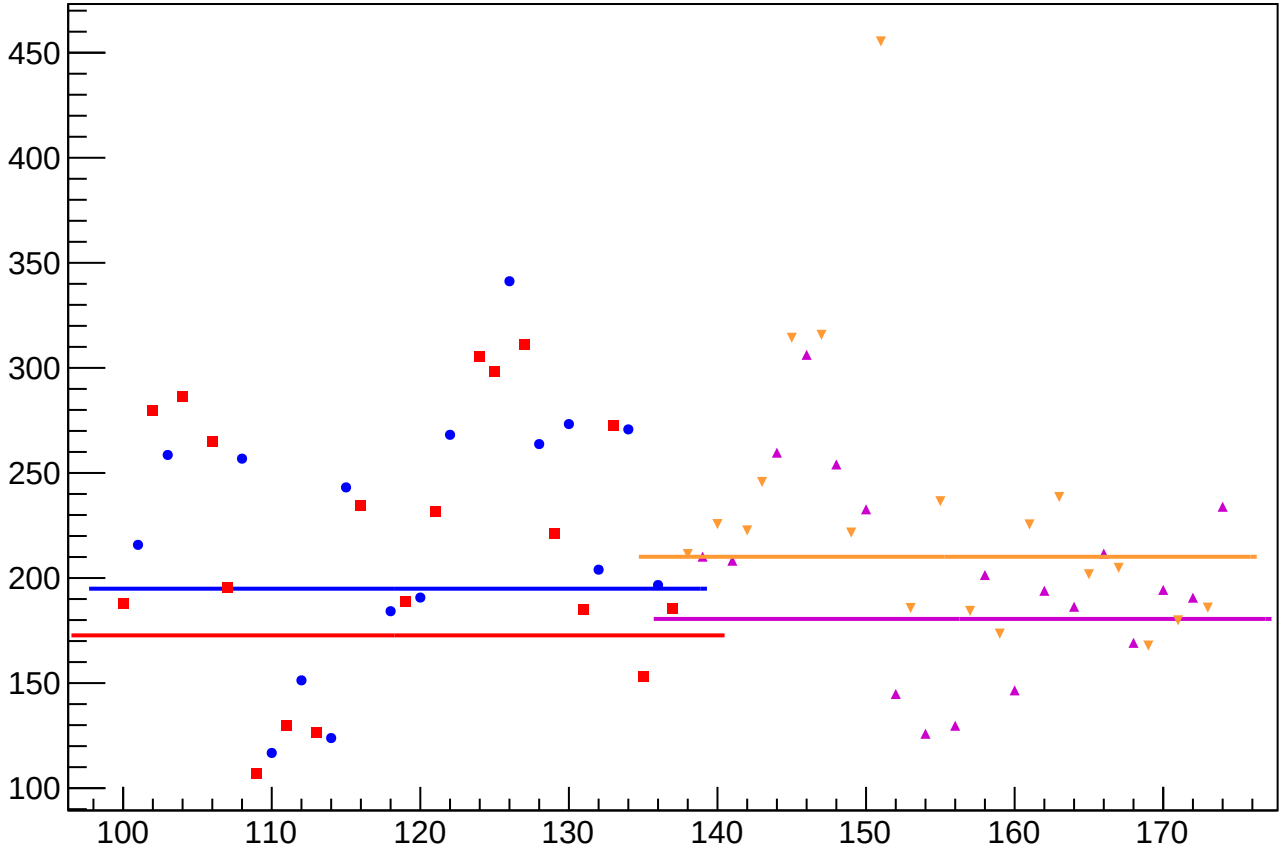
Right: -92.360+/-51.061 χ^2/NDF: 28.9/34

In: 61.775+/-41.459 χ^2/NDF:24.6/33

Out: 38.796+/-43.450 χ^2/NDF:28.7/37

All: 50.824+/-29.995 χ^2/NDF: 53.5/71

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.923+/-0.054 χ^2/NDF: 1028901.2/15

Left Out: 210.112+/-0.040 χ^2/NDF:1226357.8/18

Right Out: 172.704+/-0.048 χ^2/NDF: 1631350.4/18

Left In: 180.540+/-0.035 χ^2/NDF:1608598.5/17

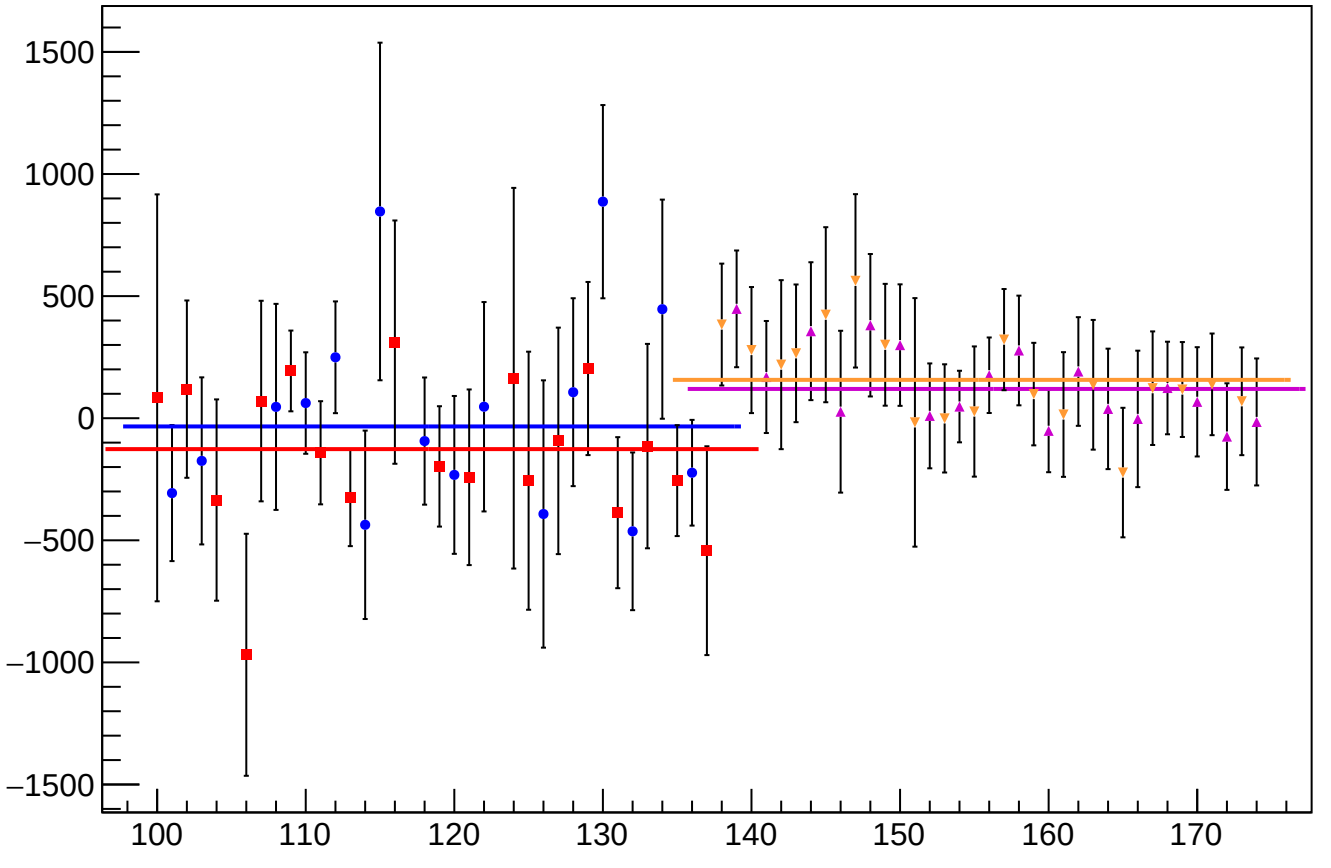
Left: 193.402+/-0.026 χ^2/NDF: 3147864.5/36

Right: 182.579+/-0.036 χ^2/NDF: 2753755.7/34

In: 184.754+/-0.029 χ^2/NDF:2687361.7/33

Out: 195.064+/-0.031 χ^2/NDF:3214171.5/37

All: 189.667+/-0.021 χ^2/NDF: 5960473.3/71



Right In: -33.731+/-78.996 χ^2/NDF: 15.7/15

Left Out: 157.040+/-57.698 χ^2/NDF:7.6/18

Right Out: -126.563+/-71.309 χ^2/NDF: 12.7/18

Left In: 119.853+/-51.046 χ^2/NDF:7.7/17

Left: 136.180+/-38.232 χ^2/NDF: 15.5/36

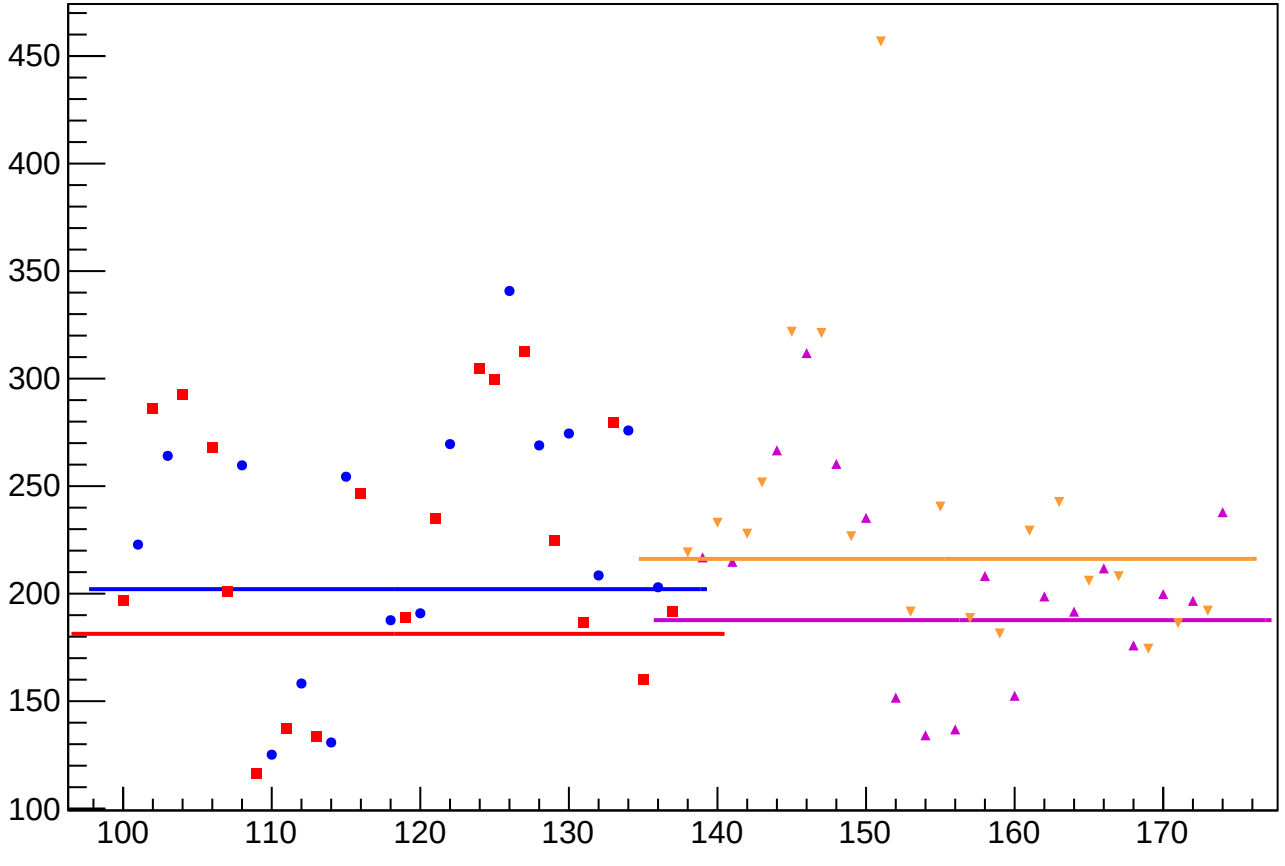
Right: -84.882+/-52.933 χ^2/NDF: 29.2/34

In: 74.613+/-42.874 χ^2/NDF:26.1/33

Out: 44.831+/-44.854 χ^2/NDF:29.8/37

All: 60.394+/-30.993 χ^2/NDF: 56.2/71

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.090+/-0.056 χ^2/NDF: 910259.2/15

Left Out: 216.178+/-0.041 χ^2/NDF:1161161.7/18

Right Out: 181.312+/-0.050 χ^2/NDF: 1440989.4/18

Left In: 187.687+/-0.036 χ^2/NDF:1445843.0/17

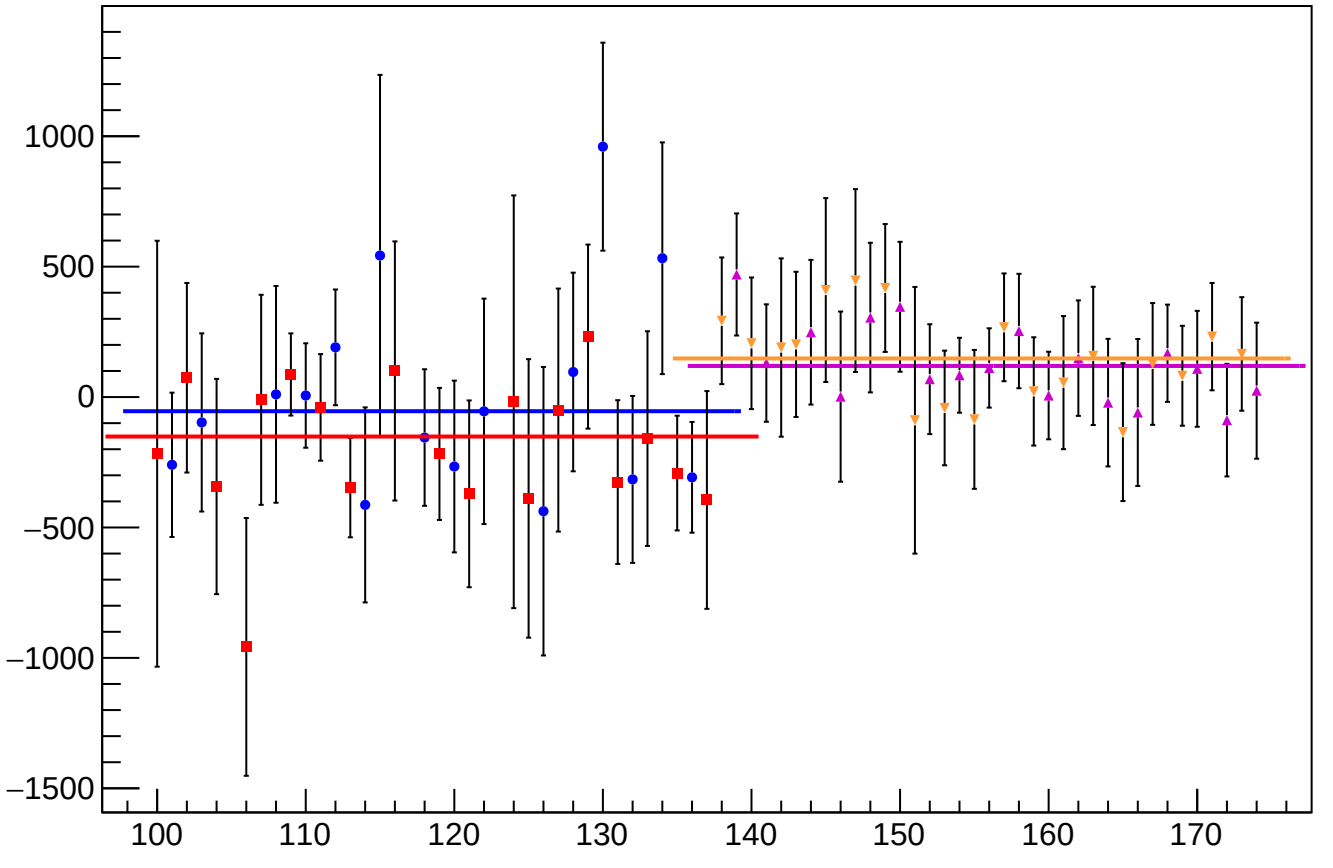
Left: 200.196+/-0.027 χ^2/NDF: 2880549.5/36

Right: 190.641+/-0.037 χ^2/NDF: 2427488.6/34

In: 191.930+/-0.030 χ^2/NDF:2403003.2/33

Out: 202.383+/-0.032 χ^2/NDF:2891098.6/37

All: 196.921+/-0.022 χ^2/NDF: 5350864.7/71



Right In: -54.254+/-77.946 χ^2/NDF: 15.1/15

Left Out: 148.010+/-57.121 χ^2/NDF:7.0/18

Right Out: -151.358+/-69.902 χ^2/NDF: 10.2/18

Left In: 119.275+/-50.367 χ^2/NDF:6.7/17

Left: 131.844+/-37.778 χ^2/NDF: 13.8/36

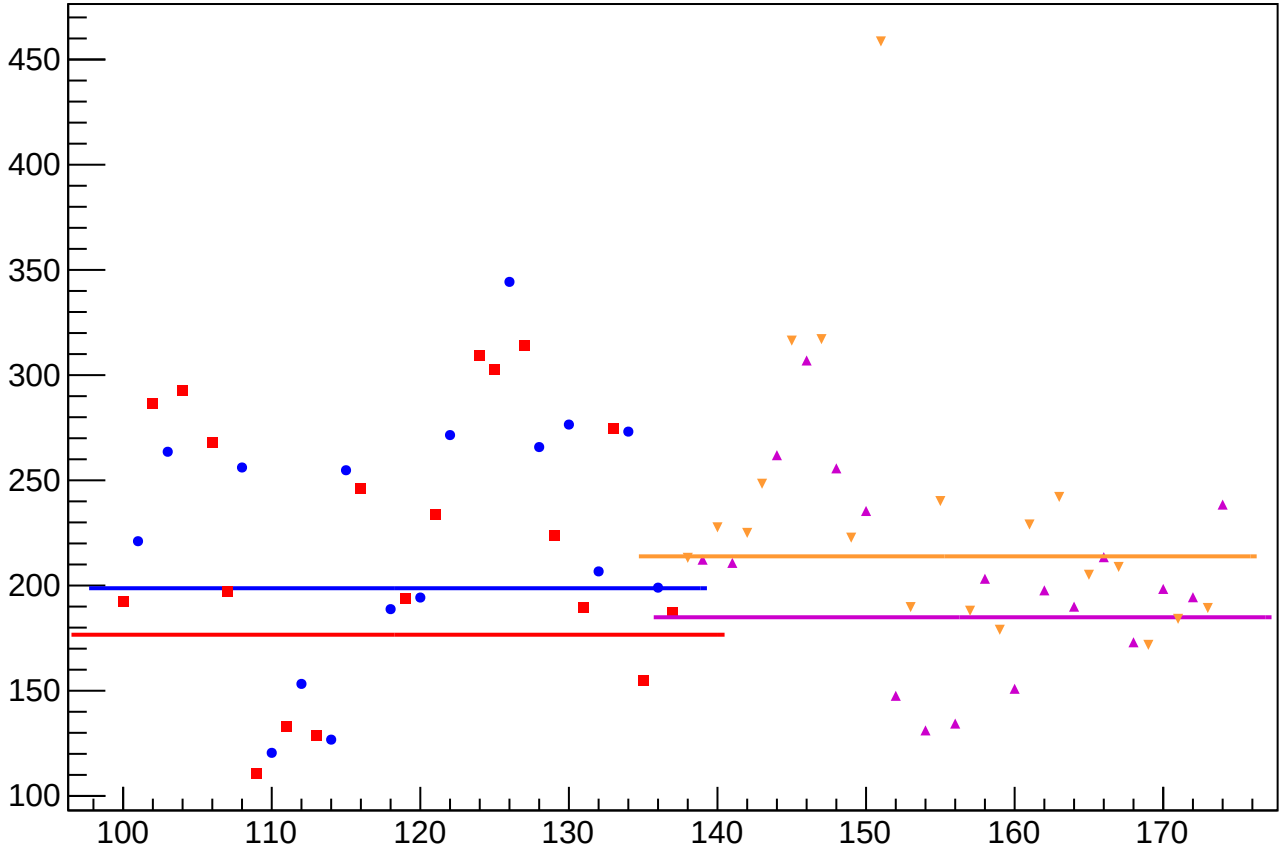
Right: -108.074+/-52.040 χ^2/NDF: 26.2/34

In: 68.160+/-42.304 χ^2/NDF:25.2/33

Out: 28.145+/-44.231 χ^2/NDF:28.2/37

All: 49.044+/-30.572 χ^2/NDF: 53.9/71

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.718+/-0.055 χ^2/NDF: 994068.9/15

Left Out: 213.870+/-0.040 χ^2/NDF:1170236.7/18

Right Out: 176.621+/-0.049 χ^2/NDF: 1595710.1/18

Left In: 184.923+/-0.036 χ^2/NDF:1483773.2/17

Left: 197.585+/-0.027 χ^2/NDF: 2942964.1/36

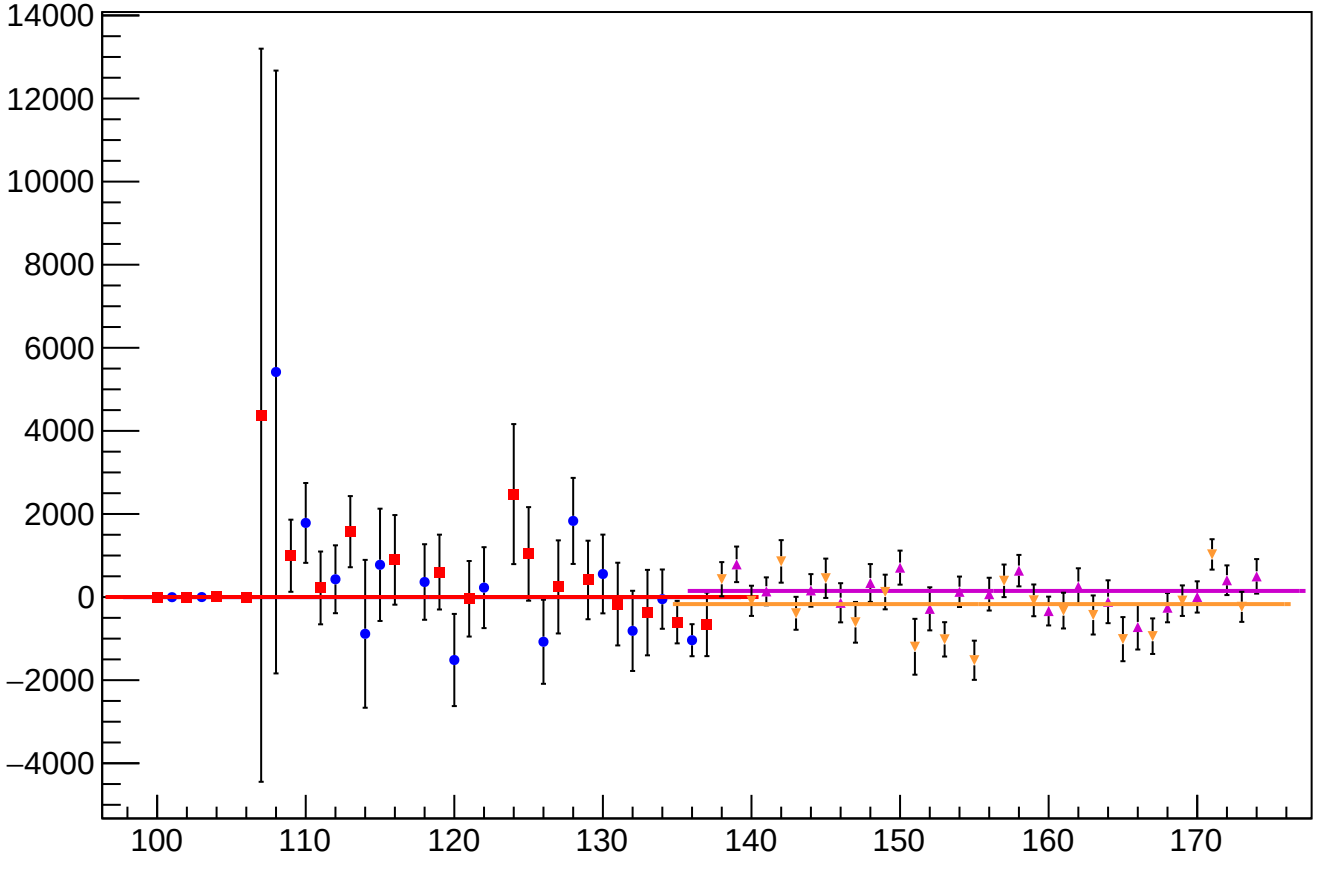
Right: 186.471+/-0.037 χ^2/NDF: 2678866.0/34

In: 188.987+/-0.030 χ^2/NDF:2522035.8/33

Out: 198.956+/-0.031 χ^2/NDF:3106467.6/37

All: 193.749+/-0.022 χ^2/NDF: 5681566.5/71

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.239+/-2.171 χ^2/NDF: 19.9/15

Left Out: -169.094+/-97.415 χ^2/NDF:43.4/18

Right Out: 1.377+/-2.022 χ^2/NDF: 16.8/18

Left In: 147.800+/-95.326 χ^2/NDF:14.6/17

Left: -7.212+/-68.132 χ^2/NDF: 63.3/36

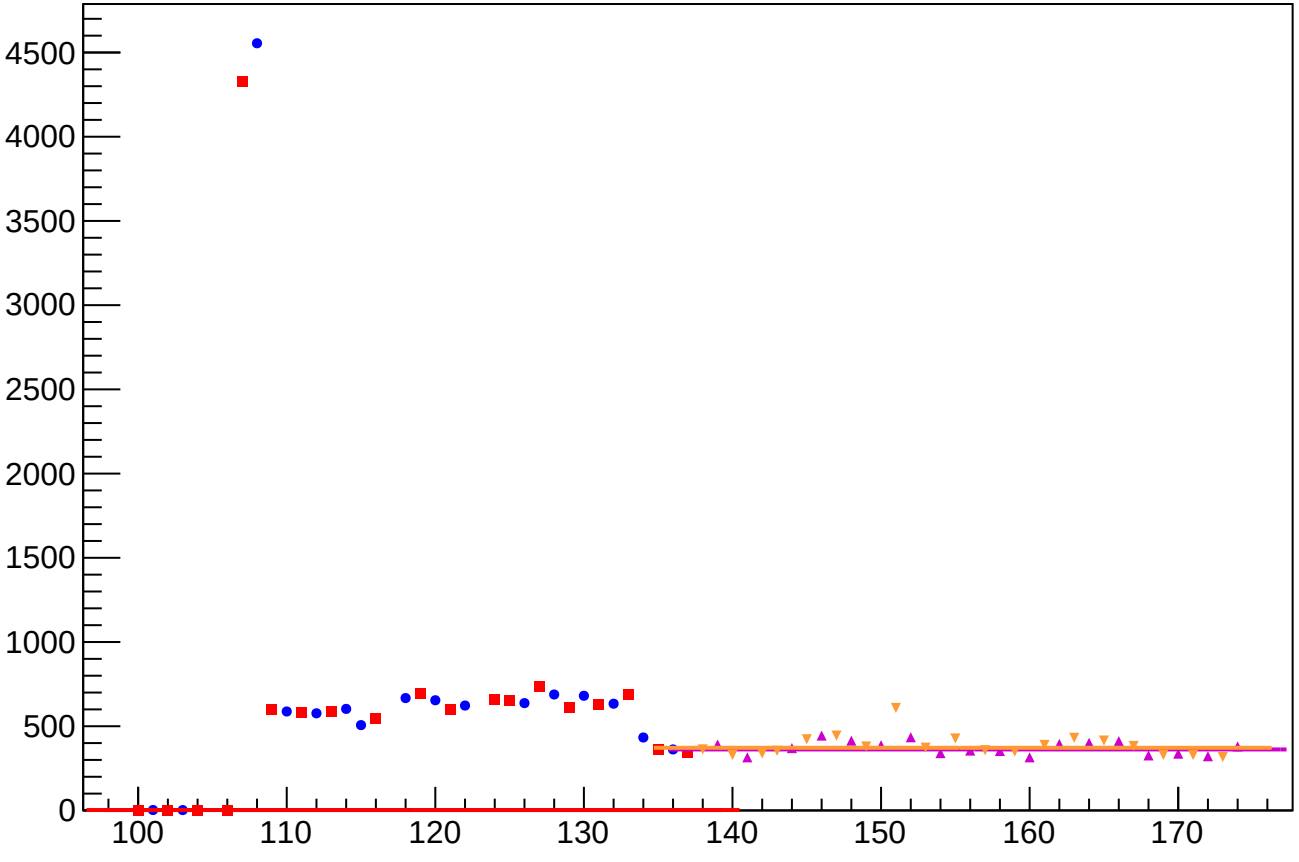
Right: 0.162+/-1.480 χ^2/NDF: 37.5/34

In: -1.162+/-2.170 χ^2/NDF:36.9/33

Out: 1.304+/-2.022 χ^2/NDF:63.3/37

All: 0.158+/-1.479 χ^2/NDF: 100.9/71

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.477+/-0.002 χ^2/NDF: 11626192.3/15

Left Out: 372.126+/-0.069 χ^2/NDF:542359.2/18

Right Out: 2.462+/-0.001 χ^2/NDF: 11545445.6/18

Left In: 362.211+/-0.067 χ^2/NDF:325410.0/17

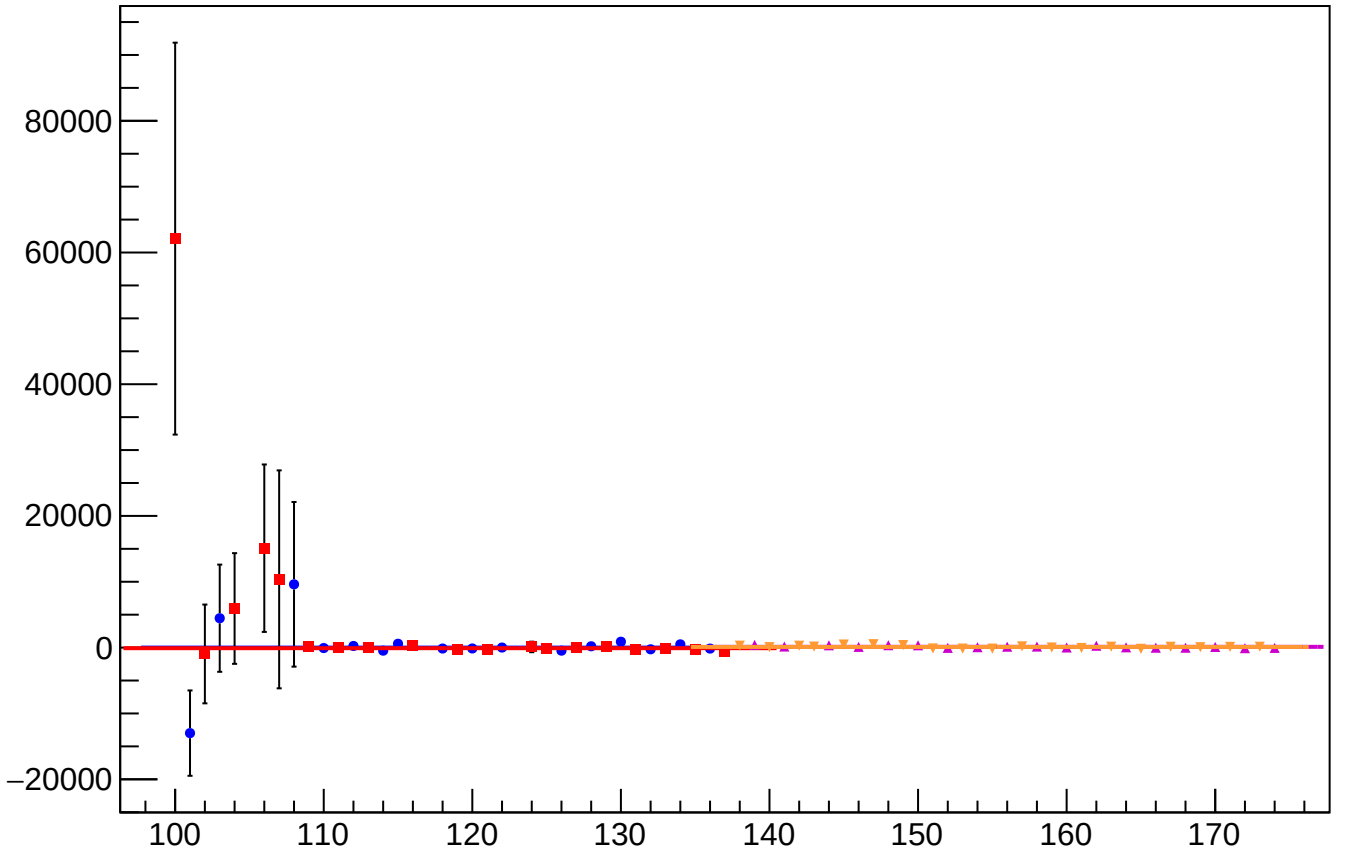
Left: 367.061+/-0.048 χ^2/NDF: 878352.2/36

Right: 2.469+/-0.001 χ^2/NDF: 23171686.0/34

In: 2.663+/-0.002 χ^2/NDF:40418935.6/33

Out: 2.621+/-0.001 χ^2/NDF:40875093.7/37

All: 2.641+/-0.001 χ^2/NDF: 81294425.3/71



Right In: 0.575+/-87.823 χ^2/NDF: 16.8/15

Left Out: 100.906+/-59.702 χ^2/NDF:8.3/18

Right Out: -88.089+/-81.605 χ^2/NDF: 14.9/18

Left In: 115.826+/-53.408 χ^2/NDF:7.2/17

Left: 109.194+/-39.805 χ^2/NDF: 15.5/36

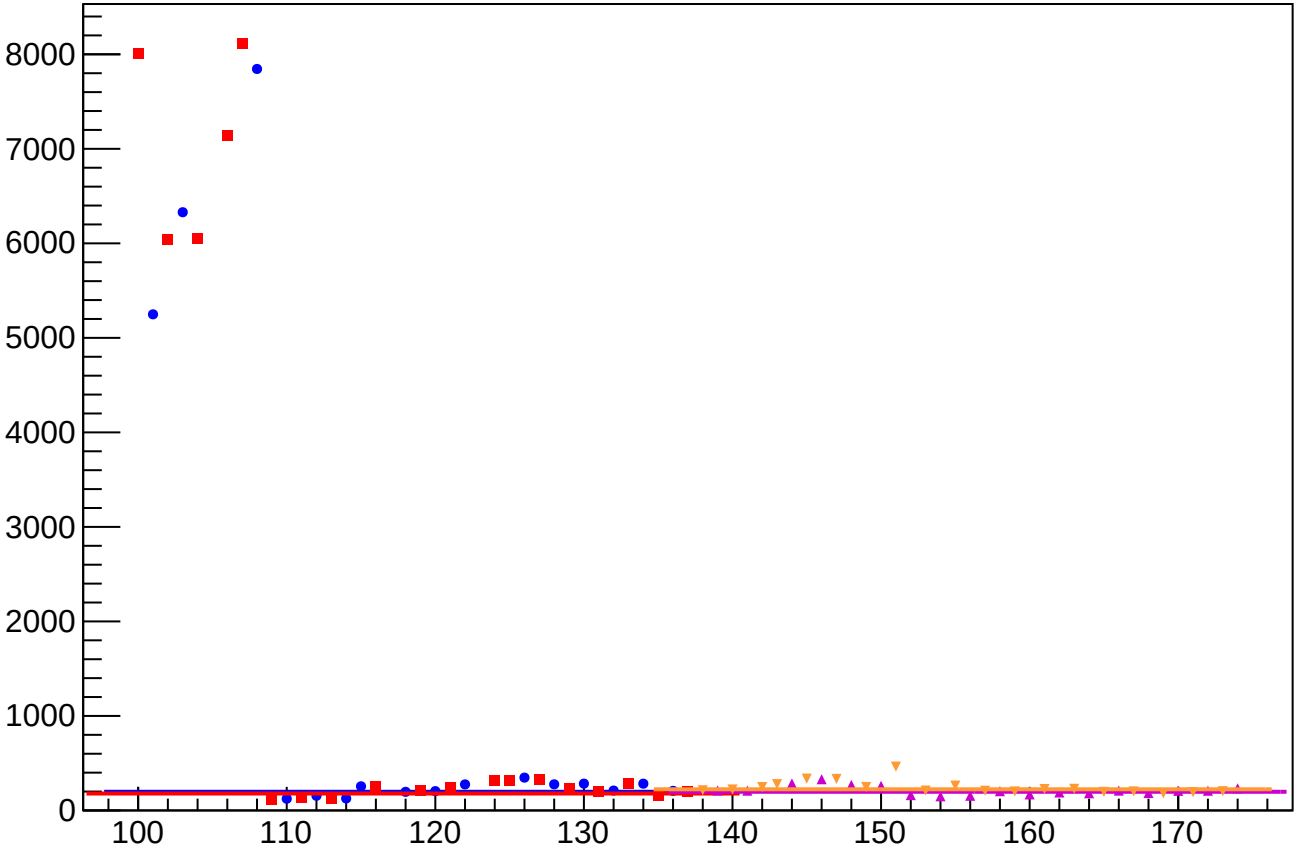
Right: -47.007+/-59.781 χ^2/NDF: 32.3/34

In: 84.710+/-45.632 χ^2/NDF:25.3/33

Out: 35.015+/-48.184 χ^2/NDF:26.7/37

All: 61.213+/-33.132 χ^2/NDF: 52.5/71

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.620+/-0.062 χ^2/NDF: 3957192.6/15

Left Out: 224.004+/-0.042 χ^2/NDF:1139525.1/18

Right Out: 179.250+/-0.058 χ^2/NDF: 4418422.9/18

Left In: 197.647+/-0.038 χ^2/NDF:1136807.3/17

Left: 209.363+/-0.028 χ^2/NDF: 2492856.0/36

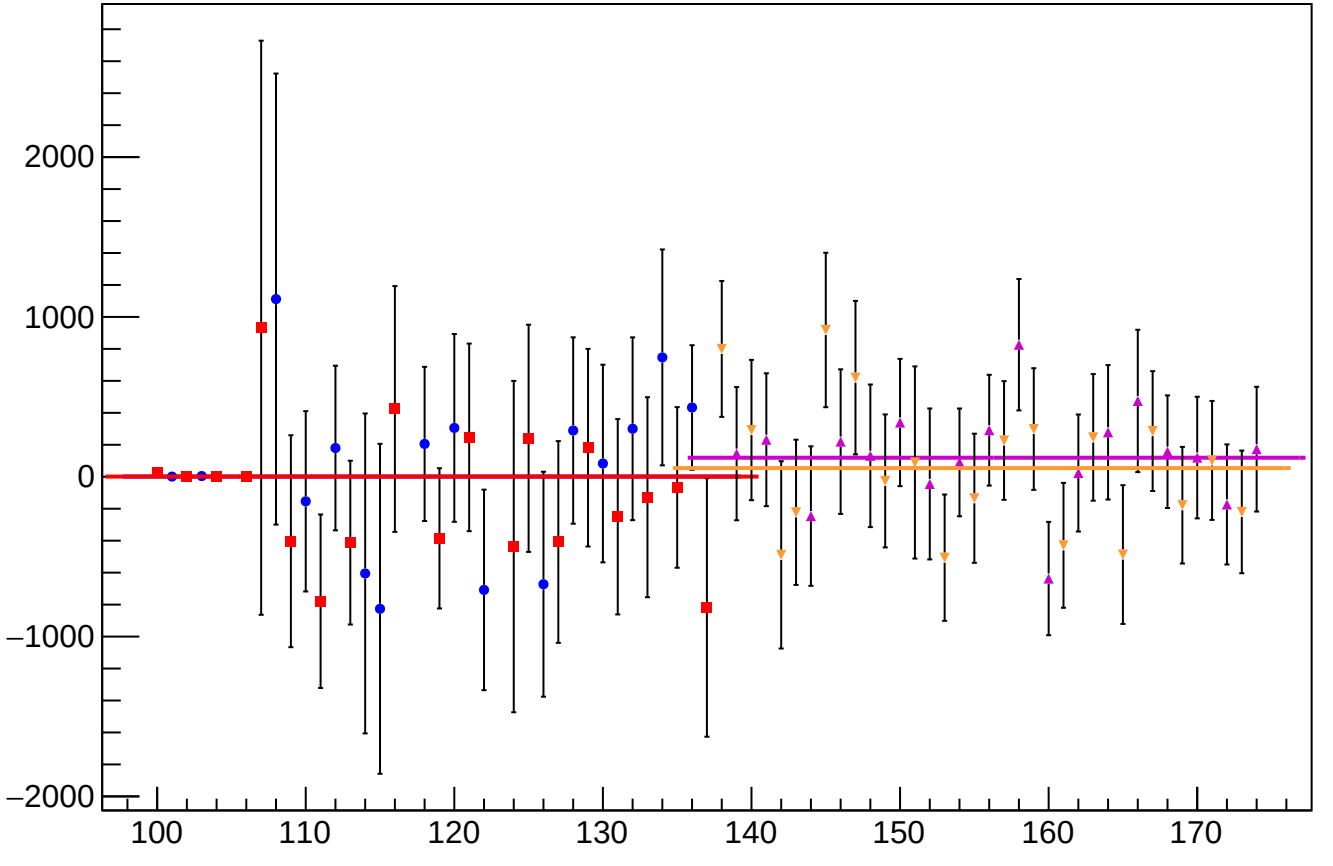
Right: 187.761+/-0.042 χ^2/NDF: 8422574.8/34

In: 197.640+/-0.032 χ^2/NDF:5094000.0/33

Out: 208.401+/-0.034 χ^2/NDF:5949770.3/37

All: 202.728+/-0.023 χ^2/NDF: 11096362.5/71

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.456+/-1.660 χ^2/NDF: 7.9/15

Left Out: 54.162+/-95.701 χ^2/NDF:16.7/18

Right Out: 1.094+/-1.528 χ^2/NDF: 9.2/18

Left In: 119.122+/-93.152 χ^2/NDF:10.5/17

Left: 87.518+/-66.751 χ^2/NDF: 27.4/36

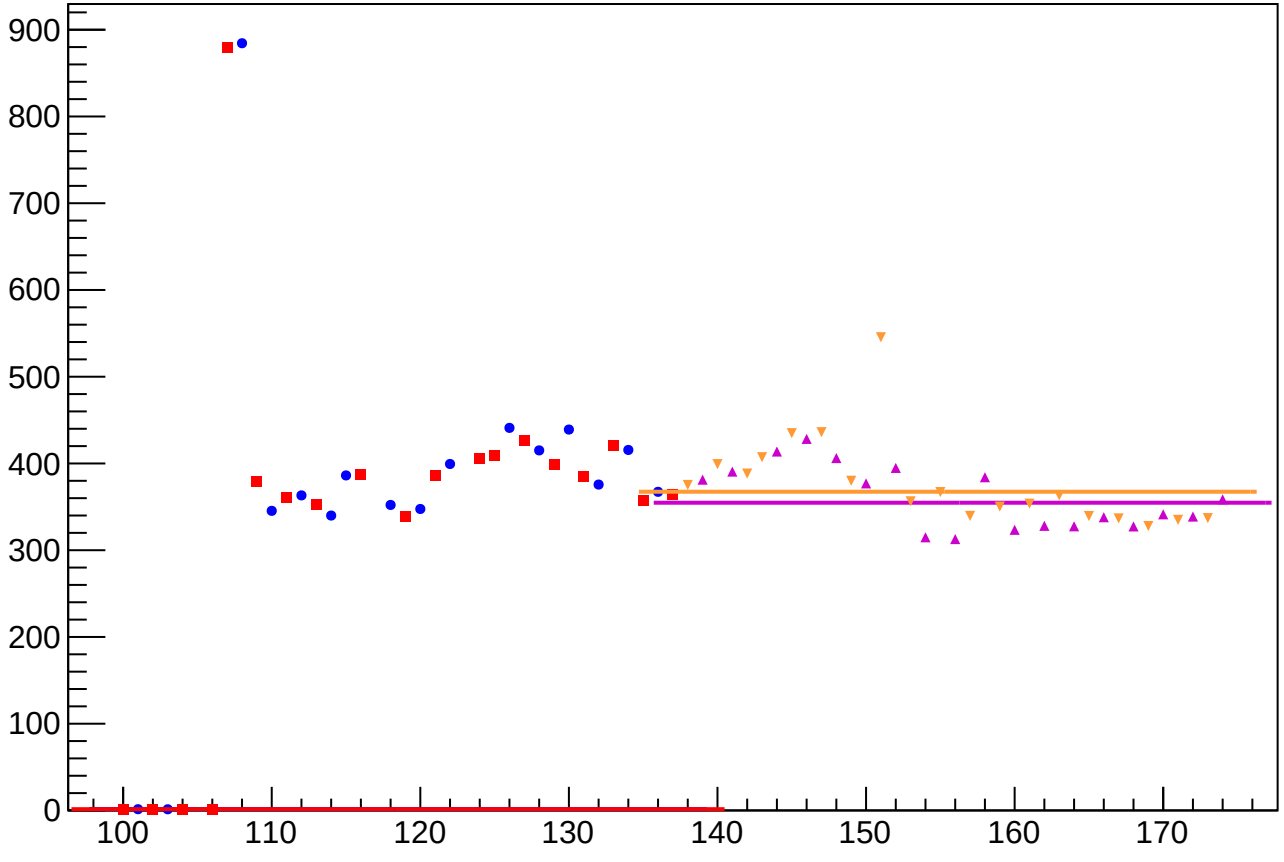
Right: 1.260+/-1.124 χ^2/NDF: 17.1/34

In: 1.493+/-1.660 χ^2/NDF:20.0/33

Out: 1.107+/-1.528 χ^2/NDF:26.2/37

All: 1.284+/-1.124 χ^2/NDF: 46.2/71

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.470+/-0.001 χ^2/NDF: 11735334.0/15

Left Out: 367.414+/-0.068 χ^2/NDF:378829.3/18

Right Out: 1.467+/-0.001 χ^2/NDF: 11270430.6/18

Left In: 354.751+/-0.066 χ^2/NDF:282771.1/17

Left: 360.911+/-0.047 χ^2/NDF: 679580.9/36

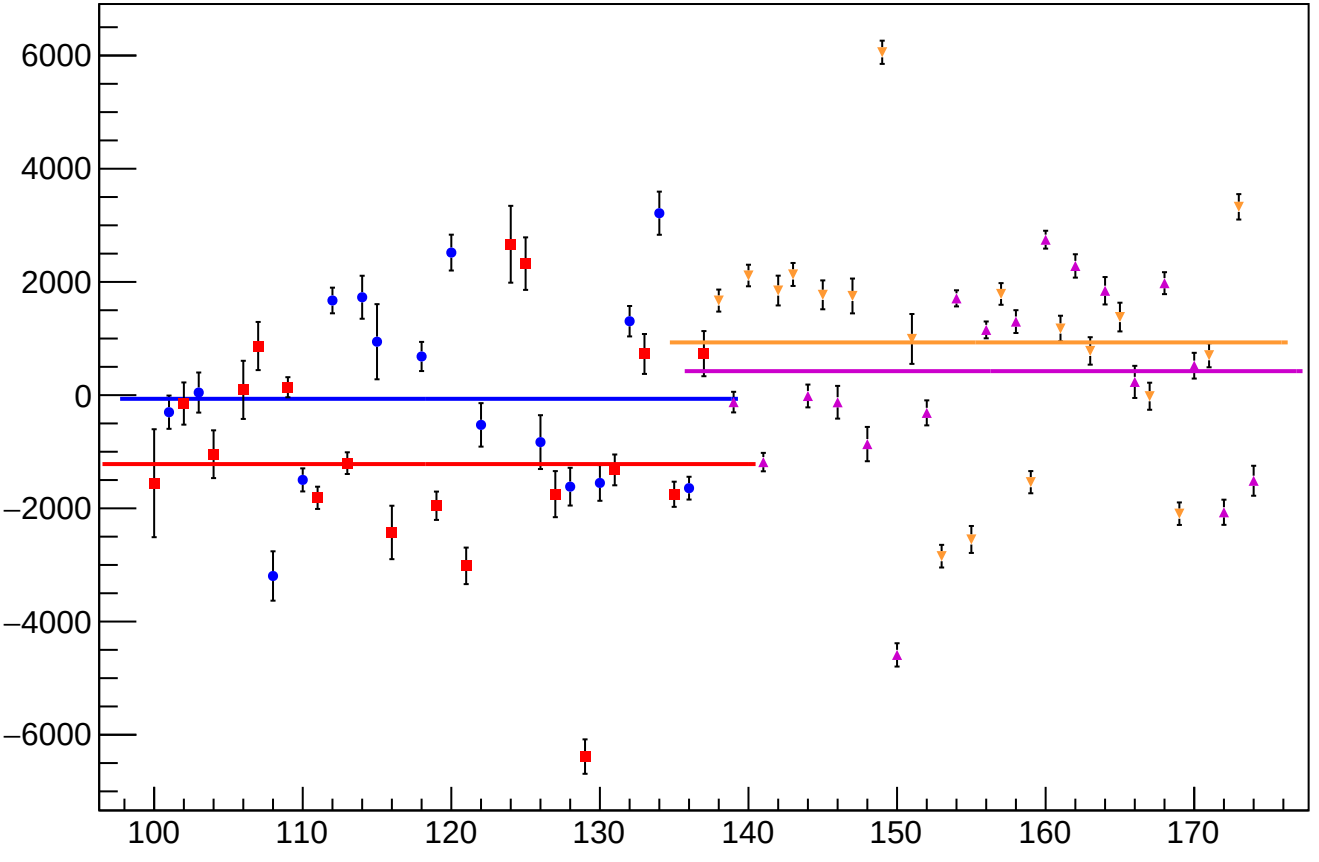
Right: 1.469+/-0.001 χ^2/NDF: 23005768.2/34

In: 1.582+/-0.001 χ^2/NDF:40775257.3/33

Out: 1.560+/-0.001 χ^2/NDF:40885757.0/37

All: 1.570+/-0.001 χ^2/NDF: 81661204.0/71

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -64.993+/-74.895 χ^2/NDF: 469.5/15

Left Out: 931.558+/-51.294 χ^2/NDF:1857.5/18

Right Out: -1217.846+/-69.022 χ^2/NDF: 594.6/18

Left In: 423.896+/-47.030 χ^2/NDF:1436.8/17

Left: 655.749+/-34.665 χ^2/NDF: 3347.5/36

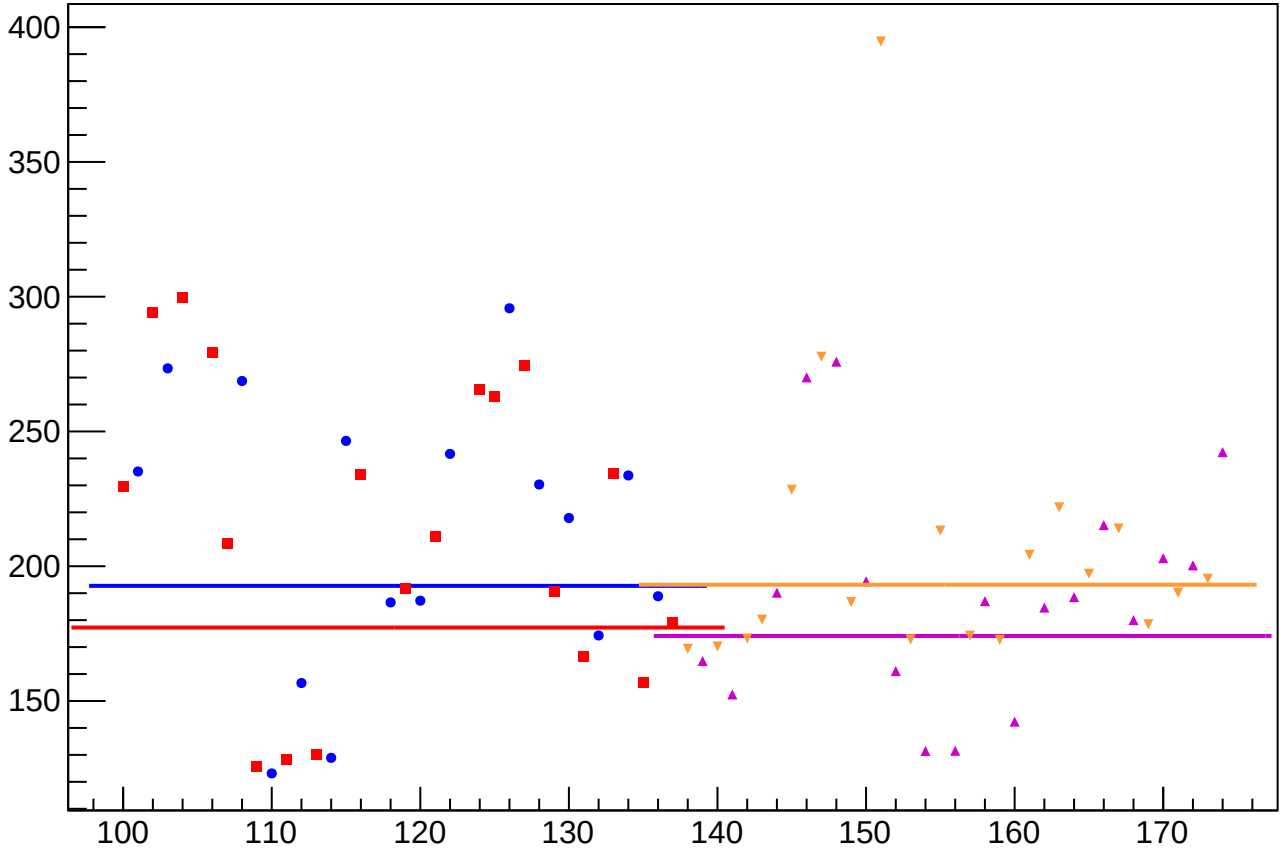
Right: -688.385+/-50.755 χ^2/NDF: 1192.2/34

In: 285.638+/-39.828 χ^2/NDF:1936.9/33

Out: 166.827+/-41.170 χ^2/NDF:3076.8/37

All: 228.200+/-28.626 χ^2/NDF: 5018.0/71

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 192.719+/-0.053 χ^2/NDF: 759146.3/15

Left Out: 193.131+/-0.036 χ^2/NDF:824456.5/18

Right Out: 177.251+/-0.049 χ^2/NDF: 1226180.2/18

Left In: 174.127+/-0.033 χ^2/NDF:1207163.0/17

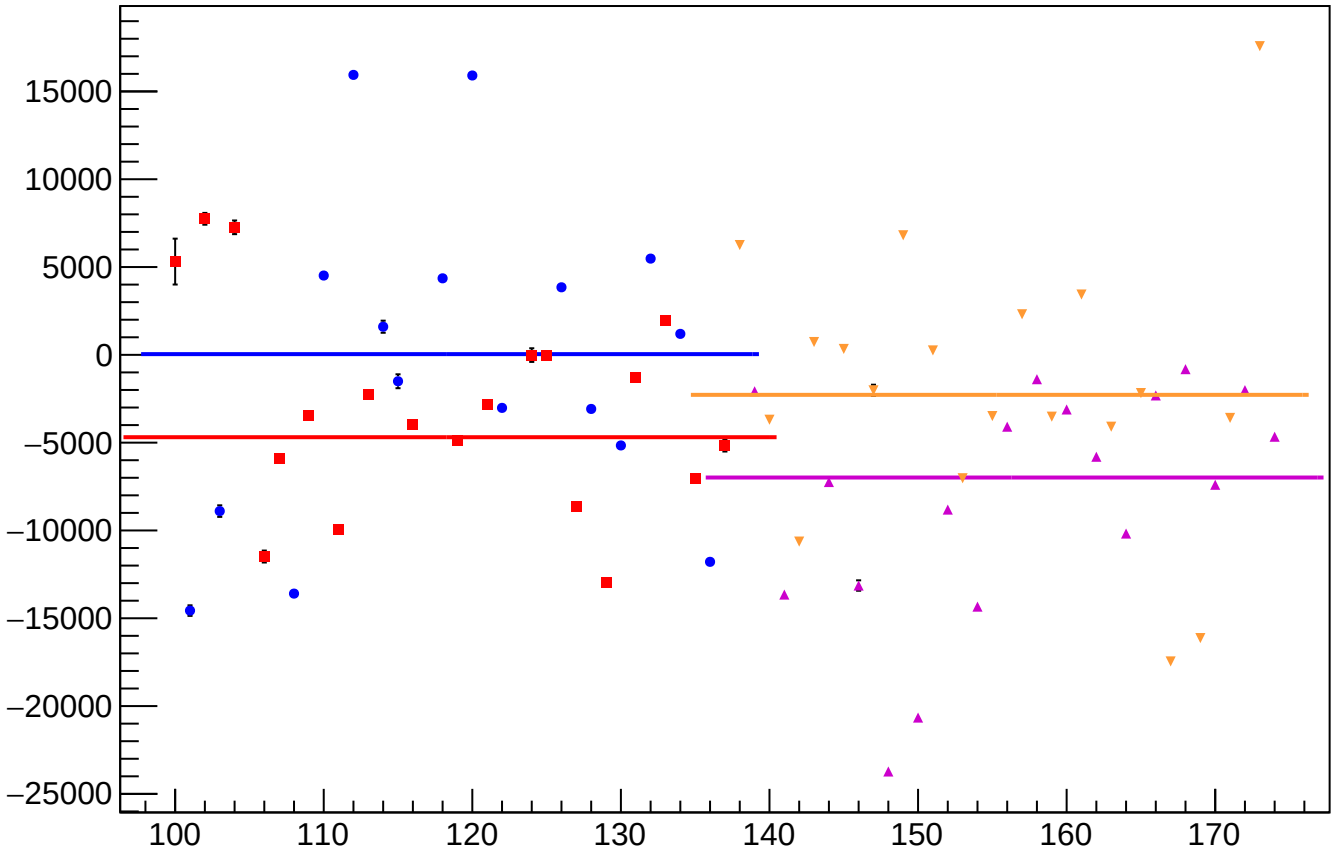
Left: 182.806+/-0.025 χ^2/NDF: 2180774.4/36

Right: 184.355+/-0.036 χ^2/NDF: 2031455.3/34

In: 179.385+/-0.028 χ^2/NDF:2054703.9/33

Out: 187.481+/-0.029 χ^2/NDF:2118837.9/37

All: 183.299+/-0.020 χ^2/NDF: 4213499.3/71



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2277.471+/-44.364 χ^2/NDF:30489.5/18

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -6985.642+/-45.211 χ^2/NDF:17737.5/17

Left: -4587.067+/-31.665 χ^2/NDF: 53751.9/36

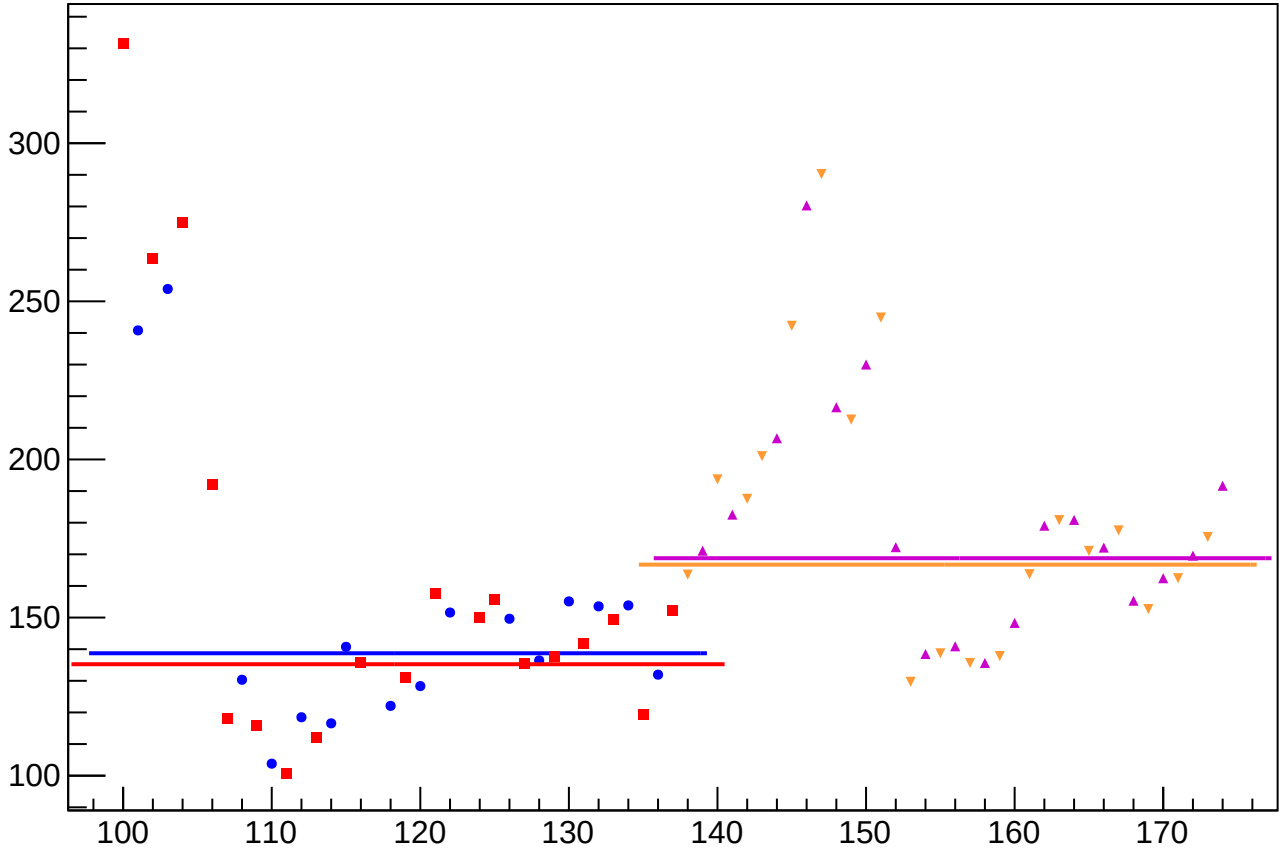
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4102.502+/-34.718 χ^2/NDF:58435.0/33

Out: -3291.495+/-33.776 χ^2/NDF:39528.0/37

All: -3685.853+/-24.209 χ^2/NDF: 98243.3/71

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.735+/-0.031 χ^2/NDF:1162233.5/18

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

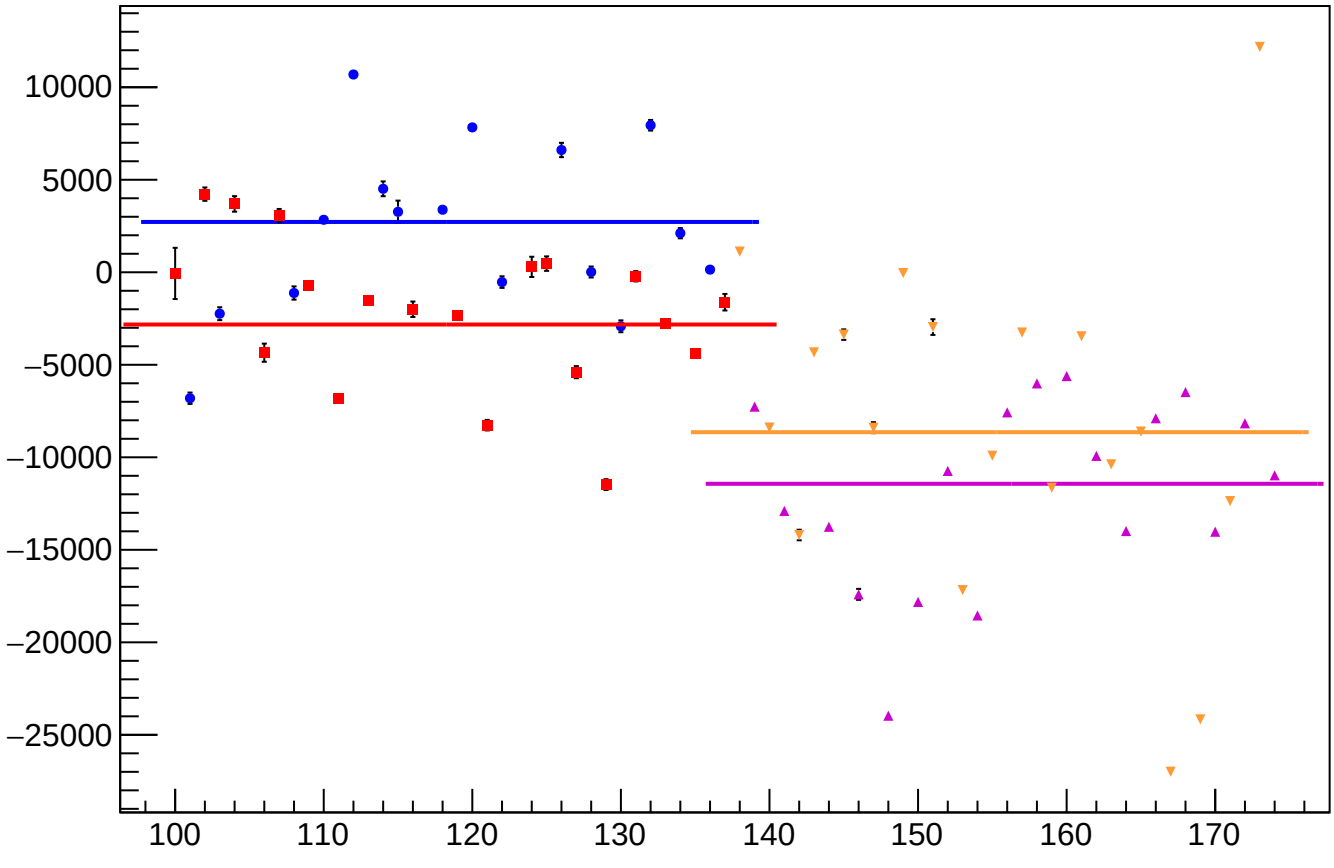
Left: 167.732+/-0.022 χ^2/NDF: 2049762.7/36

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.435+/-0.025 χ^2/NDF:1905928.6/33

Out: 153.498+/-0.024 χ^2/NDF:2475841.8/37

All: 154.926+/-0.017 χ^2/NDF: 4389123.6/71



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8643.625+/-51.892 χ^2/NDF:30626.6/18

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11431.955+/-48.267 χ^2/NDF:10574.4/17

Left: -10138.588+/-35.342 χ^2/NDF: 42748.9/36

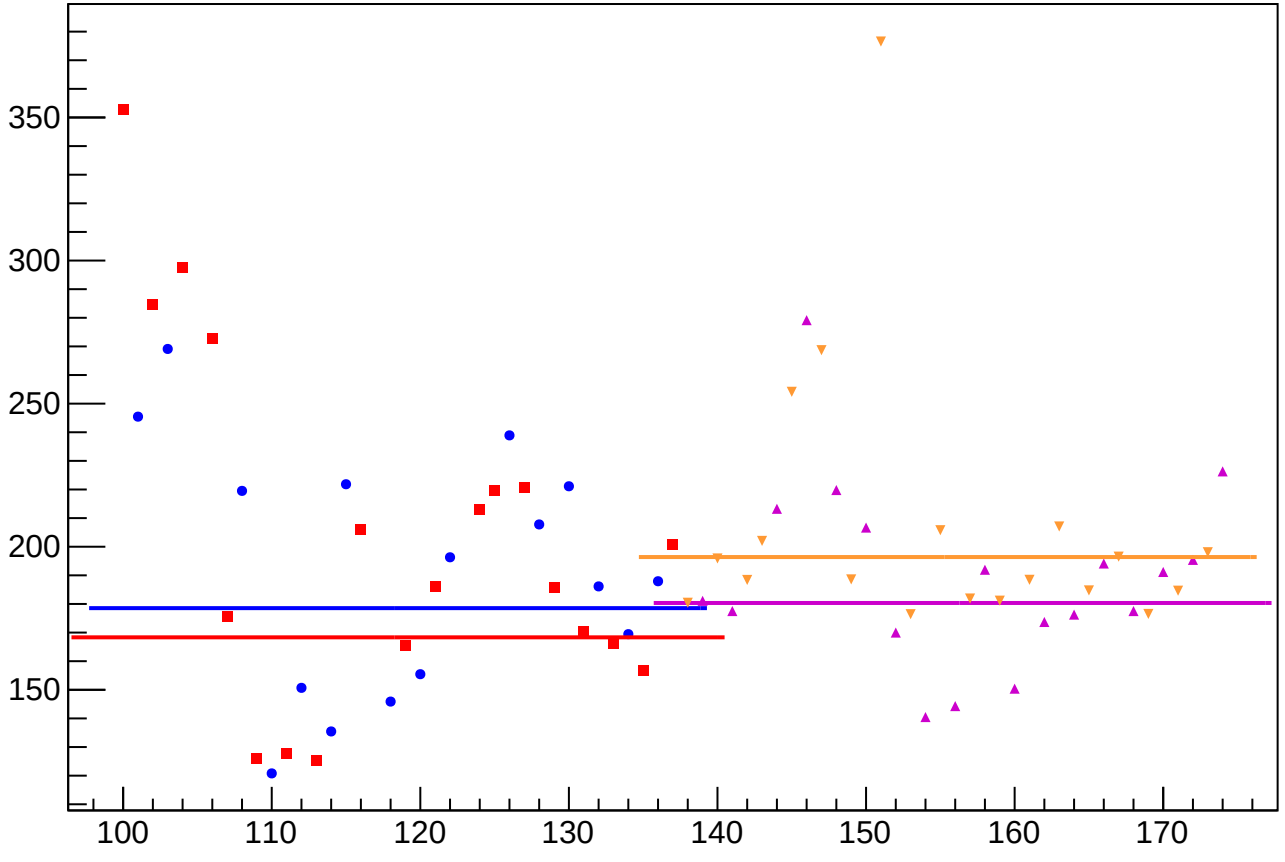
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6804.540+/-39.597 χ^2/NDF:42813.0/33

Out: -6371.766+/-40.517 χ^2/NDF:38599.5/37

All: -6593.124+/-28.319 χ^2/NDF: 81470.9/71

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.391+/-0.037 χ^2/NDF:664186.8/18

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

Left: 187.787+/-0.025 χ^2/NDF: 1517383.1/36

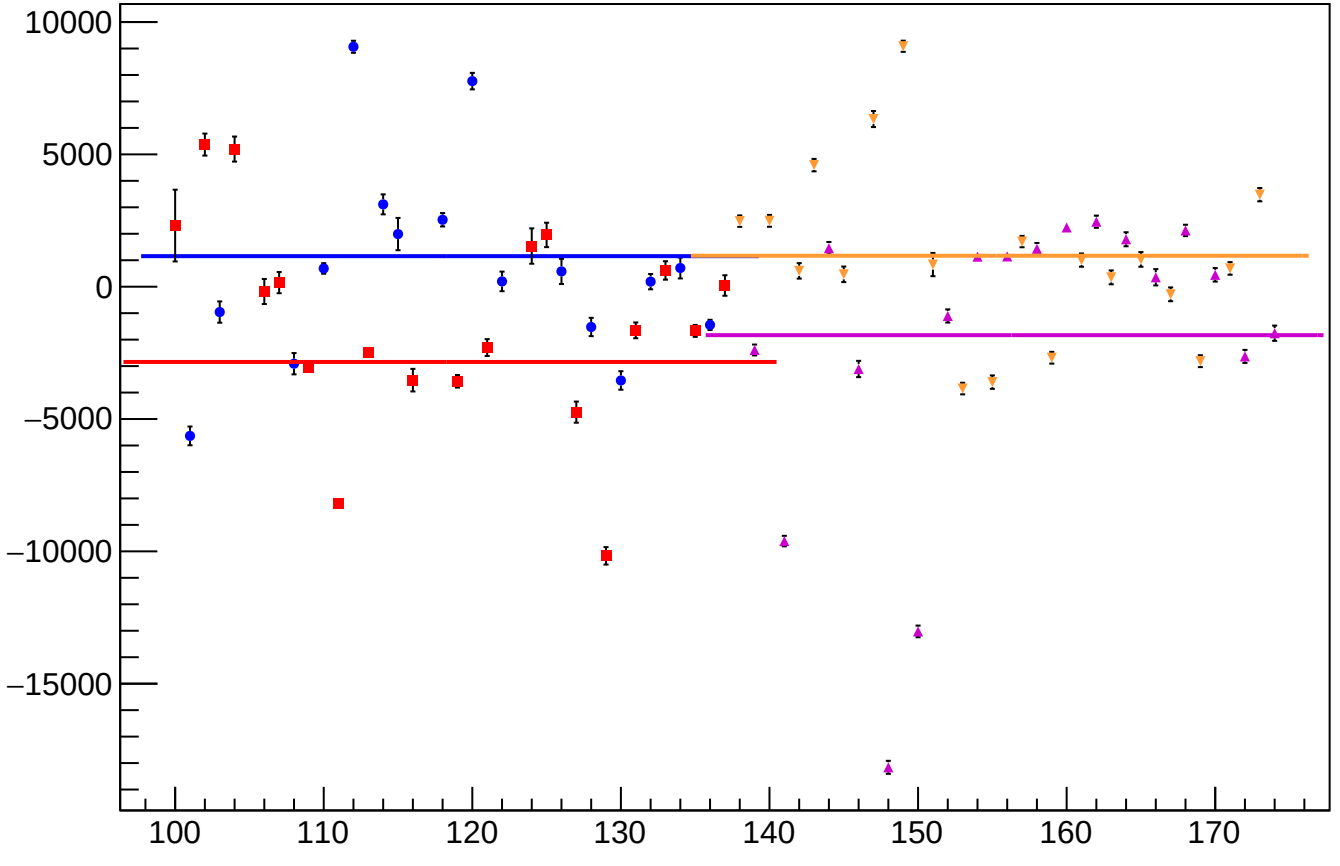
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.754+/-0.028 χ^2/NDF:1426124.7/33

Out: 185.439+/-0.029 χ^2/NDF:1871889.7/37

All: 182.531+/-0.020 χ^2/NDF: 3318153.7/71

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1170.262+/-56.763 χ^2/NDF:3615.3/18

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1831.110+/-52.801 χ^2/NDF:11093.1/17

Left: -438.798+/-38.661 χ^2/NDF: 16207.3/36

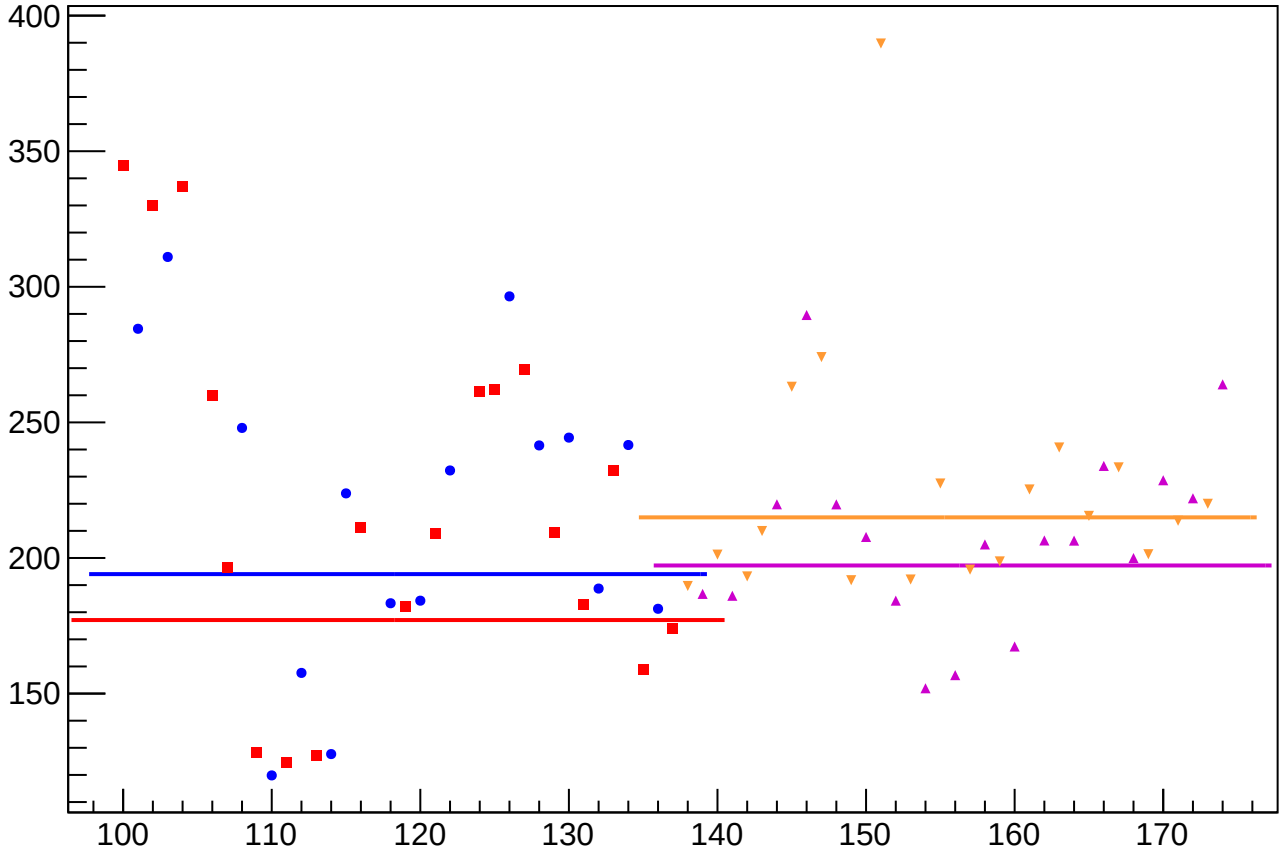
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -858.629+/-43.355 χ^2/NDF:14789.6/33

Out: -445.992+/-43.871 χ^2/NDF:8082.0/37

All: -654.753+/-30.838 χ^2/NDF: 22916.4/71

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.980+/-0.040 χ^2/NDF:610829.4/18

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

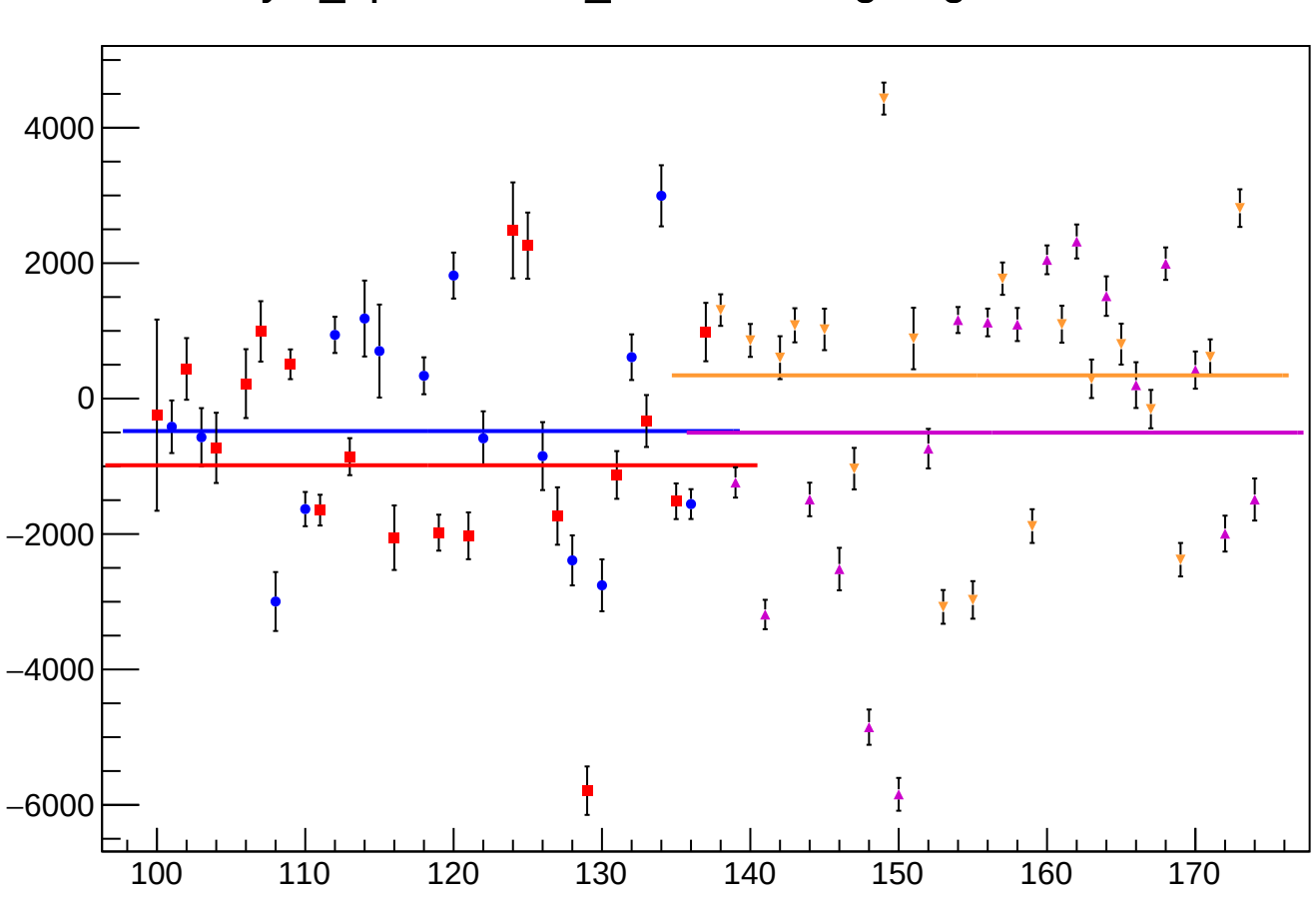
Left: 205.468+/-0.027 χ^2/NDF: 1455084.7/36

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.200+/-0.031 χ^2/NDF:1707664.2/33

Out: 199.734+/-0.031 χ^2/NDF:2328508.4/37

All: 197.946+/-0.022 χ^2/NDF: 4042736.8/71



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 343.490+/-61.865 χ^2/NDF:1018.4/18

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -502.811+/-58.448 χ^2/NDF:1651.7/17

Left: -103.672+/-42.486 χ^2/NDF: 2769.0/36

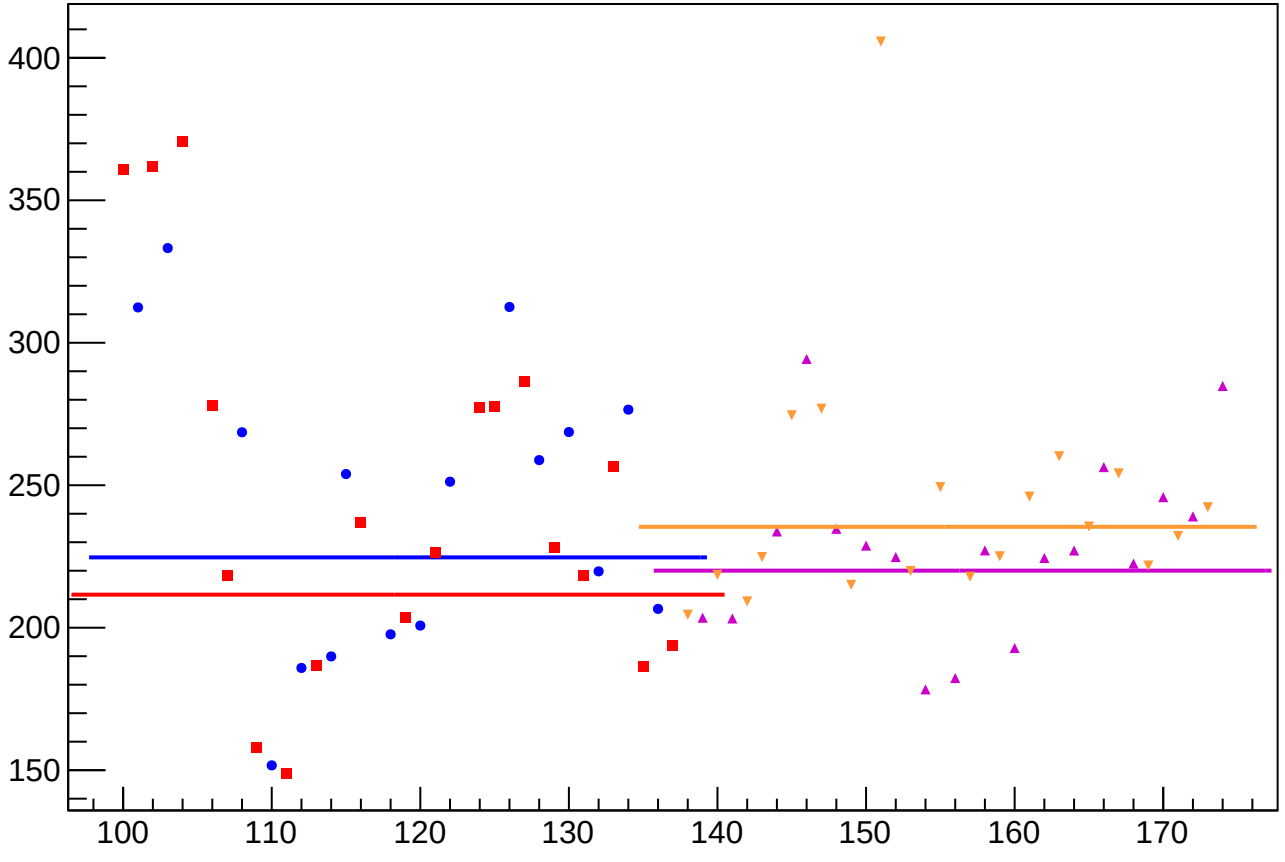
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -495.463+/-48.461 χ^2/NDF:1957.2/33

Out: -146.184+/-49.153 χ^2/NDF:1586.4/37

All: -323.298+/-34.509 χ^2/NDF: 3569.3/71

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.406+/-0.044 χ^2/NDF:489175.1/18

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

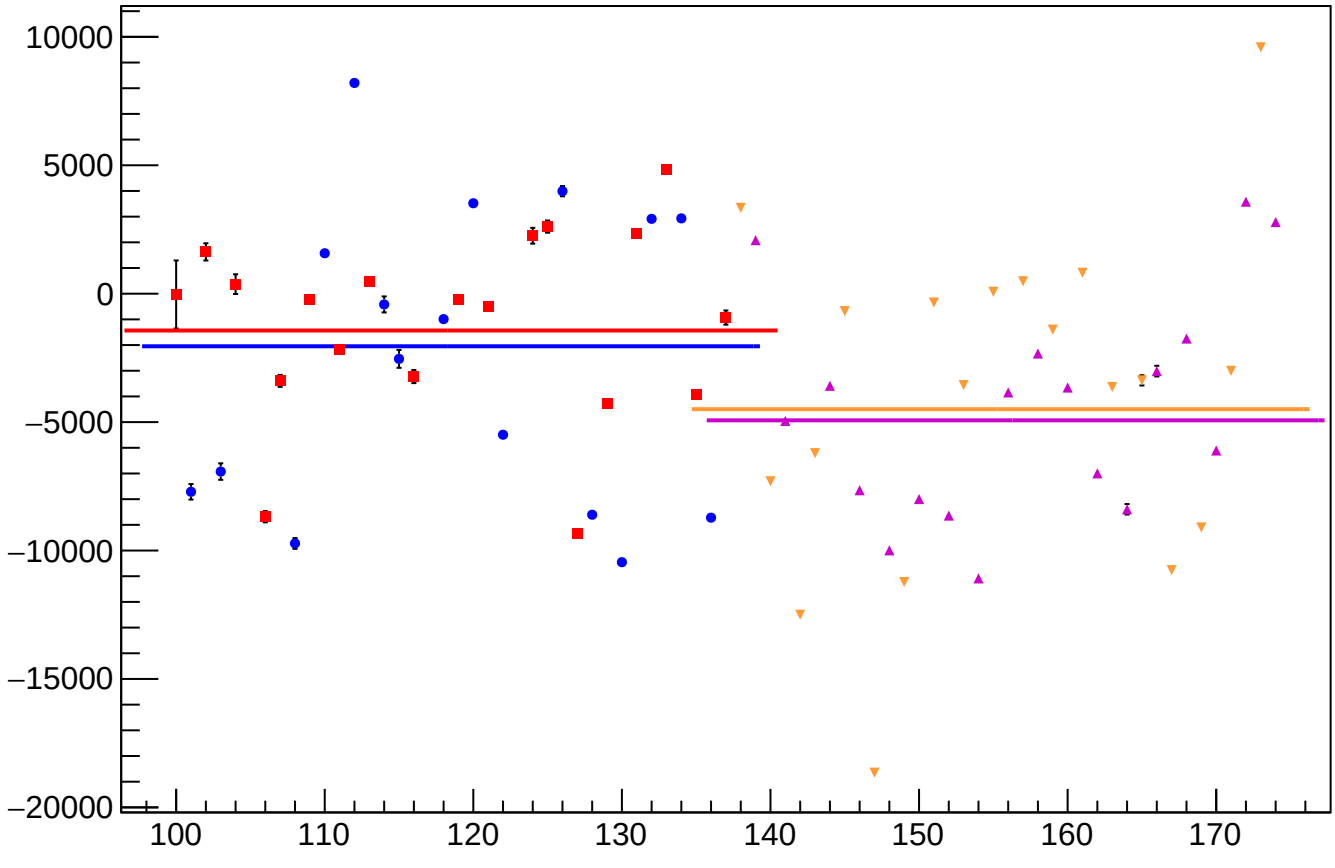
Left: 227.282+/-0.030 χ^2/NDF: 1041359.5/36

Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 221.485+/-0.034 χ^2/NDF:1144069.3/33

Out: 226.626+/-0.035 χ^2/NDF:1531322.3/37

All: 224.019+/-0.024 χ^2/NDF: 2686486.3/71



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4495.353+/-32.740 χ^2/NDF:37947.0/18

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4930.863+/-33.492 χ^2/NDF:14639.5/17

Left: -4708.162+/-23.412 χ^2/NDF: 52673.0/36

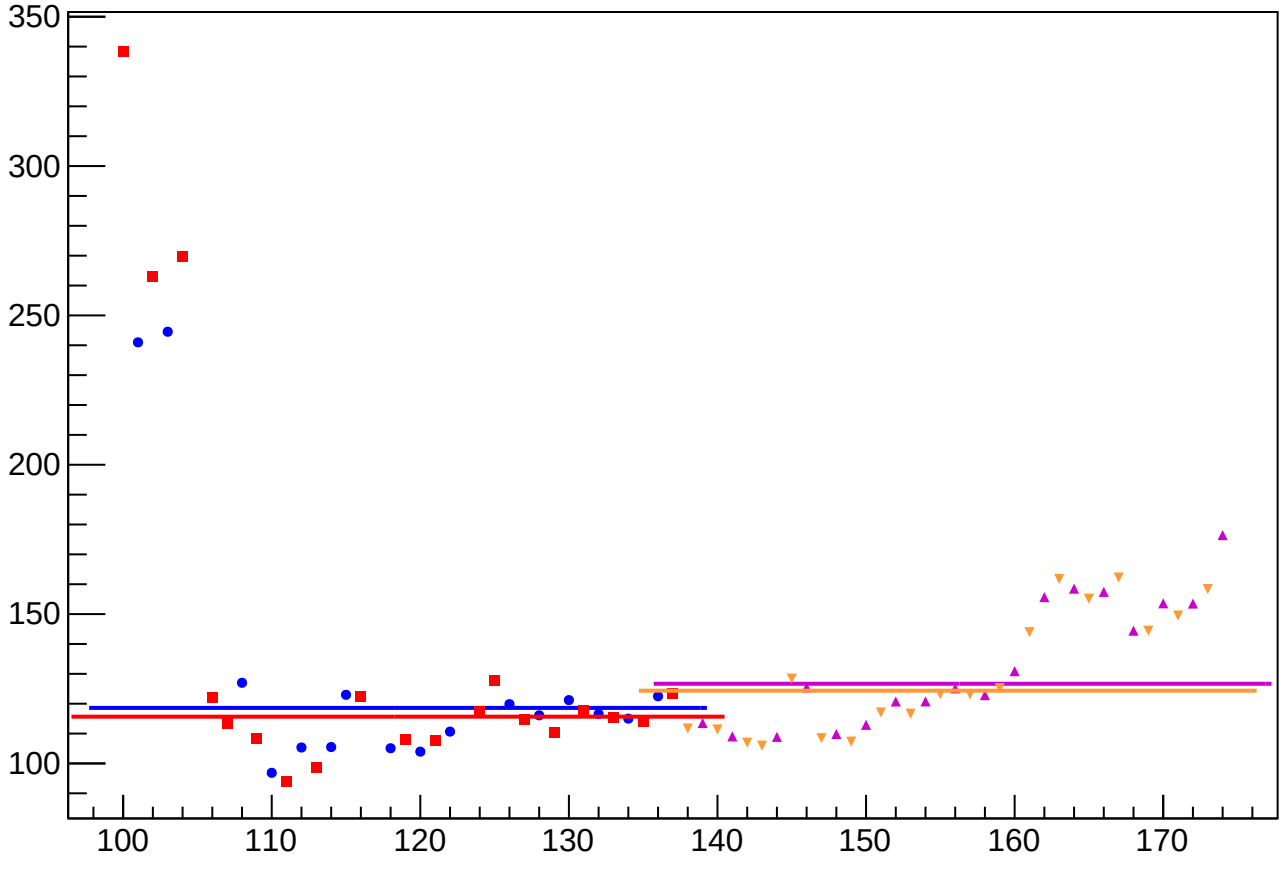
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3952.053+/-27.221 χ^2/NDF:33864.8/33

Out: -3426.985+/-26.419 χ^2/NDF:47387.1/37

All: -3681.671+/-18.958 χ^2/NDF: 81443.6/71

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 124.360+/-0.023 χ^2/NDF:604298.2/18

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

Left: 125.494+/-0.017 χ^2/NDF: 1204293.6/36

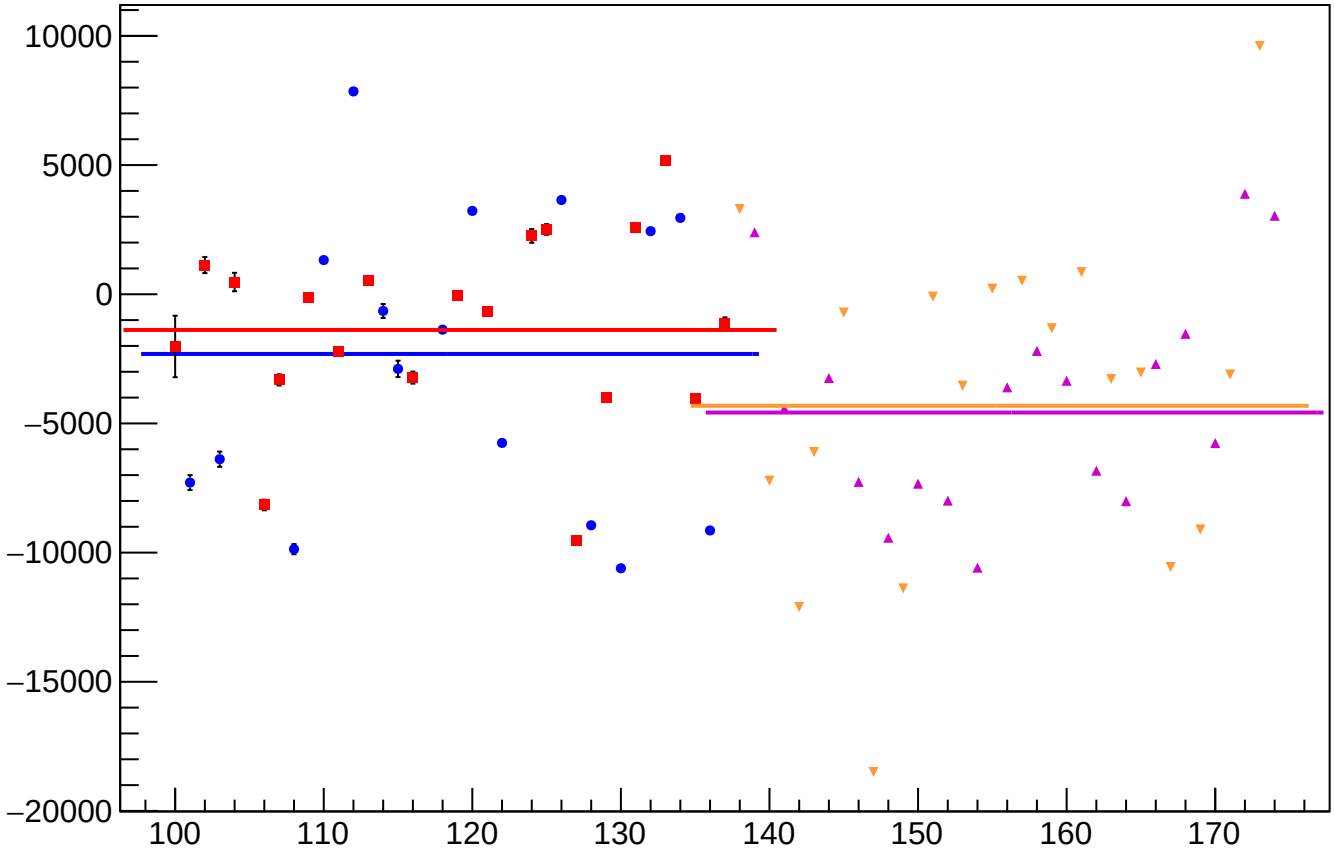
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 123.937+/-0.019 χ^2/NDF:1368805.9/33

Out: 121.325+/-0.019 χ^2/NDF:1517776.4/37

All: 122.592+/-0.013 χ^2/NDF: 2896064.8/71

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2310.581+/-40.734 χ^2/NDF: 21679.5/15

Left Out: -4317.125+/-29.423 χ^2/NDF:45444.8/18

Right Out: -1382.178+/-39.342 χ^2/NDF: 8578.9/18

Left In: -4578.491+/-30.131 χ^2/NDF:17084.1/17

Left: -4444.701+/-21.051 χ^2/NDF: 62567.4/36

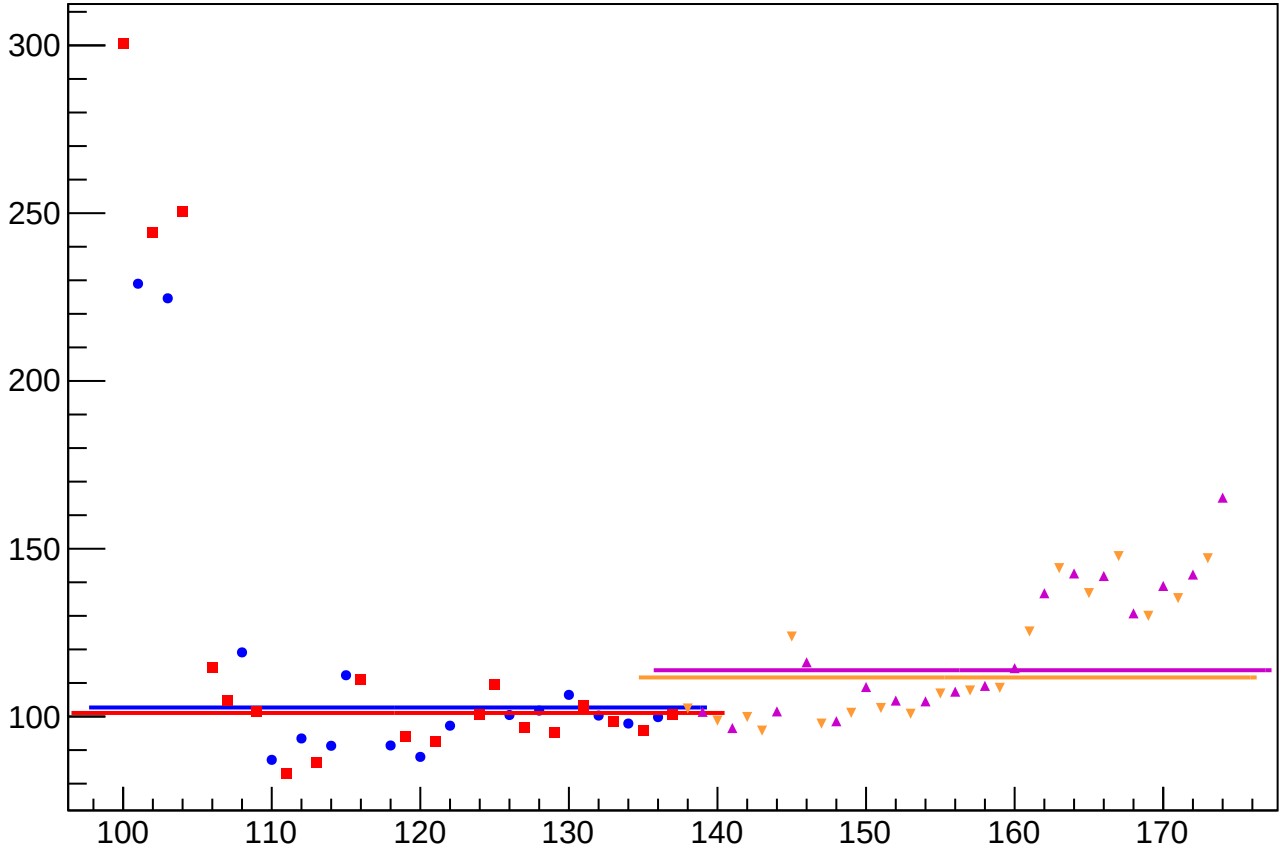
Right: -1830.238+/-28.298 χ^2/NDF: 30527.1/34

In: -3776.439+/-24.224 χ^2/NDF:40767.1/33

Out: -3264.359+/-23.562 χ^2/NDF:57592.7/37

All: -3513.309+/-16.890 χ^2/NDF: 98589.4/71

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 102.694+/-0.029 χ^2/NDF: 825801.5/15

Left Out: 111.644+/-0.021 χ^2/NDF:608186.6/18

Right Out: 101.063+/-0.028 χ^2/NDF: 930458.1/18

Left In: 113.795+/-0.021 χ^2/NDF:629322.1/17

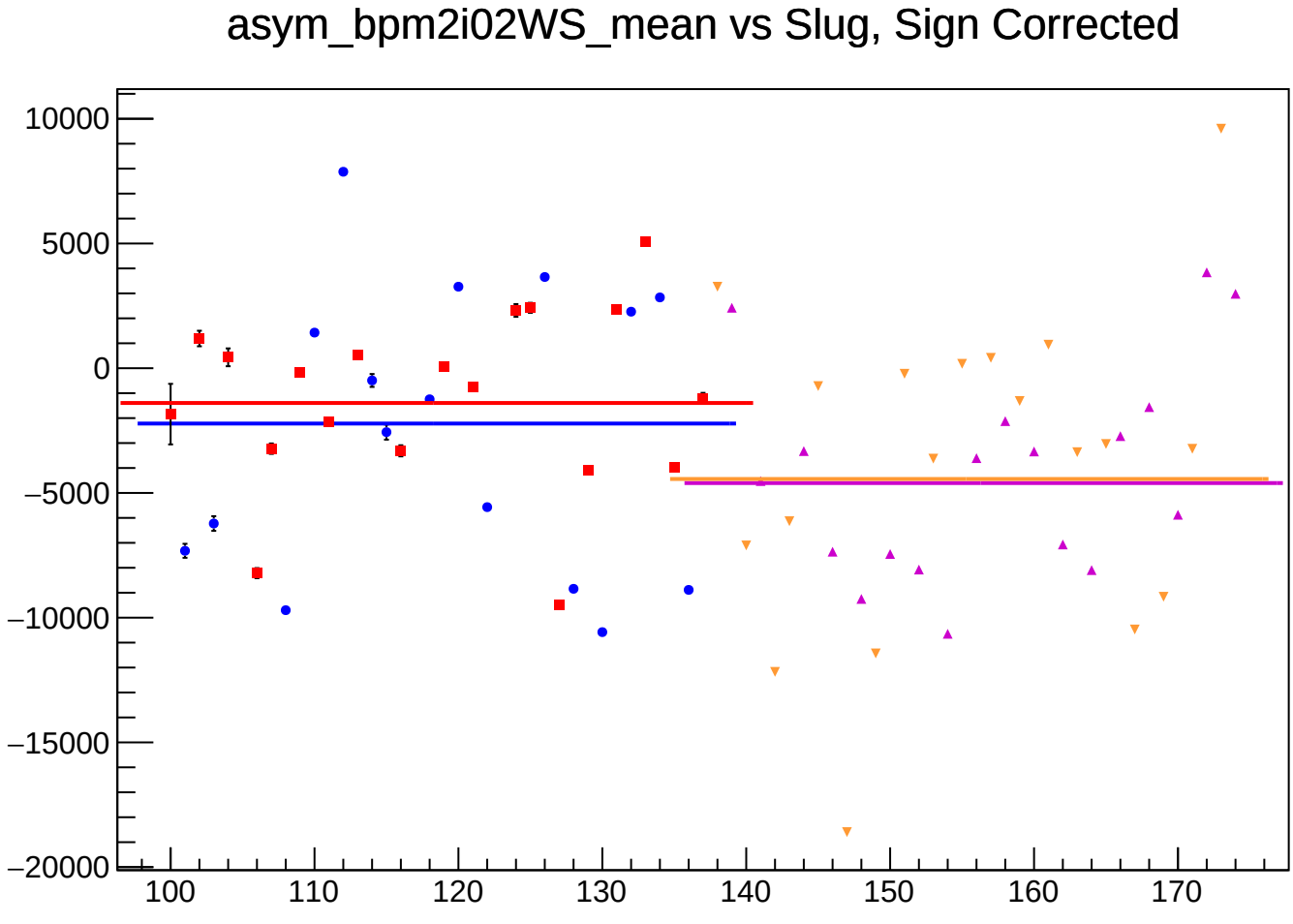
Left: 112.694+/-0.015 χ^2/NDF: 1242724.2/36

Right: 101.850+/-0.020 χ^2/NDF: 1757917.4/34

In: 109.869+/-0.017 χ^2/NDF:1551134.3/33

Out: 107.849+/-0.017 χ^2/NDF:1631422.6/37

All: 108.831+/-0.012 χ^2/NDF: 3189703.4/71



Right In: -2218.049+/-39.039 χ^2/NDF: 23040.7/15

Left Out: -4440.195+/-28.795 χ^2/NDF:48853.9/18

Right Out: -1393.557+/-37.580 χ^2/NDF: 9152.1/18

Left In: -4603.169+/-29.456 χ^2/NDF:18047.4/17

Left: -4519.832+/-20.591 χ^2/NDF: 66917.0/36

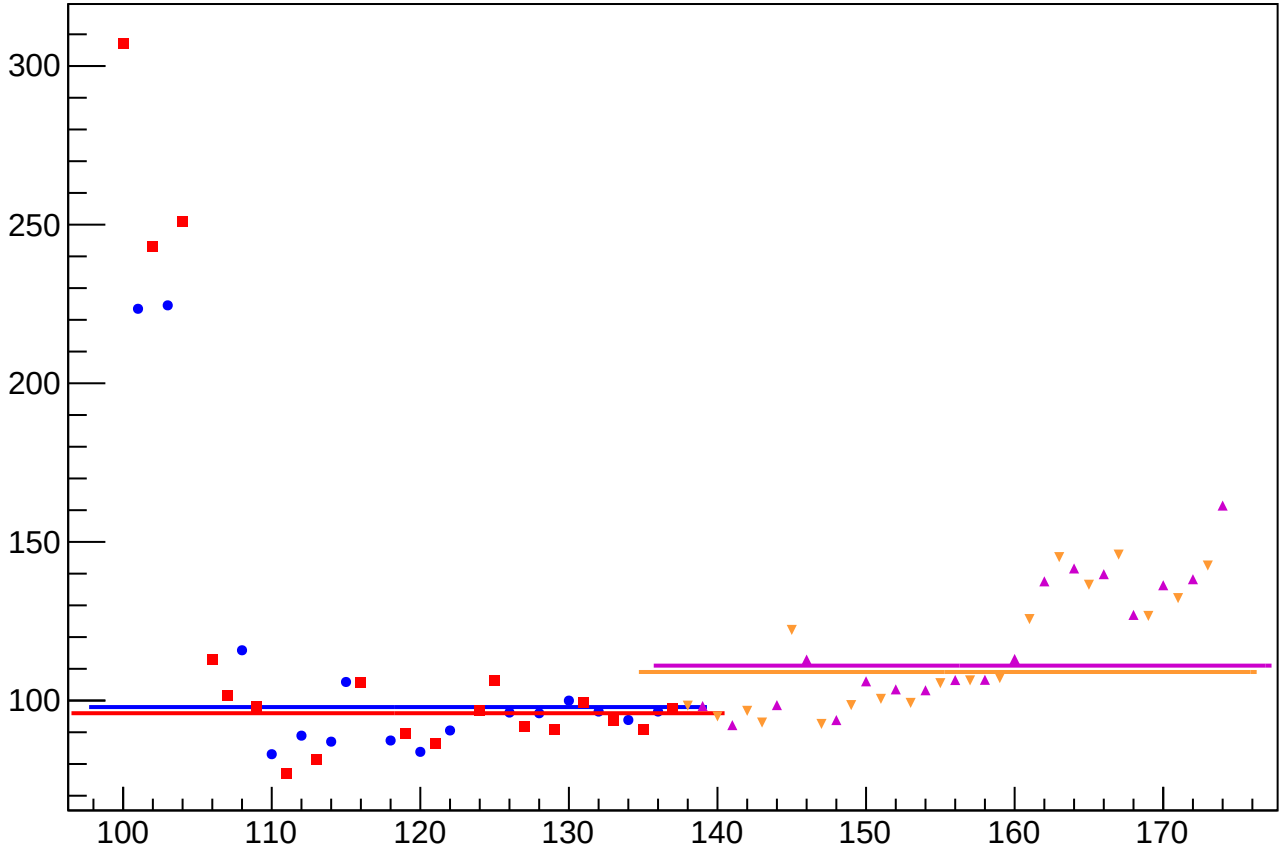
Right: -1790.108+/-27.074 χ^2/NDF: 32424.3/34

In: -3737.874+/-23.514 χ^2/NDF:43466.7/33

Out: -3313.136+/-22.857 χ^2/NDF:62147.1/37

All: -3519.489+/-16.390 χ^2/NDF: 105781.6/7

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 97.944+/-0.028 χ^2/NDF: 868148.4/15

Left Out: 109.000+/-0.020 χ^2/NDF:677619.8/18

Right Out: 96.005+/-0.027 χ^2/NDF: 1012287.0/18

Left In: 111.004+/-0.021 χ^2/NDF:680852.4/17

Left: 109.979+/-0.015 χ^2/NDF: 1363206.2/36

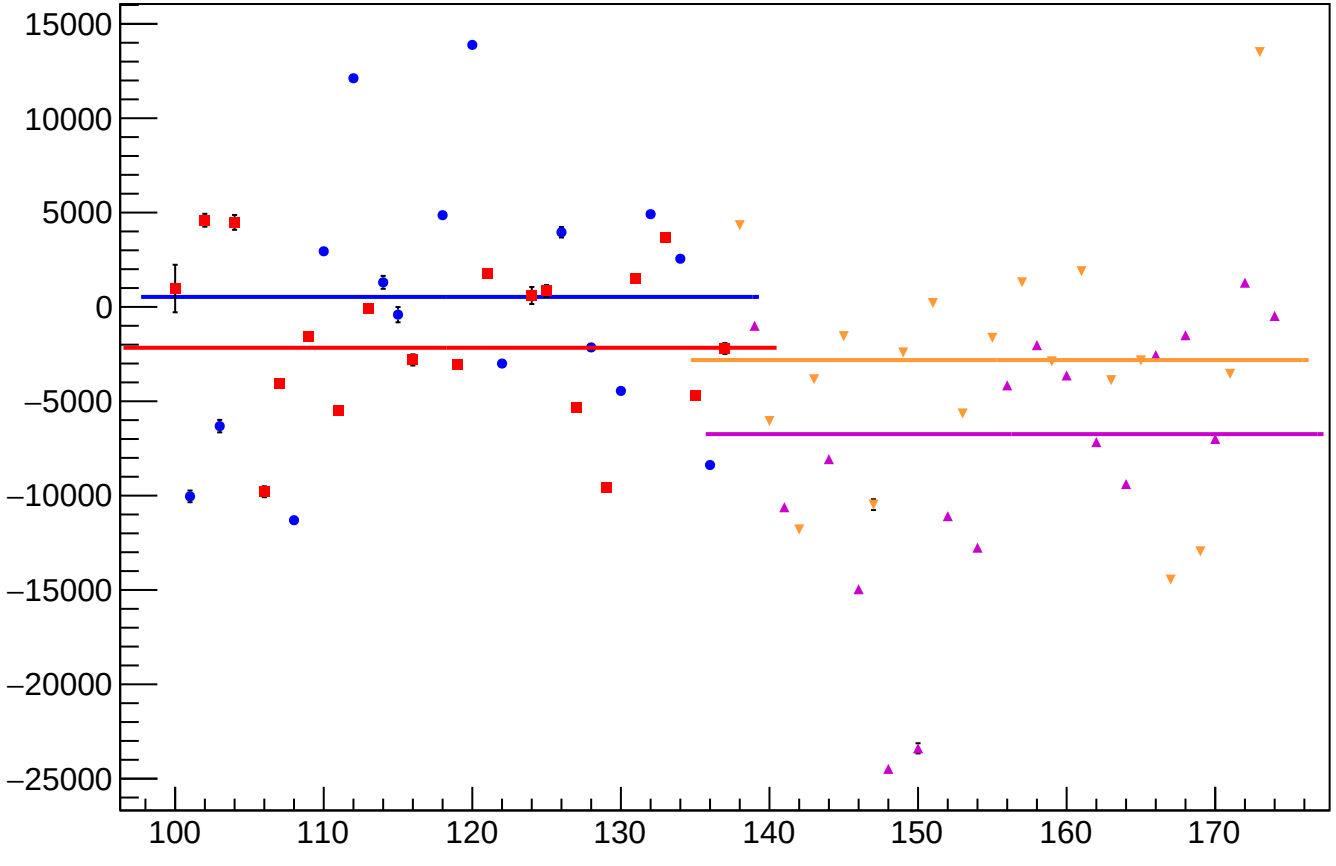
Right: 96.937+/-0.019 χ^2/NDF: 1882996.0/34

In: 106.266+/-0.017 χ^2/NDF:1691629.1/33

Out: 104.192+/-0.016 χ^2/NDF:1840582.9/37

All: 105.200+/-0.012 χ^2/NDF: 3540206.9/71

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 530.568+/-54.855 χ^2/NDF: 18587.6/15

Left Out: -2815.940+/-40.852 χ^2/NDF:21176.8/18

Right Out: -2164.994+/-53.458 χ^2/NDF: 4967.1/18

Left In: -6741.682+/-42.244 χ^2/NDF:19982.9/17

Left: -4713.043+/-29.367 χ^2/NDF: 45622.4/36

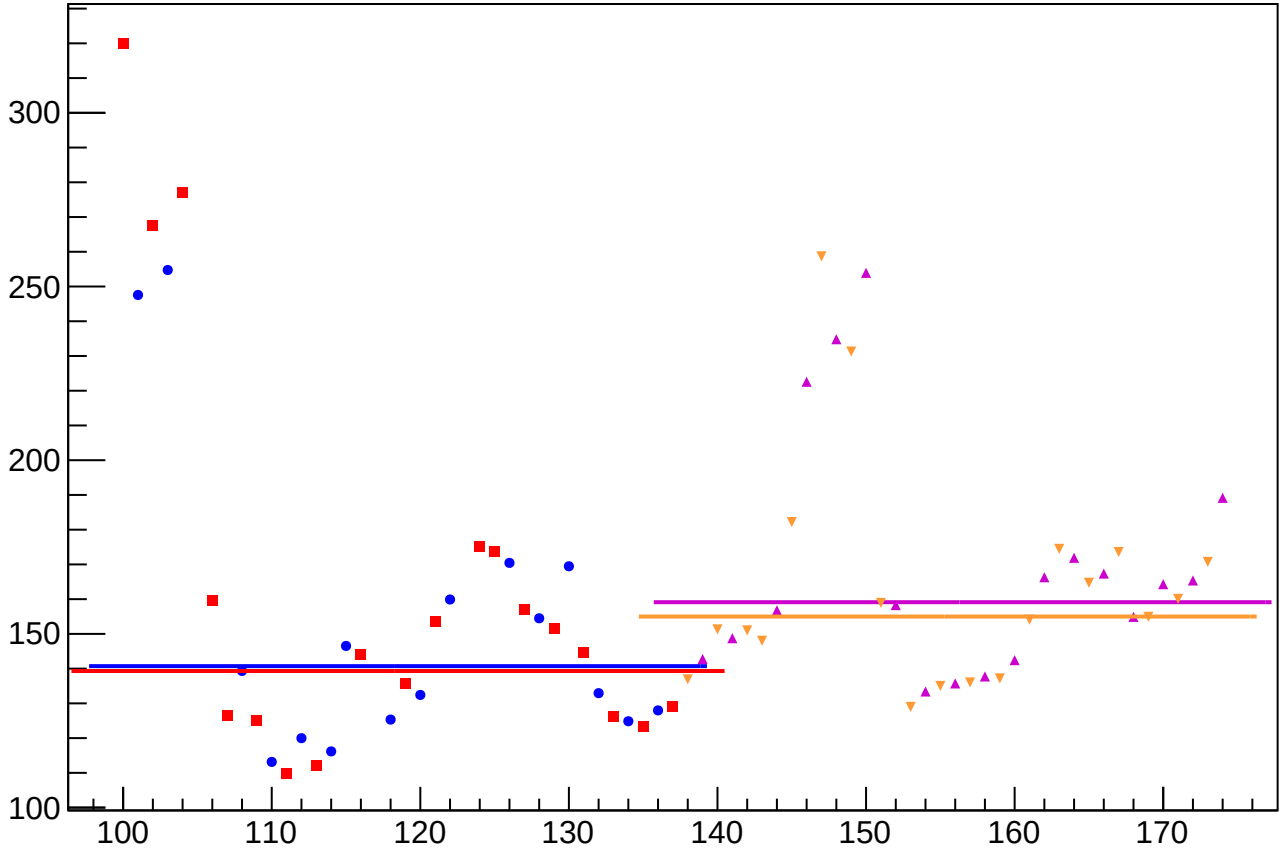
Right: -851.965+/-38.285 χ^2/NDF: 24793.2/34

In: -4034.354+/-33.470 χ^2/NDF:49603.0/33

Out: -2575.952+/-32.459 χ^2/NDF:26237.6/37

All: -3282.806+/-23.301 χ^2/NDF: 76819.0/71

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 140.715+/-0.039 χ^2/NDF: 675618.7/15

Left Out: 154.995+/-0.029 χ^2/NDF:733838.9/18

Right Out: 139.317+/-0.038 χ^2/NDF: 802317.0/18

Left In: 159.121+/-0.030 χ^2/NDF:827542.4/17

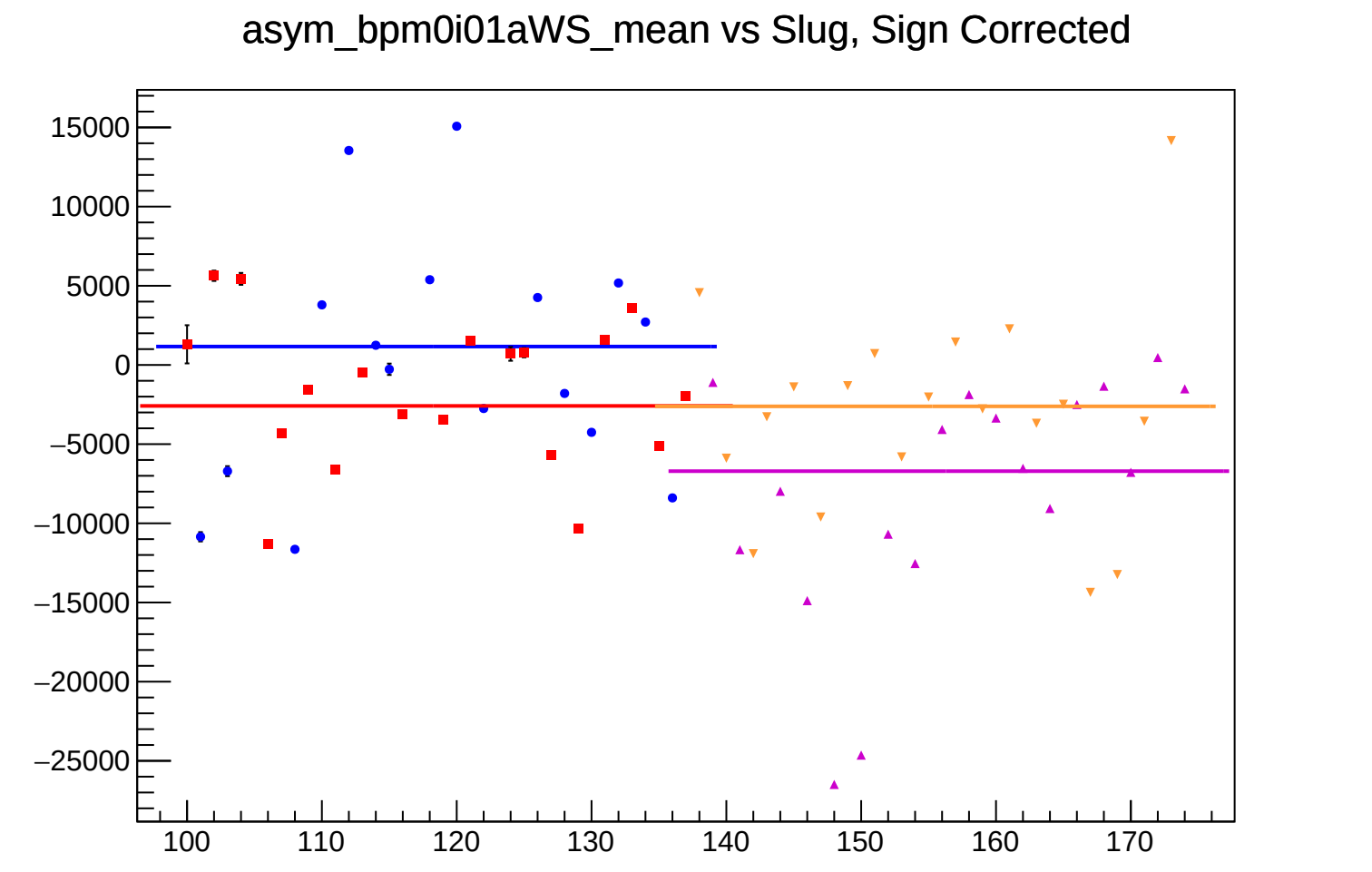
Left: 156.989+/-0.021 χ^2/NDF: 1571240.8/36

Right: 139.998+/-0.027 χ^2/NDF: 1478602.2/34

In: 152.269+/-0.024 χ^2/NDF:1644508.6/33

Out: 149.215+/-0.023 χ^2/NDF:1644759.5/37

All: 150.695+/-0.016 χ^2/NDF: 3297849.4/71



Right In: 1162.980+/-45.930 χ^2/NDF: 30754.3/15

Left Out: -2613.501+/-36.232 χ^2/NDF:27145.3/18

Right Out: -2586.755+/-44.256 χ^2/NDF: 8099.7/18

Left In: -6706.979+/-37.623 χ^2/NDF:25093.4/17

Left: -4583.147+/-26.098 χ^2/NDF: 58380.6/36

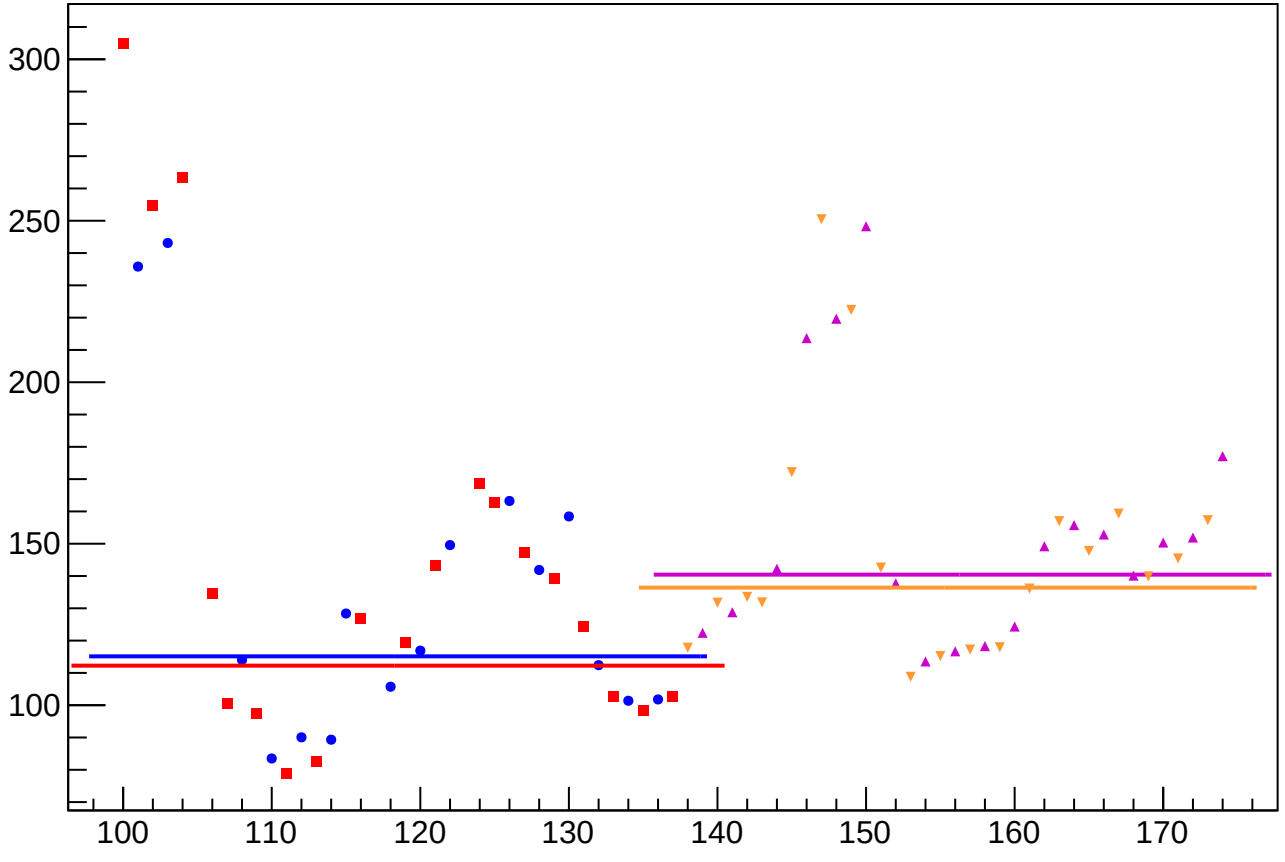
Right: -781.454+/-31.869 χ^2/NDF: 42310.2/34

In: -3546.782+/-29.105 χ^2/NDF:73417.9/33

Out: -2602.768+/-28.035 χ^2/NDF:35245.2/37

All: -3057.103+/-20.191 χ^2/NDF: 109208.8/7

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 115.125+/-0.032 χ^2/NDF: 1112987.2/15

Left Out: 136.407+/-0.026 χ^2/NDF:1050018.8/18

Right Out: 112.241+/-0.031 χ^2/NDF: 1328156.6/18

Left In: 140.430+/-0.027 χ^2/NDF:1164516.0/17

Left: 138.343+/-0.018 χ^2/NDF: 2226398.7/36

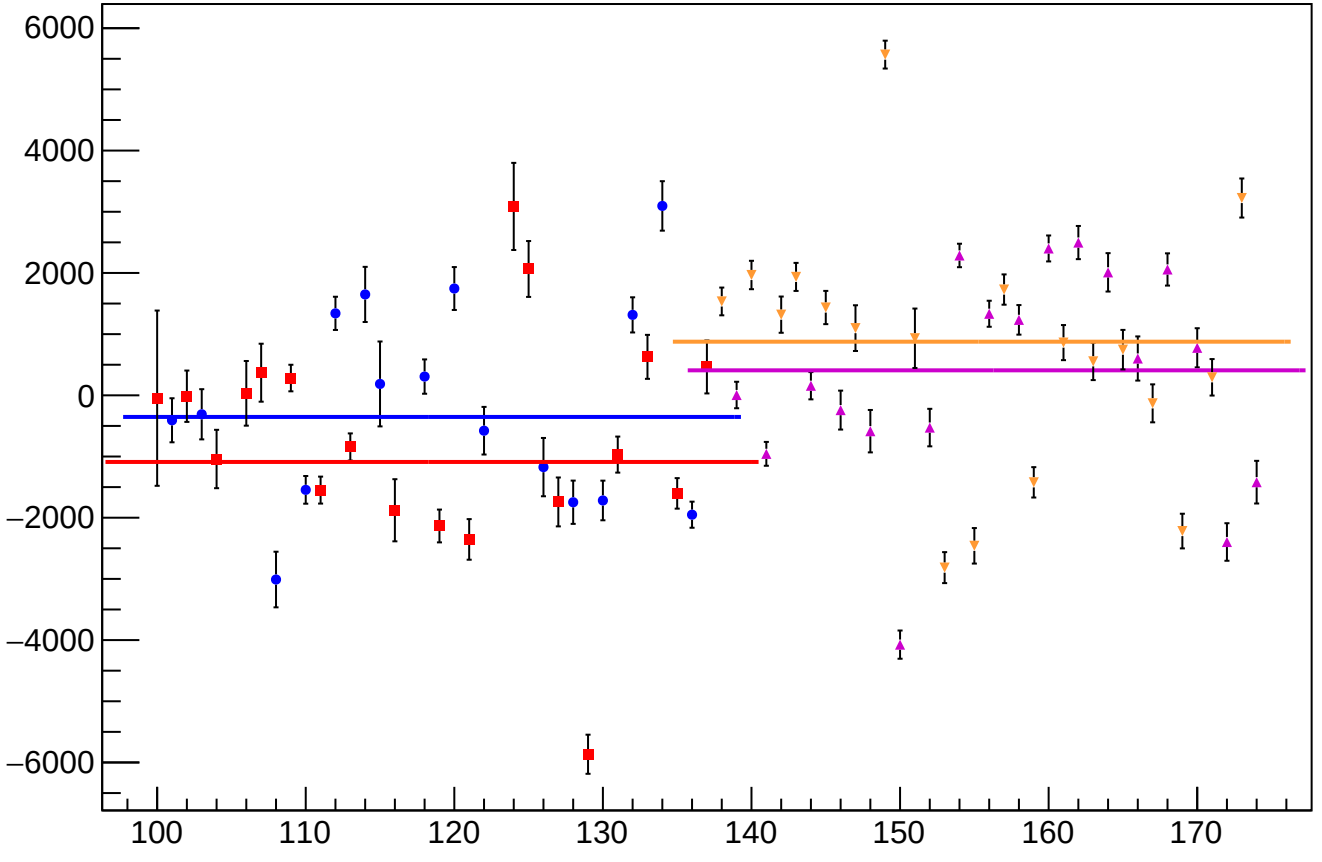
Right: 113.630+/-0.023 χ^2/NDF: 2445233.6/34

In: 130.269+/-0.021 χ^2/NDF:2640791.1/33

Out: 126.710+/-0.020 χ^2/NDF:2735200.6/37

All: 128.423+/-0.014 χ^2/NDF: 5391505.4/71

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -353.129+/-82.136 χ^2/NDF: 361.8/15

Left Out: 876.702+/-63.372 χ^2/NDF:1114.4/18

Right Out: -1088.752+/-76.444 χ^2/NDF: 447.2/18

Left In: 408.522+/-59.919 χ^2/NDF:905.0/17

Left: 629.510+/-43.539 χ^2/NDF: 2048.2/36

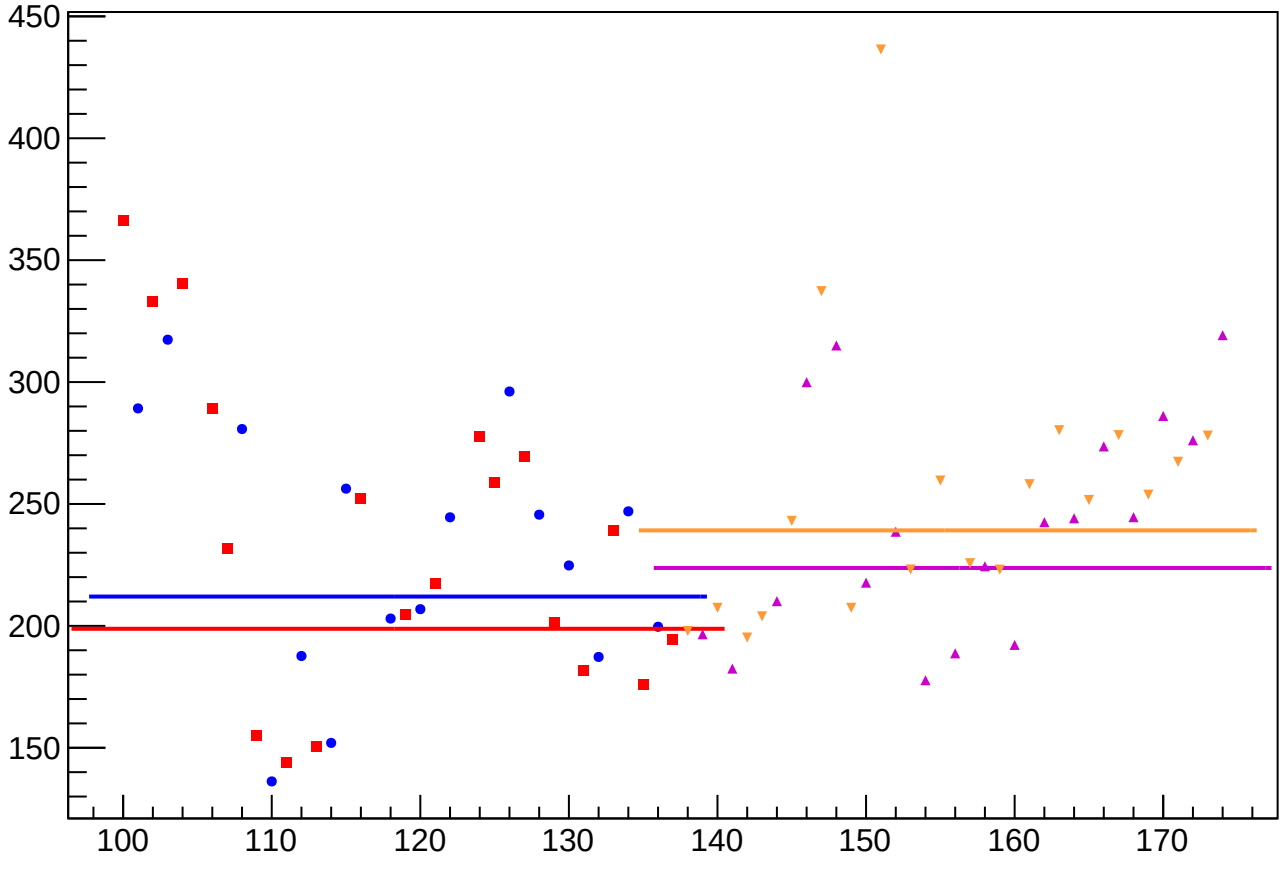
Right: -747.310+/-55.958 χ^2/NDF: 852.0/34

In: 143.972+/-48.407 χ^2/NDF:1322.9/33

Out: 76.144+/-48.787 χ^2/NDF:1953.4/37

All: 110.323+/-34.363 χ^2/NDF: 3277.3/71

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 212.027+/-0.058 χ^2/NDF: 690358.0/15

Left Out: 239.173+/-0.045 χ^2/NDF:866914.9/18

Right Out: 198.809+/-0.054 χ^2/NDF: 974928.4/18

Left In: 223.754+/-0.042 χ^2/NDF:954842.5/17

Left: 231.032+/-0.031 χ^2/NDF: 1884270.5/36

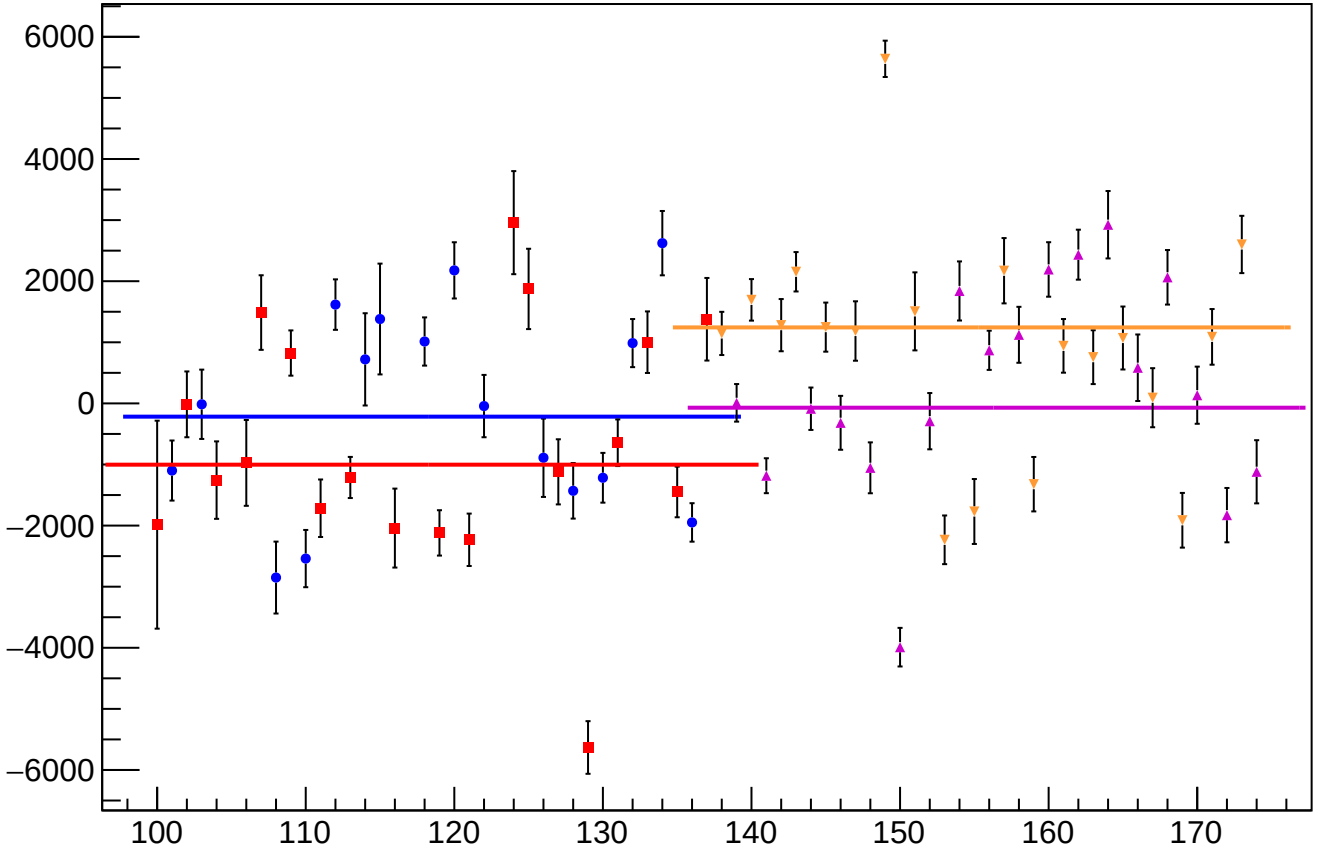
Right: 204.945+/-0.040 χ^2/NDF: 1693041.6/34

In: 219.681+/-0.034 χ^2/NDF:1671809.6/33

Out: 222.733+/-0.034 χ^2/NDF:2172334.3/37

All: 221.195+/-0.024 χ^2/NDF: 3848086.2/71

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: -216.948+/-117.887 χ^2/NDF: 192.2/15

Left Out: 1243.660+/-96.644 χ^2/NDF:438.8/18

Right Out: -1003.049+/-113.111 χ^2/NDF: 254.3/18

Left In: -70.590+/-94.675 χ^2/NDF:343.3/17

Left: 573.011+/-67.630 χ^2/NDF: 876.4/36

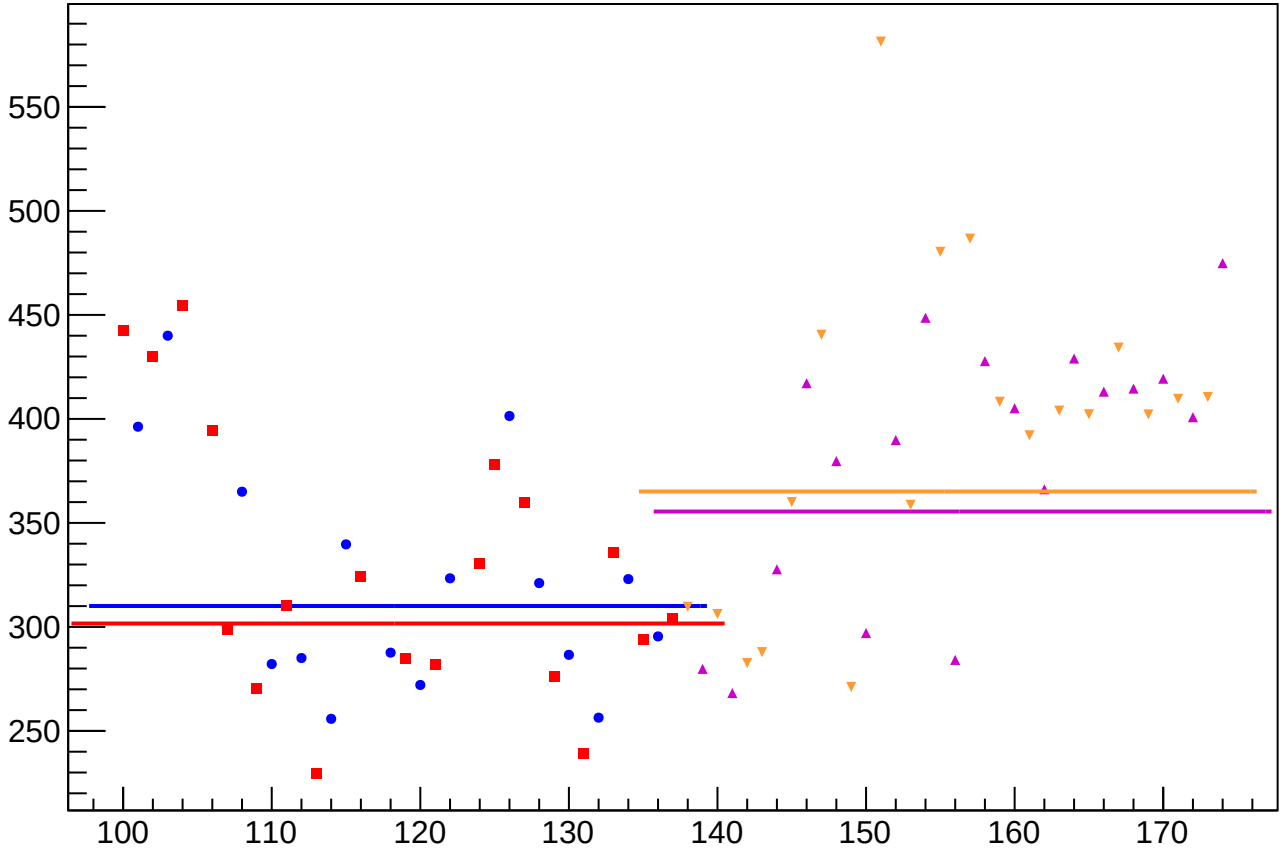
Right: -626.246+/-81.618 χ^2/NDF: 469.7/34

In: -127.974+/-73.817 χ^2/NDF:536.4/33

Out: 295.606+/-73.476 χ^2/NDF:921.2/37

All: 84.796+/-52.076 χ^2/NDF: 1474.1/71

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 310.062+/-0.083 χ^2/NDF: 323283.5/15

Left Out: 365.095+/-0.068 χ^2/NDF:1118888.9/18

Right Out: 301.637+/-0.080 χ^2/NDF: 519888.9/18

Left In: 355.467+/-0.067 χ^2/NDF:952675.3/17

Left: 360.182+/-0.048 χ^2/NDF: 2081693.6/36

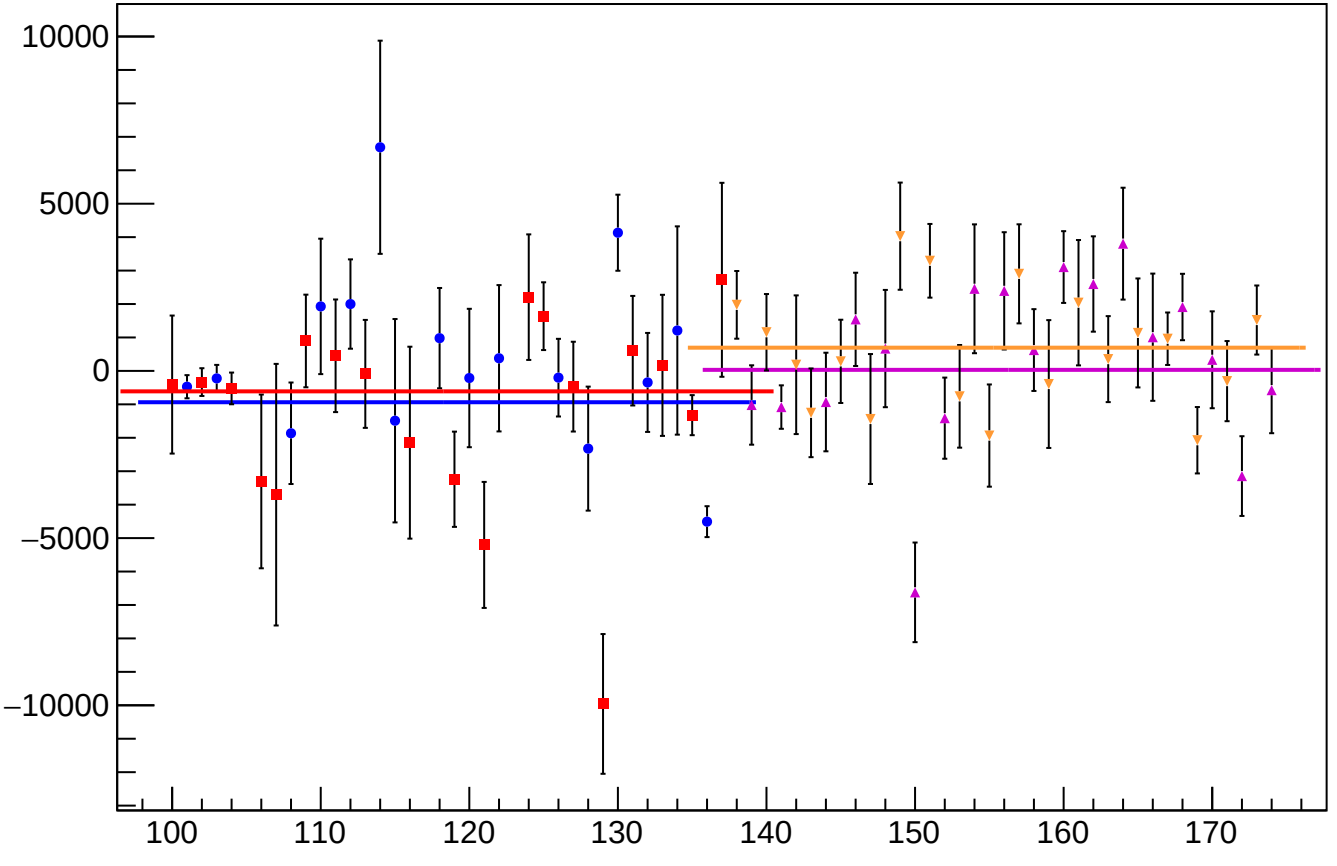
Right: 305.675+/-0.058 χ^2/NDF: 848490.9/34

In: 337.664+/-0.052 χ^2/NDF:1456320.7/33

Out: 338.317+/-0.052 χ^2/NDF:2002642.7/37

All: 337.992+/-0.037 χ^2/NDF: 3459042.1/71

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: -936.949+/-204.717 χ^2/NDF: 101.2/15

Left Out: 694.469+/-291.279 χ^2/NDF:31.5/18

Right Out: -611.668+/-233.144 χ^2/NDF: 44.1/18

Left In: 31.310+/-294.102 χ^2/NDF:58.2/17

Left: 366.087+/-206.956 χ^2/NDF: 92.2/36

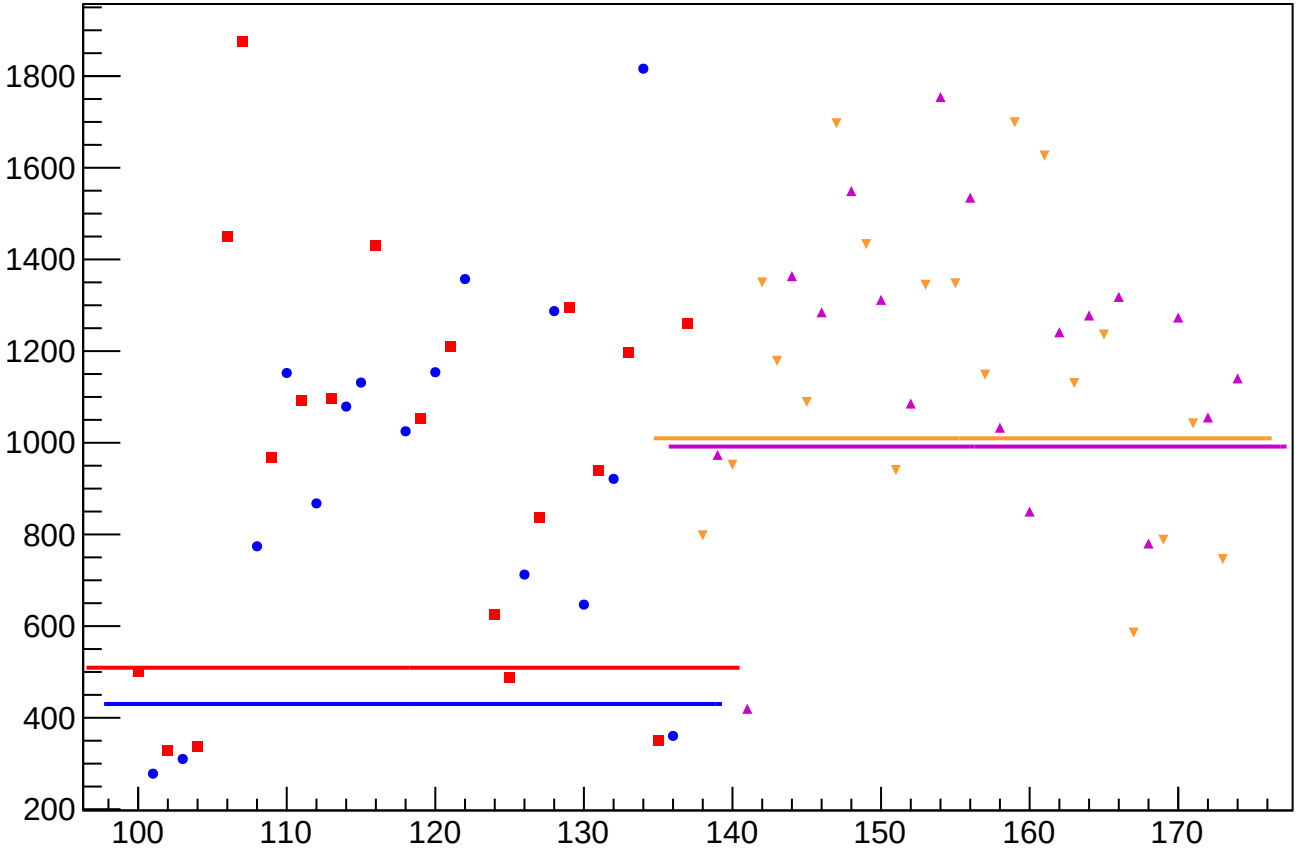
Right: -795.339+/-153.831 χ^2/NDF: 146.4/34

In: -620.928+/-168.020 χ^2/NDF:166.7/33

Out: -101.633+/-182.018 χ^2/NDF:87.9/37

All: -382.015+/-123.461 χ^2/NDF: 258.9/71

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 430.110+/-0.145 χ^2/NDF: 3521861.8/15

Left Out: 1009.792+/-0.206 χ^2/NDF:2143604.0/18

Right Out: 509.236+/-0.165 χ^2/NDF: 3673425.8/18

Left In: 991.758+/-0.208 χ^2/NDF:2991108.8/17

Left: 1000.862+/-0.146 χ^2/NDF: 5138508.8/36

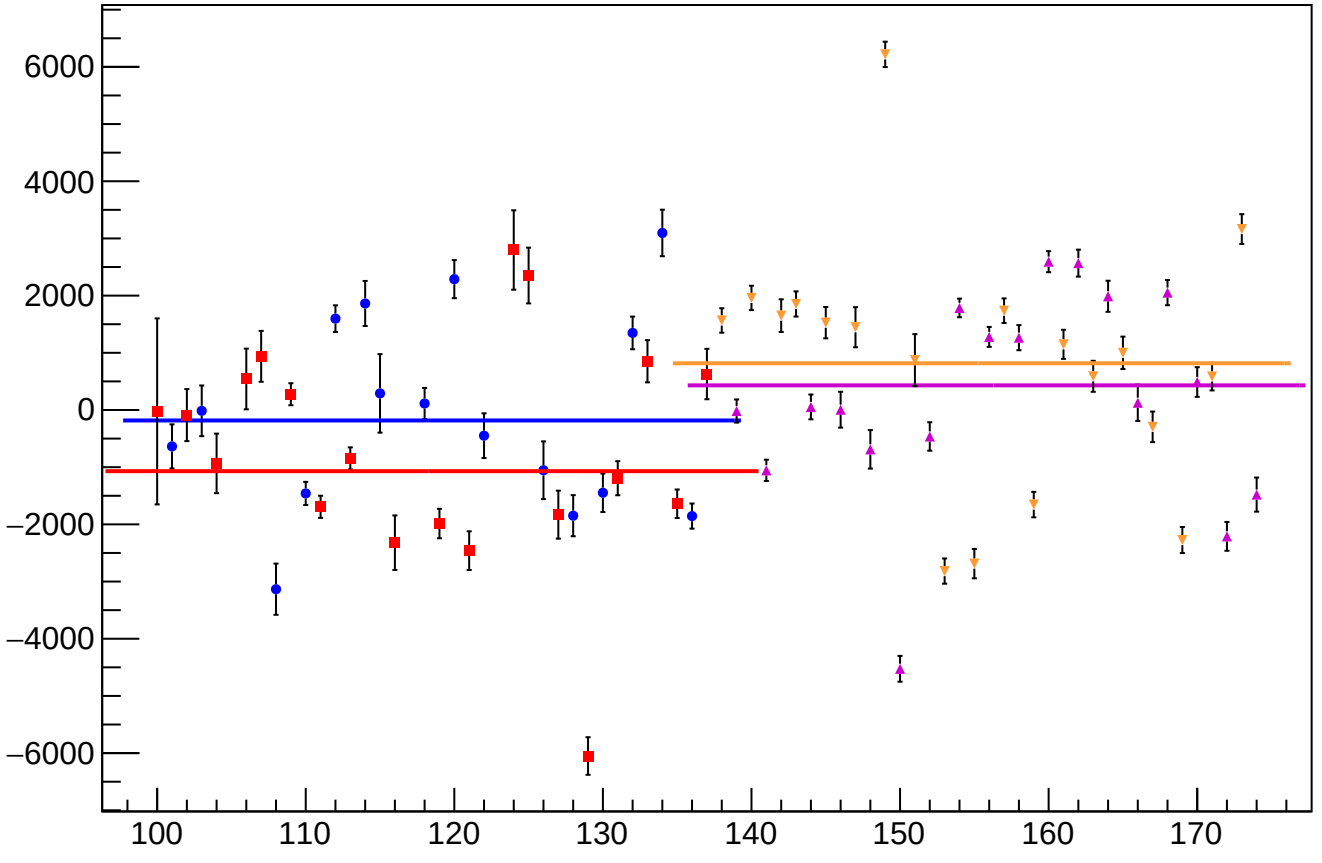
Right: 464.557+/-0.109 χ^2/NDF: 7325362.7/34

In: 613.422+/-0.119 χ^2/NDF:11426306.7/33

Out: 704.698+/-0.129 χ^2/NDF:9416977.7/37

All: 655.416+/-0.087 χ^2/NDF: 21114839.3/71

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -183.020+/-79.863 χ^2/NDF: 417.7/15

Left Out: 816.802+/-57.037 χ^2/NDF:1559.2/18

Right Out: -1069.729+/-73.060 χ^2/NDF: 492.3/18

Left In: 430.519+/-53.134 χ^2/NDF:1146.7/17

Left: 609.992+/-38.878 χ^2/NDF: 2730.5/36

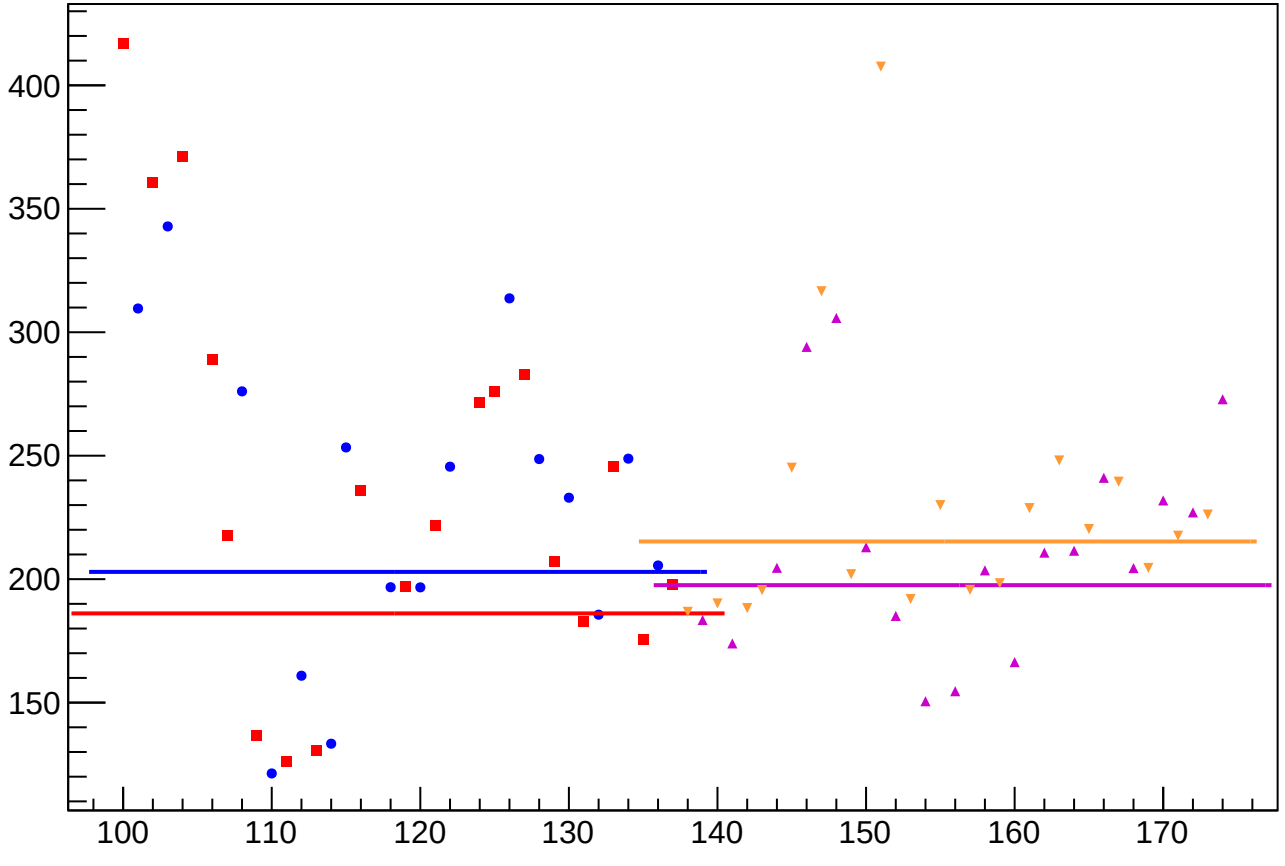
Right: -665.741+/-53.906 χ^2/NDF: 977.1/34

In: 242.270+/-44.238 χ^2/NDF:1605.3/33

Out: 102.423+/-44.959 χ^2/NDF:2465.8/37

All: 173.477+/-31.533 χ^2/NDF: 4076.0/71

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 202.941+/-0.056 χ^2/NDF: 1071859.2/15

Left Out: 215.257+/-0.040 χ^2/NDF:770124.2/18

Right Out: 186.129+/-0.052 χ^2/NDF: 1481664.4/18

Left In: 197.569+/-0.038 χ^2/NDF:1042809.0/17

Left: 205.787+/-0.027 χ^2/NDF: 1915913.7/36

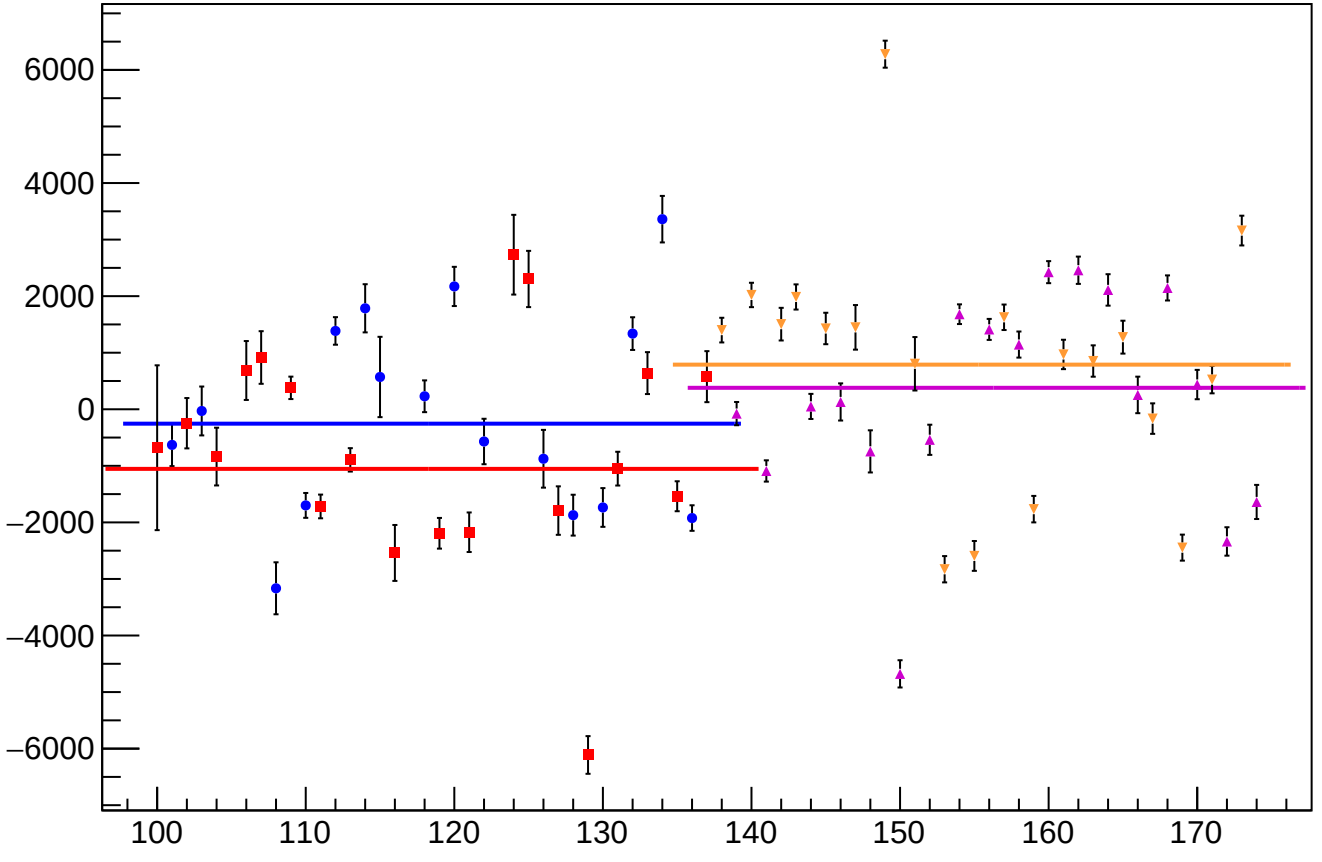
Right: 193.789+/-0.038 χ^2/NDF: 2601774.8/34

In: 199.217+/-0.031 χ^2/NDF:2120941.7/33

Out: 204.227+/-0.032 χ^2/NDF:2449309.7/37

All: 201.682+/-0.022 χ^2/NDF: 4582868.9/71

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: -254.470+/-82.490 χ^2/NDF: 409.3/15

Left Out: 789.317+/-58.652 χ^2/NDF:1447.1/18

Right Out: -1053.731+/-75.969 χ^2/NDF: 477.7/18

Left In: 379.538+/-55.154 χ^2/NDF:1076.3/17

Left: 571.845+/-40.180 χ^2/NDF: 2549.3/36

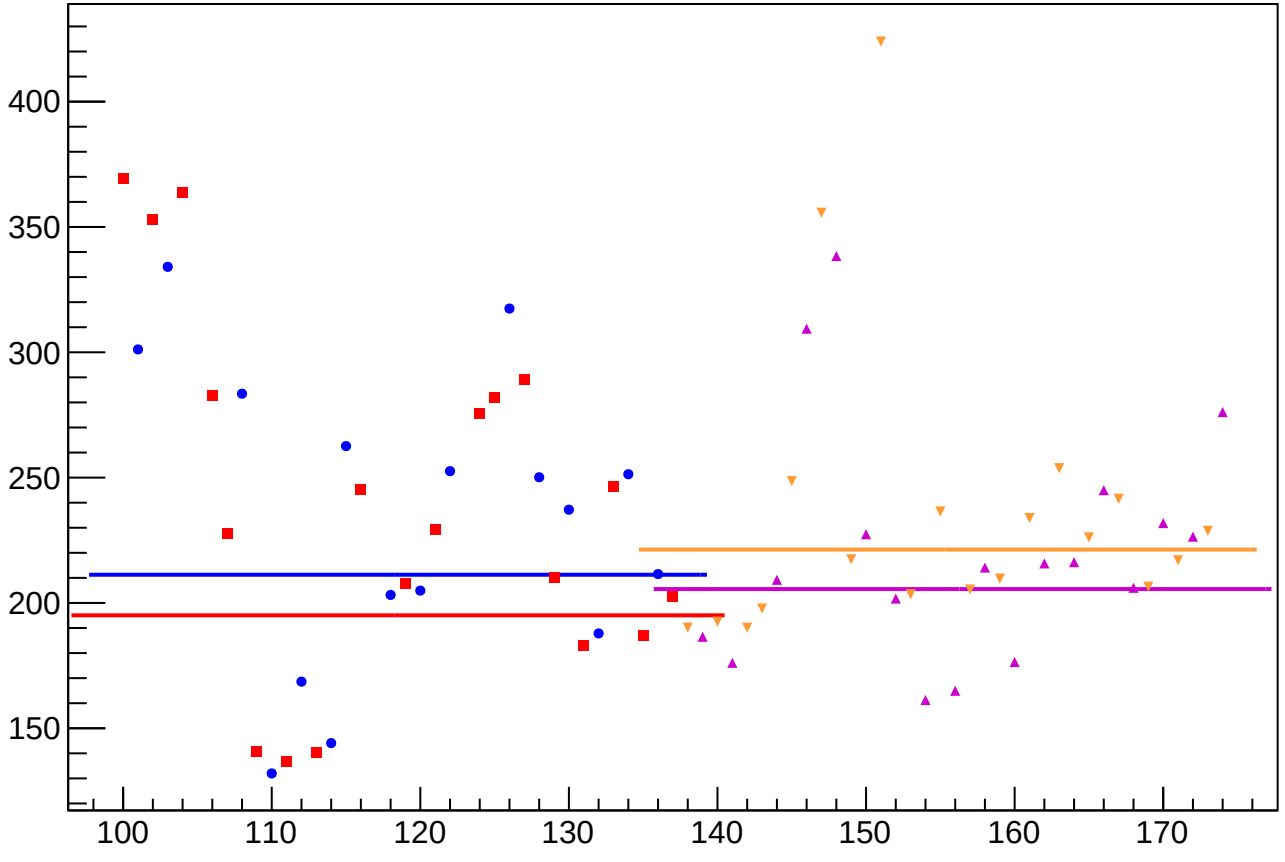
Right: -686.933+/-55.882 χ^2/NDF: 937.7/34

In: 183.667+/-45.850 χ^2/NDF:1526.4/33

Out: 101.014+/-46.426 χ^2/NDF:2293.5/37

All: 142.856+/-32.622 χ^2/NDF: 3821.5/71

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 211.254+/-0.058 χ^2/NDF: 884363.6/15

Left Out: 221.298+/-0.041 χ^2/NDF:830106.8/18

Right Out: 195.061+/-0.054 χ^2/NDF: 1284879.9/18

Left In: 205.540+/-0.039 χ^2/NDF:989995.8/17

Left: 212.935+/-0.028 χ^2/NDF: 1896715.3/36

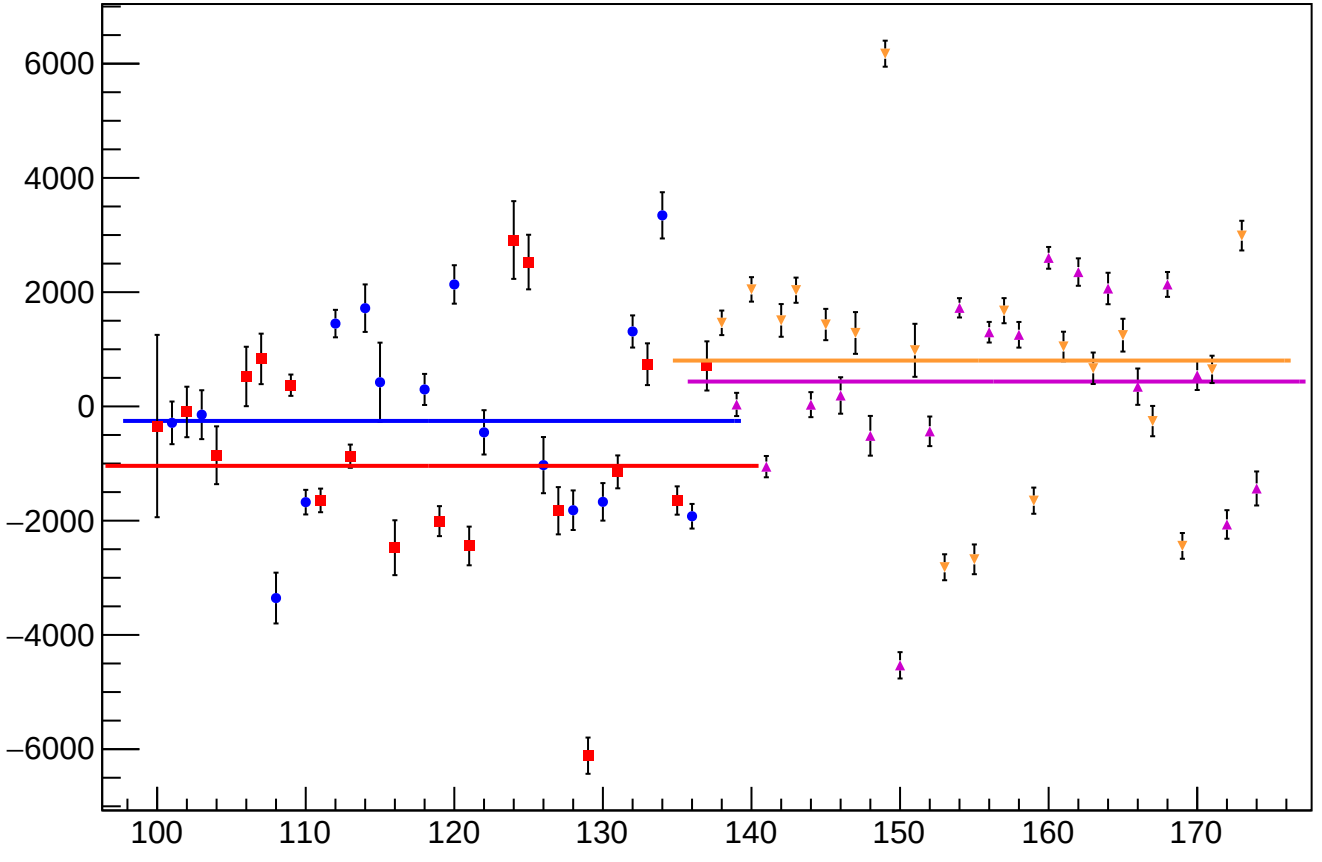
Right: 202.492+/-0.040 χ^2/NDF: 2210941.3/34

In: 207.305+/-0.032 χ^2/NDF:1880990.4/33

Out: 211.499+/-0.033 χ^2/NDF:2264442.2/37

All: 209.376+/-0.023 χ^2/NDF: 4153696.6/71

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -254.044+/-80.222 χ^2/NDF: 432.1/15

Left Out: 802.757+/-57.619 χ^2/NDF:1503.2/18

Right Out: -1040.361+/-73.363 χ^2/NDF: 533.4/18

Left In: 435.222+/-54.033 χ^2/NDF:1077.7/17

Left: 607.197+/-39.414 χ^2/NDF: 2602.6/36

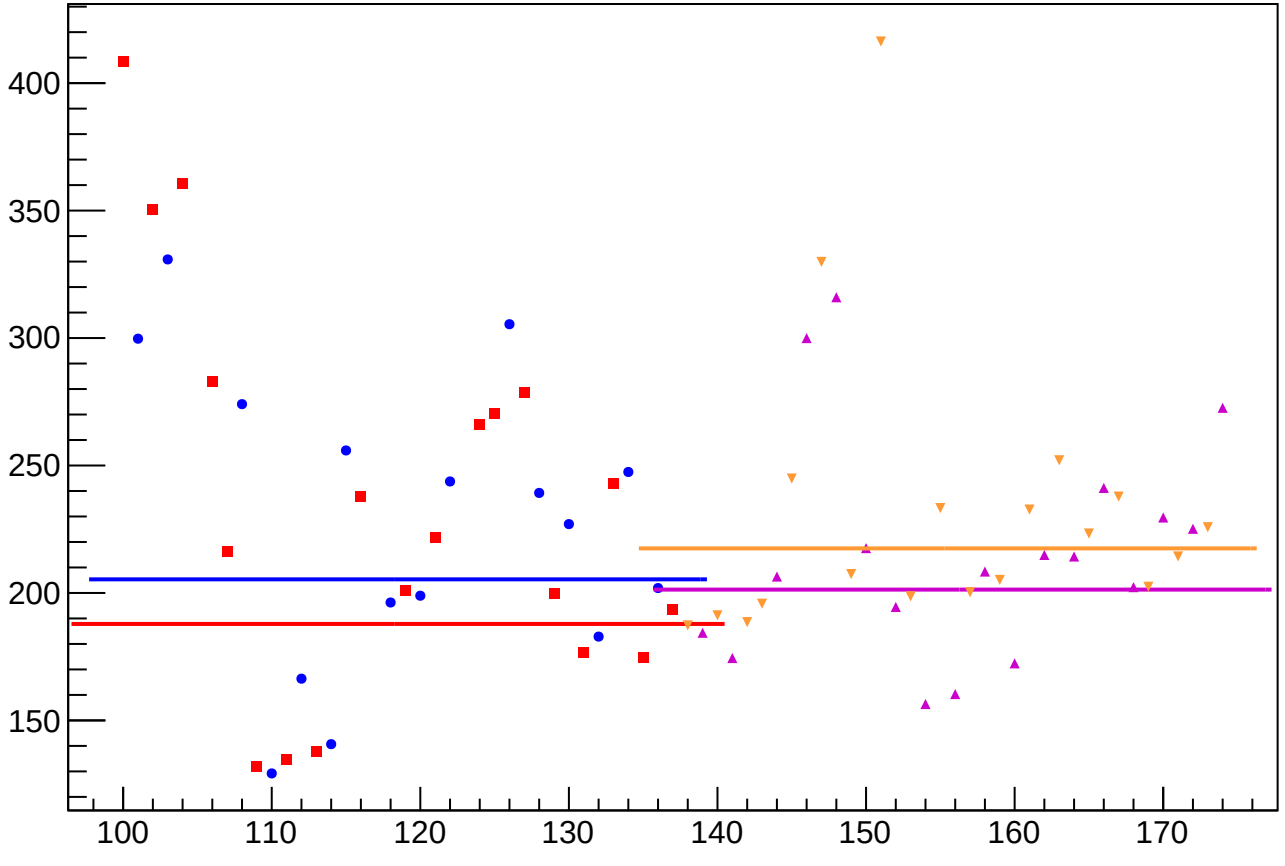
Right: -682.251+/-54.138 χ^2/NDF: 1017.8/34

In: 220.114+/-44.816 χ^2/NDF:1560.5/33

Out: 99.579+/-45.314 χ^2/NDF:2427.0/37

All: 160.513+/-31.864 χ^2/NDF: 3991.1/71

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 205.341+/-0.057 χ^2/NDF: 877398.6/15

Left Out: 217.486+/-0.041 χ^2/NDF:791004.2/18

Right Out: 187.848+/-0.052 χ^2/NDF: 1337049.4/18

Left In: 201.318+/-0.038 χ^2/NDF:967781.4/17

Left: 208.883+/-0.028 χ^2/NDF: 1842575.6/36

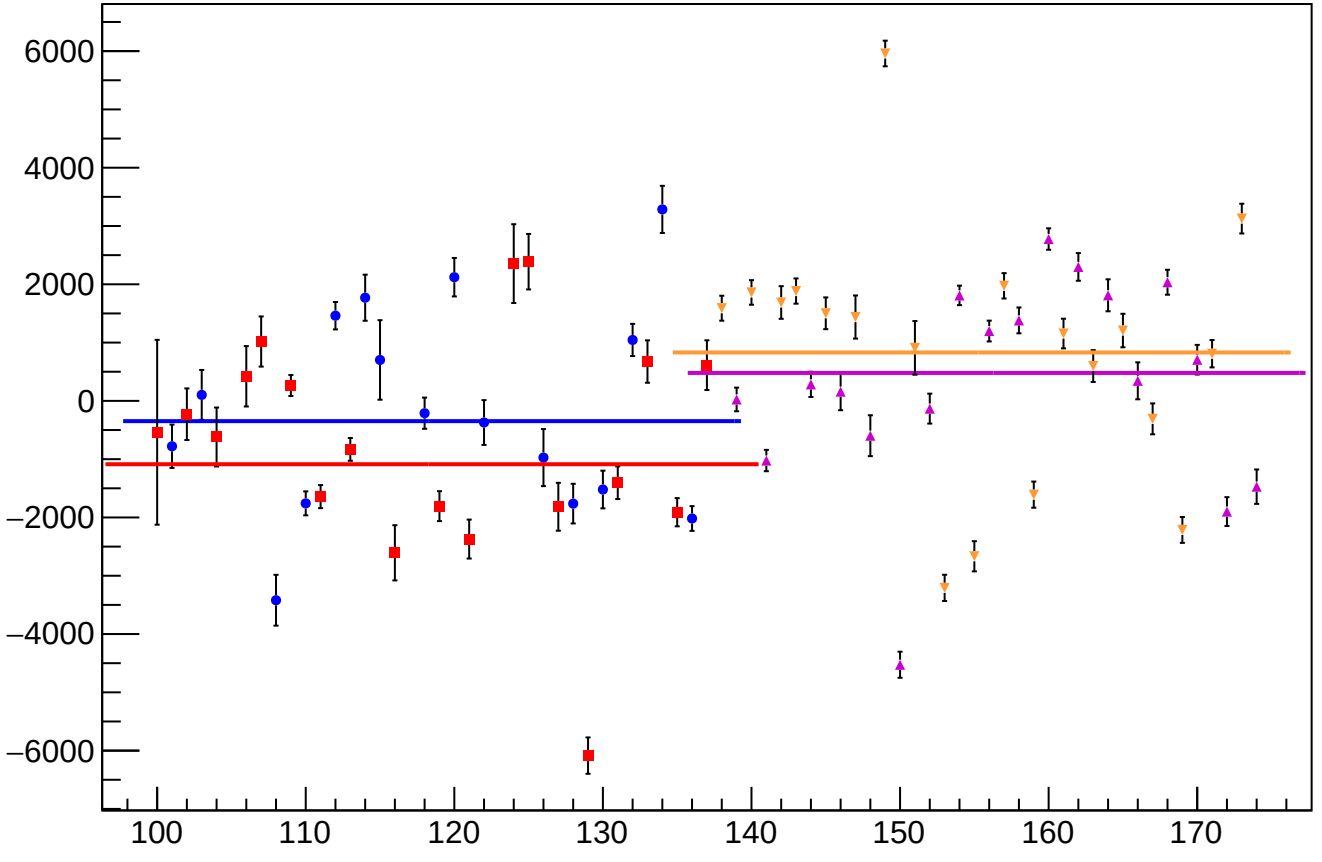
Right: 195.815+/-0.038 χ^2/NDF: 2266235.0/34

In: 202.573+/-0.032 χ^2/NDF:1848640.8/33

Out: 206.179+/-0.032 χ^2/NDF:2329932.3/37

All: 204.356+/-0.023 χ^2/NDF: 4184973.2/71

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: -347.666+/-78.567 χ^2/NDF: 445.8/15

Left Out: 830.440+/-56.862 χ^2/NDF:1564.7/18

Right Out: -1086.638+/-71.539 χ^2/NDF: 527.2/18

Left In: 479.349+/-53.326 χ^2/NDF:1113.7/17

Left: 643.640+/-38.897 χ^2/NDF: 2698.7/36

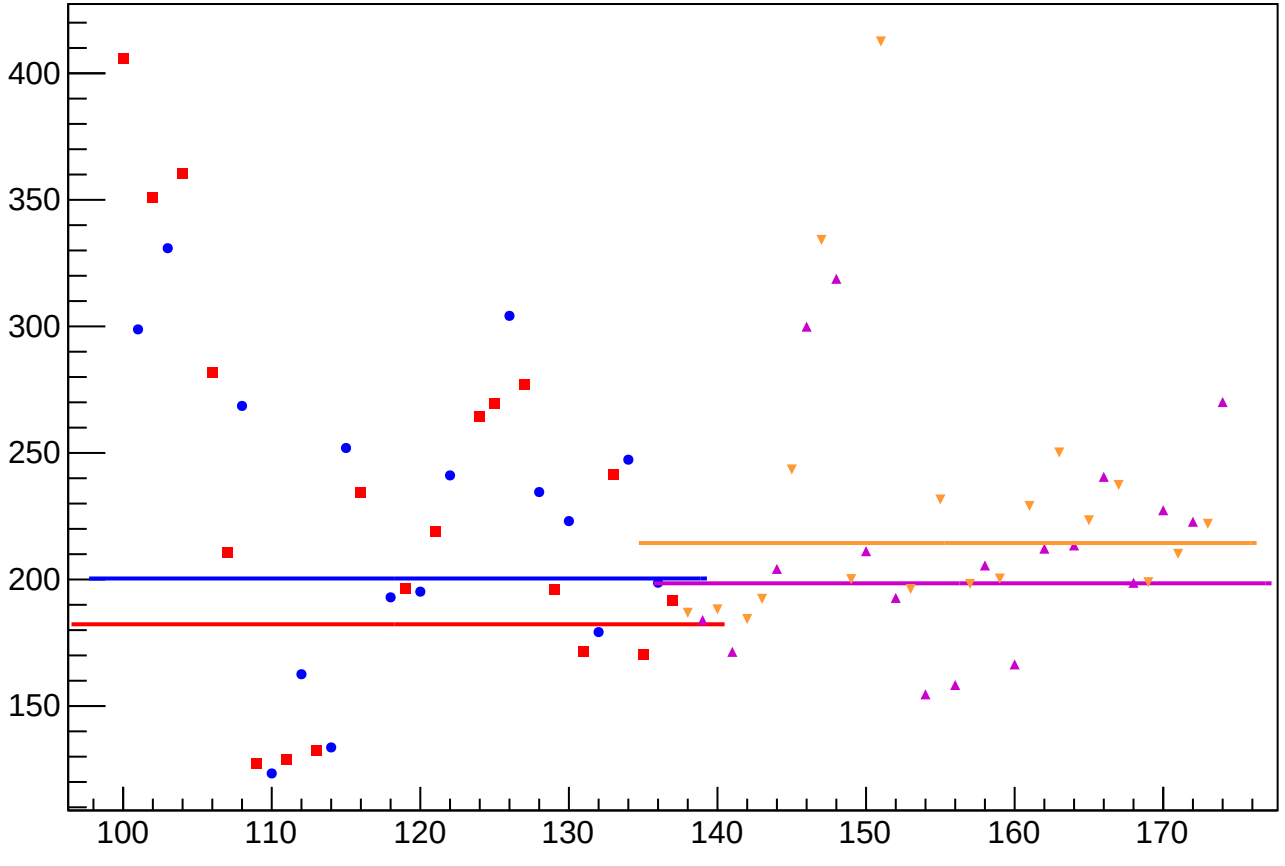
Right: -751.676+/-52.896 χ^2/NDF: 1021.4/34

In: 218.521+/-44.123 χ^2/NDF:1635.3/33

Out: 88.213+/-44.513 χ^2/NDF:2532.0/37

All: 153.941+/-31.337 χ^2/NDF: 4171.7/71

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.399+/-0.056 χ^2/NDF: 959000.8/15

Left Out: 214.412+/-0.040 χ^2/NDF:829665.9/18

Right Out: 182.302+/-0.051 χ^2/NDF: 1447197.0/18

Left In: 198.492+/-0.038 χ^2/NDF:1012376.0/17

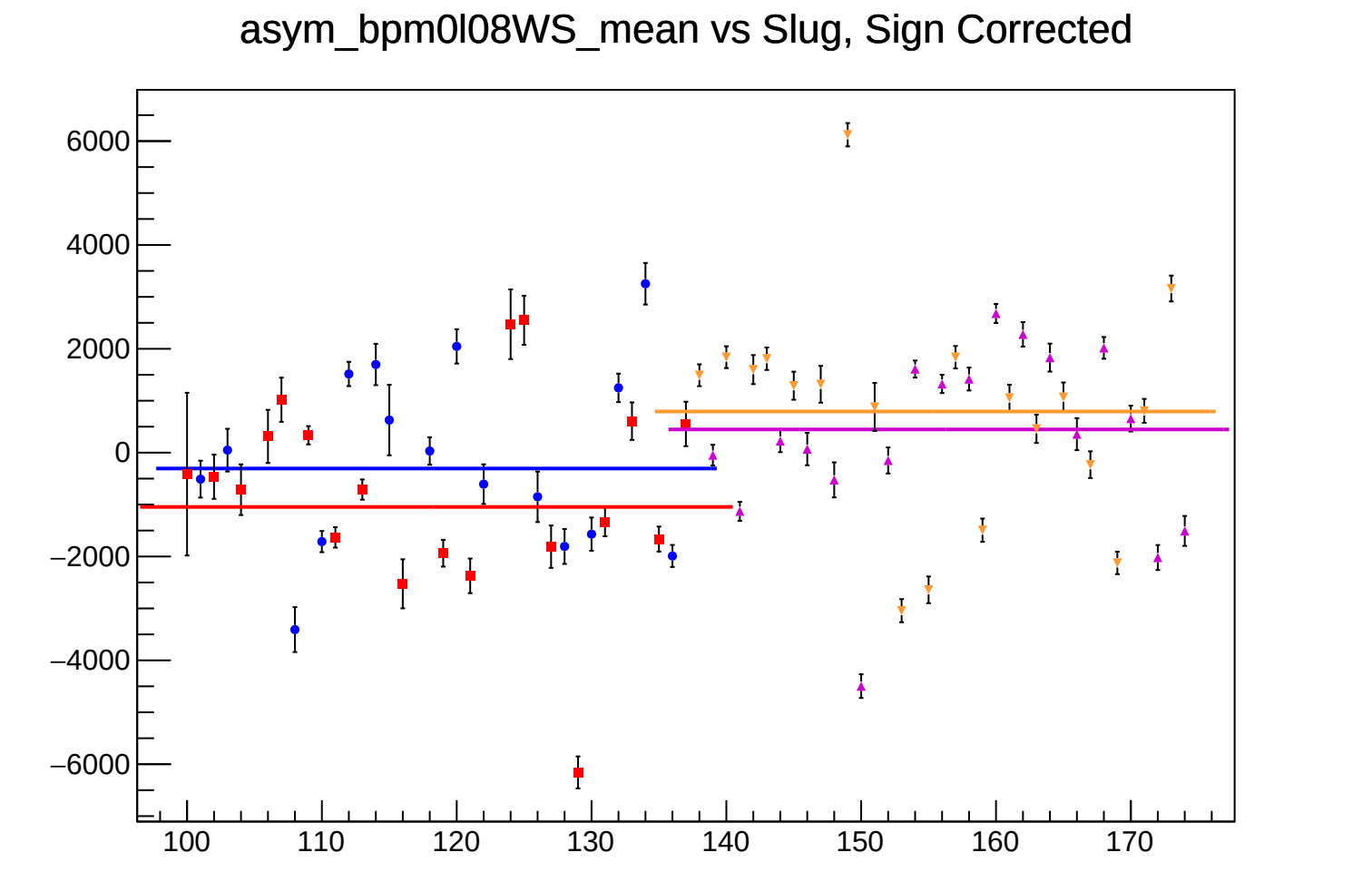
Left: 205.942+/-0.028 χ^2/NDF: 1925454.9/36

Right: 190.505+/-0.037 χ^2/NDF: 2464212.0/34

In: 199.093+/-0.031 χ^2/NDF:1972183.3/33

Out: 201.980+/-0.031 χ^2/NDF:2523794.4/37

All: 200.524+/-0.022 χ^2/NDF: 4500220.0/71



Right In: -305.649+/-77.868 χ^2/NDF: 451.8/15

Left Out: 792.865+/-56.332 χ^2/NDF:1530.0/18

Right Out: -1045.144+/-70.824 χ^2/NDF: 552.2/18

Left In: 447.098+/-52.642 χ^2/NDF:1102.1/17

Left: 608.288+/-38.462 χ^2/NDF: 2652.2/36

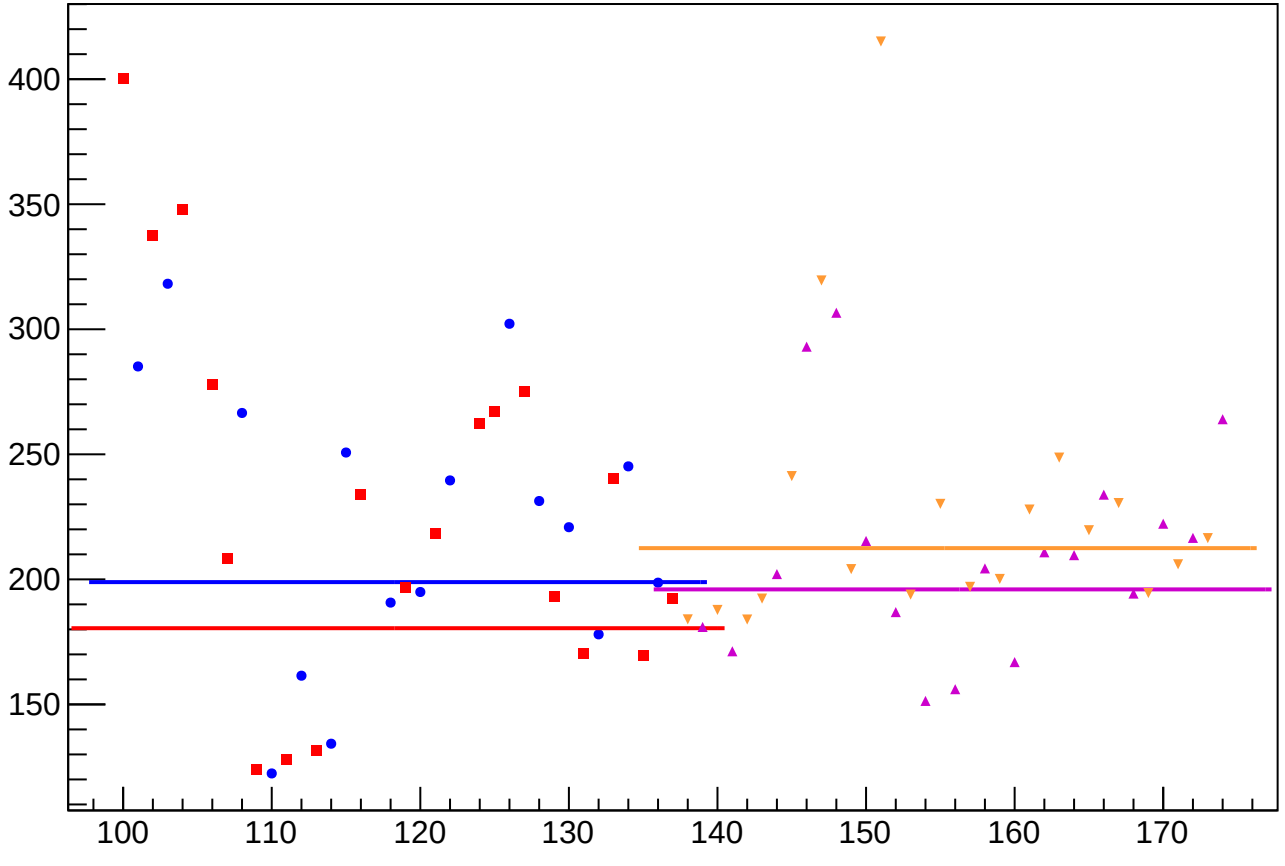
Right: -710.354+/-52.394 χ^2/NDF: 1053.3/34

In: 210.981+/-43.611 χ^2/NDF:1618.0/33

Out: 80.649+/-44.087 χ^2/NDF:2494.7/37

All: 146.521+/-31.005 χ^2/NDF: 4117.1/71

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 198.903+/-0.055 χ^2/NDF: 912765.0/15

Left Out: 212.488+/-0.040 χ^2/NDF:803098.7/18

Right Out: 180.473+/-0.050 χ^2/NDF: 1434435.8/18

Left In: 195.990+/-0.037 χ^2/NDF:969814.7/17

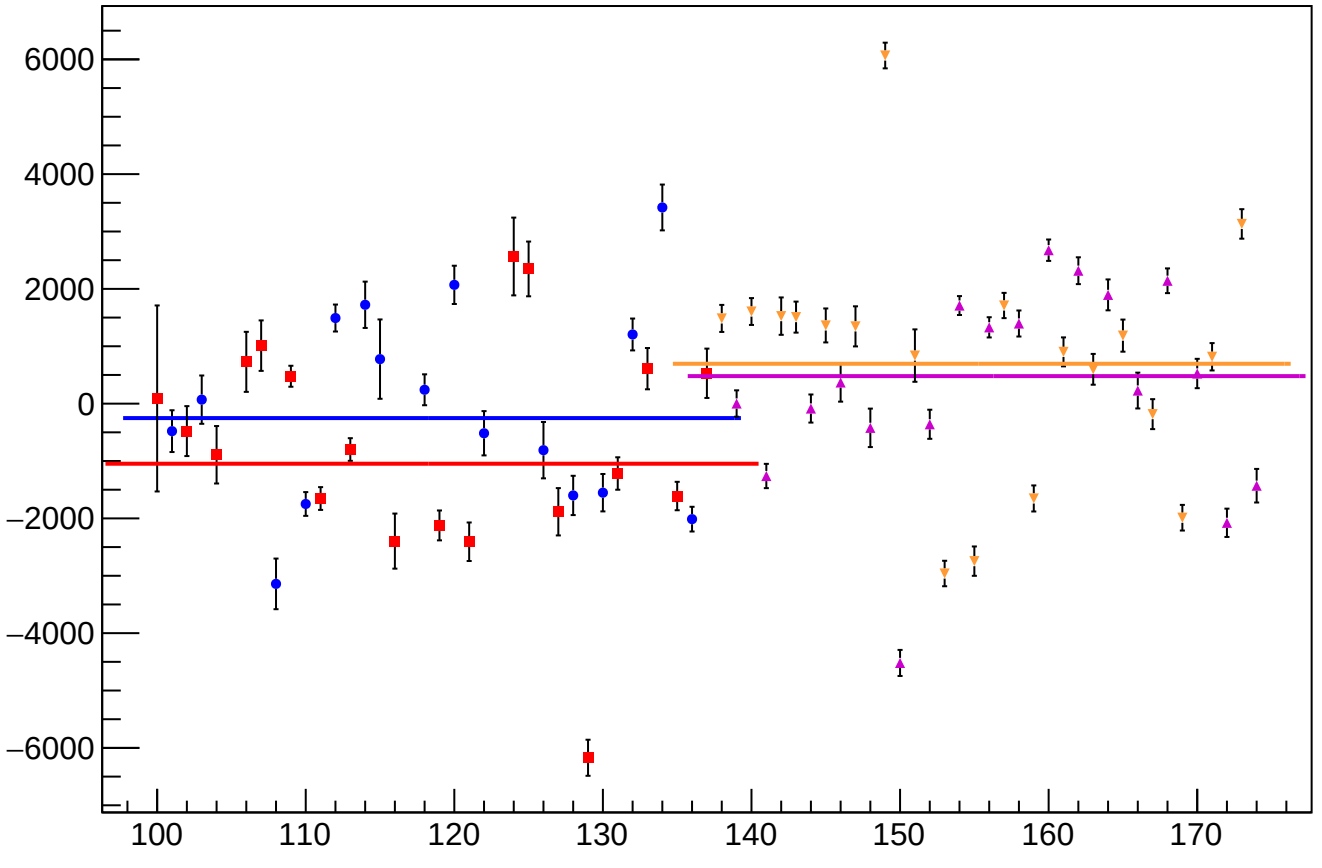
Left: 203.681+/-0.027 χ^2/NDF: 1864489.0/36

Right: 188.816+/-0.037 χ^2/NDF: 2408514.3/34

In: 196.904+/-0.031 χ^2/NDF:1884499.9/33

Out: 200.082+/-0.031 χ^2/NDF:2487860.7/37

All: 198.476+/-0.022 χ^2/NDF: 4377615.4/71



Right In: -251.795+/-78.974 χ^2/NDF: 441.2/15

Left Out: 695.039+/-58.810 χ^2/NDF:1455.8/18

Right Out: -1047.132+/-72.190 χ^2/NDF: 546.7/18

Left In: 479.667+/-54.619 χ^2/NDF:1113.5/17

Left: 579.406+/-40.021 χ^2/NDF: 2576.5/36

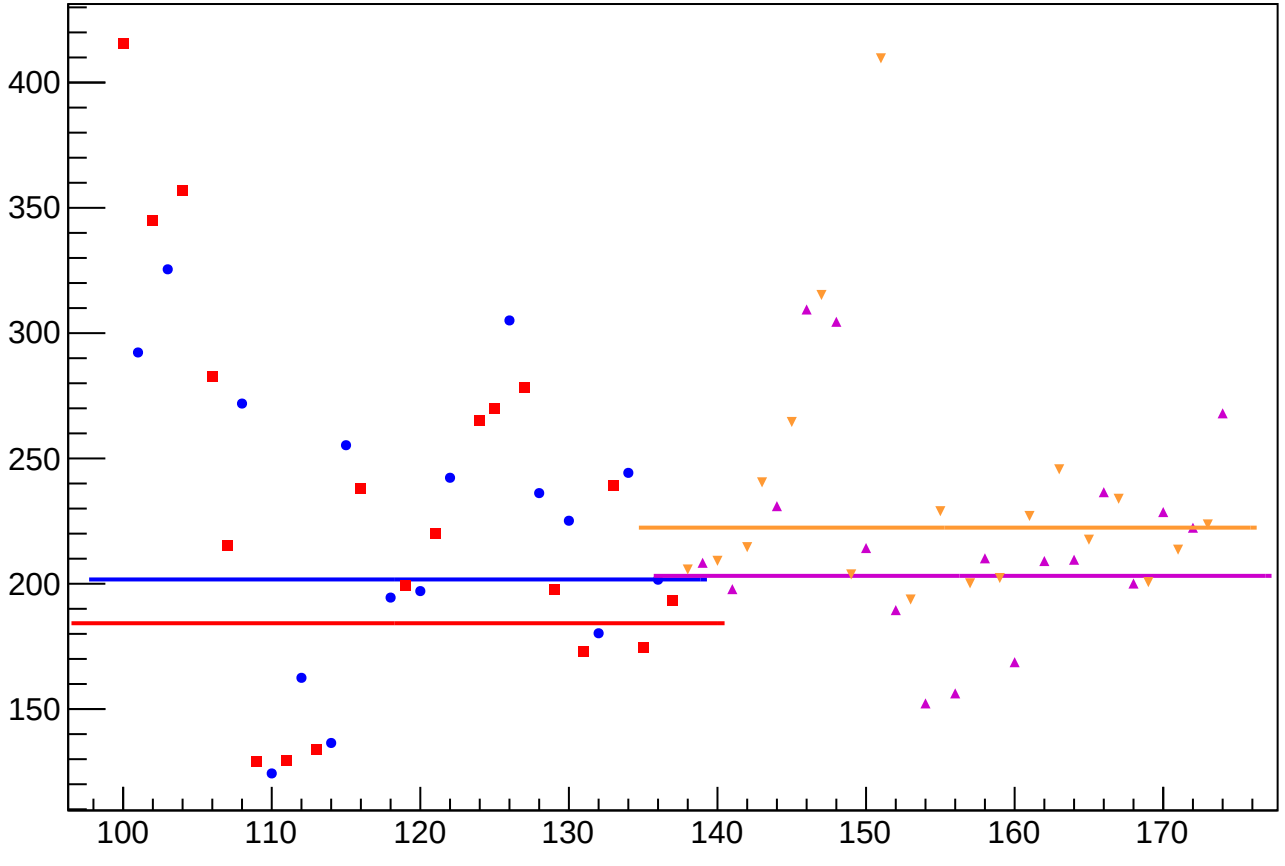
Right: -685.086+/-53.283 χ^2/NDF: 1043.2/34

In: 242.997+/-44.922 χ^2/NDF:1612.7/33

Out: 0.054+/-45.595 χ^2/NDF:2352.6/37

All: 123.332+/-32.000 χ^2/NDF: 3979.8/71

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 201.714+/-0.056 χ^2/NDF: 924210.1/15

Left Out: 222.393+/-0.042 χ^2/NDF:671153.9/18

Right Out: 184.244+/-0.051 χ^2/NDF: 1403761.8/18

Left In: 203.151+/-0.039 χ^2/NDF:982644.8/17

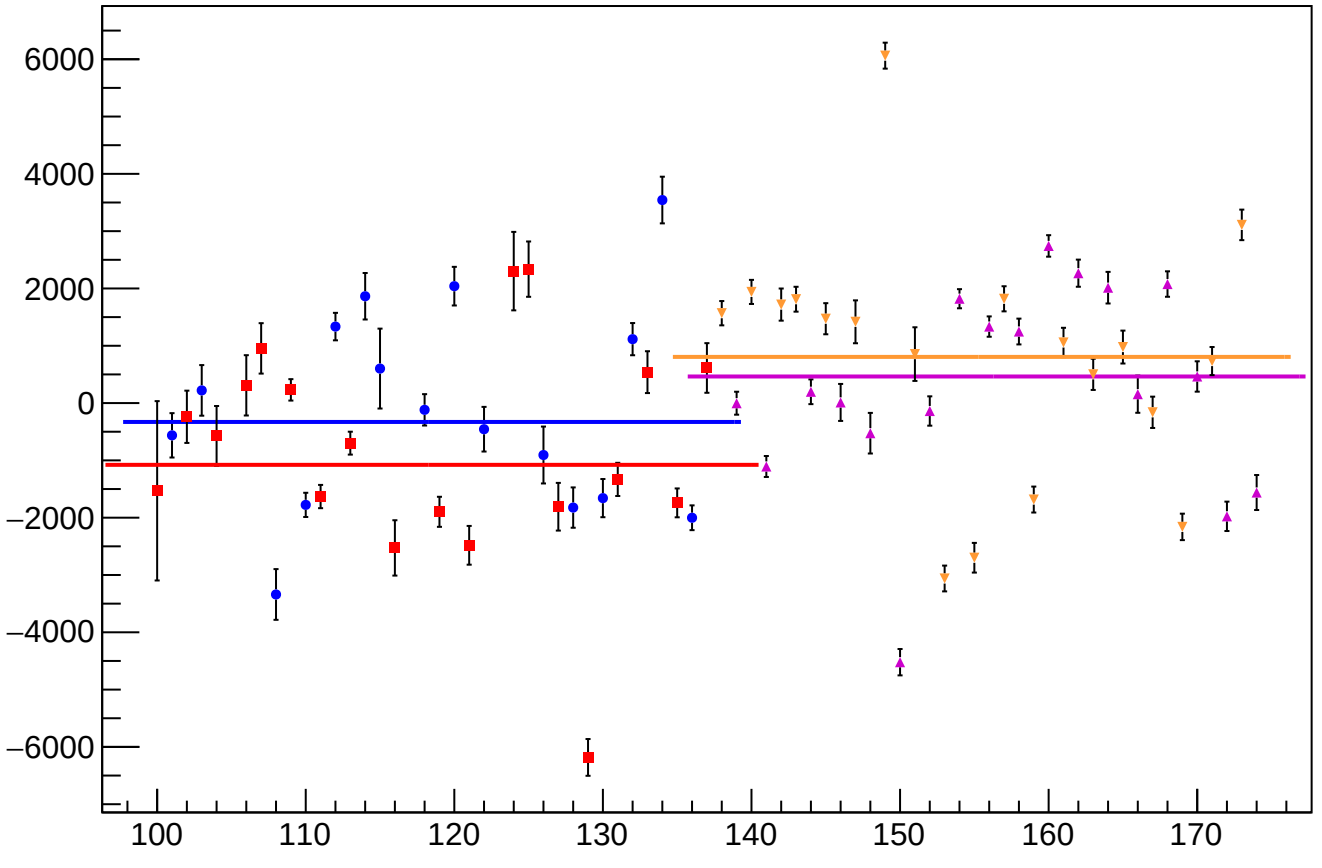
Left: 212.062+/-0.028 χ^2/NDF: 1768749.6/36

Right: 192.196+/-0.038 χ^2/NDF: 2381288.1/34

In: 202.686+/-0.032 χ^2/NDF:1907303.2/33

Out: 207.175+/-0.032 χ^2/NDF:2410638.4/37

All: 204.897+/-0.023 χ^2/NDF: 4327777.1/71



Right In: -329.377+/-80.367 χ^2/NDF: 436.4/15

Left Out: 805.823+/-57.509 χ^2/NDF:1496.8/18

Right Out: -1077.876+/-73.404 χ^2/NDF: 502.0/18

Left In: 463.940+/-53.862 χ^2/NDF:1093.4/17

Left: 623.698+/-39.312 χ^2/NDF: 2609.0/36

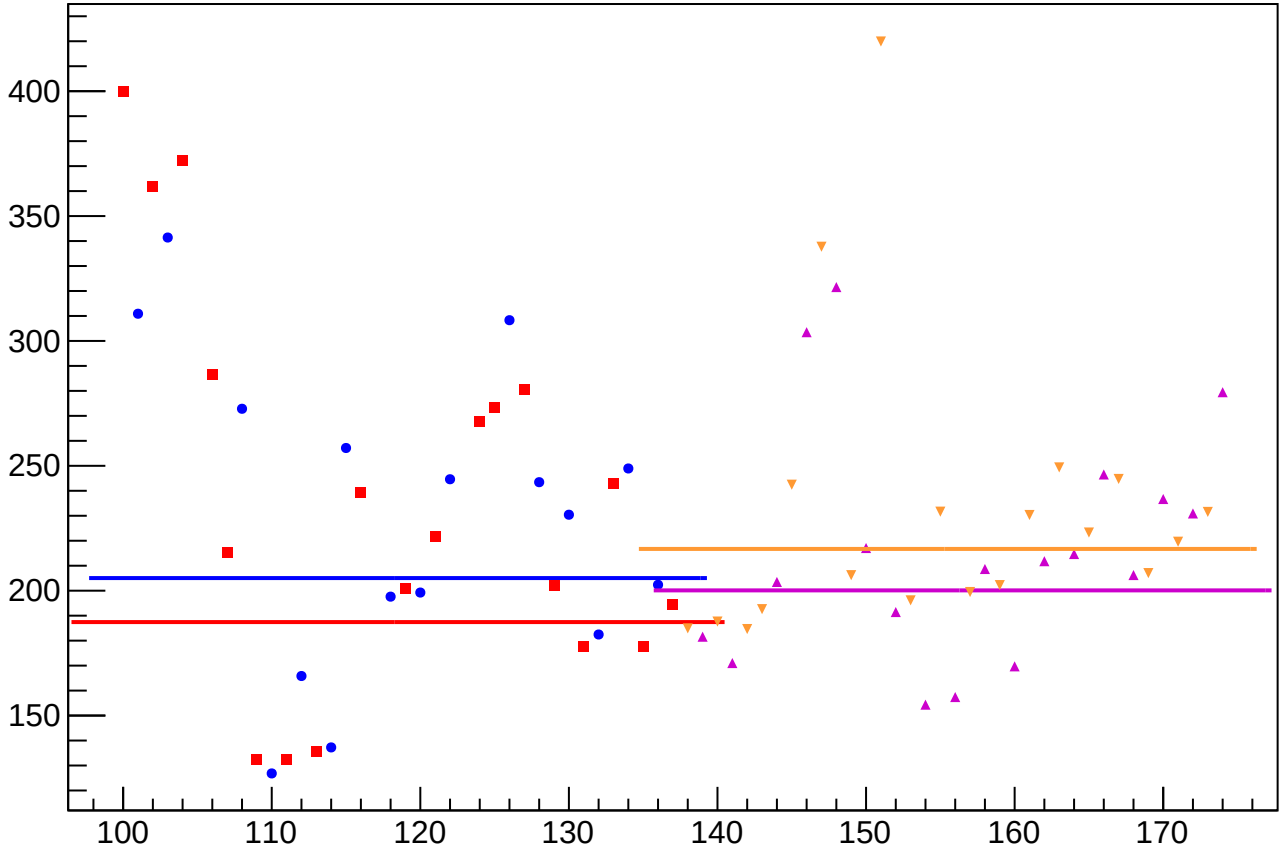
Right: -737.449+/-54.199 χ^2/NDF: 985.7/34

In: 218.055+/-44.743 χ^2/NDF:1597.0/33

Out: 89.370+/-45.270 χ^2/NDF:2406.9/37

All: 154.467+/-31.823 χ^2/NDF: 4008.0/71

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 205.053+/-0.057 χ^2/NDF: 963052.0/15

Left Out: 216.724+/-0.041 χ^2/NDF:852610.9/18

Right Out: 187.431+/-0.052 χ^2/NDF: 1410802.2/18

Left In: 200.122+/-0.038 χ^2/NDF:1097994.5/17

Left: 207.880+/-0.028 χ^2/NDF: 2039394.5/36

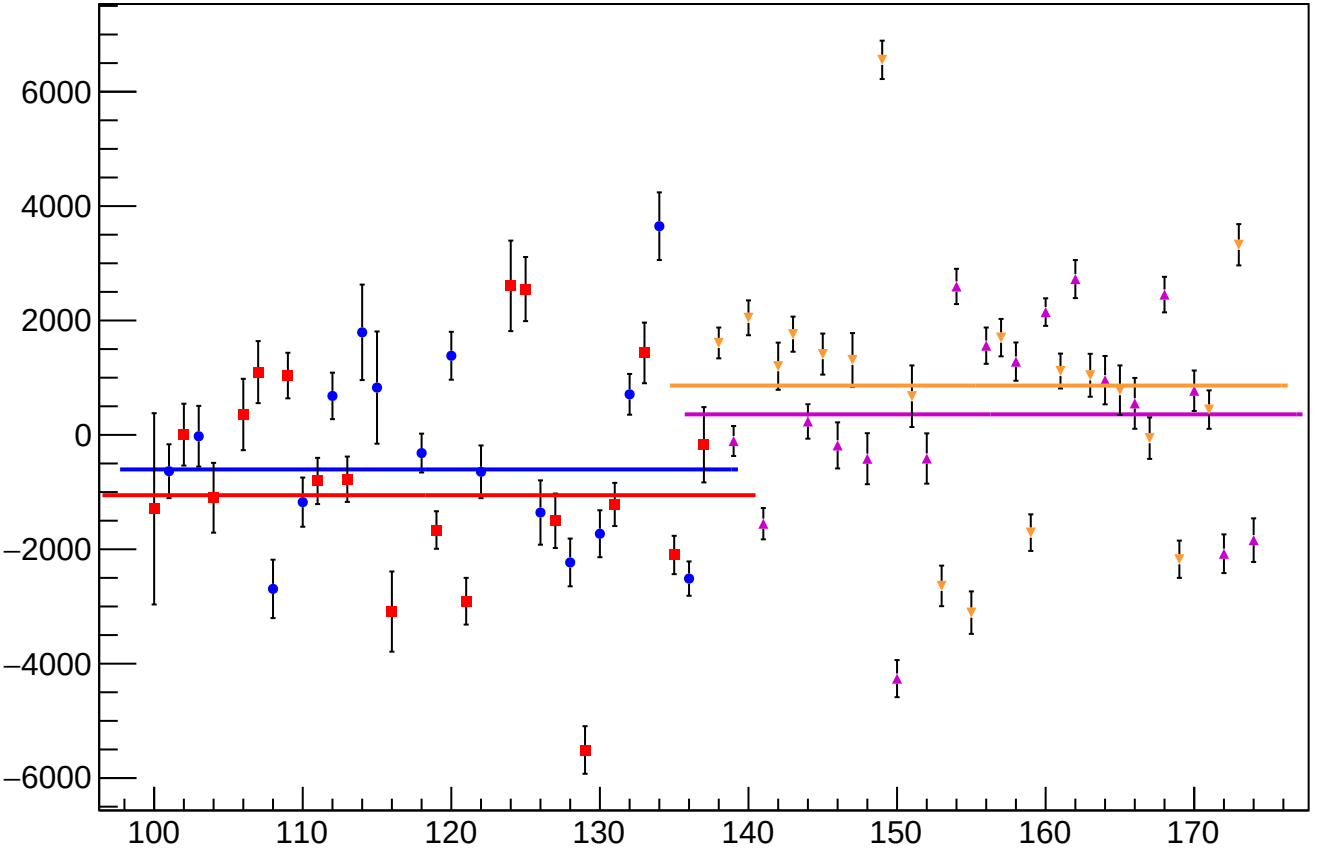
Right: 195.446+/-0.038 χ^2/NDF: 2426275.9/34

In: 201.650+/-0.032 χ^2/NDF:2066241.6/33

Out: 205.583+/-0.032 χ^2/NDF:2460769.4/37

All: 203.593+/-0.023 χ^2/NDF: 4534644.2/71

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -603.855+/-110.693 χ^2/NDF: 193.5/15

Left Out: 862.336+/-79.868 χ^2/NDF:749.0/18

Right Out: -1054.556+/-108.264 χ^2/NDF: 297.7/18

Left In: 358.897+/-77.846 χ^2/NDF:576.9/17

Left: 604.162+/-55.746 χ^2/NDF: 1346.2/36

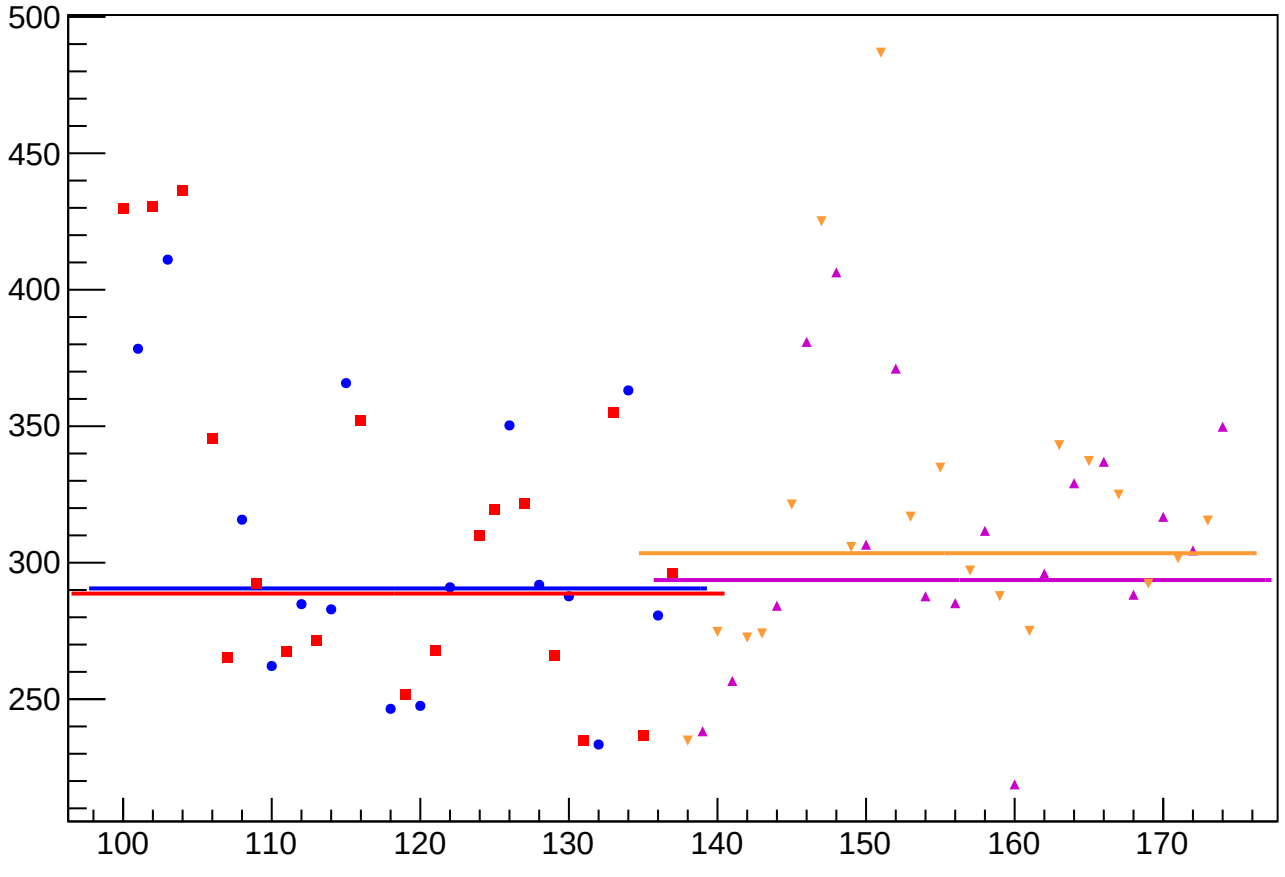
Right: -834.205+/-77.398 χ^2/NDF: 499.7/34

In: 40.310+/-63.676 χ^2/NDF:821.1/33

Out: 186.772+/-64.271 χ^2/NDF:1249.6/37

All: 112.860+/-45.235 χ^2/NDF: 2073.3/71

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 290.566+/-0.078 χ^2/NDF: 359807.1/15

Left Out: 303.471+/-0.056 χ^2/NDF:634600.9/18

Right Out: 288.686+/-0.077 χ^2/NDF: 489094.8/18

Left In: 293.640+/-0.055 χ^2/NDF:703467.0/17

Left: 298.430+/-0.039 χ^2/NDF: 1353606.1/36

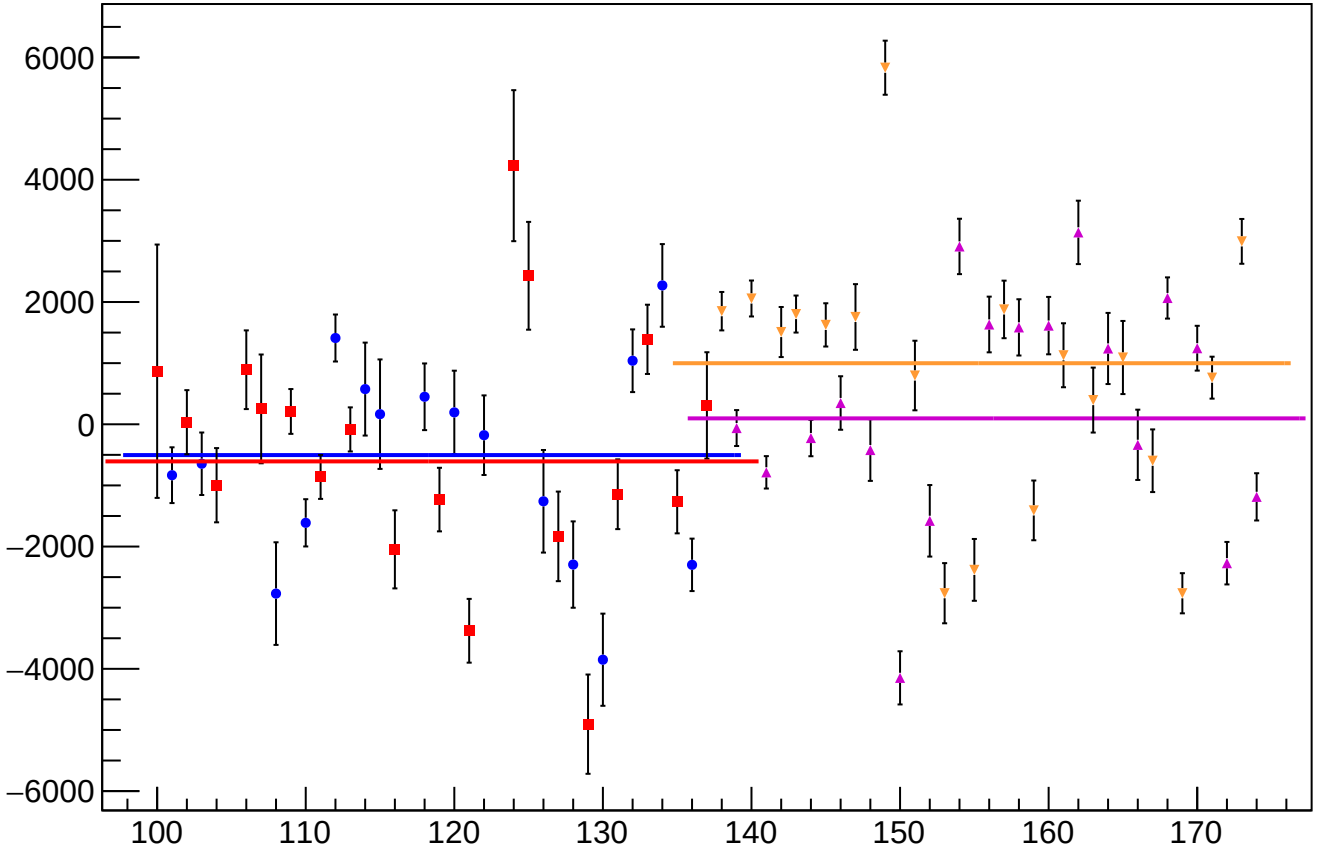
Right: 289.605+/-0.055 χ^2/NDF: 849196.8/34

In: 292.623+/-0.045 χ^2/NDF:1064306.3/33

Out: 298.260+/-0.045 χ^2/NDF:1147850.0/37

All: 295.416+/-0.032 χ^2/NDF: 2219920.7/71

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -503.675+/-140.058 χ^2/NDF: 118.2/15

Left Out: 998.872+/-93.673 χ^2/NDF:456.8/18

Right Out: -606.880+/-129.609 χ^2/NDF: 125.1/18

Left In: 96.570+/-93.531 χ^2/NDF:328.4/17

Left: 547.035+/-66.187 χ^2/NDF: 831.7/36

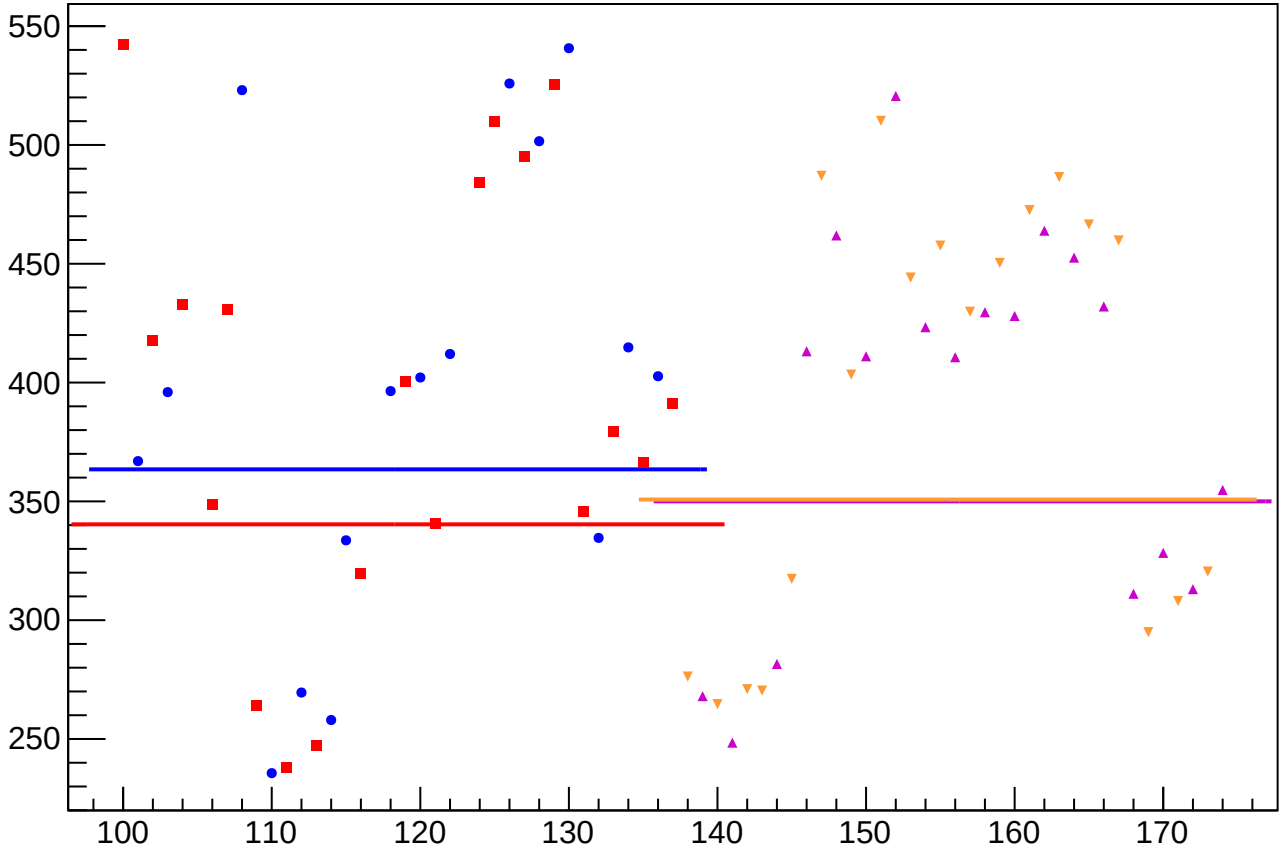
Right: -559.271+/-95.127 χ^2/NDF: 243.7/34

In: -88.557+/-77.782 χ^2/NDF:459.3/33

Out: 447.903+/-75.920 χ^2/NDF:682.8/37

All: 186.169+/-54.330 χ^2/NDF: 1166.5/71

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 363.471+/-0.099 χ^2/NDF: 780893.2/15

Left Out: 350.767+/-0.066 χ^2/NDF:1640106.9/18

Right Out: 340.332+/-0.092 χ^2/NDF: 856230.3/18

Left In: 350.005+/-0.066 χ^2/NDF:1363084.1/17

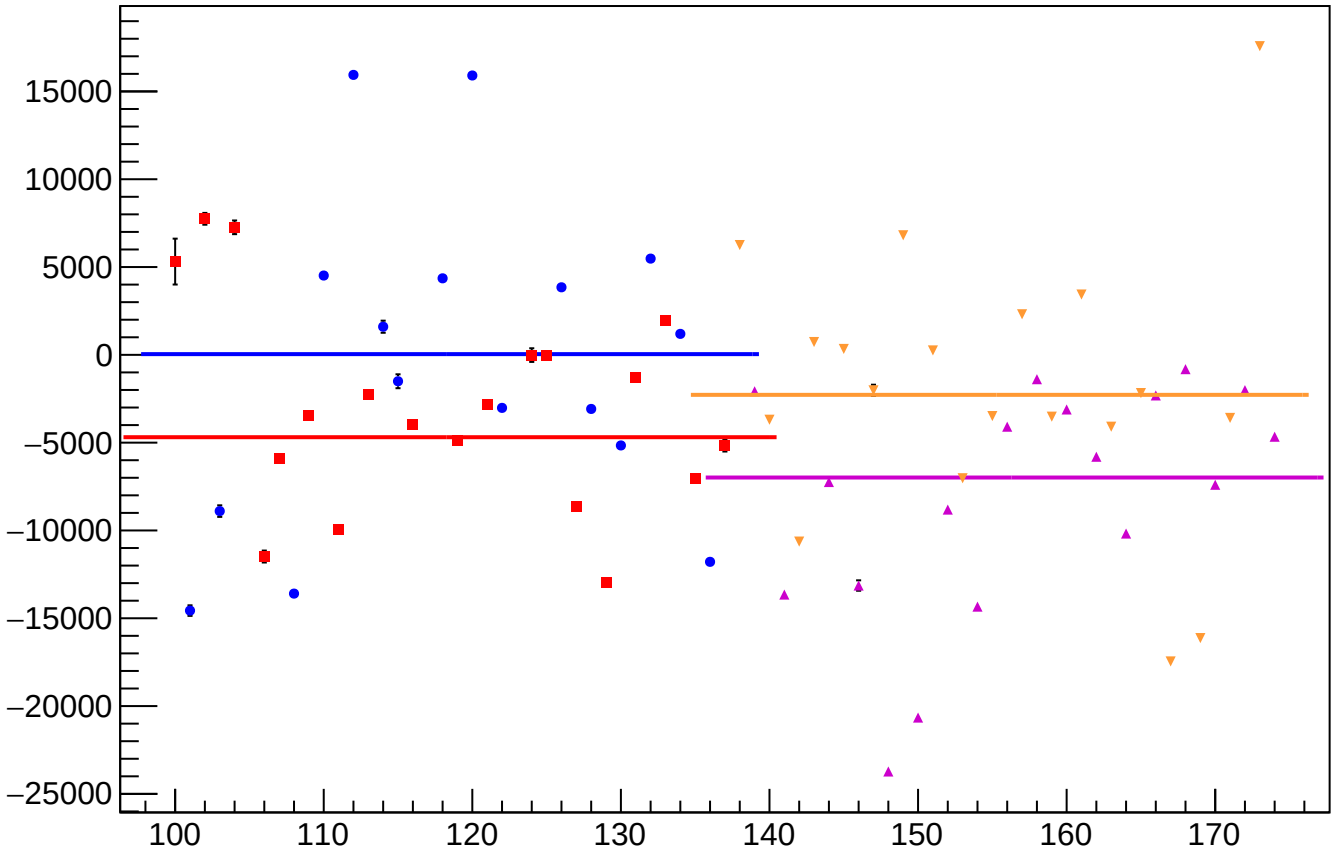
Left: 350.385+/-0.047 χ^2/NDF: 3003257.2/36

Right: 351.006+/-0.067 χ^2/NDF: 1666529.8/34

In: 354.158+/-0.055 χ^2/NDF:2156762.7/33

Out: 347.186+/-0.054 χ^2/NDF:2504852.4/37

All: 350.588+/-0.038 χ^2/NDF: 4669844.4/71



Right In: 40.915+/-54.199 χ^2/NDF: 30786.3/15

Left Out: -2277.471+/-44.364 χ^2/NDF:30489.5/18

Right Out: -4689.710+/-52.095 χ^2/NDF: 7795.7/18

Left In: -6985.642+/-45.211 χ^2/NDF:17737.5/17

Left: -4587.067+/-31.665 χ^2/NDF: 53751.9/36

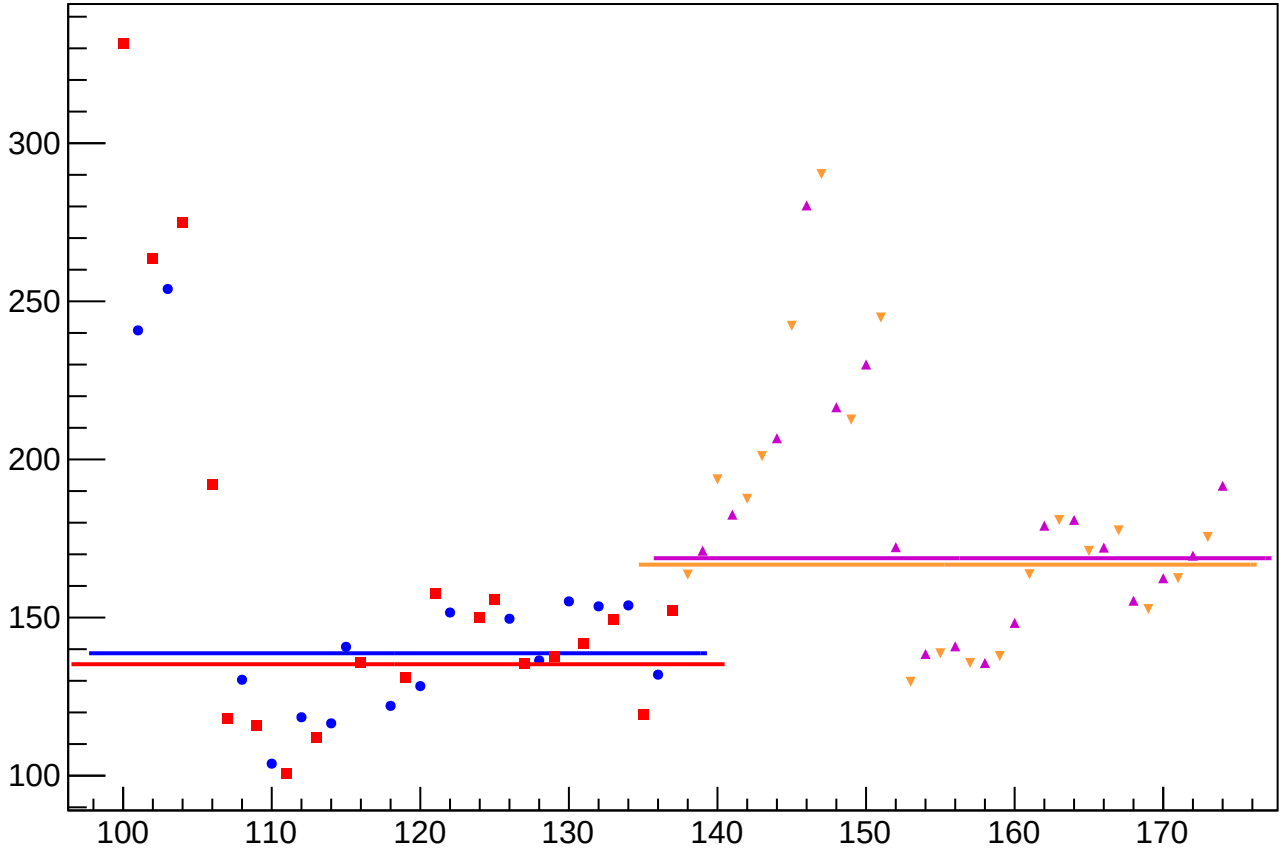
Right: -2417.983+/-37.558 χ^2/NDF: 42541.9/34

In: -4102.502+/-34.718 χ^2/NDF:58435.0/33

Out: -3291.495+/-33.776 χ^2/NDF:39528.0/37

All: -3685.853+/-24.209 χ^2/NDF: 98243.3/71

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 138.712+/-0.038 χ^2/NDF: 657791.3/15

Left Out: 166.735+/-0.031 χ^2/NDF:1162233.5/18

Right Out: 135.245+/-0.037 χ^2/NDF: 890024.8/18

Left In: 168.767+/-0.032 χ^2/NDF:885471.2/17

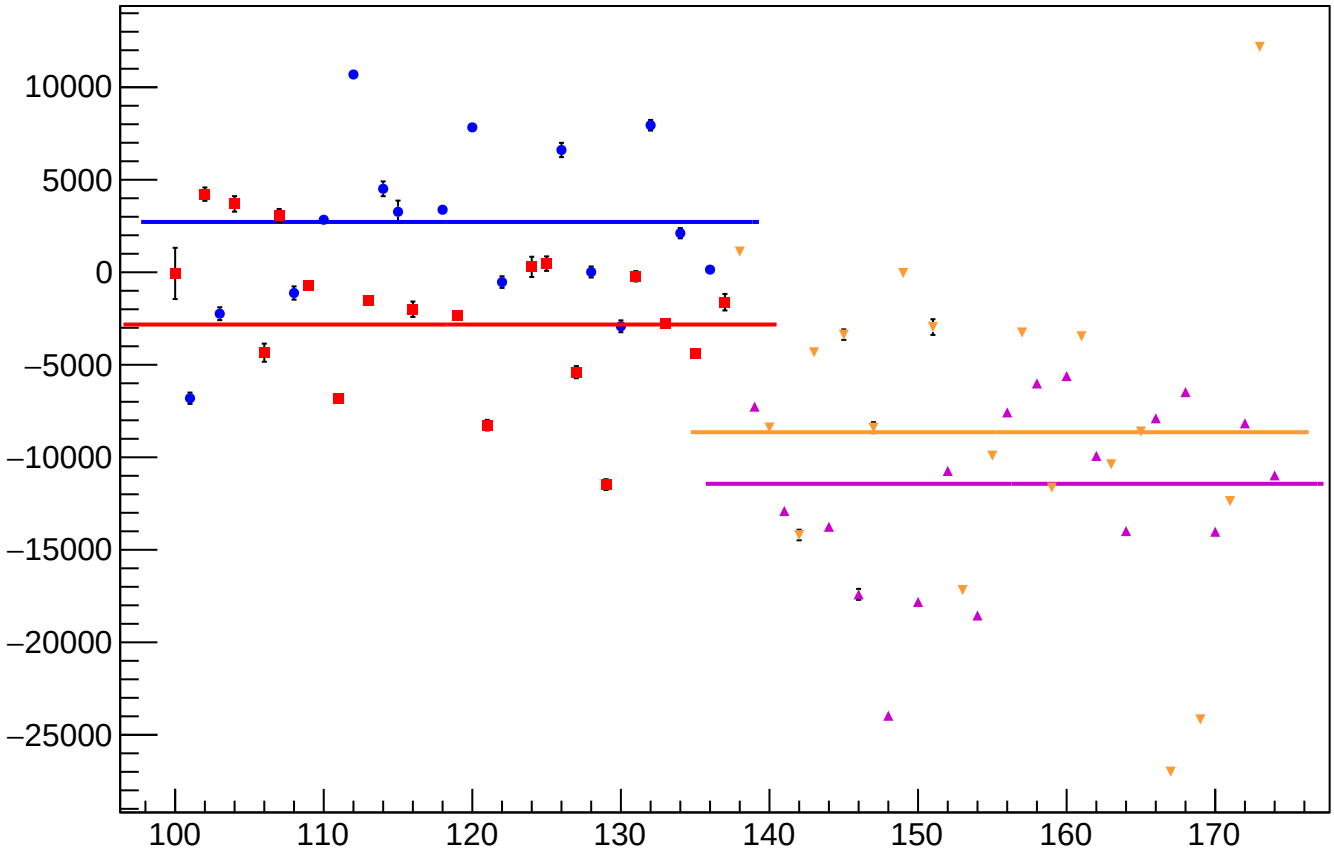
Left: 167.732+/-0.022 χ^2/NDF: 2049762.7/36

Right: 136.910+/-0.027 χ^2/NDF: 1552069.4/34

In: 156.435+/-0.025 χ^2/NDF:1905928.6/33

Out: 153.498+/-0.024 χ^2/NDF:2475841.8/37

All: 154.926+/-0.017 χ^2/NDF: 4389123.6/71



Right In: 2719.896+/-69.247 χ^2/NDF: 4129.3/15

Left Out: -8643.625+/-51.892 χ^2/NDF:30626.6/18

Right Out: -2823.679+/-64.850 χ^2/NDF: 3062.8/18

Left In: -11431.955+/-48.267 χ^2/NDF:10574.4/17

Left: -10138.588+/-35.342 χ^2/NDF: 42748.9/36

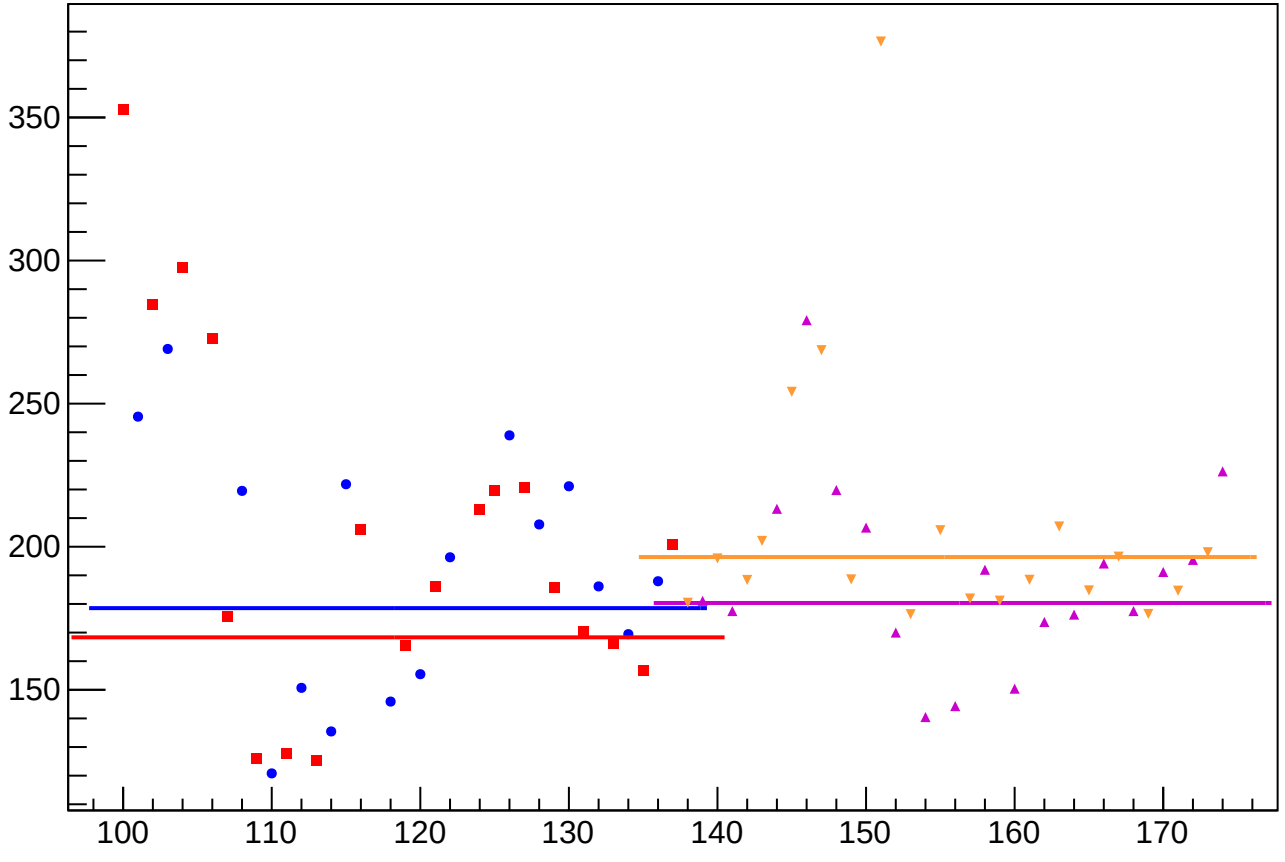
Right: -233.460+/-47.334 χ^2/NDF: 10606.3/34

In: -6804.540+/-39.597 χ^2/NDF:42813.0/33

Out: -6371.766+/-40.517 χ^2/NDF:38599.5/37

All: -6593.124+/-28.319 χ^2/NDF: 81470.9/71

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 178.541+/-0.049 χ^2/NDF: 674566.0/15

Left Out: 196.391+/-0.037 χ^2/NDF:664186.8/18

Right Out: 168.335+/-0.046 χ^2/NDF: 979485.9/18

Left In: 180.343+/-0.034 χ^2/NDF:750646.8/17

Left: 187.787+/-0.025 χ^2/NDF: 1517383.1/36

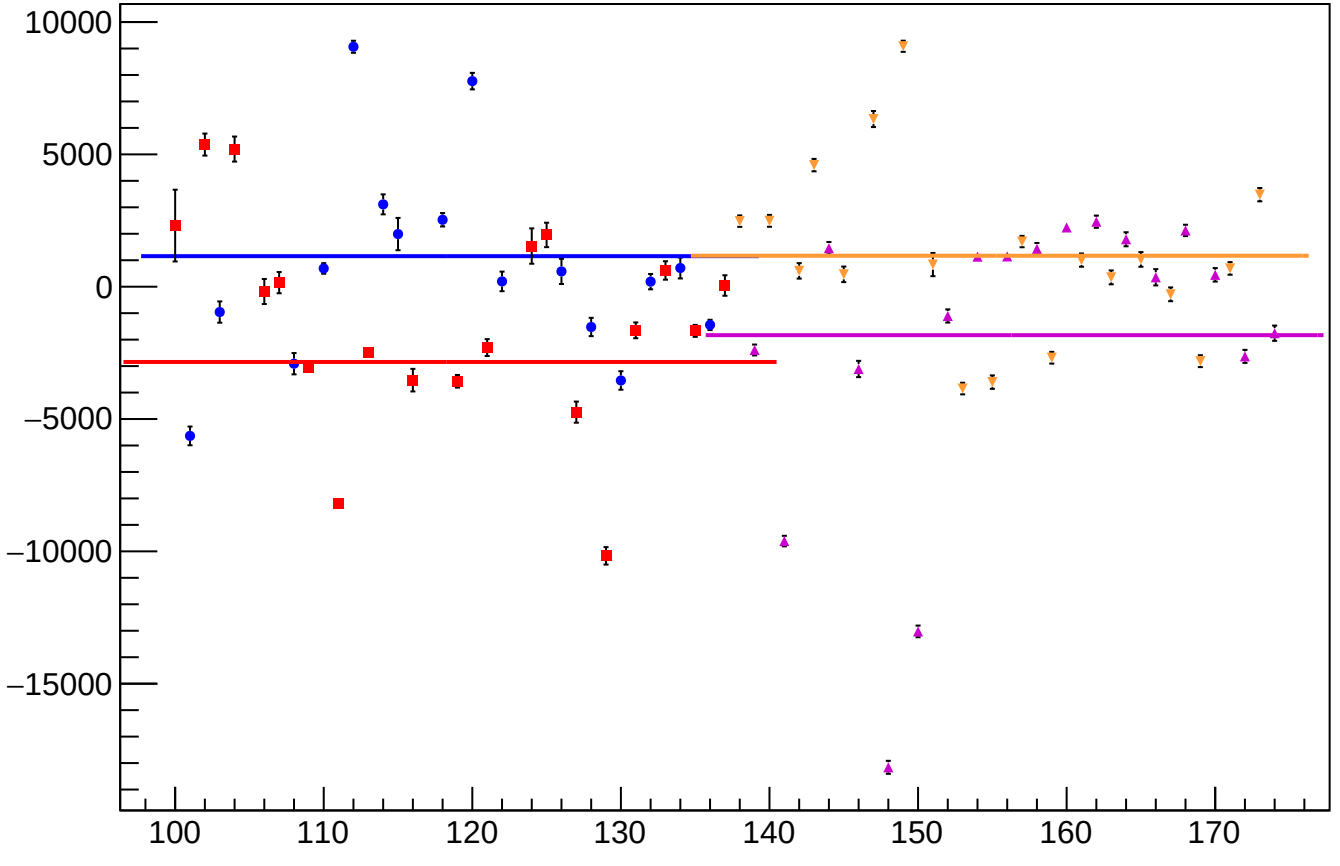
Right: 173.104+/-0.033 χ^2/NDF: 1677198.9/34

In: 179.754+/-0.028 χ^2/NDF:1426124.7/33

Out: 185.439+/-0.029 χ^2/NDF:1871889.7/37

All: 182.531+/-0.020 χ^2/NDF: 3318153.7/71

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1153.823+/-75.957 χ^2/NDF: 2655.3/15

Left Out: 1170.262+/-56.763 χ^2/NDF:3615.3/18

Right Out: -2843.895+/-69.139 χ^2/NDF: 2453.1/18

Left In: -1831.110+/-52.801 χ^2/NDF:11093.1/17

Left: -438.798+/-38.661 χ^2/NDF: 16207.3/36

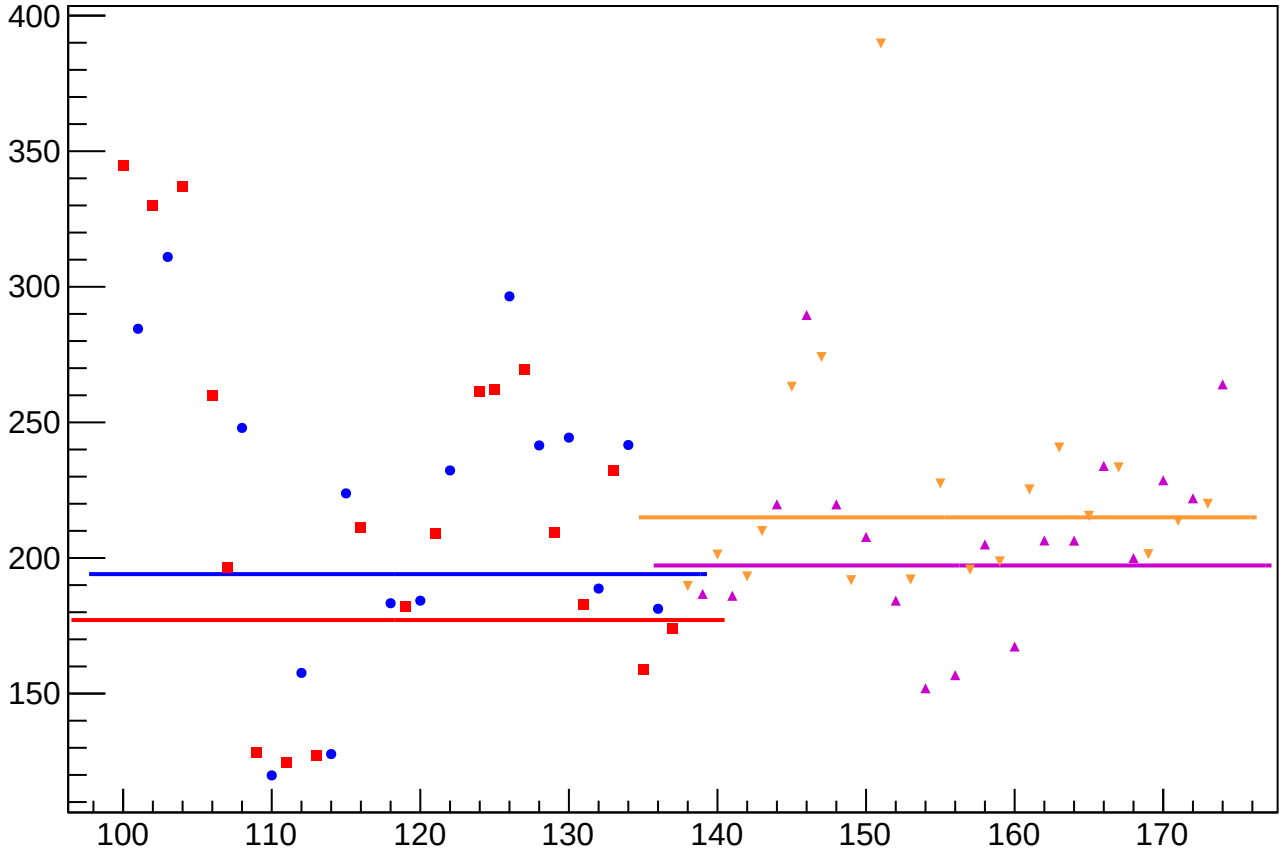
Right: -1032.468+/-51.129 χ^2/NDF: 6623.4/34

In: -858.629+/-43.355 χ^2/NDF:14789.6/33

Out: -445.992+/-43.871 χ^2/NDF:8082.0/37

All: -654.753+/-30.838 χ^2/NDF: 22916.4/71

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.053+/-0.054 χ^2/NDF: 965786.1/15

Left Out: 214.980+/-0.040 χ^2/NDF:610829.4/18

Right Out: 177.115+/-0.049 χ^2/NDF: 1359345.8/18

Left In: 197.238+/-0.037 χ^2/NDF:739507.2/17

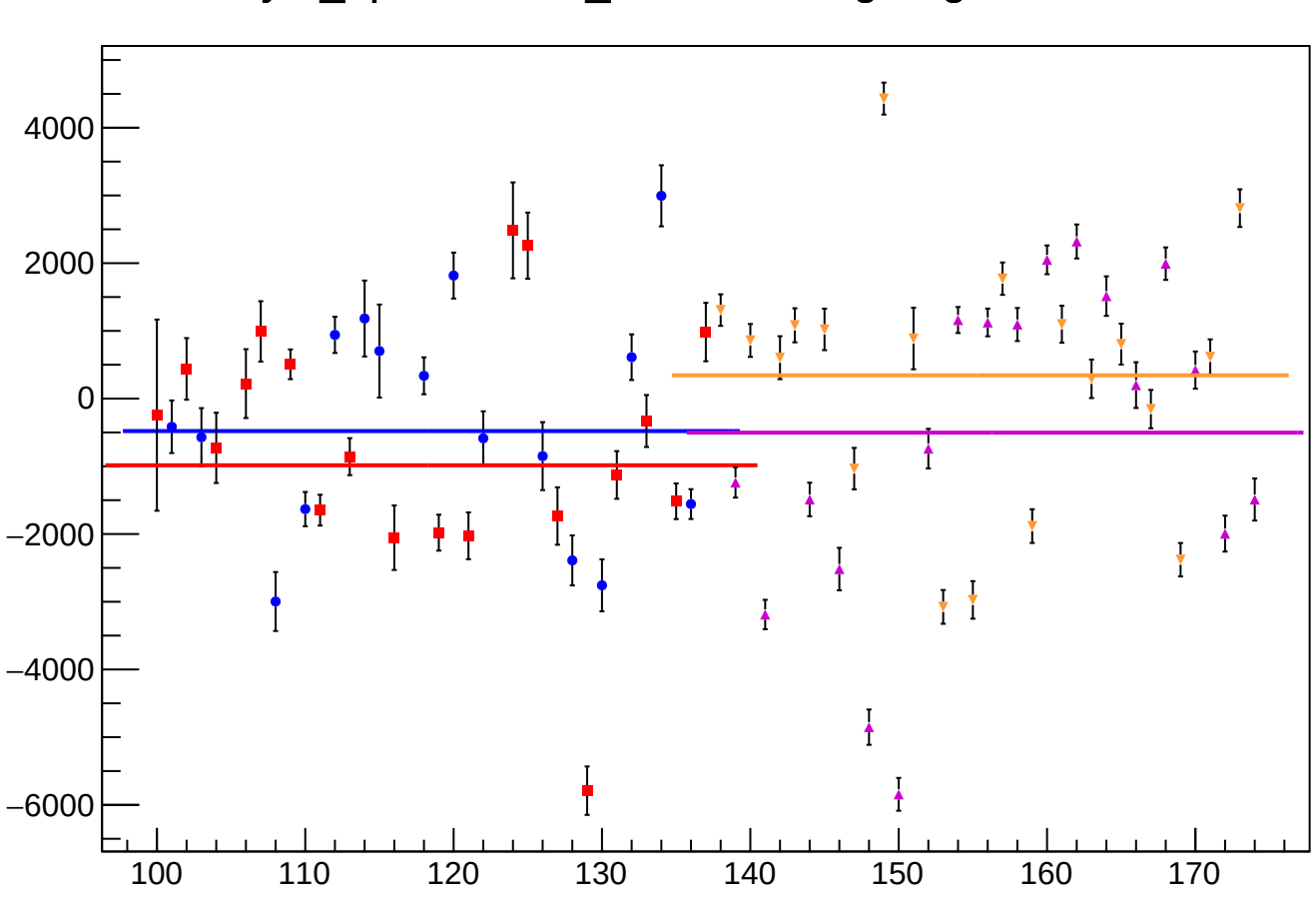
Left: 205.468+/-0.027 χ^2/NDF: 1455084.7/36

Right: 184.790+/-0.036 χ^2/NDF: 2379520.9/34

In: 196.200+/-0.031 χ^2/NDF:1707664.2/33

Out: 199.734+/-0.031 χ^2/NDF:2328508.4/37

All: 197.946+/-0.022 χ^2/NDF: 4042736.8/71



Right In: -479.302+/-86.685 χ^2/NDF: 305.4/15

Left Out: 343.490+/-61.865 χ^2/NDF:1018.4/18

Right Out: -984.498+/-80.945 χ^2/NDF: 398.1/18

Left In: -502.811+/-58.448 χ^2/NDF:1651.7/17

Left: -103.672+/-42.486 χ^2/NDF: 2769.0/36

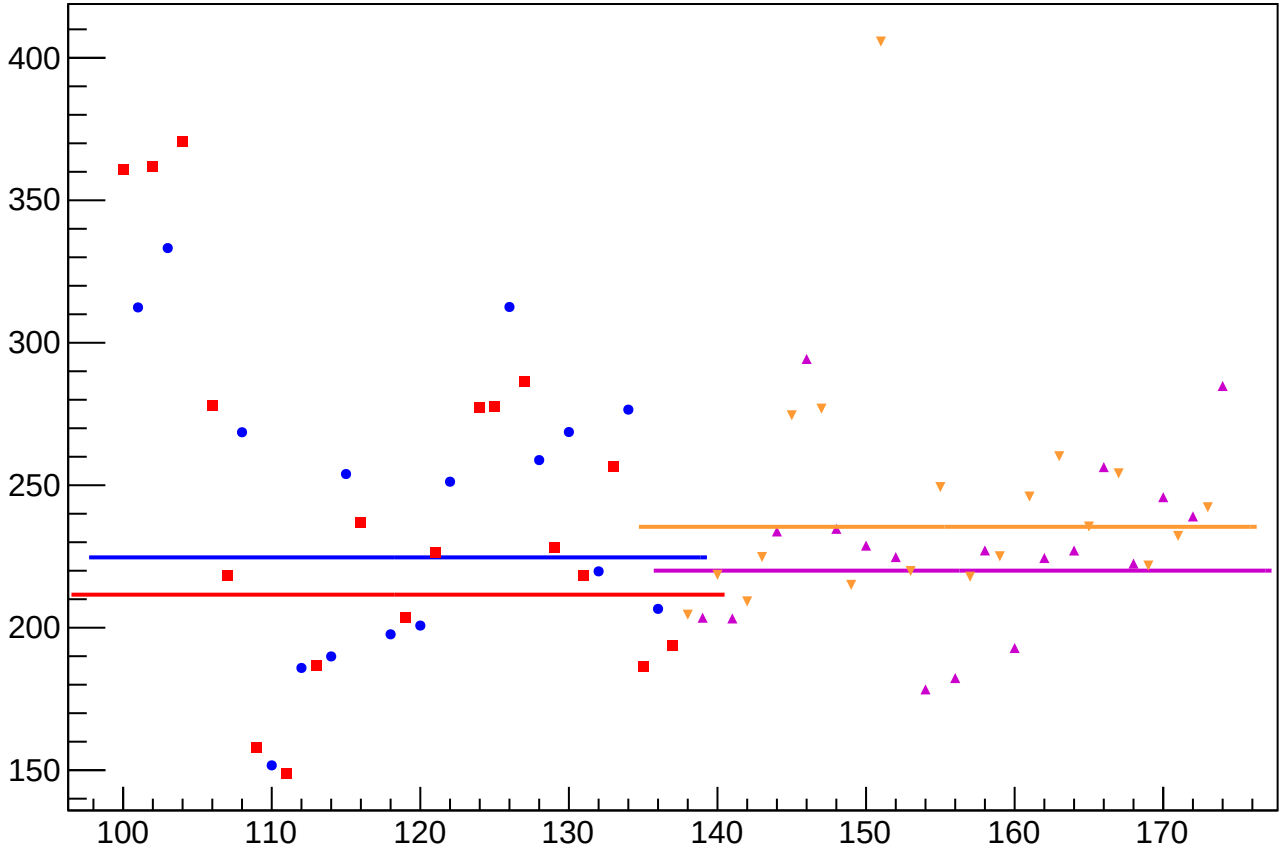
Right: -749.177+/-59.162 χ^2/NDF: 721.7/34

In: -495.463+/-48.461 χ^2/NDF:1957.2/33

Out: -146.184+/-49.153 χ^2/NDF:1586.4/37

All: -323.298+/-34.509 χ^2/NDF: 3569.3/71

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 224.683+/-0.061 χ^2/NDF: 653193.4/15

Left Out: 235.406+/-0.044 χ^2/NDF:489175.1/18

Right Out: 211.595+/-0.057 χ^2/NDF: 932902.5/18

Left In: 220.031+/-0.041 χ^2/NDF:486916.4/17

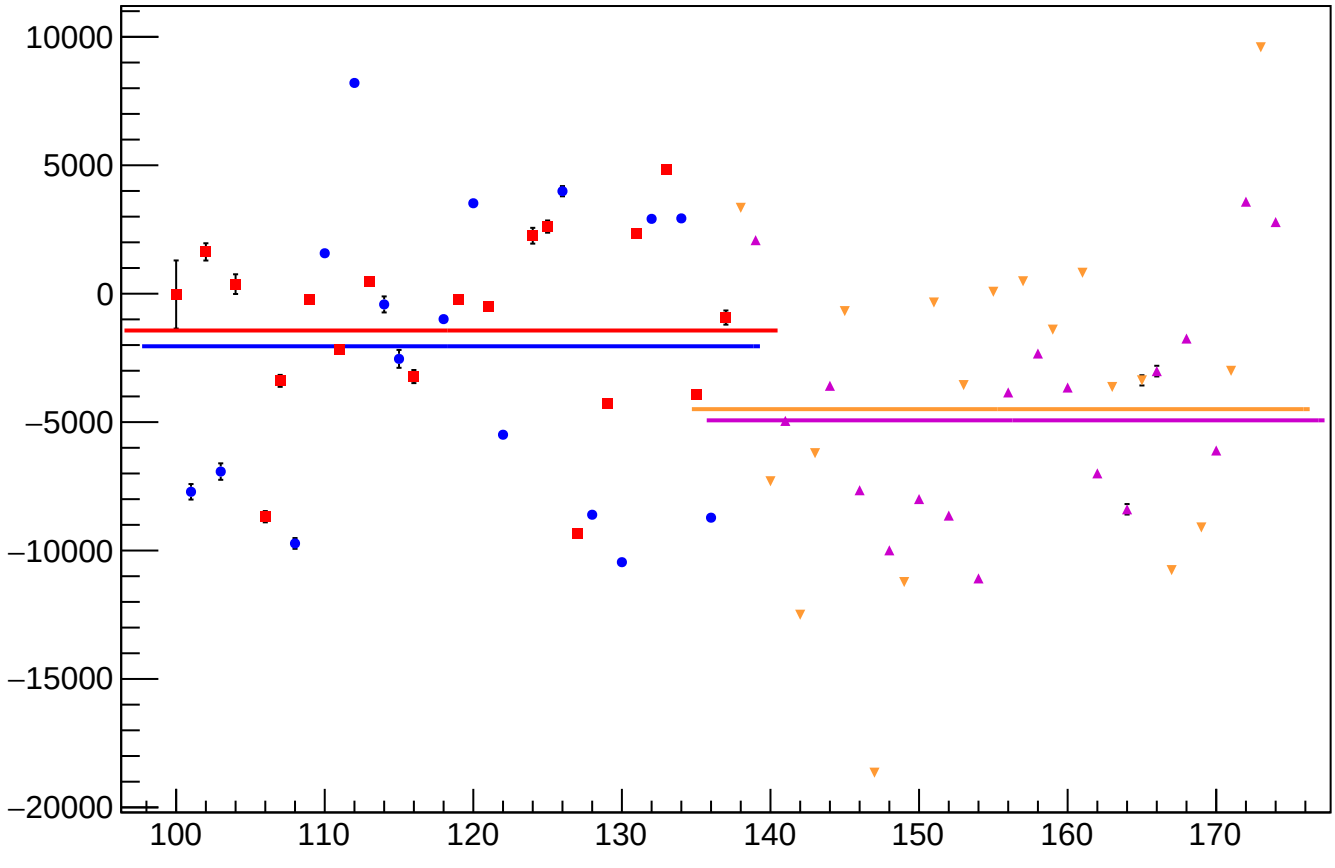
Left: 227.282+/-0.030 χ^2/NDF: 1041359.5/36

Right: 217.691+/-0.042 χ^2/NDF: 1610450.2/34

In: 221.485+/-0.034 χ^2/NDF:1144069.3/33

Out: 226.626+/-0.035 χ^2/NDF:1531322.3/37

All: 224.019+/-0.024 χ^2/NDF: 2686486.3/71



Right In: -2047.267+/-46.722 χ^2/NDF: 16709.1/15

Left Out: -4495.353+/-32.740 χ^2/NDF:37947.0/18

Right Out: -1432.909+/-44.729 χ^2/NDF: 6387.8/18

Left In: -4930.863+/-33.492 χ^2/NDF:14639.5/17

Left: -4708.162+/-23.412 χ^2/NDF: 52673.0/36

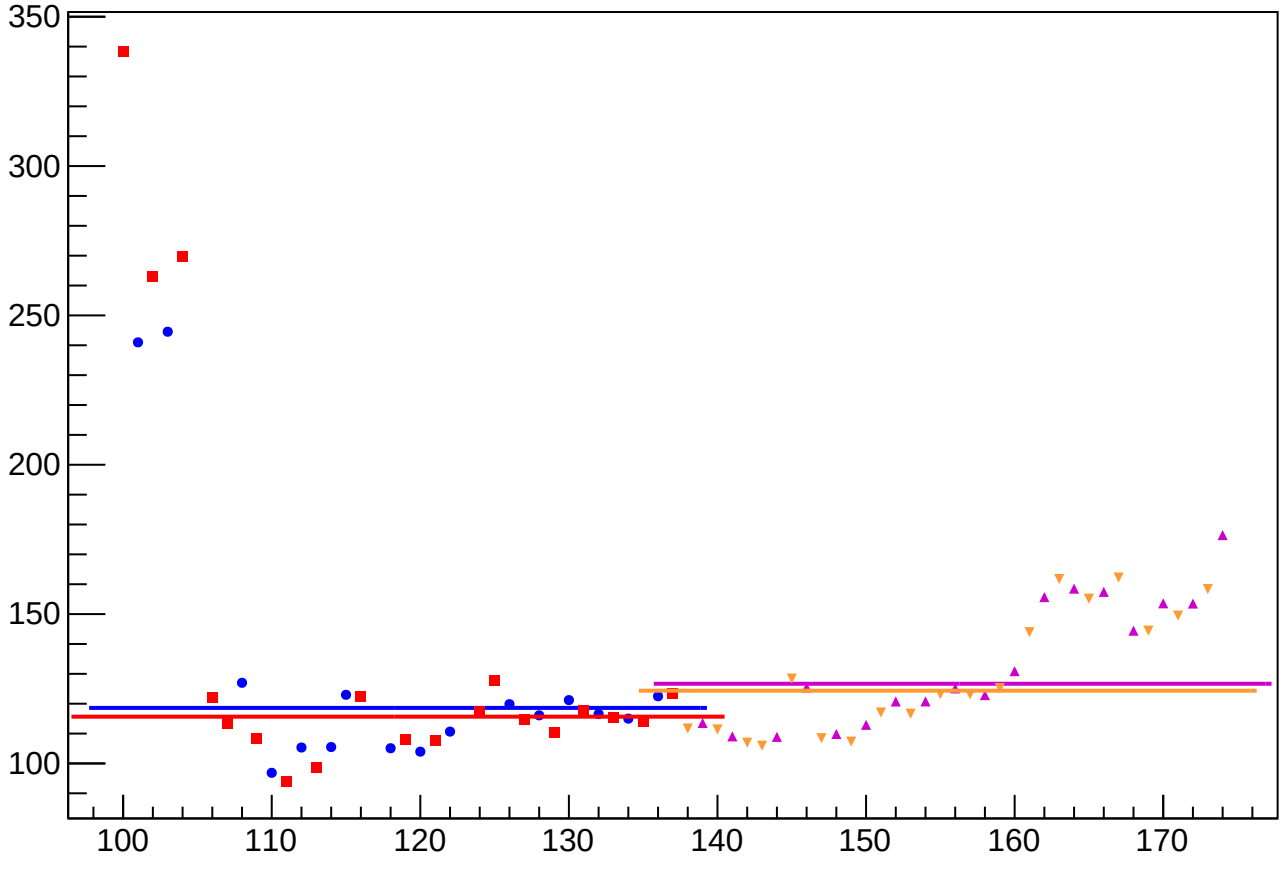
Right: -1726.707+/-32.310 χ^2/NDF: 23187.1/34

In: -3952.053+/-27.221 χ^2/NDF:33864.8/33

Out: -3426.985+/-26.419 χ^2/NDF:47387.1/37

All: -3681.671+/-18.958 χ^2/NDF: 81443.6/71

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 118.596+/-0.033 χ^2/NDF: 734158.7/15

Left Out: 124.360+/-0.023 χ^2/NDF:604298.2/18

Right Out: 115.660+/-0.032 χ^2/NDF: 864206.3/18

Left In: 126.681+/-0.024 χ^2/NDF:595082.8/17

Left: 125.494+/-0.017 χ^2/NDF: 1204293.6/36

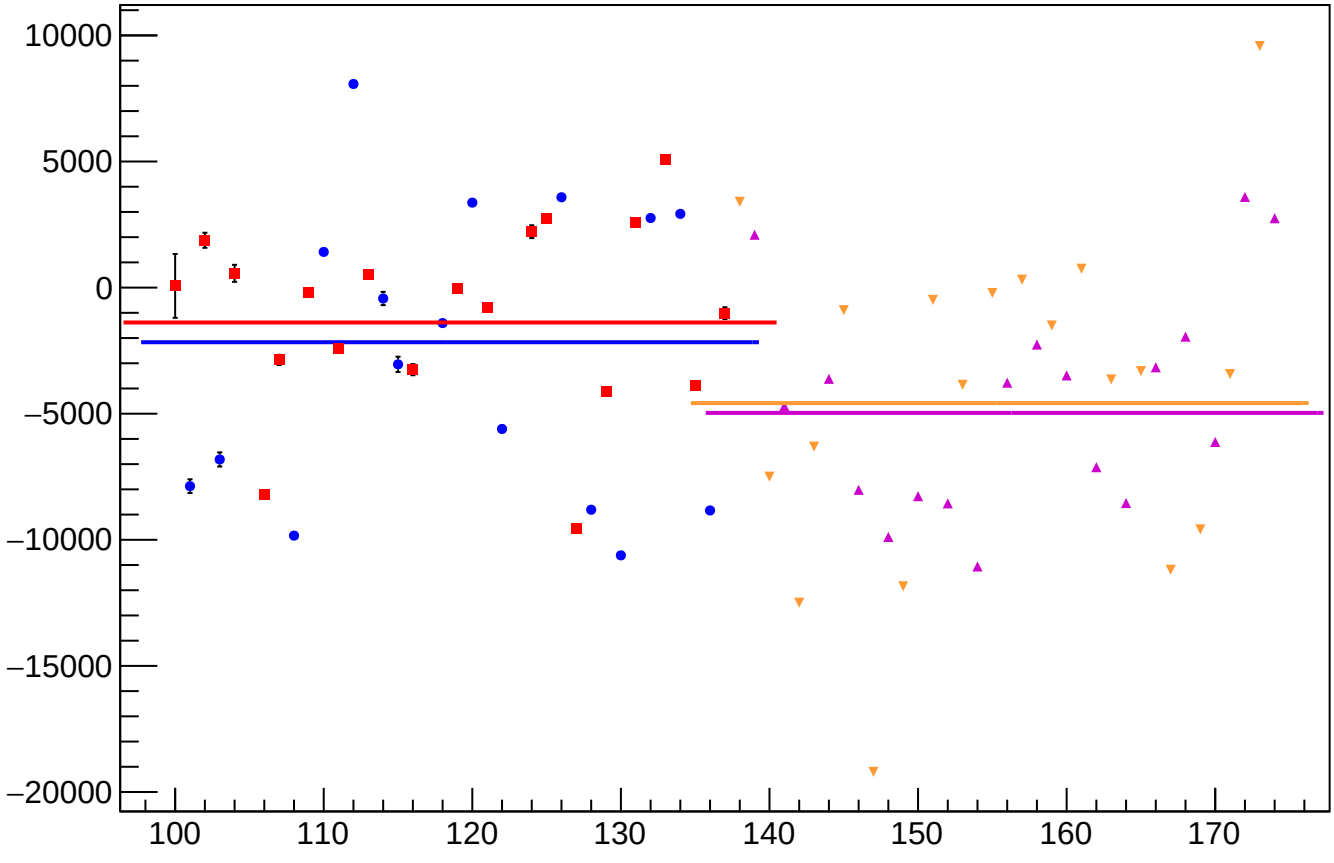
Right: 117.064+/-0.023 χ^2/NDF: 1602486.6/34

In: 123.937+/-0.019 χ^2/NDF:1368805.9/33

Out: 121.325+/-0.019 χ^2/NDF:1517776.4/37

All: 122.592+/-0.013 χ^2/NDF: 2896064.8/71

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: -2165.877+/-39.632 χ^2/NDF: 22874.8/15

Left Out: -4579.548+/-29.561 χ^2/NDF:45832.6/18

Right Out: -1383.103+/-37.976 χ^2/NDF: 9148.6/18

Left In: -4967.624+/-30.562 χ^2/NDF:17496.6/17

Left: -4767.130+/-21.248 χ^2/NDF: 63412.5/36

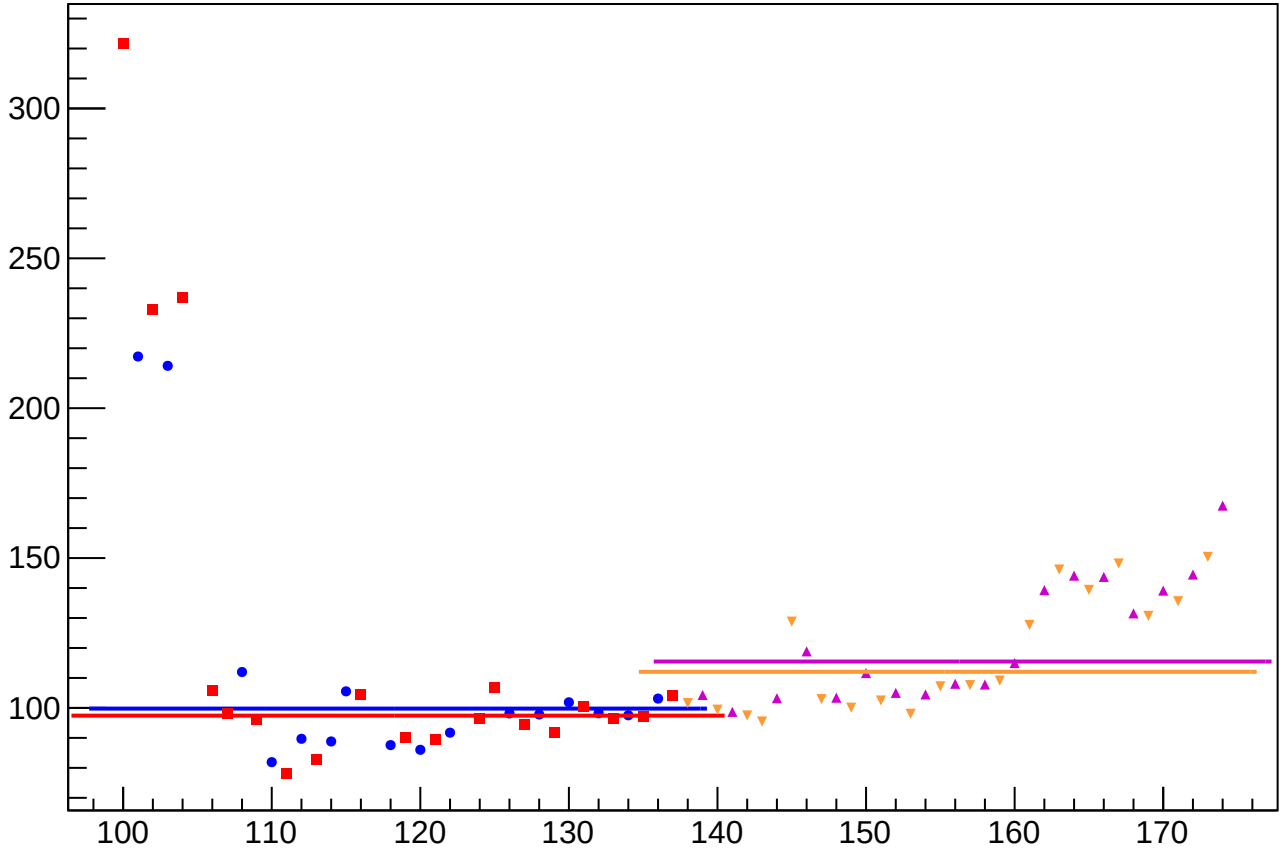
Right: -1757.793+/-27.420 χ^2/NDF: 32226.8/34

In: -3922.845+/-24.202 χ^2/NDF:43505.5/33

Out: -3373.499+/-23.327 χ^2/NDF:59392.8/37

All: -3638.065+/-16.795 χ^2/NDF: 103165.3/7

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 99.775+/-0.028 χ^2/NDF: 809152.9/15

Left Out: 112.048+/-0.021 χ^2/NDF:662603.5/18

Right Out: 97.428+/-0.027 χ^2/NDF: 926047.7/18

Left In: 115.475+/-0.022 χ^2/NDF:607321.4/17

Left: 113.705+/-0.015 χ^2/NDF: 1282916.5/36

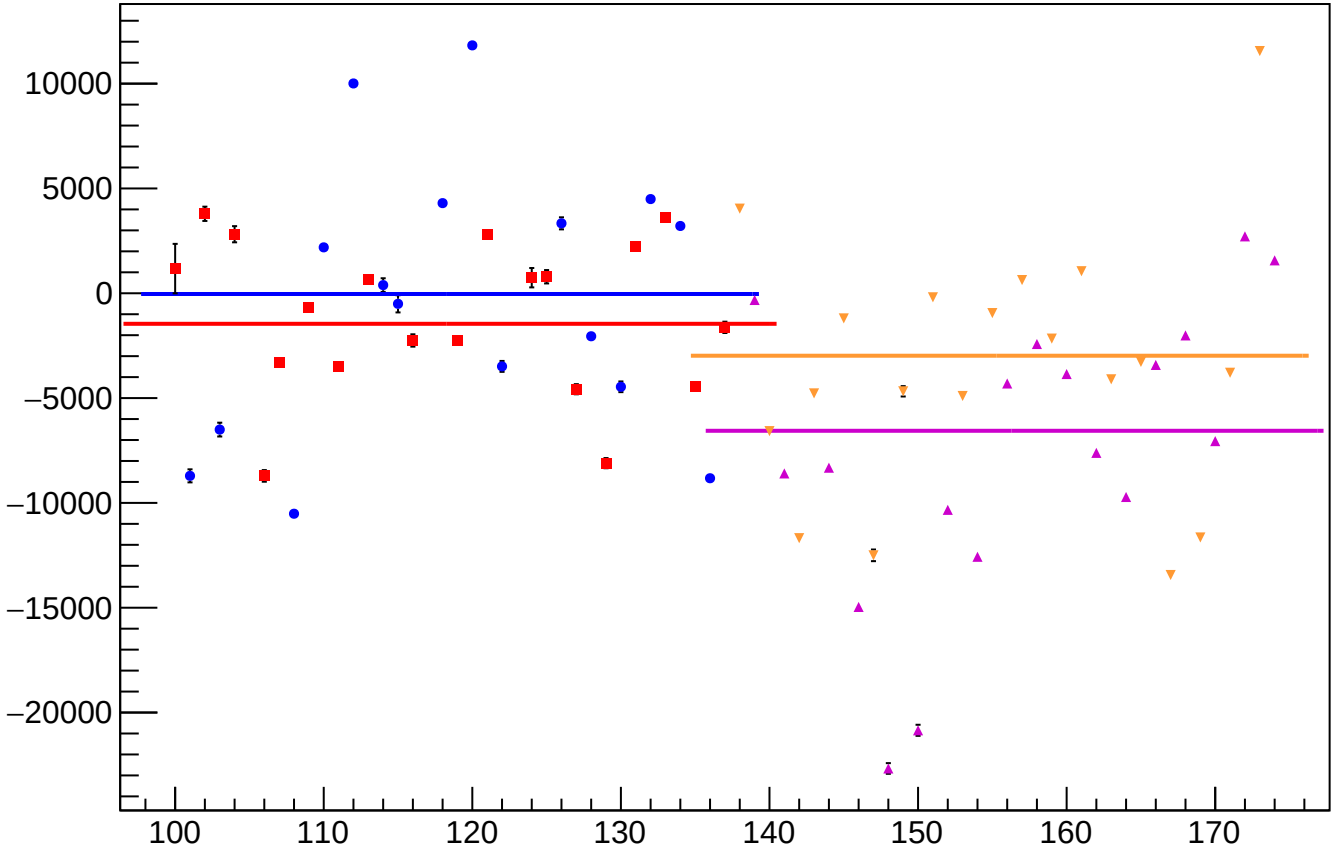
Right: 98.551+/-0.019 χ^2/NDF: 1738857.3/34

In: 109.620+/-0.017 χ^2/NDF:1613317.4/33

Out: 106.532+/-0.016 χ^2/NDF:1773256.4/37

All: 108.019+/-0.012 χ^2/NDF: 3403460.2/71

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: -34.667+/-53.465 χ^2/NDF: 16802.8/15

Left Out: -2979.030+/-41.260 χ^2/NDF:17100.7/18

Right Out: -1456.665+/-51.946 χ^2/NDF: 4117.0/18

Left In: -6559.807+/-42.806 χ^2/NDF:18381.1/17

Left: -4703.582+/-29.707 χ^2/NDF: 39109.1/36

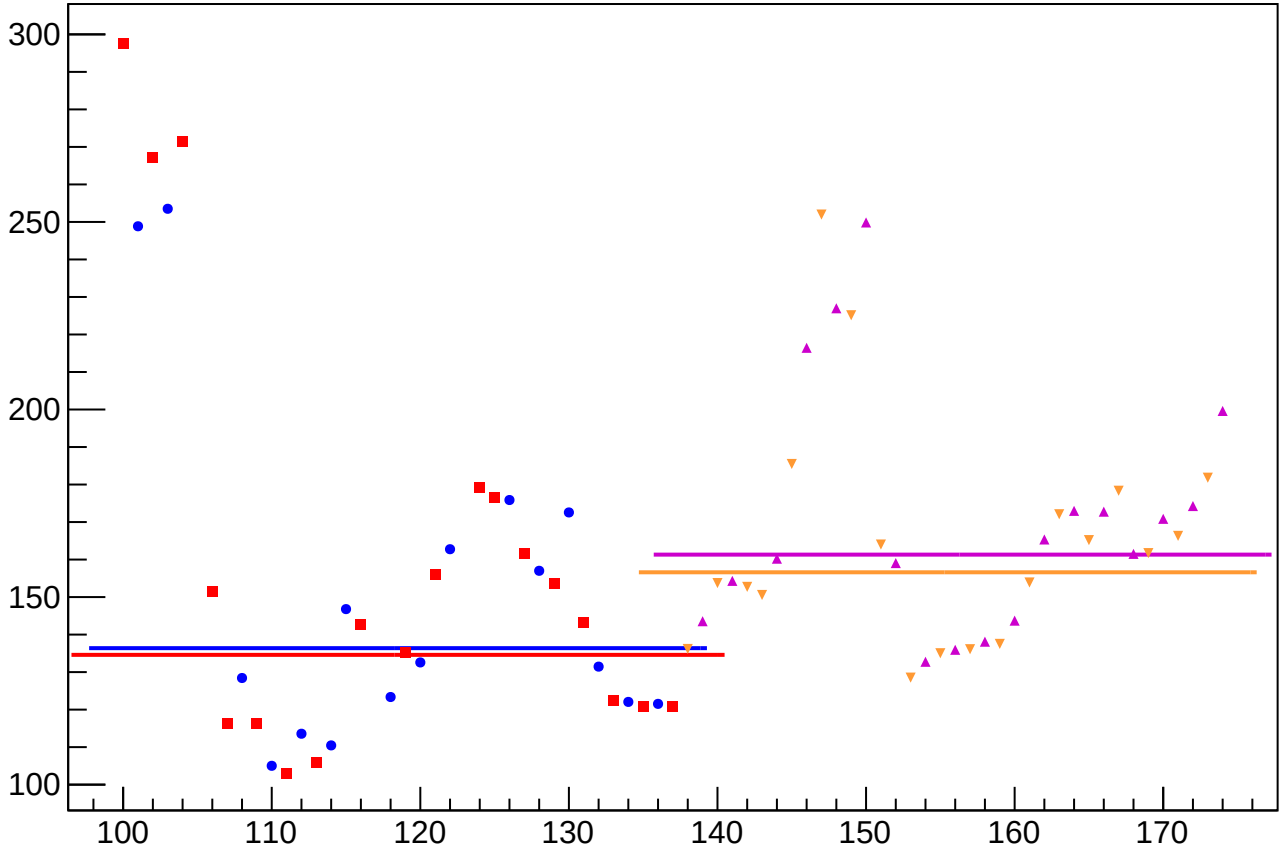
Right: -766.160+/-37.257 χ^2/NDF: 21283.7/34

In: -4010.927+/-33.416 χ^2/NDF:44260.4/33

Out: -2390.113+/-32.309 χ^2/NDF:21744.4/37

All: -3173.223+/-23.227 χ^2/NDF: 67220.8/71

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 136.383+/-0.038 χ^2/NDF: 796855.7/15

Left Out: 156.606+/-0.029 χ^2/NDF:737109.5/18

Right Out: 134.598+/-0.037 χ^2/NDF: 919605.2/18

Left In: 161.316+/-0.030 χ^2/NDF:799623.3/17

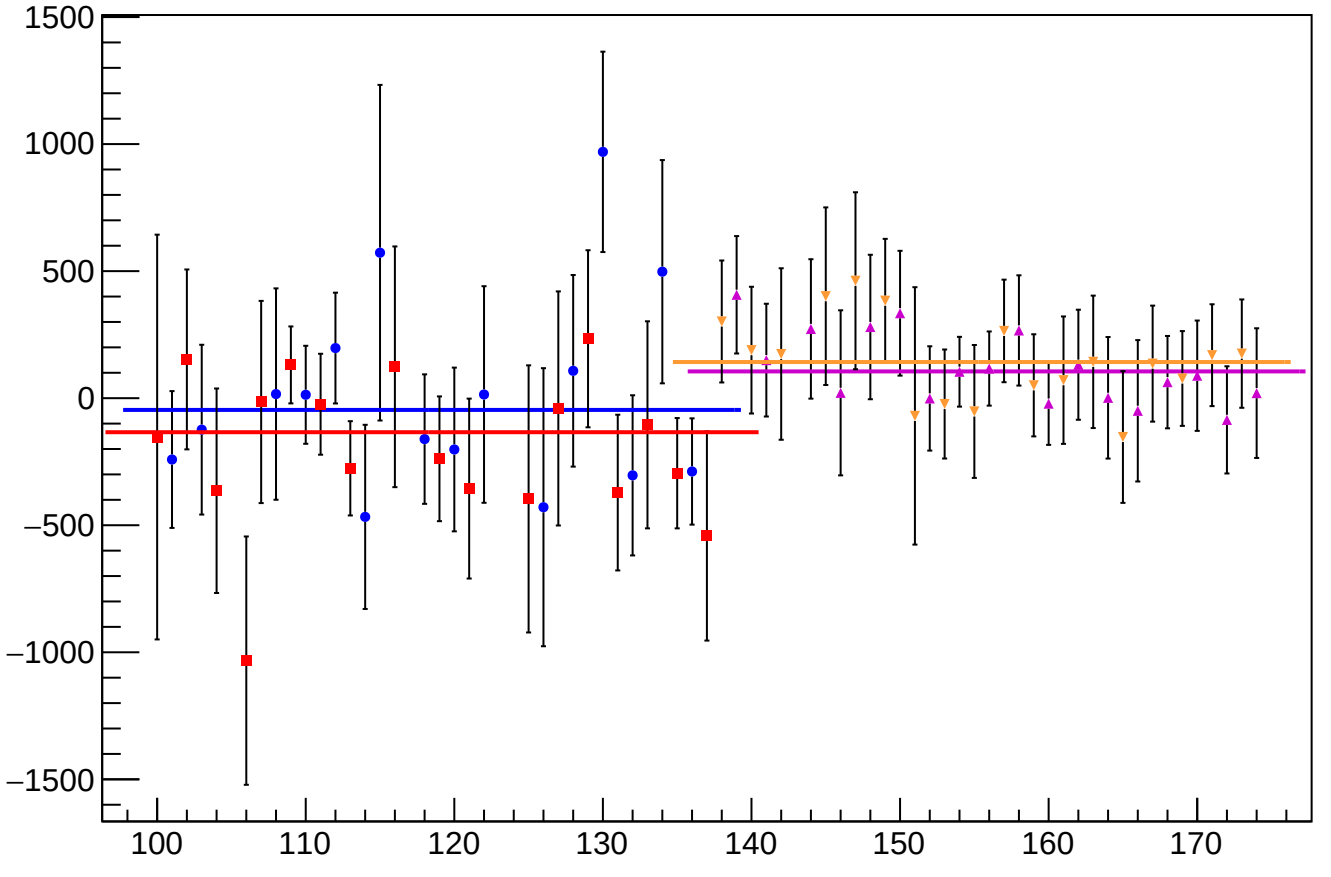
Left: 158.875+/-0.021 χ^2/NDF: 1549283.6/36

Right: 135.465+/-0.026 χ^2/NDF: 1717607.6/34

In: 151.577+/-0.024 χ^2/NDF:1861517.6/33

Out: 148.093+/-0.023 χ^2/NDF:1876832.5/37

All: 149.776+/-0.016 χ^2/NDF: 3749587.3/71



Right In: -46.199+/-76.283 χ^2/NDF: 15.5/15

Left Out: 142.312+/-57.218 χ^2/NDF:6.3/17

Right Out: -133.913+/-68.414 χ^2/NDF: 12.8/17

Left In: 105.331+/-49.106 χ^2/NDF:6.4/17

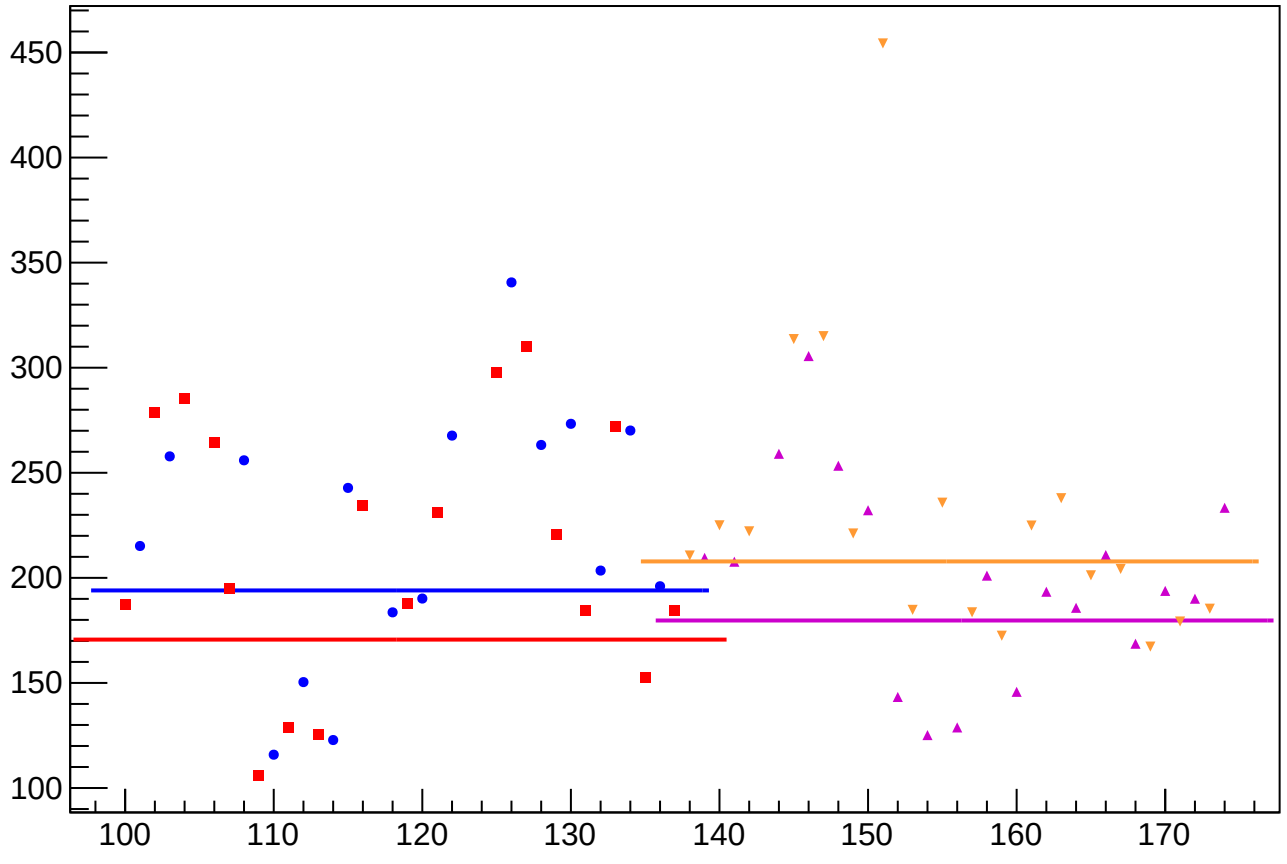
Left: 121.017+/-37.264 χ^2/NDF: 12.9/35

Right: -94.812+/-50.931 χ^2/NDF: 29.0/33

In: 60.935+/-41.291 χ^2/NDF:24.6/33

Out: 28.622+/-43.891 χ^2/NDF:28.7/35

All: 45.764+/-30.074 χ^2/NDF: 53.6/69



Right In: 194.017+/-0.054 χ^2/NDF: 1043588.7/15

Left Out: 207.822+/-0.040 χ^2/NDF:1197580.4/17

Right Out: 170.624+/-0.048 χ^2/NDF: 1593735.4/17

Left In: 179.713+/-0.035 χ^2/NDF:1629335.0/17

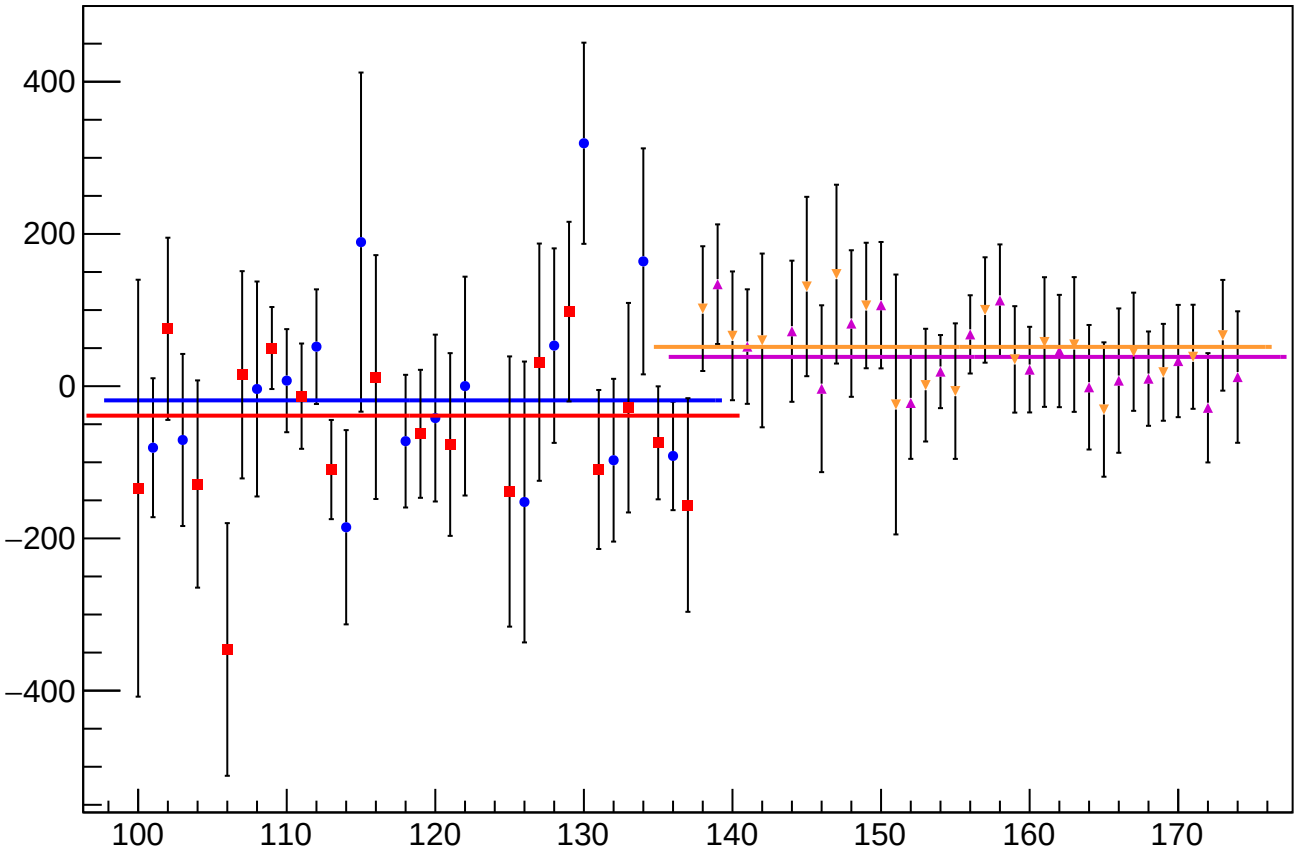
Left: 191.636+/-0.026 χ^2/NDF: 3104848.4/35

Right: 181.052+/-0.036 χ^2/NDF: 2741566.5/33

In: 183.904+/-0.029 χ^2/NDF:2722638.1/33

Out: 192.511+/-0.031 χ^2/NDF:3139226.5/35

All: 187.945+/-0.021 χ^2/NDF: 5902668.2/69



Right In: -18.645+/-26.122 χ^2/NDF: 15.2/15

Left Out: 51.616+/-19.528 χ^2/NDF:4.8/17

Right Out: -38.716+/-23.652 χ^2/NDF: 12.6/17

Left In: 38.471+/-16.889 χ^2/NDF:6.5/17

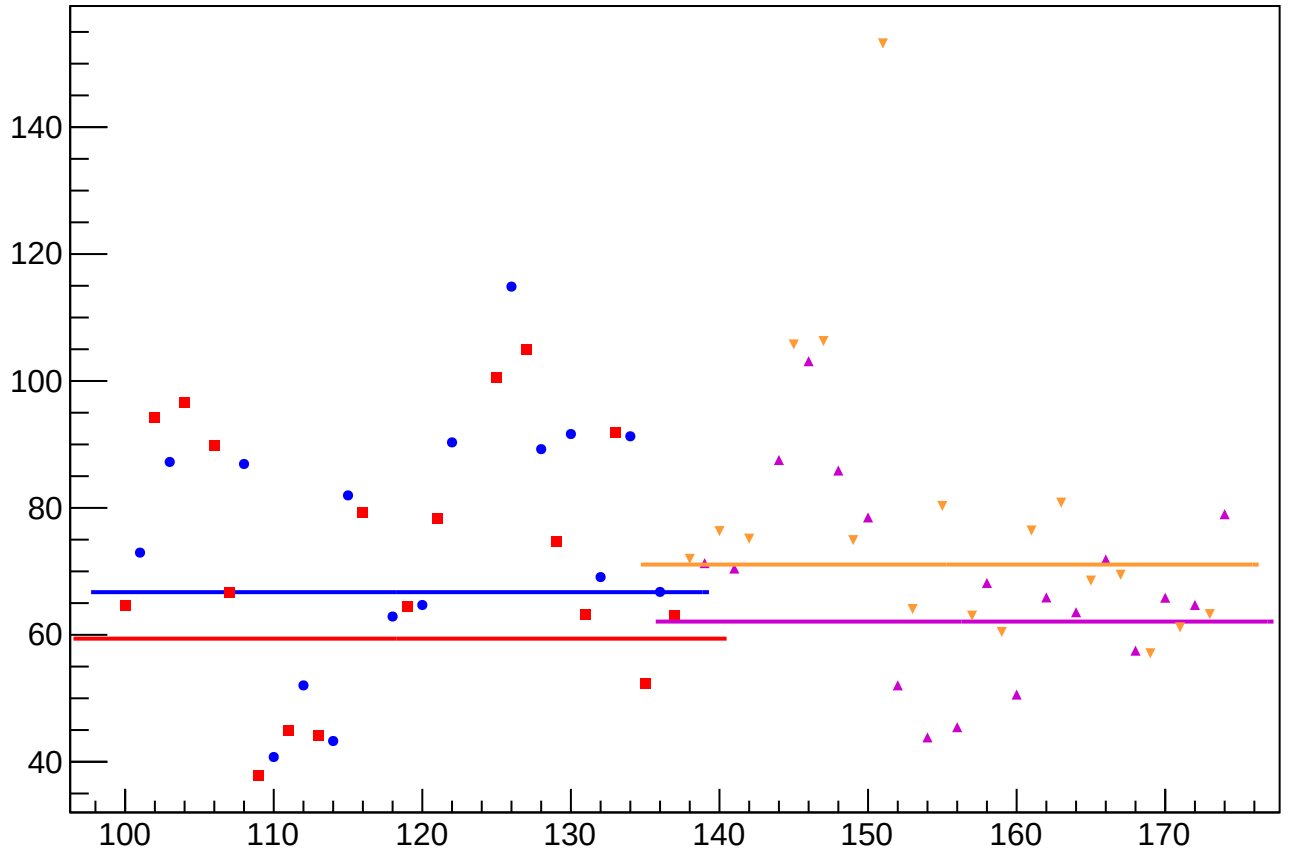
Left: 44.097+/-12.774 χ^2/NDF: 11.6/35

Right: -29.674+/-17.533 χ^2/NDF: 28.2/33

In: 21.634+/-14.183 χ^2/NDF:25.1/33

Out: 15.000+/-15.058 χ^2/NDF:26.1/35

All: 18.515+/-10.325 χ^2/NDF: 51.3/69



Right In: 66.724+/-0.018 χ^2/NDF: 947040.2/15

Left Out: 71.073+/-0.014 χ^2/NDF:1139328.9/17

Right Out: 59.400+/-0.017 χ^2/NDF: 1445371.1/17

Left In: 62.089+/-0.012 χ^2/NDF:1439365.8/17

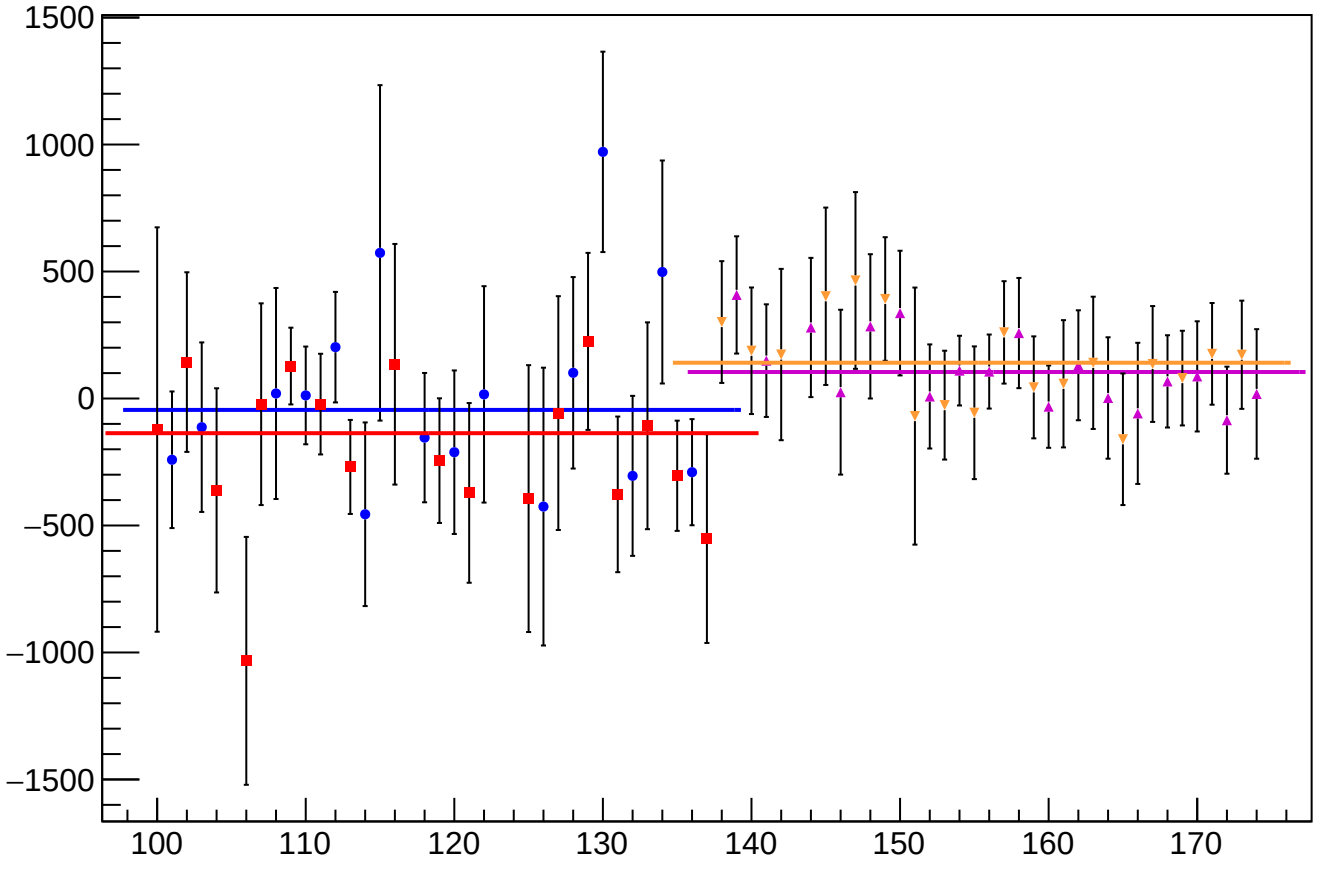
Left: 65.934+/-0.009 χ^2/NDF: 2820856.2/35

Right: 62.700+/-0.012 χ^2/NDF: 2478799.5/33

In: 63.456+/-0.010 χ^2/NDF:2430807.2/33

Out: 66.342+/-0.011 χ^2/NDF:2874374.6/35

All: 64.812+/-0.007 χ^2/NDF: 5344109.5/69



Right In: -44.917+/-76.198 χ^2/NDF: 15.5/15

Left Out: 140.819+/-57.171 χ^2/NDF:6.5/17

Right Out: -136.579+/-68.322 χ^2/NDF: 12.9/17

Left In: 104.327+/-49.065 χ^2/NDF:6.5/17

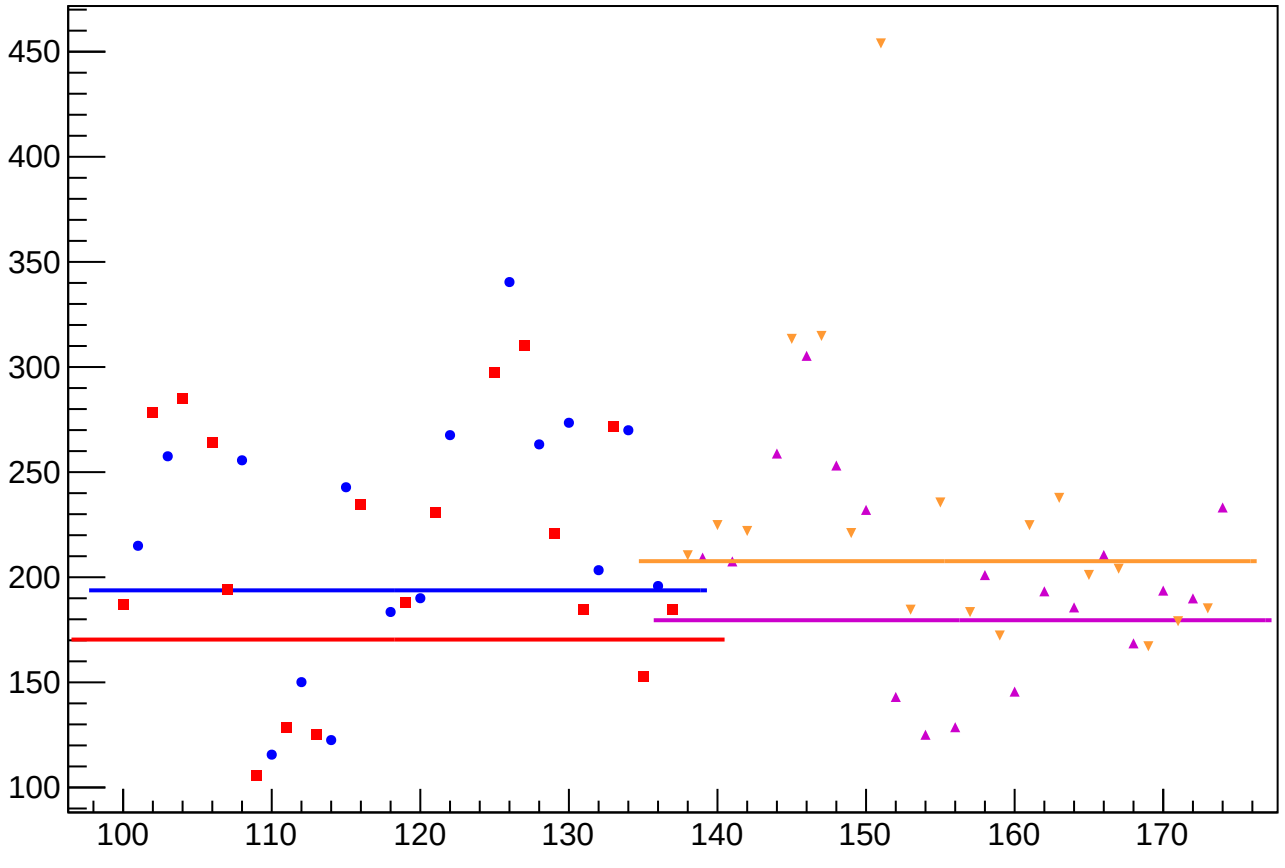
Left: 119.805+/-37.233 χ^2/NDF: 13.2/35

Right: -95.728+/-50.868 χ^2/NDF: 29.1/33

In: 60.584+/-41.252 χ^2/NDF:24.7/33

Out: 26.578+/-43.845 χ^2/NDF:29.1/35

All: 44.616+/-30.045 χ^2/NDF: 54.1/69



Right In: 193.768+/-0.054 χ^2/NDF: 1048095.1/15

Left Out: 207.647+/-0.040 χ^2/NDF:1198178.5/17

Right Out: 170.358+/-0.048 χ^2/NDF: 1599025.1/17

Left In: 179.552+/-0.035 χ^2/NDF:1631554.8/17

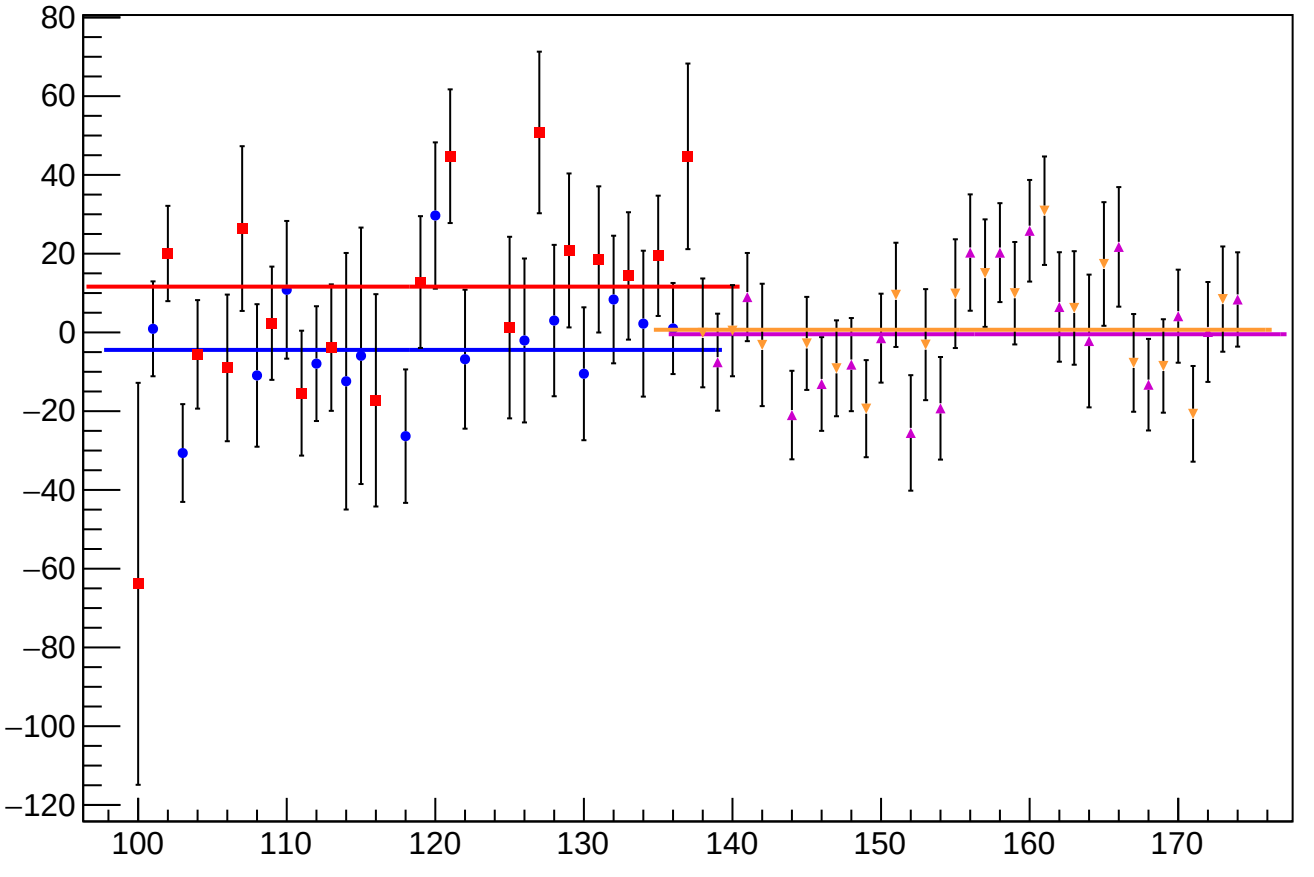
Left: 191.468+/-0.026 χ^2/NDF: 3107852.6/35

Right: 180.791+/-0.036 χ^2/NDF: 2751765.9/33

In: 183.719+/-0.029 χ^2/NDF:2728854.8/33

Out: 192.290+/-0.031 χ^2/NDF:3147605.7/35

All: 187.743+/-0.021 χ^2/NDF: 5916999.1/69



Right In: -4.440+/-4.131 χ^2/NDF: 12.0/15

Left Out: 0.676+/-3.091 χ^2/NDF:16.6/17

Right Out: 11.627+/-4.137 χ^2/NDF: 21.6/17

Left In: -0.462+/-2.978 χ^2/NDF:24.1/17

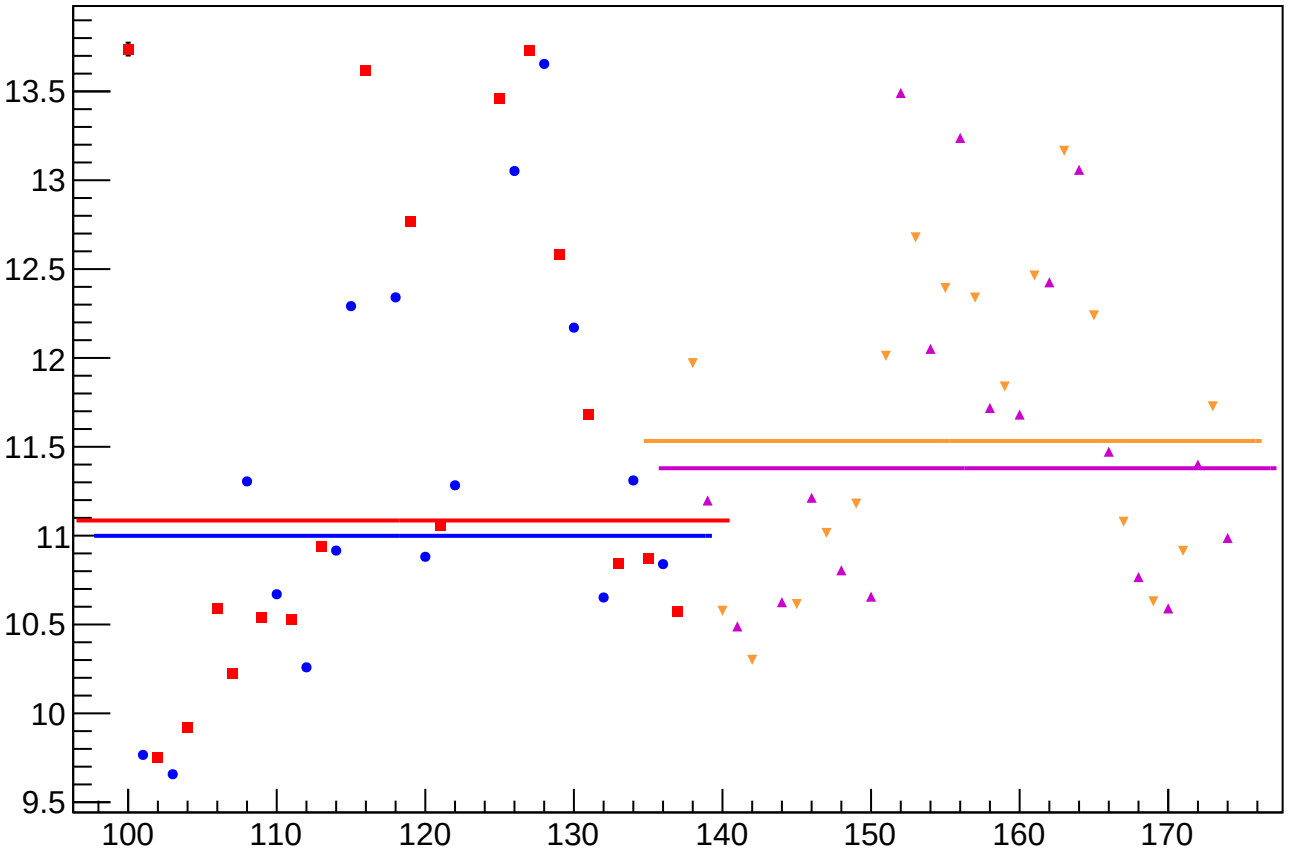
Left: 0.086+/-2.145 χ^2/NDF: 40.8/35

Right: 3.582+/-2.923 χ^2/NDF: 41.2/33

In: -1.822+/-2.416 χ^2/NDF:36.7/33

Out: 4.599+/-2.476 χ^2/NDF:42.7/35

All: 1.310+/-1.729 χ^2/NDF: 82.9/69



Right In: 10.999+/-0.003 χ^2/NDF: 136159.2/15

Left Out: 11.533+/-0.002 χ^2/NDF:135921.0/17

Right Out: 11.085+/-0.003 χ^2/NDF: 162204.2/17

Left In: 11.379+/-0.002 χ^2/NDF:164200.8/17

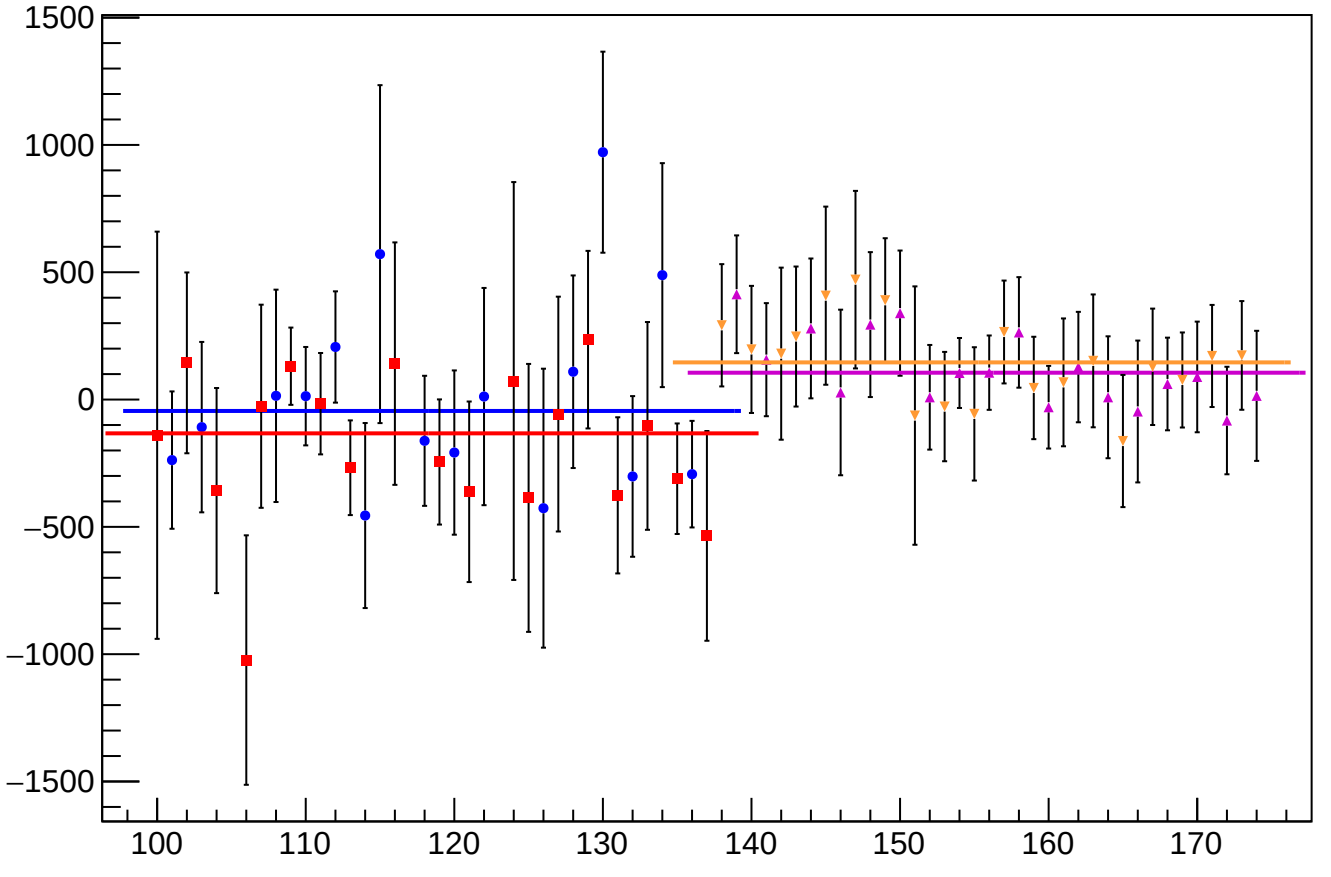
Left: 11.453+/-0.002 χ^2/NDF: 302679.5/35

Right: 11.042+/-0.002 χ^2/NDF: 298798.9/33

In: 11.249+/-0.002 χ^2/NDF:311513.6/33

Out: 11.372+/-0.002 χ^2/NDF:313146.8/35

All: 11.309+/-0.001 χ^2/NDF: 627197.9/69



Right In: -44.797+/-76.424 χ^2/NDF: 15.4/15

Left Out: 145.948+/-56.069 χ^2/NDF:6.7/18

Right Out: -132.730+/-68.270 χ^2/NDF: 12.9/18

Left In: 105.412+/-49.145 χ^2/NDF:6.5/17

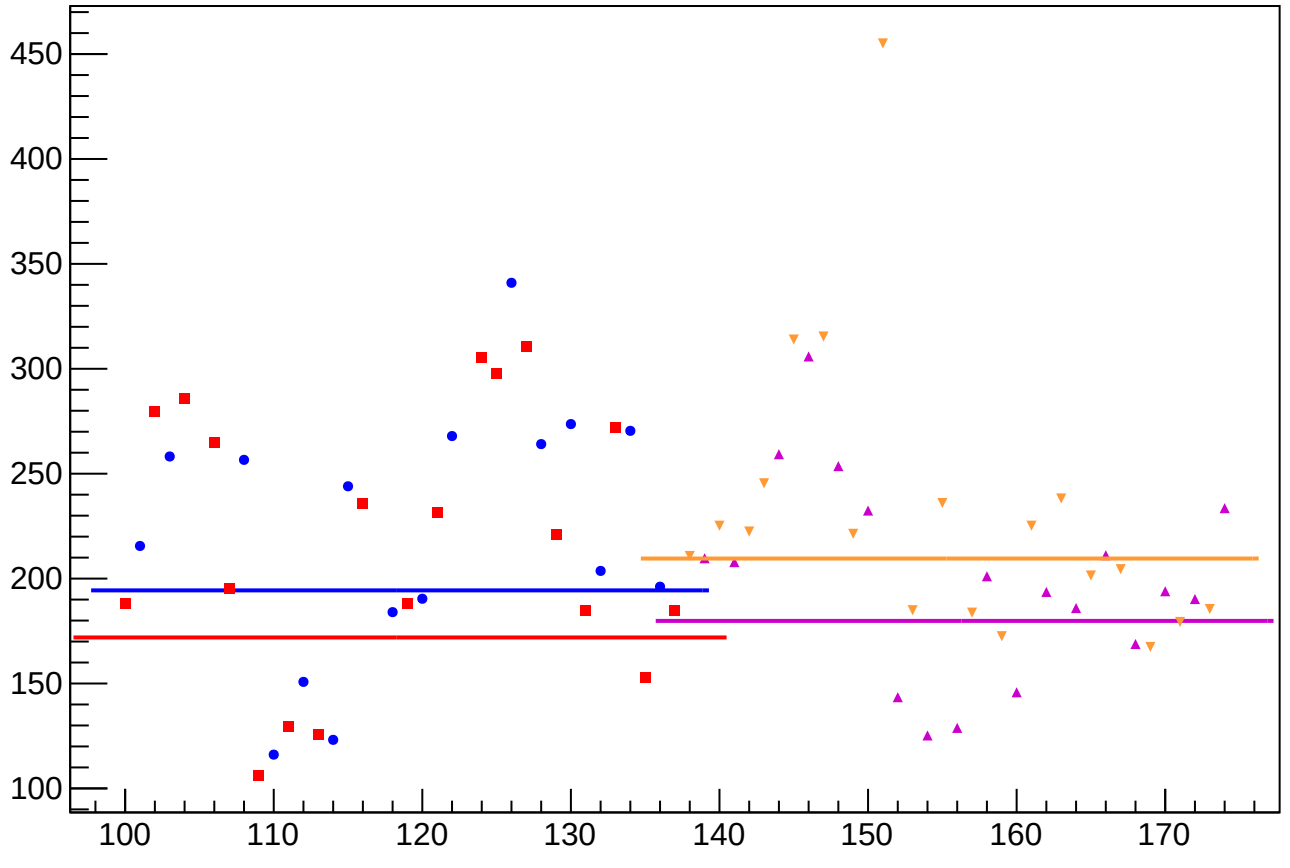
Left: 123.024+/-36.958 χ^2/NDF: 13.5/36

Right: -93.703+/-50.914 χ^2/NDF: 29.0/34

In: 61.468+/-41.336 χ^2/NDF:24.7/33

Out: 33.694+/-43.329 χ^2/NDF:29.5/37

All: 48.235+/-29.909 χ^2/NDF: 54.4/71



Right In: 194.385+/-0.054 χ^2/NDF: 1042024.1/15

Left Out: 209.564+/-0.040 χ^2/NDF:1234827.4/18

Right Out: 171.949+/-0.048 χ^2/NDF: 1651343.7/18

Left In: 179.843+/-0.035 χ^2/NDF:1631981.5/17

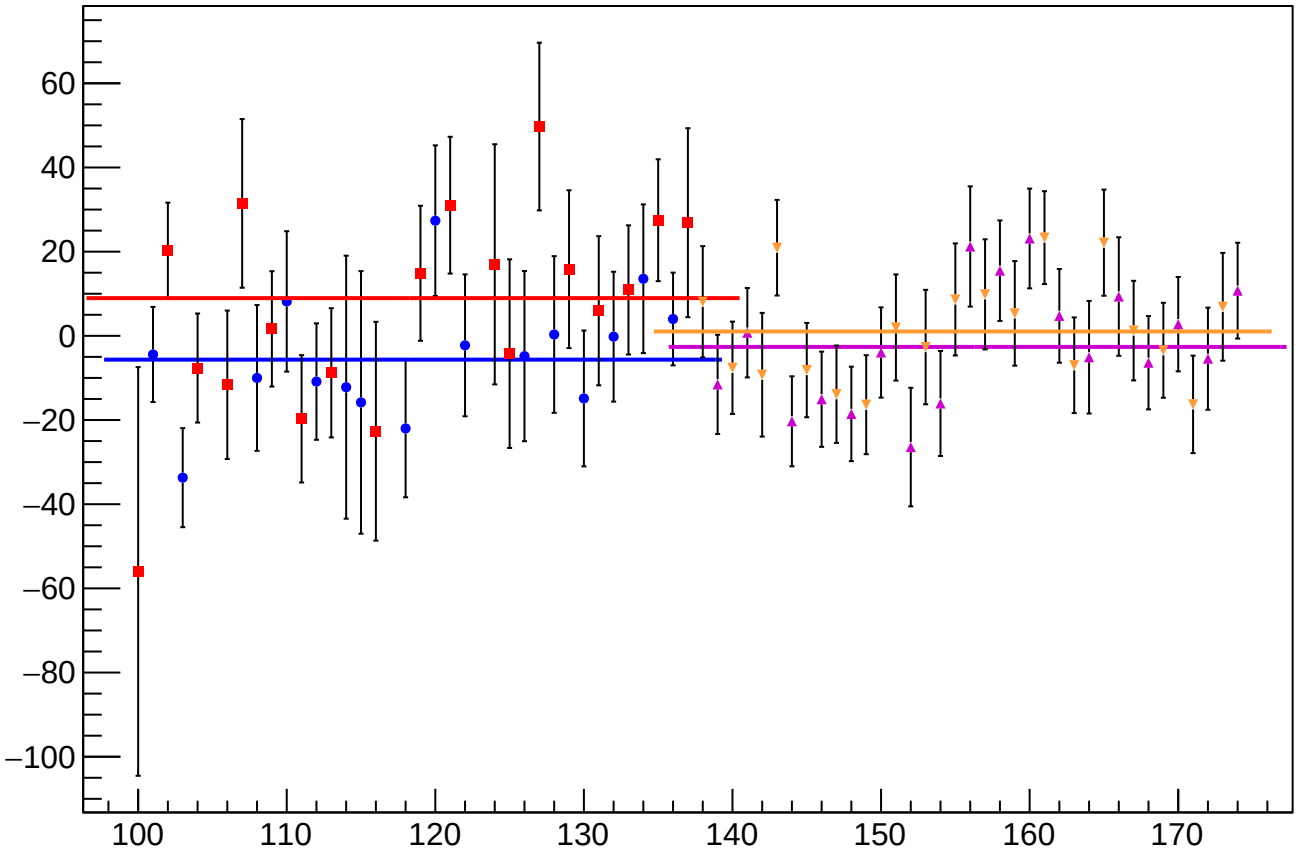
Left: 192.756+/-0.026 χ^2/NDF: 3184625.8/36

Right: 181.907+/-0.036 χ^2/NDF: 2789239.1/34

In: 184.097+/-0.029 χ^2/NDF:2725235.3/33

Out: 194.413+/-0.031 χ^2/NDF:3248768.7/37

All: 189.012+/-0.021 χ^2/NDF: 6033347.4/71



Right In: -5.657+/-3.939 χ^2/NDF: 13.7/15

Left Out: 1.037+/-2.778 χ^2/NDF:20.0/18

Right Out: 8.960+/-3.901 χ^2/NDF: 22.8/18

Left In: -2.631+/-2.784 χ^2/NDF:23.4/17

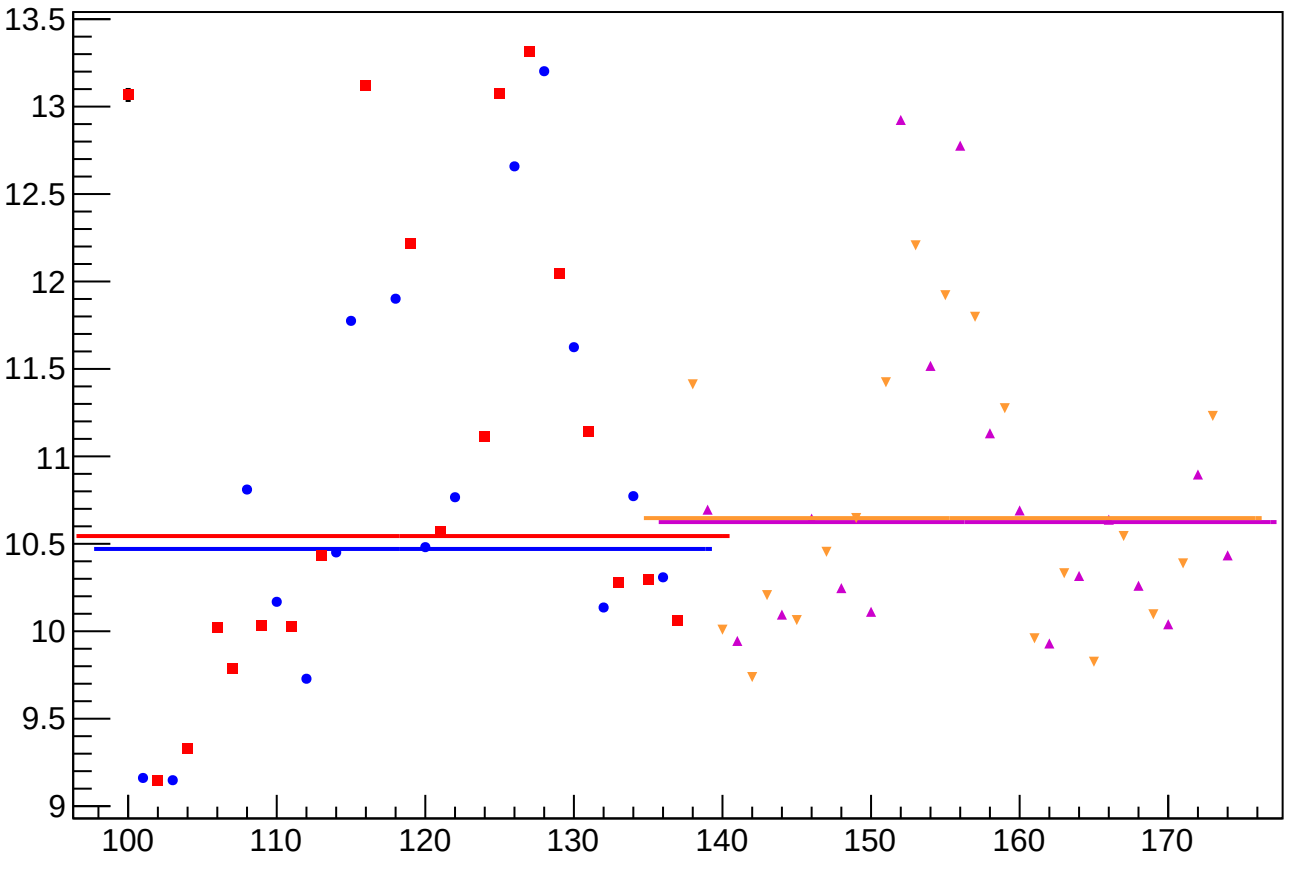
Left: -0.794+/-1.966 χ^2/NDF: 44.3/36

Right: 1.723+/-2.772 χ^2/NDF: 43.4/34

In: -3.639+/-2.273 χ^2/NDF:37.5/33

Out: 3.703+/-2.263 χ^2/NDF:45.5/37

All: 0.049+/-1.604 χ^2/NDF: 88.2/71



Right In: 10.471+/-0.003 χ^2/NDF: 157365.8/15

Left Out: 10.647+/-0.002 χ^2/NDF:130794.7/18

Right Out: 10.544+/-0.003 χ^2/NDF: 186780.3/18

Left In: 10.624+/-0.002 χ^2/NDF:150665.5/17

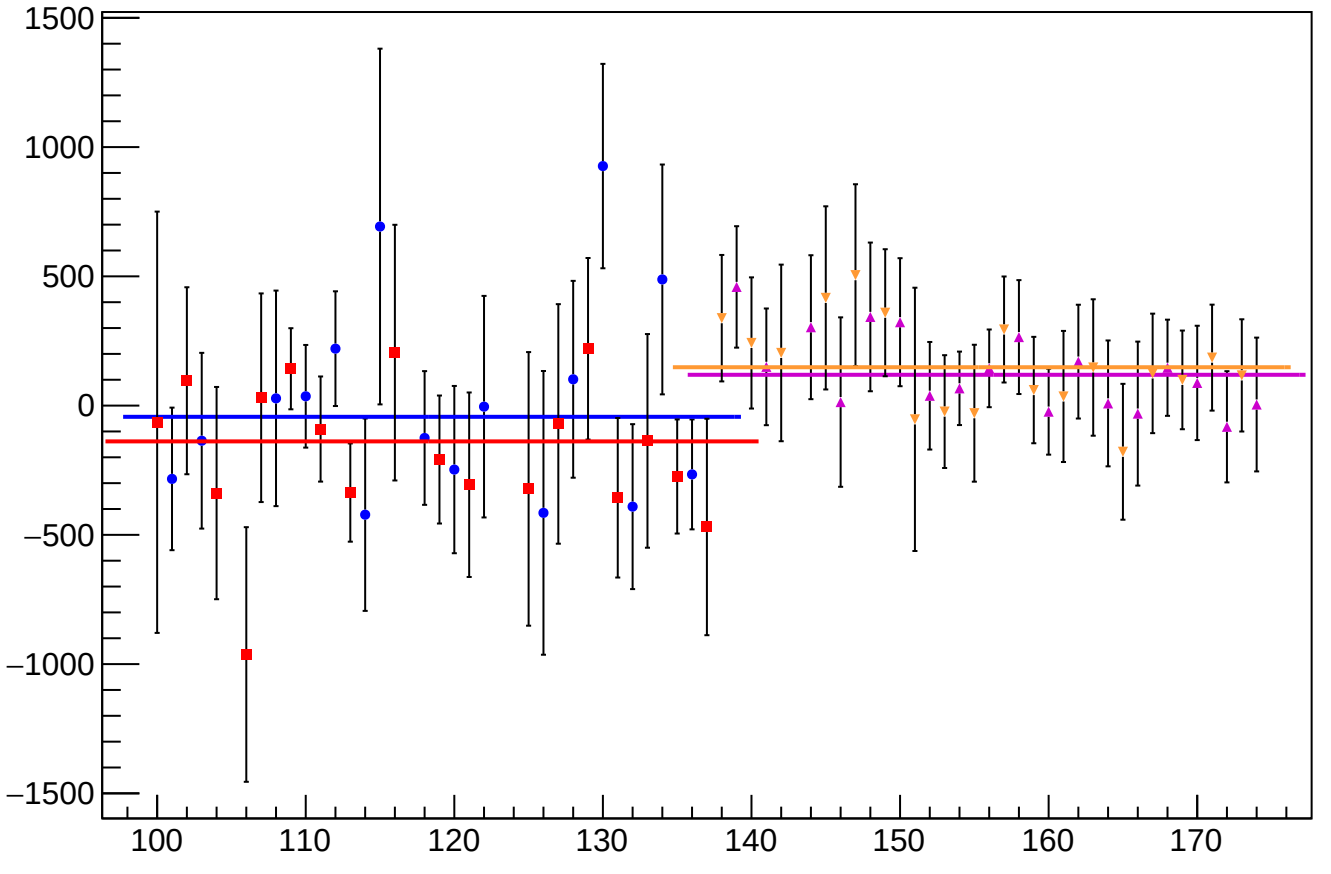
Left: 10.636+/-0.001 χ^2/NDF: 281527.0/36

Right: 10.508+/-0.002 χ^2/NDF: 344500.1/34

In: 10.573+/-0.002 χ^2/NDF:310061.8/33

Out: 10.612+/-0.002 χ^2/NDF:318494.2/37

All: 10.593+/-0.001 χ^2/NDF: 628857.4/71



Right In: -43.384+/-77.584 χ^2/NDF: 15.5/15

Left Out: 148.423+/-58.169 χ^2/NDF:6.9/17

Right Out: -138.455+/-69.833 χ^2/NDF: 11.5/17

Left In: 119.170+/-50.107 χ^2/NDF:7.1/17

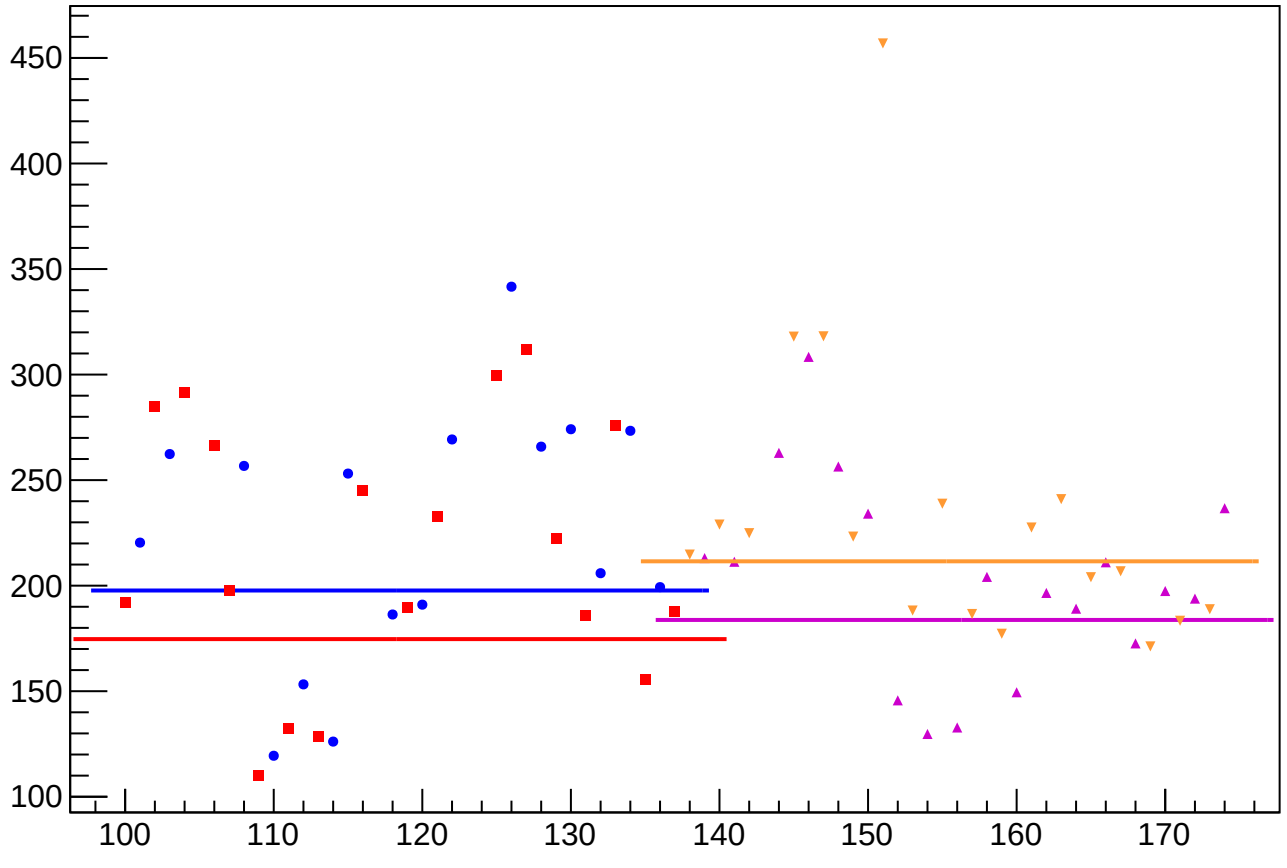
Left: 131.631+/-37.964 χ^2/NDF: 14.1/35

Right: -95.904+/-51.904 χ^2/NDF: 27.7/33

In: 71.324+/-42.092 χ^2/NDF:25.6/33

Out: 30.910+/-44.695 χ^2/NDF:28.3/35

All: 52.328+/-30.642 χ^2/NDF: 54.4/69



Right In: 197.707+/-0.055 χ^2/NDF: 1000324.6/15

Left Out: 211.533+/-0.041 χ^2/NDF:1159407.4/17

Right Out: 174.679+/-0.049 χ^2/NDF: 1534751.1/17

Left In: 183.759+/-0.035 χ^2/NDF:1540108.2/17

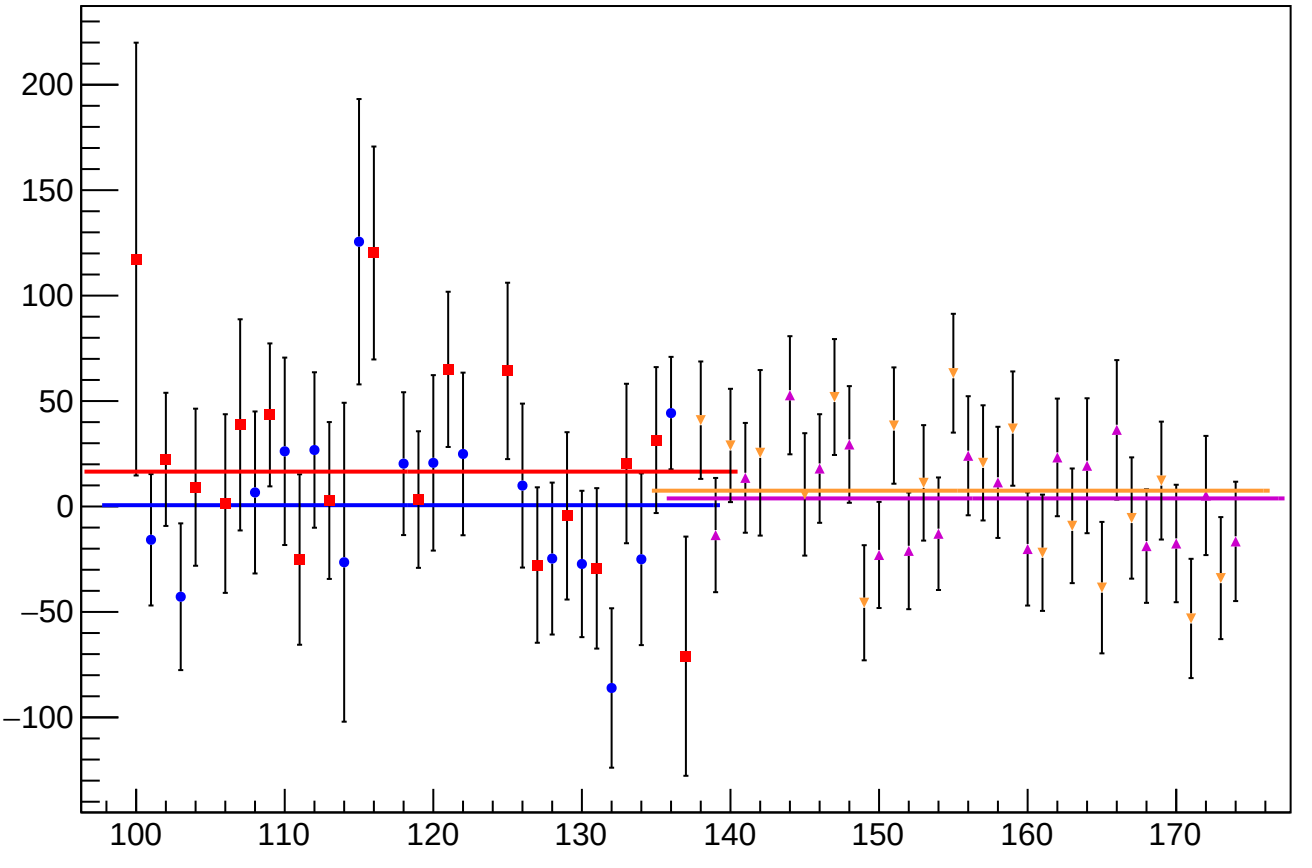
Left: 195.590+/-0.027 χ^2/NDF: 2961245.7/35

Right: 184.986+/-0.037 χ^2/NDF: 2632415.9/33

In: 187.865+/-0.030 χ^2/NDF:2586047.3/33

Out: 196.436+/-0.032 χ^2/NDF:3023010.7/35

All: 191.894+/-0.022 χ^2/NDF: 5648042.8/69



Right In: 0.619+/-9.421 χ^2/NDF: 16.7/15

Left Out: 7.495+/-6.678 χ^2/NDF:25.9/17

Right Out: 16.534+/-9.307 χ^2/NDF: 16.4/17

Left In: 3.831+/-6.502 χ^2/NDF:12.0/17

Left: 5.614+/-4.659 χ^2/NDF: 38.0/35

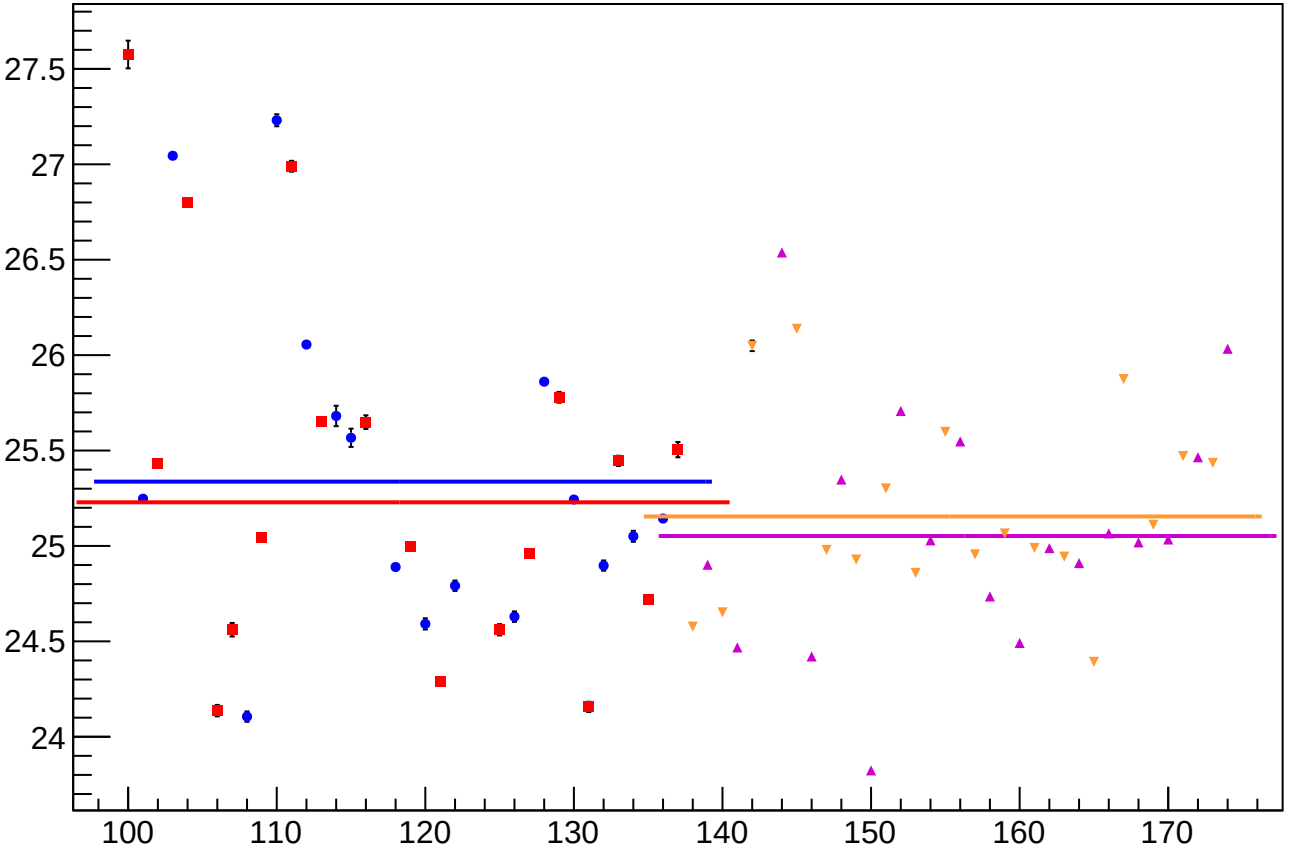
Right: 8.674+/-6.621 χ^2/NDF: 34.6/33

In: 2.795+/-5.352 χ^2/NDF:28.8/33

Out: 10.567+/-5.426 χ^2/NDF:42.9/35

All: 6.627+/-3.810 χ^2/NDF: 72.7/69

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 25.337+/-0.007 χ^2/NDF: 14315.0/15

Left Out: 25.154+/-0.005 χ^2/NDF:9110.7/17

Right Out: 25.229+/-0.007 χ^2/NDF: 15176.1/17

Left In: 25.052+/-0.005 χ^2/NDF:18682.2/17

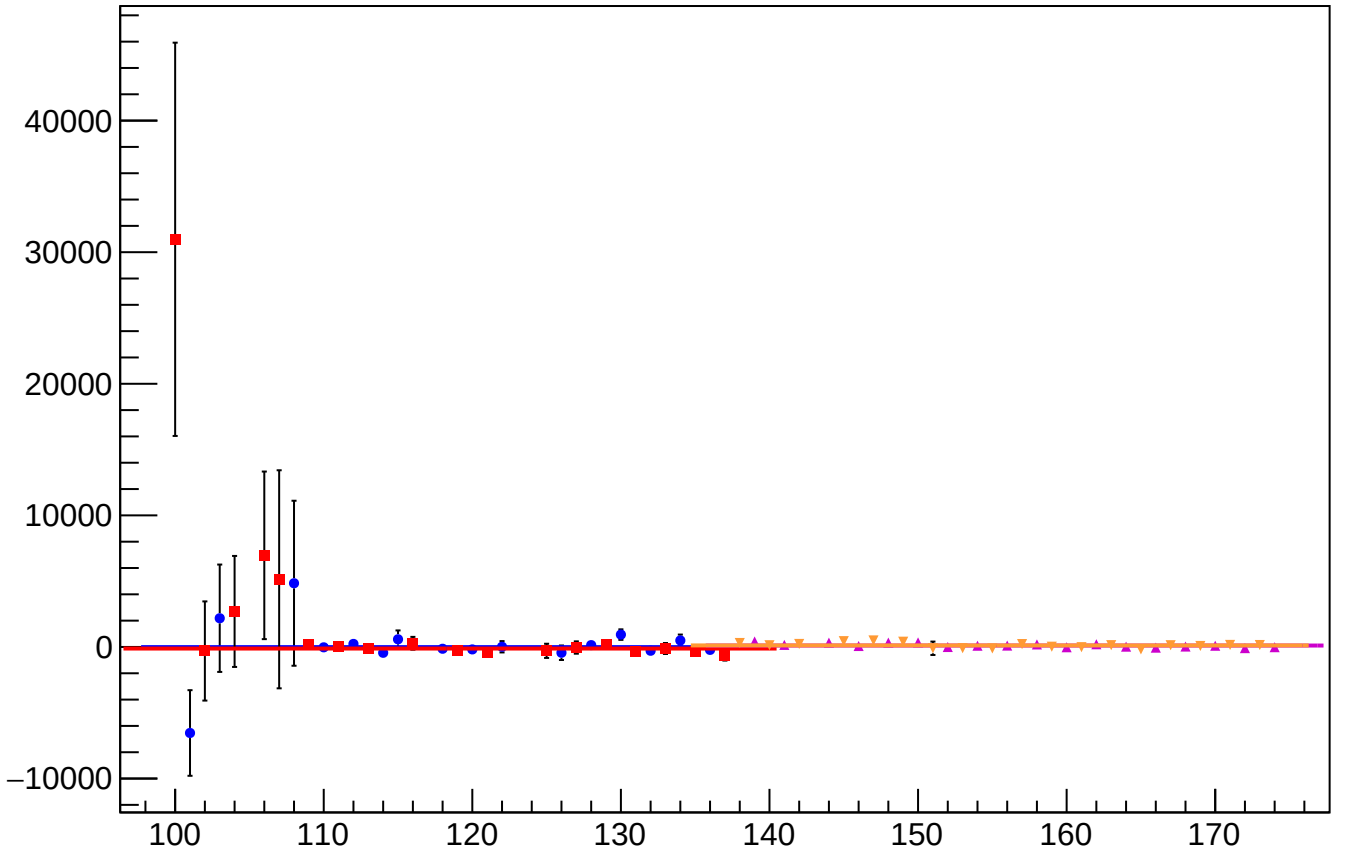
Left: 25.102+/-0.003 χ^2/NDF: 28034.2/35

Right: 25.282+/-0.005 χ^2/NDF: 29624.6/33

In: 25.144+/-0.004 χ^2/NDF:34236.4/33

Out: 25.180+/-0.004 χ^2/NDF:24370.9/35

All: 25.162+/-0.003 χ^2/NDF: 58651.2/69



Right In: -13.160+/-84.454 χ^2/NDF: 18.3/15

Left Out: 117.178+/-58.538 χ^2/NDF:7.8/17

Right Out: -119.984+/-78.247 χ^2/NDF: 14.4/17

Left In: 107.924+/-50.689 χ^2/NDF:6.7/17

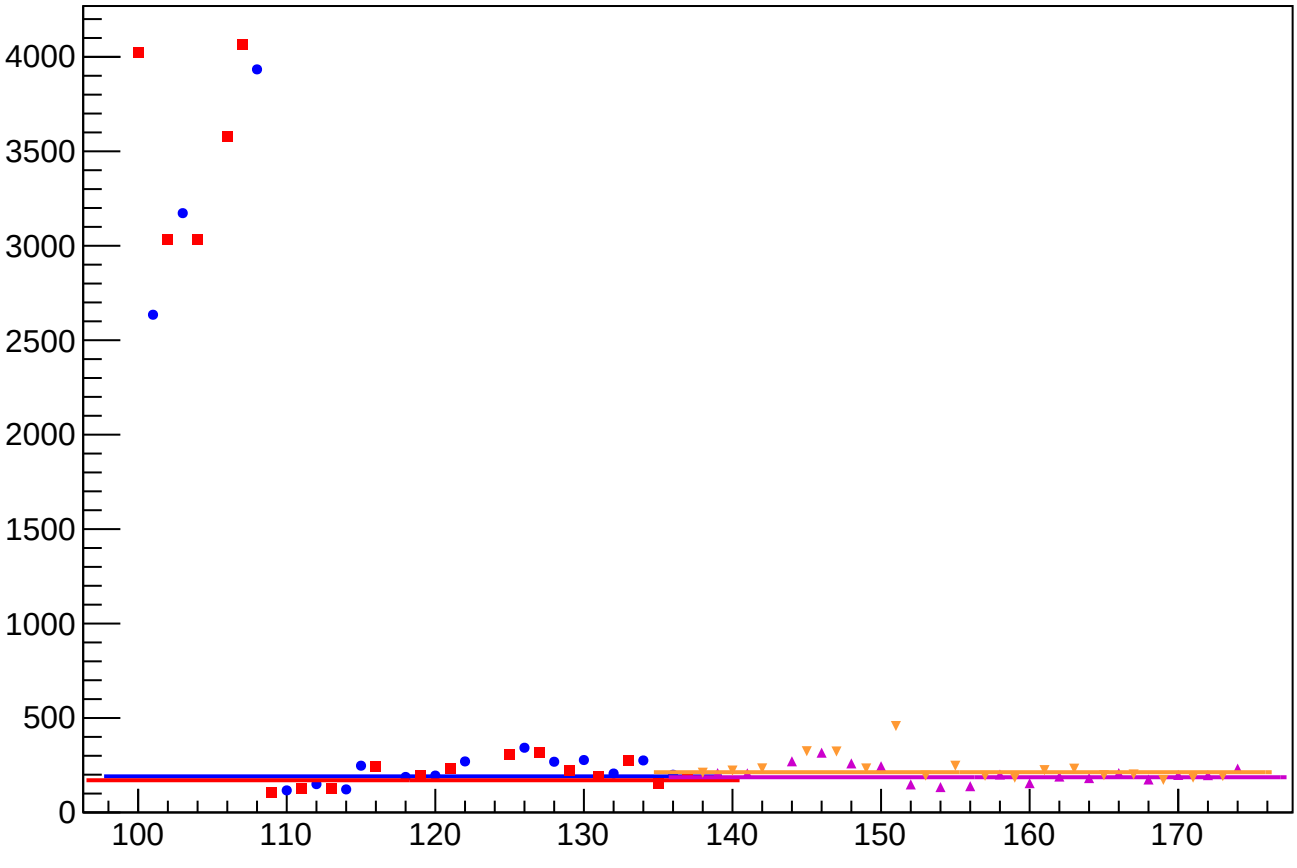
Left: 111.889+/-38.320 χ^2/NDF: 14.6/35

Right: -70.641+/-57.398 χ^2/NDF: 33.6/33

In: 75.856+/-43.462 χ^2/NDF:26.6/33

Out: 32.074+/-46.873 χ^2/NDF:28.1/35

All: 55.616+/-31.870 χ^2/NDF: 55.2/69



Right In: 191.070+/-0.060 χ^2/NDF: 3833952.4/15

Left Out: 213.078+/-0.041 χ^2/NDF:1135390.6/17

Right Out: 170.494+/-0.055 χ^2/NDF: 4254820.8/17

Left In: 186.423+/-0.036 χ^2/NDF:1404817.7/17

Left: 197.845+/-0.027 χ^2/NDF: 2777176.3/35

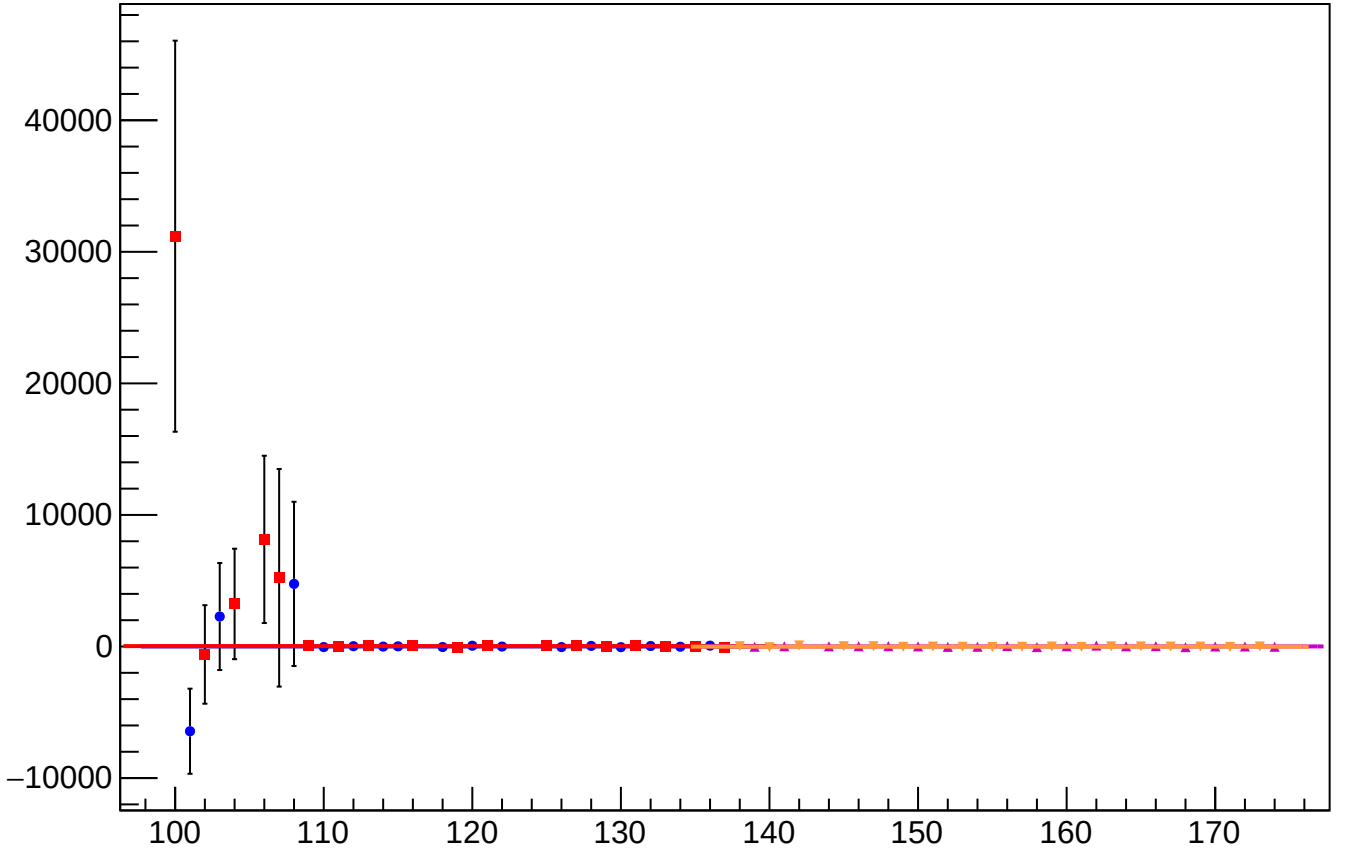
Right: 179.998+/-0.041 χ^2/NDF: 8152654.9/33

In: 187.654+/-0.031 χ^2/NDF:5243220.7/33

Out: 197.797+/-0.033 χ^2/NDF:5770005.6/35

All: 192.343+/-0.023 χ^2/NDF: 11063580.9/69

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.490+/-11.764 χ^2/NDF: 18.3/15

Left Out: -8.642+/-7.653 χ^2/NDF:11.6/17

Right Out: 30.740+/-12.084 χ^2/NDF: 19.9/17

Left In: 6.679+/-7.487 χ^2/NDF:16.7/17

Left: -0.814+/-5.352 χ^2/NDF: 30.4/35

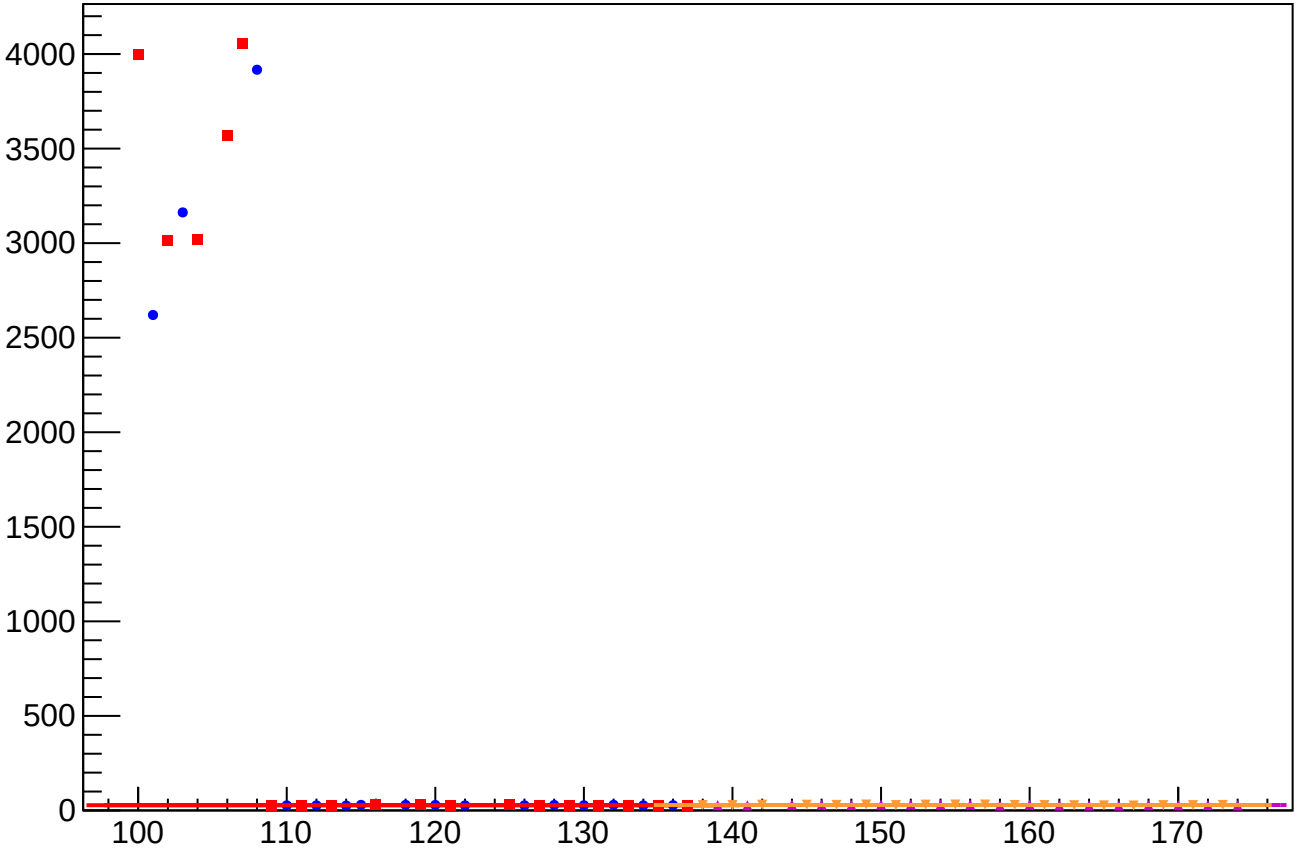
Right: 18.290+/-8.429 χ^2/NDF: 40.2/33

In: 6.625+/-6.316 χ^2/NDF:35.0/33

Out: 2.631+/-6.465 χ^2/NDF:39.1/35

All: 4.674+/-4.518 χ^2/NDF: 74.3/69

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.825+/-0.008 χ^2/NDF: 3265895.3/15

Left Out: 28.771+/-0.005 χ^2/NDF:72676.9/17

Right Out: 27.778+/-0.009 χ^2/NDF: 3558398.6/17

Left In: 28.774+/-0.005 χ^2/NDF:117010.7/17

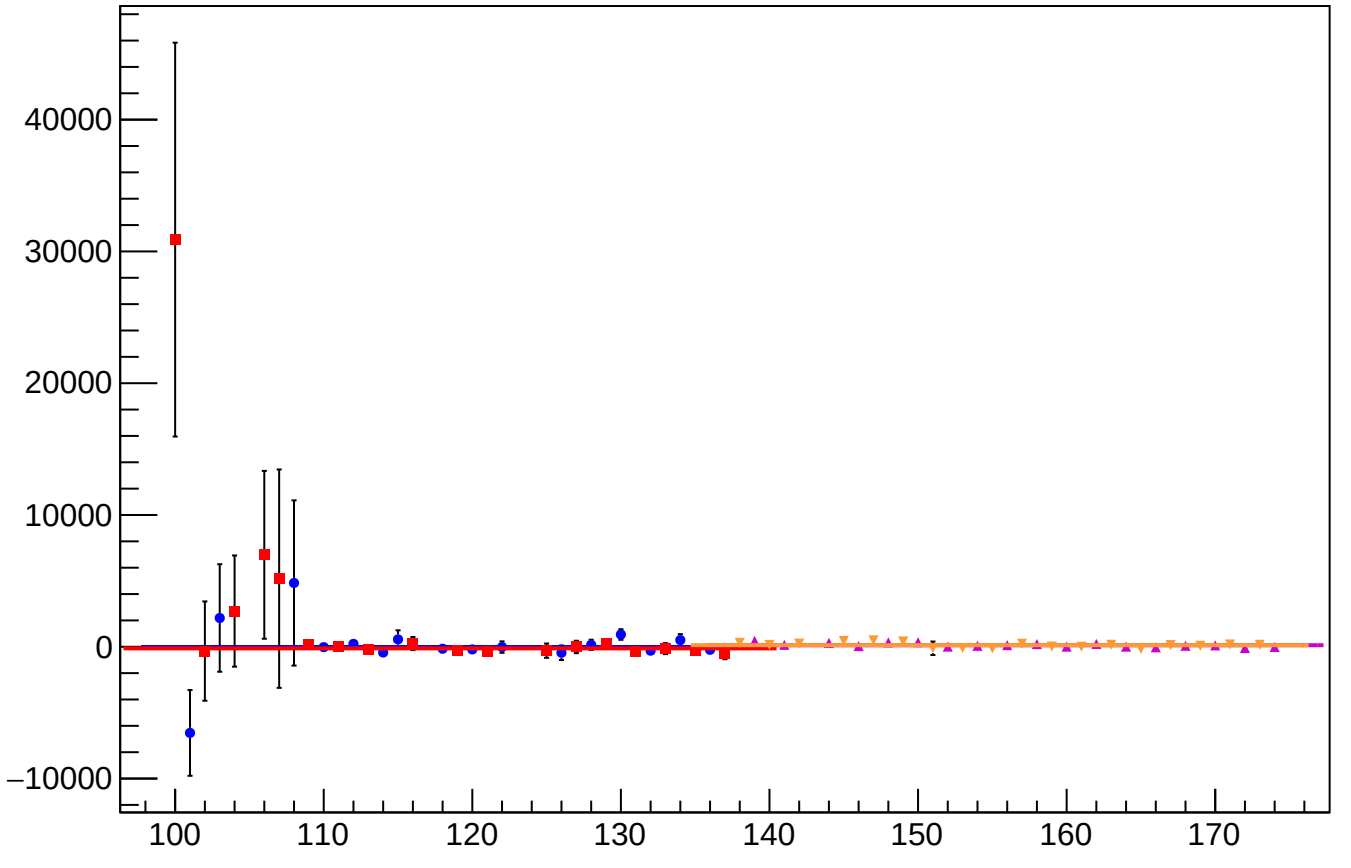
Left: 28.773+/-0.004 χ^2/NDF: 189687.8/35

Right: 27.802+/-0.006 χ^2/NDF: 6824309.2/33

In: 28.500+/-0.004 χ^2/NDF:3392170.7/33

Out: 28.487+/-0.005 χ^2/NDF:3640713.1/35

All: 28.494+/-0.003 χ^2/NDF: 7032888.2/69



Right In: -19.522+/-85.063 χ^2/NDF: 18.2/15

Left Out: 121.954+/-59.021 χ^2/NDF:7.6/17

Right Out: -121.544+/-78.844 χ^2/NDF: 13.2/17

Left In: 116.861+/-51.171 χ^2/NDF:6.6/17

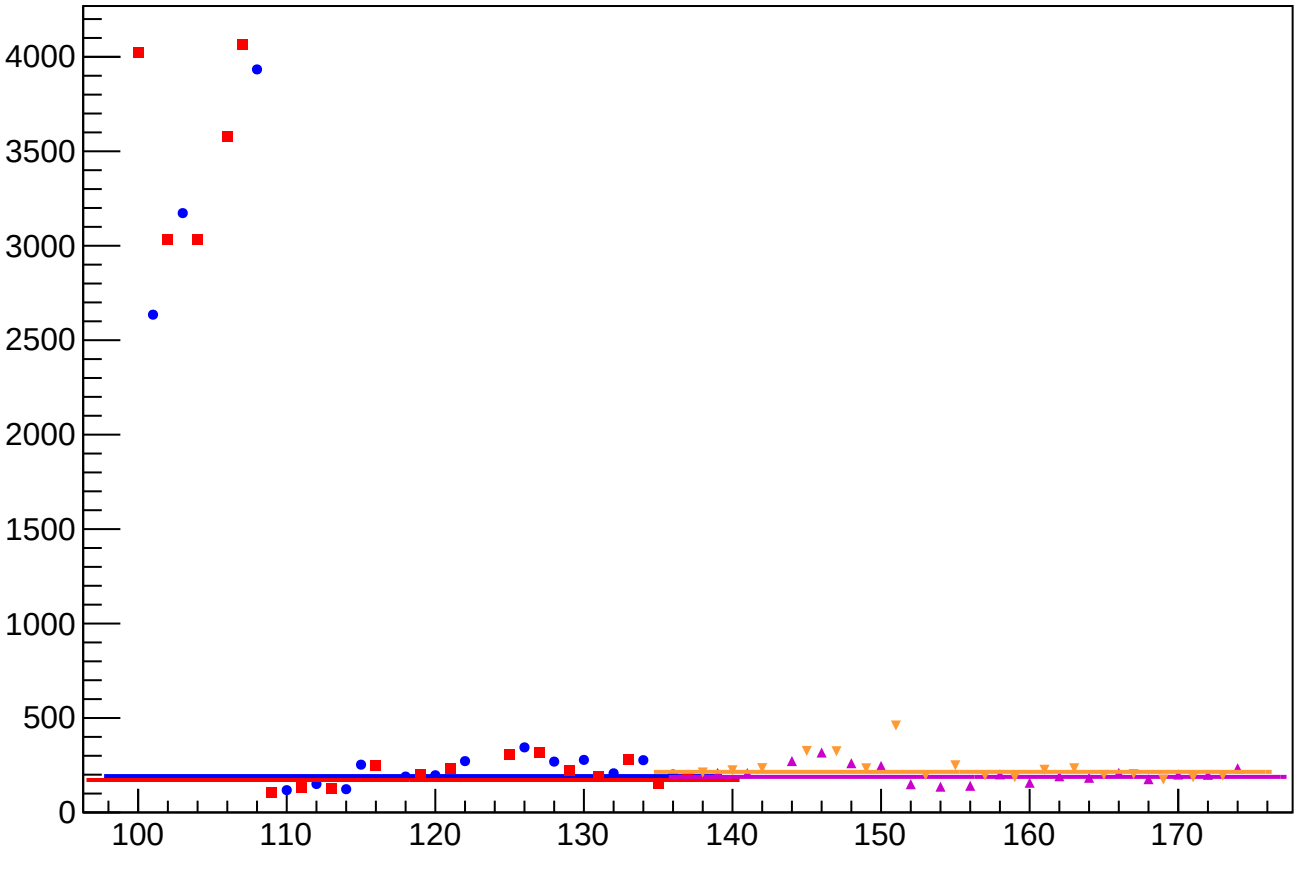
Left: 119.046+/-38.663 χ^2/NDF: 14.1/35

Right: -74.398+/-57.825 χ^2/NDF: 32.2/33

In: 80.621+/-43.848 χ^2/NDF:26.6/33

Out: 34.508+/-47.249 χ^2/NDF:26.9/35

All: 59.284+/-32.140 χ^2/NDF: 54.1/69



Right In: 192.560+/-0.060 χ^2/NDF: 3822789.1/15

Left Out: 214.937+/-0.042 χ^2/NDF:1117638.7/17

Right Out: 171.899+/-0.056 χ^2/NDF: 4247800.5/17

Left In: 188.351+/-0.036 χ^2/NDF:1364150.0/17

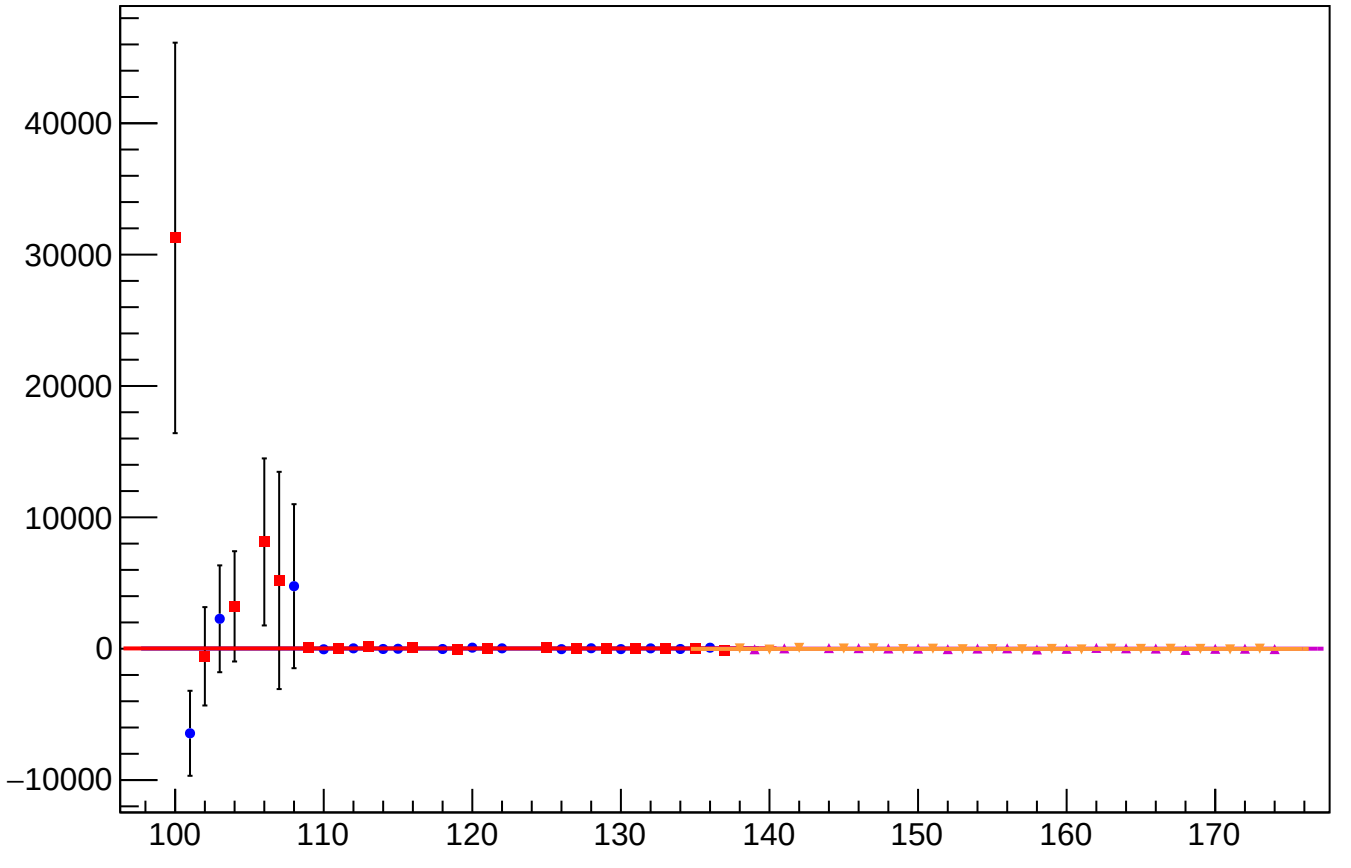
Left: 199.760+/-0.027 χ^2/NDF: 2713453.2/35

Right: 181.447+/-0.041 χ^2/NDF: 8134058.4/33

In: 189.470+/-0.031 χ^2/NDF:5190534.2/33

Out: 199.481+/-0.033 χ^2/NDF:5747362.6/35

All: 194.102+/-0.023 χ^2/NDF: 10986137.2/69



Right In: 13.713+/-13.062 χ^2/NDF: 15.5/15

Left Out: -15.549+/-8.263 χ^2/NDF:13.0/17

Right Out: 21.906+/-13.382 χ^2/NDF: 28.4/17

Left In: 1.206+/-8.119 χ^2/NDF:23.3/17

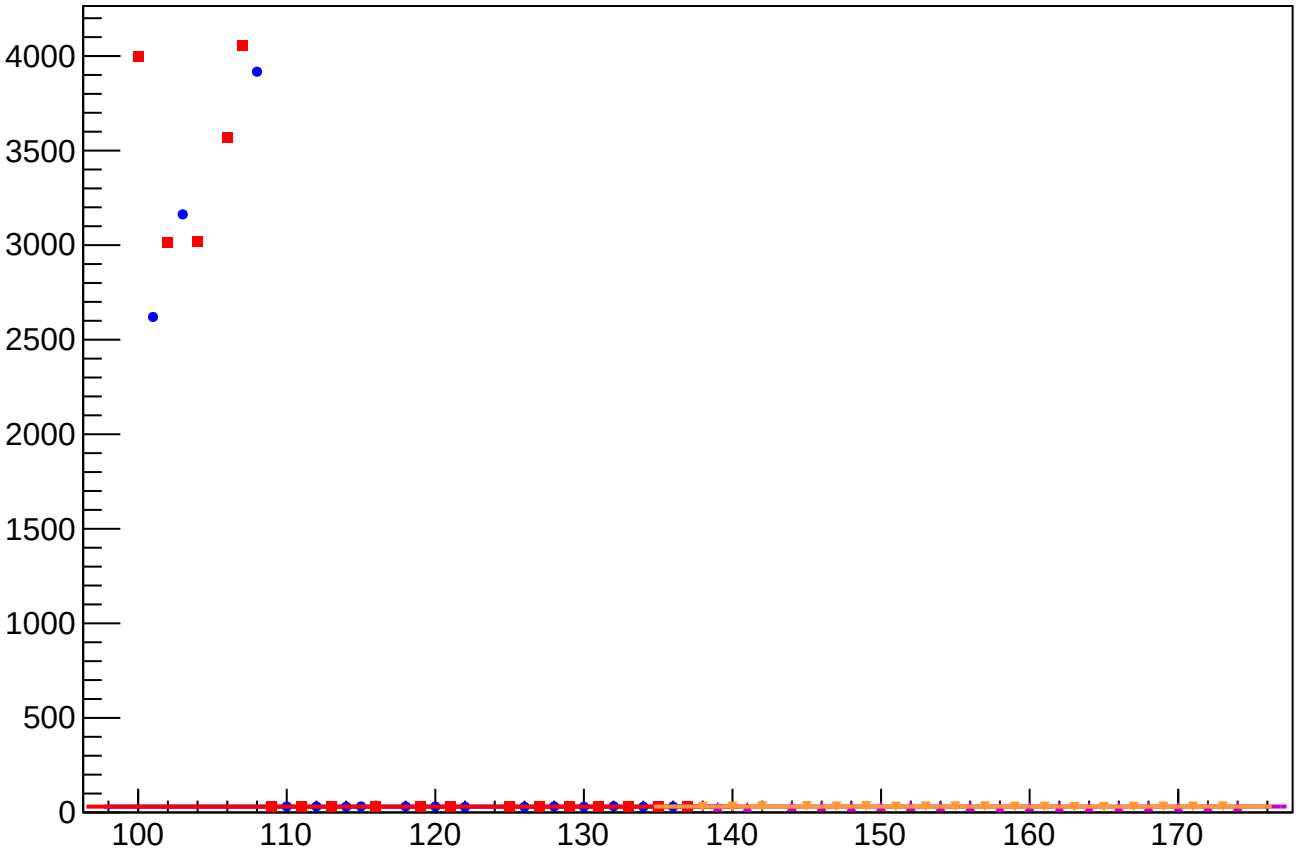
Left: -7.024+/-5.791 χ^2/NDF: 38.3/35

Right: 17.710+/-9.347 χ^2/NDF: 44.0/33

In: 4.692+/-6.895 χ^2/NDF:39.4/33

Out: -5.212+/-7.030 χ^2/NDF:47.0/35

All: -0.164+/-4.923 χ^2/NDF: 87.4/69



Right In: 30.928+/-0.009 χ^2/NDF: 3252607.8/15

Left Out: 31.089+/-0.006 χ^2/NDF:41909.7/17

Right Out: 30.804+/-0.009 χ^2/NDF: 3535959.8/17

Left In: 31.224+/-0.006 χ^2/NDF:78400.2/17

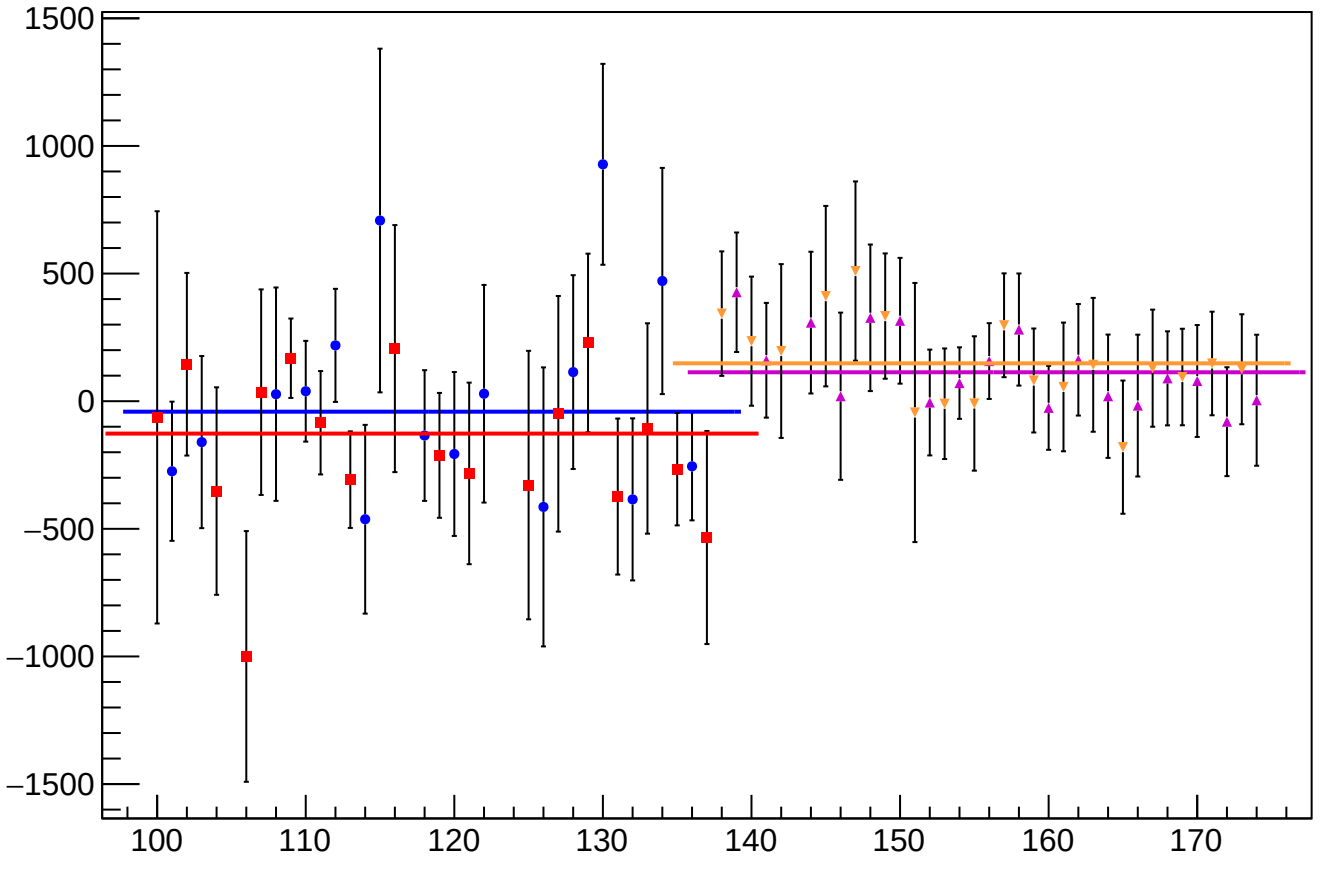
Left: 31.158+/-0.004 χ^2/NDF: 120582.1/35

Right: 30.868+/-0.007 χ^2/NDF: 6788655.9/33

In: 31.142+/-0.005 χ^2/NDF:3331746.5/33

Out: 31.010+/-0.005 χ^2/NDF:3578524.9/35

All: 31.077+/-0.003 χ^2/NDF: 6910627.2/69



Right In: -41.114+/-77.139 χ^2/NDF: 15.6/15

Left Out: 148.387+/-57.790 χ^2/NDF:6.5/17

Right Out: -126.896+/-69.382 χ^2/NDF: 12.8/17

Left In: 113.318+/-49.708 χ^2/NDF:6.9/17

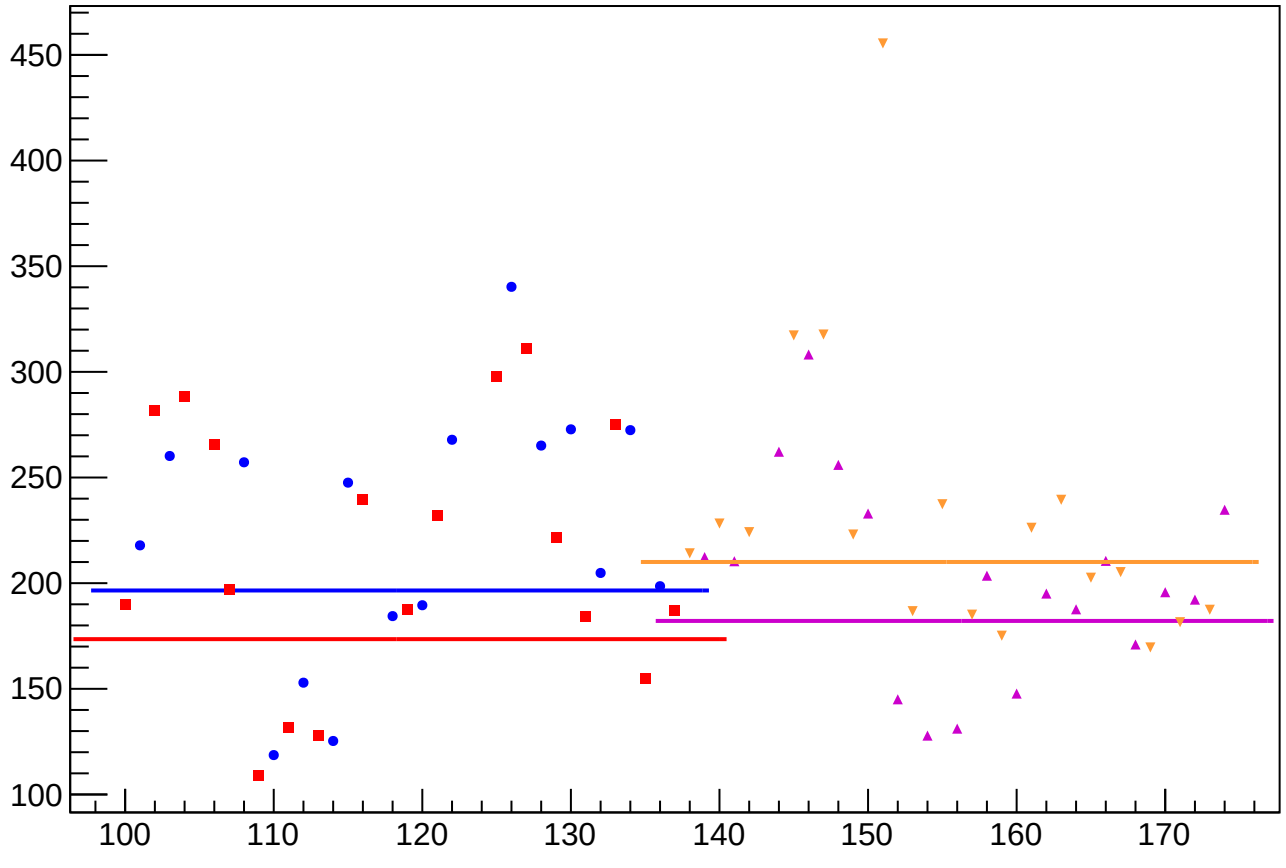
Left: 128.231+/-37.685 χ^2/NDF: 13.6/35

Right: -88.533+/-51.586 χ^2/NDF: 29.1/33

In: 68.006+/-41.784 χ^2/NDF:25.4/33

Out: 35.632+/-44.405 χ^2/NDF:28.5/35

All: 52.802+/-30.430 χ^2/NDF: 54.2/69



Right In: 196.542+/-0.055 χ^2/NDF: 1000770.4/15

Left Out: 210.031+/-0.041 χ^2/NDF:1181647.0/17

Right Out: 173.509+/-0.049 χ^2/NDF: 1532720.5/17

Left In: 182.132+/-0.035 χ^2/NDF:1583727.6/17

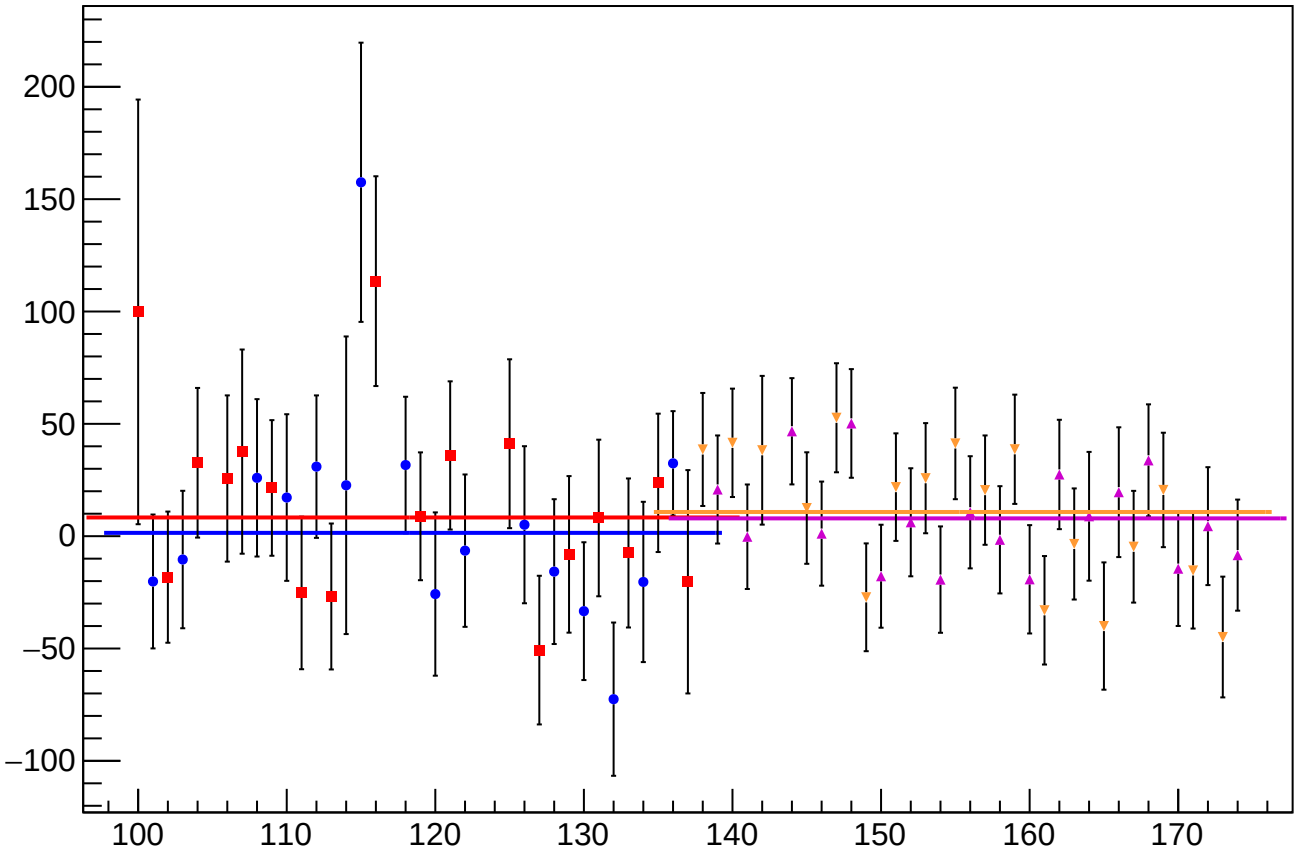
Left: 193.996+/-0.027 χ^2/NDF: 3033297.7/35

Right: 183.810+/-0.036 χ^2/NDF: 2632060.1/33

In: 186.360+/-0.030 χ^2/NDF:2633816.8/33

Out: 195.072+/-0.031 χ^2/NDF:3041551.3/35

All: 190.451+/-0.022 χ^2/NDF: 5716201.4/69



Right In: 1.475+/-8.370 χ^2/NDF: 18.7/15

Left Out: 10.770+/-5.942 χ^2/NDF:25.3/17

Right Out: 8.329+/-8.286 χ^2/NDF: 16.0/17

Left In: 7.917+/-5.795 χ^2/NDF:13.4/17

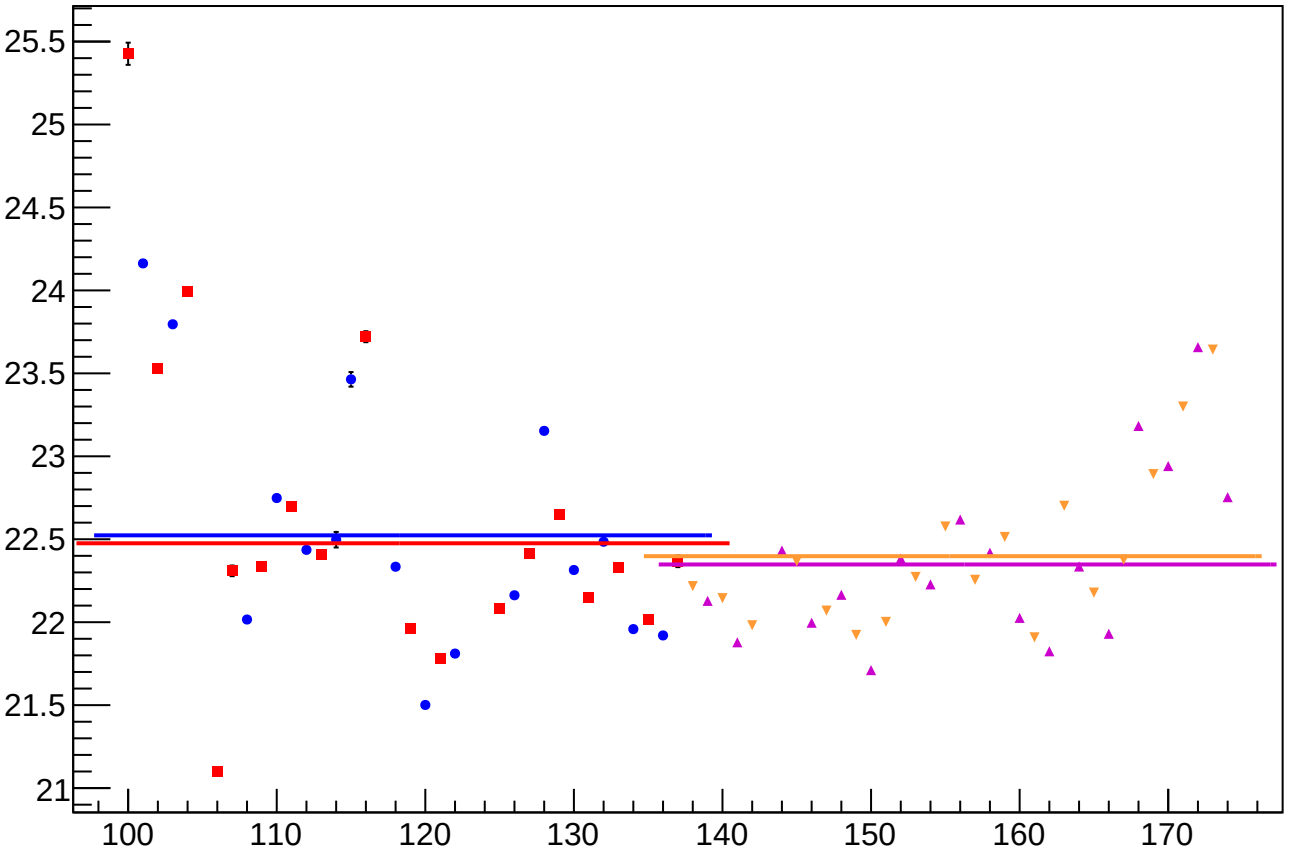
Left: 9.307+/-4.149 χ^2/NDF: 38.8/35

Right: 4.937+/-5.889 χ^2/NDF: 35.0/33

In: 5.829+/-4.765 χ^2/NDF:32.4/33

Out: 9.940+/-4.829 χ^2/NDF:41.4/35

All: 7.857+/-3.392 χ^2/NDF: 74.2/69



Right In: 22.524+/-0.006 χ^2/NDF: 15947.8/15

Left Out: 22.398+/-0.004 χ^2/NDF:11336.2/17

Right Out: 22.476+/-0.006 χ^2/NDF: 15536.6/17

Left In: 22.348+/-0.004 χ^2/NDF:13978.8/17

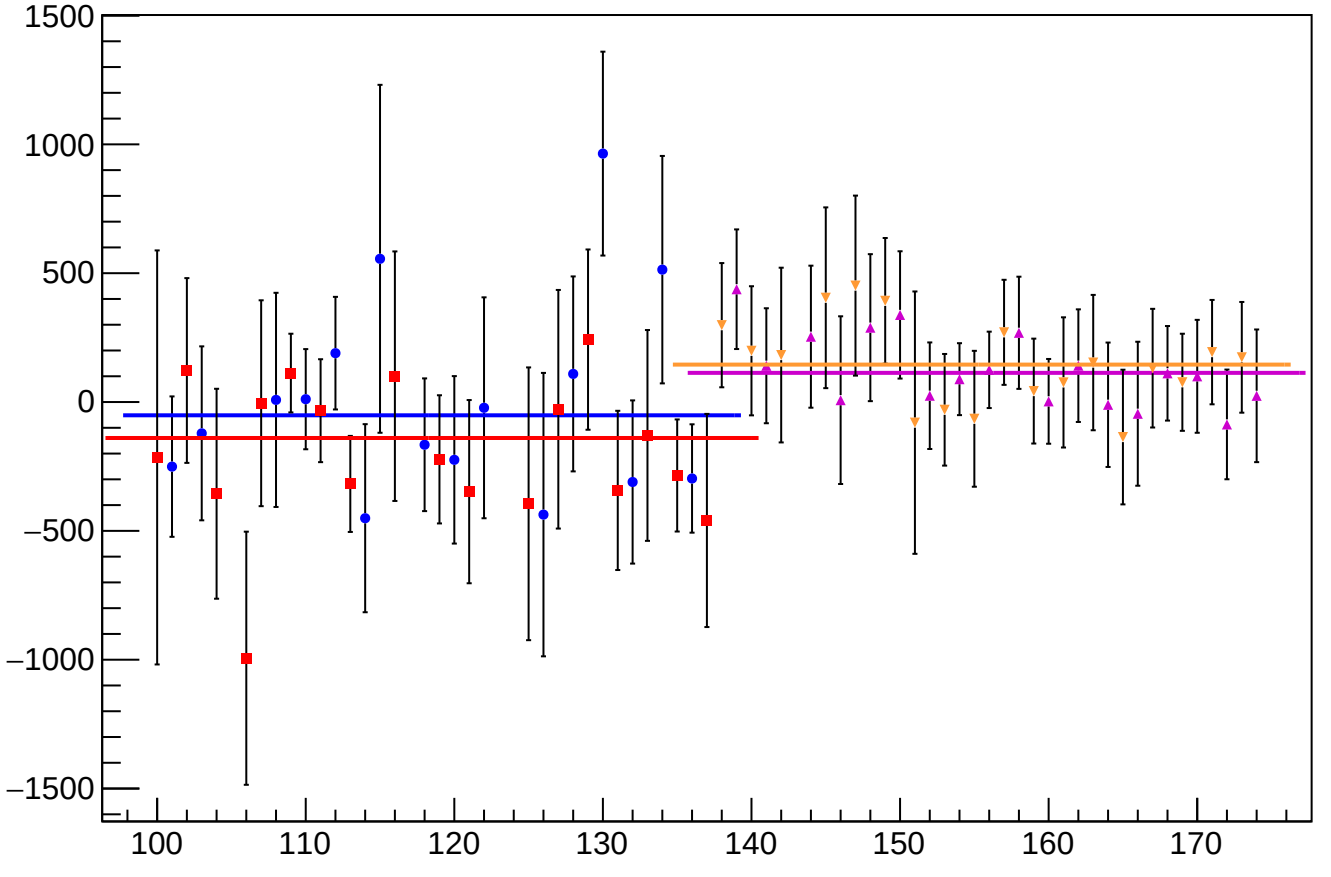
Left: 22.372+/-0.003 χ^2/NDF: 25387.5/35

Right: 22.499+/-0.004 χ^2/NDF: 31517.5/33

In: 22.405+/-0.003 χ^2/NDF:30521.7/33

Out: 22.424+/-0.003 χ^2/NDF:26989.2/35

All: 22.414+/-0.002 χ^2/NDF: 57527.3/69



Right In: -51.492+/-76.798 χ^2/NDF: 15.3/15

Left Out: 145.275+/-57.675 χ^2/NDF:6.4/17

Right Out: -139.546+/-68.888 χ^2/NDF: 11.6/17

Left In: 113.219+/-49.579 χ^2/NDF:6.3/17

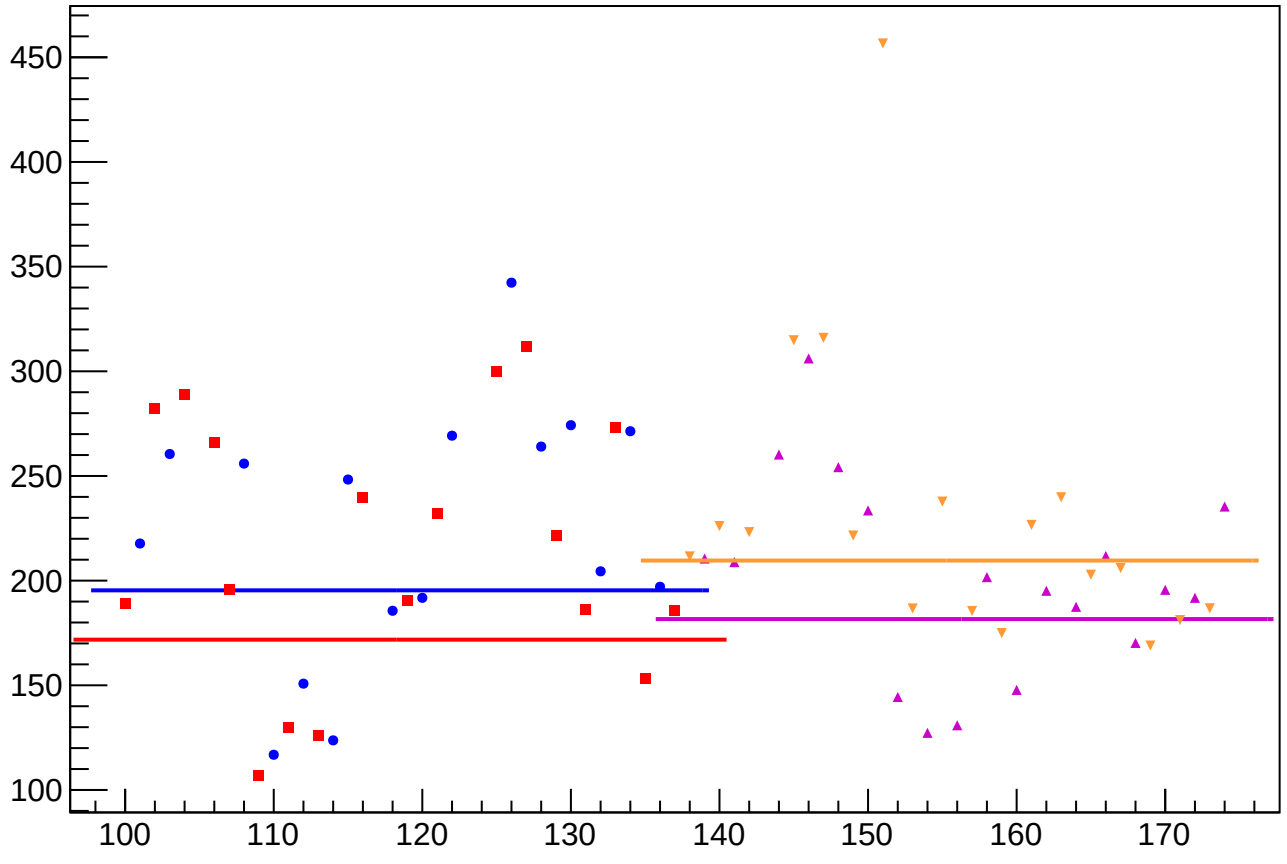
Left: 126.841+/-37.597 χ^2/NDF: 12.9/35

Right: -100.285+/-51.280 χ^2/NDF: 27.6/33

In: 64.766+/-41.653 χ^2/NDF:24.9/33

Out: 27.904+/-44.222 χ^2/NDF:28.0/35

All: 47.436+/-30.321 χ^2/NDF: 53.3/69



Right In: 195.361+/-0.054 χ^2/NDF: 1041432.1/15

Left Out: 209.602+/-0.041 χ^2/NDF:1176599.1/17

Right Out: 171.805+/-0.049 χ^2/NDF: 1600663.6/17

Left In: 181.639+/-0.035 χ^2/NDF:1577402.7/17

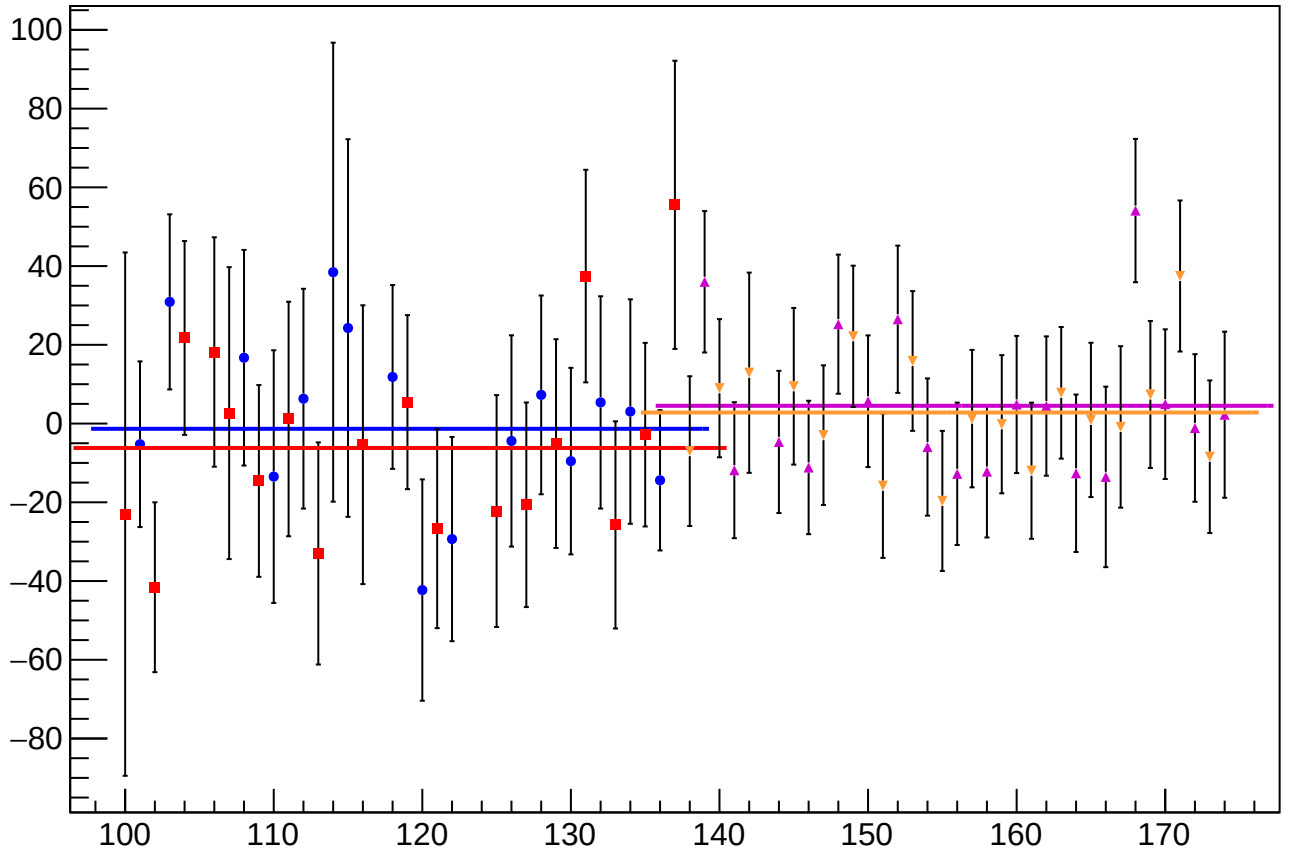
Left: 193.522+/-0.027 χ^2/NDF: 3024355.9/35

Right: 182.308+/-0.036 χ^2/NDF: 2746362.8/33

In: 185.676+/-0.029 χ^2/NDF:2663900.5/33

Out: 194.026+/-0.031 χ^2/NDF:3131236.3/35

All: 189.601+/-0.021 χ^2/NDF: 5832926.0/69



Right In: -1.331+/-6.499 χ^2/NDF: 8.0/15

Left Out: 2.810+/-4.370 χ^2/NDF:9.7/17

Right Out: -6.195+/-6.473 χ^2/NDF: 13.5/17

Left In: 4.513+/-4.290 χ^2/NDF:19.0/17

Left: 3.677+/-3.062 χ^2/NDF: 28.7/35

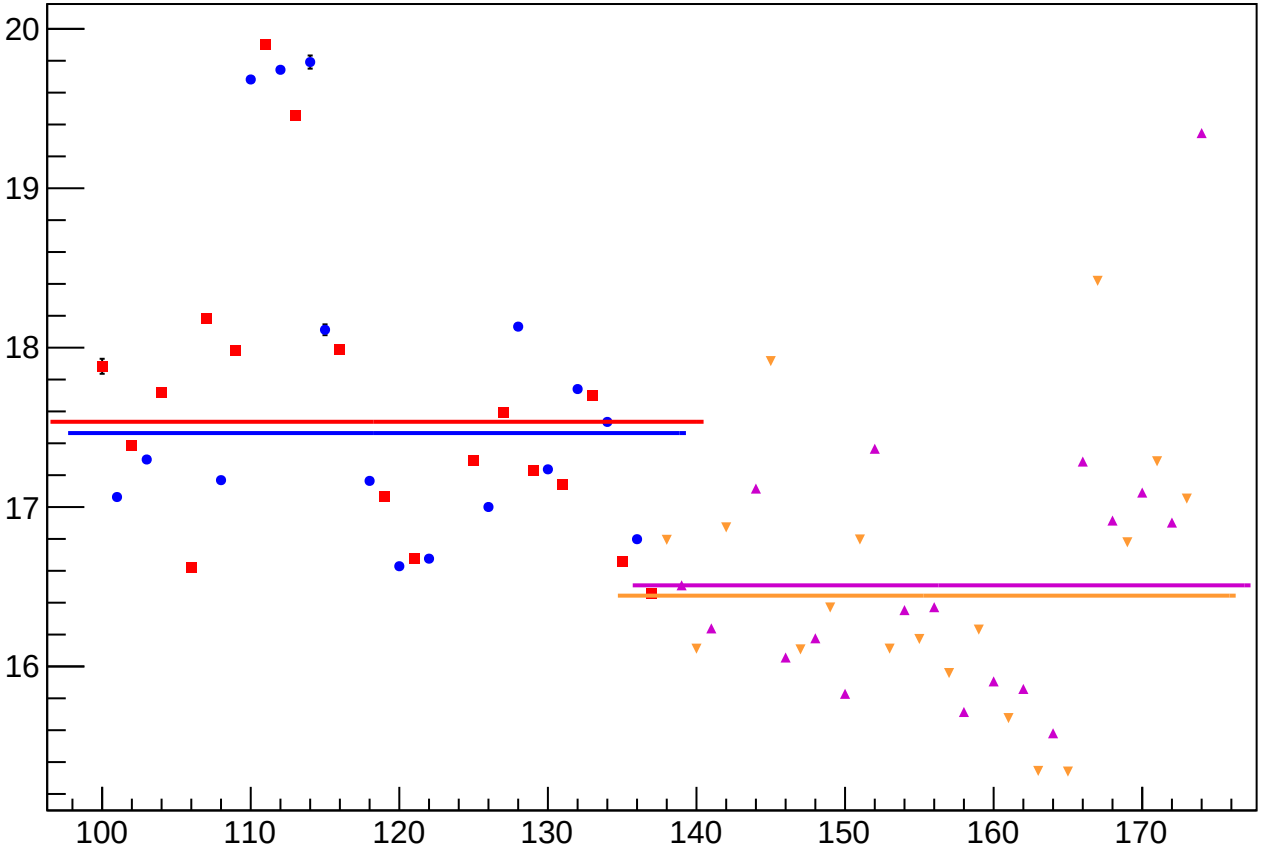
Right: -3.773+/-4.586 χ^2/NDF: 21.8/33

In: 2.739+/-3.580 χ^2/NDF:27.6/33

Out: -0.010+/-3.622 χ^2/NDF:24.4/35

All: 1.380+/-2.546 χ^2/NDF: 52.3/69

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.464+/-0.005 χ^2/NDF: 36650.1/15

Left Out: 16.444+/-0.003 χ^2/NDF:61391.1/17

Right Out: 17.535+/-0.005 χ^2/NDF: 34475.1/17

Left In: 16.509+/-0.003 χ^2/NDF:68798.1/17

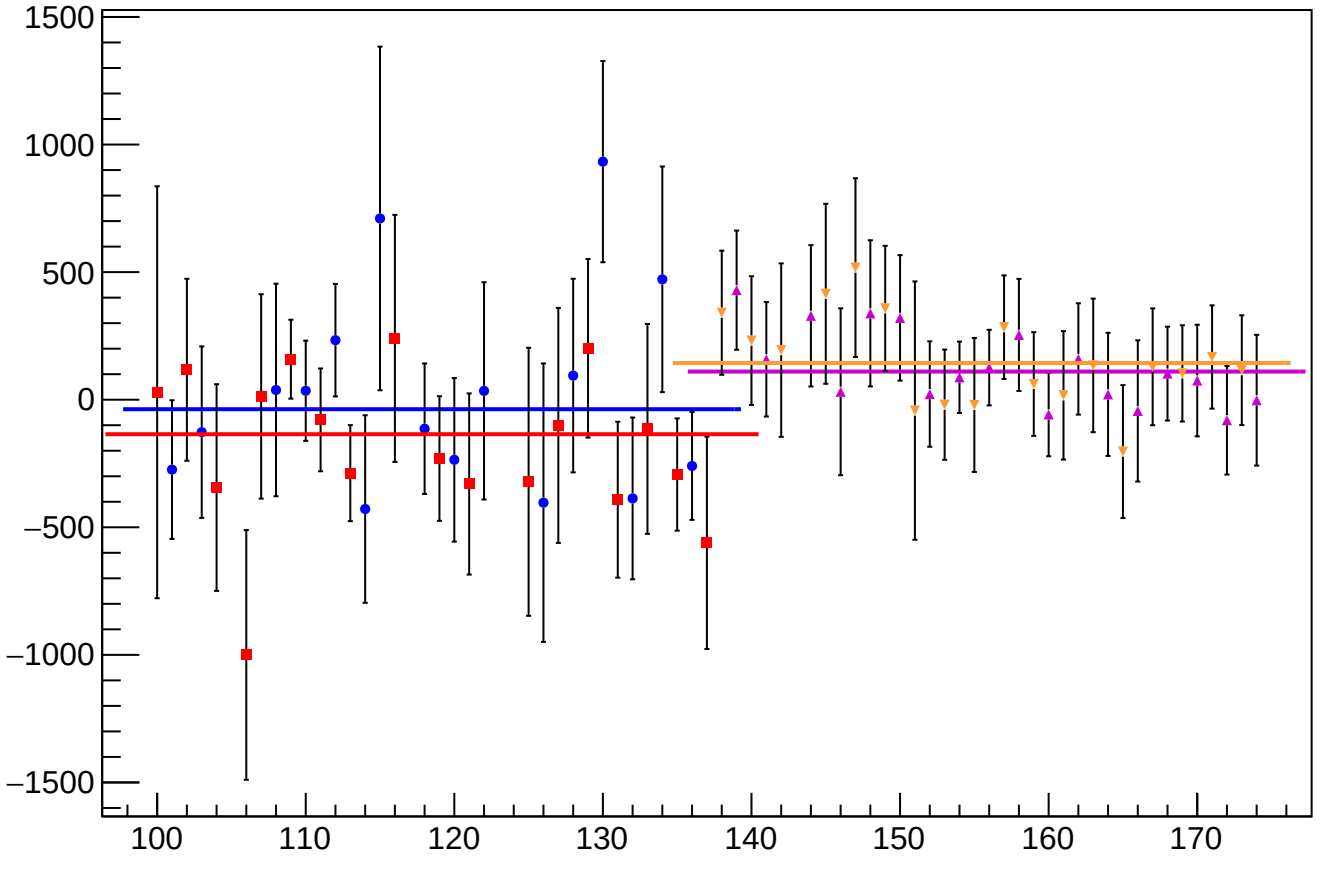
Left: 16.477+/-0.002 χ^2/NDF: 130412.4/35

Right: 17.500+/-0.003 χ^2/NDF: 71244.5/33

In: 16.799+/-0.003 χ^2/NDF:135548.7/33

Out: 16.786+/-0.003 χ^2/NDF:134885.0/35

All: 16.792+/-0.002 χ^2/NDF: 270447.0/69



Right In: -37.241+/-76.915 χ^2/NDF: 15.6/15

Left Out: 143.936+/-57.665 χ^2/NDF:7.1/17

Right Out: -135.279+/-69.157 χ^2/NDF: 12.8/17

Left In: 110.289+/-49.611 χ^2/NDF:7.2/17

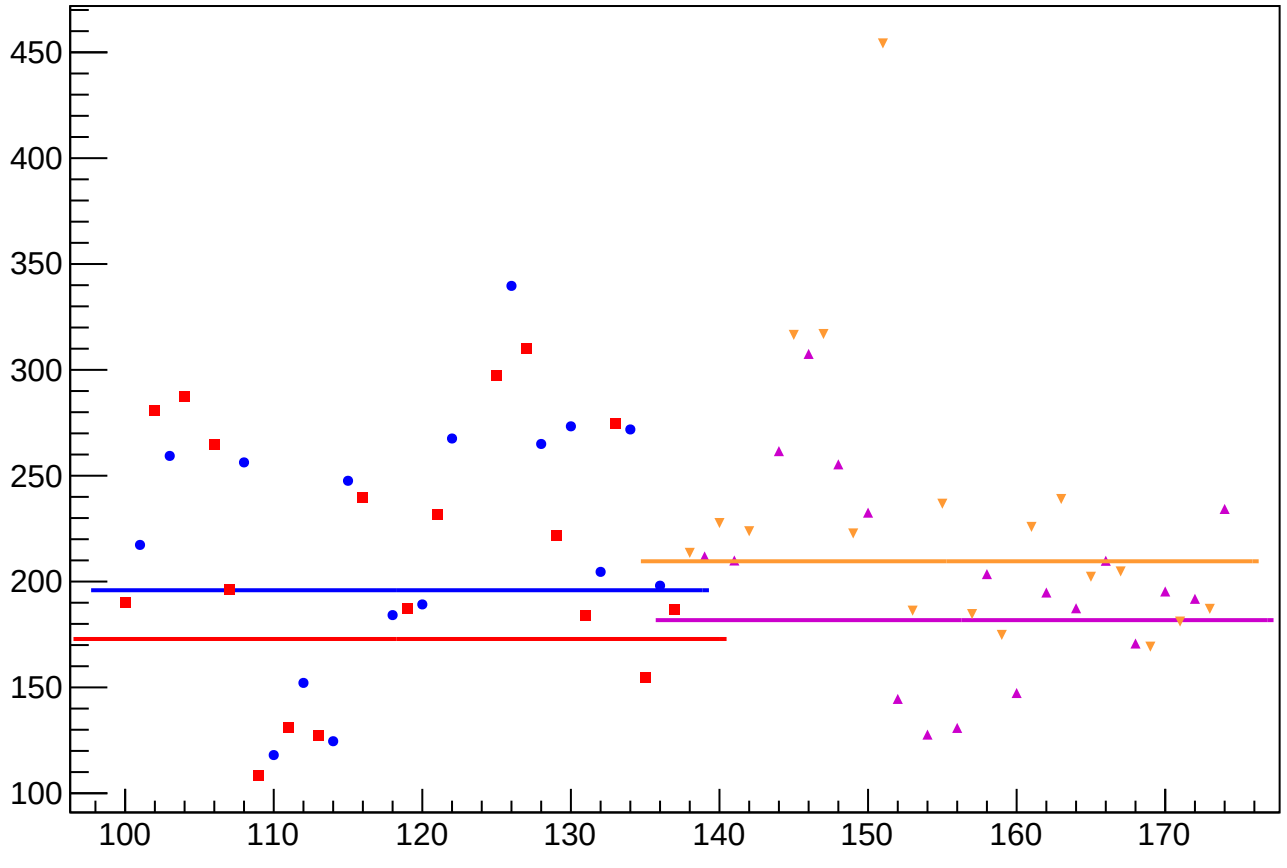
Left: 124.601+/-37.608 χ^2/NDF: 14.5/35

Right: -91.452+/-51.426 χ^2/NDF: 29.3/33

In: 66.943+/-41.691 χ^2/NDF:25.4/33

Out: 29.425+/-44.289 χ^2/NDF:29.6/35

All: 49.316+/-30.357 χ^2/NDF: 55.4/69



Right In: 195.900+/-0.054 χ^2/NDF: 1011012.3/15

Left Out: 209.580+/-0.041 χ^2/NDF:1181104.8/17

Right Out: 172.873+/-0.049 χ^2/NDF: 1543258.3/17

Left In: 181.779+/-0.035 χ^2/NDF:1583711.9/17

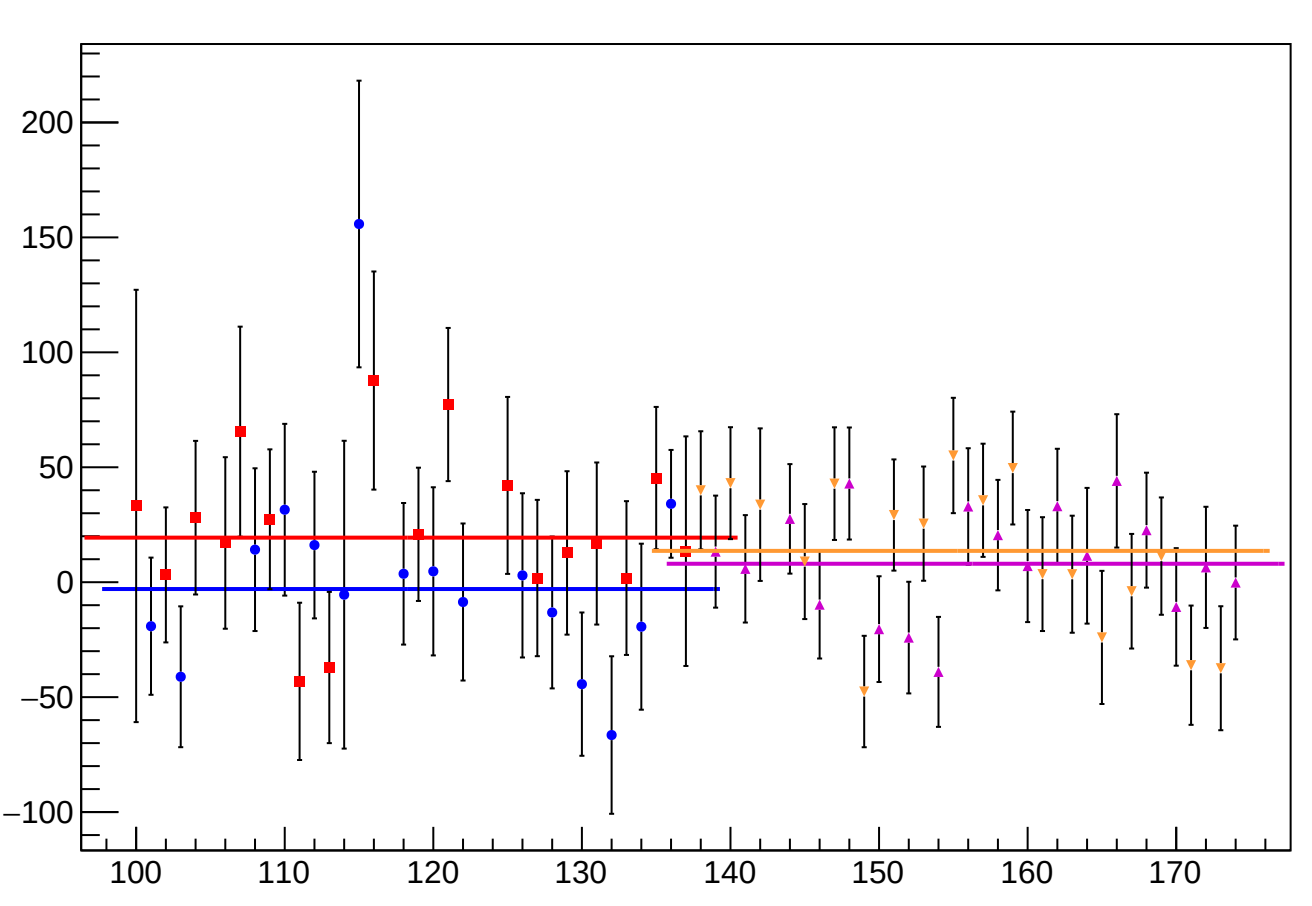
Left: 193.604+/-0.027 χ^2/NDF: 3031955.9/35

Right: 183.167+/-0.036 χ^2/NDF: 2653391.3/33

In: 185.928+/-0.029 χ^2/NDF:2642326.8/33

Out: 194.526+/-0.031 χ^2/NDF:3056734.9/35

All: 189.967+/-0.021 χ^2/NDF: 5739025.7/69



Right In: -2.967+/-8.454 χ^2/NDF: 17.9/15

Left Out: 13.630+/-6.011 χ^2/NDF:26.8/17

Right Out: 19.387+/-8.381 χ^2/NDF: 14.5/17

Left In: 8.024+/-5.849 χ^2/NDF:15.3/17

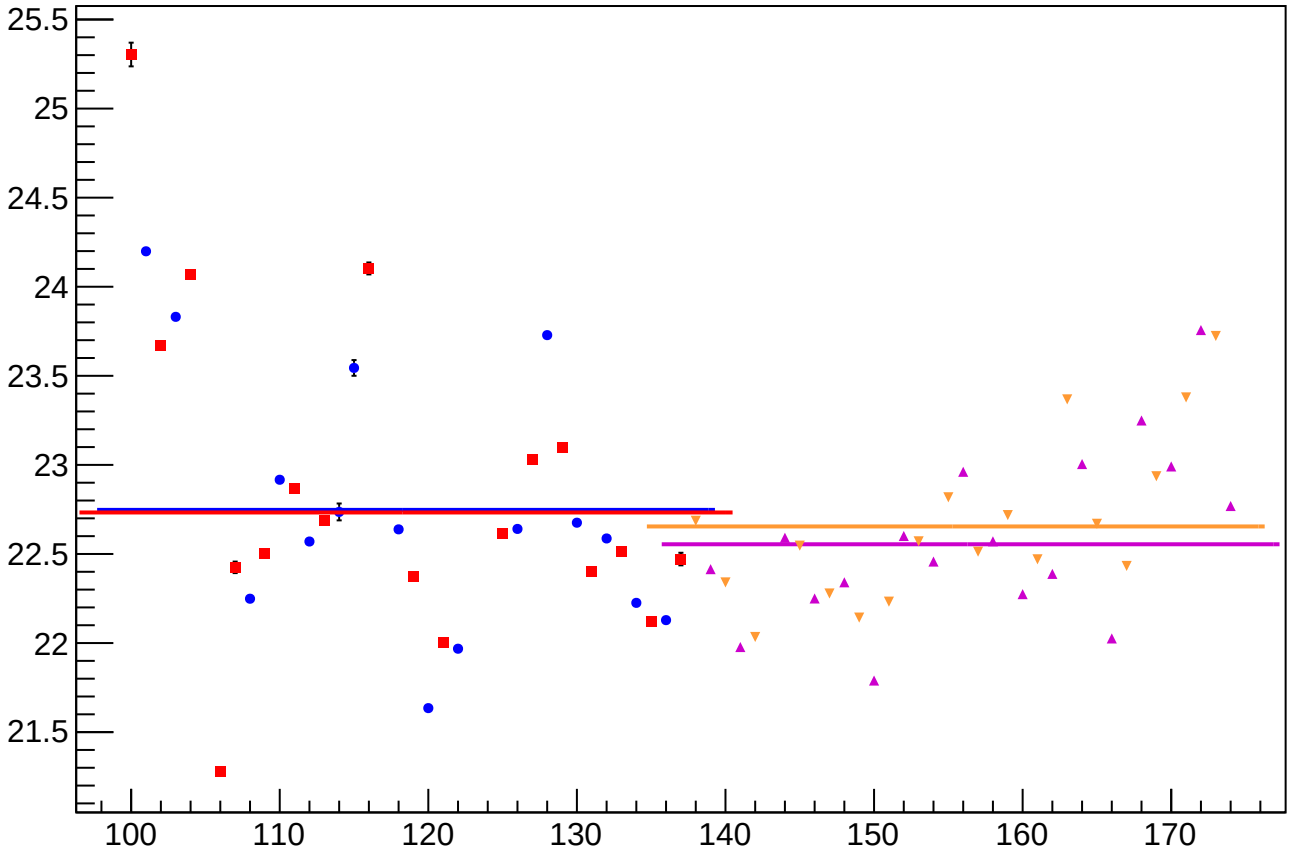
Left: 10.751+/-4.192 χ^2/NDF: 42.6/35

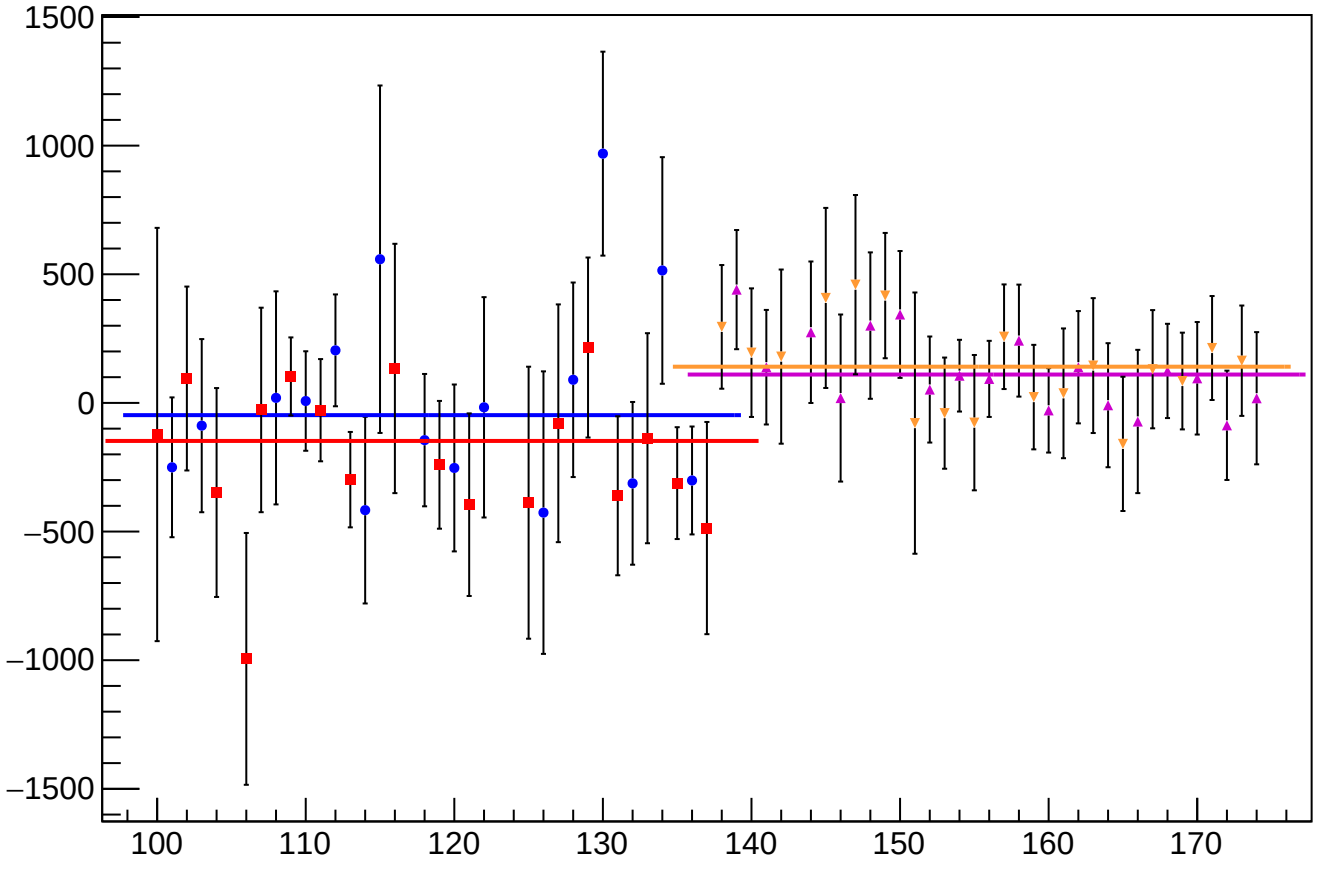
Right: 8.306+/-5.952 χ^2/NDF: 36.0/33

In: 4.466+/-4.810 χ^2/NDF:34.4/33

Out: 15.585+/-4.885 χ^2/NDF:41.7/35

All: 9.940+/-3.427 χ^2/NDF: 78.6/69


asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected
25.5
25
24.5
24
23.5
23
22.5
22
21.5
100
110
120
130
140
150
160
170
Right In: 22.747+/-0.006 χ²/NDF: 14622.8/15
Left Out: 22.654+/-0.004 χ²/NDF:10017.1/17
Right Out: 22.733+/-0.006 χ²/NDF: 14389.6/17
Left In: 22.554+/-0.004 χ²/NDF:12471.4/17
Left: 22.603+/-0.003 χ²/NDF: 22772.9/35
Right: 22.740+/-0.004 χ²/NDF: 29015.4/33
In: 22.617+/-0.003 χ²/NDF:27799.1/33
Out: 22.681+/-0.003 χ²/NDF:24522.4/35
All: 22.649+/-0.002 χ²/NDF: 52496.7/69



Right In: -47.523+/-76.571 χ^2/NDF: 15.4/15

Left Out: 140.764+/-57.550 χ^2/NDF:7.1/17

Right Out: -147.812+/-68.660 χ^2/NDF: 11.5/17

Left In: 110.281+/-49.483 χ^2/NDF:6.7/17

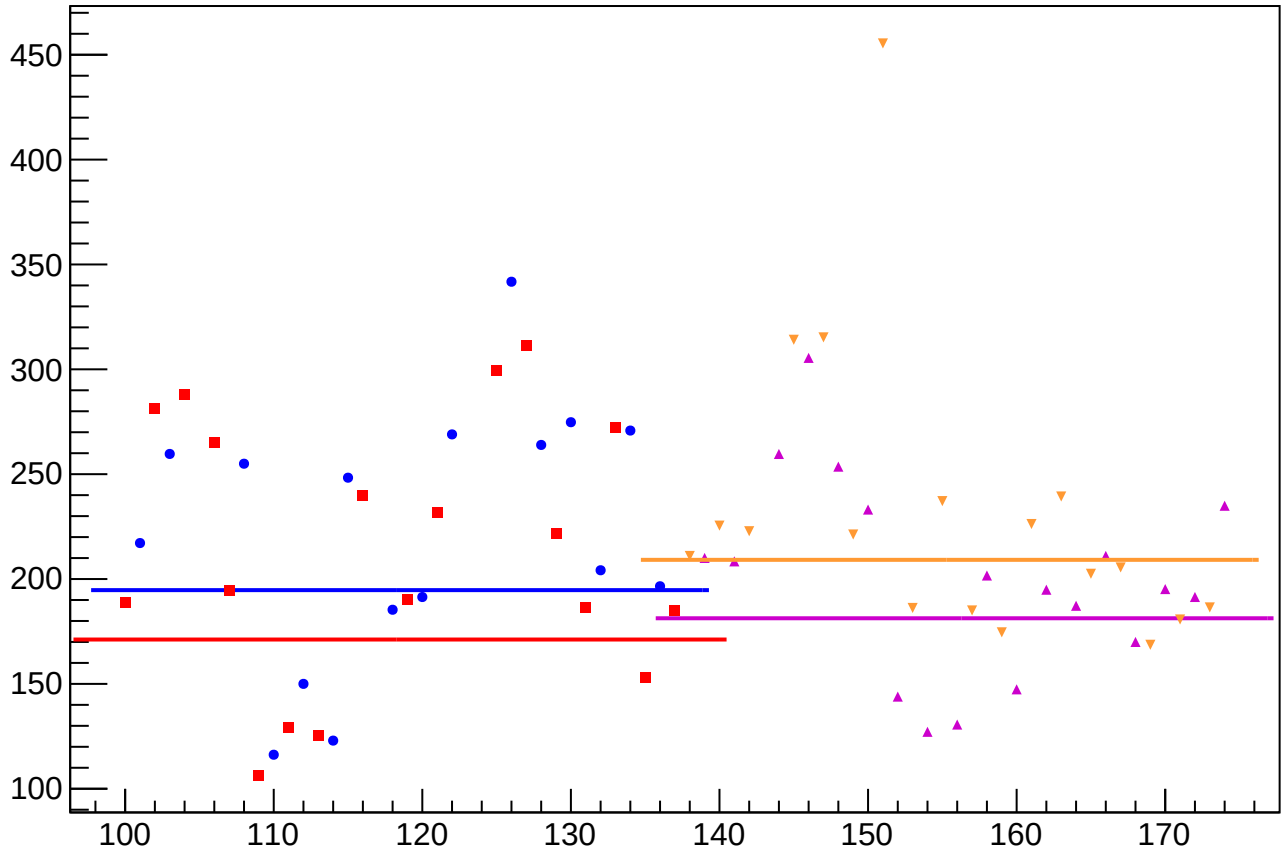
Left: 123.238+/-37.520 χ^2/NDF: 14.0/35

Right: -103.114+/-51.119 χ^2/NDF: 27.9/33

In: 63.793+/-41.560 χ^2/NDF:25.1/33

Out: 21.683+/-44.105 χ^2/NDF:29.0/35

All: 43.988+/-30.247 χ^2/NDF: 54.6/69



Right In: 194.708+/-0.054 χ^2/NDF: 1052288.9/15

Left Out: 209.152+/-0.041 χ^2/NDF:1176074.5/17

Right Out: 171.156+/-0.049 χ^2/NDF: 1611935.6/17

Left In: 181.289+/-0.035 χ^2/NDF:1577258.5/17

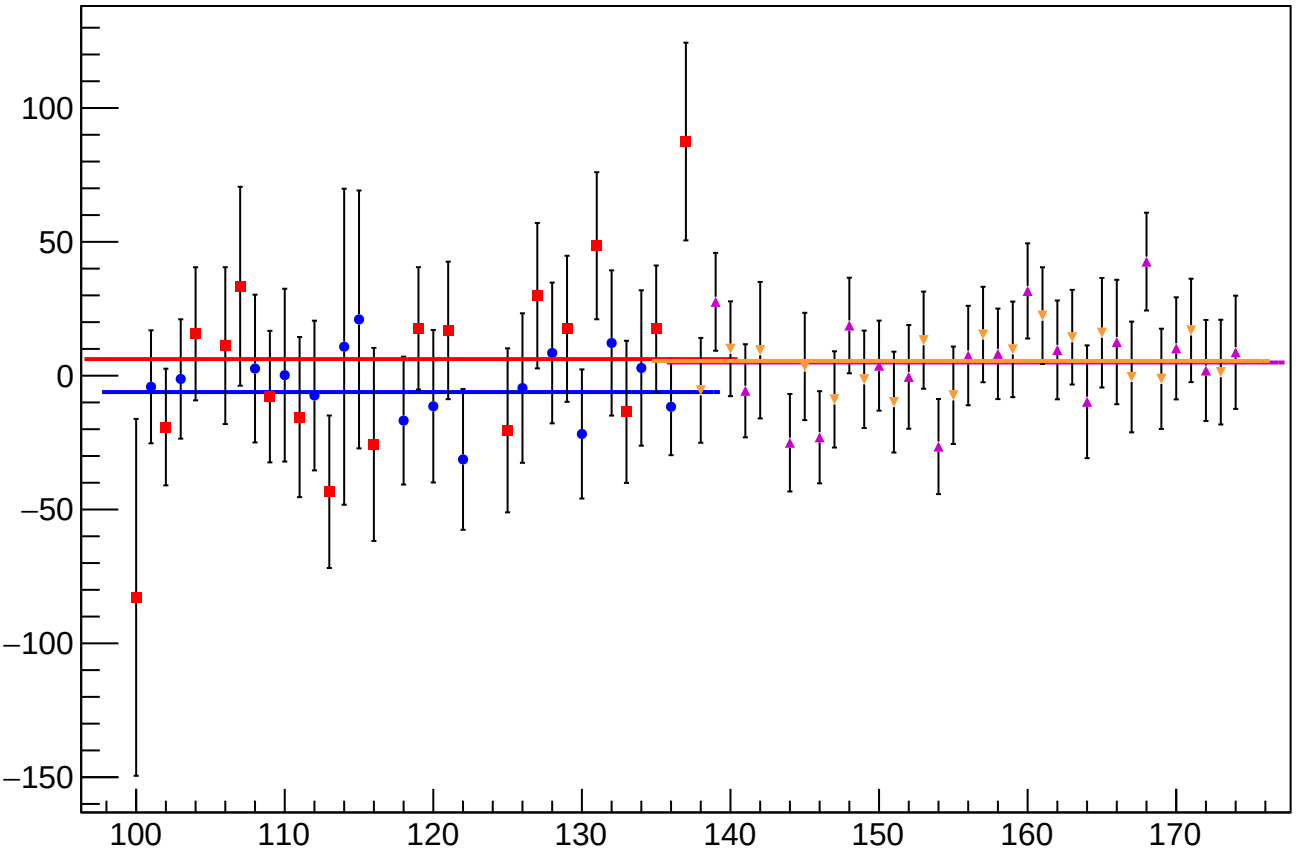
Left: 193.132+/-0.027 χ^2/NDF: 3022868.3/35

Right: 181.653+/-0.036 χ^2/NDF: 2769105.7/33

In: 185.242+/-0.029 χ^2/NDF:2672877.1/33

Out: 193.473+/-0.031 χ^2/NDF:3147746.4/35

All: 189.113+/-0.021 χ^2/NDF: 5857517.6/69



Right In: -6.119+/-6.592 χ^2/NDF: 3.1/15

Left Out: 5.507+/-4.462 χ^2/NDF:4.9/17

Right Out: 6.195+/-6.580 χ^2/NDF: 18.6/17

Left In: 4.919+/-4.361 χ^2/NDF:18.4/17

Left: 5.206+/-3.119 χ^2/NDF: 23.3/35

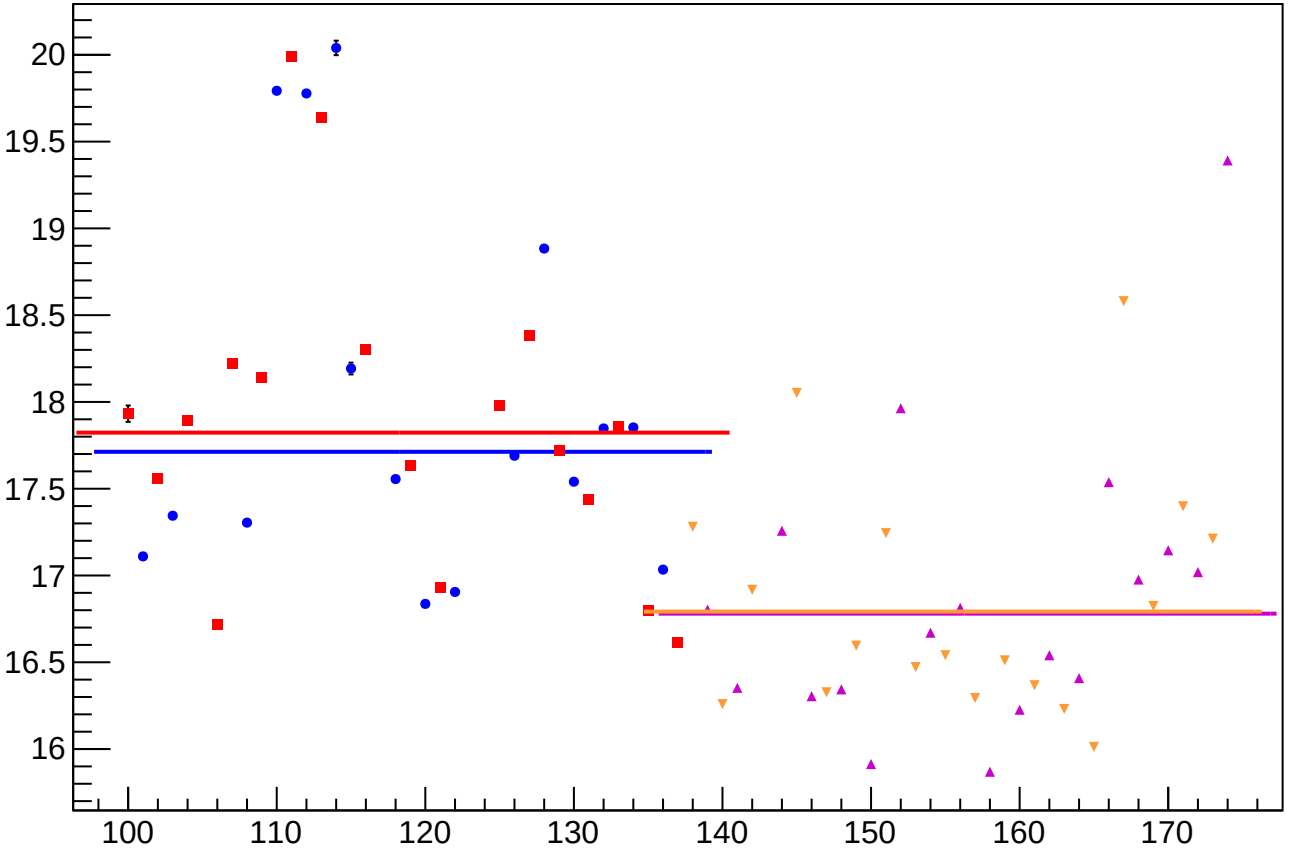
Right: 0.049+/-4.657 χ^2/NDF: 23.5/33

In: 1.559+/-3.637 χ^2/NDF:23.5/33

Out: 5.723+/-3.693 χ^2/NDF:23.5/35

All: 3.609+/-2.591 χ^2/NDF: 47.7/69

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 17.713+/-0.005 χ^2/NDF: 35983.5/15

Left Out: 16.792+/-0.003 χ^2/NDF:40668.1/17

Right Out: 17.823+/-0.005 χ^2/NDF: 32502.9/17

Left In: 16.780+/-0.003 χ^2/NDF:60780.3/17

Left: 16.786+/-0.002 χ^2/NDF: 101455.9/35

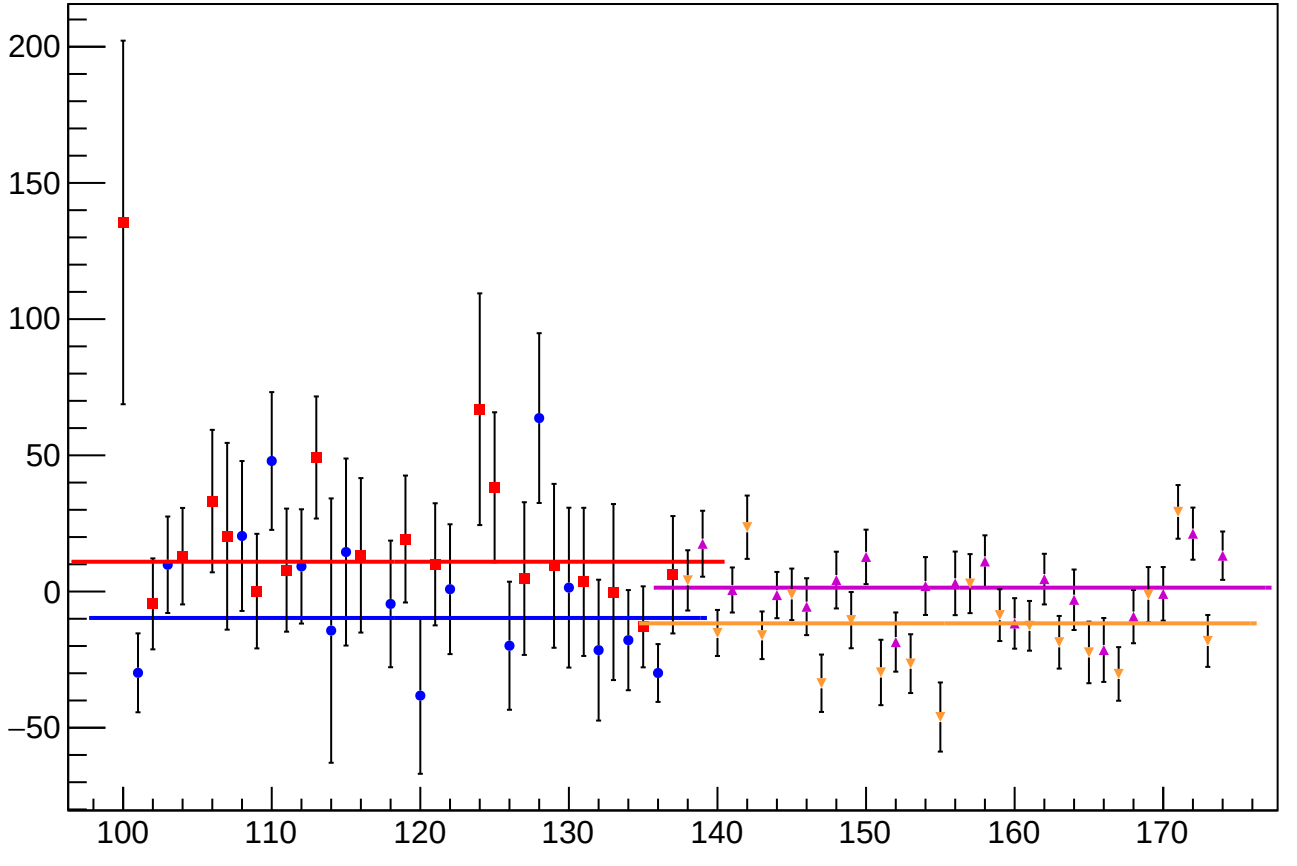
Right: 17.768+/-0.003 χ^2/NDF: 68768.1/33

In: 17.064+/-0.003 χ^2/NDF:124602.2/33

Out: 17.117+/-0.003 χ^2/NDF:106802.5/35

All: 17.090+/-0.002 χ^2/NDF: 231613.3/69

diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected



Right In: -9.702+/-5.231 χ^2/NDF: 22.0/15

Left Out: -11.681+/-2.322 χ^2/NDF:54.5/18

Right Out: 10.938+/-5.436 χ^2/NDF: 14.1/18

Left In: 1.417+/-2.342 χ^2/NDF:21.5/17

Left: -5.190+/-1.649 χ^2/NDF: 91.7/36

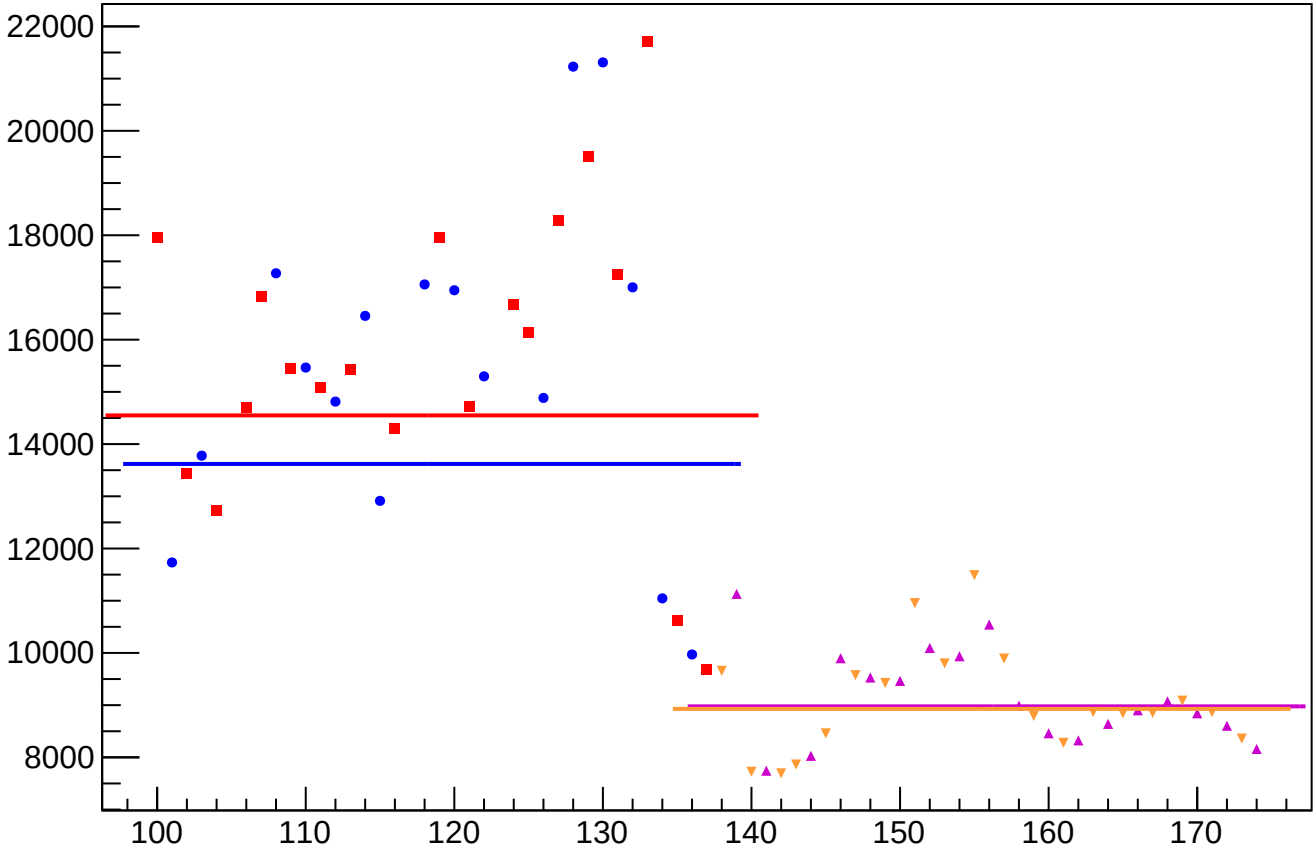
Right: 0.222+/-3.769 χ^2/NDF: 43.6/34

In: -0.440+/-2.138 χ^2/NDF:47.2/33

Out: -8.192+/-2.135 χ^2/NDF:83.2/37

All: -4.321+/-1.511 χ^2/NDF: 137.0/71

diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected



Right In: 13619.845+/-3.699 χ^2/NDF: 746985.9/15

Left Out: 8928.724+/-1.642 χ^2/NDF:304517.3/18

Right Out: 14549.658+/-3.844 χ^2/NDF: 555902.2/18

Left In: 8976.908+/-1.656 χ^2/NDF:270535.6/17

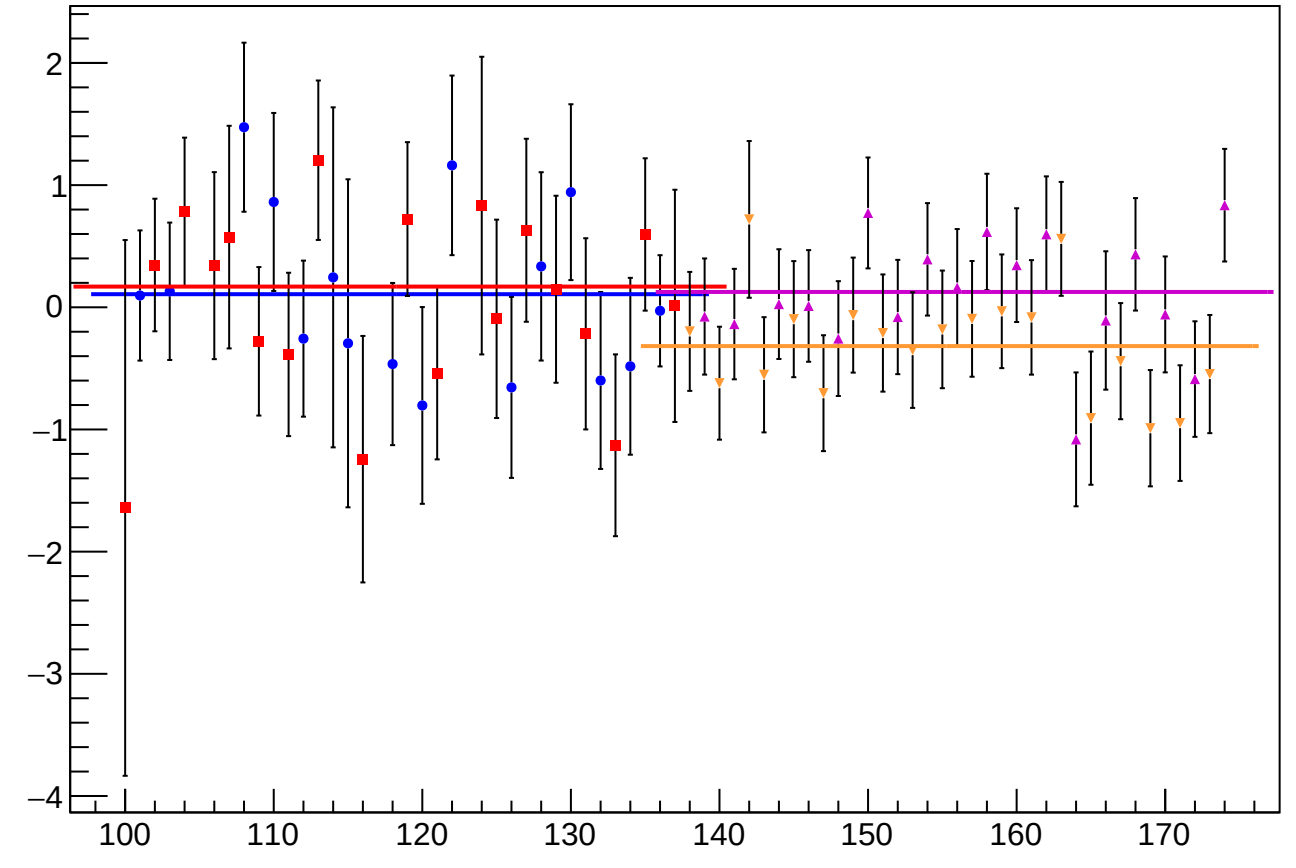
Left: 8952.604+/-1.166 χ^2/NDF: 575479.7/36

Right: 14066.907+/-2.665 χ^2/NDF: 1333265.9/34

In: 9752.257+/-1.512 χ^2/NDF:2329805.1/33

Out: 9795.857+/-1.510 χ^2/NDF:2668797.3/37

All: 9774.084+/-1.068 χ^2/NDF: 4999018.9/71



Right In: 0.107+/-0.172 χ^2/NDF: 13.7/15

Left Out: -0.318+/-0.111 χ^2/NDF:14.3/18

Right Out: 0.169+/-0.169 χ^2/NDF: 14.1/18

Left In: 0.126+/-0.112 χ^2/NDF:16.4/17

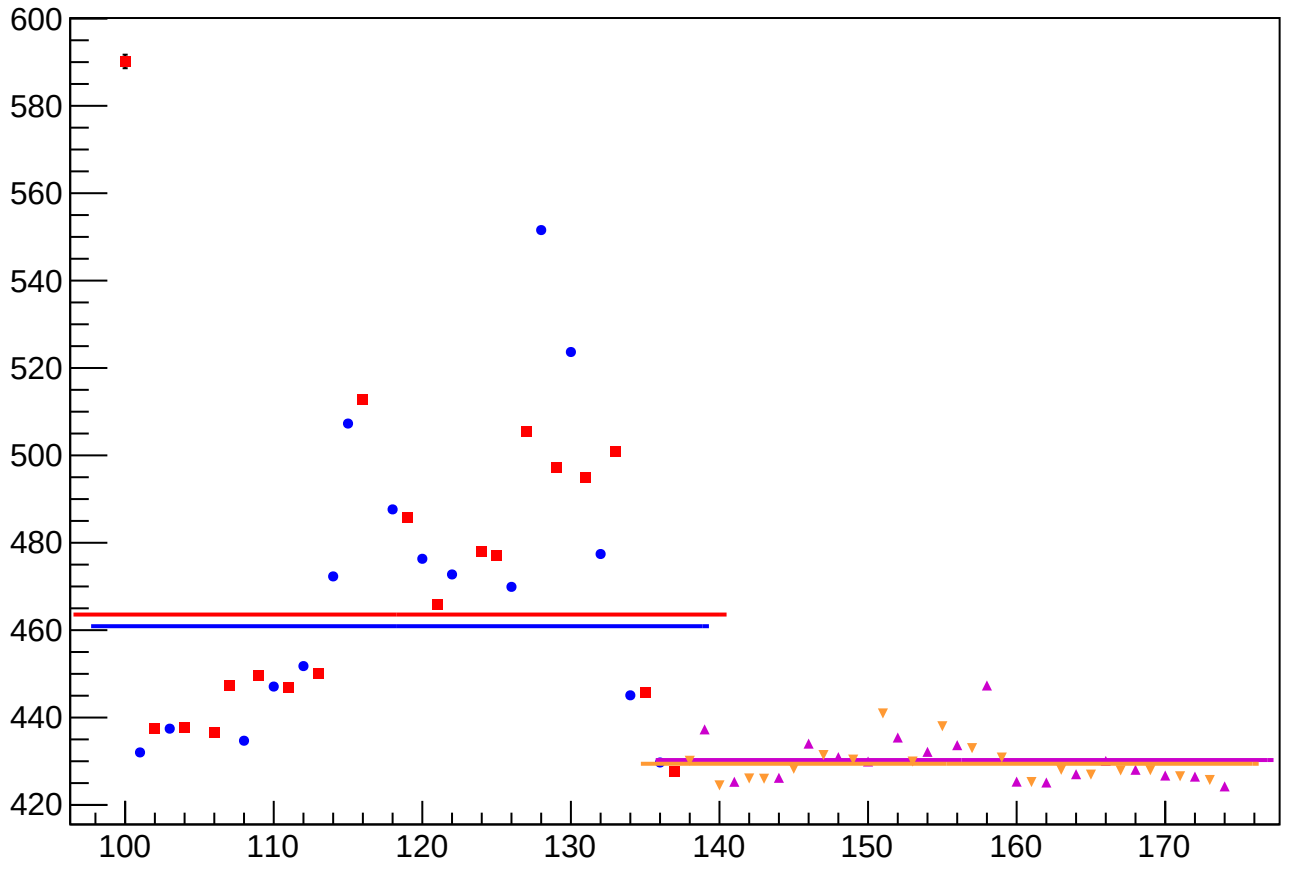
Left: -0.098+/-0.079 χ^2/NDF: 38.6/36

Right: 0.139+/-0.121 χ^2/NDF: 27.8/34

In: 0.120+/-0.094 χ^2/NDF:30.1/33

Out: -0.172+/-0.093 χ^2/NDF:34.2/37

All: -0.027+/-0.066 χ^2/NDF: 69.2/71



Right In: 460.906+/-0.121 χ^2/NDF: 74930.1/15

Left Out: 429.425+/-0.078 χ^2/NDF:2821.9/18

Right Out: 463.573+/-0.120 χ^2/NDF: 52175.6/18

Left In: 430.277+/-0.079 χ^2/NDF:5086.1/17

Left: 429.848+/-0.056 χ^2/NDF: 7966.7/36

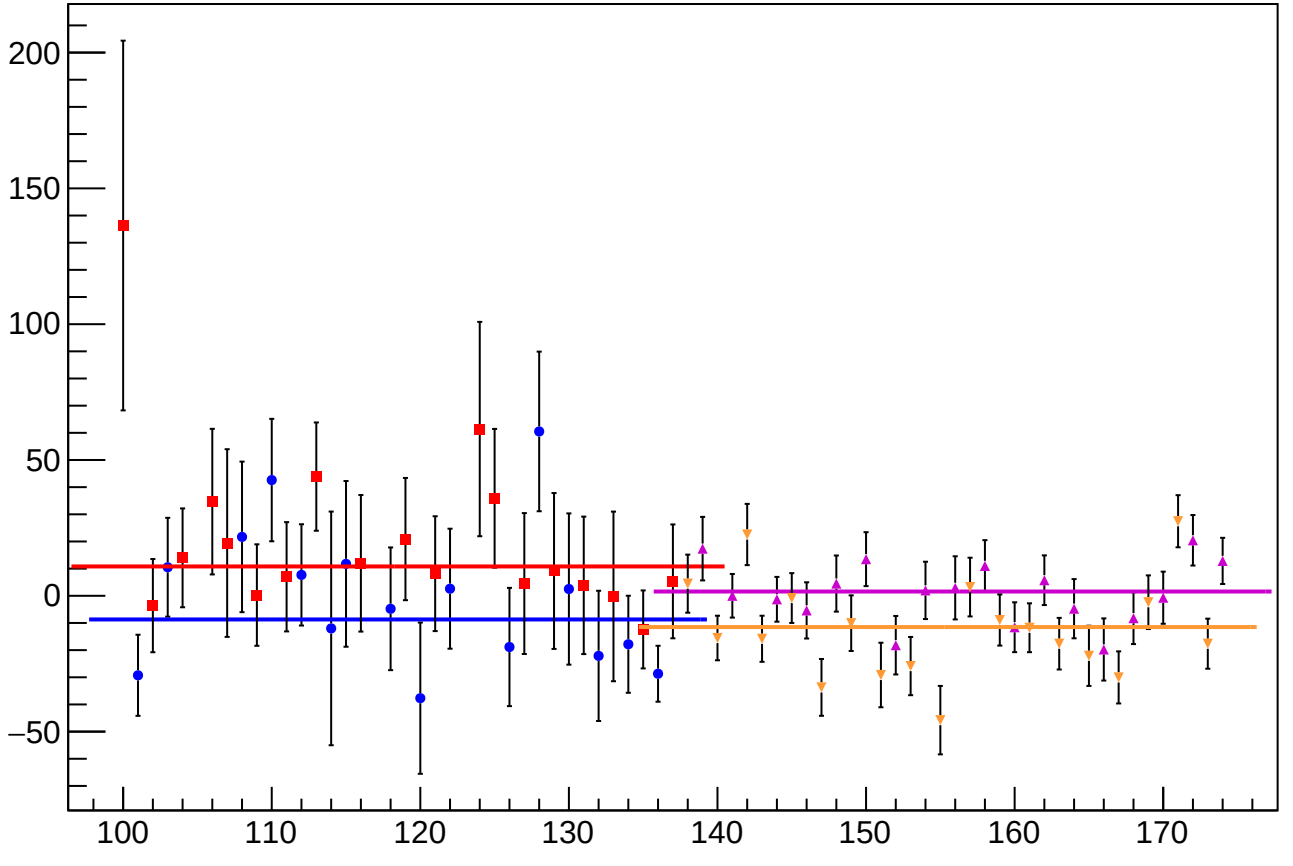
Right: 462.257+/-0.085 χ^2/NDF: 127350.1/34

In: 439.367+/-0.066 χ^2/NDF:124768.9/33

Out: 439.648+/-0.066 χ^2/NDF:111912.1/37

All: 439.509+/-0.047 χ^2/NDF: 236690.1/71

diff_bpm_4aX_4eX_avg_mean vs Slug, Sign Corrected



Right In: -8.707+/-5.036 χ^2/NDF: 22.3/15

Left Out: -11.502+/-2.275 χ^2/NDF:53.9/18

Right Out: 10.807+/-5.192 χ^2/NDF: 13.9/18

Left In: 1.577+/-2.296 χ^2/NDF:21.4/17

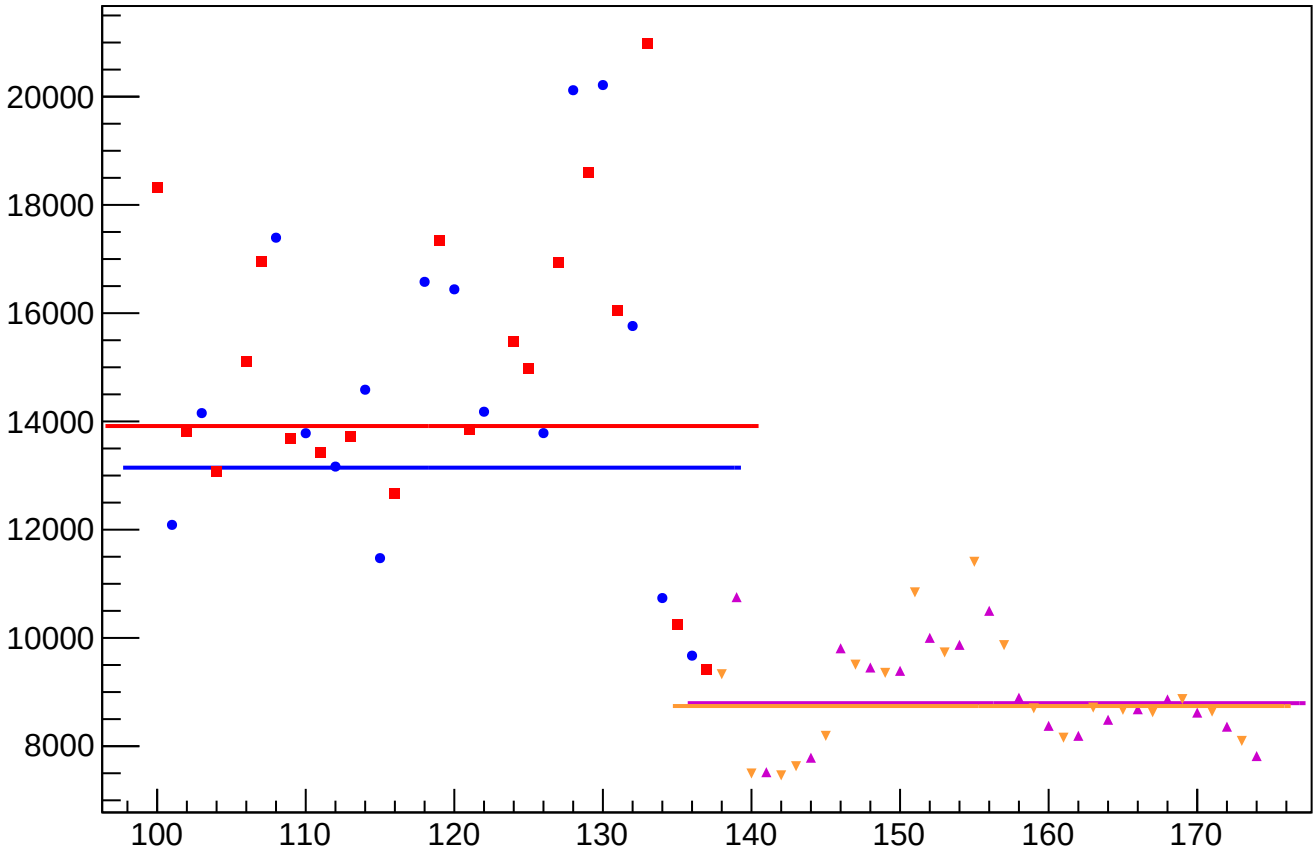
Left: -5.023+/-1.616 χ^2/NDF: 91.7/36

Right: 0.753+/-3.615 χ^2/NDF: 43.4/34

In: -0.193+/-2.089 χ^2/NDF:47.1/33

Out: -7.908+/-2.084 χ^2/NDF:83.3/37

All: -4.061+/-1.475 χ^2/NDF: 137.3/71



Right In: 13145.853+/-3.561 χ^2/NDF: 682620.1/15

Left Out: 8741.962+/-1.609 χ^2/NDF:347397.1/18

Right Out: 13914.770+/-3.671 χ^2/NDF: 511000.7/18

Left In: 8794.924+/-1.624 χ^2/NDF:306507.3/17

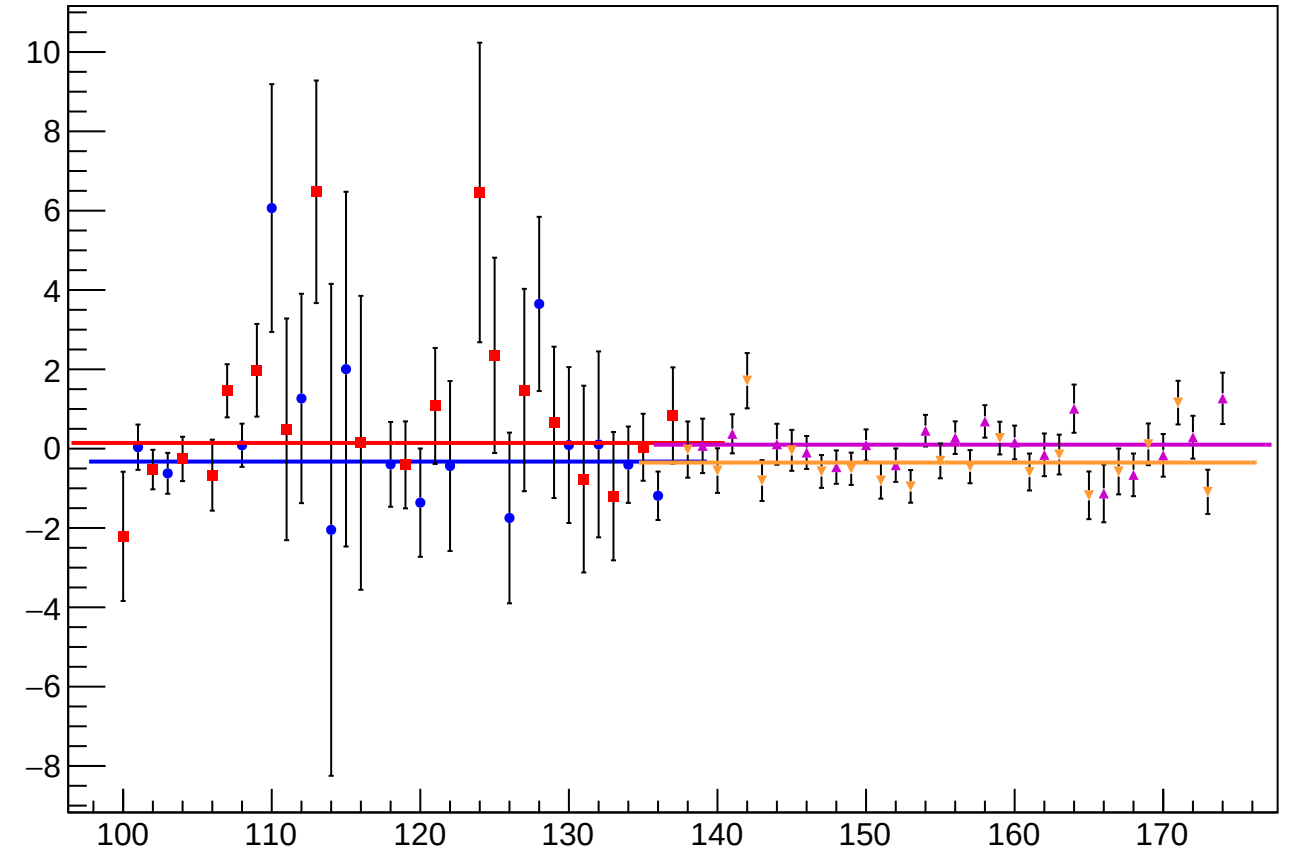
Left: 8768.197+/-1.143 χ^2/NDF: 654441.3/36

Right: 13518.600+/-2.556 χ^2/NDF: 1216225.3/34

In: 9543.847+/-1.477 χ^2/NDF:2225156.3/33

Out: 9575.265+/-1.473 χ^2/NDF:2524117.9/37

All: 9559.598+/-1.043 χ^2/NDF: 4749500.9/71



Right In: -0.326+/-0.244 χ^2/NDF: 12.6/15

Left Out: -0.351+/-0.113 χ^2/NDF:28.6/18

Right Out: 0.144+/-0.244 χ^2/NDF: 22.5/18

Left In: 0.100+/-0.113 χ^2/NDF:17.8/17

Left: -0.126+/-0.080 χ^2/NDF: 54.4/36

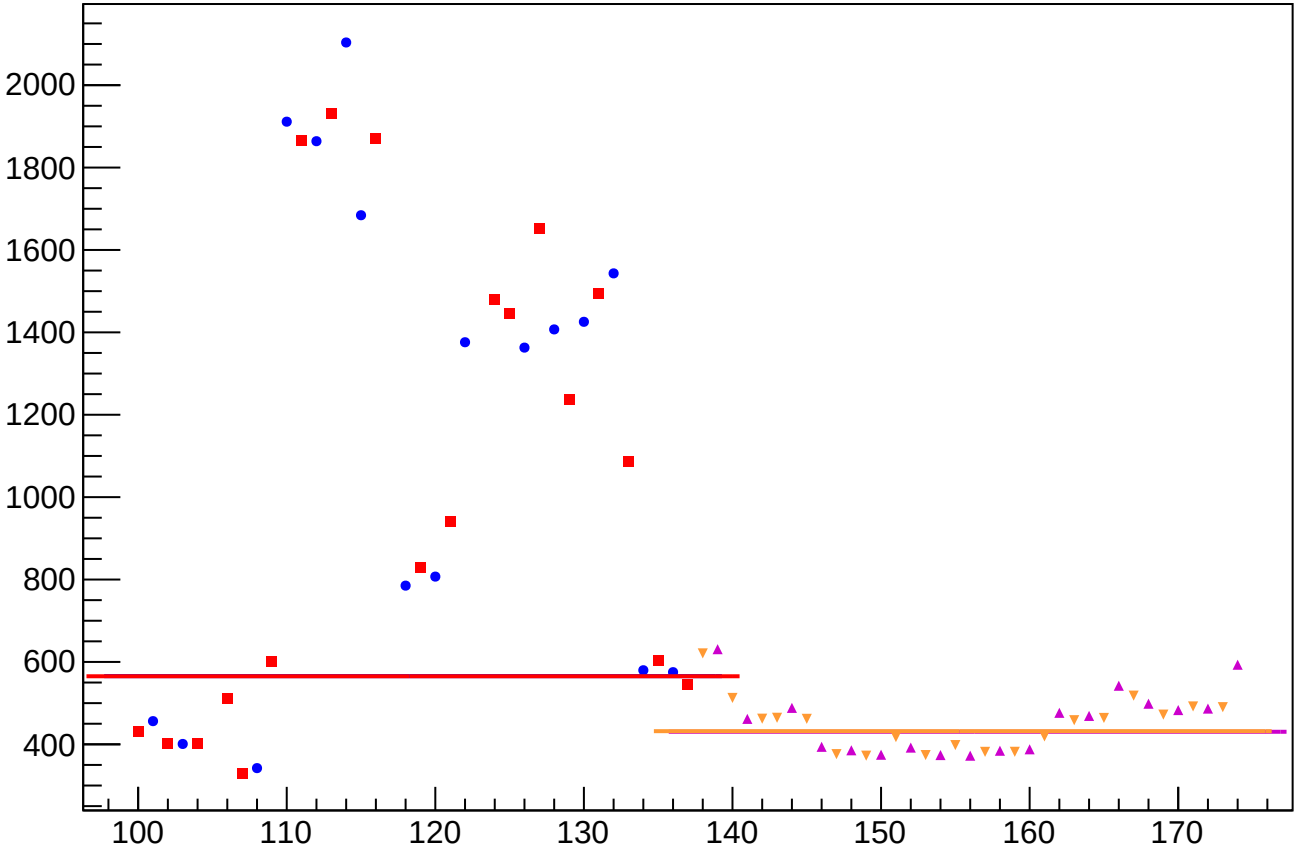
Right: -0.091+/-0.173 χ^2/NDF: 36.9/34

In: 0.025+/-0.103 χ^2/NDF:32.9/33

Out: -0.264+/-0.102 χ^2/NDF:54.5/37

All: -0.120+/-0.073 χ^2/NDF: 91.3/71

diff_bpm_4aX_4eX_dd_rms vs Slug, Sign Corrected



Right In: 565.531+/-0.173 χ^2/NDF: 3450533.8/15

Left Out: 431.950+/-0.080 χ^2/NDF:507165.1/18

Right Out: 565.223+/-0.173 χ^2/NDF: 3571620.7/18

Left In: 430.489+/-0.080 χ^2/NDF:692703.2/17

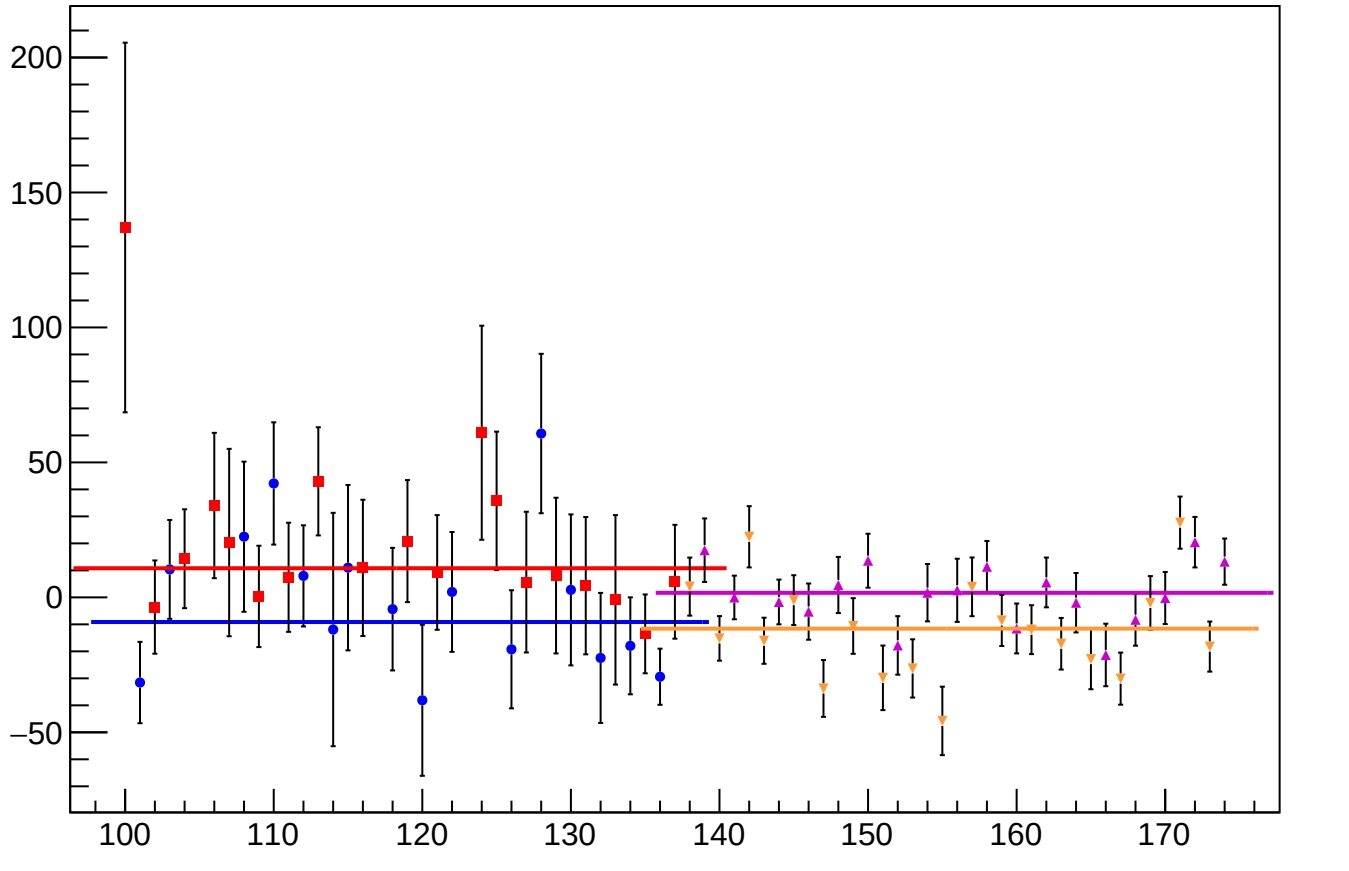
Left: 431.223+/-0.057 χ^2/NDF: 1200035.5/36

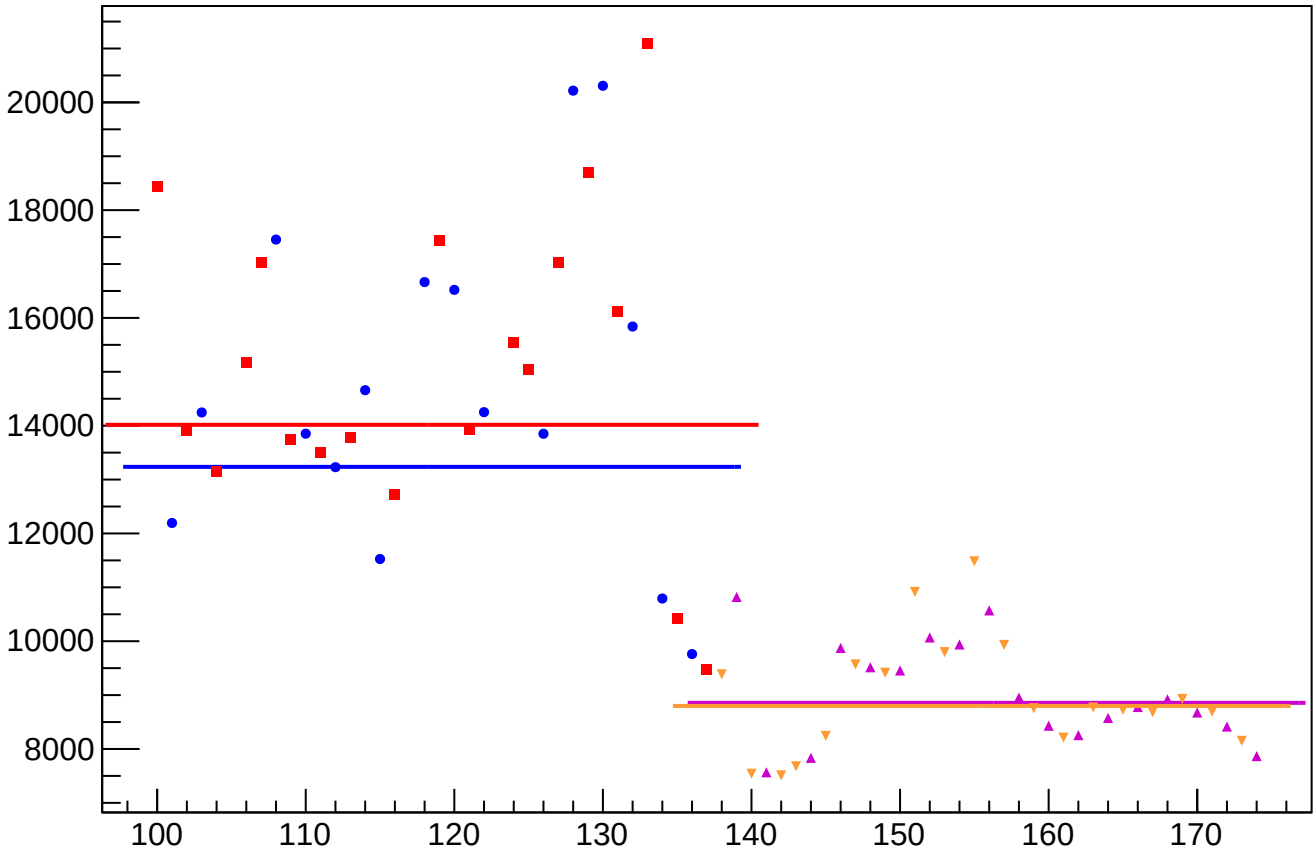
Right: 565.377+/-0.122 χ^2/NDF: 7022156.1/34

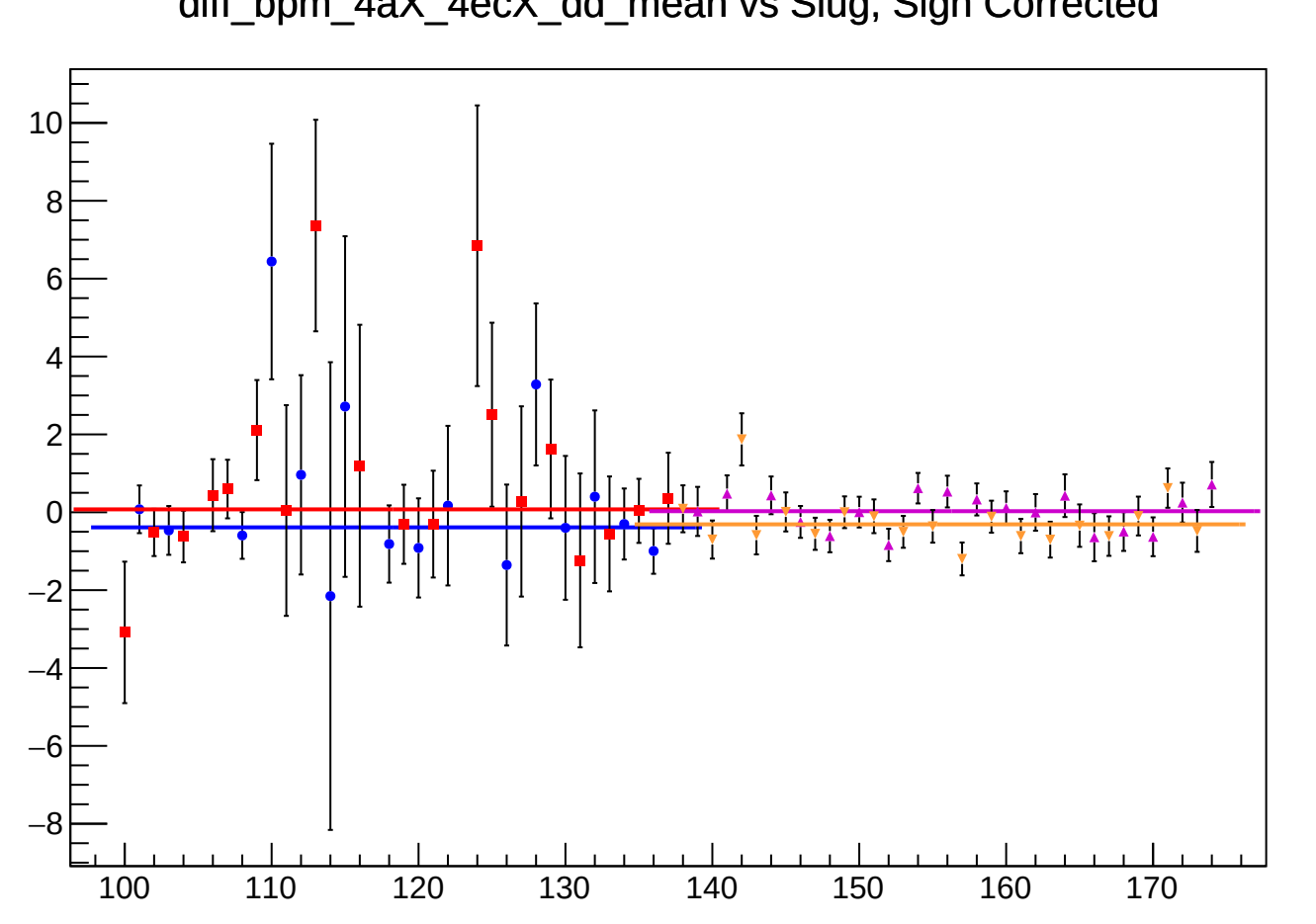
In: 454.419+/-0.073 χ^2/NDF:4646776.2/33

Out: 455.358+/-0.072 χ^2/NDF:4569175.8/37

All: 454.890+/-0.051 χ^2/NDF: 9216035.8/71


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: -11.583+/-2.290 χ²/NDF:53.9/18
Right Out: 10.788+/-5.227 χ²/NDF: 13.7/18
Left In: 1.684+/-2.312 χ²/NDF:21.5/17
Left: -5.014+/-1.627 χ²/NDF: 92.0/36
Right: 0.523+/-3.639 χ²/NDF: 43.9/34
In: -0.179+/-2.104 χ²/NDF:48.0/33
Out: -7.982+/-2.097 χ²/NDF:83.0/37
All: -4.092+/-1.485 χ²/NDF: 137.8/71


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 13235.828+/-3.585 χ²/NDF: 673887.0/15
Left Out: 8798.729+/-1.619 χ²/NDF:347988.2/18
Right Out: 14016.035+/-3.696 χ²/NDF: 498592.9/18
Left In: 8856.182+/-1.635 χ²/NDF:306342.8/17
Left: 8827.175+/-1.150 χ²/NDF: 654954.4/36
Right: 13613.950+/-2.573 χ²/NDF: 1195440.4/34
In: 9610.482+/-1.488 χ²/NDF:2215978.7/33
Out: 9638.635+/-1.483 χ²/NDF:2518126.3/37
All: 9624.601+/-1.050 χ²/NDF: 4734284.6/71



Right In: -0.388+/-0.256 χ^2/NDF: 11.7/15

Left Out: -0.310+/-0.108 χ^2/NDF:23.7/18

Right Out: 0.075+/-0.265 χ^2/NDF: 21.7/18

Left In: 0.028+/-0.109 χ^2/NDF:19.3/17

Left: -0.143+/-0.077 χ^2/NDF: 47.9/36

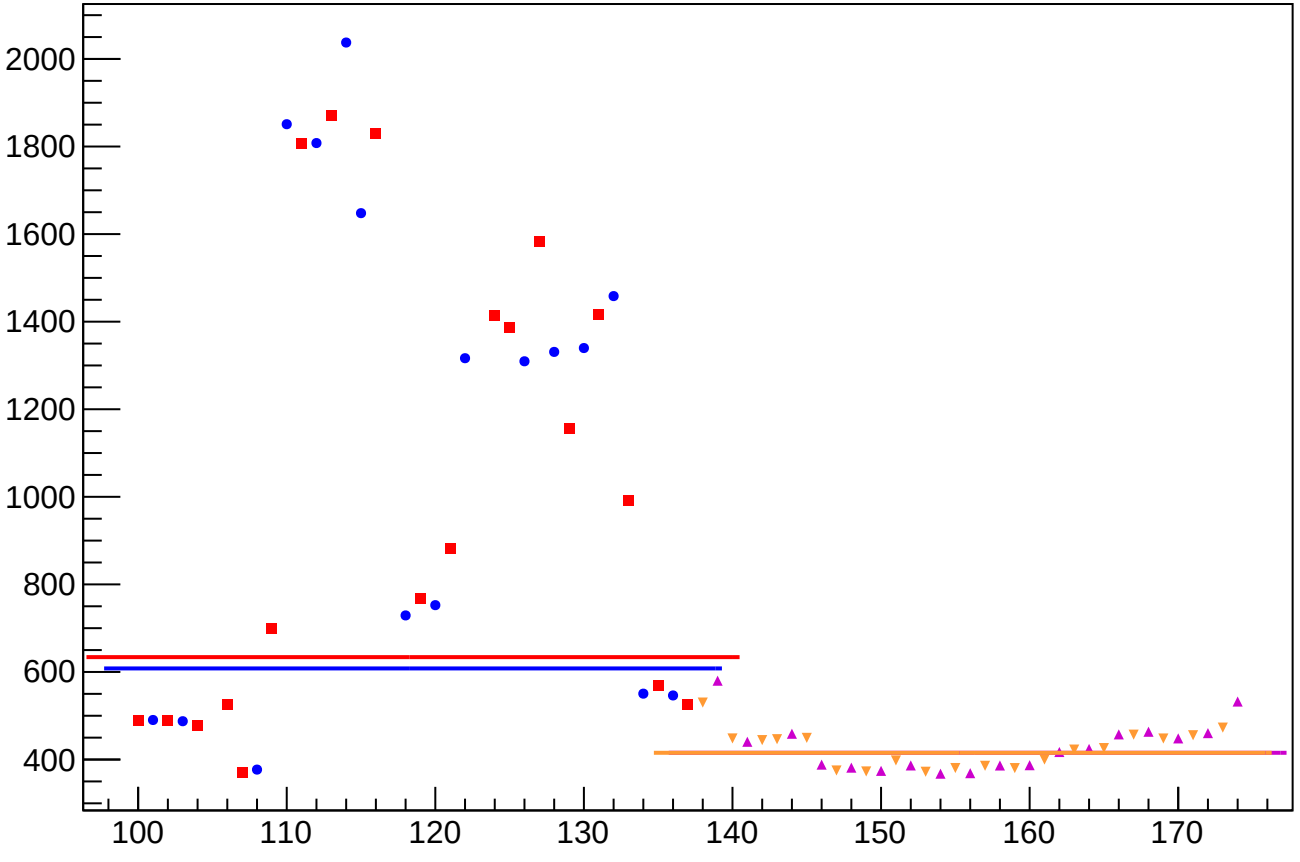
Right: -0.164+/-0.184 χ^2/NDF: 34.9/34

In: -0.036+/-0.100 χ^2/NDF:33.2/33

Out: -0.256+/-0.100 χ^2/NDF:47.2/37

All: -0.146+/-0.071 χ^2/NDF: 82.8/71

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 608.063+/-0.181 χ^2/NDF: 2852722.1/15

Left Out: 415.414+/-0.076 χ^2/NDF:267982.0/18

Right Out: 633.883+/-0.187 χ^2/NDF: 2788449.1/18

Left In: 415.414+/-0.077 χ^2/NDF:420777.9/17

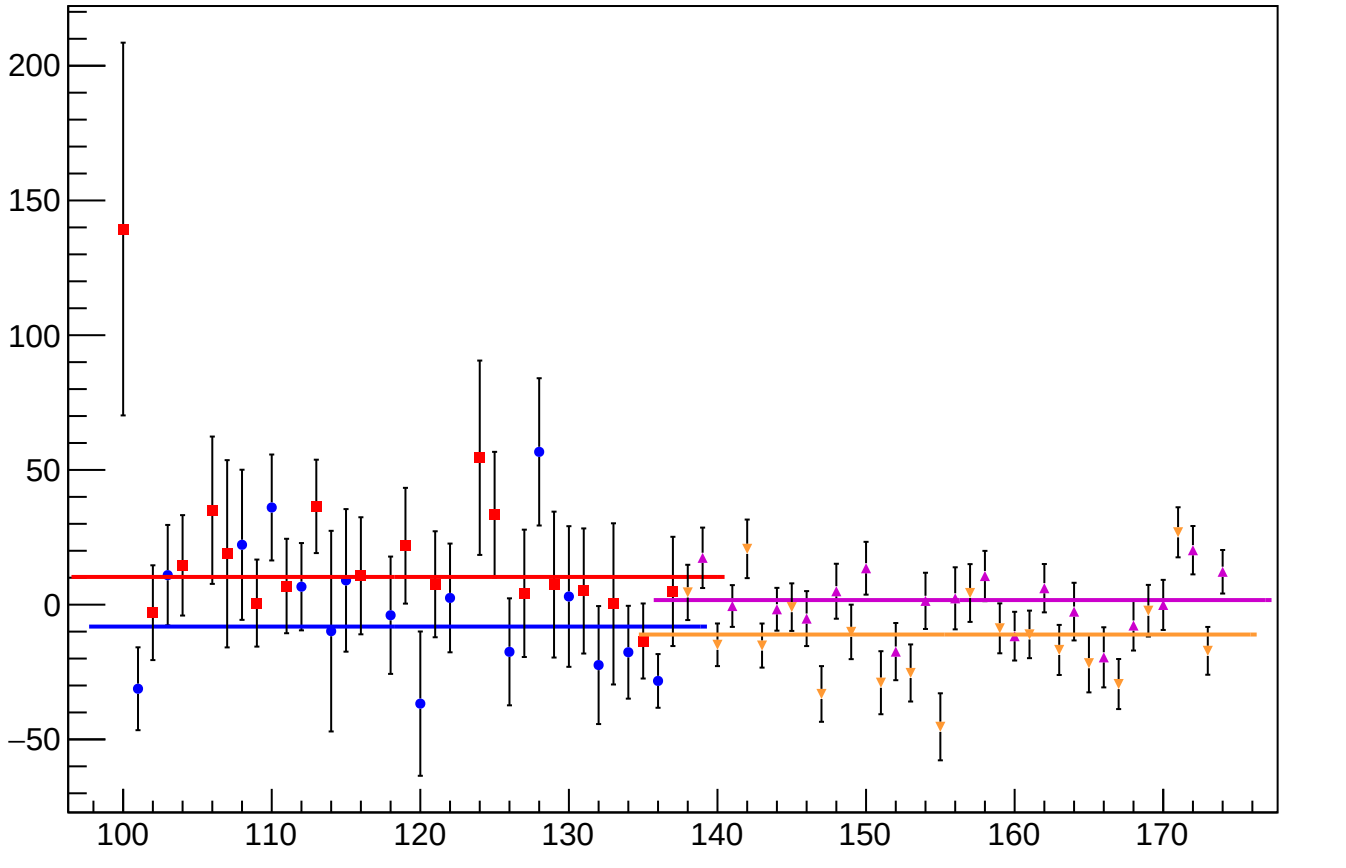
Left: 415.414+/-0.054 χ^2/NDF: 688759.9/36

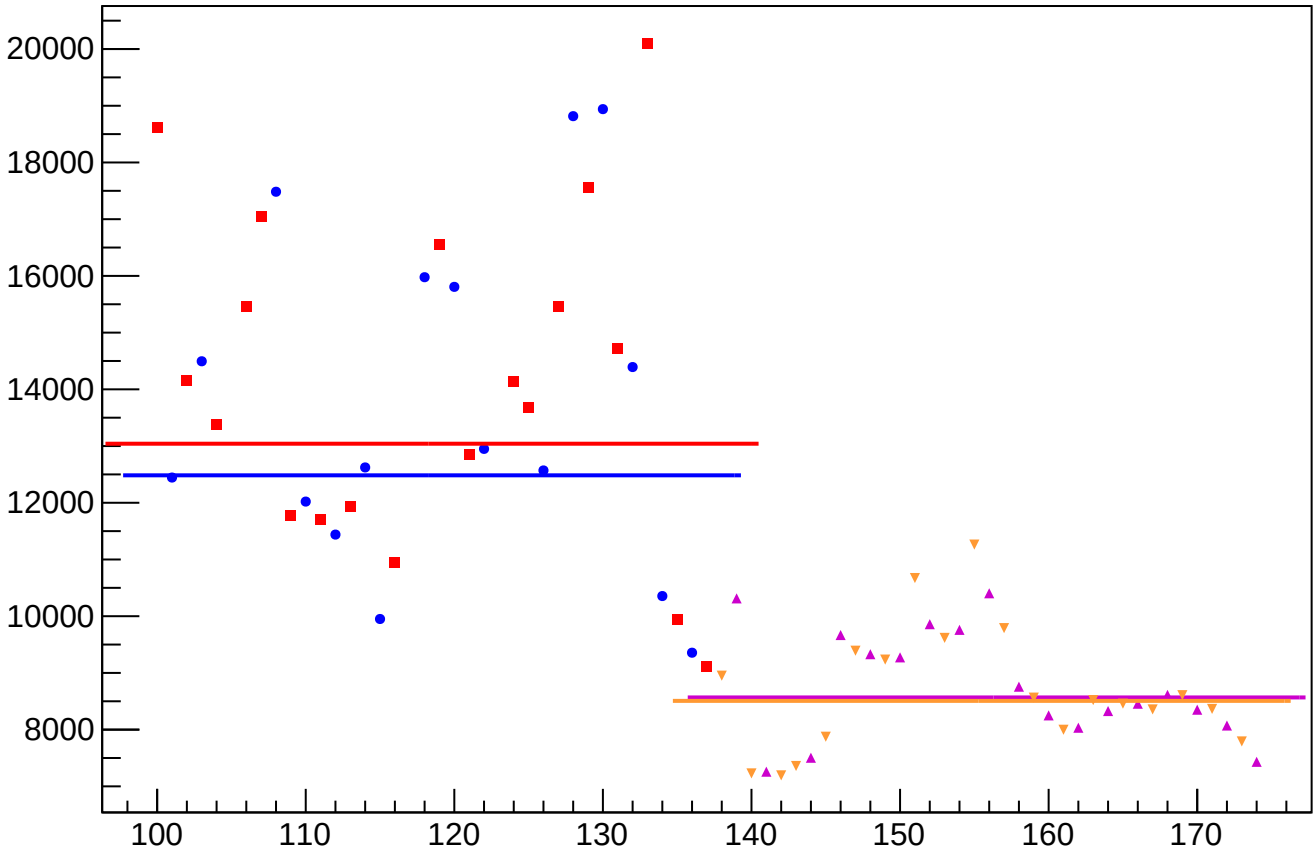
Right: 620.535+/-0.130 χ^2/NDF: 5651022.3/34

In: 444.904+/-0.071 χ^2/NDF:4234976.8/33

Out: 446.508+/-0.071 χ^2/NDF:4226502.6/37

All: 445.708+/-0.050 χ^2/NDF: 8461737.0/71


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: -11.085+/-2.216 χ²/NDF:54.4/18
Right Out: 10.288+/-4.873 χ²/NDF: 13.7/18
Left In: 1.704+/-2.239 χ²/NDF:21.6/17
Left: -4.755+/-1.575 χ²/NDF: 92.5/36
Right: 0.898+/-3.412 χ²/NDF: 44.1/34
In: -0.065+/-2.027 χ²/NDF:48.2/33
Out: -7.423+/-2.017 χ²/NDF:84.0/37
All: -3.763+/-1.430 χ²/NDF: 138.8/71



Right In: 12483.955+/-3.379 χ^2/NDF: 671560.0/15

Left Out: 8507.175+/-1.567 χ^2/NDF:398223.2/18

Right Out: 13041.241+/-3.446 χ^2/NDF: 544486.8/18

Left In: 8567.628+/-1.583 χ^2/NDF:351041.1/17

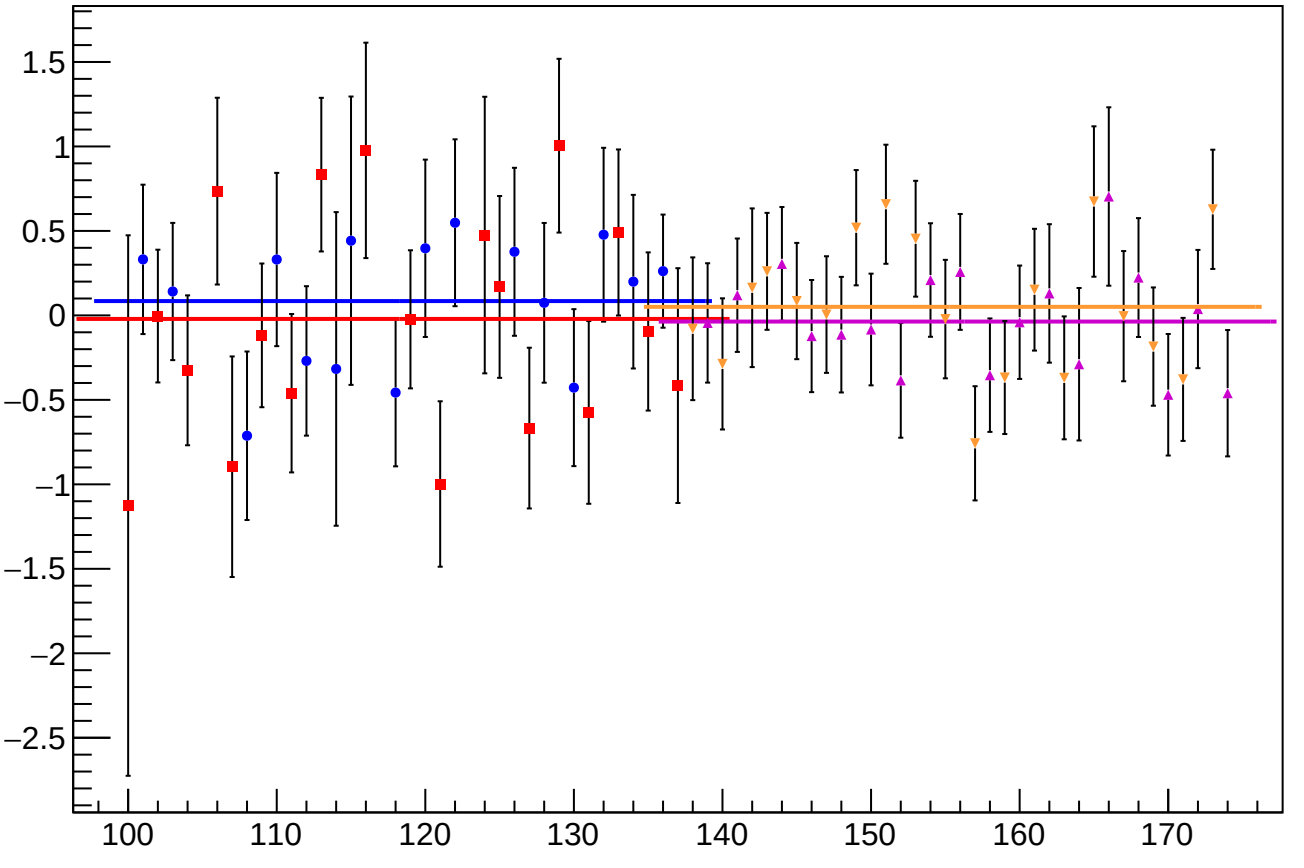
Left: 8537.093+/-1.114 χ^2/NDF: 750001.0/36

Right: 12757.154+/-2.413 χ^2/NDF: 1229378.8/34

In: 9272.308+/-1.433 χ^2/NDF:2124005.3/33

Out: 9283.981+/-1.426 χ^2/NDF:2377293.9/37

All: 9278.174+/-1.011 χ^2/NDF: 4501332.6/71



Right In: 0.085+/-0.120 χ^2/NDF: 9.4/15

Left Out: 0.051+/-0.083 χ^2/NDF:22.8/18

Right Out: -0.021+/-0.117 χ^2/NDF: 24.3/18

Left In: -0.037+/-0.084 χ^2/NDF:10.4/17

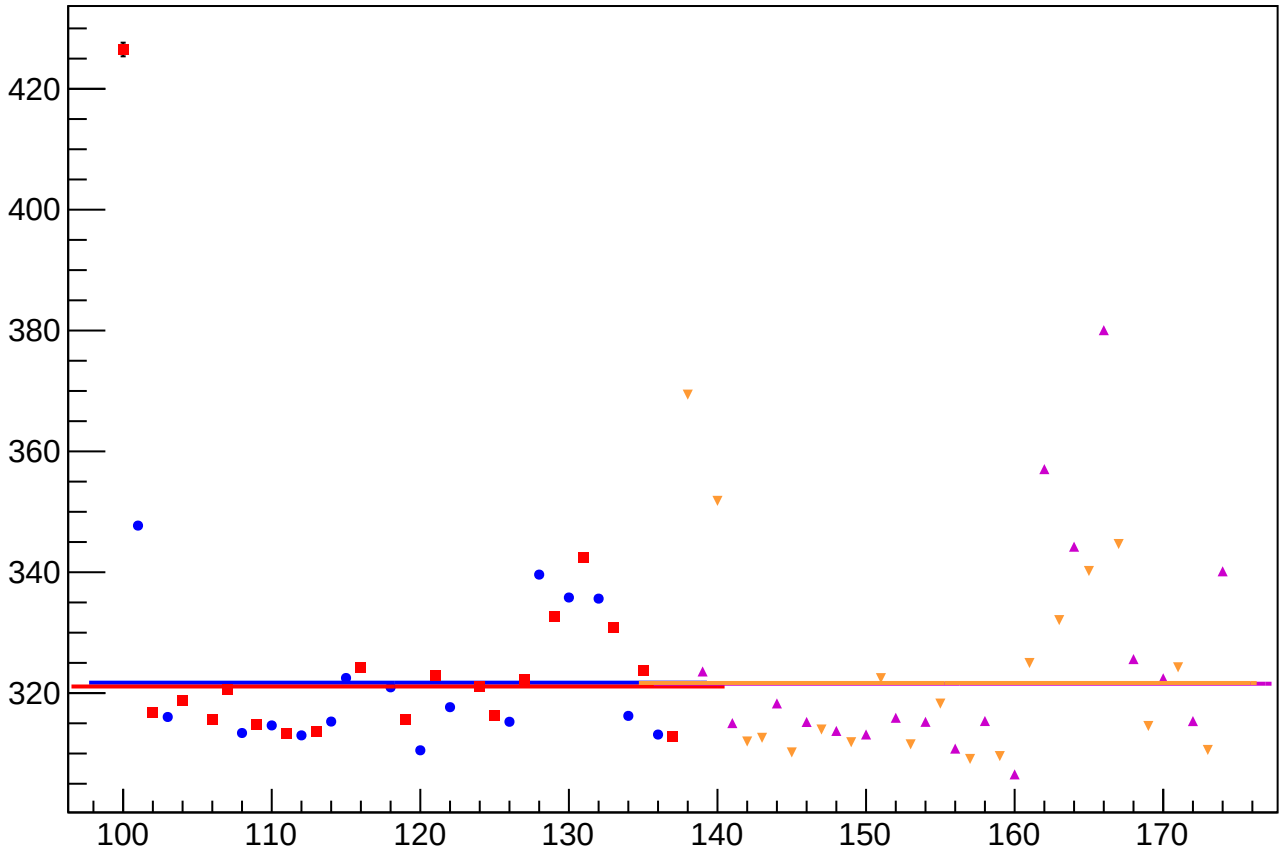
Left: 0.007+/-0.059 χ^2/NDF: 33.7/36

Right: 0.031+/-0.084 χ^2/NDF: 34.1/34

In: 0.003+/-0.069 χ^2/NDF:20.4/33

Out: 0.027+/-0.068 χ^2/NDF:47.3/37

All: 0.015+/-0.048 χ^2/NDF: 67.8/71



Right In: 321.727+/-0.085 χ^2/NDF: 18214.6/15

Left Out: 321.677+/-0.059 χ^2/NDF:67312.3/18

Right Out: 321.093+/-0.083 χ^2/NDF: 16579.3/18

Left In: 321.552+/-0.059 χ^2/NDF:62439.7/17

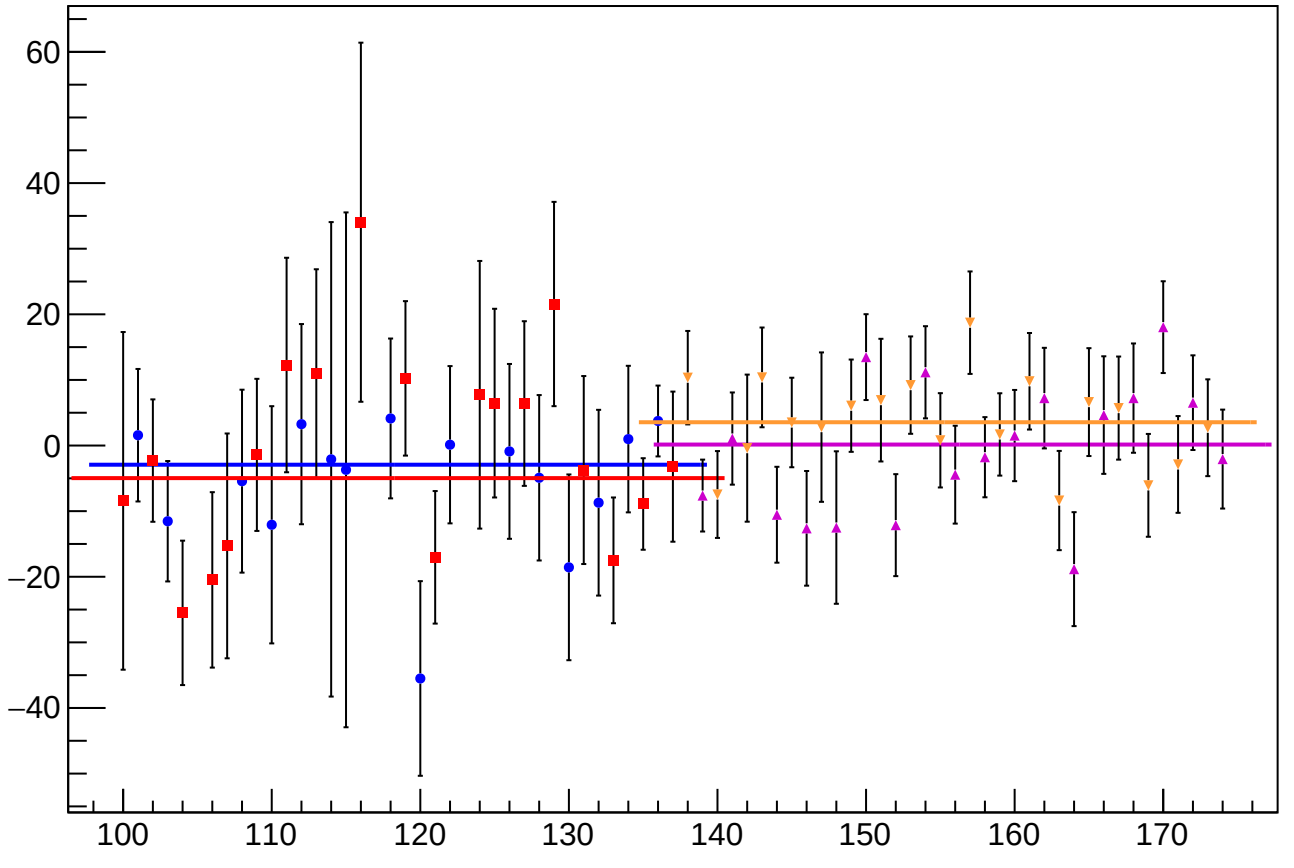
Left: 321.615+/-0.042 χ^2/NDF: 129754.2/36

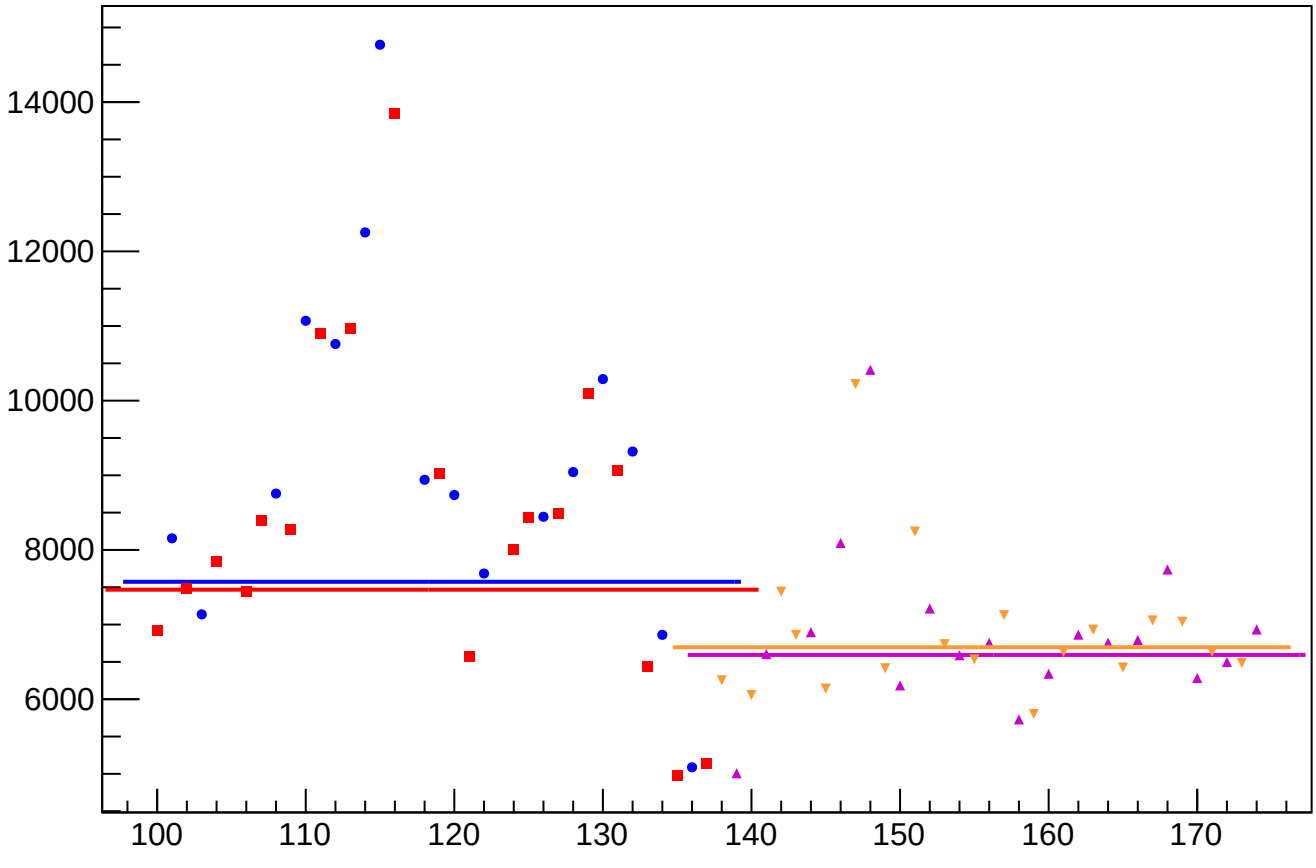
Right: 321.403+/-0.059 χ^2/NDF: 34822.5/34

In: 321.609+/-0.049 χ^2/NDF:80657.2/33

Out: 321.481+/-0.048 χ^2/NDF:83924.4/37

All: 321.544+/-0.034 χ^2/NDF: 164585.1/71


diff_bpm_4aY_4acY_avg_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: -2.922+/-2.910 χ²/NDF: 9.8/15
Left Out: 3.552+/-1.746 χ²/NDF:15.2/18
Right Out: -4.965+/-2.824 χ²/NDF: 19.4/18
Left In: 0.150+/-1.733 χ²/NDF:31.1/17
Left: 1.838+/-1.230 χ²/NDF: 48.2/36
Right: -3.974+/-2.027 χ²/NDF: 29.5/34
In: -0.655+/-1.489 χ²/NDF:41.8/33
Out: 1.196+/-1.485 χ²/NDF:41.2/37
All: 0.273+/-1.052 χ²/NDF: 83.7/71



Right In: 7573.161+/-2.058 χ^2/NDF: 897588.4/15

Left Out: 6696.281+/-1.235 χ^2/NDF:361120.4/18

Right Out: 7467.477+/-1.997 χ^2/NDF: 828353.3/18

Left In: 6593.269+/-1.226 χ^2/NDF:560392.6/17

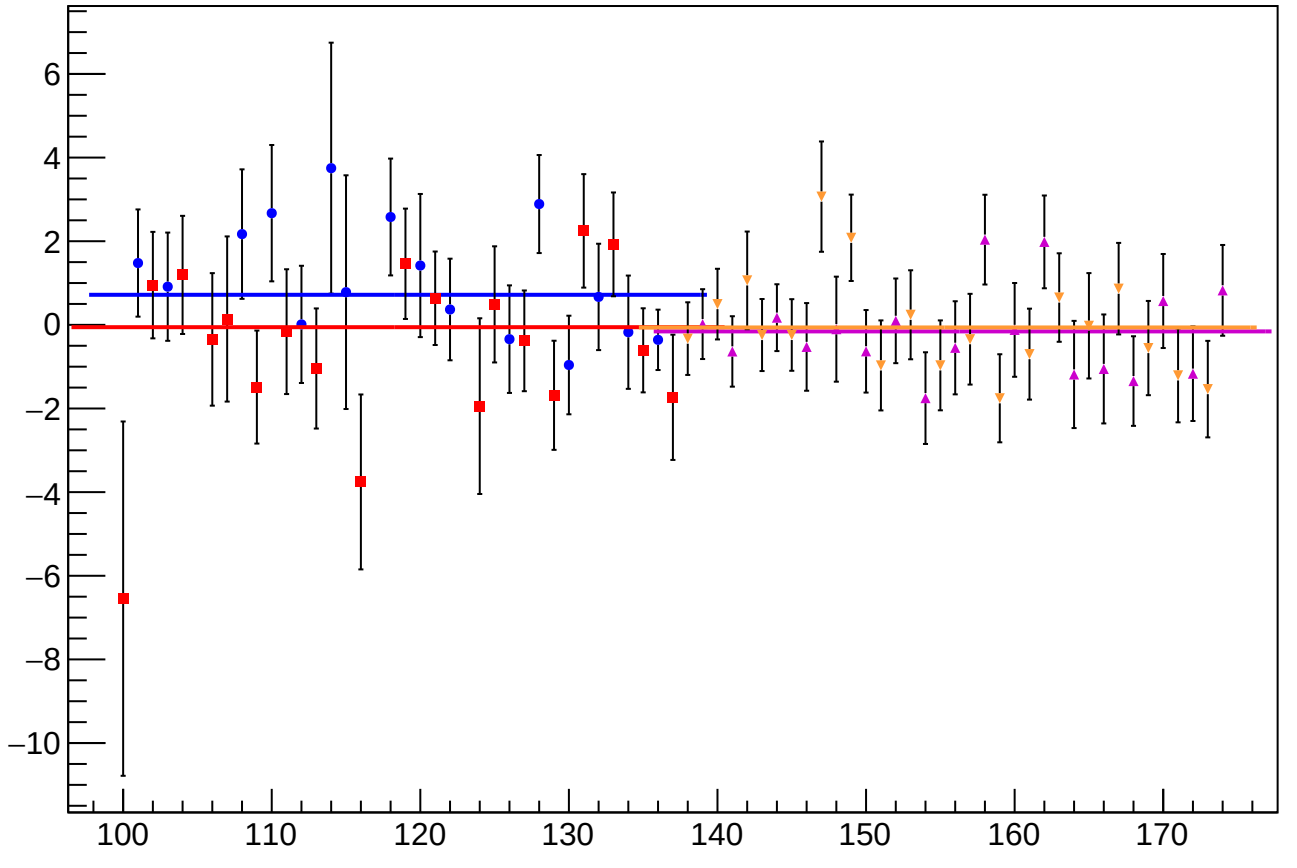
Left: 6644.396+/-0.870 χ^2/NDF: 925018.8/36

Right: 7518.728+/-1.433 χ^2/NDF: 1727300.0/34

In: 6849.850+/-1.053 χ^2/NDF:1625342.0/33

Out: 6909.582+/-1.050 χ^2/NDF:1297374.9/37

All: 6879.798+/-0.744 χ^2/NDF: 2924330.1/71



Right In: 0.719+/-0.326 χ^2/NDF: 14.8/15

Left Out: -0.062+/-0.238 χ^2/NDF:20.0/18

Right Out: -0.056+/-0.323 χ^2/NDF: 19.8/18

Left In: -0.157+/-0.246 χ^2/NDF:15.5/17

Left: -0.108+/-0.171 χ^2/NDF: 35.6/36

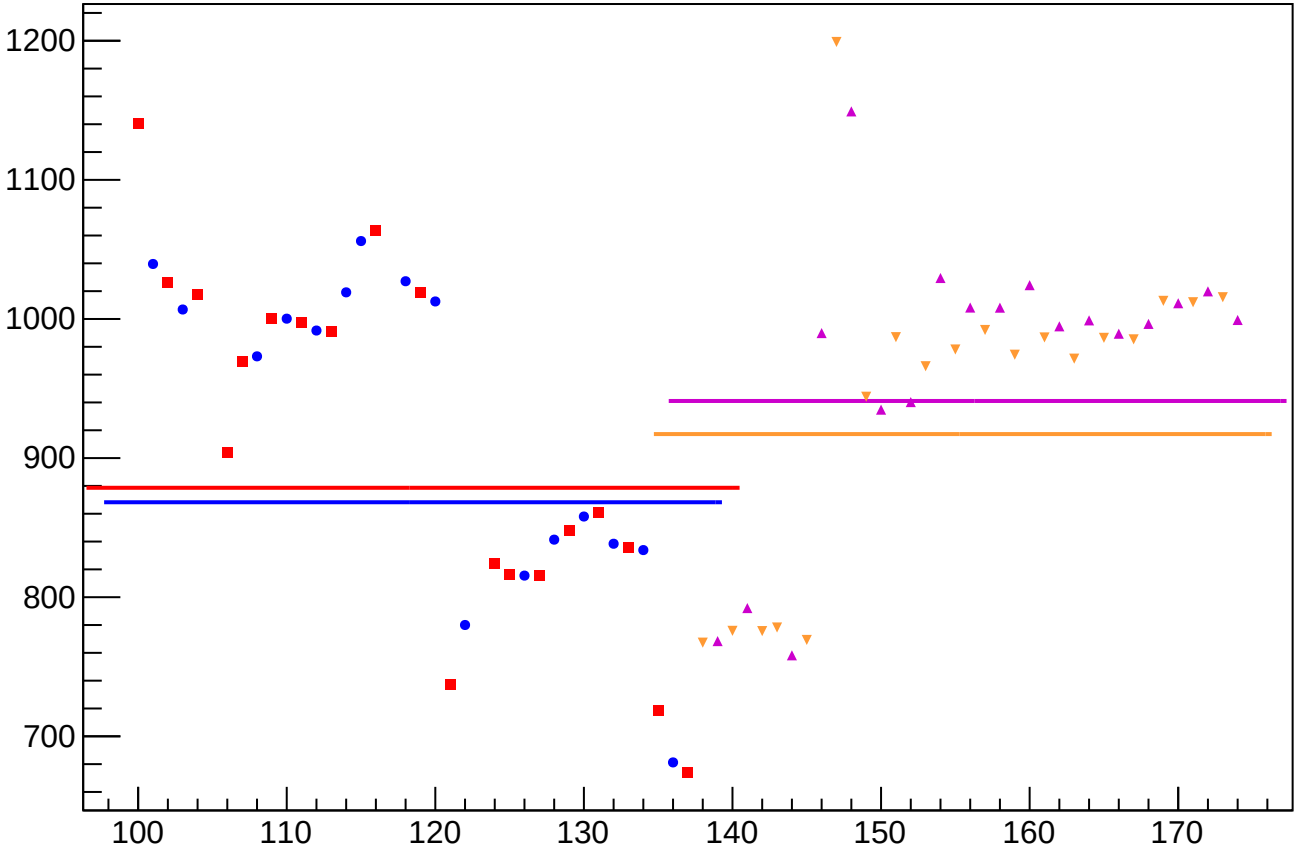
Right: 0.329+/-0.230 χ^2/NDF: 37.4/34

In: 0.161+/-0.196 χ^2/NDF:34.9/33

Out: -0.060+/-0.192 χ^2/NDF:39.8/37

All: 0.048+/-0.137 χ^2/NDF: 75.4/71

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 868.253+/-0.230 χ^2/NDF: 302409.6/15

Left Out: 917.263+/-0.169 χ^2/NDF:454411.3/18

Right Out: 878.658+/-0.229 χ^2/NDF: 272530.7/18

Left In: 941.056+/-0.174 χ^2/NDF:391306.6/17

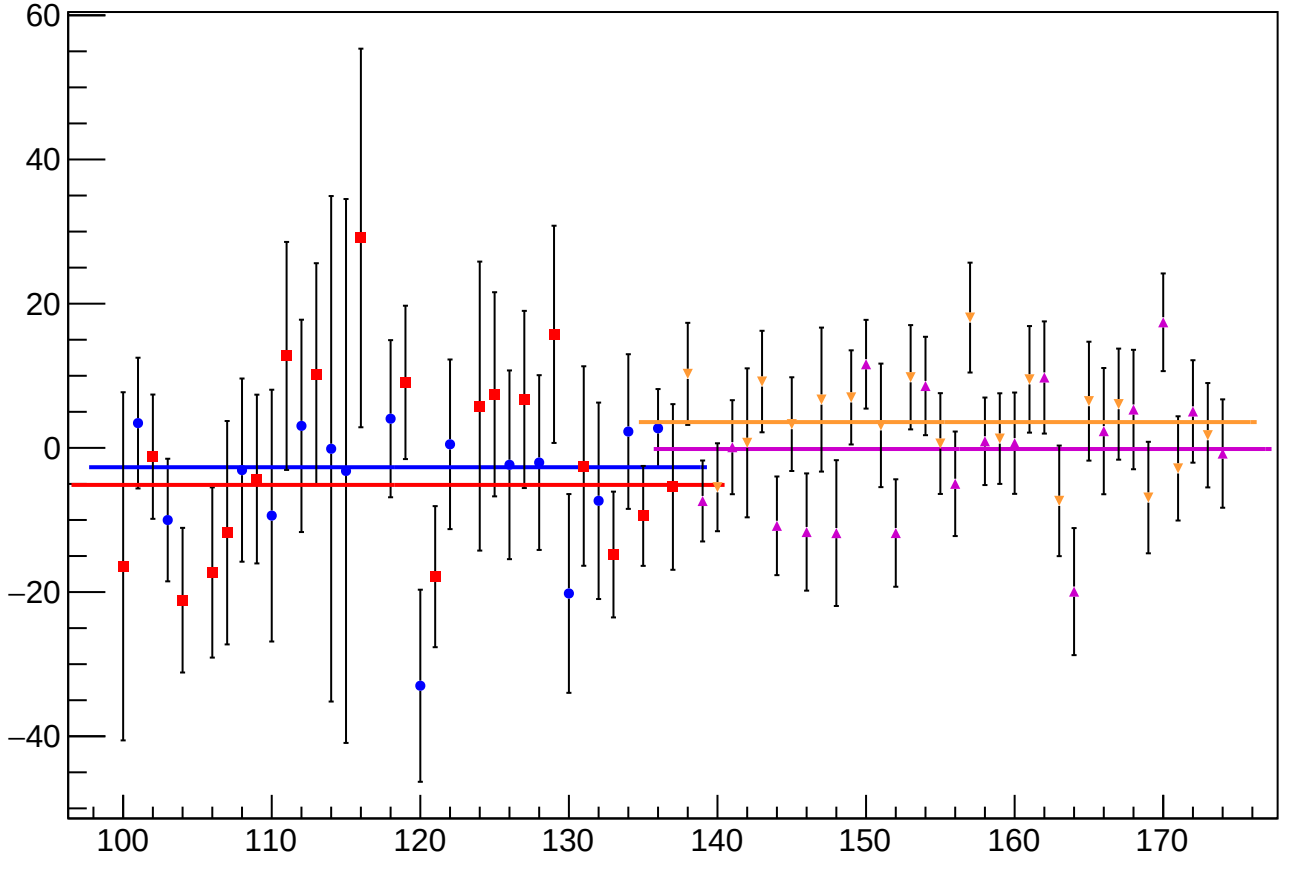
Left: 928.804+/-0.121 χ^2/NDF: 855373.8/36

Right: 873.496+/-0.162 χ^2/NDF: 575967.6/34

In: 914.672+/-0.139 χ^2/NDF:757344.3/33

Out: 903.662+/-0.136 χ^2/NDF:745405.6/37

All: 909.046+/-0.097 χ^2/NDF: 1505967.9/71



Right In: -2.683+/-2.788 χ^2/NDF: 10.1/15

Left Out: 3.577+/-1.688 χ^2/NDF:14.4/18

Right Out: -5.136+/-2.692 χ^2/NDF: 17.3/18

Left In: -0.158+/-1.690 χ^2/NDF:30.1/17

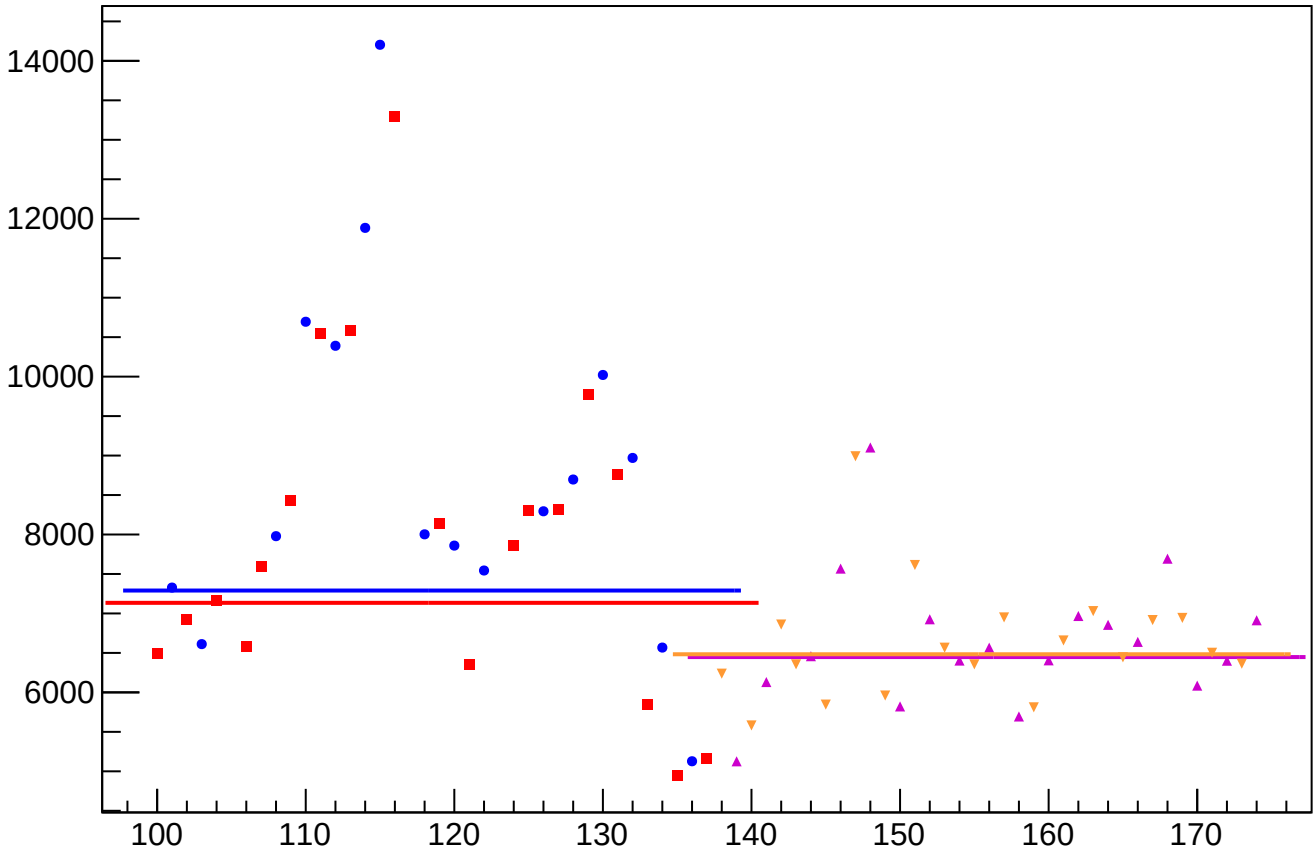
Left: 1.712+/-1.194 χ^2/NDF: 47.0/36

Right: -3.953+/-1.937 χ^2/NDF: 27.7/34

In: -0.836+/-1.445 χ^2/NDF:40.8/33

Out: 1.118+/-1.430 χ^2/NDF:39.2/37

All: 0.151+/-1.016 χ^2/NDF: 80.9/71



Right In: 7290.246+/-1.972 χ^2/NDF: 770518.2/15

Left Out: 6482.895+/-1.193 χ^2/NDF:299178.1/18

Right Out: 7134.411+/-1.903 χ^2/NDF: 792788.1/18

Left In: 6447.407+/-1.195 χ^2/NDF:424572.0/17

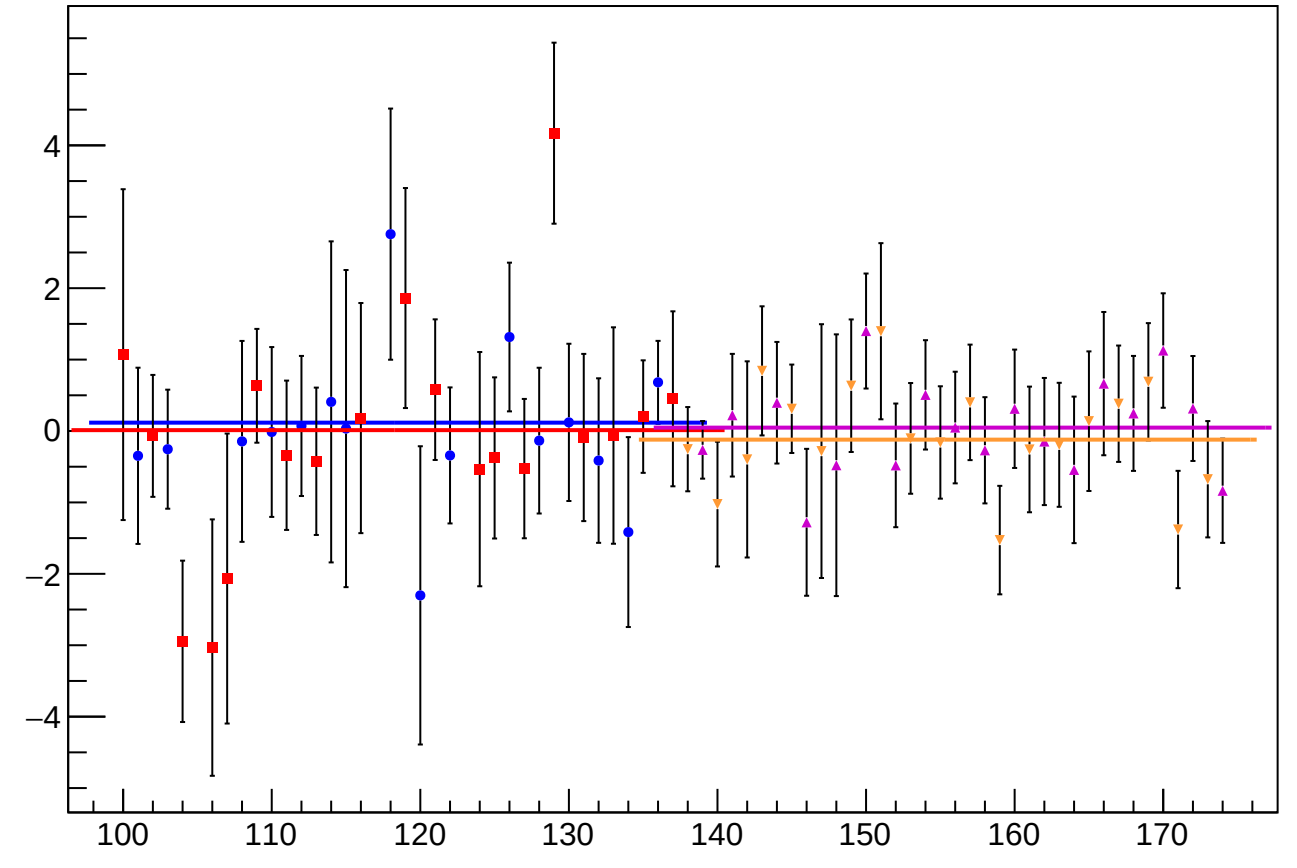
Left: 6465.175+/-0.844 χ^2/NDF: 724191.7/36

Right: 7209.592+/-1.369 χ^2/NDF: 1566539.8/34

In: 6673.841+/-1.022 χ^2/NDF:1328749.1/33

Out: 6666.705+/-1.011 χ^2/NDF:1176067.7/37

All: 6670.235+/-0.719 χ^2/NDF: 2504841.5/71



Right In: 0.117+/-0.273 χ^2/NDF: 8.1/15

Left Out: -0.121+/-0.193 χ^2/NDF:13.1/18

Right Out: 0.012+/-0.263 χ^2/NDF: 25.2/18

Left In: 0.047+/-0.184 χ^2/NDF:10.6/17

Left: -0.033+/-0.133 χ^2/NDF: 24.1/36

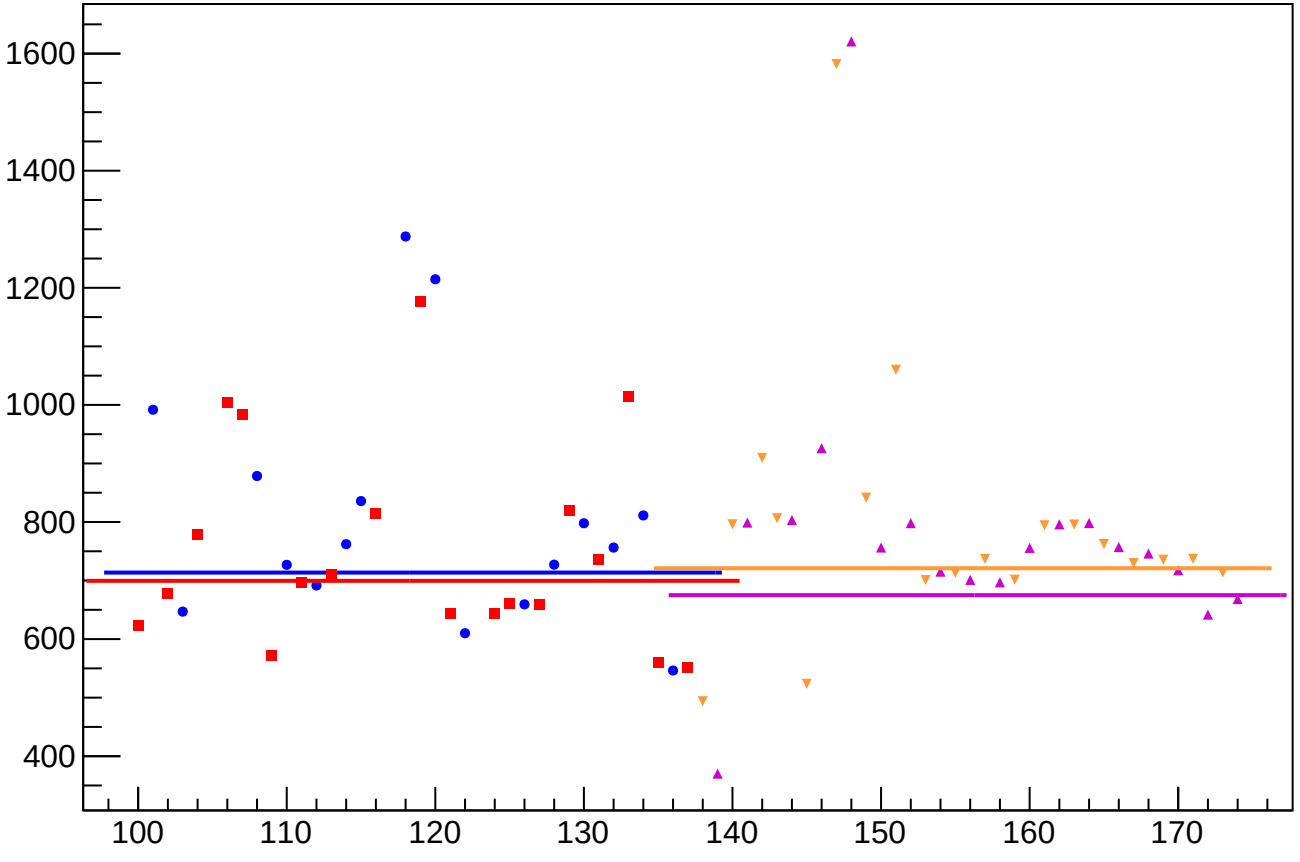
Right: 0.063+/-0.190 χ^2/NDF: 33.4/34

In: 0.069+/-0.152 χ^2/NDF:18.8/33

Out: -0.074+/-0.156 χ^2/NDF:38.4/37

All: -0.001+/-0.109 χ^2/NDF: 57.6/71

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 713.627+/-0.193 χ^2/NDF: 699303.9/15

Left Out: 720.999+/-0.136 χ^2/NDF:1262691.9/18

Right Out: 699.502+/-0.186 χ^2/NDF: 575759.9/18

Left In: 675.091+/-0.130 χ^2/NDF:2075686.2/17

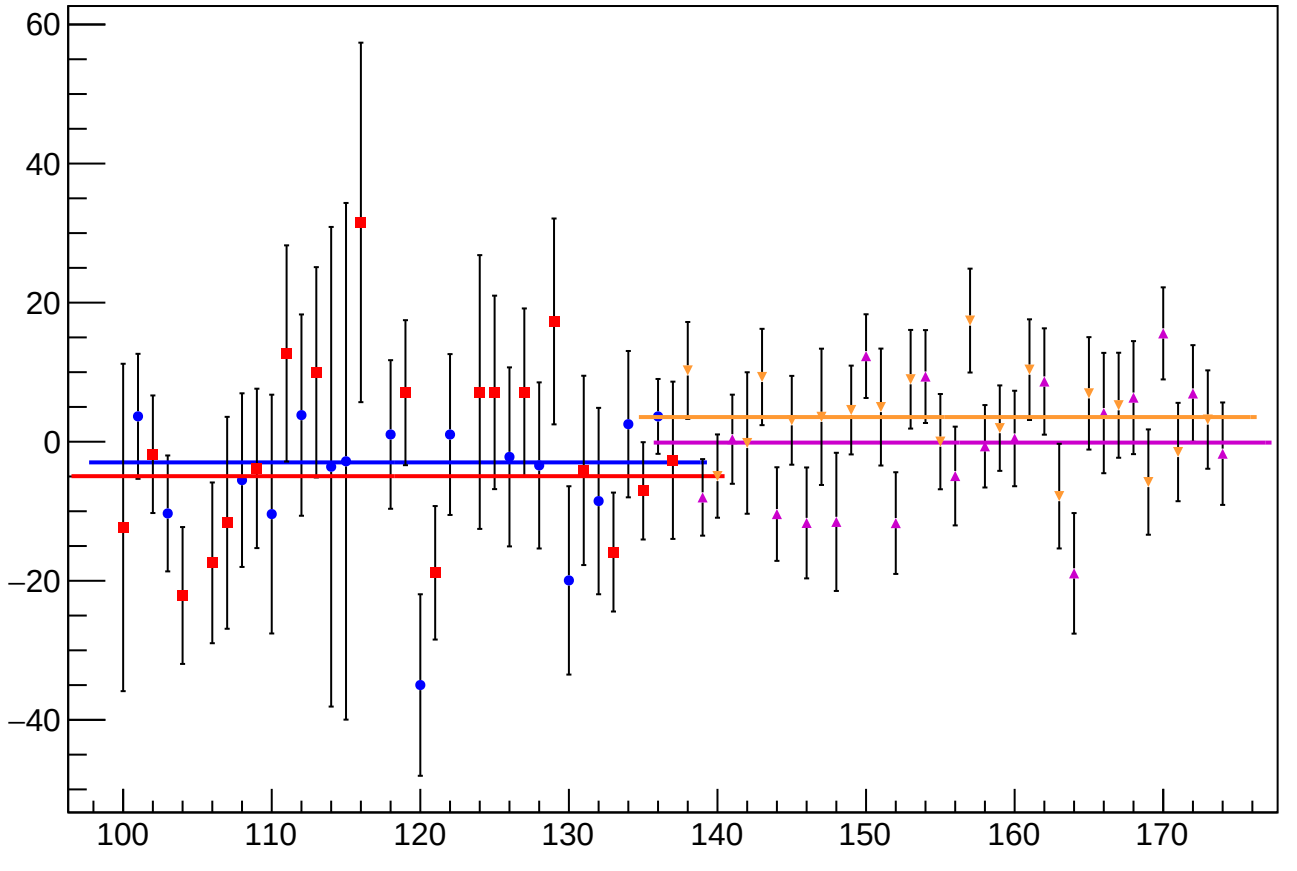
Left: 696.917+/-0.094 χ^2/NDF: 3397786.3/36

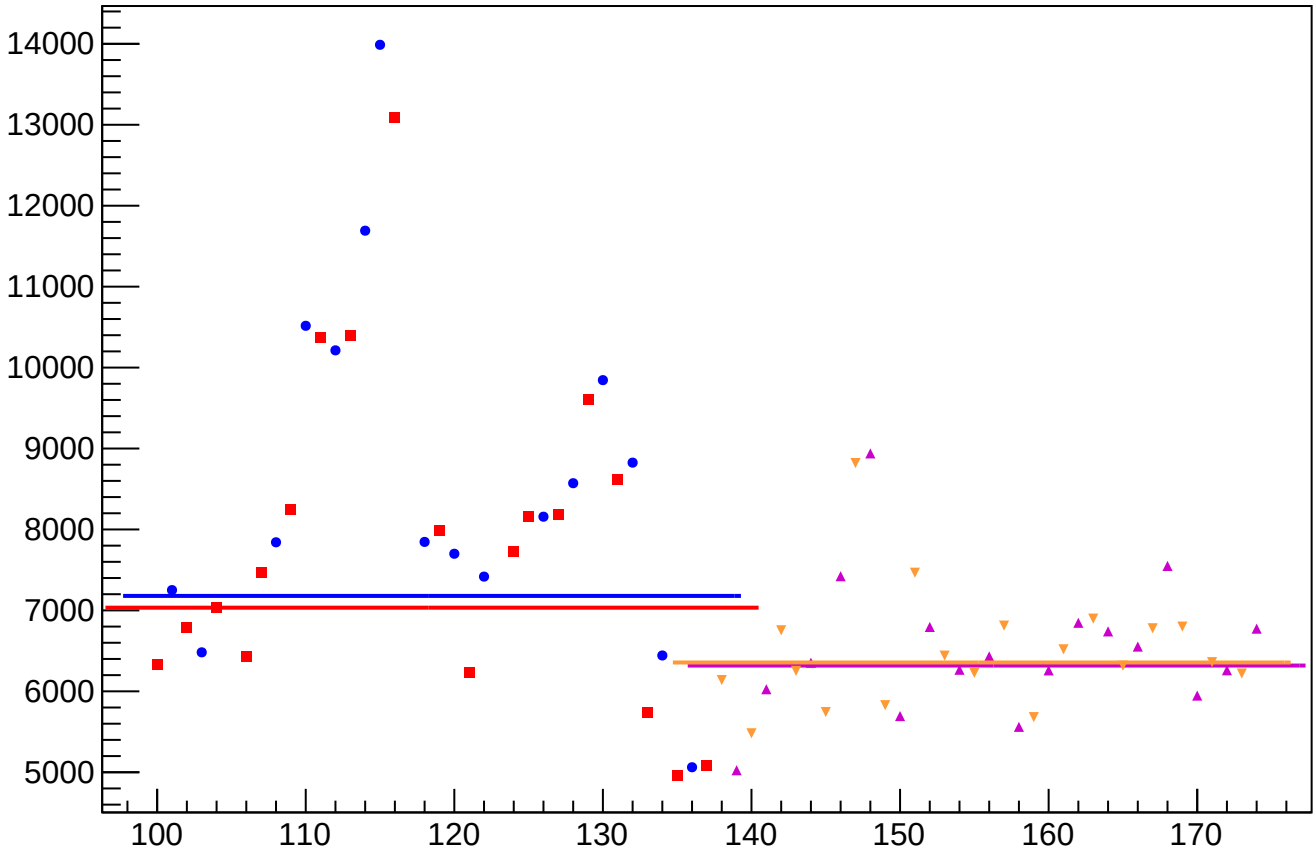
Right: 706.303+/-0.134 χ^2/NDF: 1277836.8/34

In: 687.088+/-0.108 χ^2/NDF:2802402.4/33

Out: 713.486+/-0.110 χ^2/NDF:1847130.3/37

All: 700.014+/-0.077 χ^2/NDF: 4678909.0/71


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: 3.544+/-1.655 χ²/NDF:13.6/18
Right Out: -4.955+/-2.653 χ²/NDF: 18.5/18
Left In: -0.128+/-1.657 χ²/NDF:30.7/17
Left: 1.710+/-1.171 χ²/NDF: 46.8/36
Right: -3.999+/-1.908 χ²/NDF: 30.3/34
In: -0.887+/-1.418 χ²/NDF:43.0/33
Out: 1.164+/-1.404 χ²/NDF:39.5/37
All: 0.149+/-0.998 χ²/NDF: 83.6/71



Right In: 7178.925+/-1.942 χ^2/NDF: 761936.2/15

Left Out: 6356.364+/-1.170 χ^2/NDF:299297.9/18

Right Out: 7033.538+/-1.876 χ^2/NDF: 766389.2/18

Left In: 6318.488+/-1.171 χ^2/NDF:431334.5/17

Left: 6337.446+/-0.828 χ^2/NDF: 731155.7/36

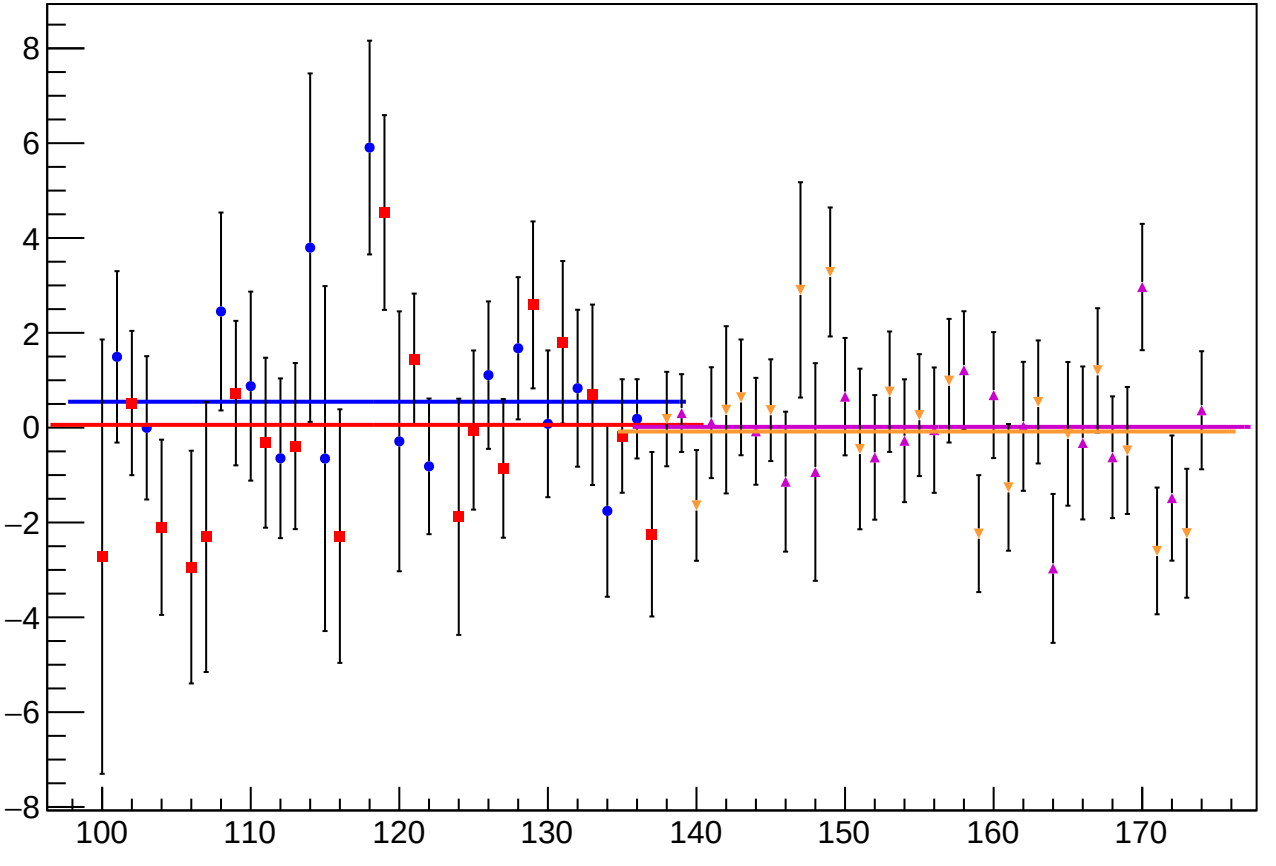
Right: 7103.732+/-1.349 χ^2/NDF: 1531224.9/34

In: 6548.079+/-1.003 χ^2/NDF:1337235.2/33

Out: 6546.019+/-0.993 χ^2/NDF:1159483.1/37

All: 6547.038+/-0.706 χ^2/NDF: 2496720.5/71

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.547+/-0.411 χ^2/NDF: 11.9/15

Left Out: -0.081+/-0.302 χ^2/NDF:22.7/18

Right Out: 0.059+/-0.409 χ^2/NDF: 16.9/18

Left In: 0.017+/-0.302 χ^2/NDF:12.8/17

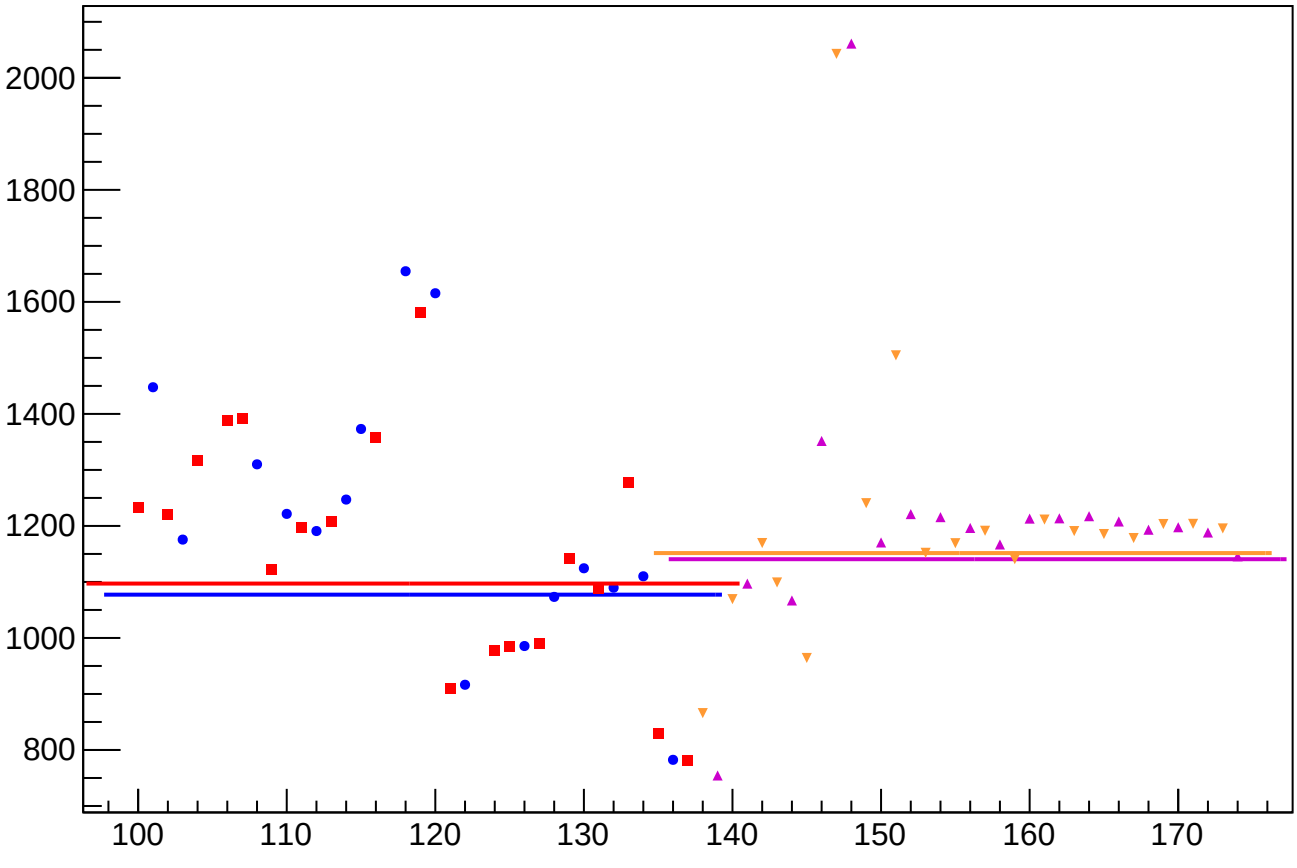
Left: -0.032+/-0.213 χ^2/NDF: 35.6/36

Right: 0.302+/-0.290 χ^2/NDF: 29.5/34

In: 0.202+/-0.243 χ^2/NDF:25.9/33

Out: -0.031+/-0.243 χ^2/NDF:39.6/37

All: 0.085+/-0.172 χ^2/NDF: 66.0/71



Right In: 1077.306+/-0.291 χ^2/NDF: 646521.7/15

Left Out: 1151.555+/-0.213 χ^2/NDF:661189.3/18

Right Out: 1097.108+/-0.289 χ^2/NDF: 484370.7/18

Left In: 1140.601+/-0.213 χ^2/NDF:866990.5/17

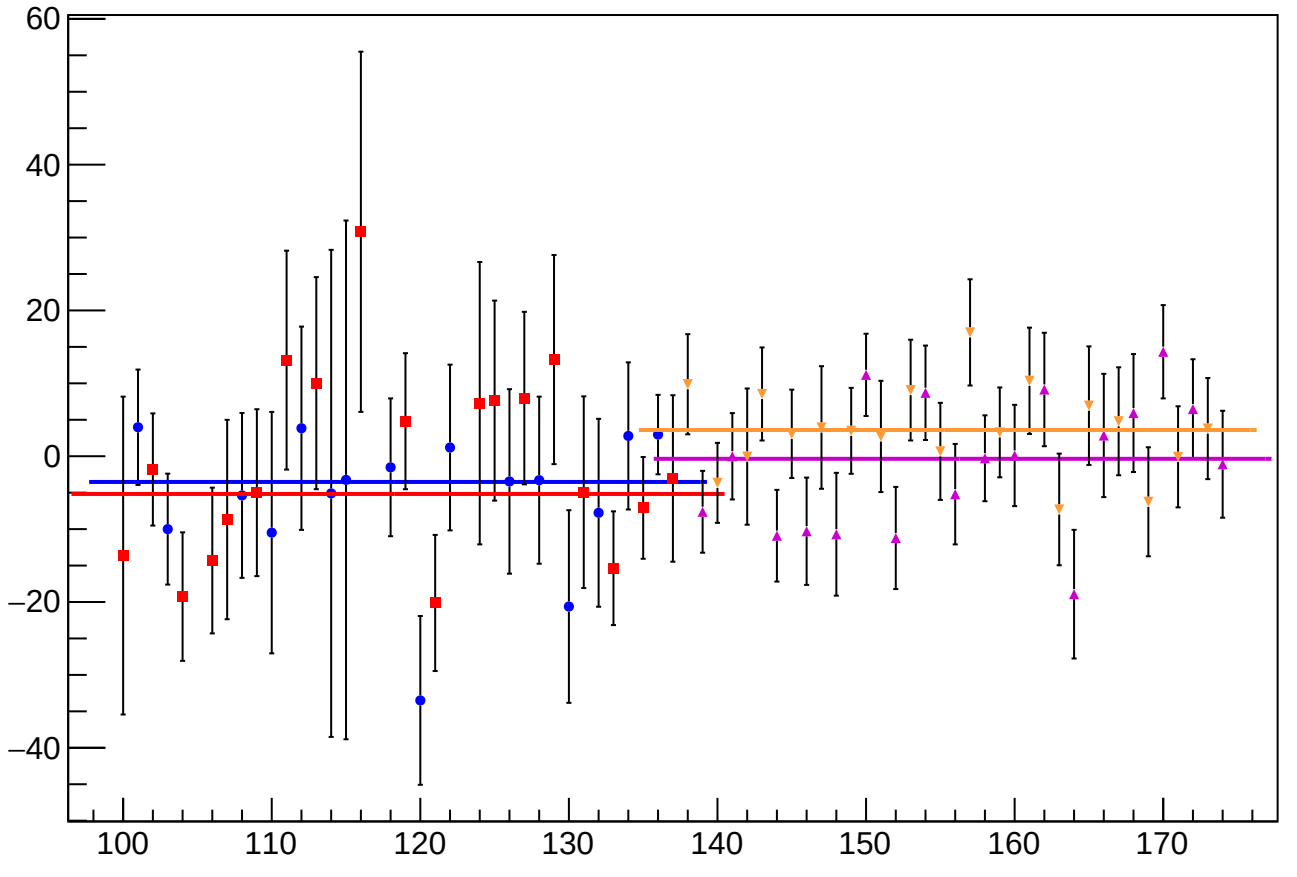
Left: 1146.079+/-0.151 χ^2/NDF: 1529498.2/36

Right: 1087.256+/-0.205 χ^2/NDF: 1133226.7/34

In: 1118.430+/-0.172 χ^2/NDF:1544349.9/33

Out: 1132.362+/-0.172 χ^2/NDF:1168526.6/37

All: 1125.408+/-0.121 χ^2/NDF: 2716164.5/71



Right In: -3.527+/-2.608 χ^2/NDF: 12.6/15

Left Out: 3.600+/-1.591 χ^2/NDF:12.7/18

Right Out: -5.176+/-2.508 χ^2/NDF: 18.2/18

Left In: -0.354+/-1.607 χ^2/NDF:29.8/17

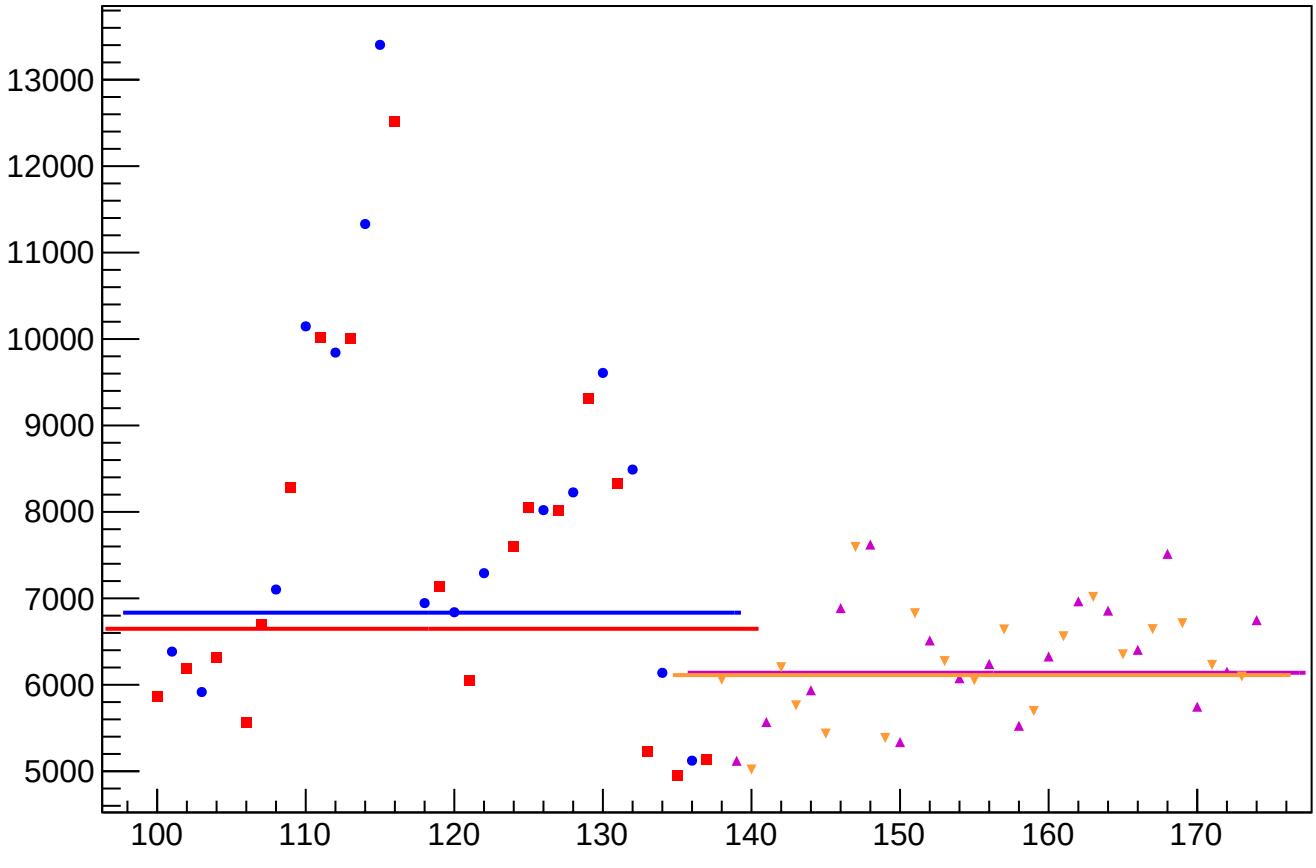
Left: 1.642+/-1.131 χ^2/NDF: 45.5/36

Right: -4.384+/-1.808 χ^2/NDF: 31.0/34

In: -1.227+/-1.368 χ^2/NDF:43.5/33

Out: 1.081+/-1.343 χ^2/NDF:39.6/37

All: -0.052+/-0.959 χ^2/NDF: 84.5/71



Right In: 6834.346+/-1.844 χ^2/NDF: 692722.6/15

Left Out: 6112.118+/-1.125 χ^2/NDF:302540.3/18

Right Out: 6647.996+/-1.773 χ^2/NDF: 785102.6/18

Left In: 6139.288+/-1.136 χ^2/NDF:355792.9/17

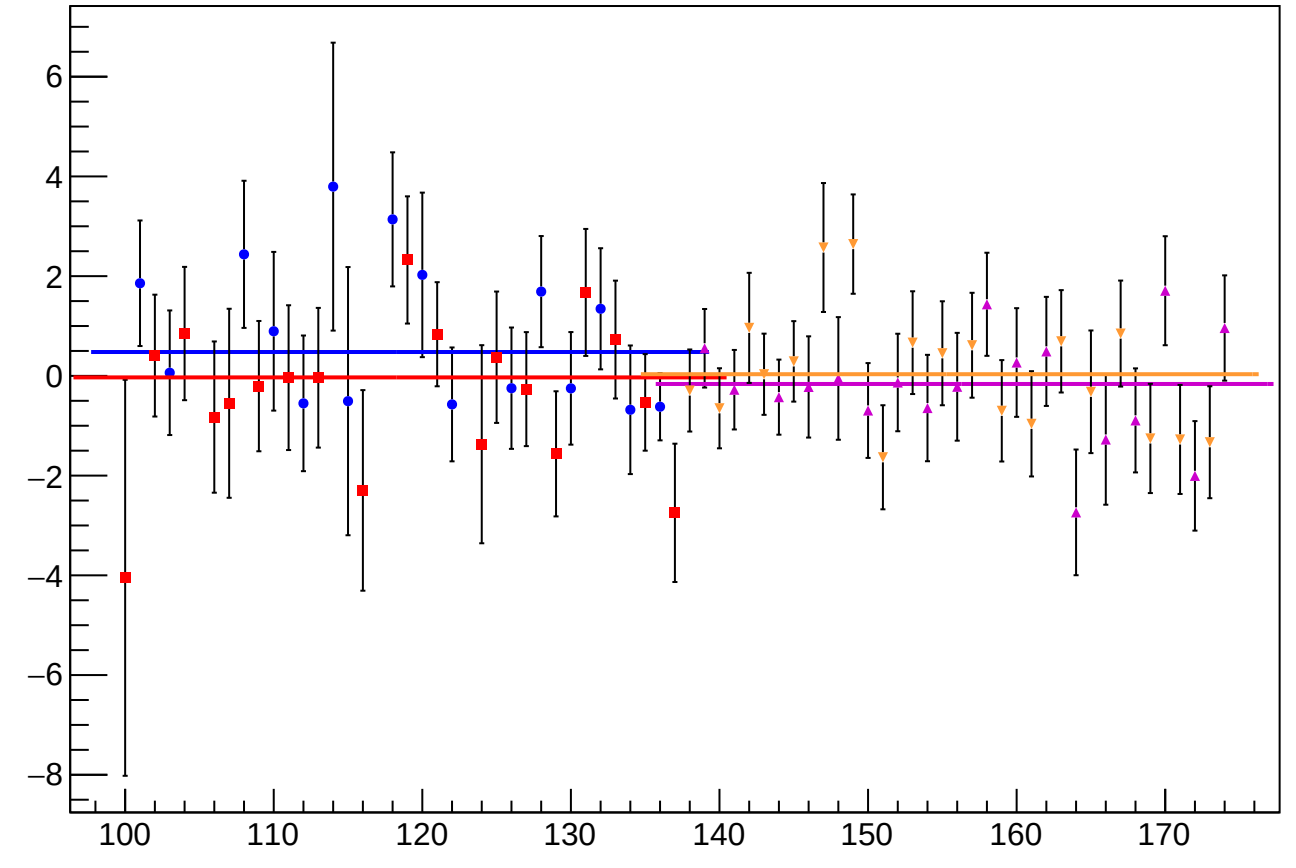
Left: 6125.569+/-0.799 χ^2/NDF: 658621.9/36

Right: 6737.523+/-1.278 χ^2/NDF: 1483130.1/34

In: 6330.519+/-0.967 χ^2/NDF:1151475.1/33

Out: 6265.890+/-0.950 χ^2/NDF:1152751.7/37

All: 6297.619+/-0.678 χ^2/NDF: 2306499.0/71



Right In: 0.479+/-0.311 χ^2/NDF: 16.7/15

Left Out: 0.034+/-0.229 χ^2/NDF:22.6/18

Right Out: -0.030+/-0.309 χ^2/NDF: 15.7/18

Left In: -0.162+/-0.237 χ^2/NDF:16.7/17

Left: -0.061+/-0.165 χ^2/NDF: 39.6/36

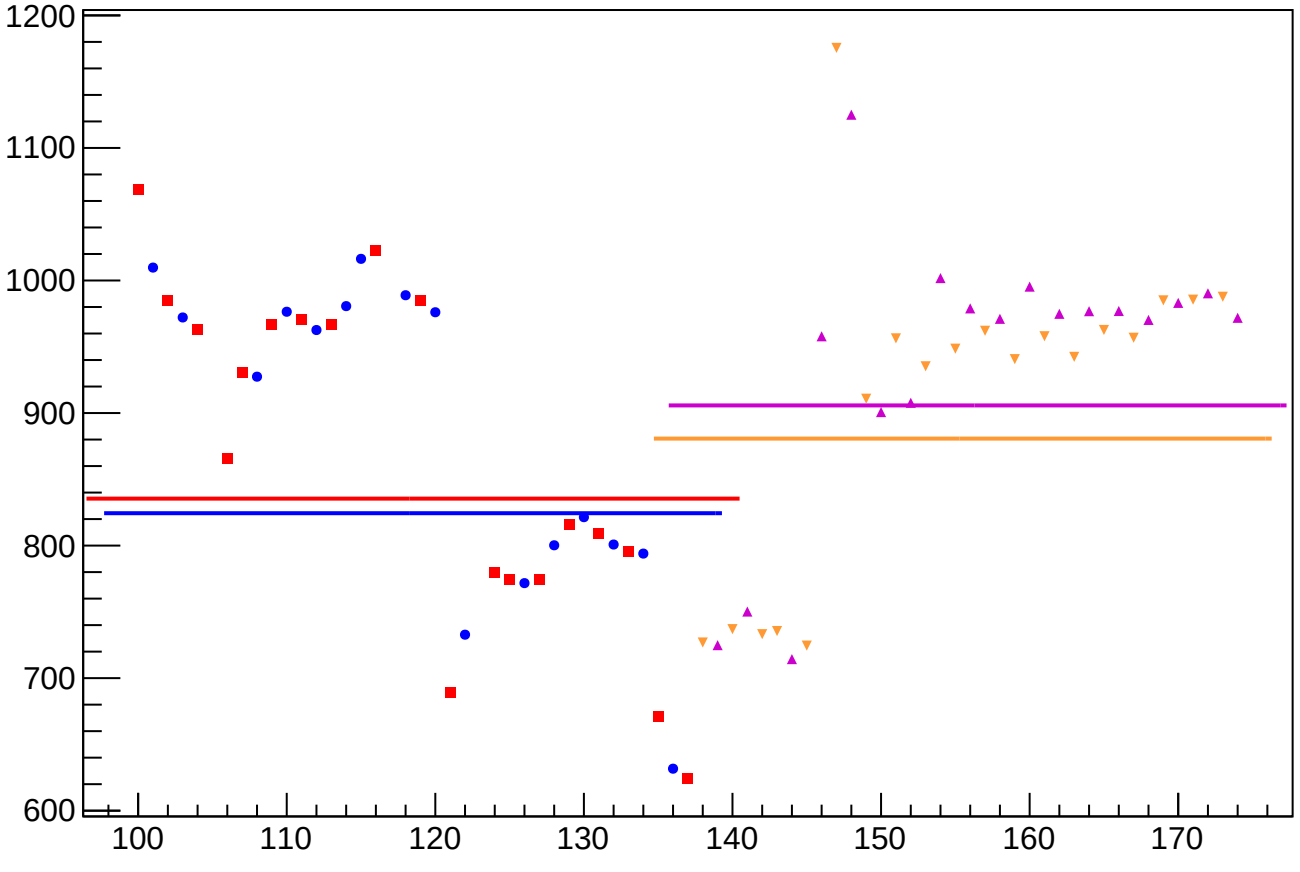
Right: 0.222+/-0.219 χ^2/NDF: 33.8/34

In: 0.074+/-0.189 χ^2/NDF:36.1/33

Out: 0.011+/-0.184 χ^2/NDF:38.3/37

All: 0.041+/-0.132 χ^2/NDF: 74.5/71

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 824.431+/-0.220 χ^2/NDF: 365461.7/15

Left Out: 880.722+/-0.162 χ^2/NDF:549250.3/18

Right Out: 835.437+/-0.218 χ^2/NDF: 319302.1/18

Left In: 905.752+/-0.168 χ^2/NDF:484270.0/17

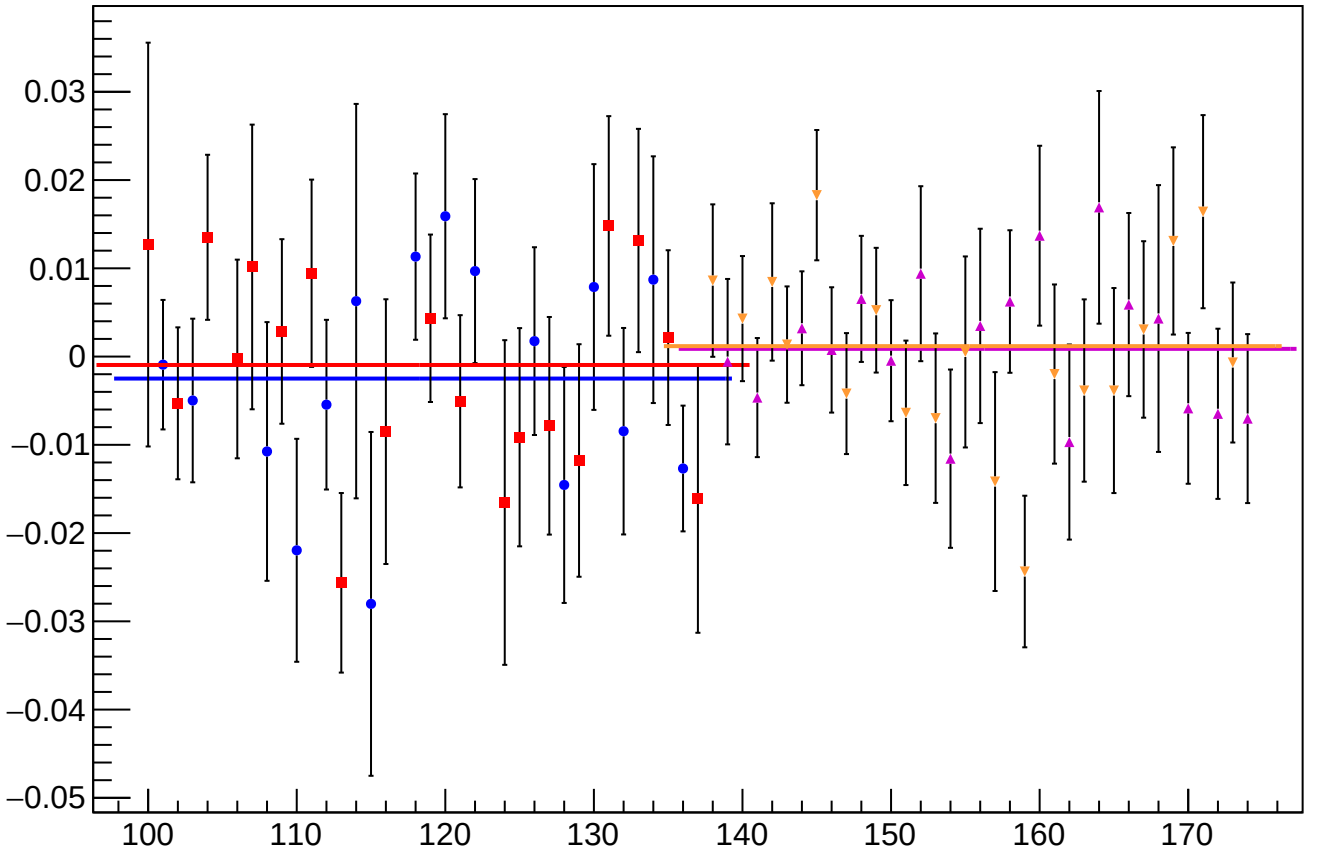
Left: 892.818+/-0.117 χ^2/NDF: 1045029.0/36

Right: 829.974+/-0.155 χ^2/NDF: 686027.0/34

In: 875.822+/-0.133 χ^2/NDF:936263.0/33

Out: 864.602+/-0.130 χ^2/NDF:896299.2/37

All: 870.077+/-0.093 χ^2/NDF: 1836188.0/71



Right In: -0.002+/-0.003 χ^2/NDF: 15.3/15

Left Out: 0.001+/-0.002 χ^2/NDF:23.7/18

Right Out: -0.001+/-0.003 χ^2/NDF: 17.3/18

Left In: 0.001+/-0.002 χ^2/NDF:10.4/17

Left: 0.001+/-0.001 χ^2/NDF: 34.1/36

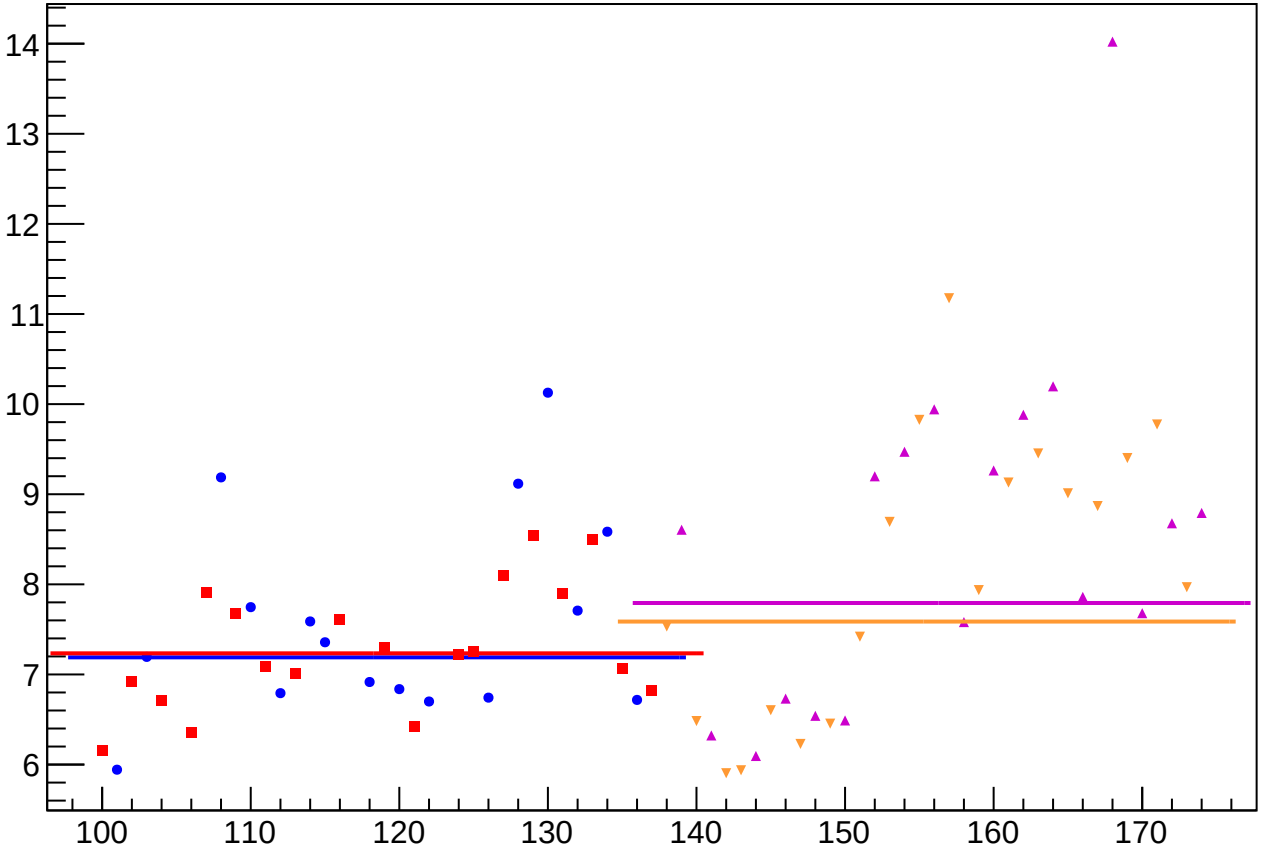
Right: -0.002+/-0.002 χ^2/NDF: 32.8/34

In: -0.000+/-0.002 χ^2/NDF:26.7/33

Out: 0.000+/-0.002 χ^2/NDF:41.4/37

All: 0.000+/-0.001 χ^2/NDF: 68.1/71

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 7.190+/-0.002 χ^2/NDF: 277639.9/15

Left Out: 7.587+/-0.001 χ^2/NDF:1010779.3/18

Right Out: 7.234+/-0.002 χ^2/NDF: 106266.0/18

Left In: 7.793+/-0.001 χ^2/NDF:1158164.5/17

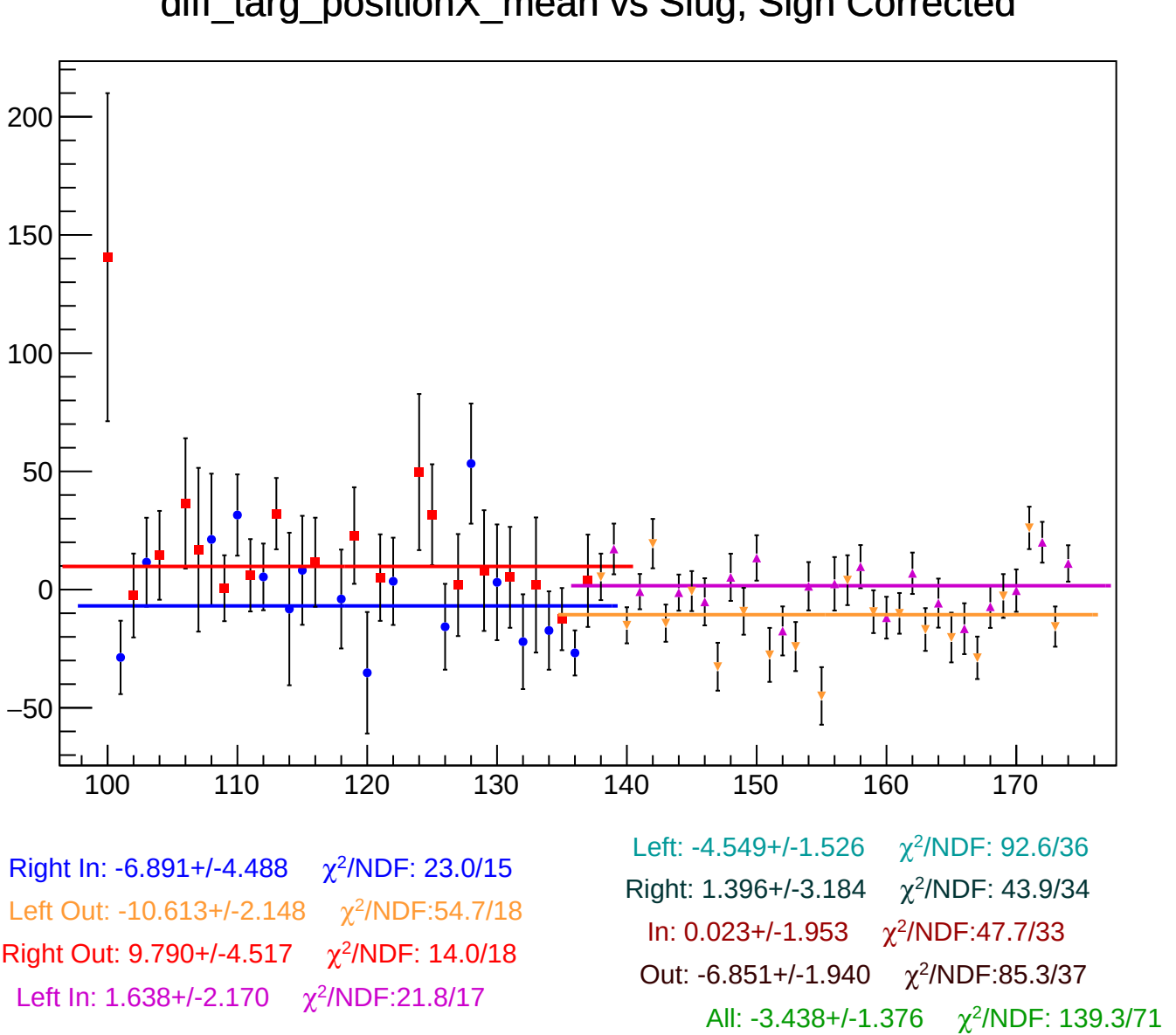
Left: 7.687+/-0.001 χ^2/NDF: 2179188.8/36

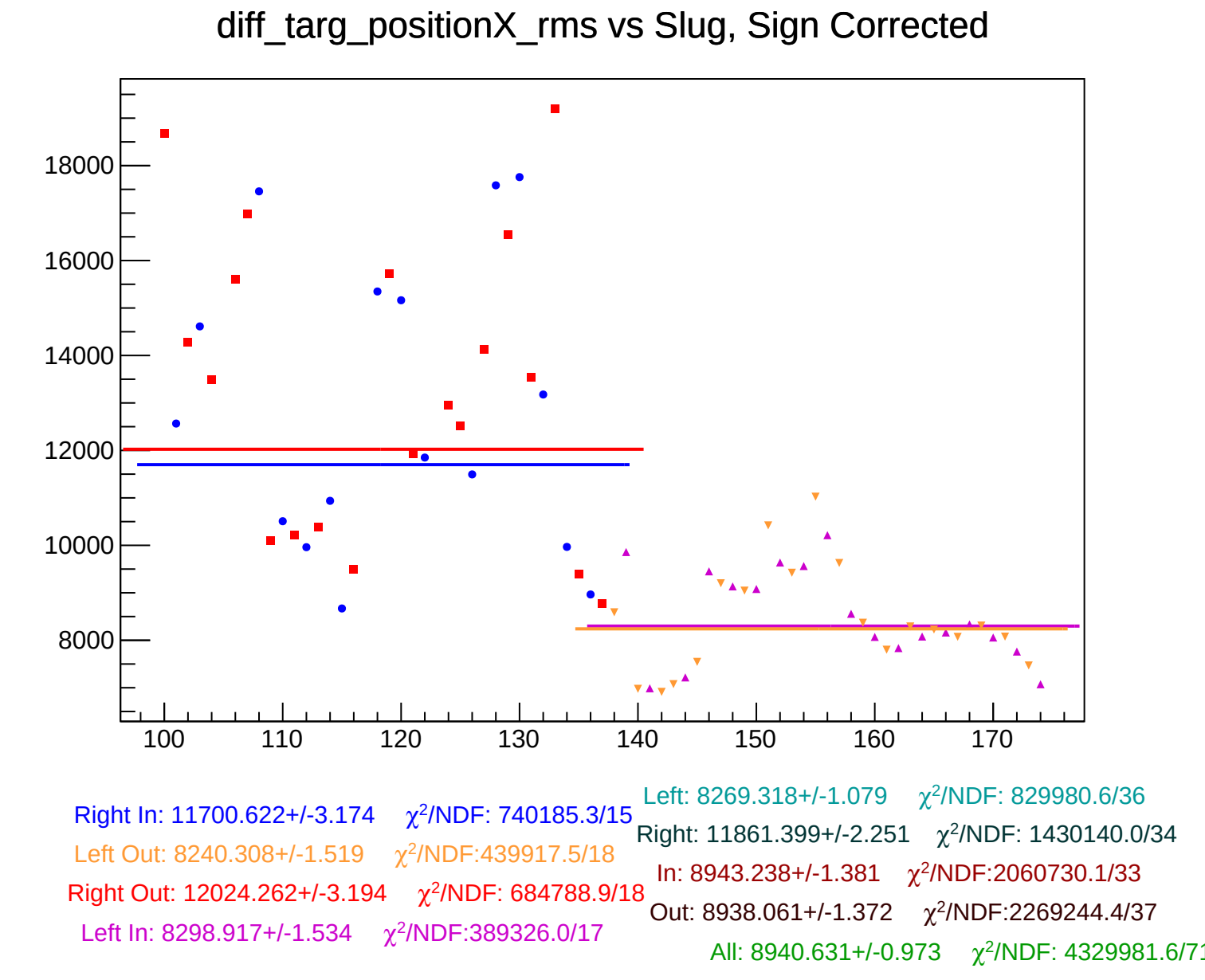
Right: 7.213+/-0.001 χ^2/NDF: 384182.4/34

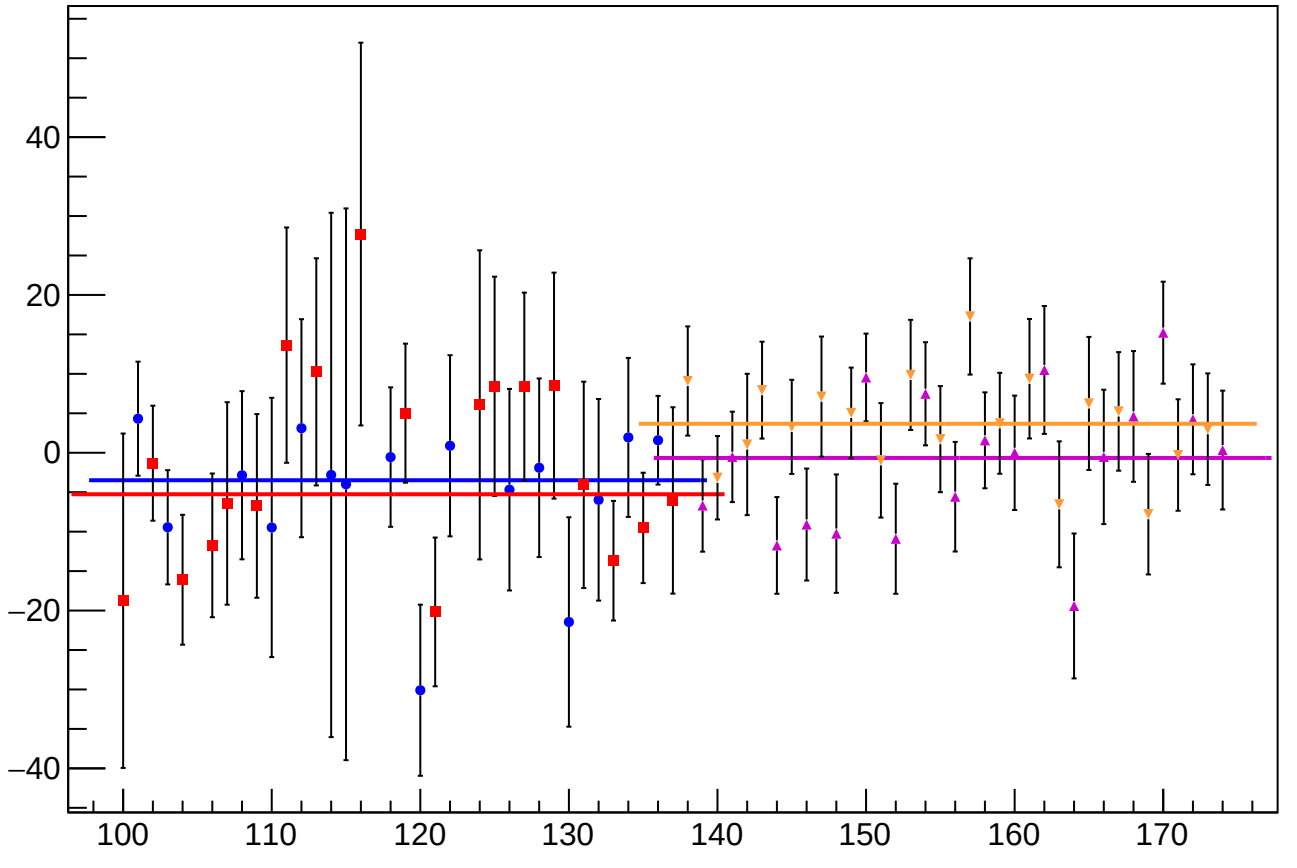
In: 7.571+/-0.001 χ^2/NDF:1498500.9/33

Out: 7.459+/-0.001 χ^2/NDF:1139464.3/37

All: 7.514+/-0.001 χ^2/NDF: 2642728.4/71


diff_targ_positionX_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -6.891+/-4.488 χ²/NDF: 23.0/15
Left Out: -10.613+/-2.148 χ²/NDF:54.7/18
Right Out: 9.790+/-4.517 χ²/NDF: 14.0/18
Left In: 1.638+/-2.170 χ²/NDF:21.8/17
Left: -4.549+/-1.526 χ²/NDF: 92.6/36
Right: 1.396+/-3.184 χ²/NDF: 43.9/34
In: 0.023+/-1.953 χ²/NDF:47.7/33
Out: -6.851+/-1.940 χ²/NDF:85.3/37
All: -3.438+/-1.376 χ²/NDF: 139.3/71


diff_targ_positionX_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 11700.622+/-3.174 χ²/NDF: 740185.3/15
Left Out: 8240.308+/-1.519 χ²/NDF:439917.5/18
Right Out: 12024.262+/-3.194 χ²/NDF: 684788.9/18
Left In: 8298.917+/-1.534 χ²/NDF:389326.0/17
Left: 8269.318+/-1.079 χ²/NDF: 829980.6/36
Right: 11861.399+/-2.251 χ²/NDF: 1430140.0/34
In: 8943.238+/-1.381 χ²/NDF:2060730.1/33
Out: 8938.061+/-1.372 χ²/NDF:2269244.4/37
All: 8940.631+/-0.973 χ²/NDF: 4329981.6/71



Right In: -3.485+/-2.550 χ^2/NDF: 11.5/15

Left Out: 3.674+/-1.585 χ^2/NDF:12.7/18

Right Out: -5.259+/-2.446 χ^2/NDF: 16.6/18

Left In: -0.659+/-1.612 χ^2/NDF:28.1/17

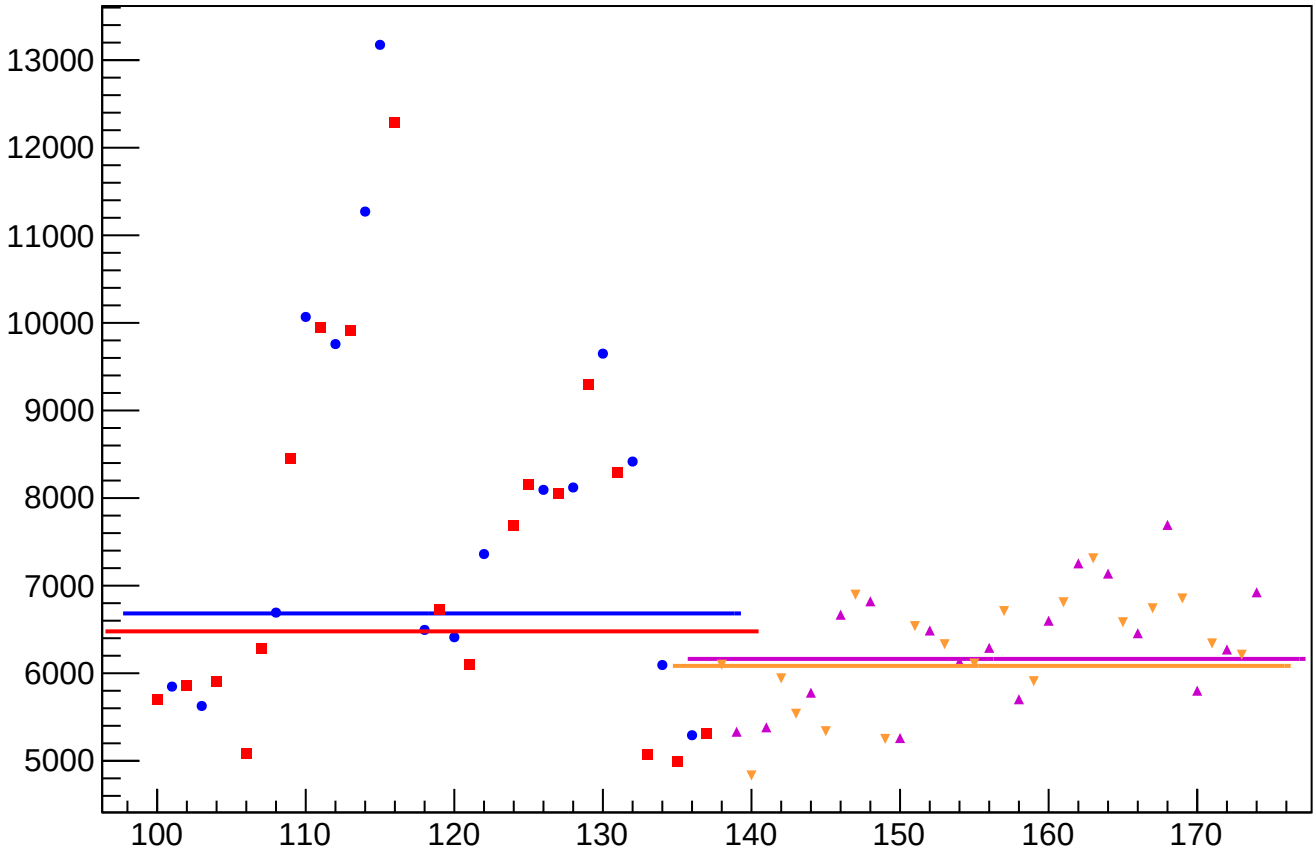
Left: 1.544+/-1.130 χ^2/NDF: 44.5/36

Right: -4.409+/-1.765 χ^2/NDF: 28.3/34

In: -1.466+/-1.363 χ^2/NDF:40.5/33

Out: 1.032+/-1.330 χ^2/NDF:38.7/37

All: -0.187+/-0.952 χ^2/NDF: 80.9/71



Right In: 6682.988+/-1.803 χ^2/NDF: 692200.2/15

Left Out: 6084.114+/-1.121 χ^2/NDF:362435.6/18

Right Out: 6478.126+/-1.730 χ^2/NDF: 839226.8/18

Left In: 6163.698+/-1.140 χ^2/NDF:344059.5/17

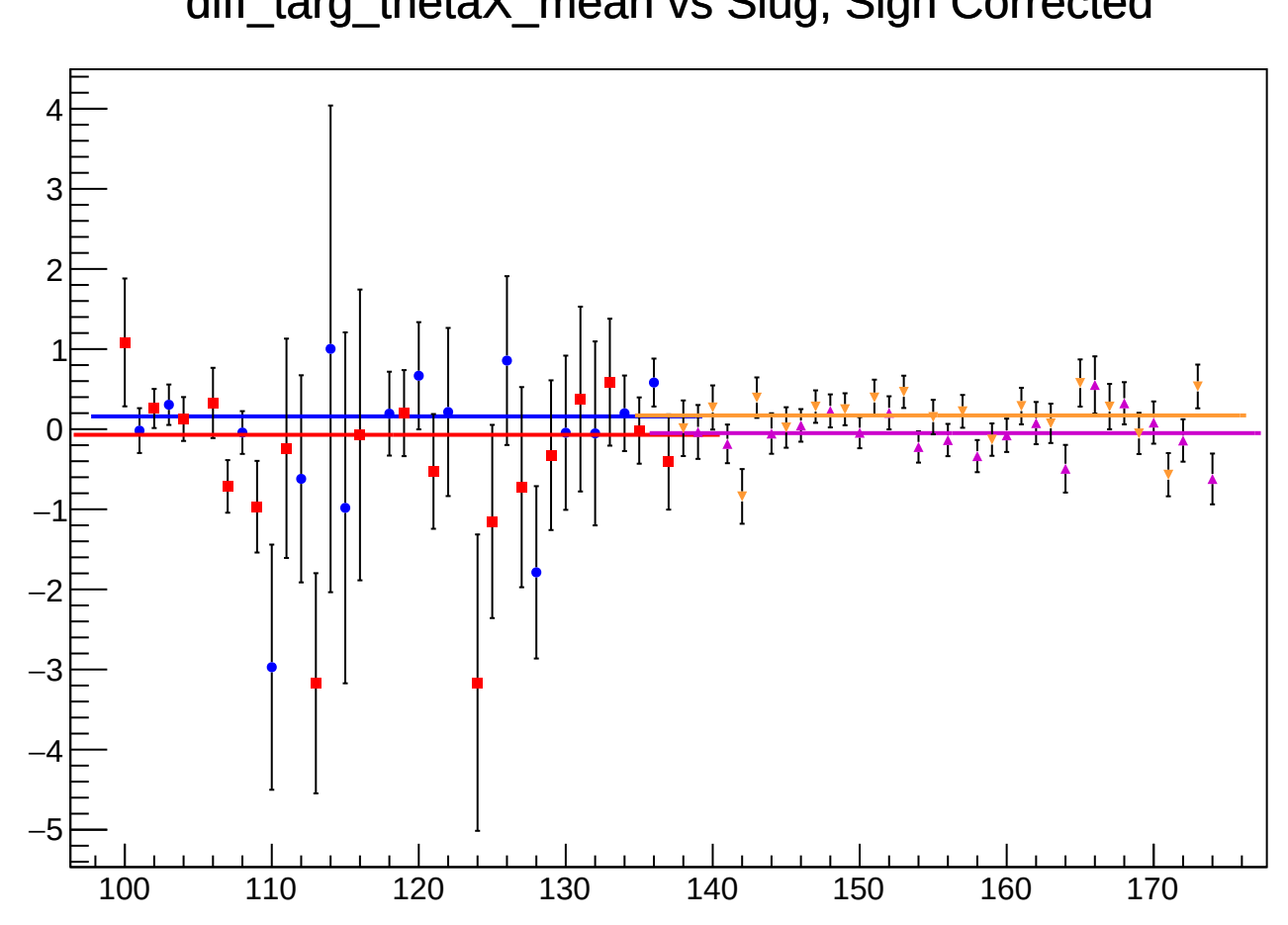
Left: 6123.235+/-0.799 χ^2/NDF: 708973.1/36

Right: 6576.323+/-1.248 χ^2/NDF: 1538150.0/34

In: 6312.017+/-0.964 χ^2/NDF:1095528.1/33

Out: 6200.632+/-0.941 χ^2/NDF:1238202.0/37

All: 6254.989+/-0.673 χ^2/NDF: 2340572.4/71



Right In: 0.160+/-0.120 χ^2/NDF: 12.6/15

Left Out: 0.172+/-0.055 χ^2/NDF:28.6/18

Right Out: -0.070+/-0.120 χ^2/NDF: 22.5/18

Left In: -0.049+/-0.055 χ^2/NDF:17.8/17

Left: 0.062+/-0.039 χ^2/NDF: 54.4/36

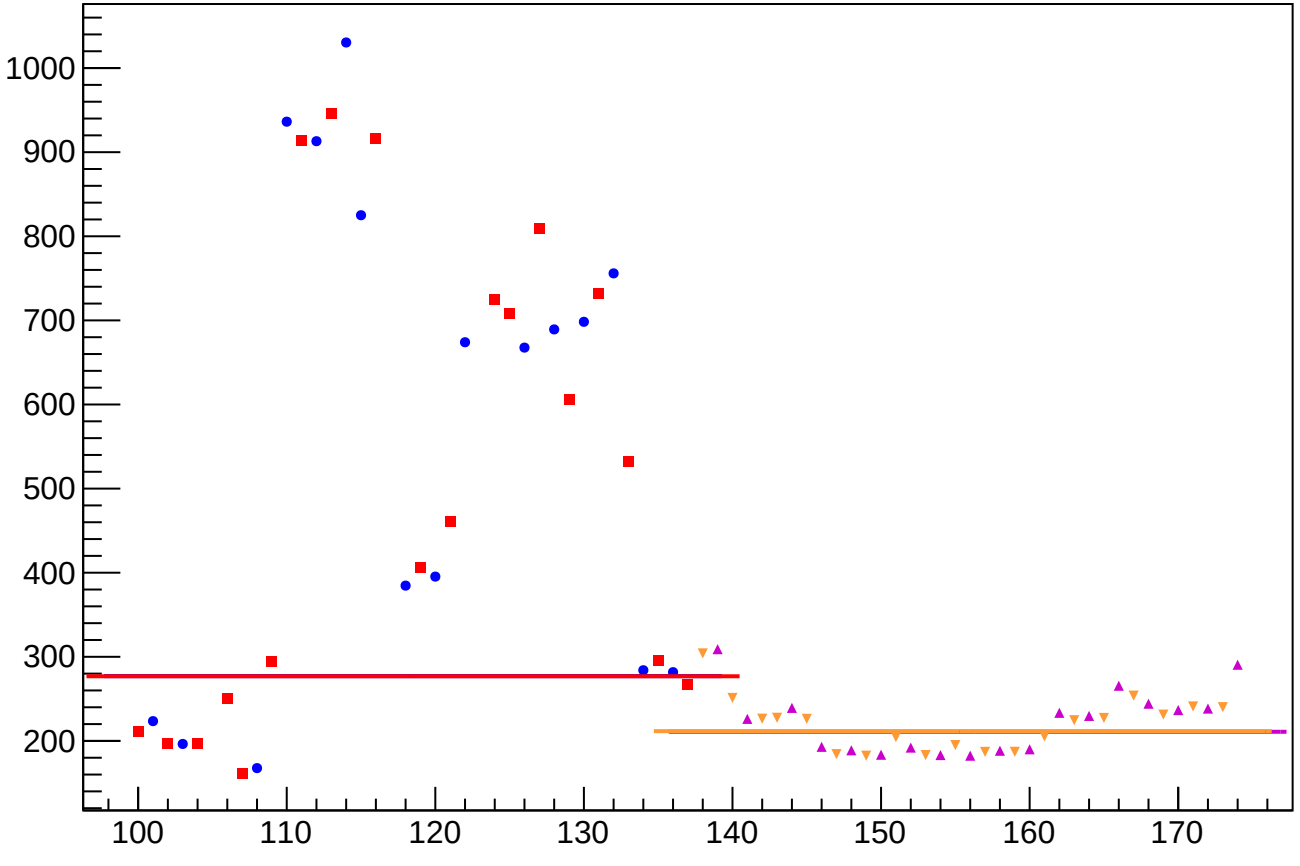
Right: 0.045+/-0.085 χ^2/NDF: 36.9/34

In: -0.012+/-0.050 χ^2/NDF:32.9/33

Out: 0.129+/-0.050 χ^2/NDF:54.5/37

All: 0.059+/-0.036 χ^2/NDF: 91.3/71

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 277.017+/-0.085 χ^2/NDF: 3450533.8/15

Left Out: 211.585+/-0.039 χ^2/NDF:507165.1/18

Right Out: 276.866+/-0.085 χ^2/NDF: 3571620.7/18

Left In: 210.869+/-0.039 χ^2/NDF:692703.2/17

Left: 211.228+/-0.028 χ^2/NDF: 1200035.5/36

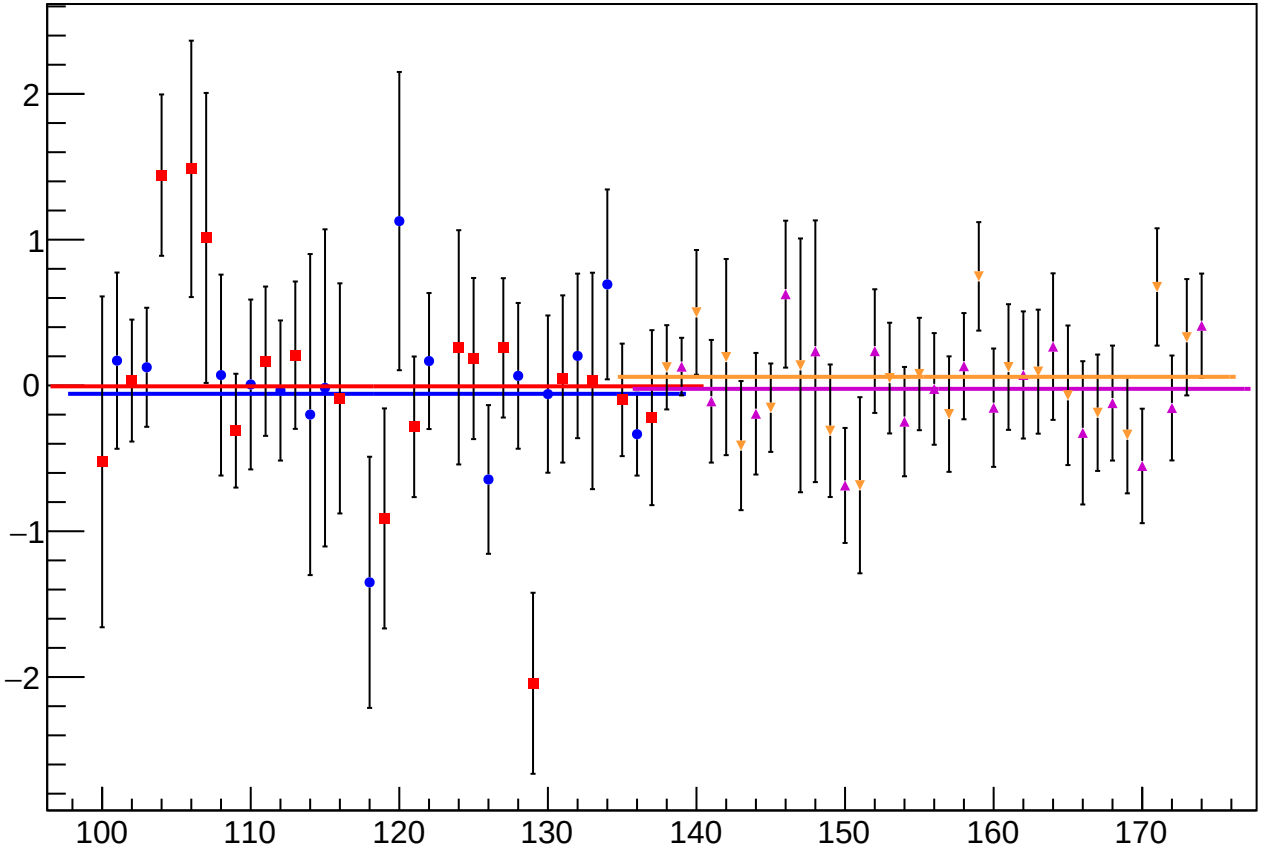
Right: 276.942+/-0.060 χ^2/NDF: 7022156.1/34

In: 222.591+/-0.036 χ^2/NDF:4646776.2/33

Out: 223.051+/-0.035 χ^2/NDF:4569175.8/37

All: 222.822+/-0.025 χ^2/NDF: 9216035.8/71

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: -0.057+/-0.134 χ^2/NDF: 8.1/15

Left Out: 0.059+/-0.095 χ^2/NDF:13.1/18

Right Out: -0.006+/-0.129 χ^2/NDF: 25.2/18

Left In: -0.023+/-0.090 χ^2/NDF:10.6/17

Left: 0.016+/-0.065 χ^2/NDF: 24.1/36

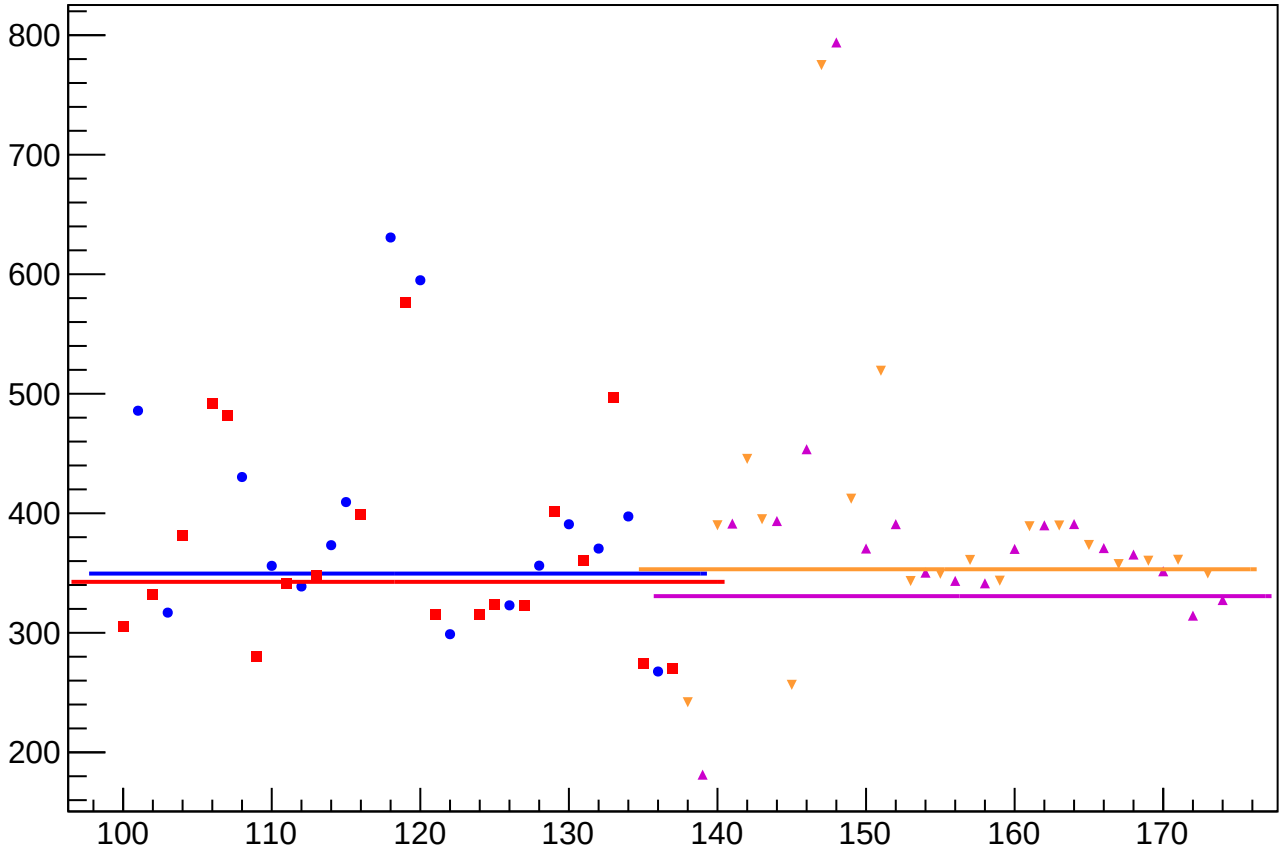
Right: -0.031+/-0.093 χ^2/NDF: 33.4/34

In: -0.034+/-0.075 χ^2/NDF:18.8/33

Out: 0.036+/-0.076 χ^2/NDF:38.4/37

All: 0.001+/-0.053 χ^2/NDF: 57.6/71

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 349.560+/-0.095 χ^2/NDF: 699303.9/15

Left Out: 353.171+/-0.067 χ^2/NDF:1262691.9/18

Right Out: 342.641+/-0.091 χ^2/NDF: 575759.9/18

Left In: 330.684+/-0.064 χ^2/NDF:2075686.2/17

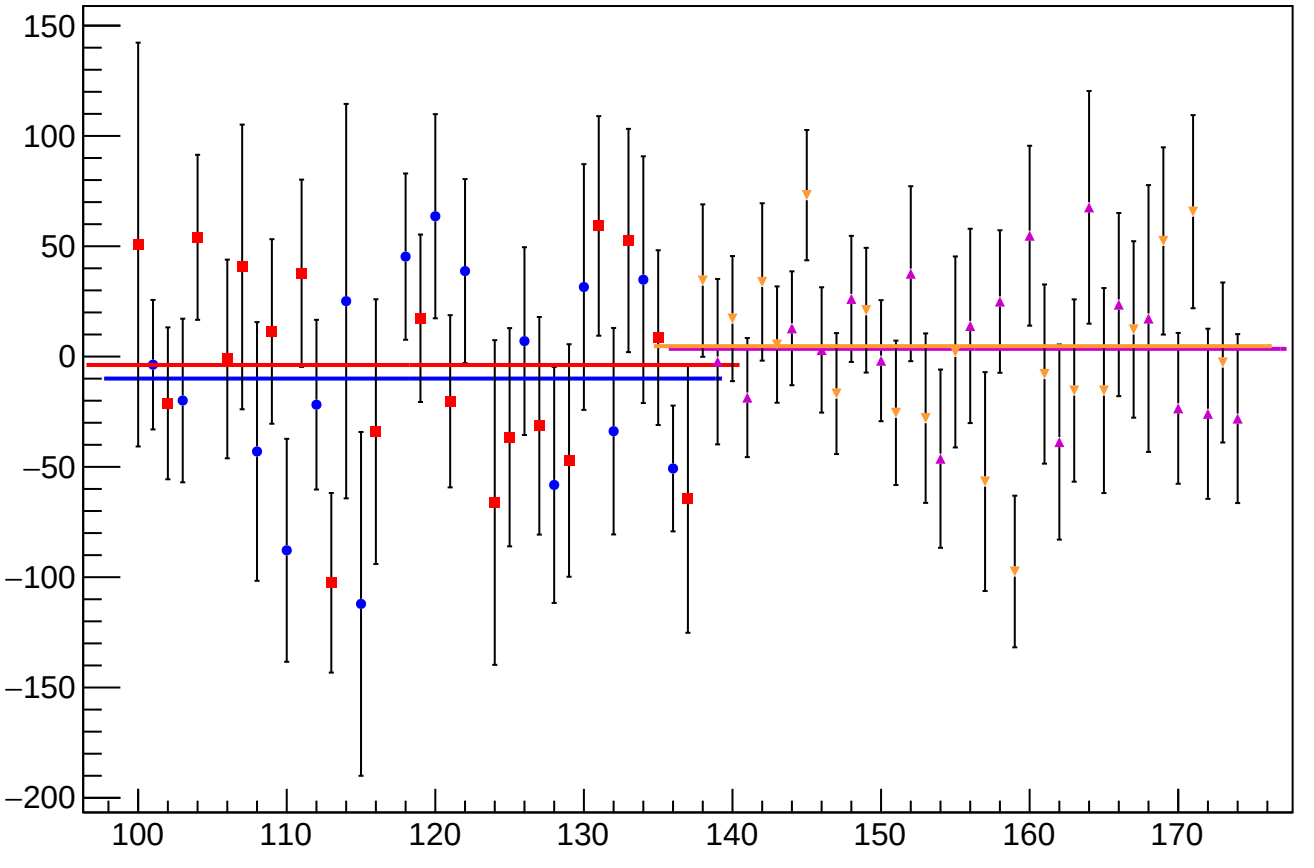
Left: 341.375+/-0.046 χ^2/NDF: 3397786.3/36

Right: 345.972+/-0.066 χ^2/NDF: 1277836.8/34

In: 336.561+/-0.053 χ^2/NDF:2802402.4/33

Out: 349.491+/-0.054 χ^2/NDF:1847130.3/37

All: 342.892+/-0.038 χ^2/NDF: 4678909.0/71



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.494+/-8.265 χ^2/NDF:10.4/17

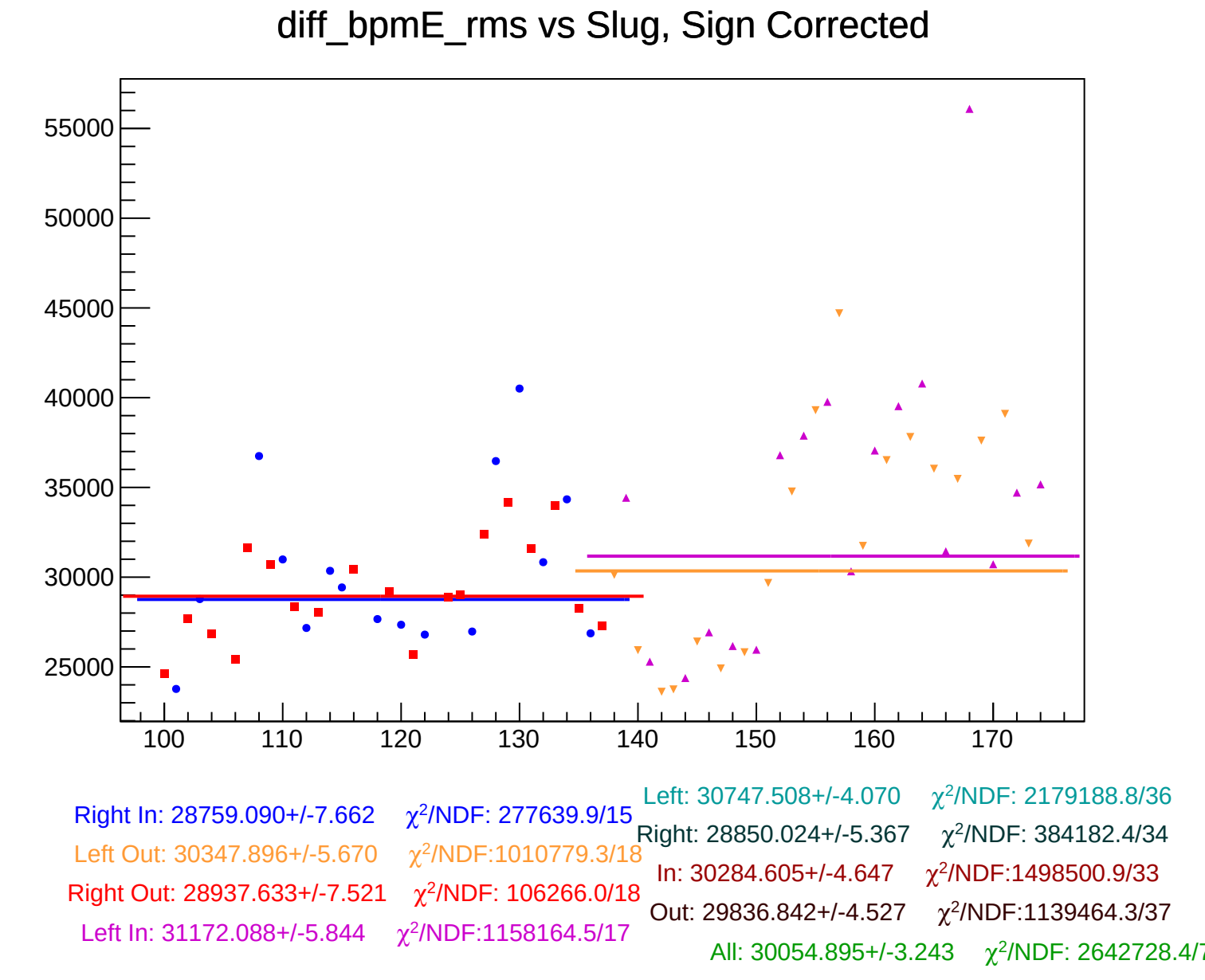
Left: 4.127+/-5.755 χ^2/NDF: 34.1/36

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

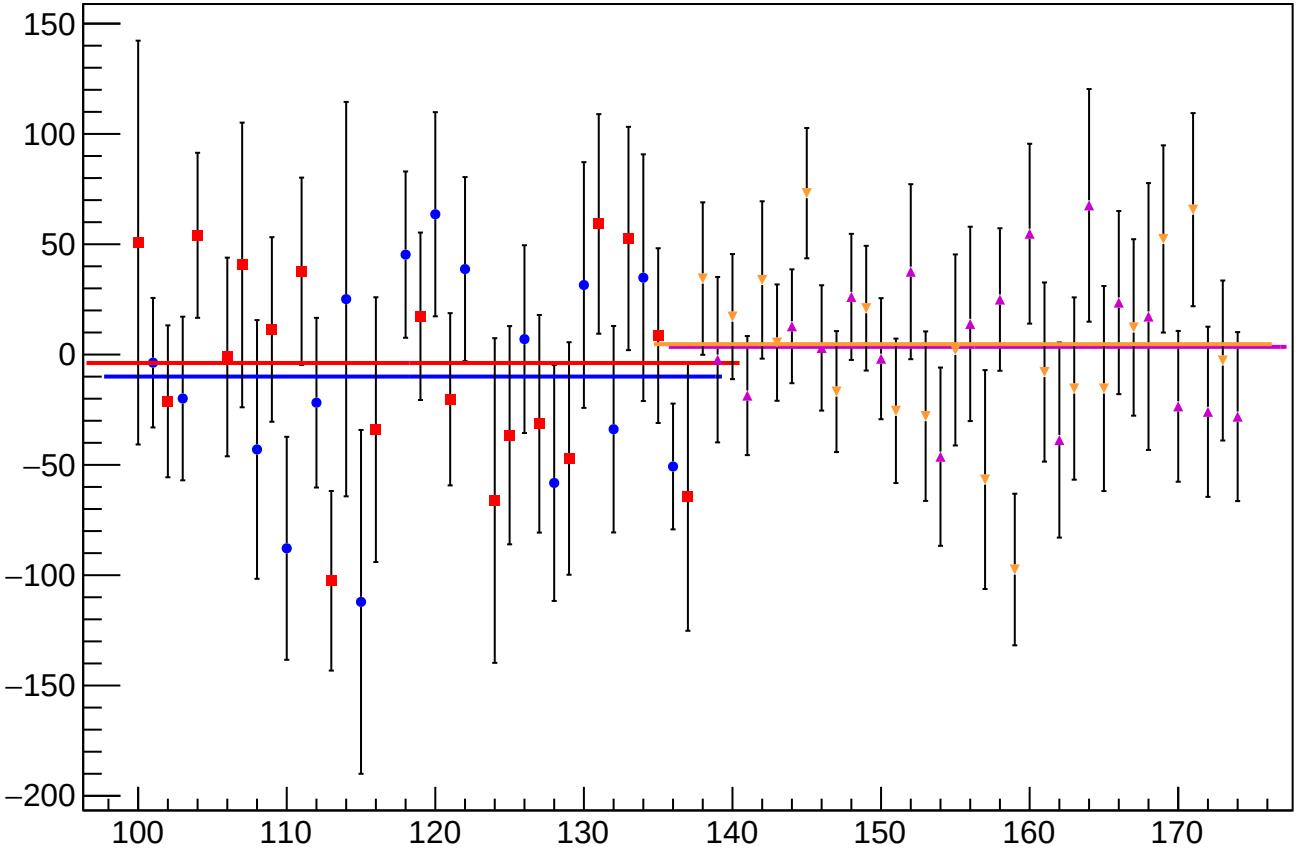
In: -1.457+/-6.572 χ^2/NDF:26.7/33

Out: 1.630+/-6.403 χ^2/NDF:41.4/37

All: 0.126+/-4.586 χ^2/NDF: 68.1/71


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30347.896+/-5.670 χ²/NDF:1010779.3/18
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
Left: 30747.508+/-4.070 χ²/NDF: 2179188.8/36
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30284.605+/-4.647 χ²/NDF:1498500.9/33
Out: 29836.842+/-4.527 χ²/NDF:1139464.3/37
All: 30054.895+/-3.243 χ²/NDF: 2642728.4/7

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.494+/-8.265 χ^2/NDF:10.4/17

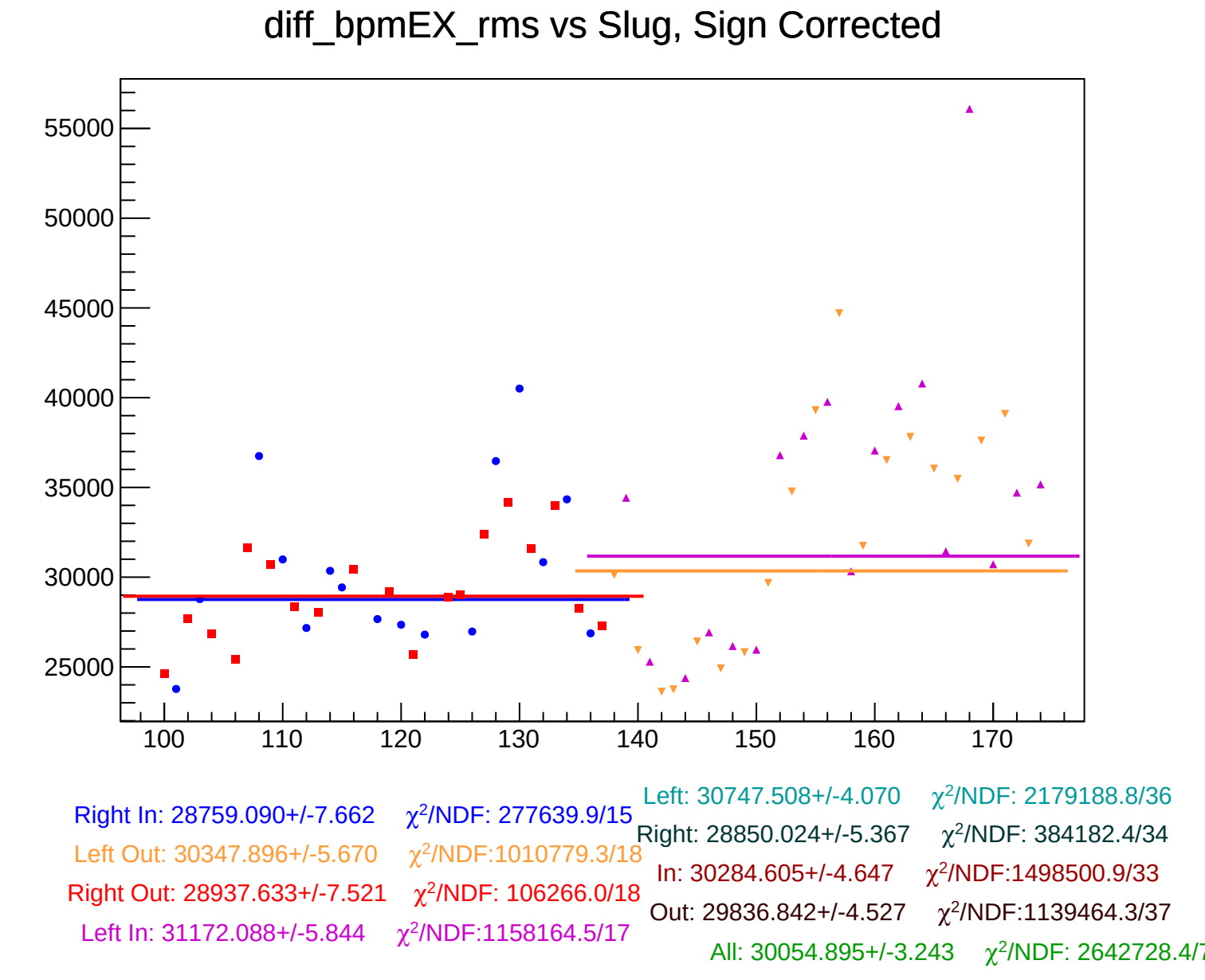
Left: 4.127+/-5.755 χ^2/NDF: 34.1/36

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

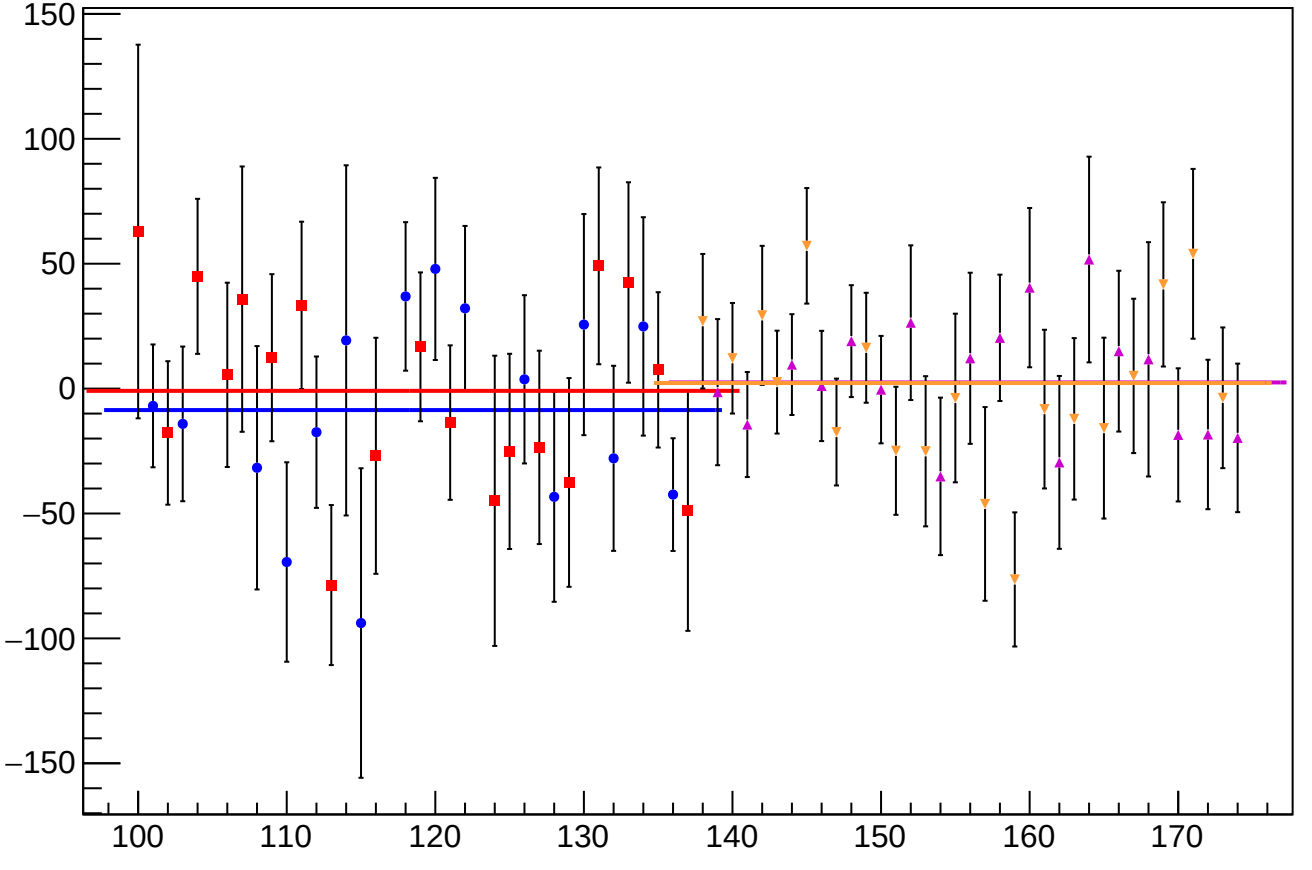
In: -1.457+/-6.572 χ^2/NDF:26.7/33

Out: 1.630+/-6.403 χ^2/NDF:41.4/37

All: 0.126+/-4.586 χ^2/NDF: 68.1/71


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: 30347.896+/-5.670 χ²/NDF:1010779.3/18
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
Left: 30747.508+/-4.070 χ²/NDF: 2179188.8/36
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30284.605+/-4.647 χ²/NDF:1498500.9/33
Out: 29836.842+/-4.527 χ²/NDF:1139464.3/37
All: 30054.895+/-3.243 χ²/NDF: 2642728.4/7

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -8.599+/-8.678 χ^2/NDF: 15.5/15

Left Out: 2.233+/-6.255 χ^2/NDF:25.4/18

Right Out: -0.904+/-8.506 χ^2/NDF: 17.6/18

Left In: 2.465+/-6.449 χ^2/NDF:9.5/17

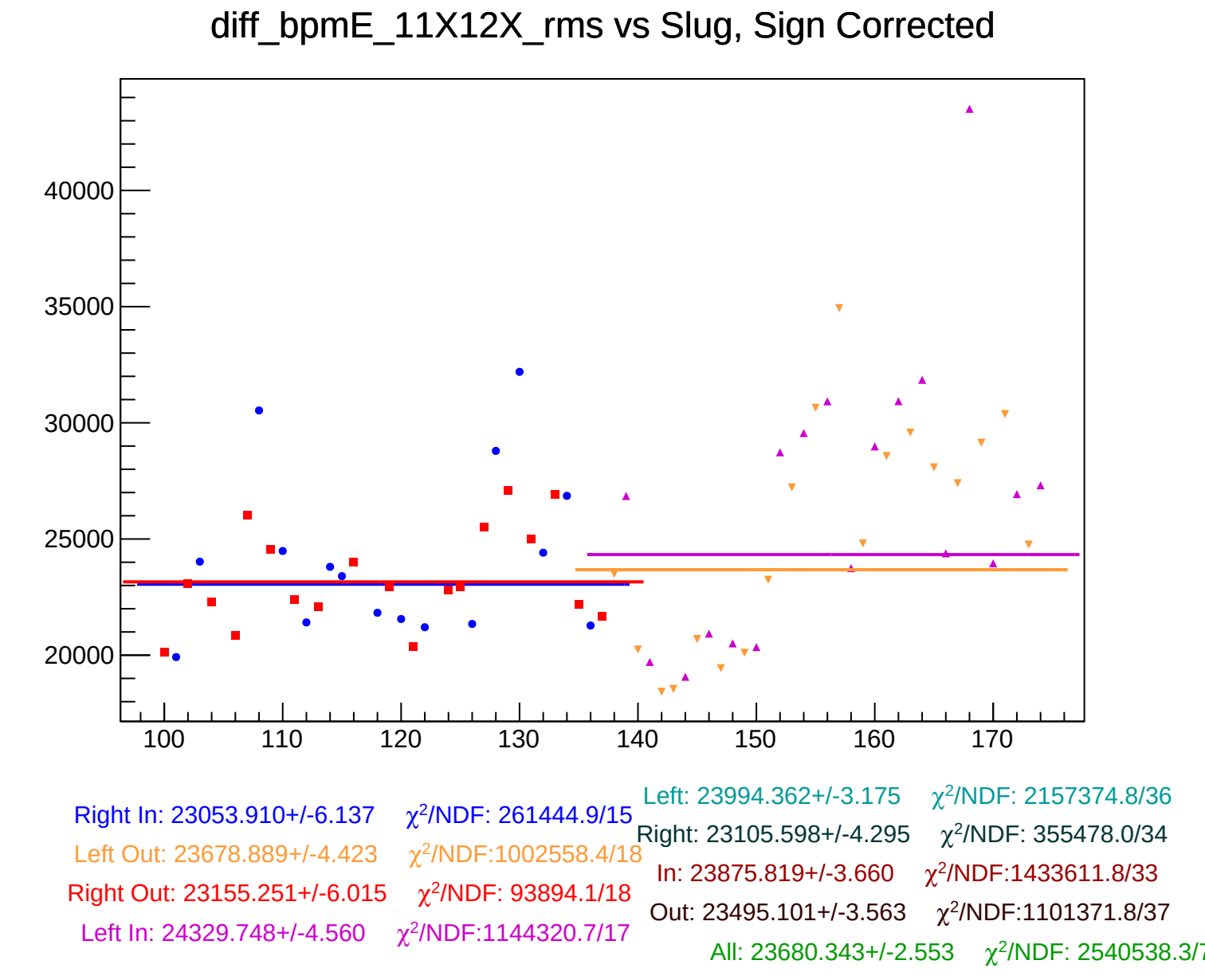
Left: 2.346+/-4.490 χ^2/NDF: 34.9/36

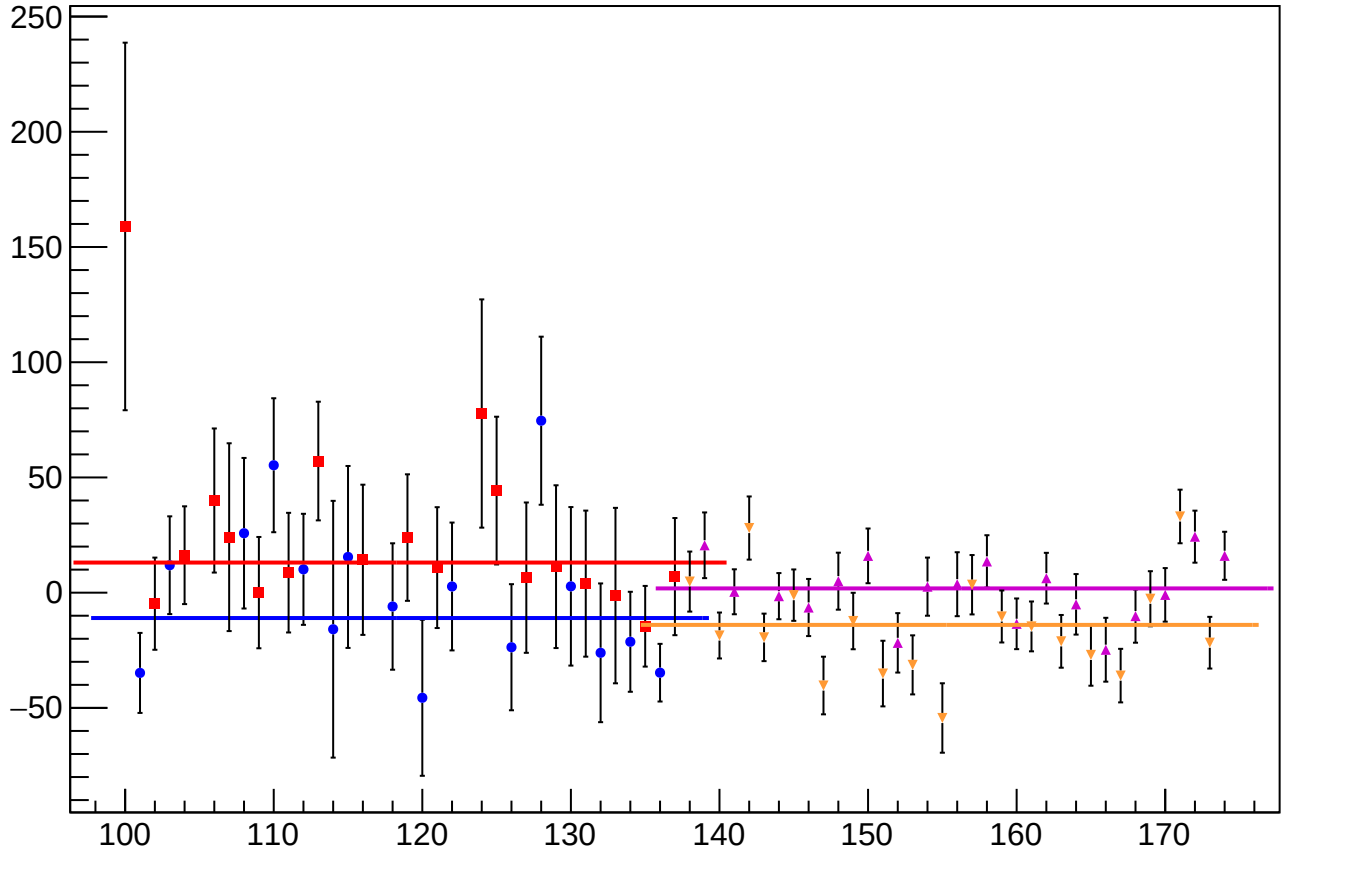
Right: -4.674+/-6.075 χ^2/NDF: 33.5/34

In: -1.472+/-5.177 χ^2/NDF:26.1/33

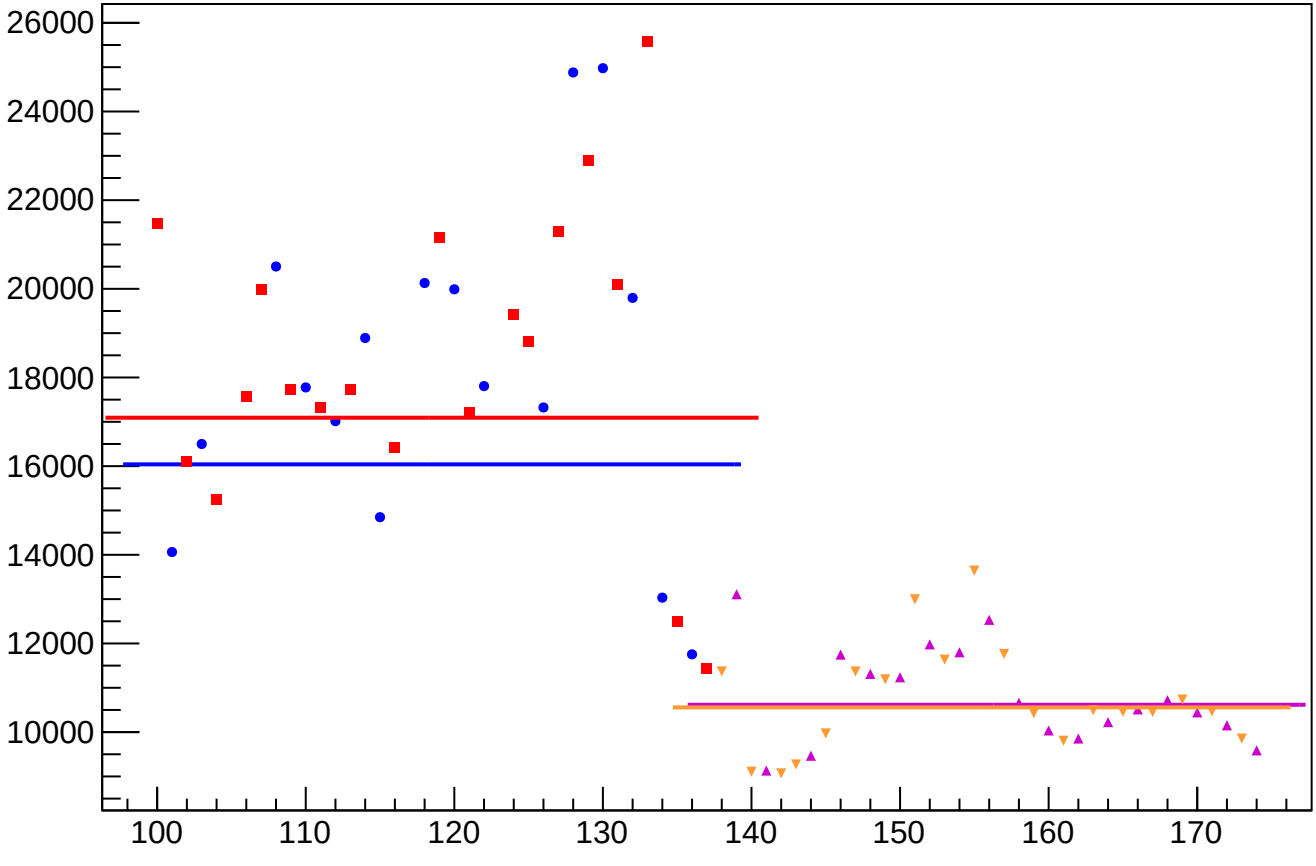
Out: 1.132+/-5.039 χ^2/NDF:43.0/37

All: -0.135+/-3.611 χ^2/NDF: 69.2/71


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
110
120
130
140
150
160
170
Right In: 23053.910+/-6.137 χ²/NDF: 261444.9/15
Left Out: 23678.889+/-4.423 χ²/NDF:1002558.4/18
Right Out: 23155.251+/-6.015 χ²/NDF: 93894.1/18
Left In: 24329.748+/-4.560 χ²/NDF:1144320.7/17
Left: 23994.362+/-3.175 χ²/NDF: 2157374.8/36
Right: 23105.598+/-4.295 χ²/NDF: 355478.0/34
In: 23875.819+/-3.660 χ²/NDF:1433611.8/33
Out: 23495.101+/-3.563 χ²/NDF:1101371.8/37
All: 23680.343+/-2.553 χ²/NDF: 2540538.3/7


diff_bpm4aesumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: -11.002+/-6.155 χ²/NDF: 22.0/15
Left Out: -13.981+/-2.746 χ²/NDF:53.6/18
Right Out: 13.071+/-6.382 χ²/NDF: 13.9/18
Left In: 1.848+/-2.771 χ²/NDF:21.2/17
Left: -6.138+/-1.950 χ²/NDF: 91.3/36
Right: 0.599+/-4.430 χ²/NDF: 43.3/34
In: -0.317+/-2.527 χ²/NDF:46.9/33
Out: -9.755+/-2.522 χ²/NDF:82.6/37
All: -5.044+/-1.785 χ²/NDF: 136.5/71

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 16040.060+/-4.352 χ^2/NDF: 722678.9/15

Left Out: 10557.380+/-1.942 χ^2/NDF:317122.0/18

Right Out: 17092.658+/-4.513 χ^2/NDF: 535464.0/18

Left In: 10616.784+/-1.959 χ^2/NDF:280962.7/17

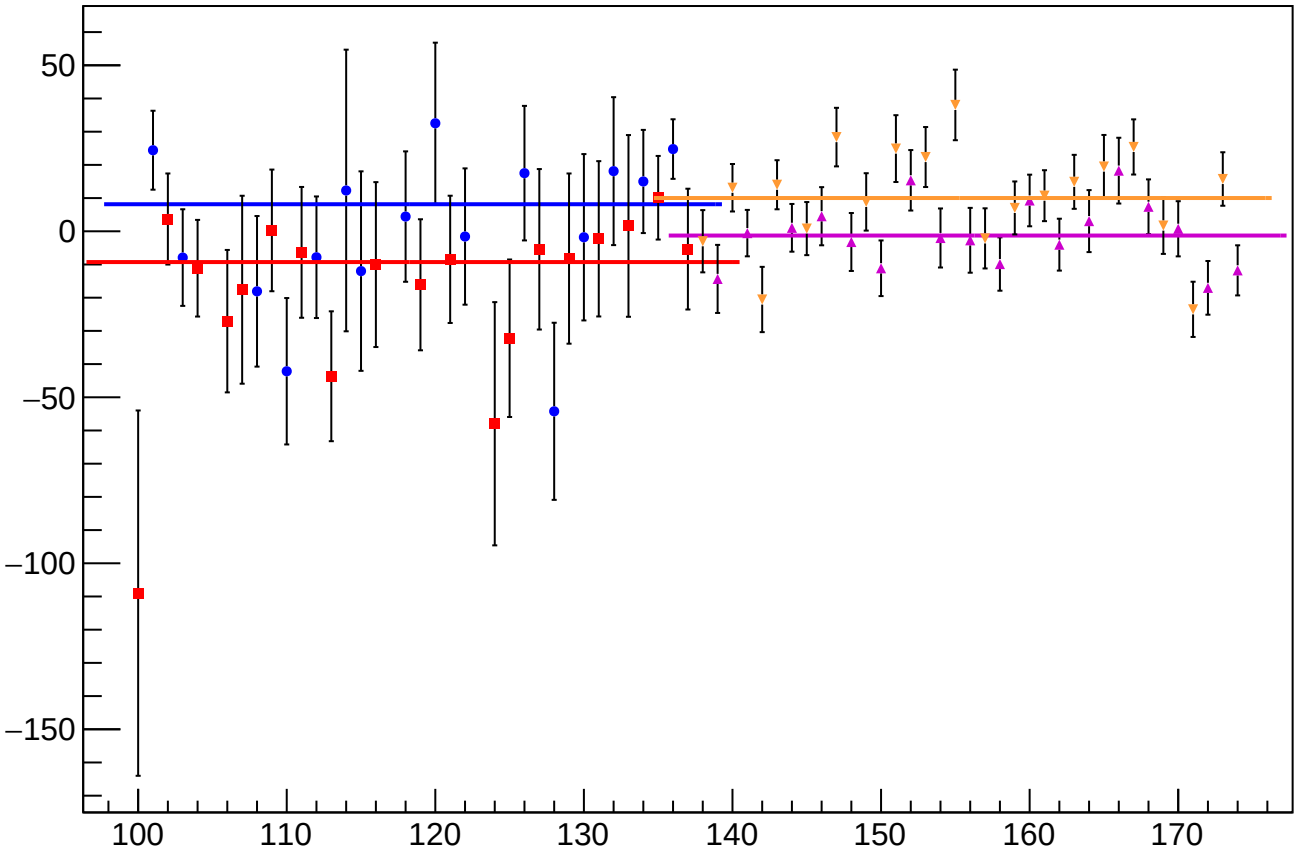
Left: 10586.815+/-1.379 χ^2/NDF: 598548.5/36

Right: 16547.306+/-3.133 χ^2/NDF: 1286331.2/34

In: 11530.600+/-1.787 χ^2/NDF:2294780.8/33

Out: 11578.258+/-1.784 χ^2/NDF:2622255.0/37

All: 11554.468+/-1.262 χ^2/NDF: 4917392.2/7



Right In: 8.150+/-4.423 χ^2/NDF: 21.8/15

Left Out: 10.019+/-1.955 χ^2/NDF:53.2/18

Right Out: -9.270+/-4.607 χ^2/NDF: 13.9/18

Left In: -1.281+/-1.972 χ^2/NDF:21.1/17

Left: 4.418+/-1.389 χ^2/NDF: 90.8/36

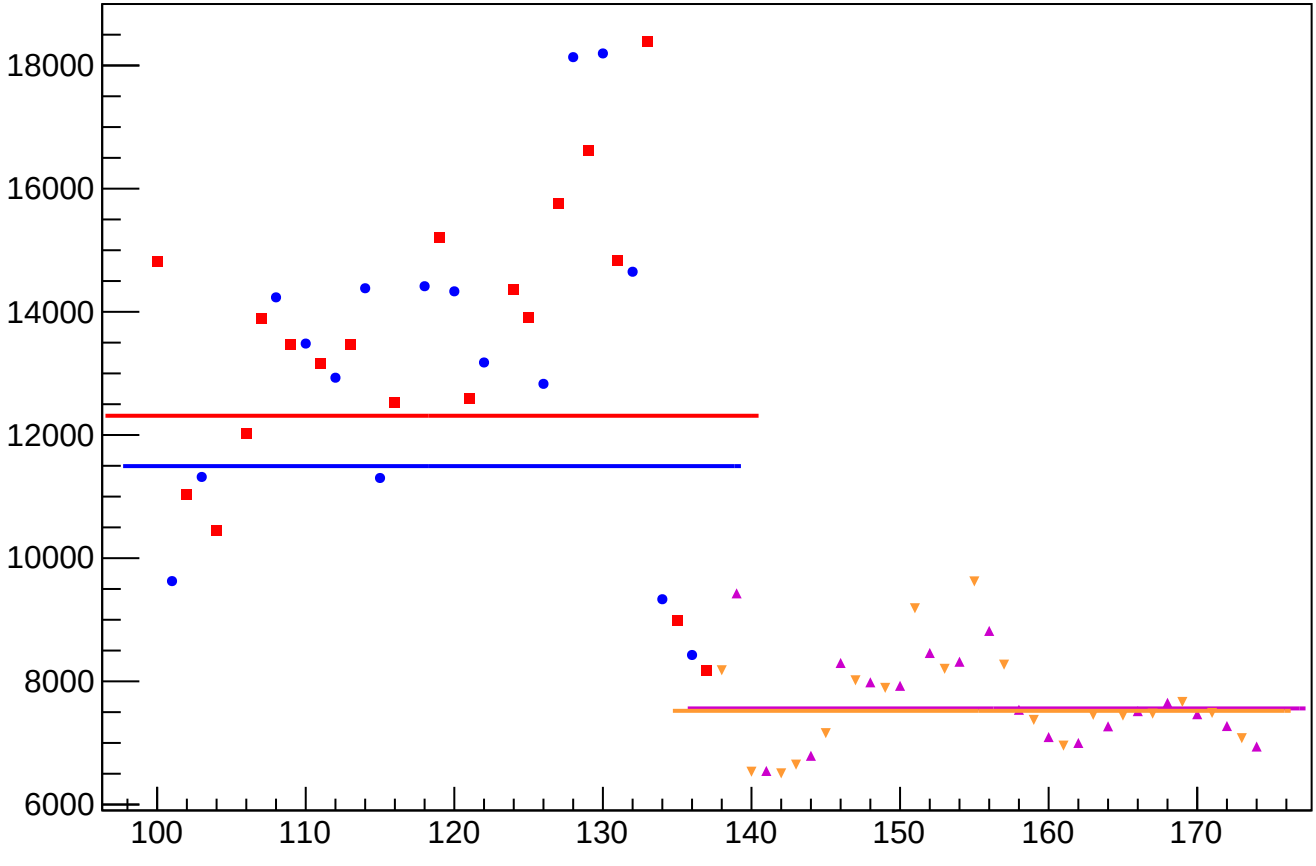
Right: -0.204+/-3.191 χ^2/NDF: 43.1/34

In: 0.283+/-1.801 χ^2/NDF:46.7/33

Out: 7.075+/-1.800 χ^2/NDF:81.9/37

All: 3.682+/-1.273 χ^2/NDF: 135.7/71

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 11494.969+/-3.127 χ^2/NDF: 789990.1/15

Left Out: 7521.593+/-1.383 χ^2/NDF:288084.8/18

Right Out: 12312.550+/-3.258 χ^2/NDF: 598755.3/18

Left In: 7560.409+/-1.395 χ^2/NDF:257409.8/17

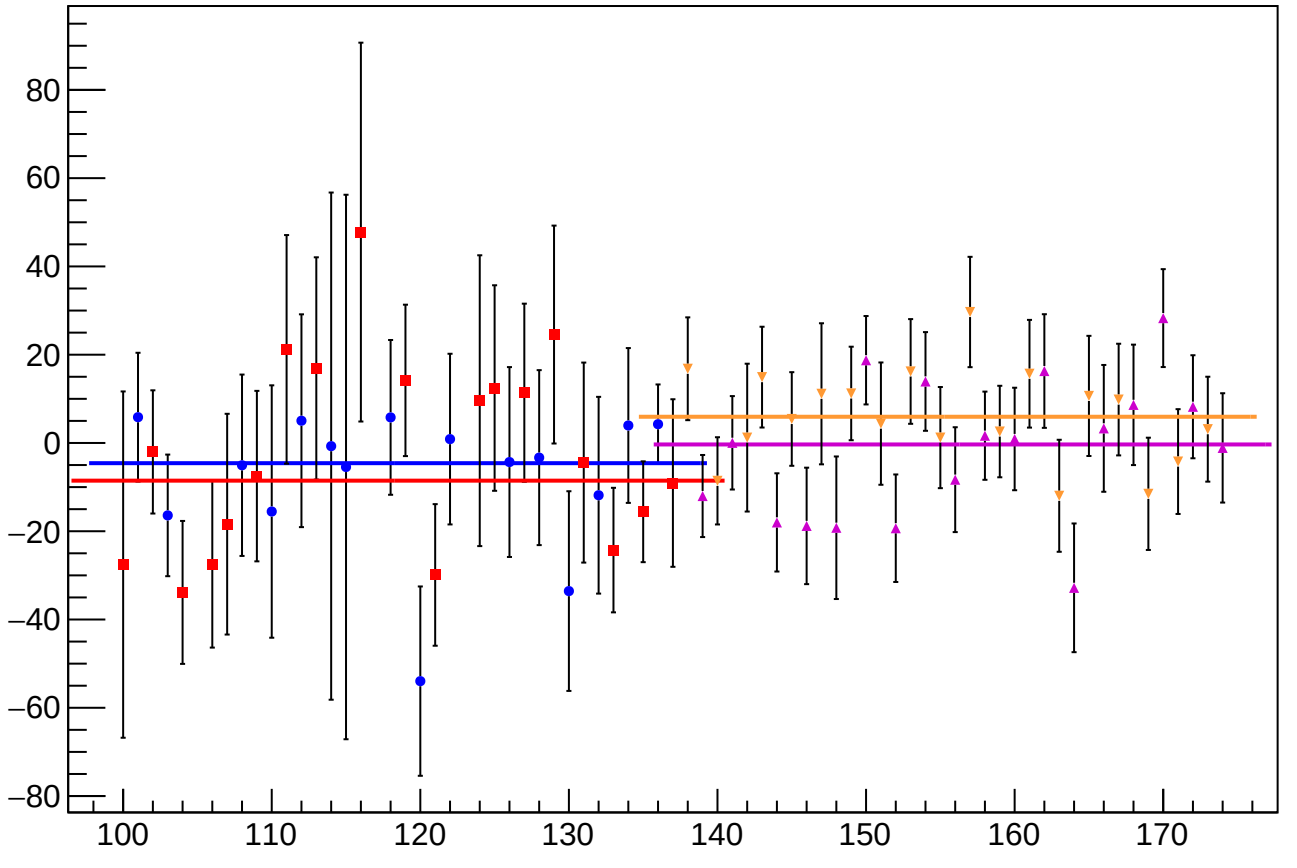
Left: 7540.833+/-0.982 χ^2/NDF: 545885.3/36

Right: 11887.075+/-2.256 χ^2/NDF: 1421522.1/34

In: 8213.046+/-1.274 χ^2/NDF:2367644.0/33

Out: 8252.812+/-1.273 χ^2/NDF:2719489.0/37

All: 8232.944+/-0.900 χ^2/NDF: 5087620.7/71



Right In: -4.578+/-4.554 χ^2/NDF: 10.2/15

Left Out: 5.940+/-2.761 χ^2/NDF:14.2/18

Right Out: -8.537+/-4.392 χ^2/NDF: 17.2/18

Left In: -0.337+/-2.770 χ^2/NDF:29.9/17

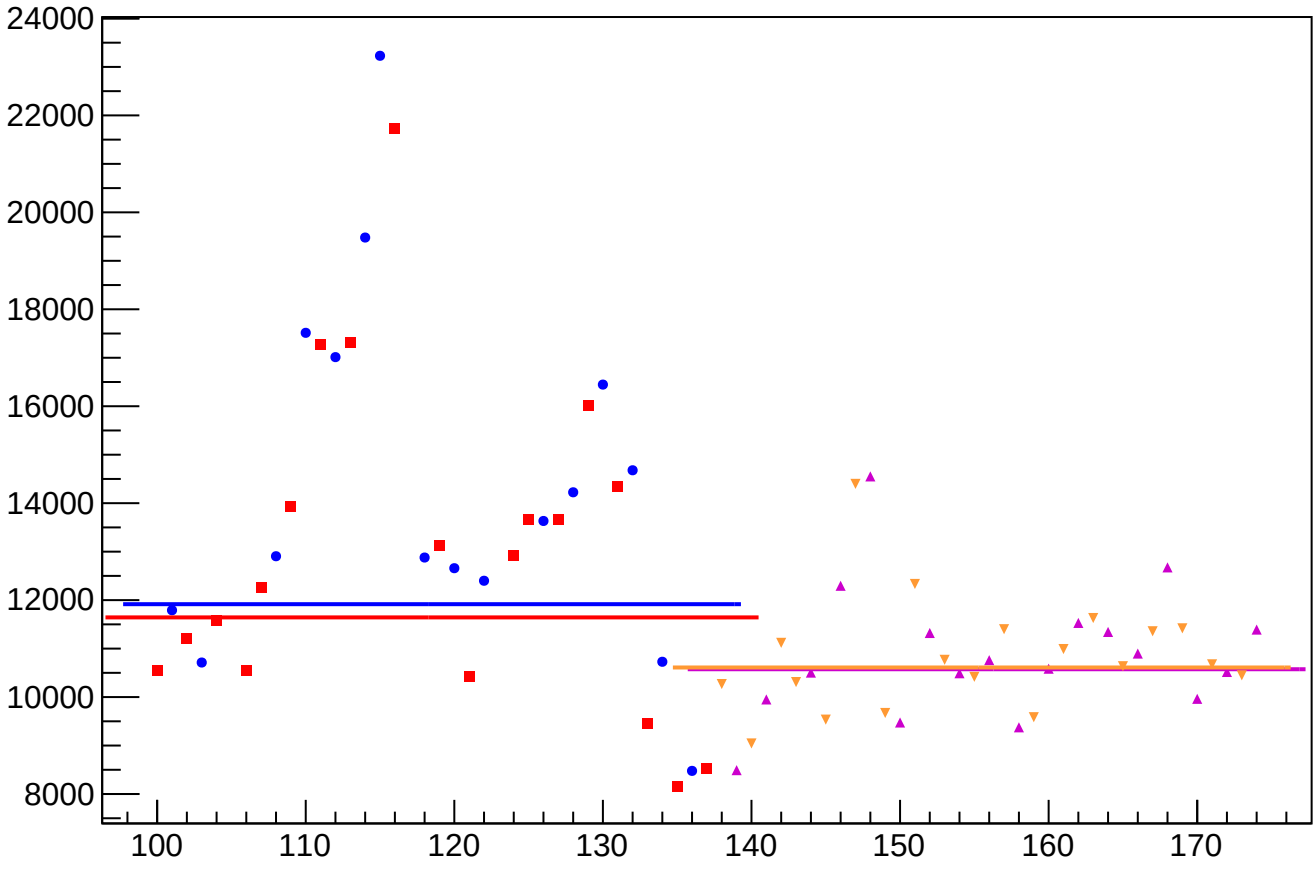
Left: 2.811+/-1.956 χ^2/NDF: 46.8/36

Right: -6.629+/-3.161 χ^2/NDF: 27.8/34

In: -1.482+/-2.367 χ^2/NDF:40.8/33

Out: 1.839+/-2.338 χ^2/NDF:39.2/37

All: 0.198+/-1.663 χ^2/NDF: 81.0/71



Right In: 11916.355+/-3.220 χ^2/NDF: 749775.2/15

Left Out: 10610.266+/-1.953 χ^2/NDF:293664.9/18

Right Out: 11643.622+/-3.106 χ^2/NDF: 790359.6/18

Left In: 10574.233+/-1.959 χ^2/NDF:403462.7/17

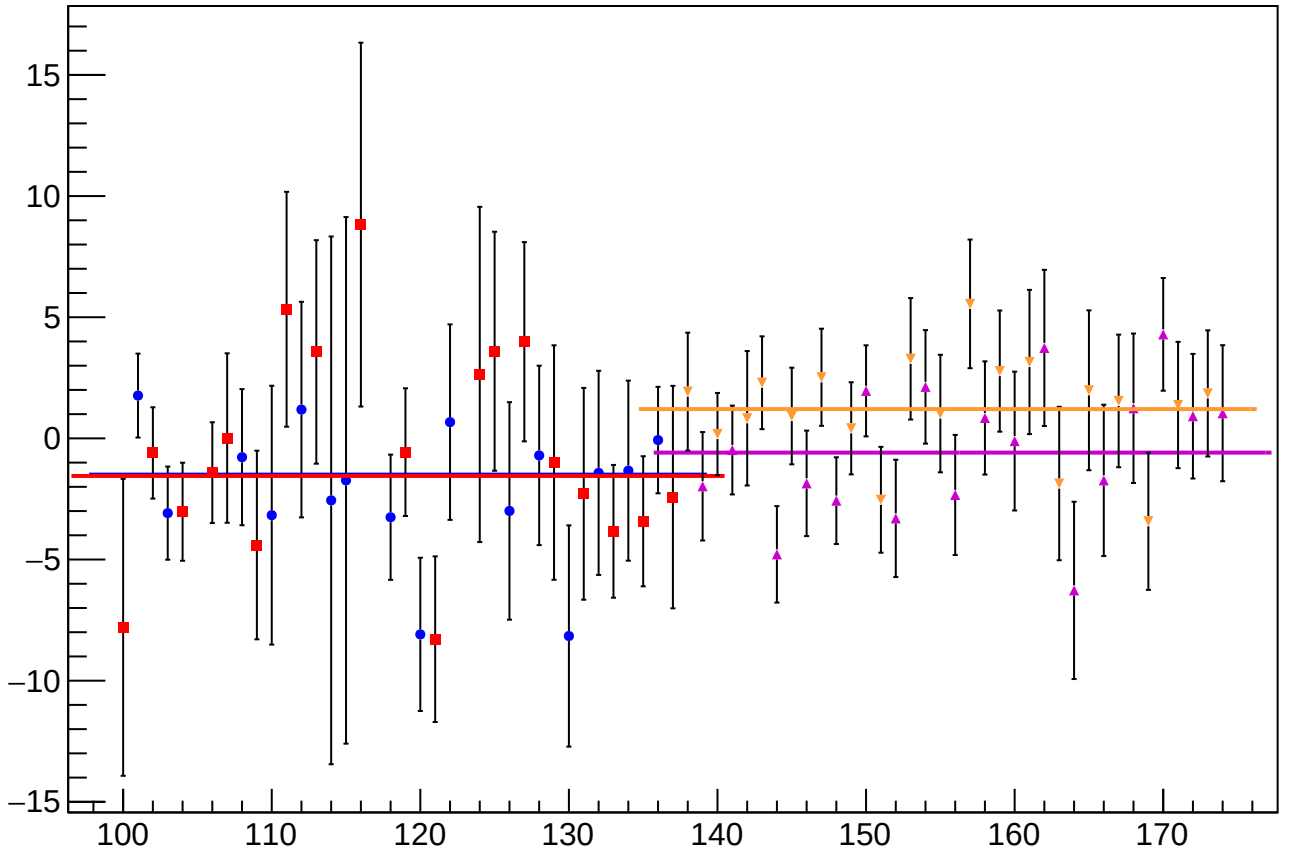
Left: 10592.307+/-1.383 χ^2/NDF: 697297.4/36

Right: 11775.058+/-2.235 χ^2/NDF: 1543851.0/34

In: 10936.729+/-1.674 χ^2/NDF:1280028.2/33

Out: 10903.012+/-1.653 χ^2/NDF:1163363.6/37

All: 10919.663+/-1.176 χ^2/NDF: 2443597.3/7



Right In: -1.496+/-0.778 χ^2/NDF: 12.6/15

Left Out: 1.209+/-0.543 χ^2/NDF:12.3/18

Right Out: -1.551+/-0.745 χ^2/NDF: 16.3/18

Left In: -0.588+/-0.557 χ^2/NDF:21.5/17

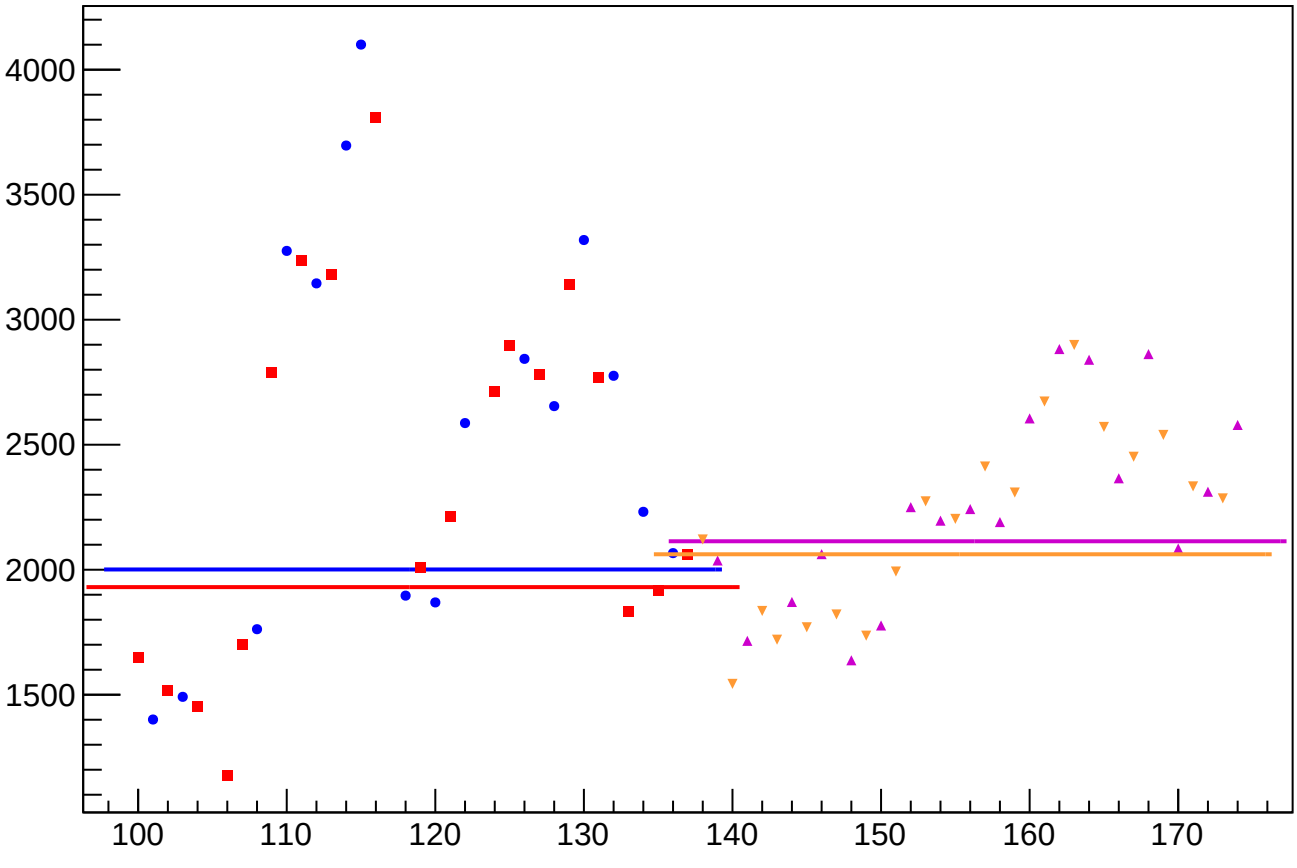
Left: 0.334+/-0.389 χ^2/NDF: 39.1/36

Right: -1.525+/-0.538 χ^2/NDF: 28.9/34

In: -0.896+/-0.453 χ^2/NDF:35.0/33

Out: 0.251+/-0.439 χ^2/NDF:37.5/37

All: -0.304+/-0.315 χ^2/NDF: 75.8/71



Right In: 2001.000+/-0.550 χ^2/NDF: 1189784.2/15

Left Out: 2061.809+/-0.384 χ^2/NDF:878660.8/18

Right Out: 1930.434+/-0.526 χ^2/NDF: 1403552.6/18

Left In: 2113.800+/-0.394 χ^2/NDF:799107.1/17

Left: 2087.114+/-0.275 χ^2/NDF: 1686698.0/36

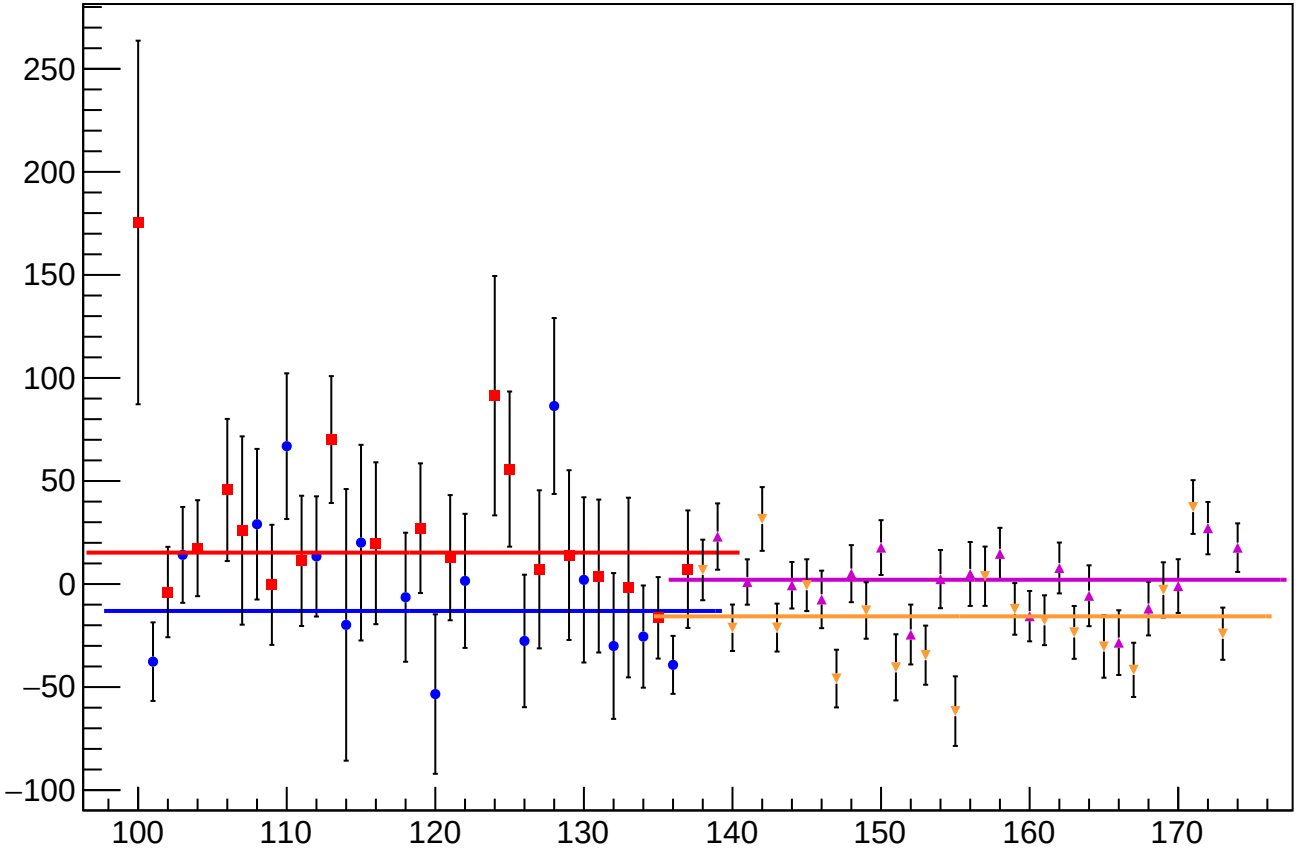
Right: 1964.155+/-0.380 χ^2/NDF: 2601922.6/34

In: 2075.552+/-0.320 χ^2/NDF:2016660.3/33

Out: 2016.213+/-0.310 χ^2/NDF:2322873.3/37

All: 2044.914+/-0.223 χ^2/NDF: 4357238.9/71

diff_bpmtargetsumX_mean vs Slug, Sign Corrected



Right In: -13.066+/-7.026 χ^2/NDF: 21.9/15

Left Out: -15.679+/-3.086 χ^2/NDF:54.9/18

Right Out: 15.253+/-7.321 χ^2/NDF: 14.3/18

Left In: 2.076+/-3.112 χ^2/NDF:21.2/17

Left: -6.877+/-2.191 χ^2/NDF: 92.5/36

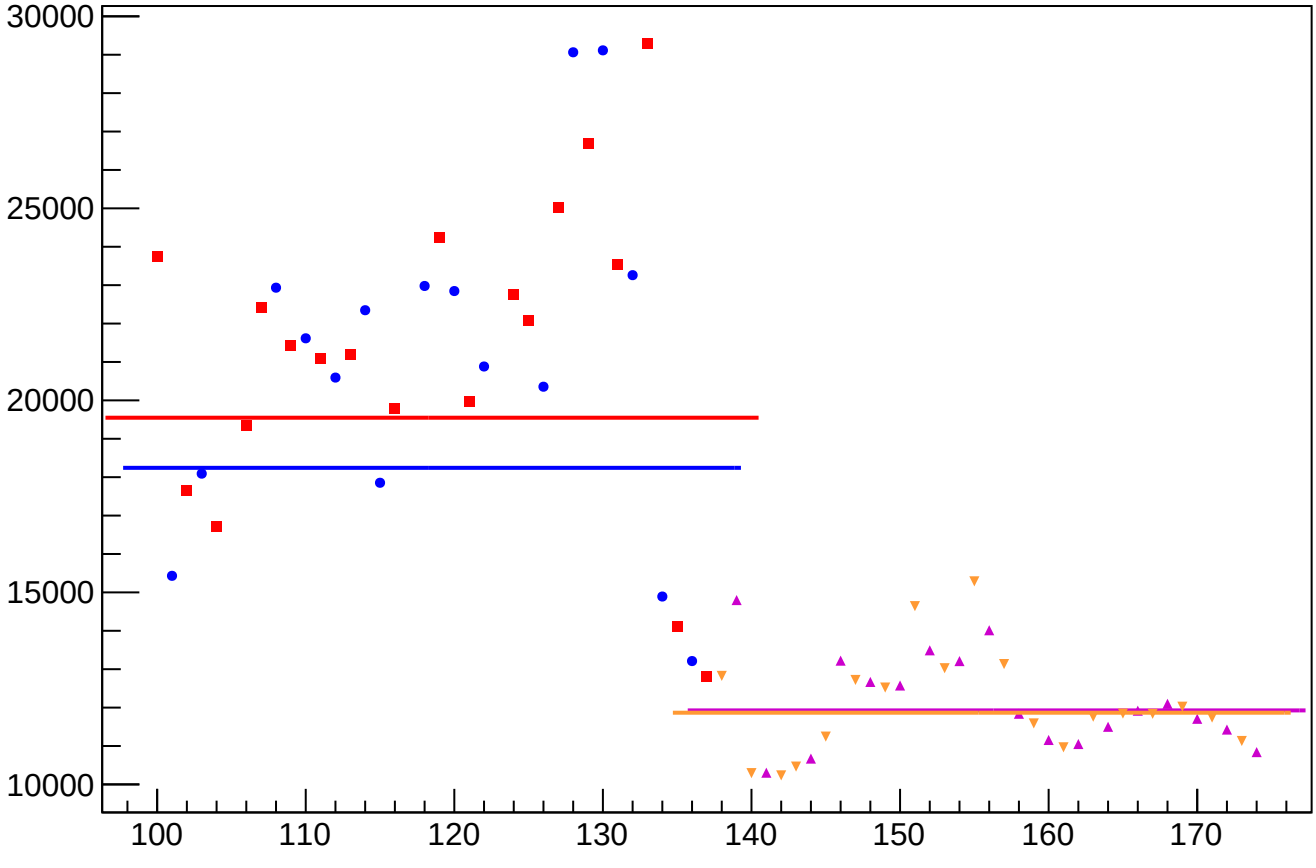
Right: 0.513+/-5.069 χ^2/NDF: 44.0/34

In: -0.408+/-2.846 χ^2/NDF:47.0/33

Out: -11.012+/-2.844 χ^2/NDF:84.4/37

All: -5.714+/-2.011 χ^2/NDF: 138.3/71

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 18243.342+/-4.968 χ^2/NDF: 819828.6/15

Left Out: 11866.969+/-2.182 χ^2/NDF:305675.2/18

Right Out: 19548.426+/-5.176 χ^2/NDF: 621716.4/18

Left In: 11926.929+/-2.201 χ^2/NDF:276265.4/17

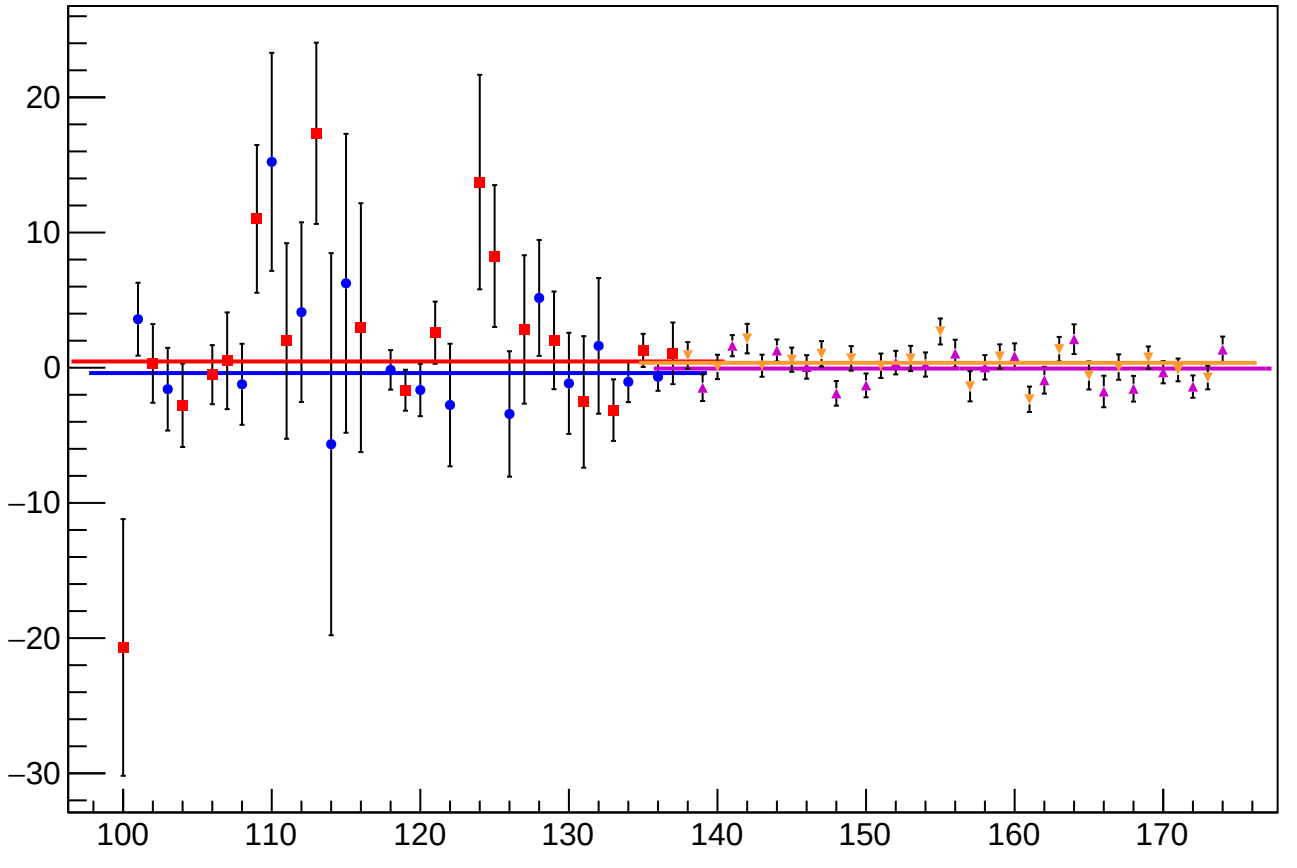
Left: 11896.693+/-1.550 χ^2/NDF: 582315.0/36

Right: 18869.124+/-3.585 χ^2/NDF: 1474629.7/34

In: 12963.005+/-2.012 χ^2/NDF:2447227.9/33

Out: 13025.932+/-2.011 χ^2/NDF:2797146.8/37

All: 12994.493+/-1.422 χ^2/NDF: 5244864.1/7



Right In: -0.394+/-0.600 χ^2/NDF: 10.4/15

Left Out: 0.362+/-0.212 χ^2/NDF:25.1/18

Right Out: 0.464+/-0.634 χ^2/NDF: 28.0/18

Left In: -0.060+/-0.216 χ^2/NDF:32.0/17

Left: 0.155+/-0.151 χ^2/NDF: 59.1/36

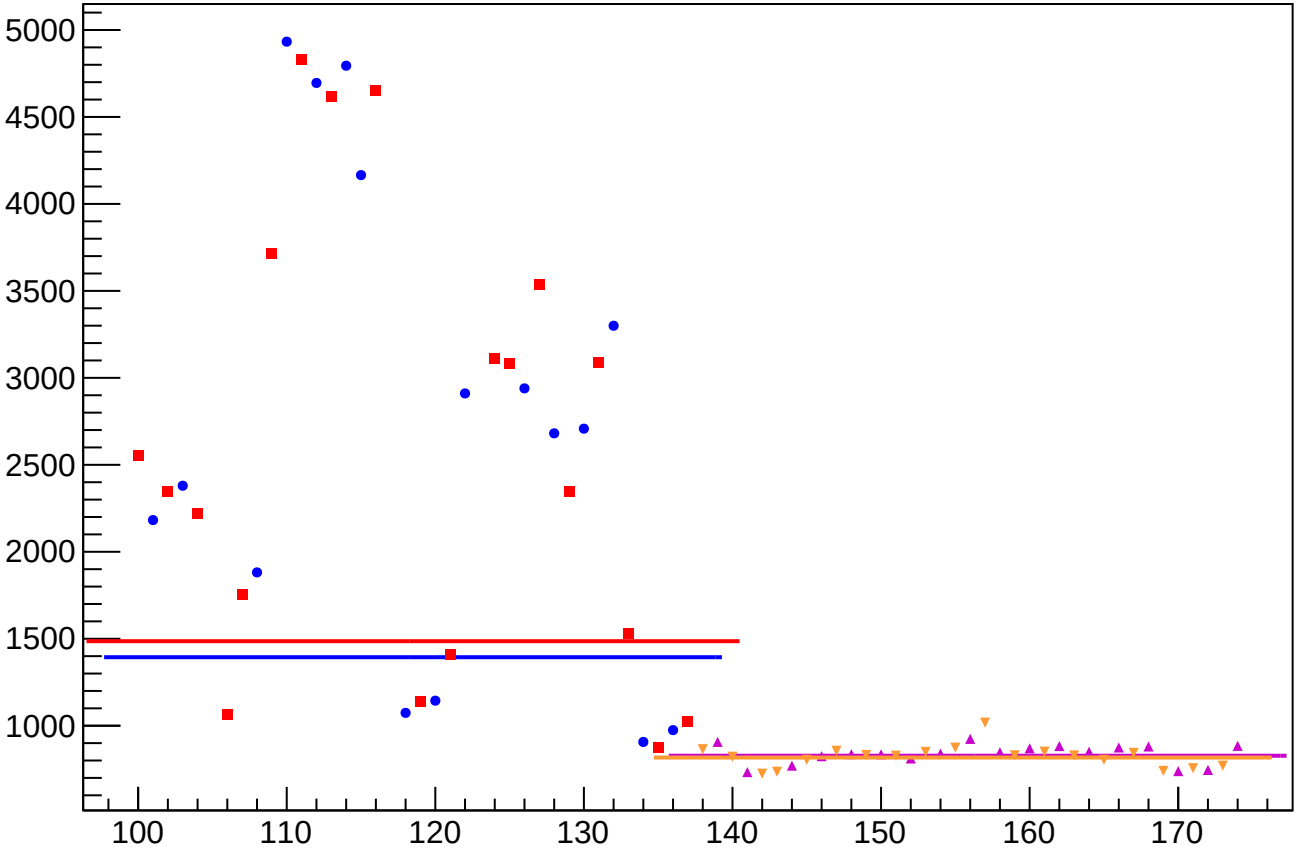
Right: 0.011+/-0.436 χ^2/NDF: 39.4/34

In: -0.098+/-0.203 χ^2/NDF:42.7/33

Out: 0.372+/-0.201 χ^2/NDF:53.2/37

All: 0.139+/-0.143 χ^2/NDF: 98.6/71

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1393.912+/-0.424 χ^2/NDF: 3381007.0/15

Left Out: 817.093+/-0.150 χ^2/NDF:156838.5/18

Right Out: 1486.000+/-0.448 χ^2/NDF: 3398817.4/18

Left In: 827.476+/-0.152 χ^2/NDF:142547.3/17

Left: 822.195+/-0.107 χ^2/NDF: 301746.7/36

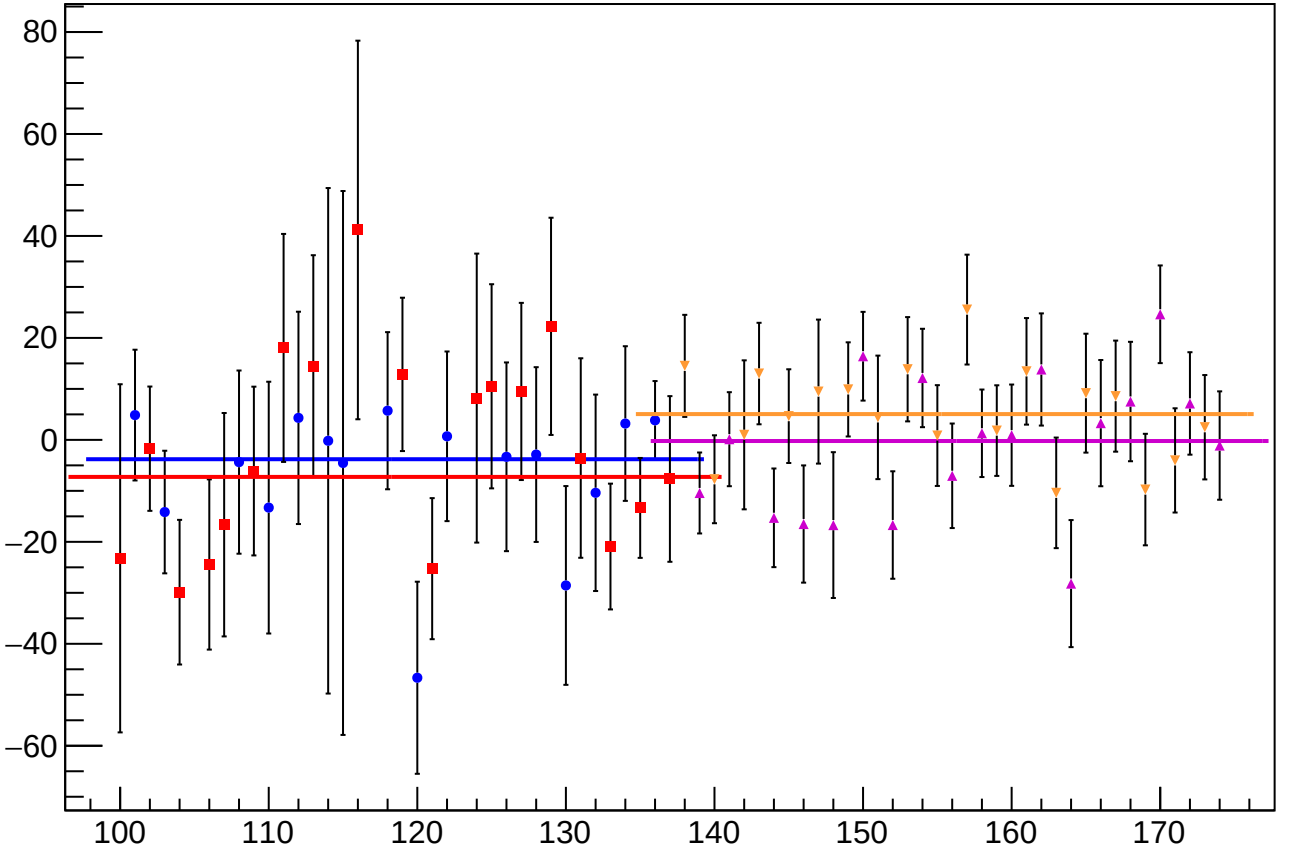
Right: 1437.438+/-0.308 χ^2/NDF: 6802082.3/34

In: 892.192+/-0.143 χ^2/NDF:5101699.5/33

Out: 884.298+/-0.142 χ^2/NDF:5558875.0/37

All: 888.208+/-0.101 χ^2/NDF: 10662103.3/71

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: -3.795+/-3.943 χ^2/NDF: 10.1/15

Left Out: 5.058+/-2.387 χ^2/NDF:14.4/18

Right Out: -7.264+/-3.807 χ^2/NDF: 17.3/18

Left In: -0.224+/-2.390 χ^2/NDF:30.1/17

Left: 2.421+/-1.689 χ^2/NDF: 47.0/36

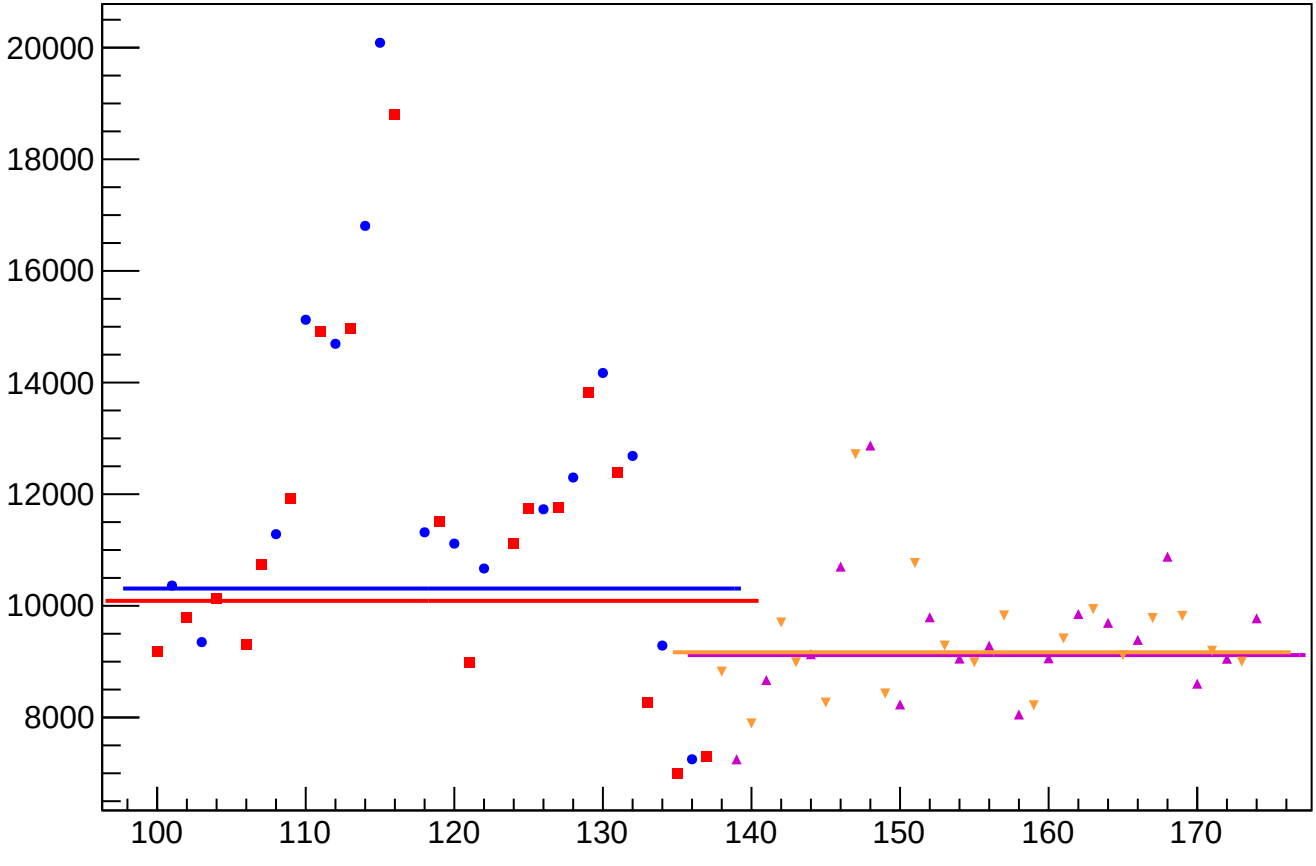
Right: -5.590+/-2.739 χ^2/NDF: 27.7/34

In: -1.183+/-2.044 χ^2/NDF:40.8/33

Out: 1.582+/-2.022 χ^2/NDF:39.2/37

All: 0.214+/-1.437 χ^2/NDF: 80.9/71

diff_bpmtargetsumY_rms vs Slug, Sign Corrected



Right In: 10309.969+/-2.788 χ^2/NDF: 770518.2/15

Left Out: 9168.201+/-1.688 χ^2/NDF:299178.1/18

Right Out: 10089.584+/-2.692 χ^2/NDF: 792788.1/18

Left In: 9118.013+/-1.690 χ^2/NDF:424572.0/17

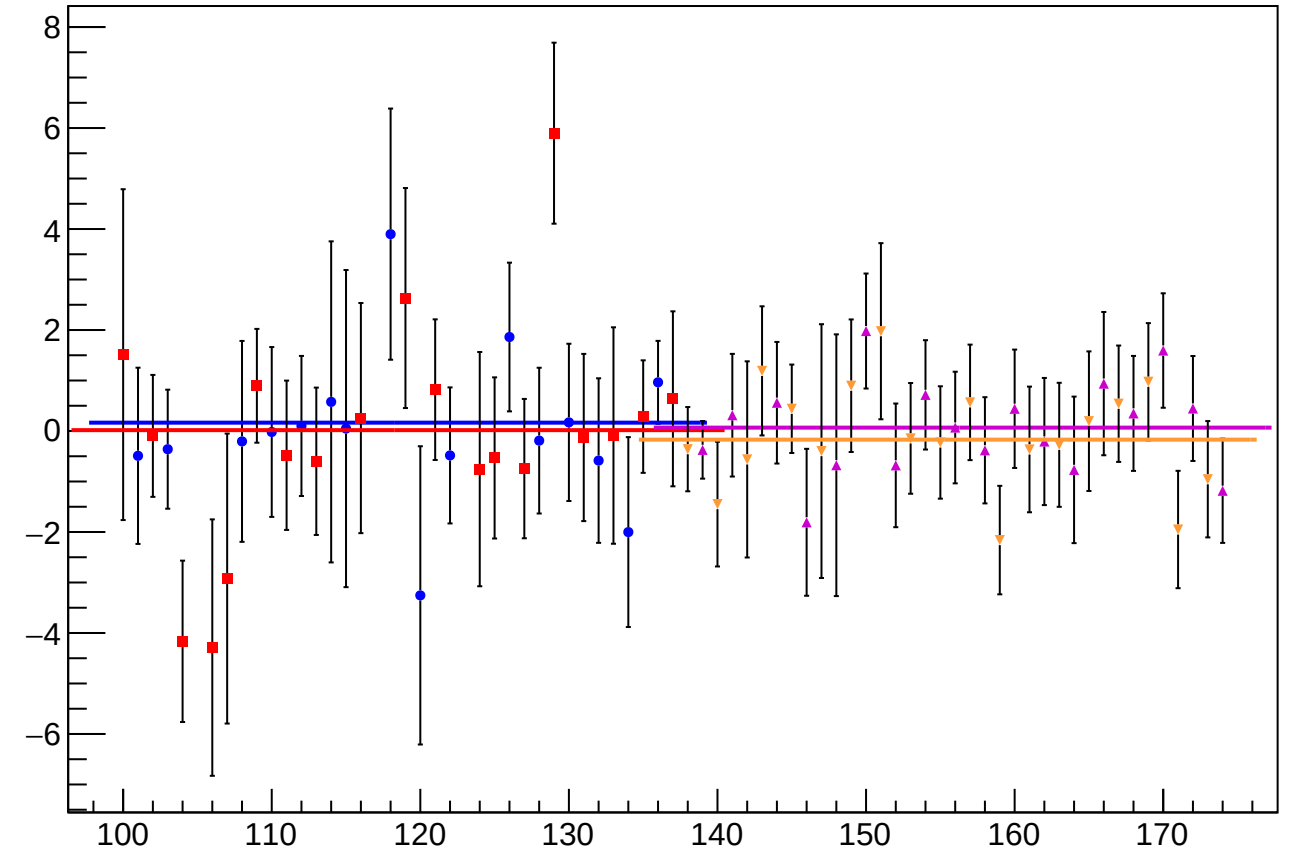
Left: 9143.141+/-1.194 χ^2/NDF: 724191.7/36

Right: 10195.906+/-1.937 χ^2/NDF: 1566539.8/34

In: 9438.239+/-1.445 χ^2/NDF:1328749.1/33

Out: 9428.148+/-1.430 χ^2/NDF:1176067.7/37

All: 9433.140+/-1.016 χ^2/NDF: 2504841.5/71



Right In: 0.165+/-0.386 χ^2/NDF: 8.1/15

Left Out: -0.171+/-0.273 χ^2/NDF:13.1/18

Right Out: 0.017+/-0.372 χ^2/NDF: 25.2/18

Left In: 0.067+/-0.260 χ^2/NDF:10.6/17

Left: -0.046+/-0.188 χ^2/NDF: 24.1/36

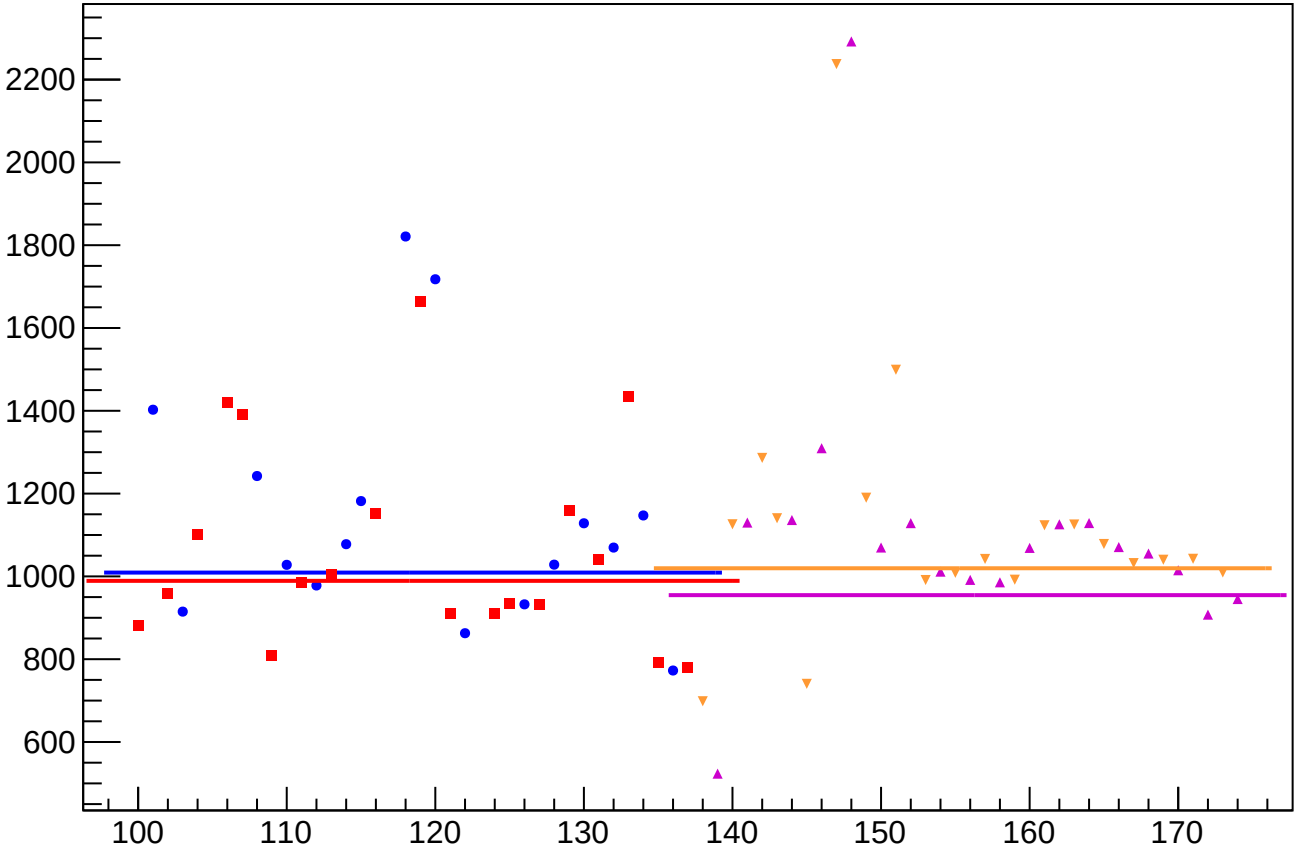
Right: 0.089+/-0.268 χ^2/NDF: 33.4/34

In: 0.098+/-0.216 χ^2/NDF:18.8/33

Out: -0.105+/-0.220 χ^2/NDF:38.4/37

All: -0.002+/-0.154 χ^2/NDF: 57.6/71

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 1009.222+/-0.273 χ^2/NDF: 699303.9/15

Left Out: 1019.647+/-0.193 χ^2/NDF:1262691.9/18

Right Out: 989.246+/-0.263 χ^2/NDF: 575759.9/18

Left In: 954.722+/-0.184 χ^2/NDF:2075686.2/17

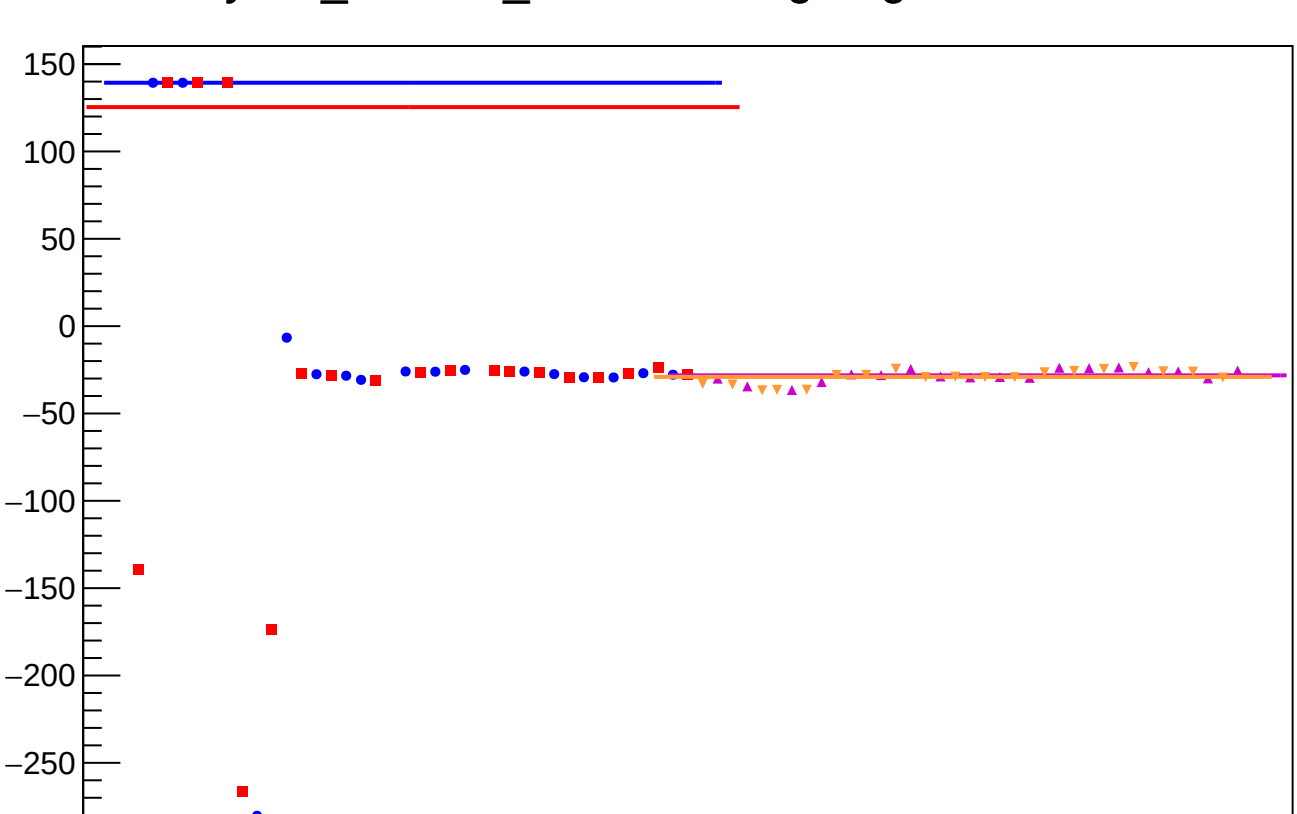
Left: 985.590+/-0.133 χ^2/NDF: 3397786.3/36

Right: 998.863+/-0.190 χ^2/NDF: 1277836.8/34

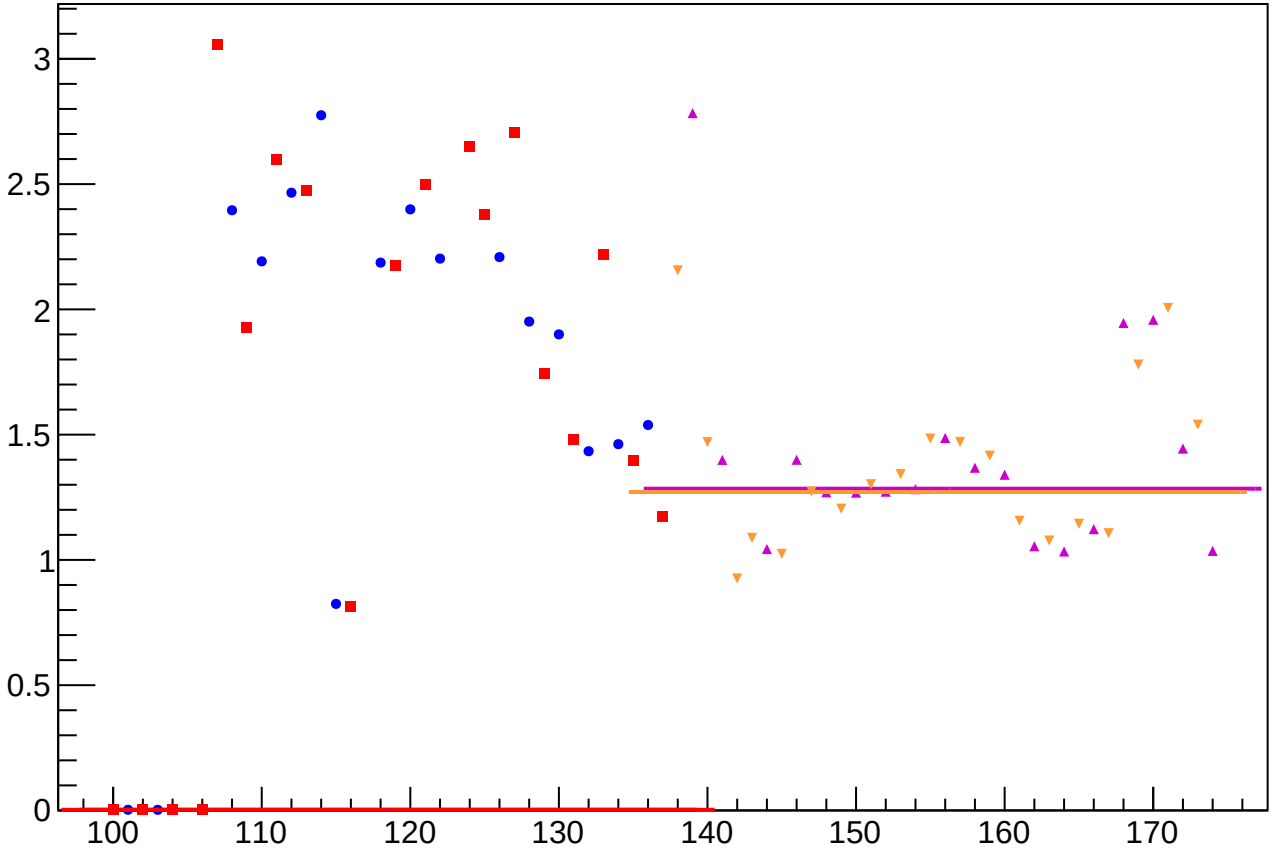
In: 971.690+/-0.152 χ^2/NDF:2802402.4/33

Out: 1009.022+/-0.156 χ^2/NDF:1847130.3/37

All: 989.970+/-0.109 χ^2/NDF: 4678909.0/71


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
Right In: 139.337+/-0.000 χ²/NDF: 47088045550.1/15
Left Out: -29.043+/-0.000 χ²/NDF:135770194.7/18
Right Out: 125.392+/-0.000 χ²/NDF: 774173119844052.5/18
Left In: -28.178+/-0.000 χ²/NDF:103470009.0/17
Left: -28.617+/-0.000 χ²/NDF: 241914926.6/36
Right: 131.818+/-0.000 χ²/NDF: 793004999492497
In: 139.330+/-0.000 χ²/NDF:244446094305.9/33
Out: 125.386+/-0.000 χ²/NDF:774346028883732.
All: 131.812+/-0.000 χ²/NDF: 793372635421

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9565657.6/15

Left Out: 1.271+/-0.000 χ^2/NDF:934646.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 9733783.1/18

Left In: 1.284+/-0.000 χ^2/NDF:1160738.6/17

Left: 1.278+/-0.000 χ^2/NDF: 2096626.1/36

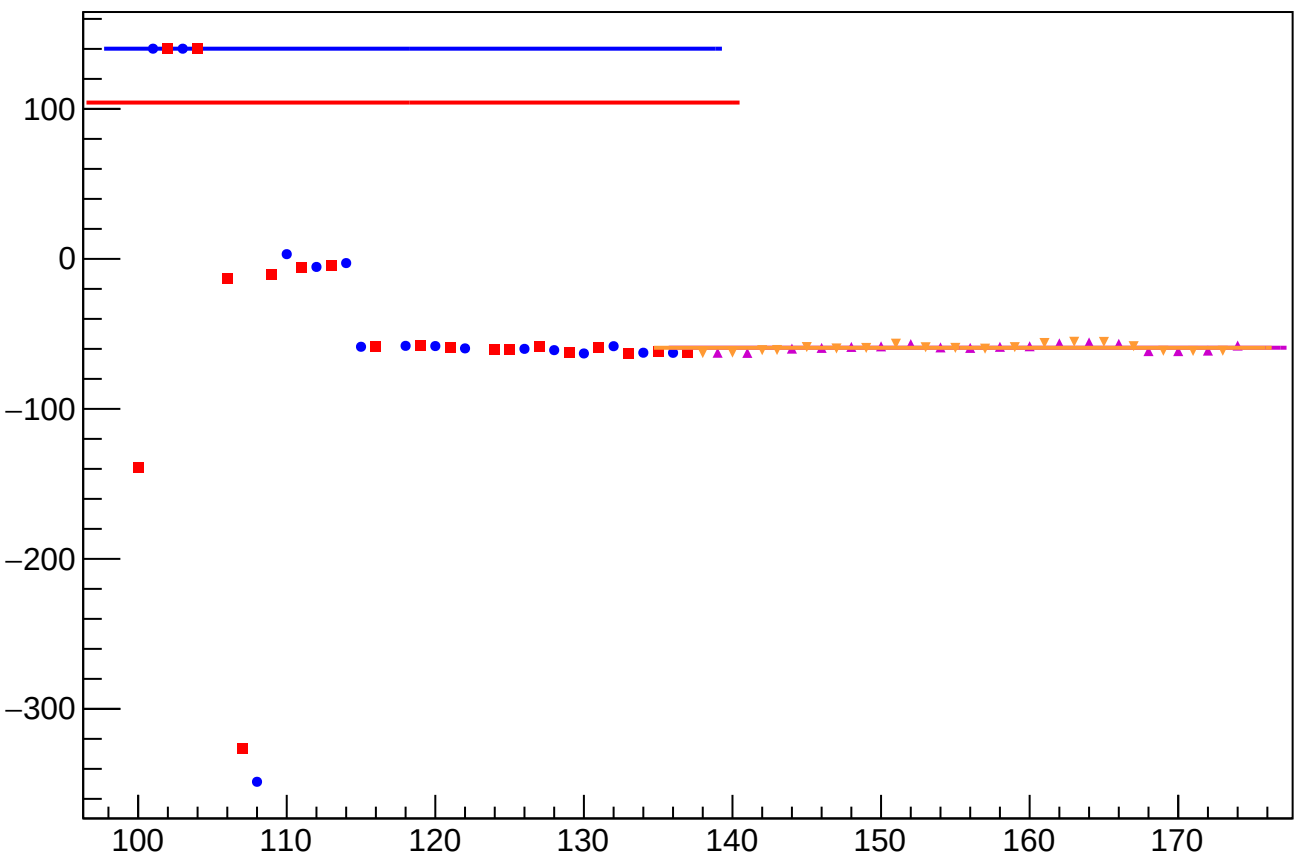
Right: 0.003+/-0.000 χ^2/NDF: 19299624.2/34

In: 0.003+/-0.000 χ^2/NDF:33817928.7/33

Out: 0.003+/-0.000 χ^2/NDF:33978952.0/37

All: 0.003+/-0.000 χ^2/NDF: 67797148.9/71

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.143+/-0.000 χ^2/NDF: 187461723281.9/15

Left Out: -59.258+/-0.000 χ^2/NDF:148683945.1/18

Right Out: 104.224+/-0.000 χ^2/NDF: 1257401882577977.0/18

Left In: -59.228+/-0.000 χ^2/NDF:127604198.9/17

Left: -59.243+/-0.000 χ^2/NDF: 276298583.8/36

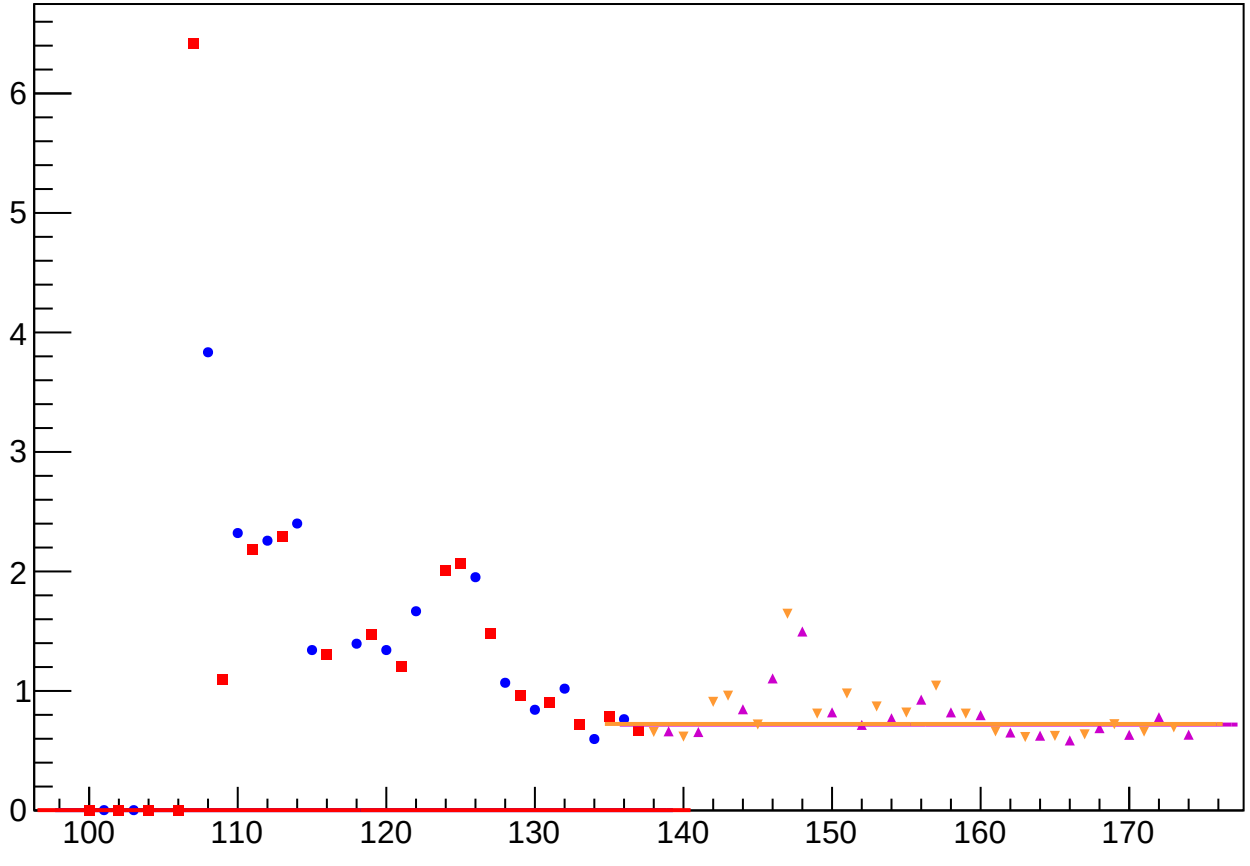
Right: 120.832+/-0.000 χ^2/NDF: 138089570604348

In: 140.117+/-0.000 χ^2/NDF:1120262721648.3/33

Out: 104.206+/-0.000 χ^2/NDF:1258020697517907

All: 120.810+/-0.000 χ^2/NDF: 13824074670

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 10578723.1/15

Left Out: 0.724+/-0.000 χ^2/NDF:1030988.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 10266772.6/18

Left In: 0.719+/-0.000 χ^2/NDF:878648.9/17

Left: 0.721+/-0.000 χ^2/NDF: 1910265.3/36

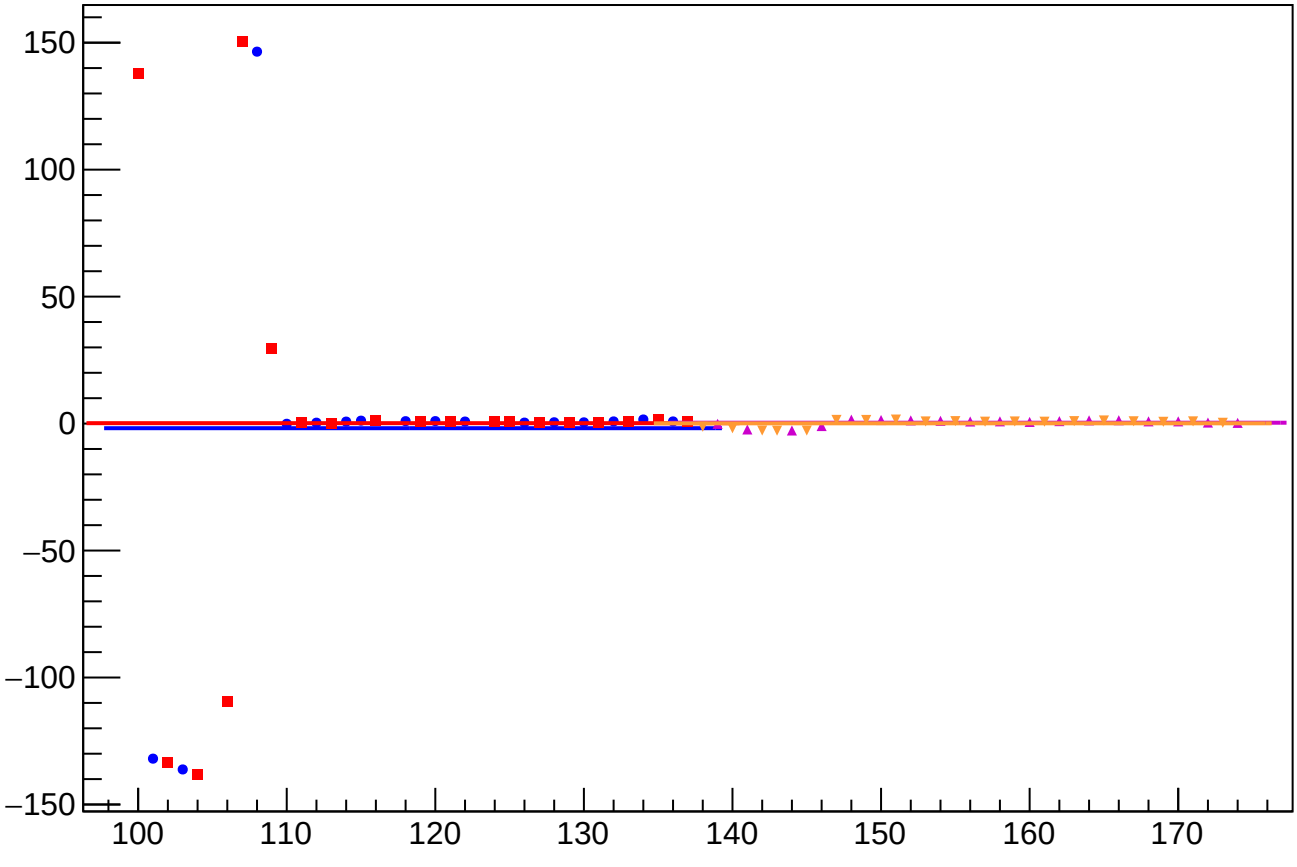
Right: 0.003+/-0.000 χ^2/NDF: 20845702.5/34

In: 0.003+/-0.000 χ^2/NDF:35511855.5/33

Out: 0.003+/-0.000 χ^2/NDF:35375775.3/37

All: 0.003+/-0.000 χ^2/NDF: 70888046.5/71

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.818+/-0.000 χ^2/NDF: 9887177310.2/15

Left Out: 0.105+/-0.000 χ^2/NDF:100427964.9/18

Right Out: 0.165+/-0.000 χ^2/NDF: 3611245020.0/18

Left In: 0.343+/-0.000 χ^2/NDF:70224761.6/17

Left: 0.221+/-0.000 χ^2/NDF: 171901337.0/36

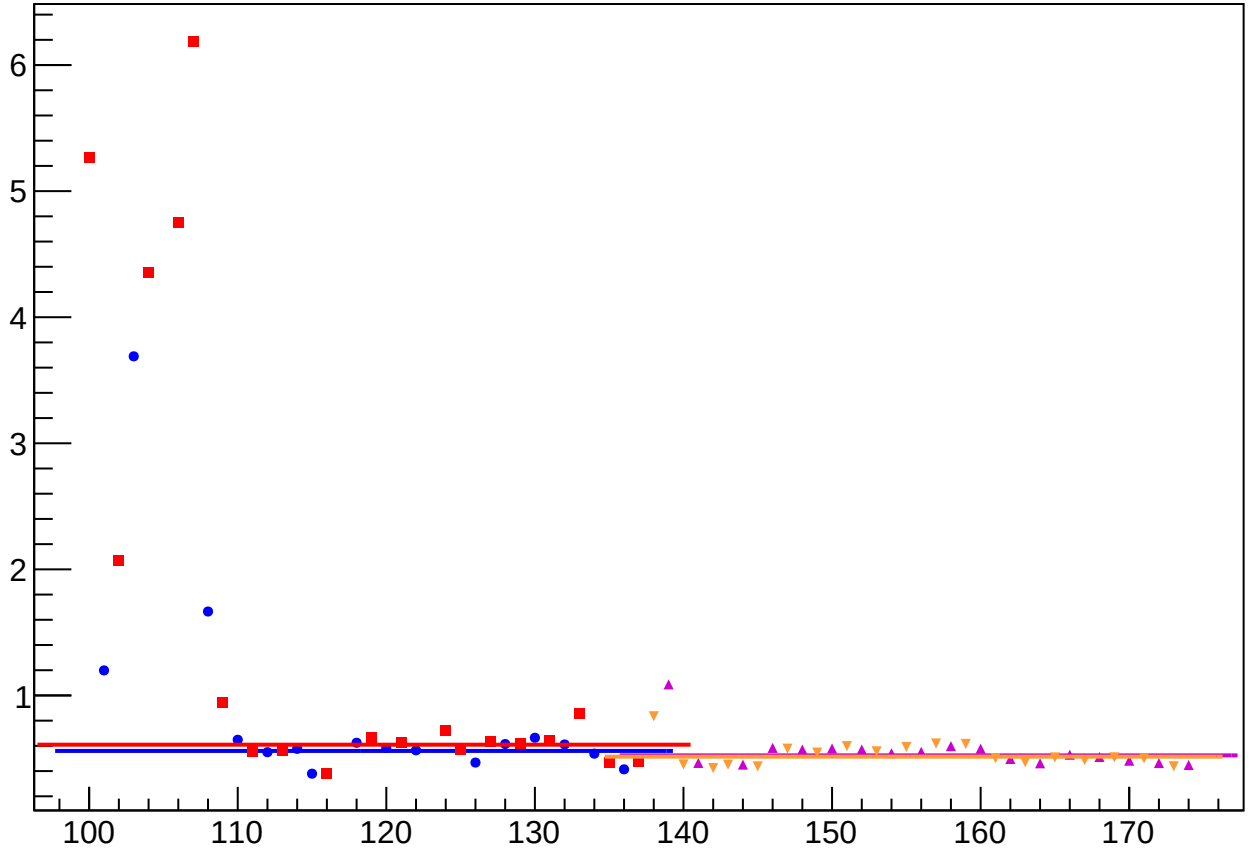
Right: -0.919+/-0.000 χ^2/NDF: 13527173630.8/34

In: -0.245+/-0.000 χ^2/NDF:10012208070.8/33

Out: 0.118+/-0.000 χ^2/NDF:3711710233.8/37

All: -0.065+/-0.000 χ^2/NDF: 13727810448.5/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.560+/-0.000 χ^2/NDF: 1598439.5/15

Left Out: 0.515+/-0.000 χ^2/NDF:518514.7/18

Right Out: 0.609+/-0.000 χ^2/NDF: 2476010.3/18

Left In: 0.525+/-0.000 χ^2/NDF:687595.8/17

Left: 0.519+/-0.000 χ^2/NDF: 1210516.6/36

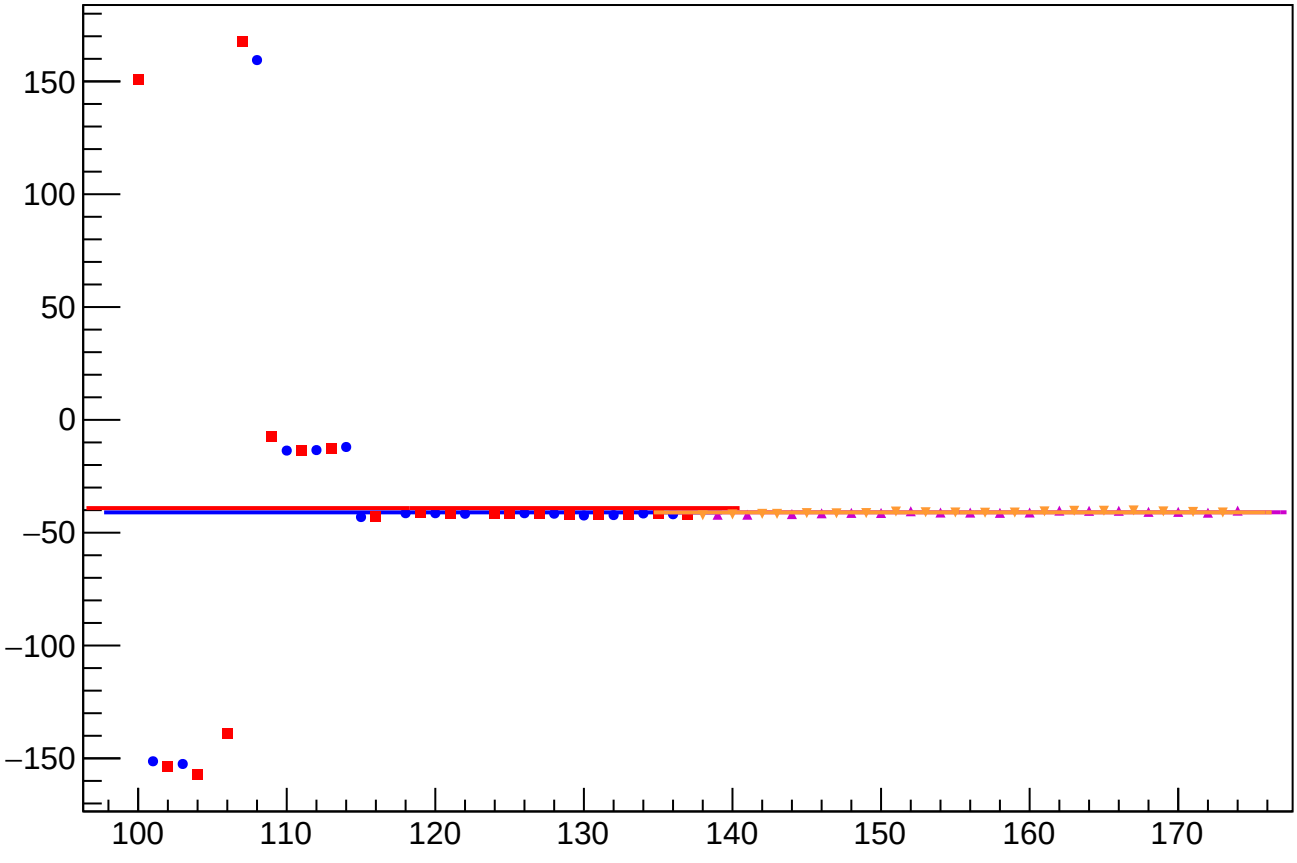
Right: 0.582+/-0.000 χ^2/NDF: 4110324.4/34

In: 0.534+/-0.000 χ^2/NDF:2315316.8/33

Out: 0.536+/-0.000 χ^2/NDF:3180136.7/37

All: 0.535+/-0.000 χ^2/NDF: 5495712.8/71

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -40.987+/-0.000 χ^2/NDF: 3449622021.8/15

Left Out: -40.994+/-0.000 χ^2/NDF:31162143.9/18

Right Out: -39.101+/-0.000 χ^2/NDF: 2480133442.0/18

Left In: -40.952+/-0.000 χ^2/NDF:32741400.3/17

Left: -40.973+/-0.000 χ^2/NDF: 64005123.2/36

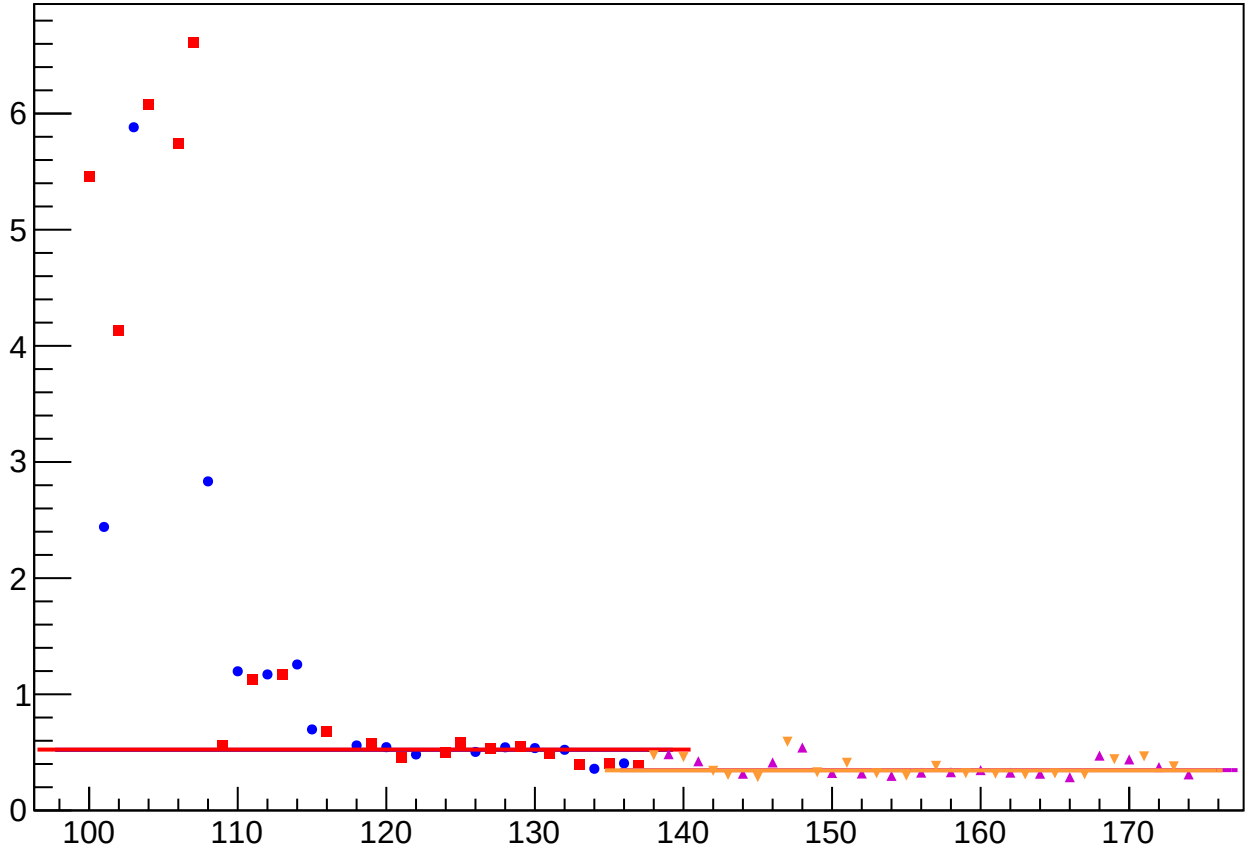
Right: -40.058+/-0.000 χ^2/NDF: 5962079351.2/34

In: -40.957+/-0.000 χ^2/NDF:3482383021.8/33

Out: -40.740+/-0.000 χ^2/NDF:2566859128.1/37

All: -40.848+/-0.000 χ^2/NDF: 6052350825.5/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.522+/-0.000 χ^2/NDF: 2949327.6/15

Left Out: 0.345+/-0.000 χ^2/NDF:921868.0/18

Right Out: 0.524+/-0.000 χ^2/NDF: 3264460.0/18

Left In: 0.347+/-0.000 χ^2/NDF:790716.6/17

Left: 0.346+/-0.000 χ^2/NDF: 1713047.5/36

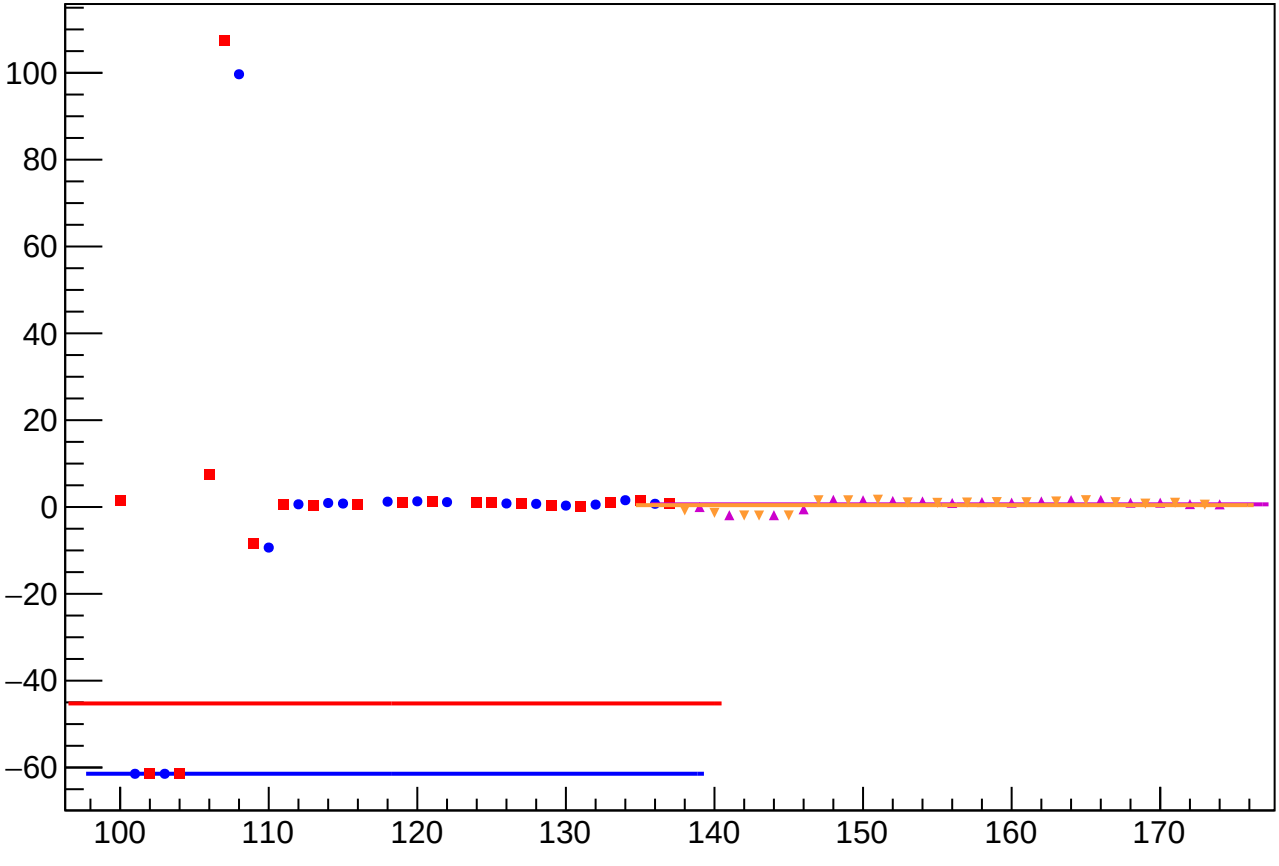
Right: 0.523+/-0.000 χ^2/NDF: 6213857.4/34

In: 0.372+/-0.000 χ^2/NDF:4709609.6/33

Out: 0.369+/-0.000 χ^2/NDF:5177216.7/37

All: 0.370+/-0.000 χ^2/NDF: 9887674.5/71

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.436+/-0.000 χ^2/NDF: 273496278670.9/15

Left Out: 0.426+/-0.000 χ^2/NDF:102148931.3/18

Right Out: -45.245+/-0.000 χ^2/NDF: 357870328061478.0/18

Left In: 0.615+/-0.000 χ^2/NDF:77263279.2/17

Left: 0.518+/-0.000 χ^2/NDF: 180509066.9/36

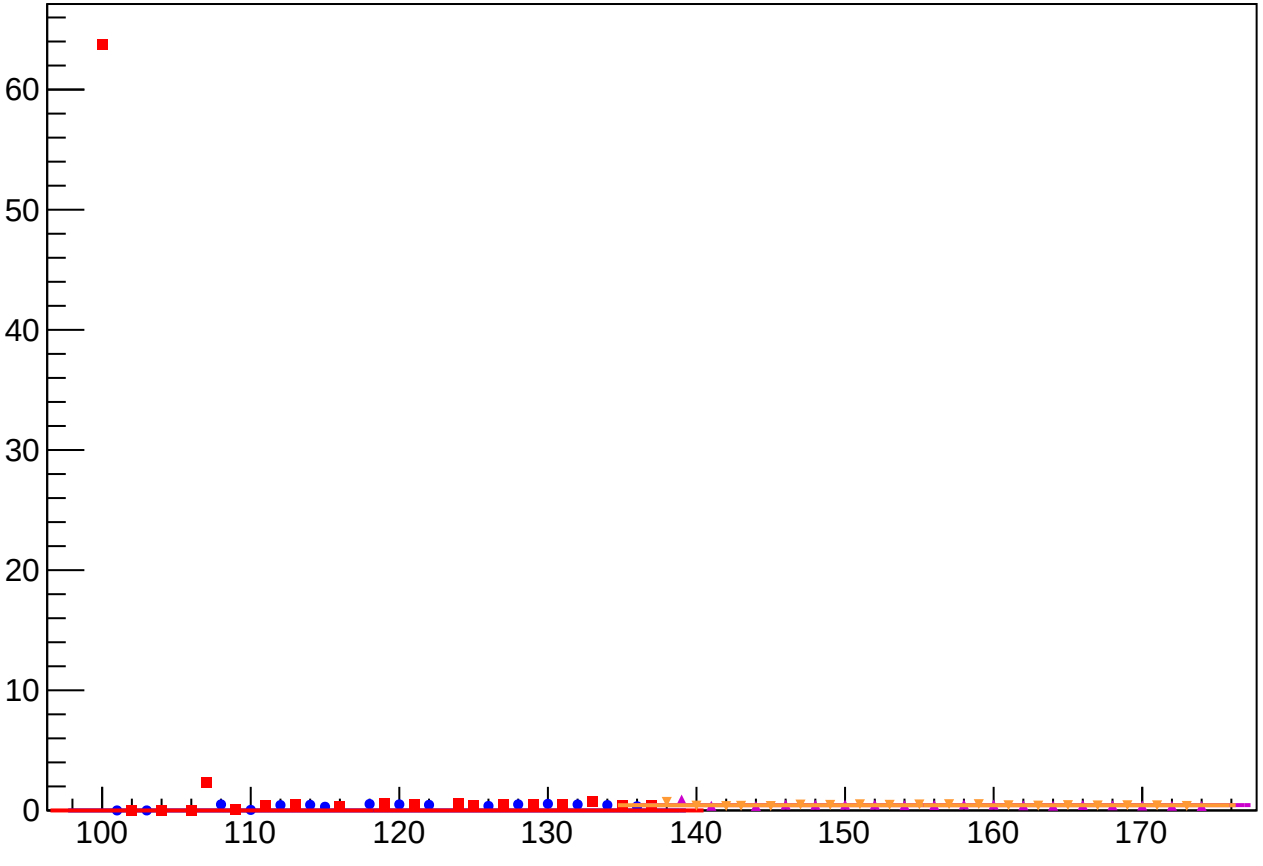
Right: -52.749+/-0.000 χ^2/NDF: 409121918007227

In: -61.426+/-0.000 χ^2/NDF:505823322478.8/33

Out: -45.238+/-0.000 χ^2/NDF:358002432014184.9

All: -52.741+/-0.000 χ^2/NDF: 409472813144

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9156181.6/15

Left Out: 0.435+/-0.000 χ^2/NDF:507716.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 9345109.5/18

Left In: 0.445+/-0.000 χ^2/NDF:663232.7/17

Left: 0.440+/-0.000 χ^2/NDF: 1176303.9/36

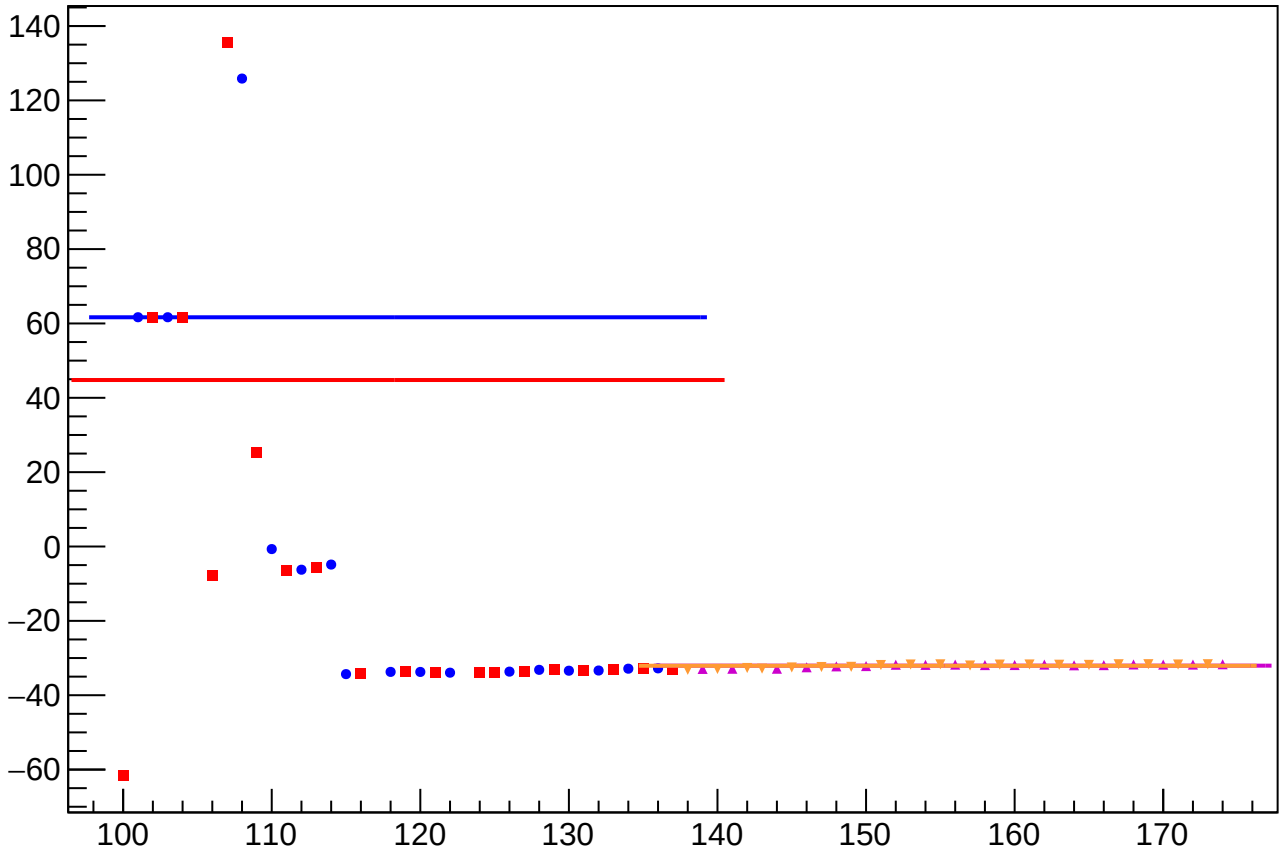
Right: 0.001+/-0.000 χ^2/NDF: 18501293.3/34

In: 0.002+/-0.000 χ^2/NDF:33508276.4/33

Out: 0.002+/-0.000 χ^2/NDF:33672426.6/37

All: 0.002+/-0.000 χ^2/NDF: 67180747.6/71

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.662+/-0.000 χ^2/NDF: 369463062074.0/15

Left Out: -32.072+/-0.000 χ^2/NDF:38902986.6/18

Right Out: 44.786+/-0.000 χ^2/NDF: 366094778229951.8/18

Left In: -32.049+/-0.000 χ^2/NDF:29658550.8/17

Left: -32.061+/-0.000 χ^2/NDF: 68603675.4/36

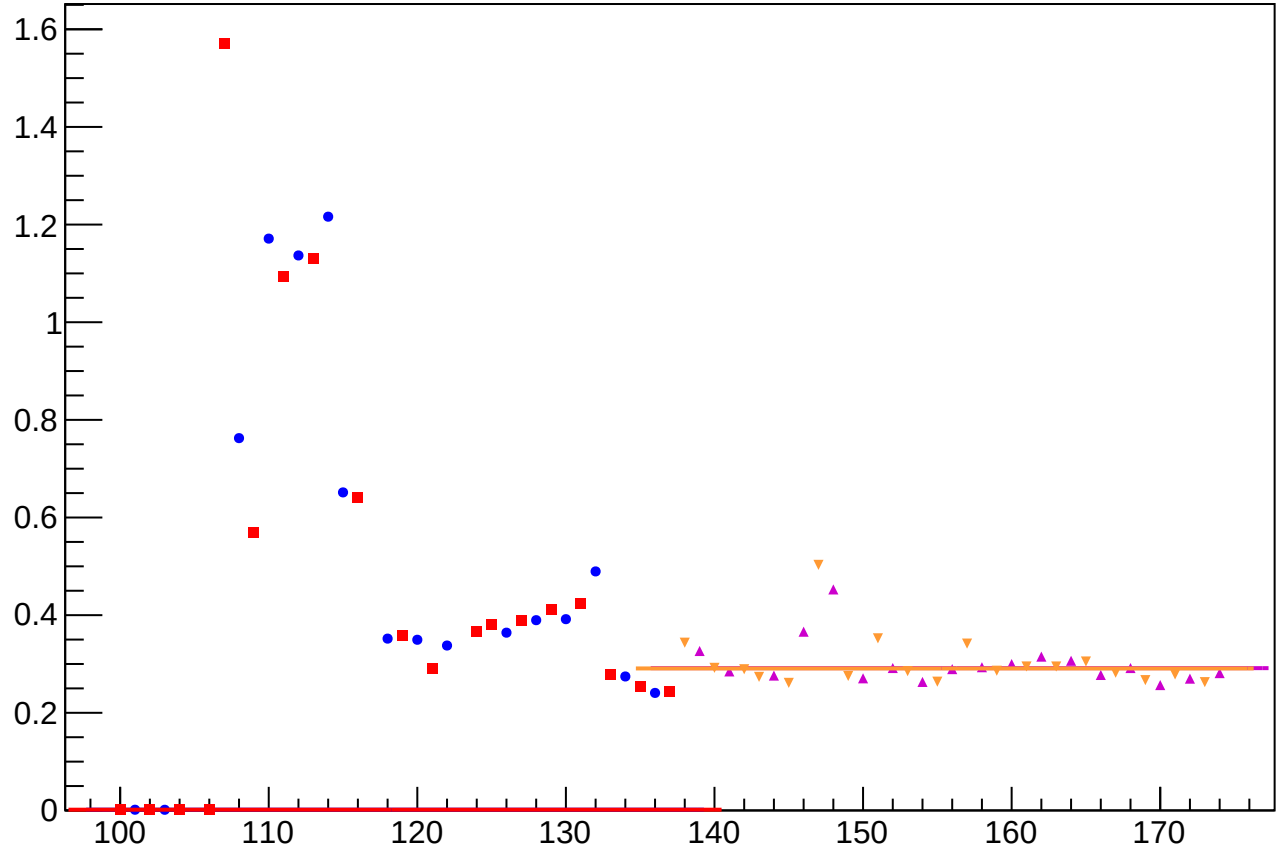
Right: 52.689+/-0.000 χ^2/NDF: 417568081486015.

In: 61.616+/-0.000 χ^2/NDF:1829913829166.6/33

Out: 44.752+/-0.000 χ^2/NDF:367088843803287.9

All: 52.649+/-0.000 χ^2/NDF: 419971240674

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 11024564.1/15

Left Out: 0.291+/-0.000 χ^2/NDF:489291.2/18

Right Out: 0.002+/-0.000 χ^2/NDF: 10559220.1/18

Left In: 0.291+/-0.000 χ^2/NDF:381084.6/17

Left: 0.291+/-0.000 χ^2/NDF: 870436.7/36

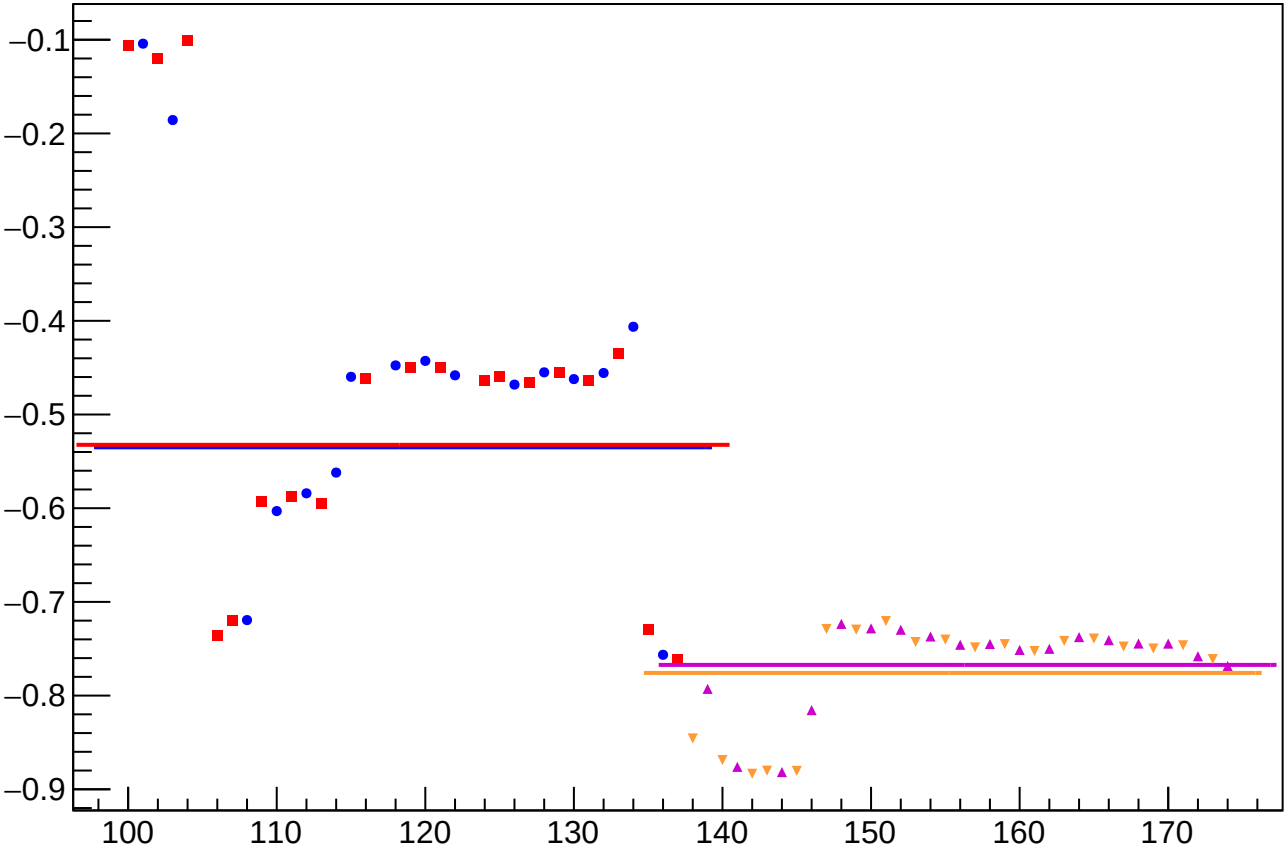
Right: 0.002+/-0.000 χ^2/NDF: 21583912.3/34

In: 0.002+/-0.000 χ^2/NDF:39369209.3/33

Out: 0.002+/-0.000 χ^2/NDF:39223239.6/37

All: 0.002+/-0.000 χ^2/NDF: 78592452.3/71

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.535+/-0.000 χ^2/NDF: 300846309.5/15

Left Out: -0.776+/-0.000 χ^2/NDF:111843573.2/18

Right Out: -0.532+/-0.000 χ^2/NDF: 214124648.5/18

Left In: -0.767+/-0.000 χ^2/NDF:77627902.0/17

Left: -0.772+/-0.000 χ^2/NDF: 190685099.5/36

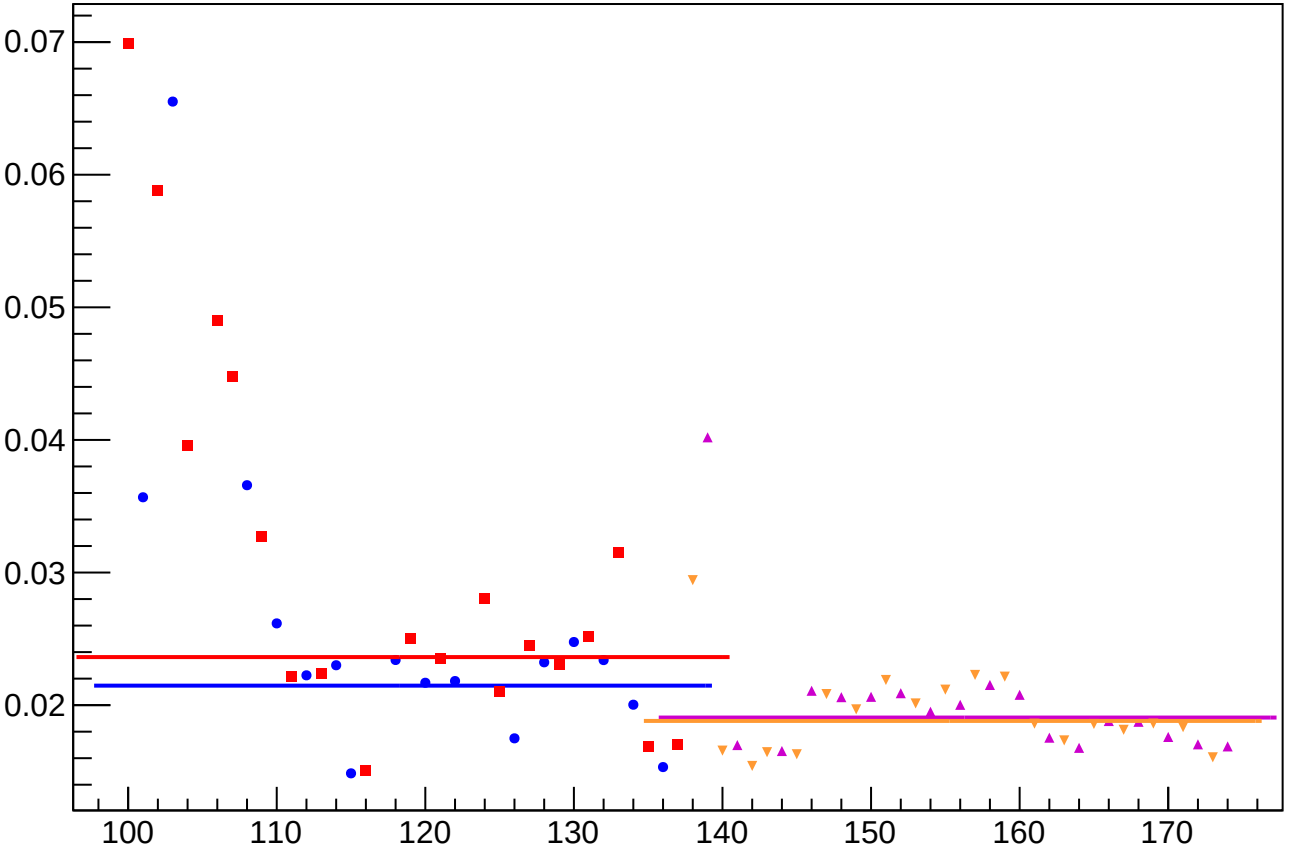
Right: -0.534+/-0.000 χ^2/NDF: 515008587.7/34

In: -0.706+/-0.000 χ^2/NDF:840805851.2/33

Out: -0.720+/-0.000 χ^2/NDF:783025498.0/37

All: -0.713+/-0.000 χ^2/NDF: 1628130047.1/7

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1153987.6/15

Left Out: 0.019+/-0.000 χ^2/NDF:451398.8/18

Right Out: 0.024+/-0.000 χ^2/NDF: 1277268.6/18

Left In: 0.019+/-0.000 χ^2/NDF:666018.5/17

Left: 0.019+/-0.000 χ^2/NDF: 1119556.7/36

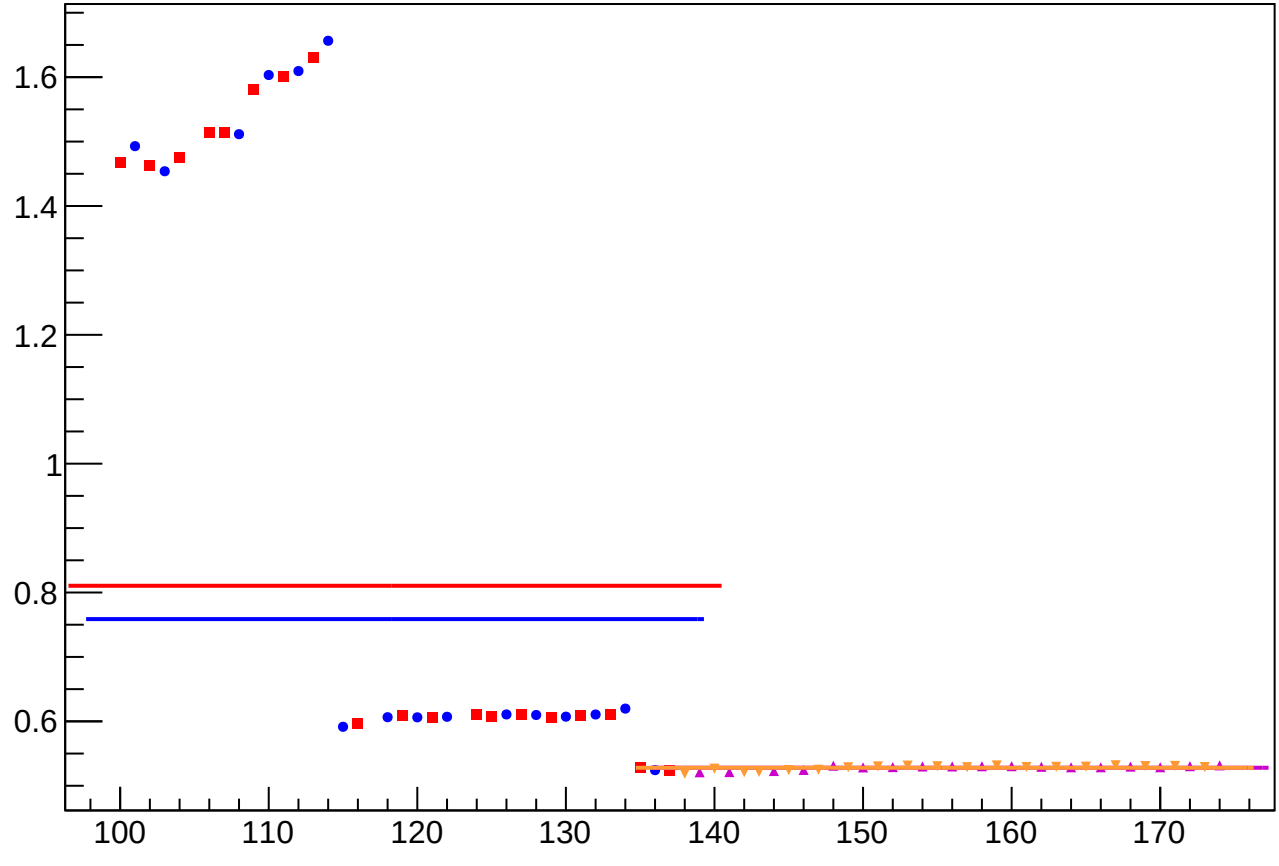
Right: 0.022+/-0.000 χ^2/NDF: 2481109.4/34

In: 0.020+/-0.000 χ^2/NDF:1919323.9/33

Out: 0.020+/-0.000 χ^2/NDF:2086182.3/37

All: 0.020+/-0.000 χ^2/NDF: 4007506.5/71

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 4304169889.2/15

Left Out: 0.528+/-0.000 χ^2/NDF:1405419.8/18

Right Out: 0.810+/-0.000 χ^2/NDF: 4769381416.8/18

Left In: 0.528+/-0.000 χ^2/NDF:1118479.1/17

Left: 0.528+/-0.000 χ^2/NDF: 2523899.8/36

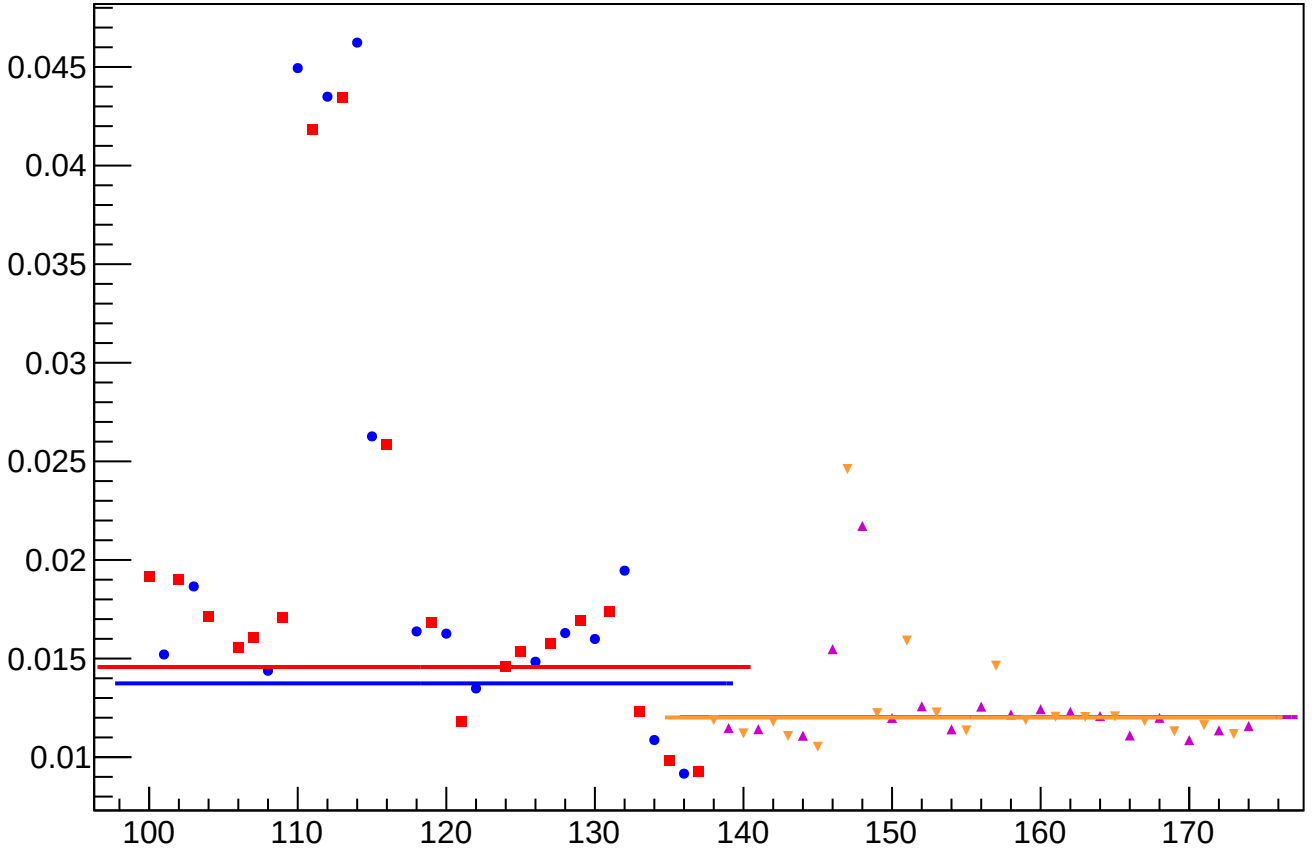
Right: 0.784+/-0.000 χ^2/NDF: 9114268233.2/34

In: 0.584+/-0.000 χ^2/NDF:5575632748.2/33

Out: 0.593+/-0.000 χ^2/NDF:6578084367.7/37

All: 0.588+/-0.000 χ^2/NDF: 12158478174.0/7

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1649769.2/15

Left Out: 0.012+/-0.000 χ^2/NDF:635544.0/18

Right Out: 0.015+/-0.000 χ^2/NDF: 1455054.4/18

Left In: 0.012+/-0.000 χ^2/NDF:462289.7/17

Left: 0.012+/-0.000 χ^2/NDF: 1097871.7/36

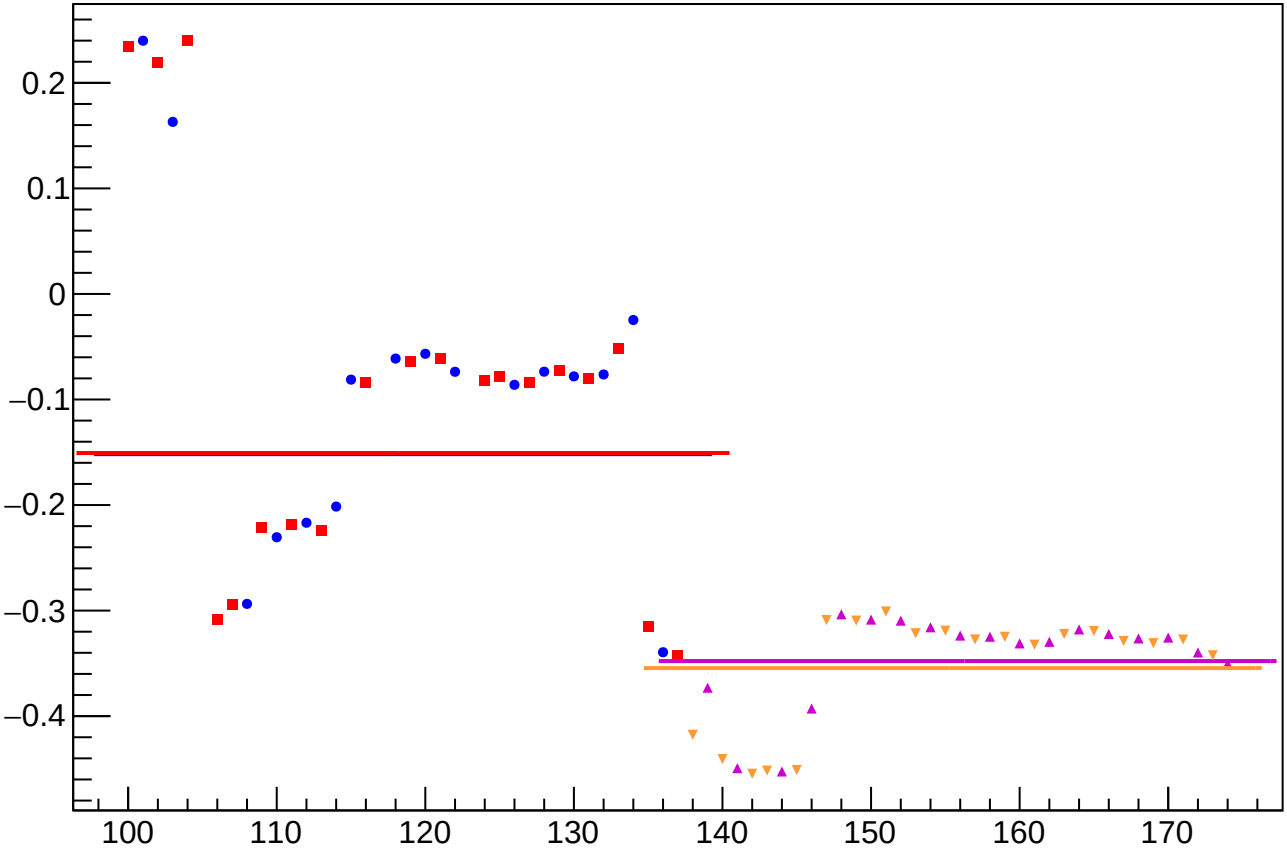
Right: 0.014+/-0.000 χ^2/NDF: 3125814.5/34

In: 0.012+/-0.000 χ^2/NDF:2251360.7/33

Out: 0.013+/-0.000 χ^2/NDF:2387193.9/37

All: 0.013+/-0.000 χ^2/NDF: 4641497.9/71

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 276791709.3/15

Left Out: -0.354+/-0.000 χ^2/NDF:107817954.6/18

Right Out: -0.151+/-0.000 χ^2/NDF: 199410234.4/18

Left In: -0.348+/-0.000 χ^2/NDF:78130241.5/17

Left: -0.351+/-0.000 χ^2/NDF: 186741446.1/36

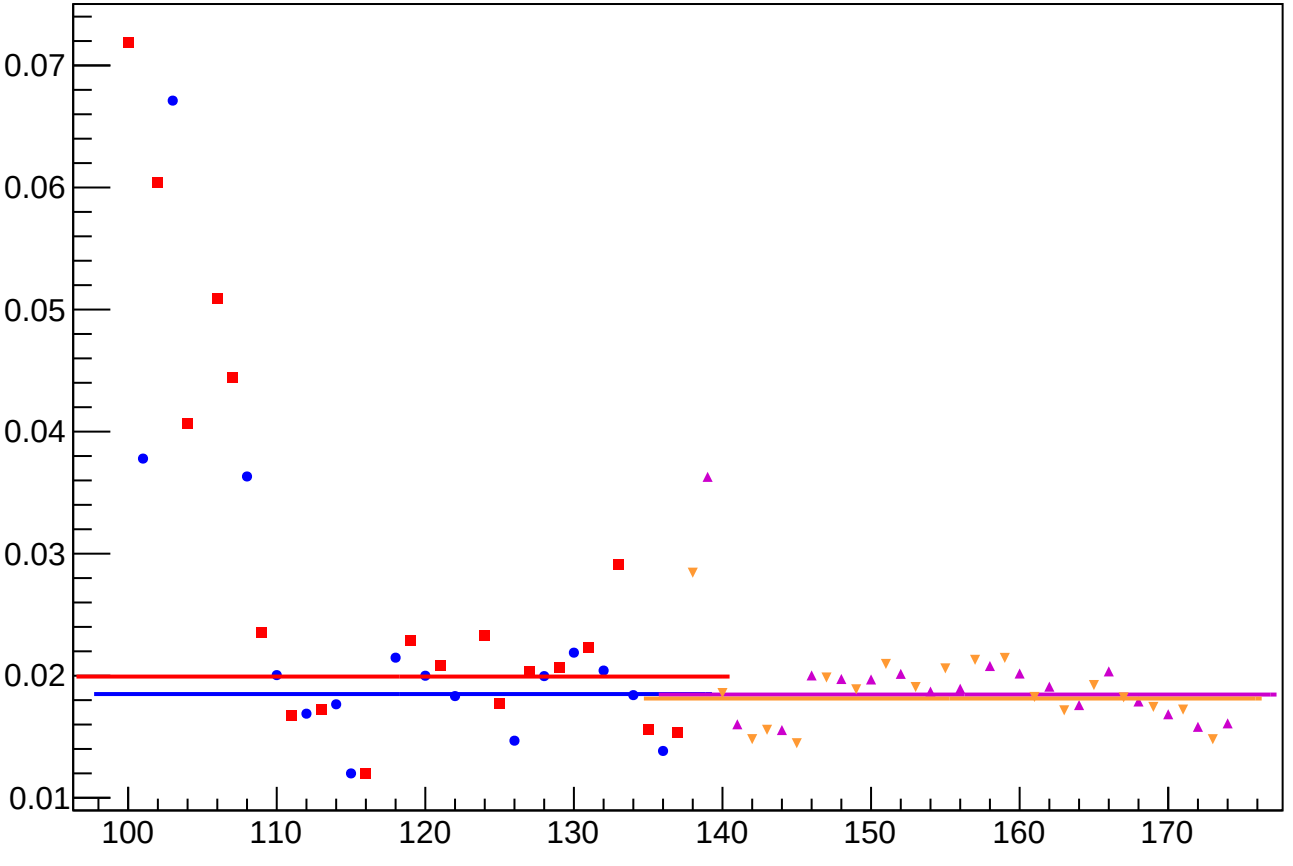
Right: -0.151+/-0.000 χ^2/NDF: 476210345.8/34

In: -0.288+/-0.000 χ^2/NDF:766841784.9/33

Out: -0.299+/-0.000 χ^2/NDF:721603289.3/37

All: -0.294+/-0.000 χ^2/NDF: 1491448550.4/7

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1372359.1/15

Left Out: 0.018+/-0.000 χ^2/NDF:516594.3/18

Right Out: 0.020+/-0.000 χ^2/NDF: 1547561.3/18

Left In: 0.018+/-0.000 χ^2/NDF:634848.9/17

Left: 0.018+/-0.000 χ^2/NDF: 1155231.9/36

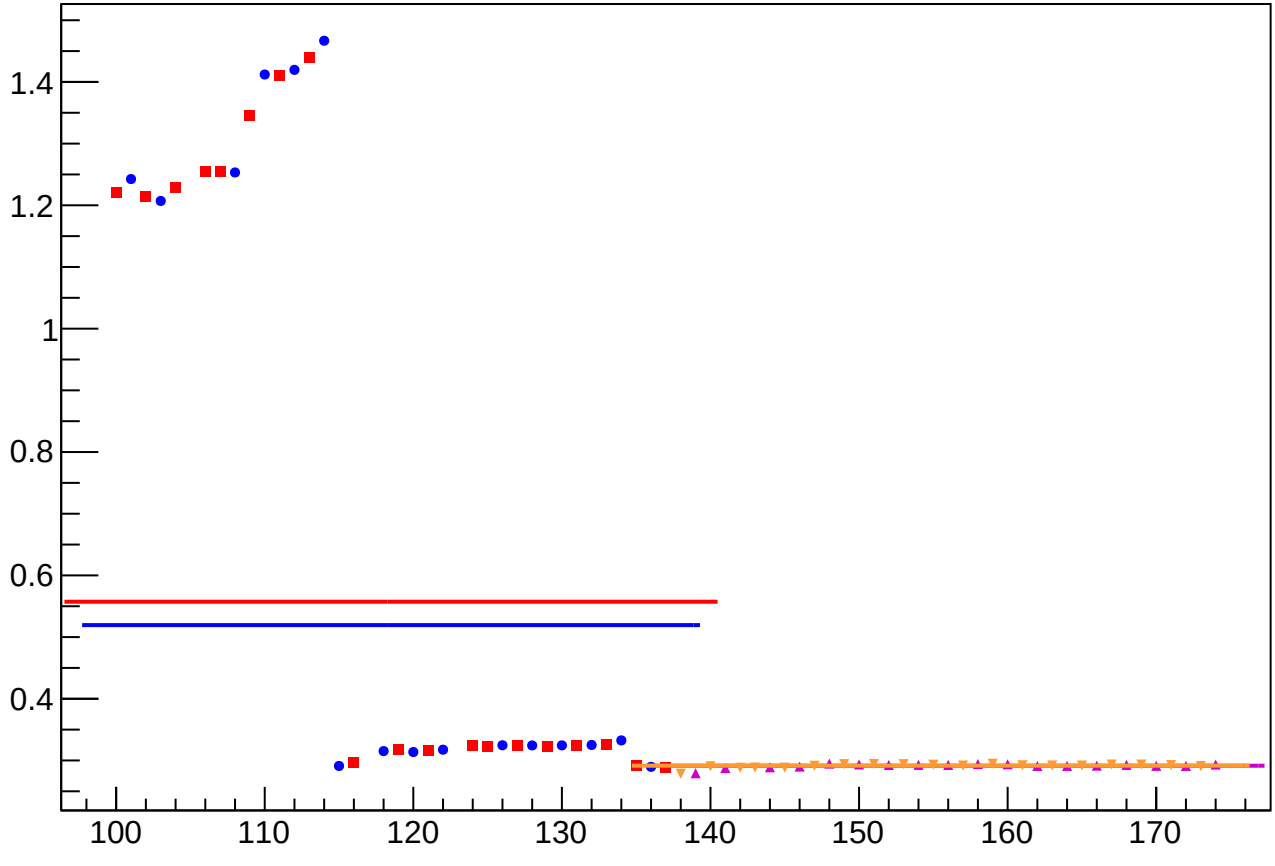
Right: 0.019+/-0.000 χ^2/NDF: 2949710.8/34

In: 0.018+/-0.000 χ^2/NDF:2007245.5/33

Out: 0.019+/-0.000 χ^2/NDF:2128790.3/37

All: 0.019+/-0.000 χ^2/NDF: 4137201.3/71

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.519+/-0.000 χ^2/NDF: 6319132275.3/15

Left Out: 0.292+/-0.000 χ^2/NDF:1205107.4/18

Right Out: 0.557+/-0.000 χ^2/NDF: 6746144835.5/18

Left In: 0.291+/-0.000 χ^2/NDF:1215817.2/17

Left: 0.292+/-0.000 χ^2/NDF: 2421805.6/36

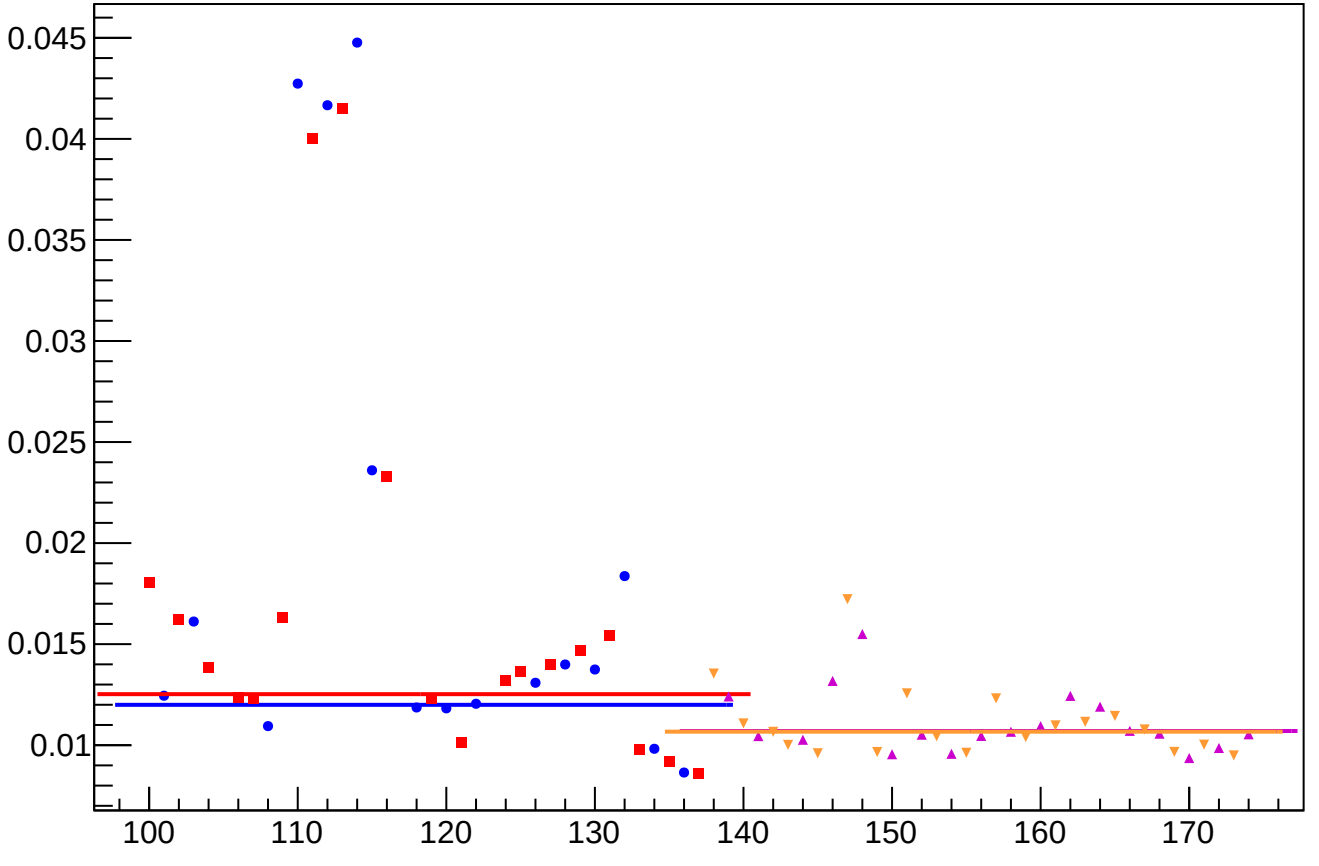
Right: 0.538+/-0.000 χ^2/NDF: 13094140546.7/34

In: 0.349+/-0.000 χ^2/NDF:7931275256.9/33

Out: 0.355+/-0.000 χ^2/NDF:8847606438.7/37

All: 0.352+/-0.000 χ^2/NDF: 16781898285.5/7

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1491608.2/15

Left Out: 0.011+/-0.000 χ^2/NDF:485984.7/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1434210.5/18

Left In: 0.011+/-0.000 χ^2/NDF:383821.9/17

Left: 0.011+/-0.000 χ^2/NDF: 869942.6/36

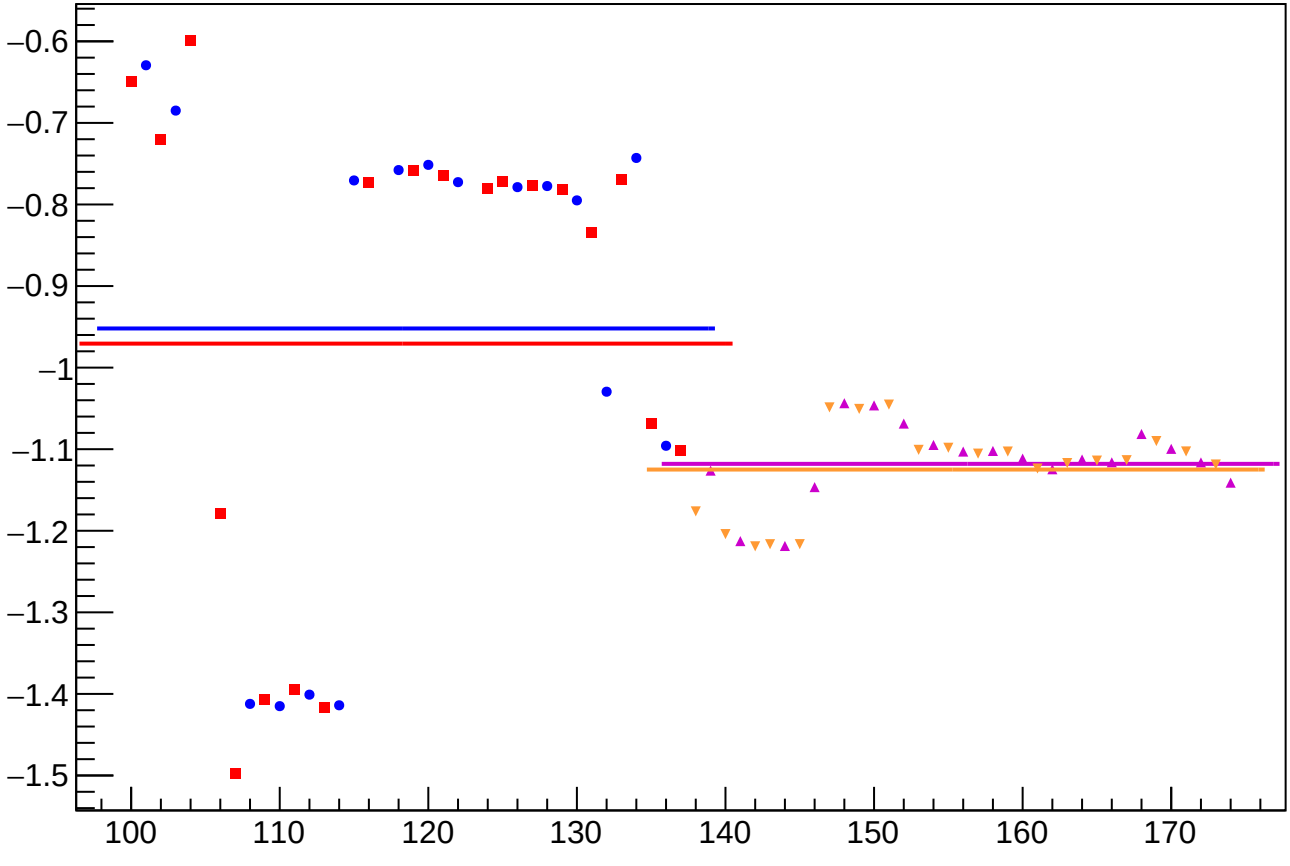
Right: 0.012+/-0.000 χ^2/NDF: 2937026.7/34

In: 0.011+/-0.000 χ^2/NDF:1979419.6/33

Out: 0.011+/-0.000 χ^2/NDF:2125158.9/37

All: 0.011+/-0.000 χ^2/NDF: 4105714.8/71

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.952+/-0.000 χ^2/NDF: 699468857.6/15

Left Out: -1.125+/-0.000 χ^2/NDF:102438556.2/18

Right Out: -0.971+/-0.000 χ^2/NDF: 714505458.0/18

Left In: -1.118+/-0.000 χ^2/NDF:76798626.3/17

Left: -1.122+/-0.000 χ^2/NDF: 180085639.0/36

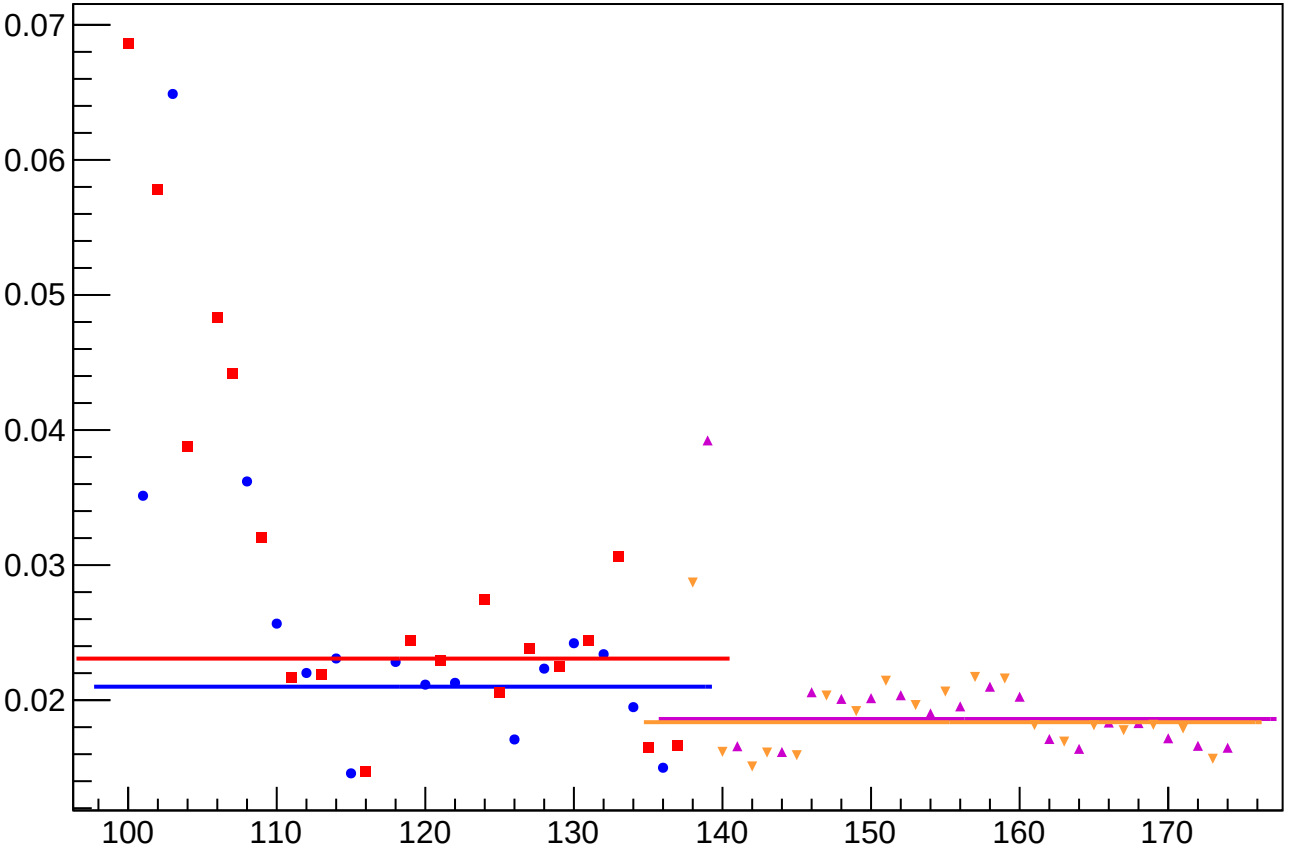
Right: -0.961+/-0.000 χ^2/NDF: 1415910427.1/34

In: -1.075+/-0.000 χ^2/NDF:1023184852.4/33

Out: -1.090+/-0.000 χ^2/NDF:1009075795.7/37

All: -1.082+/-0.000 χ^2/NDF: 2037636454.1/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 1166992.9/15

Left Out: 0.018+/-0.000 χ^2/NDF:448583.4/18

Right Out: 0.023+/-0.000 χ^2/NDF: 1281311.4/18

Left In: 0.019+/-0.000 χ^2/NDF:664861.1/17

Left: 0.018+/-0.000 χ^2/NDF: 1115388.9/36

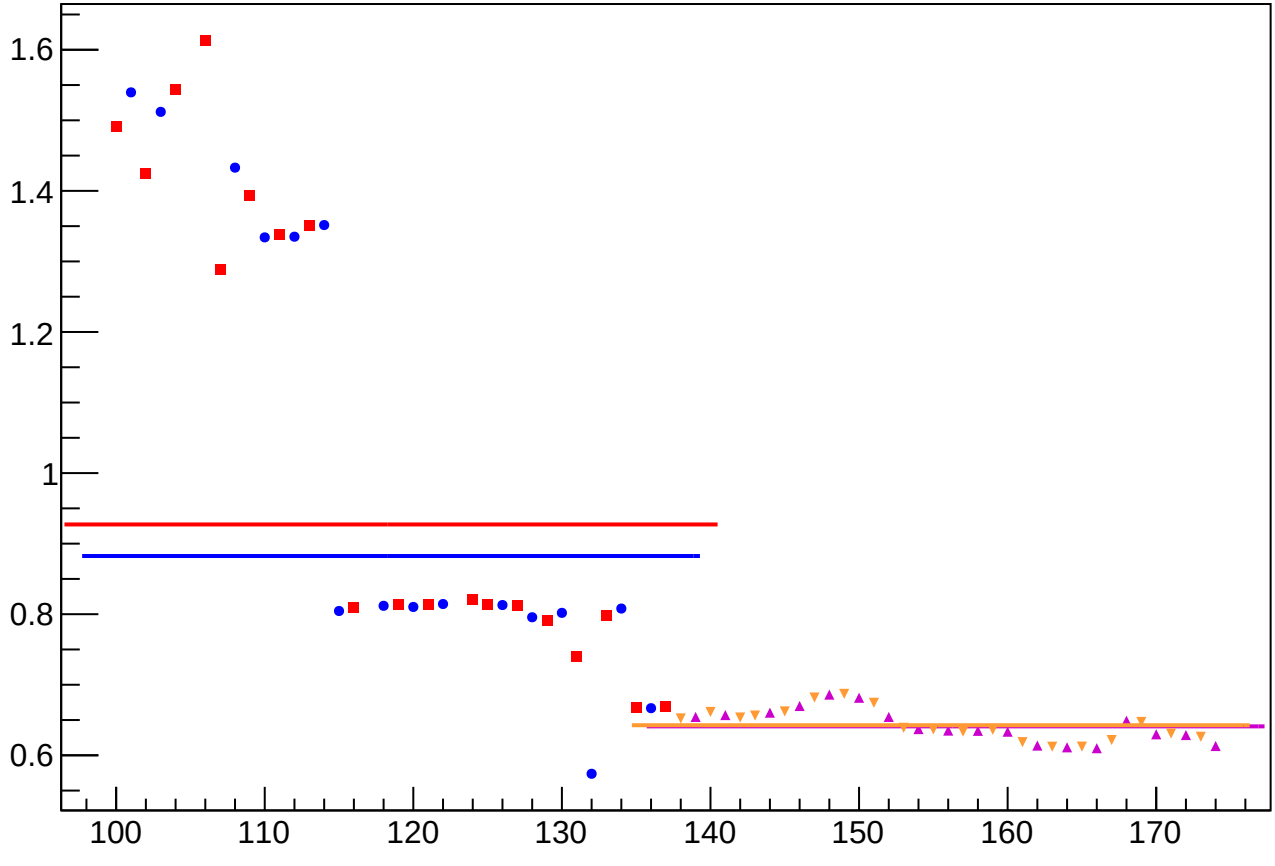
Right: 0.022+/-0.000 χ^2/NDF: 2496865.9/34

In: 0.019+/-0.000 χ^2/NDF:1934430.7/33

Out: 0.019+/-0.000 χ^2/NDF:2087342.3/37

All: 0.019+/-0.000 χ^2/NDF: 4023795.8/71

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.882+/-0.000 χ^2/NDF: 2784156746.4/15

Left Out: 0.643+/-0.000 χ^2/NDF:41083282.2/18

Right Out: 0.927+/-0.000 χ^2/NDF: 2762998321.3/18

Left In: 0.641+/-0.000 χ^2/NDF:42151946.2/17

Left: 0.642+/-0.000 χ^2/NDF: 83363578.0/36

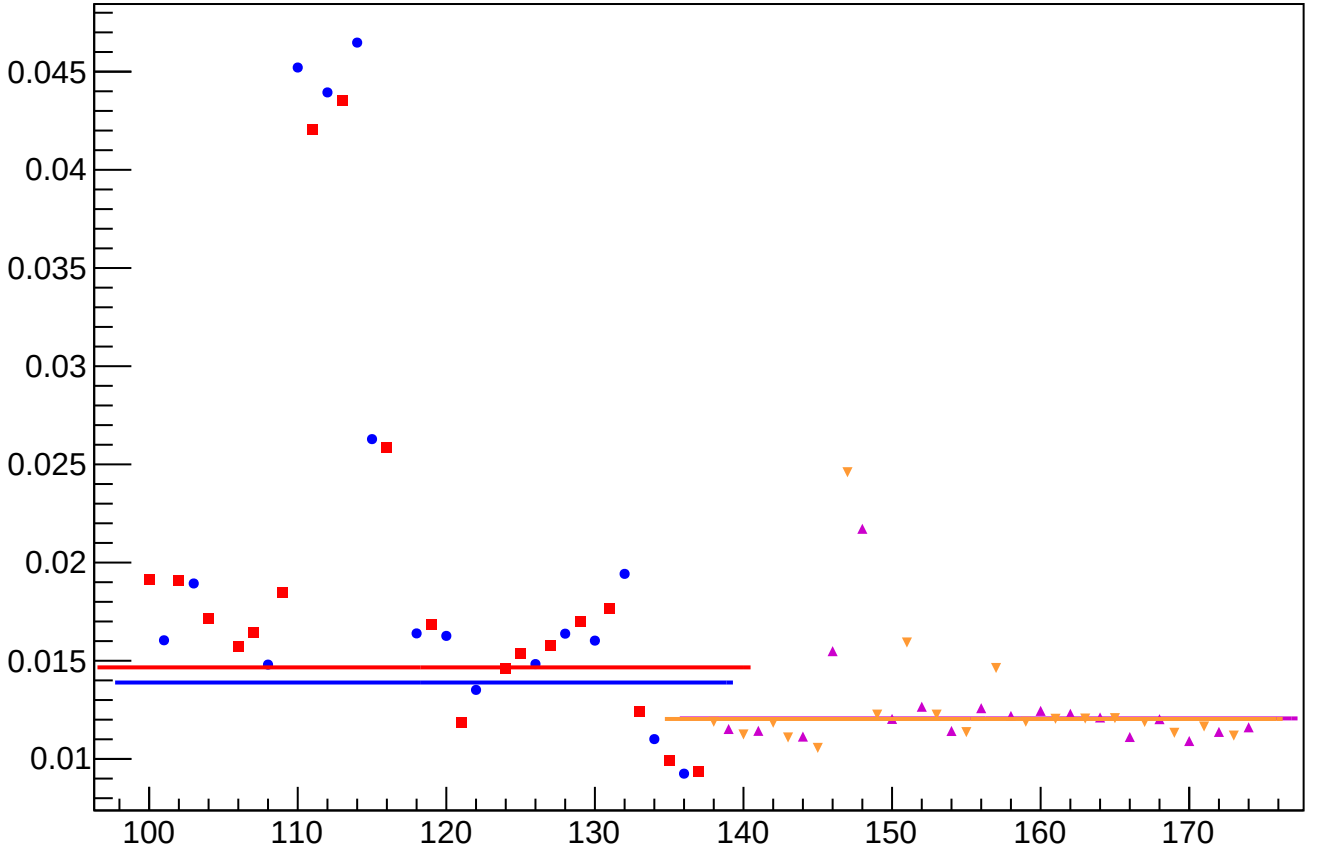
Right: 0.904+/-0.000 χ^2/NDF: 5576917007.9/34

In: 0.699+/-0.000 χ^2/NDF:4188122034.0/33

Out: 0.707+/-0.000 χ^2/NDF:4611277601.4/37

All: 0.703+/-0.000 χ^2/NDF: 8803814304.5/71

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1646691.8/15

Left Out: 0.012+/-0.000 χ^2/NDF:630229.7/18

Right Out: 0.015+/-0.000 χ^2/NDF: 1467025.6/18

Left In: 0.012+/-0.000 χ^2/NDF:458394.1/17

Left: 0.012+/-0.000 χ^2/NDF: 1088701.5/36

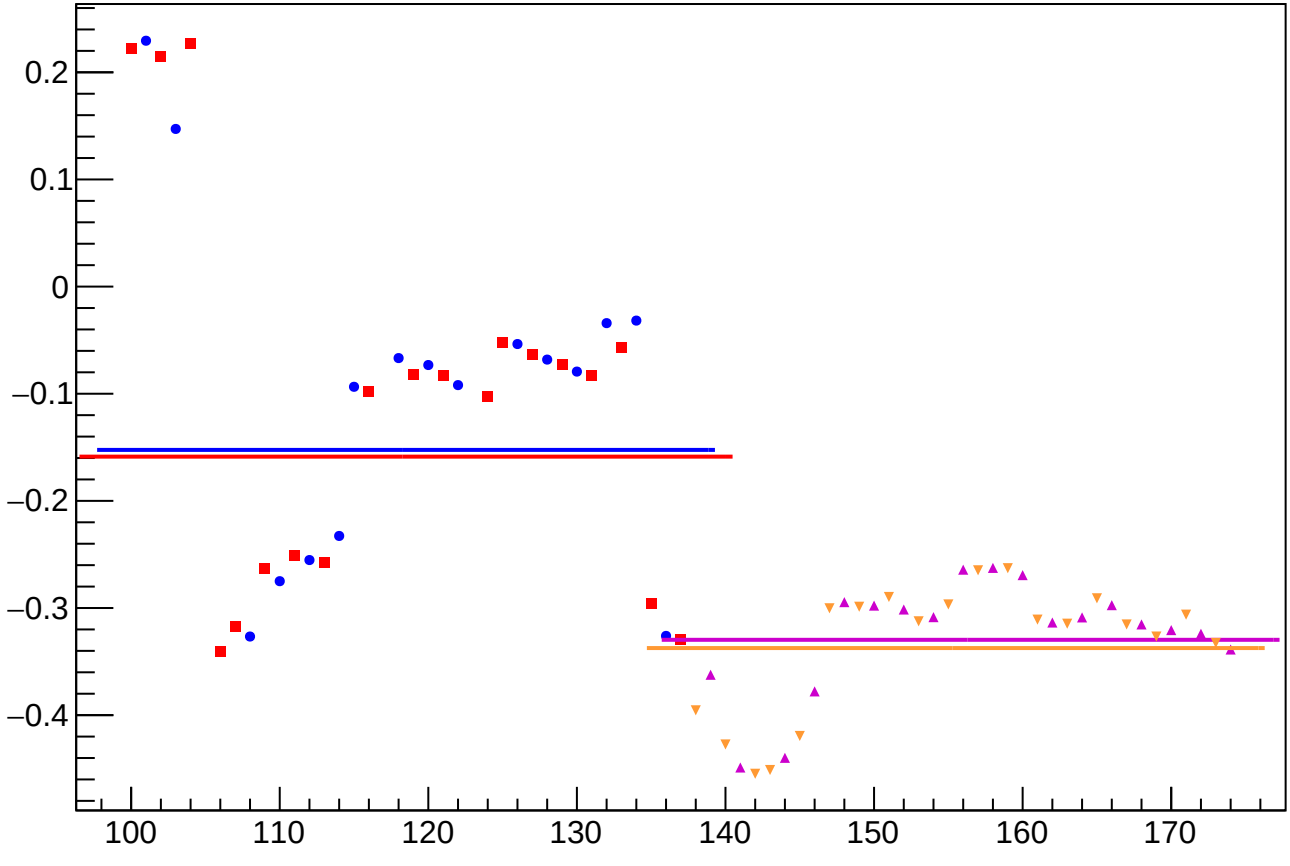
Right: 0.014+/-0.000 χ^2/NDF: 3131409.7/34

In: 0.013+/-0.000 χ^2/NDF:2261111.8/33

Out: 0.013+/-0.000 χ^2/NDF:2405233.3/37

All: 0.013+/-0.000 χ^2/NDF: 4668495.4/71

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.152+/-0.000 χ^2/NDF: 274261842.6/15

Left Out: -0.337+/-0.000 χ^2/NDF:126274232.5/18

Right Out: -0.159+/-0.000 χ^2/NDF: 195614120.0/18

Left In: -0.330+/-0.000 χ^2/NDF:103886315.8/17

Left: -0.334+/-0.000 χ^2/NDF: 231223022.7/36

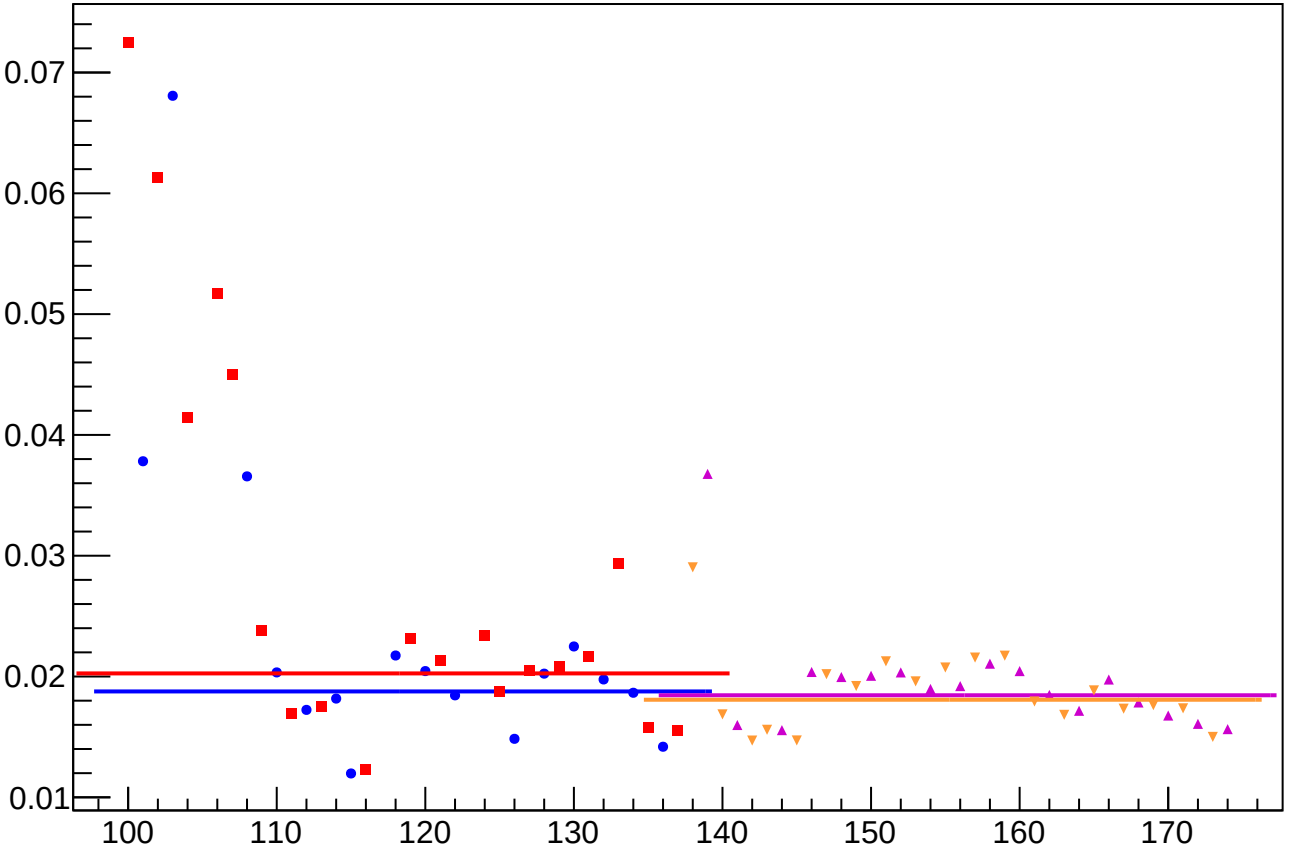
Right: -0.155+/-0.000 χ^2/NDF: 470153865.7/34

In: -0.277+/-0.000 χ^2/NDF:708011409.1/33

Out: -0.290+/-0.000 χ^2/NDF:632992134.9/37

All: -0.283+/-0.000 χ^2/NDF: 1345509078.2/7

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1349412.3/15

Left Out: 0.018+/-0.000 χ^2/NDF:548281.1/18

Right Out: 0.020+/-0.000 χ^2/NDF: 1529624.9/18

Left In: 0.018+/-0.000 χ^2/NDF:672856.6/17

Left: 0.018+/-0.000 χ^2/NDF: 1226073.7/36

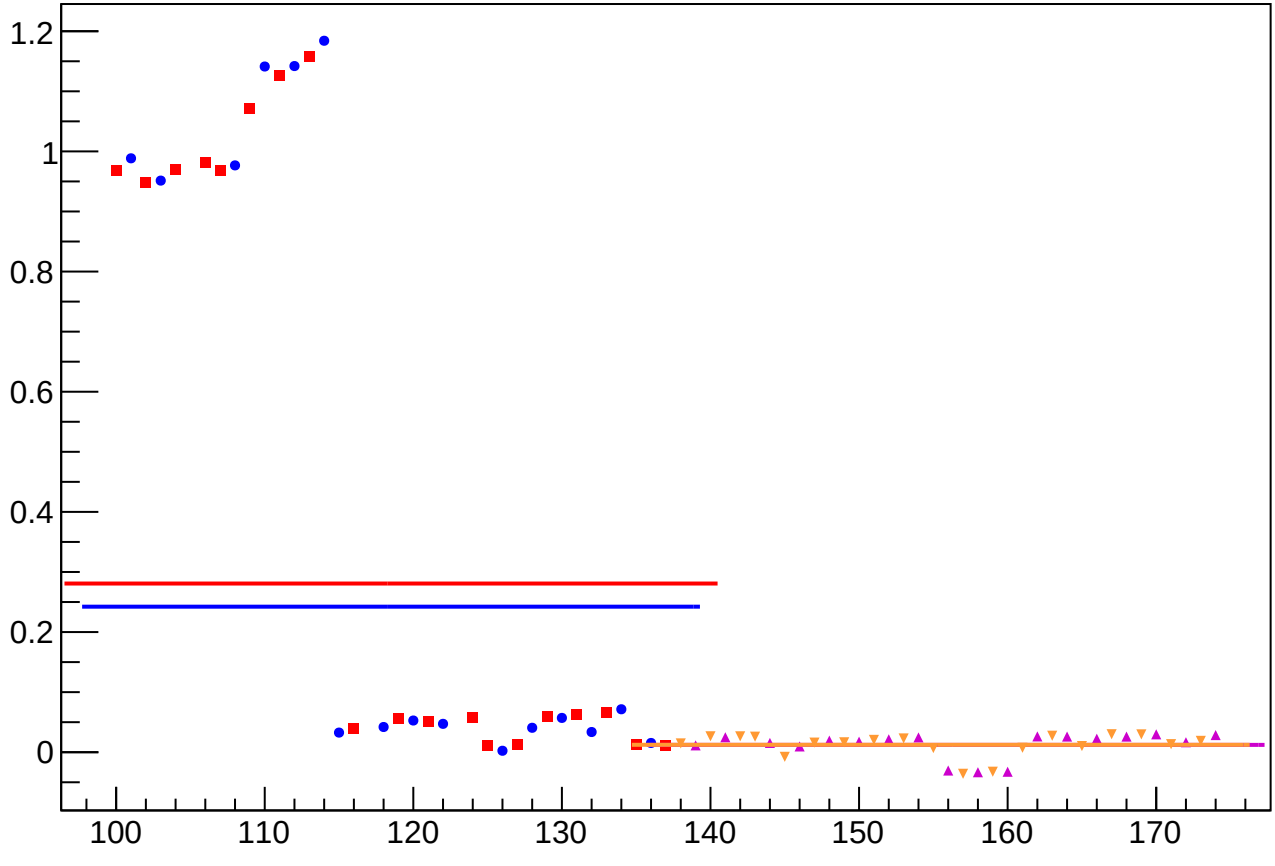
Right: 0.019+/-0.000 χ^2/NDF: 2910384.5/34

In: 0.019+/-0.000 χ^2/NDF:2024371.2/33

Out: 0.019+/-0.000 χ^2/NDF:2170509.6/37

All: 0.019+/-0.000 χ^2/NDF: 4195514.5/71

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.242+/-0.000 χ^2/NDF: 6507444426.7/15

Left Out: 0.012+/-0.000 χ^2/NDF:44619622.2/18

Right Out: 0.281+/-0.000 χ^2/NDF: 6757631639.3/18

Left In: 0.012+/-0.000 χ^2/NDF:57552153.8/17

Left: 0.012+/-0.000 χ^2/NDF: 102173145.3/36

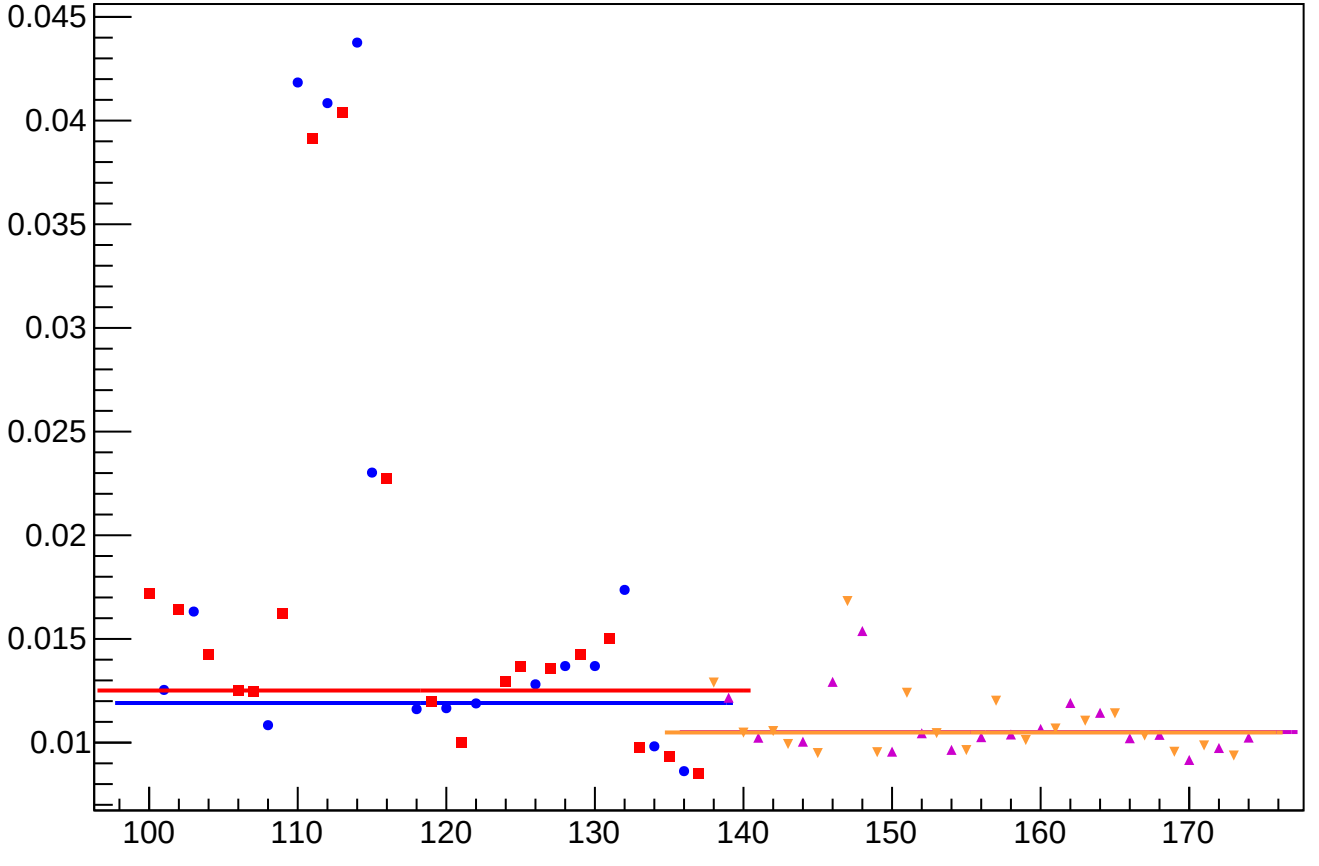
Right: 0.261+/-0.000 χ^2/NDF: 13295182324.5/34

In: 0.069+/-0.000 χ^2/NDF:8240511221.1/33

Out: 0.075+/-0.000 χ^2/NDF:8968537725.5/37

All: 0.072+/-0.000 χ^2/NDF: 17211589526.1/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1459428.8/15

Left Out: 0.010+/-0.000 χ^2/NDF:450198.8/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1392455.1/18

Left In: 0.011+/-0.000 χ^2/NDF:360536.8/17

Left: 0.010+/-0.000 χ^2/NDF: 810782.8/36

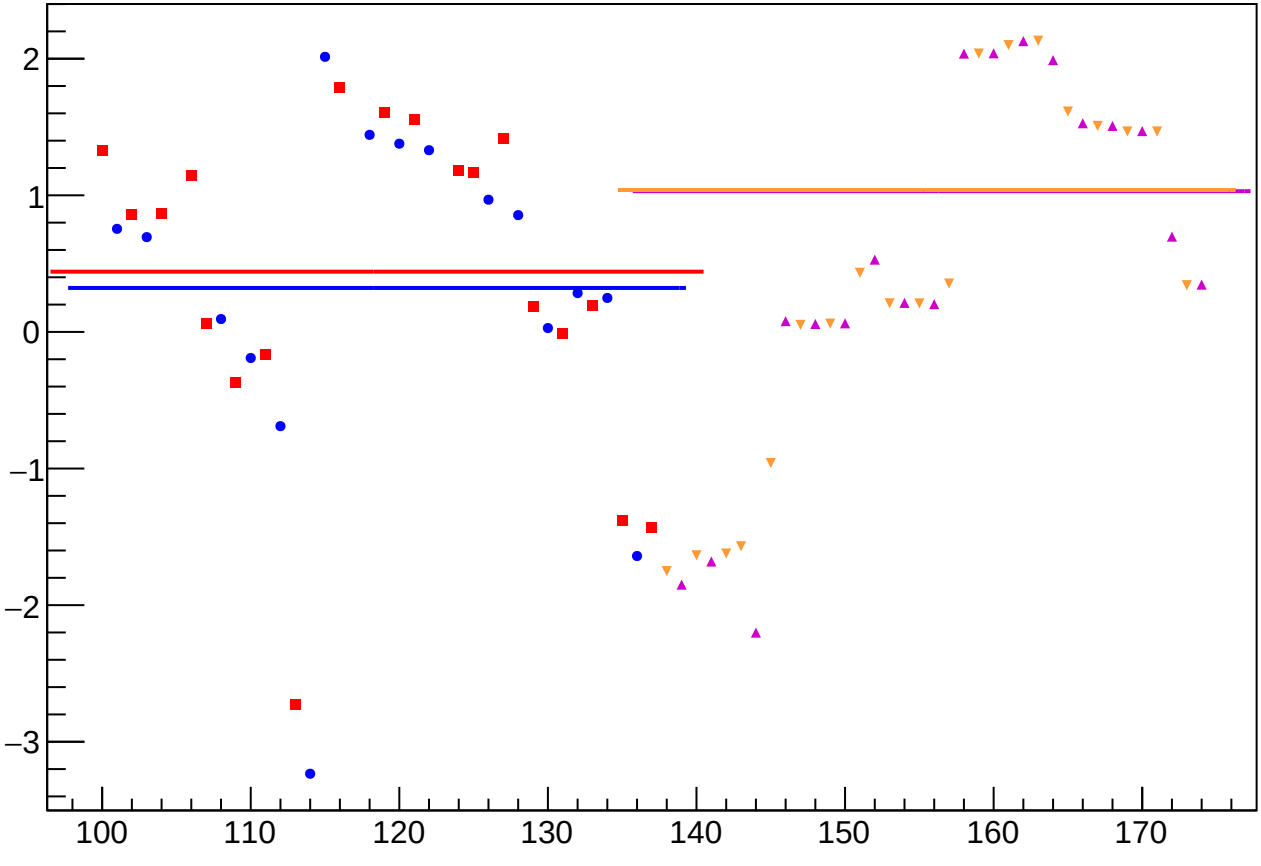
Right: 0.012+/-0.000 χ^2/NDF: 2866610.3/34

In: 0.011+/-0.000 χ^2/NDF:1944291.6/33

Out: 0.011+/-0.000 χ^2/NDF:2088702.3/37

All: 0.011+/-0.000 χ^2/NDF: 4034804.2/71

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.322+/-0.000 χ^2/NDF: 1664983742.5/15

Left Out: 1.039+/-0.000 χ^2/NDF:31464480368.0/18

Right Out: 0.441+/-0.000 χ^2/NDF: 1796703168.4/18

Left In: 1.030+/-0.000 χ^2/NDF:35605605140.6/17

Left: 1.034+/-0.000 χ^2/NDF: 67071834058.6/36

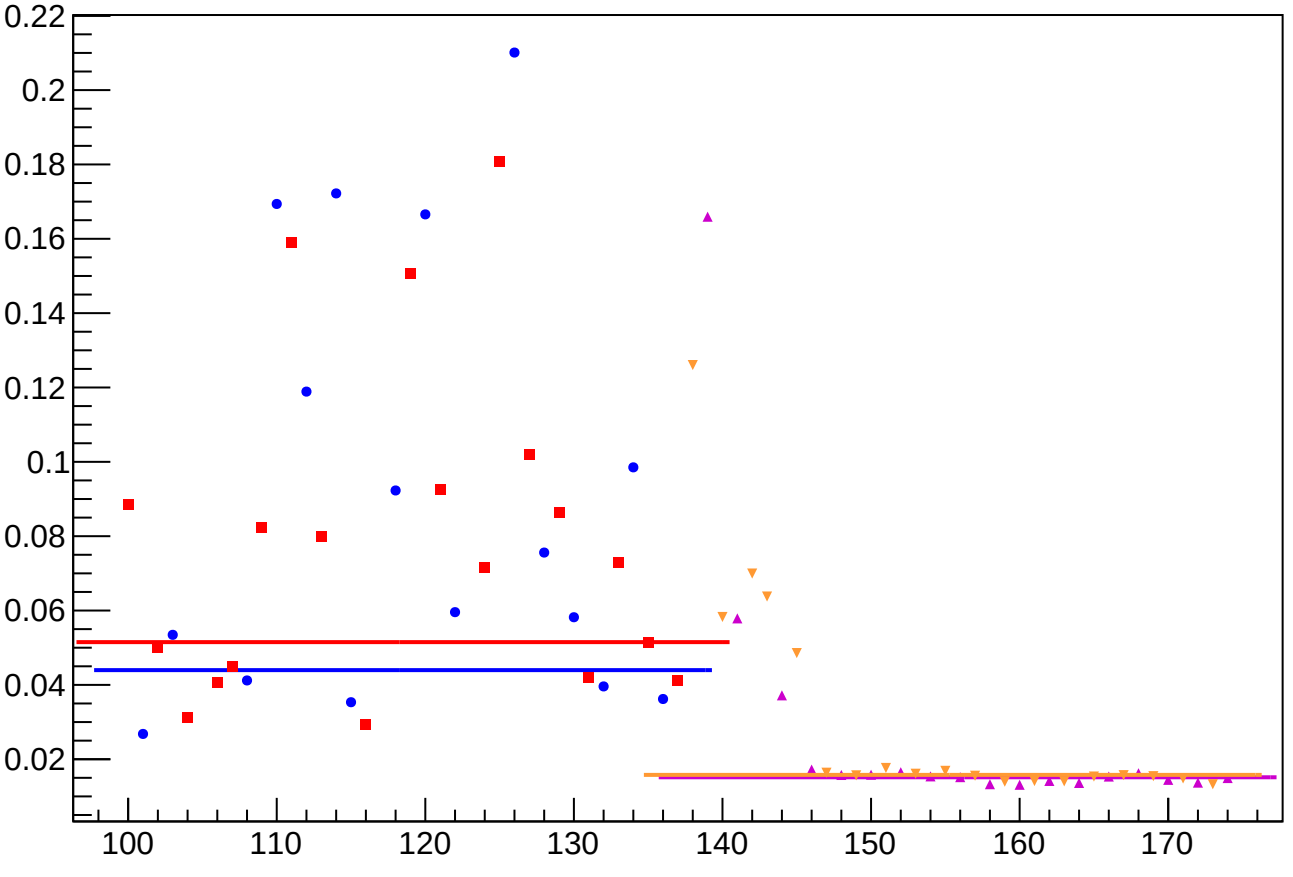
Right: 0.376+/-0.000 χ^2/NDF: 3474475474.1/34

In: 1.002+/-0.000 χ^2/NDF:38226580556.8/33

Out: 1.017+/-0.000 χ^2/NDF:33828032901.3/37

All: 1.009+/-0.000 χ^2/NDF: 72060030400.1/7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.044+/-0.000 χ^2/NDF: 2787474.8/15

Left Out: 0.016+/-0.000 χ^2/NDF:2941620.9/18

Right Out: 0.052+/-0.000 χ^2/NDF: 2367478.8/18

Left In: 0.015+/-0.000 χ^2/NDF:2169272.7/17

Left: 0.015+/-0.000 χ^2/NDF: 5129706.9/36

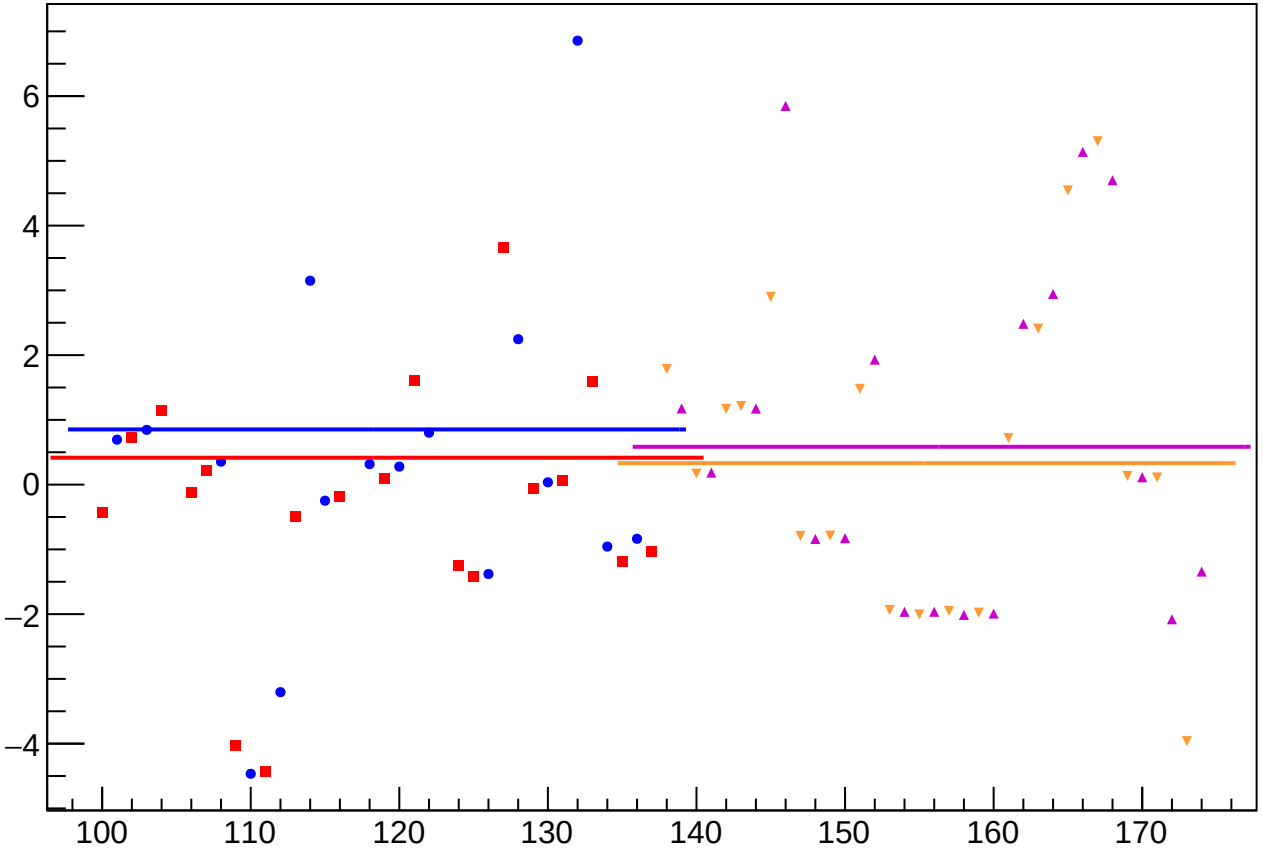
Right: 0.047+/-0.000 χ^2/NDF: 5257025.7/34

In: 0.016+/-0.000 χ^2/NDF:8122864.2/33

Out: 0.017+/-0.000 χ^2/NDF:9353492.9/37

All: 0.017+/-0.000 χ^2/NDF: 17506695.6/71

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.852+/-0.000 χ^2/NDF: 11576037687.7/15

Left Out: 0.332+/-0.000 χ^2/NDF:497389556790.2/18

Right Out: 0.416+/-0.000 χ^2/NDF: 5121892038.7/18

Left In: 0.584+/-0.000 χ^2/NDF:593182034820.9/17

Left: 0.464+/-0.000 χ^2/NDF: 1092879780121.4/36

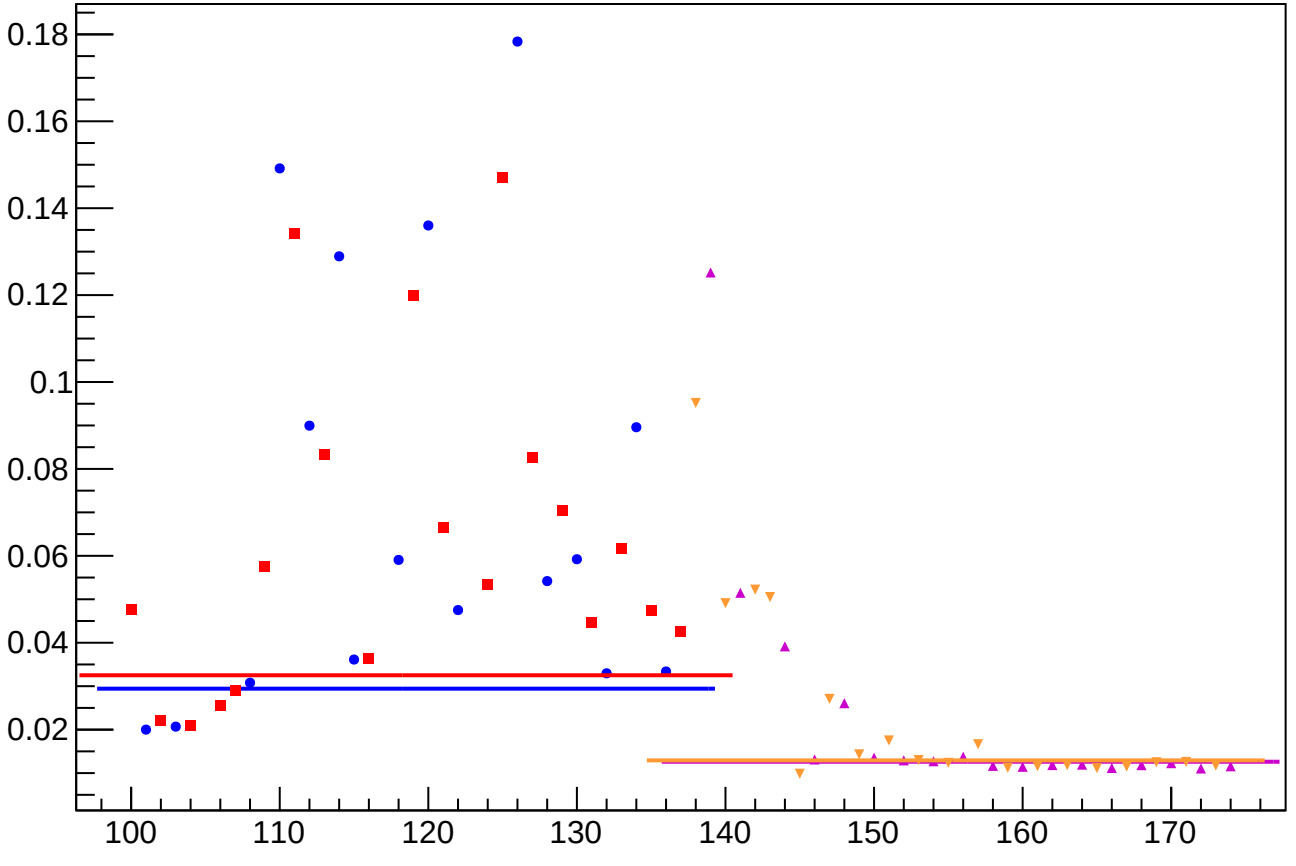
Right: 0.644+/-0.000 χ^2/NDF: 17086077865.4/34

In: 0.599+/-0.000 χ^2/NDF:605047703730.0/33

Out: 0.336+/-0.000 χ^2/NDF:502537507589.0/37

All: 0.473+/-0.000 χ^2/NDF: 1110216119549.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 3192424.8/15

Left Out: 0.013+/-0.000 χ^2/NDF:3129101.5/18

Right Out: 0.033+/-0.000 χ^2/NDF: 3315430.7/18

Left In: 0.013+/-0.000 χ^2/NDF:2734068.3/17

Left: 0.013+/-0.000 χ^2/NDF: 5870137.8/36

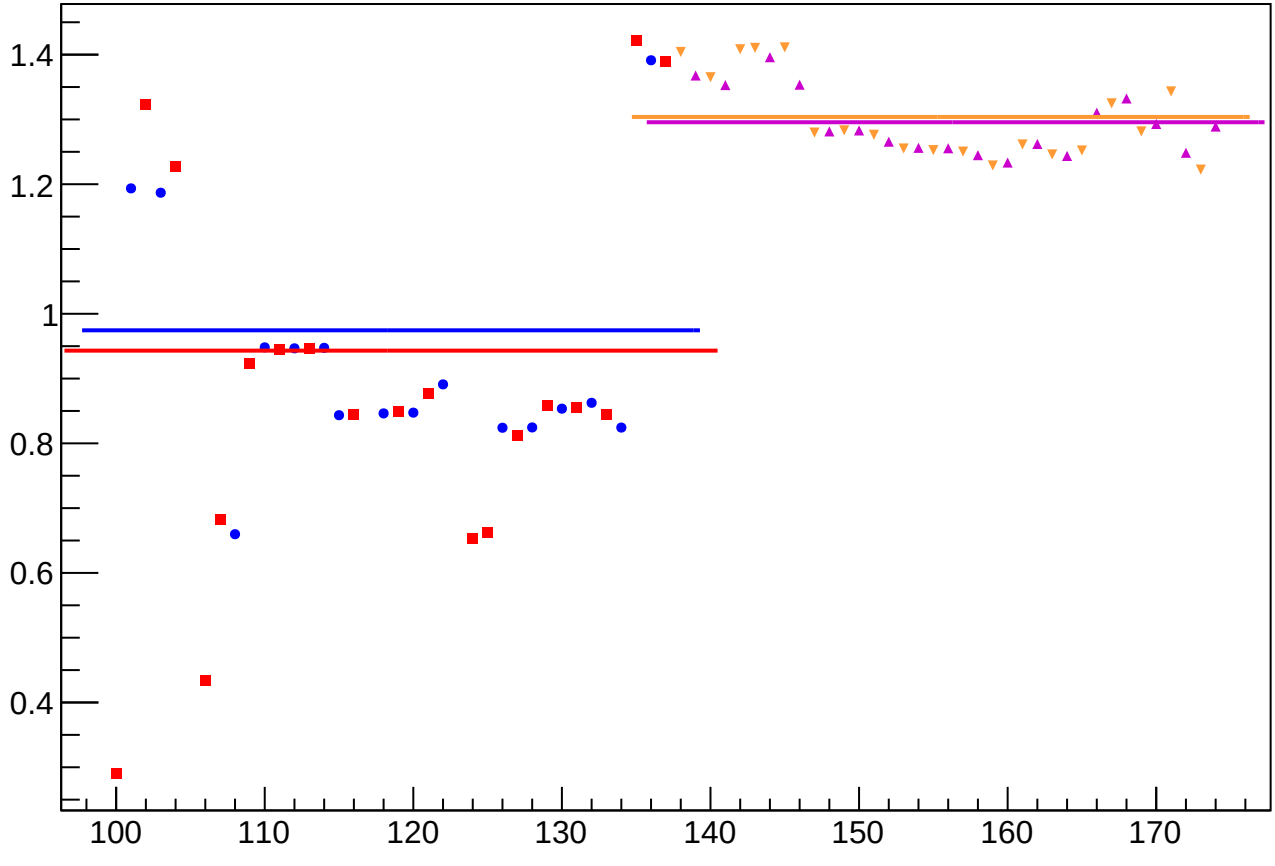
Right: 0.031+/-0.000 χ^2/NDF: 6546669.2/34

In: 0.014+/-0.000 χ^2/NDF:8206609.9/33

Out: 0.014+/-0.000 χ^2/NDF:9280186.7/37

All: 0.014+/-0.000 χ^2/NDF: 17502900.3/71

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.974+/-0.000 χ^2/NDF: 1458735246.5/15

Left Out: 1.304+/-0.000 χ^2/NDF:297659639.0/18

Right Out: 0.943+/-0.000 χ^2/NDF: 1670579900.3/18

Left In: 1.296+/-0.000 χ^2/NDF:164906608.1/17

Left: 1.300+/-0.000 χ^2/NDF: 464936185.9/36

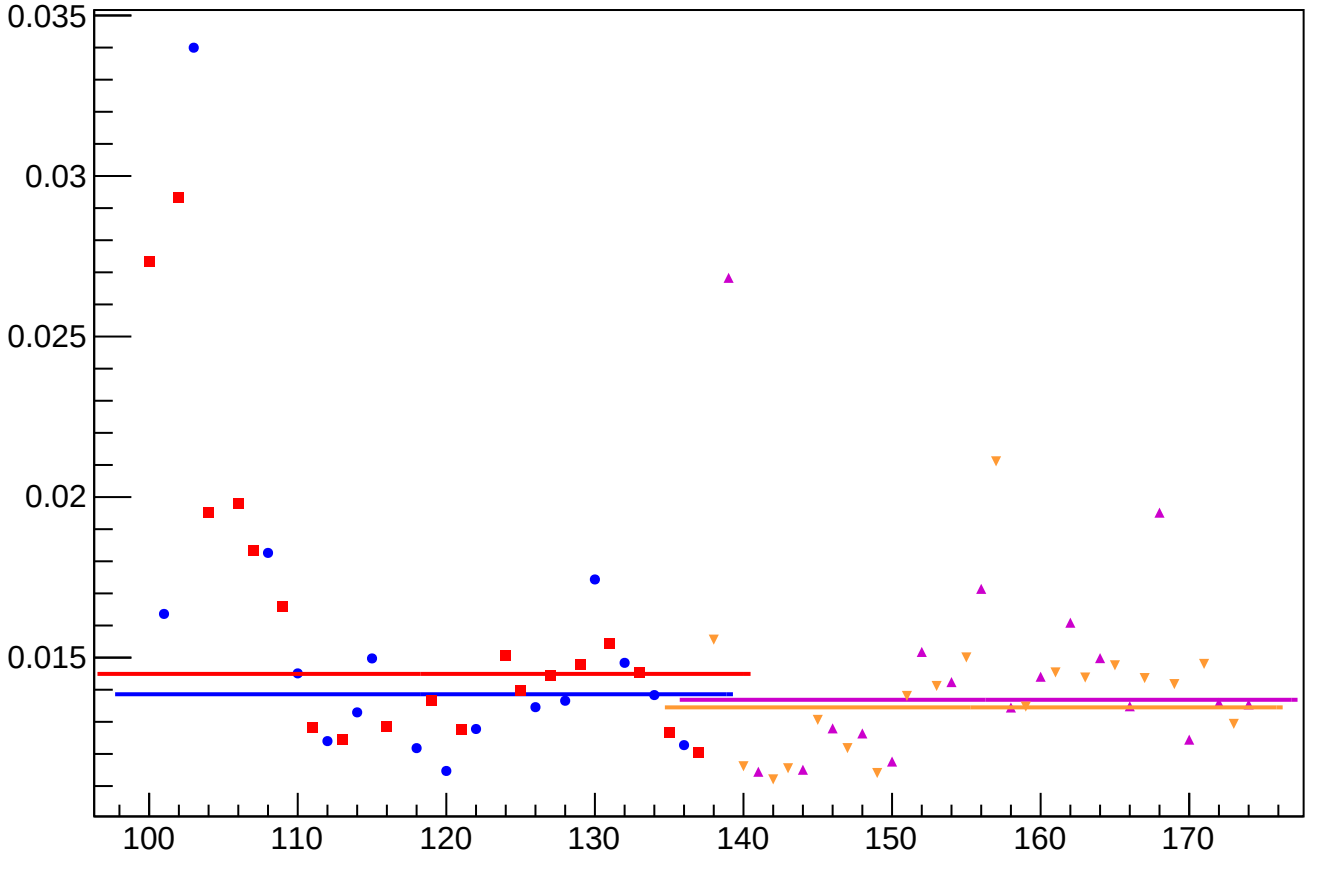
Right: 0.959+/-0.000 χ^2/NDF: 3144762694.7/34

In: 1.194+/-0.000 χ^2/NDF:3904581584.2/33

Out: 1.196+/-0.000 χ^2/NDF:4757764696.5/37

All: 1.195+/-0.000 χ^2/NDF: 8662680525.7/71

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 599979.5/15

Left Out: 0.013+/-0.000 χ^2/NDF:427640.1/18

Right Out: 0.014+/-0.000 χ^2/NDF: 544337.7/18

Left In: 0.014+/-0.000 χ^2/NDF:842580.6/17

Left: 0.014+/-0.000 χ^2/NDF: 1274173.8/36

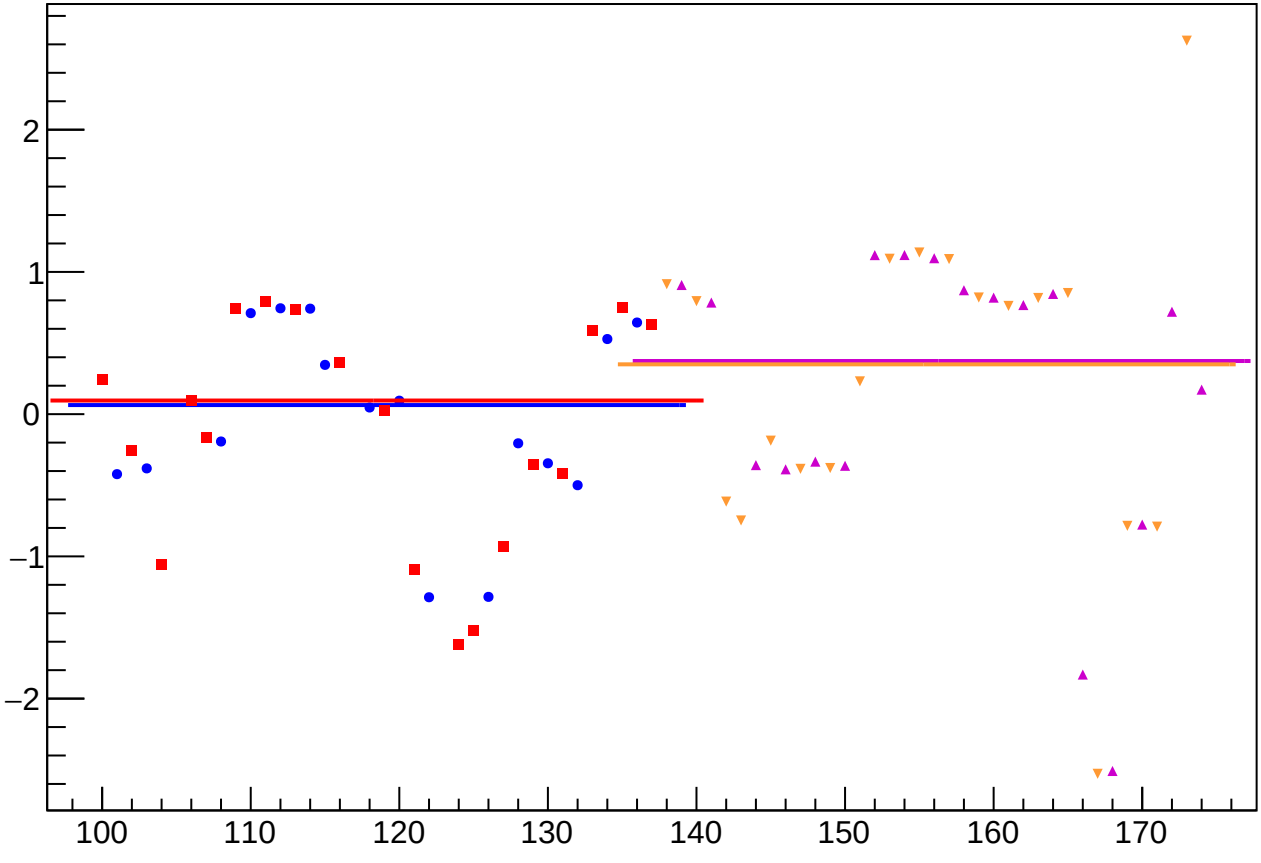
Right: 0.014+/-0.000 χ^2/NDF: 1156942.1/34

In: 0.014+/-0.000 χ^2/NDF:1443876.0/33

Out: 0.014+/-0.000 χ^2/NDF:1018581.5/37

All: 0.014+/-0.000 χ^2/NDF: 2462496.6/71

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.064+/-0.000 χ^2/NDF: 11035911379.4/15

Left Out: 0.350+/-0.000 χ^2/NDF:99845679768.5/18

Right Out: 0.096+/-0.000 χ^2/NDF: 17784850774.3/18

Left In: 0.374+/-0.000 χ^2/NDF:84371949943.9/17

Left: 0.362+/-0.000 χ^2/NDF: 184243502566.7/36

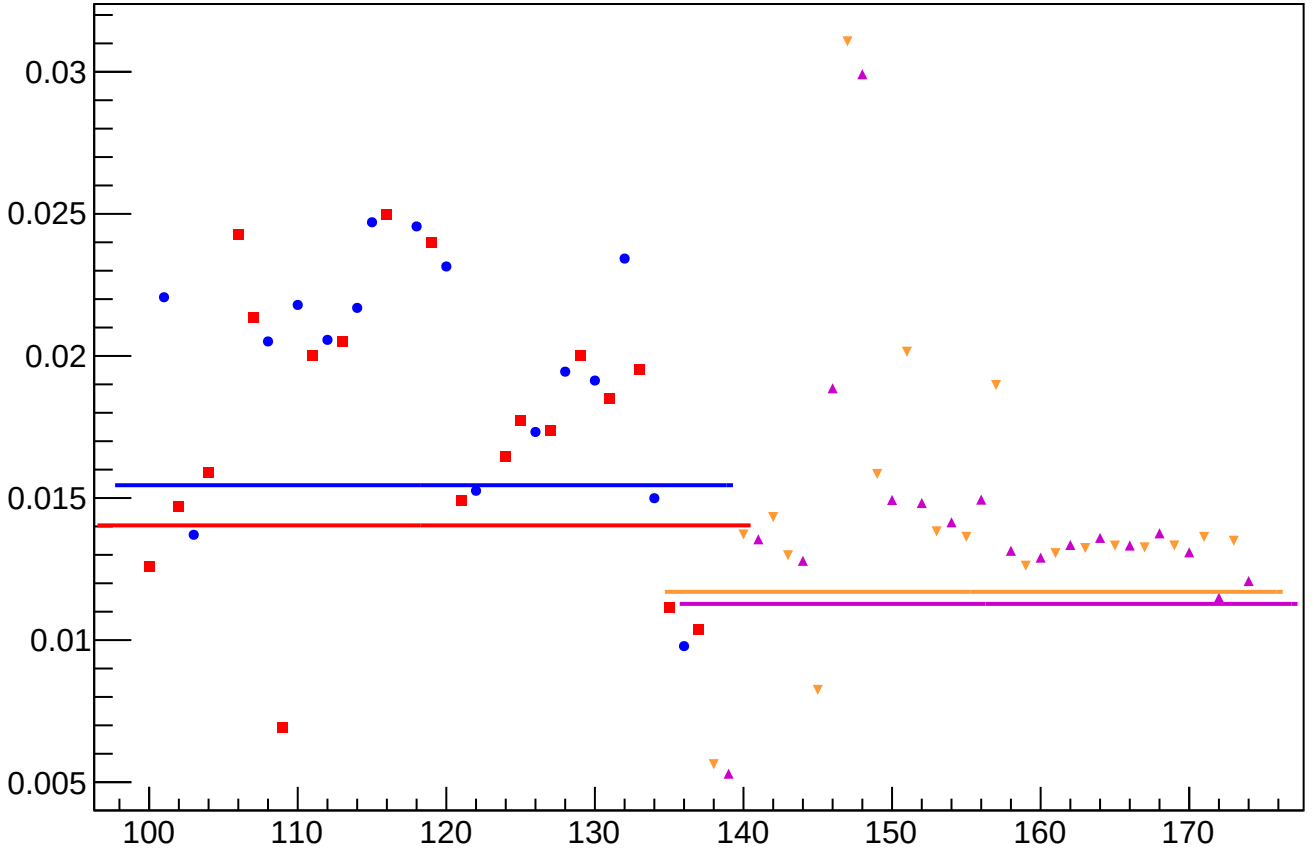
Right: 0.081+/-0.000 χ^2/NDF: 28834701842.2/34

In: 0.310+/-0.000 χ^2/NDF:97326130111.0/33

Out: 0.288+/-0.000 χ^2/NDF:119089009642.7/37

All: 0.299+/-0.000 χ^2/NDF: 216444635949.3

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 1293711.1/15

Left Out: 0.012+/-0.000 χ^2/NDF:3199006.7/18

Right Out: 0.014+/-0.000 χ^2/NDF: 1686554.4/18

Left In: 0.011+/-0.000 χ^2/NDF:3574852.8/17

Left: 0.011+/-0.000 χ^2/NDF: 6790951.2/36

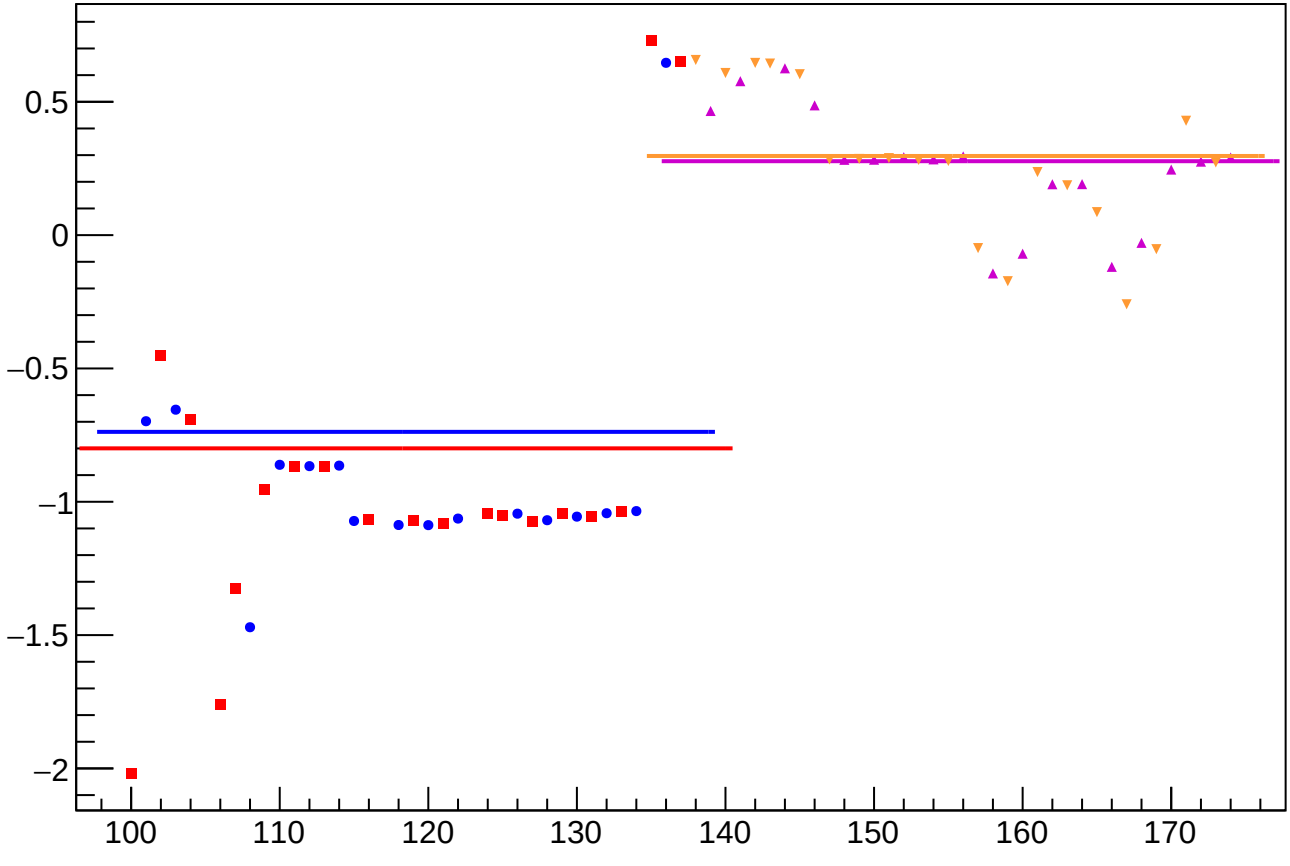
Right: 0.015+/-0.000 χ^2/NDF: 3034802.2/34

In: 0.012+/-0.000 χ^2/NDF:5565927.3/33

Out: 0.012+/-0.000 χ^2/NDF:5131867.4/37

All: 0.012+/-0.000 χ^2/NDF: 10700142.5/71

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.738+/-0.000 χ^2/NDF: 2072845802.4/15

Left Out: 0.297+/-0.000 χ^2/NDF:747572644.7/18

Right Out: -0.800+/-0.000 χ^2/NDF: 1883862445.0/18

Left In: 0.277+/-0.000 χ^2/NDF:501906698.5/17

Left: 0.287+/-0.000 χ^2/NDF: 1251508758.9/36

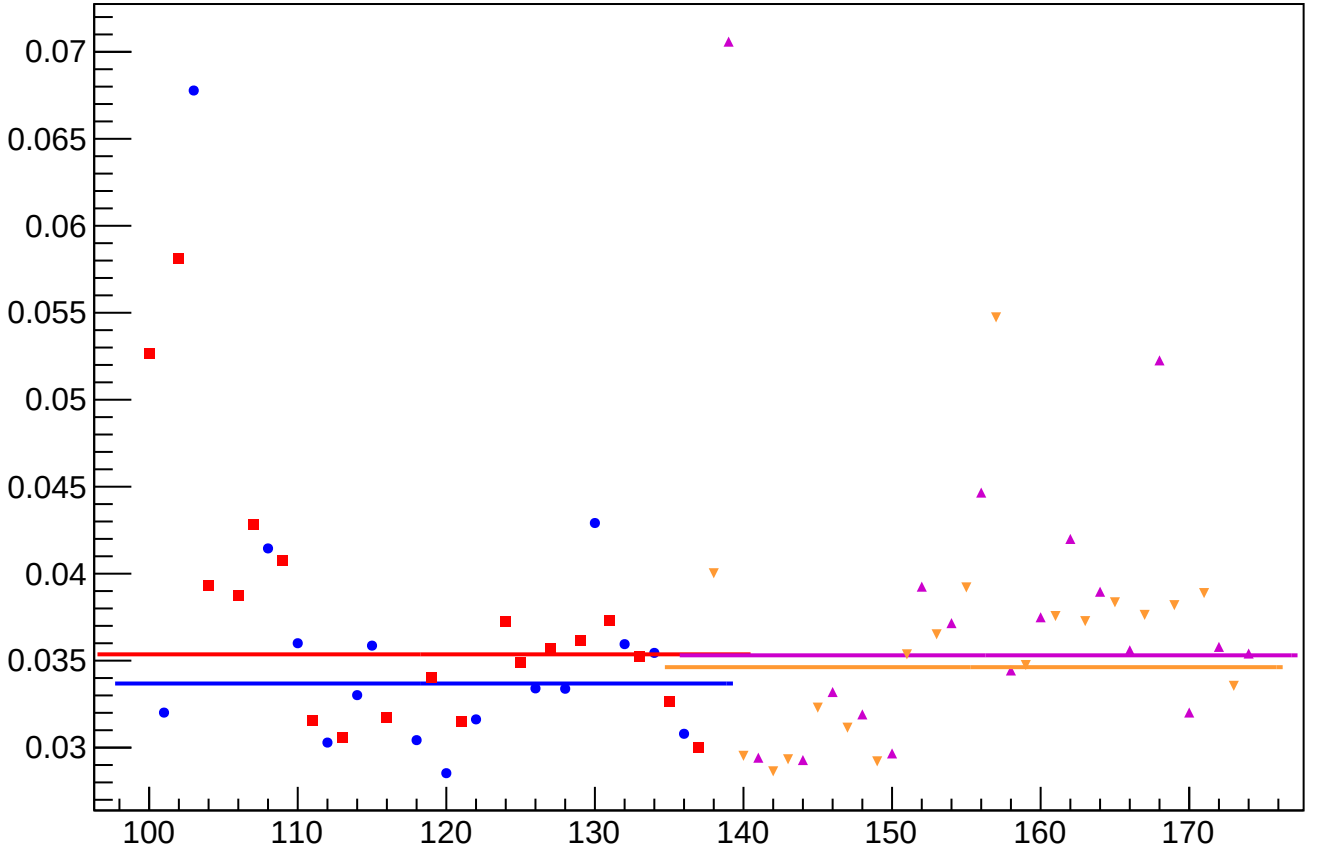
Right: -0.768+/-0.000 χ^2/NDF: 3966960462.4/34

In: -0.077+/-0.000 χ^2/NDF:6302348420.5/33

Out: -0.059+/-0.000 χ^2/NDF:6831775563.3/37

All: -0.068+/-0.000 χ^2/NDF: 13136627092.9/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.034+/-0.000 χ^2/NDF: 420227.2/15

Left Out: 0.035+/-0.000 χ^2/NDF:482367.4/18

Right Out: 0.035+/-0.000 χ^2/NDF: 296353.9/18

Left In: 0.035+/-0.000 χ^2/NDF:929409.6/17

Left: 0.035+/-0.000 χ^2/NDF: 1416674.4/36

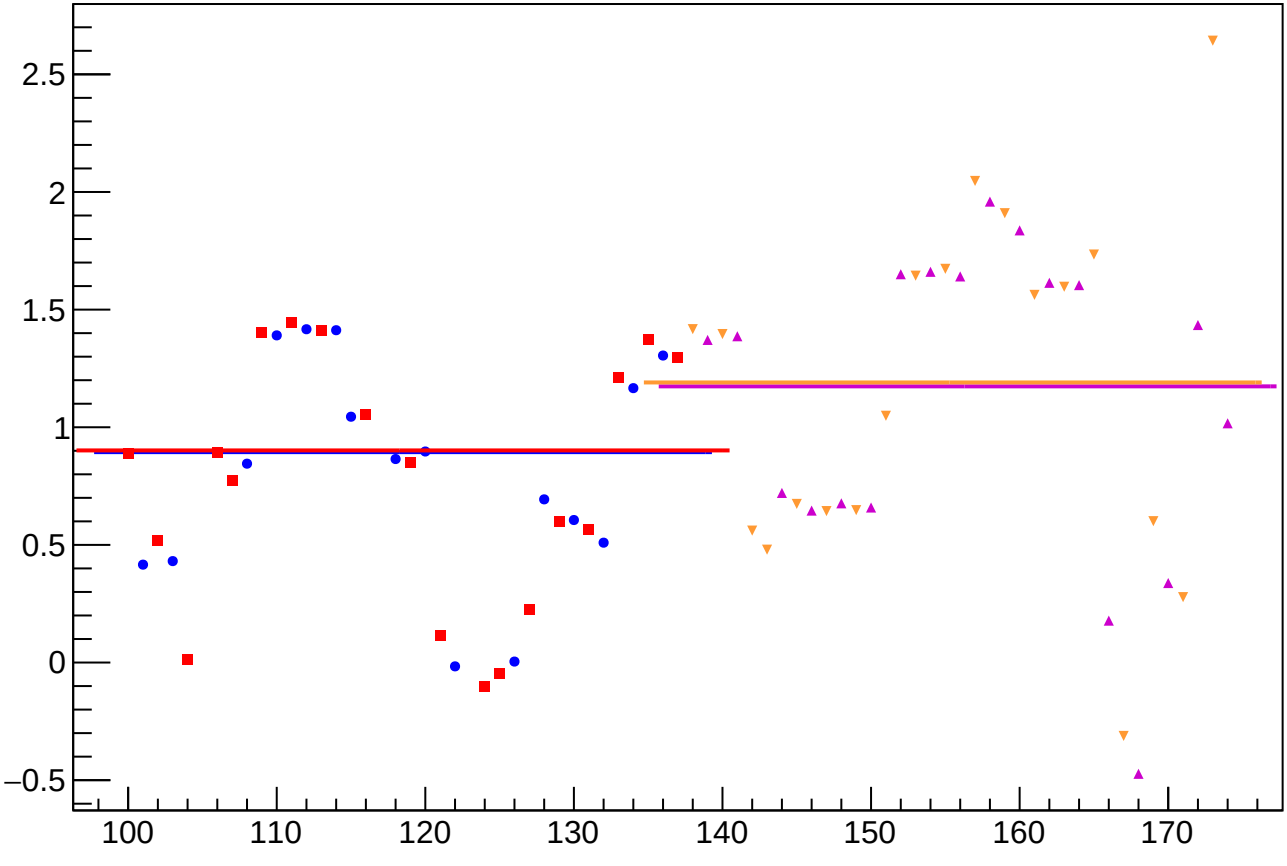
Right: 0.034+/-0.000 χ^2/NDF: 731644.4/34

In: 0.035+/-0.000 χ^2/NDF:1368644.2/33

Out: 0.035+/-0.000 χ^2/NDF:782516.3/37

All: 0.035+/-0.000 χ^2/NDF: 2151403.4/71

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.894+/-0.000 χ^2/NDF: 12749707787.6/15

Left Out: 1.190+/-0.000 χ^2/NDF:85272260586.2/18

Right Out: 0.902+/-0.000 χ^2/NDF: 17893051843.7/18

Left In: 1.174+/-0.000 χ^2/NDF:66083434375.5/17

Left: 1.182+/-0.000 χ^2/NDF: 151378833165.0/36

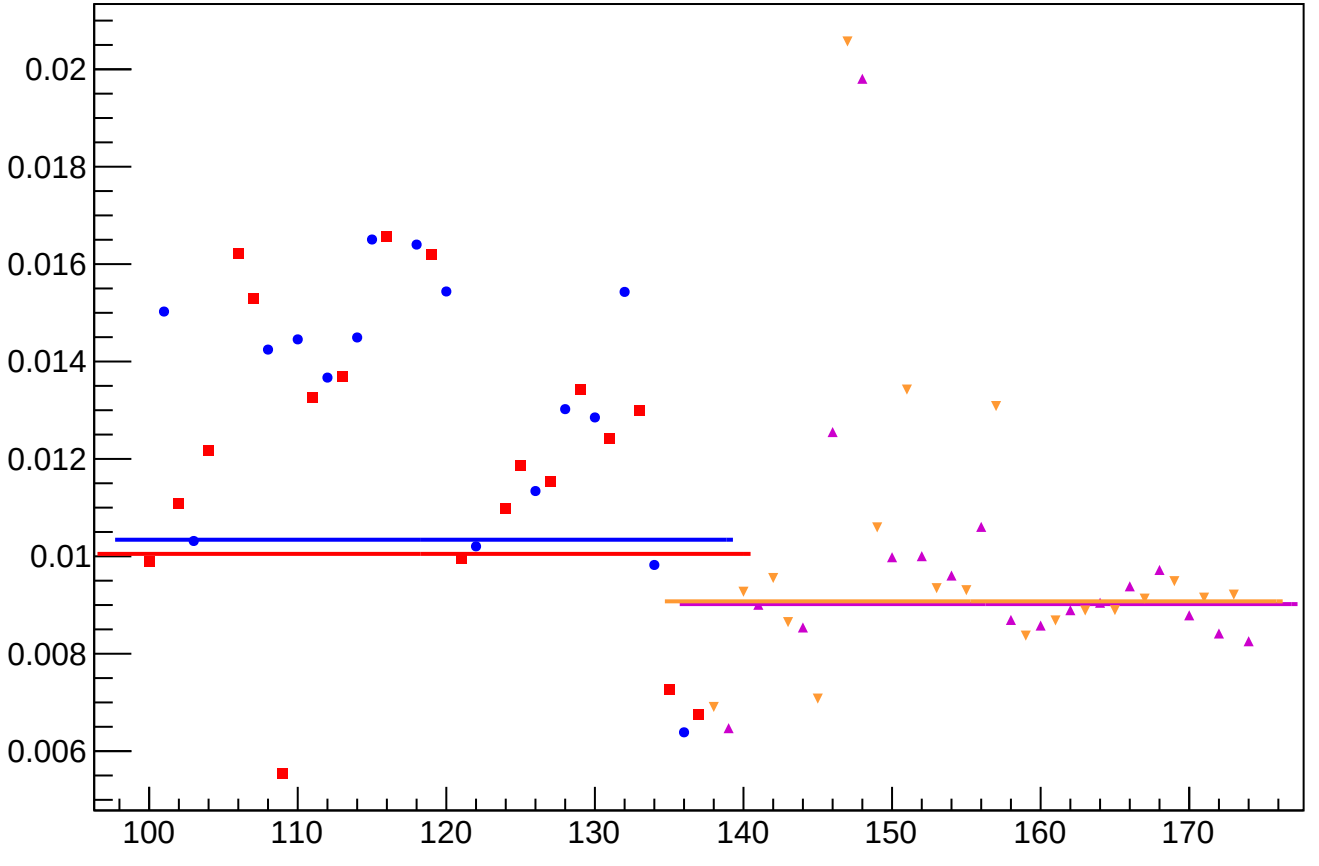
Right: 0.898+/-0.000 χ^2/NDF: 30644277544.6/34

In: 1.104+/-0.000 χ^2/NDF:82105314880.4/33

Out: 1.114+/-0.000 χ^2/NDF:106865356305.9/37

All: 1.109+/-0.000 χ^2/NDF: 188981654107.6

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:1127738.0/18

Right Out: 0.010+/-0.000 χ^2/NDF: 1336866.7/18

Left In: 0.009+/-0.000 χ^2/NDF:952226.9/17

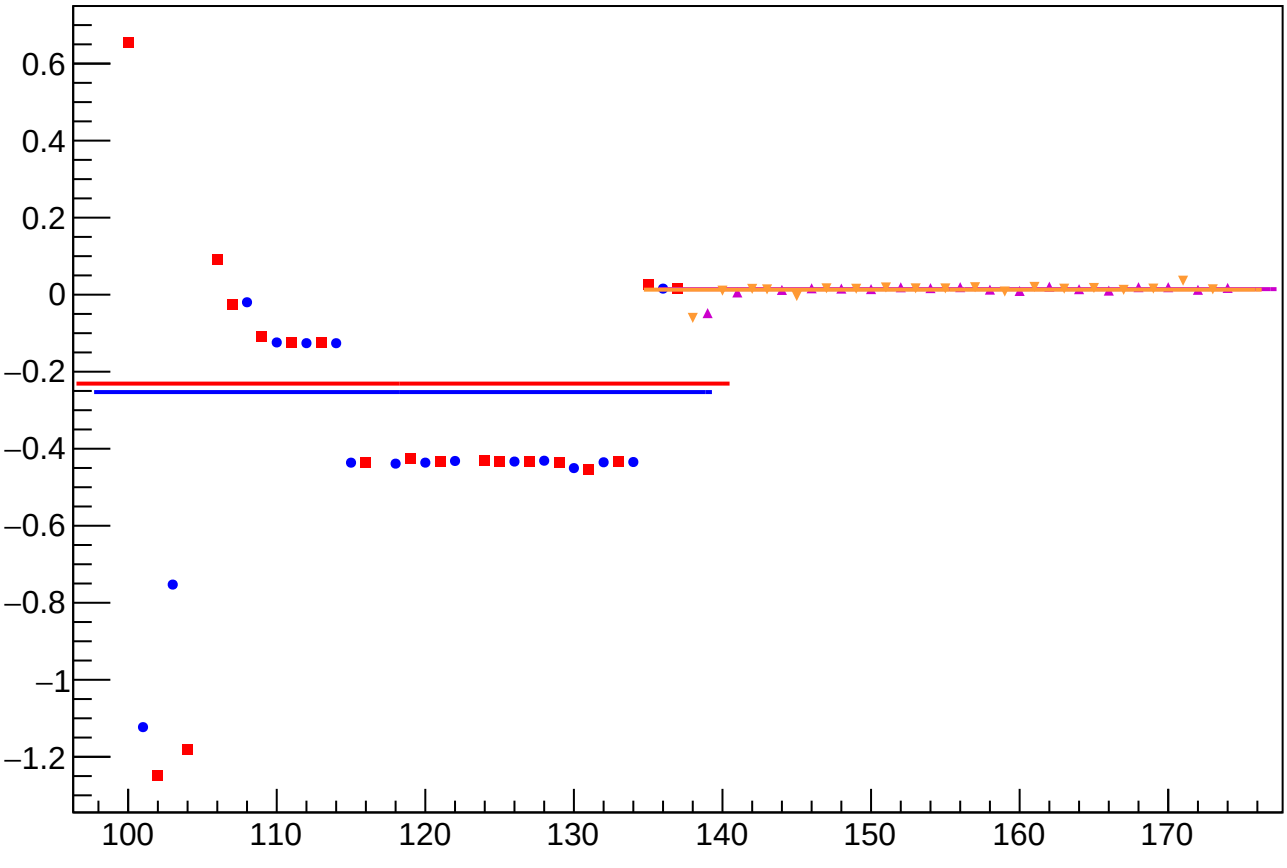
Left: 0.009+/-0.000 χ^2/NDF: 2080502.3/36

Right: 0.010+/-0.000 χ^2/NDF: 2692207.1/34

In: 0.009+/-0.000 χ^2/NDF:2448955.5/33

Out: 0.009+/-0.000 χ^2/NDF:2548779.8/37

All: 0.009+/-0.000 χ^2/NDF: 4997786.8/71



Right In: -0.253+/-0.000 χ^2/NDF: 2025242410.1/15

Left Out: 0.013+/-0.000 χ^2/NDF:27366854.4/18

Right Out: -0.231+/-0.000 χ^2/NDF: 1808702536.0/18

Left In: 0.014+/-0.000 χ^2/NDF:6807457.6/17

Left: 0.014+/-0.000 χ^2/NDF: 34297733.1/36

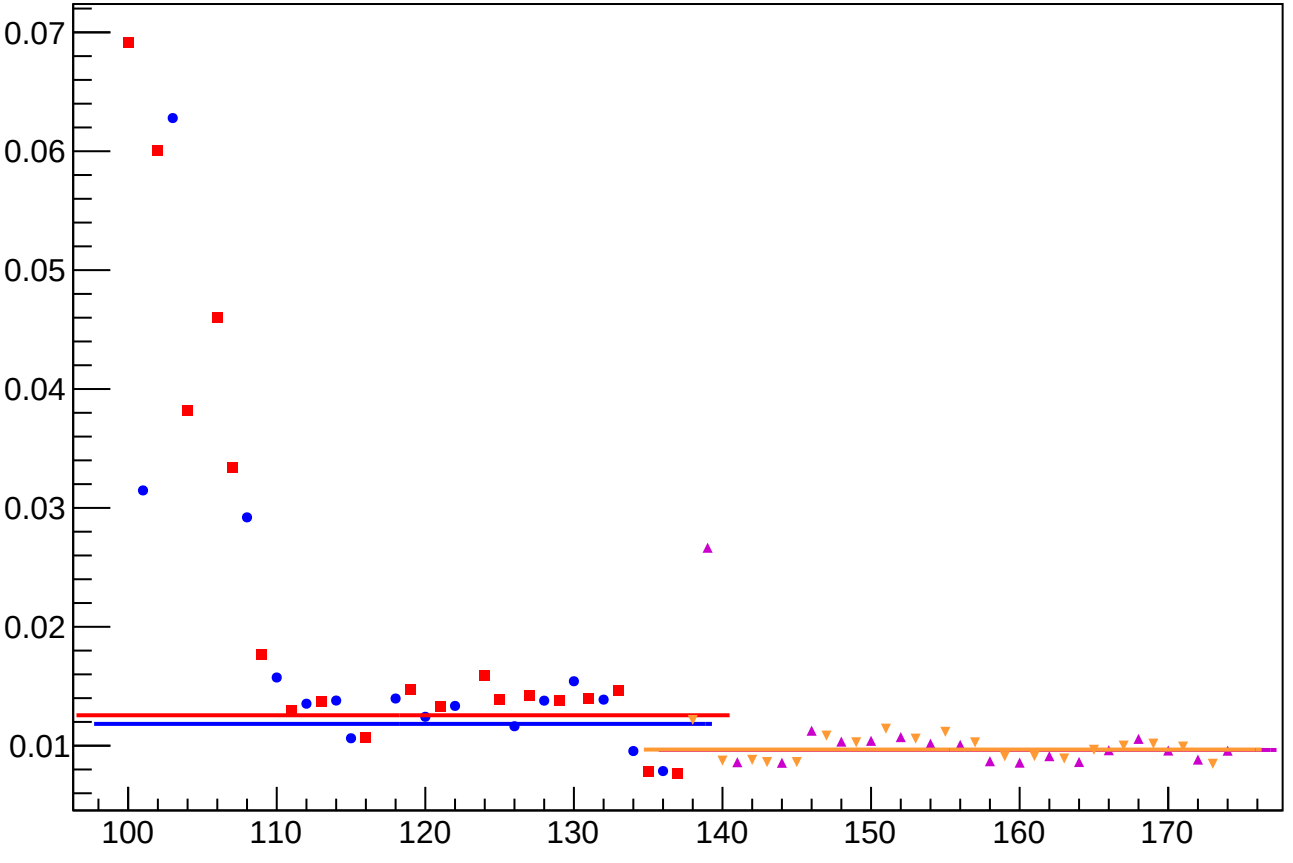
Right: -0.243+/-0.000 χ^2/NDF: 3842049612.8/34

In: -0.042+/-0.000 χ^2/NDF:4031122376.1/33

Out: -0.034+/-0.000 χ^2/NDF:3363372963.6/37

All: -0.038+/-0.000 χ^2/NDF: 7400613685.0/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1942550.6/15

Left Out: 0.010+/-0.000 χ^2/NDF:253928.9/18

Right Out: 0.013+/-0.000 χ^2/NDF: 2217419.3/18

Left In: 0.010+/-0.000 χ^2/NDF:868126.7/17

Left: 0.010+/-0.000 χ^2/NDF: 1122194.1/36

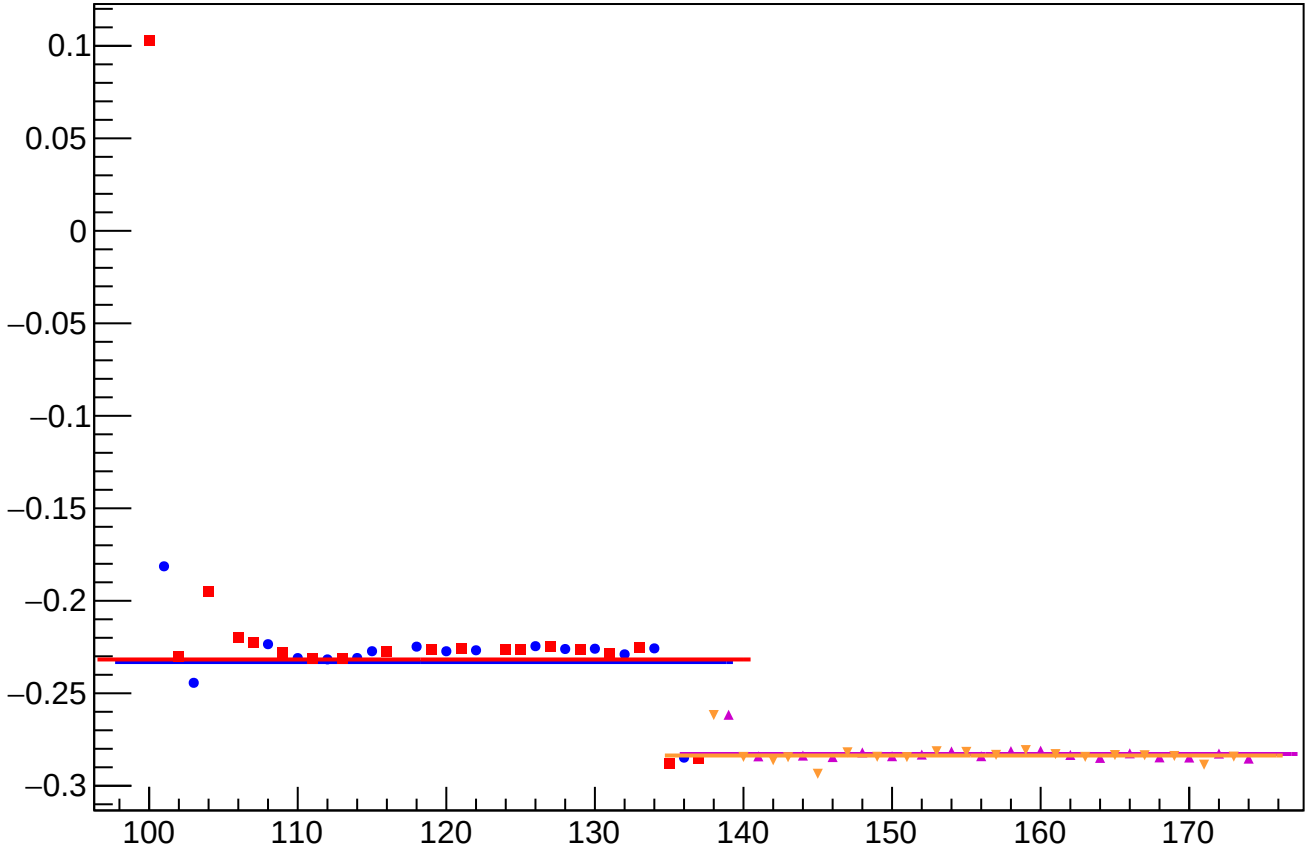
Right: 0.012+/-0.000 χ^2/NDF: 4177625.3/34

In: 0.010+/-0.000 χ^2/NDF:3079726.7/33

Out: 0.010+/-0.000 χ^2/NDF:2898906.8/37

All: 0.010+/-0.000 χ^2/NDF: 5981047.9/71

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 199059878.3/15

Left Out: -0.284+/-0.000 χ^2/NDF:15832891.7/18

Right Out: -0.232+/-0.000 χ^2/NDF: 287244778.7/18

Left In: -0.283+/-0.000 χ^2/NDF:6978695.1/17

Left: -0.283+/-0.000 χ^2/NDF: 22990166.6/36

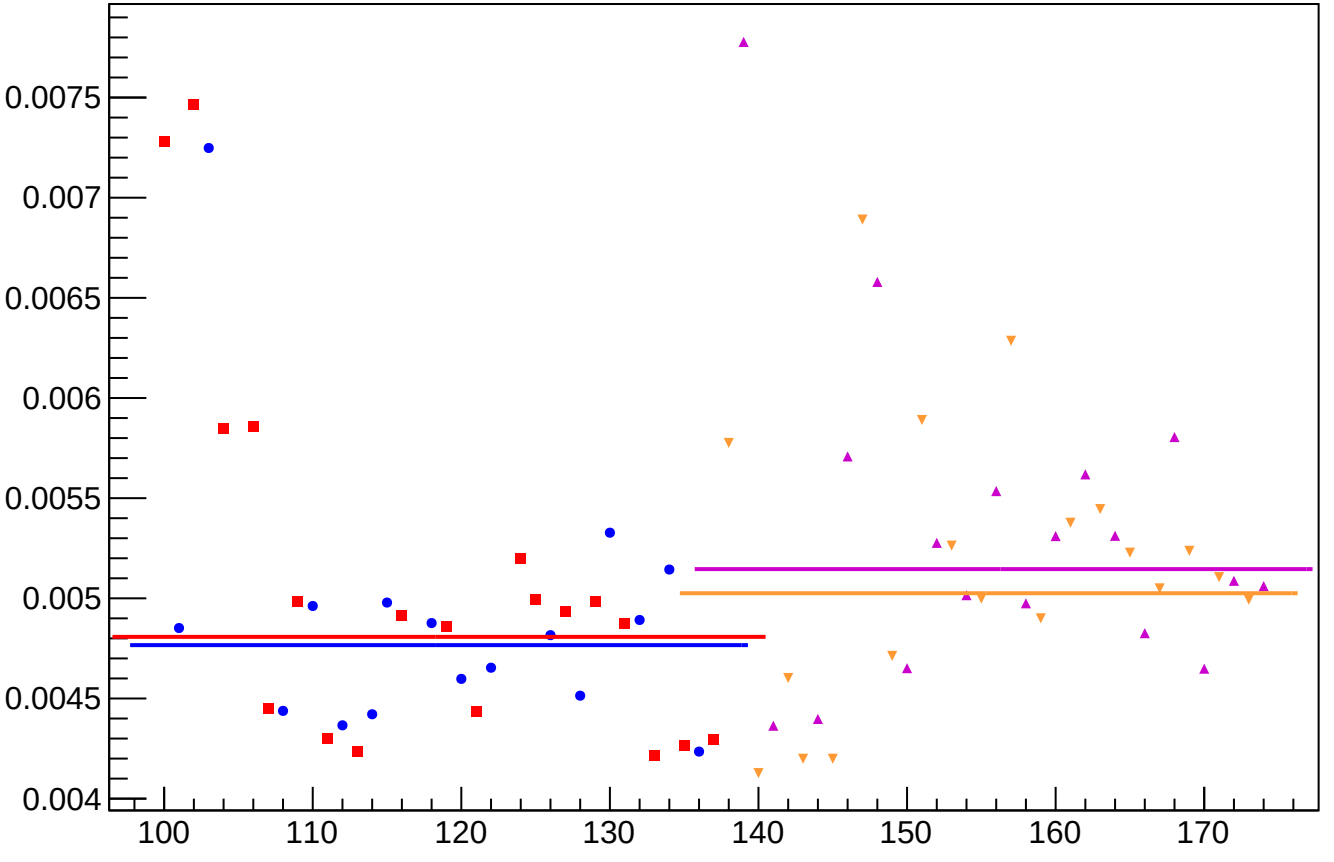
Right: -0.232+/-0.000 χ^2/NDF: 486580881.0/34

In: -0.265+/-0.000 χ^2/NDF:660534133.7/33

Out: -0.266+/-0.000 χ^2/NDF:815284385.7/37

All: -0.266+/-0.000 χ^2/NDF: 1475872159.8/7

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 191759.7/15

Left Out: 0.005+/-0.000 χ^2/NDF:456487.9/18

Right Out: 0.005+/-0.000 χ^2/NDF: 293738.0/18

Left In: 0.005+/-0.000 χ^2/NDF:463838.9/17

Left: 0.005+/-0.000 χ^2/NDF: 928110.1/36

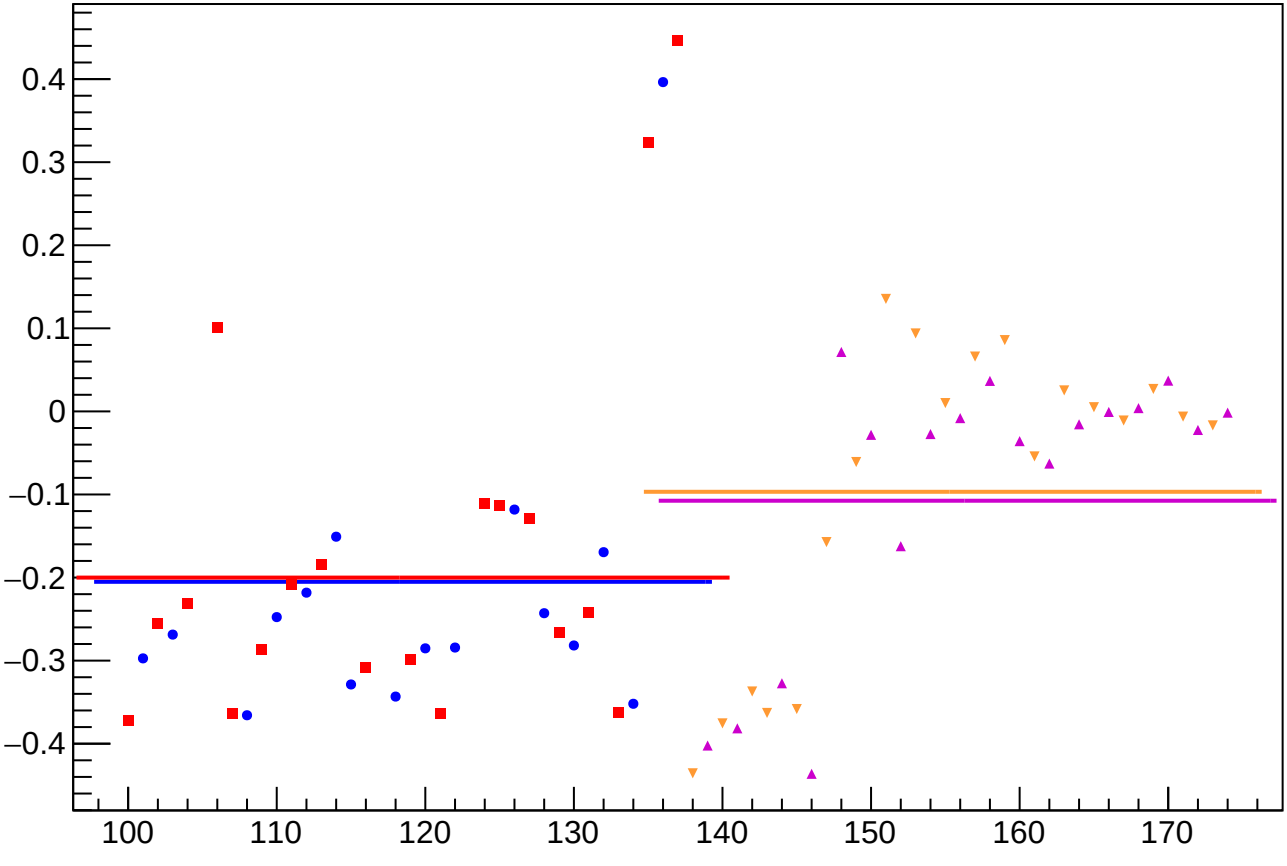
Right: 0.005+/-0.000 χ^2/NDF: 485985.9/34

In: 0.005+/-0.000 χ^2/NDF:708572.2/33

Out: 0.005+/-0.000 χ^2/NDF:768266.5/37

All: 0.005+/-0.000 χ^2/NDF: 1480036.5/71

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -0.205+/-0.000 χ^2/NDF: 6189271855.3/15

Left Out: -0.097+/-0.000 χ^2/NDF:16098715034.4/18

Right Out: -0.200+/-0.000 χ^2/NDF: 5249978819.5/18

Left In: -0.108+/-0.000 χ^2/NDF:12277878047.3/17

Left: -0.102+/-0.000 χ^2/NDF: 28403330425.7/36

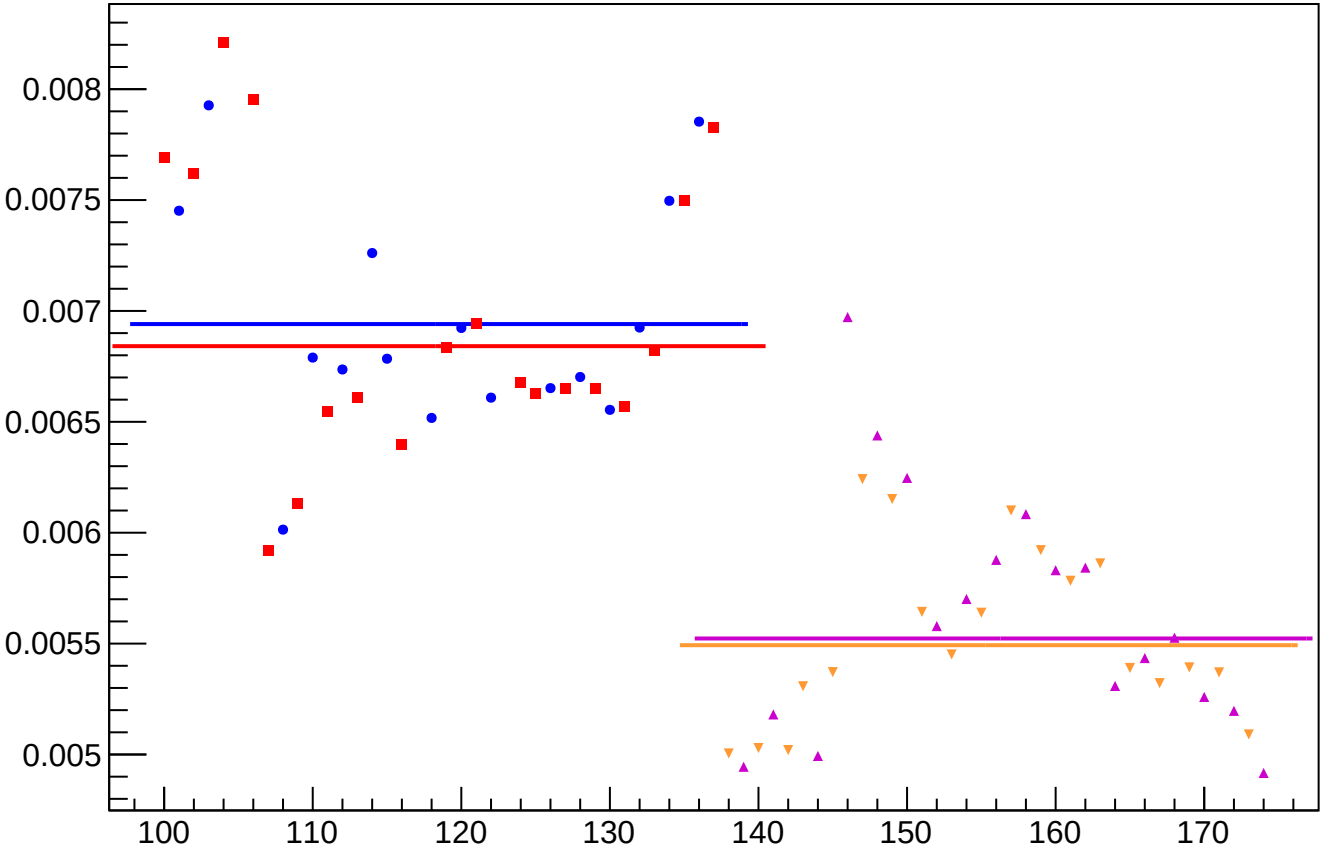
Right: -0.203+/-0.000 χ^2/NDF: 11441176033.3/34

In: -0.131+/-0.000 χ^2/NDF:19520359891.8/33

Out: -0.122+/-0.000 χ^2/NDF:22585845962.3/37

All: -0.127+/-0.000 χ^2/NDF: 42130230067.9/

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 85159.0/15

Left Out: 0.005+/-0.000 χ^2/NDF:125112.9/18

Right Out: 0.007+/-0.000 χ^2/NDF: 99819.4/18

Left In: 0.006+/-0.000 χ^2/NDF:229975.8/17

Left: 0.006+/-0.000 χ^2/NDF: 355511.2/36

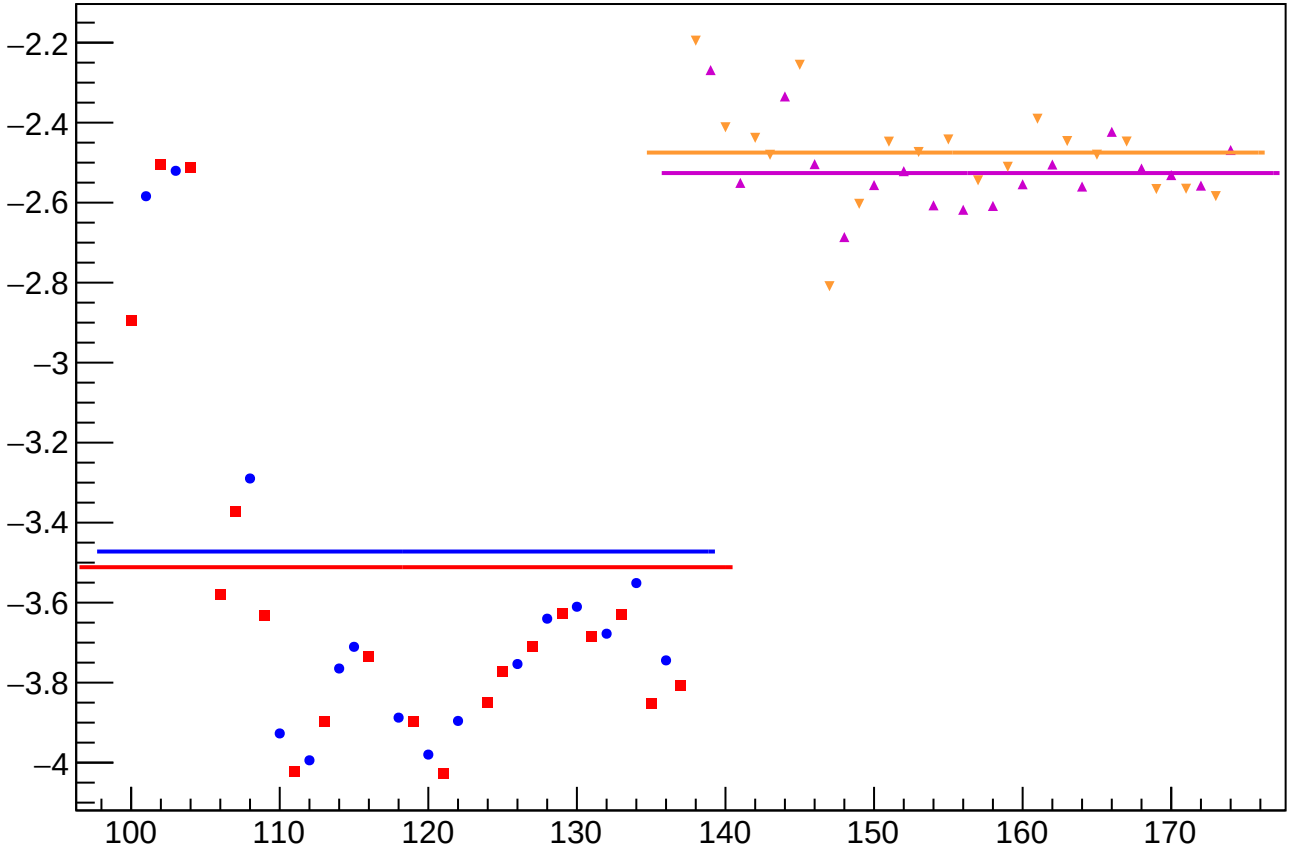
Right: 0.007+/-0.000 χ^2/NDF: 186467.2/34

In: 0.006+/-0.000 χ^2/NDF:759637.7/33

Out: 0.006+/-0.000 χ^2/NDF:646556.0/37

All: 0.006+/-0.000 χ^2/NDF: 1407189.6/71

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.472+/-0.000 χ^2/NDF: 29592353445.4/15

Left Out: -2.475+/-0.000 χ^2/NDF:2038918482.8/18

Right Out: -3.511+/-0.000 χ^2/NDF: 29716501733.6/18

Left In: -2.526+/-0.000 χ^2/NDF:1454133752.2/17

Left: -2.500+/-0.000 χ^2/NDF: 3744392287.7/36

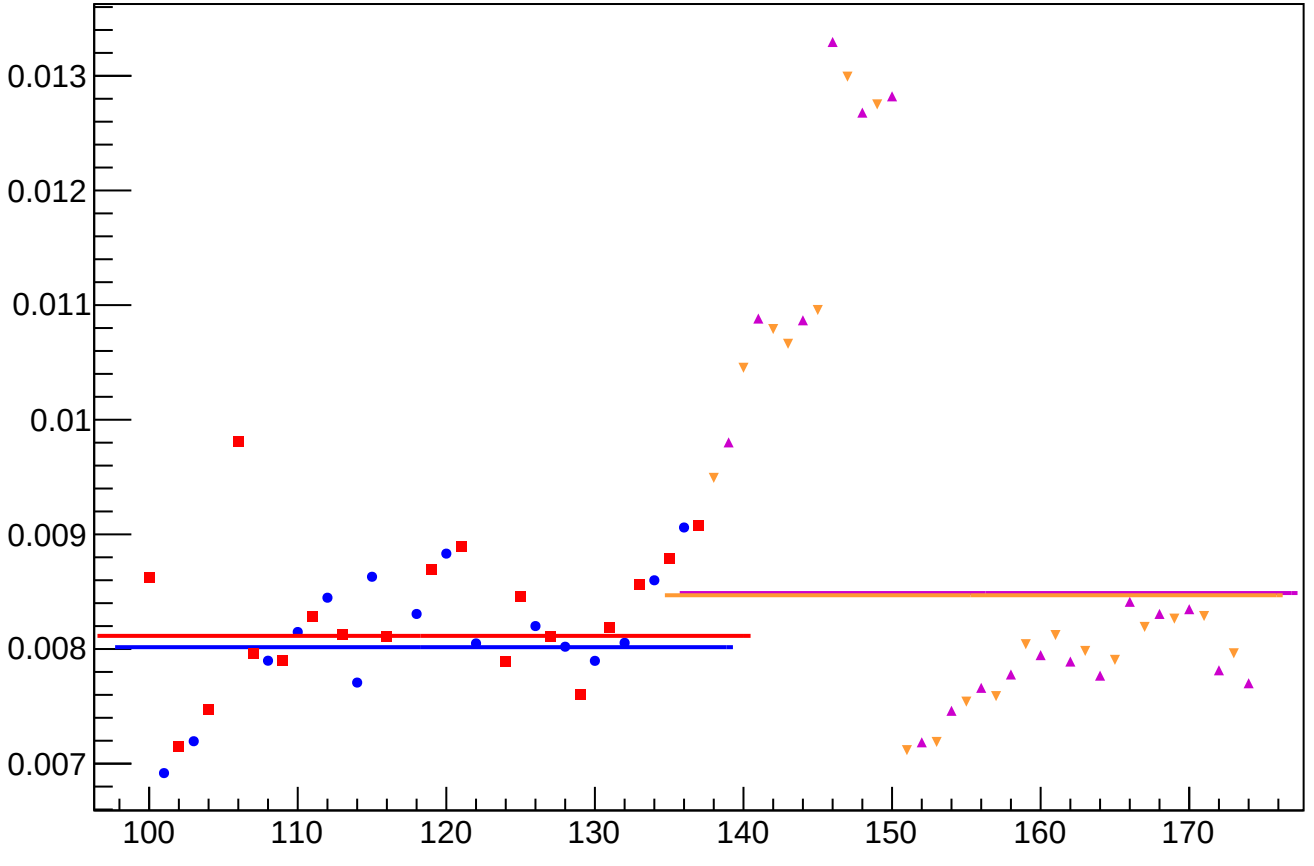
Right: -3.492+/-0.000 χ^2/NDF: 59392057159.0/34

In: -2.870+/-0.000 χ^2/NDF:92968831815.9/33

Out: -2.847+/-0.000 χ^2/NDF:106169731705.8/37

All: -2.859+/-0.000 χ^2/NDF: 199220493281.3

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 86232.2/15

Left Out: 0.008+/-0.000 χ^2/NDF:755585.0/18

Right Out: 0.008+/-0.000 χ^2/NDF: 71067.5/18

Left In: 0.008+/-0.000 χ^2/NDF:884477.1/17

Left: 0.008+/-0.000 χ^2/NDF: 1640133.3/36

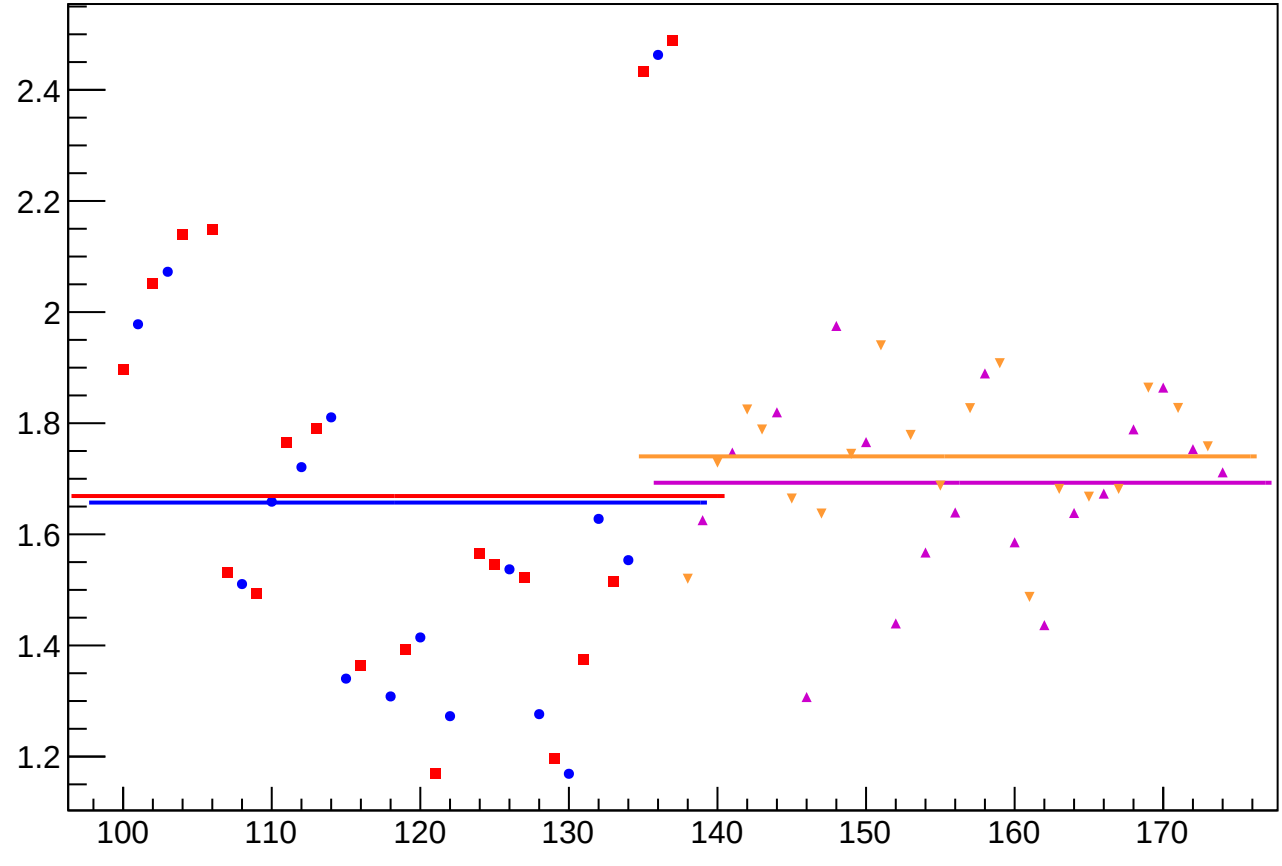
Right: 0.008+/-0.000 χ^2/NDF: 158353.0/34

In: 0.008+/-0.000 χ^2/NDF:1001549.8/33

Out: 0.008+/-0.000 χ^2/NDF:844039.6/37

All: 0.008+/-0.000 χ^2/NDF: 1845781.9/71

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.657+/-0.000 χ^2/NDF: 6666154117.3/15

Left Out: 1.740+/-0.000 χ^2/NDF:1515603537.6/18

Right Out: 1.669+/-0.000 χ^2/NDF: 6357589265.5/18

Left In: 1.693+/-0.000 χ^2/NDF:2560254246.5/17

Left: 1.717+/-0.000 χ^2/NDF: 4201533293.0/36

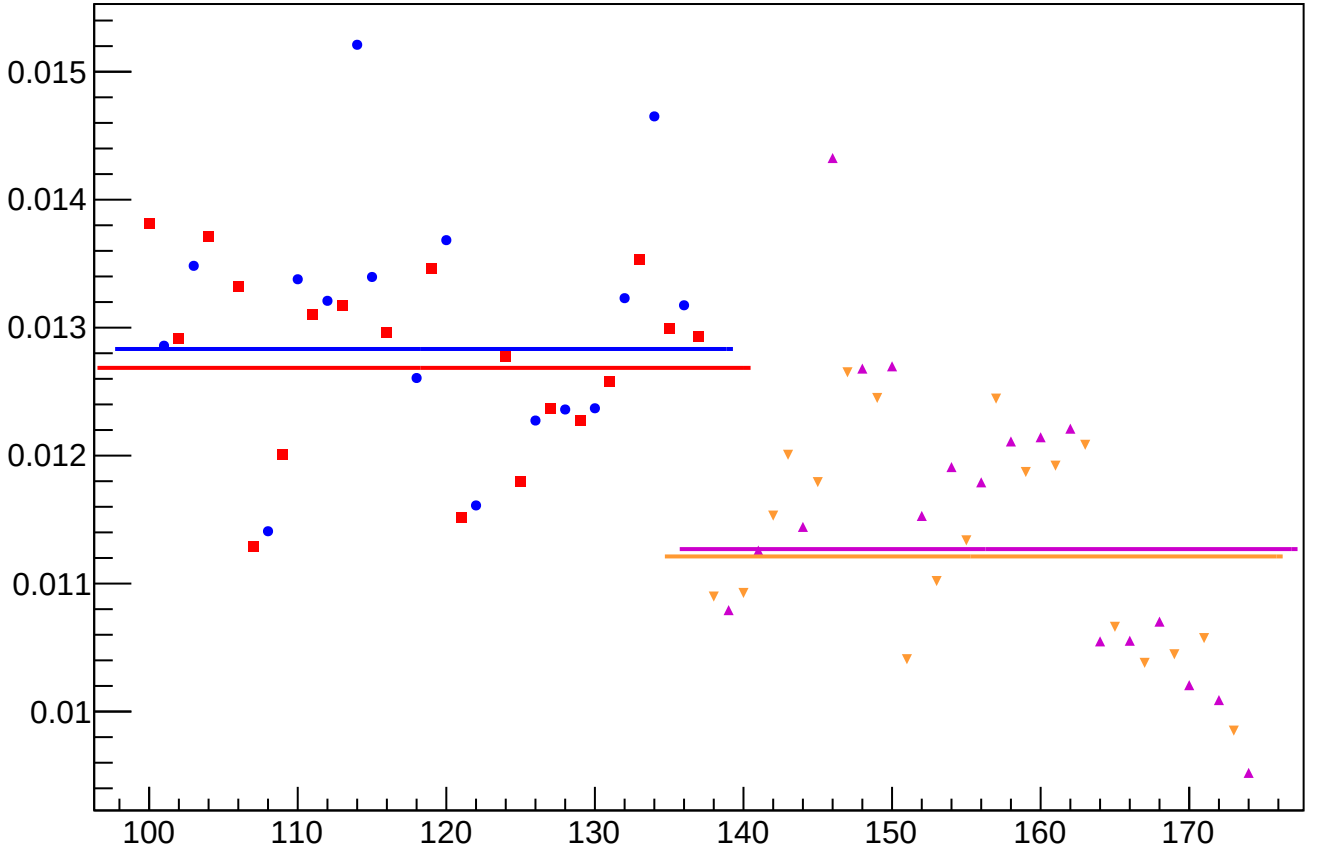
Right: 1.663+/-0.000 χ^2/NDF: 13026763419.8/34

In: 1.683+/-0.000 χ^2/NDF:9265475150.9/33

Out: 1.720+/-0.000 χ^2/NDF:8036808935.8/37

All: 1.702+/-0.000 χ^2/NDF: 17409587940.9/7

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 52516.5/15

Left Out: 0.011+/-0.000 χ^2/NDF:149088.7/18

Right Out: 0.013+/-0.000 χ^2/NDF: 43279.9/18

Left In: 0.011+/-0.000 χ^2/NDF:260140.2/17

Left: 0.011+/-0.000 χ^2/NDF: 409596.9/36

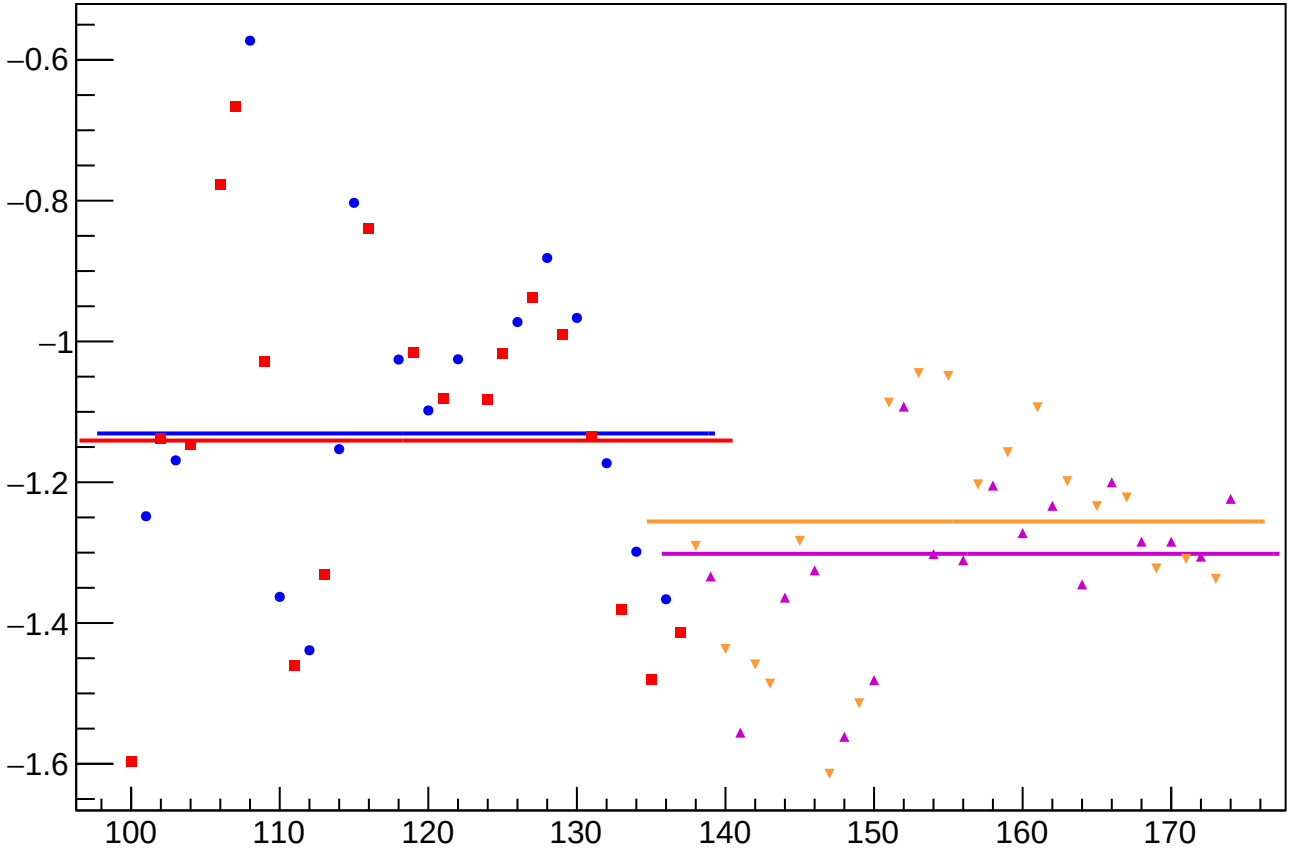
Right: 0.013+/-0.000 χ^2/NDF: 96748.3/34

In: 0.012+/-0.000 χ^2/NDF:462849.7/33

Out: 0.012+/-0.000 χ^2/NDF:331829.4/37

All: 0.012+/-0.000 χ^2/NDF: 795579.2/71

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -1.131+/-0.000 χ^2/NDF: 3790121991.7/15

Left Out: -1.256+/-0.000 χ^2/NDF:4608276297.7/18

Right Out: -1.141+/-0.000 χ^2/NDF: 3544012262.4/18

Left In: -1.302+/-0.000 χ^2/NDF:2399861086.9/17

Left: -1.278+/-0.000 χ^2/NDF: 7227107714.4/36

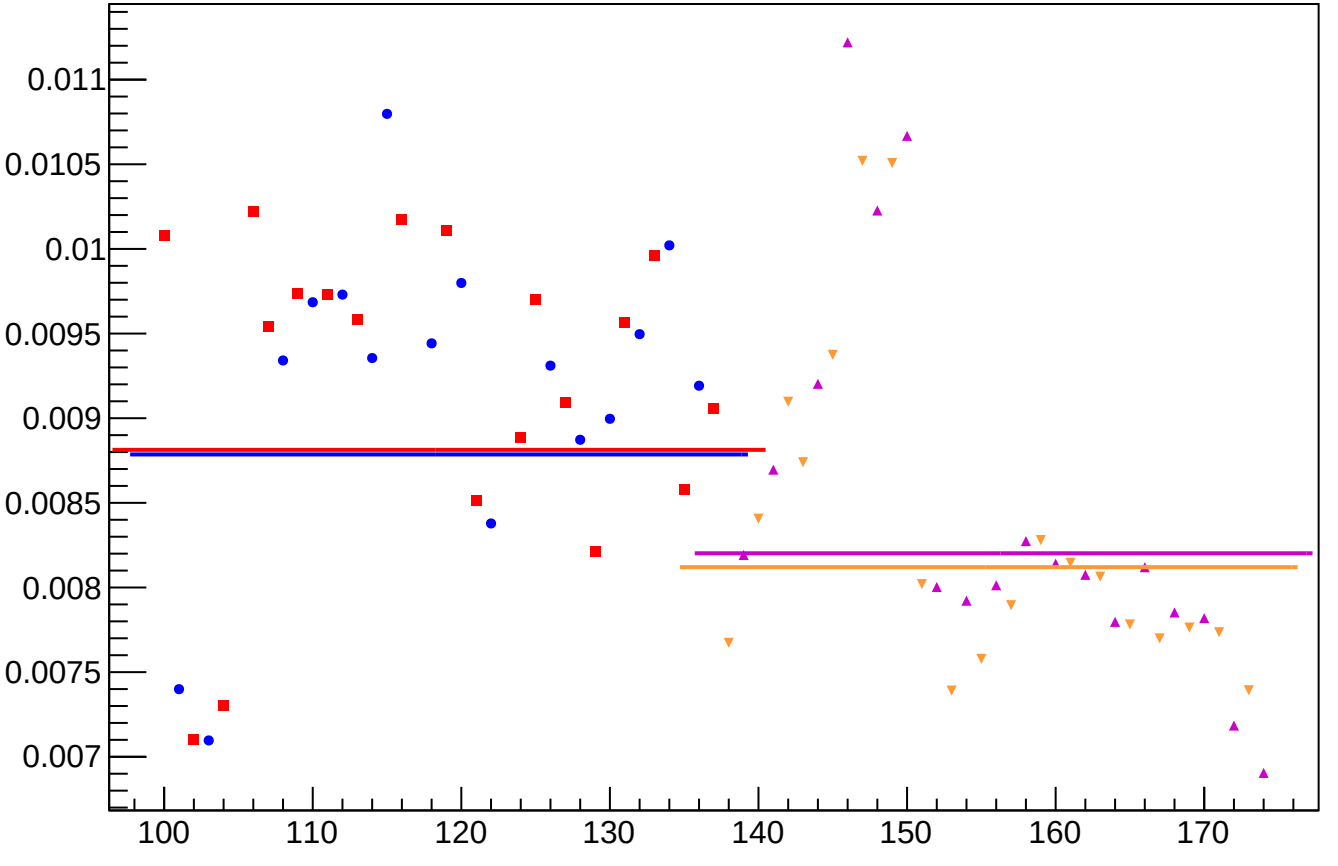
Right: -1.136+/-0.000 χ^2/NDF: 7338628665.5/34

In: -1.250+/-0.000 χ^2/NDF:7999318363.9/33

Out: -1.221+/-0.000 χ^2/NDF:8981518545.2/37

All: -1.236+/-0.000 χ^2/NDF: 17101563728.2/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 173477.6/15

Left Out: 0.008+/-0.000 χ^2/NDF:246930.3/18

Right Out: 0.009+/-0.000 χ^2/NDF: 204443.3/18

Left In: 0.008+/-0.000 χ^2/NDF:369649.8/17

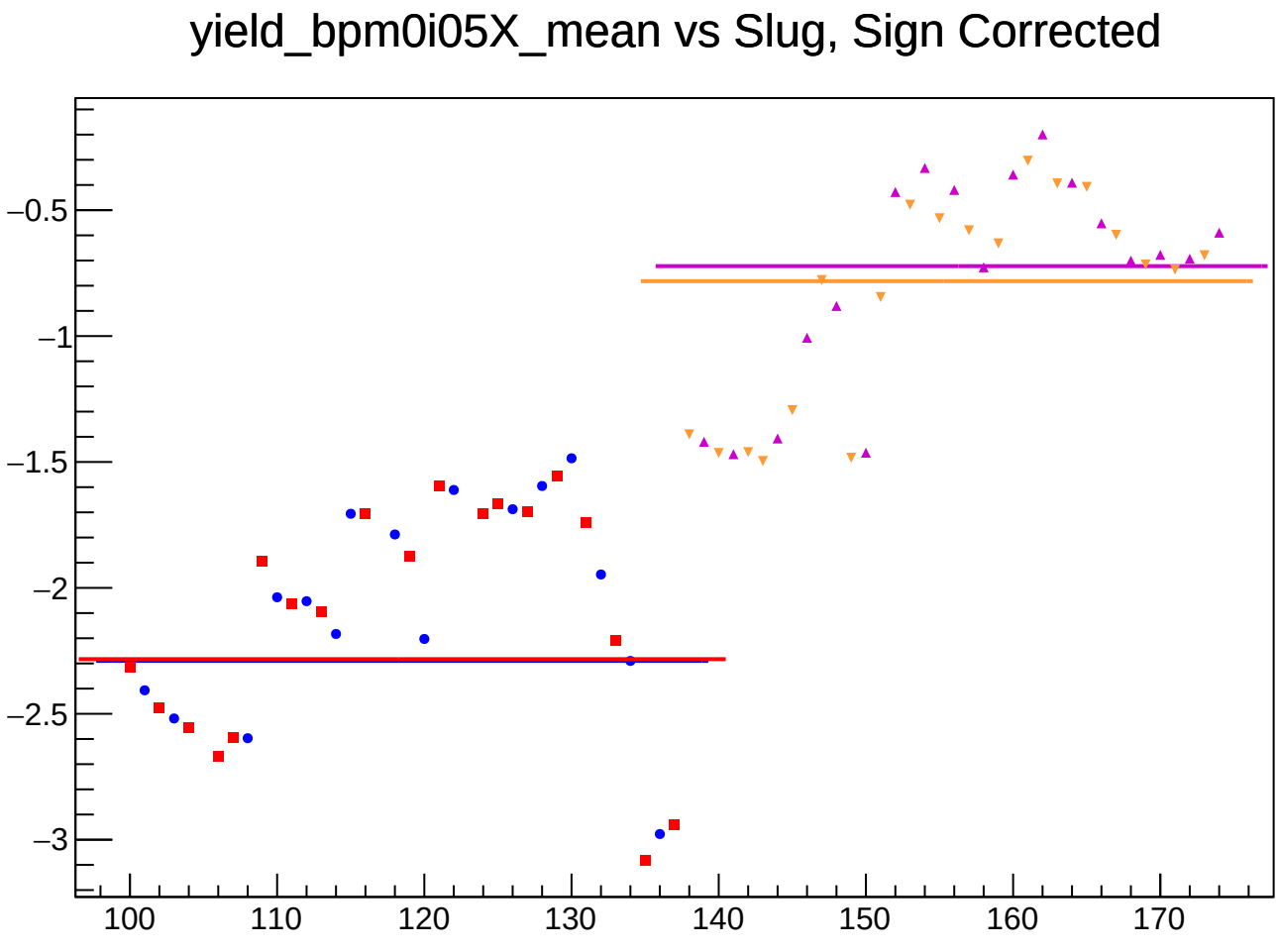
Left: 0.008+/-0.000 χ^2/NDF: 617976.0/36

Right: 0.009+/-0.000 χ^2/NDF: 377987.0/34

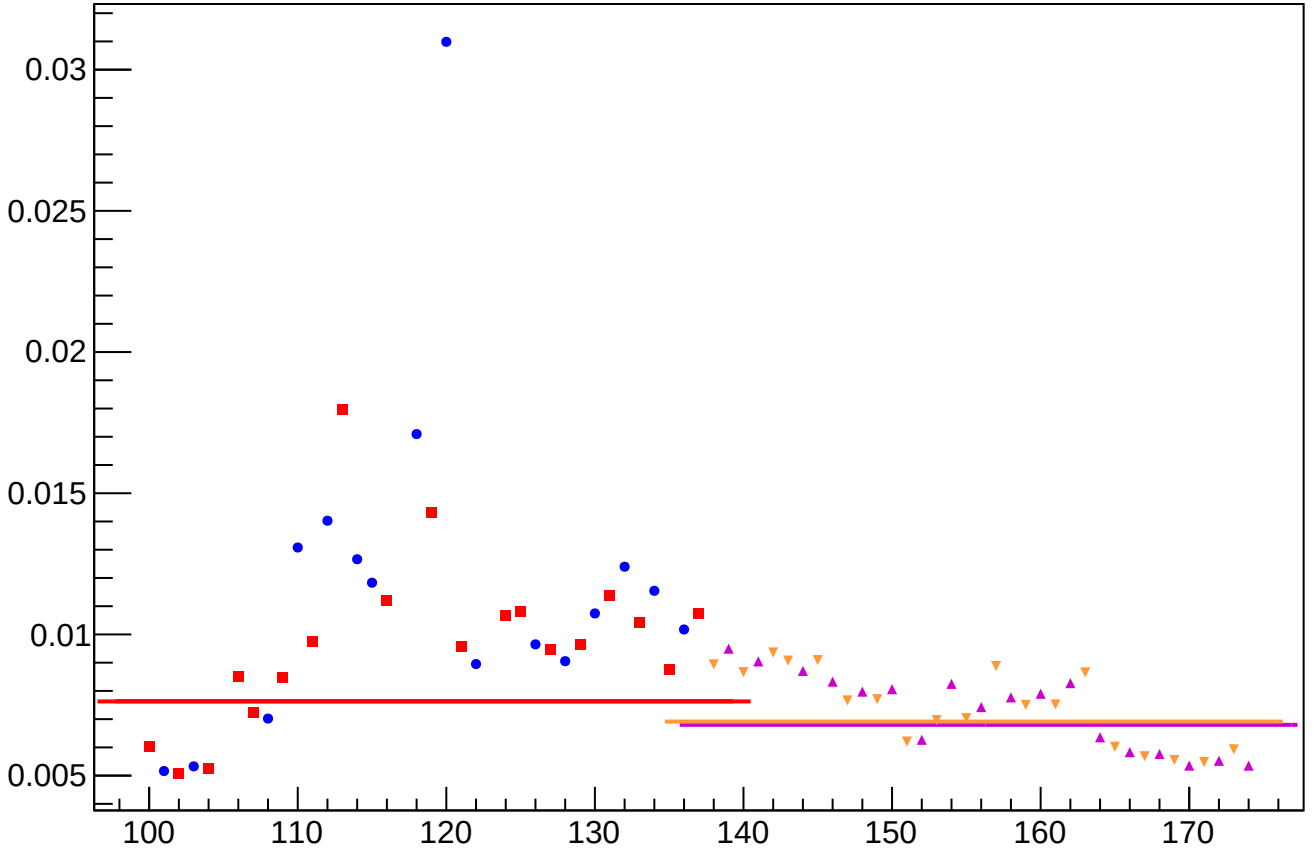
In: 0.008+/-0.000 χ^2/NDF:585310.1/33

Out: 0.008+/-0.000 χ^2/NDF:511603.4/37

All: 0.008+/-0.000 χ^2/NDF: 1097712.3/71


yield_bpm0i05X_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
−3
100
110
120
130
140
150
160
170
Right In: -2.290+/-0.000 χ²/NDF: 15222817978.4/15
Left Out: -0.782+/-0.000 χ²/NDF:32877372320.5/18
Right Out: -2.283+/-0.000 χ²/NDF: 17032219519.1/18
Left In: -0.722+/-0.000 χ²/NDF:33314774522.6/17
Left: -0.752+/-0.000 χ²/NDF: 66671766095.1/36
Right: -2.286+/-0.000 χ²/NDF: 32257076383.6/34
In: -1.101+/-0.000 χ²/NDF:211109338828.6/33
Out: -1.177+/-0.000 χ²/NDF:208050998401.6/37
All: -1.139+/-0.000 χ²/NDF: 420210660221.2

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:867851.2/18

Right Out: 0.008+/-0.000 χ^2/NDF: 1317740.1/18

Left In: 0.007+/-0.000 χ^2/NDF:983596.1/17

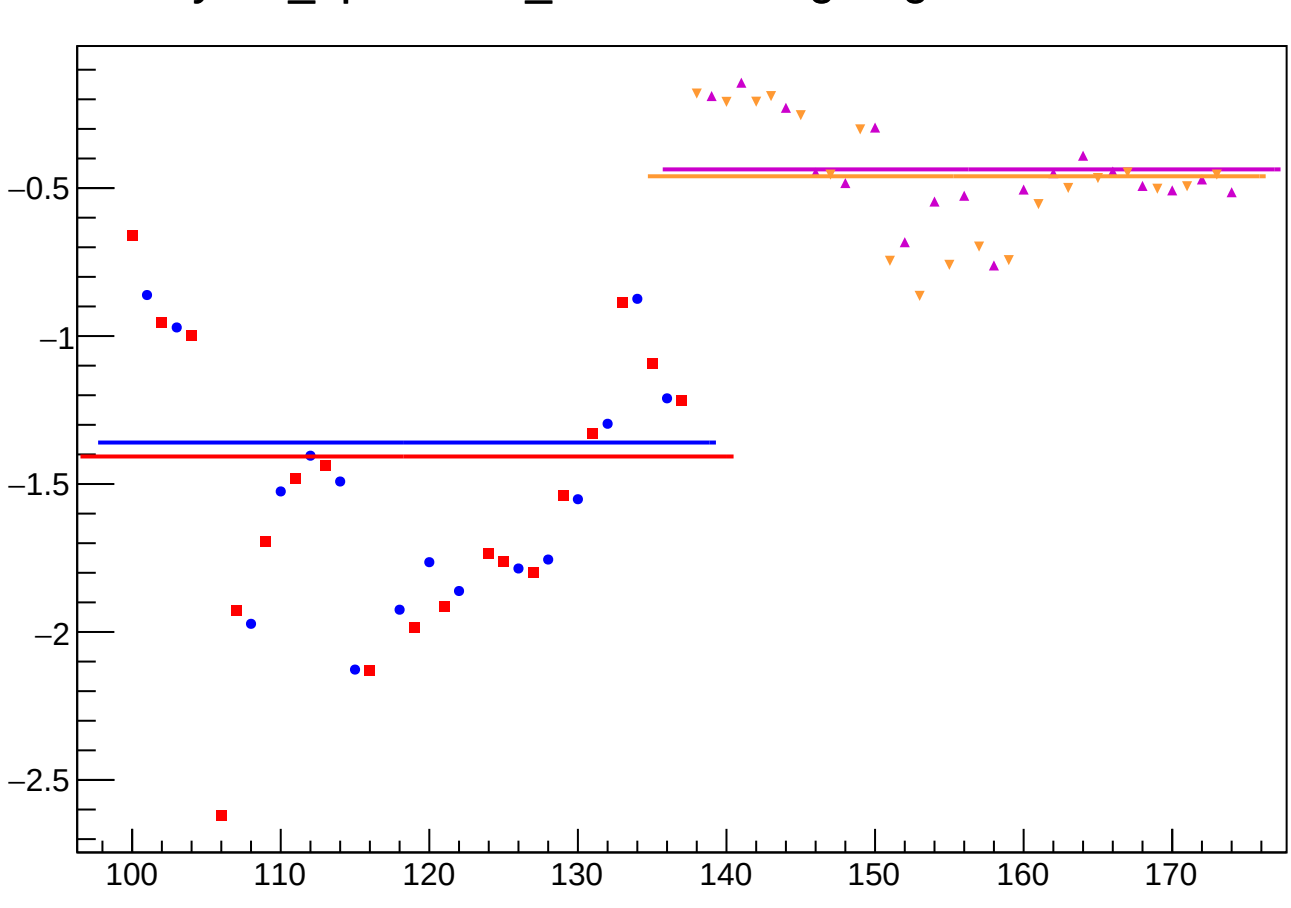
Left: 0.007+/-0.000 χ^2/NDF: 1855035.7/36

Right: 0.008+/-0.000 χ^2/NDF: 3028539.8/34

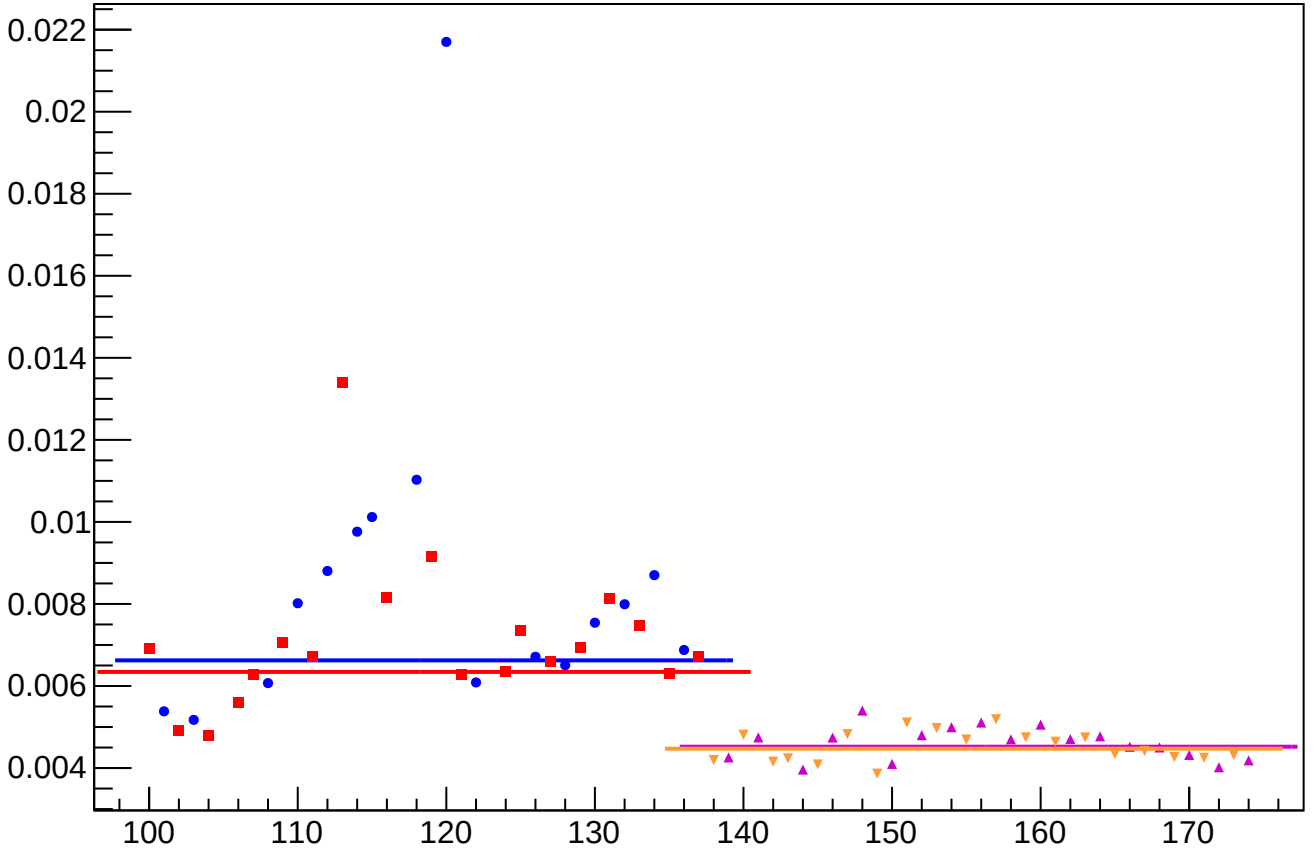
In: 0.007+/-0.000 χ^2/NDF:2786593.0/33

Out: 0.007+/-0.000 χ^2/NDF:2257172.9/37

All: 0.007+/-0.000 χ^2/NDF: 5047502.4/71


yield_bpm0i05Y_mean vs Slug, Sign Corrected
−0.5
−1
−1.5
−2
−2.5
100
110
120
130
140
150
160
170
Right In: -1.360+/-0.000 χ²/NDF: 21491965614.5/15
Left Out: -0.460+/-0.000 χ²/NDF:28039871994.8/18
Right Out: -1.407+/-0.000 χ²/NDF: 29835610413.0/18
Left In: -0.437+/-0.000 χ²/NDF:16421129668.6/17
Left: -0.449+/-0.000 χ²/NDF: 44641517416.0/36
Right: -1.385+/-0.000 χ²/NDF: 51484688313.9/34
In: -0.591+/-0.000 χ²/NDF:131475341729.7/33
Out: -0.634+/-0.000 χ²/NDF:169220362624.8/37
All: -0.613+/-0.000 χ²/NDF: 301422390129.

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 693783.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:169663.4/18

Right Out: 0.006+/-0.000 χ^2/NDF: 529170.9/18

Left In: 0.005+/-0.000 χ^2/NDF:197766.5/17

Left: 0.004+/-0.000 χ^2/NDF: 369002.0/36

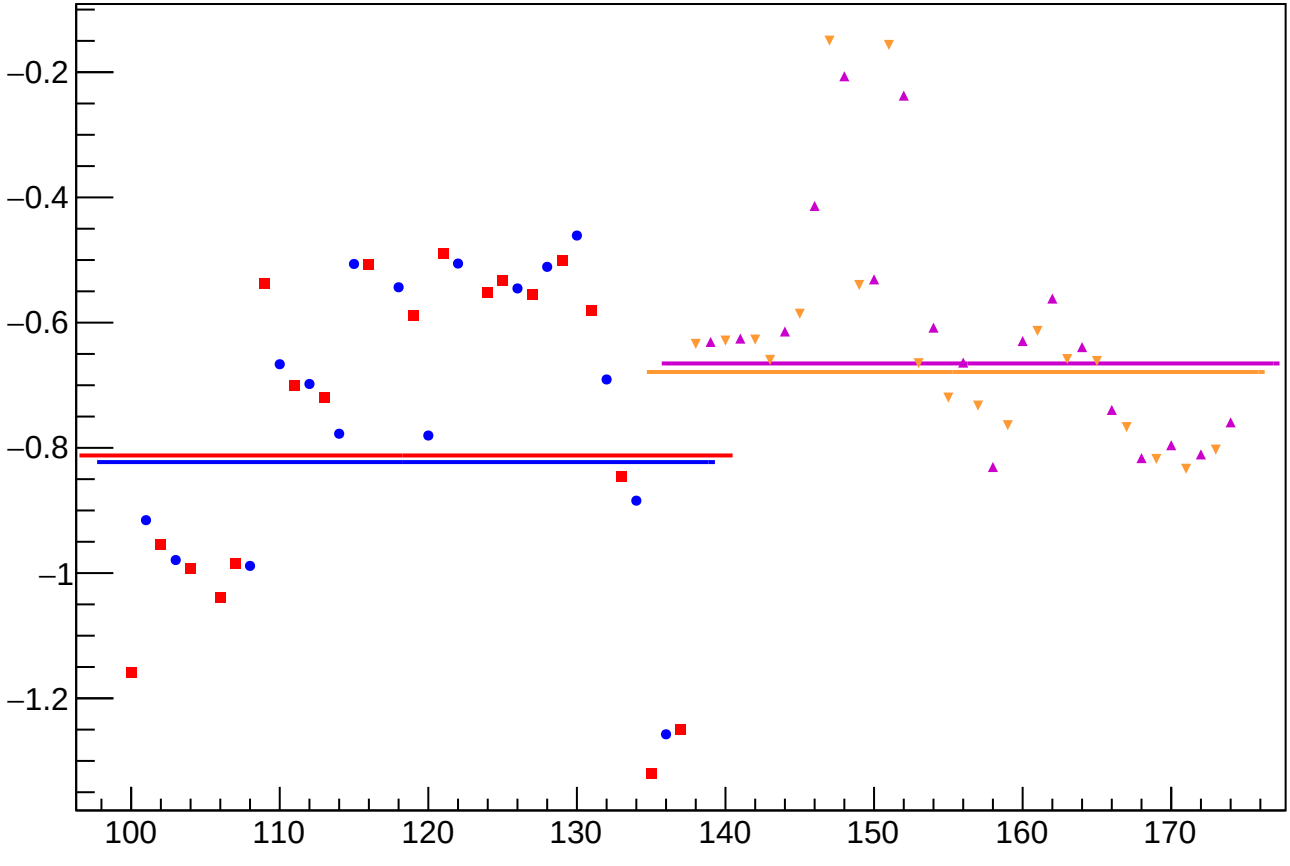
Right: 0.006+/-0.000 χ^2/NDF: 1234142.9/34

In: 0.005+/-0.000 χ^2/NDF:1864632.3/33

Out: 0.005+/-0.000 χ^2/NDF:1569197.9/37

All: 0.005+/-0.000 χ^2/NDF: 3436514.2/71

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -0.823+/-0.000 χ^2/NDF: 12226599844.5/15

Left Out: -0.679+/-0.000 χ^2/NDF:21973232565.0/18

Right Out: -0.812+/-0.000 χ^2/NDF: 14825441332.4/18

Left In: -0.665+/-0.000 χ^2/NDF:22379226702.0/17

Left: -0.672+/-0.000 χ^2/NDF: 44420376281.1/36

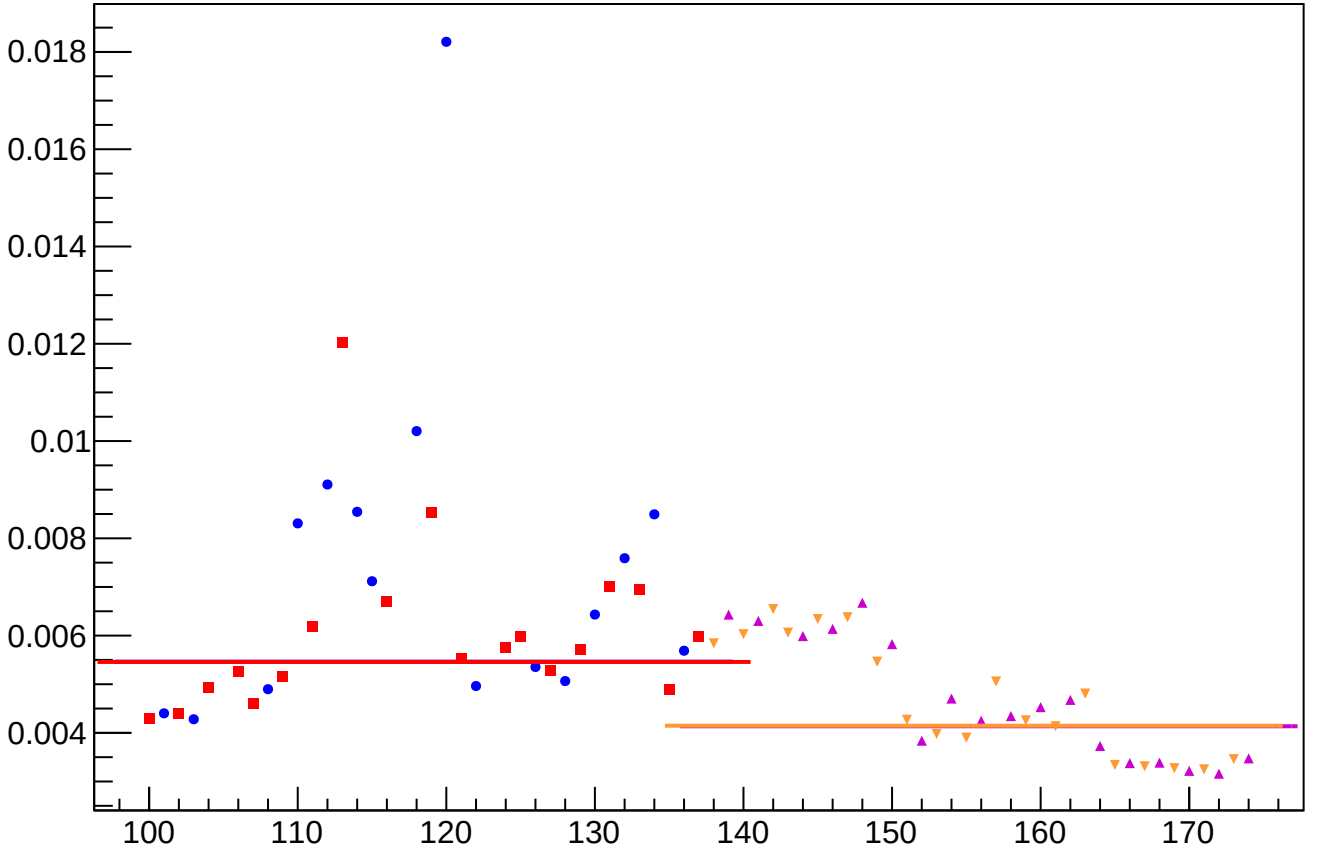
Right: -0.817+/-0.000 χ^2/NDF: 27062819602.4/34

In: -0.697+/-0.000 χ^2/NDF:38267578755.2/33

Out: -0.708+/-0.000 χ^2/NDF:39610965263.2/37

All: -0.702+/-0.000 χ^2/NDF: 77931891277.8/

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 961483.6/15

Left Out: 0.004+/-0.000 χ^2/NDF:1472245.1/18

Right Out: 0.005+/-0.000 χ^2/NDF: 507792.7/18

Left In: 0.004+/-0.000 χ^2/NDF:1602733.5/17

Left: 0.004+/-0.000 χ^2/NDF: 3075069.8/36

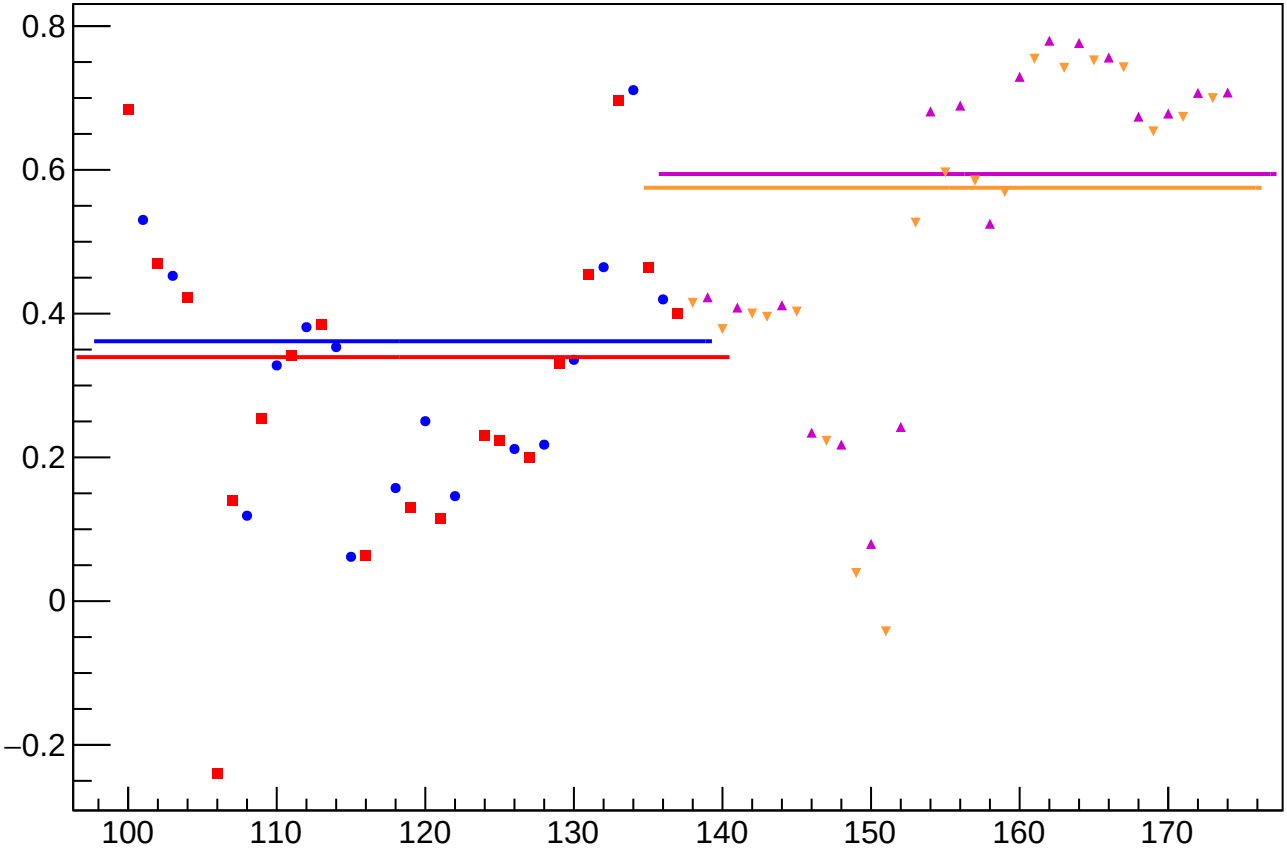
Right: 0.005+/-0.000 χ^2/NDF: 1469281.0/34

In: 0.004+/-0.000 χ^2/NDF:3084126.9/33

Out: 0.004+/-0.000 χ^2/NDF:2523882.4/37

All: 0.004+/-0.000 χ^2/NDF: 5608705.7/71

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 0.362+/-0.000 χ^2/NDF: 8775952187.9/15

Left Out: 0.575+/-0.000 χ^2/NDF:40407270119.5/18

Right Out: 0.339+/-0.000 χ^2/NDF: 12071802789.9/18

Left In: 0.594+/-0.000 χ^2/NDF:36356270717.0/17

Left: 0.585+/-0.000 χ^2/NDF: 76942596002.3/36

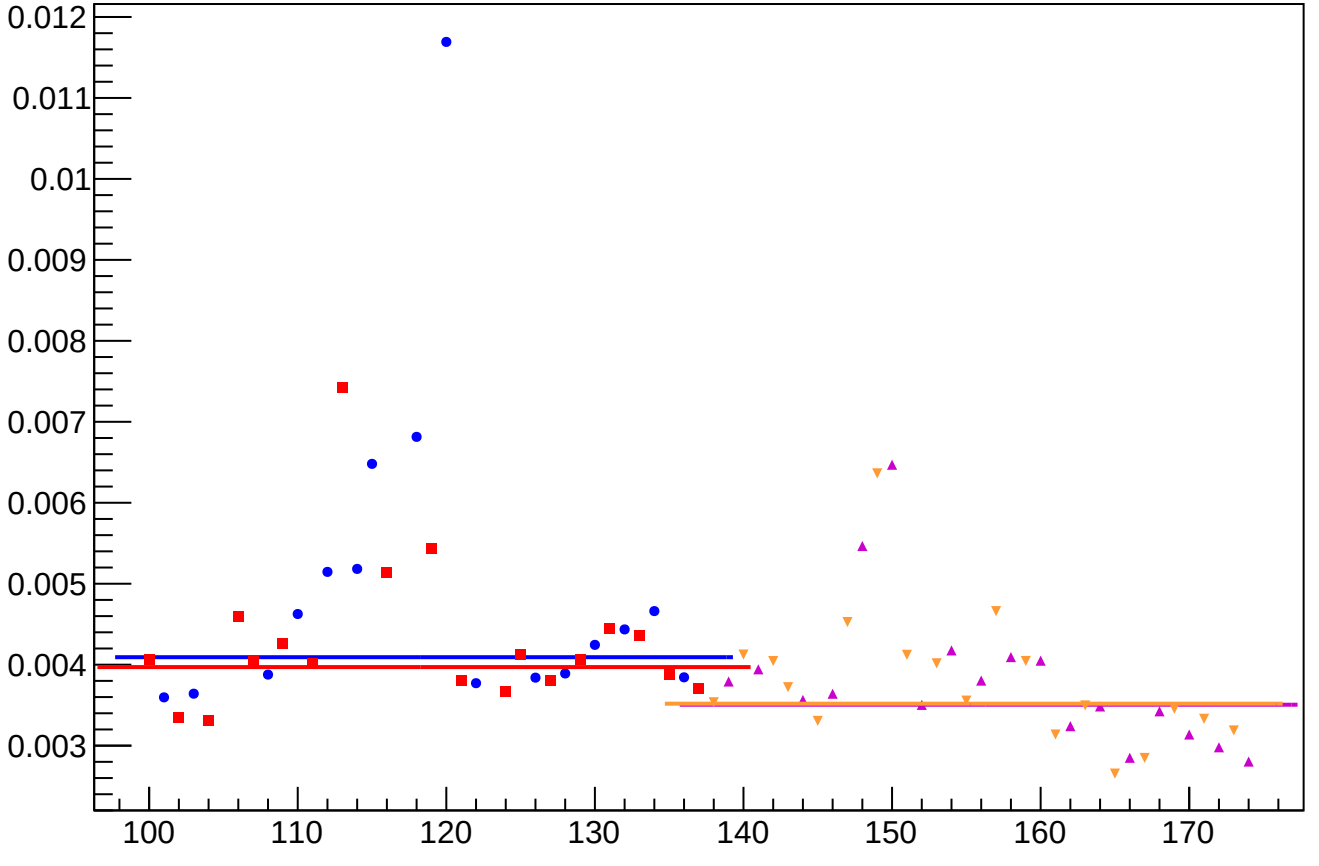
Right: 0.350+/-0.000 χ^2/NDF: 20941665635.5/34

In: 0.531+/-0.000 χ^2/NDF:59553347538.8/33

Out: 0.506+/-0.000 χ^2/NDF:68417227372.3/37

All: 0.518+/-0.000 χ^2/NDF: 128403797784.5

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 491748.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:764661.2/18

Right Out: 0.004+/-0.000 χ^2/NDF: 313701.1/18

Left In: 0.004+/-0.000 χ^2/NDF:820757.0/17

Left: 0.004+/-0.000 χ^2/NDF: 1585582.0/36

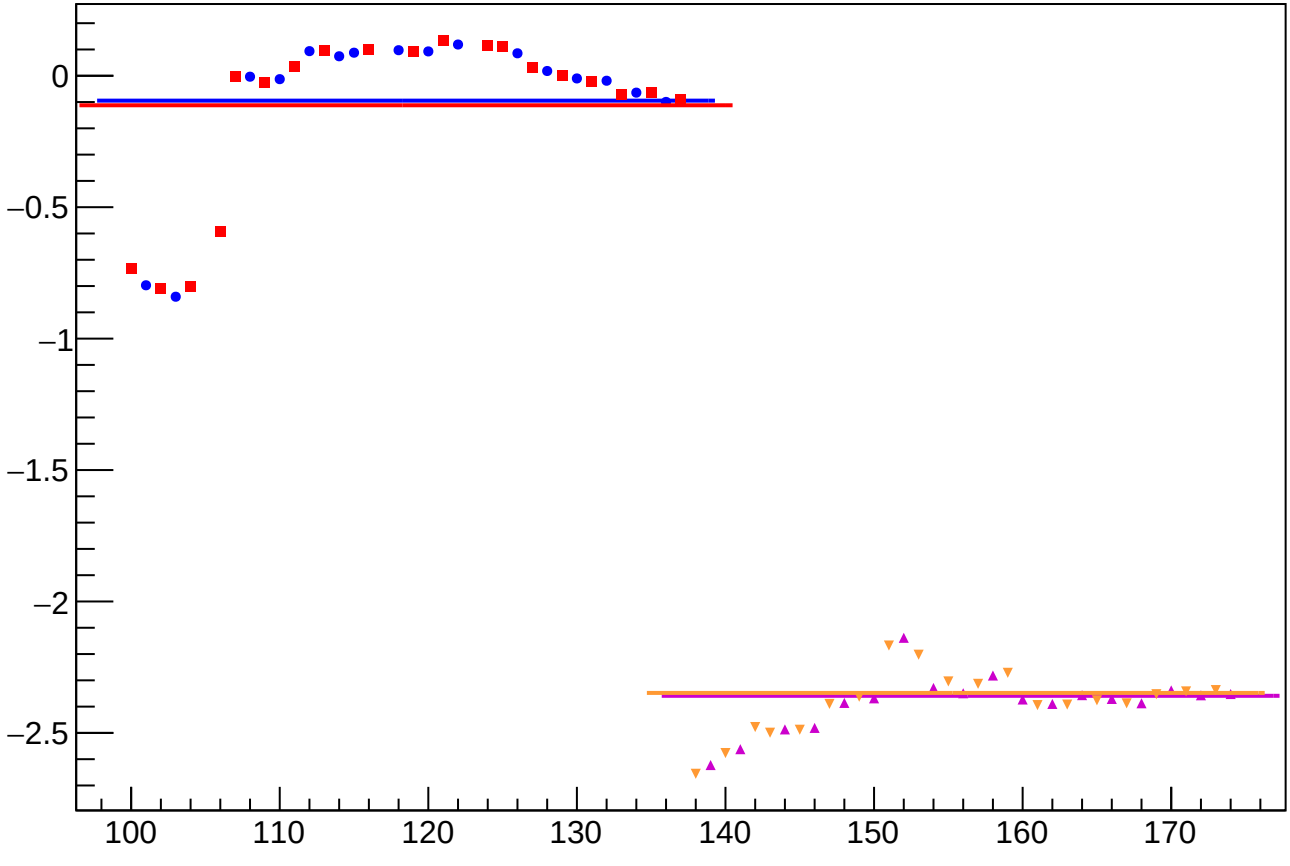
Right: 0.004+/-0.000 χ^2/NDF: 811192.6/34

In: 0.004+/-0.000 χ^2/NDF:1496128.3/33

Out: 0.004+/-0.000 χ^2/NDF:1195666.4/37

All: 0.004+/-0.000 χ^2/NDF: 2692048.8/71

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 5489721985.1/15

Left Out: -2.348+/-0.000 χ^2/NDF:1674030822.0/18

Right Out: -0.112+/-0.000 χ^2/NDF: 6190163375.6/18

Left In: -2.359+/-0.000 χ^2/NDF:1297902757.8/17

Left: -2.353+/-0.000 χ^2/NDF: 2981506831.7/36

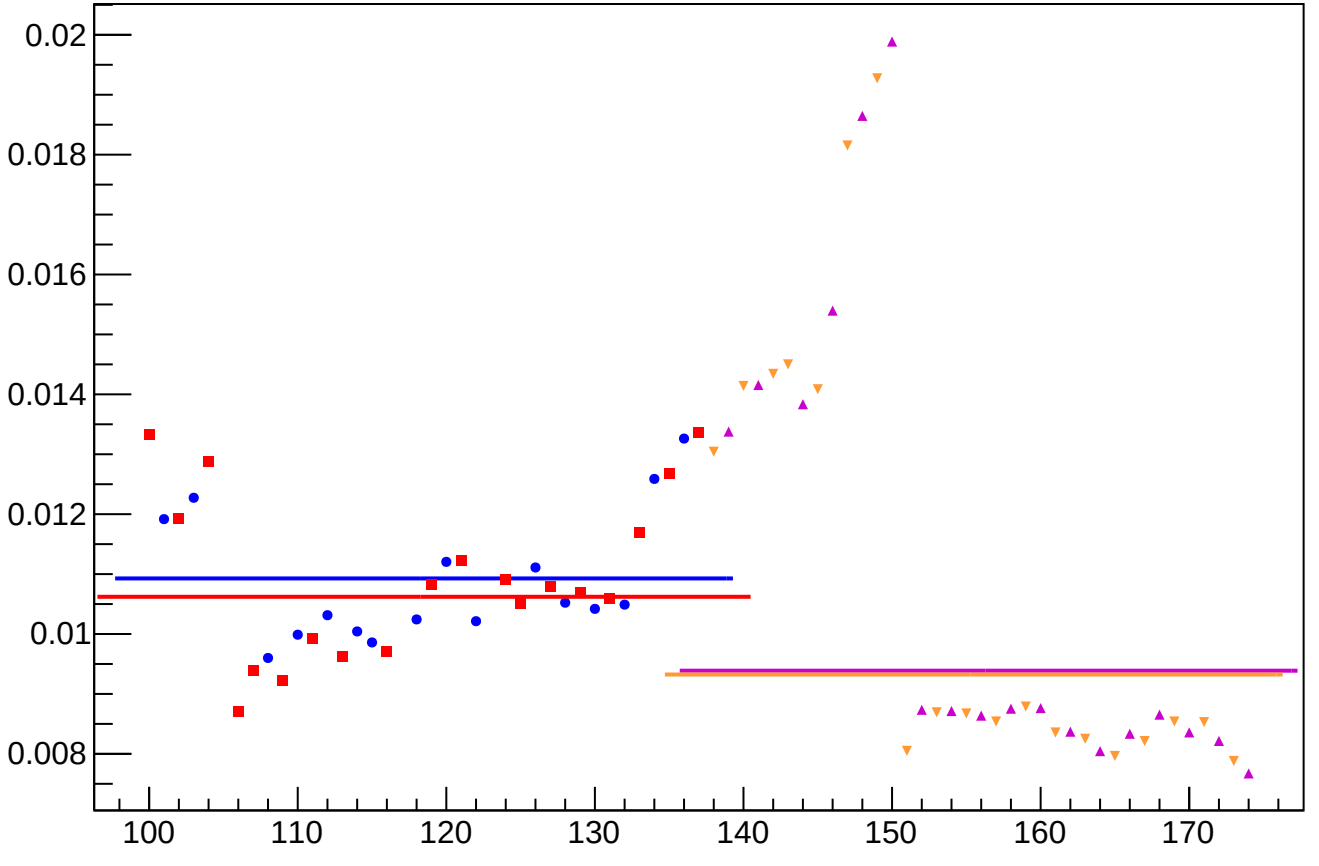
Right: -0.104+/-0.000 χ^2/NDF: 11689577002.2/34

In: -1.734+/-0.000 χ^2/NDF:228146748092.1/33

Out: -1.700+/-0.000 χ^2/NDF:239831493306.2/37

All: -1.717+/-0.000 χ^2/NDF: 468101825205.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 136478.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:1920324.5/18

Right Out: 0.011+/-0.000 χ^2/NDF: 190526.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1994897.3/17

Left: 0.009+/-0.000 χ^2/NDF: 3915868.1/36

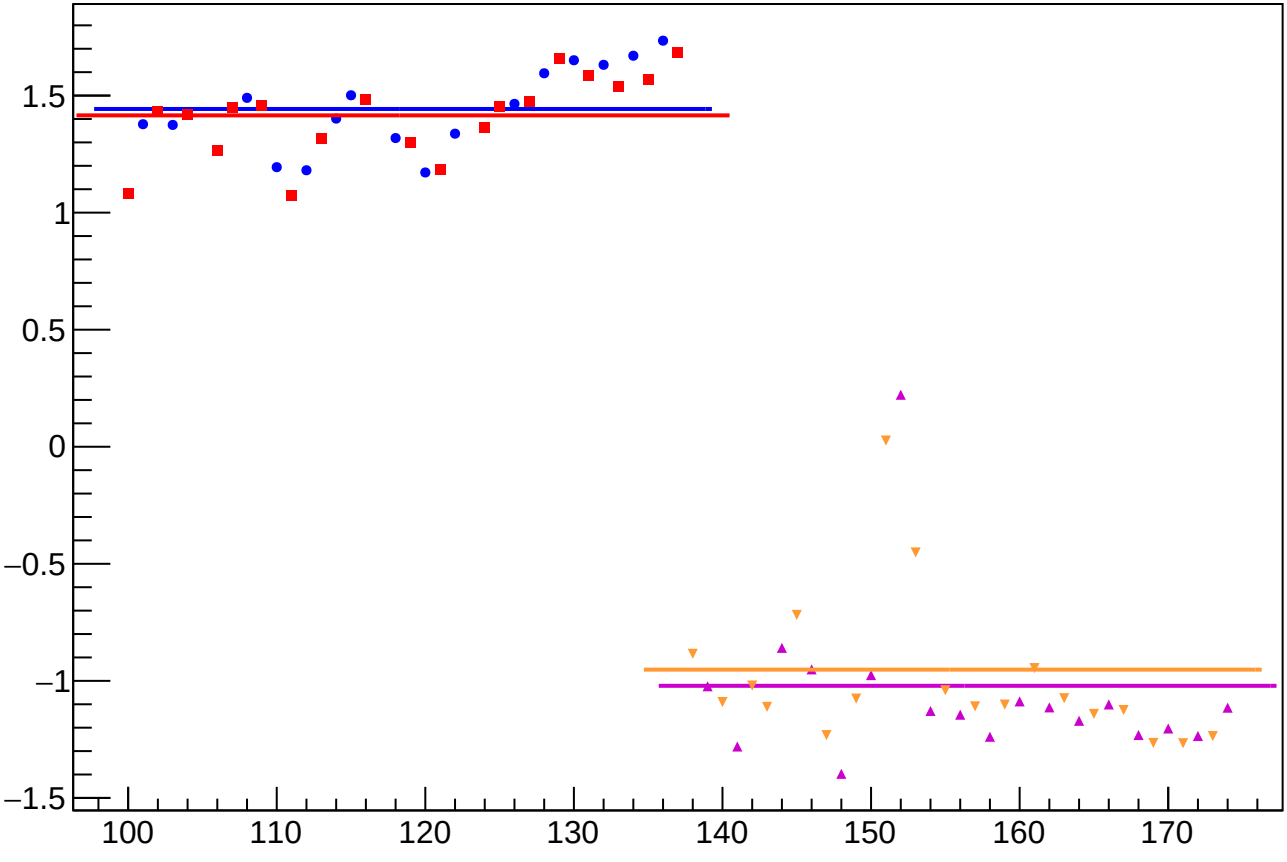
Right: 0.011+/-0.000 χ^2/NDF: 332847.6/34

In: 0.010+/-0.000 χ^2/NDF:2336048.6/33

Out: 0.010+/-0.000 χ^2/NDF:2267081.4/37

All: 0.010+/-0.000 χ^2/NDF: 4605955.4/71

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.443+/-0.000 χ^2/NDF: 3739724691.1/15

Left Out: -0.952+/-0.000 χ^2/NDF:35916574562.9/18

Right Out: 1.415+/-0.000 χ^2/NDF: 2803466123.0/18

Left In: -1.021+/-0.000 χ^2/NDF:42917141454.3/17

Left: -0.987+/-0.000 χ^2/NDF: 79466257459.2/36

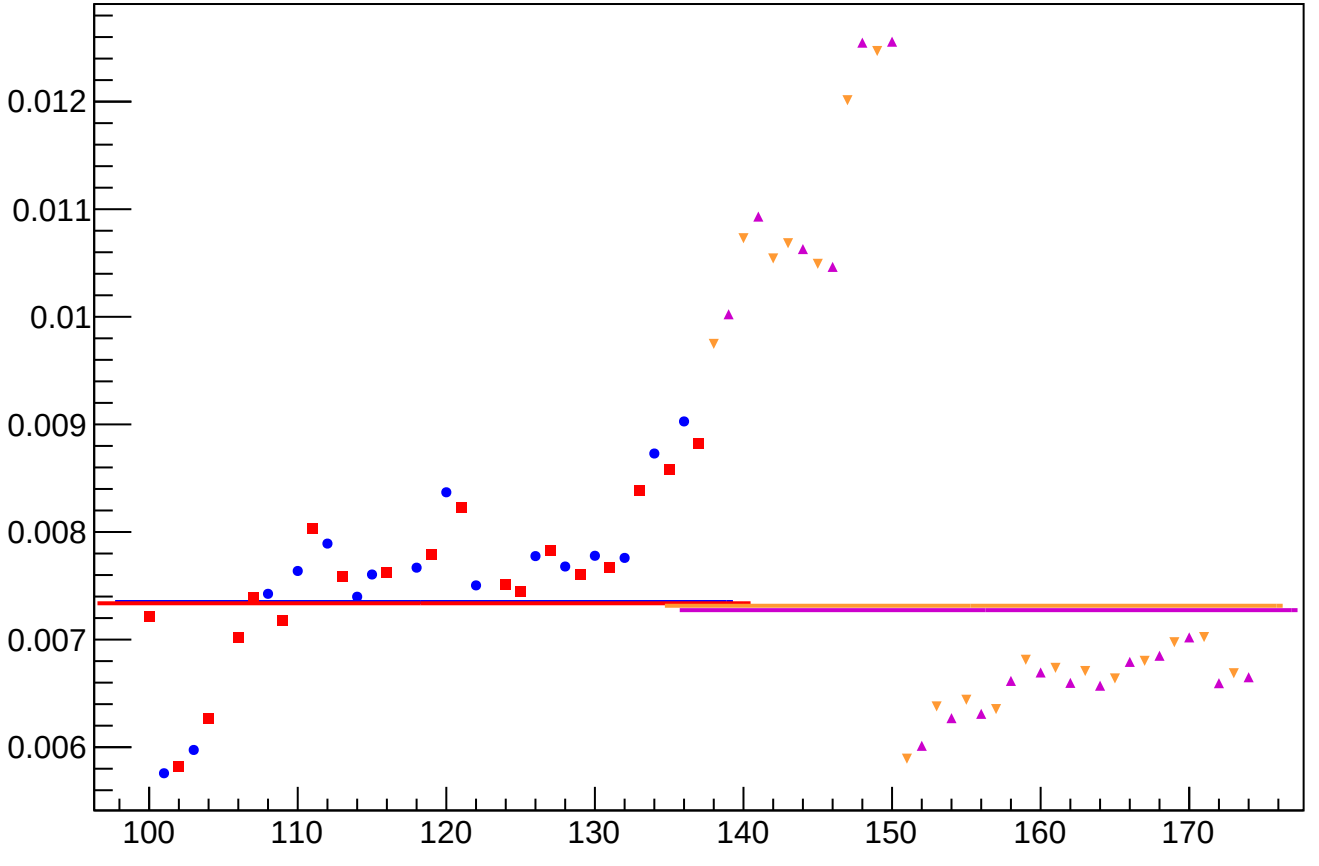
Right: 1.429+/-0.000 χ^2/NDF: 6593016759.0/34

In: -0.207+/-0.000 χ^2/NDF:578439122459.4/33

Out: -0.145+/-0.000 χ^2/NDF:544585672194.3/37

All: -0.176+/-0.000 χ^2/NDF: 1123792549953

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 270864.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1471652.9/18

Right Out: 0.007+/-0.000 χ^2/NDF: 195372.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1546000.7/17

Left: 0.007+/-0.000 χ^2/NDF: 3018097.7/36

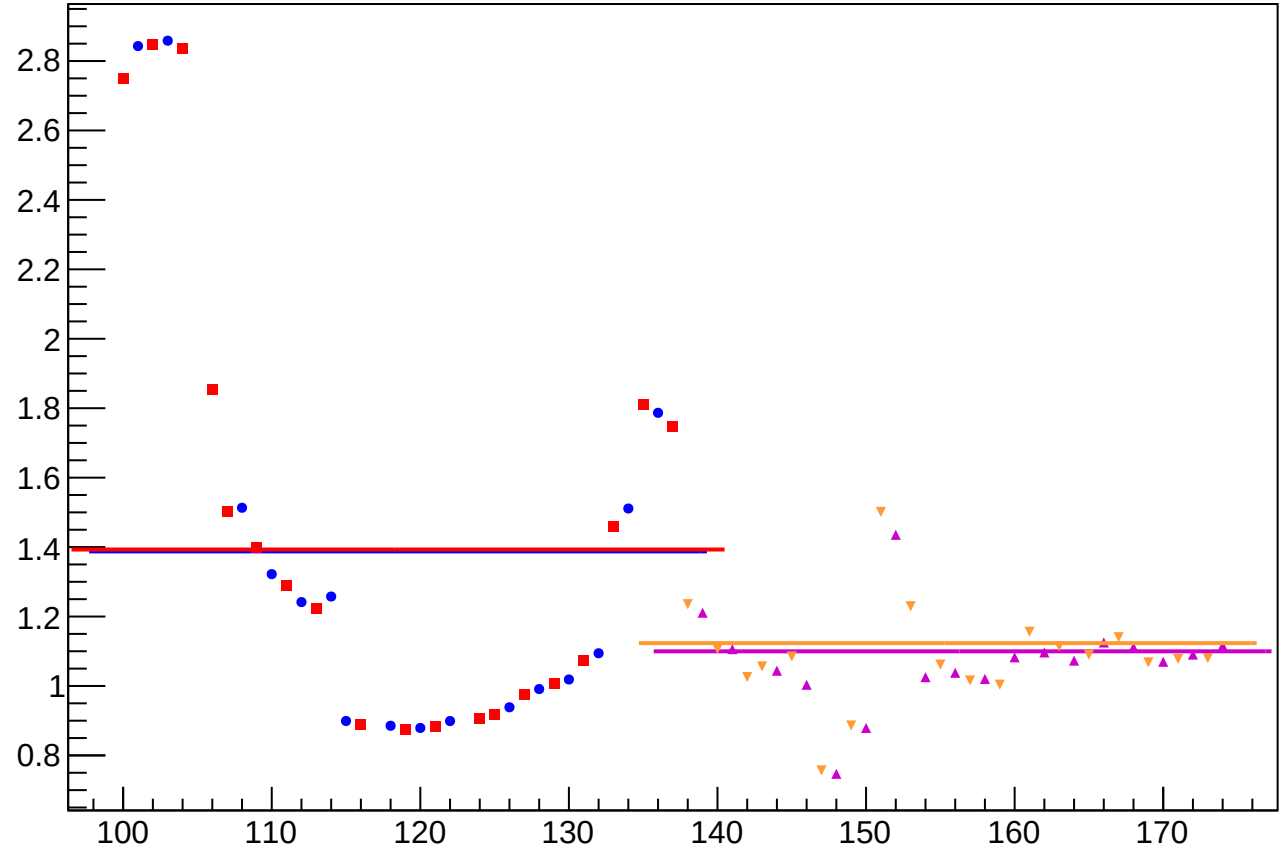
Right: 0.007+/-0.000 χ^2/NDF: 466255.6/34

In: 0.007+/-0.000 χ^2/NDF:1817868.8/33

Out: 0.007+/-0.000 χ^2/NDF:1667120.2/37

All: 0.007+/-0.000 χ^2/NDF: 3485213.8/71

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.388+/-0.000 χ^2/NDF: 58612635453.0/15

Left Out: 1.123+/-0.000 χ^2/NDF:5484953710.8/18

Right Out: 1.393+/-0.000 χ^2/NDF: 55365724659.7/18

Left In: 1.100+/-0.000 χ^2/NDF:4185531967.1/17

Left: 1.112+/-0.000 χ^2/NDF: 9746593120.0/36

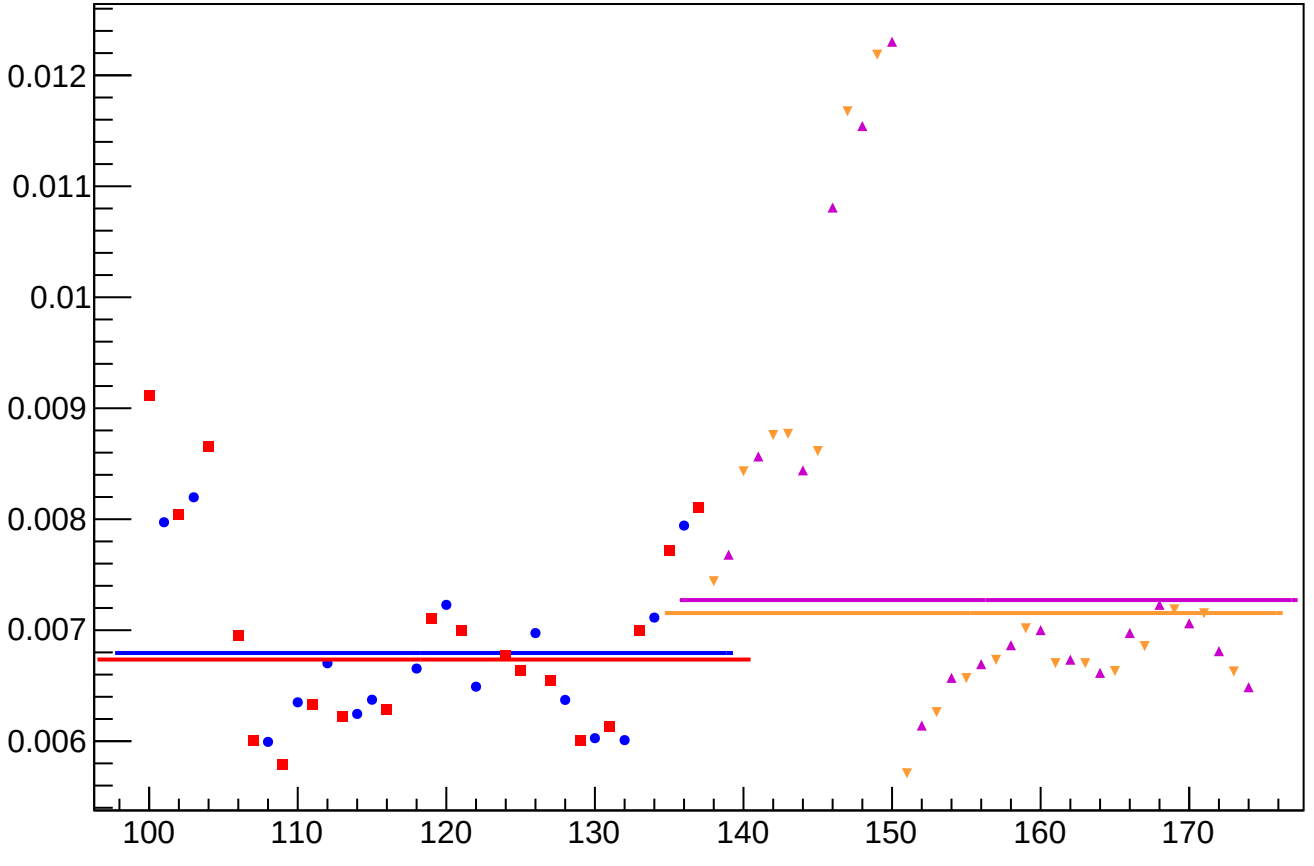
Right: 1.390+/-0.000 χ^2/NDF: 113980694957.7/34

In: 1.205+/-0.000 χ^2/NDF:70876427607.8/33

Out: 1.223+/-0.000 χ^2/NDF:68277781676.9/37

All: 1.214+/-0.000 χ^2/NDF: 139223328711.8

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 164456.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:835387.3/18

Right Out: 0.007+/-0.000 χ^2/NDF: 198492.7/18

Left In: 0.007+/-0.000 χ^2/NDF:896911.7/17

Left: 0.007+/-0.000 χ^2/NDF: 1736002.0/36

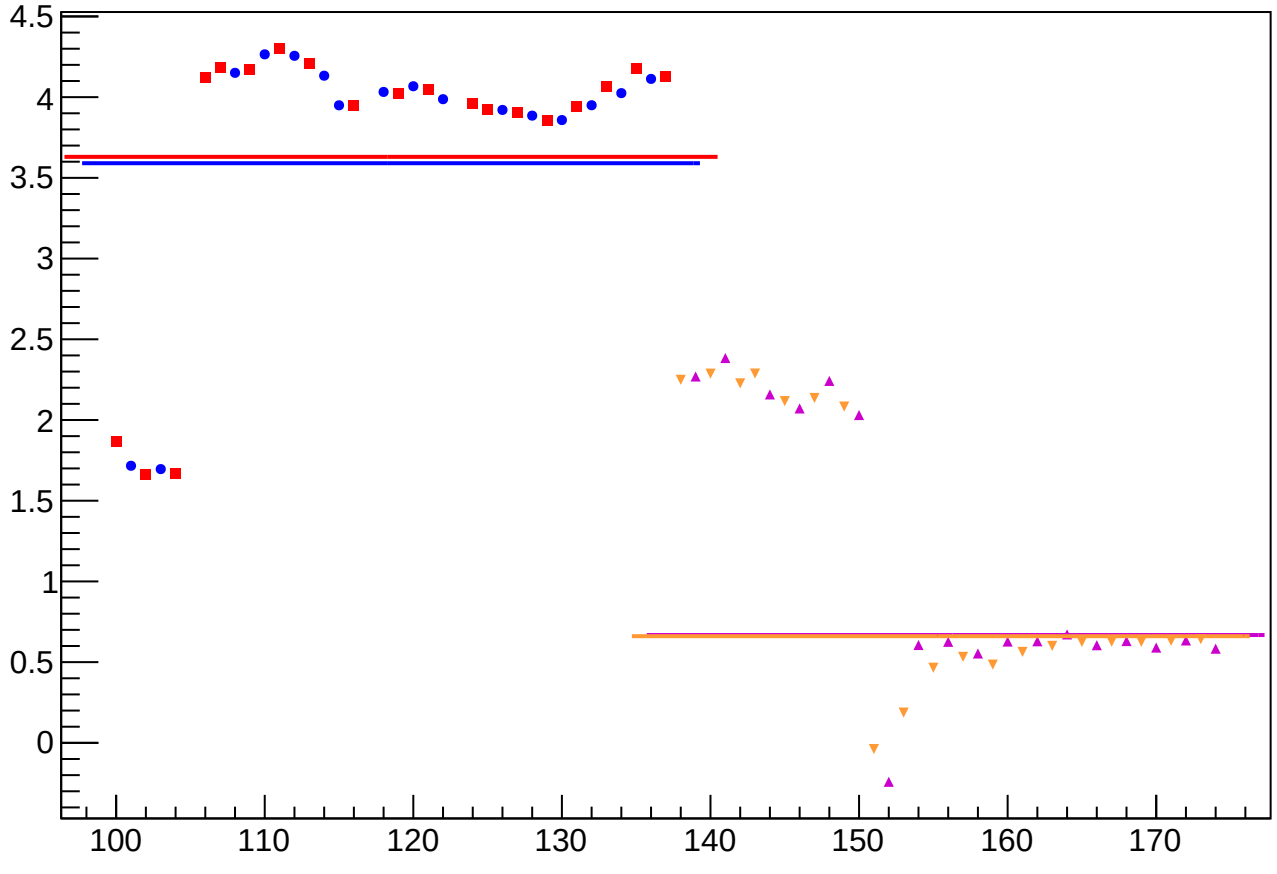
Right: 0.007+/-0.000 χ^2/NDF: 363493.8/34

In: 0.007+/-0.000 χ^2/NDF:1105747.9/33

Out: 0.007+/-0.000 χ^2/NDF:1069752.9/37

All: 0.007+/-0.000 χ^2/NDF: 2179540.4/71

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 3.591+/-0.000 χ^2/NDF: 202184644473.7/15

Left Out: 0.661+/-0.000 χ^2/NDF:244355729745.7/18

Right Out: 3.630+/-0.000 χ^2/NDF: 212588390342.3/18

Left In: 0.668+/-0.000 χ^2/NDF:243686081379.7/17

Left: 0.664+/-0.000 χ^2/NDF: 488062958717.2/36

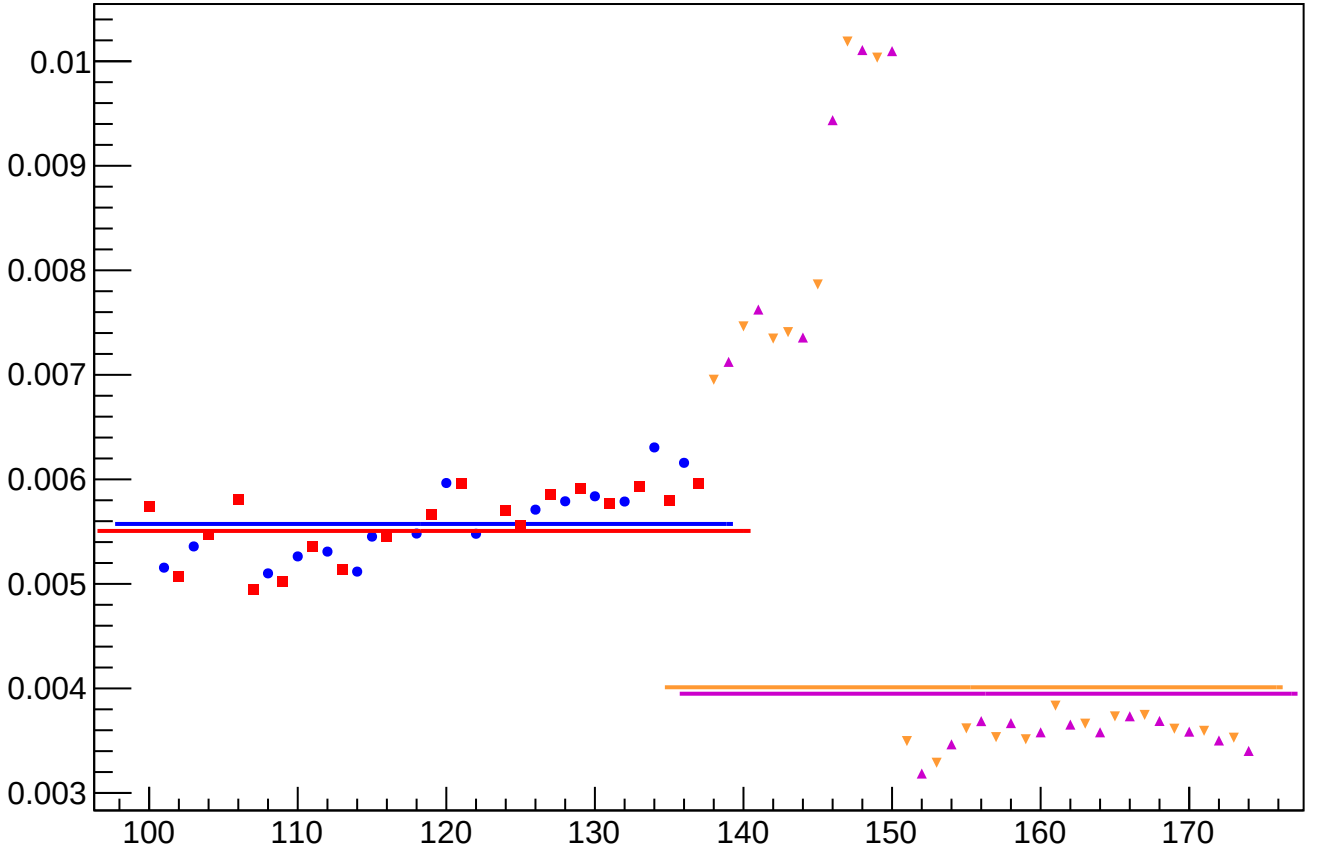
Right: 3.611+/-0.000 χ^2/NDF: 414956393826.7/34

In: 1.308+/-0.000 χ^2/NDF:1985172020915.8/33

Out: 1.345+/-0.000 χ^2/NDF:2090759945853.3/37

All: 1.327+/-0.000 χ^2/NDF: 4076658947184.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 59130.1/15

Left Out: 0.004+/-0.000 χ^2/NDF:2871023.9/18

Right Out: 0.006+/-0.000 χ^2/NDF: 57427.9/18

Left In: 0.004+/-0.000 χ^2/NDF:3097507.7/17

Left: 0.004+/-0.000 χ^2/NDF: 5971628.1/36

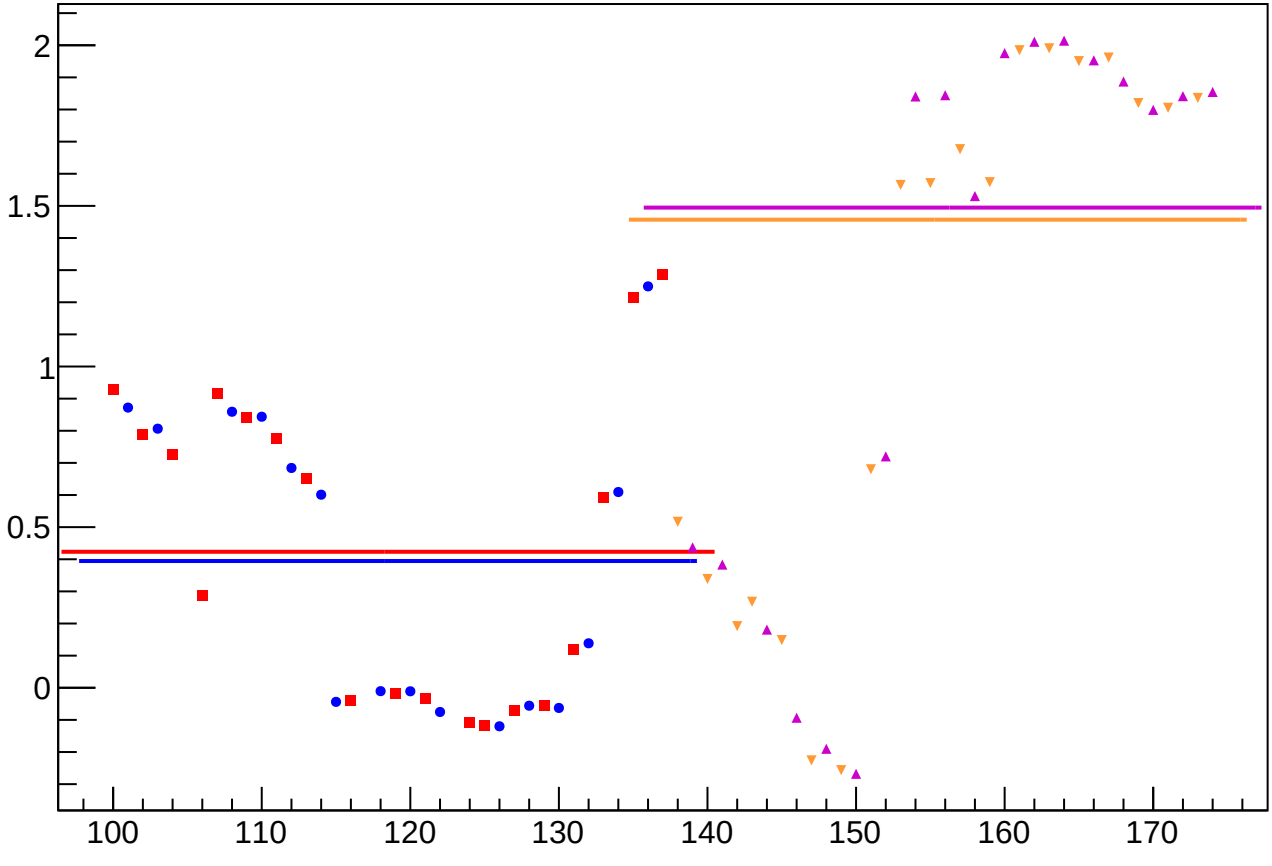
Right: 0.006+/-0.000 χ^2/NDF: 117612.2/34

In: 0.004+/-0.000 χ^2/NDF:4107321.8/33

Out: 0.004+/-0.000 χ^2/NDF:3757371.9/37

All: 0.004+/-0.000 χ^2/NDF: 7867399.1/71

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 7412548044.8/15

Left Out: 1.457+/-0.000 χ^2/NDF:53617314682.2/18

Right Out: 0.423+/-0.000 χ^2/NDF: 6904060515.1/18

Left In: 1.495+/-0.000 χ^2/NDF:59383031700.2/17

Left: 1.476+/-0.000 χ^2/NDF: 113087216726.6/36

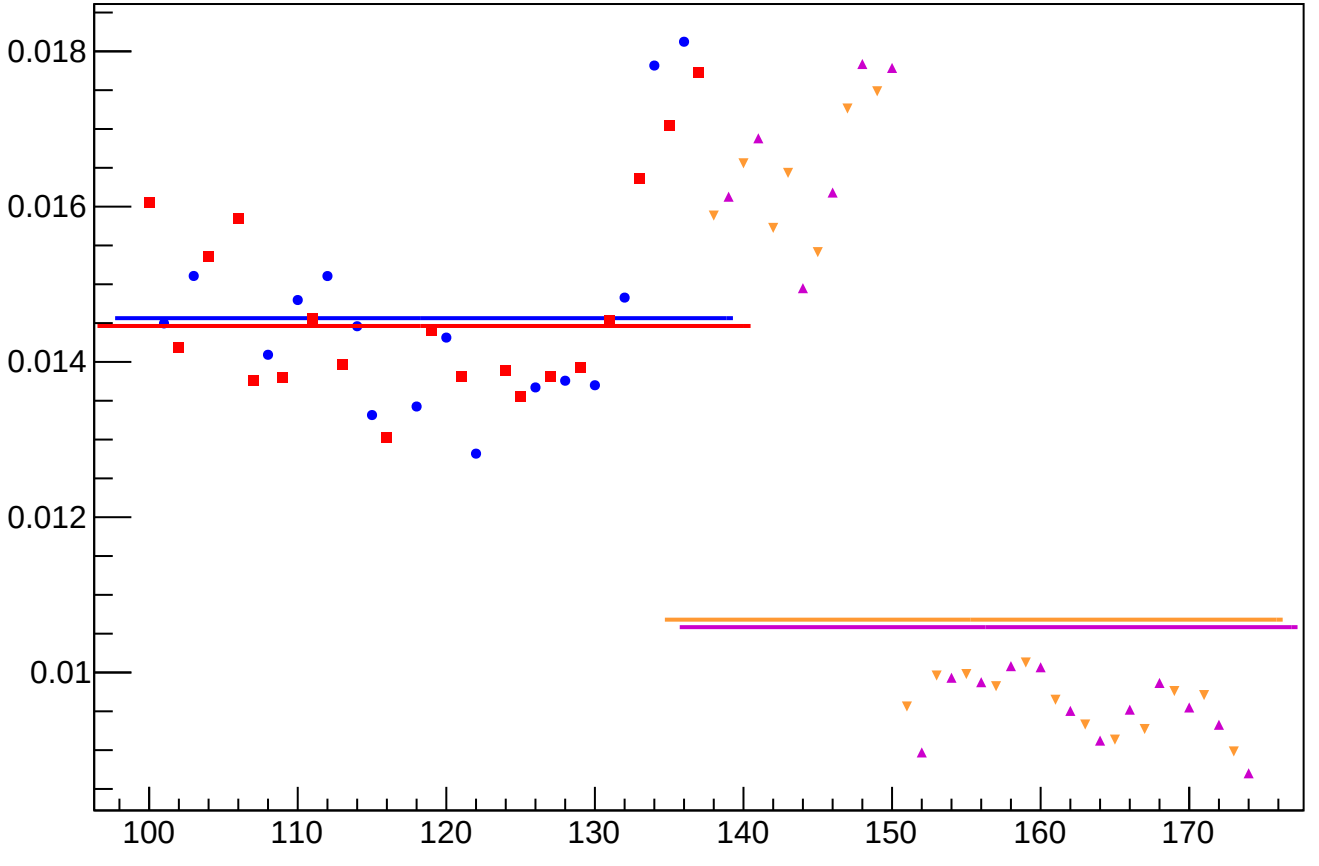
Right: 0.409+/-0.000 χ^2/NDF: 14330729641.2/34

In: 1.261+/-0.000 χ^2/NDF:98681999153.7/33

Out: 1.229+/-0.000 χ^2/NDF:89520571208.5/37

All: 1.245+/-0.000 χ^2/NDF: 188283895885.7

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 133134.7/15

Left Out: 0.011+/-0.000 χ^2/NDF:1562623.6/18

Right Out: 0.014+/-0.000 χ^2/NDF: 77396.3/18

Left In: 0.011+/-0.000 χ^2/NDF:1647446.7/17

Left: 0.011+/-0.000 χ^2/NDF: 3211220.1/36

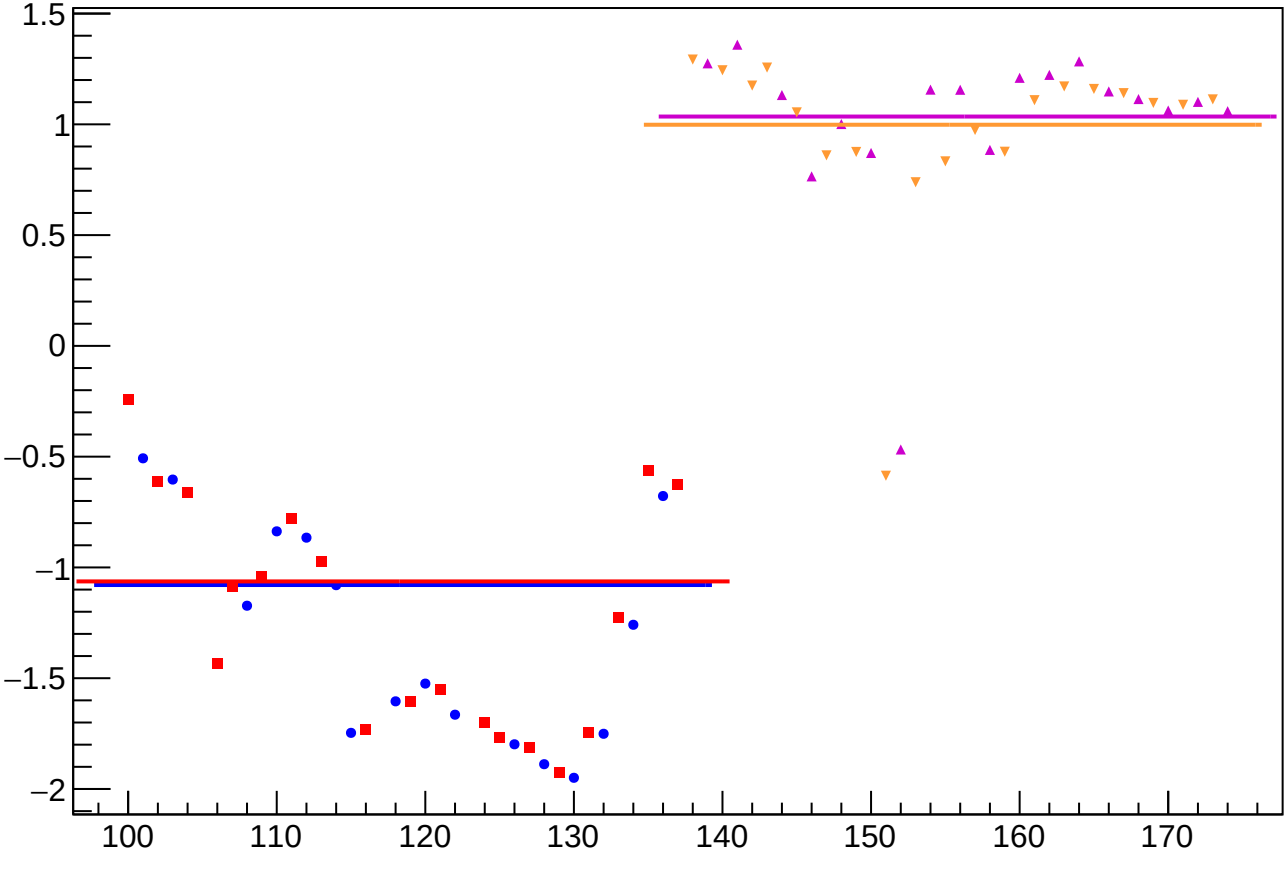
Right: 0.015+/-0.000 χ^2/NDF: 210877.4/34

In: 0.011+/-0.000 χ^2/NDF:2615161.8/33

Out: 0.012+/-0.000 χ^2/NDF:2416395.0/37

All: 0.011+/-0.000 χ^2/NDF: 5032733.3/71

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -1.079+/-0.000 χ^2/NDF: 59756571764.5/15

Left Out: 0.998+/-0.000 χ^2/NDF:110402551320.4/18

Right Out: -1.063+/-0.000 χ^2/NDF: 49910403943.5/18

Left In: 1.035+/-0.000 χ^2/NDF:125211737237.4/17

Left: 1.017+/-0.000 χ^2/NDF: 236335369885.7/36

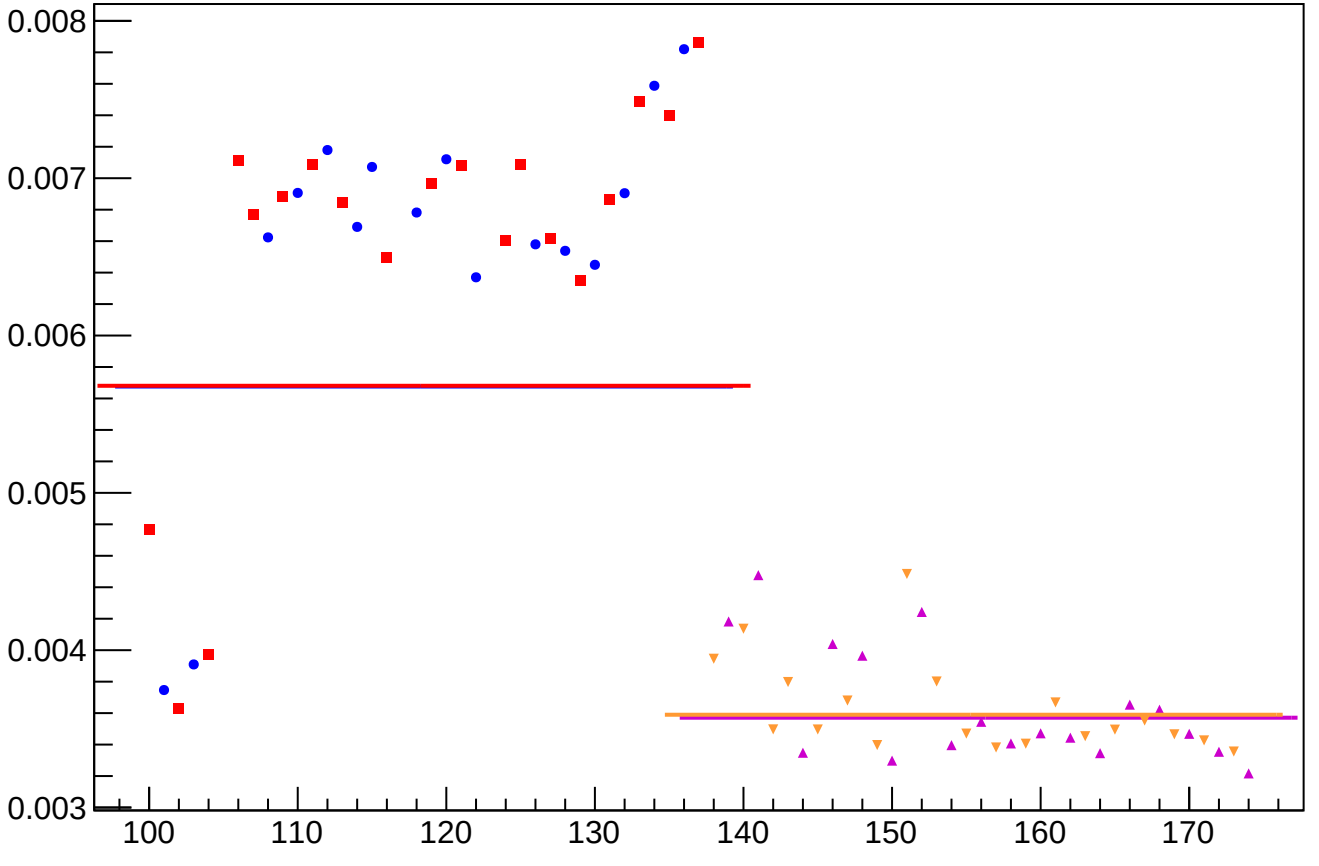
Right: -1.071+/-0.000 χ^2/NDF: 109693375141.4/34

In: 0.700+/-0.000 χ^2/NDF:928738635727.8/33

Out: 0.670+/-0.000 χ^2/NDF:874099983763.5/37

All: 0.685+/-0.000 χ^2/NDF: 1803422182672.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 944822.9/15

Left Out: 0.004+/-0.000 χ^2/NDF:138437.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 980583.9/18

Left In: 0.004+/-0.000 χ^2/NDF:236246.9/17

Left: 0.004+/-0.000 χ^2/NDF: 375060.2/36

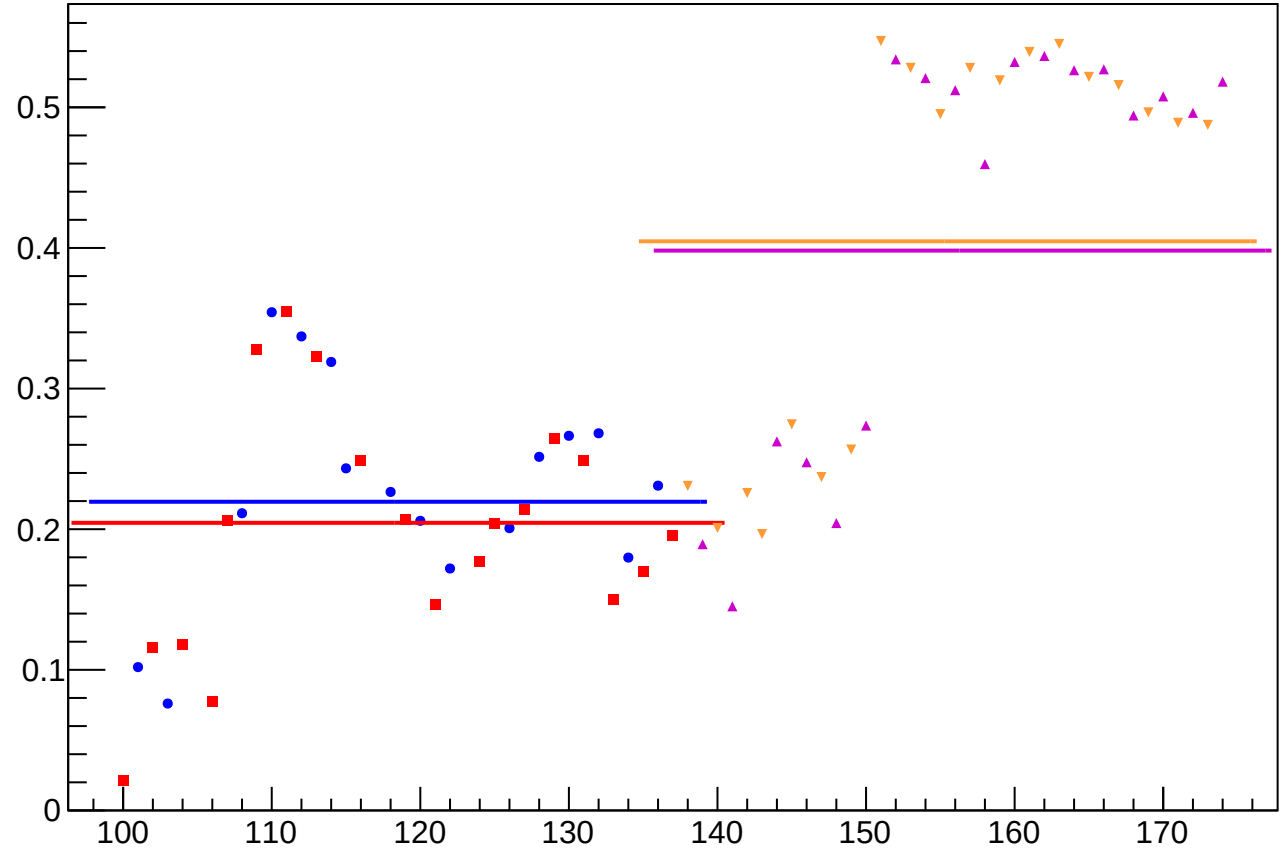
Right: 0.006+/-0.000 χ^2/NDF: 1925411.0/34

In: 0.004+/-0.000 χ^2/NDF:2655481.3/33

Out: 0.004+/-0.000 χ^2/NDF:2587947.4/37

All: 0.004+/-0.000 χ^2/NDF: 5243862.4/71

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.220+/-0.000 χ^2/NDF: 16729743257.8/15

Left Out: 0.405+/-0.000 χ^2/NDF:135731632177.4/18

Right Out: 0.205+/-0.000 χ^2/NDF: 22312377506.1/18

Left In: 0.398+/-0.000 χ^2/NDF:136578897252.8/17

Left: 0.402+/-0.000 χ^2/NDF: 272452256612.2/36

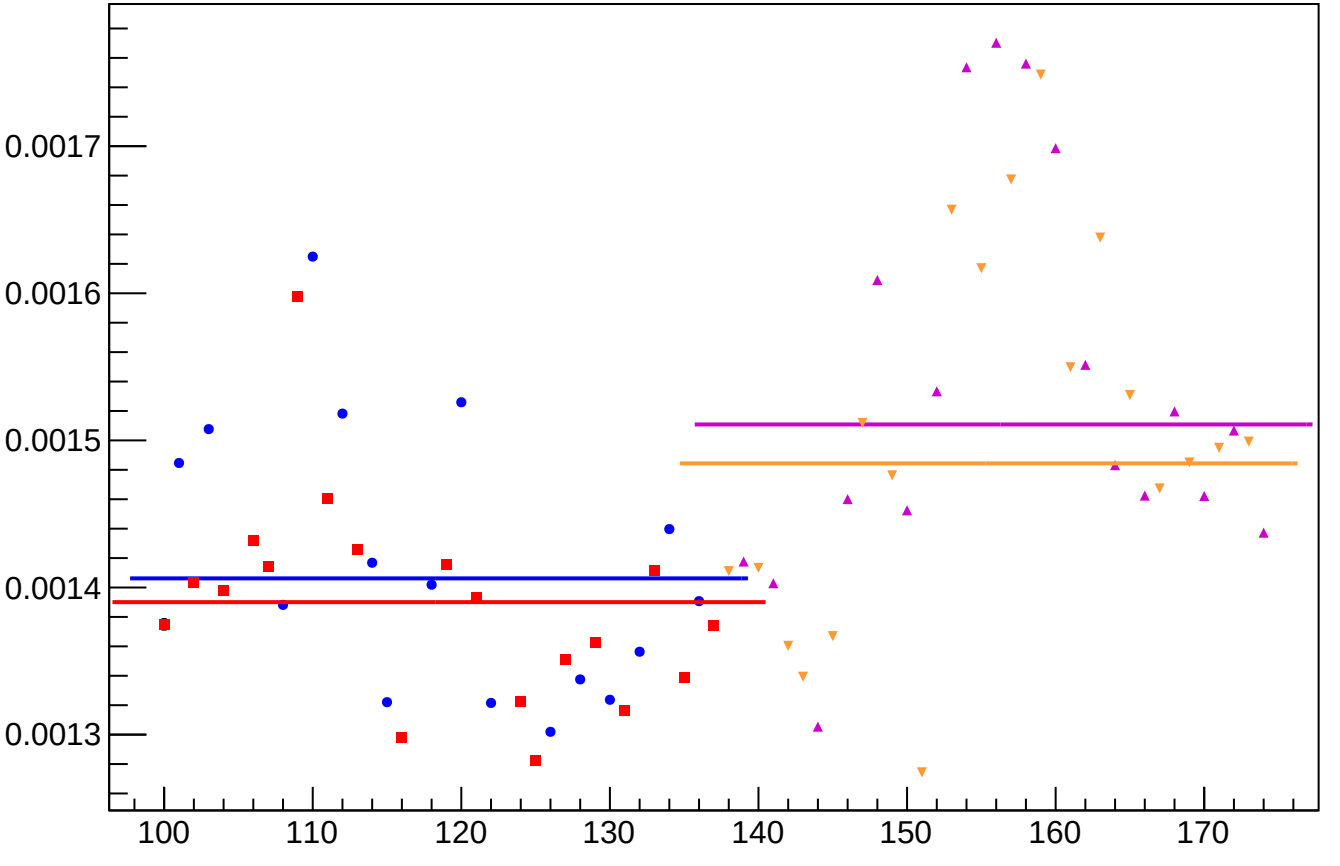
Right: 0.212+/-0.000 χ^2/NDF: 39451425816.8/34

In: 0.335+/-0.000 χ^2/NDF:225465695293.4/33

Out: 0.332+/-0.000 χ^2/NDF:255113435950.8/37

All: 0.333+/-0.000 χ^2/NDF: 480606552681.6

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 48200.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:201059.9/18

Right Out: 0.001+/-0.000 χ^2/NDF: 34786.9/18

Left In: 0.002+/-0.000 χ^2/NDF:203541.5/17

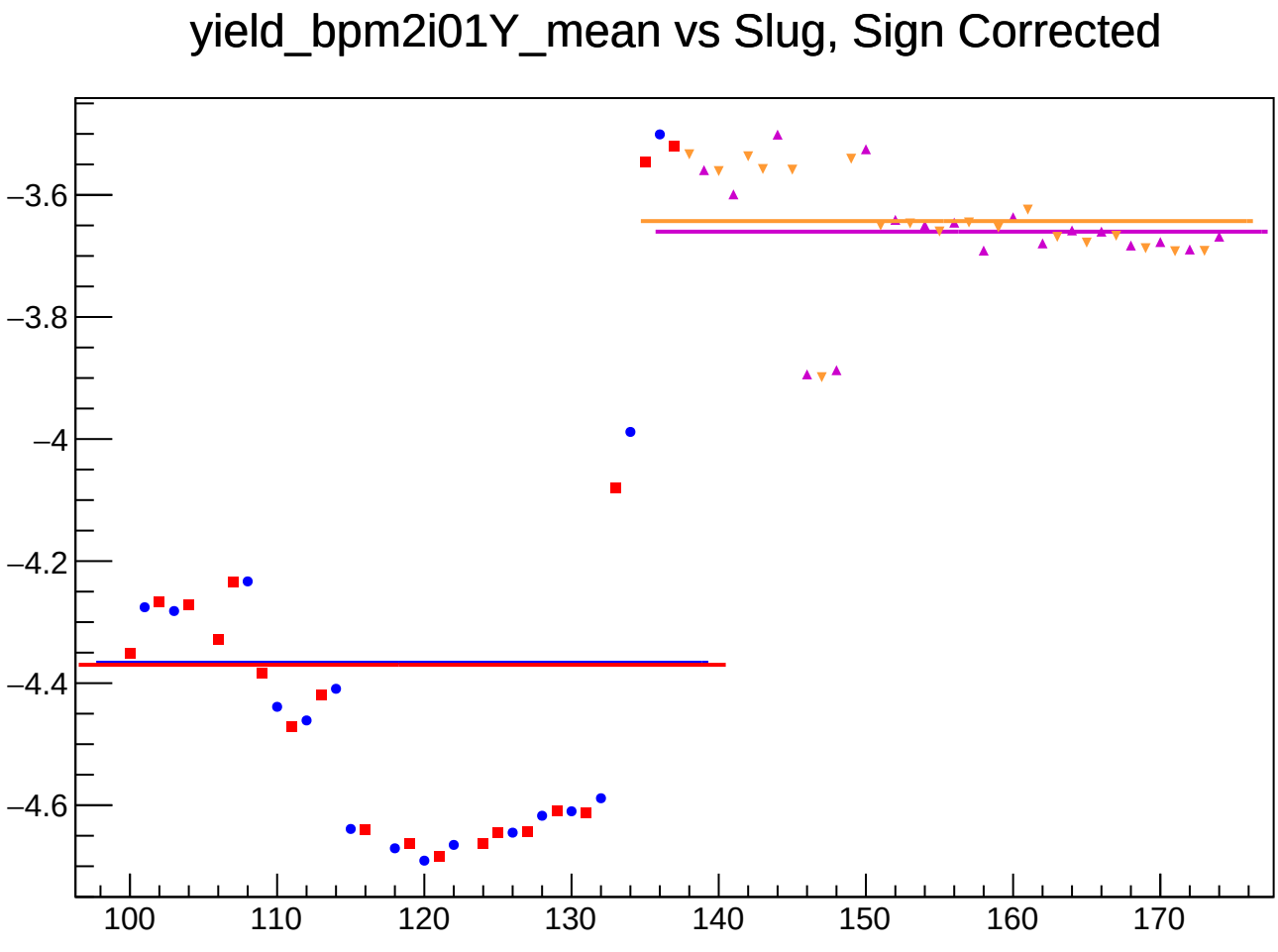
Left: 0.001+/-0.000 χ^2/NDF: 409173.7/36

Right: 0.001+/-0.000 χ^2/NDF: 83938.6/34

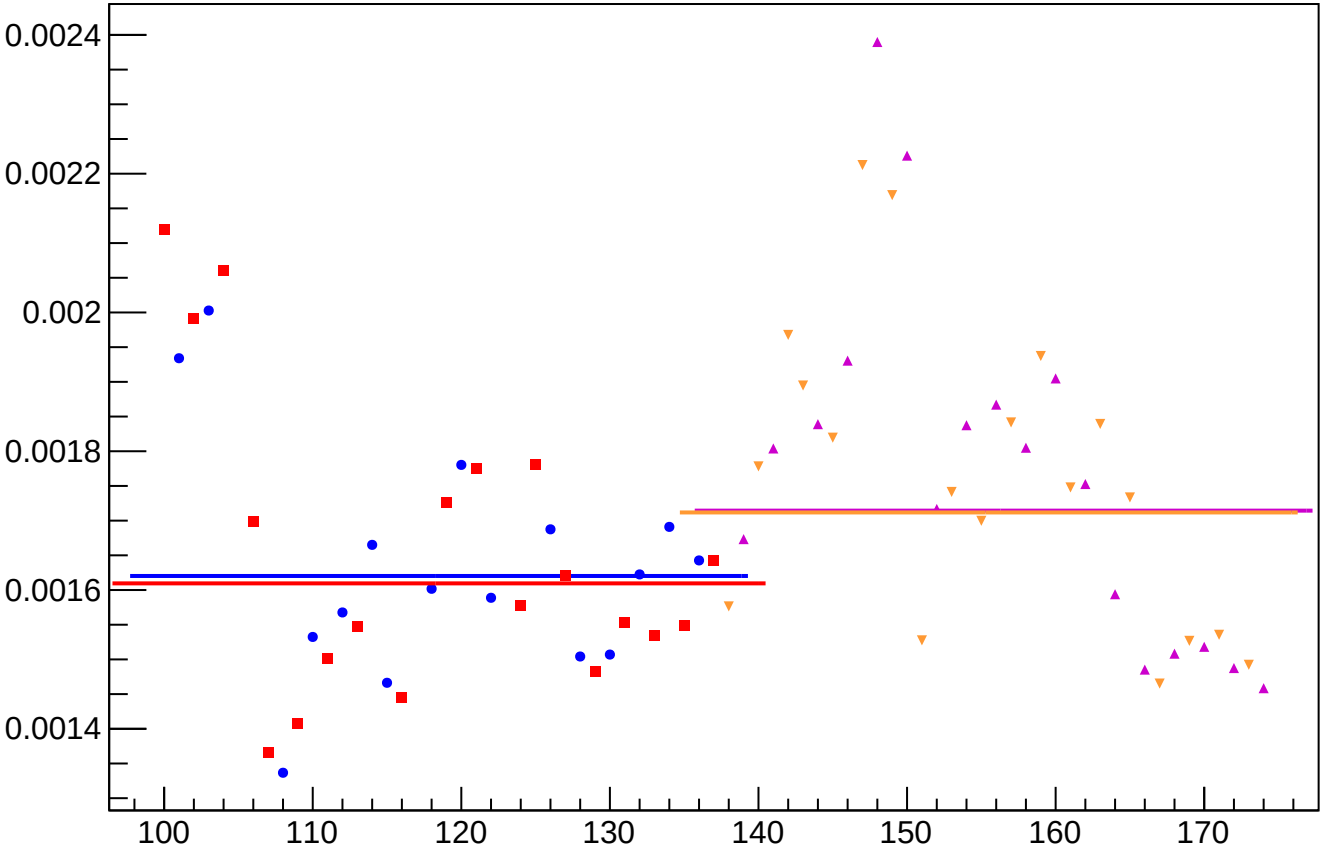
In: 0.001+/-0.000 χ^2/NDF:301269.8/33

Out: 0.001+/-0.000 χ^2/NDF:278939.6/37

All: 0.001+/-0.000 χ^2/NDF: 585773.3/71


yield_bpm2i01Y_mean vs Slug, Sign Corrected
−3.6
−3.8
−4
−4.2
−4.4
−4.6
100
110
120
130
140
150
160
170
Right In: -4.367+/-0.000 χ²/NDF: 353013303743.6/15
Left Out: -3.643+/-0.000 χ²/NDF:24978057517.3/18
Right Out: -4.370+/-0.000 χ²/NDF: 296136368274.3/18
Left In: -3.660+/-0.000 χ²/NDF:34077549604.2/17
Left: -3.651+/-0.000 χ²/NDF: 59785079120.6/36
Right: -4.368+/-0.000 χ²/NDF: 649165512283.3/34
In: -3.908+/-0.000 χ²/NDF:1234713078264.1/33
Out: -3.904+/-0.000 χ²/NDF:1251560253590.6/37
All: -3.906+/-0.000 χ²/NDF: 2486334279663

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 140216.3/15

Left Out: 0.002+/-0.000 χ^2/NDF:387231.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 184968.0/18

Left In: 0.002+/-0.000 χ^2/NDF:476266.6/17

Left: 0.002+/-0.000 χ^2/NDF: 863531.0/36

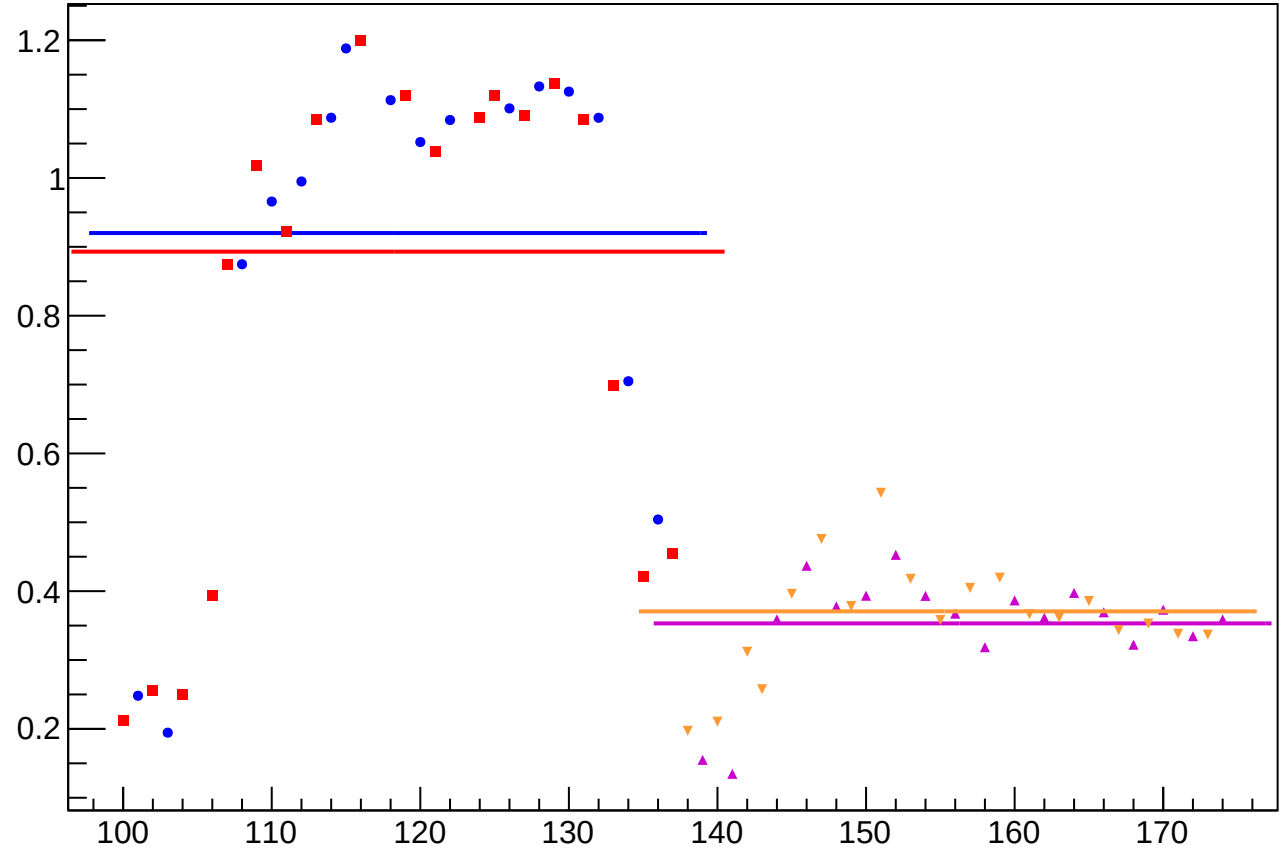
Right: 0.002+/-0.000 χ^2/NDF: 325489.2/34

In: 0.002+/-0.000 χ^2/NDF:646609.5/33

Out: 0.002+/-0.000 χ^2/NDF:608983.6/37

All: 0.002+/-0.000 χ^2/NDF: 1255890.6/71

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 14566431727.4/15

Left Out: 0.371+/-0.000 χ^2/NDF:1758976255.7/18

Right Out: 0.893+/-0.000 χ^2/NDF: 17642154019.1/18

Left In: 0.353+/-0.000 χ^2/NDF:1454203988.2/17

Left: 0.362+/-0.000 χ^2/NDF: 3256974768.1/36

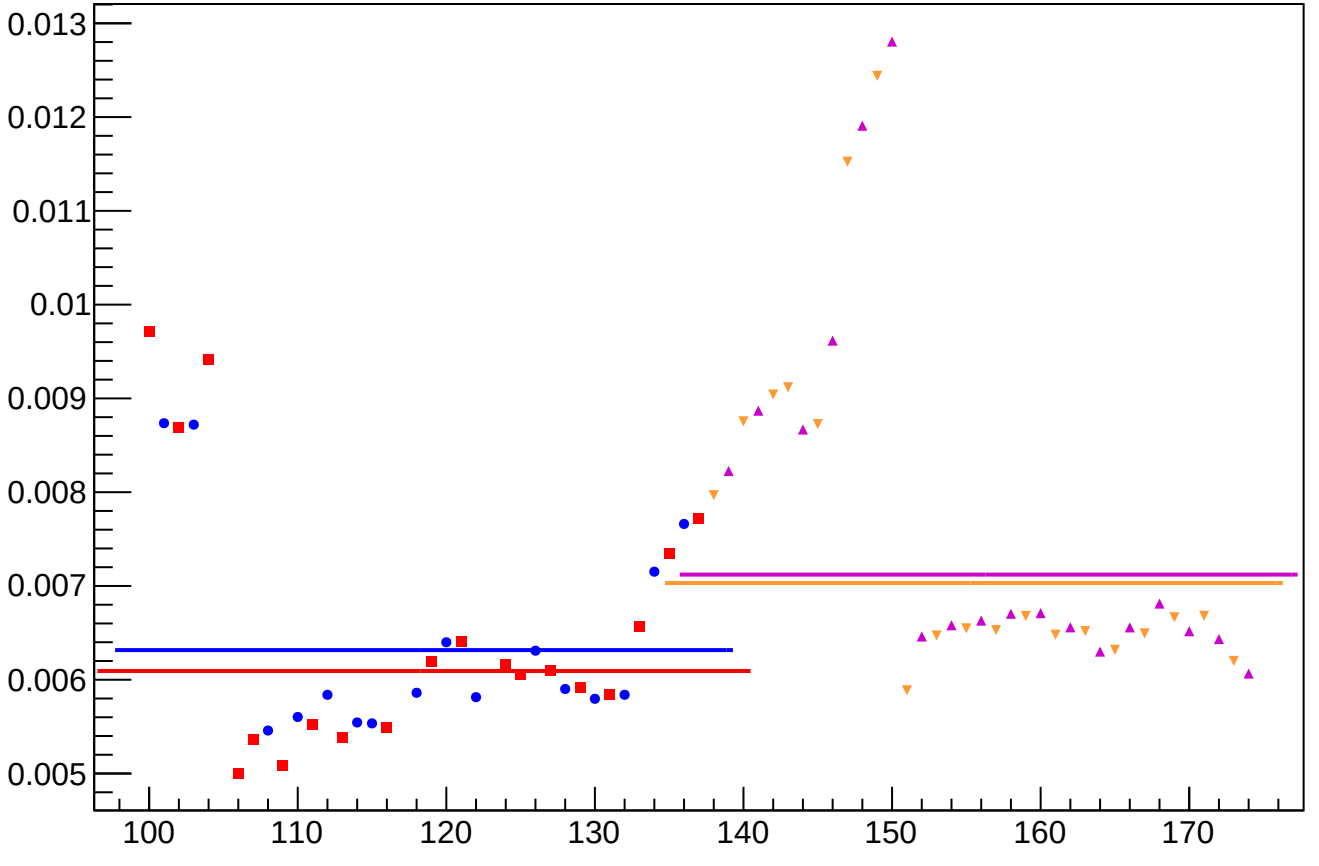
Right: 0.906+/-0.000 χ^2/NDF: 32276058175.7/34

In: 0.571+/-0.000 χ^2/NDF:50762787535.0/33

Out: 0.580+/-0.000 χ^2/NDF:51300773044.6/37

All: 0.576+/-0.000 χ^2/NDF: 102083227823.9

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 335709.2/15

Left Out: 0.007+/-0.000 χ^2/NDF:1022665.6/18

Right Out: 0.006+/-0.000 χ^2/NDF: 435933.6/18

Left In: 0.007+/-0.000 χ^2/NDF:1075021.4/17

Left: 0.007+/-0.000 χ^2/NDF: 2099995.2/36

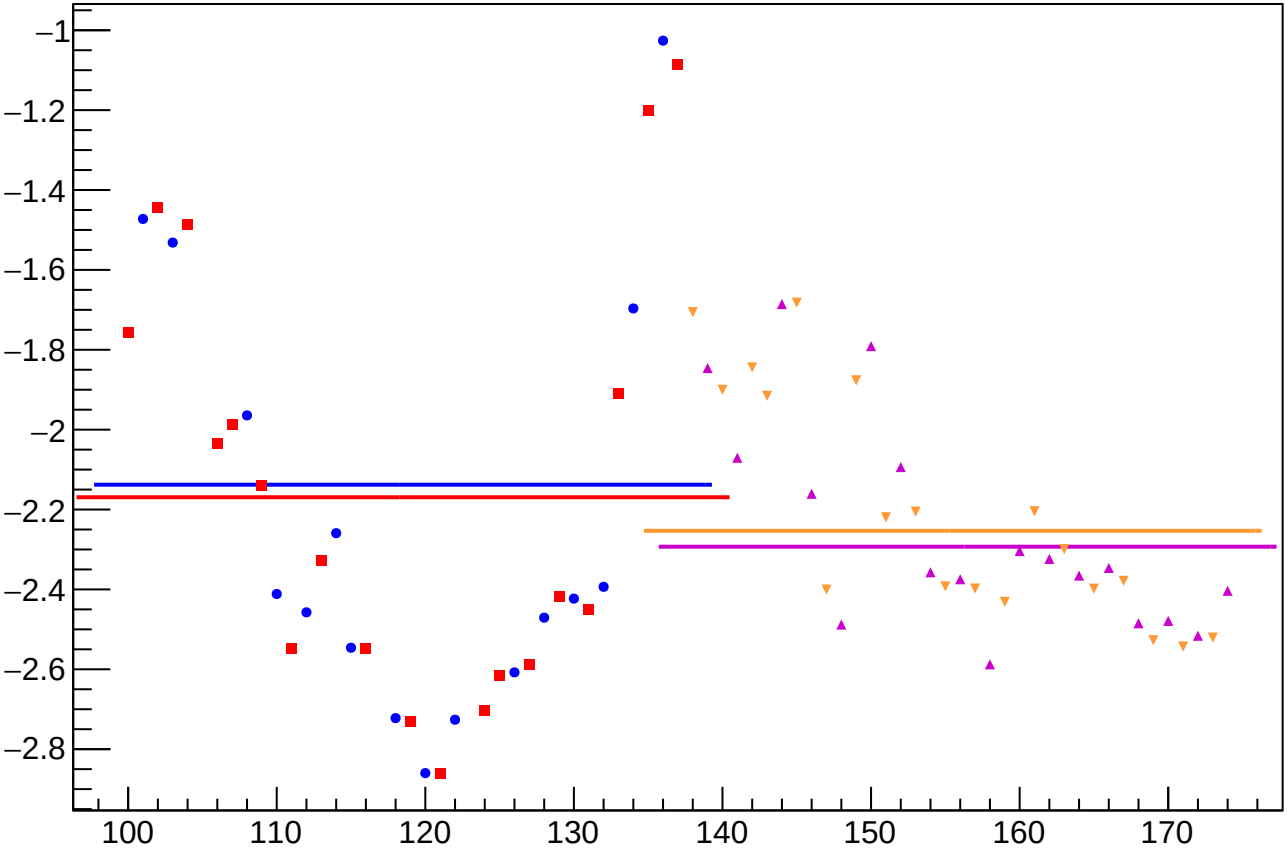
Right: 0.006+/-0.000 χ^2/NDF: 780835.2/34

In: 0.007+/-0.000 χ^2/NDF:1550933.2/33

Out: 0.007+/-0.000 χ^2/NDF:1664436.5/37

All: 0.007+/-0.000 χ^2/NDF: 3226950.1/71

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -2.138+/-0.000 χ^2/NDF: 65666622158.4/15

Left Out: -2.253+/-0.000 χ^2/NDF:22764987183.6/18

Right Out: -2.169+/-0.000 χ^2/NDF: 57409196879.6/18

Left In: -2.293+/-0.000 χ^2/NDF:18929672342.4/17

Left: -2.273+/-0.000 χ^2/NDF: 41973075993.3/36

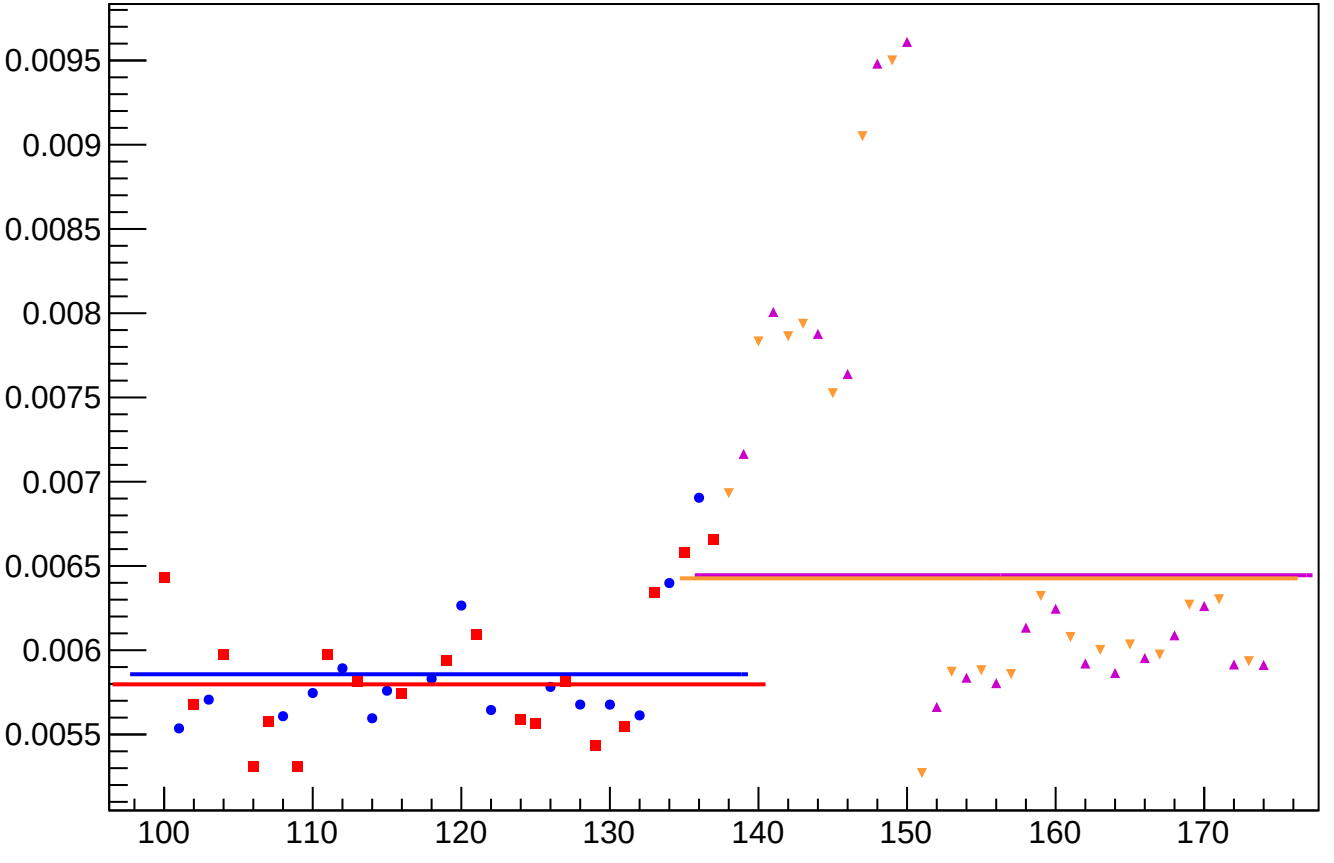
Right: -2.154+/-0.000 χ^2/NDF: 123181980201.2/34

In: -2.235+/-0.000 χ^2/NDF:87748927819.7/33

Out: -2.221+/-0.000 χ^2/NDF:81136124496.1/37

All: -2.228+/-0.000 χ^2/NDF: 168939864908.0

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 61946.9/15

Left Out: 0.006+/-0.000 χ^2/NDF:663952.3/18

Right Out: 0.006+/-0.000 χ^2/NDF: 56374.2/18

Left In: 0.006+/-0.000 χ^2/NDF:696520.8/17

Left: 0.006+/-0.000 χ^2/NDF: 1360594.0/36

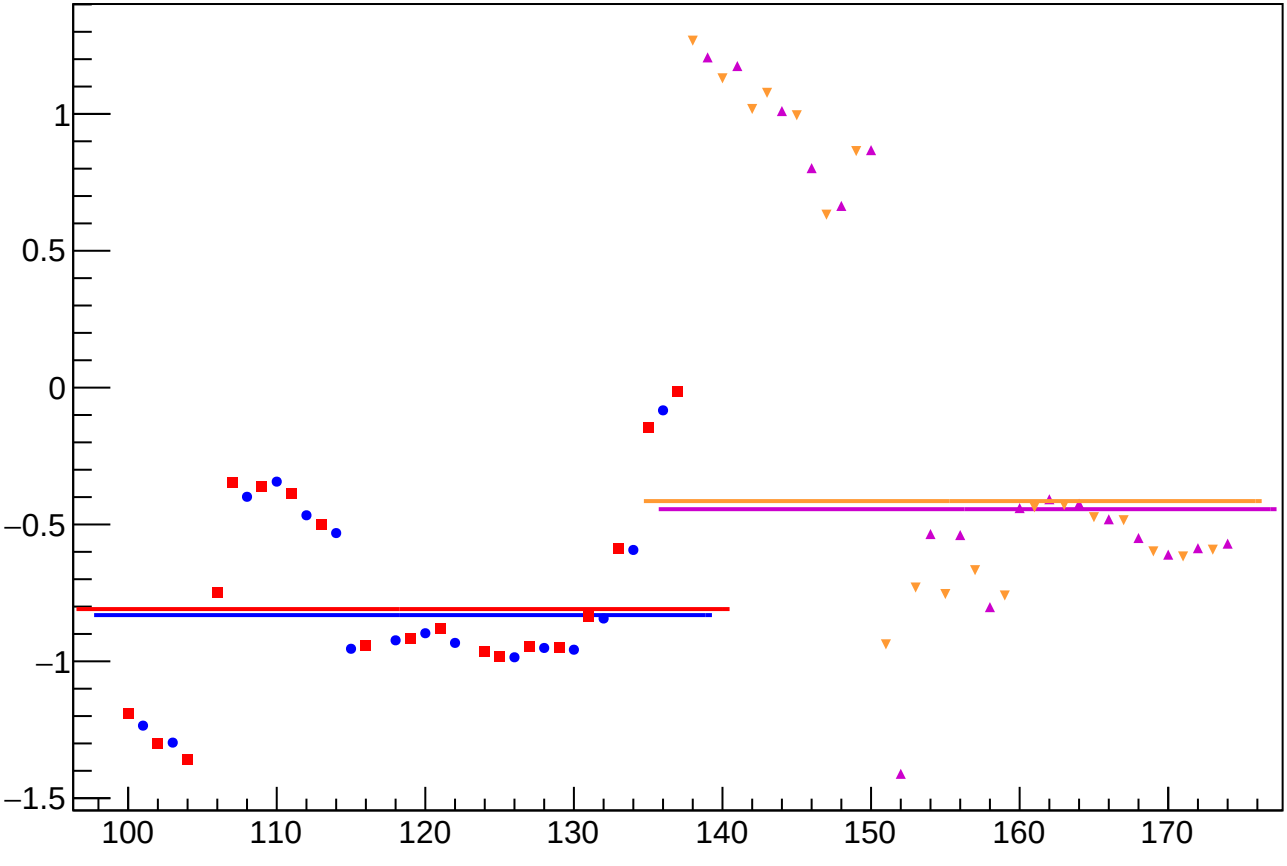
Right: 0.006+/-0.000 χ^2/NDF: 119093.4/34

In: 0.006+/-0.000 χ^2/NDF:848894.9/33

Out: 0.006+/-0.000 χ^2/NDF:828237.1/37

All: 0.006+/-0.000 χ^2/NDF: 1678049.5/71

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.831+/-0.000 χ^2/NDF: 7112259663.3/15

Left Out: -0.415+/-0.000 χ^2/NDF:80370359670.7/18

Right Out: -0.809+/-0.000 χ^2/NDF: 8146337898.7/18

Left In: -0.444+/-0.000 χ^2/NDF:89583715677.6/17

Left: -0.429+/-0.000 χ^2/NDF: 170066173985.4/36

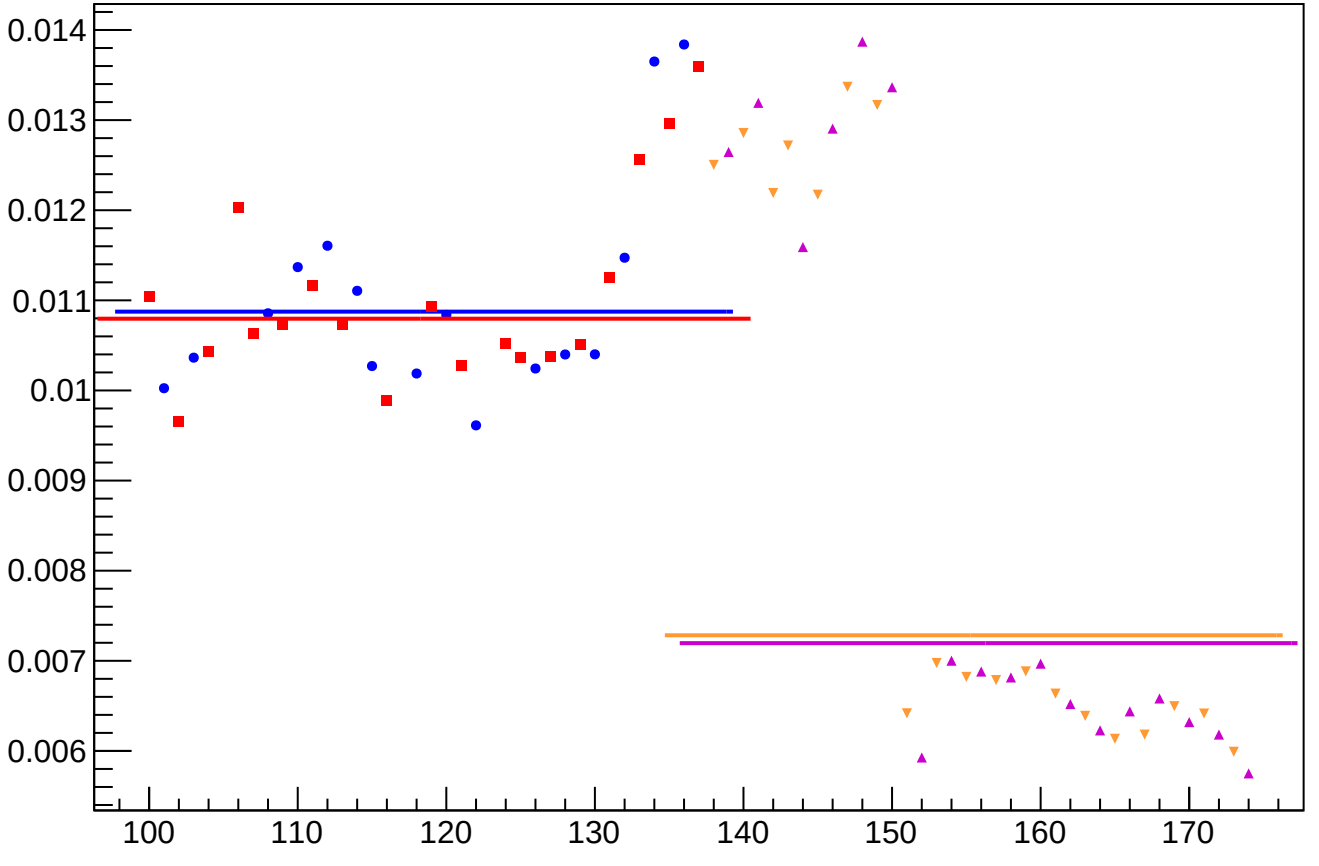
Right: -0.820+/-0.000 χ^2/NDF: 15273298764.6/34

In: -0.516+/-0.000 χ^2/NDF:103942401481.1/33

Out: -0.492+/-0.000 χ^2/NDF:96282724757.0/37

All: -0.504+/-0.000 χ^2/NDF: 200322543869.1

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 157612.7/15

Left Out: 0.007+/-0.000 χ^2/NDF:2242132.1/18

Right Out: 0.011+/-0.000 χ^2/NDF: 99122.1/18

Left In: 0.007+/-0.000 χ^2/NDF:2356553.7/17

Left: 0.007+/-0.000 χ^2/NDF: 4600637.8/36

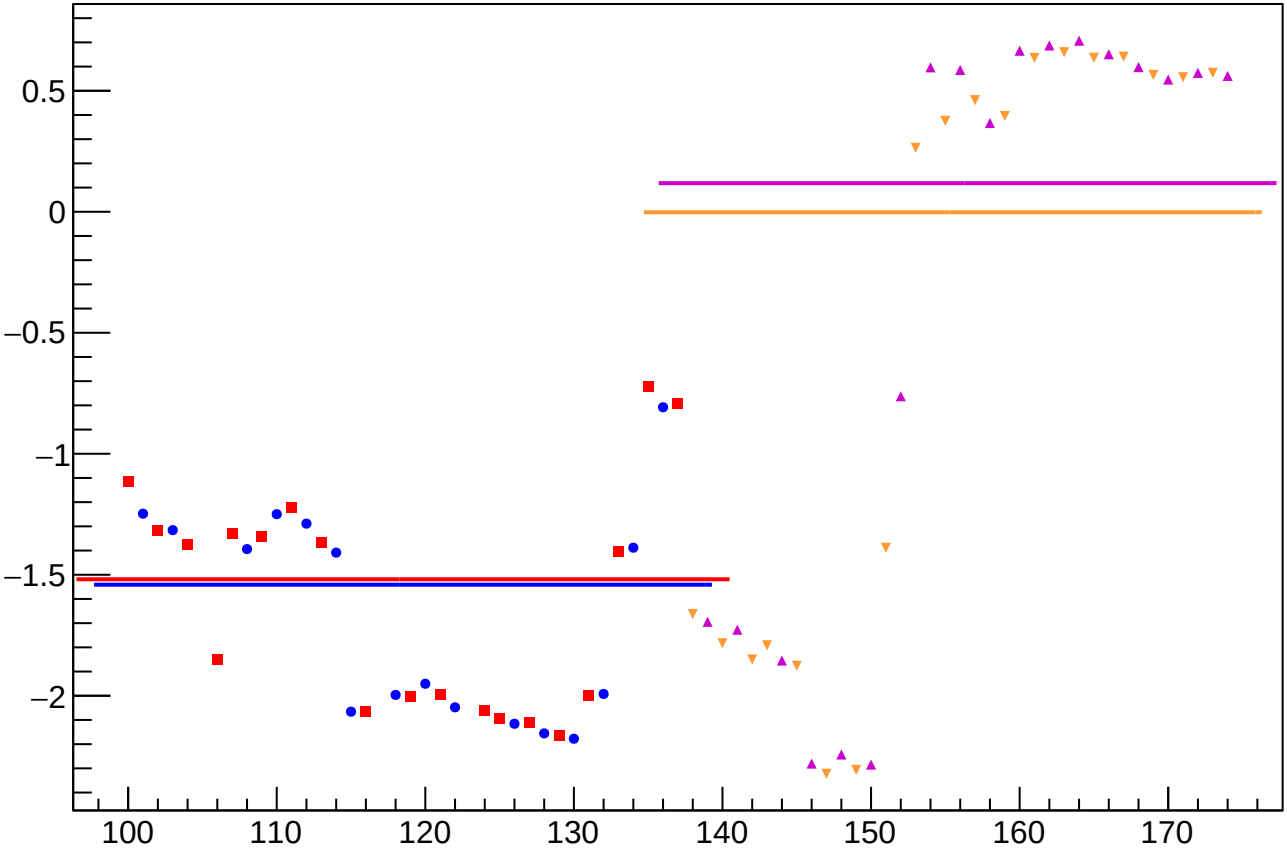
Right: 0.011+/-0.000 χ^2/NDF: 257107.2/34

In: 0.008+/-0.000 χ^2/NDF:3823630.0/33

Out: 0.008+/-0.000 χ^2/NDF:3572947.5/37

All: 0.008+/-0.000 χ^2/NDF: 7398939.6/71

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.541+/-0.000 χ^2/NDF: 162409397922.2/15

Left Out: -0.002+/-0.000 χ^2/NDF:2194966155073.6/18

Right Out: -1.519+/-0.000 χ^2/NDF: 145077318641.2/18

Left In: 0.118+/-0.000 χ^2/NDF:2012396609627.0/17

Left: 0.059+/-0.000 χ^2/NDF: 4223241491080.4/36

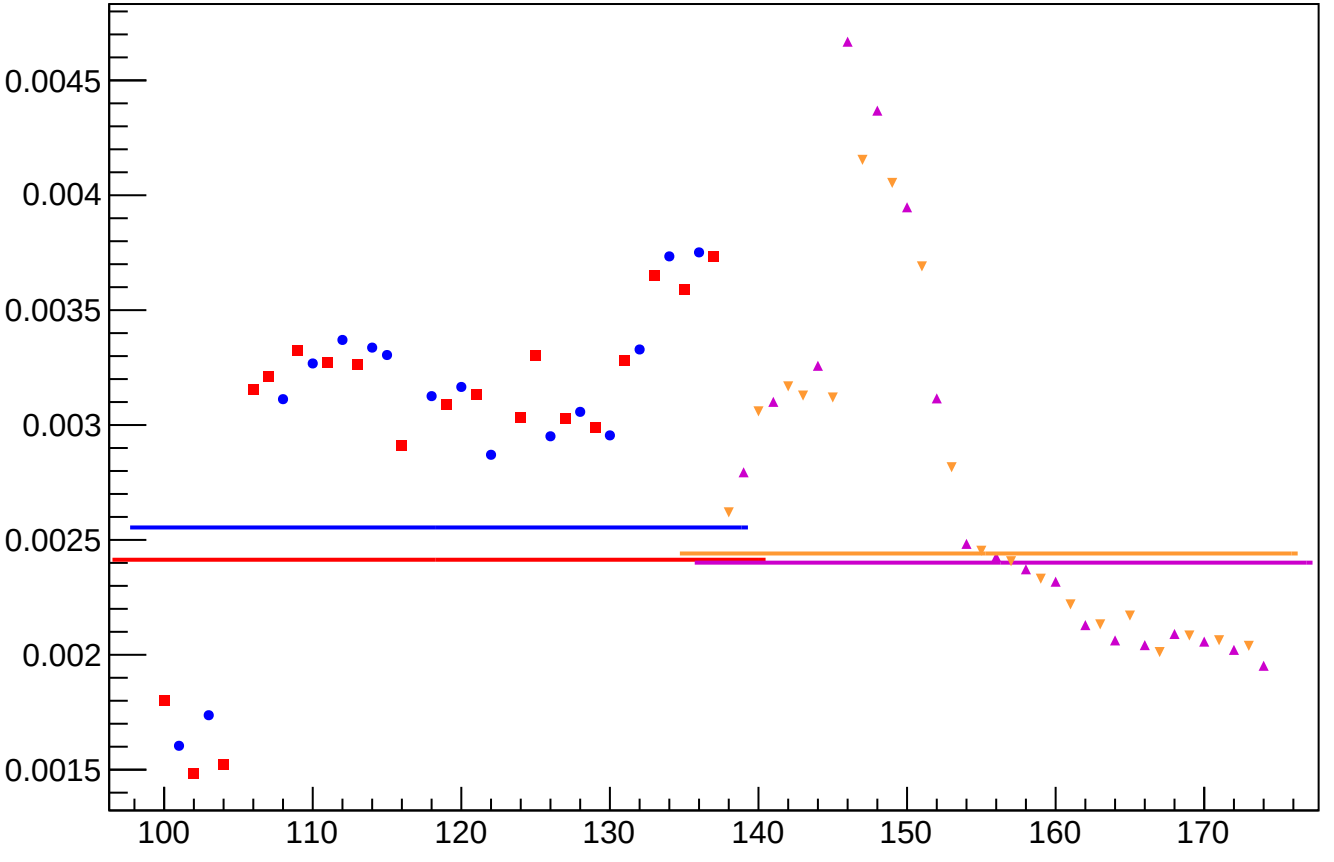
Right: -1.529+/-0.000 χ^2/NDF: 307732116783.0/34

In: -0.373+/-0.000 χ^2/NDF:3974358746876.4/33

Out: -0.485+/-0.000 χ^2/NDF:3934758023386.0/37

All: -0.430+/-0.000 χ^2/NDF: 7928766800941

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 1172434.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1135339.8/18

Right Out: 0.002+/-0.000 χ^2/NDF: 1546830.8/18

Left In: 0.002+/-0.000 χ^2/NDF:1379432.7/17

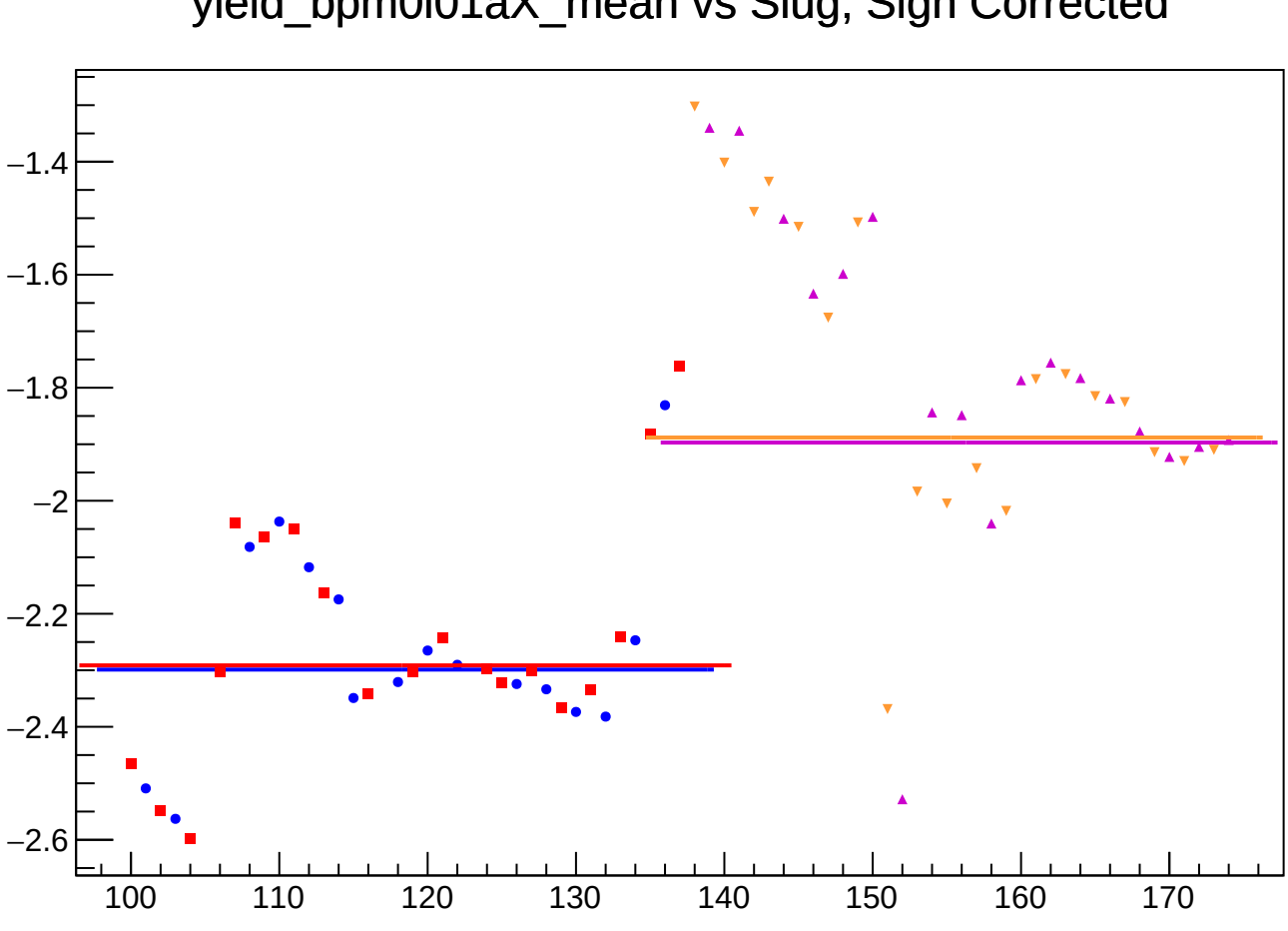
Left: 0.002+/-0.000 χ^2/NDF: 2518255.8/36

Right: 0.002+/-0.000 χ^2/NDF: 2738423.5/34

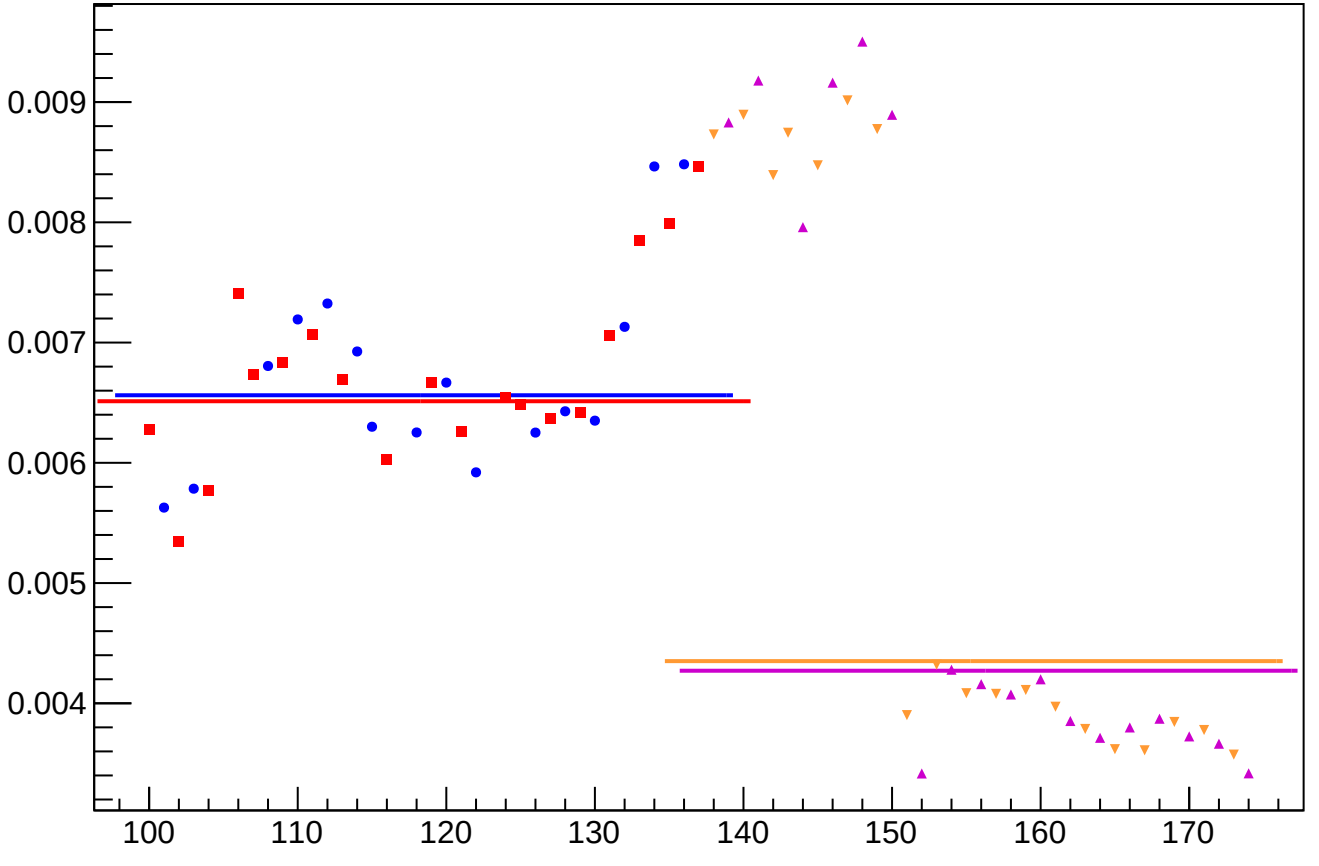
In: 0.002+/-0.000 χ^2/NDF:2582526.4/33

Out: 0.002+/-0.000 χ^2/NDF:2683195.0/37

All: 0.002+/-0.000 χ^2/NDF: 5266356.3/71


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: -1.888+/-0.000 χ²/NDF:27410690409.2/18
Right Out: -2.291+/-0.000 χ²/NDF: 6831007568.9/18
Left In: -1.897+/-0.000 χ²/NDF:43347536440.0/17
Left: -1.893+/-0.000 χ²/NDF: 70785762231.6/36
Right: -2.295+/-0.000 χ²/NDF: 12964639512.9/34
In: -1.972+/-0.000 χ²/NDF:70597741382.9/33
Out: -1.967+/-0.000 χ²/NDF:56128670175.0/37
All: -1.969+/-0.000 χ²/NDF: 126735587402.2

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 221890.3/15

Left Out: 0.004+/-0.000 χ^2/NDF:2933137.0/18

Right Out: 0.007+/-0.000 χ^2/NDF: 184961.7/18

Left In: 0.004+/-0.000 χ^2/NDF:3079222.6/17

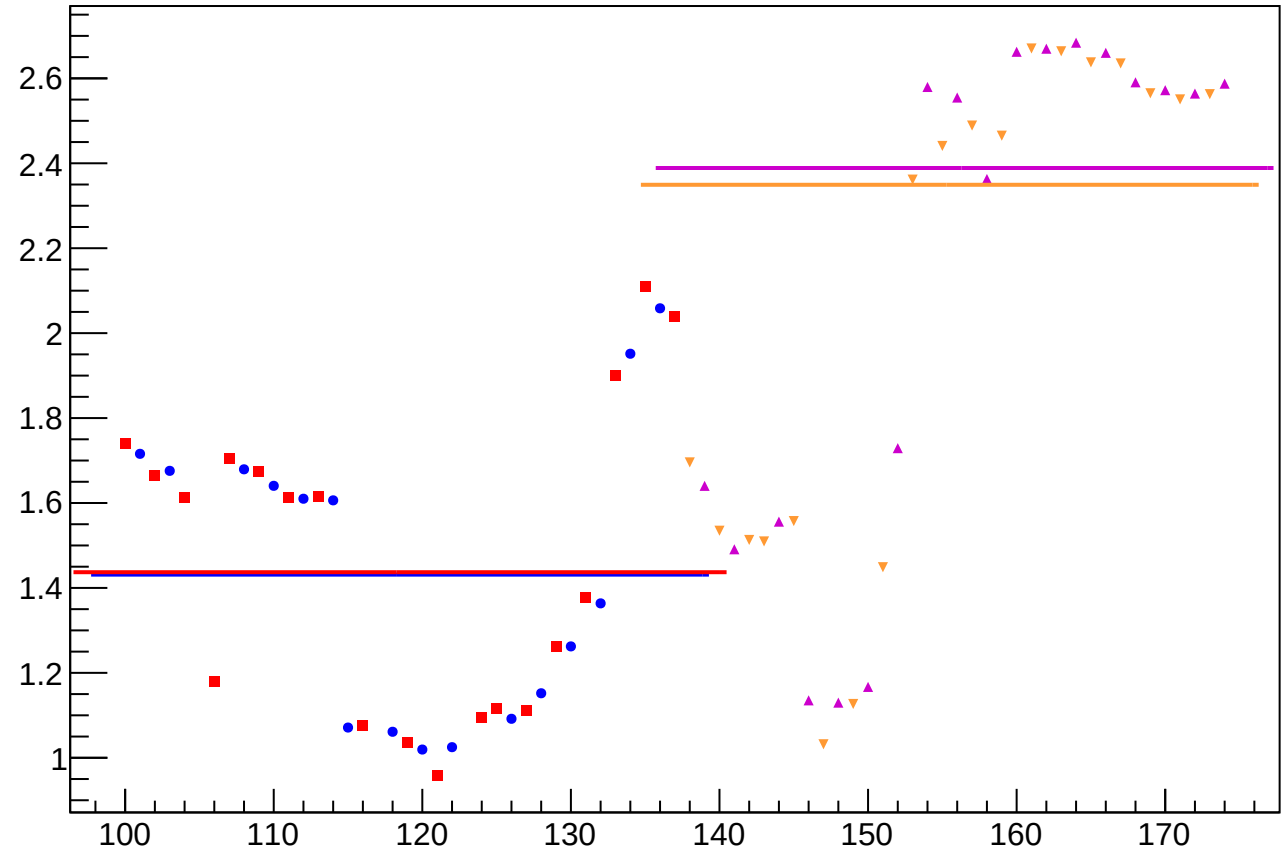
Left: 0.004+/-0.000 χ^2/NDF: 6016786.4/36

Right: 0.007+/-0.000 χ^2/NDF: 407258.0/34

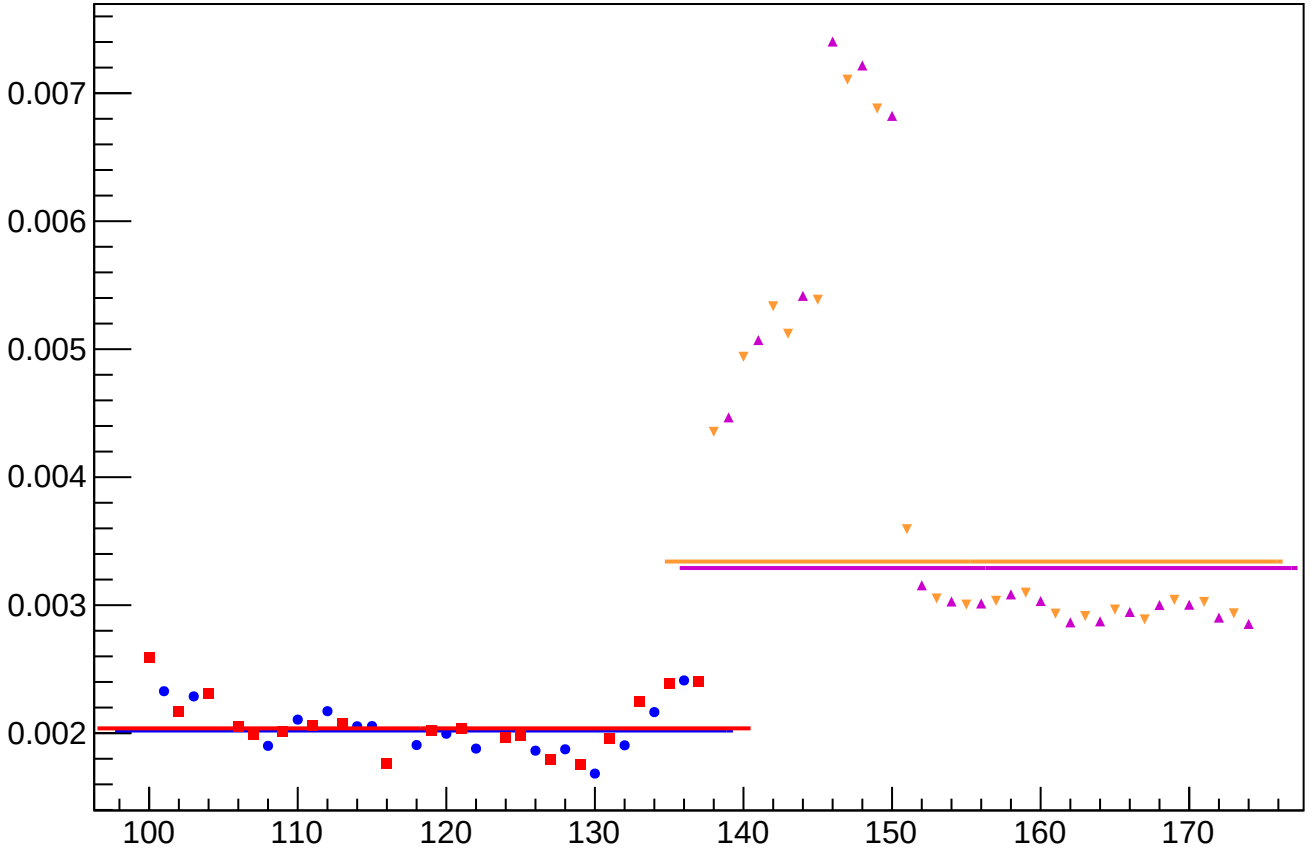
In: 0.005+/-0.000 χ^2/NDF:4674344.4/33

Out: 0.005+/-0.000 χ^2/NDF:4375628.0/37

All: 0.005+/-0.000 χ^2/NDF: 9055092.9/71


yield_bpm0i01aY_mean vs Slug, Sign Corrected
2.6
2.4
2.2
2
1.8
1.6
1.4
1.2
1
100
110
120
130
140
150
160
170
Right In: 1.431+/-0.000 χ²/NDF: 189180734956.1/15
Left Out: 2.349+/-0.000 χ²/NDF:220395318059.4/18
Right Out: 1.437+/-0.000 χ²/NDF: 182019221175.5/18
Left In: 2.389+/-0.000 χ²/NDF:214961474843.1/17
Left: 2.369+/-0.000 χ²/NDF: 436286727505.3/36
Right: 1.434+/-0.000 χ²/NDF: 371226177704.8/34
In: 1.837+/-0.000 χ²/NDF:1036410797630.7/33
Out: 1.821+/-0.000 χ²/NDF:973498050826.1/37
All: 1.829+/-0.000 χ²/NDF: 2010305270328.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 154923.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:1735332.0/18

Right Out: 0.002+/-0.000 χ^2/NDF: 113640.4/18

Left In: 0.003+/-0.000 χ^2/NDF:2012956.0/17

Left: 0.003+/-0.000 χ^2/NDF: 3751349.9/36

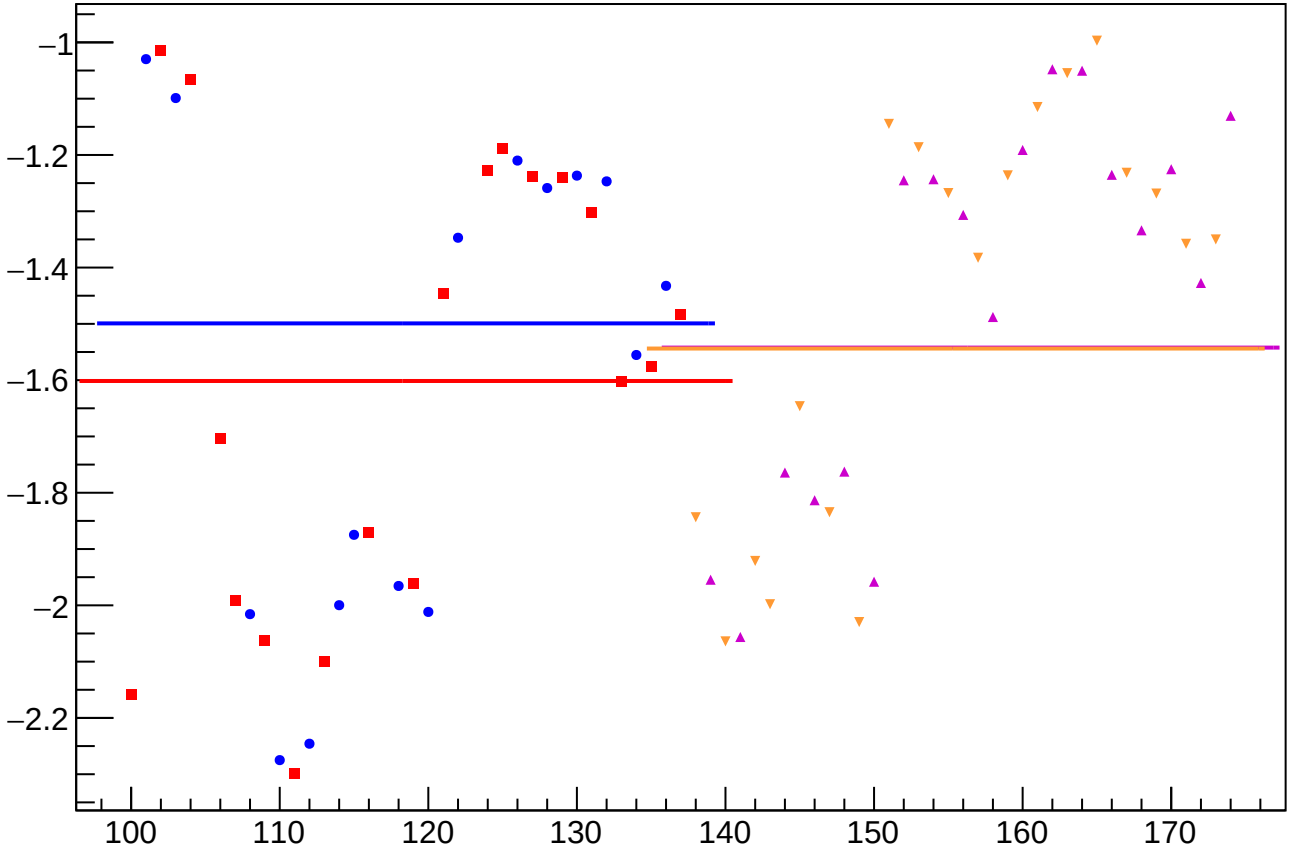
Right: 0.002+/-0.000 χ^2/NDF: 269026.9/34

In: 0.003+/-0.000 χ^2/NDF:4390670.6/33

Out: 0.003+/-0.000 χ^2/NDF:4180001.5/37

All: 0.003+/-0.000 χ^2/NDF: 8572658.1/71

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.499+/-0.000 χ^2/NDF: 22930357522.2/15

Left Out: -1.544+/-0.000 χ^2/NDF:41591827084.9/18

Right Out: -1.601+/-0.000 χ^2/NDF: 28324914147.6/18

Left In: -1.542+/-0.000 χ^2/NDF:33946044169.1/17

Left: -1.543+/-0.000 χ^2/NDF: 75538290012.2/36

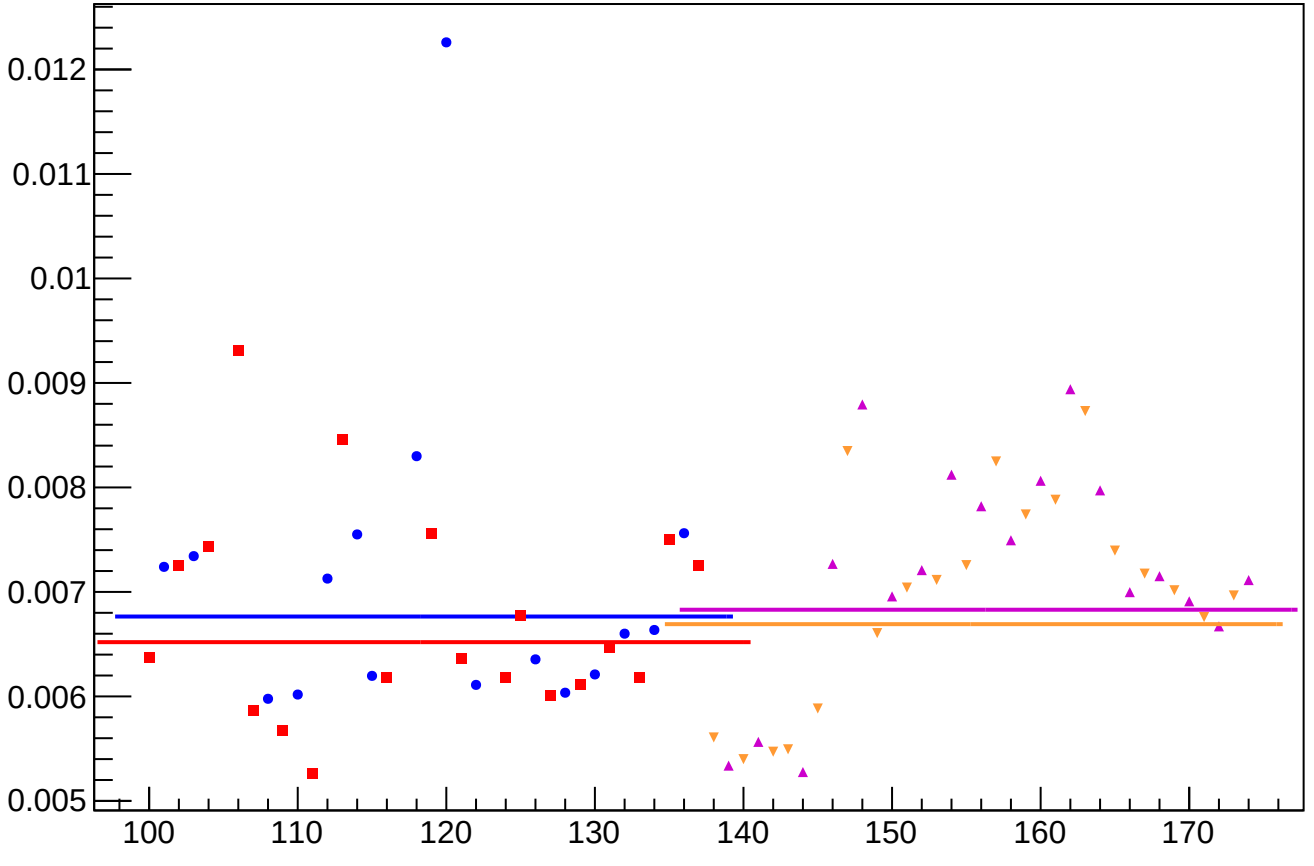
Right: -1.554+/-0.000 χ^2/NDF: 52047267484.5/34

In: -1.528+/-0.000 χ^2/NDF:57053236012.1/33

Out: -1.564+/-0.000 χ^2/NDF:70270961026.0/37

All: -1.547+/-0.000 χ^2/NDF: 127608882079.4

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:601255.7/18

Right Out: 0.007+/-0.000 χ^2/NDF: 245428.1/18

Left In: 0.007+/-0.000 χ^2/NDF:682256.7/17

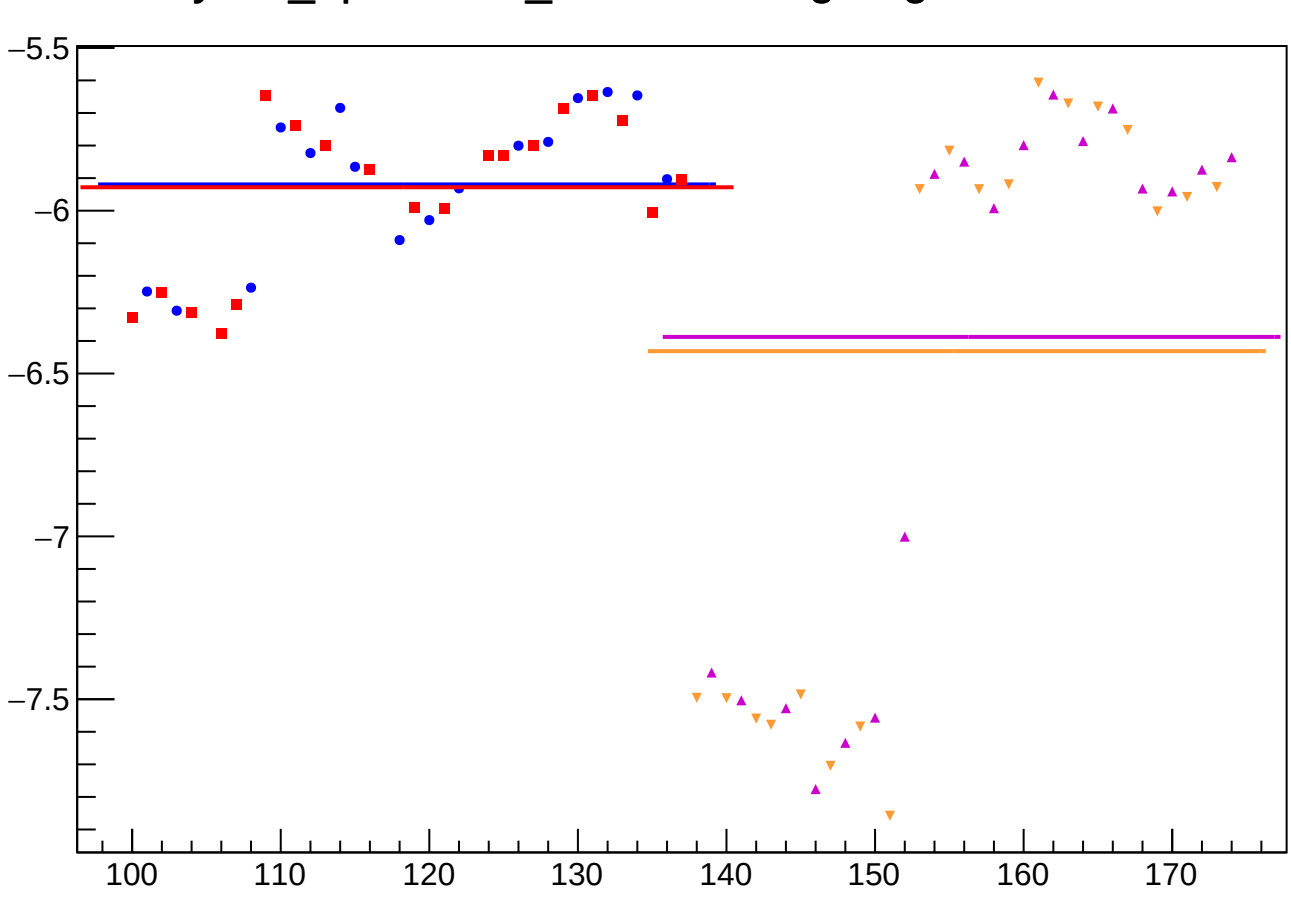
Left: 0.007+/-0.000 χ^2/NDF: 1289267.8/36

Right: 0.007+/-0.000 χ^2/NDF: 493094.9/34

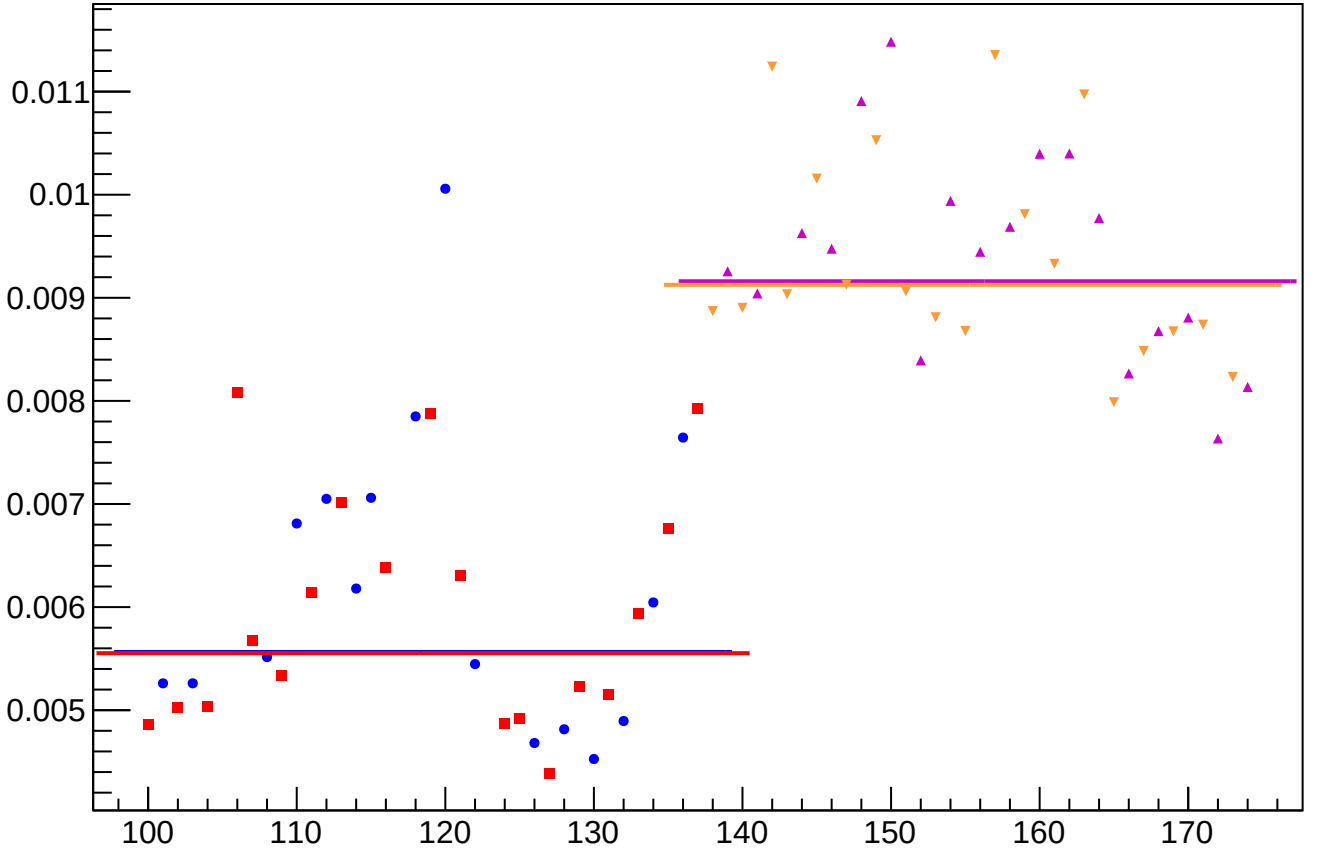
In: 0.007+/-0.000 χ^2/NDF:921631.2/33

Out: 0.007+/-0.000 χ^2/NDF:853009.3/37

All: 0.007+/-0.000 χ^2/NDF: 1788672.4/71


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
110
120
130
140
150
160
170
Right In: -5.919+/-0.000 χ²/NDF: 11742457053.3/15
Left Out: -6.431+/-0.000 χ²/NDF:103435593401.8/18
Right Out: -5.928+/-0.000 χ²/NDF: 12641528579.2/18
Left In: -6.388+/-0.000 χ²/NDF:87348461577.1/17
Left: -6.409+/-0.000 χ²/NDF: 190922982470.1/36
Right: -5.924+/-0.000 χ²/NDF: 24391751979.3/34
In: -6.118+/-0.000 χ²/NDF:117470661292.4/33
Out: -6.134+/-0.000 χ²/NDF:137919556605.2/37
All: -6.126+/-0.000 χ²/NDF: 255438920429.9

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 495546.3/15

Left Out: 0.009+/-0.000 χ^2/NDF:219754.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 364541.1/18

Left In: 0.009+/-0.000 χ^2/NDF:273788.1/17

Left: 0.009+/-0.000 χ^2/NDF: 493715.7/36

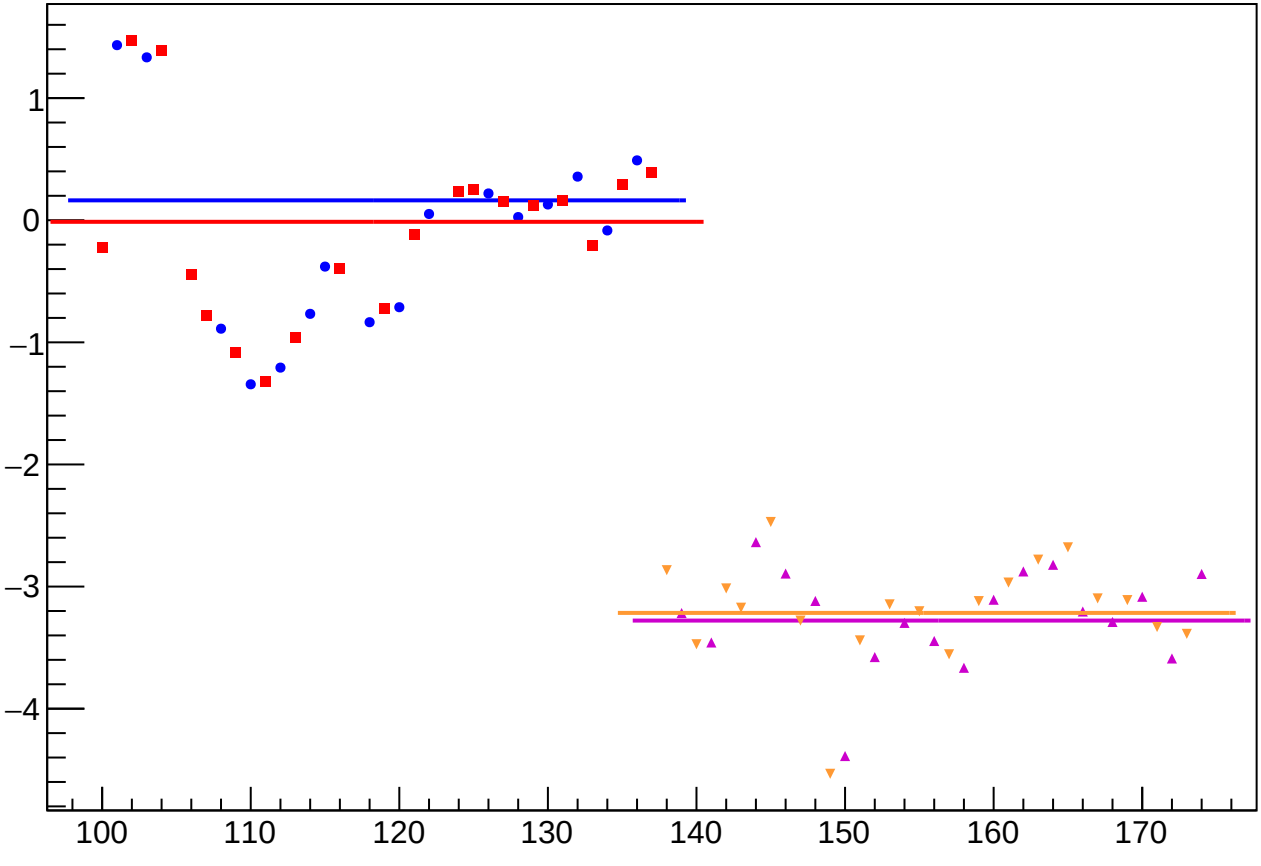
Right: 0.006+/-0.000 χ^2/NDF: 860112.8/34

In: 0.007+/-0.000 χ^2/NDF:2937980.2/33

Out: 0.007+/-0.000 χ^2/NDF:2787119.4/37

All: 0.007+/-0.000 χ^2/NDF: 5726788.5/71

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: 0.163+/-0.000 χ^2/NDF: 17940034444.3/15

Left Out: -3.216+/-0.000 χ^2/NDF:8279125889.5/18

Right Out: -0.013+/-0.000 χ^2/NDF: 22484002798.8/18

Left In: -3.278+/-0.000 χ^2/NDF:7195665519.3/17

Left: -3.247+/-0.000 χ^2/NDF: 15569328277.1/36

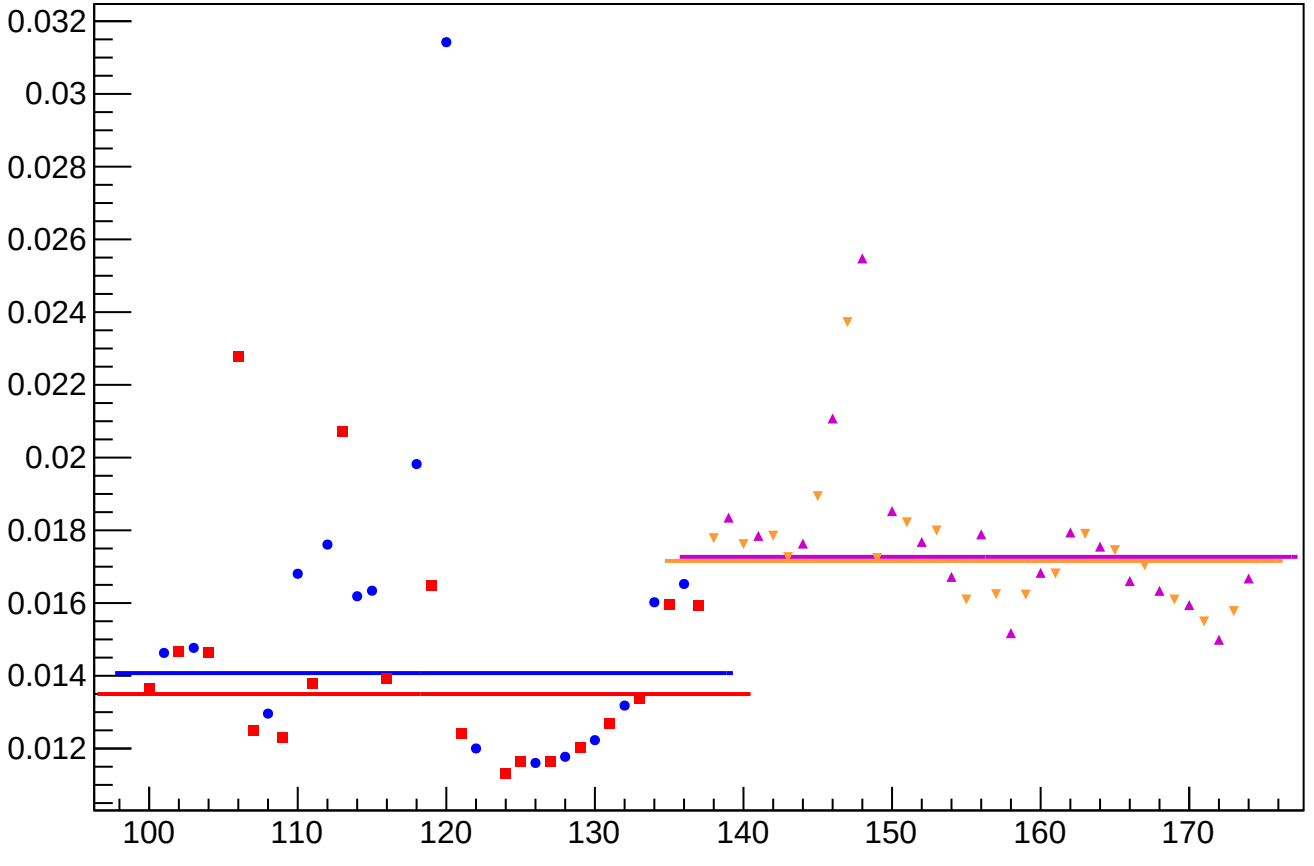
Right: 0.068+/-0.000 χ^2/NDF: 40953433371.5/34

In: -1.895+/-0.000 χ^2/NDF:250511755719.9/33

Out: -1.827+/-0.000 χ^2/NDF:246744578994.3/37

All: -1.859+/-0.000 χ^2/NDF: 497446325861.2

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 465421.6/15

Left Out: 0.017+/-0.000 χ^2/NDF:199617.1/18

Right Out: 0.013+/-0.000 χ^2/NDF: 314810.3/18

Left In: 0.017+/-0.000 χ^2/NDF:322211.2/17

Left: 0.017+/-0.000 χ^2/NDF: 522417.3/36

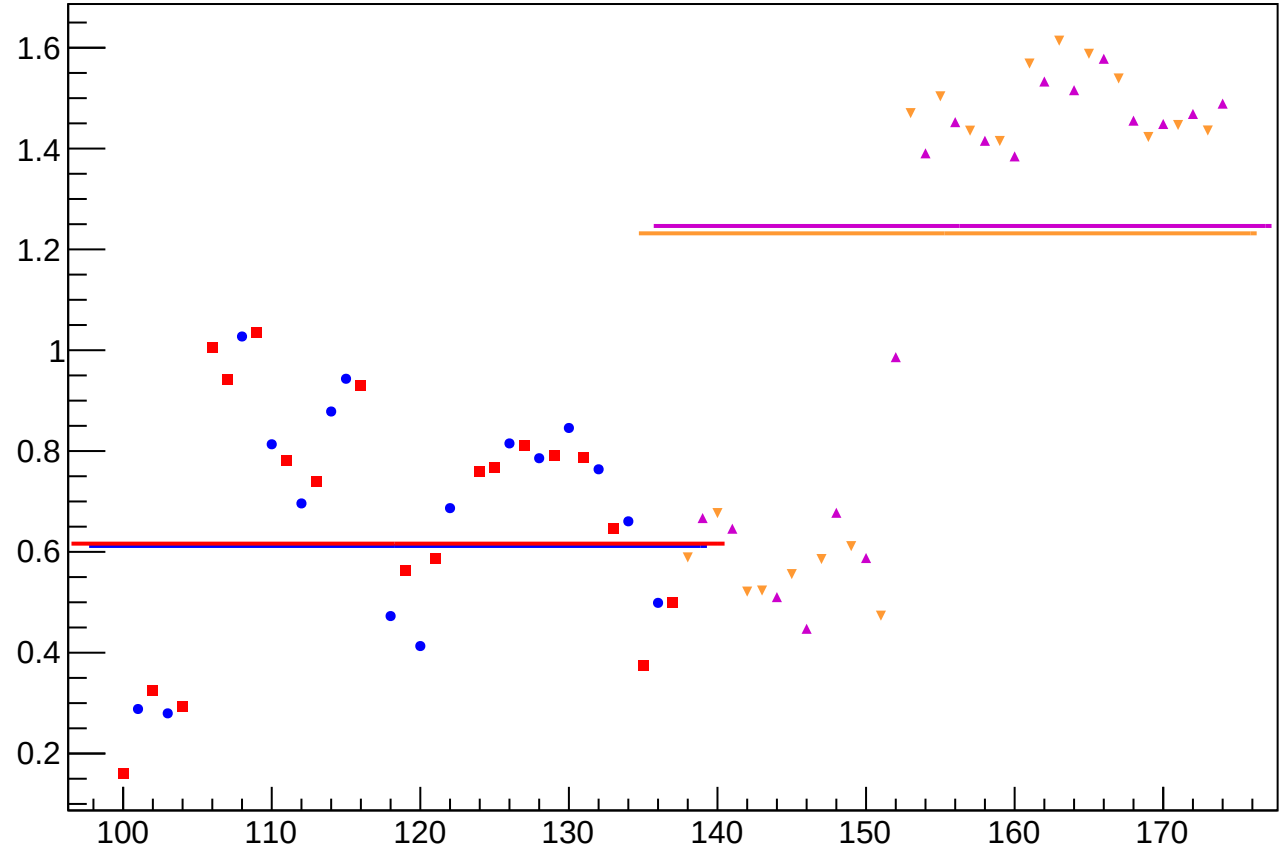
Right: 0.014+/-0.000 χ^2/NDF: 791602.0/34

In: 0.016+/-0.000 χ^2/NDF:1176419.9/33

Out: 0.016+/-0.000 χ^2/NDF:1078807.5/37

All: 0.016+/-0.000 χ^2/NDF: 2269288.7/71

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 5639014502.0/15

Left Out: 1.232+/-0.000 χ^2/NDF:43990414383.0/18

Right Out: 0.616+/-0.000 χ^2/NDF: 6419512040.7/18

Left In: 1.246+/-0.000 χ^2/NDF:36899880643.2/17

Left: 1.239+/-0.000 χ^2/NDF: 80919287740.5/36

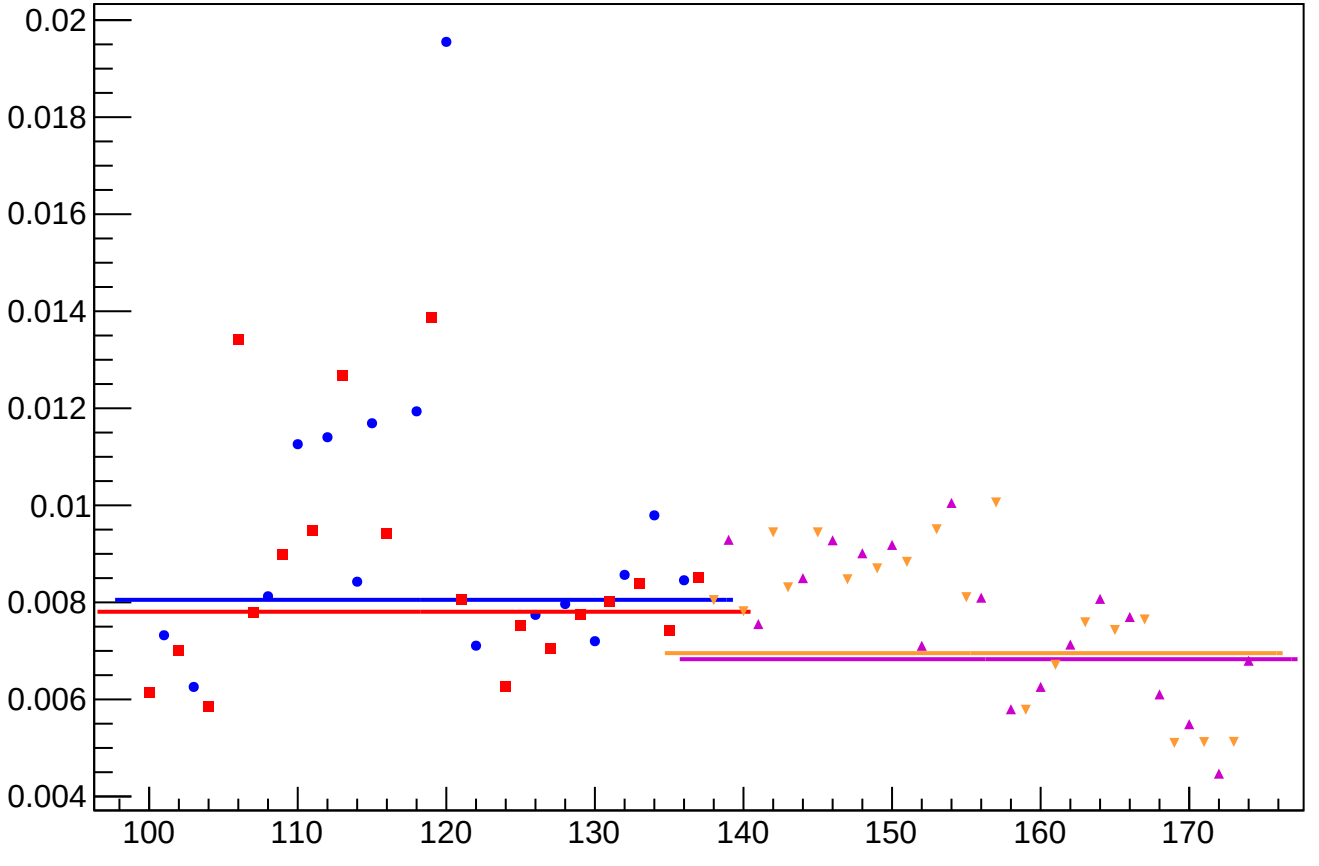
Right: 0.614+/-0.000 χ^2/NDF: 12059563453.6/34

In: 1.085+/-0.000 χ^2/NDF:70928208791.7/33

Out: 1.057+/-0.000 χ^2/NDF:78969150643.7/37

All: 1.071+/-0.000 χ^2/NDF: 150041464728.5

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 598309.5/15

Left Out: 0.007+/-0.000 χ^2/NDF:1388016.6/18

Right Out: 0.008+/-0.000 χ^2/NDF: 587157.2/18

Left In: 0.007+/-0.000 χ^2/NDF:1362862.5/17

Left: 0.007+/-0.000 χ^2/NDF: 2755103.6/36

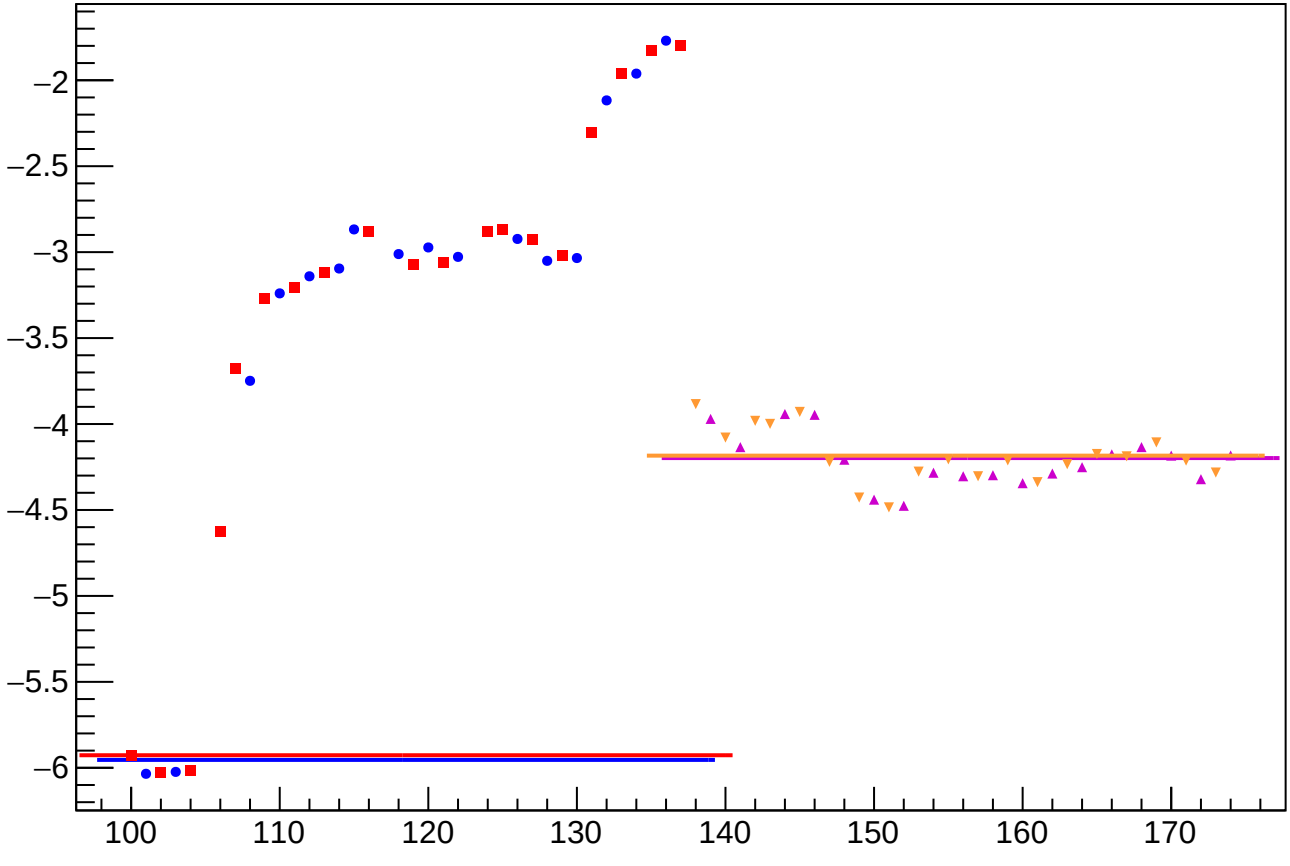
Right: 0.008+/-0.000 χ^2/NDF: 1191469.8/34

In: 0.007+/-0.000 χ^2/NDF:2172147.8/33

Out: 0.007+/-0.000 χ^2/NDF:2084912.0/37

All: 0.007+/-0.000 χ^2/NDF: 4258214.5/71

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -5.954+/-0.000 χ^2/NDF: 13099475661.5/15

Left Out: -4.184+/-0.000 χ^2/NDF:53845180.4/18

Right Out: -5.927+/-0.000 χ^2/NDF: 13922819741.5/18

Left In: -4.198+/-0.000 χ^2/NDF:41515018.8/17

Left: -4.191+/-0.000 χ^2/NDF: 95548494.7/36

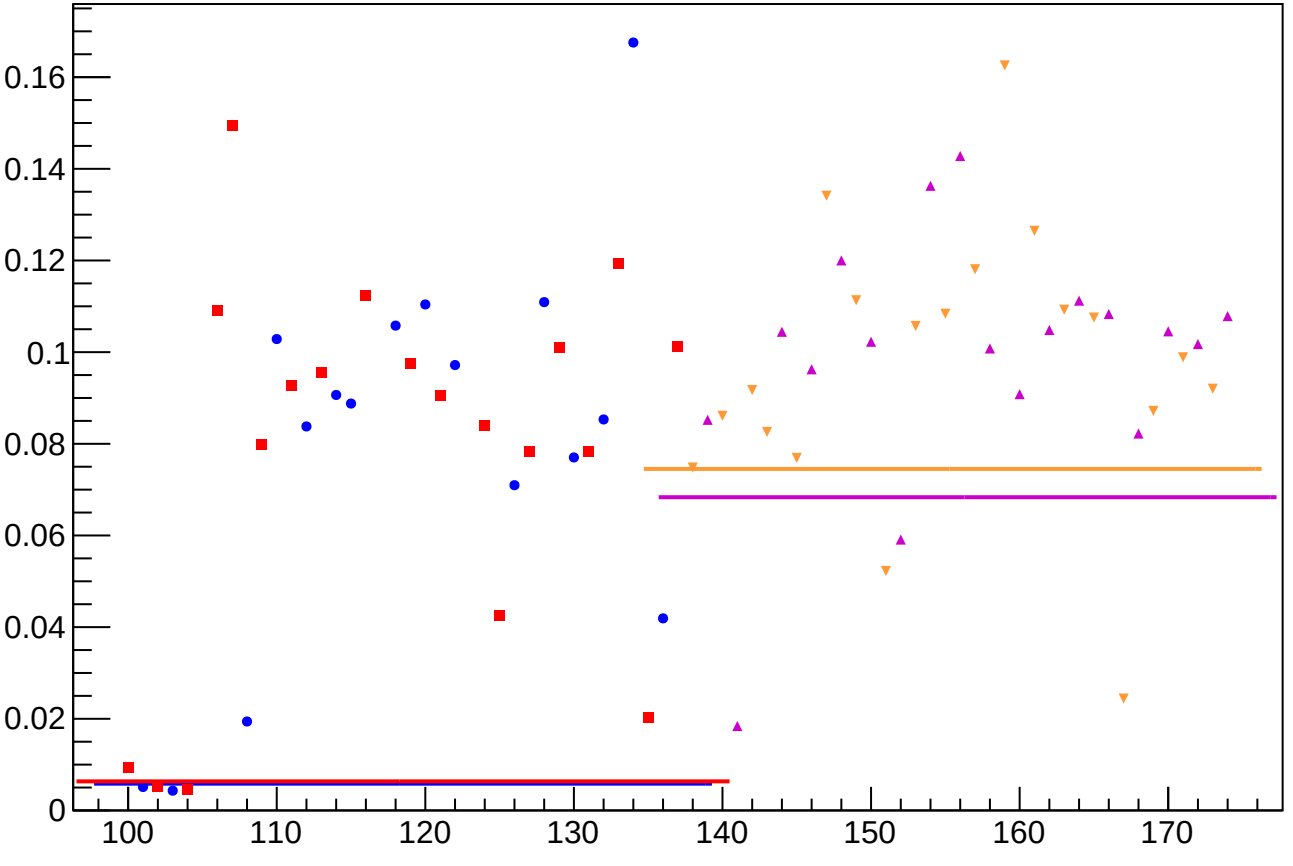
Right: -5.942+/-0.000 χ^2/NDF: 27039435928.9/34

In: -5.891+/-0.000 χ^2/NDF:18822341287.5/33

Out: -5.854+/-0.000 χ^2/NDF:19382243226.9/37

All: -5.874+/-0.000 χ^2/NDF: 38238997405.4/

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8700553.3/15

Left Out: 0.075+/-0.000 χ^2/NDF:4396716.8/18

Right Out: 0.006+/-0.000 χ^2/NDF: 8751831.3/18

Left In: 0.068+/-0.000 χ^2/NDF:6281390.4/17

Left: 0.071+/-0.000 χ^2/NDF: 10749884.9/36

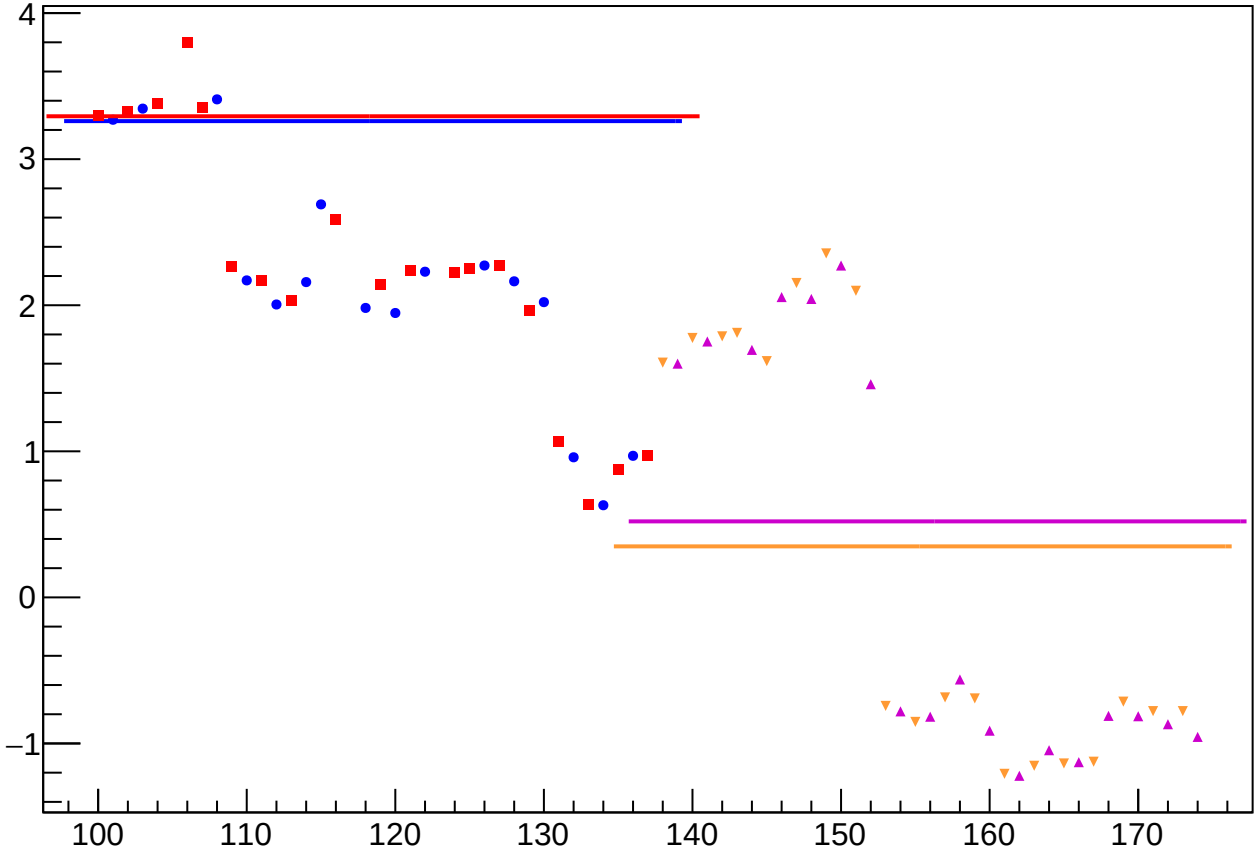
Right: 0.006+/-0.000 χ^2/NDF: 17464019.8/34

In: 0.008+/-0.000 χ^2/NDF:29377853.0/33

Out: 0.009+/-0.000 χ^2/NDF:29688980.5/37

All: 0.009+/-0.000 χ^2/NDF: 59129067.6/71

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 3.260+/-0.000 χ^2/NDF: 3009624113.9/15

Left Out: 0.349+/-0.000 χ^2/NDF:3143275395.4/18

Right Out: 3.294+/-0.000 χ^2/NDF: 3243748149.8/18

Left In: 0.520+/-0.000 χ^2/NDF:2496618126.8/17

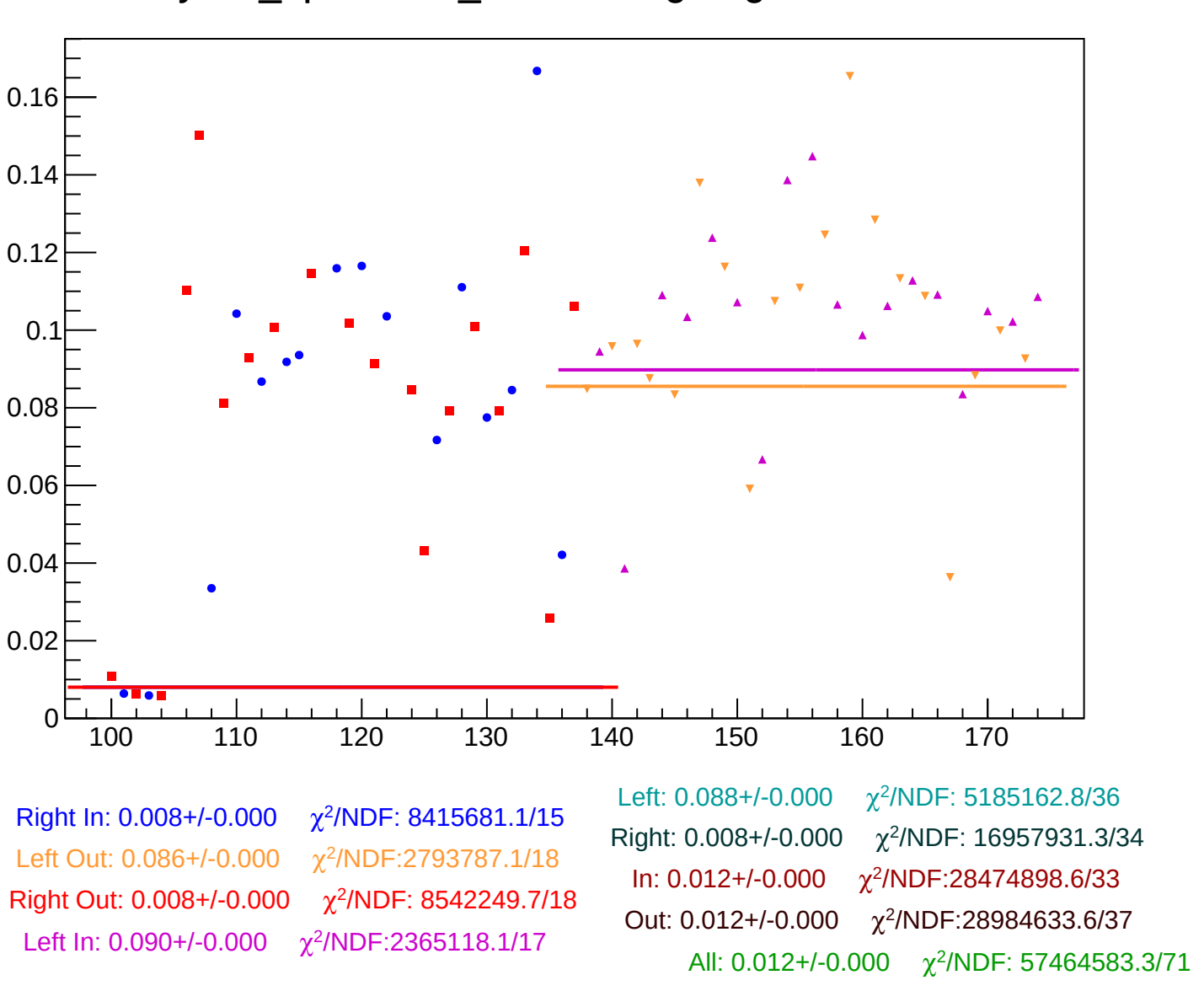
Left: 0.430+/-0.000 χ^2/NDF: 5661271683.3/36

Right: 3.277+/-0.000 χ^2/NDF: 6269939296.1/34

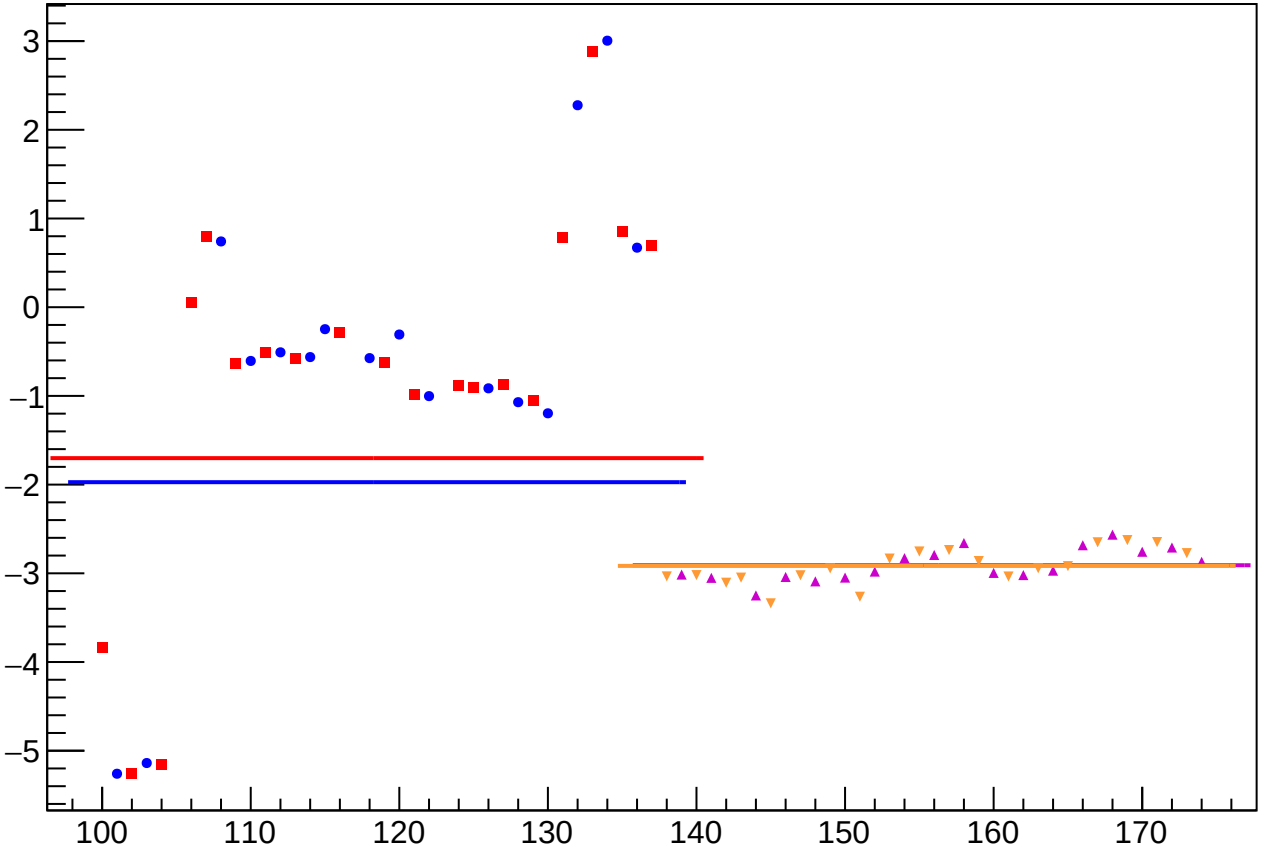
In: 3.144+/-0.000 χ^2/NDF:15447848681.7/33

Out: 3.146+/-0.000 χ^2/NDF:19122641896.2/37

All: 3.145+/-0.000 χ^2/NDF: 34570570031.6/7


yield_bpm0l03Y_rms vs Slug, Sign Corrected
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.008+/-0.000 χ²/NDF: 8415681.1/15
Left Out: 0.086+/-0.000 χ²/NDF:2793787.1/18
Right Out: 0.008+/-0.000 χ²/NDF: 8542249.7/18
Left In: 0.090+/-0.000 χ²/NDF:2365118.1/17
Left: 0.088+/-0.000 χ²/NDF: 5185162.8/36
Right: 0.008+/-0.000 χ²/NDF: 16957931.3/34
In: 0.012+/-0.000 χ²/NDF:28474898.6/33
Out: 0.012+/-0.000 χ²/NDF:28984633.6/37
All: 0.012+/-0.000 χ²/NDF: 57464583.3/71

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.973+/-0.000 χ^2/NDF: 161975701237.3/15

Left Out: -2.916+/-0.000 χ^2/NDF:8834015355.2/18

Right Out: -1.702+/-0.000 χ^2/NDF: 168156981746.0/18

Left In: -2.909+/-0.000 χ^2/NDF:7199169642.6/17

Left: -2.913+/-0.000 χ^2/NDF: 16038887382.1/36

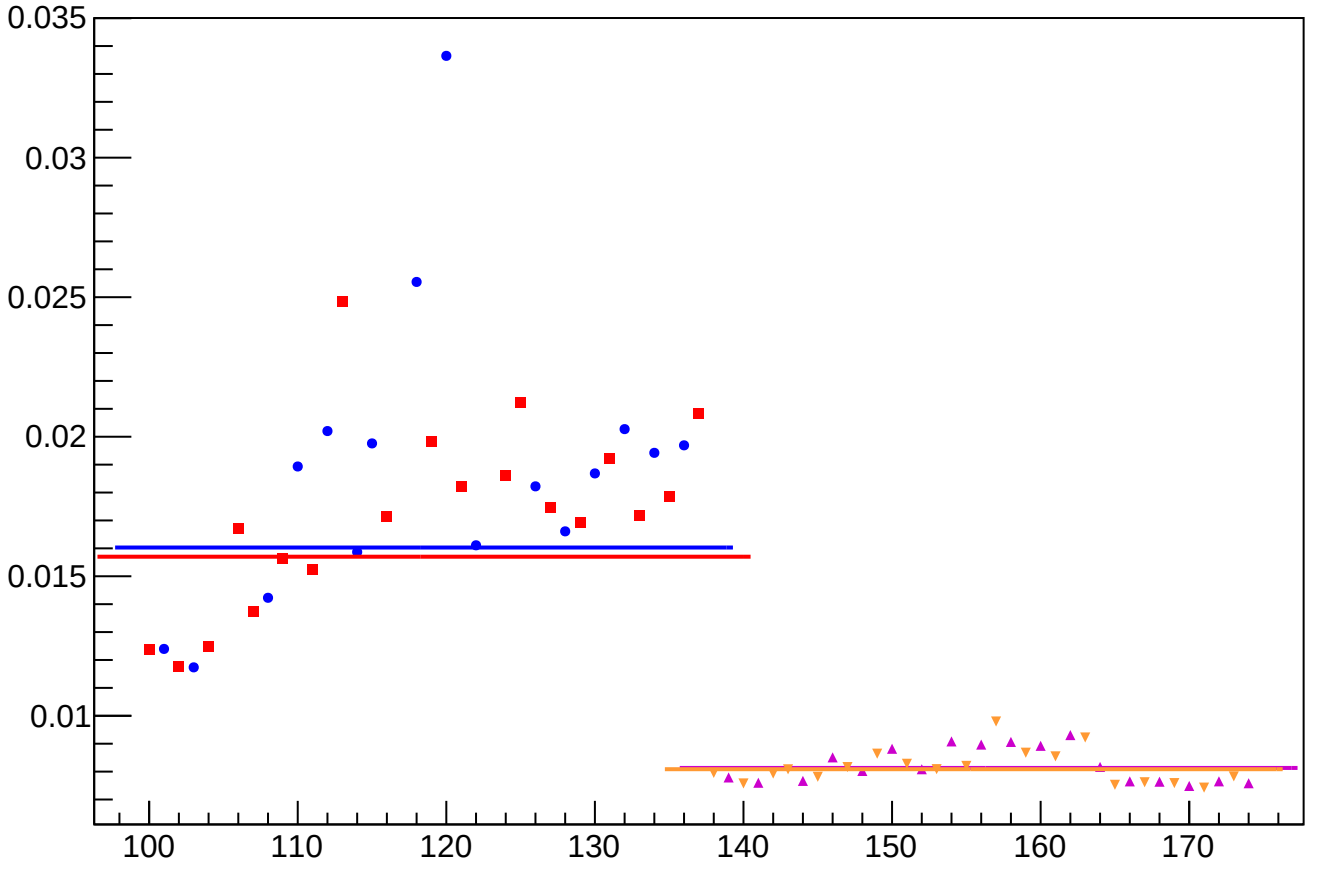
Right: -1.828+/-0.000 χ^2/NDF: 331019535290.3/34

In: -2.819+/-0.000 χ^2/NDF:187129921091.3/33

Out: -2.787+/-0.000 χ^2/NDF:211061298274.6/37

All: -2.803+/-0.000 χ^2/NDF: 398312102673.3

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 735736.8/15

Left Out: 0.008+/-0.000 χ^2/NDF:133080.8/18

Right Out: 0.016+/-0.000 χ^2/NDF: 504766.0/18

Left In: 0.008+/-0.000 χ^2/NDF:155044.4/17

Left: 0.008+/-0.000 χ^2/NDF: 288562.6/36

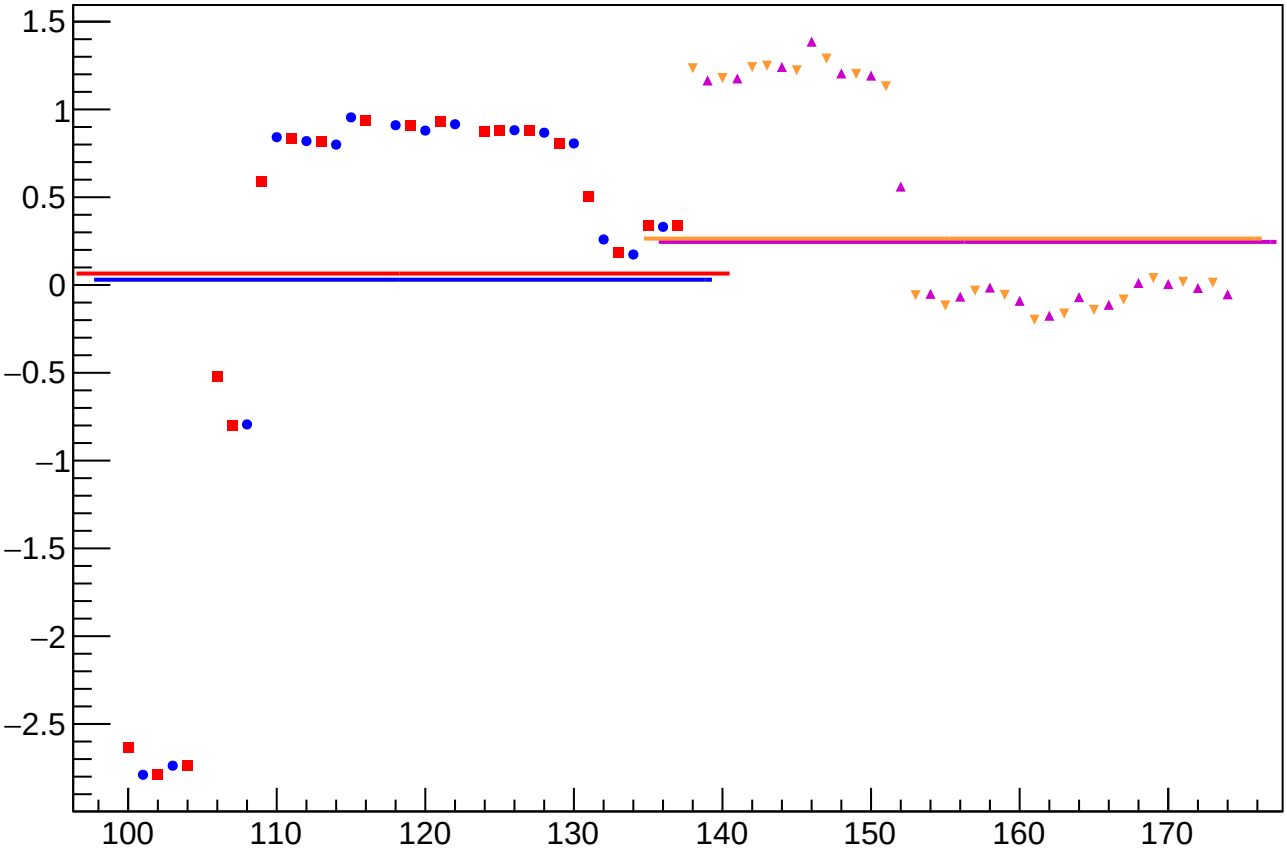
Right: 0.016+/-0.000 χ^2/NDF: 1243118.0/34

In: 0.009+/-0.000 χ^2/NDF:3446376.2/33

Out: 0.009+/-0.000 χ^2/NDF:3315732.6/37

All: 0.009+/-0.000 χ^2/NDF: 6762114.9/71

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF: 851677270962.0/15

Left Out: 0.264+/-0.000 χ^2/NDF:99001125361.5/18

Right Out: 0.065+/-0.000 χ^2/NDF: 935478930138.7/18

Left In: 0.245+/-0.000 χ^2/NDF:85002177144.5/17

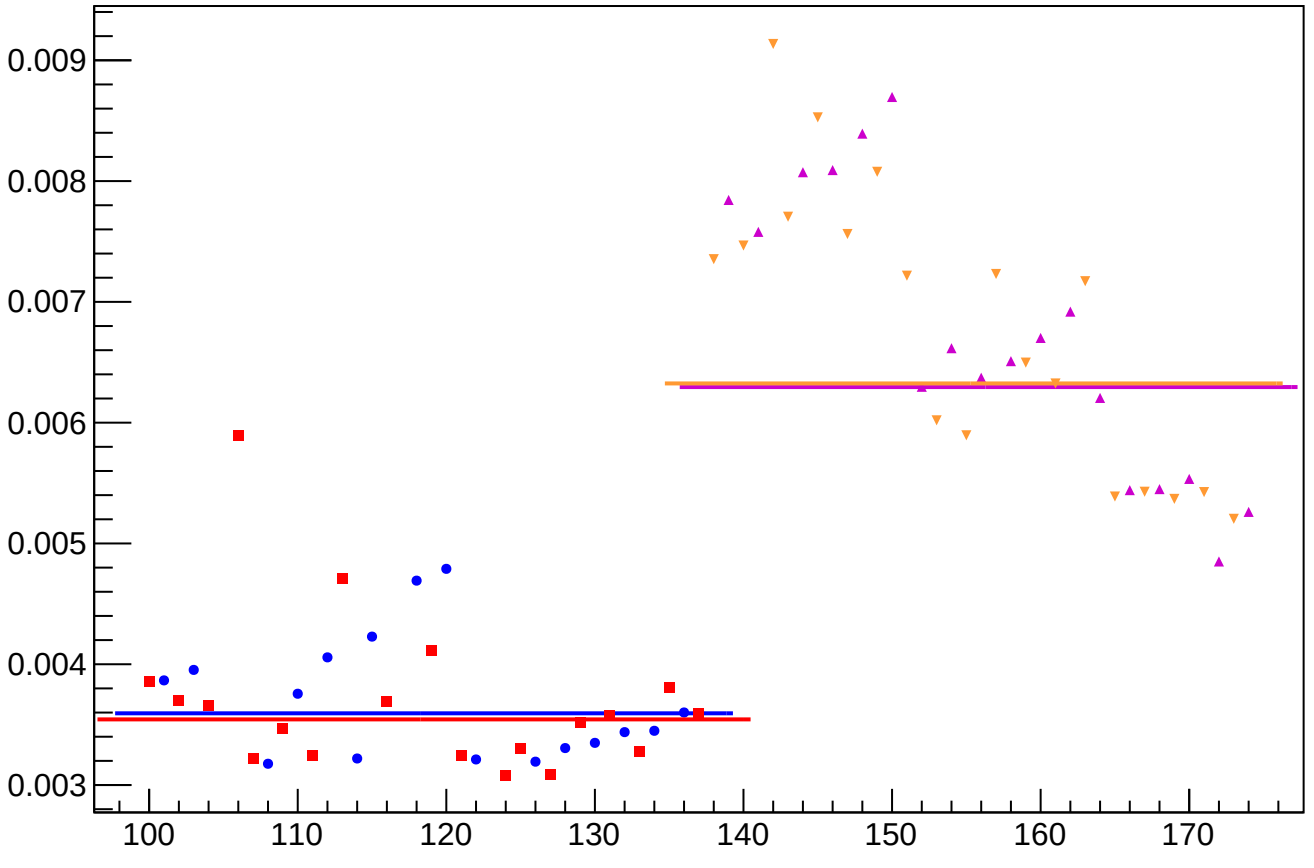
Left: 0.255+/-0.000 χ^2/NDF: 184059663555.2/36

Right: 0.048+/-0.000 χ^2/NDF: 1787488269945.7/34

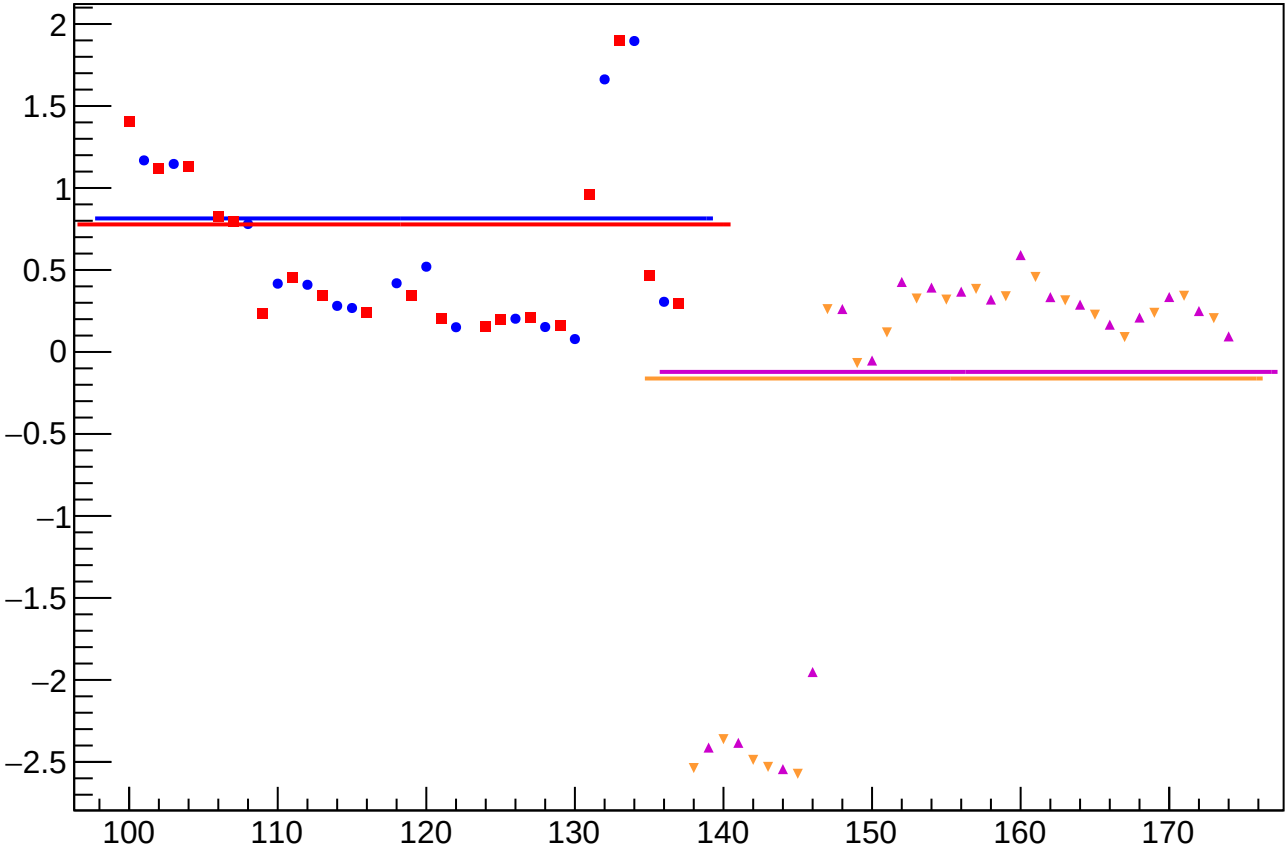
In: 0.112+/-0.000 χ^2/NDF:945831810265.8/33

Out: 0.137+/-0.000 χ^2/NDF:1042477368215.6/37

All: 0.125+/-0.000 χ^2/NDF: 1988582977165.


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:663475.9/18
Right Out: 0.004+/-0.000 χ²/NDF: 224729.1/18
Left In: 0.006+/-0.000 χ²/NDF:757860.1/17
Left: 0.006+/-0.000 χ²/NDF: 1421622.9/36
Right: 0.004+/-0.000 χ²/NDF: 406509.3/34
In: 0.005+/-0.000 χ²/NDF:3820819.0/33
Out: 0.005+/-0.000 χ²/NDF:4012709.7/37
All: 0.005+/-0.000 χ²/NDF: 7837828.1/71

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.814+/-0.000 χ^2/NDF: 35412149008.2/15

Left Out: -0.162+/-0.000 χ^2/NDF:377324158615.9/18

Right Out: 0.778+/-0.000 χ^2/NDF: 34603328062.2/18

Left In: -0.122+/-0.000 χ^2/NDF:339336044900.4/17

Left: -0.142+/-0.000 χ^2/NDF: 716966468919.2/36

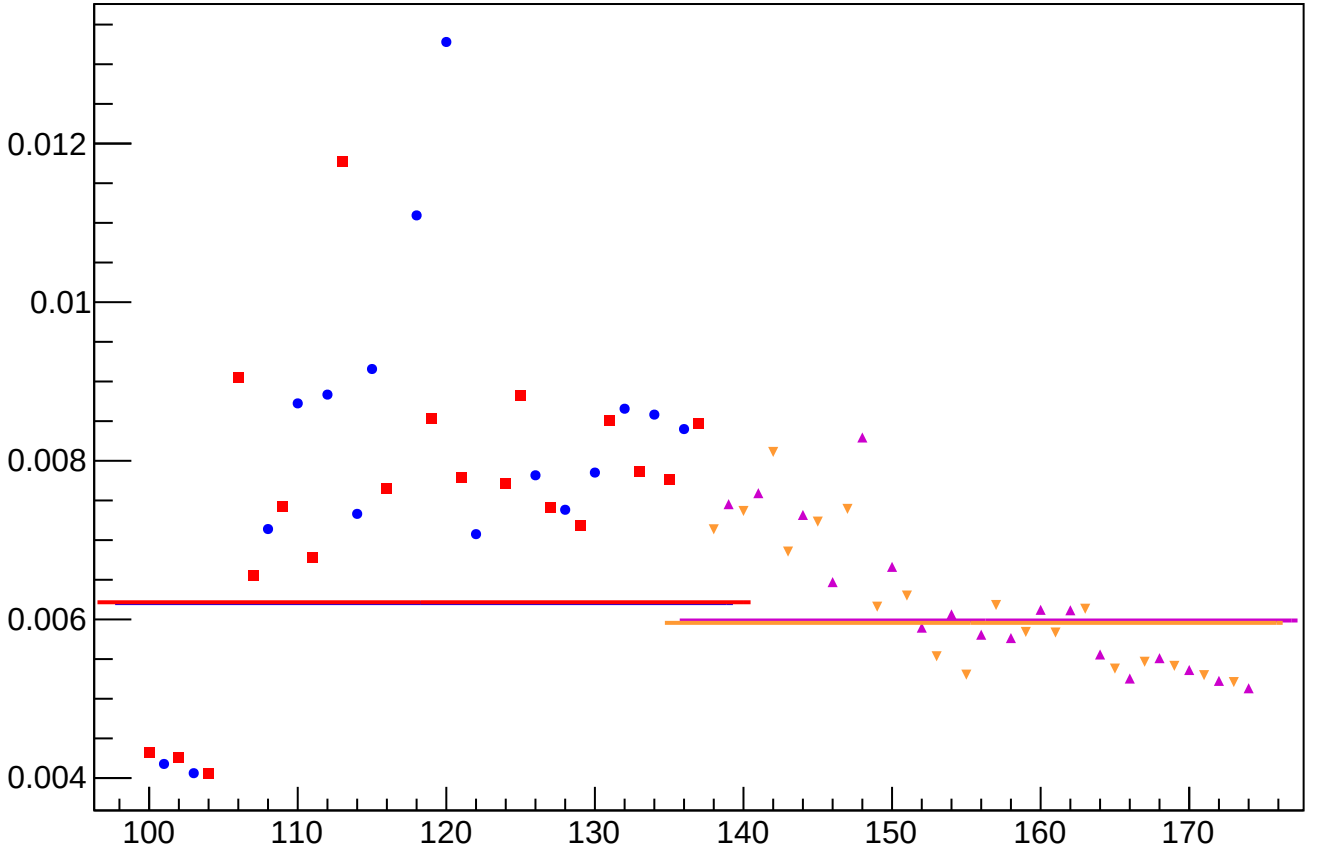
Right: 0.795+/-0.000 χ^2/NDF: 70115223181.3/34

In: 0.138+/-0.000 χ^2/NDF:466039759818.3/33

Out: 0.112+/-0.000 χ^2/NDF:509249739311.5/37

All: 0.125+/-0.000 χ^2/NDF: 975478310812.3

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:398874.5/18

Right Out: 0.006+/-0.000 χ^2/NDF: 1161117.9/18

Left In: 0.006+/-0.000 χ^2/NDF:463575.9/17

Left: 0.006+/-0.000 χ^2/NDF: 862780.6/36

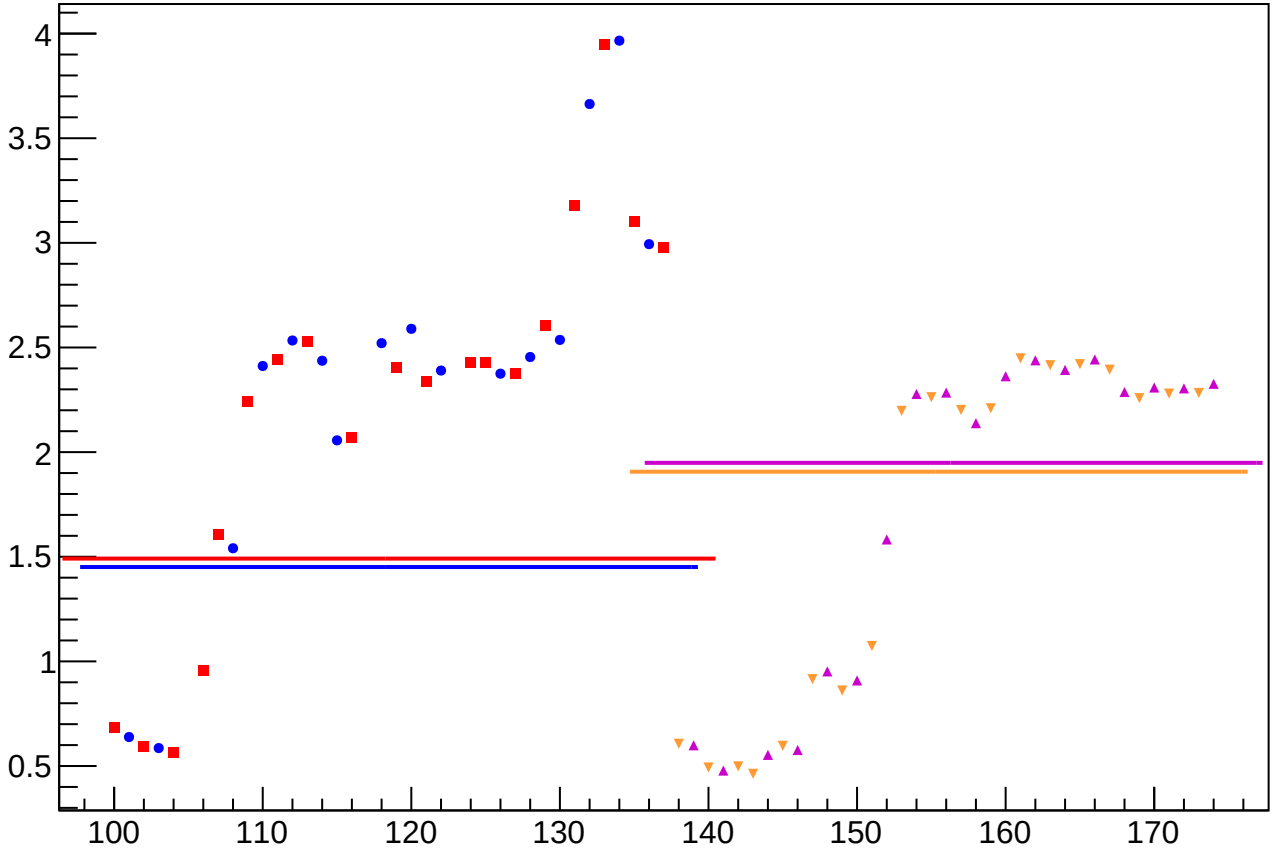
Right: 0.006+/-0.000 χ^2/NDF: 2585020.0/34

In: 0.006+/-0.000 χ^2/NDF:1897513.2/33

Out: 0.006+/-0.000 χ^2/NDF:1574838.1/37

All: 0.006+/-0.000 χ^2/NDF: 3472470.7/71

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 1.451+/-0.000 χ^2/NDF: 169635774704.4/15

Left Out: 1.906+/-0.000 χ^2/NDF:204383083337.6/18

Right Out: 1.491+/-0.000 χ^2/NDF: 186952709821.0/18

Left In: 1.949+/-0.000 χ^2/NDF:183455924180.2/17

Left: 1.928+/-0.000 χ^2/NDF: 388205169786.1/36

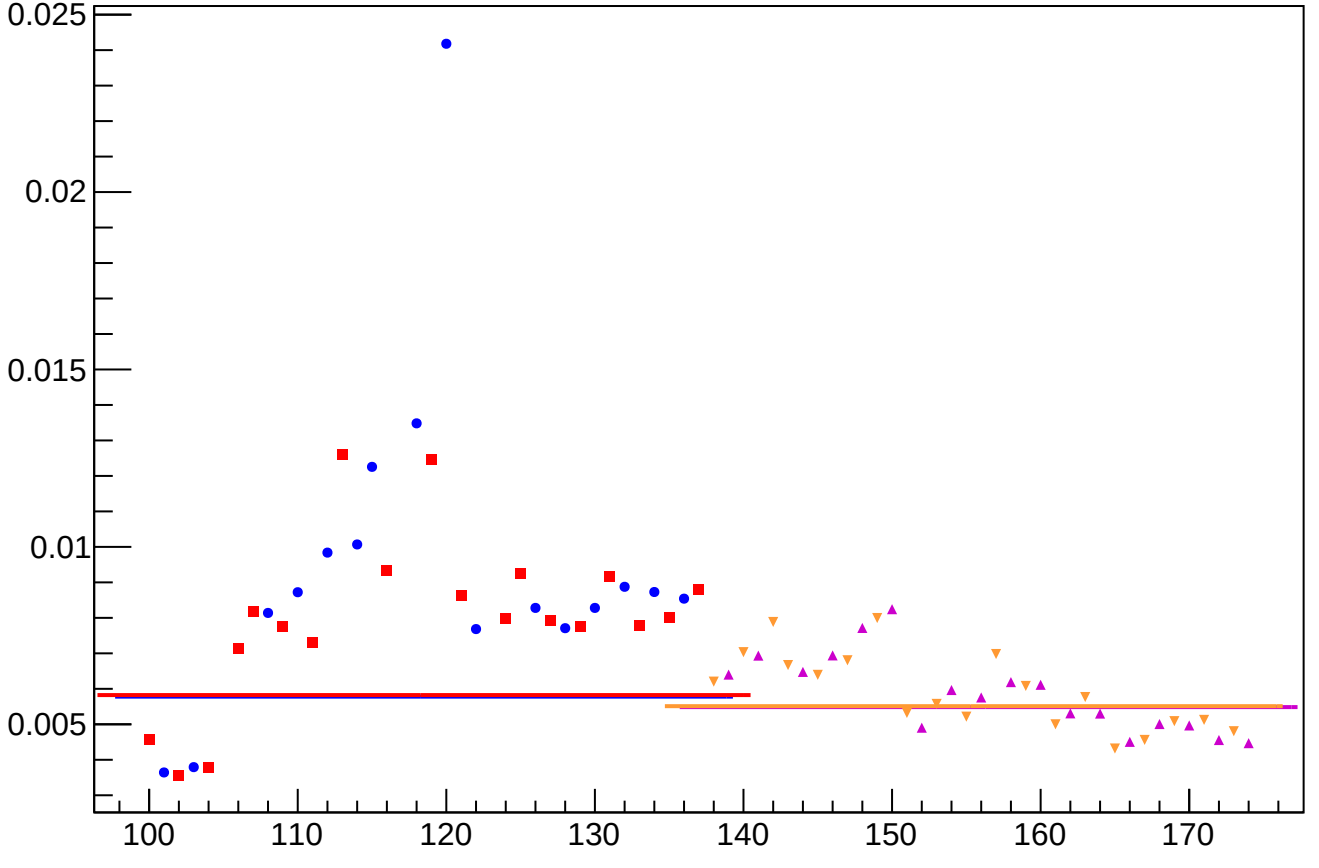
Right: 1.472+/-0.000 χ^2/NDF: 356714546192.4/34

In: 1.815+/-0.000 χ^2/NDF:380279016367.0/33

Out: 1.789+/-0.000 χ^2/NDF:411261640412.0/37

All: 1.802+/-0.000 χ^2/NDF: 791743434607.2

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:658955.7/18

Right Out: 0.006+/-0.000 χ^2/NDF: 1955751.4/18

Left In: 0.005+/-0.000 χ^2/NDF:741265.9/17

Left: 0.005+/-0.000 χ^2/NDF: 1400499.3/36

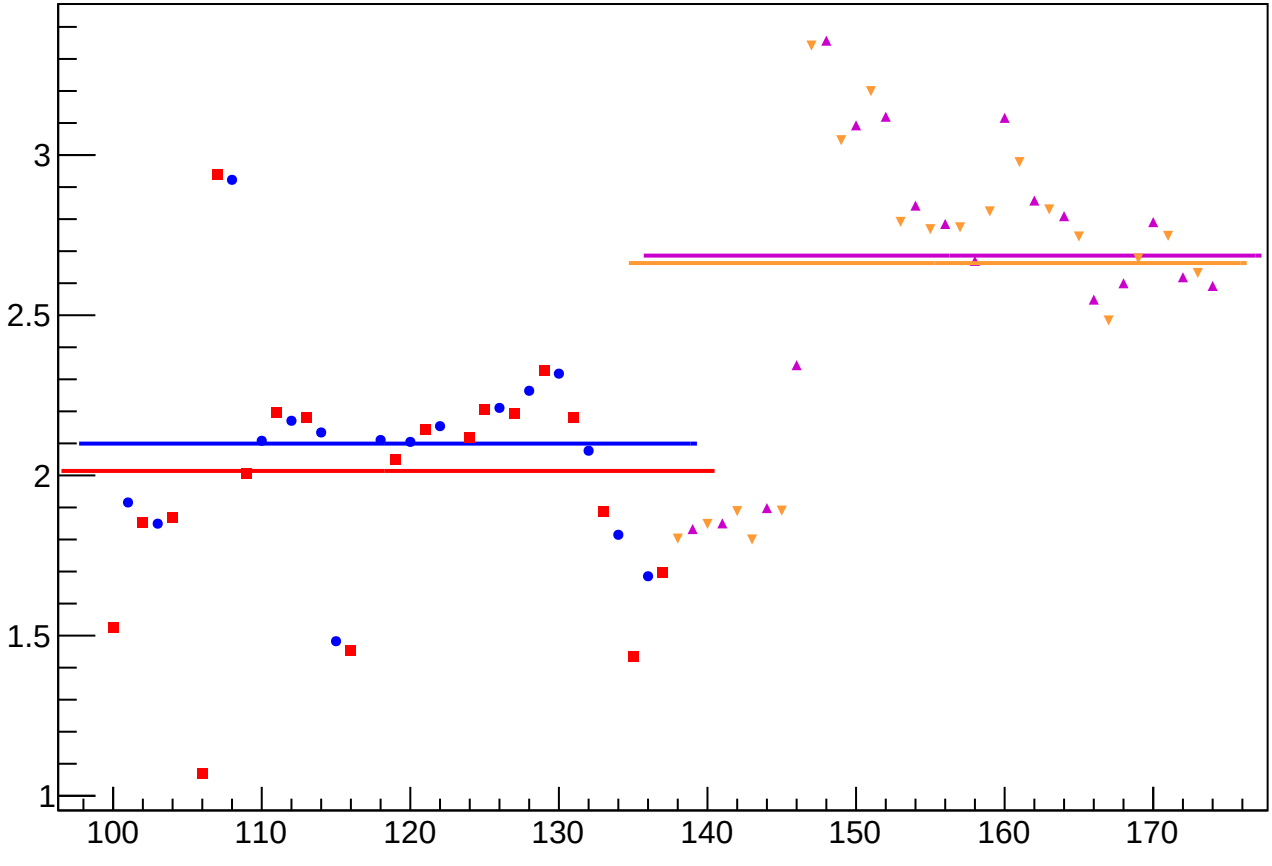
Right: 0.006+/-0.000 χ^2/NDF: 4169928.0/34

In: 0.006+/-0.000 χ^2/NDF:2974313.4/33

Out: 0.006+/-0.000 χ^2/NDF:2637318.8/37

All: 0.006+/-0.000 χ^2/NDF: 5612349.7/71

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 2.099+/-0.000 χ^2/NDF: 13928556396.8/15

Left Out: 2.663+/-0.000 χ^2/NDF:43547734682.0/18

Right Out: 2.014+/-0.000 χ^2/NDF: 19615856596.5/18

Left In: 2.686+/-0.000 χ^2/NDF:37037412333.9/17

Left: 2.675+/-0.000 χ^2/NDF: 80650012232.1/36

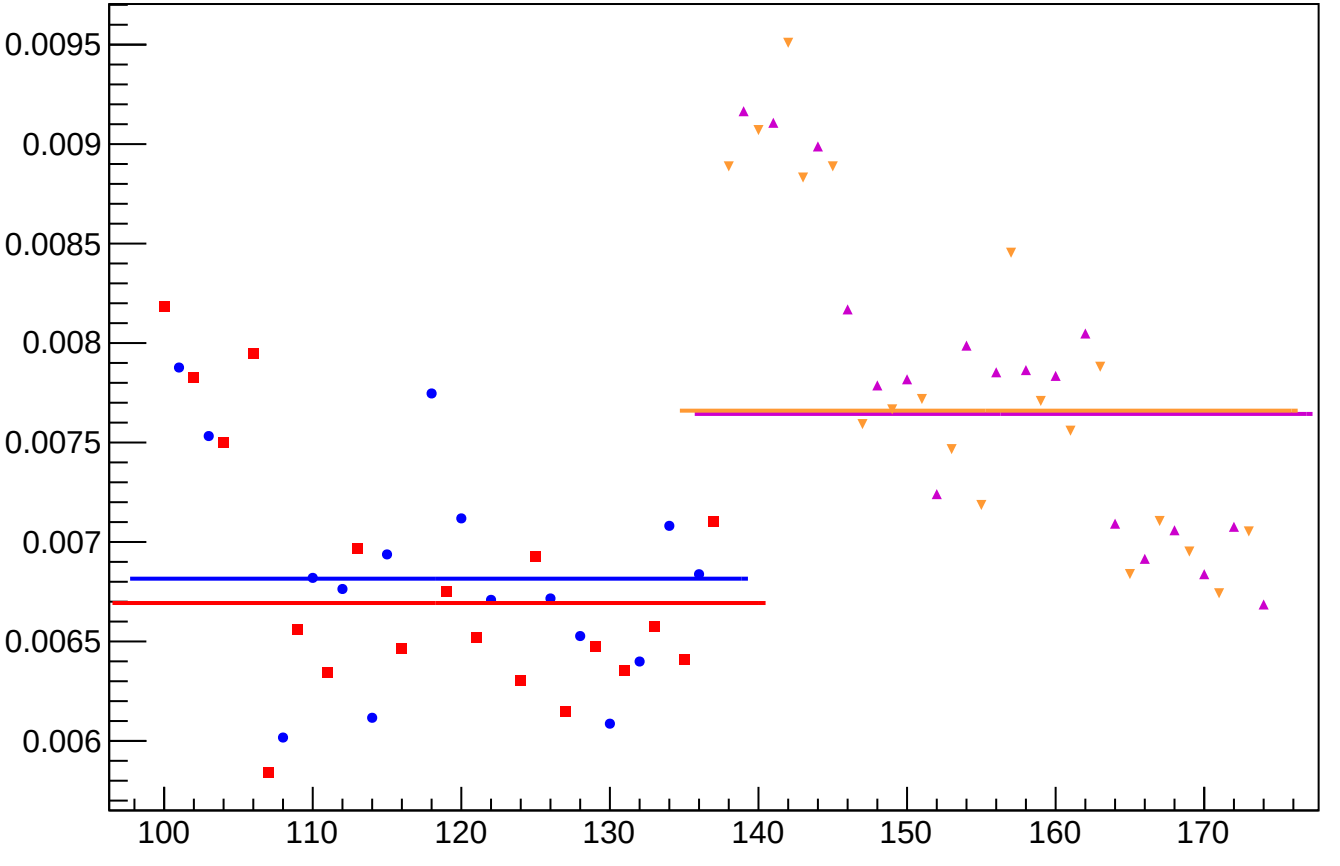
Right: 2.055+/-0.000 χ^2/NDF: 34101176841.4/34

In: 2.463+/-0.000 χ^2/NDF:82346705749.3/33

Out: 2.403+/-0.000 χ^2/NDF:103414278912.8/37

All: 2.433+/-0.000 χ^2/NDF: 186468085458.8

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 86781.0/15

Left Out: 0.008+/-0.000 χ^2/NDF:255758.6/18

Right Out: 0.007+/-0.000 χ^2/NDF: 87876.9/18

Left In: 0.008+/-0.000 χ^2/NDF:245468.7/17

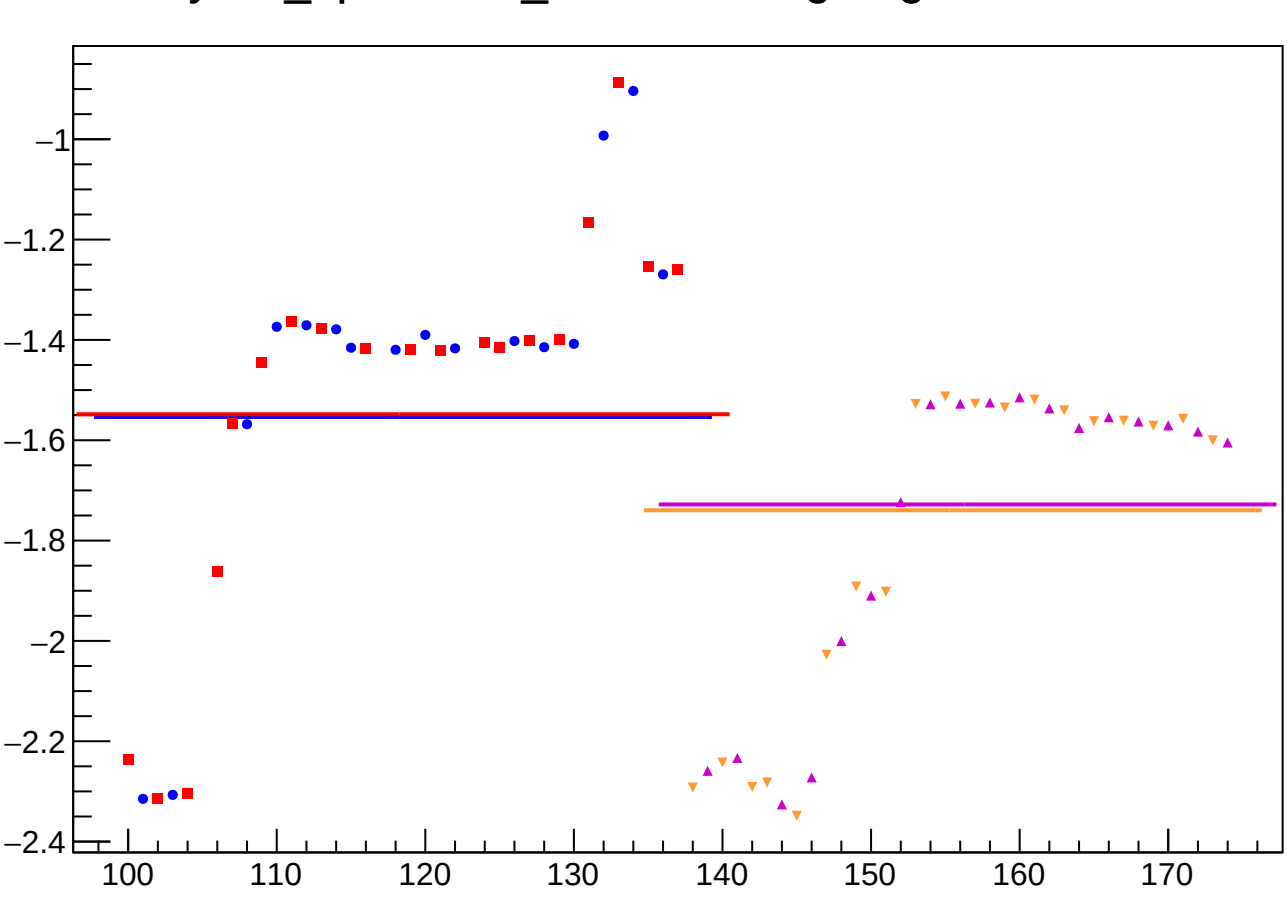
Left: 0.008+/-0.000 χ^2/NDF: 501291.7/36

Right: 0.007+/-0.000 χ^2/NDF: 176946.8/34

In: 0.007+/-0.000 χ^2/NDF:457246.5/33

Out: 0.007+/-0.000 χ^2/NDF:522386.8/37

All: 0.007+/-0.000 χ^2/NDF: 980861.6/71



Right In: -1.554+/-0.000 χ^2/NDF: 175176621986.0/15

Left Out: -1.740+/-0.000 χ^2/NDF:145470799229.5/18

Right Out: -1.548+/-0.000 χ^2/NDF: 174743666302.8/18

Left In: -1.728+/-0.000 χ^2/NDF:132768462011.1/17

Left: -1.734+/-0.000 χ^2/NDF: 278351553398.8/36

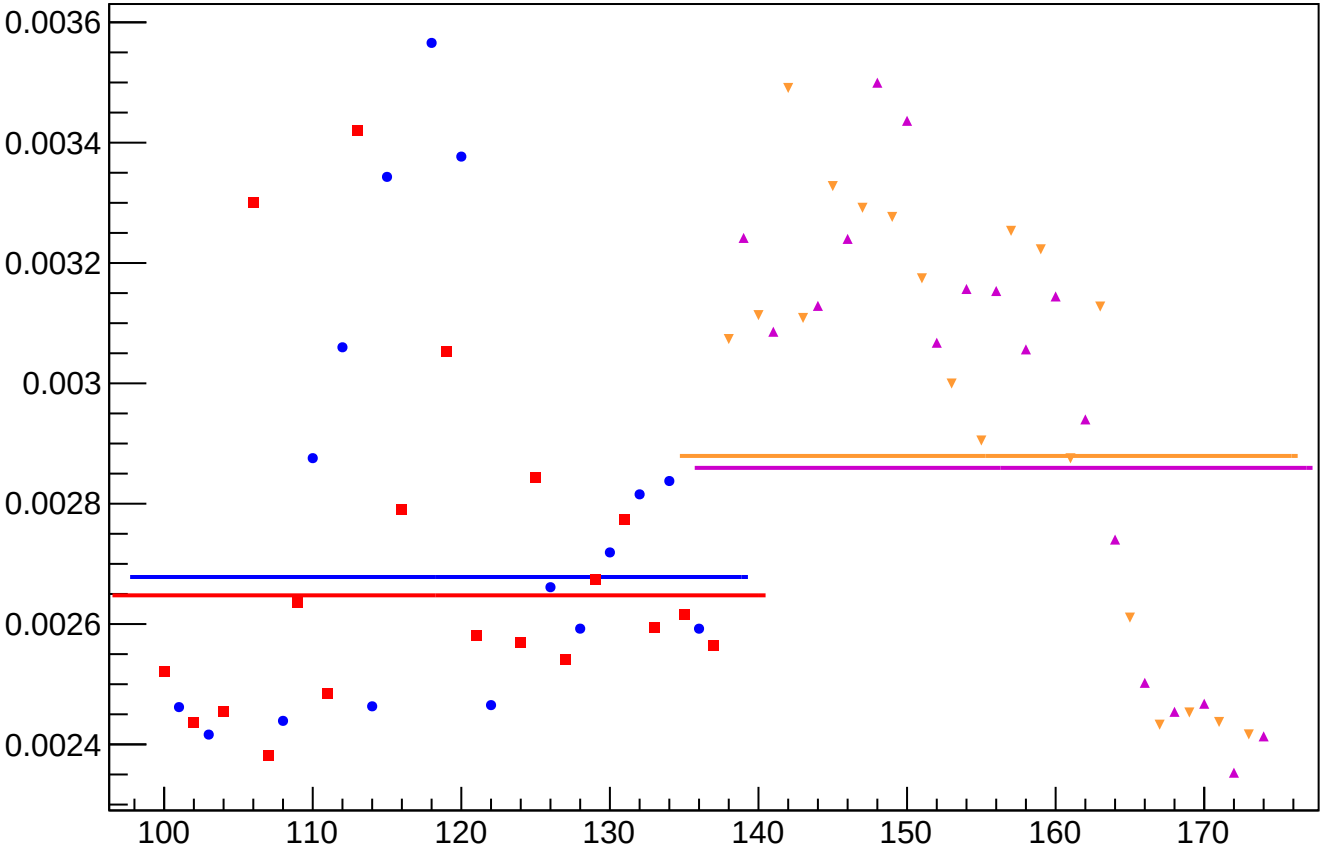
Right: -1.551+/-0.000 χ^2/NDF: 349934542439.1/34

In: -1.666+/-0.000 χ^2/NDF:326220548108.7/33

Out: -1.668+/-0.000 χ^2/NDF:343078579527.5/37

All: -1.667+/-0.000 χ^2/NDF: 669304197911.4

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 157881.5/15

Left Out: 0.003+/-0.000 χ^2/NDF:404510.3/18

Right Out: 0.003+/-0.000 χ^2/NDF: 116150.5/18

Left In: 0.003+/-0.000 χ^2/NDF:461211.6/17

Left: 0.003+/-0.000 χ^2/NDF: 866378.1/36

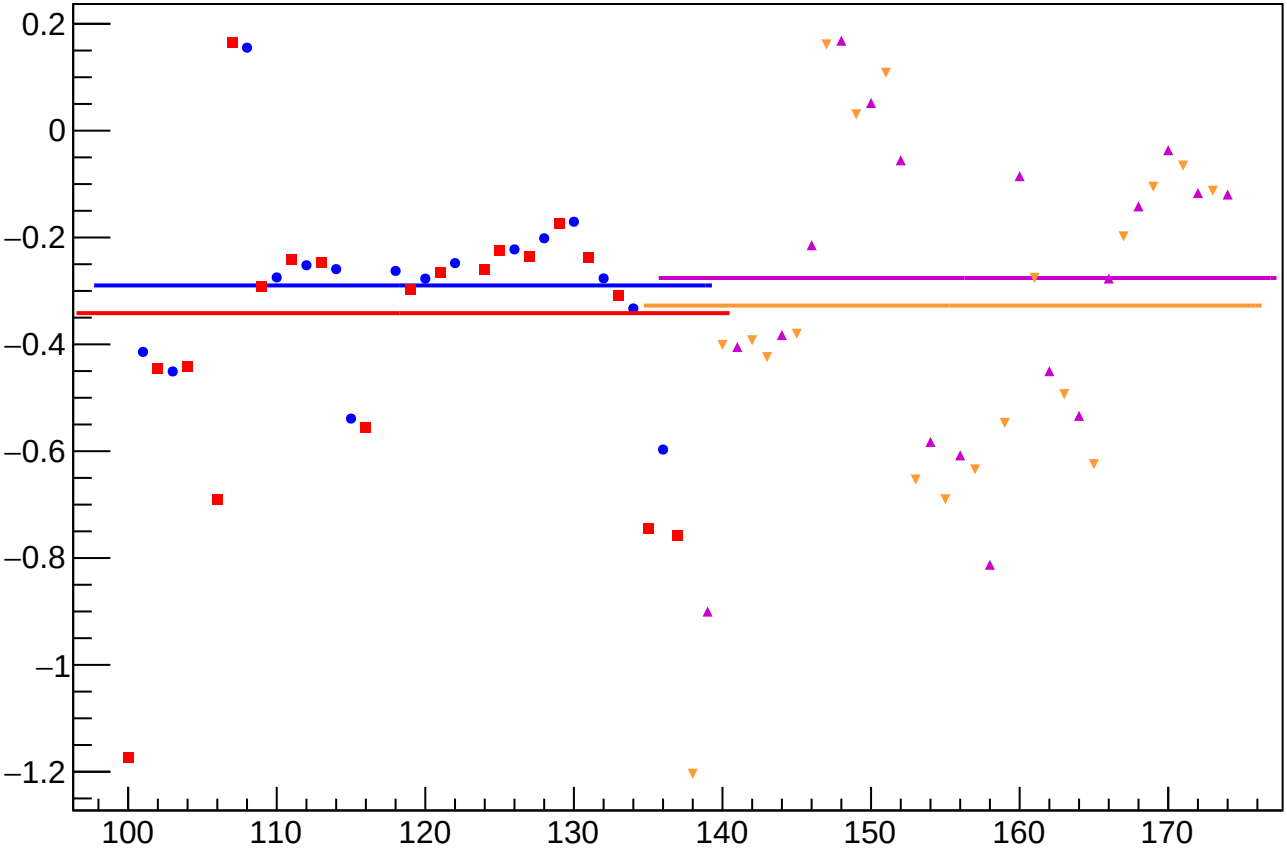
Right: 0.003+/-0.000 χ^2/NDF: 274930.8/34

In: 0.003+/-0.000 χ^2/NDF:658649.9/33

Out: 0.003+/-0.000 χ^2/NDF:587680.4/37

All: 0.003+/-0.000 χ^2/NDF: 1246346.3/71

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.290+/-0.000 χ^2/NDF: 1645174238.4/15

Left Out: -0.327+/-0.000 χ^2/NDF:8681860937.5/18

Right Out: -0.342+/-0.000 χ^2/NDF: 2609243421.7/18

Left In: -0.276+/-0.000 χ^2/NDF:6927064385.9/17

Left: -0.301+/-0.000 χ^2/NDF: 15723925572.5/36

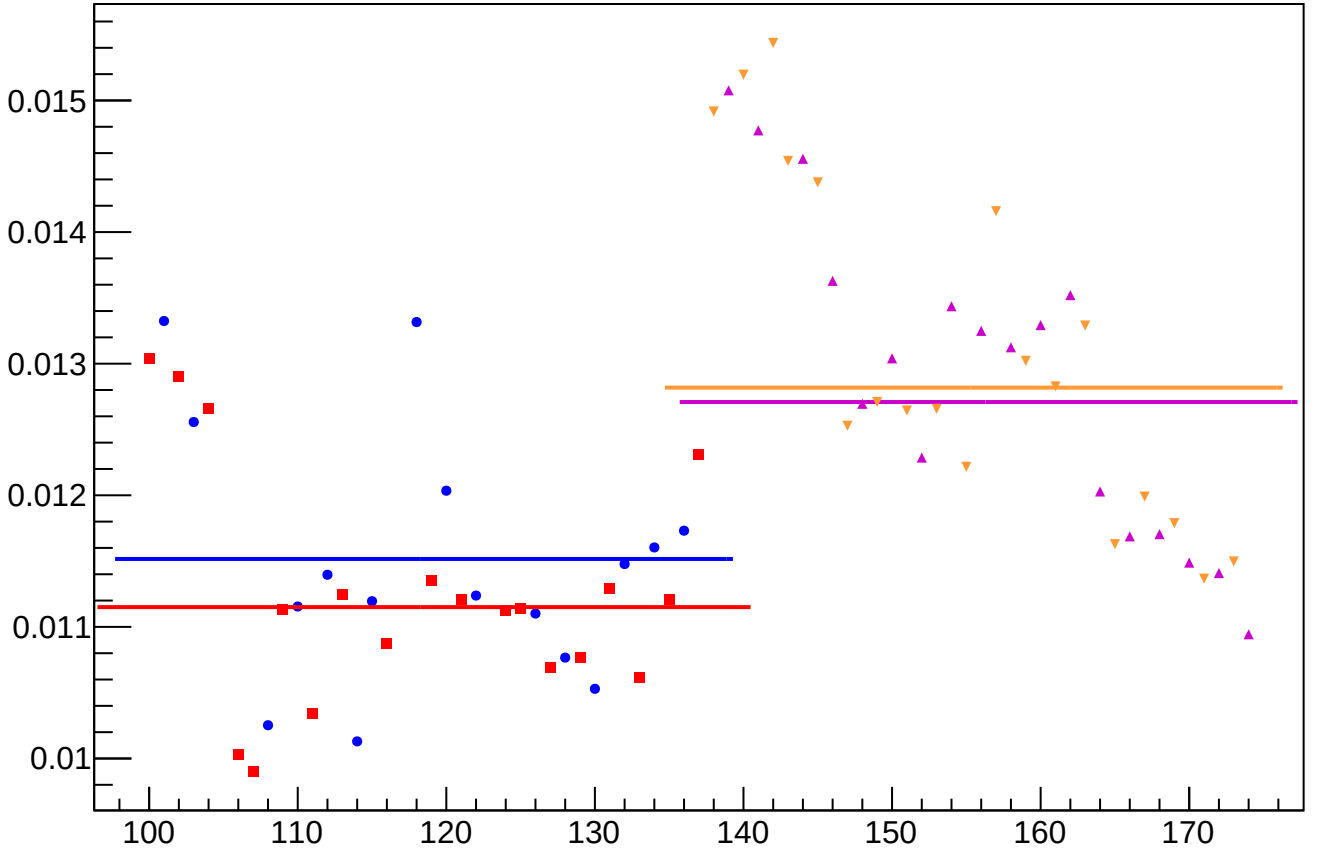
Right: -0.317+/-0.000 χ^2/NDF: 4328413510.6/34

In: -0.281+/-0.000 χ^2/NDF:8578571608.8/33

Out: -0.333+/-0.000 χ^2/NDF:11298050621.5/37

All: -0.308+/-0.000 χ^2/NDF: 20068830887.0/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 84278.9/15

Left Out: 0.013+/-0.000 χ^2/NDF:225733.6/18

Right Out: 0.011+/-0.000 χ^2/NDF: 70560.1/18

Left In: 0.013+/-0.000 χ^2/NDF:233131.3/17

Left: 0.013+/-0.000 χ^2/NDF: 459904.1/36

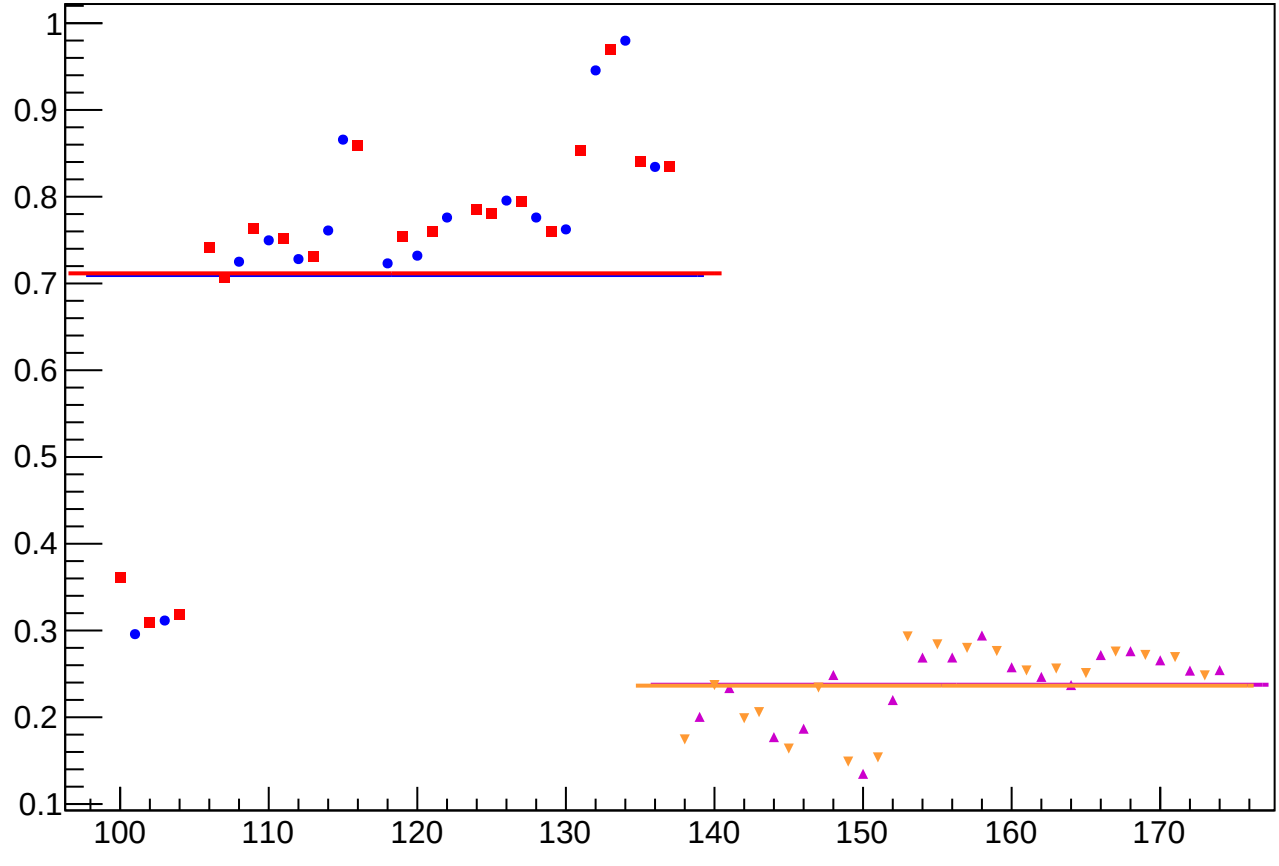
Right: 0.011+/-0.000 χ^2/NDF: 162212.6/34

In: 0.012+/-0.000 χ^2/NDF:409969.3/33

Out: 0.012+/-0.000 χ^2/NDF:489512.8/37

All: 0.012+/-0.000 χ^2/NDF: 901450.8/71

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.710+/-0.000 χ^2/NDF: 48924347494.6/15

Left Out: 0.236+/-0.000 χ^2/NDF:6745669621.1/18

Right Out: 0.712+/-0.000 χ^2/NDF: 44174681920.8/18

Left In: 0.237+/-0.000 χ^2/NDF:5353167734.9/17

Left: 0.237+/-0.000 χ^2/NDF: 12100632682.1/36

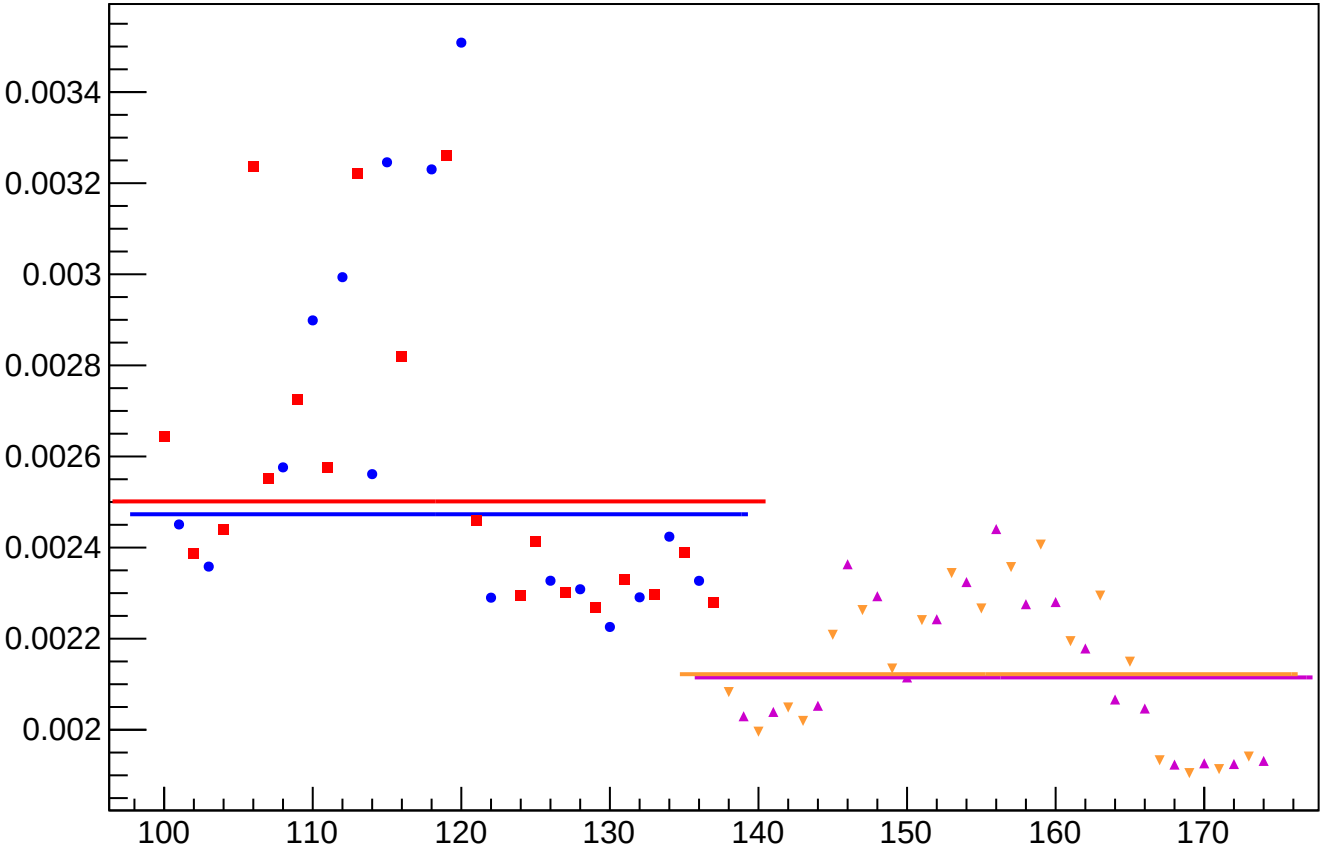
Right: 0.711+/-0.000 χ^2/NDF: 93101138571.1/34

In: 0.357+/-0.000 χ^2/NDF:239774358559.8/33

Out: 0.358+/-0.000 χ^2/NDF:240057184452.5/37

All: 0.358+/-0.000 χ^2/NDF: 479831747618.6

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 208046.5/15

Left Out: 0.002+/-0.000 χ^2/NDF:167707.8/18

Right Out: 0.003+/-0.000 χ^2/NDF: 177427.2/18

Left In: 0.002+/-0.000 χ^2/NDF:169480.6/17

Left: 0.002+/-0.000 χ^2/NDF: 337353.2/36

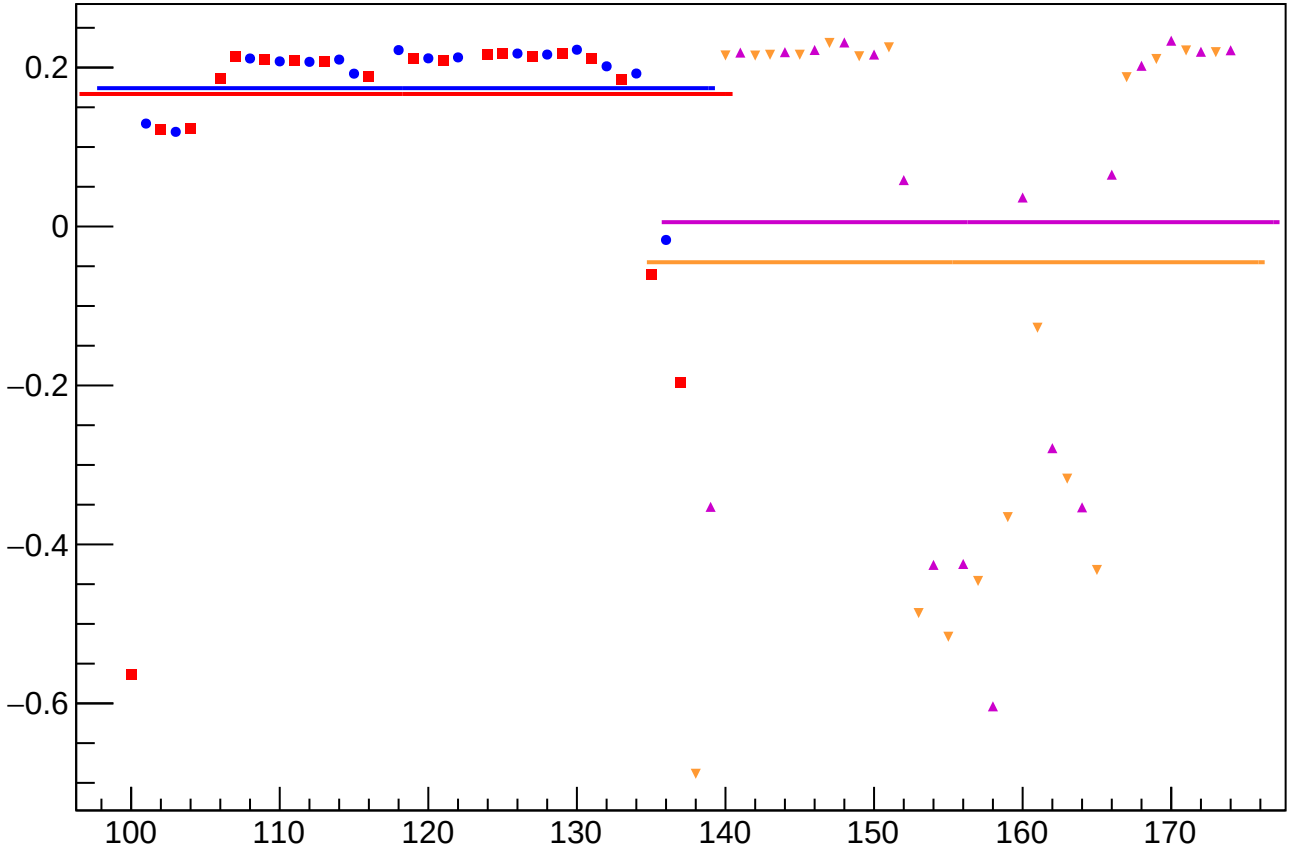
Right: 0.002+/-0.000 χ^2/NDF: 386364.7/34

In: 0.002+/-0.000 χ^2/NDF:590994.5/33

Out: 0.002+/-0.000 χ^2/NDF:586158.4/37

All: 0.002+/-0.000 χ^2/NDF: 1177887.7/71

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.174+/-0.000 χ^2/NDF: 401946344.0/15

Left Out: -0.045+/-0.000 χ^2/NDF:10971985039.0/18

Right Out: 0.167+/-0.000 χ^2/NDF: 894131198.6/18

Left In: 0.005+/-0.000 χ^2/NDF:8585216978.2/17

Left: -0.020+/-0.000 χ^2/NDF: 19690910932.2/36

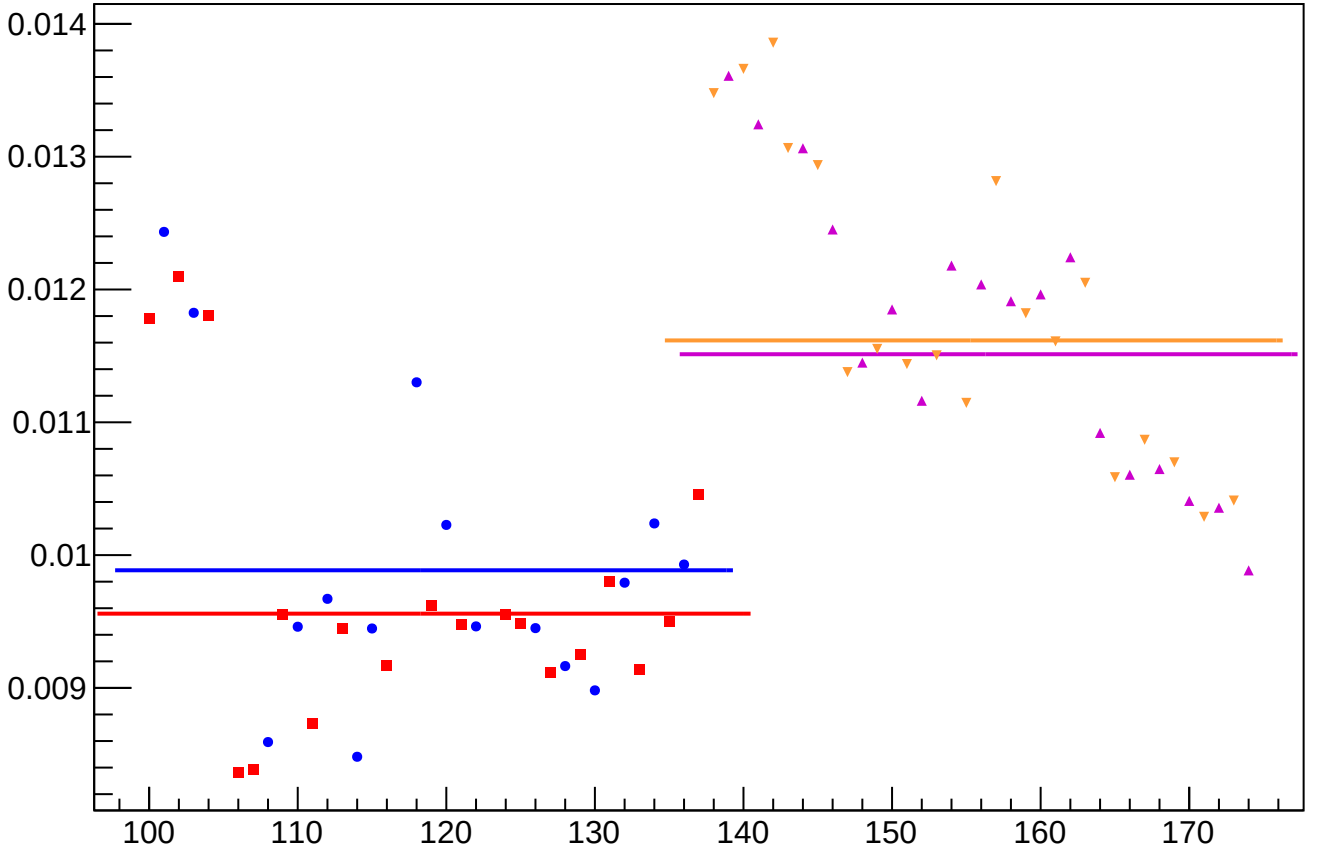
Right: 0.170+/-0.000 χ^2/NDF: 1298066263.7/34

In: 0.073+/-0.000 χ^2/NDF:10186885224.9/33

Out: 0.046+/-0.000 χ^2/NDF:13880947969.8/37

All: 0.059+/-0.000 χ^2/NDF: 24131960460.2/7

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 148562.0/15

Left Out: 0.012+/-0.000 χ^2/NDF:213034.8/18

Right Out: 0.010+/-0.000 χ^2/NDF: 136197.0/18

Left In: 0.012+/-0.000 χ^2/NDF:225429.5/17

Left: 0.012+/-0.000 χ^2/NDF: 439601.4/36

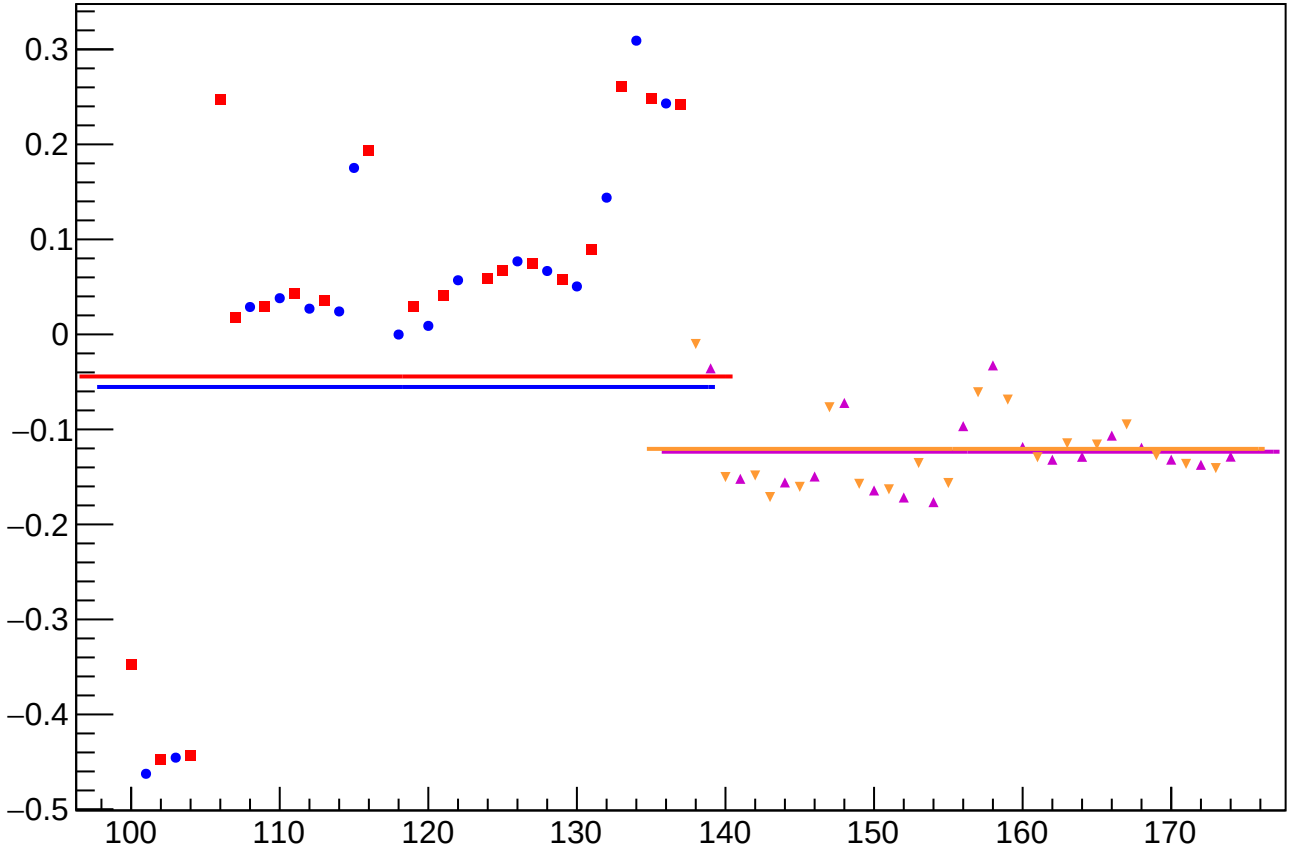
Right: 0.010+/-0.000 χ^2/NDF: 292678.0/34

In: 0.011+/-0.000 χ^2/NDF:597385.8/33

Out: 0.011+/-0.000 χ^2/NDF:729871.7/37

All: 0.011+/-0.000 χ^2/NDF: 1330339.7/71

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.055+/-0.000 χ^2/NDF: 24081939190.6/15

Left Out: -0.120+/-0.000 χ^2/NDF:2900573790.3/18

Right Out: -0.044+/-0.000 χ^2/NDF: 22136167141.7/18

Left In: -0.123+/-0.000 χ^2/NDF:2801979478.4/17

Left: -0.122+/-0.000 χ^2/NDF: 5710740192.5/36

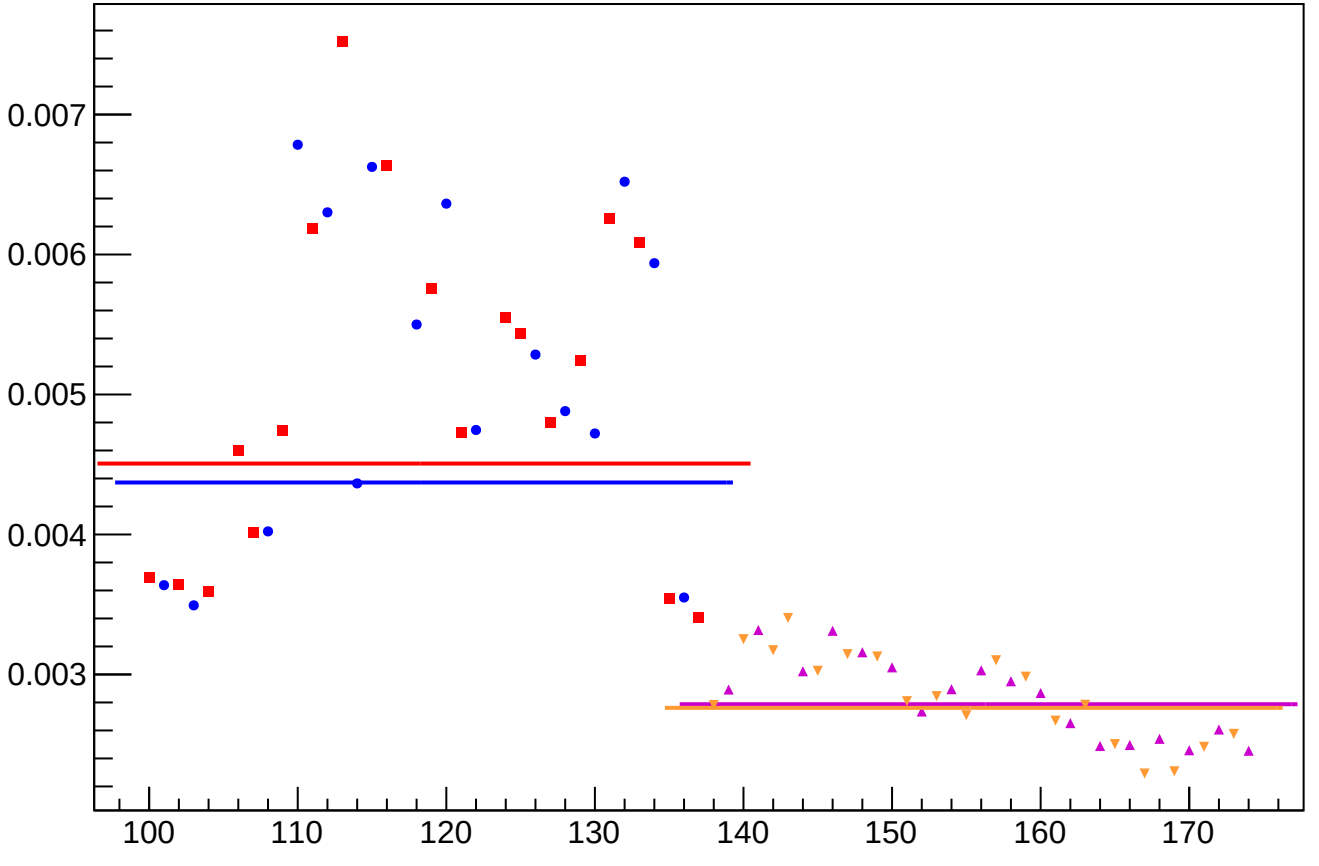
Right: -0.050+/-0.000 χ^2/NDF: 46237436160.9/34

In: -0.113+/-0.000 χ^2/NDF:28144105619.5/33

Out: -0.109+/-0.000 χ^2/NDF:26599308612.8/37

All: -0.111+/-0.000 χ^2/NDF: 54758940428.1/

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 660432.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:358136.5/18

Right Out: 0.005+/-0.000 χ^2/NDF: 704549.6/18

Left In: 0.003+/-0.000 χ^2/NDF:265409.4/17

Left: 0.003+/-0.000 χ^2/NDF: 624760.4/36

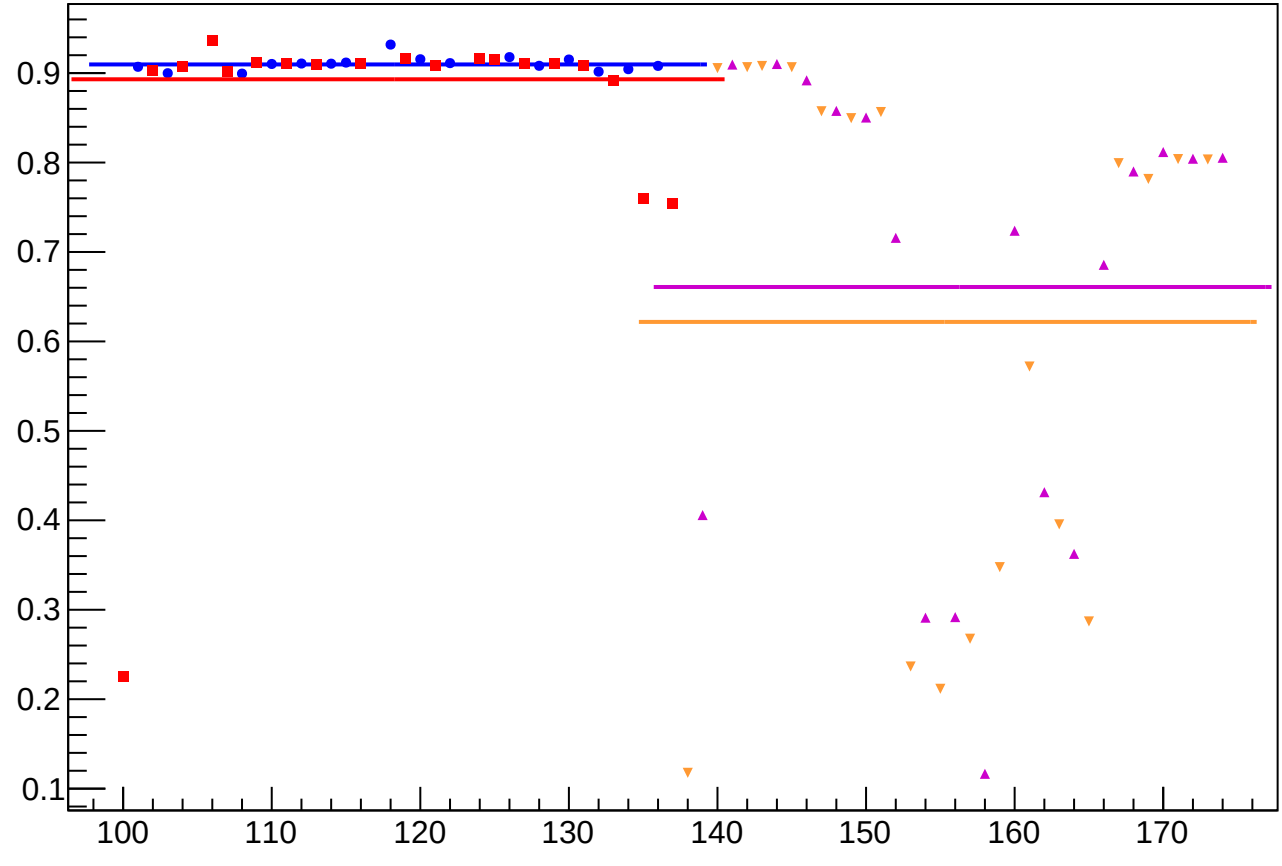
Right: 0.004+/-0.000 χ^2/NDF: 1370782.0/34

In: 0.003+/-0.000 χ^2/NDF:2287863.1/33

Out: 0.003+/-0.000 χ^2/NDF:2701687.4/37

All: 0.003+/-0.000 χ^2/NDF: 4989795.4/71

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 0.910+/-0.000 χ^2/NDF: 3133349.6/15

Left Out: 0.622+/-0.000 χ^2/NDF:8426993510.4/18

Right Out: 0.893+/-0.000 χ^2/NDF: 327979021.4/18

Left In: 0.661+/-0.000 χ^2/NDF:6646935047.0/17

Left: 0.641+/-0.000 χ^2/NDF: 15158638771.6/36

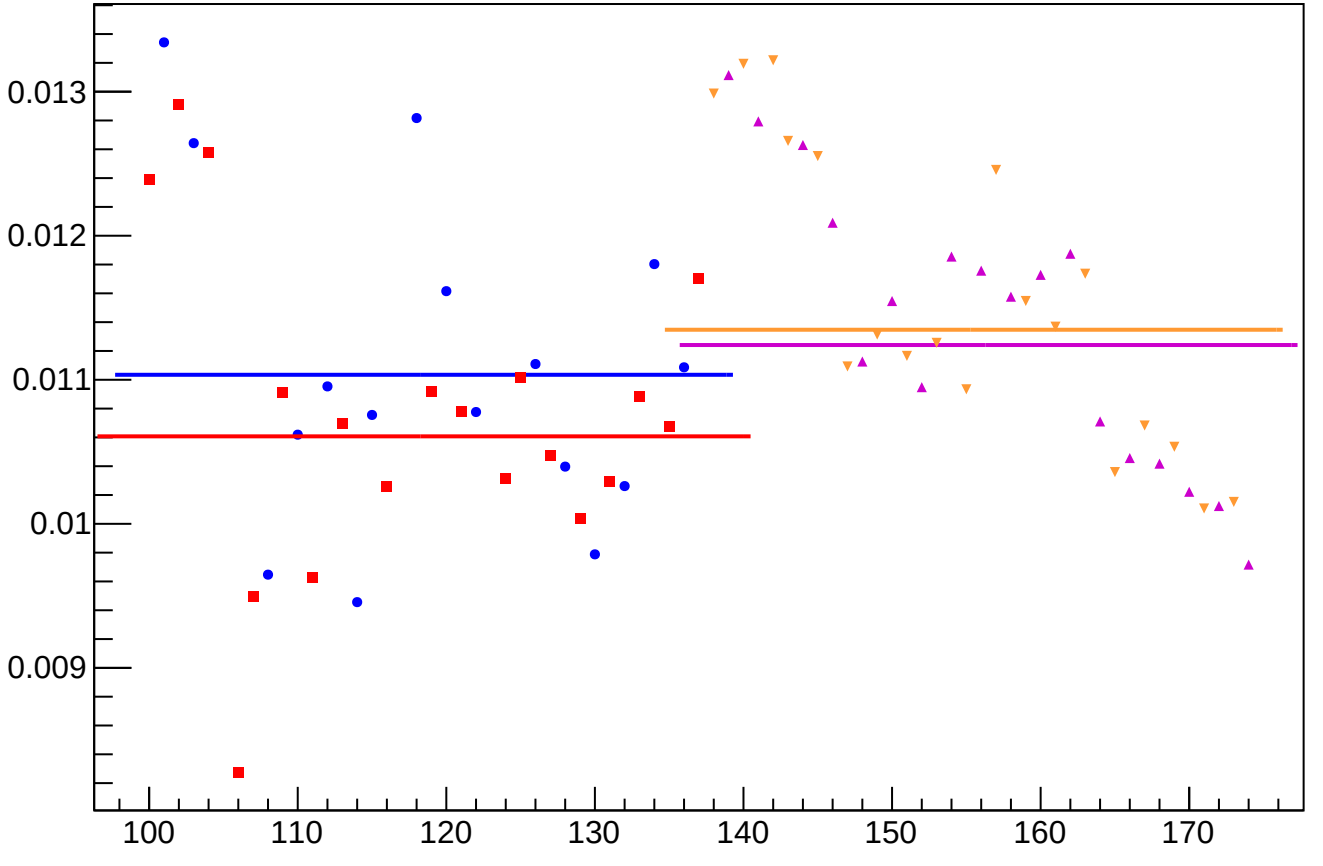
Right: 0.901+/-0.000 χ^2/NDF: 339373965.5/34

In: 0.744+/-0.000 χ^2/NDF:8970760177.5/33

Out: 0.721+/-0.000 χ^2/NDF:11737774632.7/37

All: 0.733+/-0.000 χ^2/NDF: 20753605396.8/

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 130353.1/15

Left Out: 0.011+/-0.000 χ^2/NDF:188802.2/18

Right Out: 0.011+/-0.000 χ^2/NDF: 143947.4/18

Left In: 0.011+/-0.000 χ^2/NDF:200936.2/17

Left: 0.011+/-0.000 χ^2/NDF: 390988.8/36

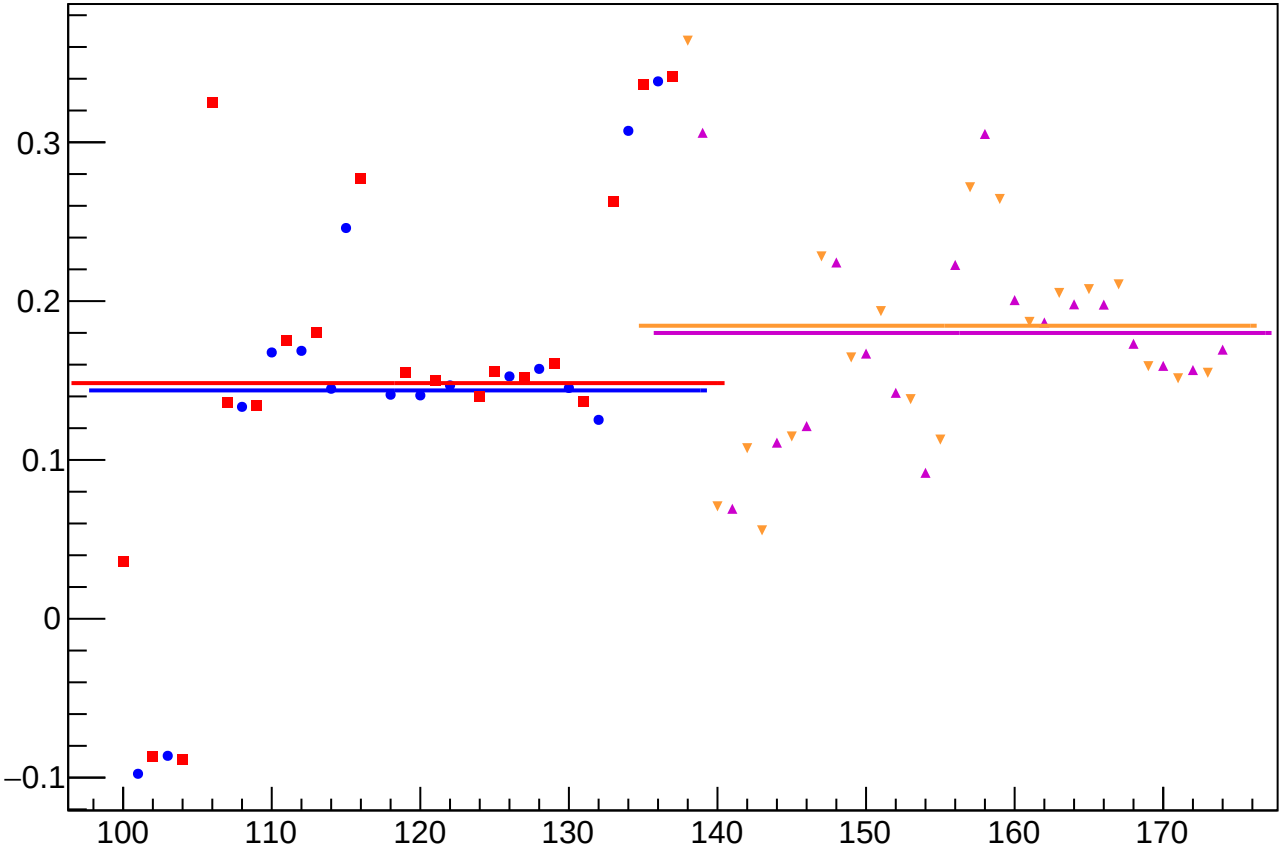
Right: 0.011+/-0.000 χ^2/NDF: 285253.7/34

In: 0.011+/-0.000 χ^2/NDF:334490.0/33

Out: 0.011+/-0.000 χ^2/NDF:377152.7/37

All: 0.011+/-0.000 χ^2/NDF: 713227.8/71

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.144+/-0.000 χ^2/NDF: 7867304536.4/15

Left Out: 0.185+/-0.000 χ^2/NDF:6312884035.2/18

Right Out: 0.148+/-0.000 χ^2/NDF: 7128567107.5/18

Left In: 0.180+/-0.000 χ^2/NDF:4565554502.4/17

Left: 0.182+/-0.000 χ^2/NDF: 10893704076.3/36

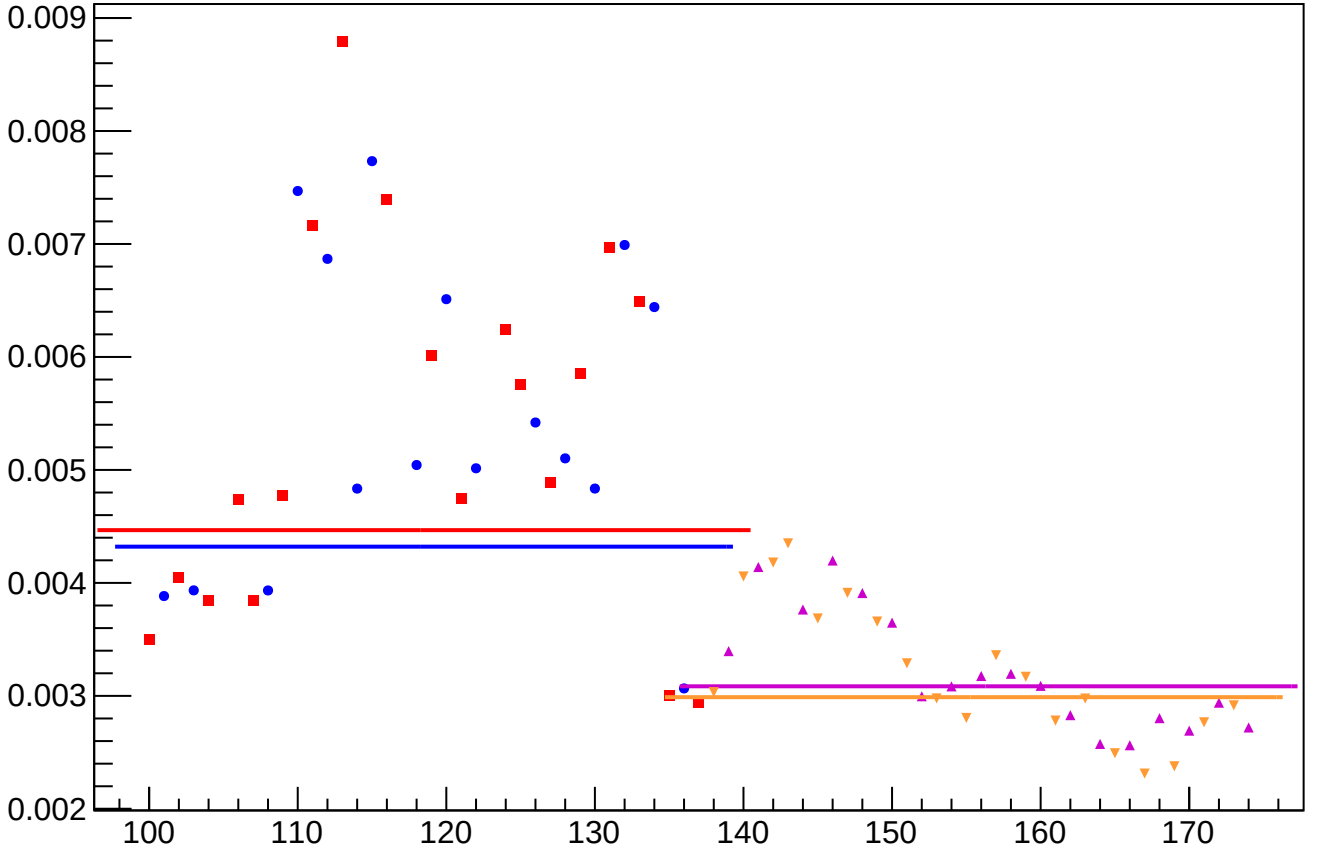
Right: 0.146+/-0.000 χ^2/NDF: 14999065697.1/34

In: 0.174+/-0.000 χ^2/NDF:12762812919.3/33

Out: 0.179+/-0.000 χ^2/NDF:13766151517.4/37

All: 0.176+/-0.000 χ^2/NDF: 26551732294.5/7

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 878343.4/15

Left Out: 0.003+/-0.000 χ^2/NDF:839582.7/18

Right Out: 0.004+/-0.000 χ^2/NDF: 1085759.3/18

Left In: 0.003+/-0.000 χ^2/NDF:568333.1/17

Left: 0.003+/-0.000 χ^2/NDF: 1421522.6/36

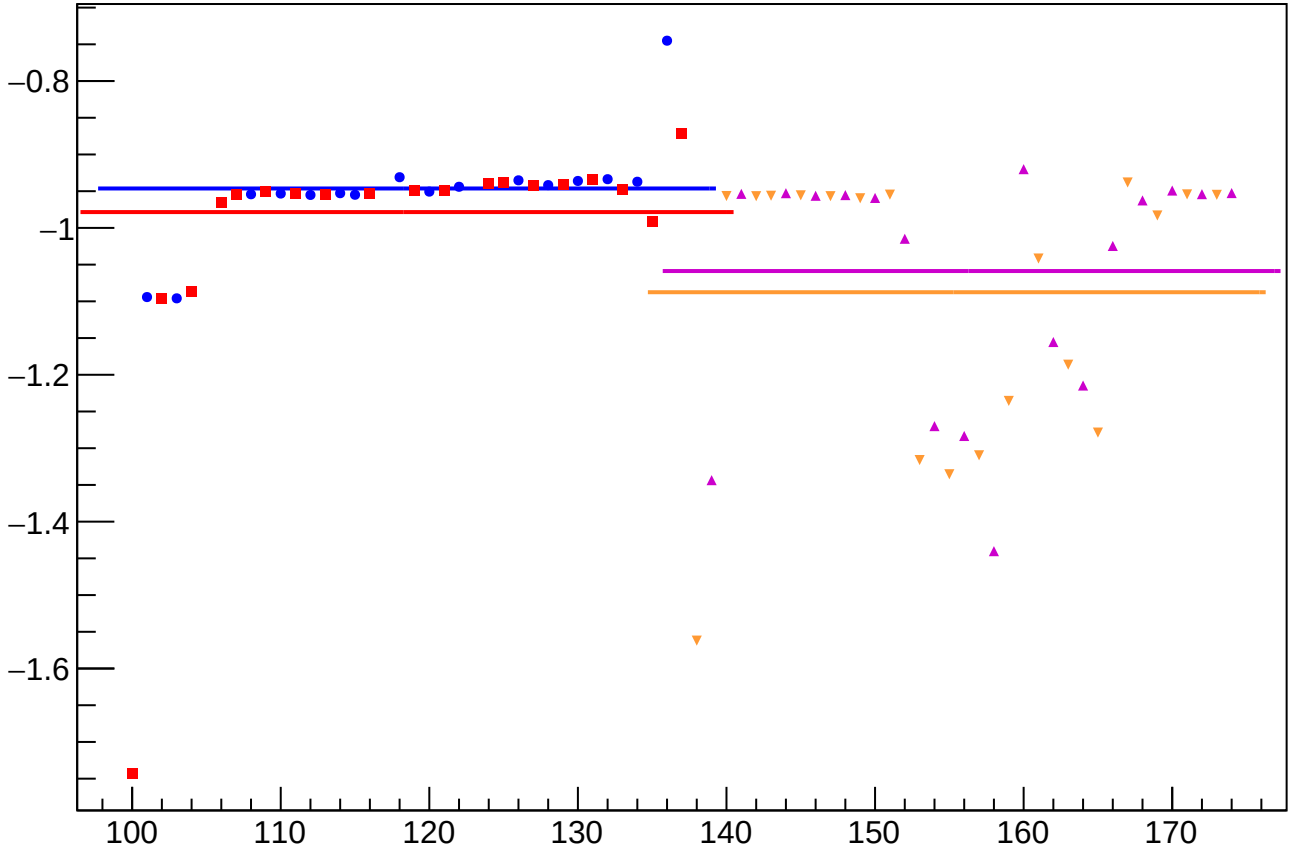
Right: 0.004+/-0.000 χ^2/NDF: 1970552.0/34

In: 0.003+/-0.000 χ^2/NDF:2217560.1/33

Out: 0.003+/-0.000 χ^2/NDF:3013101.6/37

All: 0.003+/-0.000 χ^2/NDF: 5240321.4/71

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.946+/-0.000 χ^2/NDF: 404509465.5/15

Left Out: -1.088+/-0.000 χ^2/NDF:4385961418.8/18

Right Out: -0.978+/-0.000 χ^2/NDF: 461081476.3/18

Left In: -1.059+/-0.000 χ^2/NDF:3564204918.4/17

Left: -1.073+/-0.000 χ^2/NDF: 8008718235.7/36

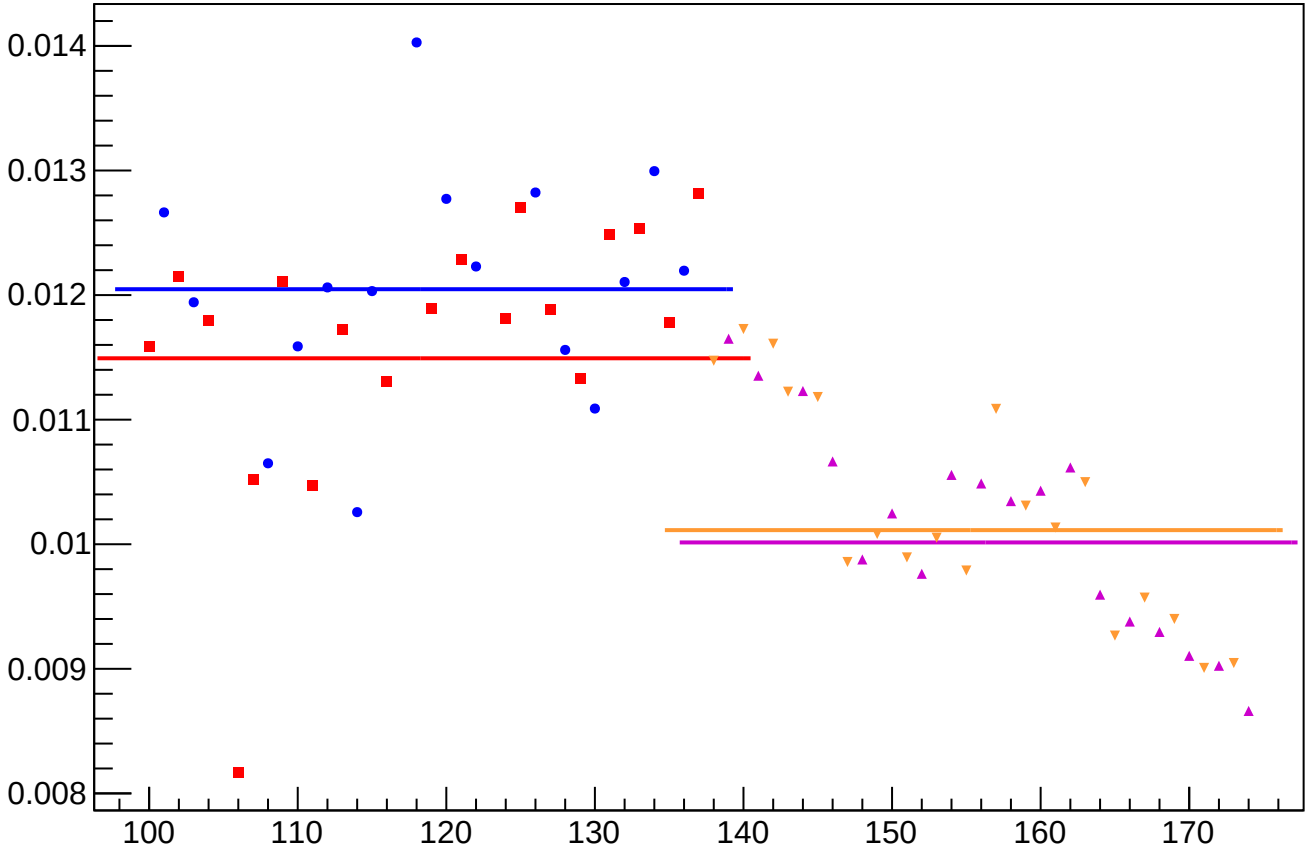
Right: -0.963+/-0.000 χ^2/NDF: 891693396.9/34

In: -1.031+/-0.000 χ^2/NDF:4417151196.8/33

Out: -1.057+/-0.000 χ^2/NDF:5312272038.3/37

All: -1.044+/-0.000 χ^2/NDF: 9796718309.5/7

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 62476.3/15

Left Out: 0.010+/-0.000 χ^2/NDF:180179.0/18

Right Out: 0.011+/-0.000 χ^2/NDF: 151309.4/18

Left In: 0.010+/-0.000 χ^2/NDF:194583.2/17

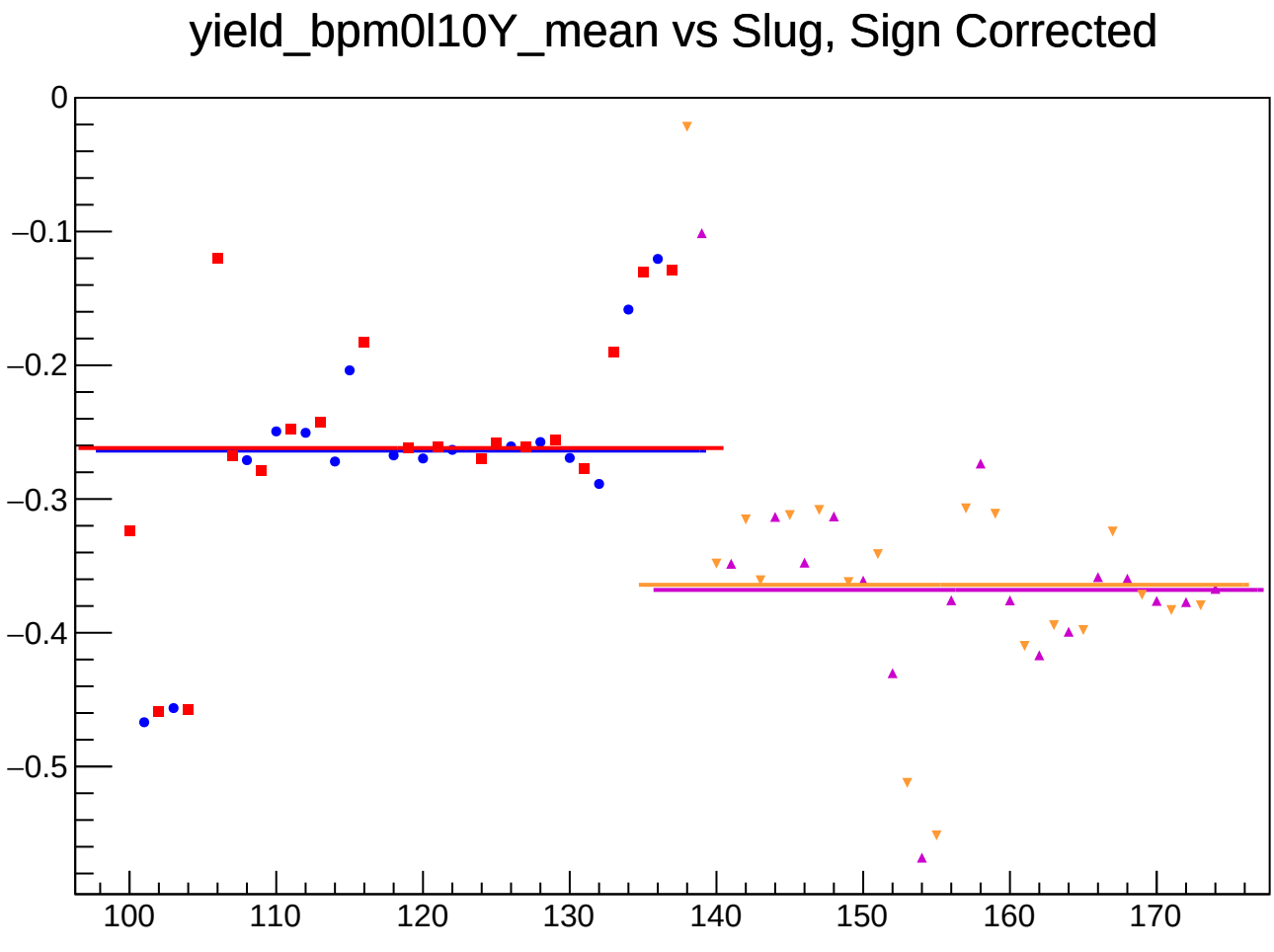
Left: 0.010+/-0.000 χ^2/NDF: 376135.4/36

Right: 0.012+/-0.000 χ^2/NDF: 229327.8/34

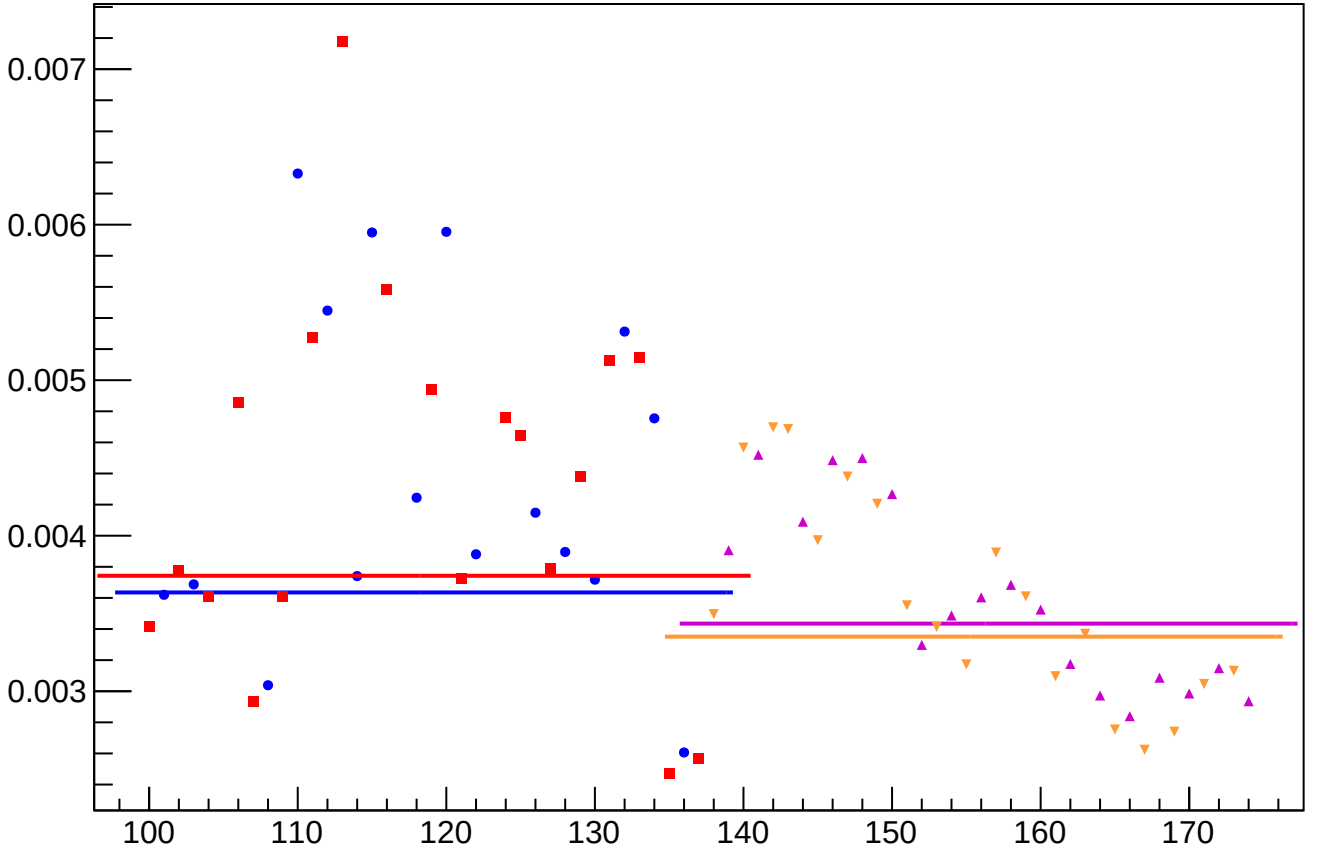
In: 0.011+/-0.000 χ^2/NDF:550269.1/33

Out: 0.010+/-0.000 χ^2/NDF:480137.9/37

All: 0.011+/-0.000 χ^2/NDF: 1030526.1/71


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: -0.264+/-0.000 χ²/NDF: 6106171444.3/15
Left Out: -0.364+/-0.000 χ²/NDF:11899641198.4/18
Right Out: -0.262+/-0.000 χ²/NDF: 5250043427.3/18
Left In: -0.368+/-0.000 χ²/NDF:7568212414.7/17
Left: -0.366+/-0.000 χ²/NDF: 19476445205.7/36
Right: -0.263+/-0.000 χ²/NDF: 11357011784.3/34
In: -0.339+/-0.000 χ²/NDF:17093189036.1/33
Out: -0.337+/-0.000 χ²/NDF:20456522832.9/37
All: -0.338+/-0.000 χ²/NDF: 37552462468.2/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 728598.9/15

Left Out: 0.003+/-0.000 χ^2/NDF:789237.4/18

Right Out: 0.004+/-0.000 χ^2/NDF: 894189.4/18

Left In: 0.003+/-0.000 χ^2/NDF:590585.7/17

Left: 0.003+/-0.000 χ^2/NDF: 1387986.3/36

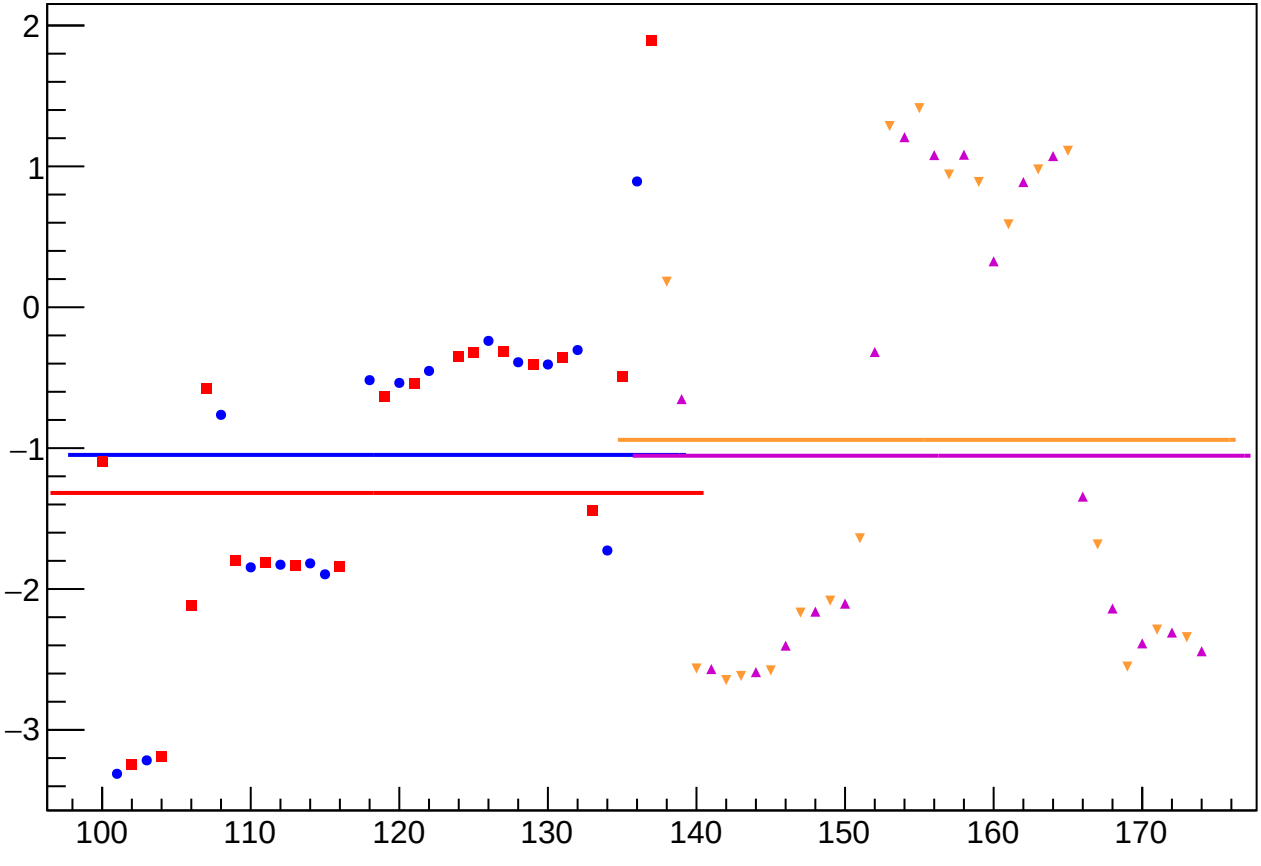
Right: 0.004+/-0.000 χ^2/NDF: 1627770.5/34

In: 0.003+/-0.000 χ^2/NDF:1344494.9/33

Out: 0.003+/-0.000 χ^2/NDF:1780345.6/37

All: 0.003+/-0.000 χ^2/NDF: 3126928.3/71

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.048+/-0.000 χ^2/NDF: 2347020985.5/15

Left Out: -0.941+/-0.000 χ^2/NDF:6815937903.0/18

Right Out: -1.318+/-0.000 χ^2/NDF: 1847995615.1/18

Left In: -1.054+/-0.000 χ^2/NDF:5798502569.7/17

Left: -0.997+/-0.000 χ^2/NDF: 12631065191.4/36

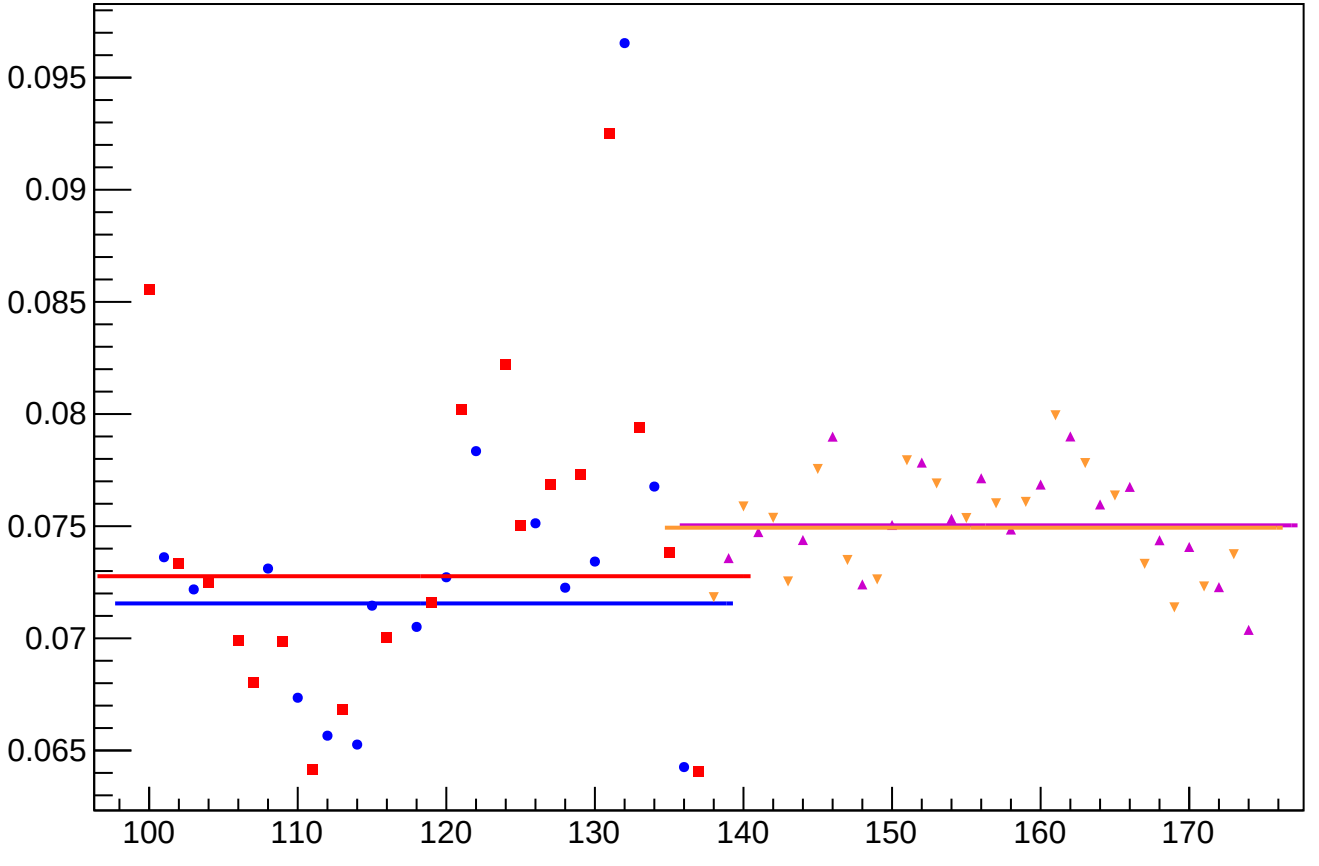
Right: -1.183+/-0.000 χ^2/NDF: 4244956360.2/34

In: -1.052+/-0.000 χ^2/NDF:8145553671.6/33

Out: -1.070+/-0.000 χ^2/NDF:8792097536.6/37

All: -1.061+/-0.000 χ^2/NDF: 16938320946.7/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.072+/-0.000 χ^2/NDF: 101238.7/15

Left Out: 0.075+/-0.000 χ^2/NDF:29691.8/18

Right Out: 0.073+/-0.000 χ^2/NDF: 96874.2/18

Left In: 0.075+/-0.000 χ^2/NDF:26374.1/17

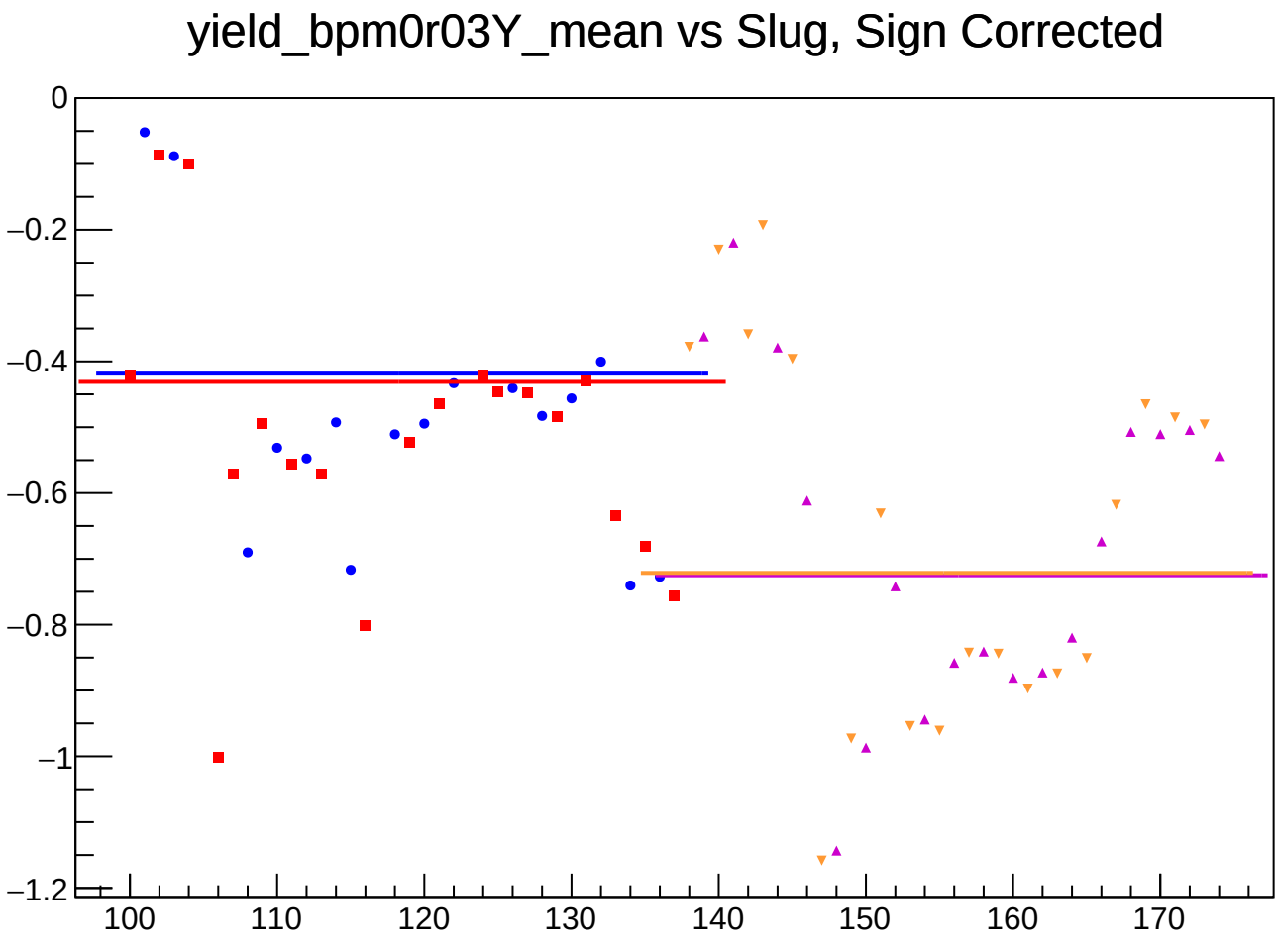
Left: 0.075+/-0.000 χ^2/NDF: 56094.4/36

Right: 0.072+/-0.000 χ^2/NDF: 200129.9/34

In: 0.074+/-0.000 χ^2/NDF:149322.3/33

Out: 0.074+/-0.000 χ^2/NDF:135007.3/37

All: 0.074+/-0.000 χ^2/NDF: 284840.0/71



Right In: -0.419+/-0.000 χ^2/NDF: 3072147227.9/15

Left Out: -0.721+/-0.000 χ^2/NDF:18976106898.3/18

Right Out: -0.431+/-0.000 χ^2/NDF: 3196655095.4/18

Left In: -0.725+/-0.000 χ^2/NDF:14569259373.1/17

Left: -0.723+/-0.000 χ^2/NDF: 33547410205.7/36

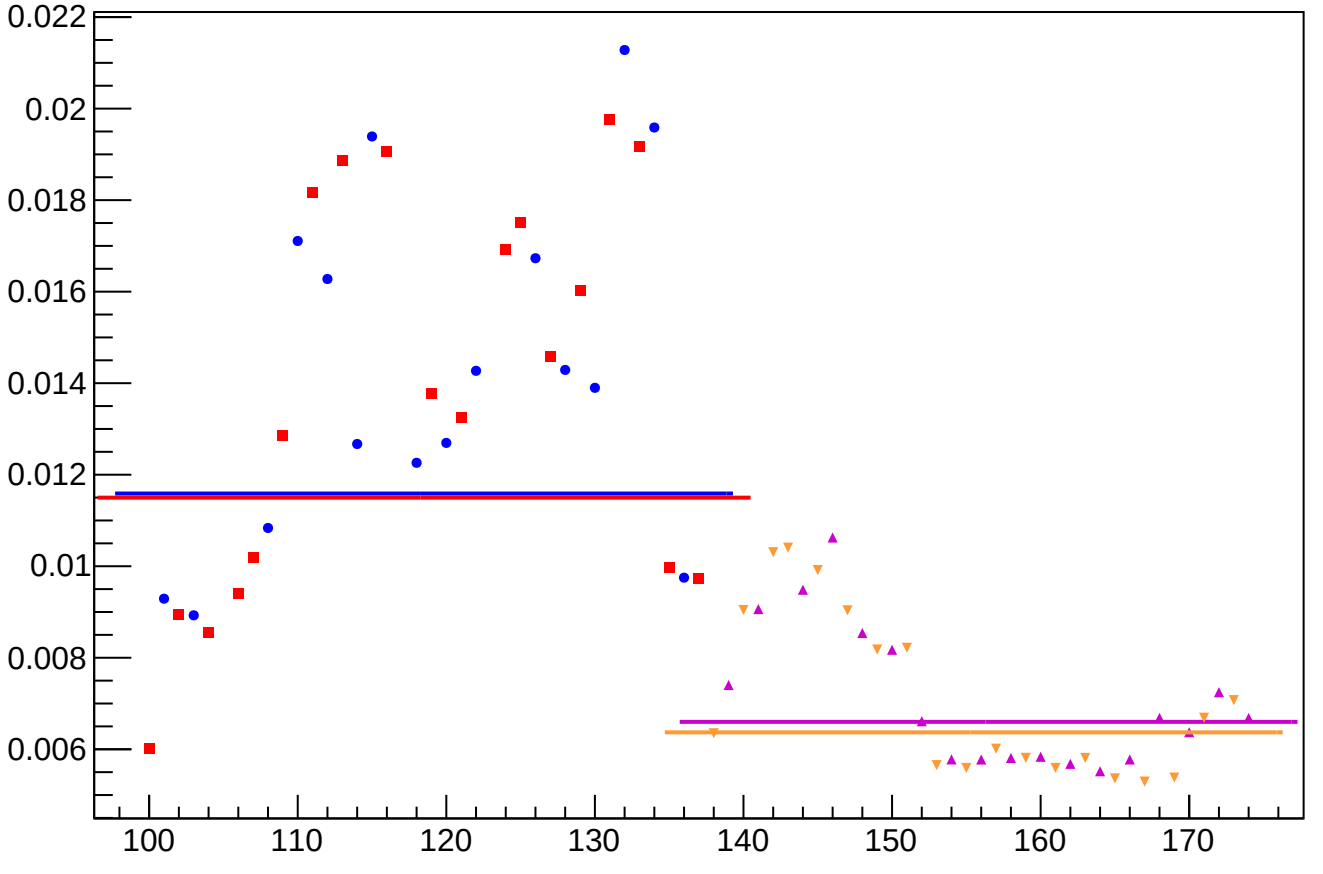
Right: -0.425+/-0.000 χ^2/NDF: 6272338159.2/34

In: -0.687+/-0.000 χ^2/NDF:21285678604.2/33

Out: -0.687+/-0.000 χ^2/NDF:25541840301.7/37

All: -0.687+/-0.000 χ^2/NDF: 46827519069.6/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 786260.7/15

Left Out: 0.006+/-0.000 χ^2/NDF:1232333.3/18

Right Out: 0.011+/-0.000 χ^2/NDF: 1164657.0/18

Left In: 0.007+/-0.000 χ^2/NDF:889848.2/17

Left: 0.006+/-0.000 χ^2/NDF: 2139089.1/36

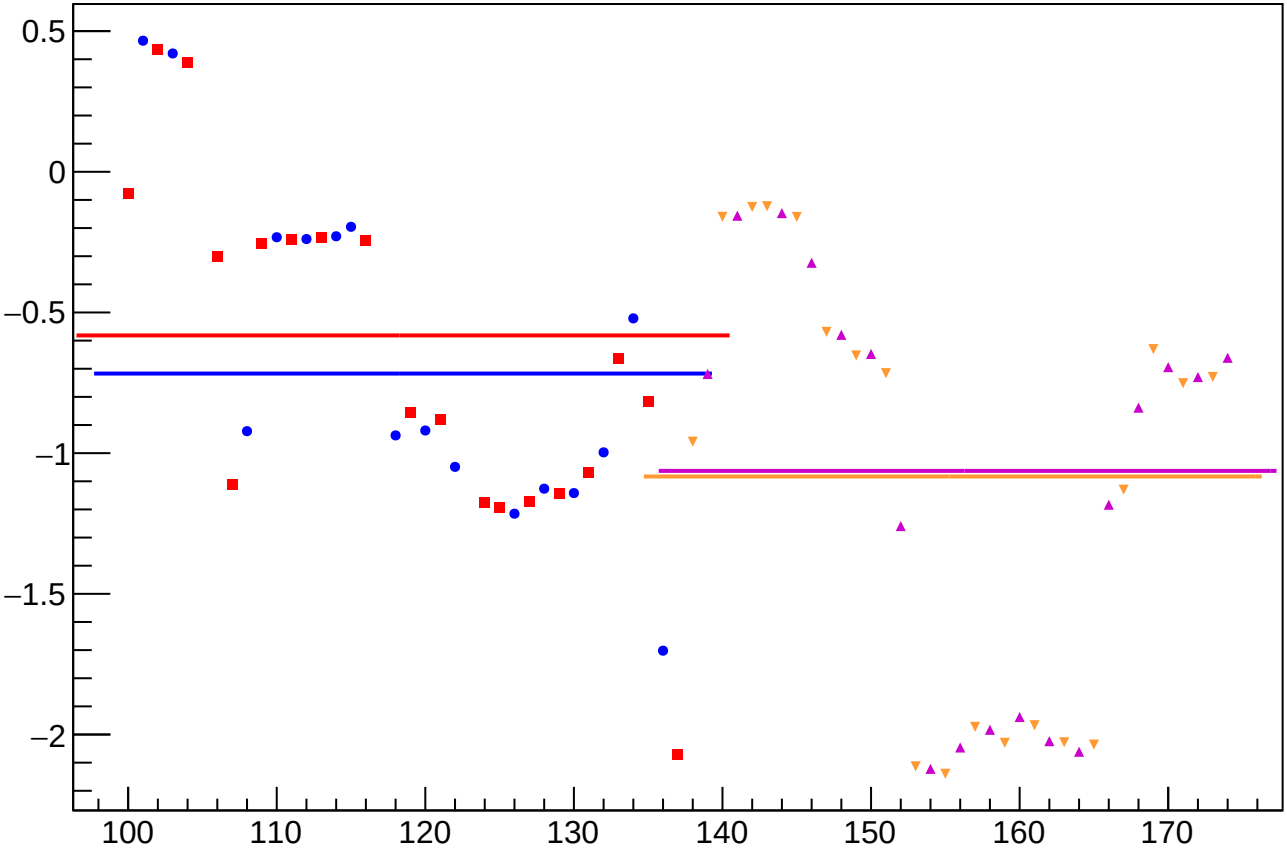
Right: 0.012+/-0.000 χ^2/NDF: 1951282.6/34

In: 0.007+/-0.000 χ^2/NDF:3609641.4/33

Out: 0.007+/-0.000 χ^2/NDF:4501127.0/37

All: 0.007+/-0.000 χ^2/NDF: 8131836.4/71

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.717+/-0.000 χ^2/NDF: 437423792.4/15

Left Out: -1.083+/-0.000 χ^2/NDF:1129907777.1/18

Right Out: -0.582+/-0.000 χ^2/NDF: 342062039.8/18

Left In: -1.063+/-0.000 χ^2/NDF:971355531.2/17

Left: -1.073+/-0.000 χ^2/NDF: 2101660762.6/36

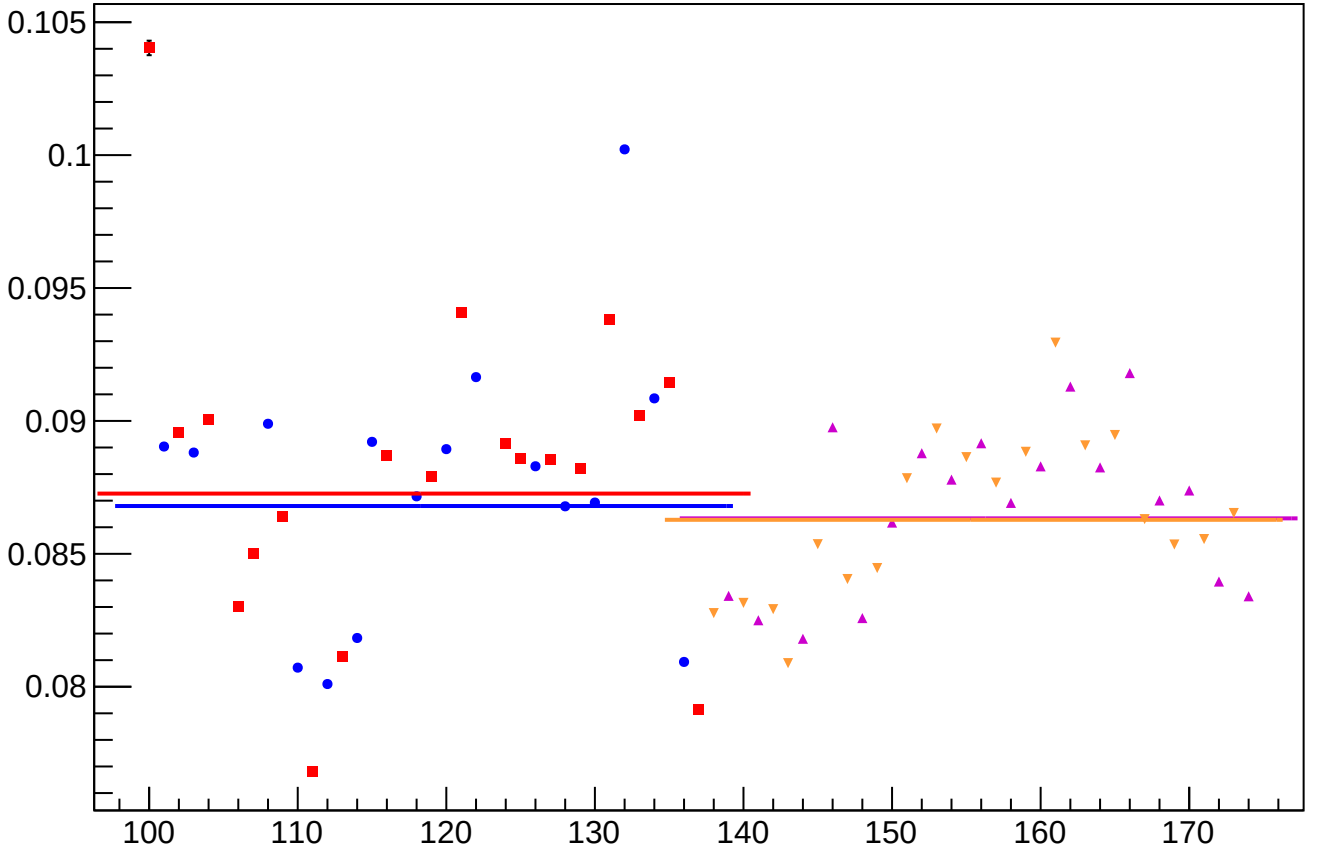
Right: -0.648+/-0.000 χ^2/NDF: 788347373.4/34

In: -0.951+/-0.000 χ^2/NDF:1485694838.9/33

Out: -0.919+/-0.000 χ^2/NDF:1637196393.2/37

All: -0.935+/-0.000 χ^2/NDF: 3124404866.2/7

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.087+/-0.000 χ^2/NDF: 43575.8/15

Left Out: 0.086+/-0.000 χ^2/NDF:33702.4/18

Right Out: 0.087+/-0.000 χ^2/NDF: 46163.9/18

Left In: 0.086+/-0.000 χ^2/NDF:34652.3/17

Left: 0.086+/-0.000 χ^2/NDF: 68360.5/36

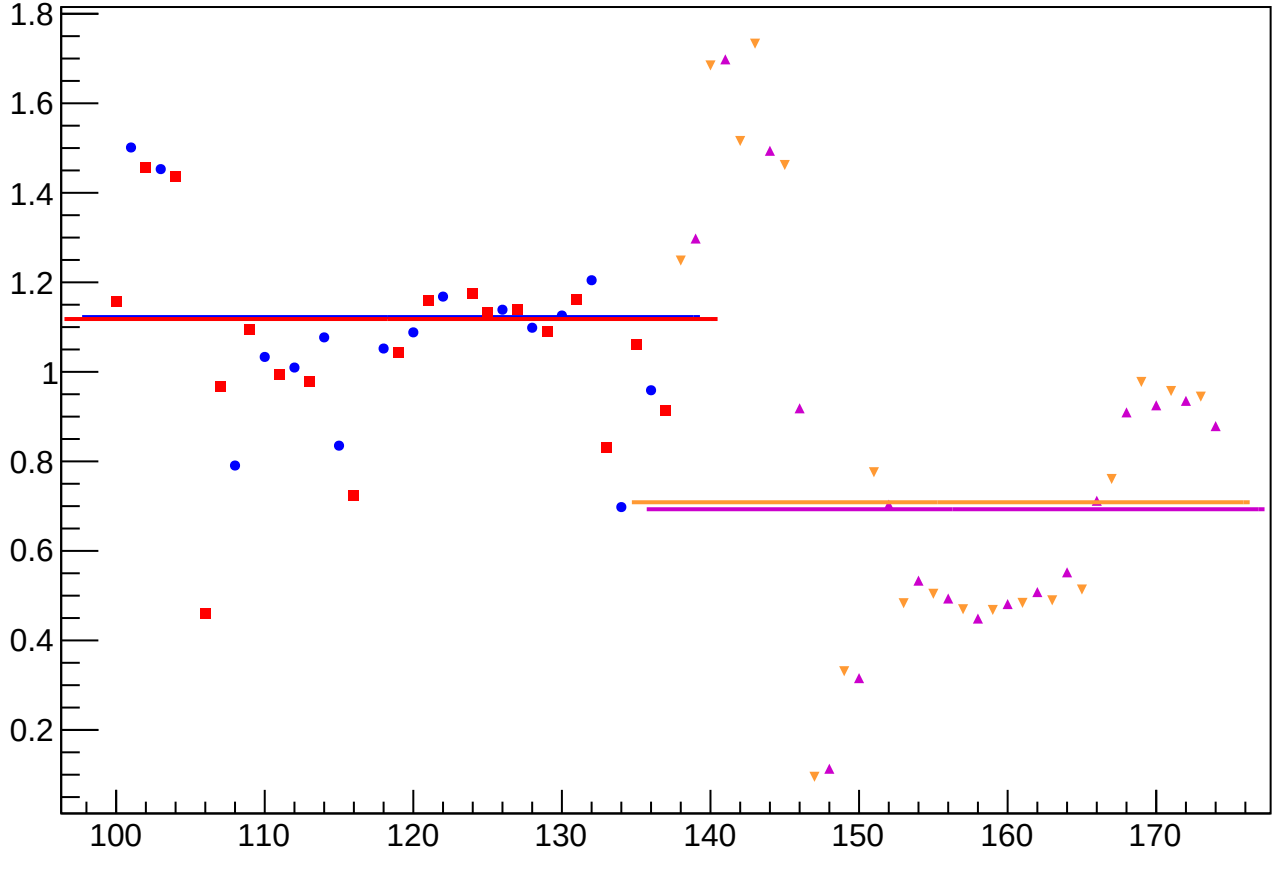
Right: 0.087+/-0.000 χ^2/NDF: 89950.5/34

In: 0.086+/-0.000 χ^2/NDF:78505.3/33

Out: 0.087+/-0.000 χ^2/NDF:81144.8/37

All: 0.087+/-0.000 χ^2/NDF: 159691.4/71

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.122+/-0.000 χ^2/NDF: 1454303379.1/15

Left Out: 0.709+/-0.000 χ^2/NDF:30969247789.6/18

Right Out: 1.118+/-0.000 χ^2/NDF: 1570269350.9/18

Left In: 0.693+/-0.000 χ^2/NDF:24254355633.6/17

Left: 0.701+/-0.000 χ^2/NDF: 55250160003.1/36

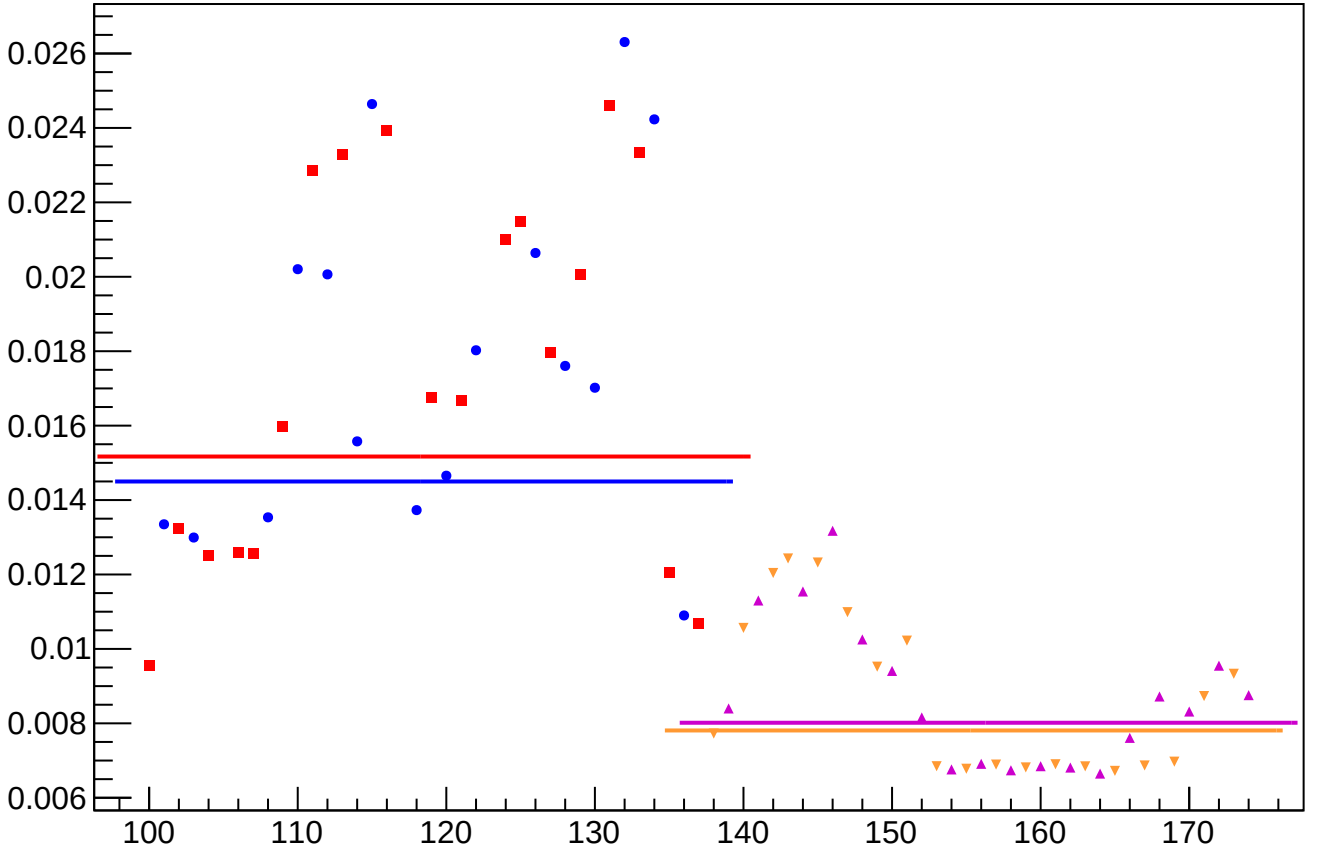
Right: 1.120+/-0.000 χ^2/NDF: 3024831149.0/34

In: 0.744+/-0.000 χ^2/NDF:30323193990.0/33

Out: 0.752+/-0.000 χ^2/NDF:36534672655.5/37

All: 0.748+/-0.000 χ^2/NDF: 66865728051.3/7

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 710345.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1192711.7/18

Right Out: 0.015+/-0.000 χ^2/NDF: 864637.6/18

Left In: 0.008+/-0.000 χ^2/NDF:1007718.7/17

Left: 0.008+/-0.000 χ^2/NDF: 2209800.0/36

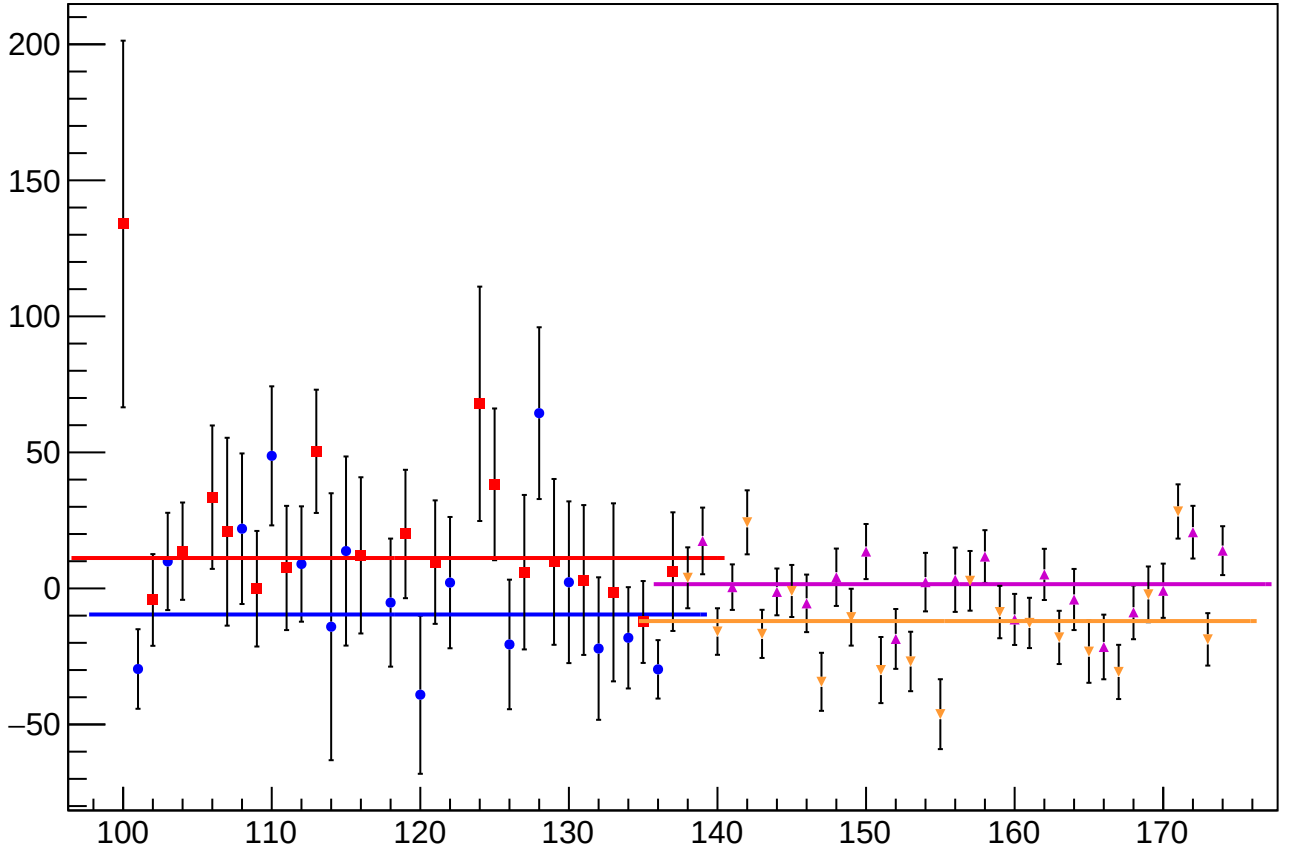
Right: 0.015+/-0.000 χ^2/NDF: 1587355.3/34

In: 0.009+/-0.000 χ^2/NDF:3822689.5/33

Out: 0.009+/-0.000 χ^2/NDF:4640809.4/37

All: 0.009+/-0.000 χ^2/NDF: 8473080.2/71

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -9.581+/-5.291 χ^2/NDF: 21.9/15

Left Out: -12.000+/-2.350 χ^2/NDF:53.4/18

Right Out: 11.177+/-5.497 χ^2/NDF: 13.9/18

Left In: 1.563+/-2.371 χ^2/NDF:21.2/17

Left: -5.278+/-1.669 χ^2/NDF: 91.1/36

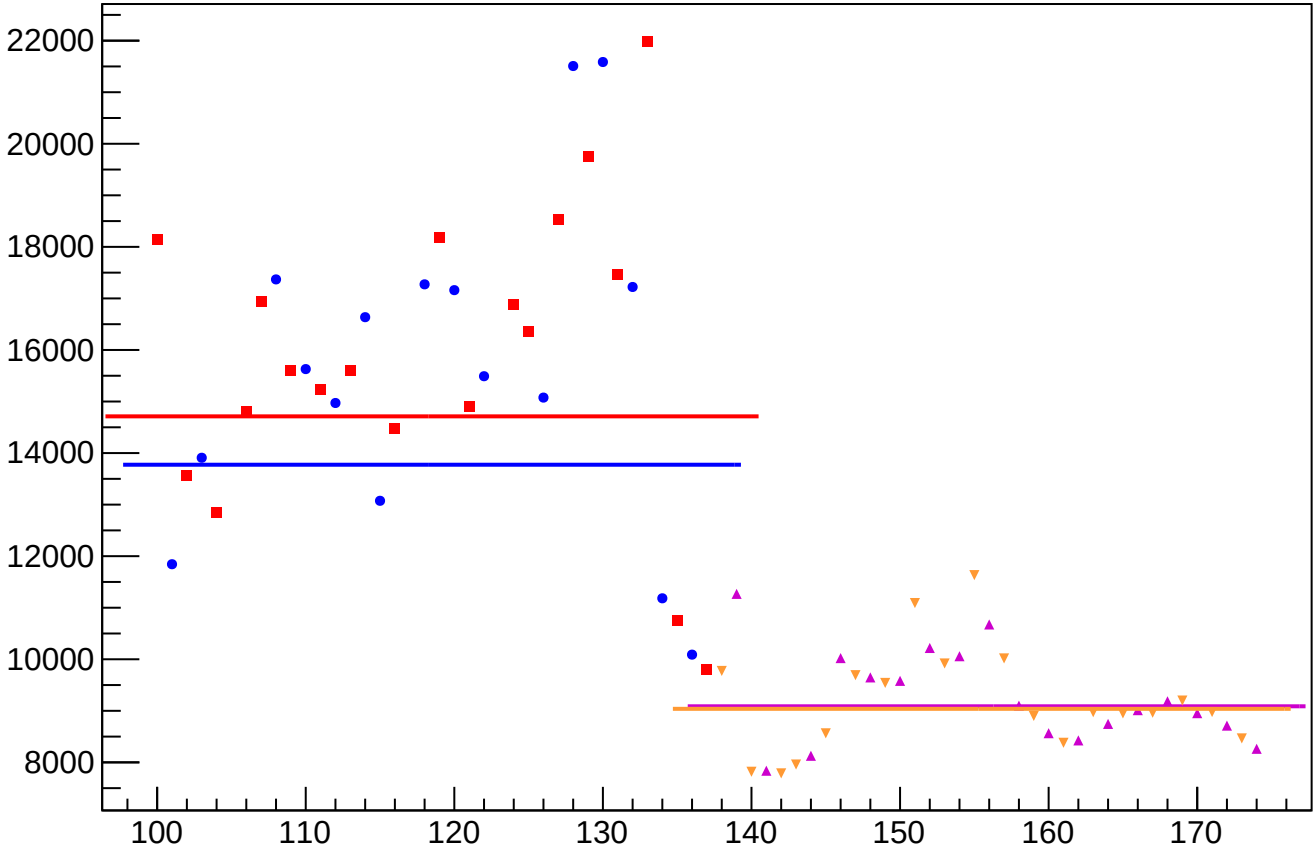
Right: 0.401+/-3.812 χ^2/NDF: 43.2/34

In: -0.301+/-2.164 χ^2/NDF:46.8/33

Out: -8.418+/-2.161 χ^2/NDF:82.3/37

All: -4.364+/-1.529 χ^2/NDF: 136.2/71

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 13773.886+/-3.741 χ^2/NDF: 747586.2/15

Left Out: 9038.739+/-1.662 χ^2/NDF:304795.3/18

Right Out: 14712.201+/-3.887 χ^2/NDF: 557305.5/18

Left In: 9087.872+/-1.677 χ^2/NDF:270839.5/17

Left: 9063.088+/-1.180 χ^2/NDF: 576067.9/36

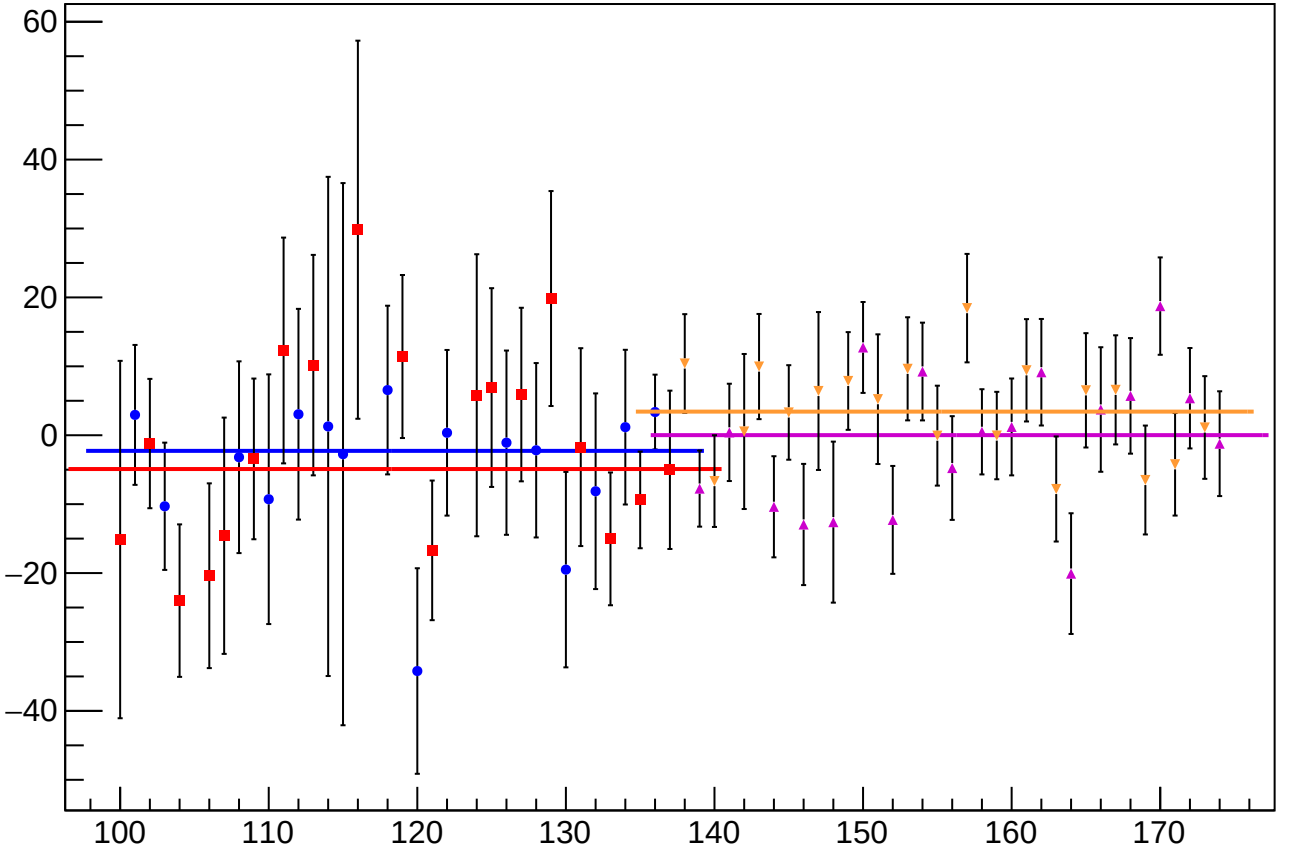
Right: 14225.090+/-2.695 χ^2/NDF: 1335141.9/34

In: 9871.750+/-1.530 χ^2/NDF:2324933.8/33

Out: 9915.615+/-1.528 χ^2/NDF:2663179.4/37

All: 9893.710+/-1.081 χ^2/NDF: 4988524.7/71

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -2.267+/-2.922 χ^2/NDF: 9.3/15

Left Out: 3.429+/-1.759 χ^2/NDF:15.3/18

Right Out: -4.904+/-2.836 χ^2/NDF: 17.6/18

Left In: 0.015+/-1.748 χ^2/NDF:30.5/17

Left: 1.710+/-1.240 χ^2/NDF: 47.7/36

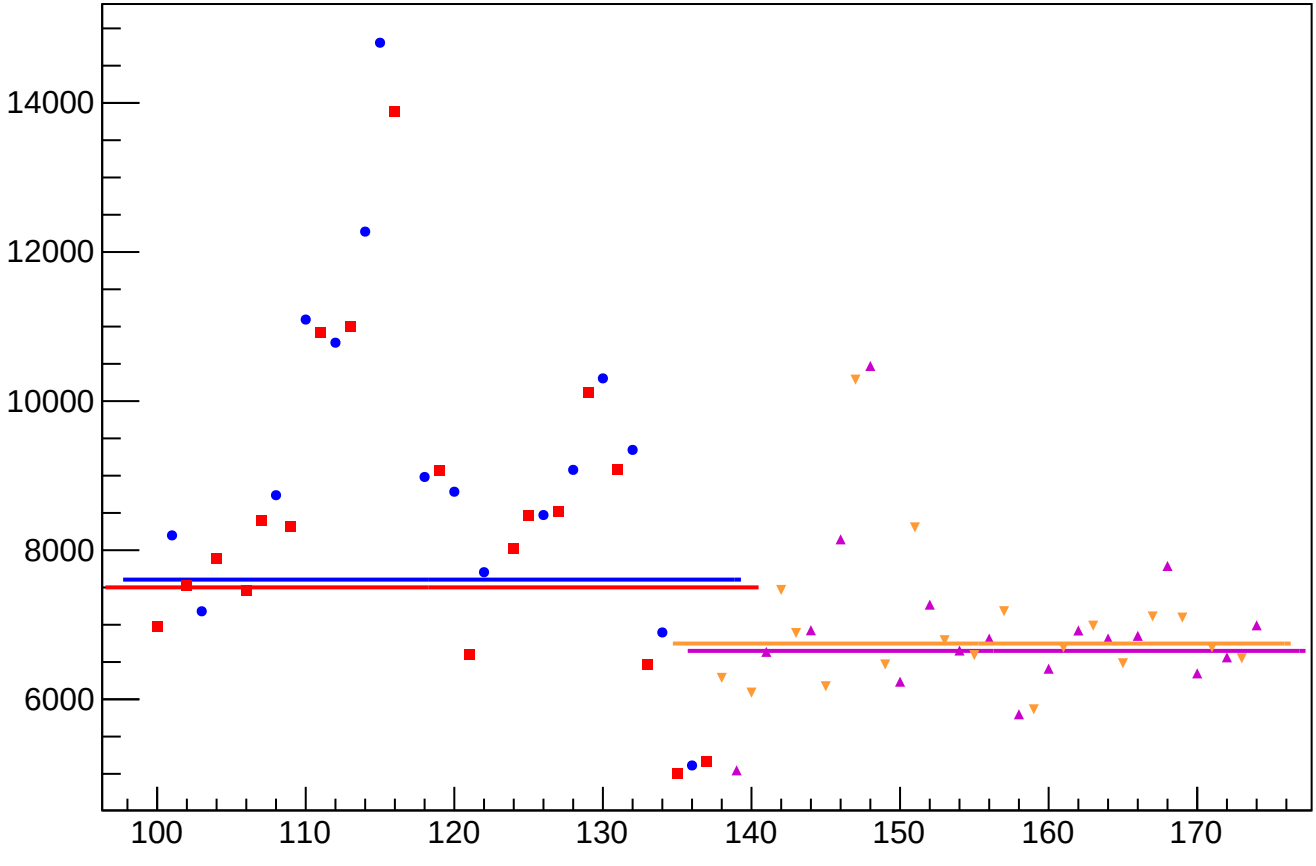
Right: -3.625+/-2.035 χ^2/NDF: 27.3/34

In: -0.587+/-1.500 χ^2/NDF:40.3/33

Out: 1.113+/-1.495 χ^2/NDF:39.1/37

All: 0.266+/-1.059 χ^2/NDF: 80.0/71

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7605.700+/-2.066 χ^2/NDF: 891494.3/15

Left Out: 6748.047+/-1.244 χ^2/NDF:359110.3/18

Right Out: 7501.522+/-2.005 χ^2/NDF: 823557.5/18

Left In: 6649.471+/-1.236 χ^2/NDF:553878.2/17

Left: 6698.432+/-0.877 χ^2/NDF: 916148.4/36

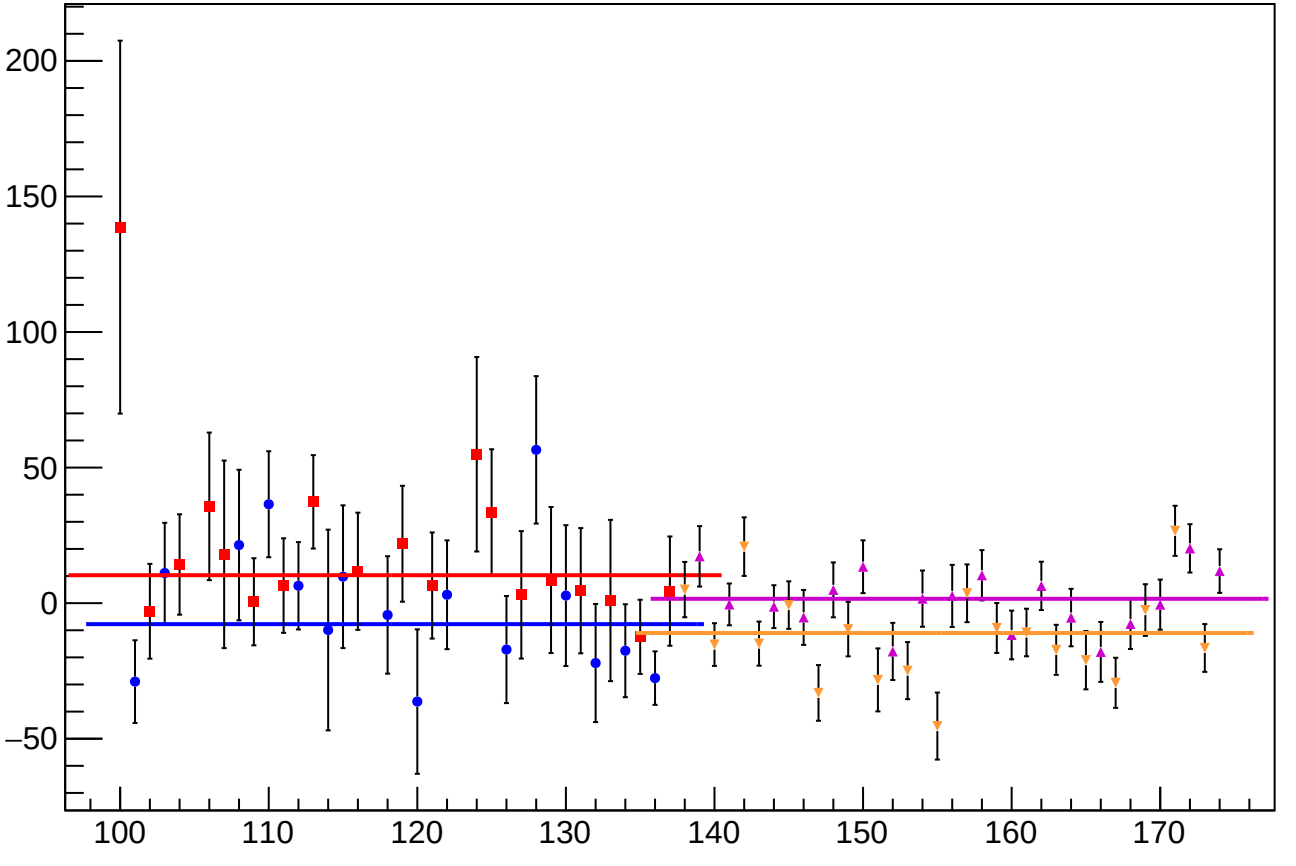
Right: 7552.053+/-1.439 χ^2/NDF: 1716360.9/34

In: 6901.437+/-1.061 χ^2/NDF:1603117.1/33

Out: 6957.455+/-1.057 χ^2/NDF:1284611.2/37

All: 6929.537+/-0.749 χ^2/NDF: 2889127.6/71

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -7.741+/-4.748 χ^2/NDF: 22.7/15

Left Out: -11.006+/-2.203 χ^2/NDF:54.4/18

Right Out: 10.307+/-4.840 χ^2/NDF: 13.9/18

Left In: 1.606+/-2.225 χ^2/NDF:21.6/17

Left: -4.762+/-1.565 χ^2/NDF: 92.2/36

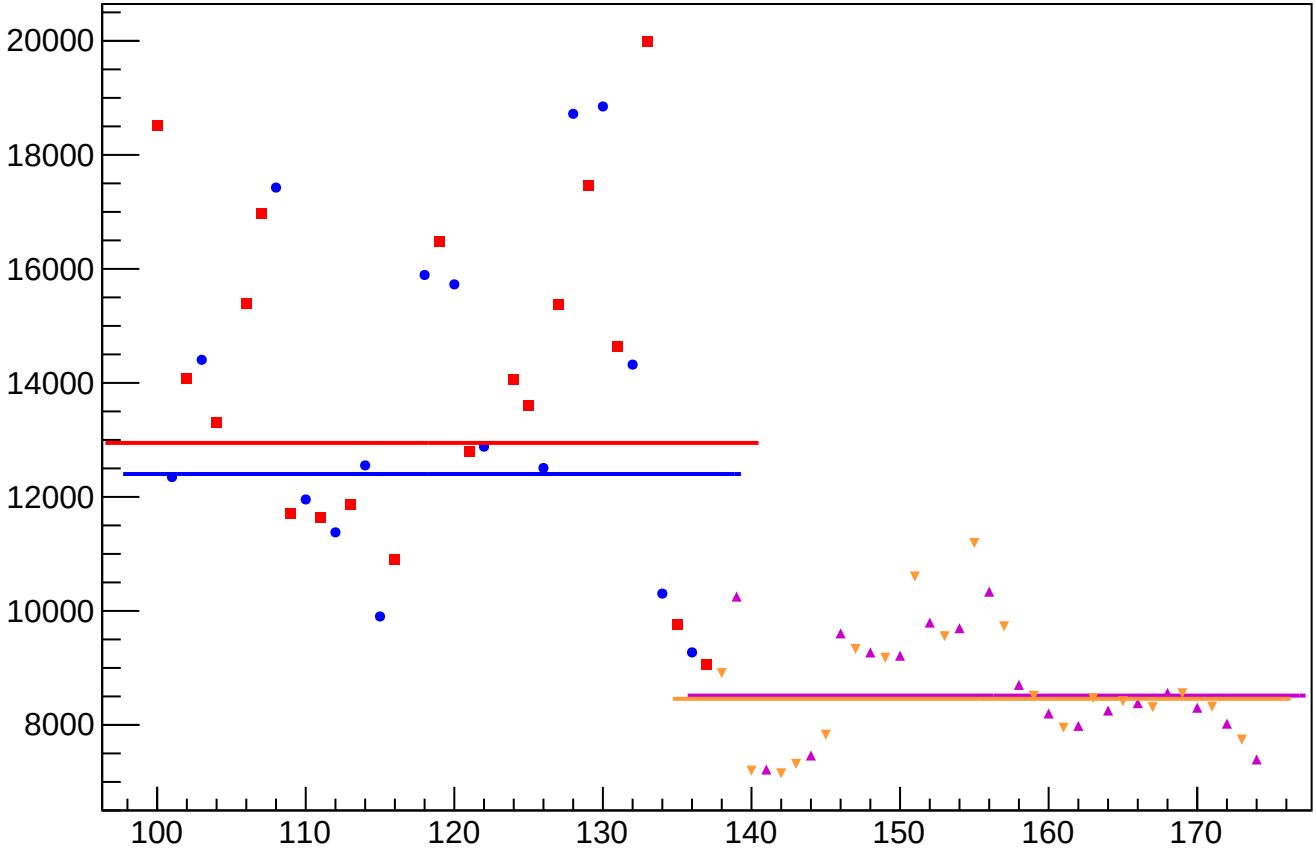
Right: 1.111+/-3.389 χ^2/NDF: 43.7/34

In: -0.077+/-2.014 χ^2/NDF:47.5/33

Out: -7.348+/-2.005 χ^2/NDF:84.4/37

All: -3.729+/-1.421 χ^2/NDF: 138.4/71

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12401.769+/-3.357 χ^2/NDF: 678310.8/15

Left Out: 8458.075+/-1.558 χ^2/NDF:396266.6/18

Right Out: 12947.255+/-3.422 χ^2/NDF: 555198.3/18

Left In: 8514.400+/-1.573 χ^2/NDF:349465.6/17

Left: 8485.964+/-1.107 χ^2/NDF: 746379.5/36

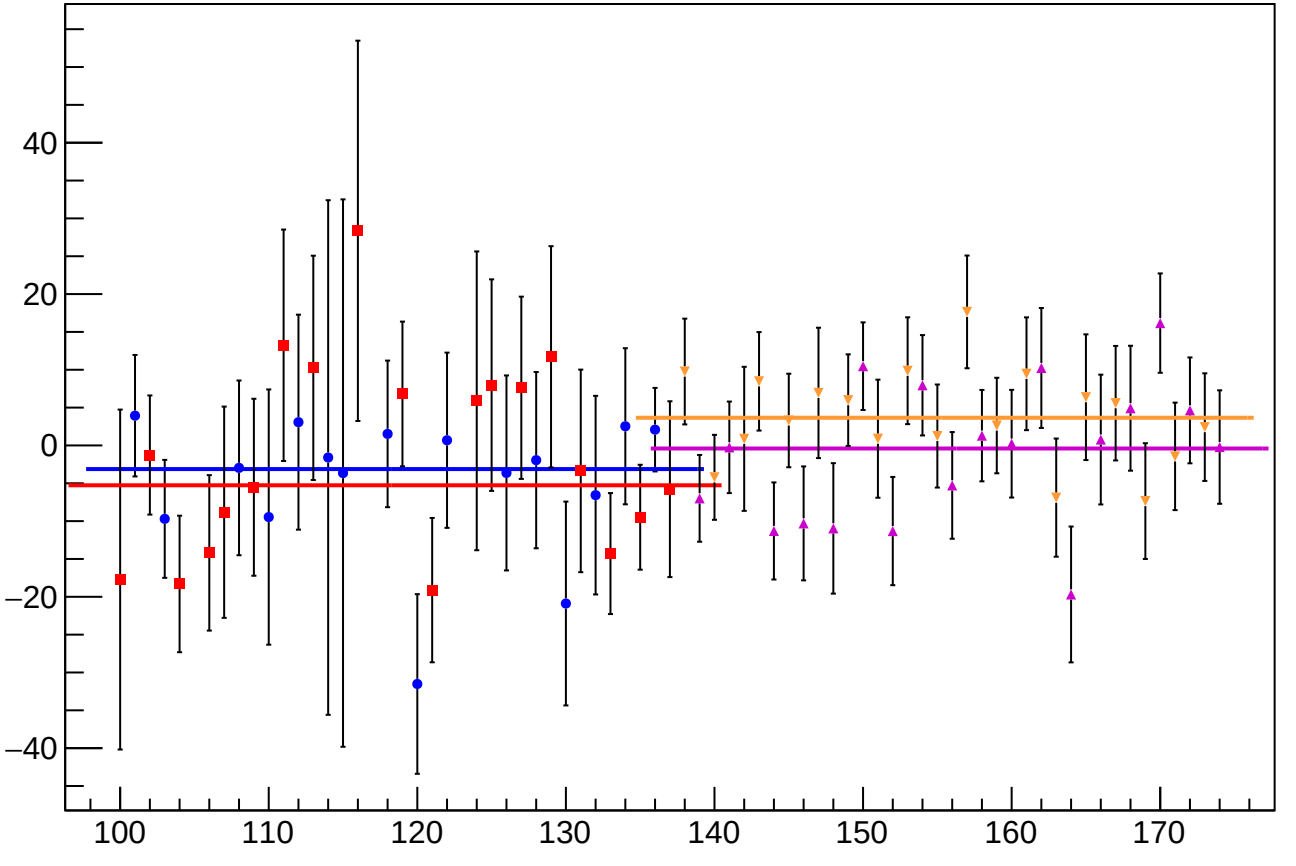
Right: 12669.304+/-2.397 χ^2/NDF: 1246455.4/34

In: 9214.082+/-1.424 χ^2/NDF:2127061.4/33

Out: 9228.597+/-1.418 χ^2/NDF:2376888.8/37

All: 9221.373+/-1.005 χ^2/NDF: 4504002.4/71

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -3.123+/-2.656 χ^2/NDF: 10.9/15

Left Out: 3.659+/-1.626 χ^2/NDF:13.5/18

Right Out: -5.265+/-2.553 χ^2/NDF: 16.9/18

Left In: -0.406+/-1.642 χ^2/NDF:29.2/17

Left: 1.647+/-1.156 χ^2/NDF: 45.8/36

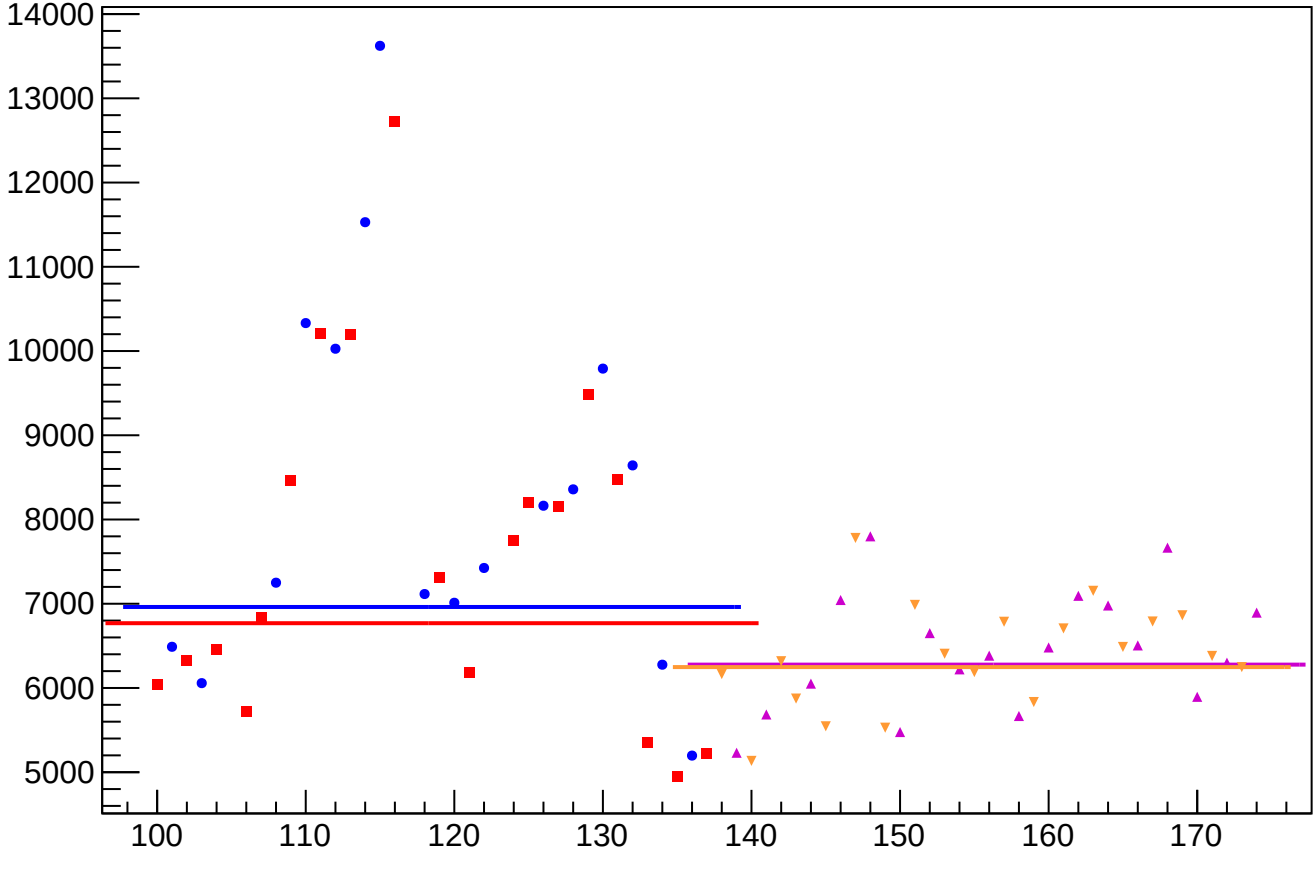
Right: -4.236+/-1.840 χ^2/NDF: 28.1/34

In: -1.158+/-1.397 χ^2/NDF:40.8/33

Out: 1.084+/-1.372 χ^2/NDF:39.1/37

All: -0.016+/-0.979 χ^2/NDF: 81.2/71

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 6961.606+/-1.878 χ^2/NDF: 696410.4/15

Left Out: 6247.986+/-1.150 χ^2/NDF:301413.5/18

Right Out: 6768.993+/-1.805 χ^2/NDF: 798105.0/18

Left In: 6277.226+/-1.161 χ^2/NDF:349651.7/17

Left: 6262.460+/-0.817 χ^2/NDF: 651385.3/36

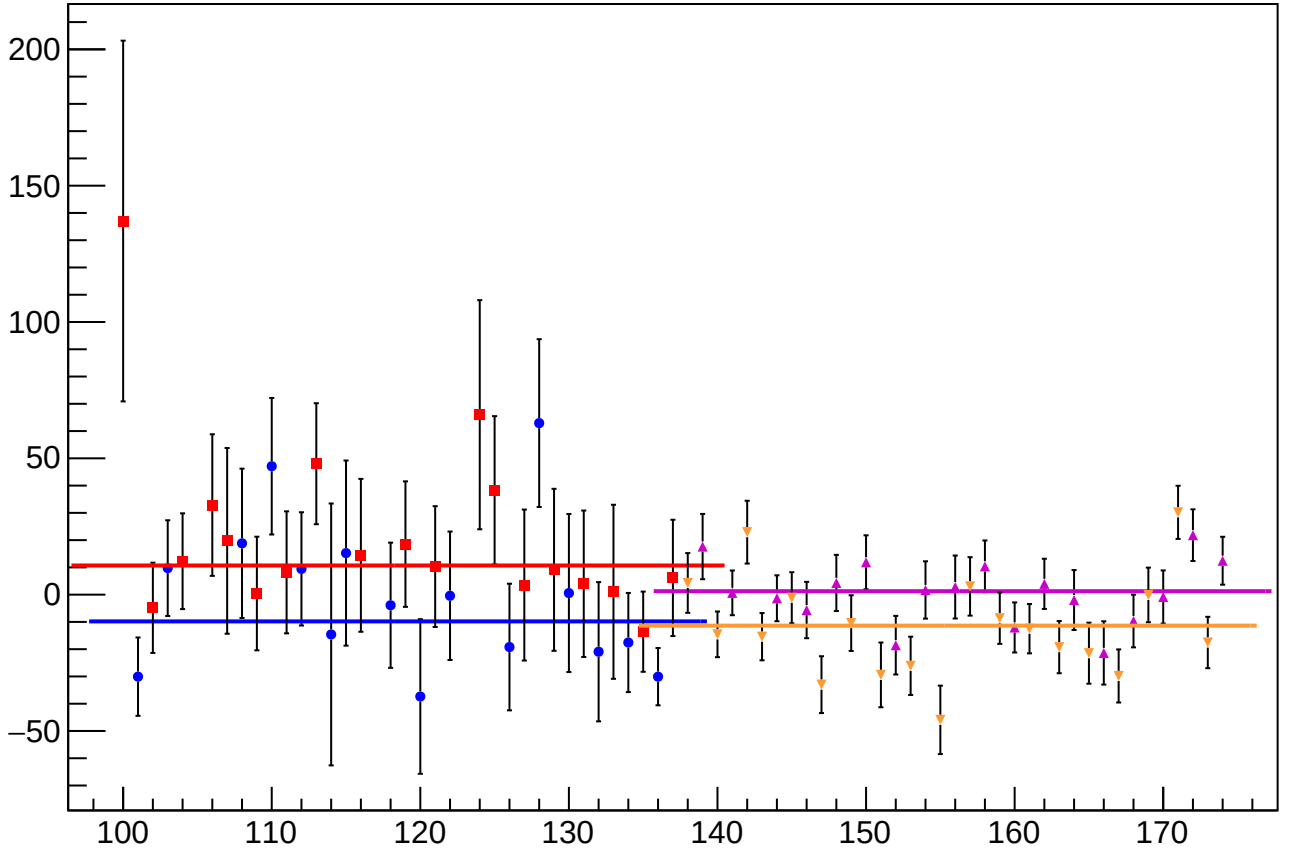
Right: 6861.506+/-1.301 χ^2/NDF: 1499983.0/34

In: 6466.574+/-0.988 χ^2/NDF:1142137.6/33

Out: 6398.346+/-0.970 χ^2/NDF:1158772.2/37

All: 6431.836+/-0.692 χ^2/NDF: 2303339.1/71

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -9.810+/-5.178 χ^2/NDF: 22.0/15

Left Out: -11.365+/-2.298 χ^2/NDF:55.4/18

Right Out: 10.703+/-5.381 χ^2/NDF: 14.3/18

Left In: 1.270+/-2.319 χ^2/NDF:21.7/17

Left: -5.103+/-1.632 χ^2/NDF: 92.1/36

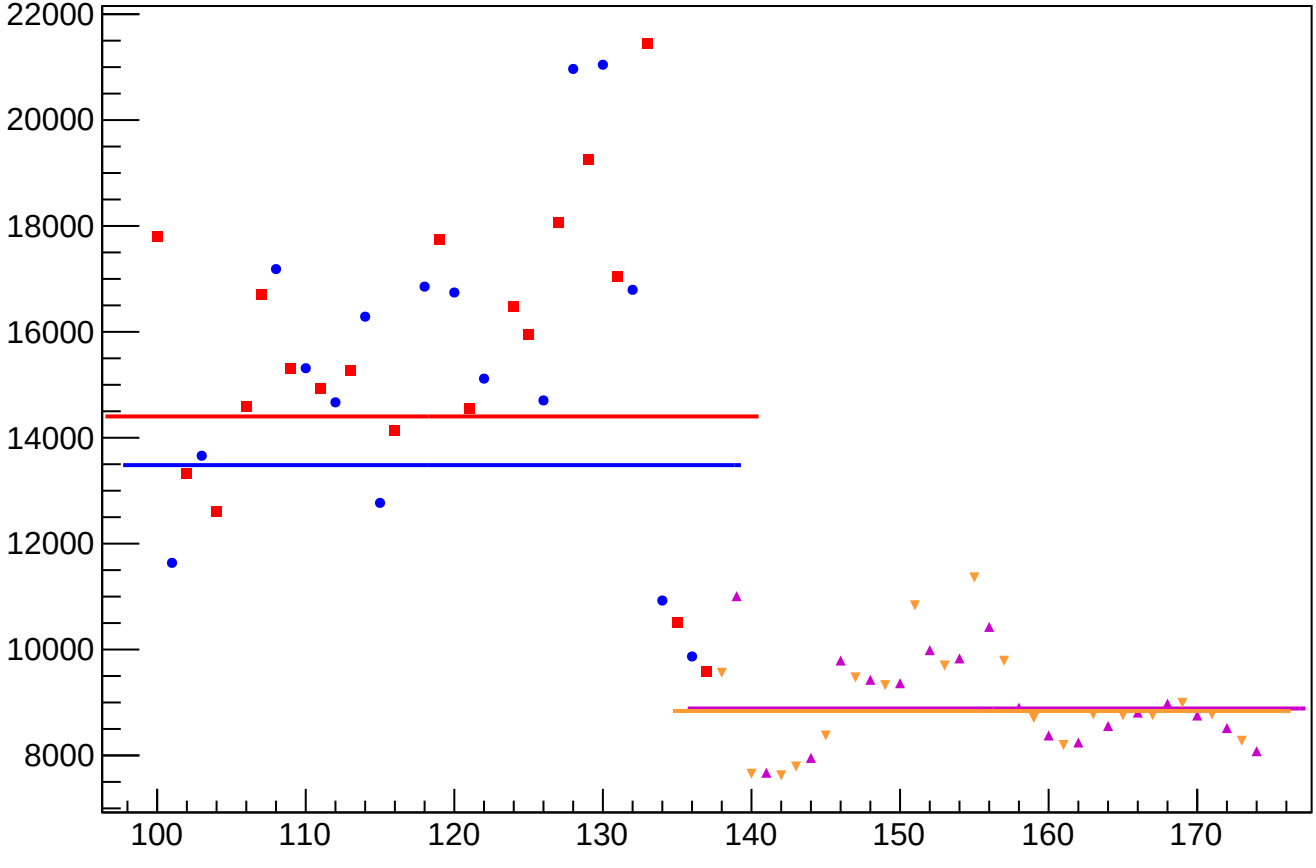
Right: 0.053+/-3.731 χ^2/NDF: 43.9/34

In: -0.581+/-2.116 χ^2/NDF:47.6/33

Out: -7.960+/-2.114 χ^2/NDF:84.0/37

All: -4.275+/-1.495 χ^2/NDF: 137.6/71

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13482.879+/-3.661 χ^2/NDF: 743704.4/15

Left Out: 8839.641+/-1.625 χ^2/NDF:301709.0/18

Right Out: 14402.670+/-3.805 χ^2/NDF: 552430.0/18

Left In: 8886.565+/-1.639 χ^2/NDF:267939.3/17

Left: 8862.898+/-1.154 χ^2/NDF: 570061.4/36

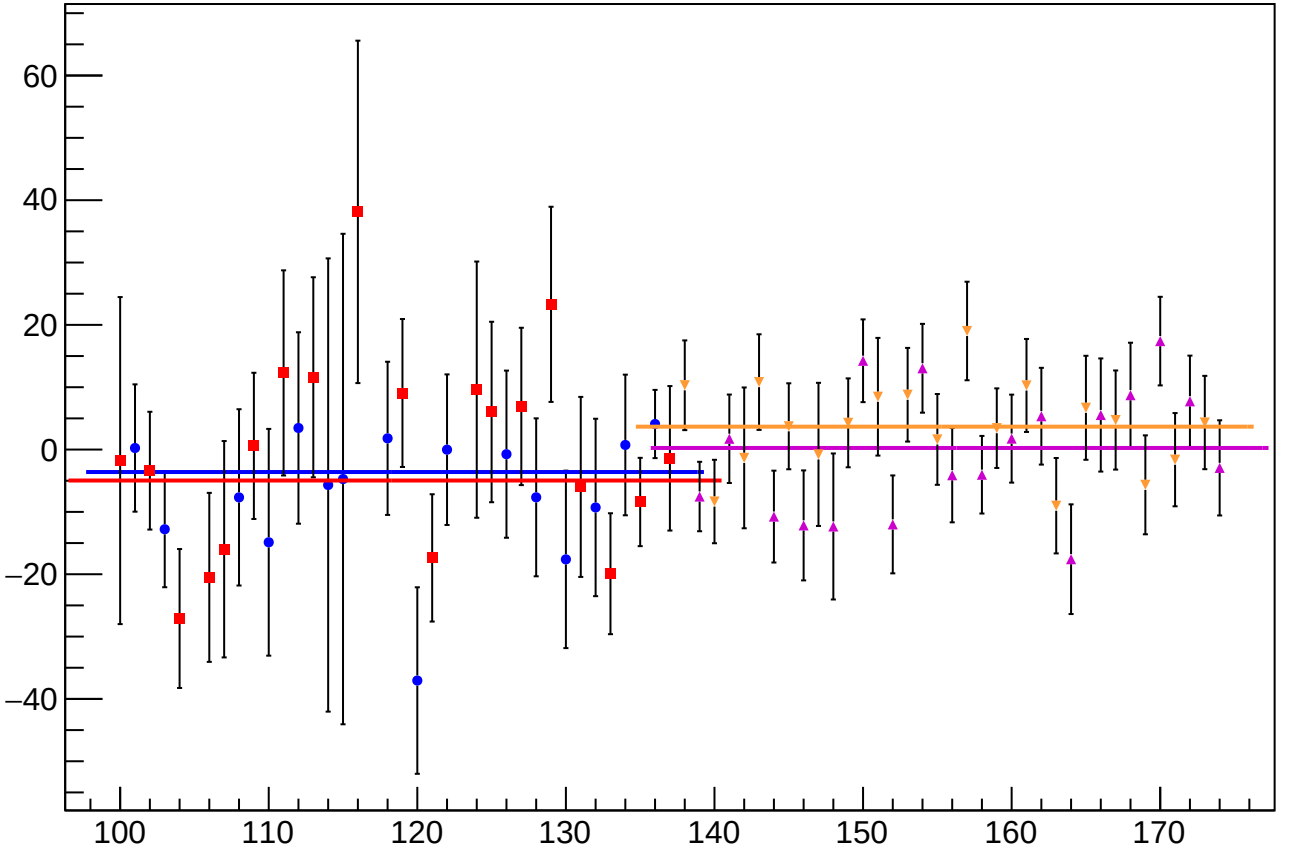
Right: 13925.139+/-2.638 χ^2/NDF: 1326477.7/34

In: 9654.214+/-1.496 χ^2/NDF:2324305.8/33

Out: 9698.091+/-1.495 χ^2/NDF:2662158.7/37

All: 9676.178+/-1.057 χ^2/NDF: 4986894.9/71

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -3.605+/-2.940 χ^2/NDF: 10.5/15

Left Out: 3.671+/-1.768 χ^2/NDF:15.4/18

Right Out: -4.965+/-2.855 χ^2/NDF: 21.4/18

Left In: 0.255+/-1.757 χ^2/NDF:31.3/17

Left: 1.952+/-1.246 χ^2/NDF: 48.6/36

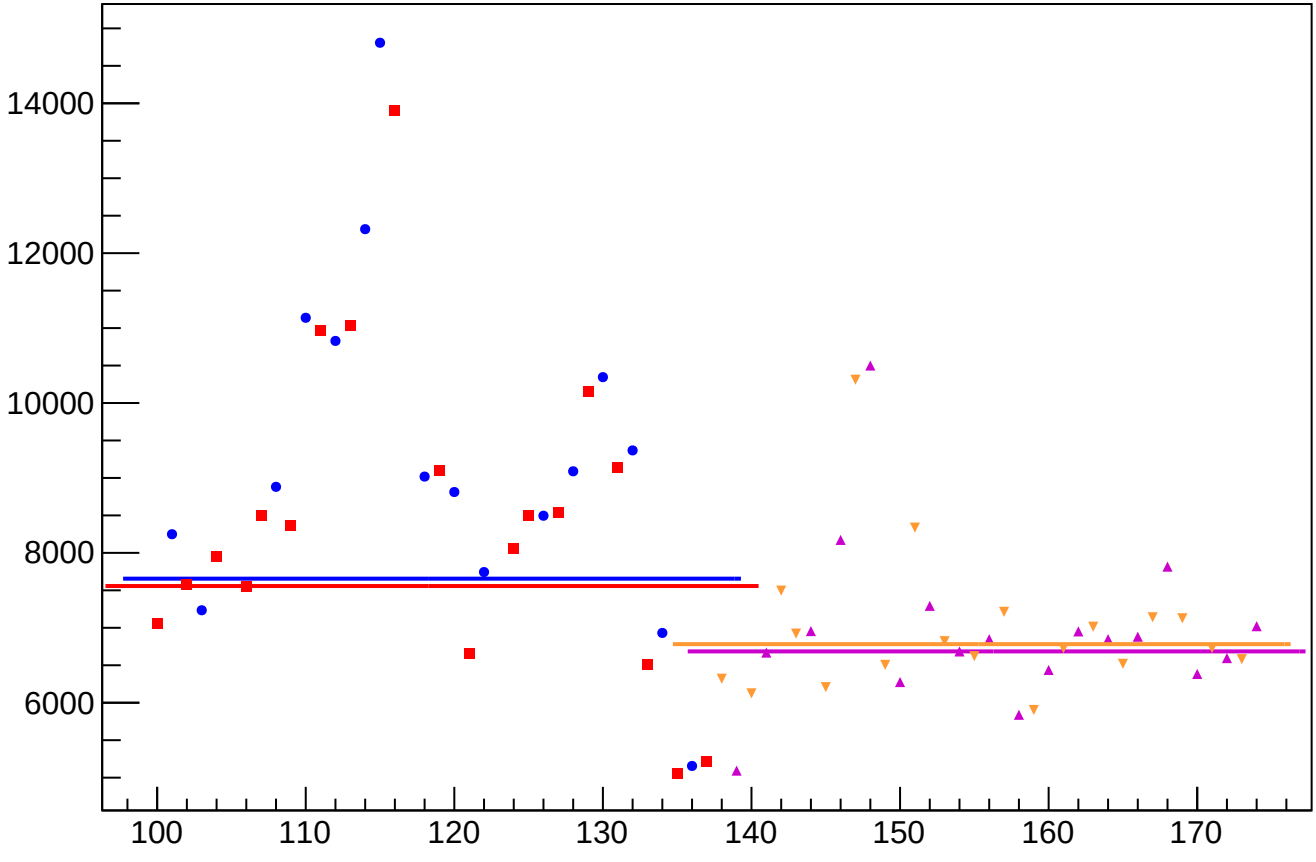
Right: -4.305+/-2.048 χ^2/NDF: 32.0/34

In: -0.761+/-1.508 χ^2/NDF:43.0/33

Out: 1.278+/-1.503 χ^2/NDF:43.4/37

All: 0.262+/-1.065 χ^2/NDF: 87.4/71

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7655.851+/-2.079 χ^2/NDF: 879769.7/15

Left Out: 6781.786+/-1.250 χ^2/NDF:354476.2/18

Right Out: 7557.497+/-2.019 χ^2/NDF: 809860.3/18

Left In: 6685.038+/-1.242 χ^2/NDF:542985.8/17

Left: 6733.104+/-0.881 χ^2/NDF: 900475.8/36

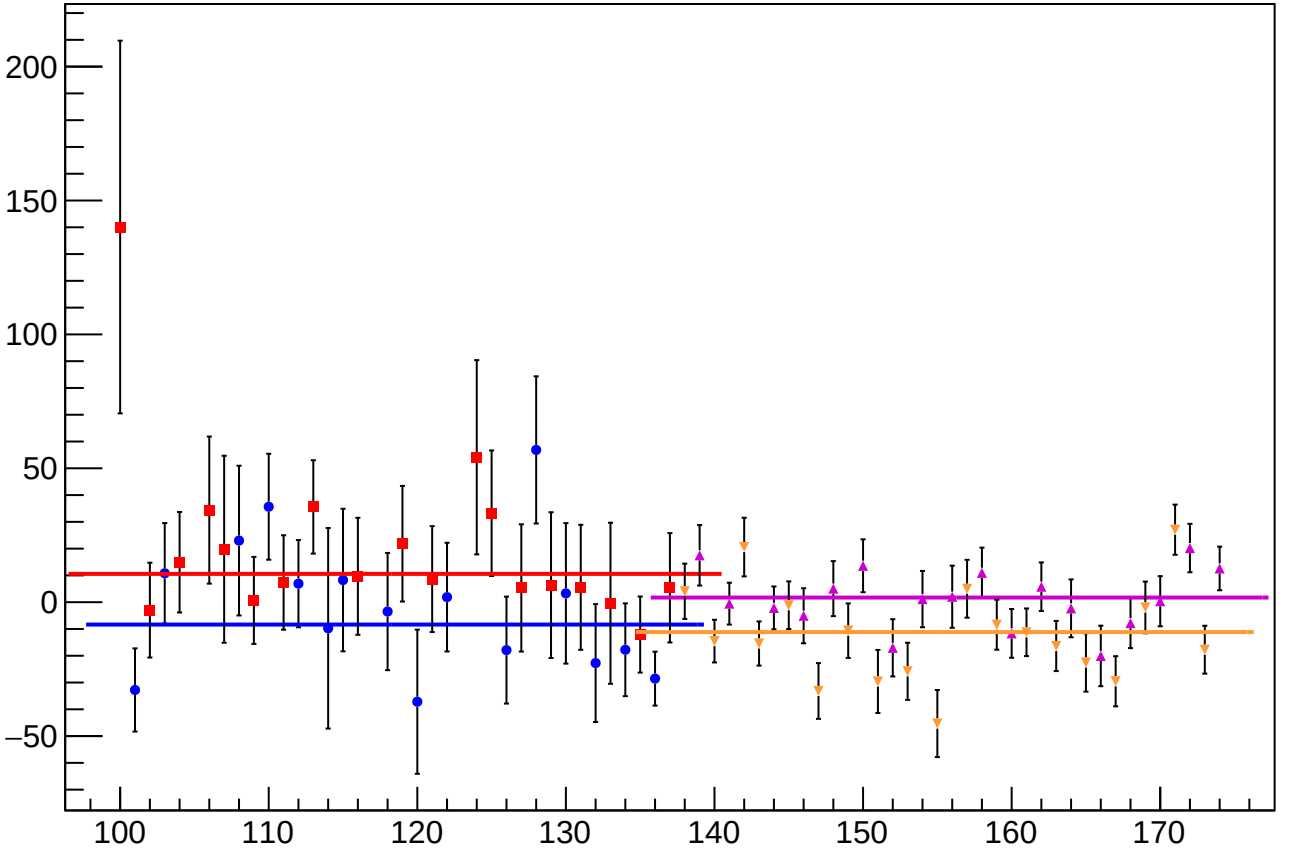
Right: 7605.240+/-1.448 χ^2/NDF: 1690781.9/34

In: 6940.460+/-1.066 χ^2/NDF:1583460.8/33

Out: 6996.744+/-1.063 χ^2/NDF:1271035.2/37

All: 6968.693+/-0.753 χ^2/NDF: 2855893.5/71

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -8.352+/-4.814 χ^2/NDF: 23.2/15

Left Out: -11.168+/-2.232 χ^2/NDF:54.2/18

Right Out: 10.573+/-4.911 χ^2/NDF: 12.9/18

Left In: 1.735+/-2.256 χ^2/NDF:21.6/17

Left: -4.786+/-1.587 χ^2/NDF: 92.3/36

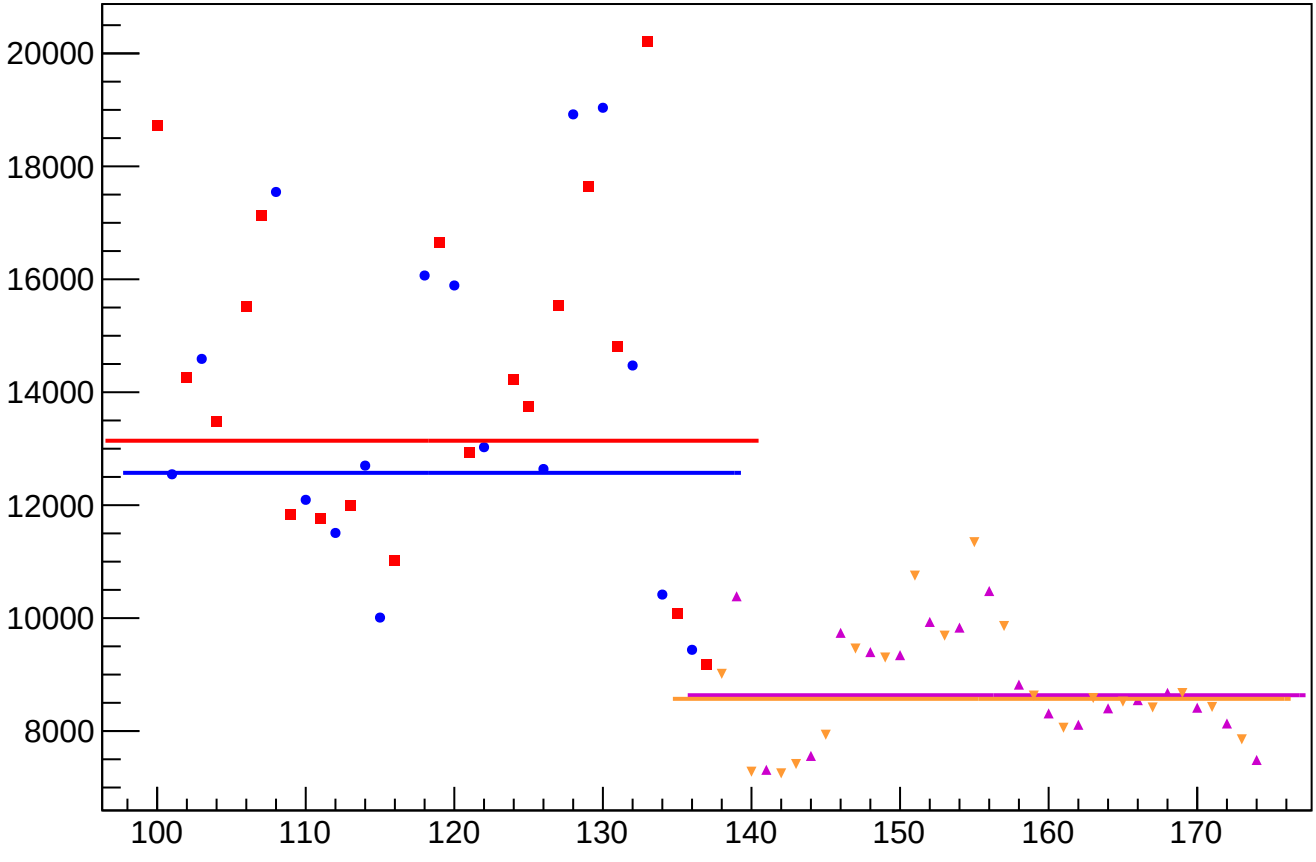
Right: 0.922+/-3.438 χ^2/NDF: 43.7/34

In: -0.082+/-2.043 χ^2/NDF:48.4/33

Out: -7.445+/-2.032 χ^2/NDF:83.4/37

All: -3.783+/-1.441 χ^2/NDF: 138.3/71

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12572.586+/-3.404 χ^2/NDF: 665026.8/15

Left Out: 8570.542+/-1.579 χ^2/NDF:397543.9/18

Right Out: 13141.218+/-3.473 χ^2/NDF: 534726.5/18

Left In: 8634.431+/-1.596 χ^2/NDF:349935.6/17

Left: 8602.145+/-1.122 χ^2/NDF: 748289.7/36

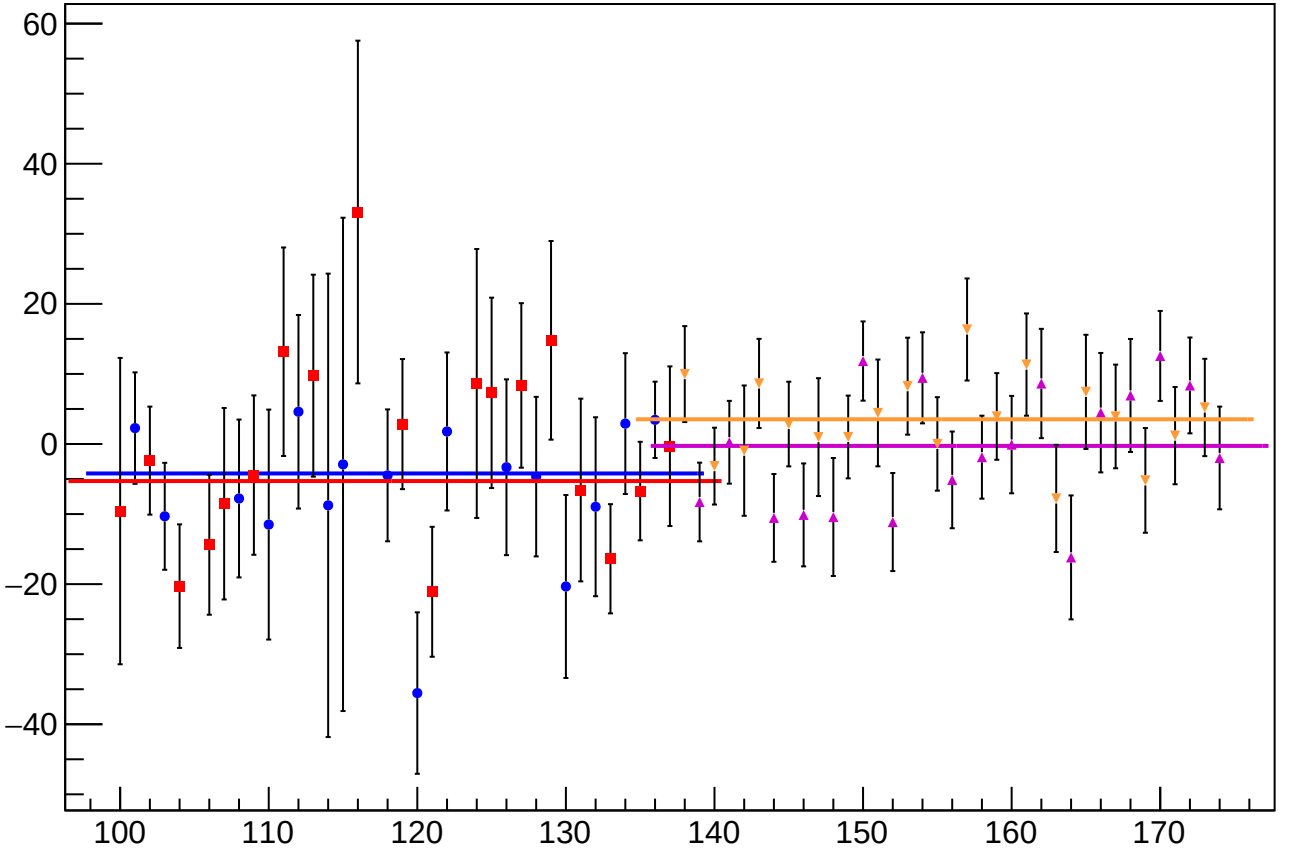
Right: 12851.222+/-2.431 χ^2/NDF: 1213428.5/34

In: 9343.843+/-1.445 χ^2/NDF:2112425.7/33

Out: 9353.282+/-1.437 χ^2/NDF:2368067.7/37

All: 9348.587+/-1.019 χ^2/NDF: 4480514.8/71

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -4.204+/-2.600 χ^2/NDF: 13.9/15

Left Out: 3.529+/-1.591 χ^2/NDF:12.5/18

Right Out: -5.288+/-2.502 χ^2/NDF: 19.7/18

Left In: -0.274+/-1.608 χ^2/NDF:29.1/17

Left: 1.648+/-1.131 χ^2/NDF: 44.4/36

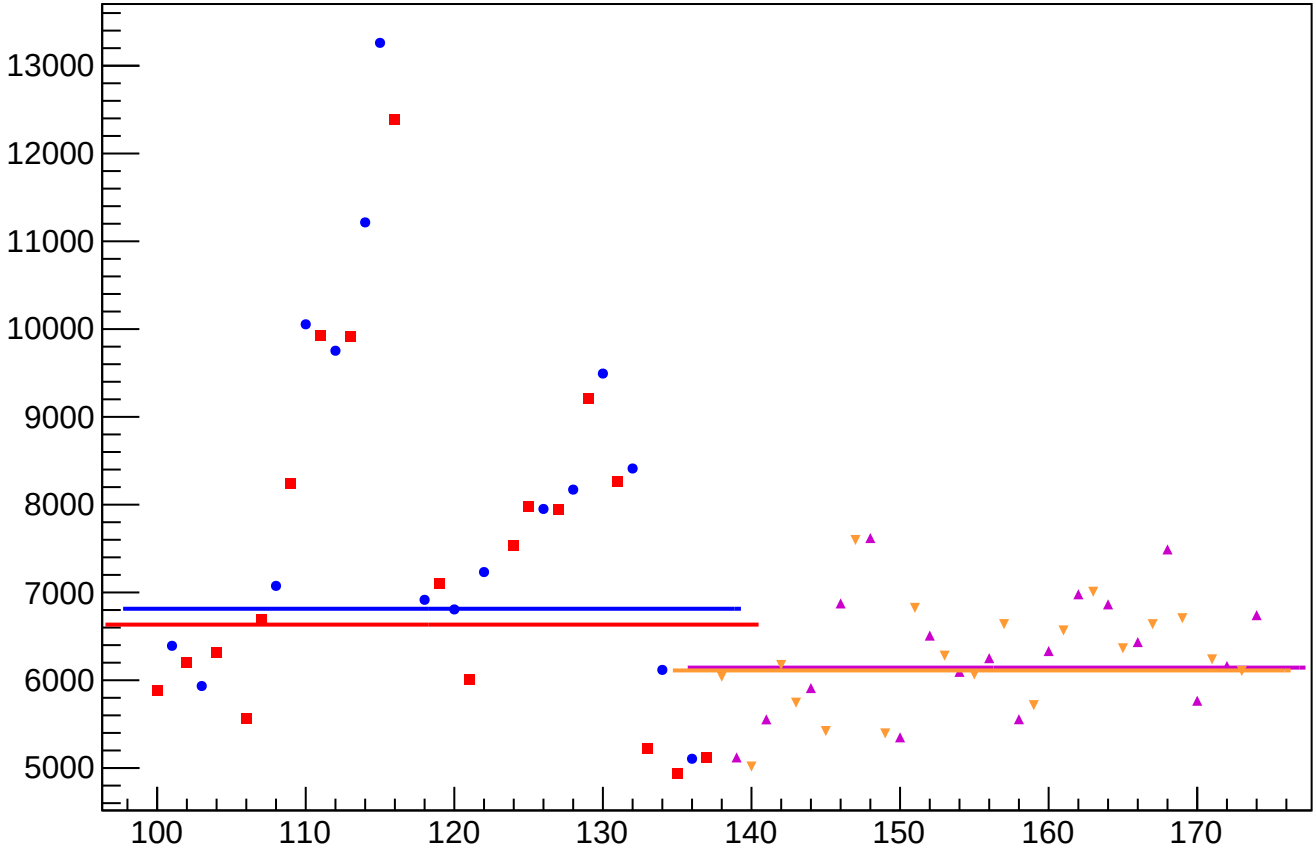
Right: -4.767+/-1.803 χ^2/NDF: 33.7/34

In: -1.361+/-1.368 χ^2/NDF:44.6/33

Out: 0.991+/-1.342 χ^2/NDF:41.1/37

All: -0.163+/-0.958 χ^2/NDF: 87.2/71

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6814.282+/-1.839 χ^2/NDF: 674093.4/15

Left Out: 6111.670+/-1.125 χ^2/NDF:302846.1/18

Right Out: 6633.695+/-1.769 χ^2/NDF: 763347.6/18

Left In: 6143.988+/-1.137 χ^2/NDF:351475.8/17

Left: 6127.652+/-0.800 χ^2/NDF: 654730.2/36

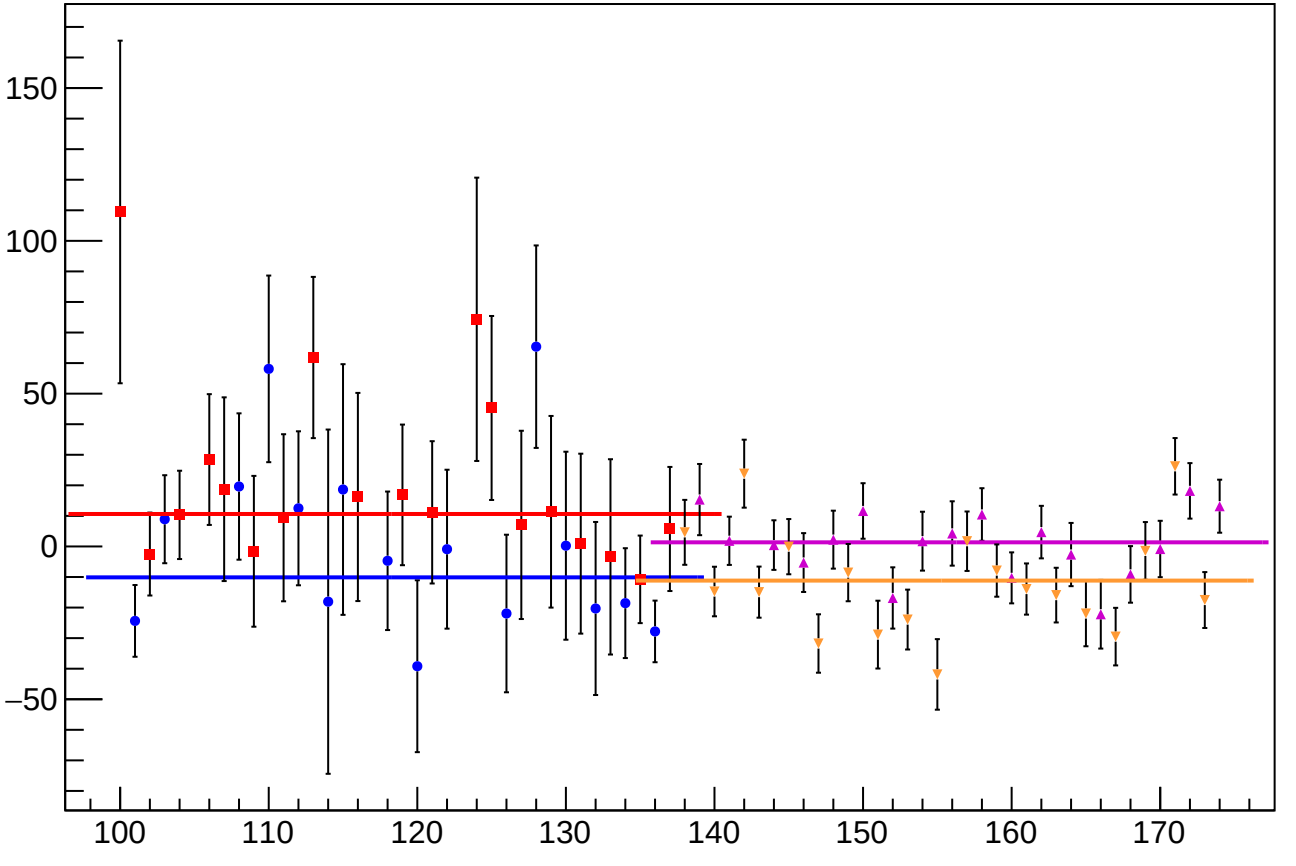
Right: 6720.509+/-1.275 χ^2/NDF: 1442449.8/34

In: 6329.424+/-0.967 χ^2/NDF:1121696.2/33

Out: 6261.927+/-0.949 χ^2/NDF:1128197.1/37

All: 6295.044+/-0.677 χ^2/NDF: 2252374.3/71

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.113+/-5.017 χ^2/NDF: 21.3/15

Left Out: -11.171+/-2.167 χ^2/NDF:55.0/18

Right Out: 10.624+/-5.277 χ^2/NDF: 14.7/18

Left In: 1.350+/-2.183 χ^2/NDF:21.0/17

Left: -4.956+/-1.538 χ^2/NDF: 92.6/36

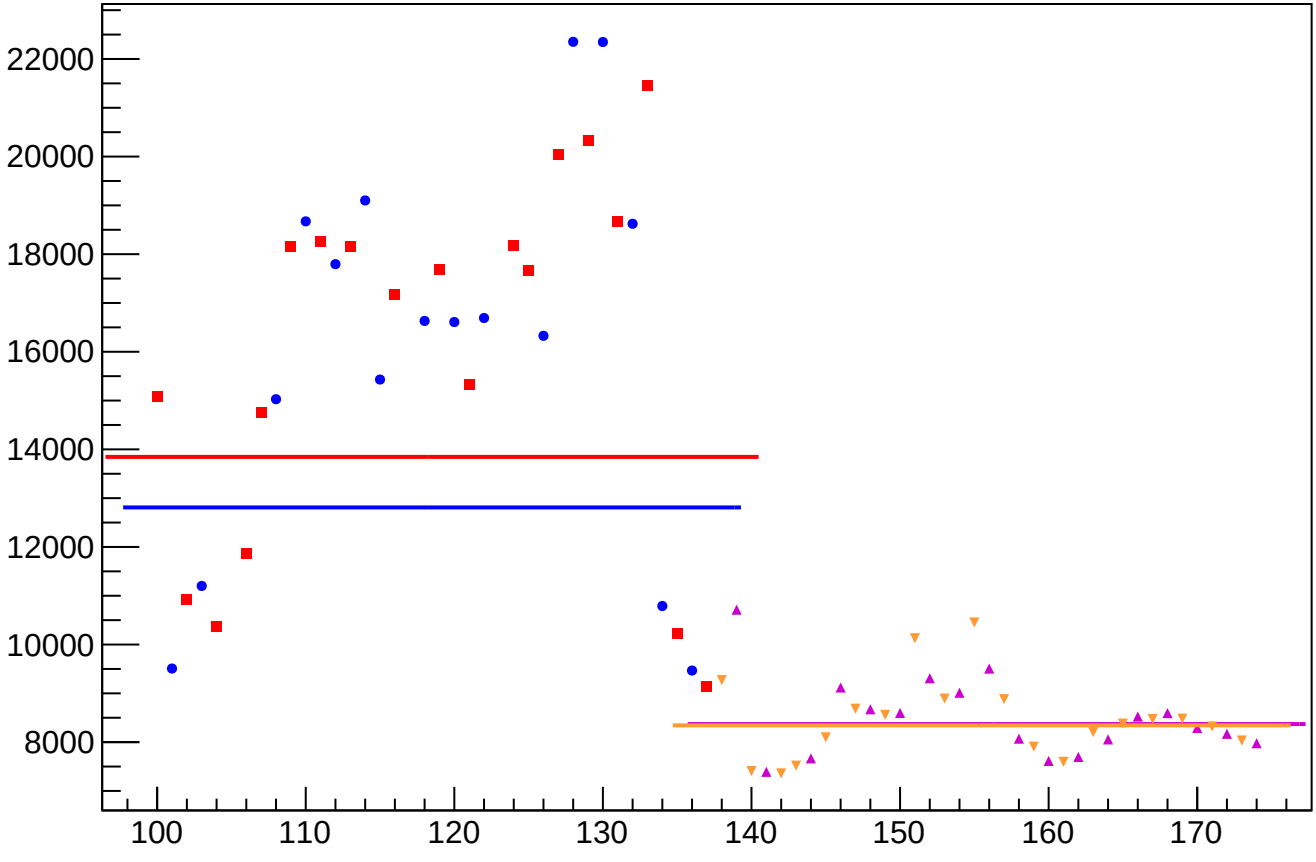
Right: -0.267+/-3.636 χ^2/NDF: 44.1/34

In: -0.475+/-2.002 χ^2/NDF:46.6/33

Out: -8.026+/-2.005 χ^2/NDF:84.4/37

All: -4.244+/-1.416 χ^2/NDF: 138.1/71

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 12809.964+/-3.548 χ^2/NDF: 1248252.1/15

Left Out: 8344.272+/-1.532 χ^2/NDF:237798.2/18

Right Out: 13845.622+/-3.731 χ^2/NDF: 1096555.2/18

Left In: 8370.339+/-1.543 χ^2/NDF:231590.4/17

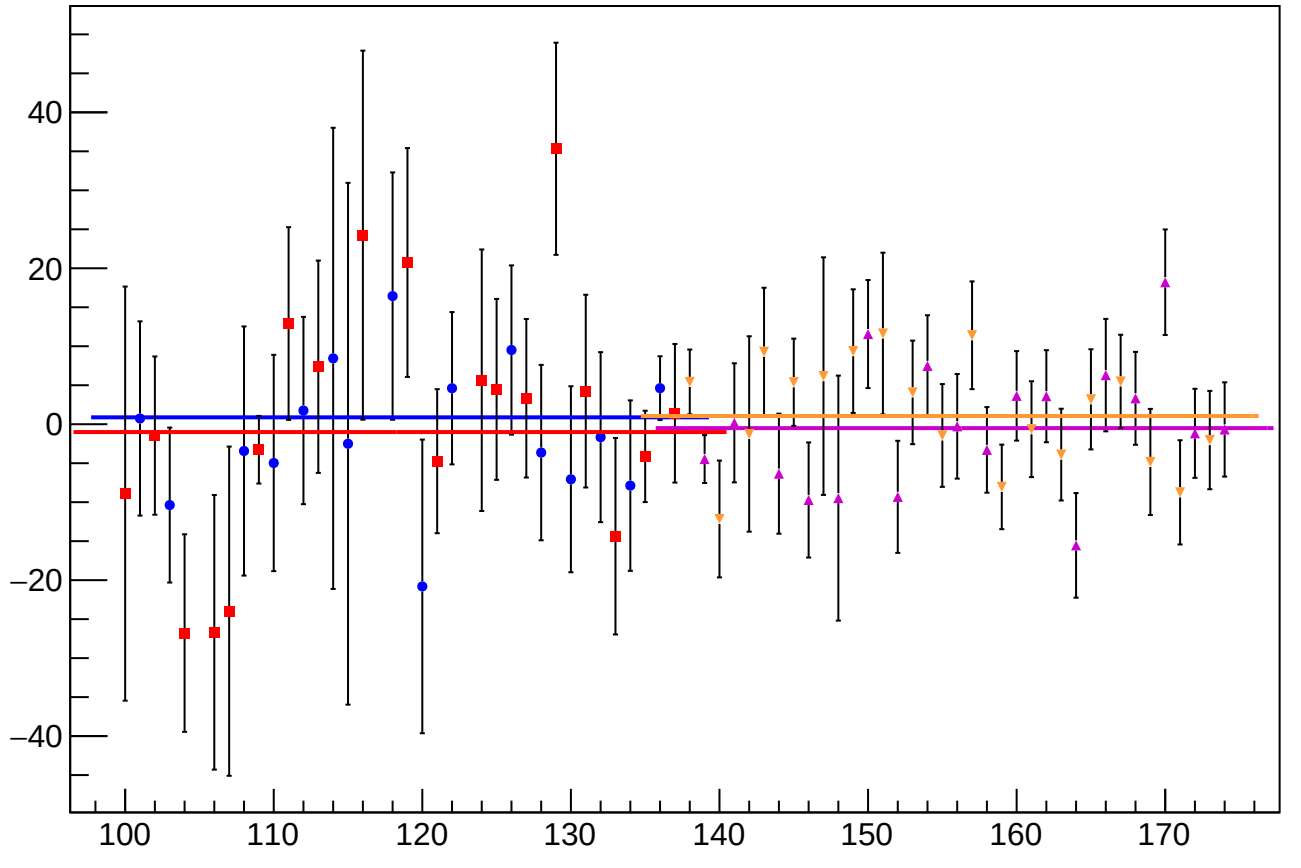
Left: 8357.212+/-1.087 χ^2/NDF: 469532.2/36

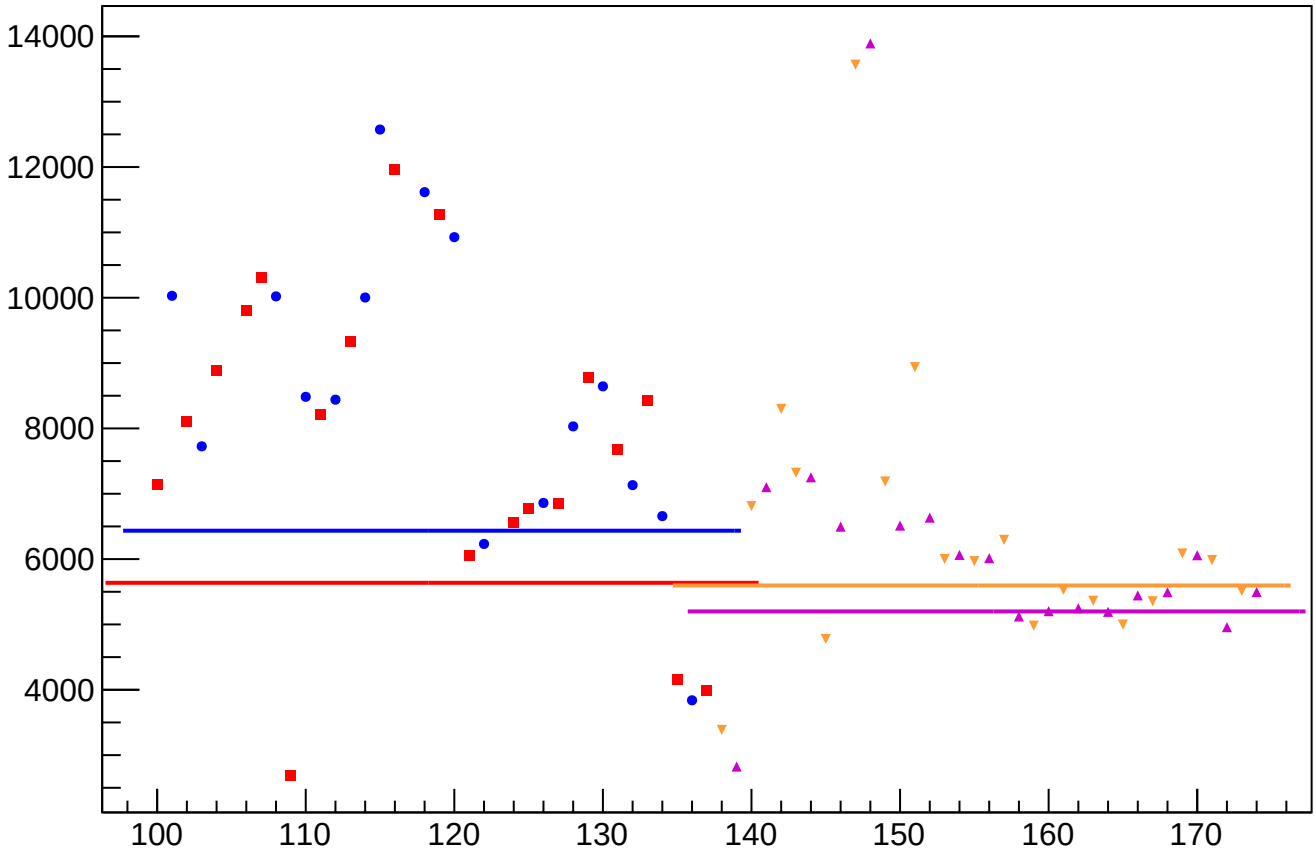
Right: 13301.707+/-2.571 χ^2/NDF: 2385270.2/34

In: 9076.910+/-1.415 χ^2/NDF:2796621.8/33

Out: 9138.284+/-1.418 χ^2/NDF:3194528.4/37

All: 9107.550+/-1.002 χ^2/NDF: 5992088.9/71


diff_bpm1Y_mean vs Slug, Sign Corrected
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 0.882+/-2.566 χ²/NDF: 6.8/15
Left Out: 1.050+/-1.515 χ²/NDF:18.1/18
Right Out: -1.006+/-2.314 χ²/NDF: 22.3/18
Left In: -0.501+/-1.428 χ²/NDF:25.4/17
Left: 0.229+/-1.039 χ²/NDF: 44.1/36
Right: -0.159+/-1.718 χ²/NDF: 29.4/34
In: -0.174+/-1.248 χ²/NDF:32.5/33
Out: 0.433+/-1.268 χ²/NDF:41.0/37
All: 0.125+/-0.889 χ²/NDF: 73.5/71



Right In: 6434.559+/-1.814 χ^2/NDF: 1750609.4/15

Left Out: 5596.174+/-1.071 χ^2/NDF:1779628.6/18

Right Out: 5637.344+/-1.636 χ^2/NDF: 2580013.6/18

Left In: 5199.070+/-1.010 χ^2/NDF:2399274.6/17

Left: 5385.917+/-0.735 χ^2/NDF: 4251638.1/36

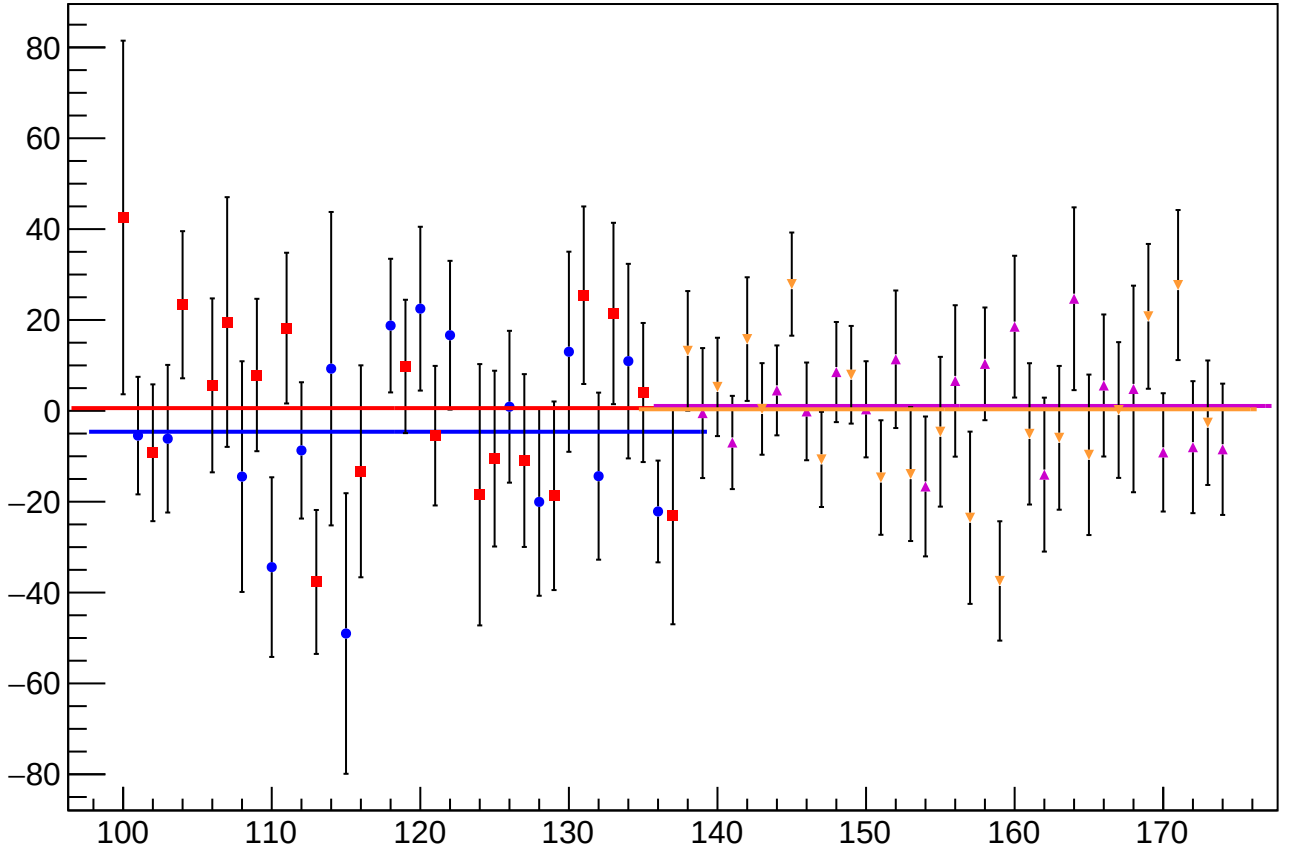
Right: 5994.862+/-1.215 χ^2/NDF: 4437091.5/34

In: 5491.324+/-0.882 χ^2/NDF:4503841.5/33

Out: 5608.530+/-0.896 χ^2/NDF:4360085.3/37

All: 5549.015+/-0.629 χ^2/NDF: 8872609.1/71

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -4.602+/-4.355 χ^2/NDF: 15.8/15

Left Out: 0.345+/-3.058 χ^2/NDF:27.3/18

Right Out: 0.600+/-4.266 χ^2/NDF: 17.9/18

Left In: 1.072+/-3.153 χ^2/NDF:8.6/17

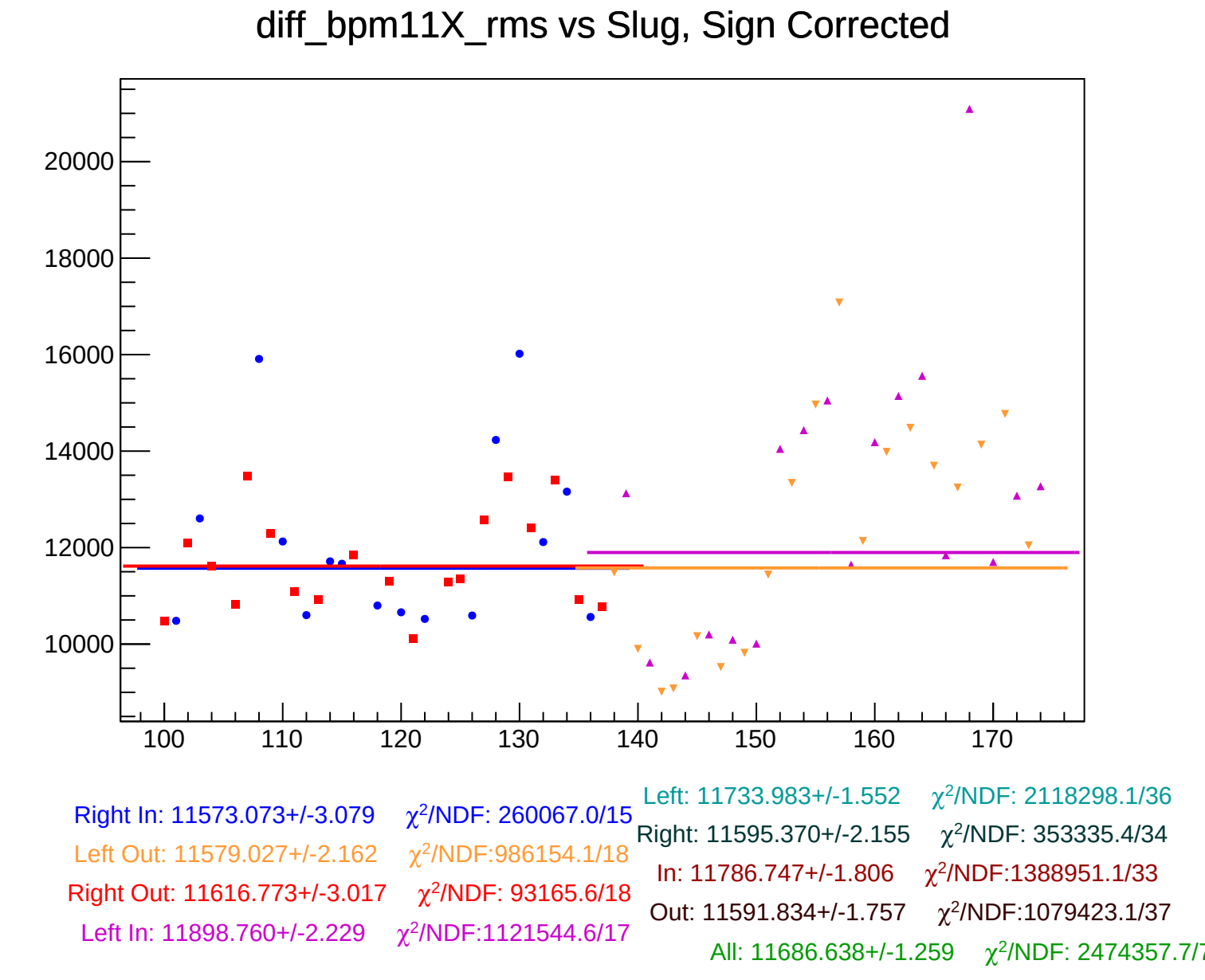
Left: 0.697+/-2.195 χ^2/NDF: 36.0/36

Right: -1.948+/-3.048 χ^2/NDF: 34.4/34

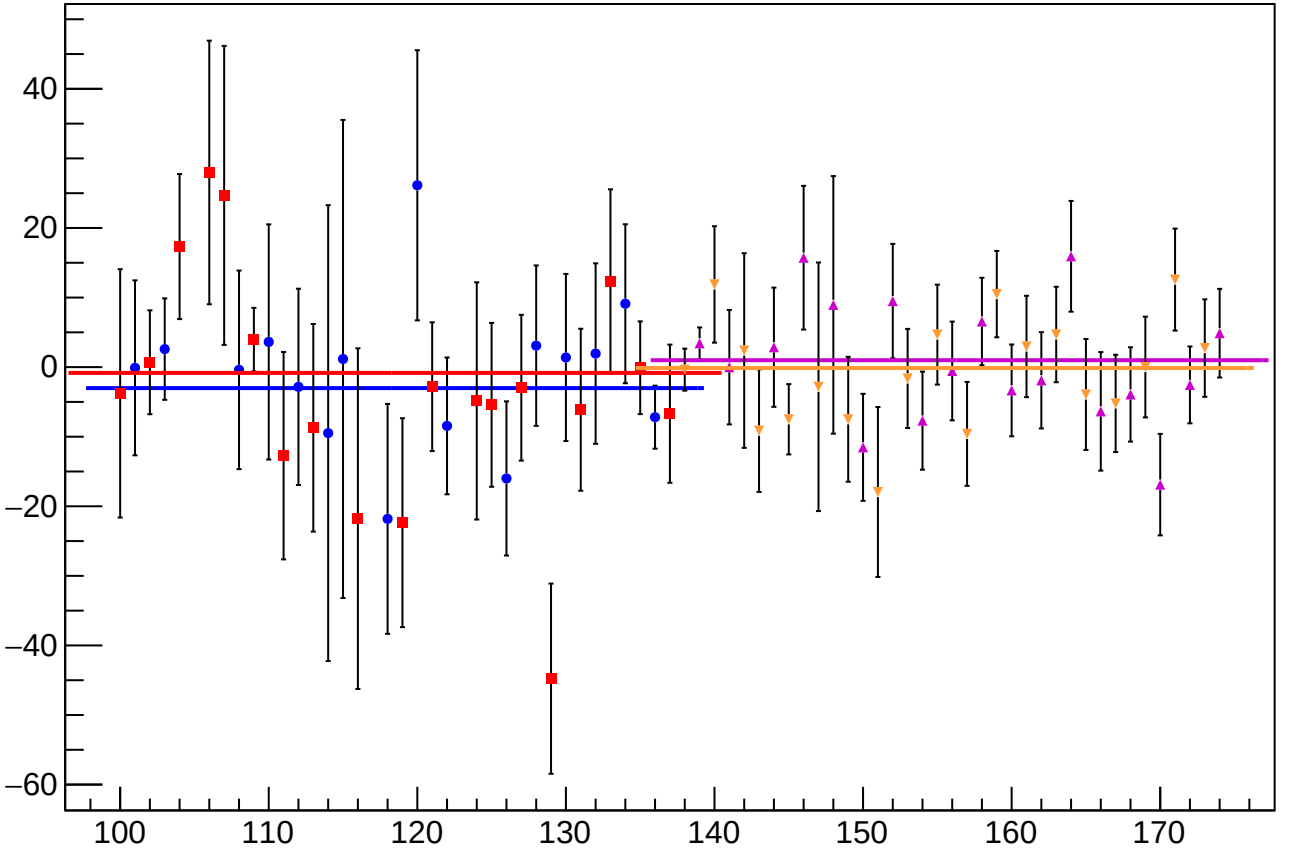
In: -0.879+/-2.554 χ^2/NDF:25.5/33

Out: 0.431+/-2.485 χ^2/NDF:45.2/37

All: -0.206+/-1.781 χ^2/NDF: 70.9/71


diff_bpm11X_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
100
110
120
130
140
150
160
170
Right In: 11573.073+/-3.079 χ²/NDF: 260067.0/15
Left Out: 11579.027+/-2.162 χ²/NDF:986154.1/18
Right Out: 11616.773+/-3.017 χ²/NDF: 93165.6/18
Left In: 11898.760+/-2.229 χ²/NDF:1121544.6/17
Left: 11733.983+/-1.552 χ²/NDF: 2118298.1/36
Right: 11595.370+/-2.155 χ²/NDF: 353335.4/34
In: 11786.747+/-1.806 χ²/NDF:1388951.1/33
Out: 11591.834+/-1.757 χ²/NDF:1079423.1/37
All: 11686.638+/-1.259 χ²/NDF: 2474357.7/7

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -3.014+/-2.654 χ^2/NDF: 8.7/15

Left Out: -0.129+/-1.541 χ^2/NDF:17.7/18

Right Out: -0.831+/-2.352 χ^2/NDF: 23.8/18

Left In: 0.993+/-1.412 χ^2/NDF:21.7/17

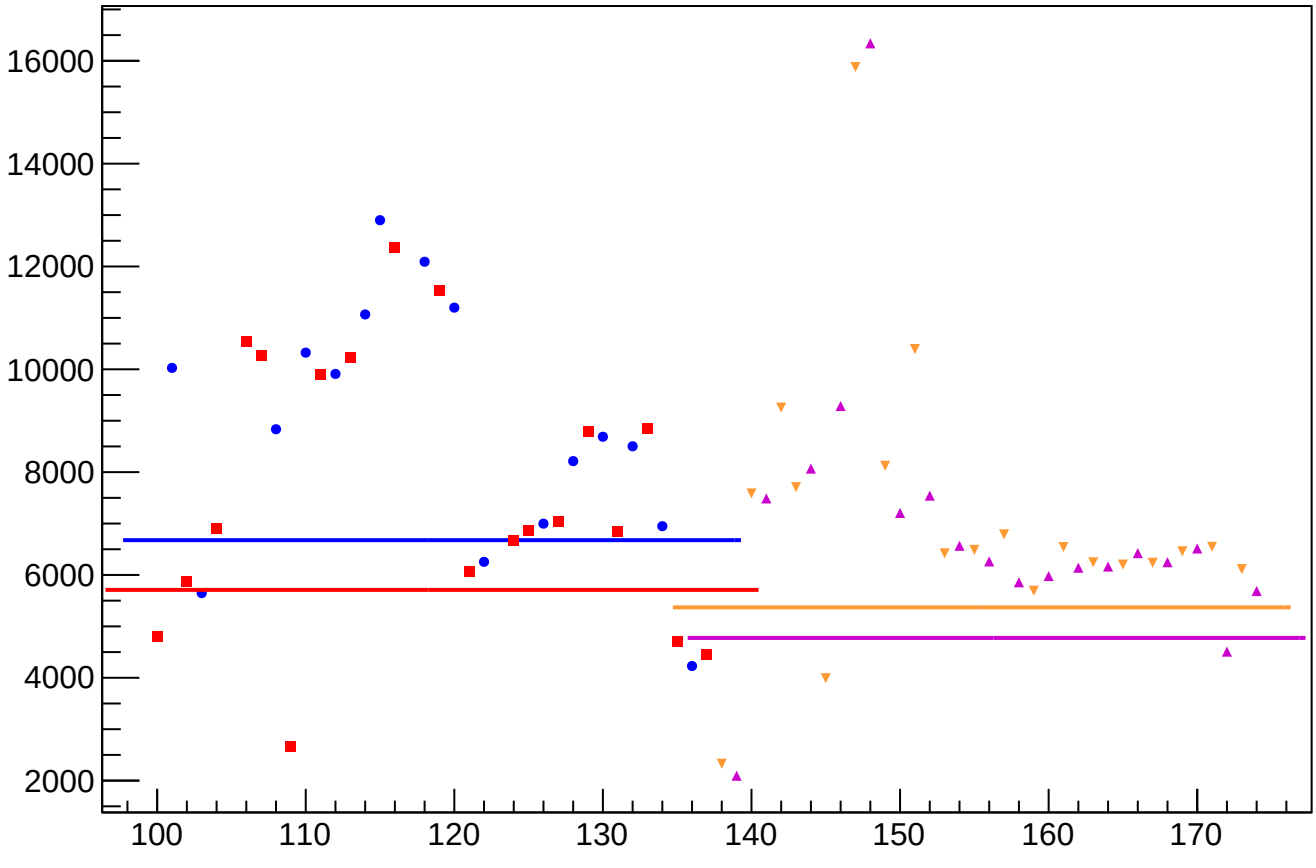
Left: 0.481+/-1.041 χ^2/NDF: 39.7/36

Right: -1.791+/-1.760 χ^2/NDF: 32.9/34

In: 0.109+/-1.247 χ^2/NDF:32.1/33

Out: -0.340+/-1.289 χ^2/NDF:41.6/37

All: -0.108+/-0.896 χ^2/NDF: 73.8/71



Right In: 6676.920+/-1.877 χ^2/NDF: 1572864.3/15

Left Out: 5369.846+/-1.090 χ^2/NDF:4261537.0/18

Right Out: 5709.821+/-1.663 χ^2/NDF: 2301039.5/18

Left In: 4775.367+/-0.999 χ^2/NDF:5676374.4/17

Left: 5046.646+/-0.736 χ^2/NDF: 10099652.3/36

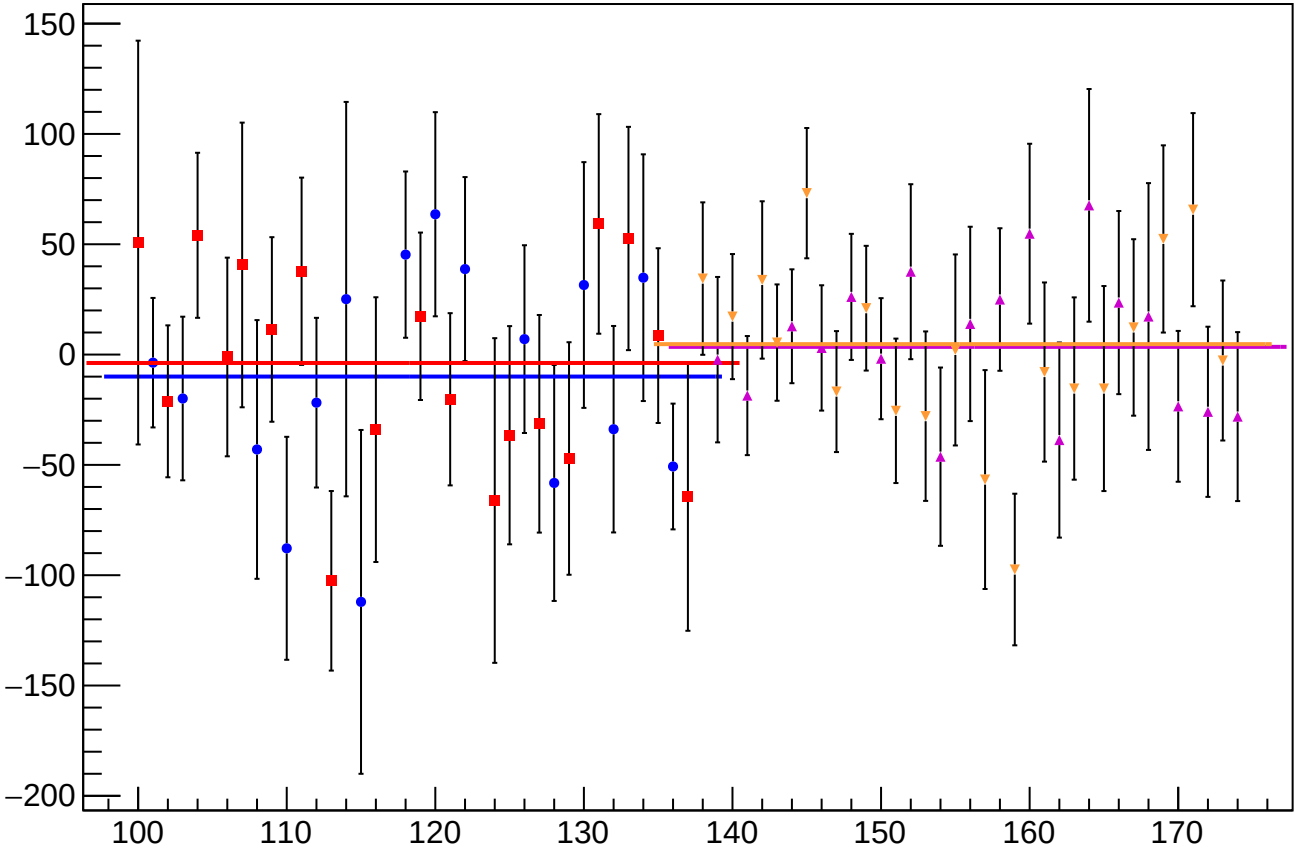
Right: 6135.167+/-1.245 χ^2/NDF: 4022672.5/34

In: 5194.945+/-0.882 χ^2/NDF:8049420.1/33

Out: 5472.013+/-0.912 χ^2/NDF:6591816.2/37

All: 5328.840+/-0.634 χ^2/NDF: 14688976.5/7

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -9.969+/-10.836 χ^2/NDF: 15.3/15

Left Out: 4.723+/-8.018 χ^2/NDF:23.7/18

Right Out: -3.814+/-10.636 χ^2/NDF: 17.3/18

Left In: 3.494+/-8.265 χ^2/NDF:10.4/17

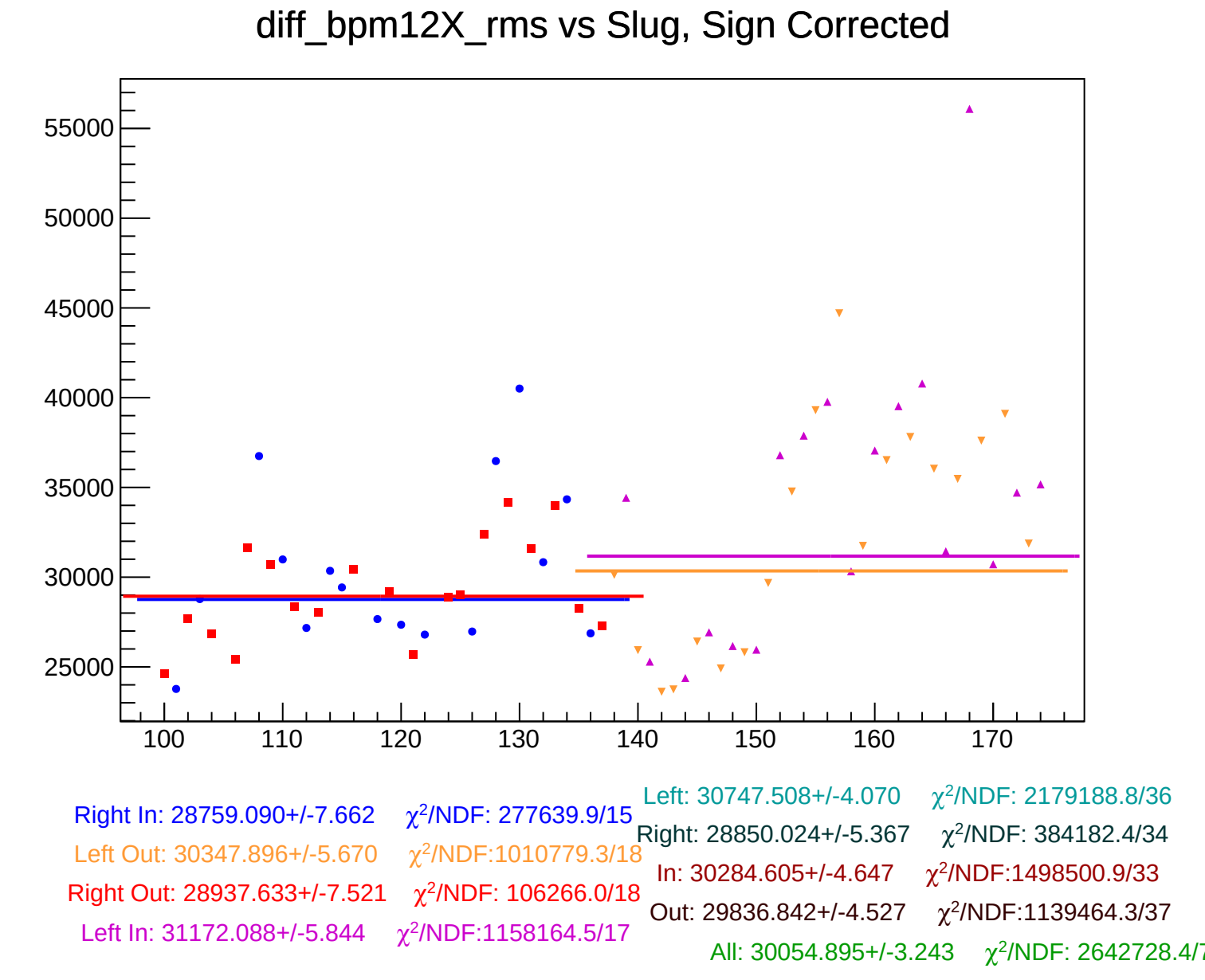
Left: 4.127+/-5.755 χ^2/NDF: 34.1/36

Right: -6.834+/-7.591 χ^2/NDF: 32.8/34

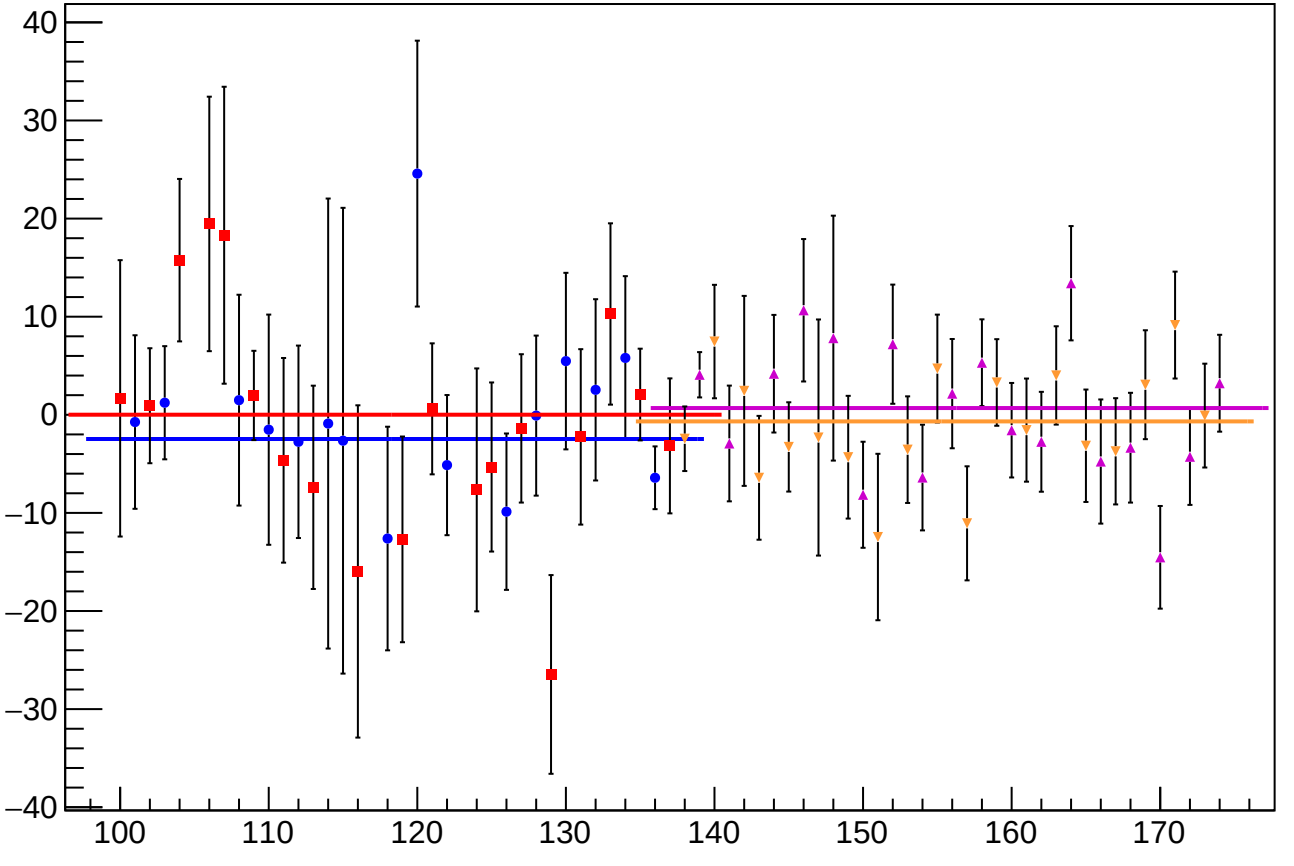
In: -1.457+/-6.572 χ^2/NDF:26.7/33

Out: 1.630+/-6.403 χ^2/NDF:41.4/37

All: 0.126+/-4.586 χ^2/NDF: 68.1/71


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28759.090+/-7.662 χ²/NDF: 277639.9/15
Left Out: 30347.896+/-5.670 χ²/NDF:1010779.3/18
Right Out: 28937.633+/-7.521 χ²/NDF: 106266.0/18
Left In: 31172.088+/-5.844 χ²/NDF:1158164.5/17
Left: 30747.508+/-4.070 χ²/NDF: 2179188.8/36
Right: 28850.024+/-5.367 χ²/NDF: 384182.4/34
In: 30284.605+/-4.647 χ²/NDF:1498500.9/33
Out: 29836.842+/-4.527 χ²/NDF:1139464.3/37
All: 30054.895+/-3.243 χ²/NDF: 2642728.4/7

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -2.467+/-1.916 χ^2/NDF: 10.0/15

Left Out: -0.673+/-1.247 χ^2/NDF:16.2/18

Right Out: 0.009+/-1.828 χ^2/NDF: 20.0/18

Left In: 0.688+/-1.166 χ^2/NDF:28.2/17

Left: 0.053+/-0.852 χ^2/NDF: 45.1/36

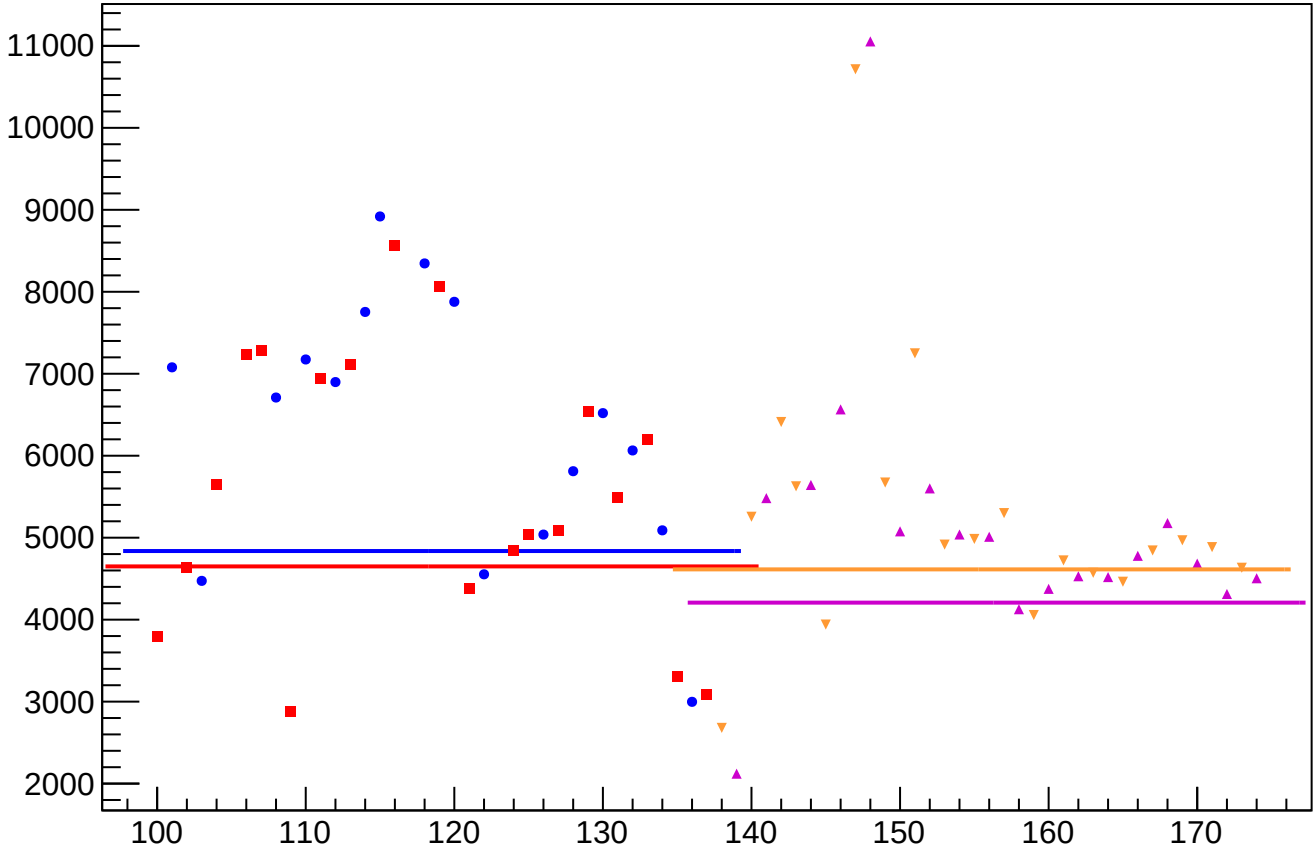
Right: -1.171+/-1.323 χ^2/NDF: 30.9/34

In: -0.165+/-0.996 χ^2/NDF:40.3/33

Out: -0.456+/-1.030 χ^2/NDF:36.2/37

All: -0.306+/-0.716 χ^2/NDF: 76.6/71

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4837.176+/-1.355 χ^2/NDF: 1547766.9/15

Left Out: 4613.353+/-0.882 χ^2/NDF:1737577.0/18

Right Out: 4649.613+/-1.293 χ^2/NDF: 1434548.7/18

Left In: 4207.653+/-0.824 χ^2/NDF:3018823.7/17

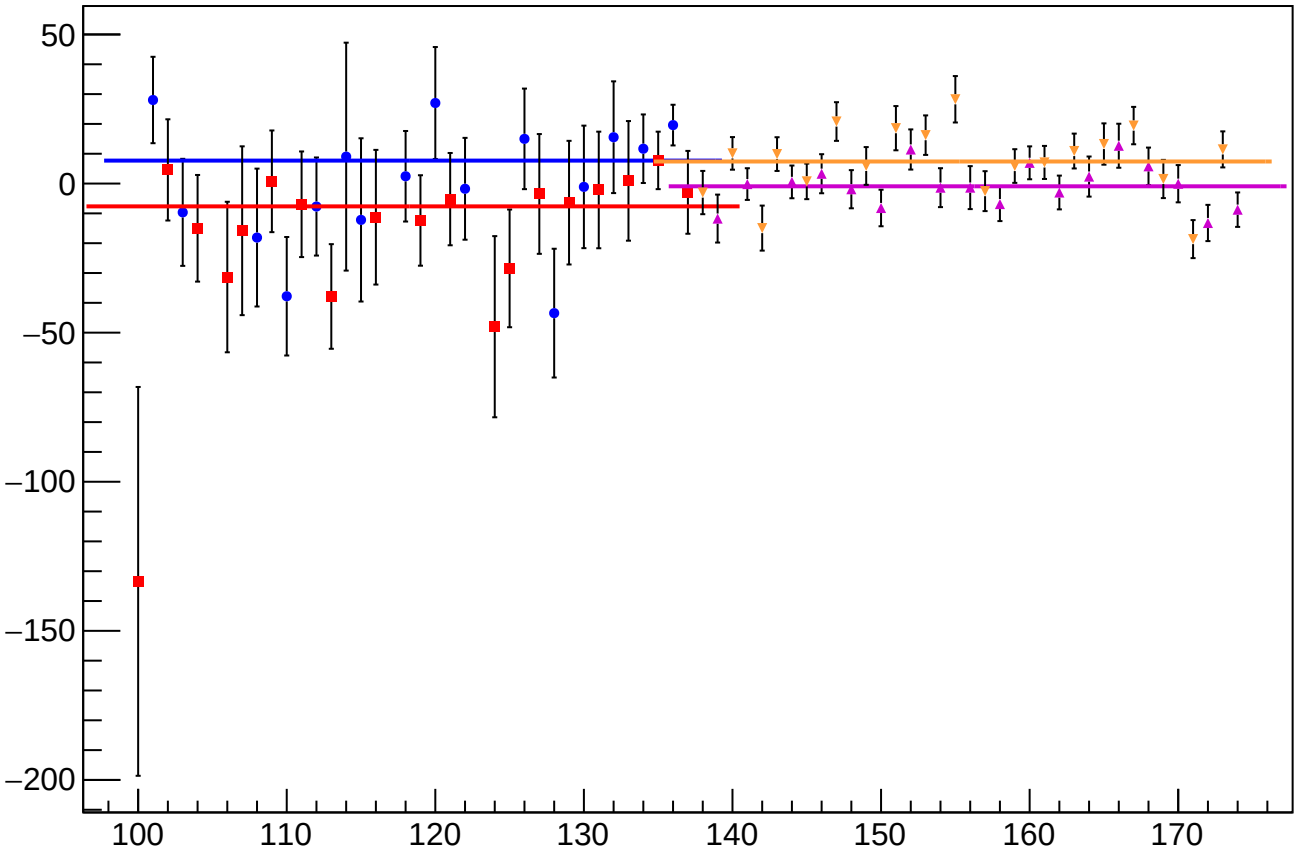
Left: 4396.825+/-0.602 χ^2/NDF: 4869350.7/36

Right: 4739.013+/-0.935 χ^2/NDF: 2992350.1/34

In: 4377.778+/-0.704 χ^2/NDF:4724207.8/33

Out: 4624.869+/-0.729 χ^2/NDF:3172662.6/37

All: 4497.127+/-0.506 χ^2/NDF: 7956343.4/71



Right In: 7.699+/-3.820 χ^2/NDF: 21.6/15

Left Out: 7.401+/-1.453 χ^2/NDF:53.1/18

Right Out: -7.650+/-4.099 χ^2/NDF: 14.6/18

Left In: -0.920+/-1.464 χ^2/NDF:21.1/17

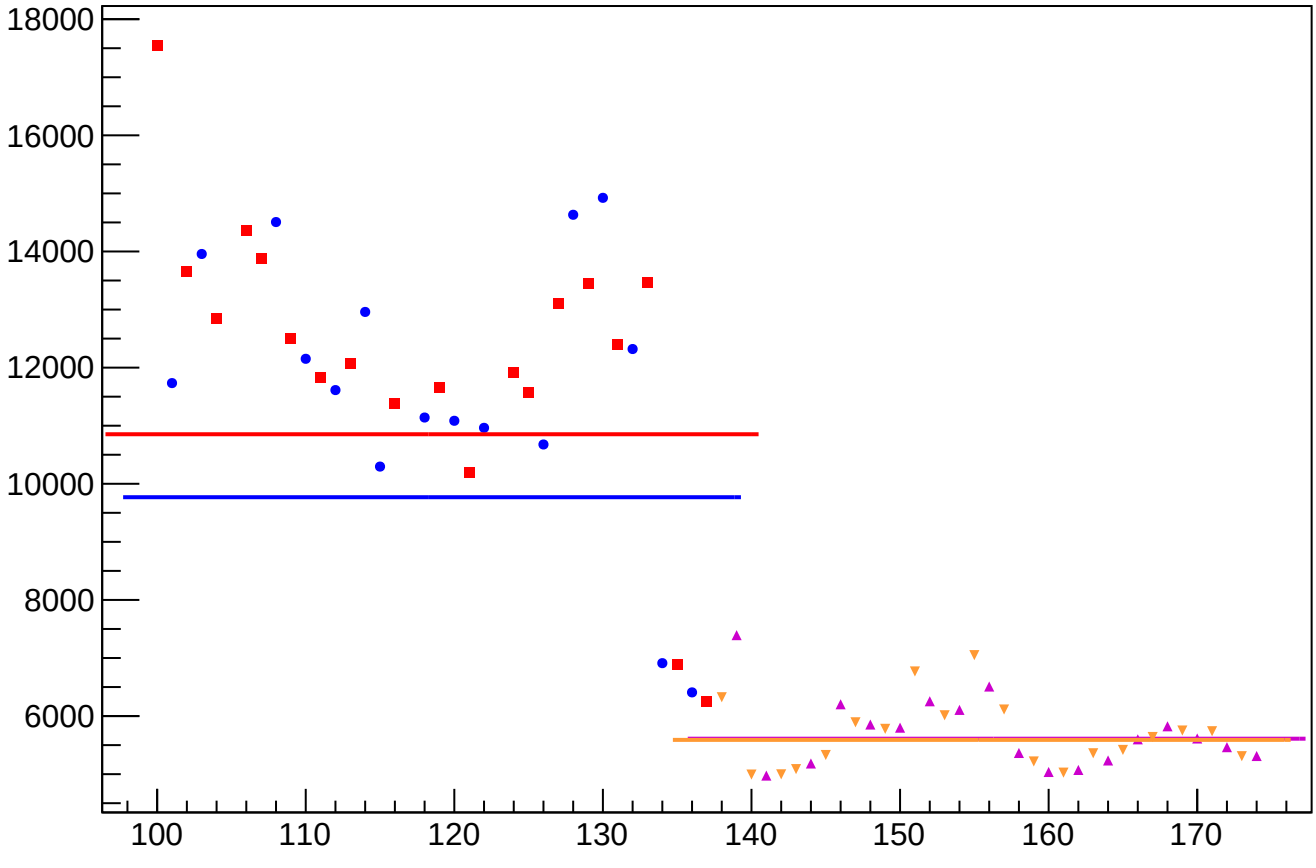
Left: 3.273+/-1.031 χ^2/NDF: 90.5/36

Right: 0.565+/-2.795 χ^2/NDF: 43.7/34

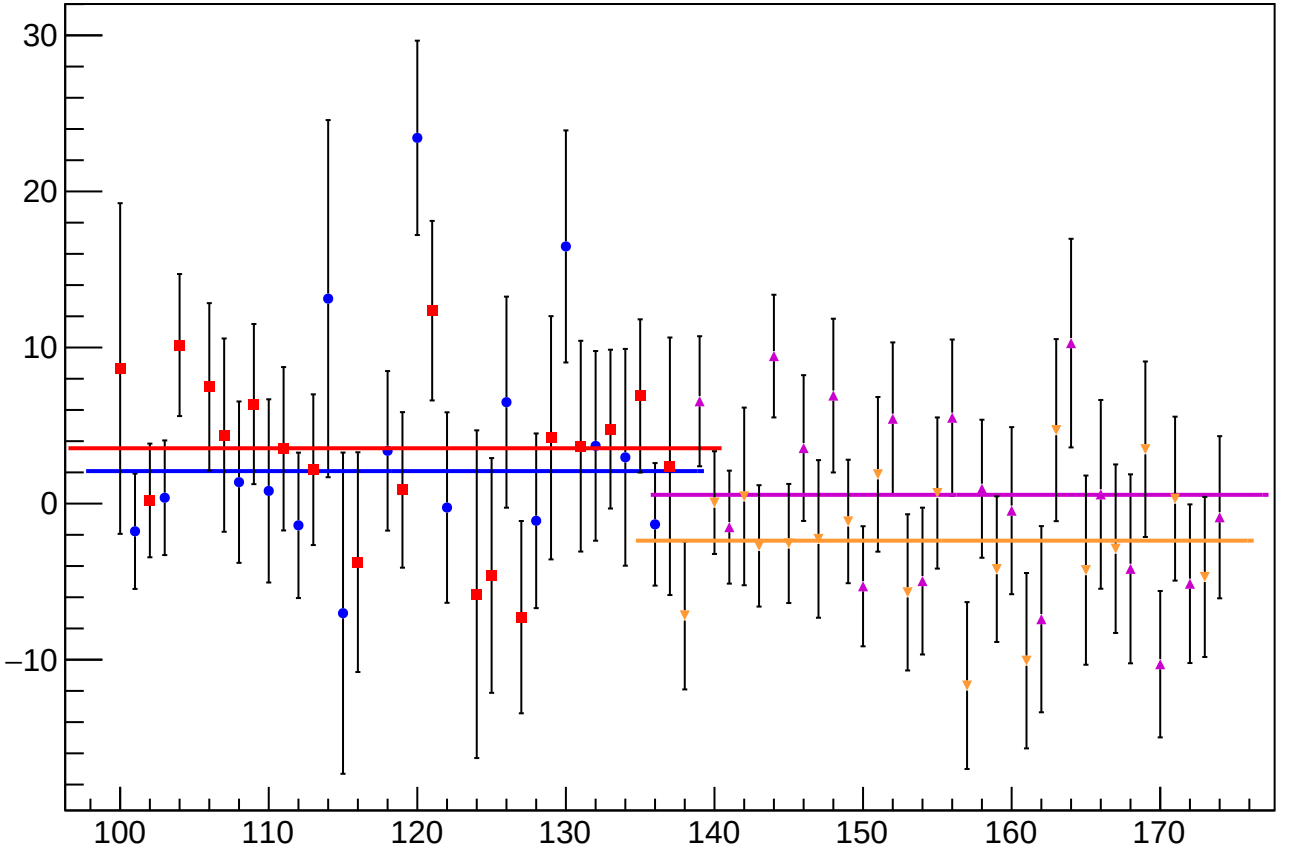
In: 0.184+/-1.367 χ^2/NDF:47.2/33

Out: 5.721+/-1.369 χ^2/NDF:79.6/37

All: 2.949+/-0.968 χ^2/NDF: 135.0/71


diff_bpm16X_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
110
120
130
140
150
160
170
Right In: 9768.772+/-2.701 χ²/NDF: 1213694.6/15
Left Out: 5590.215+/-1.027 χ²/NDF:264183.2/18
Right Out: 10852.989+/-2.899 χ²/NDF: 874500.2/18
Left In: 5610.610+/-1.035 χ²/NDF:279550.9/17
Left: 5600.332+/-0.729 χ²/NDF: 543929.7/36
Right: 10272.667+/-1.976 χ²/NDF: 2163082.8/34
In: 6143.350+/-0.967 χ²/NDF:3559651.0/33
Out: 6177.477+/-0.968 χ²/NDF:4067358.3/37
All: 6160.387+/-0.684 χ²/NDF: 7627631.3/71

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 2.082+/-1.345 χ^2/NDF: 21.0/15

Left Out: -2.374+/-1.092 χ^2/NDF:11.7/18

Right Out: 3.546+/-1.304 χ^2/NDF: 13.4/18

Left In: 0.563+/-1.123 χ^2/NDF:26.5/17

Left: -0.947+/-0.783 χ^2/NDF: 41.7/36

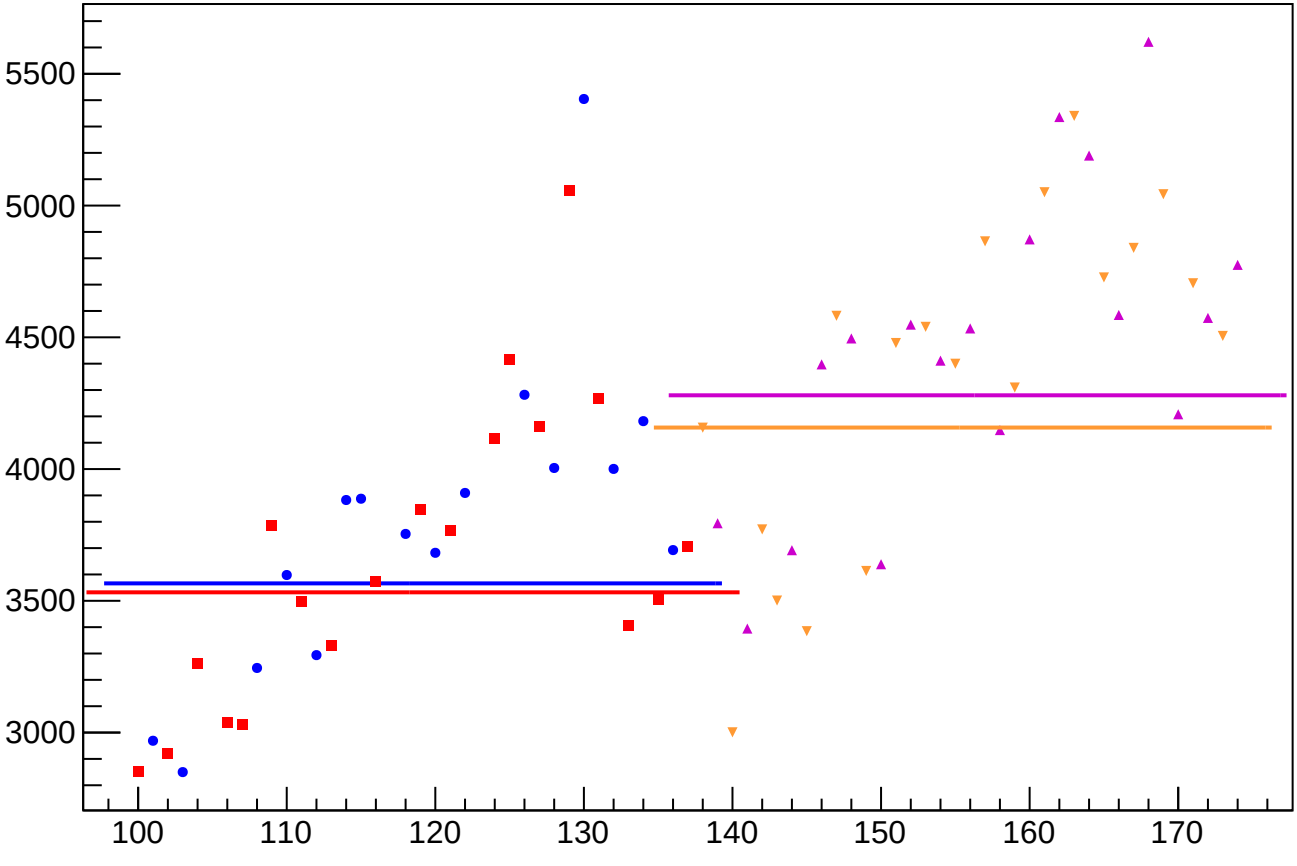
Right: 2.837+/-0.936 χ^2/NDF: 35.0/34

In: 1.187+/-0.862 χ^2/NDF:48.2/33

Out: 0.066+/-0.837 χ^2/NDF:37.2/37

All: 0.610+/-0.601 χ^2/NDF: 86.3/71

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3566.150+/-0.951 χ^2/NDF: 341105.5/15

Left Out: 4157.571+/-0.772 χ^2/NDF:772371.2/18

Right Out: 3532.189+/-0.922 χ^2/NDF: 278693.0/18

Left In: 4279.966+/-0.794 χ^2/NDF:519543.9/17

Left: 4217.051+/-0.554 χ^2/NDF: 1304123.1/36

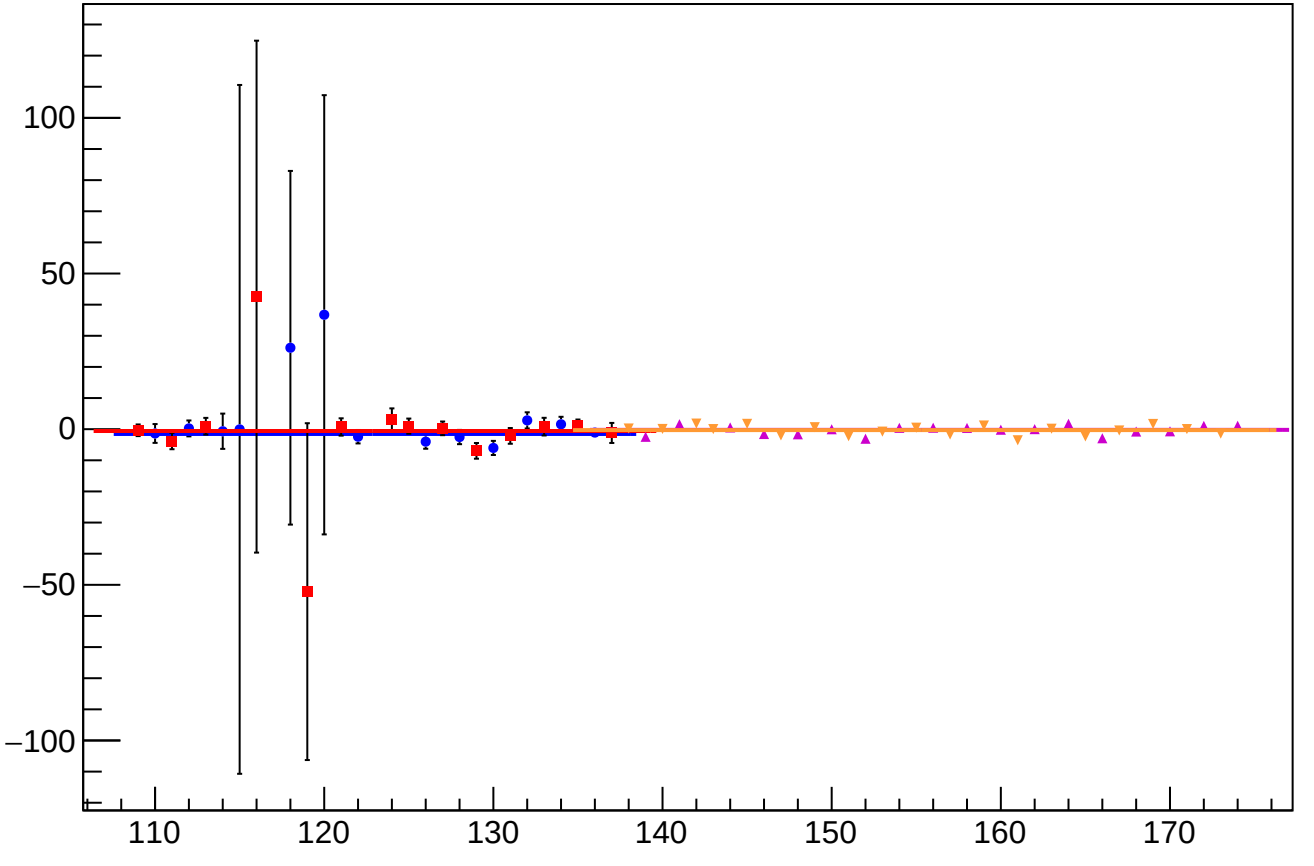
Right: 3548.642+/-0.662 χ^2/NDF: 620455.5/34

In: 3986.774+/-0.610 χ^2/NDF:1192439.8/33

Out: 3899.800+/-0.592 χ^2/NDF:1321391.4/37

All: 3942.013+/-0.425 χ^2/NDF: 2524305.0/71

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -1.536+/-0.733 χ^2/NDF: 11.1/12

Left Out: -0.296+/-0.264 χ^2/NDF:30.3/18

Right Out: -0.588+/-0.717 χ^2/NDF: 12.7/13

Left In: -0.220+/-0.265 χ^2/NDF:27.2/17

Left: -0.258+/-0.187 χ^2/NDF: 57.5/36

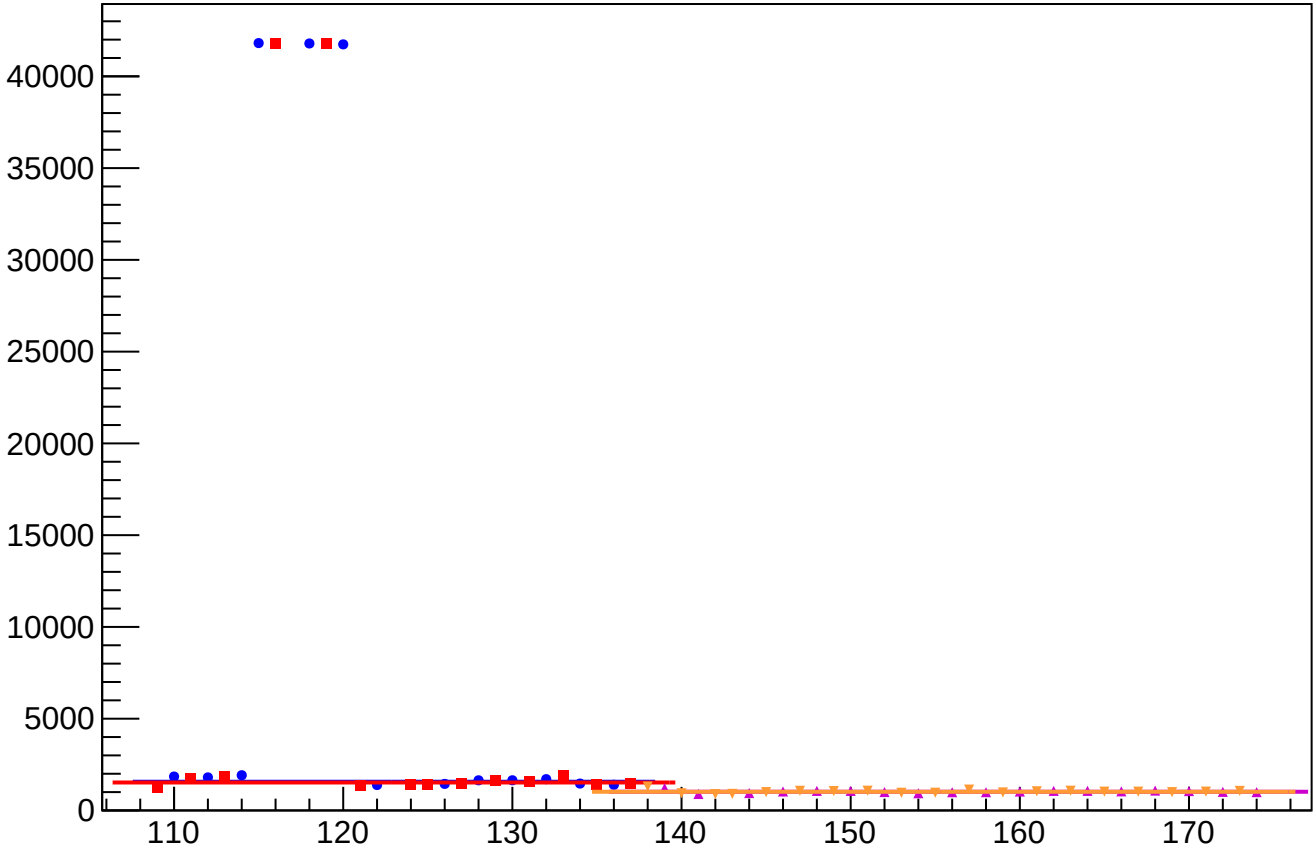
Right: -1.051+/-0.512 χ^2/NDF: 24.6/26

In: -0.372+/-0.249 χ^2/NDF:41.1/30

Out: -0.331+/-0.248 χ^2/NDF:43.1/32

All: -0.351+/-0.176 χ^2/NDF: 84.3/63

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1564.307+/-0.518 χ^2/NDF: 2016990.6/12

Left Out: 1018.118+/-0.187 χ^2/NDF:181321.2/18

Right Out: 1523.678+/-0.507 χ^2/NDF: 1739658.0/13

Left In: 1018.889+/-0.188 χ^2/NDF:124627.1/17

Left: 1018.502+/-0.132 χ^2/NDF: 305956.8/36

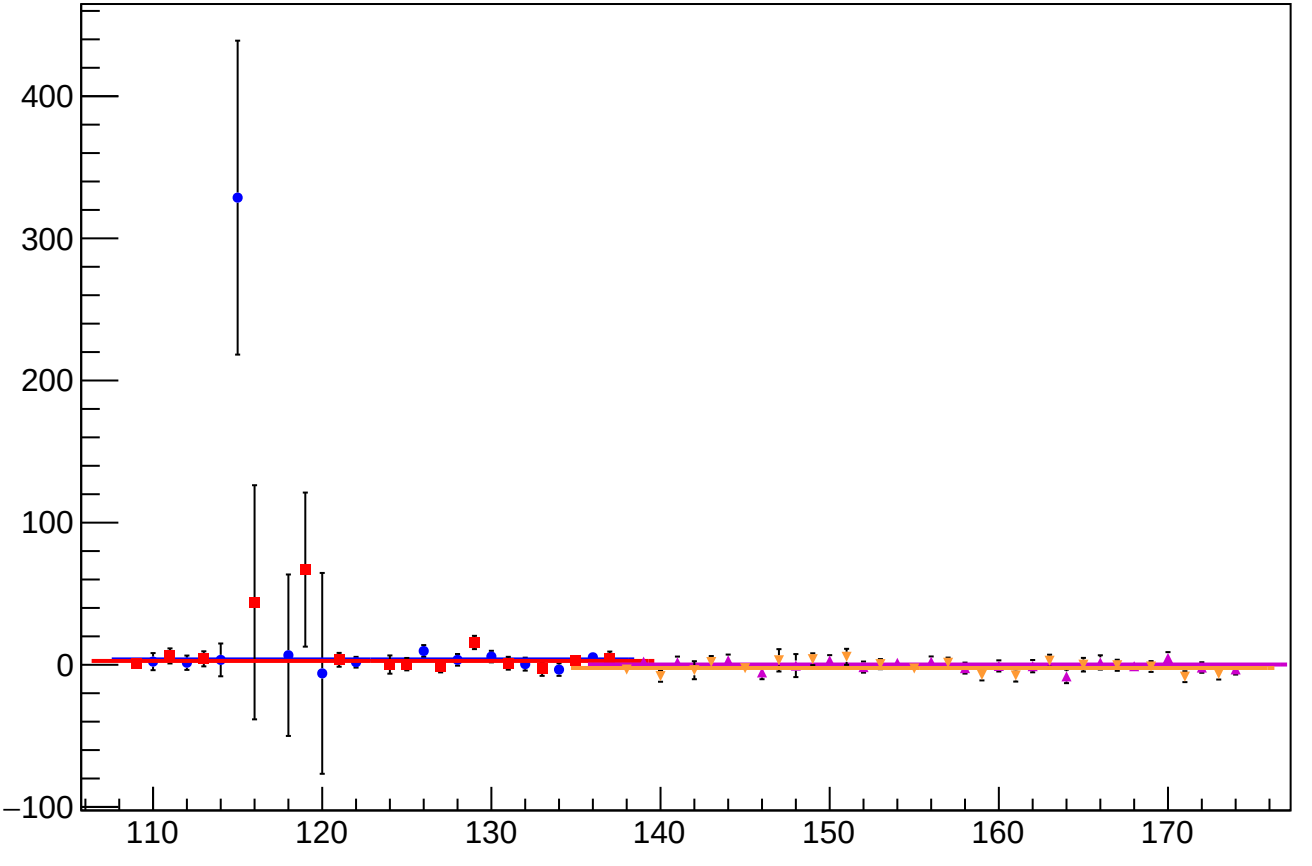
Right: 1543.555+/-0.362 χ^2/NDF: 3759789.5/26

In: 1082.060+/-0.176 χ^2/NDF:3121470.9/30

Out: 1078.446+/-0.175 χ^2/NDF:2796434.2/32

All: 1080.241+/-0.124 χ^2/NDF: 5918116.5/63

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 3.777+/-1.248 χ^2/NDF: 15.2/12

Left Out: -2.243+/-0.884 χ^2/NDF:18.2/18

Right Out: 2.709+/-1.211 χ^2/NDF: 13.6/13

Left In: 0.185+/-0.892 χ^2/NDF:10.5/17

Left: -1.039+/-0.628 χ^2/NDF: 32.4/36

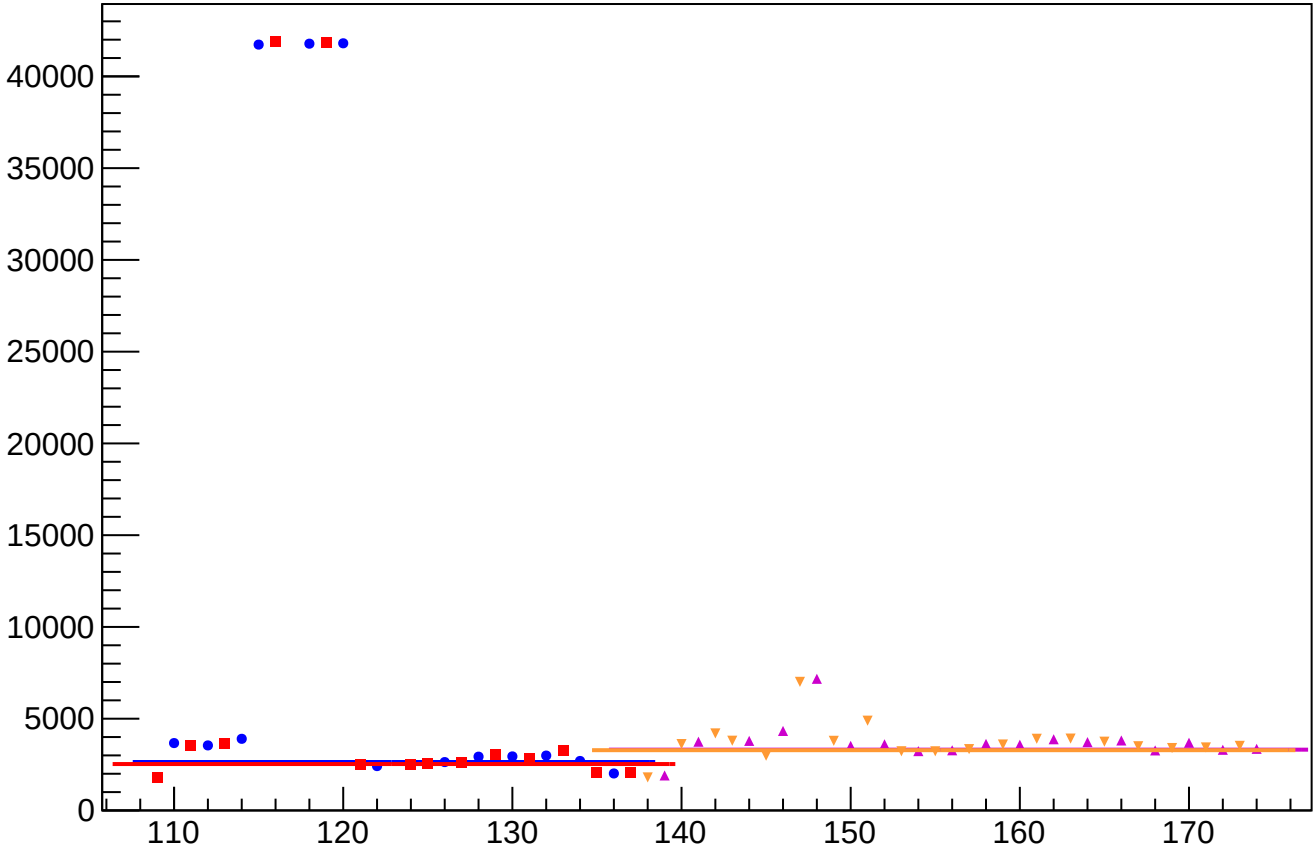
Right: 3.227+/-0.869 χ^2/NDF: 29.2/26

In: 1.398+/-0.726 χ^2/NDF:31.1/30

Out: -0.521+/-0.714 χ^2/NDF:42.7/32

All: 0.423+/-0.509 χ^2/NDF: 77.4/63

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 2639.943+/-0.883 χ^2/NDF: 2173395.1/12

Left Out: 3284.366+/-0.625 χ^2/NDF:1880675.5/18

Right Out: 2529.018+/-0.856 χ^2/NDF: 1949928.1/13

Left In: 3312.395+/-0.630 χ^2/NDF:1608645.2/17

Left: 3298.266+/-0.444 χ^2/NDF: 3490317.3/36

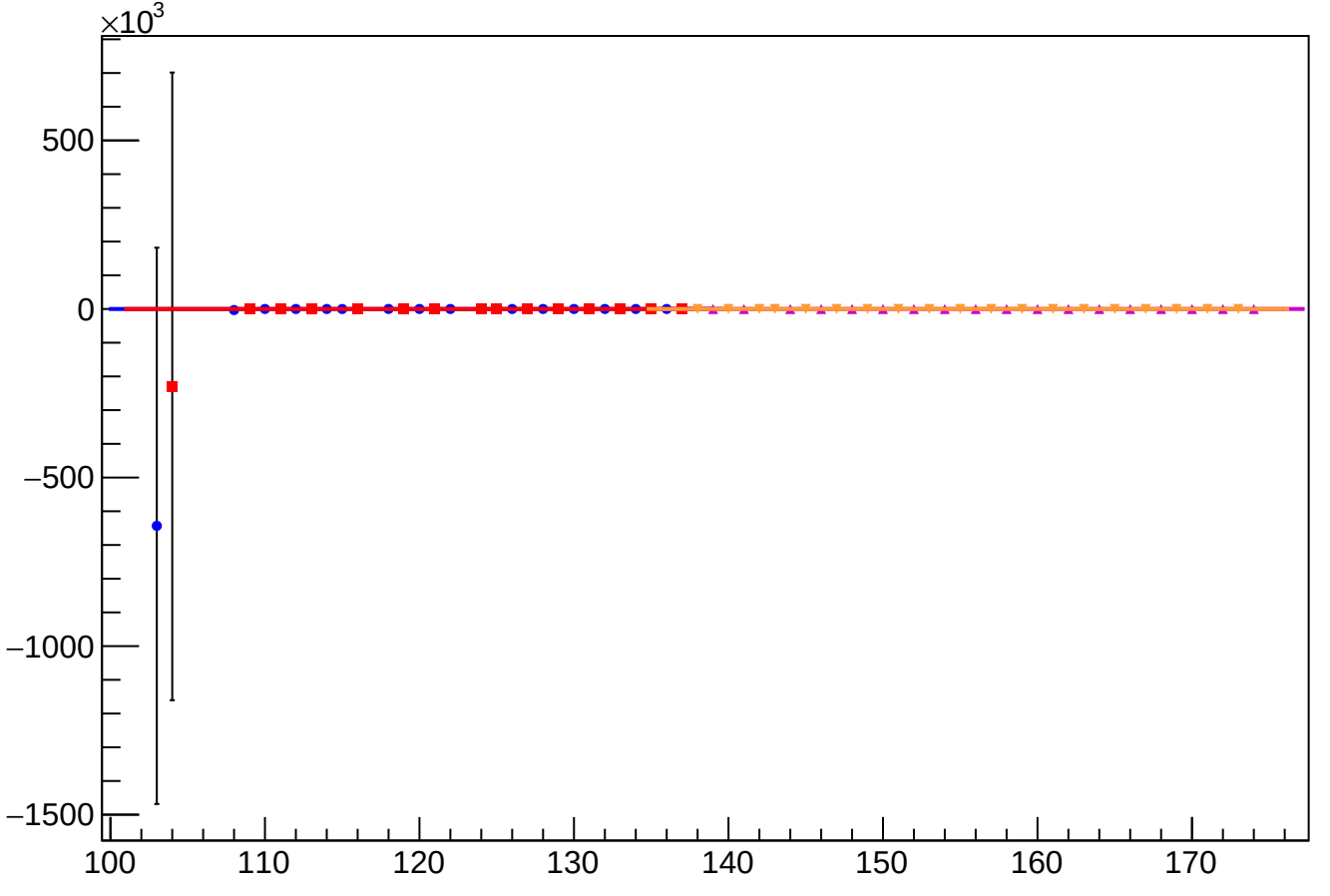
Right: 2582.794+/-0.615 χ^2/NDF: 4131459.2/26

In: 3085.262+/-0.513 χ^2/NDF:4166369.4/30

Out: 3021.666+/-0.505 χ^2/NDF:4338153.4/32

All: 3052.961+/-0.360 χ^2/NDF: 8512328.4/63

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.215+/-1.125 χ^2/NDF: 18.8/14

Left Out: -1.886+/-0.412 χ^2/NDF:43.4/18

Right Out: 2.670+/-1.211 χ^2/NDF: 14.4/14

Left In: 0.100+/-0.416 χ^2/NDF:22.0/17

Left: -0.901+/-0.293 χ^2/NDF: 76.9/36

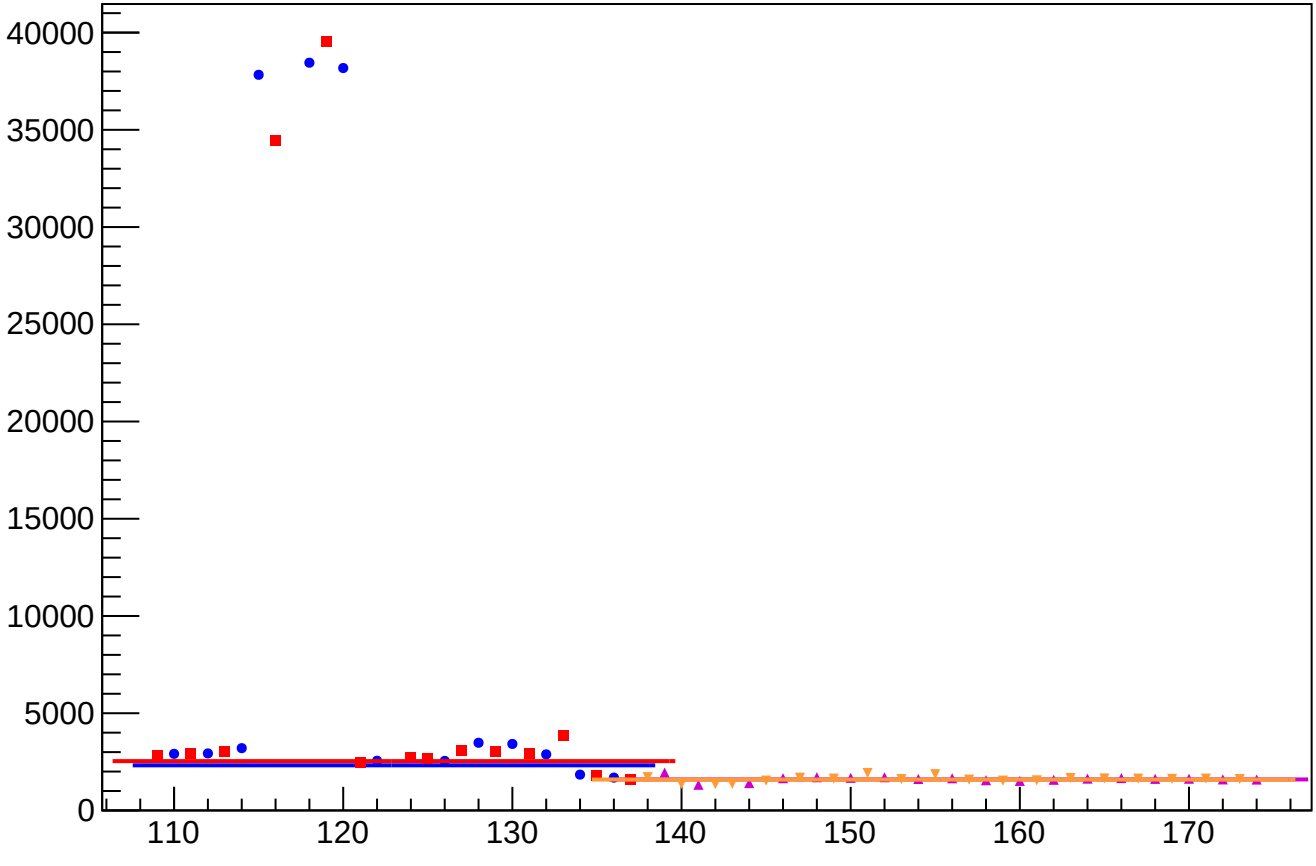
Right: 0.585+/-0.824 χ^2/NDF: 38.7/29

In: -0.058+/-0.390 χ^2/NDF:42.0/32

Out: -1.412+/-0.390 χ^2/NDF:70.6/33

All: -0.735+/-0.276 χ^2/NDF: 118.5/66

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2320.446+/-0.796 χ^2/NDF: 2461445.1/12

Left Out: 1588.634+/-0.292 χ^2/NDF:230419.5/18

Right Out: 2537.615+/-0.856 χ^2/NDF: 2038153.2/13

Left In: 1594.573+/-0.294 χ^2/NDF:196065.1/17

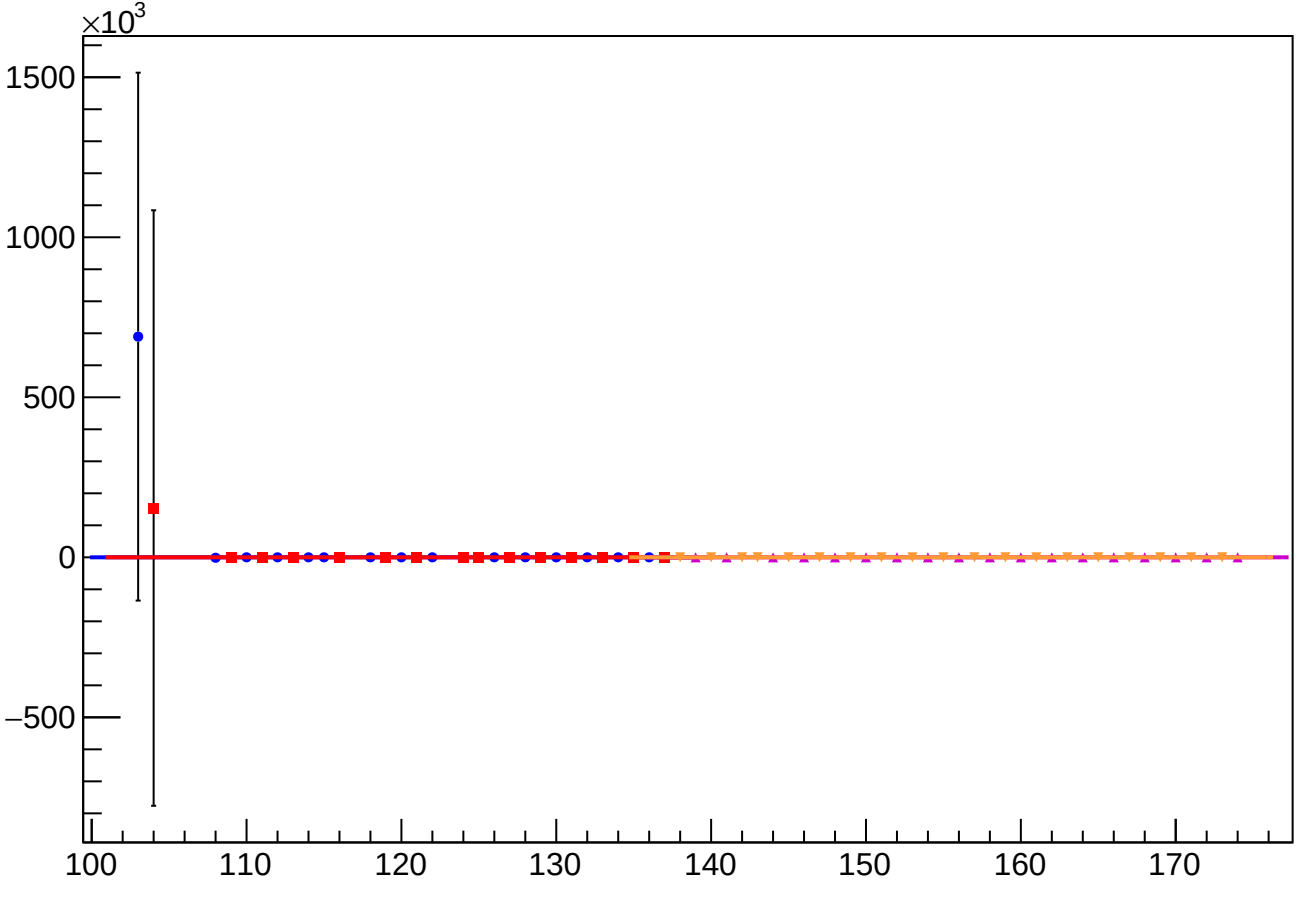
Left: 1591.579+/-0.207 χ^2/NDF: 426690.4/36

Right: 2421.061+/-0.583 χ^2/NDF: 4534110.8/26

In: 1681.724+/-0.276 χ^2/NDF:3389805.6/30

Out: 1687.196+/-0.276 χ^2/NDF:3368943.1/32

All: 1684.457+/-0.195 χ^2/NDF: 6758945.4/63



Right In: 1.708+/-1.076 χ^2/NDF: 5.0/14

Left Out: -1.122+/-0.571 χ^2/NDF:21.3/18

Right Out: 1.893+/-1.052 χ^2/NDF: 15.3/14

Left In: -0.117+/-0.552 χ^2/NDF:13.4/17

Left: -0.602+/-0.397 χ^2/NDF: 36.3/36

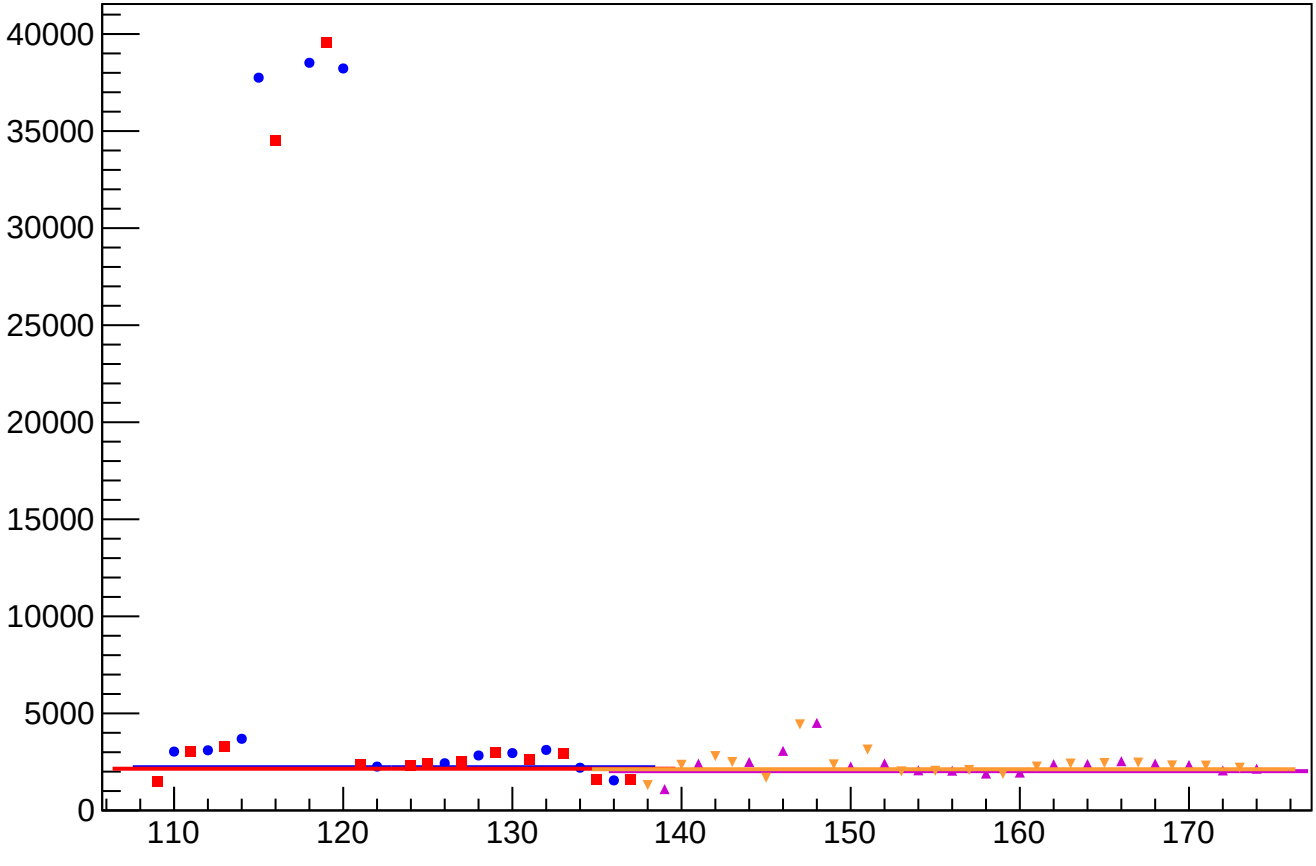
Right: 1.803+/-0.752 χ^2/NDF: 20.3/29

In: 0.263+/-0.491 χ^2/NDF:20.7/32

Out: -0.435+/-0.502 χ^2/NDF:43.0/33

All: -0.078+/-0.351 χ^2/NDF: 64.7/66

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 2226.944+/-0.761 χ^2/NDF: 2522286.5/12

Left Out: 2123.414+/-0.404 χ^2/NDF:1467689.0/18

Right Out: 2150.841+/-0.744 χ^2/NDF: 2231322.0/13

Left In: 2024.792+/-0.390 χ^2/NDF:2250314.9/17

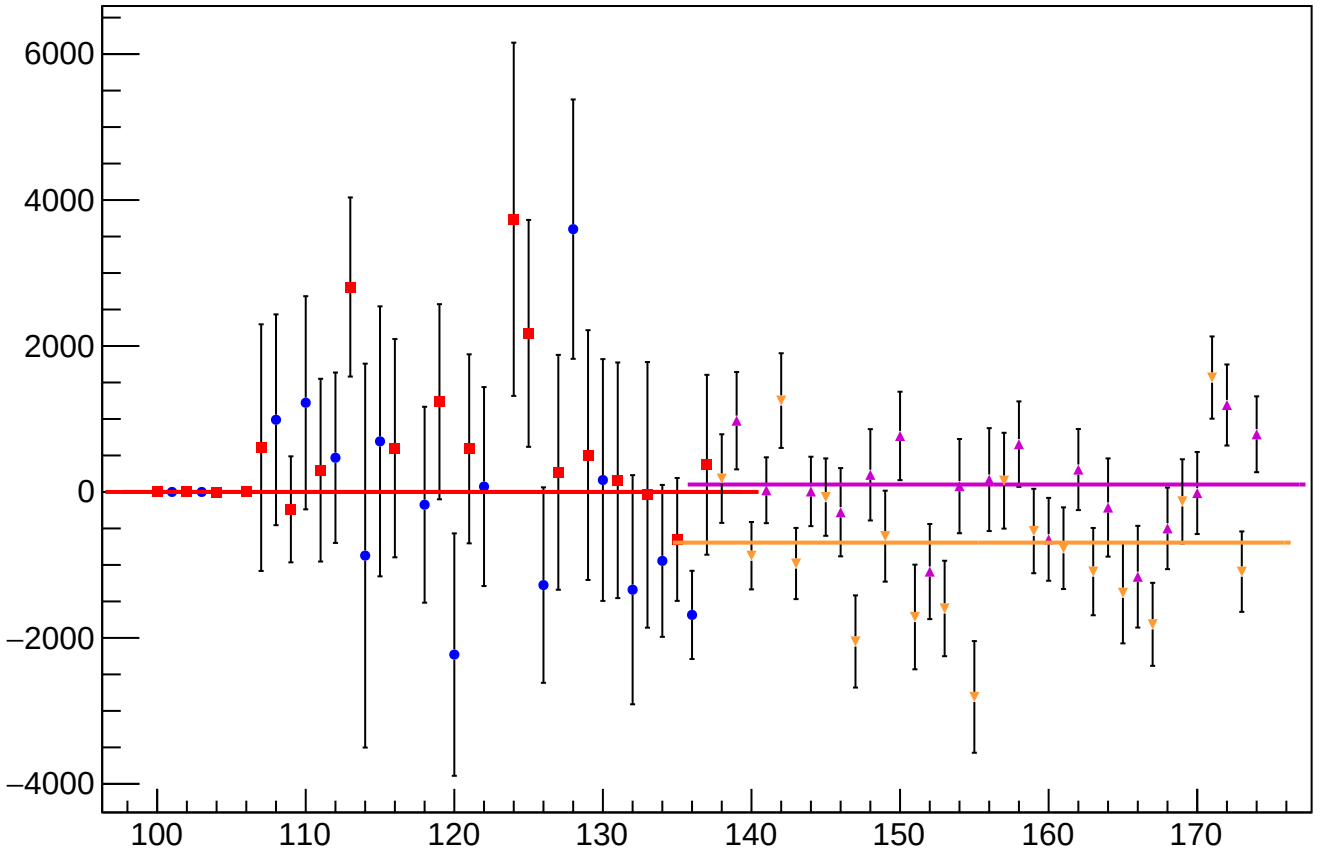
Left: 2072.420+/-0.281 χ^2/NDF: 3748818.5/36

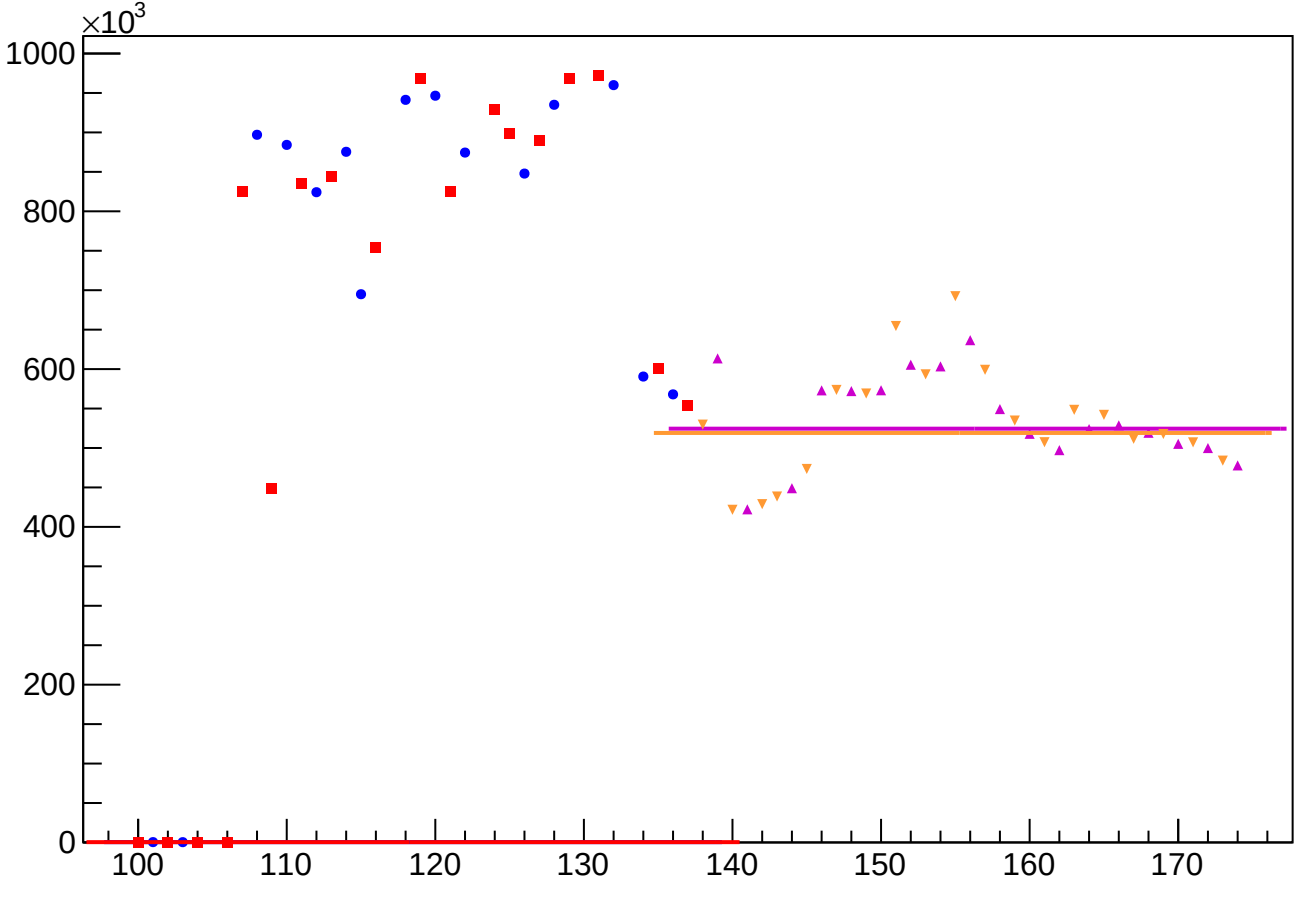
Right: 2188.011+/-0.532 χ^2/NDF: 4758723.2/26

In: 2066.904+/-0.347 χ^2/NDF:4828448.9/30

Out: 2129.664+/-0.355 χ^2/NDF:3700061.2/32

All: 2097.605+/-0.248 χ^2/NDF: 8544475.8/63


diff_cav4bX_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: 0.255+/-0.356 χ²/NDF: 17.7/15
Left Out: -693.934+/-135.416 χ²/NDF:53.8/18
Right Out: -0.096+/-0.328 χ²/NDF: 15.4/18
Left In: 101.868+/-137.112 χ²/NDF:19.9/17
Left: -300.985+/-96.347 χ²/NDF: 90.7/36
Right: 0.065+/-0.241 χ²/NDF: 33.7/34
In: 0.256+/-0.356 χ²/NDF:38.2/33
Out: -0.100+/-0.328 χ²/NDF:95.5/37
All: 0.064+/-0.241 χ²/NDF: 134.2/71



Right In: 398.881+/-0.251 χ^2/NDF: 8491830.9/14

Left Out: 519061.282+/-95.753 χ^2/NDF:473933.7/18

Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 524480.149+/-96.953 χ^2/NDF:368795.7/17

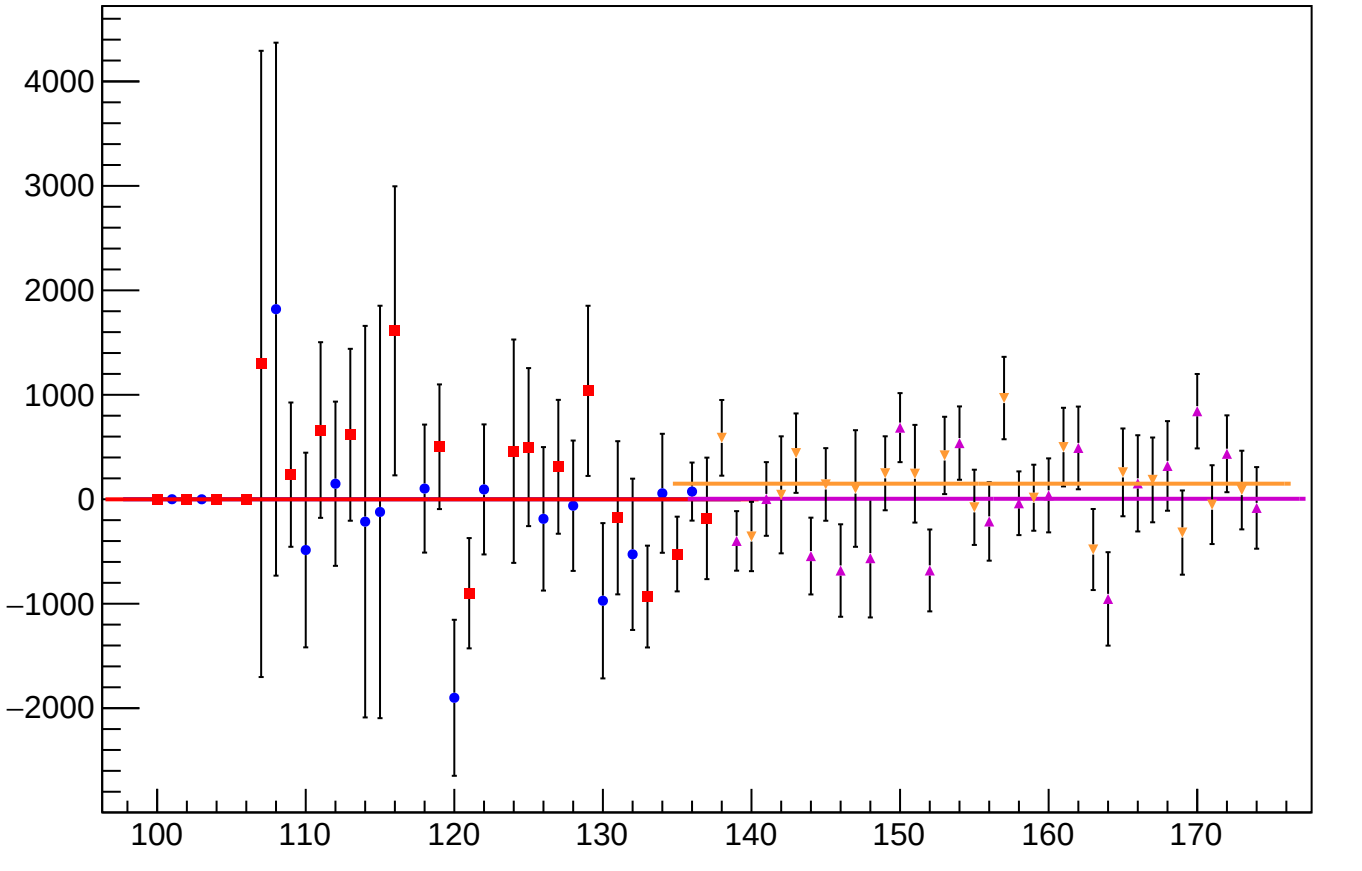
Left: 521736.998+/-68.128 χ^2/NDF: 844310.8/36

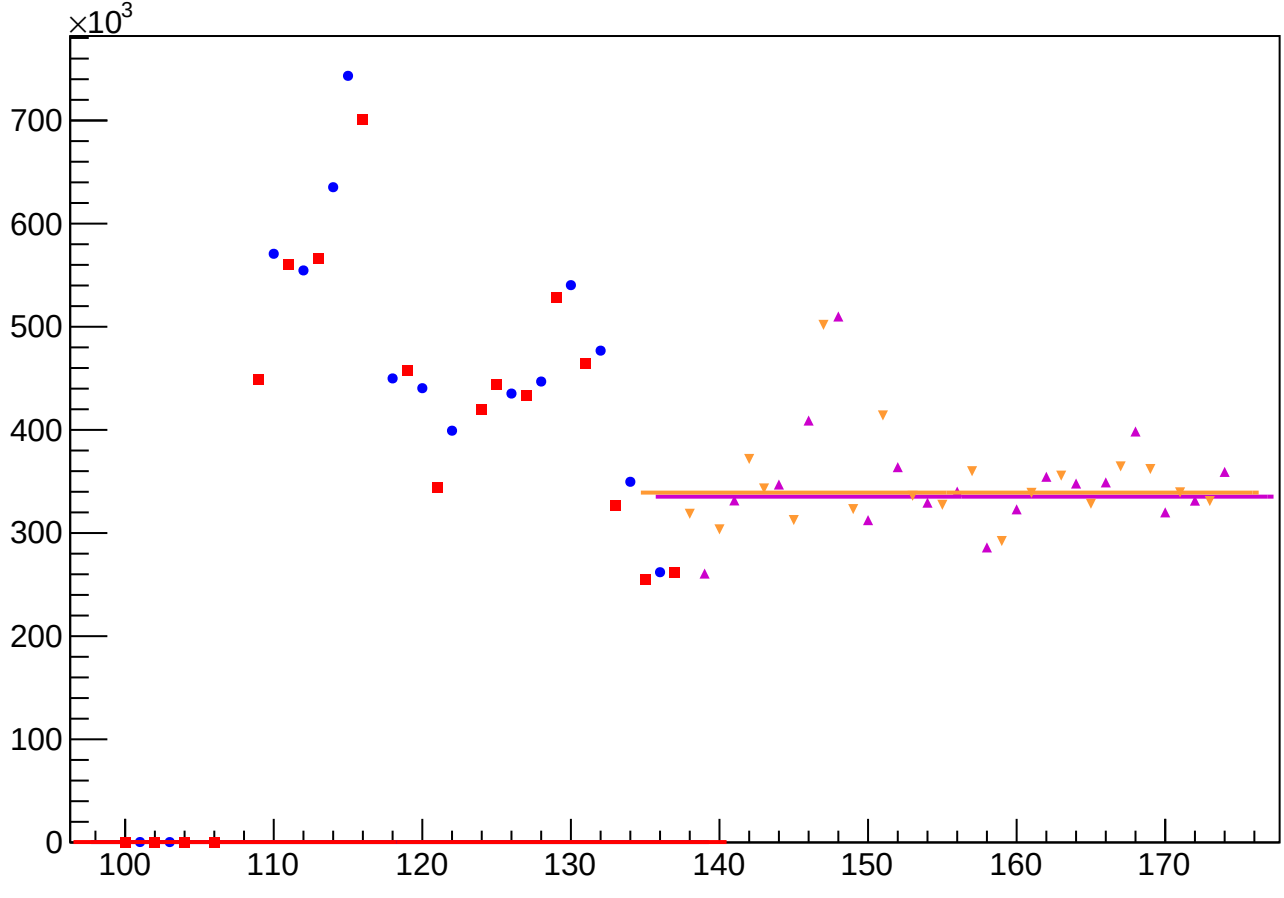
Right: 395.831+/-0.170 χ^2/NDF: 16140681.1/32

In: 402.407+/-0.251 χ^2/NDF:38080337.1/32

Out: 396.279+/-0.232 χ^2/NDF:37463018.5/36

All: 399.093+/-0.170 χ^2/NDF: 75543676.7/69


diff_cav4bY_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
100
110
120
130
140
150
160
170
Right In: -0.020+/-0.347 χ²/NDF: 10.5/15
Left Out: 149.140+/-88.399 χ²/NDF:15.2/18
Right Out: -0.599+/-0.324 χ²/NDF: 15.0/18
Left In: 4.562+/-88.081 χ²/NDF:31.3/17
Left: 76.590+/-62.395 χ²/NDF: 47.9/36
Right: -0.330+/-0.237 χ²/NDF: 27.0/34
In: -0.020+/-0.347 χ²/NDF:41.8/33
Out: -0.597+/-0.324 χ²/NDF:33.1/37
All: -0.329+/-0.237 χ²/NDF: 76.4/71



Right In: 390.276+/-0.245 χ^2/NDF: 11132240.7/14

Left Out: 339204.112+/-62.508 χ^2/NDF:345359.6/18

Right Out: 387.984+/-0.229 χ^2/NDF: 11074302.3/17

Left In: 335275.269+/-62.286 χ^2/NDF:522360.4/17

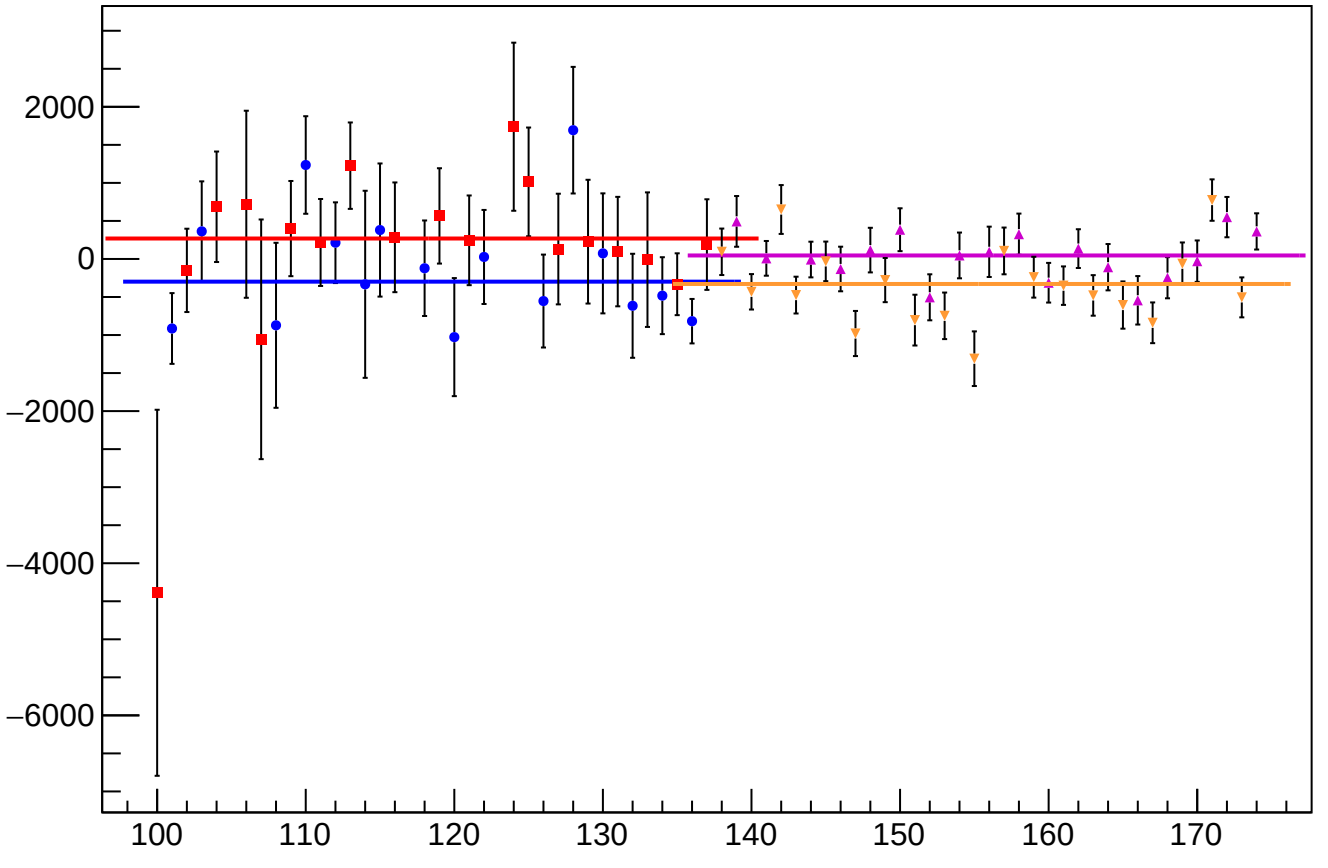
Left: 337232.717+/-44.121 χ^2/NDF: 869702.3/36

Right: 389.050+/-0.167 χ^2/NDF: 22206589.6/32

In: 395.476+/-0.245 χ^2/NDF:40561398.0/32

Out: 392.530+/-0.229 χ^2/NDF:40799848.8/36

All: 393.901+/-0.167 χ^2/NDF: 81361323.8/69



Right In: -298.263+/-147.367 χ^2/NDF: 21.2/15

Left Out: -328.796+/-64.465 χ^2/NDF:53.9/18

Right Out: 268.892+/-156.582 χ^2/NDF: 13.9/18

Left In: 45.972+/-64.984 χ^2/NDF:20.5/17

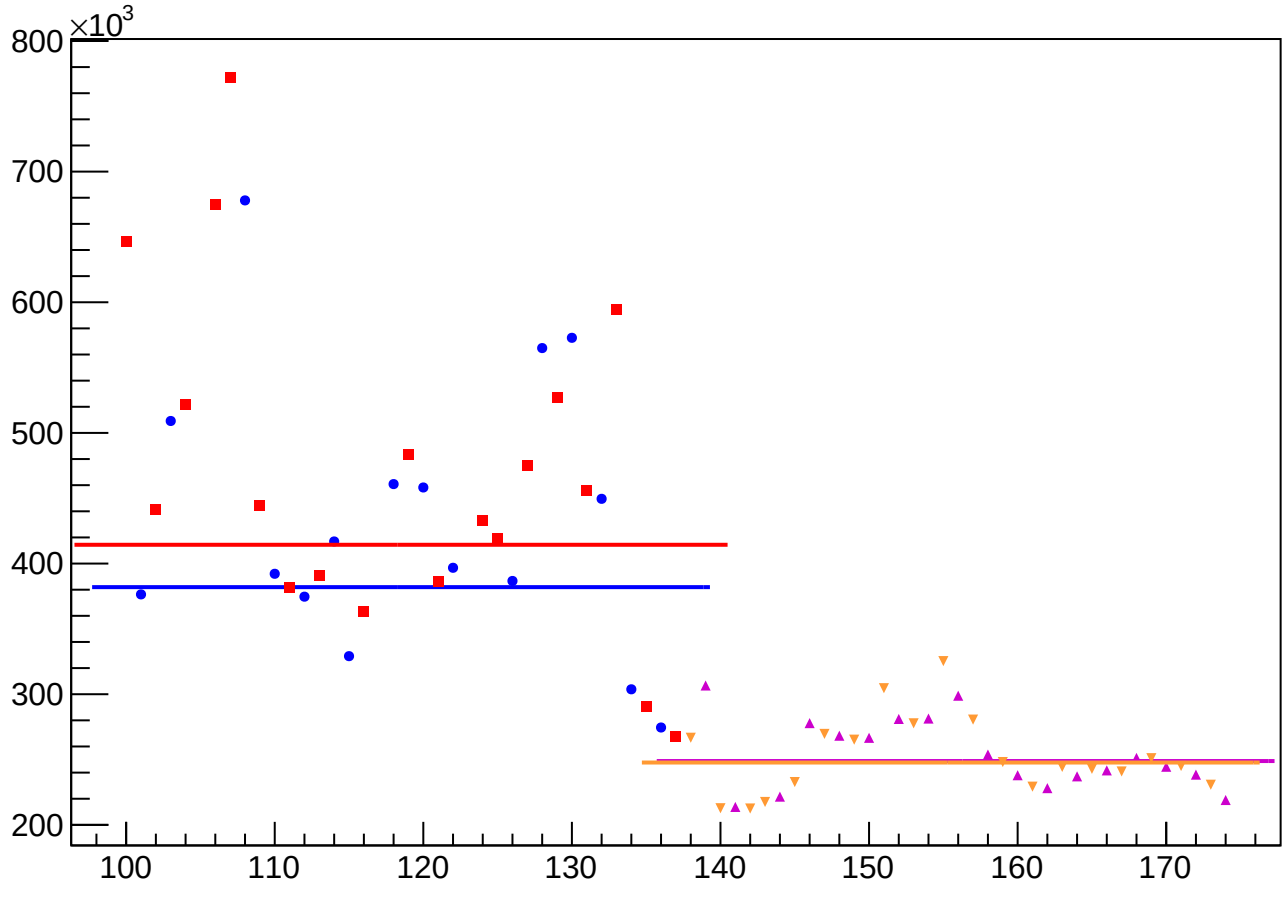
Left: -142.915+/-45.766 χ^2/NDF: 91.2/36

Right: -31.865+/-107.314 χ^2/NDF: 42.0/34

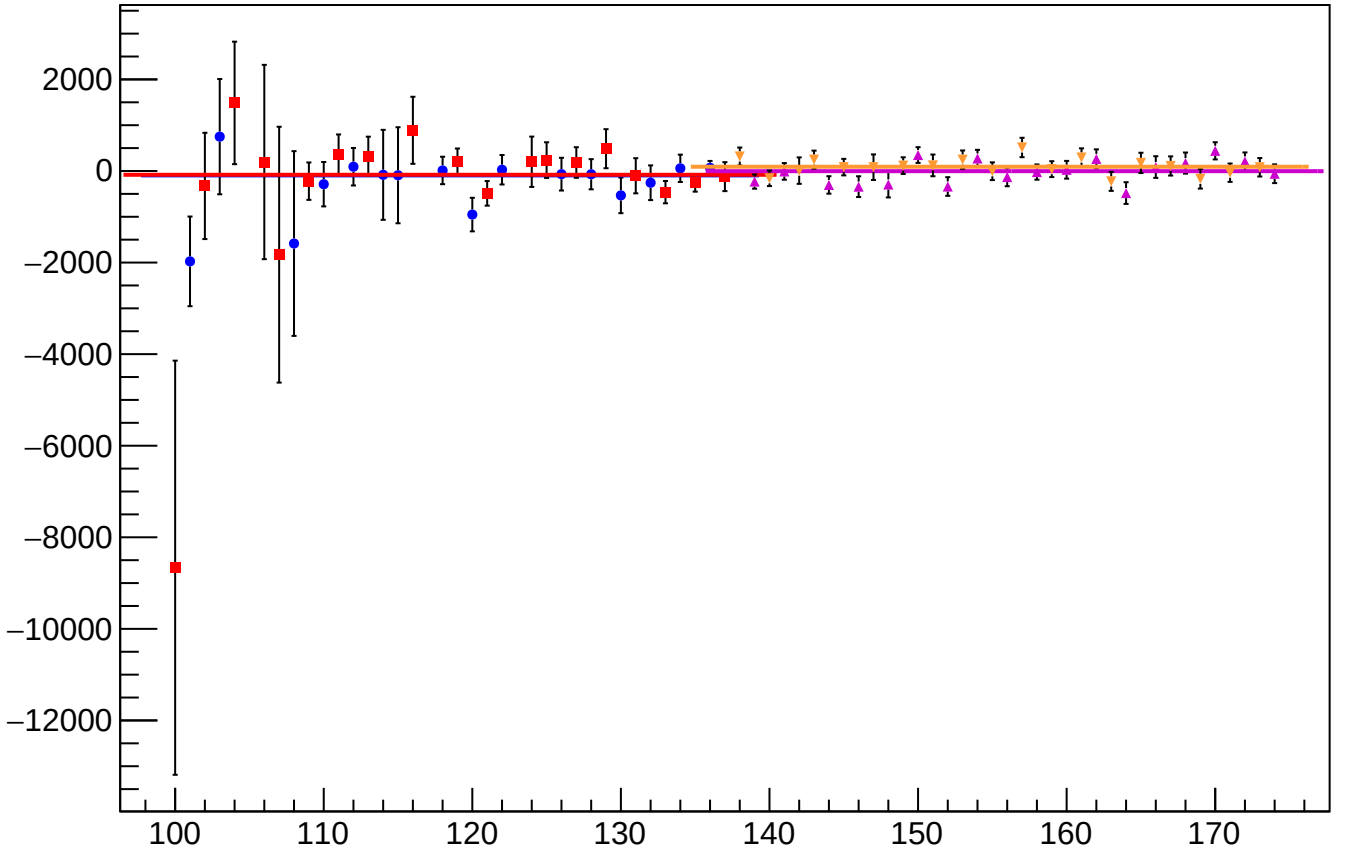
In: -10.068+/-59.460 χ^2/NDF:46.2/33

Out: -242.172+/-59.611 χ^2/NDF:80.3/37

All: -125.826+/-42.098 χ^2/NDF: 134.1/71


diff_cav4cX_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
110
120
130
140
150
160
170
Right In: 381960.471+/-104.223 χ²/NDF: 836441.6/15
Left Out: 247720.439+/-45.584 χ²/NDF:347888.0/18
Right Out: 414378.043+/-110.748 χ²/NDF: 760082.5/18
Left In: 248852.790+/-45.951 χ²/NDF:319016.7/17
Left: 248282.072+/-32.362 χ²/NDF: 667210.8/36
Right: 397186.164+/-75.899 χ²/NDF: 1641963.2/34
In: 270515.757+/-42.046 χ²/NDF:2521092.8/33
Out: 271863.981+/-42.153 χ²/NDF:3044430.2/37
All: 271188.156+/-29.769 χ²/NDF: 5566035.

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -95.850+/-88.267 χ^2/NDF: 13.7/15

Left Out: 93.060+/-46.638 χ^2/NDF:14.6/18

Right Out: -82.750+/-87.316 χ^2/NDF: 19.1/18

Left In: -4.157+/-46.639 χ^2/NDF:30.7/17

Left: 44.453+/-32.978 χ^2/NDF: 47.5/36

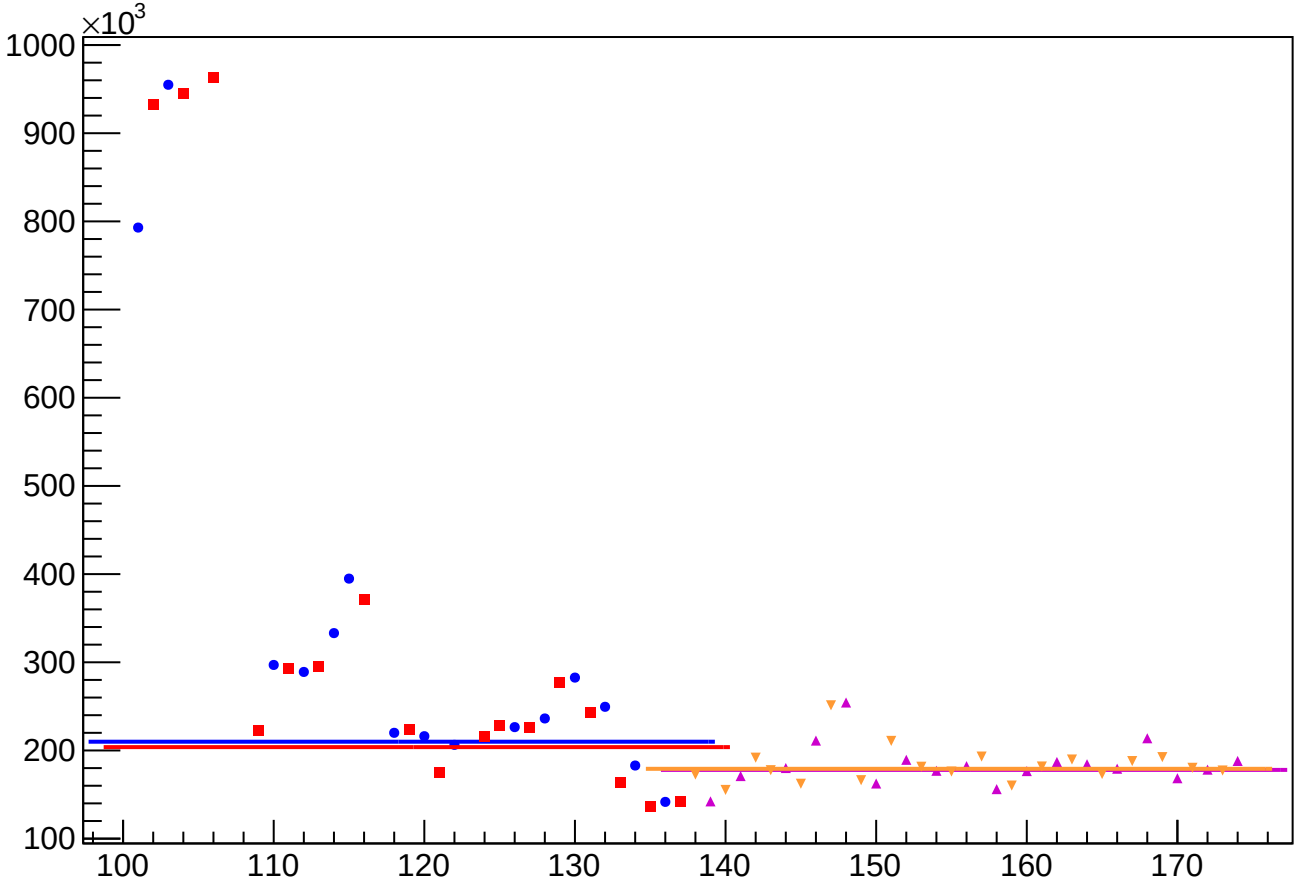
Right: -89.229+/-62.075 χ^2/NDF: 32.8/34

In: -24.170+/-41.237 χ^2/NDF:45.2/33

Out: 54.036+/-41.137 χ^2/NDF:36.9/37

All: 15.027+/-29.124 χ^2/NDF: 83.9/71

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 209929.195+/-62.523 χ^2/NDF: 1959897.2/14

Left Out: 179193.939+/-32.978 χ^2/NDF:294406.0/18

Right Out: 203793.382+/-61.895 χ^2/NDF: 2070478.1/16

Left In: 177955.897+/-32.979 χ^2/NDF:419005.7/17

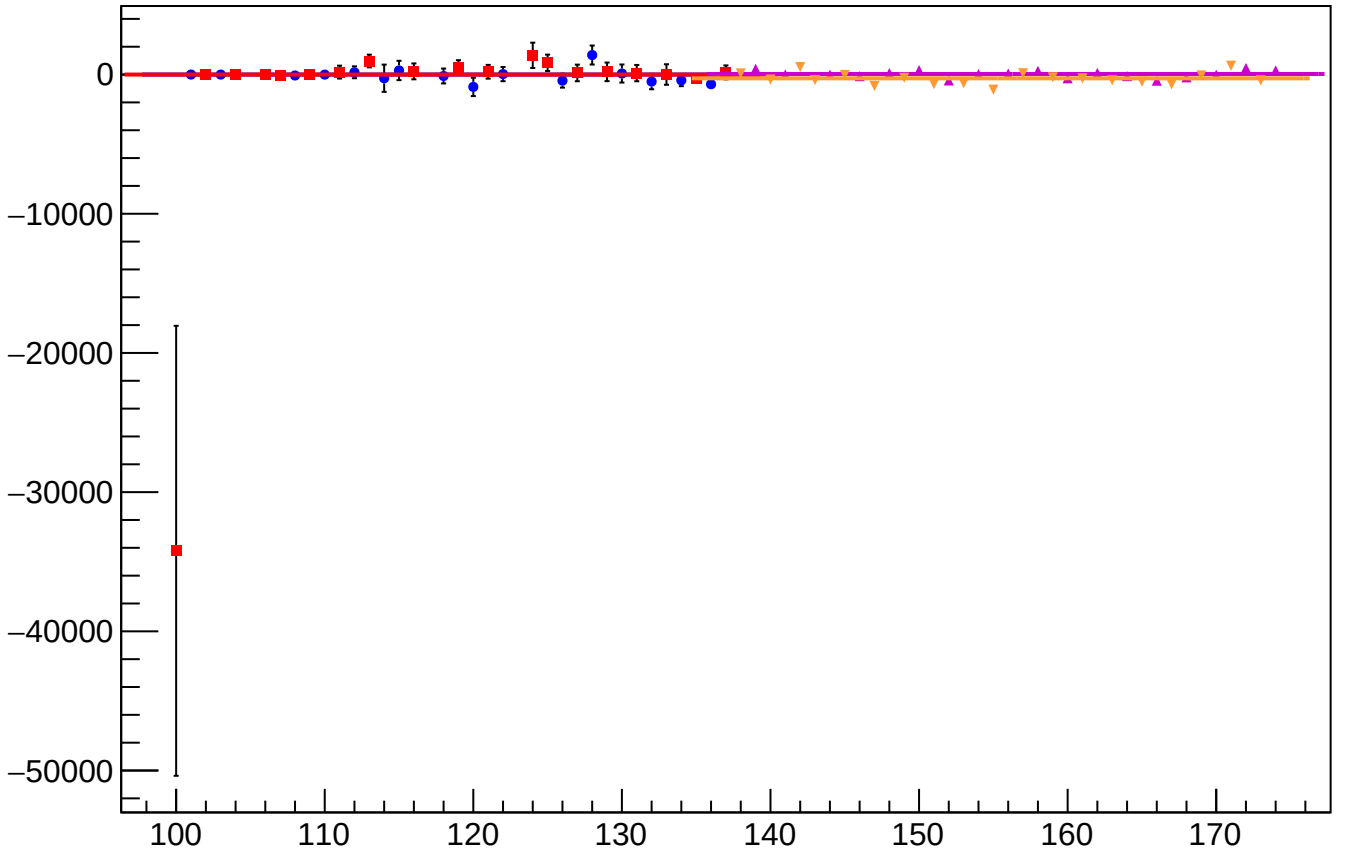
Left: 178574.938+/-23.319 χ^2/NDF: 714116.4/36

Right: 206830.314+/-43.987 χ^2/NDF: 4035239.4/31

In: 184915.375+/-29.170 χ^2/NDF:2583496.3/32

Out: 184633.179+/-29.104 χ^2/NDF:2487916.4/35

All: 184773.961+/-20.603 χ^2/NDF: 5071459.



Right In: -0.035+/-0.172 χ^2/NDF: 18.1/15

Left Out: -271.648+/-53.872 χ^2/NDF:53.7/18

Right Out: 0.355+/-0.160 χ^2/NDF: 16.5/18

Left In: 41.162+/-54.337 χ^2/NDF:20.5/17

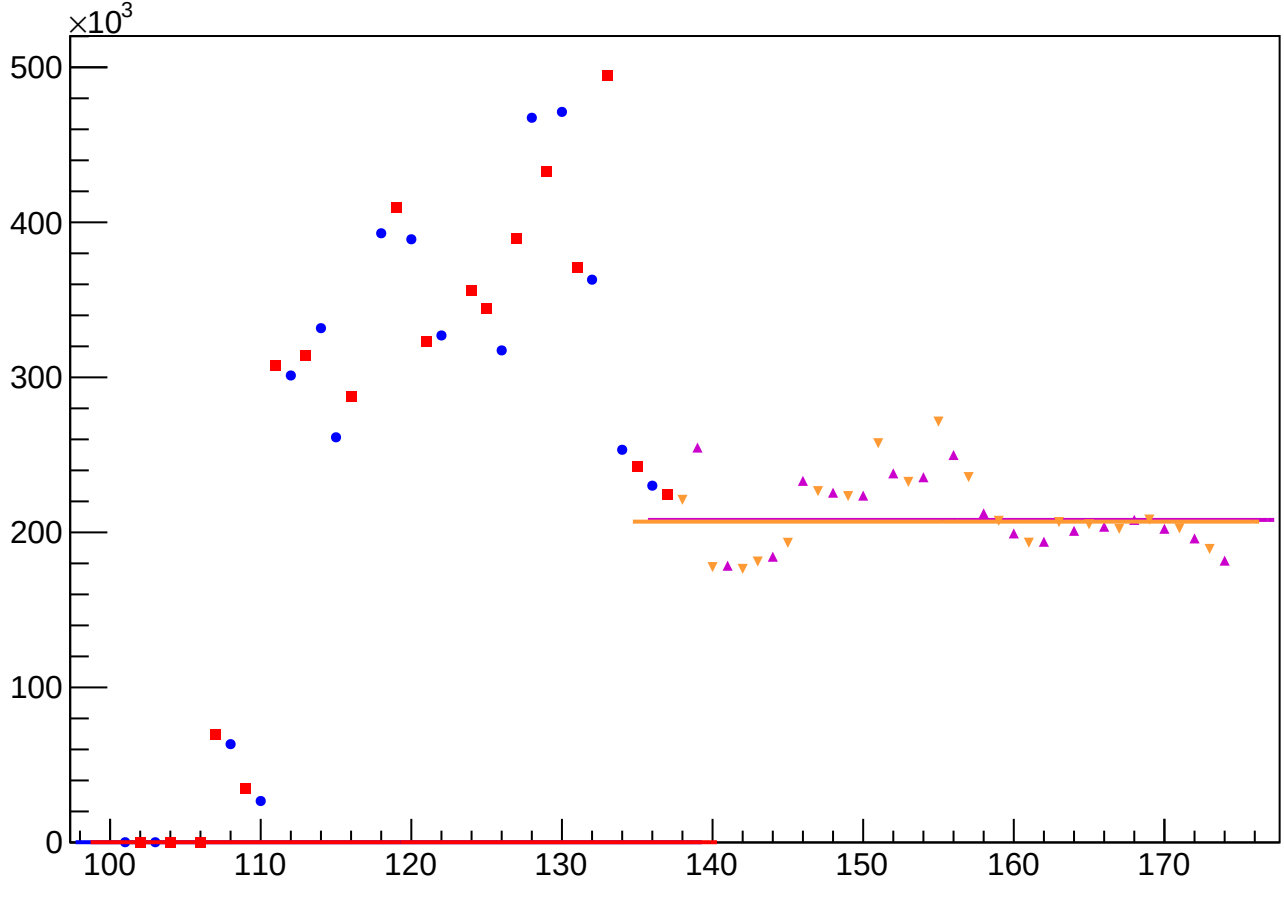
Left: -116.587+/-38.257 χ^2/NDF: 91.0/36

Right: 0.174+/-0.117 χ^2/NDF: 37.4/34

In: -0.035+/-0.172 χ^2/NDF:39.2/33

Out: 0.353+/-0.160 χ^2/NDF:95.7/37

All: 0.173+/-0.117 χ^2/NDF: 137.7/71



Right In: 149.092+/-0.122 χ^2/NDF: 11301940.9/15

Left Out: 206944.989+/-38.093 χ^2/NDF:364945.8/18

Right Out: 149.379+/-0.113 χ^2/NDF: 11288711.4/17

Left In: 208045.936+/-38.422 χ^2/NDF:328515.7/17

Left: 207490.730+/-27.052 χ^2/NDF: 693875.6/36

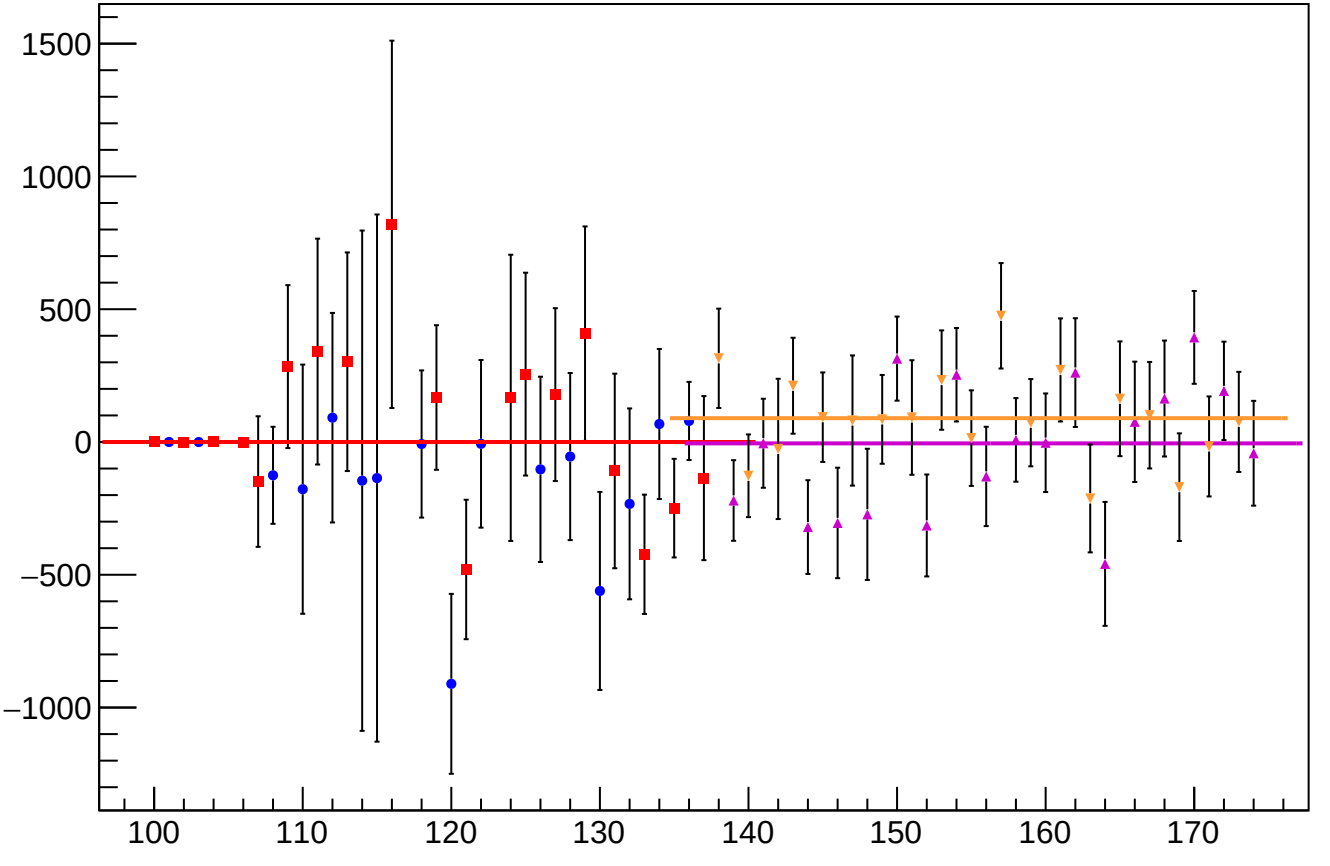
Right: 149.246+/-0.083 χ^2/NDF: 22590655.3/33

In: 151.182+/-0.122 χ^2/NDF:40907560.7/33

Out: 151.206+/-0.113 χ^2/NDF:41123884.2/36

All: 151.195+/-0.083 χ^2/NDF: 82031444.9/70

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.177 χ^2/NDF: 11.2/15

Left Out: 89.674+/-43.700 χ^2/NDF:13.8/18

Right Out: -0.126+/-0.166 χ^2/NDF: 15.2/18

Left In: -5.259+/-43.933 χ^2/NDF:30.3/17

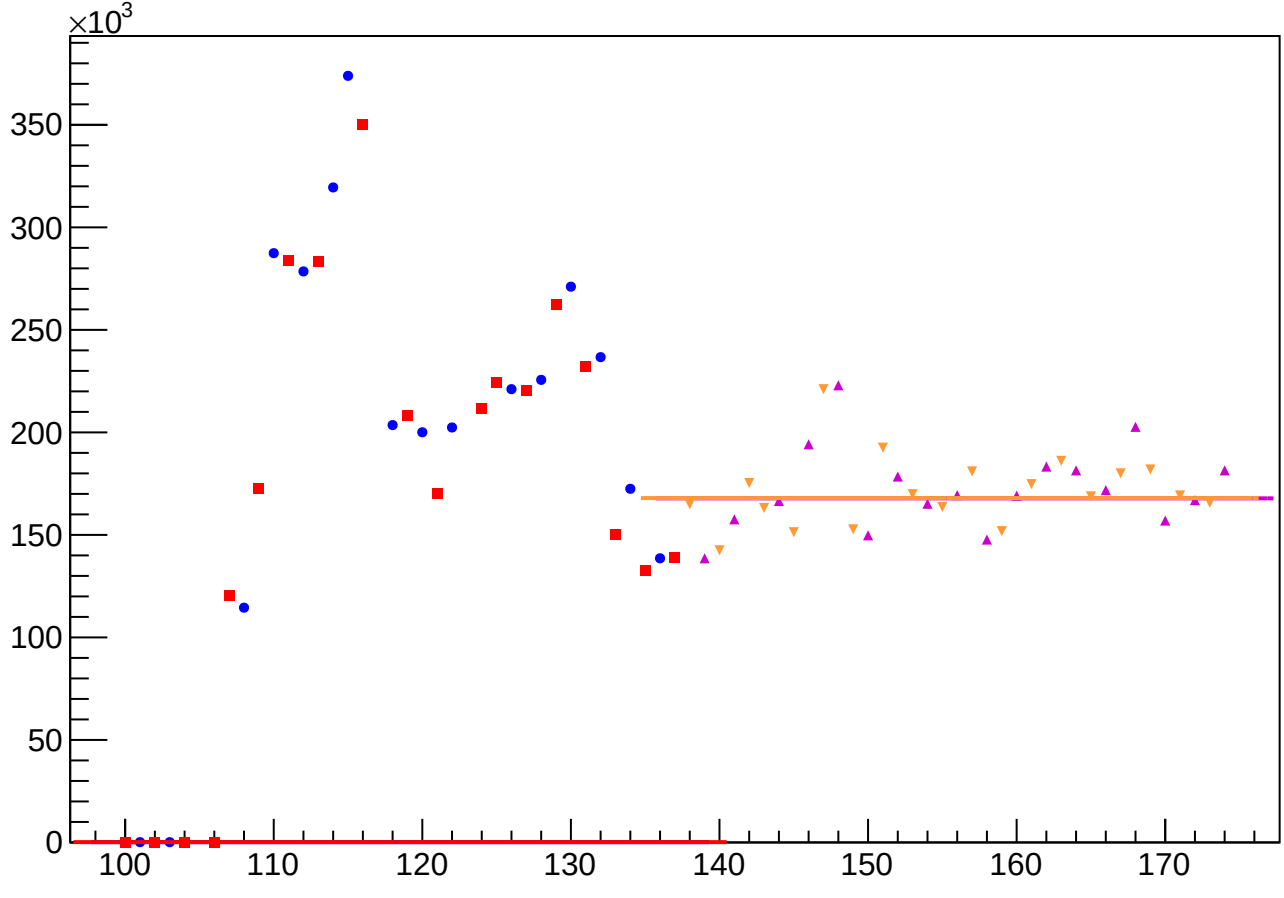
Left: 42.461+/-30.983 χ^2/NDF: 46.4/36

Right: -0.099+/-0.121 χ^2/NDF: 26.5/34

In: -0.068+/-0.177 χ^2/NDF:41.5/33

Out: -0.125+/-0.166 χ^2/NDF:33.2/37

All: -0.098+/-0.121 χ^2/NDF: 74.8/71



Right In: 153.460+/-0.125 χ^2/NDF: 11904914.7/15

Left Out: 167960.404+/-30.900 χ^2/NDF:277893.8/18

Right Out: 156.158+/-0.118 χ^2/NDF: 11330885.6/18

Left In: 167823.455+/-31.066 χ^2/NDF:366299.5/17

Left: 167892.295+/-21.908 χ^2/NDF: 644203.0/36

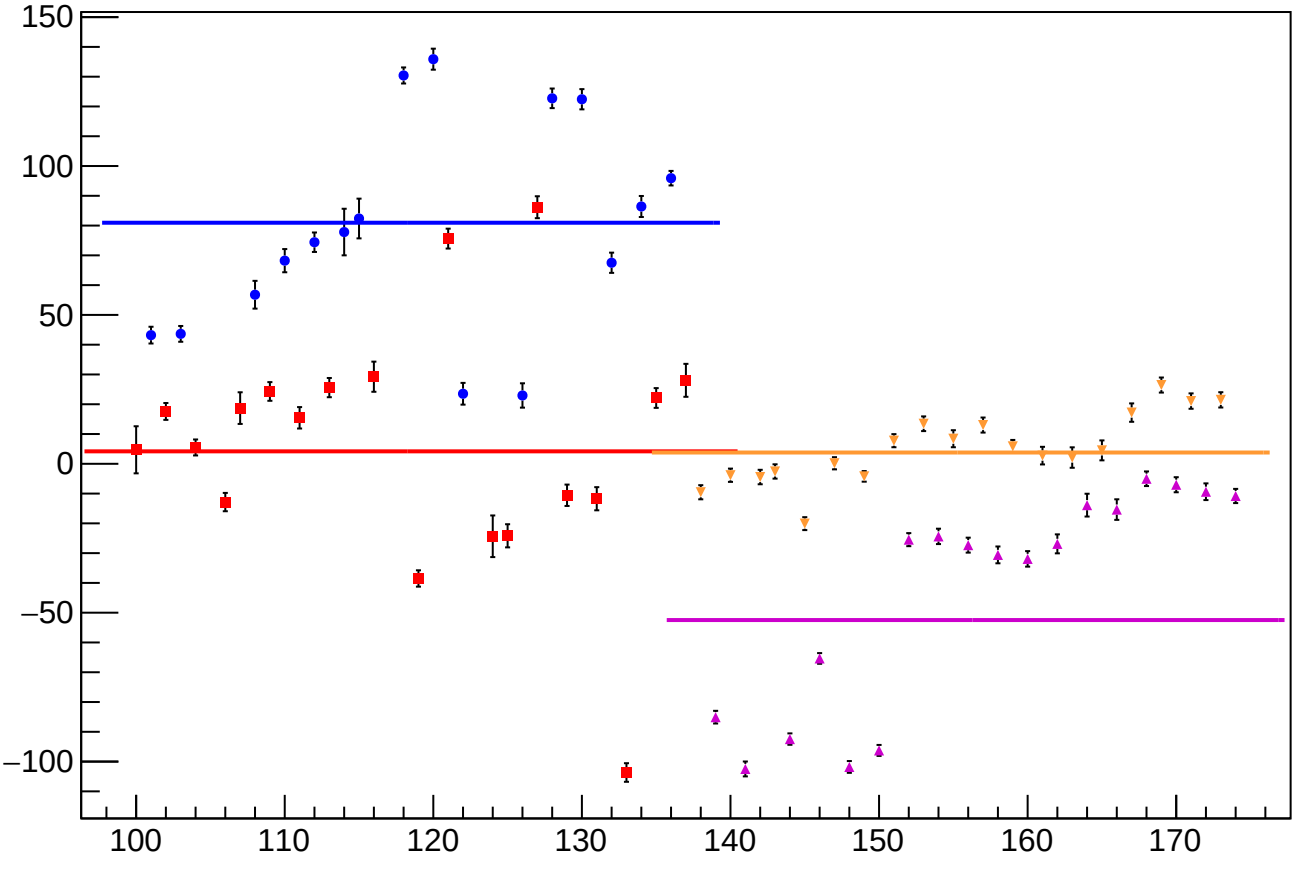
Right: 154.893+/-0.086 χ^2/NDF: 23236046.4/34

In: 156.189+/-0.125 χ^2/NDF:41401467.9/33

Out: 158.593+/-0.118 χ^2/NDF:41098821.0/37

All: 157.466+/-0.086 χ^2/NDF: 82500484.4/71

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 80.955+/-0.851 χ^2/NDF: 1813.9/15

Left Out: 3.791+/-0.559 χ^2/NDF:433.4/18

Right Out: 4.183+/-0.820 χ^2/NDF: 2719.7/18

Left In: -52.472+/-0.561 χ^2/NDF:4319.9/17

Left: -24.244+/-0.396 χ^2/NDF: 9803.3/36

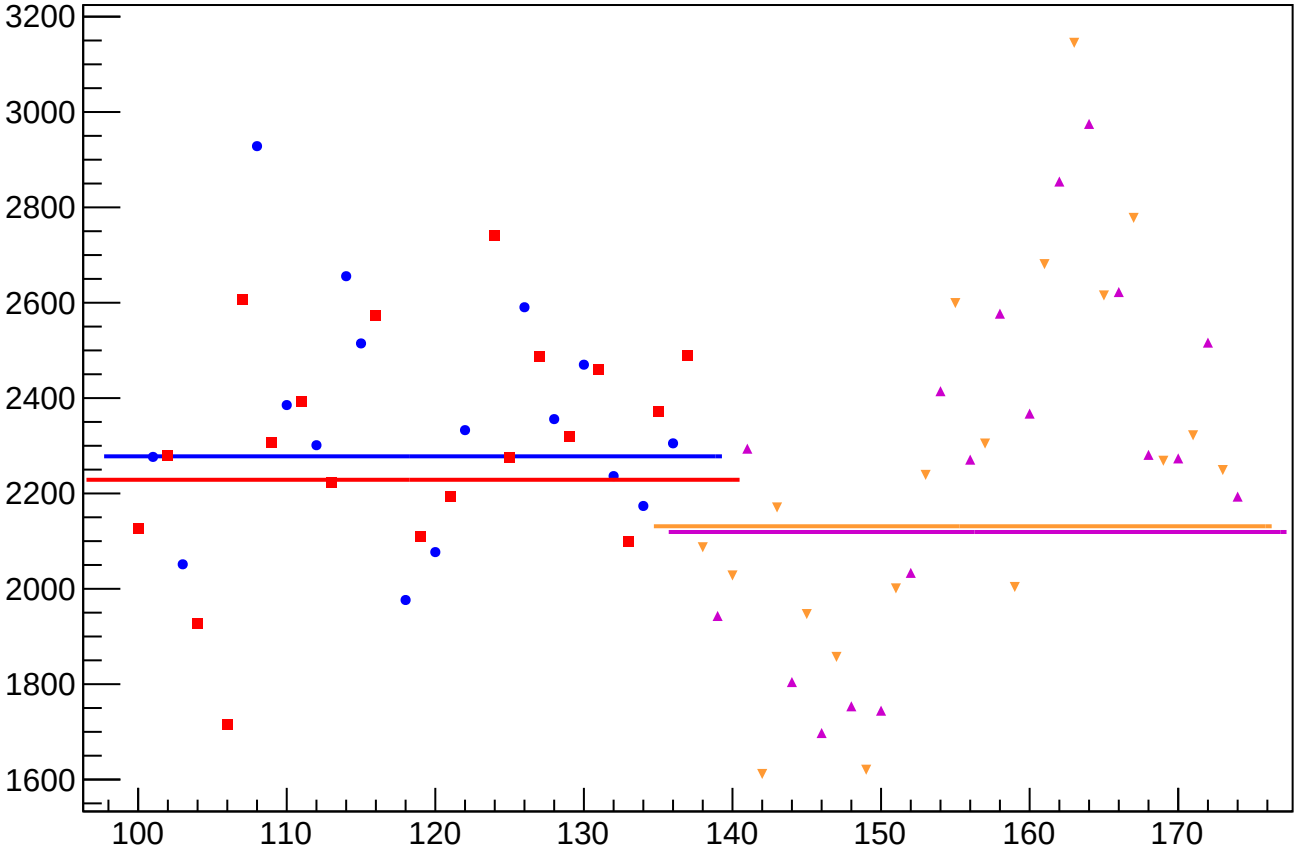
Right: 41.130+/-0.591 χ^2/NDF: 8751.0/34

In: -12.103+/-0.468 χ^2/NDF:23260.7/33

Out: 3.915+/-0.462 χ^2/NDF:3153.3/37

All: -3.982+/-0.329 χ^2/NDF: 27007.0/71

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 2277.867+/-0.602 χ^2/NDF: 115771.4/15

Left Out: 2131.192+/-0.395 χ^2/NDF:786499.9/18

Right Out: 2228.689+/-0.580 χ^2/NDF: 151135.6/18

Left In: 2119.177+/-0.397 χ^2/NDF:753550.0/17

Left: 2125.205+/-0.280 χ^2/NDF: 1540510.6/36

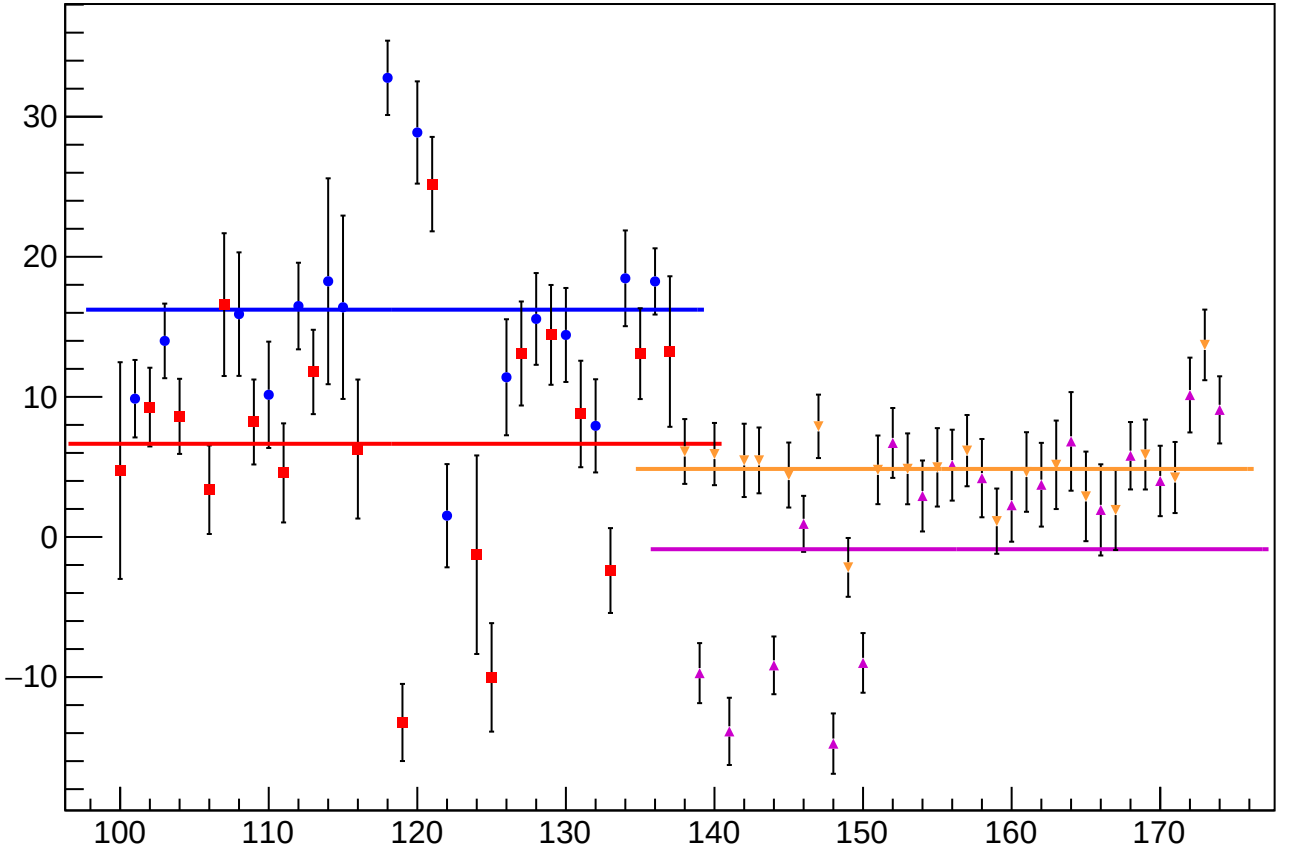
Right: 2252.356+/-0.418 χ^2/NDF: 270367.9/34

In: 2167.190+/-0.331 χ^2/NDF:917774.0/33

Out: 2162.112+/-0.327 χ^2/NDF:956937.9/37

All: 2164.615+/-0.233 χ^2/NDF: 1874831.1/71

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 16.226+/-0.838 χ^2/NDF: 84.5/15

Left Out: 4.858+/-0.574 χ^2/NDF:30.5/18

Right Out: 6.652+/-0.809 χ^2/NDF: 134.6/18

Left In: -0.873+/-0.578 χ^2/NDF:194.8/17

Left: 2.010+/-0.407 χ^2/NDF: 274.8/36

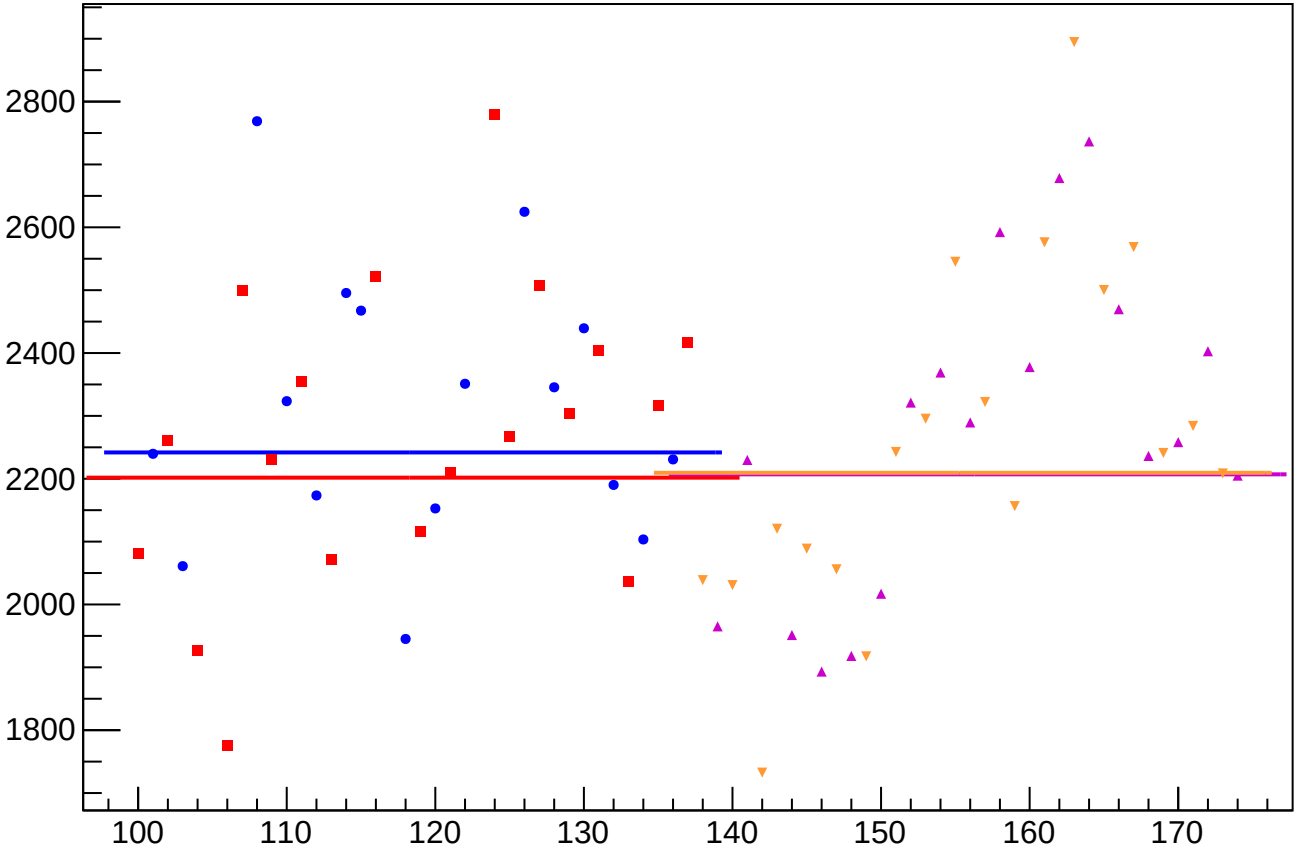
Right: 11.274+/-0.582 χ^2/NDF: 286.7/34

In: 4.642+/-0.476 χ^2/NDF:561.7/33

Out: 5.459+/-0.468 χ^2/NDF:168.4/37

All: 5.057+/-0.334 χ^2/NDF: 731.5/71

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 2241.853+/-0.592 χ^2/NDF: 102260.7/15

Left Out: 2209.462+/-0.406 χ^2/NDF:360556.4/18

Right Out: 2201.739+/-0.572 χ^2/NDF: 129882.5/18

Left In: 2207.013+/-0.409 χ^2/NDF:338653.2/17

Left: 2208.245+/-0.288 χ^2/NDF: 699227.7/36

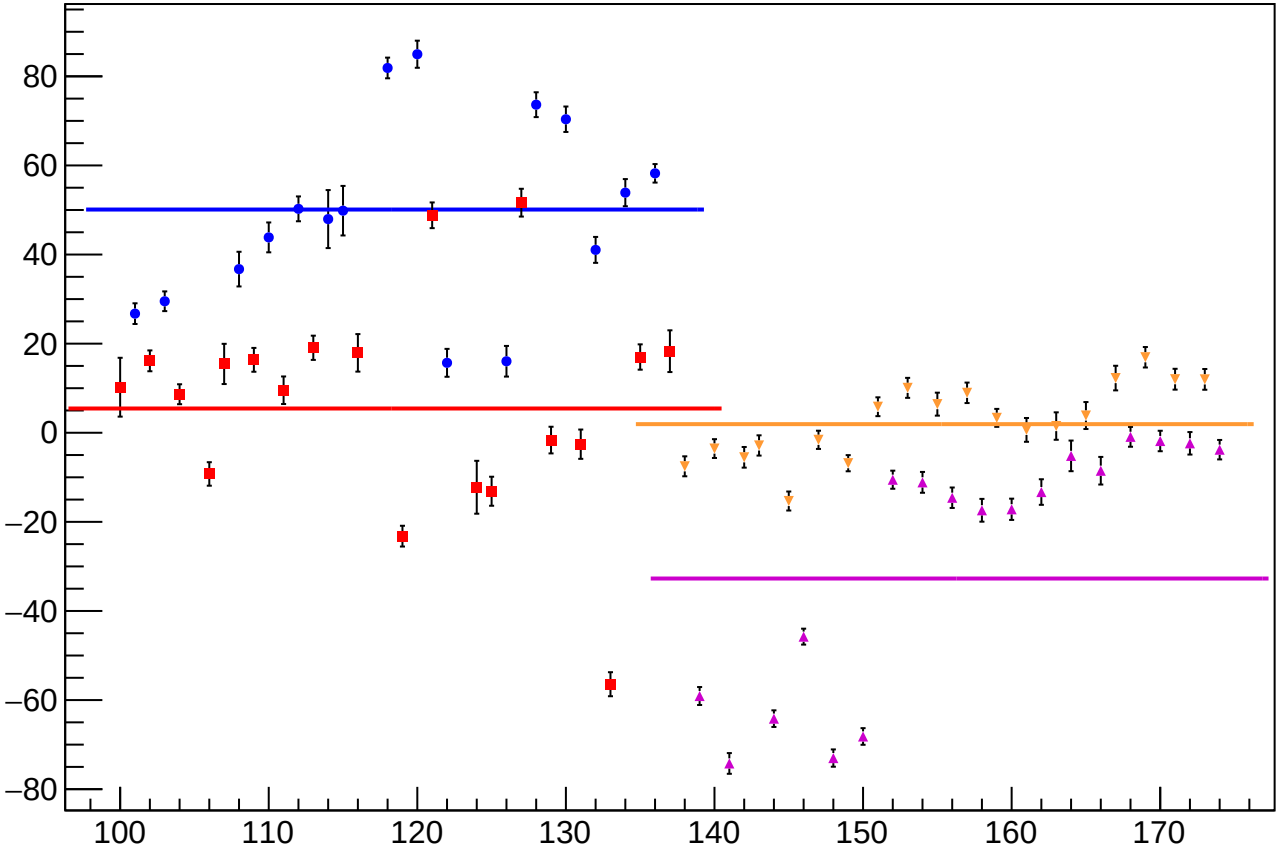
Right: 2221.106+/-0.412 χ^2/NDF: 234515.6/34

In: 2218.251+/-0.336 χ^2/NDF:443258.0/33

Out: 2206.875+/-0.331 χ^2/NDF:490560.1/37

All: 2212.474+/-0.236 χ^2/NDF: 934398.9/71

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 50.102+/-0.722 χ^2/NDF: 888.5/15

Left Out: 1.934+/-0.526 χ^2/NDF:255.2/18

Right Out: 5.444+/-0.694 χ^2/NDF: 1311.6/18

Left In: -32.718+/-0.527 χ^2/NDF:2838.1/17

Left: -15.335+/-0.372 χ^2/NDF: 5258.3/36

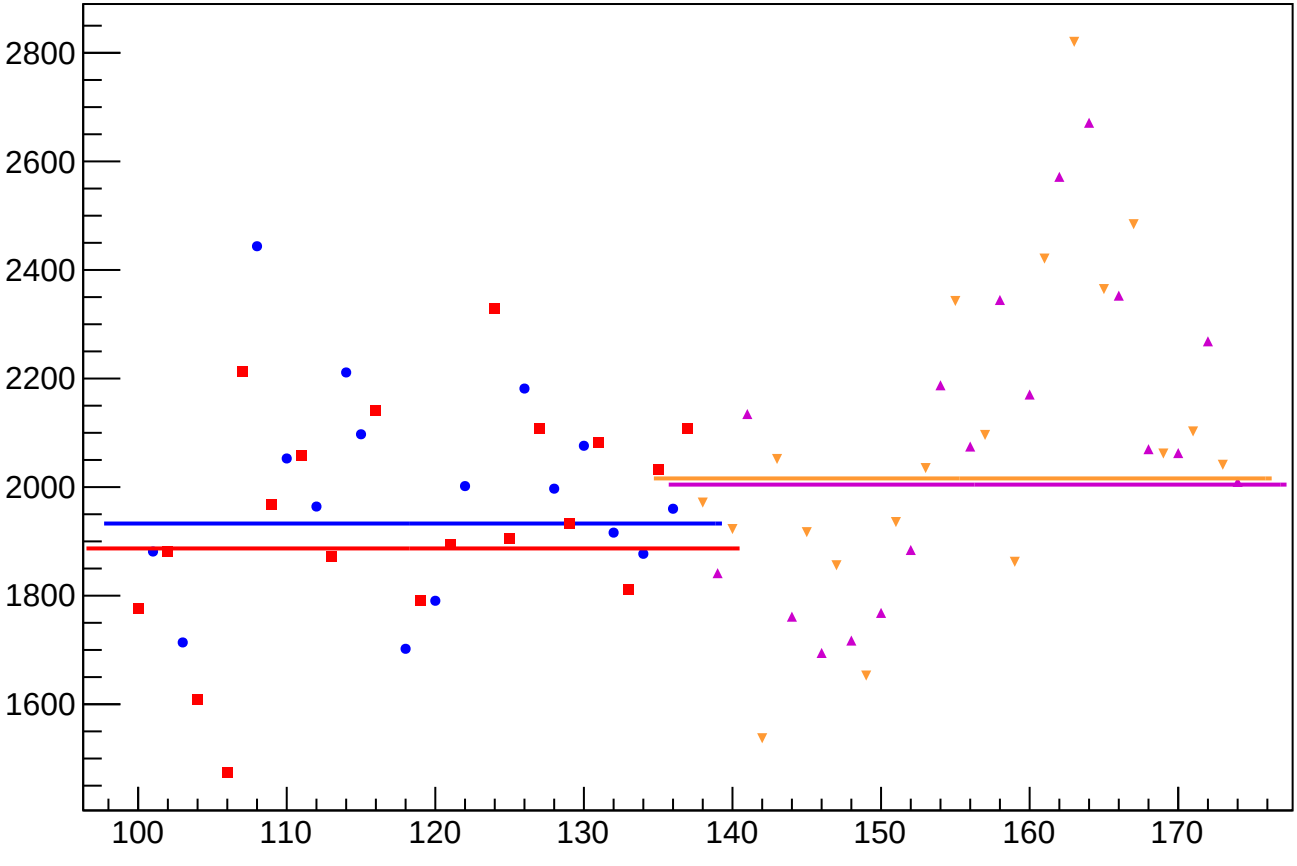
Right: 26.895+/-0.500 χ^2/NDF: 4187.6/34

In: -3.904+/-0.426 χ^2/NDF:12304.0/33

Out: 3.213+/-0.419 χ^2/NDF:1583.0/37

All: -0.288+/-0.299 χ^2/NDF: 14028.8/71

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1932.904+/-0.511 χ^2/NDF: 105967.6/15

Left Out: 2015.984+/-0.372 χ^2/NDF:506625.3/18

Right Out: 1887.006+/-0.491 χ^2/NDF: 149746.6/18

Left In: 2004.592+/-0.373 χ^2/NDF:458737.6/17

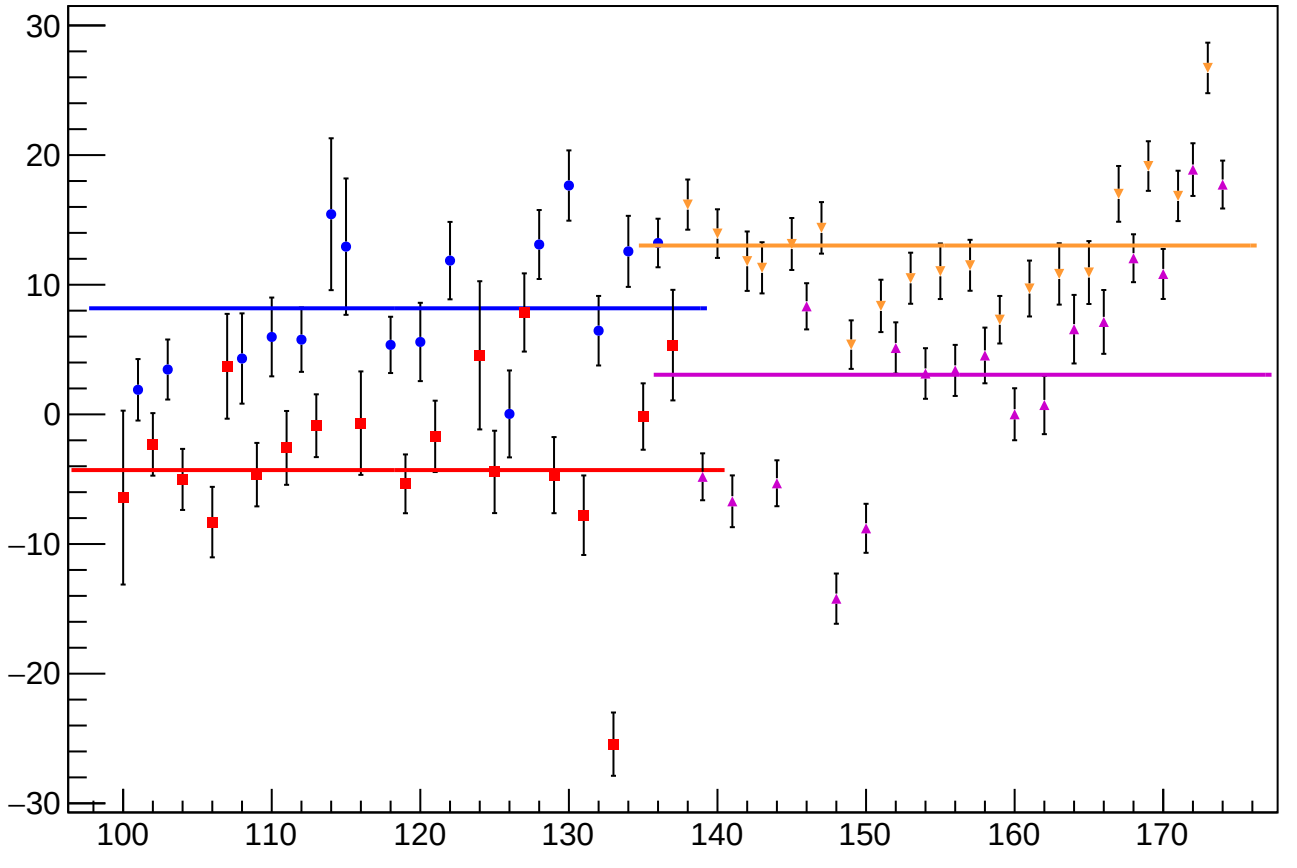
Left: 2010.307+/-0.263 χ^2/NDF: 965830.9/36

Right: 1909.052+/-0.354 χ^2/NDF: 259912.9/34

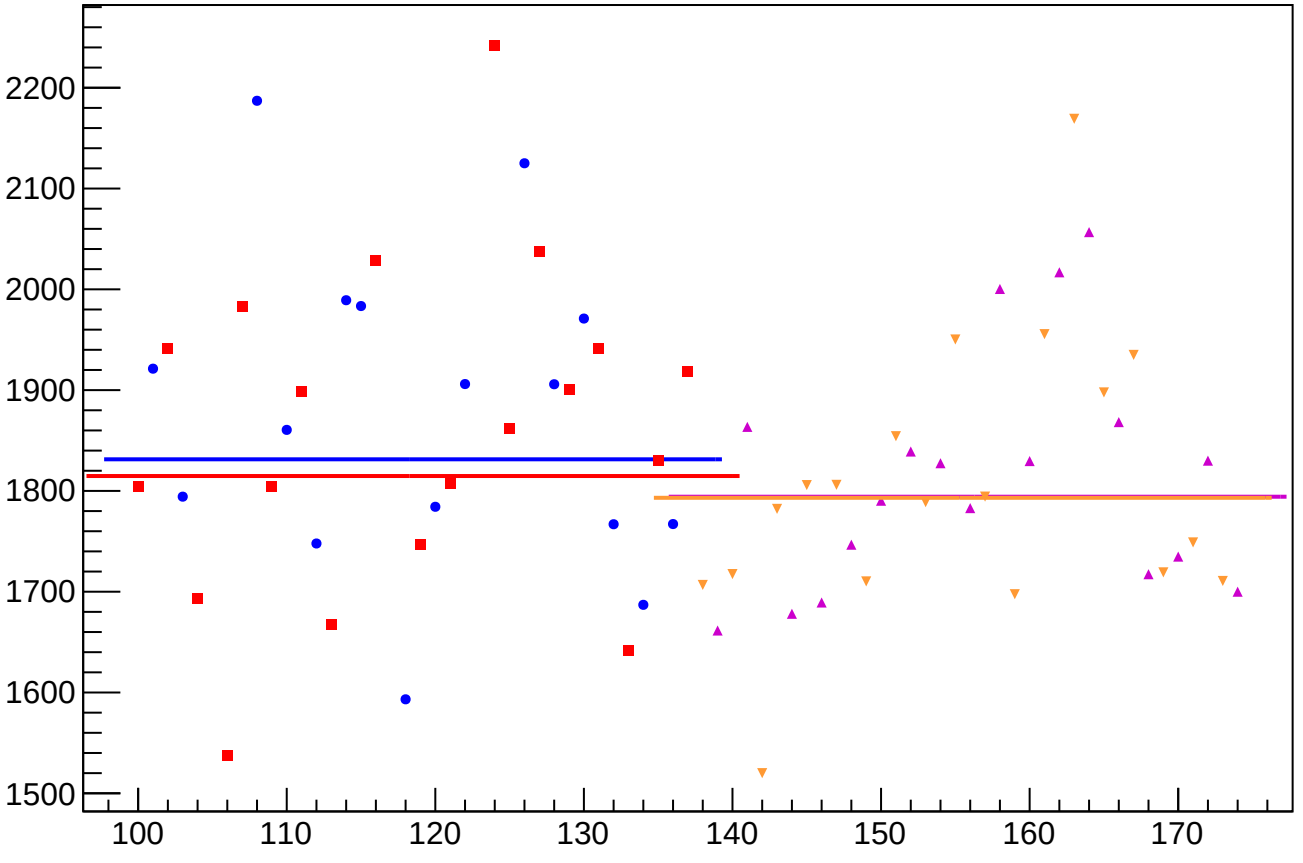
In: 1979.651+/-0.301 χ^2/NDF:577557.9/33

Out: 1968.979+/-0.296 χ^2/NDF:700241.6/37

All: 1974.229+/-0.211 χ^2/NDF: 1278437.4/71


diff_bpm0i01aY_mean vs Slug, Sign Corrected
30
20
10
0
−10
−20
−30
100
110
120
130
140
150
160
170
Right In: 8.183+/-0.684 χ²/NDF: 52.0/15
Left Out: 13.025+/-0.464 χ²/NDF:110.2/18
Right Out: -4.297+/-0.665 χ²/NDF: 114.0/18
Left In: 3.057+/-0.467 χ²/NDF:365.7/17
Left: 8.076+/-0.329 χ²/NDF: 705.1/36
Right: 1.776+/-0.477 χ²/NDF: 337.0/34
In: 4.689+/-0.386 χ²/NDF:456.0/33
Out: 7.358+/-0.381 χ²/NDF:680.1/37
All: 6.042+/-0.271 χ²/NDF: 1160.3/71

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1831.359+/-0.483 χ^2/NDF: 86919.2/15

Left Out: 1793.177+/-0.328 χ^2/NDF:139726.5/18

Right Out: 1814.774+/-0.471 χ^2/NDF: 90738.7/18

Left In: 1794.252+/-0.330 χ^2/NDF:102914.8/17

Left: 1793.711+/-0.233 χ^2/NDF: 242646.6/36

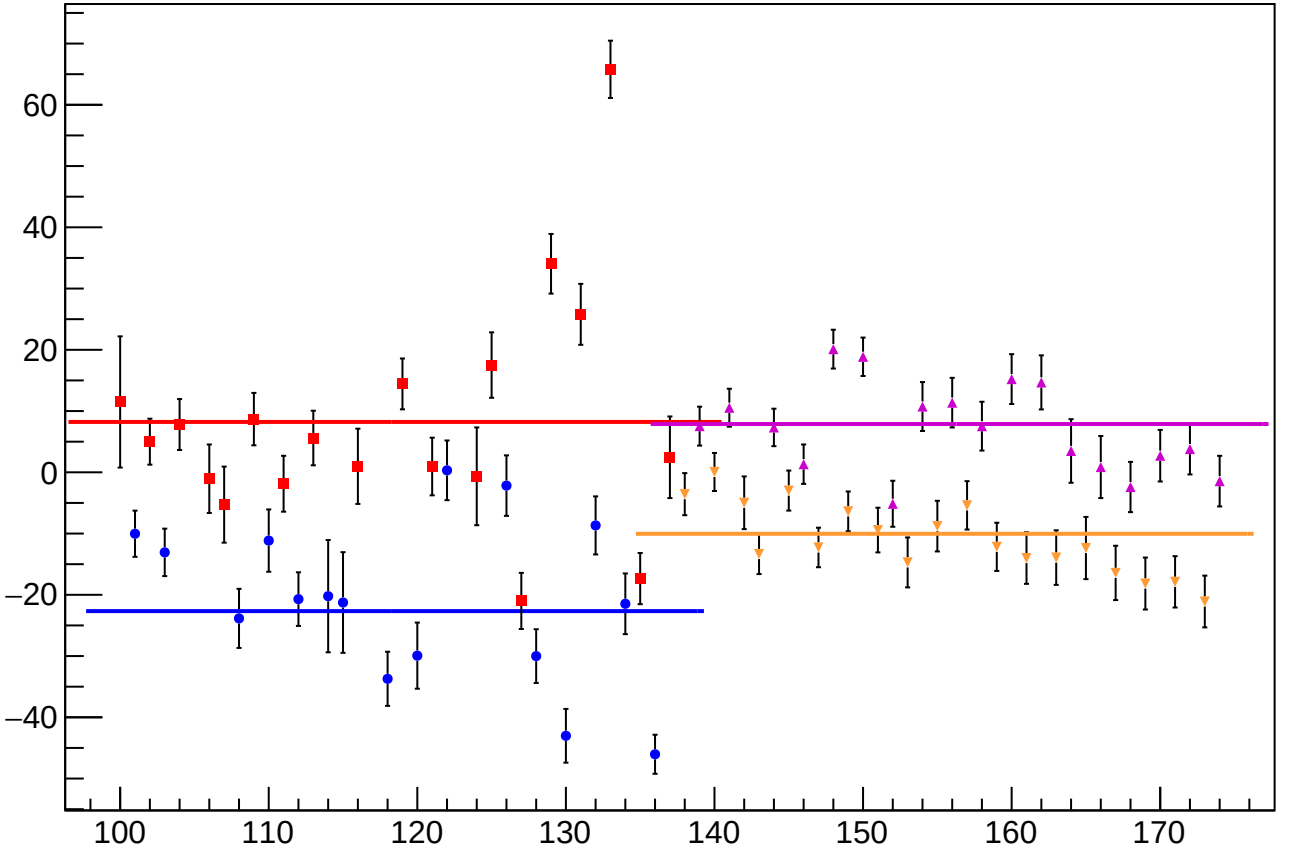
Right: 1822.844+/-0.337 χ^2/NDF: 178262.4/34

In: 1806.070+/-0.273 χ^2/NDF:193850.6/33

Out: 1800.242+/-0.269 χ^2/NDF:231882.5/37

All: 1803.117+/-0.192 χ^2/NDF: 425964.4/71

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.663+/-1.152 χ^2/NDF: 157.2/15

Left Out: -10.039+/-0.874 χ^2/NDF:44.0/18

Right Out: 8.224+/-1.129 χ^2/NDF: 294.8/18

Left In: 7.883+/-0.882 χ^2/NDF:67.5/17

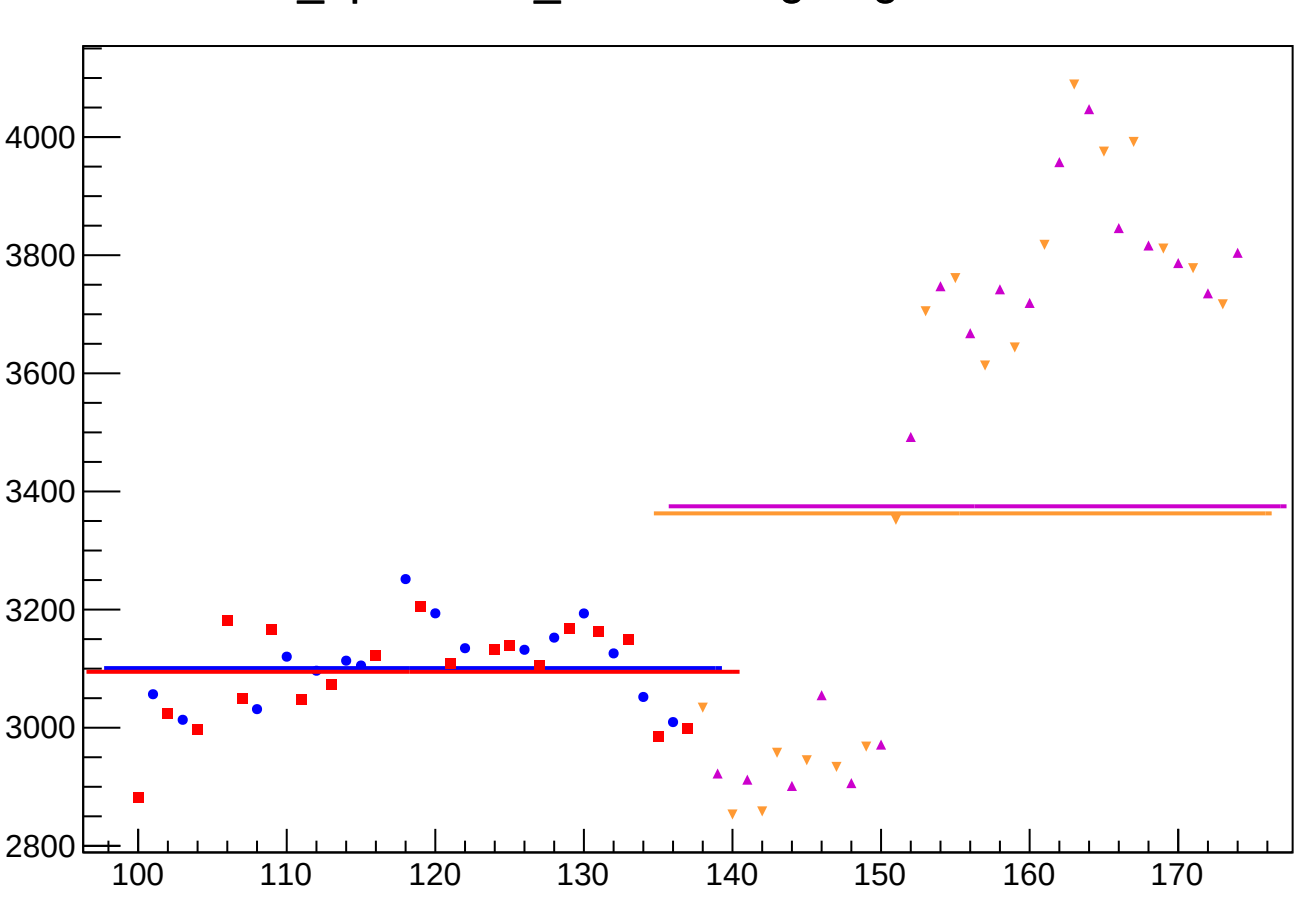
Left: -1.153+/-0.621 χ^2/NDF: 319.7/36

Right: -6.906+/-0.806 χ^2/NDF: 818.8/34

In: -3.403+/-0.700 χ^2/NDF:668.0/33

Out: -3.189+/-0.691 χ^2/NDF:502.4/37

All: -3.295+/-0.492 χ^2/NDF: 1170.4/71



Right In: 3100.940+/-0.815 χ^2/NDF: 7893.7/15

Left Out: 3362.885+/-0.618 χ^2/NDF:480689.7/18

Right Out: 3094.688+/-0.798 χ^2/NDF: 8584.4/18

Left In: 3374.884+/-0.624 χ^2/NDF:455593.7/17

Left: 3368.835+/-0.439 χ^2/NDF: 936470.2/36

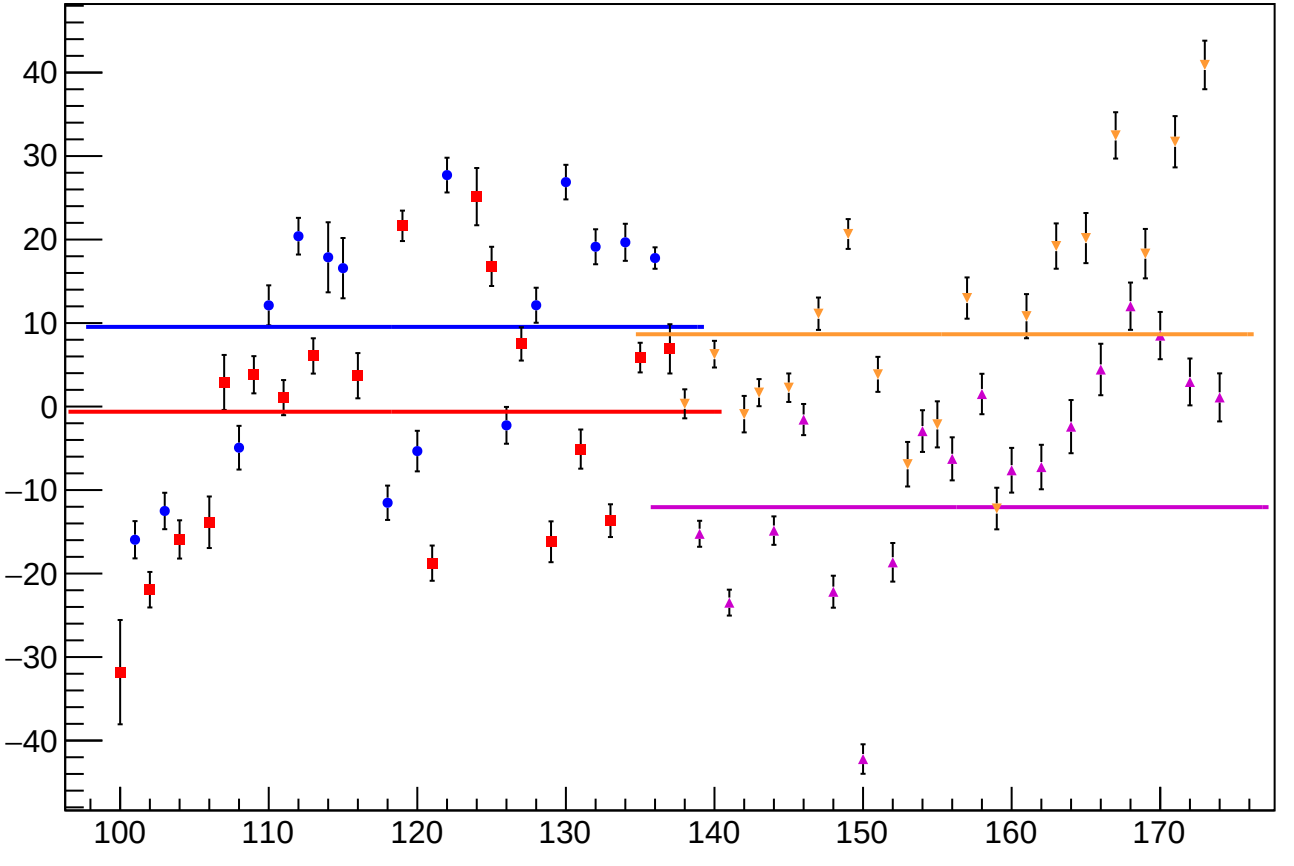
Right: 3097.751+/-0.570 χ^2/NDF: 16508.2/34

In: 3273.669+/-0.495 χ^2/NDF:534805.8/33

Out: 3262.295+/-0.489 χ^2/NDF:559831.0/37

All: 3267.909+/-0.348 χ^2/NDF: 1094904.0/71

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 9.540+/-0.541 χ^2/NDF: 698.7/15

Left Out: 8.659+/-0.505 χ^2/NDF:545.9/18

Right Out: -0.620+/-0.534 χ^2/NDF: 665.8/18

Left In: -12.047+/-0.520 χ^2/NDF:687.9/17

Left: -1.401+/-0.362 χ^2/NDF: 2049.8/36

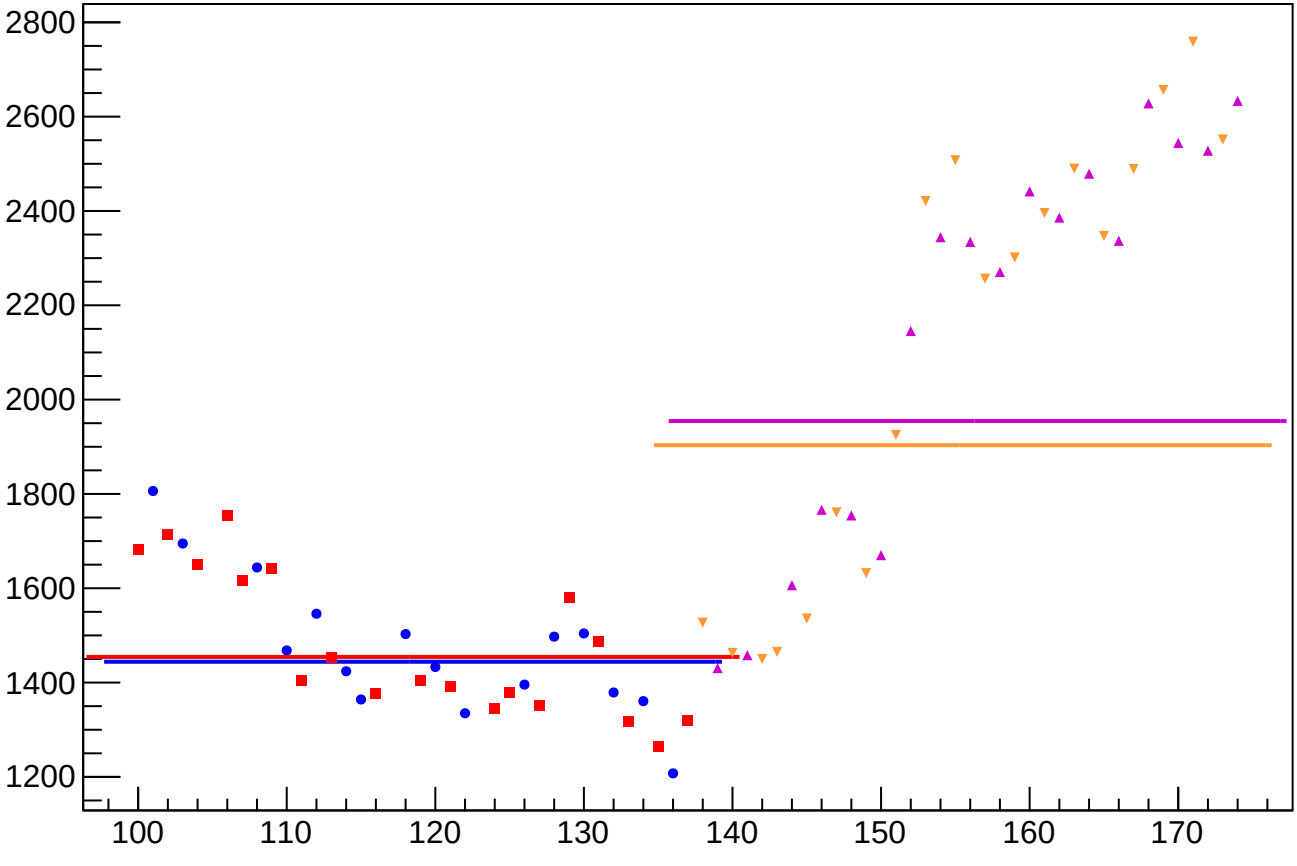
Right: 4.392+/-0.380 χ^2/NDF: 1543.1/34

In: -1.691+/-0.375 χ^2/NDF:2214.1/33

Out: 4.277+/-0.367 χ^2/NDF:1371.0/37

All: 1.356+/-0.262 χ^2/NDF: 3714.6/71

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1444.188+/-0.383 χ^2/NDF: 180147.9/15

Left Out: 1903.372+/-0.357 χ^2/NDF:1570377.9/18

Right Out: 1454.470+/-0.378 χ^2/NDF: 142772.9/18

Left In: 1954.579+/-0.368 χ^2/NDF:1346584.0/17

Left: 1928.251+/-0.256 χ^2/NDF: 2926942.4/36

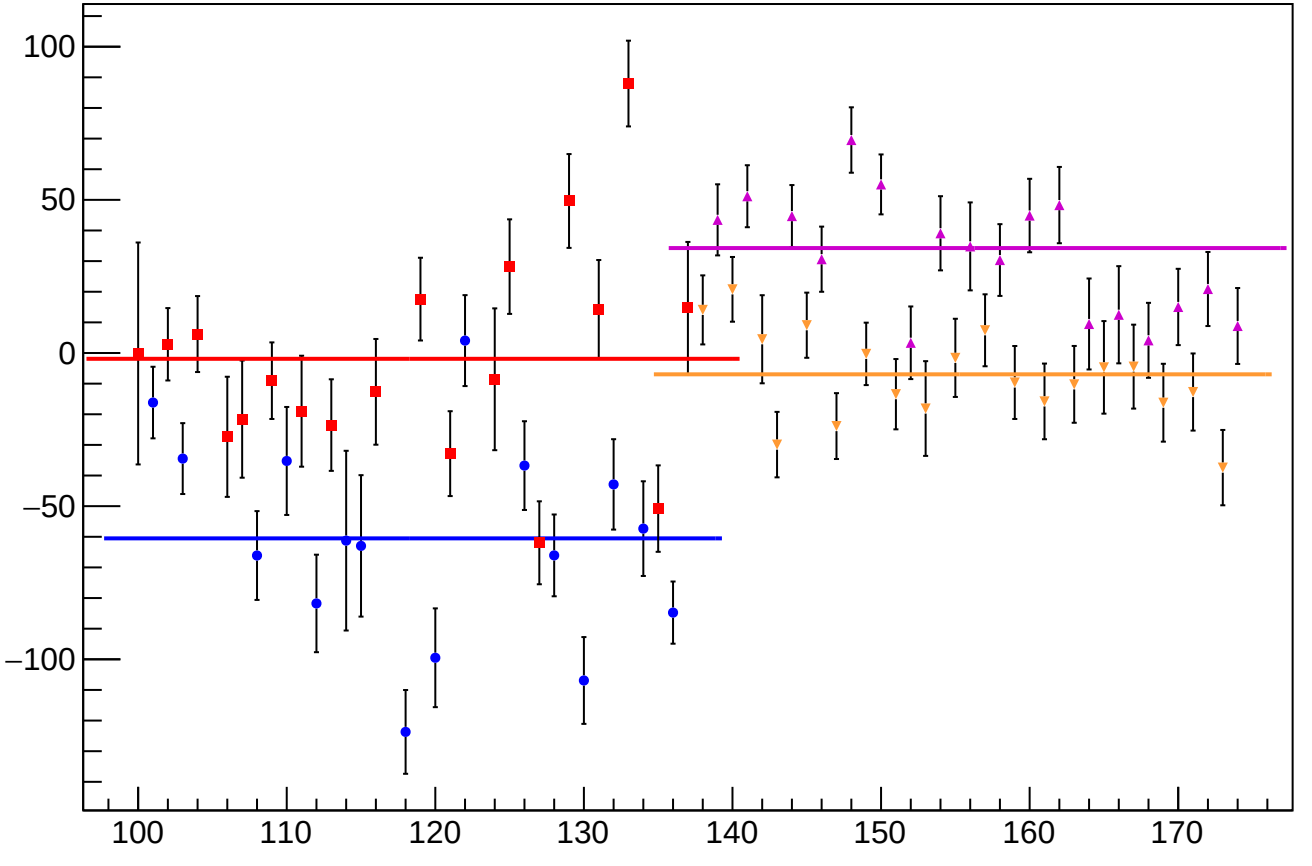
Right: 1449.398+/-0.269 χ^2/NDF: 323286.5/34

In: 1709.736+/-0.265 χ^2/NDF:2451849.7/33

Out: 1691.374+/-0.260 χ^2/NDF:2458732.0/37

All: 1700.360+/-0.185 χ^2/NDF: 4913031.2/71

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -60.516+/-3.596 χ^2/NDF: 90.3/15

Left Out: -6.960+/-2.758 χ^2/NDF:30.9/18

Right Out: -1.894+/-3.543 χ^2/NDF: 103.8/18

Left In: 34.261+/-2.779 χ^2/NDF:47.7/17

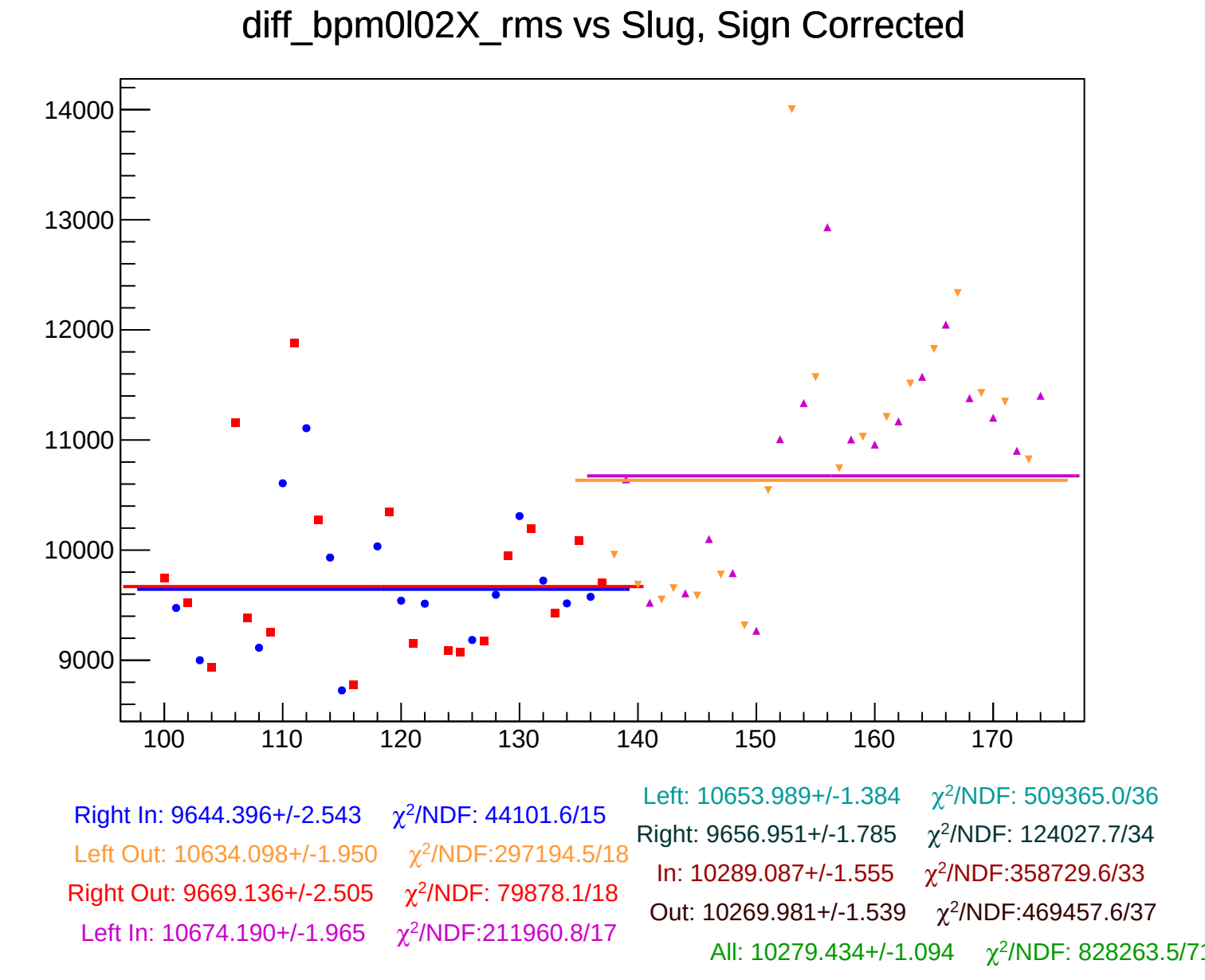
Left: 13.491+/-1.958 χ^2/NDF: 189.4/36

Right: -30.766+/-2.524 χ^2/NDF: 329.0/34

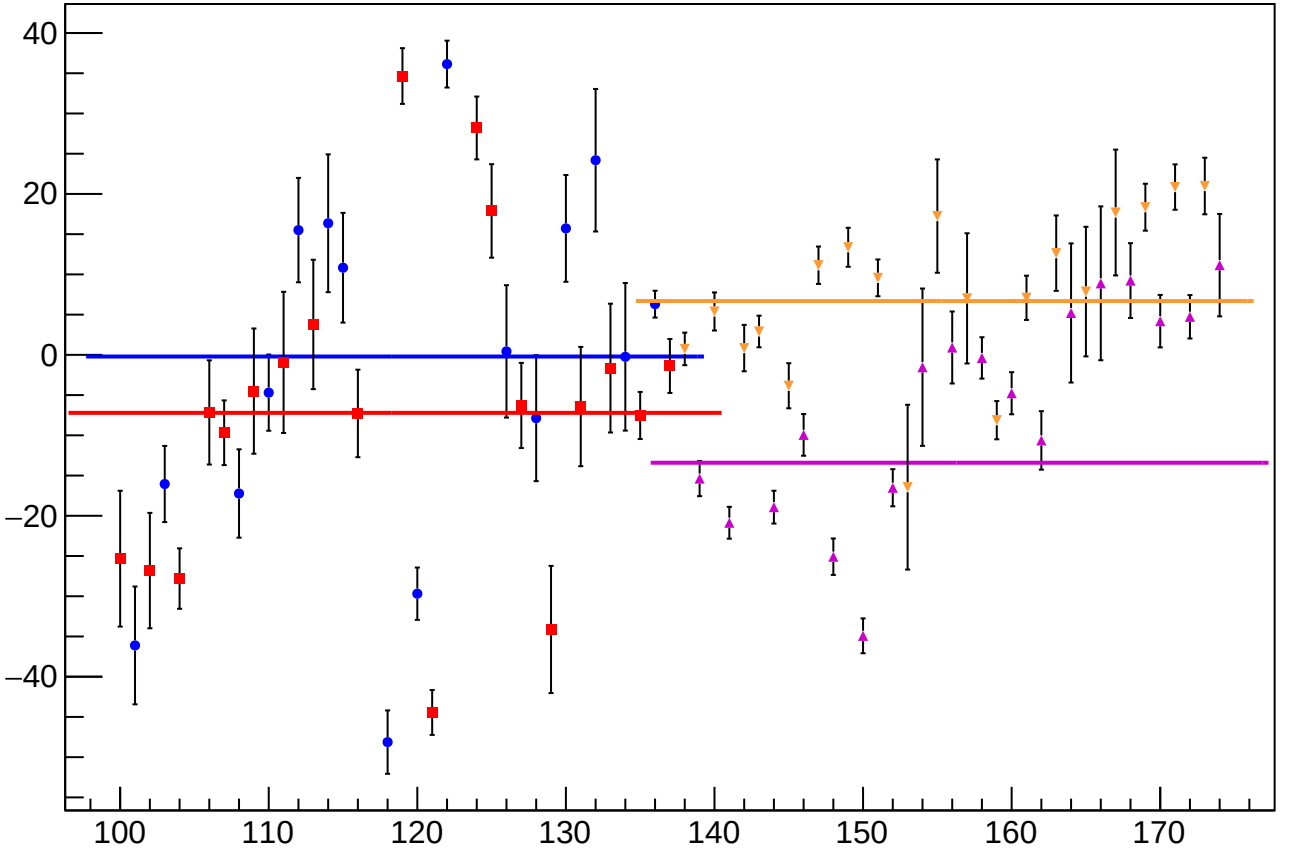
In: -1.182+/-2.199 χ^2/NDF:572.9/33

Out: -5.048+/-2.176 χ^2/NDF:136.0/37

All: -3.135+/-1.547 χ^2/NDF: 710.4/71


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: 10634.098+/-1.950 χ²/NDF:297194.5/18
Right Out: 9669.136+/-2.505 χ²/NDF: 79878.1/18
Left In: 10674.190+/-1.965 χ²/NDF:211960.8/17
Left: 10653.989+/-1.384 χ²/NDF: 509365.0/36
Right: 9656.951+/-1.785 χ²/NDF: 124027.7/34
In: 10289.087+/-1.555 χ²/NDF:358729.6/33
Out: 10269.981+/-1.539 χ²/NDF:469457.6/37
All: 10279.434+/-1.094 χ²/NDF: 828263.5/71

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: -0.206+/-1.045 χ^2/NDF: 473.7/15

Left Out: 6.692+/-0.669 χ^2/NDF:151.3/18

Right Out: -7.206+/-1.074 χ^2/NDF: 485.6/18

Left In: -13.406+/-0.673 χ^2/NDF:323.1/17

Left: -3.305+/-0.474 χ^2/NDF: 922.9/36

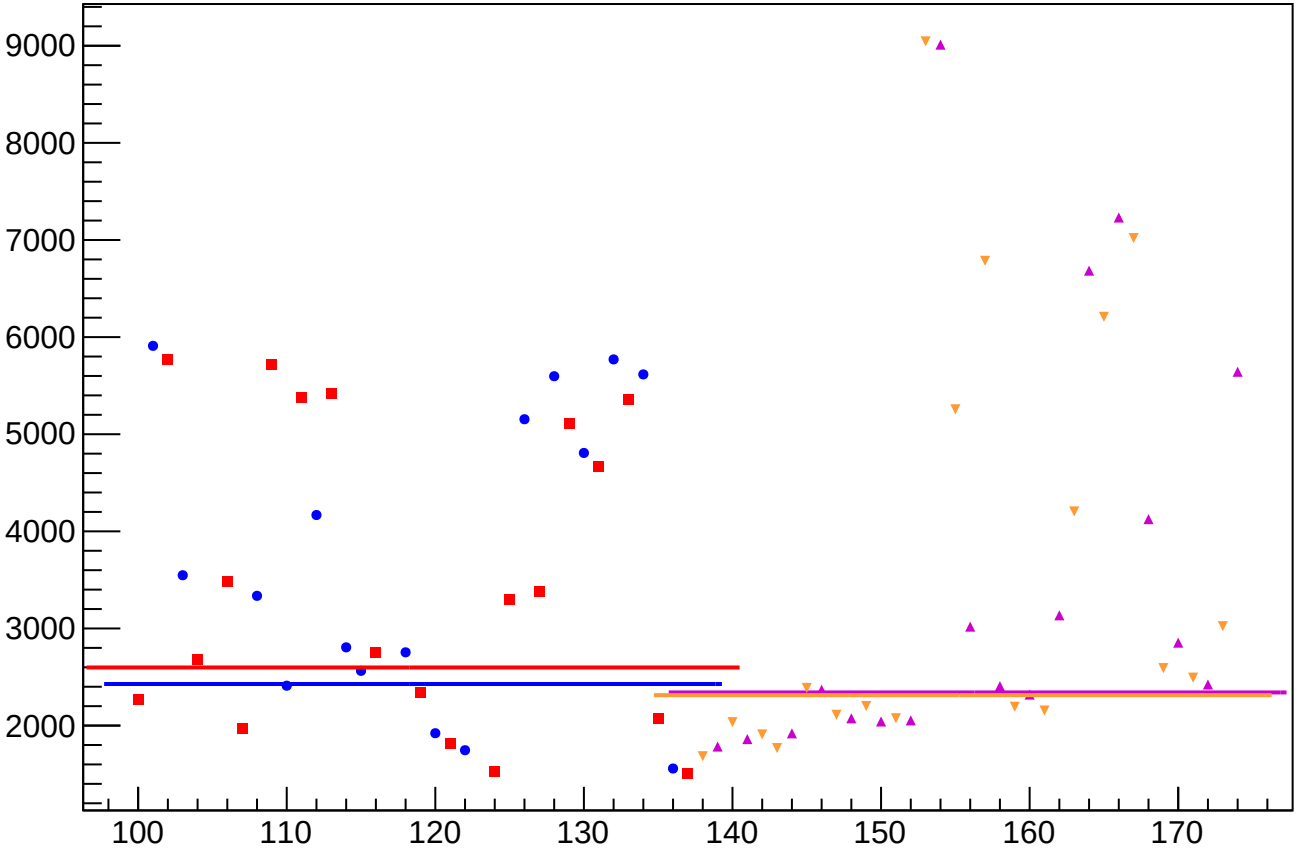
Right: -3.613+/-0.749 χ^2/NDF: 981.2/34

In: -9.540+/-0.566 χ^2/NDF:909.5/33

Out: 2.802+/-0.568 χ^2/NDF:757.6/37

All: -3.393+/-0.401 χ^2/NDF: 1904.2/71

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2428.080+/-0.739 χ^2/NDF: 2815335.2/15

Left Out: 2313.239+/-0.473 χ^2/NDF:3918643.9/18

Right Out: 2598.321+/-0.759 χ^2/NDF: 2514932.7/18

Left In: 2341.225+/-0.476 χ^2/NDF:3415803.2/17

Left: 2327.160+/-0.336 χ^2/NDF: 7336186.5/36

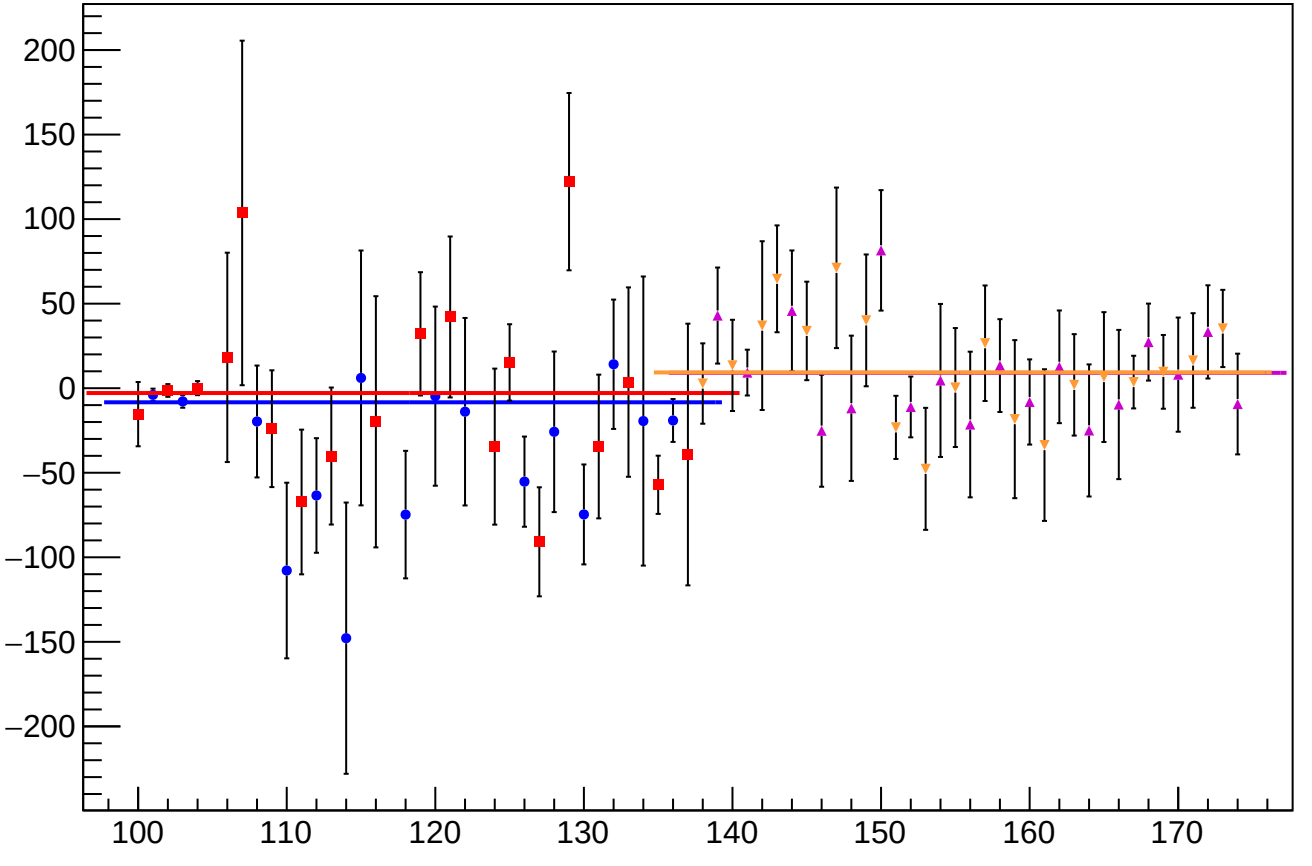
Right: 2510.930+/-0.530 χ^2/NDF: 5356082.2/34

In: 2366.664+/-0.400 χ^2/NDF:6240901.2/33

Out: 2393.025+/-0.402 χ^2/NDF:6535125.7/37

All: 2379.792+/-0.283 χ^2/NDF: 12778189.5/7

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -8.332+/-2.499 χ^2/NDF: 23.4/15

Left Out: 9.326+/-6.416 χ^2/NDF:15.2/18

Right Out: -2.848+/-2.640 χ^2/NDF: 32.6/18

Left In: 9.083+/-6.447 χ^2/NDF:12.9/17

Left: 9.205+/-4.548 χ^2/NDF: 28.1/36

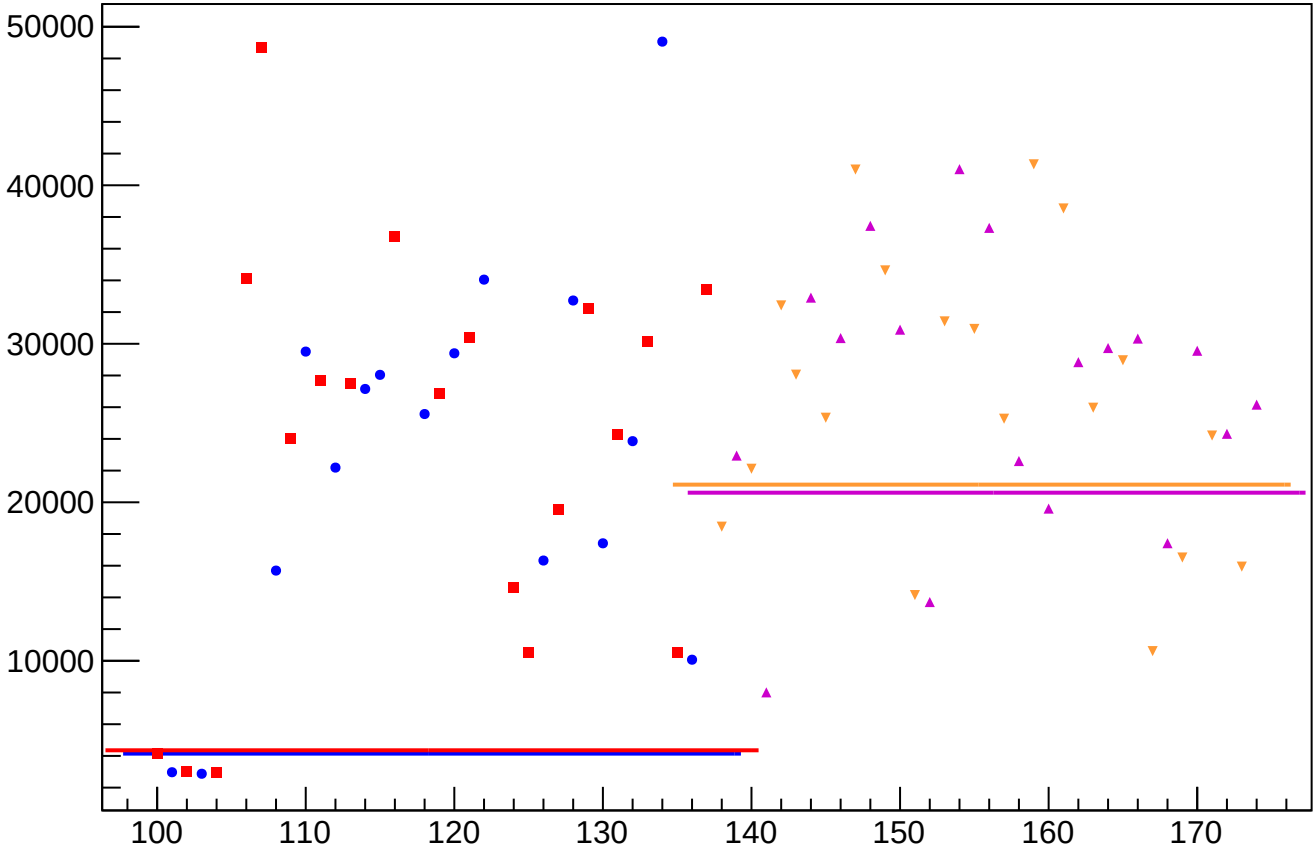
Right: -5.740+/-1.815 χ^2/NDF: 58.3/34

In: -6.057+/-2.330 χ^2/NDF:42.7/33

Out: -1.086+/-2.441 χ^2/NDF:50.9/37

All: -3.687+/-1.686 χ^2/NDF: 95.7/71

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 4145.795+/-1.767 χ^2/NDF: 6836950.5/15

Left Out: 21114.758+/-4.537 χ^2/NDF:3424131.2/18

Right Out: 4354.437+/-1.866 χ^2/NDF: 7624762.5/18

Left In: 20606.143+/-4.559 χ^2/NDF:4257336.8/17

Left: 20861.687+/-3.216 χ^2/NDF: 7687722.2/36

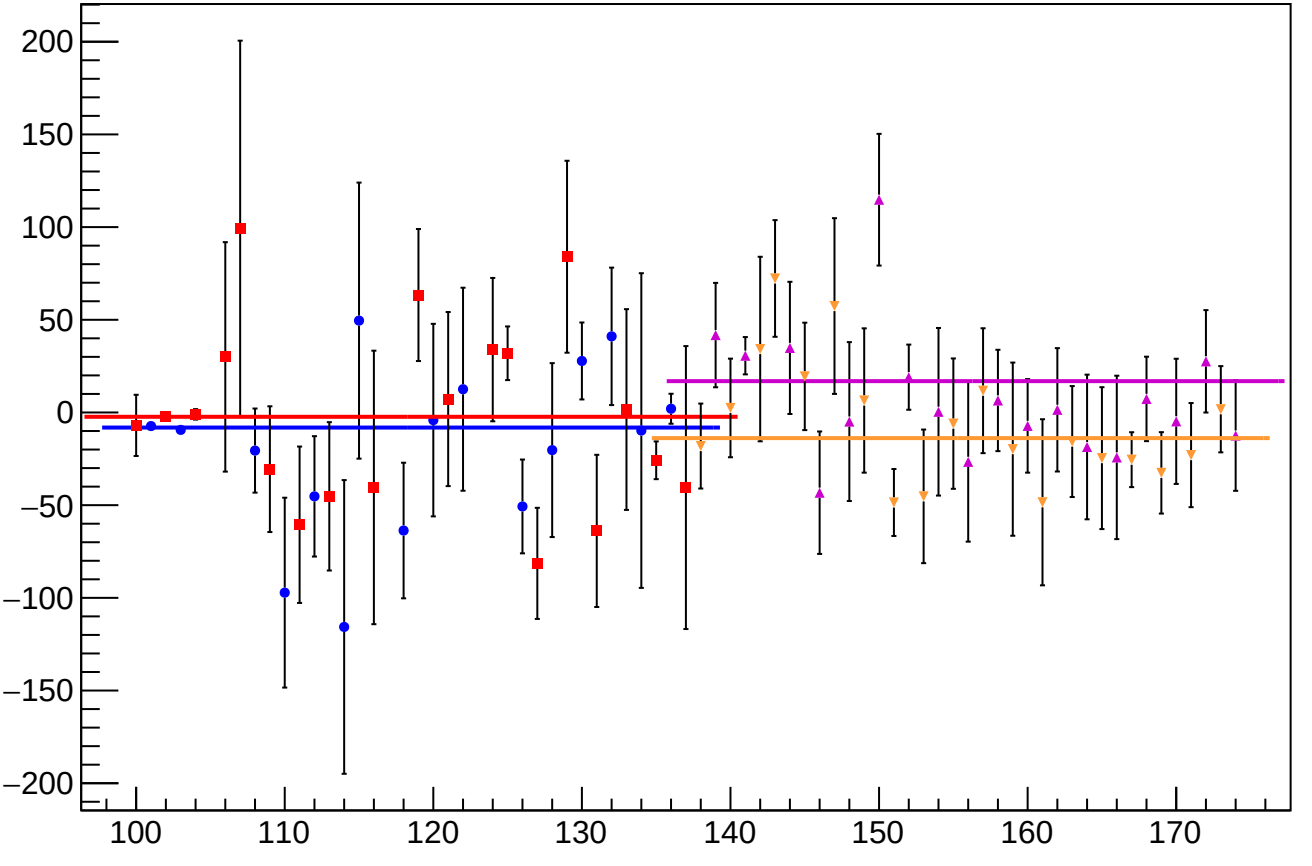
Right: 4244.429+/-1.283 χ^2/NDF: 14468301.6/34

In: 6296.484+/-1.648 χ^2/NDF:22428327.0/33

Out: 6780.726+/-1.726 χ^2/NDF:22722107.0/37

All: 6527.380+/-1.192 χ^2/NDF: 45191611.0/7

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -8.132+/-1.720 χ^2/NDF: 19.1/15

Left Out: -13.826+/-6.317 χ^2/NDF:20.4/18

Right Out: -2.325+/-1.822 χ^2/NDF: 33.1/18

Left In: 16.903+/-5.906 χ^2/NDF:19.9/17

Left: 2.570+/-4.314 χ^2/NDF: 52.9/36

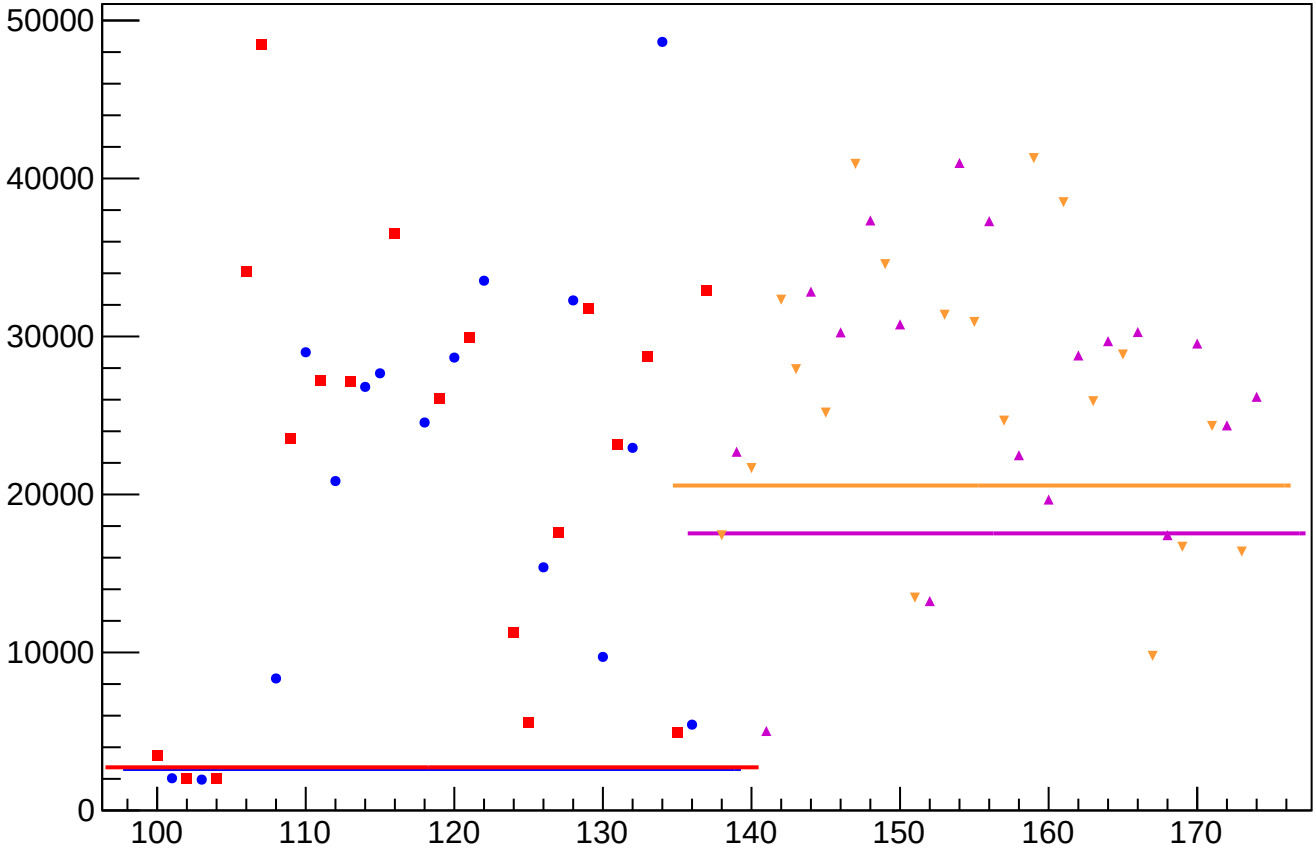
Right: -5.394+/-1.251 χ^2/NDF: 57.5/34

In: -6.175+/-1.652 χ^2/NDF:55.6/33

Out: -3.208+/-1.750 χ^2/NDF:56.5/37

All: -4.777+/-1.201 χ^2/NDF: 113.6/71

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2626.430+/-1.216 χ^2/NDF: 6780884.6/15

Left Out: 20566.827+/-4.467 χ^2/NDF:3728062.4/18

Right Out: 2730.235+/-1.288 χ^2/NDF: 7985984.4/18

Left In: 17537.192+/-4.177 χ^2/NDF:6818323.7/17

Left: 18950.320+/-3.051 χ^2/NDF: 10791825.1/36

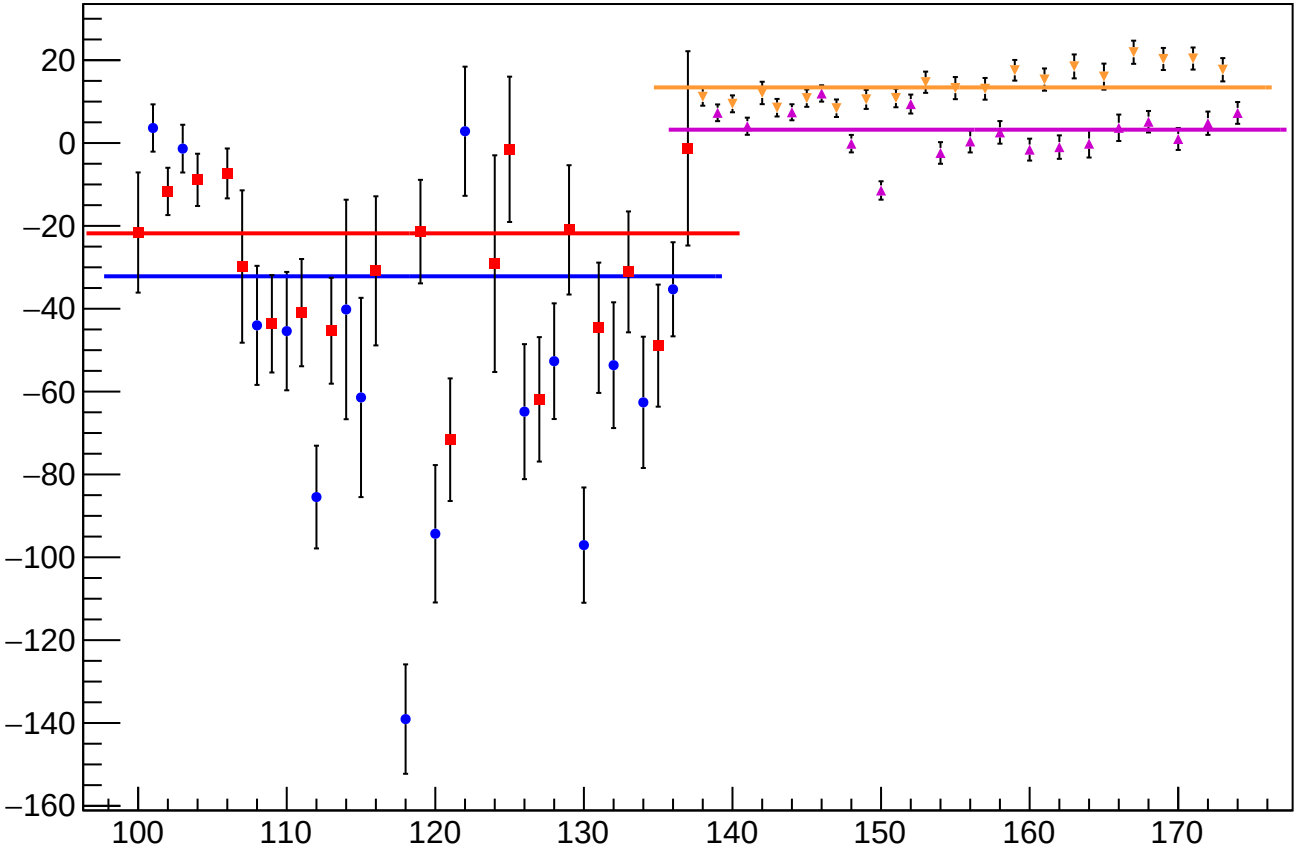
Right: 2675.367+/-0.884 χ^2/NDF: 14770301.6/34

In: 3792.516+/-1.168 χ^2/NDF:25348354.2/33

Out: 4099.547+/-1.238 χ^2/NDF:26434114.8/37

All: 3937.141+/-0.849 χ^2/NDF: 51815020.4/7

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -32.171+/-2.842 χ^2/NDF: 207.8/15

Left Out: 13.429+/-0.563 χ^2/NDF:52.8/18

Right Out: -21.801+/-2.557 χ^2/NDF: 49.1/18

Left In: 3.221+/-0.572 χ^2/NDF:98.5/17

Left: 8.399+/-0.401 χ^2/NDF: 313.1/36

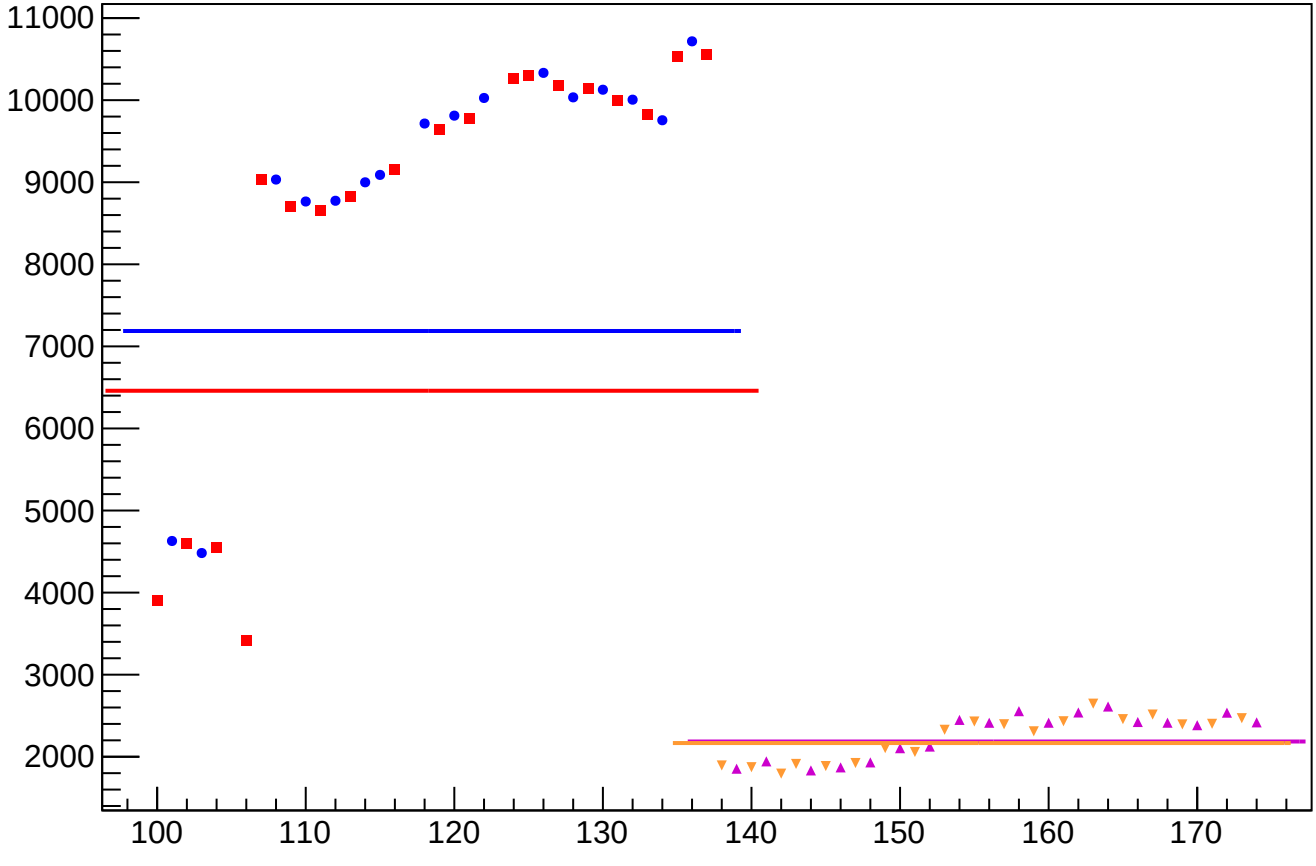
Right: -26.441+/-1.901 χ^2/NDF: 264.2/34

In: 1.845+/-0.560 χ^2/NDF:455.3/33

Out: 11.799+/-0.550 χ^2/NDF:282.9/37

All: 6.913+/-0.393 χ^2/NDF: 898.9/71

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 7187.494+/-2.009 χ^2/NDF: 1705887.0/15

Left Out: 2166.968+/-0.398 χ^2/NDF:434642.1/18

Right Out: 6459.323+/-1.808 χ^2/NDF: 2276337.9/18

Left In: 2185.736+/-0.404 χ^2/NDF:467355.5/17

Left: 2176.216+/-0.284 χ^2/NDF: 903091.6/36

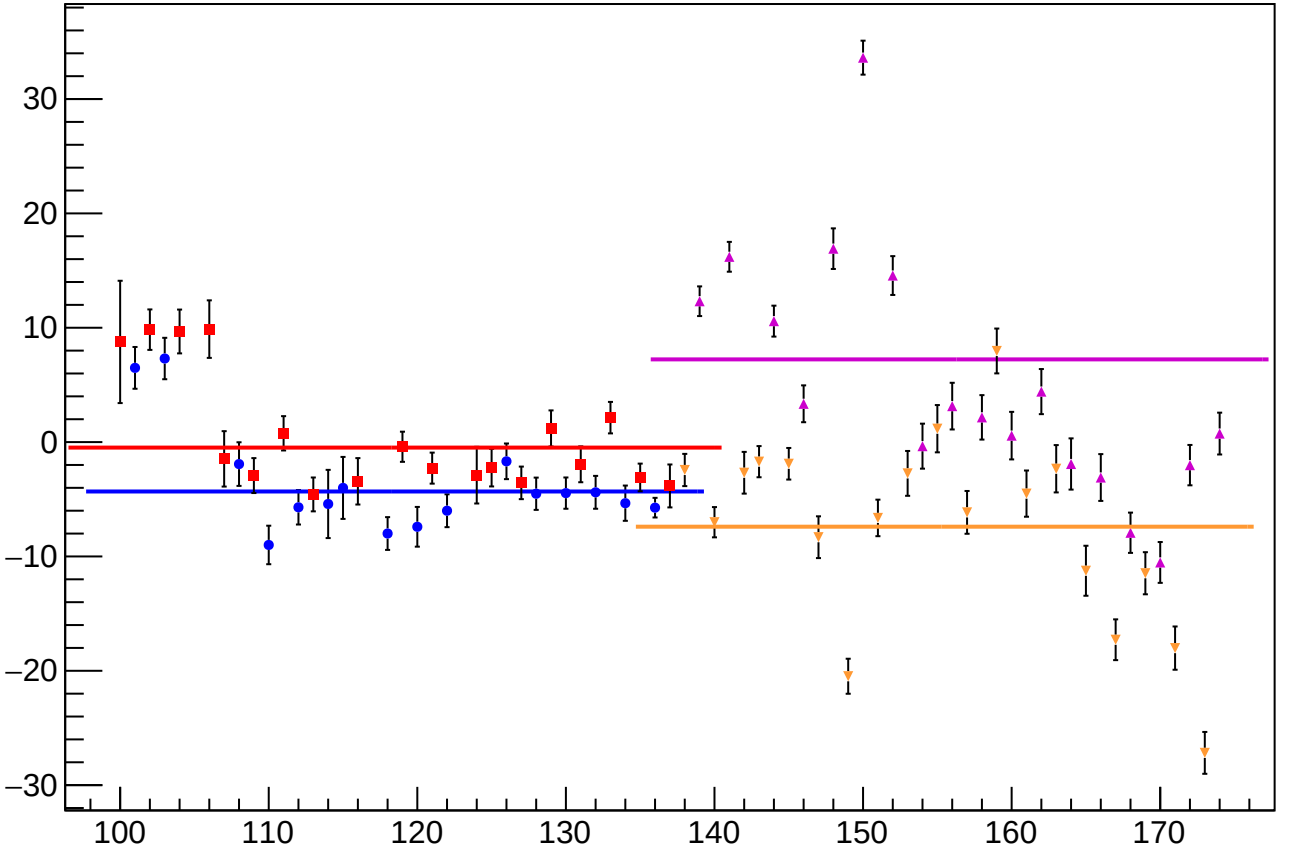
Right: 6785.150+/-1.344 χ^2/NDF: 4054781.5/34

In: 2380.192+/-0.396 χ^2/NDF:8128076.1/33

Out: 2365.588+/-0.389 χ^2/NDF:8084670.7/37

All: 2372.756+/-0.278 χ^2/NDF: 16213438.6/7

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -4.319+/-0.380 χ^2/NDF: 103.7/15

Left Out: -7.398+/-0.393 χ^2/NDF:405.6/18

Right Out: -0.481+/-0.379 χ^2/NDF: 117.2/18

Left In: 7.233+/-0.402 χ^2/NDF:731.7/17

Left: -0.253+/-0.281 χ^2/NDF: 1813.7/36

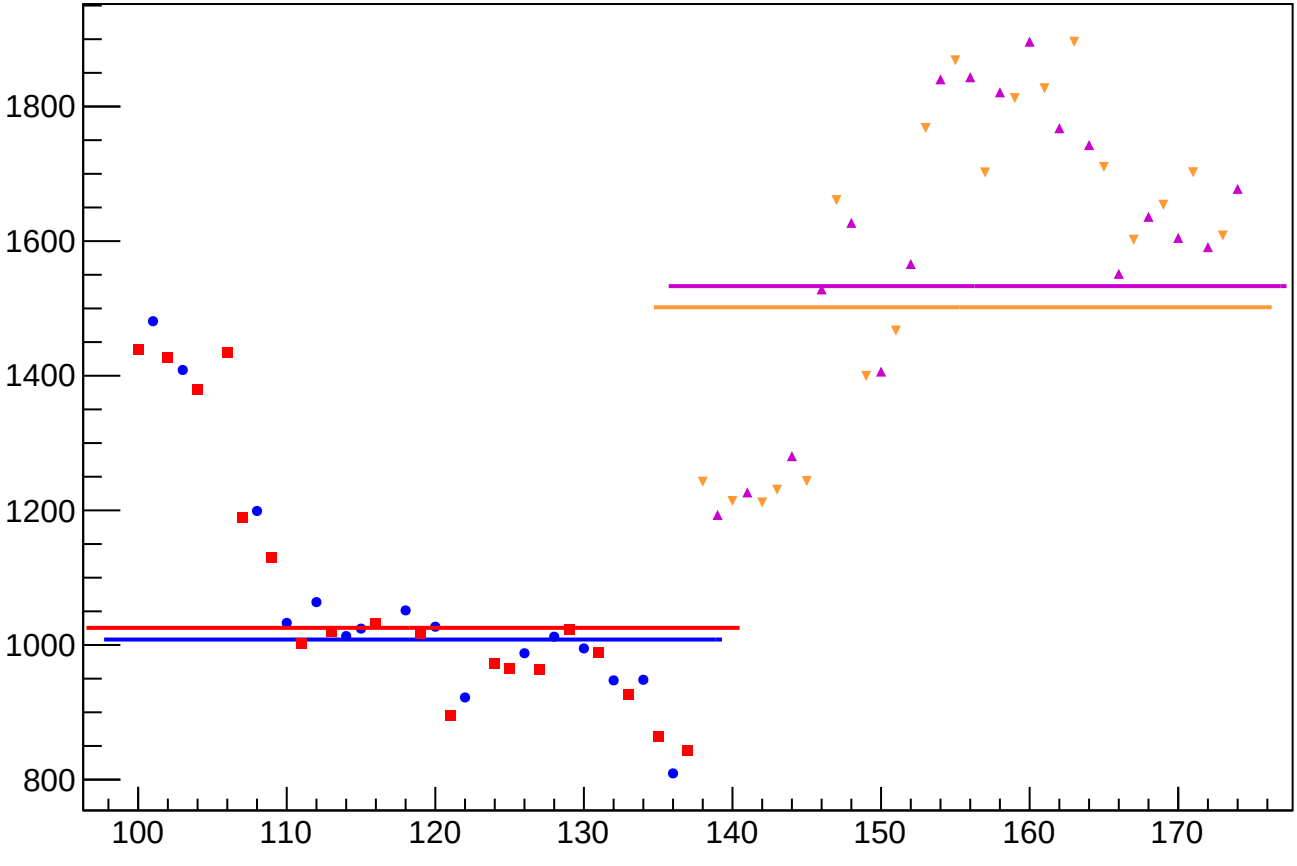
Right: -2.394+/-0.268 χ^2/NDF: 272.1/34

In: 1.122+/-0.276 χ^2/NDF:1271.3/33

Out: -3.809+/-0.273 χ^2/NDF:683.4/37

All: -1.375+/-0.194 χ^2/NDF: 2116.1/71

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1008.116+/-0.269 χ^2/NDF: 378836.2/15

Left Out: 1501.762+/-0.278 χ^2/NDF:751573.9/18

Right Out: 1025.486+/-0.268 χ^2/NDF: 345991.2/18

Left In: 1533.150+/-0.285 χ^2/NDF:608948.8/17

Left: 1517.091+/-0.199 χ^2/NDF: 1366748.2/36

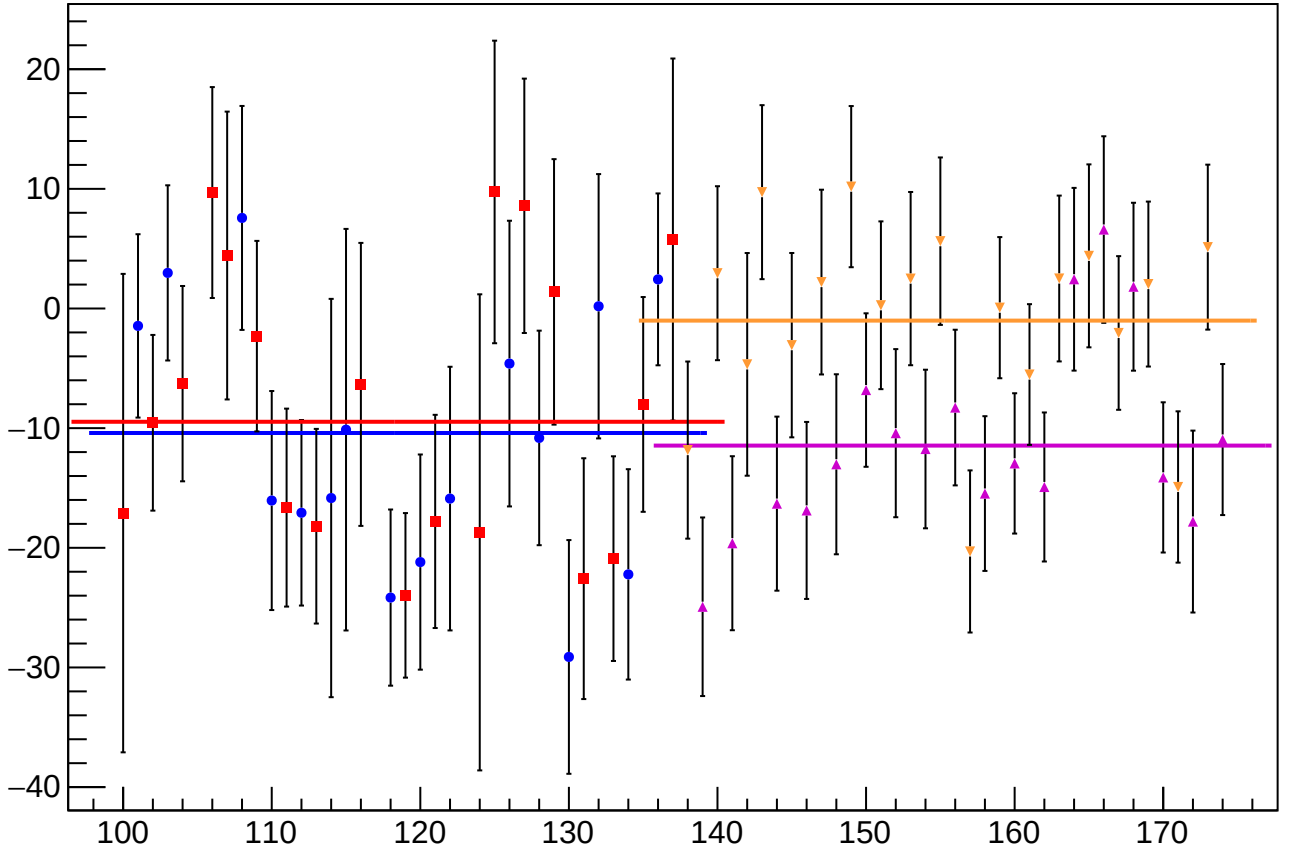
Right: 1016.826+/-0.190 χ^2/NDF: 726925.8/34

In: 1255.433+/-0.195 χ^2/NDF:2788699.5/33

Out: 1254.681+/-0.193 χ^2/NDF:2620227.6/37

All: 1255.052+/-0.137 χ^2/NDF: 5408934.6/71

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: -10.404+/-2.280 χ^2/NDF: 24.6/15

Left Out: -1.012+/-1.597 χ^2/NDF:24.3/18

Right Out: -9.467+/-2.191 χ^2/NDF: 25.4/18

Left In: -11.458+/-1.615 χ^2/NDF:20.2/17

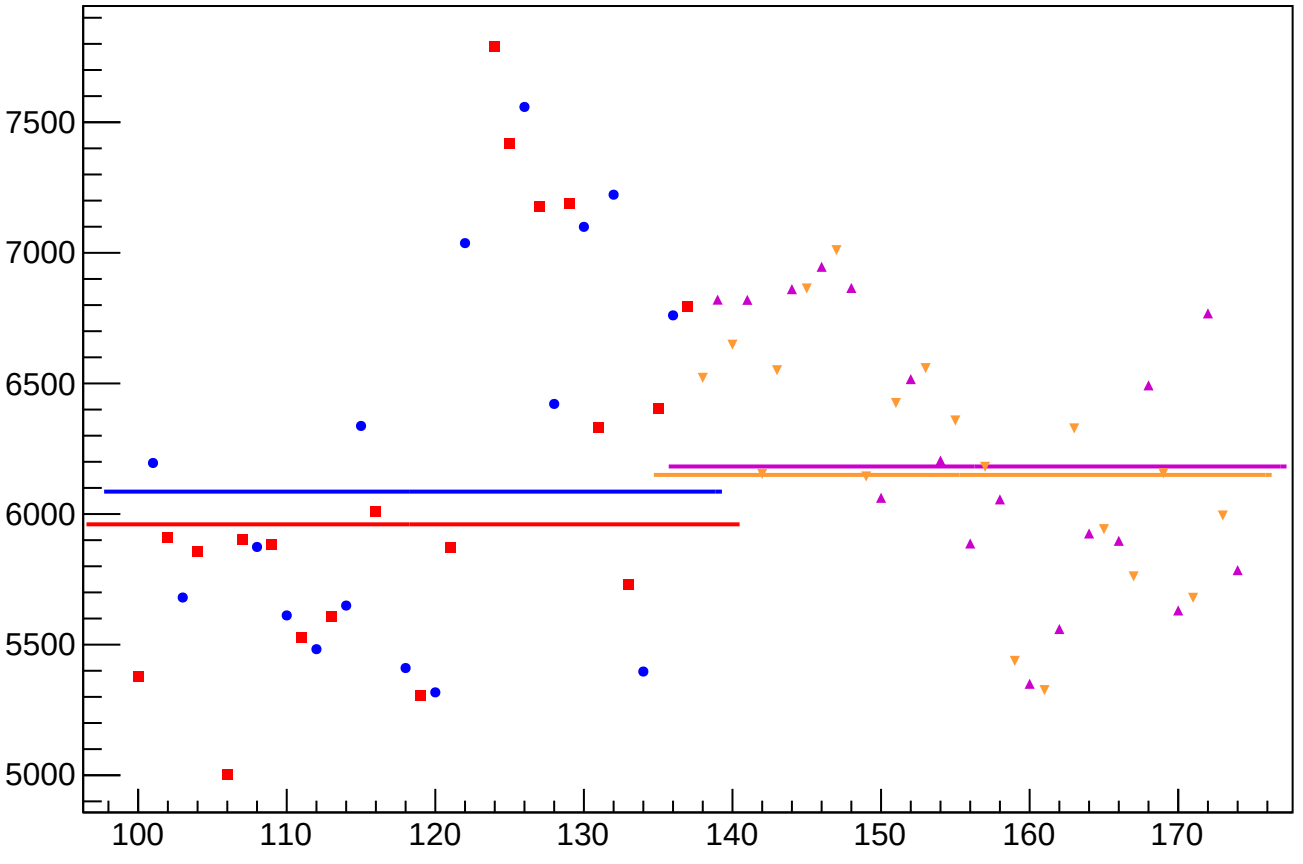
Left: -6.176+/-1.136 χ^2/NDF: 65.7/36

Right: -9.917+/-1.580 χ^2/NDF: 50.1/34

In: -11.105+/-1.318 χ^2/NDF:45.0/33

Out: -3.947+/-1.291 χ^2/NDF:59.4/37

All: -7.451+/-0.922 χ^2/NDF: 119.4/71



Right In: 6085.873+/-1.612 χ^2/NDF: 179118.8/15

Left Out: 6149.865+/-1.130 χ^2/NDF:164409.9/18

Right Out: 5960.613+/-1.549 χ^2/NDF: 162772.6/18

Left In: 6182.125+/-1.142 χ^2/NDF:199777.3/17

Left: 6165.814+/-0.803 χ^2/NDF: 364590.4/36

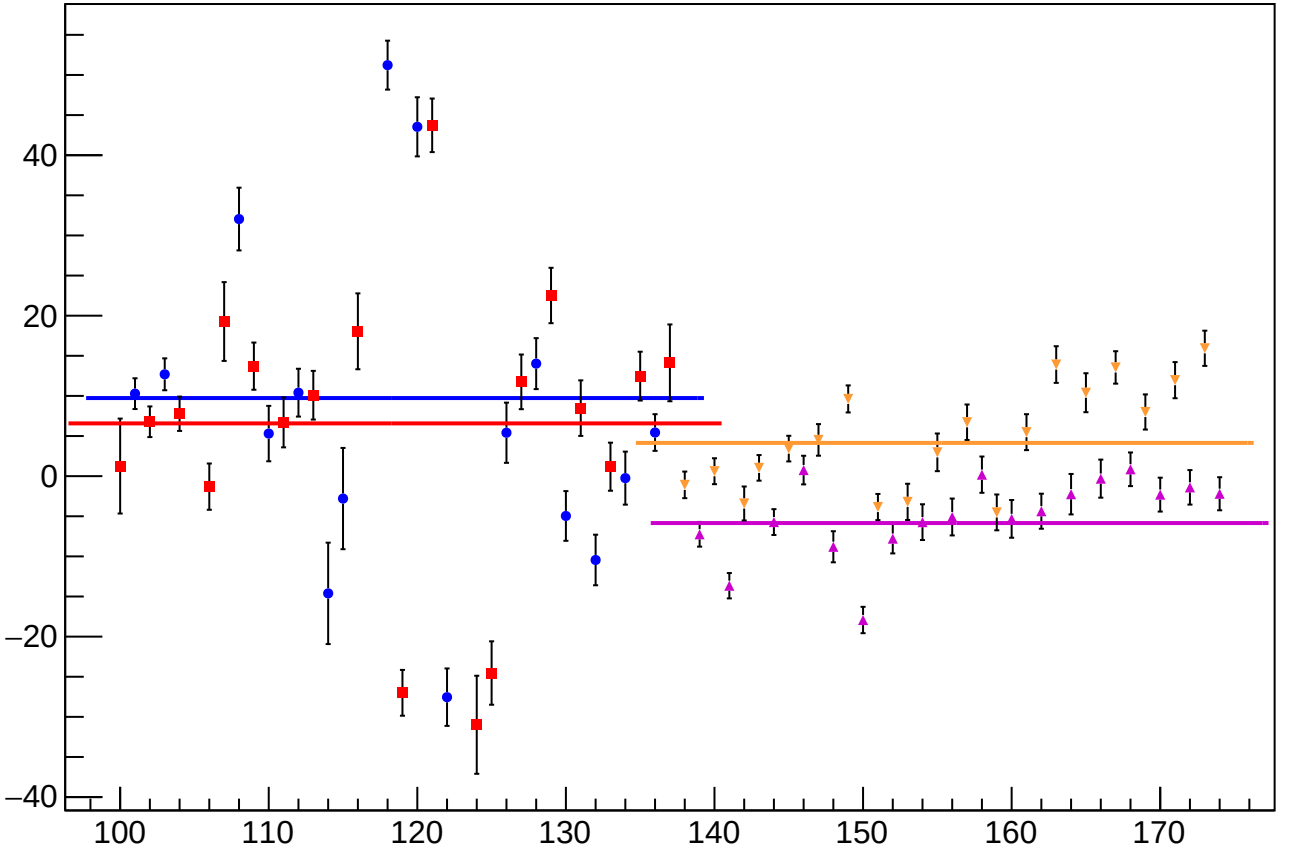
Right: 6020.747+/-1.117 χ^2/NDF: 345029.9/34

In: 6149.955+/-0.932 χ^2/NDF:381269.1/33

Out: 6084.176+/-0.913 χ^2/NDF:336926.0/37

All: 6116.376+/-0.652 χ^2/NDF: 720737.6/71

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 9.733+/-0.755 χ^2/NDF: 512.4/15

Left Out: 4.144+/-0.450 χ^2/NDF:184.3/18

Right Out: 6.576+/-0.730 χ^2/NDF: 423.8/18

Left In: -5.845+/-0.463 χ^2/NDF:132.2/17

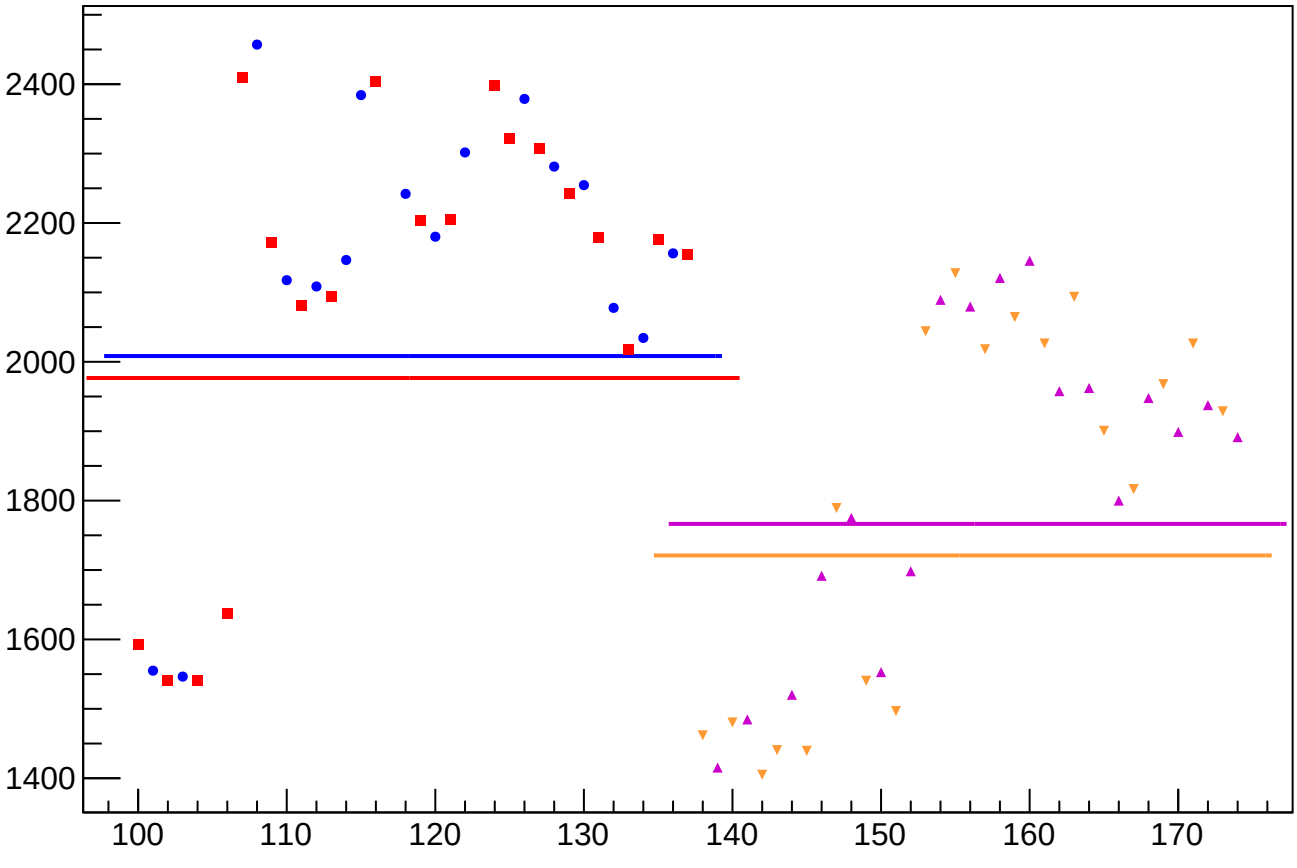
Left: -0.709+/-0.323 χ^2/NDF: 556.1/36

Right: 8.102+/-0.525 χ^2/NDF: 945.2/34

In: -1.591+/-0.395 χ^2/NDF:954.0/33

Out: 4.813+/-0.383 χ^2/NDF:616.1/37

All: 1.706+/-0.275 χ^2/NDF: 1705.8/71



Right In: 2008.296+/-0.534 χ^2/NDF: 344387.2/15

Left Out: 1721.004+/-0.318 χ^2/NDF:695314.7/18

Right Out: 1976.677+/-0.516 χ^2/NDF: 365375.1/18

Left In: 1766.449+/-0.327 χ^2/NDF:505568.3/17

Left: 1743.082+/-0.228 χ^2/NDF: 1210801.6/36

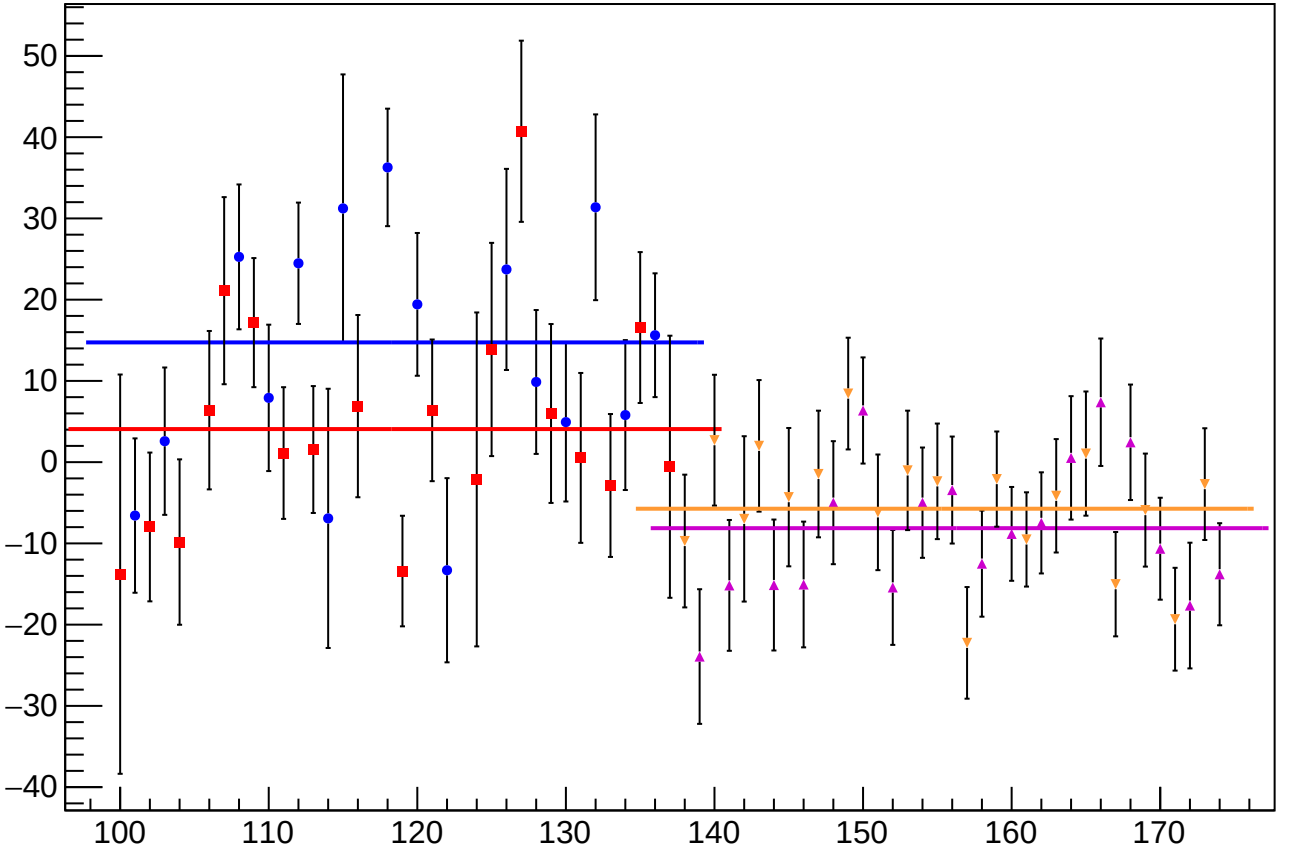
Right: 1991.963+/-0.371 χ^2/NDF: 711574.8/34

In: 1832.498+/-0.279 χ^2/NDF:999159.3/33

Out: 1791.314+/-0.271 χ^2/NDF:1238394.8/37

All: 1811.295+/-0.194 χ^2/NDF: 2248774.2/71

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 14.739+/-2.358 χ^2/NDF: 33.5/15

Left Out: -5.732+/-1.636 χ^2/NDF:21.8/18

Right Out: 4.072+/-2.274 χ^2/NDF: 30.2/18

Left In: -8.127+/-1.649 χ^2/NDF:23.2/17

Left: -6.920+/-1.161 χ^2/NDF: 46.1/36

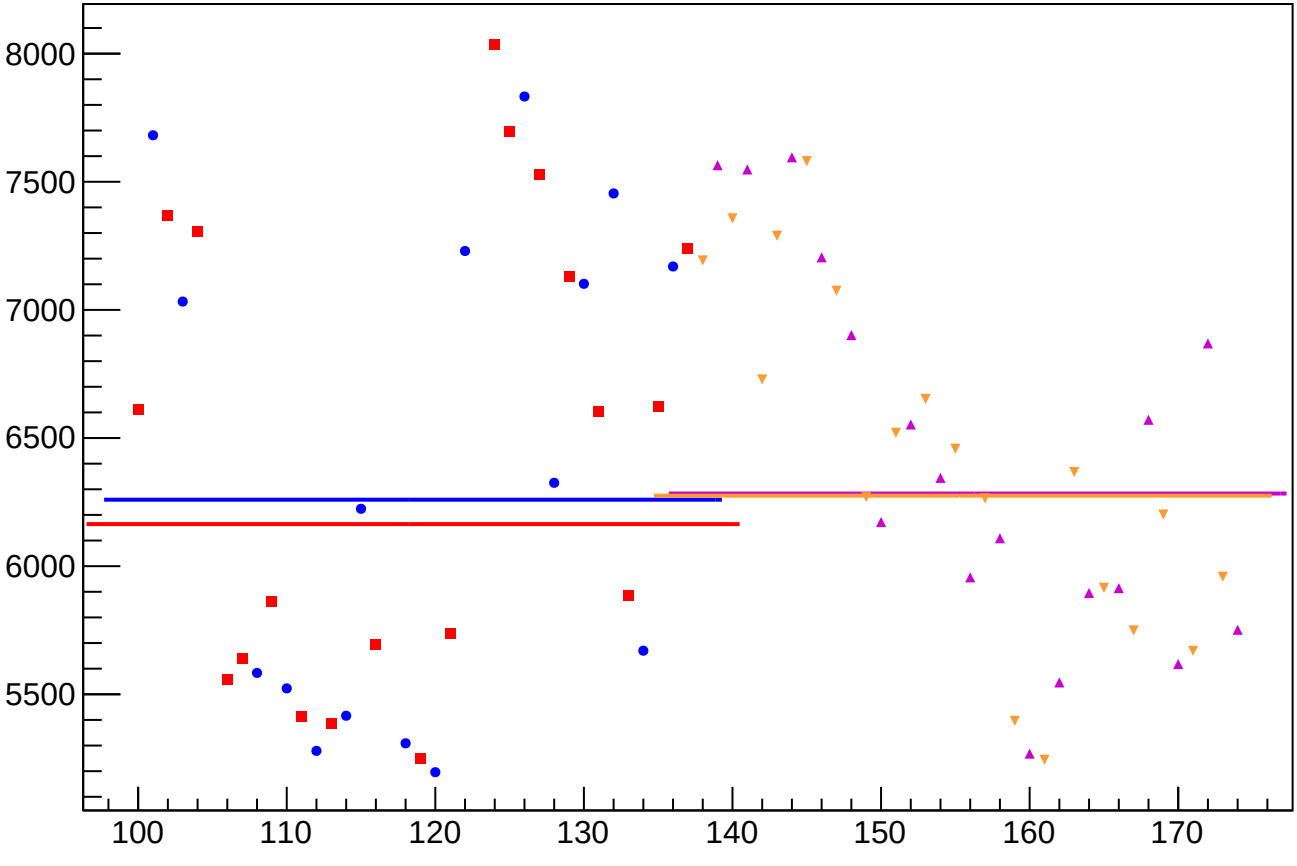
Right: 9.212+/-1.637 χ^2/NDF: 74.3/34

In: -0.616+/-1.351 χ^2/NDF:119.9/33

Out: -2.387+/-1.328 χ^2/NDF:64.2/37

All: -1.517+/-0.947 χ^2/NDF: 185.0/71

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6259.416+/-1.667 χ^2/NDF: 308606.8/15

Left Out: 6275.135+/-1.157 χ^2/NDF:322896.0/18

Right Out: 6164.140+/-1.608 χ^2/NDF: 265058.6/18

Left In: 6283.378+/-1.166 χ^2/NDF:352906.6/17

Left: 6279.225+/-0.821 χ^2/NDF: 675827.8/36

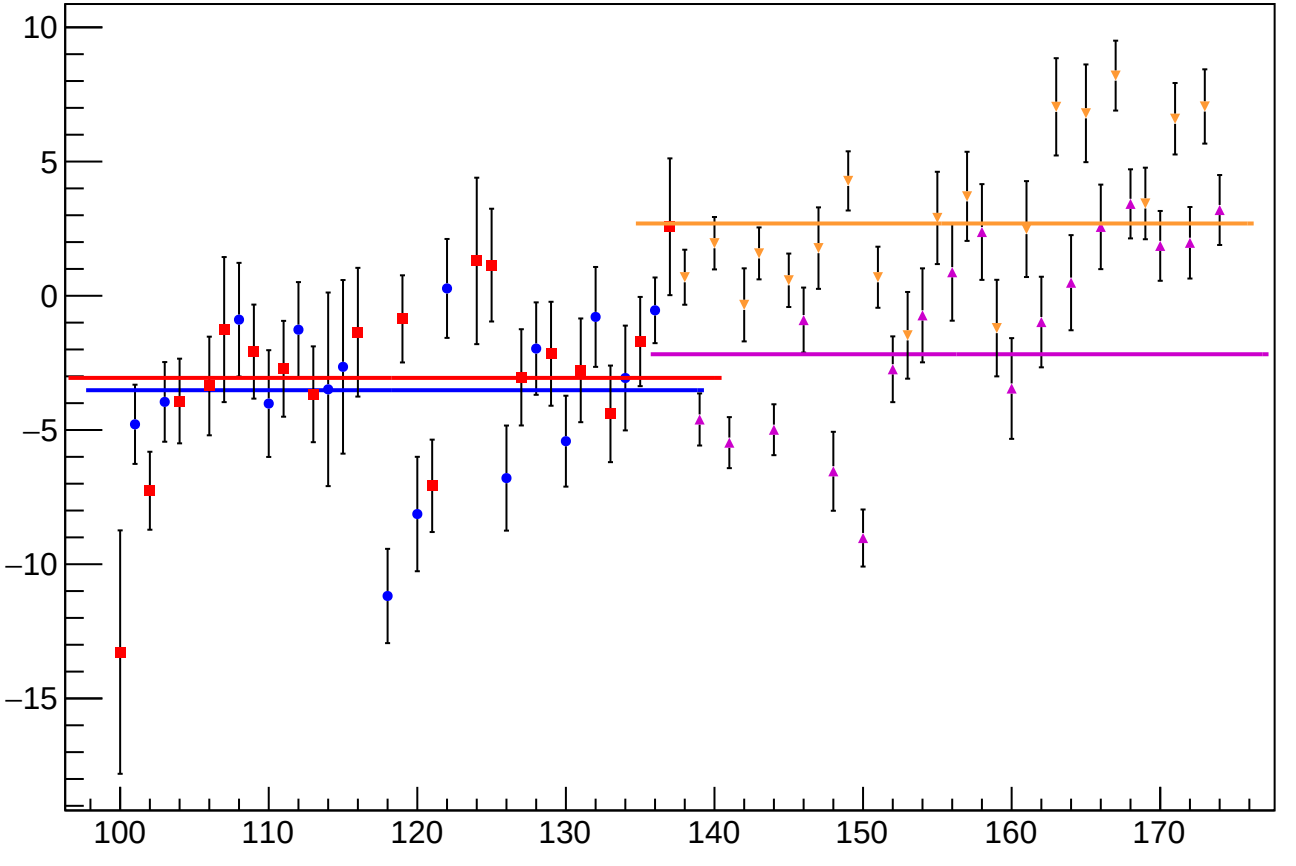
Right: 6210.053+/-1.157 χ^2/NDF: 575357.6/34

In: 6275.507+/-0.955 χ^2/NDF:661652.1/33

Out: 6237.263+/-0.939 χ^2/NDF:591094.4/37

All: 6256.056+/-0.670 χ^2/NDF: 1253561.4/71

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -3.518+/-0.452 χ^2/NDF: 45.1/15

Left Out: 2.693+/-0.299 χ^2/NDF:80.0/18

Right Out: -3.059+/-0.438 χ^2/NDF: 34.8/18

Left In: -2.178+/-0.307 χ^2/NDF:156.3/17

Left: 0.321+/-0.214 χ^2/NDF: 365.8/36

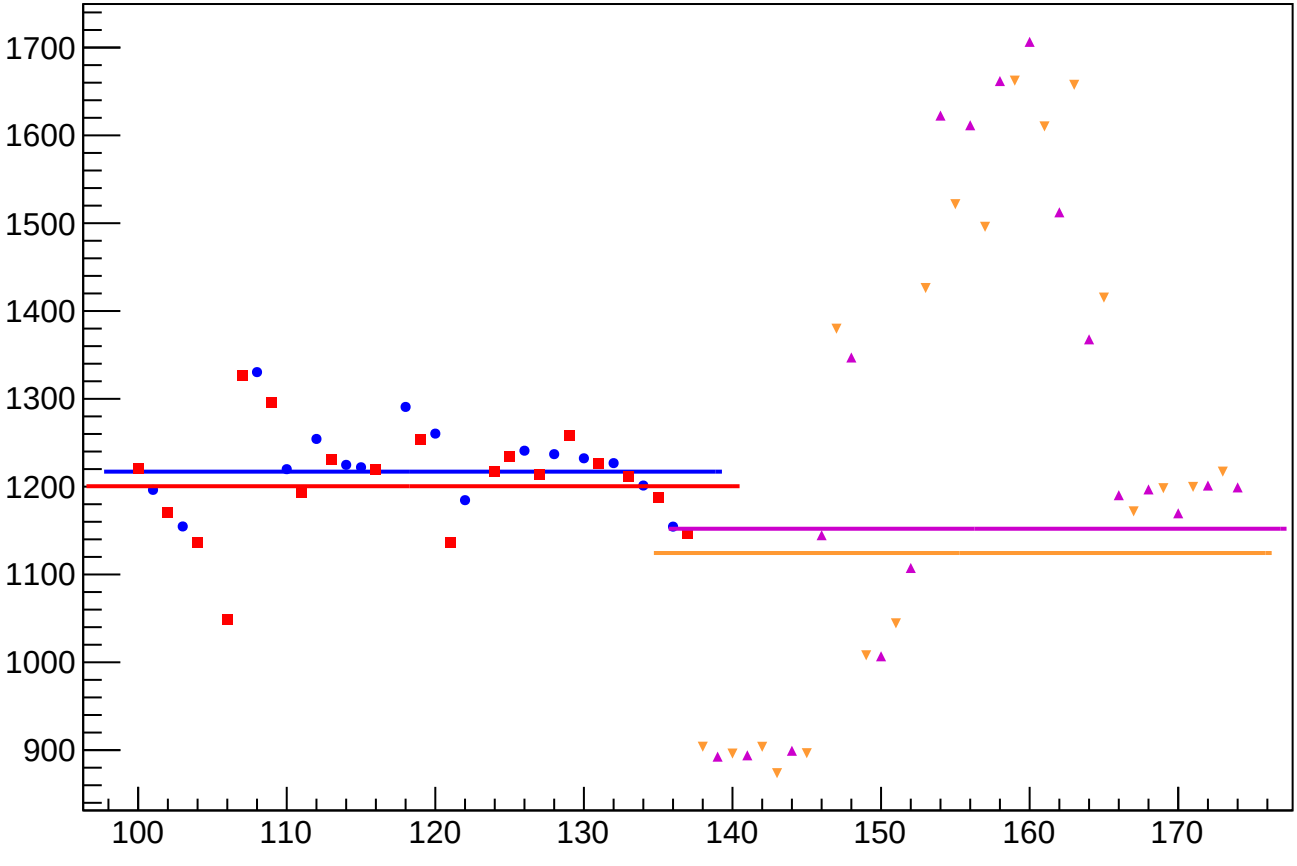
Right: -3.281+/-0.315 χ^2/NDF: 80.4/34

In: -2.600+/-0.254 χ^2/NDF:207.4/33

Out: 0.868+/-0.247 χ^2/NDF:232.4/37

All: -0.817+/-0.177 χ^2/NDF: 535.8/71

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1217.094+/-0.320 χ^2/NDF: 21686.7/15

Left Out: 1124.445+/-0.211 χ^2/NDF:1434672.1/18

Right Out: 1200.497+/-0.310 χ^2/NDF: 37654.3/18

Left In: 1152.078+/-0.217 χ^2/NDF:1249913.1/17

Left: 1137.899+/-0.151 χ^2/NDF: 2692914.4/36

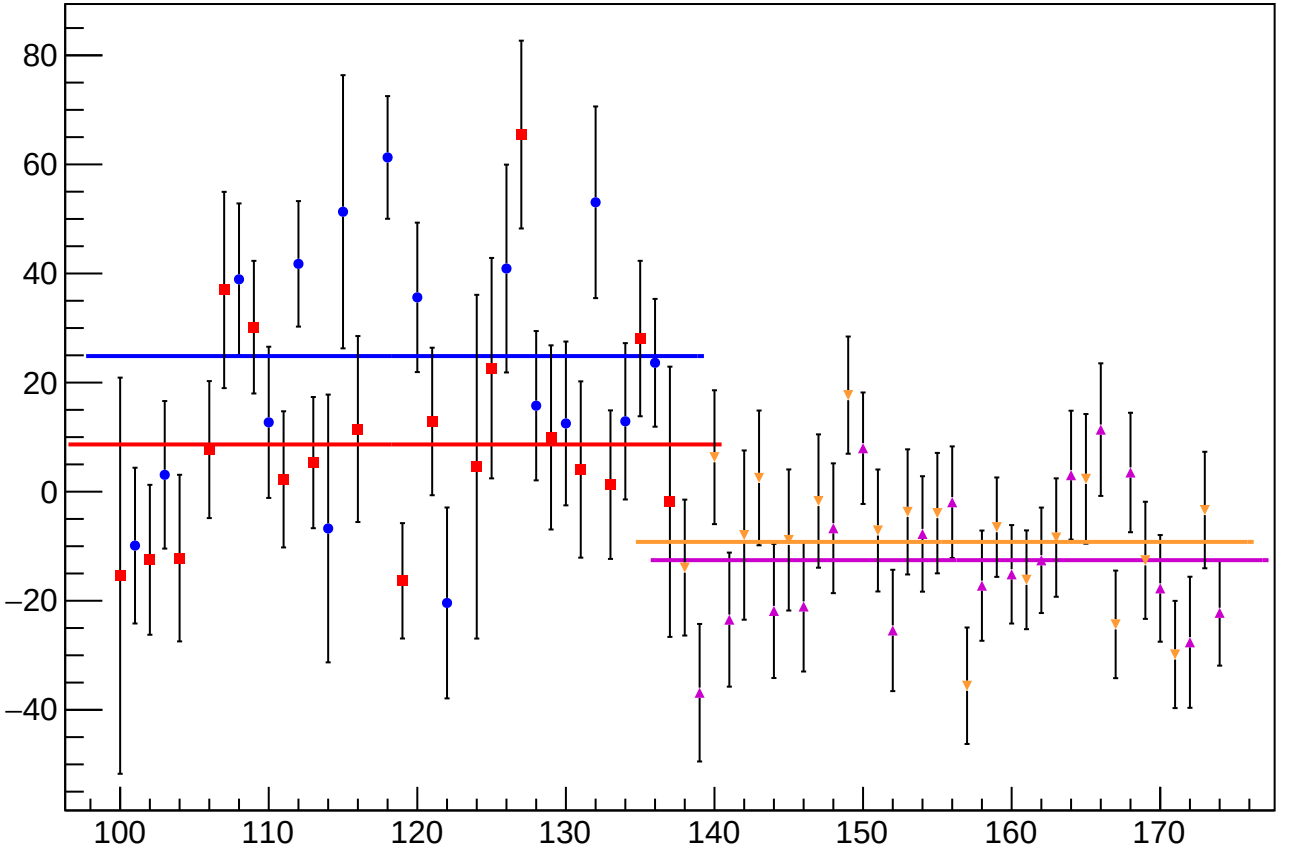
Right: 1208.533+/-0.223 χ^2/NDF: 60729.4/34

In: 1172.551+/-0.180 χ^2/NDF:1299898.3/33

Out: 1148.570+/-0.175 χ^2/NDF:1513432.2/37

All: 1160.226+/-0.125 χ^2/NDF: 2822502.7/71

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: 24.860+/-3.628 χ^2/NDF: 38.1/15

Left Out: -9.208+/-2.535 χ^2/NDF:24.7/18

Right Out: 8.658+/-3.454 χ^2/NDF: 30.1/18

Left In: -12.556+/-2.558 χ^2/NDF:23.4/17

Left: -10.867+/-1.801 χ^2/NDF: 48.9/36

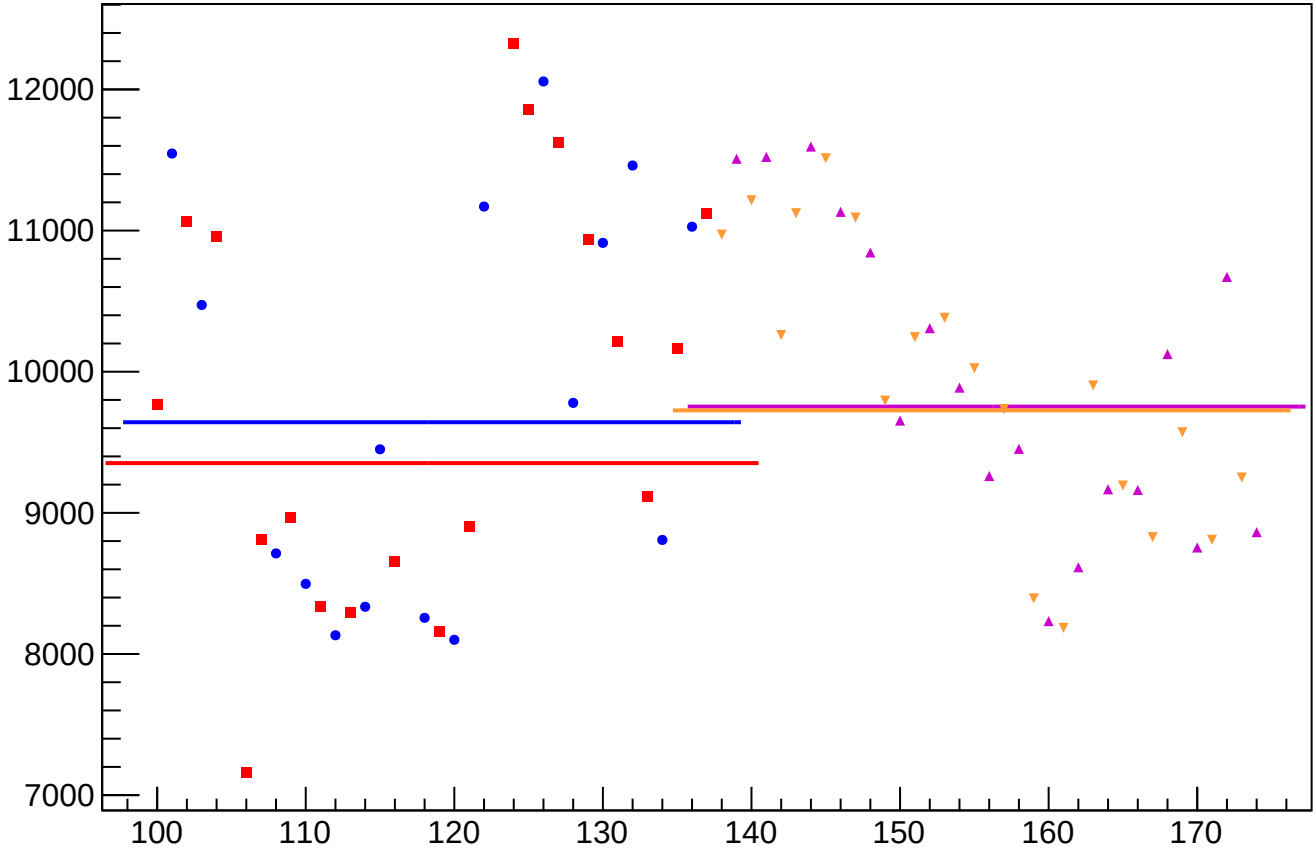
Right: 16.361+/-2.501 χ^2/NDF: 78.7/34

In: -0.132+/-2.091 χ^2/NDF:132.6/33

Out: -2.951+/-2.044 χ^2/NDF:72.2/37

All: -1.574+/-1.461 χ^2/NDF: 205.7/71

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9642.075+/-2.565 χ^2/NDF: 279657.4/15

Left Out: 9726.120+/-1.793 χ^2/NDF:296433.4/18

Right Out: 9352.503+/-2.442 χ^2/NDF: 301779.3/18

Left In: 9752.794+/-1.809 χ^2/NDF:326413.4/17

Left: 9739.338+/-1.273 χ^2/NDF: 622956.5/36

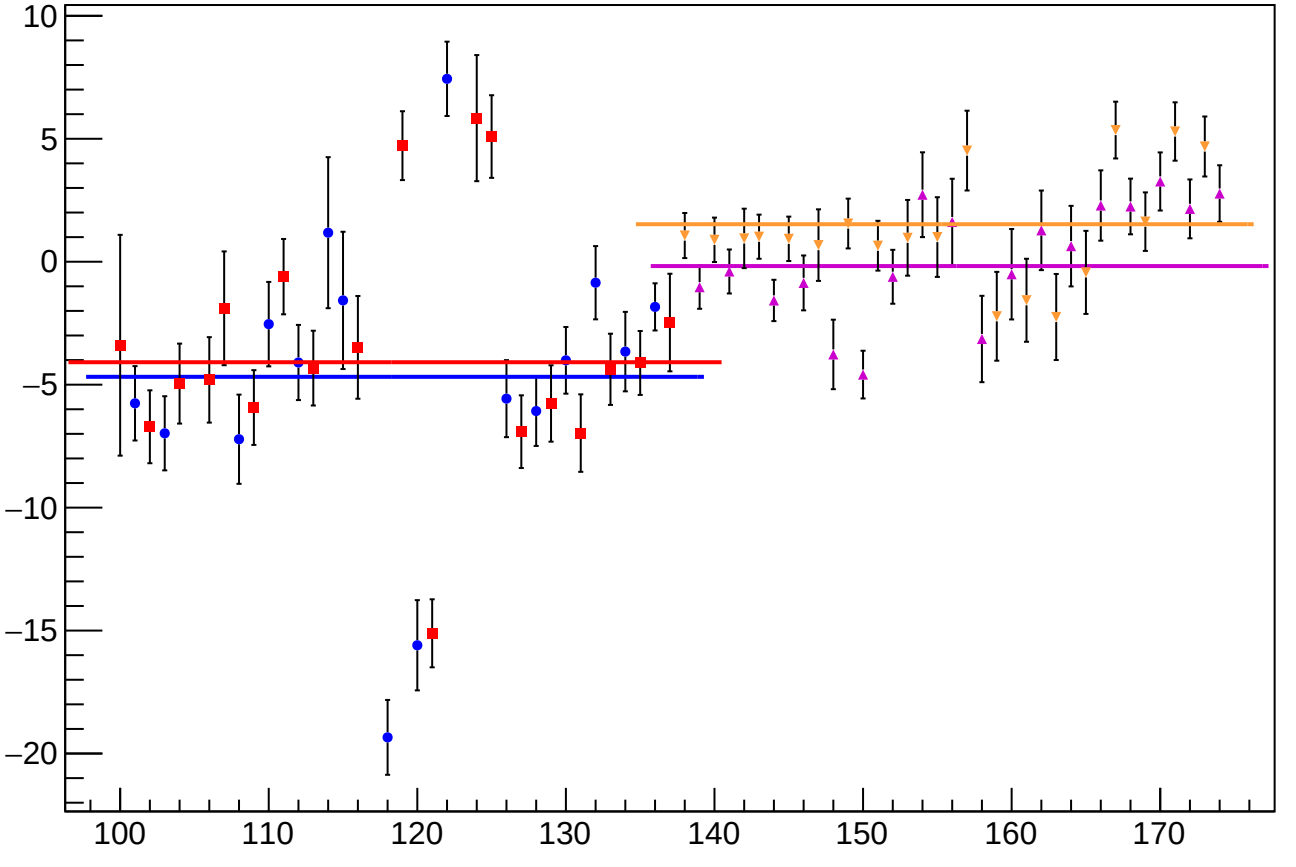
Right: 9490.167+/-1.769 χ^2/NDF: 588120.8/34

In: 9716.030+/-1.478 χ^2/NDF:607315.0/33

Out: 9595.288+/-1.445 χ^2/NDF:613422.0/37

All: 9654.292+/-1.033 χ^2/NDF: 1224148.3/71

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -4.681+/-0.386 χ^2/NDF: 221.2/15

Left Out: 1.525+/-0.274 χ^2/NDF:47.9/18

Right Out: -4.087+/-0.376 χ^2/NDF: 168.1/18

Left In: -0.177+/-0.281 χ^2/NDF:65.7/17

Left: 0.697+/-0.196 χ^2/NDF: 132.4/36

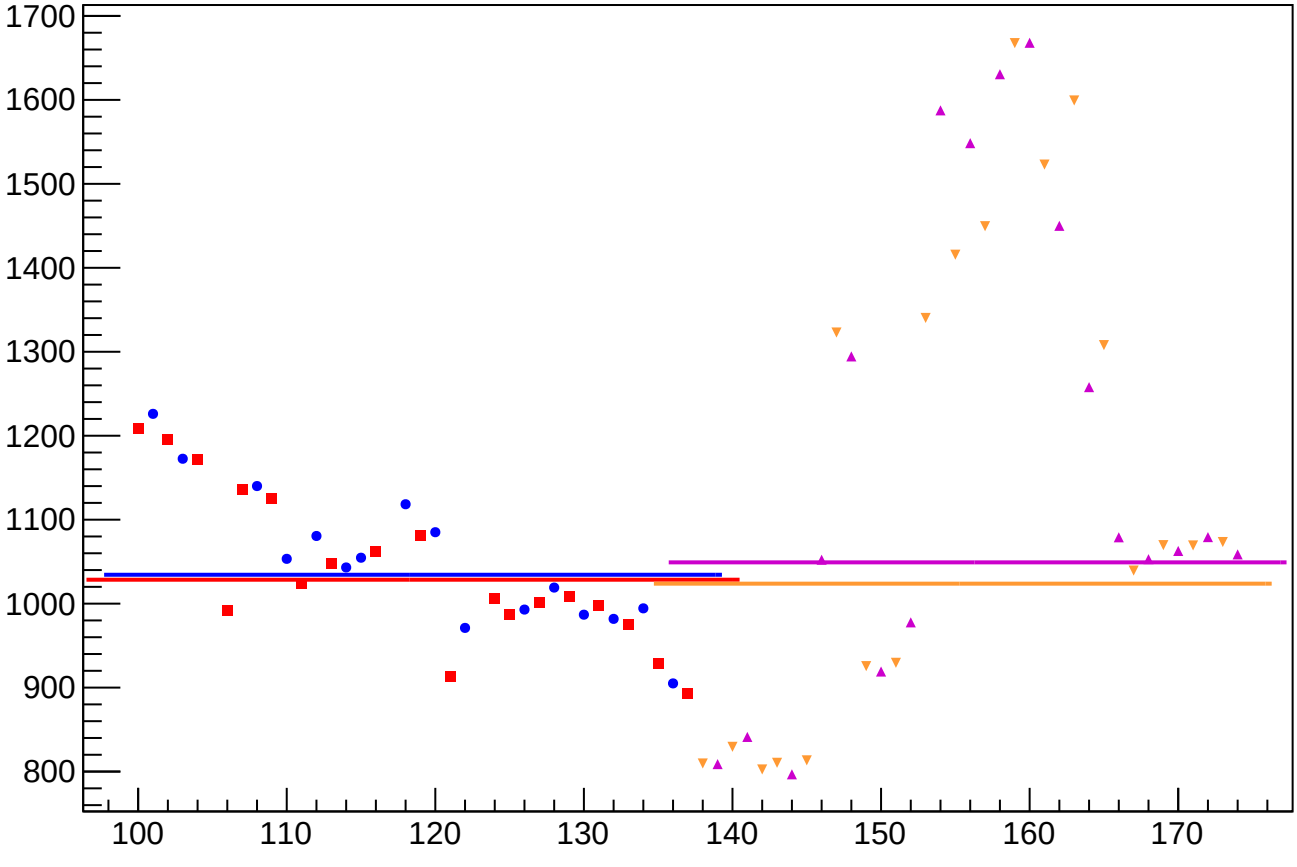
Right: -4.376+/-0.269 χ^2/NDF: 390.5/34

In: -1.740+/-0.227 χ^2/NDF:375.8/33

Out: -0.416+/-0.221 χ^2/NDF:361.4/37

All: -1.061+/-0.159 χ^2/NDF: 754.6/71

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 1034.402+/-0.273 χ^2/NDF: 113278.6/15

Left Out: 1023.791+/-0.194 χ^2/NDF:1661842.3/18

Right Out: 1028.501+/-0.266 χ^2/NDF: 101624.8/18

Left In: 1049.165+/-0.199 χ^2/NDF:1502881.0/17

Left: 1036.130+/-0.139 χ^2/NDF: 3173081.0/36

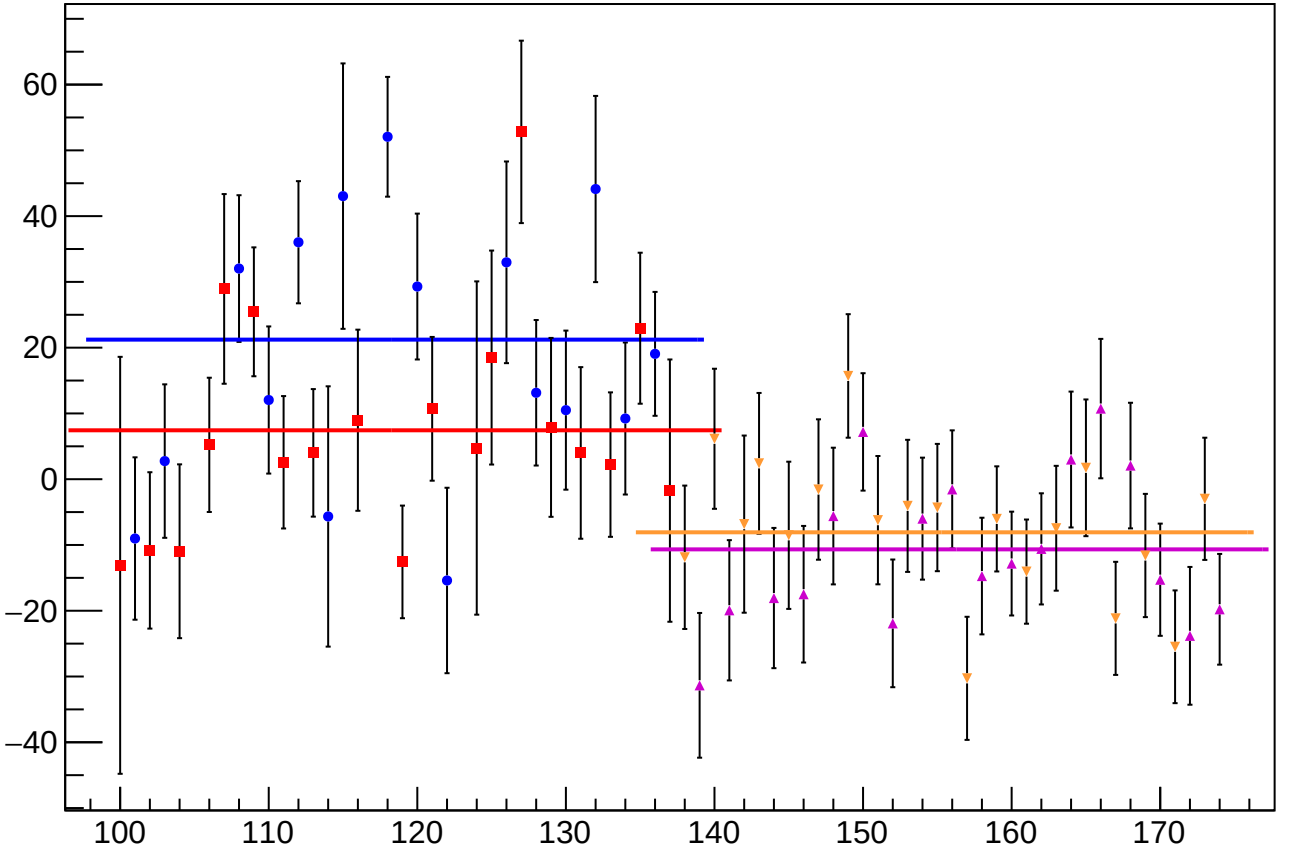
Right: 1031.379+/-0.190 χ^2/NDF: 215143.2/34

In: 1044.040+/-0.161 χ^2/NDF:1618071.6/33

Out: 1025.420+/-0.157 χ^2/NDF:1763671.9/37

All: 1034.483+/-0.112 χ^2/NDF: 3388630.7/71

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 21.222+/-2.952 χ^2/NDF: 40.1/15

Left Out: -8.074+/-2.213 χ^2/NDF:24.0/18

Right Out: 7.435+/-2.810 χ^2/NDF: 29.8/18

Left In: -10.669+/-2.233 χ^2/NDF:23.0/17

Left: -9.360+/-1.572 χ^2/NDF: 47.7/36

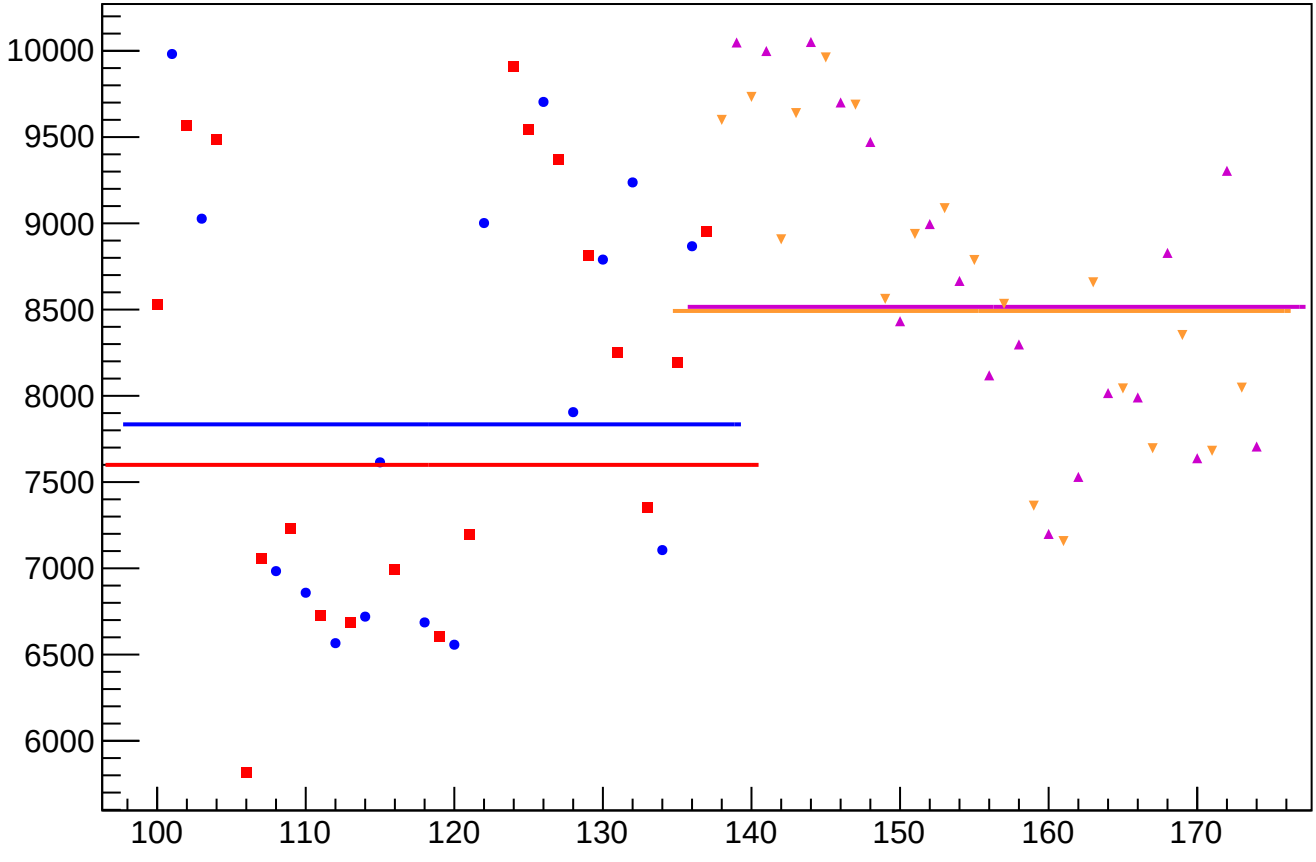
Right: 13.990+/-2.035 χ^2/NDF: 81.3/34

In: 0.939+/-1.781 χ^2/NDF:137.3/33

Out: -2.138+/-1.739 χ^2/NDF:72.6/37

All: -0.636+/-1.244 χ^2/NDF: 211.5/71

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 7834.618+/-2.087 χ^2/NDF: 318089.6/15

Left Out: 8492.046+/-1.565 χ^2/NDF:286543.6/18

Right Out: 7599.749+/-1.987 χ^2/NDF: 344296.8/18

Left In: 8515.827+/-1.579 χ^2/NDF:318225.9/17

Left: 8503.831+/-1.112 χ^2/NDF: 604884.0/36

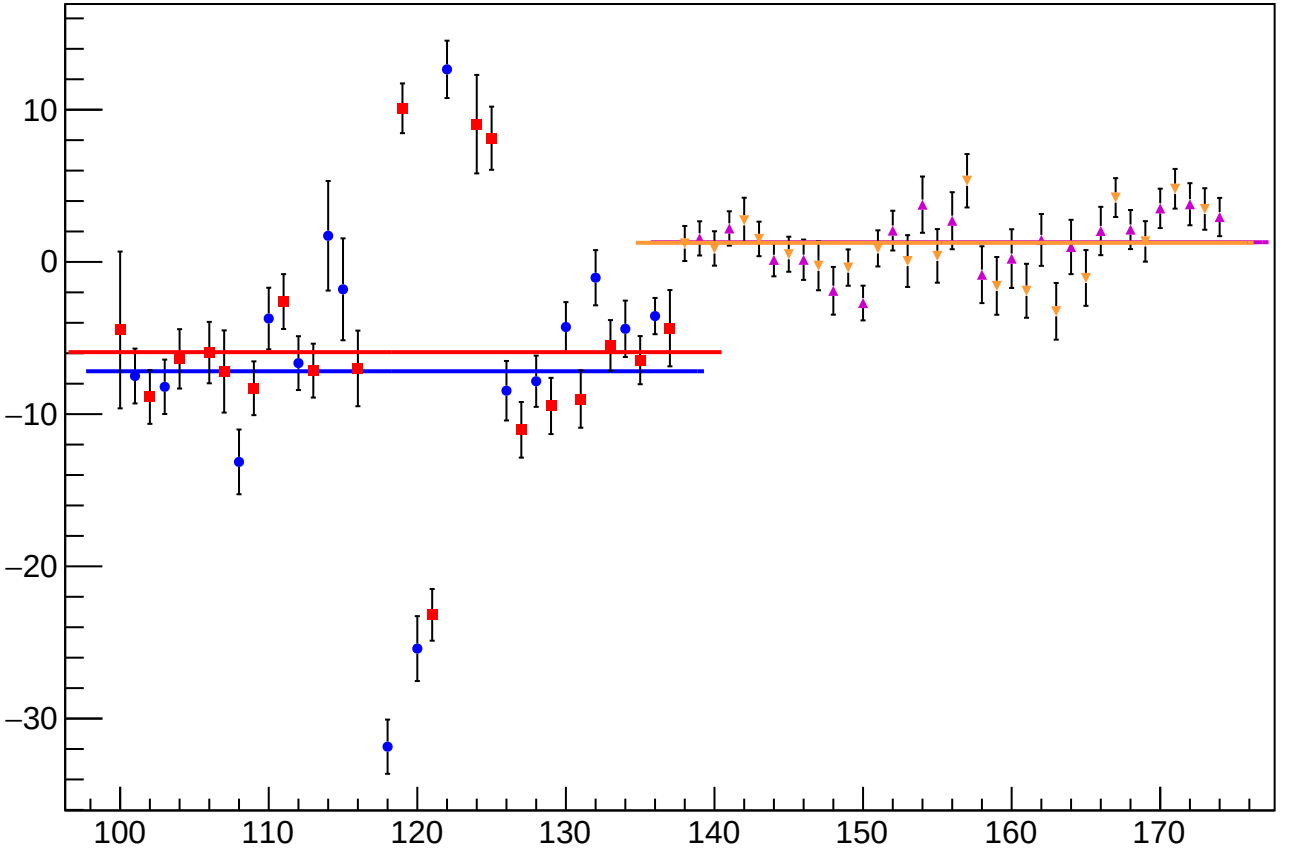
Right: 7711.419+/-1.439 χ^2/NDF: 669028.2/34

In: 8267.885+/-1.259 χ^2/NDF:704062.9/33

Out: 8150.487+/-1.229 χ^2/NDF:755285.7/37

All: 8207.782+/-0.880 χ^2/NDF: 1463798.5/71

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -7.183+/-0.462 χ^2/NDF: 422.2/15

Left Out: 1.257+/-0.319 χ^2/NDF:38.9/18

Right Out: -5.927+/-0.449 χ^2/NDF: 290.4/18

Left In: 1.294+/-0.328 χ^2/NDF:32.0/17

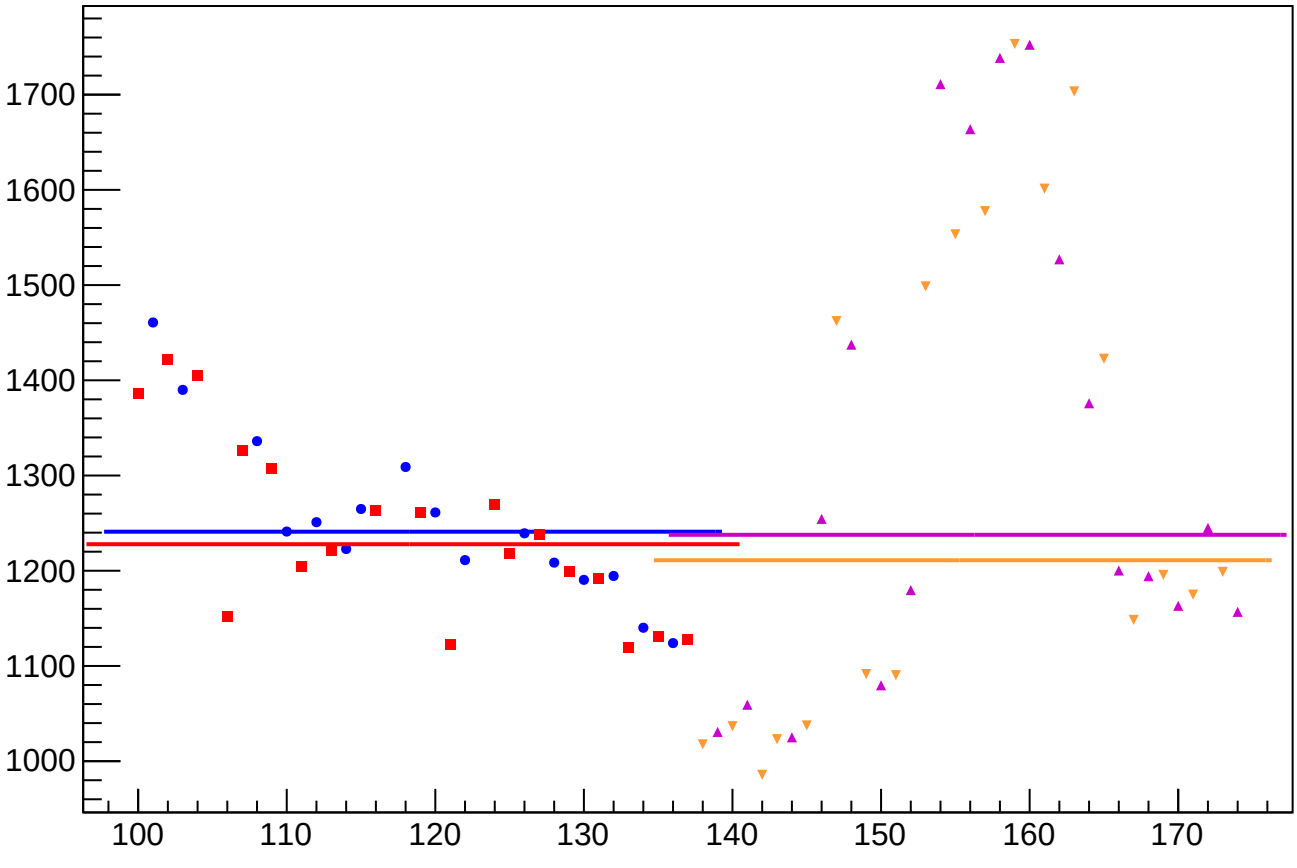
Left: 1.275+/-0.229 χ^2/NDF: 70.8/36

Right: -6.537+/-0.322 χ^2/NDF: 716.4/34

In: -1.539+/-0.267 χ^2/NDF:678.0/33

Out: -1.156+/-0.260 χ^2/NDF:499.1/37

All: -1.342+/-0.186 χ^2/NDF: 1178.2/71



Right In: 1241.007+/-0.327 χ^2/NDF: 80653.5/15

Left Out: 1211.019+/-0.226 χ^2/NDF:993317.7/18

Right Out: 1227.864+/-0.318 χ^2/NDF: 82339.2/18

Left In: 1237.741+/-0.232 χ^2/NDF:879814.5/17

Left: 1224.045+/-0.162 χ^2/NDF: 1879954.1/36

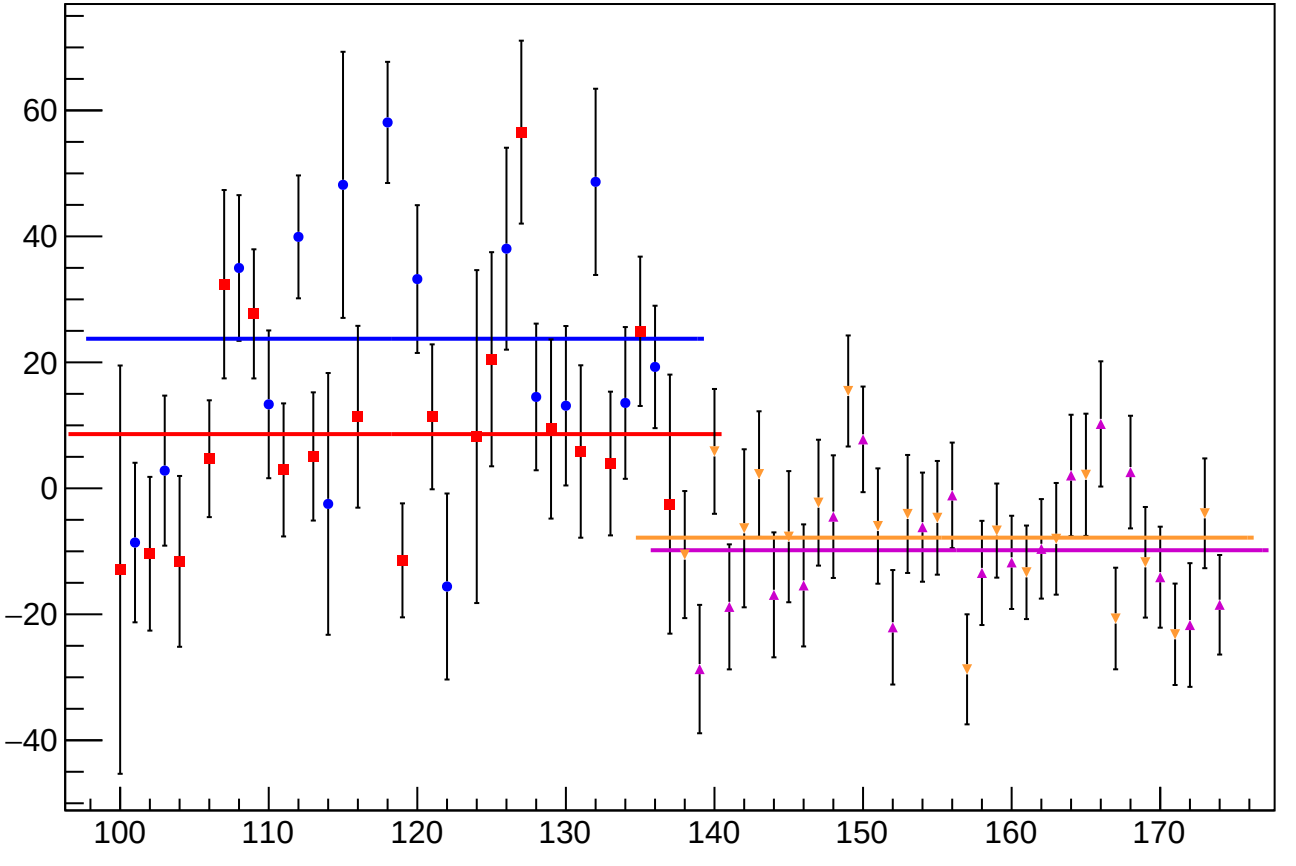
Right: 1234.245+/-0.228 χ^2/NDF: 163824.2/34

In: 1238.832+/-0.189 χ^2/NDF:960534.4/33

Out: 1216.677+/-0.184 χ^2/NDF:1077524.9/37

All: 1227.463+/-0.132 χ^2/NDF: 2045111.4/71

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 23.750+/-3.081 χ^2/NDF: 43.4/15

Left Out: -7.829+/-2.069 χ^2/NDF:24.5/18

Right Out: 8.609+/-2.899 χ^2/NDF: 30.5/18

Left In: -9.826+/-2.089 χ^2/NDF:23.6/17

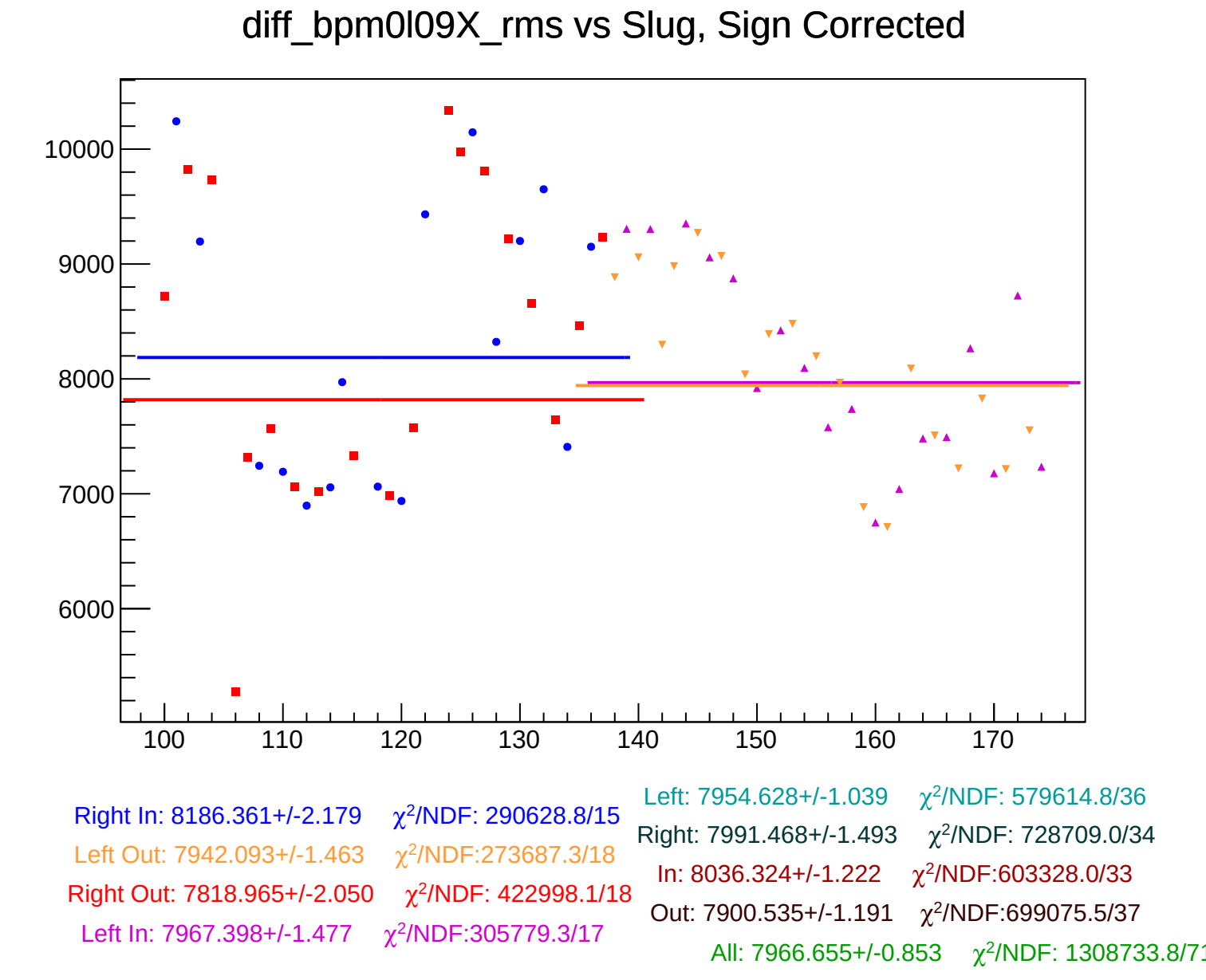
Left: -8.818+/-1.470 χ^2/NDF: 48.6/36

Right: 15.718+/-2.111 χ^2/NDF: 86.7/34

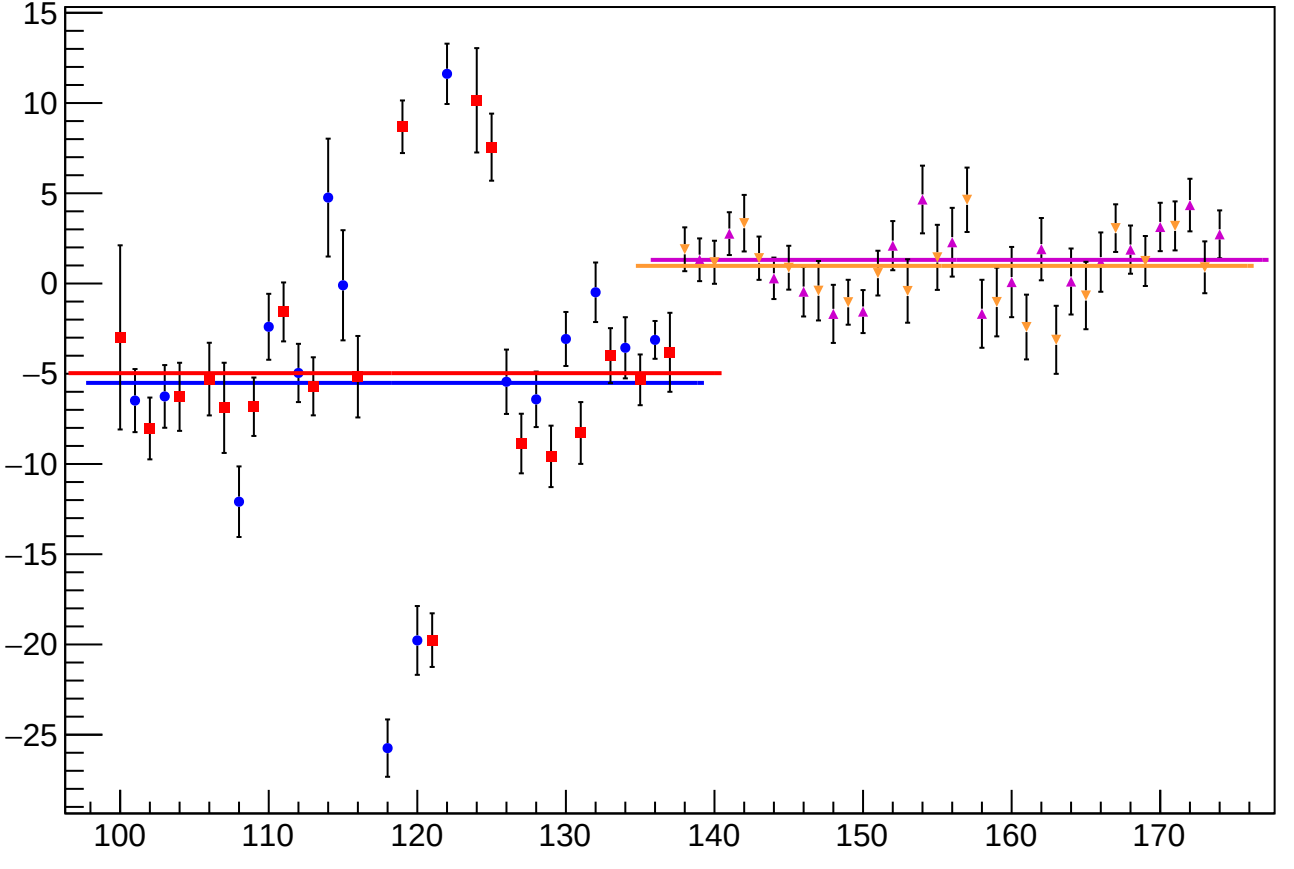
In: 0.743+/-1.729 χ^2/NDF:148.4/33

Out: -2.281+/-1.684 χ^2/NDF:76.3/37

All: -0.809+/-1.206 χ^2/NDF: 226.2/71


diff_bpm0l09X_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
100
110
120
130
140
150
160
170
Right In: 8186.361+/-2.179 χ²/NDF: 290628.8/15
Left Out: 7942.093+/-1.463 χ²/NDF:273687.3/18
Right Out: 7818.965+/-2.050 χ²/NDF: 422998.1/18
Left In: 7967.398+/-1.477 χ²/NDF:305779.3/17
Left: 7954.628+/-1.039 χ²/NDF: 579614.8/36
Right: 7991.468+/-1.493 χ²/NDF: 728709.0/34
In: 8036.324+/-1.222 χ²/NDF:603328.0/33
Out: 7900.535+/-1.191 χ²/NDF:699075.5/37
All: 7966.655+/-0.853 χ²/NDF: 1308733.8/71

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.506+/-0.421 χ^2/NDF: 369.8/15

Left Out: 0.978+/-0.332 χ^2/NDF:26.7/18

Right Out: -4.967+/-0.410 χ^2/NDF: 287.3/18

Left In: 1.310+/-0.341 χ^2/NDF:27.9/17

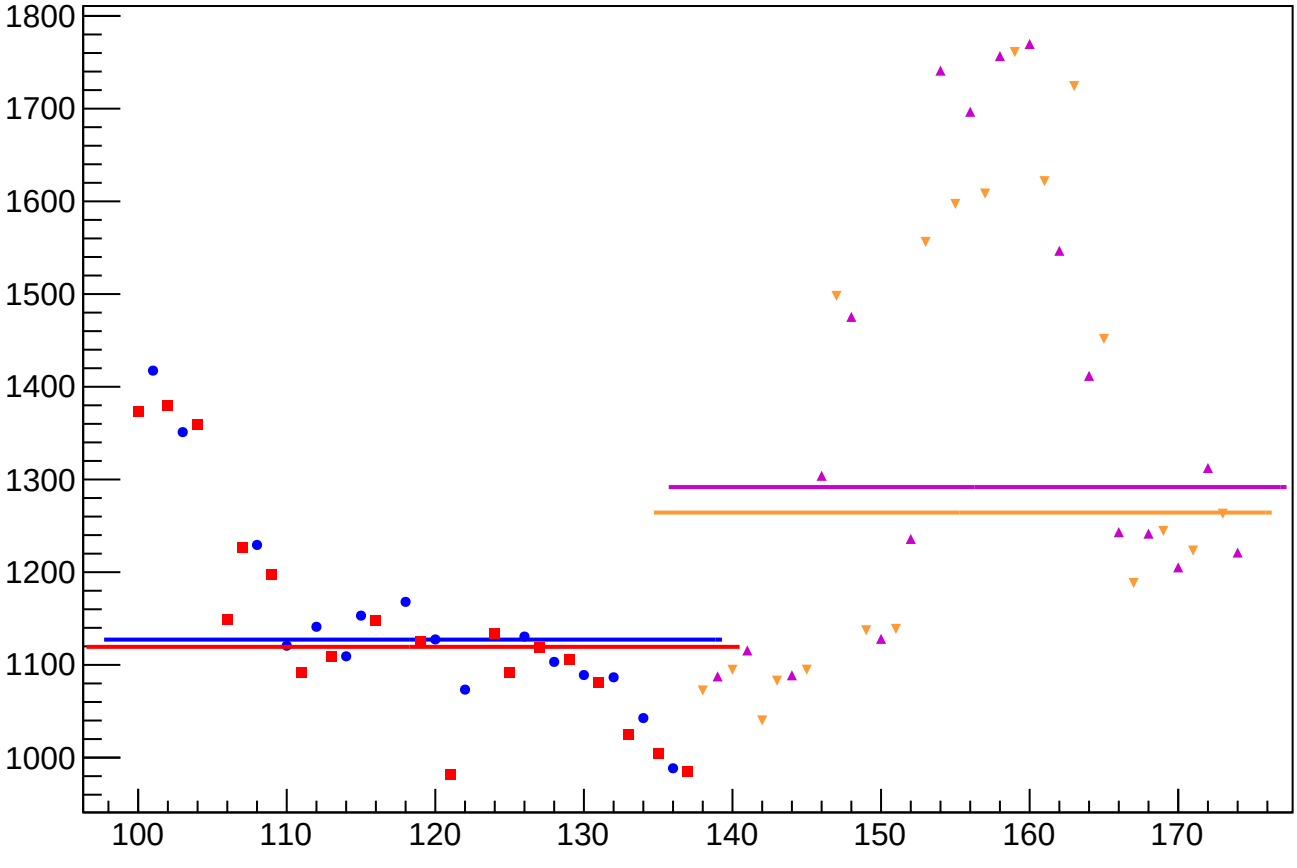
Left: 1.140+/-0.238 χ^2/NDF: 55.1/36

Right: -5.230+/-0.294 χ^2/NDF: 657.9/34

In: -1.390+/-0.265 χ^2/NDF:556.1/33

Out: -1.378+/-0.258 χ^2/NDF:440.7/37

All: -1.384+/-0.185 χ^2/NDF: 996.9/71



Right In: 1127.290+/-0.298 χ^2/NDF: 140615.8/15

Left Out: 1264.322+/-0.235 χ^2/NDF:858492.2/18

Right Out: 1119.473+/-0.290 χ^2/NDF: 140736.0/18

Left In: 1291.829+/-0.241 χ^2/NDF:752184.5/17

Left: 1277.733+/-0.168 χ^2/NDF: 1617351.4/36

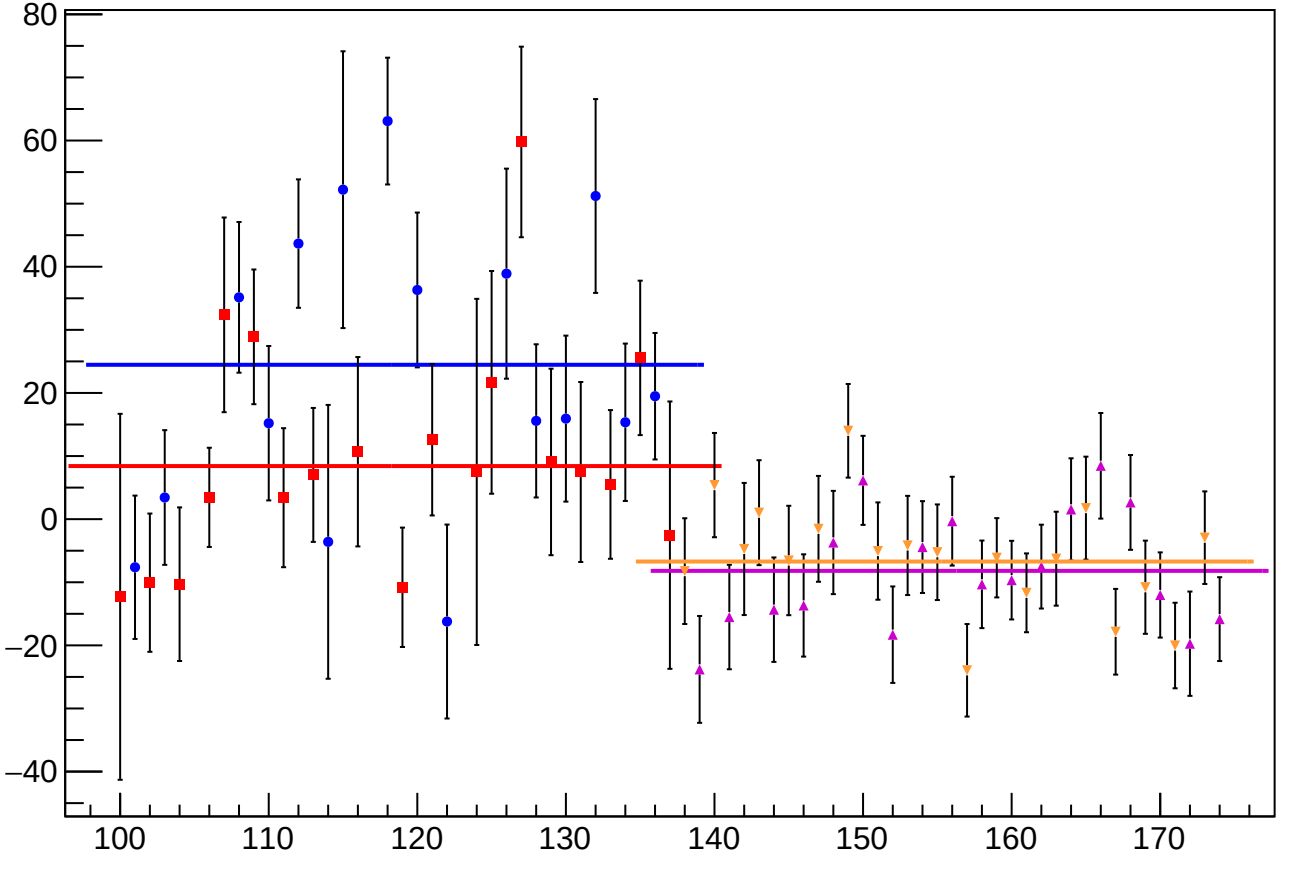
Right: 1123.282+/-0.208 χ^2/NDF: 281705.5/34

In: 1226.657+/-0.187 χ^2/NDF:1077403.8/33

Out: 1206.915+/-0.183 χ^2/NDF:1149673.0/37

All: 1216.539+/-0.131 χ^2/NDF: 2232771.3/71

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: 24.463+/-3.136 χ^2/NDF: 48.3/15

Left Out: -6.716+/-1.737 χ^2/NDF:25.8/18

Right Out: 8.413+/-2.891 χ^2/NDF: 31.1/18

Left In: -8.194+/-1.753 χ^2/NDF:24.1/17

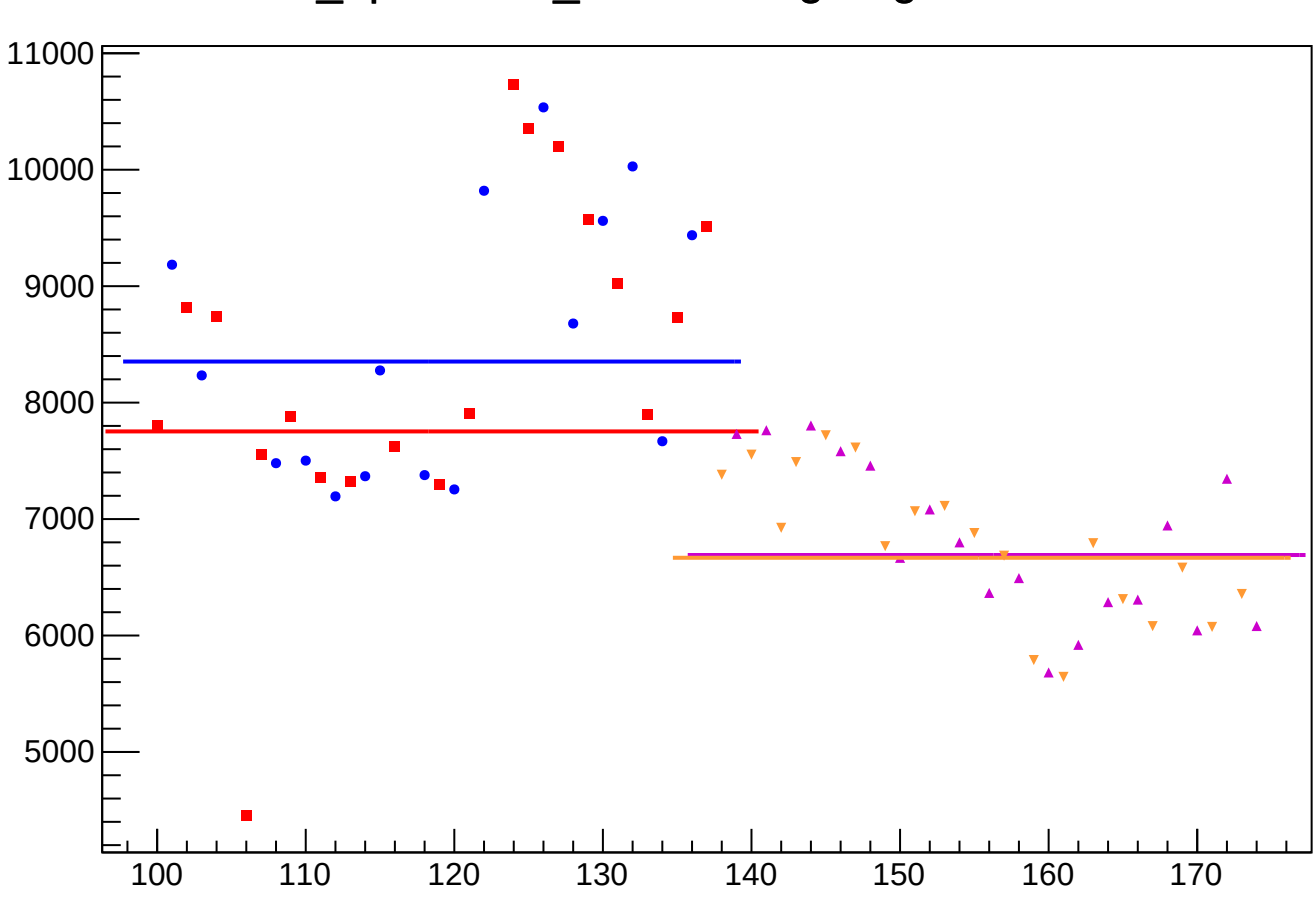
Left: -7.448+/-1.234 χ^2/NDF: 50.3/36

Right: 15.786+/-2.126 χ^2/NDF: 93.6/34

In: -0.417+/-1.530 χ^2/NDF:155.1/33

Out: -2.704+/-1.489 χ^2/NDF:77.1/37

All: -1.592+/-1.067 χ^2/NDF: 233.3/71



Right In: 8352.758+/-2.218 χ^2/NDF: 220412.5/15

Left Out: 6667.643+/-1.228 χ^2/NDF:258016.1/18

Right Out: 7752.674+/-2.044 χ^2/NDF: 588072.1/18

Left In: 6691.367+/-1.240 χ^2/NDF:291827.3/17

Left: 6679.391+/-0.872 χ^2/NDF: 550028.2/36

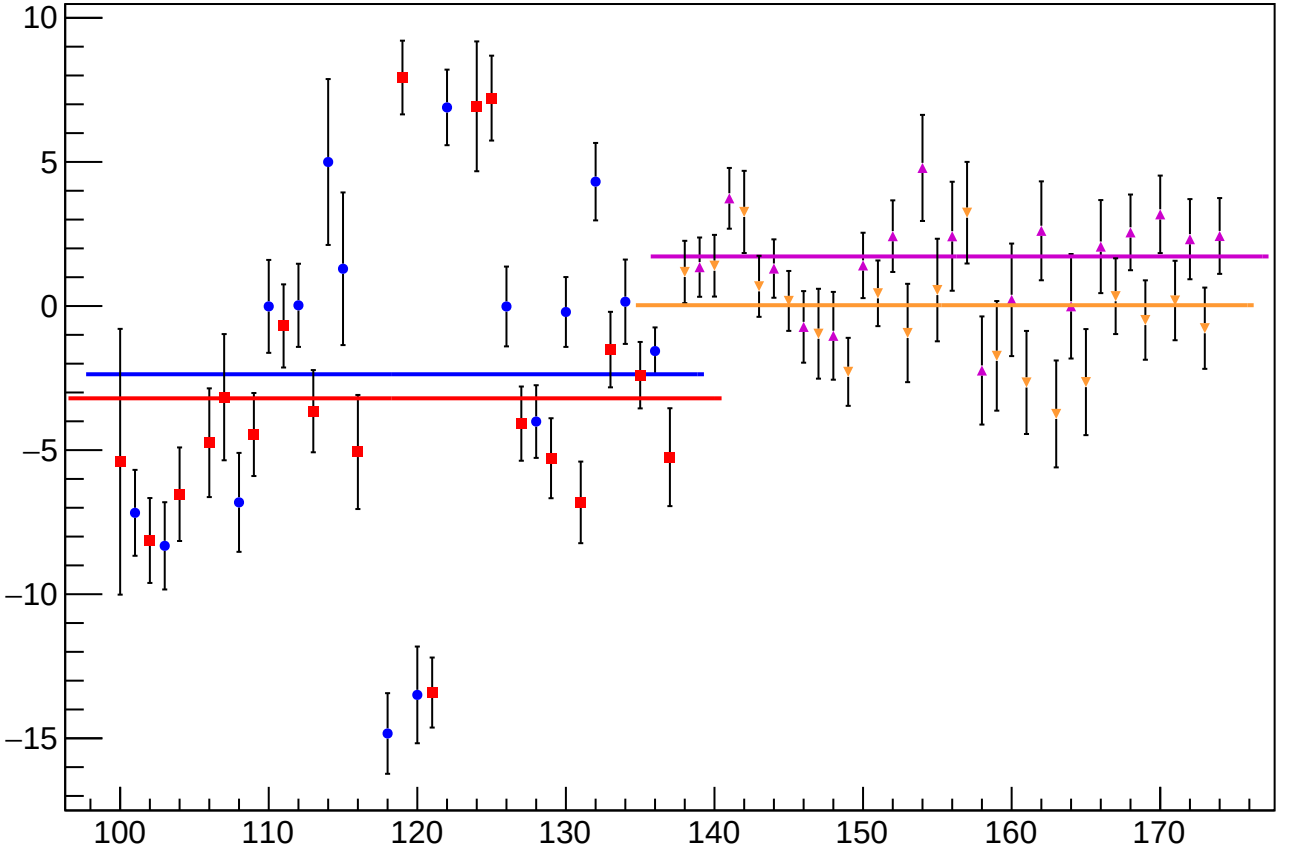
Right: 8028.343+/-1.503 χ^2/NDF: 848071.5/34

In: 7087.034+/-1.082 χ^2/NDF:939850.5/33

Out: 6955.355+/-1.053 χ^2/NDF:1053113.5/37

All: 7019.372+/-0.755 χ^2/NDF: 2000571.5/71

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -2.368+/-0.350 χ^2/NDF: 255.6/15

Left Out: 0.029+/-0.313 χ^2/NDF:26.3/18

Right Out: -3.203+/-0.346 χ^2/NDF: 250.5/18

Left In: 1.720+/-0.321 χ^2/NDF:22.8/17

Left: 0.852+/-0.224 χ^2/NDF: 63.3/36

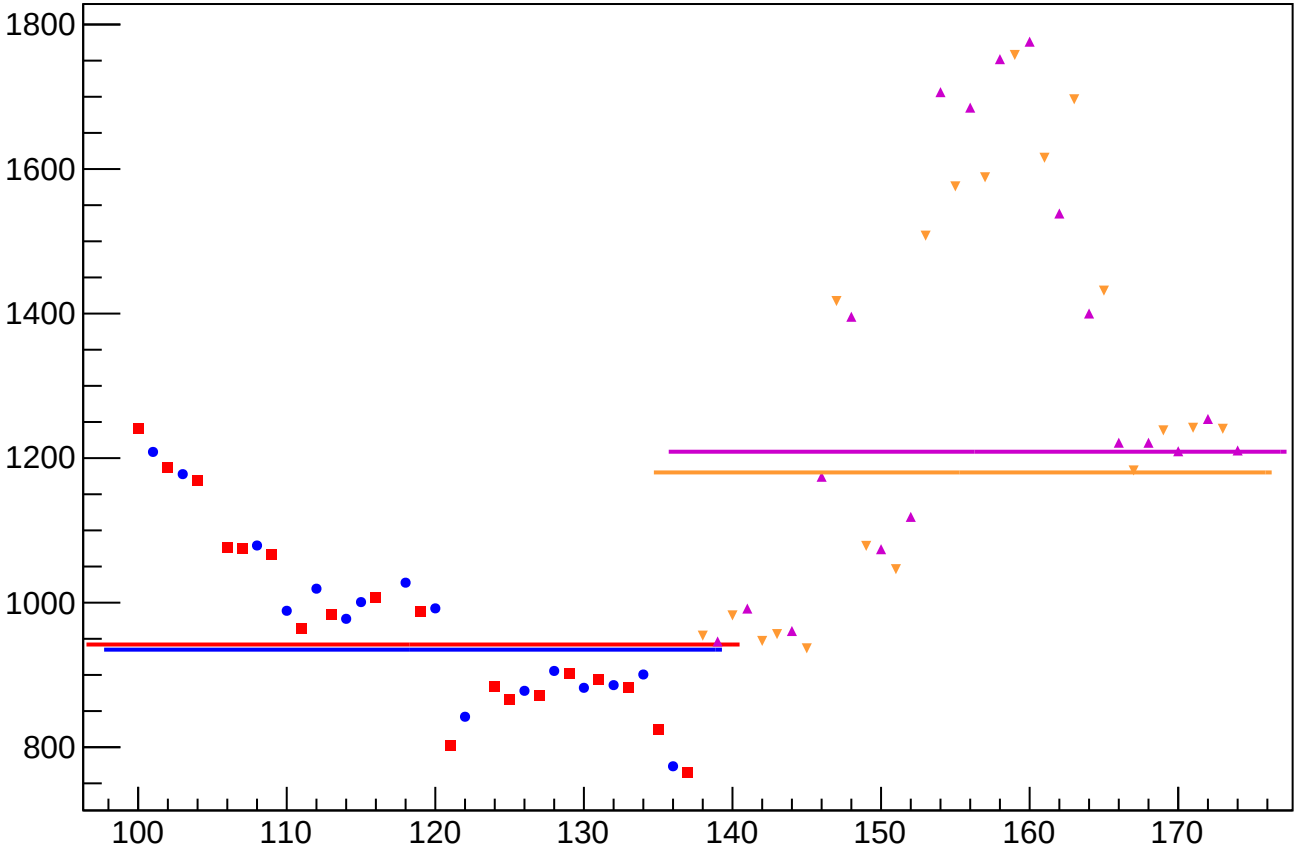
Right: -2.790+/-0.246 χ^2/NDF: 509.0/34

In: -0.145+/-0.237 χ^2/NDF:352.3/33

Out: -1.422+/-0.232 χ^2/NDF:324.8/37

All: -0.796+/-0.166 χ^2/NDF: 691.9/71

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 934.975+/-0.248 χ^2/NDF: 254363.7/15

Left Out: 1180.206+/-0.221 χ^2/NDF:1283346.6/18

Right Out: 942.096+/-0.245 χ^2/NDF: 232453.5/18

Left In: 1208.855+/-0.227 χ^2/NDF:1113080.3/17

Left: 1194.149+/-0.158 χ^2/NDF: 2404599.1/36

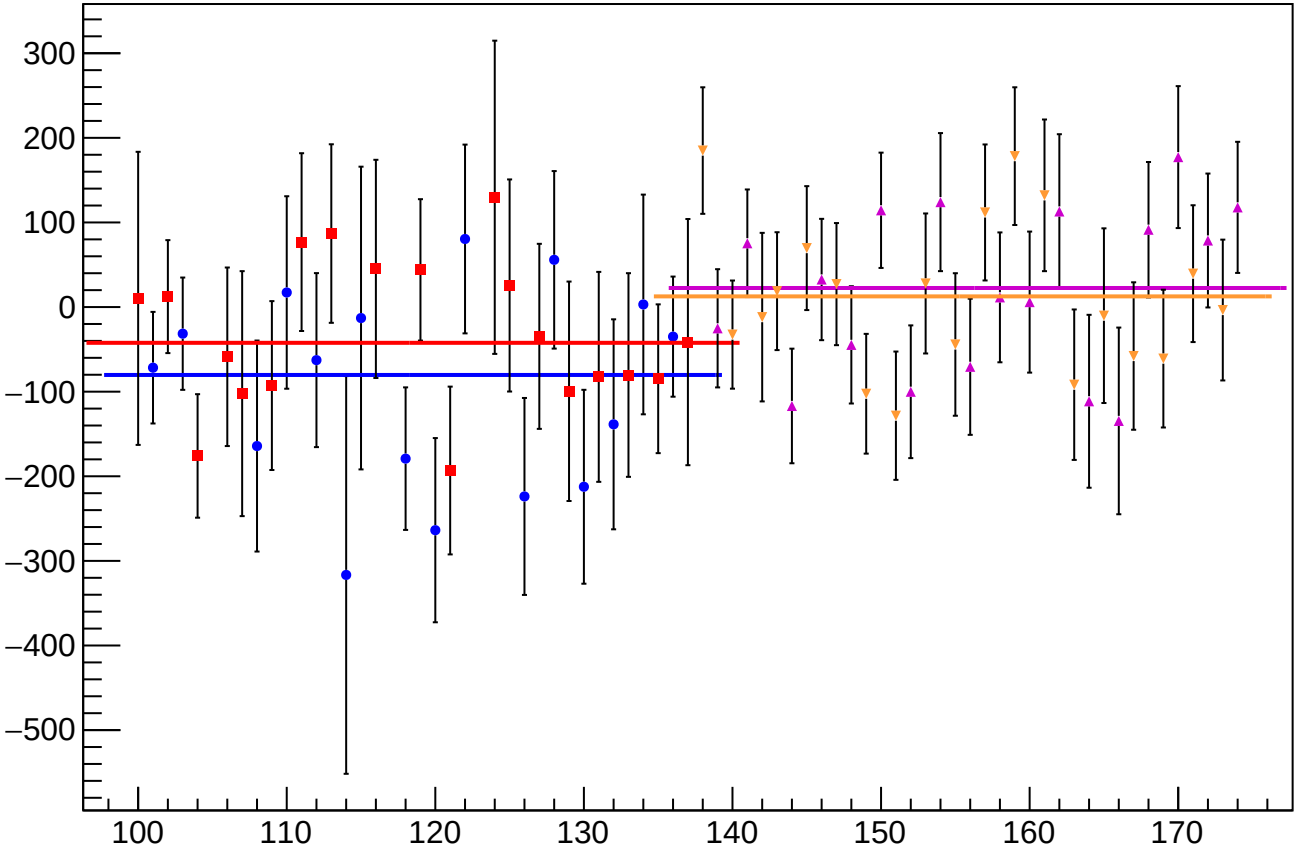
Right: 938.577+/-0.174 χ^2/NDF: 487235.0/34

In: 1083.862+/-0.167 χ^2/NDF:2031483.3/33

Out: 1073.299+/-0.164 χ^2/NDF:2036609.8/37

All: 1078.476+/-0.117 χ^2/NDF: 4070123.5/71

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -80.250+/-24.909 χ^2/NDF: 14.8/15

Left Out: 12.616+/-18.256 χ^2/NDF:23.6/18

Right Out: -42.263+/-24.144 χ^2/NDF: 13.0/18

Left In: 22.535+/-18.282 χ^2/NDF:24.4/17

Left: 17.569+/-12.918 χ^2/NDF: 48.2/36

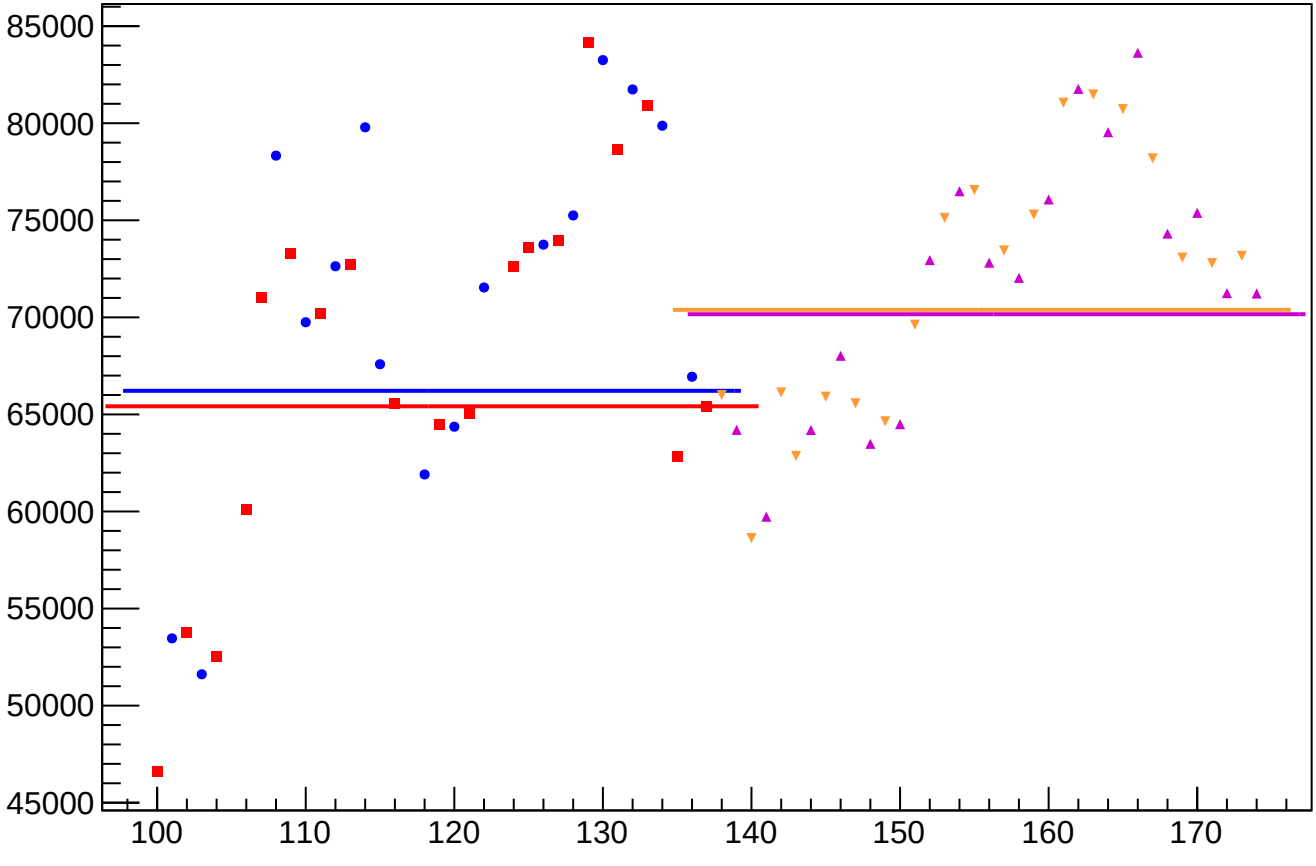
Right: -60.665+/-17.337 χ^2/NDF: 29.0/34

In: -13.450+/-14.738 χ^2/NDF:50.3/33

Out: -7.347+/-14.562 χ^2/NDF:39.9/37

All: -10.362+/-10.359 χ^2/NDF: 90.3/71

diff_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 66216.115+/-17.613 χ^2/NDF: 338377.6/15

Left Out: 70386.722+/-12.909 χ^2/NDF:260534.3/18

Right Out: 65418.529+/-17.073 χ^2/NDF: 304555.9/18

Left In: 70160.726+/-12.928 χ^2/NDF:238914.5/17

Left: 70273.884+/-9.135 χ^2/NDF: 499601.9/36

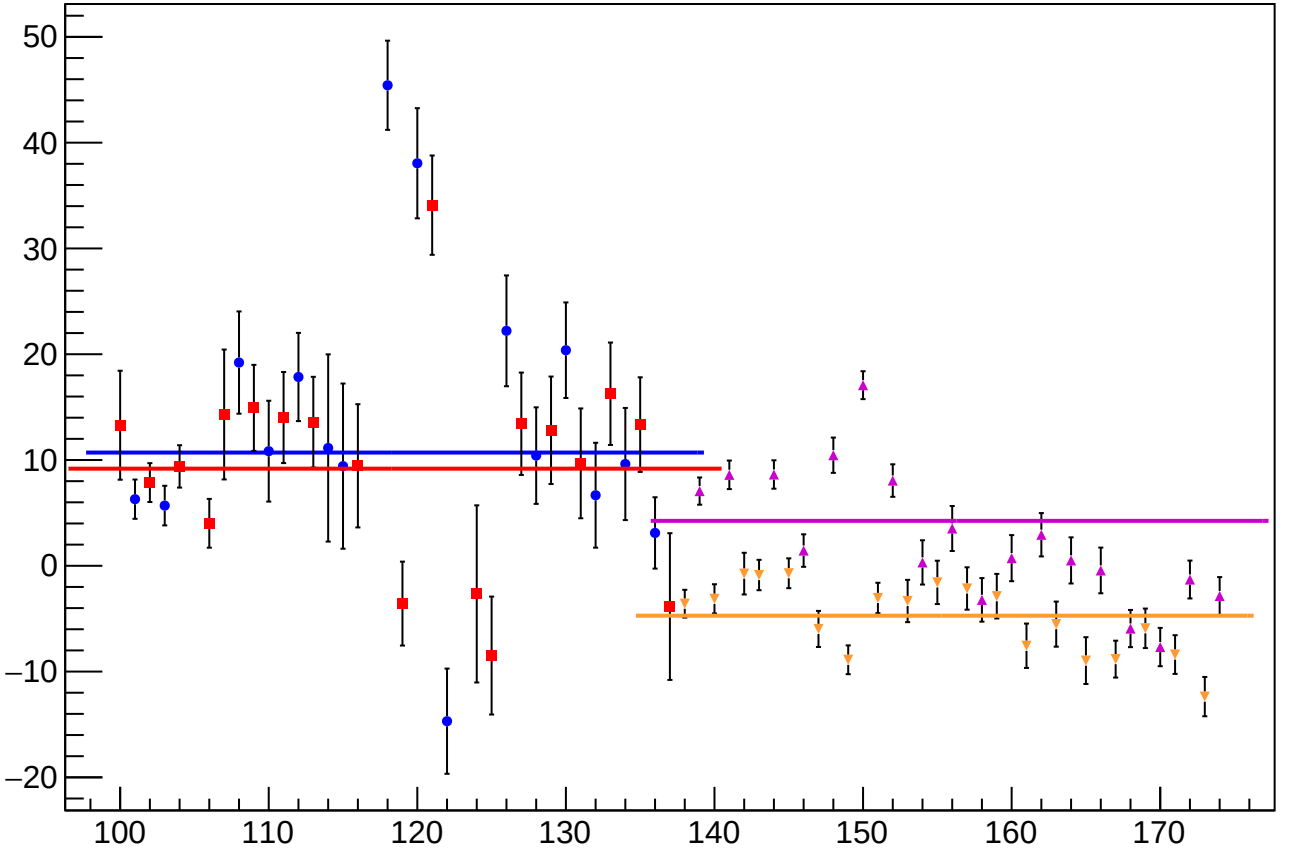
Right: 65804.895+/-12.259 χ^2/NDF: 643990.8/34

In: 68779.710+/-10.422 χ^2/NDF:609888.7/33

Out: 68579.495+/-10.297 χ^2/NDF:618968.3/37

All: 68678.397+/-7.325 χ^2/NDF: 1229043.8/7

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: 10.705+/-0.921 χ^2/NDF: 155.6/15

Left Out: -4.718+/-0.391 χ^2/NDF:70.5/18

Right Out: 9.182+/-0.850 χ^2/NDF: 69.6/18

Left In: 4.249+/-0.398 χ^2/NDF:273.4/17

Left: -0.318+/-0.279 χ^2/NDF: 601.8/36

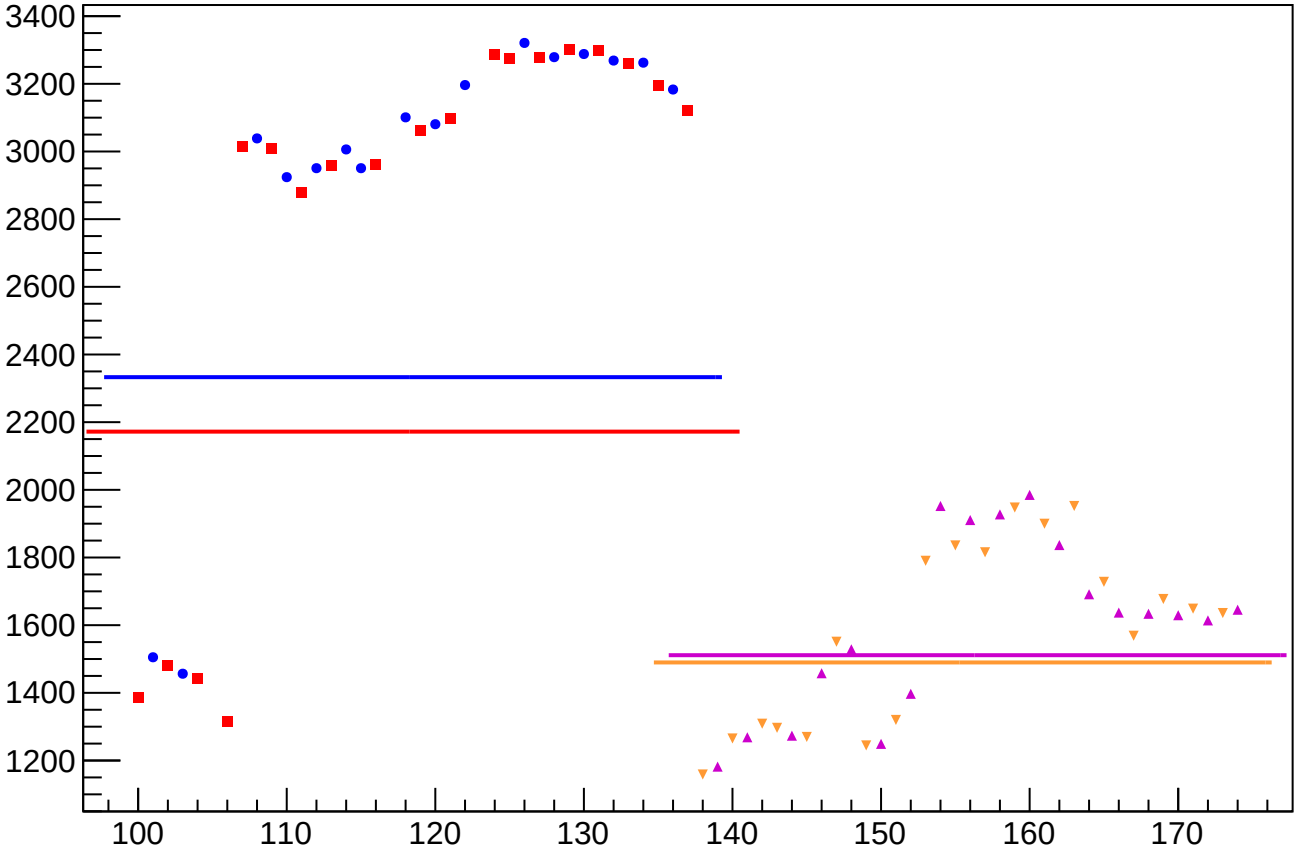
Right: 9.883+/-0.625 χ^2/NDF: 226.6/34

In: 5.267+/-0.366 χ^2/NDF:470.4/33

Out: -2.290+/-0.355 χ^2/NDF:360.7/37

All: 1.380+/-0.255 χ^2/NDF: 1050.8/71

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 2333.021+/-0.651 χ^2/NDF: 1651407.8/15

Left Out: 1489.849+/-0.277 χ^2/NDF:872716.5/18

Right Out: 2172.041+/-0.601 χ^2/NDF: 1984197.6/18

Left In: 1511.275+/-0.282 χ^2/NDF:793599.8/17

Left: 1500.363+/-0.197 χ^2/NDF: 1669261.7/36

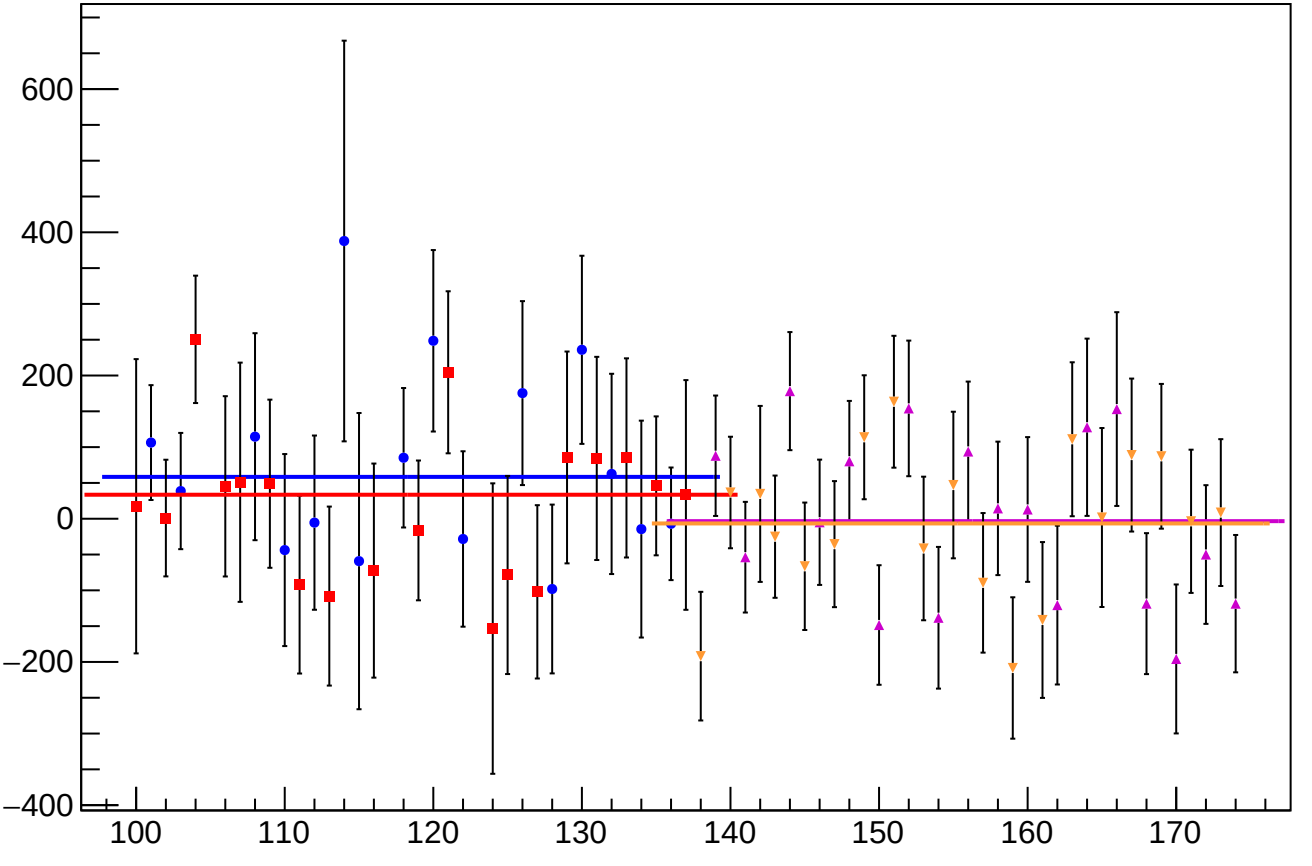
Right: 2246.139+/-0.442 χ^2/NDF: 3668614.7/34

In: 1640.919+/-0.259 χ^2/NDF:3787288.2/33

Out: 1609.010+/-0.251 χ^2/NDF:3919818.2/37

All: 1624.507+/-0.180 χ^2/NDF: 7714940.6/71

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 58.446+/-28.918 χ^2/NDF: 11.3/15

Left Out: -6.587+/-22.263 χ^2/NDF:20.3/18

Right Out: 33.520+/-28.106 χ^2/NDF: 14.7/18

Left In: -3.381+/-22.280 χ^2/NDF:26.2/17

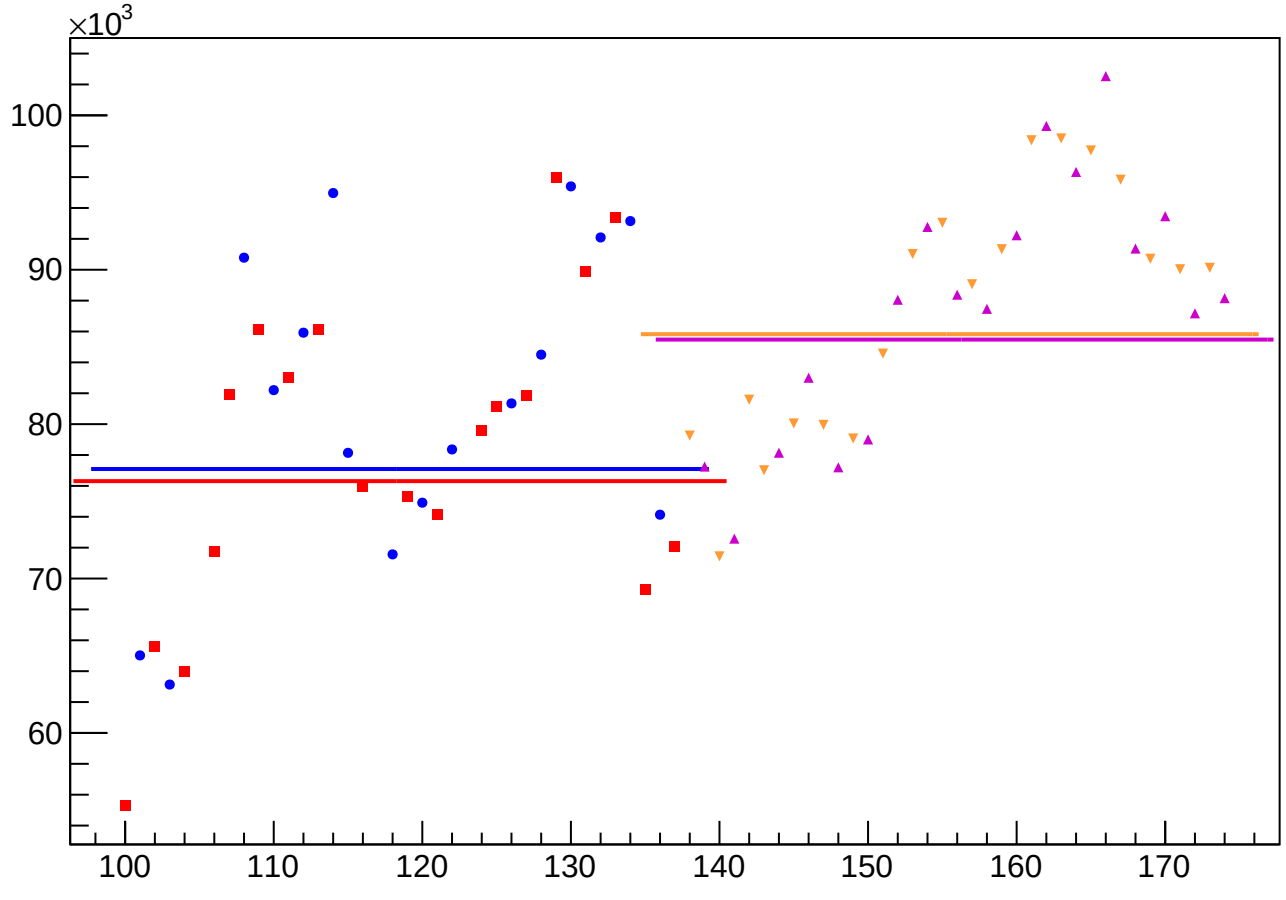
Left: -4.985+/-15.748 χ^2/NDF: 46.5/36

Right: 45.628+/-20.155 χ^2/NDF: 26.4/34

In: 19.649+/-17.649 χ^2/NDF:40.4/33

Out: 8.876+/-17.451 χ^2/NDF:36.3/37

All: 14.202+/-12.409 χ^2/NDF: 76.8/71



Right In: 77093.125+/-20.448 χ^2/NDF: 248542.7/15

Left Out: 85825.559+/-15.742 χ^2/NDF:258183.0/18

Right Out: 76308.708+/-19.874 χ^2/NDF: 234433.2/18

Left In: 85476.653+/-15.754 χ^2/NDF:246926.0/17

Left: 85651.234+/-11.136 χ^2/NDF: 505354.5/36

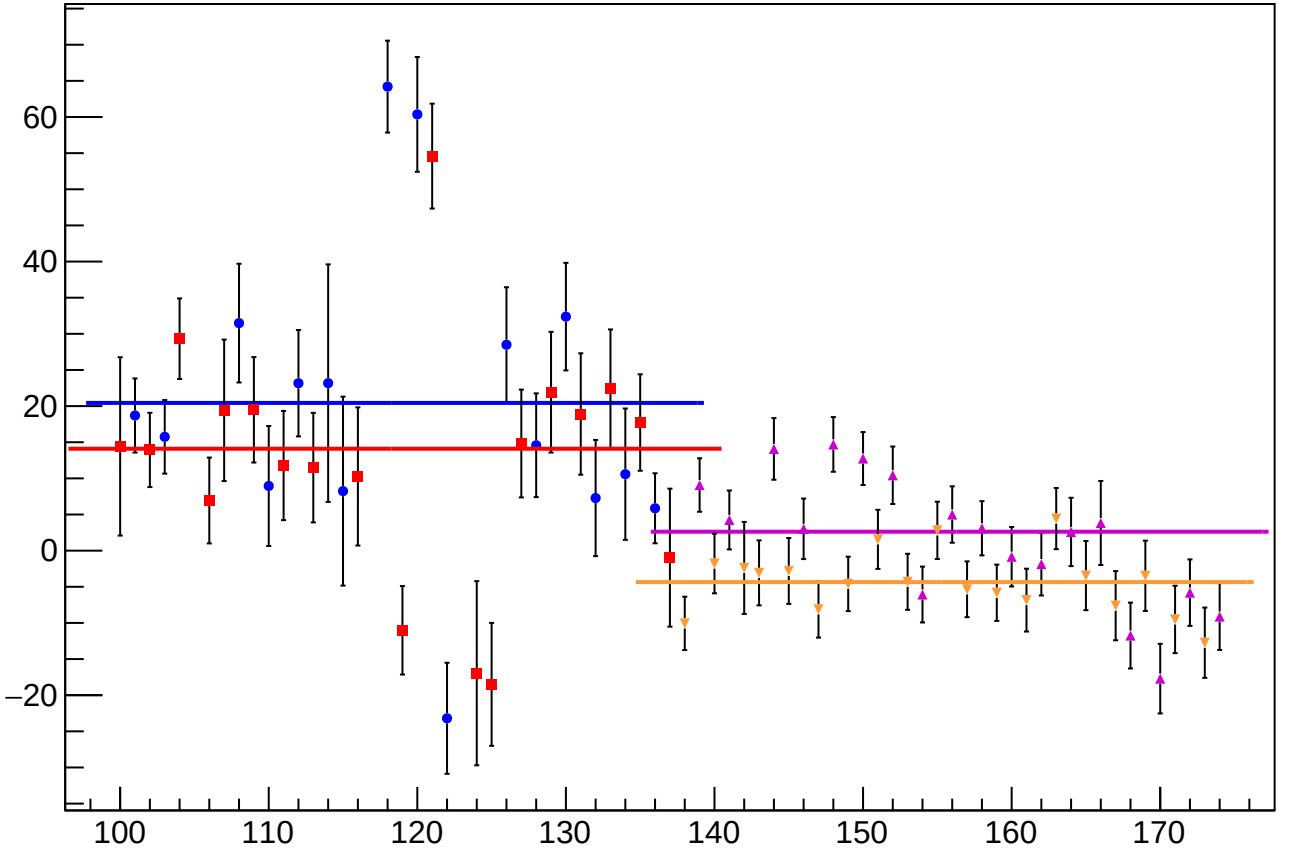
Right: 76689.749+/-14.251 χ^2/NDF: 483732.7/34

In: 82353.905+/-12.480 χ^2/NDF:600951.7/33

Out: 82156.372+/-12.340 χ^2/NDF:633519.3/37

All: 82254.028+/-8.775 χ^2/NDF: 1234597.7/7

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 20.441+/-1.782 χ^2/NDF: 127.8/15

Left Out: -4.350+/-0.981 χ^2/NDF:18.9/18

Right Out: 14.102+/-1.714 χ^2/NDF: 83.8/18

Left In: 2.622+/-0.986 χ^2/NDF:77.0/17

Left: -0.883+/-0.695 χ^2/NDF: 121.1/36

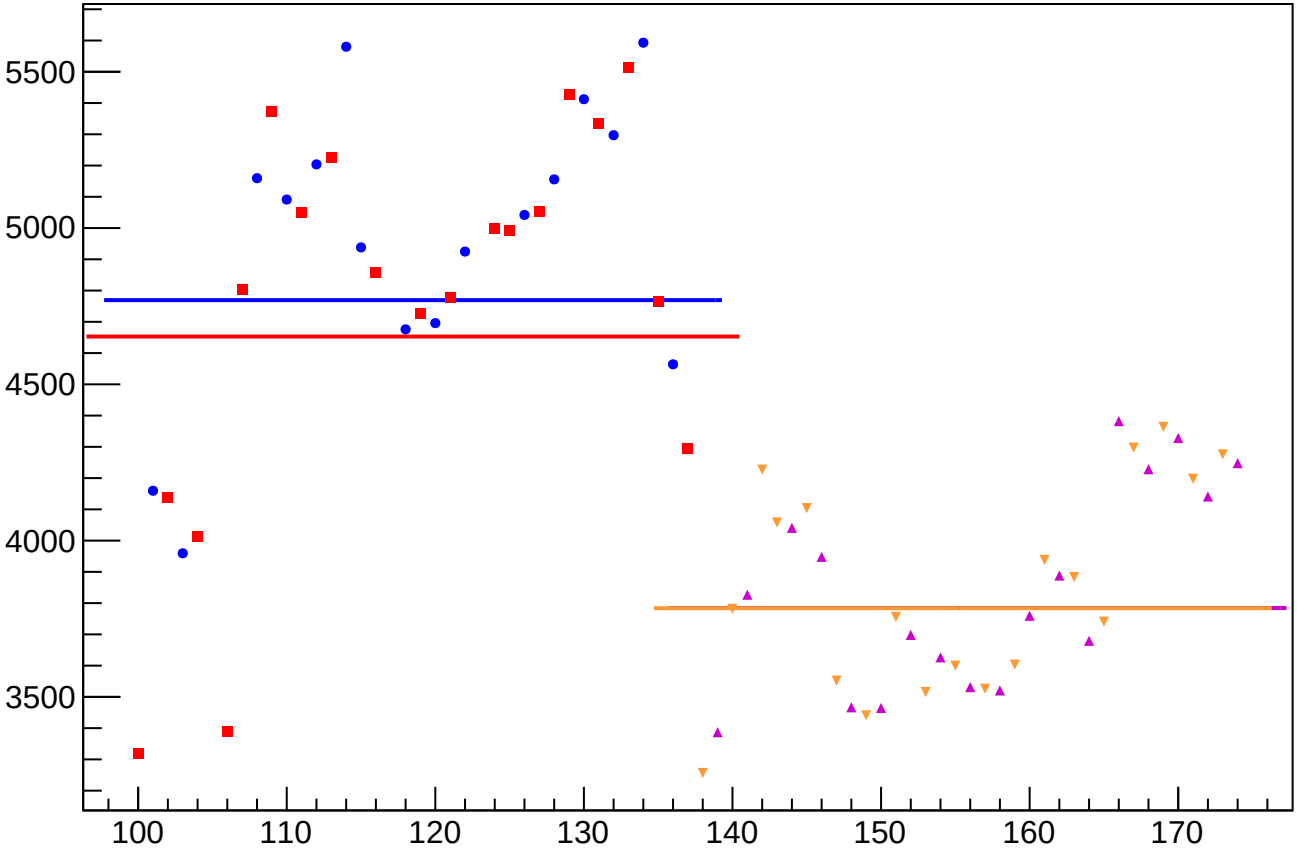
Right: 17.148+/-1.235 χ^2/NDF: 218.2/34

In: 6.799+/-0.863 χ^2/NDF:281.4/33

Out: 0.202+/-0.851 χ^2/NDF:190.1/37

All: 3.455+/-0.606 χ^2/NDF: 501.1/71

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 4769.375+/-1.260 χ^2/NDF: 151678.3/15

Left Out: 3783.657+/-0.693 χ^2/NDF:210147.0/18

Right Out: 4652.924+/-1.212 χ^2/NDF: 265116.1/18

Left In: 3784.341+/-0.697 χ^2/NDF:185584.1/17

Left: 3783.997+/-0.492 χ^2/NDF: 395731.6/36

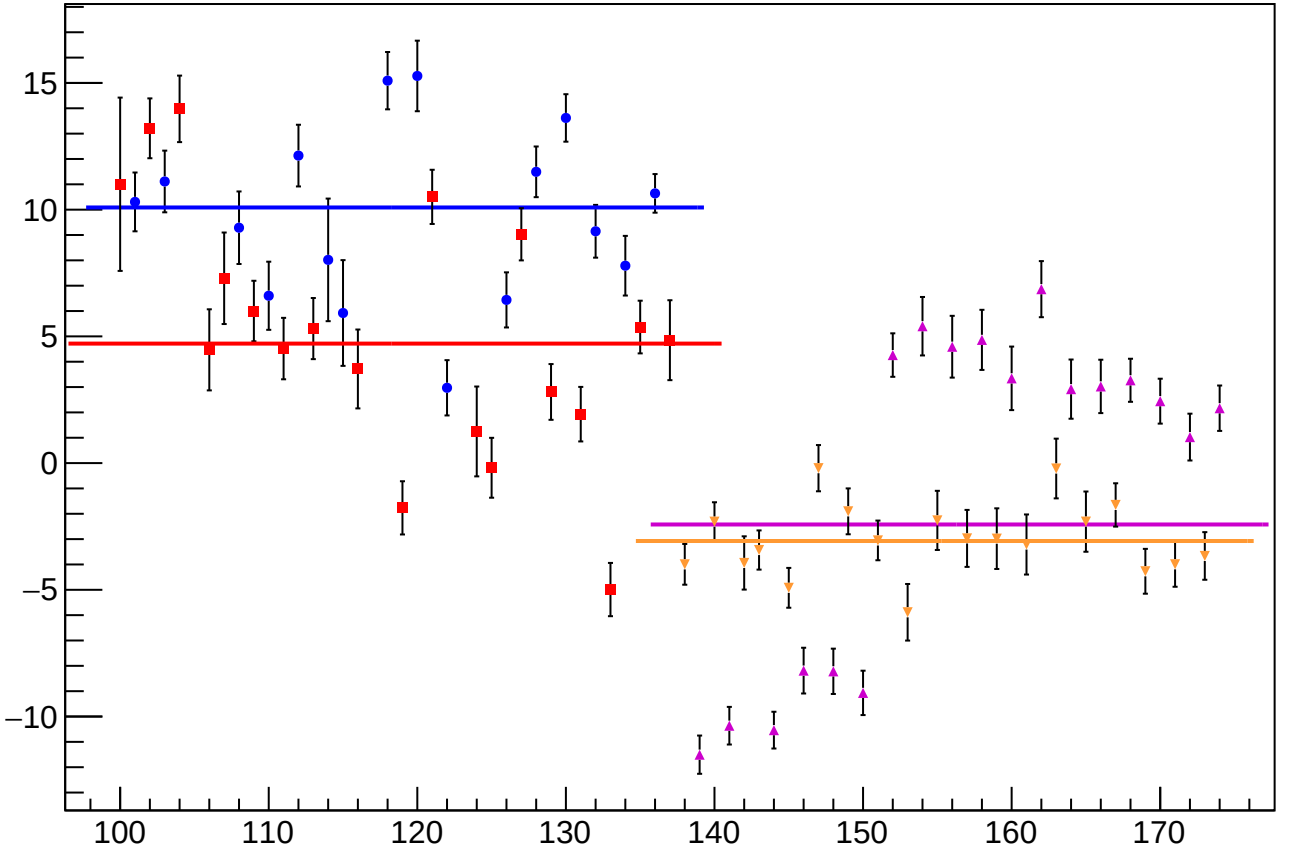
Right: 4708.872+/-0.873 χ^2/NDF: 421232.0/34

In: 4015.218+/-0.610 χ^2/NDF:805155.3/33

Out: 3998.067+/-0.602 χ^2/NDF:862986.7/37

All: 4006.526+/-0.428 χ^2/NDF: 1668542.7/71

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 10.086+/-0.288 χ^2/NDF: 123.9/15

Left Out: -3.074+/-0.215 χ^2/NDF:39.5/18

Right Out: 4.715+/-0.286 χ^2/NDF: 310.2/18

Left In: -2.422+/-0.219 χ^2/NDF:956.8/17

Left: -2.754+/-0.153 χ^2/NDF: 1000.9/36

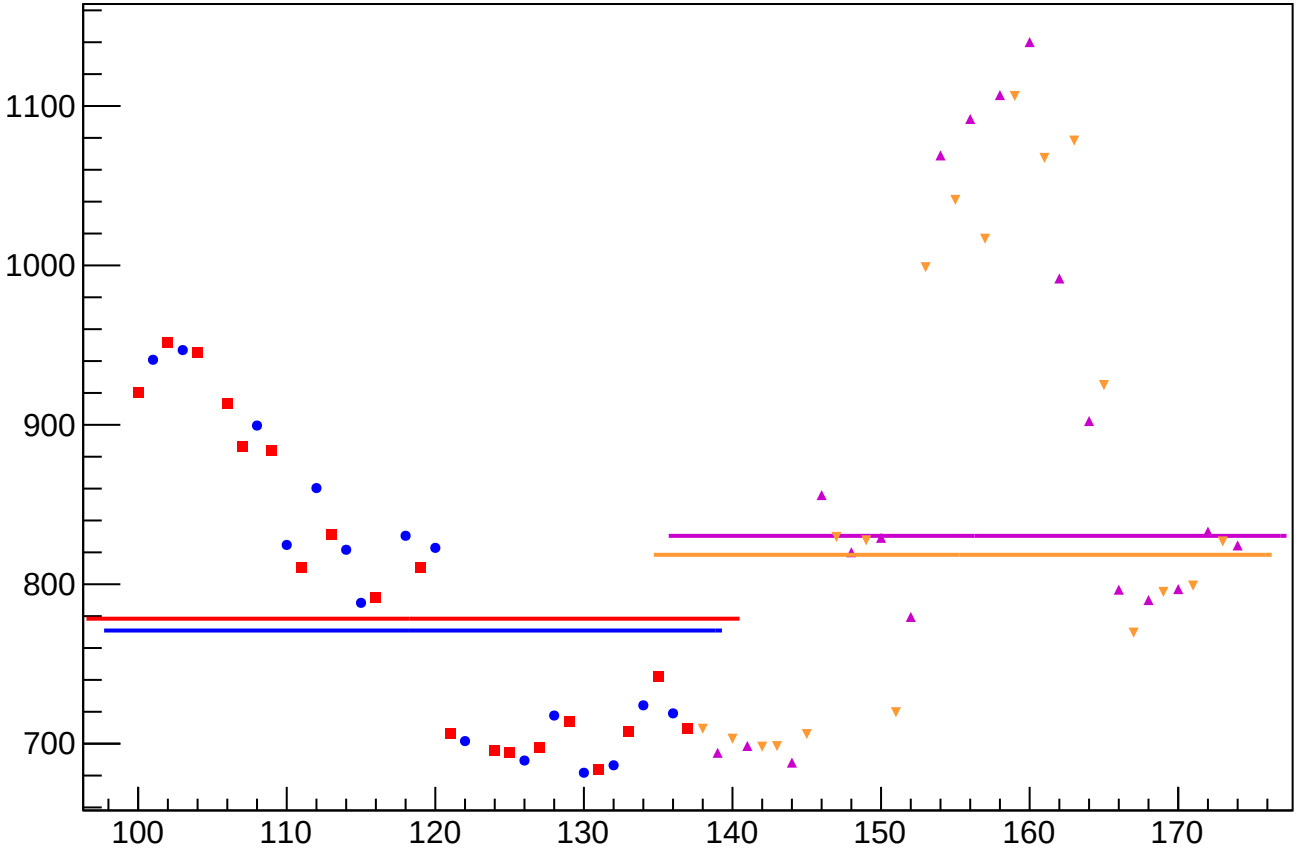
Right: 7.376+/-0.203 χ^2/NDF: 609.2/34

In: 2.144+/-0.174 χ^2/NDF:2275.4/33

Out: -0.266+/-0.172 χ^2/NDF:824.9/37

All: 0.921+/-0.122 χ^2/NDF: 3197.4/71

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 770.973+/-0.204 χ^2/NDF: 192911.9/15

Left Out: 818.473+/-0.152 χ^2/NDF:743356.8/18

Right Out: 778.394+/-0.202 χ^2/NDF: 196544.2/18

Left In: 830.363+/-0.155 χ^2/NDF:682010.0/17

Left: 824.306+/-0.108 χ^2/NDF: 1428379.1/36

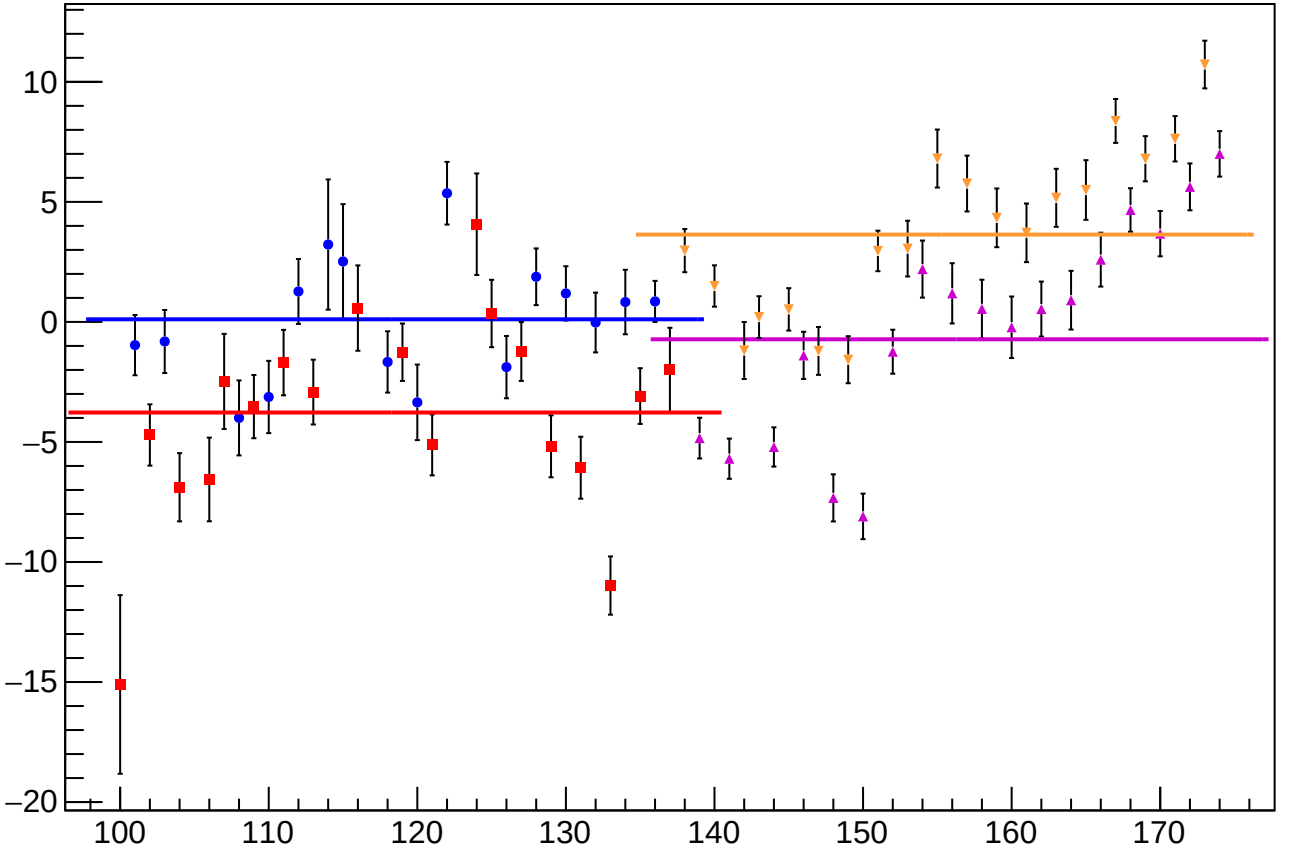
Right: 774.717+/-0.144 χ^2/NDF: 390124.3/34

In: 808.682+/-0.123 χ^2/NDF:928781.6/33

Out: 804.023+/-0.121 χ^2/NDF:965058.6/37

All: 806.317+/-0.086 χ^2/NDF: 1894566.0/71

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 0.109+/-0.330 χ^2/NDF: 45.4/15

Left Out: 3.637+/-0.232 χ^2/NDF:225.4/18

Right Out: -3.774+/-0.326 χ^2/NDF: 99.6/18

Left In: -0.724+/-0.235 χ^2/NDF:382.6/17

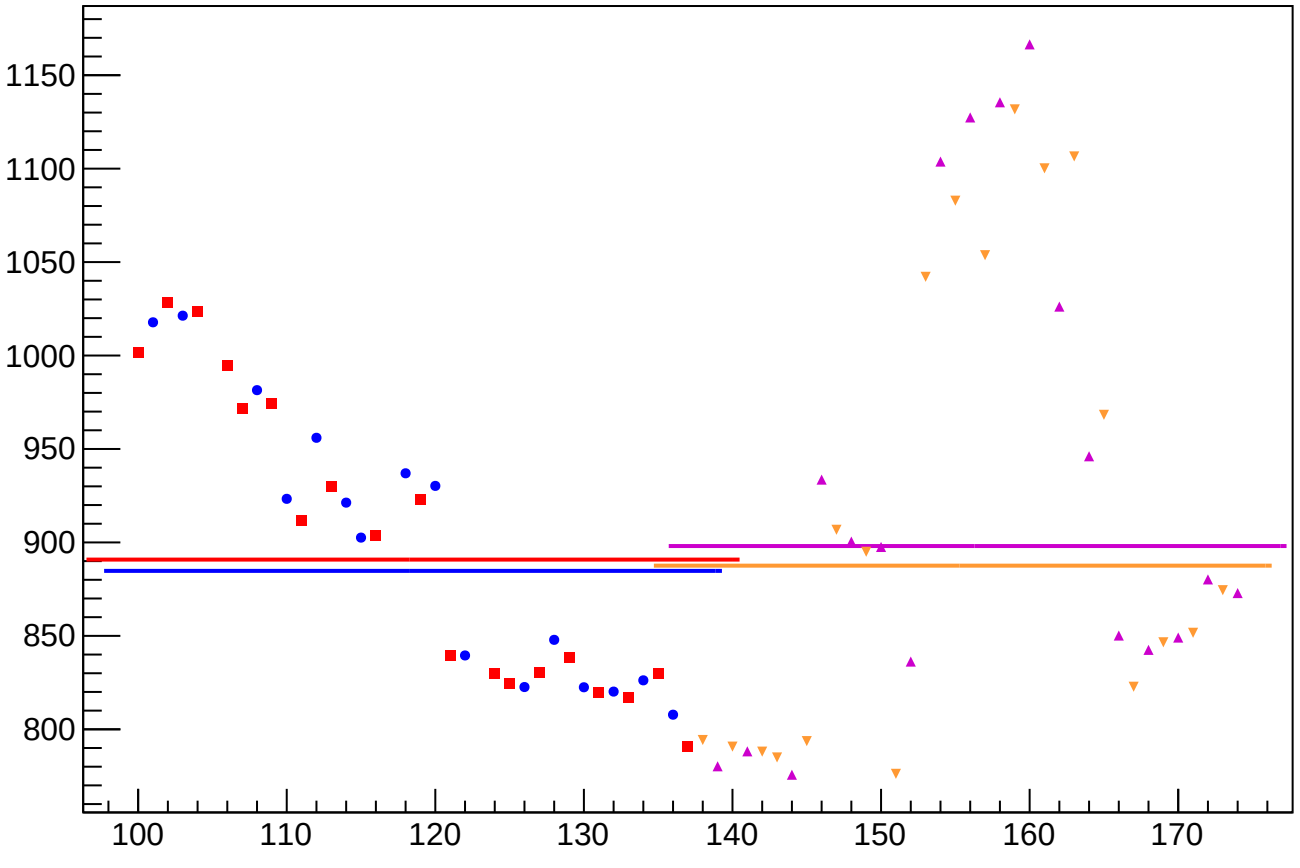
Left: 1.493+/-0.165 χ^2/NDF: 782.4/36

Right: -1.855+/-0.232 χ^2/NDF: 215.0/34

In: -0.443+/-0.192 χ^2/NDF:432.2/33

Out: 1.153+/-0.189 χ^2/NDF:668.3/37

All: 0.367+/-0.134 χ^2/NDF: 1135.7/71



Right In: 884.773+/-0.233 χ^2/NDF: 104494.1/15

Left Out: 887.570+/-0.164 χ^2/NDF:507003.8/18

Right Out: 890.815+/-0.231 χ^2/NDF: 107763.6/18

Left In: 898.065+/-0.166 χ^2/NDF:467207.5/17

Left: 892.731+/-0.117 χ^2/NDF: 976231.5/36

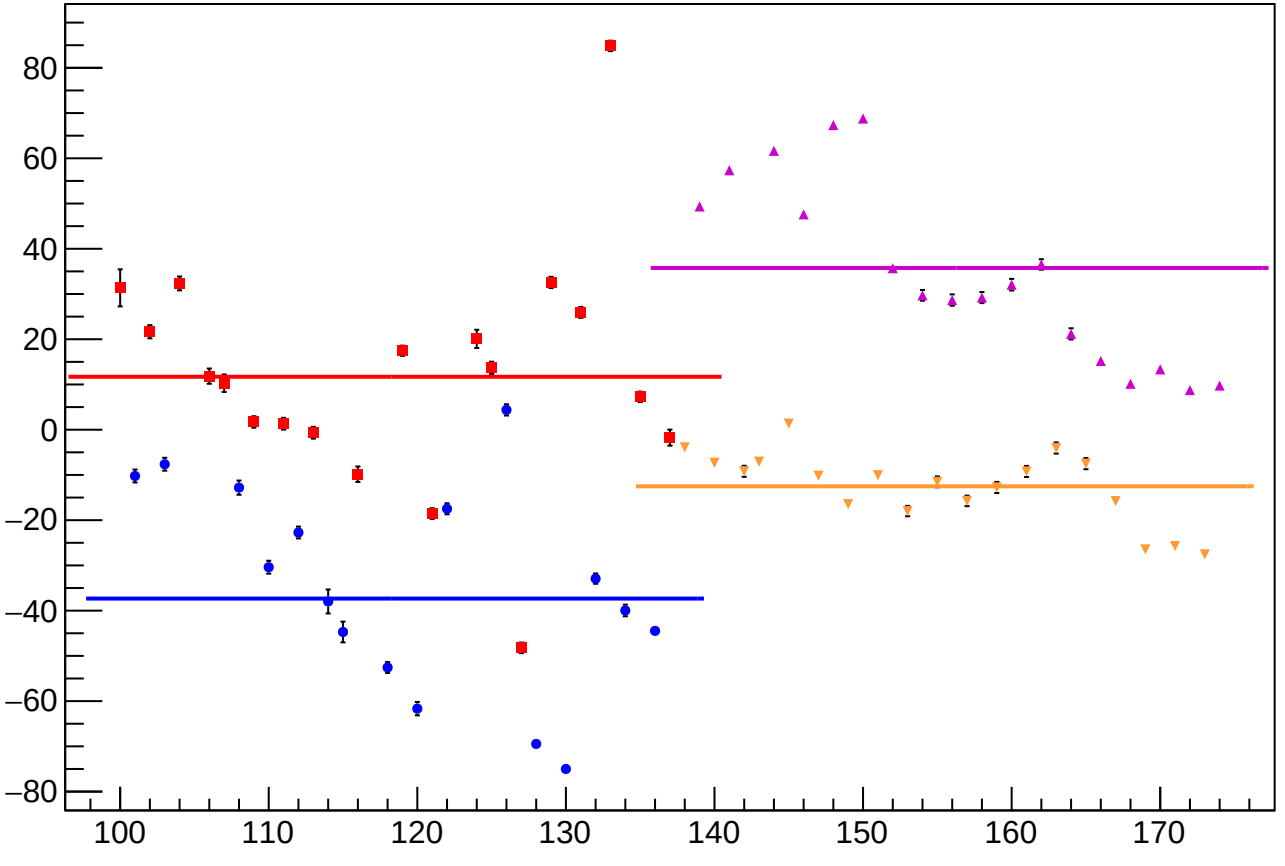
Right: 887.830+/-0.164 χ^2/NDF: 212597.1/34

In: 893.580+/-0.136 χ^2/NDF:573852.7/33

Out: 888.658+/-0.133 χ^2/NDF:614899.2/37

All: 891.082+/-0.095 χ^2/NDF: 1189421.4/71

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -37.330+/-0.322 χ^2/NDF: 5184.7/15

Left Out: -12.514+/-0.234 χ^2/NDF:1202.9/18

Right Out: 11.706+/-0.318 χ^2/NDF: 8463.6/18

Left In: 35.759+/-0.238 χ^2/NDF:7383.3/17

Left: 11.141+/-0.167 χ^2/NDF: 29484.3/36

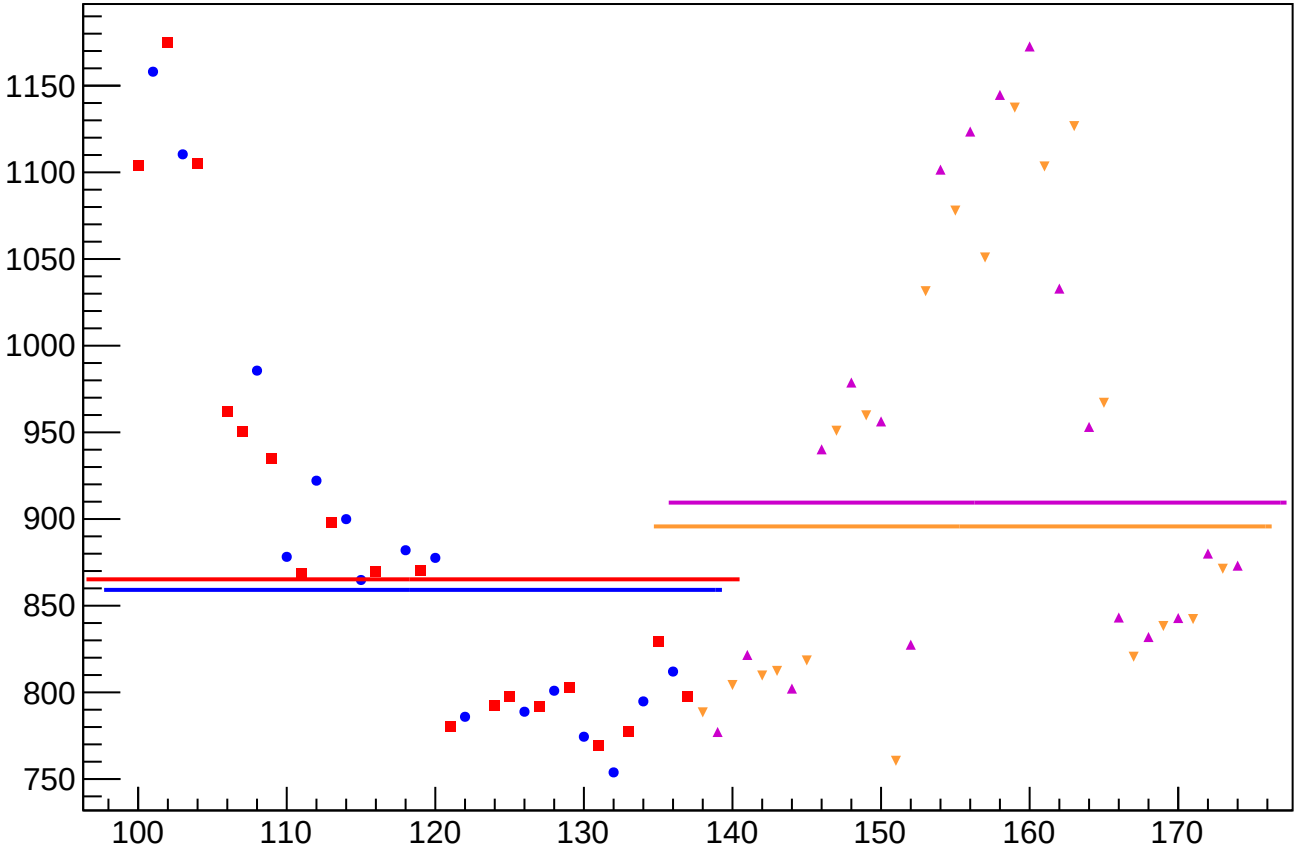
Right: -12.519+/-0.226 χ^2/NDF: 25401.8/34

In: 9.844+/-0.192 χ^2/NDF:45876.7/33

Out: -4.015+/-0.188 χ^2/NDF:13433.9/37

All: 2.796+/-0.134 χ^2/NDF: 61971.9/71

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 859.126+/-0.228 χ^2/NDF: 228710.0/15

Left Out: 895.730+/-0.165 χ^2/NDF:508625.1/18

Right Out: 865.213+/-0.225 χ^2/NDF: 223669.1/18

Left In: 909.468+/-0.169 χ^2/NDF:462819.7/17

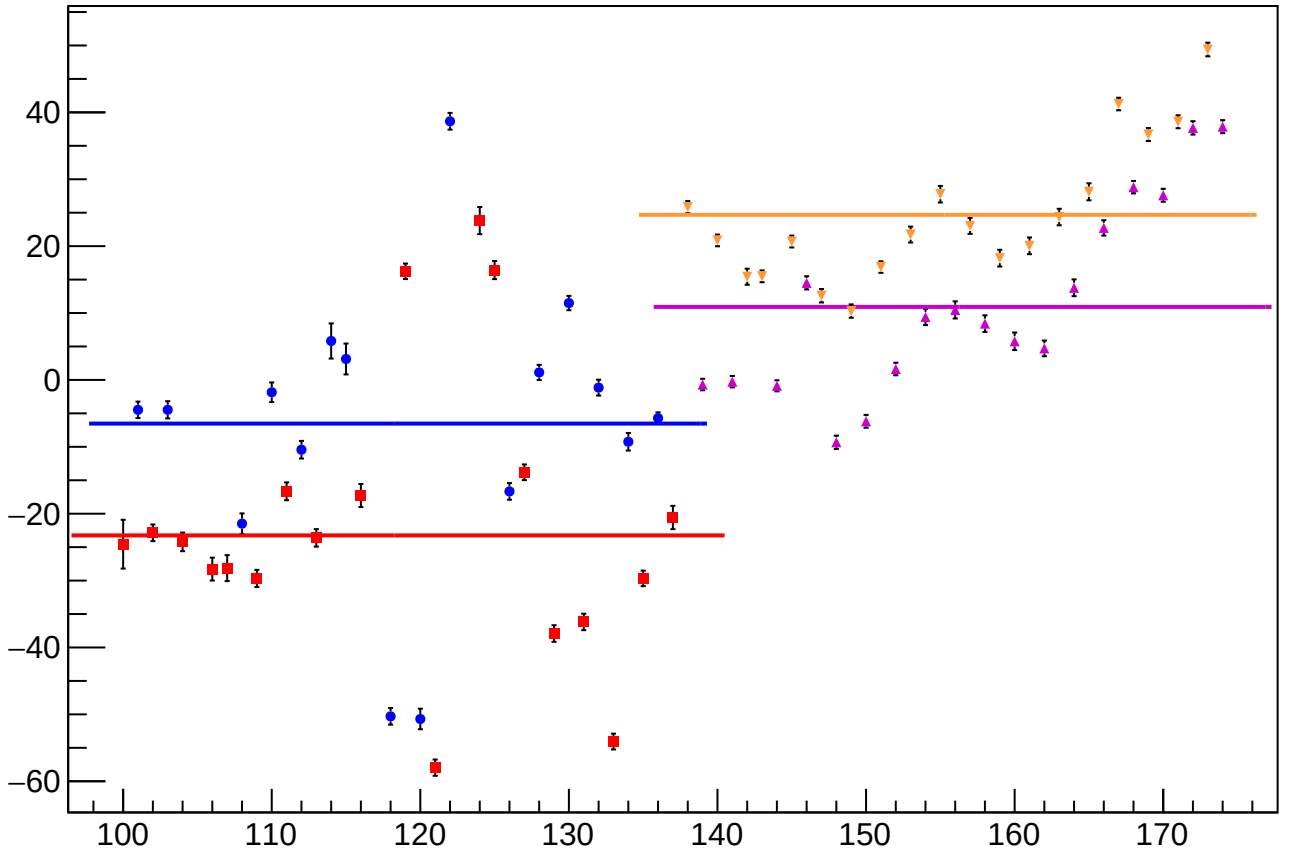
Left: 902.462+/-0.118 χ^2/NDF: 974829.9/36

Right: 862.206+/-0.160 χ^2/NDF: 452741.3/34

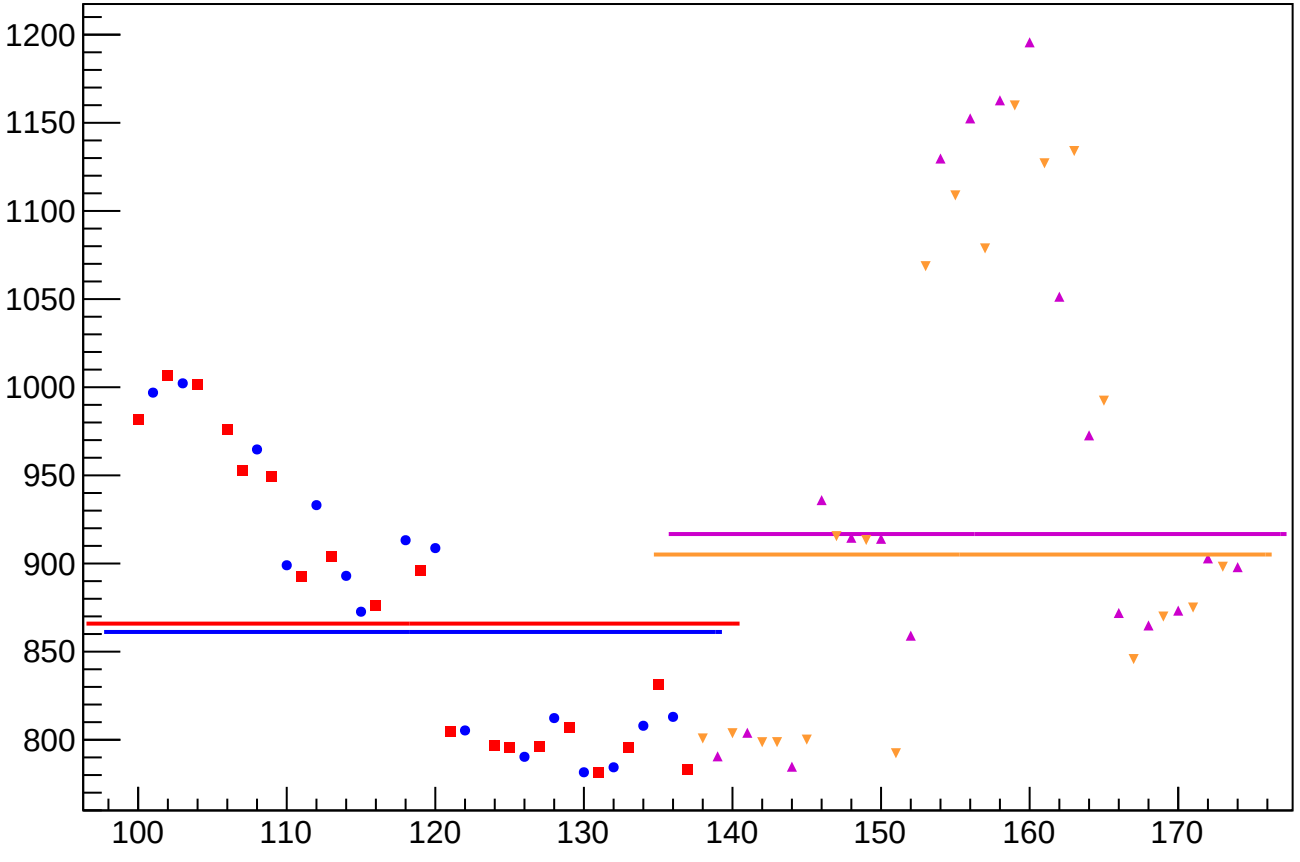
In: 891.618+/-0.135 χ^2/NDF:723133.8/33

Out: 885.021+/-0.133 χ^2/NDF:744255.9/37

All: 888.263+/-0.095 χ^2/NDF: 1468595.8/71


diff_bpm2i02Y_mean vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
110
120
130
140
150
160
170
Right In: -6.529+/-0.321 χ²/NDF: 3946.1/15
Left Out: 24.681+/-0.236 χ²/NDF:1960.9/18
Right Out: -23.244+/-0.317 χ²/NDF: 4470.0/18
Left In: 10.915+/-0.240 χ²/NDF:3696.7/17
Left: 17.917+/-0.168 χ²/NDF: 7326.7/36
Right: -14.995+/-0.226 χ²/NDF: 9787.9/34
In: 4.654+/-0.192 χ²/NDF:9533.6/33
Out: 7.573+/-0.189 χ²/NDF:21126.0/37
All: 6.136+/-0.135 χ²/NDF: 30776.5/71

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 861.169+/-0.227 χ^2/NDF: 113529.7/15

Left Out: 905.100+/-0.167 χ^2/NDF:530897.4/18

Right Out: 865.907+/-0.224 χ^2/NDF: 118418.0/18

Left In: 916.720+/-0.170 χ^2/NDF:479316.0/17

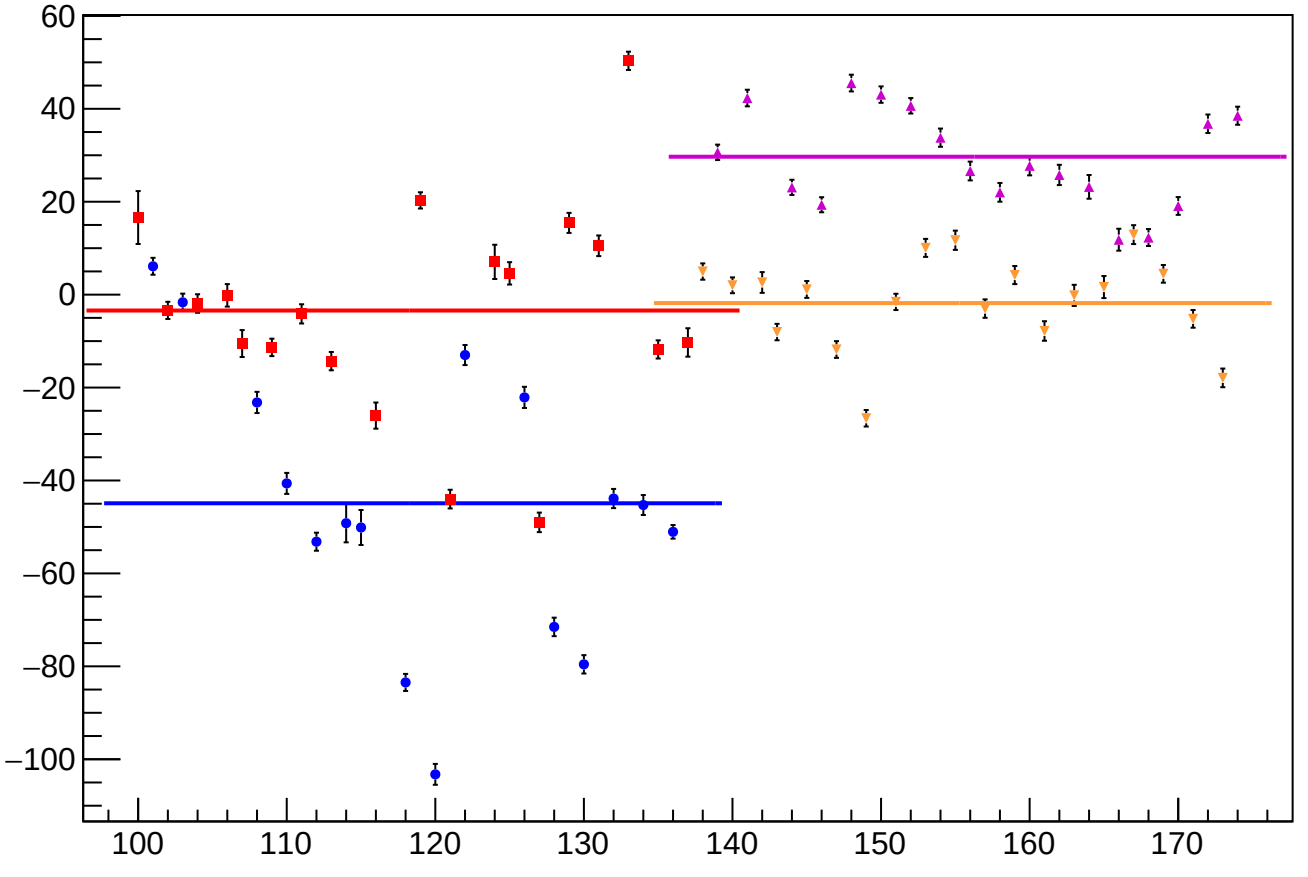
Left: 910.810+/-0.119 χ^2/NDF: 1012591.5/36

Right: 863.569+/-0.160 χ^2/NDF: 232168.2/34

In: 896.781+/-0.136 χ^2/NDF:631198.1/33

Out: 891.109+/-0.134 χ^2/NDF:668971.5/37

All: 893.900+/-0.095 χ^2/NDF: 1301052.3/71



Right In: -44.905+/-0.520 χ^2/NDF: 3377.6/15

Left Out: -1.814+/-0.443 χ^2/NDF:496.3/18

Right Out: -3.416+/-0.509 χ^2/NDF: 2102.1/18

Left In: 29.687+/-0.445 χ^2/NDF:529.1/17

Left: 13.837+/-0.314 χ^2/NDF: 3541.6/36

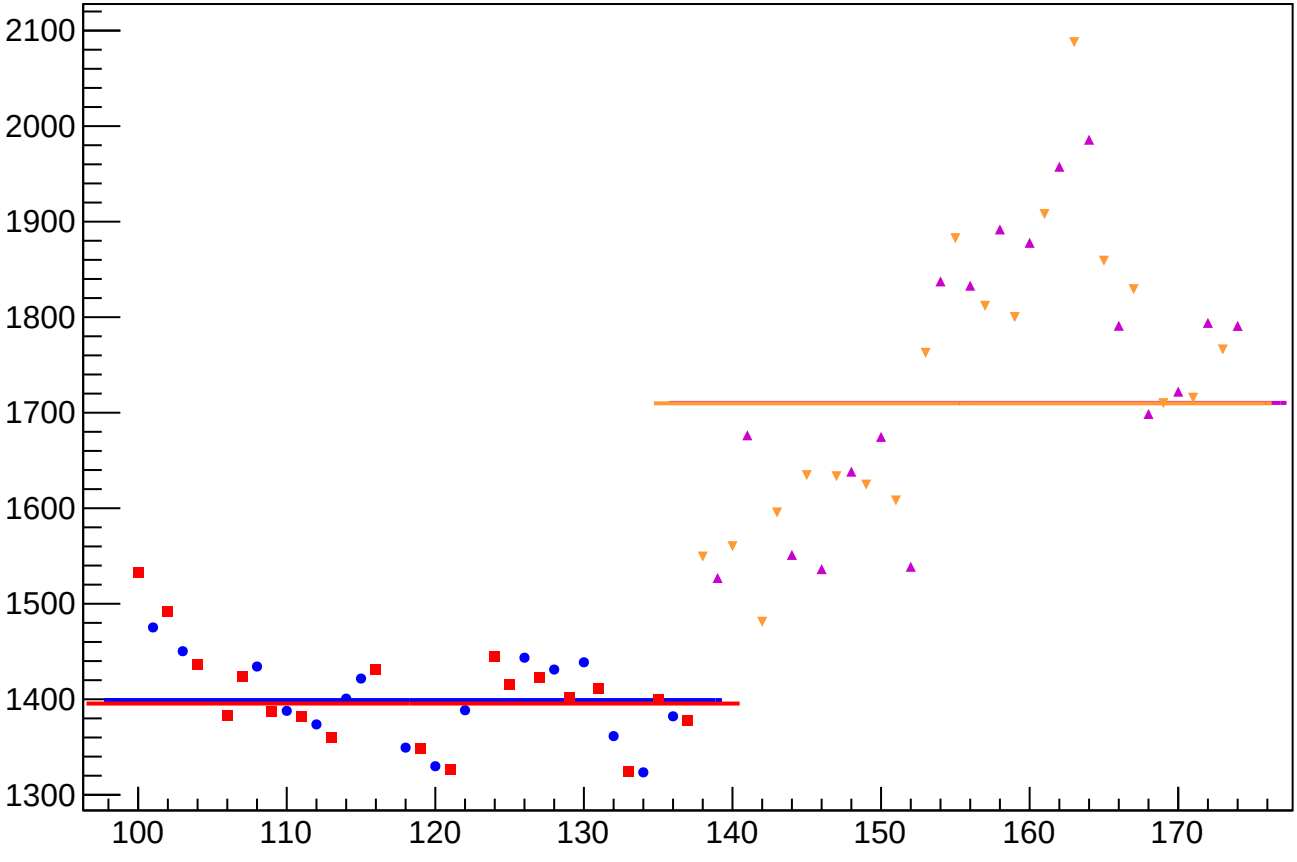
Right: -23.727+/-0.364 χ^2/NDF: 8730.3/34

In: -1.890+/-0.338 χ^2/NDF:15777.2/33

Out: -2.503+/-0.334 χ^2/NDF:2604.0/37

All: -2.201+/-0.238 χ^2/NDF: 18382.9/71

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1399.172+/-0.368 χ^2/NDF: 14844.1/15

Left Out: 1709.824+/-0.313 χ^2/NDF:194351.7/18

Right Out: 1395.546+/-0.360 χ^2/NDF: 16240.9/18

Left In: 1710.259+/-0.315 χ^2/NDF:196076.2/17

Left: 1710.040+/-0.222 χ^2/NDF: 390428.9/36

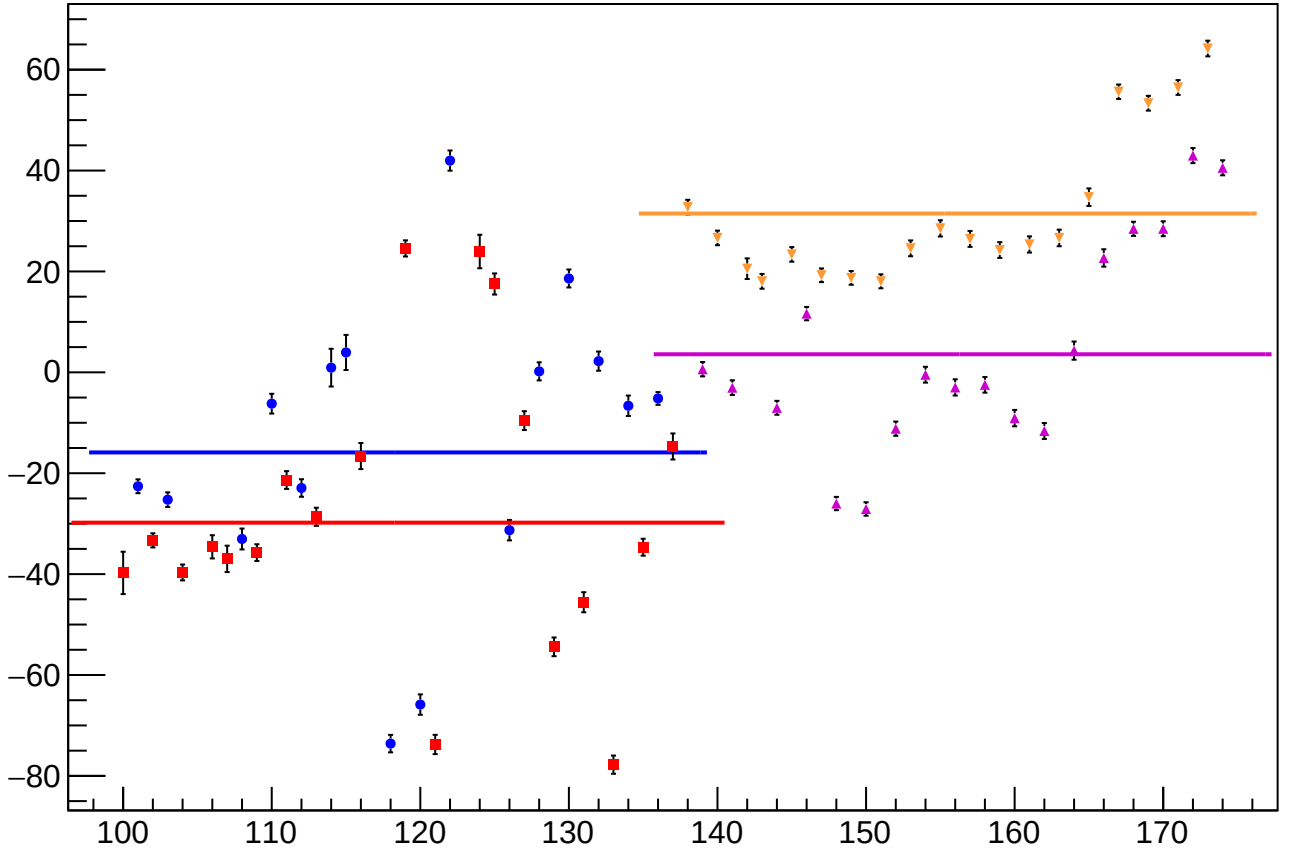
Right: 1397.321+/-0.257 χ^2/NDF: 31134.7/34

In: 1578.565+/-0.239 χ^2/NDF:623854.9/33

Out: 1574.542+/-0.236 χ^2/NDF:644588.7/37

All: 1576.528+/-0.168 χ^2/NDF: 1268586.8/71

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -15.878+/-0.455 χ^2/NDF: 3477.8/15

Left Out: 31.483+/-0.348 χ^2/NDF:1735.3/18

Right Out: -29.801+/-0.444 χ^2/NDF: 3681.2/18

Left In: 3.582+/-0.350 χ^2/NDF:3478.6/17

Left: 17.584+/-0.247 χ^2/NDF: 8412.1/36

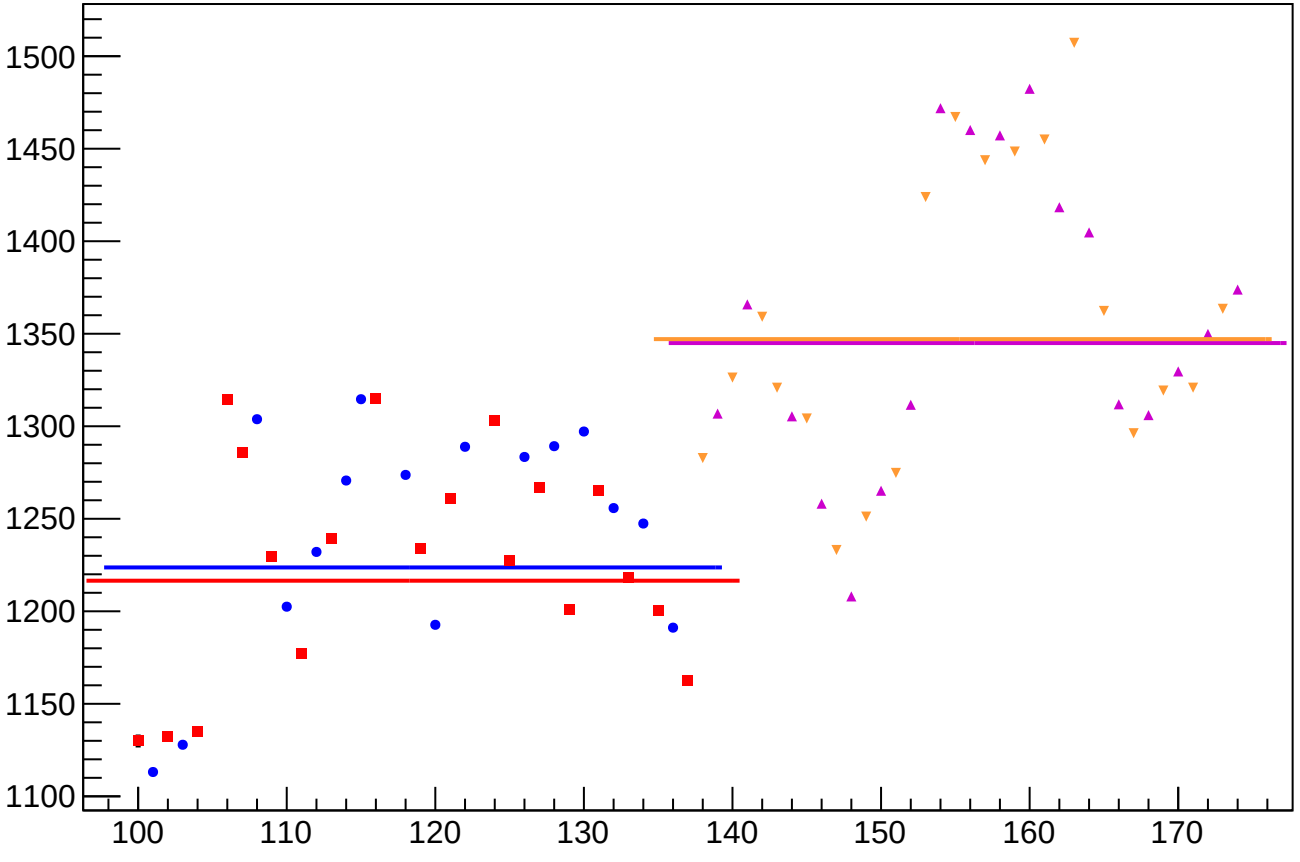
Right: -23.008+/-0.318 χ^2/NDF: 7638.0/34

In: -3.635+/-0.277 χ^2/NDF:8106.0/33

Out: 8.167+/-0.274 χ^2/NDF:17200.6/37

All: 2.334+/-0.195 χ^2/NDF: 26223.1/71

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1223.702+/-0.322 χ^2/NDF: 40883.8/15

Left Out: 1347.095+/-0.246 χ^2/NDF:100227.2/18

Right Out: 1216.533+/-0.314 χ^2/NDF: 29381.0/18

Left In: 1344.967+/-0.247 χ^2/NDF:99797.2/17

Left: 1346.035+/-0.174 χ^2/NDF: 200061.6/36

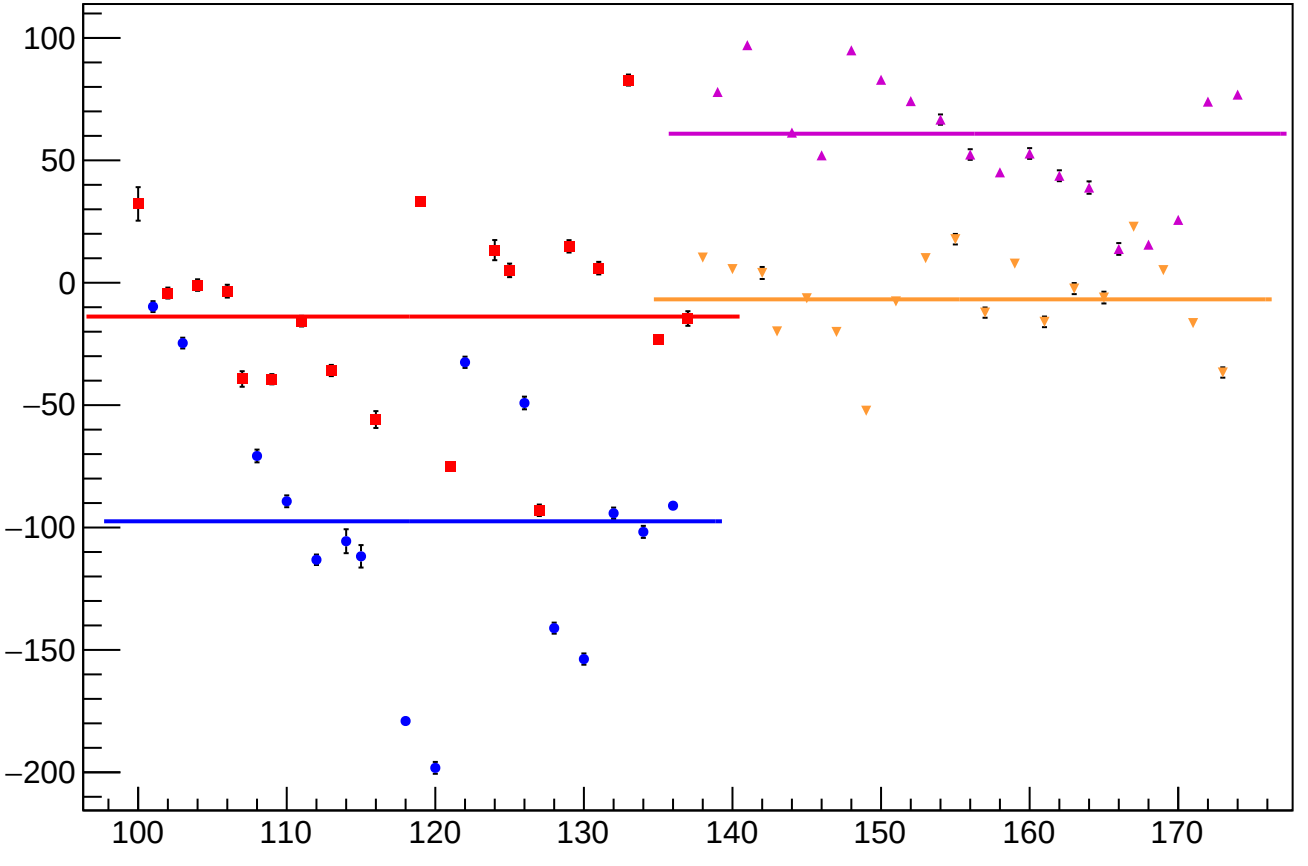
Right: 1220.031+/-0.225 χ^2/NDF: 70518.8/34

In: 1299.997+/-0.196 χ^2/NDF:229965.4/33

Out: 1297.421+/-0.194 χ^2/NDF:236578.8/37

All: 1298.694+/-0.138 χ^2/NDF: 466631.5/71

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -97.455+/-0.579 χ^2/NDF: 8300.2/15

Left Out: -6.782+/-0.455 χ^2/NDF:1666.1/18

Right Out: -13.816+/-0.566 χ^2/NDF: 5352.2/18

Left In: 60.880+/-0.460 χ^2/NDF:2715.8/17

Left: 26.724+/-0.323 χ^2/NDF: 15325.4/36

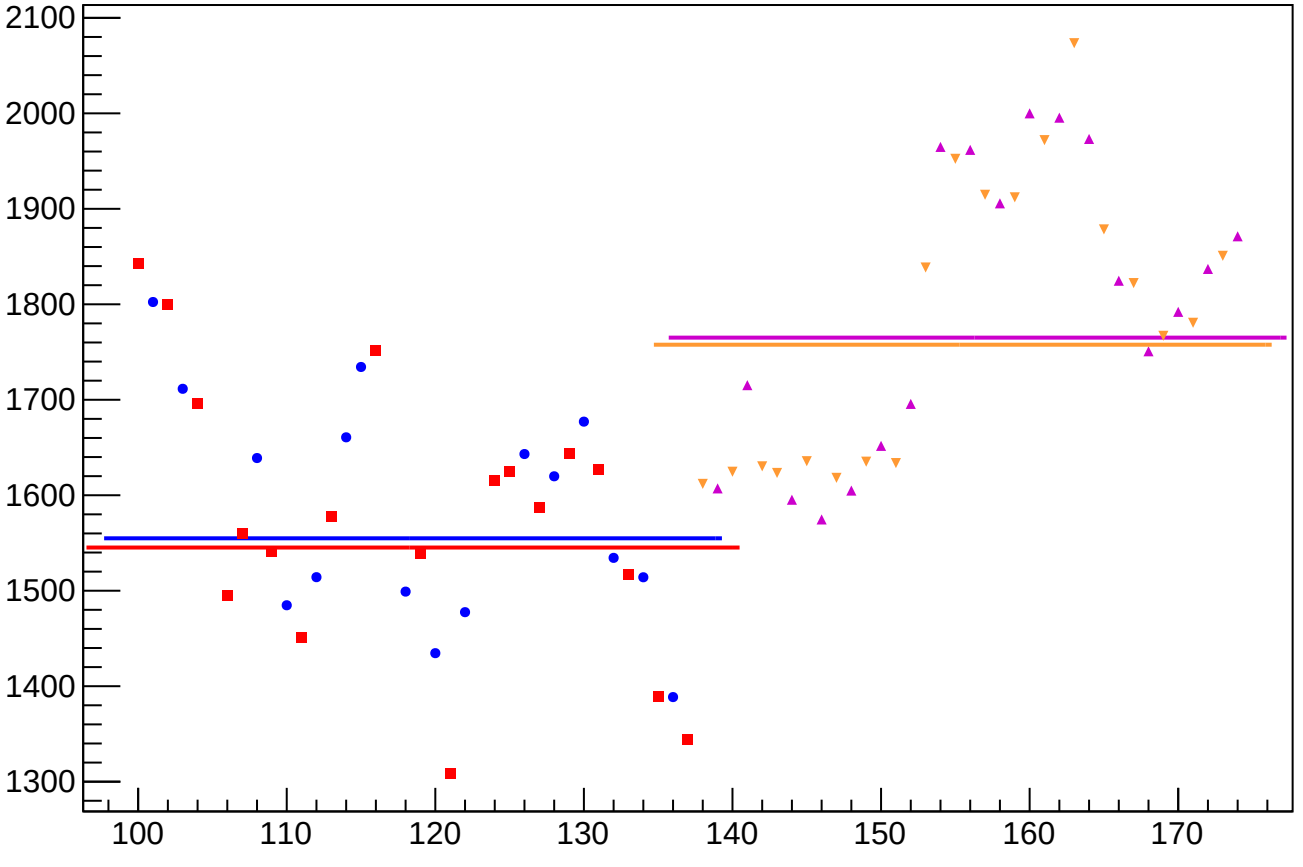
Right: -54.632+/-0.405 χ^2/NDF: 24320.8/34

In: -0.260+/-0.360 χ^2/NDF:56855.1/33

Out: -9.547+/-0.355 χ^2/NDF:7112.1/37

All: -4.974+/-0.253 χ^2/NDF: 64305.0/71

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1554.908+/-0.410 χ^2/NDF: 87920.1/15

Left Out: 1757.671+/-0.322 χ^2/NDF:192793.1/18

Right Out: 1545.239+/-0.400 χ^2/NDF: 108789.4/18

Left In: 1765.085+/-0.325 χ^2/NDF:204378.3/17

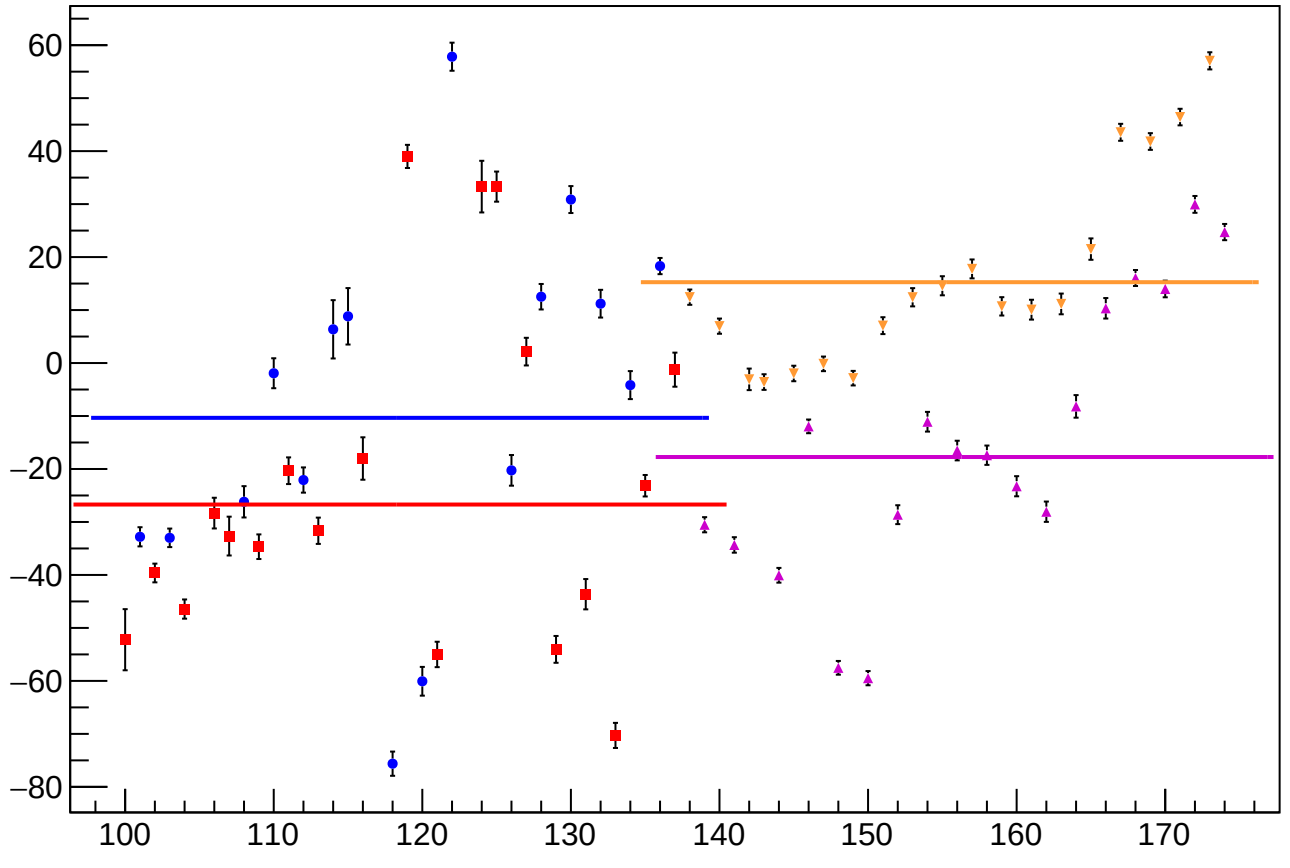
Left: 1761.342+/-0.229 χ^2/NDF: 397434.2/36

Right: 1549.957+/-0.286 χ^2/NDF: 196994.7/34

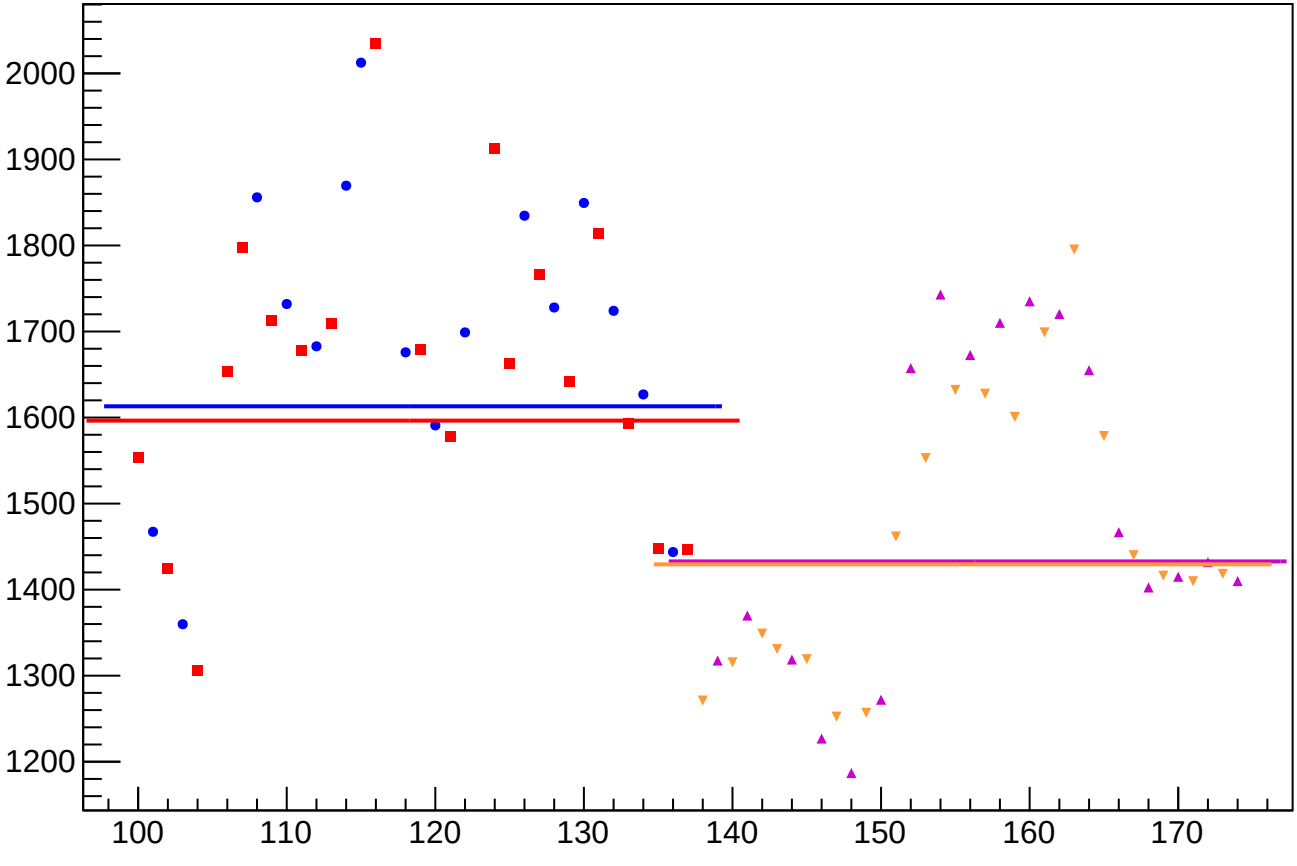
In: 1683.927+/-0.255 χ^2/NDF:453837.3/33

Out: 1674.186+/-0.251 χ^2/NDF:472794.6/37

All: 1678.982+/-0.179 χ^2/NDF: 927375.1/71


diff_bpm0i02aY_mean vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: -10.345+/-0.603 χ²/NDF: 3007.0/15
Left Out: 15.260+/-0.371 χ²/NDF:2438.2/18
Right Out: -26.709+/-0.586 χ²/NDF: 2540.7/18
Left In: -17.740+/-0.375 χ²/NDF:5289.7/17
Left: -1.080+/-0.264 χ²/NDF: 11639.1/36
Right: -18.758+/-0.420 χ²/NDF: 5926.2/34
In: -15.679+/-0.318 χ²/NDF:8405.1/33
Out: 3.248+/-0.314 χ²/NDF:8635.9/37
All: -6.074+/-0.223 χ²/NDF: 18833.9/71

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1613.094+/-0.426 χ^2/NDF: 154710.6/15

Left Out: 1429.366+/-0.263 χ^2/NDF:328357.4/18

Right Out: 1596.442+/-0.415 χ^2/NDF: 160714.8/18

Left In: 1432.808+/-0.265 χ^2/NDF:467723.7/17

Left: 1431.070+/-0.187 χ^2/NDF: 796166.2/36

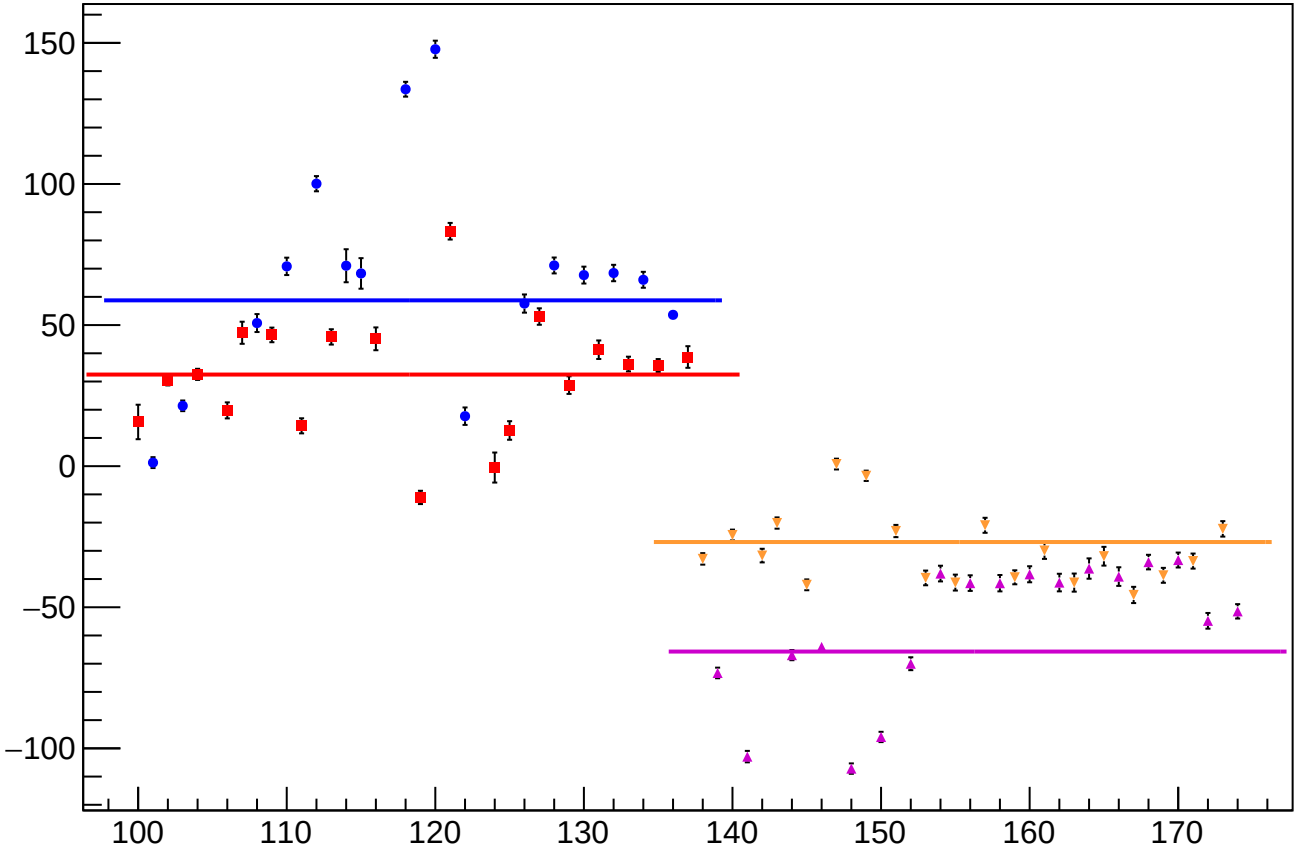
Right: 1604.533+/-0.297 χ^2/NDF: 316209.2/34

In: 1483.055+/-0.225 χ^2/NDF:751328.7/33

Out: 1477.186+/-0.222 χ^2/NDF:604975.8/37

All: 1480.077+/-0.158 χ^2/NDF: 1356649.3/71

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 58.761+/-0.672 χ^2/NDF: 3443.3/15

Left Out: -26.880+/-0.542 χ^2/NDF:638.9/18

Right Out: 32.467+/-0.648 χ^2/NDF: 930.8/18

Left In: -65.699+/-0.552 χ^2/NDF:2018.6/17

Left: -45.946+/-0.387 χ^2/NDF: 5177.4/36

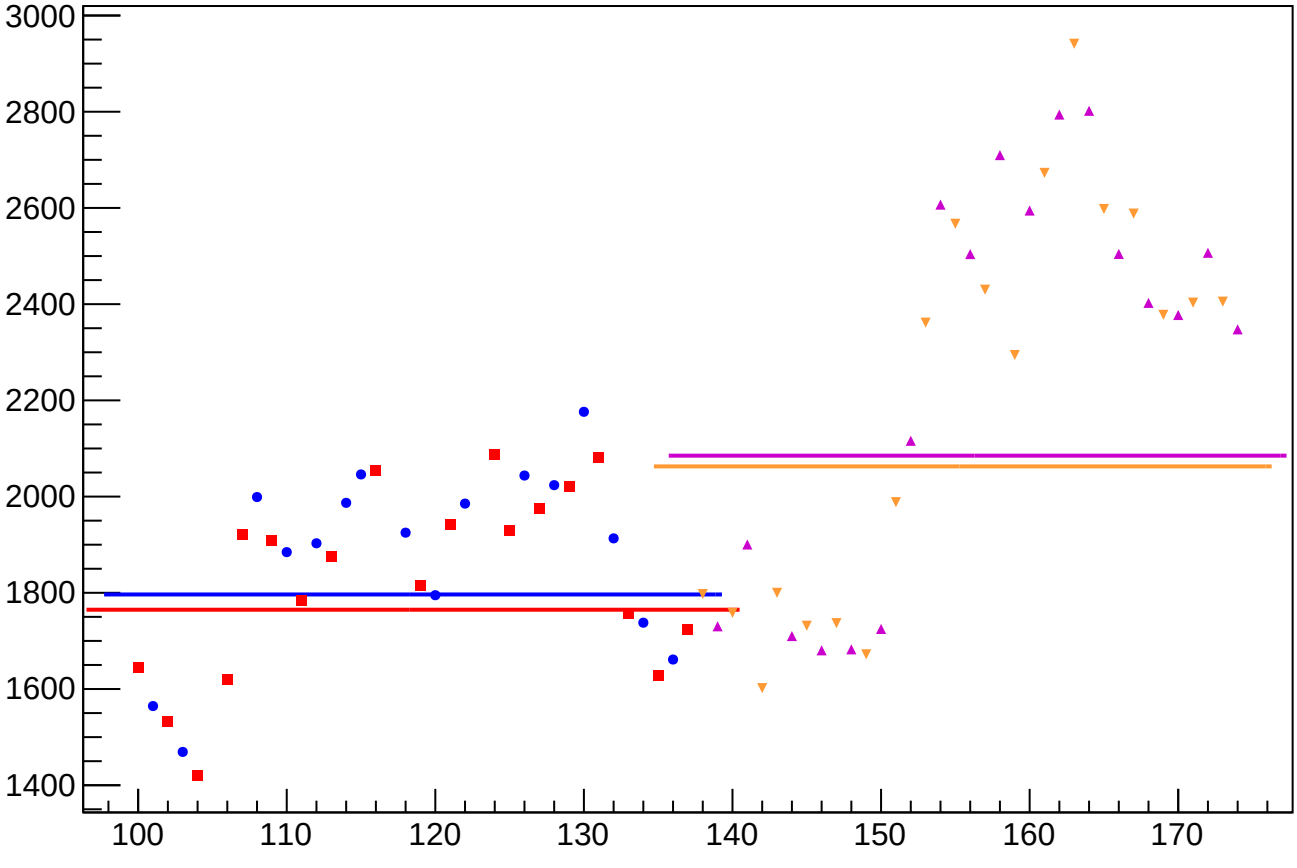
Right: 45.136+/-0.467 χ^2/NDF: 5166.5/34

In: -15.635+/-0.426 χ^2/NDF:25938.6/33

Out: -2.473+/-0.416 χ^2/NDF:6501.2/37

All: -8.888+/-0.298 χ^2/NDF: 32928.1/71

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1796.555+/-0.475 χ^2/NDF: 193171.9/15

Left Out: 2062.785+/-0.383 χ^2/NDF:994260.6/18

Right Out: 1764.860+/-0.459 χ^2/NDF: 189987.9/18

Left In: 2085.081+/-0.390 χ^2/NDF:1061934.2/17

Left: 2073.736+/-0.273 χ^2/NDF: 2057857.3/36

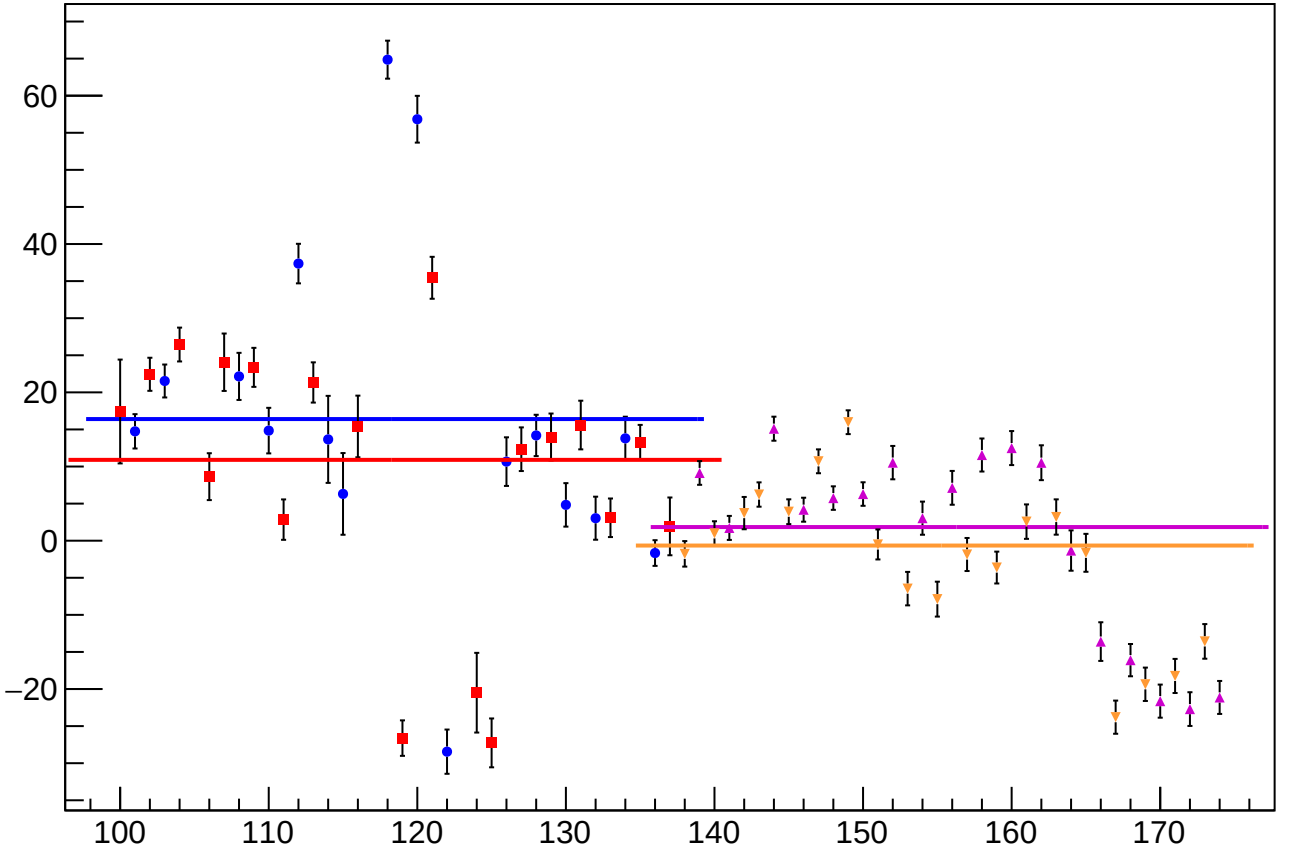
Right: 1780.131+/-0.330 χ^2/NDF: 385462.0/34

In: 1969.021+/-0.302 χ^2/NDF:1475194.9/33

Out: 1940.260+/-0.294 χ^2/NDF:1432807.5/37

All: 1954.277+/-0.211 χ^2/NDF: 2912664.9/71

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 16.400+/-0.695 χ^2/NDF: 973.0/15

Left Out: -0.654+/-0.459 χ^2/NDF:475.9/18

Right Out: 10.899+/-0.676 χ^2/NDF: 641.7/18

Left In: 1.840+/-0.467 χ^2/NDF:617.1/17

Left: 0.570+/-0.327 χ^2/NDF: 1107.5/36

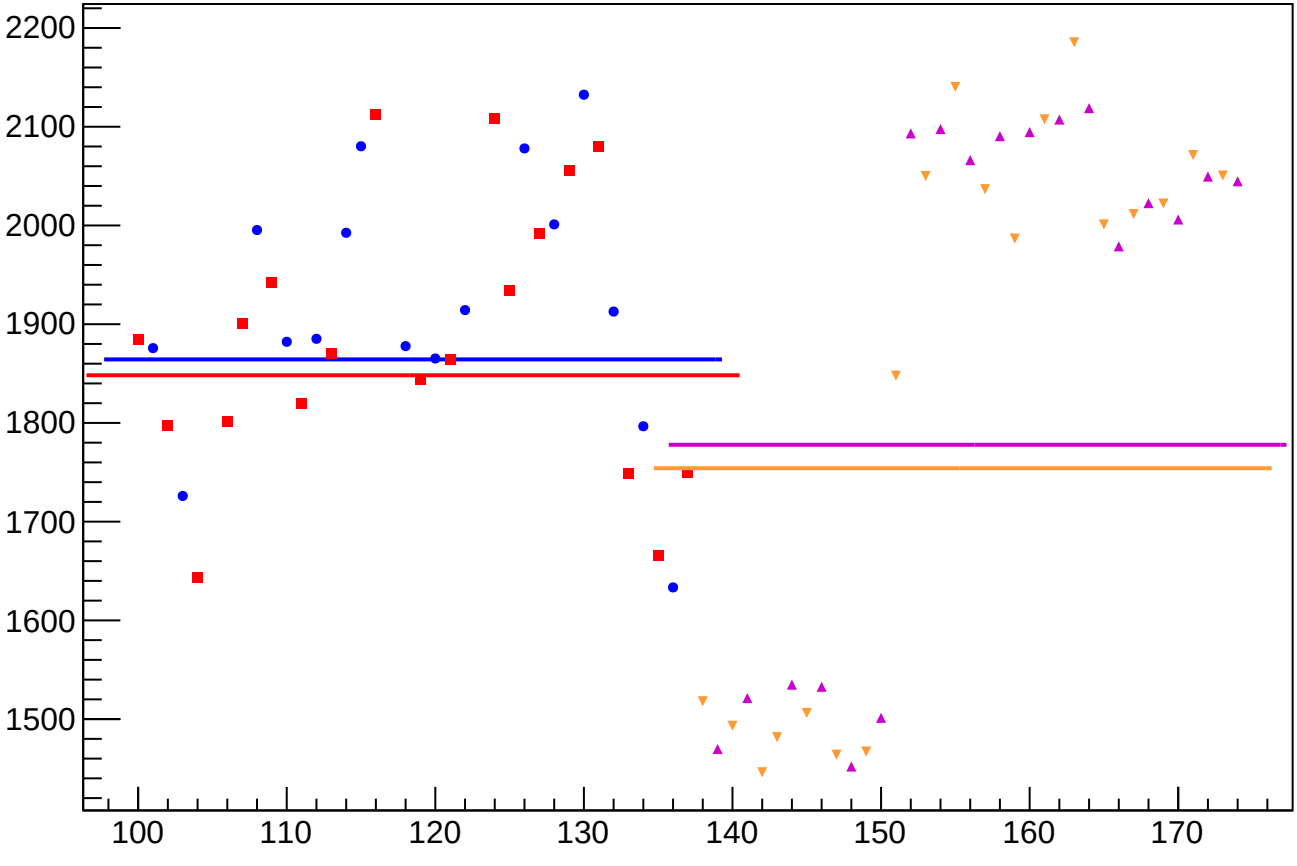
Right: 13.575+/-0.485 χ^2/NDF: 1646.8/34

In: 6.369+/-0.388 χ^2/NDF:1892.4/33

Out: 2.985+/-0.380 χ^2/NDF:1317.6/37

All: 4.642+/-0.271 χ^2/NDF: 3248.9/71

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1864.335+/-0.491 χ^2/NDF: 83311.5/15

Left Out: 1754.112+/-0.324 χ^2/NDF:761109.9/18

Right Out: 1848.284+/-0.478 χ^2/NDF: 74956.9/18

Left In: 1777.877+/-0.330 χ^2/NDF:736876.2/17

Left: 1765.780+/-0.231 χ^2/NDF: 1500622.6/36

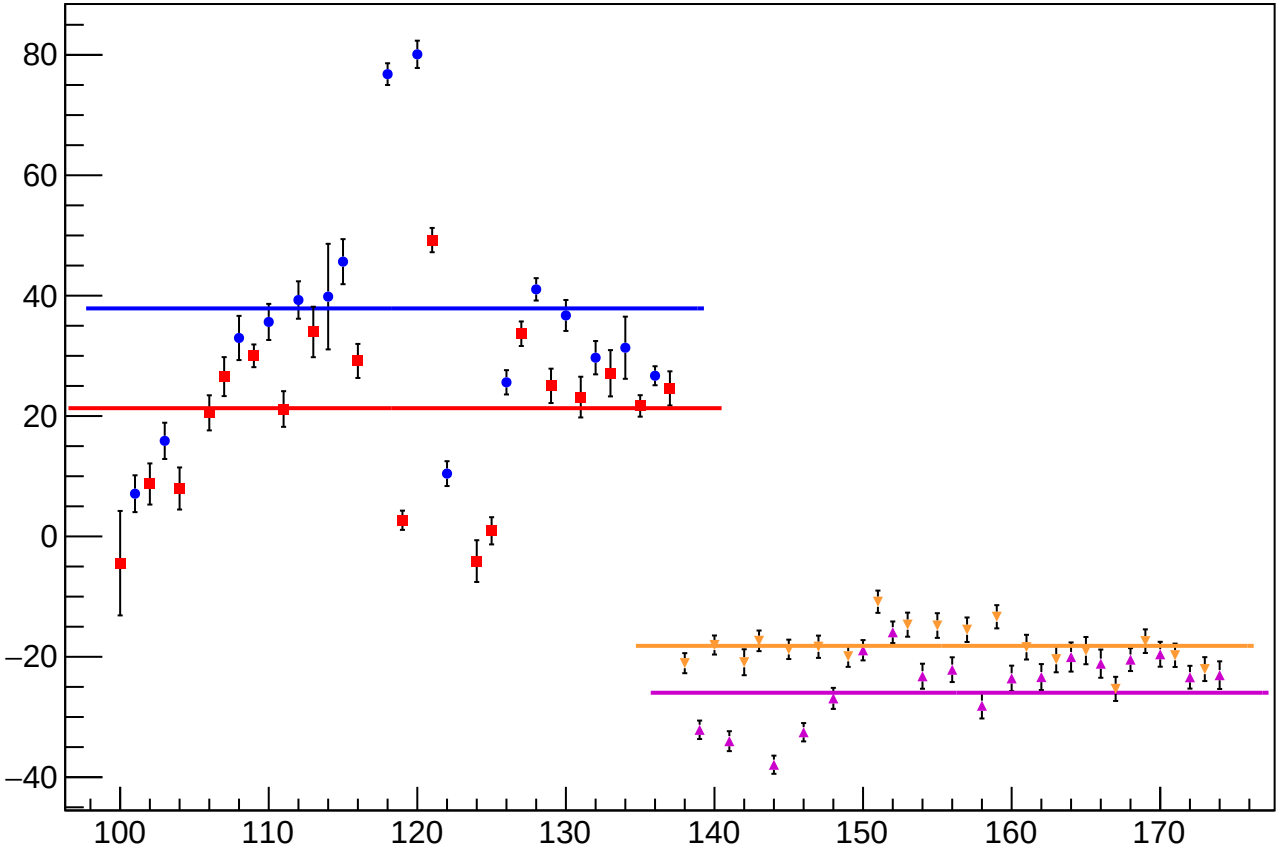
Right: 1856.091+/-0.343 χ^2/NDF: 158816.4/34

In: 1804.773+/-0.274 χ^2/NDF:841511.8/33

Out: 1783.780+/-0.268 χ^2/NDF:862632.2/37

All: 1794.056+/-0.192 χ^2/NDF: 1707138.7/71

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 37.880+/-0.622 χ^2/NDF: 1249.8/15

Left Out: -18.179+/-0.435 χ^2/NDF:54.0/18

Right Out: 21.306+/-0.593 χ^2/NDF: 582.6/18

Left In: -25.969+/-0.442 χ^2/NDF:211.2/17

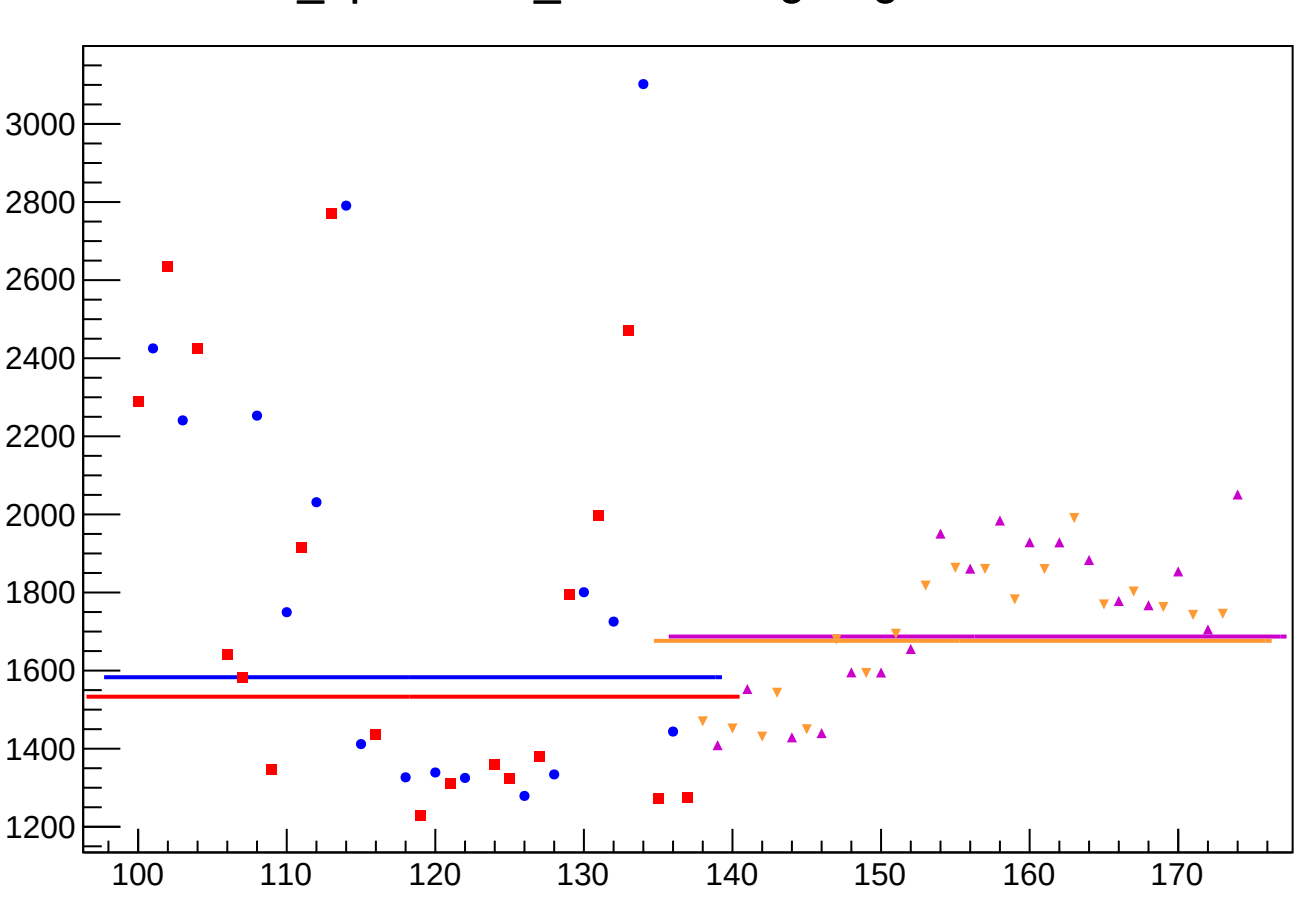
Left: -22.012+/-0.310 χ^2/NDF: 422.8/36

Right: 29.192+/-0.429 χ^2/NDF: 2204.2/34

In: -4.548+/-0.360 χ^2/NDF:8455.0/33

Out: -4.357+/-0.351 χ^2/NDF:3518.8/37

All: -4.450+/-0.251 χ^2/NDF: 11973.9/71



Right In: 1583.050+/-0.440 χ^2/NDF: 787672.4/15

Left Out: 1676.276+/-0.308 χ^2/NDF:280073.3/18

Right Out: 1533.190+/-0.419 χ^2/NDF: 950777.4/18

Left In: 1687.205+/-0.313 χ^2/NDF:422613.2/17

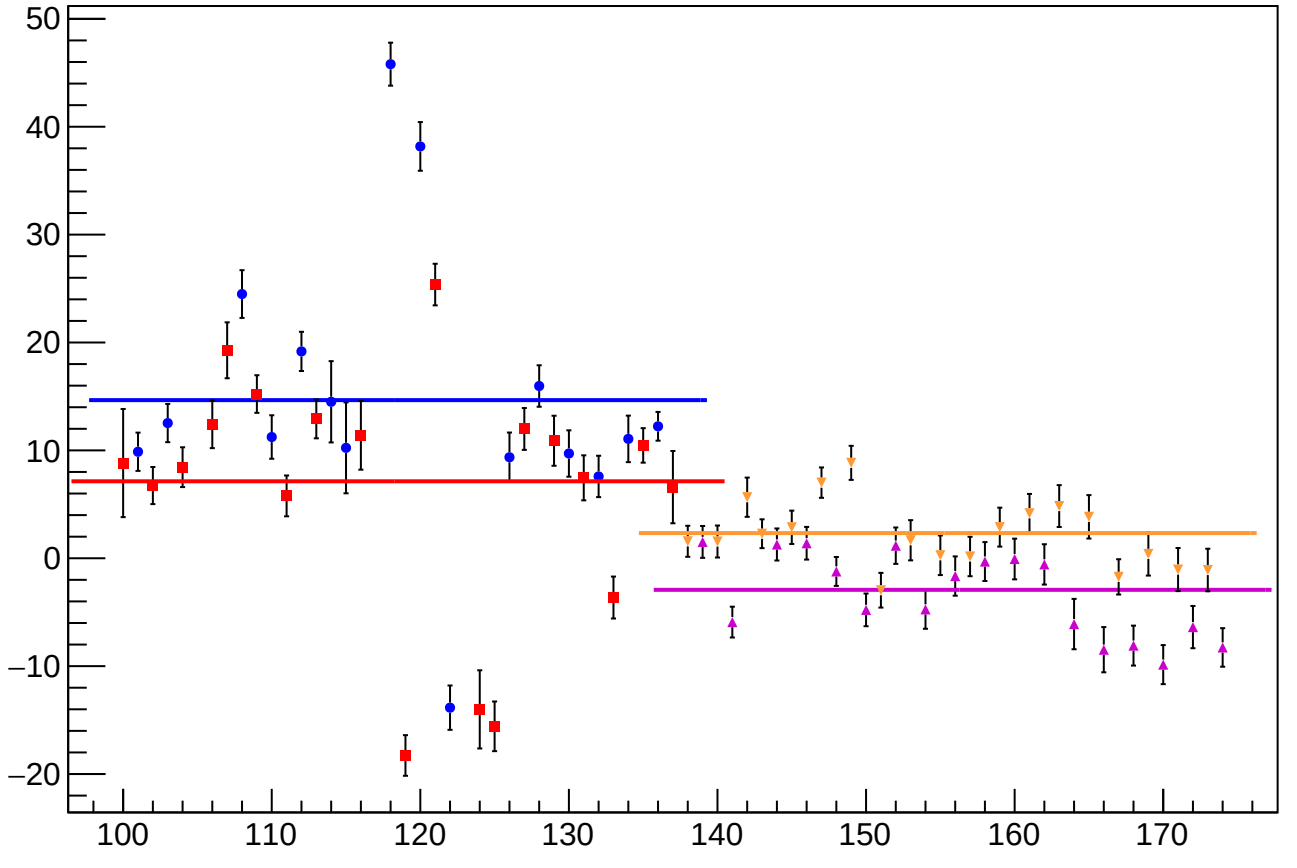
Left: 1681.652+/-0.219 χ^2/NDF: 703307.0/36

Right: 1556.913+/-0.304 χ^2/NDF: 1745178.6/34

In: 1652.261+/-0.255 χ^2/NDF:1247507.6/33

Out: 1626.185+/-0.248 χ^2/NDF:1306546.7/37

All: 1638.869+/-0.178 χ^2/NDF: 2559429.2/71



Right In: 14.658+/-0.504 χ^2/NDF: 614.8/15

Left Out: 2.334+/-0.388 χ^2/NDF:62.0/18

Right Out: 7.135+/-0.483 χ^2/NDF: 509.4/18

Left In: -2.926+/-0.400 χ^2/NDF:89.4/17

Left: -0.214+/-0.278 χ^2/NDF: 240.6/36

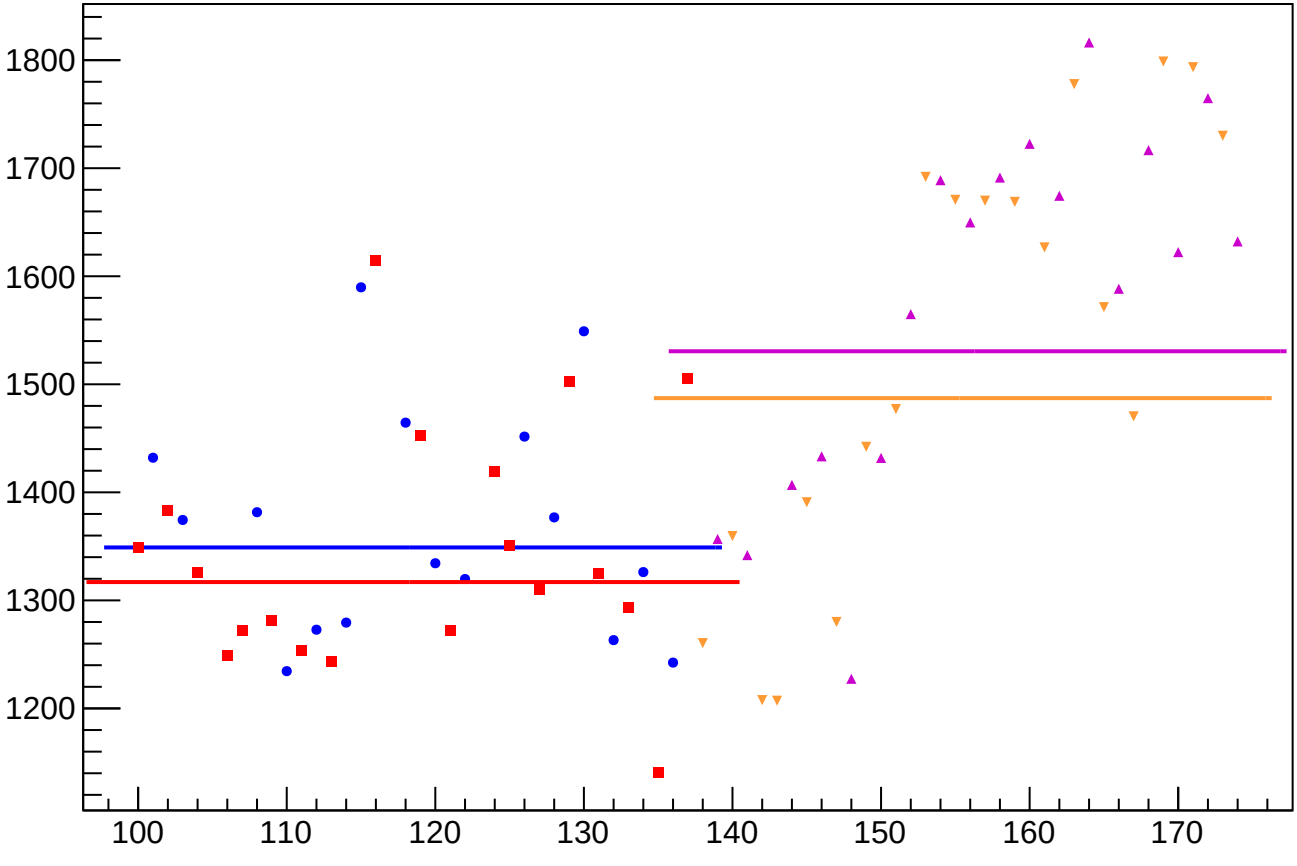
Right: 10.734+/-0.349 χ^2/NDF: 1240.2/34

In: 3.862+/-0.313 χ^2/NDF:1450.1/33

Out: 4.214+/-0.302 χ^2/NDF:631.5/37

All: 4.044+/-0.218 χ^2/NDF: 2082.2/71

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1349.000+/-0.357 χ^2/NDF: 68383.7/15

Left Out: 1487.183+/-0.274 χ^2/NDF:522668.6/18

Right Out: 1316.961+/-0.342 χ^2/NDF: 86873.7/18

Left In: 1530.580+/-0.283 χ^2/NDF:360805.5/17

Left: 1508.203+/-0.197 χ^2/NDF: 895611.3/36

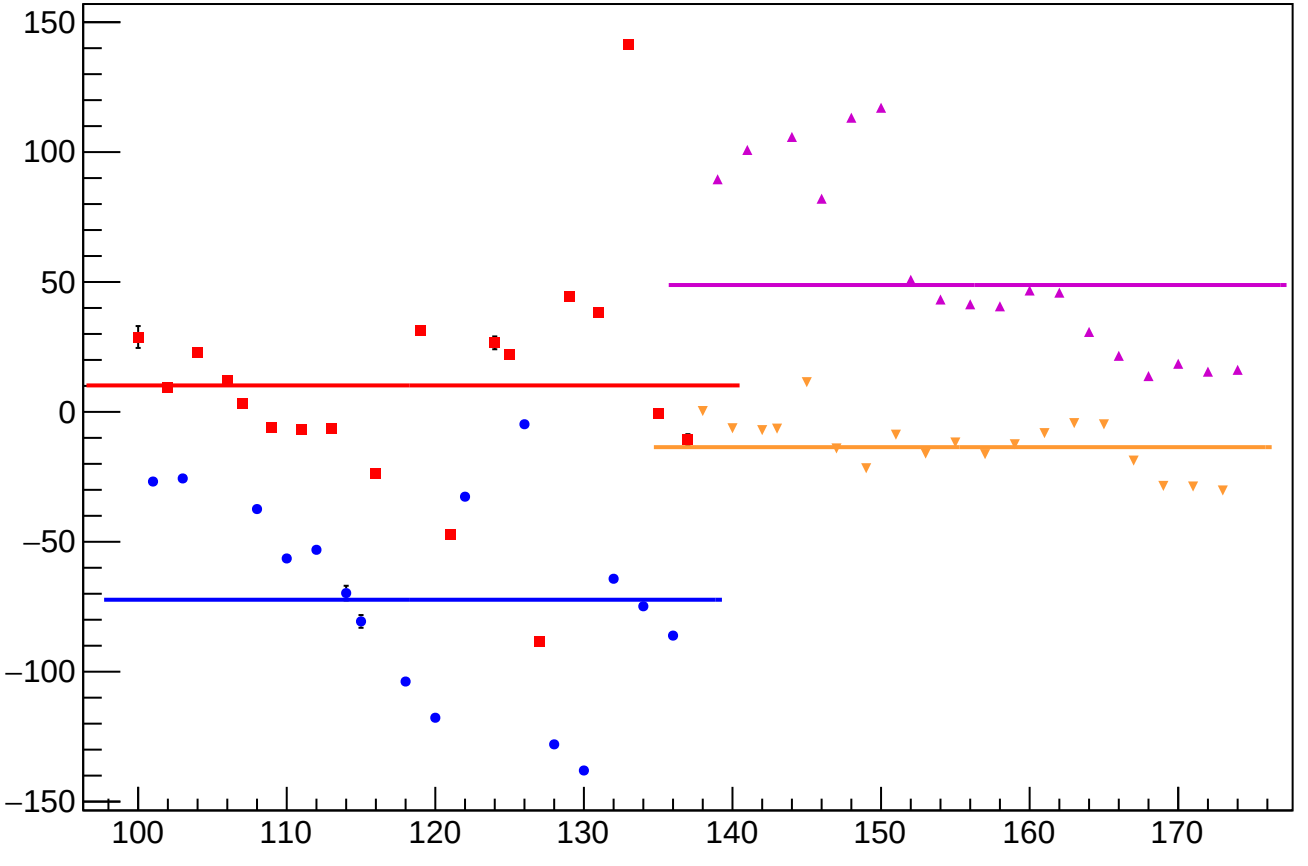
Right: 1332.289+/-0.247 χ^2/NDF: 159464.7/34

In: 1460.486+/-0.222 χ^2/NDF:588265.3/33

Out: 1420.511+/-0.214 χ^2/NDF:760544.5/37

All: 1439.782+/-0.154 χ^2/NDF: 1365658.4/71

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -72.304+/-0.349 χ^2/NDF: 12153.8/15

Left Out: -13.572+/-0.212 χ^2/NDF:2365.0/18

Right Out: 10.188+/-0.345 χ^2/NDF: 19045.9/18

Left In: 48.835+/-0.214 χ^2/NDF:23801.0/17

Left: 17.338+/-0.151 χ^2/NDF: 68921.6/36

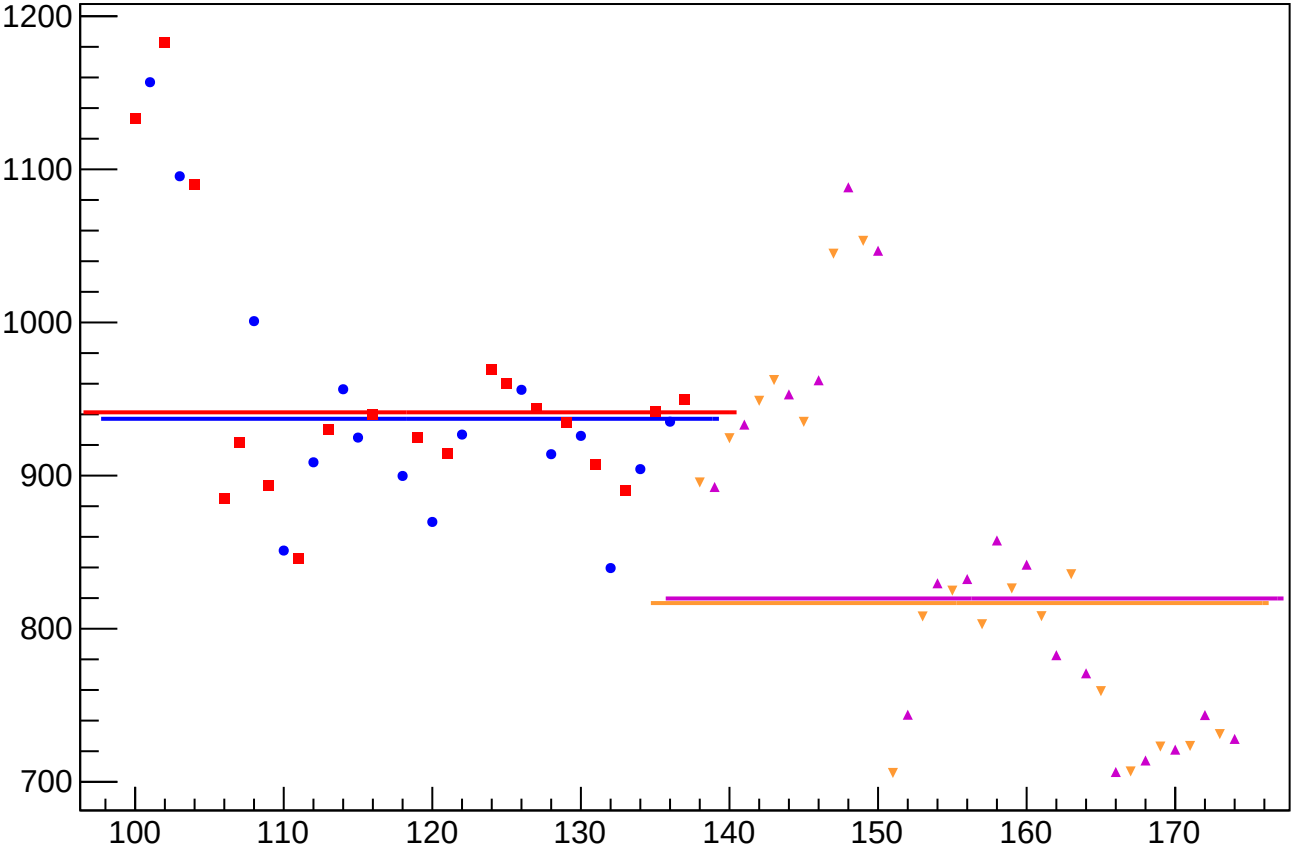
Right: -30.473+/-0.245 χ^2/NDF: 59456.9/34

In: 15.703+/-0.183 χ^2/NDF:123256.3/33

Out: -7.028+/-0.181 χ^2/NDF:24857.0/37

All: 4.216+/-0.129 χ^2/NDF: 155931.6/71

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 937.097+/-0.247 χ^2/NDF: 104660.4/15

Left Out: 816.757+/-0.150 χ^2/NDF:444010.0/18

Right Out: 941.323+/-0.244 χ^2/NDF: 101031.2/18

Left In: 819.763+/-0.152 χ^2/NDF:472263.4/17

Left: 818.246+/-0.107 χ^2/NDF: 916471.8/36

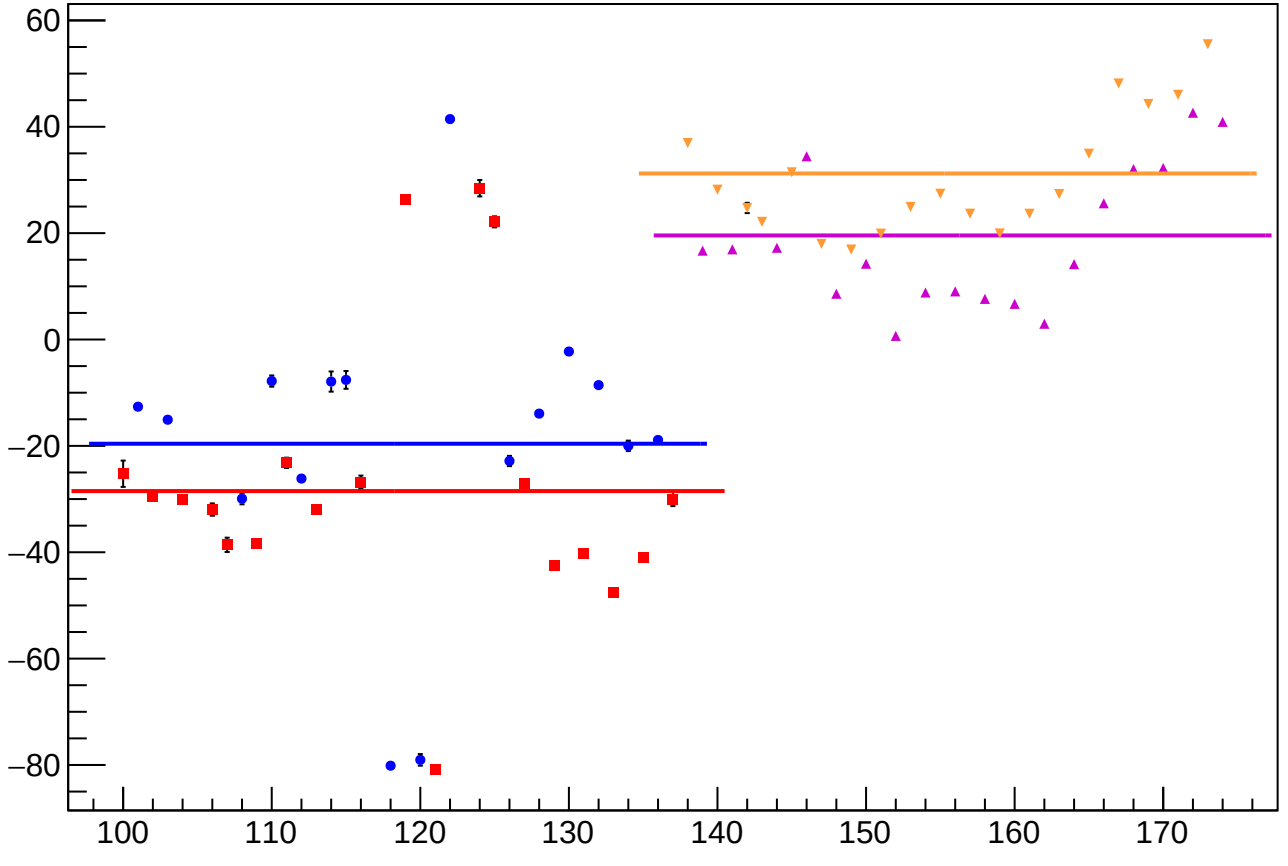
Right: 939.240+/-0.173 χ^2/NDF: 205839.9/34

In: 851.854+/-0.129 χ^2/NDF:740729.5/33

Out: 851.062+/-0.128 χ^2/NDF:734474.2/37

All: 851.454+/-0.091 χ^2/NDF: 1475222.7/71

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: -19.597+/-0.234 χ^2/NDF: 13170.1/15

Left Out: 31.220+/-0.167 χ^2/NDF:4719.7/18

Right Out: -28.496+/-0.230 χ^2/NDF: 12971.2/18

Left In: 19.568+/-0.169 χ^2/NDF:6069.9/17

Left: 25.477+/-0.119 χ^2/NDF: 13188.4/36

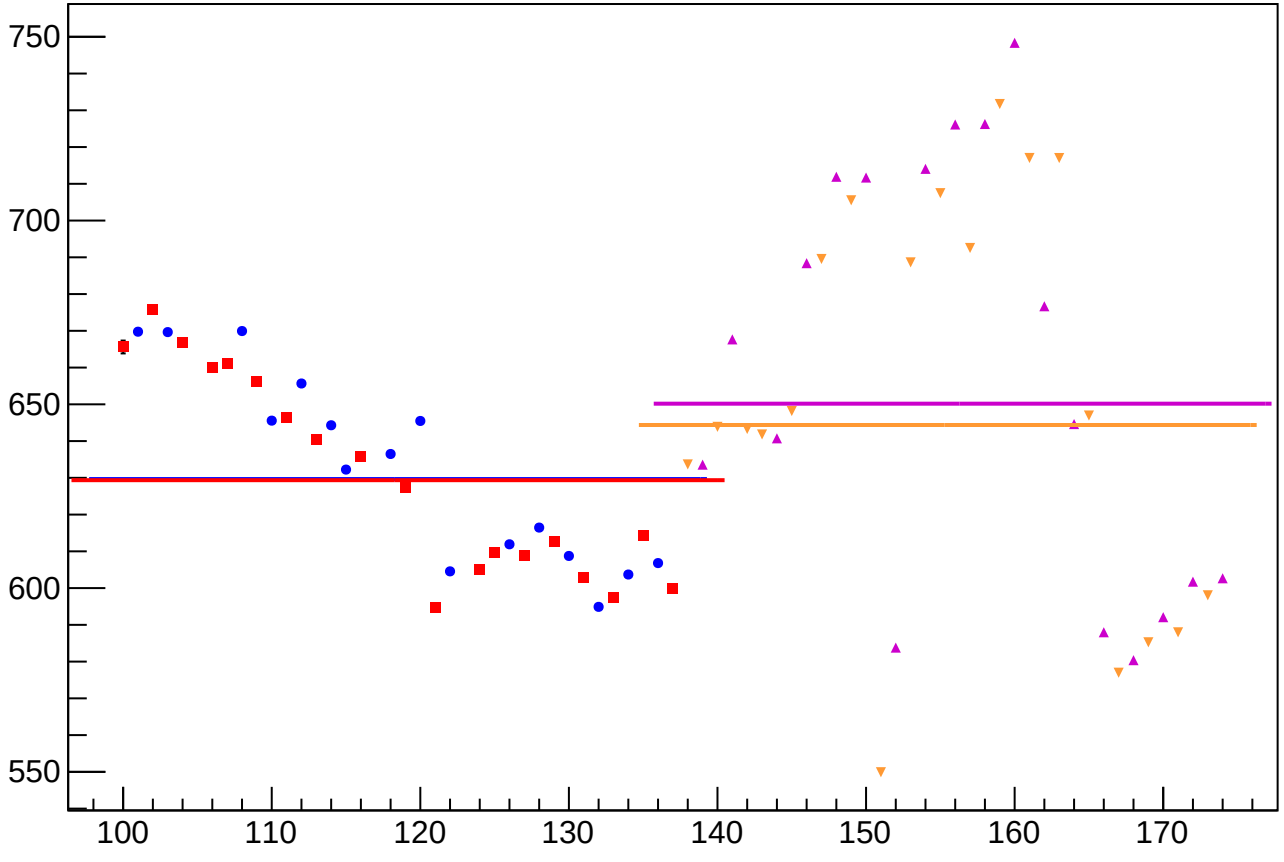
Right: -24.130+/-0.164 χ^2/NDF: 26877.8/34

In: 6.104+/-0.137 χ^2/NDF:37614.1/33

Out: 10.563+/-0.135 χ^2/NDF:61907.4/37

All: 8.369+/-0.096 χ^2/NDF: 100057.8/71

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 629.660+/-0.166 χ^2/NDF: 25315.5/15

Left Out: 644.376+/-0.118 χ^2/NDF:219142.7/18

Right Out: 629.361+/-0.162 χ^2/NDF: 26791.2/18

Left In: 650.175+/-0.120 χ^2/NDF:213139.6/17

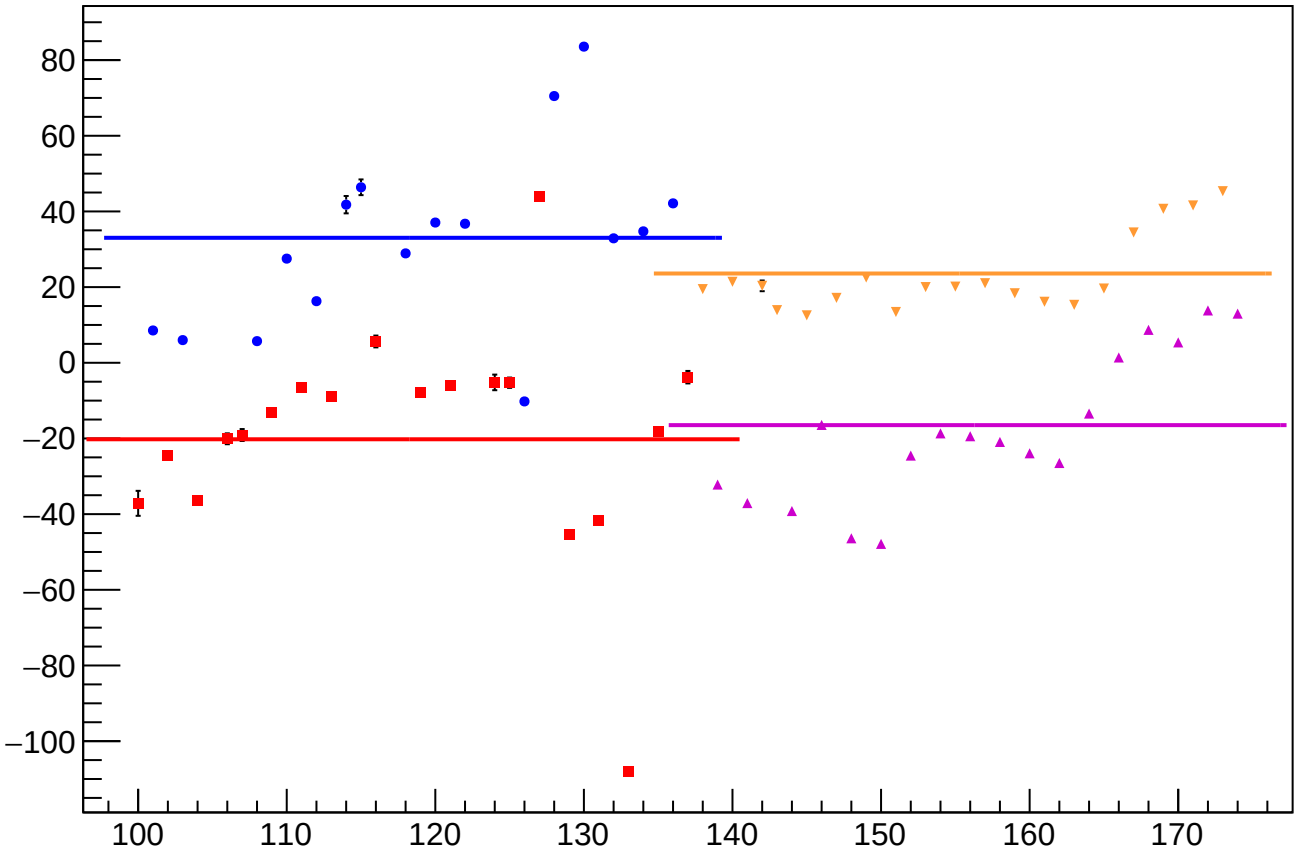
Left: 647.235+/-0.084 χ^2/NDF: 433470.8/36

Right: 629.508+/-0.116 χ^2/NDF: 52108.4/34

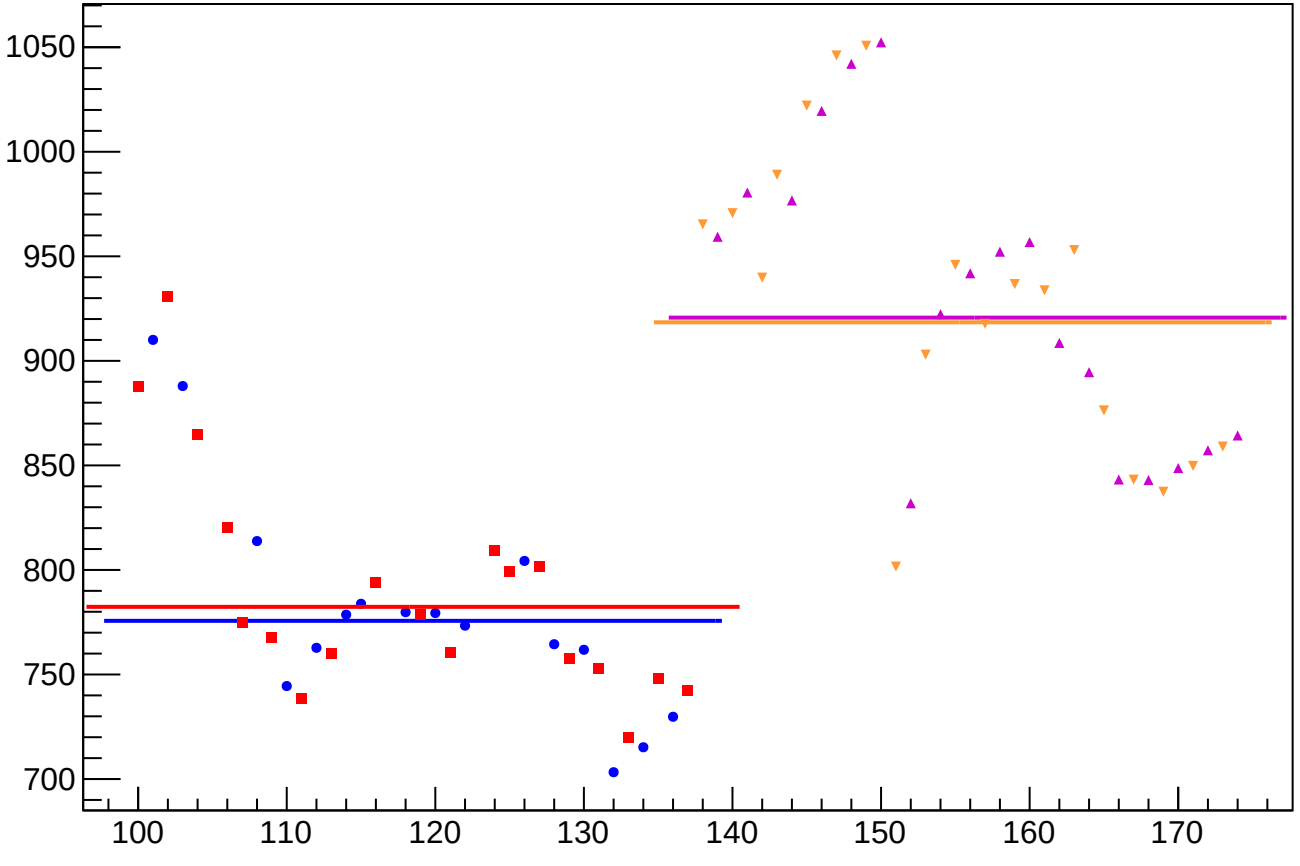
In: 643.122+/-0.097 χ^2/NDF:248538.1/33

Out: 639.182+/-0.096 χ^2/NDF:251524.8/37

All: 641.121+/-0.068 χ^2/NDF: 500900.4/71


diff_bpm1i04X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 33.033+/-0.289 χ²/NDF: 6700.1/15
Left Out: 23.596+/-0.238 χ²/NDF:1882.3/18
Right Out: -20.215+/-0.286 χ²/NDF: 11869.7/18
Left In: -16.478+/-0.240 χ²/NDF:6425.7/17
Left: 3.711+/-0.169 χ²/NDF: 22409.6/36
Right: 6.136+/-0.203 χ²/NDF: 35729.1/34
In: 3.691+/-0.184 χ²/NDF:30530.8/33
Out: 5.692+/-0.183 χ²/NDF:27632.7/37
All: 4.701+/-0.130 χ²/NDF: 58222.9/71

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 775.664+/-0.204 χ^2/NDF: 74660.0/15

Left Out: 918.439+/-0.168 χ^2/NDF:175023.7/18

Right Out: 782.358+/-0.202 χ^2/NDF: 64566.3/18

Left In: 920.674+/-0.169 χ^2/NDF:161180.1/17

Left: 919.548+/-0.119 χ^2/NDF: 336291.5/36

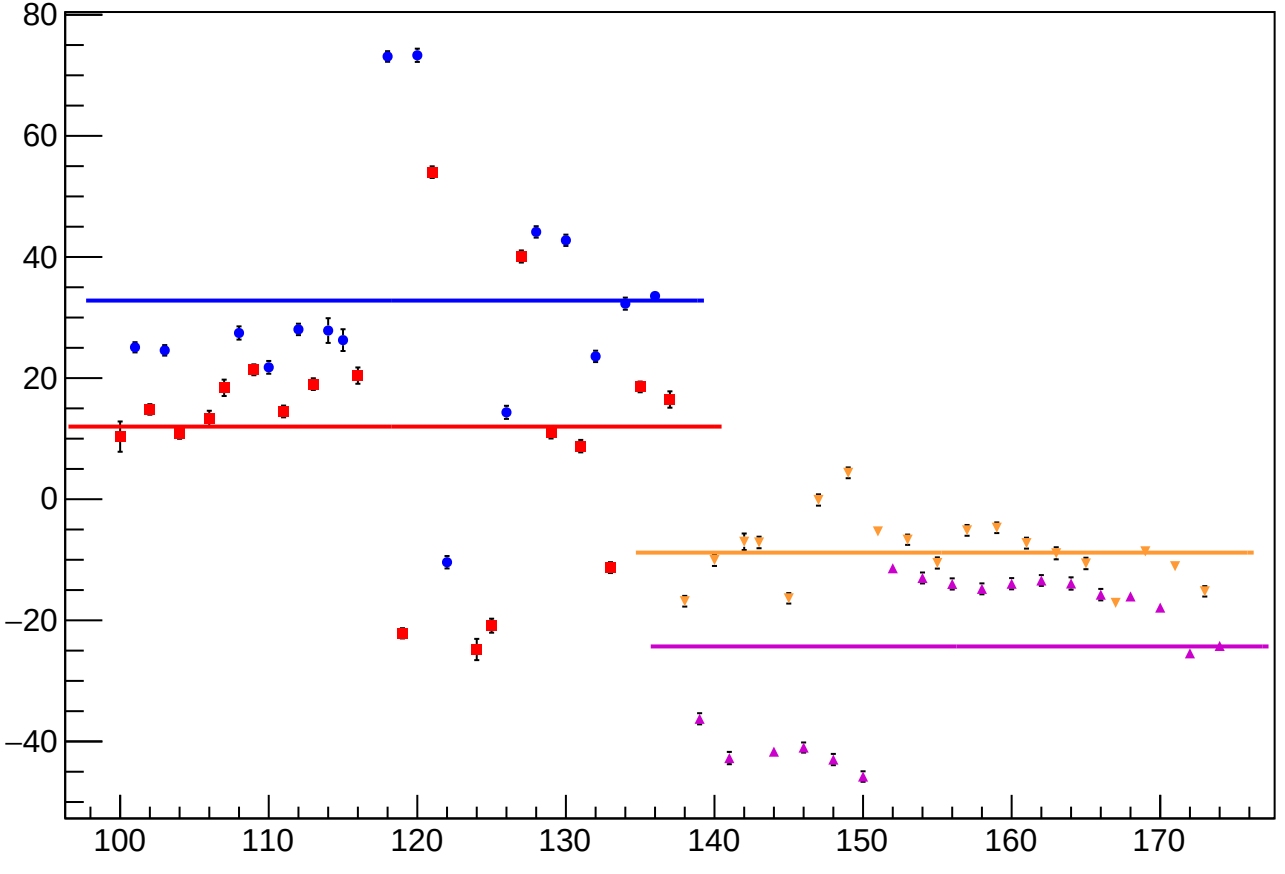
Right: 779.045+/-0.144 χ^2/NDF: 139768.7/34

In: 861.602+/-0.130 χ^2/NDF:534443.0/33

Out: 862.829+/-0.129 χ^2/NDF:507420.9/37

All: 862.221+/-0.092 χ^2/NDF: 1041908.7/71

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 32.804+/-0.244 χ^2/NDF: 6259.3/15

Left Out: -8.815+/-0.202 χ^2/NDF:726.9/18

Right Out: 11.994+/-0.241 χ^2/NDF: 6559.7/18

Left In: -24.312+/-0.204 χ^2/NDF:3741.5/17

Left: -16.486+/-0.144 χ^2/NDF: 7383.8/36

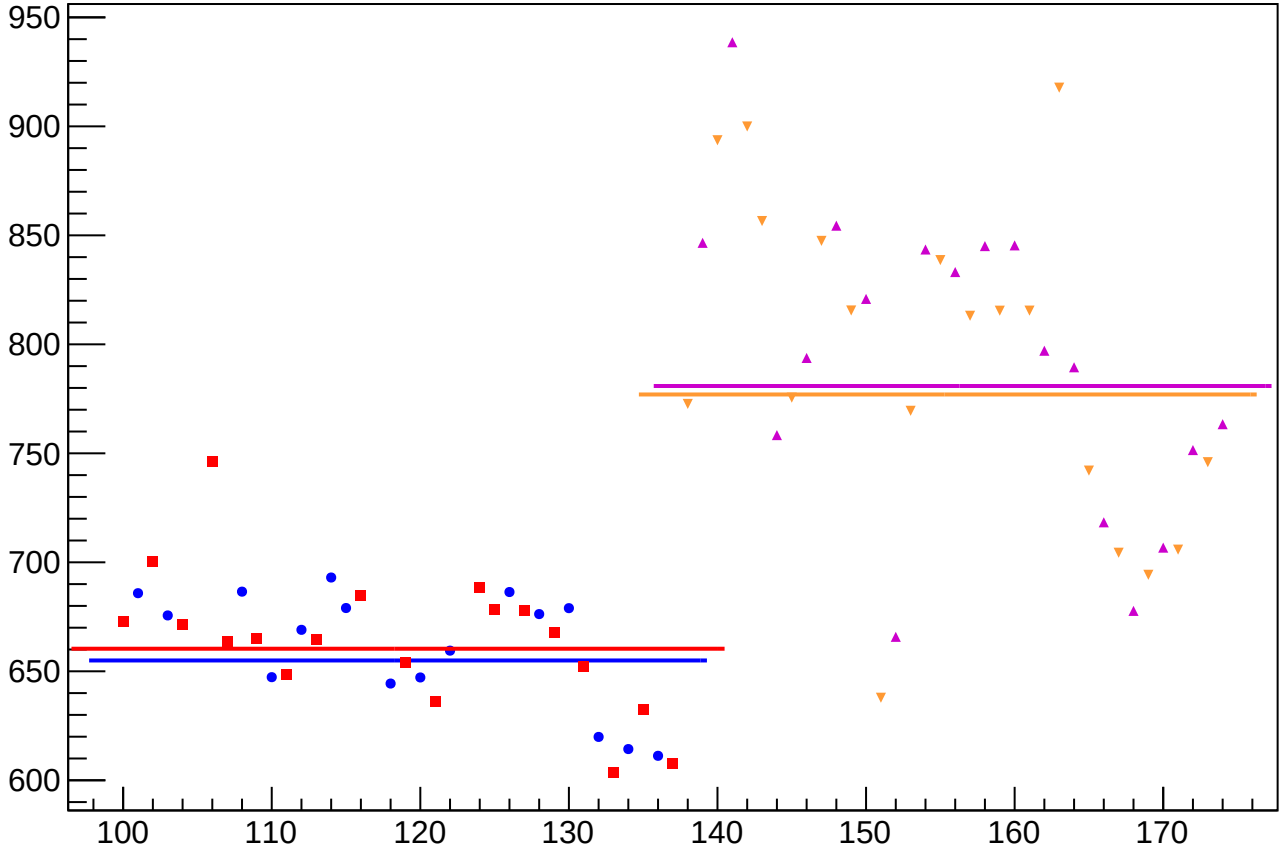
Right: 22.296+/-0.171 χ^2/NDF: 16506.5/34

In: -0.763+/-0.156 χ^2/NDF:42330.4/33

Out: -0.237+/-0.155 χ^2/NDF:11663.9/37

All: -0.497+/-0.110 χ^2/NDF: 54000.0/71

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 654.970+/-0.172 χ^2/NDF: 26744.4/15

Left Out: 776.996+/-0.143 χ^2/NDF:275672.0/18

Right Out: 660.355+/-0.171 χ^2/NDF: 30417.5/18

Left In: 780.885+/-0.144 χ^2/NDF:234258.4/17

Left: 778.921+/-0.101 χ^2/NDF: 510297.5/36

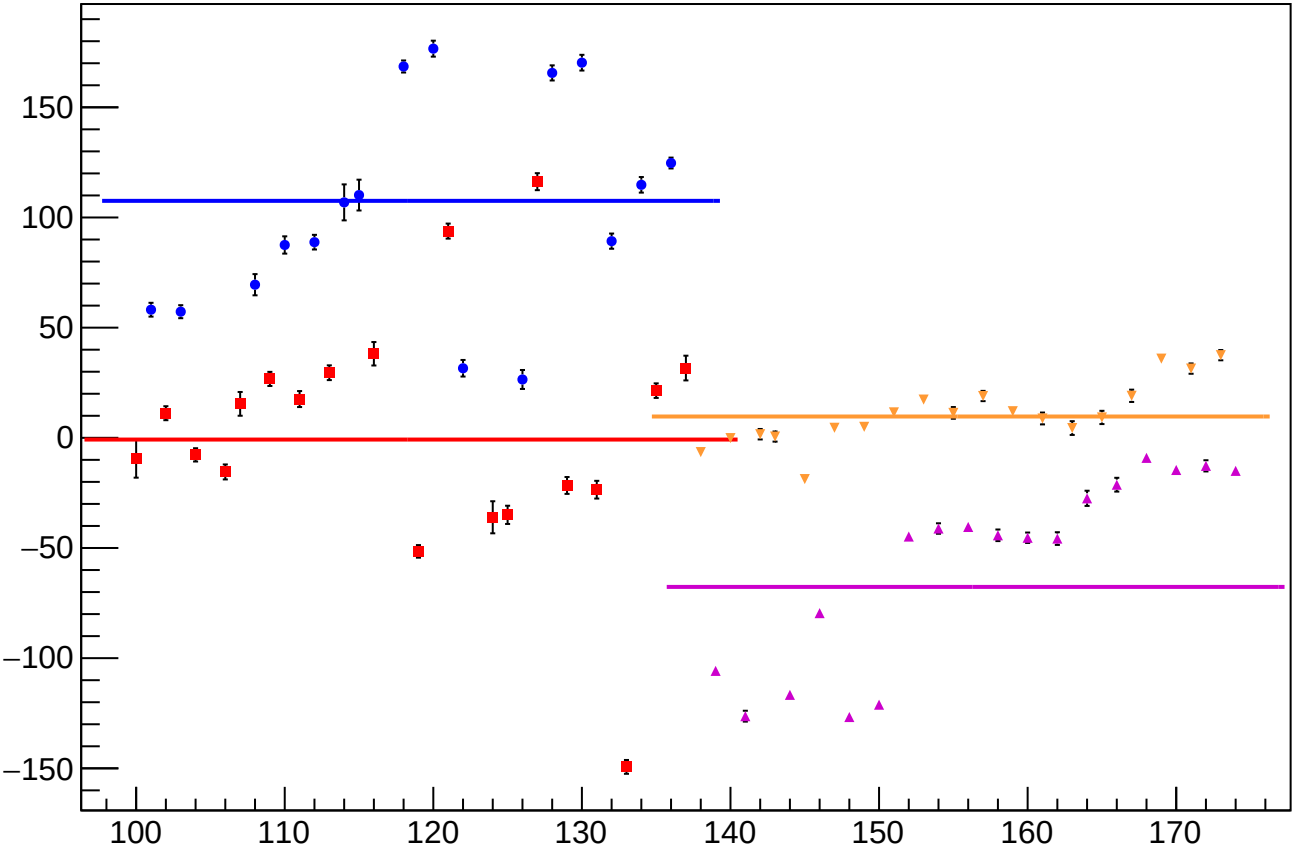
Right: 657.689+/-0.121 χ^2/NDF: 57655.9/34

In: 728.969+/-0.111 χ^2/NDF:575250.7/33

Out: 728.914+/-0.109 χ^2/NDF:581170.0/37

All: 728.941+/-0.078 χ^2/NDF: 1156420.8/71

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 107.548+/-0.885 χ^2/NDF: 2955.8/15

Left Out: 9.672+/-0.514 χ^2/NDF:729.2/18

Right Out: -0.788+/-0.861 χ^2/NDF: 4763.9/18

Left In: -67.663+/-0.516 χ^2/NDF:7071.7/17

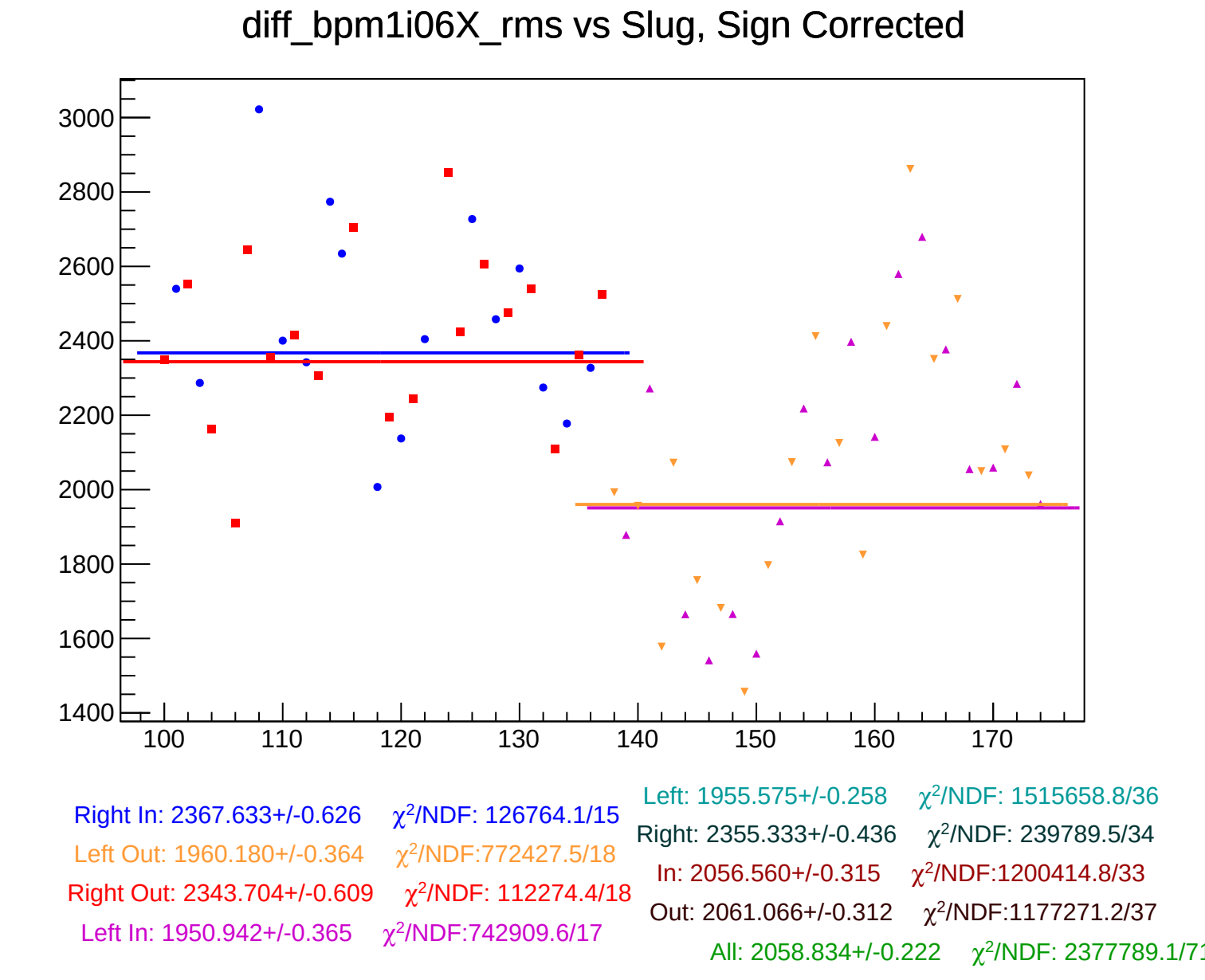
Left: -28.876+/-0.364 χ^2/NDF: 19071.7/36

Right: 51.859+/-0.617 χ^2/NDF: 15416.7/34

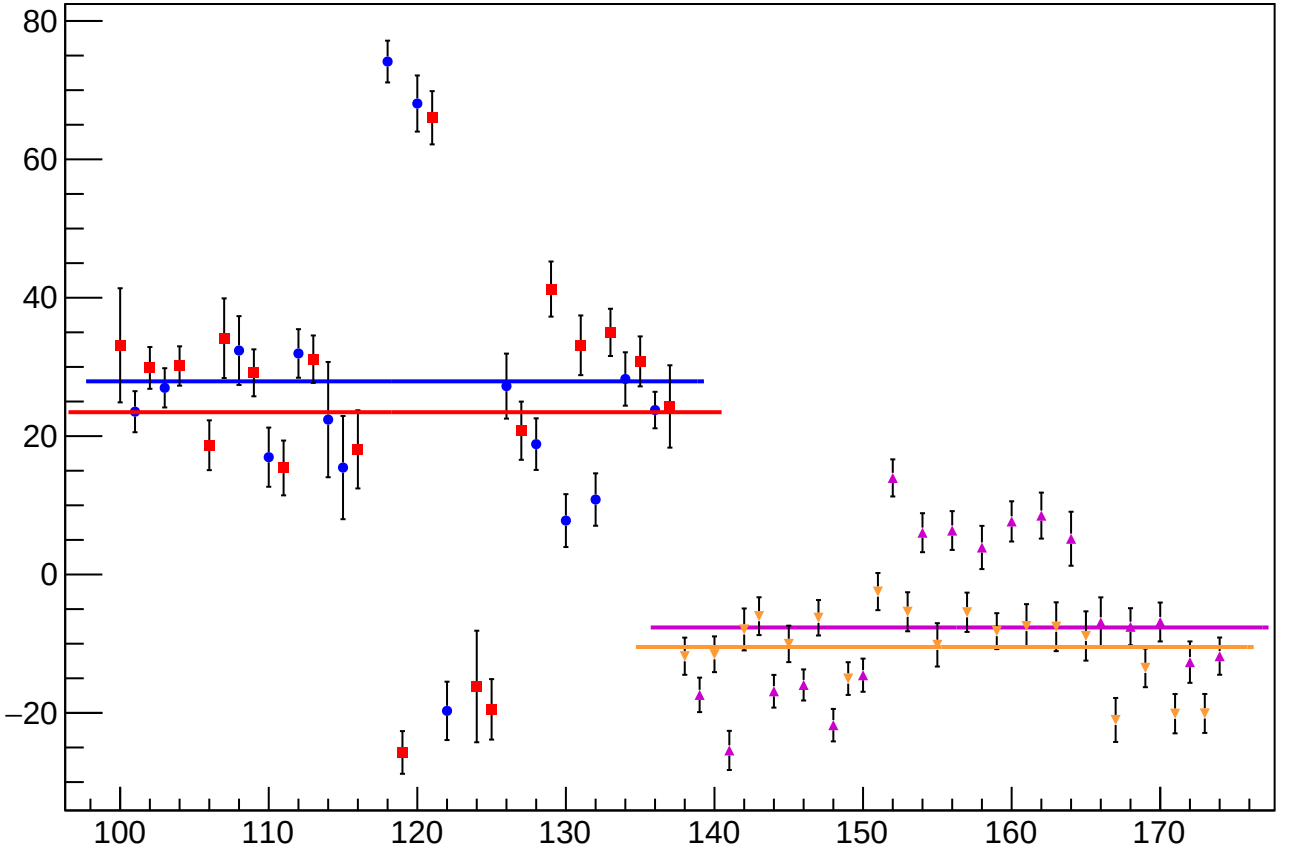
In: -23.252+/-0.446 χ^2/NDF:39265.7/33

Out: 6.920+/-0.441 χ^2/NDF:5602.0/37

All: -8.022+/-0.314 χ^2/NDF: 47180.7/71


diff_bpm1i06X_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
110
120
130
140
150
160
170
Right In: 2367.633+/-0.626 χ²/NDF: 126764.1/15
Left Out: 1960.180+/-0.364 χ²/NDF:772427.5/18
Right Out: 2343.704+/-0.609 χ²/NDF: 112274.4/18
Left In: 1950.942+/-0.365 χ²/NDF:742909.6/17
Left: 1955.575+/-0.258 χ²/NDF: 1515658.8/36
Right: 2355.333+/-0.436 χ²/NDF: 239789.5/34
In: 2056.560+/-0.315 χ²/NDF:1200414.8/33
Out: 2061.066+/-0.312 χ²/NDF:1177271.2/37
All: 2058.834+/-0.222 χ²/NDF: 2377789.1/71

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 27.916+/-0.937 χ^2/NDF: 530.7/15

Left Out: -10.480+/-0.648 χ^2/NDF:63.5/18

Right Out: 23.457+/-0.903 χ^2/NDF: 567.9/18

Left In: -7.653+/-0.648 χ^2/NDF:322.9/17

Left: -9.068+/-0.458 χ^2/NDF: 395.9/36

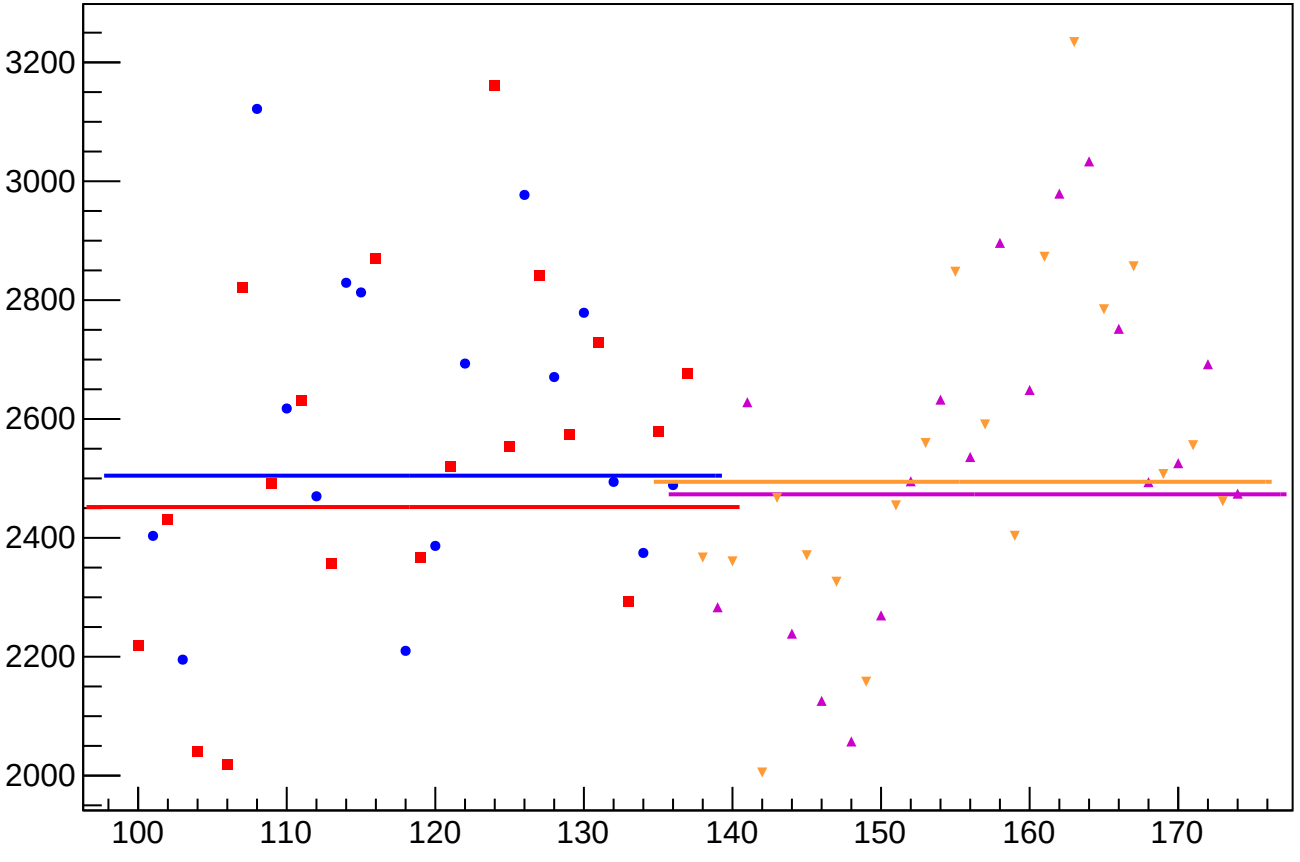
Right: 25.604+/-0.650 χ^2/NDF: 1110.3/34

In: 3.866+/-0.533 χ^2/NDF:1828.4/33

Out: 1.061+/-0.526 χ^2/NDF:1564.3/37

All: 2.445+/-0.375 χ^2/NDF: 3406.7/71

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2504.654+/-0.662 χ^2/NDF: 126599.1/15

Left Out: 2494.355+/-0.458 χ^2/NDF:304448.5/18

Right Out: 2451.880+/-0.638 χ^2/NDF: 153237.1/18

Left In: 2473.289+/-0.458 χ^2/NDF:324765.3/17

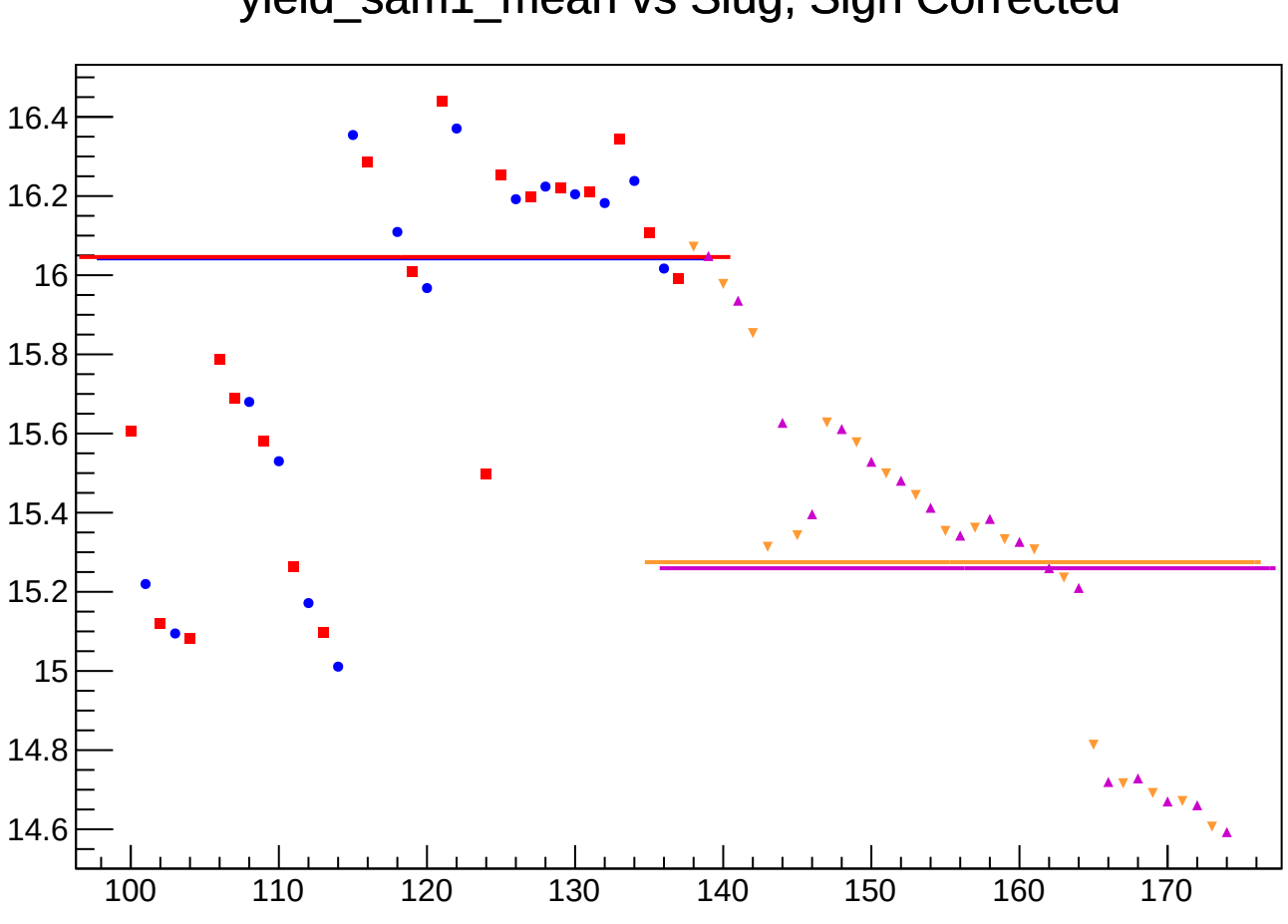
Left: 2483.828+/-0.324 χ^2/NDF: 630270.3/36

Right: 2477.287+/-0.460 χ^2/NDF: 283127.8/34

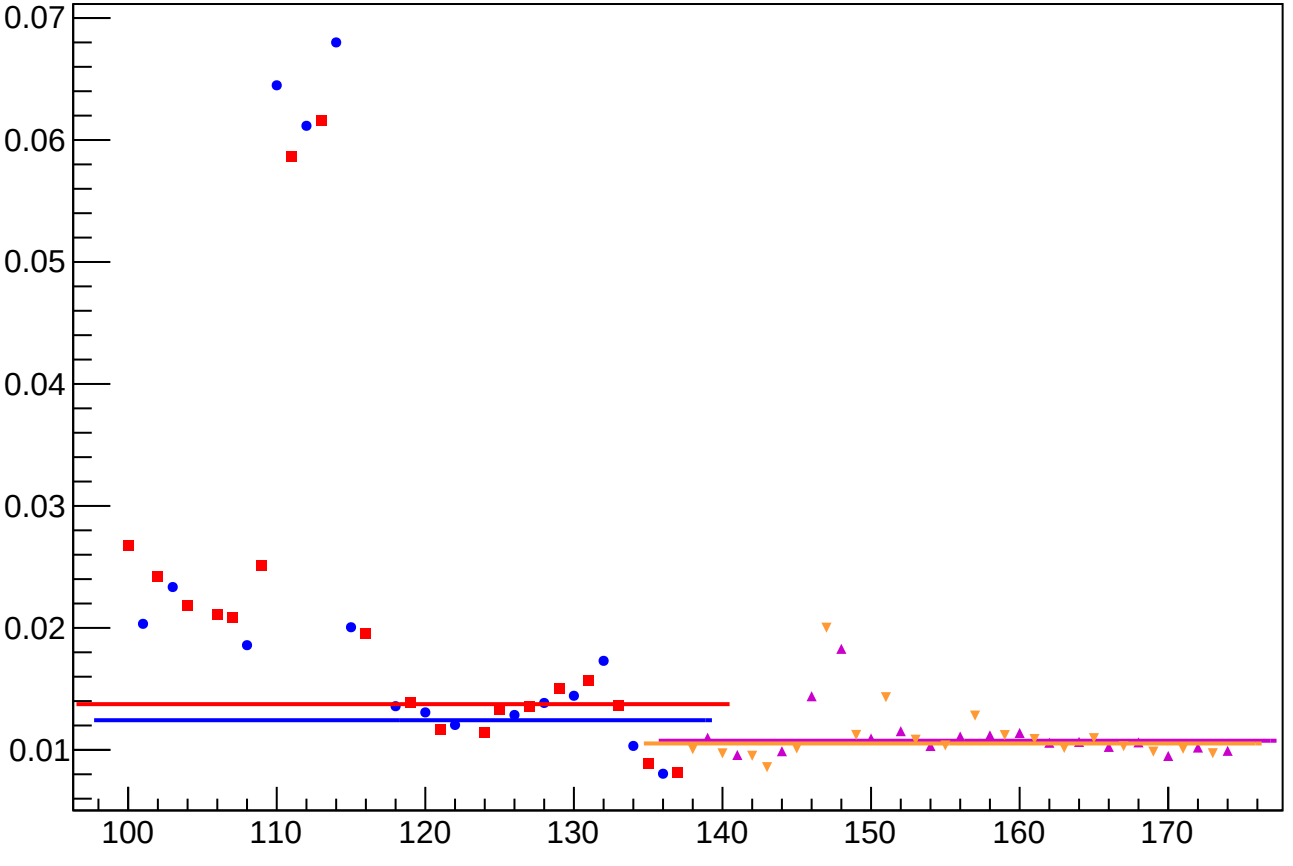
In: 2483.446+/-0.377 χ^2/NDF:452880.4/33

Out: 2479.911+/-0.372 χ^2/NDF:460608.4/37

All: 2481.656+/-0.265 χ^2/NDF: 913533.4/71


yield_sam1_mean vs Slug, Sign Corrected
16.4
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
100
110
120
130
140
150
160
170
Right In: 16.043+/-0.000 χ²/NDF: 2840540588.4/15
Left Out: 15.275+/-0.000 χ²/NDF:24199897473.4/18
Right Out: 16.046+/-0.000 χ²/NDF: 3552158387.5/18
Left In: 15.260+/-0.000 χ²/NDF:24109881575.8/17
Left: 15.267+/-0.000 χ²/NDF: 48324318162.1/36
Right: 16.044+/-0.000 χ²/NDF: 6392885915.7/34
In: 15.438+/-0.000 χ²/NDF:43803778359.9/33
Out: 15.423+/-0.000 χ²/NDF:42201808043.7/37
All: 15.431+/-0.000 χ²/NDF: 86023547266.4

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:663348.6/18

Right Out: 0.014+/-0.000 χ^2/NDF: 2230614.9/18

Left In: 0.011+/-0.000 χ^2/NDF:477049.0/17

Left: 0.011+/-0.000 χ^2/NDF: 1146572.8/36

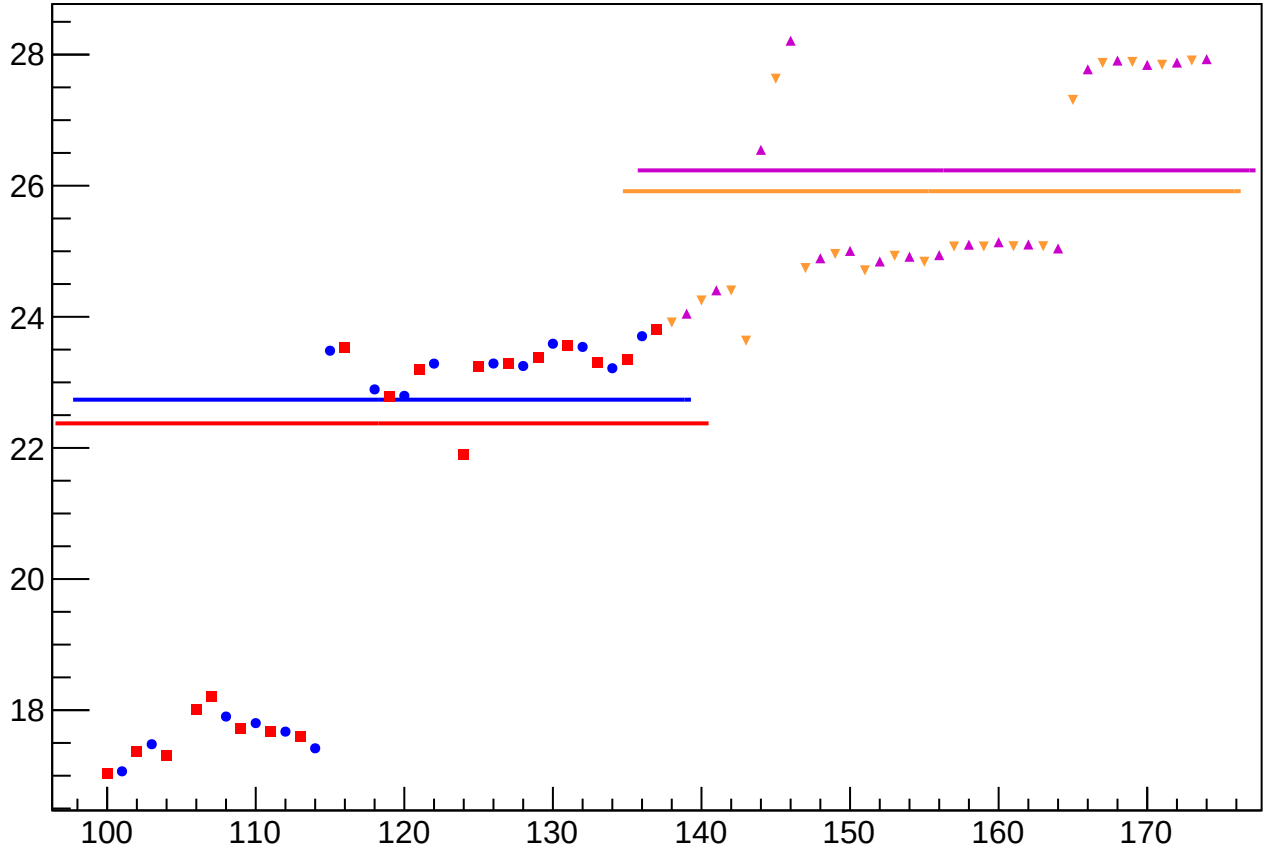
Right: 0.013+/-0.000 χ^2/NDF: 4604105.9/34

In: 0.011+/-0.000 χ^2/NDF:2949381.9/33

Out: 0.011+/-0.000 χ^2/NDF:3399005.8/37

All: 0.011+/-0.000 χ^2/NDF: 6348410.0/71

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.736+/-0.000 χ^2/NDF: 1220713728.0/15

Left Out: 25.916+/-0.000 χ^2/NDF:2653670797.8/18

Right Out: 22.375+/-0.000 χ^2/NDF: 1215661430.7/18

Left In: 26.234+/-0.000 χ^2/NDF:2160101374.2/17

Left: 26.072+/-0.000 χ^2/NDF: 4866076456.5/36

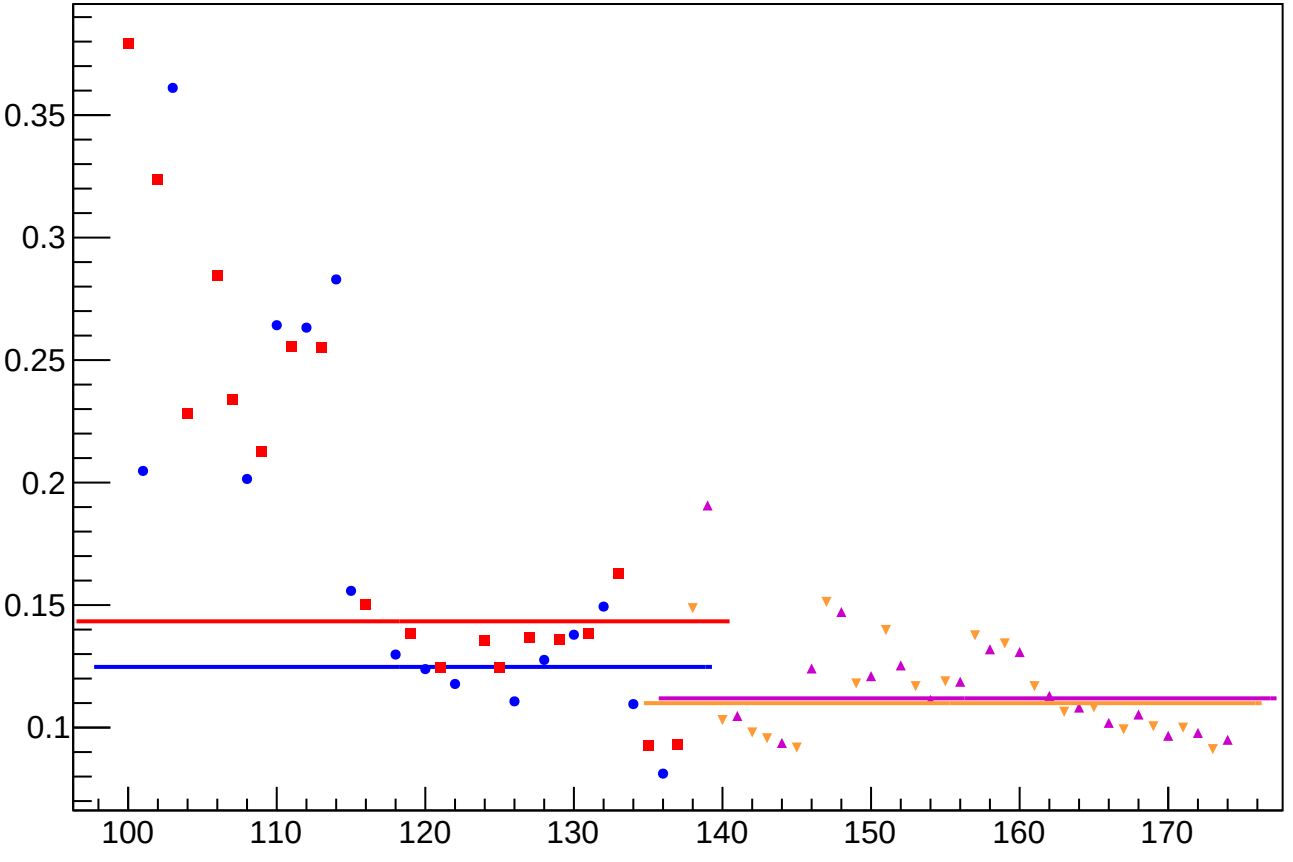
Right: 22.574+/-0.000 χ^2/NDF: 2456494994.8/34

In: 25.349+/-0.000 χ^2/NDF:6521226334.7/33

Out: 25.176+/-0.000 χ^2/NDF:6642361840.3/37

All: 25.263+/-0.000 χ^2/NDF: 13183847232.6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.125+/-0.000 χ^2/NDF: 1749818.7/15

Left Out: 0.110+/-0.000 χ^2/NDF:609948.3/18

Right Out: 0.143+/-0.000 χ^2/NDF: 1570103.9/18

Left In: 0.112+/-0.000 χ^2/NDF:678029.6/17

Left: 0.111+/-0.000 χ^2/NDF: 1291985.4/36

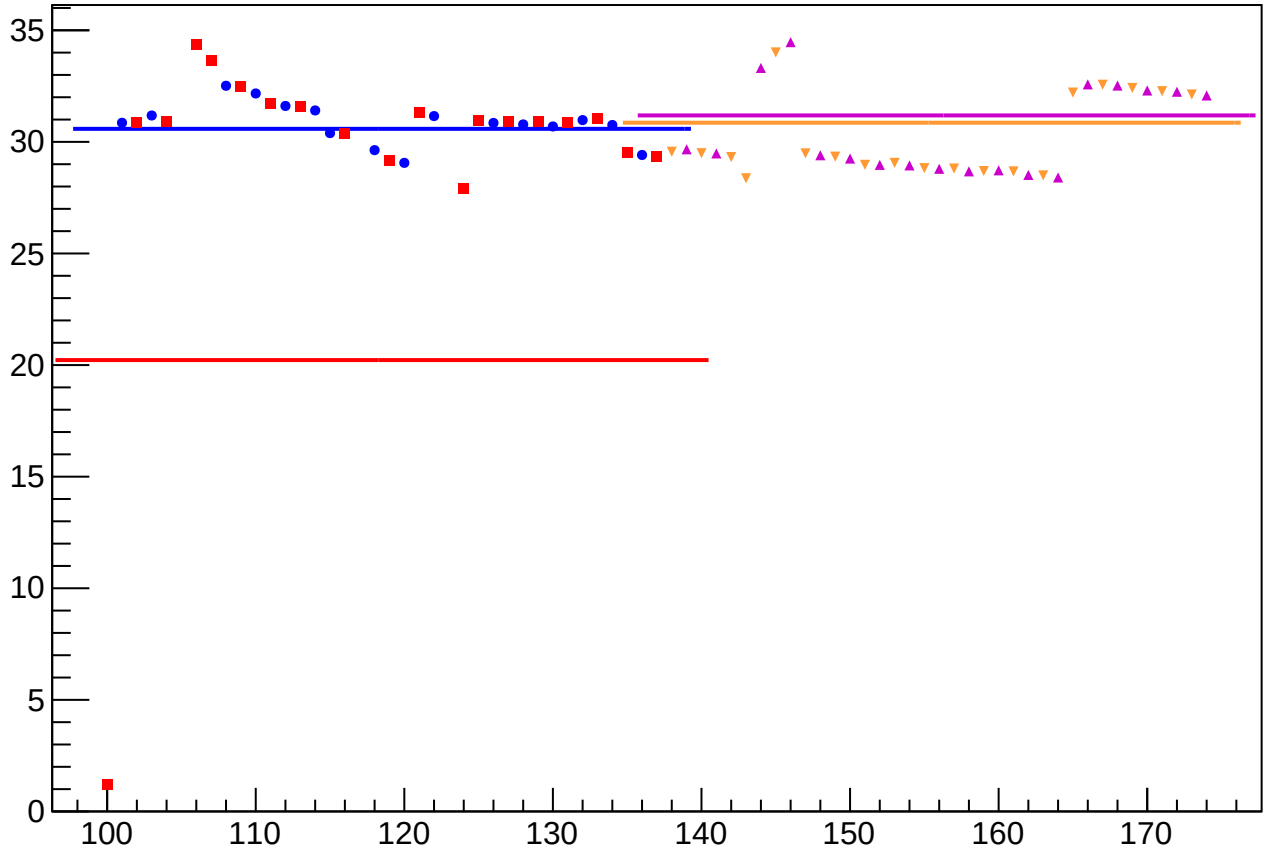
Right: 0.133+/-0.000 χ^2/NDF: 3426627.7/34

In: 0.115+/-0.000 χ^2/NDF:2512327.0/33

Out: 0.117+/-0.000 χ^2/NDF:2673384.5/37

All: 0.116+/-0.000 χ^2/NDF: 5189933.2/71

yield_sam3_mean vs Slug, Sign Corrected



Right In: 30.585+/-0.000 χ^2/NDF: 652266844.4/15

Left Out: 30.859+/-0.000 χ^2/NDF:11450969390.1/18

Right Out: 20.224+/-0.000 χ^2/NDF: 221262816636.2/18

Left In: 31.186+/-0.000 χ^2/NDF:12479802938.7/17

Left: 31.025+/-0.000 χ^2/NDF: 24101458141.2/36

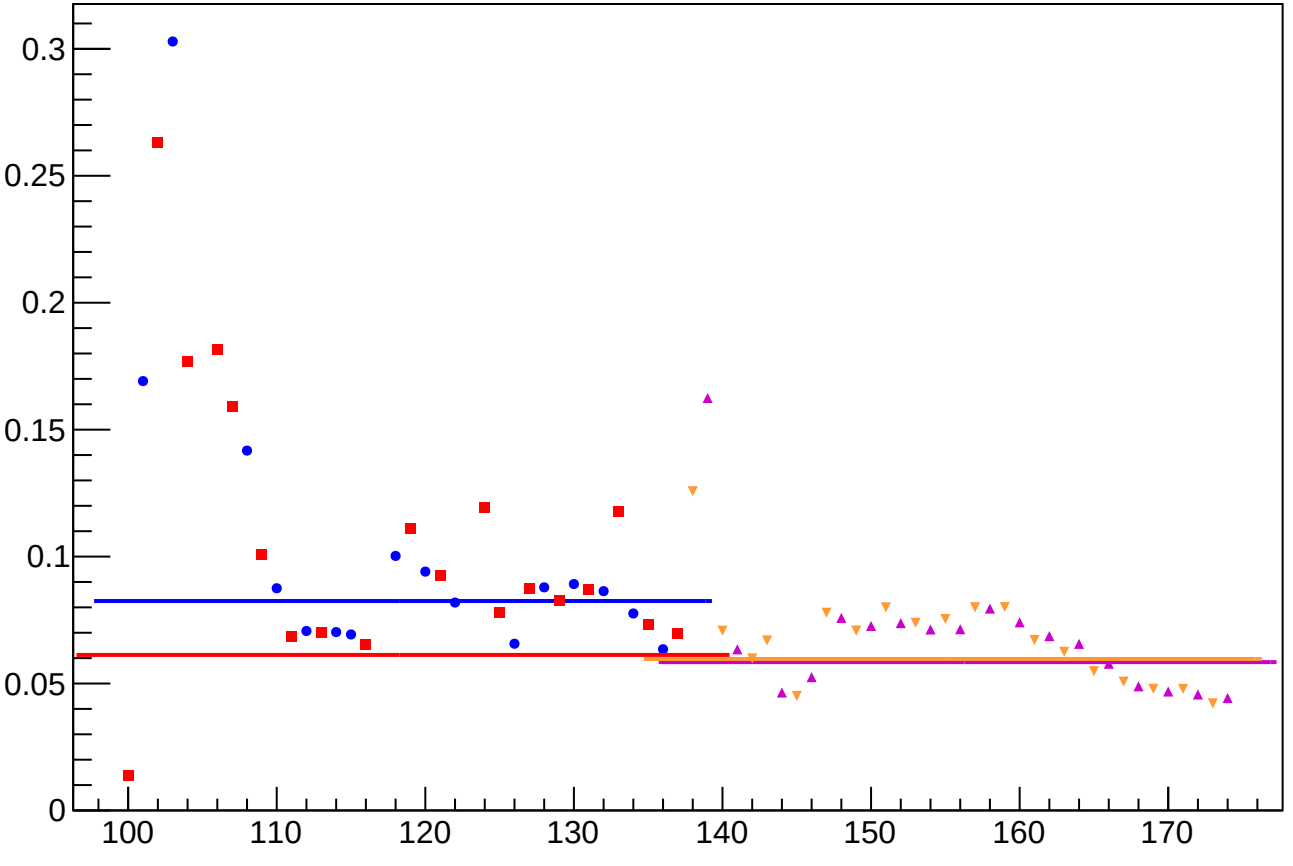
Right: 24.530+/-0.000 χ^2/NDF: 270460315915.7/34

In: 31.070+/-0.000 χ^2/NDF:13358291304.1/33

Out: 28.131+/-0.000 χ^2/NDF:324217212822.1/37

All: 29.560+/-0.000 χ^2/NDF: 355396339880.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 1261492.7/15

Left Out: 0.060+/-0.000 χ^2/NDF:1449297.0/18

Right Out: 0.061+/-0.000 χ^2/NDF: 4014305.3/18

Left In: 0.058+/-0.000 χ^2/NDF:1642335.1/17

Left: 0.059+/-0.000 χ^2/NDF: 3096497.2/36

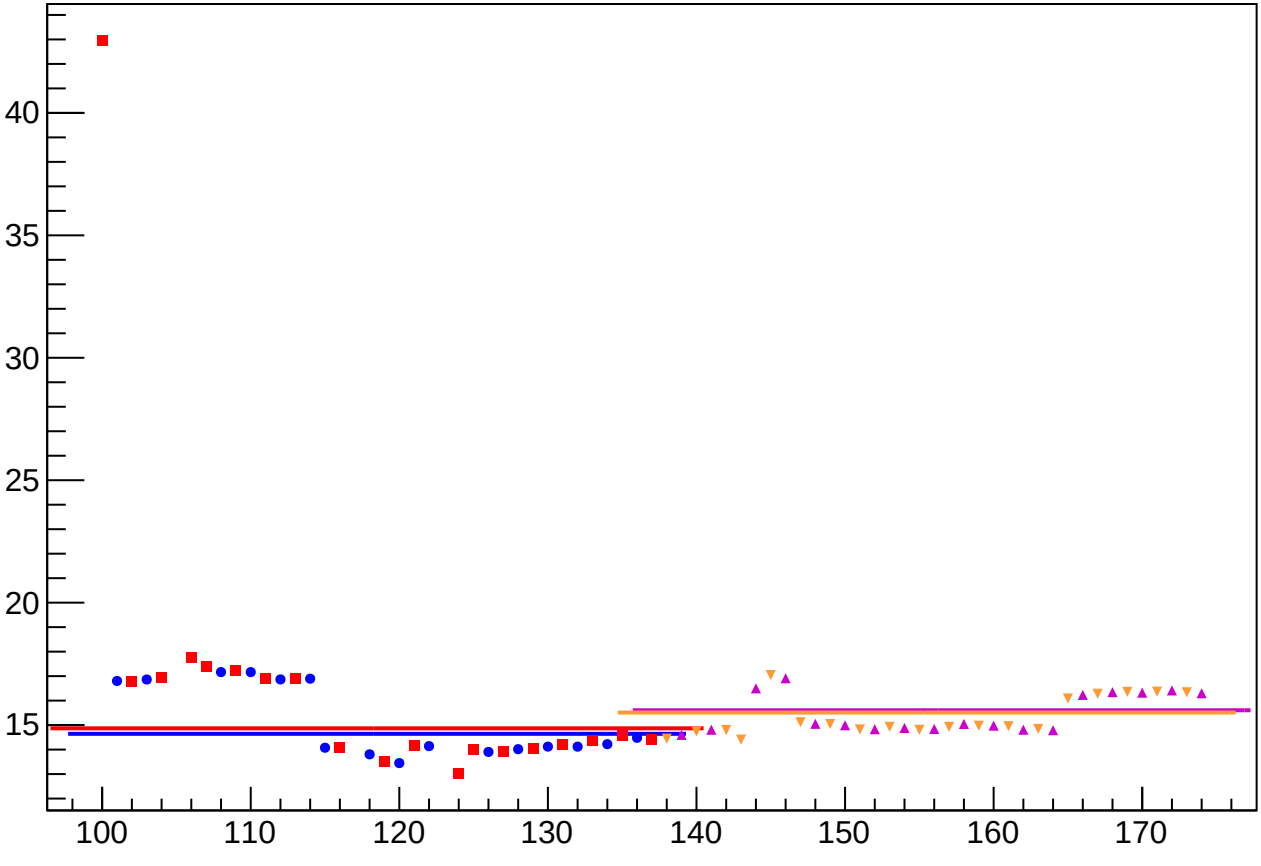
Right: 0.070+/-0.000 χ^2/NDF: 5683622.8/34

In: 0.063+/-0.000 χ^2/NDF:3627299.1/33

Out: 0.060+/-0.000 χ^2/NDF:5467720.4/37

All: 0.062+/-0.000 χ^2/NDF: 9132032.5/71

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.644+/-0.000 χ^2/NDF: 1193913109.5/15

Left Out: 15.513+/-0.000 χ^2/NDF:2027682650.1/18

Right Out: 14.868+/-0.000 χ^2/NDF: 1730040006.8/18

Left In: 15.606+/-0.000 χ^2/NDF:1790176078.6/17

Left: 15.559+/-0.000 χ^2/NDF: 3831144112.3/36

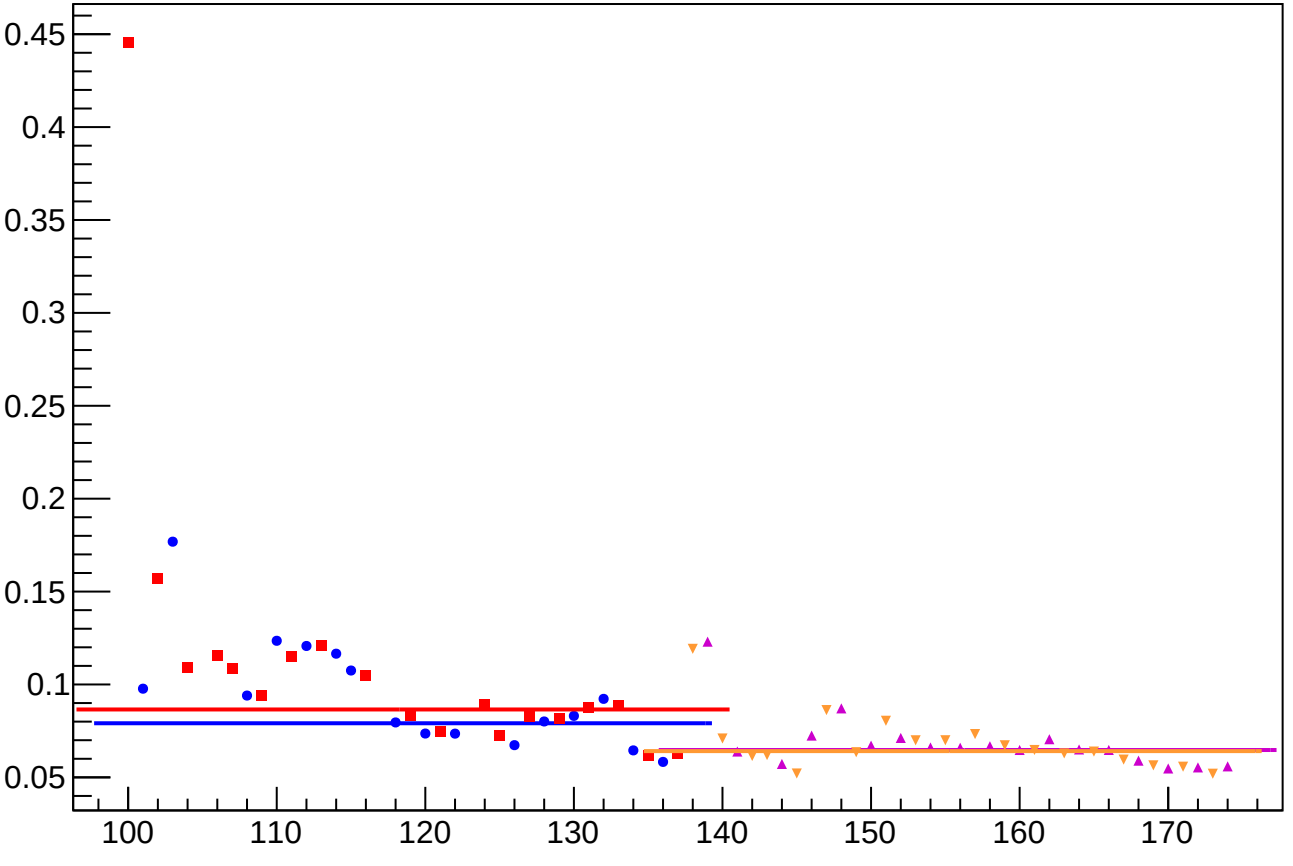
Right: 14.749+/-0.000 χ^2/NDF: 2945878863.1/34

In: 15.376+/-0.000 χ^2/NDF:3644983451.9/33

Out: 15.376+/-0.000 χ^2/NDF:4026234783.5/37

All: 15.376+/-0.000 χ^2/NDF: 7671218489.4/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 918198.7/15

Left Out: 0.064+/-0.000 χ^2/NDF:733966.5/18

Right Out: 0.087+/-0.000 χ^2/NDF: 793345.8/18

Left In: 0.065+/-0.000 χ^2/NDF:674639.0/17

Left: 0.064+/-0.000 χ^2/NDF: 1409652.8/36

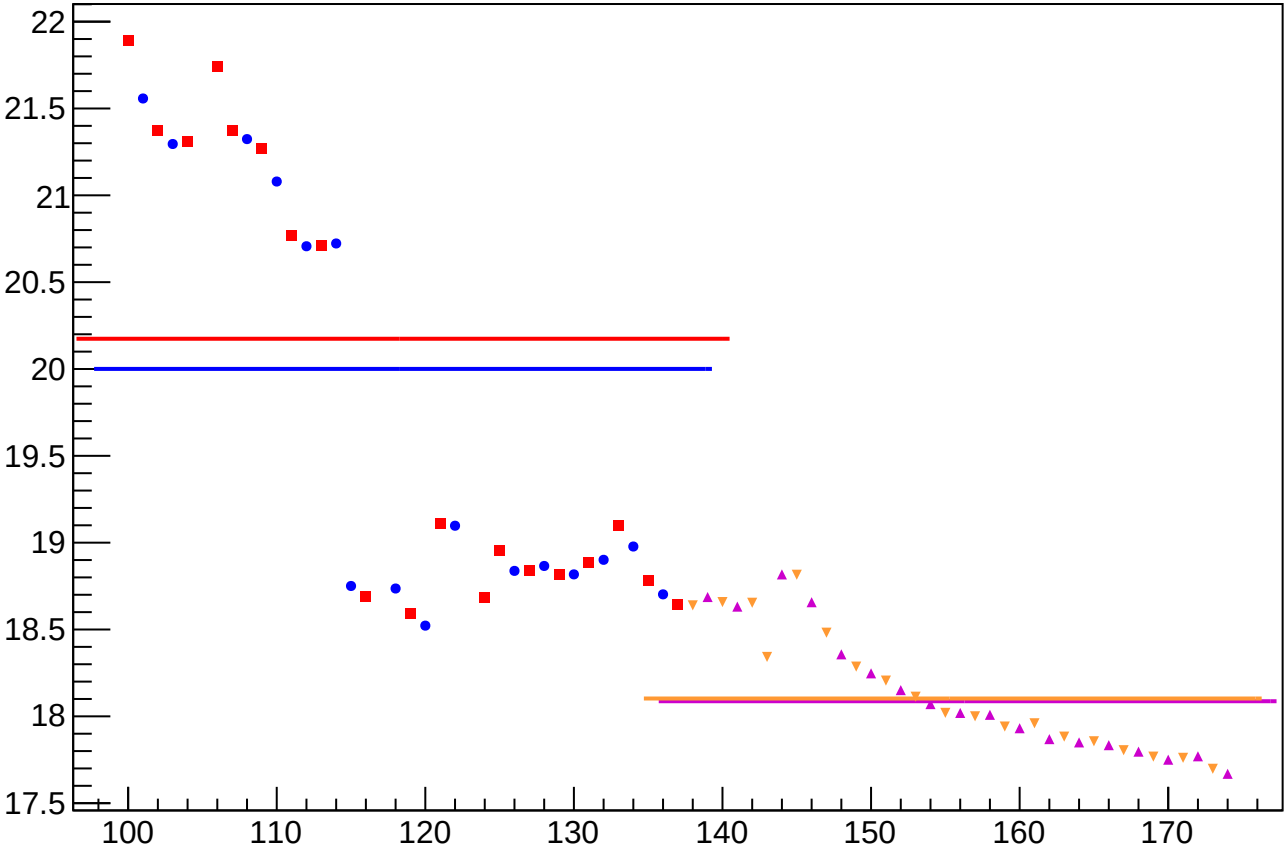
Right: 0.083+/-0.000 χ^2/NDF: 1759748.9/34

In: 0.068+/-0.000 χ^2/NDF:1889148.7/33

Out: 0.069+/-0.000 χ^2/NDF:2176957.6/37

All: 0.069+/-0.000 χ^2/NDF: 4068106.6/71

yield_sam5_mean vs Slug, Sign Corrected



Right In: 20.001+/-0.000 χ^2/NDF: 10878846617.7/15

Left Out: 18.103+/-0.000 χ^2/NDF:1719667049.3/18

Right Out: 20.174+/-0.000 χ^2/NDF: 10426322430.8/18

Left In: 18.087+/-0.000 χ^2/NDF:1796734016.4/17

Left: 18.095+/-0.000 χ^2/NDF: 3518204377.2/36

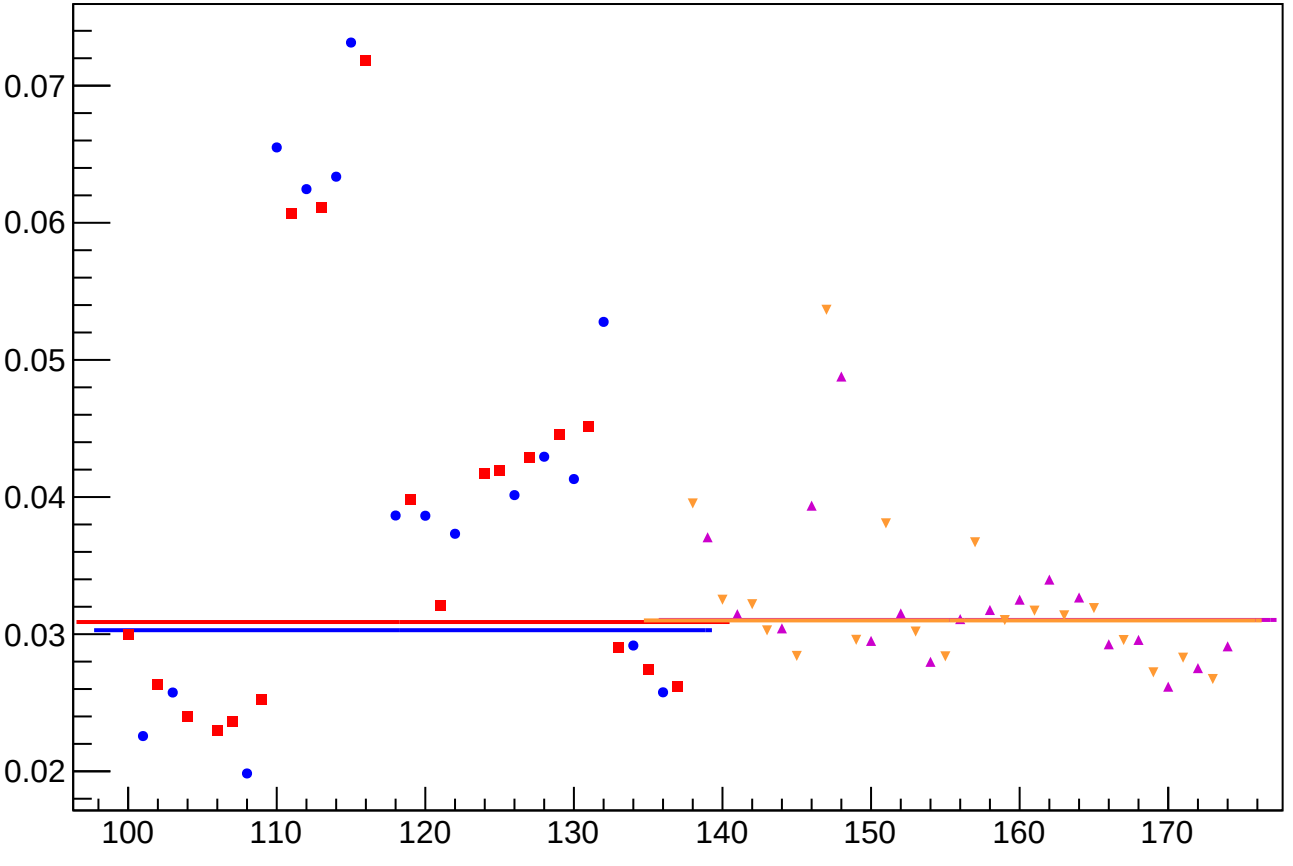
Right: 20.087+/-0.000 χ^2/NDF: 21403297693.7/34

In: 18.677+/-0.000 χ^2/NDF:29132800566.7/33

Out: 18.738+/-0.000 χ^2/NDF:31541506117.8/37

All: 18.708+/-0.000 χ^2/NDF: 60713391454.8

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:572671.6/18

Right Out: 0.031+/-0.000 χ^2/NDF: 1204729.6/18

Left In: 0.031+/-0.000 χ^2/NDF:466247.3/17

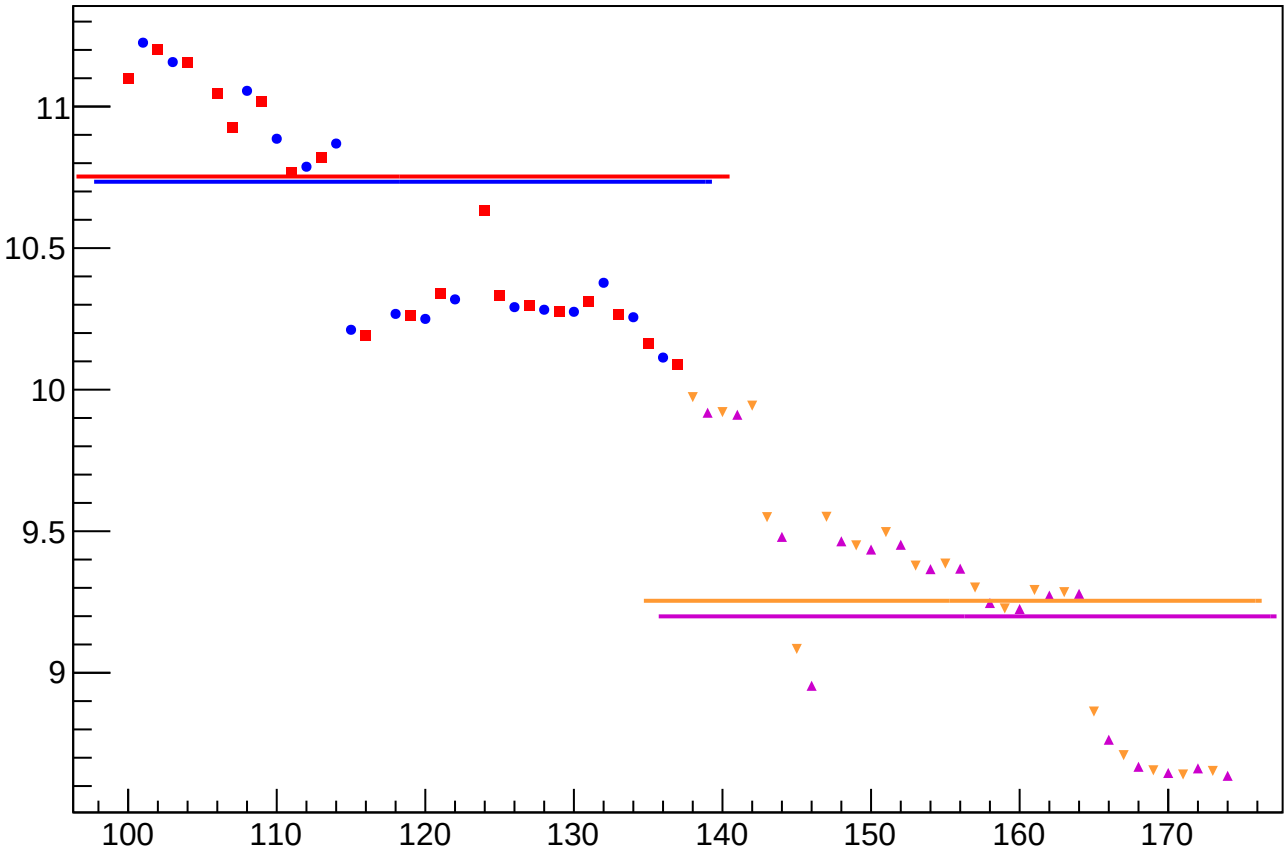
Left: 0.031+/-0.000 χ^2/NDF: 1038936.2/36

Right: 0.031+/-0.000 χ^2/NDF: 2654419.8/34

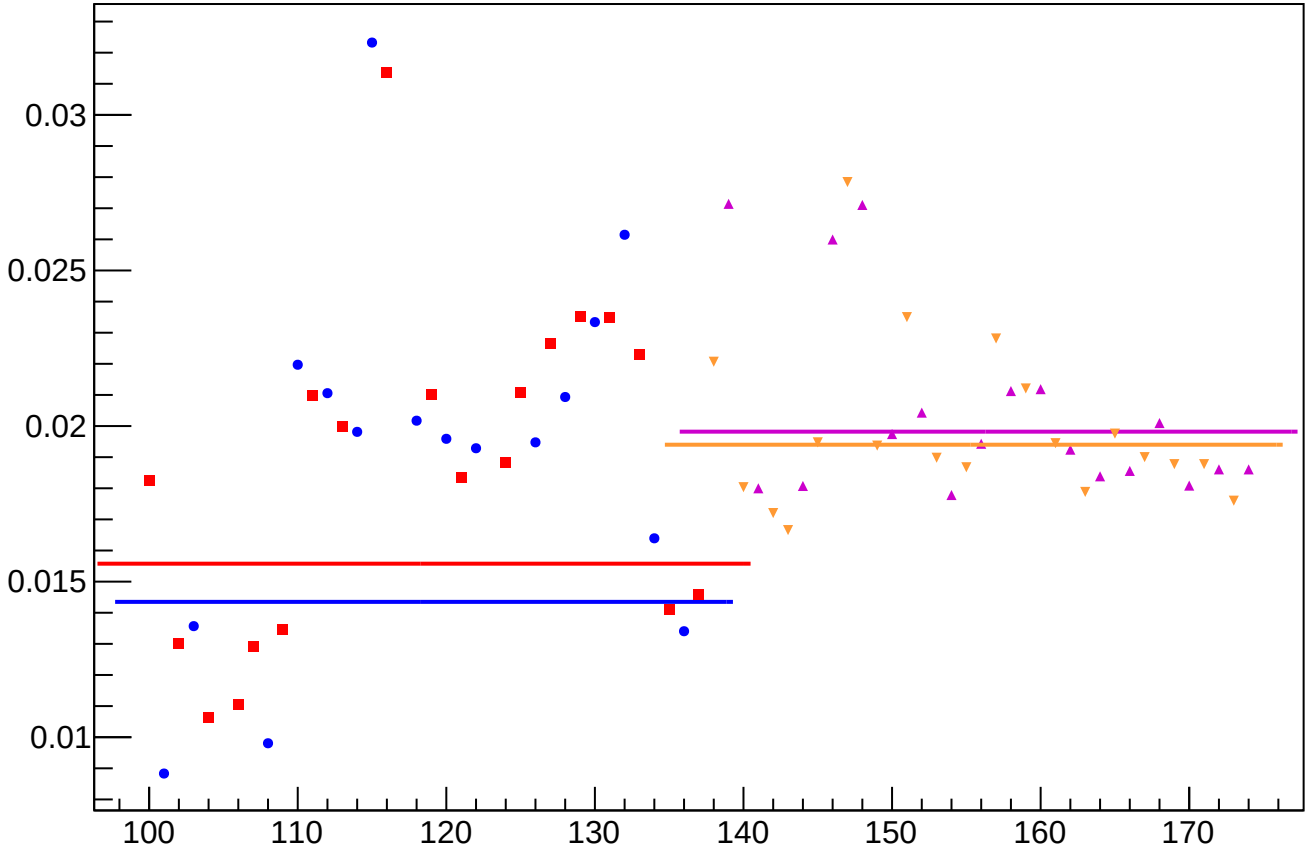
In: 0.031+/-0.000 χ^2/NDF:1918644.0/33

Out: 0.031+/-0.000 χ^2/NDF:1777524.3/37

All: 0.031+/-0.000 χ^2/NDF: 3696712.9/71


yield_sam6_mean vs Slug, Sign Corrected
11
10.5
10
9.5
9
100
110
120
130
140
150
160
170
Right In: 10.734+/-0.000 χ²/NDF: 5879444478.4/15
Left Out: 9.254+/-0.000 χ²/NDF:6290416483.8/18
Right Out: 10.753+/-0.000 χ²/NDF: 4344265704.2/18
Left In: 9.199+/-0.000 χ²/NDF:5452184485.3/17
Left: 9.228+/-0.000 χ²/NDF: 11795927066.5/36
Right: 10.743+/-0.000 χ²/NDF: 10228218714.9/34
In: 9.884+/-0.000 χ²/NDF:47366423781.3/33
Out: 9.874+/-0.000 χ²/NDF:44224445675.6/37
All: 9.879+/-0.000 χ²/NDF: 91594119071.1/7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1481790.8/15

Left Out: 0.019+/-0.000 χ^2/NDF:353386.1/18

Right Out: 0.016+/-0.000 χ^2/NDF: 1071979.1/18

Left In: 0.020+/-0.000 χ^2/NDF:433150.0/17

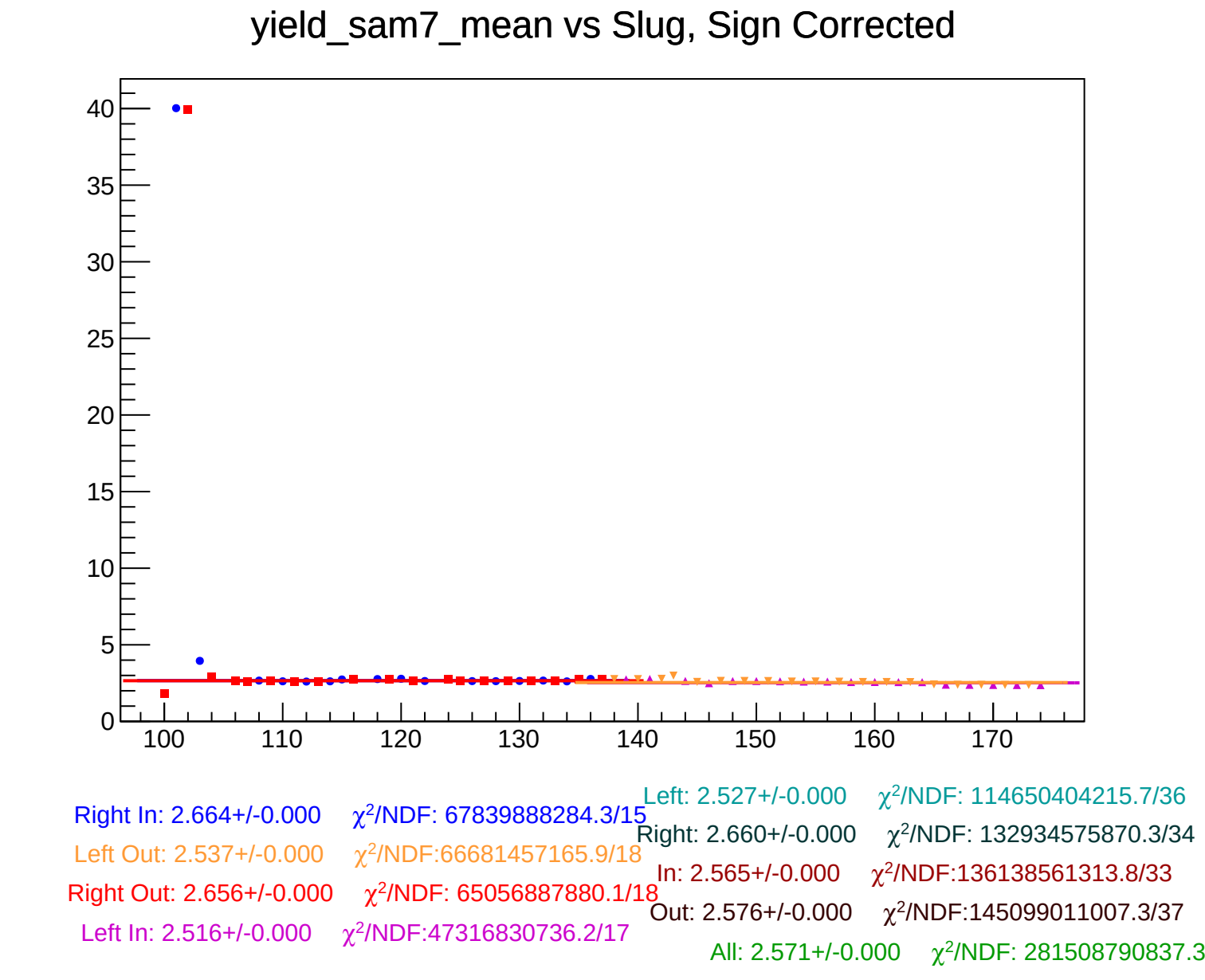
Left: 0.020+/-0.000 χ^2/NDF: 792728.8/36

Right: 0.015+/-0.000 χ^2/NDF: 2593711.2/34

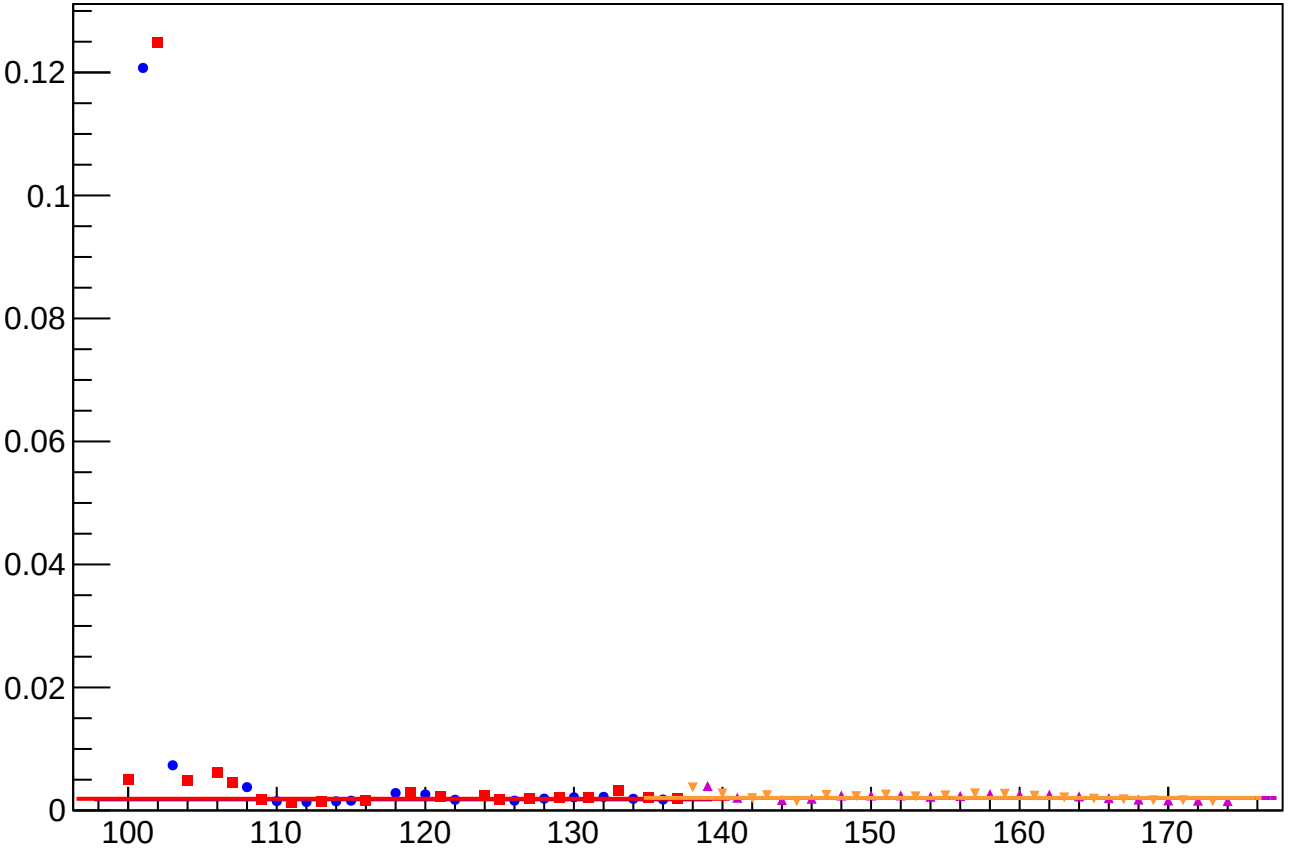
In: 0.017+/-0.000 χ^2/NDF:2830149.5/33

Out: 0.018+/-0.000 χ^2/NDF:1862783.0/37

All: 0.018+/-0.000 χ^2/NDF: 4704910.0/71


yield_sam7_mean vs Slug, Sign Corrected
40
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 2.664+/-0.000 χ²/NDF: 67839888284.3/15
Left Out: 2.537+/-0.000 χ²/NDF:66681457165.9/18
Right Out: 2.656+/-0.000 χ²/NDF: 65056887880.1/18
Left In: 2.516+/-0.000 χ²/NDF:47316830736.2/17
Left: 2.527+/-0.000 χ²/NDF: 114650404215.7/36
Right: 2.660+/-0.000 χ²/NDF: 132934575870.3/34
In: 2.565+/-0.000 χ²/NDF:136138561313.8/33
Out: 2.576+/-0.000 χ²/NDF:145099011007.3/37
All: 2.571+/-0.000 χ²/NDF: 281508790837.3

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1822680.9/15

Left Out: 0.002+/-0.000 χ^2/NDF:1370488.6/18

Right Out: 0.002+/-0.000 χ^2/NDF: 2525514.7/18

Left In: 0.002+/-0.000 χ^2/NDF:1209241.7/17

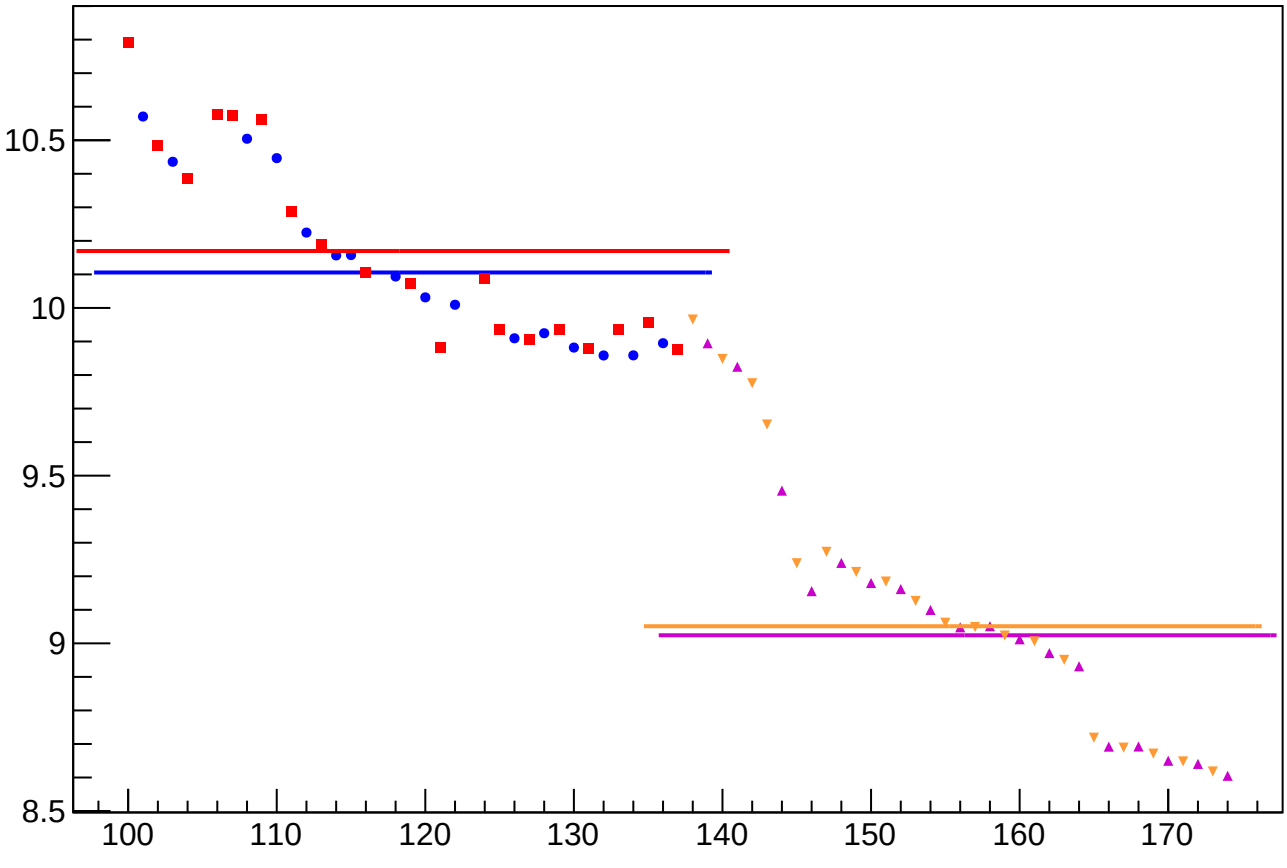
Left: 0.002+/-0.000 χ^2/NDF: 2580428.1/36

Right: 0.002+/-0.000 χ^2/NDF: 4358433.6/34

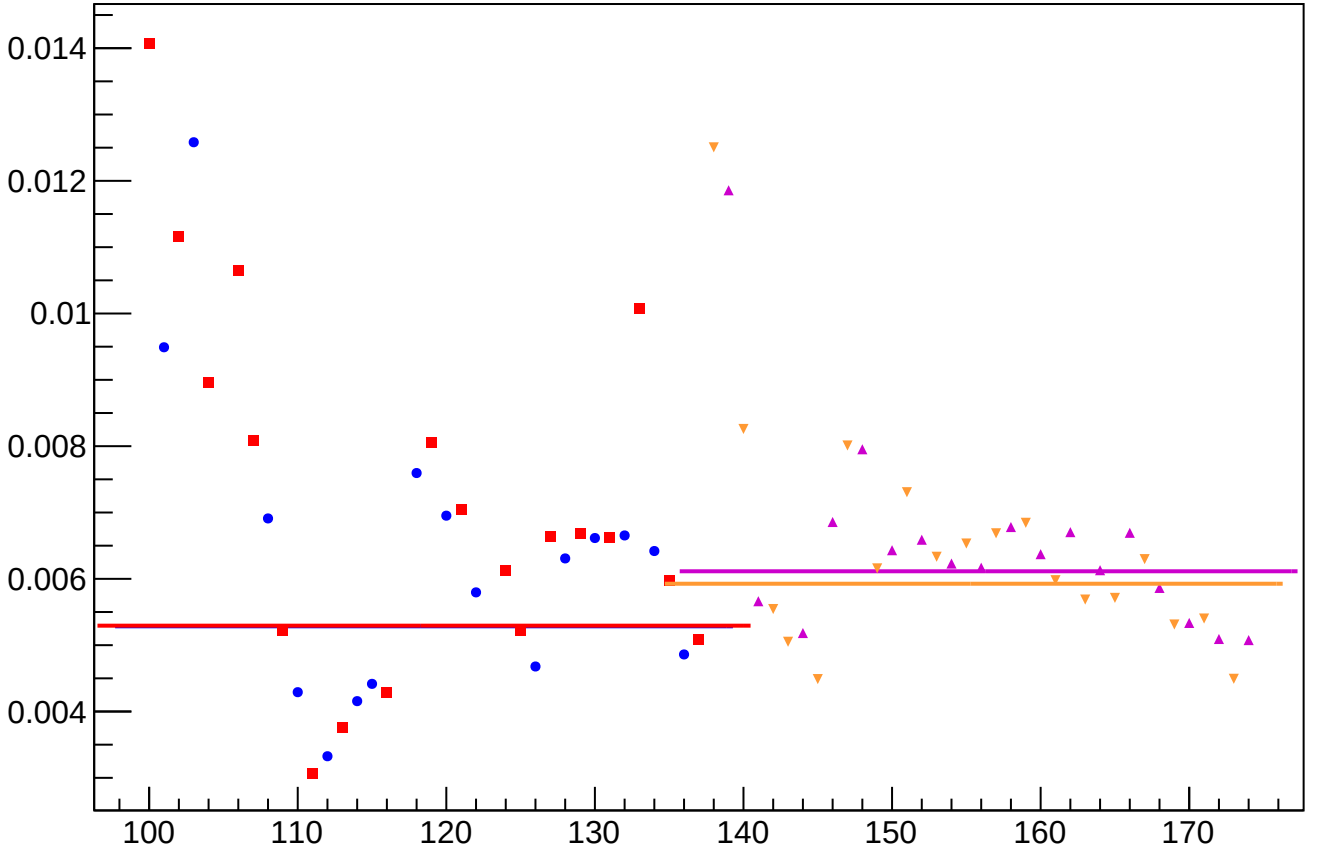
In: 0.002+/-0.000 χ^2/NDF:3116675.1/33

Out: 0.002+/-0.000 χ^2/NDF:3933201.8/37

All: 0.002+/-0.000 χ^2/NDF: 7056507.7/71


yield_sam8_mean vs Slug, Sign Corrected
10.5
10
9.5
9
8.5
100
110
120
130
140
150
160
170
Right In: 10.106+/-0.000 χ²/NDF: 9126550621.3/15
Left Out: 9.051+/-0.000 χ²/NDF:43845790195.3/18
Right Out: 10.170+/-0.000 χ²/NDF: 9135610954.1/18
Left In: 9.024+/-0.000 χ²/NDF:38580401128.0/17
Left: 9.038+/-0.000 χ²/NDF: 82545870273.3/36
Right: 10.138+/-0.000 χ²/NDF: 18662438112.6/34
In: 9.432+/-0.000 χ²/NDF:188605349027.6/33
Out: 9.461+/-0.000 χ²/NDF:209008950329.1/37
All: 9.447+/-0.000 χ²/NDF: 397835243136.1

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:1030286.7/18

Right Out: 0.005+/-0.000 χ^2/NDF: 1792250.8/18

Left In: 0.006+/-0.000 χ^2/NDF:704711.6/17

Left: 0.006+/-0.000 χ^2/NDF: 1746613.7/36

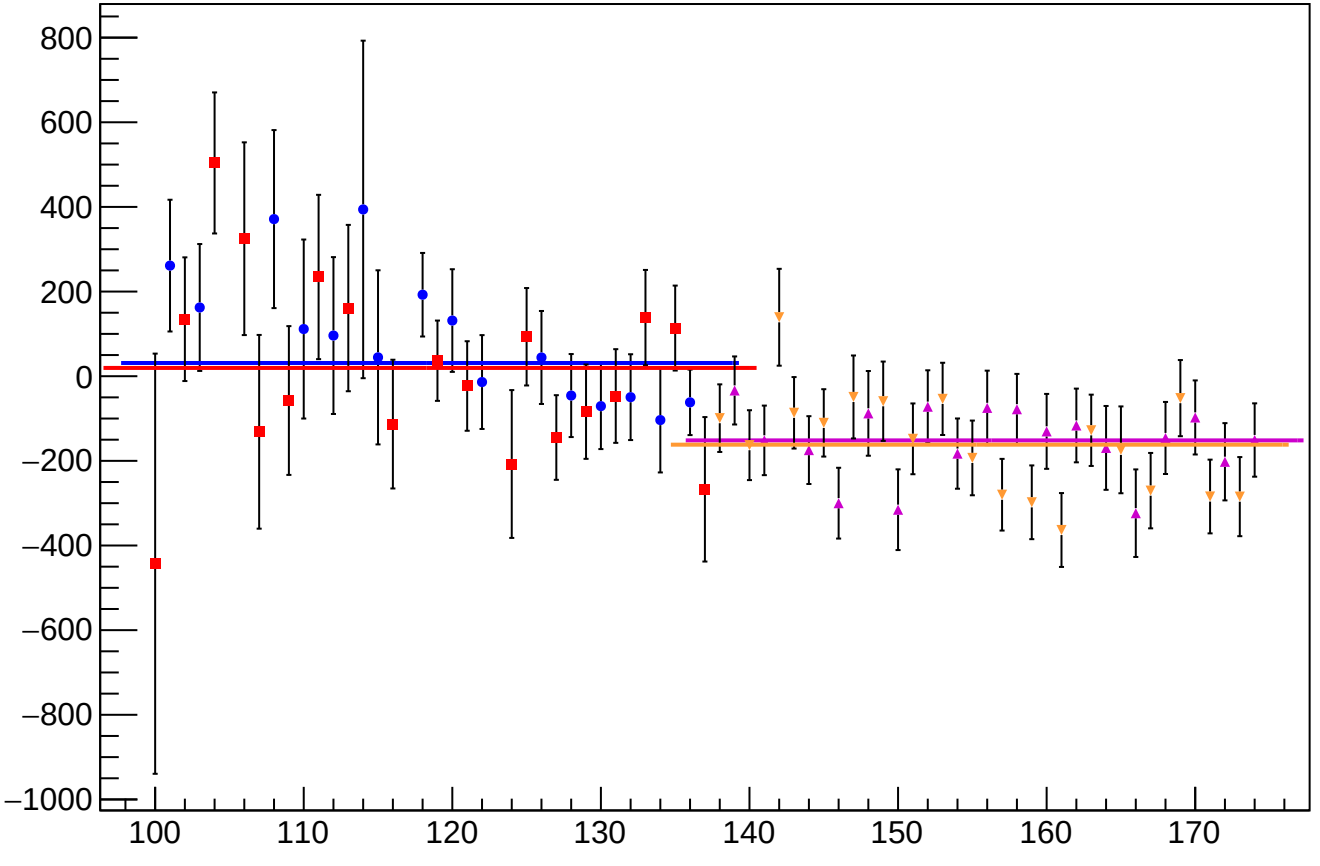
Right: 0.005+/-0.000 χ^2/NDF: 3066401.4/34

In: 0.006+/-0.000 χ^2/NDF:2144589.8/33

Out: 0.006+/-0.000 χ^2/NDF:2922188.5/37

All: 0.006+/-0.000 χ^2/NDF: 5072739.5/71

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.249+/-30.786 χ^2/NDF: 15.1/15

Left Out: -161.764+/-20.249 χ^2/NDF:29.6/18

Right Out: 19.573+/-31.059 χ^2/NDF: 25.9/18

Left In: -151.632+/-20.667 χ^2/NDF:15.0/17

Left: -156.802+/-14.464 χ^2/NDF: 44.7/36

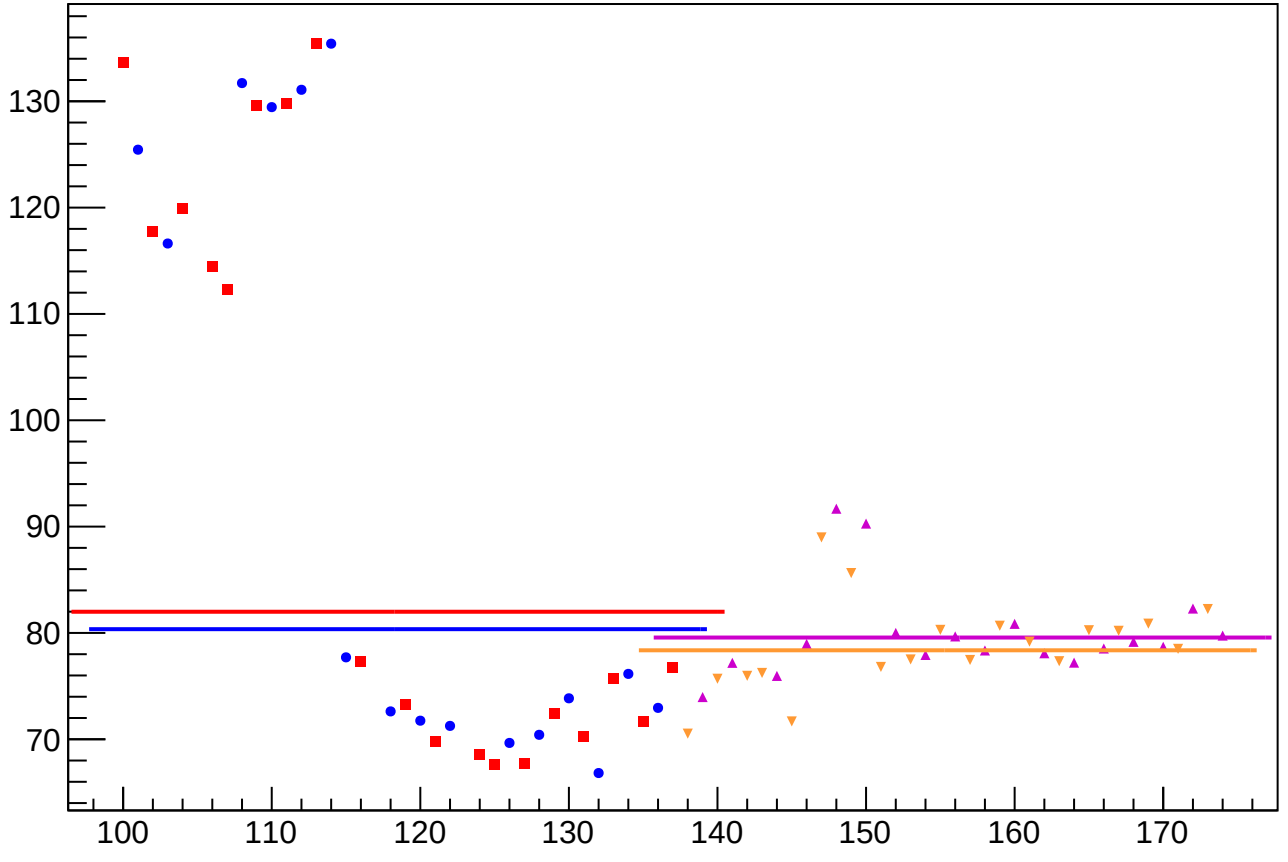
Right: 25.463+/-21.865 χ^2/NDF: 41.1/34

In: -94.819+/-17.159 χ^2/NDF:54.4/33

Out: -107.675+/-16.963 χ^2/NDF:79.4/37

All: -101.321+/-12.063 χ^2/NDF: 134.1/71

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.5/15

Left Out: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.993+/-0.022 χ^2/NDF: 932337.7/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

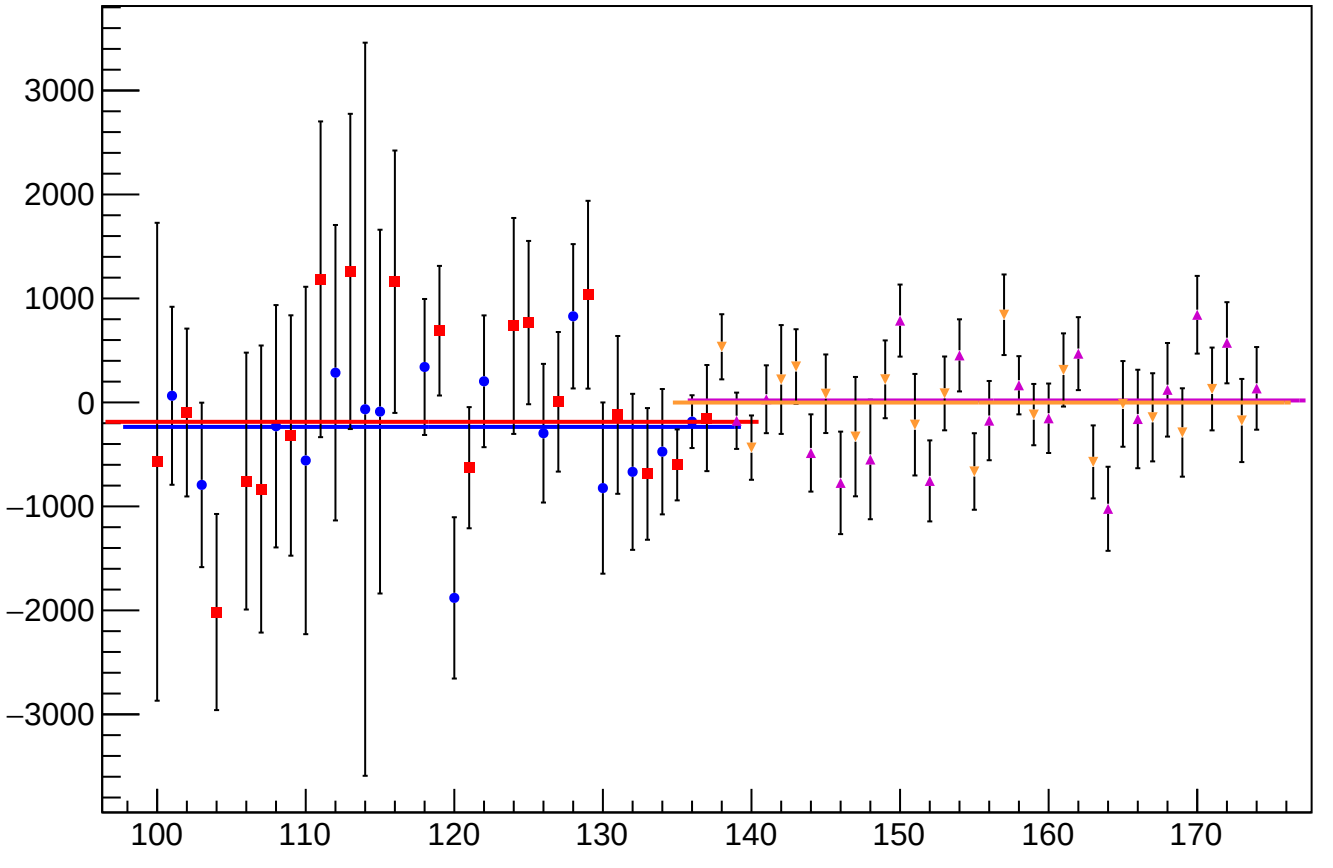
Left: 78.955+/-0.010 χ^2/NDF: 162779.3/36

Right: 81.166+/-0.015 χ^2/NDF: 1775186.5/34

In: 79.811+/-0.012 χ^2/NDF:916666.3/33

Out: 79.449+/-0.012 χ^2/NDF:1035079.4/37

All: 79.628+/-0.009 χ^2/NDF: 1952198.2/71



Right In: -235.521+/-163.765 χ^2/NDF: 9.9/15

Left Out: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: -186.618+/-170.394 χ^2/NDF: 16.0/18

Left In: 18.800+/-86.731 χ^2/NDF:32.6/17

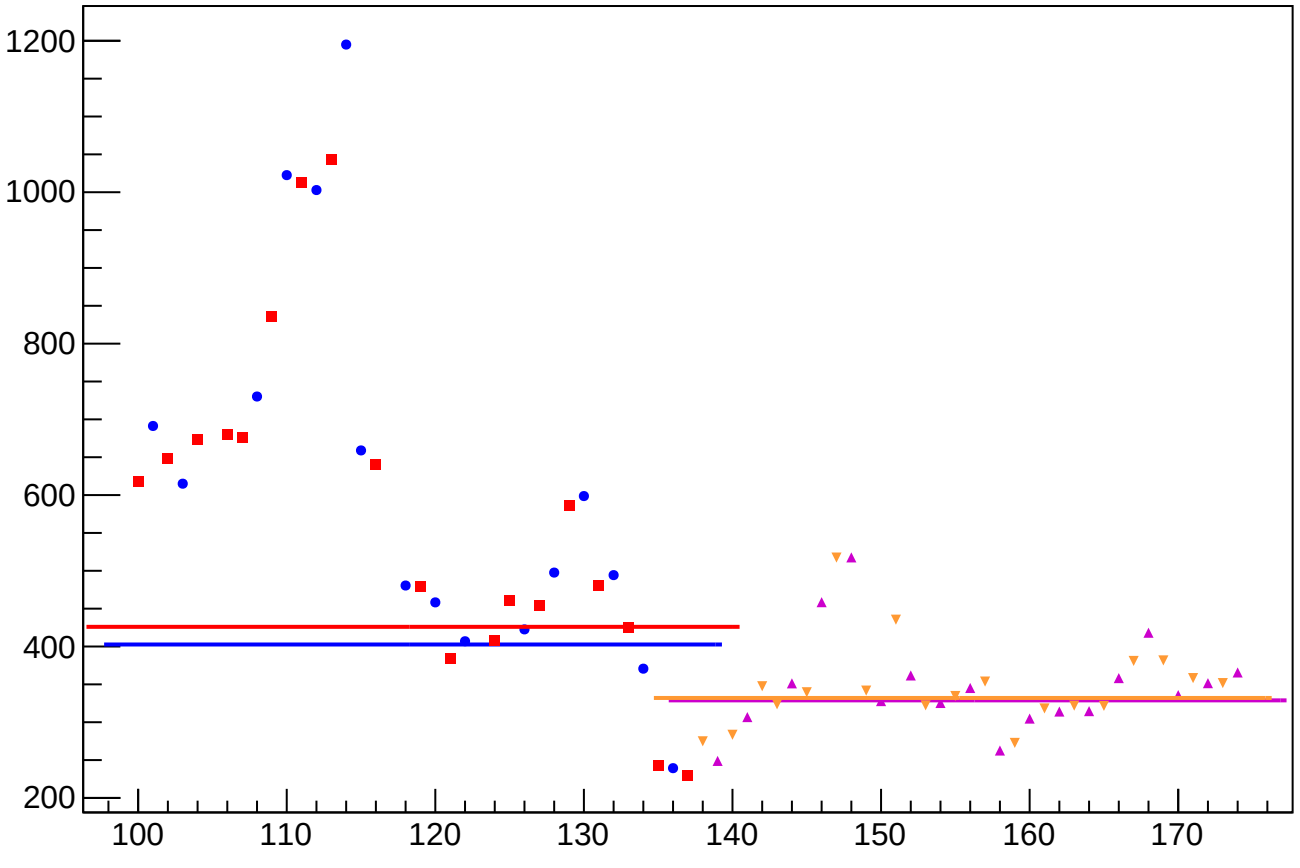
Left: 8.854+/-61.361 χ^2/NDF: 52.1/36

Right: -212.039+/-118.073 χ^2/NDF: 25.9/34

In: -36.908+/-76.646 χ^2/NDF:44.4/33

Out: -39.350+/-77.359 χ^2/NDF:36.3/37

All: -38.117+/-54.447 χ^2/NDF: 80.8/71



Right In: 402.658+/-0.116 χ^2/NDF: 2360092.2/15

Left Out: 332.046+/-0.061 χ^2/NDF:581838.8/18

Right Out: 425.980+/-0.120 χ^2/NDF: 2368792.4/18

Left In: 328.867+/-0.061 χ^2/NDF:802745.8/17

Left: 330.455+/-0.043 χ^2/NDF: 1385926.3/36

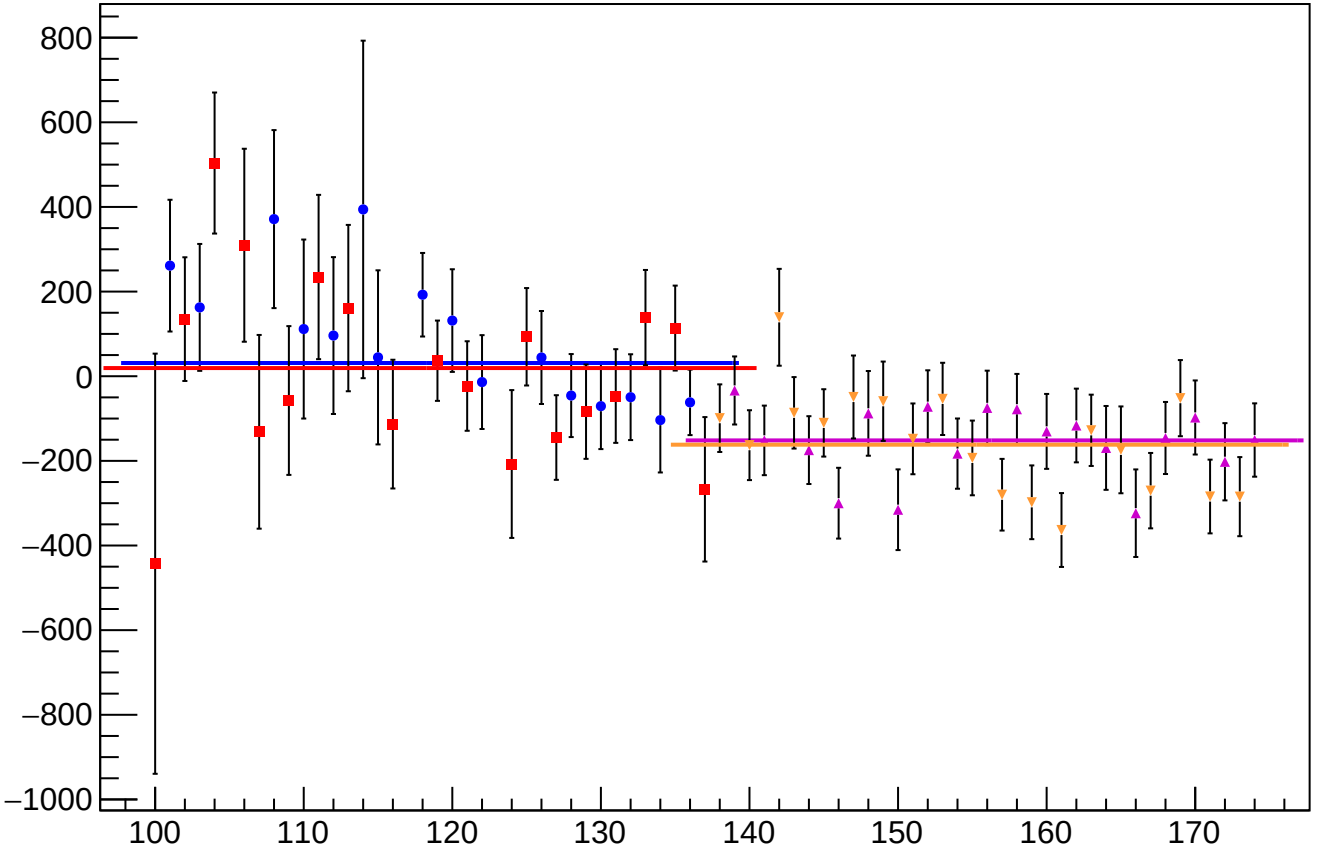
Right: 413.856+/-0.083 χ^2/NDF: 4748361.6/34

In: 345.031+/-0.054 χ^2/NDF:3479951.7/33

Out: 351.407+/-0.055 χ^2/NDF:3433158.5/37

All: 348.189+/-0.039 χ^2/NDF: 6919967.6/71

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -161.762+/-20.249 χ^2/NDF:29.6/18

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.636+/-20.667 χ^2/NDF:15.0/17

Left: -156.802+/-14.464 χ^2/NDF: 44.7/36

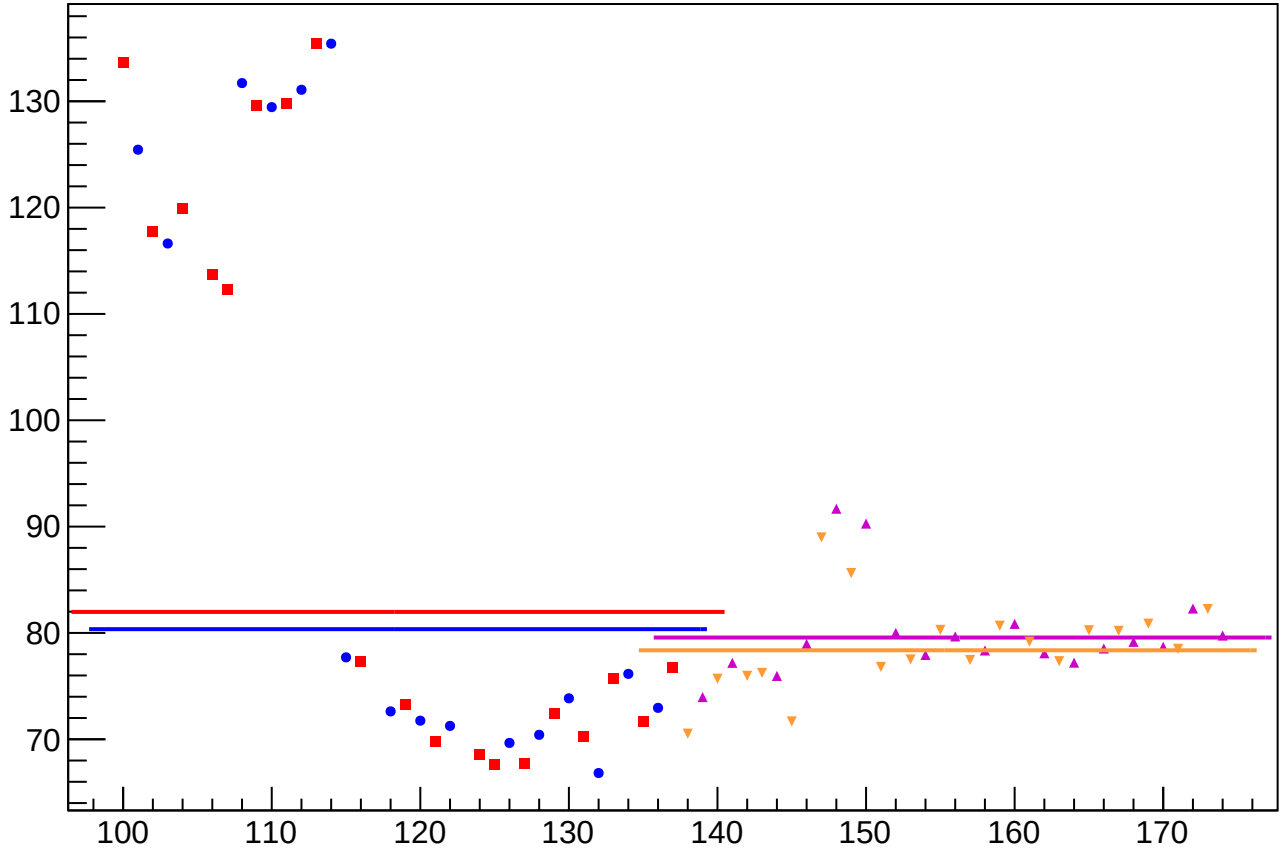
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.819+/-17.159 χ^2/NDF:54.4/33

Out: -107.763+/-16.963 χ^2/NDF:79.2/37

All: -101.365+/-12.063 χ^2/NDF: 133.9/71

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

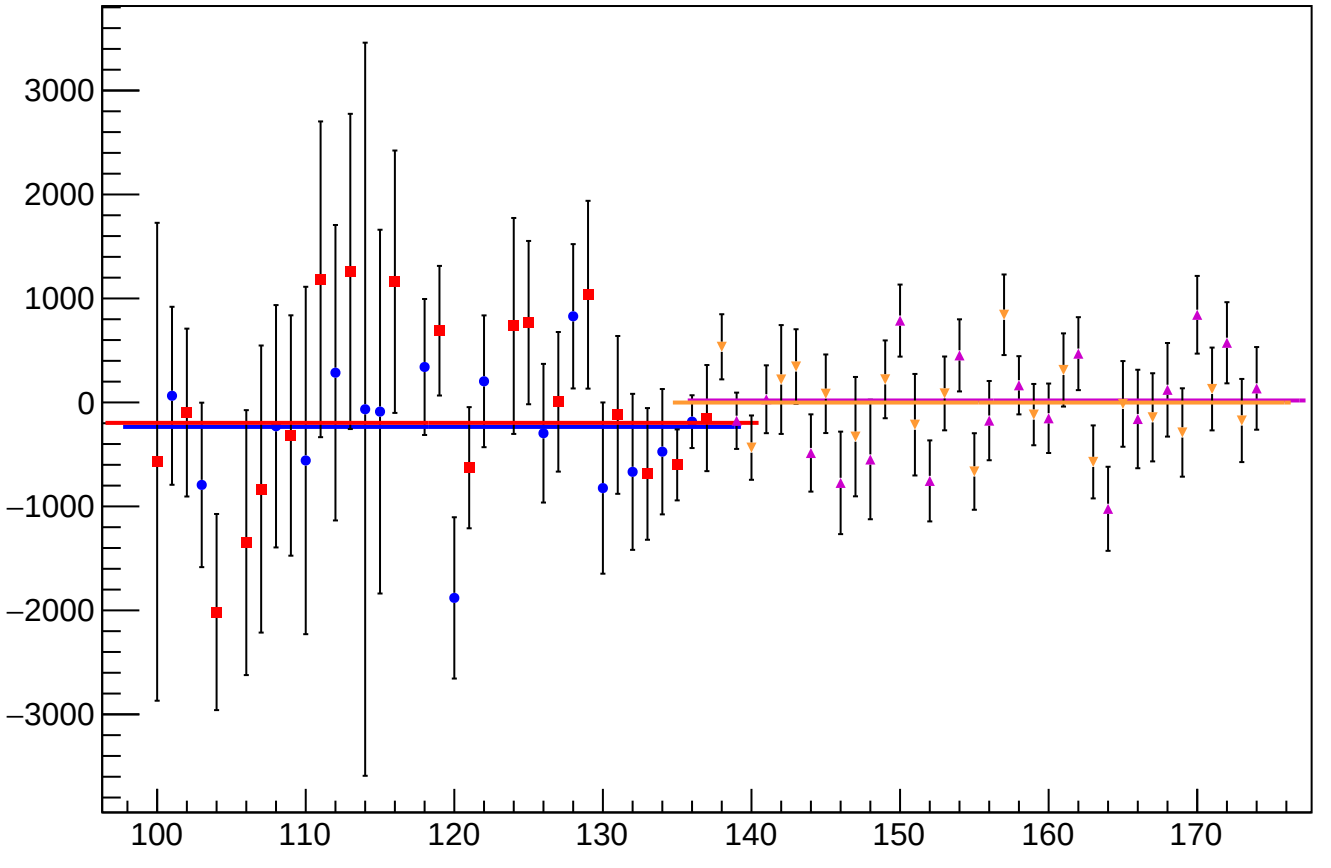
Left: 78.955+/-0.010 χ^2/NDF: 162779.3/36

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.811+/-0.012 χ^2/NDF:916666.5/33

Out: 79.444+/-0.012 χ^2/NDF:1033049.1/37

All: 79.626+/-0.009 χ^2/NDF: 1950179.4/71



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 18.795+/-86.731 χ^2/NDF:32.6/17

Left: 8.851+/-61.361 χ^2/NDF: 52.1/36

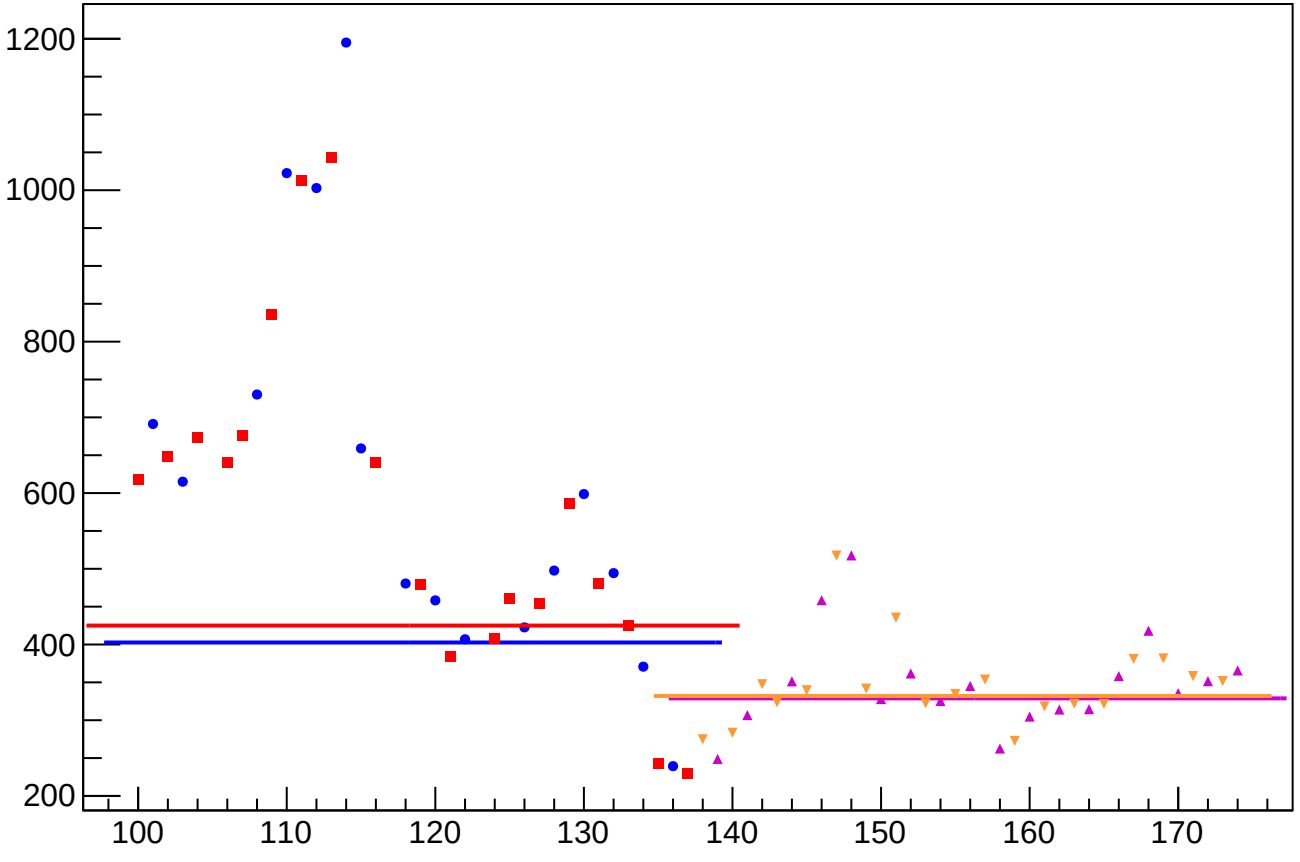
Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -36.911+/-76.646 χ^2/NDF:44.4/33

Out: -41.366+/-77.369 χ^2/NDF:37.1/37

All: -39.118+/-54.450 χ^2/NDF: 81.5/71

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.046+/-0.061 χ^2/NDF:581846.4/18

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

Left: 330.455+/-0.043 χ^2/NDF: 1385933.5/36

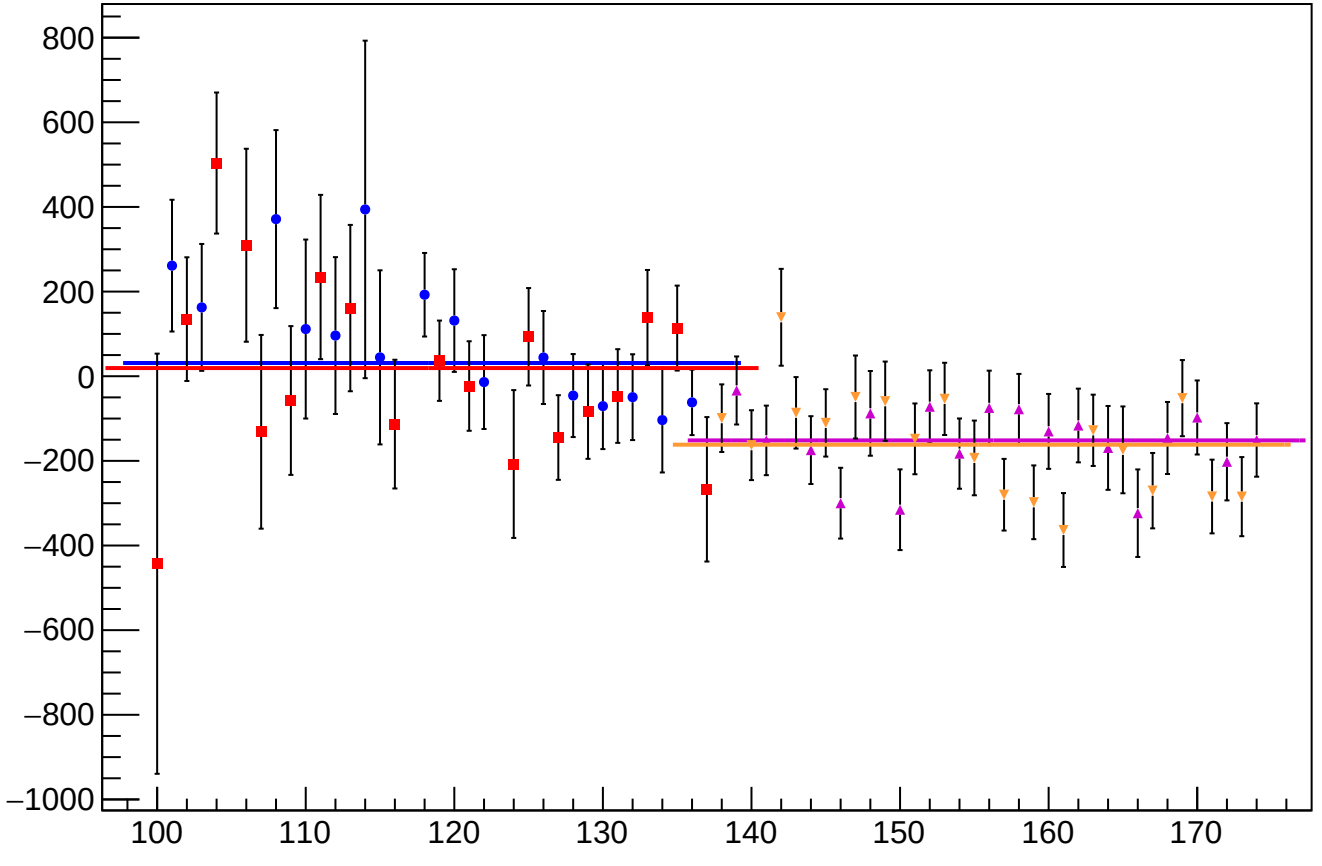
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.031+/-0.054 χ^2/NDF:3479947.7/33

Out: 351.185+/-0.055 χ^2/NDF:3394834.0/37

All: 348.079+/-0.039 χ^2/NDF: 6881168.8/71

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: 31.260+/-30.786 χ^2/NDF: 15.1/15

Left Out: -161.762+/-20.249 χ^2/NDF:29.6/18

Right Out: 19.282+/-31.060 χ^2/NDF: 25.7/18

Left In: -151.636+/-20.667 χ^2/NDF:15.0/17

Left: -156.802+/-14.464 χ^2/NDF: 44.7/36

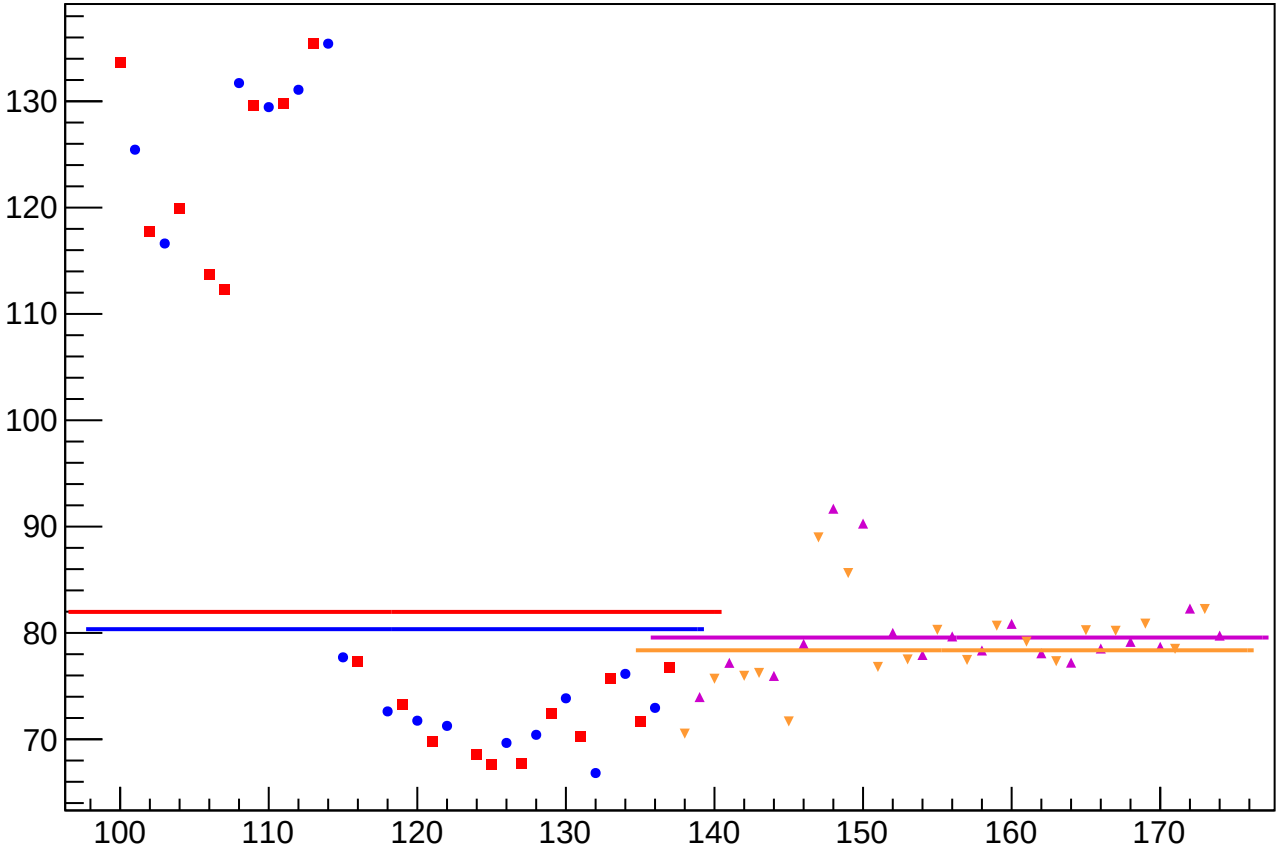
Right: 25.324+/-21.865 χ^2/NDF: 40.9/34

In: -94.819+/-17.159 χ^2/NDF:54.4/33

Out: -107.763+/-16.963 χ^2/NDF:79.2/37

All: -101.365+/-12.063 χ^2/NDF: 133.9/71

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.354+/-0.022 χ^2/NDF: 840039.7/15

Left Out: 78.367+/-0.014 χ^2/NDF:83613.4/18

Right Out: 81.978+/-0.022 χ^2/NDF: 930466.5/18

Left In: 79.567+/-0.015 χ^2/NDF:75725.8/17

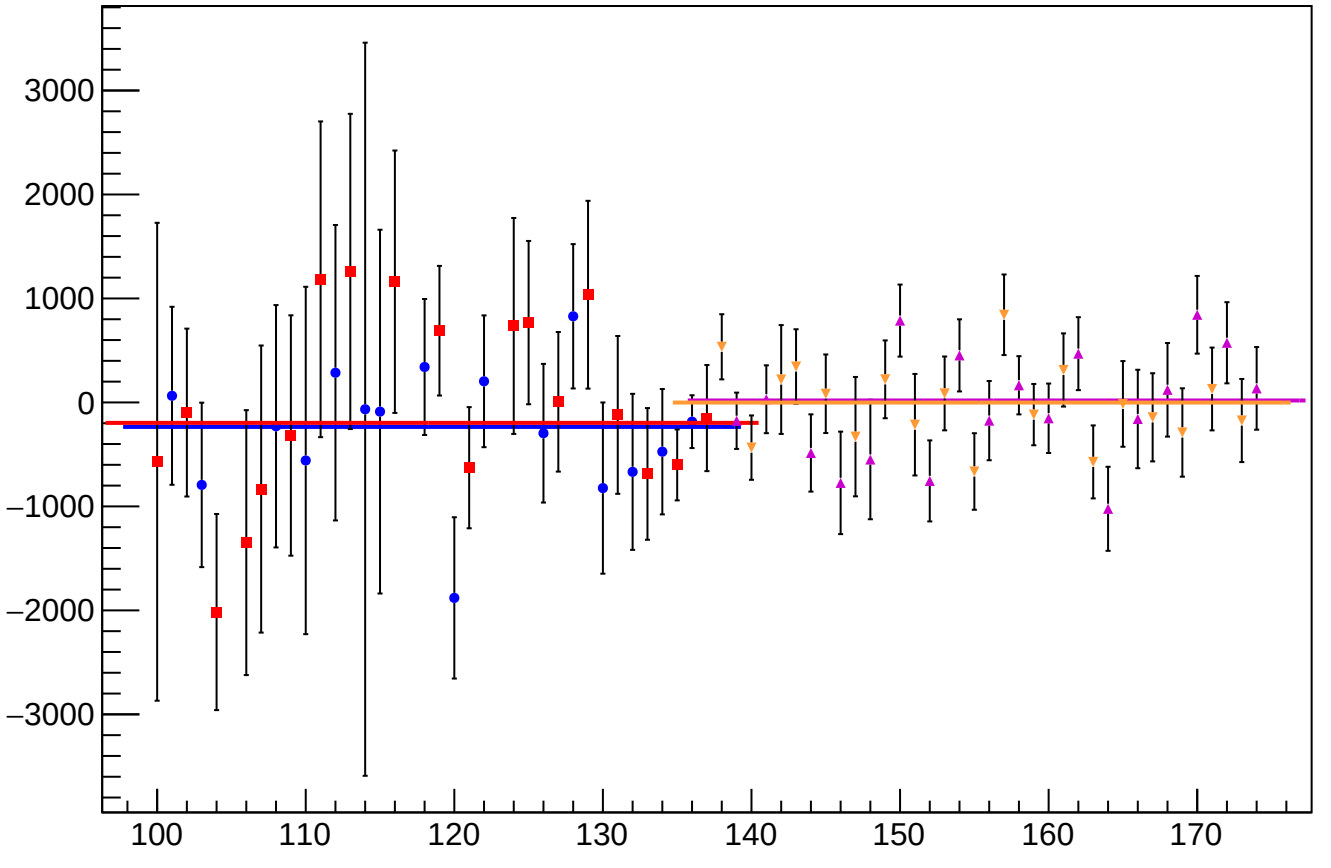
Left: 78.955+/-0.010 χ^2/NDF: 162779.3/36

Right: 81.159+/-0.015 χ^2/NDF: 1773264.0/34

In: 79.811+/-0.012 χ^2/NDF:916666.5/33

Out: 79.444+/-0.012 χ^2/NDF:1033049.1/37

All: 79.626+/-0.009 χ^2/NDF: 1950179.4/71



Right In: -235.519+/-163.765 χ^2/NDF: 9.9/15

Left Out: -1.114+/-86.823 χ^2/NDF:19.4/18

Right Out: -196.579+/-170.492 χ^2/NDF: 16.6/18

Left In: 18.795+/-86.731 χ^2/NDF:32.6/17

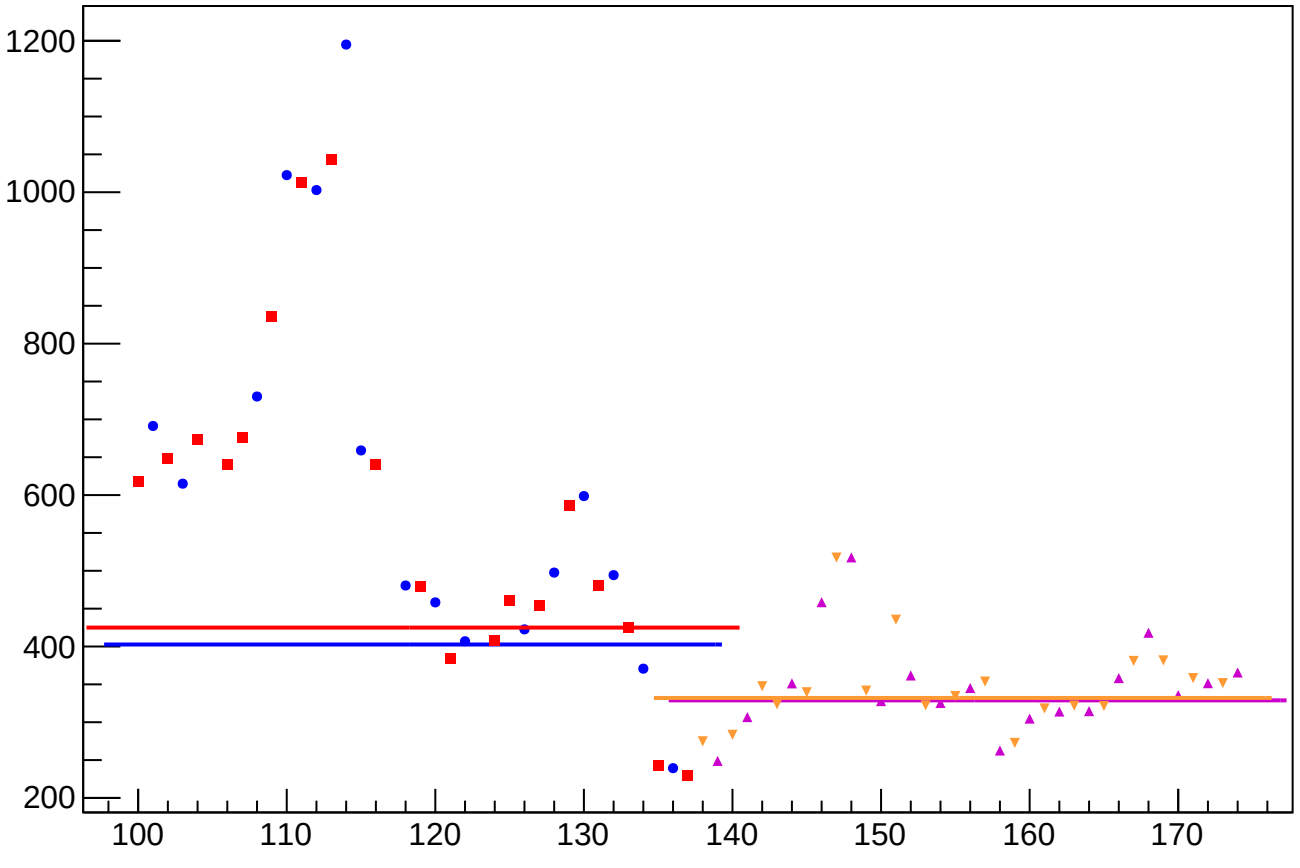
Left: 8.851+/-61.361 χ^2/NDF: 52.1/36

Right: -216.832+/-118.106 χ^2/NDF: 26.5/34

In: -36.911+/-76.646 χ^2/NDF:44.4/33

Out: -41.366+/-77.369 χ^2/NDF:37.1/37

All: -39.118+/-54.450 χ^2/NDF: 81.5/71



Right In: 402.658+/-0.116 χ^2/NDF: 2360087.3/15

Left Out: 332.046+/-0.061 χ^2/NDF:581846.4/18

Right Out: 424.988+/-0.121 χ^2/NDF: 2341027.2/18

Left In: 328.867+/-0.061 χ^2/NDF:802745.6/17

Left: 330.455+/-0.043 χ^2/NDF: 1385933.5/36

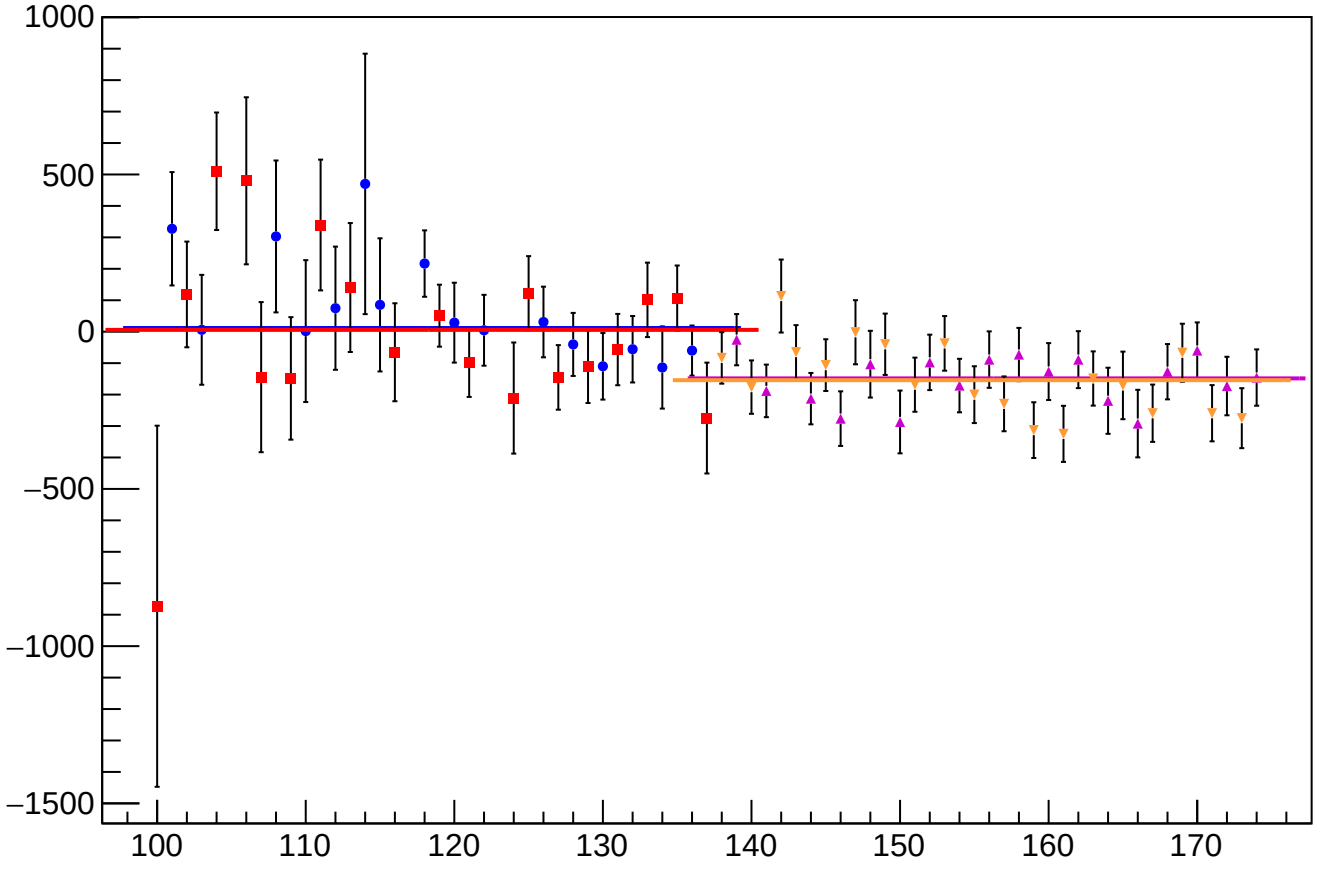
Right: 413.374+/-0.084 χ^2/NDF: 4718958.6/34

In: 345.031+/-0.054 χ^2/NDF:3479947.7/33

Out: 351.185+/-0.055 χ^2/NDF:3394834.0/37

All: 348.079+/-0.039 χ^2/NDF: 6881168.8/71

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: 11.651+/-32.297 χ^2/NDF: 13.5/15

Left Out: -154.169+/-20.781 χ^2/NDF:26.1/18

Right Out: 5.817+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.475+/-21.268 χ^2/NDF:12.9/17

Left: -151.388+/-14.864 χ^2/NDF: 39.1/36

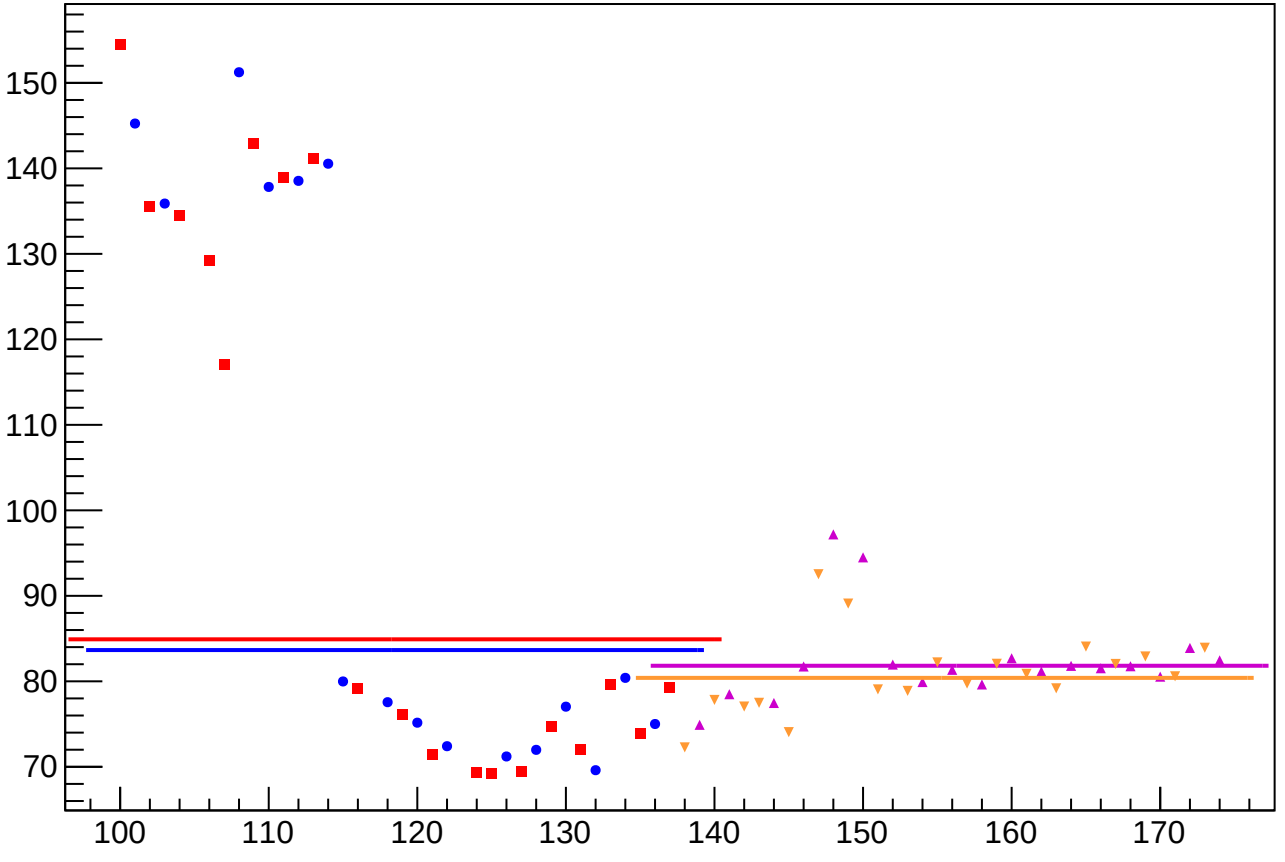
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.041+/-17.763 χ^2/NDF:43.6/33

Out: -107.626+/-17.499 χ^2/NDF:72.1/37

All: -103.890+/-12.466 χ^2/NDF: 115.8/71

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.6/15

Left Out: 80.403+/-0.015 χ^2/NDF:91983.8/18

Right Out: 84.913+/-0.023 χ^2/NDF: 1121669.5/18

Left In: 81.821+/-0.015 χ^2/NDF:101671.9/17

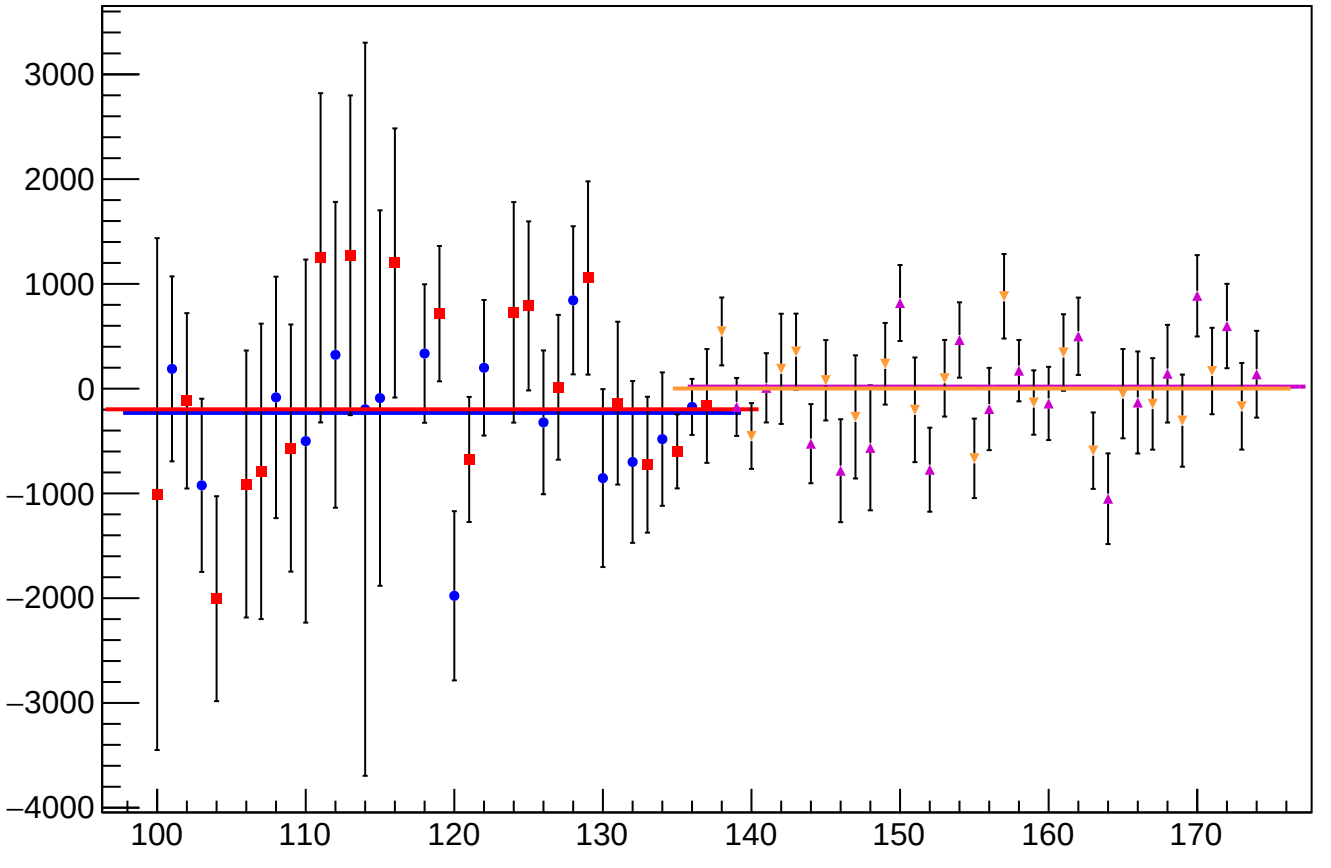
Left: 81.096+/-0.011 χ^2/NDF: 198200.2/36

Right: 84.282+/-0.016 χ^2/NDF: 2157969.4/34

In: 82.376+/-0.013 χ^2/NDF:1140975.6/33

Out: 81.715+/-0.012 χ^2/NDF:1241052.0/37

All: 82.041+/-0.009 χ^2/NDF: 2383432.8/71



Right In: -231.407+/-170.133 χ^2/NDF: 10.4/15

Left Out: 1.455+/-89.440 χ^2/NDF:19.4/18

Right Out: -197.206+/-176.091 χ^2/NDF: 15.9/18

Left In: 19.322+/-89.736 χ^2/NDF:32.4/17

Left: 10.359+/-63.348 χ^2/NDF: 51.7/36

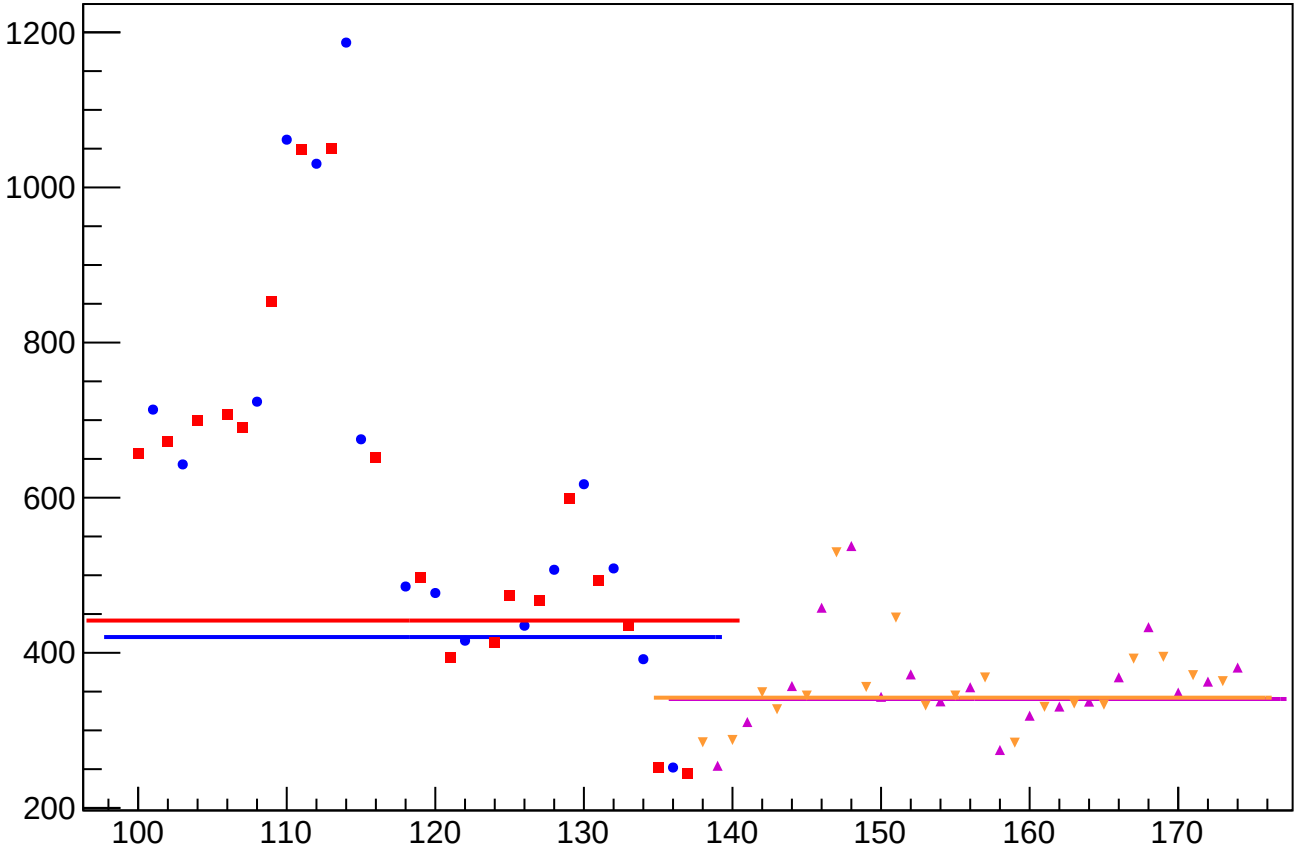
Right: -214.895+/-122.354 χ^2/NDF: 26.3/34

In: -35.249+/-79.372 χ^2/NDF:44.5/33

Out: -39.286+/-79.743 χ^2/NDF:36.3/37

All: -37.258+/-56.255 χ^2/NDF: 80.7/71

asym_sam1_dit_correction_rms vs Slug, Sign Corrected



Right In: 420.329+/-0.120 χ^2/NDF: 2254610.0/15

Left Out: 342.160+/-0.063 χ^2/NDF:574191.9/18

Right Out: 441.598+/-0.125 χ^2/NDF: 2307588.5/18

Left In: 340.460+/-0.063 χ^2/NDF:784444.2/17

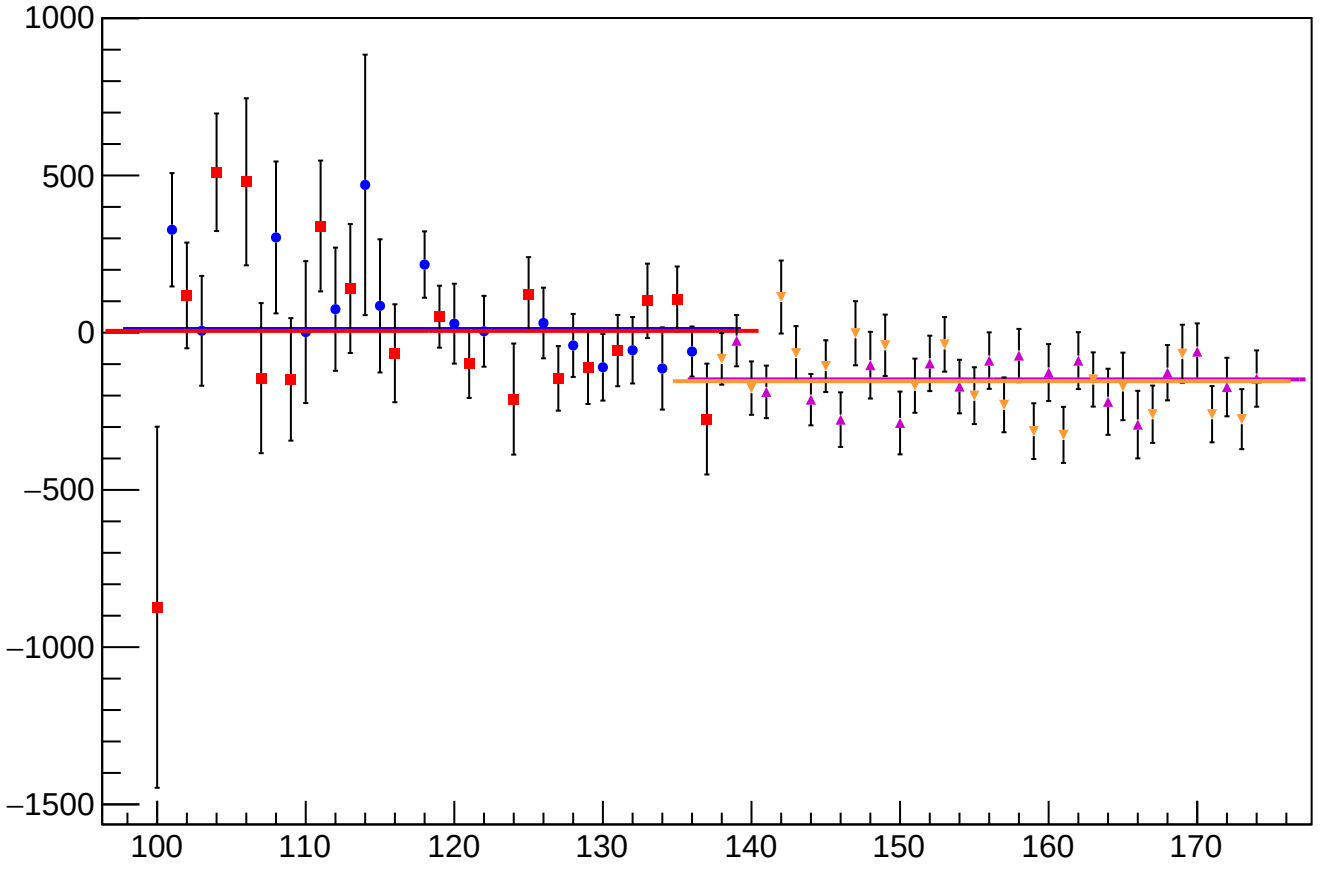
Left: 341.313+/-0.045 χ^2/NDF: 1358995.9/36

Right: 430.598+/-0.087 χ^2/NDF: 4577288.4/34

In: 357.844+/-0.056 χ^2/NDF:3383891.8/33

Out: 362.552+/-0.056 χ^2/NDF:3388755.3/37

All: 360.187+/-0.040 χ^2/NDF: 6776149.5/71



Right In: 11.652+/-32.297 χ^2/NDF: 13.5/15

Left Out: -154.169+/-20.781 χ^2/NDF:26.1/18

Right Out: 5.816+/-32.444 χ^2/NDF: 28.8/18

Left In: -148.475+/-21.268 χ^2/NDF:12.9/17

Left: -151.388+/-14.864 χ^2/NDF: 39.1/36

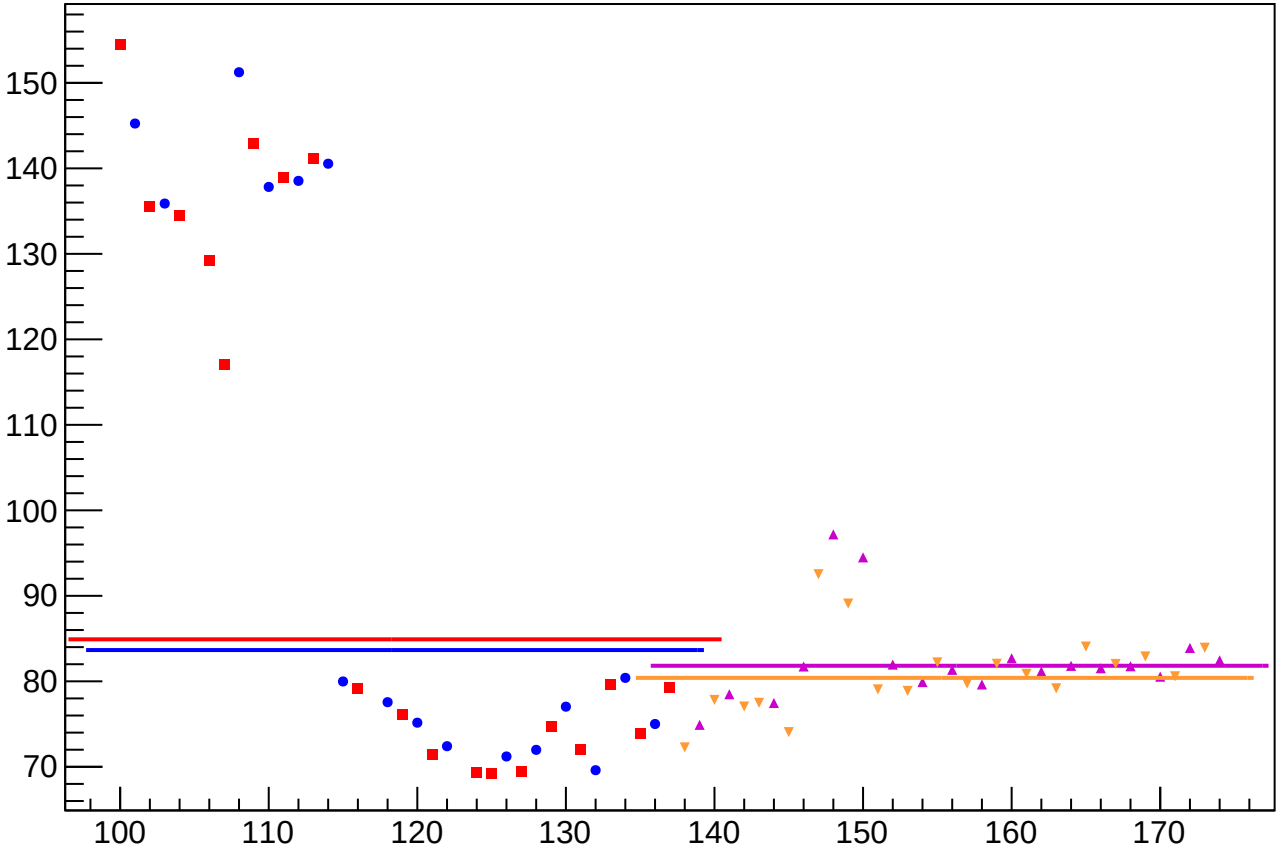
Right: 8.747+/-22.889 χ^2/NDF: 42.3/34

In: -100.040+/-17.763 χ^2/NDF:43.6/33

Out: -107.626+/-17.499 χ^2/NDF:72.1/37

All: -103.890+/-12.466 χ^2/NDF: 115.8/71

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 83.657+/-0.023 χ^2/NDF: 1034794.1/15

Left Out: 80.403+/-0.015 χ^2/NDF:91983.1/18

Right Out: 84.913+/-0.023 χ^2/NDF: 1121668.5/18

Left In: 81.821+/-0.015 χ^2/NDF:101671.1/17

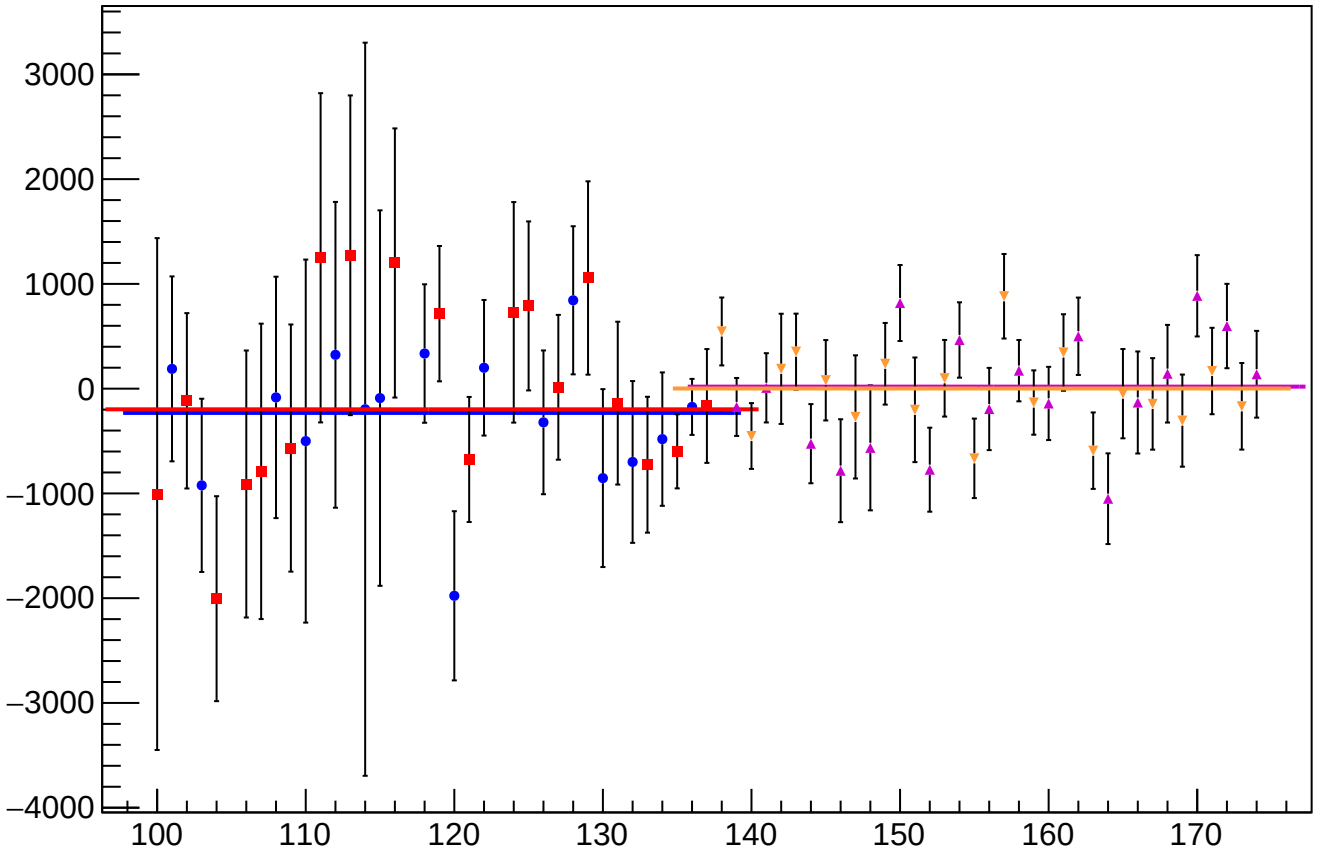
Left: 81.096+/-0.011 χ^2/NDF: 198198.7/36

Right: 84.282+/-0.016 χ^2/NDF: 2157967.8/34

In: 82.376+/-0.013 χ^2/NDF:1140974.1/33

Out: 81.715+/-0.012 χ^2/NDF:1241049.6/37

All: 82.041+/-0.009 χ^2/NDF: 2383428.8/71



Right In: -231.405+/-170.132 χ^2/NDF: 10.4/15

Left Out: 1.455+/-89.440 χ^2/NDF:19.4/18

Right Out: -197.207+/-176.091 χ^2/NDF: 15.9/18

Left In: 19.322+/-89.736 χ^2/NDF:32.4/17

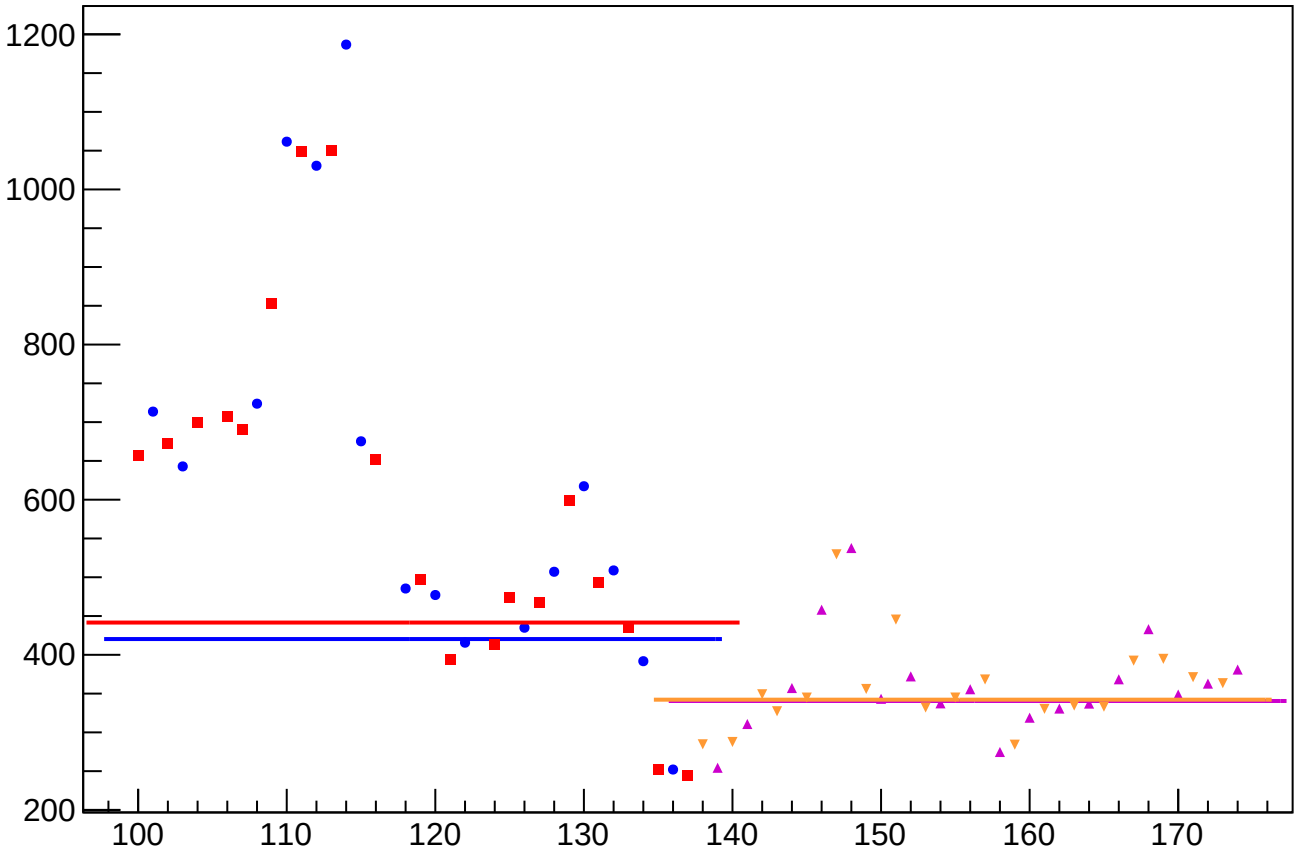
Left: 10.359+/-63.348 χ^2/NDF: 51.7/36

Right: -214.894+/-122.354 χ^2/NDF: 26.3/34

In: -35.248+/-79.372 χ^2/NDF:44.5/33

Out: -39.286+/-79.743 χ^2/NDF:36.3/37

All: -37.258+/-56.255 χ^2/NDF: 80.7/71



Right In: 420.329+/-0.120 χ^2/NDF: 2254614.9/15

Left Out: 342.159+/-0.063 χ^2/NDF:574192.4/18

Right Out: 441.597+/-0.125 χ^2/NDF: 2307595.1/18

Left In: 340.460+/-0.063 χ^2/NDF:784446.7/17

Left: 341.312+/-0.045 χ^2/NDF: 1358998.9/36

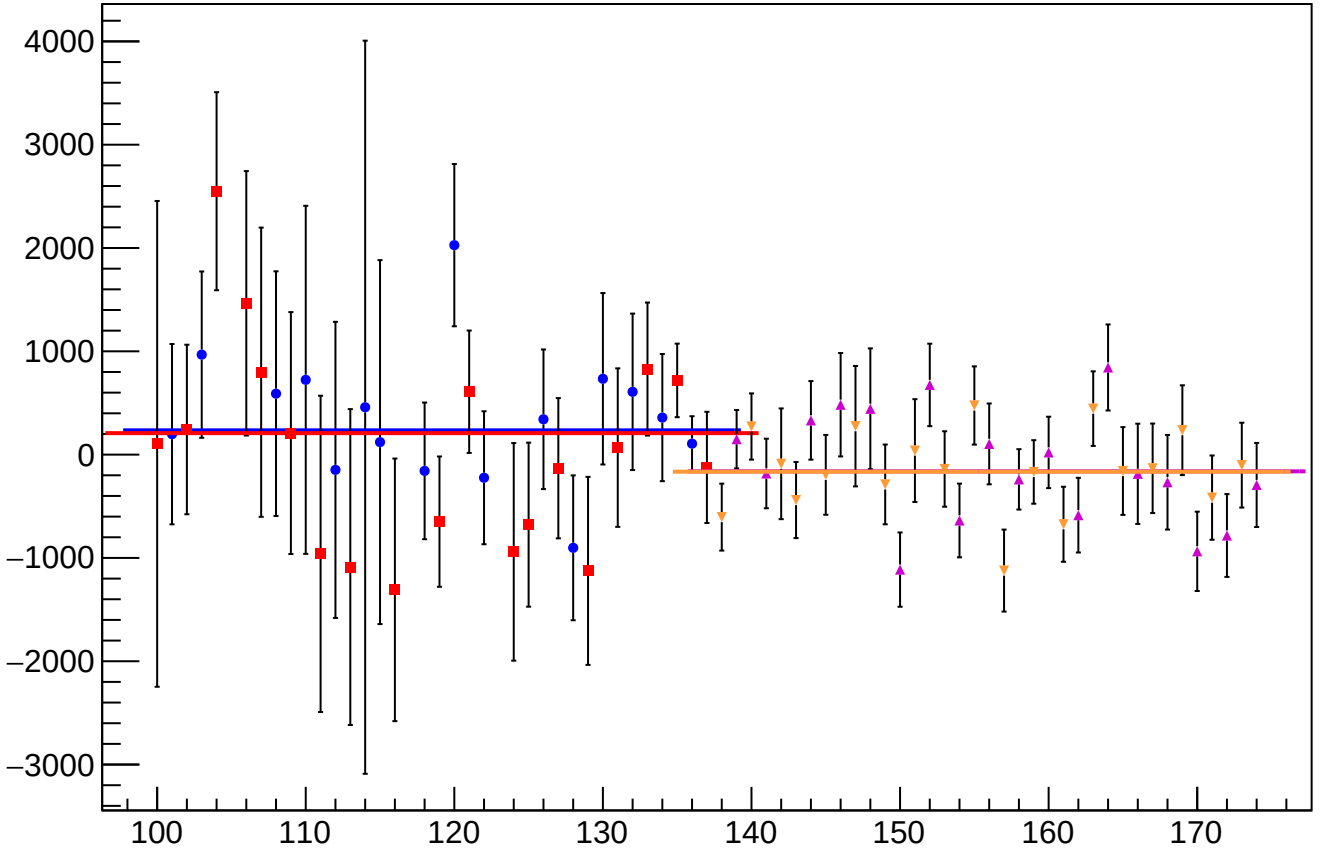
Right: 430.597+/-0.087 χ^2/NDF: 4577299.7/34

In: 357.843+/-0.056 χ^2/NDF:3383895.3/33

Out: 362.552+/-0.056 χ^2/NDF:3388756.5/37

All: 360.186+/-0.040 χ^2/NDF: 6776154.2/71

asym_sam1_mean vs Slug, Sign Corrected



Right In: 235.054+/-168.199 χ^2/NDF: 10.7/15

Left Out: -165.239+/-89.347 χ^2/NDF:19.9/18

Right Out: 207.936+/-174.716 χ^2/NDF: 20.4/18

Left In: -161.685+/-89.395 χ^2/NDF:33.5/17

Left: -163.463+/-63.195 χ^2/NDF: 53.4/36

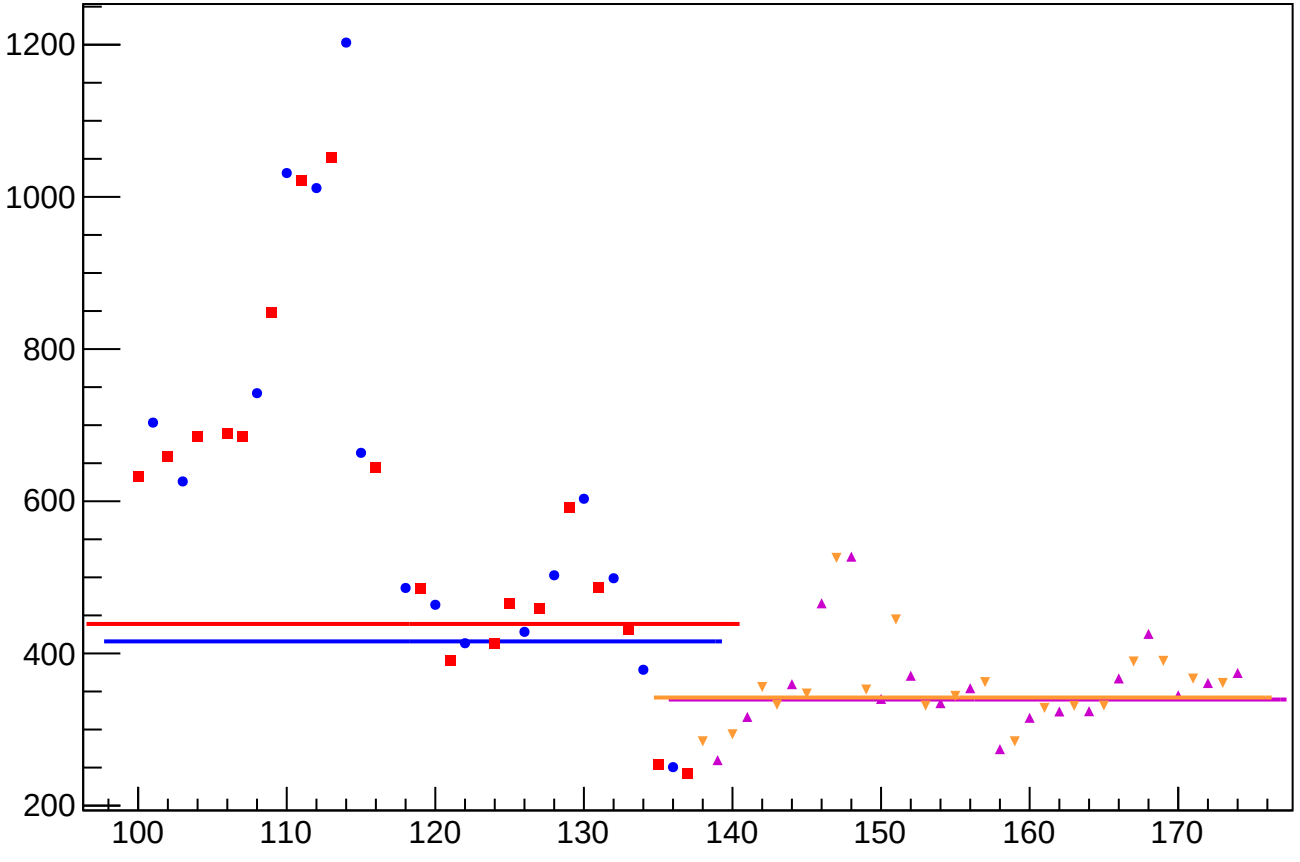
Right: 222.010+/-121.173 χ^2/NDF: 31.1/34

In: -74.300+/-78.939 χ^2/NDF:48.5/33

Out: -87.879+/-79.549 χ^2/NDF:43.9/37

All: -81.037+/-56.032 χ^2/NDF: 92.4/71

asym_sam1_rms vs Slug, Sign Corrected



Right In: 415.840+/-0.119 χ^2/NDF: 2223949.6/15

Left Out: 342.054+/-0.063 χ^2/NDF:539825.5/18

Right Out: 438.773+/-0.124 χ^2/NDF: 2234776.6/18

Left In: 339.429+/-0.063 χ^2/NDF:737148.1/17

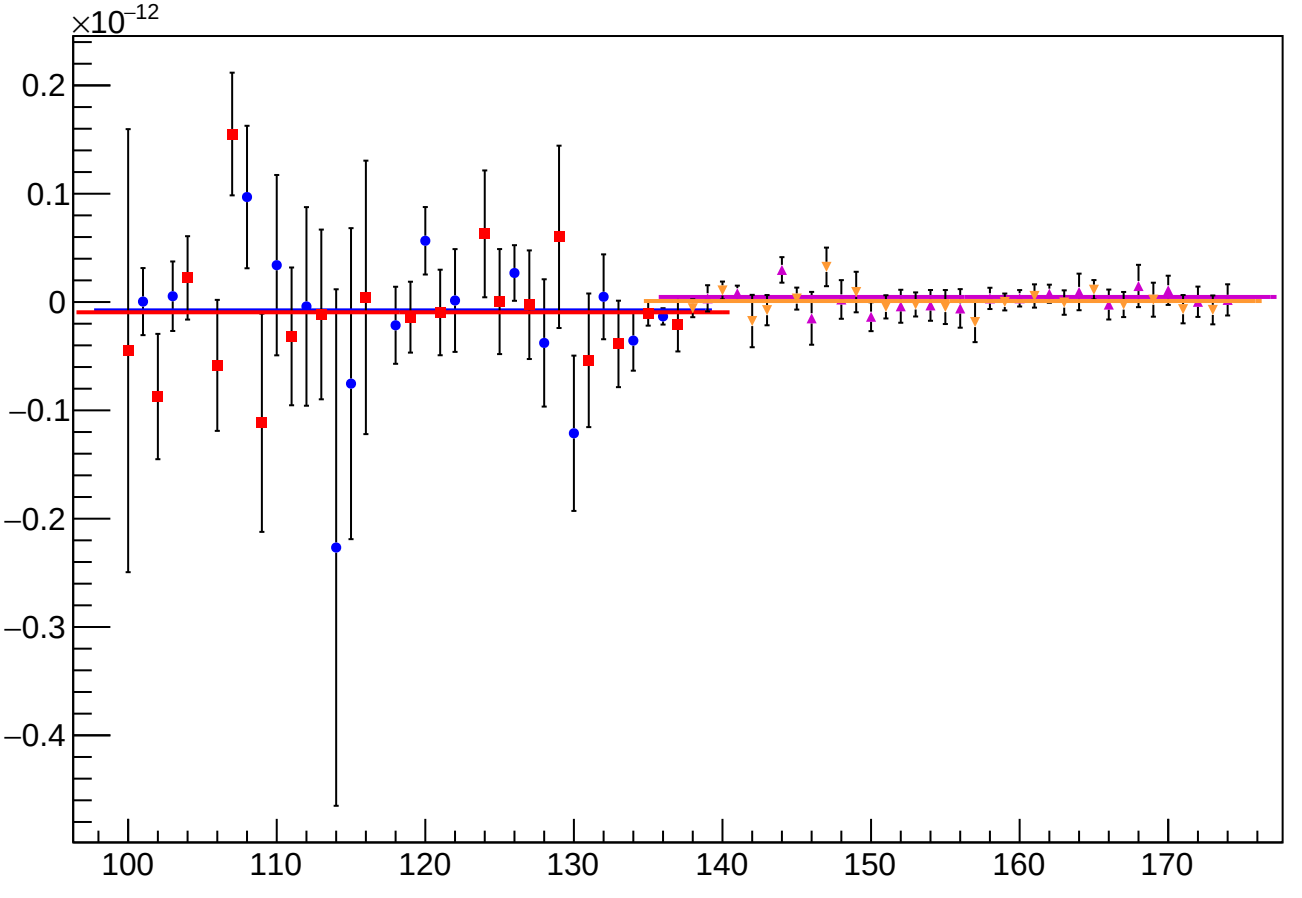
Left: 340.742+/-0.045 χ^2/NDF: 1277836.5/36

Right: 426.871+/-0.086 χ^2/NDF: 4476610.3/34

In: 356.259+/-0.056 χ^2/NDF:3282938.2/33

Out: 362.104+/-0.056 χ^2/NDF:3260443.5/37

All: 359.159+/-0.040 χ^2/NDF: 6548822.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:10.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 16.3/18

Left In: 0.000+/-0.000 χ^2/NDF:9.4/17

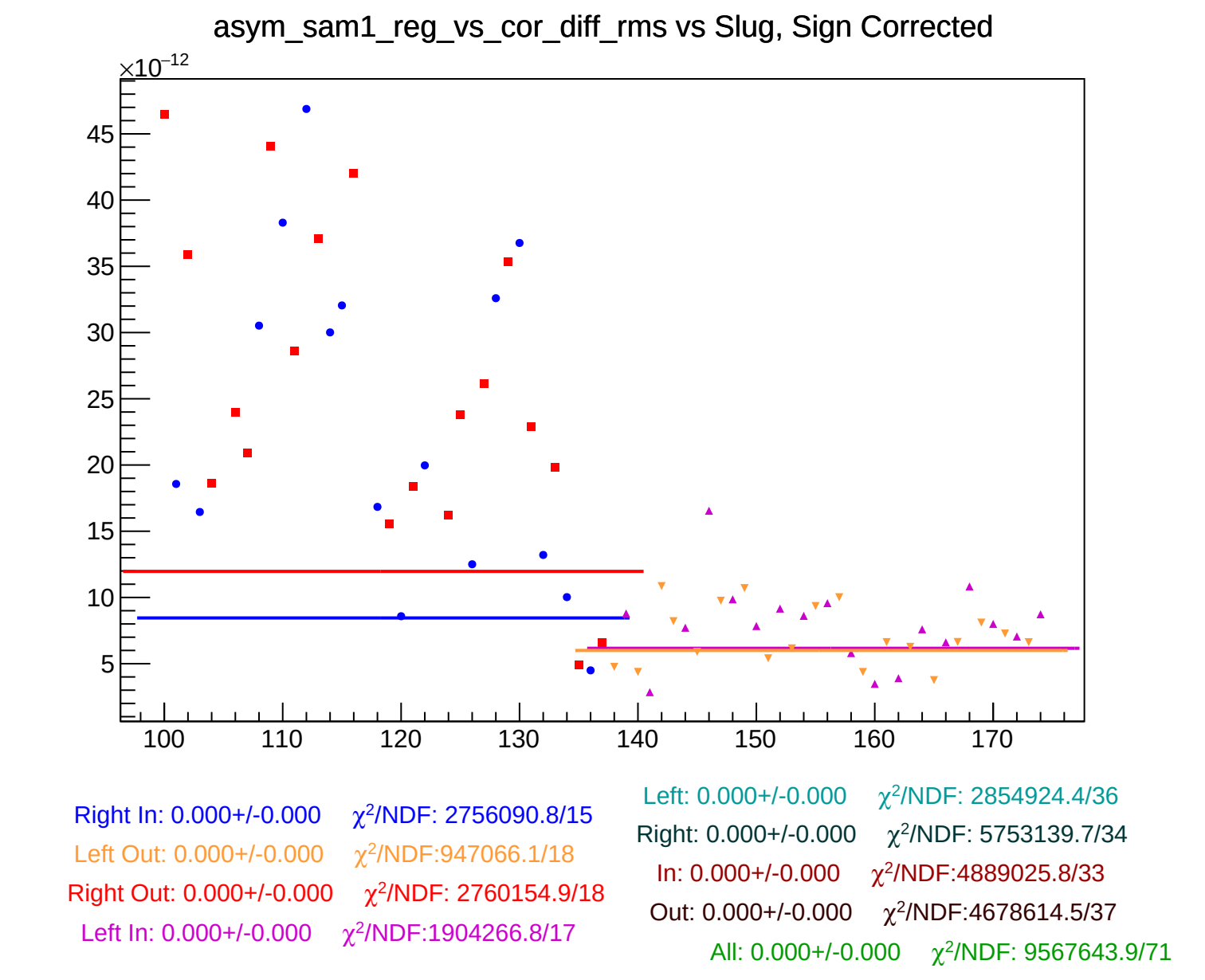
Left: 0.000+/-0.000 χ^2/NDF: 20.6/36

Right: -0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:27.5/33

Out: -0.000+/-0.000 χ^2/NDF:28.1/37

All: 0.000+/-0.000 χ^2/NDF: 56.1/71


asym_sam1_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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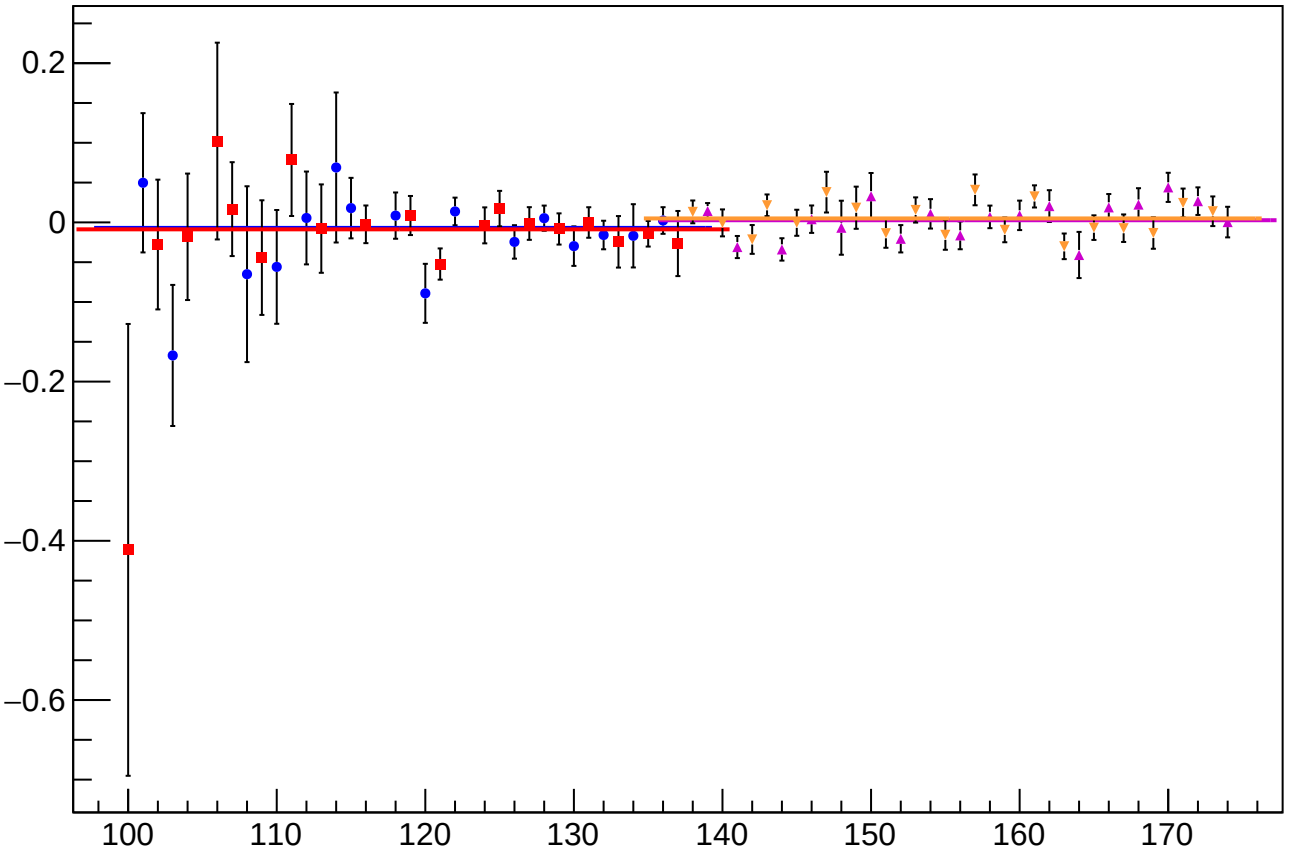
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2756090.8/15
Left Out: 0.000+/-0.000 χ²/NDF:947066.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 2760154.9/18
Left In: 0.000+/-0.000 χ²/NDF:1904266.8/17
Left: 0.000+/-0.000 χ²/NDF: 2854924.4/36
Right: 0.000+/-0.000 χ²/NDF: 5753139.7/34
In: 0.000+/-0.000 χ²/NDF:4889025.8/33
Out: 0.000+/-0.000 χ²/NDF:4678614.5/37
All: 0.000+/-0.000 χ²/NDF: 9567643.9/71



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/17

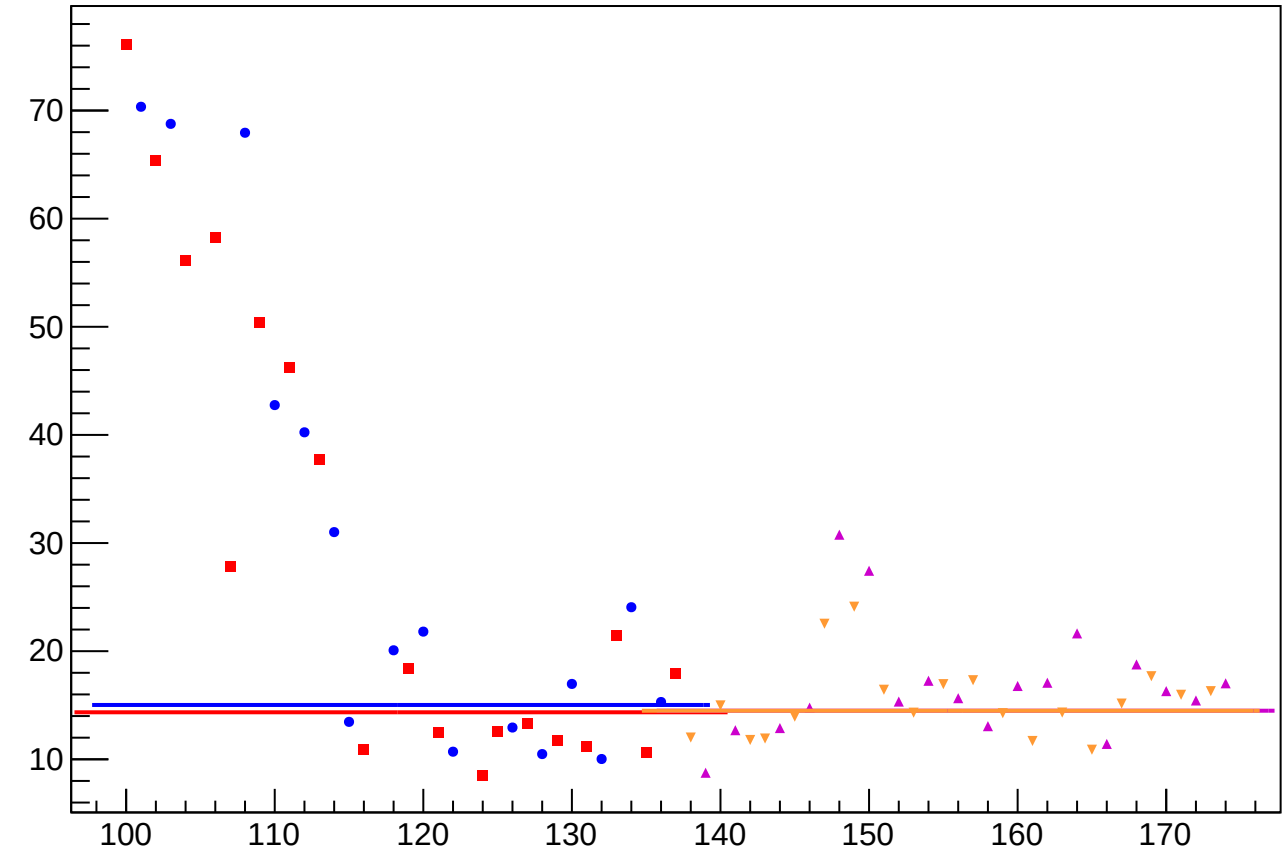
Left: 0.004+/-0.003 χ^2/NDF: 55.7/36

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.0/33

Out: 0.001+/-0.003 χ^2/NDF:41.0/37

All: 0.001+/-0.002 χ^2/NDF: 88.0/71



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018658.3/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

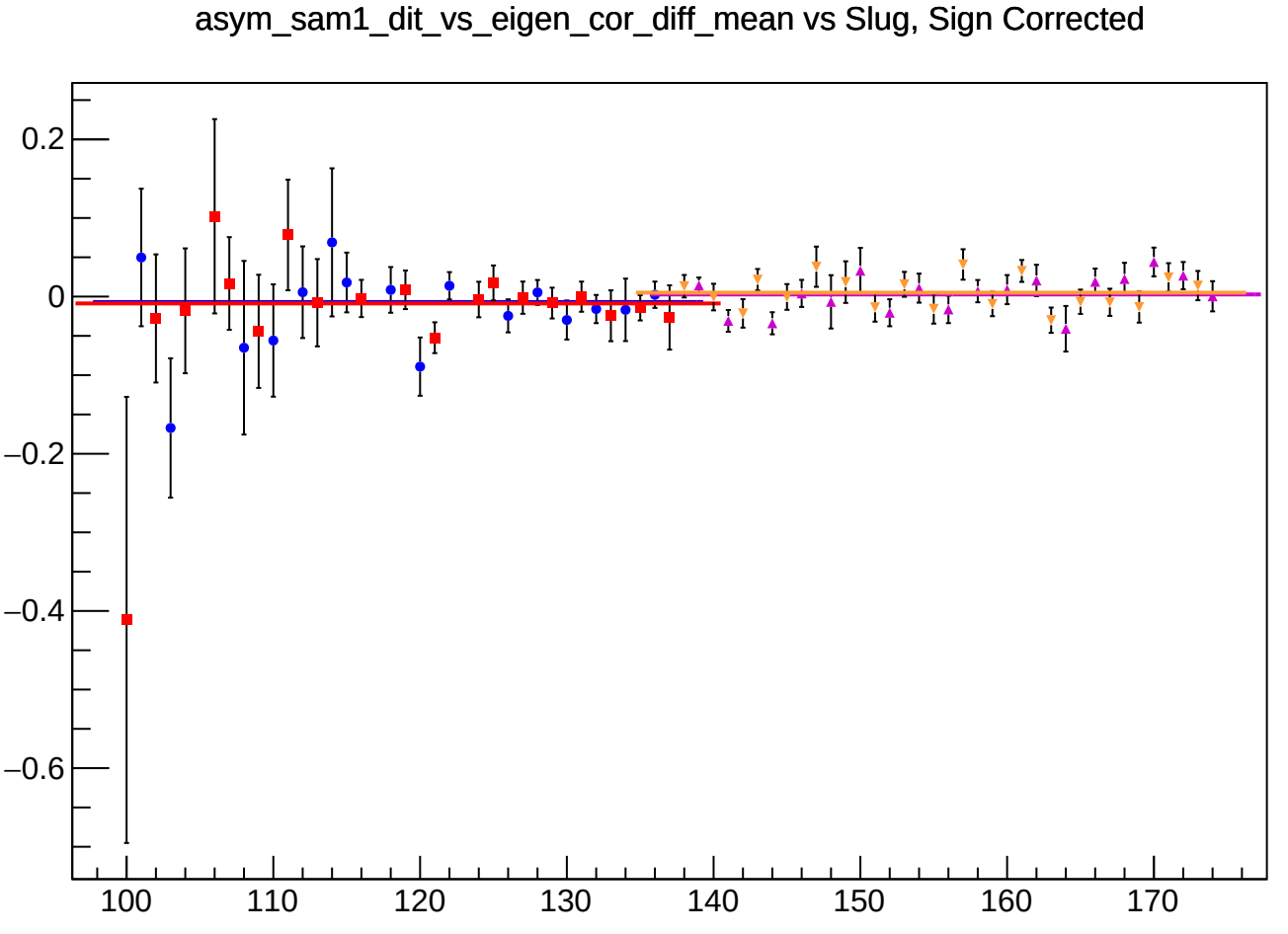
Left: 14.493+/-0.002 χ^2/NDF: 3066258.5/36

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.634+/-0.002 χ^2/NDF:5495059.4/33

Out: 14.453+/-0.002 χ^2/NDF:4648408.6/37

All: 14.540+/-0.002 χ^2/NDF: 10146309.3/71



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/17

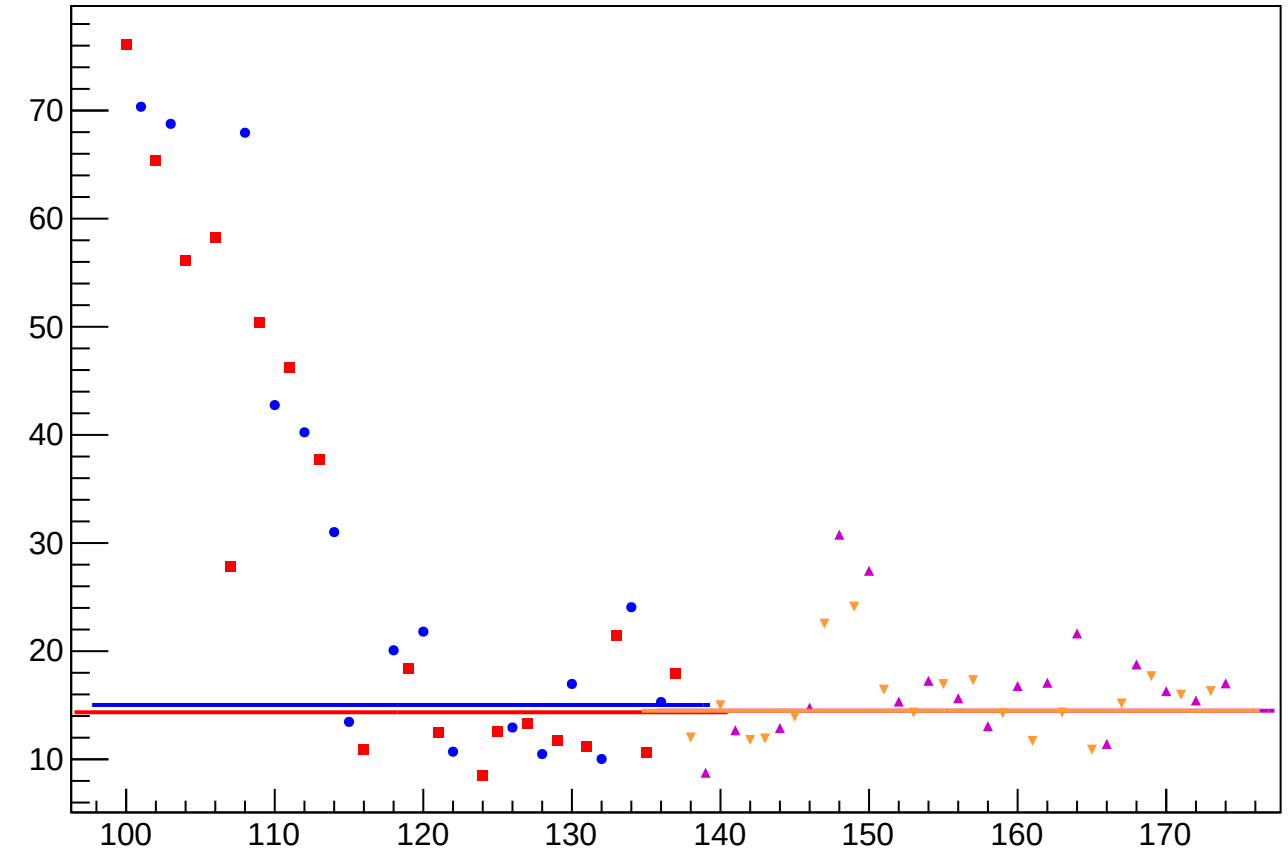
Left: 0.004+/-0.003 χ^2/NDF: 55.7/36

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.0/33

Out: 0.001+/-0.003 χ^2/NDF:41.0/37

All: 0.001+/-0.002 χ^2/NDF: 88.0/71



Right In: 15.026+/-0.005 χ^2/NDF: 3438260.9/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018658.3/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629014.9/18

Left In: 14.494+/-0.003 χ^2/NDF:2047599.9/17

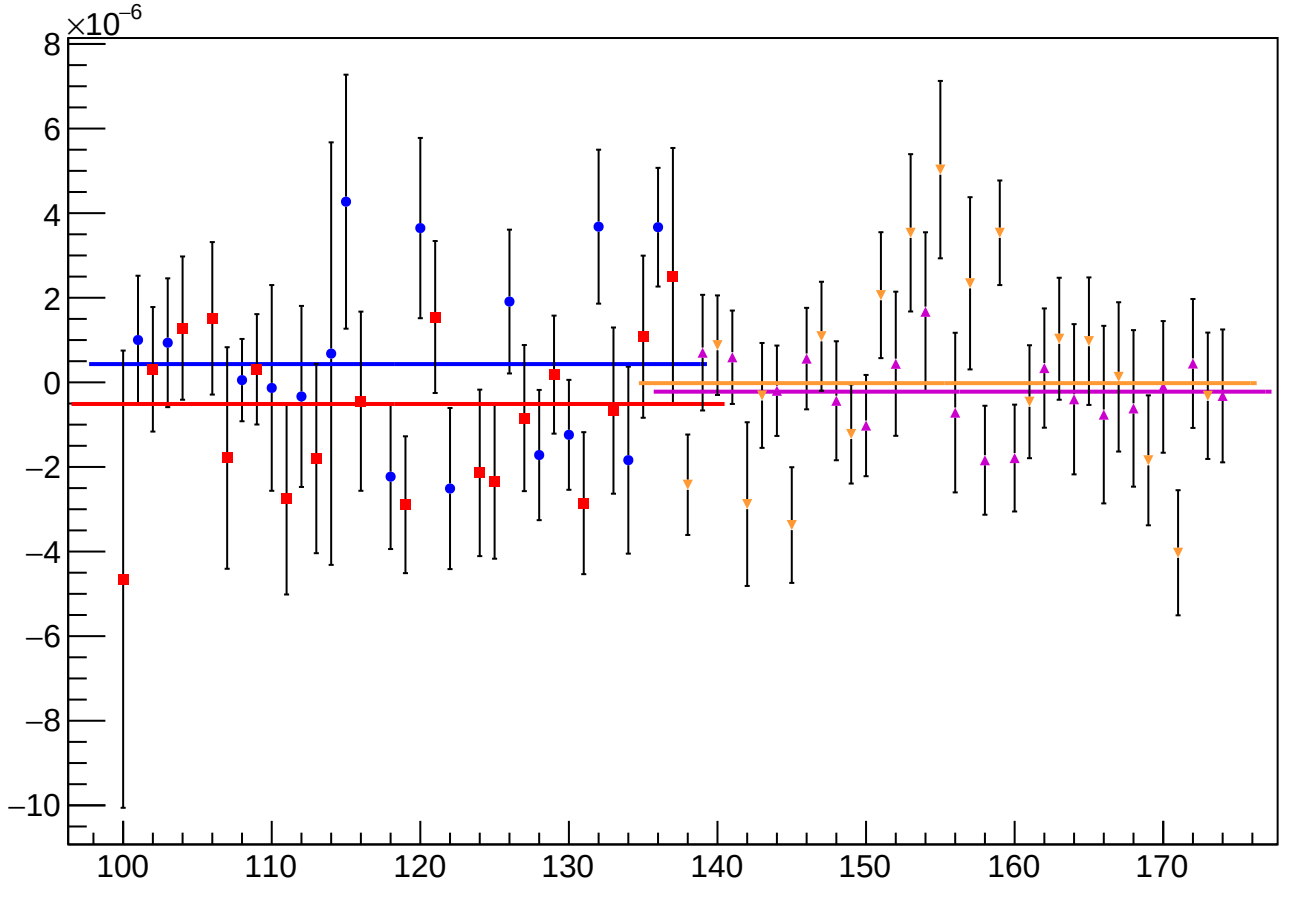
Left: 14.493+/-0.002 χ^2/NDF: 3066258.5/36

Right: 14.669+/-0.003 χ^2/NDF: 7077933.0/34

In: 14.634+/-0.002 χ^2/NDF:5495059.4/33

Out: 14.453+/-0.002 χ^2/NDF:4648408.6/37

All: 14.540+/-0.002 χ^2/NDF: 10146309.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 23.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:45.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:6.7/17

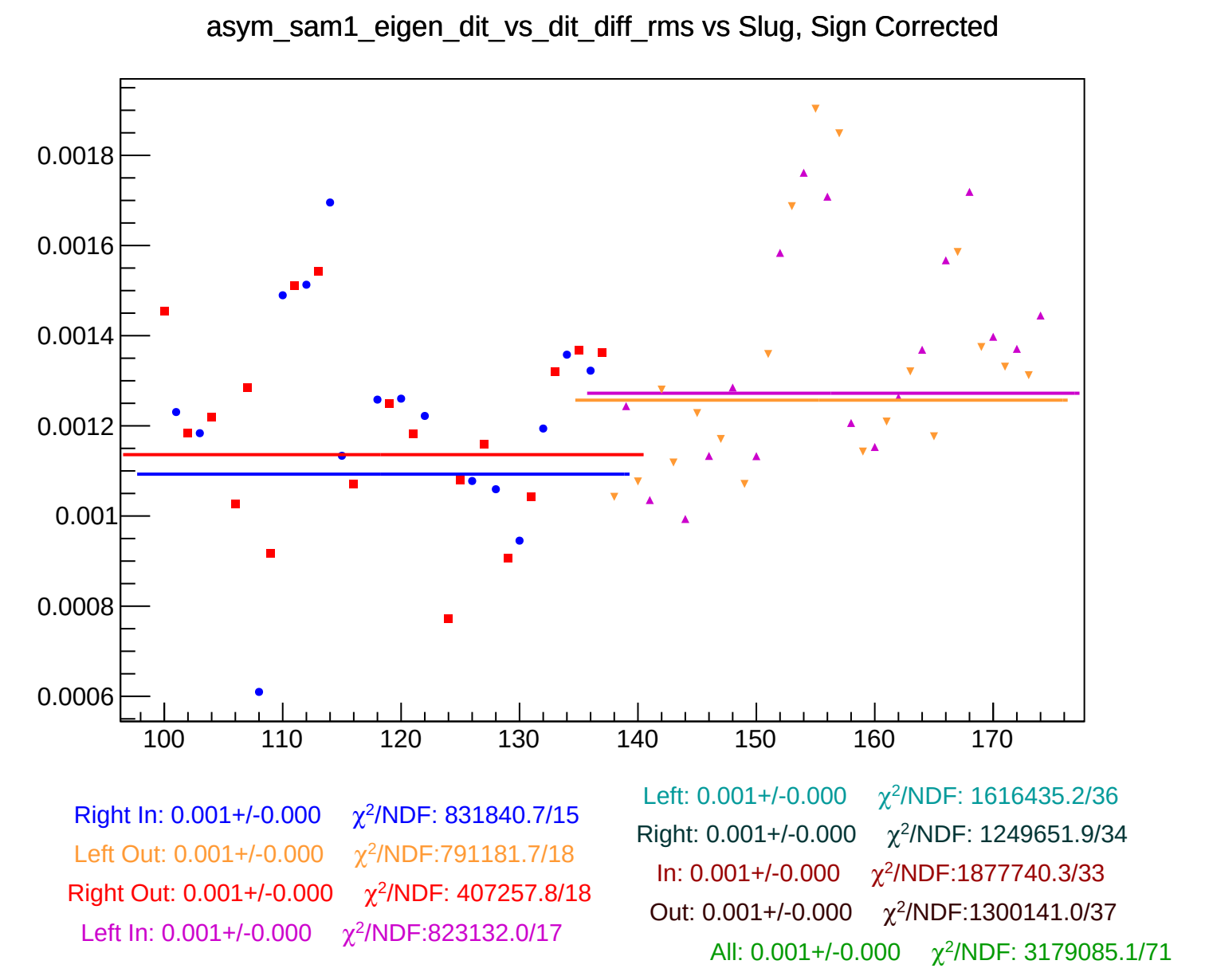
Left: -0.000+/-0.000 χ^2/NDF: 52.5/36

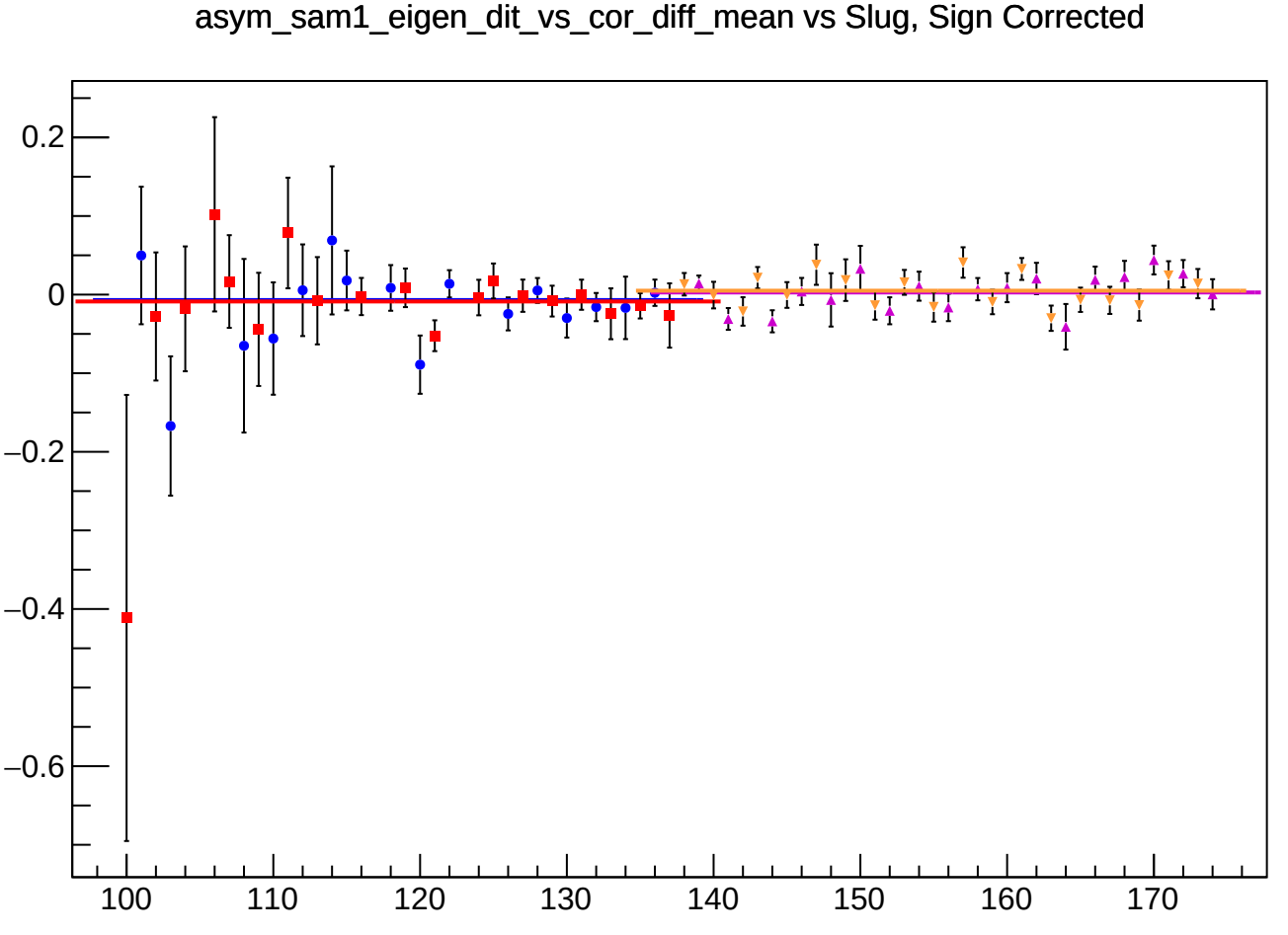
Right: -0.000+/-0.000 χ^2/NDF: 40.0/34

In: 0.000+/-0.000 χ^2/NDF:31.4/33

Out: -0.000+/-0.000 χ^2/NDF:60.8/37

All: -0.000+/-0.000 χ^2/NDF: 92.6/71


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 831840.7/15
Left Out: 0.001+/-0.000 χ²/NDF:791181.7/18
Right Out: 0.001+/-0.000 χ²/NDF: 407257.8/18
Left In: 0.001+/-0.000 χ²/NDF:823132.0/17
Left: 0.001+/-0.000 χ²/NDF: 1616435.2/36
Right: 0.001+/-0.000 χ²/NDF: 1249651.9/34
In: 0.001+/-0.000 χ²/NDF:1877740.3/33
Out: 0.001+/-0.000 χ²/NDF:1300141.0/37
All: 0.001+/-0.000 χ²/NDF: 3179085.1/71



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/17

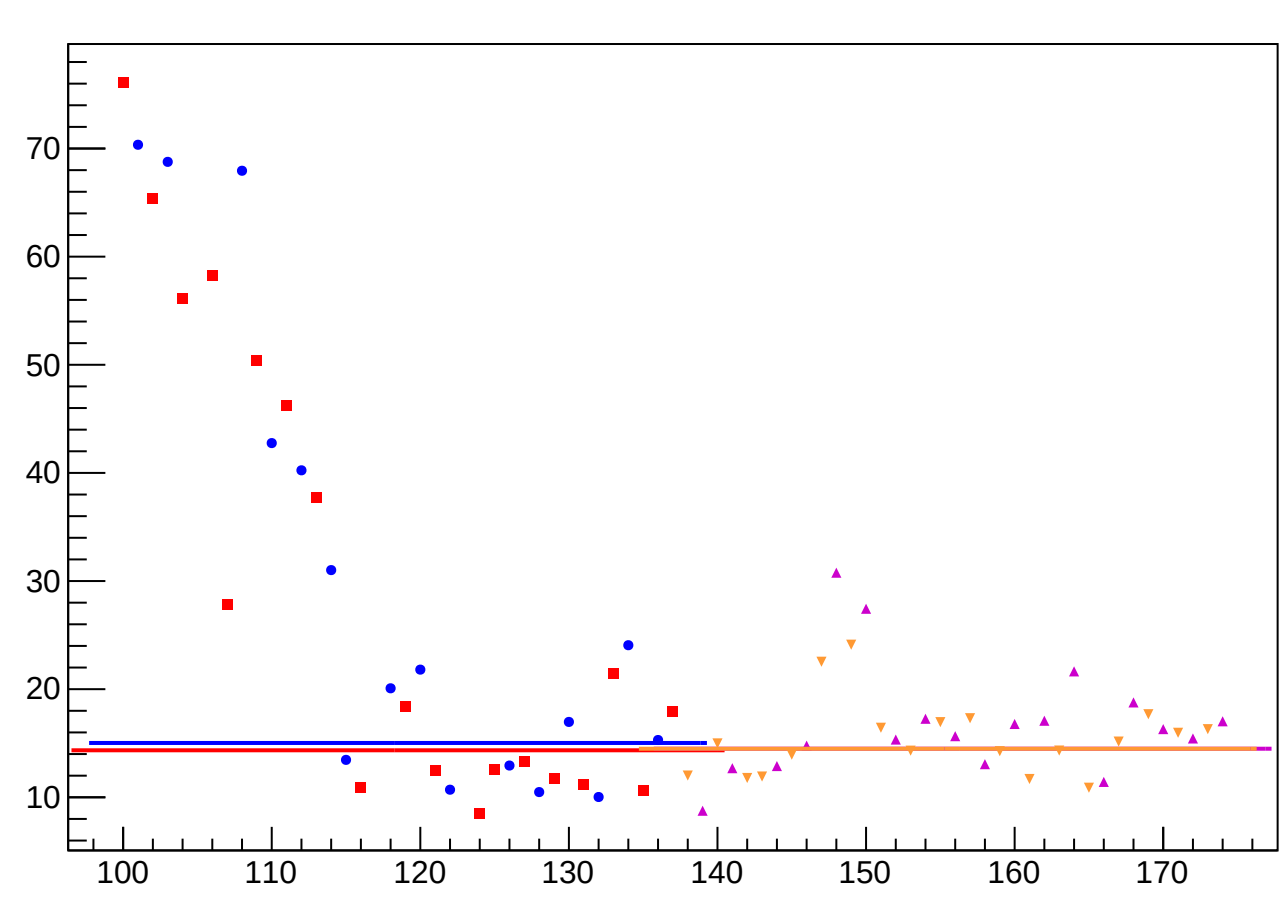
Left: 0.004+/-0.003 χ^2/NDF: 55.7/36

Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.0/33

Out: 0.001+/-0.003 χ^2/NDF:41.0/37

All: 0.001+/-0.002 χ^2/NDF: 88.0/71



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018722.6/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

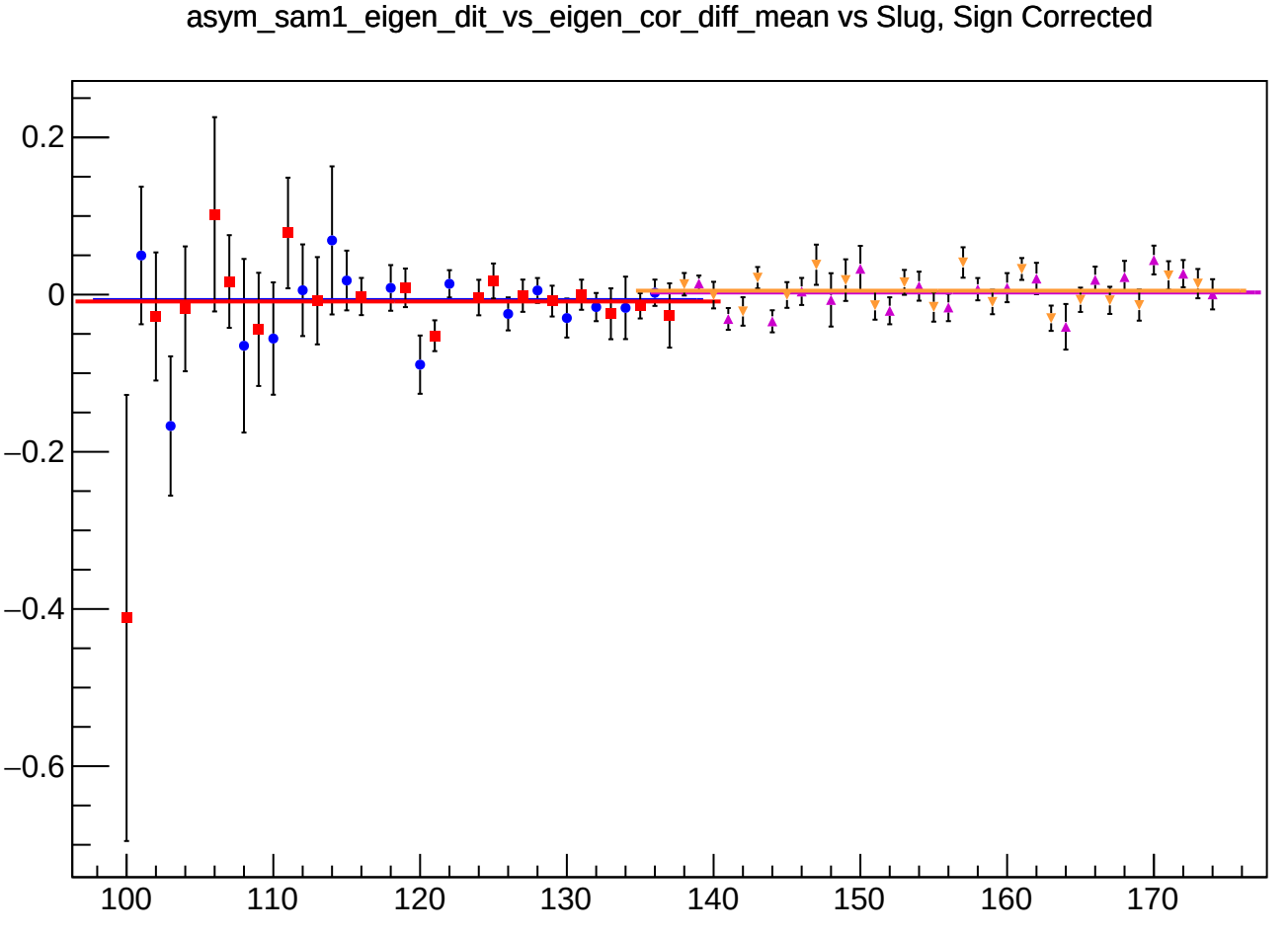
Left: 14.493+/-0.002 χ^2/NDF: 3066389.0/36

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.633+/-0.002 χ^2/NDF:5495141.2/33

Out: 14.452+/-0.002 χ^2/NDF:4648462.8/37

All: 14.540+/-0.002 χ^2/NDF: 10146444.8/71



Right In: -0.007+/-0.007 χ^2/NDF: 14.9/15

Left Out: 0.005+/-0.004 χ^2/NDF:25.0/18

Right Out: -0.009+/-0.006 χ^2/NDF: 12.6/18

Left In: 0.003+/-0.004 χ^2/NDF:30.5/17

Left: 0.004+/-0.003 χ^2/NDF: 55.7/36

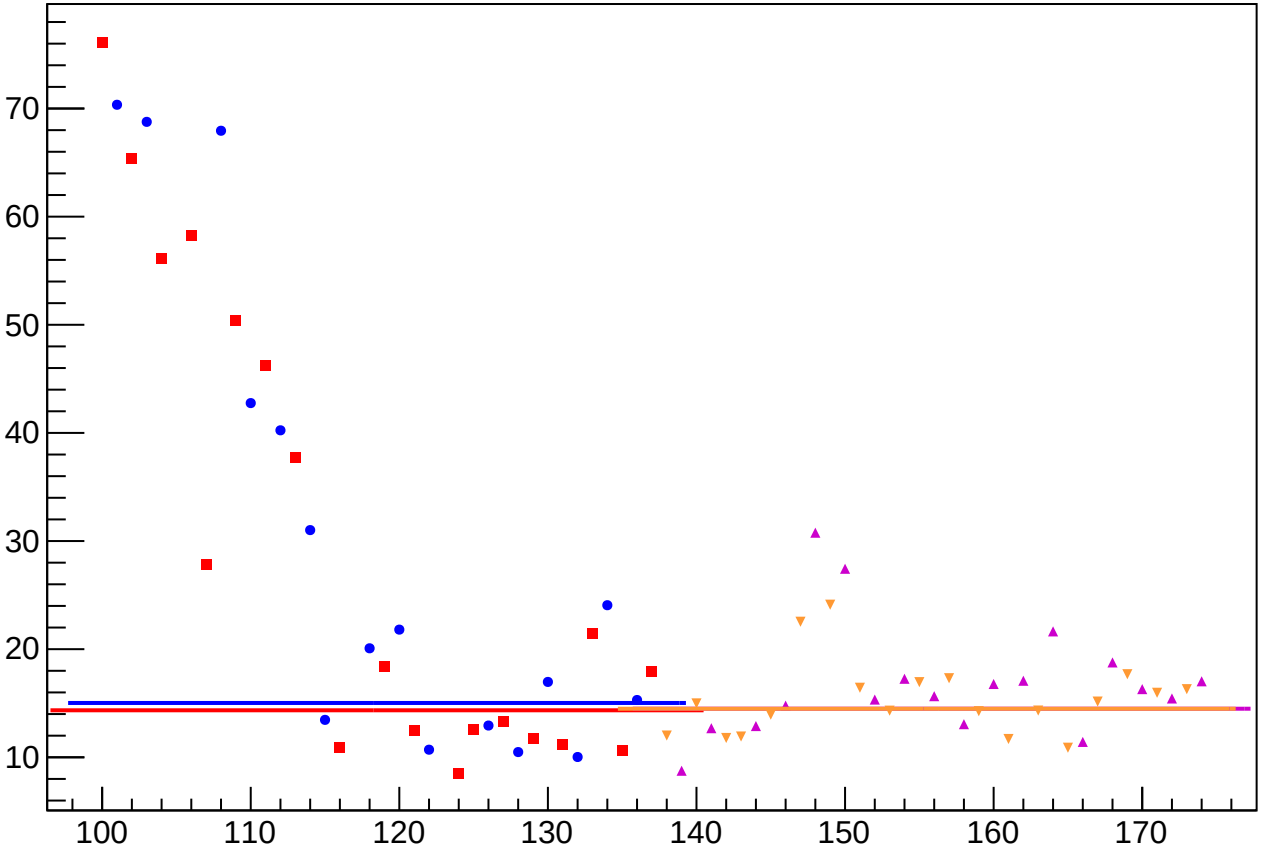
Right: -0.008+/-0.005 χ^2/NDF: 27.6/34

In: 0.000+/-0.003 χ^2/NDF:47.0/33

Out: 0.001+/-0.003 χ^2/NDF:41.0/37

All: 0.001+/-0.002 χ^2/NDF: 88.0/71

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 15.025+/-0.005 χ^2/NDF: 3438279.3/15

Left Out: 14.492+/-0.003 χ^2/NDF:1018722.6/18

Right Out: 14.348+/-0.005 χ^2/NDF: 3629004.9/18

Left In: 14.493+/-0.003 χ^2/NDF:2047666.2/17

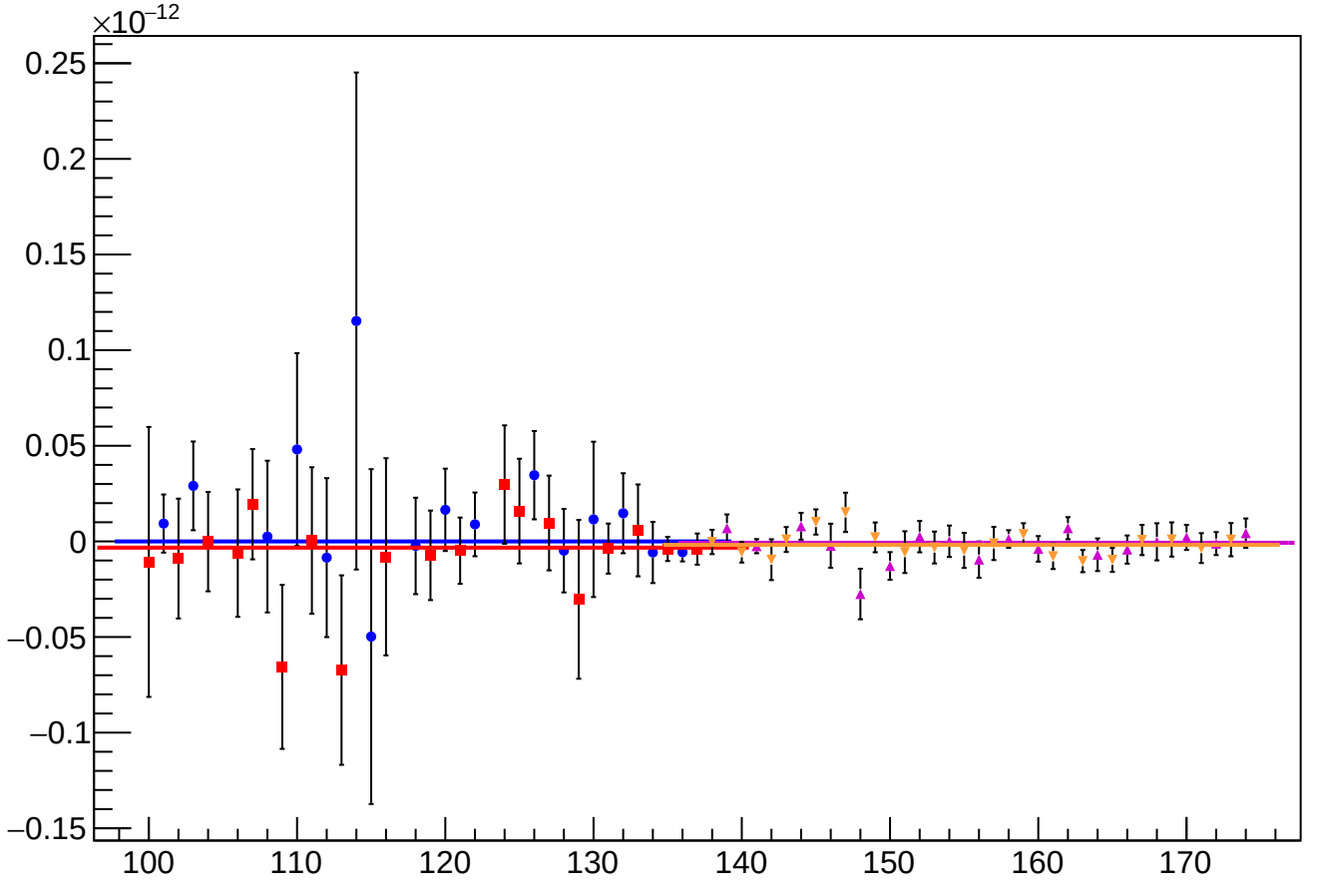
Left: 14.493+/-0.002 χ^2/NDF: 3066389.0/36

Right: 14.669+/-0.003 χ^2/NDF: 7077938.8/34

In: 14.633+/-0.002 χ^2/NDF:5495141.2/33

Out: 14.452+/-0.002 χ^2/NDF:4648462.8/37

All: 14.540+/-0.002 χ^2/NDF: 10146444.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 9.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 7.0/18

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

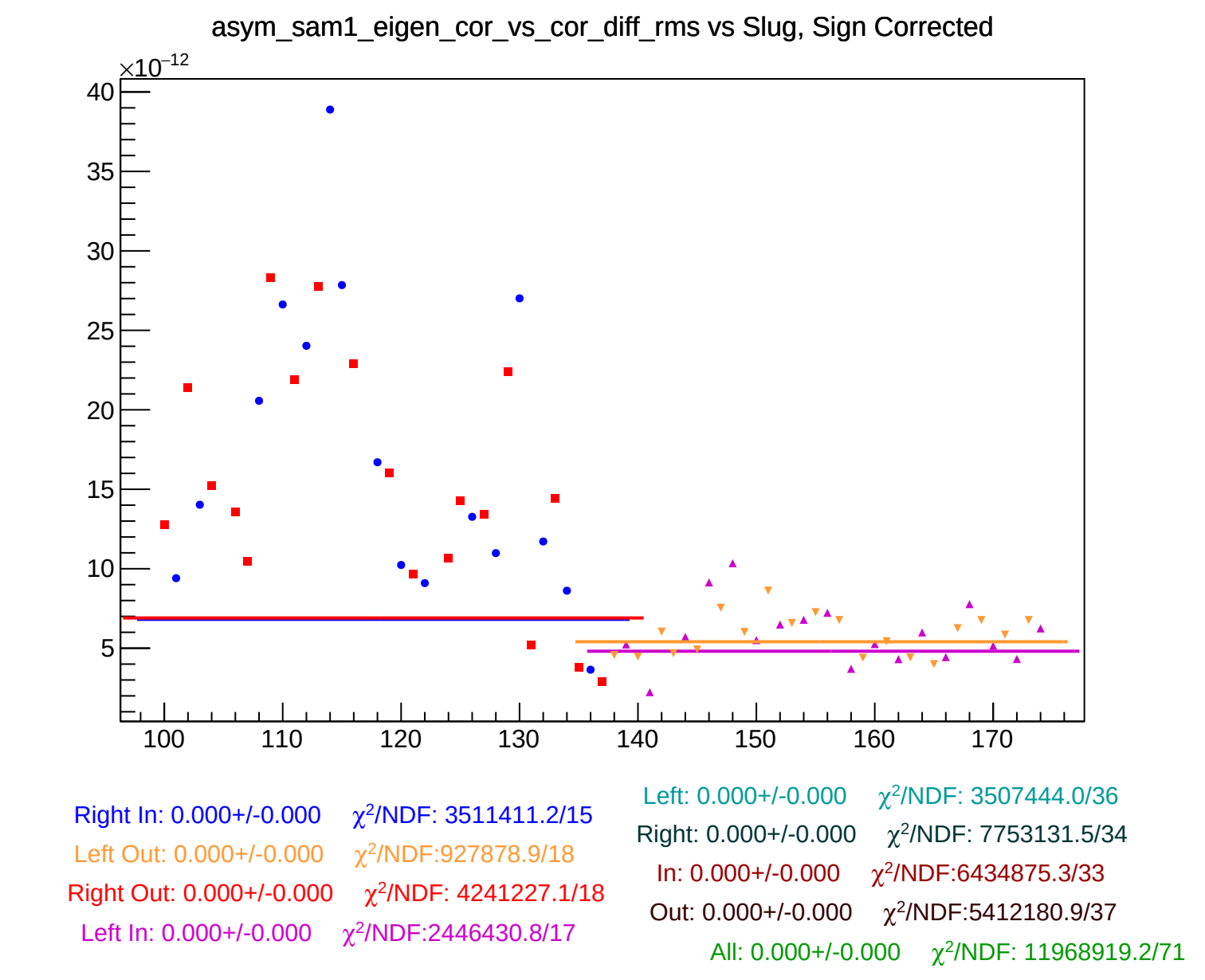
Left: -0.000+/-0.000 χ^2/NDF: 28.2/36

Right: -0.000+/-0.000 χ^2/NDF: 16.7/34

In: -0.000+/-0.000 χ^2/NDF:23.7/33

Out: -0.000+/-0.000 χ^2/NDF:20.7/37

All: -0.000+/-0.000 χ^2/NDF: 44.9/71


asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
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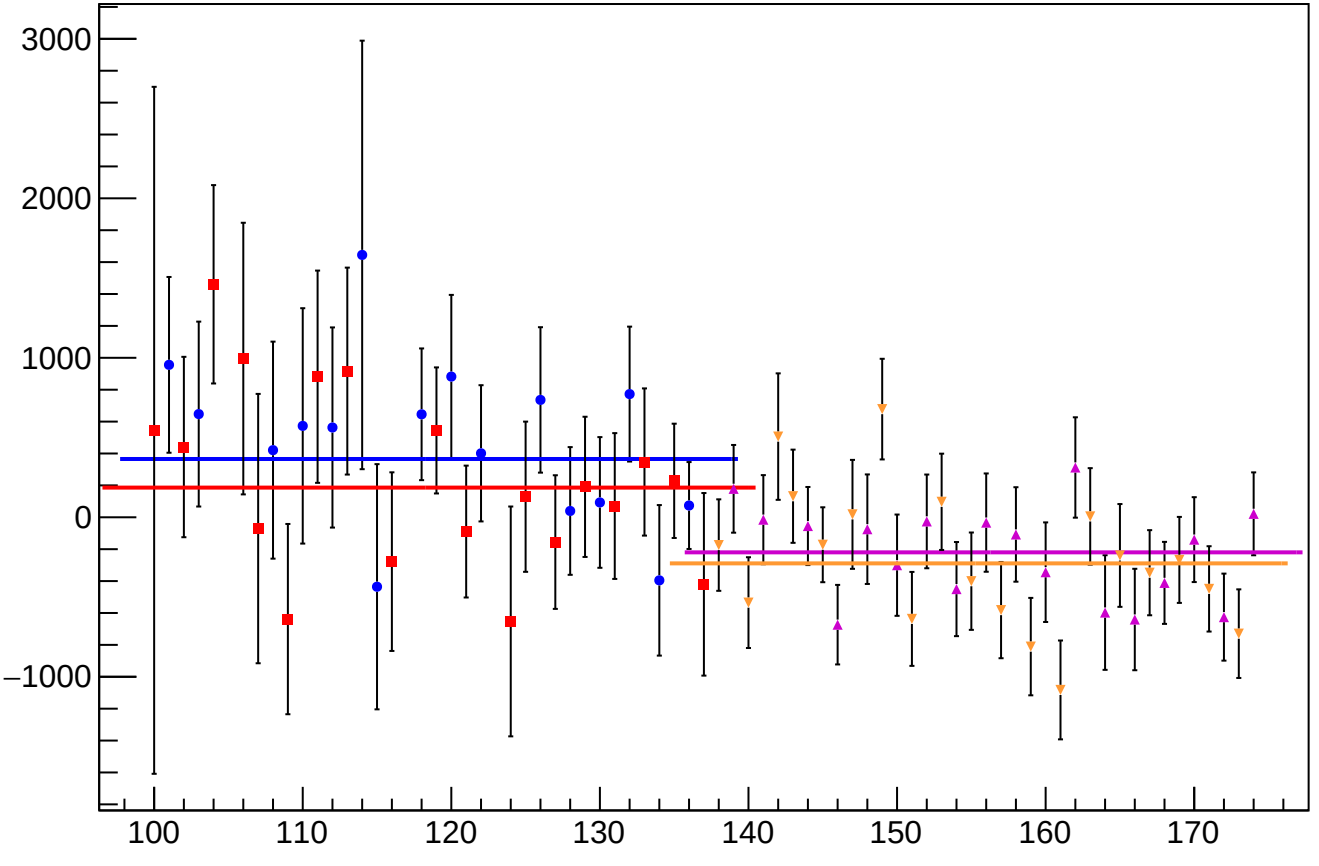
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3511411.2/15
Left Out: 0.000+/-0.000 χ²/NDF:927878.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 4241227.1/18
Left In: 0.000+/-0.000 χ²/NDF:2446430.8/17
Left: 0.000+/-0.000 χ²/NDF: 3507444.0/36
Right: 0.000+/-0.000 χ²/NDF: 7753131.5/34
In: 0.000+/-0.000 χ²/NDF:6434875.3/33
Out: 0.000+/-0.000 χ²/NDF:5412180.9/37
All: 0.000+/-0.000 χ²/NDF: 11968919.2/71

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.540+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.991+/-67.429 χ^2/NDF:34.9/18

Right Out: 186.141+/-120.188 χ^2/NDF: 15.0/18

Left In: -219.859+/-67.780 χ^2/NDF:17.8/17

Left: -254.605+/-47.803 χ^2/NDF: 53.3/36

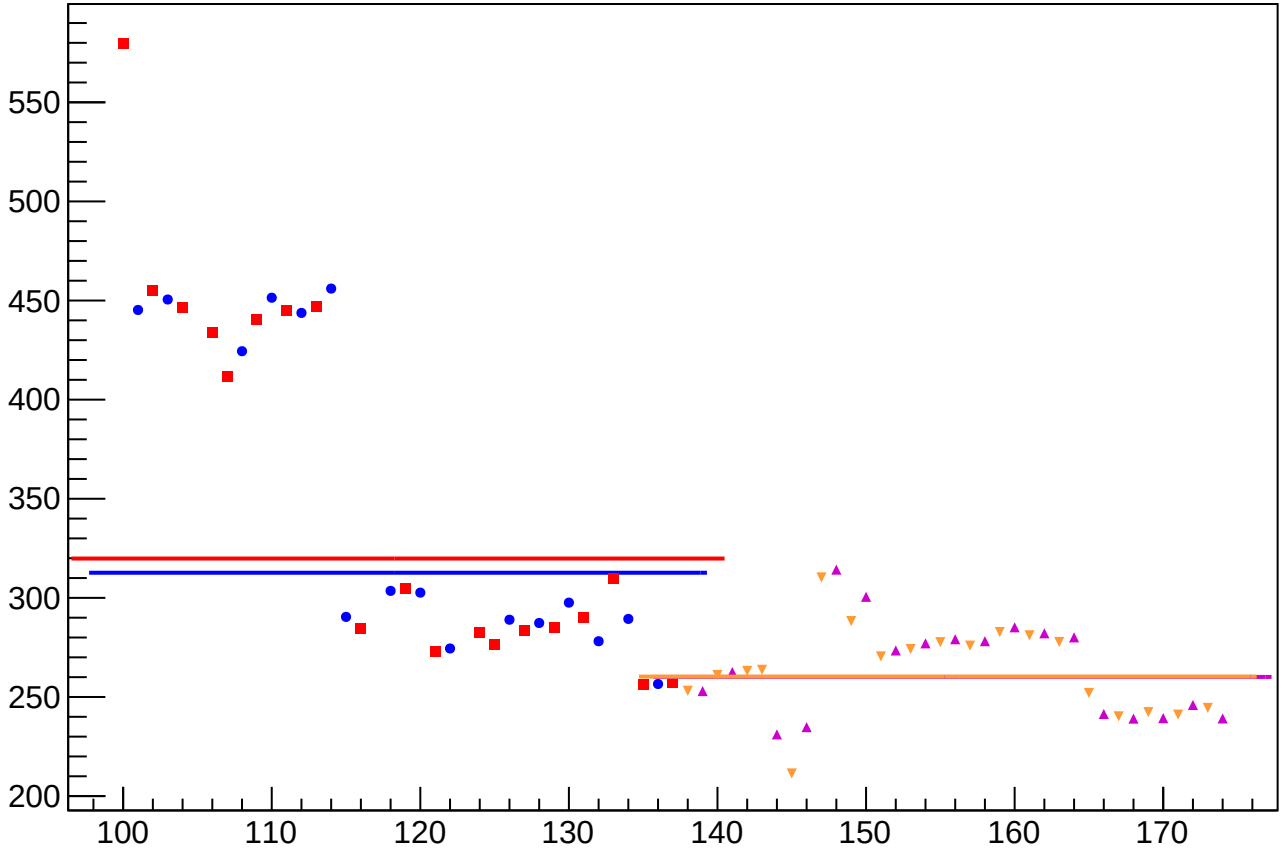
Right: 276.827+/-84.517 χ^2/NDF: 27.6/34

In: -76.232+/-58.881 χ^2/NDF:47.6/33

Out: -175.243+/-58.806 χ^2/NDF:61.8/37

All: -125.800+/-41.609 χ^2/NDF: 110.8/71

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602207.7/15

Left Out: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.841+/-0.085 χ^2/NDF: 697878.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

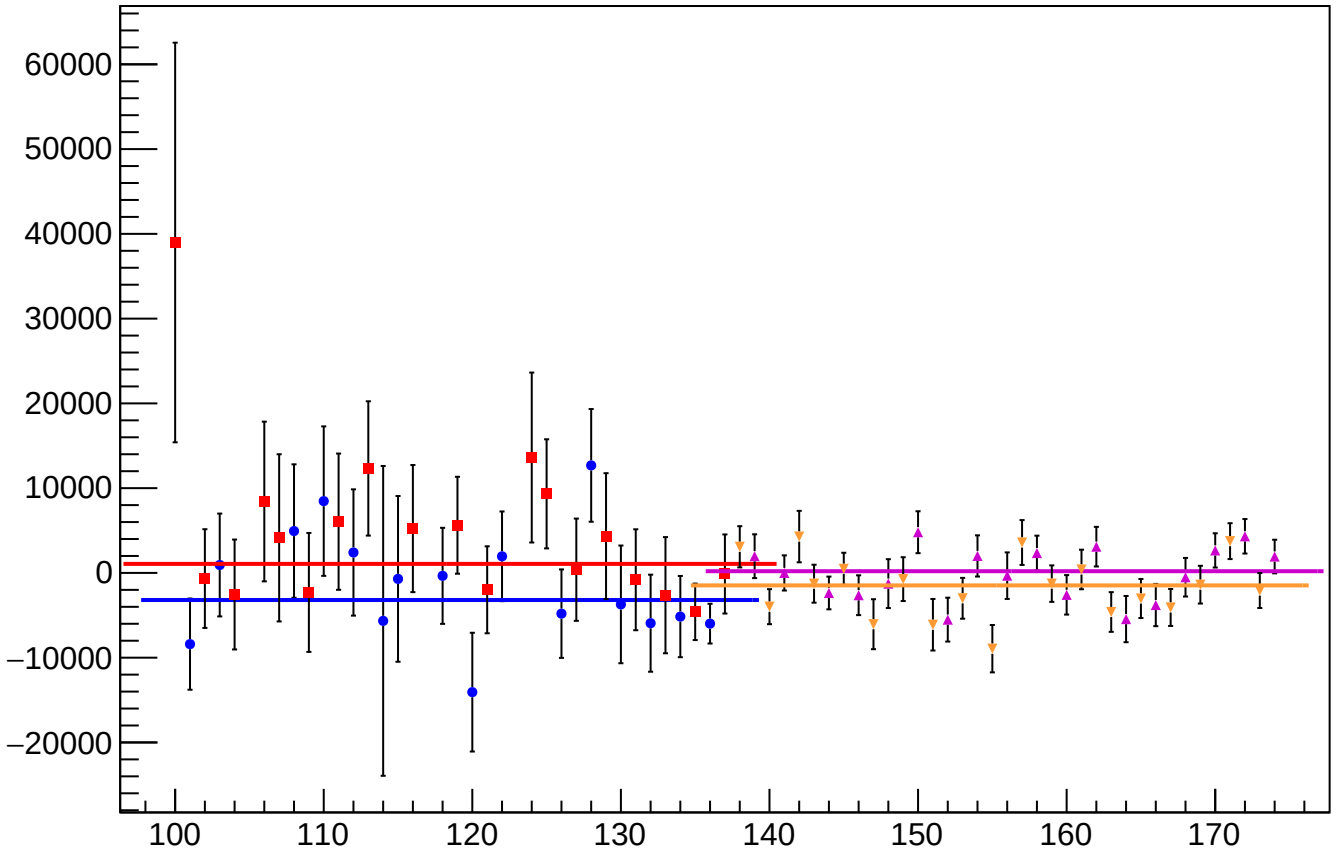
Left: 260.202+/-0.034 χ^2/NDF: 467789.4/36

Right: 316.222+/-0.060 χ^2/NDF: 1303671.7/34

In: 273.011+/-0.042 χ^2/NDF:1135101.3/33

Out: 274.546+/-0.042 χ^2/NDF:1301403.9/37

All: 273.780+/-0.029 χ^2/NDF: 2437186.0/71



Right In: -3198.742+/-1353.814 χ^2/NDF: 16.1/15

Left Out: -1472.905+/-538.591 χ^2/NDF:36.2/18

Right Out: 1065.939+/-1443.326 χ^2/NDF: 14.4/18

Left In: 201.673+/-542.121 χ^2/NDF:30.2/17

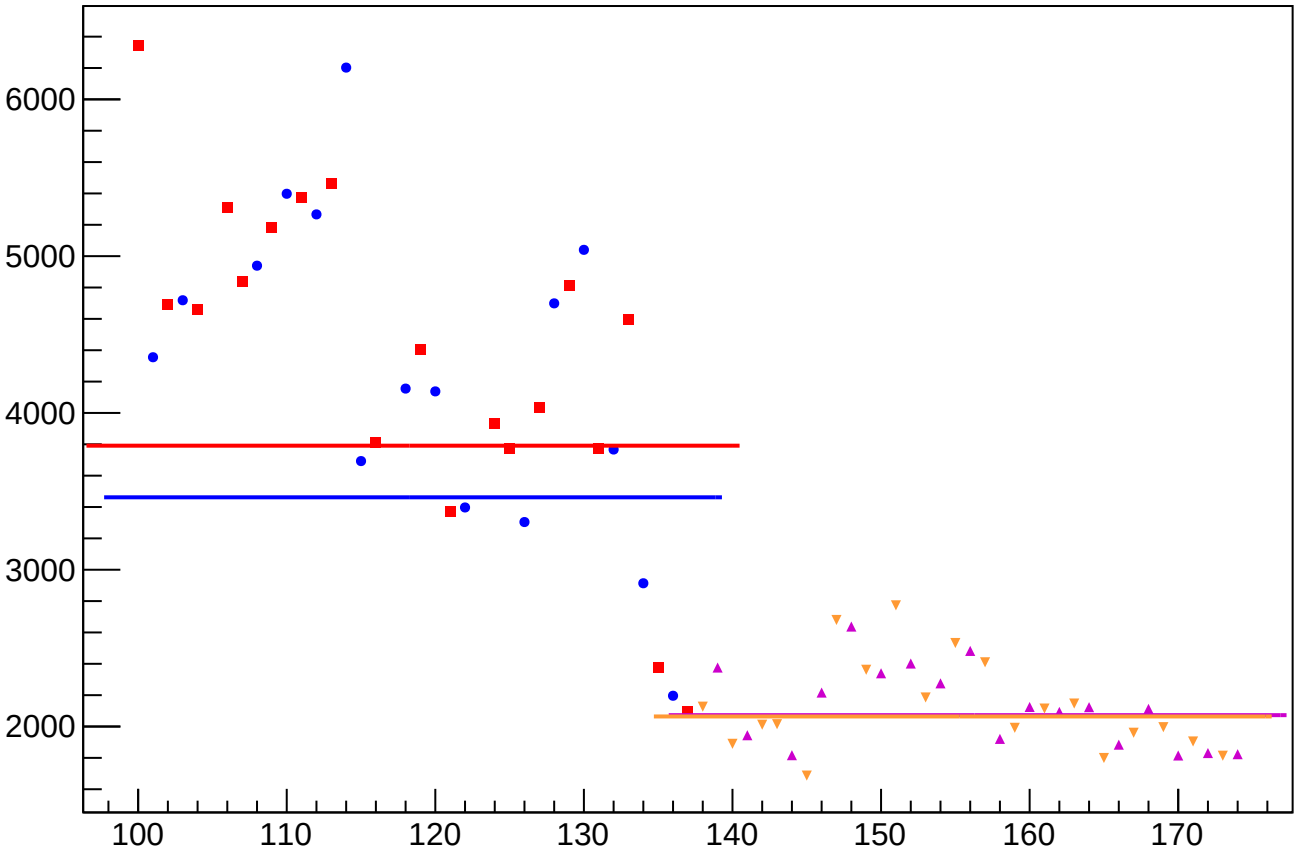
Left: -641.086+/-382.083 χ^2/NDF: 71.2/36

Right: -1202.738+/-987.420 χ^2/NDF: 35.1/34

In: -268.240+/-503.271 χ^2/NDF:51.8/33

Out: -1162.587+/-504.603 χ^2/NDF:53.3/37

All: -714.231+/-356.336 χ^2/NDF: 106.6/71



Right In: 3461.927+/-0.957 χ^2/NDF: 1309580.1/15

Left Out: 2064.183+/-0.381 χ^2/NDF:493503.1/18

Right Out: 3791.207+/-1.021 χ^2/NDF: 1155755.9/18

Left In: 2072.510+/-0.383 χ^2/NDF:385861.3/17

Left: 2068.319+/-0.270 χ^2/NDF: 879601.9/36

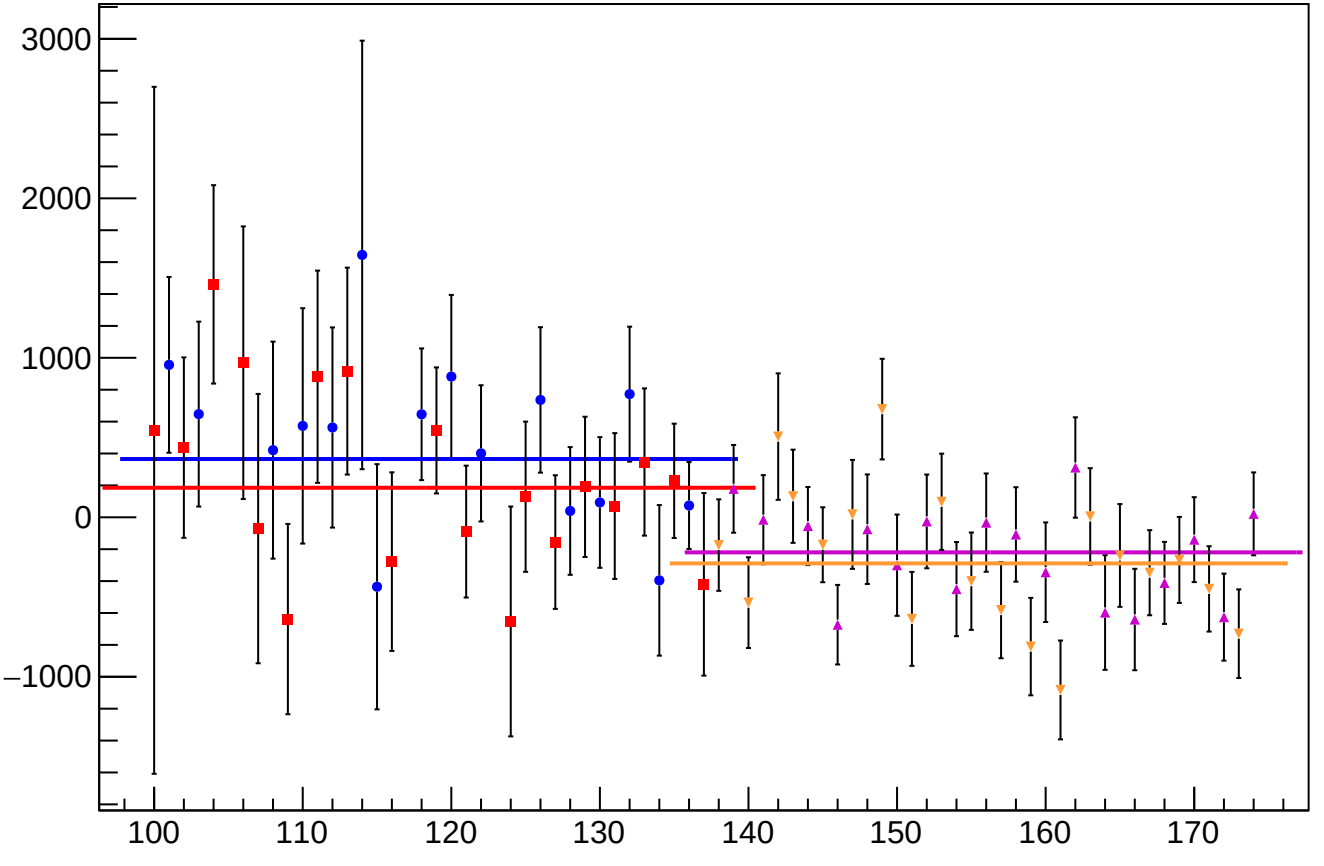
Right: 3616.041+/-0.698 χ^2/NDF: 2520711.5/34

In: 2264.517+/-0.356 χ^2/NDF:3510906.7/33

Out: 2275.274+/-0.357 χ^2/NDF:4162764.6/37

All: 2269.881+/-0.252 χ^2/NDF: 7674127.0/71

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.987+/-67.429 χ^2/NDF:34.9/18

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -219.863+/-67.780 χ^2/NDF:17.8/17

Left: -254.605+/-47.803 χ^2/NDF: 53.3/36

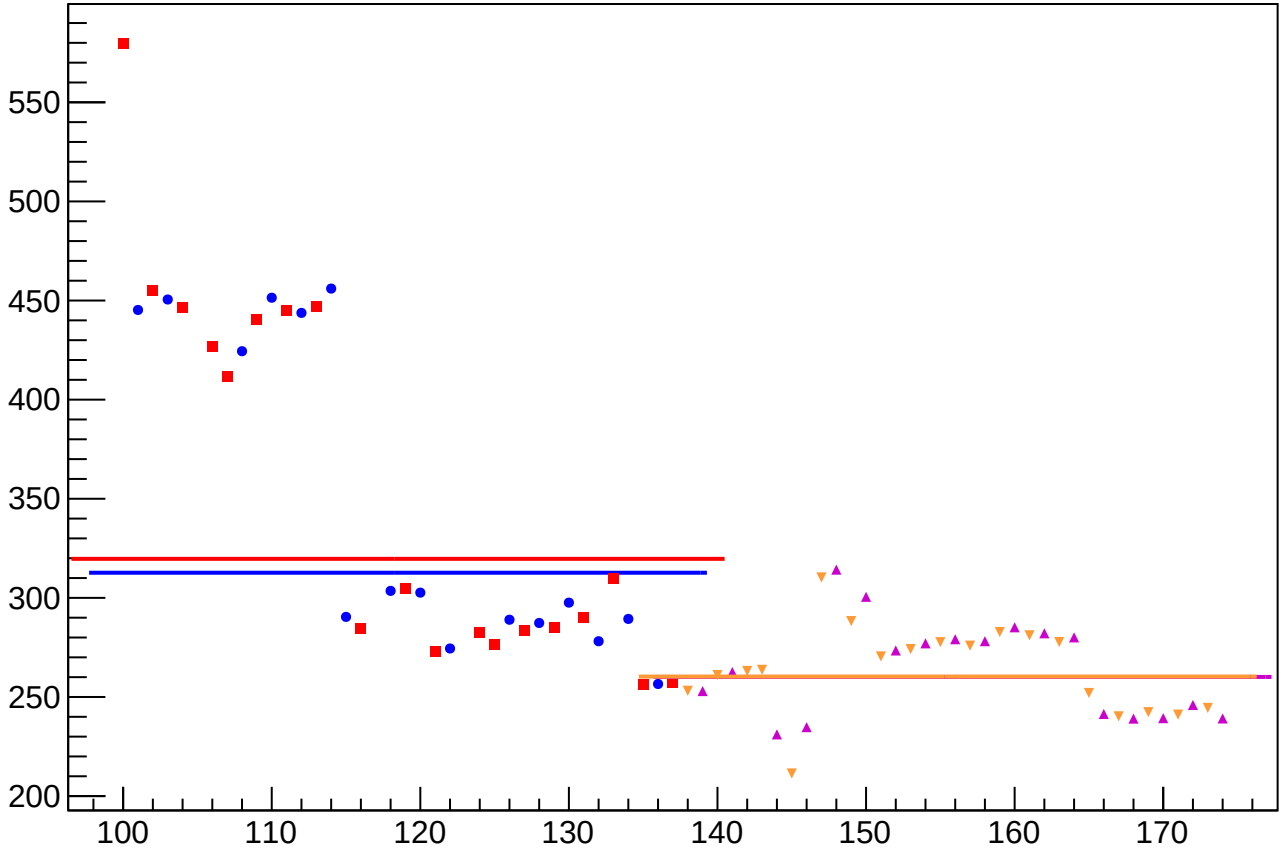
Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -76.239+/-58.881 χ^2/NDF:47.6/33

Out: -175.451+/-58.808 χ^2/NDF:61.7/37

All: -125.907+/-41.609 χ^2/NDF: 110.7/71

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

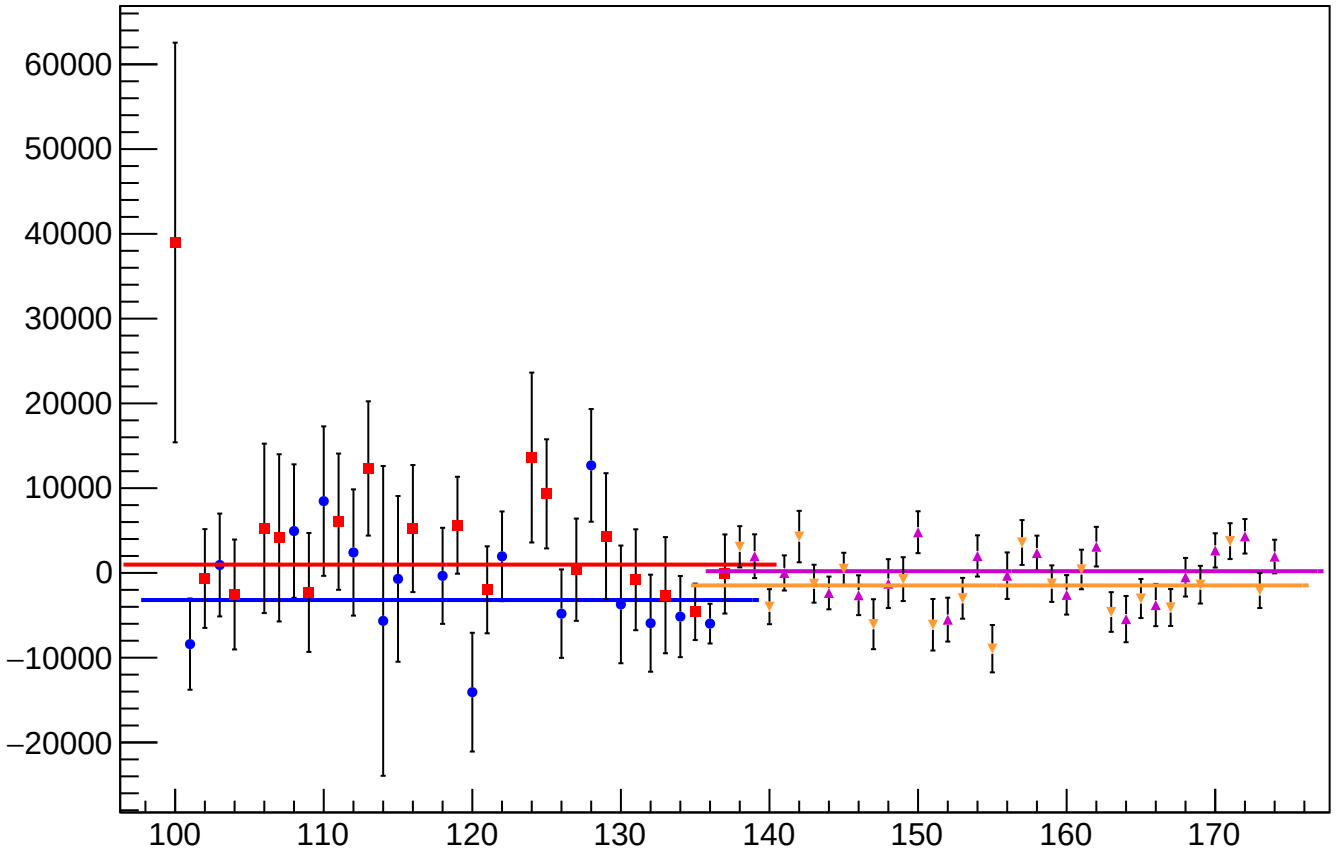
Left: 260.202+/-0.034 χ^2/NDF: 467789.4/36

Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 273.011+/-0.042 χ^2/NDF:1135102.9/33

Out: 274.509+/-0.042 χ^2/NDF:1295331.8/37

All: 273.761+/-0.029 χ^2/NDF: 2431082.7/71



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1472.899+/-538.591 χ^2/NDF:36.2/18

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 201.676+/-542.121 χ^2/NDF:30.2/17

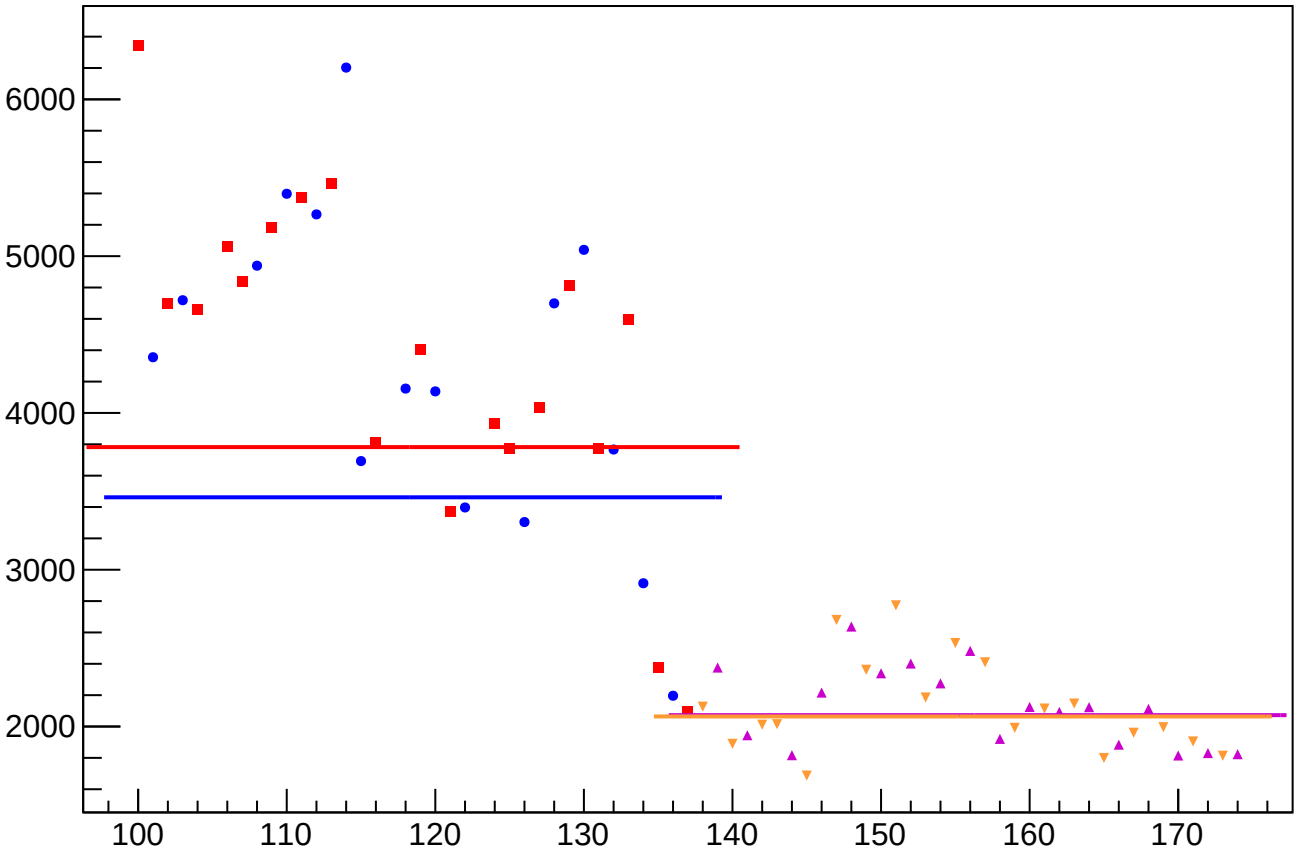
Left: -641.082+/-382.083 χ^2/NDF: 71.2/36

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -268.226+/-503.271 χ^2/NDF:51.8/33

Out: -1173.677+/-504.686 χ^2/NDF:52.7/37

All: -719.681+/-356.365 χ^2/NDF: 106.1/71



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2064.183+/-0.381 χ^2/NDF:493503.5/18

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

Left: 2068.319+/-0.270 χ^2/NDF: 879604.2/36

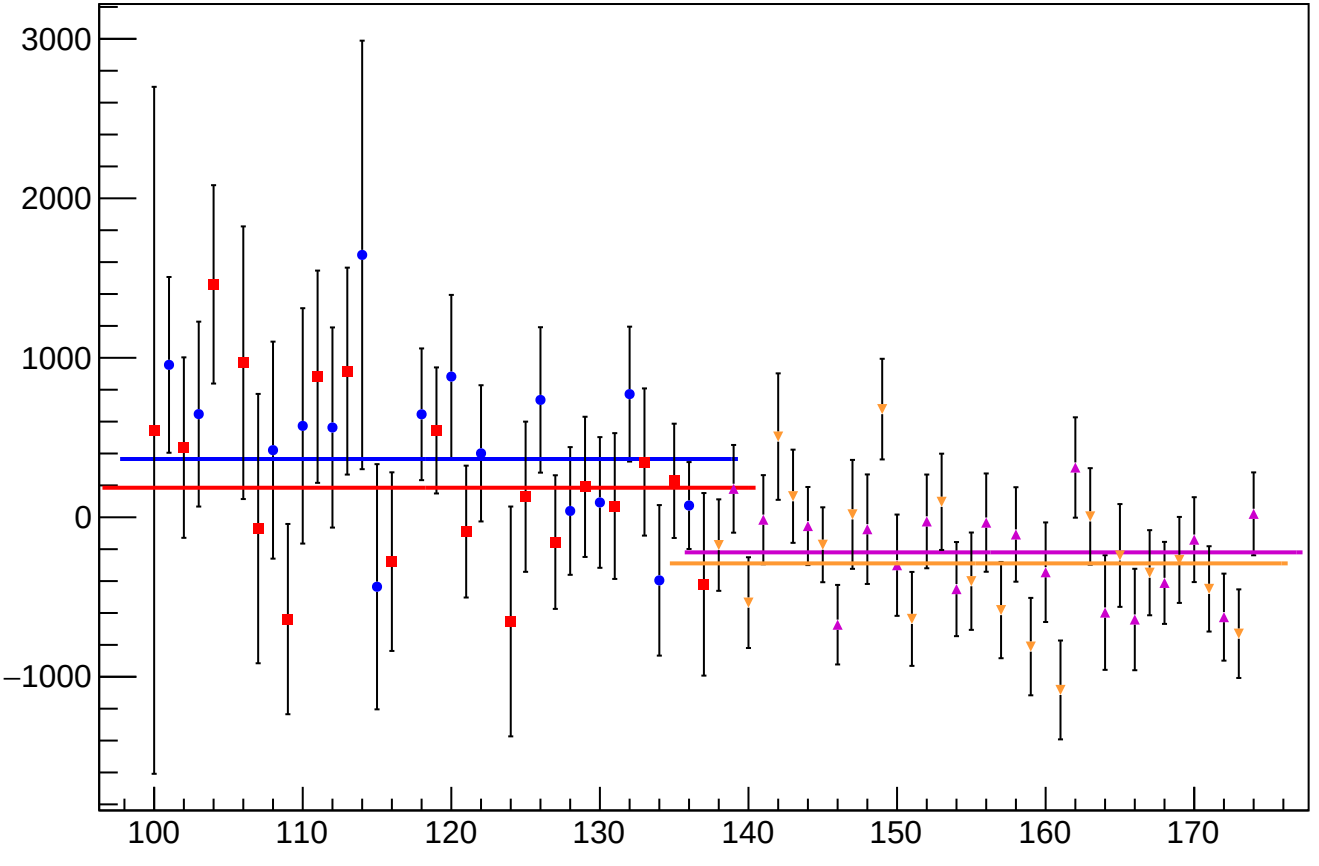
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2264.518+/-0.356 χ^2/NDF:3510928.1/33

Out: 2273.676+/-0.357 χ^2/NDF:4111276.9/37

All: 2269.084+/-0.252 χ^2/NDF: 7622535.2/71

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 365.523+/-118.873 χ^2/NDF: 11.5/15

Left Out: -288.987+/-67.429 χ^2/NDF:34.9/18

Right Out: 185.331+/-120.199 χ^2/NDF: 14.9/18

Left In: -219.863+/-67.780 χ^2/NDF:17.8/17

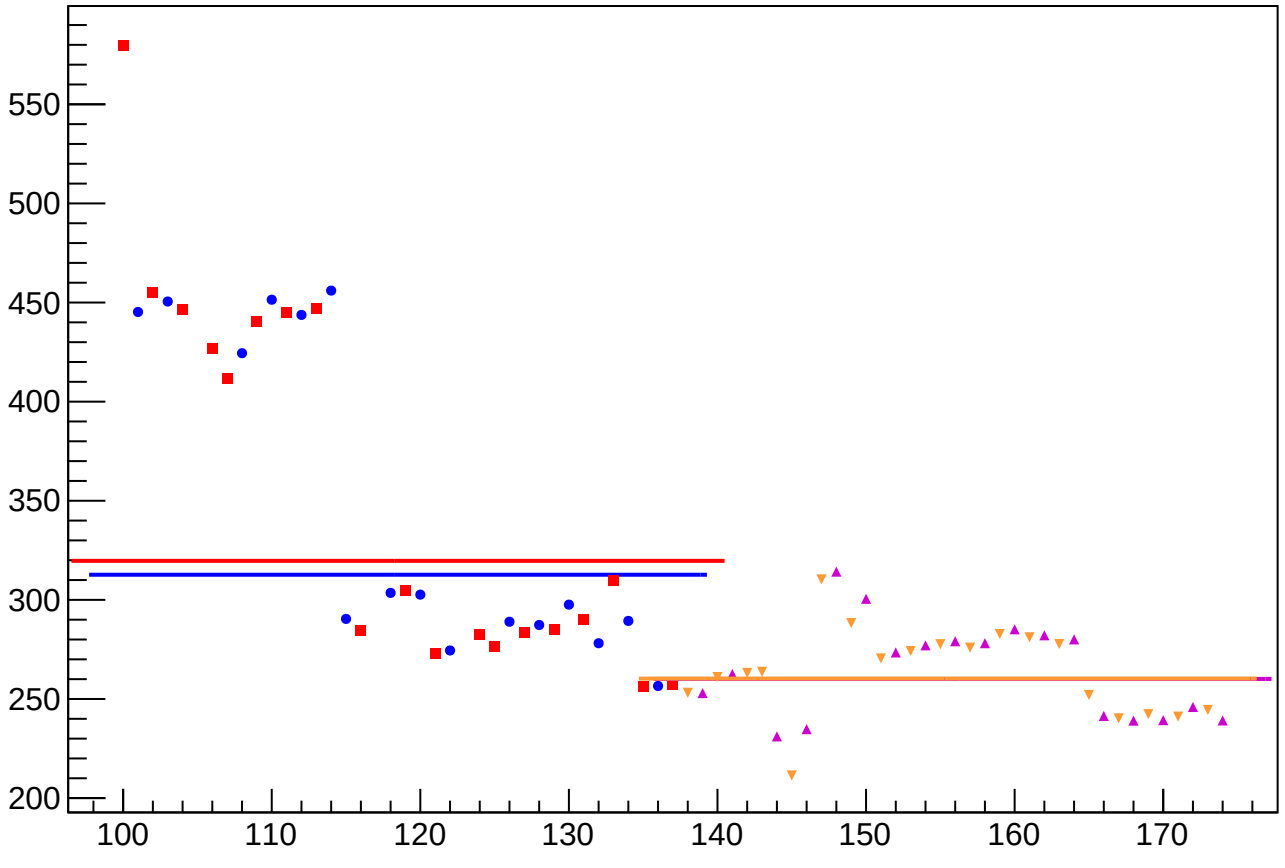
Left: -254.605+/-47.803 χ^2/NDF: 53.3/36

Right: 276.426+/-84.521 χ^2/NDF: 27.6/34

In: -76.239+/-58.881 χ^2/NDF:47.6/33

Out: -175.451+/-58.808 χ^2/NDF:61.7/37

All: -125.907+/-41.609 χ^2/NDF: 110.7/71



Right In: 312.683+/-0.084 χ^2/NDF: 602209.1/15

Left Out: 260.290+/-0.048 χ^2/NDF:230066.2/18

Right Out: 319.693+/-0.085 χ^2/NDF: 693714.1/18

Left In: 260.113+/-0.048 χ^2/NDF:237716.4/17

Left: 260.202+/-0.034 χ^2/NDF: 467789.4/36

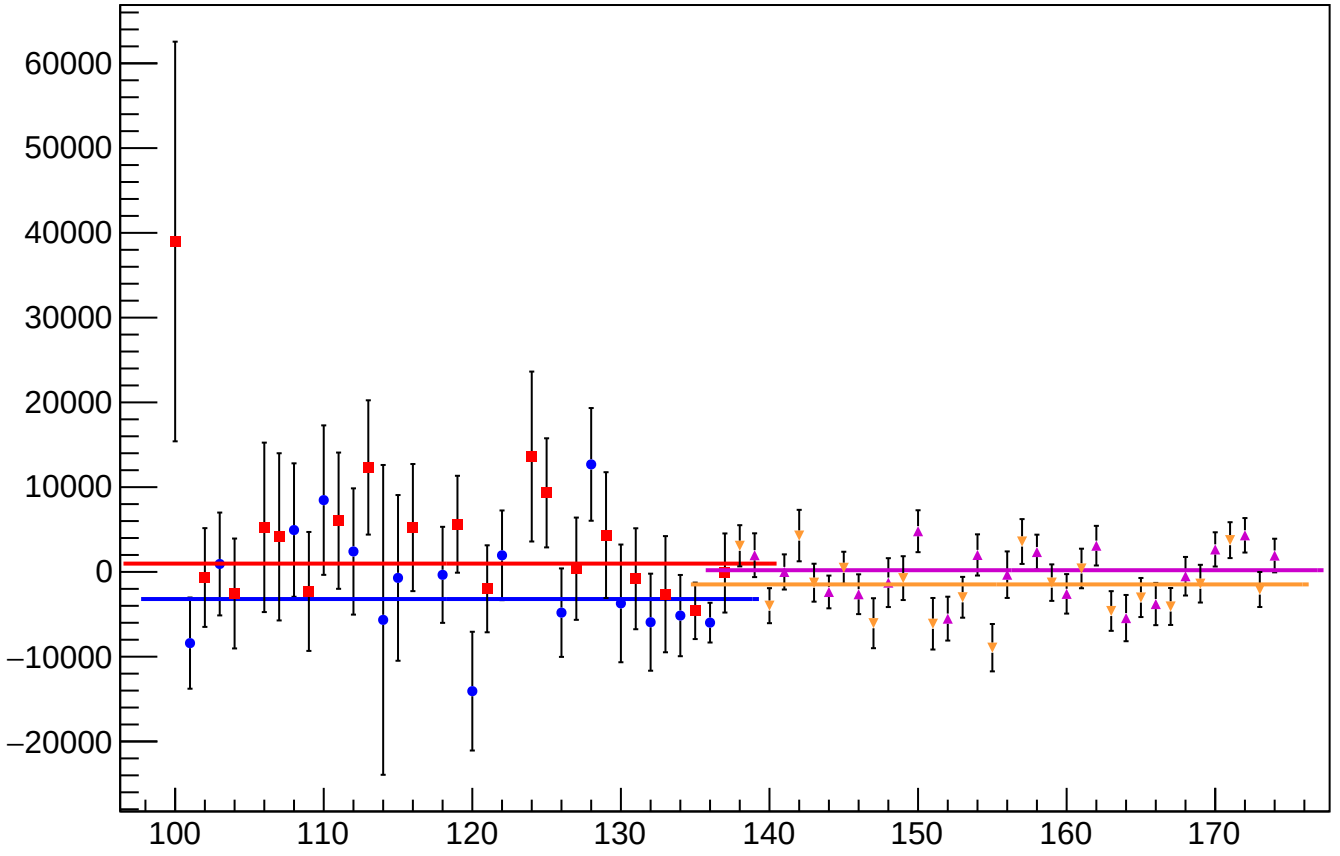
Right: 316.149+/-0.060 χ^2/NDF: 1299362.0/34

In: 273.011+/-0.042 χ^2/NDF:1135102.9/33

Out: 274.509+/-0.042 χ^2/NDF:1295331.8/37

All: 273.761+/-0.029 χ^2/NDF: 2431082.7/71

asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -3198.673+/-1353.816 χ^2/NDF: 16.1/15

Left Out: -1472.899+/-538.591 χ^2/NDF:36.2/18

Right Out: 980.937+/-1445.265 χ^2/NDF: 14.0/18

Left In: 201.676+/-542.121 χ^2/NDF:30.2/17

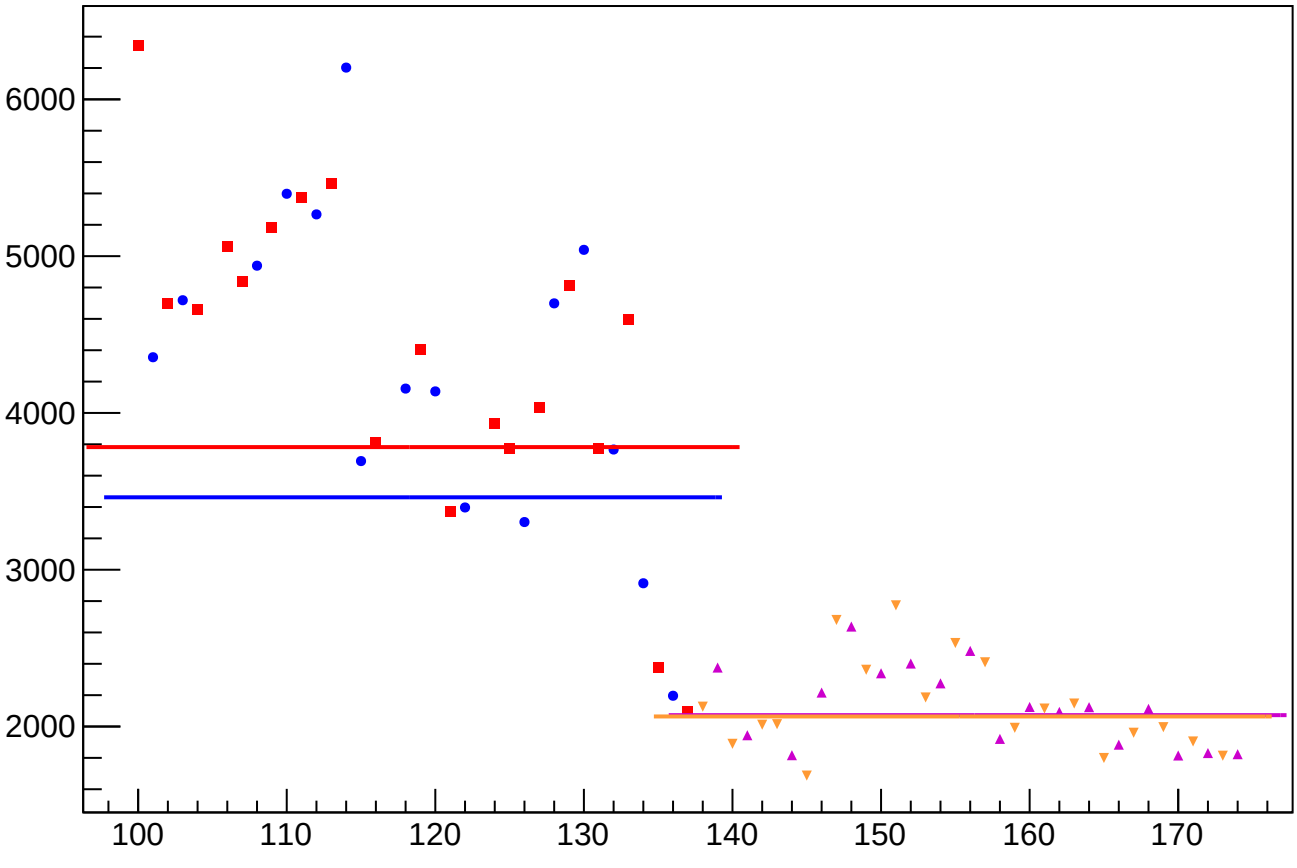
Left: -641.082+/-382.083 χ^2/NDF: 71.2/36

Right: -1245.274+/-988.041 χ^2/NDF: 34.5/34

In: -268.226+/-503.271 χ^2/NDF:51.8/33

Out: -1173.677+/-504.686 χ^2/NDF:52.7/37

All: -719.681+/-356.365 χ^2/NDF: 106.1/71



Right In: 3461.932+/-0.957 χ^2/NDF: 1309596.2/15

Left Out: 2064.183+/-0.381 χ^2/NDF:493503.5/18

Right Out: 3782.176+/-1.022 χ^2/NDF: 1136342.8/18

Left In: 2072.510+/-0.383 χ^2/NDF:385863.2/17

Left: 2068.319+/-0.270 χ^2/NDF: 879604.2/36

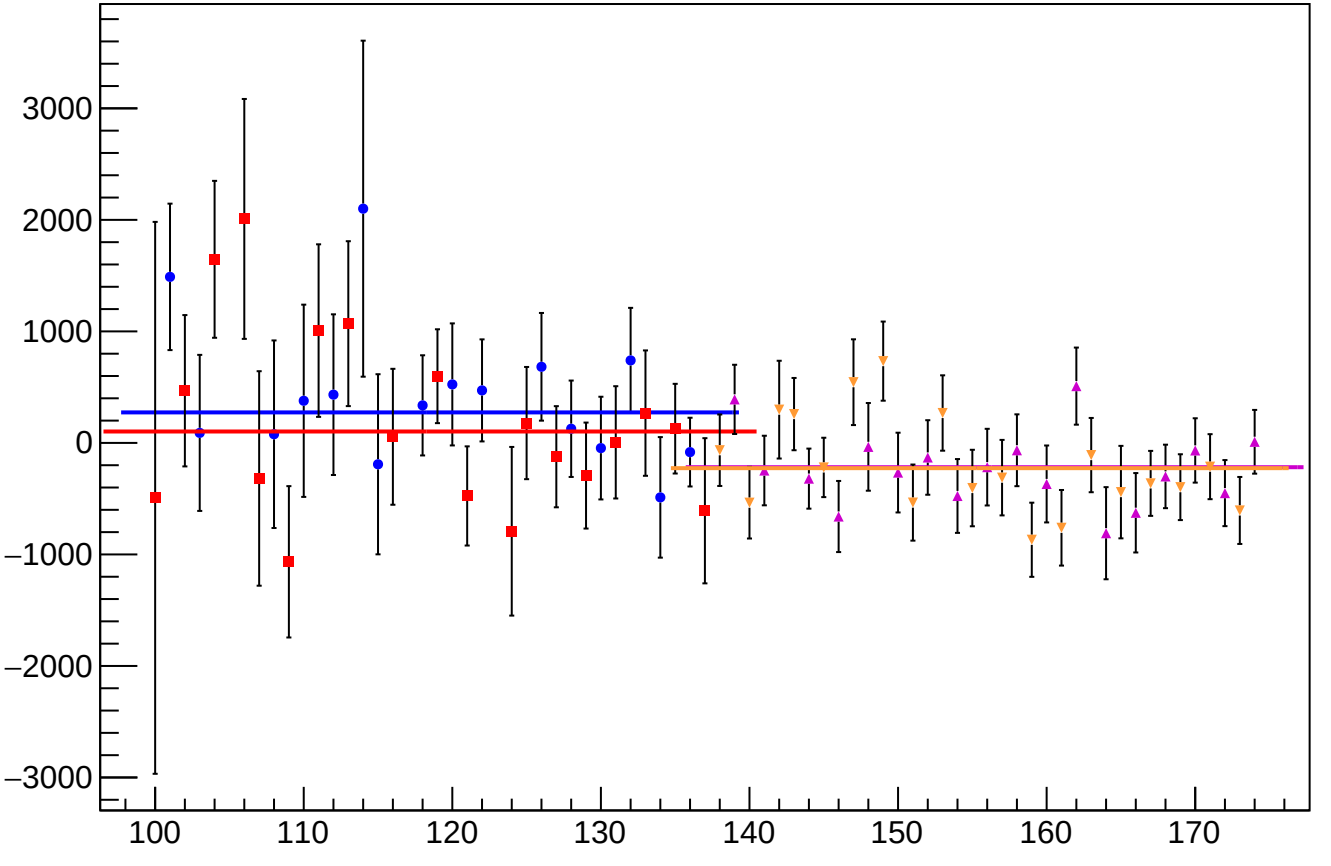
Right: 3611.602+/-0.699 χ^2/NDF: 2498242.4/34

In: 2264.518+/-0.356 χ^2/NDF:3510928.1/33

Out: 2273.676+/-0.357 χ^2/NDF:4111276.9/37

All: 2269.084+/-0.252 χ^2/NDF: 7622535.2/71

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 273.578+/-132.537 χ^2/NDF: 11.4/15

Left Out: -226.366+/-75.322 χ^2/NDF:28.2/18

Right Out: 102.369+/-133.606 χ^2/NDF: 21.3/18

Left In: -217.784+/-75.964 χ^2/NDF:16.6/17

Left: -222.112+/-53.486 χ^2/NDF: 44.9/36

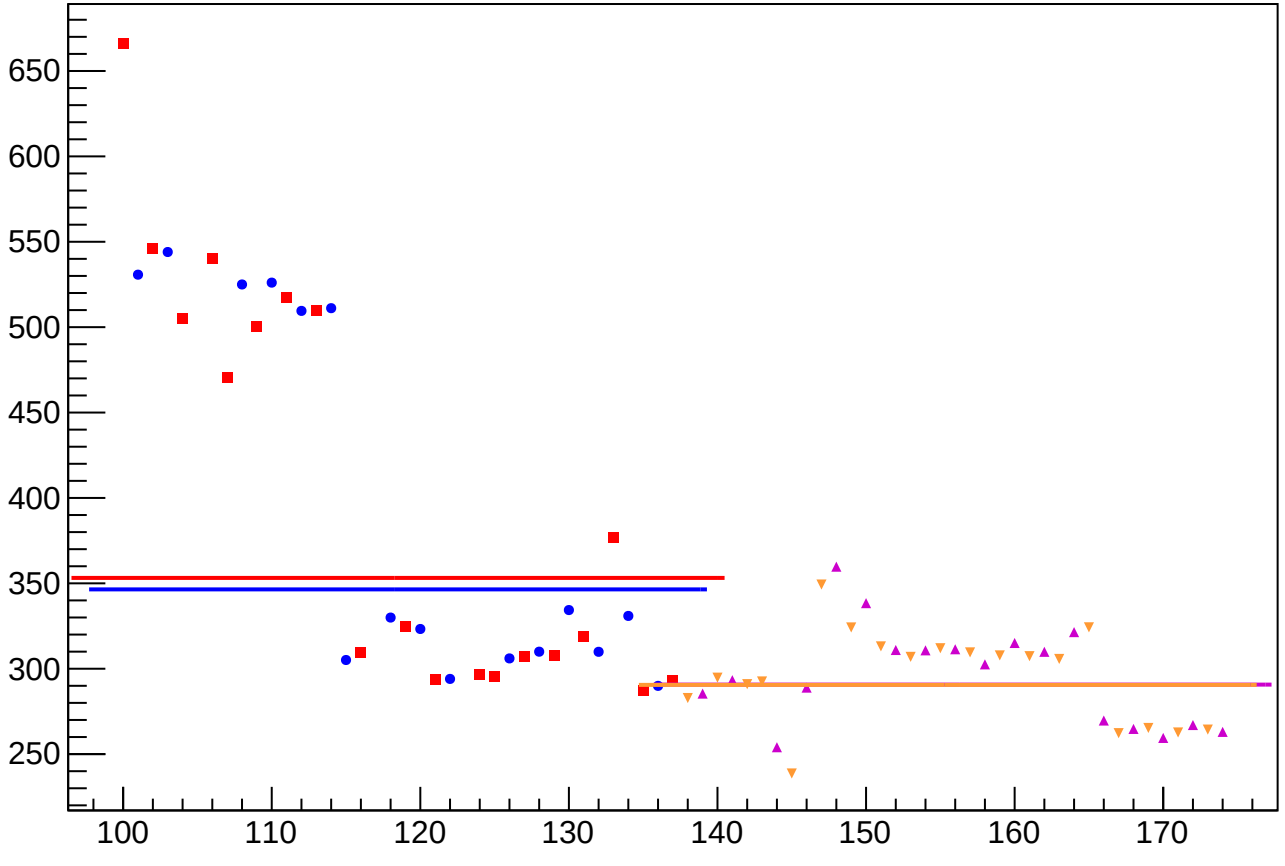
Right: 188.661+/-94.094 χ^2/NDF: 33.6/34

In: -96.283+/-65.906 χ^2/NDF:38.4/33

Out: -147.083+/-65.614 χ^2/NDF:54.1/37

All: -121.796+/-46.499 χ^2/NDF: 92.9/71

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.455+/-0.094 χ^2/NDF: 768763.1/15

Left Out: 290.541+/-0.053 χ^2/NDF:264420.9/18

Right Out: 353.178+/-0.094 χ^2/NDF: 866364.3/18

Left In: 290.699+/-0.054 χ^2/NDF:265627.1/17

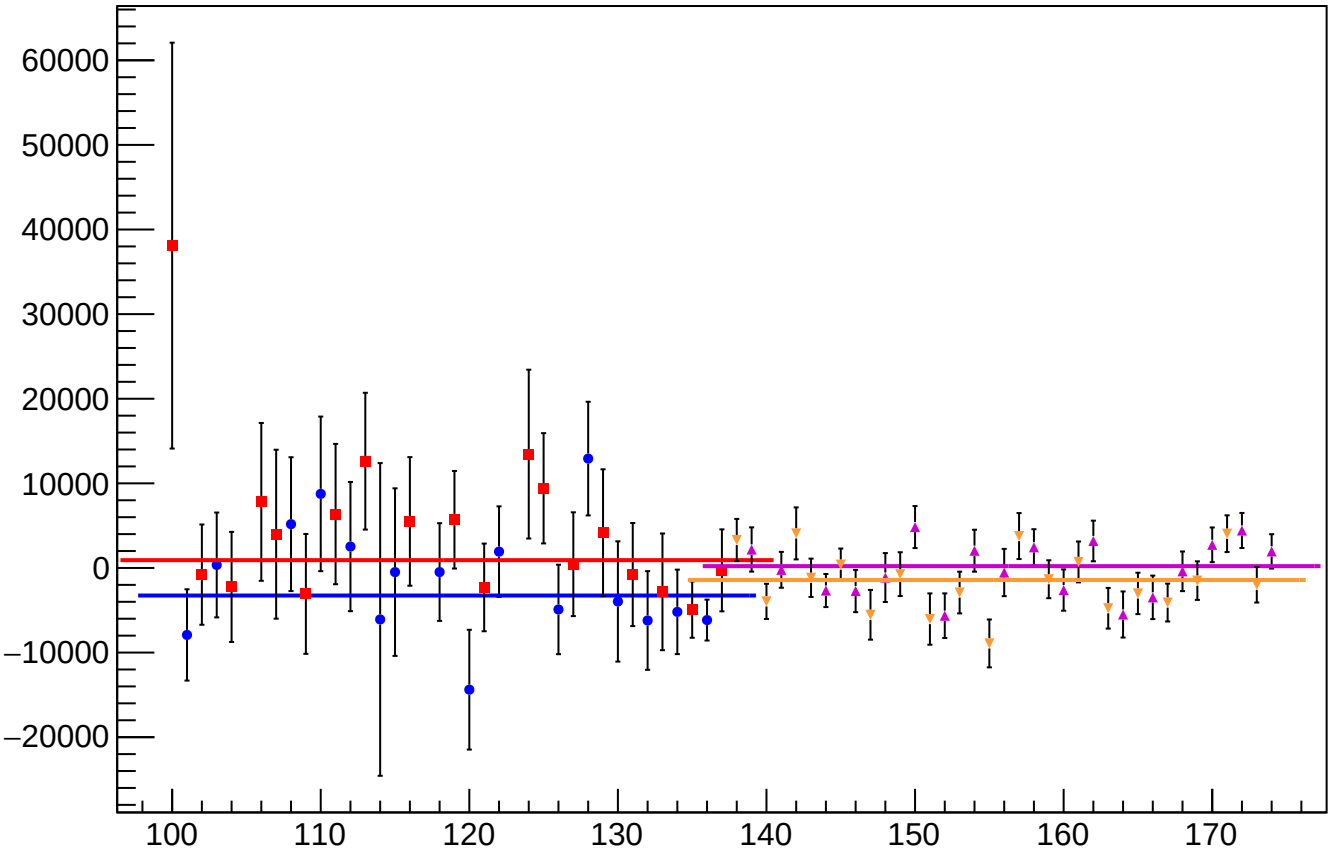
Left: 290.619+/-0.038 χ^2/NDF: 530052.4/36

Right: 349.789+/-0.067 χ^2/NDF: 1637679.7/34

In: 304.486+/-0.047 χ^2/NDF:1300811.2/33

Out: 305.647+/-0.046 χ^2/NDF:1464350.2/37

All: 305.069+/-0.033 χ^2/NDF: 2765473.1/71



Right In: -3258.837+/-1384.139 χ^2/NDF: 16.0/15

Left Out: -1425.634+/-549.615 χ^2/NDF:35.6/18

Right Out: 921.196+/-1460.727 χ^2/NDF: 14.6/18

Left In: 216.904+/-554.775 χ^2/NDF:30.3/17

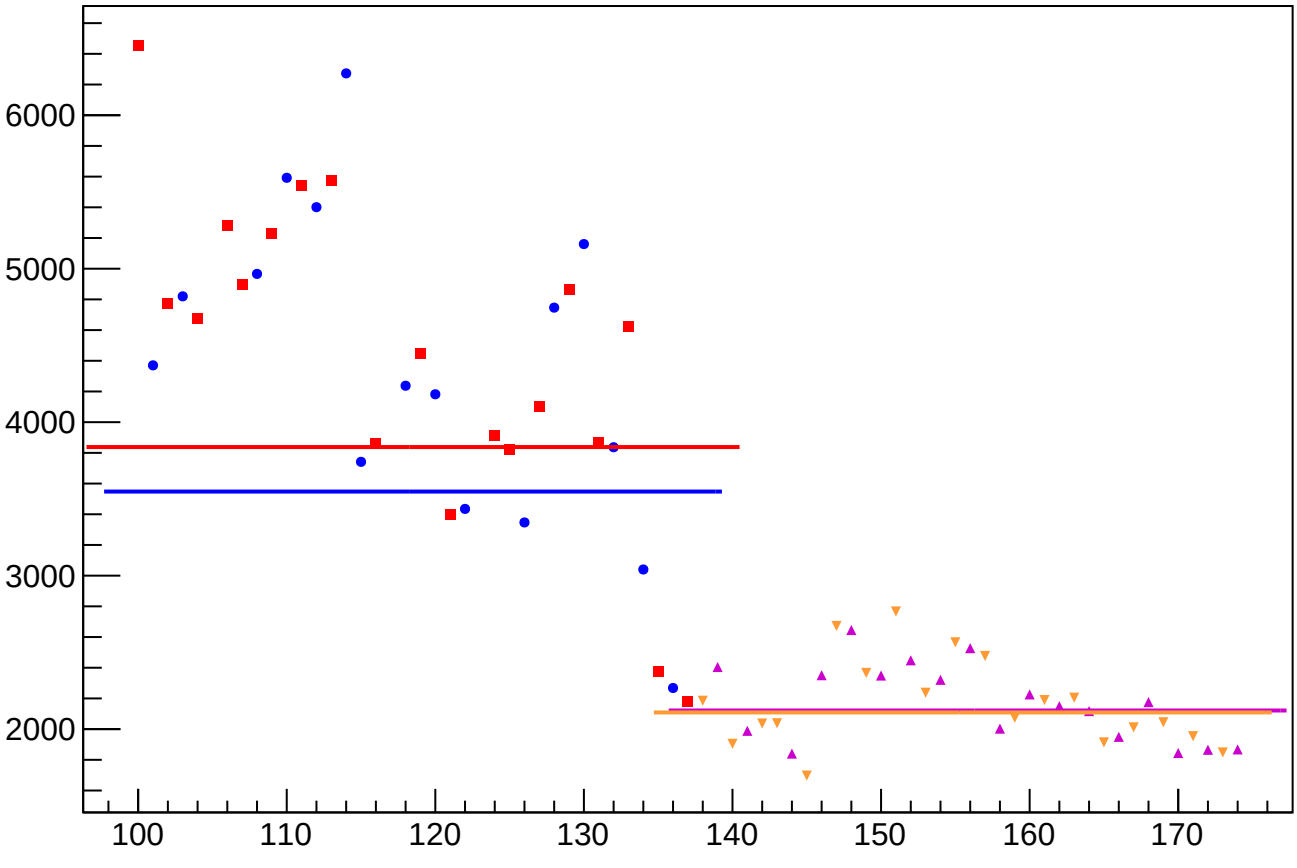
Left: -612.040+/-390.448 χ^2/NDF: 70.3/36

Right: -1281.271+/-1004.719 χ^2/NDF: 35.0/34

In: -264.181+/-514.952 χ^2/NDF:51.7/33

Out: -1134.592+/-514.407 χ^2/NDF:52.5/37

All: -699.847+/-363.933 χ^2/NDF: 105.6/71



Right In: 3547.969+/-0.979 χ^2/NDF: 1258486.8/15

Left Out: 2108.749+/-0.389 χ^2/NDF:464650.9/18

Right Out: 3837.970+/-1.033 χ^2/NDF: 1155831.8/18

Left In: 2121.444+/-0.392 χ^2/NDF:376379.5/17

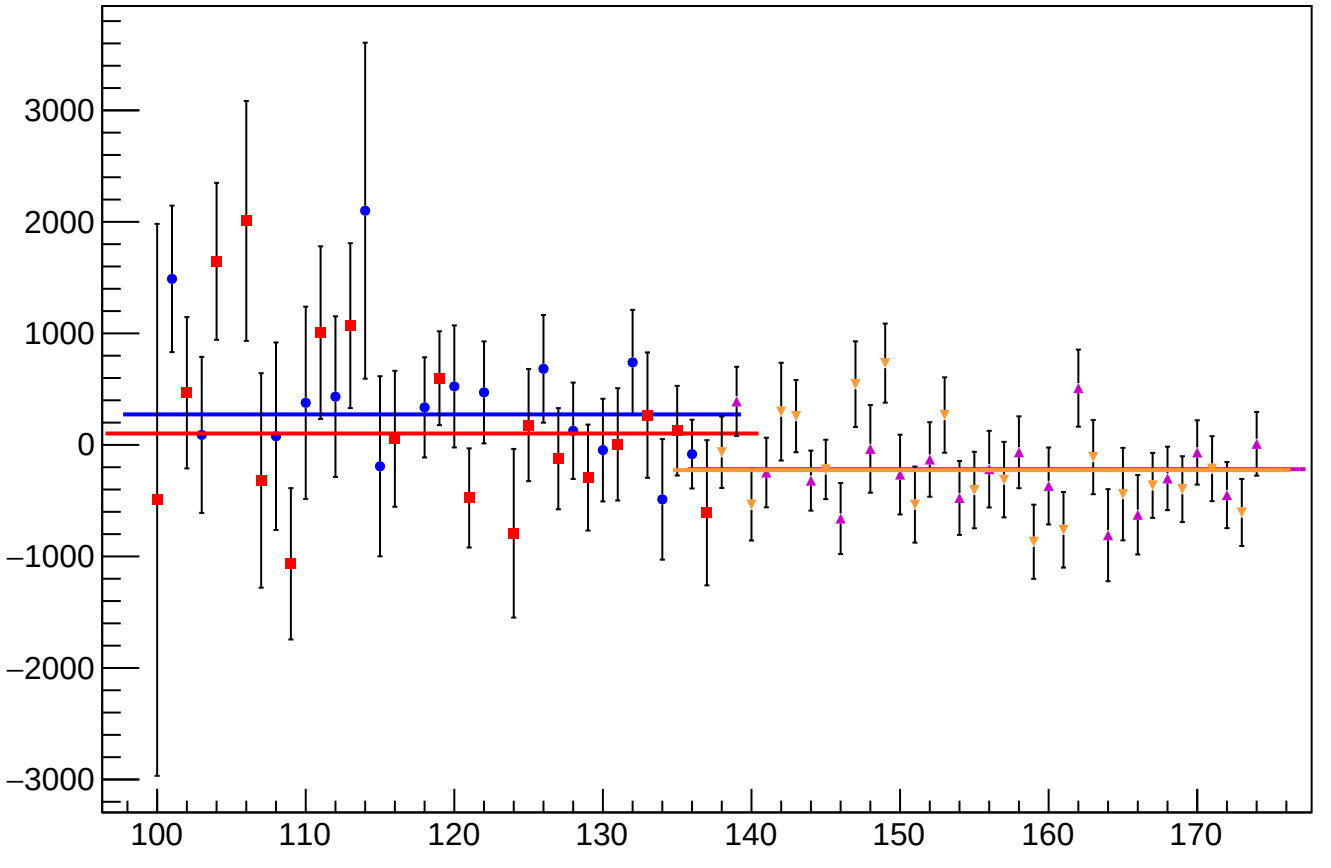
Left: 2115.037+/-0.276 χ^2/NDF: 841558.9/36

Right: 3685.168+/-0.710 χ^2/NDF: 2455854.0/34

In: 2318.892+/-0.364 χ^2/NDF:3465194.9/33

Out: 2323.199+/-0.364 χ^2/NDF:4075695.4/37

All: 2321.048+/-0.257 χ^2/NDF: 7540960.2/71



Right In: 273.582+/-132.536 χ^2/NDF: 11.4/15

Left Out: -226.371+/-75.322 χ^2/NDF:28.2/18

Right Out: 102.368+/-133.606 χ^2/NDF: 21.3/18

Left In: -217.787+/-75.964 χ^2/NDF:16.6/17

Left: -222.116+/-53.486 χ^2/NDF: 44.9/36

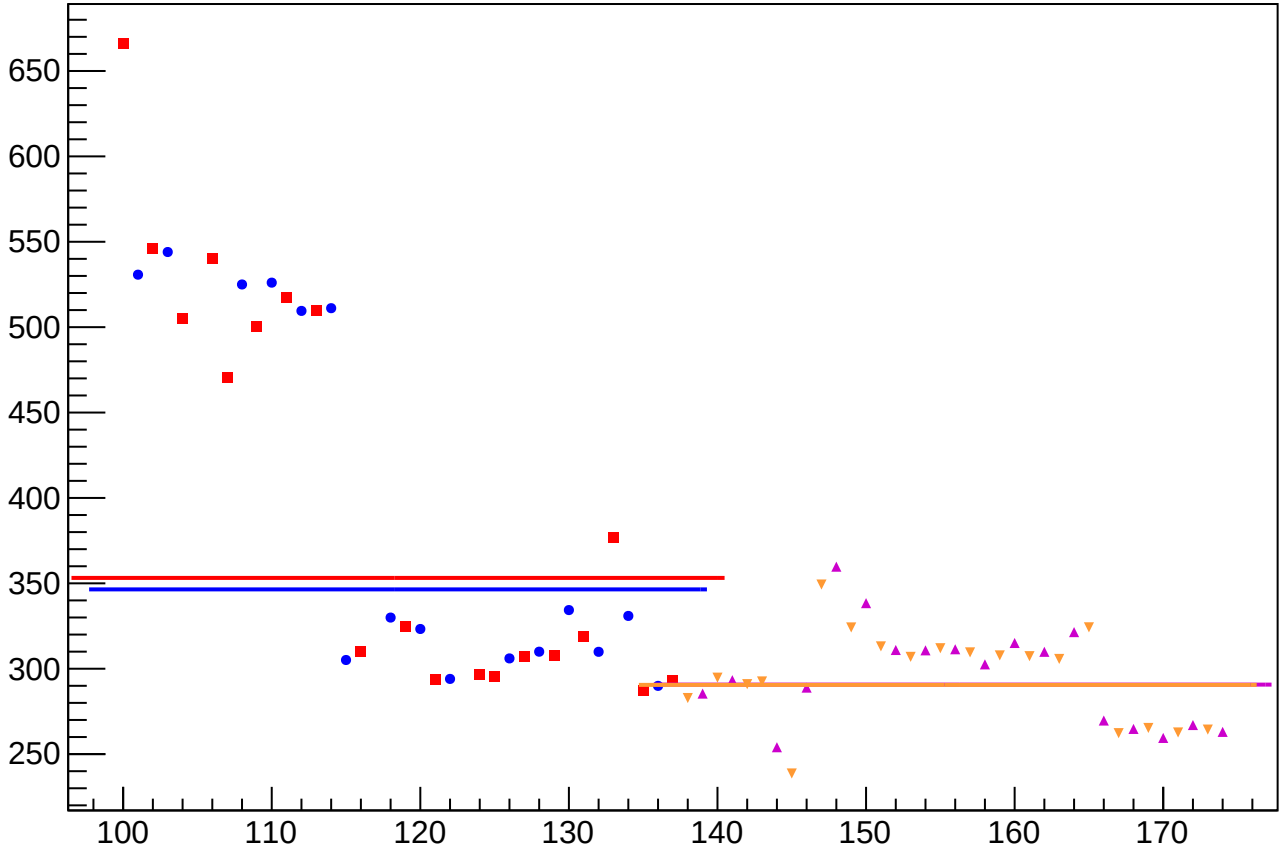
Right: 188.663+/-94.093 χ^2/NDF: 33.6/34

In: -96.283+/-65.906 χ^2/NDF:38.4/33

Out: -147.087+/-65.613 χ^2/NDF:54.1/37

All: -121.798+/-46.499 χ^2/NDF: 92.9/71

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 346.453+/-0.094 χ^2/NDF: 768754.7/15

Left Out: 290.541+/-0.053 χ^2/NDF:264426.4/18

Right Out: 353.176+/-0.094 χ^2/NDF: 866353.6/18

Left In: 290.699+/-0.054 χ^2/NDF:265629.5/17

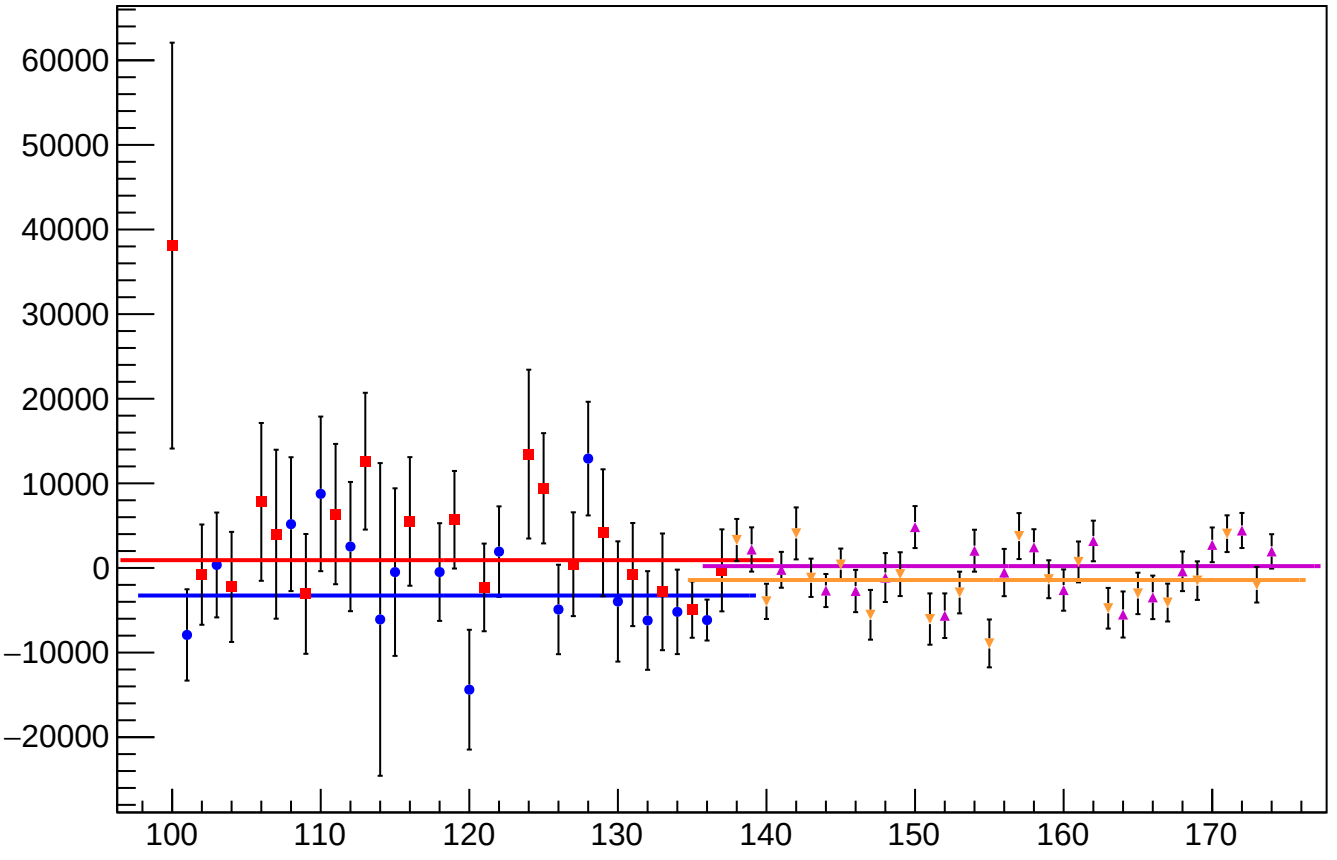
Left: 290.619+/-0.038 χ^2/NDF: 530060.2/36

Right: 349.788+/-0.067 χ^2/NDF: 1637661.2/34

In: 304.486+/-0.047 χ^2/NDF:1300788.1/33

Out: 305.647+/-0.046 χ^2/NDF:1464333.3/37

All: 305.069+/-0.033 χ^2/NDF: 2765433.2/71



Right In: -3258.828+/-1384.137 χ^2/NDF: 16.0/15

Left Out: -1425.635+/-549.615 χ^2/NDF:35.6/18

Right Out: 921.200+/-1460.725 χ^2/NDF: 14.6/18

Left In: 216.904+/-554.775 χ^2/NDF:30.3/17

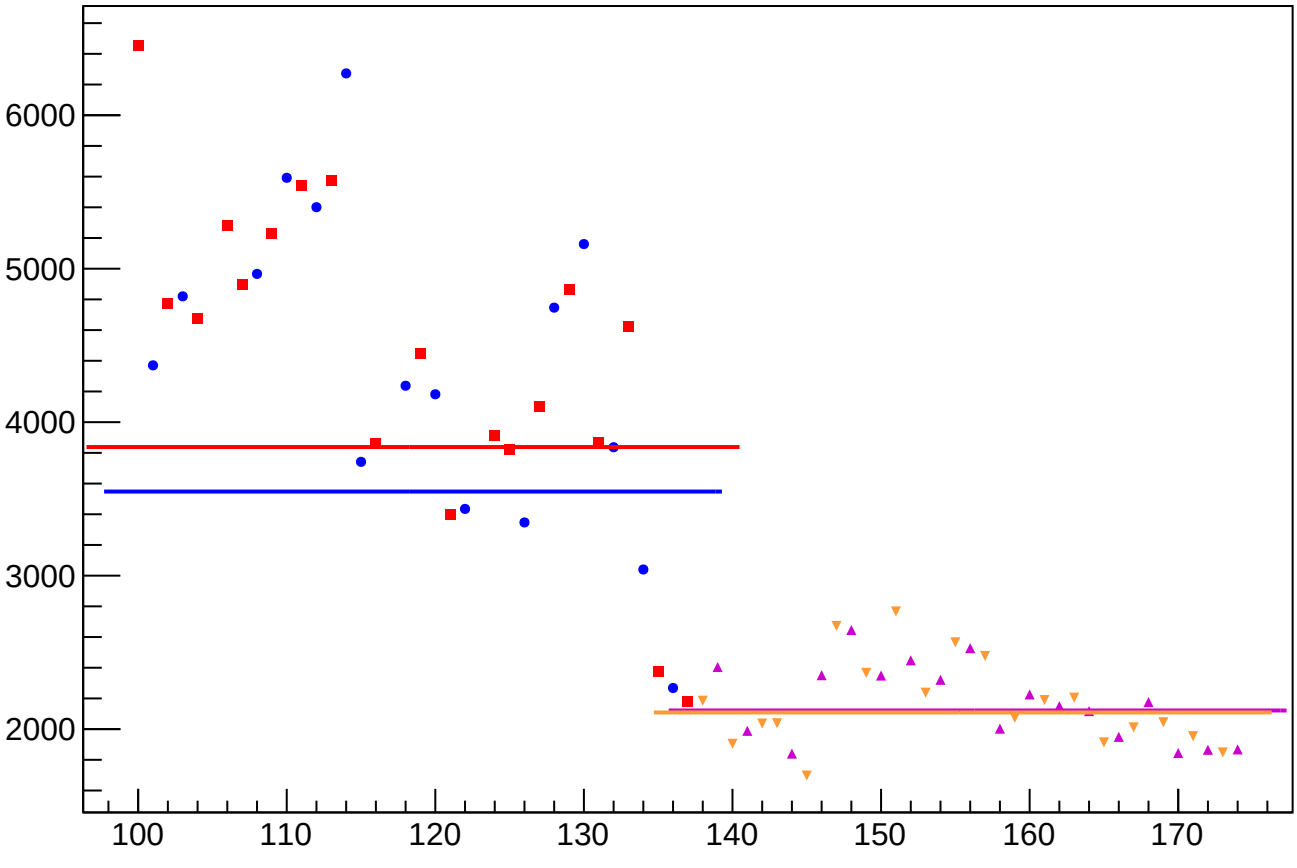
Left: -612.041+/-390.448 χ^2/NDF: 70.3/36

Right: -1281.264+/-1004.718 χ^2/NDF: 35.0/34

In: -264.181+/-514.952 χ^2/NDF:51.7/33

Out: -1134.591+/-514.407 χ^2/NDF:52.5/37

All: -699.847+/-363.933 χ^2/NDF: 105.6/71



Right In: 3547.966+/-0.979 χ^2/NDF: 1258472.8/15

Left Out: 2108.749+/-0.389 χ^2/NDF:464655.6/18

Right Out: 3837.965+/-1.033 χ^2/NDF: 1155821.5/18

Left In: 2121.444+/-0.392 χ^2/NDF:376380.3/17

Left: 2115.037+/-0.276 χ^2/NDF: 841564.5/36

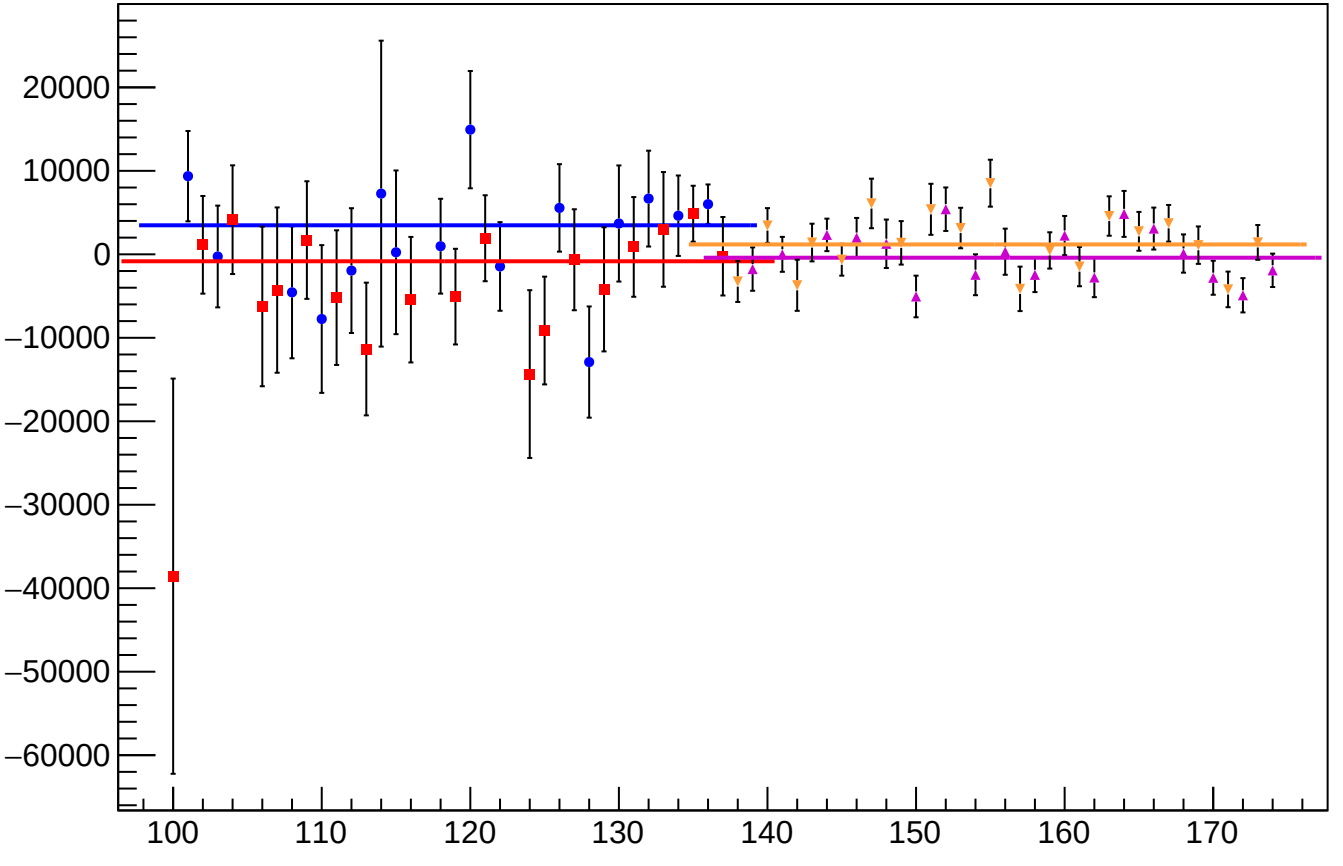
Right: 3685.164+/-0.710 χ^2/NDF: 2455829.5/34

In: 2318.892+/-0.364 χ^2/NDF:3465177.6/33

Out: 2323.198+/-0.364 χ^2/NDF:4075684.8/37

All: 2321.048+/-0.257 χ^2/NDF: 7540932.4/71

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3478.372+/-1360.356 χ^2/NDF: 16.3/15

Left Out: 1183.505+/-542.978 χ^2/NDF:35.7/18

Right Out: -832.583+/-1449.649 χ^2/NDF: 14.0/18

Left In: -407.006+/-546.527 χ^2/NDF:28.5/17

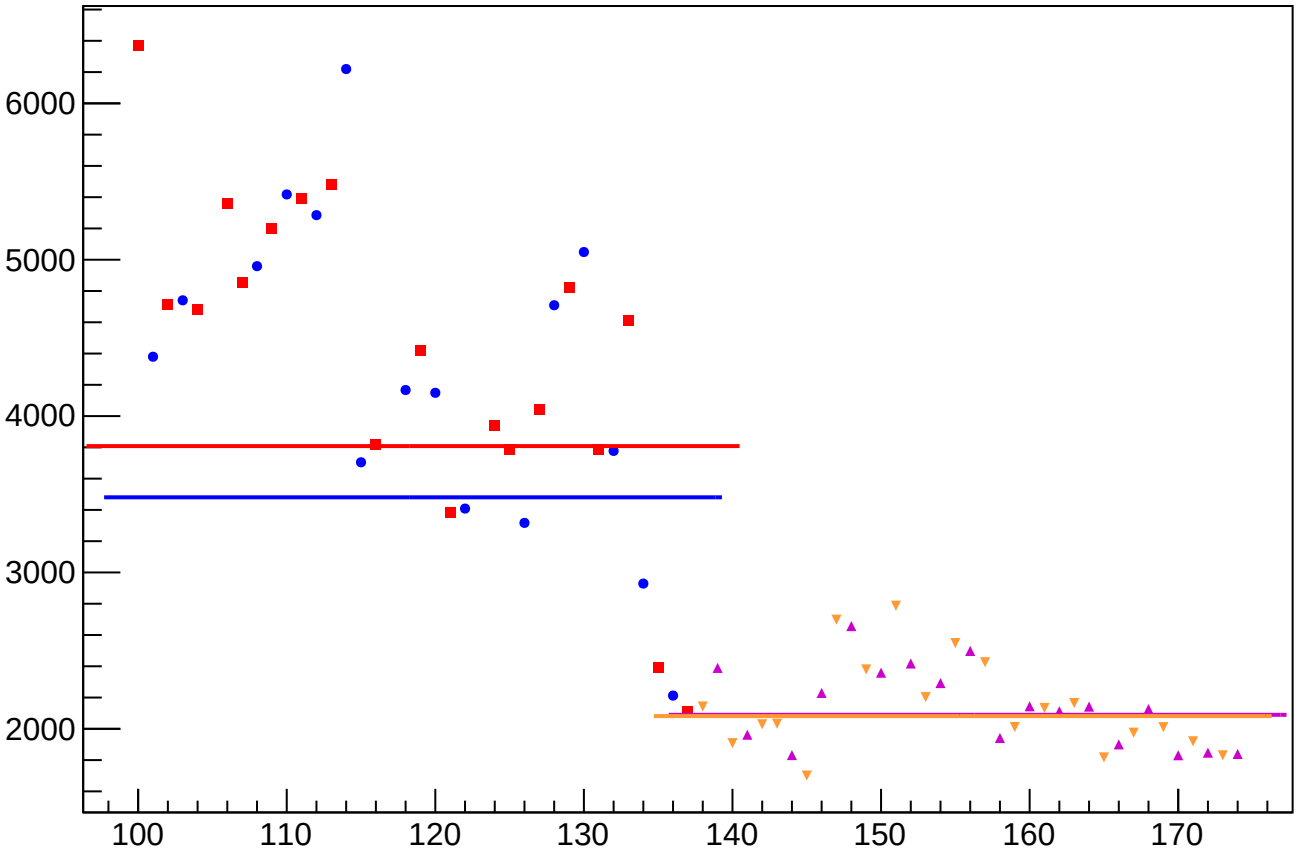
Left: 393.430+/-385.192 χ^2/NDF: 68.5/36

Right: 1459.744+/-991.983 χ^2/NDF: 35.1/34

In: 132.961+/-507.131 χ^2/NDF:51.9/33

Out: 935.459+/-508.480 χ^2/NDF:51.4/37

All: 533.144+/-359.072 χ^2/NDF: 104.5/71



Right In: 3480.559+/-0.962 χ^2/NDF: 1296641.6/15

Left Out: 2081.367+/-0.384 χ^2/NDF:487331.8/18

Right Out: 3808.151+/-1.025 χ^2/NDF: 1147564.2/18

Left In: 2089.647+/-0.386 χ^2/NDF:380465.1/17

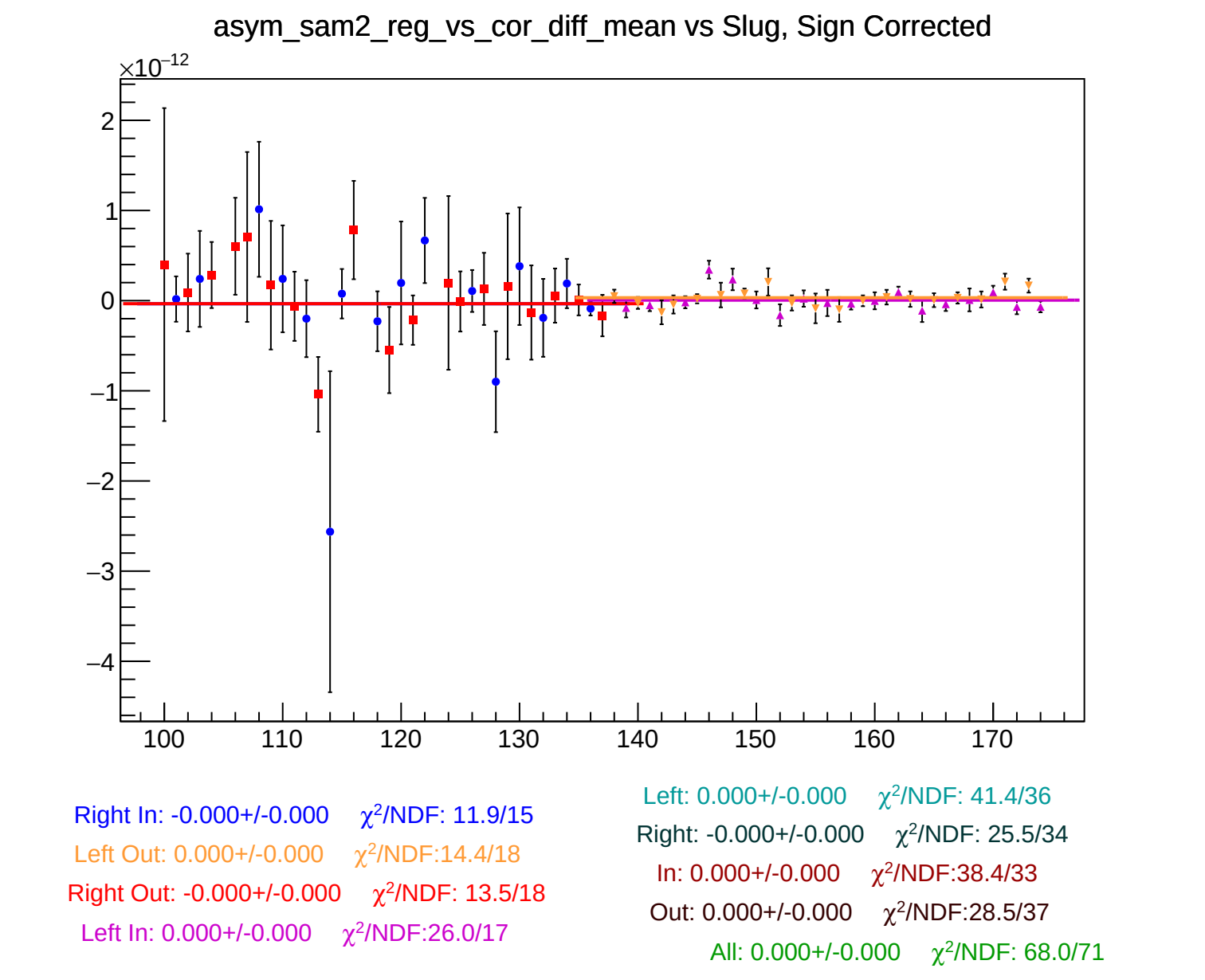
Left: 2085.480+/-0.272 χ^2/NDF: 868028.0/36

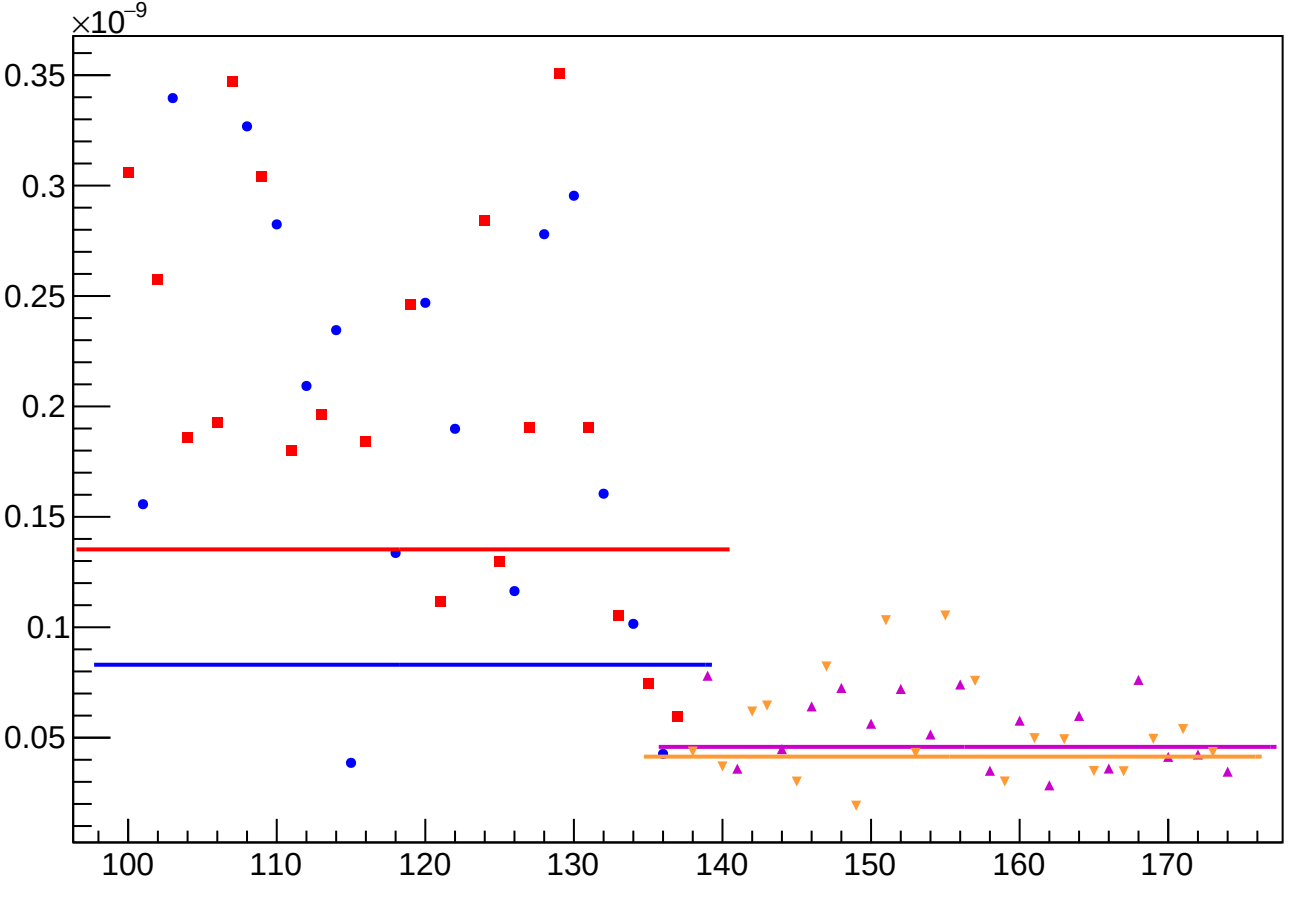
Right: 3633.956+/-0.701 χ^2/NDF: 2498515.1/34

In: 2282.948+/-0.359 χ^2/NDF:3477387.7/33

Out: 2293.819+/-0.360 χ^2/NDF:4123546.2/37

All: 2288.369+/-0.254 χ^2/NDF: 7601392.1/71


asym_sam2_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 11.9/15
Left Out: 0.000+/-0.000 χ²/NDF:14.4/18
Right Out: -0.000+/-0.000 χ²/NDF: 13.5/18
Left In: 0.000+/-0.000 χ²/NDF:26.0/17
Left: 0.000+/-0.000 χ²/NDF: 41.4/36
Right: -0.000+/-0.000 χ²/NDF: 25.5/34
In: 0.000+/-0.000 χ²/NDF:38.4/33
Out: 0.000+/-0.000 χ²/NDF:28.5/37
All: 0.000+/-0.000 χ²/NDF: 68.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 2702339.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1720510.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1401659.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1096411.2/17

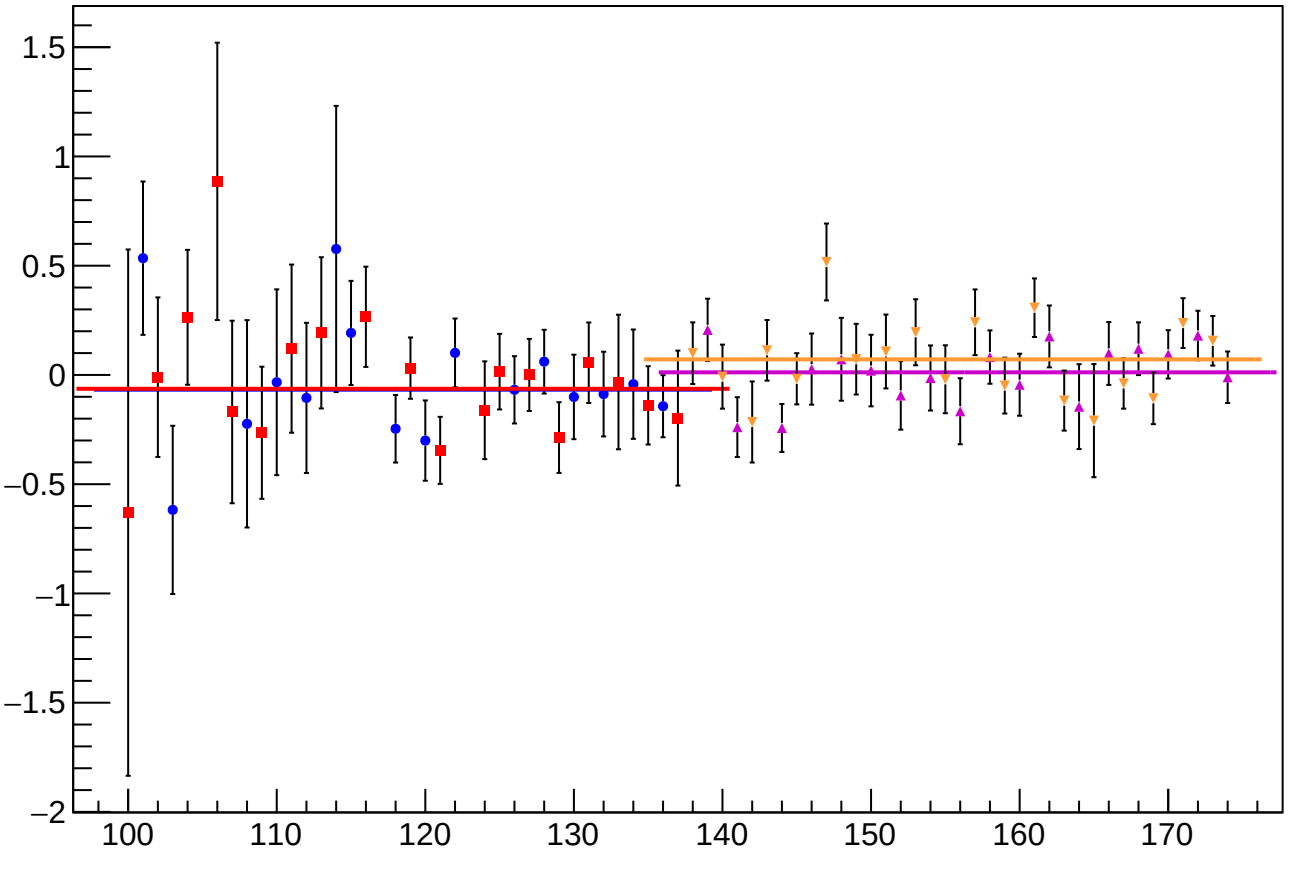
Left: 0.000+/-0.000 χ^2/NDF: 2870999.0/36

Right: 0.000+/-0.000 χ^2/NDF: 4605860.5/34

In: 0.000+/-0.000 χ^2/NDF:4479608.3/33

Out: 0.000+/-0.000 χ^2/NDF:5460764.9/37

All: 0.000+/-0.000 χ^2/NDF: 9984595.2/71



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

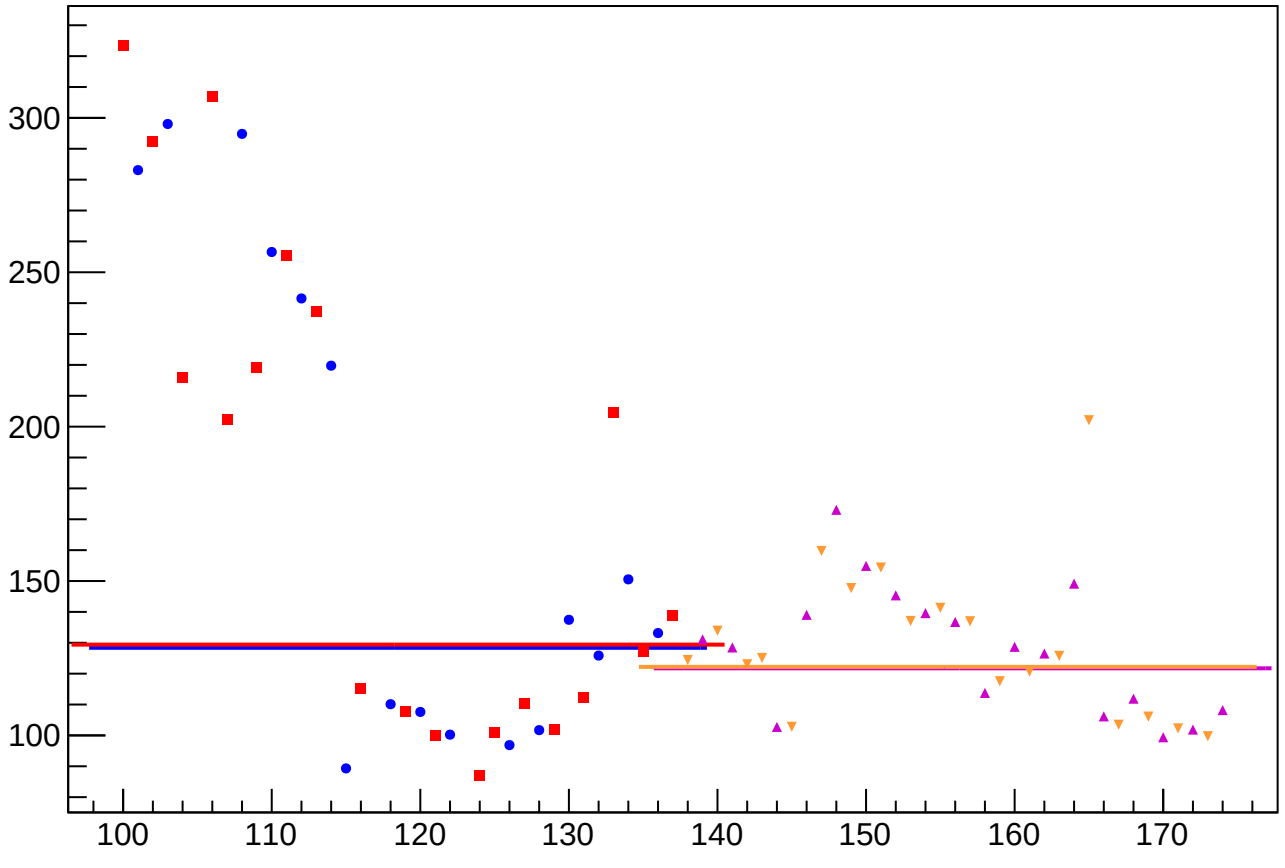
Left: 0.042+/-0.023 χ^2/NDF: 45.8/36

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.012+/-0.019 χ^2/NDF: 78.4/71



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.200+/-0.023 χ^2/NDF:775531.1/18

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

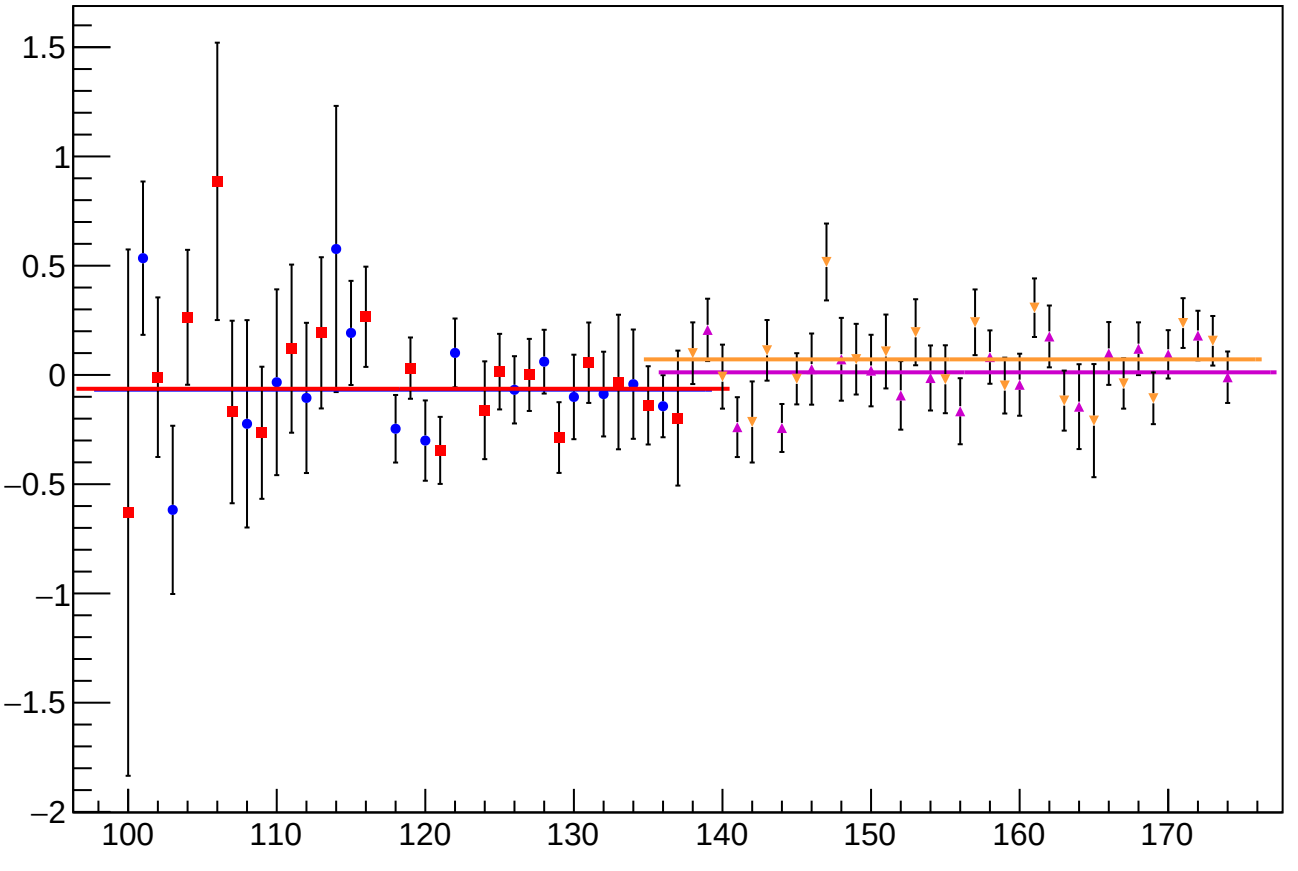
Left: 121.967+/-0.016 χ^2/NDF: 1455660.5/36

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.592+/-0.019 χ^2/NDF:2508751.1/33

Out: 124.206+/-0.019 χ^2/NDF:2691864.0/37

All: 123.901+/-0.014 χ^2/NDF: 5201119.3/71



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

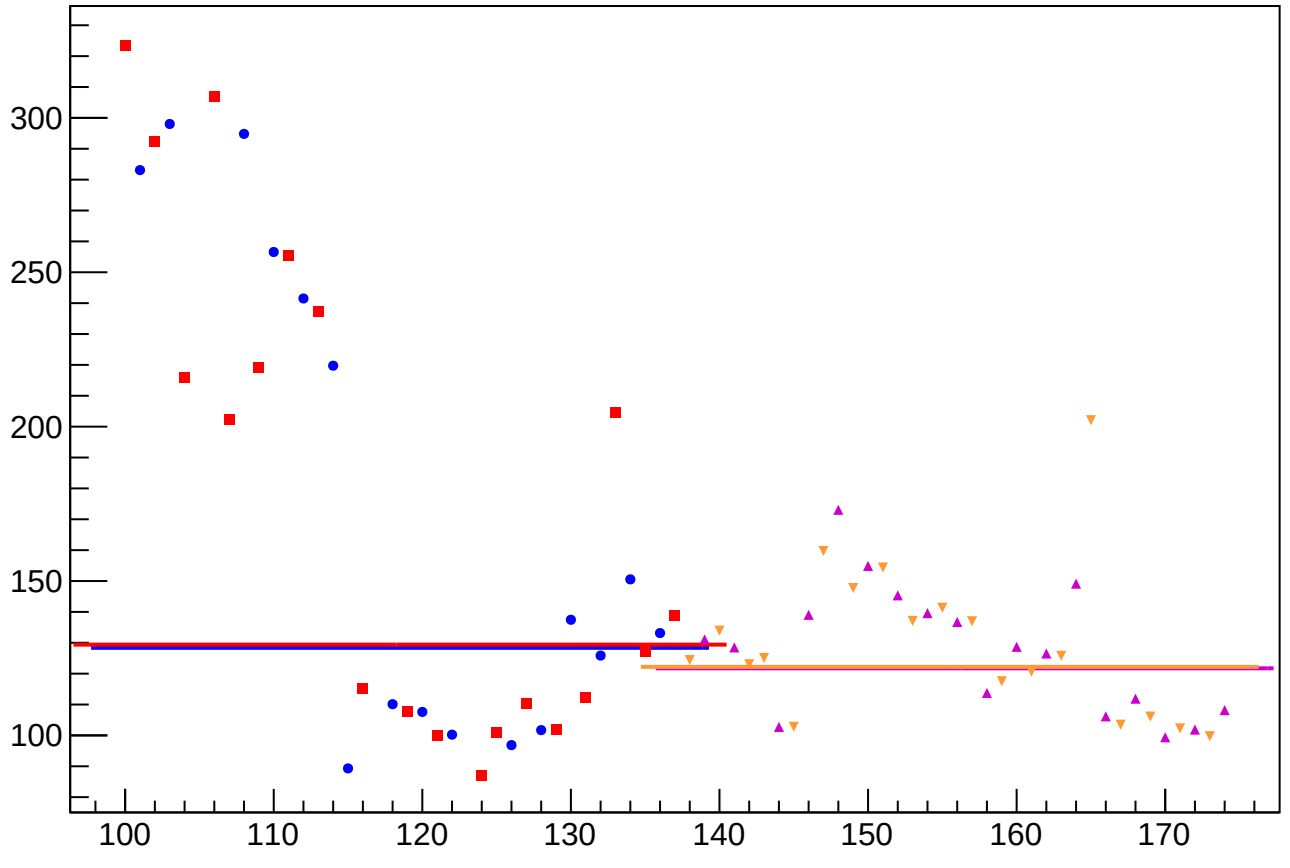
Left: 0.042+/-0.023 χ^2/NDF: 45.8/36

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.012+/-0.019 χ^2/NDF: 78.4/71



Right In: 128.380+/-0.037 χ^2/NDF: 1805078.6/15

Left Out: 122.200+/-0.023 χ^2/NDF:775531.1/18

Right Out: 129.399+/-0.037 χ^2/NDF: 1888271.6/18

Left In: 121.730+/-0.023 χ^2/NDF:679916.6/17

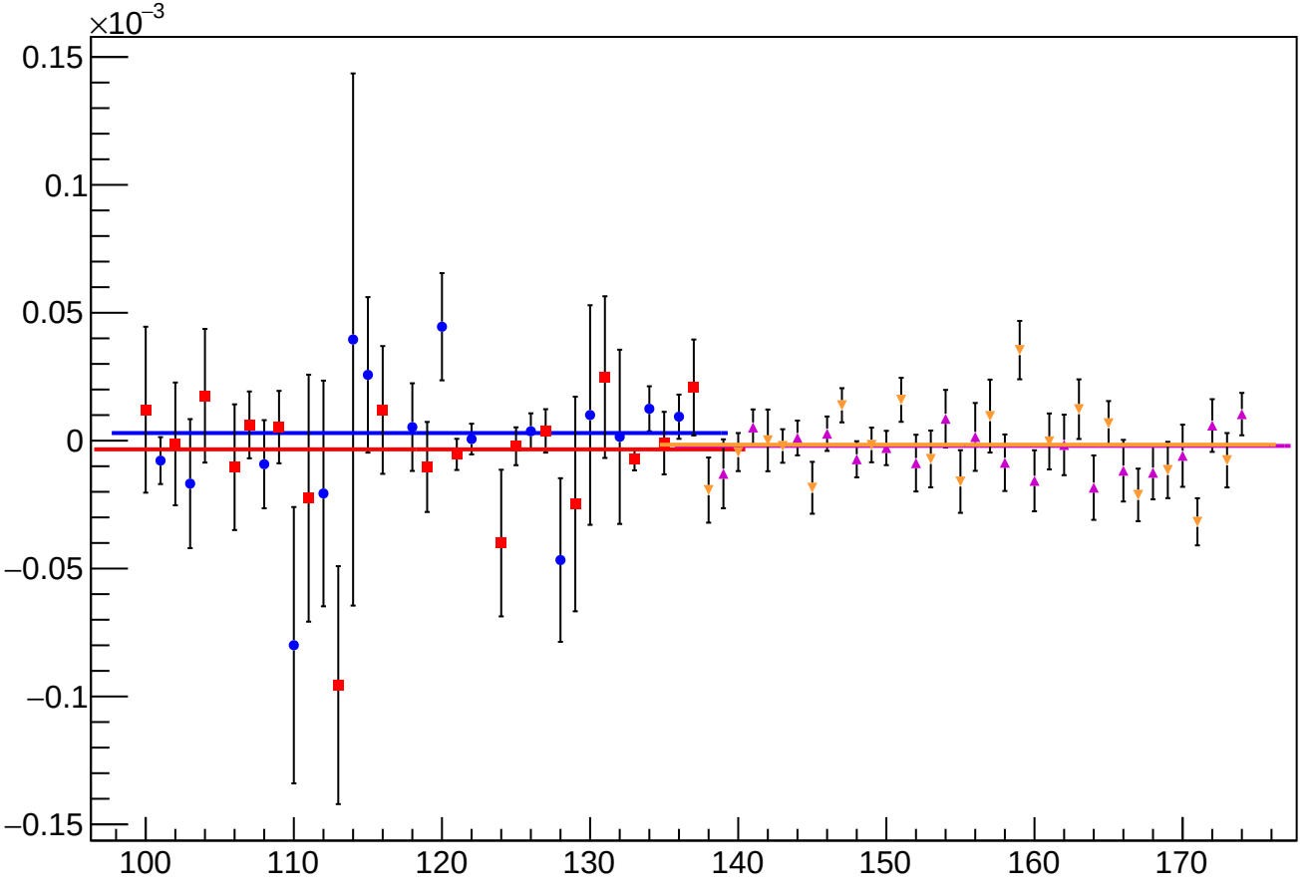
Left: 121.967+/-0.016 χ^2/NDF: 1455660.5/36

Right: 128.891+/-0.026 χ^2/NDF: 3693738.9/34

In: 123.592+/-0.019 χ^2/NDF:2508751.1/33

Out: 124.206+/-0.019 χ^2/NDF:2691864.0/37

All: 123.901+/-0.014 χ^2/NDF: 5201119.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.1/15

Left Out: -0.000+/-0.000 χ^2/NDF:44.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.6/18

Left In: -0.000+/-0.000 χ^2/NDF:12.2/17

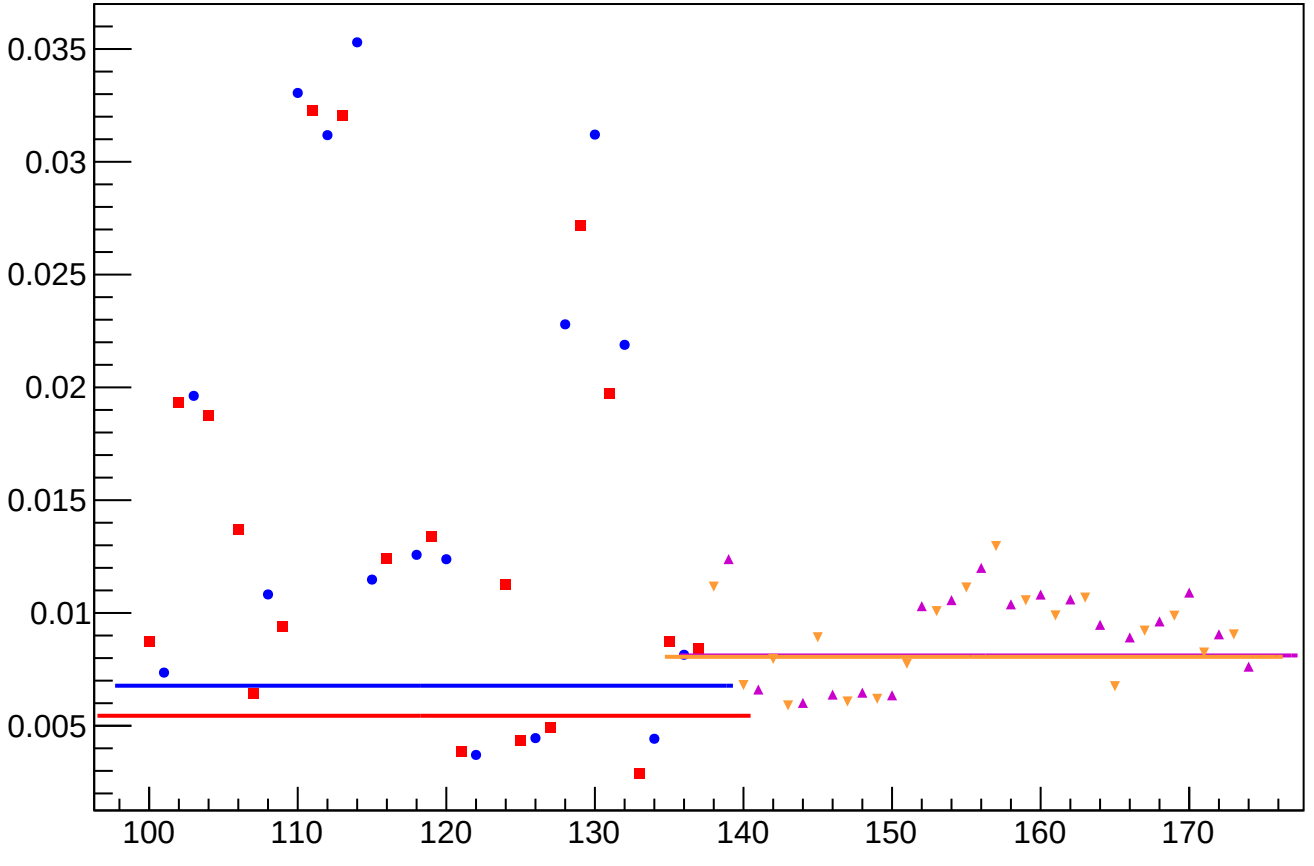
Left: -0.000+/-0.000 χ^2/NDF: 57.2/36

Right: -0.000+/-0.000 χ^2/NDF: 29.1/34

In: -0.000+/-0.000 χ^2/NDF:28.1/33

Out: -0.000+/-0.000 χ^2/NDF:57.8/37

All: -0.000+/-0.000 χ^2/NDF: 86.5/71



Right In: 0.007+/-0.000 χ^2/NDF: 4772275.3/15

Left Out: 0.008+/-0.000 χ^2/NDF:1563273.6/18

Right Out: 0.005+/-0.000 χ^2/NDF: 5572364.1/18

Left In: 0.008+/-0.000 χ^2/NDF:1686368.2/17

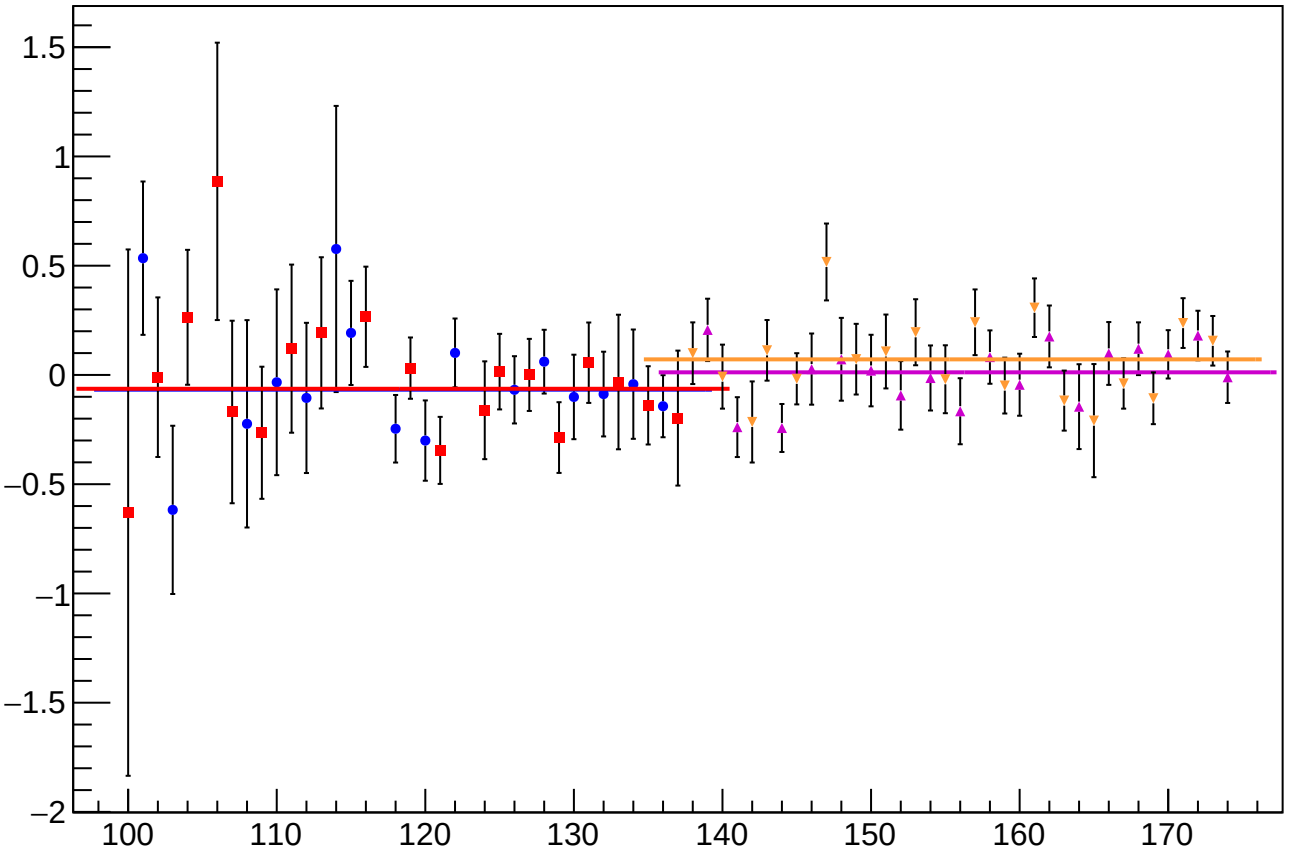
Left: 0.008+/-0.000 χ^2/NDF: 3250418.9/36

Right: 0.006+/-0.000 χ^2/NDF: 10558524.8/34

In: 0.008+/-0.000 χ^2/NDF:6704090.1/33

Out: 0.007+/-0.000 χ^2/NDF:8338626.1/37

All: 0.007+/-0.000 χ^2/NDF: 15200486.2/71



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

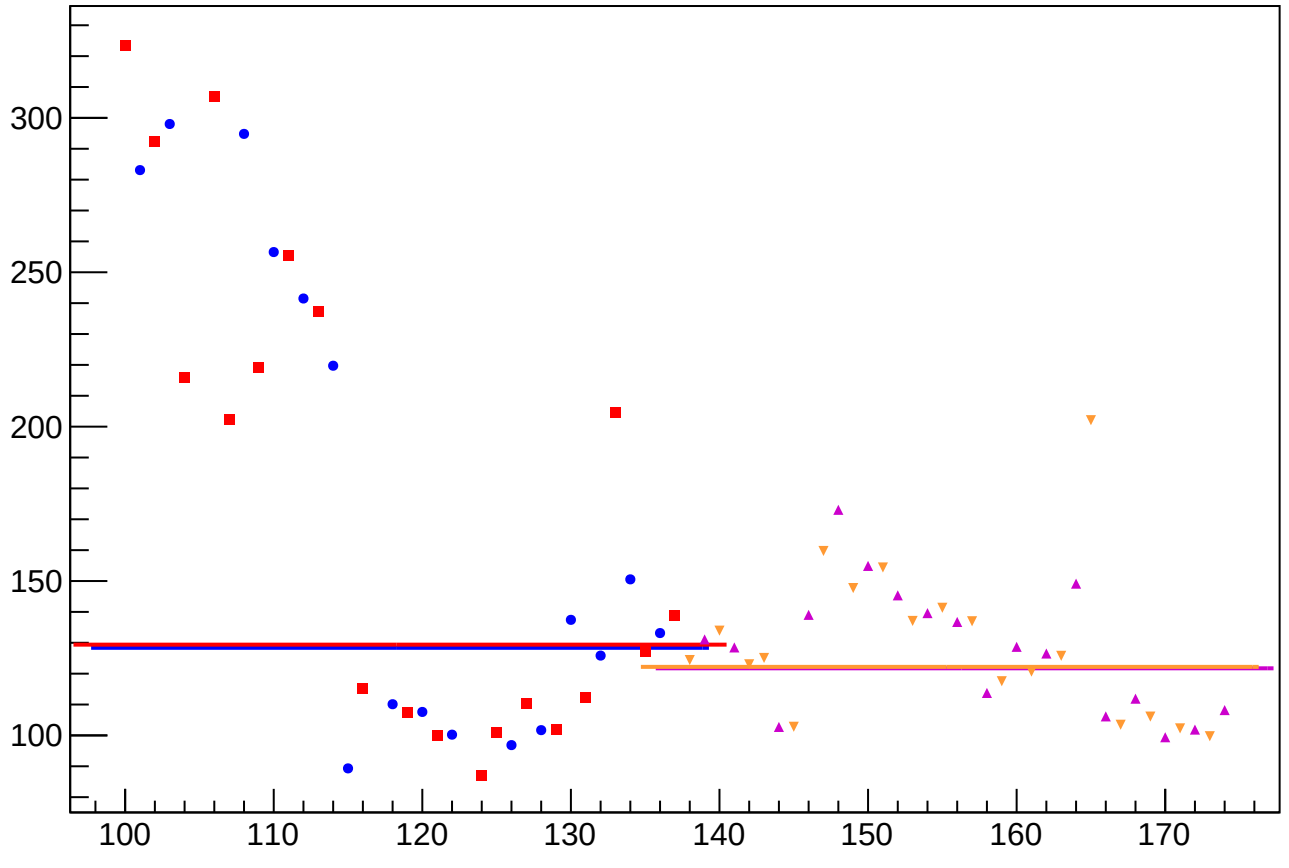
Left: 0.042+/-0.023 χ^2/NDF: 45.8/36

Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.012+/-0.019 χ^2/NDF: 78.4/71



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.200+/-0.023 χ^2/NDF:775576.8/18

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

Left: 121.966+/-0.016 χ^2/NDF: 1455732.2/36

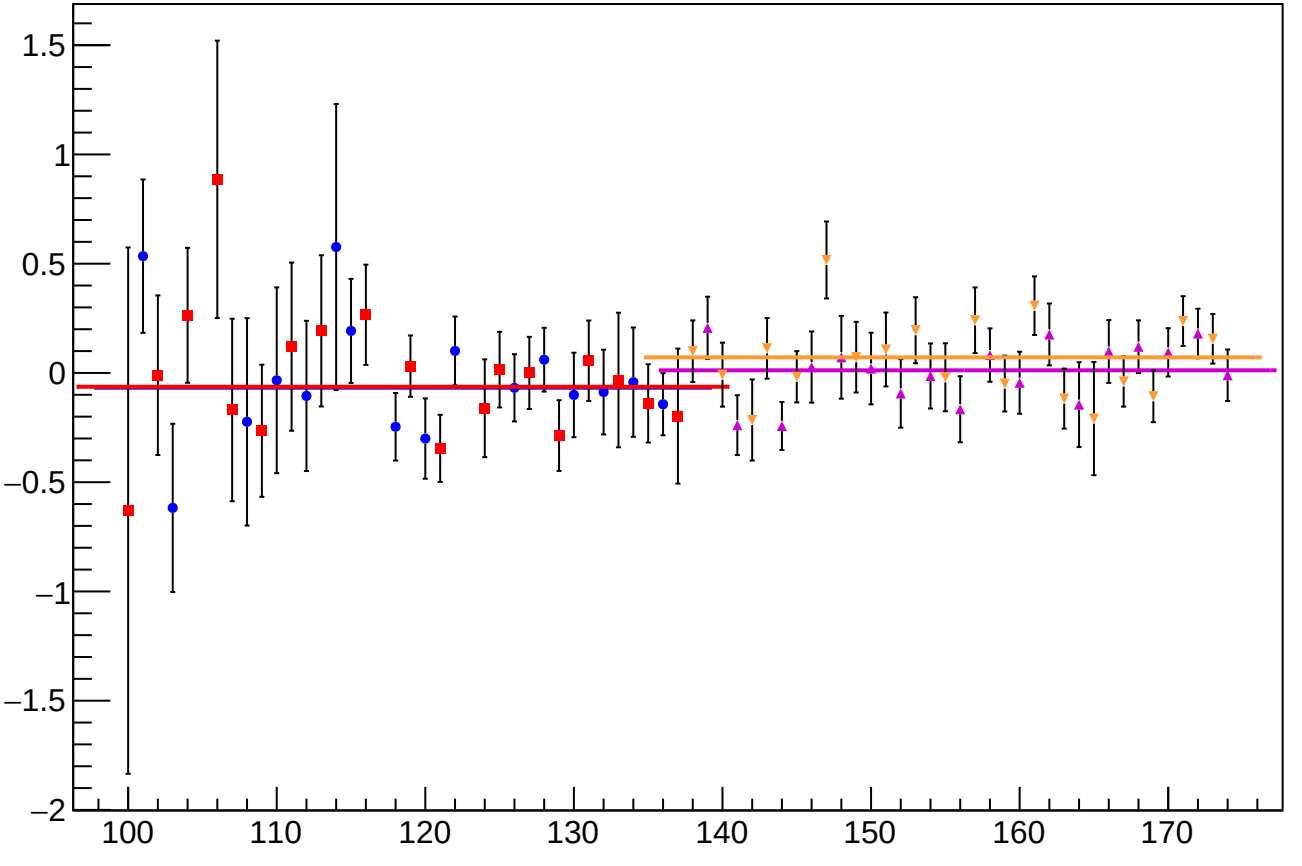
Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.591+/-0.019 χ^2/NDF:2508706.7/33

Out: 124.205+/-0.019 χ^2/NDF:2691889.5/37

All: 123.900+/-0.014 χ^2/NDF: 5201100.4/71

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.052 χ^2/NDF: 12.5/15

Left Out: 0.071+/-0.032 χ^2/NDF:25.1/18

Right Out: -0.063+/-0.052 χ^2/NDF: 14.0/18

Left In: 0.012+/-0.032 χ^2/NDF:19.0/17

Left: 0.042+/-0.023 χ^2/NDF: 45.8/36

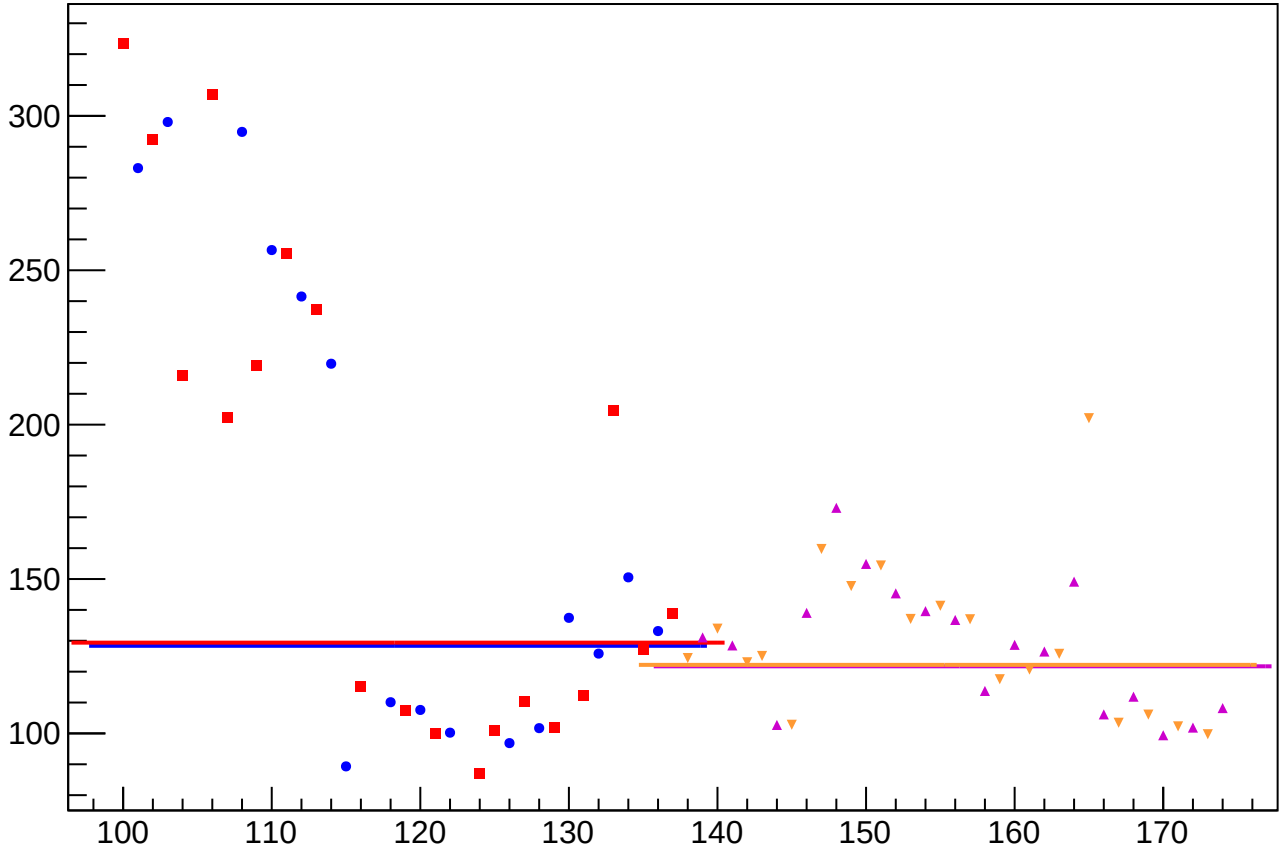
Right: -0.065+/-0.037 χ^2/NDF: 26.5/34

In: -0.010+/-0.027 χ^2/NDF:33.2/33

Out: 0.034+/-0.027 χ^2/NDF:44.0/37

All: 0.012+/-0.019 χ^2/NDF: 78.4/71

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.377+/-0.037 χ^2/NDF: 1805026.7/15

Left Out: 122.200+/-0.023 χ^2/NDF:775576.8/18

Right Out: 129.396+/-0.036 χ^2/NDF: 1888272.8/18

Left In: 121.730+/-0.023 χ^2/NDF:679942.7/17

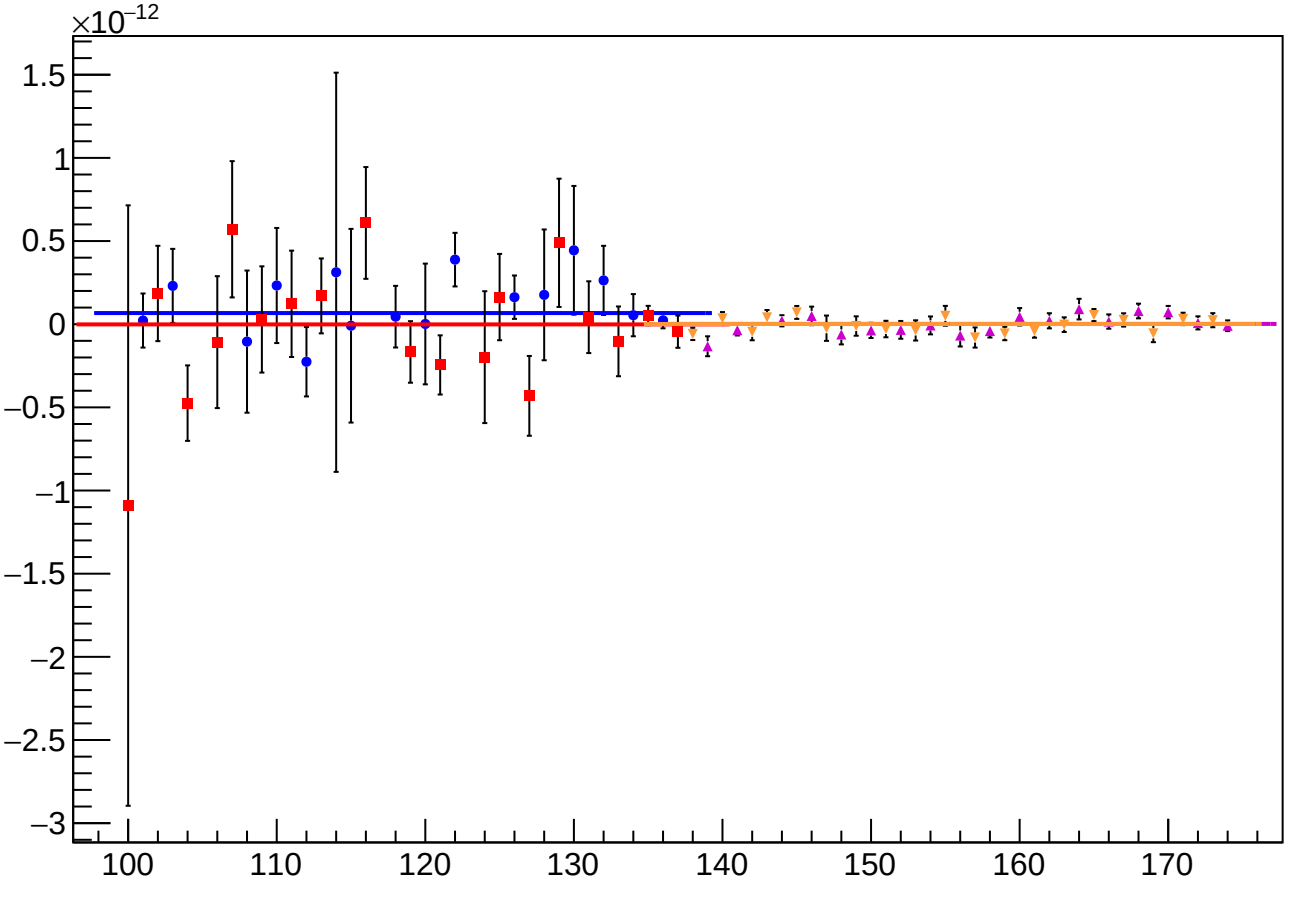
Left: 121.966+/-0.016 χ^2/NDF: 1455732.2/36

Right: 128.888+/-0.026 χ^2/NDF: 3693688.1/34

In: 123.591+/-0.019 χ^2/NDF:2508706.7/33

Out: 124.205+/-0.019 χ^2/NDF:2691889.5/37

All: 123.900+/-0.014 χ^2/NDF: 5201100.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.9/17

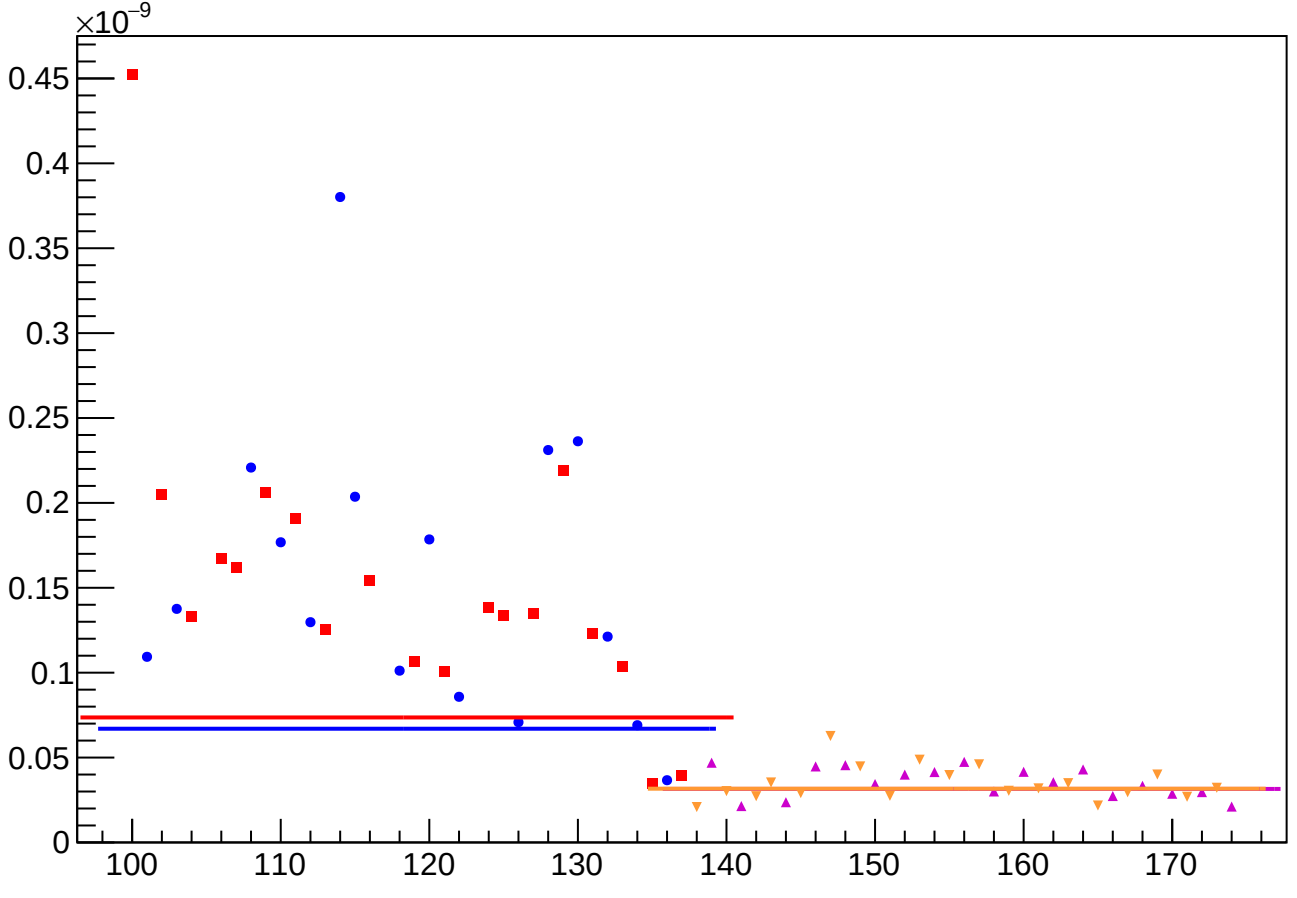
Left: 0.000+/-0.000 χ^2/NDF: 41.1/36

Right: 0.000+/-0.000 χ^2/NDF: 32.7/34

In: 0.000+/-0.000 χ^2/NDF:35.3/33

Out: 0.000+/-0.000 χ^2/NDF:39.9/37

All: 0.000+/-0.000 χ^2/NDF: 75.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 3180725.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1214360.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3653663.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1316976.2/17

Left: 0.000+/-0.000 χ^2/NDF: 2531514.7/36

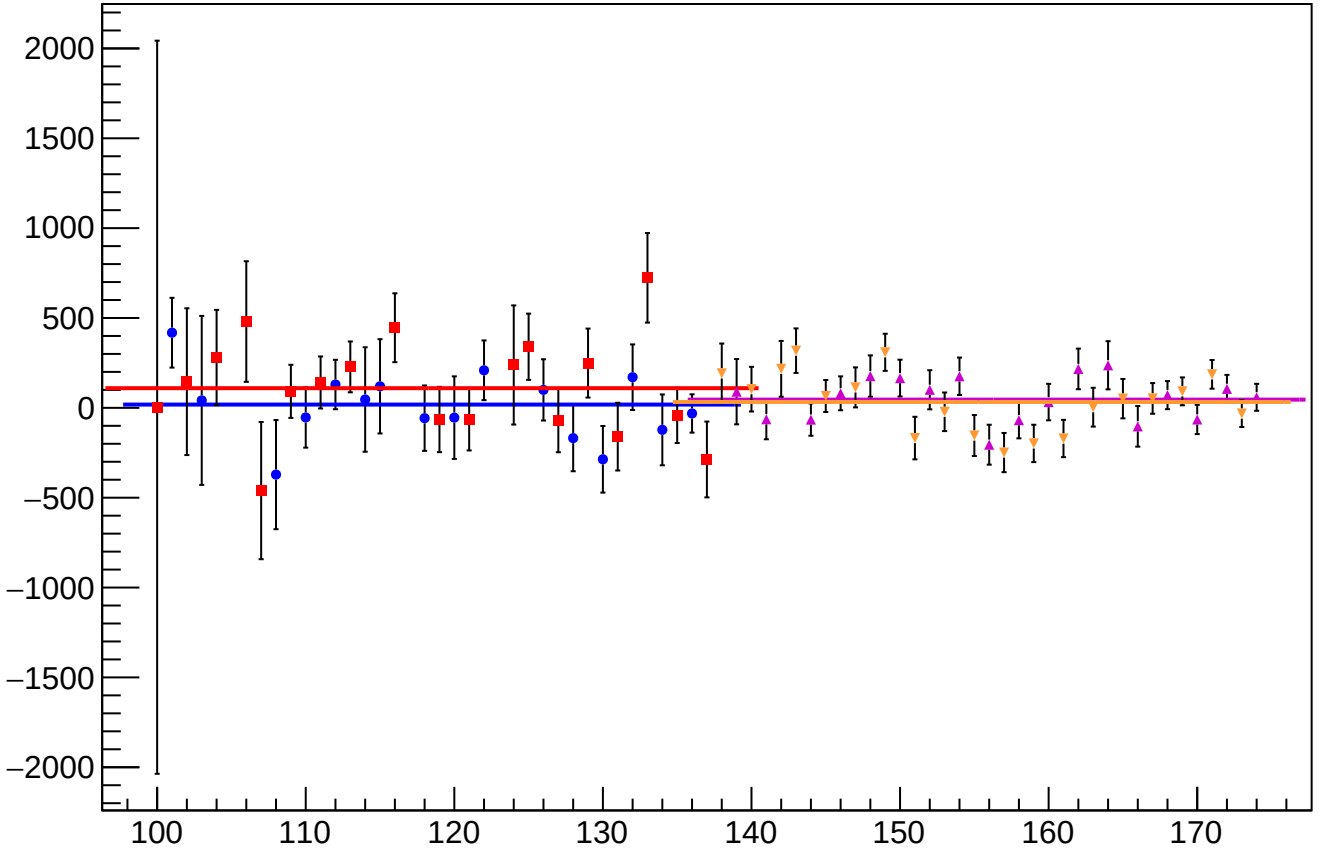
Right: 0.000+/-0.000 χ^2/NDF: 6865290.4/34

In: 0.000+/-0.000 χ^2/NDF:6279223.3/33

Out: 0.000+/-0.000 χ^2/NDF:6992482.8/37

All: 0.000+/-0.000 χ^2/NDF: 13271890.2/71

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.204+/-45.704 χ^2/NDF: 13.9/15

Left Out: 32.828+/-23.429 χ^2/NDF:42.3/18

Right Out: 109.432+/-45.825 χ^2/NDF: 25.5/18

Left In: 45.733+/-23.313 χ^2/NDF:22.2/17

Left: 39.313+/-16.526 χ^2/NDF: 64.6/36

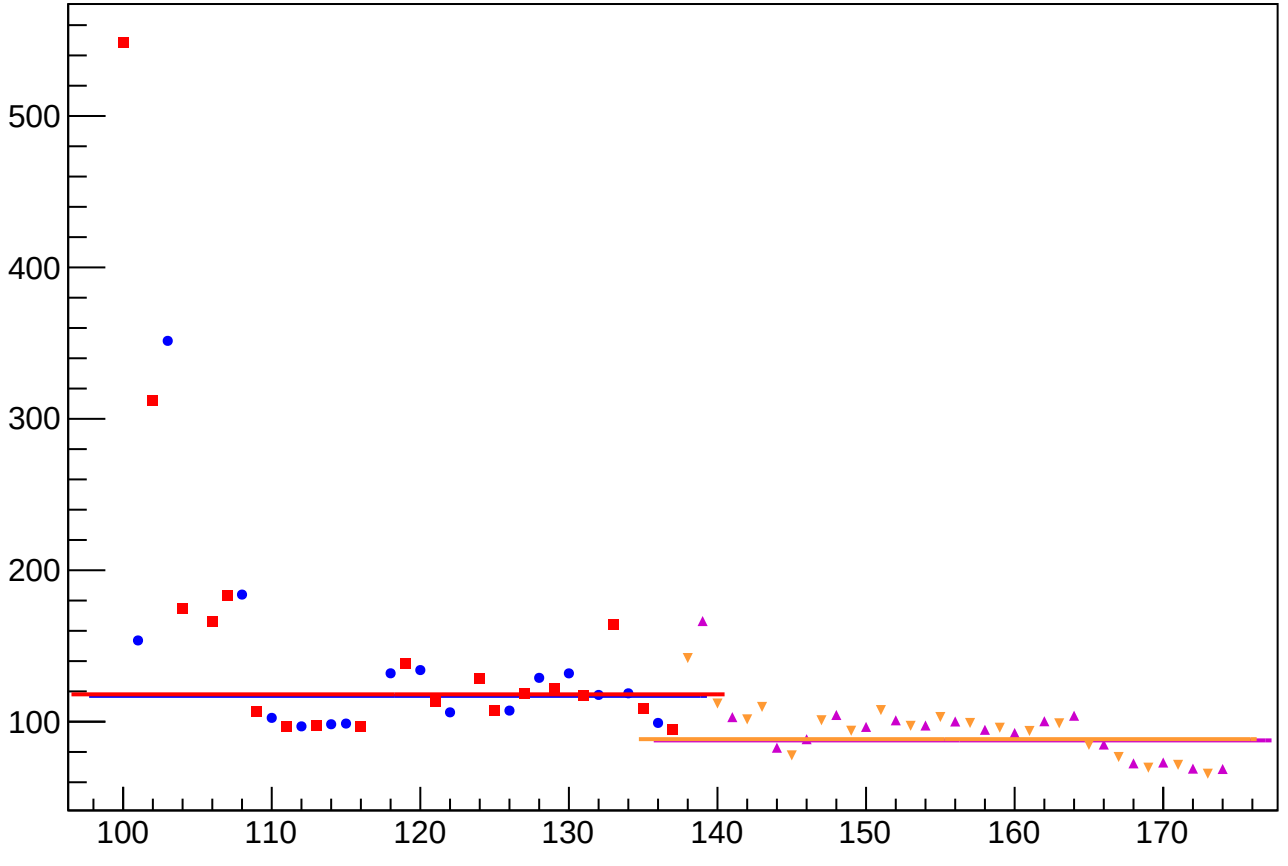
Right: 63.698+/-32.360 χ^2/NDF: 41.3/34

In: 40.049+/-20.767 χ^2/NDF:36.3/33

Out: 48.703+/-20.861 χ^2/NDF:70.0/37

All: 44.357+/-14.718 χ^2/NDF: 106.3/71

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858400.8/15

Left Out: 88.461+/-0.017 χ^2/NDF:1001237.1/18

Right Out: 118.057+/-0.032 χ^2/NDF: 990748.0/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

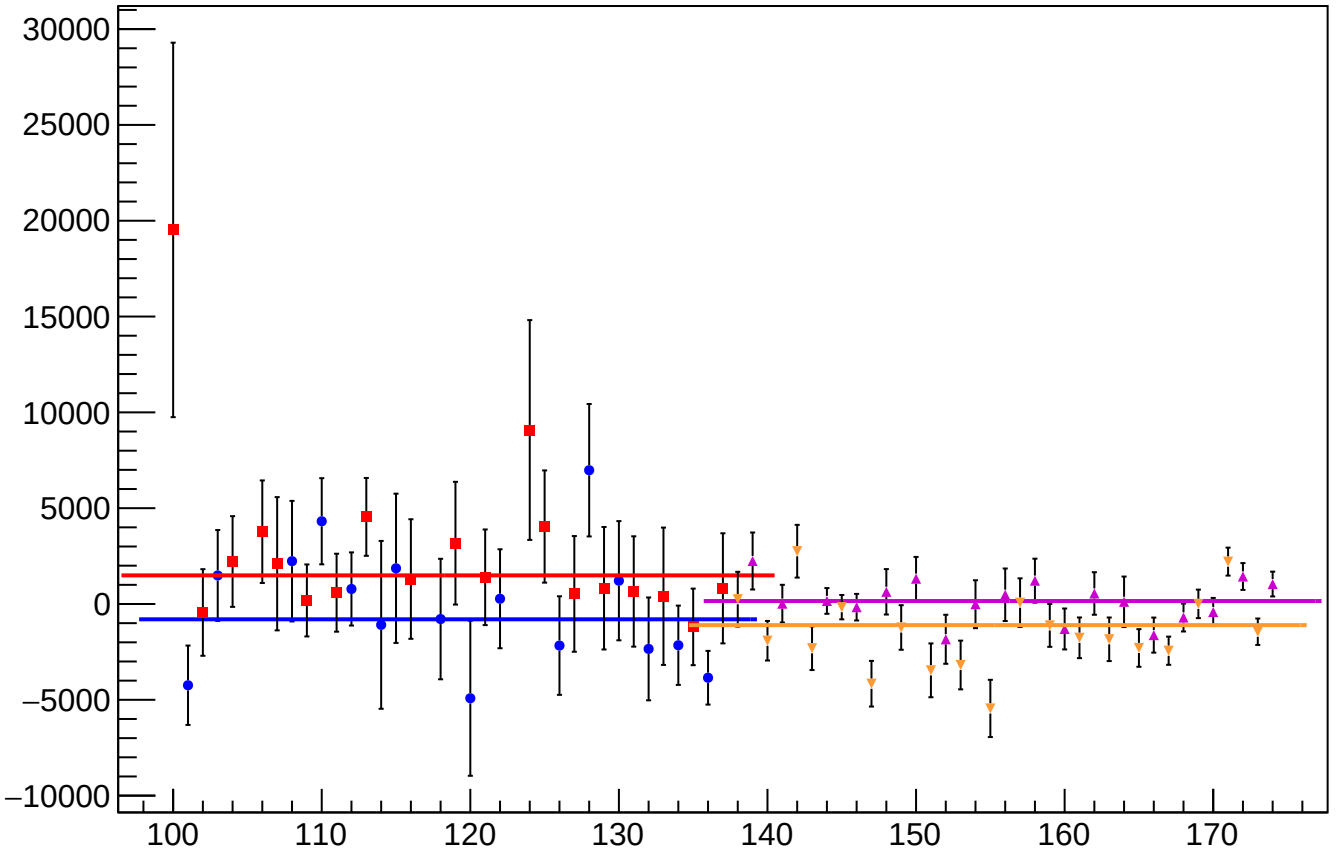
Left: 88.050+/-0.012 χ^2/NDF: 2004436.6/36

Right: 117.559+/-0.023 χ^2/NDF: 1849621.4/34

In: 93.716+/-0.015 χ^2/NDF:2518012.3/33

Out: 94.595+/-0.015 χ^2/NDF:2653354.4/37

All: 94.154+/-0.010 χ^2/NDF: 5173148.4/71



Right In: -799.133+/-616.009 χ^2/NDF: 23.4/15

Left Out: -1101.882+/-223.703 χ^2/NDF:62.8/18

Right Out: 1493.897+/-613.097 χ^2/NDF: 12.9/18

Left In: 154.869+/-215.937 χ^2/NDF:19.8/17

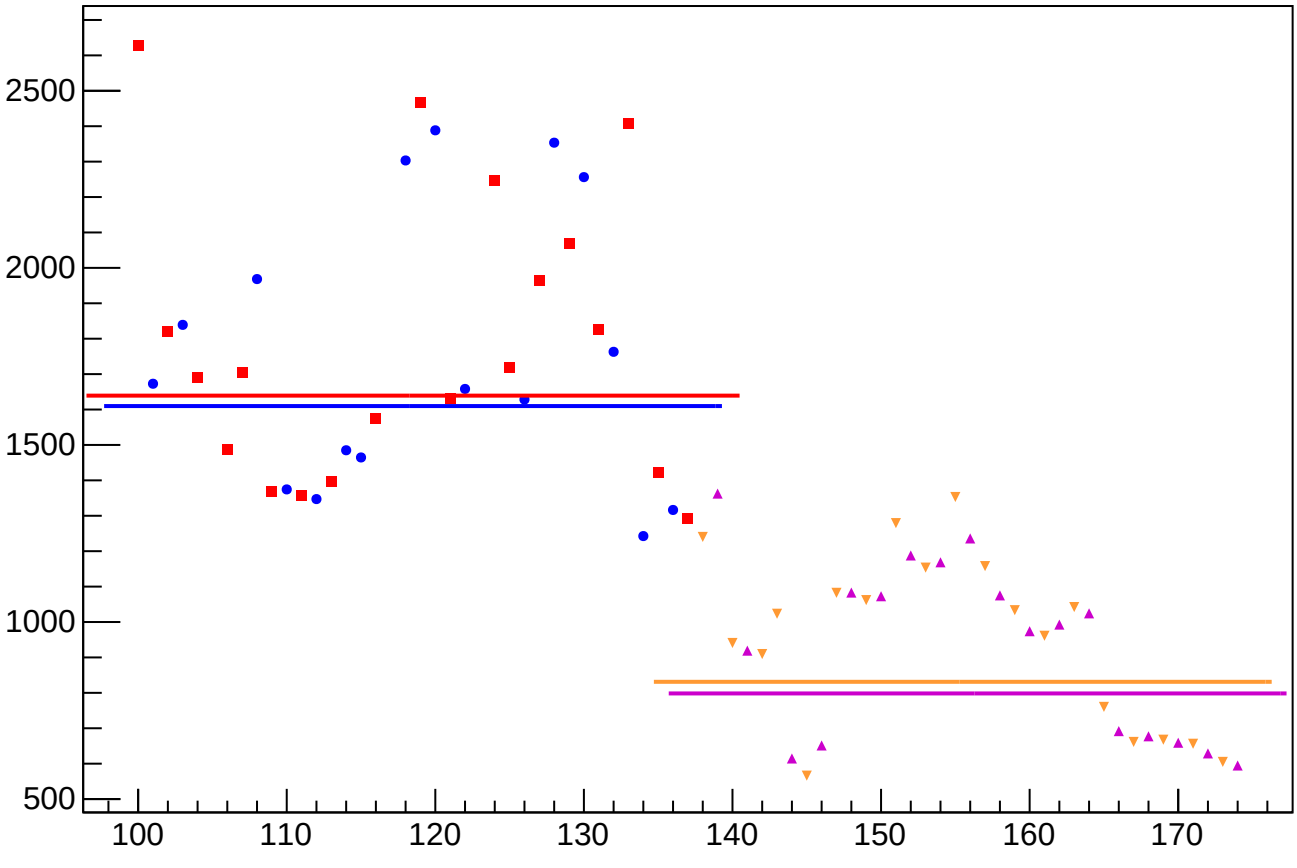
Left: -451.314+/-155.363 χ^2/NDF: 98.9/36

Right: 352.815+/-434.551 χ^2/NDF: 43.3/34

In: 50.470+/-203.779 χ^2/NDF:45.4/33

Out: -796.902+/-210.151 χ^2/NDF:91.5/37

All: -360.176+/-146.294 χ^2/NDF: 145.3/71



Right In: 1609.782+/-0.436 χ^2/NDF: 619129.2/15

Left Out: 831.160+/-0.158 χ^2/NDF:2182711.9/18

Right Out: 1639.241+/-0.434 χ^2/NDF: 520182.2/18

Left In: 798.322+/-0.153 χ^2/NDF:2115625.5/17

Left: 814.161+/-0.110 χ^2/NDF: 4320647.0/36

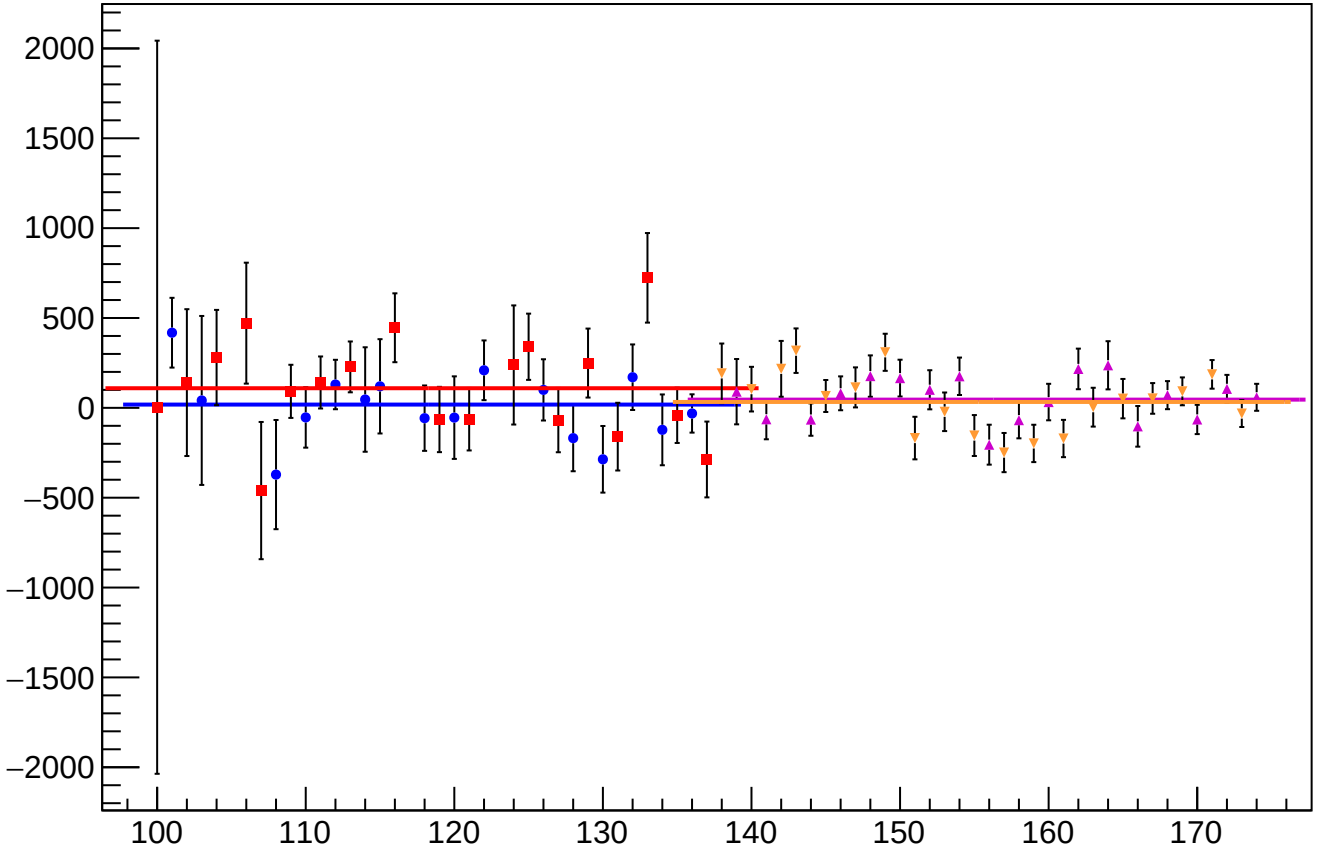
Right: 1624.581+/-0.307 χ^2/NDF: 1141609.2/34

In: 887.122+/-0.144 χ^2/NDF:5825451.5/33

Out: 926.102+/-0.149 χ^2/NDF:5769094.5/37

All: 906.012+/-0.103 χ^2/NDF: 11630010.4/71

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 32.832+/-23.429 χ^2/NDF:42.3/18

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 45.734+/-23.313 χ^2/NDF:22.1/17

Left: 39.315+/-16.526 χ^2/NDF: 64.6/36

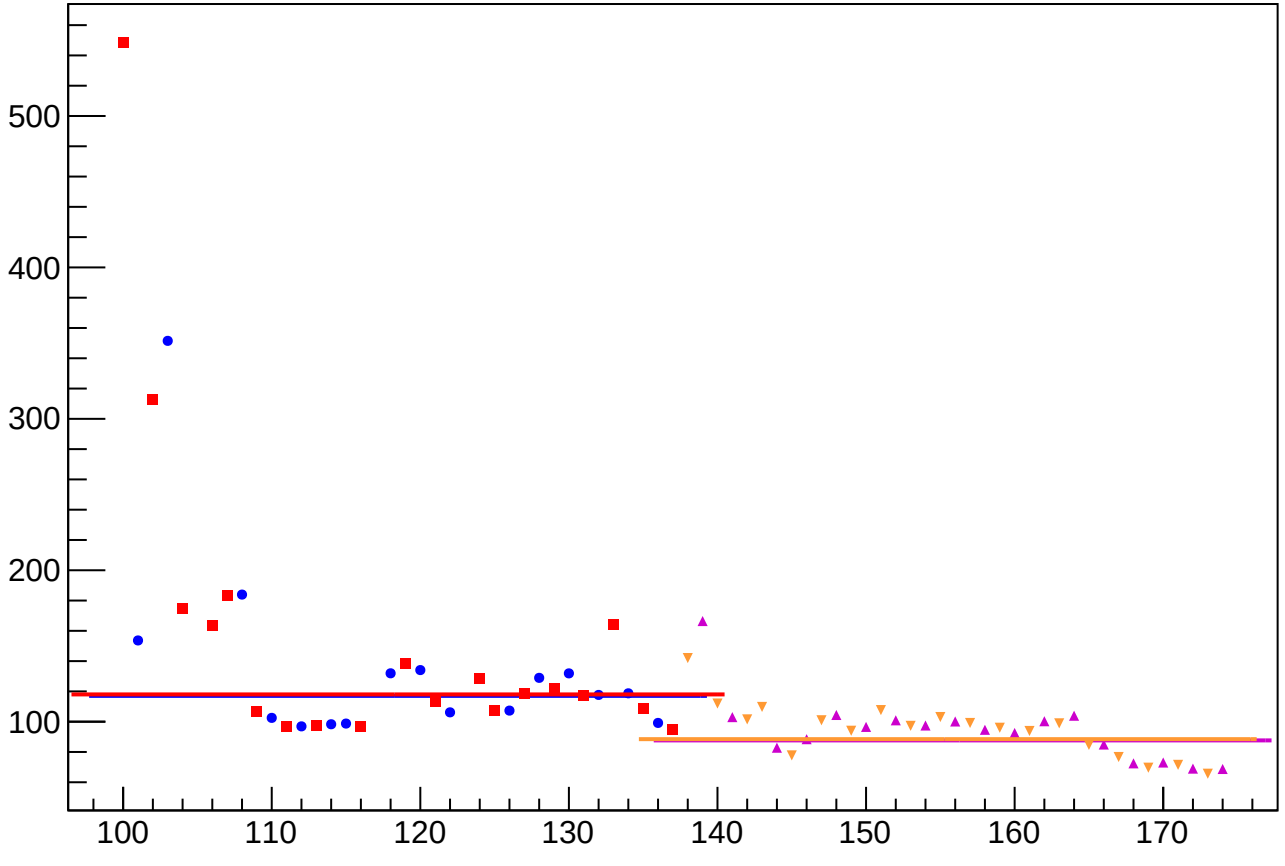
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 40.047+/-20.767 χ^2/NDF:36.3/33

Out: 48.646+/-20.861 χ^2/NDF:69.9/37

All: 44.327+/-14.718 χ^2/NDF: 106.3/71

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.461+/-0.017 χ^2/NDF:1001237.0/18

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

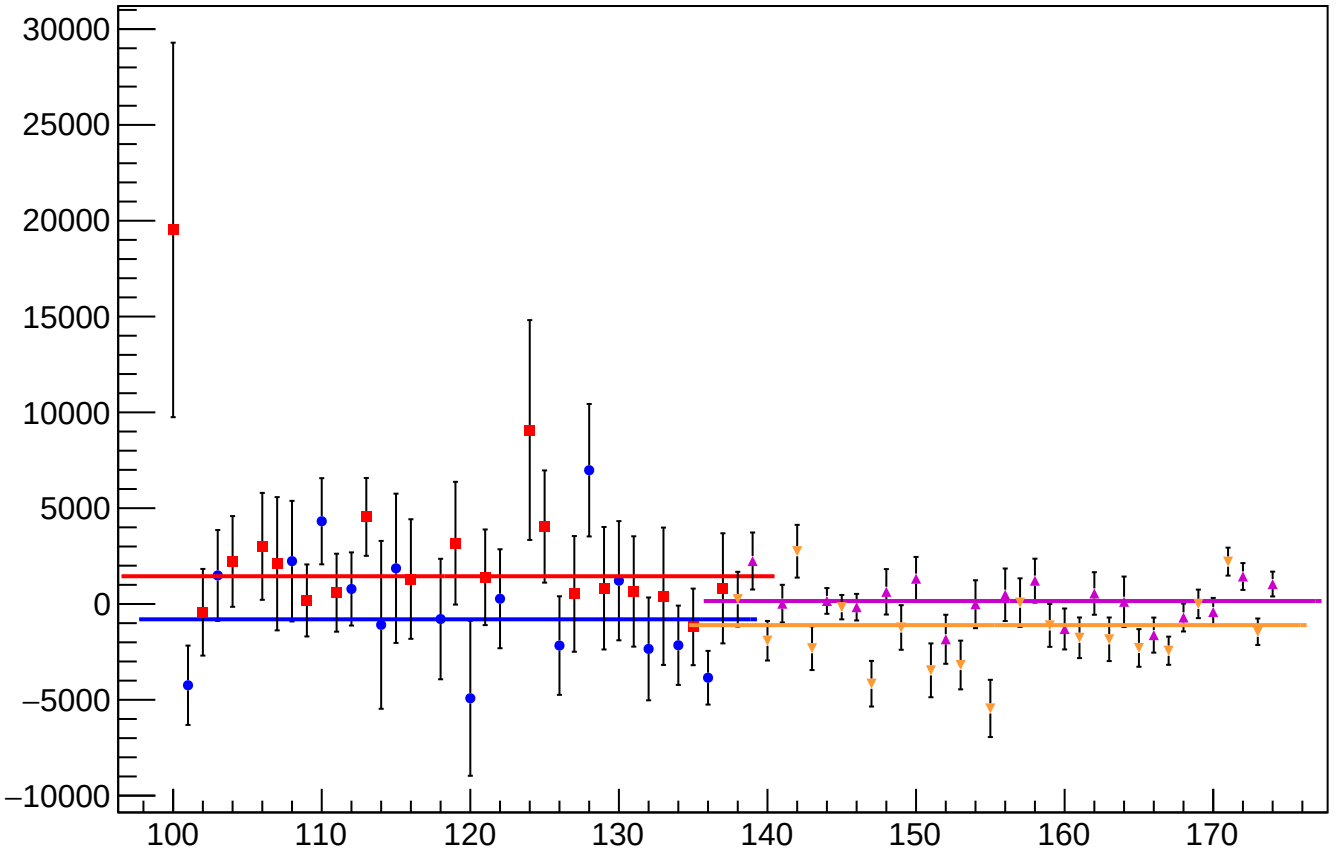
Left: 88.050+/-0.012 χ^2/NDF: 2004436.5/36

Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.716+/-0.015 χ^2/NDF:2518014.0/33

Out: 94.583+/-0.015 χ^2/NDF:2646779.1/37

All: 94.148+/-0.010 χ^2/NDF: 5166528.9/71



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1101.873+/-223.703 χ^2/NDF:62.8/18

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 154.872+/-215.937 χ^2/NDF:19.8/17

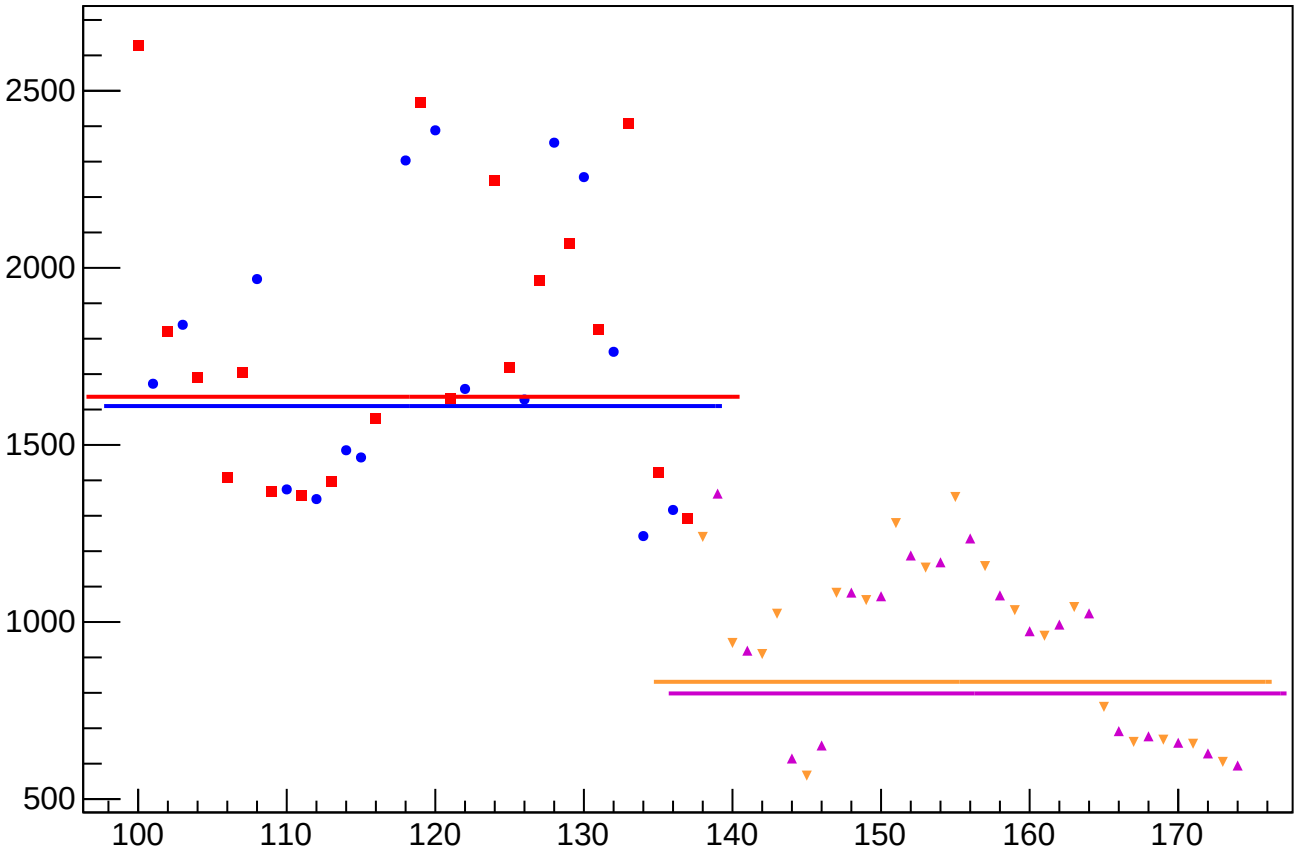
Left: -451.308+/-155.363 χ^2/NDF: 98.9/36

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 50.476+/-203.779 χ^2/NDF:45.4/33

Out: -803.394+/-210.205 χ^2/NDF:90.5/37

All: -363.210+/-146.313 χ^2/NDF: 144.3/71



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 831.160+/-0.158 χ^2/NDF:2182714.3/18

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

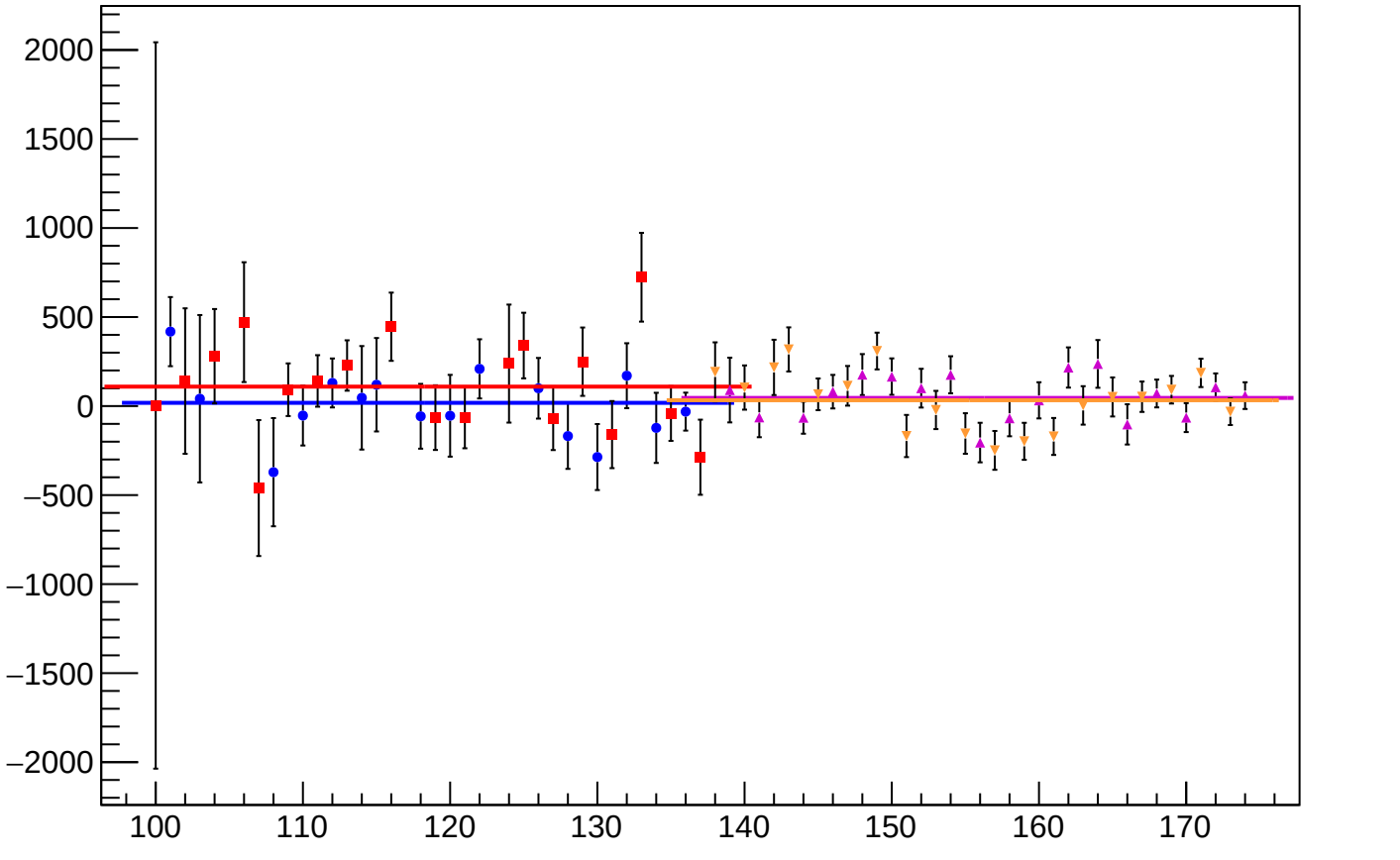
Left: 814.161+/-0.110 χ^2/NDF: 4320647.9/36

Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 887.122+/-0.144 χ^2/NDF:5825510.4/33

Out: 925.361+/-0.149 χ^2/NDF:5740774.0/37

All: 905.648+/-0.103 χ^2/NDF: 11600404.0/71



Right In: 18.191+/-45.704 χ^2/NDF: 13.9/15

Left Out: 32.832+/-23.429 χ^2/NDF:42.3/18

Right Out: 109.151+/-45.828 χ^2/NDF: 25.4/18

Left In: 45.734+/-23.313 χ^2/NDF:22.1/17

Left: 39.315+/-16.526 χ^2/NDF: 64.6/36

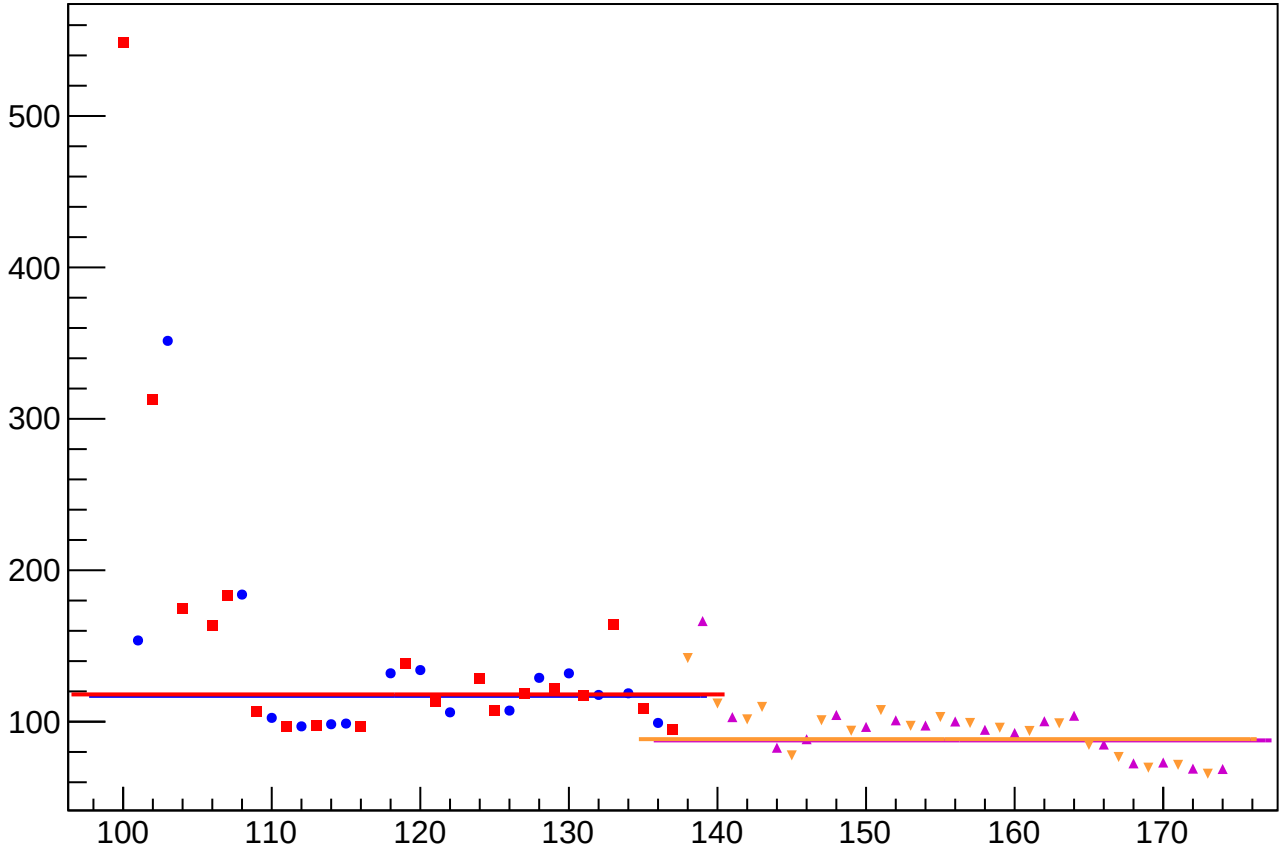
Right: 63.548+/-32.361 χ^2/NDF: 41.2/34

In: 40.047+/-20.767 χ^2/NDF:36.3/33

Out: 48.646+/-20.861 χ^2/NDF:69.9/37

All: 44.327+/-14.718 χ^2/NDF: 106.3/71

eigen_cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 117.063+/-0.032 χ^2/NDF: 858402.8/15

Left Out: 88.461+/-0.017 χ^2/NDF:1001237.0/18

Right Out: 118.006+/-0.032 χ^2/NDF: 986553.8/18

Left In: 87.642+/-0.016 χ^2/NDF:1001970.3/17

Left: 88.050+/-0.012 χ^2/NDF: 2004436.5/36

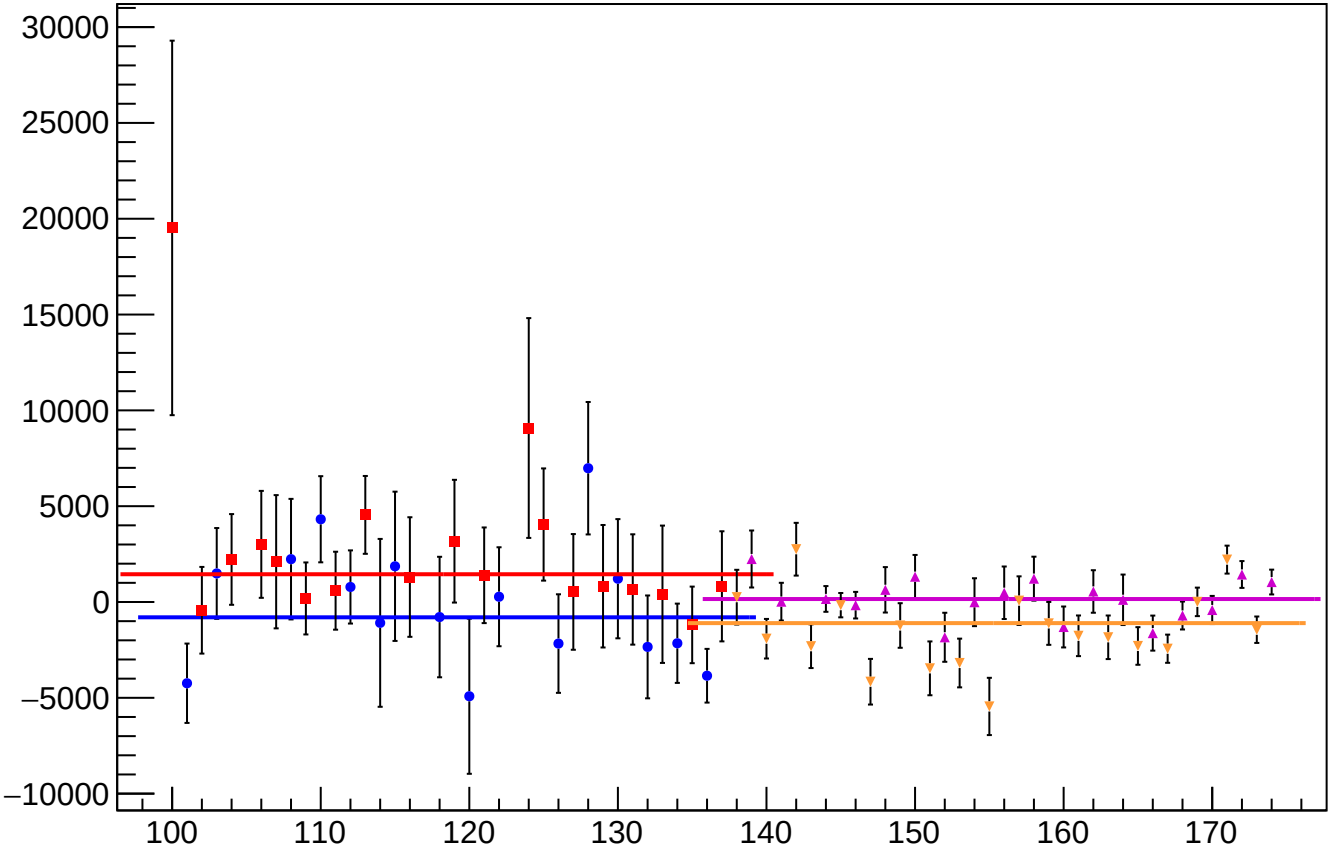
Right: 117.533+/-0.023 χ^2/NDF: 1845381.4/34

In: 93.716+/-0.015 χ^2/NDF:2518014.0/33

Out: 94.583+/-0.015 χ^2/NDF:2646779.1/37

All: 94.148+/-0.010 χ^2/NDF: 5166528.9/71

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -799.116+/-616.014 χ^2/NDF: 23.4/15

Left Out: -1101.873+/-223.703 χ^2/NDF:62.8/18

Right Out: 1448.433+/-614.443 χ^2/NDF: 12.5/18

Left In: 154.872+/-215.937 χ^2/NDF:19.8/17

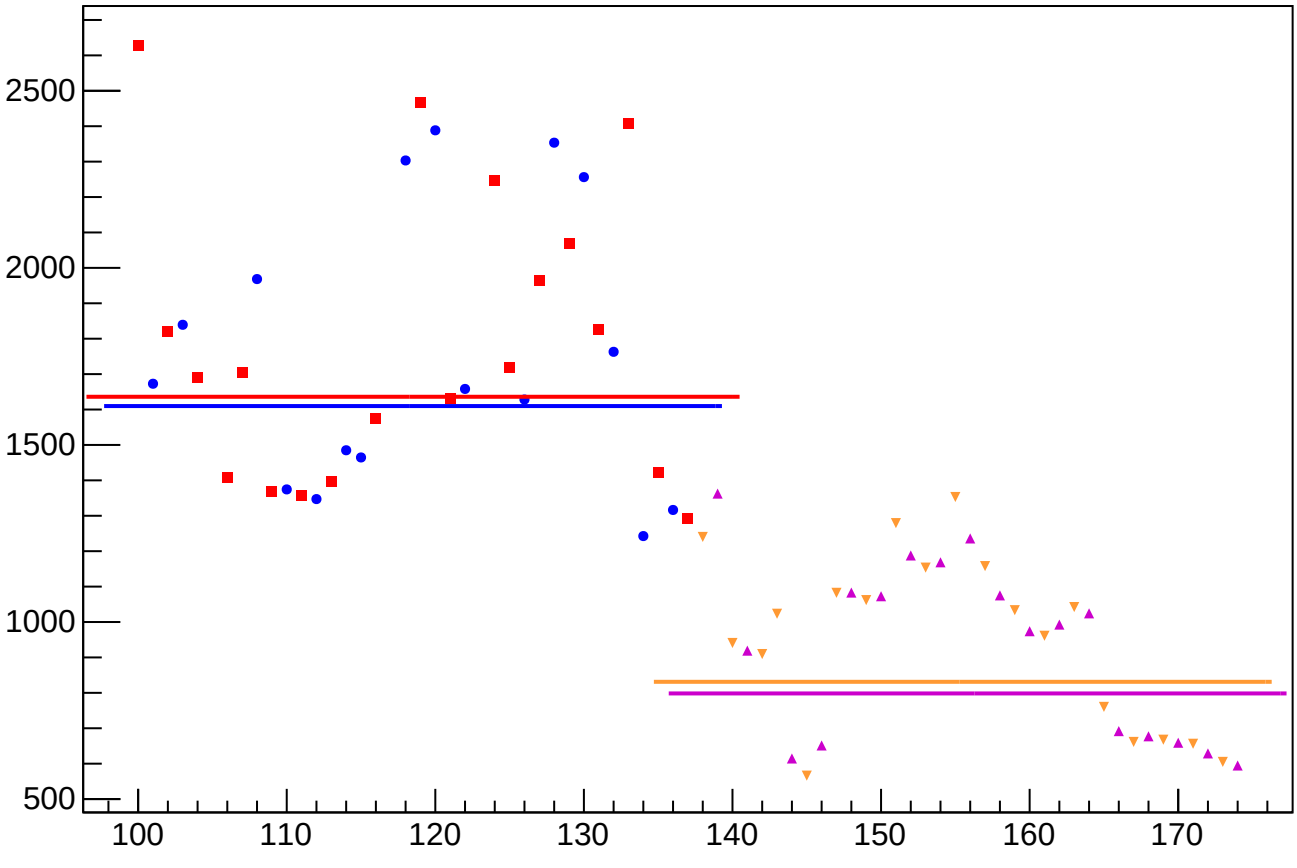
Left: -451.308+/-155.363 χ^2/NDF: 98.9/36

Right: 327.528+/-435.031 χ^2/NDF: 42.6/34

In: 50.476+/-203.779 χ^2/NDF:45.4/33

Out: -803.394+/-210.205 χ^2/NDF:90.5/37

All: -363.210+/-146.313 χ^2/NDF: 144.3/71



Right In: 1609.791+/-0.436 χ^2/NDF: 619158.3/15

Left Out: 831.160+/-0.158 χ^2/NDF:2182714.3/18

Right Out: 1636.046+/-0.434 χ^2/NDF: 527809.9/18

Left In: 798.322+/-0.153 χ^2/NDF:2115624.6/17

Left: 814.161+/-0.110 χ^2/NDF: 4320647.9/36

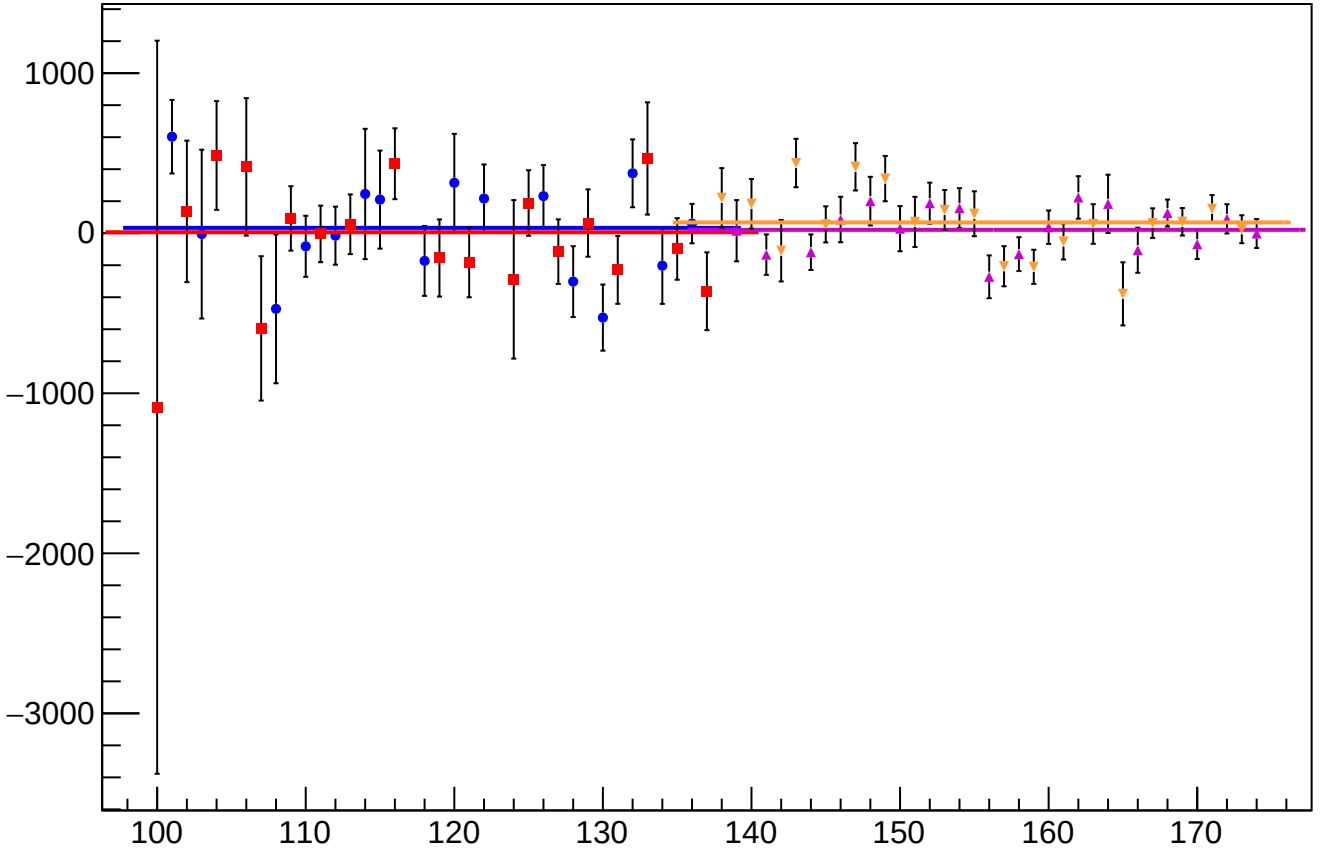
Right: 1622.952+/-0.308 χ^2/NDF: 1148789.4/34

In: 887.122+/-0.144 χ^2/NDF:5825510.4/33

Out: 925.361+/-0.149 χ^2/NDF:5740774.0/37

All: 905.648+/-0.103 χ^2/NDF: 11600404.0/71

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 33.471+/-54.908 χ^2/NDF: 25.2/15

Left Out: 67.349+/-27.588 χ^2/NDF:36.9/18

Right Out: 6.107+/-56.090 χ^2/NDF: 17.3/18

Left In: 21.168+/-27.589 χ^2/NDF:21.5/17

Left: 44.259+/-19.508 χ^2/NDF: 59.8/36

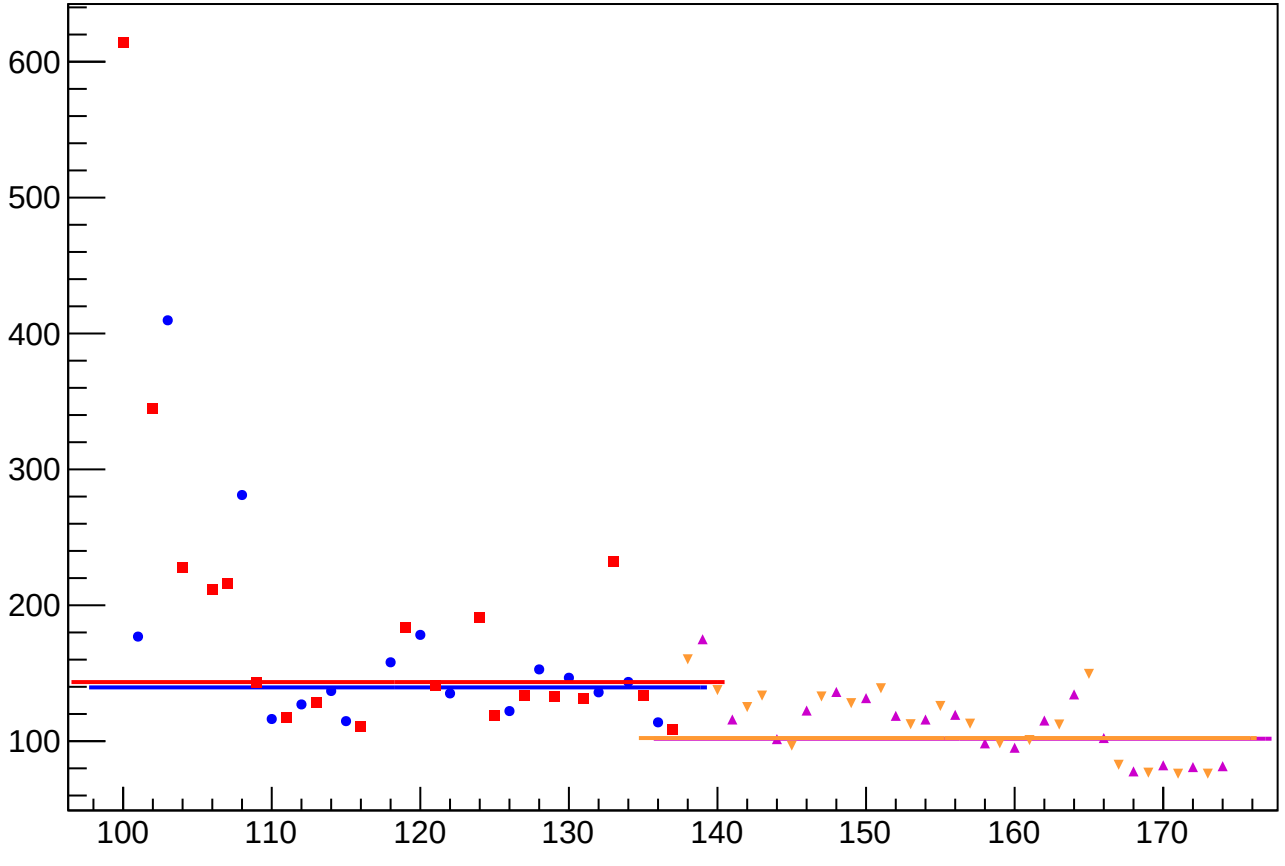
Right: 20.080+/-39.237 χ^2/NDF: 42.6/34

In: 23.648+/-24.652 χ^2/NDF:46.7/33

Out: 55.419+/-24.756 χ^2/NDF:55.2/37

All: 39.467+/-17.468 χ^2/NDF: 102.8/71

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.566+/-0.039 χ^2/NDF: 976734.6/15

Left Out: 102.291+/-0.020 χ^2/NDF:1526785.9/18

Right Out: 143.479+/-0.040 χ^2/NDF: 1116671.9/18

Left In: 101.798+/-0.020 χ^2/NDF:1199683.2/17

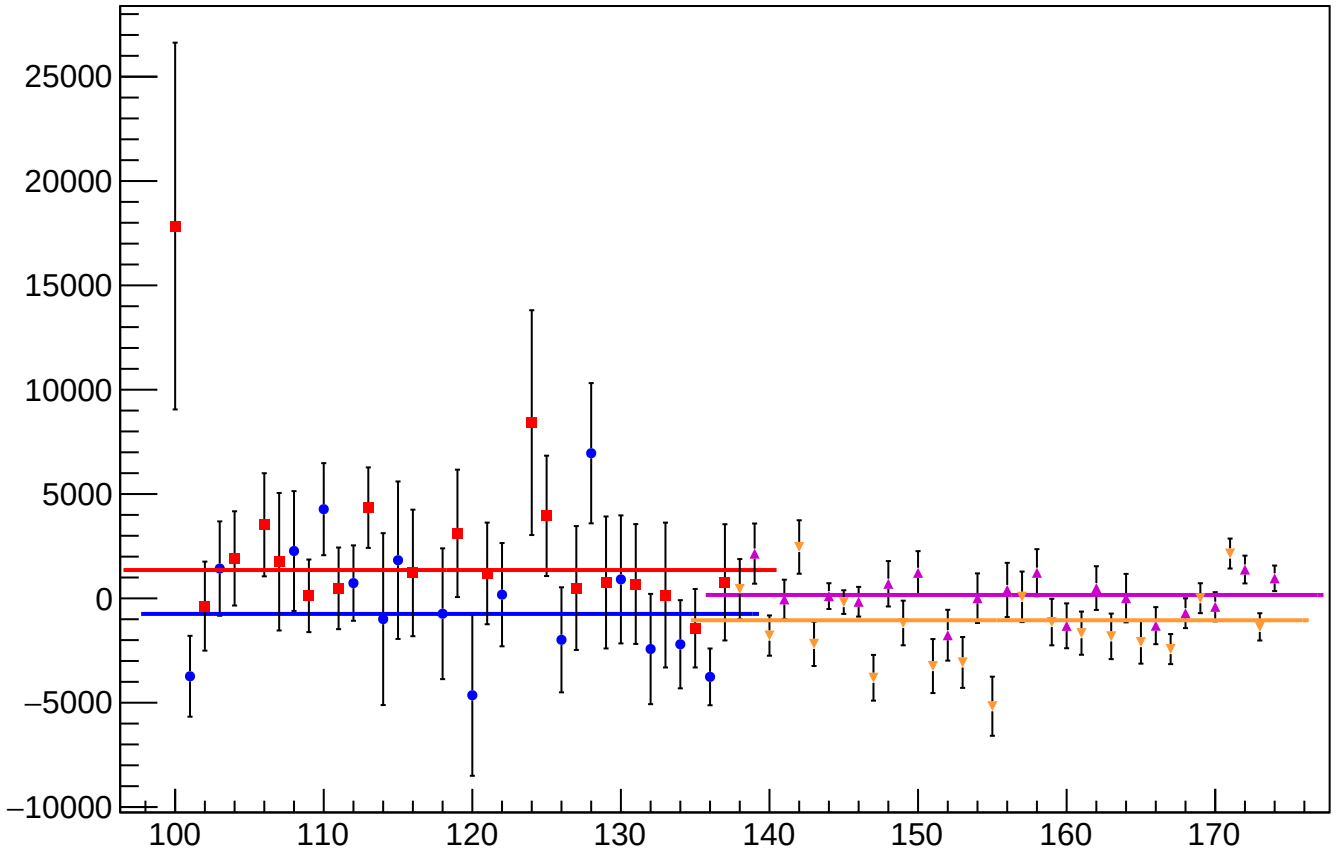
Left: 102.044+/-0.014 χ^2/NDF: 2726788.9/36

Right: 141.481+/-0.028 χ^2/NDF: 2098376.6/34

In: 109.411+/-0.017 χ^2/NDF:2931965.7/33

Out: 110.314+/-0.018 χ^2/NDF:3511834.8/37

All: 109.861+/-0.012 χ^2/NDF: 6445137.9/71



Right In: -744.681+/-595.810 χ^2/NDF: 23.5/15

Left Out: -1049.323+/-213.138 χ^2/NDF:61.8/18

Right Out: 1357.874+/-585.808 χ^2/NDF: 13.5/18

Left In: 163.265+/-206.534 χ^2/NDF:18.9/17

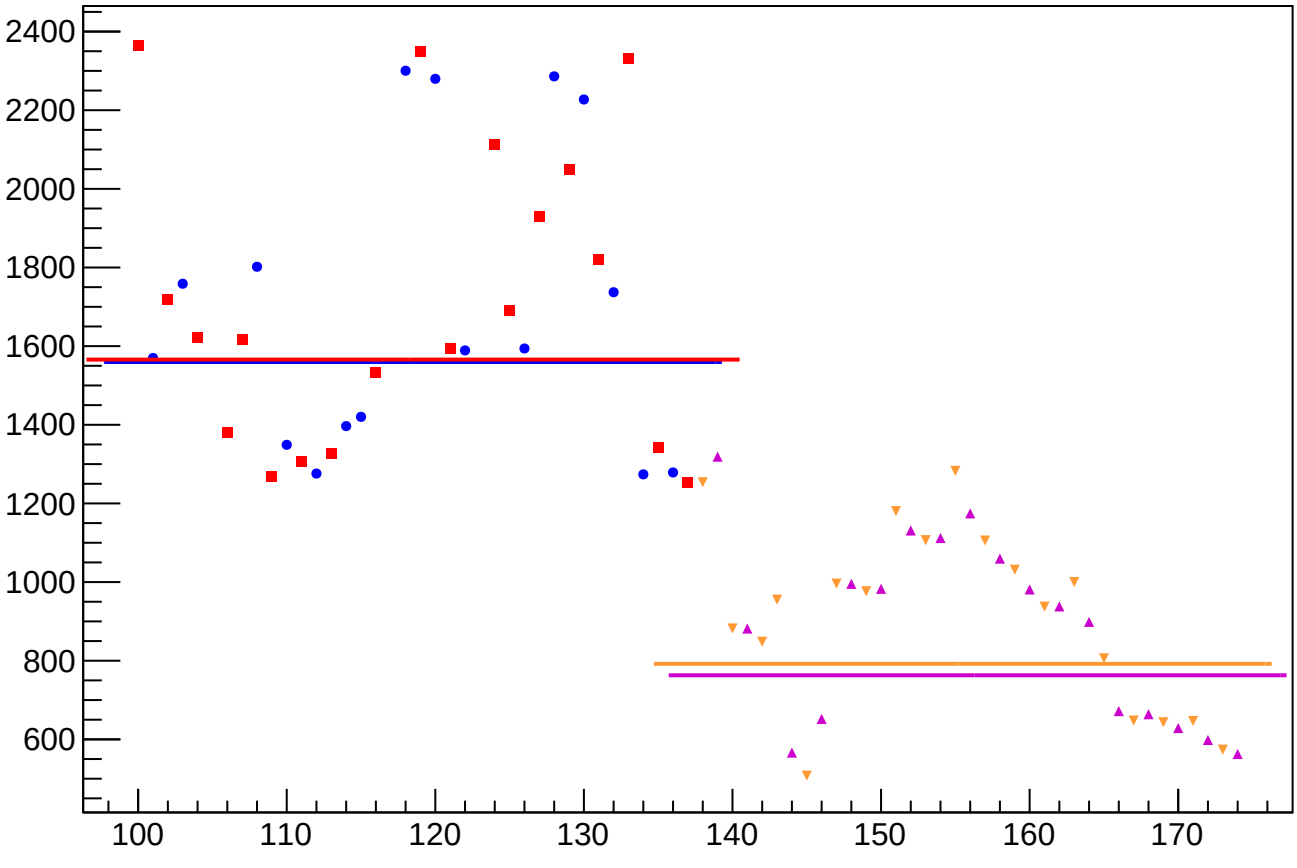
Left: -423.951+/-148.321 χ^2/NDF: 97.3/36

Right: 324.392+/-417.720 χ^2/NDF: 43.3/34

In: 65.868+/-195.142 χ^2/NDF:44.4/33

Out: -767.918+/-200.293 χ^2/NDF:90.2/37

All: -340.166+/-139.772 χ^2/NDF: 143.5/71



Right In: 1559.735+/-0.421 χ^2/NDF: 604209.5/15

Left Out: 792.112+/-0.151 χ^2/NDF:2272900.4/18

Right Out: 1565.808+/-0.414 χ^2/NDF: 563847.8/18

Left In: 762.991+/-0.146 χ^2/NDF:2089919.6/17

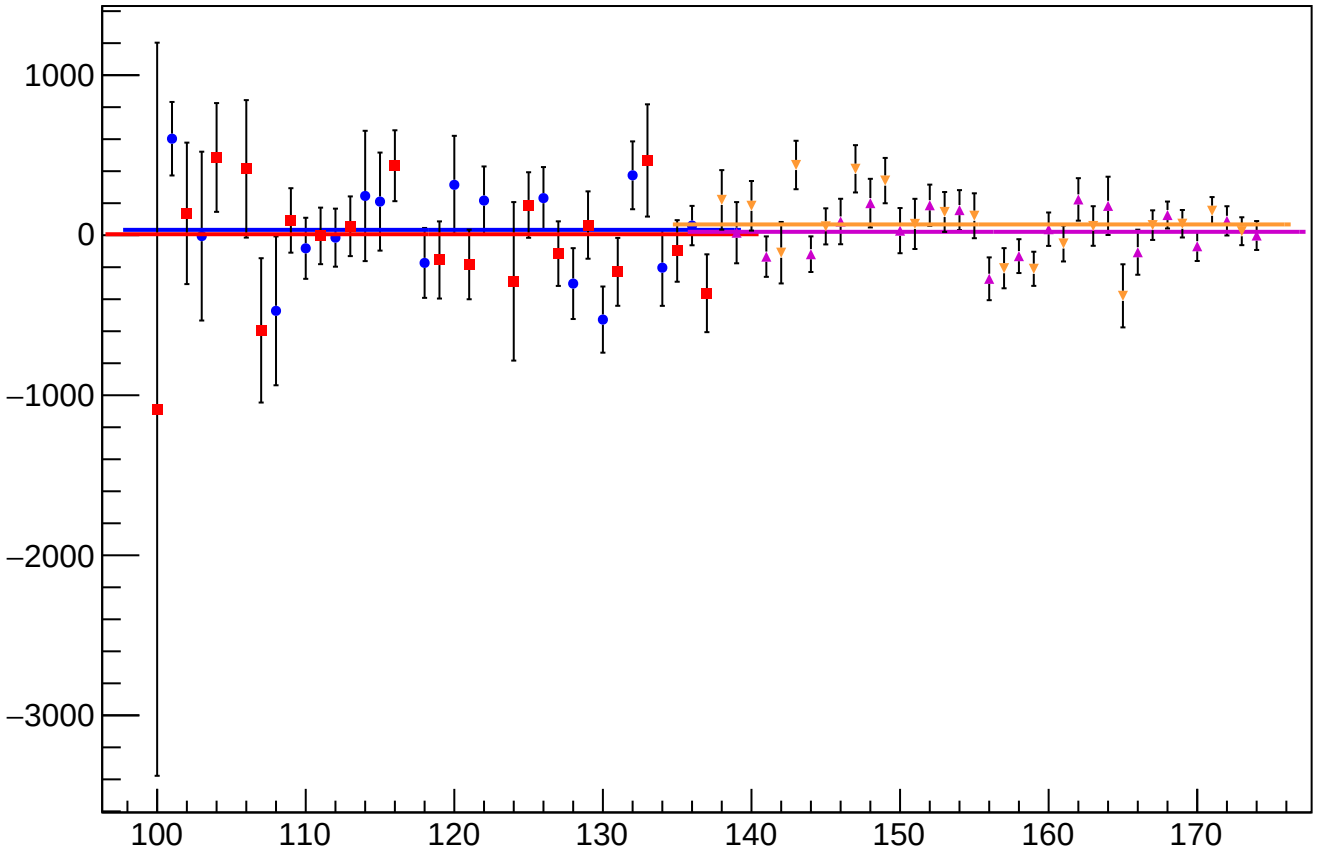
Left: 777.093+/-0.105 χ^2/NDF: 4382075.0/36

Right: 1562.823+/-0.295 χ^2/NDF: 1168163.0/34

In: 848.459+/-0.138 χ^2/NDF:5886932.3/33

Out: 882.558+/-0.142 χ^2/NDF:5917589.4/37

All: 865.065+/-0.099 χ^2/NDF: 11834260.4/71



Right In: 33.469+/-54.908 χ^2/NDF: 25.2/15

Left Out: 67.350+/-27.588 χ^2/NDF:36.9/18

Right Out: 6.103+/-56.090 χ^2/NDF: 17.3/18

Left In: 21.167+/-27.589 χ^2/NDF:21.5/17

Left: 44.259+/-19.508 χ^2/NDF: 59.8/36

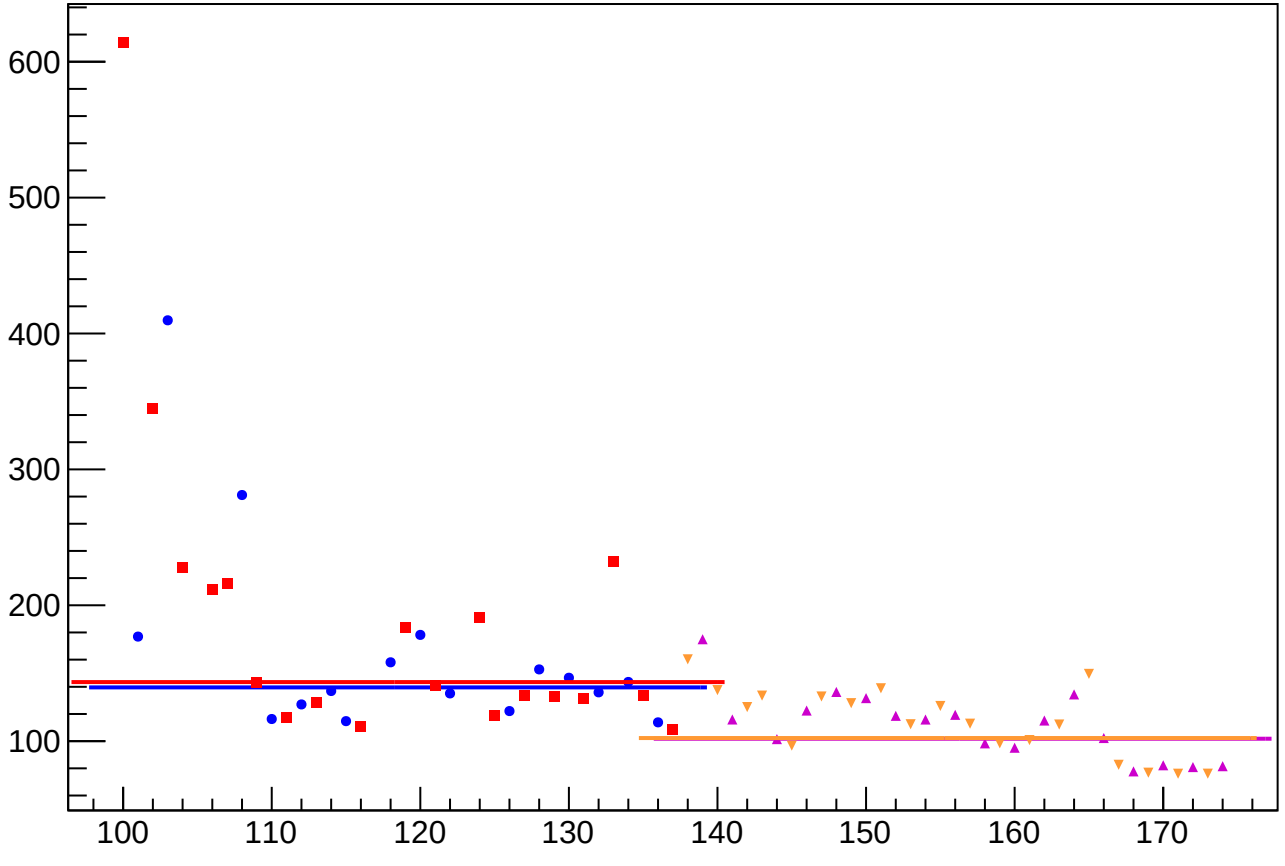
Right: 20.078+/-39.237 χ^2/NDF: 42.6/34

In: 23.647+/-24.652 χ^2/NDF:46.7/33

Out: 55.419+/-24.756 χ^2/NDF:55.2/37

All: 39.466+/-17.468 χ^2/NDF: 102.8/71

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.567+/-0.039 χ^2/NDF: 976737.0/15

Left Out: 102.291+/-0.020 χ^2/NDF:1526812.5/18

Right Out: 143.480+/-0.040 χ^2/NDF: 1116678.4/18

Left In: 101.798+/-0.020 χ^2/NDF:1199697.8/17

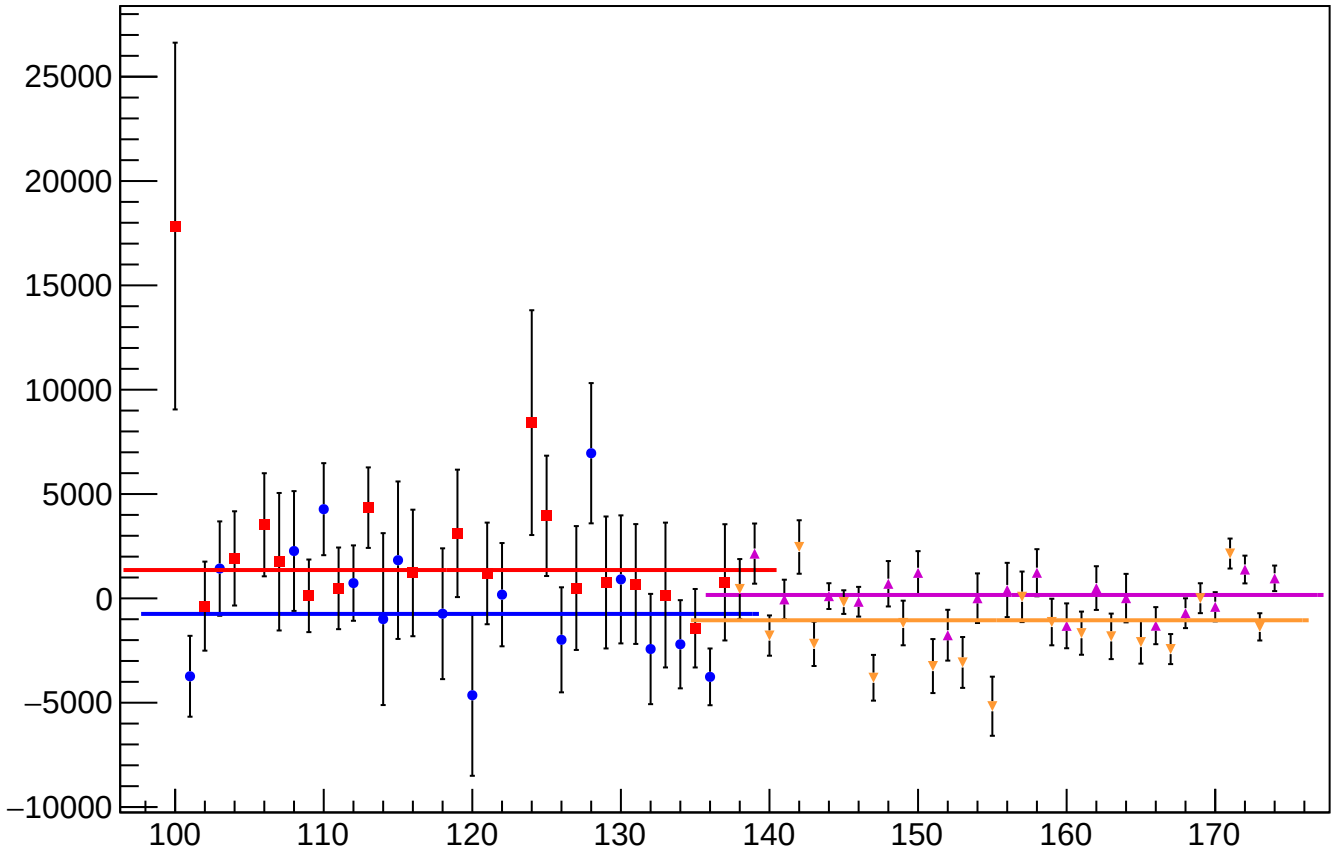
Left: 102.045+/-0.014 χ^2/NDF: 2726830.0/36

Right: 141.482+/-0.028 χ^2/NDF: 2098386.0/34

In: 109.411+/-0.017 χ^2/NDF:2931977.4/33

Out: 110.315+/-0.018 χ^2/NDF:3511868.6/37

All: 109.861+/-0.012 χ^2/NDF: 6445183.5/71



Right In: -744.678+/-595.809 χ^2/NDF: 23.5/15

Left Out: -1049.324+/-213.138 χ^2/NDF:61.8/18

Right Out: 1357.874+/-585.807 χ^2/NDF: 13.5/18

Left In: 163.264+/-206.534 χ^2/NDF:18.9/17

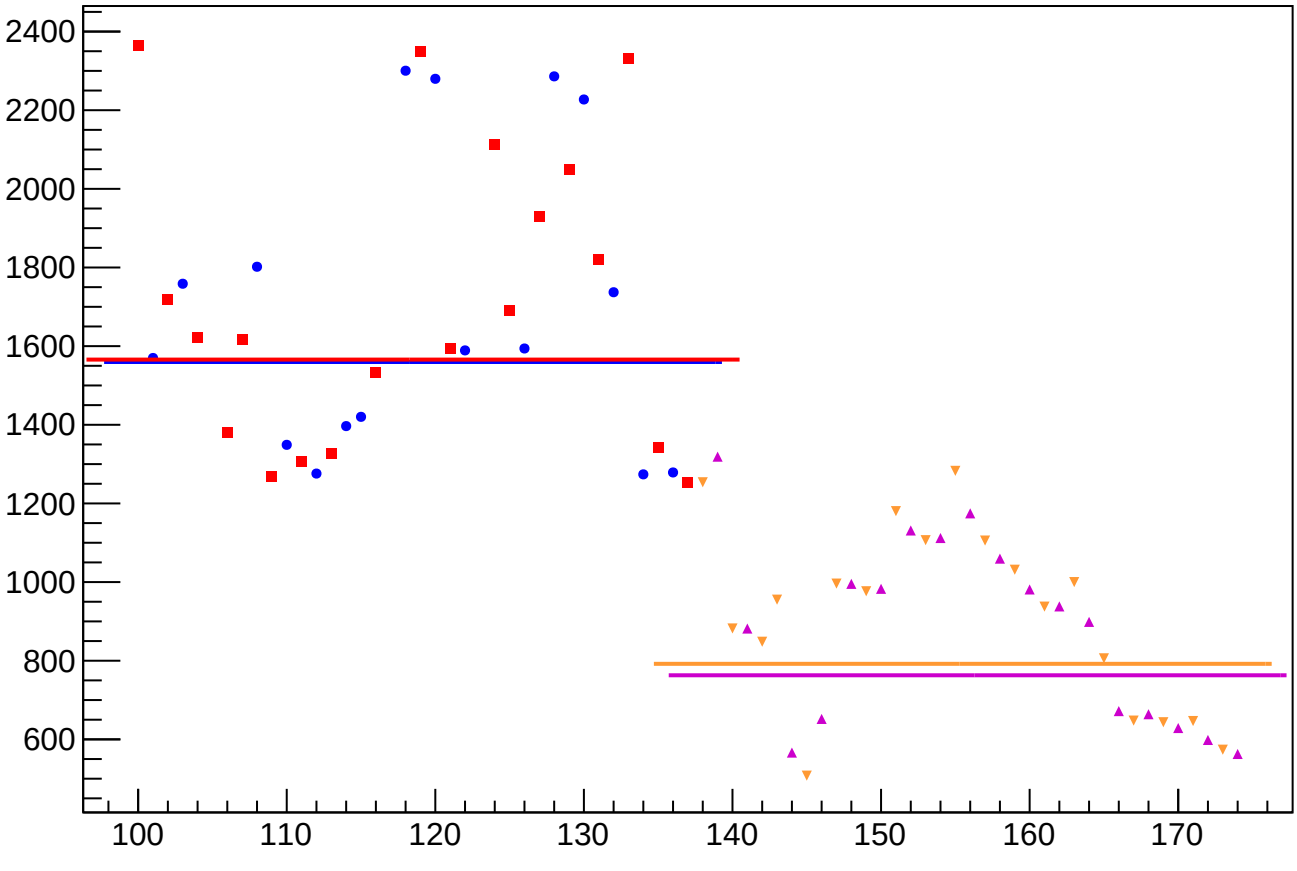
Left: -423.952+/-148.321 χ^2/NDF: 97.3/36

Right: 324.394+/-417.720 χ^2/NDF: 43.3/34

In: 65.867+/-195.142 χ^2/NDF:44.4/33

Out: -767.918+/-200.293 χ^2/NDF:90.2/37

All: -340.166+/-139.772 χ^2/NDF: 143.5/71



Right In: 1559.734+/-0.421 χ^2/NDF: 604209.8/15

Left Out: 792.111+/-0.151 χ^2/NDF:2272894.8/18

Right Out: 1565.806+/-0.414 χ^2/NDF: 563845.7/18

Left In: 762.990+/-0.146 χ^2/NDF:2089914.7/17

Left: 777.092+/-0.105 χ^2/NDF: 4382064.6/36

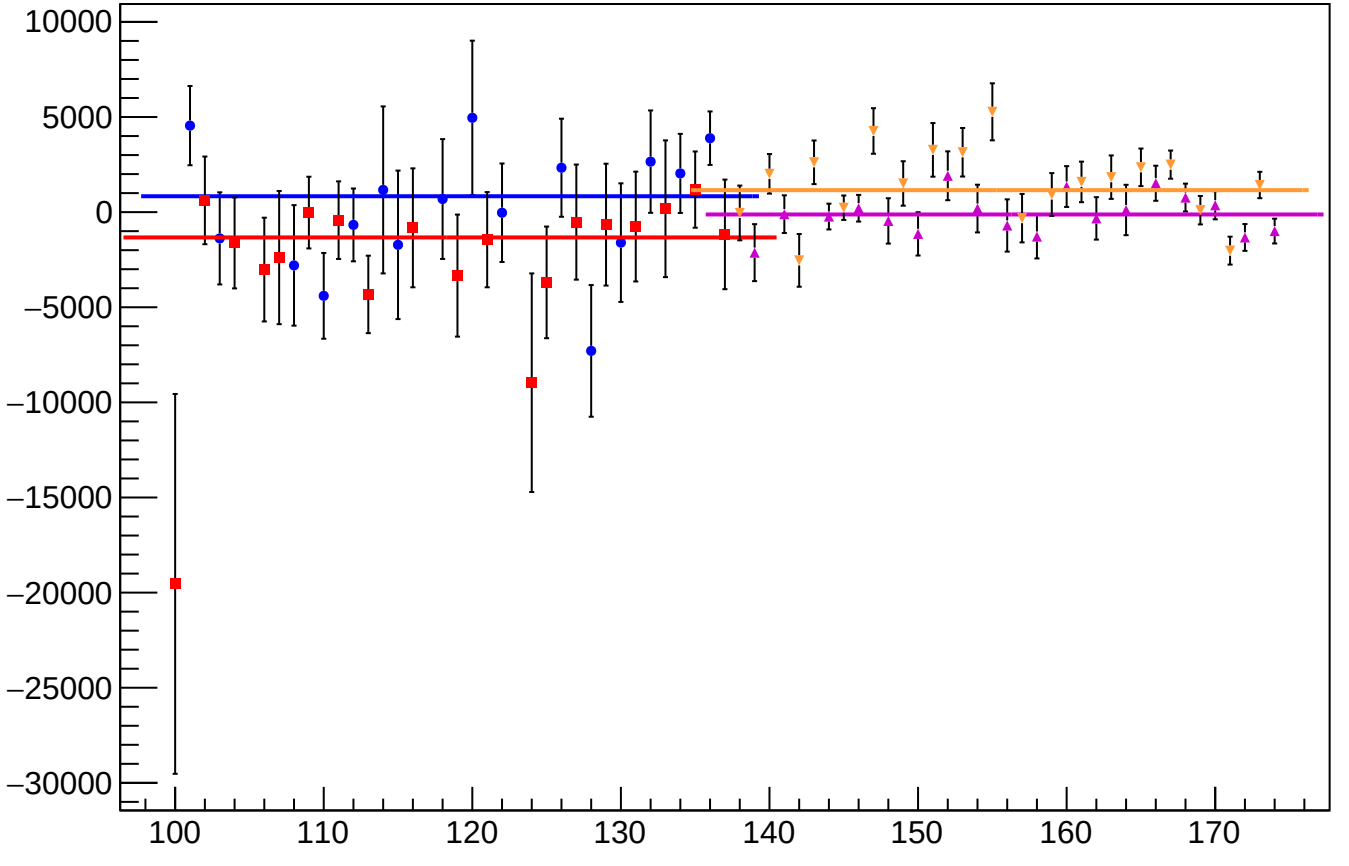
Right: 1562.821+/-0.295 χ^2/NDF: 1168161.1/34

In: 848.458+/-0.138 χ^2/NDF:5886927.3/33

Out: 882.557+/-0.142 χ^2/NDF:5917578.8/37

All: 865.064+/-0.099 χ^2/NDF: 11834244.8/71

asym_sam3_mean vs Slug, Sign Corrected



Right In: 835.496+/-618.780 χ^2/NDF: 24.9/15

Left Out: 1154.942+/-225.077 χ^2/NDF:58.8/18

Right Out: -1329.538+/-616.428 χ^2/NDF: 12.1/18

Left In: -122.308+/-217.366 χ^2/NDF:18.4/17

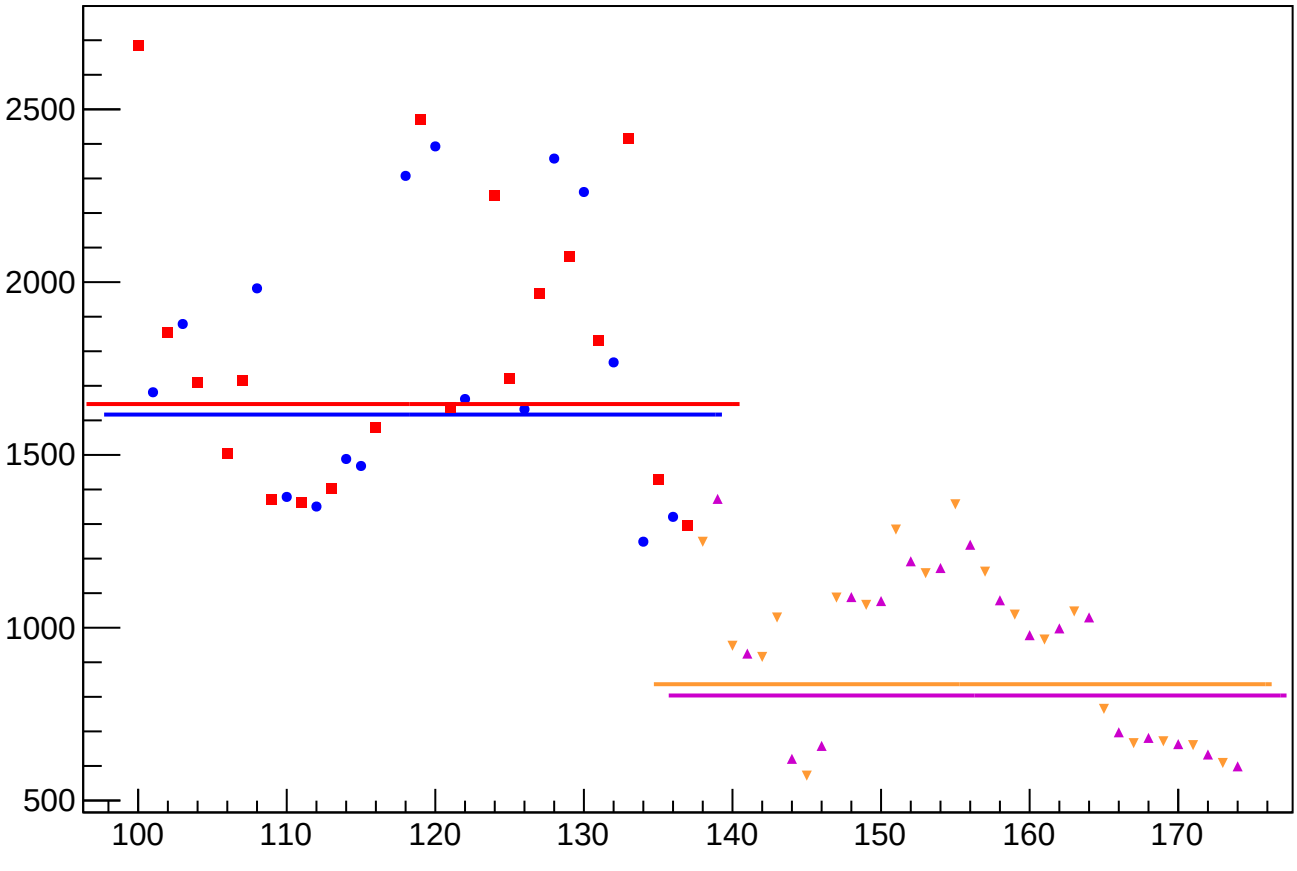
Left: 494.064+/-156.356 χ^2/NDF: 93.9/36

Right: -251.145+/-436.710 χ^2/NDF: 43.2/34

In: -17.099+/-205.081 χ^2/NDF:45.5/33

Out: 862.674+/-211.424 χ^2/NDF:85.3/37

All: 409.391+/-147.206 χ^2/NDF: 139.6/71



Right In: 1616.804+/-0.438 χ^2/NDF: 622271.0/15

Left Out: 836.533+/-0.159 χ^2/NDF:2162902.6/18

Right Out: 1647.227+/-0.436 χ^2/NDF: 523860.9/18

Left In: 803.904+/-0.154 χ^2/NDF:2095375.6/17

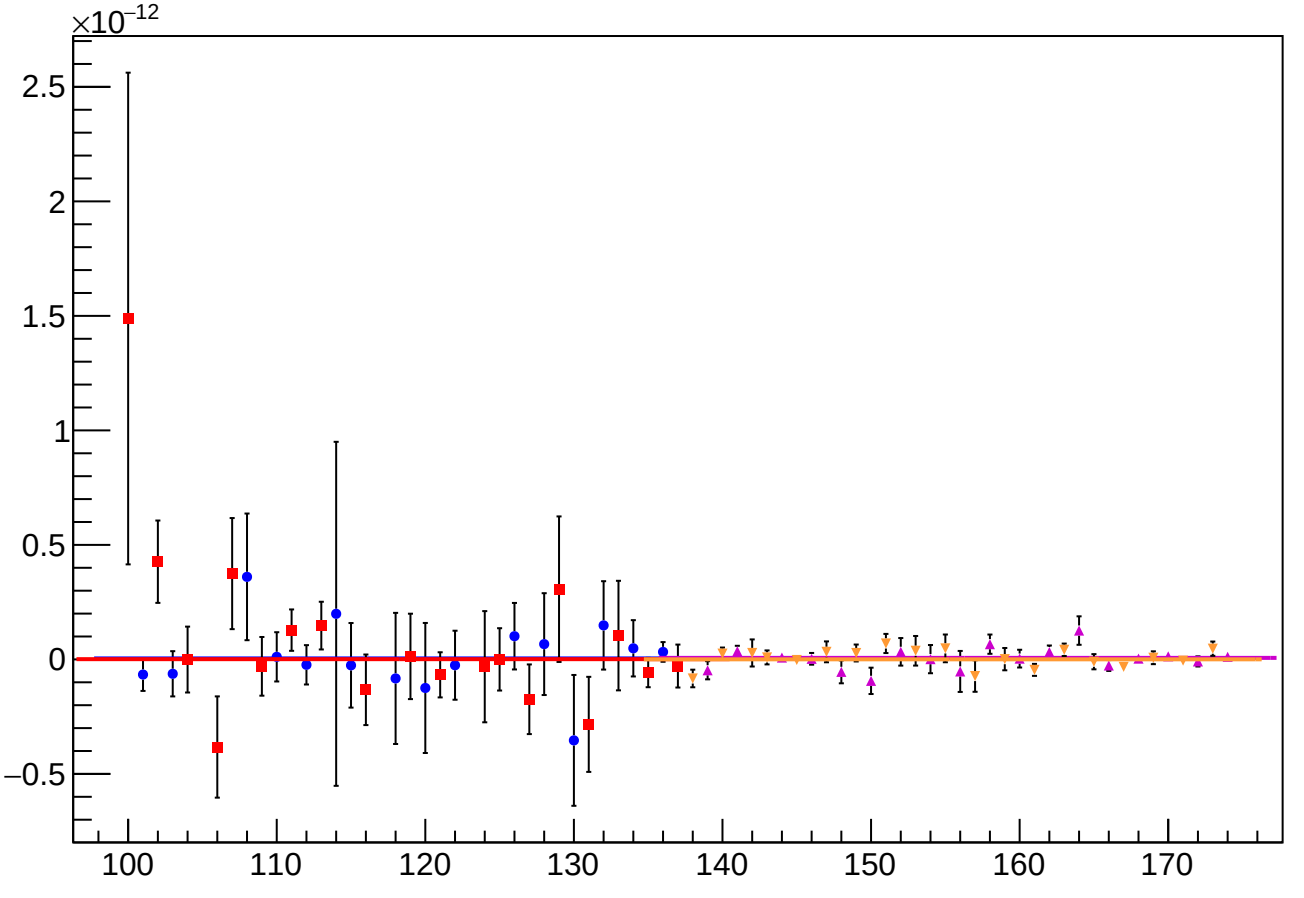
Left: 819.650+/-0.111 χ^2/NDF: 4280026.6/36

Right: 1632.074+/-0.309 χ^2/NDF: 1148558.3/34

In: 893.196+/-0.145 χ^2/NDF:5790187.9/33

Out: 931.901+/-0.149 χ^2/NDF:5739060.7/37

All: 911.959+/-0.104 χ^2/NDF: 11563782.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 6.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/18

Left In: 0.000+/-0.000 χ^2/NDF:17.8/17

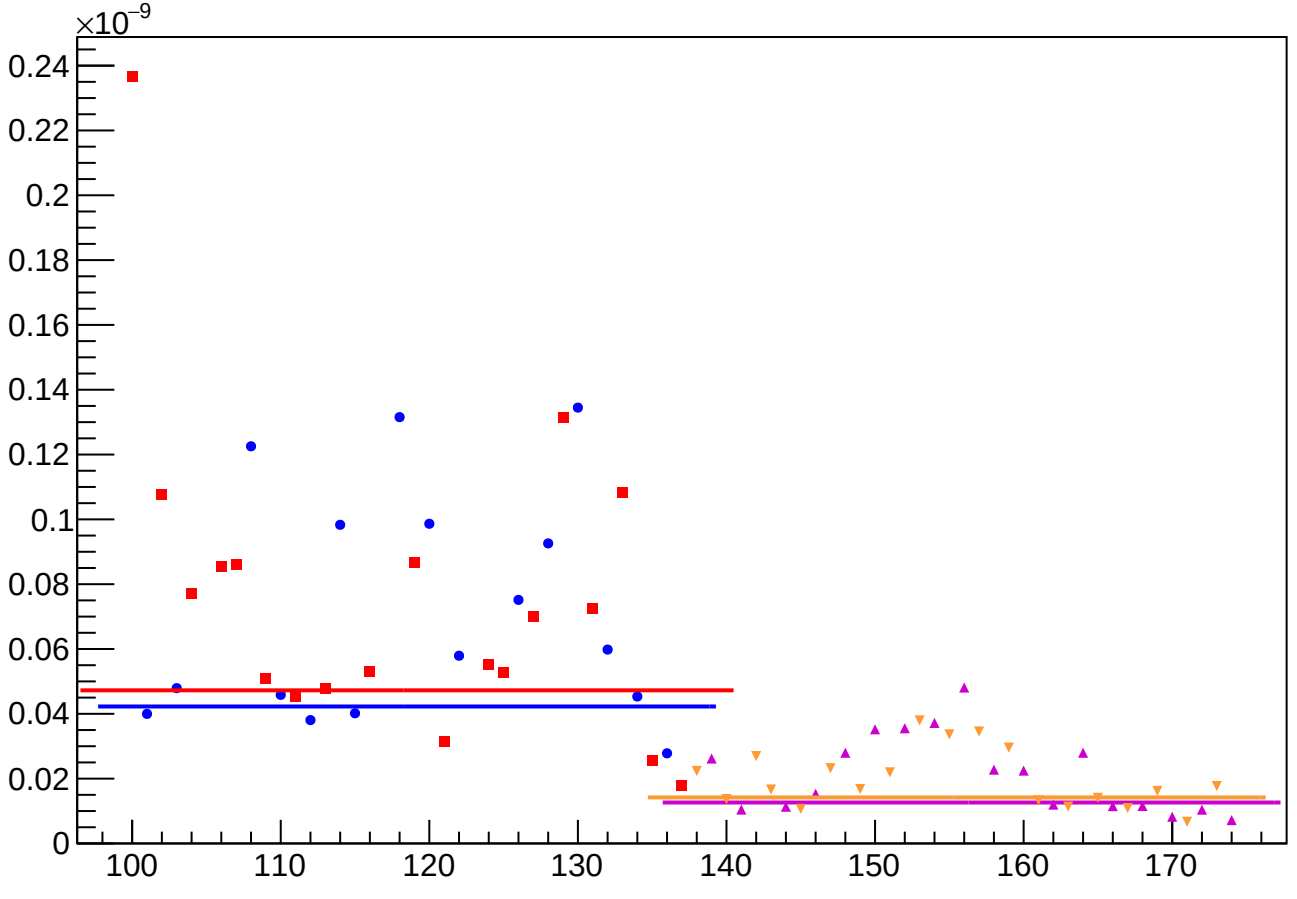
Left: 0.000+/-0.000 χ^2/NDF: 40.9/36

Right: 0.000+/-0.000 χ^2/NDF: 30.3/34

In: 0.000+/-0.000 χ^2/NDF:24.7/33

Out: 0.000+/-0.000 χ^2/NDF:46.0/37

All: 0.000+/-0.000 χ^2/NDF: 71.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 1147920.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1774471.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1410595.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2527896.5/17

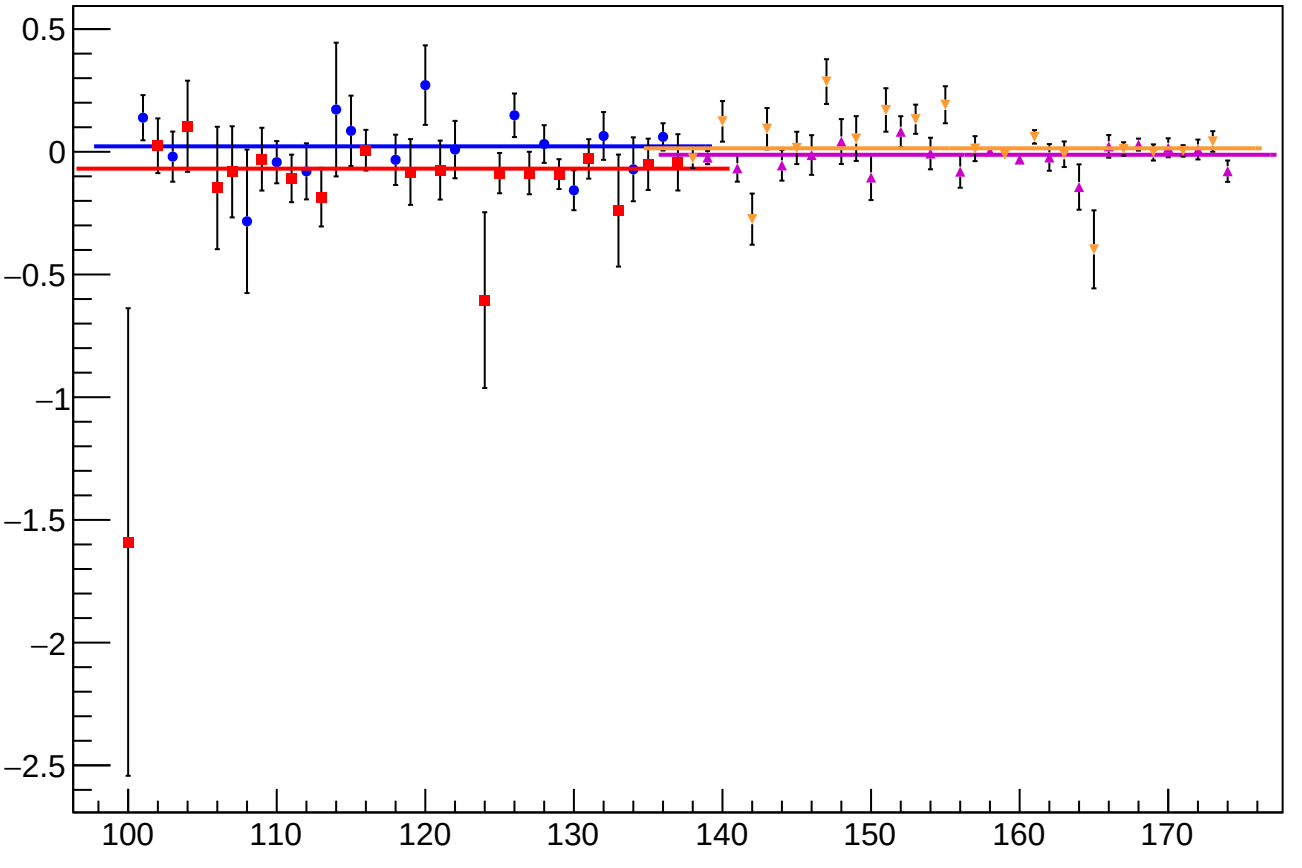
Left: 0.000+/-0.000 χ^2/NDF: 4359375.3/36

Right: 0.000+/-0.000 χ^2/NDF: 2588419.0/34

In: 0.000+/-0.000 χ^2/NDF:5921677.2/33

Out: 0.000+/-0.000 χ^2/NDF:5447966.3/37

All: 0.000+/-0.000 χ^2/NDF: 11437782.3/71



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

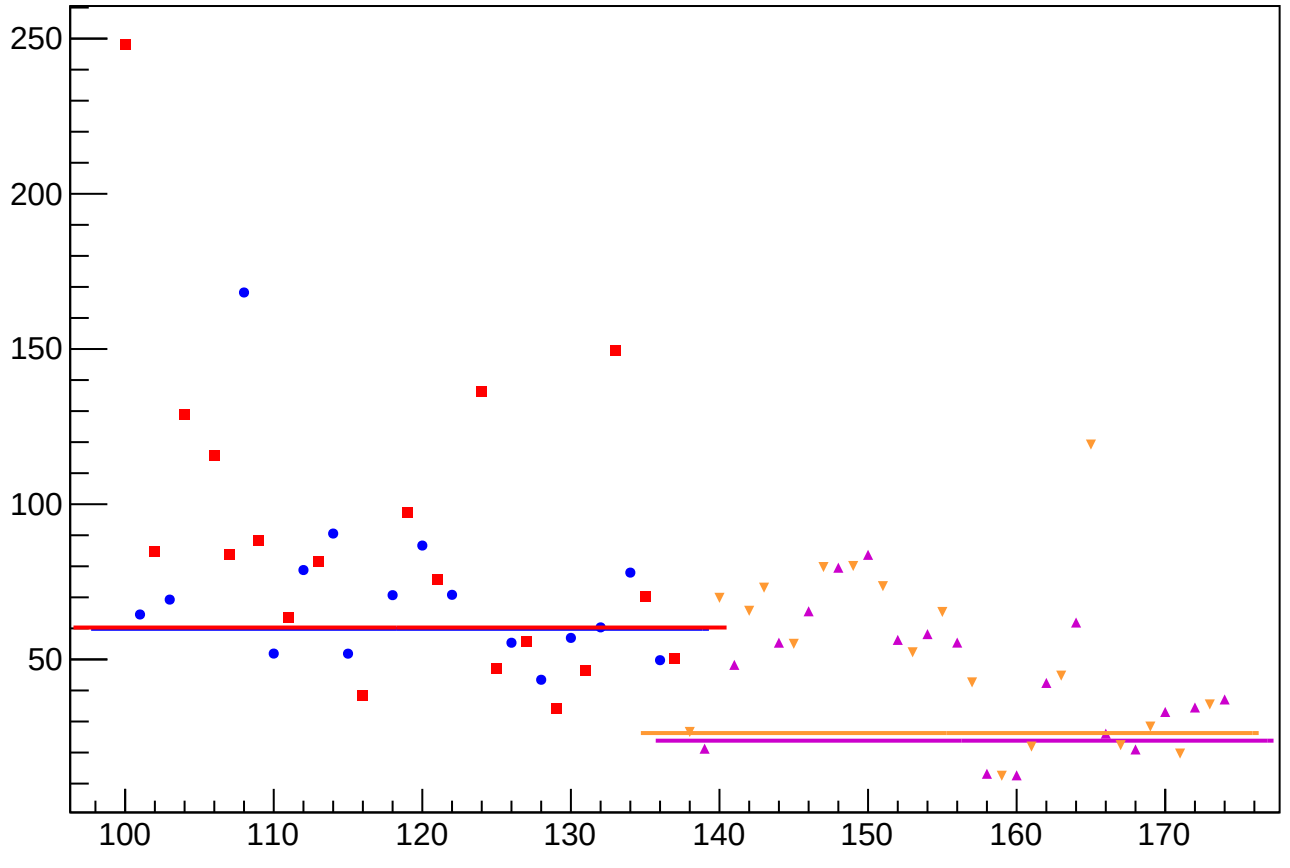
Left: 0.000+/-0.006 χ^2/NDF: 68.7/36

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.002+/-0.006 χ^2/NDF: 101.8/71



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.281+/-0.006 χ^2/NDF:7788411.1/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

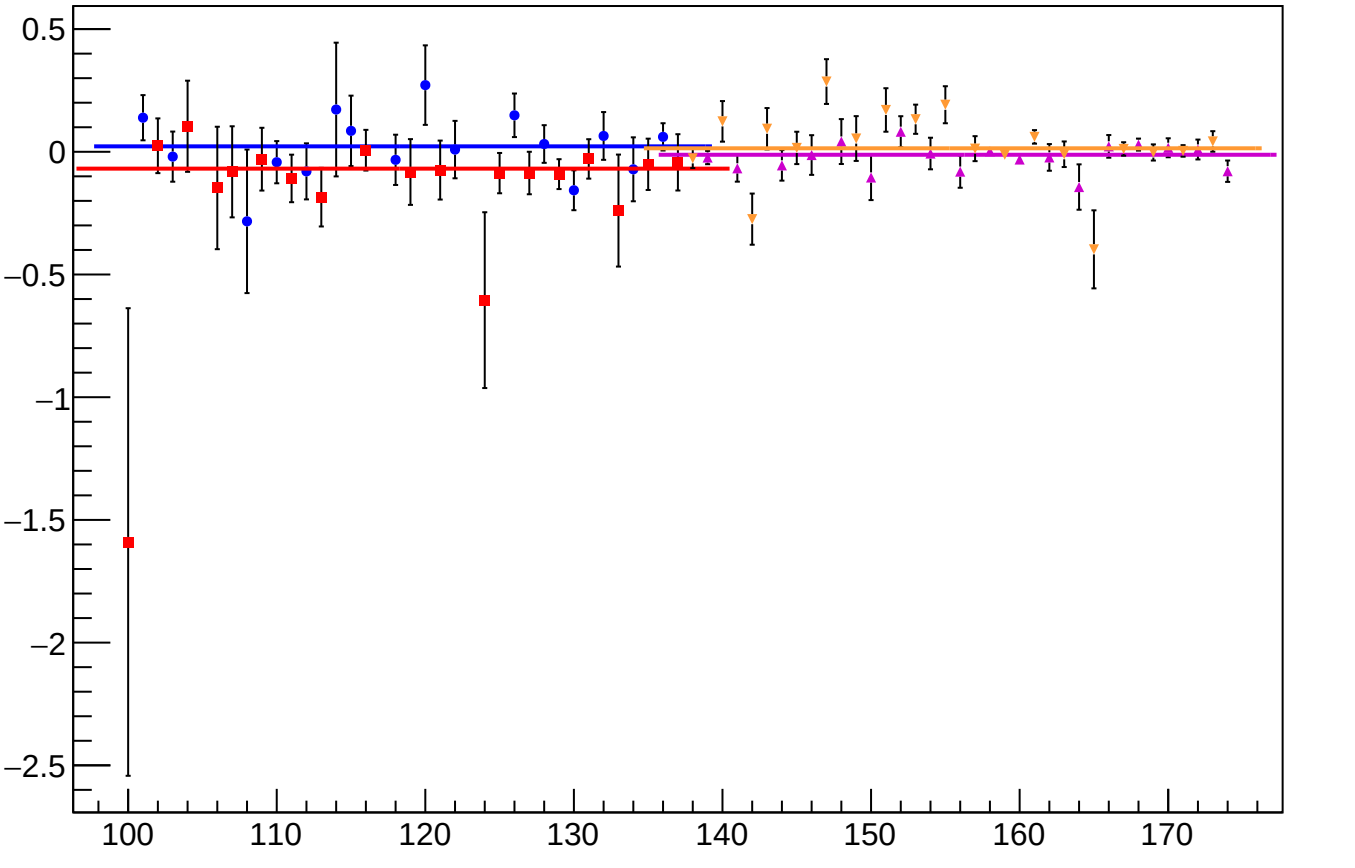
Left: 24.960+/-0.004 χ^2/NDF: 15355920.8/36

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.354+/-0.005 χ^2/NDF:12031707.7/33

Out: 29.934+/-0.006 χ^2/NDF:12994629.9/37

All: 28.553+/-0.004 χ^2/NDF: 25130089.6/71



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

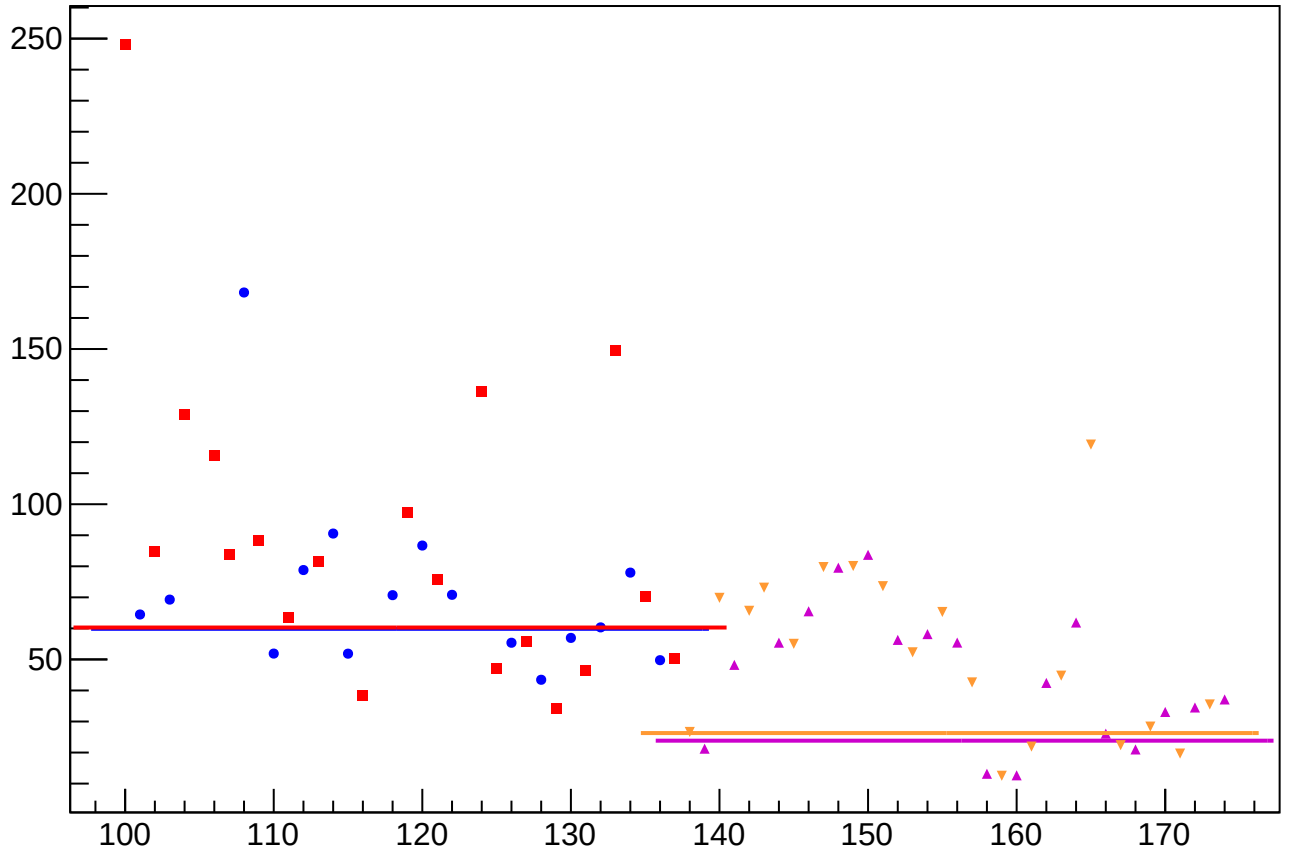
Left: 0.000+/-0.006 χ^2/NDF: 68.7/36

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.002+/-0.006 χ^2/NDF: 101.8/71



Right In: 59.867+/-0.017 χ^2/NDF: 698954.5/15

Left Out: 26.281+/-0.006 χ^2/NDF:7788411.1/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977220.6/18

Left In: 23.824+/-0.006 χ^2/NDF:7483159.4/17

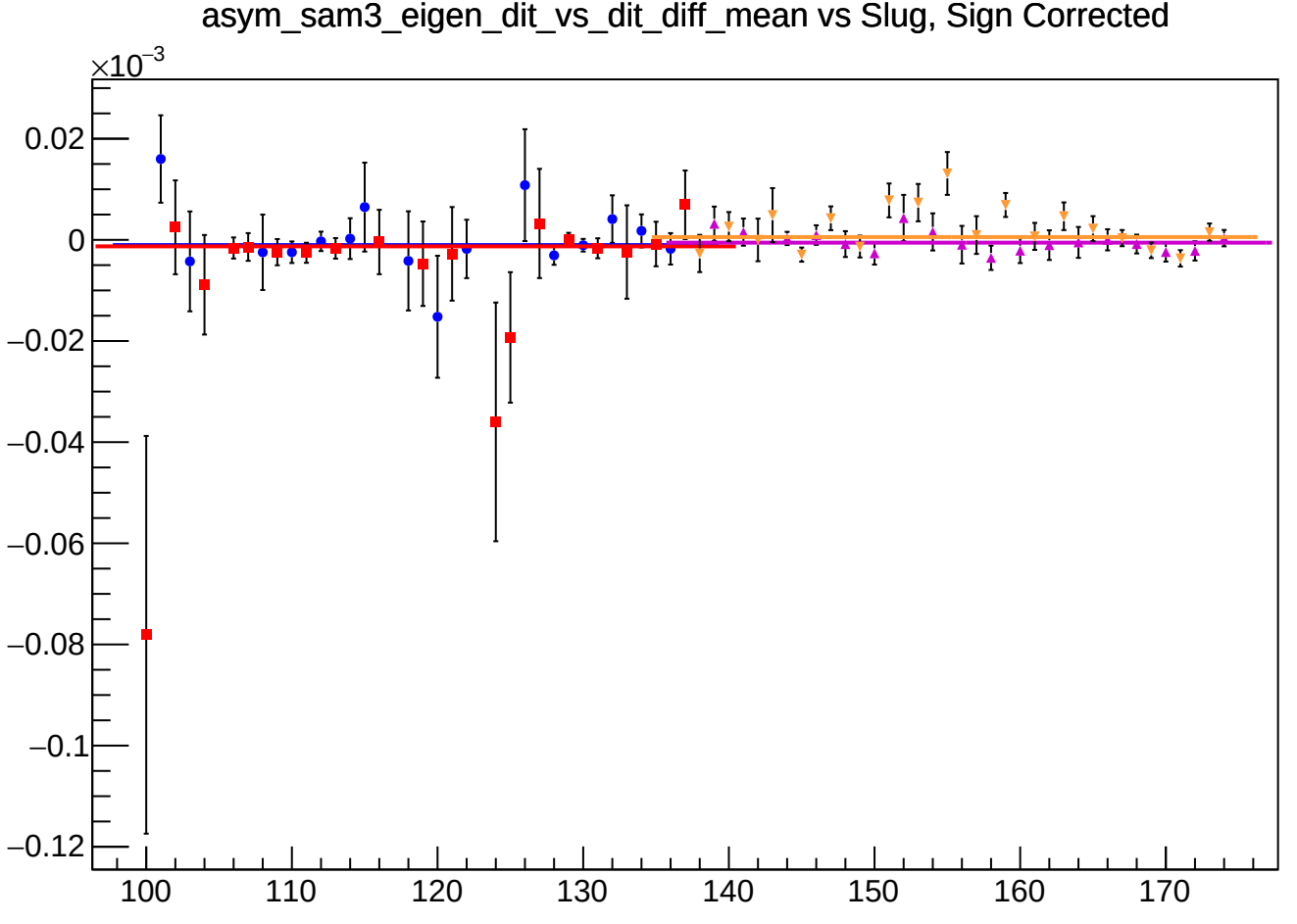
Left: 24.960+/-0.004 χ^2/NDF: 15355920.8/36

Right: 60.068+/-0.012 χ^2/NDF: 2676445.3/34

In: 27.354+/-0.005 χ^2/NDF:12031707.7/33

Out: 29.934+/-0.006 χ^2/NDF:12994629.9/37

All: 28.553+/-0.004 χ^2/NDF: 25130089.6/71



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:48.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.5/18

Left In: -0.000+/-0.000 χ^2/NDF:9.3/17

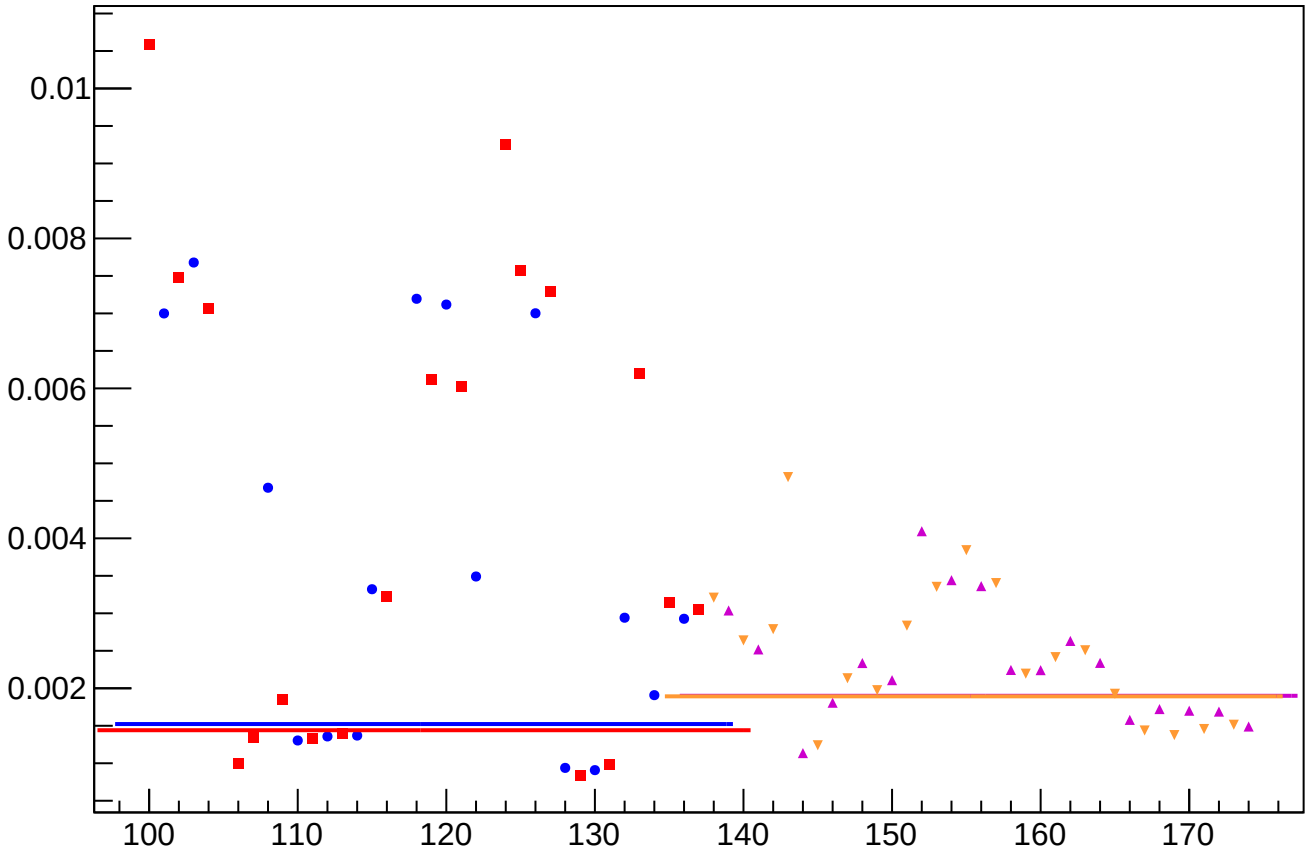
Left: -0.000+/-0.000 χ^2/NDF: 59.7/36

Right: -0.000+/-0.000 χ^2/NDF: 23.8/34

In: -0.000+/-0.000 χ^2/NDF:20.8/33

Out: -0.000+/-0.000 χ^2/NDF:65.0/37

All: -0.000+/-0.000 χ^2/NDF: 86.9/71



Right In: 0.002+/-0.000 χ^2/NDF: 5182869.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:3601330.0/18

Right Out: 0.001+/-0.000 χ^2/NDF: 5789411.1/18

Left In: 0.002+/-0.000 χ^2/NDF:2703590.6/17

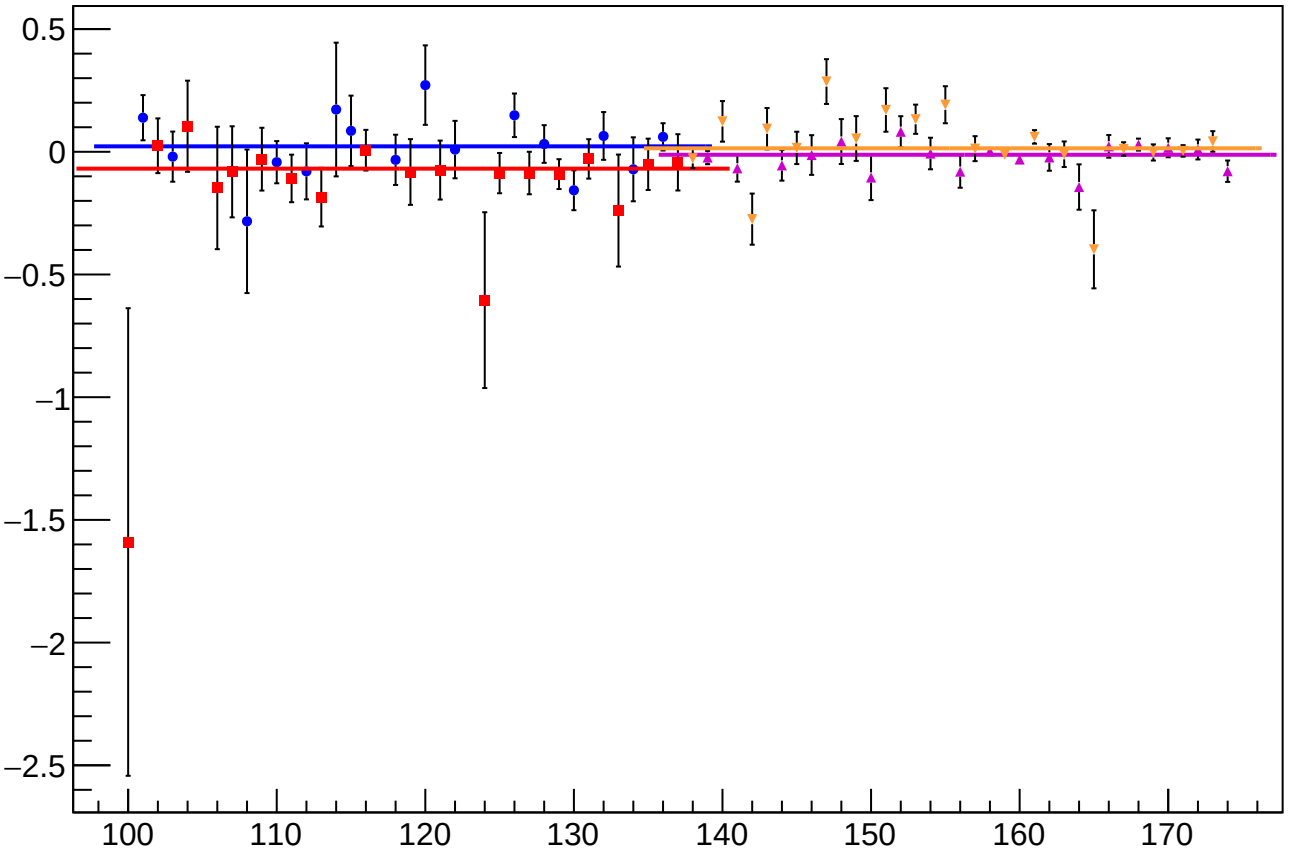
Left: 0.002+/-0.000 χ^2/NDF: 6305116.4/36

Right: 0.001+/-0.000 χ^2/NDF: 10985380.1/34

In: 0.002+/-0.000 χ^2/NDF:8232885.7/33

Out: 0.002+/-0.000 χ^2/NDF:9925119.8/37

All: 0.002+/-0.000 χ^2/NDF: 18168850.0/71



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

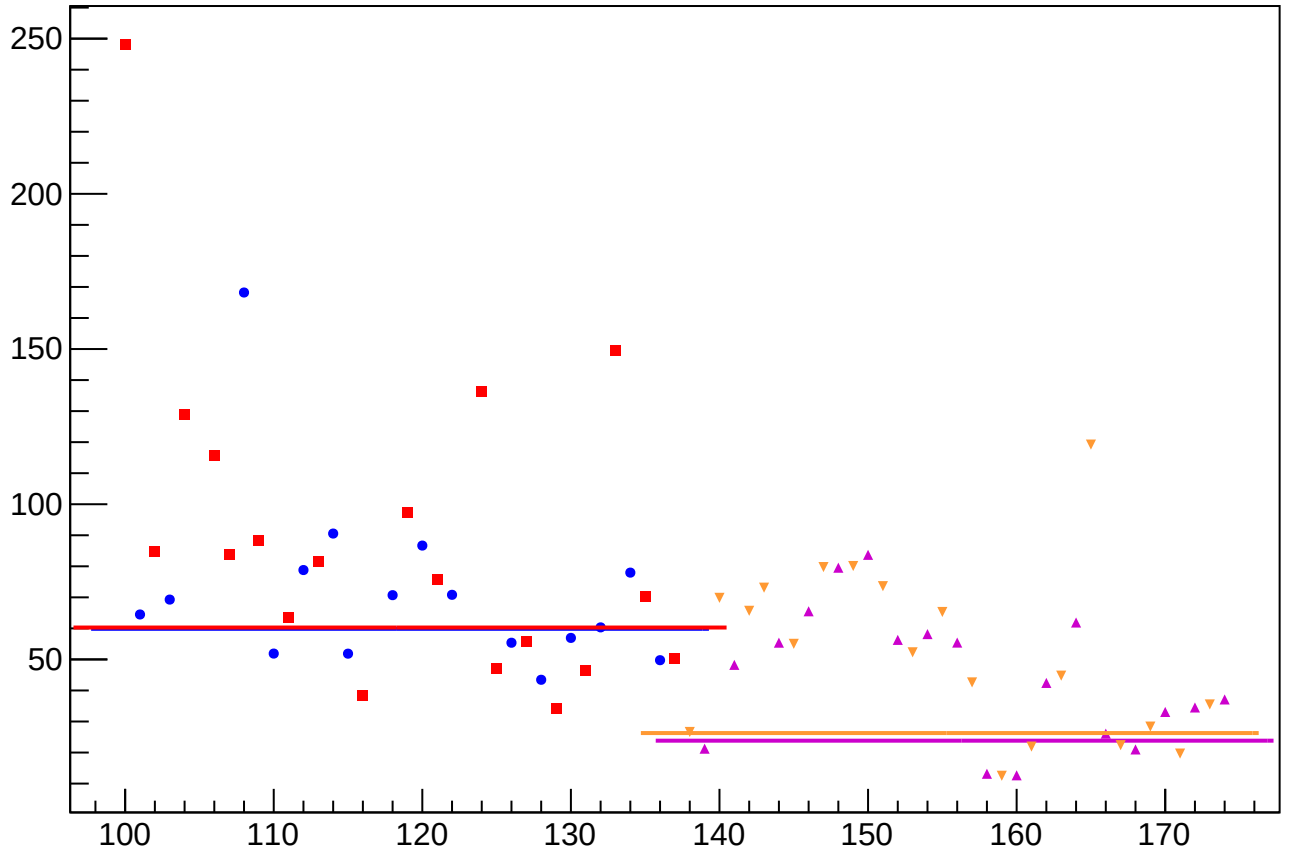
Left: 0.000+/-0.006 χ^2/NDF: 68.7/36

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.002+/-0.006 χ^2/NDF: 101.8/71



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.279+/-0.006 χ^2/NDF:7789320.2/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 23.824+/-0.006 χ^2/NDF:7483599.2/17

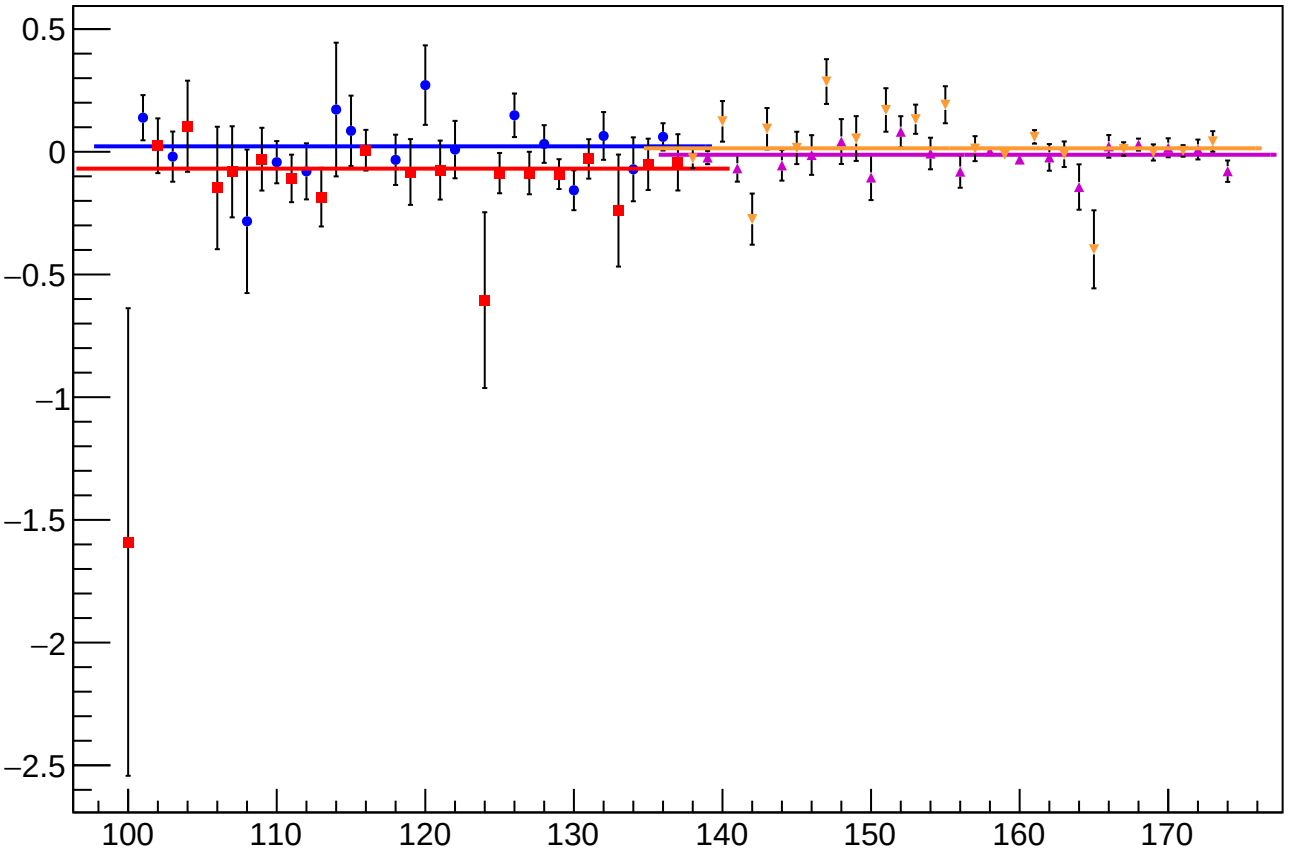
Left: 24.959+/-0.004 χ^2/NDF: 15357210.9/36

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.354+/-0.005 χ^2/NDF:12032351.9/33

Out: 29.933+/-0.006 χ^2/NDF:12995895.8/37

All: 28.553+/-0.004 χ^2/NDF: 25131930.2/71



Right In: 0.022+/-0.025 χ^2/NDF: 15.5/15

Left Out: 0.014+/-0.009 χ^2/NDF:46.6/18

Right Out: -0.069+/-0.025 χ^2/NDF: 9.6/18

Left In: -0.012+/-0.008 χ^2/NDF:17.2/17

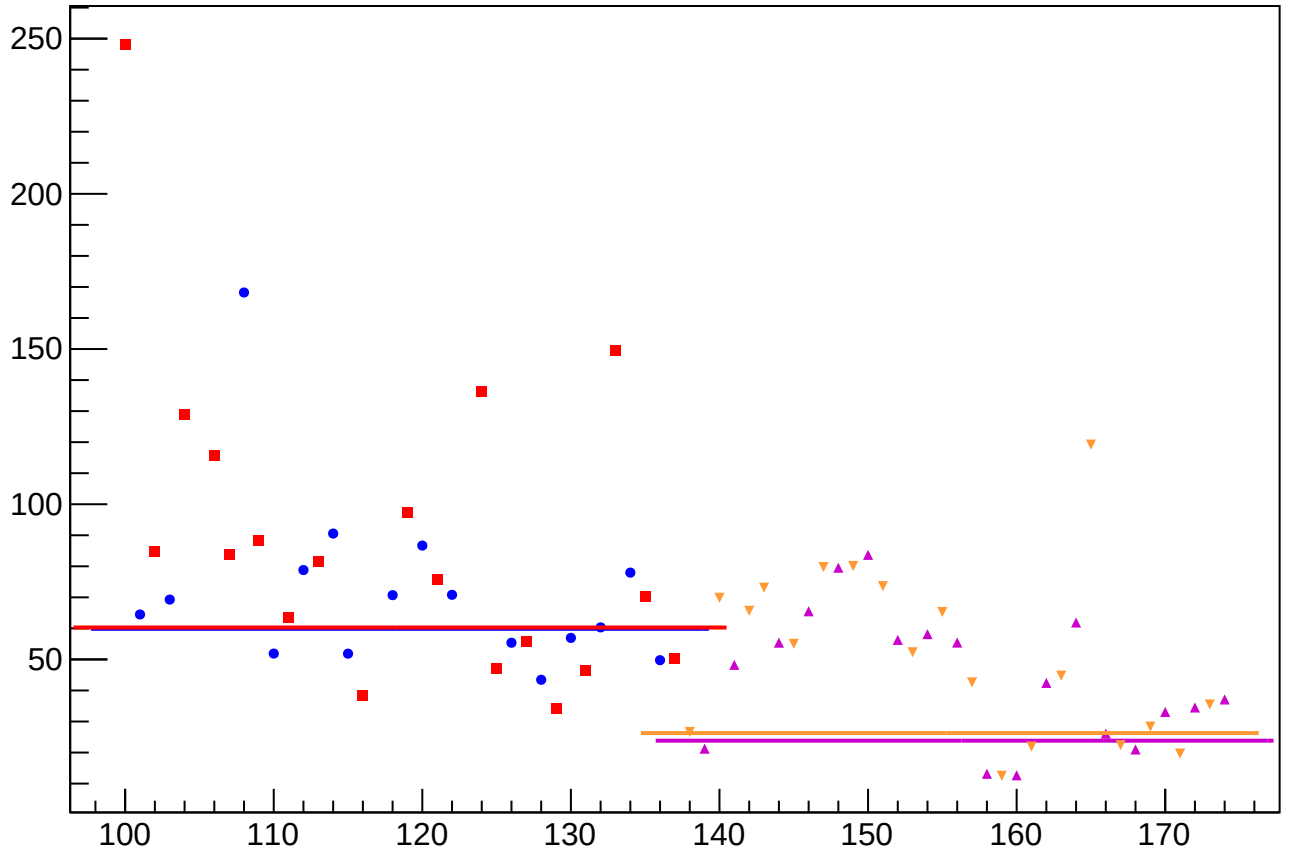
Left: 0.000+/-0.006 χ^2/NDF: 68.7/36

Right: -0.022+/-0.018 χ^2/NDF: 31.7/34

In: -0.009+/-0.008 χ^2/NDF:34.4/33

Out: 0.005+/-0.008 χ^2/NDF:65.9/37

All: -0.002+/-0.006 χ^2/NDF: 101.8/71



Right In: 59.868+/-0.017 χ^2/NDF: 699008.9/15

Left Out: 26.279+/-0.006 χ^2/NDF:7789320.2/18

Right Out: 60.278+/-0.018 χ^2/NDF: 1977294.2/18

Left In: 23.824+/-0.006 χ^2/NDF:7483599.2/17

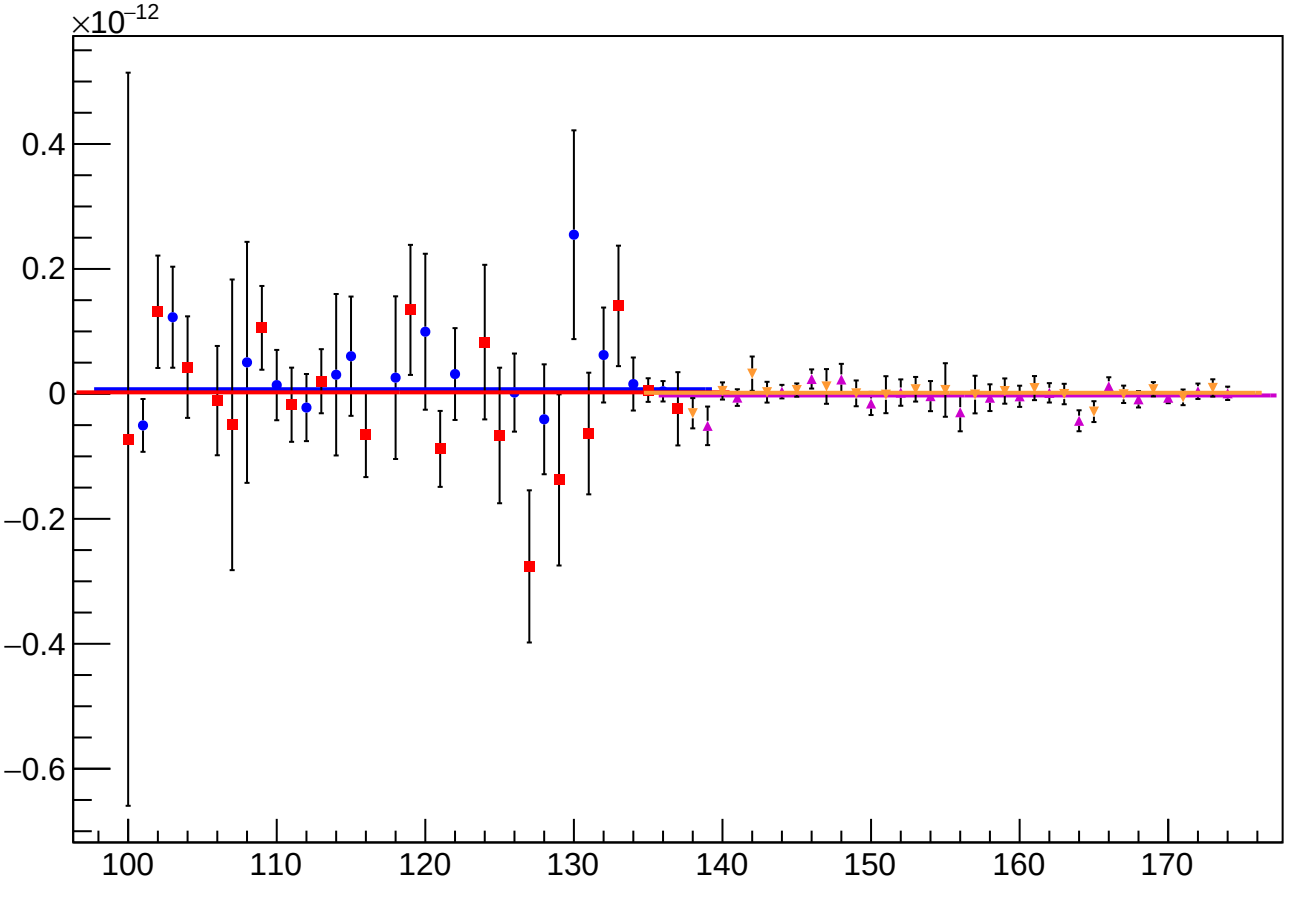
Left: 24.959+/-0.004 χ^2/NDF: 15357210.9/36

Right: 60.068+/-0.012 χ^2/NDF: 2676572.8/34

In: 27.354+/-0.005 χ^2/NDF:12032351.9/33

Out: 29.933+/-0.006 χ^2/NDF:12995895.8/37

All: 28.553+/-0.004 χ^2/NDF: 25131930.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:7.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.7/18

Left In: -0.000+/-0.000 χ^2/NDF:15.9/17

Left: -0.000+/-0.000 χ^2/NDF: 24.5/36

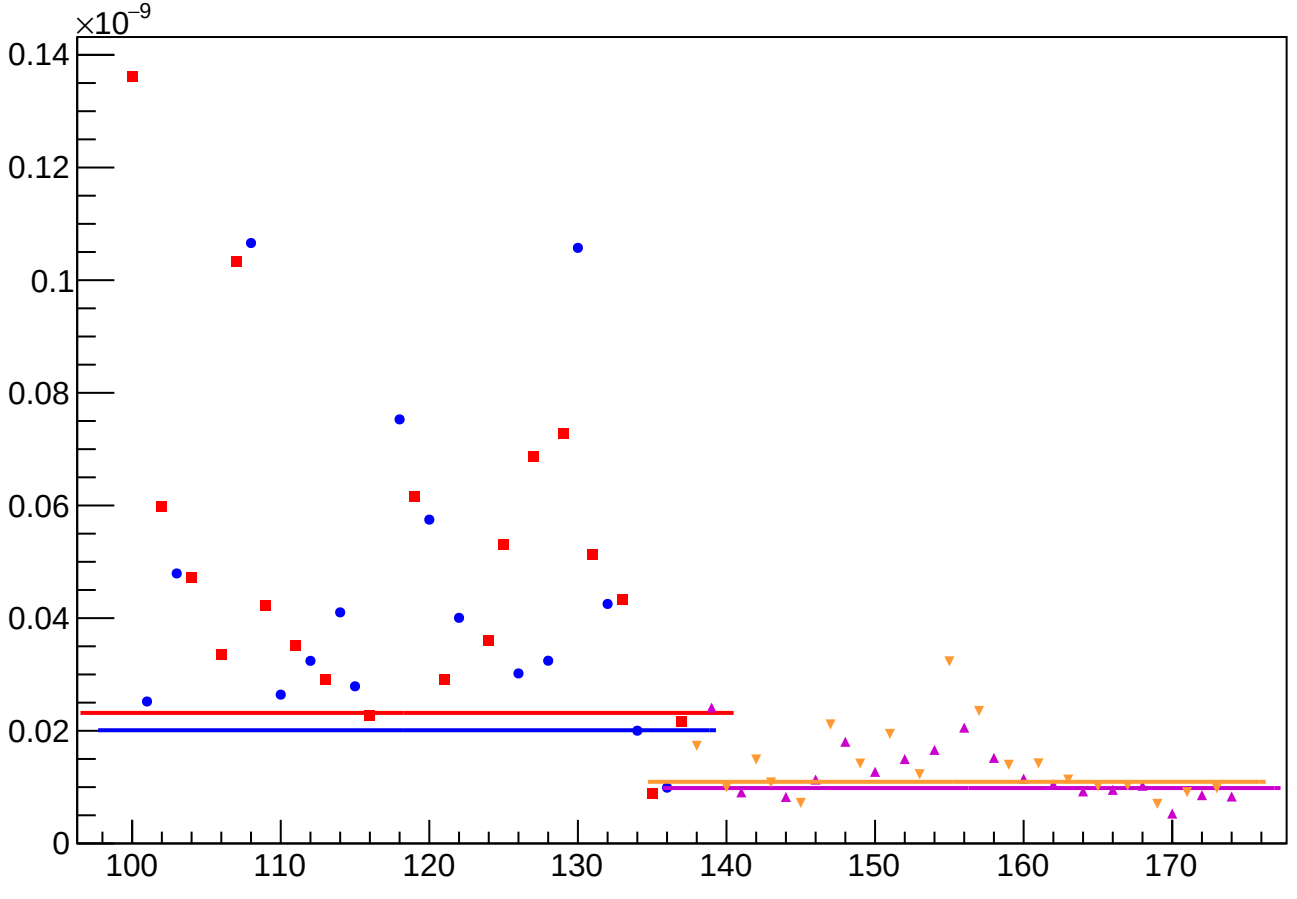
Right: 0.000+/-0.000 χ^2/NDF: 28.1/34

In: -0.000+/-0.000 χ^2/NDF:24.9/33

Out: 0.000+/-0.000 χ^2/NDF:27.6/37

All: -0.000+/-0.000 χ^2/NDF: 53.0/71

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:2184542.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3530677.1/18

Left In: 0.000+/-0.000 χ^2/NDF:2025000.0/17

Left: 0.000+/-0.000 χ^2/NDF: 4299824.3/36

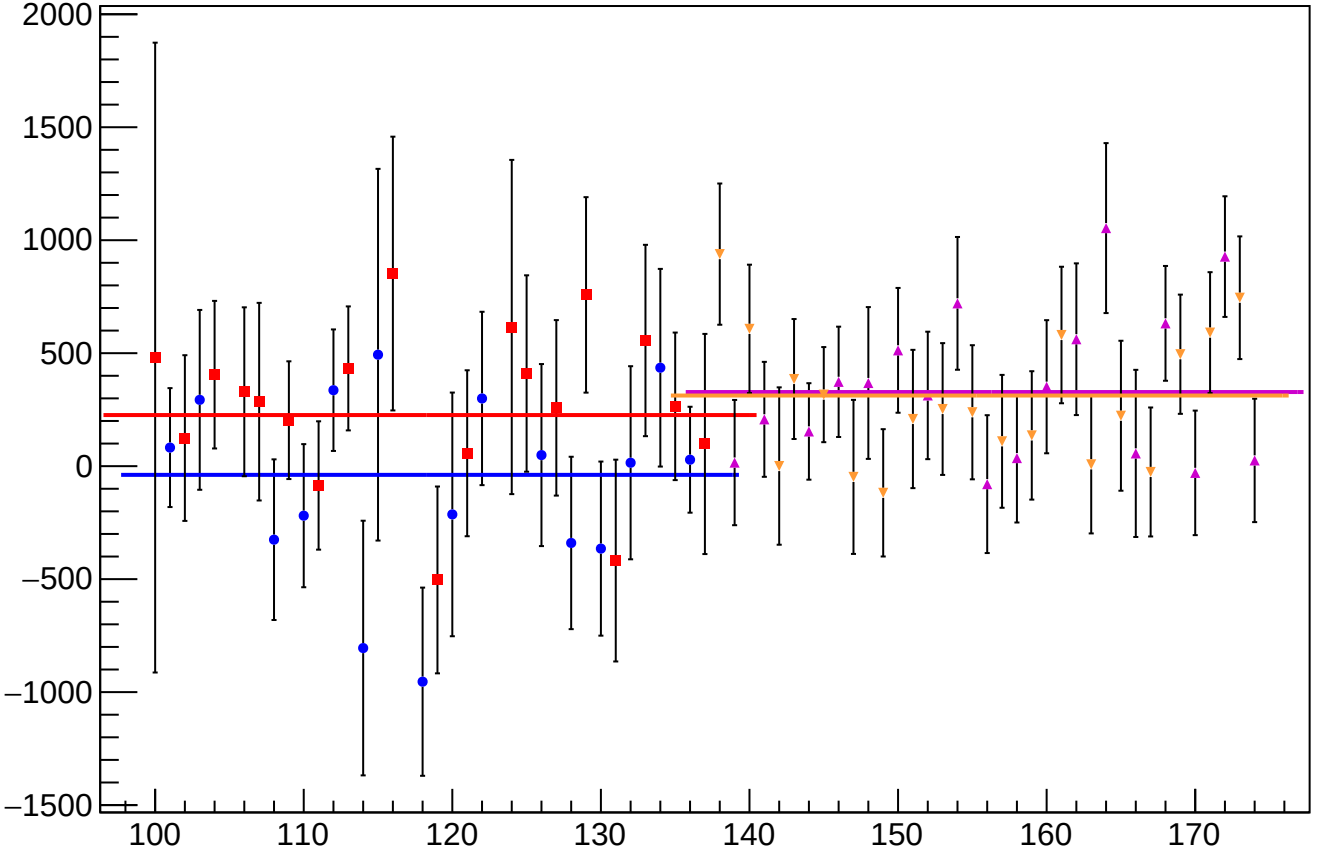
Right: 0.000+/-0.000 χ^2/NDF: 6709527.6/34

In: 0.000+/-0.000 χ^2/NDF:6464784.7/33

Out: 0.000+/-0.000 χ^2/NDF:7228067.7/37

All: 0.000+/-0.000 χ^2/NDF: 13815512.4/71

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.498+/-90.619 χ^2/NDF: 14.5/15

Left Out: 312.620+/-65.722 χ^2/NDF:17.9/18

Right Out: 226.168+/-87.908 χ^2/NDF: 11.4/18

Left In: 328.046+/-66.337 χ^2/NDF:21.4/17

Left: 320.261+/-46.688 χ^2/NDF: 39.3/36

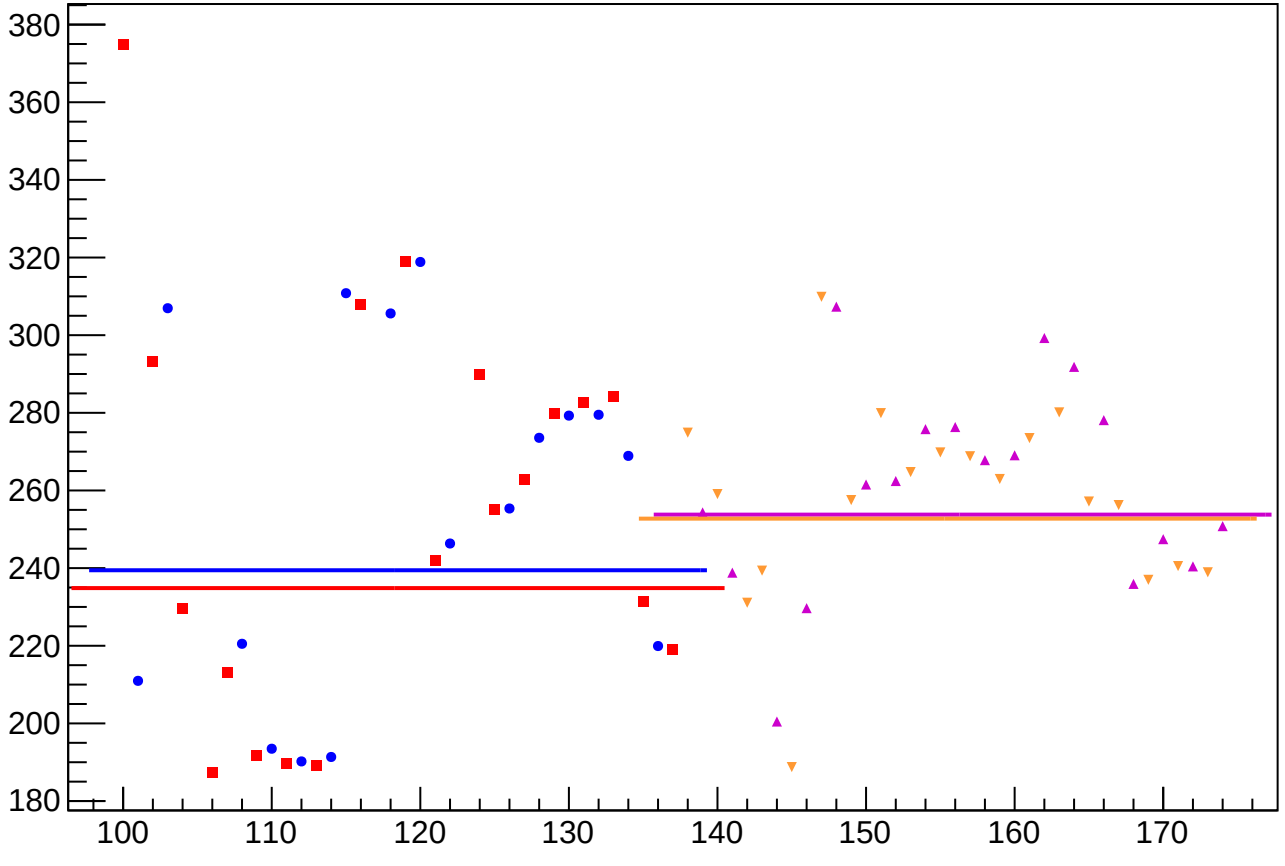
Right: 97.852+/-63.097 χ^2/NDF: 30.3/34

In: 200.154+/-53.527 χ^2/NDF:46.5/33

Out: 281.623+/-52.638 χ^2/NDF:29.9/37

All: 241.571+/-37.531 χ^2/NDF: 77.6/71

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400955.7/15

Left Out: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.855+/-0.062 χ^2/NDF: 481715.3/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

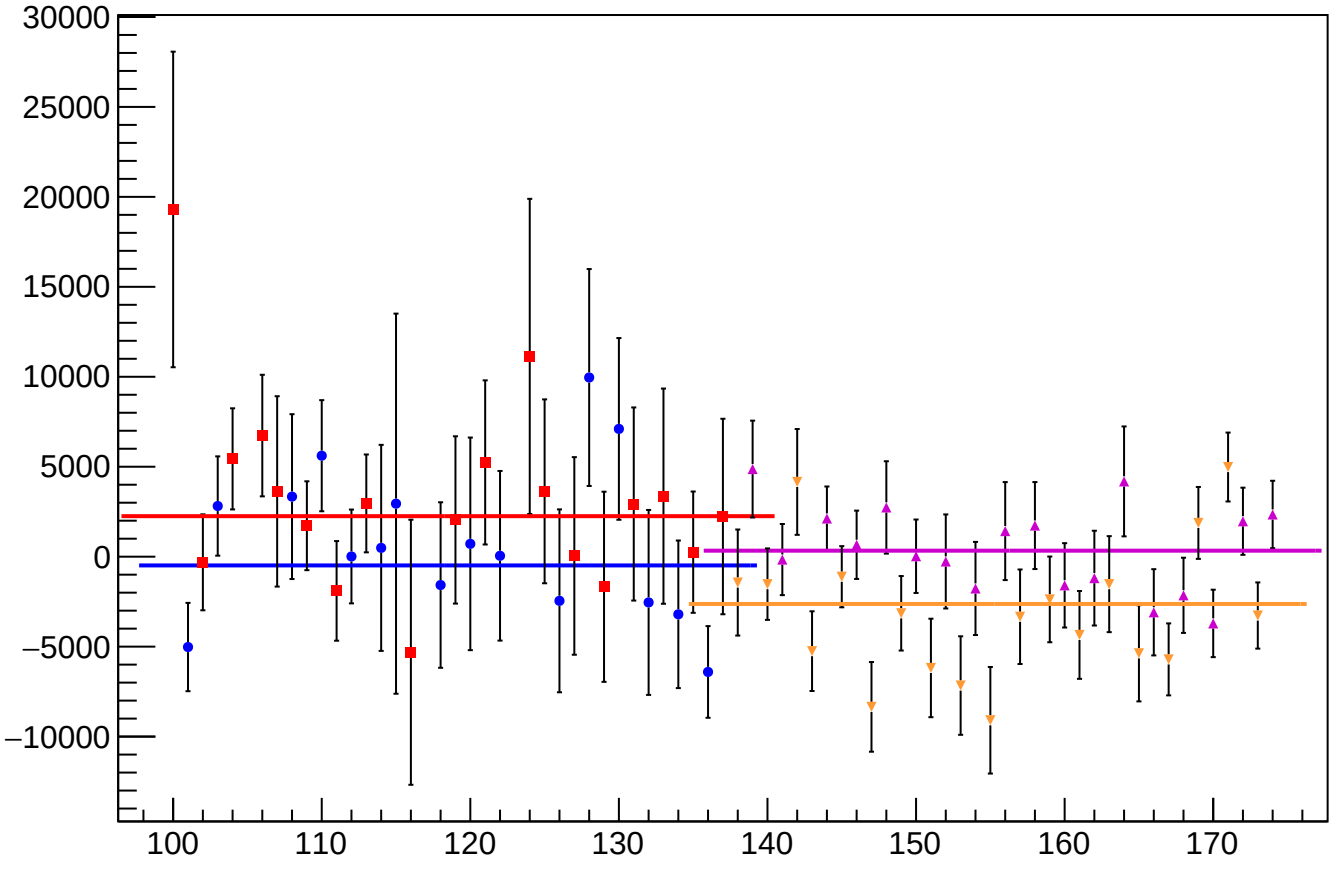
Left: 253.255+/-0.033 χ^2/NDF: 662440.0/36

Right: 237.082+/-0.045 χ^2/NDF: 885319.7/34

In: 248.777+/-0.038 χ^2/NDF:753239.1/33

Out: 246.330+/-0.037 χ^2/NDF:877303.2/37

All: 247.533+/-0.027 χ^2/NDF: 1632668.3/71



Right In: -485.932+/-947.459 χ^2/NDF: 21.1/15

Left Out: -2628.452+/-523.607 χ^2/NDF:47.7/18

Right Out: 2251.898+/-894.171 χ^2/NDF: 13.9/18

Left In: 333.686+/-521.710 χ^2/NDF:18.7/17

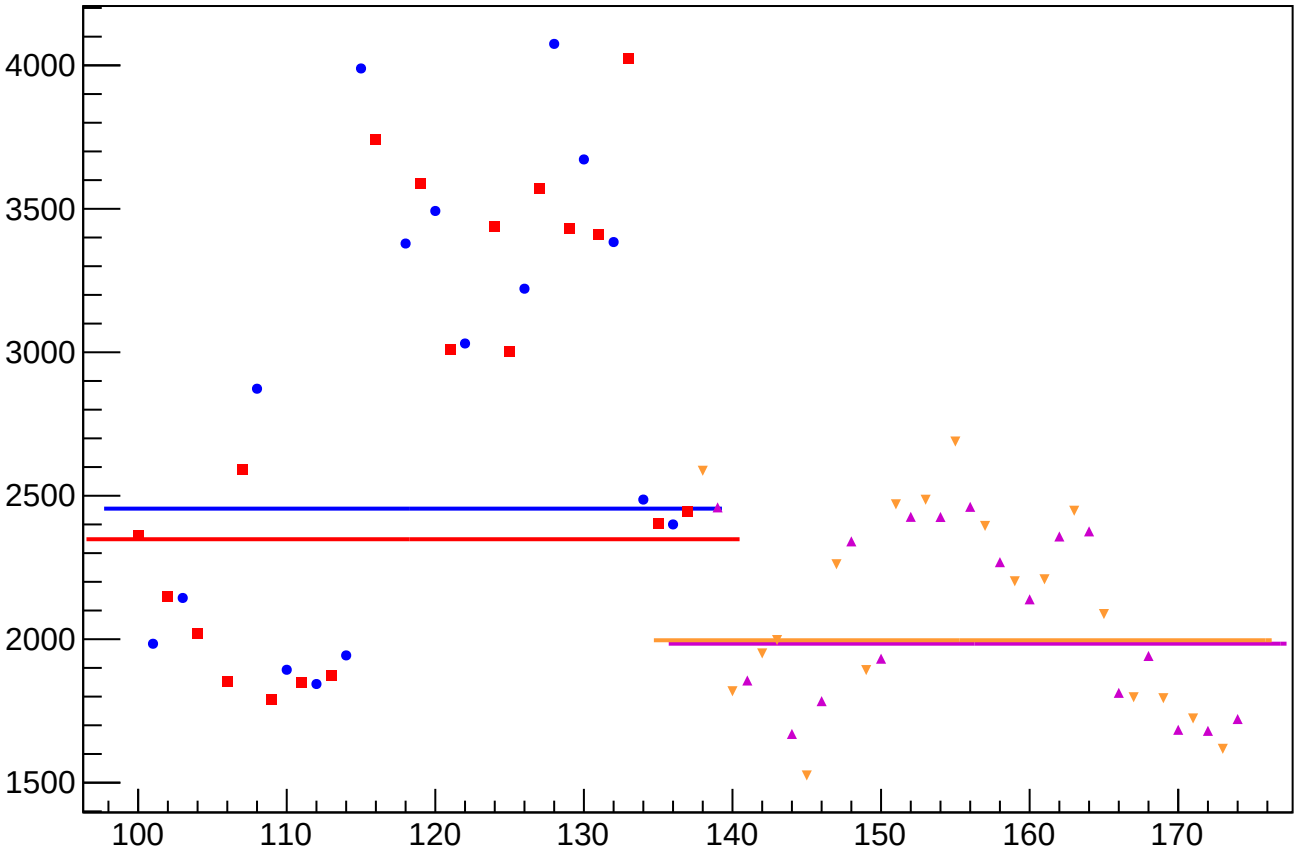
Left: -1142.007+/-369.573 χ^2/NDF: 82.4/36

Right: 962.136+/-650.297 χ^2/NDF: 39.4/34

In: 142.992+/-457.007 χ^2/NDF:40.4/33

Out: -1382.285+/-451.839 χ^2/NDF:83.8/37

All: -628.320+/-321.310 χ^2/NDF: 129.8/71



Right In: 2455.103+/-0.670 χ^2/NDF: 894389.6/15

Left Out: 1996.338+/-0.370 χ^2/NDF:812252.7/18

Right Out: 2348.446+/-0.632 χ^2/NDF: 1052421.6/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.3/17

Left: 1990.356+/-0.261 χ^2/NDF: 1449055.3/36

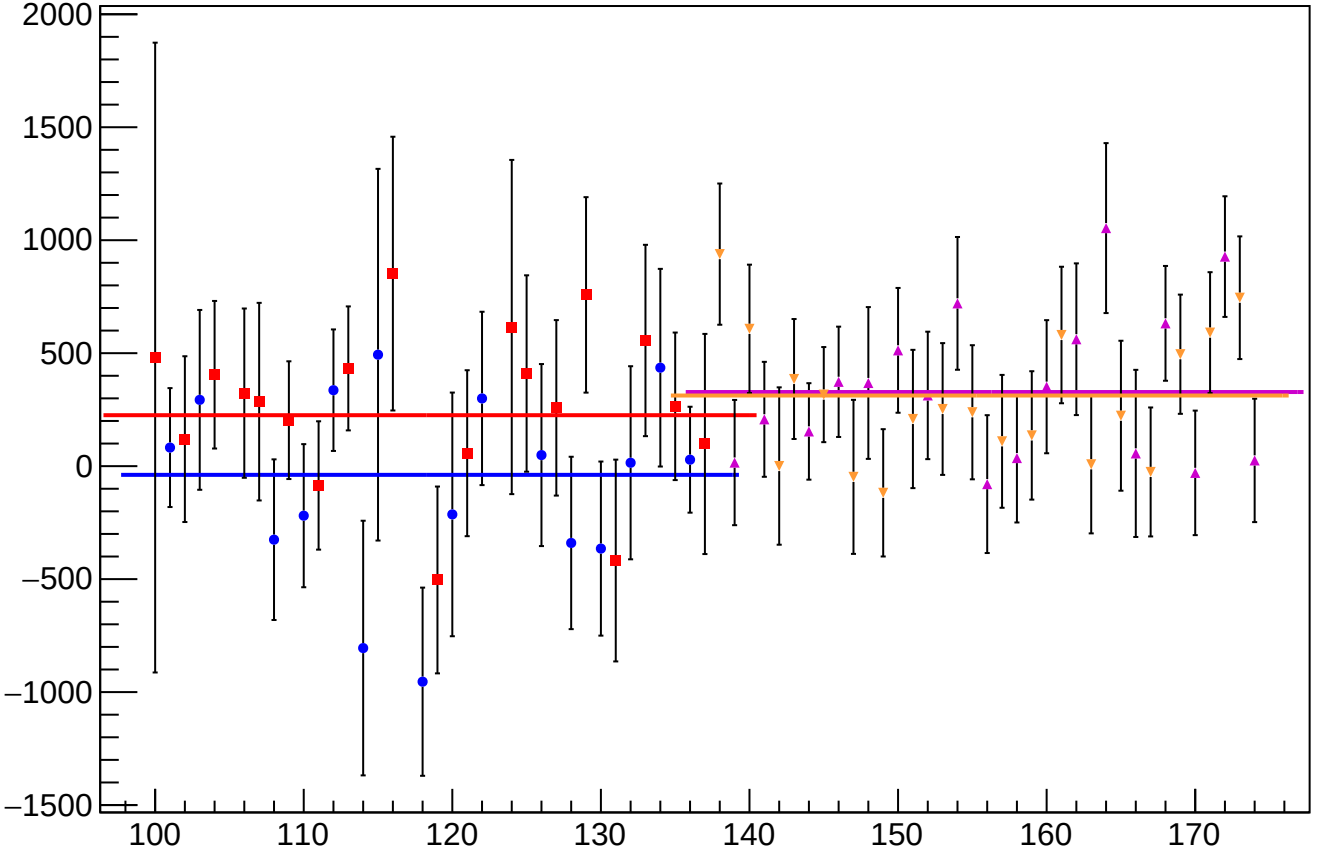
Right: 2398.691+/-0.460 χ^2/NDF: 1960216.3/34

In: 2093.927+/-0.323 χ^2/NDF:1909427.6/33

Out: 2086.247+/-0.319 χ^2/NDF:2095612.5/37

All: 2090.043+/-0.227 χ^2/NDF: 4005325.7/71

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 312.626+/-65.722 χ^2/NDF:17.9/18

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 328.045+/-66.337 χ^2/NDF:21.4/17

Left: 320.264+/-46.688 χ^2/NDF: 39.3/36

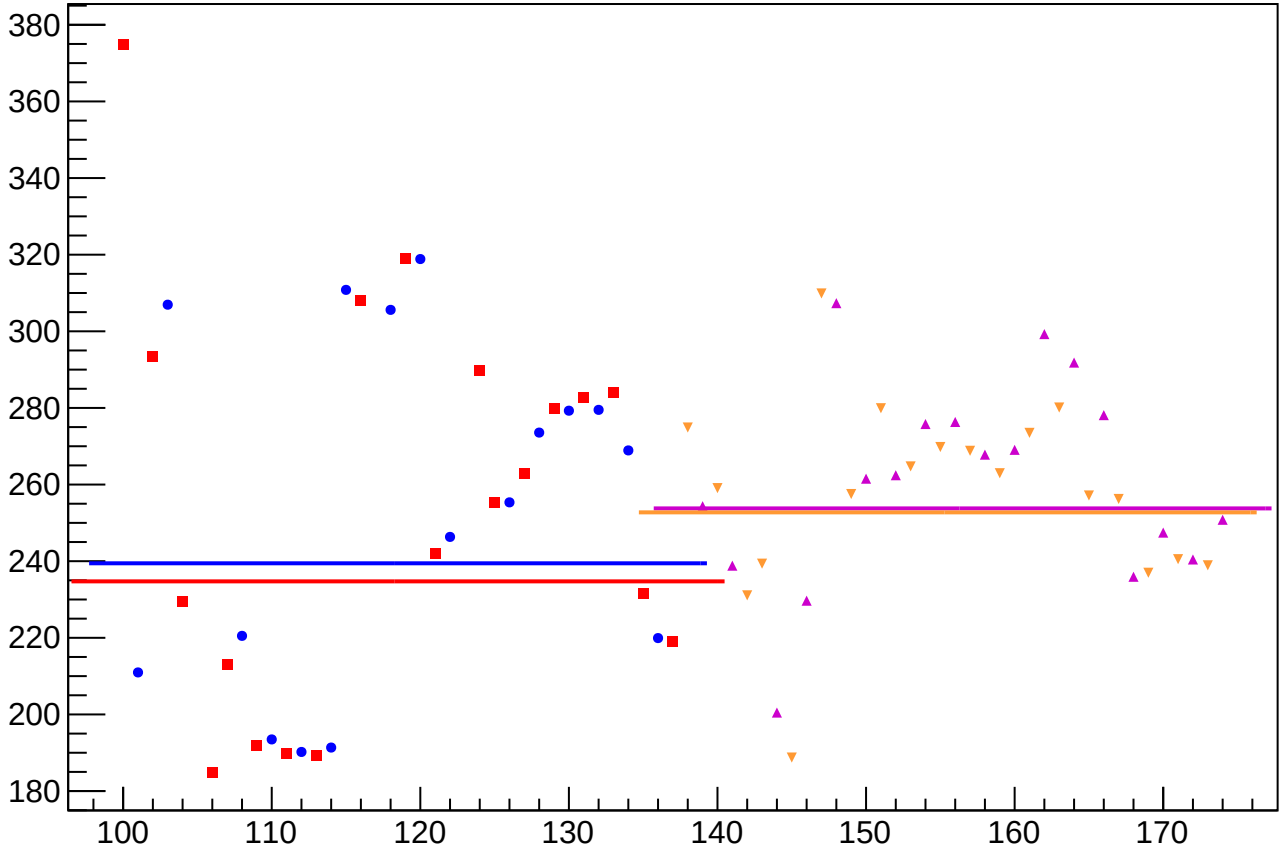
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 200.147+/-53.527 χ^2/NDF:46.5/33

Out: 281.400+/-52.641 χ^2/NDF:29.9/37

All: 241.452+/-37.532 χ^2/NDF: 77.6/71

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

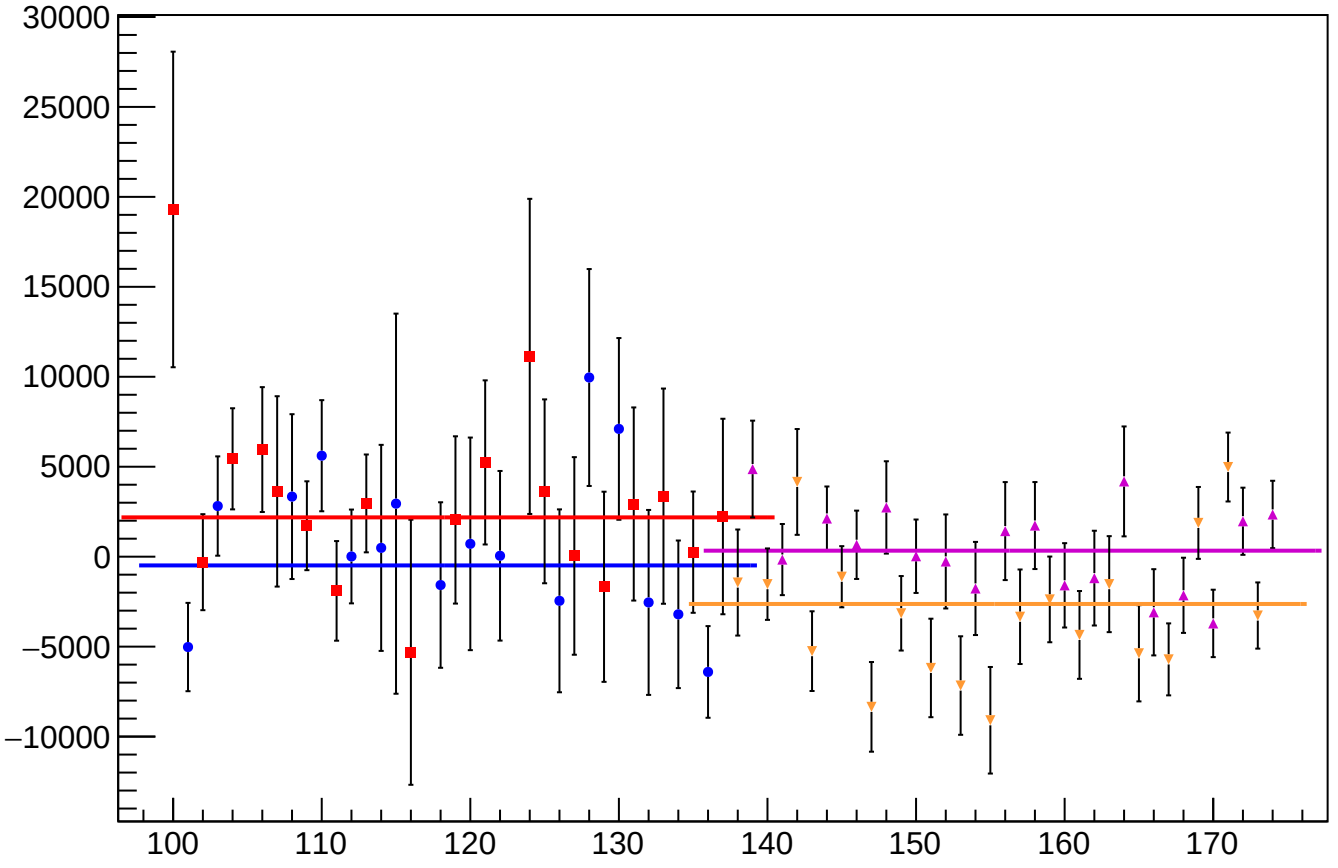
Left: 253.255+/-0.033 χ^2/NDF: 662440.0/36

Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.777+/-0.038 χ^2/NDF:753241.3/33

Out: 246.287+/-0.037 χ^2/NDF:881540.9/37

All: 247.511+/-0.027 χ^2/NDF: 1636982.3/71



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2628.447+/-523.607 χ^2/NDF:47.7/18

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 333.698+/-521.710 χ^2/NDF:18.7/17

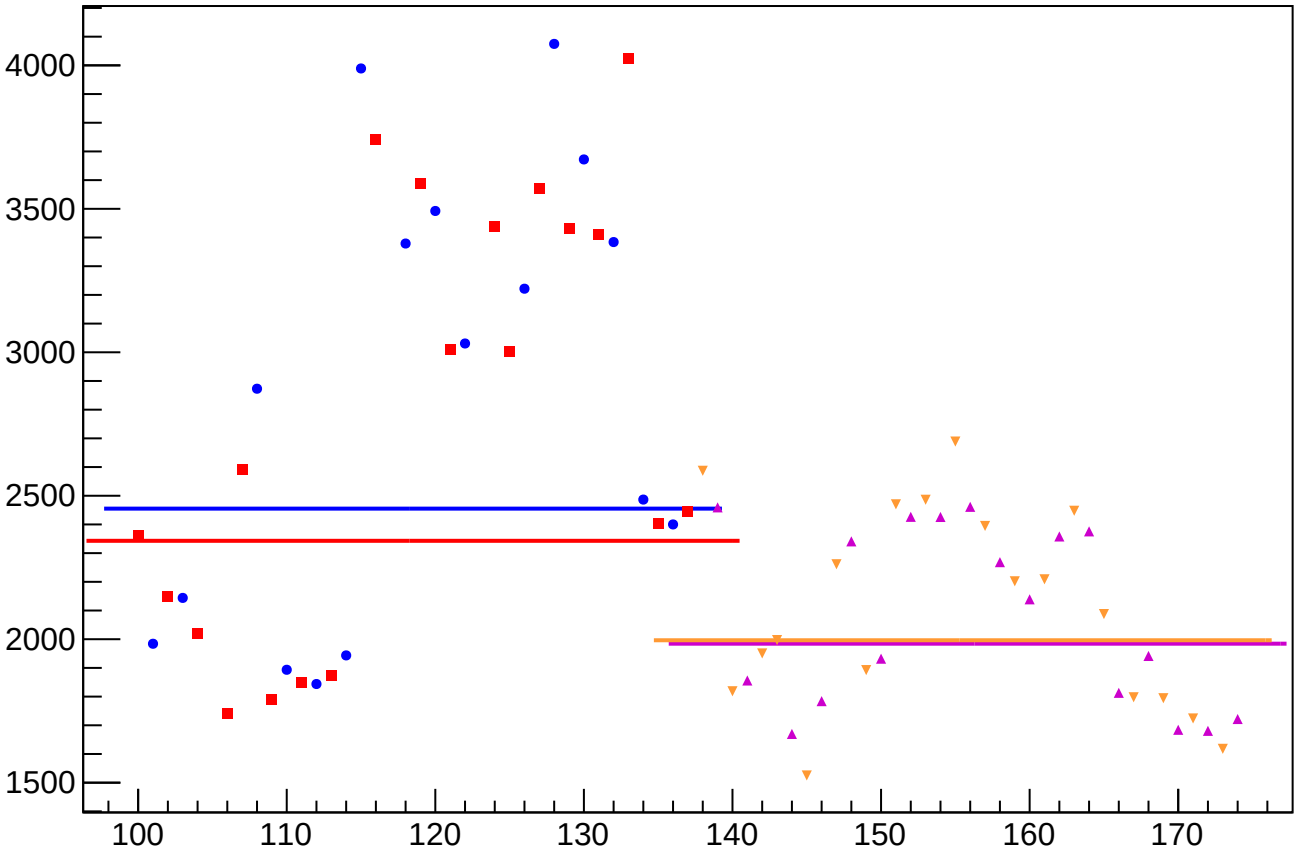
Left: -1141.999+/-369.573 χ^2/NDF: 82.4/36

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 142.964+/-457.008 χ^2/NDF:40.4/33

Out: -1402.862+/-452.056 χ^2/NDF:82.5/37

All: -638.368+/-321.388 χ^2/NDF: 128.6/71



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1996.338+/-0.370 χ^2/NDF:812253.1/18

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

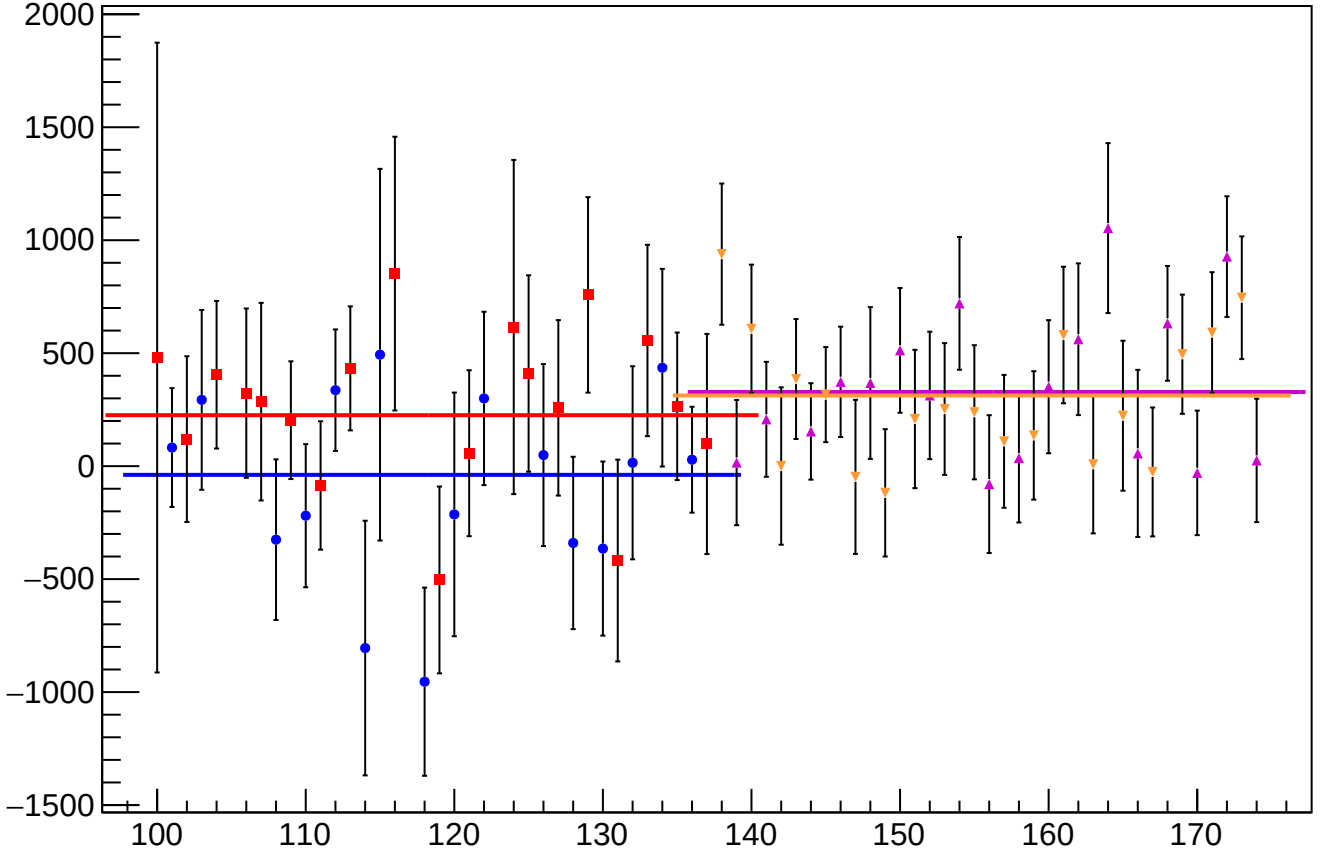
Left: 1990.356+/-0.261 χ^2/NDF: 1449055.8/36

Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.932+/-0.323 χ^2/NDF:1909430.5/33

Out: 2084.596+/-0.320 χ^2/NDF:2105803.3/37

All: 2089.213+/-0.227 χ^2/NDF: 4015655.6/71



Right In: -38.519+/-90.619 χ^2/NDF: 14.5/15

Left Out: 312.626+/-65.722 χ^2/NDF:17.9/18

Right Out: 225.515+/-87.922 χ^2/NDF: 11.4/18

Left In: 328.045+/-66.337 χ^2/NDF:21.4/17

Left: 320.264+/-46.688 χ^2/NDF: 39.3/36

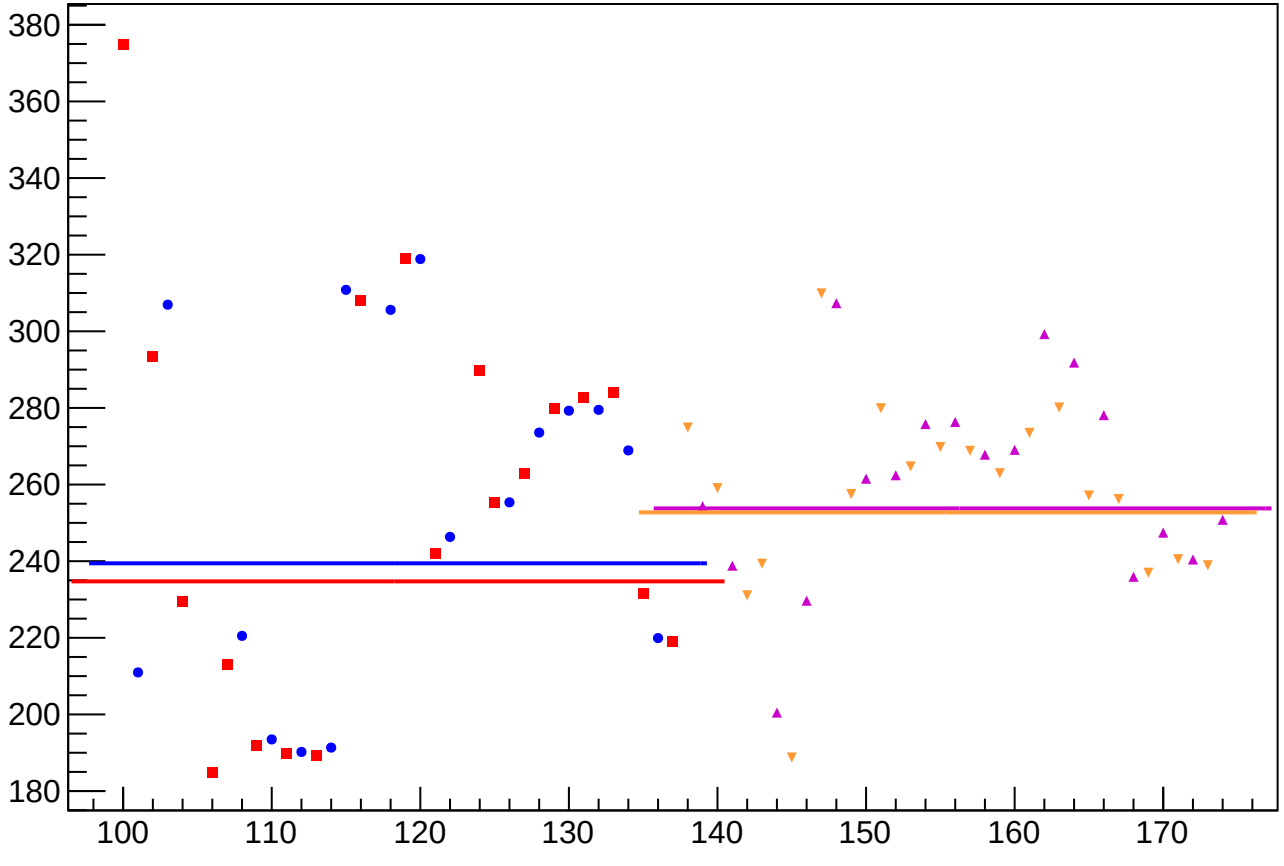
Right: 97.485+/-63.102 χ^2/NDF: 30.3/34

In: 200.147+/-53.527 χ^2/NDF:46.5/33

Out: 281.400+/-52.641 χ^2/NDF:29.9/37

All: 241.452+/-37.532 χ^2/NDF: 77.6/71

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 239.449+/-0.064 χ^2/NDF: 400958.1/15

Left Out: 252.743+/-0.046 χ^2/NDF:342461.8/18

Right Out: 234.733+/-0.062 χ^2/NDF: 485238.4/18

Left In: 253.776+/-0.047 χ^2/NDF:319733.6/17

Left: 253.255+/-0.033 χ^2/NDF: 662440.0/36

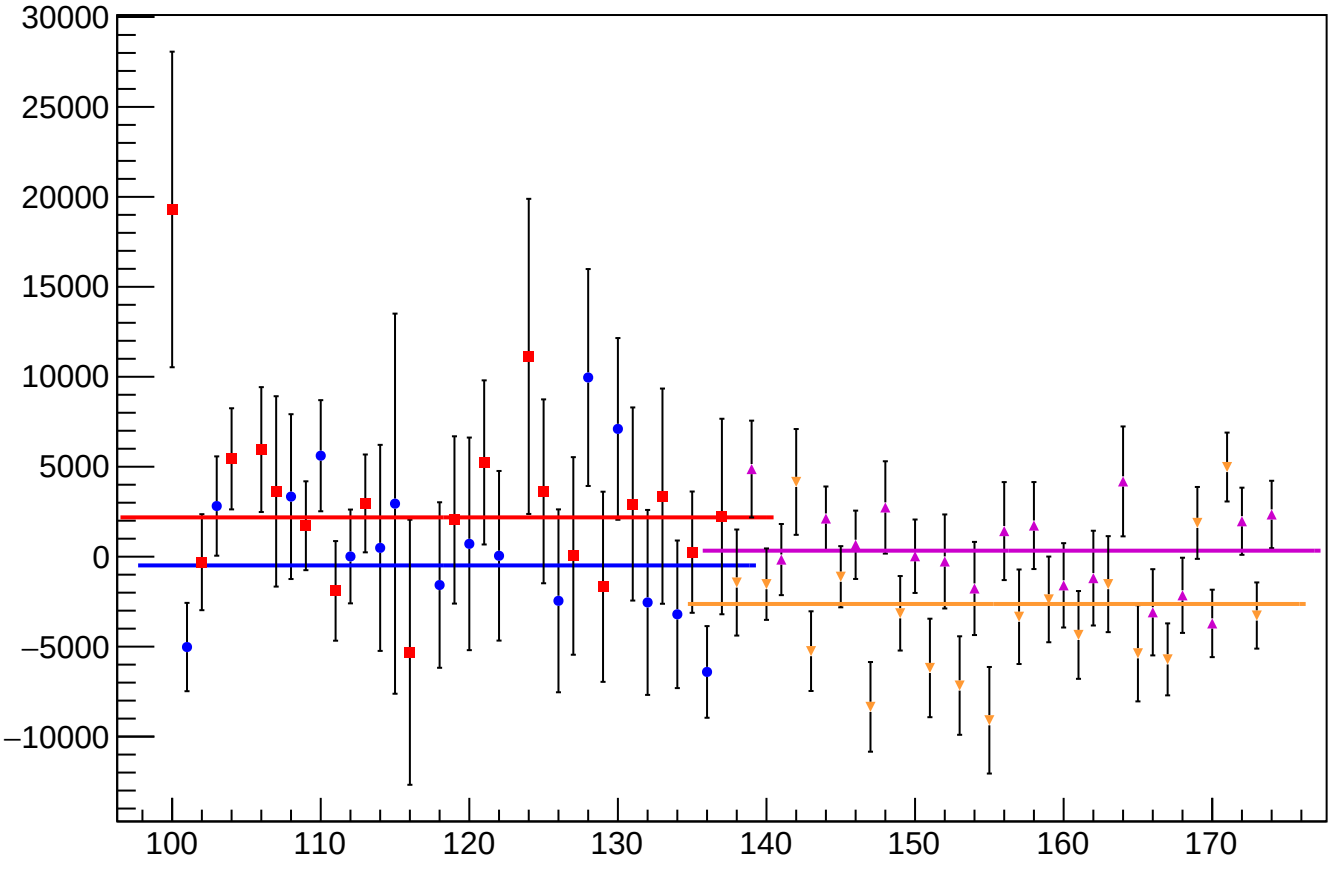
Right: 237.020+/-0.045 χ^2/NDF: 888987.0/34

In: 248.777+/-0.038 χ^2/NDF:753241.3/33

Out: 246.287+/-0.037 χ^2/NDF:881540.9/37

All: 247.511+/-0.027 χ^2/NDF: 1636982.3/71

asym_sam4_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -486.103+/-947.467 χ^2/NDF: 21.1/15

Left Out: -2628.447+/-523.607 χ^2/NDF:47.7/18

Right Out: 2184.834+/-895.863 χ^2/NDF: 13.3/18

Left In: 333.698+/-521.710 χ^2/NDF:18.7/17

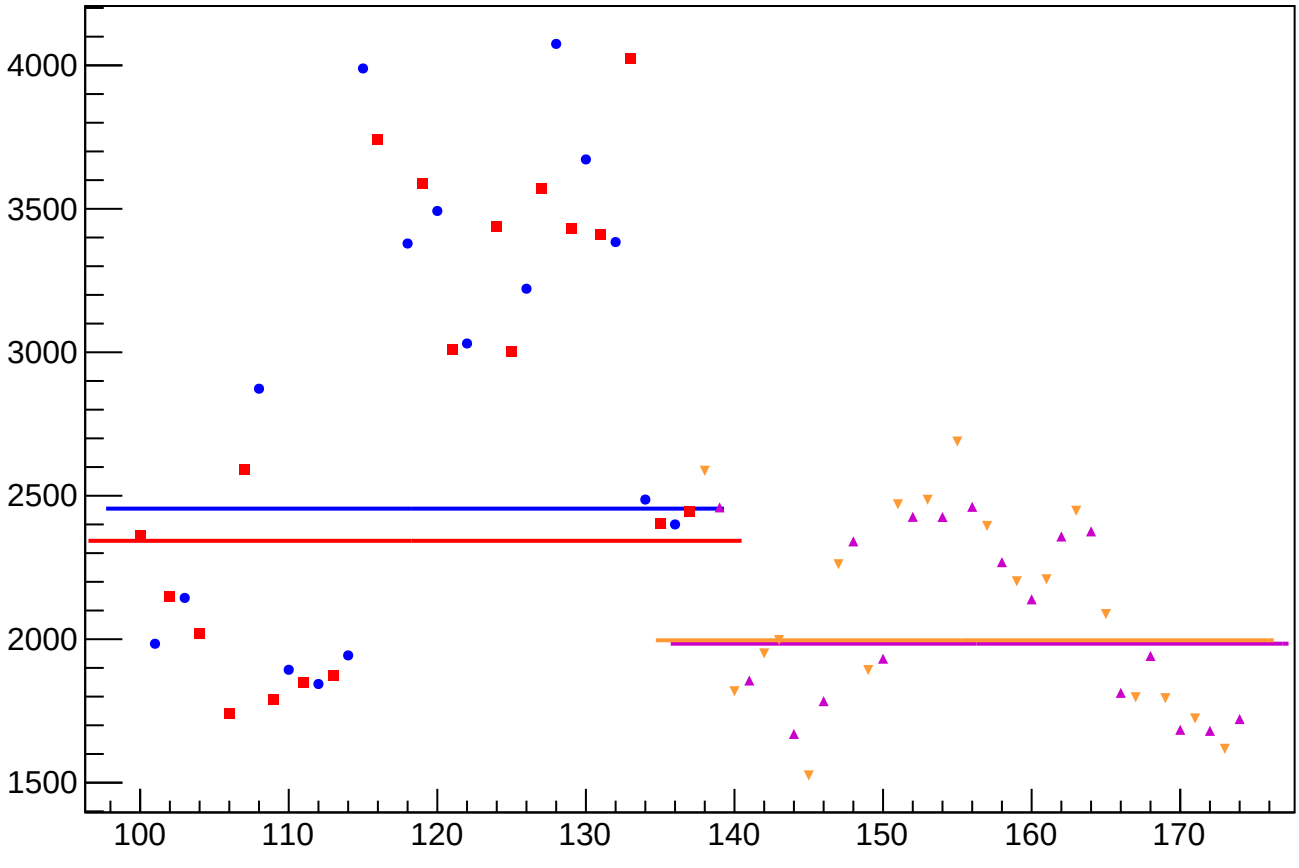
Left: -1141.999+/-369.573 χ^2/NDF: 82.4/36

Right: 924.081+/-650.950 χ^2/NDF: 38.6/34

In: 142.964+/-457.008 χ^2/NDF:40.4/33

Out: -1402.862+/-452.056 χ^2/NDF:82.5/37

All: -638.368+/-321.388 χ^2/NDF: 128.6/71



Right In: 2455.127+/-0.670 χ^2/NDF: 894358.3/15

Left Out: 1996.338+/-0.370 χ^2/NDF:812253.1/18

Right Out: 2342.955+/-0.633 χ^2/NDF: 1070387.8/18

Left In: 1984.417+/-0.369 χ^2/NDF:636282.5/17

Left: 1990.356+/-0.261 χ^2/NDF: 1449055.8/36

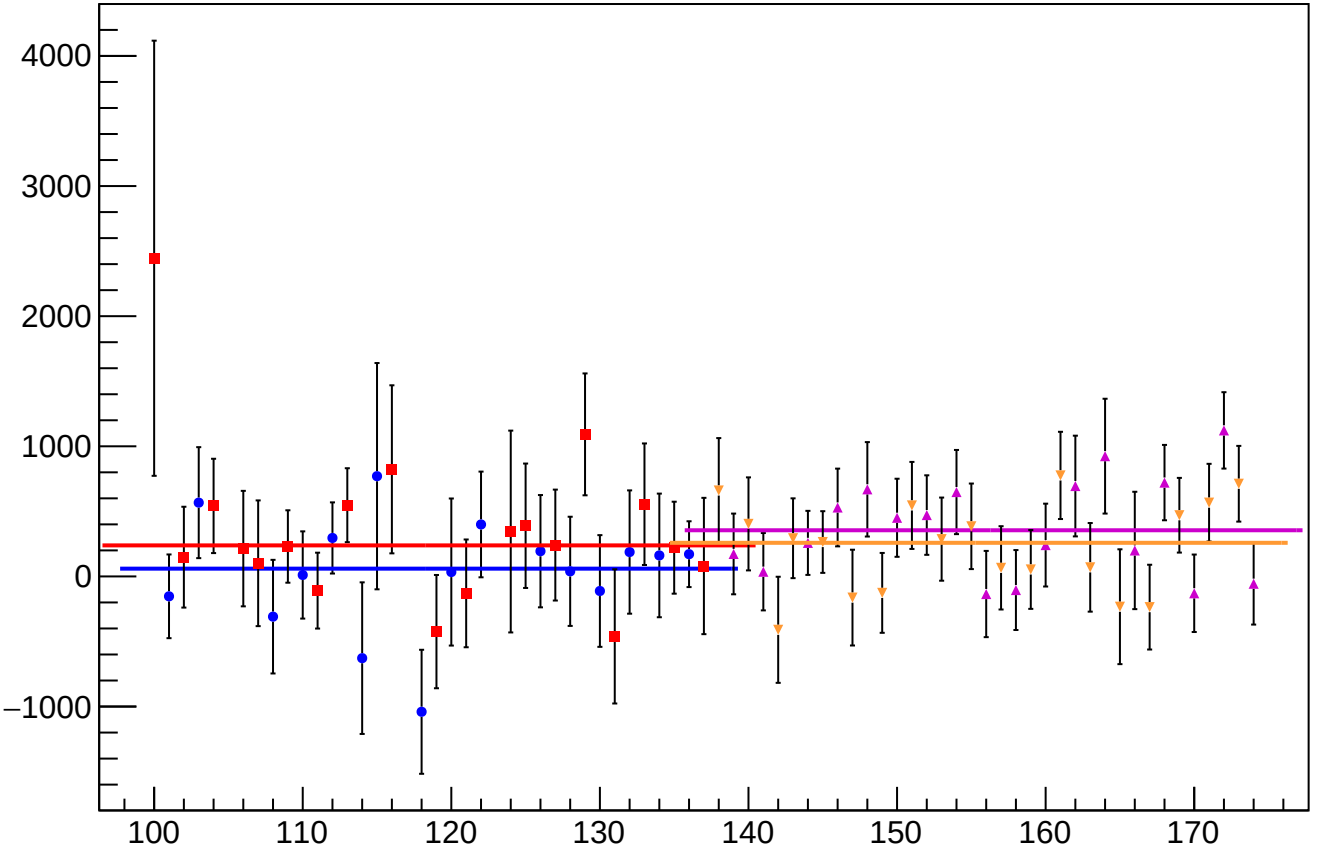
Right: 2395.904+/-0.460 χ^2/NDF: 1979546.8/34

In: 2093.932+/-0.323 χ^2/NDF:1909430.5/33

Out: 2084.596+/-0.320 χ^2/NDF:2105803.3/37

All: 2089.213+/-0.227 χ^2/NDF: 4015655.6/71

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 59.728+/-99.230 χ^2/NDF: 12.0/15

Left Out: 258.302+/-74.050 χ^2/NDF:18.7/18

Right Out: 238.516+/-95.062 χ^2/NDF: 14.9/18

Left In: 354.751+/-74.605 χ^2/NDF:23.7/17

Left: 306.166+/-52.556 χ^2/NDF: 43.3/36

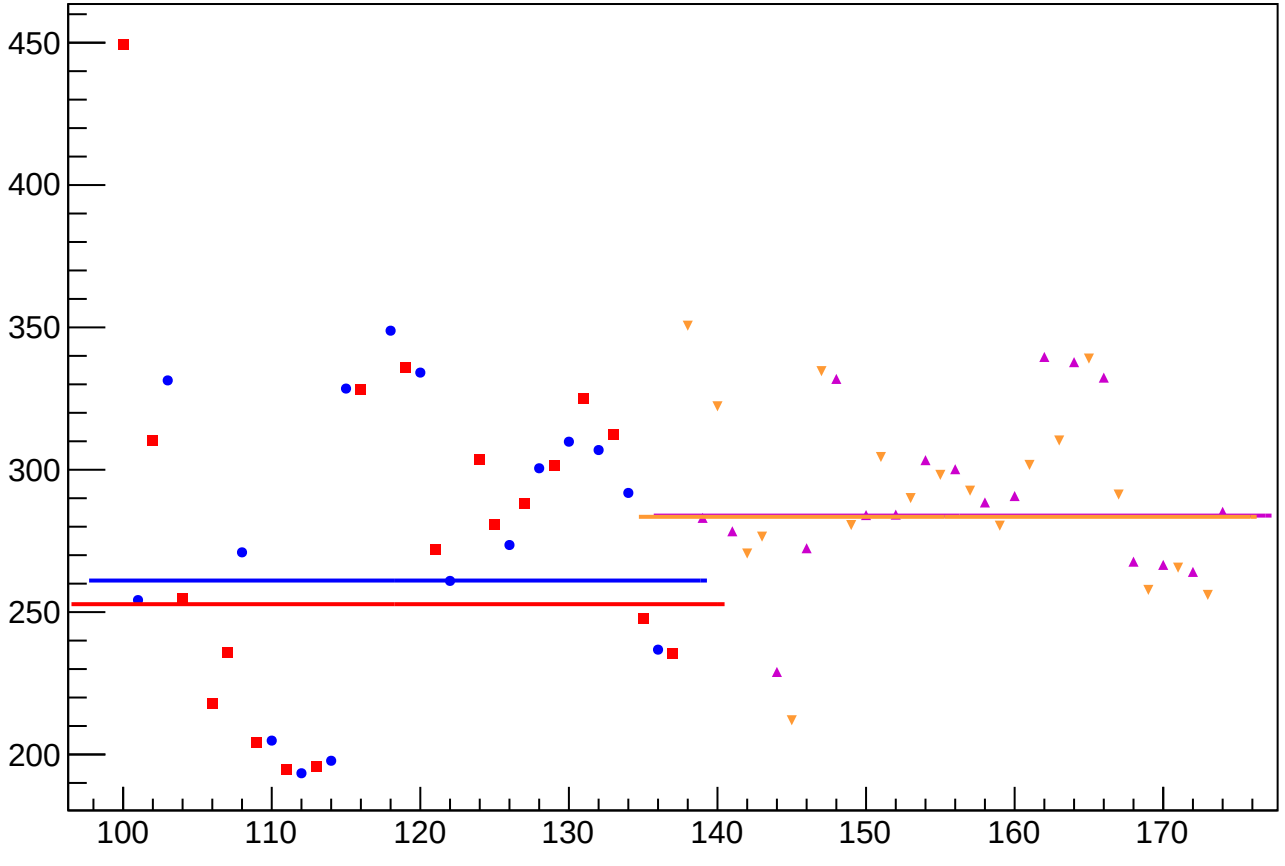
Right: 152.955+/-68.645 χ^2/NDF: 28.6/34

In: 248.209+/-59.631 χ^2/NDF:41.4/33

Out: 250.830+/-58.418 χ^2/NDF:33.7/37

All: 249.546+/-41.730 χ^2/NDF: 75.1/71

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462662.2/15

Left Out: 283.474+/-0.052 χ^2/NDF:409626.4/18

Right Out: 252.787+/-0.067 χ^2/NDF: 537290.6/18

Left In: 283.898+/-0.053 χ^2/NDF:268234.8/17

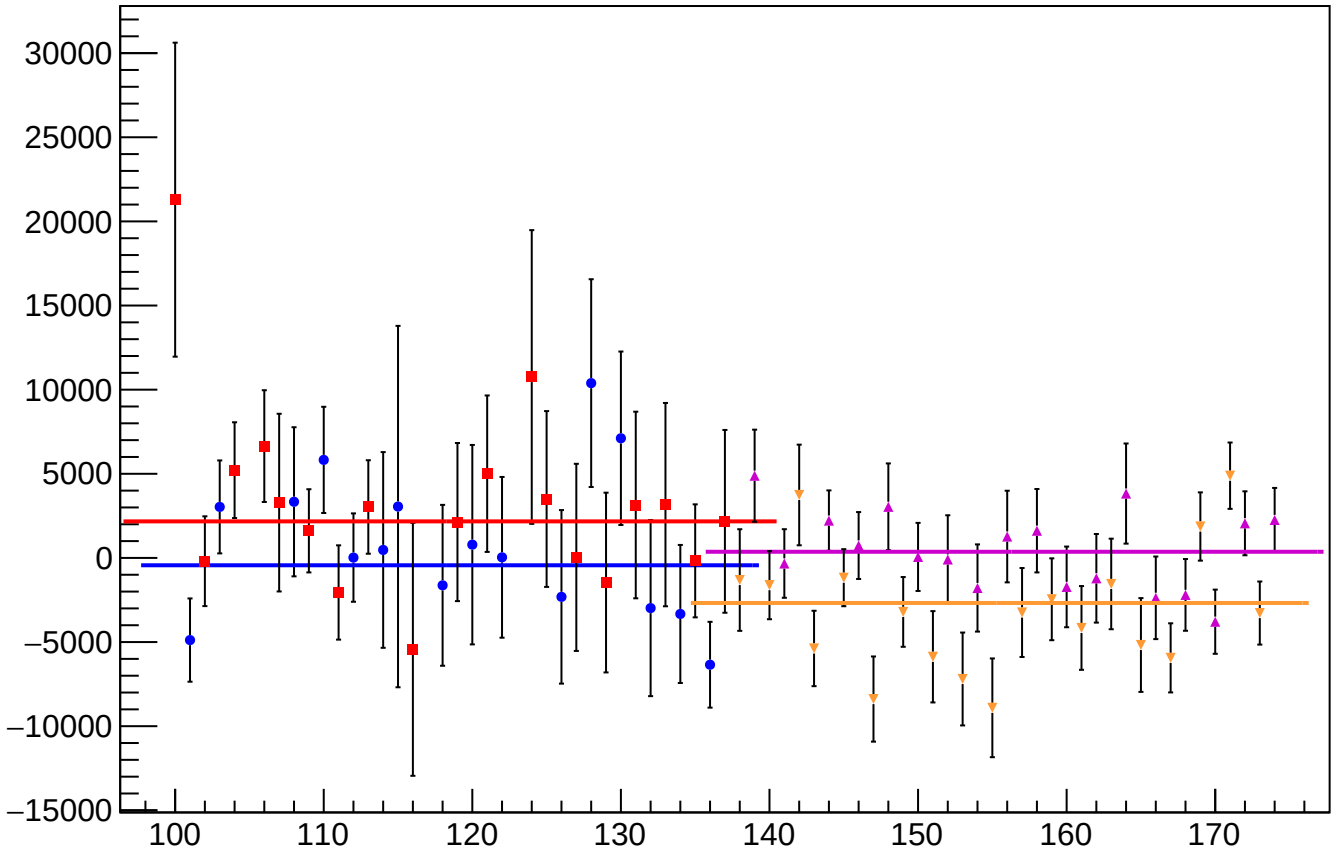
Left: 283.684+/-0.037 χ^2/NDF: 677893.7/36

Right: 256.760+/-0.049 χ^2/NDF: 1007252.4/34

In: 275.661+/-0.042 χ^2/NDF:798407.3/33

Out: 271.885+/-0.041 χ^2/NDF:1076624.0/37

All: 273.734+/-0.030 χ^2/NDF: 1879122.1/71



Right In: -436.732+/-955.134 χ^2/NDF: 21.2/15

Left Out: -2677.124+/-531.006 χ^2/NDF:44.8/18

Right Out: 2172.091+/-901.102 χ^2/NDF: 14.0/18

Left In: 365.977+/-529.317 χ^2/NDF:17.8/17

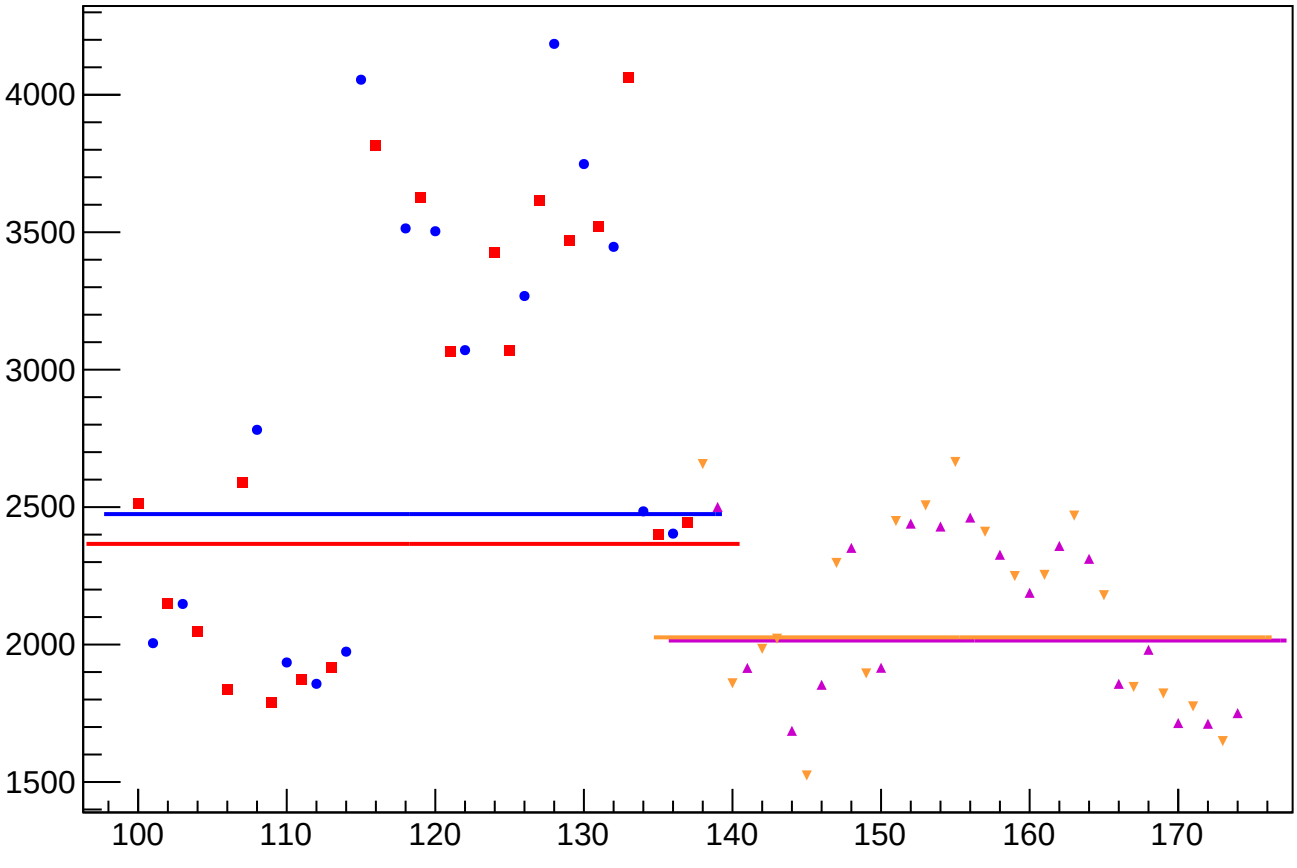
Left: -1150.728+/-374.879 χ^2/NDF: 79.1/36

Right: 943.553+/-655.445 χ^2/NDF: 39.1/34

In: 177.374+/-462.977 χ^2/NDF:39.6/33

Out: -1427.234+/-457.482 χ^2/NDF:80.3/37

All: -634.508+/-325.414 χ^2/NDF: 125.9/71



Right In: 2474.622+/-0.675 χ^2/NDF: 916250.9/15

Left Out: 2026.211+/-0.375 χ^2/NDF:796745.4/18

Right Out: 2366.221+/-0.637 χ^2/NDF: 1077175.3/18

Left In: 2014.661+/-0.374 χ^2/NDF:588353.4/17

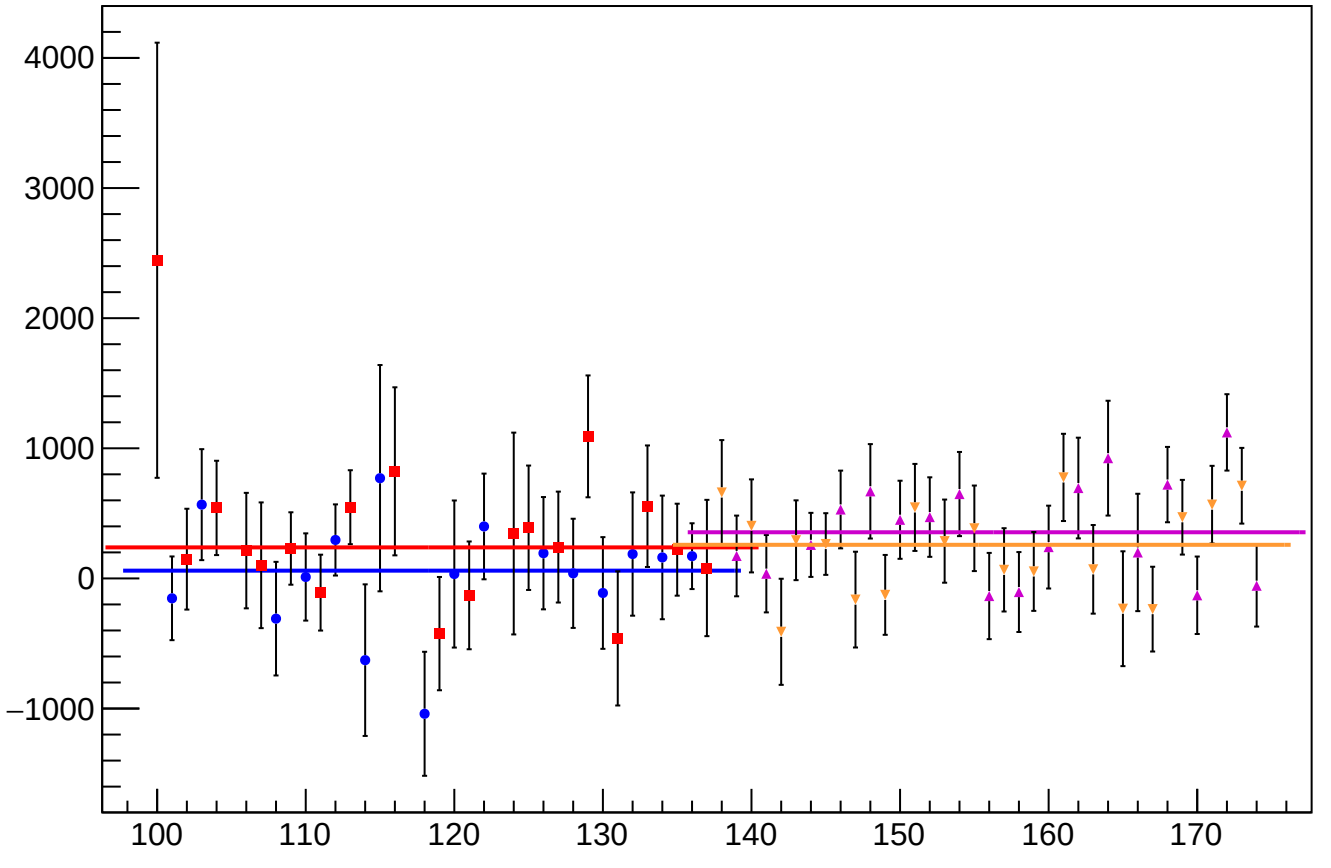
Left: 2020.418+/-0.265 χ^2/NDF: 1385573.4/36

Right: 2417.269+/-0.463 χ^2/NDF: 2007056.0/34

In: 2122.733+/-0.327 χ^2/NDF:1859440.7/33

Out: 2113.849+/-0.323 χ^2/NDF:2085277.5/37

All: 2118.238+/-0.230 χ^2/NDF: 3945090.8/71



Right In: 59.734+/-99.230 χ^2/NDF: 12.0/15

Left Out: 258.307+/-74.050 χ^2/NDF:18.7/18

Right Out: 238.515+/-95.062 χ^2/NDF: 14.9/18

Left In: 354.752+/-74.605 χ^2/NDF:23.7/17

Left: 306.169+/-52.556 χ^2/NDF: 43.3/36

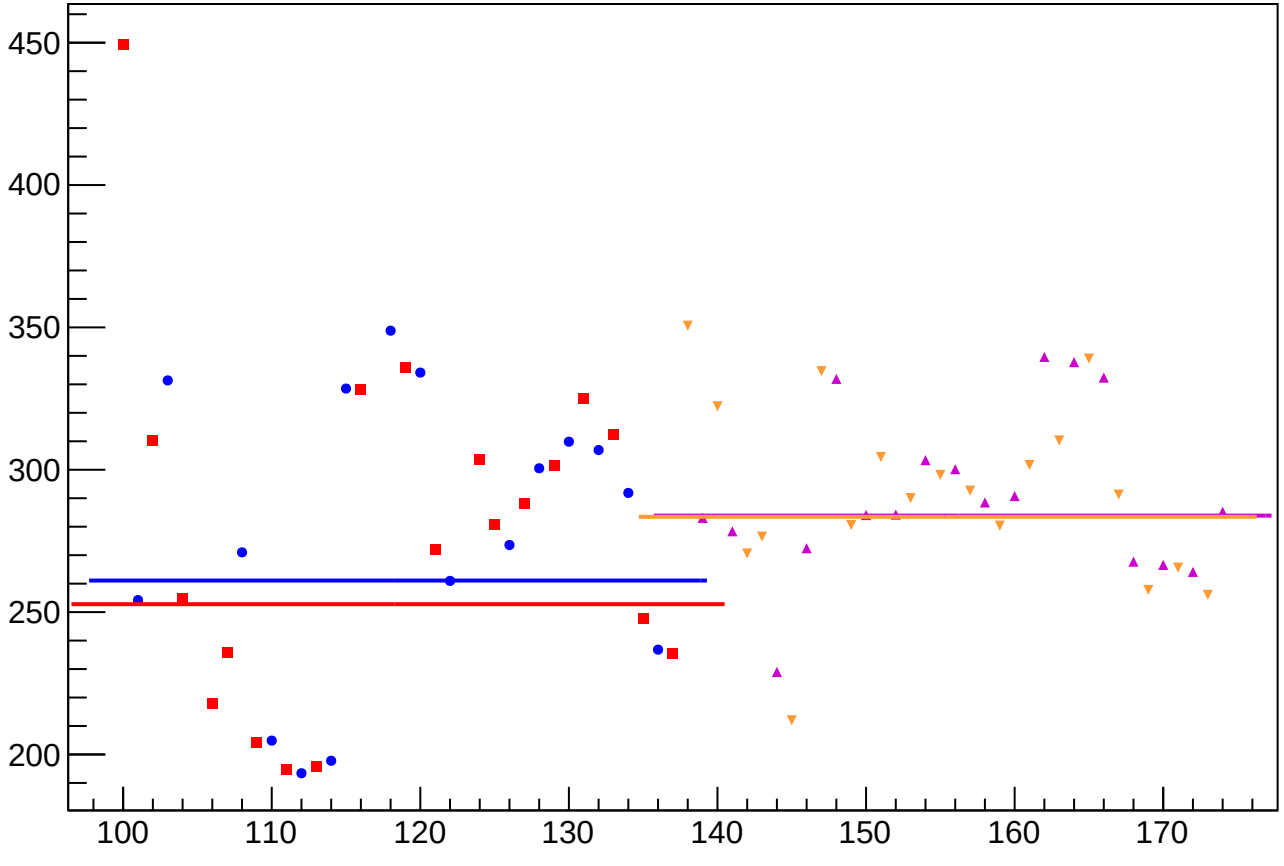
Right: 152.957+/-68.645 χ^2/NDF: 28.6/34

In: 248.211+/-59.631 χ^2/NDF:41.4/33

Out: 250.833+/-58.418 χ^2/NDF:33.7/37

All: 249.549+/-41.730 χ^2/NDF: 75.1/71

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 261.089+/-0.070 χ^2/NDF: 462665.3/15

Left Out: 283.474+/-0.052 χ^2/NDF:409624.0/18

Right Out: 252.787+/-0.067 χ^2/NDF: 537293.8/18

Left In: 283.898+/-0.053 χ^2/NDF:268234.0/17

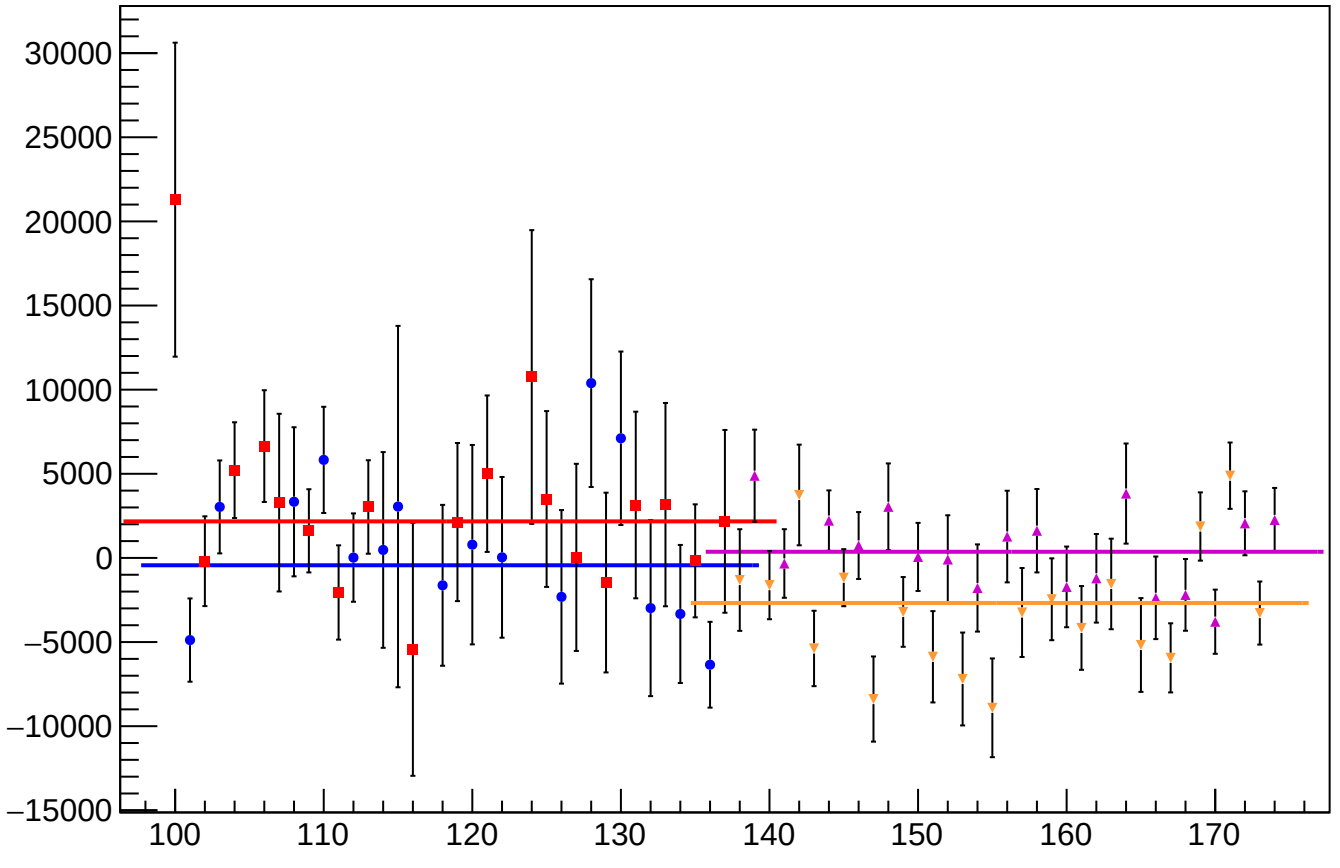
Left: 283.685+/-0.037 χ^2/NDF: 677890.5/36

Right: 256.760+/-0.049 χ^2/NDF: 1007258.7/34

In: 275.661+/-0.042 χ^2/NDF:798411.0/33

Out: 271.886+/-0.041 χ^2/NDF:1076628.3/37

All: 273.735+/-0.030 χ^2/NDF: 1879130.1/71



Right In: -436.731+/-955.133 χ^2/NDF: 21.2/15

Left Out: -2677.119+/-531.005 χ^2/NDF:44.8/18

Right Out: 2172.089+/-901.101 χ^2/NDF: 14.0/18

Left In: 365.974+/-529.317 χ^2/NDF:17.8/17

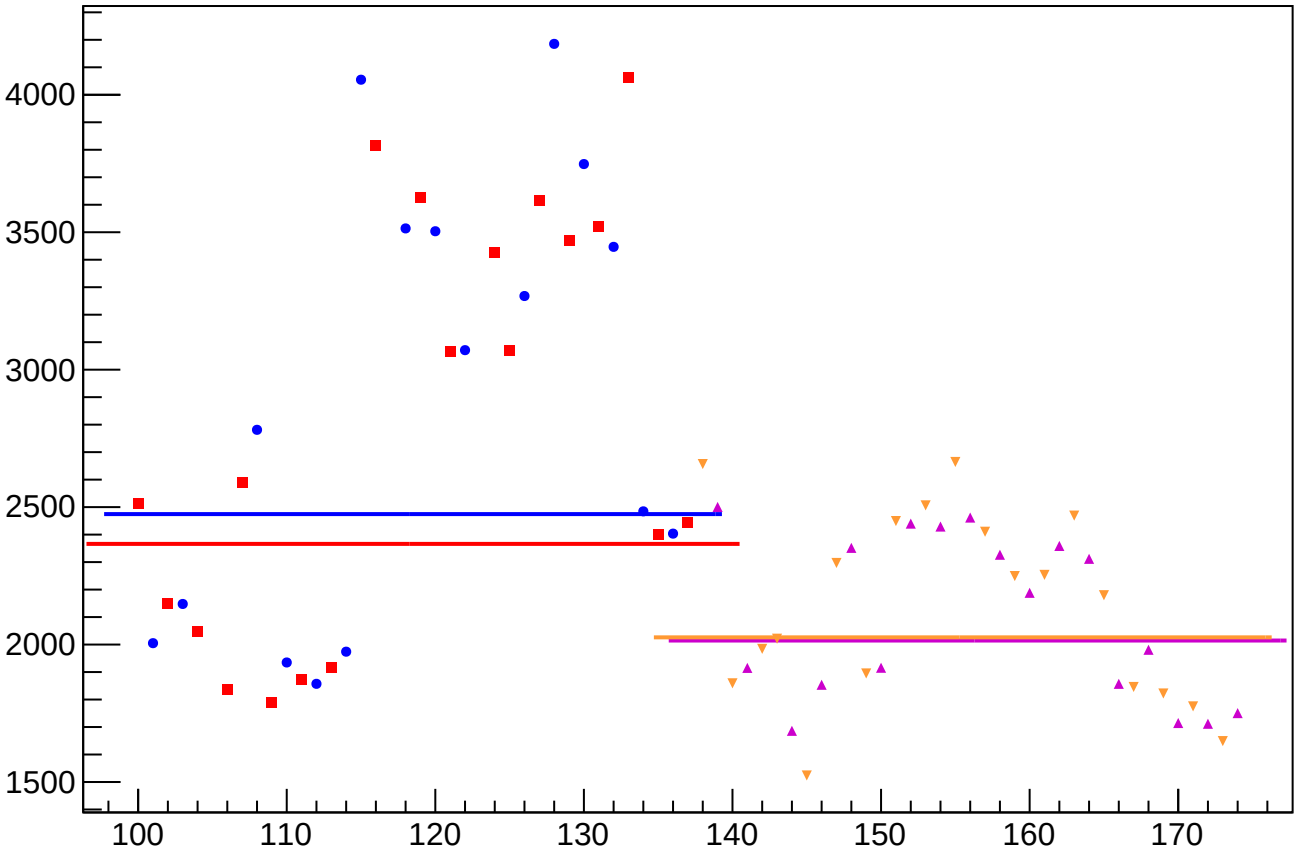
Left: -1150.727+/-374.879 χ^2/NDF: 79.1/36

Right: 943.553+/-655.444 χ^2/NDF: 39.1/34

In: 177.373+/-462.976 χ^2/NDF:39.6/33

Out: -1427.232+/-457.482 χ^2/NDF:80.3/37

All: -634.508+/-325.414 χ^2/NDF: 125.9/71



Right In: 2474.620+/-0.675 χ^2/NDF: 916254.1/15

Left Out: 2026.208+/-0.375 χ^2/NDF:796749.2/18

Right Out: 2366.219+/-0.637 χ^2/NDF: 1077177.7/18

Left In: 2014.659+/-0.374 χ^2/NDF:588354.3/17

Left: 2020.415+/-0.265 χ^2/NDF: 1385578.1/36

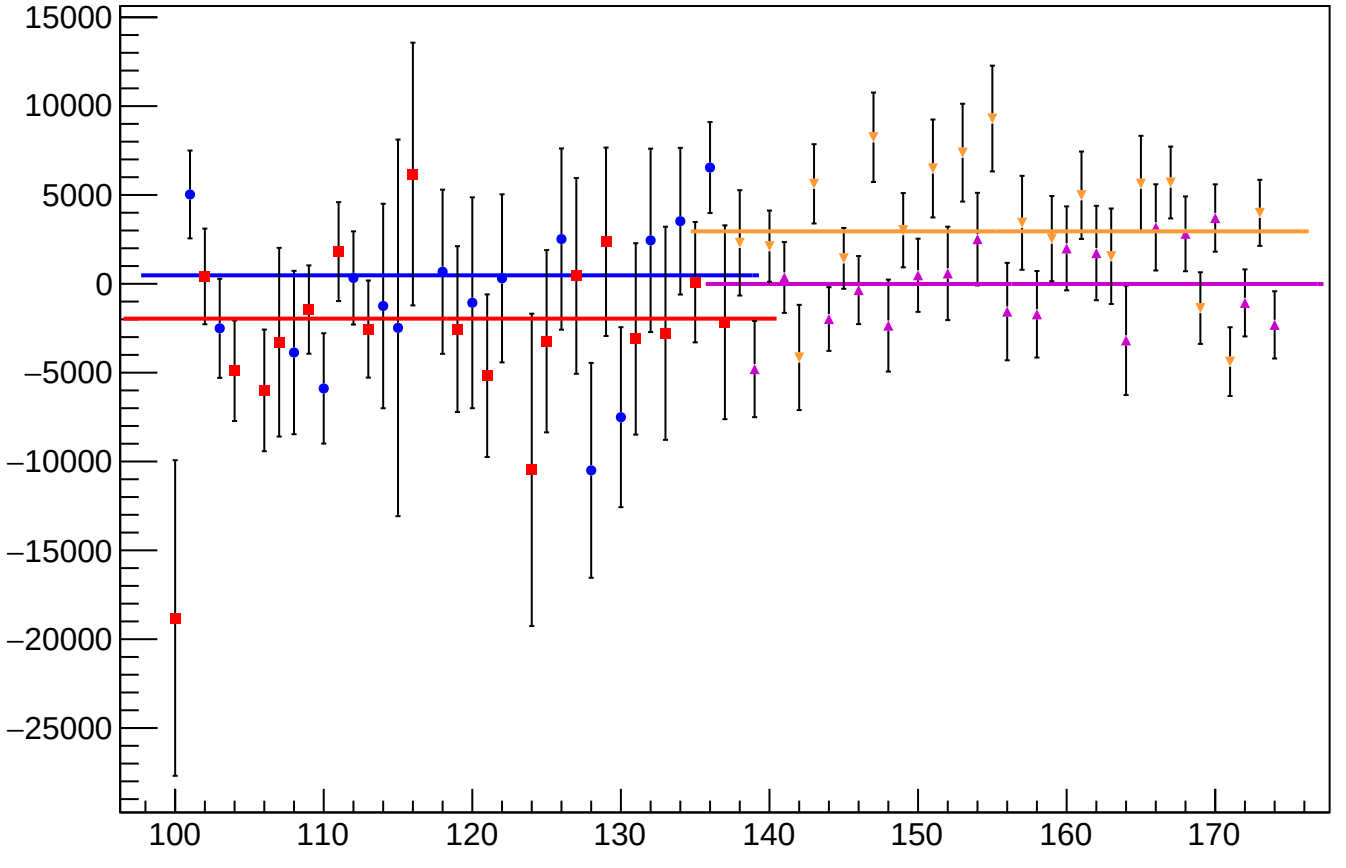
Right: 2417.267+/-0.463 χ^2/NDF: 2007061.7/34

In: 2122.730+/-0.327 χ^2/NDF:1859446.6/33

Out: 2113.847+/-0.323 χ^2/NDF:2085284.9/37

All: 2118.235+/-0.230 χ^2/NDF: 3945104.0/71

asym_sam4_mean vs Slug, Sign Corrected



Right In: 477.284+/-952.752 χ^2/NDF: 22.1/15

Left Out: 2953.458+/-527.990 χ^2/NDF:44.5/18

Right Out: -1959.491+/-899.702 χ^2/NDF: 12.8/18

Left In: -9.118+/-526.178 χ^2/NDF:18.5/17

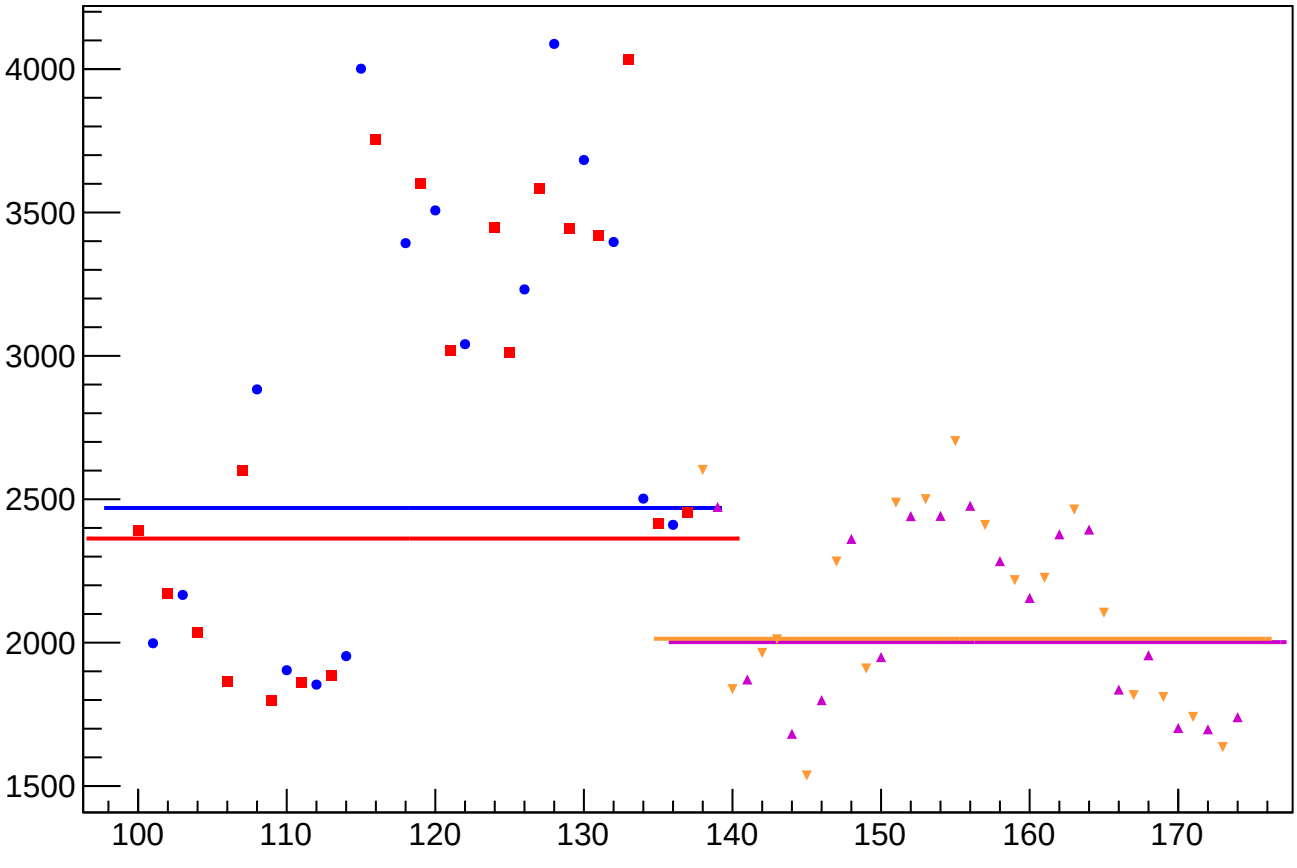
Left: 1467.076+/-372.703 χ^2/NDF: 78.8/36

Right: -810.830+/-654.136 χ^2/NDF: 38.4/34

In: 104.563+/-460.603 χ^2/NDF:40.8/33

Out: 1694.908+/-455.368 χ^2/NDF:79.5/37

All: 908.823+/-323.829 χ^2/NDF: 126.4/71



Right In: 2469.639+/-0.674 χ^2/NDF: 886179.0/15

Left Out: 2013.540+/-0.373 χ^2/NDF:800952.3/18

Right Out: 2363.052+/-0.636 χ^2/NDF: 1043344.3/18

Left In: 2001.820+/-0.372 χ^2/NDF:626619.7/17

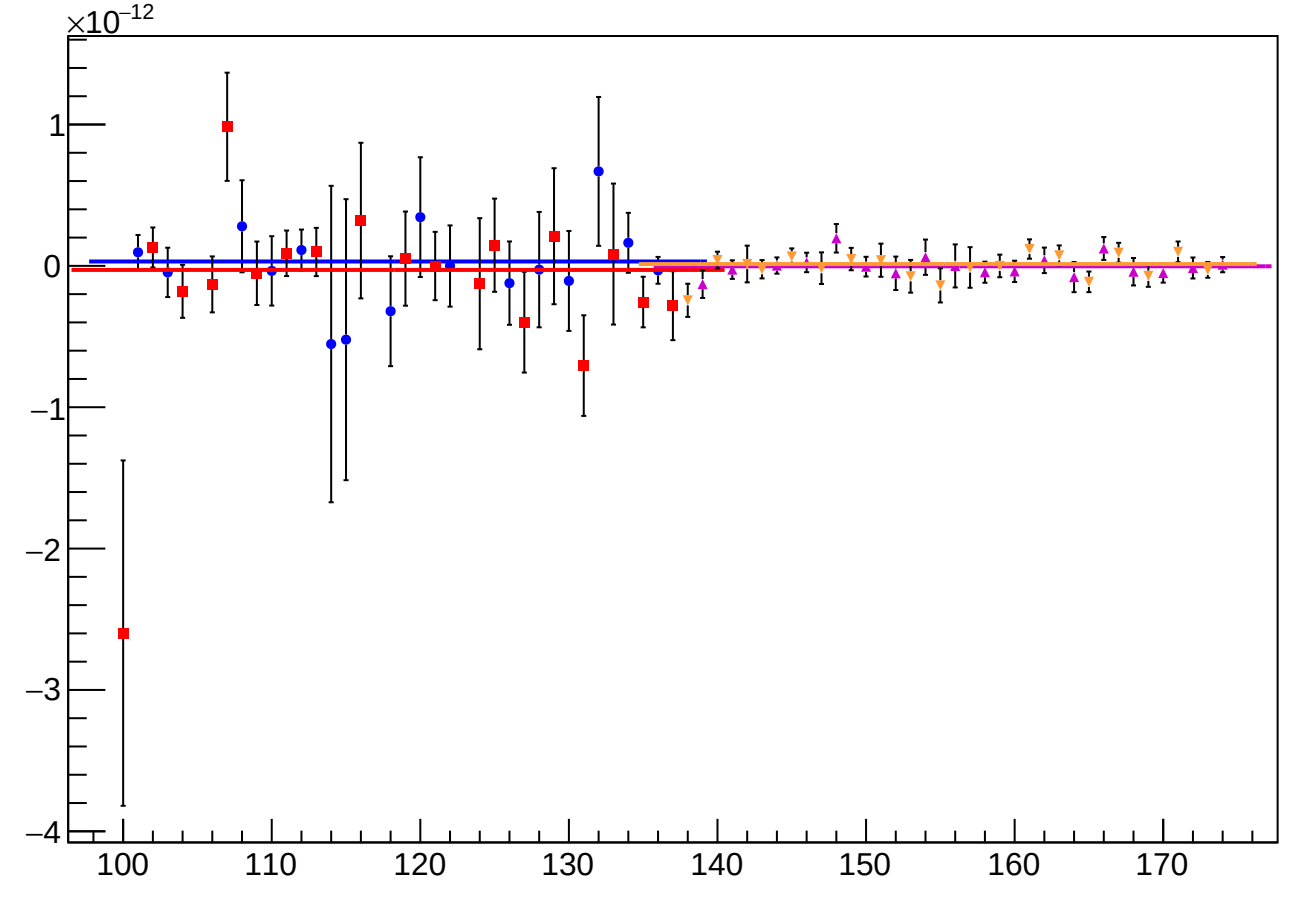
Left: 2007.660+/-0.264 χ^2/NDF: 1428066.4/36

Right: 2413.296+/-0.463 χ^2/NDF: 1942755.0/34

In: 2111.158+/-0.326 χ^2/NDF:1882298.1/33

Out: 2103.074+/-0.322 χ^2/NDF:2068805.0/37

All: 2107.070+/-0.229 χ^2/NDF: 3951414.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 6.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/17

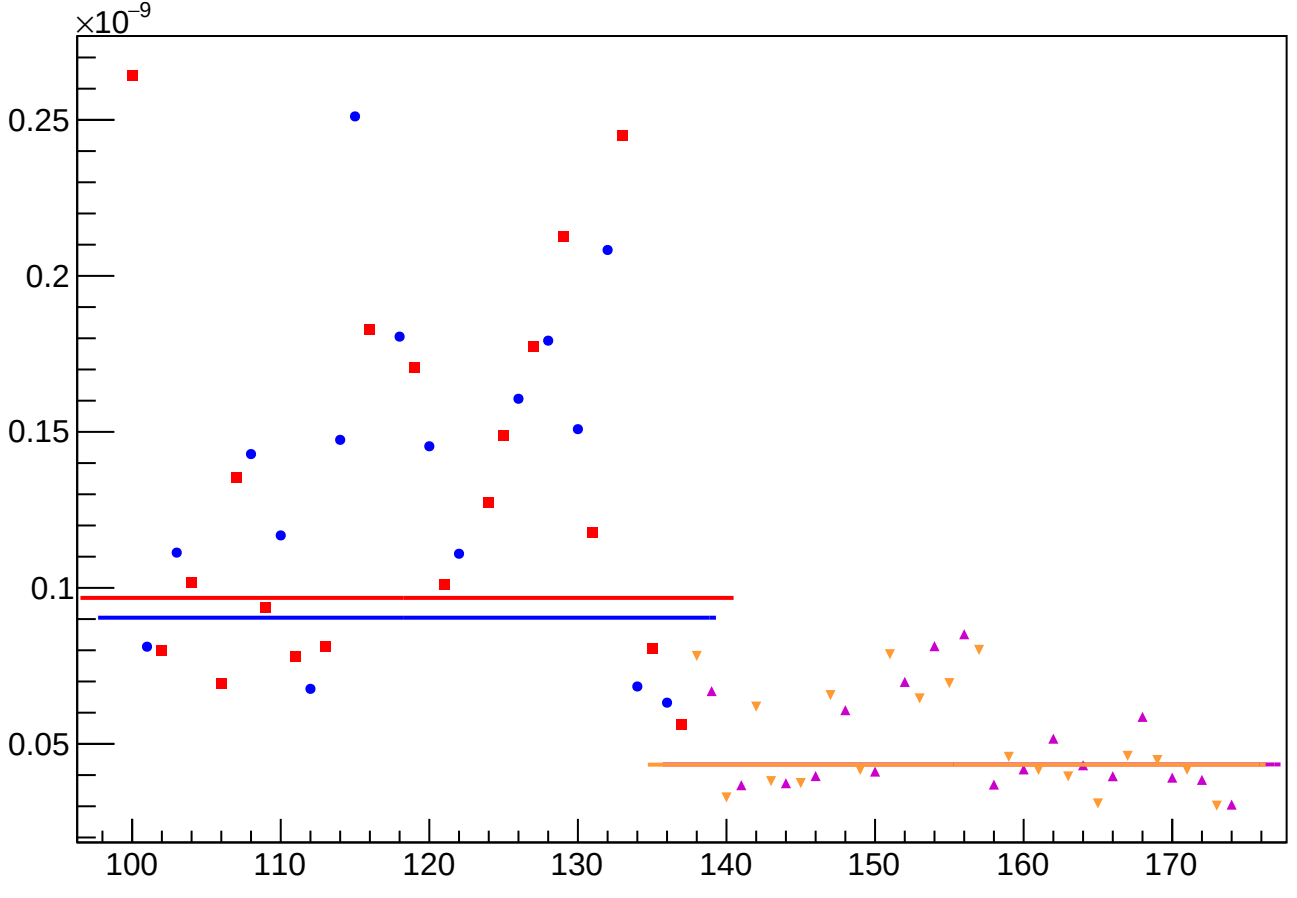
Left: 0.000+/-0.000 χ^2/NDF: 30.3/36

Right: 0.000+/-0.000 χ^2/NDF: 29.9/34

In: 0.000+/-0.000 χ^2/NDF:17.2/33

Out: 0.000+/-0.000 χ^2/NDF:42.9/37

All: 0.000+/-0.000 χ^2/NDF: 60.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 926723.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1053162.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 851500.3/18

Left In: 0.000+/-0.000 χ^2/NDF:876706.1/17

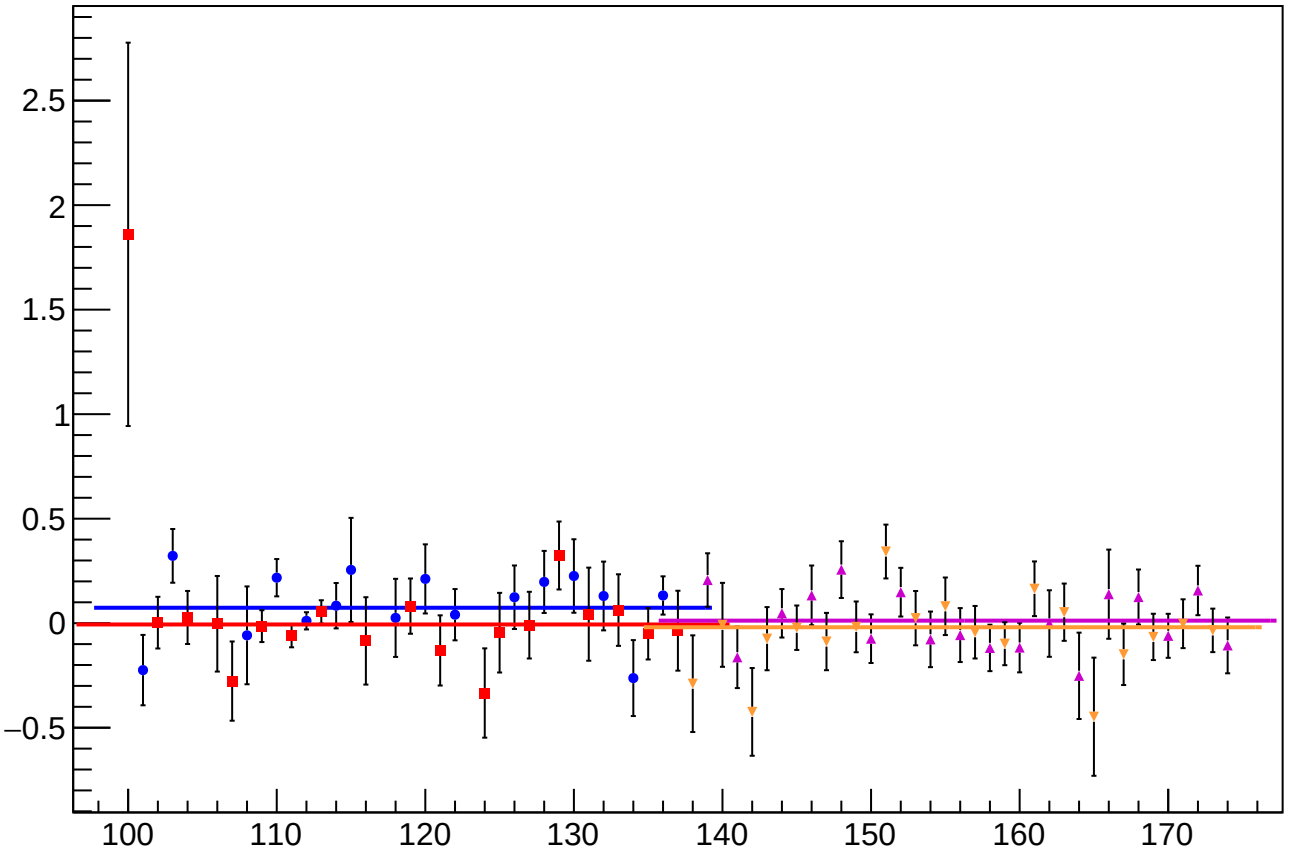
Left: 0.000+/-0.000 χ^2/NDF: 1929882.7/36

Right: 0.000+/-0.000 χ^2/NDF: 1791911.9/34

In: 0.000+/-0.000 χ^2/NDF:3226759.6/33

Out: 0.000+/-0.000 χ^2/NDF:3560322.9/37

All: 0.000+/-0.000 χ^2/NDF: 6787365.7/71



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

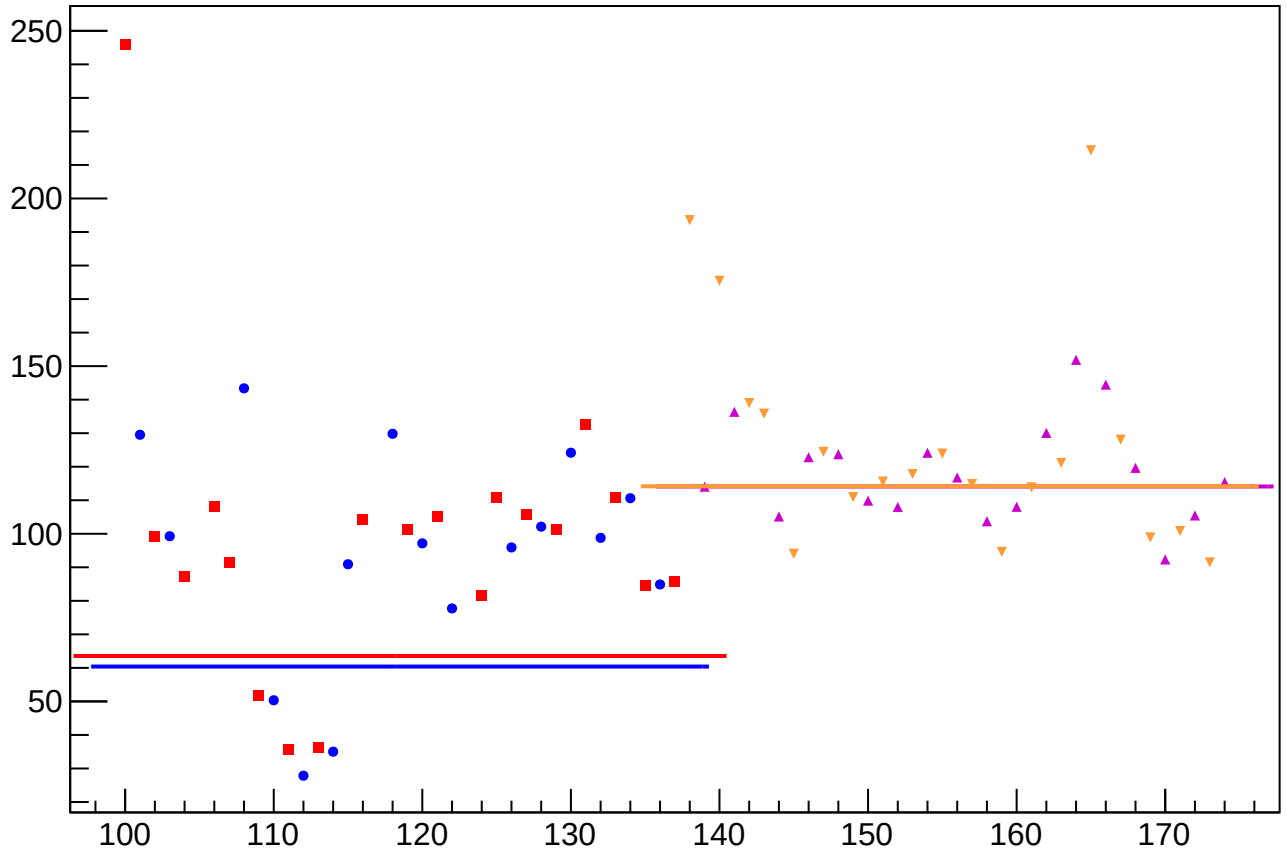
Left: -0.004+/-0.022 χ^2/NDF: 39.2/36

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.017+/-0.014 χ^2/NDF: 80.6/71



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 114.166+/-0.022 χ^2/NDF:1093618.4/18

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

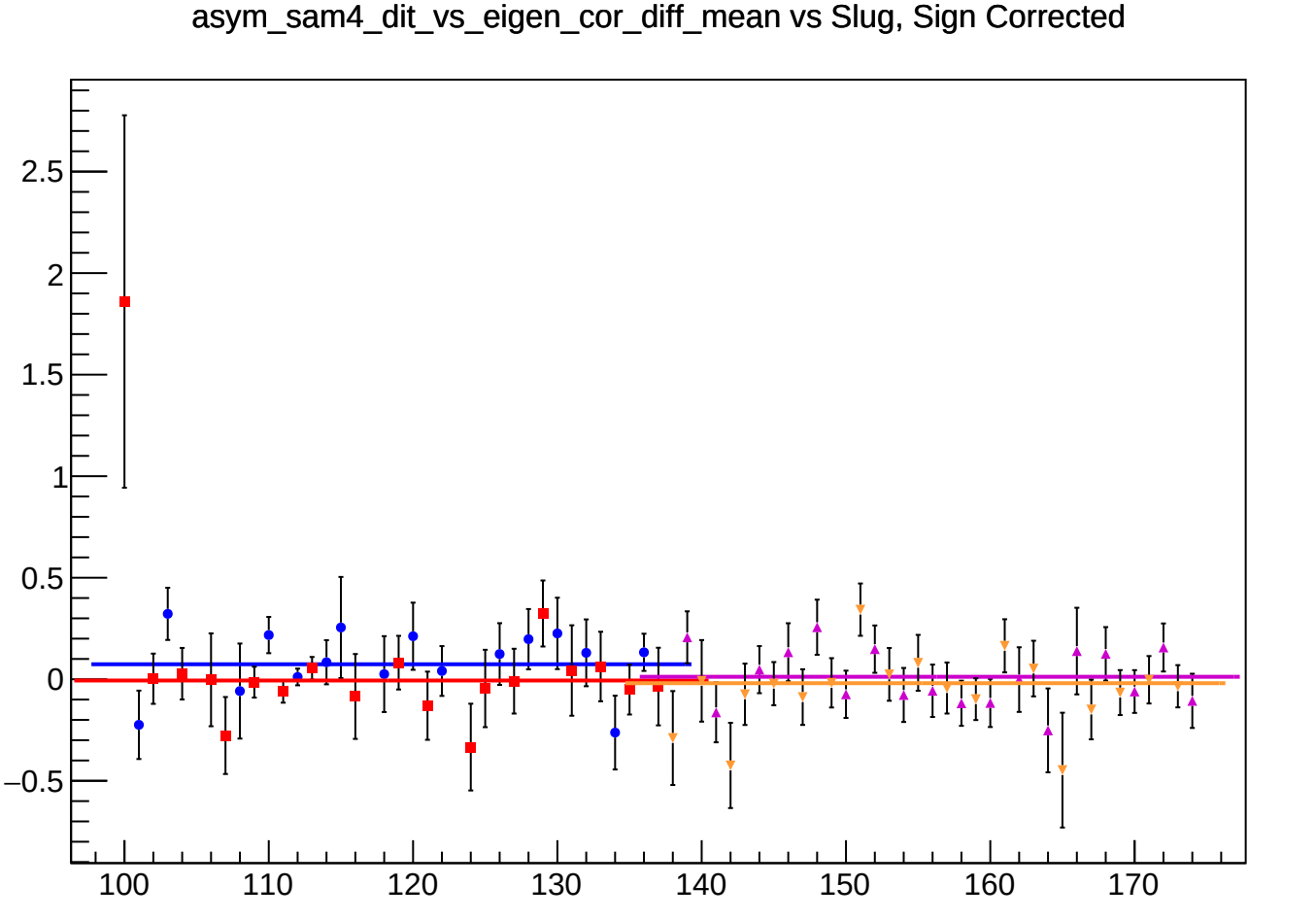
Left: 114.137+/-0.015 χ^2/NDF: 1439271.7/36

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.837+/-0.014 χ^2/NDF:7333850.0/33

Out: 85.546+/-0.014 χ^2/NDF:6840691.4/37

All: 84.696+/-0.010 χ^2/NDF: 14181675.3/71



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

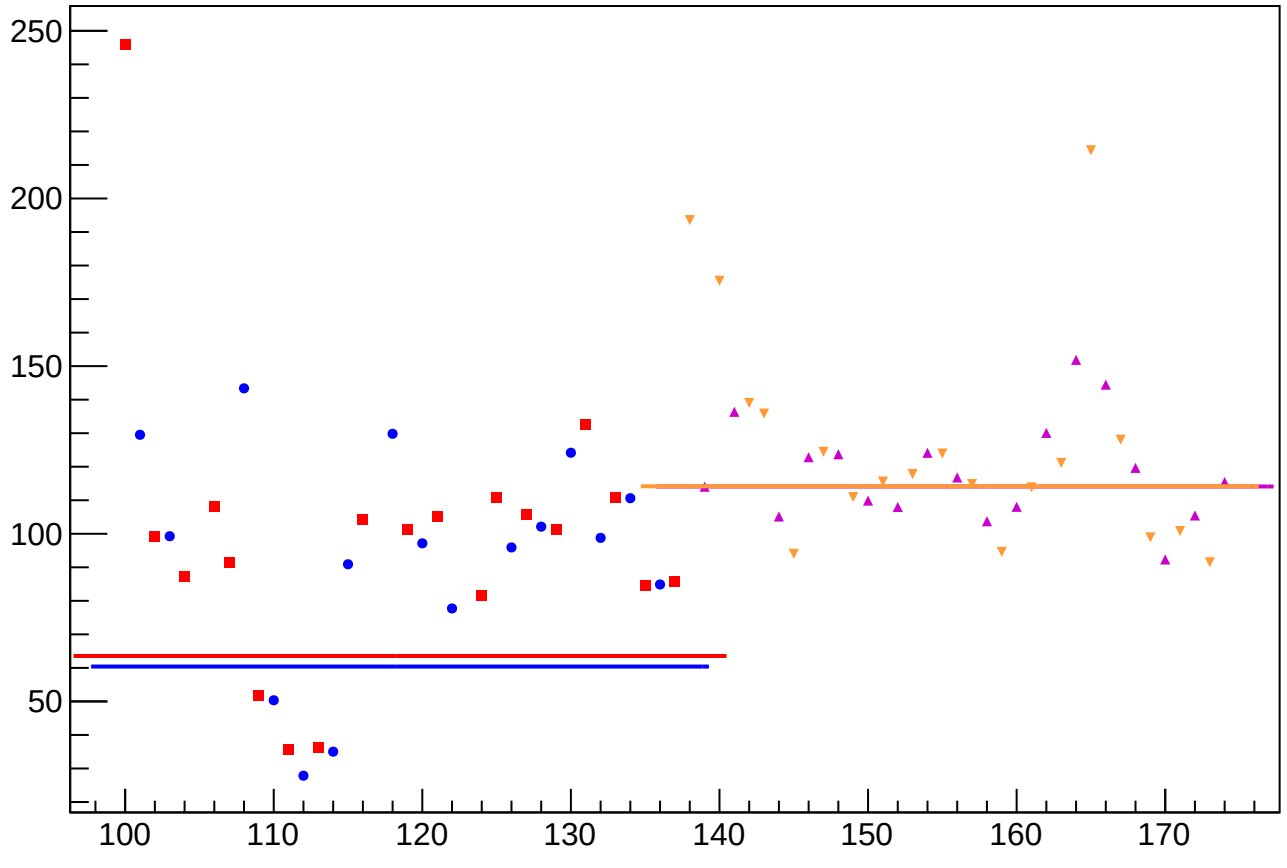
Left: -0.004+/-0.022 χ^2/NDF: 39.2/36

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.017+/-0.014 χ^2/NDF: 80.6/71



Right In: 60.401+/-0.019 χ^2/NDF: 3538126.0/15

Left Out: 114.166+/-0.022 χ^2/NDF:1093618.4/18

Right Out: 63.553+/-0.019 χ^2/NDF: 2654516.9/18

Left In: 114.107+/-0.022 χ^2/NDF:345649.7/17

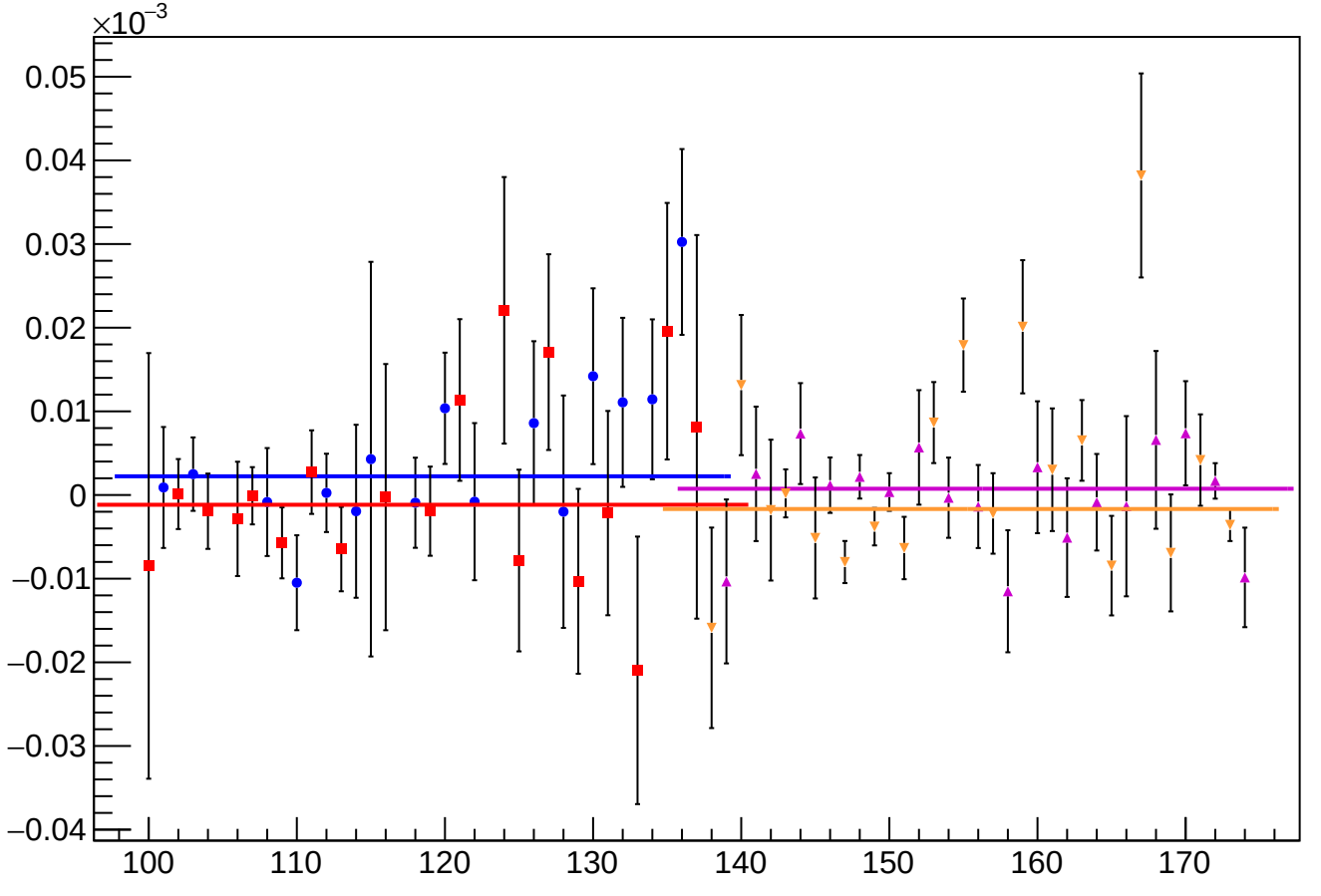
Left: 114.137+/-0.015 χ^2/NDF: 1439271.7/36

Right: 61.987+/-0.013 χ^2/NDF: 6206346.3/34

In: 83.837+/-0.014 χ^2/NDF:7333850.0/33

Out: 85.546+/-0.014 χ^2/NDF:6840691.4/37

All: 84.696+/-0.010 χ^2/NDF: 14181675.3/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:56.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: 0.000+/-0.000 χ^2/NDF:12.2/17

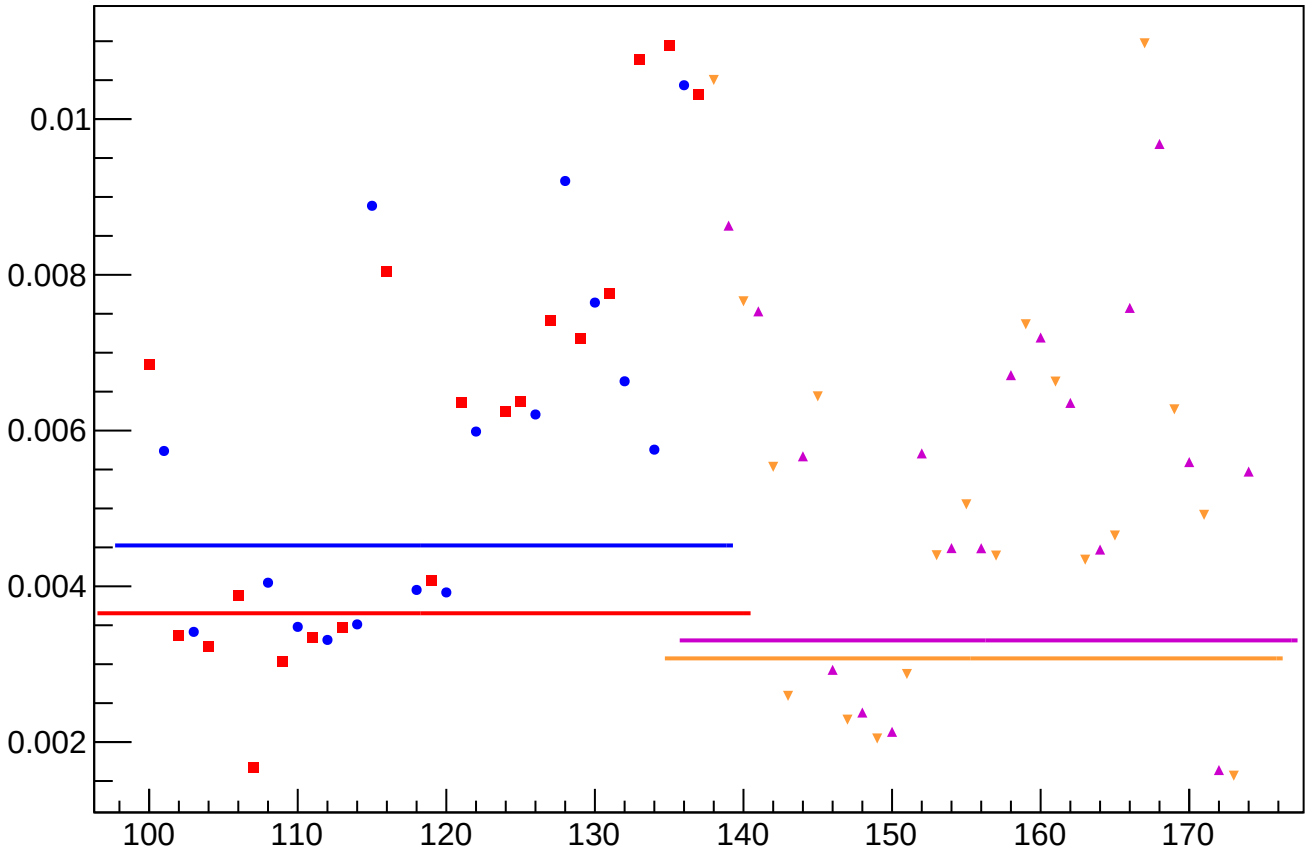
Left: -0.000+/-0.000 χ^2/NDF: 71.6/36

Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:30.1/33

Out: -0.000+/-0.000 χ^2/NDF:70.5/37

All: -0.000+/-0.000 χ^2/NDF: 105.6/71



Right In: 0.005+/-0.000 χ^2/NDF: 1721333.3/15

Left Out: 0.003+/-0.000 χ^2/NDF:7235376.6/18

Right Out: 0.004+/-0.000 χ^2/NDF: 2933246.9/18

Left In: 0.003+/-0.000 χ^2/NDF:6934026.2/17

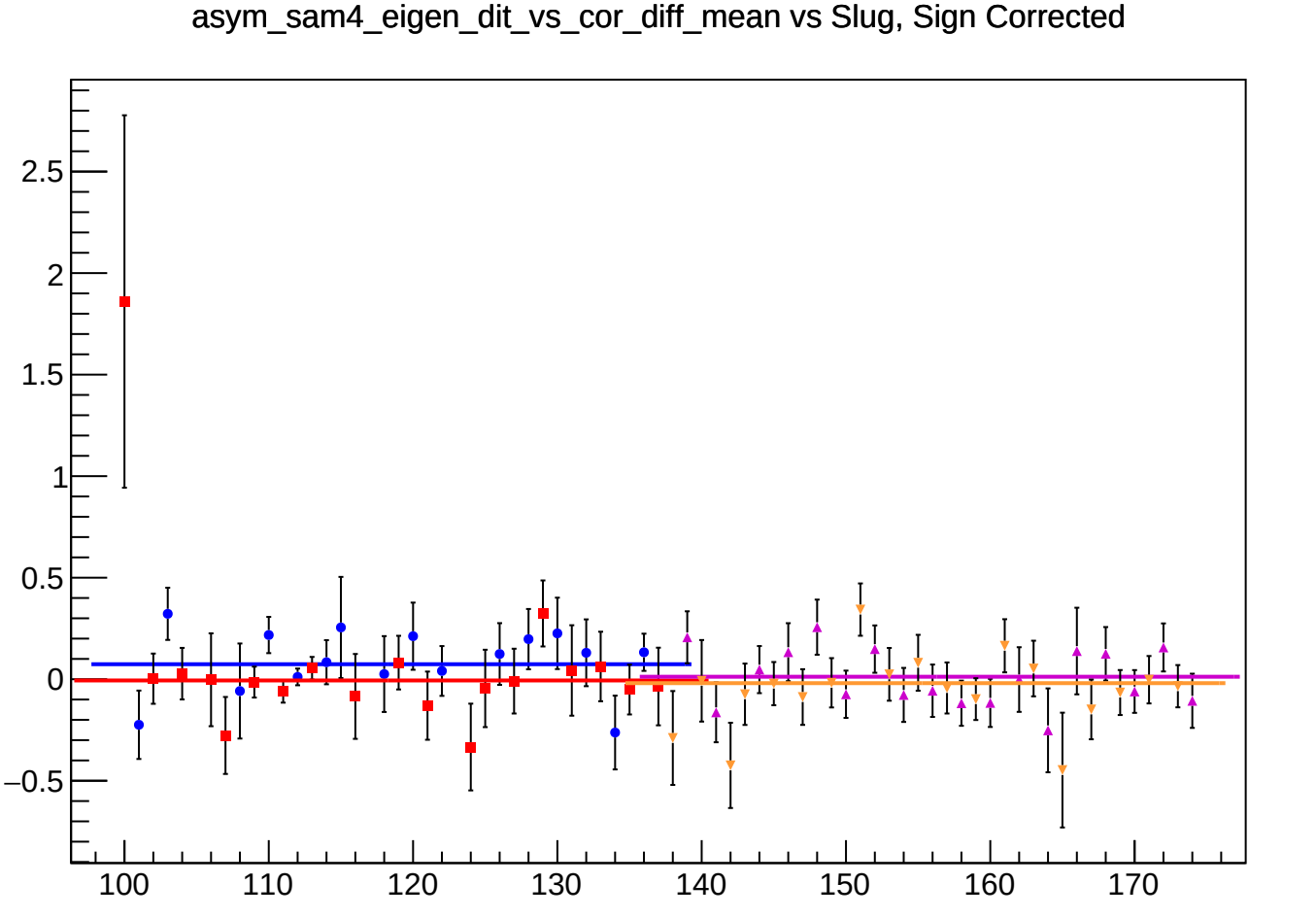
Left: 0.003+/-0.000 χ^2/NDF: 14225833.8/36

Right: 0.004+/-0.000 χ^2/NDF: 4928784.4/34

In: 0.004+/-0.000 χ^2/NDF:9345596.1/33

Out: 0.003+/-0.000 χ^2/NDF:10384275.4/37

All: 0.003+/-0.000 χ^2/NDF: 19915200.5/71



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

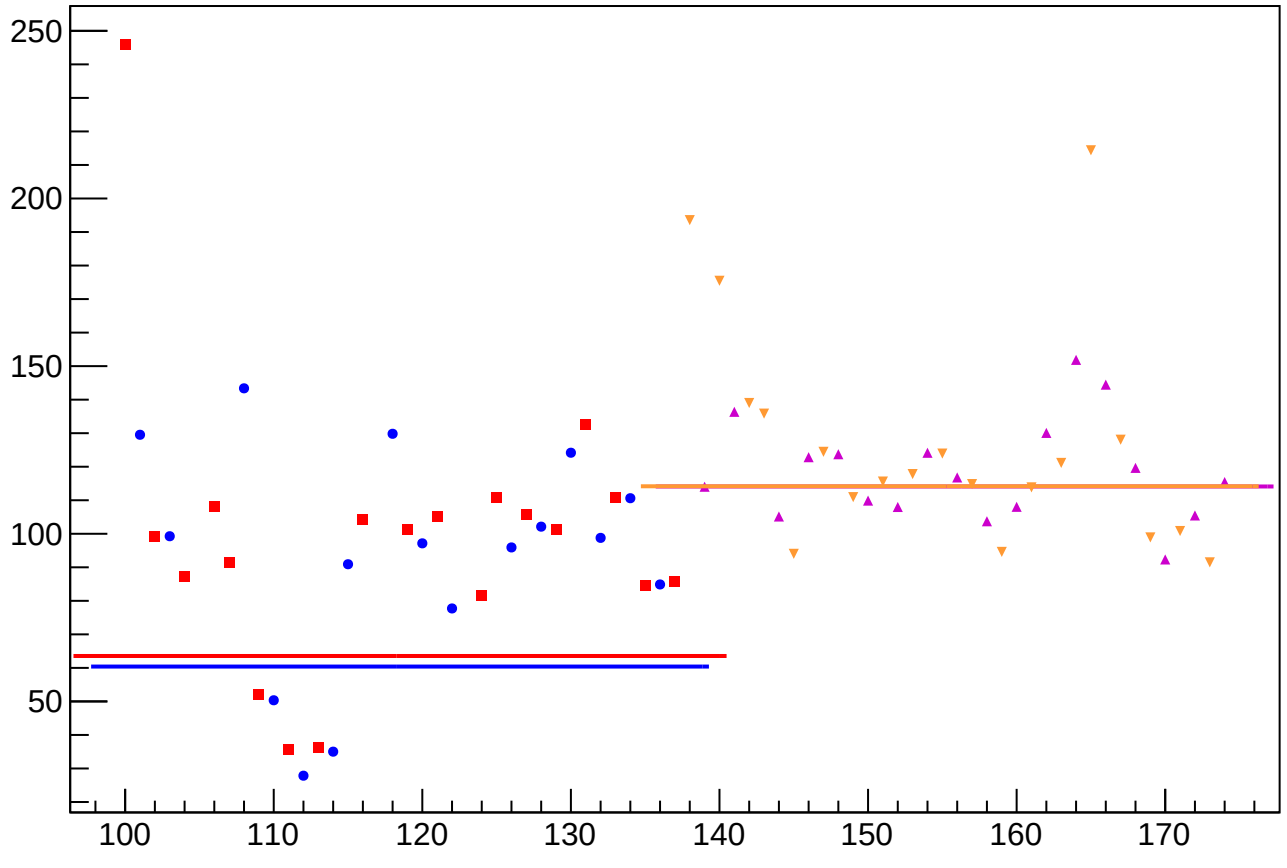
Left: -0.004+/-0.022 χ^2/NDF: 39.2/36

Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.017+/-0.014 χ^2/NDF: 80.6/71



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 114.167+/-0.022 χ^2/NDF:1093598.0/18

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

Left: 114.137+/-0.015 χ^2/NDF: 1439254.3/36

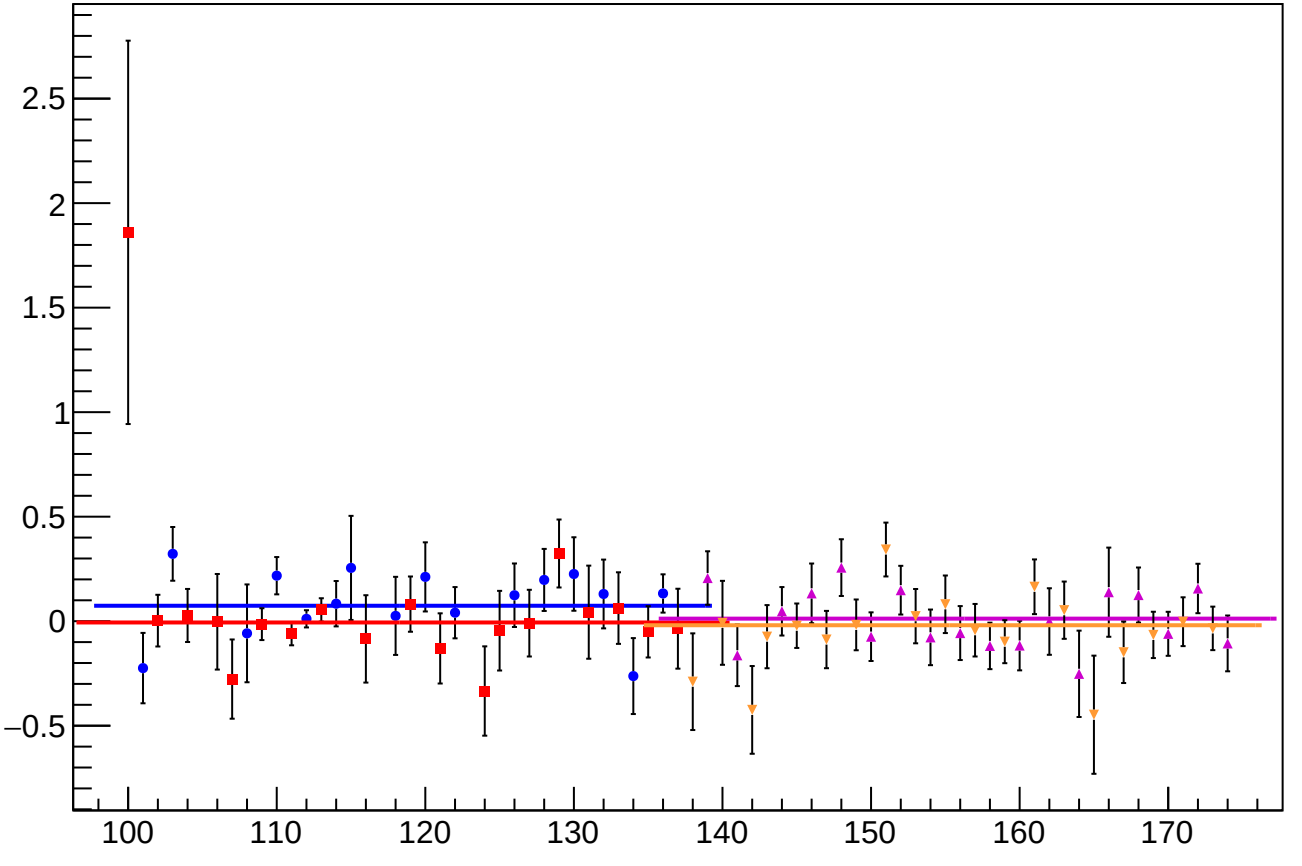
Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.836+/-0.014 χ^2/NDF:7334530.5/33

Out: 85.545+/-0.014 χ^2/NDF:6841299.8/37

All: 84.695+/-0.010 χ^2/NDF: 14182967.0/71

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.074+/-0.027 χ^2/NDF: 19.0/15

Left Out: -0.019+/-0.031 χ^2/NDF:20.2/18

Right Out: -0.006+/-0.027 χ^2/NDF: 16.4/18

Left In: 0.012+/-0.031 χ^2/NDF:18.4/17

Left: -0.004+/-0.022 χ^2/NDF: 39.2/36

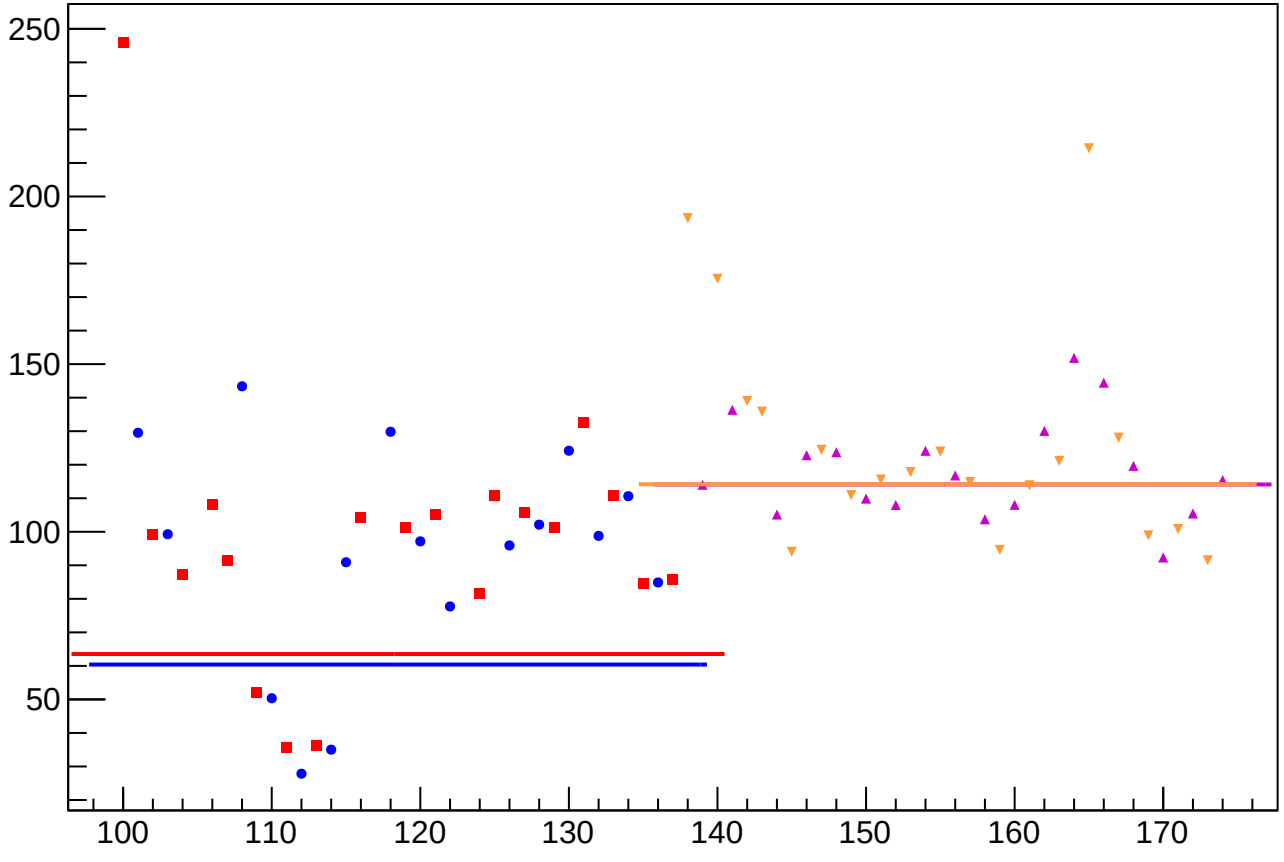
Right: 0.034+/-0.019 χ^2/NDF: 39.8/34

In: 0.047+/-0.020 χ^2/NDF:39.7/33

Out: -0.012+/-0.020 χ^2/NDF:36.7/37

All: 0.017+/-0.014 χ^2/NDF: 80.6/71

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.399+/-0.019 χ^2/NDF: 3538382.9/15

Left Out: 114.167+/-0.022 χ^2/NDF:1093598.0/18

Right Out: 63.551+/-0.019 χ^2/NDF: 2654786.8/18

Left In: 114.108+/-0.022 χ^2/NDF:345652.5/17

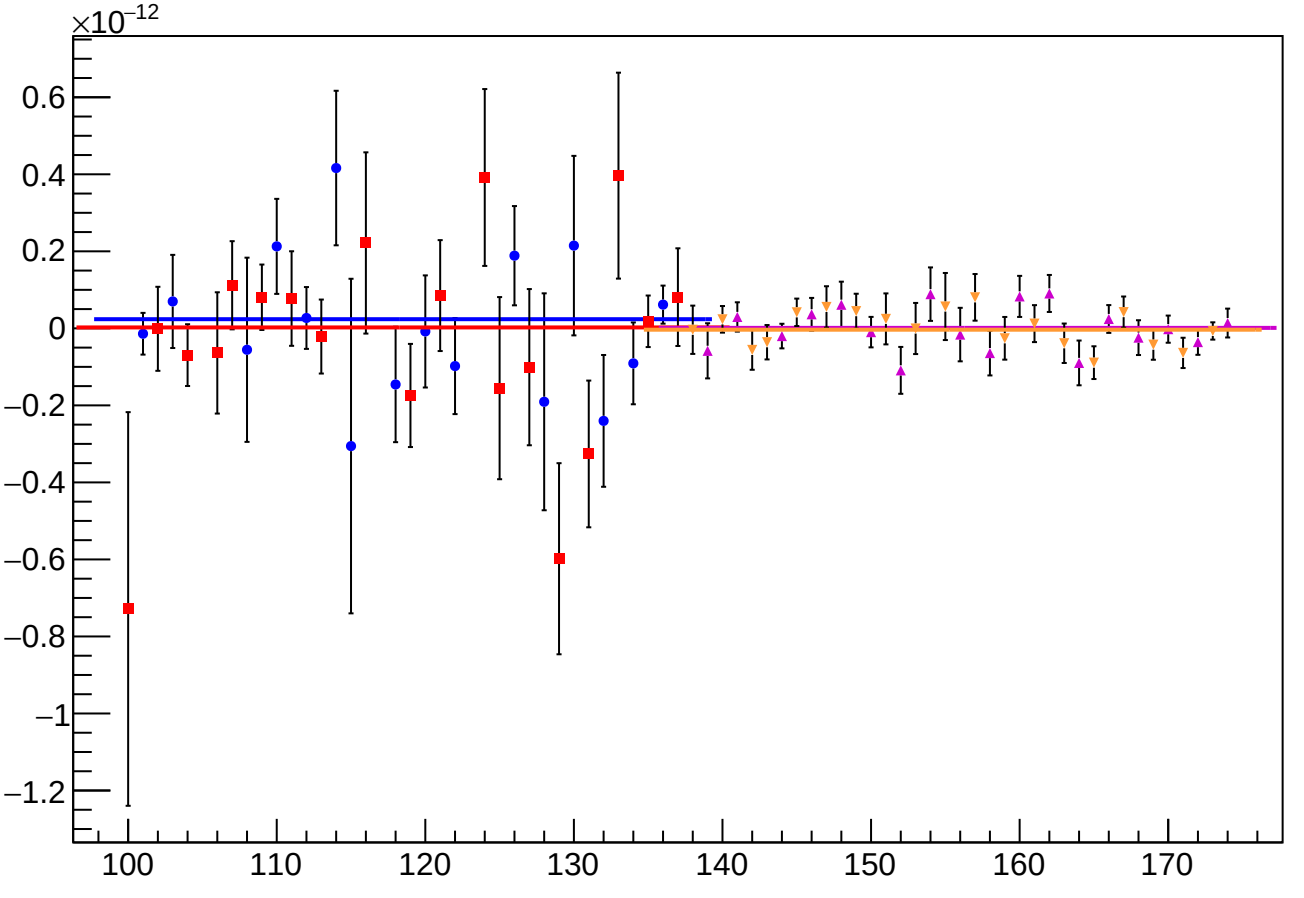
Left: 114.137+/-0.015 χ^2/NDF: 1439254.3/36

Right: 61.985+/-0.013 χ^2/NDF: 6206876.3/34

In: 83.836+/-0.014 χ^2/NDF:7334530.5/33

Out: 85.545+/-0.014 χ^2/NDF:6841299.8/37

All: 84.695+/-0.010 χ^2/NDF: 14182967.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/18

Left In: 0.000+/-0.000 χ^2/NDF:20.0/17

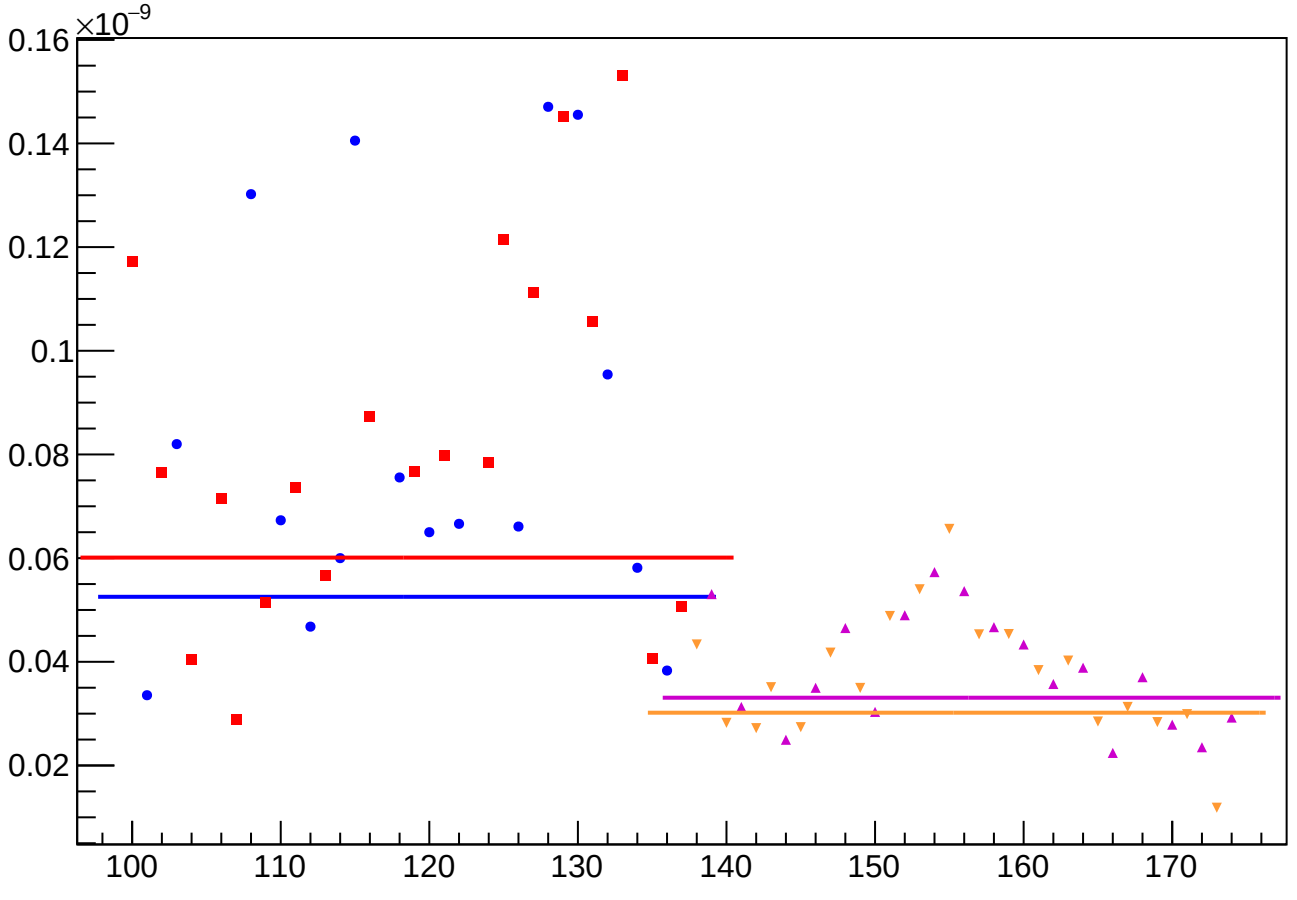
Left: -0.000+/-0.000 χ^2/NDF: 38.2/36

Right: 0.000+/-0.000 χ^2/NDF: 40.3/34

In: 0.000+/-0.000 χ^2/NDF:37.5/33

Out: -0.000+/-0.000 χ^2/NDF:41.3/37

All: 0.000+/-0.000 χ^2/NDF: 79.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 1649207.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:2754297.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1539049.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1589885.1/17

Left: 0.000+/-0.000 χ^2/NDF: 4423879.9/36

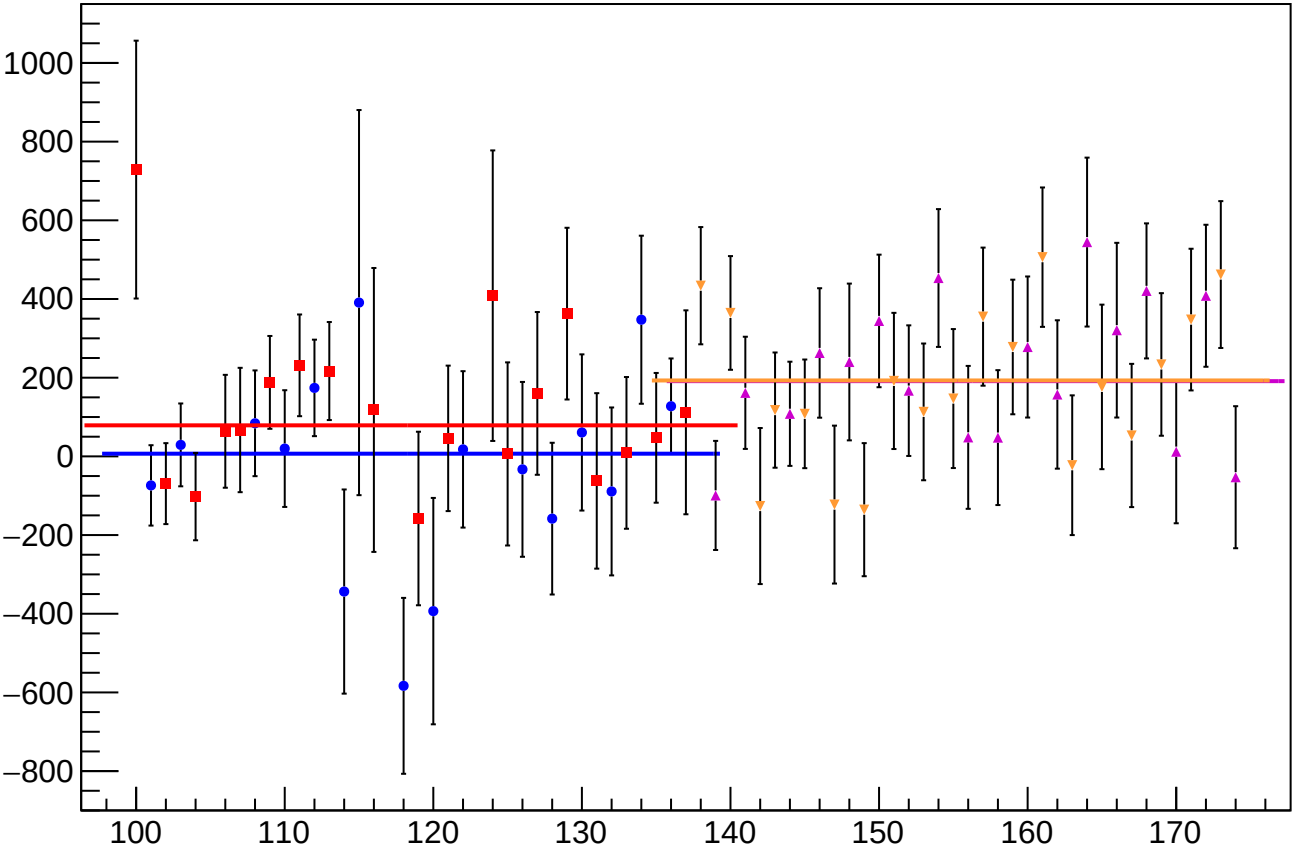
Right: 0.000+/-0.000 χ^2/NDF: 3263531.1/34

In: 0.000+/-0.000 χ^2/NDF:4191031.8/33

Out: 0.000+/-0.000 χ^2/NDF:6212447.8/37

All: 0.000+/-0.000 χ^2/NDF: 10465420.4/71

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 6.811+/-40.353 χ^2/NDF: 18.8/15

Left Out: 192.940+/-39.253 χ^2/NDF:22.9/18

Right Out: 78.883+/-37.906 χ^2/NDF: 16.7/18

Left In: 191.208+/-40.304 χ^2/NDF:18.8/17

Left: 192.097+/-28.120 χ^2/NDF: 41.8/36

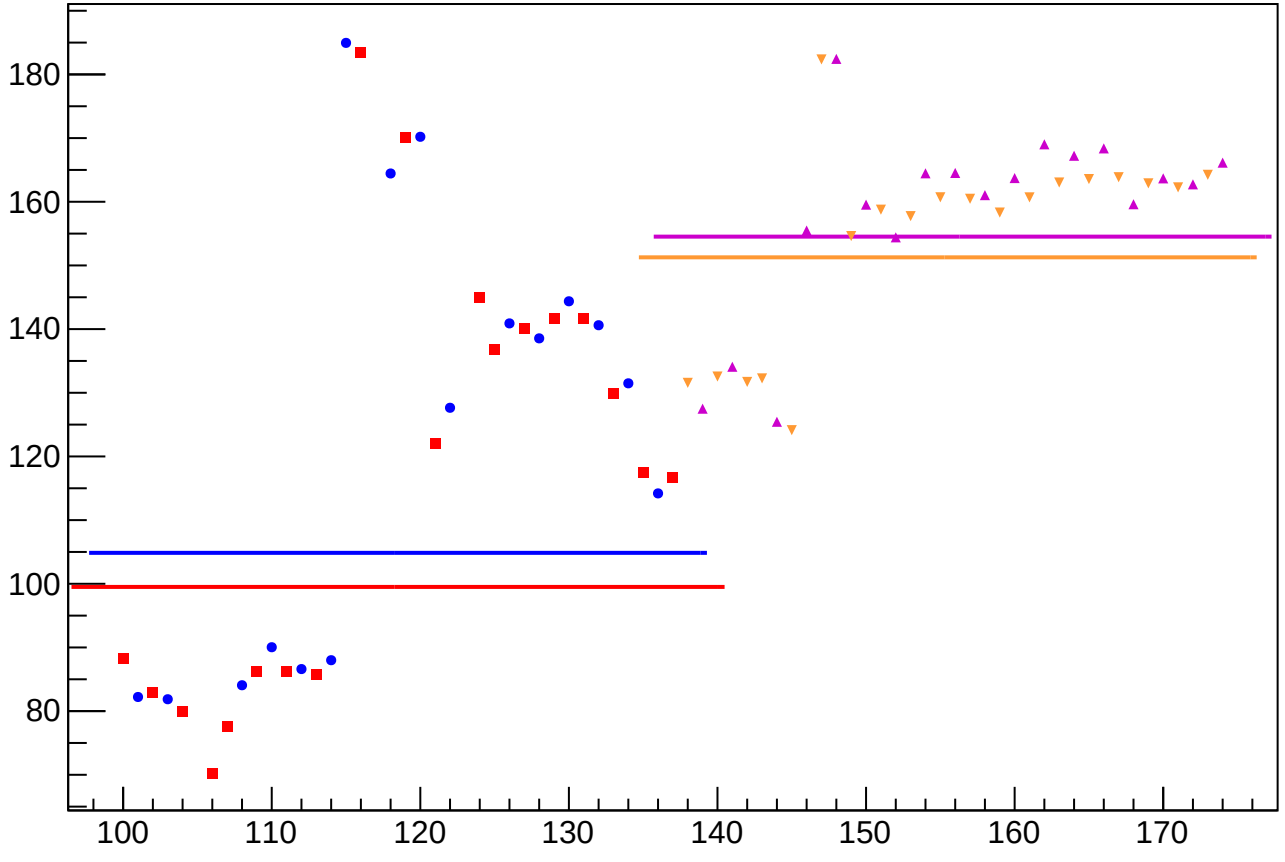
Right: 45.098+/-27.628 χ^2/NDF: 37.2/34

In: 99.121+/-28.517 χ^2/NDF:48.1/33

Out: 133.921+/-27.267 χ^2/NDF:44.0/37

All: 117.300+/-19.708 χ^2/NDF: 92.8/71

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931228.4/15

Left Out: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.508+/-0.027 χ^2/NDF: 1039037.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

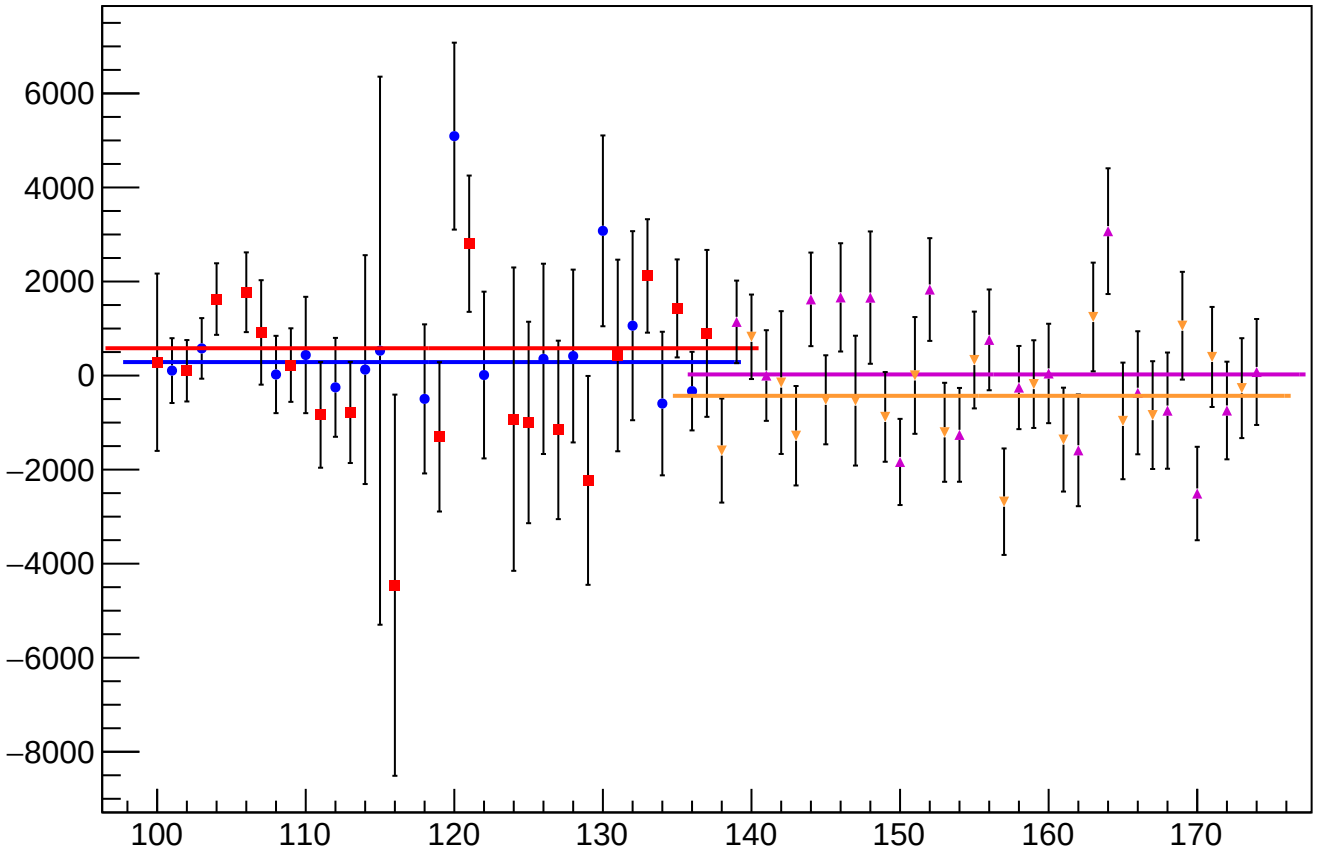
Left: 152.855+/-0.020 χ^2/NDF: 652961.6/36

Right: 102.017+/-0.020 χ^2/NDF: 1988955.2/34

In: 129.722+/-0.020 χ^2/NDF:2769007.5/33

Out: 124.487+/-0.019 χ^2/NDF:3163942.2/37

All: 126.987+/-0.014 χ^2/NDF: 5968166.0/71



Right In: 286.915+/-293.474 χ^2/NDF: 9.7/15

Left Out: -430.630+/-249.534 χ^2/NDF:14.7/18

Right Out: 581.217+/-269.775 χ^2/NDF: 18.8/18

Left In: 24.223+/-250.339 χ^2/NDF:31.2/17

Left: -203.937+/-176.731 χ^2/NDF: 47.5/36

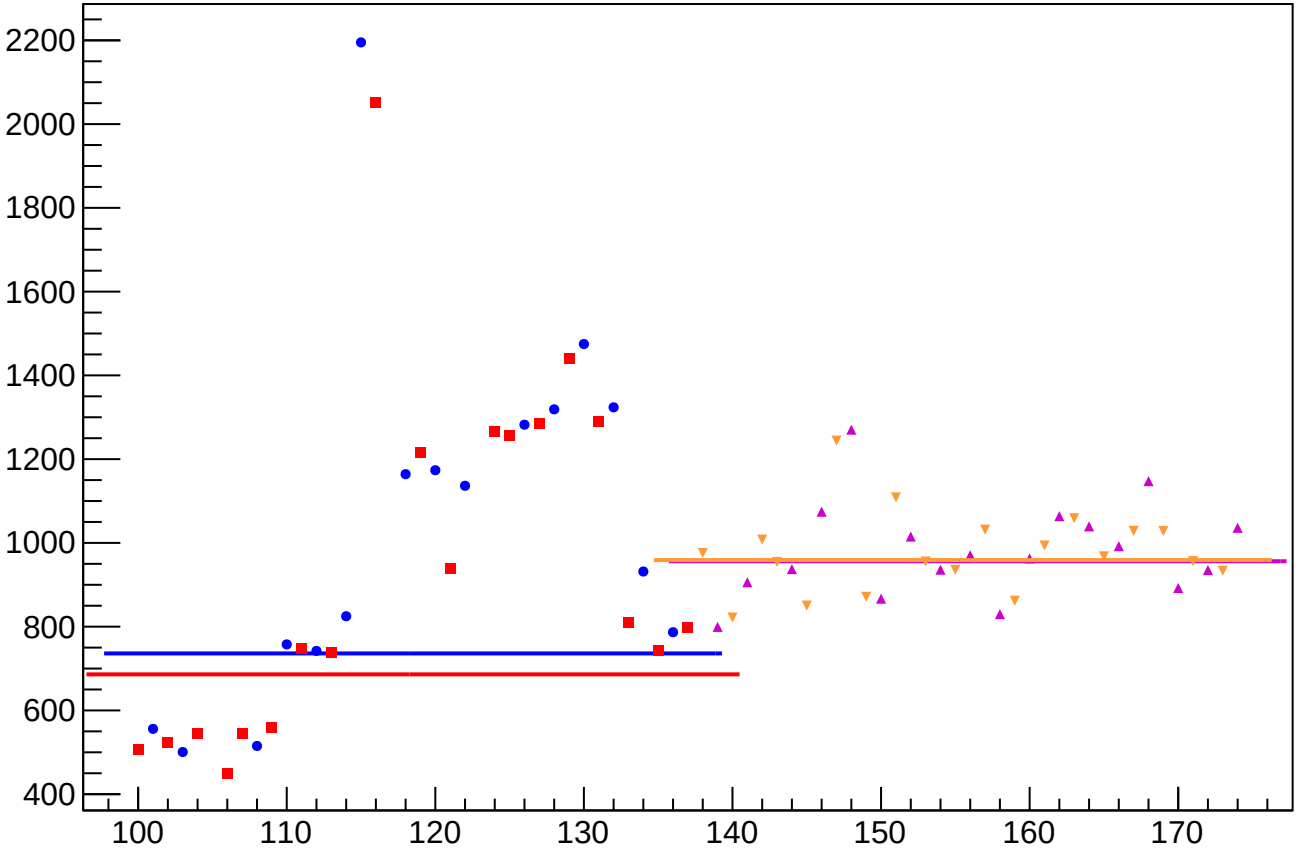
Right: 446.427+/-198.610 χ^2/NDF: 29.0/34

In: 134.863+/-190.459 χ^2/NDF:41.4/33

Out: 35.914+/-183.185 χ^2/NDF:41.0/37

All: 83.463+/-132.028 χ^2/NDF: 82.5/71

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 736.084+/-0.208 χ^2/NDF: 1844496.2/15

Left Out: 959.015+/-0.176 χ^2/NDF:270710.1/18

Right Out: 686.108+/-0.191 χ^2/NDF: 1819176.0/18

Left In: 956.193+/-0.177 χ^2/NDF:350335.6/17

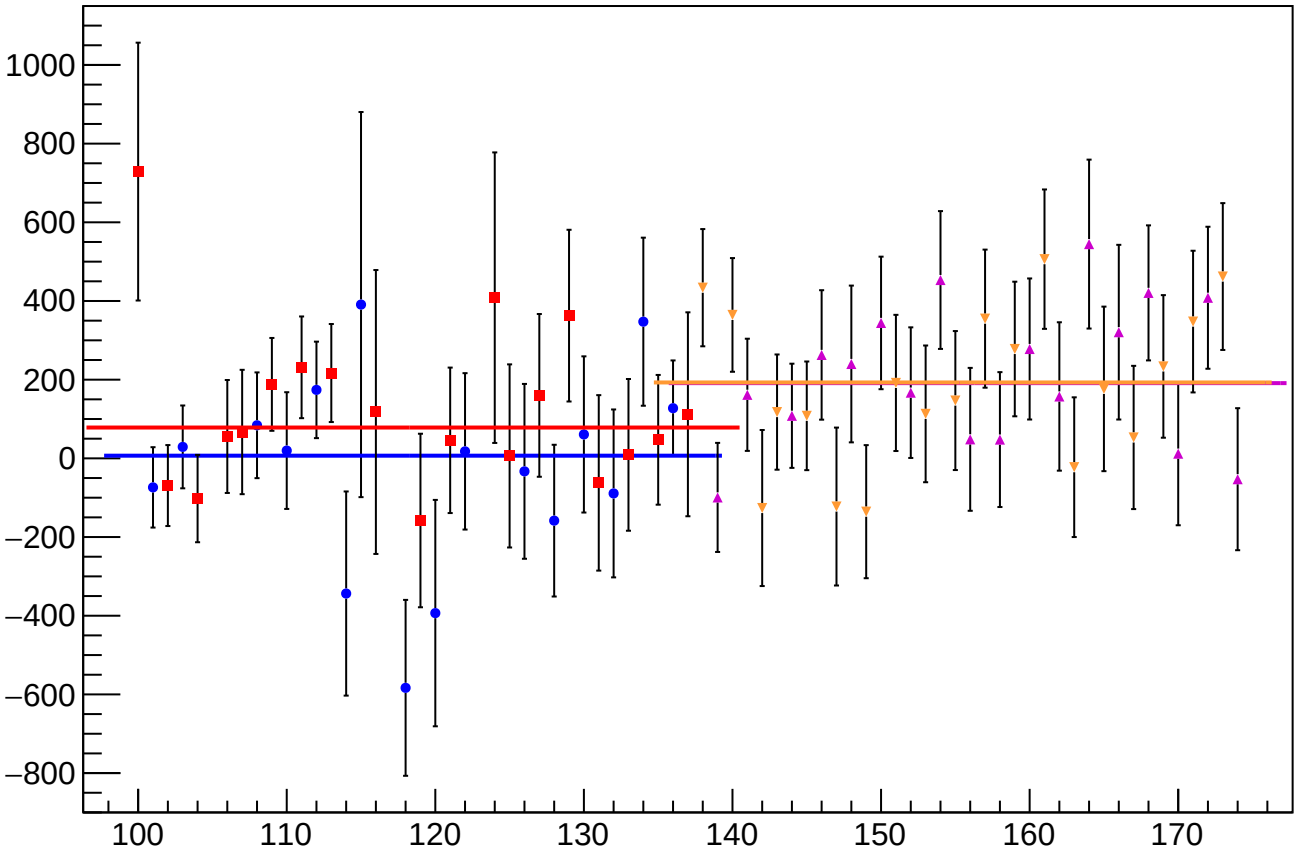
Left: 957.608+/-0.125 χ^2/NDF: 621173.1/36

Right: 708.997+/-0.140 χ^2/NDF: 3695106.9/34

In: 863.488+/-0.135 χ^2/NDF:2846027.9/33

Out: 833.183+/-0.130 χ^2/NDF:3192891.6/37

All: 847.745+/-0.093 χ^2/NDF: 6065223.2/71



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 192.938+/-39.253 χ^2/NDF:22.9/18

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 191.209+/-40.304 χ^2/NDF:18.8/17

Left: 192.097+/-28.120 χ^2/NDF: 41.8/36

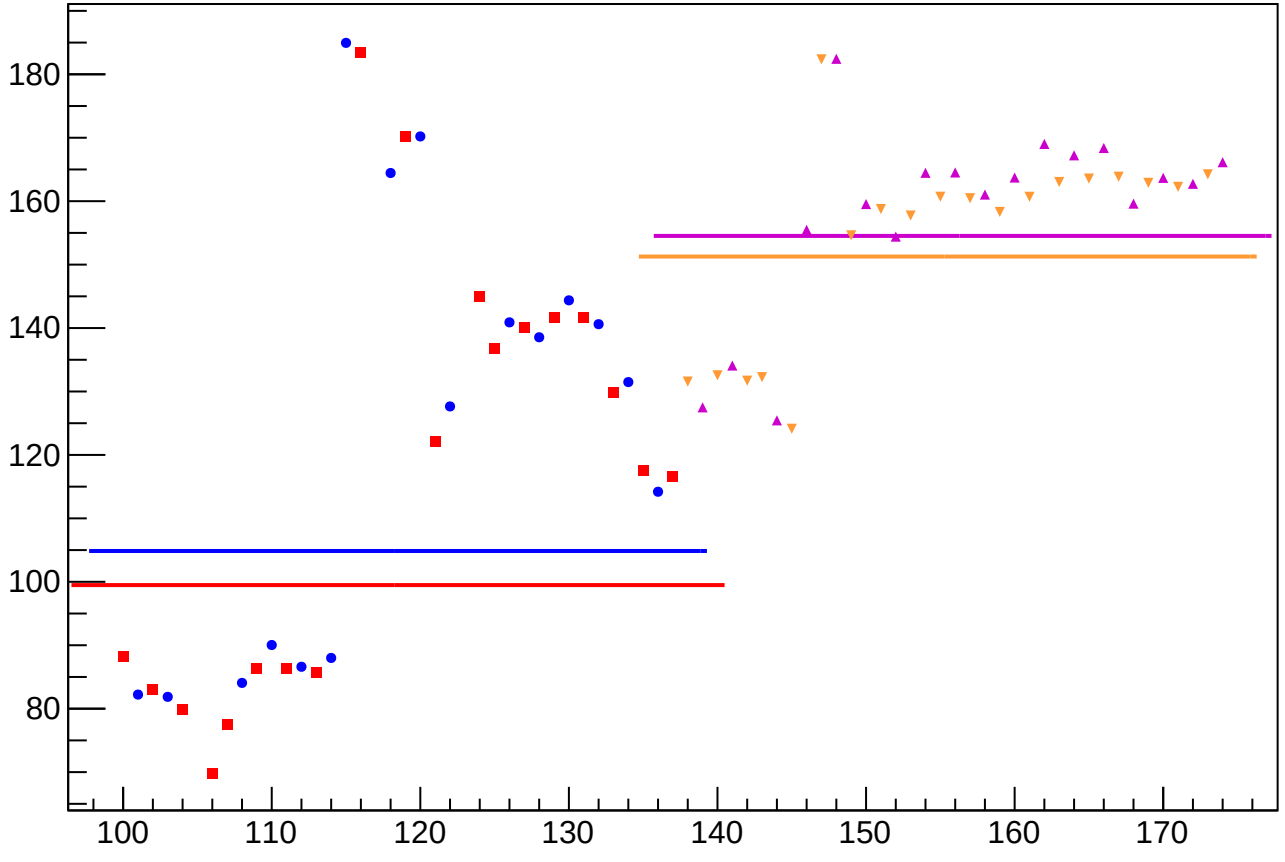
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 99.116+/-28.517 χ^2/NDF:48.1/33

Out: 133.647+/-27.268 χ^2/NDF:44.0/37

All: 117.154+/-19.708 χ^2/NDF: 92.9/71

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

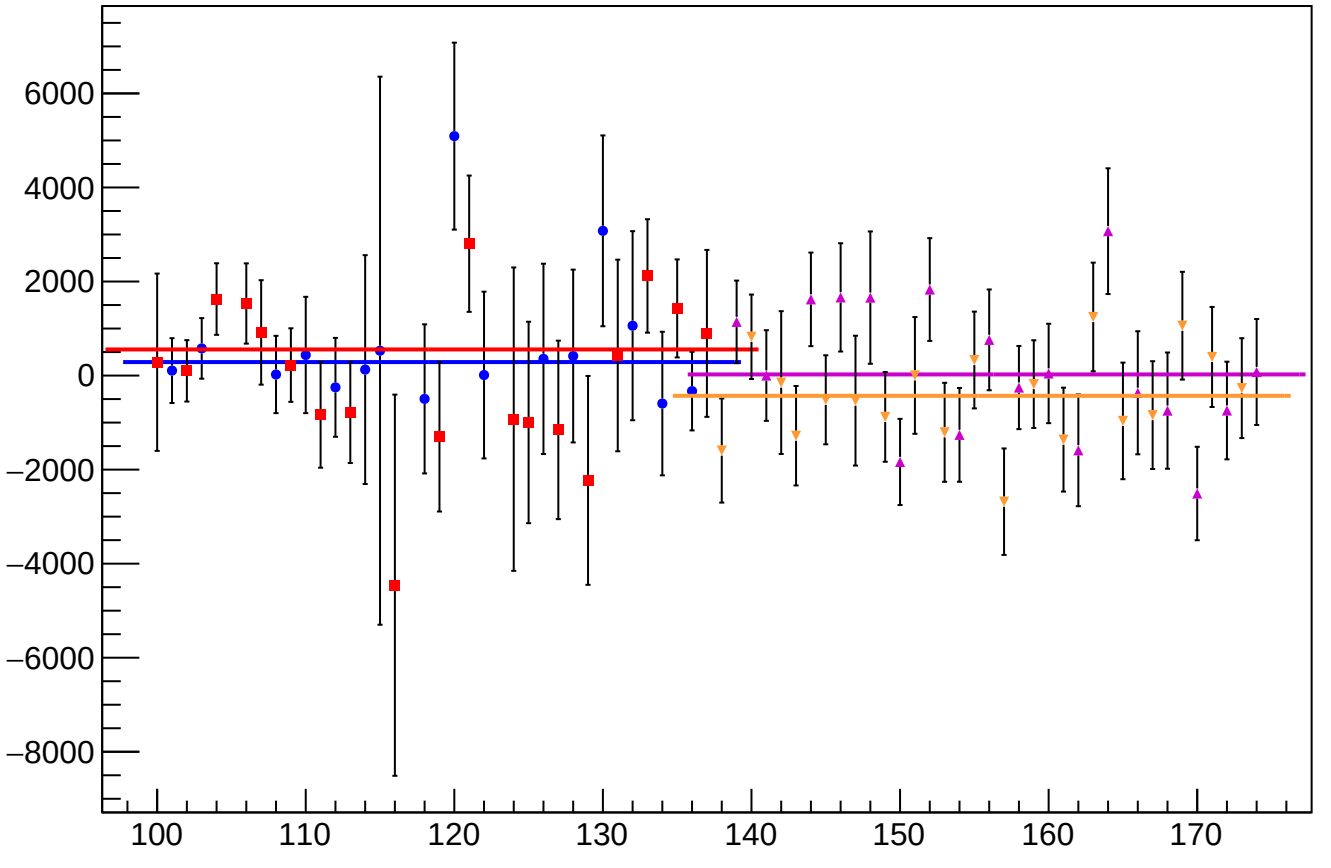
Left: 152.855+/-0.020 χ^2/NDF: 652961.6/36

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 129.722+/-0.020 χ^2/NDF:2769005.7/33

Out: 124.476+/-0.019 χ^2/NDF:3167667.5/37

All: 126.982+/-0.014 χ^2/NDF: 5972030.3/71



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -430.629+/-249.534 χ^2/NDF:14.7/18

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 24.222+/-250.339 χ^2/NDF:31.2/17

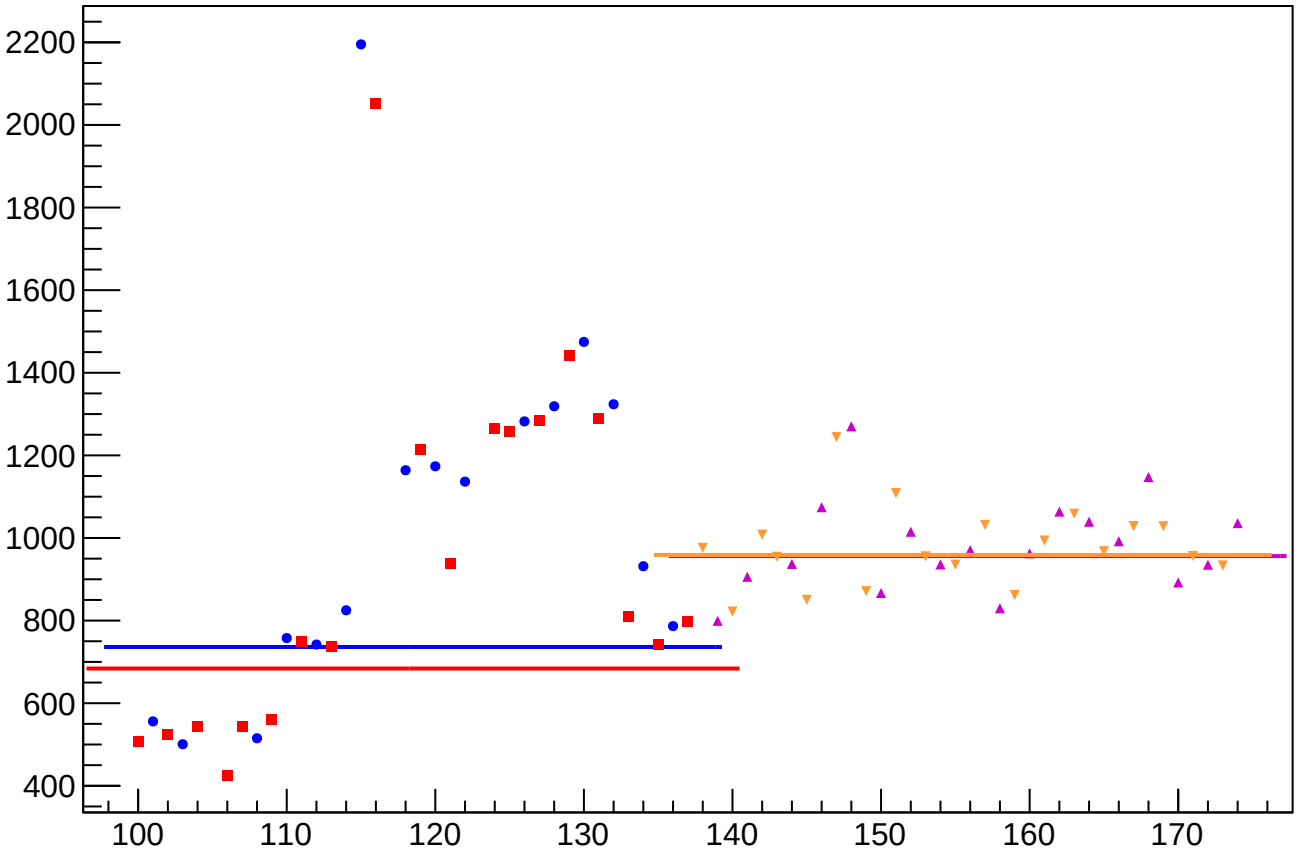
Left: -203.937+/-176.731 χ^2/NDF: 47.5/36

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 134.863+/-190.459 χ^2/NDF:41.4/33

Out: 23.704+/-183.241 χ^2/NDF:39.9/37

All: 77.137+/-132.049 χ^2/NDF: 81.4/71



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 959.015+/-0.176 χ^2/NDF:270709.6/18

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

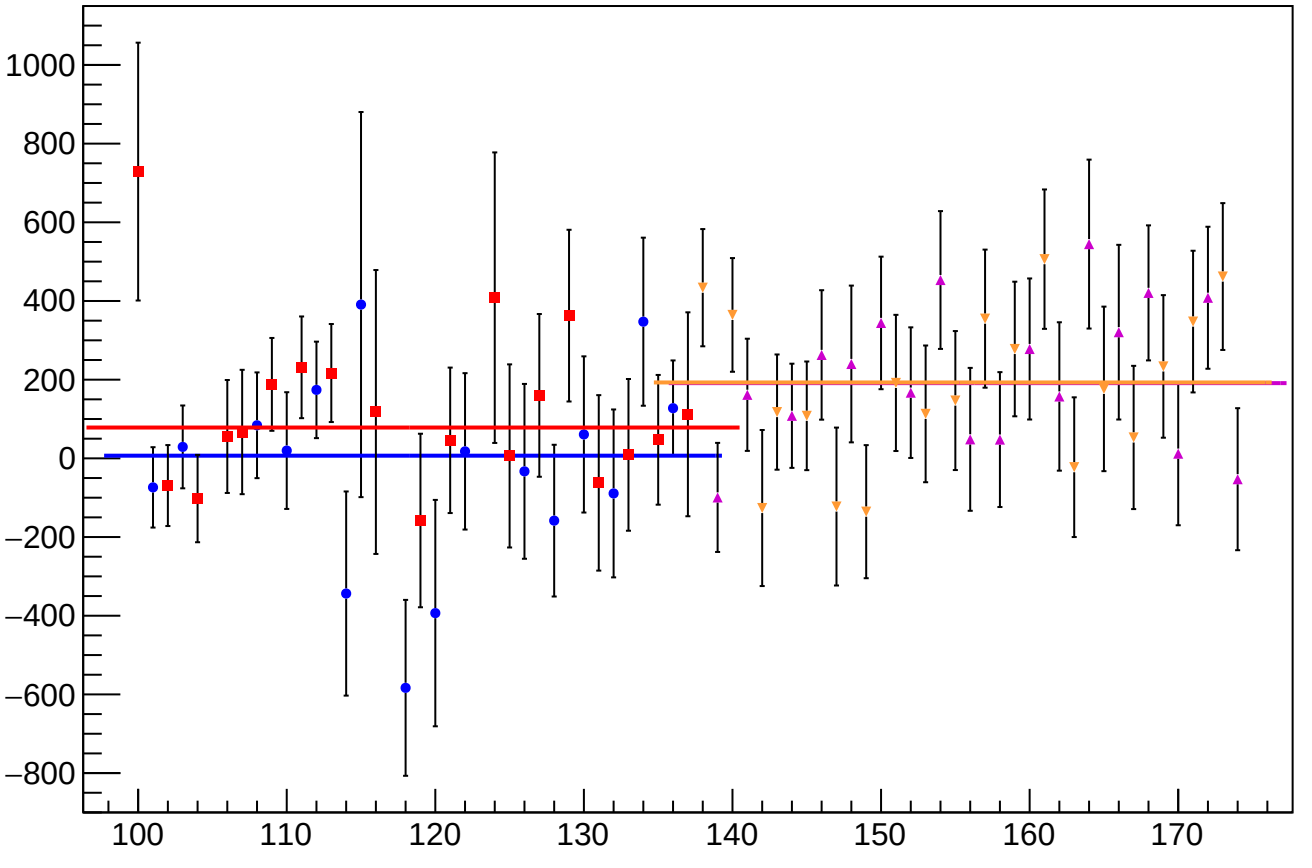
Left: 957.608+/-0.125 χ^2/NDF: 621174.9/36

Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 863.488+/-0.135 χ^2/NDF:2846036.0/33

Out: 832.292+/-0.130 χ^2/NDF:3240588.3/37

All: 847.287+/-0.093 χ^2/NDF: 6114487.8/71



Right In: 6.799+/-40.353 χ^2/NDF: 18.8/15

Left Out: 192.938+/-39.253 χ^2/NDF:22.9/18

Right Out: 78.347+/-37.909 χ^2/NDF: 16.7/18

Left In: 191.209+/-40.304 χ^2/NDF:18.8/17

Left: 192.097+/-28.120 χ^2/NDF: 41.8/36

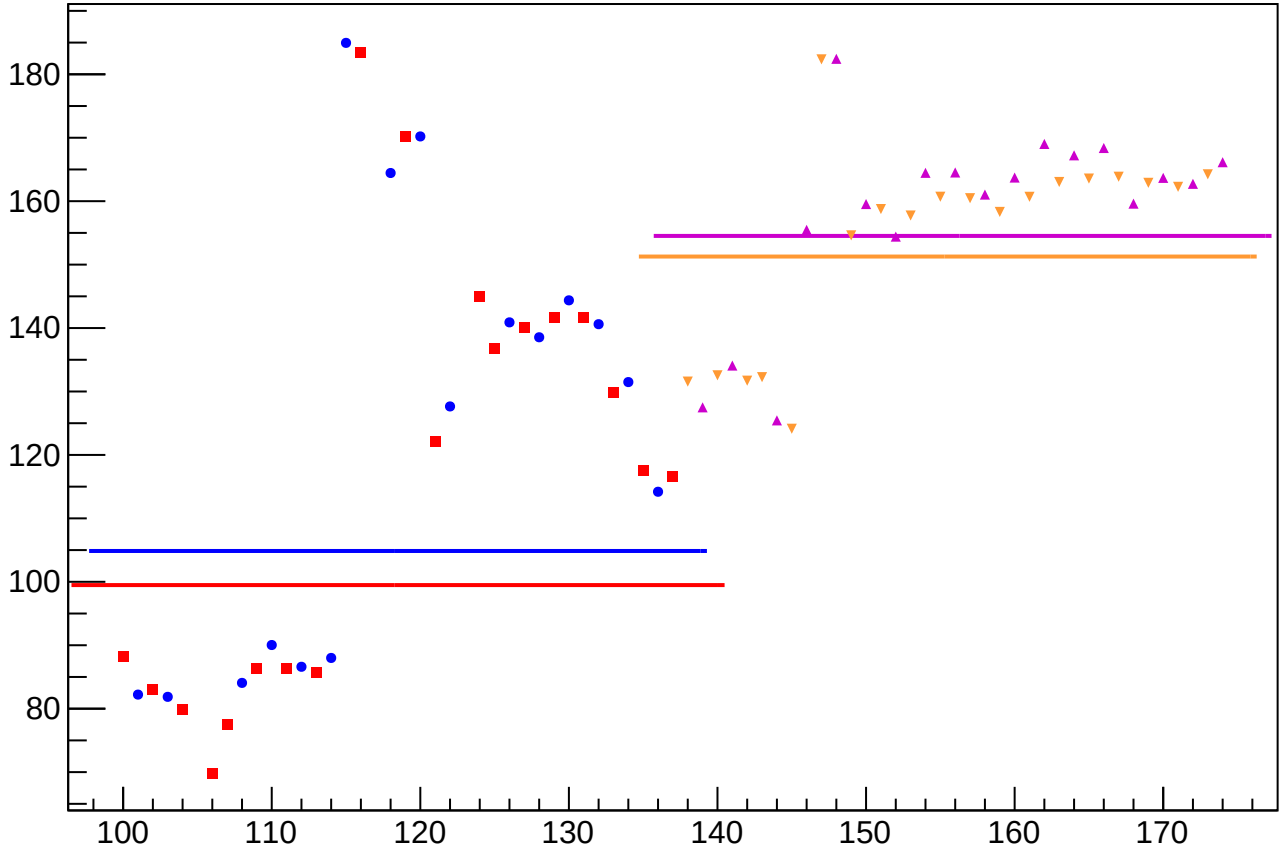
Right: 44.806+/-27.629 χ^2/NDF: 37.1/34

In: 99.116+/-28.517 χ^2/NDF:48.1/33

Out: 133.647+/-27.268 χ^2/NDF:44.0/37

All: 117.154+/-19.708 χ^2/NDF: 92.9/71

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 104.860+/-0.029 χ^2/NDF: 931227.7/15

Left Out: 151.272+/-0.028 χ^2/NDF:325100.5/18

Right Out: 99.484+/-0.027 χ^2/NDF: 1041224.0/18

Left In: 154.524+/-0.028 χ^2/NDF:321177.9/17

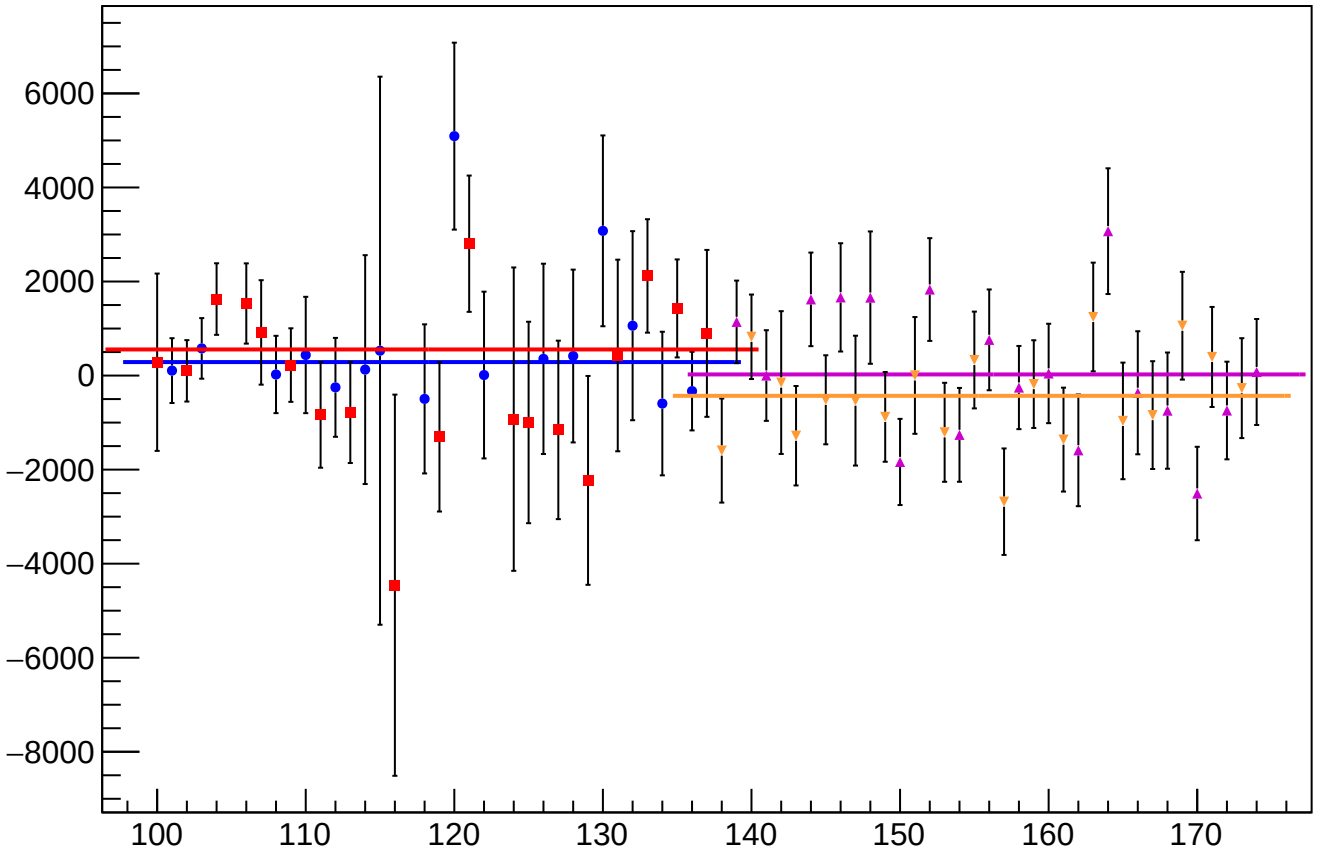
Left: 152.855+/-0.020 χ^2/NDF: 652961.6/36

Right: 102.004+/-0.020 χ^2/NDF: 1991307.5/34

In: 129.722+/-0.020 χ^2/NDF:2769005.7/33

Out: 124.476+/-0.019 χ^2/NDF:3167667.5/37

All: 126.982+/-0.014 χ^2/NDF: 5972030.3/71



Right In: 286.918+/-293.473 χ^2/NDF: 9.7/15

Left Out: -430.629+/-249.534 χ^2/NDF:14.7/18

Right Out: 555.436+/-269.953 χ^2/NDF: 18.0/18

Left In: 24.222+/-250.339 χ^2/NDF:31.2/17

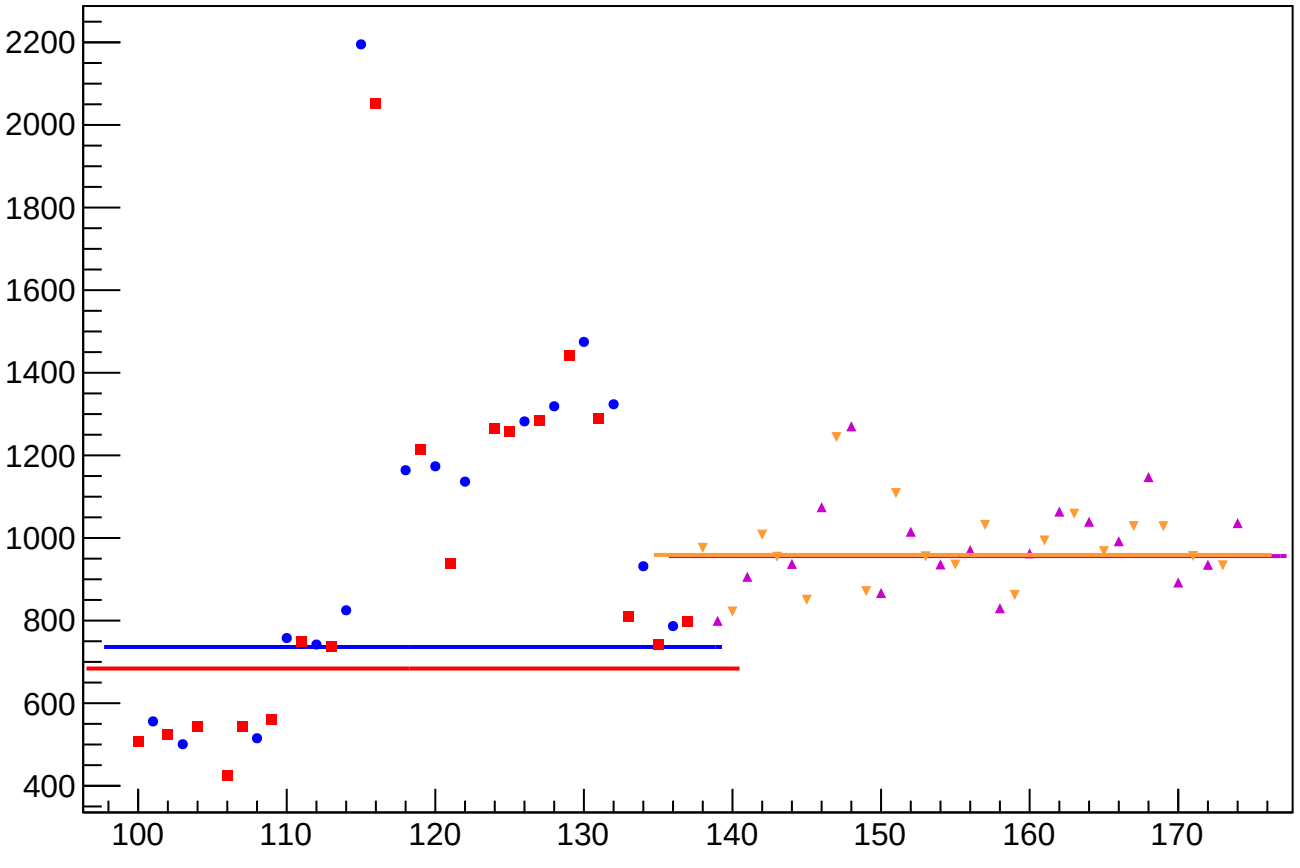
Left: -203.937+/-176.731 χ^2/NDF: 47.5/36

Right: 432.367+/-198.681 χ^2/NDF: 28.2/34

In: 134.863+/-190.459 χ^2/NDF:41.4/33

Out: 23.704+/-183.241 χ^2/NDF:39.9/37

All: 77.137+/-132.049 χ^2/NDF: 81.4/71



Right In: 736.083+/-0.208 χ^2/NDF: 1844498.2/15

Left Out: 959.015+/-0.176 χ^2/NDF:270709.6/18

Right Out: 683.981+/-0.191 χ^2/NDF: 1850402.3/18

Left In: 956.193+/-0.177 χ^2/NDF:350337.8/17

Left: 957.608+/-0.125 χ^2/NDF: 621174.9/36

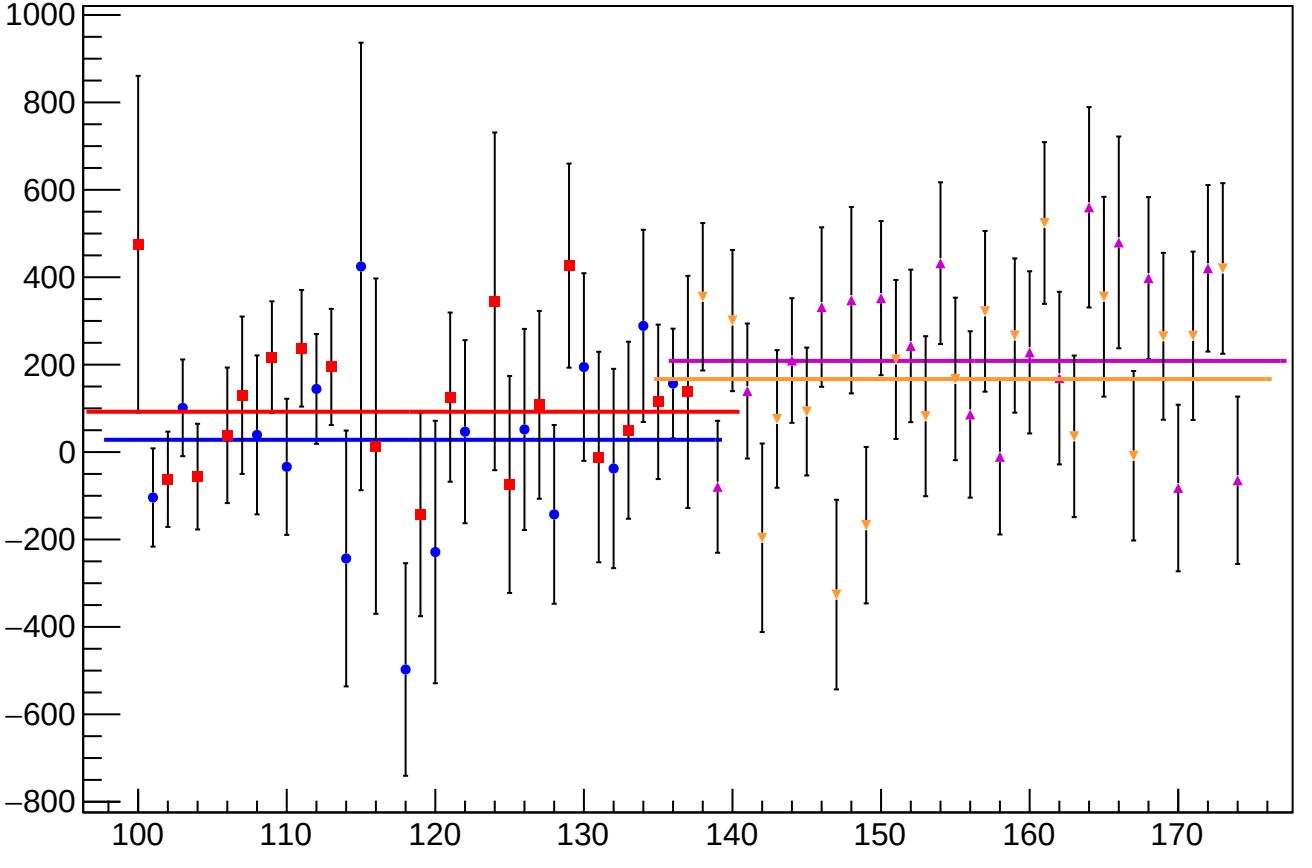
Right: 707.861+/-0.140 χ^2/NDF: 3729047.2/34

In: 863.488+/-0.135 χ^2/NDF:2846036.0/33

Out: 832.292+/-0.130 χ^2/NDF:3240588.3/37

All: 847.287+/-0.093 χ^2/NDF: 6114487.8/71

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 28.094+/-43.439 χ^2/NDF: 13.6/15

Left Out: 167.068+/-41.882 χ^2/NDF:23.3/18

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 208.562+/-42.922 χ^2/NDF:19.1/17

Left: 187.306+/-29.976 χ^2/NDF: 42.9/36

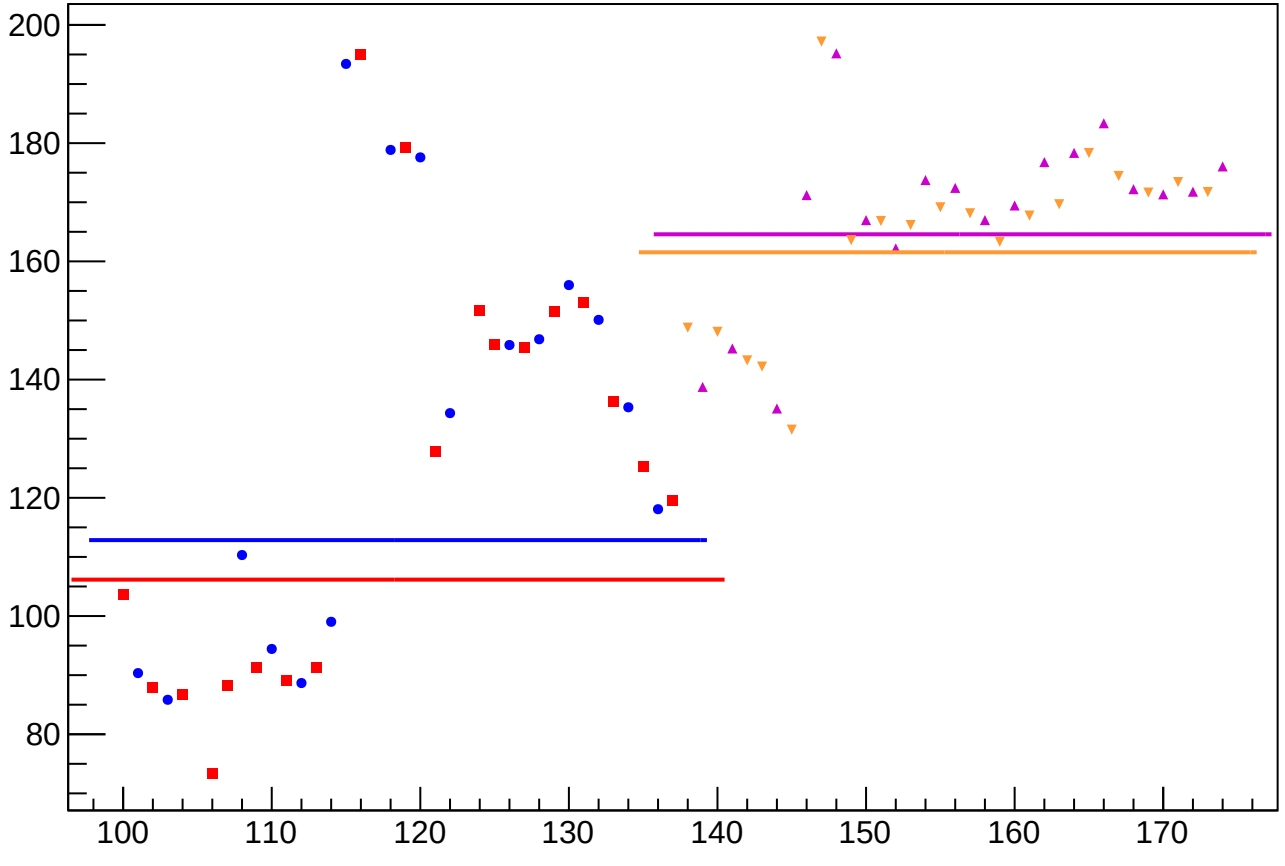
Right: 62.383+/-29.638 χ^2/NDF: 26.4/34

In: 119.407+/-30.532 χ^2/NDF:41.4/33

Out: 128.438+/-29.129 χ^2/NDF:36.6/37

All: 124.135+/-21.076 χ^2/NDF: 78.1/71

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.843+/-0.031 χ^2/NDF: 872225.9/15

Left Out: 161.538+/-0.030 χ^2/NDF:261805.7/18

Right Out: 106.159+/-0.029 χ^2/NDF: 1002148.0/18

Left In: 164.581+/-0.030 χ^2/NDF:272715.0/17

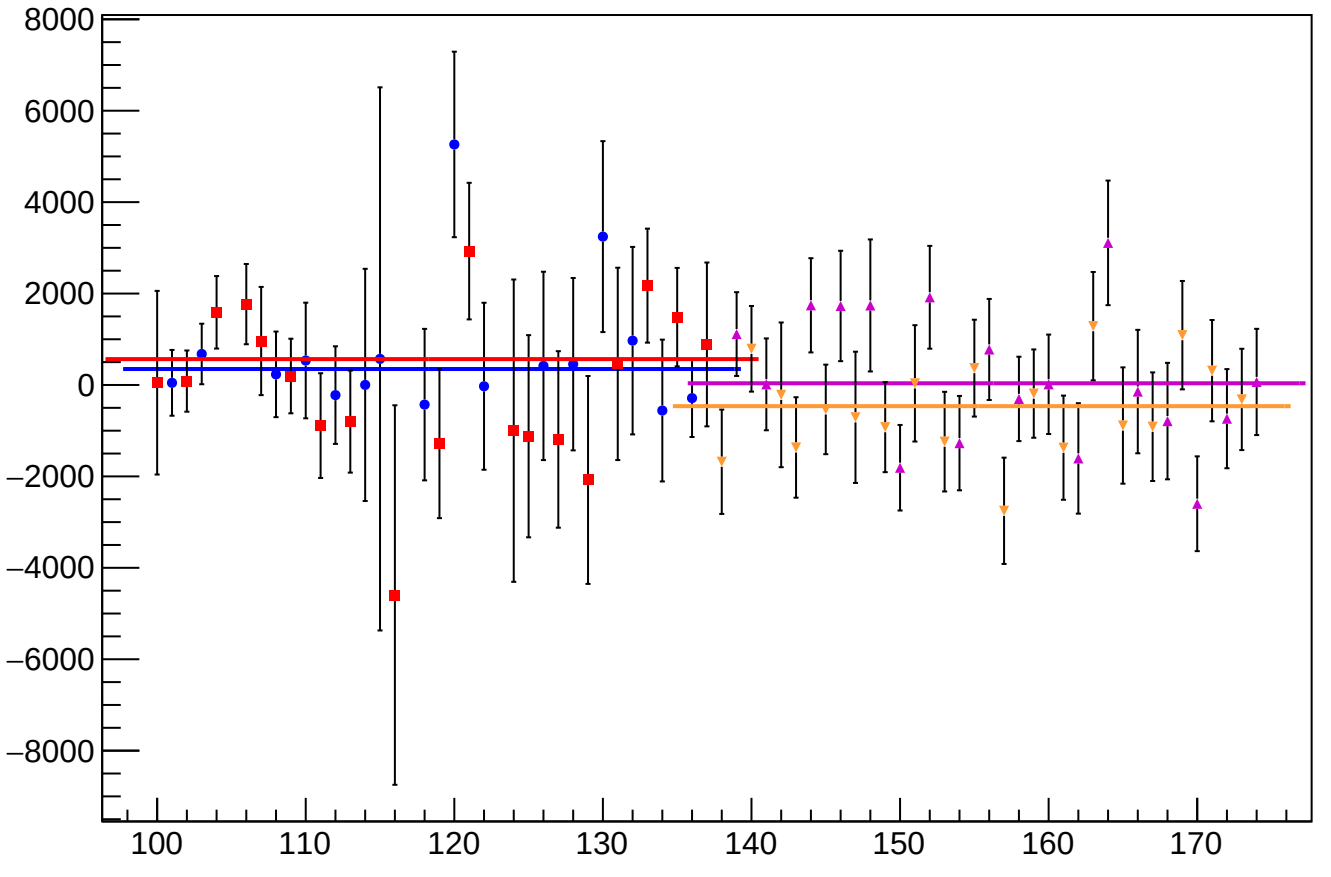
Left: 163.022+/-0.021 χ^2/NDF: 539668.2/36

Right: 109.270+/-0.021 χ^2/NDF: 1899683.8/34

In: 139.021+/-0.022 χ^2/NDF:2580527.8/33

Out: 132.946+/-0.021 χ^2/NDF:3069355.2/37

All: 135.841+/-0.015 χ^2/NDF: 5691332.1/71



Right In: 349.112+/-305.328 χ^2/NDF: 9.8/15

Left Out: -463.456+/-258.171 χ^2/NDF:14.4/18

Right Out: 566.026+/-279.219 χ^2/NDF: 18.3/18

Left In: 37.498+/-259.019 χ^2/NDF:30.7/17

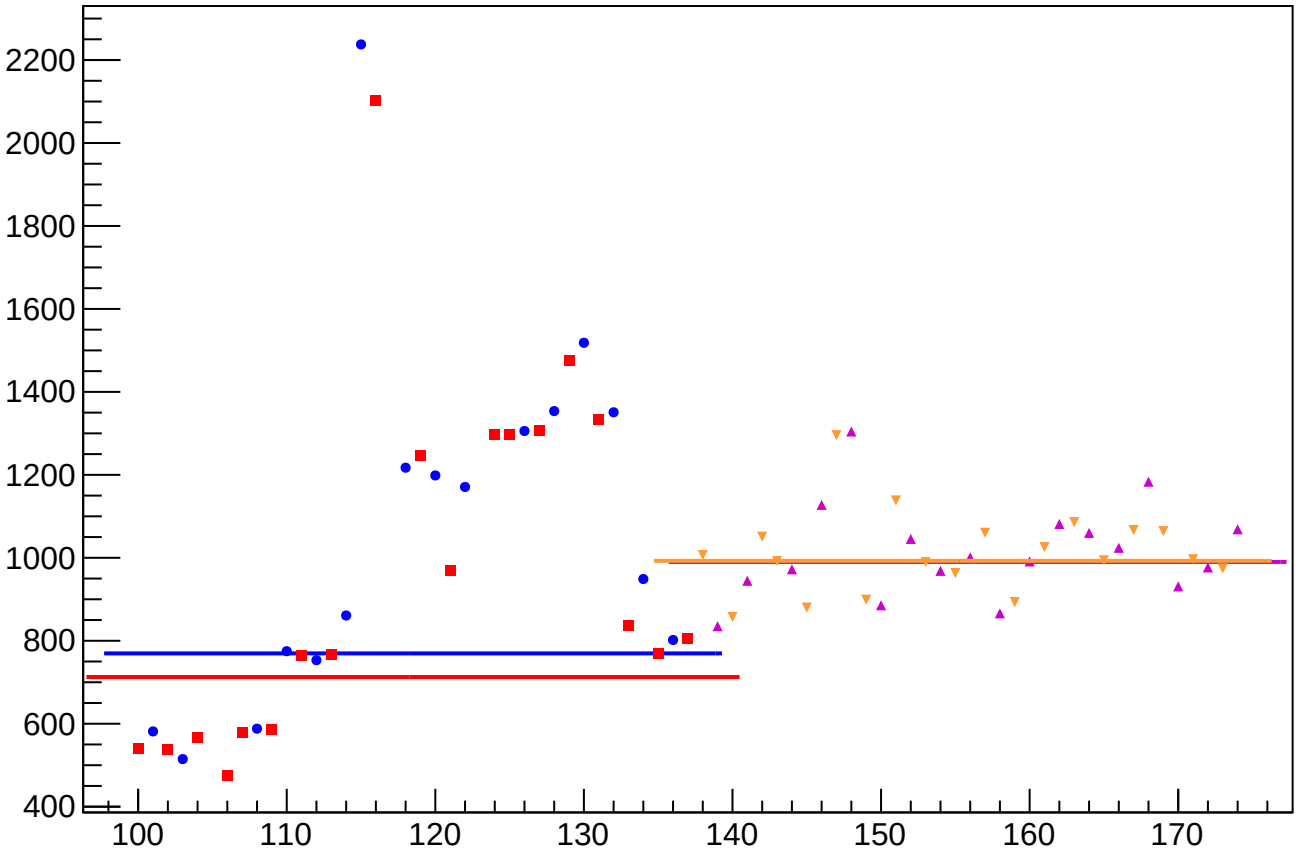
Left: -213.800+/-182.854 χ^2/NDF: 47.0/36

Right: 467.239+/-206.051 χ^2/NDF: 28.4/34

In: 167.905+/-197.519 χ^2/NDF:41.1/33

Out: 11.027+/-189.559 χ^2/NDF:40.0/37

All: 86.241+/-136.766 χ^2/NDF: 81.5/71



Right In: 769.557+/-0.216 χ^2/NDF: 1739937.3/15

Left Out: 992.755+/-0.183 χ^2/NDF:263769.8/18

Right Out: 712.628+/-0.197 χ^2/NDF: 1767226.6/18

Left In: 990.036+/-0.183 χ^2/NDF:329578.7/17

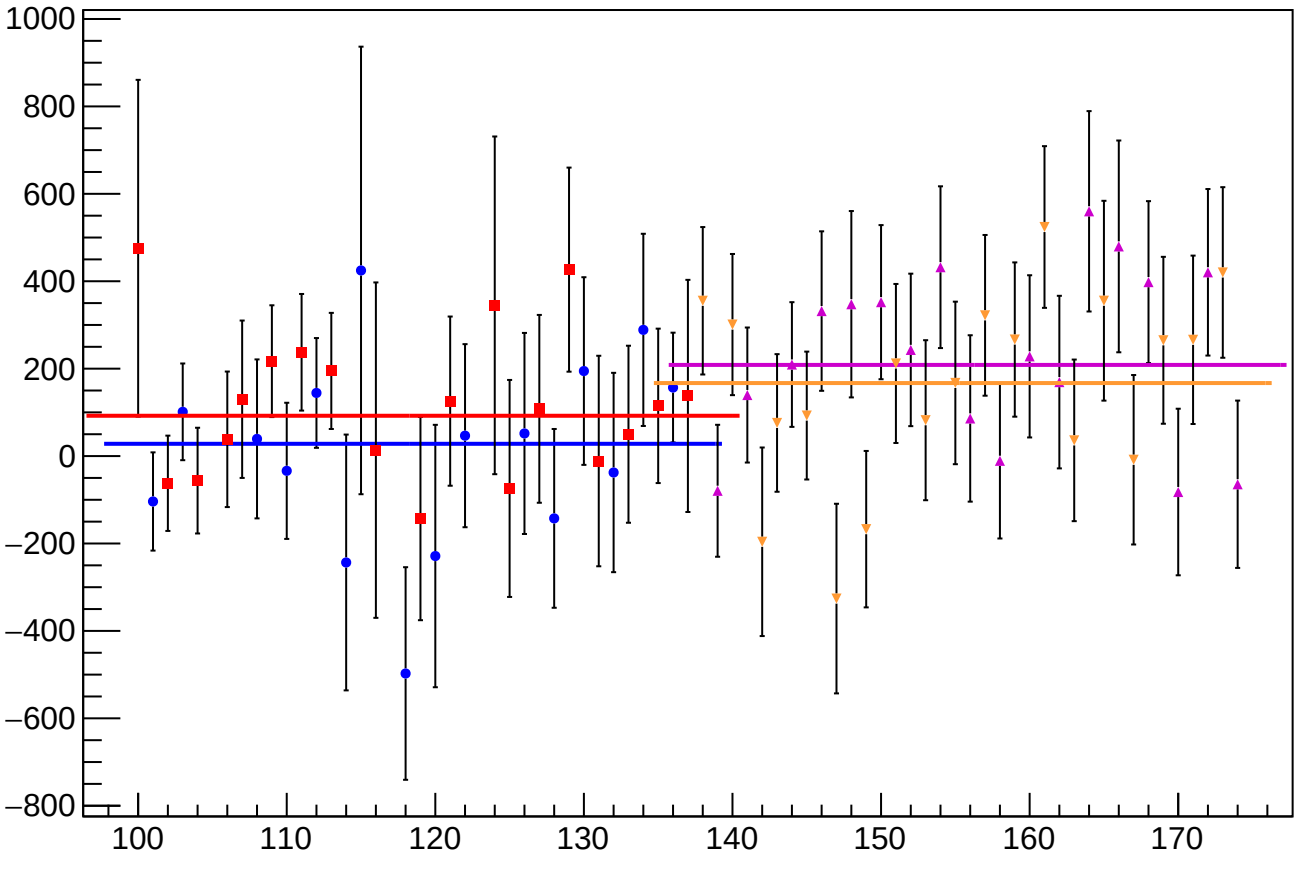
Left: 991.400+/-0.129 χ^2/NDF: 593459.0/36

Right: 738.555+/-0.146 χ^2/NDF: 3545027.5/34

In: 897.768+/-0.140 χ^2/NDF:2675955.4/33

Out: 863.646+/-0.134 χ^2/NDF:3116232.0/37

All: 880.006+/-0.097 χ^2/NDF: 5823257.2/71



Right In: 28.093+/-43.439 χ^2/NDF: 13.6/15

Left Out: 167.069+/-41.882 χ^2/NDF:23.3/18

Right Out: 92.247+/-40.539 χ^2/NDF: 11.7/18

Left In: 208.563+/-42.922 χ^2/NDF:19.1/17

Left: 187.307+/-29.976 χ^2/NDF: 42.9/36

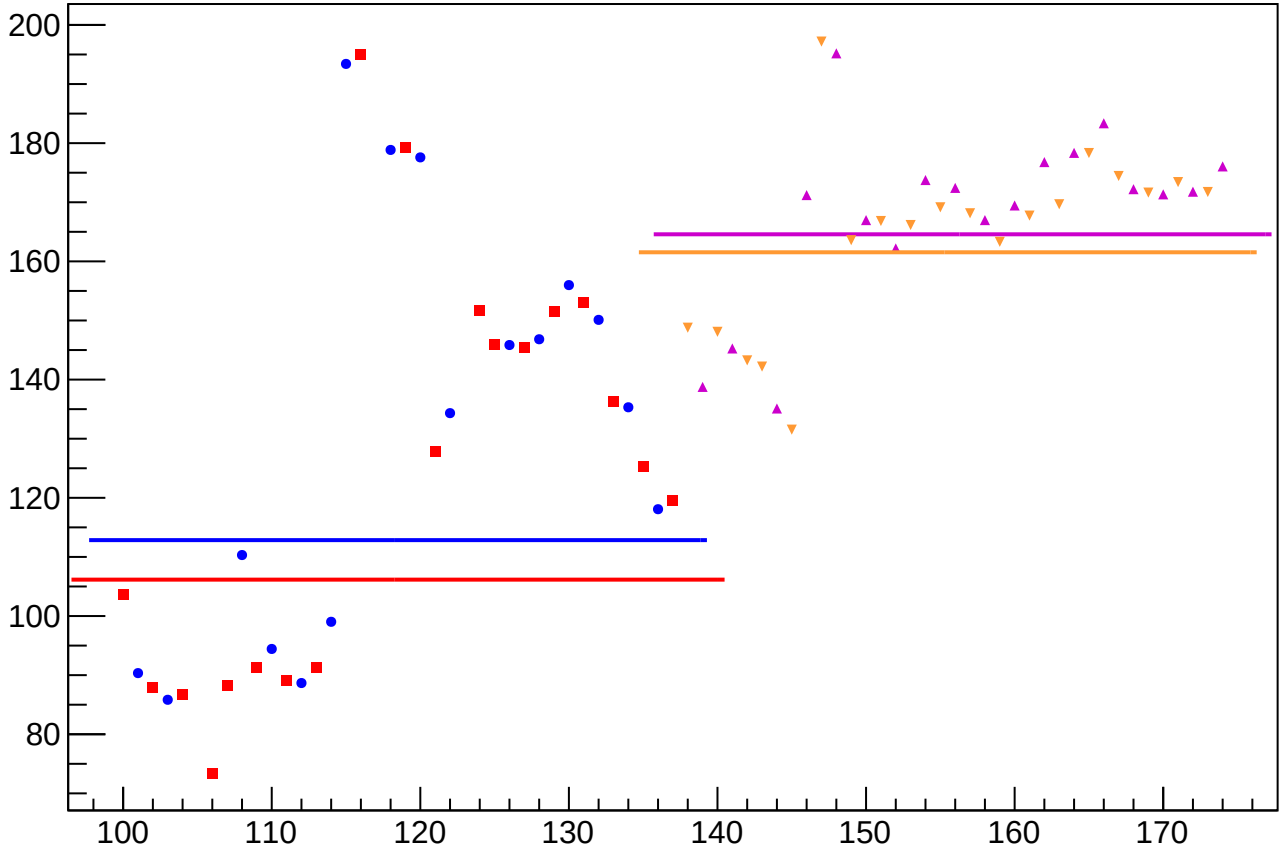
Right: 62.383+/-29.637 χ^2/NDF: 26.4/34

In: 119.407+/-30.532 χ^2/NDF:41.4/33

Out: 128.439+/-29.128 χ^2/NDF:36.6/37

All: 124.135+/-21.076 χ^2/NDF: 78.1/71

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 112.842+/-0.031 χ^2/NDF: 872219.7/15

Left Out: 161.539+/-0.030 χ^2/NDF:261806.1/18

Right Out: 106.158+/-0.029 χ^2/NDF: 1002136.6/18

Left In: 164.581+/-0.030 χ^2/NDF:272710.0/17

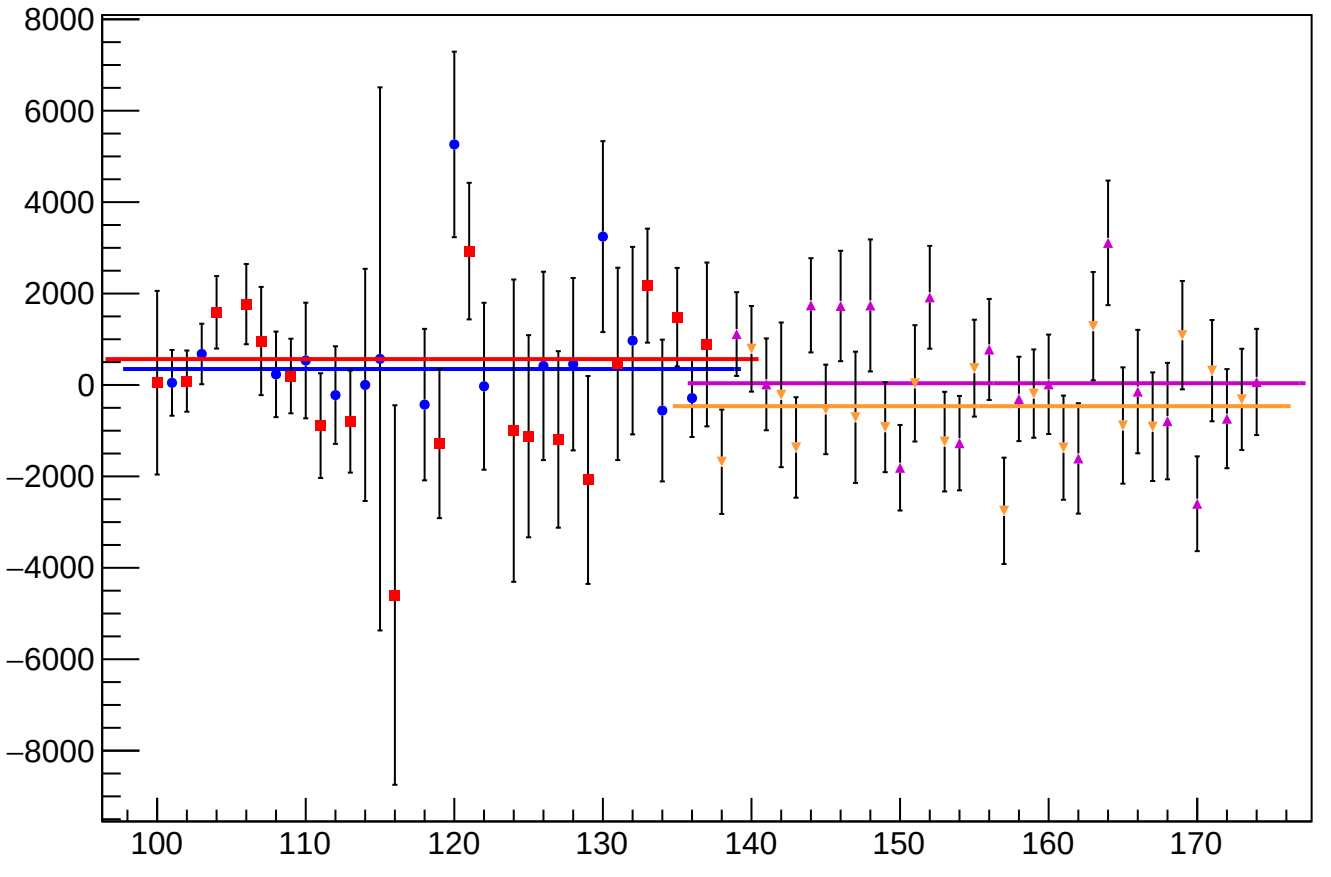
Left: 163.022+/-0.021 χ^2/NDF: 539664.1/36

Right: 109.270+/-0.021 χ^2/NDF: 1899665.6/34

In: 139.021+/-0.022 χ^2/NDF:2580552.0/33

Out: 132.946+/-0.021 χ^2/NDF:3069371.9/37

All: 135.841+/-0.015 χ^2/NDF: 5691373.1/71



Right In: 349.111+/-305.328 χ^2/NDF: 9.8/15

Left Out: -463.455+/-258.172 χ^2/NDF:14.4/18

Right Out: 566.026+/-279.218 χ^2/NDF: 18.3/18

Left In: 37.498+/-259.019 χ^2/NDF:30.7/17

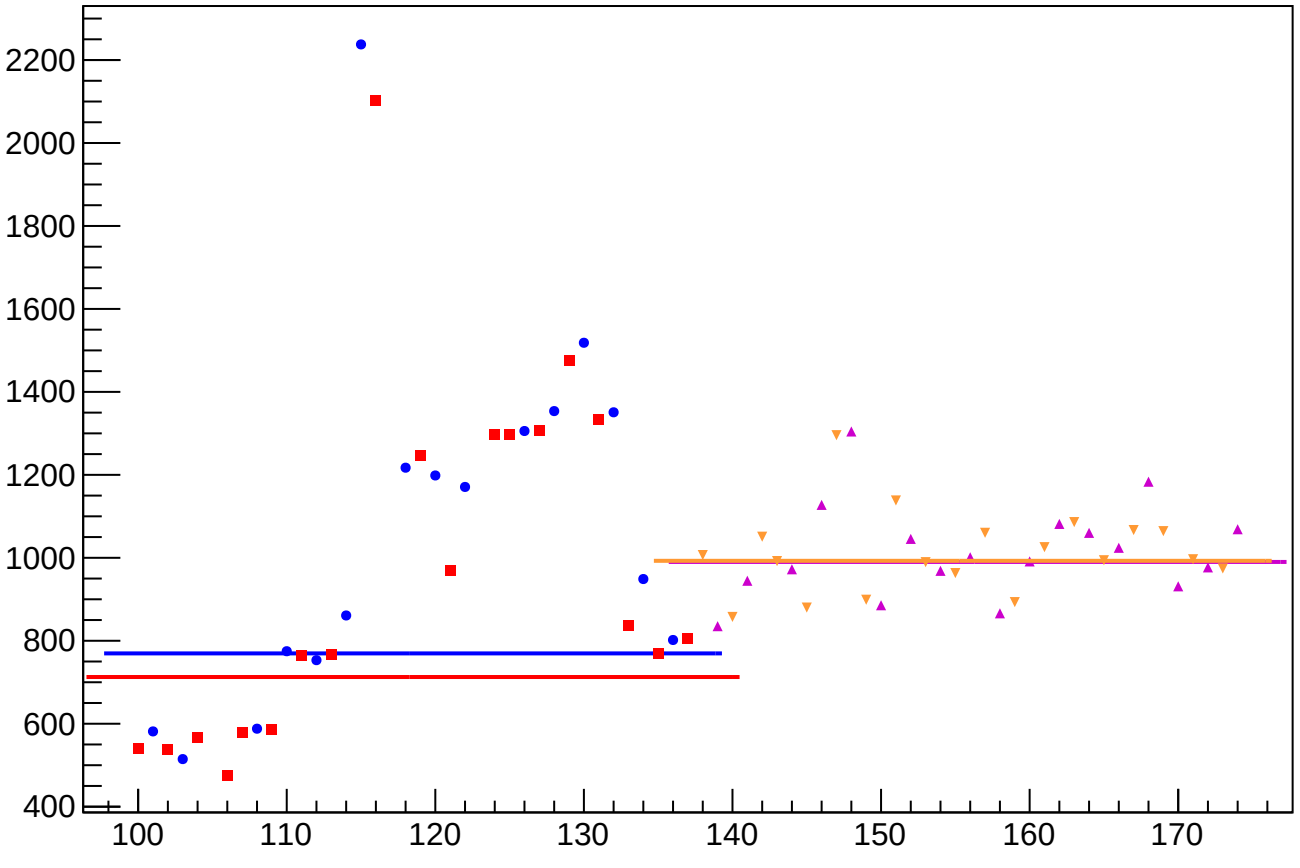
Left: -213.800+/-182.854 χ^2/NDF: 47.0/36

Right: 467.238+/-206.050 χ^2/NDF: 28.4/34

In: 167.905+/-197.519 χ^2/NDF:41.1/33

Out: 11.028+/-189.559 χ^2/NDF:40.0/37

All: 86.242+/-136.766 χ^2/NDF: 81.5/71



Right In: 769.556+/-0.216 χ^2/NDF: 1739933.9/15

Left Out: 992.757+/-0.183 χ^2/NDF:263769.6/18

Right Out: 712.627+/-0.197 χ^2/NDF: 1767219.7/18

Left In: 990.038+/-0.183 χ^2/NDF:329578.2/17

Left: 991.402+/-0.129 χ^2/NDF: 593458.3/36

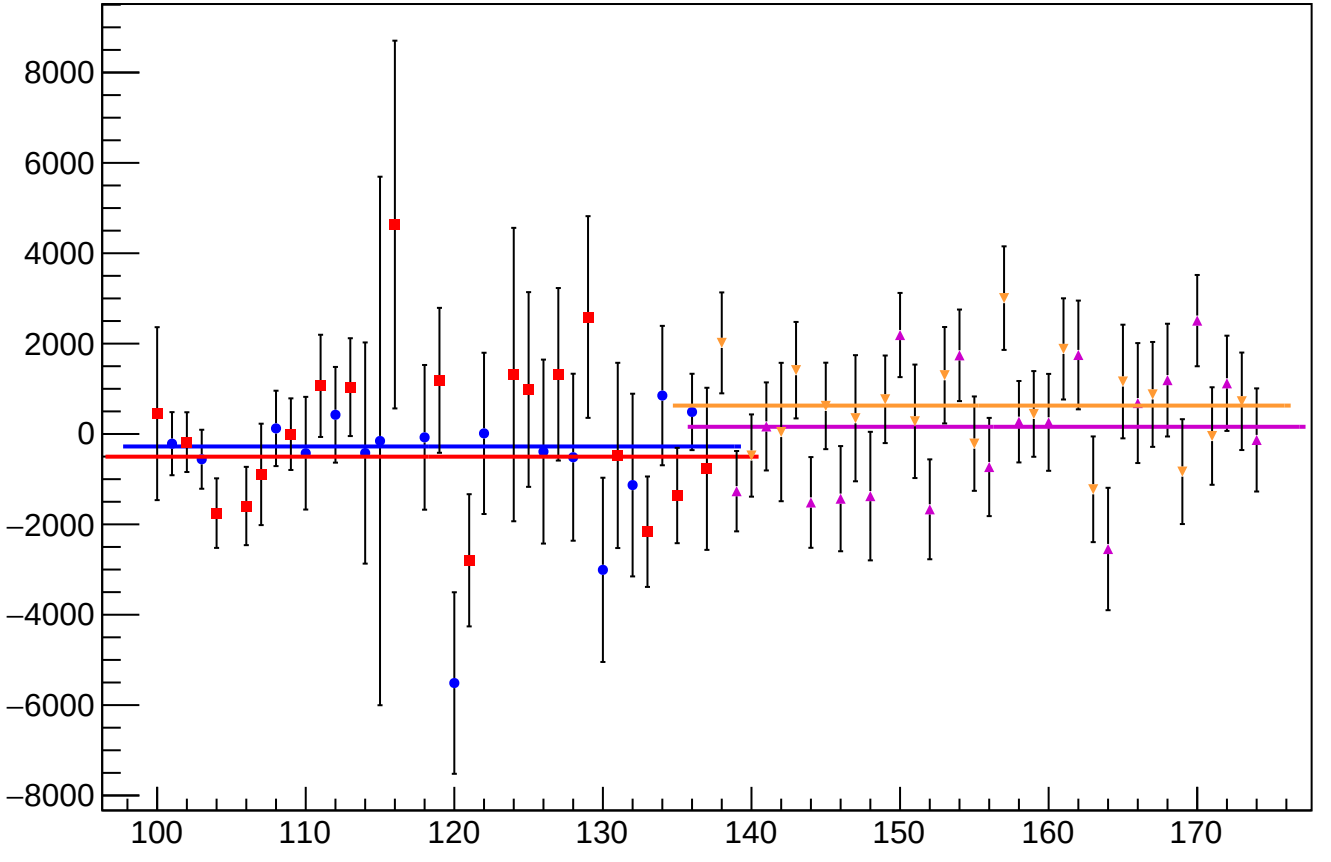
Right: 738.554+/-0.146 χ^2/NDF: 3545017.2/34

In: 897.768+/-0.140 χ^2/NDF:2675967.1/33

Out: 863.646+/-0.134 χ^2/NDF:3116246.3/37

All: 880.006+/-0.097 χ^2/NDF: 5823283.4/71

asym_sam5_mean vs Slug, Sign Corrected



Right In: -276.199+/-296.708 χ^2/NDF: 11.1/15

Left Out: 628.601+/-252.778 χ^2/NDF:15.2/18

Right Out: -501.985+/-272.991 χ^2/NDF: 20.5/18

Left In: 159.284+/-253.770 χ^2/NDF:31.9/17

Left: 394.861+/-179.091 χ^2/NDF: 48.8/36

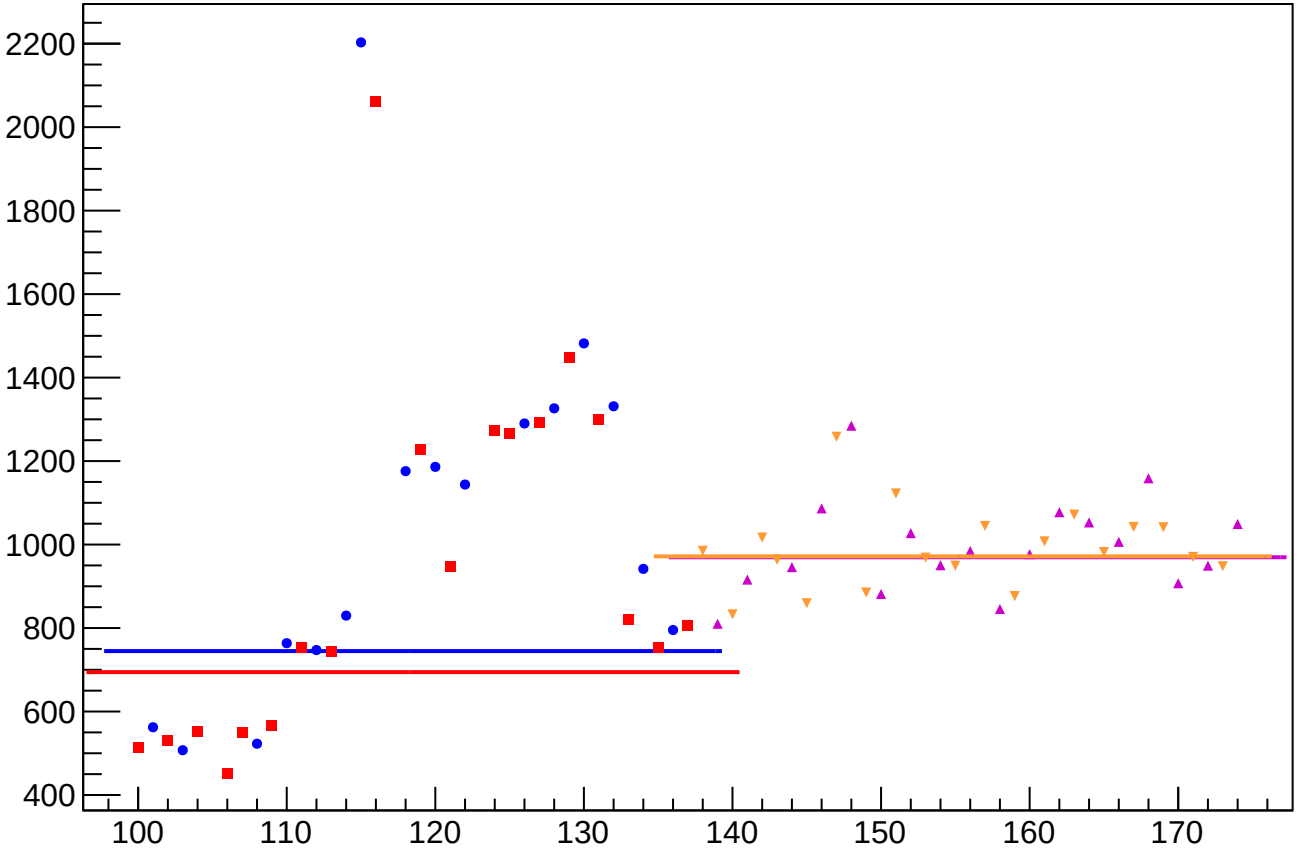
Right: -398.475+/-200.896 χ^2/NDF: 31.9/34

In: -24.694+/-192.854 χ^2/NDF:44.2/33

Out: 106.707+/-185.476 χ^2/NDF:44.9/37

All: 43.568+/-133.683 χ^2/NDF: 89.3/71

asym_sam5_rms vs Slug, Sign Corrected



Right In: 744.783+/-0.210 χ^2/NDF: 1822553.5/15

Left Out: 971.709+/-0.179 χ^2/NDF:266858.5/18

Right Out: 694.348+/-0.193 χ^2/NDF: 1803741.9/18

Left In: 969.578+/-0.179 χ^2/NDF:341305.5/17

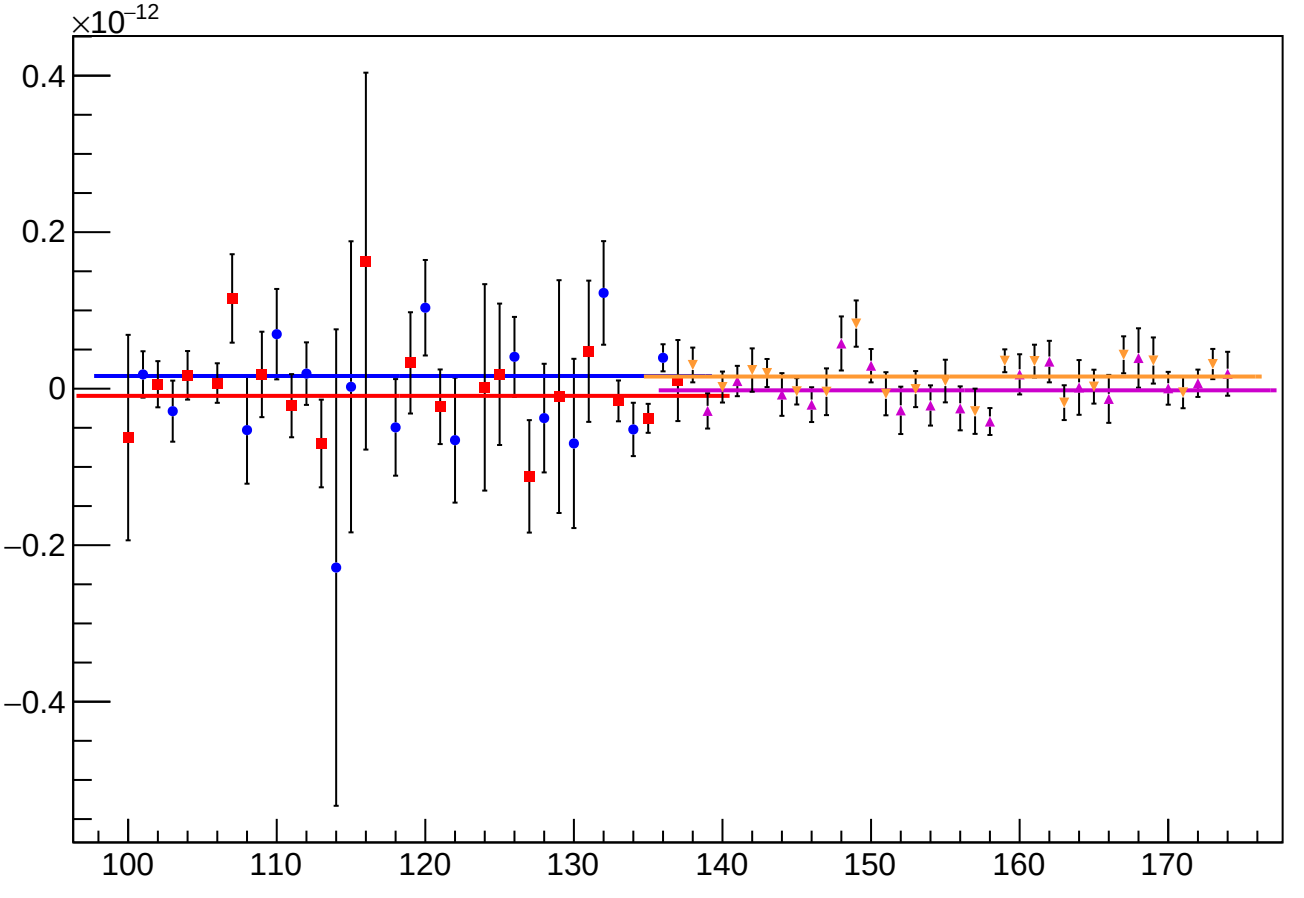
Left: 970.648+/-0.127 χ^2/NDF: 608234.8/36

Right: 717.469+/-0.142 χ^2/NDF: 3657590.2/34

In: 874.609+/-0.136 χ^2/NDF:2826868.9/33

Out: 843.676+/-0.131 χ^2/NDF:3182127.4/37

All: 858.539+/-0.095 χ^2/NDF: 6035726.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.1/18

Left In: -0.000+/-0.000 χ^2/NDF:19.7/17

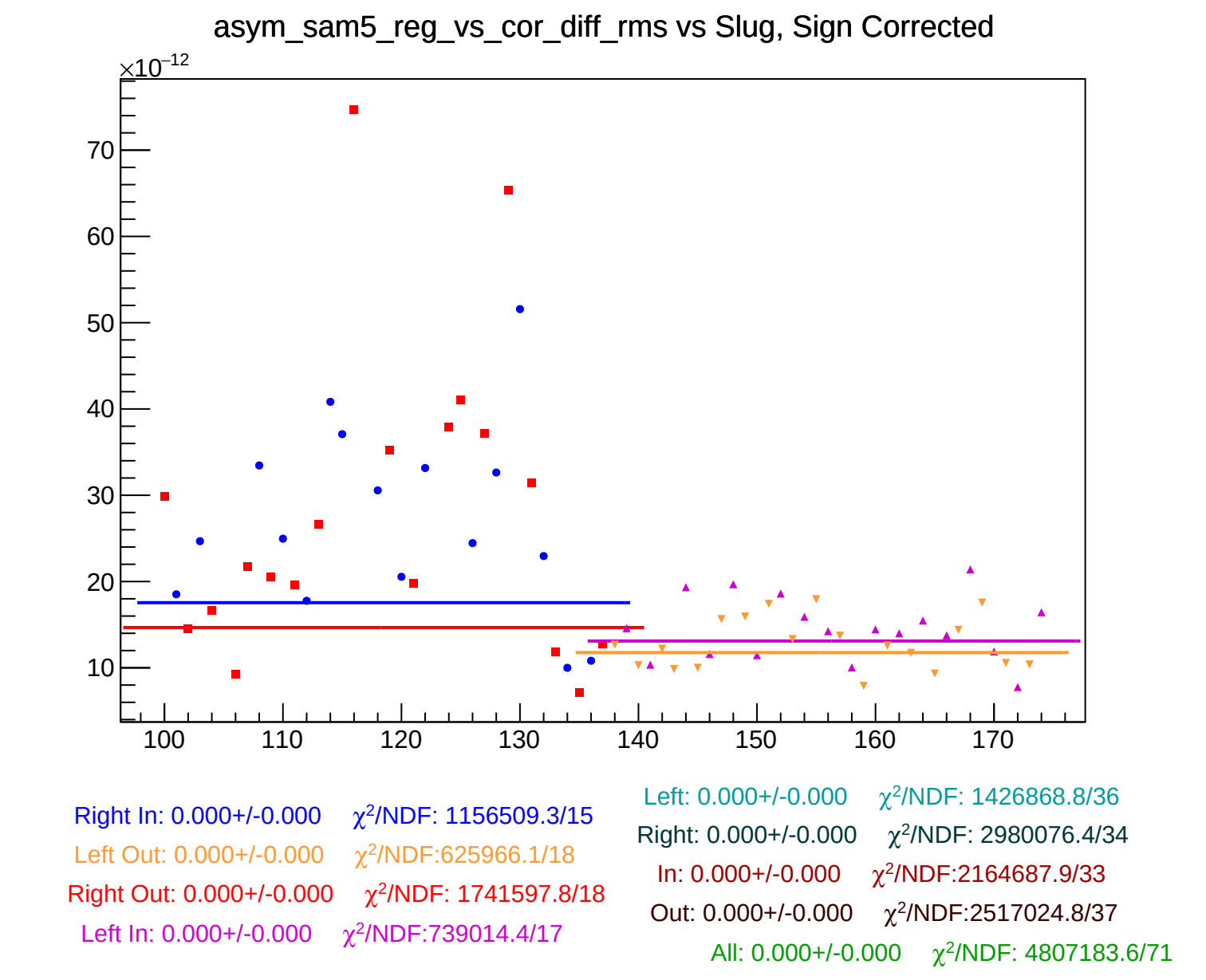
Left: 0.000+/-0.000 χ^2/NDF: 45.5/36

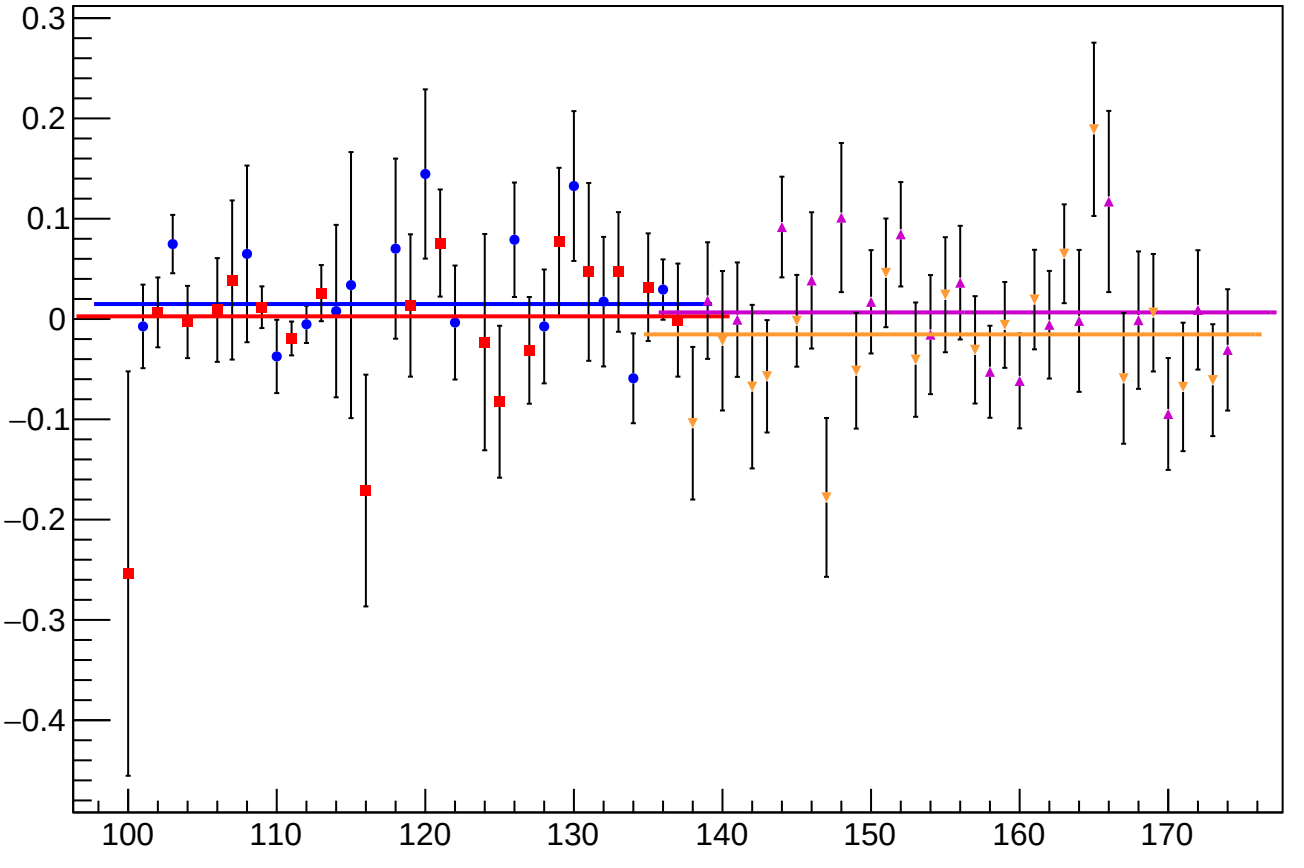
Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: 0.000+/-0.000 χ^2/NDF:39.9/33

Out: 0.000+/-0.000 χ^2/NDF:40.0/37

All: 0.000+/-0.000 χ^2/NDF: 81.3/71


asym_sam5_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1156509.3/15
Left Out: 0.000+/-0.000 χ²/NDF:625966.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 1741597.8/18
Left In: 0.000+/-0.000 χ²/NDF:739014.4/17
Left: 0.000+/-0.000 χ²/NDF: 1426868.8/36
Right: 0.000+/-0.000 χ²/NDF: 2980076.4/34
In: 0.000+/-0.000 χ²/NDF:2164687.9/33
Out: 0.000+/-0.000 χ²/NDF:2517024.8/37
All: 0.000+/-0.000 χ²/NDF: 4807183.6/71



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/18

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.014 χ^2/NDF:16.5/17

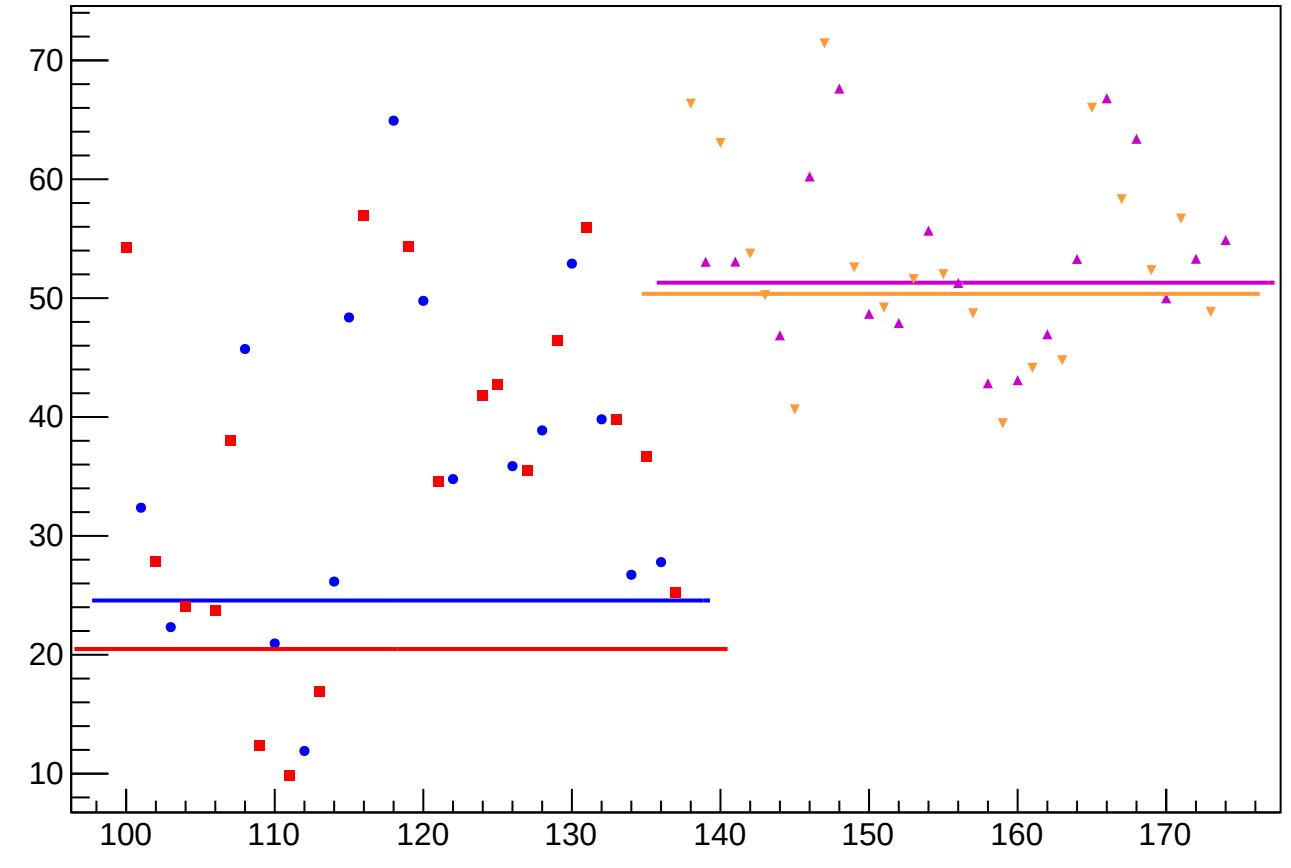
Left: -0.005+/-0.009 χ^2/NDF: 37.6/36

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.5/33

Out: -0.003+/-0.008 χ^2/NDF:33.5/37

All: 0.004+/-0.006 χ^2/NDF: 69.7/71



Right In: 24.566+/-0.007 χ^2/NDF: 2484530.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704140.2/18

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

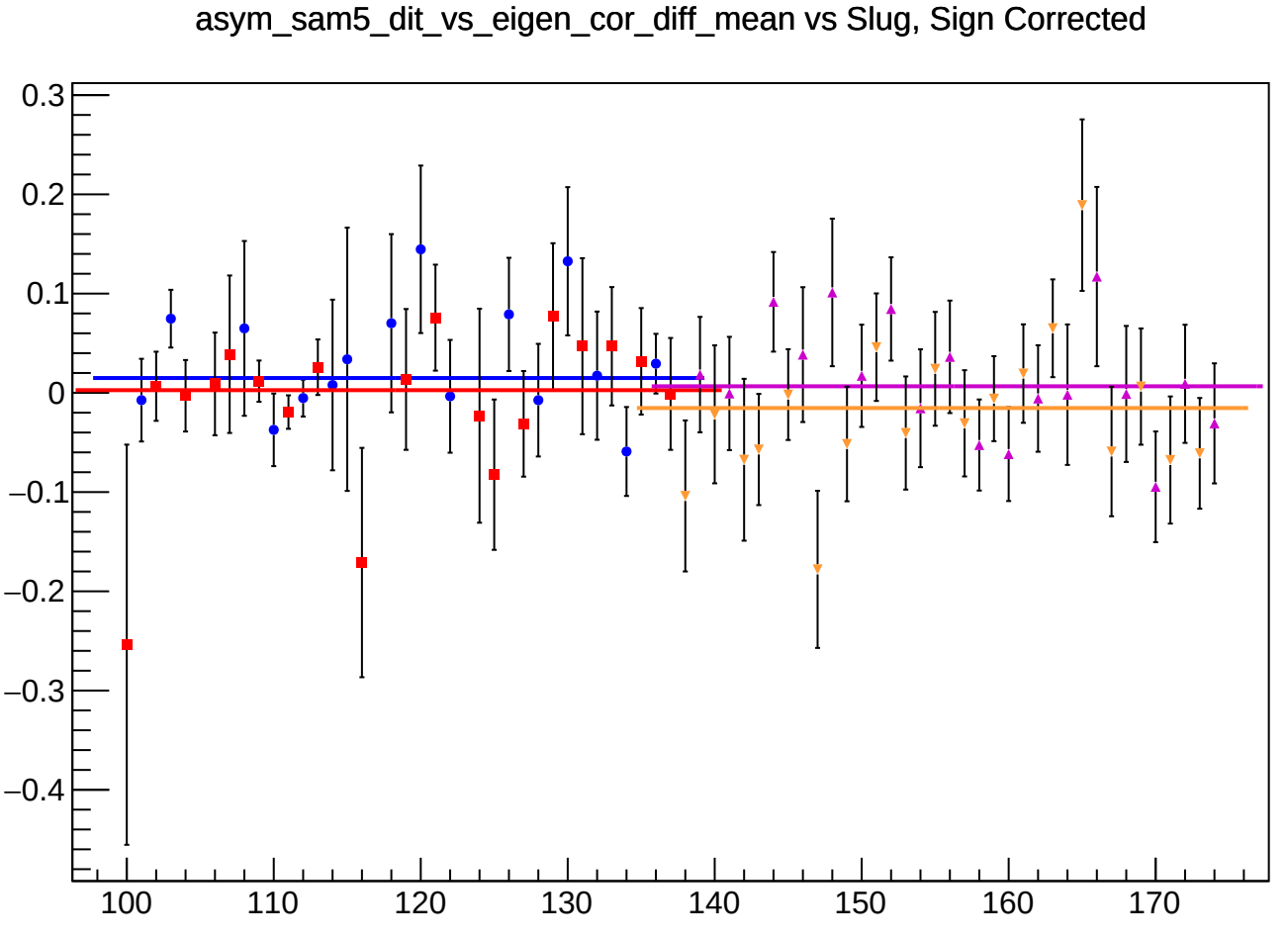
Left: 50.820+/-0.007 χ^2/NDF: 1158542.9/36

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

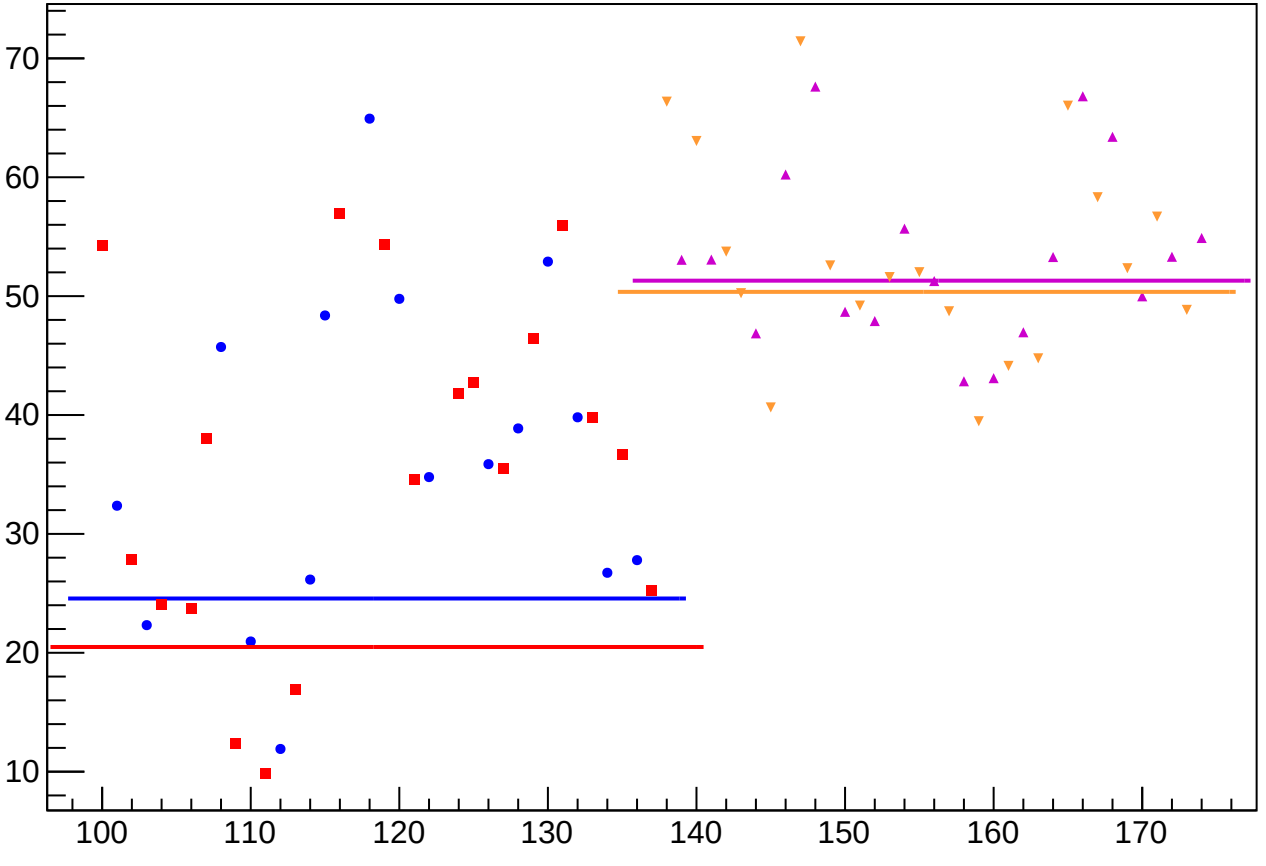
In: 34.670+/-0.006 χ^2/NDF:7753797.7/33

Out: 30.220+/-0.005 χ^2/NDF:11118955.4/37

All: 32.229+/-0.004 χ^2/NDF: 19184258.8/71


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: -0.015+/-0.013 χ²/NDF:19.8/18
Right Out: 0.003+/-0.009 χ²/NDF: 12.5/18
Left In: 0.007+/-0.014 χ²/NDF:16.5/17
Left: -0.005+/-0.009 χ²/NDF: 37.6/36
Right: 0.008+/-0.007 χ²/NDF: 31.0/34
In: 0.012+/-0.008 χ²/NDF:34.5/33
Out: -0.003+/-0.008 χ²/NDF:33.5/37
All: 0.004+/-0.006 χ²/NDF: 69.7/71

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: 50.360+/-0.009 χ^2/NDF:704140.2/18

Right Out: 20.488+/-0.007 χ^2/NDF: 3583938.4/18

Left In: 51.301+/-0.010 χ^2/NDF:449486.8/17

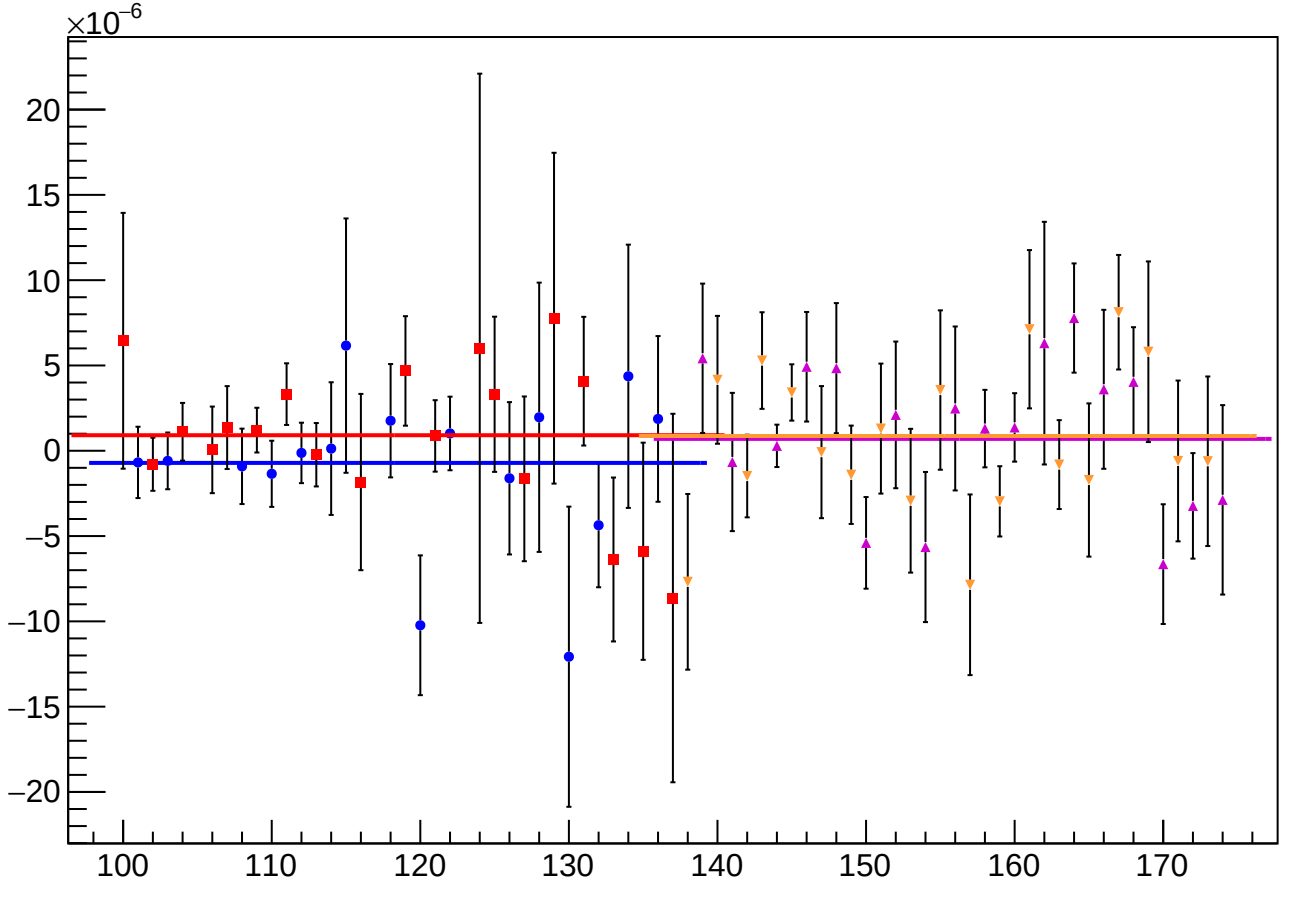
Left: 50.820+/-0.007 χ^2/NDF: 1158542.9/36

Right: 22.248+/-0.005 χ^2/NDF: 6237147.6/34

In: 34.670+/-0.006 χ^2/NDF:7753797.7/33

Out: 30.220+/-0.005 χ^2/NDF:11118955.4/37

All: 32.229+/-0.004 χ^2/NDF: 19184258.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 11.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.3/17

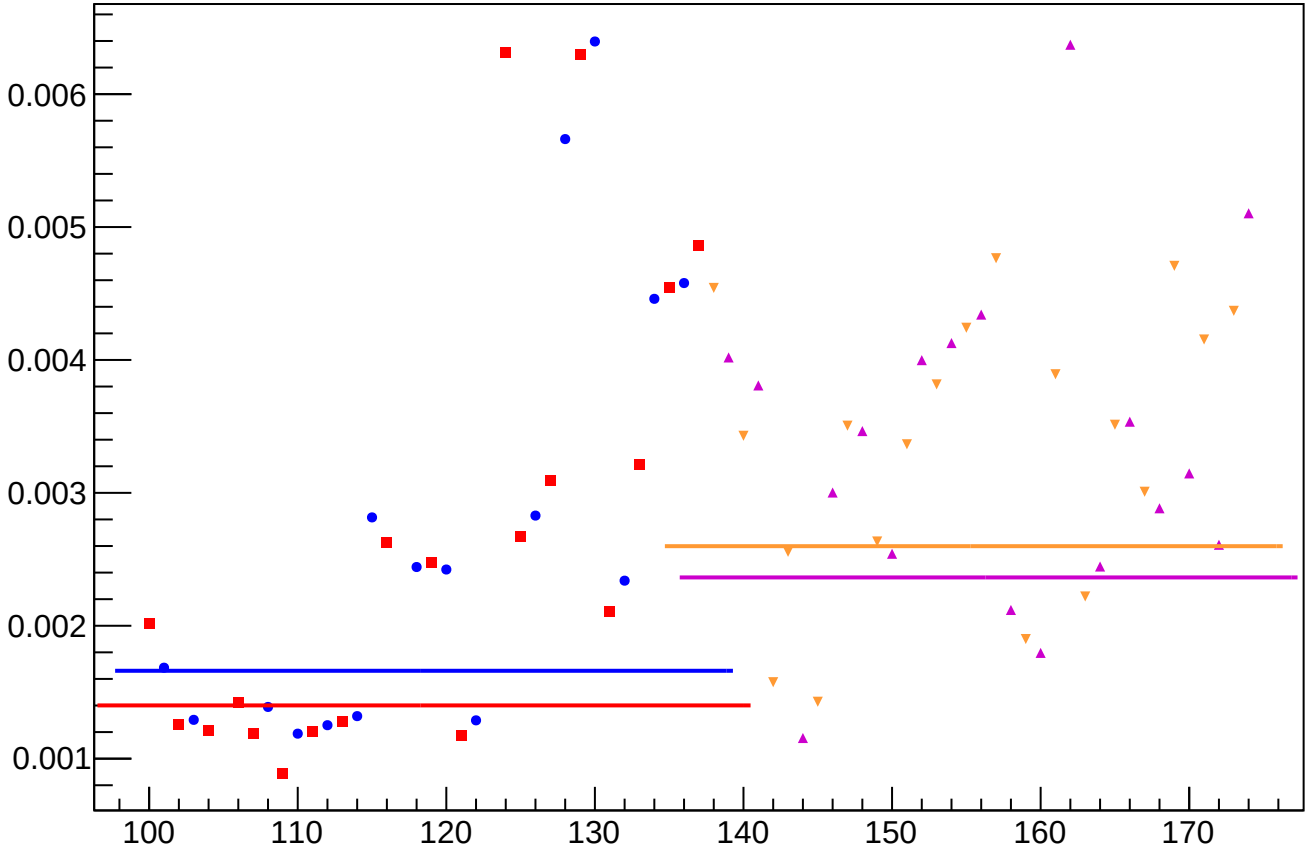
Left: 0.000+/-0.000 χ^2/NDF: 51.0/36

Right: 0.000+/-0.000 χ^2/NDF: 26.3/34

In: 0.000+/-0.000 χ^2/NDF:38.7/33

Out: 0.000+/-0.000 χ^2/NDF:37.5/37

All: 0.000+/-0.000 χ^2/NDF: 77.9/71



Right In: 0.002+/-0.000 χ^2/NDF: 2942035.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:4015958.2/18

Right Out: 0.001+/-0.000 χ^2/NDF: 2915624.2/18

Left In: 0.002+/-0.000 χ^2/NDF:5235591.0/17

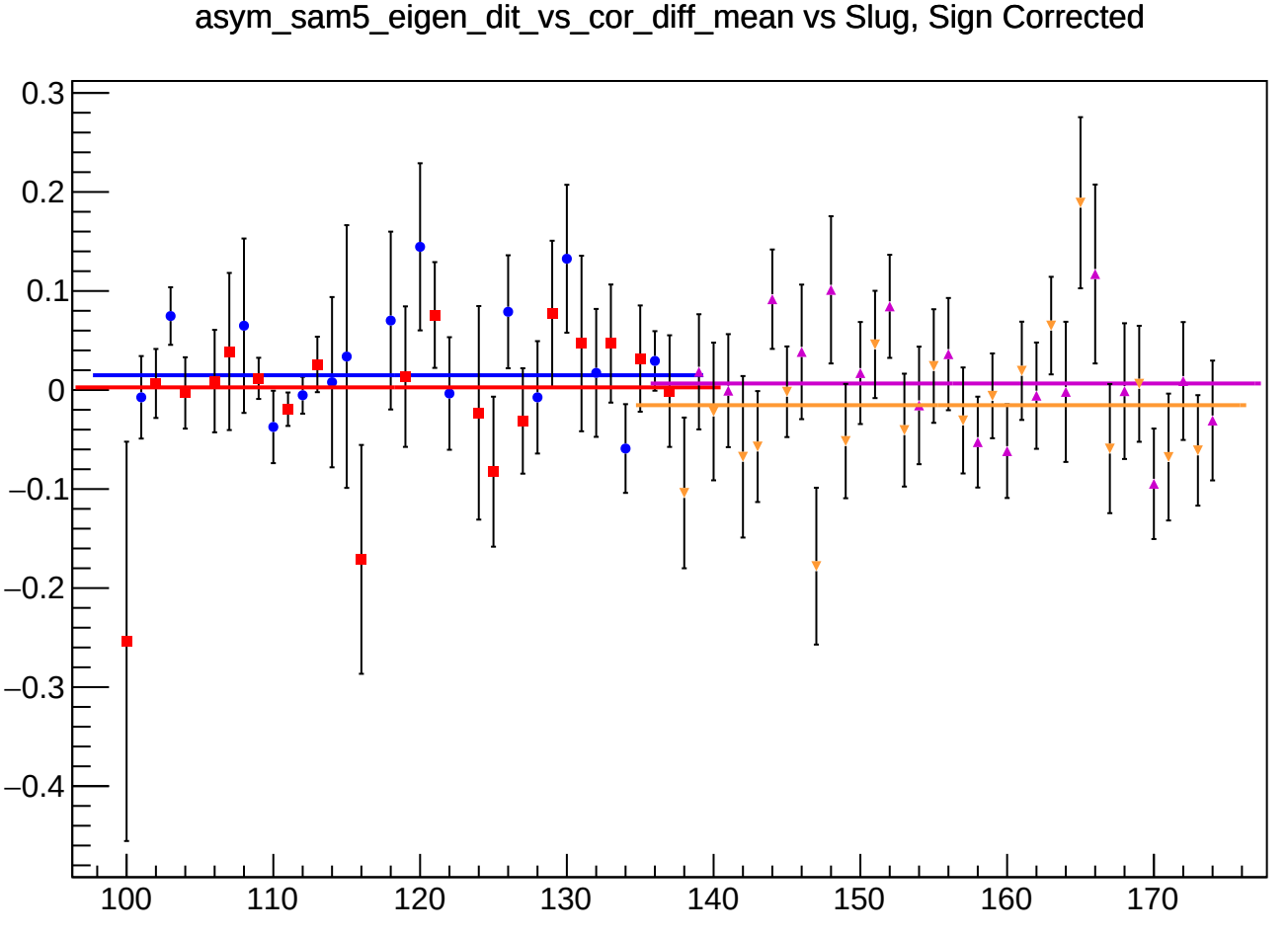
Left: 0.002+/-0.000 χ^2/NDF: 9361301.9/36

Right: 0.002+/-0.000 χ^2/NDF: 6020323.5/34

In: 0.002+/-0.000 χ^2/NDF:9208029.5/33

Out: 0.002+/-0.000 χ^2/NDF:10176976.9/37

All: 0.002+/-0.000 χ^2/NDF: 19487985.6/71



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/18

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.014 χ^2/NDF:16.5/17

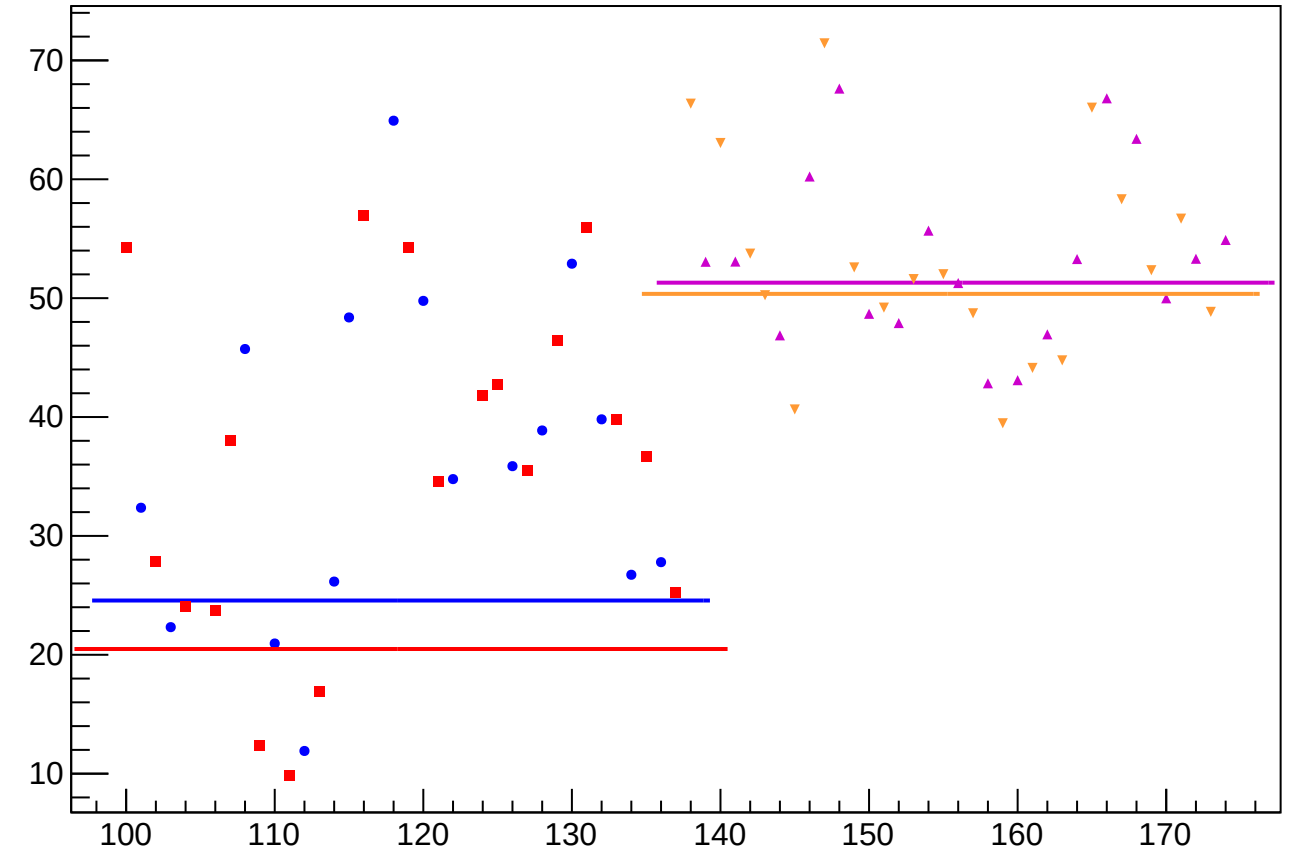
Left: -0.005+/-0.009 χ^2/NDF: 37.6/36

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.5/33

Out: -0.003+/-0.008 χ^2/NDF:33.5/37

All: 0.004+/-0.006 χ^2/NDF: 69.7/71



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704260.2/18

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

Left: 50.820+/-0.007 χ^2/NDF: 1158773.1/36

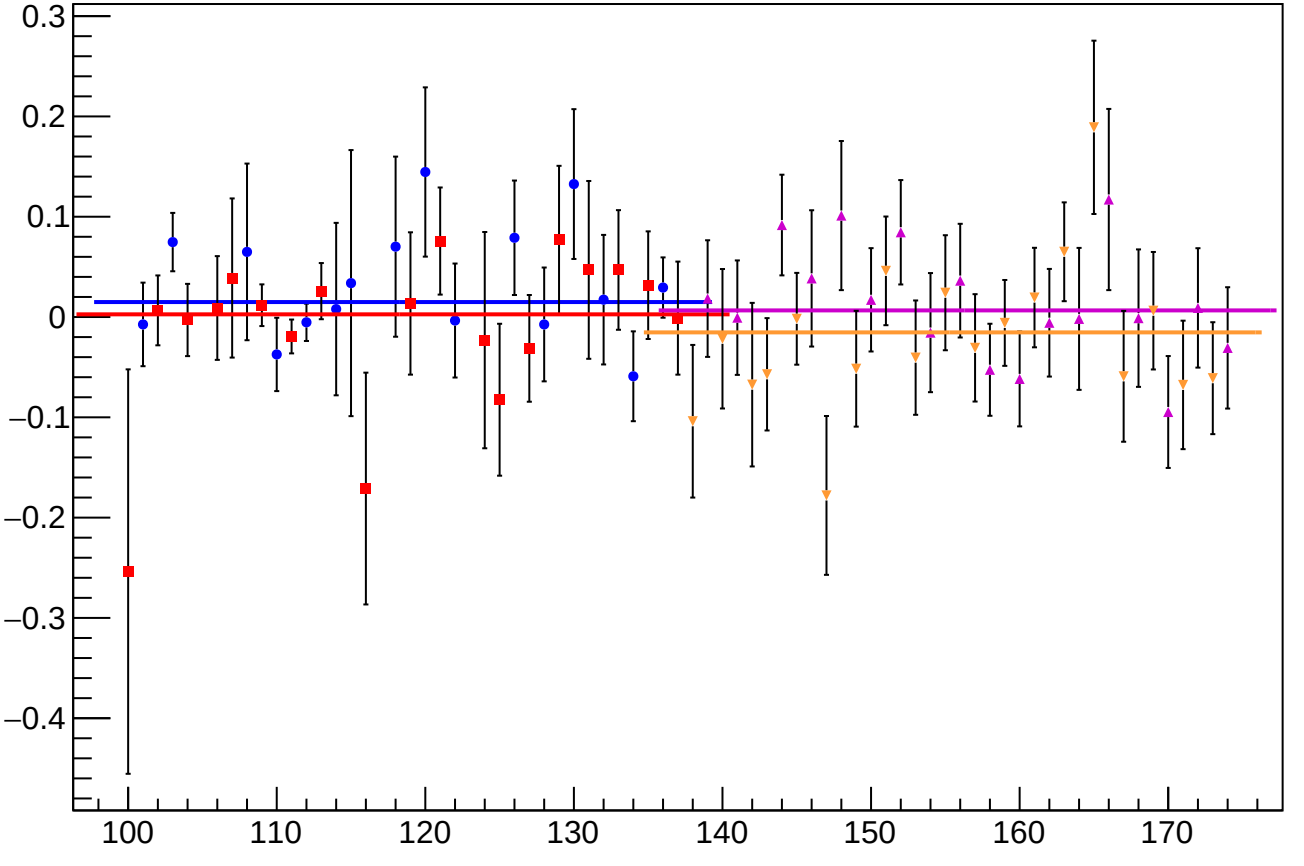
Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.669+/-0.006 χ^2/NDF:7754129.4/33

Out: 30.219+/-0.005 χ^2/NDF:11119412.2/37

All: 32.228+/-0.004 χ^2/NDF: 19185066.8/71

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.015+/-0.011 χ^2/NDF: 17.8/15

Left Out: -0.015+/-0.013 χ^2/NDF:19.8/18

Right Out: 0.003+/-0.009 χ^2/NDF: 12.5/18

Left In: 0.007+/-0.014 χ^2/NDF:16.5/17

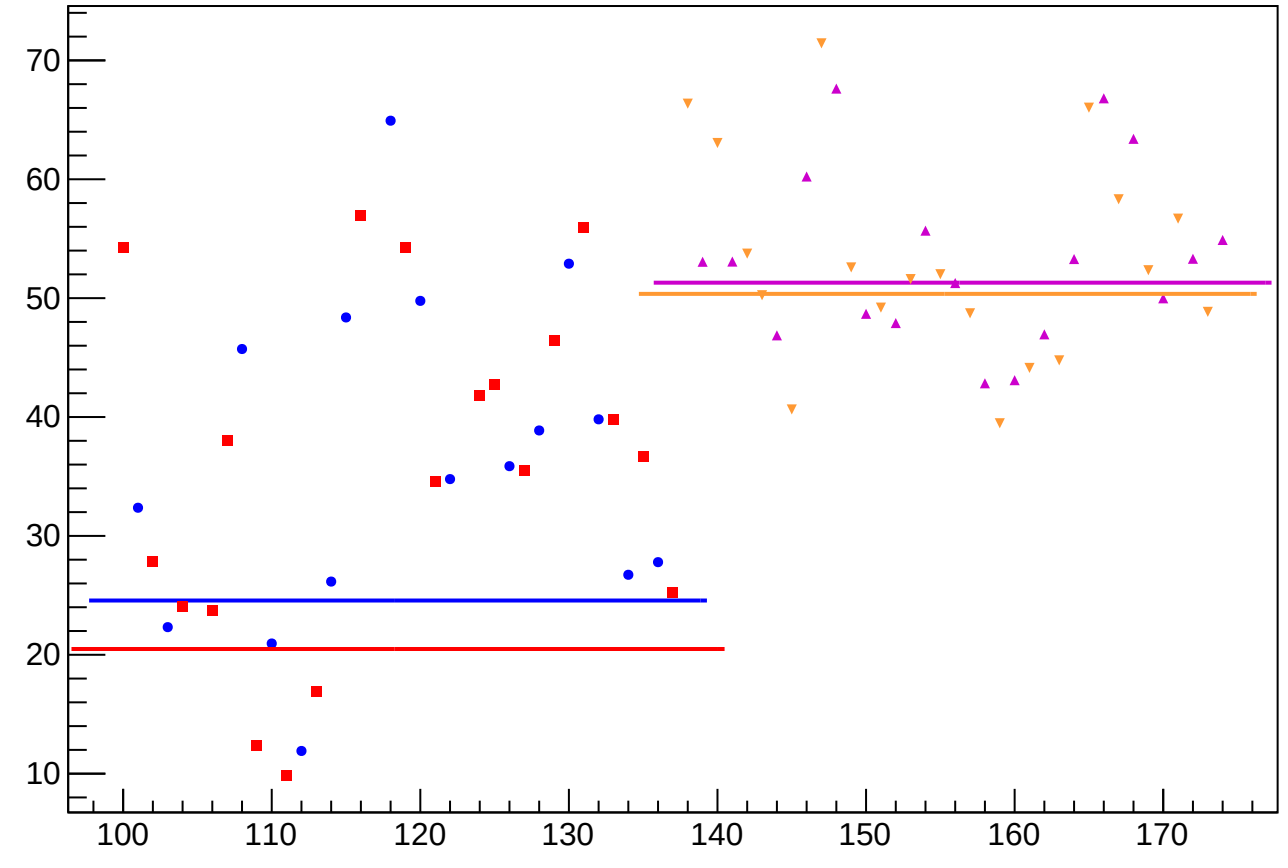
Left: -0.005+/-0.009 χ^2/NDF: 37.6/36

Right: 0.008+/-0.007 χ^2/NDF: 31.0/34

In: 0.012+/-0.008 χ^2/NDF:34.5/33

Out: -0.003+/-0.008 χ^2/NDF:33.5/37

All: 0.004+/-0.006 χ^2/NDF: 69.7/71



Right In: 24.566+/-0.007 χ^2/NDF: 2484434.5/15

Left Out: 50.360+/-0.009 χ^2/NDF:704260.2/18

Right Out: 20.487+/-0.007 χ^2/NDF: 3583888.1/18

Left In: 51.301+/-0.010 χ^2/NDF:449596.3/17

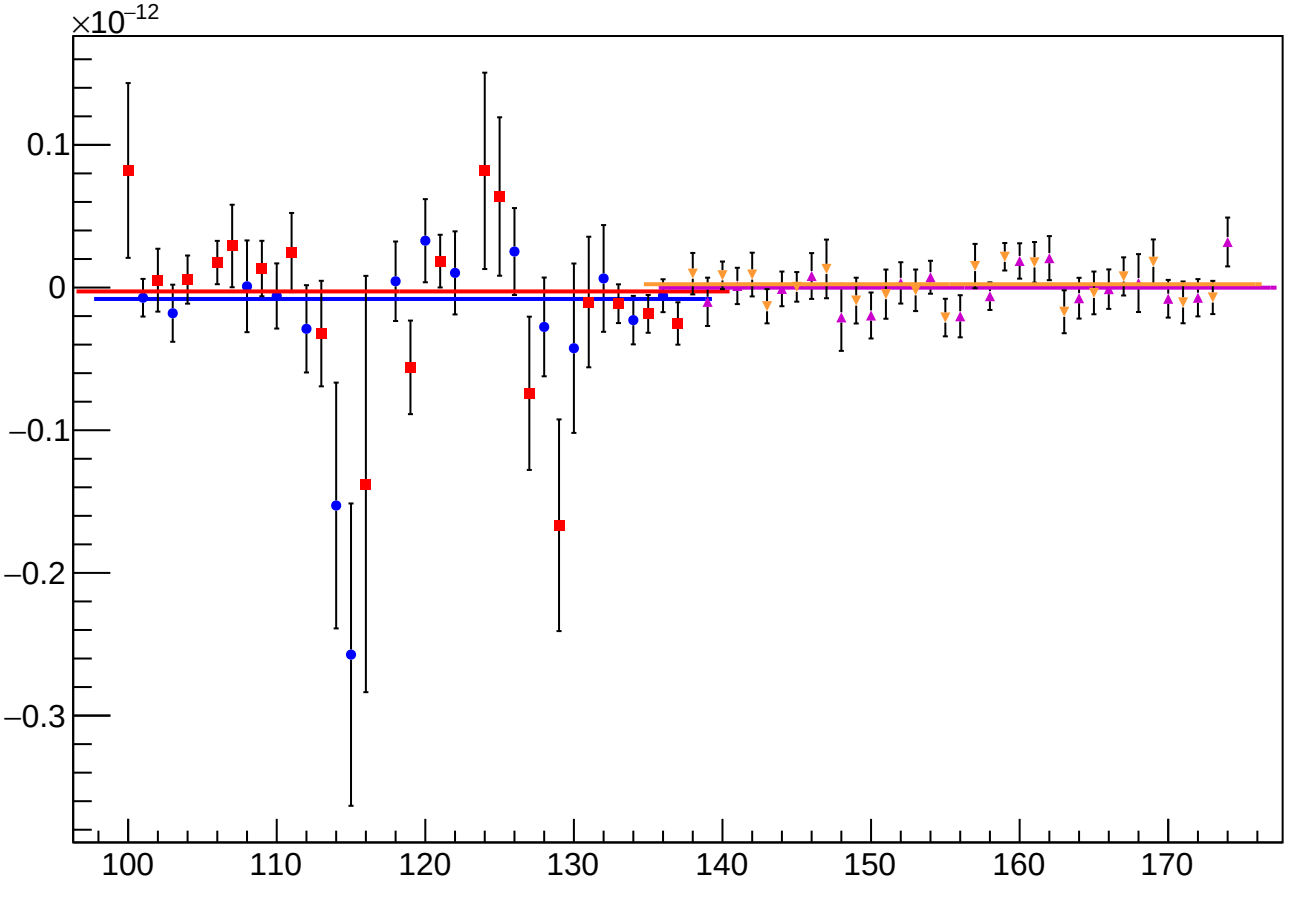
Left: 50.820+/-0.007 χ^2/NDF: 1158773.1/36

Right: 22.247+/-0.005 χ^2/NDF: 6237010.7/34

In: 34.669+/-0.006 χ^2/NDF:7754129.4/33

Out: 30.219+/-0.005 χ^2/NDF:11119412.2/37

All: 32.228+/-0.004 χ^2/NDF: 19185066.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/18

Left In: -0.000+/-0.000 χ^2/NDF:14.1/17

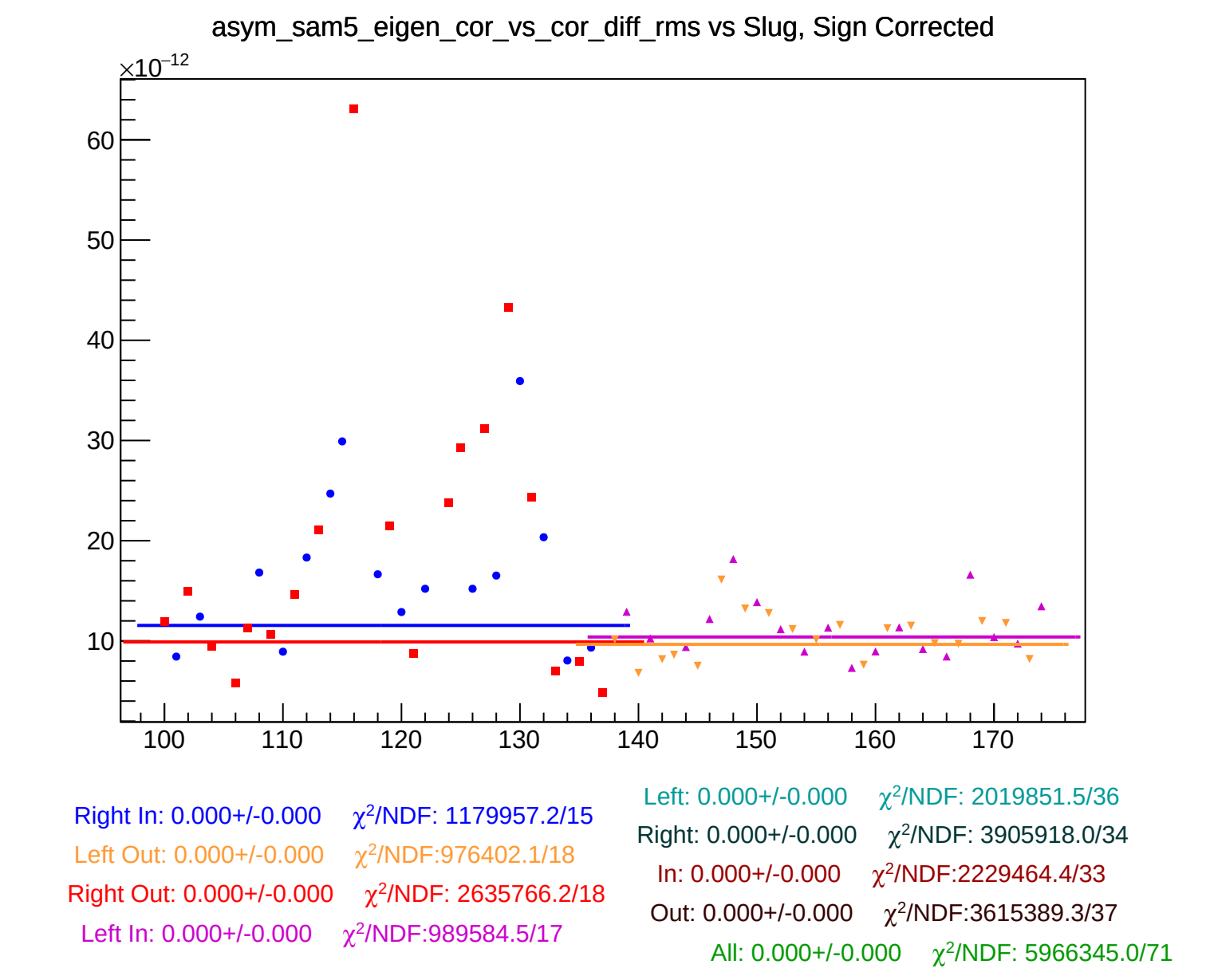
Left: 0.000+/-0.000 χ^2/NDF: 31.3/36

Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

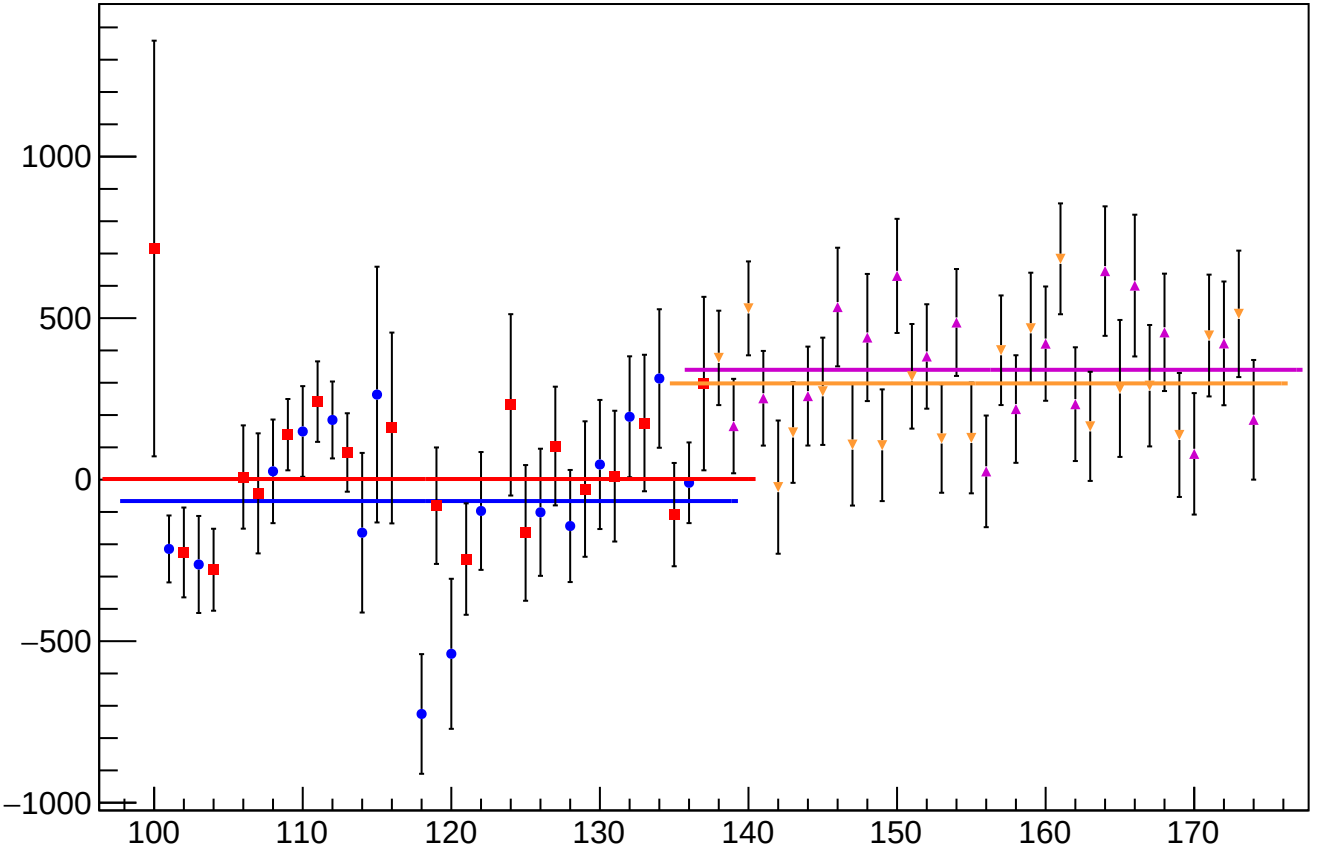
In: -0.000+/-0.000 χ^2/NDF:30.0/33

Out: 0.000+/-0.000 χ^2/NDF:43.7/37

All: -0.000+/-0.000 χ^2/NDF: 74.3/71


asym_sam5_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1179957.2/15
Left Out: 0.000+/-0.000 χ²/NDF:976402.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 2635766.2/18
Left In: 0.000+/-0.000 χ²/NDF:989584.5/17
Left: 0.000+/-0.000 χ²/NDF: 2019851.5/36
Right: 0.000+/-0.000 χ²/NDF: 3905918.0/34
In: 0.000+/-0.000 χ²/NDF:2229464.4/33
Out: 0.000+/-0.000 χ²/NDF:3615389.3/37
All: 0.000+/-0.000 χ²/NDF: 5966345.0/71

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -66.230+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.981+/-39.726 χ^2/NDF:20.0/18

Right Out: 2.017+/-38.866 χ^2/NDF: 21.1/18

Left In: 340.083+/-41.075 χ^2/NDF:18.4/17

Left: 318.329+/-28.556 χ^2/NDF: 38.9/36

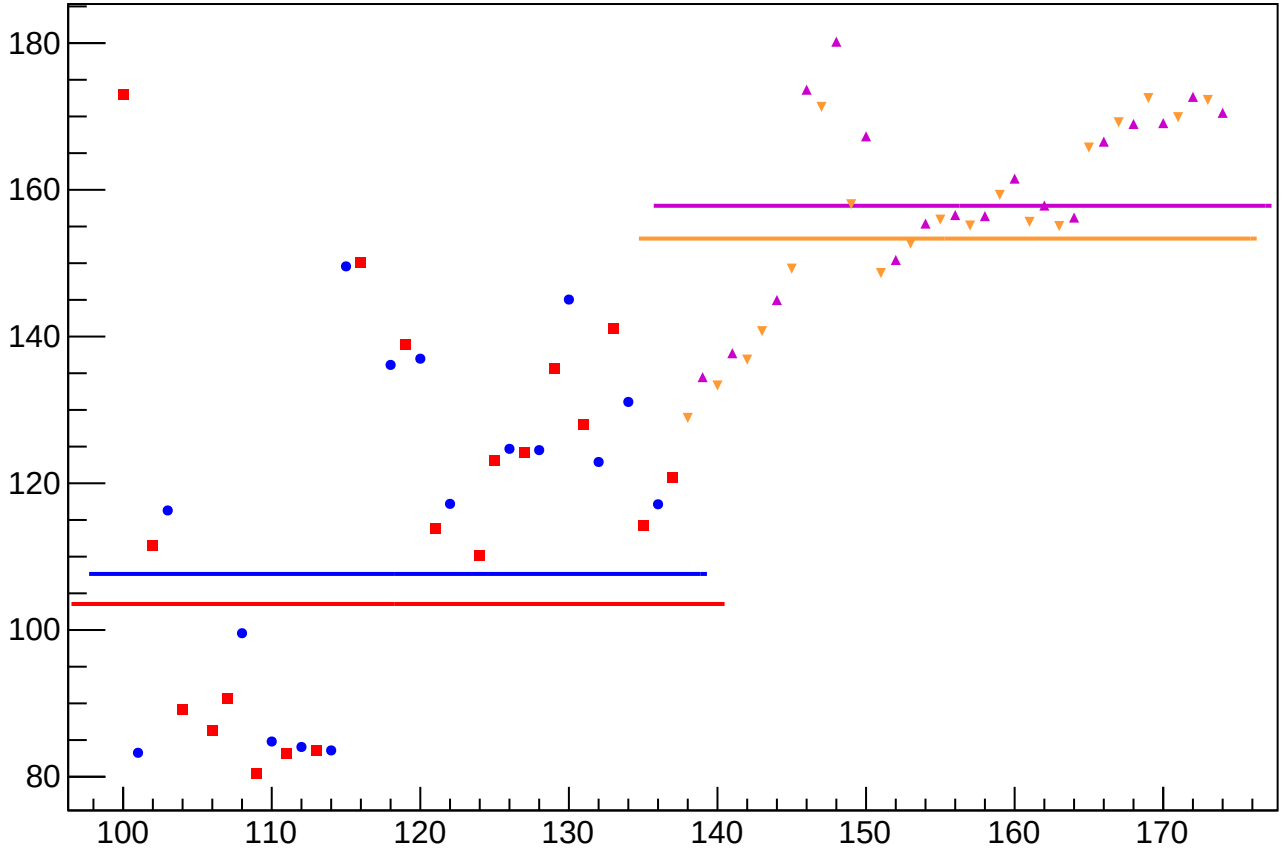
Right: -30.337+/-28.186 χ^2/NDF: 57.0/34

In: 136.241+/-28.996 χ^2/NDF:101.8/33

Out: 146.762+/-27.782 χ^2/NDF:69.5/37

All: 141.726+/-20.060 χ^2/NDF: 171.4/71

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532821.7/15

Left Out: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.550+/-0.027 χ^2/NDF: 617345.0/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

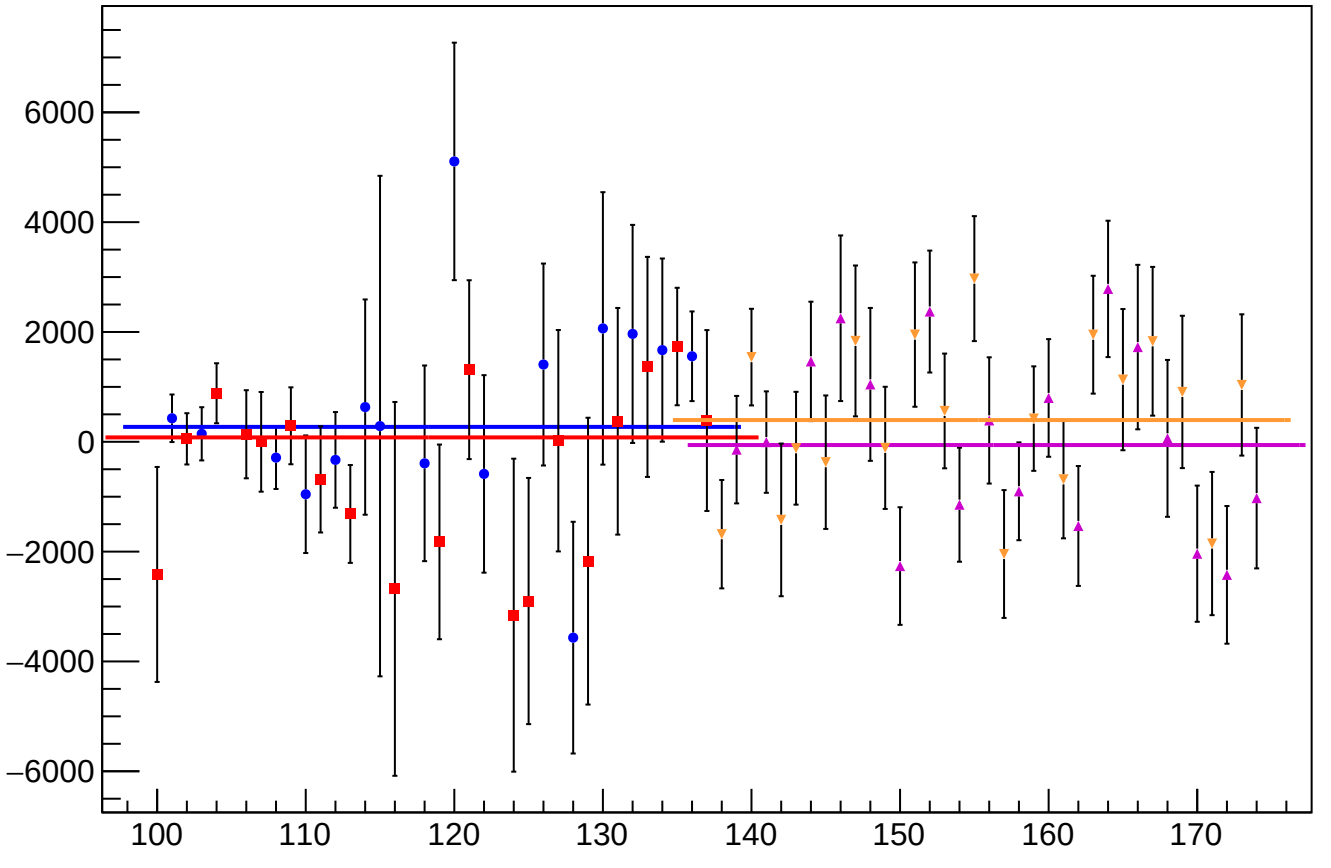
Left: 155.516+/-0.020 χ^2/NDF: 427536.3/36

Right: 105.491+/-0.020 χ^2/NDF: 1160688.9/34

In: 132.651+/-0.021 χ^2/NDF:2224738.2/33

Out: 127.908+/-0.020 χ^2/NDF:2444540.1/37

All: 130.178+/-0.014 χ^2/NDF: 4697180.9/71



Right In: 271.505+/-230.663 χ^2/NDF: 16.5/15

Left Out: 395.884+/-262.582 χ^2/NDF:28.7/18

Right Out: 80.094+/-232.154 χ^2/NDF: 16.0/18

Left In: -59.075+/-268.847 χ^2/NDF:31.9/17

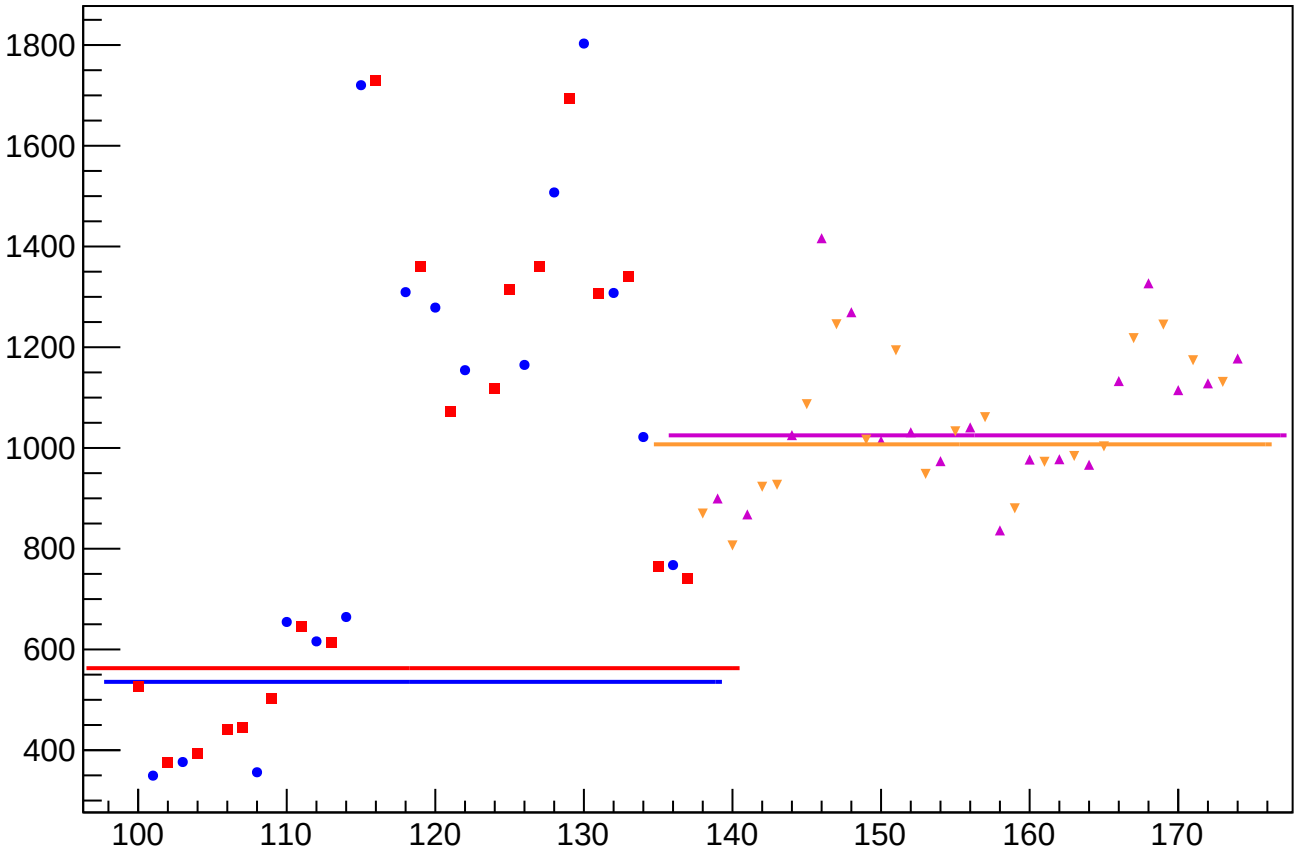
Left: 173.767+/-187.849 χ^2/NDF: 62.0/36

Right: 176.417+/-163.628 χ^2/NDF: 32.8/34

In: 131.339+/-175.060 χ^2/NDF:49.3/33

Out: 218.640+/-173.926 χ^2/NDF:45.5/37

All: 175.273+/-123.383 χ^2/NDF: 94.9/71



Right In: 535.683+/-0.163 χ^2/NDF: 3632390.5/15

Left Out: 1007.227+/-0.186 χ^2/NDF:480477.0/18

Right Out: 562.845+/-0.164 χ^2/NDF: 3111031.5/18

Left In: 1025.061+/-0.190 χ^2/NDF:546501.3/17

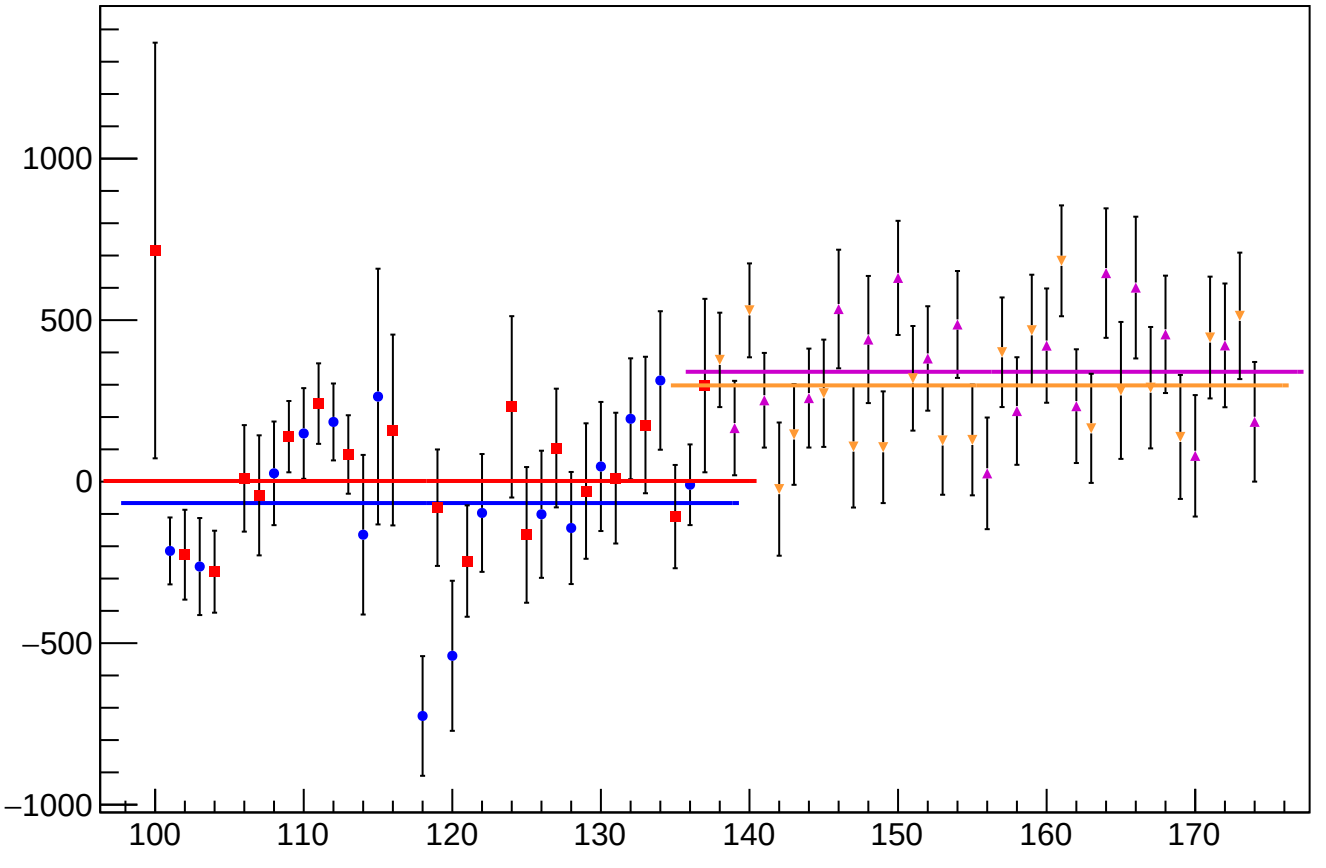
Left: 1015.934+/-0.133 χ^2/NDF: 1031482.0/36

Right: 549.176+/-0.116 χ^2/NDF: 6757198.8/34

In: 743.180+/-0.124 χ^2/NDF:7995964.5/33

Out: 757.808+/-0.123 χ^2/NDF:6806546.8/37

All: 750.541+/-0.087 χ^2/NDF: 14809539.4/71



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.978+/-39.726 χ^2/NDF:20.0/18

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 340.087+/-41.075 χ^2/NDF:18.4/17

Left: 318.330+/-28.556 χ^2/NDF: 38.9/36

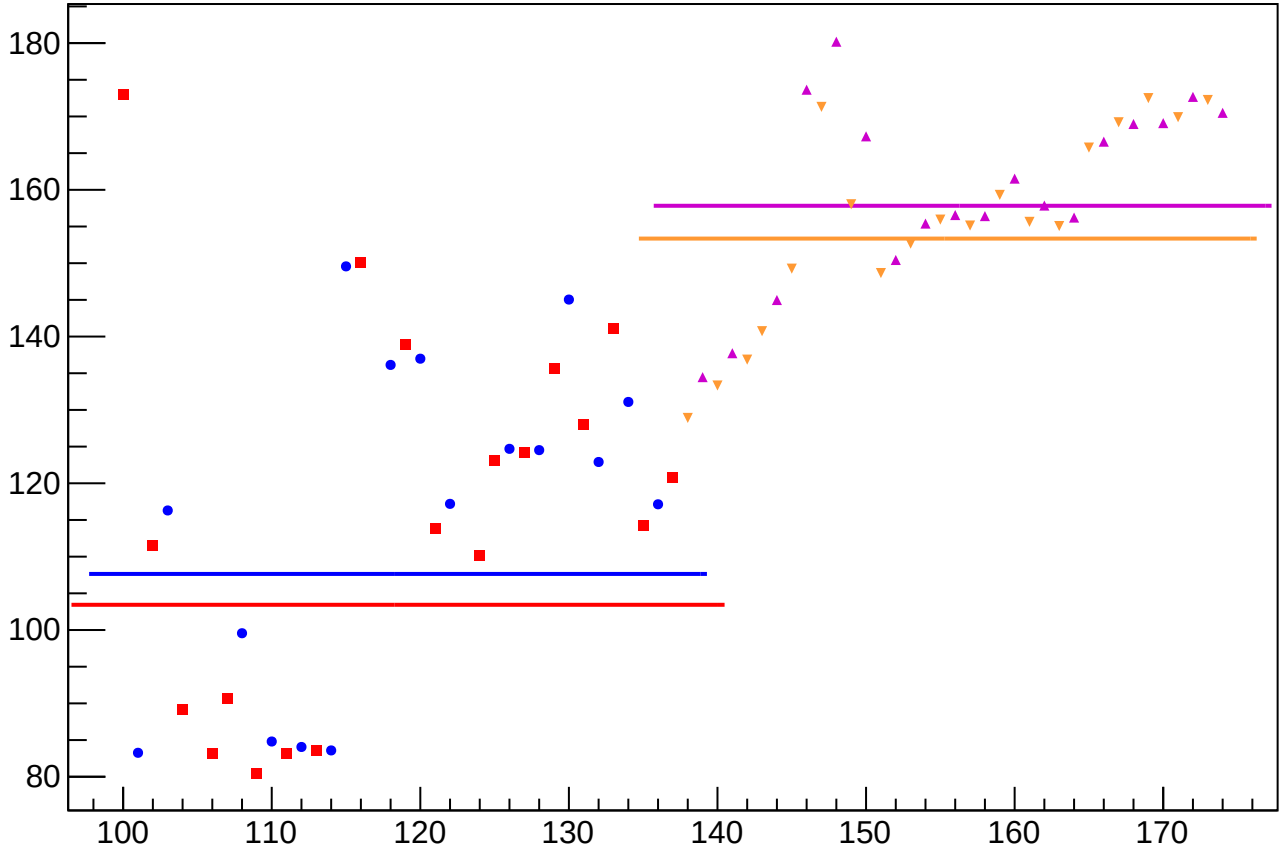
Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 136.230+/-28.996 χ^2/NDF:101.9/33

Out: 147.050+/-27.807 χ^2/NDF:69.5/37

All: 141.866+/-20.070 χ^2/NDF: 171.4/71

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

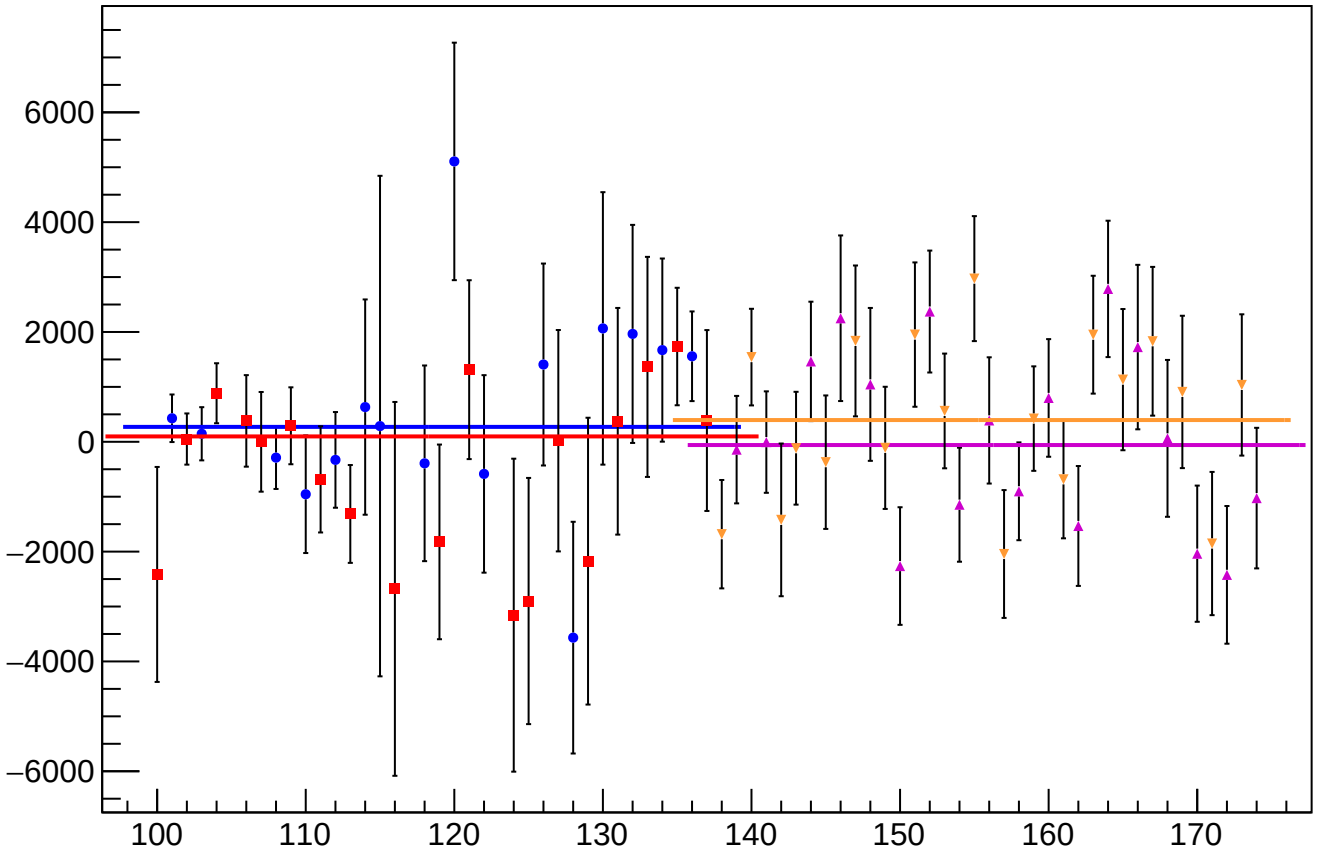
Left: 155.516+/-0.020 χ^2/NDF: 427536.3/36

Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 132.651+/-0.021 χ^2/NDF:2224735.7/33

Out: 127.895+/-0.020 χ^2/NDF:2456334.9/37

All: 130.174+/-0.014 χ^2/NDF: 4709093.5/71



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 395.888+/-262.582 χ^2/NDF:28.7/18

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -59.076+/-268.847 χ^2/NDF:31.9/17

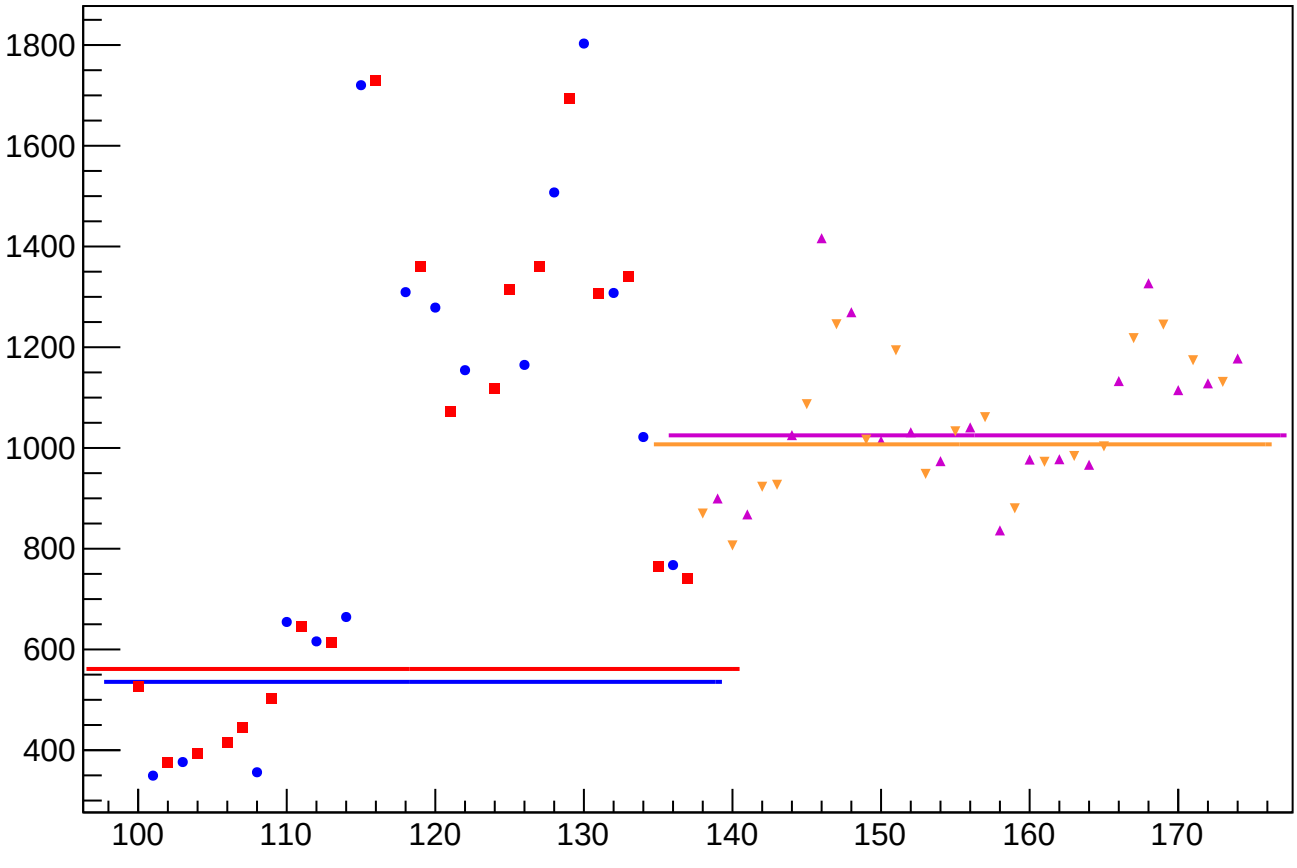
Left: 173.769+/-187.849 χ^2/NDF: 62.0/36

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 131.424+/-175.057 χ^2/NDF:49.3/33

Out: 229.002+/-174.189 χ^2/NDF:45.5/37

All: 180.456+/-123.476 χ^2/NDF: 94.9/71



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1007.228+/-0.186 χ^2/NDF:480477.0/18

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

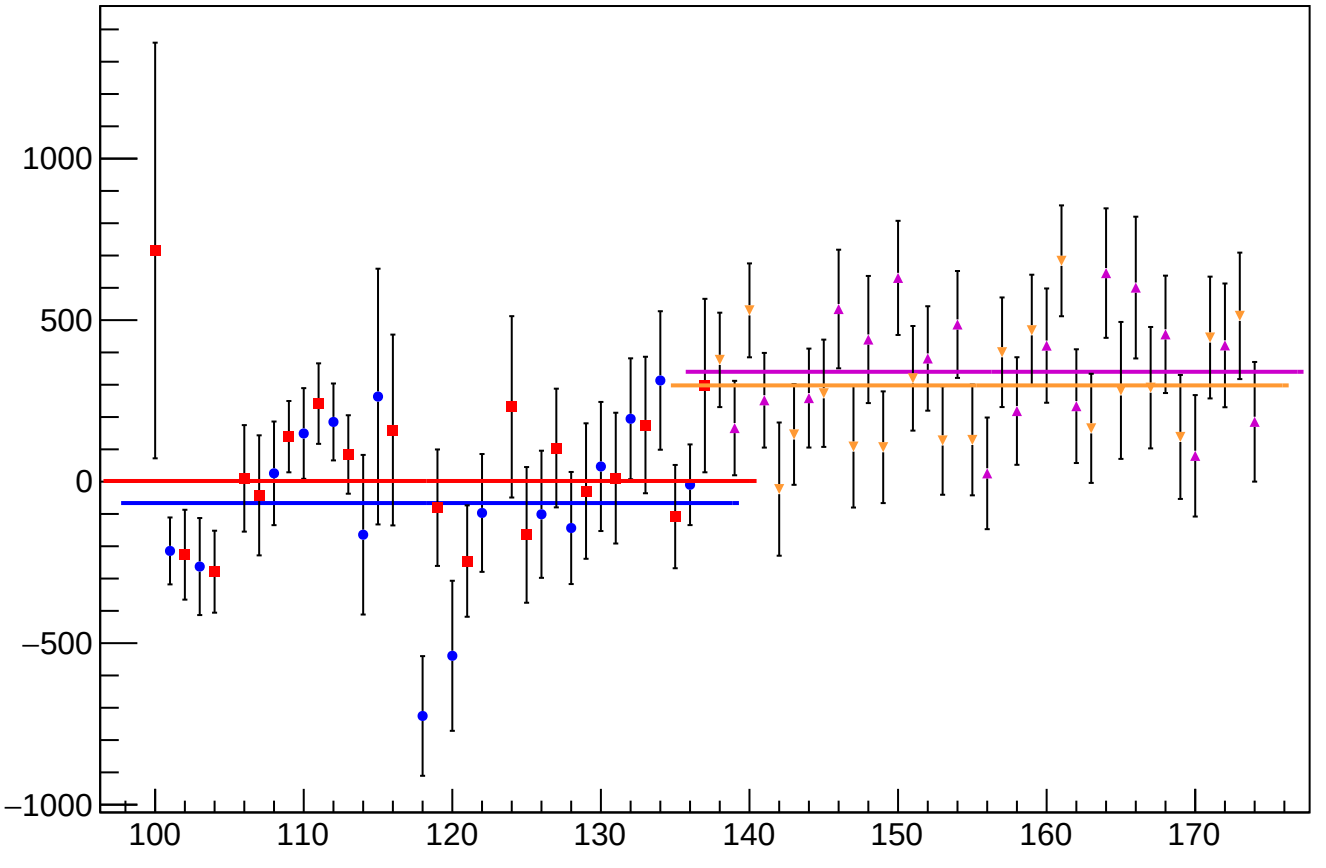
Left: 1015.934+/-0.133 χ^2/NDF: 1031480.2/36

Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 743.160+/-0.124 χ^2/NDF:7996605.0/33

Out: 757.516+/-0.123 χ^2/NDF:6841452.5/37

All: 750.374+/-0.087 χ^2/NDF: 14844816.8/71



Right In: -66.256+/-40.937 χ^2/NDF: 34.4/15

Left Out: 297.978+/-39.726 χ^2/NDF:20.0/18

Right Out: 2.062+/-38.937 χ^2/NDF: 21.1/18

Left In: 340.087+/-41.075 χ^2/NDF:18.4/17

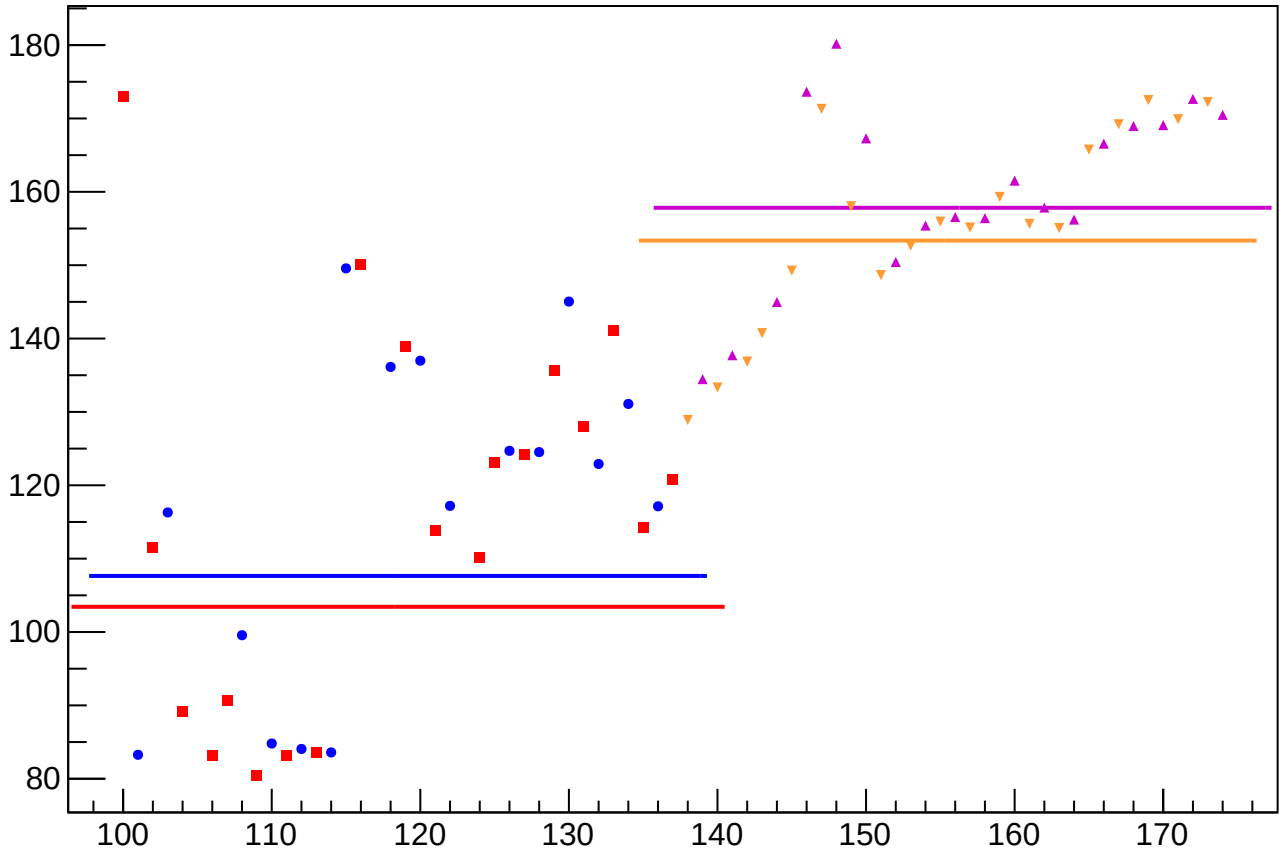
Left: 318.330+/-28.556 χ^2/NDF: 38.9/36

Right: -30.387+/-28.213 χ^2/NDF: 57.0/34

In: 136.230+/-28.996 χ^2/NDF:101.9/33

Out: 147.050+/-27.807 χ^2/NDF:69.5/37

All: 141.866+/-20.070 χ^2/NDF: 171.4/71



Right In: 107.644+/-0.029 χ^2/NDF: 532822.8/15

Left Out: 153.355+/-0.028 χ^2/NDF:221006.1/18

Right Out: 103.438+/-0.028 χ^2/NDF: 624750.2/18

Left In: 157.827+/-0.029 χ^2/NDF:194282.8/17

Left: 155.516+/-0.020 χ^2/NDF: 427536.3/36

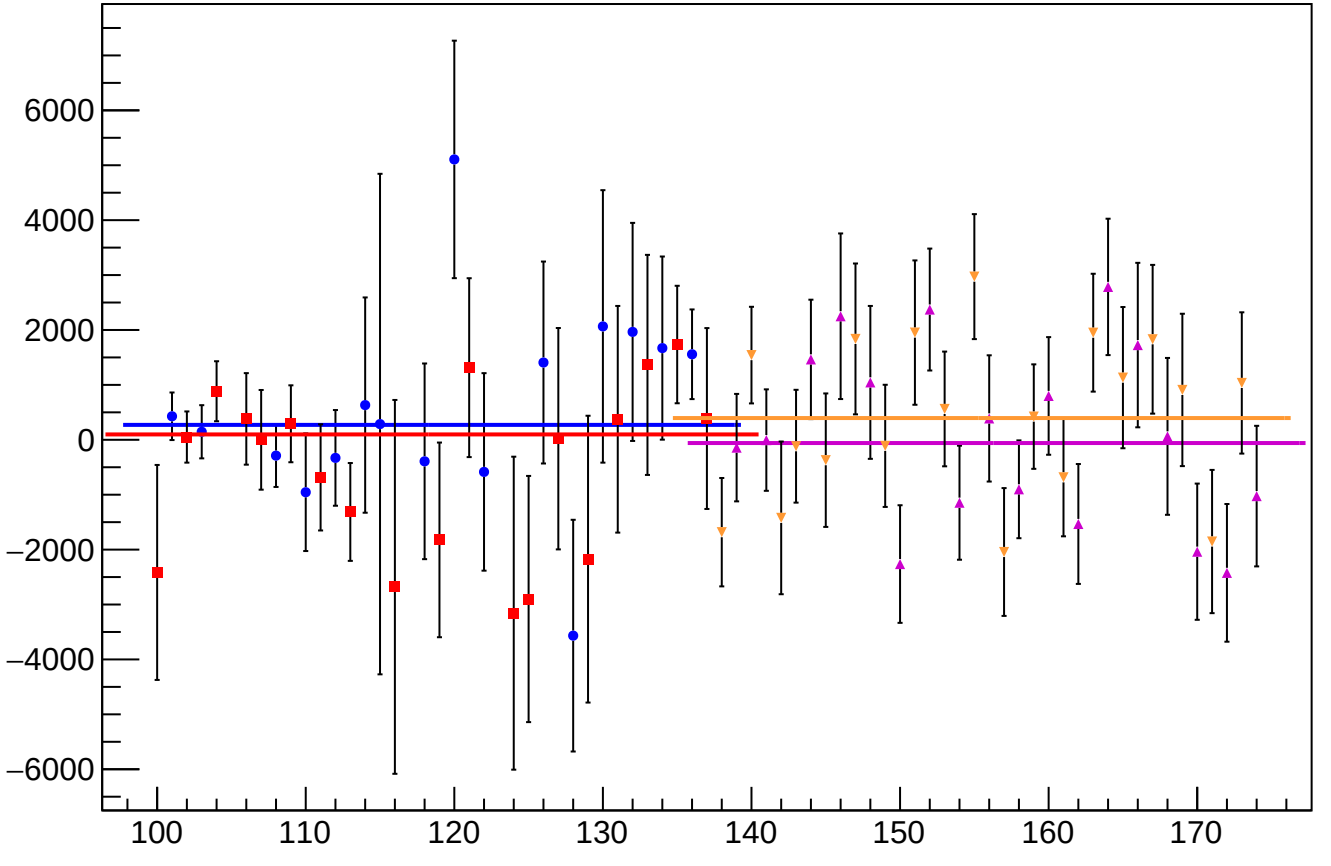
Right: 105.436+/-0.020 χ^2/NDF: 1168660.2/34

In: 132.651+/-0.021 χ^2/NDF:2224735.7/33

Out: 127.895+/-0.020 χ^2/NDF:2456334.9/37

All: 130.174+/-0.014 χ^2/NDF: 4709093.5/71

asym_sam6_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 271.645+/-230.655 χ^2/NDF: 16.5/15

Left Out: 395.888+/-262.582 χ^2/NDF:28.7/18

Right Out: 97.847+/-232.781 χ^2/NDF: 16.1/18

Left In: -59.076+/-268.847 χ^2/NDF:31.9/17

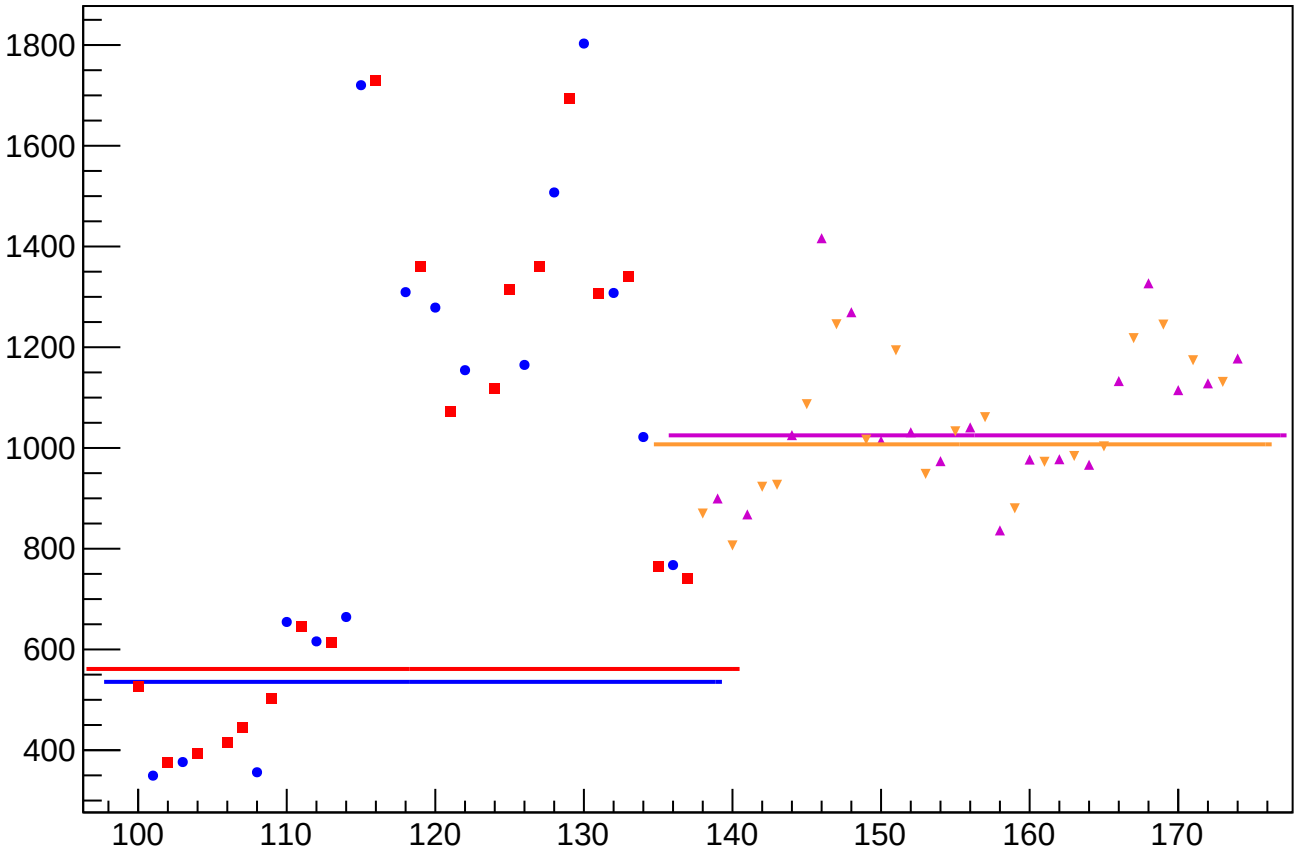
Left: 173.769+/-187.849 χ^2/NDF: 62.0/36

Right: 185.543+/-163.844 χ^2/NDF: 32.9/34

In: 131.424+/-175.057 χ^2/NDF:49.3/33

Out: 229.002+/-174.189 χ^2/NDF:45.5/37

All: 180.456+/-123.476 χ^2/NDF: 94.9/71



Right In: 535.661+/-0.163 χ^2/NDF: 3632591.0/15

Left Out: 1007.228+/-0.186 χ^2/NDF:480477.0/18

Right Out: 561.270+/-0.165 χ^2/NDF: 3130760.7/18

Left In: 1025.061+/-0.190 χ^2/NDF:546499.5/17

Left: 1015.934+/-0.133 χ^2/NDF: 1031480.2/36

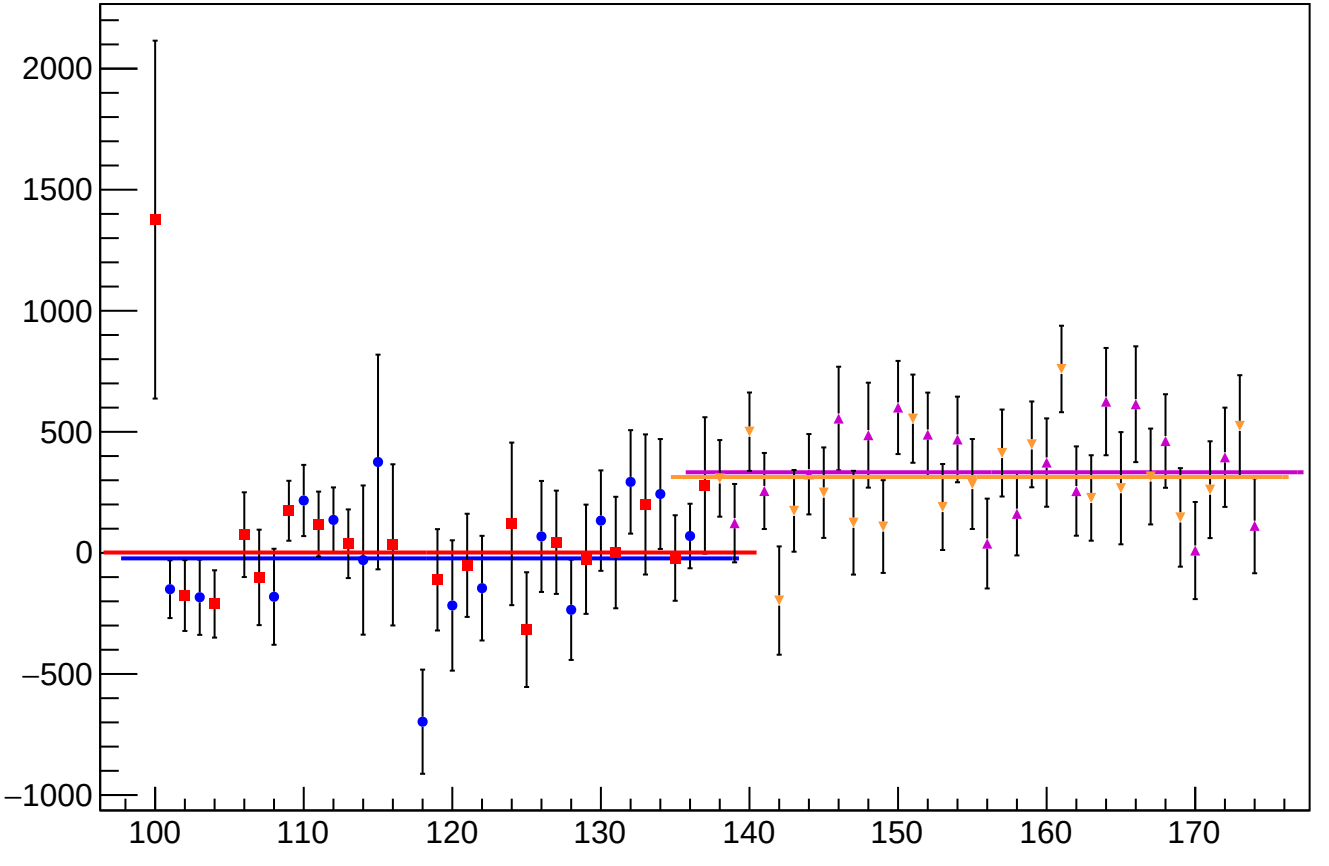
Right: 548.348+/-0.116 χ^2/NDF: 6775564.7/34

In: 743.160+/-0.124 χ^2/NDF:7996605.0/33

Out: 757.516+/-0.123 χ^2/NDF:6841452.5/37

All: 750.374+/-0.087 χ^2/NDF: 14844816.8/71

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -22.678+/-45.908 χ^2/NDF: 24.2/15

Left Out: 313.411+/-42.868 χ^2/NDF:20.7/18

Right Out: 1.600+/-43.563 χ^2/NDF: 14.3/18

Left In: 333.003+/-44.193 χ^2/NDF:18.1/17

Left: 322.909+/-30.770 χ^2/NDF: 38.9/36

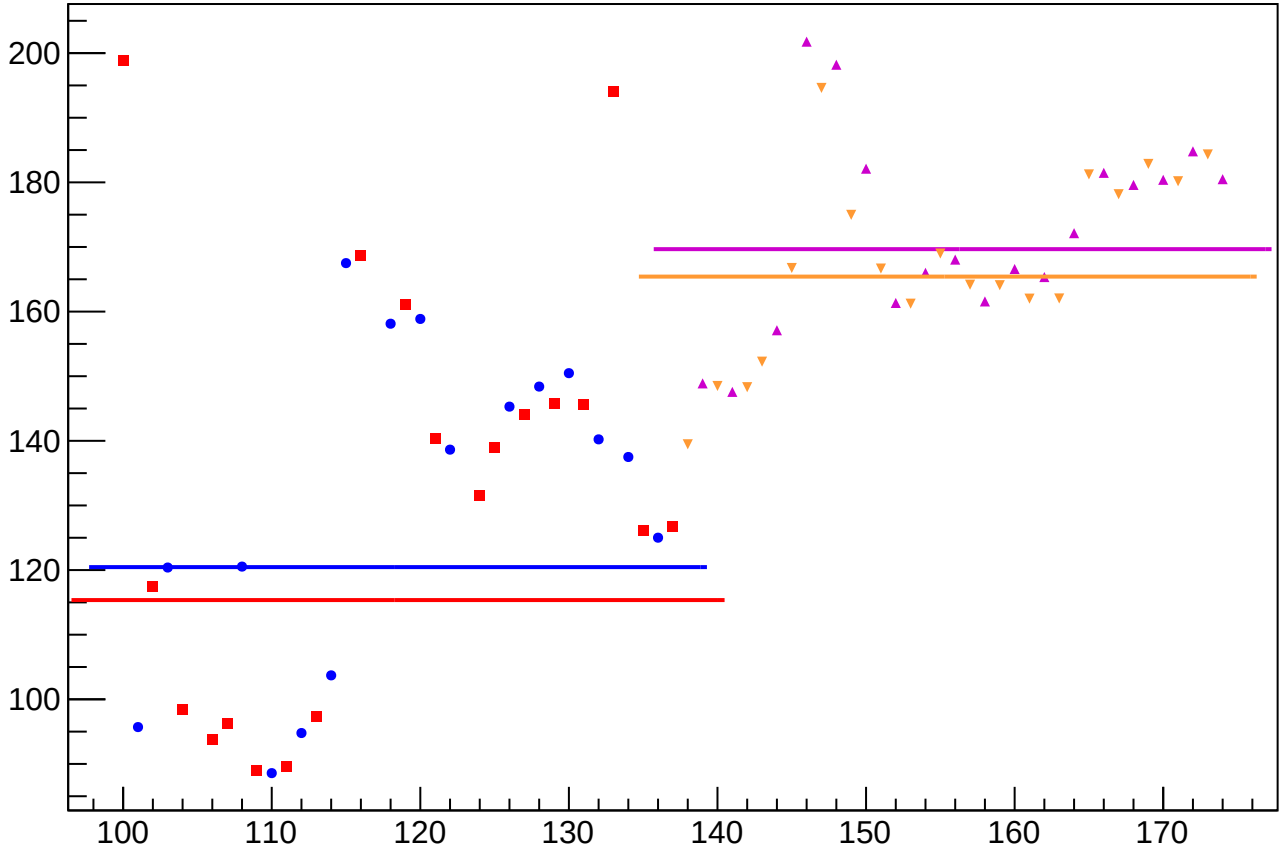
Right: -9.903+/-31.600 χ^2/NDF: 38.6/34

In: 161.931+/-31.838 χ^2/NDF:73.4/33

Out: 160.011+/-30.555 χ^2/NDF:61.0/37

All: 160.932+/-22.045 χ^2/NDF: 134.4/71

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530331.6/15

Left Out: 165.416+/-0.030 χ^2/NDF:204890.9/18

Right Out: 115.357+/-0.031 χ^2/NDF: 767236.0/18

Left In: 169.664+/-0.031 χ^2/NDF:216889.4/17

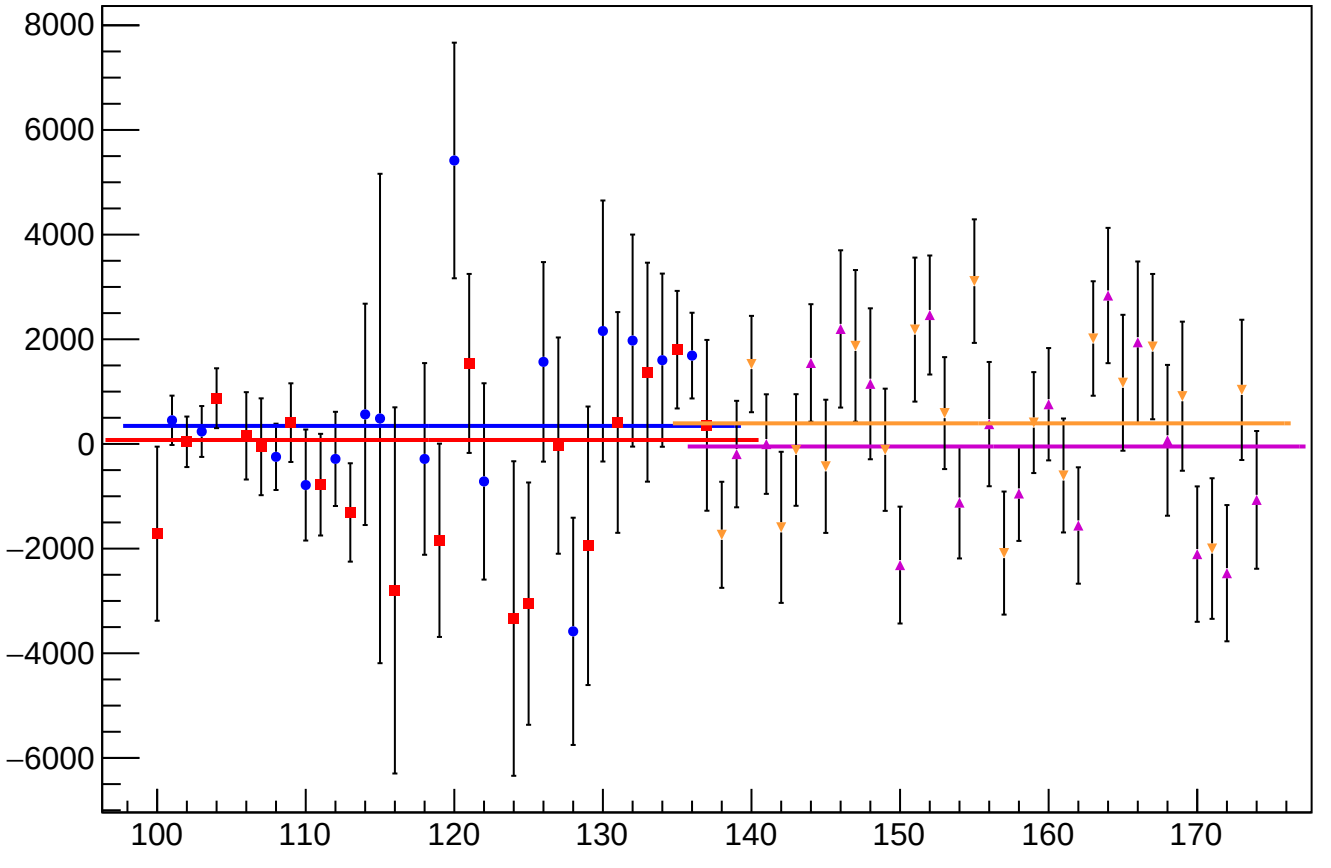
Left: 167.475+/-0.022 χ^2/NDF: 431300.1/36

Right: 117.774+/-0.022 χ^2/NDF: 1310562.3/34

In: 145.997+/-0.023 χ^2/NDF:1939740.8/33

Out: 140.789+/-0.022 χ^2/NDF:2313823.4/37

All: 143.286+/-0.016 χ^2/NDF: 4281427.1/71



Right In: 344.437+/-241.532 χ^2/NDF: 16.2/15

Left Out: 393.583+/-270.632 χ^2/NDF:29.2/18

Right Out: 75.434+/-240.479 χ^2/NDF: 15.3/18

Left In: -48.815+/-276.212 χ^2/NDF:31.7/17

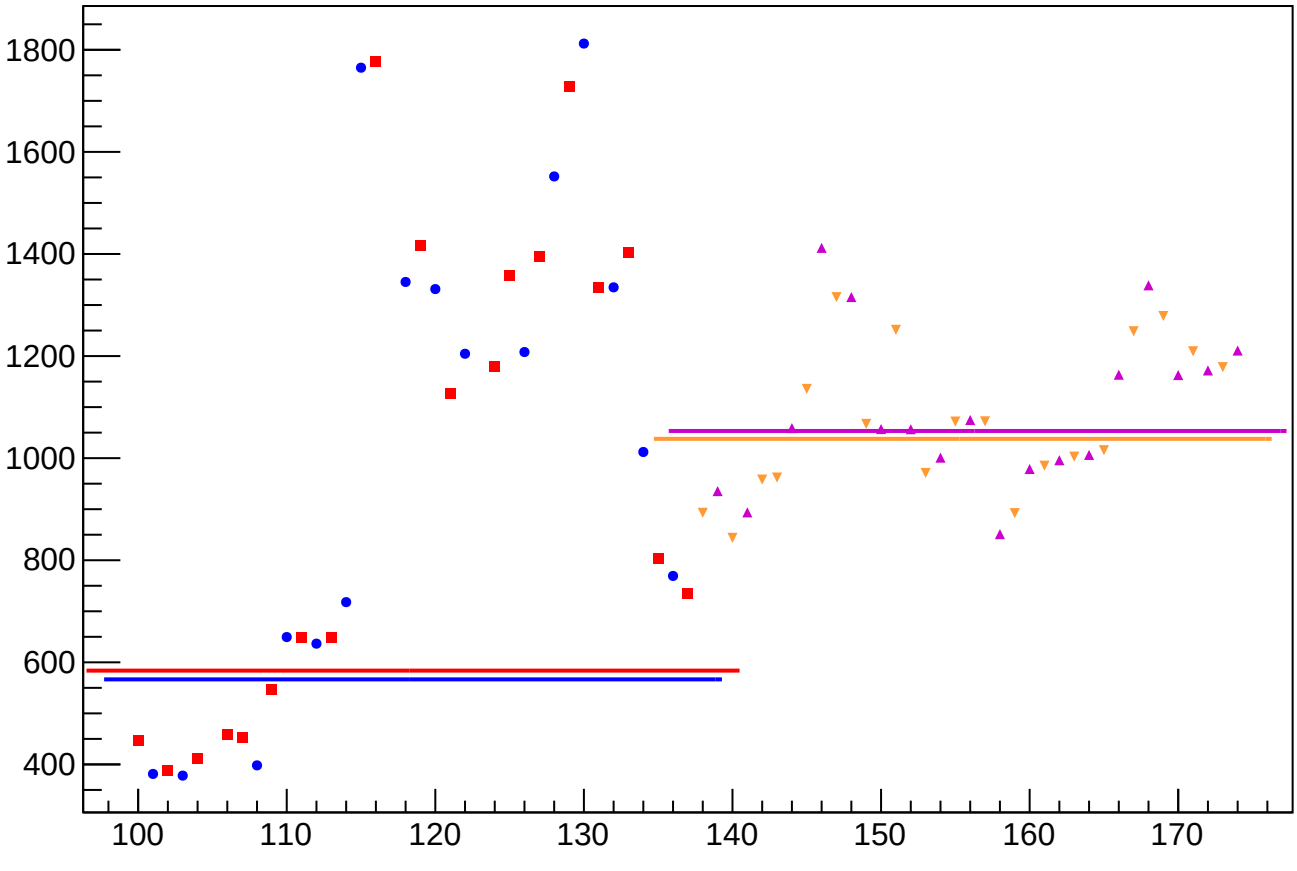
Left: 176.897+/-193.308 χ^2/NDF: 62.3/36

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 174.034+/-181.821 χ^2/NDF:49.1/33

Out: 215.804+/-179.764 χ^2/NDF:45.2/37

All: 195.157+/-127.833 χ^2/NDF: 94.4/71



Right In: 566.603+/-0.171 χ^2/NDF: 3432440.2/15

Left Out: 1037.855+/-0.191 χ^2/NDF:502209.1/18

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.6/18

Left In: 1053.273+/-0.195 χ^2/NDF:533859.8/17

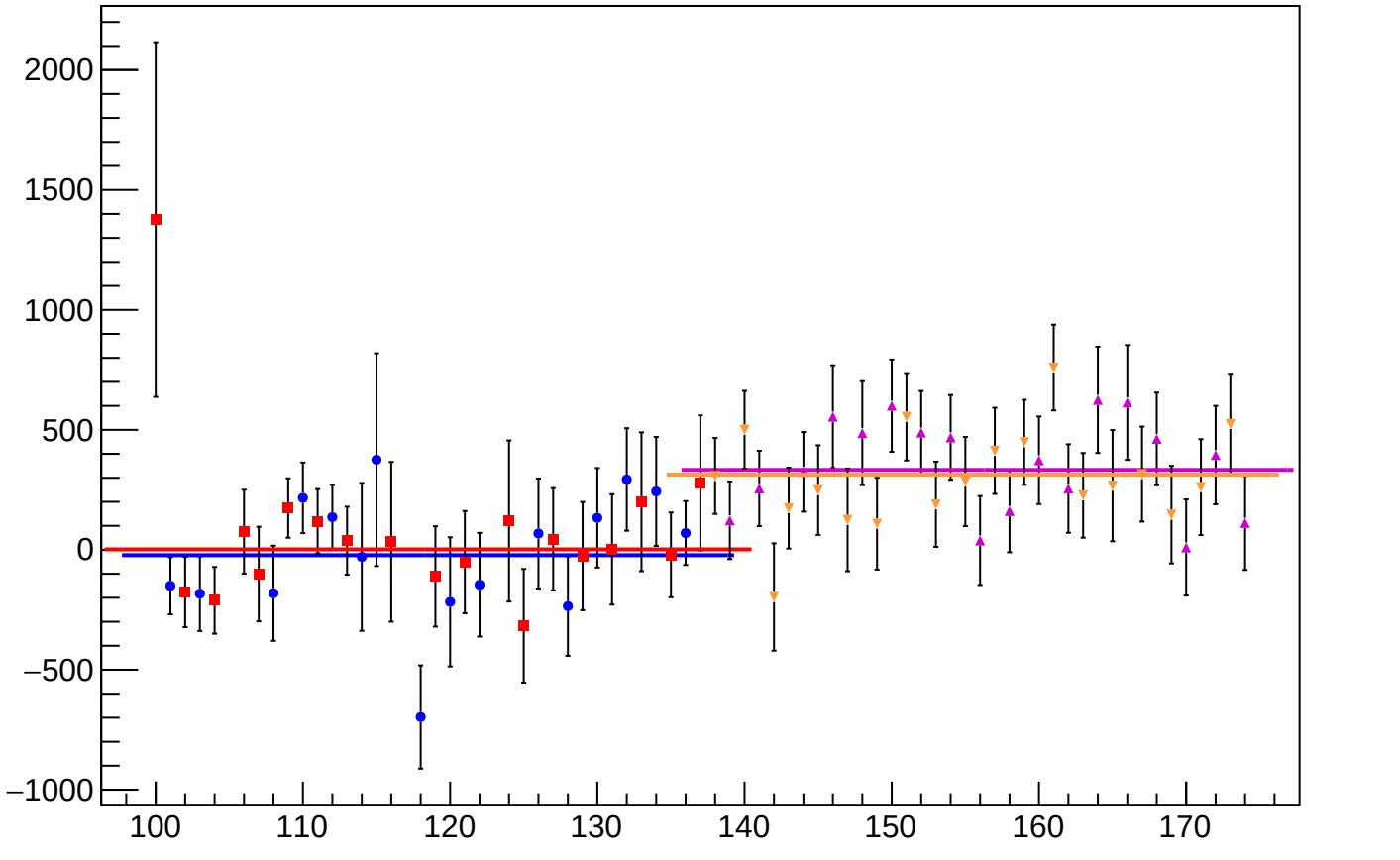
Left: 1045.407+/-0.137 χ^2/NDF: 1039248.1/36

Right: 575.236+/-0.121 χ^2/NDF: 6545041.6/34

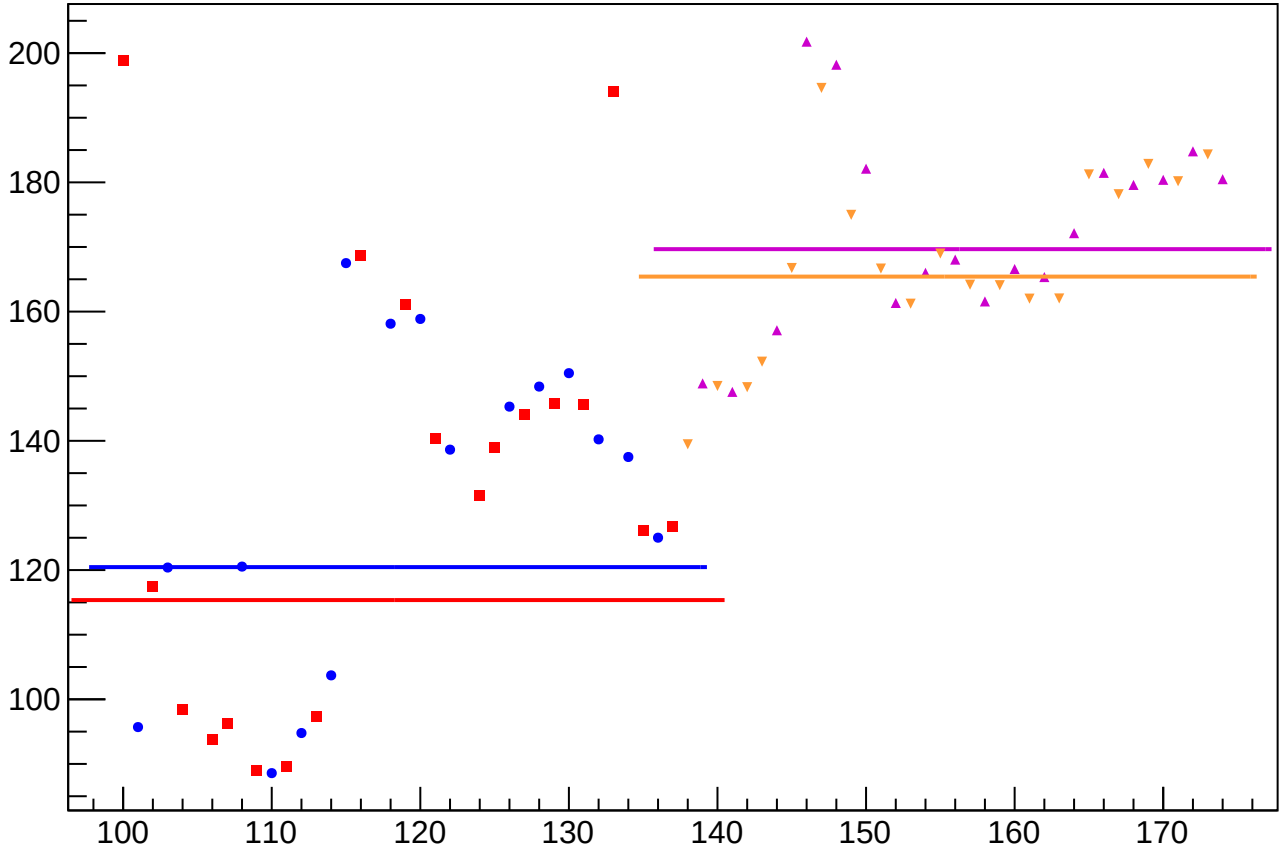
In: 777.485+/-0.129 χ^2/NDF:7484779.6/33

Out: 784.130+/-0.127 χ^2/NDF:6755648.8/37

All: 780.845+/-0.090 χ^2/NDF: 14241779.2/71


eigen_dit_asym_sam6_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -22.680+/-45.908 χ²/NDF: 24.2/15
Left Out: 313.412+/-42.868 χ²/NDF:20.7/18
Right Out: 1.601+/-43.563 χ²/NDF: 14.3/18
Left In: 333.004+/-44.193 χ²/NDF:18.1/17
Left: 322.910+/-30.770 χ²/NDF: 38.9/36
Right: -9.903+/-31.600 χ²/NDF: 38.6/34
In: 161.930+/-31.838 χ²/NDF:73.4/33
Out: 160.013+/-30.555 χ²/NDF:61.0/37
All: 160.932+/-22.045 χ²/NDF: 134.4/71

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 120.458+/-0.032 χ^2/NDF: 530335.0/15

Left Out: 165.416+/-0.030 χ^2/NDF:204890.4/18

Right Out: 115.357+/-0.031 χ^2/NDF: 767234.8/18

Left In: 169.663+/-0.031 χ^2/NDF:216889.4/17

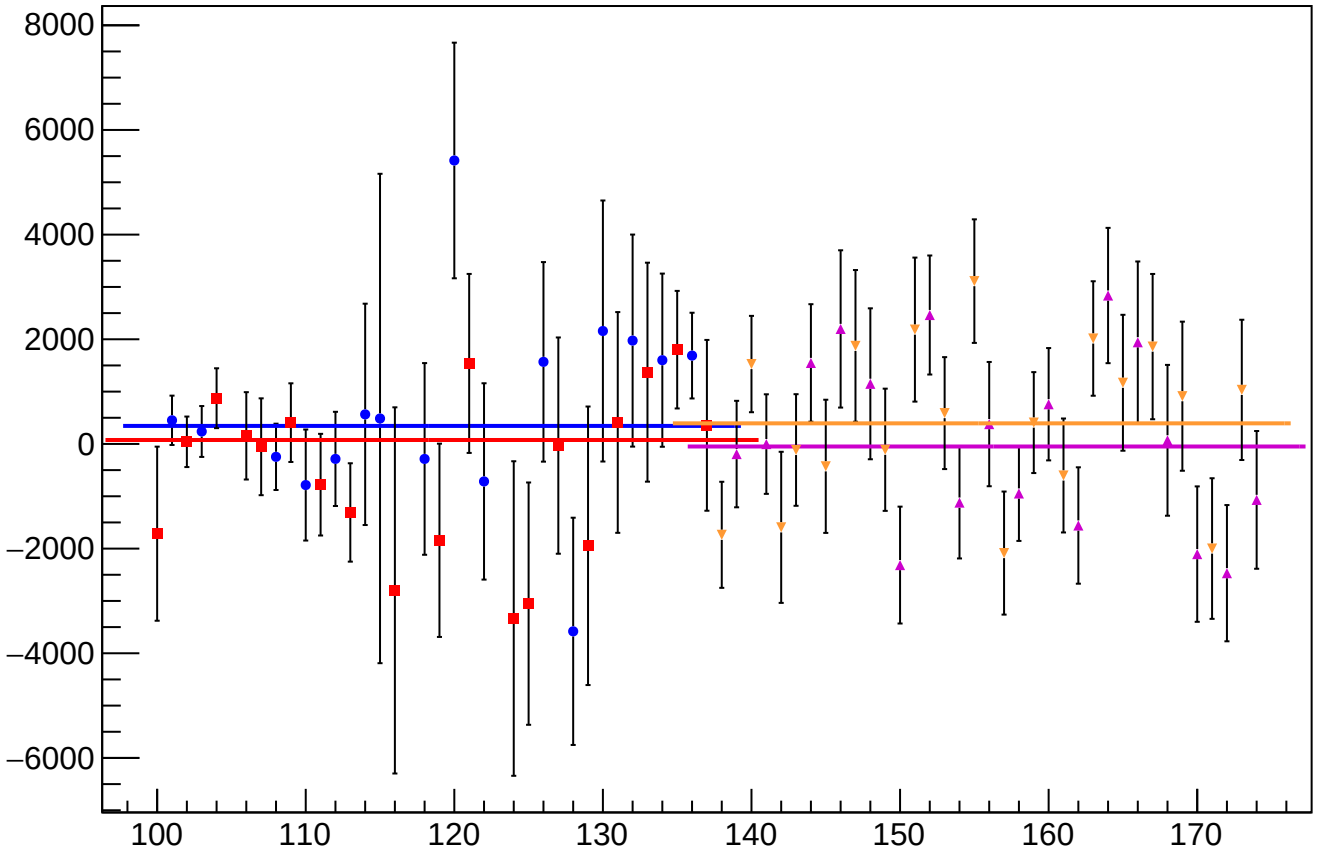
Left: 167.475+/-0.022 χ^2/NDF: 431299.6/36

Right: 117.774+/-0.022 χ^2/NDF: 1310564.2/34

In: 145.997+/-0.023 χ^2/NDF:1939751.3/33

Out: 140.789+/-0.022 χ^2/NDF:2313824.8/37

All: 143.286+/-0.016 χ^2/NDF: 4281438.8/71



Right In: 344.436+/-241.531 χ^2/NDF: 16.2/15

Left Out: 393.584+/-270.632 χ^2/NDF:29.2/18

Right Out: 75.435+/-240.479 χ^2/NDF: 15.3/18

Left In: -48.815+/-276.212 χ^2/NDF:31.7/17

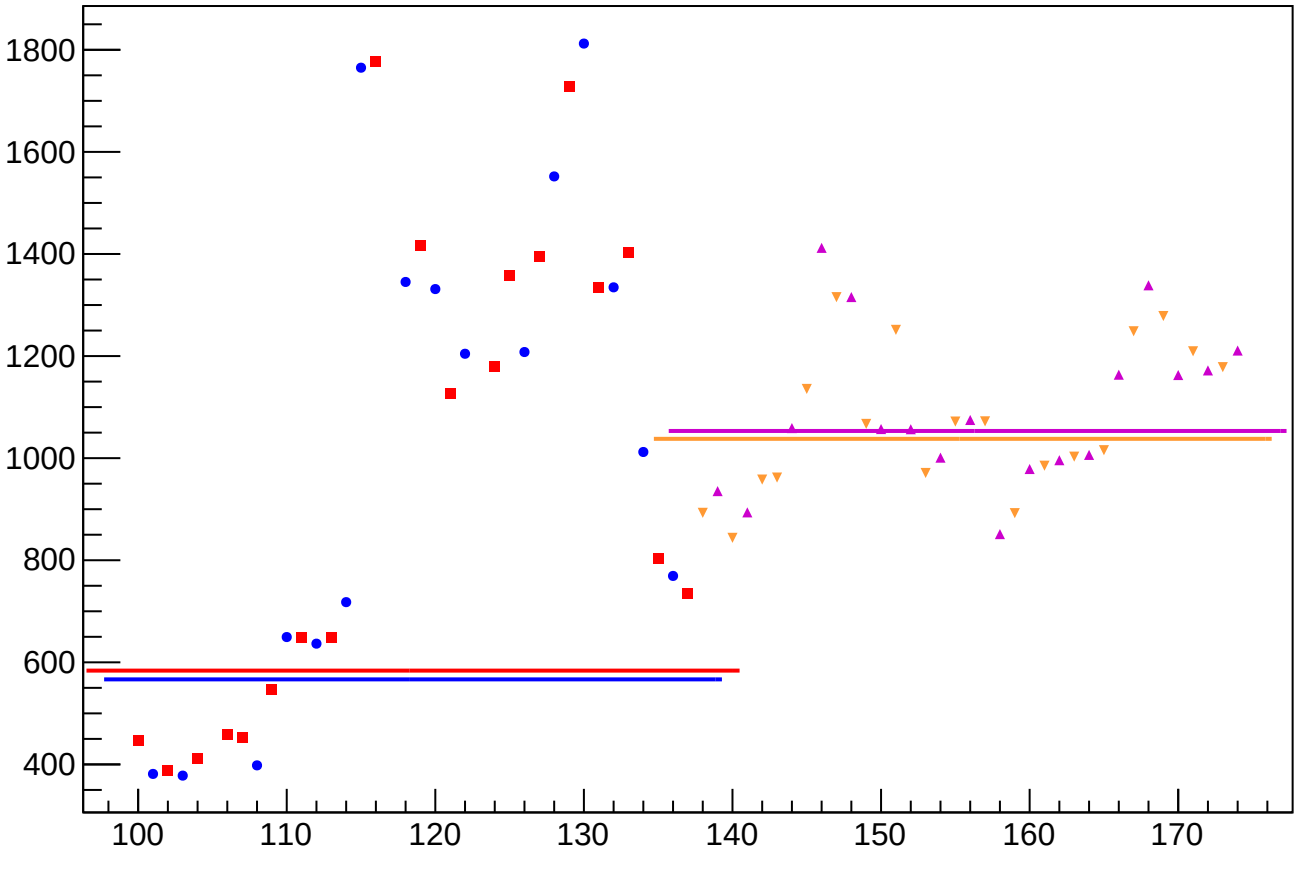
Left: 176.897+/-193.308 χ^2/NDF: 62.3/36

Right: 209.348+/-170.415 χ^2/NDF: 32.1/34

In: 174.034+/-181.821 χ^2/NDF:49.1/33

Out: 215.805+/-179.764 χ^2/NDF:45.2/37

All: 195.157+/-127.833 χ^2/NDF: 94.4/71



Right In: 566.603+/-0.171 χ^2/NDF: 3432444.7/15

Left Out: 1037.855+/-0.191 χ^2/NDF:502212.0/18

Right Out: 583.794+/-0.170 χ^2/NDF: 3107513.8/18

Left In: 1053.273+/-0.195 χ^2/NDF:533863.0/17

Left: 1045.407+/-0.137 χ^2/NDF: 1039254.2/36

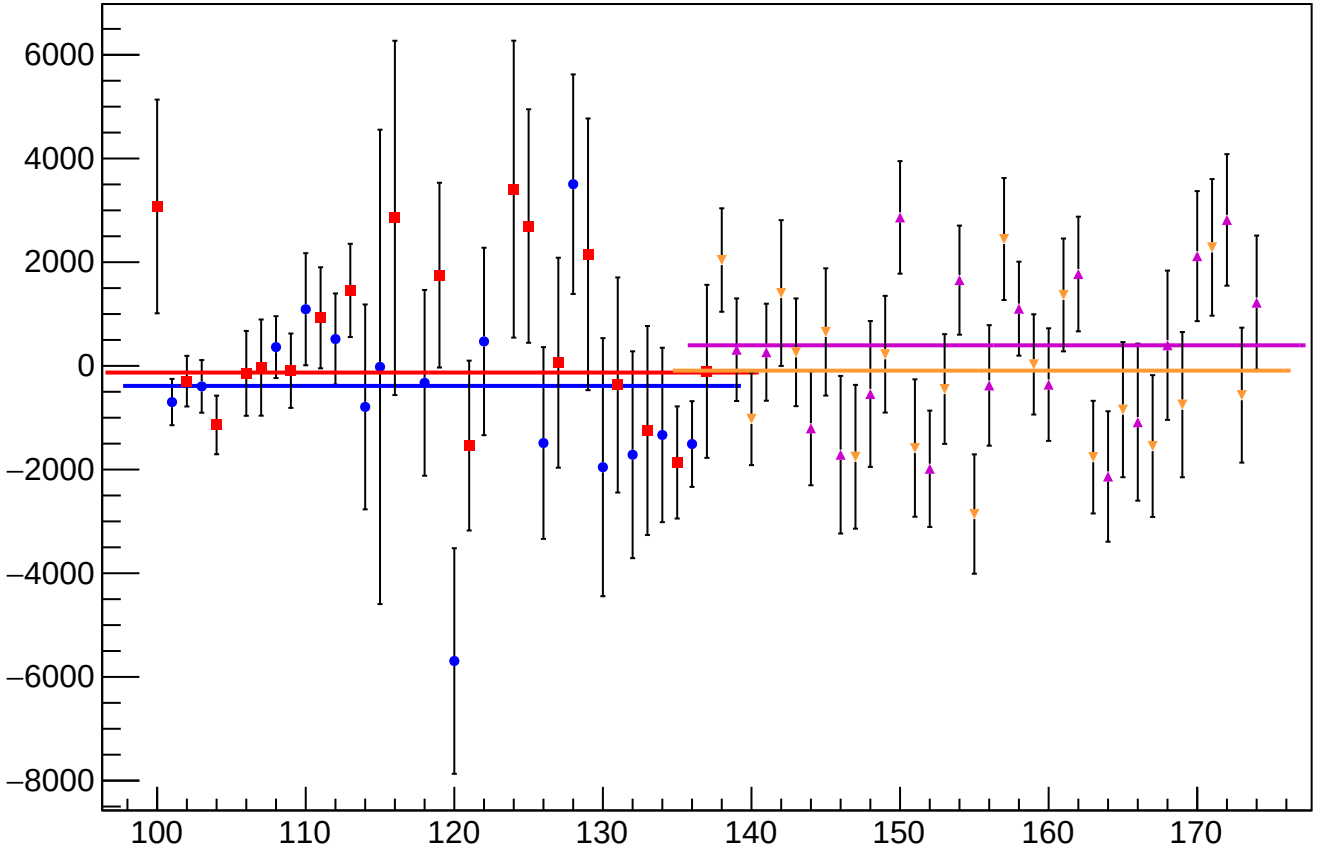
Right: 575.236+/-0.121 χ^2/NDF: 6545046.5/34

In: 777.484+/-0.129 χ^2/NDF:7484799.0/33

Out: 784.130+/-0.127 χ^2/NDF:6755660.8/37

All: 780.845+/-0.090 χ^2/NDF: 14241810.8/71

asym_sam6_mean vs Slug, Sign Corrected



Right In: -386.522+/-237.525 χ^2/NDF: 17.9/15

Left Out: -91.707+/-265.698 χ^2/NDF:29.8/18

Right Out: -128.583+/-238.241 χ^2/NDF: 19.4/18

Left In: 396.618+/-272.115 χ^2/NDF:29.6/17

Left: 146.630+/-190.105 χ^2/NDF: 61.1/36

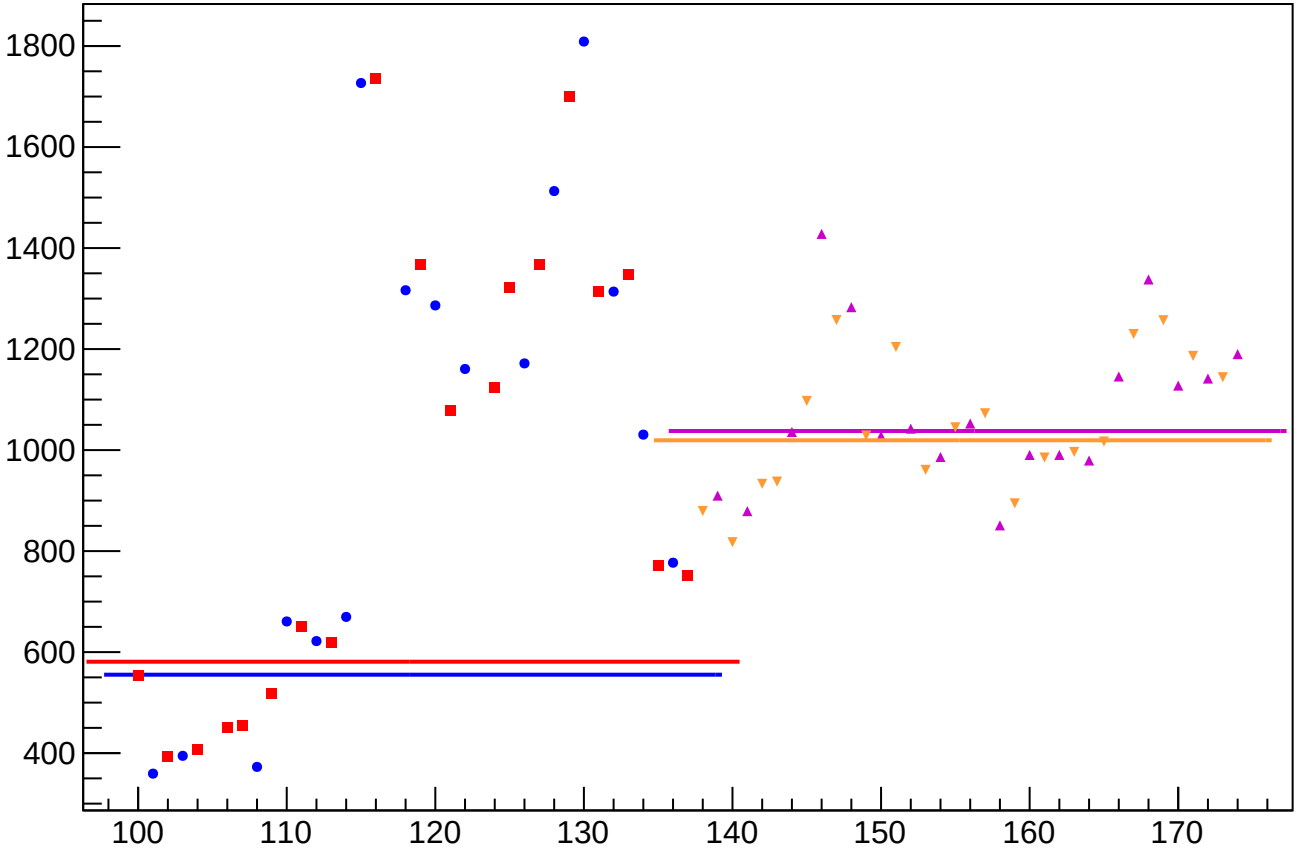
Right: -257.941+/-168.208 χ^2/NDF: 37.9/34

In: -47.862+/-178.943 χ^2/NDF:52.3/33

Out: -112.148+/-177.377 χ^2/NDF:49.2/37

All: -80.288+/-125.975 χ^2/NDF: 101.6/71

asym_sam6_rms vs Slug, Sign Corrected



Right In: 555.292+/-0.168 χ^2/NDF: 3482531.0/15

Left Out: 1019.431+/-0.188 χ^2/NDF:470689.6/18

Right Out: 580.996+/-0.168 χ^2/NDF: 2983560.8/18

Left In: 1037.825+/-0.192 χ^2/NDF:533981.0/17

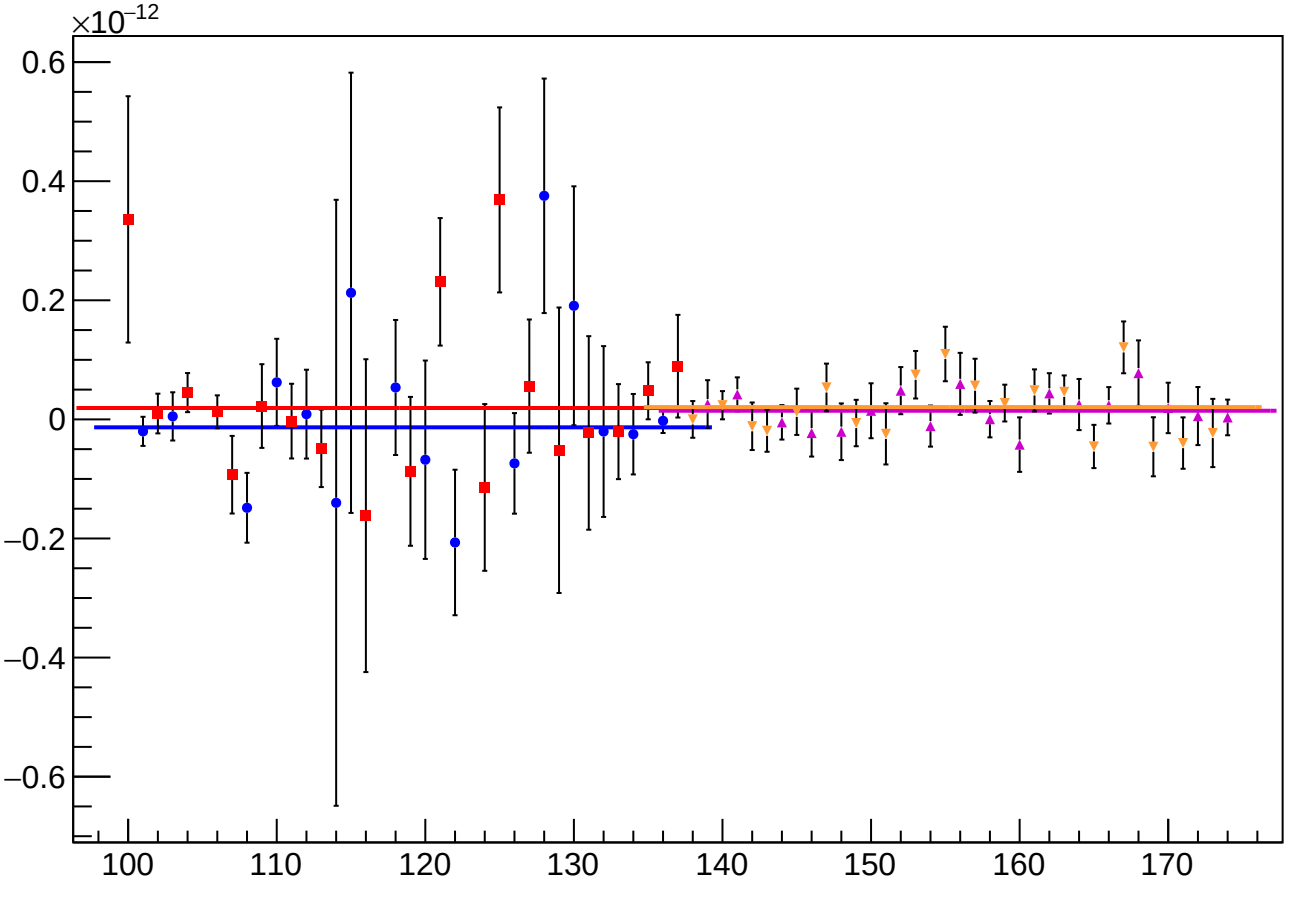
Left: 1028.409+/-0.134 χ^2/NDF: 1009348.8/36

Right: 568.105+/-0.119 χ^2/NDF: 6477767.0/34

In: 763.958+/-0.127 χ^2/NDF:7585881.4/33

Out: 776.396+/-0.125 χ^2/NDF:6473012.0/37

All: 770.232+/-0.089 χ^2/NDF: 14063767.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.9/18

Left In: 0.000+/-0.000 χ^2/NDF:9.1/17

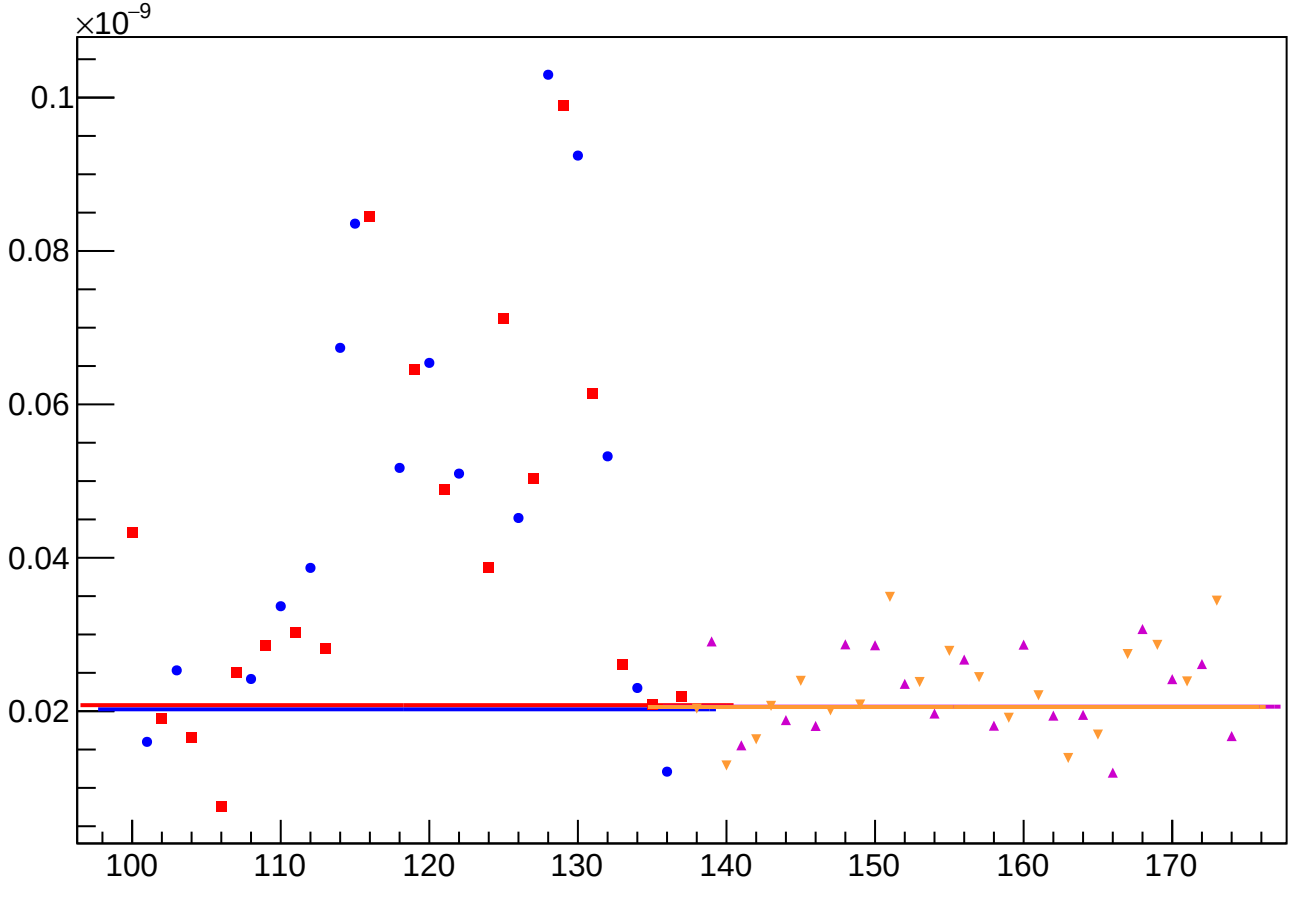
Left: 0.000+/-0.000 χ^2/NDF: 34.5/36

Right: 0.000+/-0.000 χ^2/NDF: 38.7/34

In: 0.000+/-0.000 χ^2/NDF:28.2/33

Out: 0.000+/-0.000 χ^2/NDF:45.0/37

All: 0.000+/-0.000 χ^2/NDF: 75.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 2004678.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:857032.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1855885.9/18

Left In: 0.000+/-0.000 χ^2/NDF:704507.4/17

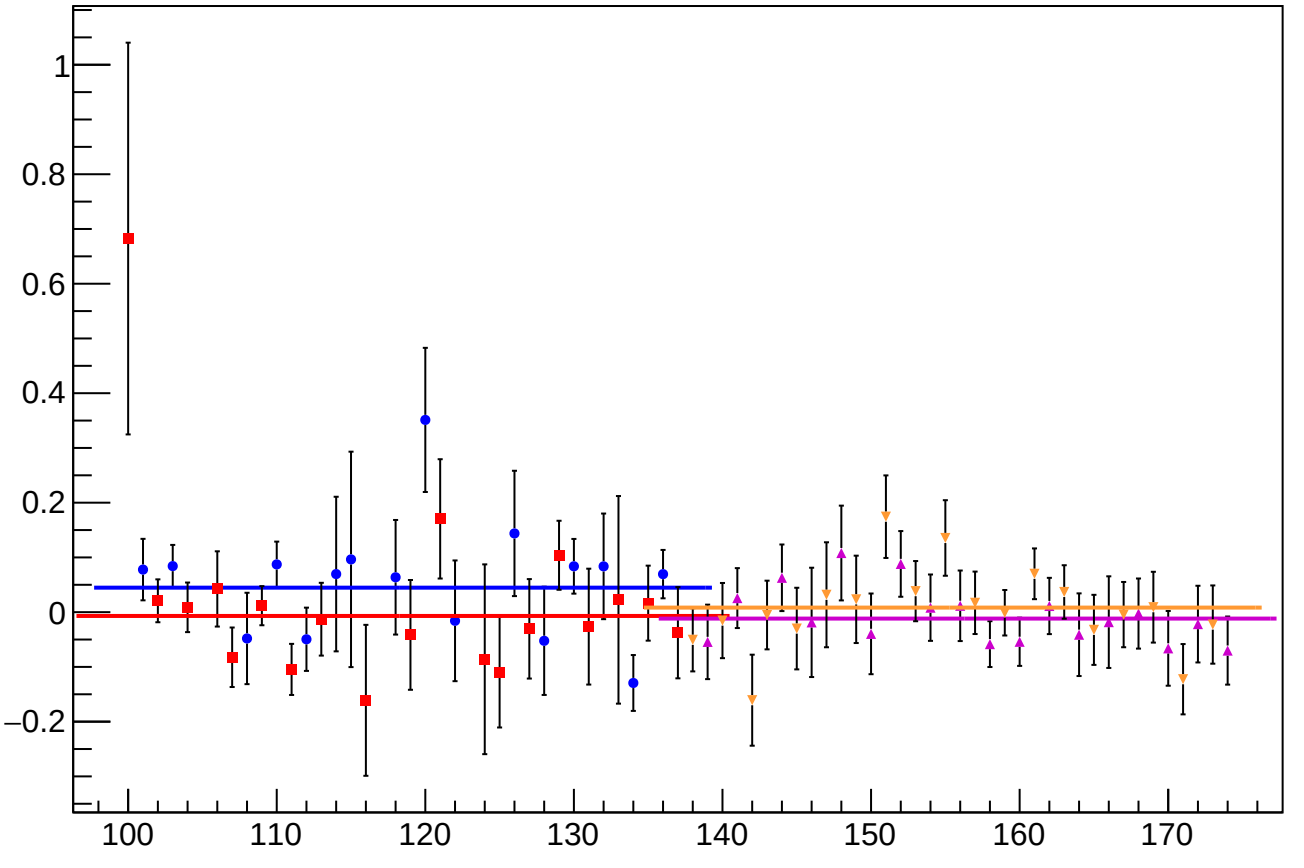
Left: 0.000+/-0.000 χ^2/NDF: 1561566.8/36

Right: 0.000+/-0.000 χ^2/NDF: 3862189.3/34

In: 0.000+/-0.000 χ^2/NDF:2710148.1/33

Out: 0.000+/-0.000 χ^2/NDF:2713361.6/37

All: 0.000+/-0.000 χ^2/NDF: 5423830.0/71



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

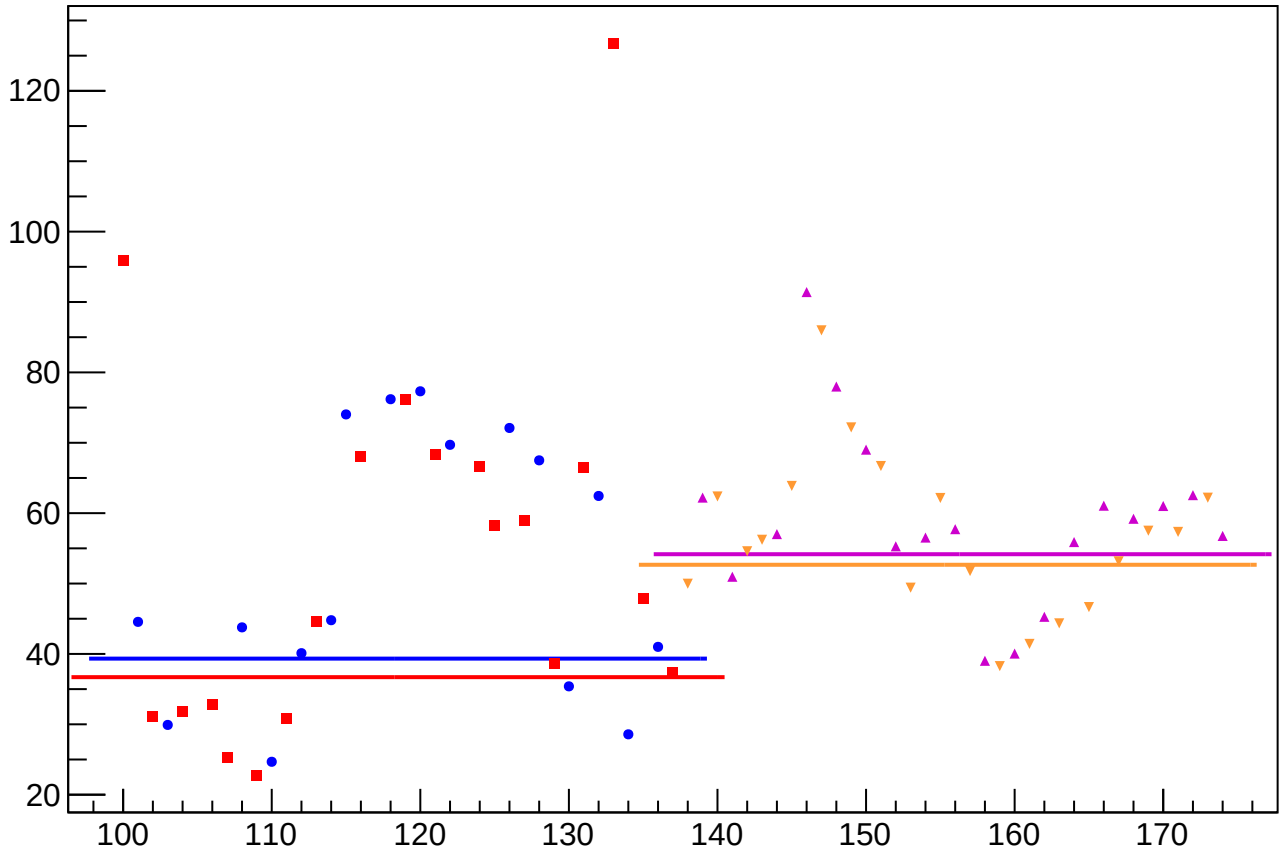
Left: -0.001+/-0.010 χ^2/NDF: 33.7/36

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.007+/-0.007 χ^2/NDF: 87.6/71



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.667+/-0.010 χ^2/NDF:1063788.7/18

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.168+/-0.010 χ^2/NDF:1166189.4/17

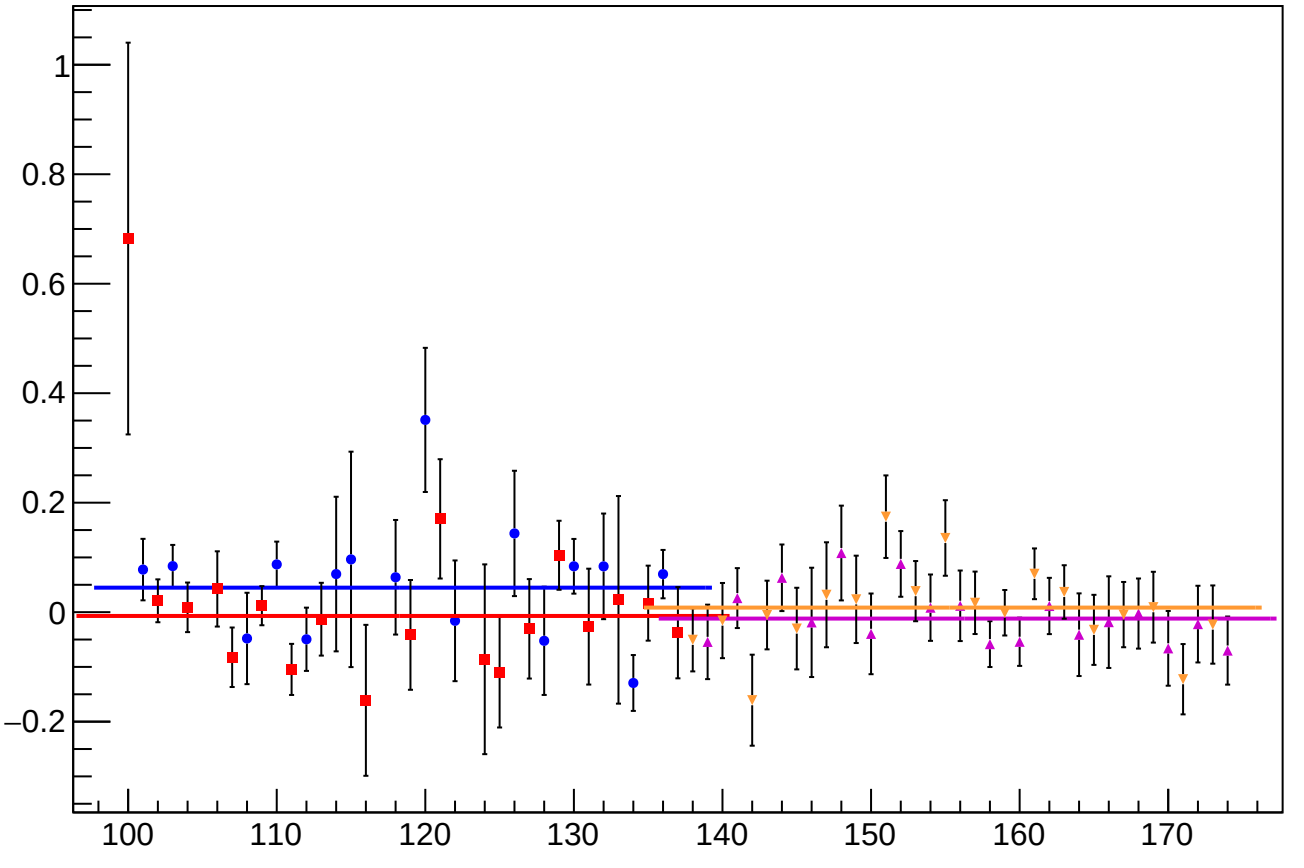
Left: 53.393+/-0.007 χ^2/NDF: 2240971.3/36

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.470+/-0.008 χ^2/NDF:3672915.0/33

Out: 45.249+/-0.007 χ^2/NDF:4356298.9/37

All: 46.310+/-0.005 χ^2/NDF: 8073642.9/71



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

Left: -0.001+/-0.010 χ^2/NDF: 33.7/36

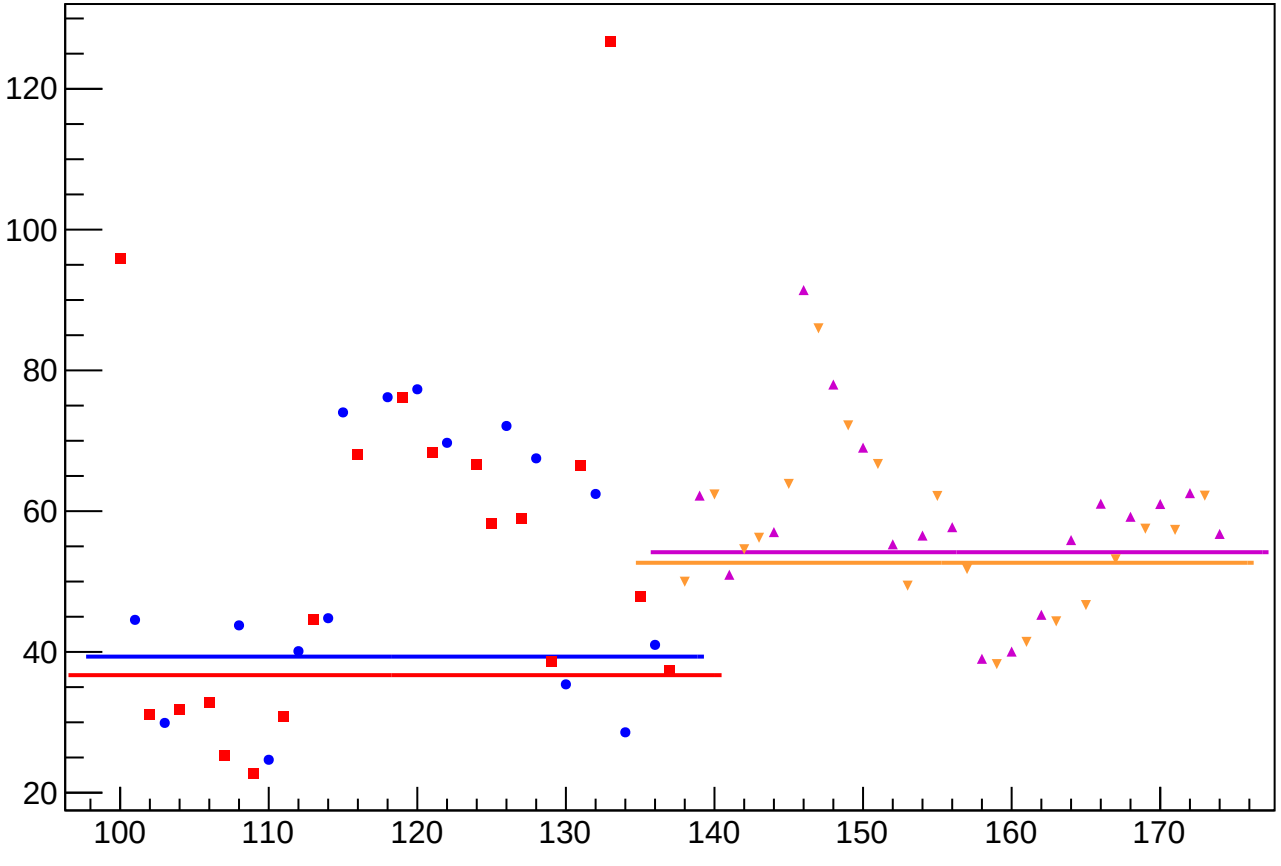
Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.007+/-0.007 χ^2/NDF: 87.6/71

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.335+/-0.011 χ^2/NDF: 1566525.1/15

Left Out: 52.667+/-0.010 χ^2/NDF:1063788.7/18

Right Out: 36.700+/-0.011 χ^2/NDF: 2096756.0/18

Left In: 54.168+/-0.010 χ^2/NDF:1166189.4/17

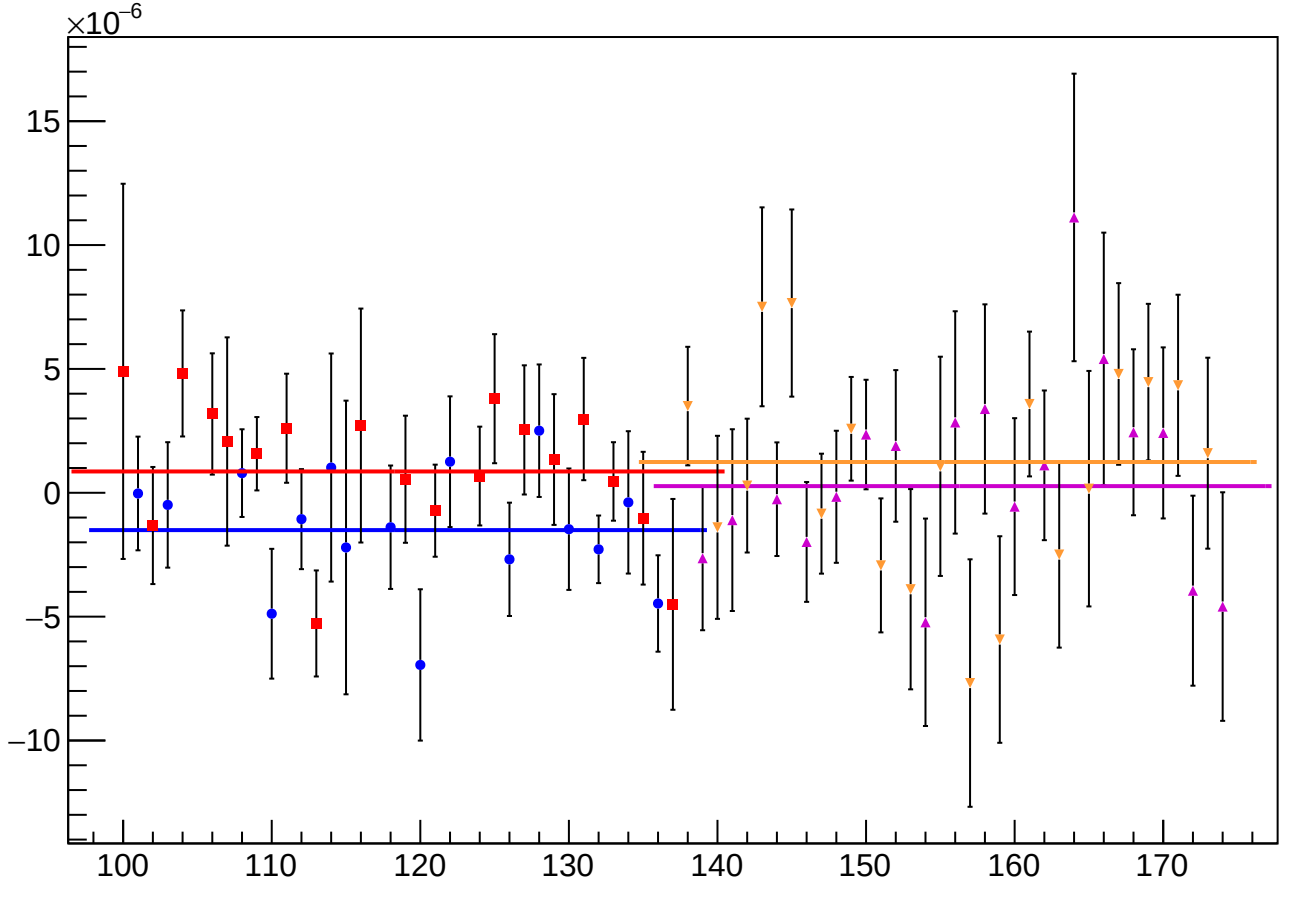
Left: 53.393+/-0.007 χ^2/NDF: 2240971.3/36

Right: 37.940+/-0.008 χ^2/NDF: 3691907.9/34

In: 47.470+/-0.008 χ^2/NDF:3672915.0/33

Out: 45.249+/-0.007 χ^2/NDF:4356298.9/37

All: 46.310+/-0.005 χ^2/NDF: 8073642.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 13.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

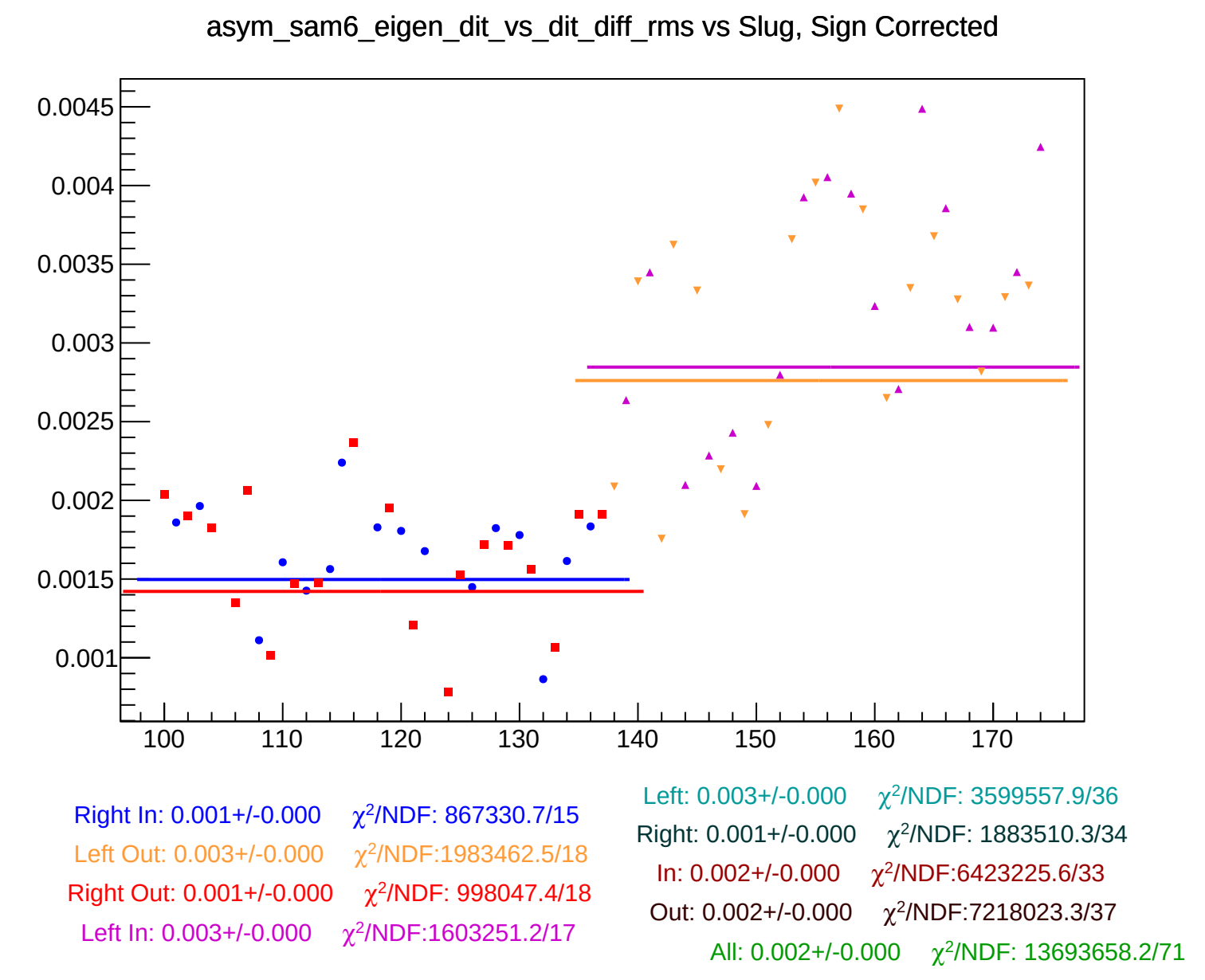
Left: 0.000+/-0.000 χ^2/NDF: 37.0/36

Right: -0.000+/-0.000 χ^2/NDF: 41.9/34

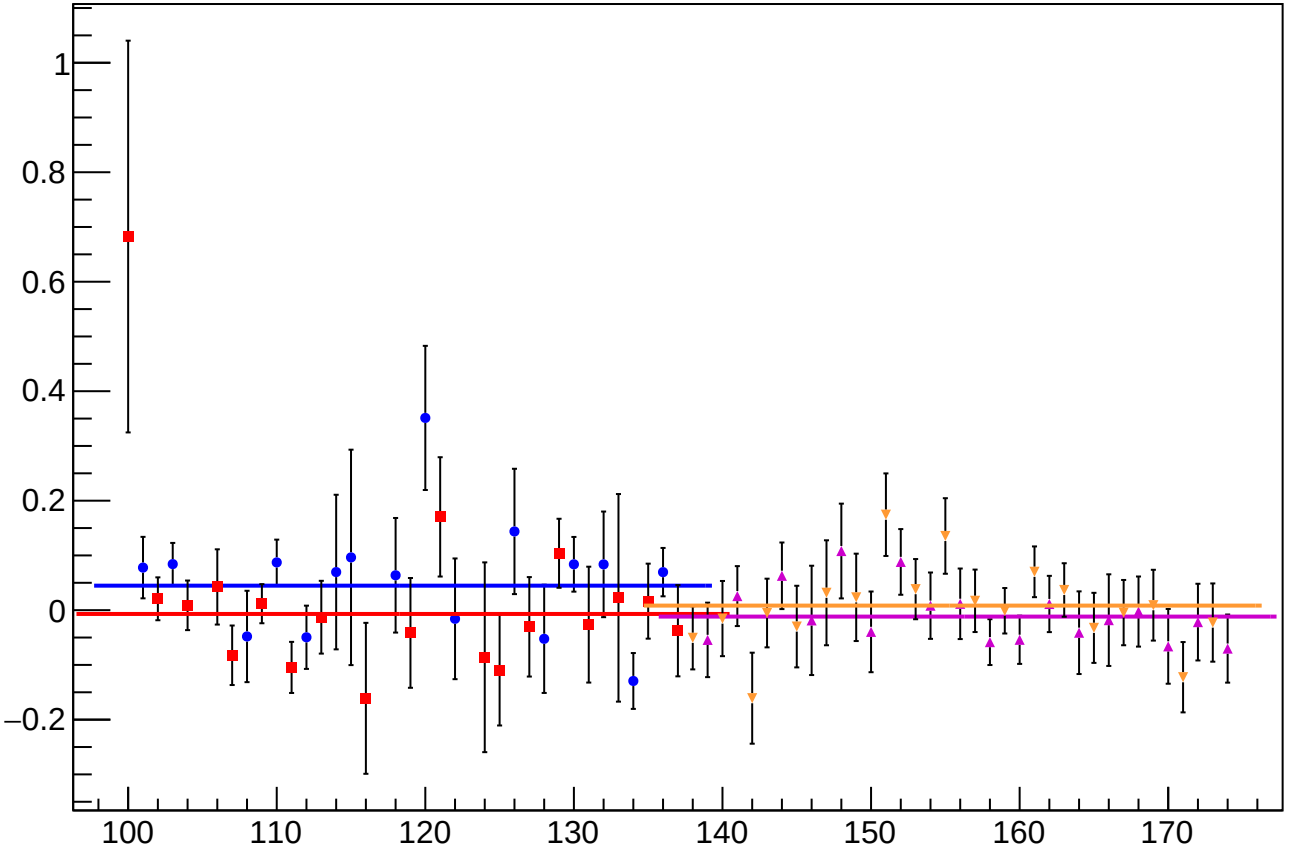
In: -0.000+/-0.000 χ^2/NDF:30.9/33

Out: 0.000+/-0.000 χ^2/NDF:41.8/37

All: 0.000+/-0.000 χ^2/NDF: 81.2/71


asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 867330.7/15
Left Out: 0.003+/-0.000 χ²/NDF:1983462.5/18
Right Out: 0.001+/-0.000 χ²/NDF: 998047.4/18
Left In: 0.003+/-0.000 χ²/NDF:1603251.2/17
Left: 0.003+/-0.000 χ²/NDF: 3599557.9/36
Right: 0.001+/-0.000 χ²/NDF: 1883510.3/34
In: 0.002+/-0.000 χ²/NDF:6423225.6/33
Out: 0.002+/-0.000 χ²/NDF:7218023.3/37
All: 0.002+/-0.000 χ²/NDF: 13693658.2/71

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: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

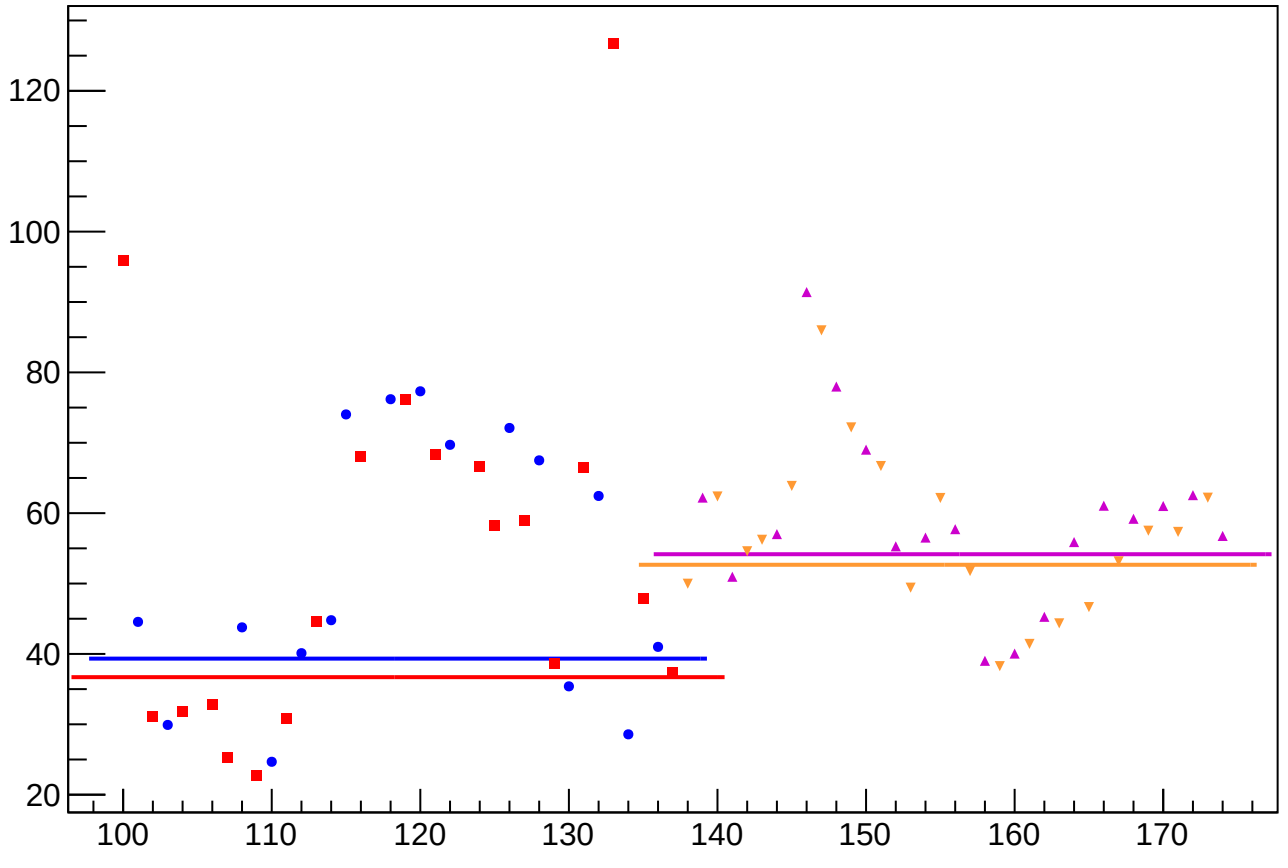
Left: -0.001+/-0.010 χ^2/NDF: 33.7/36

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.007+/-0.007 χ^2/NDF: 87.6/71



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.666+/-0.010 χ^2/NDF:1063876.1/18

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

Left: 53.392+/-0.007 χ^2/NDF: 2241191.7/36

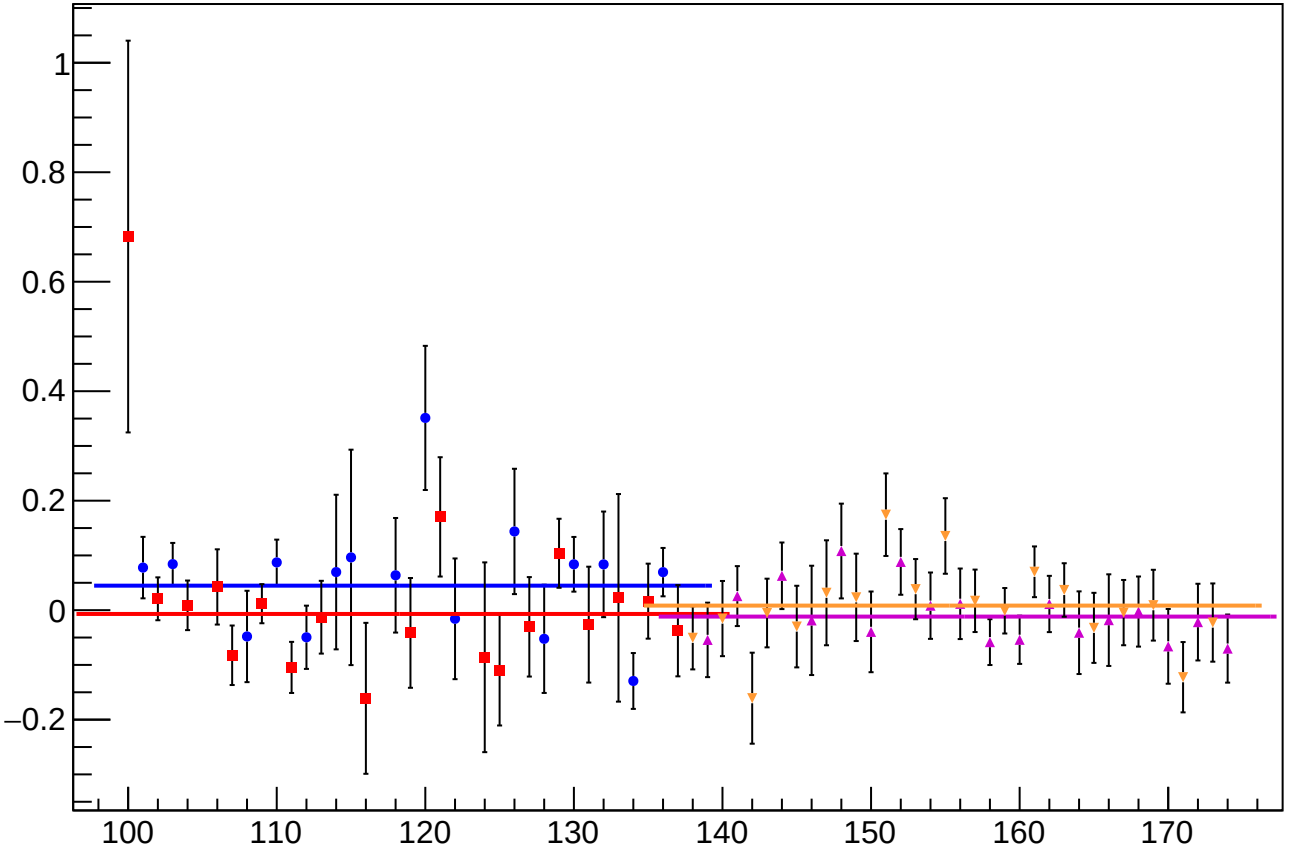
Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.469+/-0.008 χ^2/NDF:3673013.0/33

Out: 45.249+/-0.007 χ^2/NDF:4356292.2/37

All: 46.310+/-0.005 χ^2/NDF: 8073724.7/71

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.045+/-0.016 χ^2/NDF: 26.6/15

Left Out: 0.008+/-0.014 χ^2/NDF:21.2/18

Right Out: -0.007+/-0.015 χ^2/NDF: 20.2/18

Left In: -0.012+/-0.015 χ^2/NDF:11.5/17

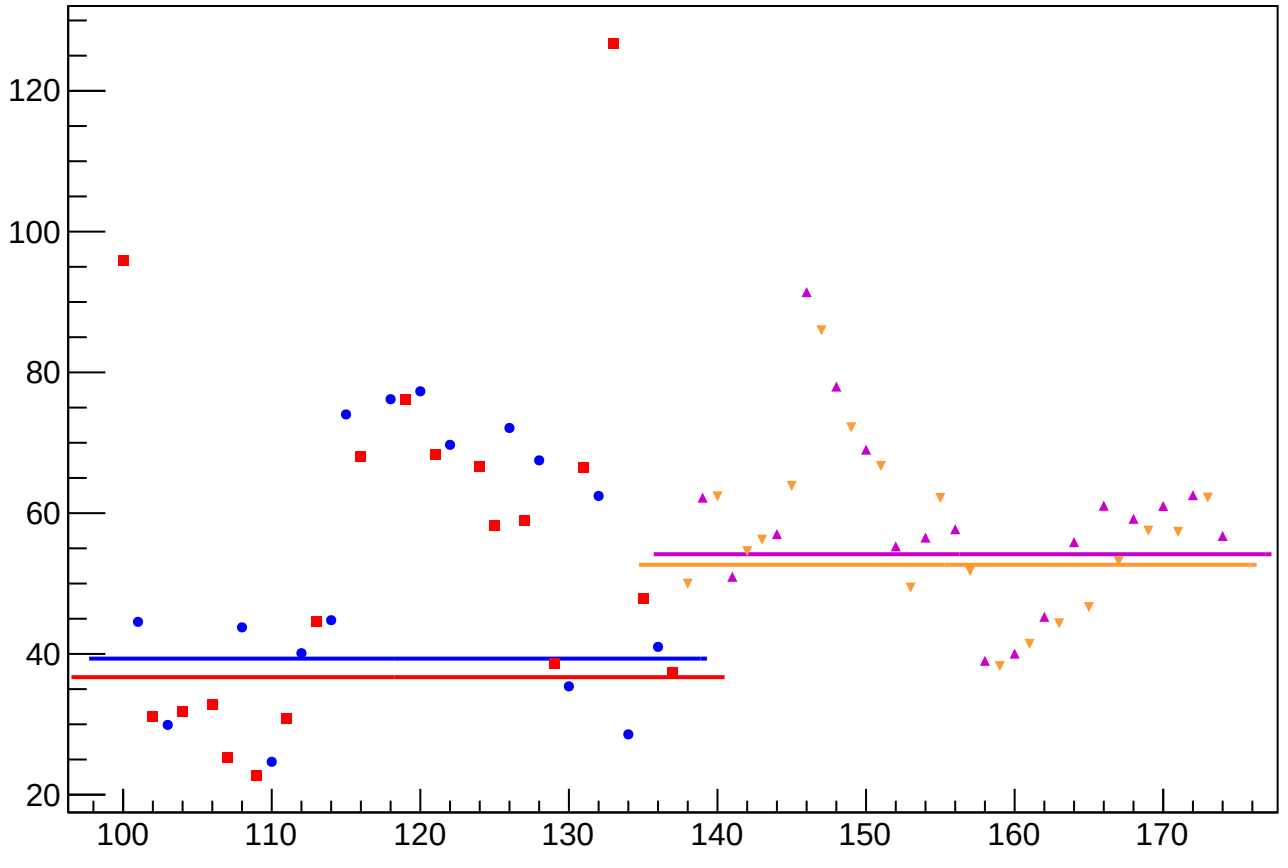
Left: -0.001+/-0.010 χ^2/NDF: 33.7/36

Right: 0.017+/-0.011 χ^2/NDF: 52.3/34

In: 0.014+/-0.011 χ^2/NDF:45.0/33

Out: 0.001+/-0.010 χ^2/NDF:41.9/37

All: 0.007+/-0.007 χ^2/NDF: 87.6/71



Right In: 39.334+/-0.011 χ^2/NDF: 1566545.4/15

Left Out: 52.666+/-0.010 χ^2/NDF:1063876.1/18

Right Out: 36.699+/-0.011 χ^2/NDF: 2096748.4/18

Left In: 54.166+/-0.010 χ^2/NDF:1166324.7/17

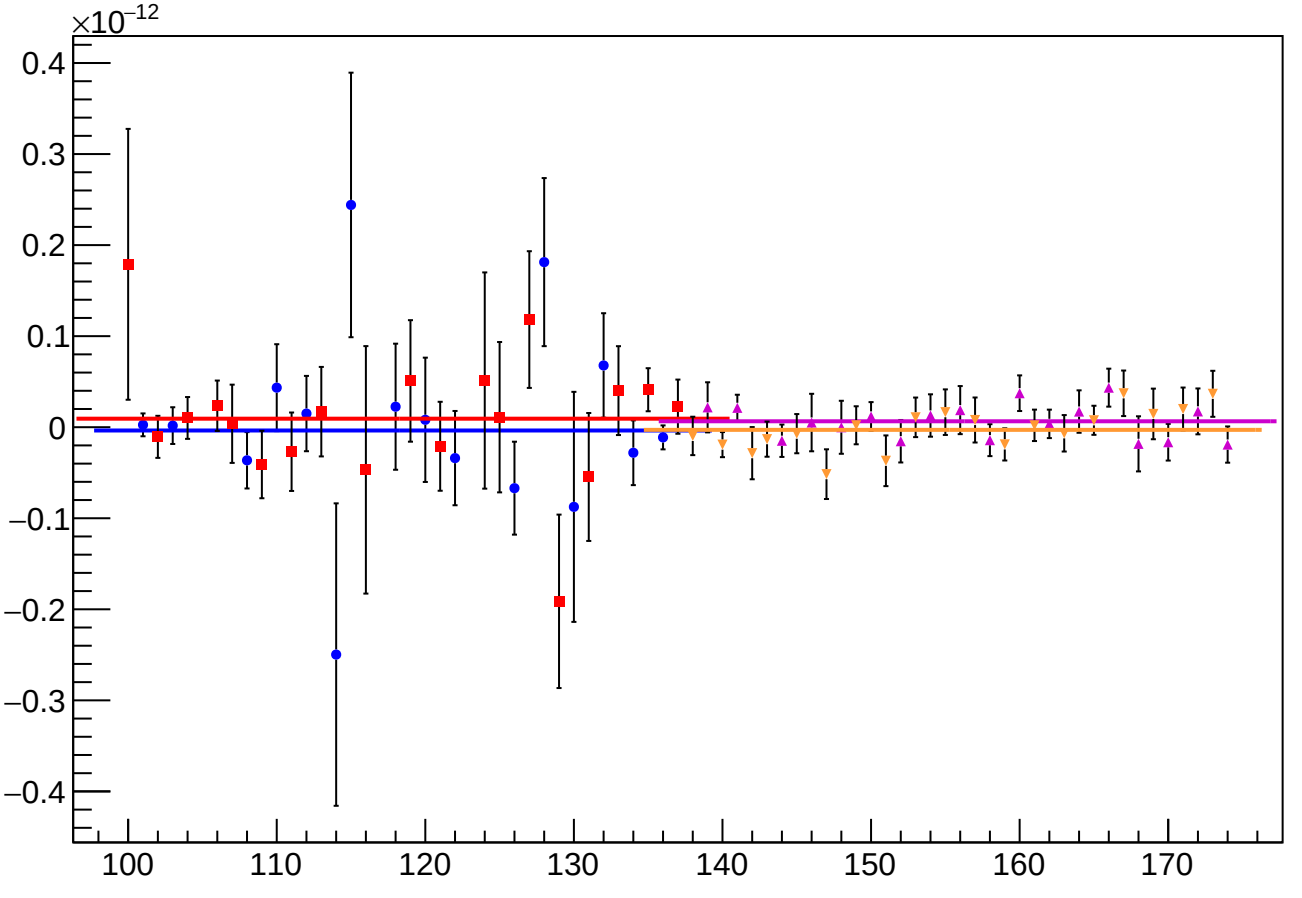
Left: 53.392+/-0.007 χ^2/NDF: 2241191.7/36

Right: 37.940+/-0.008 χ^2/NDF: 3691915.1/34

In: 47.469+/-0.008 χ^2/NDF:3673013.0/33

Out: 45.249+/-0.007 χ^2/NDF:4356292.2/37

All: 46.310+/-0.005 χ^2/NDF: 8073724.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.7/18

Left In: 0.000+/-0.000 χ^2/NDF:15.2/17

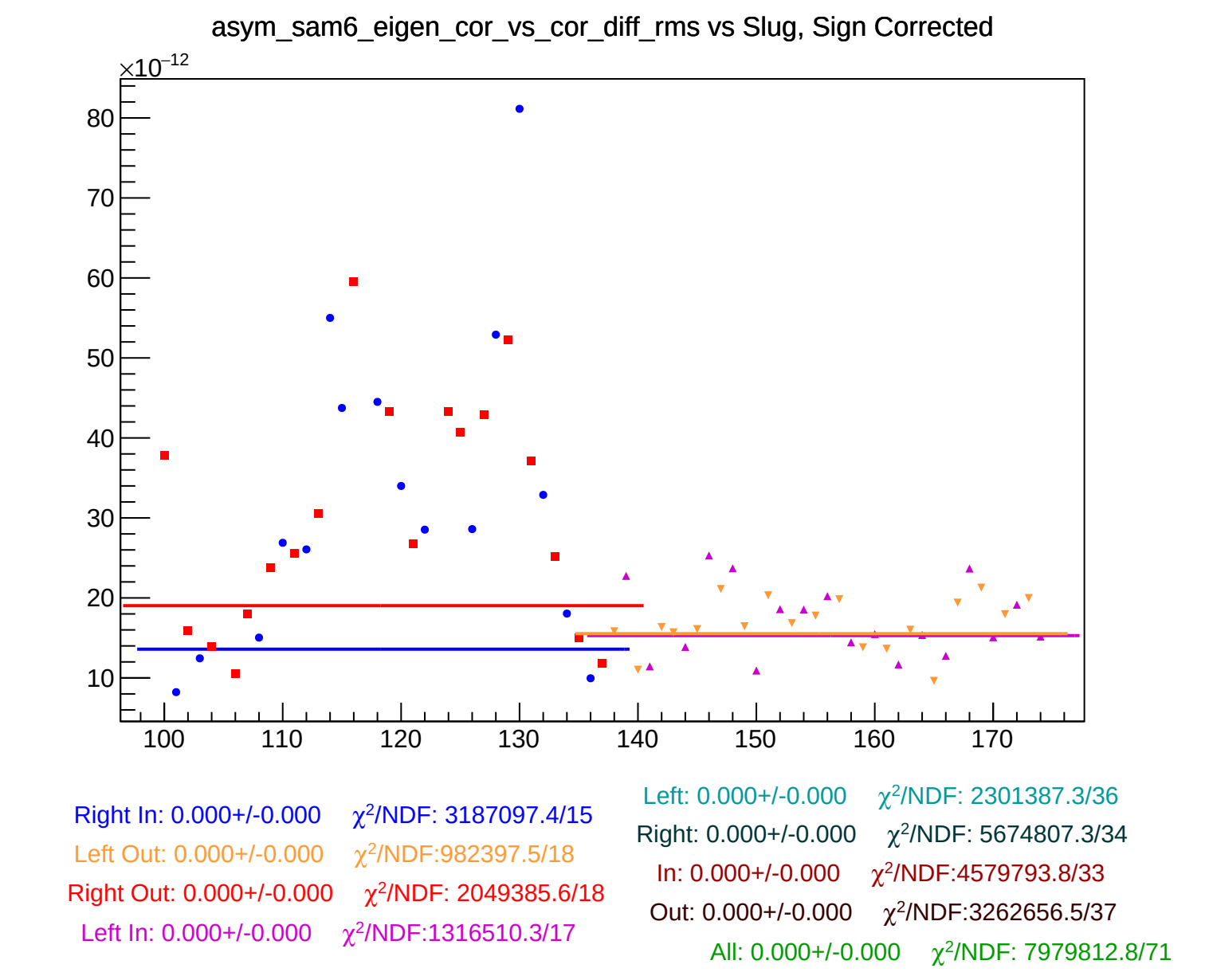
Left: 0.000+/-0.000 χ^2/NDF: 33.4/36

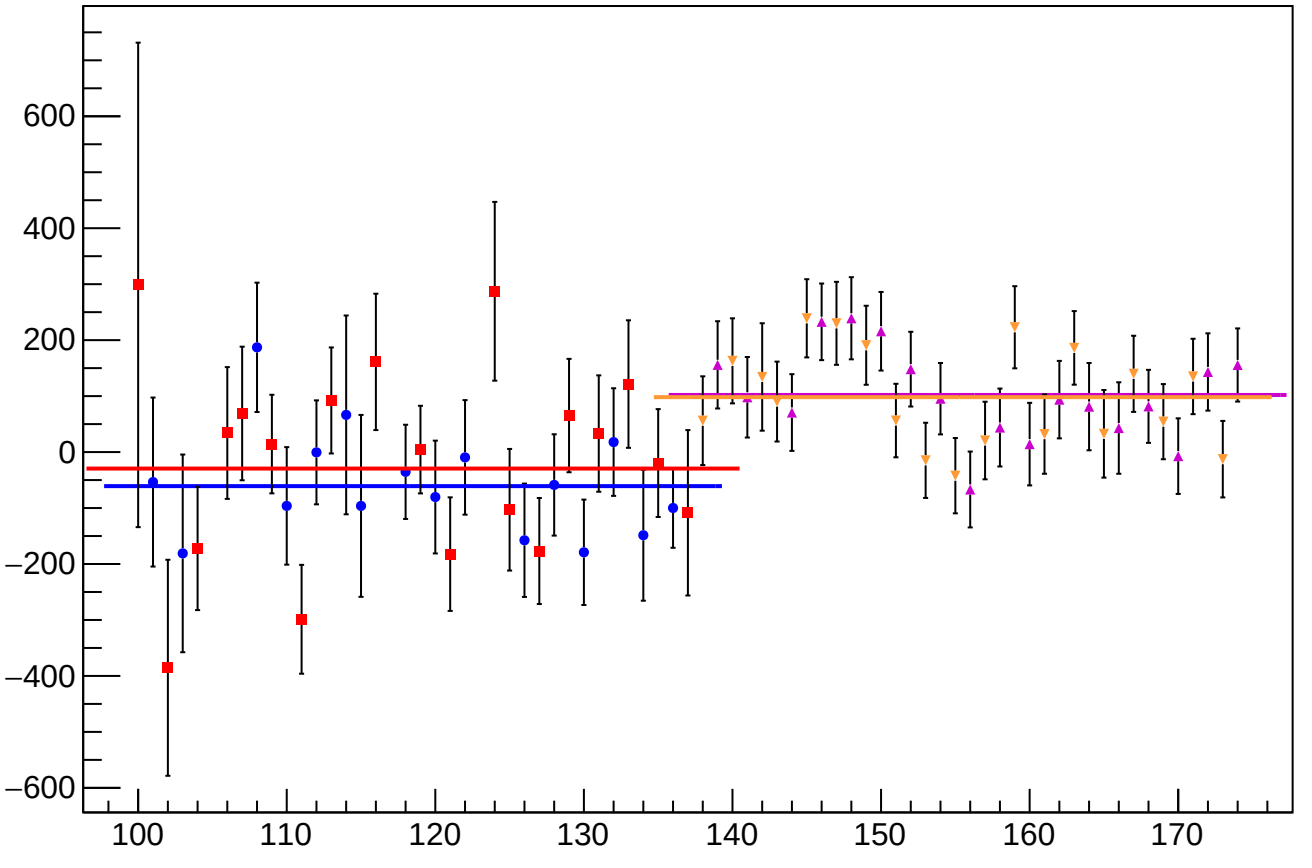
Right: 0.000+/-0.000 χ^2/NDF: 33.6/34

In: 0.000+/-0.000 χ^2/NDF:33.1/33

Out: -0.000+/-0.000 χ^2/NDF:33.4/37

All: 0.000+/-0.000 χ^2/NDF: 66.9/71


asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3187097.4/15
Left Out: 0.000+/-0.000 χ²/NDF:982397.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 2049385.6/18
Left In: 0.000+/-0.000 χ²/NDF:1316510.3/17
Left: 0.000+/-0.000 χ²/NDF: 2301387.3/36
Right: 0.000+/-0.000 χ²/NDF: 5674807.3/34
In: 0.000+/-0.000 χ²/NDF:4579793.8/33
Out: 0.000+/-0.000 χ²/NDF:3262656.5/37
All: 0.000+/-0.000 χ²/NDF: 7979812.8/71



Right In: -60.846+/-26.054 χ^2/NDF: 10.6/15

Left Out: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: -29.453+/-25.105 χ^2/NDF: 31.2/18

Left In: 102.041+/-16.504 χ^2/NDF:23.6/17

Left: 100.064+/-11.601 χ^2/NDF: 52.6/36

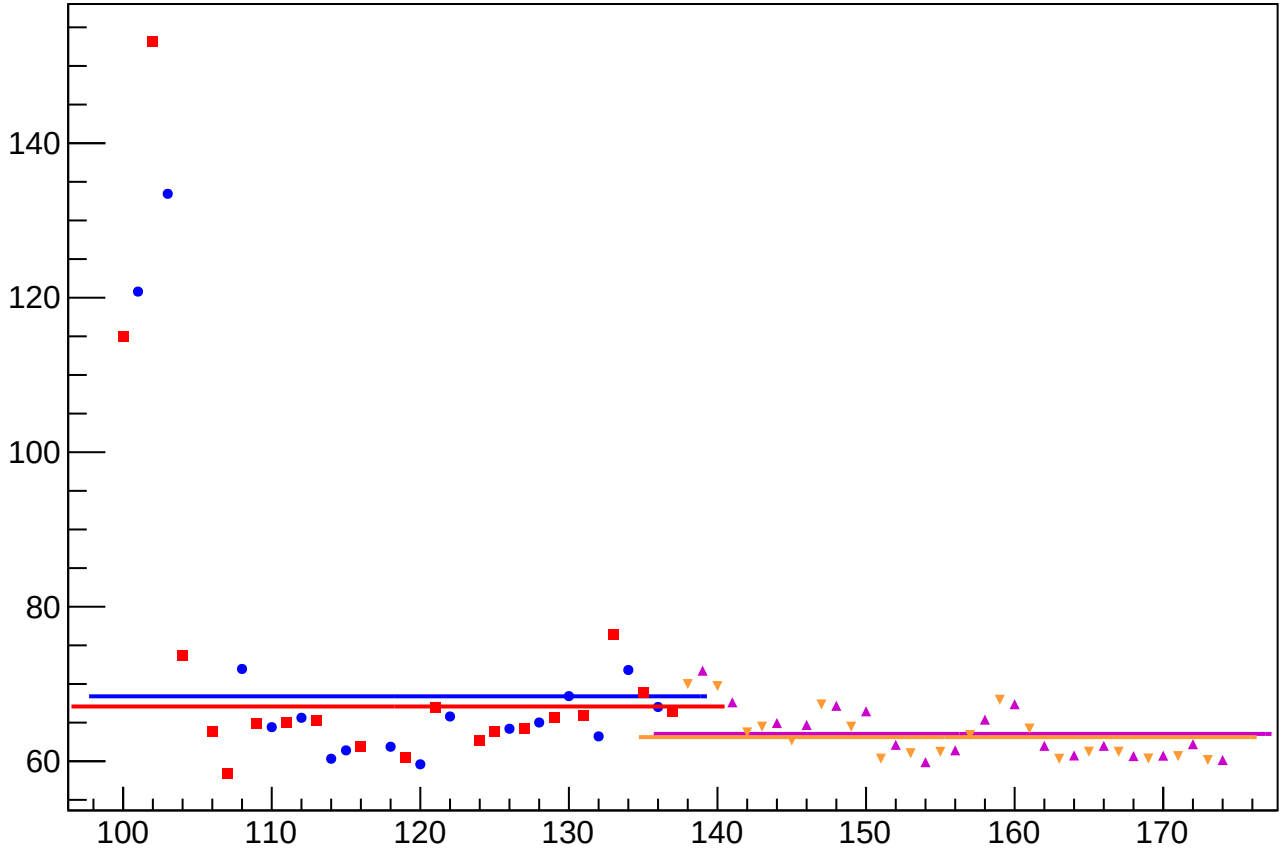
Right: -44.568+/-18.078 χ^2/NDF: 42.5/34

In: 55.396+/-13.942 χ^2/NDF:62.1/33

Out: 60.265+/-13.677 χ^2/NDF:78.3/37

All: 57.877+/-9.764 χ^2/NDF: 140.4/71

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.5/15

Left Out: 63.121+/-0.012 χ^2/NDF:70726.1/18

Right Out: 67.086+/-0.018 χ^2/NDF: 481815.1/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

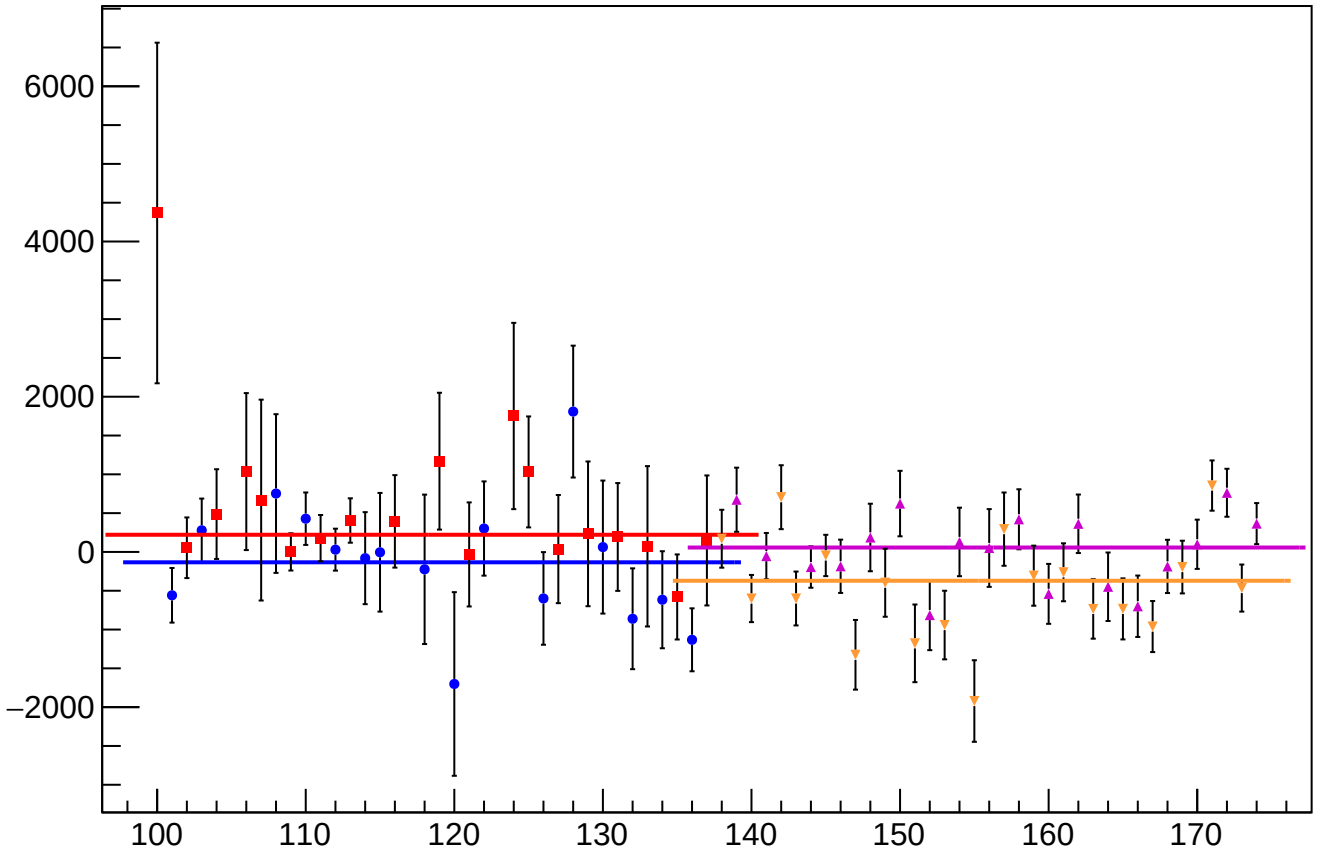
Left: 63.326+/-0.008 χ^2/NDF: 143688.7/36

Right: 67.720+/-0.013 χ^2/NDF: 1054024.8/34

In: 64.930+/-0.010 χ^2/NDF:691695.6/33

Out: 64.298+/-0.010 χ^2/NDF:587616.4/37

All: 64.608+/-0.007 χ^2/NDF: 1281406.4/71



Right In: -133.590+/-125.904 χ^2/NDF: 22.5/15

Left Out: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: 221.324+/-117.783 χ^2/NDF: 12.5/18

Left In: 56.915+/-84.607 χ^2/NDF:25.4/17

Left: -156.871+/-59.883 χ^2/NDF: 88.9/36

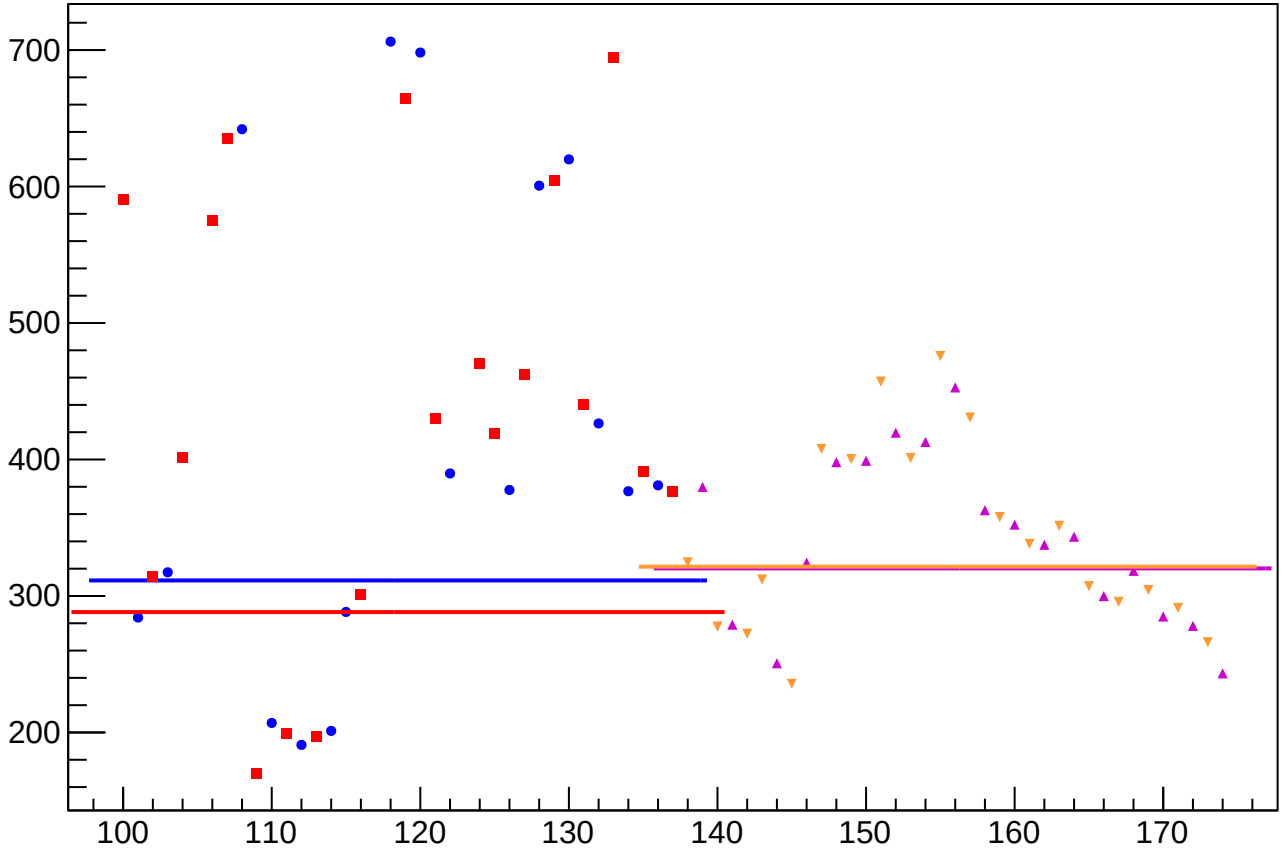
Right: 55.682+/-86.013 χ^2/NDF: 39.2/34

In: -2.351+/-70.224 χ^2/NDF:49.4/33

Out: -169.194+/-68.802 χ^2/NDF:79.9/37

All: -87.479+/-49.145 χ^2/NDF: 132.2/71

asym_sam7_reg_correction_rms vs Slug, Sign Corrected



Right In: 311.386+/-0.089 χ^2/NDF: 2123797.6/15

Left Out: 321.508+/-0.060 χ^2/NDF:1047539.1/18

Right Out: 288.205+/-0.083 χ^2/NDF: 2715380.6/18

Left In: 320.201+/-0.060 χ^2/NDF:958829.8/17

Left: 320.853+/-0.042 χ^2/NDF: 2006607.1/36

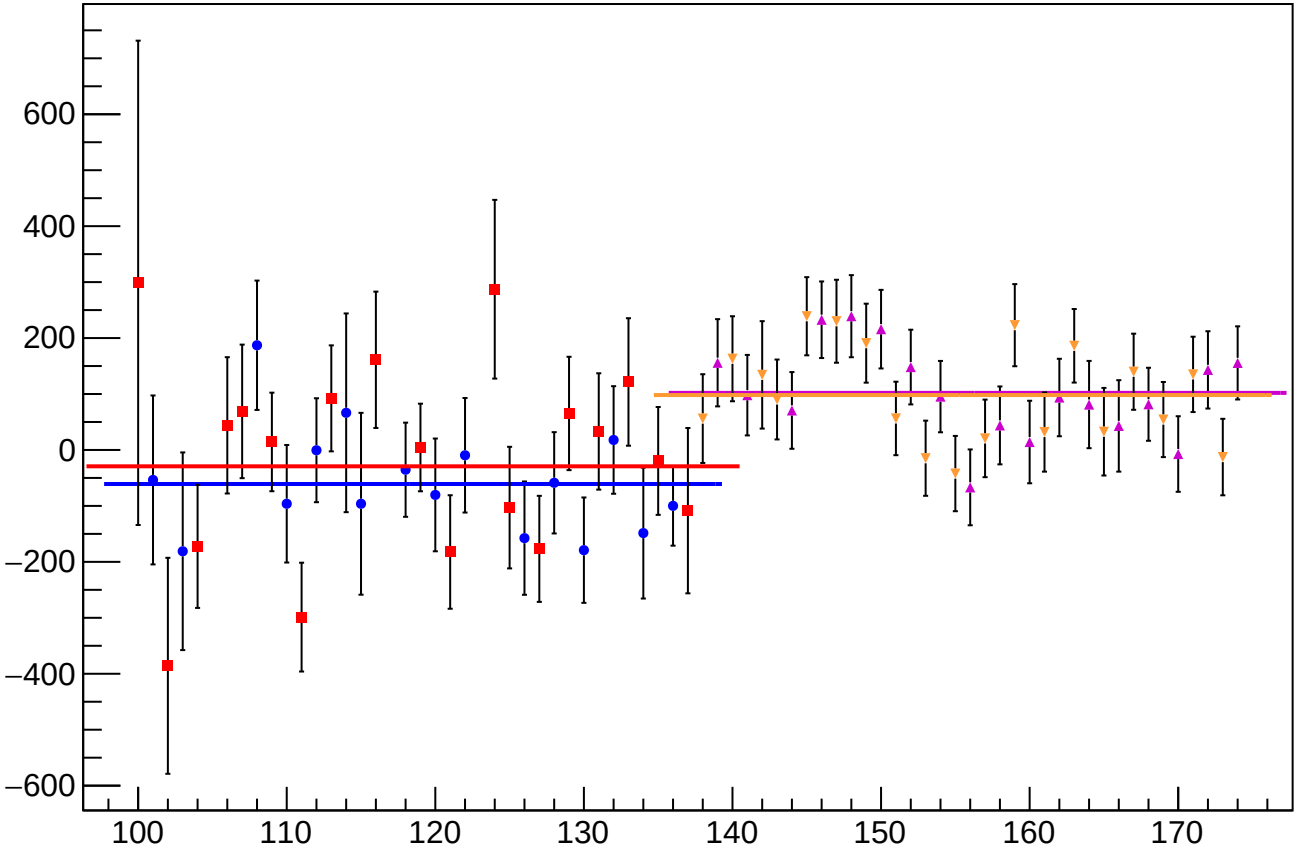
Right: 299.024+/-0.061 χ^2/NDF: 4875335.3/34

In: 317.459+/-0.050 χ^2/NDF:3089381.5/33

Out: 310.144+/-0.049 χ^2/NDF:3868256.5/37

All: 313.727+/-0.035 χ^2/NDF: 6968709.6/71

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 102.038+/-16.504 χ^2/NDF:23.6/17

Left: 100.062+/-11.601 χ^2/NDF: 52.6/36

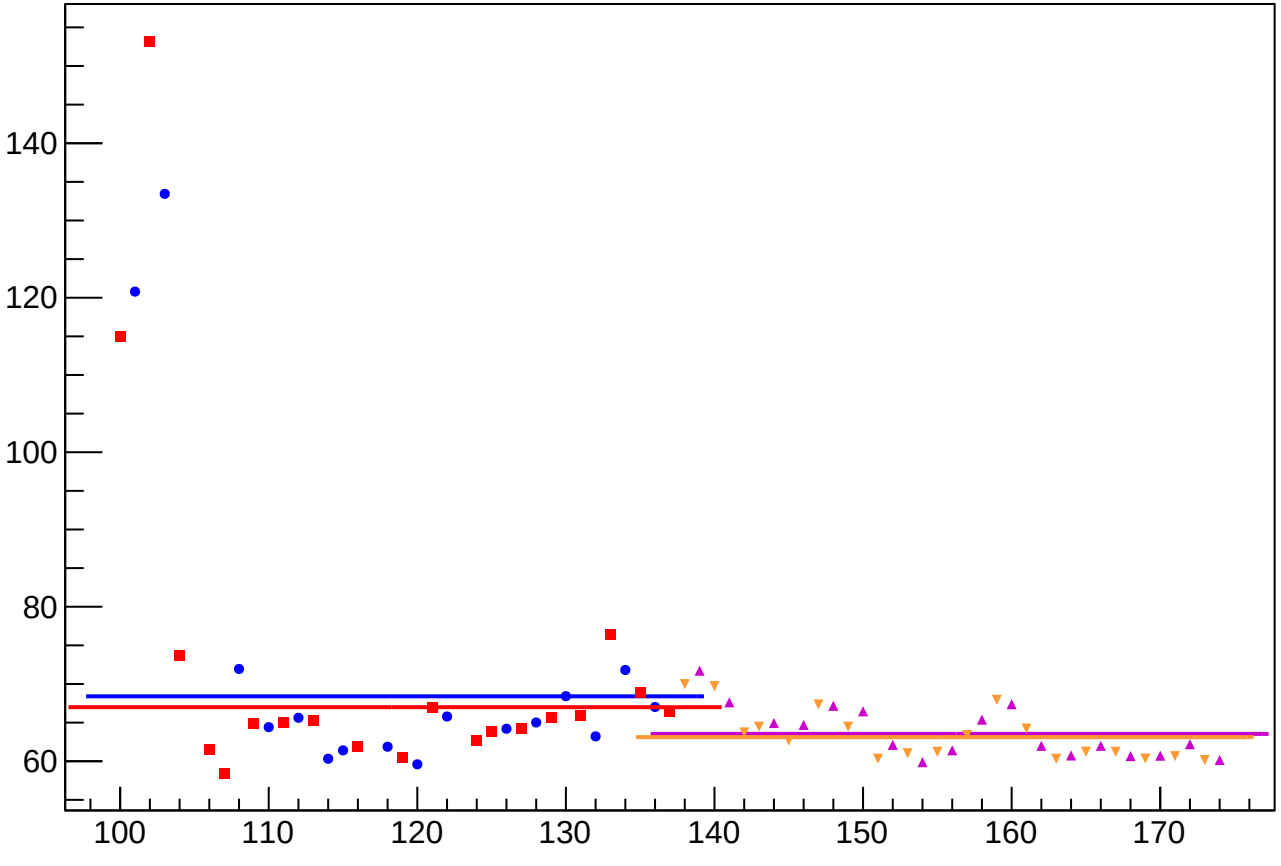
Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.393+/-13.942 χ^2/NDF:62.1/33

Out: 60.414+/-13.683 χ^2/NDF:78.3/37

All: 57.950+/-9.766 χ^2/NDF: 140.4/71

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.121+/-0.012 χ^2/NDF:70726.1/18

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

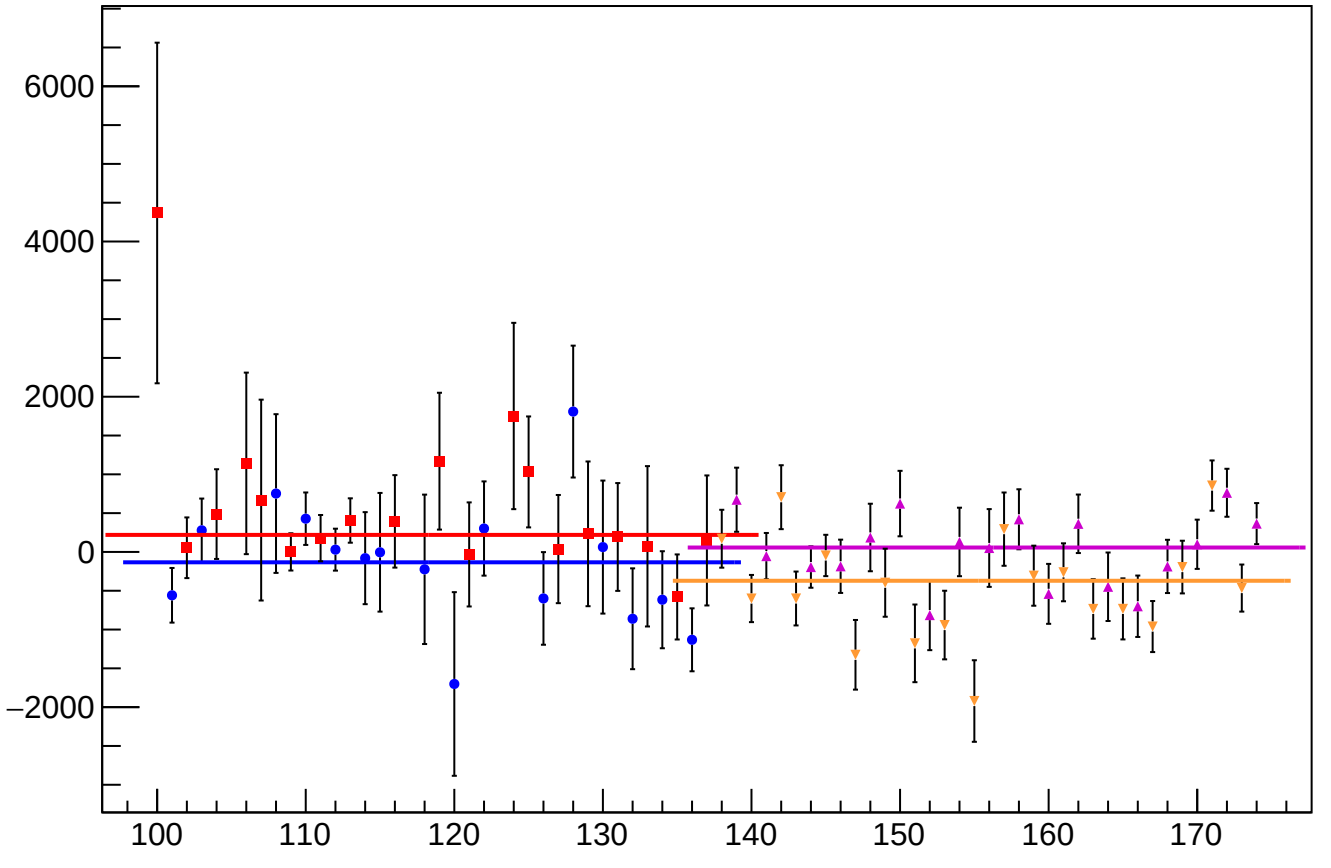
Left: 63.326+/-0.008 χ^2/NDF: 143688.7/36

Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.930+/-0.010 χ^2/NDF:691695.9/33

Out: 64.268+/-0.010 χ^2/NDF:588624.9/37

All: 64.593+/-0.007 χ^2/NDF: 1282614.0/71



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 56.907+/-84.607 χ^2/NDF:25.4/17

Left: -156.874+/-59.883 χ^2/NDF: 88.9/36

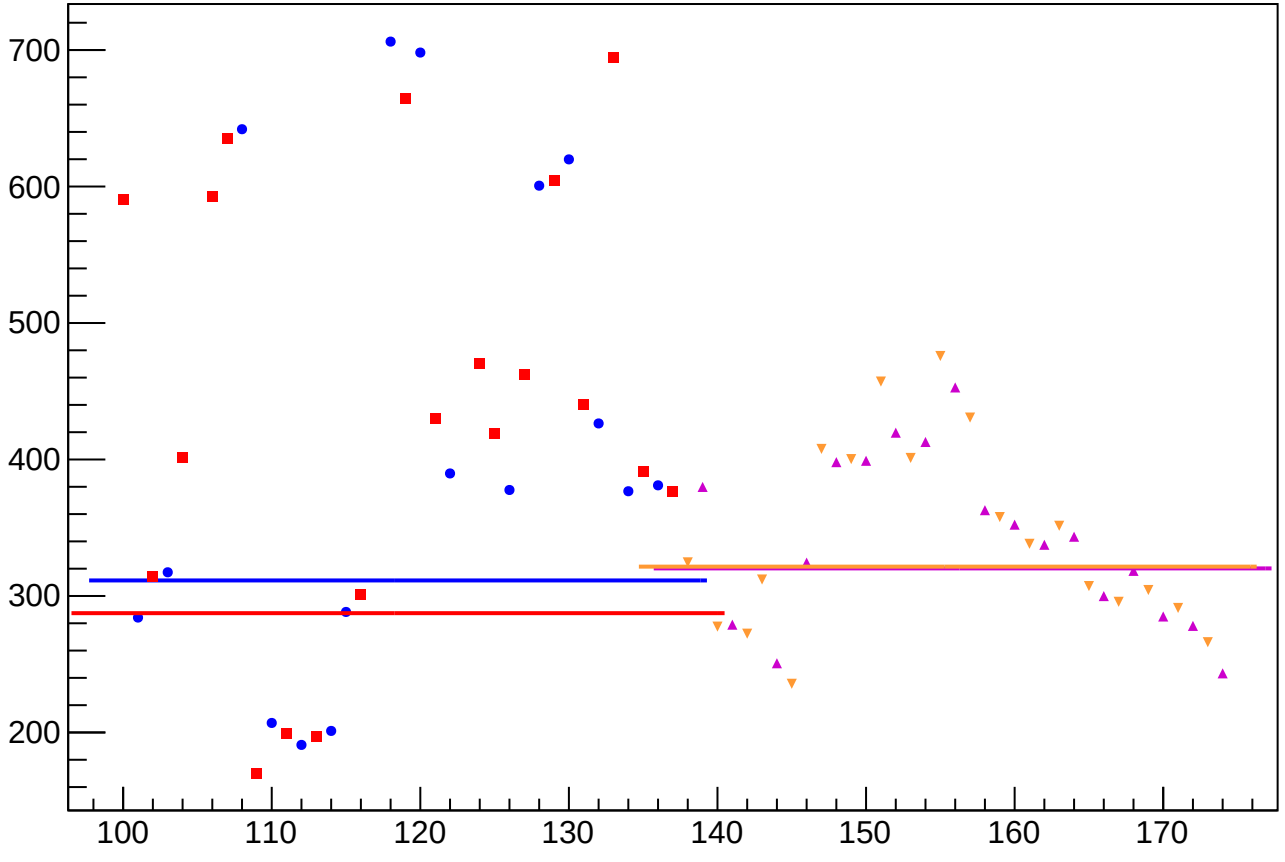
Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -2.354+/-70.224 χ^2/NDF:49.4/33

Out: -170.243+/-68.843 χ^2/NDF:79.8/37

All: -87.966+/-49.160 χ^2/NDF: 132.1/71

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 321.508+/-0.060 χ^2/NDF:1047542.8/18

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

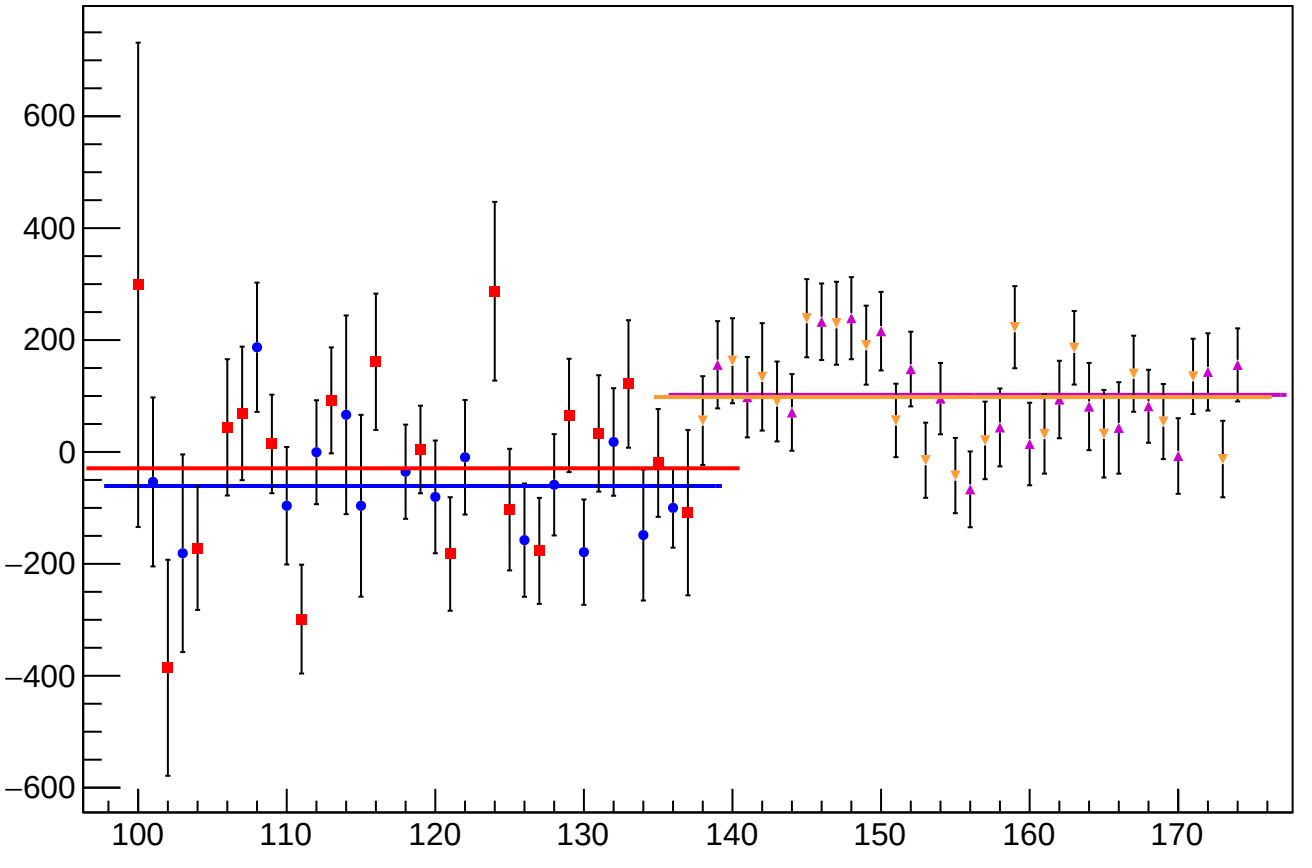
Left: 320.853+/-0.042 χ^2/NDF: 2006617.7/36

Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.459+/-0.050 χ^2/NDF:3089386.7/33

Out: 309.901+/-0.049 χ^2/NDF:3847949.5/37

All: 313.605+/-0.035 χ^2/NDF: 6949151.4/71



Right In: -60.848+/-26.054 χ^2/NDF: 10.6/15

Left Out: 98.132+/-16.310 χ^2/NDF:28.9/18

Right Out: -29.221+/-25.143 χ^2/NDF: 31.3/18

Left In: 102.038+/-16.504 χ^2/NDF:23.6/17

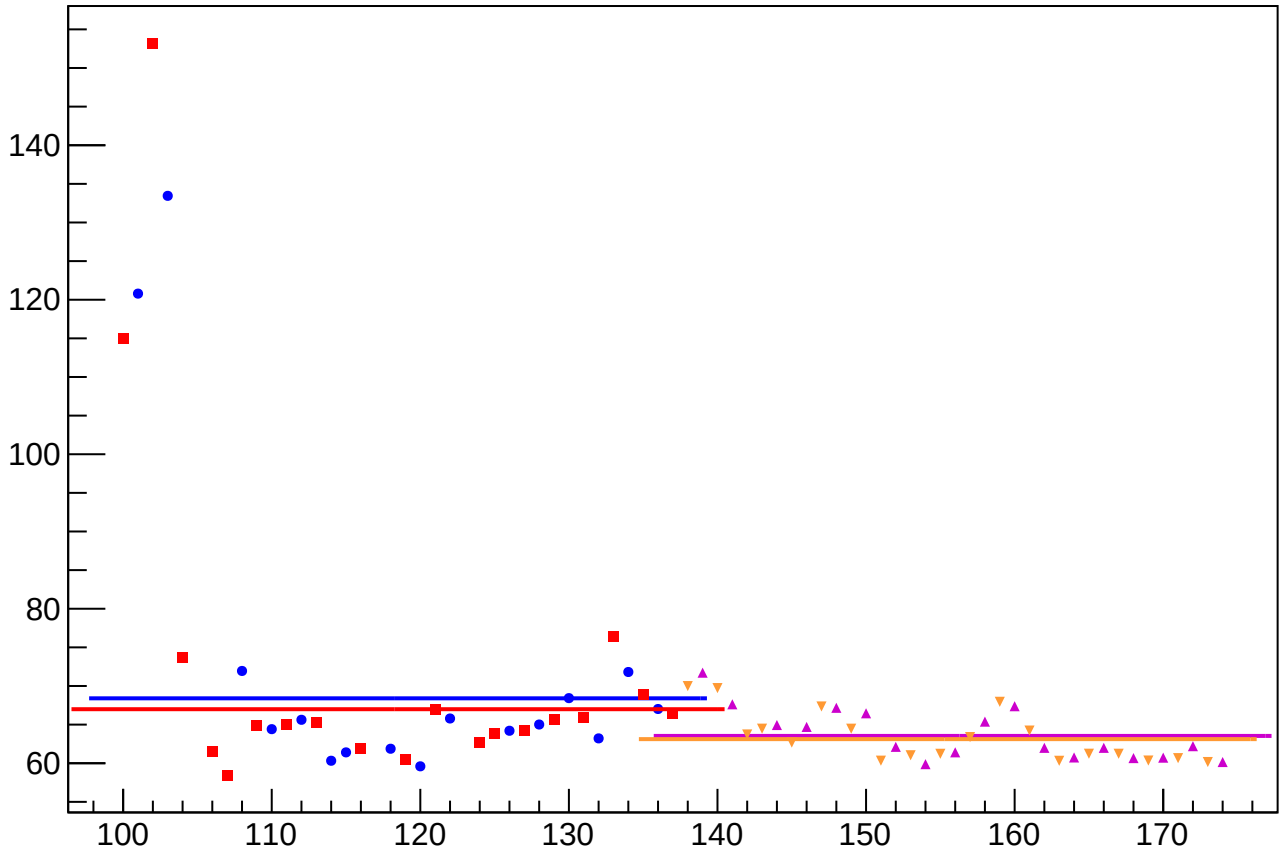
Left: 100.062+/-11.601 χ^2/NDF: 52.6/36

Right: -44.472+/-18.092 χ^2/NDF: 42.6/34

In: 55.393+/-13.942 χ^2/NDF:62.1/33

Out: 60.414+/-13.683 χ^2/NDF:78.3/37

All: 57.950+/-9.766 χ^2/NDF: 140.4/71



Right In: 68.403+/-0.018 χ^2/NDF: 569557.9/15

Left Out: 63.121+/-0.012 χ^2/NDF:70726.1/18

Right Out: 66.995+/-0.018 χ^2/NDF: 484487.7/18

Left In: 63.536+/-0.012 χ^2/NDF:72323.1/17

Left: 63.326+/-0.008 χ^2/NDF: 143688.7/36

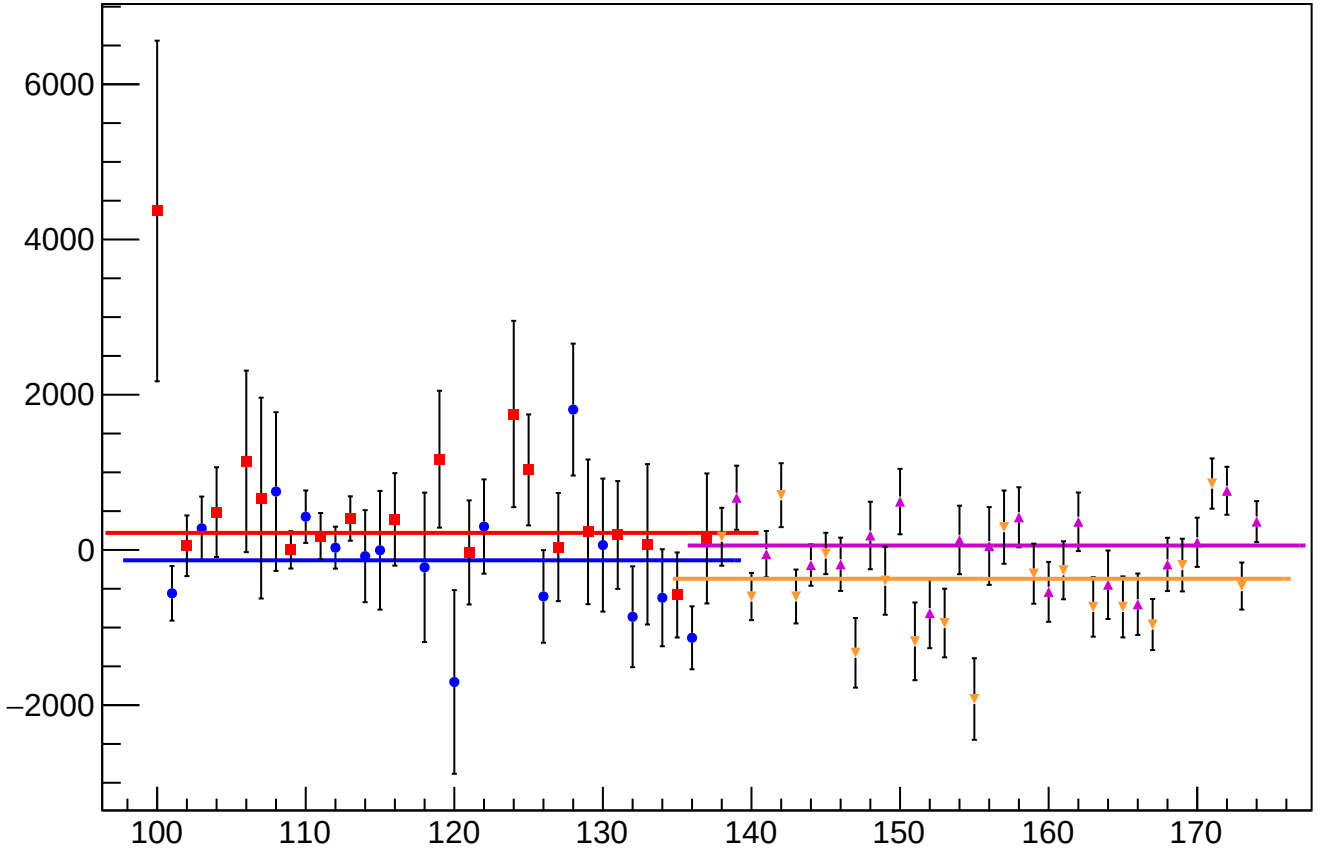
Right: 67.674+/-0.013 χ^2/NDF: 1057072.9/34

In: 64.930+/-0.010 χ^2/NDF:691695.9/33

Out: 64.268+/-0.010 χ^2/NDF:588624.9/37

All: 64.593+/-0.007 χ^2/NDF: 1282614.0/71

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -133.587+/-125.904 χ^2/NDF: 22.5/15

Left Out: -371.468+/-84.768 χ^2/NDF:50.7/18

Right Out: 219.615+/-117.989 χ^2/NDF: 12.5/18

Left In: 56.907+/-84.607 χ^2/NDF:25.4/17

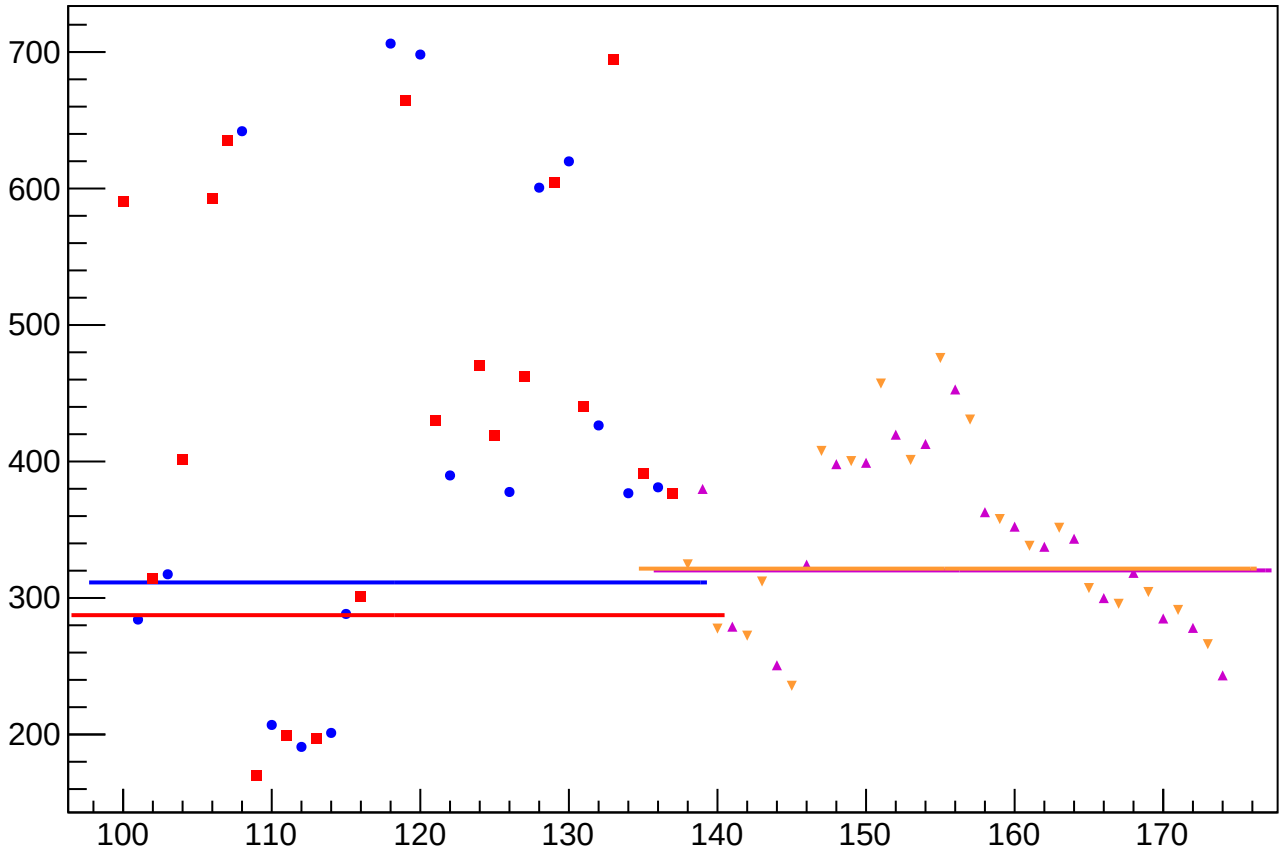
Left: -156.874+/-59.883 χ^2/NDF: 88.9/36

Right: 54.464+/-86.093 χ^2/NDF: 39.2/34

In: -2.354+/-70.224 χ^2/NDF:49.4/33

Out: -170.243+/-68.843 χ^2/NDF:79.8/37

All: -87.966+/-49.160 χ^2/NDF: 132.1/71



Right In: 311.388+/-0.089 χ^2/NDF: 2123799.0/15

Left Out: 321.508+/-0.060 χ^2/NDF:1047542.8/18

Right Out: 287.413+/-0.083 χ^2/NDF: 2690258.0/18

Left In: 320.201+/-0.060 χ^2/NDF:958836.8/17

Left: 320.853+/-0.042 χ^2/NDF: 2006617.7/36

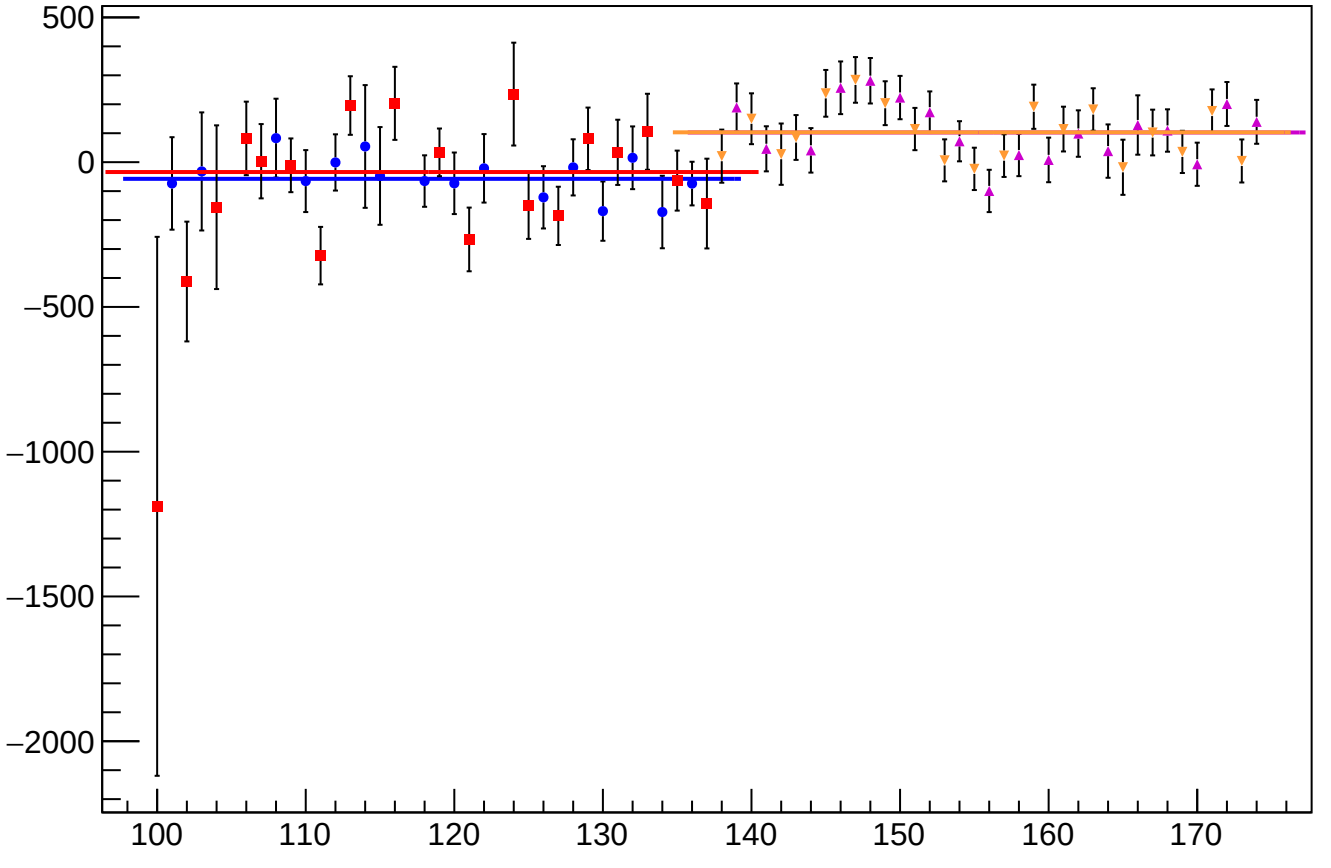
Right: 298.623+/-0.061 χ^2/NDF: 4852668.8/34

In: 317.459+/-0.050 χ^2/NDF:3089386.7/33

Out: 309.901+/-0.049 χ^2/NDF:3847949.5/37

All: 313.605+/-0.035 χ^2/NDF: 6949151.4/71

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -57.533+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.094+/-18.000 χ^2/NDF:25.2/18

Right Out: -34.033+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.610+/-18.350 χ^2/NDF:29.0/17

Left: 102.857+/-12.850 χ^2/NDF: 54.2/36

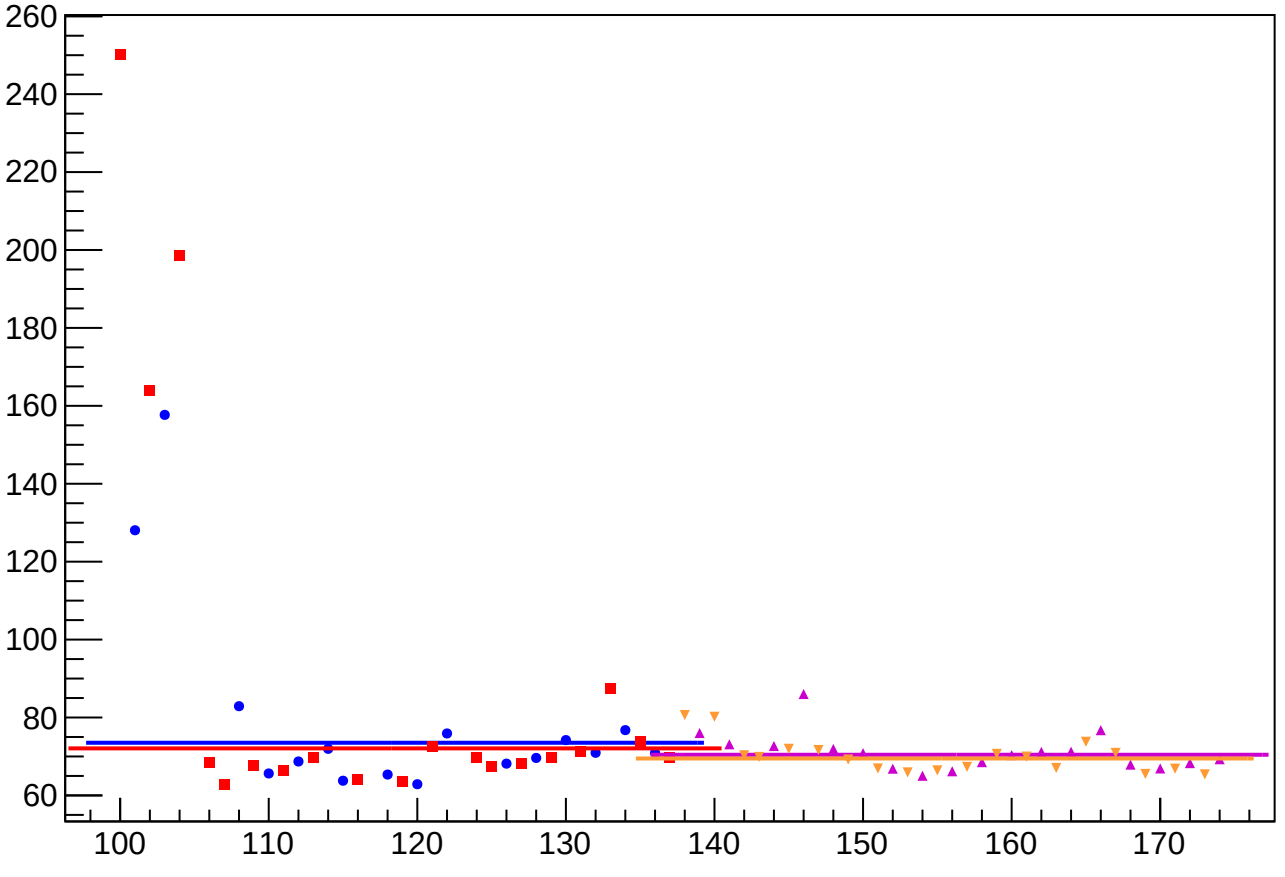
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 54.704+/-15.362 χ^2/NDF:56.7/33

Out: 61.751+/-15.044 χ^2/NDF:79.8/37

All: 58.301+/-10.748 χ^2/NDF: 136.6/71

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656847.5/15

Left Out: 69.480+/-0.013 χ^2/NDF:97168.6/18

Right Out: 72.074+/-0.019 χ^2/NDF: 958495.0/18

Left In: 70.437+/-0.013 χ^2/NDF:114585.4/17

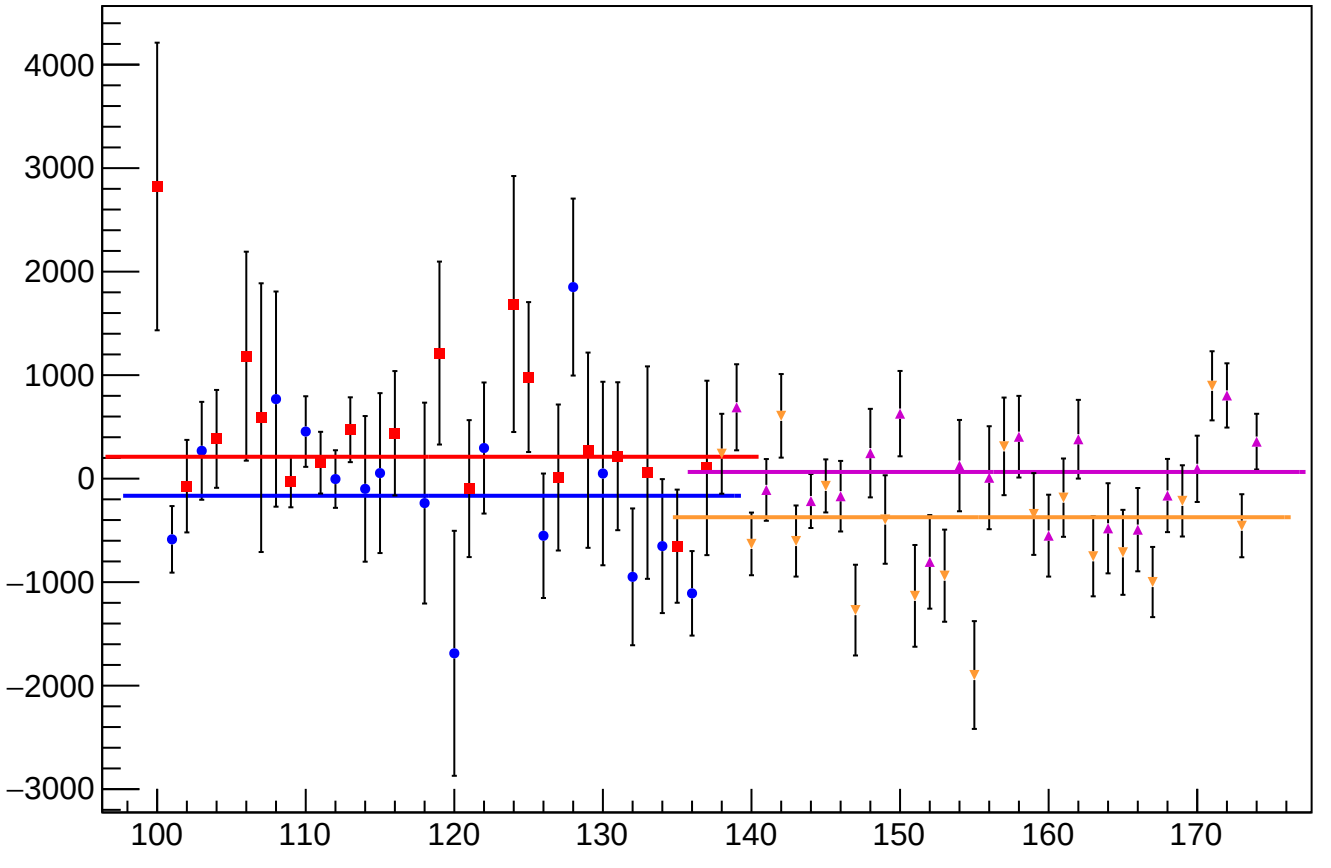
Left: 69.950+/-0.009 χ^2/NDF: 214528.2/36

Right: 72.779+/-0.014 χ^2/NDF: 1618055.3/34

In: 71.359+/-0.011 χ^2/NDF:788305.9/33

Out: 70.262+/-0.011 χ^2/NDF:1068184.6/37

All: 70.799+/-0.008 χ^2/NDF: 1861697.8/71



Right In: -165.500+/-128.438 χ^2/NDF: 22.6/15

Left Out: -372.743+/-85.002 χ^2/NDF:49.9/18

Right Out: 211.347+/-120.122 χ^2/NDF: 13.6/18

Left In: 64.518+/-84.858 χ^2/NDF:24.6/17

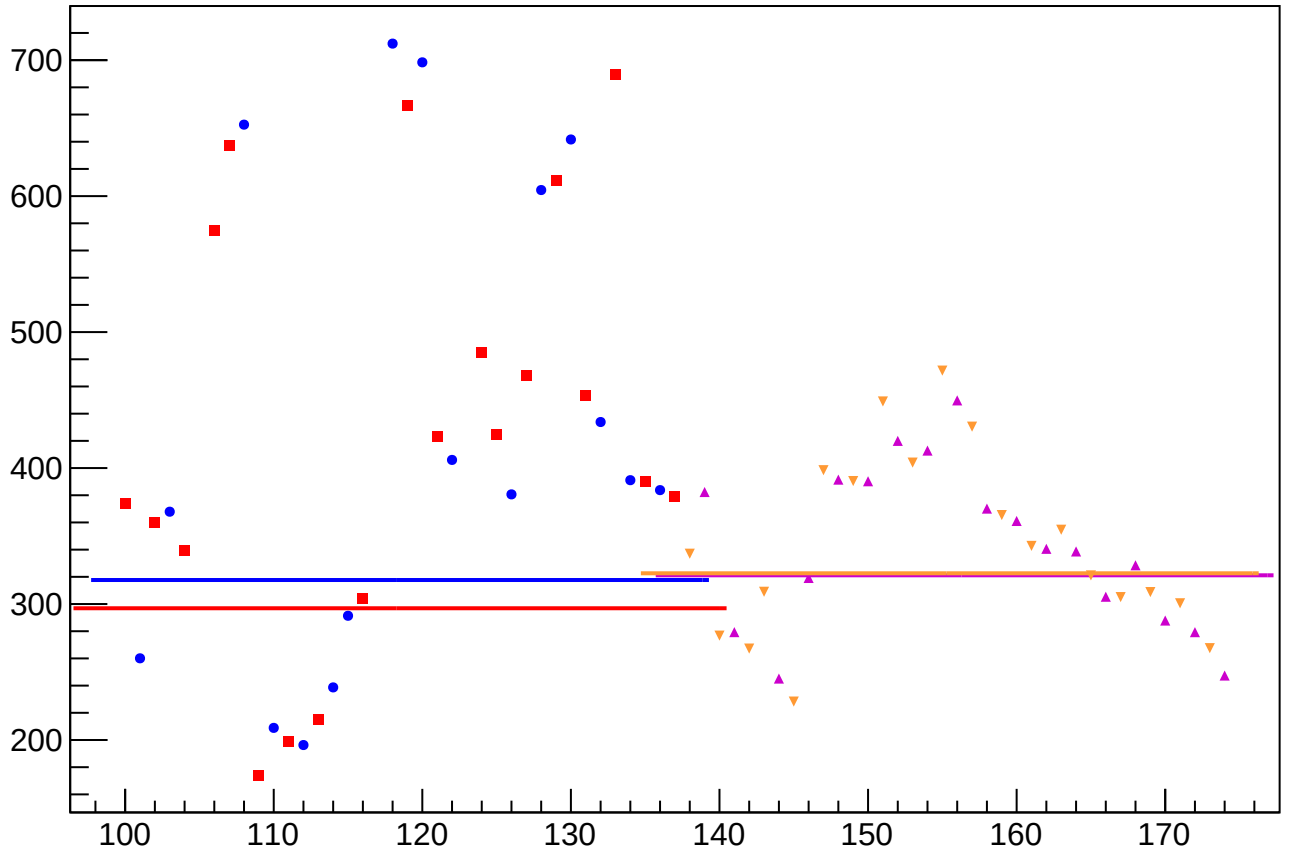
Left: -153.741+/-60.055 χ^2/NDF: 87.8/36

Right: 35.518+/-87.732 χ^2/NDF: 40.8/34

In: -5.378+/-70.801 χ^2/NDF:49.5/33

Out: -177.852+/-69.387 χ^2/NDF:79.3/37

All: -93.354+/-49.556 χ^2/NDF: 131.8/71



Right In: 317.664+/-0.091 χ^2/NDF: 2136192.8/15

Left Out: 322.607+/-0.060 χ^2/NDF:1063709.2/18

Right Out: 296.888+/-0.085 χ^2/NDF: 2541040.3/18

Left In: 321.130+/-0.060 χ^2/NDF:950432.4/17

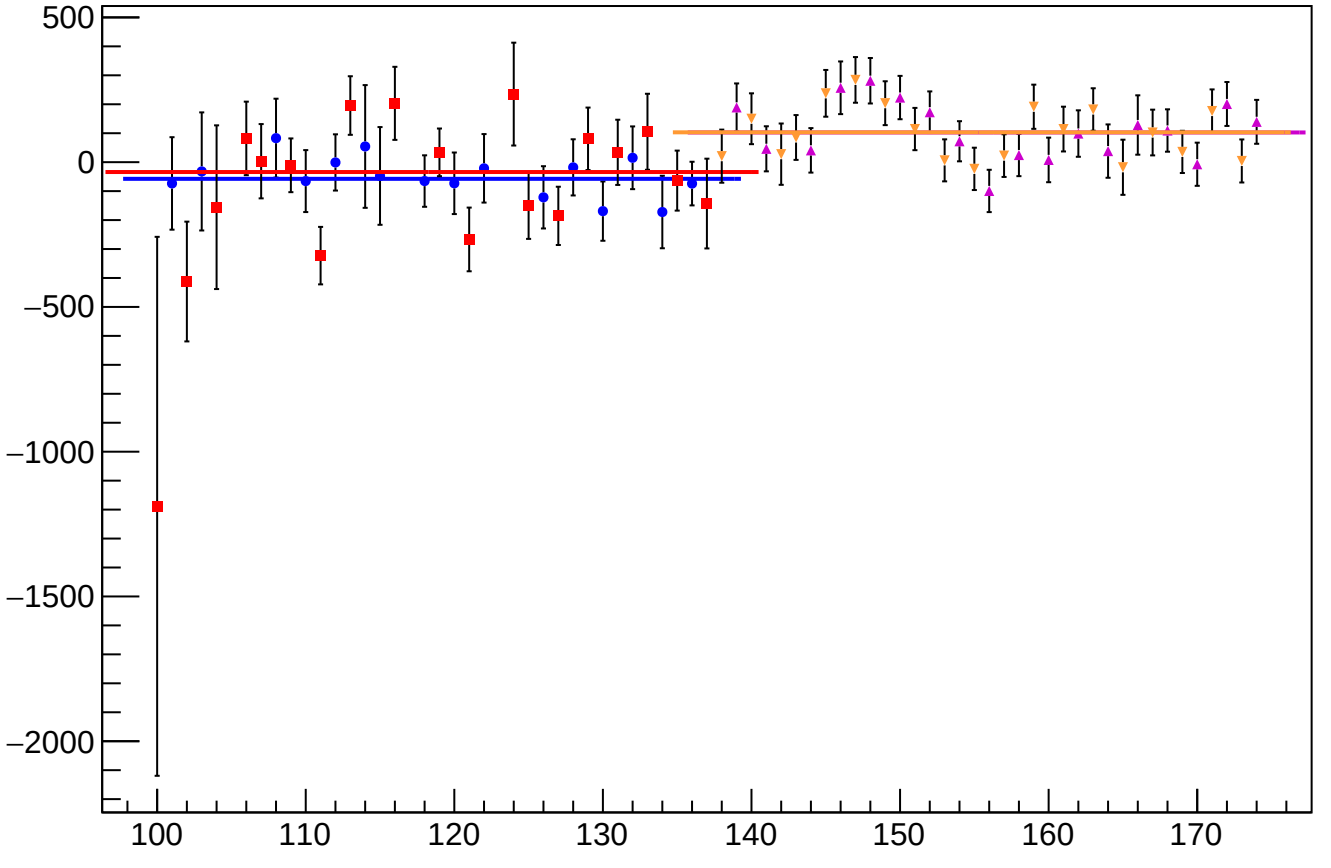
Left: 321.867+/-0.042 χ^2/NDF: 2014444.3/36

Right: 306.582+/-0.062 χ^2/NDF: 4705147.7/34

In: 320.077+/-0.050 χ^2/NDF:3087639.0/33

Out: 314.026+/-0.049 χ^2/NDF:3665842.5/37

All: 316.990+/-0.035 χ^2/NDF: 6760932.9/71



Right In: -57.532+/-28.087 χ^2/NDF: 4.9/15

Left Out: 103.094+/-18.000 χ^2/NDF:25.2/18

Right Out: -34.034+/-27.398 χ^2/NDF: 37.1/18

Left In: 102.610+/-18.350 χ^2/NDF:29.0/17

Left: 102.857+/-12.850 χ^2/NDF: 54.2/36

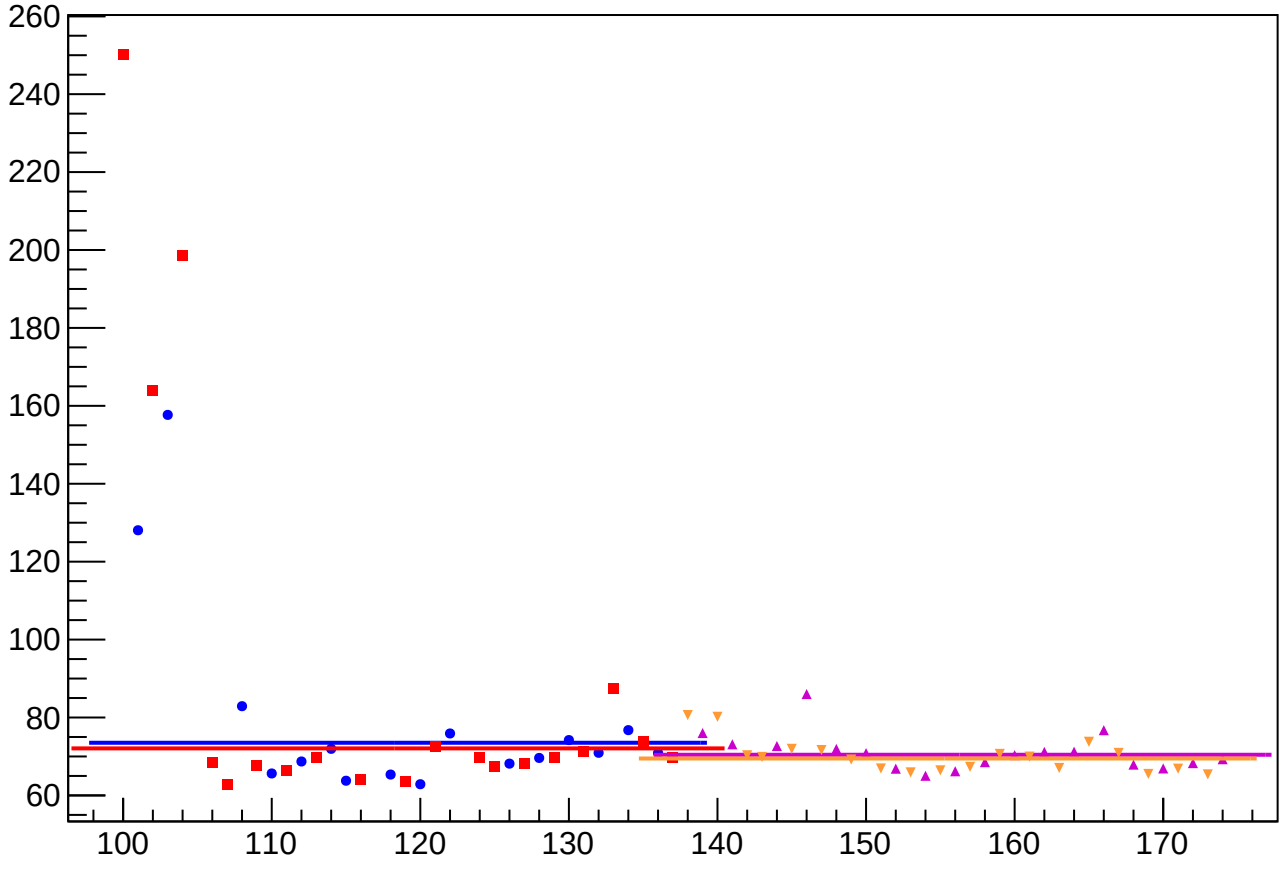
Right: -45.491+/-19.612 χ^2/NDF: 42.4/34

In: 54.704+/-15.362 χ^2/NDF:56.7/33

Out: 61.750+/-15.044 χ^2/NDF:79.8/37

All: 58.301+/-10.748 χ^2/NDF: 136.6/71

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 73.519+/-0.020 χ^2/NDF: 656849.2/15

Left Out: 69.480+/-0.013 χ^2/NDF:97167.5/18

Right Out: 72.074+/-0.019 χ^2/NDF: 958496.3/18

Left In: 70.438+/-0.013 χ^2/NDF:114585.1/17

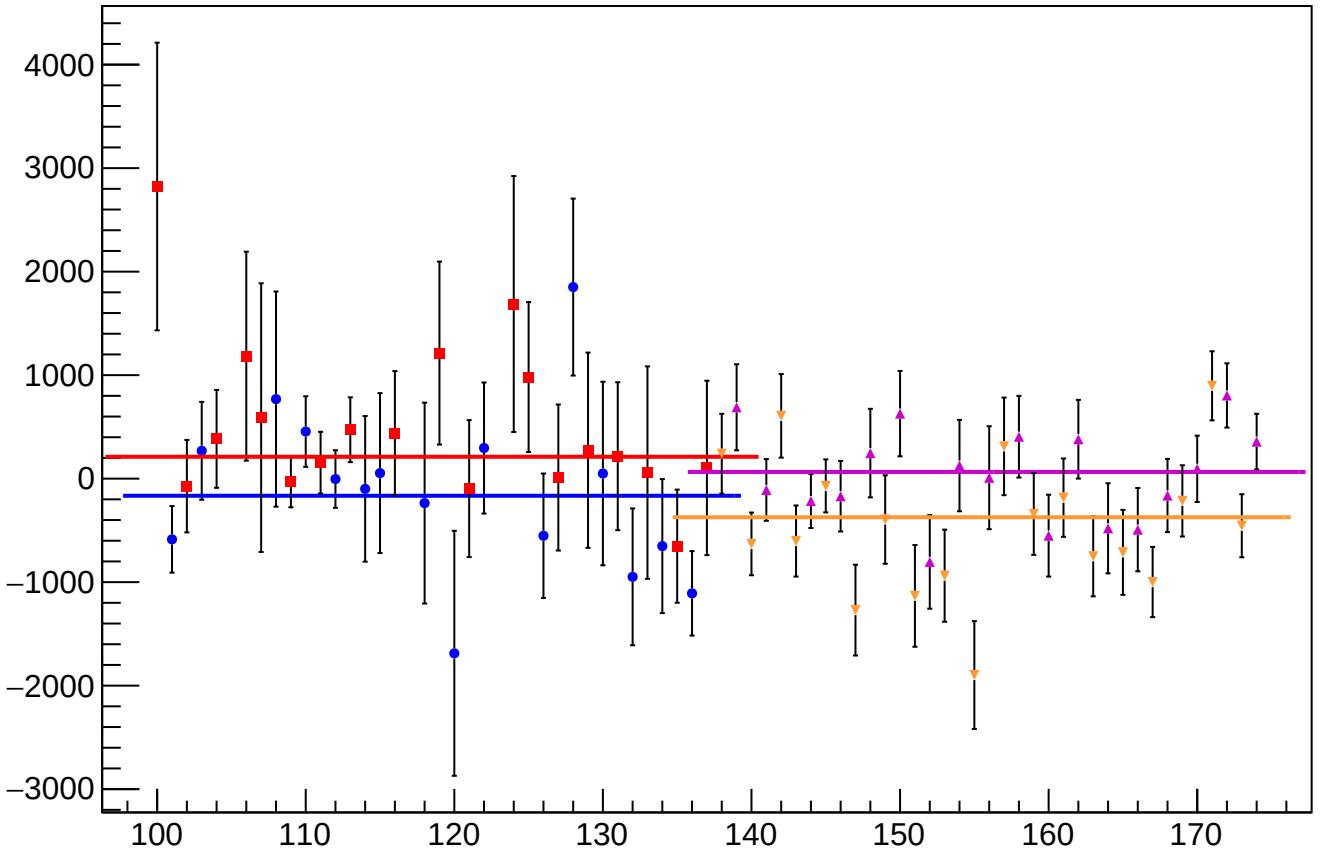
Left: 69.950+/-0.009 χ^2/NDF: 214527.0/36

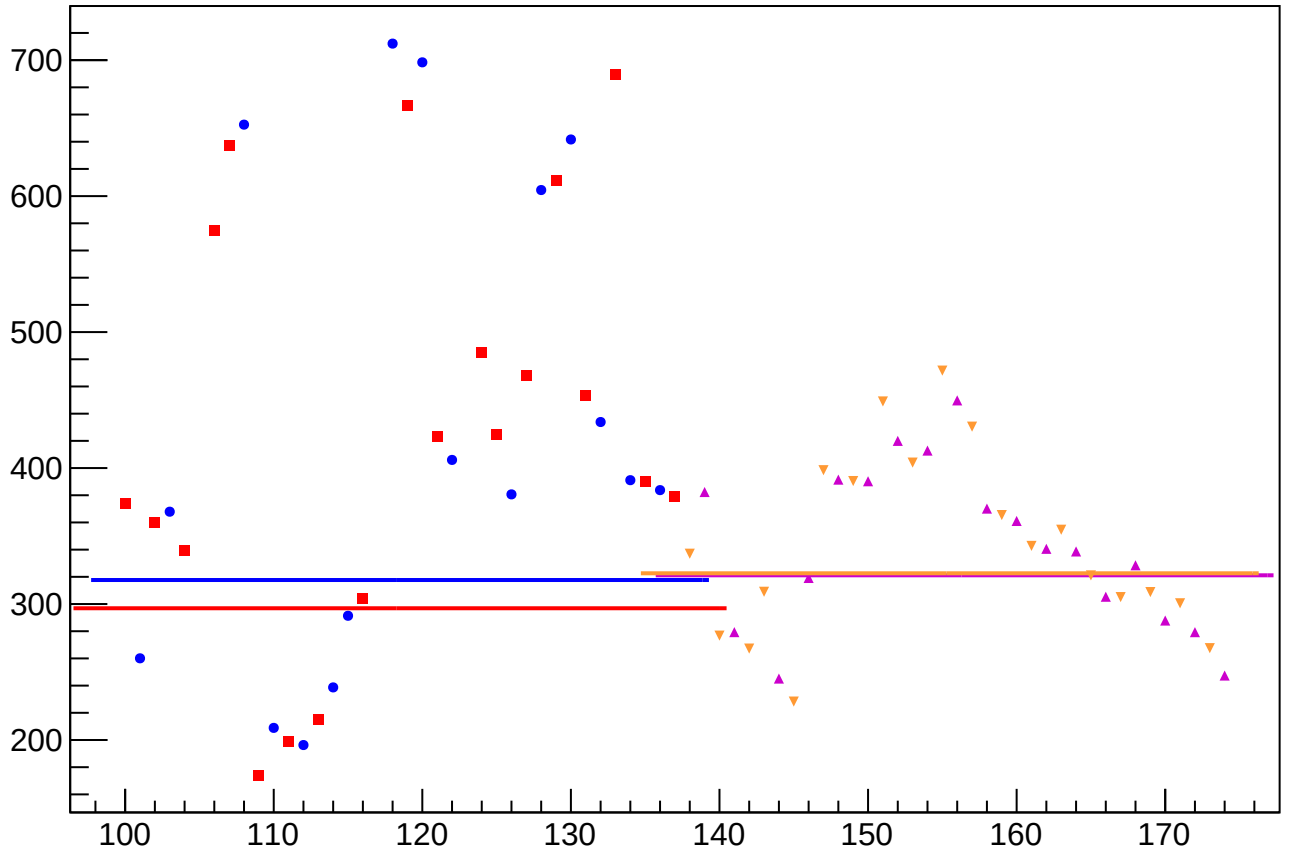
Right: 72.778+/-0.014 χ^2/NDF: 1618058.1/34

In: 71.359+/-0.011 χ^2/NDF:788305.4/33

Out: 70.262+/-0.011 χ^2/NDF:1068183.9/37

All: 70.799+/-0.008 χ^2/NDF: 1861696.7/71


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: -372.743+/-85.002 χ²/NDF:49.9/18
Right Out: 211.347+/-120.121 χ²/NDF: 13.6/18
Left In: 64.517+/-84.858 χ²/NDF:24.6/17
Left: -153.742+/-60.055 χ²/NDF: 87.8/36
Right: 35.517+/-87.731 χ²/NDF: 40.8/34
In: -5.379+/-70.801 χ²/NDF:49.5/33
Out: -177.851+/-69.387 χ²/NDF:79.3/37
All: -93.354+/-49.556 χ²/NDF: 131.8/71



Right In: 317.661+/-0.091 χ^2/NDF: 2136224.4/15

Left Out: 322.607+/-0.060 χ^2/NDF:1063715.2/18

Right Out: 296.887+/-0.085 χ^2/NDF: 2541051.2/18

Left In: 321.130+/-0.060 χ^2/NDF:950430.5/17

Left: 321.867+/-0.042 χ^2/NDF: 2014448.2/36

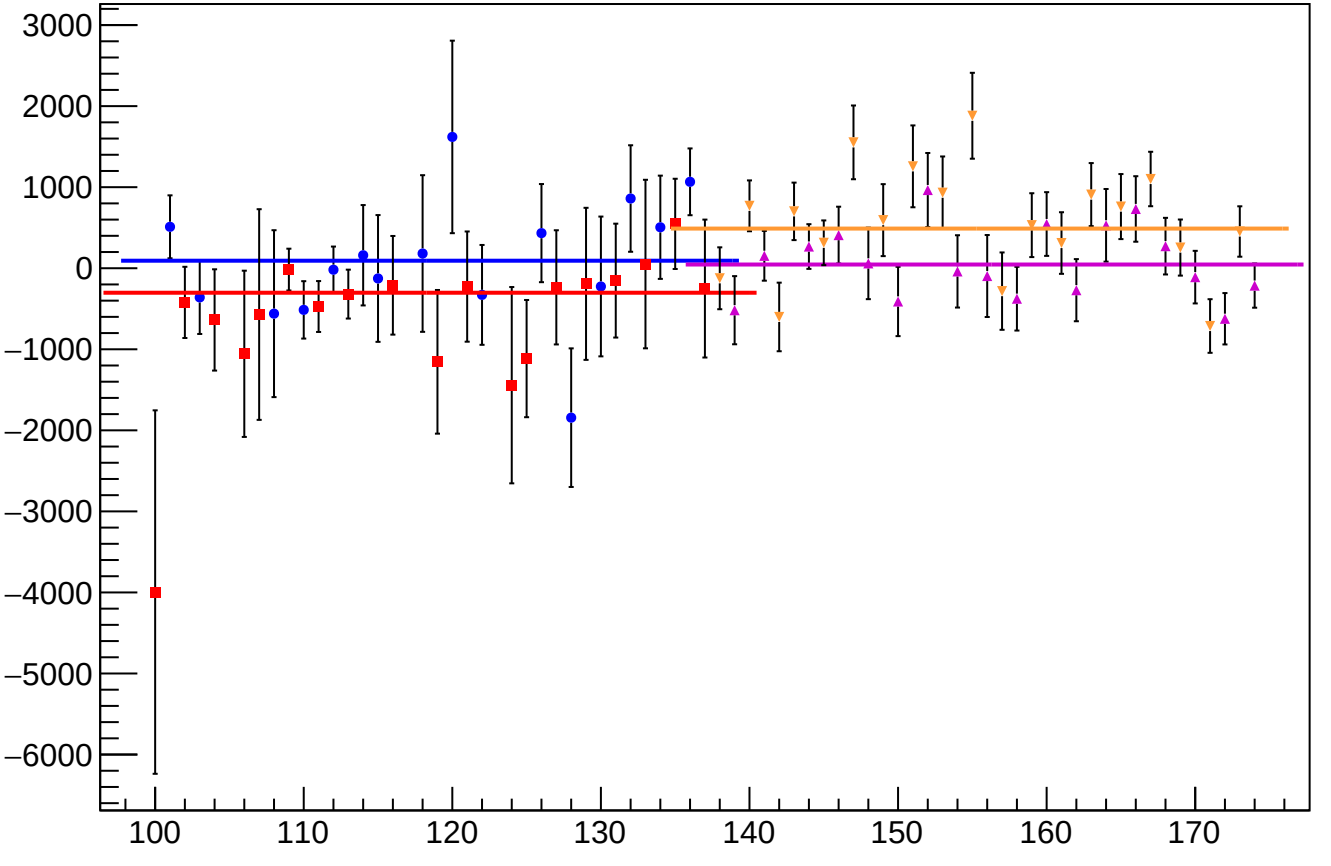
Right: 306.580+/-0.062 χ^2/NDF: 4705187.9/34

In: 320.076+/-0.050 χ^2/NDF:3087670.2/33

Out: 314.025+/-0.049 χ^2/NDF:3665866.4/37

All: 316.989+/-0.035 χ^2/NDF: 6760988.1/71

asym_sam7_mean vs Slug, Sign Corrected



Right In: 92.803+/-131.927 χ^2/NDF: 20.8/15

Left Out: 489.298+/-86.593 χ^2/NDF:48.0/18

Right Out: -302.273+/-123.916 χ^2/NDF: 10.8/18

Left In: 45.812+/-86.440 χ^2/NDF:22.4/17

Left: 267.163+/-61.176 χ^2/NDF: 83.5/36

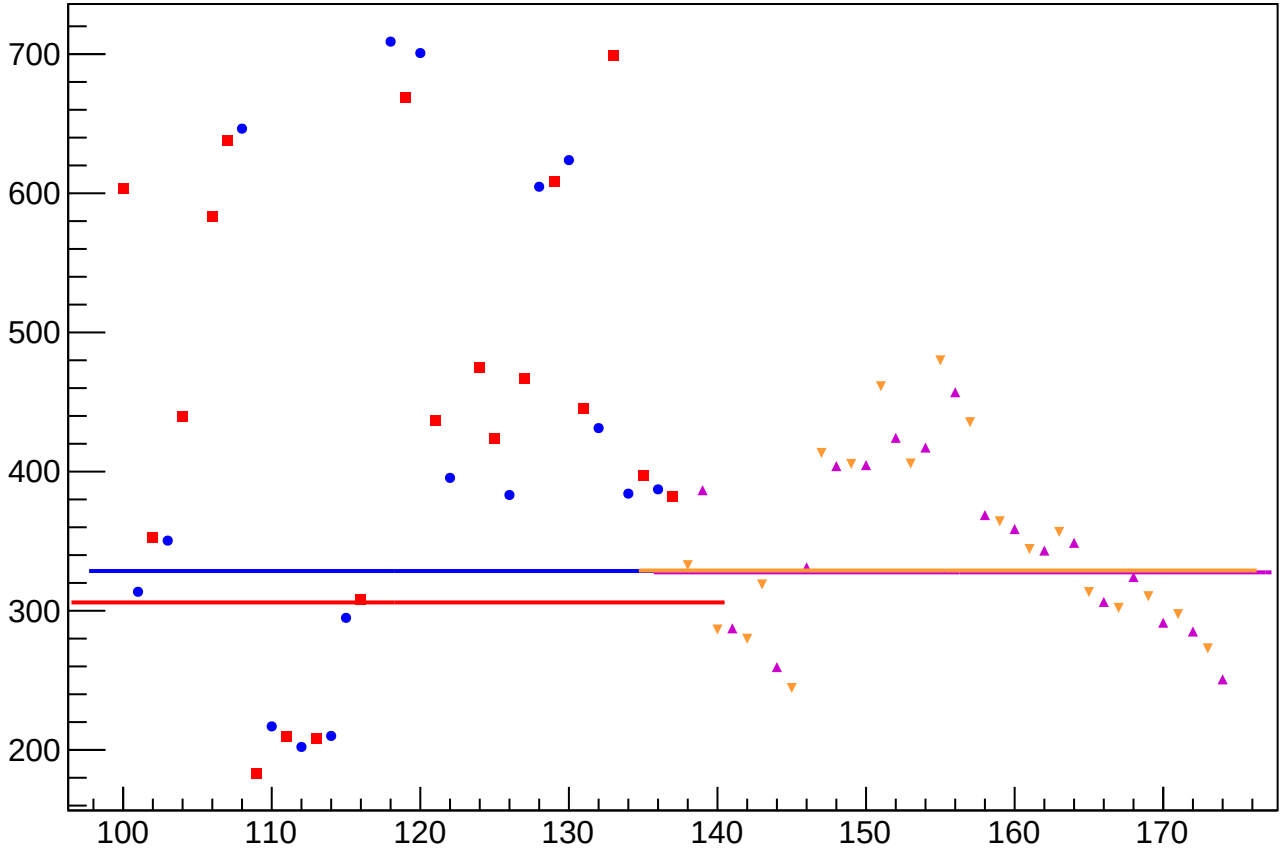
Right: -117.093+/-90.322 χ^2/NDF: 36.4/34

In: 59.926+/-72.302 χ^2/NDF:43.4/33

Out: 229.581+/-70.980 χ^2/NDF:86.2/37

All: 146.320+/-50.651 χ^2/NDF: 132.4/71

asym_sam7_rms vs Slug, Sign Corrected



Right In: 328.567+/-0.093 χ^2/NDF: 1958873.4/15

Left Out: 328.941+/-0.061 χ^2/NDF:973501.6/18

Right Out: 305.988+/-0.088 χ^2/NDF: 2527463.5/18

Left In: 327.587+/-0.061 χ^2/NDF:889799.3/17

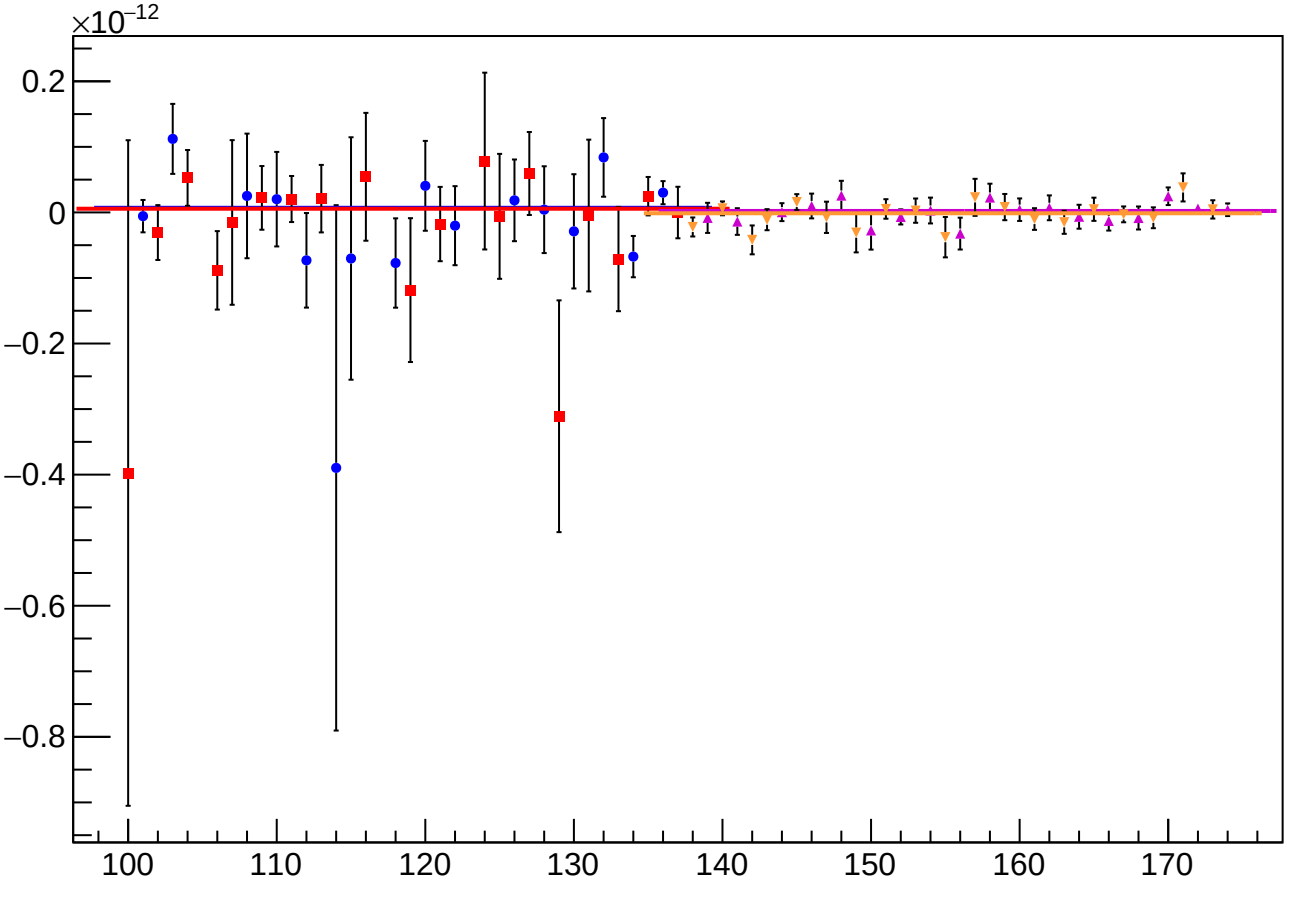
Left: 328.263+/-0.043 χ^2/NDF: 1863545.7/36

Right: 316.571+/-0.064 χ^2/NDF: 4517458.9/34

In: 327.881+/-0.051 χ^2/NDF:2848749.7/33

Out: 321.410+/-0.050 χ^2/NDF:3547070.2/37

All: 324.586+/-0.036 χ^2/NDF: 6403978.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 17.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:16.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.6/17

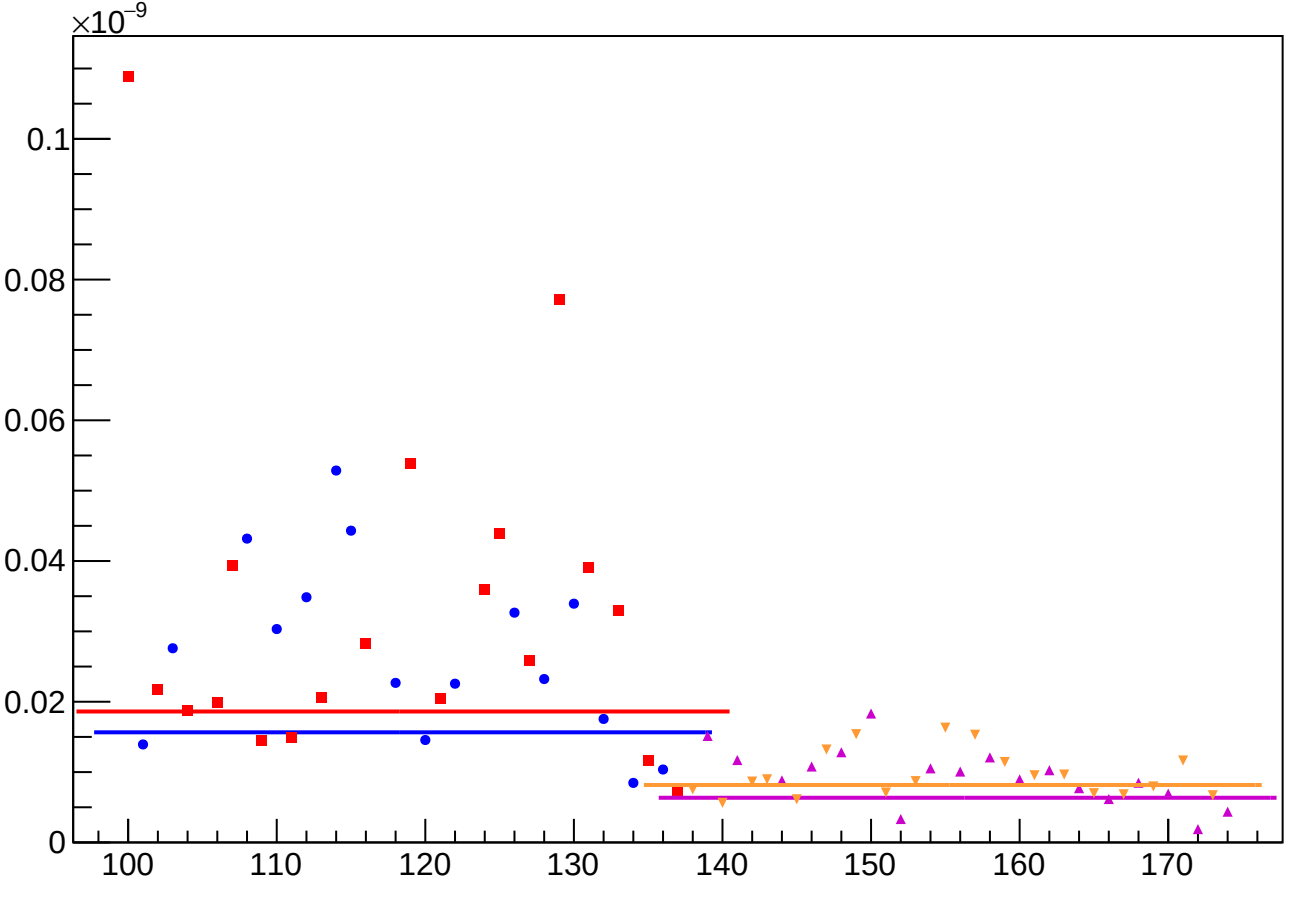
Left: 0.000+/-0.000 χ^2/NDF: 28.9/36

Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: 0.000+/-0.000 χ^2/NDF:29.5/33

Out: -0.000+/-0.000 χ^2/NDF:29.9/37

All: 0.000+/-0.000 χ^2/NDF: 59.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1164380.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:854314.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1228542.0/18

Left In: 0.000+/-0.000 χ^2/NDF:2694928.9/17

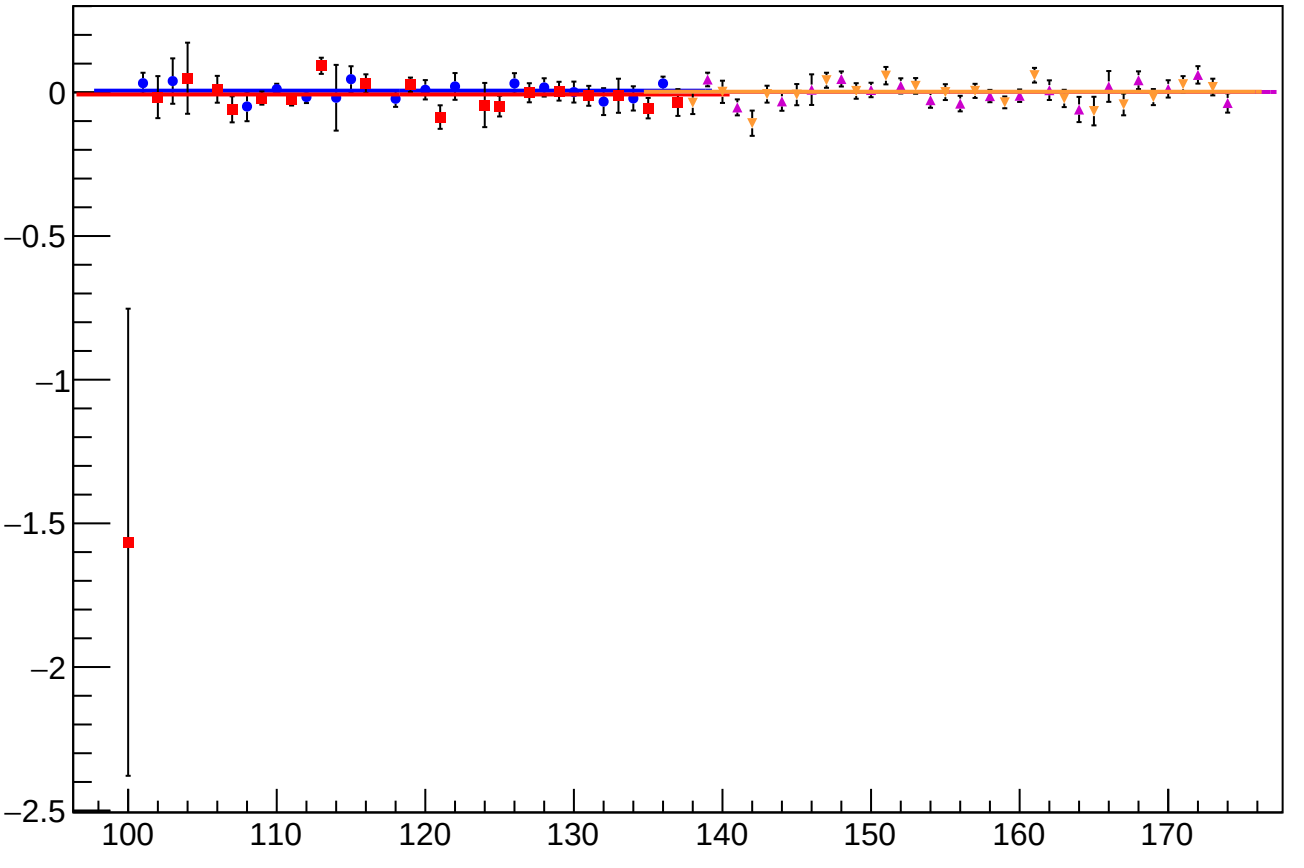
Left: 0.000+/-0.000 χ^2/NDF: 3803422.6/36

Right: 0.000+/-0.000 χ^2/NDF: 2454460.5/34

In: 0.000+/-0.000 χ^2/NDF:5174433.0/33

Out: 0.000+/-0.000 χ^2/NDF:3301298.3/37

All: 0.000+/-0.000 χ^2/NDF: 8756366.2/71



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

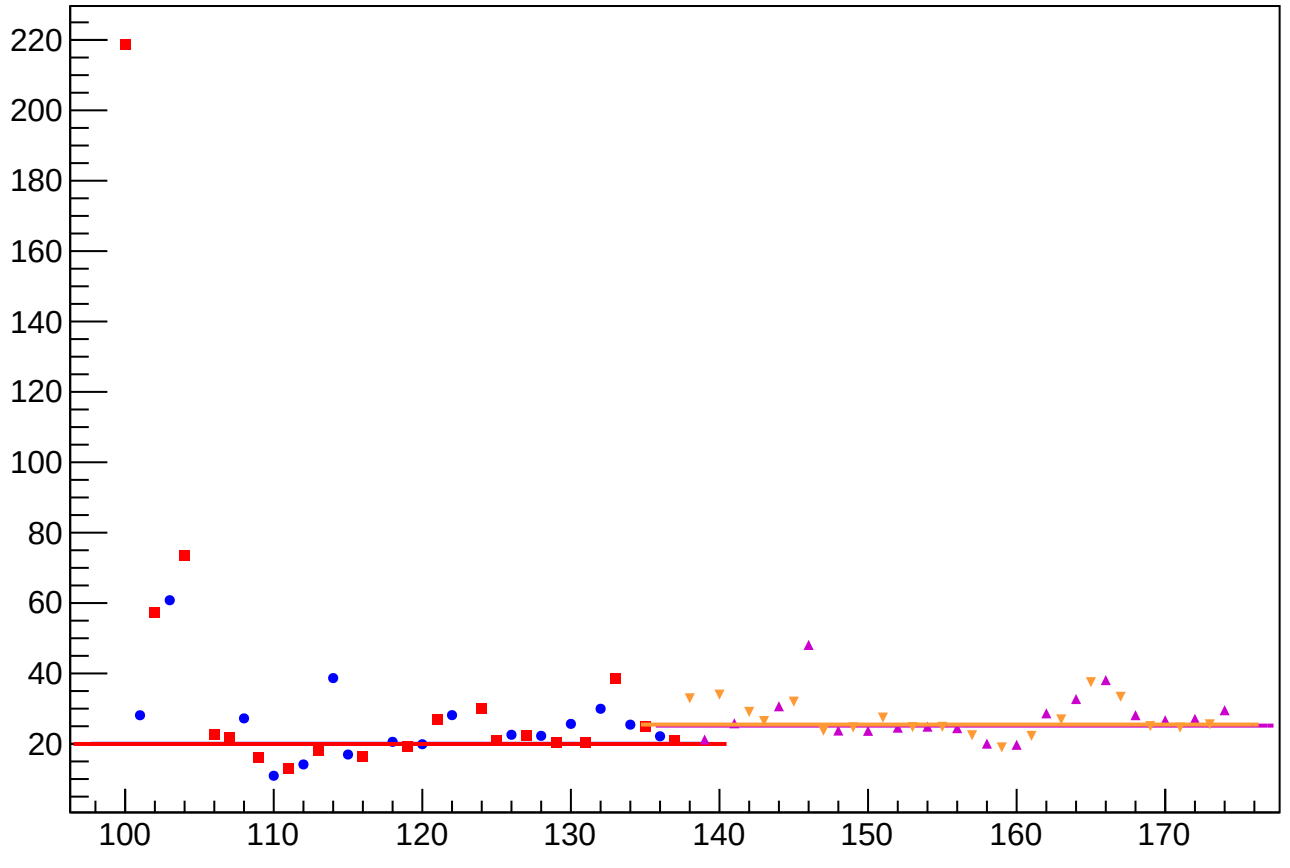
Left: 0.002+/-0.005 χ^2/NDF: 52.3/36

Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 91.4/71



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.478+/-0.005 χ^2/NDF:739904.2/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

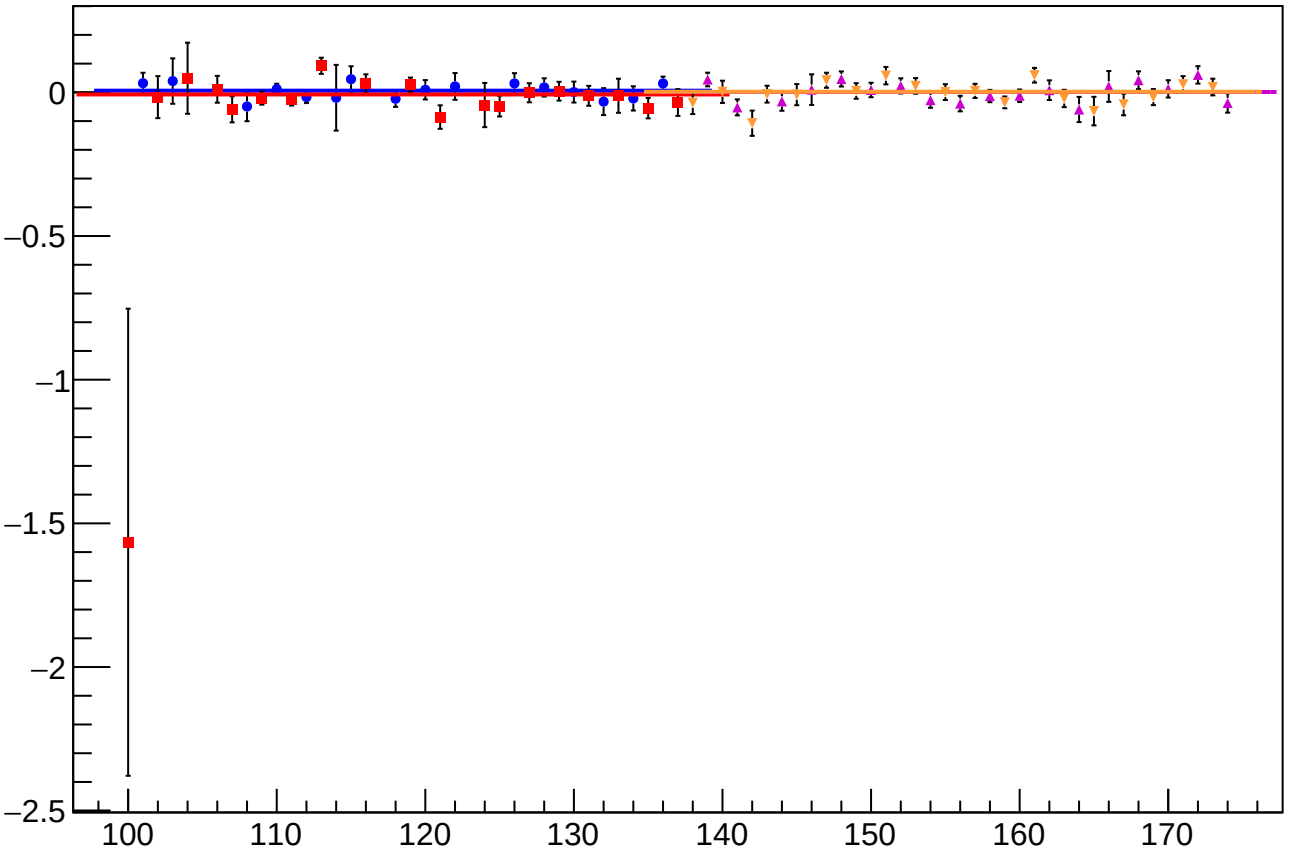
Left: 25.328+/-0.003 χ^2/NDF: 1740897.2/36

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.062+/-0.004 χ^2/NDF:3115738.9/33

Out: 23.203+/-0.004 χ^2/NDF:3002237.9/37

All: 23.133+/-0.003 χ^2/NDF: 6118708.3/71



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

Left: 0.002+/-0.005 χ^2/NDF: 52.3/36

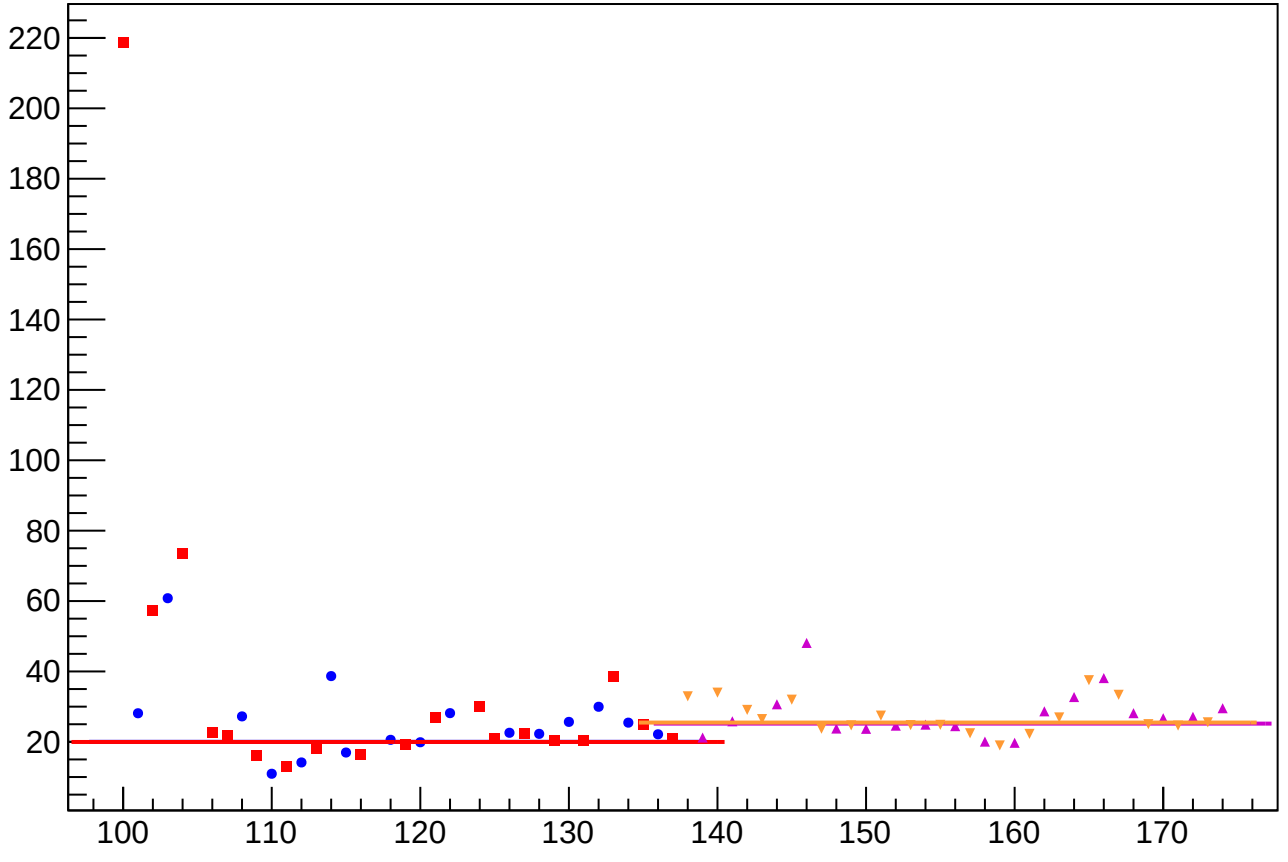
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 91.4/71

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641371.9/15

Left Out: 25.478+/-0.005 χ^2/NDF:739904.2/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716895.2/18

Left In: 25.178+/-0.005 χ^2/NDF:999041.8/17

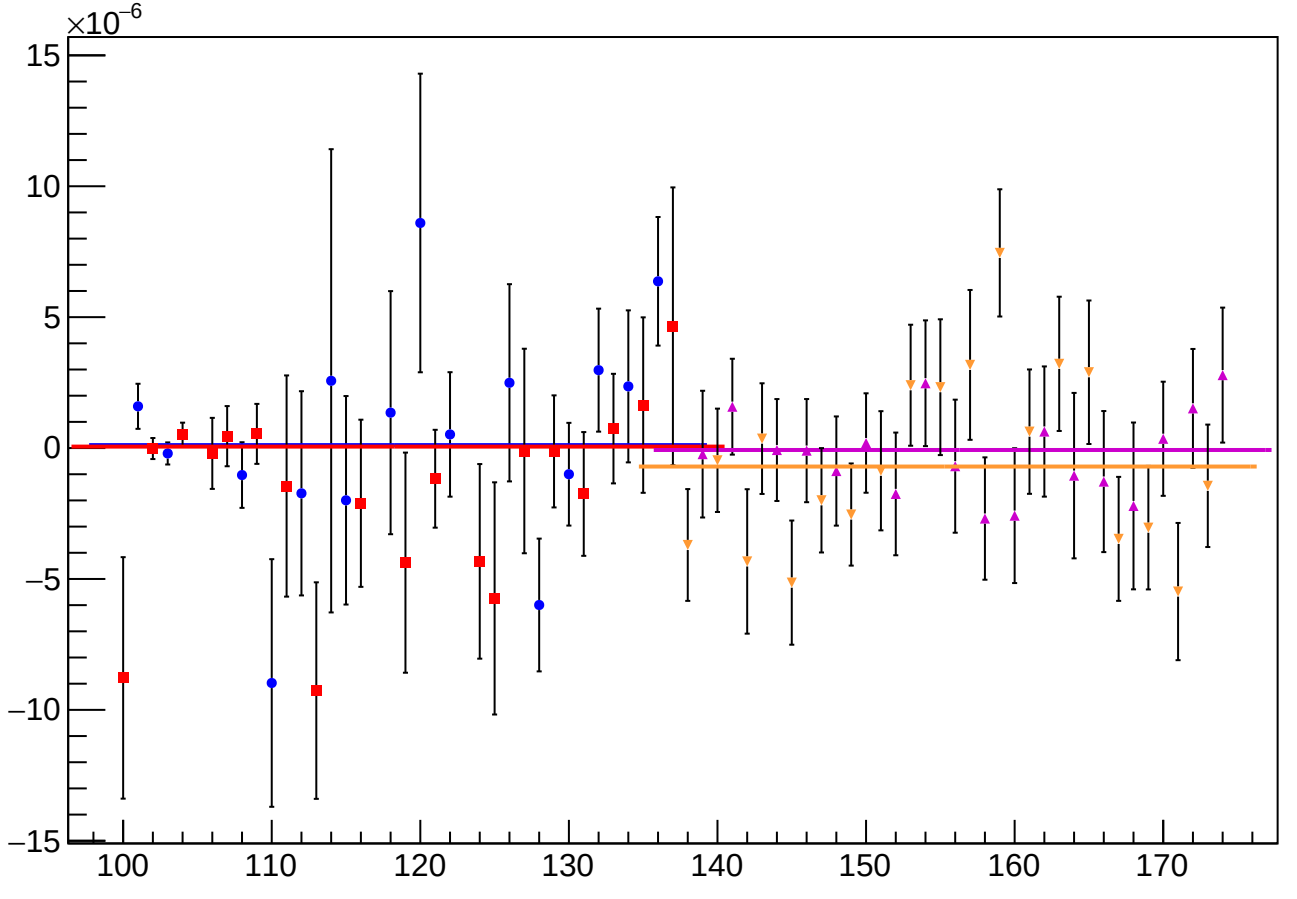
Left: 25.328+/-0.003 χ^2/NDF: 1740897.2/36

Right: 19.981+/-0.004 χ^2/NDF: 3358287.6/34

In: 23.062+/-0.004 χ^2/NDF:3115738.9/33

Out: 23.203+/-0.004 χ^2/NDF:3002237.9/37

All: 23.133+/-0.003 χ^2/NDF: 6118708.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:35.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.1/18

Left In: -0.000+/-0.000 χ^2/NDF:7.5/17

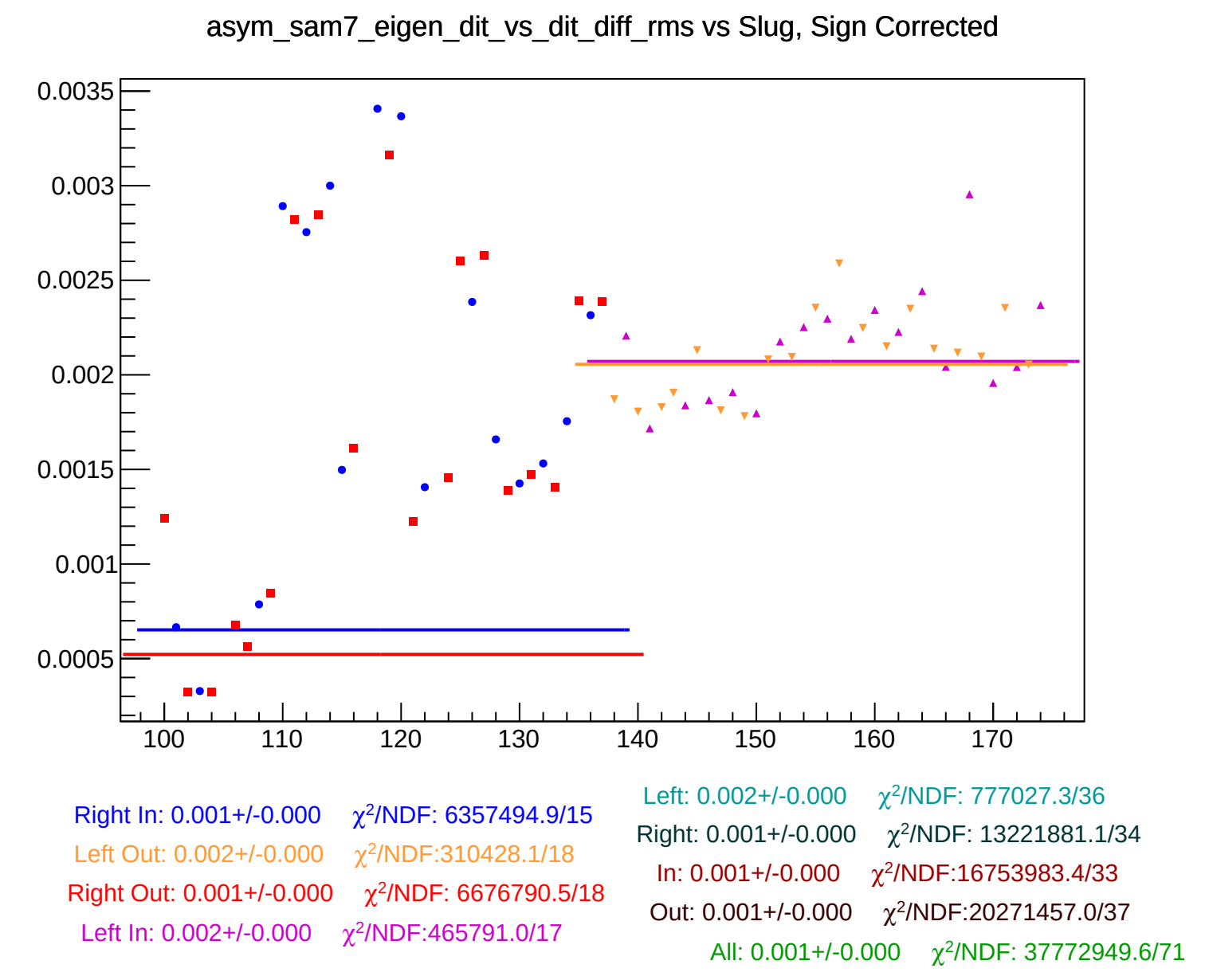
Left: -0.000+/-0.000 χ^2/NDF: 43.4/36

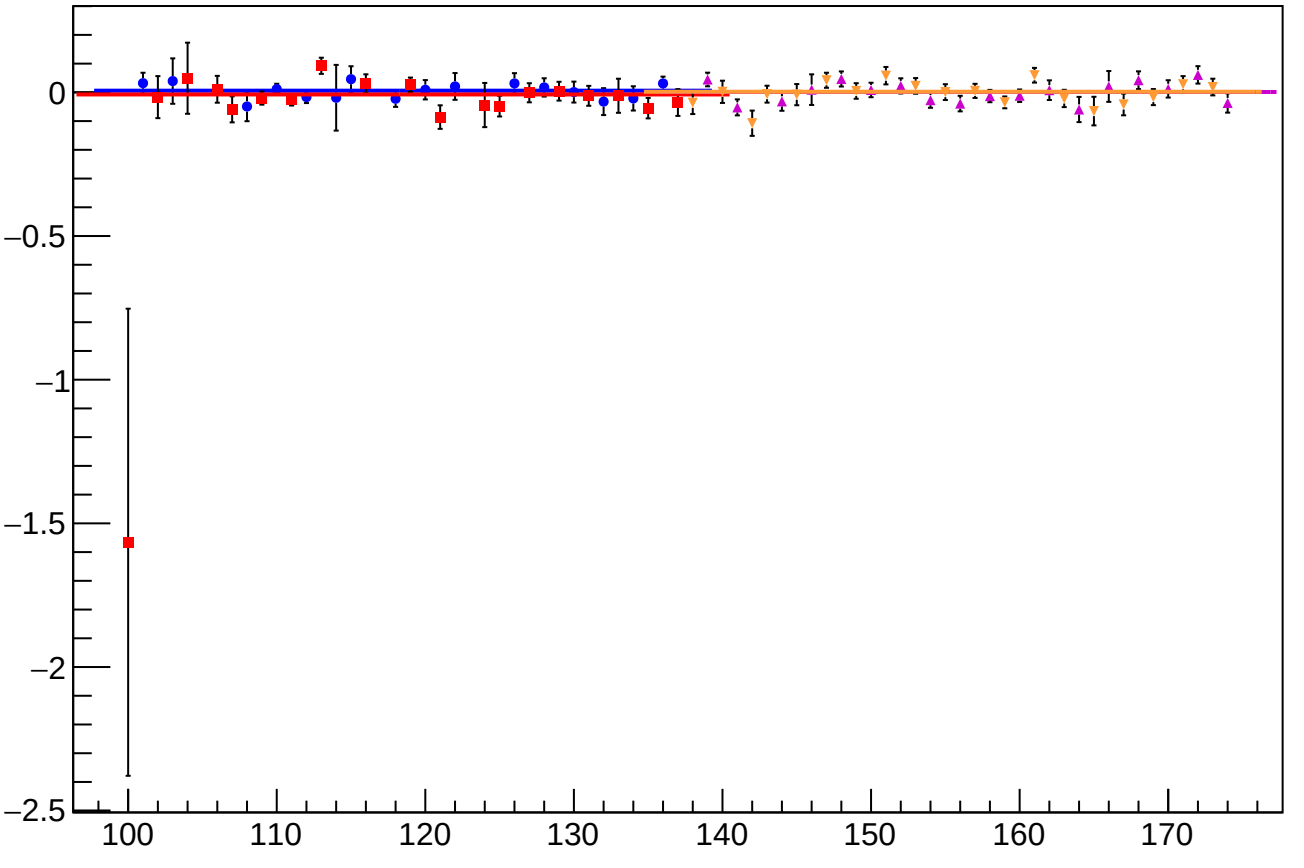
Right: 0.000+/-0.000 χ^2/NDF: 43.2/34

In: 0.000+/-0.000 χ^2/NDF:33.6/33

Out: -0.000+/-0.000 χ^2/NDF:53.9/37

All: -0.000+/-0.000 χ^2/NDF: 87.7/71


asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 6357494.9/15
Left Out: 0.002+/-0.000 χ²/NDF:310428.1/18
Right Out: 0.001+/-0.000 χ²/NDF: 6676790.5/18
Left In: 0.002+/-0.000 χ²/NDF:465791.0/17
Left: 0.002+/-0.000 χ²/NDF: 777027.3/36
Right: 0.001+/-0.000 χ²/NDF: 13221881.1/34
In: 0.001+/-0.000 χ²/NDF:16753983.4/33
Out: 0.001+/-0.000 χ²/NDF:20271457.0/37
All: 0.001+/-0.000 χ²/NDF: 37772949.6/71



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

Left: 0.002+/-0.005 χ^2/NDF: 52.3/36

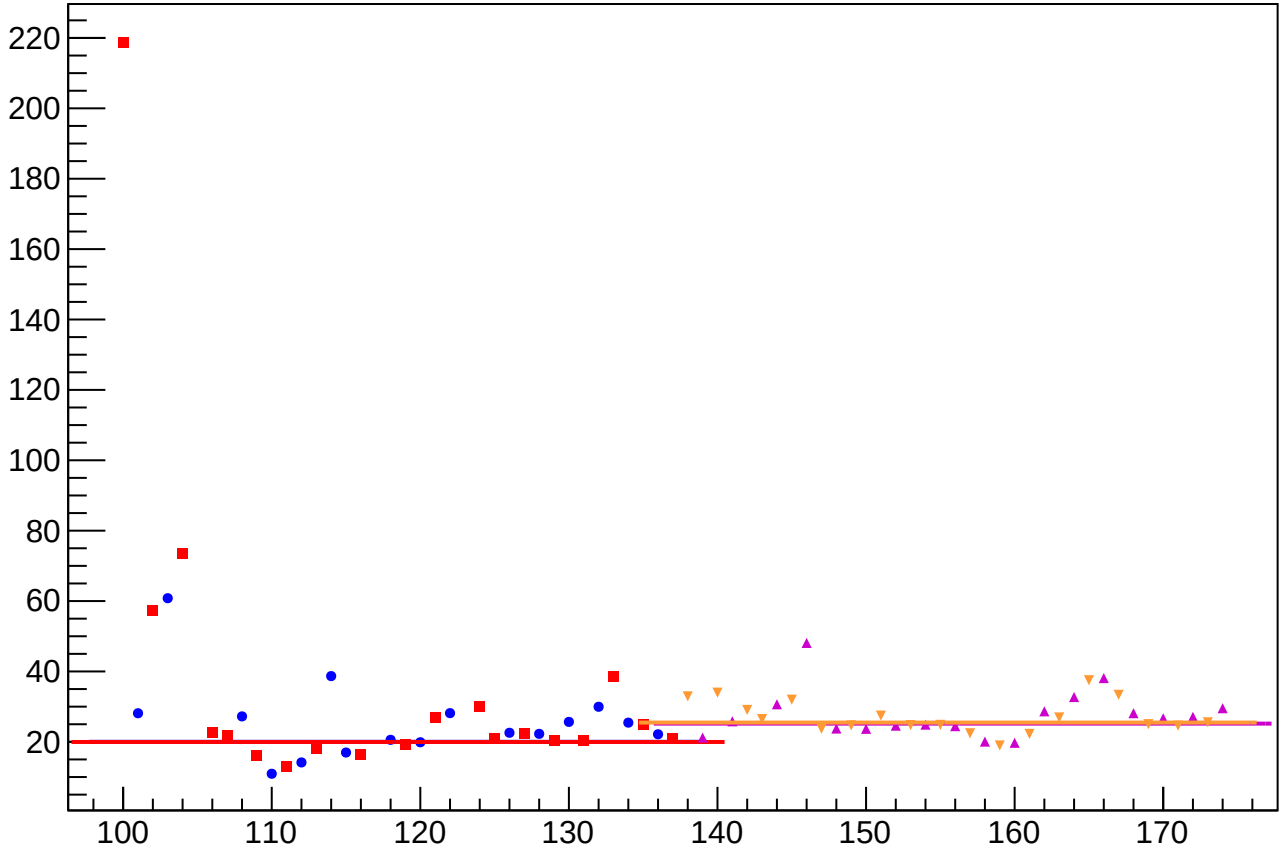
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 91.4/71

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.478+/-0.005 χ^2/NDF:739946.7/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

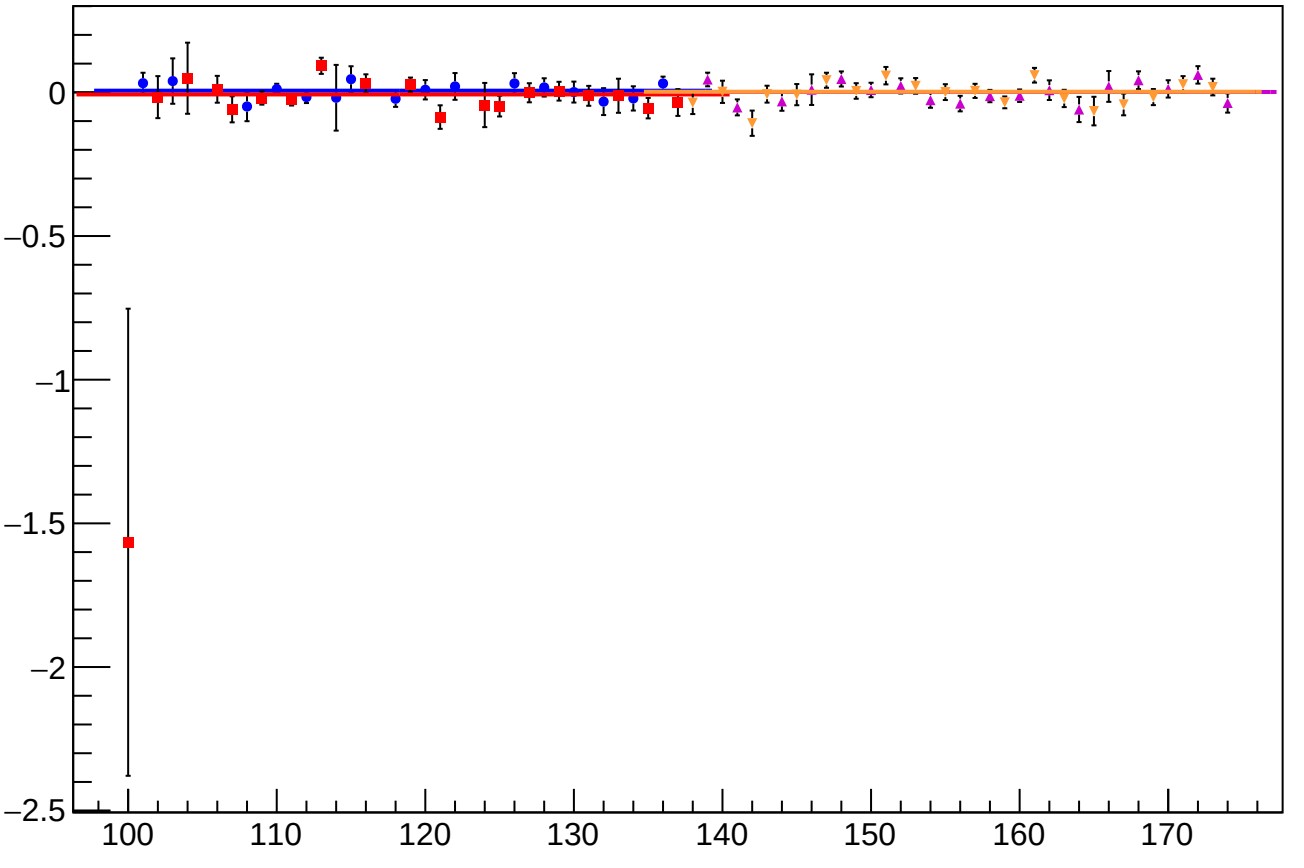
Left: 25.328+/-0.003 χ^2/NDF: 1740999.5/36

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.063+/-0.004 χ^2/NDF:3115524.4/33

Out: 23.203+/-0.004 χ^2/NDF:3002186.6/37

All: 23.133+/-0.003 χ^2/NDF: 6118440.7/71



Right In: 0.006+/-0.008 χ^2/NDF: 7.9/15

Left Out: 0.002+/-0.007 χ^2/NDF:27.3/18

Right Out: -0.007+/-0.008 χ^2/NDF: 29.8/18

Left In: 0.001+/-0.007 χ^2/NDF:25.0/17

Left: 0.002+/-0.005 χ^2/NDF: 52.3/36

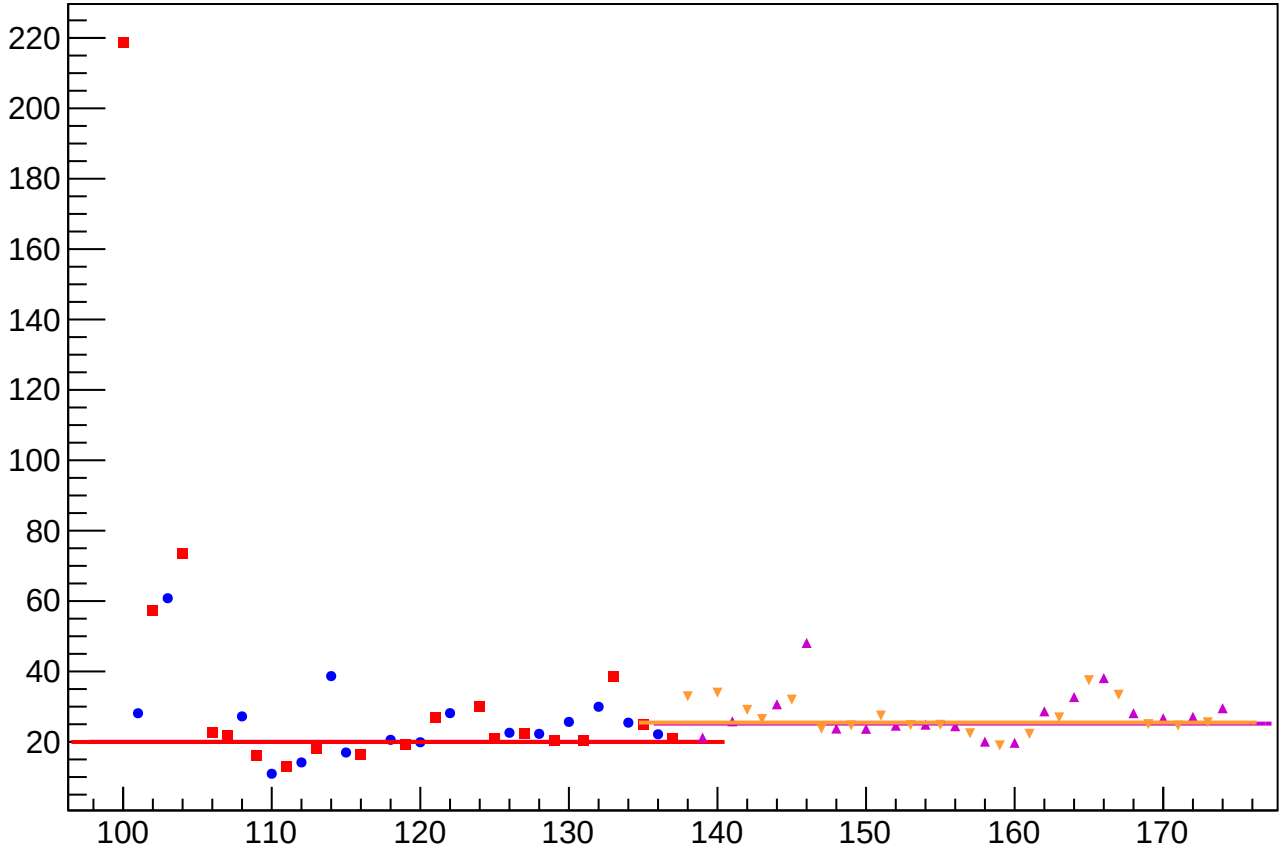
Right: -0.001+/-0.006 χ^2/NDF: 39.0/34

In: 0.003+/-0.005 χ^2/NDF:33.0/33

Out: -0.002+/-0.005 χ^2/NDF:57.9/37

All: 0.001+/-0.004 χ^2/NDF: 91.4/71

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.000+/-0.006 χ^2/NDF: 1641197.3/15

Left Out: 25.478+/-0.005 χ^2/NDF:739946.7/18

Right Out: 19.963+/-0.006 χ^2/NDF: 1716830.0/18

Left In: 25.178+/-0.005 χ^2/NDF:999101.3/17

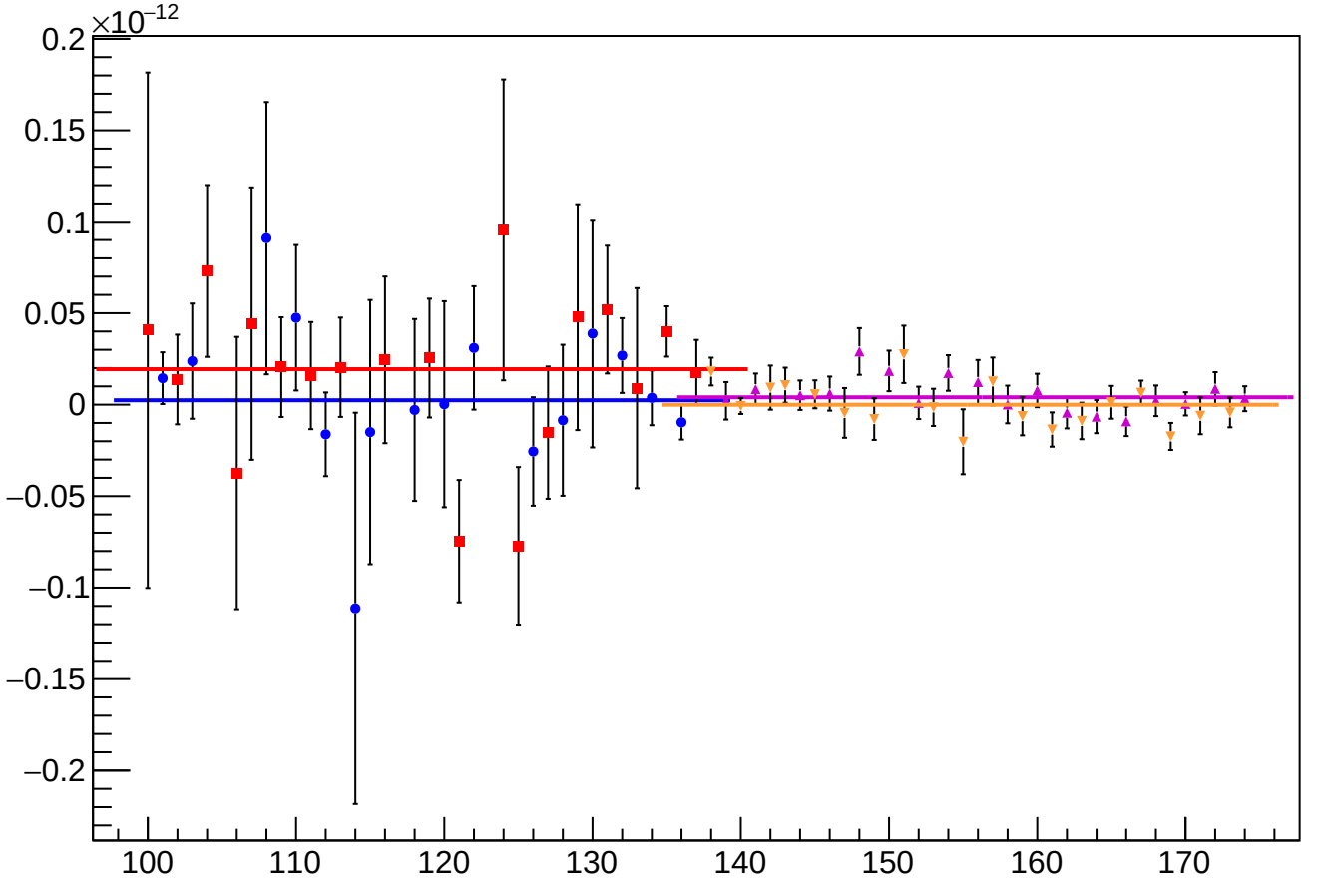
Left: 25.328+/-0.003 χ^2/NDF: 1740999.5/36

Right: 19.981+/-0.004 χ^2/NDF: 3358048.3/34

In: 23.063+/-0.004 χ^2/NDF:3115524.4/33

Out: 23.203+/-0.004 χ^2/NDF:3002186.6/37

All: 23.133+/-0.003 χ^2/NDF: 6118440.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 10.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:14.3/17

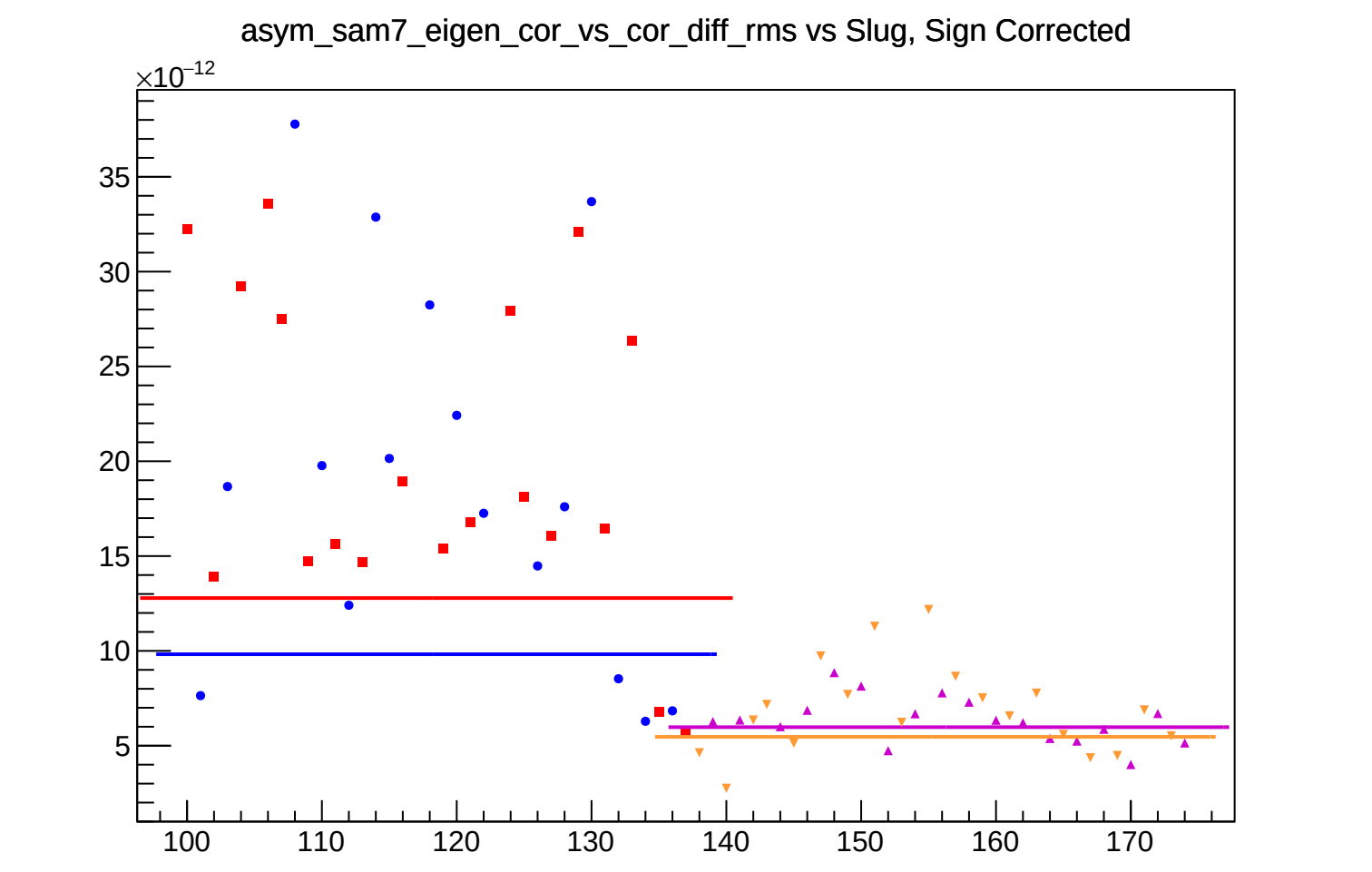
Left: 0.000+/-0.000 χ^2/NDF: 40.7/36

Right: 0.000+/-0.000 χ^2/NDF: 34.6/34

In: 0.000+/-0.000 χ^2/NDF:25.2/33

Out: 0.000+/-0.000 χ^2/NDF:51.7/37

All: 0.000+/-0.000 χ^2/NDF: 77.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 1977074.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2191361.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1798852.4/18

Left In: 0.000+/-0.000 χ^2/NDF:593870.7/17

Left: 0.000+/-0.000 χ^2/NDF: 2847616.1/36

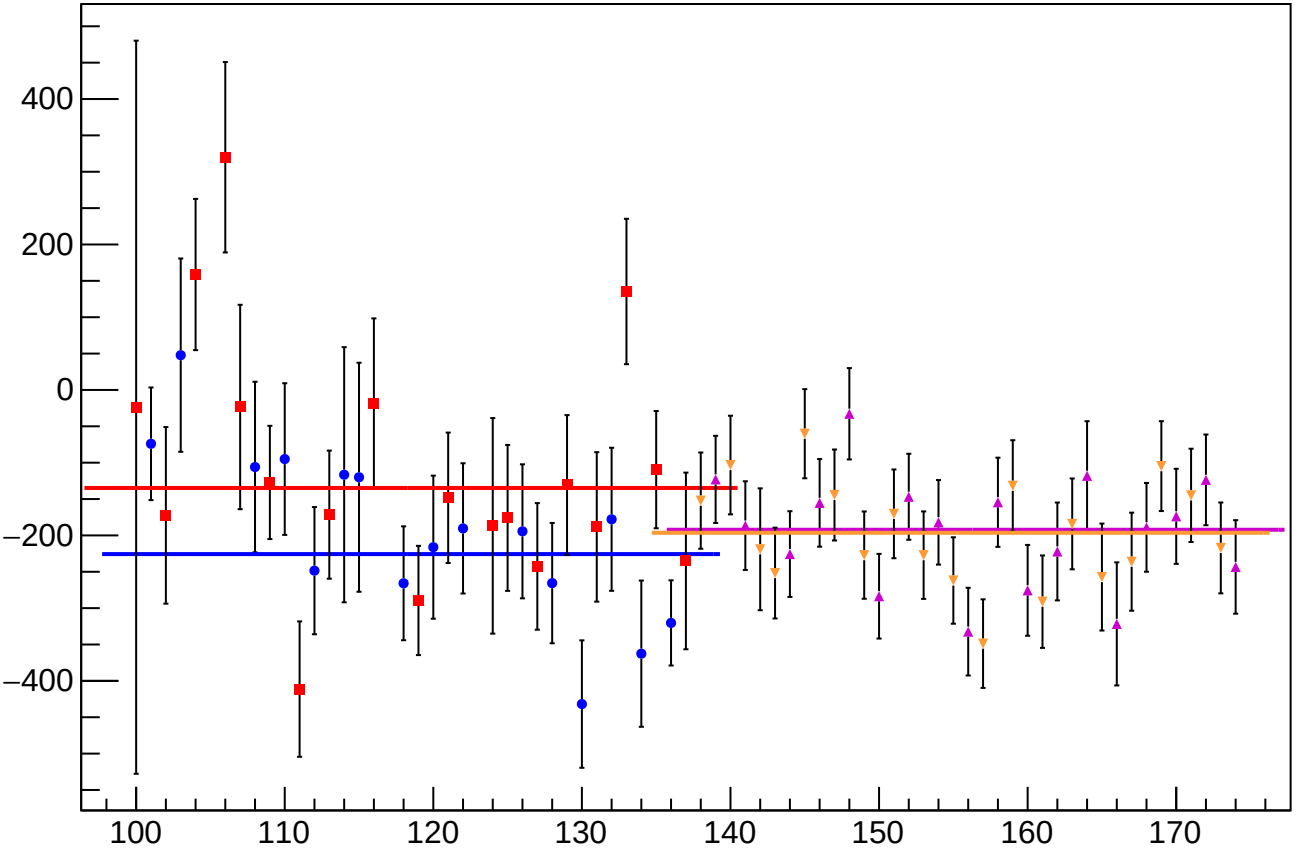
Right: 0.000+/-0.000 χ^2/NDF: 3988919.3/34

In: 0.000+/-0.000 χ^2/NDF:3369999.1/33

Out: 0.000+/-0.000 χ^2/NDF:5980744.1/37

All: 0.000+/-0.000 χ^2/NDF: 9397244.6/71

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -196.374+/-14.636 χ^2/NDF:24.3/18

Right Out: -134.762+/-23.192 χ^2/NDF: 45.3/18

Left In: -192.221+/-14.777 χ^2/NDF:24.6/17

Left: -194.318+/-10.399 χ^2/NDF: 48.9/36

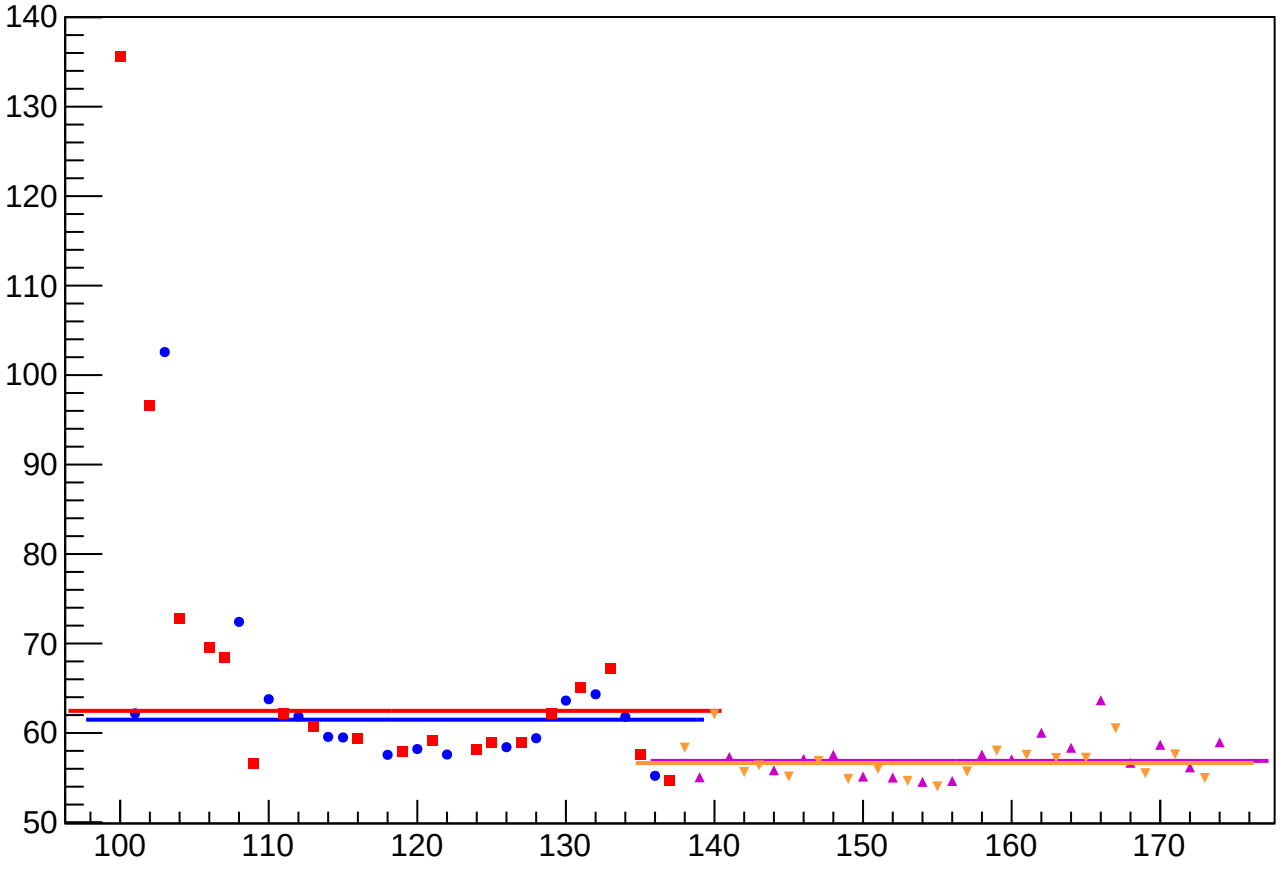
Right: -180.371+/-16.373 χ^2/NDF: 75.6/34

In: -201.930+/-12.451 χ^2/NDF:48.7/33

Out: -178.824+/-12.378 χ^2/NDF:74.6/37

All: -190.309+/-8.778 χ^2/NDF: 125.0/71

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250669.2/15

Left Out: 56.641+/-0.010 χ^2/NDF:35228.6/18

Right Out: 62.476+/-0.016 χ^2/NDF: 281148.3/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

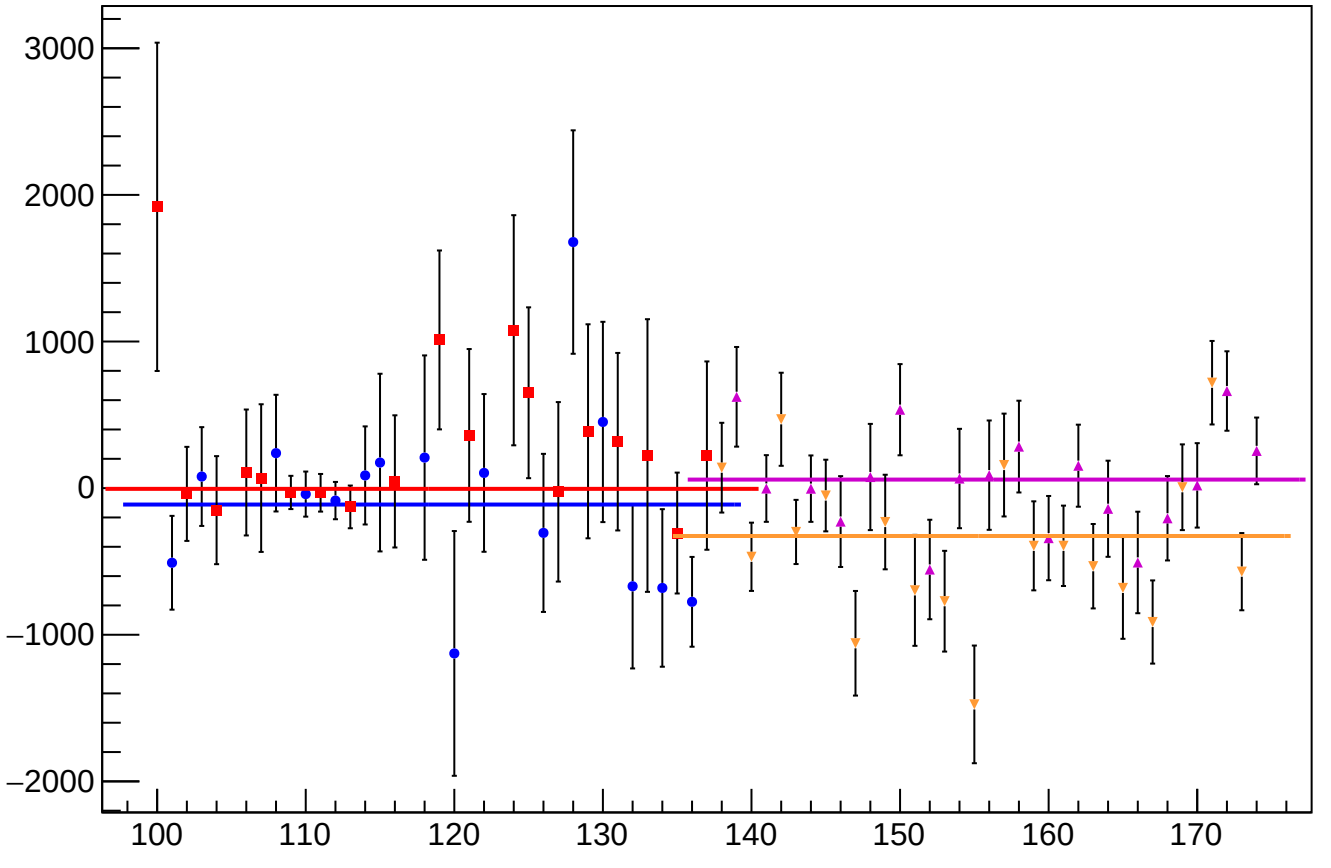
Left: 56.761+/-0.007 χ^2/NDF: 70319.4/36

Right: 61.979+/-0.012 χ^2/NDF: 533645.0/34

In: 58.218+/-0.009 χ^2/NDF:341784.1/33

Out: 58.303+/-0.009 χ^2/NDF:406916.9/37

All: 58.261+/-0.006 χ^2/NDF: 748747.9/71



Right In: -111.885+/-76.212 χ^2/NDF: 18.5/15

Left Out: -326.395+/-67.520 χ^2/NDF:48.9/18

Right Out: -4.893+/-63.933 χ^2/NDF: 11.6/18

Left In: 58.321+/-68.956 χ^2/NDF:21.6/17

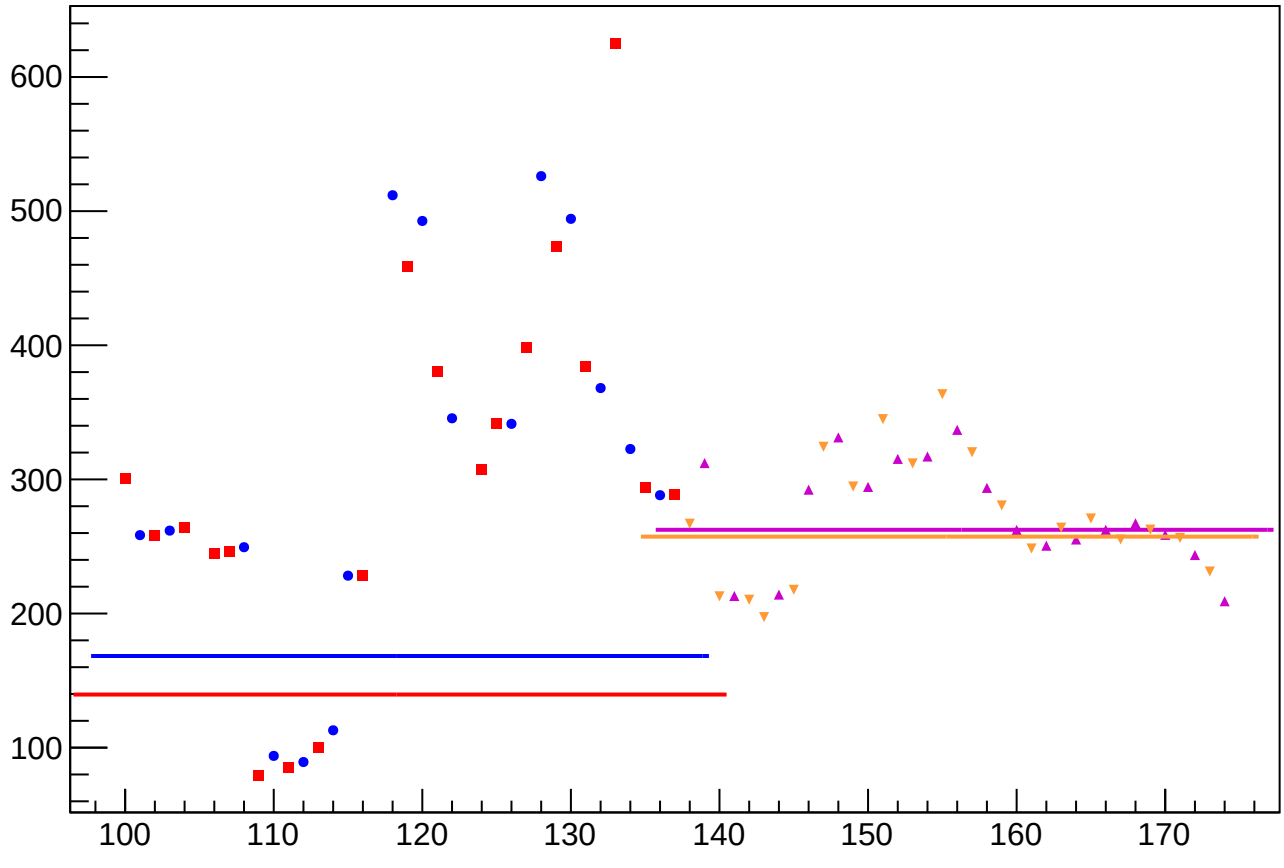
Left: -138.083+/-48.243 χ^2/NDF: 86.3/36

Right: -49.085+/-48.981 χ^2/NDF: 31.3/34

In: -18.295+/-51.133 χ^2/NDF:42.8/33

Out: -156.876+/-46.424 χ^2/NDF:72.4/37

All: -94.259+/-34.371 χ^2/NDF: 119.2/71



Right In: 168.330+/-0.054 χ^2/NDF: 4544046.8/15

Left Out: 257.341+/-0.048 χ^2/NDF:819743.7/18

Right Out: 139.594+/-0.045 χ^2/NDF: 5154153.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665383.3/17

Left: 259.831+/-0.034 χ^2/NDF: 1490683.5/36

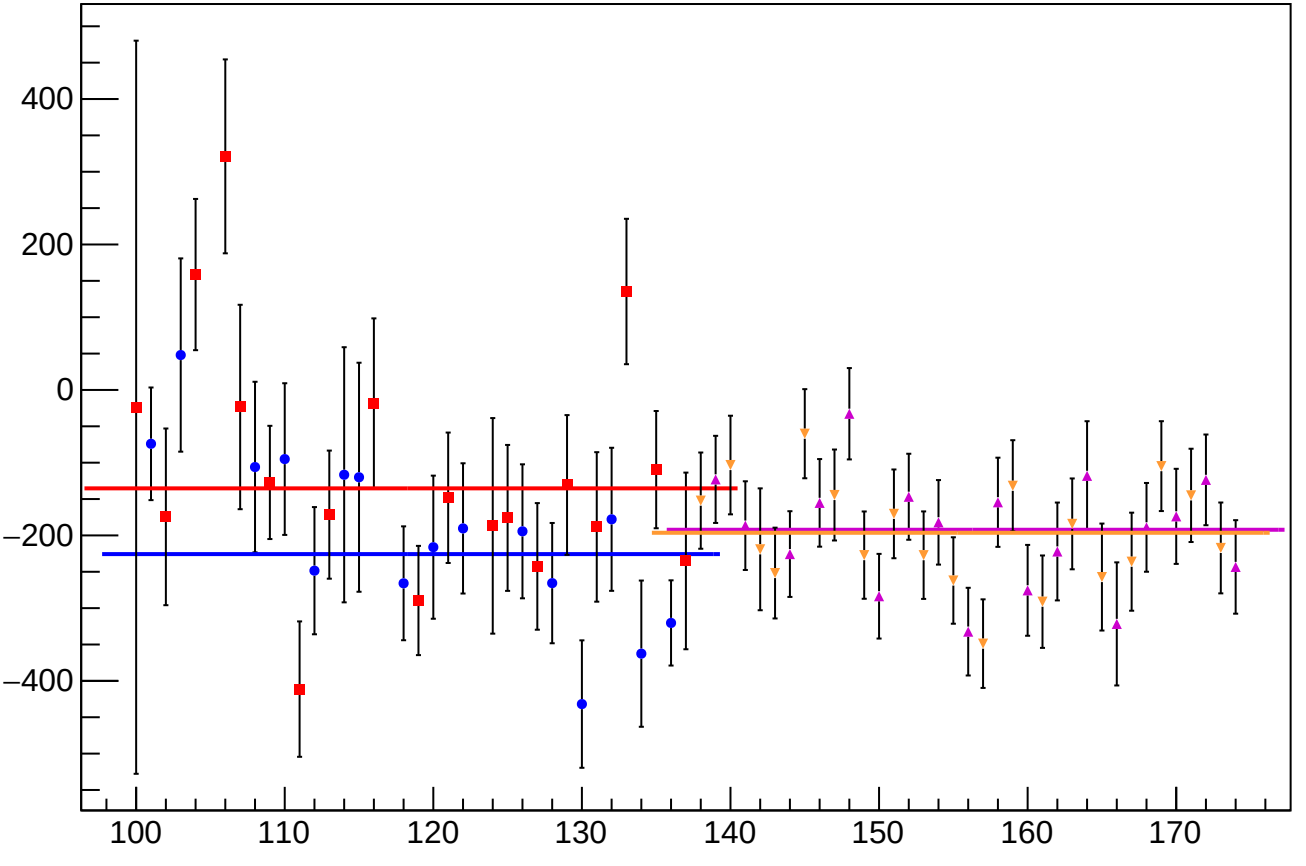
Right: 151.463+/-0.035 χ^2/NDF: 9865092.4/34

In: 220.071+/-0.036 χ^2/NDF:6885895.0/33

Out: 195.256+/-0.033 χ^2/NDF:9180884.9/37

All: 206.468+/-0.024 χ^2/NDF: 16324983.5/71

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -225.692+/-23.118 χ^2/NDF: 22.6/15

Left Out: -196.372+/-14.636 χ^2/NDF:24.3/18

Right Out: -135.311+/-23.205 χ^2/NDF: 44.9/18

Left In: -192.223+/-14.777 χ^2/NDF:24.6/17

Left: -194.317+/-10.399 χ^2/NDF: 48.9/36

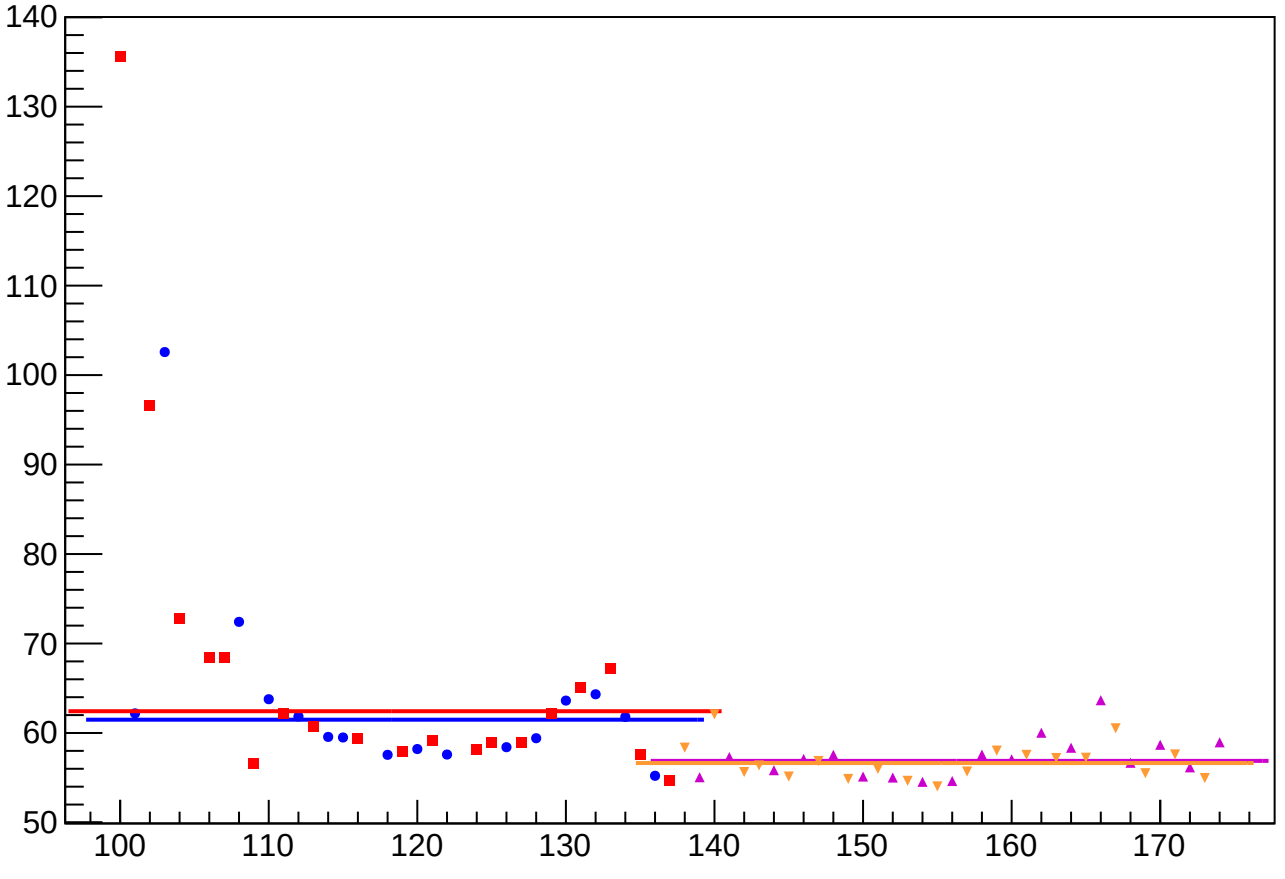
Right: -180.670+/-16.378 χ^2/NDF: 75.1/34

In: -201.931+/-12.451 χ^2/NDF:48.7/33

Out: -178.993+/-12.380 χ^2/NDF:74.2/37

All: -190.396+/-8.779 χ^2/NDF: 124.6/71

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.641+/-0.010 χ^2/NDF:35228.6/18

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

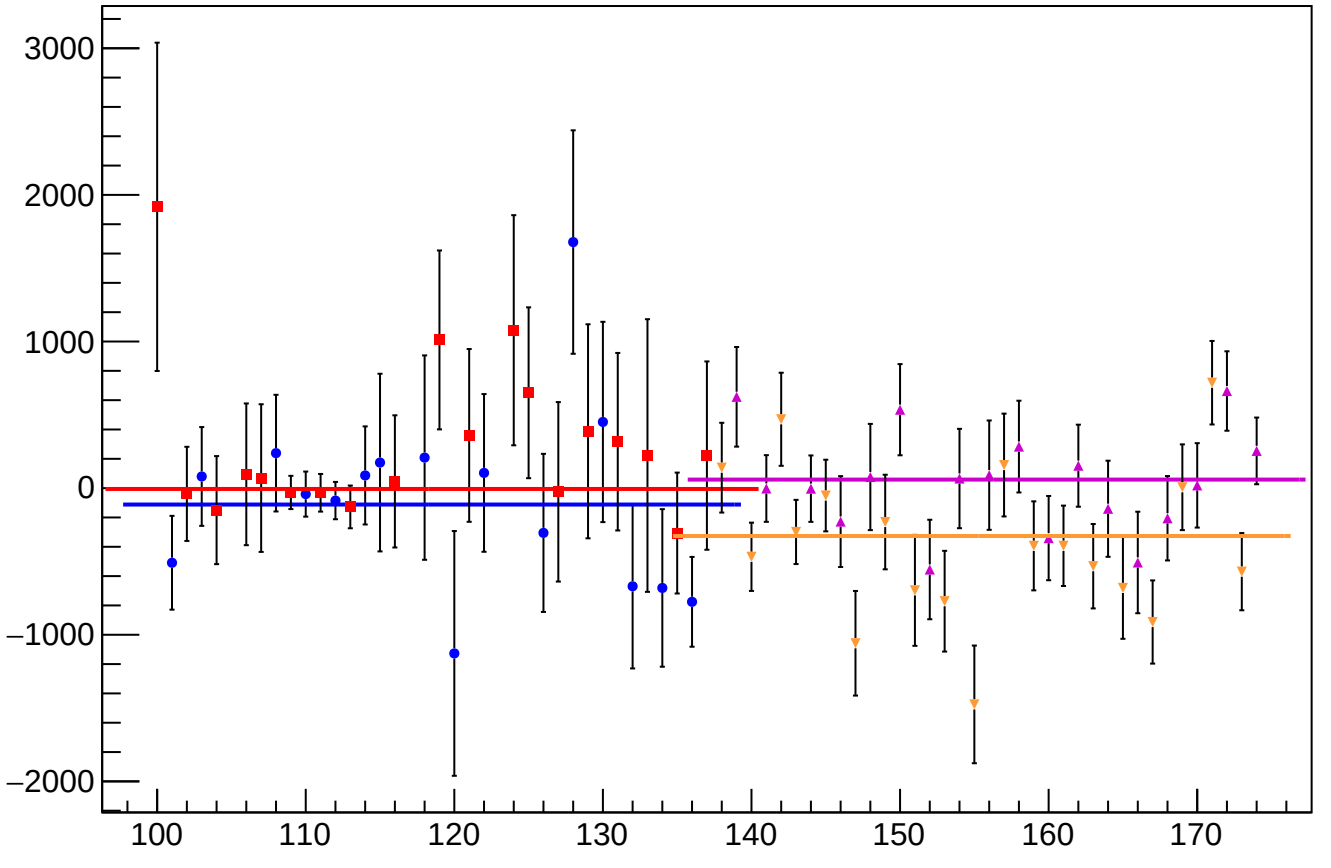
Left: 56.761+/-0.007 χ^2/NDF: 70319.4/36

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.218+/-0.009 χ^2/NDF:341786.7/33

Out: 58.289+/-0.009 χ^2/NDF:403771.7/37

All: 58.254+/-0.006 χ^2/NDF: 745591.5/71



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -326.392+/-67.520 χ^2/NDF:48.9/18

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 58.317+/-68.956 χ^2/NDF:21.6/17

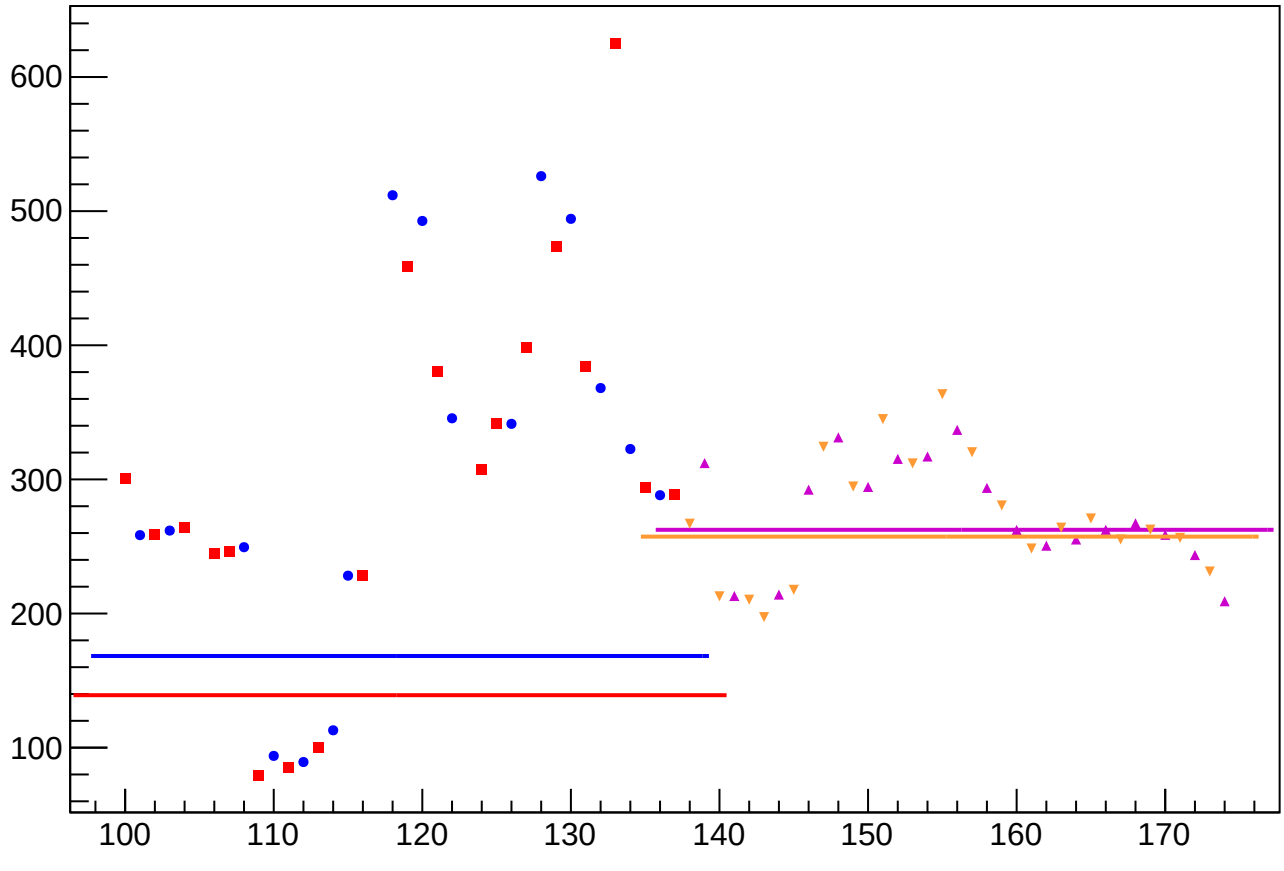
Left: -138.084+/-48.243 χ^2/NDF: 86.3/36

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -18.288+/-51.133 χ^2/NDF:42.8/33

Out: -157.636+/-46.482 χ^2/NDF:72.3/37

All: -94.586+/-34.395 χ^2/NDF: 119.2/71



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.340+/-0.048 χ^2/NDF:819747.9/18

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

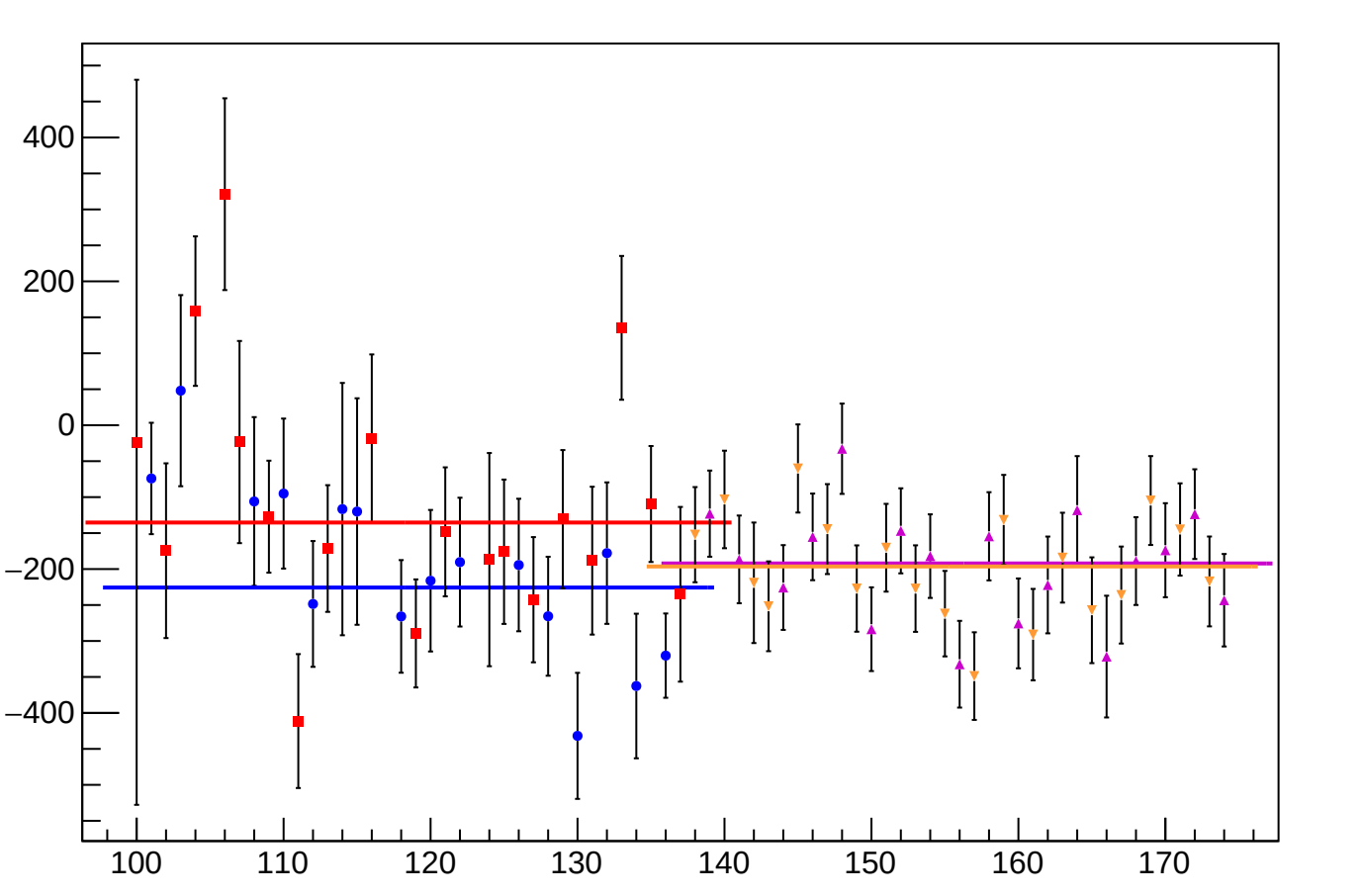
Left: 259.830+/-0.034 χ^2/NDF: 1490686.1/36

Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

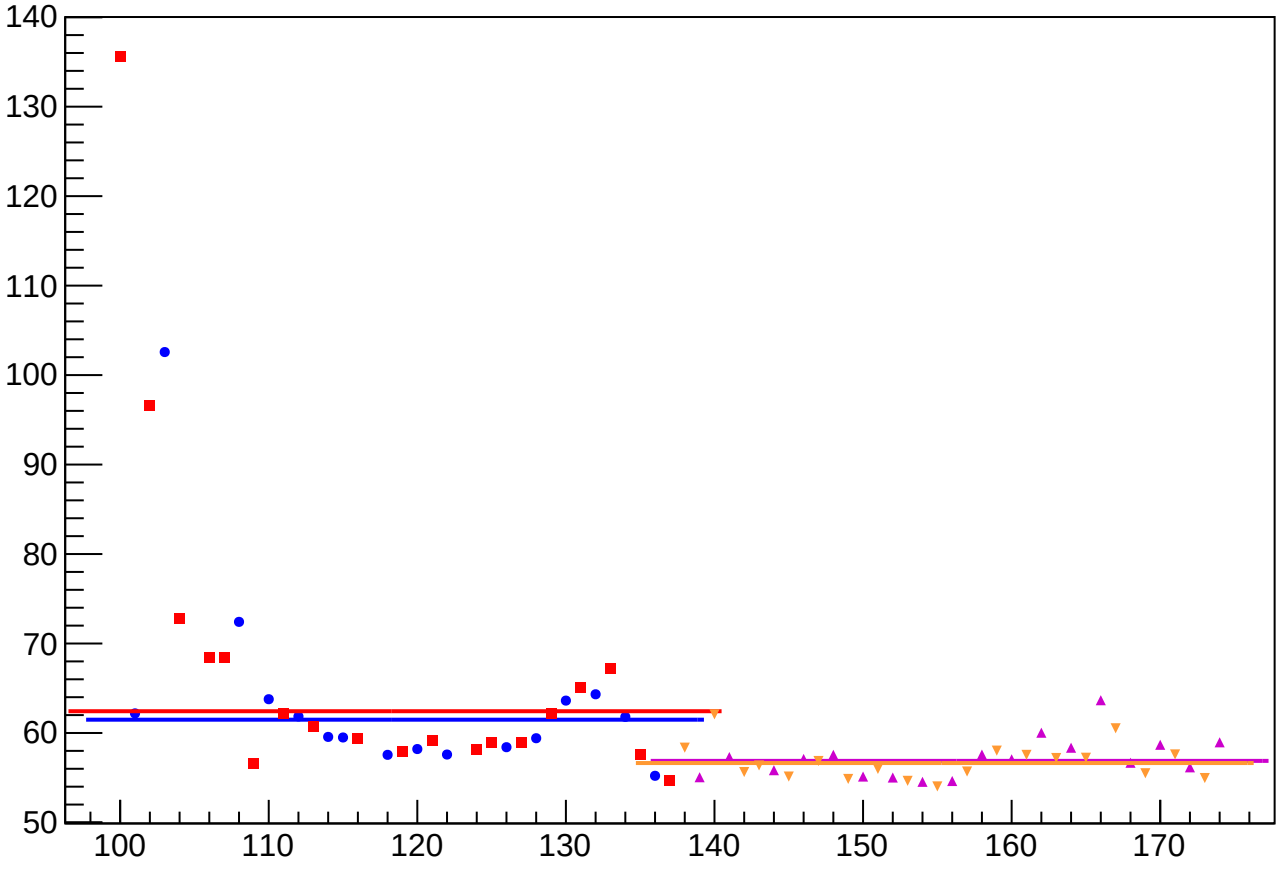
In: 220.071+/-0.036 χ^2/NDF:6885925.7/33

Out: 195.138+/-0.033 χ^2/NDF:9176153.1/37

All: 206.419+/-0.024 χ^2/NDF: 16322448.0/71


eigen_cor_asym_sam8_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
110
120
130
140
150
160
170
Right In: -225.692+/-23.118 χ²/NDF: 22.6/15
Left Out: -196.372+/-14.636 χ²/NDF:24.3/18
Right Out: -135.311+/-23.205 χ²/NDF: 44.9/18
Left In: -192.223+/-14.777 χ²/NDF:24.6/17
Left: -194.317+/-10.399 χ²/NDF: 48.9/36
Right: -180.670+/-16.378 χ²/NDF: 75.1/34
In: -201.931+/-12.451 χ²/NDF:48.7/33
Out: -178.993+/-12.380 χ²/NDF:74.2/37
All: -190.396+/-8.779 χ²/NDF: 124.6/71

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 61.486+/-0.016 χ^2/NDF: 250671.7/15

Left Out: 56.641+/-0.010 χ^2/NDF:35228.6/18

Right Out: 62.433+/-0.016 χ^2/NDF: 279408.8/18

Left In: 56.883+/-0.010 χ^2/NDF:34820.5/17

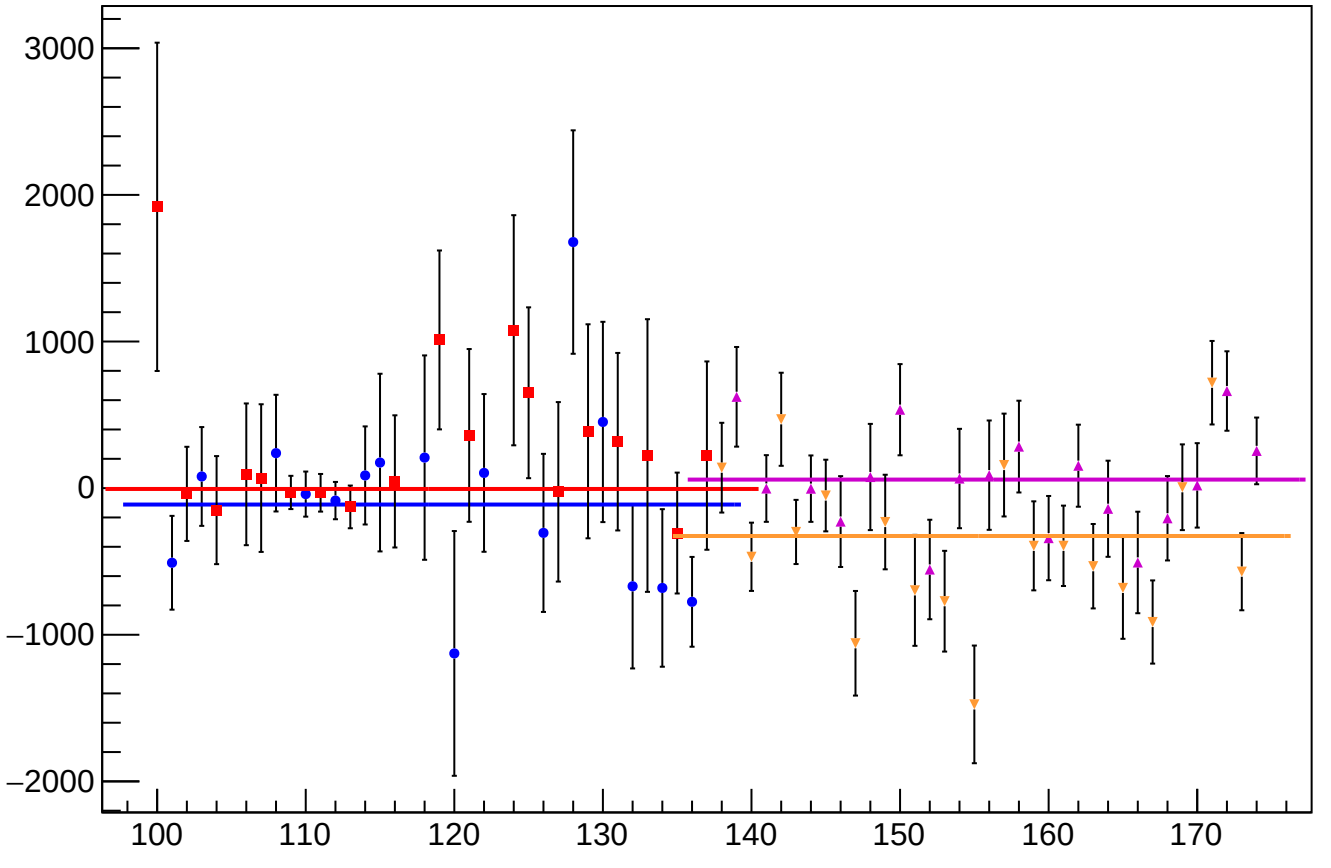
Left: 56.761+/-0.007 χ^2/NDF: 70319.4/36

Right: 61.958+/-0.012 χ^2/NDF: 531751.4/34

In: 58.218+/-0.009 χ^2/NDF:341786.7/33

Out: 58.289+/-0.009 χ^2/NDF:403771.7/37

All: 58.254+/-0.006 χ^2/NDF: 745591.5/71



Right In: -111.866+/-76.213 χ^2/NDF: 18.5/15

Left Out: -326.392+/-67.520 χ^2/NDF:48.9/18

Right Out: -5.616+/-64.085 χ^2/NDF: 11.6/18

Left In: 58.317+/-68.956 χ^2/NDF:21.6/17

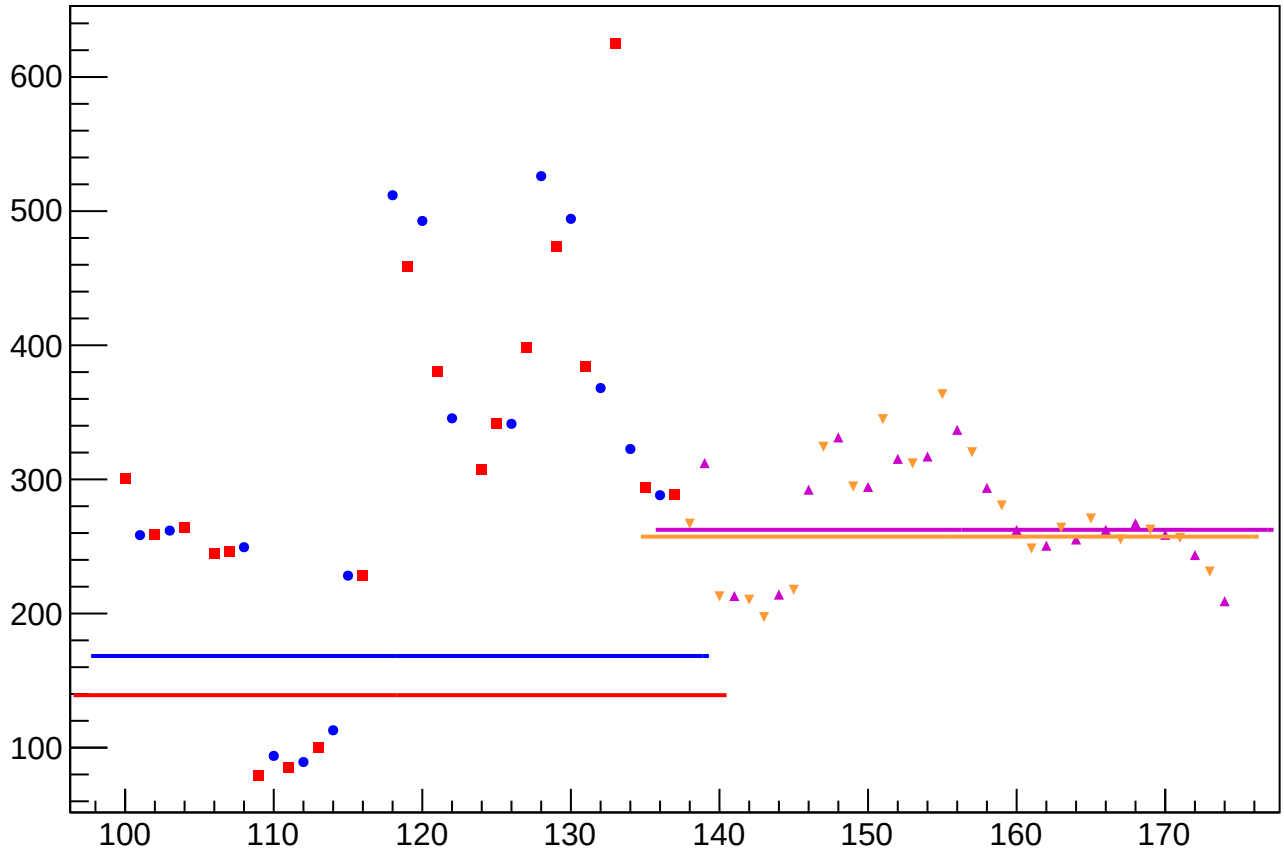
Left: -138.084+/-48.243 χ^2/NDF: 86.3/36

Right: -49.624+/-49.049 χ^2/NDF: 31.2/34

In: -18.288+/-51.133 χ^2/NDF:42.8/33

Out: -157.636+/-46.482 χ^2/NDF:72.3/37

All: -94.586+/-34.395 χ^2/NDF: 119.2/71



Right In: 168.330+/-0.054 χ^2/NDF: 4544100.8/15

Left Out: 257.340+/-0.048 χ^2/NDF:819747.9/18

Right Out: 139.105+/-0.045 χ^2/NDF: 5130011.5/18

Left In: 262.427+/-0.049 χ^2/NDF:665381.5/17

Left: 259.830+/-0.034 χ^2/NDF: 1490686.1/36

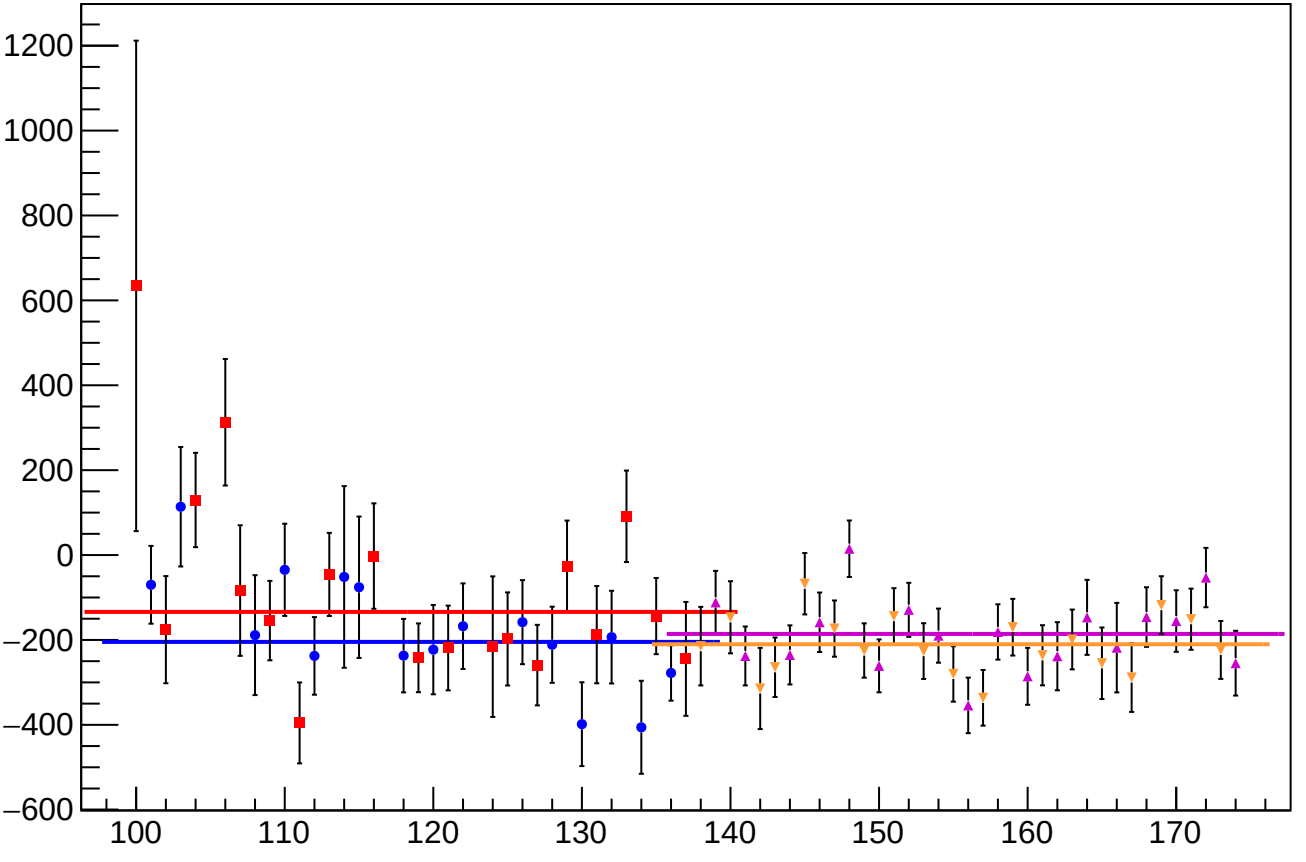
Right: 151.210+/-0.035 χ^2/NDF: 9846393.6/34

In: 220.071+/-0.036 χ^2/NDF:6885925.7/33

Out: 195.138+/-0.033 χ^2/NDF:9176153.1/37

All: 206.419+/-0.024 χ^2/NDF: 16322448.0/71

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -210.140+/-16.436 χ^2/NDF:16.8/18

Right Out: -133.924+/-25.484 χ^2/NDF: 37.2/18

Left In: -185.849+/-16.644 χ^2/NDF:28.0/17

Left: -198.147+/-11.695 χ^2/NDF: 45.9/36

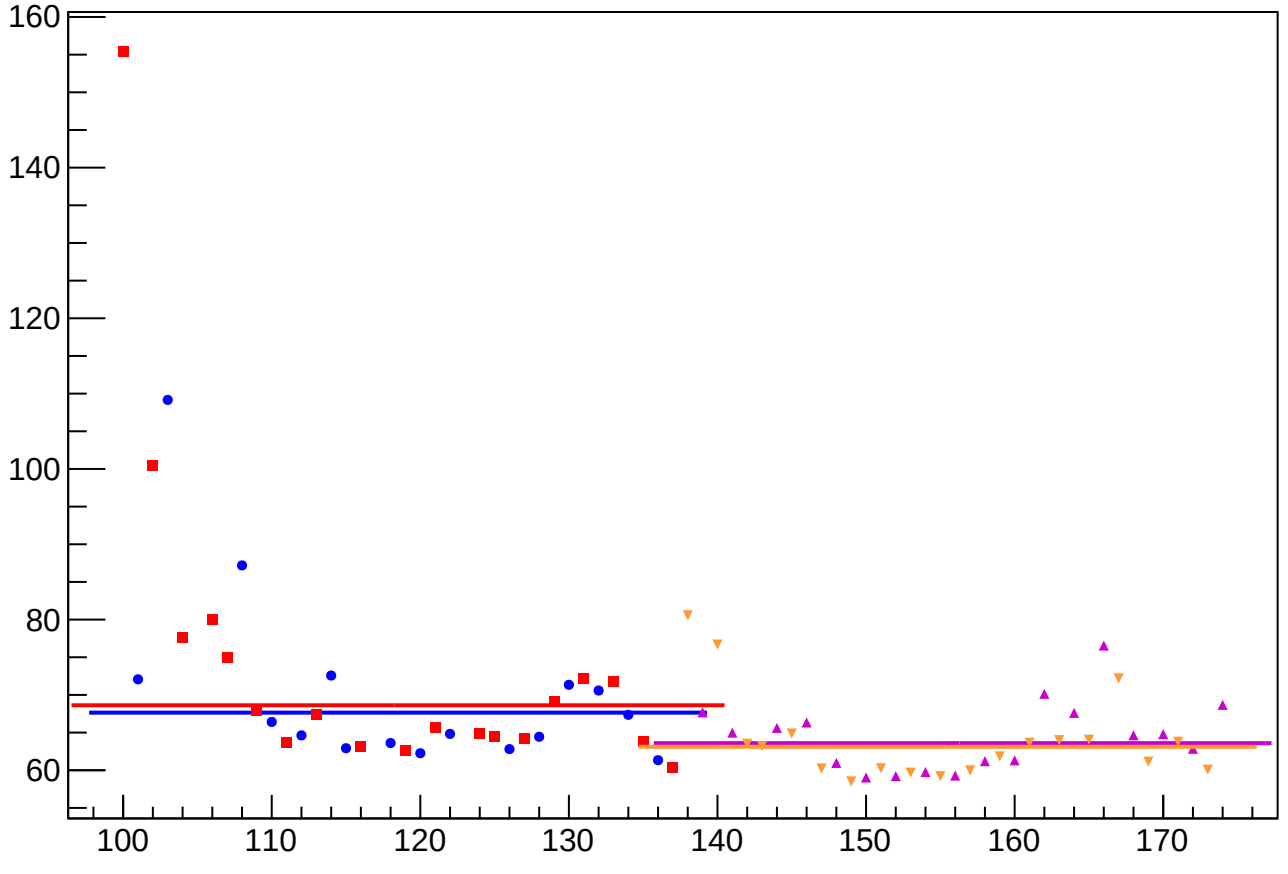
Right: -169.195+/-18.034 χ^2/NDF: 61.1/34

In: -191.437+/-13.942 χ^2/NDF:48.4/33

Out: -187.750+/-13.812 χ^2/NDF:60.3/37

All: -189.576+/-9.812 χ^2/NDF: 108.8/71

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263669.9/15

Left Out: 63.116+/-0.012 χ^2/NDF:190881.6/18

Right Out: 68.624+/-0.018 χ^2/NDF: 248164.6/18

Left In: 63.602+/-0.012 χ^2/NDF:113587.8/17

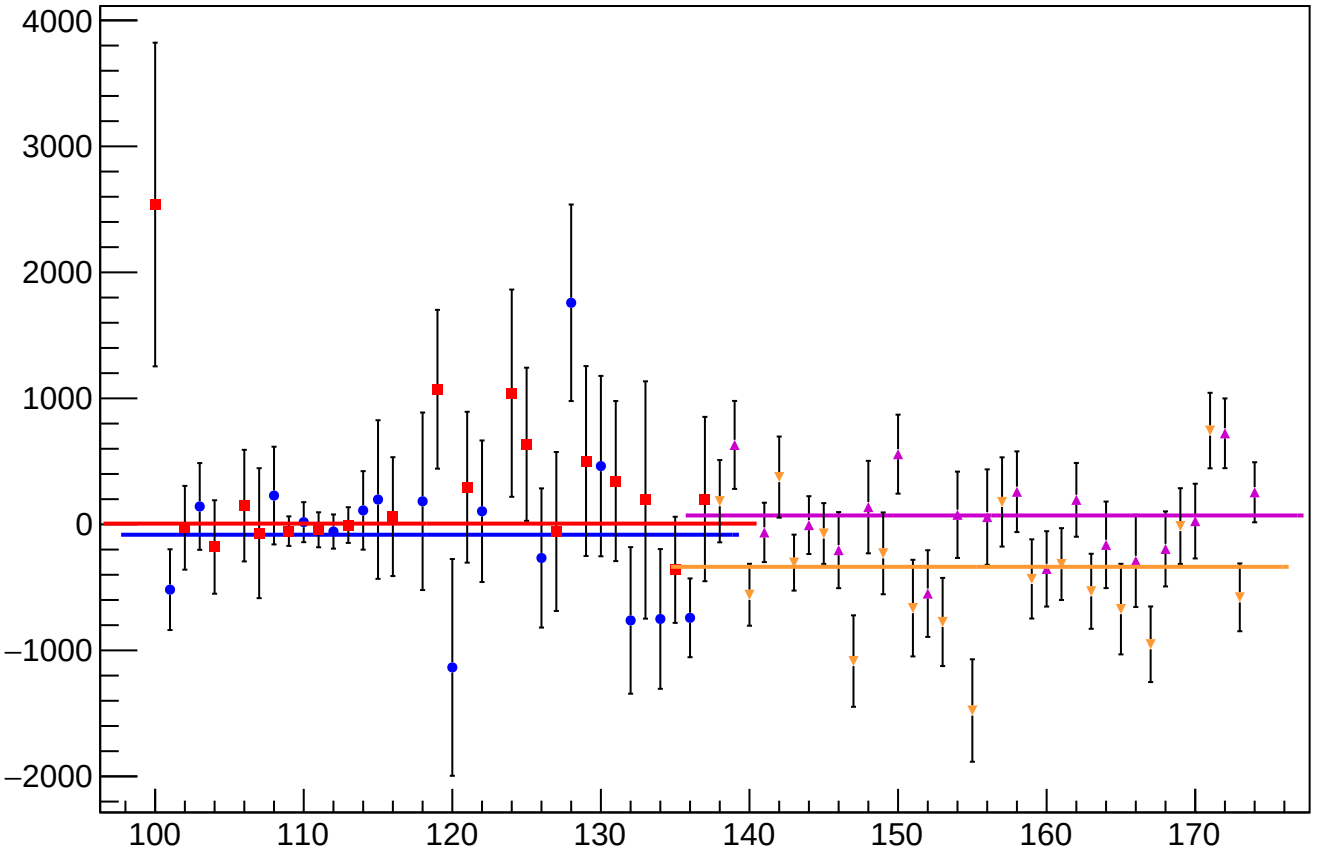
Left: 63.356+/-0.008 χ^2/NDF: 305332.0/36

Right: 68.136+/-0.013 χ^2/NDF: 513300.5/34

In: 64.809+/-0.010 χ^2/NDF:412516.3/33

Out: 64.734+/-0.010 χ^2/NDF:505032.4/37

All: 64.771+/-0.007 χ^2/NDF: 917577.8/71



Right In: -82.228+/-78.676 χ^2/NDF: 19.2/15

Left Out: -336.909+/-69.385 χ^2/NDF:46.7/18

Right Out: 6.063+/-65.910 χ^2/NDF: 12.0/18

Left In: 70.642+/-70.788 χ^2/NDF:20.5/17

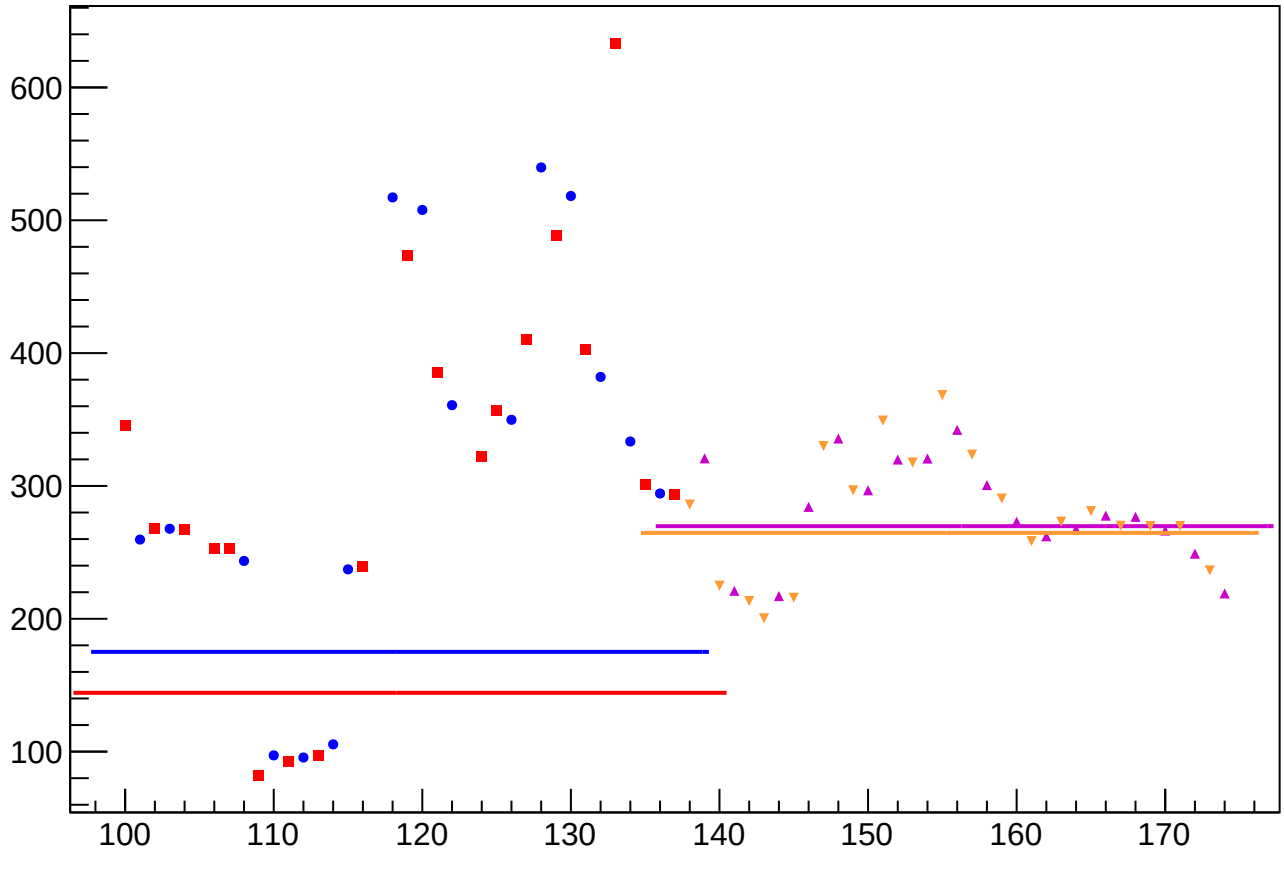
Left: -137.213+/-49.551 χ^2/NDF: 84.1/36

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 2.252+/-52.623 χ^2/NDF:41.7/33

Out: -156.620+/-47.787 χ^2/NDF:71.6/37

All: -84.819+/-35.377 χ^2/NDF: 118.3/71



Right In: 175.099+/-0.056 χ^2/NDF: 4429076.5/15

Left Out: 264.658+/-0.049 χ^2/NDF:818299.0/18

Right Out: 144.276+/-0.047 χ^2/NDF: 5132432.2/18

Left In: 269.730+/-0.050 χ^2/NDF:601634.7/17

Left: 267.143+/-0.035 χ^2/NDF: 1425168.5/36

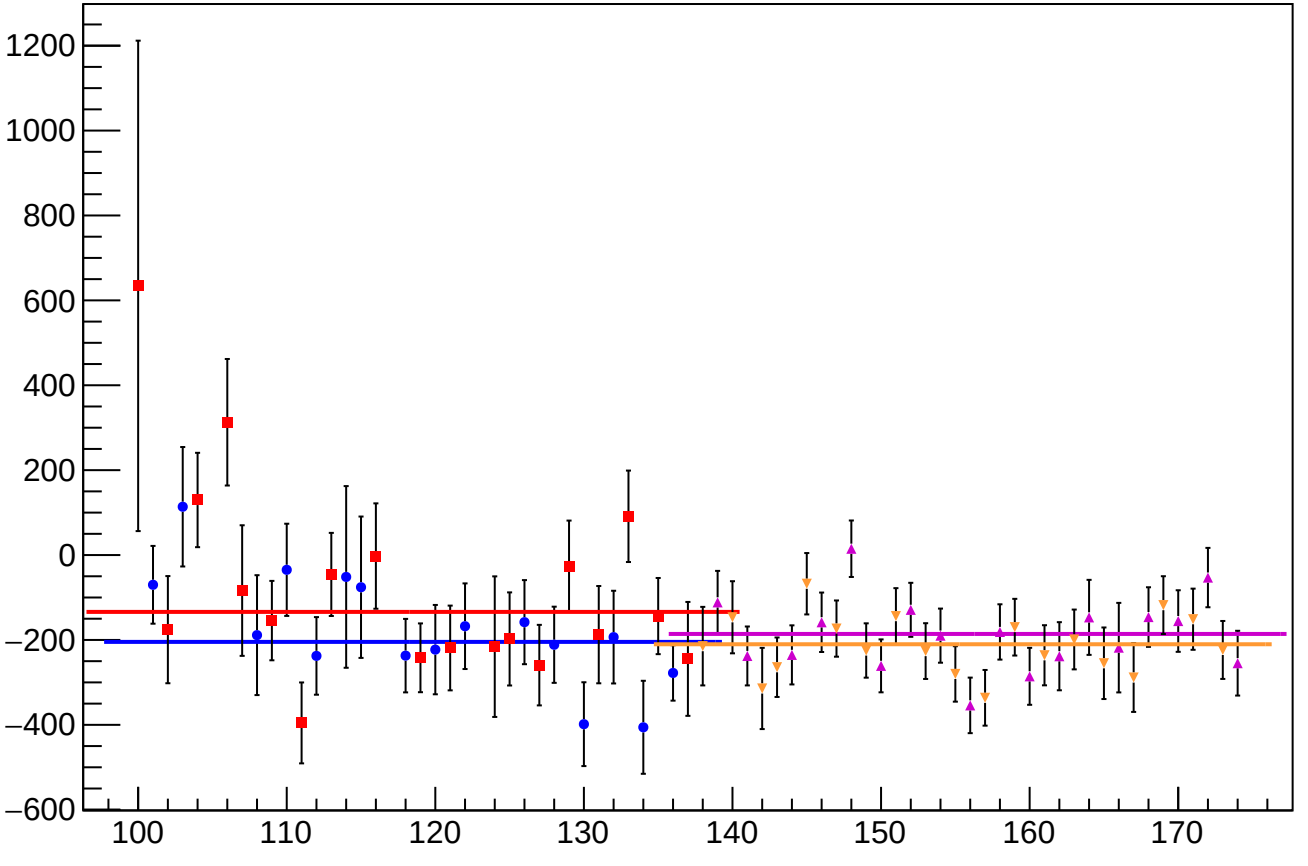
Right: 156.987+/-0.036 χ^2/NDF: 9741889.9/34

In: 227.394+/-0.037 χ^2/NDF:6629668.0/33

Out: 201.378+/-0.034 χ^2/NDF:9115440.7/37

All: 213.136+/-0.025 χ^2/NDF: 16013031.4/71

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -204.577+/-25.523 χ^2/NDF: 20.0/15

Left Out: -210.140+/-16.436 χ^2/NDF:16.8/18

Right Out: -133.926+/-25.483 χ^2/NDF: 37.2/18

Left In: -185.850+/-16.644 χ^2/NDF:28.0/17

Left: -198.148+/-11.695 χ^2/NDF: 45.9/36

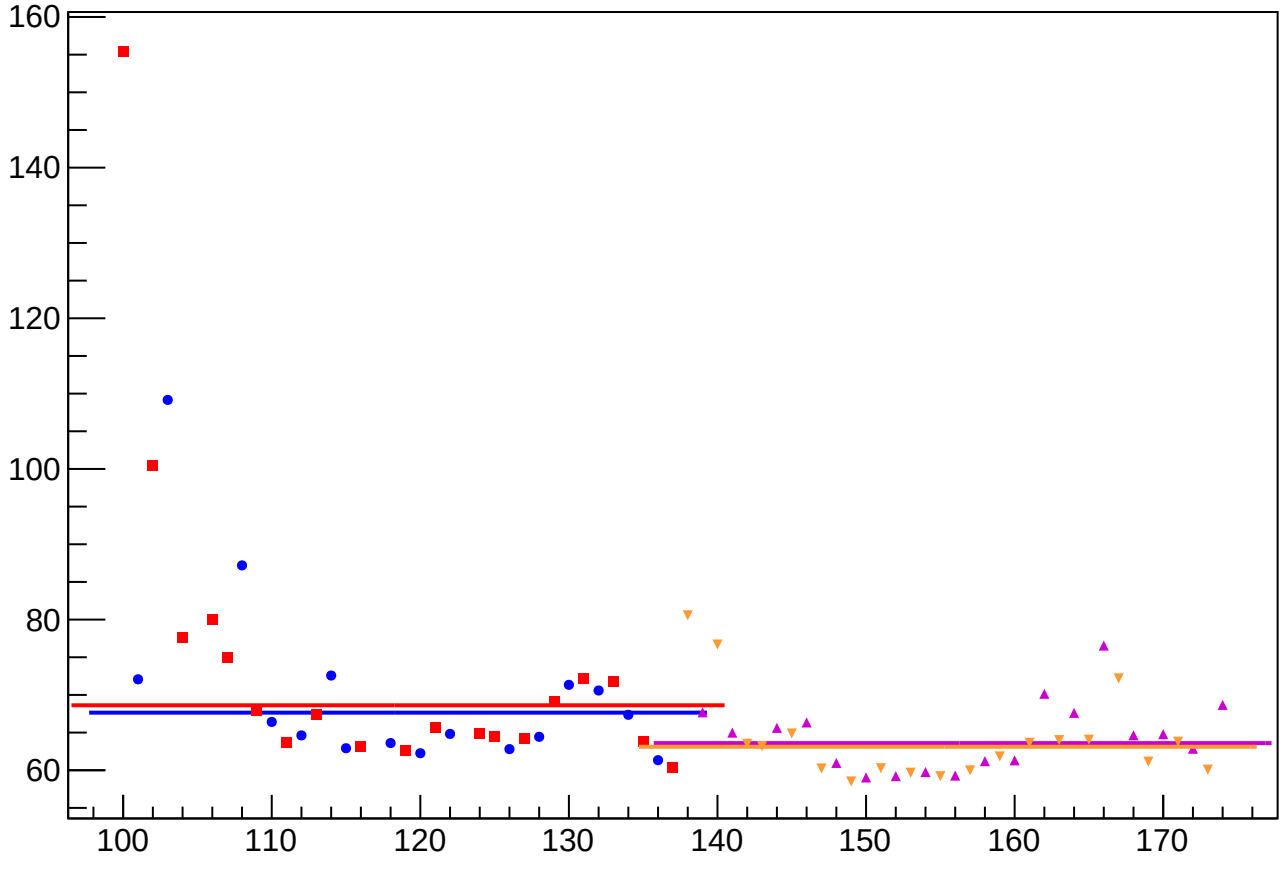
Right: -169.196+/-18.034 χ^2/NDF: 61.1/34

In: -191.437+/-13.942 χ^2/NDF:48.4/33

Out: -187.750+/-13.812 χ^2/NDF:60.3/37

All: -189.577+/-9.812 χ^2/NDF: 108.8/71

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 67.647+/-0.018 χ^2/NDF: 263668.9/15

Left Out: 63.116+/-0.012 χ^2/NDF:190880.3/18

Right Out: 68.624+/-0.018 χ^2/NDF: 248166.1/18

Left In: 63.602+/-0.012 χ^2/NDF:113588.0/17

Left: 63.356+/-0.008 χ^2/NDF: 305331.0/36

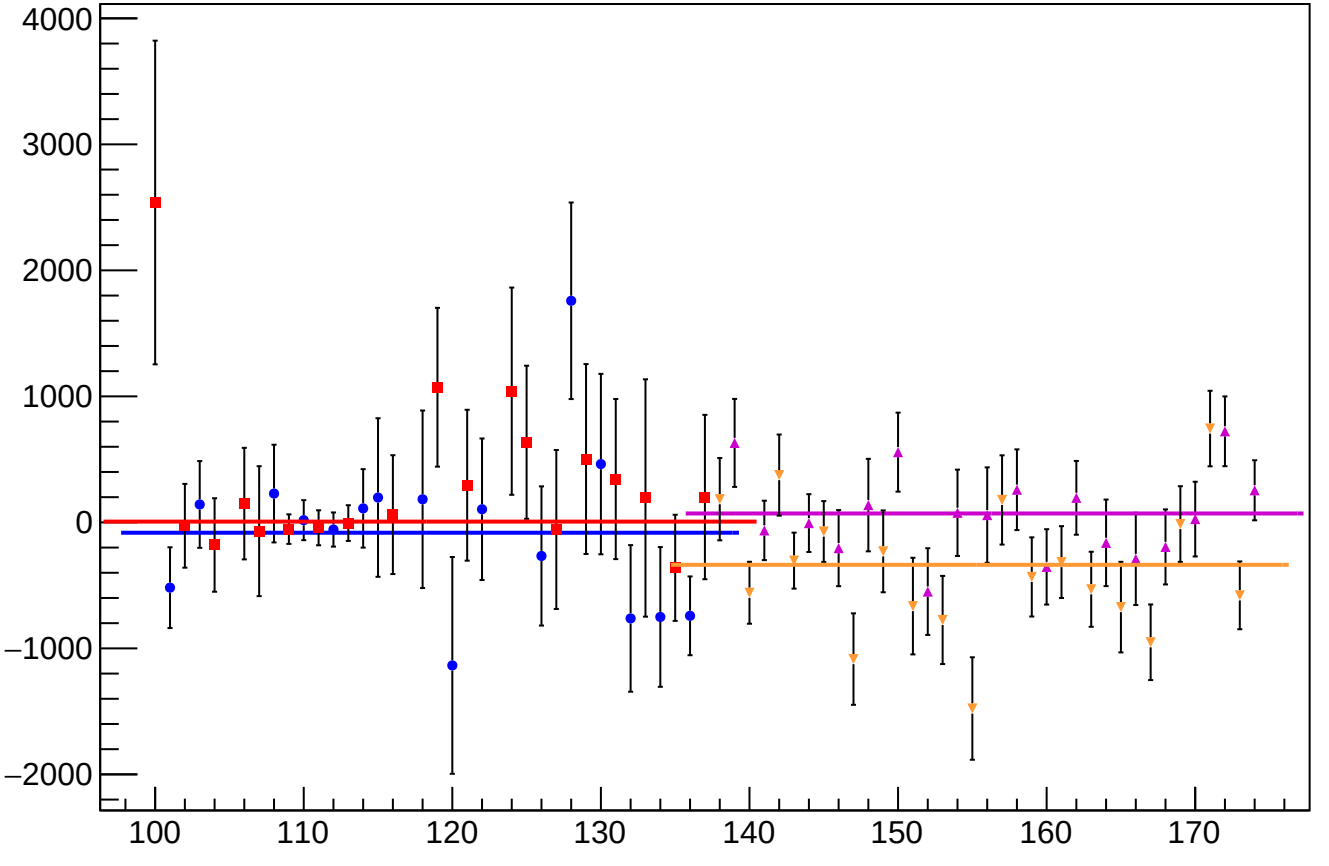
Right: 68.136+/-0.013 χ^2/NDF: 513301.0/34

In: 64.809+/-0.010 χ^2/NDF:412511.8/33

Out: 64.734+/-0.010 χ^2/NDF:505027.1/37

All: 64.771+/-0.007 χ^2/NDF: 917567.9/71

asym_sam8_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -82.226+/-78.675 χ^2/NDF: 19.2/15

Left Out: -336.909+/-69.385 χ^2/NDF:46.7/18

Right Out: 6.062+/-65.910 χ^2/NDF: 12.0/18

Left In: 70.642+/-70.788 χ^2/NDF:20.5/17

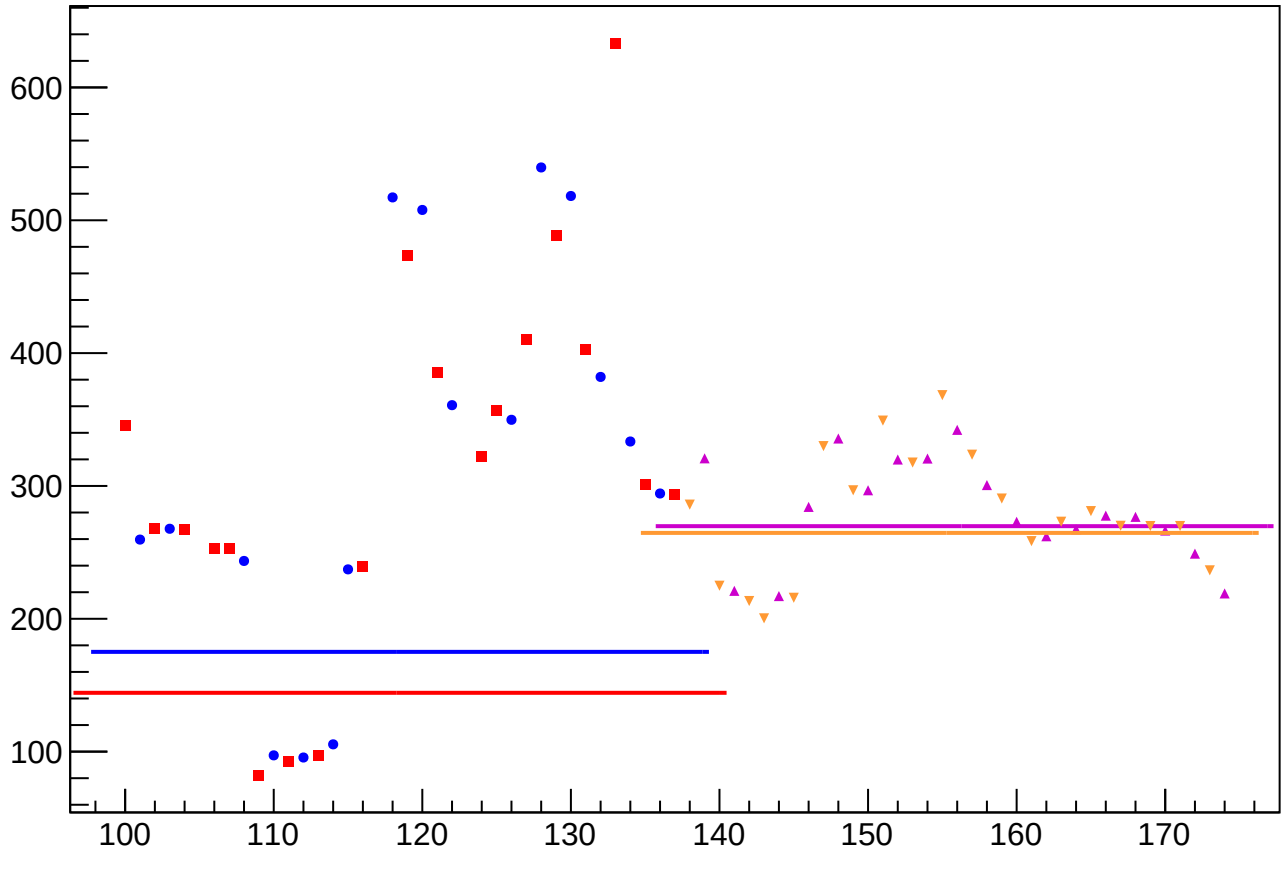
Left: -137.213+/-49.551 χ^2/NDF: 84.1/36

Right: -30.347+/-50.524 χ^2/NDF: 32.0/34

In: 2.252+/-52.623 χ^2/NDF:41.7/33

Out: -156.621+/-47.787 χ^2/NDF:71.6/37

All: -84.819+/-35.377 χ^2/NDF: 118.3/71



Right In: 175.098+/-0.056 χ^2/NDF: 4429098.4/15

Left Out: 264.657+/-0.049 χ^2/NDF:818308.4/18

Right Out: 144.276+/-0.047 χ^2/NDF: 5132412.3/18

Left In: 269.729+/-0.050 χ^2/NDF:601639.6/17

Left: 267.142+/-0.035 χ^2/NDF: 1425182.9/36

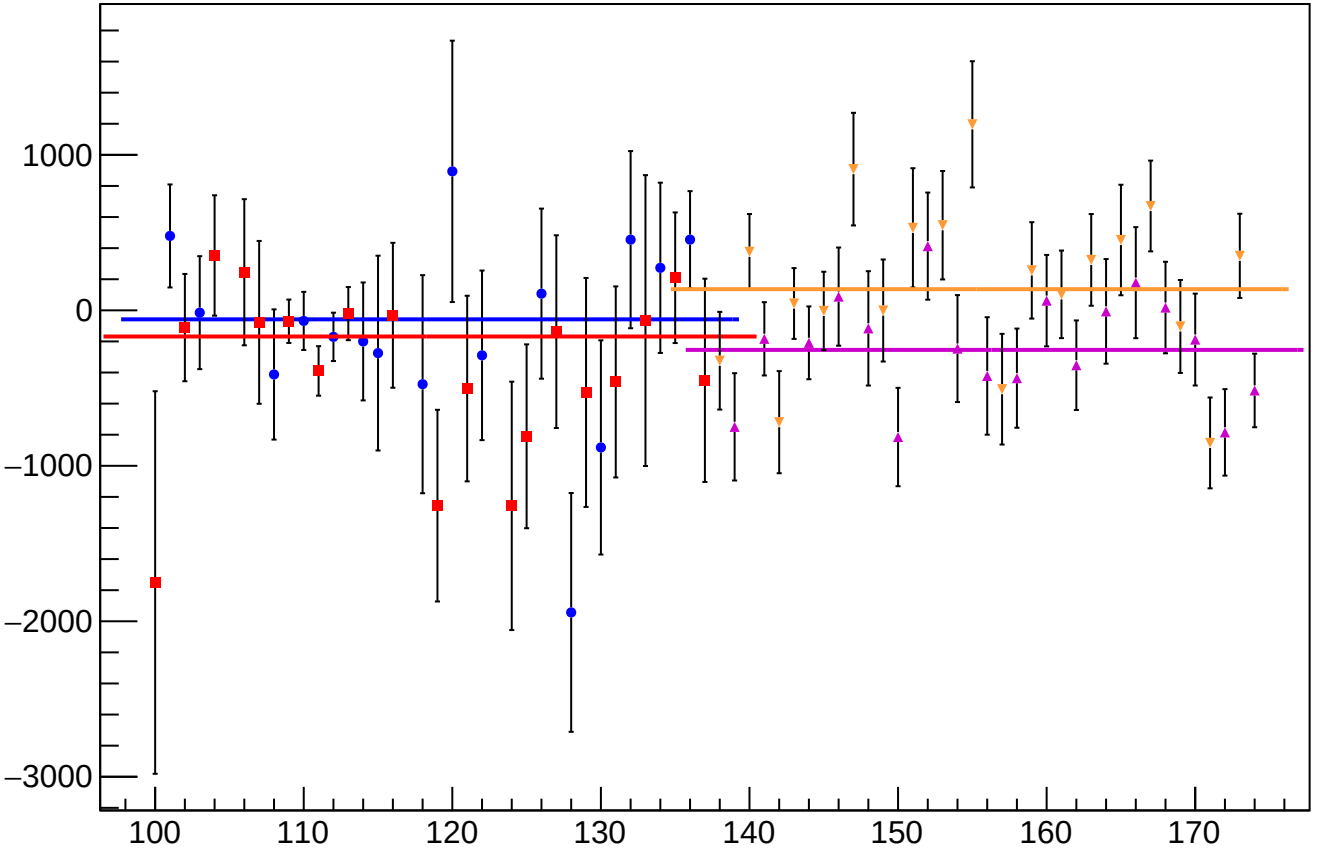
Right: 156.987+/-0.036 χ^2/NDF: 9741880.9/34

In: 227.393+/-0.037 χ^2/NDF:6629724.5/33

Out: 201.377+/-0.034 χ^2/NDF:9115411.8/37

All: 213.135+/-0.025 χ^2/NDF: 16013046.8/71

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.970+/-86.890 χ^2/NDF: 17.4/15

Left Out: 136.051+/-69.338 χ^2/NDF:45.1/18

Right Out: -168.322+/-74.598 χ^2/NDF: 15.5/18

Left In: -254.470+/-70.738 χ^2/NDF:20.0/17

Left: -55.308+/-49.517 χ^2/NDF: 80.6/36

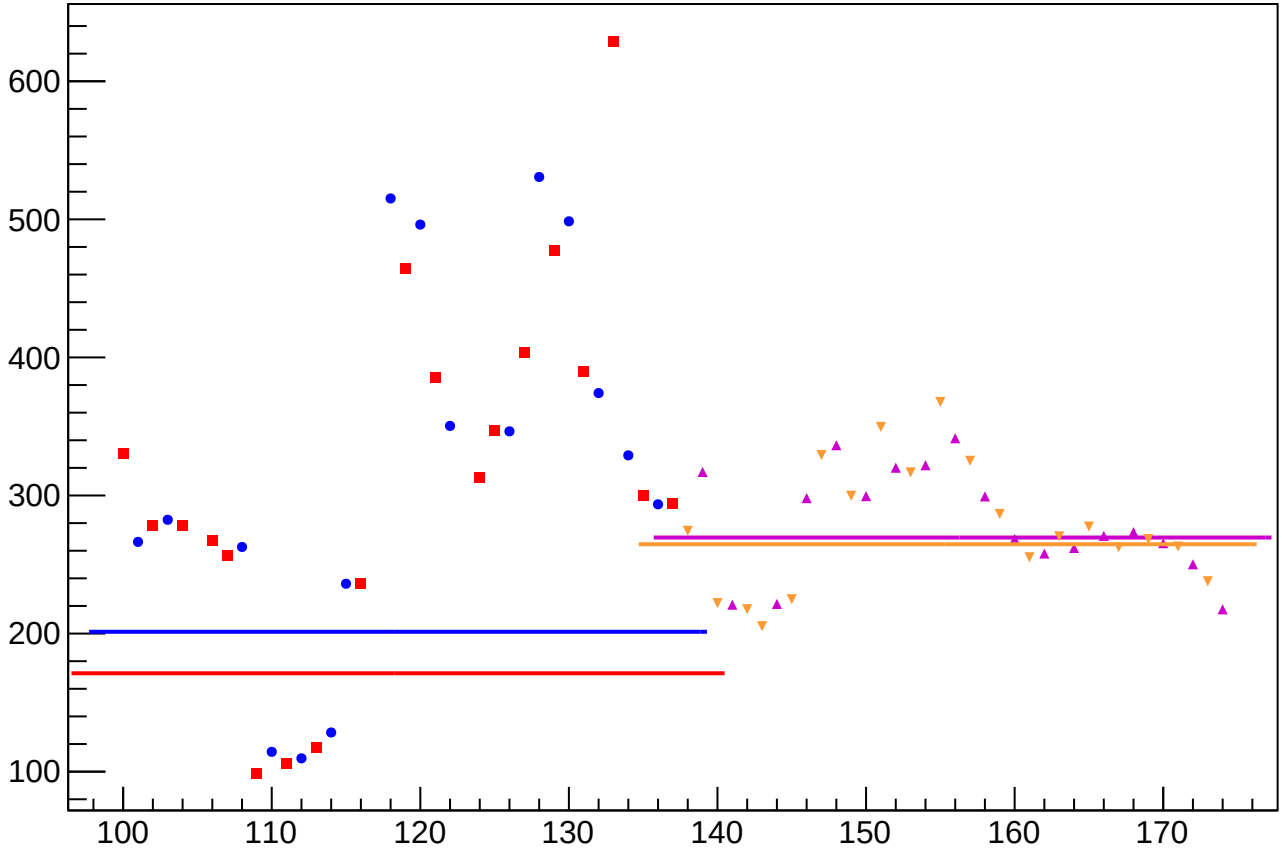
Right: -121.498+/-56.600 χ^2/NDF: 33.8/34

In: -176.147+/-54.858 χ^2/NDF:40.4/33

Out: -5.028+/-50.787 χ^2/NDF:69.5/37

All: -84.004+/-37.268 χ^2/NDF: 115.2/71

asym_sam8_rms vs Slug, Sign Corrected



Right In: 201.301+/-0.061 χ^2/NDF: 3572199.4/15

Left Out: 264.695+/-0.049 χ^2/NDF:741976.4/18

Right Out: 171.252+/-0.053 χ^2/NDF: 4192554.2/18

Left In: 269.560+/-0.050 χ^2/NDF:598362.4/17

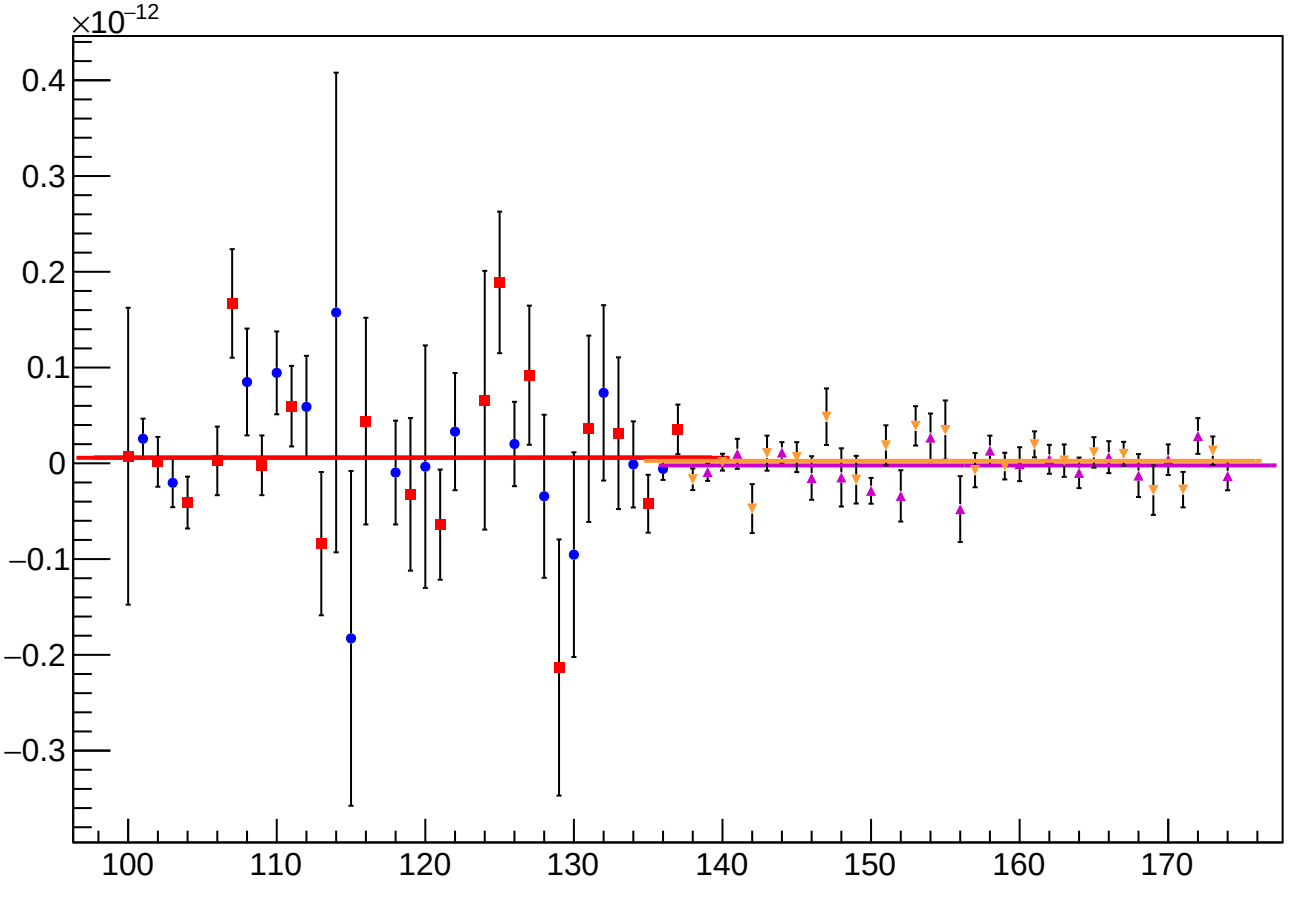
Left: 267.079+/-0.035 χ^2/NDF: 1345164.6/36

Right: 184.002+/-0.040 χ^2/NDF: 7902458.5/34

In: 242.353+/-0.039 χ^2/NDF:4912853.6/33

Out: 221.383+/-0.036 χ^2/NDF:6618115.2/37

All: 231.061+/-0.026 χ^2/NDF: 11688333.4/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:22.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/18

Left In: -0.000+/-0.000 χ^2/NDF:16.9/17

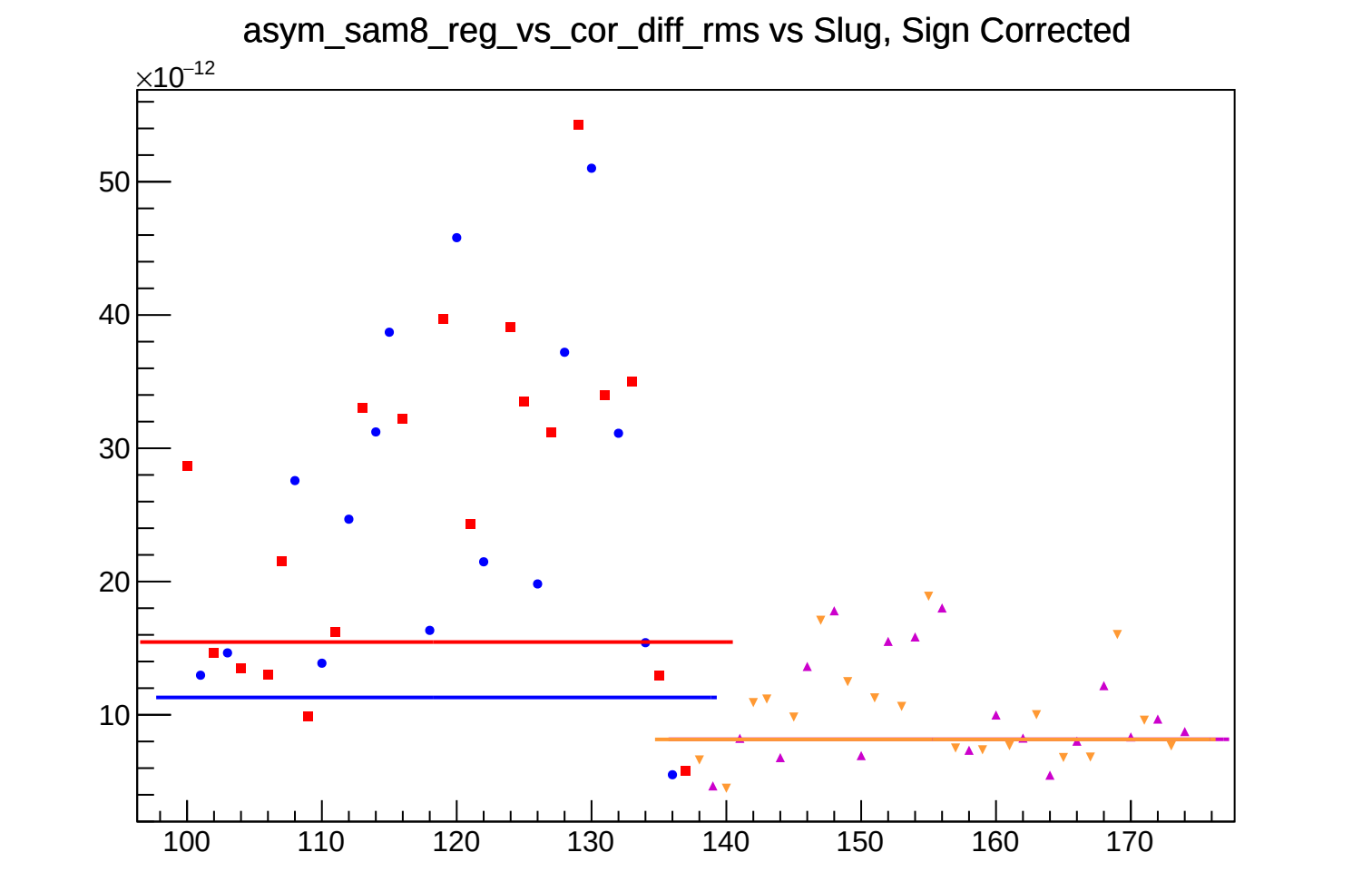
Left: 0.000+/-0.000 χ^2/NDF: 39.9/36

Right: 0.000+/-0.000 χ^2/NDF: 44.3/34

In: -0.000+/-0.000 χ^2/NDF:31.5/33

Out: 0.000+/-0.000 χ^2/NDF:52.8/37

All: 0.000+/-0.000 χ^2/NDF: 84.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 1788731.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1316510.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1442096.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1318492.9/17

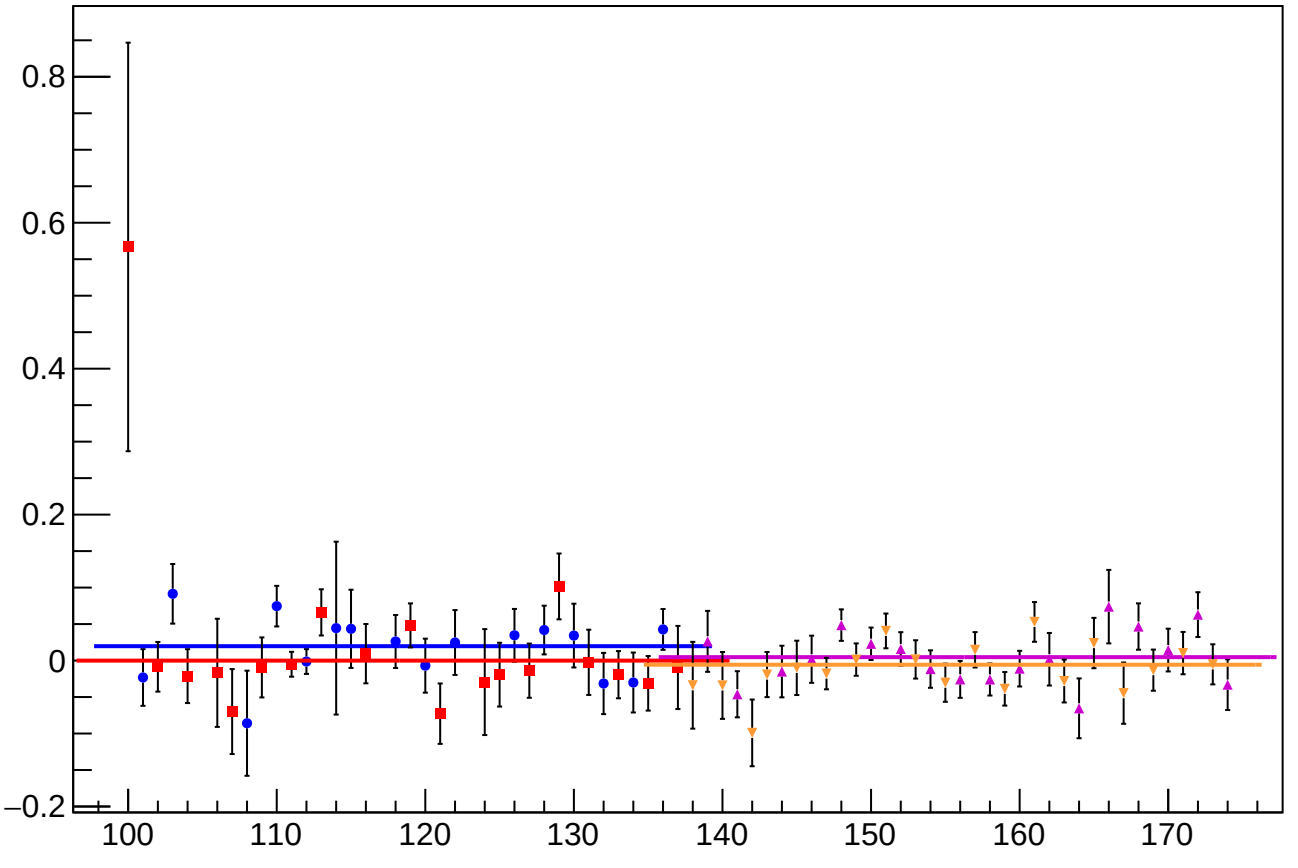
Left: 0.000+/-0.000 χ^2/NDF: 2635008.8/36

Right: 0.000+/-0.000 χ^2/NDF: 3431603.8/34

In: 0.000+/-0.000 χ^2/NDF:3345786.3/33

Out: 0.000+/-0.000 χ^2/NDF:3668312.1/37

All: 0.000+/-0.000 χ^2/NDF: 7020690.7/71



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

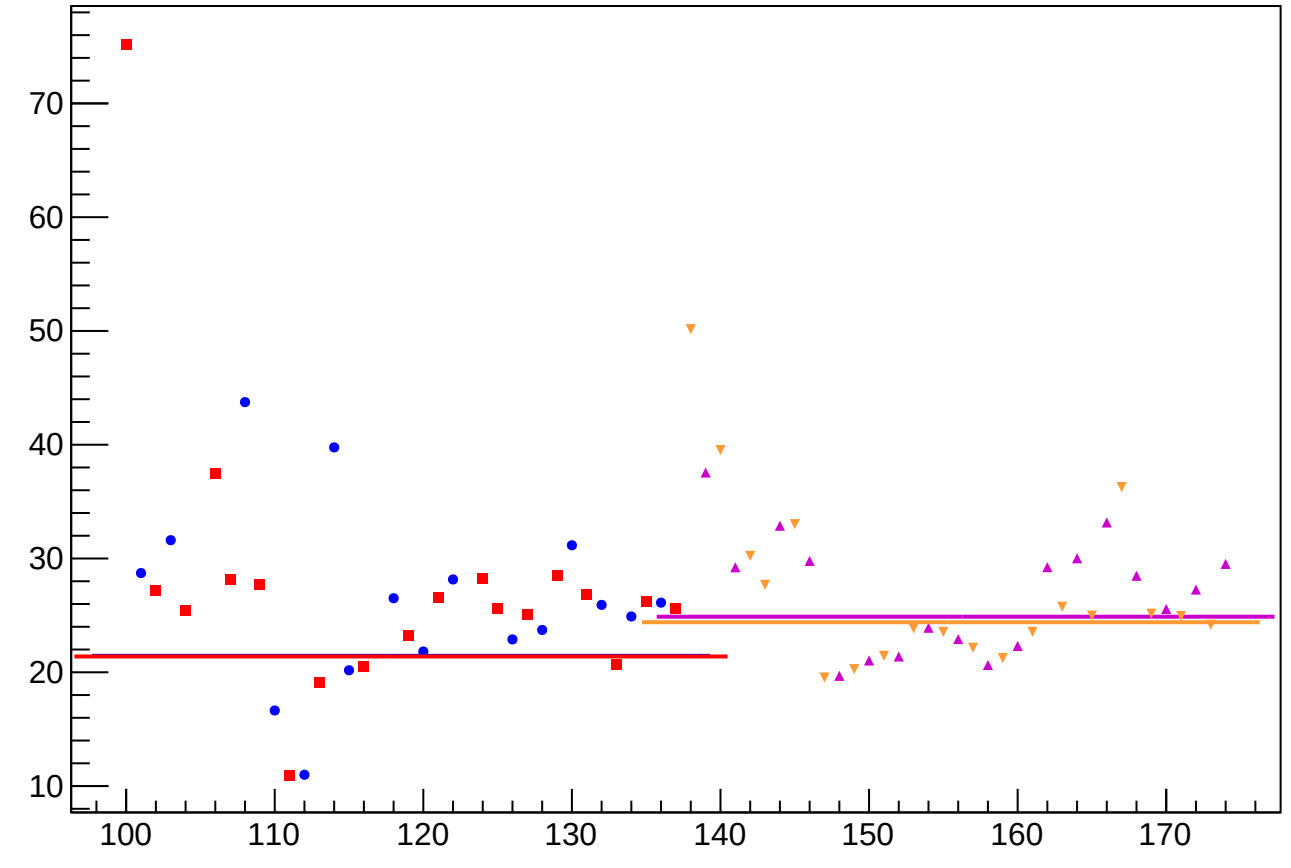
Left: -0.001+/-0.005 χ^2/NDF: 45.2/36

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.003+/-0.004 χ^2/NDF: 89.5/71



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184437.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

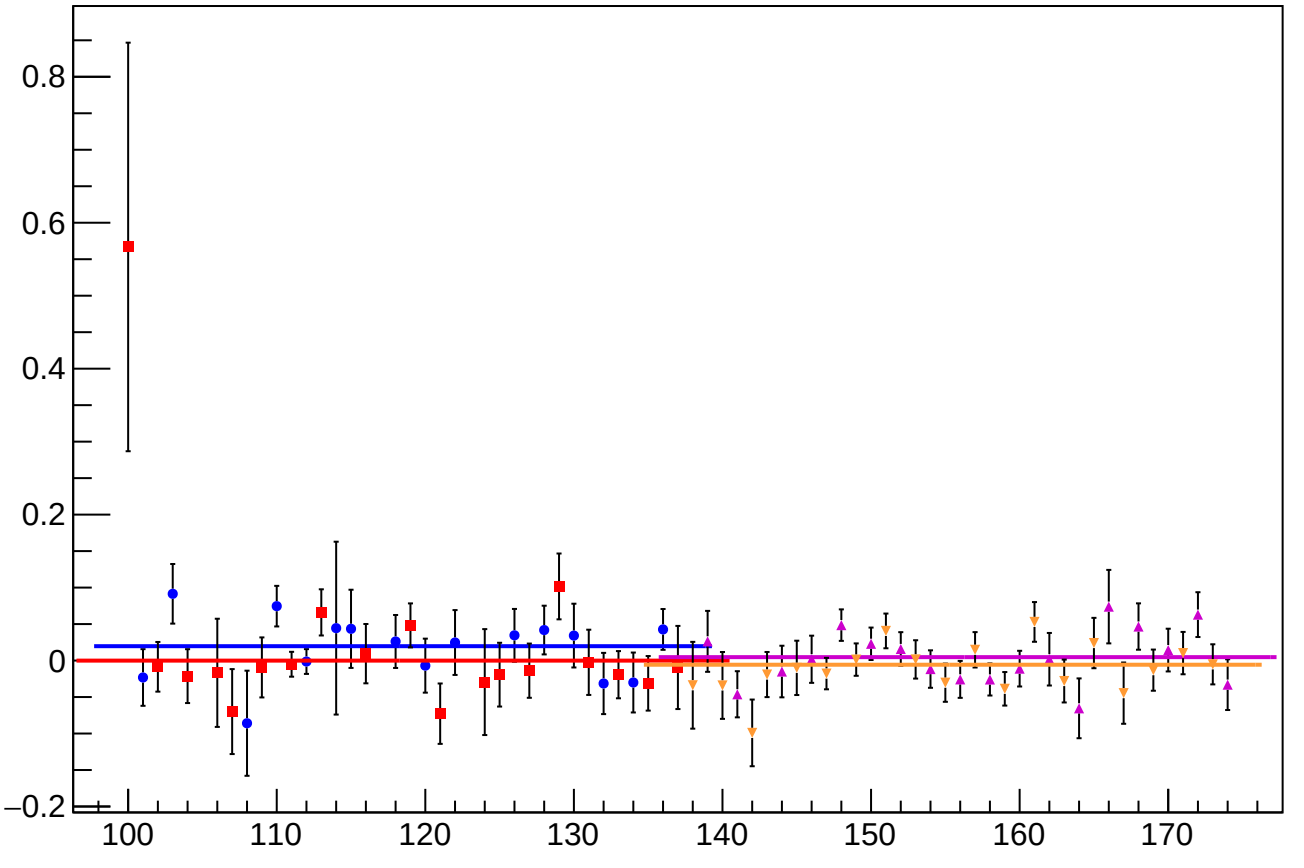
Left: 24.636+/-0.003 χ^2/NDF: 2082645.1/36

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.591+/-0.004 χ^2/NDF:2629488.4/33

Out: 23.274+/-0.004 χ^2/NDF:2653222.2/37

All: 23.429+/-0.003 χ^2/NDF: 5286319.7/71



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

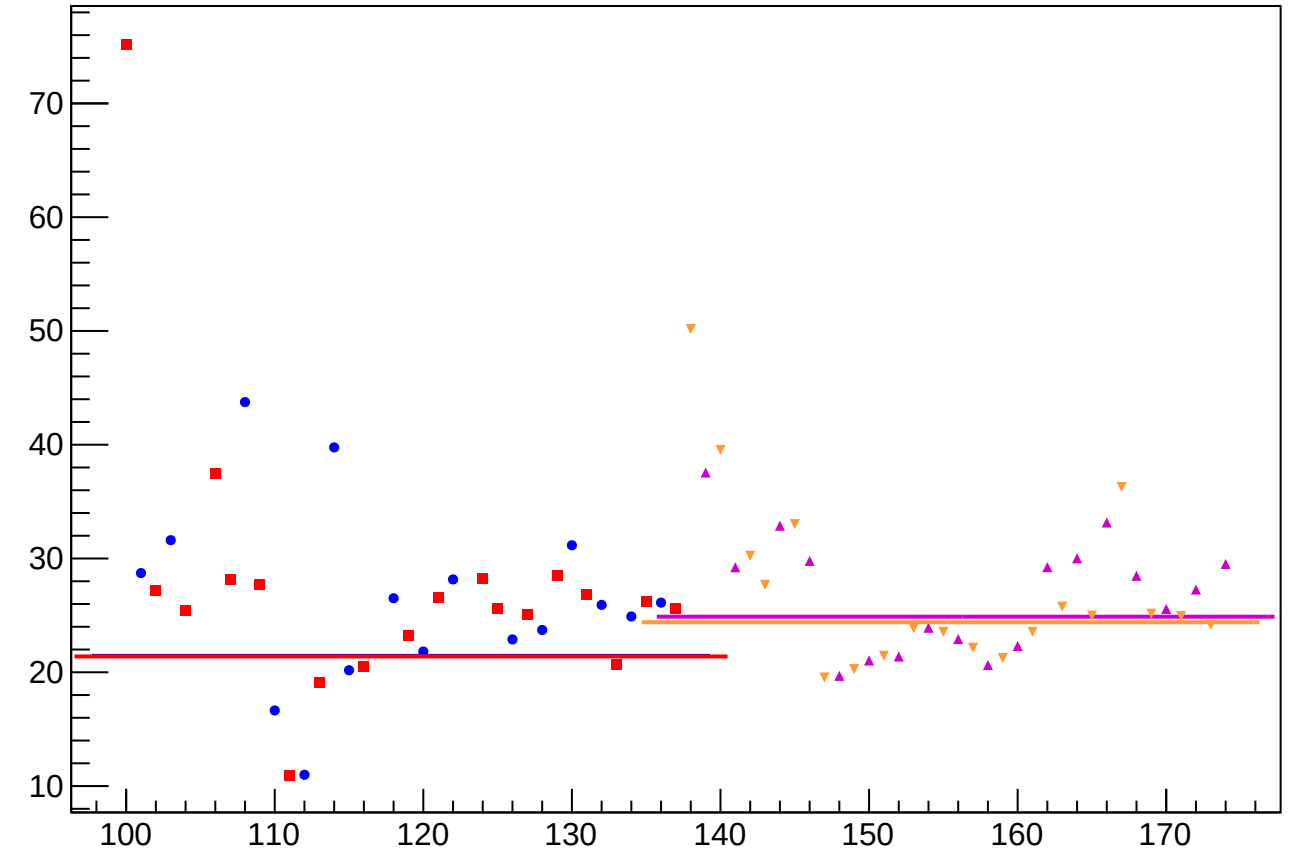
Left: -0.001+/-0.005 χ^2/NDF: 45.2/36

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.003+/-0.004 χ^2/NDF: 89.5/71



Right In: 21.444+/-0.006 χ^2/NDF: 1540713.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184437.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1311934.3/18

Left In: 24.884+/-0.005 χ^2/NDF:892919.7/17

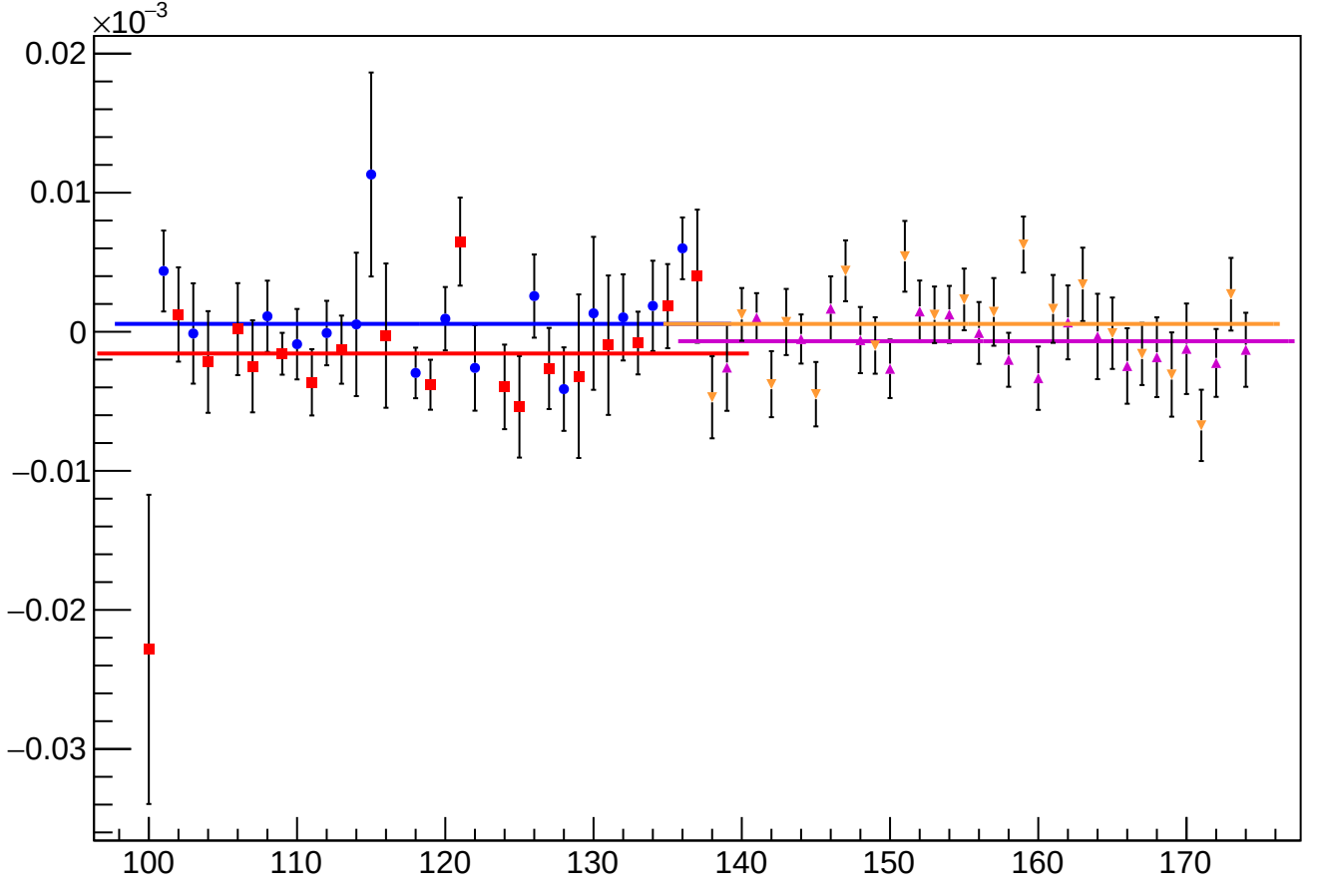
Left: 24.636+/-0.003 χ^2/NDF: 2082645.1/36

Right: 21.416+/-0.004 χ^2/NDF: 2852687.6/34

In: 23.591+/-0.004 χ^2/NDF:2629488.4/33

Out: 23.274+/-0.004 χ^2/NDF:2653222.2/37

All: 23.429+/-0.003 χ^2/NDF: 5286319.7/71



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

Left Out: 0.000+/-0.000 χ^2/NDF:40.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.3/18

Left In: -0.000+/-0.000 χ^2/NDF:8.3/17

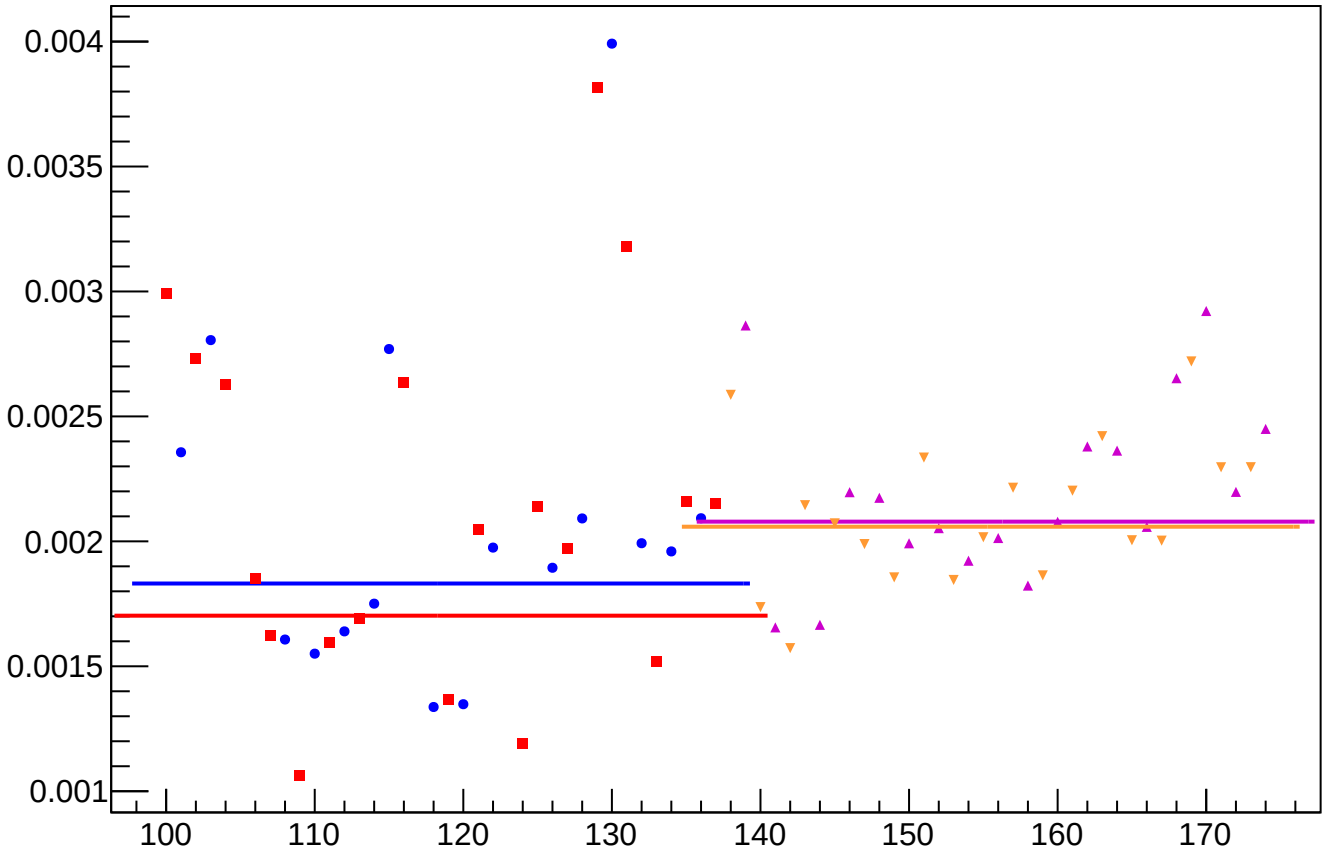
Left: -0.000+/-0.000 χ^2/NDF: 51.1/36

Right: -0.000+/-0.000 χ^2/NDF: 41.4/34

In: -0.000+/-0.000 χ^2/NDF:28.5/33

Out: -0.000+/-0.000 χ^2/NDF:64.7/37

All: -0.000+/-0.000 χ^2/NDF: 93.2/71



Right In: 0.002+/-0.000 χ^2/NDF: 900406.1/15

Left Out: 0.002+/-0.000 χ^2/NDF:479079.5/18

Right Out: 0.002+/-0.000 χ^2/NDF: 1478057.9/18

Left In: 0.002+/-0.000 χ^2/NDF:712401.1/17

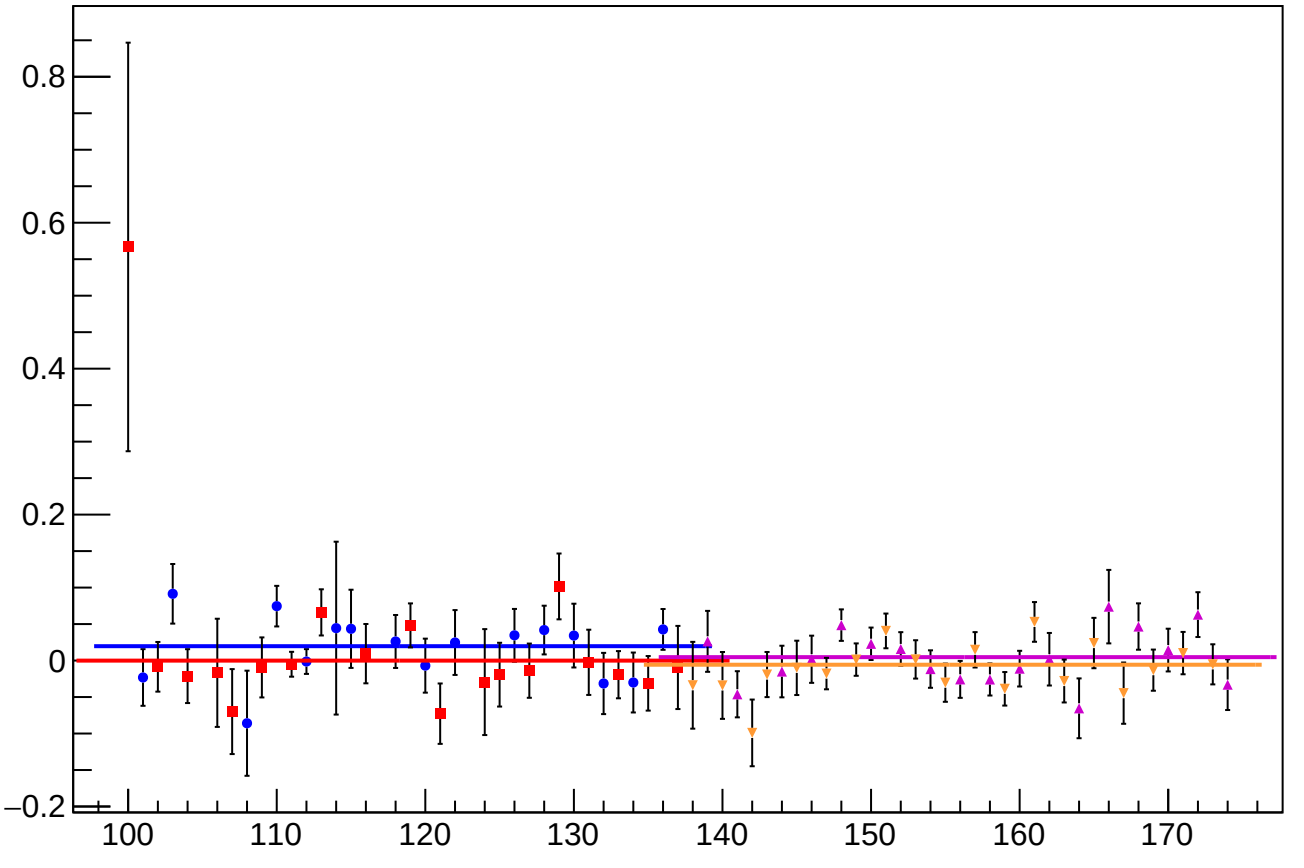
Left: 0.002+/-0.000 χ^2/NDF: 1192882.0/36

Right: 0.002+/-0.000 χ^2/NDF: 2413966.0/34

In: 0.002+/-0.000 χ^2/NDF:1766383.8/33

Out: 0.002+/-0.000 χ^2/NDF:2308009.9/37

All: 0.002+/-0.000 χ^2/NDF: 4101200.0/71



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

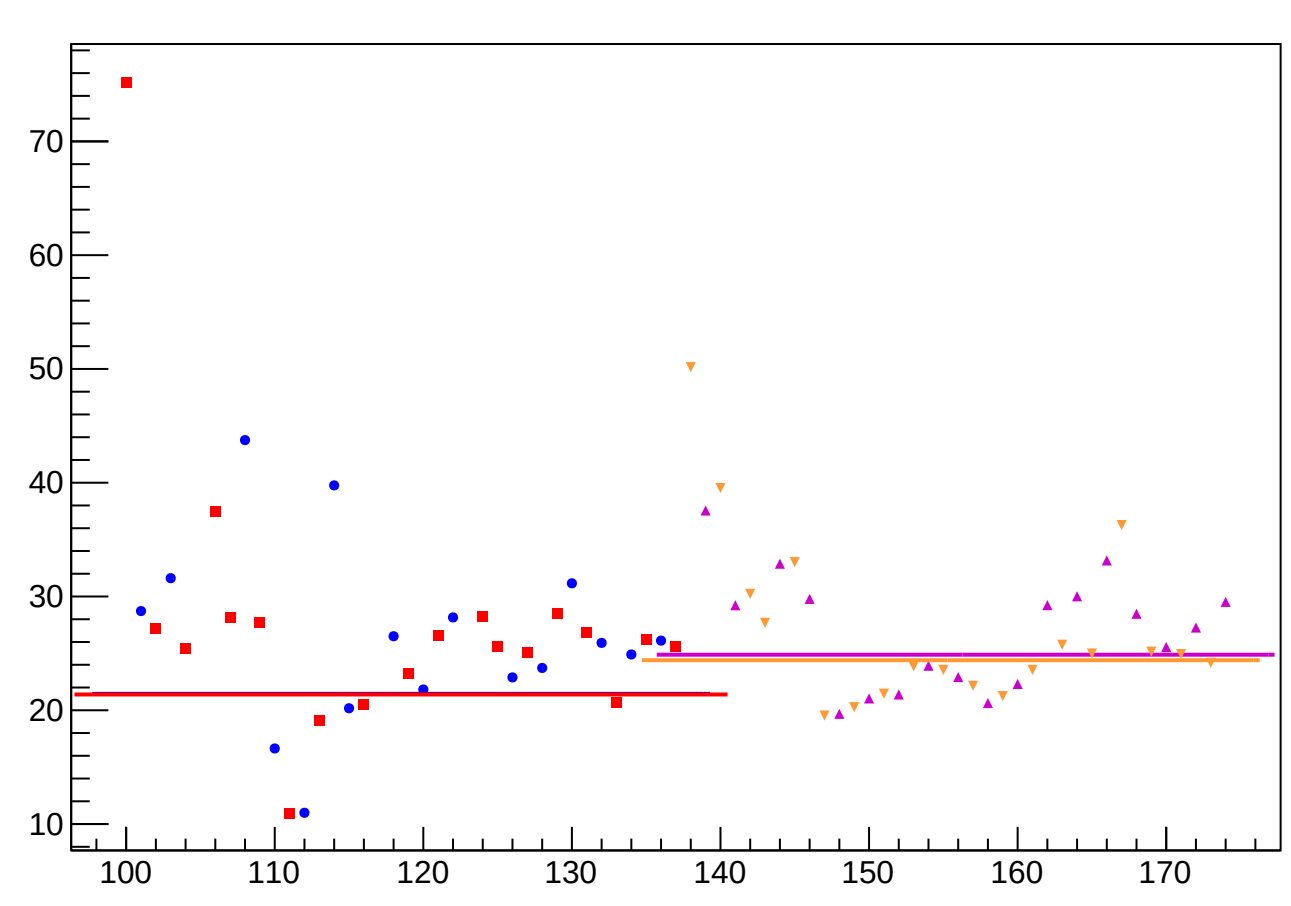
Left: -0.001+/-0.005 χ^2/NDF: 45.2/36

Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.003+/-0.004 χ^2/NDF: 89.5/71



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184436.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

Left: 24.636+/-0.003 χ^2/NDF: 2082650.4/36

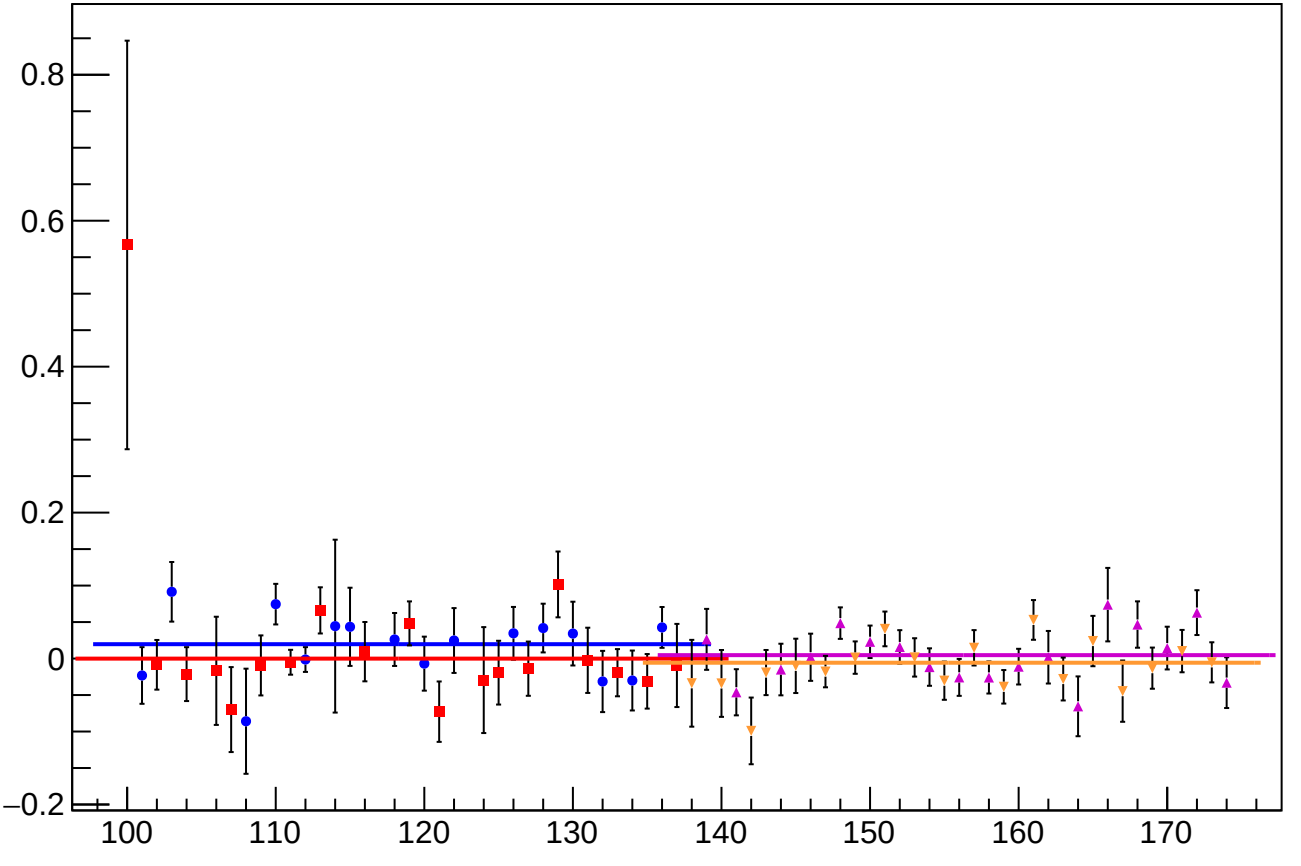
Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.590+/-0.004 χ^2/NDF:2629737.6/33

Out: 23.274+/-0.004 χ^2/NDF:2653426.2/37

All: 23.429+/-0.003 χ^2/NDF: 5286772.9/71

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.009 χ^2/NDF: 17.0/15

Left Out: -0.006+/-0.007 χ^2/NDF:20.1/18

Right Out: -0.000+/-0.009 χ^2/NDF: 22.8/18

Left In: 0.005+/-0.007 χ^2/NDF:23.9/17

Left: -0.001+/-0.005 χ^2/NDF: 45.2/36

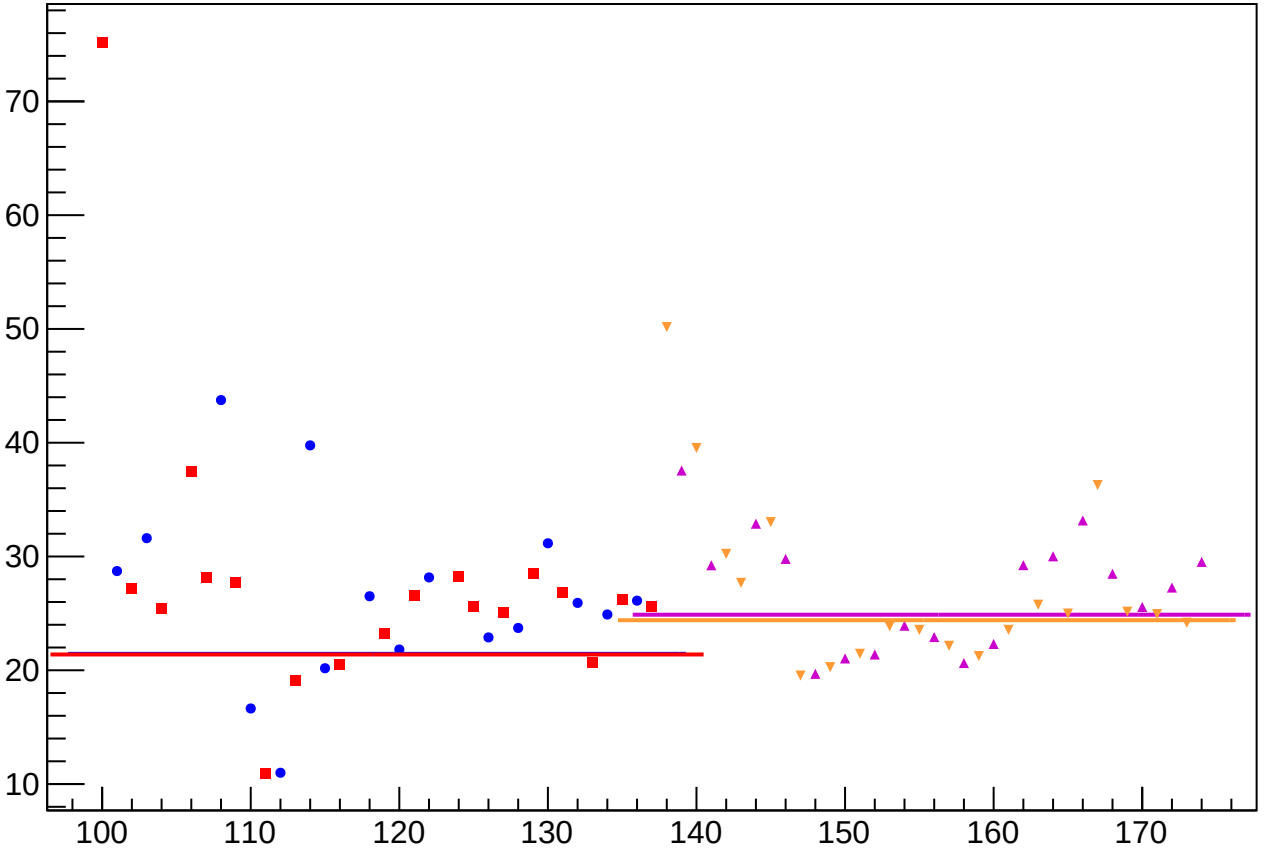
Right: 0.010+/-0.006 χ^2/NDF: 42.5/34

In: 0.010+/-0.005 χ^2/NDF:42.8/33

Out: -0.004+/-0.005 χ^2/NDF:43.3/37

All: 0.003+/-0.004 χ^2/NDF: 89.5/71

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.443+/-0.006 χ^2/NDF: 1540859.8/15

Left Out: 24.400+/-0.005 χ^2/NDF:1184436.1/18

Right Out: 21.389+/-0.006 χ^2/NDF: 1312055.7/18

Left In: 24.884+/-0.005 χ^2/NDF:892925.3/17

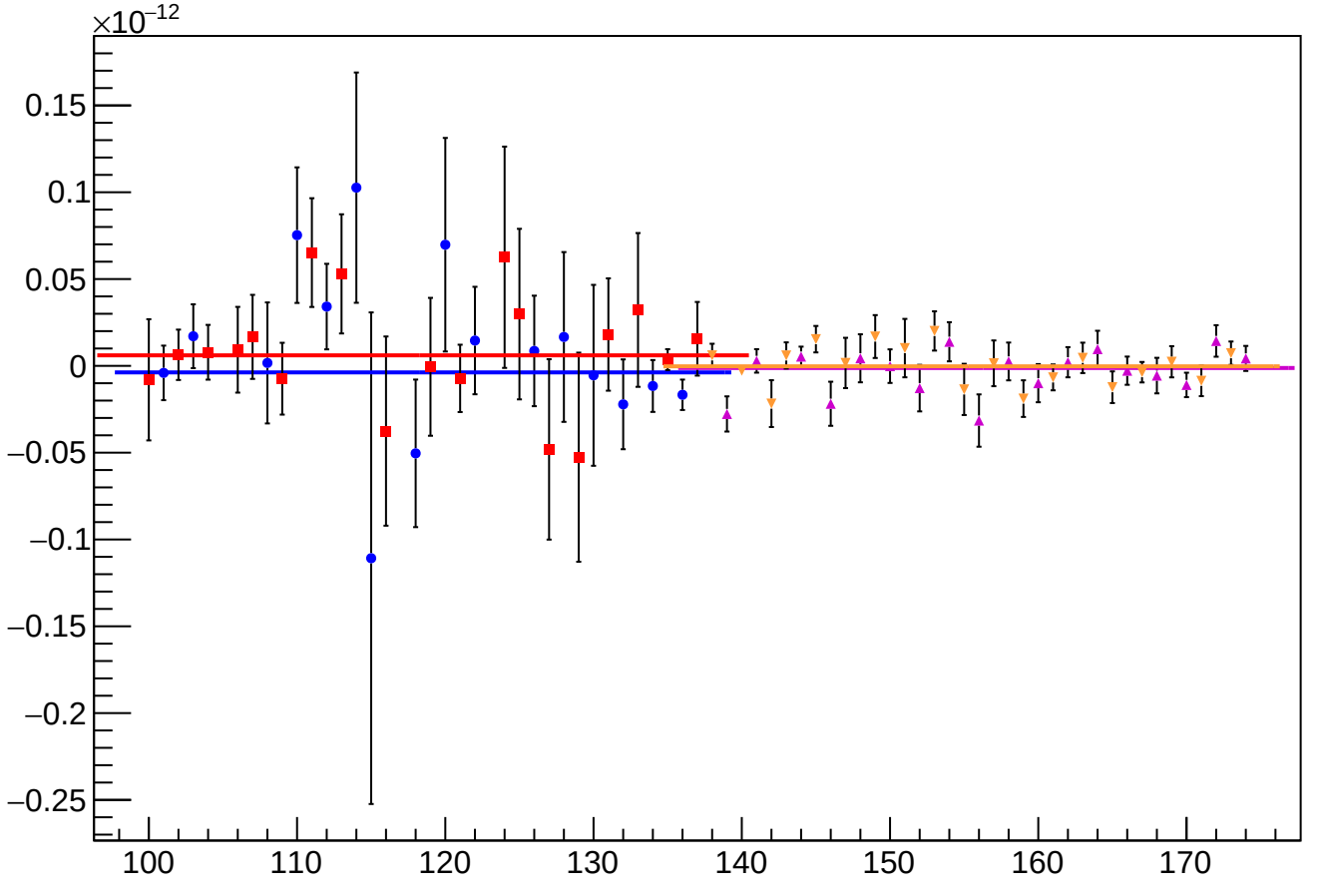
Left: 24.636+/-0.003 χ^2/NDF: 2082650.4/36

Right: 21.415+/-0.004 χ^2/NDF: 2852955.1/34

In: 23.590+/-0.004 χ^2/NDF:2629737.6/33

Out: 23.274+/-0.004 χ^2/NDF:2653426.2/37

All: 23.429+/-0.003 χ^2/NDF: 5286772.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.3/18

Left In: -0.000+/-0.000 χ^2/NDF:25.5/17

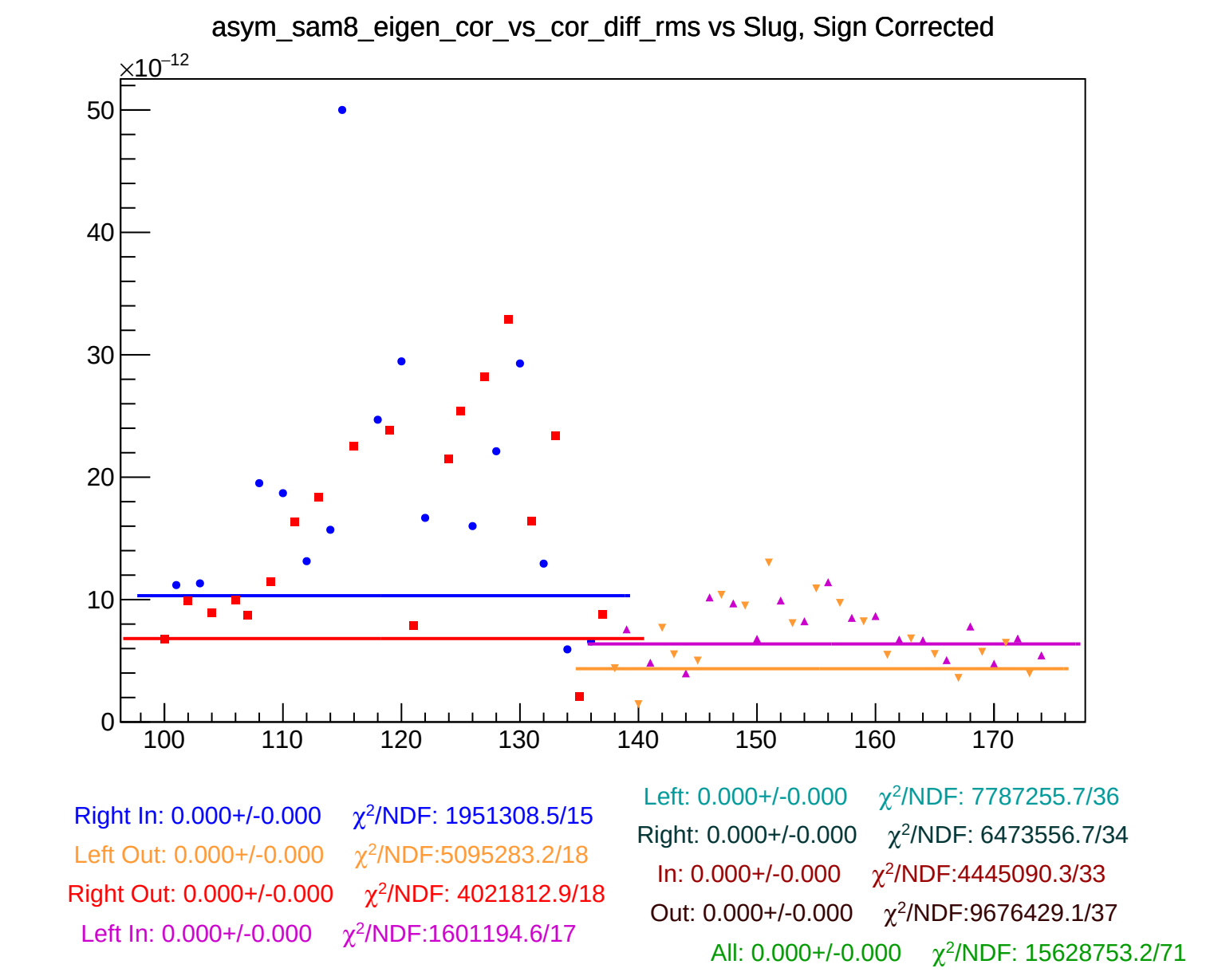
Left: -0.000+/-0.000 χ^2/NDF: 49.6/36

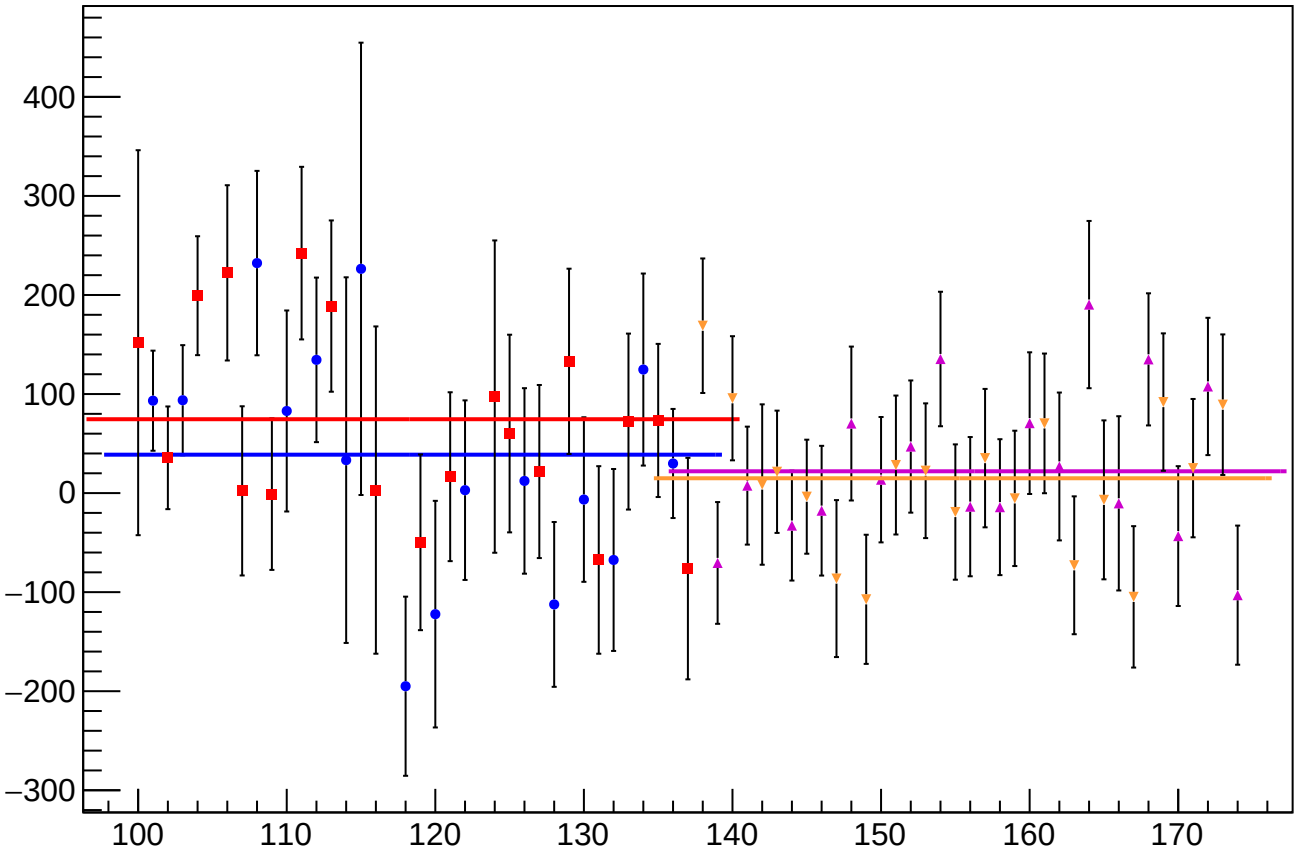
Right: 0.000+/-0.000 χ^2/NDF: 30.5/34

In: -0.000+/-0.000 χ^2/NDF:42.9/33

Out: 0.000+/-0.000 χ^2/NDF:37.1/37

All: -0.000+/-0.000 χ^2/NDF: 80.7/71


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:5095283.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 4021812.9/18
Left In: 0.000+/-0.000 χ²/NDF:1601194.6/17
Left: 0.000+/-0.000 χ²/NDF: 7787255.7/36
Right: 0.000+/-0.000 χ²/NDF: 6473556.7/34
In: 0.000+/-0.000 χ²/NDF:4445090.3/33
Out: 0.000+/-0.000 χ²/NDF:9676429.1/37
All: 0.000+/-0.000 χ²/NDF: 15628753.2/71



Right In: 38.782+/-20.413 χ^2/NDF: 23.3/15

Left Out: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: 74.578+/-19.802 χ^2/NDF: 22.5/18

Left In: 22.024+/-16.101 χ^2/NDF:20.5/17

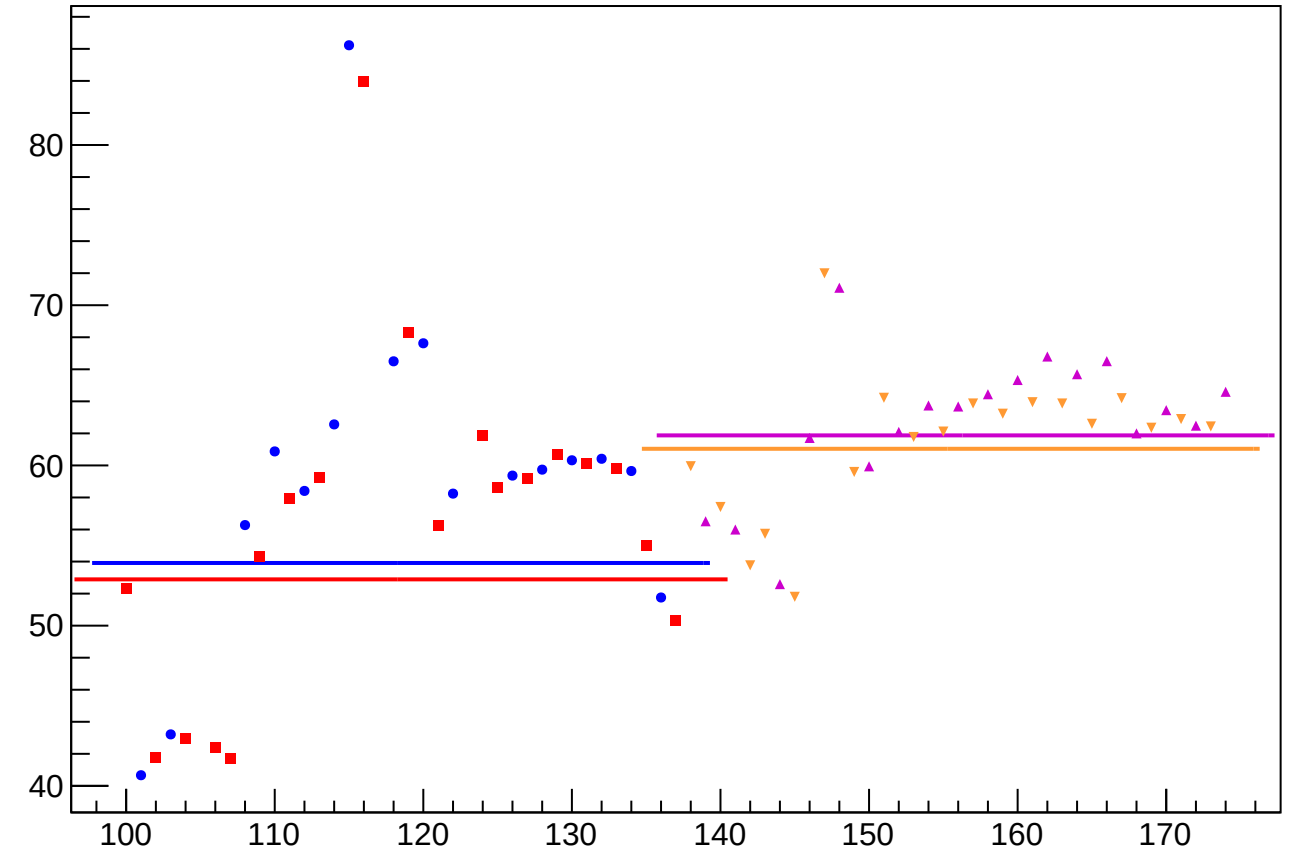
Left: 18.436+/-11.277 χ^2/NDF: 40.6/36

Right: 57.224+/-14.213 χ^2/NDF: 47.3/34

In: 28.451+/-12.642 χ^2/NDF:44.3/33

Out: 38.162+/-12.350 χ^2/NDF:48.0/37

All: 33.420+/-8.834 χ^2/NDF: 92.5/71



Right In: 53.912+/-0.014 χ^2/NDF: 393261.4/15

Left Out: 61.039+/-0.011 χ^2/NDF:153327.7/18

Right Out: 52.889+/-0.014 χ^2/NDF: 425226.7/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

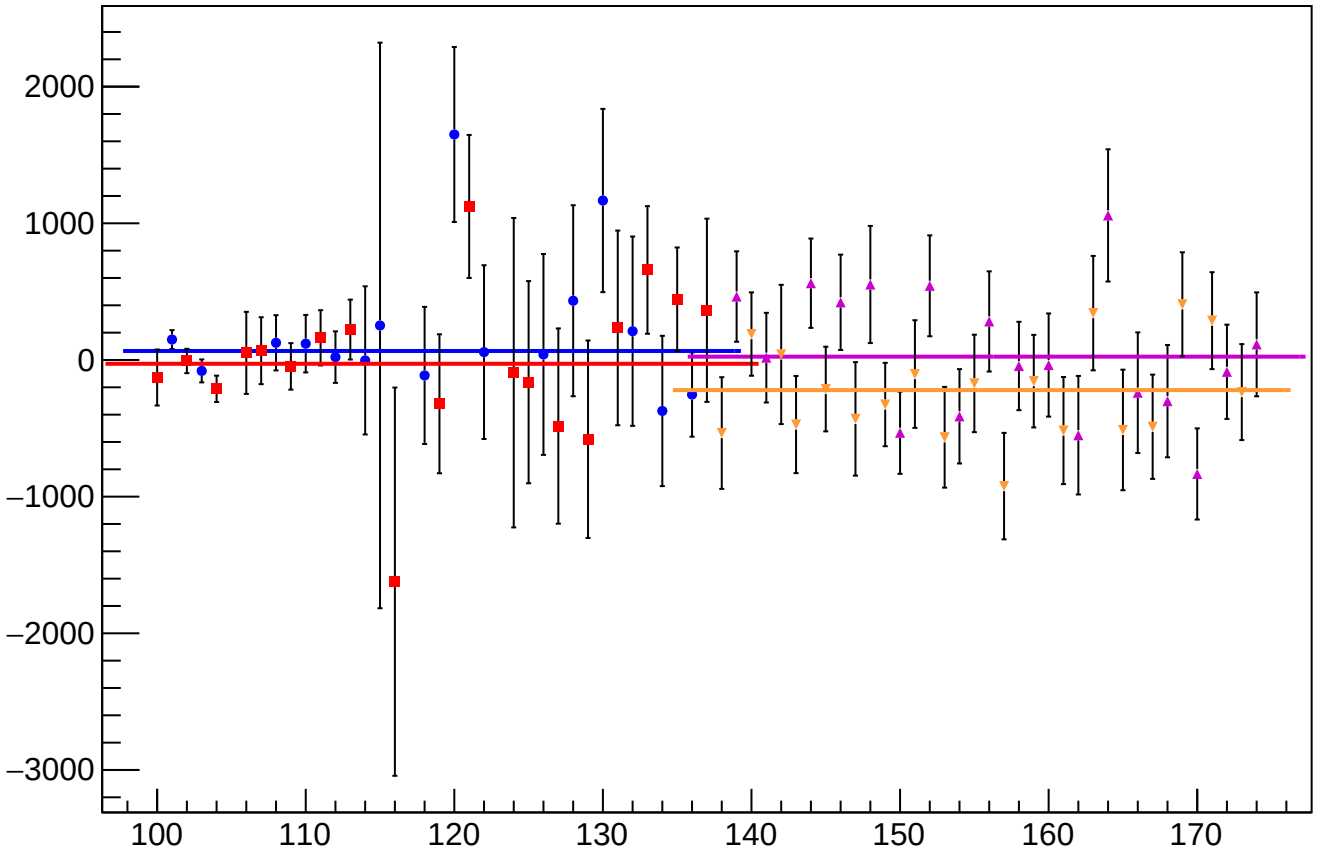
Left: 61.449+/-0.008 χ^2/NDF: 309582.6/36

Right: 53.385+/-0.010 χ^2/NDF: 821077.5/34

In: 58.821+/-0.009 χ^2/NDF:734399.9/33

Out: 57.869+/-0.009 χ^2/NDF:785568.2/37

All: 58.334+/-0.006 χ^2/NDF: 1525778.2/71



Right In: 65.853+/-46.478 χ^2/NDF: 15.7/15

Left Out: -220.497+/-84.627 χ^2/NDF:15.9/18

Right Out: -27.850+/-50.291 χ^2/NDF: 18.0/18

Left In: 24.306+/-85.365 χ^2/NDF:28.9/17

Left: -99.159+/-60.099 χ^2/NDF: 49.0/36

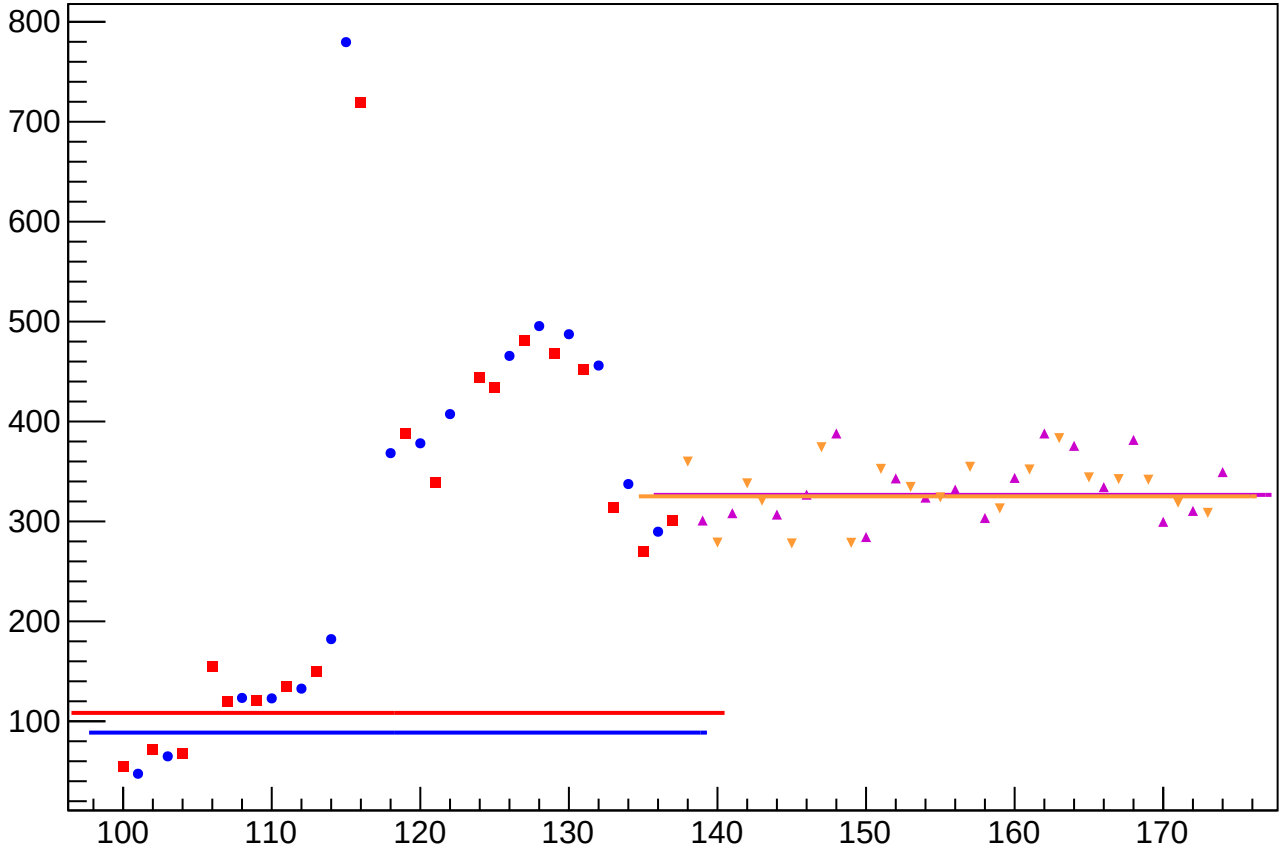
Right: 22.688+/-34.134 χ^2/NDF: 35.6/34

In: 56.353+/-40.820 χ^2/NDF:44.8/33

Out: -78.129+/-43.233 χ^2/NDF:37.7/37

All: -7.030+/-29.681 χ^2/NDF: 87.7/71

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 88.658+/-0.033 χ^2/NDF: 6648055.6/15

Left Out: 325.114+/-0.060 χ^2/NDF:272870.1/18

Right Out: 108.385+/-0.036 χ^2/NDF: 5362841.6/18

Left In: 326.582+/-0.060 χ^2/NDF:246677.2/17

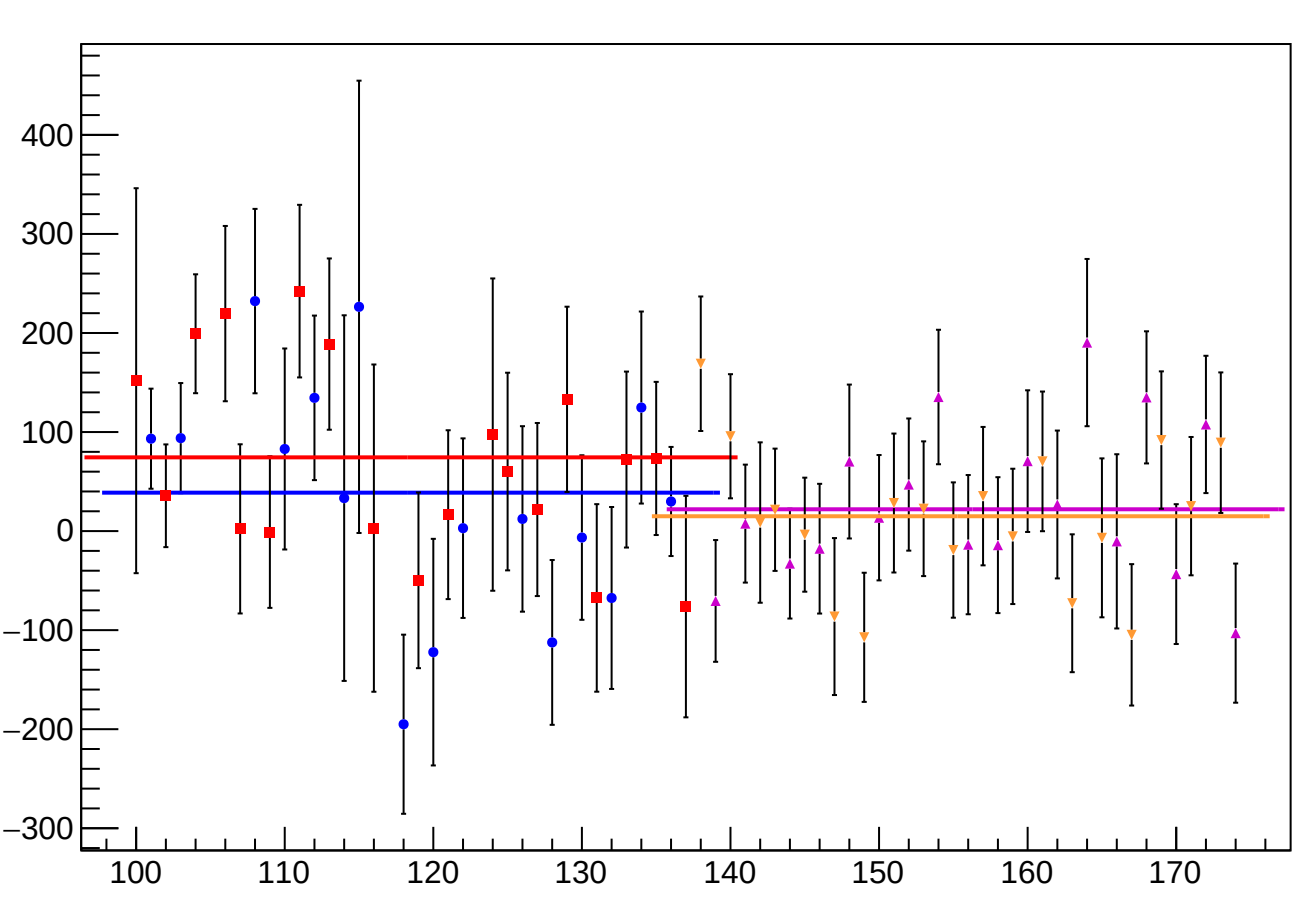
Left: 325.841+/-0.042 χ^2/NDF: 519845.7/36

Right: 97.745+/-0.024 χ^2/NDF: 12176874.0/34

In: 143.061+/-0.029 χ^2/NDF:18878501.8/33

Out: 164.949+/-0.031 χ^2/NDF:15329635.1/37

All: 153.377+/-0.021 χ^2/NDF: 34479148.8/71



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.023+/-16.101 χ^2/NDF:20.5/17

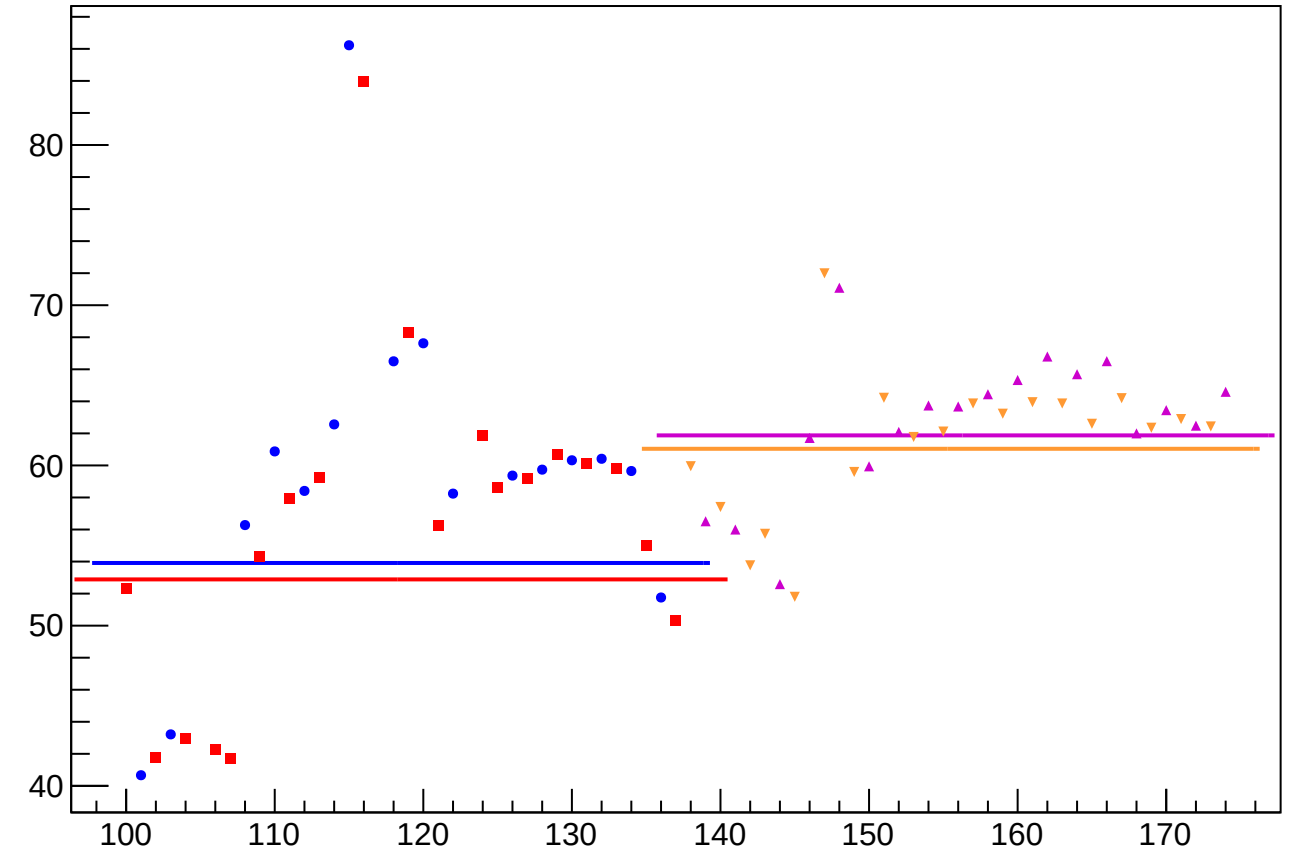
Left: 18.435+/-11.277 χ^2/NDF: 40.6/36

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.455+/-12.642 χ^2/NDF:44.3/33

Out: 38.107+/-12.350 χ^2/NDF:47.8/37

All: 33.394+/-8.834 χ^2/NDF: 92.4/71



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.039+/-0.011 χ^2/NDF:153327.7/18

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

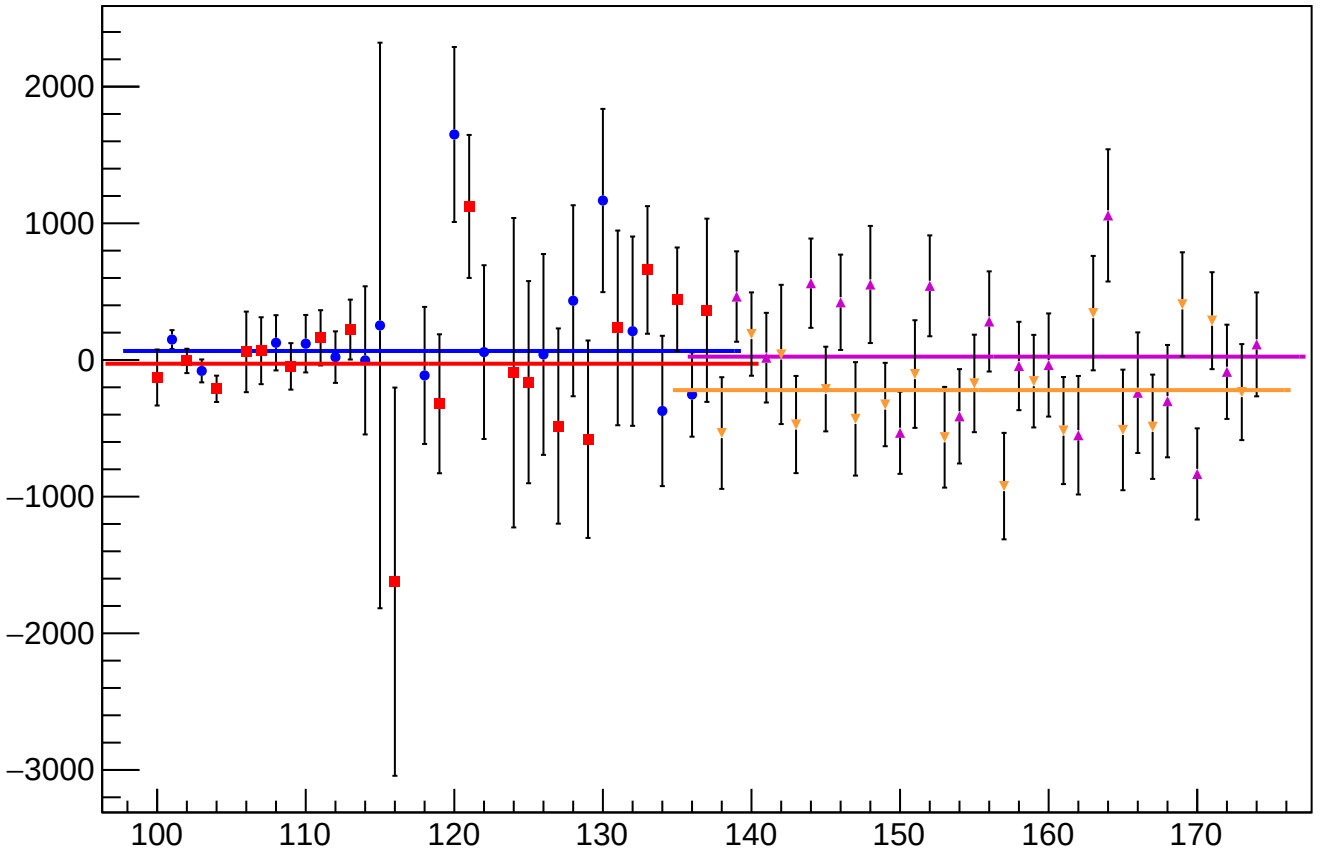
Left: 61.449+/-0.008 χ^2/NDF: 309582.6/36

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

In: 58.821+/-0.009 χ^2/NDF:734398.9/33

Out: 57.868+/-0.009 χ^2/NDF:785971.9/37

All: 58.334+/-0.006 χ^2/NDF: 1526188.1/71



Right In: 65.857+/-46.477 χ^2/NDF: 15.7/15

Left Out: -220.497+/-84.627 χ^2/NDF:15.9/18

Right Out: -27.406+/-50.249 χ^2/NDF: 18.0/18

Left In: 24.303+/-85.365 χ^2/NDF:28.9/17

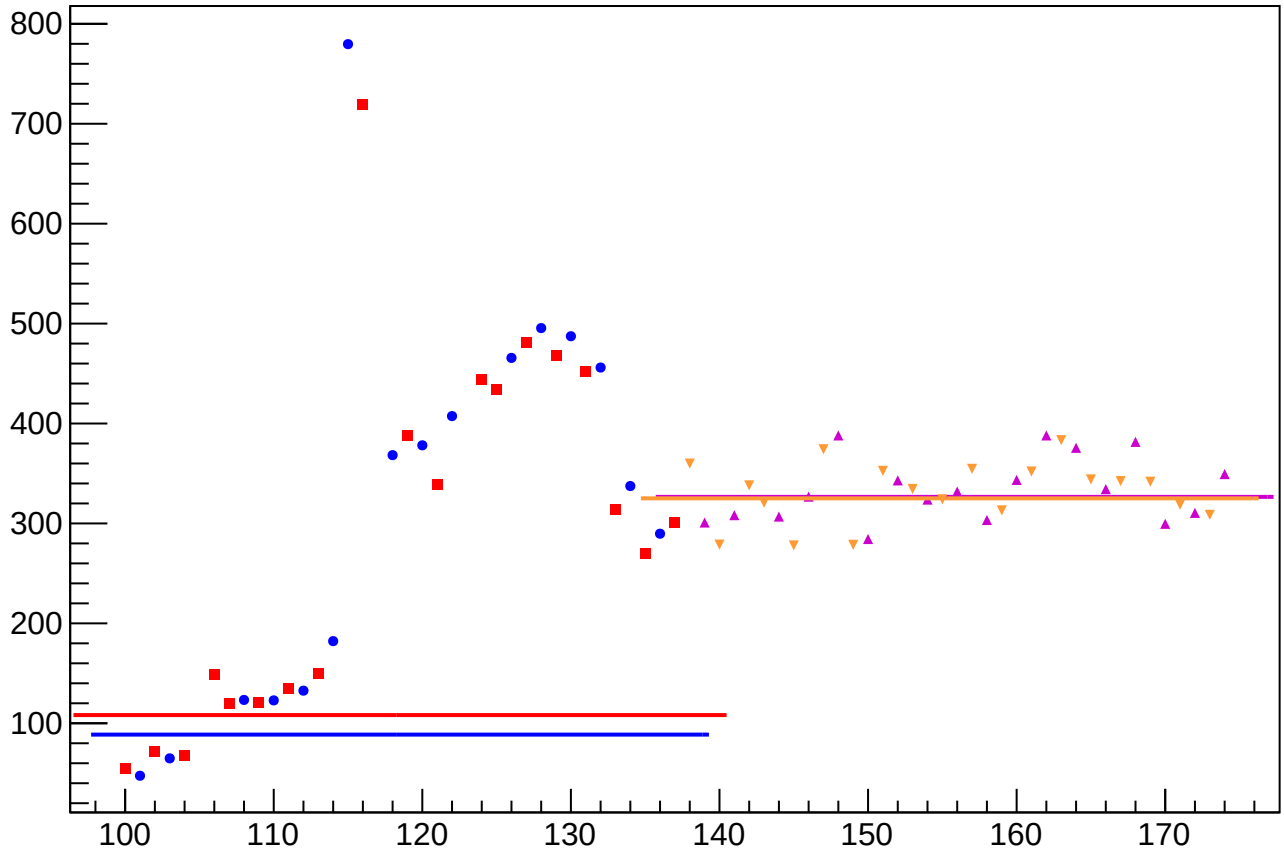
Left: -99.160+/-60.099 χ^2/NDF: 49.0/36

Right: 22.856+/-34.120 χ^2/NDF: 35.6/34

In: 56.356+/-40.819 χ^2/NDF:44.8/33

Out: -77.737+/-43.206 χ^2/NDF:37.8/37

All: -6.885+/-29.672 χ^2/NDF: 87.7/71



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.114+/-0.060 χ^2/NDF:272868.7/18

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

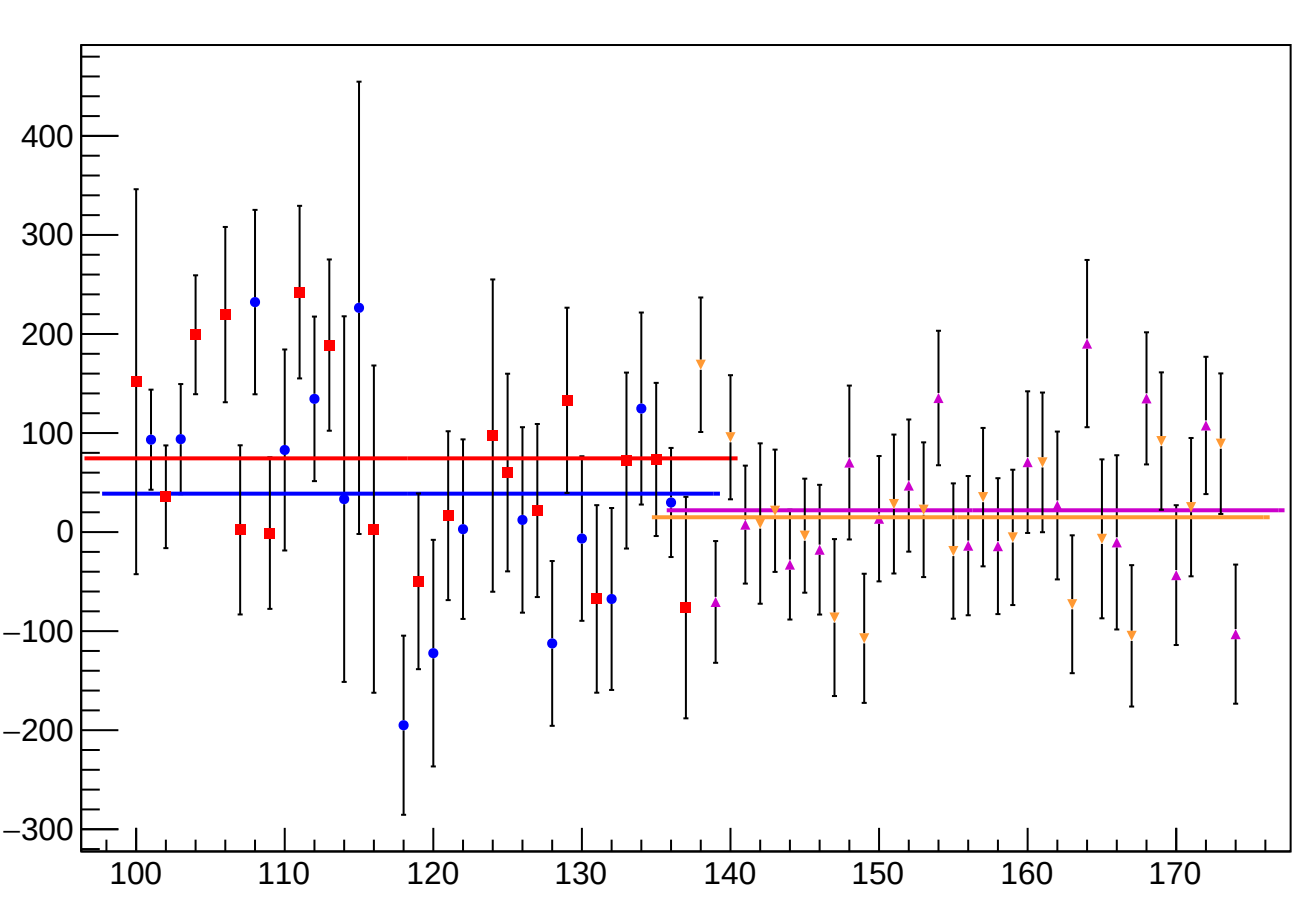
Left: 325.841+/-0.042 χ^2/NDF: 519849.2/36

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 143.058+/-0.029 χ^2/NDF:18878951.1/33

Out: 164.746+/-0.031 χ^2/NDF:15341955.9/37

All: 153.286+/-0.021 χ^2/NDF: 34487187.0/71



Right In: 38.794+/-20.413 χ^2/NDF: 23.3/15

Left Out: 14.981+/-15.799 χ^2/NDF:20.0/18

Right Out: 74.442+/-19.803 χ^2/NDF: 22.3/18

Left In: 22.023+/-16.101 χ^2/NDF:20.5/17

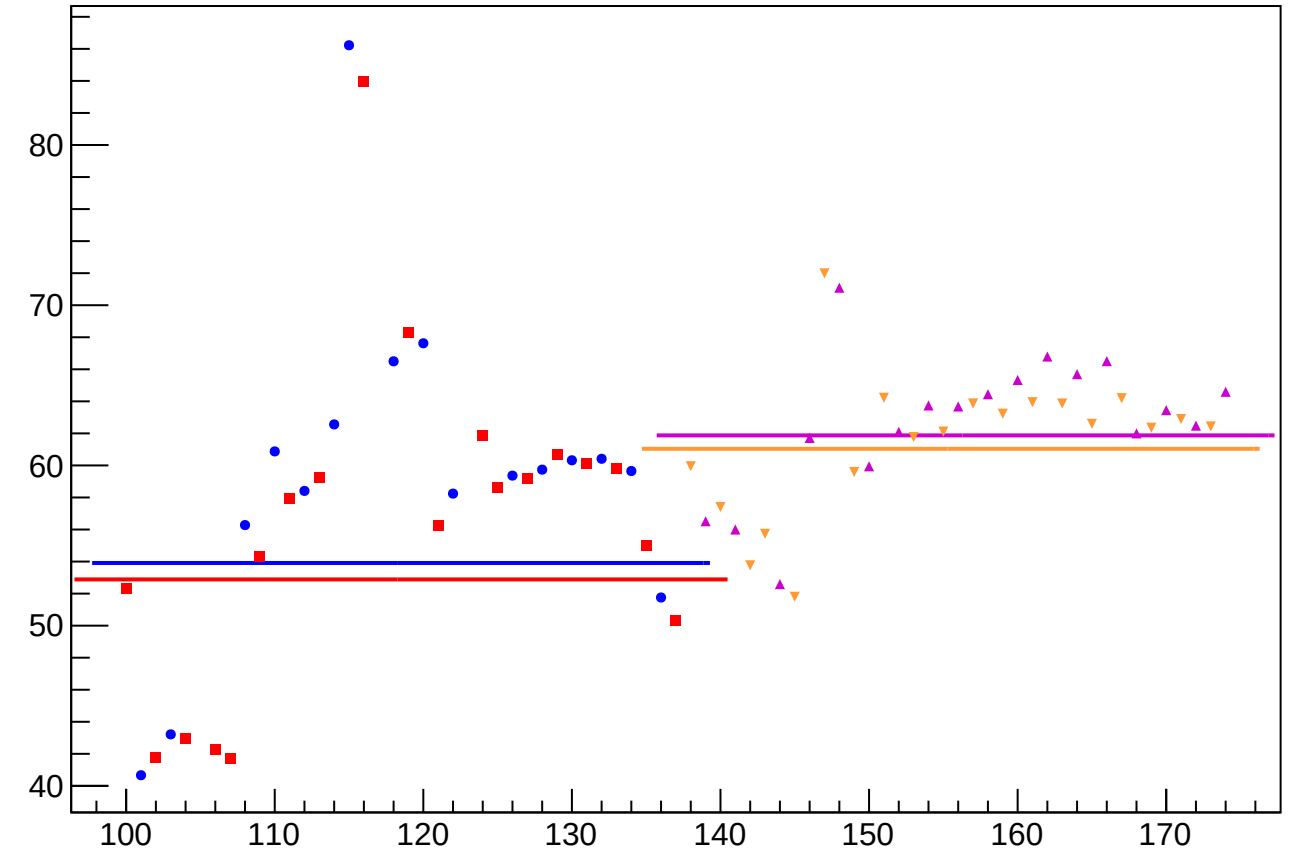
Left: 18.435+/-11.277 χ^2/NDF: 40.6/36

Right: 57.159+/-14.214 χ^2/NDF: 47.2/34

In: 28.455+/-12.642 χ^2/NDF:44.3/33

Out: 38.107+/-12.350 χ^2/NDF:47.8/37

All: 33.394+/-8.834 χ^2/NDF: 92.4/71



Right In: 53.912+/-0.014 χ^2/NDF: 393260.8/15

Left Out: 61.039+/-0.011 χ^2/NDF:153327.7/18

Right Out: 52.887+/-0.014 χ^2/NDF: 425534.3/18

Left In: 61.875+/-0.011 χ^2/NDF:153503.5/17

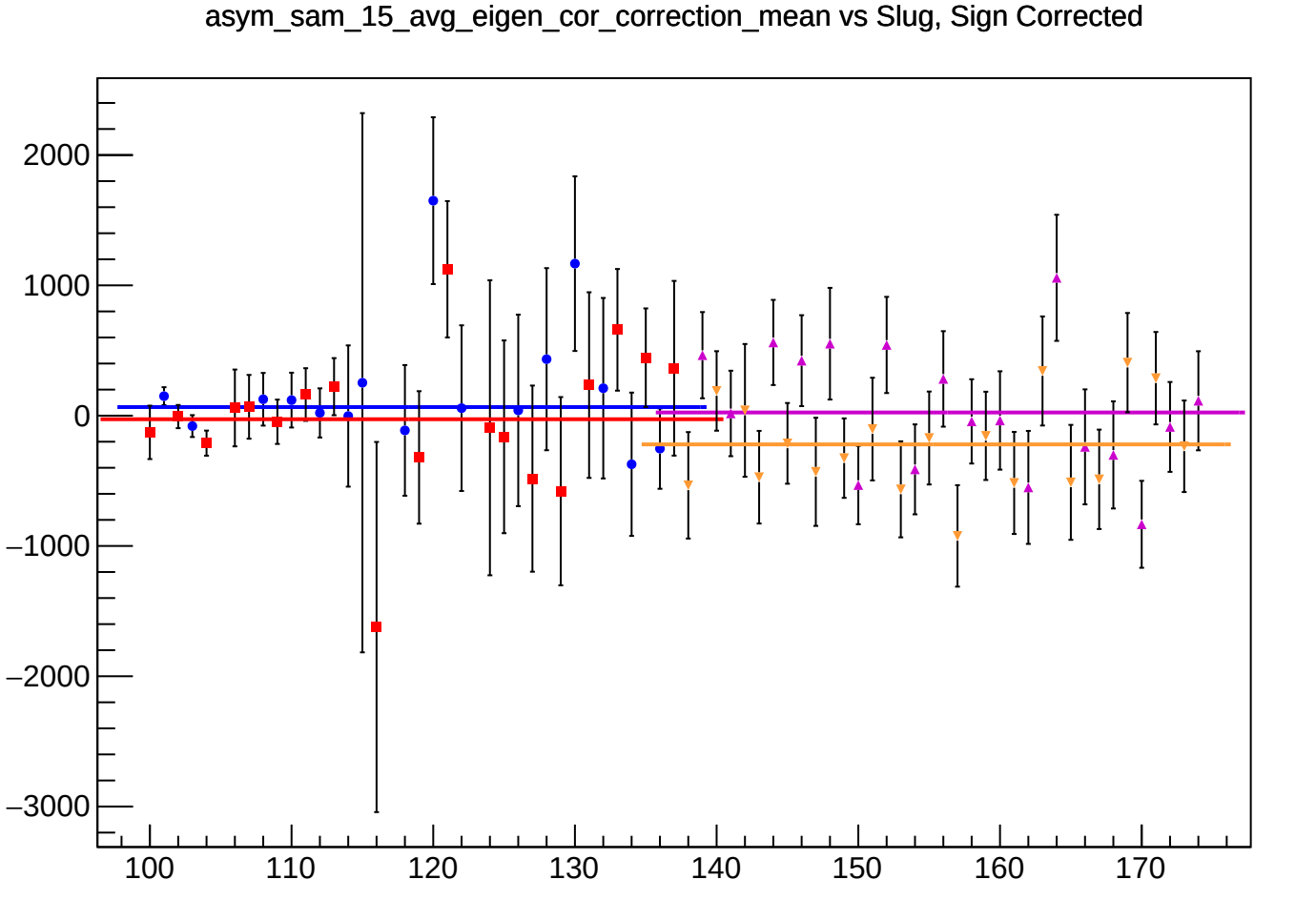
Left: 61.449+/-0.008 χ^2/NDF: 309582.6/36

Right: 53.384+/-0.010 χ^2/NDF: 821395.7/34

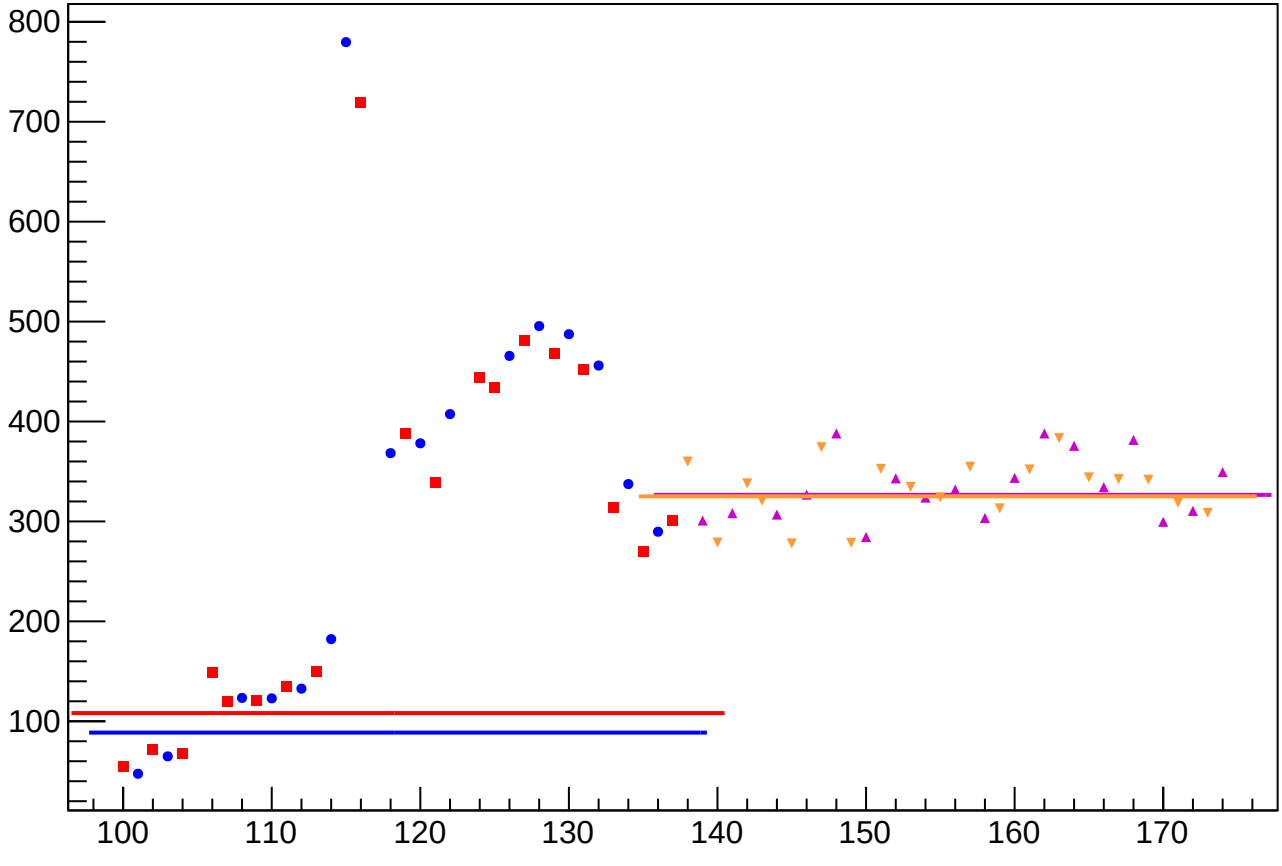
In: 58.821+/-0.009 χ^2/NDF:734398.9/33

Out: 57.868+/-0.009 χ^2/NDF:785971.9/37

All: 58.334+/-0.006 χ^2/NDF: 1526188.1/71


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: -220.497+/-84.627 χ²/NDF:15.9/18
Right Out: -27.406+/-50.249 χ²/NDF: 18.0/18
Left In: 24.303+/-85.365 χ²/NDF:28.9/17
Left: -99.160+/-60.099 χ²/NDF: 49.0/36
Right: 22.856+/-34.120 χ²/NDF: 35.6/34
In: 56.356+/-40.819 χ²/NDF:44.8/33
Out: -77.737+/-43.206 χ²/NDF:37.8/37
All: -6.885+/-29.672 χ²/NDF: 87.7/71

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 88.655+/-0.033 χ^2/NDF: 6648135.5/15

Left Out: 325.114+/-0.060 χ^2/NDF:272868.7/18

Right Out: 108.207+/-0.036 χ^2/NDF: 5354864.8/18

Left In: 326.582+/-0.060 χ^2/NDF:246682.3/17

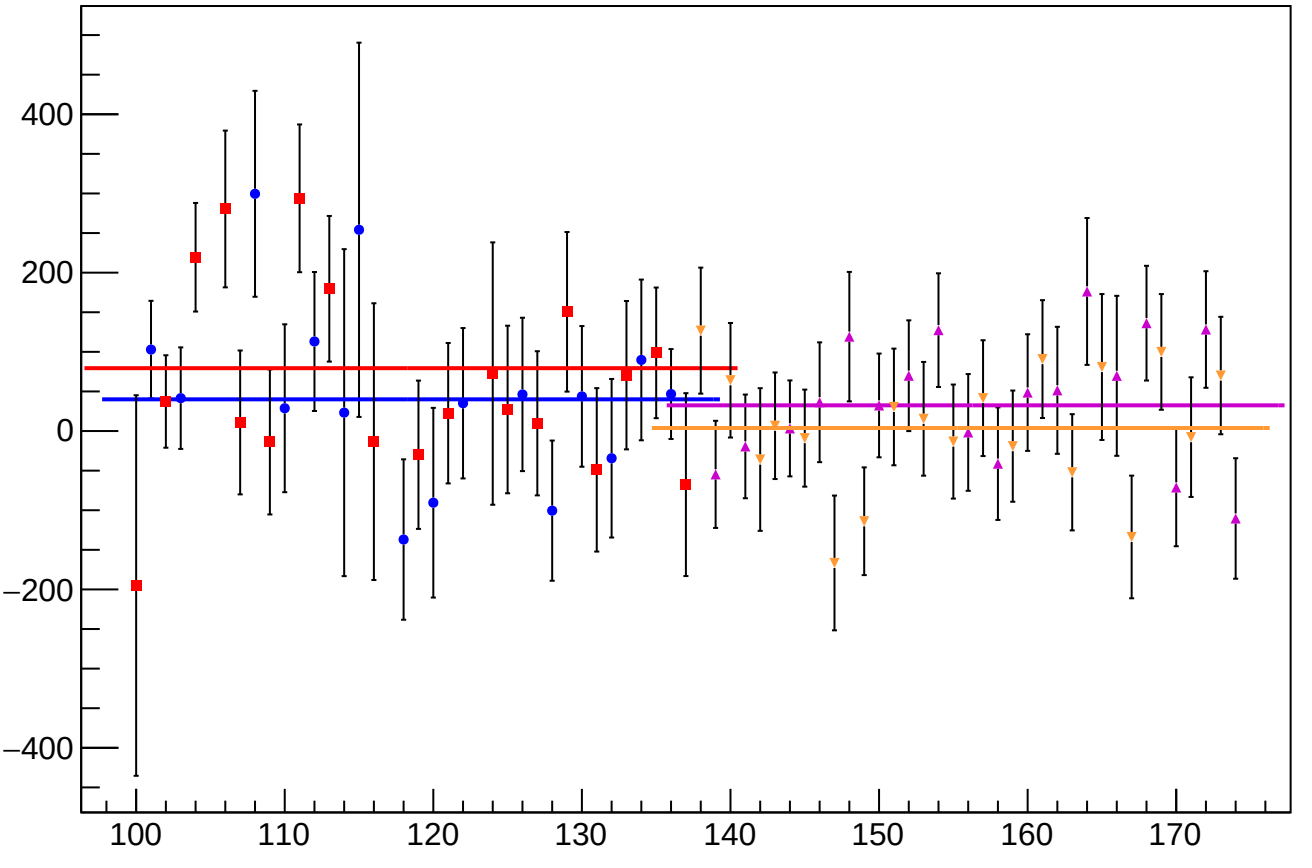
Left: 325.841+/-0.042 χ^2/NDF: 519849.2/36

Right: 97.670+/-0.024 χ^2/NDF: 12166180.8/34

In: 143.058+/-0.029 χ^2/NDF:18878951.1/33

Out: 164.746+/-0.031 χ^2/NDF:15341955.9/37

All: 153.286+/-0.021 χ^2/NDF: 34487187.0/71



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.840+/-16.975 χ^2/NDF:19.3/18

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 32.460+/-17.287 χ^2/NDF:18.8/17

Left: 17.890+/-12.112 χ^2/NDF: 39.5/36

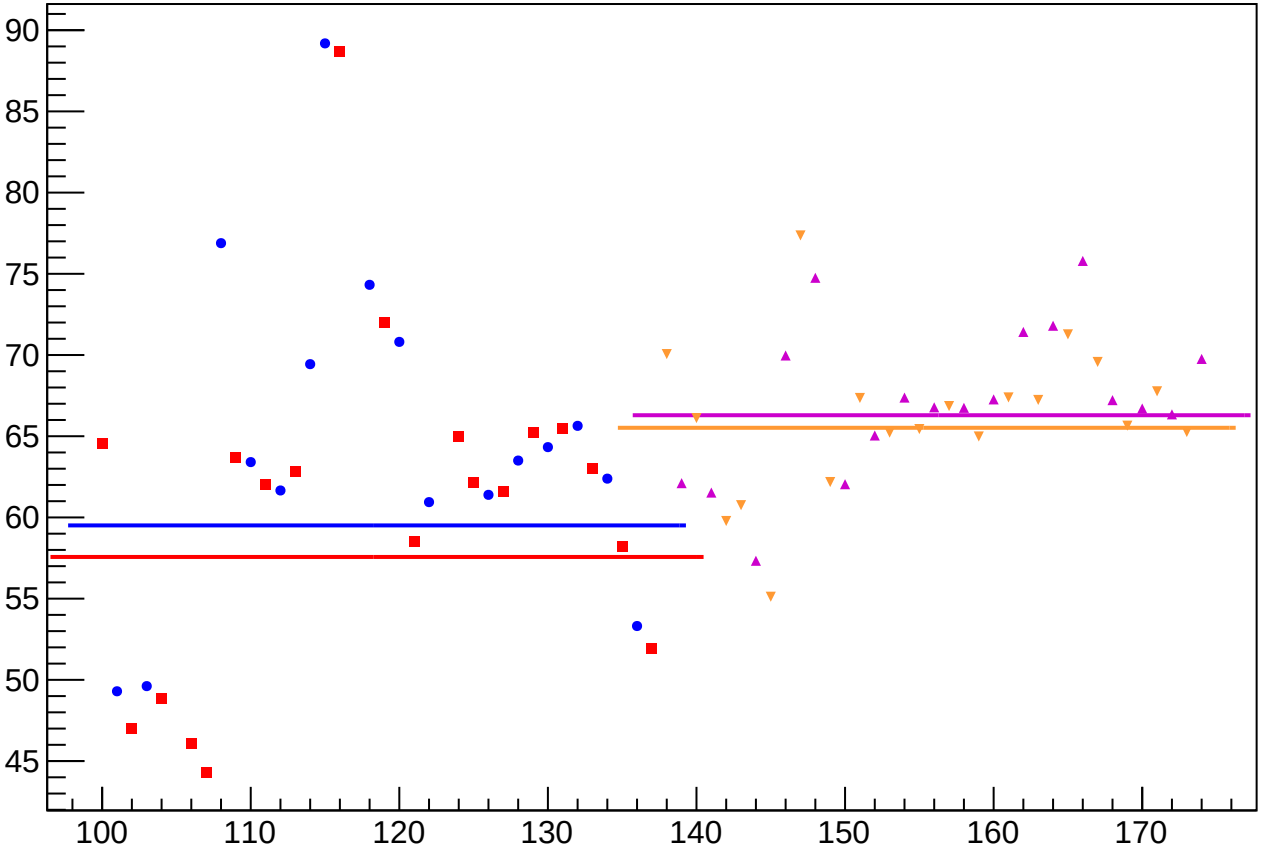
Right: 60.541+/-15.578 χ^2/NDF: 40.5/34

In: 35.268+/-13.711 χ^2/NDF:33.0/33

Out: 32.719+/-13.341 χ^2/NDF:51.7/37

All: 33.959+/-9.562 χ^2/NDF: 84.7/71

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 59.509+/-0.016 χ^2/NDF: 283192.7/15

Left Out: 65.520+/-0.012 χ^2/NDF:145520.2/18

Right Out: 57.567+/-0.015 χ^2/NDF: 347377.8/18

Left In: 66.293+/-0.012 χ^2/NDF:135658.6/17

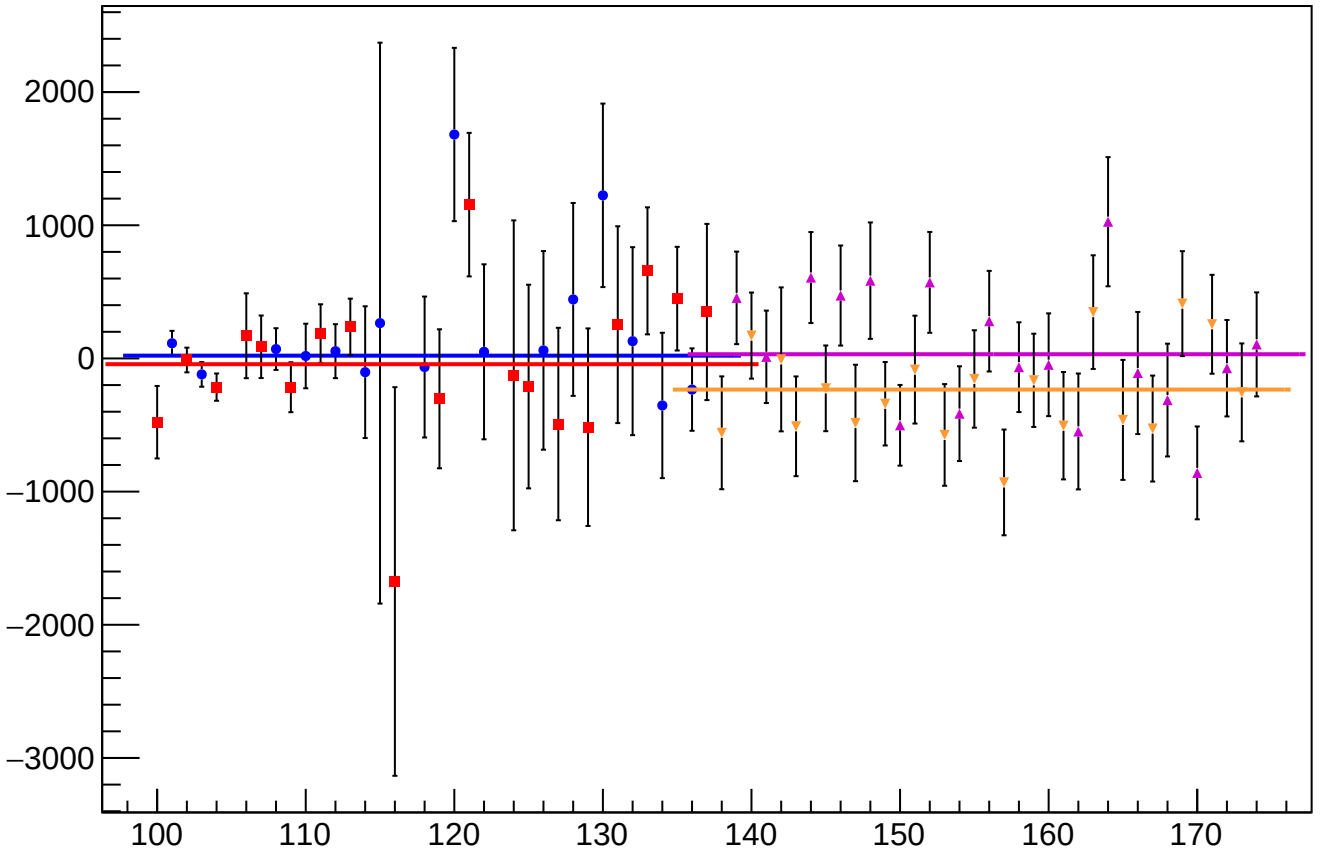
Left: 65.899+/-0.009 χ^2/NDF: 283215.9/36

Right: 58.497+/-0.011 χ^2/NDF: 638326.1/34

In: 63.777+/-0.010 χ^2/NDF:533095.5/33

Out: 62.479+/-0.009 χ^2/NDF:660727.5/37

All: 63.110+/-0.007 χ^2/NDF: 1203023.4/71



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -233.845+/-87.808 χ^2/NDF:15.0/18

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 31.574+/-88.373 χ^2/NDF:28.0/17

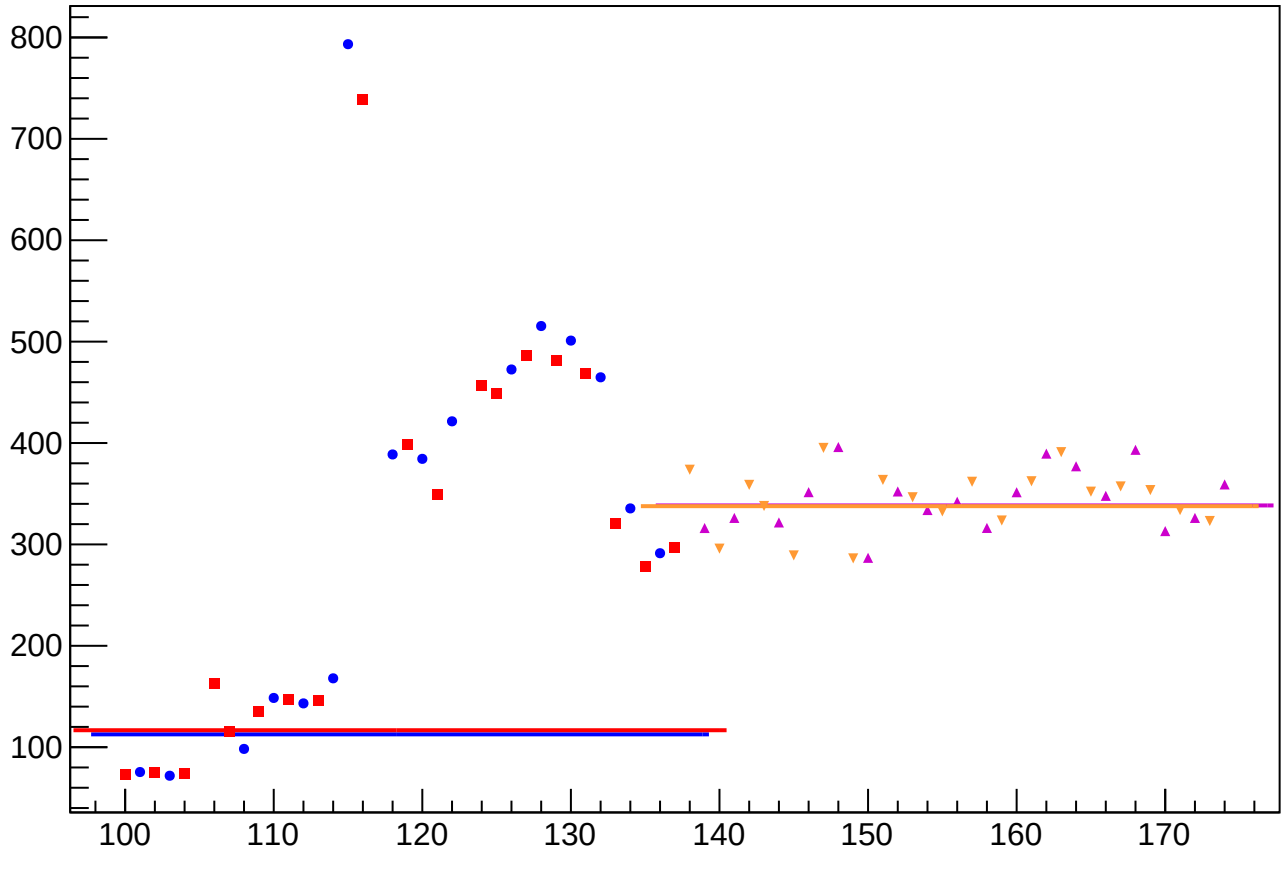
Left: -101.988+/-62.288 χ^2/NDF: 47.5/36

Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 23.726+/-45.820 χ^2/NDF:42.6/33

Out: -94.450+/-45.507 χ^2/NDF:39.9/37

All: -35.768+/-32.288 χ^2/NDF: 85.9/71



Right In: 112.668+/-0.038 χ^2/NDF: 5599655.1/15

Left Out: 337.714+/-0.062 χ^2/NDF:257416.1/18

Right Out: 116.733+/-0.038 χ^2/NDF: 5141387.7/18

Left In: 338.438+/-0.062 χ^2/NDF:218092.1/17

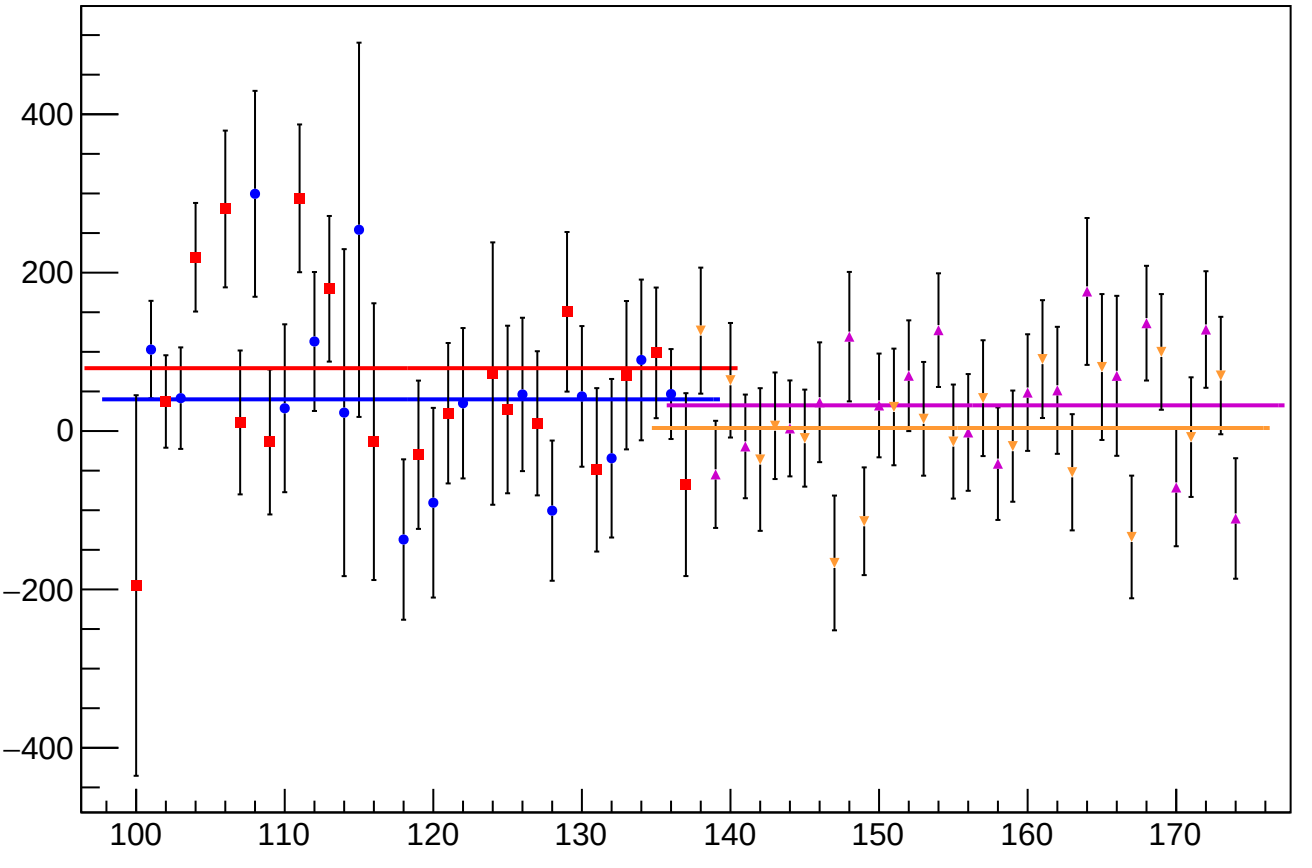
Left: 338.074+/-0.044 χ^2/NDF: 475575.7/36

Right: 114.715+/-0.027 χ^2/NDF: 10746836.7/34

In: 173.361+/-0.032 χ^2/NDF:15362012.7/33

Out: 176.086+/-0.032 χ^2/NDF:14663652.4/37

All: 174.733+/-0.023 χ^2/NDF: 30029226.4/71



Right In: 40.030+/-22.515 χ^2/NDF: 14.1/15

Left Out: 3.840+/-16.975 χ^2/NDF:19.3/18

Right Out: 79.378+/-21.577 χ^2/NDF: 24.8/18

Left In: 32.460+/-17.287 χ^2/NDF:18.8/17

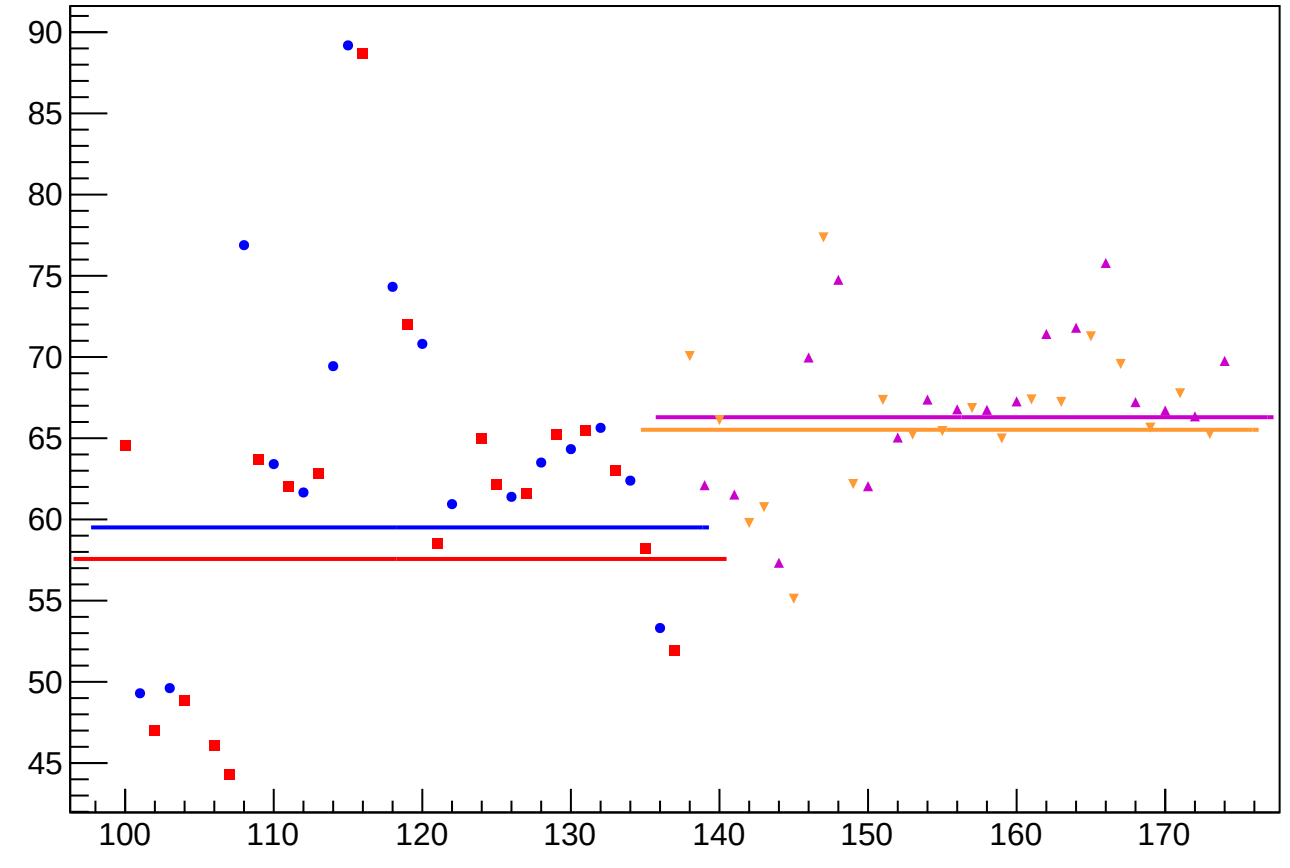
Left: 17.890+/-12.112 χ^2/NDF: 39.5/36

Right: 60.540+/-15.578 χ^2/NDF: 40.5/34

In: 35.268+/-13.711 χ^2/NDF:33.0/33

Out: 32.719+/-13.341 χ^2/NDF:51.7/37

All: 33.959+/-9.562 χ^2/NDF: 84.7/71



Right In: 59.509+/-0.016 χ^2/NDF: 283190.4/15

Left Out: 65.520+/-0.012 χ^2/NDF:145522.2/18

Right Out: 57.567+/-0.015 χ^2/NDF: 347374.2/18

Left In: 66.293+/-0.012 χ^2/NDF:135655.2/17

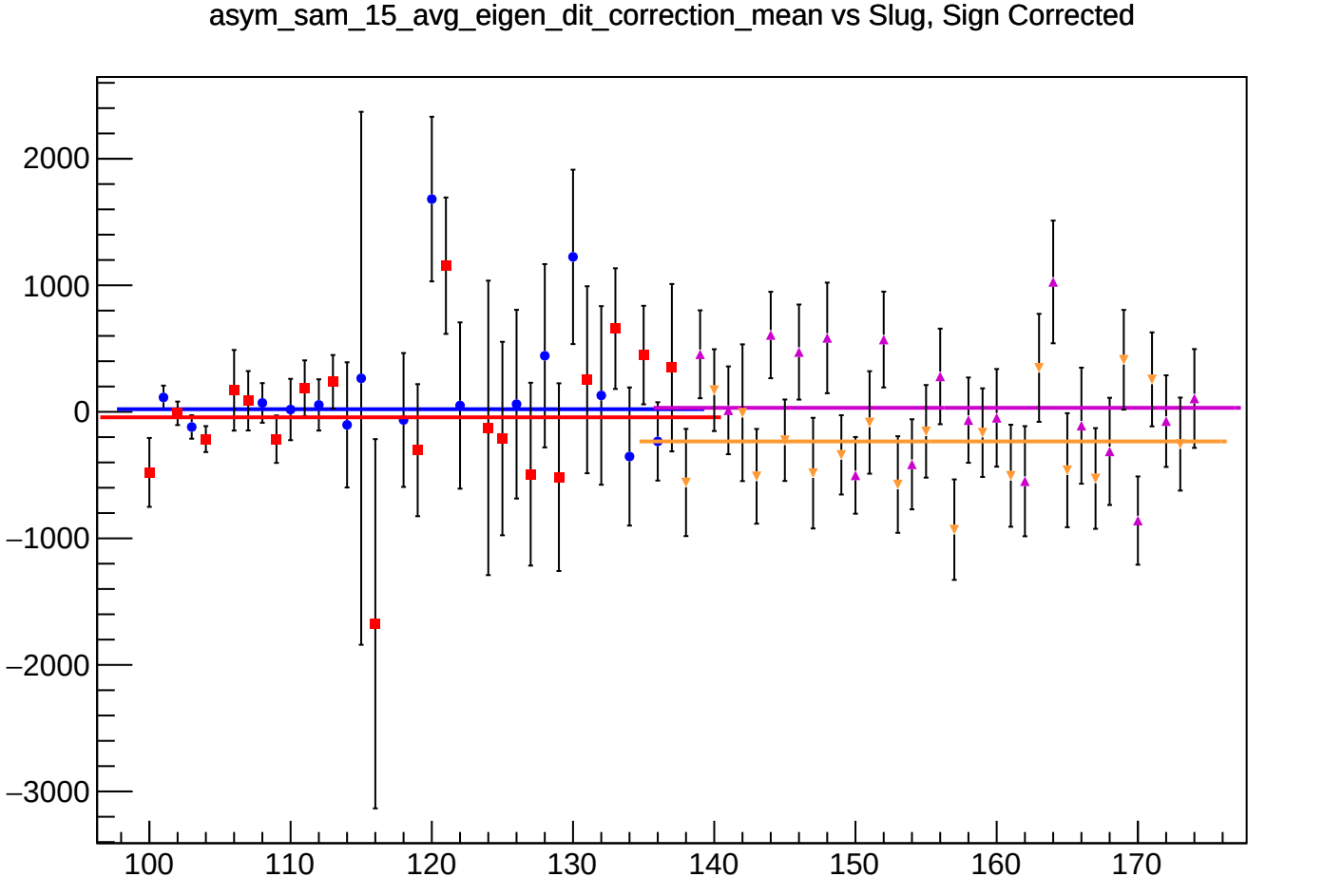
Left: 65.899+/-0.009 χ^2/NDF: 283214.7/36

Right: 58.496+/-0.011 χ^2/NDF: 638320.1/34

In: 63.777+/-0.010 χ^2/NDF:533098.3/33

Out: 62.479+/-0.009 χ^2/NDF:660734.0/37

All: 63.110+/-0.007 χ^2/NDF: 1203033.2/71



Right In: 20.840+/-53.585 χ^2/NDF: 14.6/15

Left Out: -233.844+/-87.808 χ^2/NDF:15.0/18

Right Out: -43.262+/-53.210 χ^2/NDF: 21.5/18

Left In: 31.573+/-88.373 χ^2/NDF:28.0/17

Left: -101.987+/-62.289 χ^2/NDF: 47.5/36

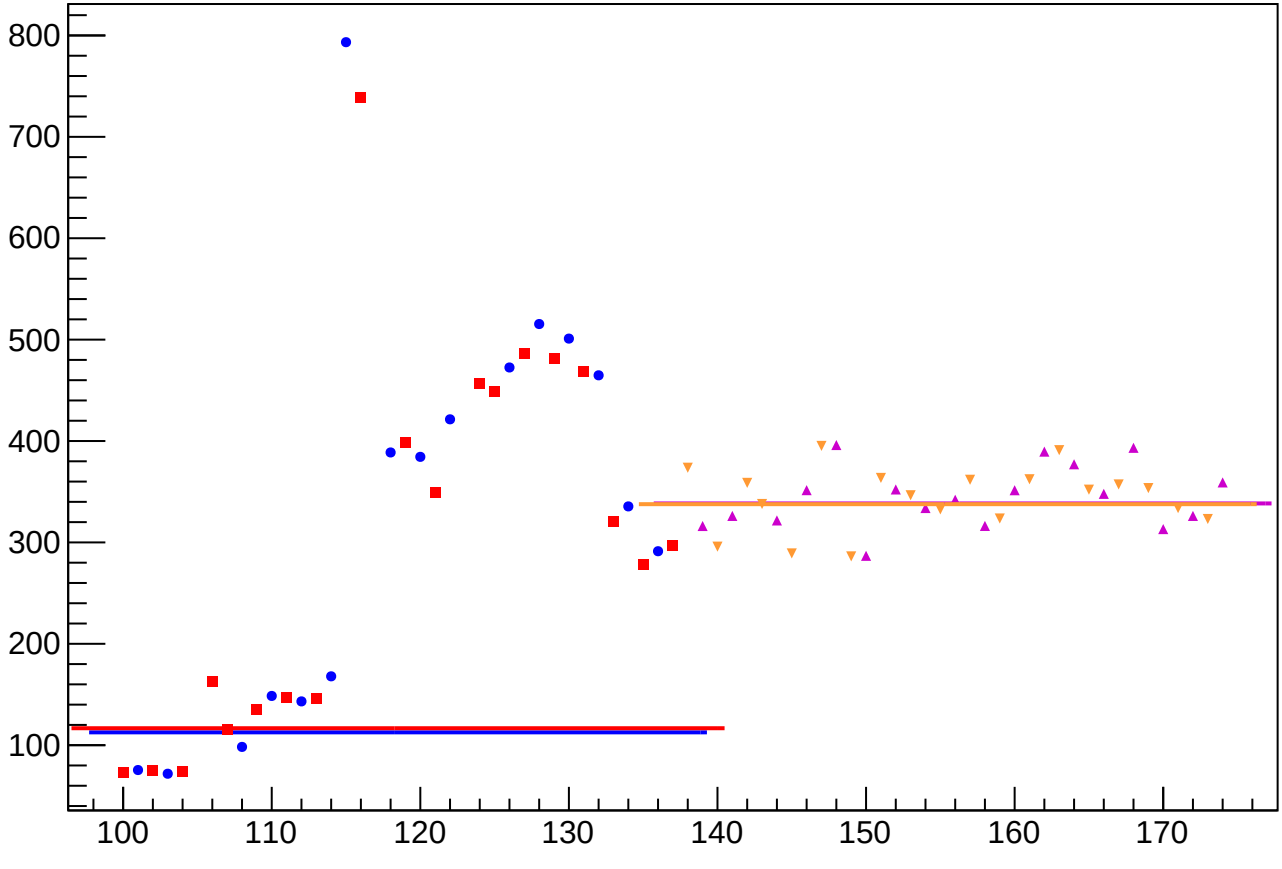
Right: -11.436+/-37.757 χ^2/NDF: 36.9/34

In: 23.725+/-45.820 χ^2/NDF:42.6/33

Out: -94.450+/-45.507 χ^2/NDF:39.9/37

All: -35.768+/-32.288 χ^2/NDF: 85.9/71

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 112.668+/-0.038 χ^2/NDF: 5599653.6/15

Left Out: 337.715+/-0.062 χ^2/NDF:257414.1/18

Right Out: 116.732+/-0.038 χ^2/NDF: 5141390.3/18

Left In: 338.439+/-0.062 χ^2/NDF:218087.1/17

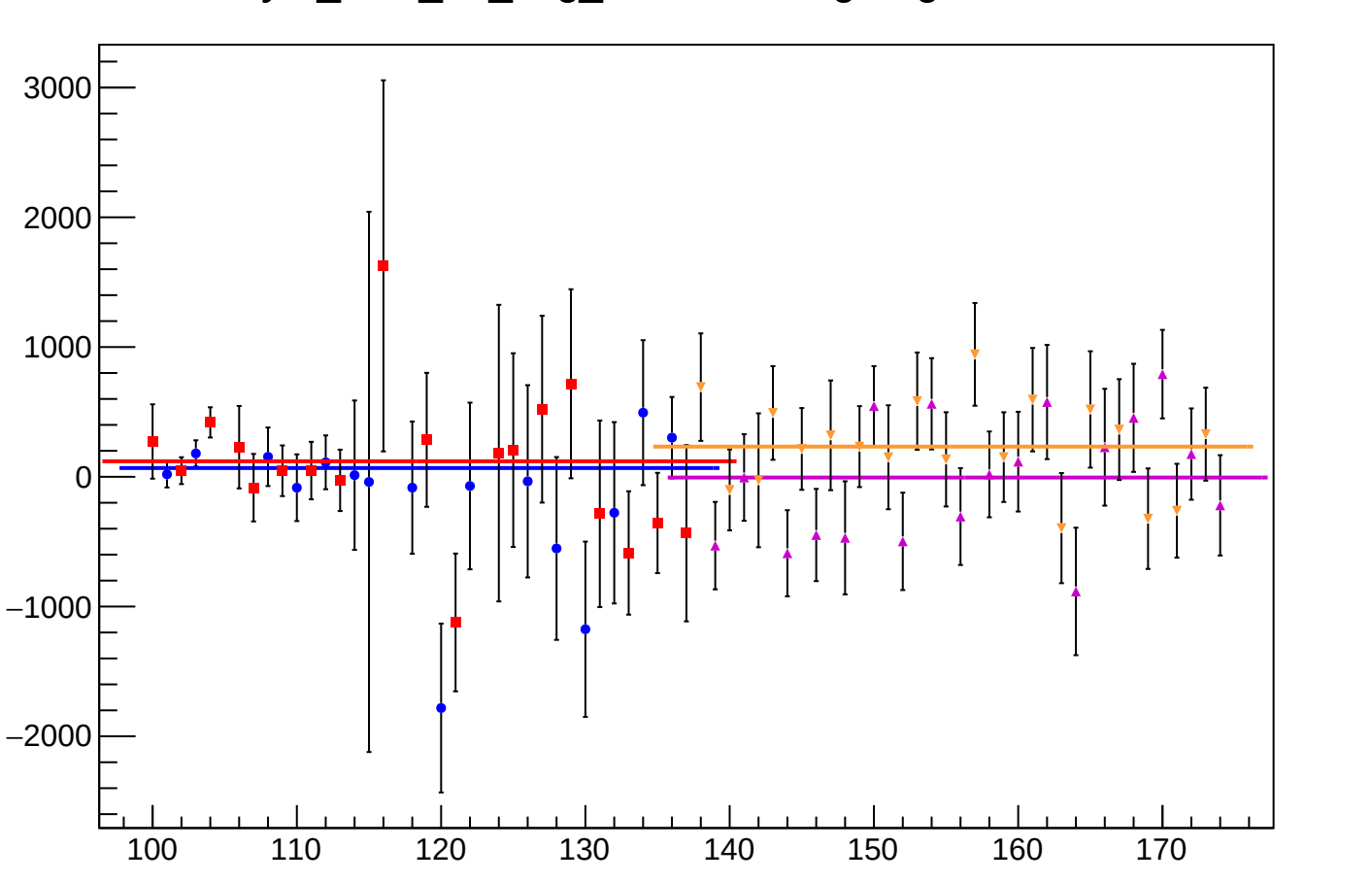
Left: 338.075+/-0.044 χ^2/NDF: 475568.7/36

Right: 114.714+/-0.027 χ^2/NDF: 10746837.6/34

In: 173.360+/-0.032 χ^2/NDF:15362068.0/33

Out: 176.085+/-0.032 χ^2/NDF:14663729.0/37

All: 174.732+/-0.023 χ^2/NDF: 30029357.9/71



Right In: 67.621+/-59.169 χ^2/NDF: 15.8/15

Left Out: 232.683+/-86.157 χ^2/NDF:15.0/18

Right Out: 119.635+/-57.941 χ^2/NDF: 21.1/18

Left In: -5.765+/-86.938 χ^2/NDF:29.0/17

Left: 114.536+/-61.196 χ^2/NDF: 47.8/36

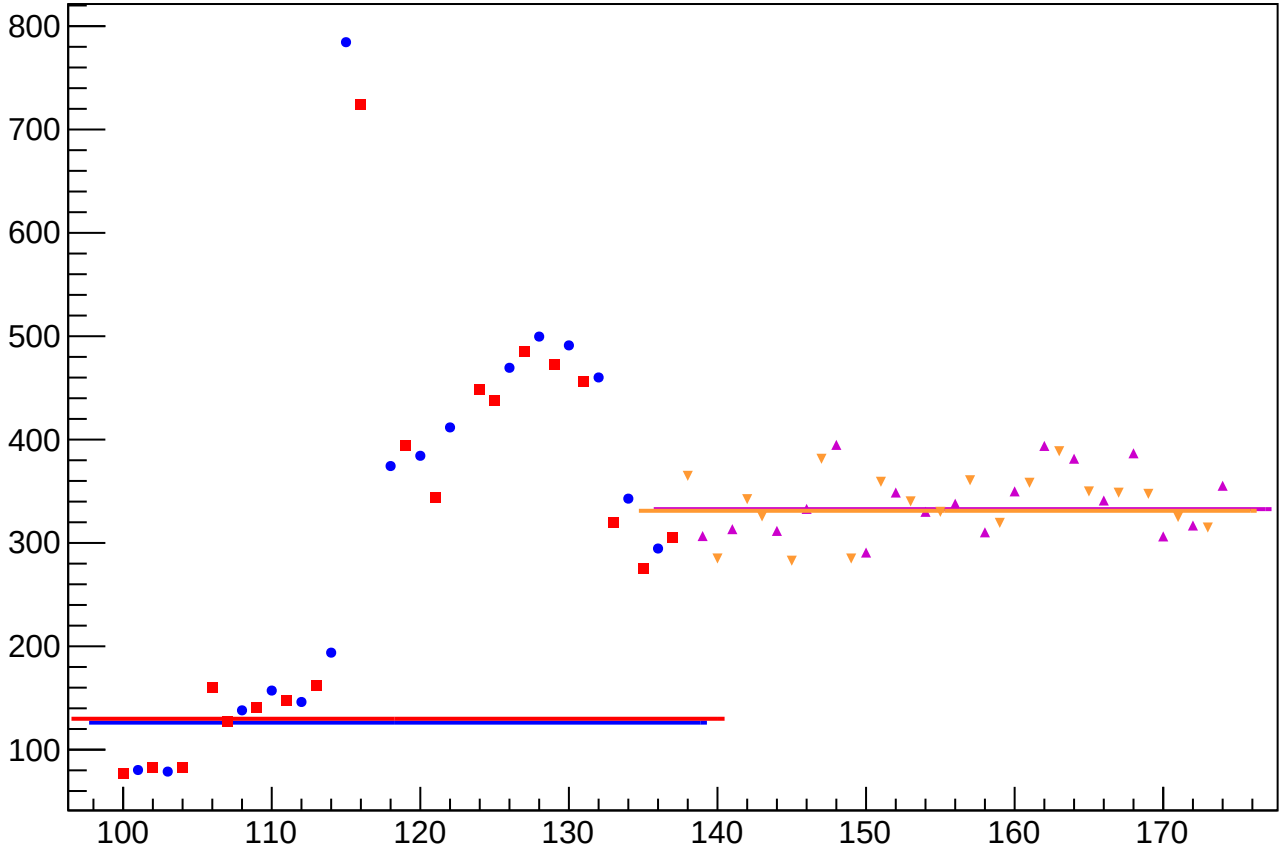
Right: 94.173+/-41.398 χ^2/NDF: 37.3/34

In: 44.390+/-48.915 χ^2/NDF:45.2/33

Out: 154.841+/-48.080 χ^2/NDF:37.3/37

All: 100.566+/-34.289 χ^2/NDF: 85.1/71

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 126.154+/-0.042 χ^2/NDF: 5220128.2/15

Left Out: 331.120+/-0.061 χ^2/NDF:263957.4/18

Right Out: 129.914+/-0.041 χ^2/NDF: 4647677.8/18

Left In: 332.716+/-0.061 χ^2/NDF:237714.1/17

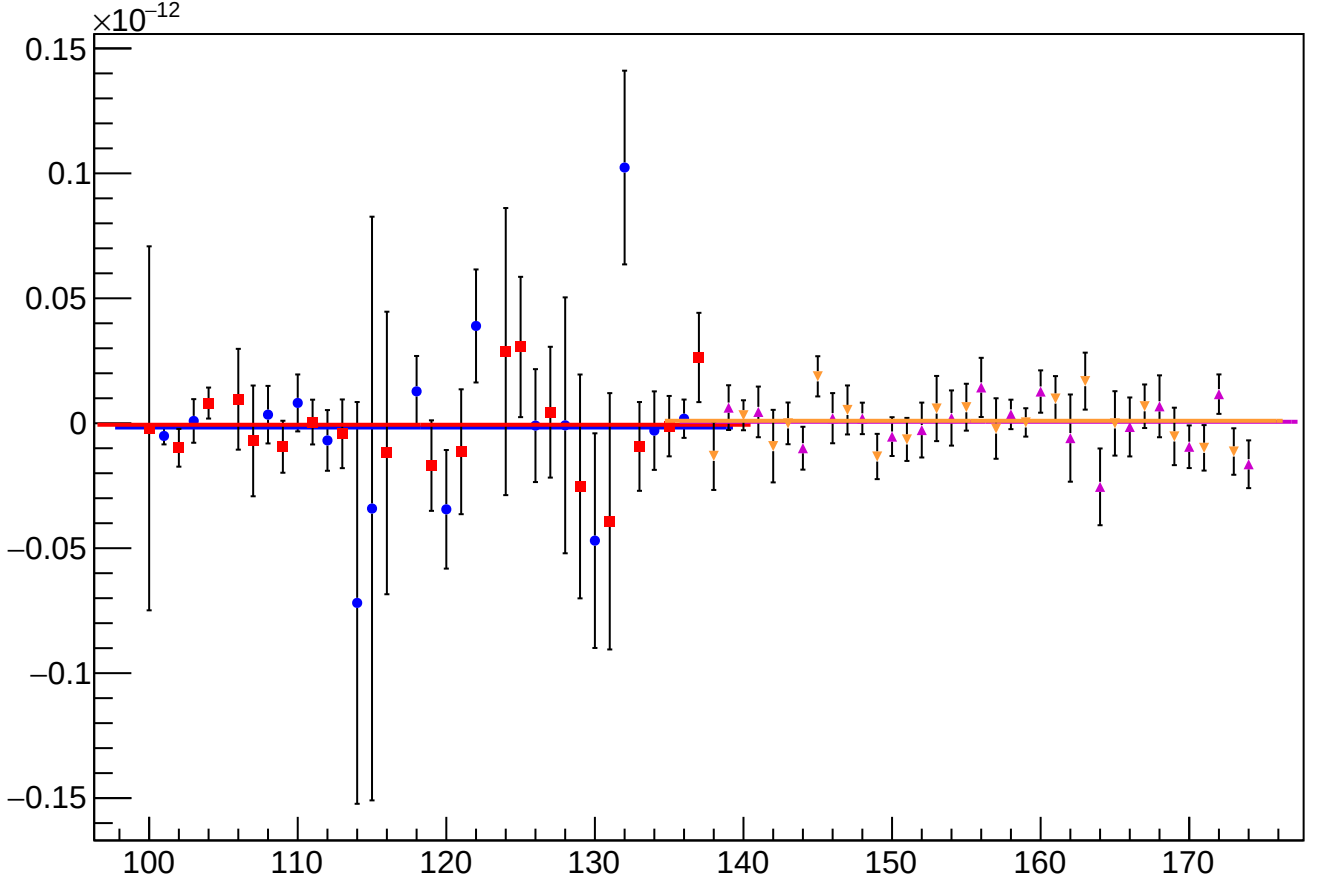
Left: 331.911+/-0.043 χ^2/NDF: 502011.5/36

Right: 128.074+/-0.029 χ^2/NDF: 9871930.1/34

In: 191.544+/-0.035 χ^2/NDF:13174128.8/33

Out: 192.575+/-0.034 χ^2/NDF:12422435.3/37

All: 192.068+/-0.024 χ^2/NDF: 25597015.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 17.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 10.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.3/17

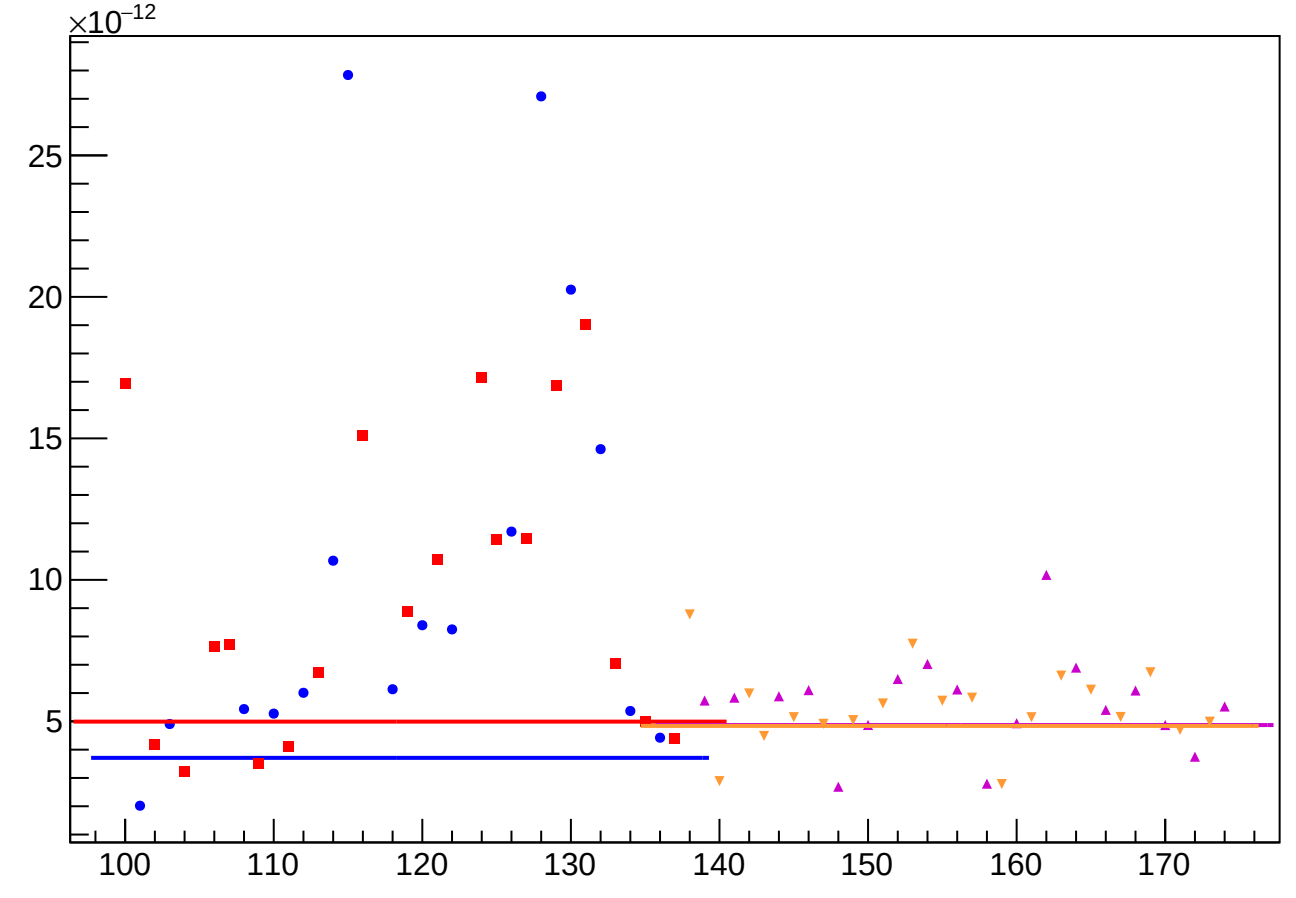
Left: 0.000+/-0.000 χ^2/NDF: 33.7/36

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: -0.000+/-0.000 χ^2/NDF:34.5/33

Out: 0.000+/-0.000 χ^2/NDF:28.1/37

All: 0.000+/-0.000 χ^2/NDF: 62.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 2172466.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:936591.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1295374.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1017760.4/17

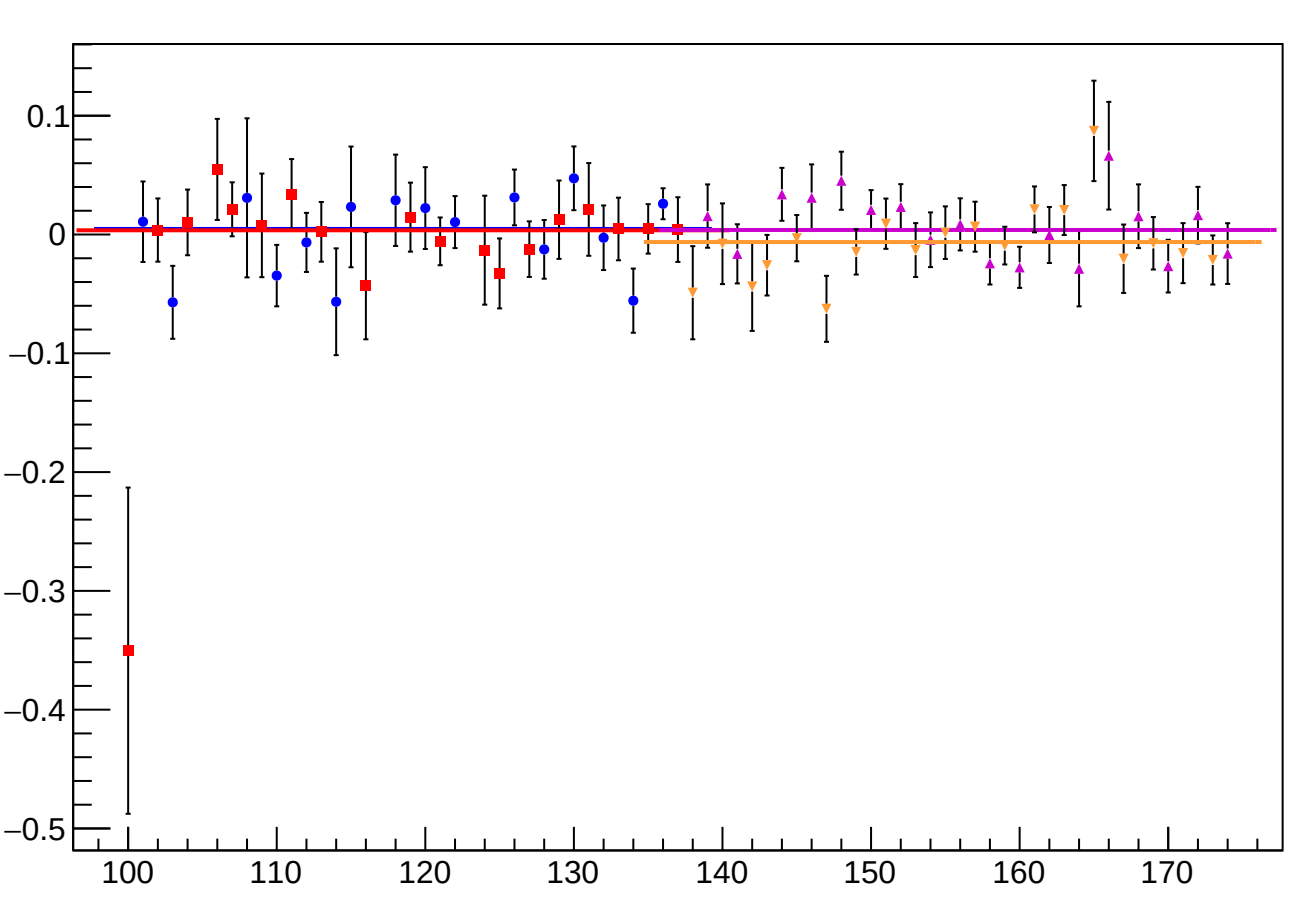
Left: 0.000+/-0.000 χ^2/NDF: 1954553.8/36

Right: 0.000+/-0.000 χ^2/NDF: 3664320.8/34

In: 0.000+/-0.000 χ^2/NDF:3433685.4/33

Out: 0.000+/-0.000 χ^2/NDF:2235108.0/37

All: 0.000+/-0.000 χ^2/NDF: 5756318.9/71



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

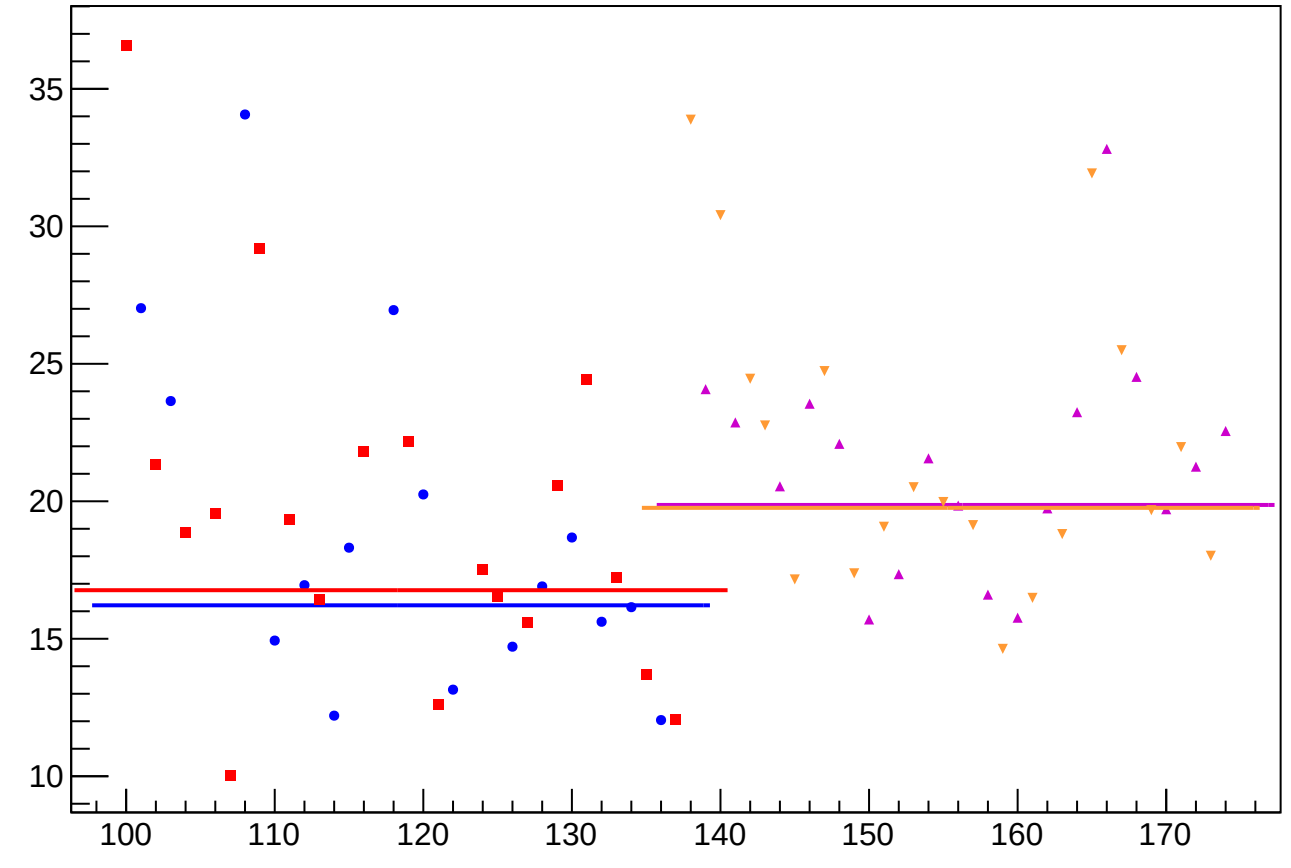
Left: -0.001+/-0.004 χ^2/NDF: 40.0/36

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.9/71



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.761+/-0.004 χ^2/NDF:1196356.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.867+/-0.004 χ^2/NDF:757211.0/17

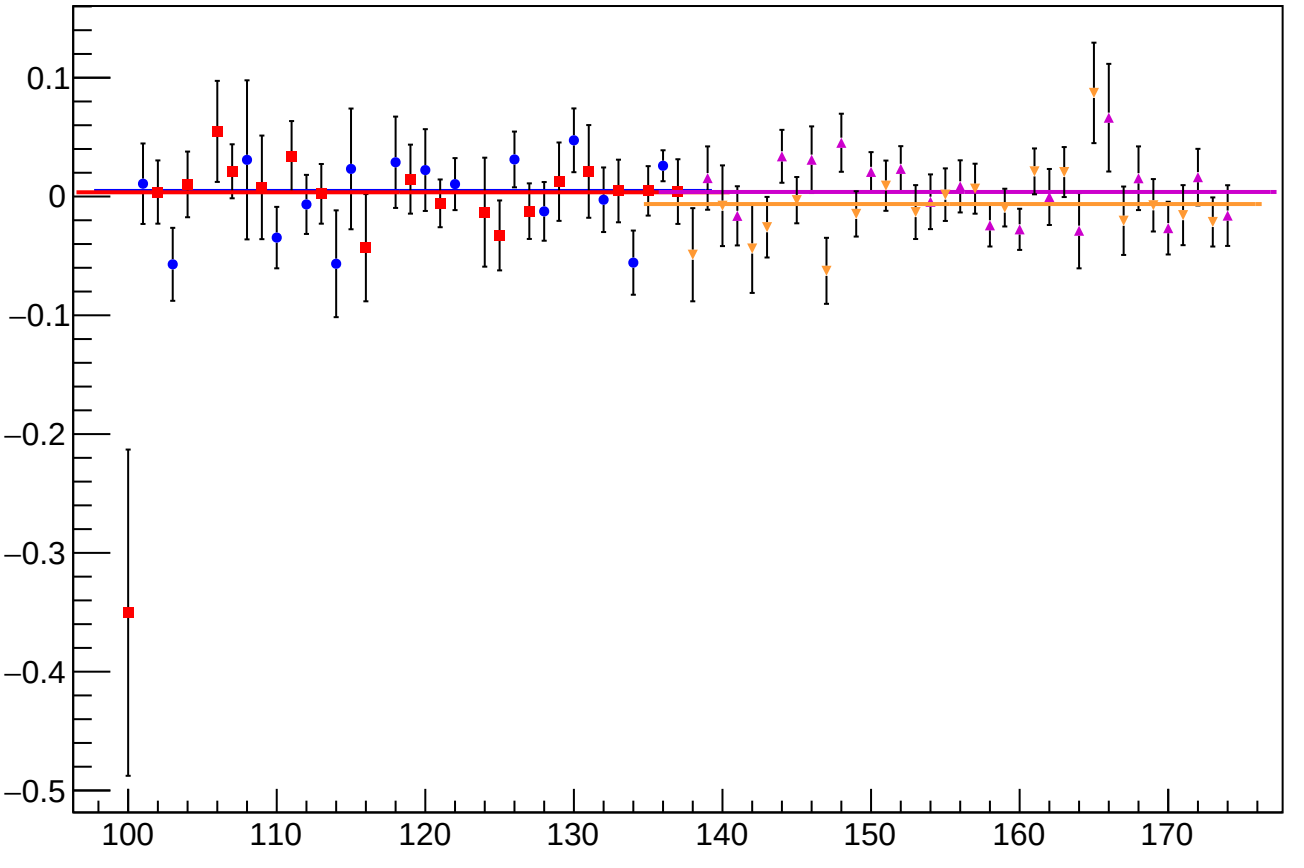
Left: 19.813+/-0.003 χ^2/NDF: 1953958.5/36

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.406+/-0.003 χ^2/NDF:2071904.5/33

Out: 18.592+/-0.003 χ^2/NDF:2312152.6/37

All: 18.499+/-0.002 χ^2/NDF: 4386071.9/71



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

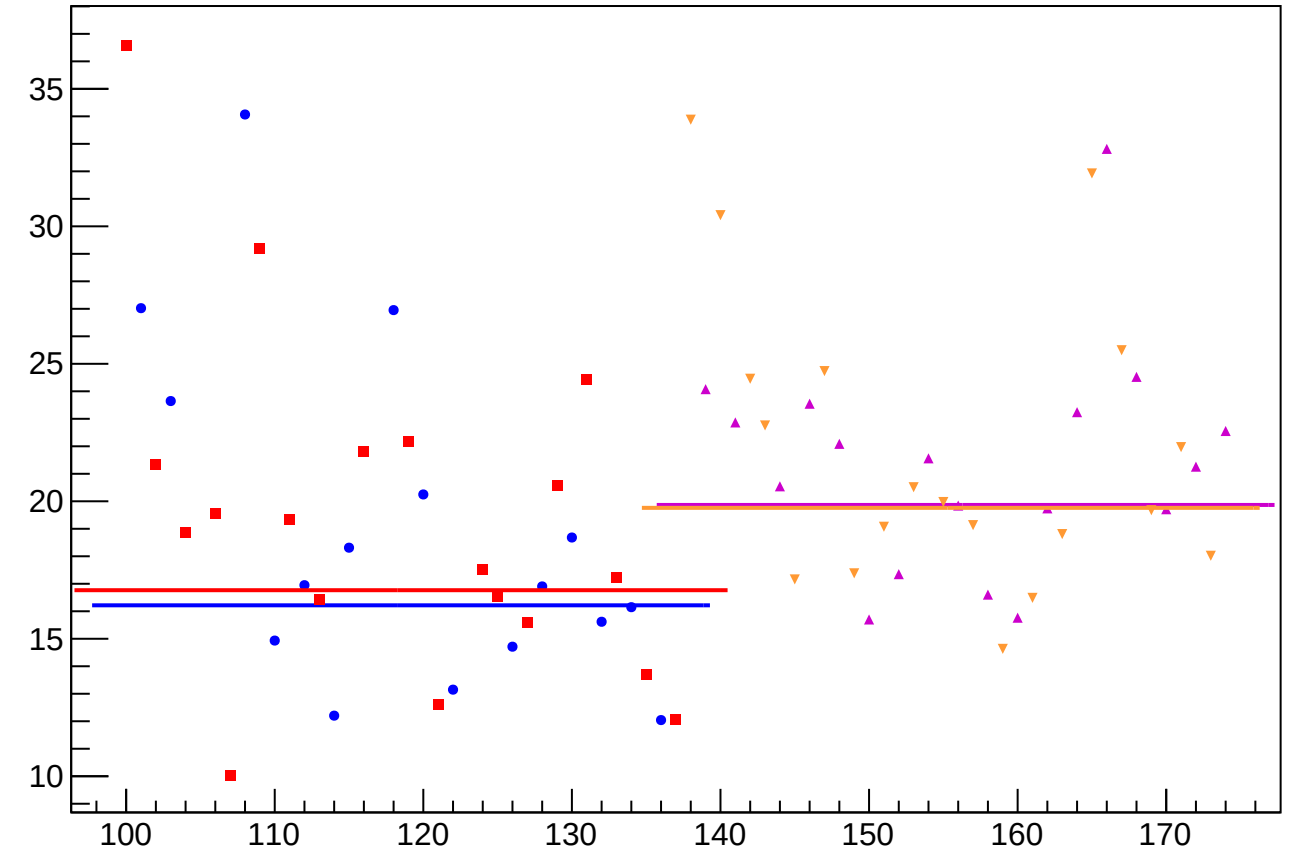
Left: -0.001+/-0.004 χ^2/NDF: 40.0/36

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.9/71



Right In: 16.217+/-0.005 χ^2/NDF: 943864.9/15

Left Out: 19.761+/-0.004 χ^2/NDF:1196356.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866715.7/18

Left In: 19.867+/-0.004 χ^2/NDF:757211.0/17

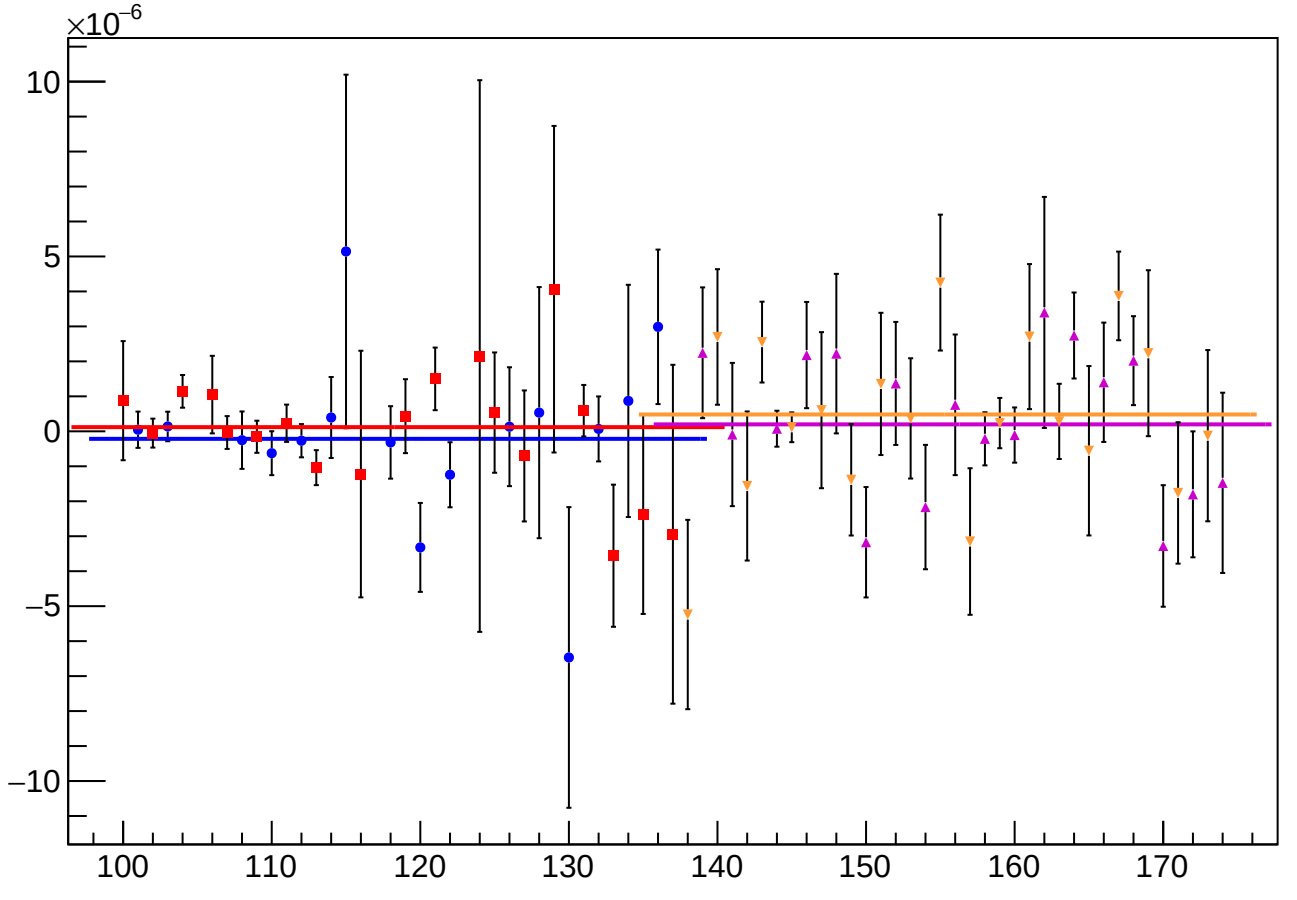
Left: 19.813+/-0.003 χ^2/NDF: 1953958.5/36

Right: 16.489+/-0.003 χ^2/NDF: 1817524.0/34

In: 18.406+/-0.003 χ^2/NDF:2071904.5/33

Out: 18.592+/-0.003 χ^2/NDF:2312152.6/37

All: 18.499+/-0.002 χ^2/NDF: 4386071.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 14.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.2/18

Left In: 0.000+/-0.000 χ^2/NDF:24.5/17

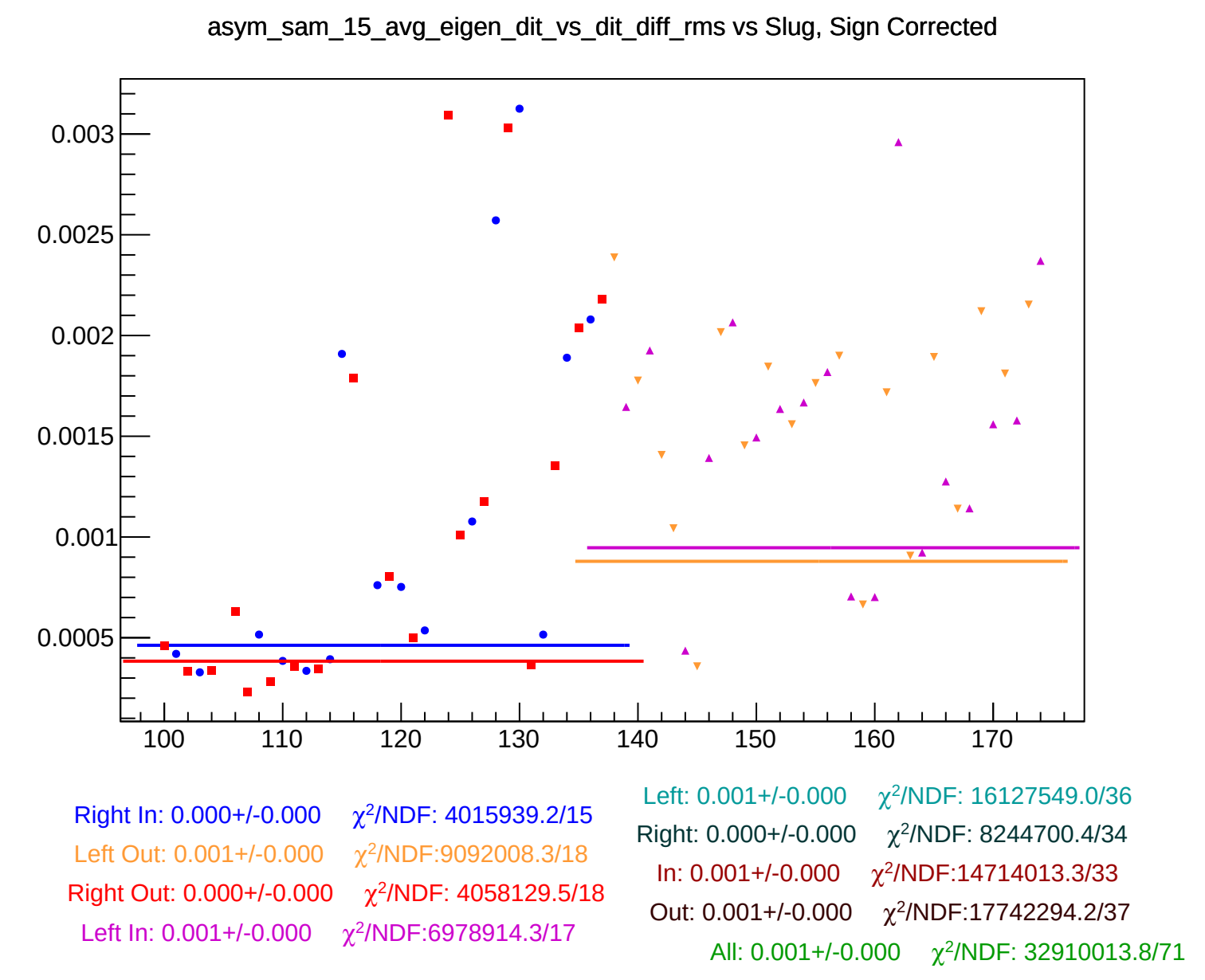
Left: 0.000+/-0.000 χ^2/NDF: 54.4/36

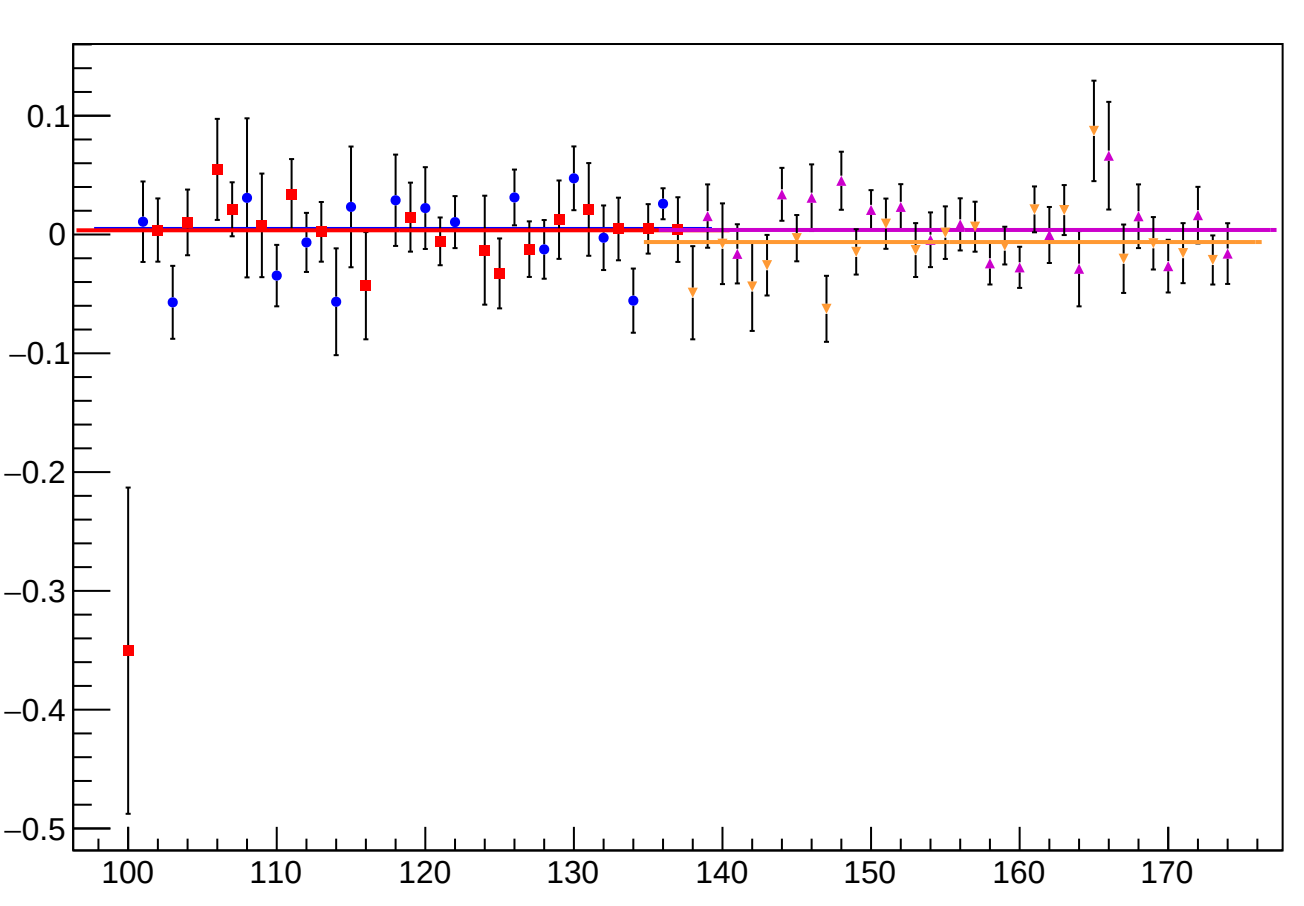
Right: -0.000+/-0.000 χ^2/NDF: 36.2/34

In: -0.000+/-0.000 χ^2/NDF:40.3/33

Out: 0.000+/-0.000 χ^2/NDF:50.9/37

All: 0.000+/-0.000 χ^2/NDF: 93.0/71


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:9092008.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 4058129.5/18
Left In: 0.001+/-0.000 χ²/NDF:6978914.3/17
Left: 0.001+/-0.000 χ²/NDF: 16127549.0/36
Right: 0.000+/-0.000 χ²/NDF: 8244700.4/34
In: 0.001+/-0.000 χ²/NDF:14714013.3/33
Out: 0.001+/-0.000 χ²/NDF:17742294.2/37
All: 0.001+/-0.000 χ²/NDF: 32910013.8/71



Right In: 0.005+/-0.007 χ^2/NDF: 21.5/15

Left Out: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

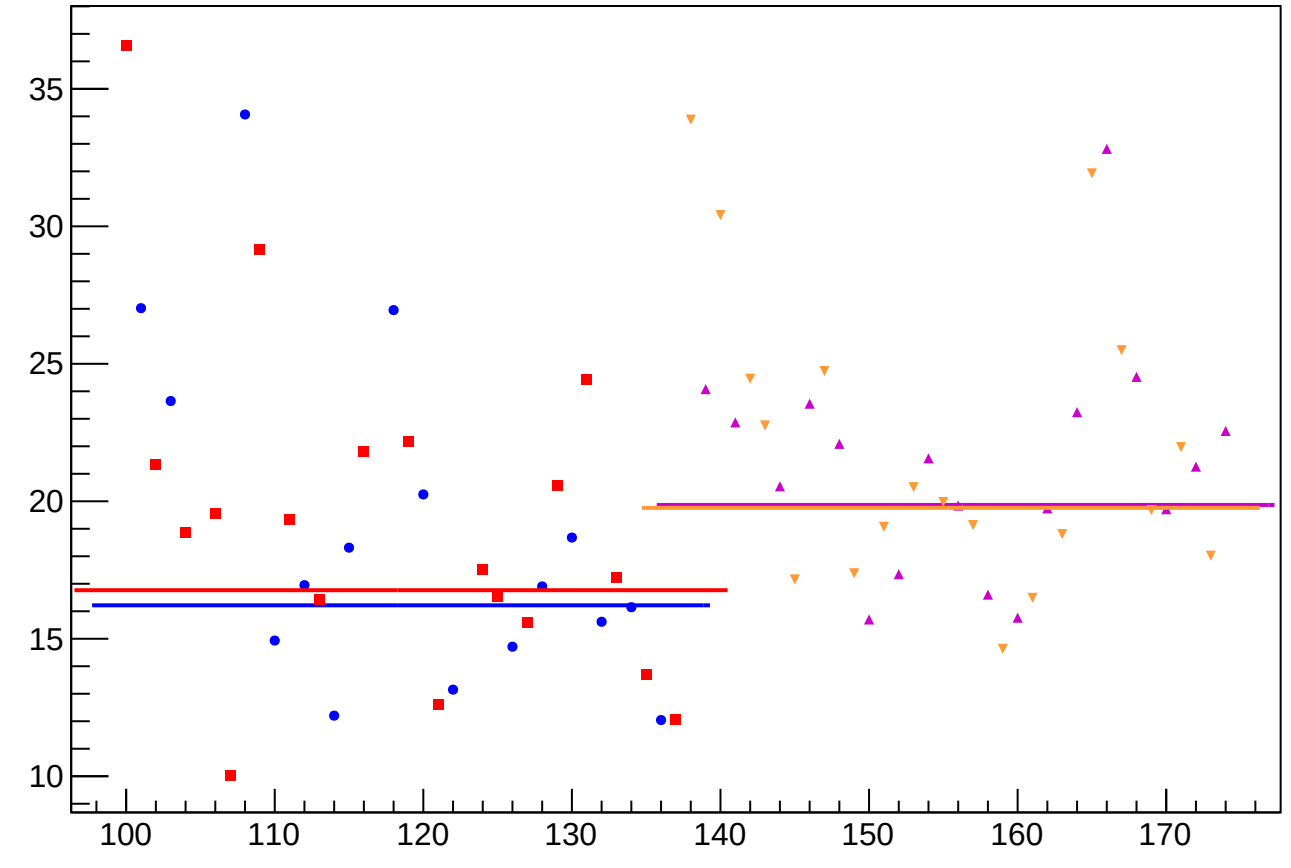
Left: -0.001+/-0.004 χ^2/NDF: 40.0/36

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.9/71



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.762+/-0.004 χ^2/NDF:1196437.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.867+/-0.004 χ^2/NDF:757340.6/17

Left: 19.814+/-0.003 χ^2/NDF: 1954168.6/36

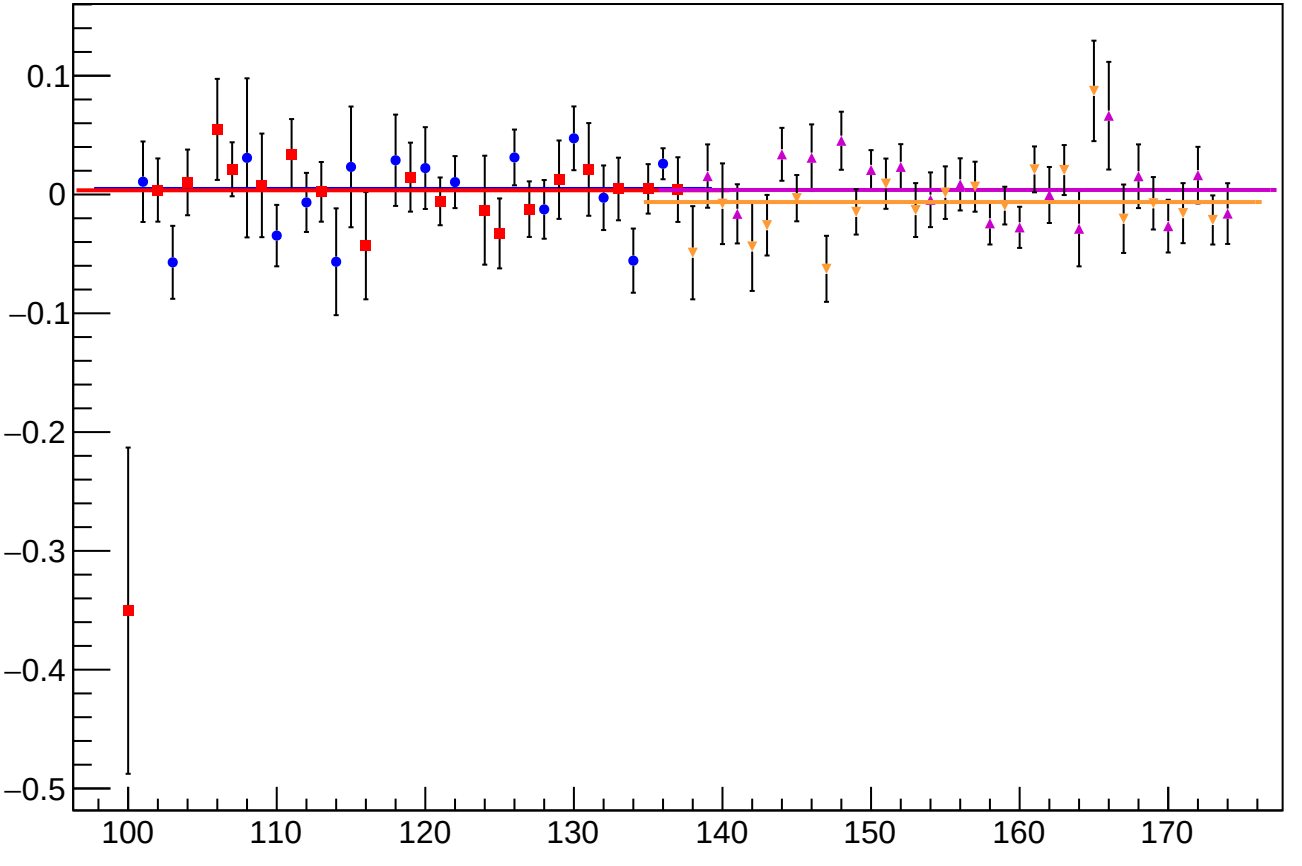
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.406+/-0.003 χ^2/NDF:2072052.2/33

Out: 18.592+/-0.003 χ^2/NDF:2312282.1/37

All: 18.499+/-0.002 χ^2/NDF: 4386349.8/71

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: -0.006+/-0.005 χ^2/NDF:17.7/18

Right Out: 0.004+/-0.007 χ^2/NDF: 13.6/18

Left In: 0.004+/-0.005 χ^2/NDF:20.4/17

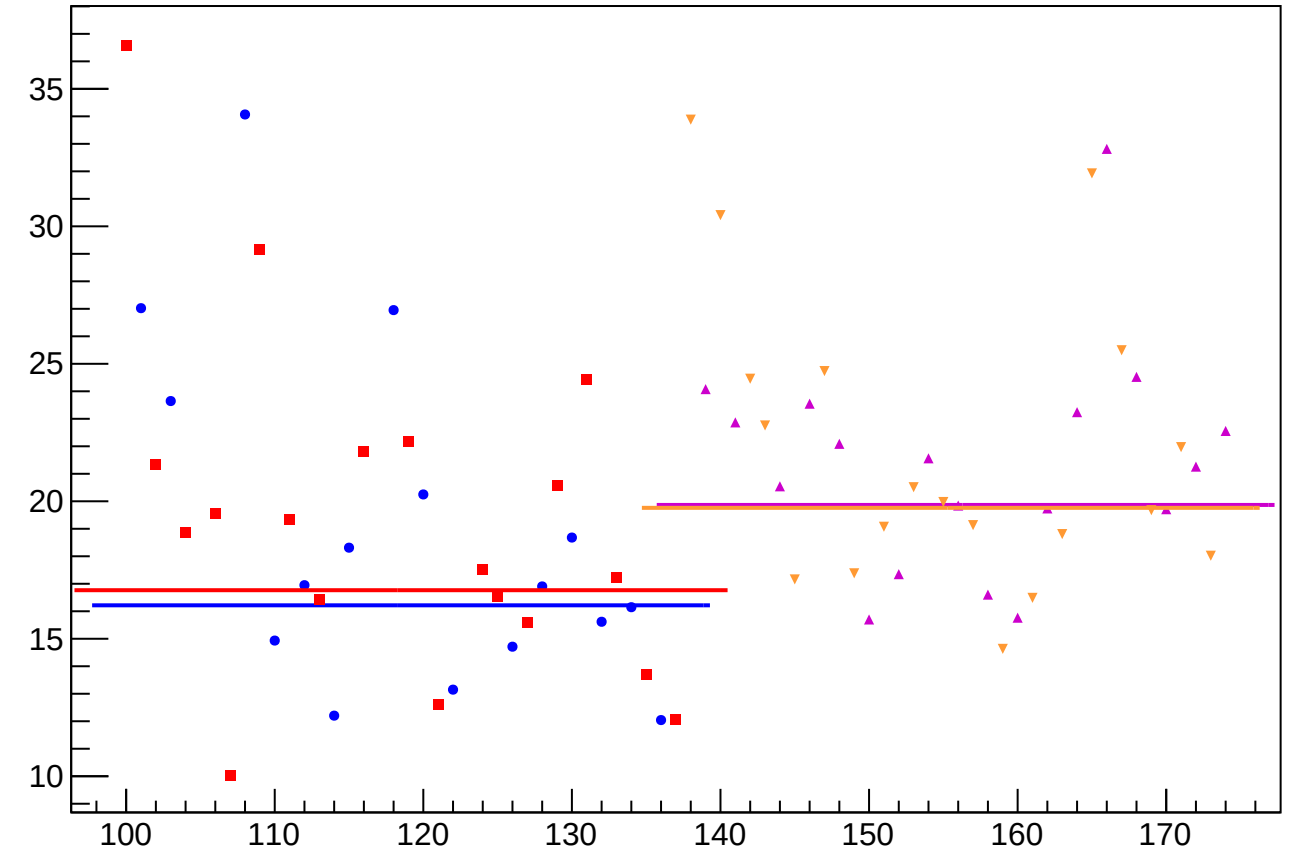
Left: -0.001+/-0.004 χ^2/NDF: 40.0/36

Right: 0.004+/-0.005 χ^2/NDF: 35.1/34

In: 0.004+/-0.004 χ^2/NDF:41.9/33

Out: -0.002+/-0.004 χ^2/NDF:32.7/37

All: 0.001+/-0.003 χ^2/NDF: 75.9/71



Right In: 16.216+/-0.005 χ^2/NDF: 943830.6/15

Left Out: 19.762+/-0.004 χ^2/NDF:1196437.2/18

Right Out: 16.766+/-0.005 χ^2/NDF: 866705.3/18

Left In: 19.867+/-0.004 χ^2/NDF:757340.6/17

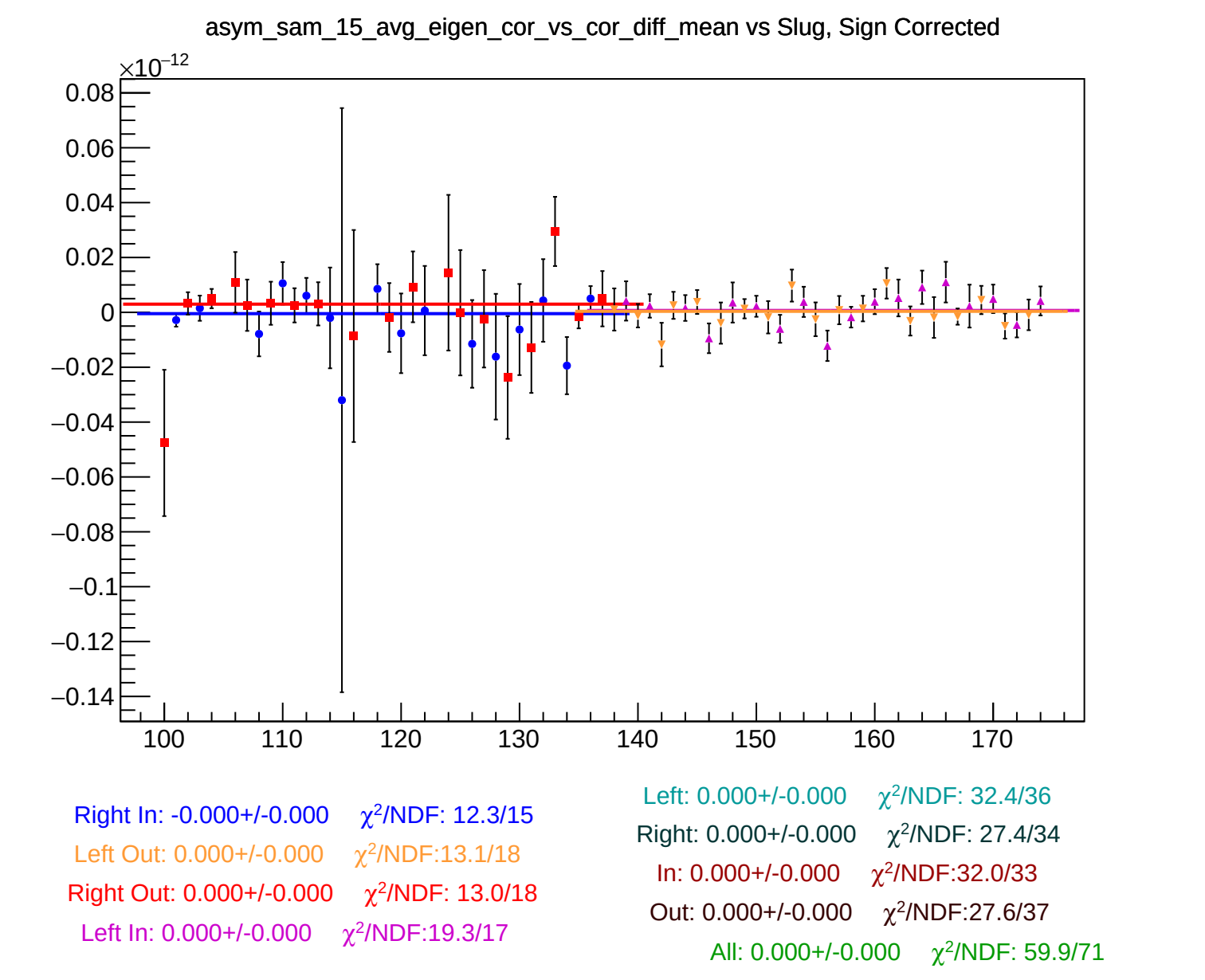
Left: 19.814+/-0.003 χ^2/NDF: 1954168.6/36

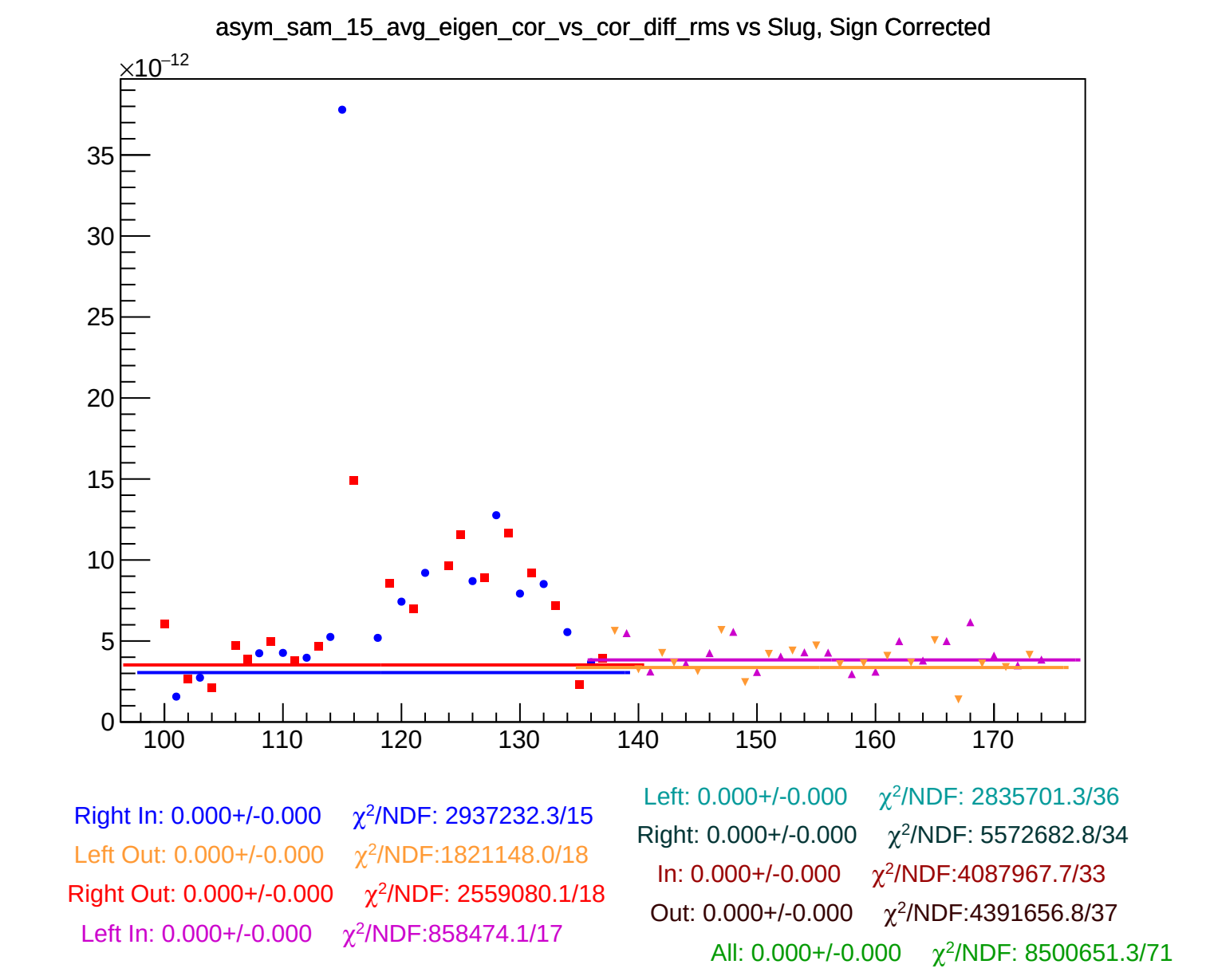
Right: 16.489+/-0.003 χ^2/NDF: 1817478.6/34

In: 18.406+/-0.003 χ^2/NDF:2072052.2/33

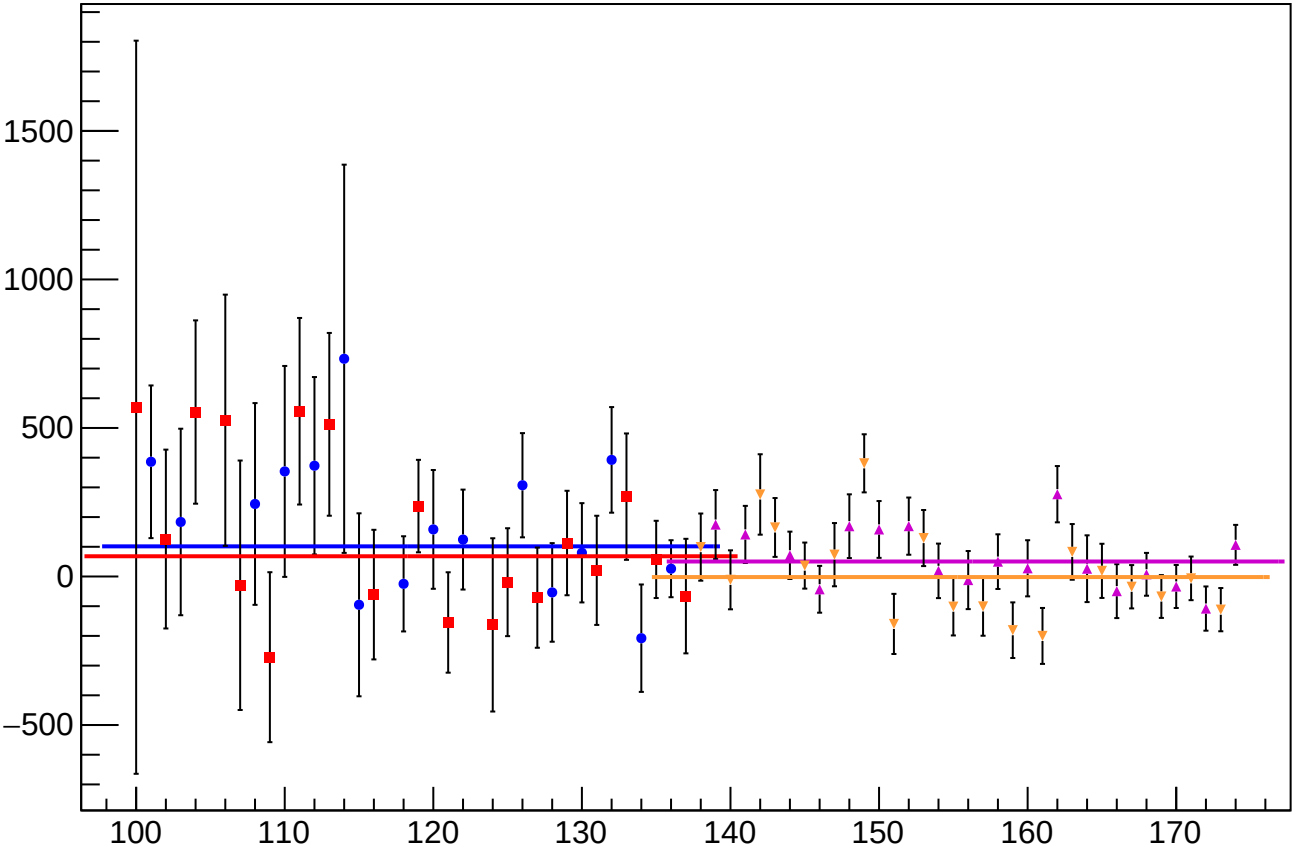
Out: 18.592+/-0.003 χ^2/NDF:2312282.1/37

All: 18.499+/-0.002 χ^2/NDF: 4386349.8/71


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:13.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 13.0/18
Left In: 0.000+/-0.000 χ²/NDF:19.3/17
Left: 0.000+/-0.000 χ²/NDF: 32.4/36
Right: 0.000+/-0.000 χ²/NDF: 27.4/34
In: 0.000+/-0.000 χ²/NDF:32.0/33
Out: 0.000+/-0.000 χ²/NDF:27.6/37
All: 0.000+/-0.000 χ²/NDF: 59.9/71


asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2937232.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1821148.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 2559080.1/18
Left In: 0.000+/-0.000 χ²/NDF:858474.1/17
Left: 0.000+/-0.000 χ²/NDF: 2835701.3/36
Right: 0.000+/-0.000 χ²/NDF: 5572682.8/34
In: 0.000+/-0.000 χ²/NDF:4087967.7/33
Out: 0.000+/-0.000 χ²/NDF:4391656.8/37
All: 0.000+/-0.000 χ²/NDF: 8500651.3/71

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 101.460+/-47.631 χ^2/NDF: 13.4/15

Left Out: -1.926+/-20.717 χ^2/NDF:42.6/18

Right Out: 68.108+/-49.327 χ^2/NDF: 16.1/18

Left In: 50.465+/-20.608 χ^2/NDF:22.0/17

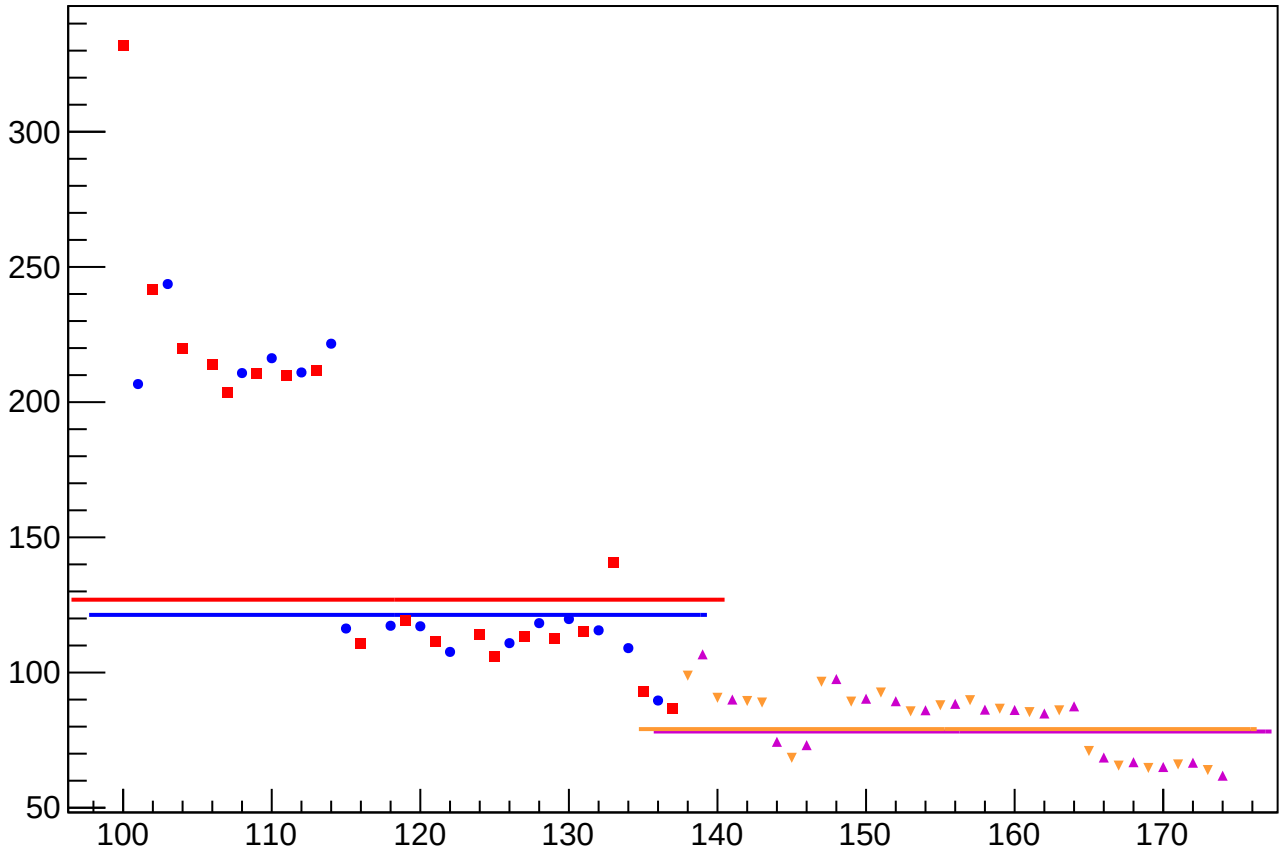
Left: 24.408+/-14.610 χ^2/NDF: 67.9/36

Right: 85.367+/-34.264 χ^2/NDF: 29.7/34

In: 58.506+/-18.913 χ^2/NDF:36.4/33

Out: 8.575+/-19.101 χ^2/NDF:60.5/37

All: 33.786+/-13.439 χ^2/NDF: 100.3/71



Right In: 121.325+/-0.034 χ^2/NDF: 1286651.5/15

Left Out: 79.086+/-0.015 χ^2/NDF:664947.5/18

Right Out: 126.945+/-0.035 χ^2/NDF: 1471592.1/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

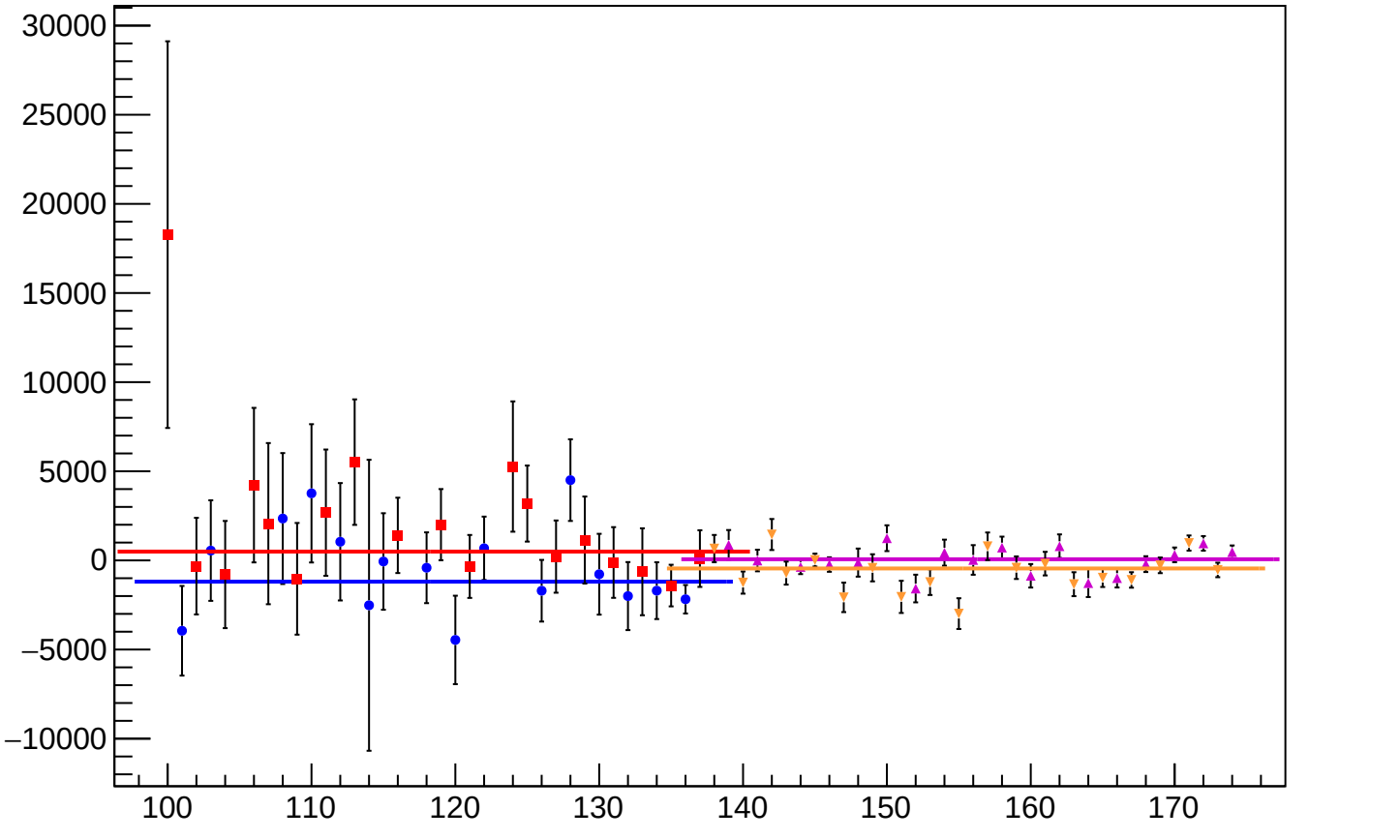
Left: 78.638+/-0.010 χ^2/NDF: 1348905.5/36

Right: 124.037+/-0.024 χ^2/NDF: 2771675.2/34

In: 84.995+/-0.013 χ^2/NDF:3350176.5/33

Out: 86.262+/-0.014 χ^2/NDF:3736902.9/37

All: 85.622+/-0.010 χ^2/NDF: 7091528.0/71



Right In: -1192.168+/-478.908 χ^2/NDF: 15.9/15

Left Out: -452.805+/-131.648 χ^2/NDF:46.2/18

Right Out: 494.627+/-521.756 χ^2/NDF: 13.9/18

Left In: 64.558+/-127.591 χ^2/NDF:28.0/17

Left: -186.028+/-91.621 χ^2/NDF: 82.1/36

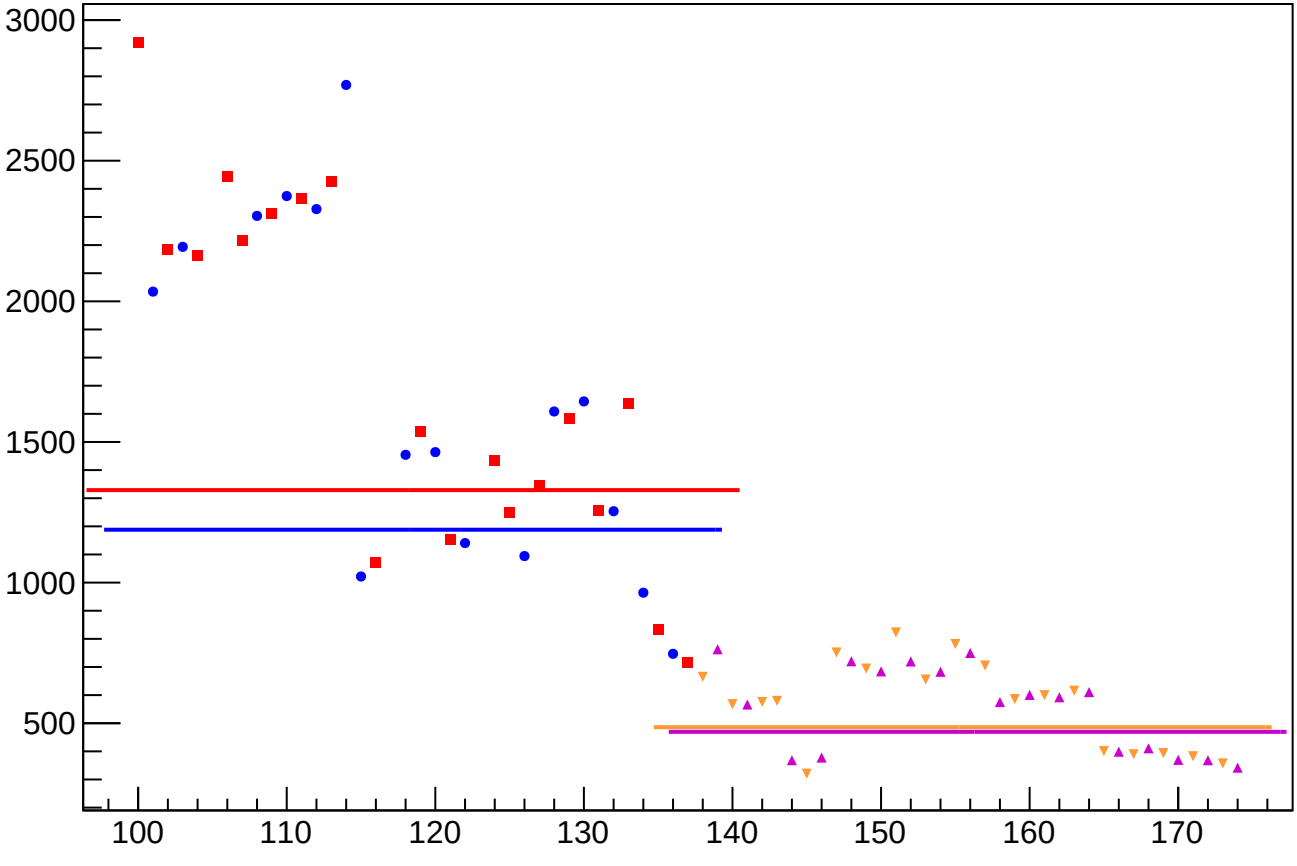
Right: -420.866+/-352.816 χ^2/NDF: 35.5/34

In: -18.733+/-123.291 χ^2/NDF:50.3/33

Out: -396.097+/-127.648 χ^2/NDF:63.1/37

All: -200.865+/-88.680 χ^2/NDF: 118.0/71

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1188.069+/-0.339 χ^2/NDF: 2044635.7/15

Left Out: 485.845+/-0.093 χ^2/NDF:2505294.9/18

Right Out: 1328.816+/-0.369 χ^2/NDF: 1957758.3/18

Left In: 469.336+/-0.090 χ^2/NDF:2328824.8/17

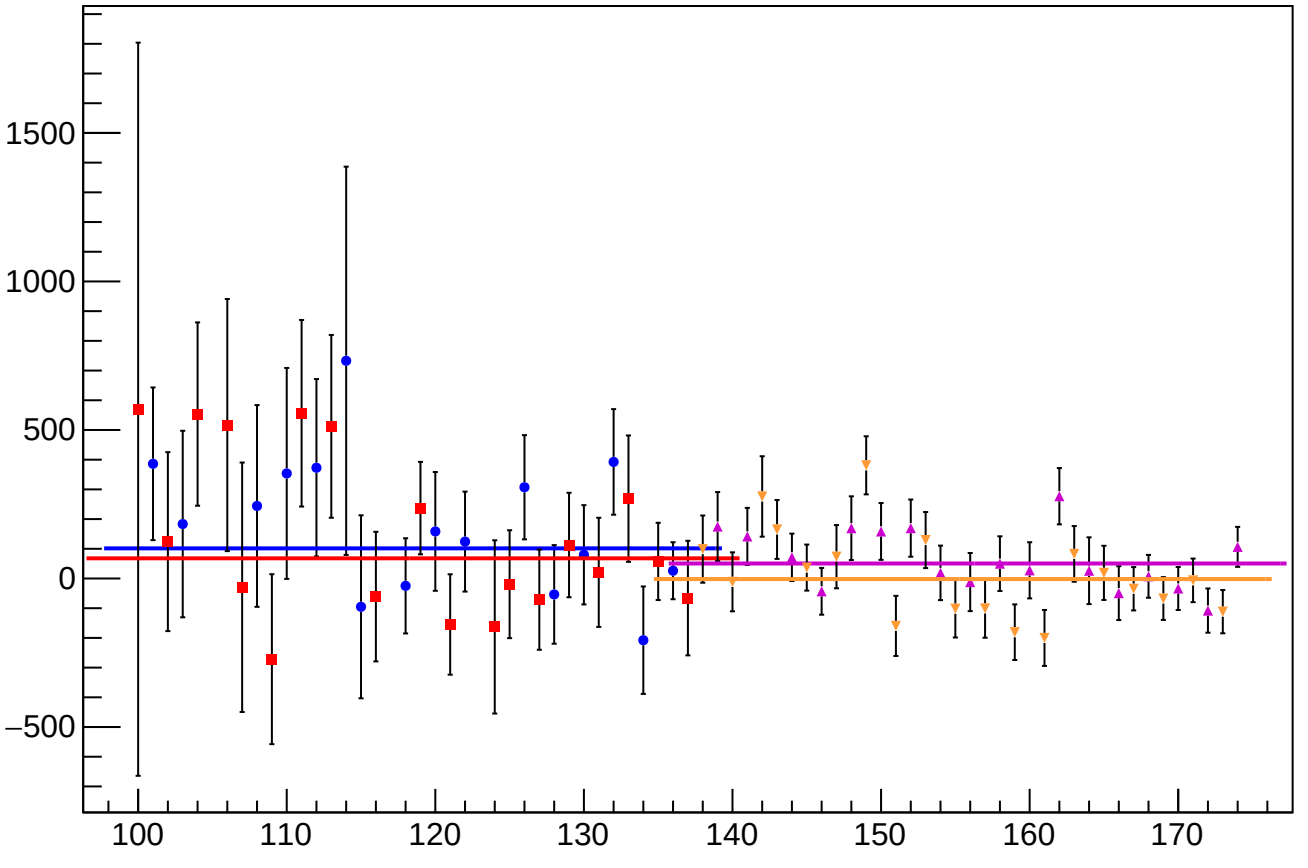
Left: 477.332+/-0.065 χ^2/NDF: 4850337.5/36

Right: 1252.427+/-0.249 χ^2/NDF: 4081382.8/34

In: 516.971+/-0.087 χ^2/NDF:8579567.0/33

Out: 536.300+/-0.090 χ^2/NDF:9371191.6/37

All: 526.300+/-0.063 χ^2/NDF: 17974485.0/71



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -1.925+/-20.717 χ^2/NDF:42.6/18

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 50.464+/-20.608 χ^2/NDF:22.0/17

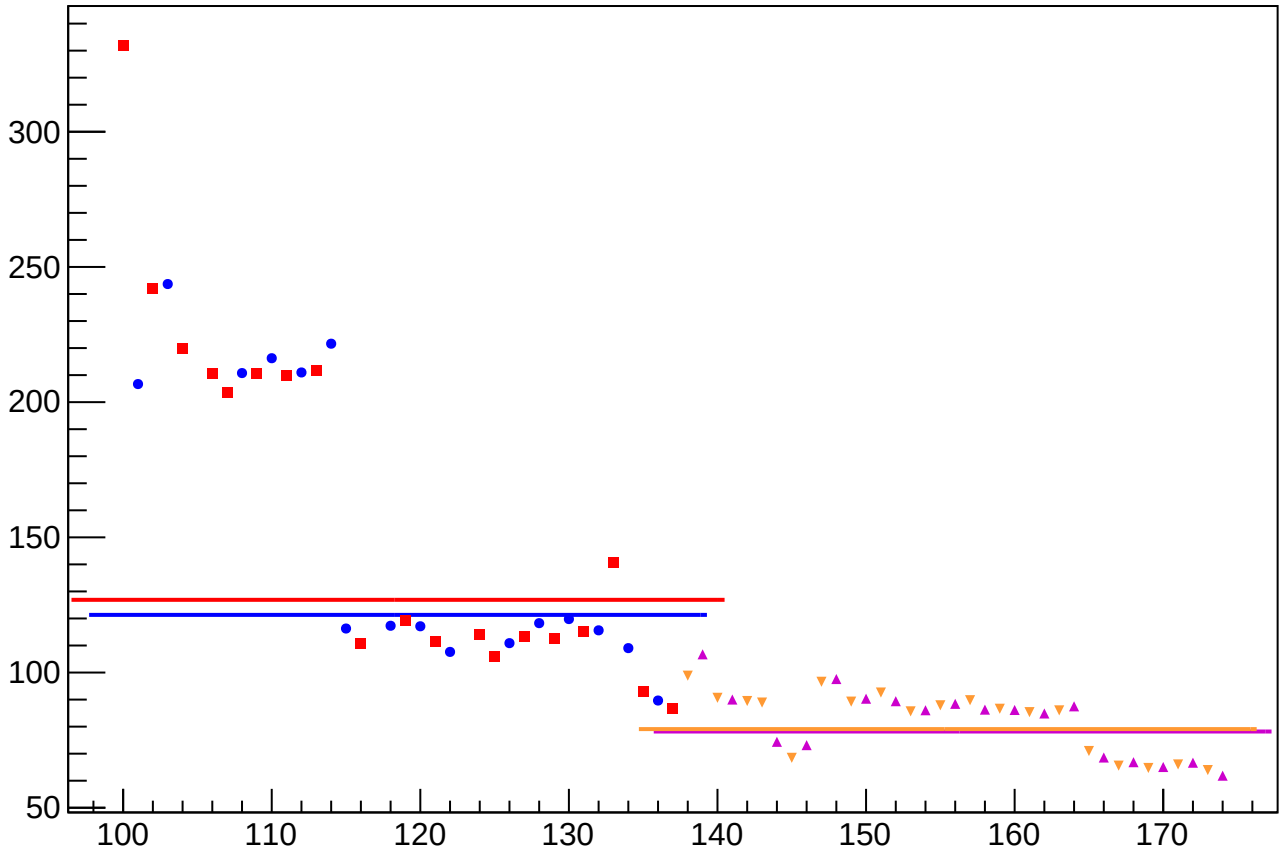
Left: 24.408+/-14.610 χ^2/NDF: 67.9/36

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 58.503+/-18.913 χ^2/NDF:36.4/33

Out: 8.541+/-19.101 χ^2/NDF:60.4/37

All: 33.768+/-13.440 χ^2/NDF: 100.2/71



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 79.086+/-0.015 χ^2/NDF:664947.5/18

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

Left: 78.638+/-0.010 χ^2/NDF: 1348905.4/36

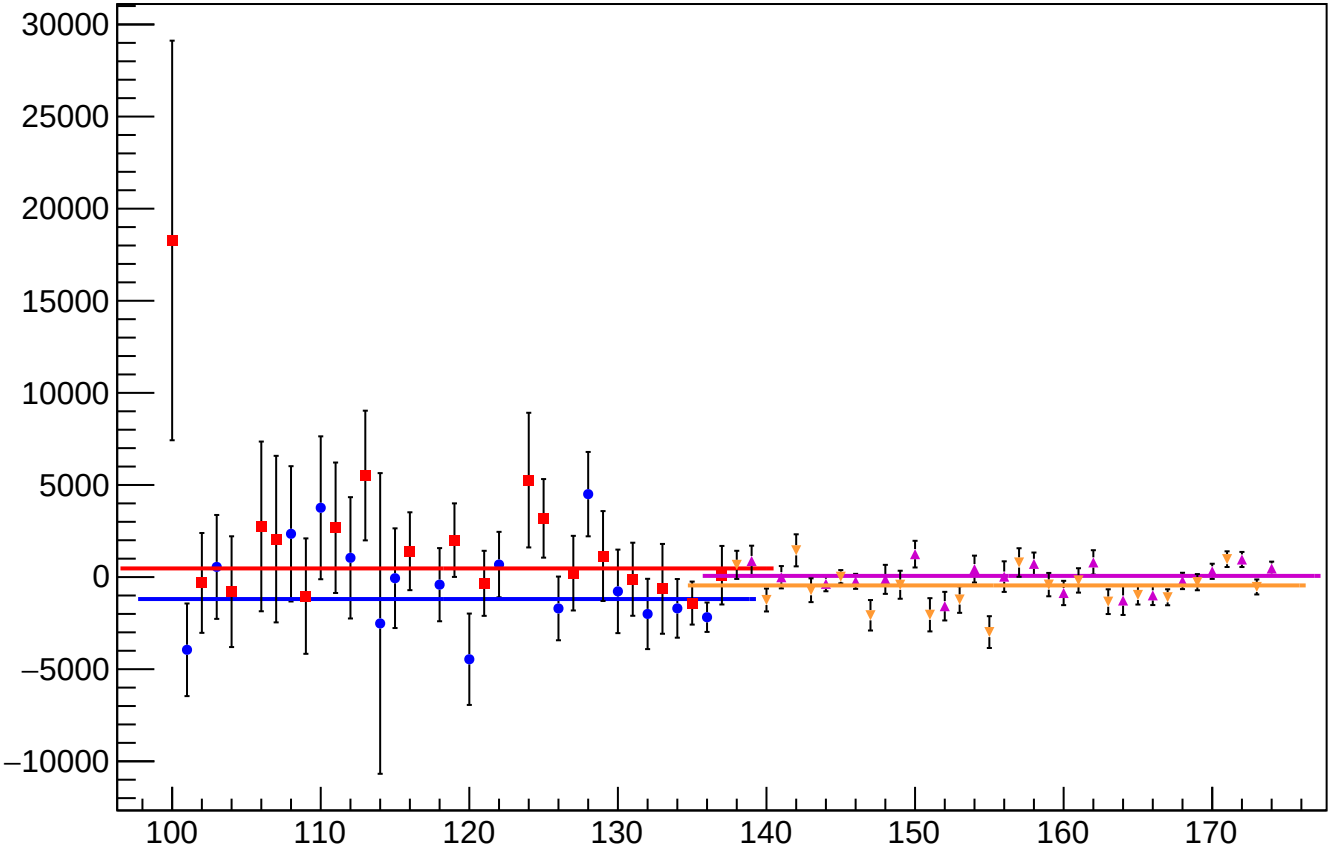
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 84.995+/-0.013 χ^2/NDF:3350178.6/33

Out: 86.254+/-0.014 χ^2/NDF:3727276.6/37

All: 85.618+/-0.010 χ^2/NDF: 7081845.9/71

asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -452.801+/-131.648 χ^2/NDF:46.2/18

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 64.558+/-127.591 χ^2/NDF:28.0/17

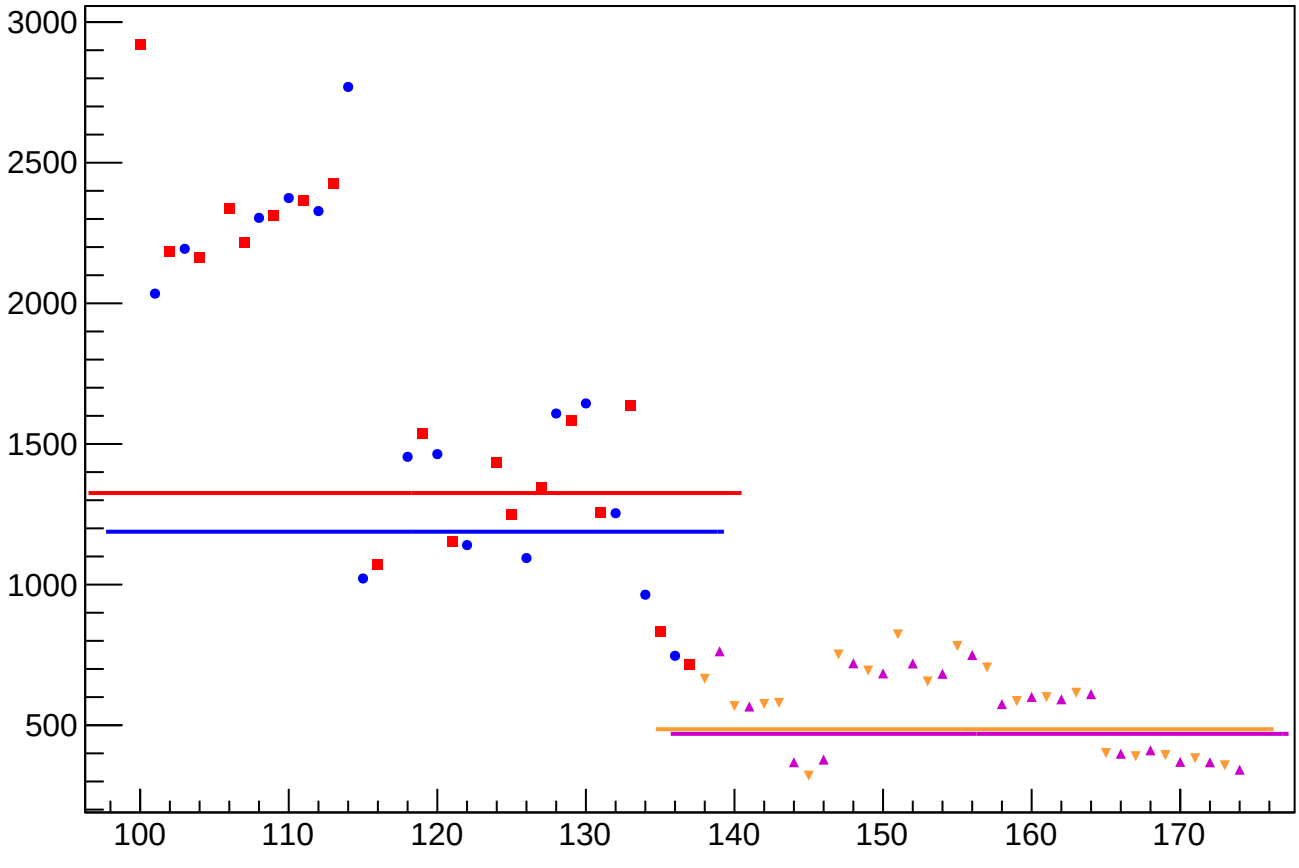
Left: -186.027+/-91.621 χ^2/NDF: 82.1/36

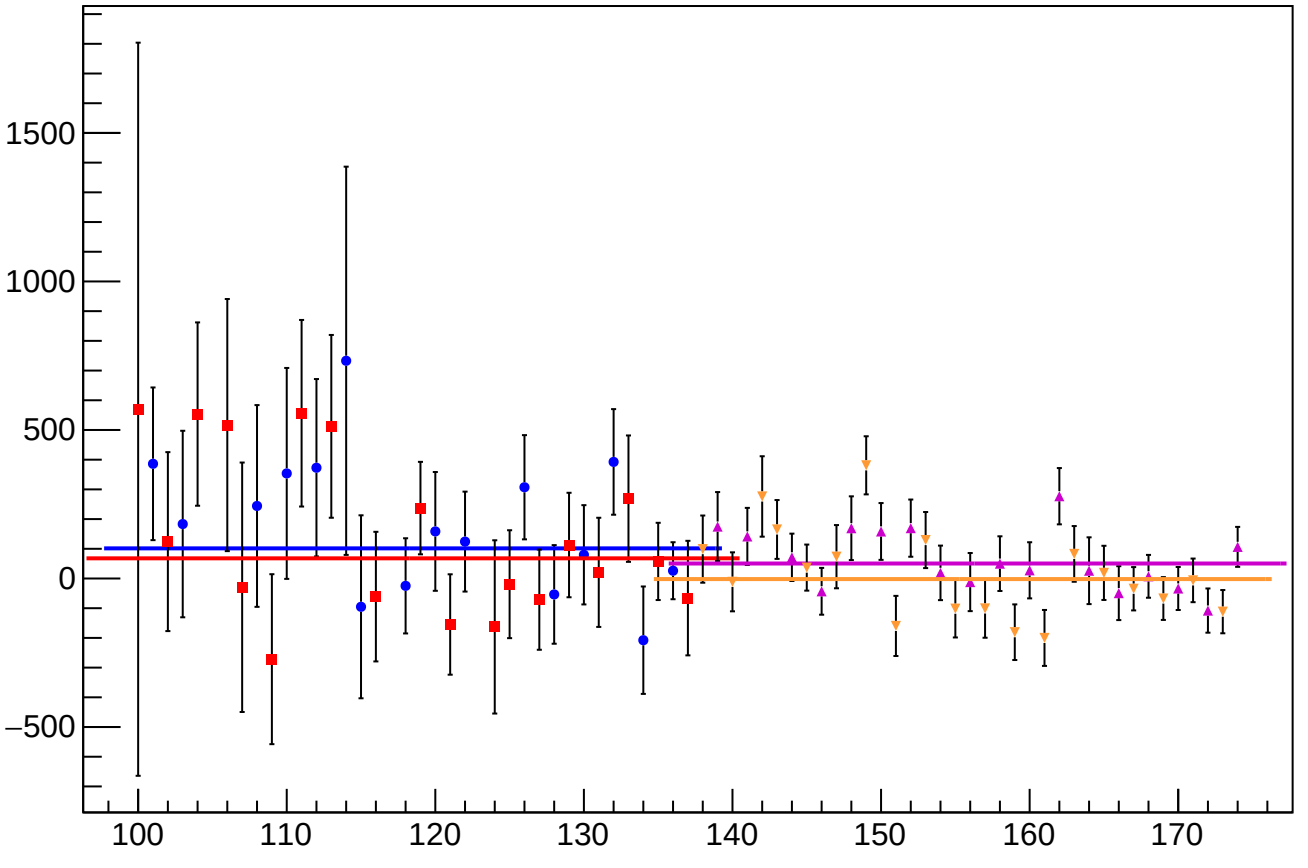
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -18.731+/-123.291 χ^2/NDF:50.3/33

Out: -397.672+/-127.654 χ^2/NDF:62.5/37

All: -201.614+/-88.682 χ^2/NDF: 117.3/71


asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1188.069+/-0.339 χ²/NDF: 2044666.3/15
Left Out: 485.845+/-0.093 χ²/NDF:2505301.6/18
Right Out: 1325.564+/-0.369 χ²/NDF: 1920986.7/18
Left In: 469.336+/-0.090 χ²/NDF:2328827.5/17
Left: 477.332+/-0.065 χ²/NDF: 4850346.2/36
Right: 1250.882+/-0.250 χ²/NDF: 4040963.9/34
In: 516.971+/-0.087 χ²/NDF:8579585.8/33
Out: 536.024+/-0.090 χ²/NDF:9288785.6/37
All: 526.166+/-0.063 χ²/NDF: 17891423.9/71



Right In: 101.446+/-47.631 χ^2/NDF: 13.3/15

Left Out: -1.925+/-20.717 χ^2/NDF:42.6/18

Right Out: 67.881+/-49.331 χ^2/NDF: 16.1/18

Left In: 50.464+/-20.608 χ^2/NDF:22.0/17

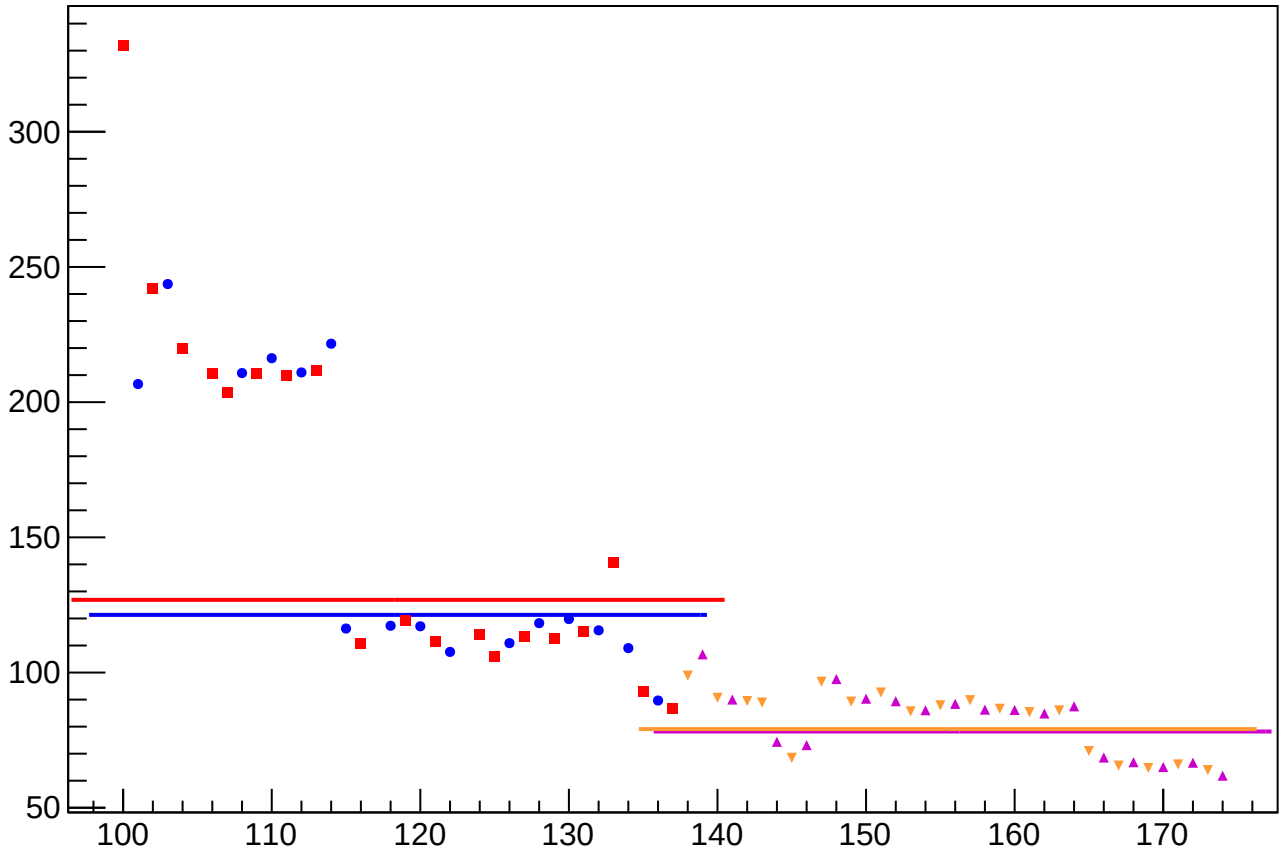
Left: 24.408+/-14.610 χ^2/NDF: 67.9/36

Right: 85.252+/-34.265 χ^2/NDF: 29.7/34

In: 58.503+/-18.913 χ^2/NDF:36.4/33

Out: 8.541+/-19.101 χ^2/NDF:60.4/37

All: 33.768+/-13.440 χ^2/NDF: 100.2/71



Right In: 121.325+/-0.034 χ^2/NDF: 1286654.0/15

Left Out: 79.086+/-0.015 χ^2/NDF:664947.5/18

Right Out: 126.895+/-0.035 χ^2/NDF: 1465478.6/18

Left In: 78.194+/-0.015 χ^2/NDF:682091.2/17

Left: 78.638+/-0.010 χ^2/NDF: 1348905.4/36

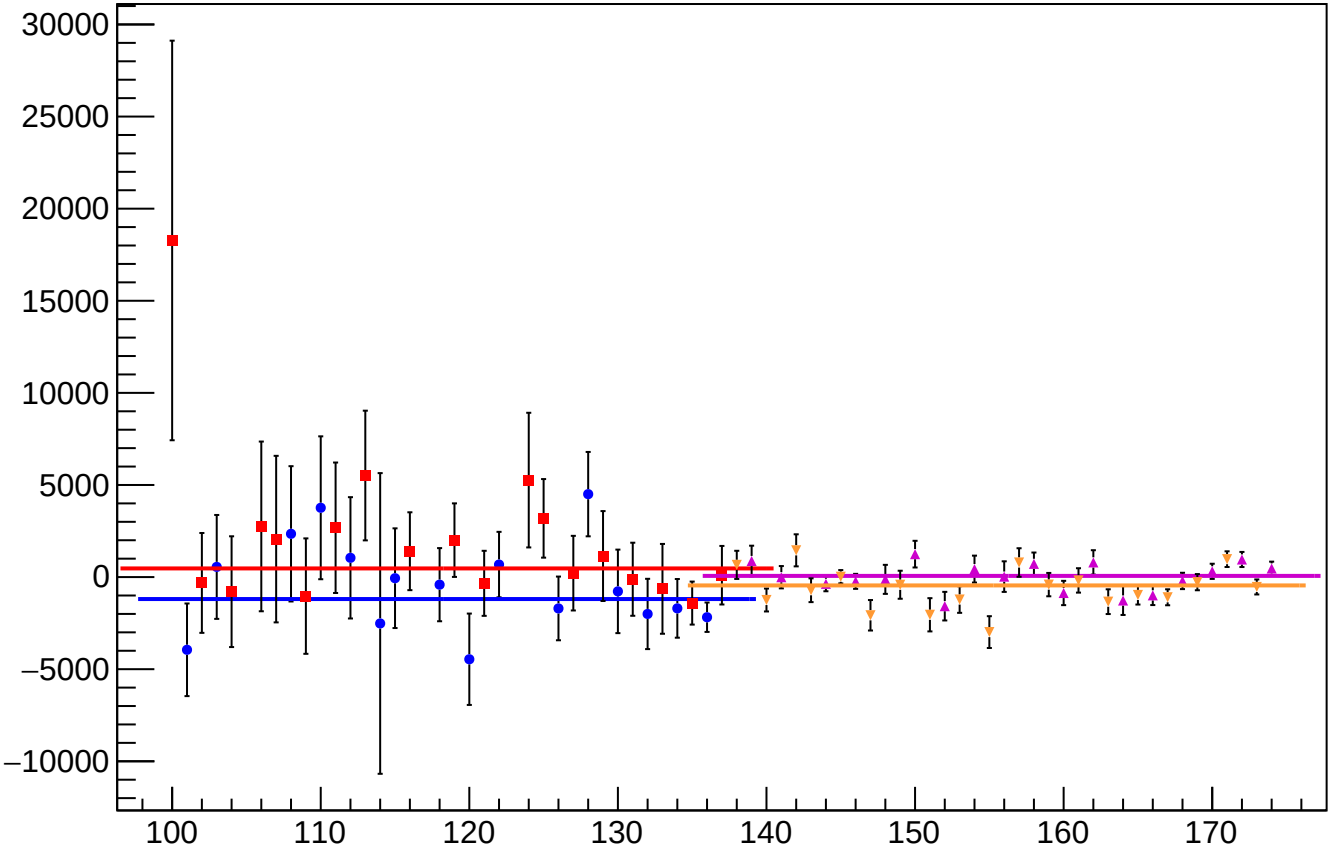
Right: 124.013+/-0.024 χ^2/NDF: 2765325.4/34

In: 84.995+/-0.013 χ^2/NDF:3350178.6/33

Out: 86.254+/-0.014 χ^2/NDF:3727276.6/37

All: 85.618+/-0.010 χ^2/NDF: 7081845.9/71

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1192.145+/-478.909 χ^2/NDF: 15.9/15

Left Out: -452.801+/-131.648 χ^2/NDF:46.2/18

Right Out: 469.736+/-522.203 χ^2/NDF: 13.4/18

Left In: 64.558+/-127.591 χ^2/NDF:28.0/17

Left: -186.027+/-91.621 χ^2/NDF: 82.1/36

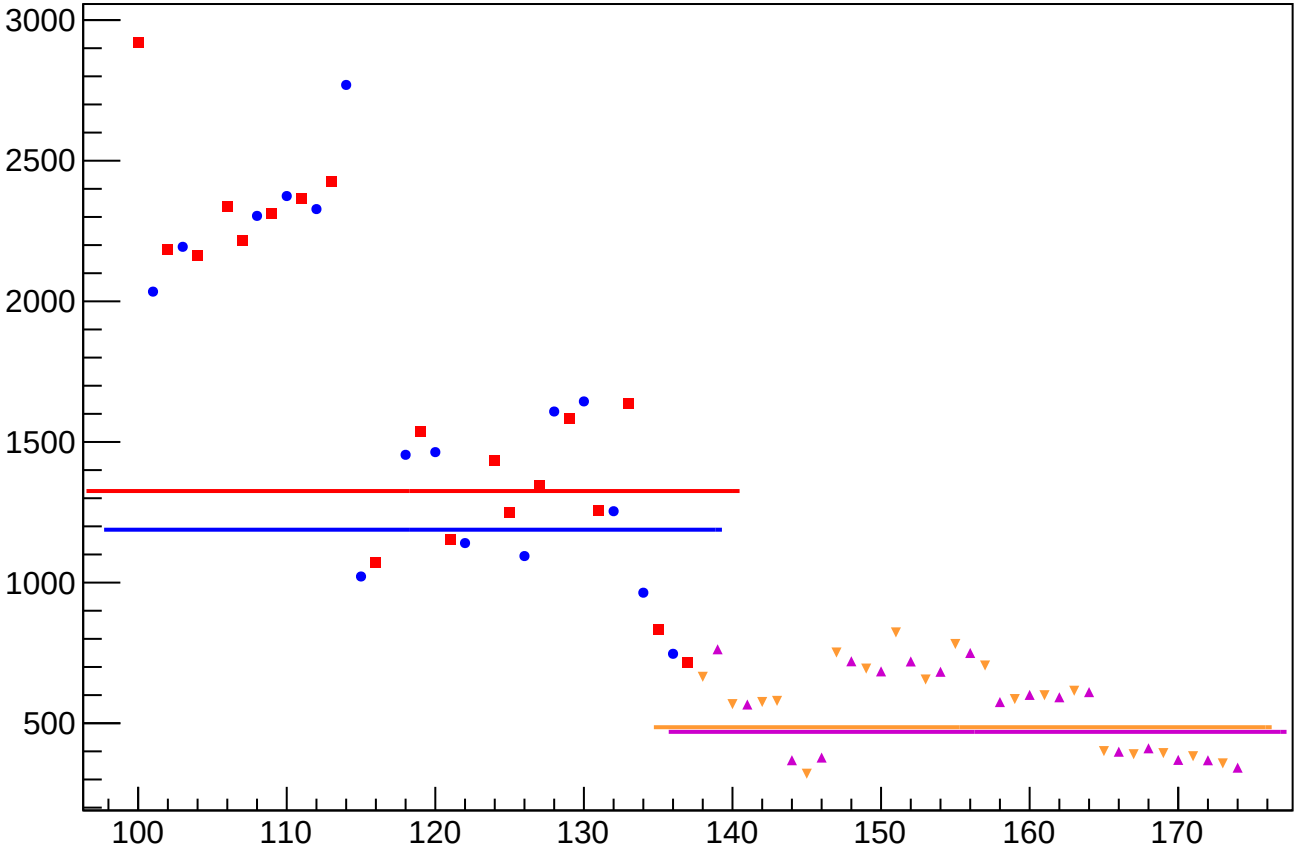
Right: -432.941+/-352.955 χ^2/NDF: 34.8/34

In: -18.731+/-123.291 χ^2/NDF:50.3/33

Out: -397.672+/-127.654 χ^2/NDF:62.5/37

All: -201.614+/-88.682 χ^2/NDF: 117.3/71

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: 485.845+/-0.093 χ^2/NDF:2505301.6/18

Right Out: 1325.564+/-0.369 χ^2/NDF: 1920986.7/18

Left In: 469.336+/-0.090 χ^2/NDF:2328827.5/17

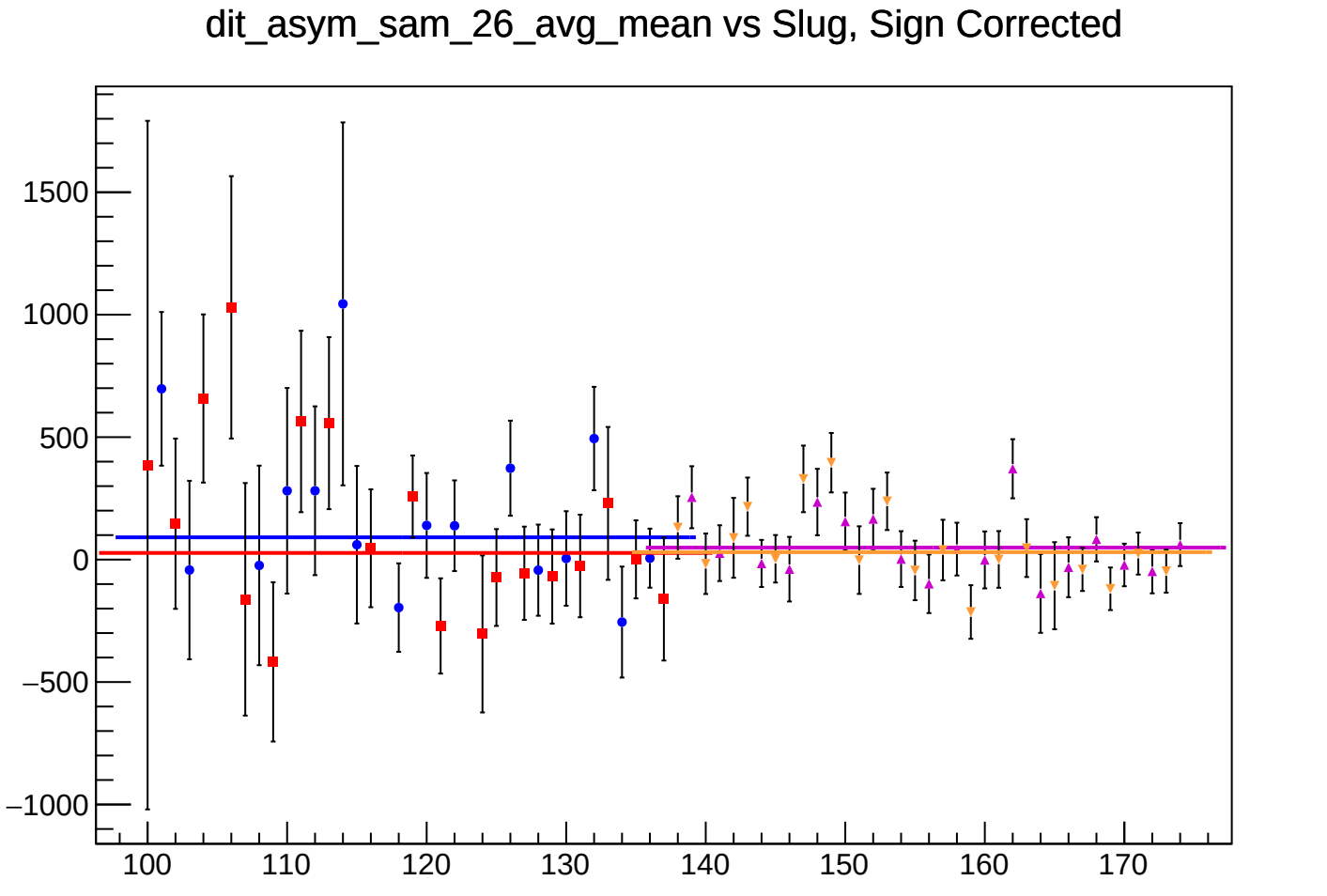
Left: 477.332+/-0.065 χ^2/NDF: 4850346.2/36

Right: 1250.882+/-0.250 χ^2/NDF: 4040963.9/34

In: 516.971+/-0.087 χ^2/NDF:8579585.8/33

Out: 536.024+/-0.090 χ^2/NDF:9288785.6/37

All: 526.166+/-0.063 χ^2/NDF: 17891423.9/71



Right In: 90.908+/-55.565 χ^2/NDF: 18.1/15

Left Out: 30.390+/-25.740 χ^2/NDF:30.9/18

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.021+/-25.930 χ^2/NDF:19.9/17

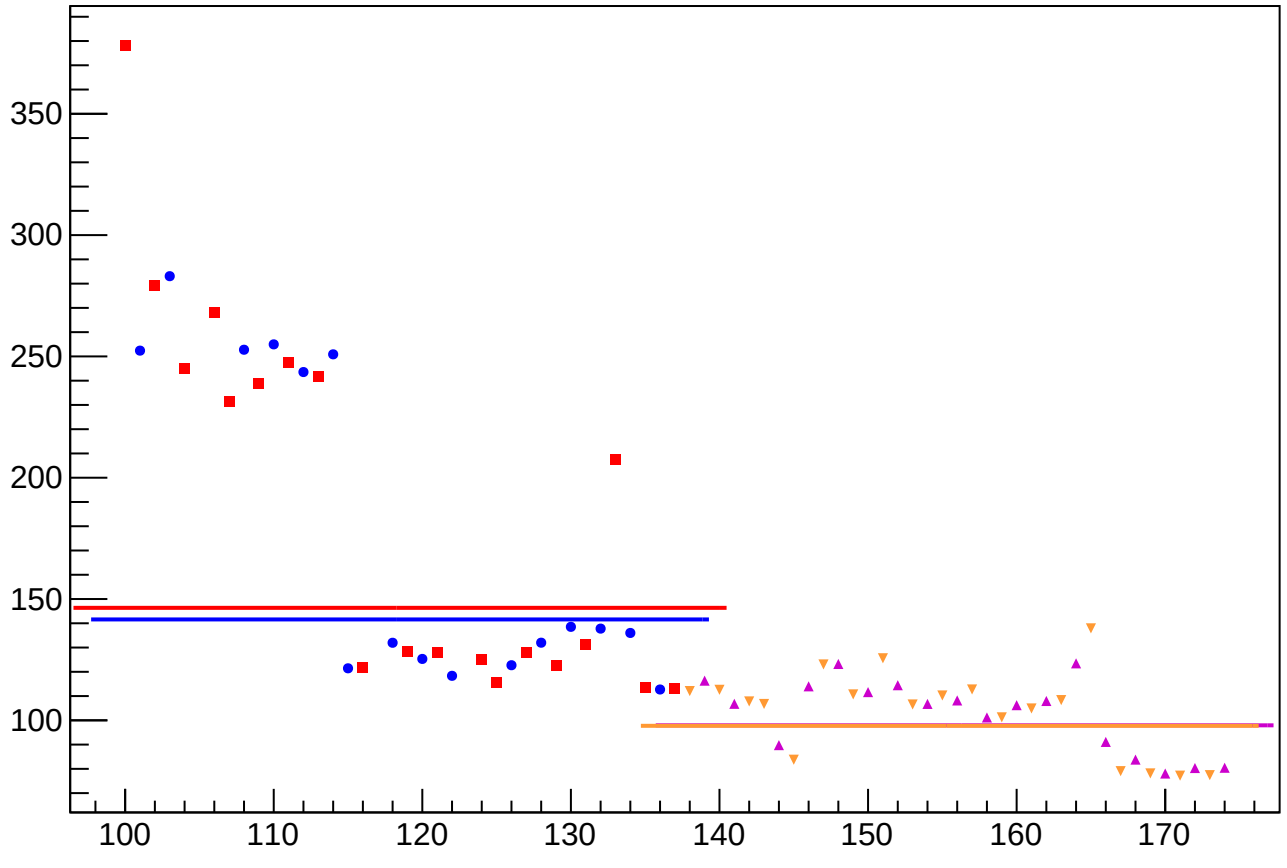
Left: 39.637+/-18.268 χ^2/NDF: 51.1/36

Right: 59.860+/-39.793 χ^2/NDF: 39.3/34

In: 56.512+/-23.498 χ^2/NDF:38.5/33

Out: 29.845+/-23.460 χ^2/NDF:51.5/37

All: 43.157+/-16.602 χ^2/NDF: 90.6/71



Right In: 141.586+/-0.039 χ^2/NDF: 1262366.8/15

Left Out: 97.742+/-0.018 χ^2/NDF:890735.1/18

Right Out: 146.368+/-0.040 χ^2/NDF: 1513656.0/18

Left In: 97.941+/-0.018 χ^2/NDF:650091.8/17

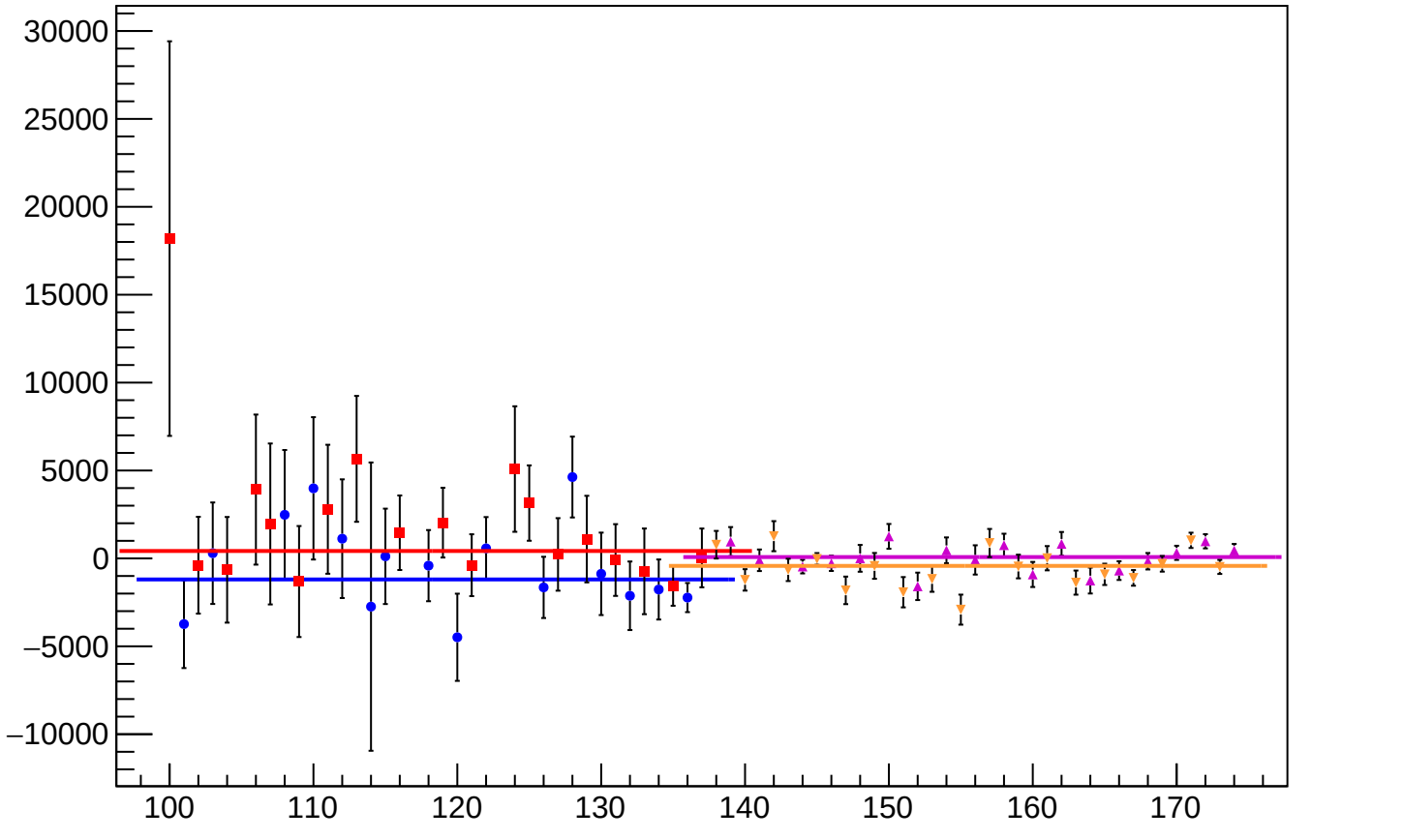
Left: 97.841+/-0.013 χ^2/NDF: 1540886.1/36

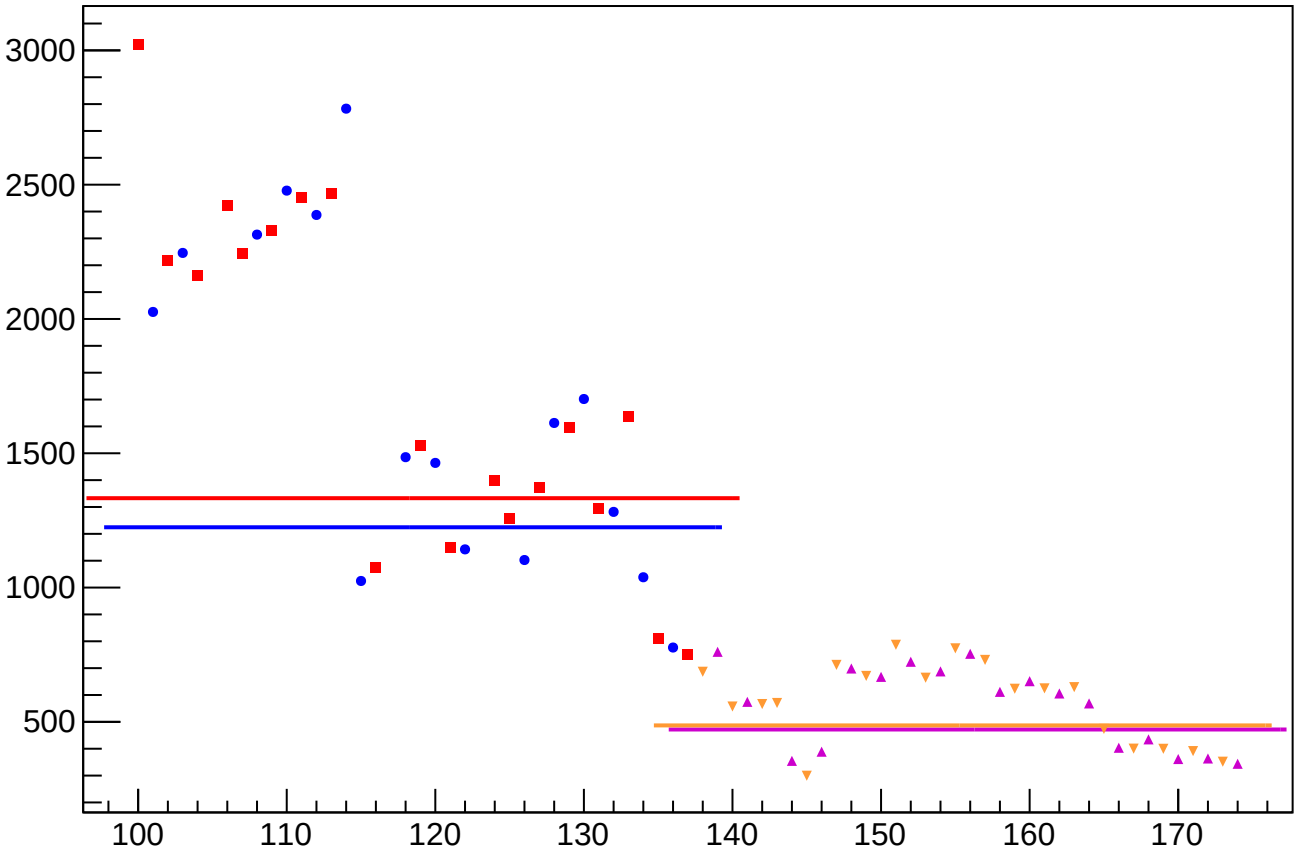
Right: 143.916+/-0.028 χ^2/NDF: 2783239.3/34

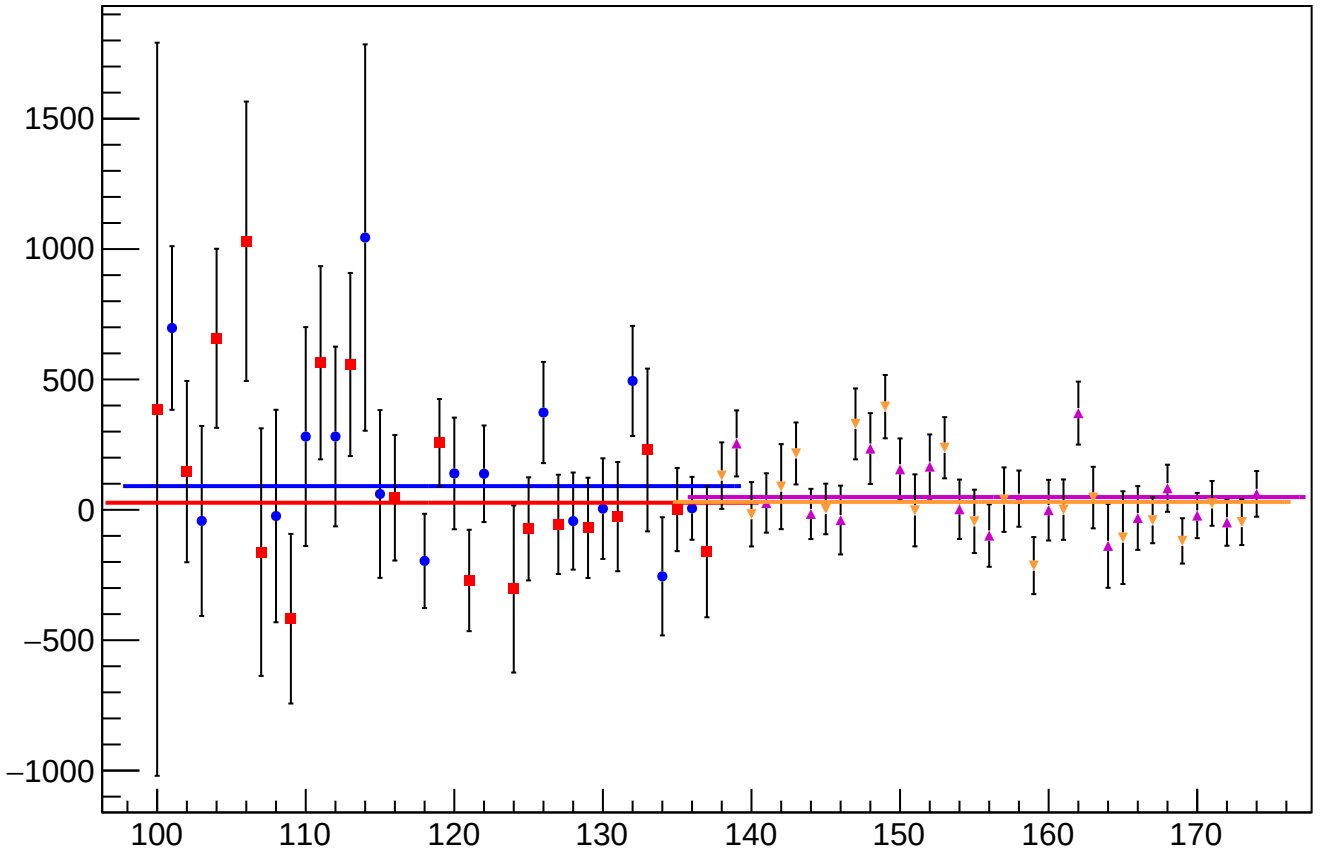
In: 105.746+/-0.017 χ^2/NDF:2925760.0/33

Out: 105.975+/-0.017 χ^2/NDF:3612852.5/37

All: 105.861+/-0.012 χ^2/NDF: 6538707.1/71


asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
110
120
130
140
150
160
170
Right In: -1196.663+/-491.384 χ²/NDF: 16.0/15
Left Out: -425.210+/-131.845 χ²/NDF:44.4/18
Right Out: 422.161+/-523.834 χ²/NDF: 14.3/18
Left In: 77.197+/-128.587 χ²/NDF:27.6/17
Left: -167.723+/-92.055 χ²/NDF: 79.4/36
Right: -438.942+/-358.384 χ²/NDF: 35.3/34
In: -4.444+/-124.398 χ²/NDF:49.9/33
Out: -374.728+/-127.857 χ²/NDF:61.1/37
All: -184.509+/-89.160 χ²/NDF: 115.3/71


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: 486.815+/-0.093 χ²/NDF:2626007.3/18
Right Out: 1332.785+/-0.370 χ²/NDF: 1994811.5/18
Left In: 471.568+/-0.091 χ²/NDF:2396327.9/17
Left: 479.001+/-0.065 χ²/NDF: 5036042.7/36
Right: 1275.169+/-0.253 χ²/NDF: 3999659.2/34
In: 519.821+/-0.088 χ²/NDF:8750089.6/33
Out: 537.213+/-0.090 χ²/NDF:9526246.3/37
All: 528.279+/-0.063 χ²/NDF: 18295347.5/71



Right In: 90.910+/-55.564 χ^2/NDF: 18.1/15

Left Out: 30.388+/-25.740 χ^2/NDF:30.9/18

Right Out: 27.170+/-57.015 χ^2/NDF: 20.6/18

Left In: 49.019+/-25.930 χ^2/NDF:19.9/17

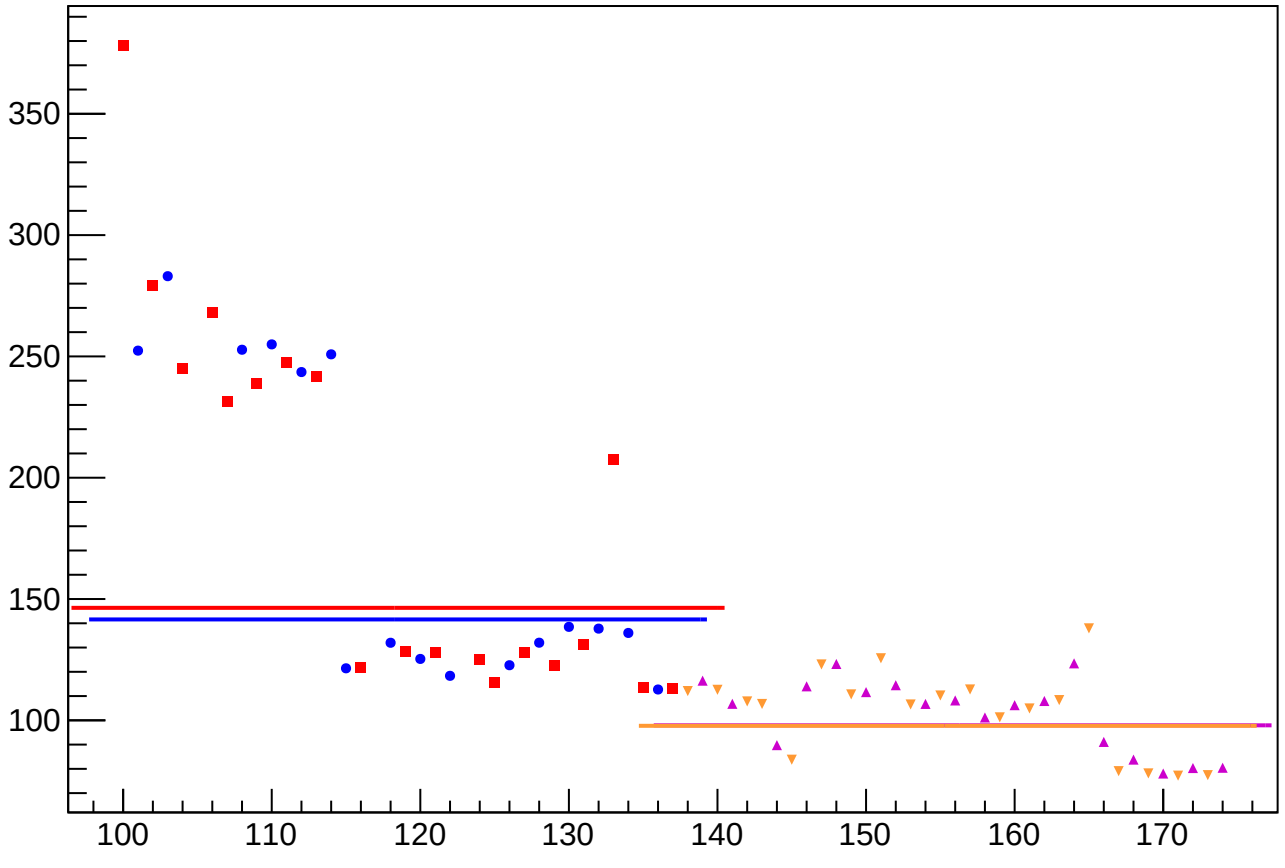
Left: 39.635+/-18.268 χ^2/NDF: 51.1/36

Right: 59.862+/-39.793 χ^2/NDF: 39.3/34

In: 56.511+/-23.498 χ^2/NDF:38.5/33

Out: 29.843+/-23.460 χ^2/NDF:51.5/37

All: 43.155+/-16.602 χ^2/NDF: 90.6/71



Right In: 141.586+/-0.039 χ^2/NDF: 1262350.2/15

Left Out: 97.742+/-0.018 χ^2/NDF:890731.9/18

Right Out: 146.368+/-0.040 χ^2/NDF: 1513641.5/18

Left In: 97.941+/-0.018 χ^2/NDF:650079.9/17

Left: 97.841+/-0.013 χ^2/NDF: 1540871.2/36

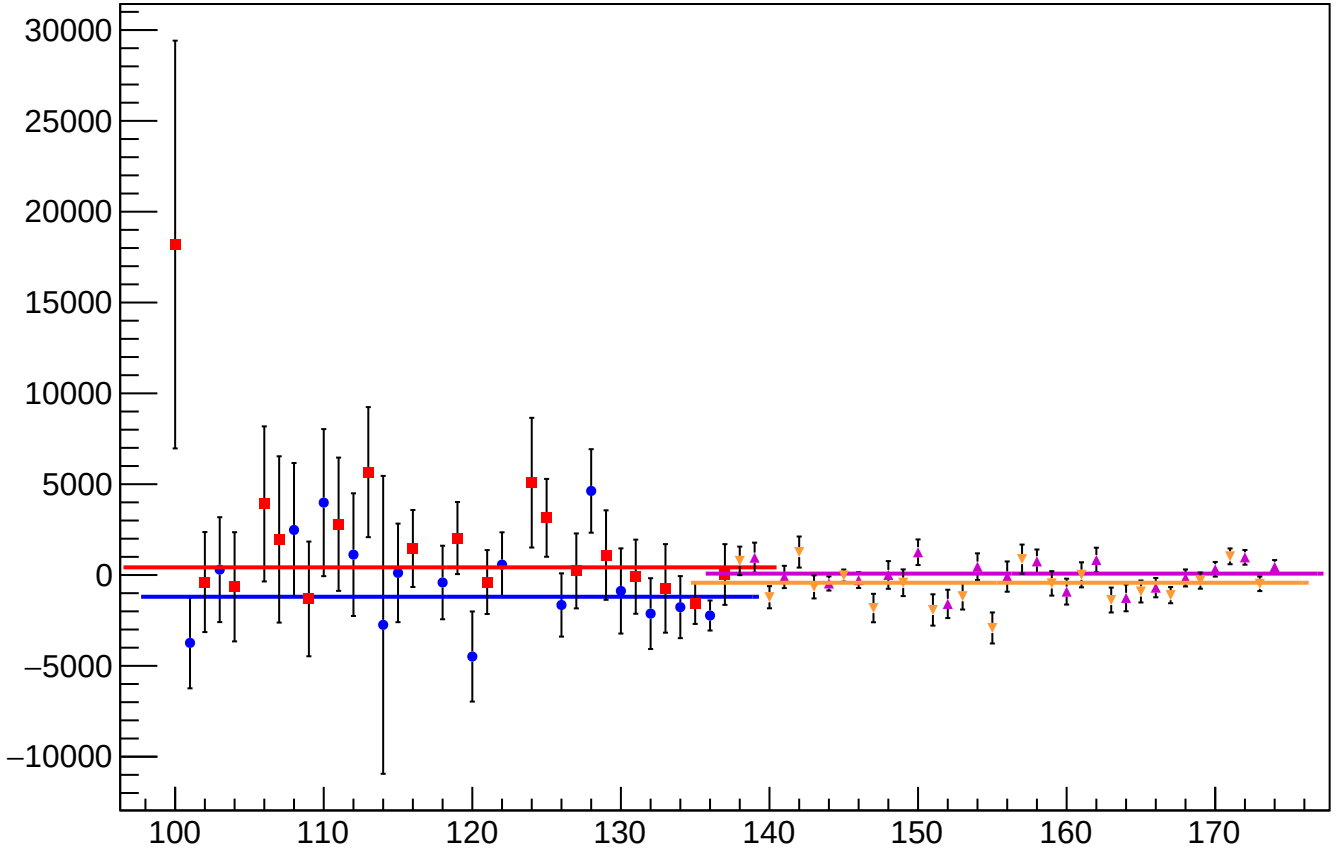
Right: 143.915+/-0.028 χ^2/NDF: 2783209.2/34

In: 105.747+/-0.017 χ^2/NDF:2925687.6/33

Out: 105.975+/-0.017 χ^2/NDF:3612809.2/37

All: 105.861+/-0.012 χ^2/NDF: 6538591.4/71

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1196.659+/-491.383 χ^2/NDF: 16.0/15

Left Out: -425.209+/-131.845 χ^2/NDF:44.4/18

Right Out: 422.163+/-523.833 χ^2/NDF: 14.3/18

Left In: 77.195+/-128.587 χ^2/NDF:27.6/17

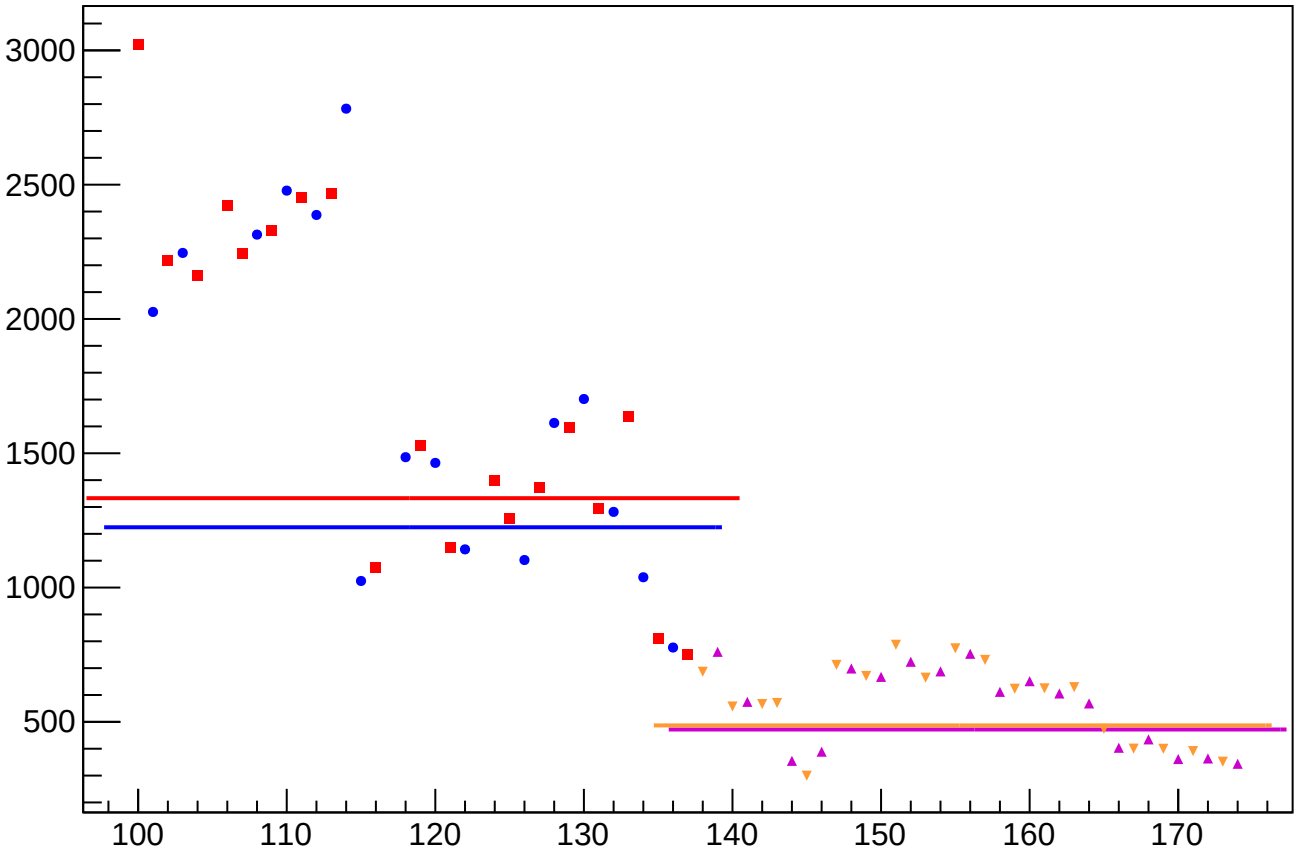
Left: -167.723+/-92.055 χ^2/NDF: 79.4/36

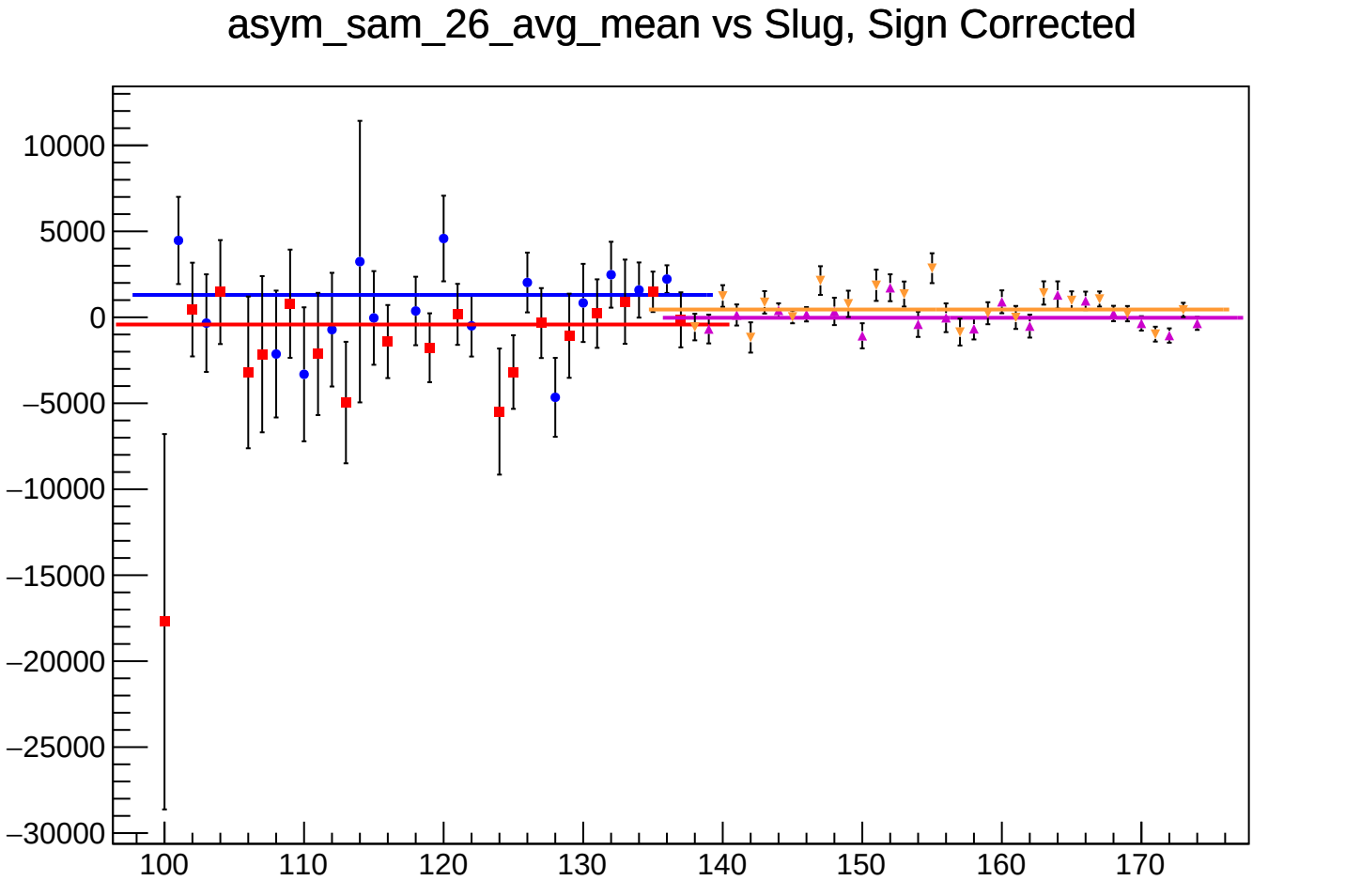
Right: -438.939+/-358.384 χ^2/NDF: 35.3/34

In: -4.445+/-124.398 χ^2/NDF:49.9/33

Out: -374.727+/-127.857 χ^2/NDF:61.1/37

All: -184.510+/-89.160 χ^2/NDF: 115.3/71


asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
110
120
130
140
150
160
170
Right In: 1224.470+/-0.347 χ²/NDF: 1959341.1/15
Left Out: 486.814+/-0.093 χ²/NDF:2626036.4/18
Right Out: 1332.784+/-0.370 χ²/NDF: 1994794.3/18
Left In: 471.568+/-0.091 χ²/NDF:2396328.4/17
Left: 479.000+/-0.065 χ²/NDF: 5036070.7/36
Right: 1275.168+/-0.253 χ²/NDF: 3999620.7/34
In: 519.821+/-0.088 χ²/NDF:8750073.5/33
Out: 537.212+/-0.090 χ²/NDF:9526272.1/37
All: 528.278+/-0.063 χ²/NDF: 18295355.2/71



Right In: 1301.623+/-481.959 χ^2/NDF: 16.5/15

Left Out: 453.550+/-133.492 χ^2/NDF:43.9/18

Right Out: -418.283+/-524.515 χ^2/NDF: 13.0/18

Left In: -27.379+/-129.482 χ^2/NDF:27.0/17

Left: 205.753+/-92.943 χ^2/NDF: 77.7/36

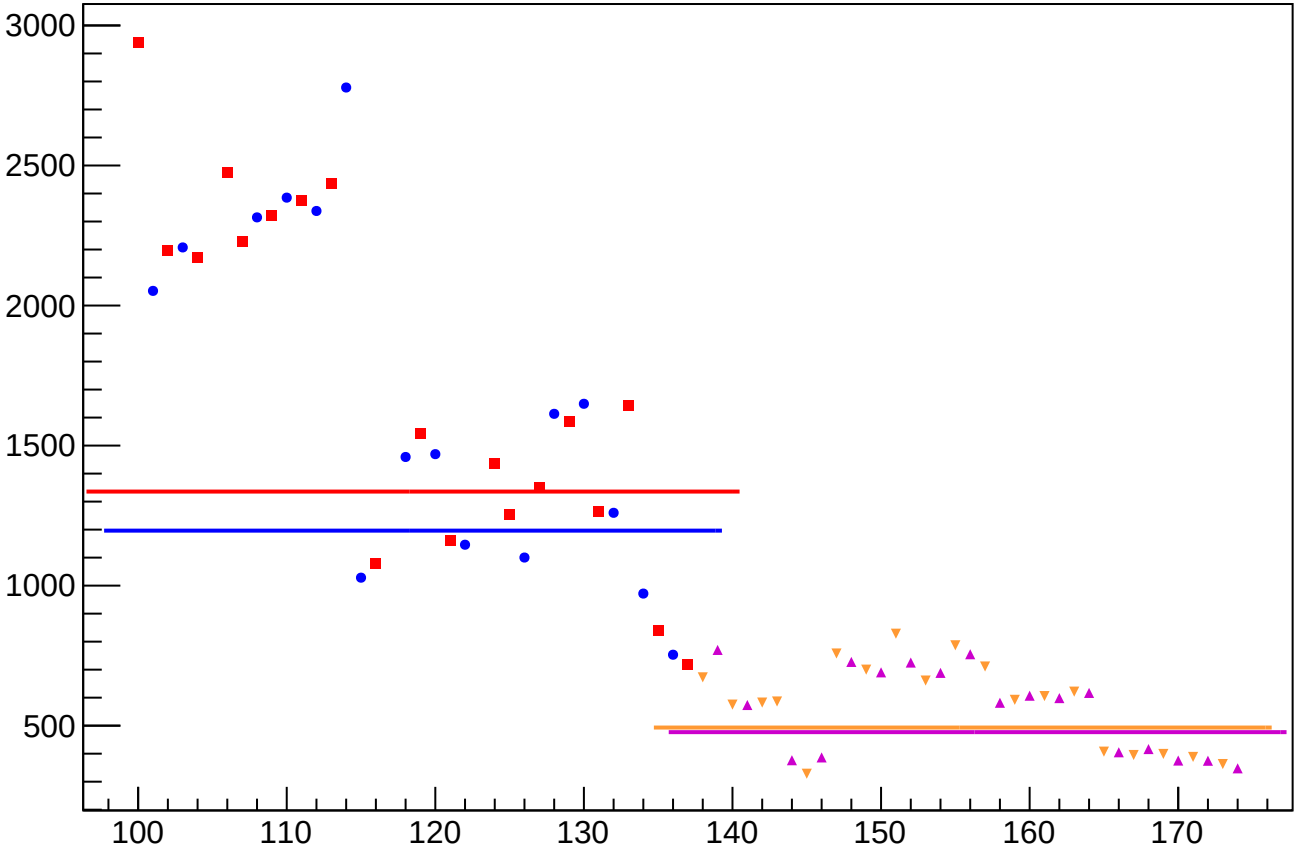
Right: 514.263+/-354.889 χ^2/NDF: 35.3/34

In: 62.087+/-125.048 χ^2/NDF:50.6/33

Out: 400.514+/-129.368 χ^2/NDF:59.6/37

All: 225.555+/-89.911 χ^2/NDF: 113.7/71

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1196.353+/-0.341 χ^2/NDF: 2031710.2/15

Left Out: 493.284+/-0.094 χ^2/NDF:2439386.5/18

Right Out: 1335.809+/-0.371 χ^2/NDF: 1951472.1/18

Left In: 476.861+/-0.092 χ^2/NDF:2269678.8/17

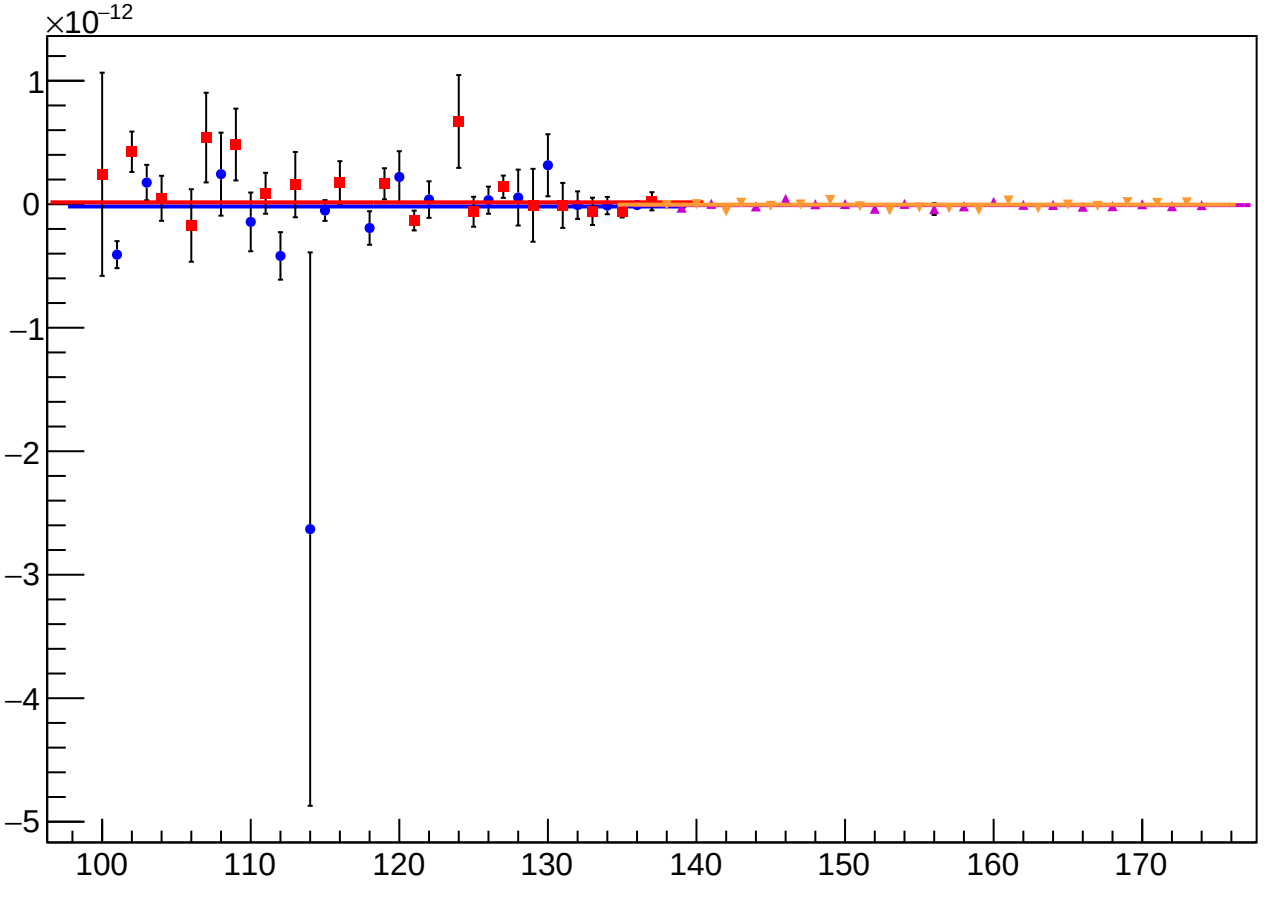
Left: 484.822+/-0.066 χ^2/NDF: 4724661.9/36

Right: 1260.195+/-0.251 χ^2/NDF: 4059839.9/34

In: 525.296+/-0.088 χ^2/NDF:8458539.4/33

Out: 544.537+/-0.091 χ^2/NDF:9237294.4/37

All: 534.590+/-0.064 χ^2/NDF: 17718705.9/71



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

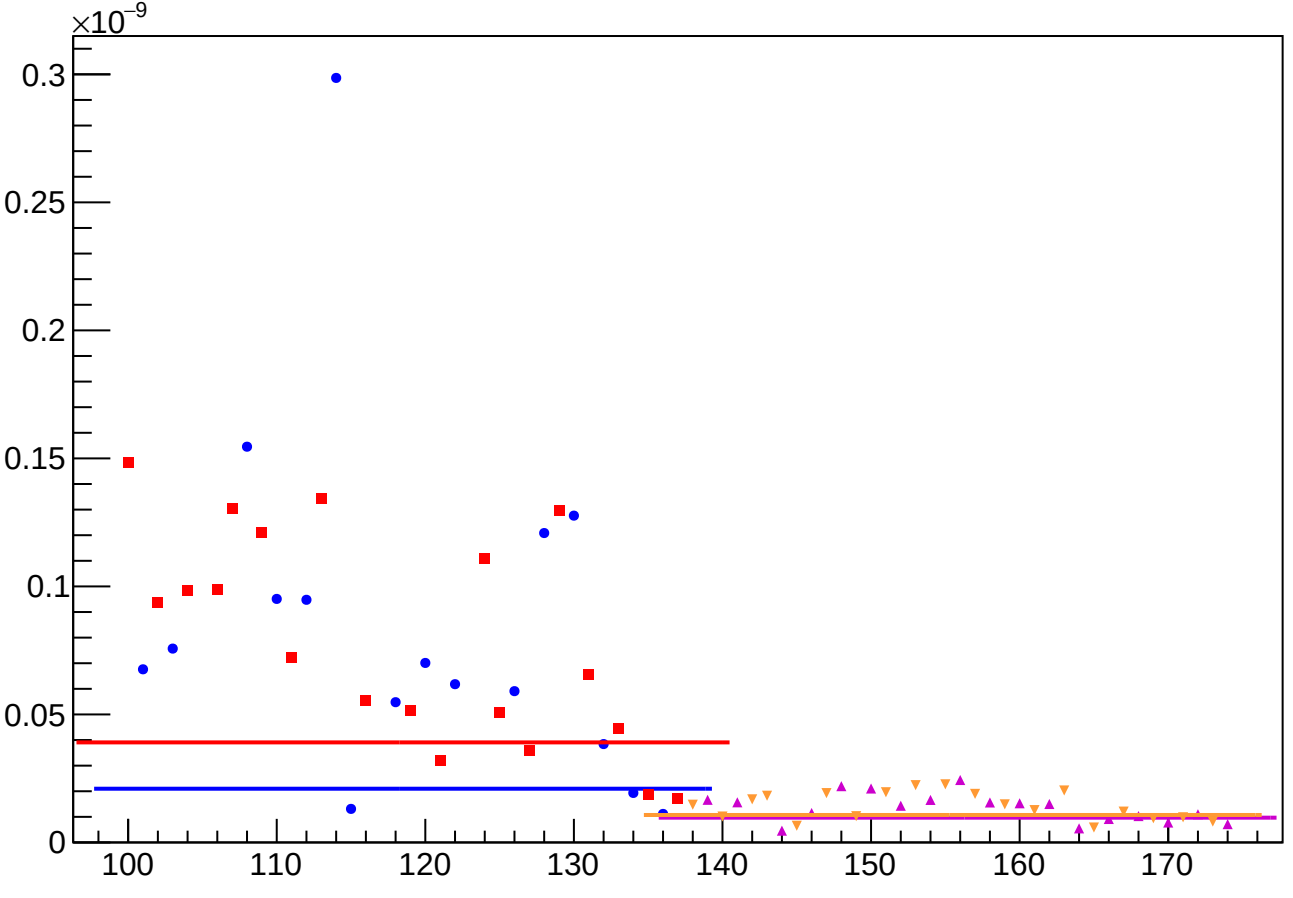
Left: -0.000+/-0.000 χ^2/NDF: 33.0/36

Right: -0.000+/-0.000 χ^2/NDF: 53.5/34

In: -0.000+/-0.000 χ^2/NDF:40.8/33

Out: -0.000+/-0.000 χ^2/NDF:45.0/37

All: -0.000+/-0.000 χ^2/NDF: 86.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 3380958.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1897824.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2073862.3/18

Left In: 0.000+/-0.000 χ^2/NDF:2168065.1/17

Left: 0.000+/-0.000 χ^2/NDF: 4116814.0/36

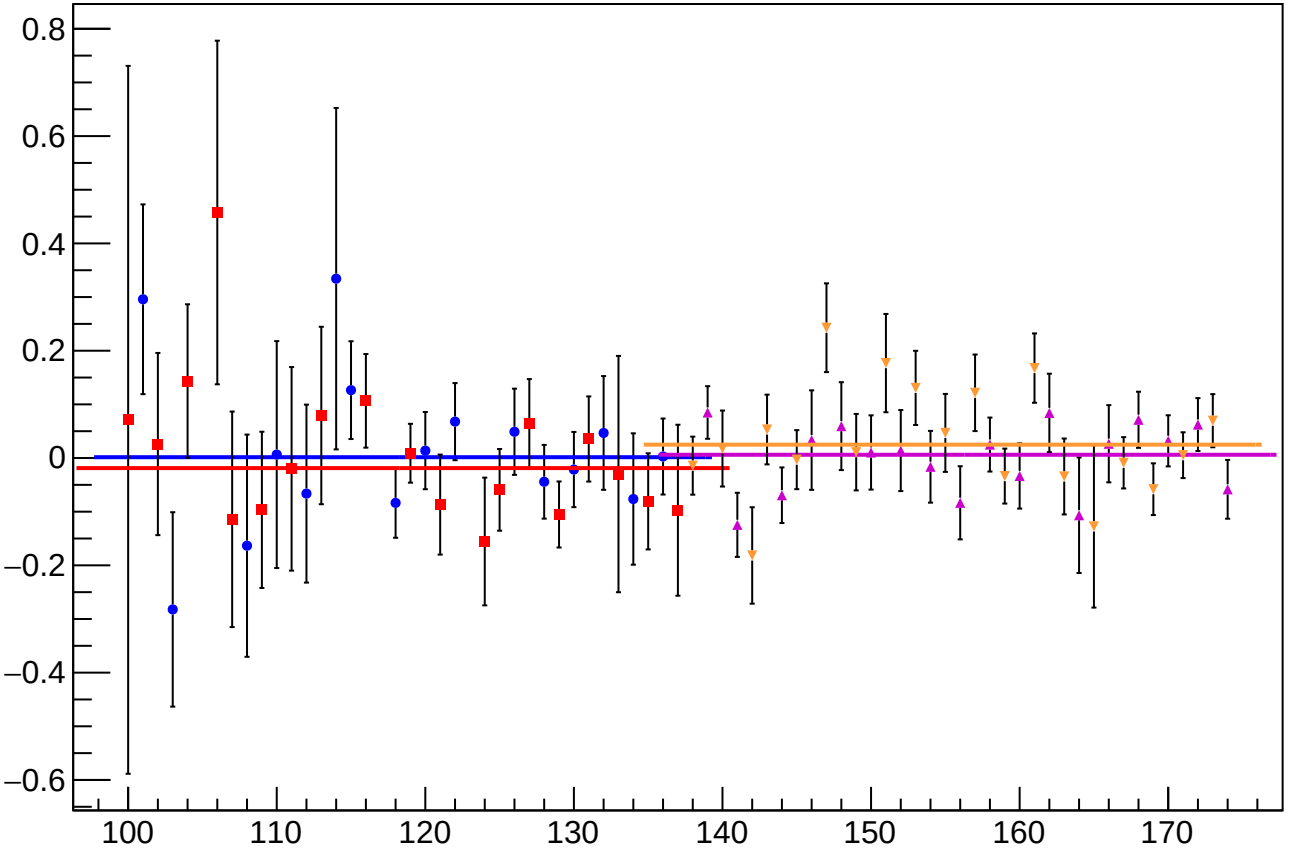
Right: 0.000+/-0.000 χ^2/NDF: 6062420.5/34

In: 0.000+/-0.000 χ^2/NDF:6305934.5/33

Out: 0.000+/-0.000 χ^2/NDF:6025142.9/37

All: 0.000+/-0.000 χ^2/NDF: 12396206.4/71

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

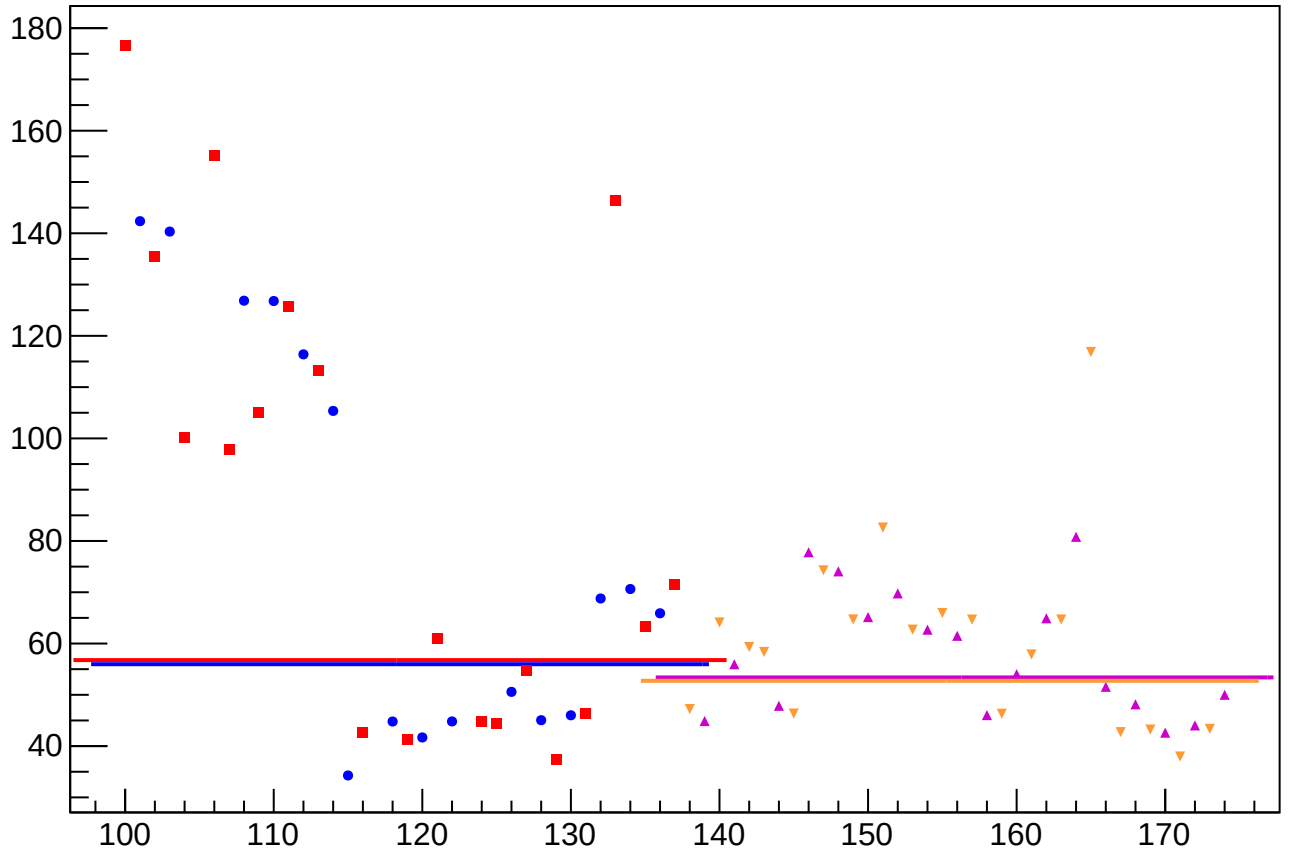
Left: 0.016+/-0.010 χ^2/NDF: 52.8/36

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.009+/-0.009 χ^2/NDF: 80.9/71



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 52.736+/-0.010 χ^2/NDF:1630885.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

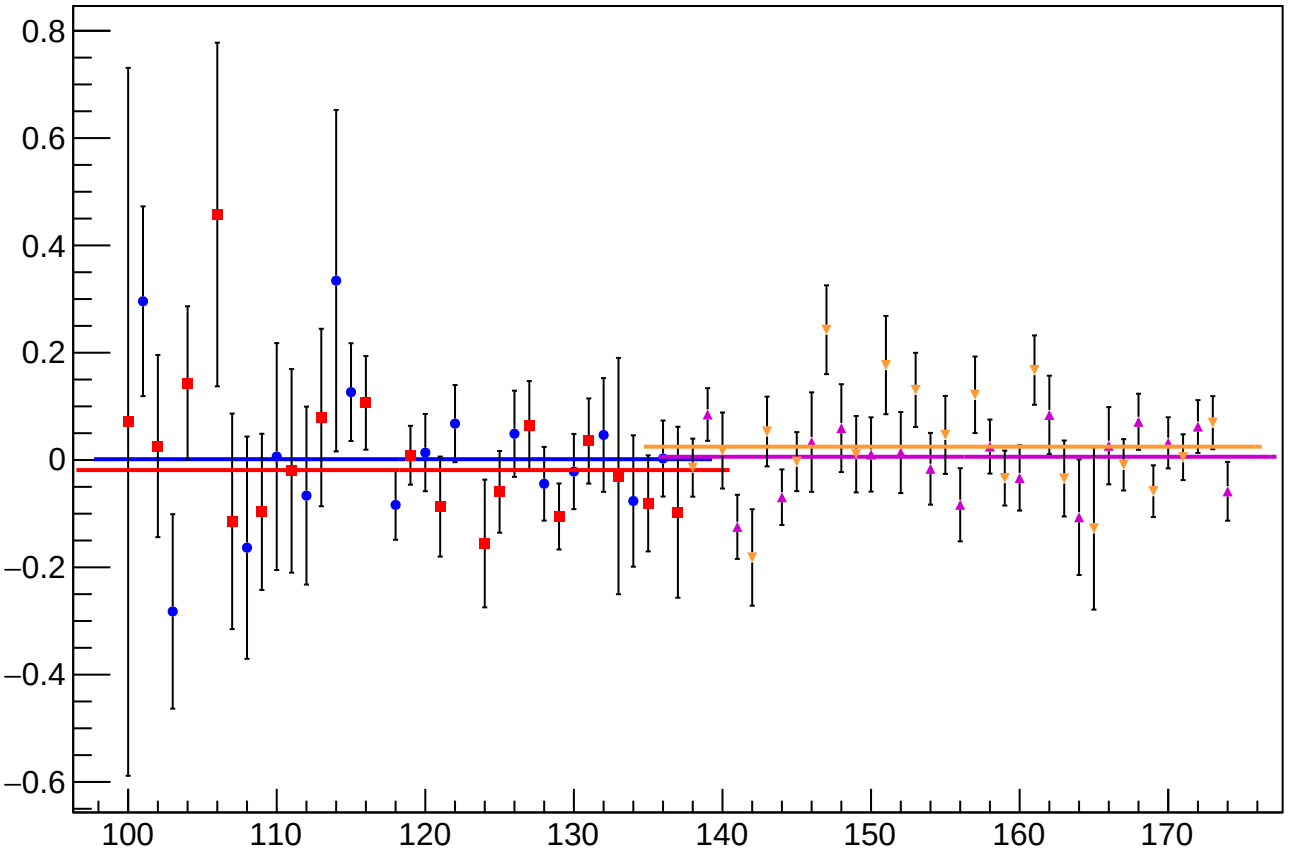
Left: 53.059+/-0.007 χ^2/NDF: 2630608.4/36

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.097+/-0.009 χ^2/NDF:3195031.7/33

Out: 53.811+/-0.009 χ^2/NDF:4227290.3/37

All: 53.952+/-0.006 χ^2/NDF: 7422871.4/71



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

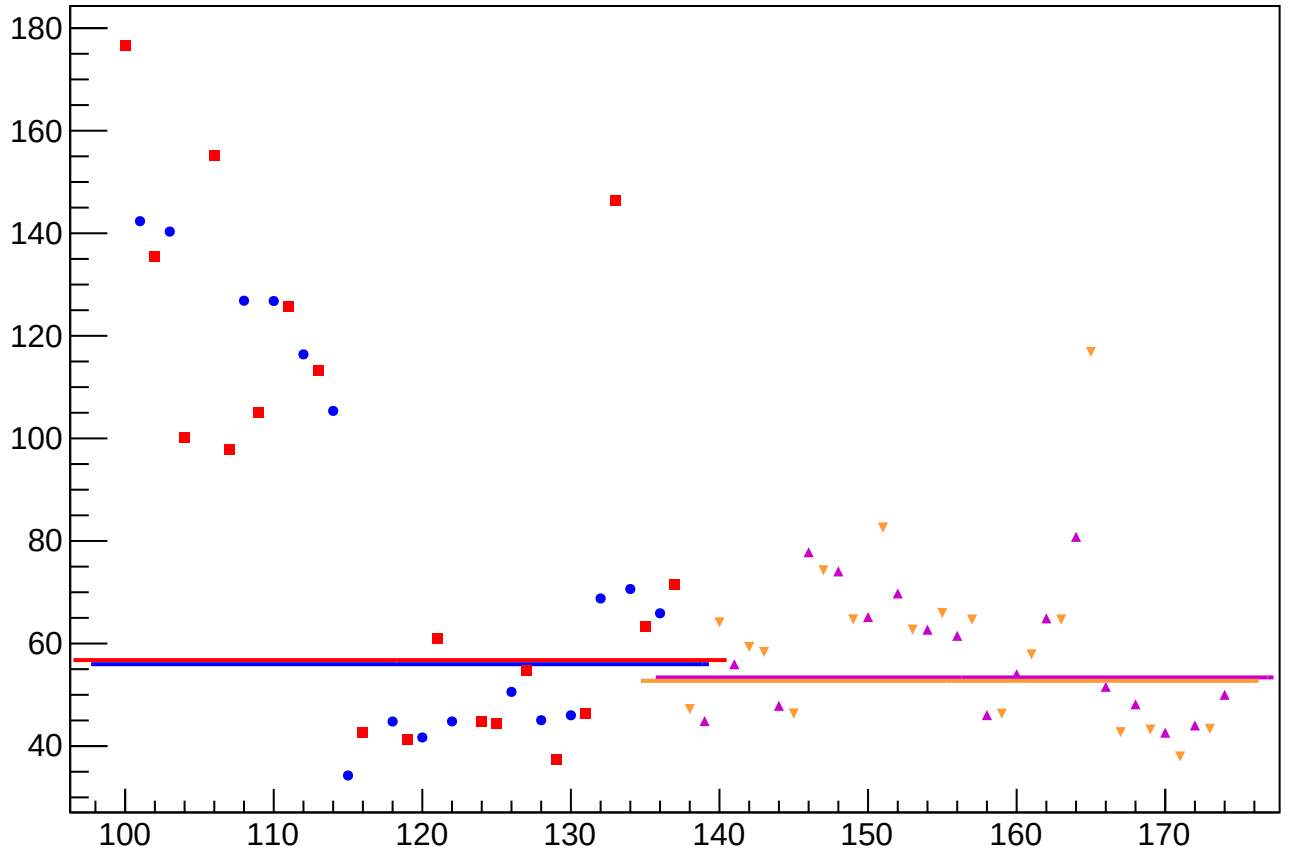
Left: 0.016+/-0.010 χ^2/NDF: 52.8/36

Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.009+/-0.009 χ^2/NDF: 80.9/71



Right In: 55.968+/-0.017 χ^2/NDF: 2179829.3/15

Left Out: 52.736+/-0.010 χ^2/NDF:1630885.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553223.5/18

Left In: 53.392+/-0.010 χ^2/NDF:997613.1/17

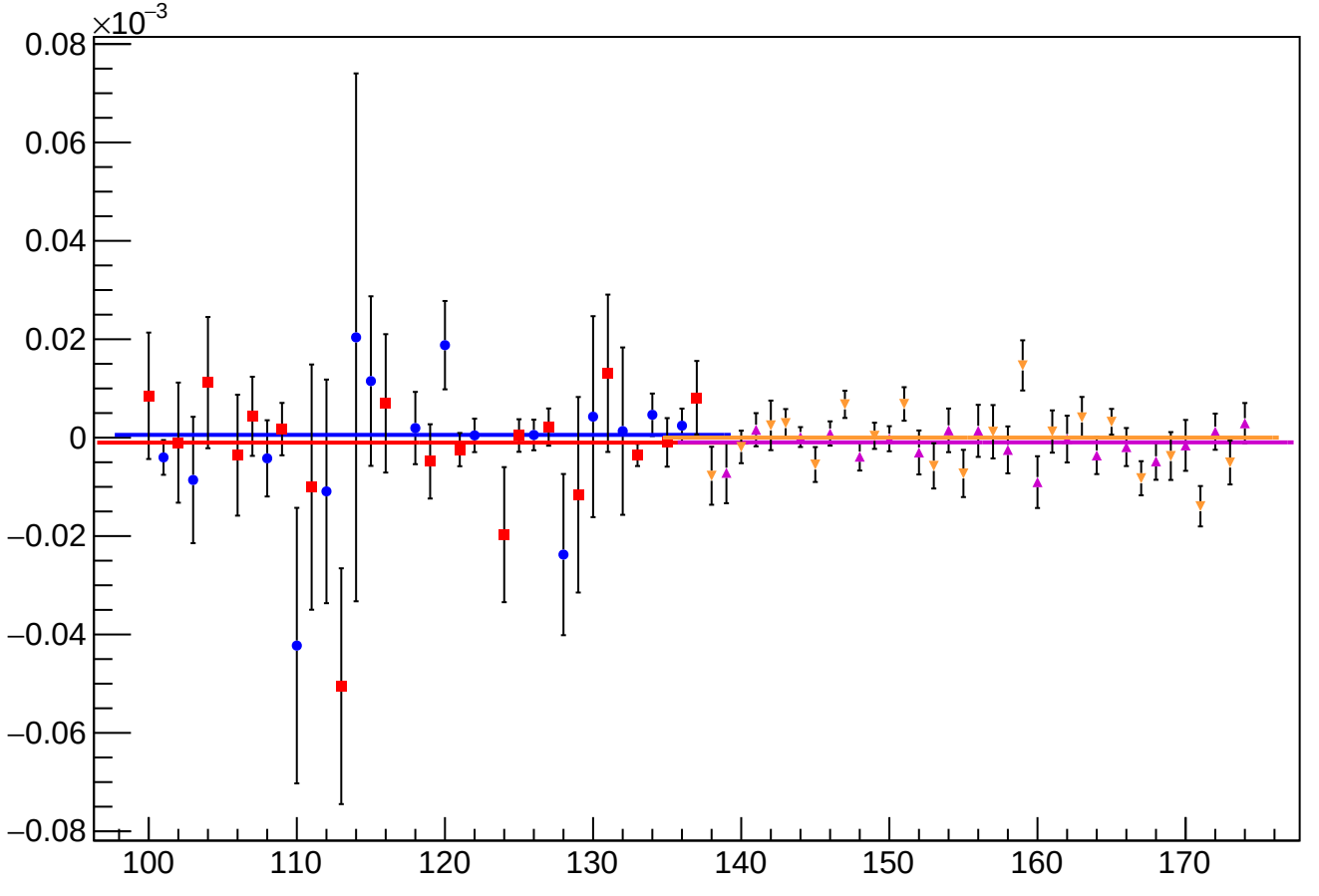
Left: 53.059+/-0.007 χ^2/NDF: 2630608.4/36

Right: 56.368+/-0.012 χ^2/NDF: 4734221.0/34

In: 54.097+/-0.009 χ^2/NDF:3195031.7/33

Out: 53.811+/-0.009 χ^2/NDF:4227290.3/37

All: 53.952+/-0.006 χ^2/NDF: 7422871.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: -0.000+/-0.000 χ^2/NDF:9.6/17

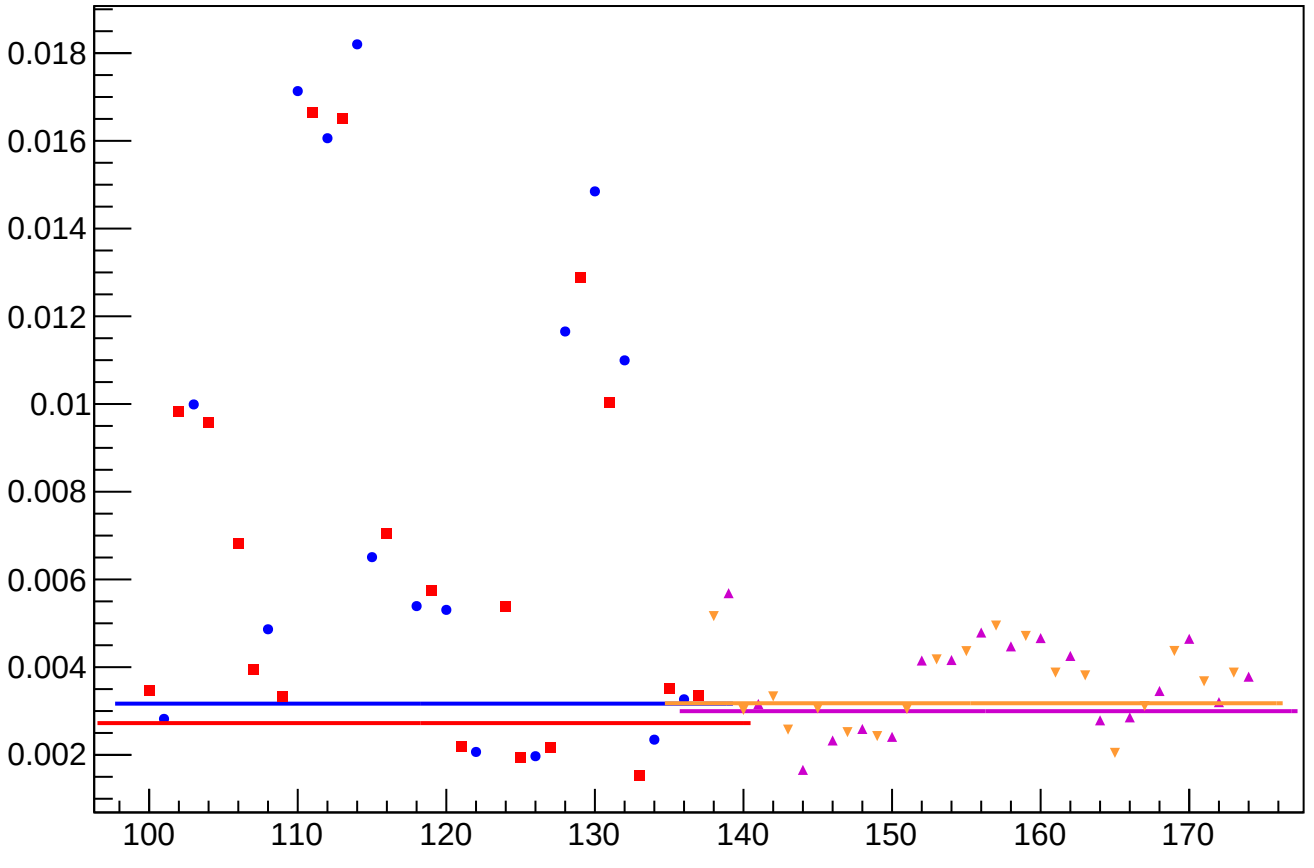
Left: -0.000+/-0.000 χ^2/NDF: 59.9/36

Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:23.7/33

Out: -0.000+/-0.000 χ^2/NDF:63.9/37

All: -0.000+/-0.000 χ^2/NDF: 87.6/71



Right In: 0.003+/-0.000 χ^2/NDF: 4545616.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:1883222.0/18

Right Out: 0.003+/-0.000 χ^2/NDF: 5153213.6/18

Left In: 0.003+/-0.000 χ^2/NDF:2913137.5/17

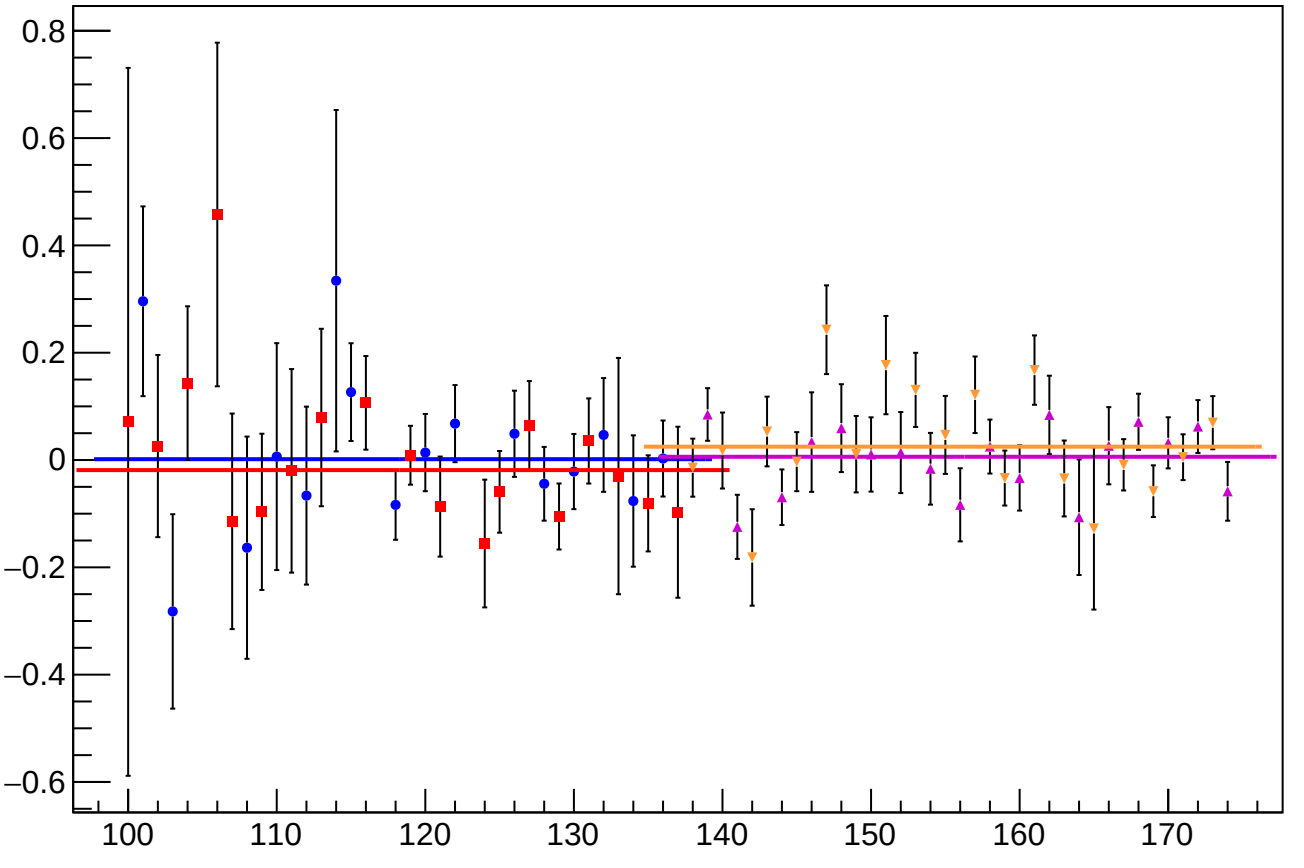
Left: 0.003+/-0.000 χ^2/NDF: 4842316.7/36

Right: 0.003+/-0.000 χ^2/NDF: 9804761.7/34

In: 0.003+/-0.000 χ^2/NDF:7479913.0/33

Out: 0.003+/-0.000 χ^2/NDF:7210805.6/37

All: 0.003+/-0.000 χ^2/NDF: 14690726.8/71



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

Left: 0.016+/-0.010 χ^2/NDF: 52.8/36

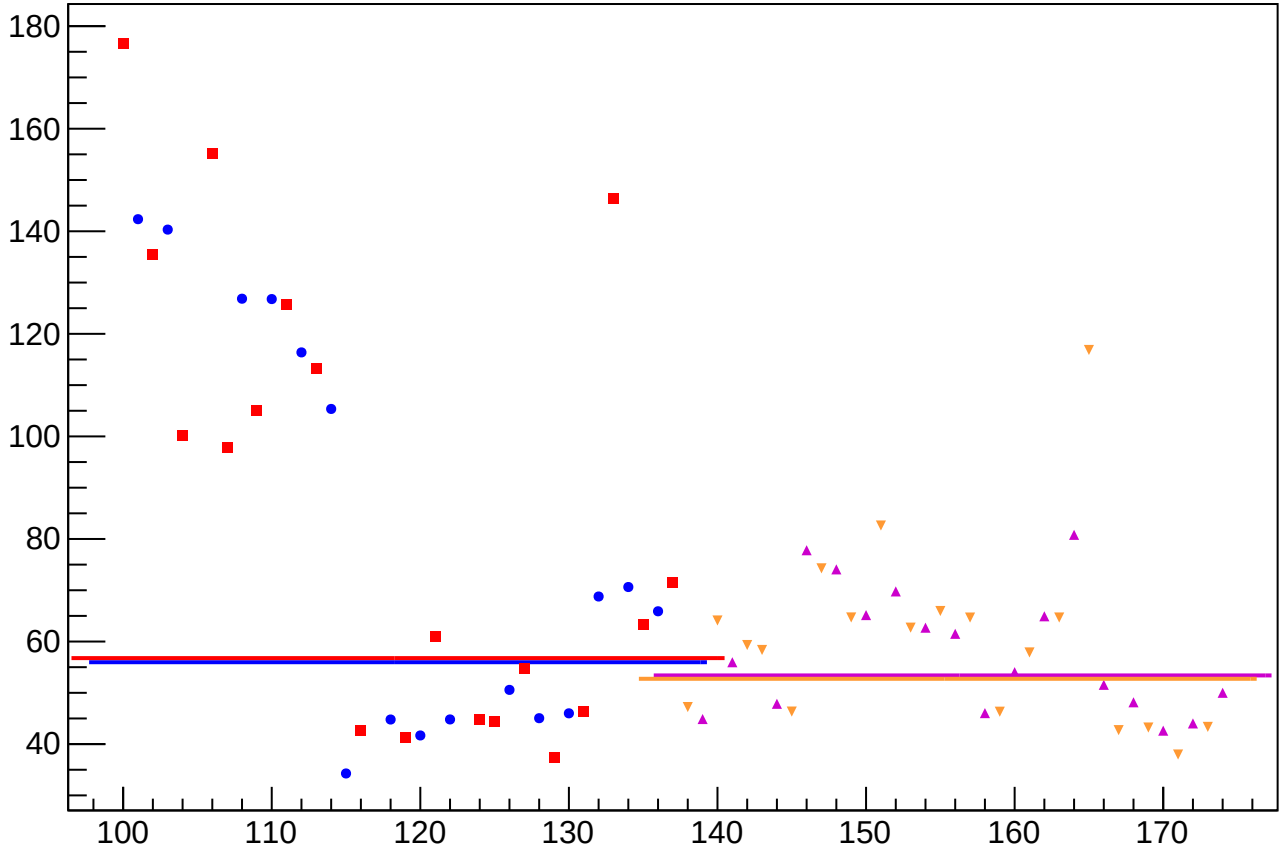
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.009+/-0.009 χ^2/NDF: 80.9/71

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 52.736+/-0.010 χ^2/NDF:1630872.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.392+/-0.010 χ^2/NDF:997590.8/17

Left: 53.060+/-0.007 χ^2/NDF: 2630574.7/36

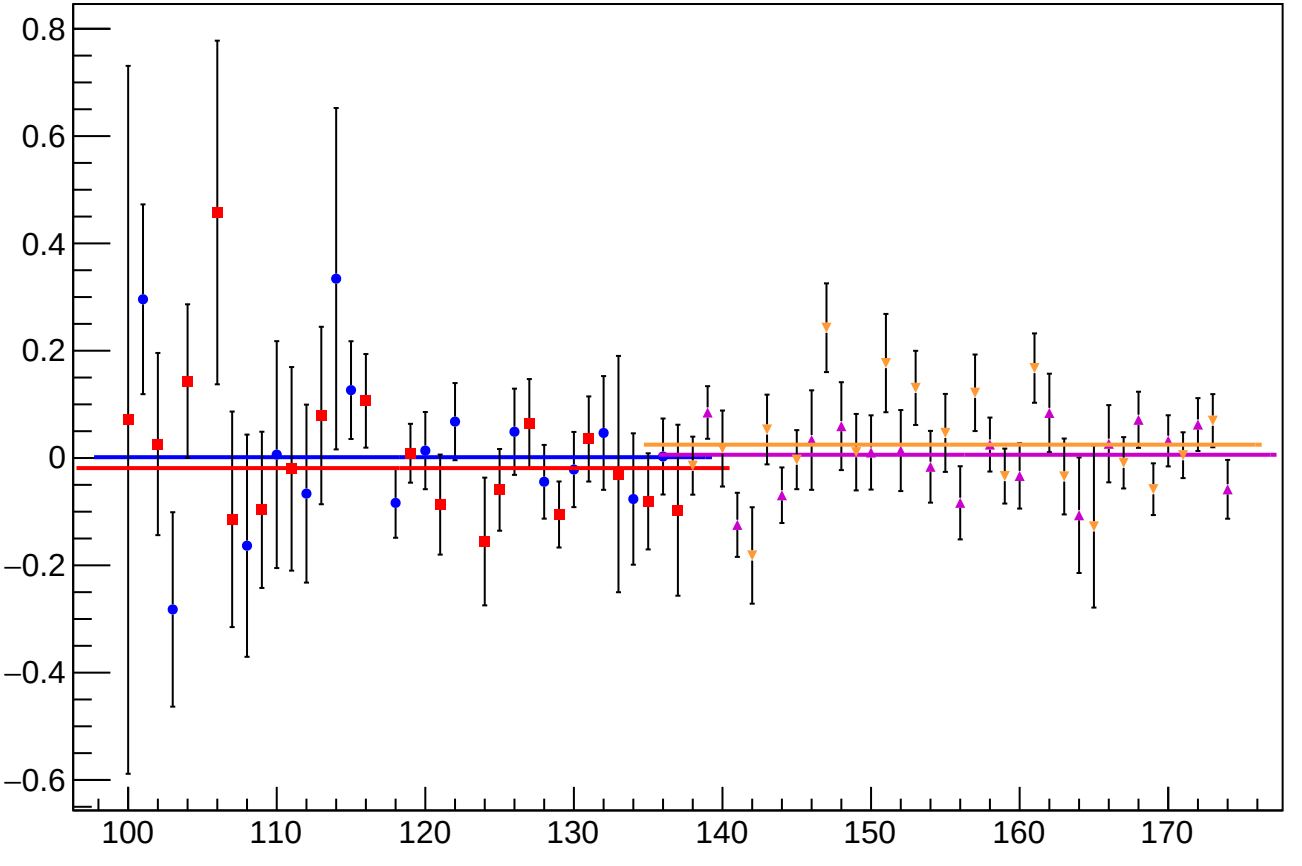
Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.097+/-0.009 χ^2/NDF:3194924.5/33

Out: 53.811+/-0.009 χ^2/NDF:4227201.7/37

All: 53.953+/-0.006 χ^2/NDF: 7422676.4/71

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.023 χ^2/NDF: 13.1/15

Left Out: 0.025+/-0.014 χ^2/NDF:32.7/18

Right Out: -0.019+/-0.024 χ^2/NDF: 13.1/18

Left In: 0.006+/-0.014 χ^2/NDF:19.3/17

Left: 0.016+/-0.010 χ^2/NDF: 52.8/36

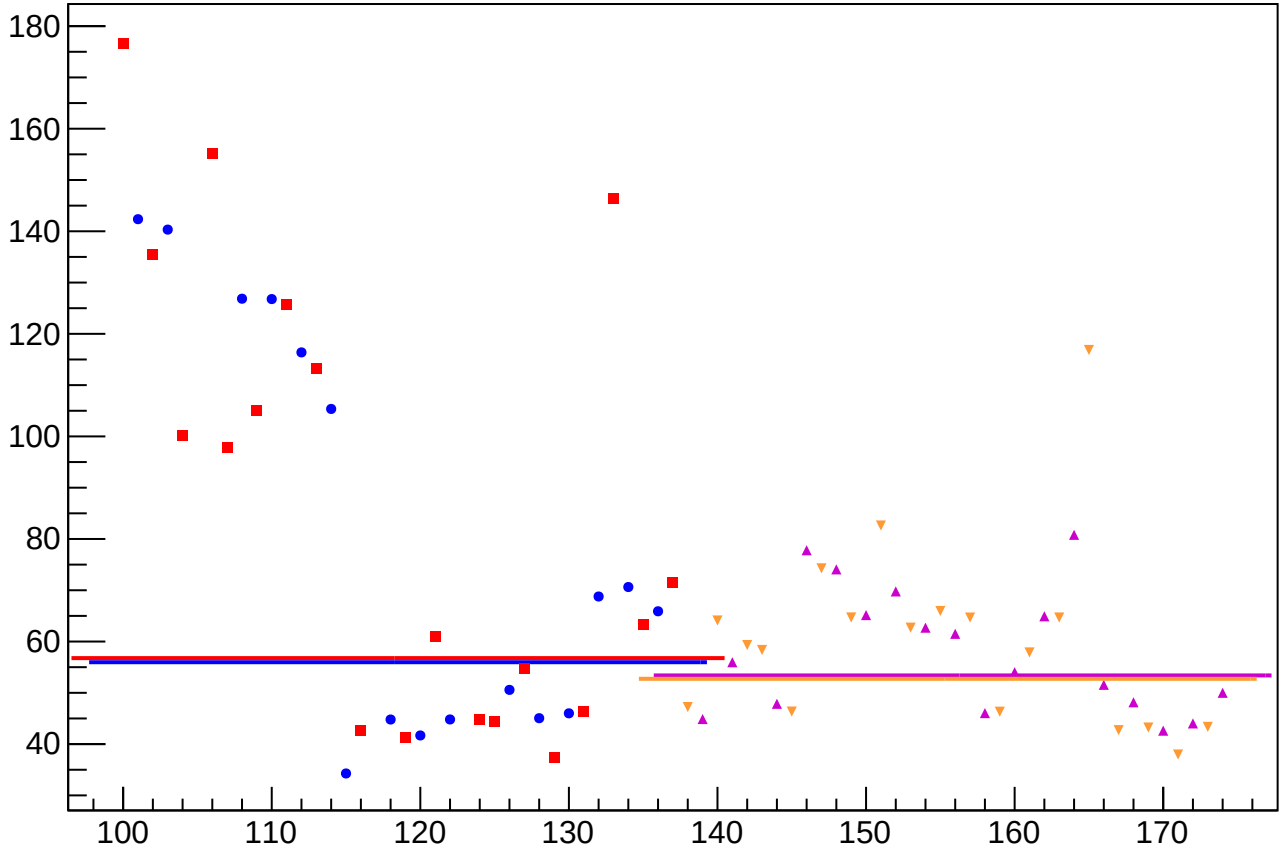
Right: -0.009+/-0.017 χ^2/NDF: 26.6/34

In: 0.005+/-0.012 χ^2/NDF:32.4/33

Out: 0.013+/-0.012 χ^2/NDF:48.3/37

All: 0.009+/-0.009 χ^2/NDF: 80.9/71

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.017 χ^2/NDF: 2179757.6/15

Left Out: 52.736+/-0.010 χ^2/NDF:1630872.7/18

Right Out: 56.770+/-0.017 χ^2/NDF: 2553168.3/18

Left In: 53.392+/-0.010 χ^2/NDF:997590.8/17

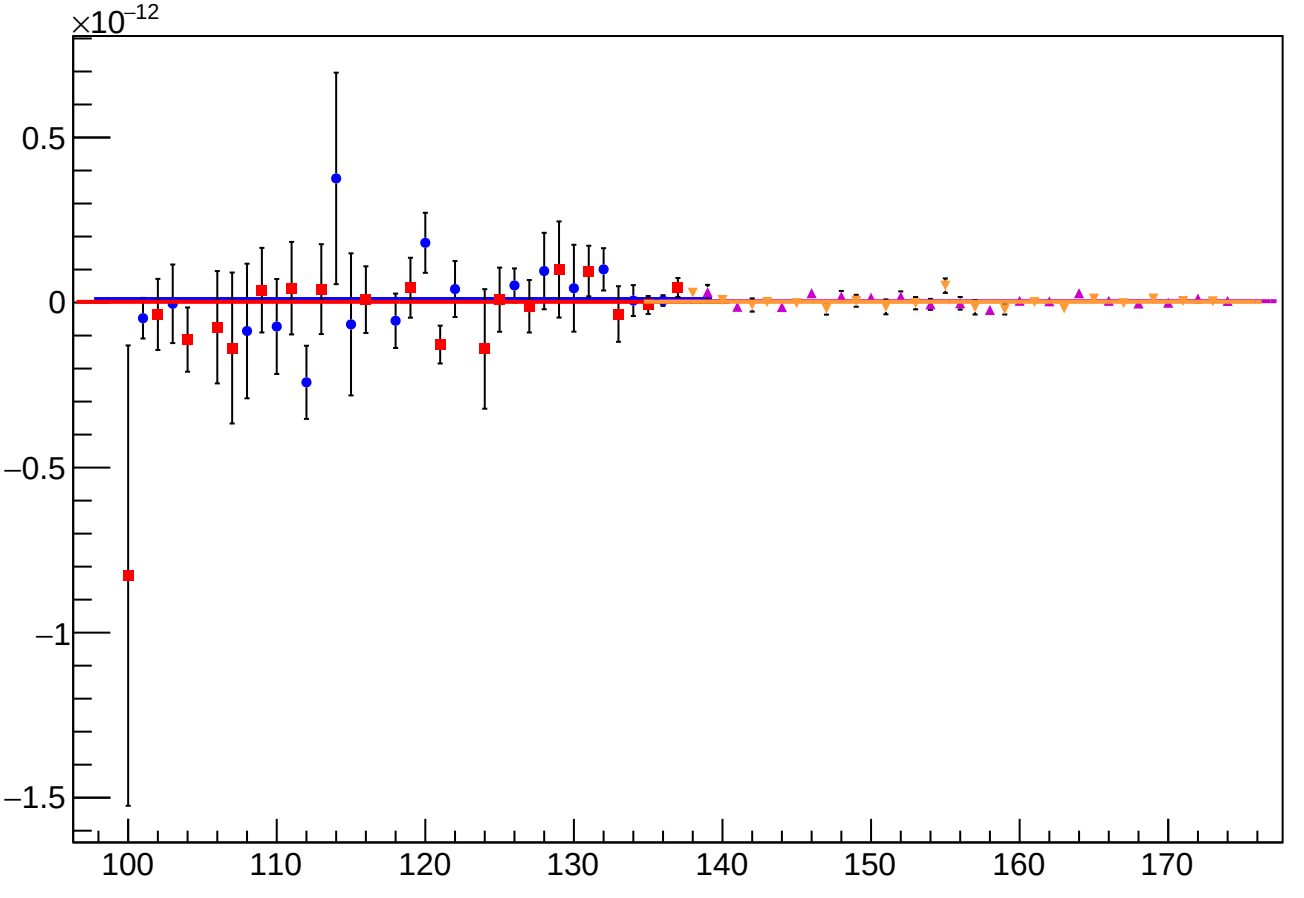
Left: 53.060+/-0.007 χ^2/NDF: 2630574.7/36

Right: 56.367+/-0.012 χ^2/NDF: 4734093.5/34

In: 54.097+/-0.009 χ^2/NDF:3194924.5/33

Out: 53.811+/-0.009 χ^2/NDF:4227201.7/37

All: 53.953+/-0.006 χ^2/NDF: 7422676.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: 0.000+/-0.000 χ^2/NDF:29.4/17

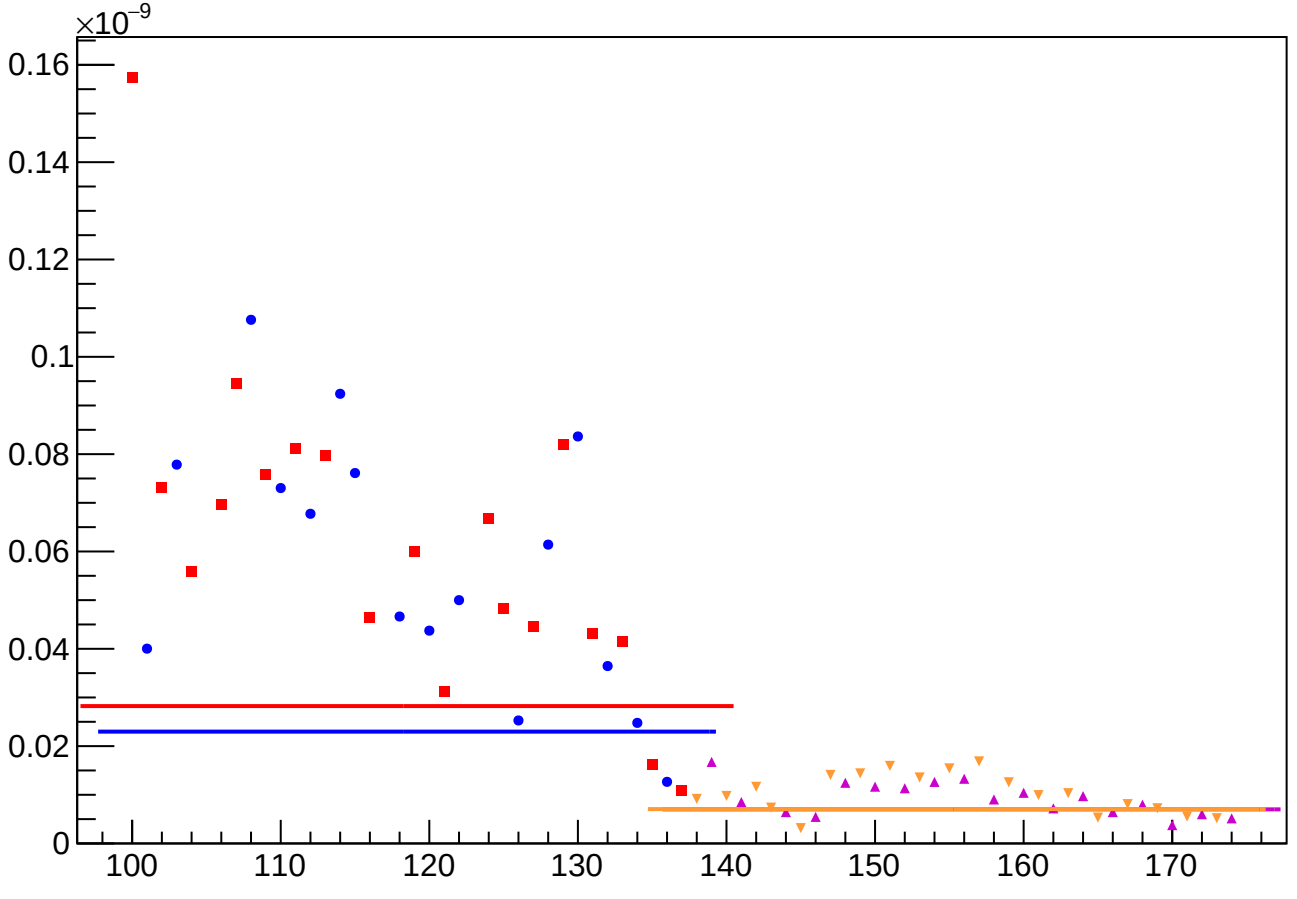
Left: 0.000+/-0.000 χ^2/NDF: 49.2/36

Right: 0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:45.3/33

Out: 0.000+/-0.000 χ^2/NDF:33.8/37

All: 0.000+/-0.000 χ^2/NDF: 79.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 3731982.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:4065871.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3820523.4/18

Left In: 0.000+/-0.000 χ^2/NDF:2572749.2/17

Left: 0.000+/-0.000 χ^2/NDF: 6639034.1/36

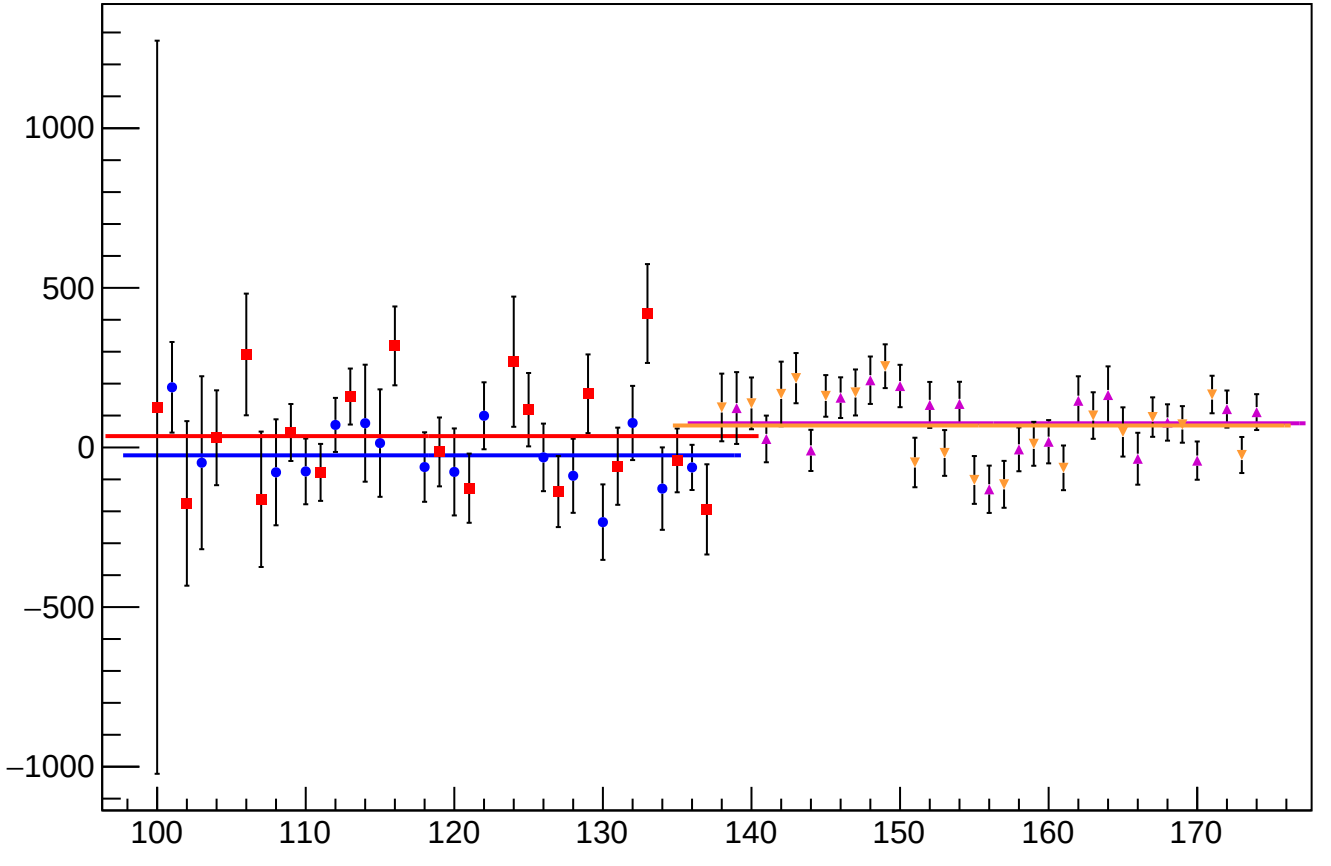
Right: 0.000+/-0.000 χ^2/NDF: 7687404.1/34

In: 0.000+/-0.000 χ^2/NDF:9238291.8/33

Out: 0.000+/-0.000 χ^2/NDF:11521638.2/37

All: 0.000+/-0.000 χ^2/NDF: 20760242.8/71

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -24.632+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.879+/-16.210 χ^2/NDF:42.2/18

Right Out: 35.582+/-28.454 χ^2/NDF: 30.1/18

Left In: 75.735+/-16.177 χ^2/NDF:30.2/17

Left: 72.314+/-11.451 χ^2/NDF: 72.5/36

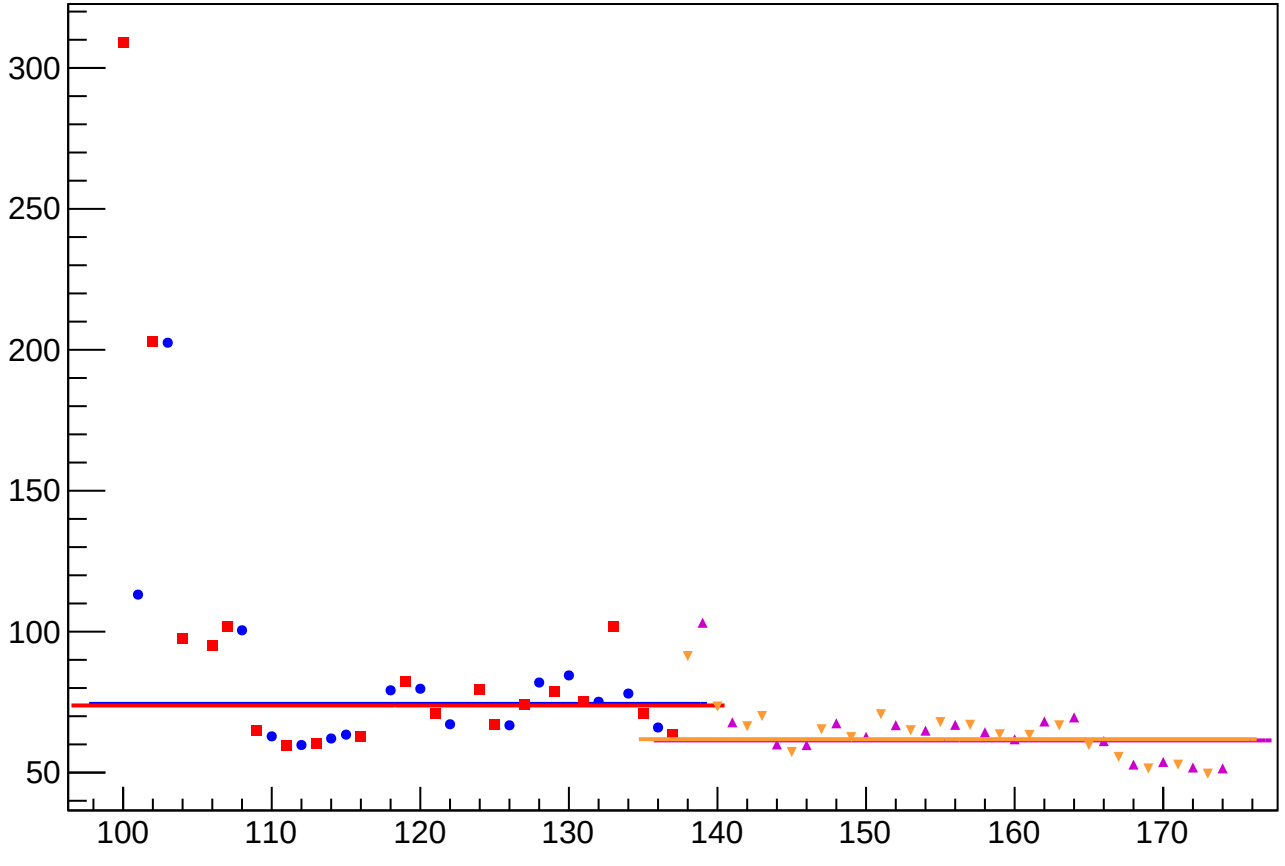
Right: 5.956+/-20.280 χ^2/NDF: 43.3/34

In: 51.806+/-14.117 χ^2/NDF:50.4/33

Out: 60.721+/-14.085 χ^2/NDF:73.3/37

All: 56.274+/-9.971 χ^2/NDF: 123.9/71

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 74.369+/-0.020 χ^2/NDF: 827583.1/15

Left Out: 61.854+/-0.011 χ^2/NDF:529272.3/18

Right Out: 73.815+/-0.020 χ^2/NDF: 931949.0/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

Left: 61.635+/-0.008 χ^2/NDF: 1095013.4/36

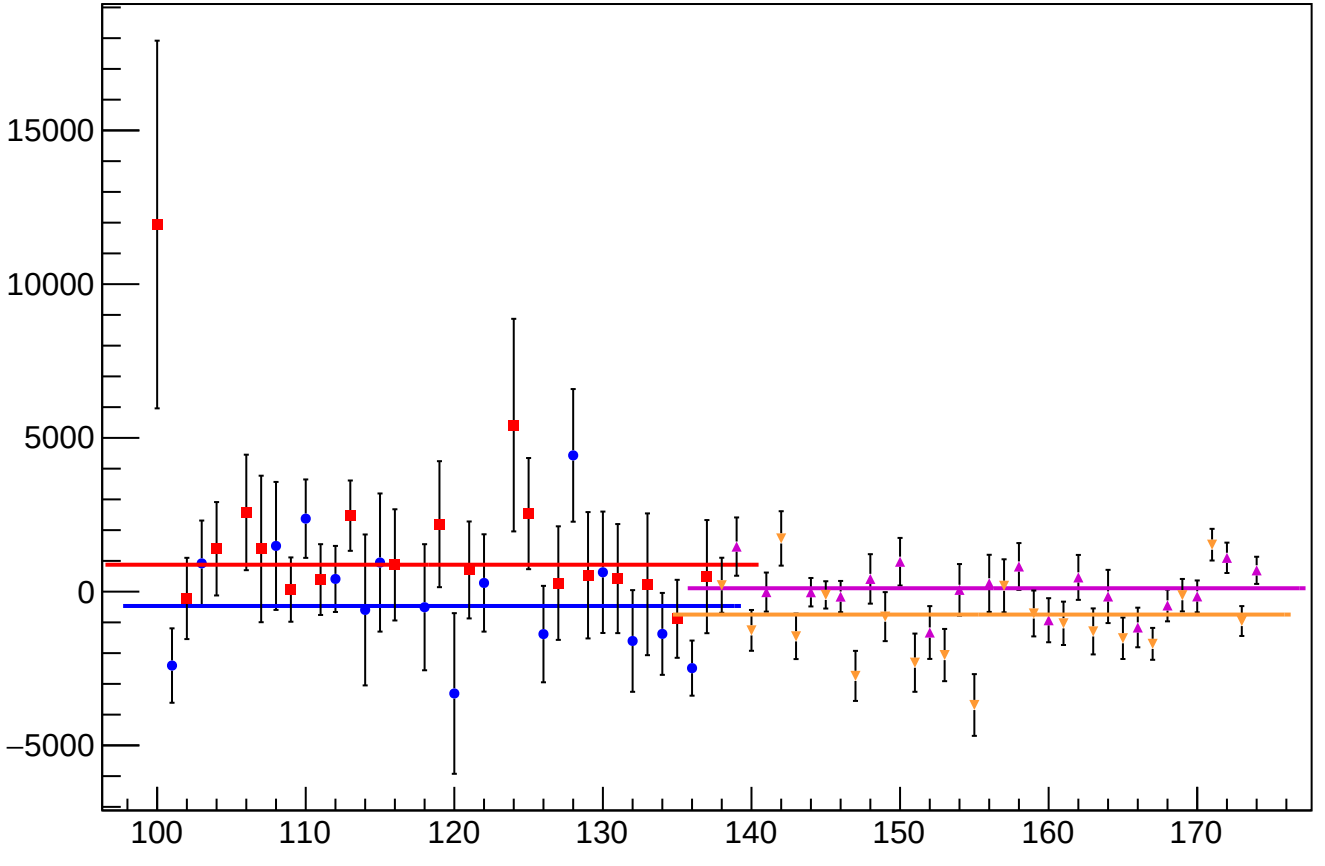
Right: 74.088+/-0.014 χ^2/NDF: 1759905.2/34

In: 64.505+/-0.010 χ^2/NDF:1698281.0/33

Out: 64.784+/-0.010 χ^2/NDF:1728040.0/37

All: 64.645+/-0.007 χ^2/NDF: 3426714.6/71

asym_sam_37_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -466.524+/-375.030 χ^2/NDF: 23.7/15

Left Out: -745.664+/-153.003 χ^2/NDF:59.9/18

Right Out: 875.351+/-372.239 χ^2/NDF: 13.1/18

Left In: 110.366+/-148.636 χ^2/NDF:21.1/17

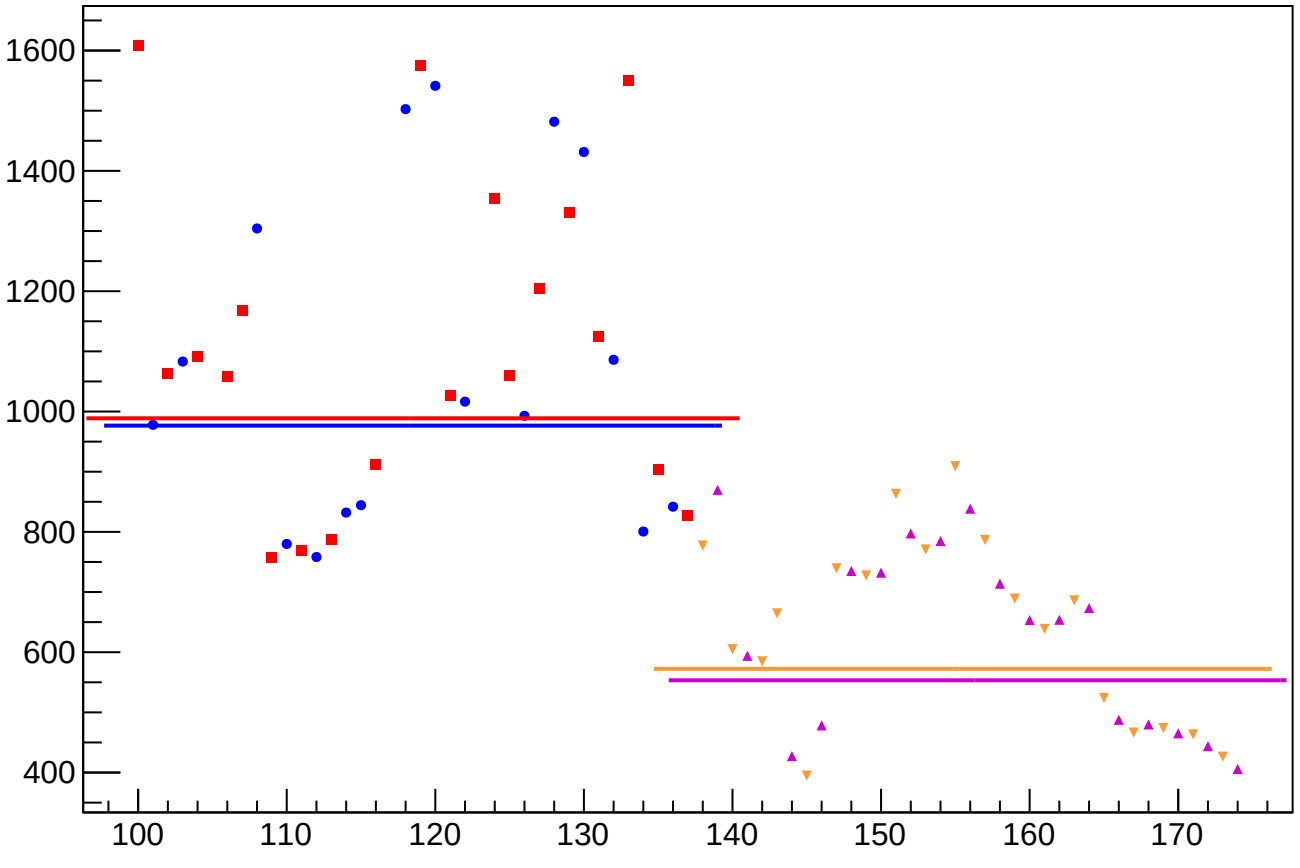
Left: -305.257+/-106.612 χ^2/NDF: 97.1/36

Right: 209.426+/-264.194 χ^2/NDF: 43.2/34

In: 32.051+/-138.179 χ^2/NDF:46.8/33

Out: -511.377+/-141.515 χ^2/NDF:89.2/37

All: -233.182+/-98.866 χ^2/NDF: 143.6/71



Right In: 976.583+/-0.265 χ^2/NDF: 736605.1/15

Left Out: 572.309+/-0.108 χ^2/NDF:1813489.0/18

Right Out: 988.763+/-0.263 χ^2/NDF: 715703.4/18

Left In: 553.336+/-0.105 χ^2/NDF:1778253.3/17

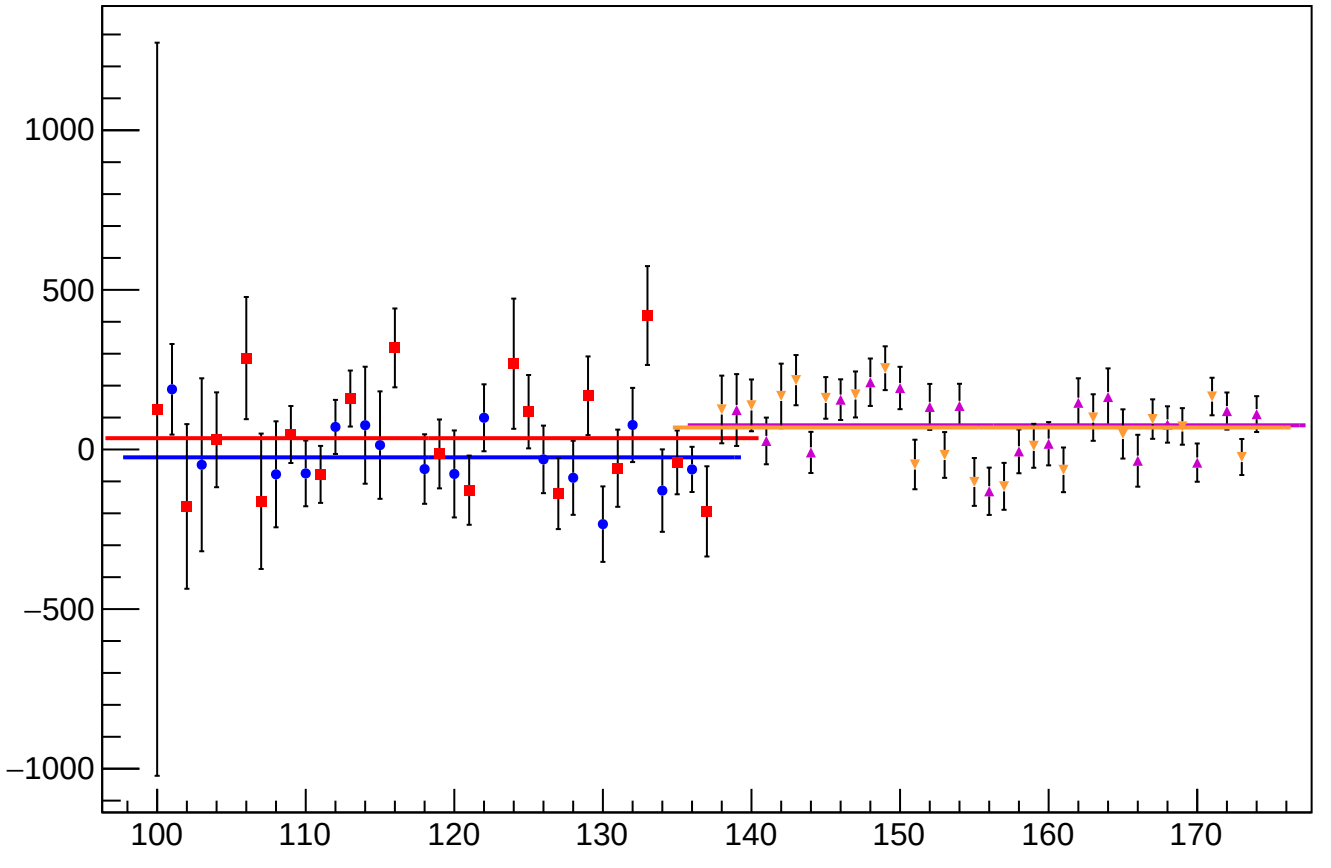
Left: 562.548+/-0.075 χ^2/NDF: 3607564.8/36

Right: 982.718+/-0.187 χ^2/NDF: 1453371.3/34

In: 610.793+/-0.098 χ^2/NDF:4716375.8/33

Out: 632.500+/-0.100 χ^2/NDF:4670724.7/37

All: 621.388+/-0.070 χ^2/NDF: 9411189.7/71



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.882+/-16.210 χ^2/NDF:42.2/18

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 75.733+/-16.177 χ^2/NDF:30.2/17

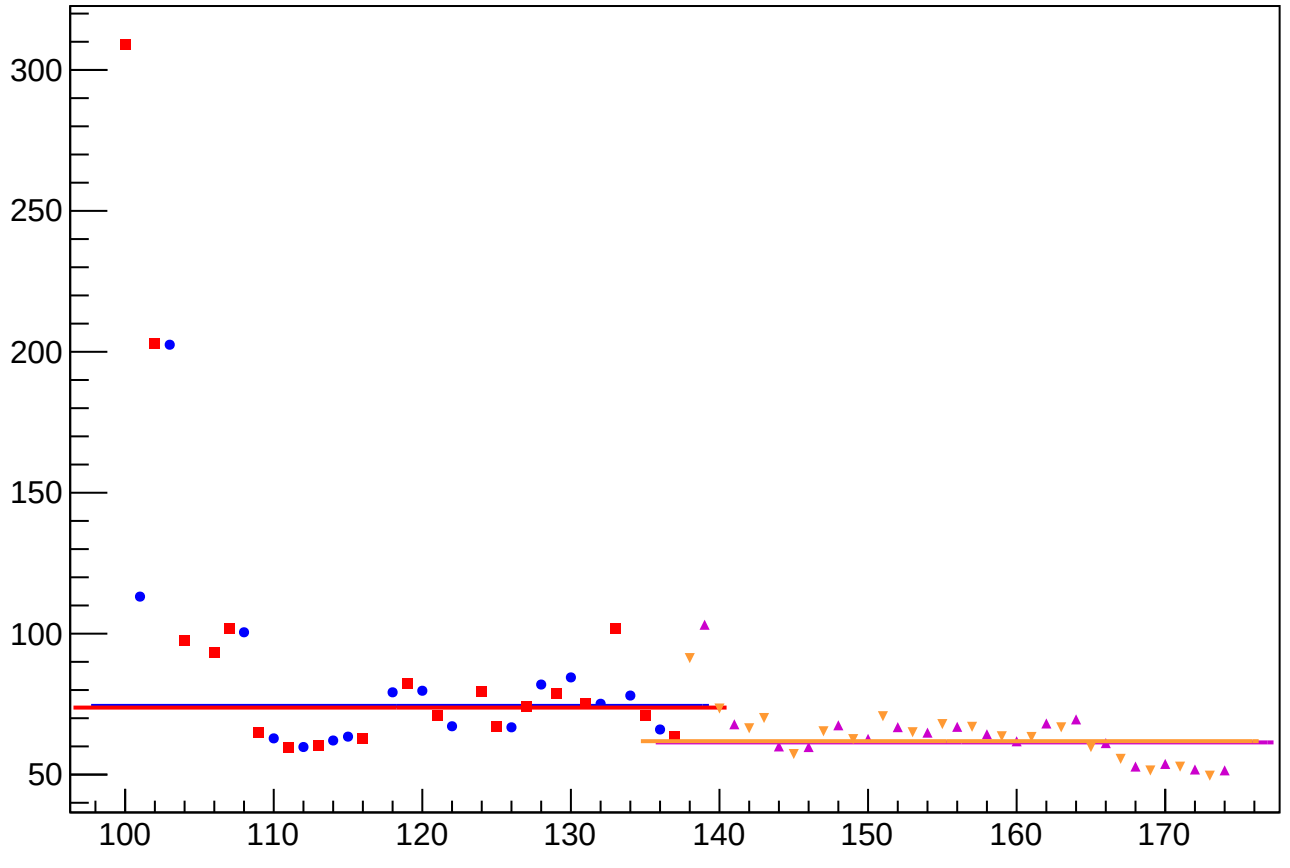
Left: 72.314+/-11.451 χ^2/NDF: 72.5/36

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 51.802+/-14.117 χ^2/NDF:50.4/33

Out: 60.675+/-14.085 χ^2/NDF:73.3/37

All: 56.249+/-9.971 χ^2/NDF: 123.8/71



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.854+/-0.011 χ^2/NDF:529272.3/18

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

Left: 61.635+/-0.008 χ^2/NDF: 1095013.4/36

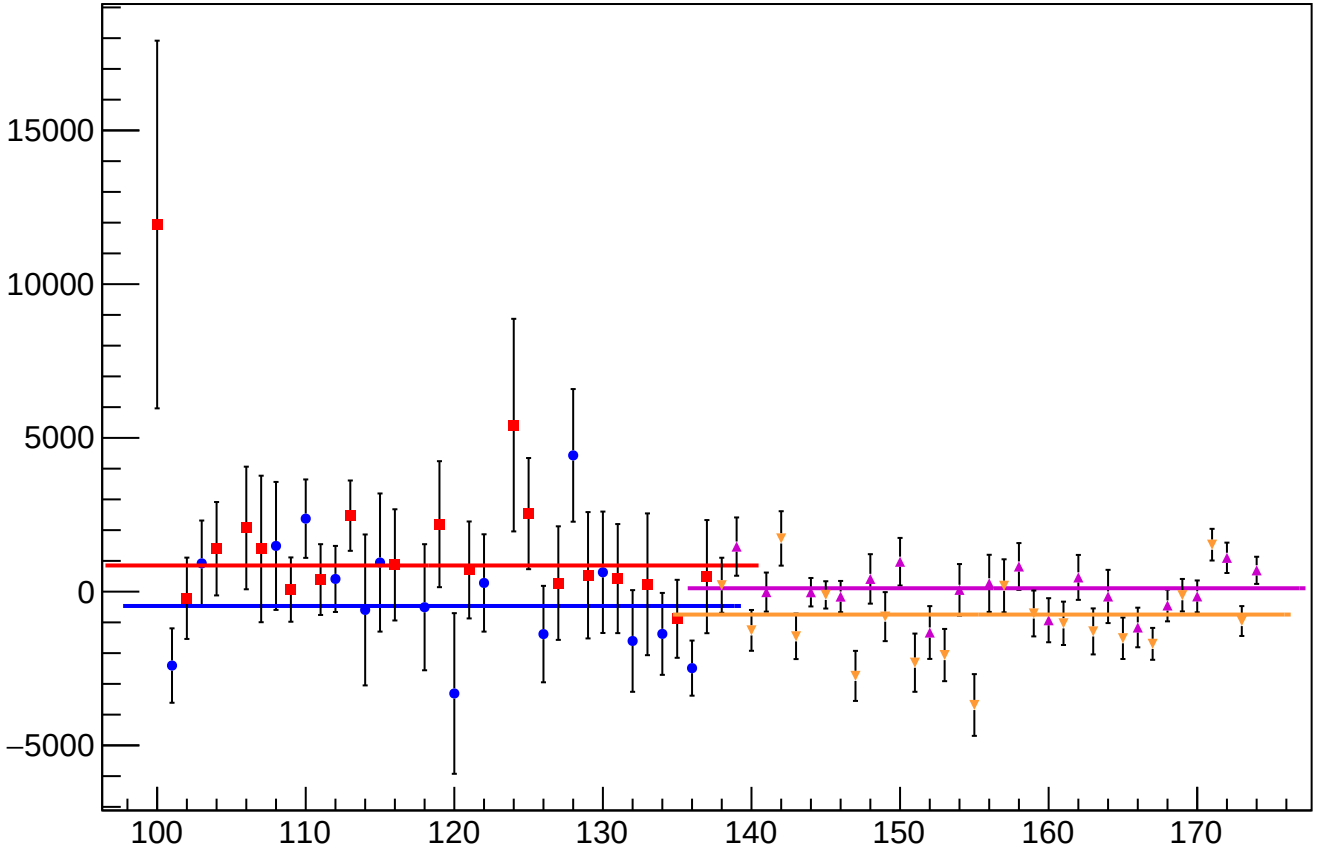
Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.505+/-0.010 χ^2/NDF:1698282.8/33

Out: 64.774+/-0.010 χ^2/NDF:1722350.0/37

All: 64.640+/-0.007 χ^2/NDF: 3420997.0/71

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: -745.660+/-153.003 χ^2/NDF:59.9/18

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 110.364+/-148.636 χ^2/NDF:21.1/17

Left: -305.256+/-106.612 χ^2/NDF: 97.1/36

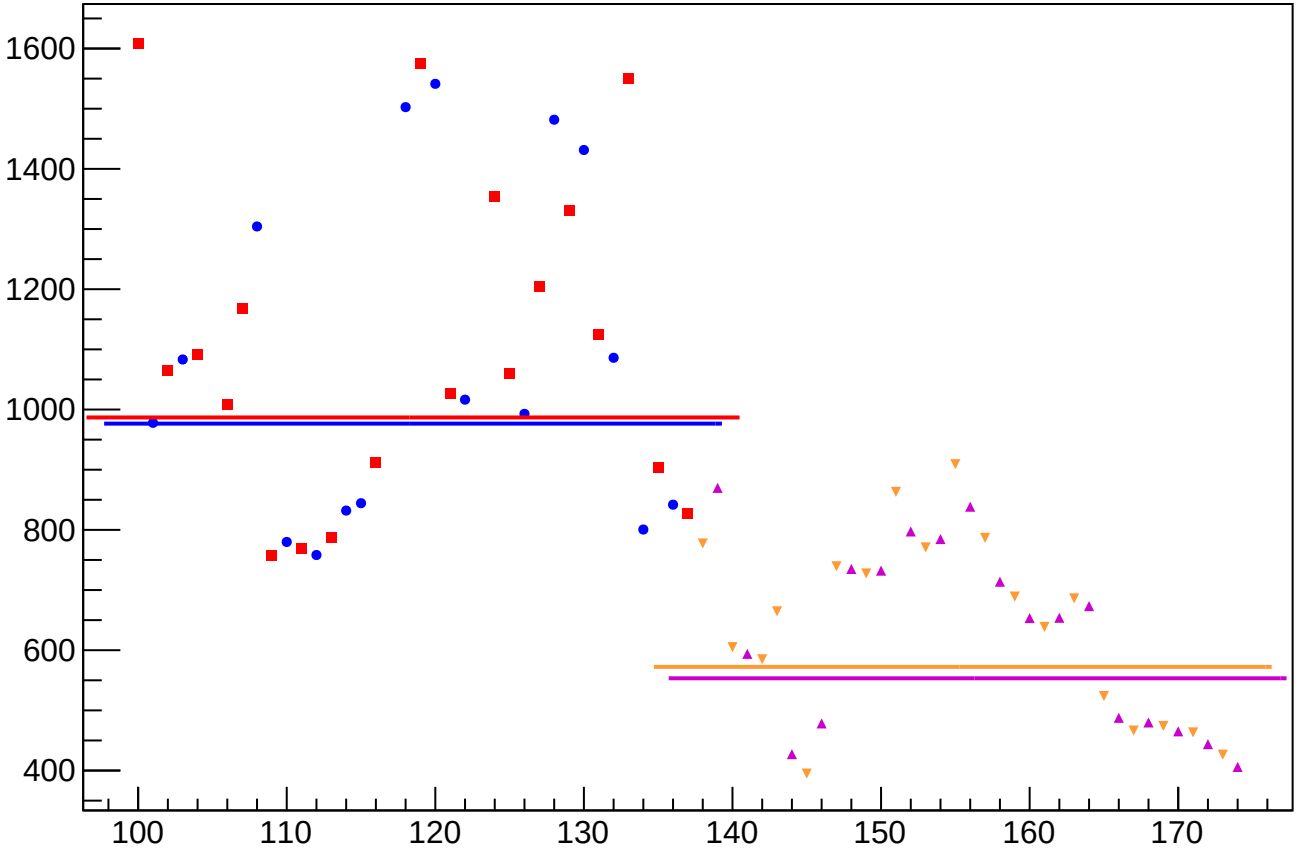
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 32.052+/-138.179 χ^2/NDF:46.8/33

Out: -515.830+/-141.562 χ^2/NDF:88.2/37

All: -235.265+/-98.882 χ^2/NDF: 142.7/71

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: 572.309+/-0.108 χ^2/NDF:1813490.0/18

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

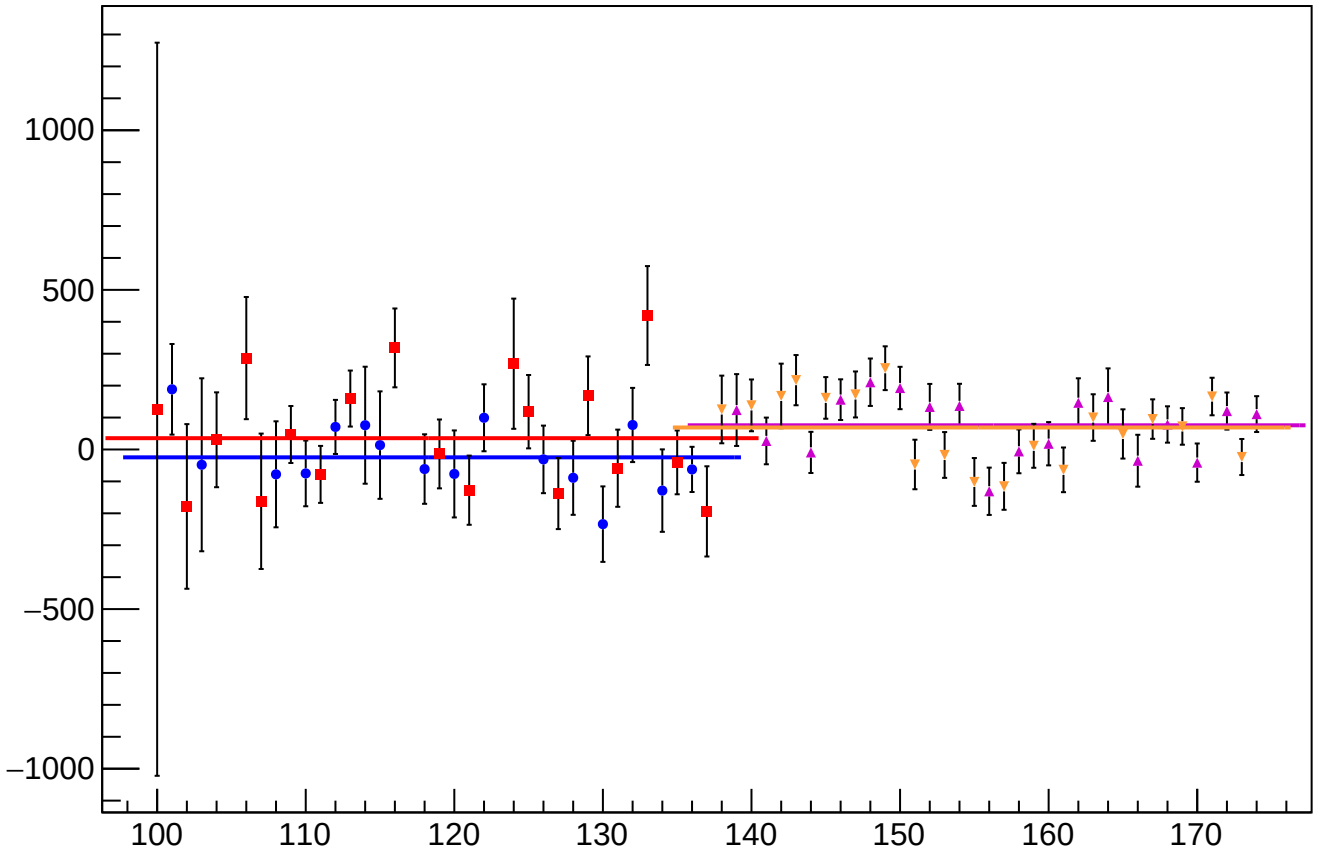
Left: 562.548+/-0.075 χ^2/NDF: 3607567.8/36

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 610.793+/-0.098 χ^2/NDF:4716437.2/33

Out: 631.985+/-0.100 χ^2/NDF:4640138.5/37

All: 621.133+/-0.070 χ^2/NDF: 9379527.8/71



Right In: -24.640+/-28.913 χ^2/NDF: 11.0/15

Left Out: 68.882+/-16.210 χ^2/NDF:42.2/18

Right Out: 35.383+/-28.457 χ^2/NDF: 30.0/18

Left In: 75.733+/-16.177 χ^2/NDF:30.2/17

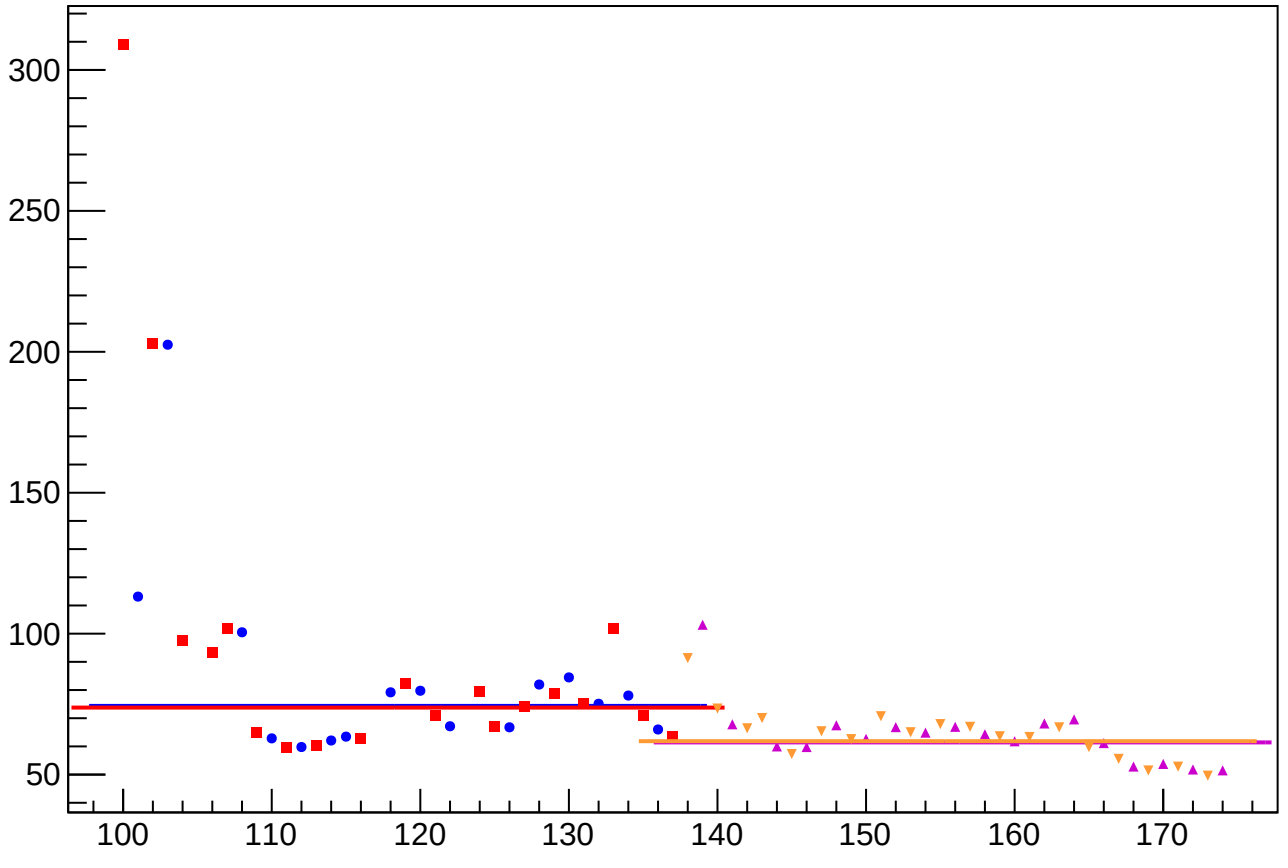
Left: 72.314+/-11.451 χ^2/NDF: 72.5/36

Right: 5.848+/-20.281 χ^2/NDF: 43.2/34

In: 51.802+/-14.117 χ^2/NDF:50.4/33

Out: 60.675+/-14.085 χ^2/NDF:73.3/37

All: 56.249+/-9.971 χ^2/NDF: 123.8/71



Right In: 74.369+/-0.020 χ^2/NDF: 827585.2/15

Left Out: 61.854+/-0.011 χ^2/NDF:529272.3/18

Right Out: 73.773+/-0.020 χ^2/NDF: 928163.8/18

Left In: 61.417+/-0.011 χ^2/NDF:565012.2/17

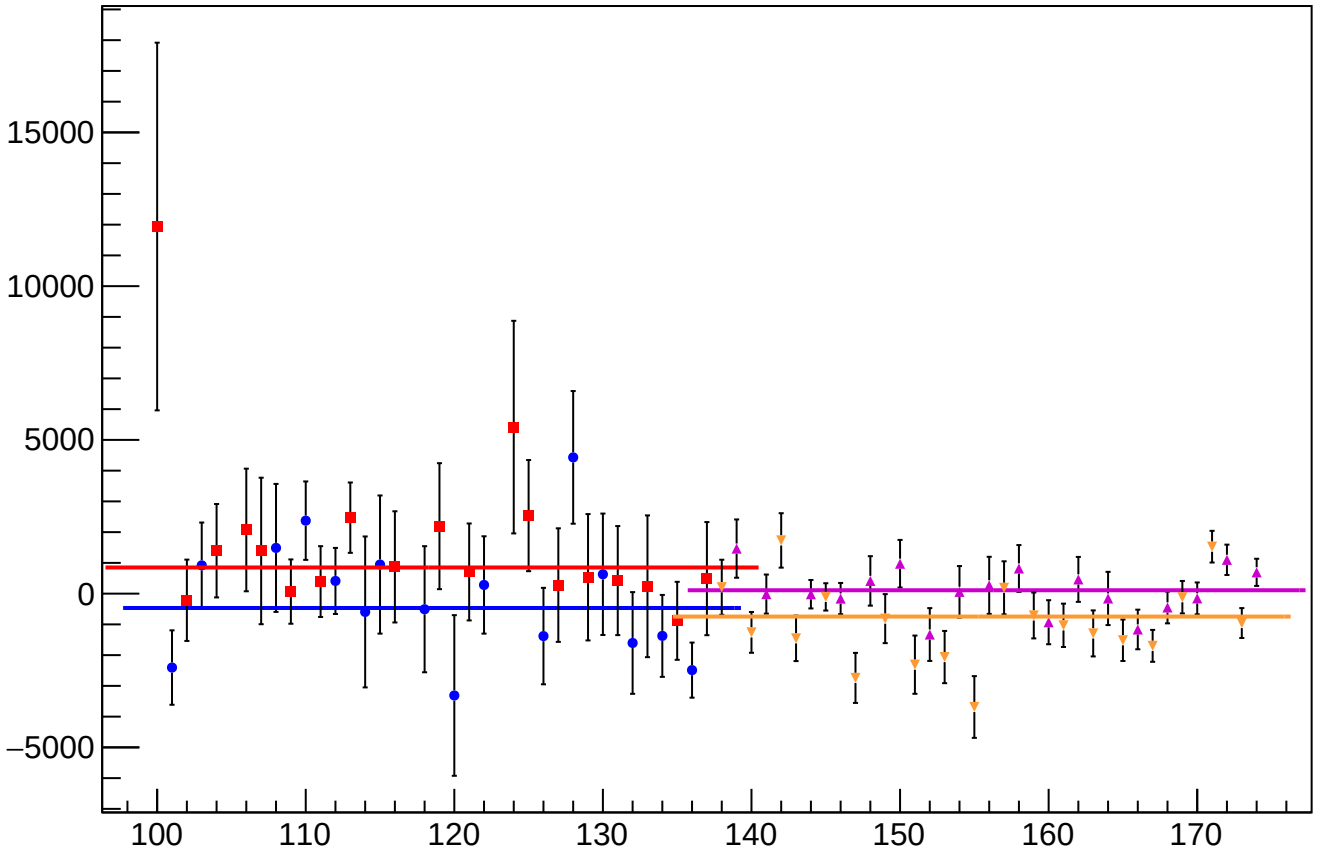
Left: 61.635+/-0.008 χ^2/NDF: 1095013.4/36

Right: 74.066+/-0.014 χ^2/NDF: 1756180.6/34

In: 64.505+/-0.010 χ^2/NDF:1698282.8/33

Out: 64.774+/-0.010 χ^2/NDF:1722350.0/37

All: 64.640+/-0.007 χ^2/NDF: 3420997.0/71



Right In: -466.511+/-375.033 χ^2/NDF: 23.7/15

Left Out: -745.660+/-153.003 χ^2/NDF:59.9/18

Right Out: 850.757+/-373.092 χ^2/NDF: 12.6/18

Left In: 110.364+/-148.636 χ^2/NDF:21.1/17

Left: -305.256+/-106.612 χ^2/NDF: 97.1/36

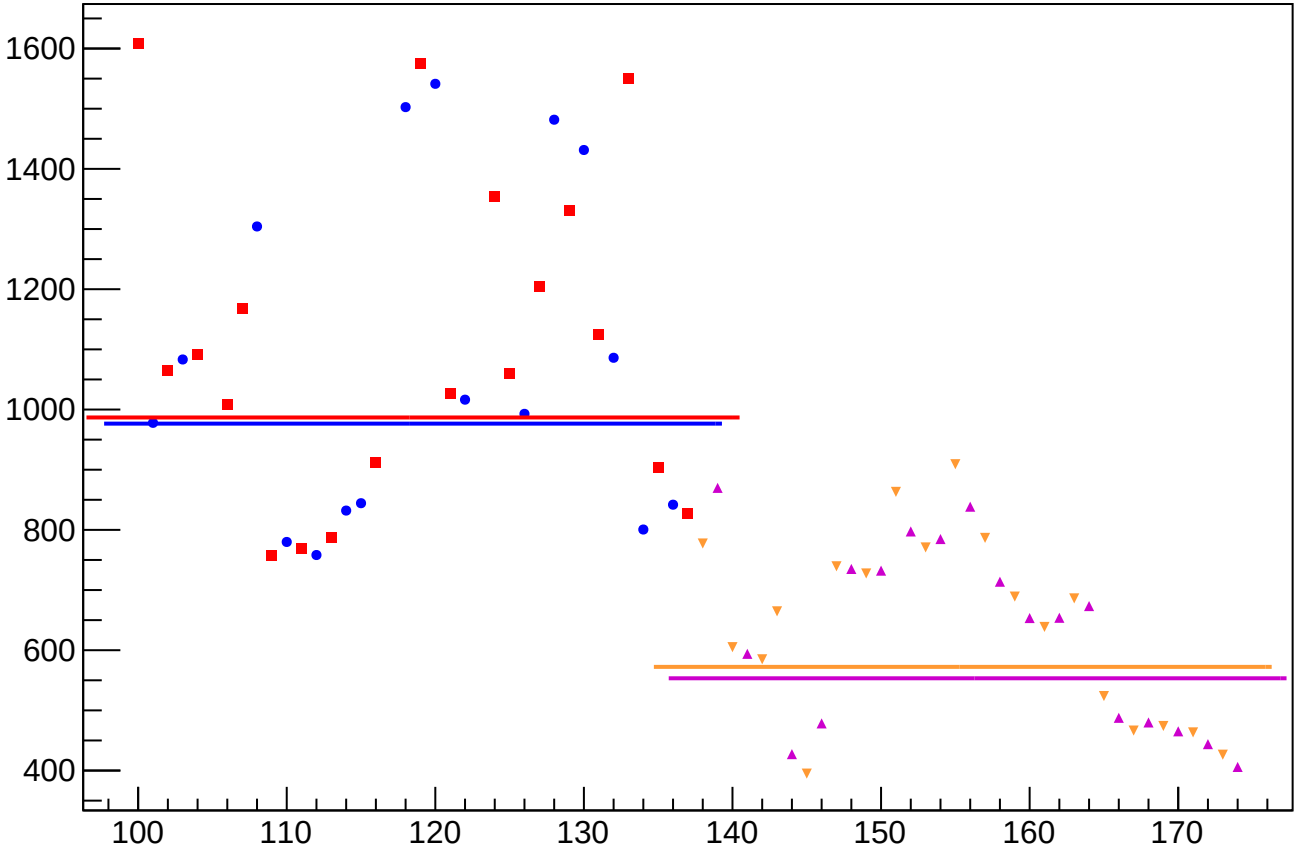
Right: 195.541+/-264.500 χ^2/NDF: 42.5/34

In: 32.052+/-138.179 χ^2/NDF:46.8/33

Out: -515.830+/-141.562 χ^2/NDF:88.2/37

All: -235.265+/-98.882 χ^2/NDF: 142.7/71

asym_sam_37_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 976.589+/-0.265 χ^2/NDF: 736628.5/15

Left Out: 572.309+/-0.108 χ^2/NDF:1813490.0/18

Right Out: 986.823+/-0.264 χ^2/NDF: 713316.0/18

Left In: 553.336+/-0.105 χ^2/NDF:1778255.4/17

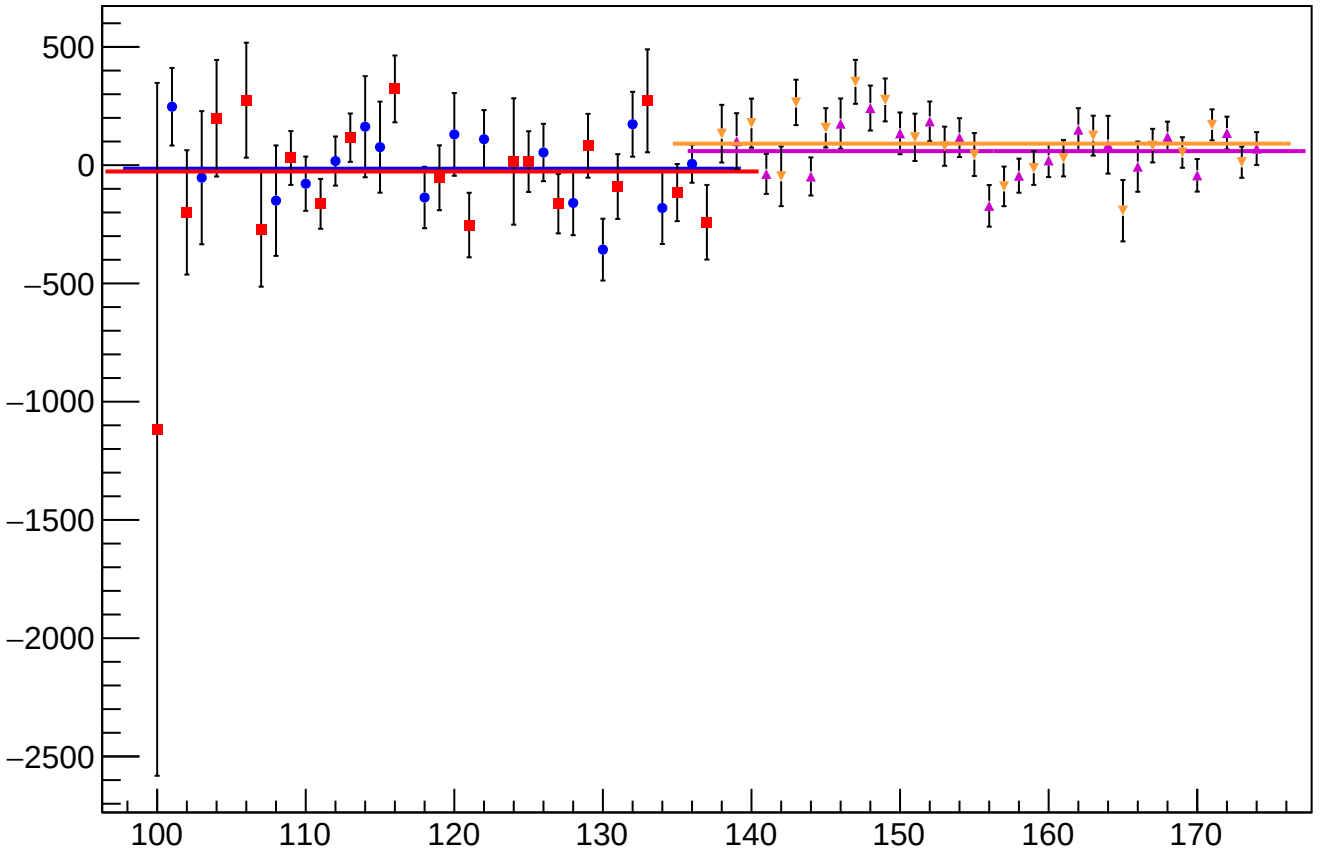
Left: 562.548+/-0.075 χ^2/NDF: 3607567.8/36

Right: 981.733+/-0.187 χ^2/NDF: 1450693.2/34

In: 610.793+/-0.098 χ^2/NDF:4716437.2/33

Out: 631.985+/-0.100 χ^2/NDF:4640138.5/37

All: 621.133+/-0.070 χ^2/NDF: 9379527.8/71



Right In: -14.953+/-33.761 χ^2/NDF: 18.3/15

Left Out: 91.100+/-19.281 χ^2/NDF:33.9/18

Right Out: -26.654+/-34.073 χ^2/NDF: 23.6/18

Left In: 59.488+/-19.415 χ^2/NDF:26.6/17

Left: 75.403+/-13.681 χ^2/NDF: 61.9/36

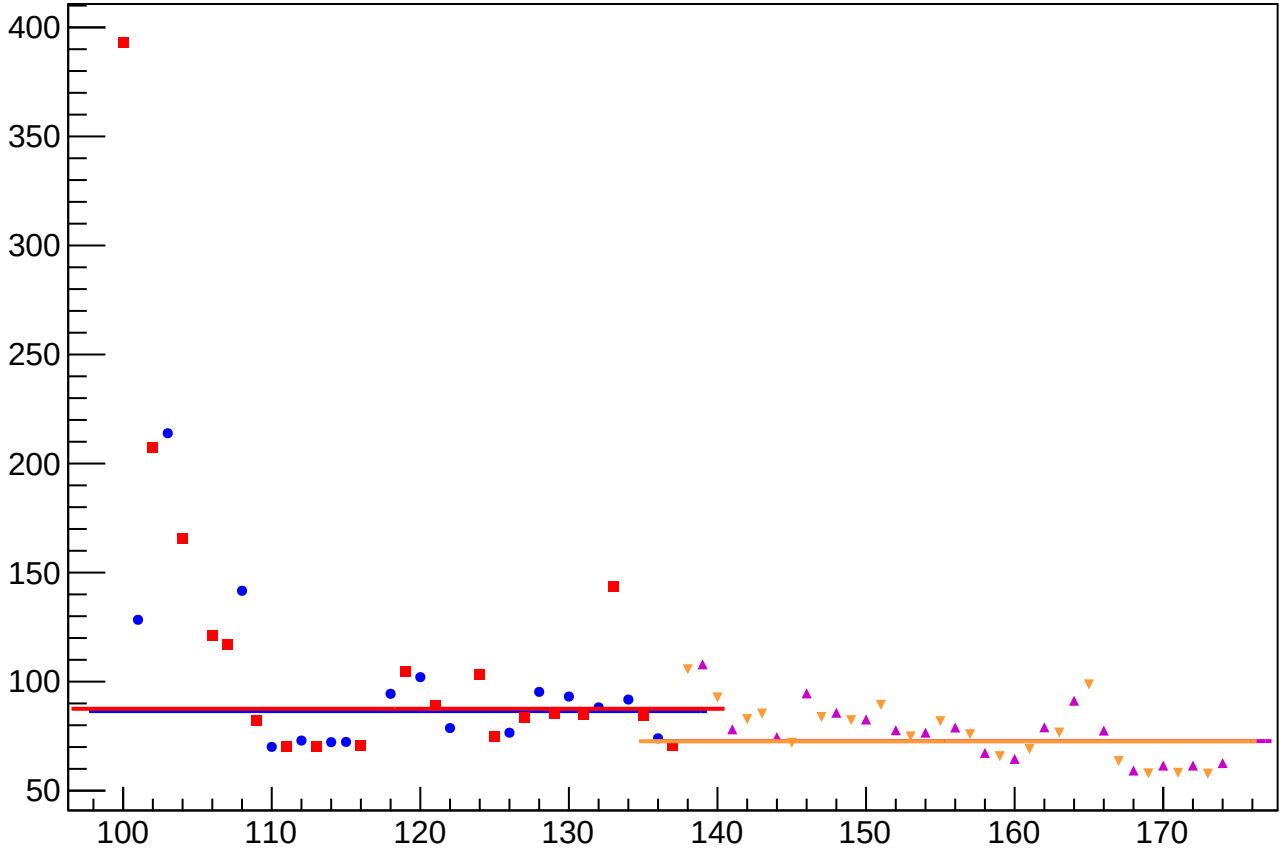
Right: -20.750+/-23.982 χ^2/NDF: 41.9/34

In: 40.988+/-16.830 χ^2/NDF:48.5/33

Out: 62.539+/-16.781 χ^2/NDF:66.6/37

All: 51.796+/-11.883 χ^2/NDF: 115.9/71

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856257.9/15

Left Out: 72.665+/-0.014 χ^2/NDF:845034.4/18

Right Out: 87.555+/-0.024 χ^2/NDF: 1129794.0/18

Left In: 72.730+/-0.014 χ^2/NDF:690970.9/17

Left: 72.697+/-0.010 χ^2/NDF: 1536016.4/36

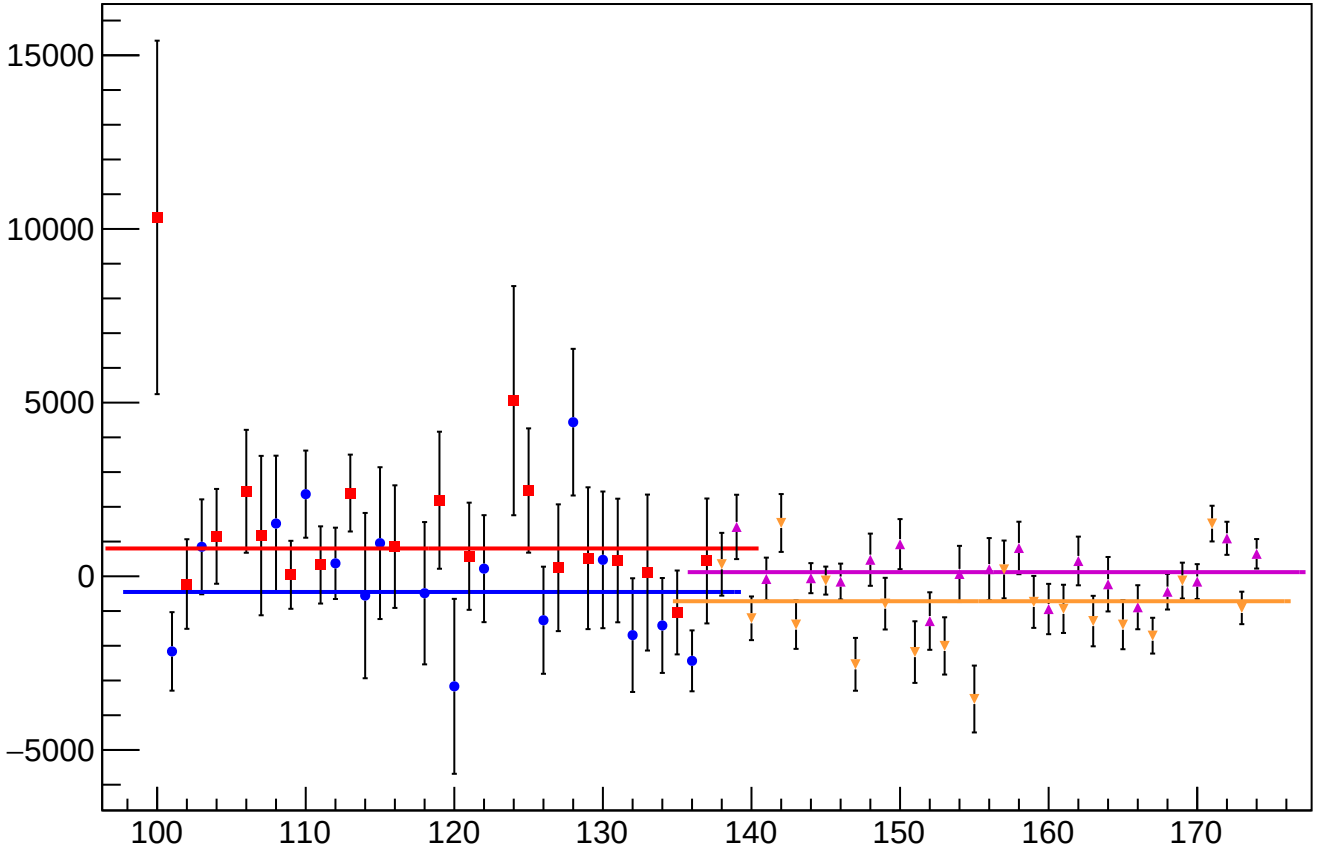
Right: 87.017+/-0.017 χ^2/NDF: 1987038.9/34

In: 76.149+/-0.012 χ^2/NDF:1796867.6/33

Out: 76.277+/-0.012 χ^2/NDF:2264110.9/37

All: 76.213+/-0.008 χ^2/NDF: 4061035.9/71

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -451.380+/-365.605 χ^2/NDF: 23.7/15

Left Out: -717.720+/-147.694 χ^2/NDF:58.8/18

Right Out: 801.206+/-357.866 χ^2/NDF: 13.6/18

Left In: 119.747+/-143.781 χ^2/NDF:20.1/17

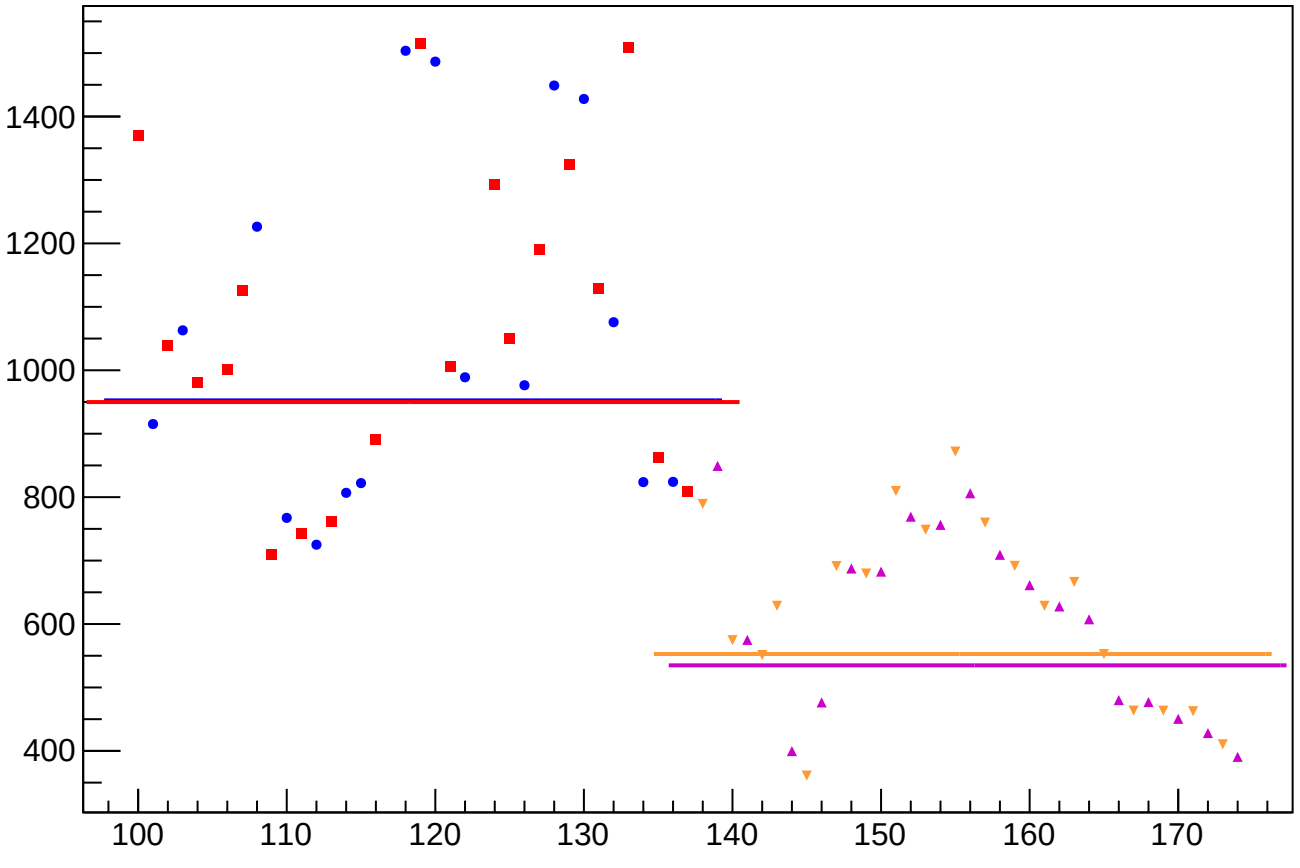
Left: -287.749+/-103.024 χ^2/NDF: 95.4/36

Right: 188.311+/-255.742 χ^2/NDF: 43.3/34

In: 43.247+/-133.806 χ^2/NDF:45.9/33

Out: -496.659+/-136.524 χ^2/NDF:87.8/37

All: -221.279+/-95.561 χ^2/NDF: 141.7/71



Right In: 952.551+/-0.259 χ^2/NDF: 746346.9/15

Left Out: 552.773+/-0.104 χ^2/NDF:1872885.8/18

Right Out: 949.891+/-0.253 χ^2/NDF: 751675.2/18

Left In: 534.882+/-0.102 χ^2/NDF:1768820.5/17

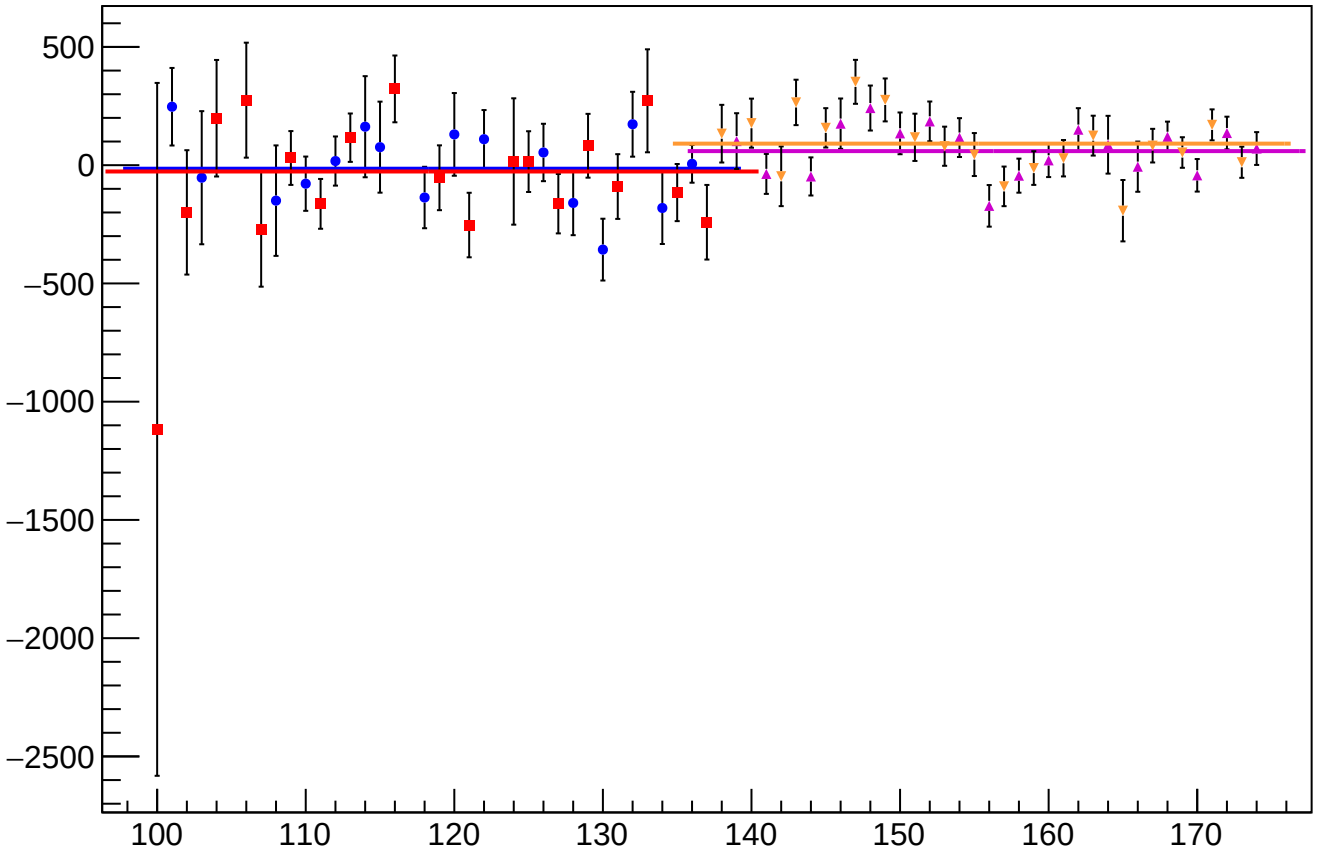
Left: 543.587+/-0.073 χ^2/NDF: 3656772.7/36

Right: 951.193+/-0.181 χ^2/NDF: 1498076.1/34

In: 590.827+/-0.095 χ^2/NDF:4775715.2/33

Out: 610.568+/-0.097 χ^2/NDF:4728936.8/37

All: 600.499+/-0.068 χ^2/NDF: 9525981.6/71



Right In: -14.954+/-33.761 χ^2/NDF: 18.3/15

Left Out: 91.101+/-19.281 χ^2/NDF:33.9/18

Right Out: -26.658+/-34.073 χ^2/NDF: 23.6/18

Left In: 59.487+/-19.415 χ^2/NDF:26.6/17

Left: 75.403+/-13.681 χ^2/NDF: 61.9/36

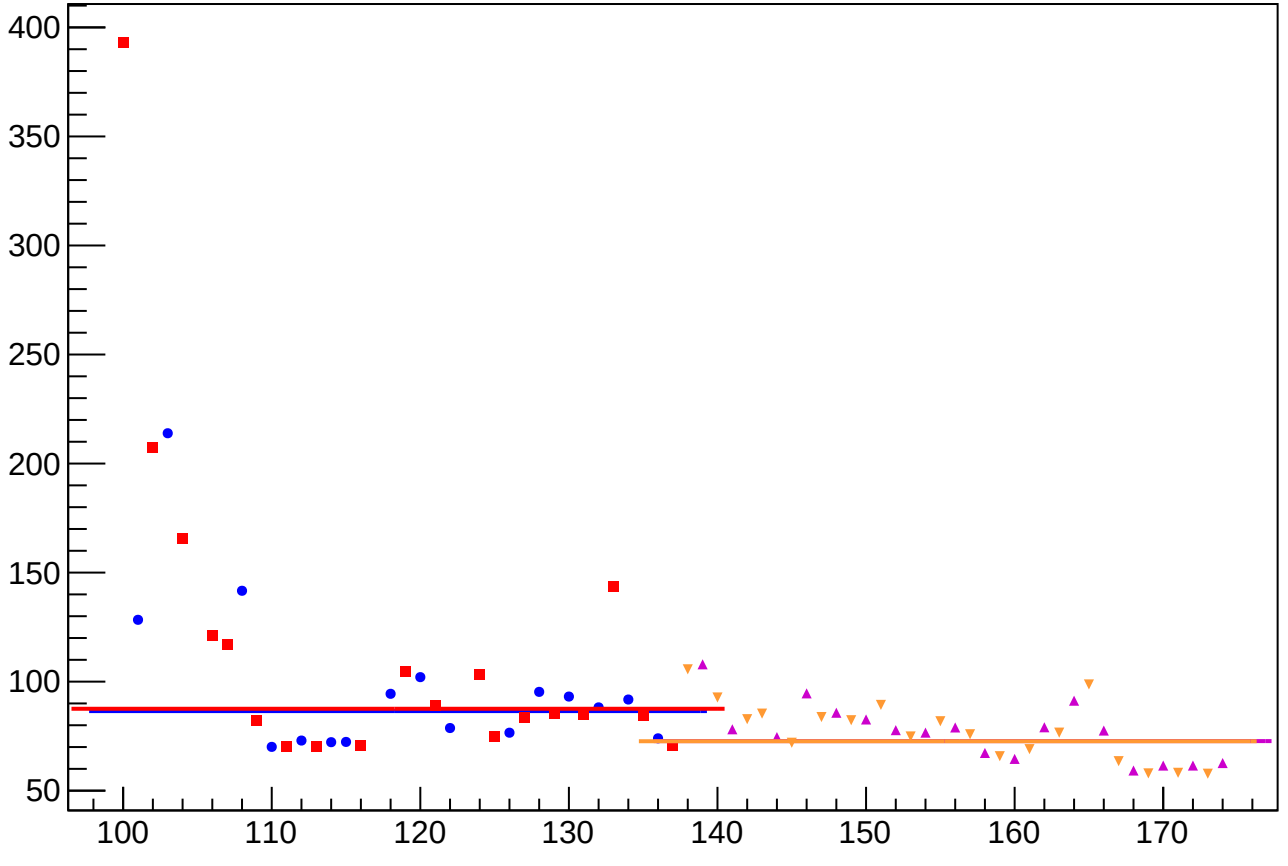
Right: -20.752+/-23.982 χ^2/NDF: 41.9/34

In: 40.988+/-16.830 χ^2/NDF:48.5/33

Out: 62.539+/-16.781 χ^2/NDF:66.6/37

All: 51.795+/-11.883 χ^2/NDF: 115.9/71

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 86.489+/-0.024 χ^2/NDF: 856249.6/15

Left Out: 72.665+/-0.014 χ^2/NDF:845044.8/18

Right Out: 87.555+/-0.024 χ^2/NDF: 1129791.7/18

Left In: 72.730+/-0.014 χ^2/NDF:690976.8/17

Left: 72.697+/-0.010 χ^2/NDF: 1536032.7/36

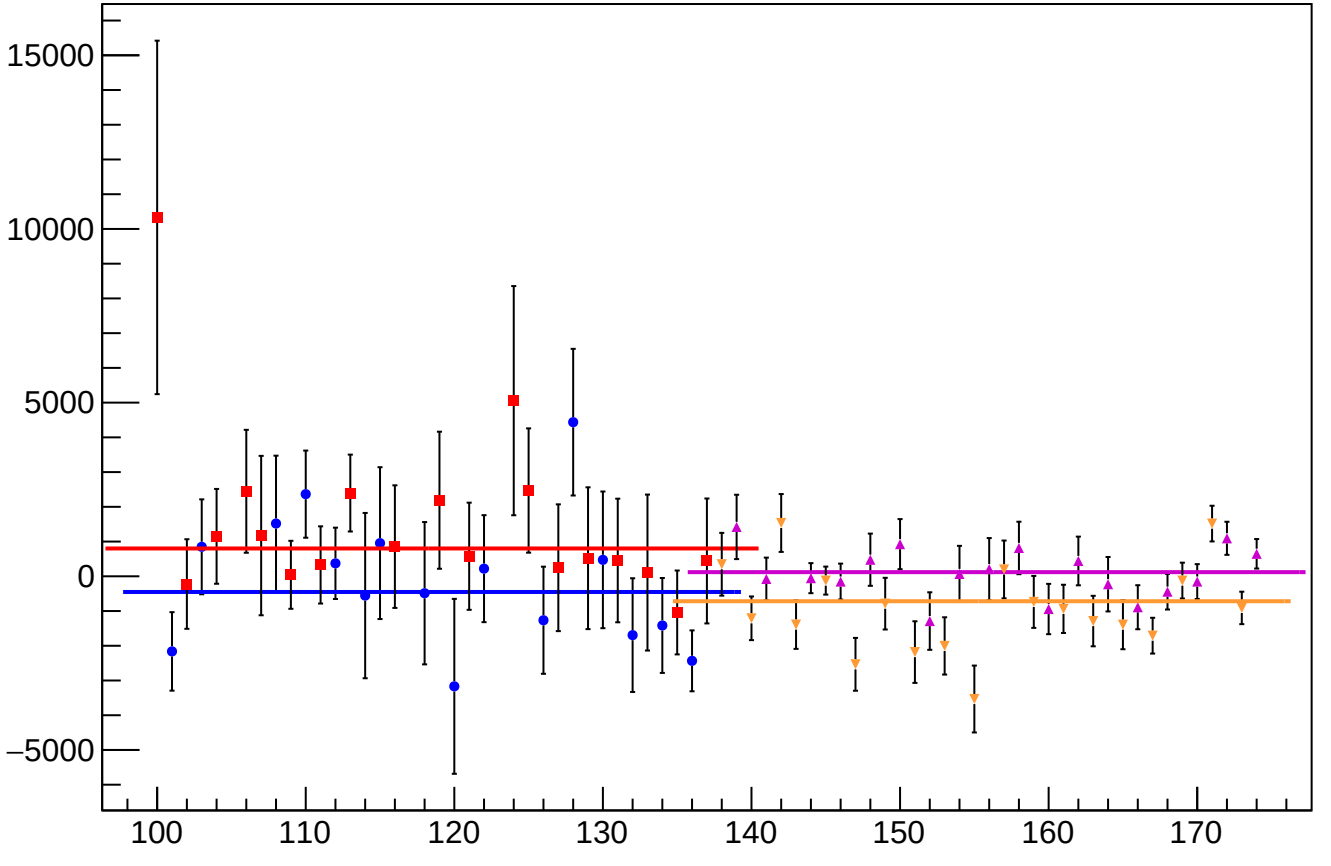
Right: 87.017+/-0.017 χ^2/NDF: 1987028.5/34

In: 76.149+/-0.012 χ^2/NDF:1796868.3/33

Out: 76.277+/-0.012 χ^2/NDF:2264125.0/37

All: 76.213+/-0.008 χ^2/NDF: 4061050.9/71

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: -717.721+/-147.693 χ^2/NDF:58.8/18

Right Out: 801.205+/-357.865 χ^2/NDF: 13.6/18

Left In: 119.746+/-143.781 χ^2/NDF:20.1/17

Left: -287.749+/-103.024 χ^2/NDF: 95.4/36

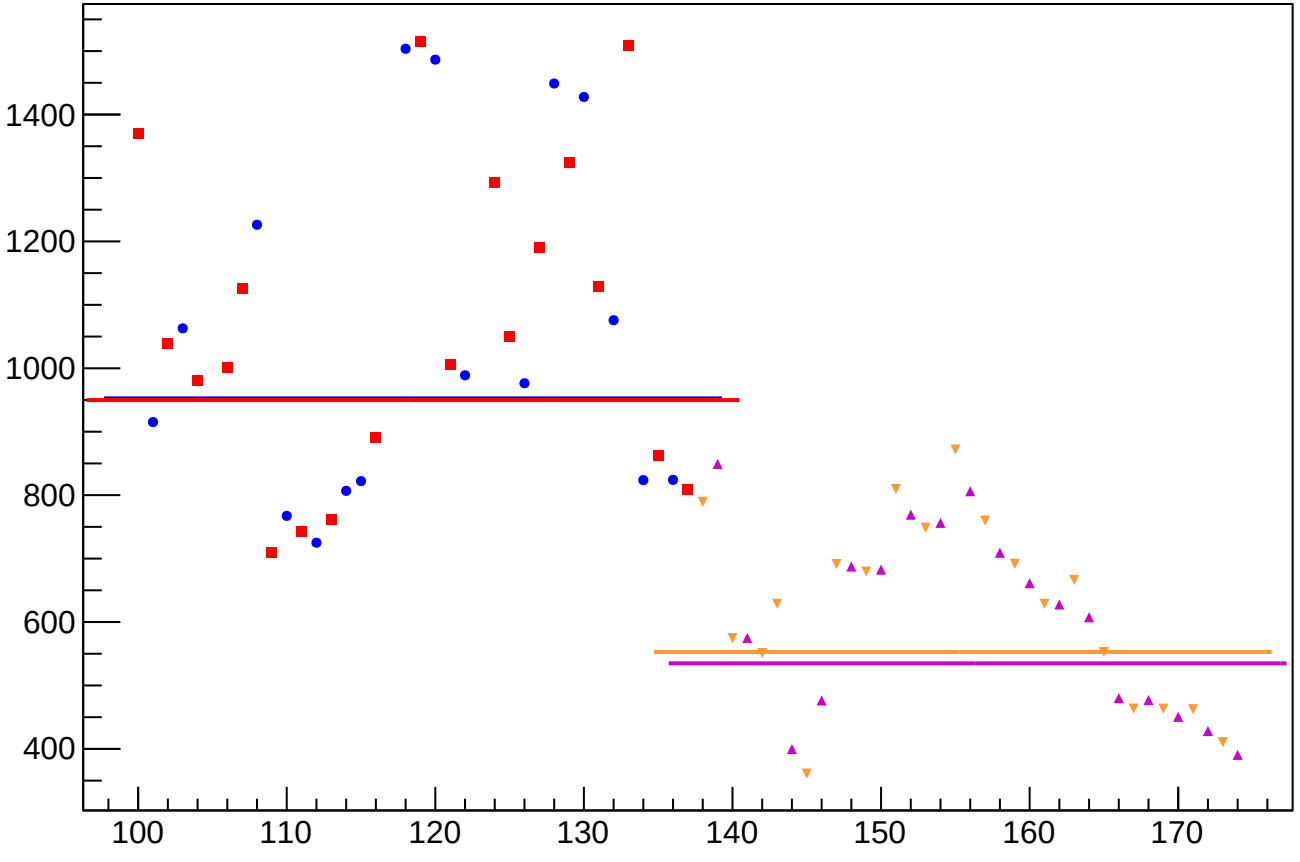
Right: 188.312+/-255.741 χ^2/NDF: 43.3/34

In: 43.247+/-133.806 χ^2/NDF:45.9/33

Out: -496.659+/-136.524 χ^2/NDF:87.8/37

All: -221.279+/-95.561 χ^2/NDF: 141.7/71

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 952.549+/-0.259 χ^2/NDF: 746349.8/15

Left Out: 552.772+/-0.104 χ^2/NDF:1872881.7/18

Right Out: 949.890+/-0.253 χ^2/NDF: 751674.5/18

Left In: 534.882+/-0.102 χ^2/NDF:1768814.8/17

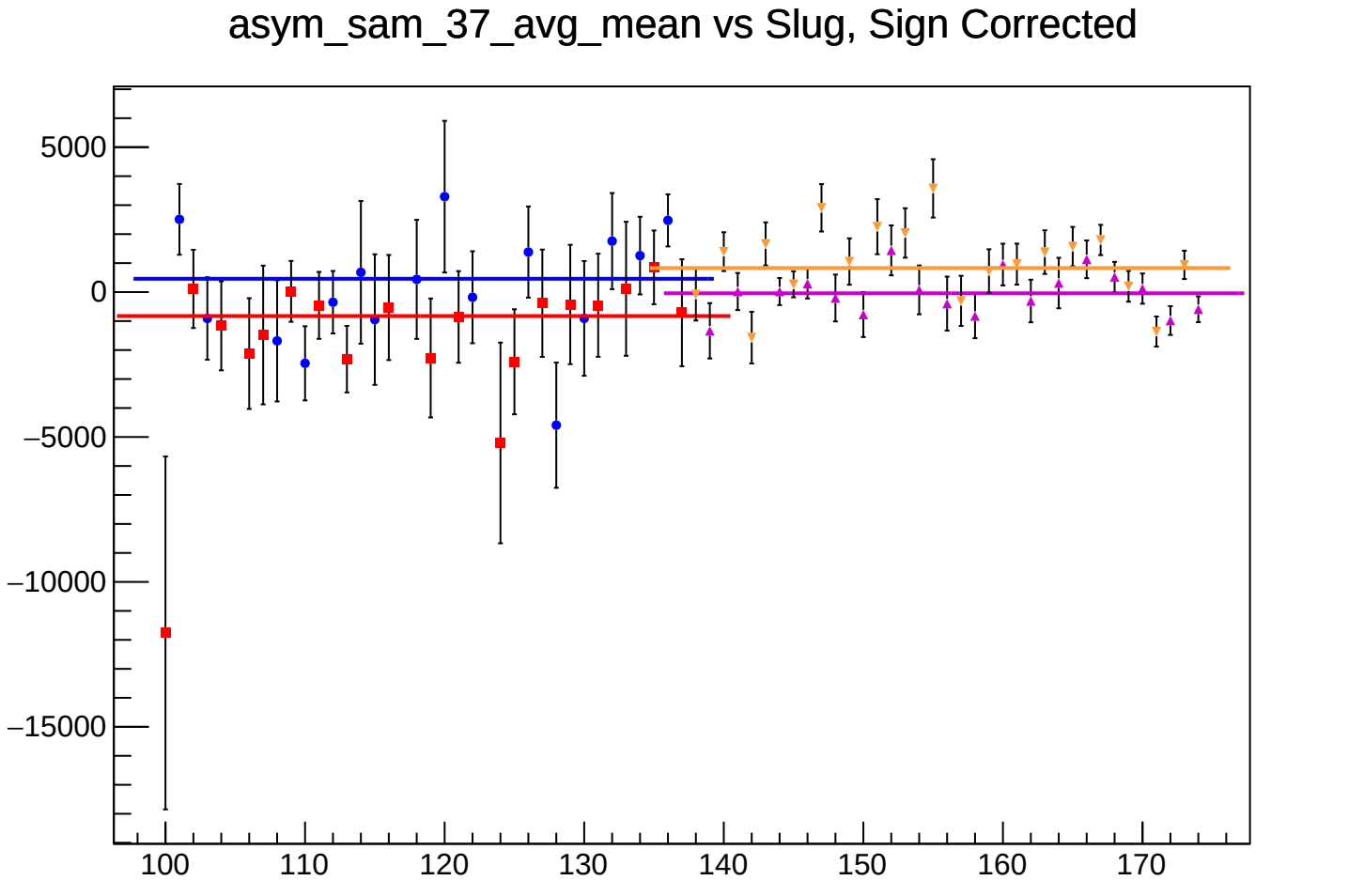
Left: 543.587+/-0.073 χ^2/NDF: 3656762.7/36

Right: 951.191+/-0.181 χ^2/NDF: 1498078.4/34

In: 590.827+/-0.095 χ^2/NDF:4775702.7/33

Out: 610.568+/-0.097 χ^2/NDF:4728924.5/37

All: 600.499+/-0.068 χ^2/NDF: 9525956.5/71



Right In: 459.137+/-376.873 χ^2/NDF: 24.6/15

Left Out: 830.508+/-153.983 χ^2/NDF:56.3/18

Right Out: -826.531+/-374.244 χ^2/NDF: 11.7/18

Left In: -41.995+/-149.646 χ^2/NDF:19.2/17

Left: 381.795+/-107.316 χ^2/NDF: 92.0/36

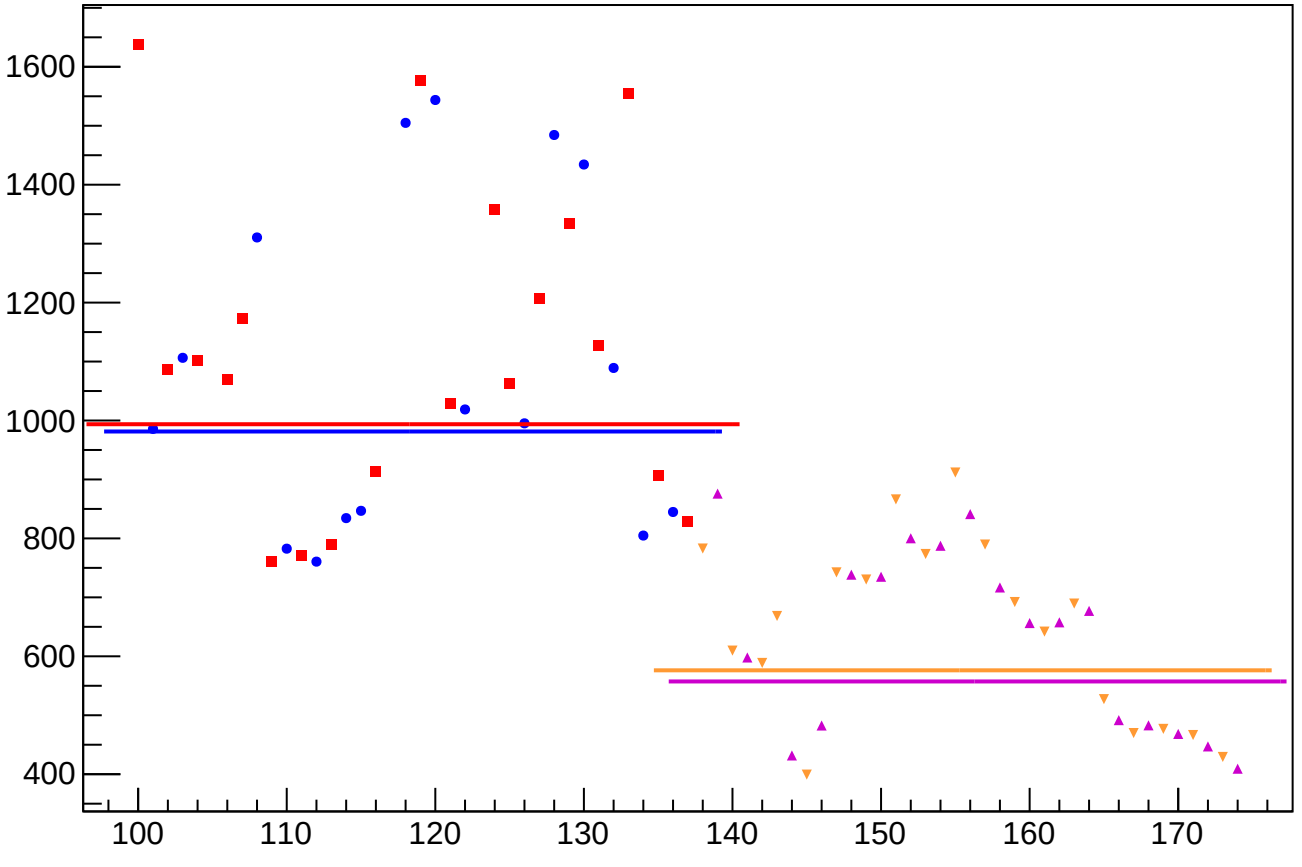
Right: -188.198+/-265.555 χ^2/NDF: 42.1/34

In: 26.255+/-139.083 χ^2/NDF:45.3/33

Out: 590.599+/-142.401 χ^2/NDF:84.7/37

All: 301.776+/-99.499 χ^2/NDF: 138.1/71

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 981.349+/-0.266 χ^2/NDF: 737627.4/15

Left Out: 576.212+/-0.109 χ^2/NDF:1789546.1/18

Right Out: 993.684+/-0.265 χ^2/NDF: 719799.0/18

Left In: 557.336+/-0.106 χ^2/NDF:1755138.2/17

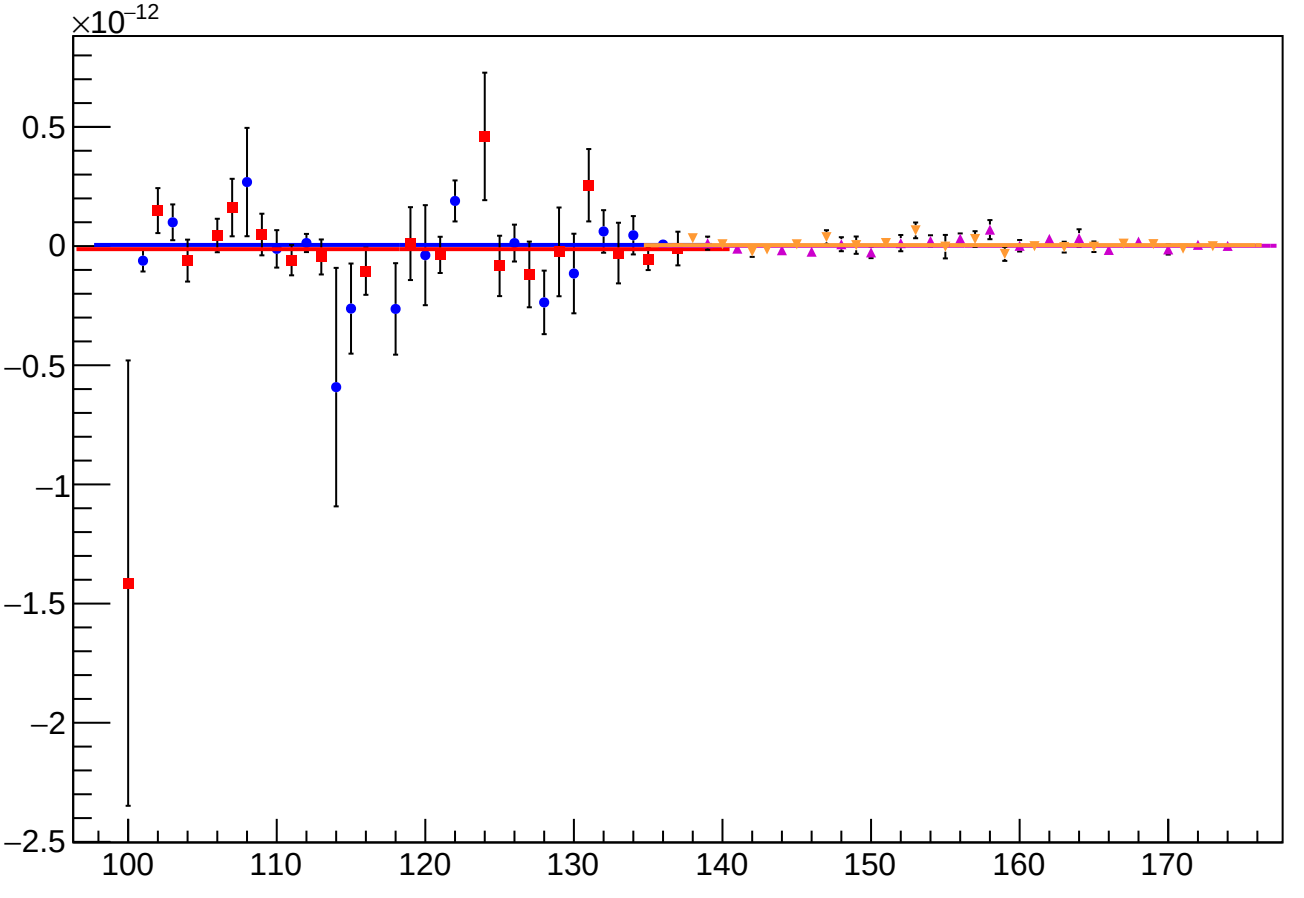
Left: 566.505+/-0.076 χ^2/NDF: 3560140.2/36

Right: 987.560+/-0.188 χ^2/NDF: 1458505.1/34

In: 615.084+/-0.098 χ^2/NDF:4679589.5/33

Out: 636.654+/-0.101 χ^2/NDF:4637742.7/37

All: 625.615+/-0.070 χ^2/NDF: 9340818.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/18

Left In: 0.000+/-0.000 χ^2/NDF:18.2/17

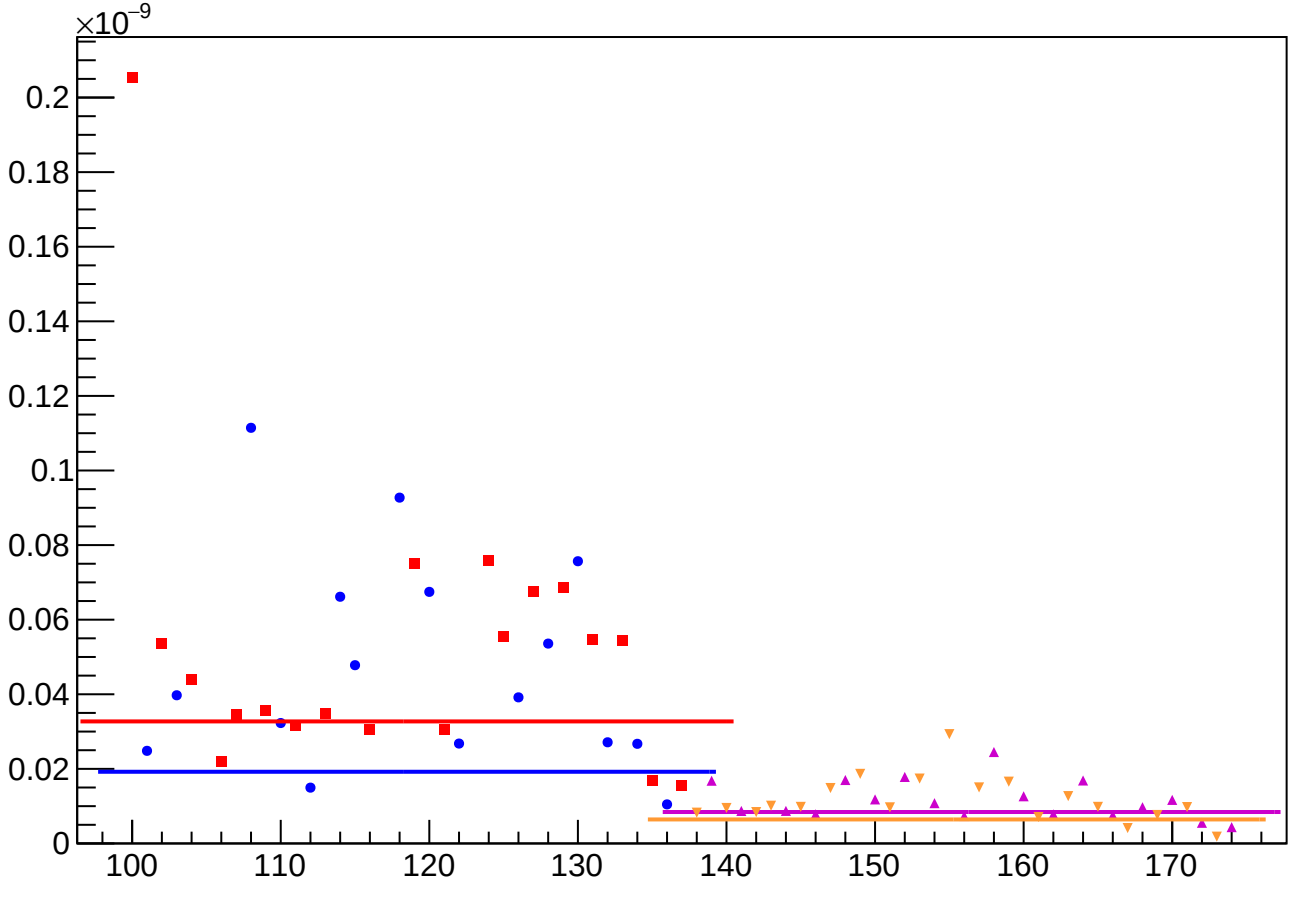
Left: 0.000+/-0.000 χ^2/NDF: 32.7/36

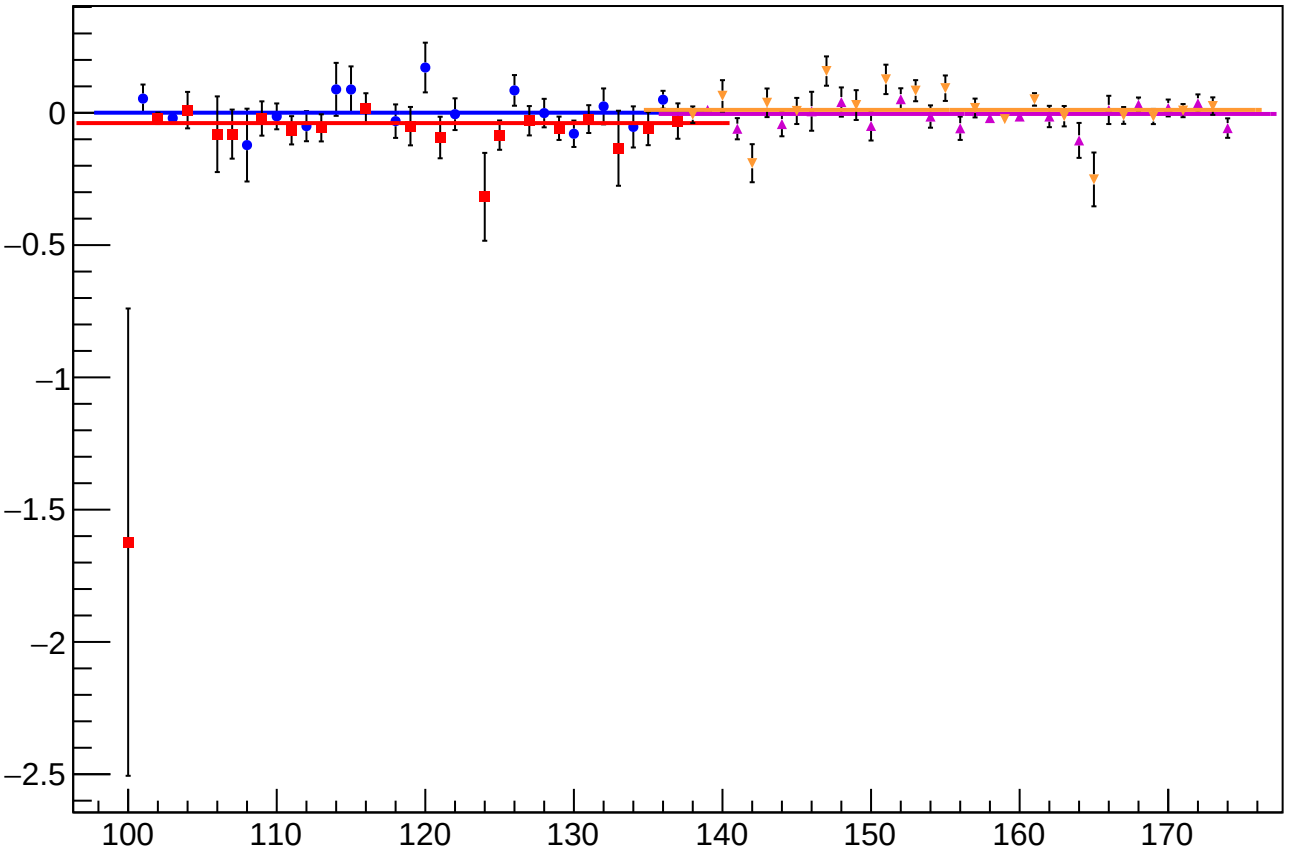
Right: -0.000+/-0.000 χ^2/NDF: 38.6/34

In: 0.000+/-0.000 χ^2/NDF:37.9/33

Out: 0.000+/-0.000 χ^2/NDF:33.4/37

All: 0.000+/-0.000 χ^2/NDF: 71.4/71


asym_sam_37_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1977908.6/15
Left Out: 0.000+/-0.000 χ²/NDF:3198387.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 1181327.3/18
Left In: 0.000+/-0.000 χ²/NDF:1616589.2/17
Left: 0.000+/-0.000 χ²/NDF: 5069044.7/36
Right: 0.000+/-0.000 χ²/NDF: 3729954.2/34
In: 0.000+/-0.000 χ²/NDF:4622081.2/33
Out: 0.000+/-0.000 χ²/NDF:7496519.5/37
All: 0.000+/-0.000 χ²/NDF: 12411044.7/71



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 62.7/36

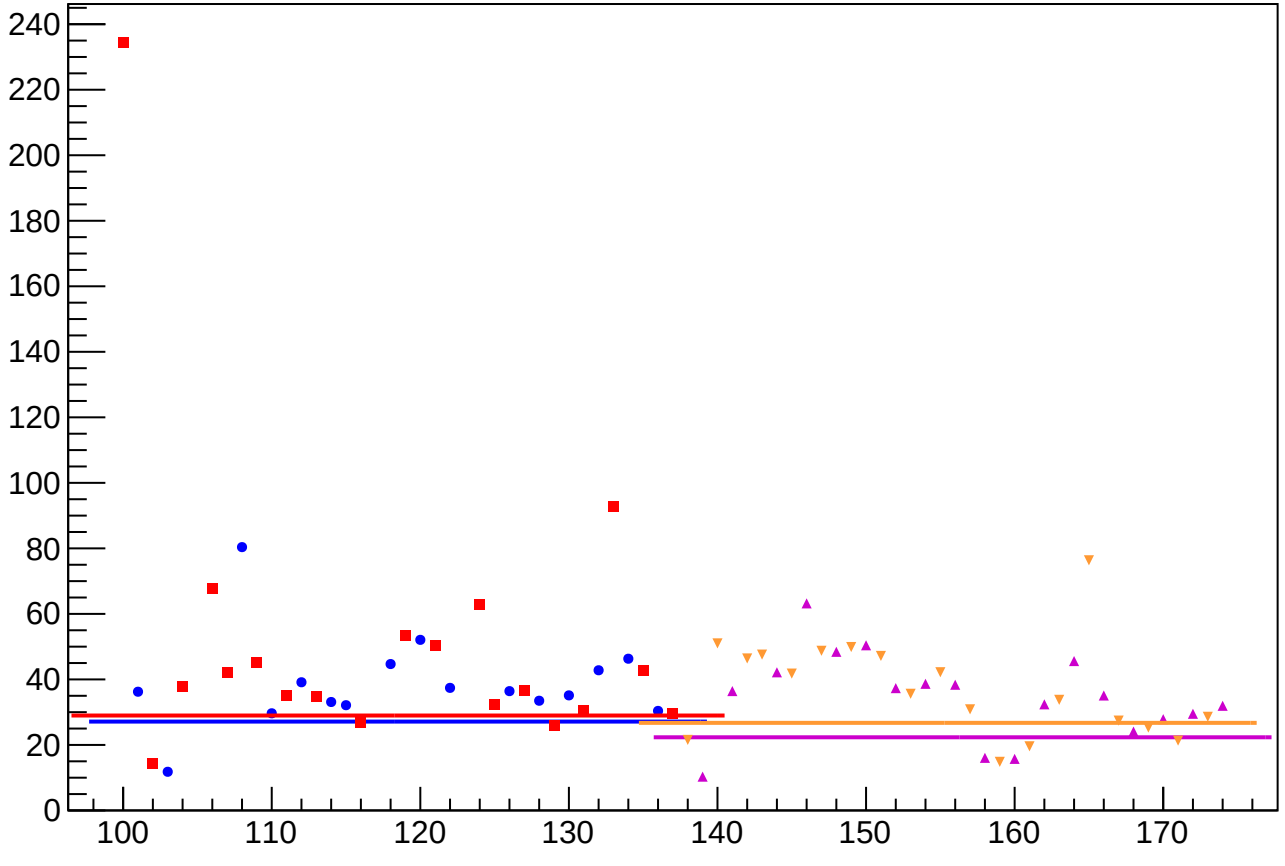
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.003+/-0.004 χ^2/NDF: 99.5/71

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 26.741+/-0.006 χ^2/NDF:4156963.1/18

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

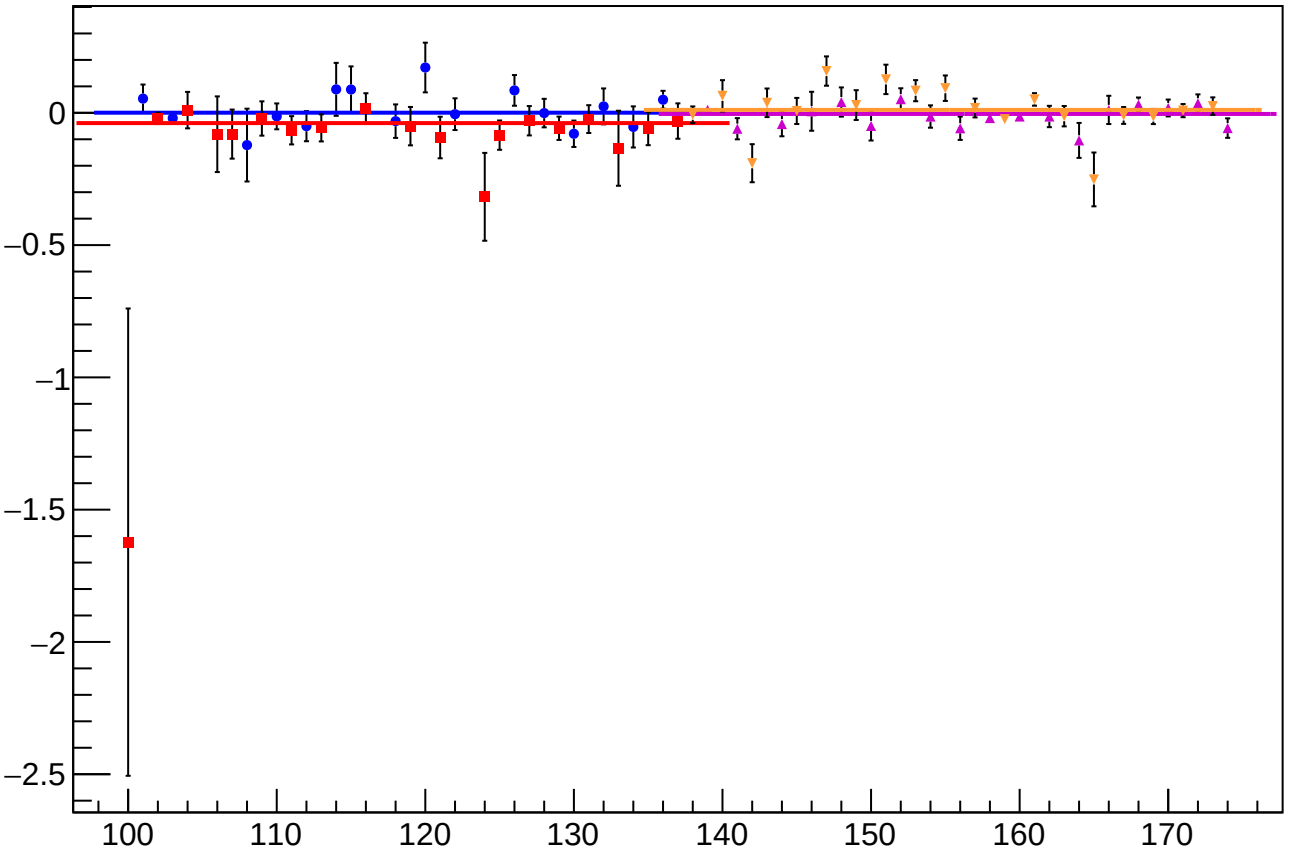
Left: 24.264+/-0.004 χ^2/NDF: 10434473.7/36

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.538+/-0.004 χ^2/NDF:8580304.9/33

Out: 27.369+/-0.005 χ^2/NDF:6658349.9/37

All: 25.254+/-0.003 χ^2/NDF: 15600171.0/71



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 62.7/36

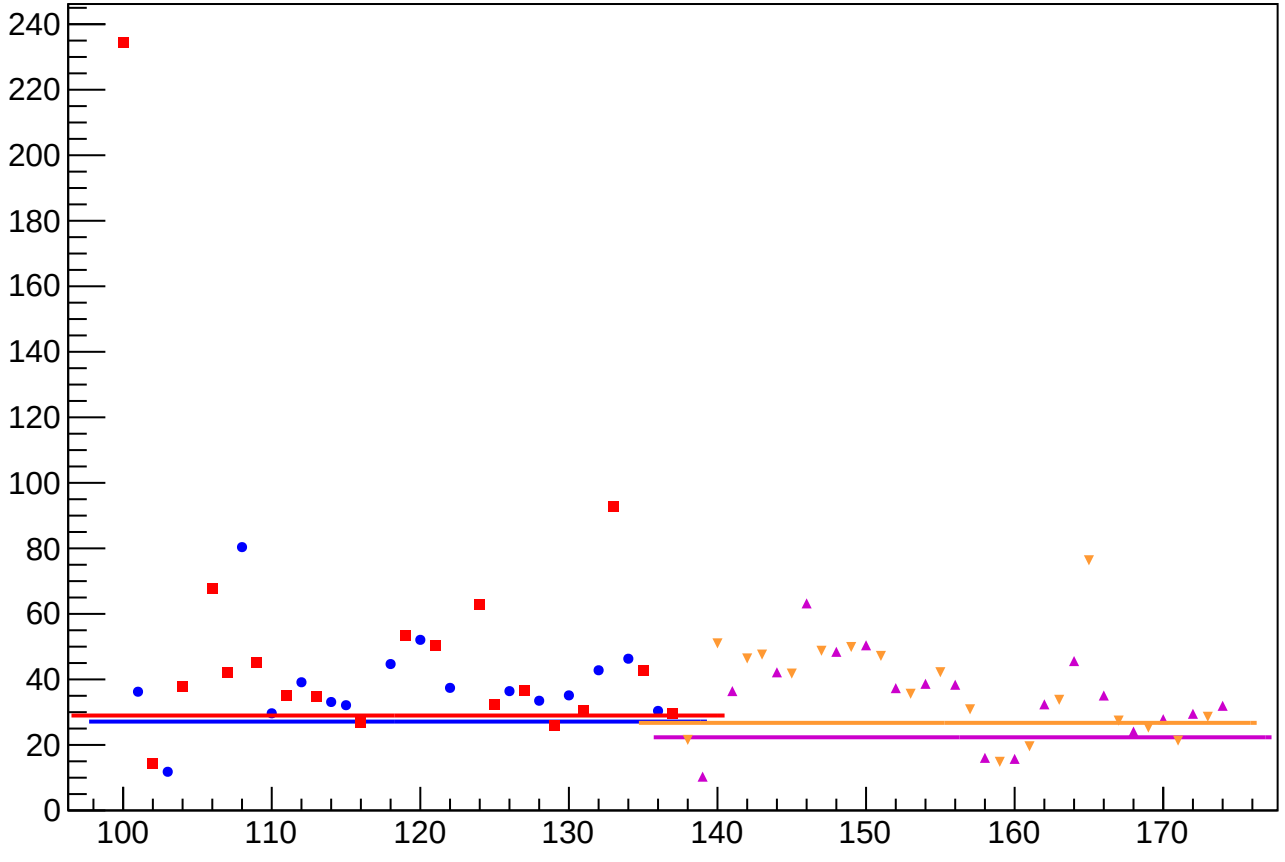
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.003+/-0.004 χ^2/NDF: 99.5/71

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.128+/-0.009 χ^2/NDF: 2415316.1/15

Left Out: 26.741+/-0.006 χ^2/NDF:4156963.1/18

Right Out: 28.979+/-0.009 χ^2/NDF: 2456254.0/18

Left In: 22.334+/-0.005 χ^2/NDF:5927267.4/17

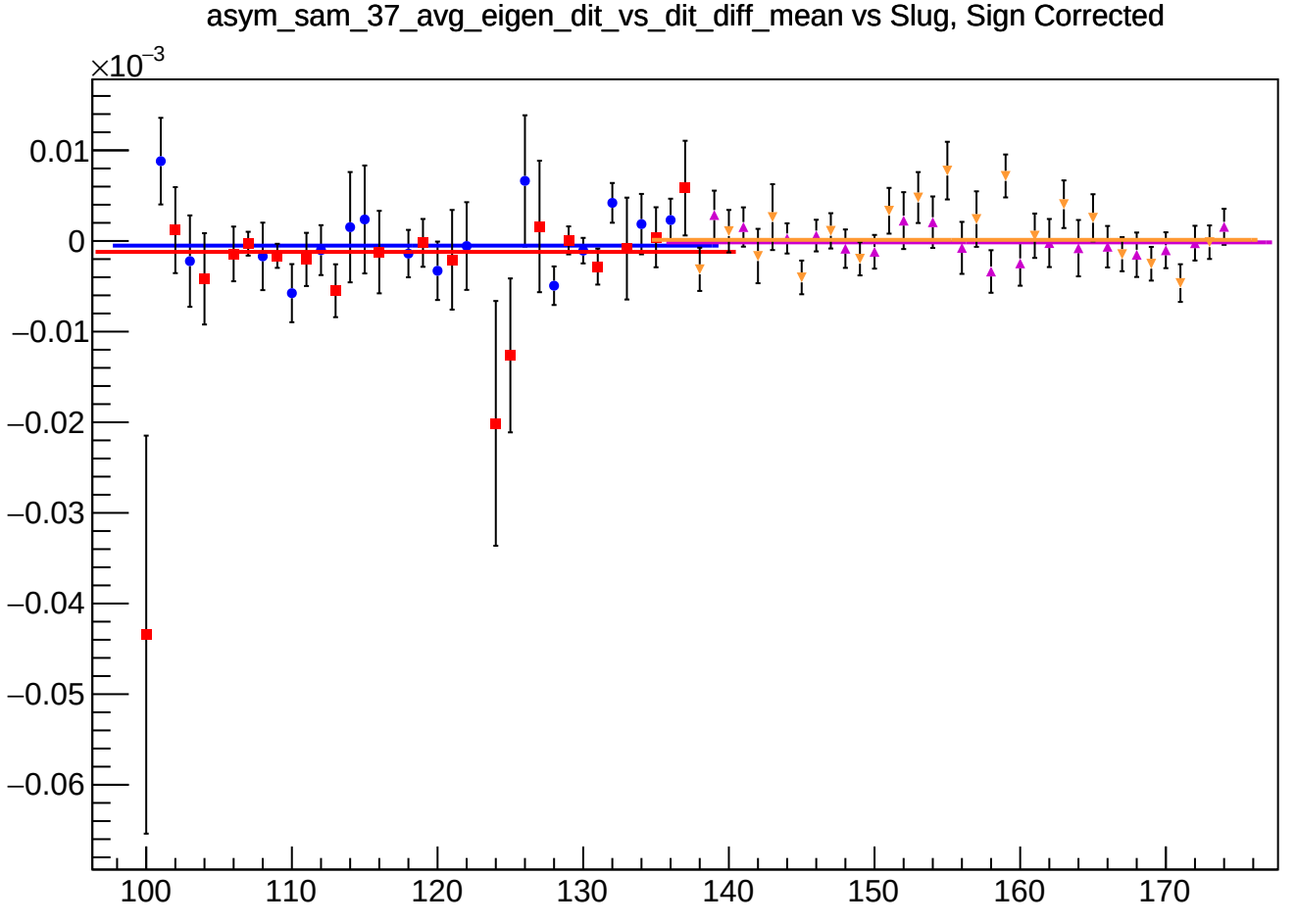
Left: 24.264+/-0.004 χ^2/NDF: 10434473.7/36

Right: 28.008+/-0.006 χ^2/NDF: 4894073.5/34

In: 23.538+/-0.004 χ^2/NDF:8580304.9/33

Out: 27.369+/-0.005 χ^2/NDF:6658349.9/37

All: 25.254+/-0.003 χ^2/NDF: 15600171.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.6/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/17

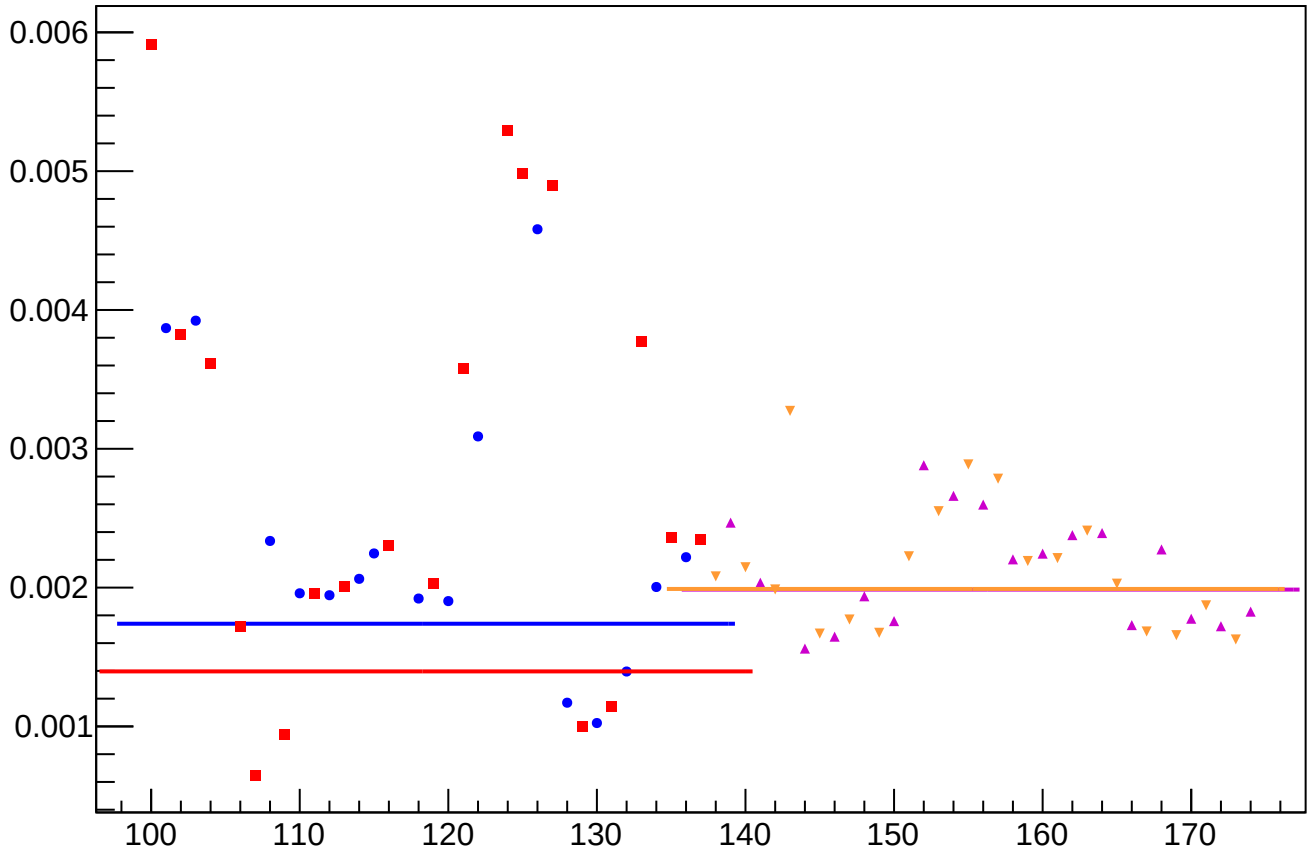
Left: -0.000+/-0.000 χ^2/NDF: 48.1/36

Right: -0.000+/-0.000 χ^2/NDF: 35.1/34

In: -0.000+/-0.000 χ^2/NDF:28.0/33

Out: -0.000+/-0.000 χ^2/NDF:57.4/37

All: -0.000+/-0.000 χ^2/NDF: 85.5/71



Right In: 0.002+/-0.000 χ^2/NDF: 2146798.7/15

Left Out: 0.002+/-0.000 χ^2/NDF:1080098.2/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4323193.2/18

Left In: 0.002+/-0.000 χ^2/NDF:913039.5/17

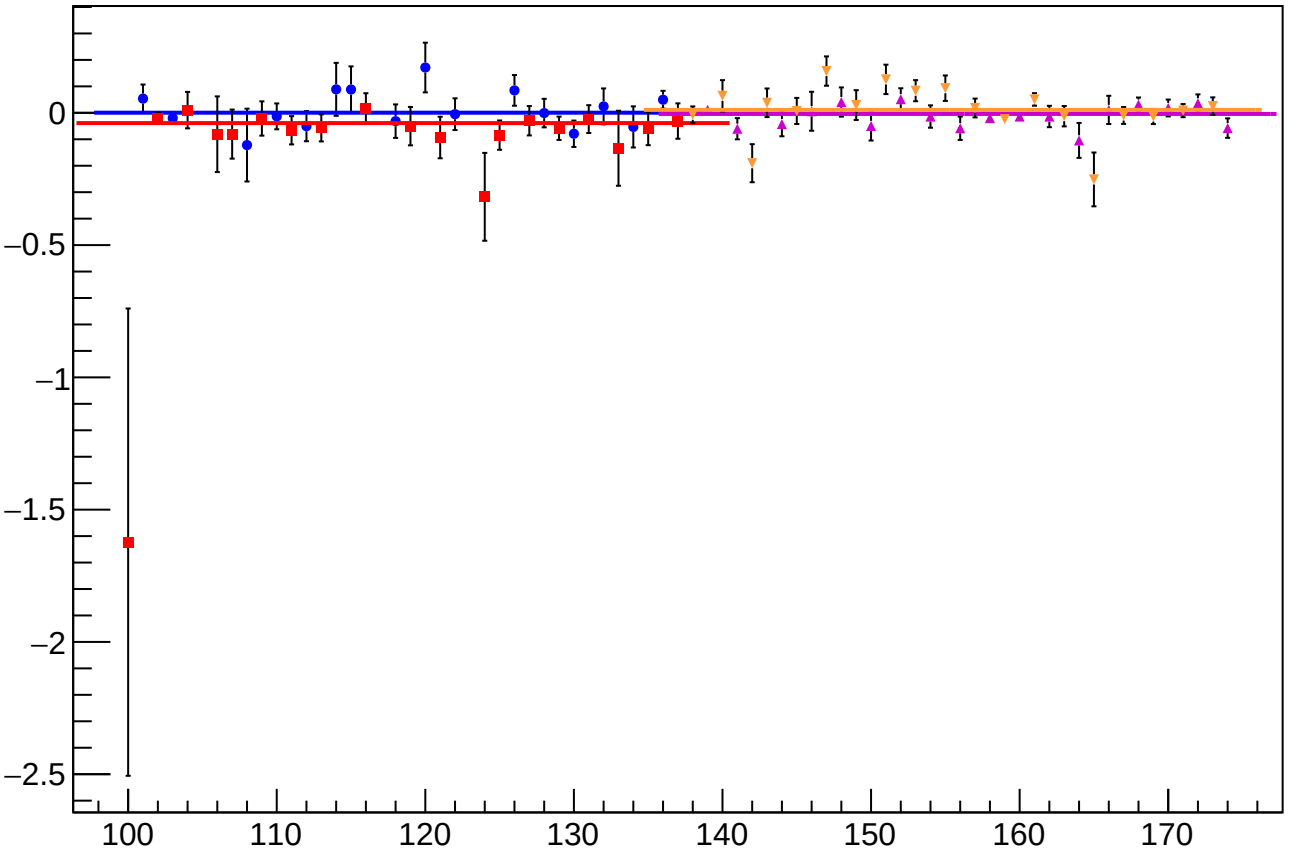
Left: 0.002+/-0.000 χ^2/NDF: 1993216.2/36

Right: 0.002+/-0.000 χ^2/NDF: 6735676.7/34

In: 0.002+/-0.000 χ^2/NDF:3213172.4/33

Out: 0.002+/-0.000 χ^2/NDF:6487942.3/37

All: 0.002+/-0.000 χ^2/NDF: 9855800.1/71



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 62.7/36

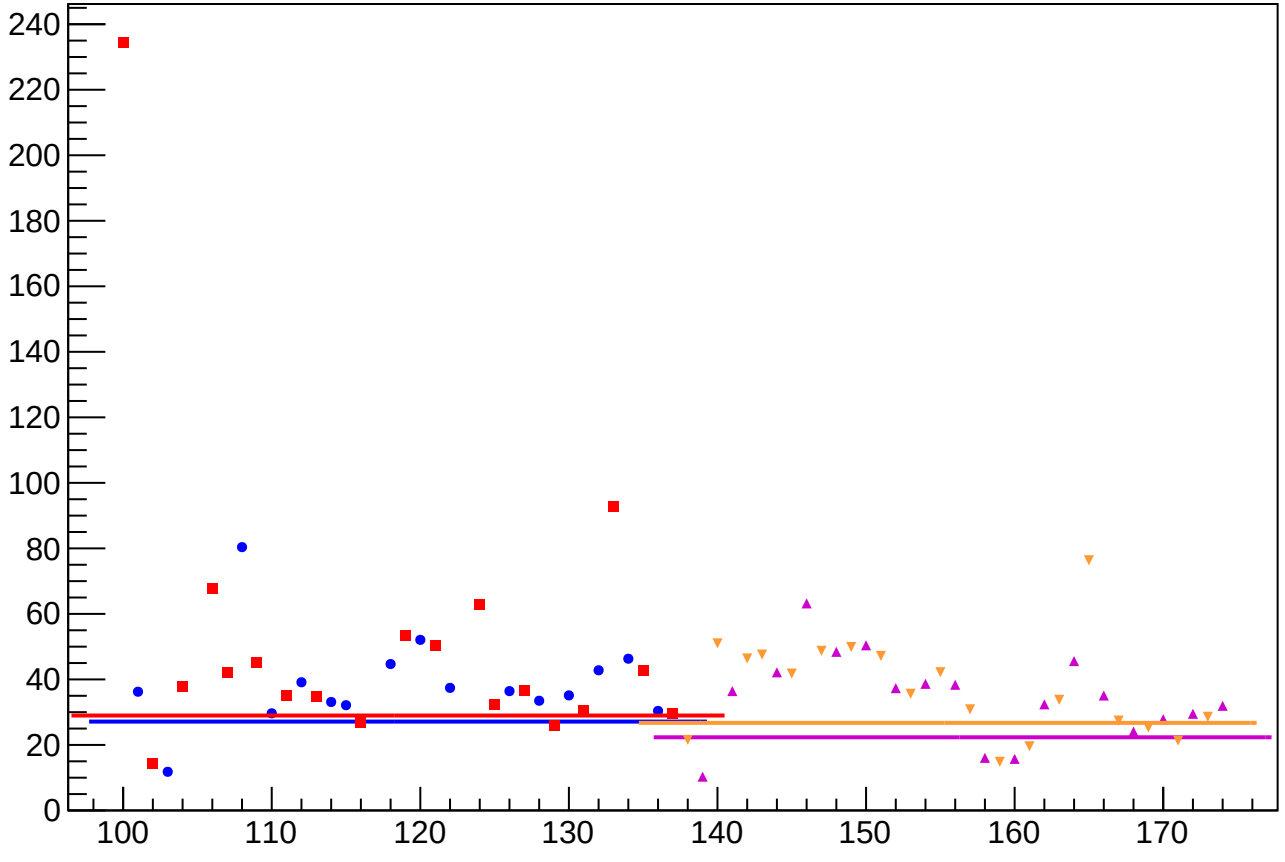
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.003+/-0.004 χ^2/NDF: 99.5/71

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 26.740+/-0.006 χ^2/NDF:4157370.2/18

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

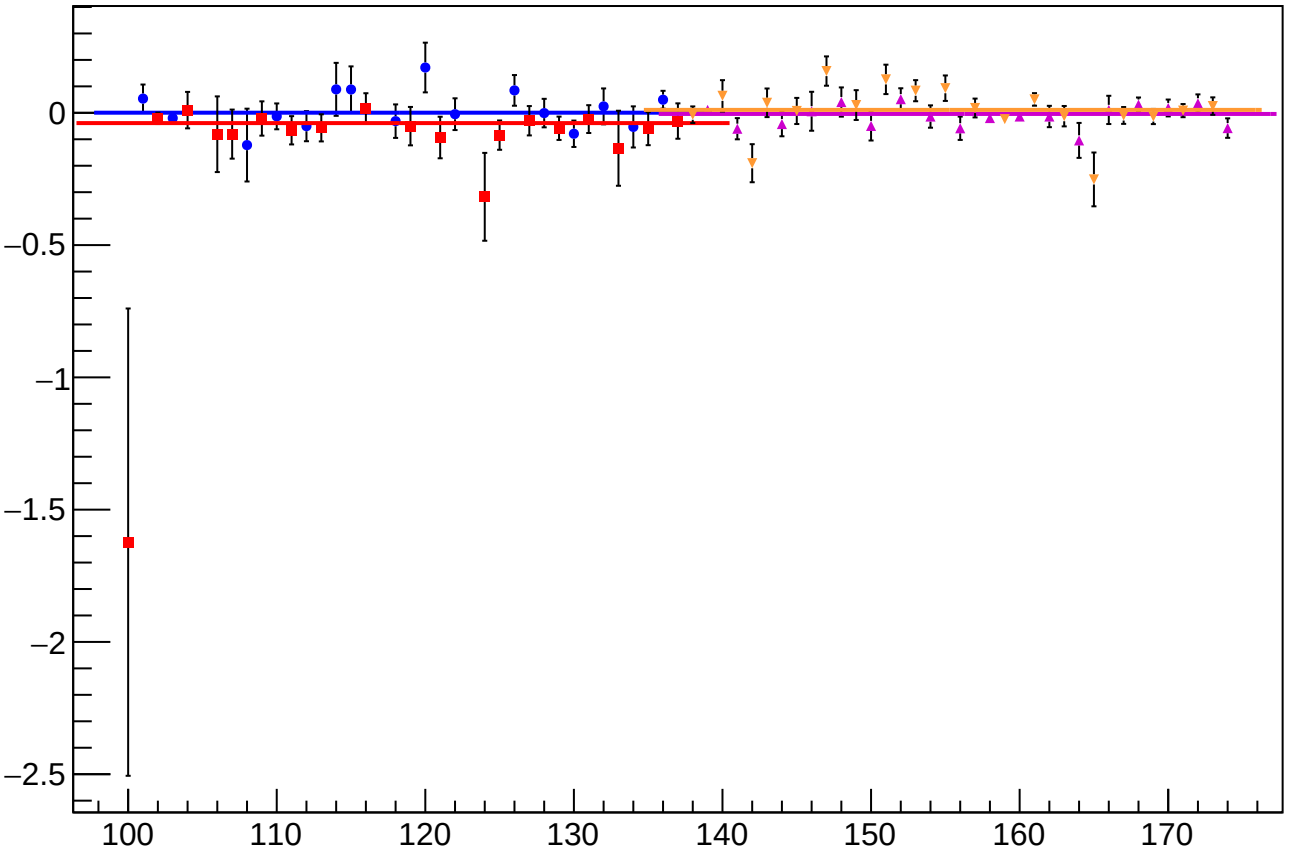
Left: 24.263+/-0.004 χ^2/NDF: 10435925.3/36

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.537+/-0.004 χ^2/NDF:8581606.0/33

Out: 27.369+/-0.005 χ^2/NDF:6658284.6/37

All: 25.253+/-0.003 χ^2/NDF: 15601684.8/71



Right In: 0.000+/-0.012 χ^2/NDF: 16.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:42.7/18

Right Out: -0.039+/-0.013 χ^2/NDF: 11.1/18

Left In: -0.004+/-0.007 χ^2/NDF:17.9/17

Left: 0.002+/-0.005 χ^2/NDF: 62.7/36

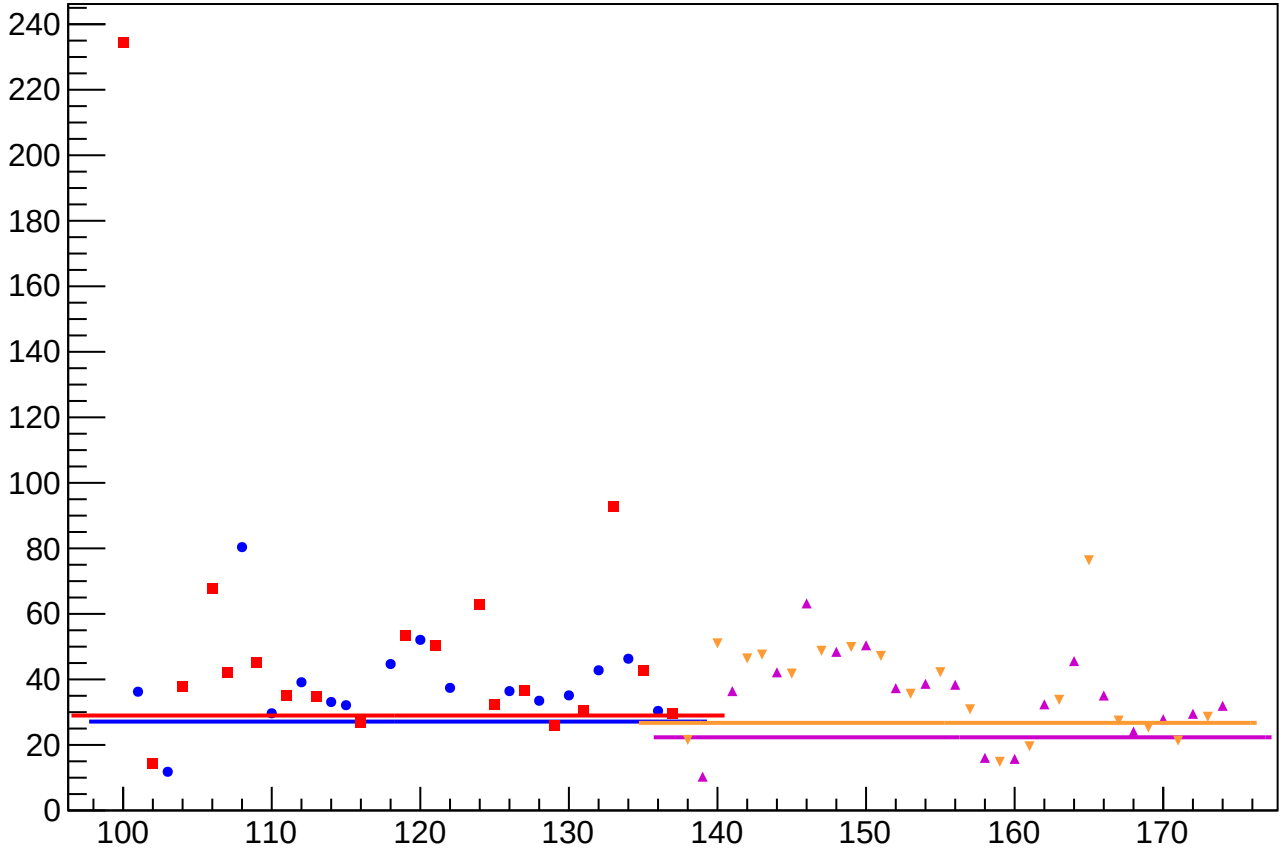
Right: -0.018+/-0.009 χ^2/NDF: 32.6/34

In: -0.003+/-0.006 χ^2/NDF:34.5/33

Out: -0.003+/-0.007 χ^2/NDF:65.0/37

All: -0.003+/-0.004 χ^2/NDF: 99.5/71

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.127+/-0.009 χ^2/NDF: 2415651.3/15

Left Out: 26.740+/-0.006 χ^2/NDF:4157370.2/18

Right Out: 28.982+/-0.009 χ^2/NDF: 2455659.1/18

Left In: 22.333+/-0.005 χ^2/NDF:5928189.5/17

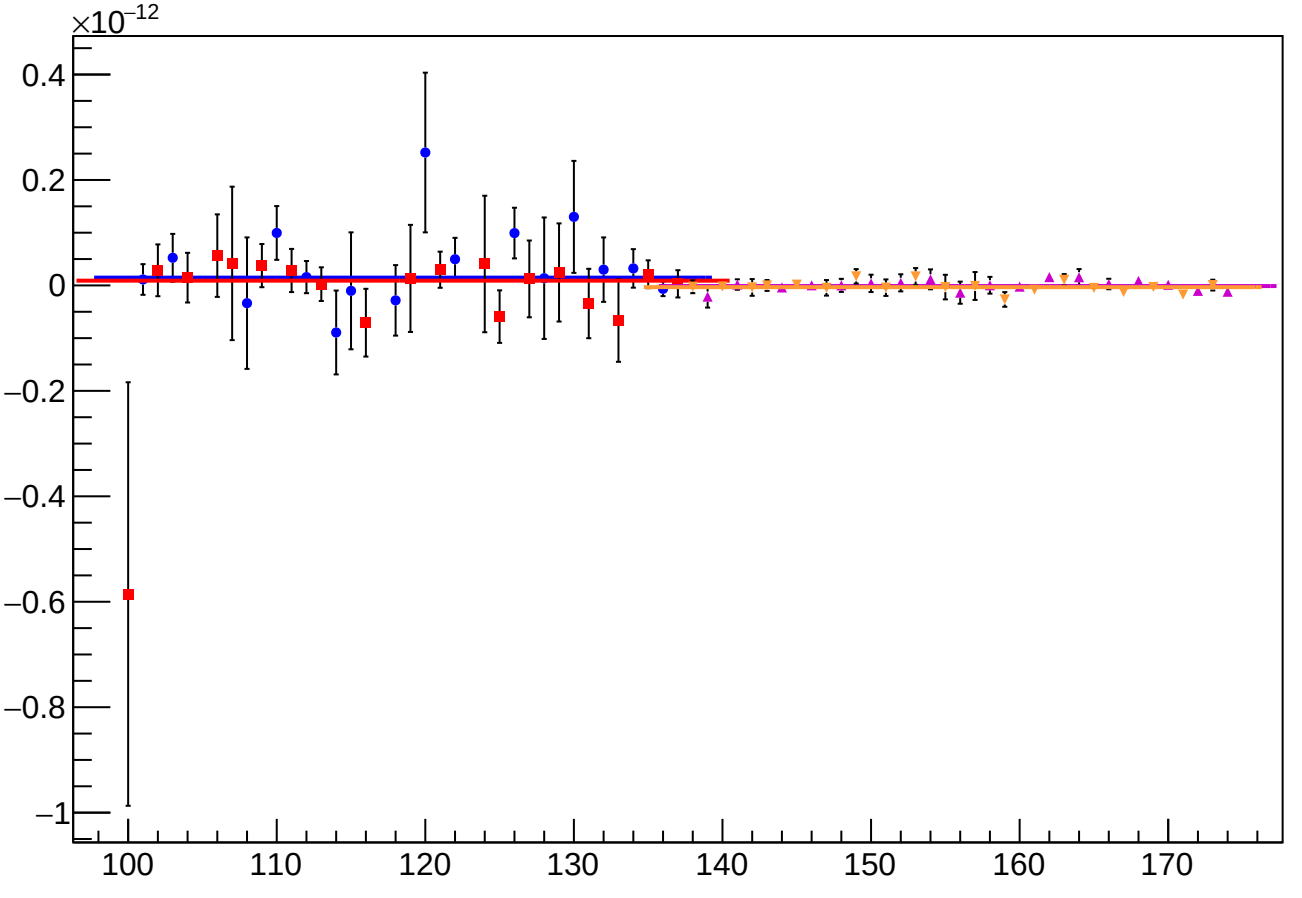
Left: 24.263+/-0.004 χ^2/NDF: 10435925.3/36

Right: 28.009+/-0.006 χ^2/NDF: 4893896.0/34

In: 23.537+/-0.004 χ^2/NDF:8581606.0/33

Out: 27.369+/-0.005 χ^2/NDF:6658284.6/37

All: 25.253+/-0.003 χ^2/NDF: 15601684.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:13.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 9.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.6/17

Left: -0.000+/-0.000 χ^2/NDF: 27.3/36

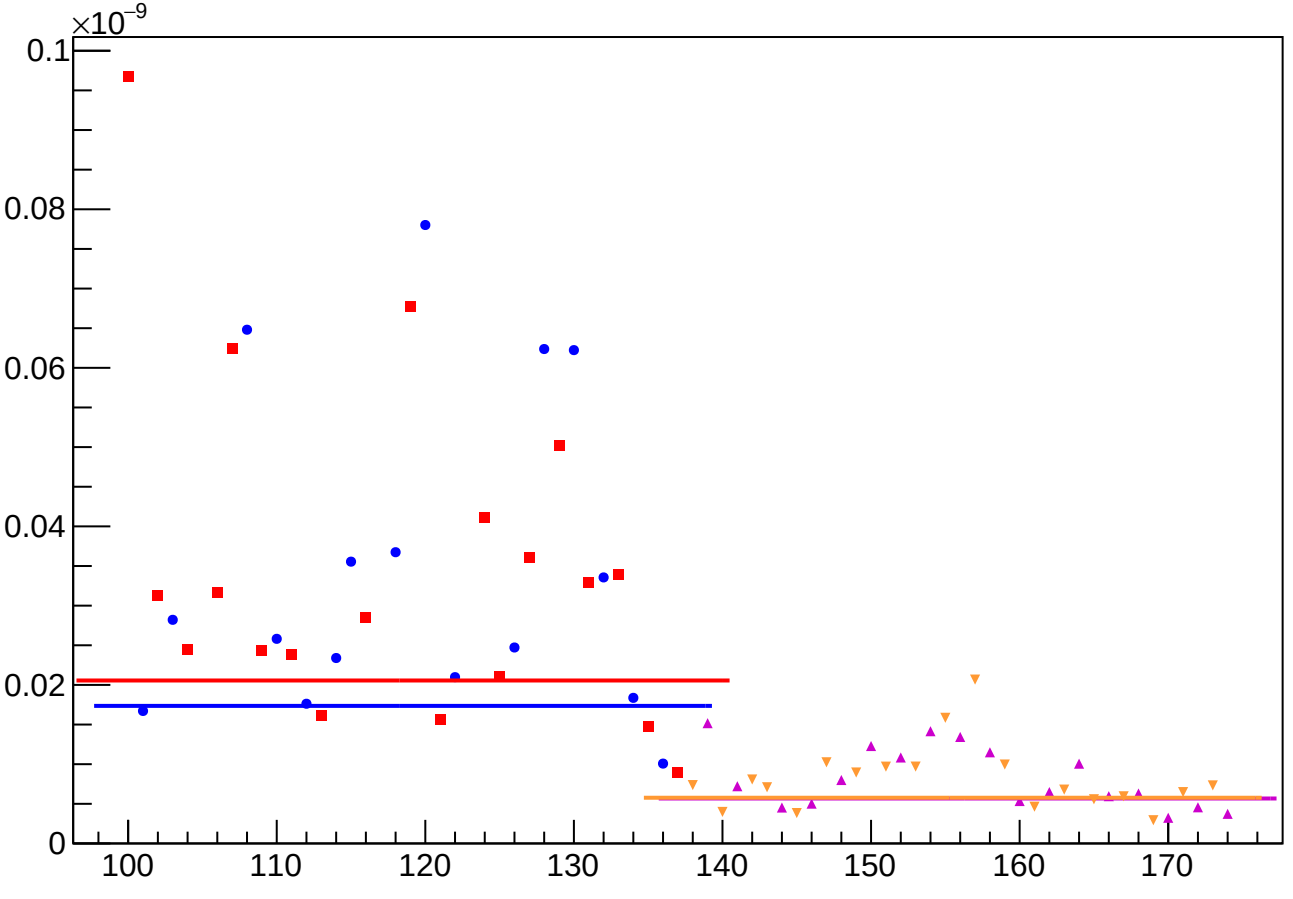
Right: 0.000+/-0.000 χ^2/NDF: 25.1/34

In: -0.000+/-0.000 χ^2/NDF:32.2/33

Out: -0.000+/-0.000 χ^2/NDF:23.6/37

All: -0.000+/-0.000 χ^2/NDF: 56.4/71

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2442014.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2797399.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1925673.6/18

Left In: 0.000+/-0.000 χ^2/NDF:2940092.9/17

Left: 0.000+/-0.000 χ^2/NDF: 5739326.2/36

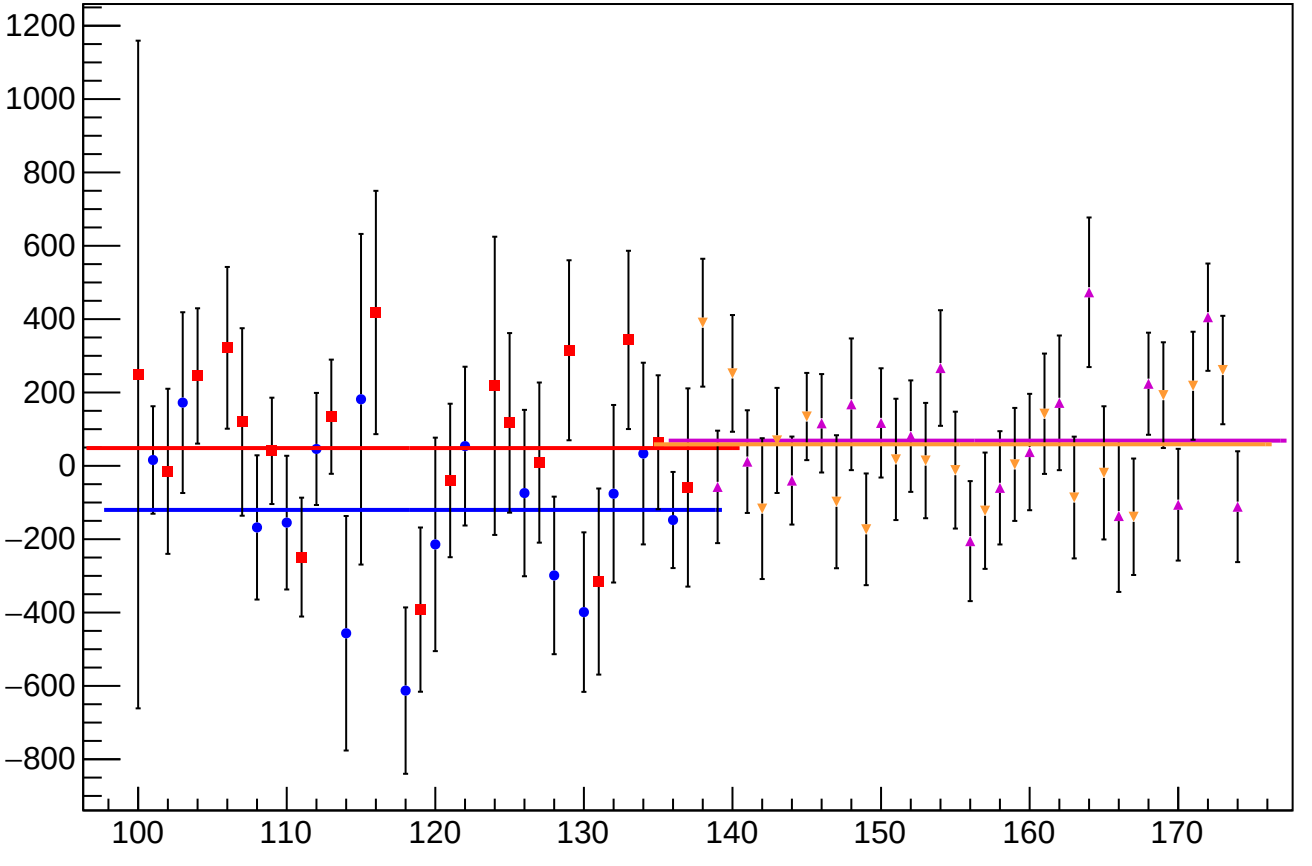
Right: 0.000+/-0.000 χ^2/NDF: 4467051.7/34

In: 0.000+/-0.000 χ^2/NDF:8281328.2/33

Out: 0.000+/-0.000 χ^2/NDF:8301250.8/37

All: 0.000+/-0.000 χ^2/NDF: 16585037.0/71

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -120.159+/-51.103 χ^2/NDF: 13.4/15

Left Out: 58.766+/-35.939 χ^2/NDF:17.8/18

Right Out: 48.449+/-49.910 χ^2/NDF: 17.0/18

Left In: 68.716+/-36.286 χ^2/NDF:21.8/17

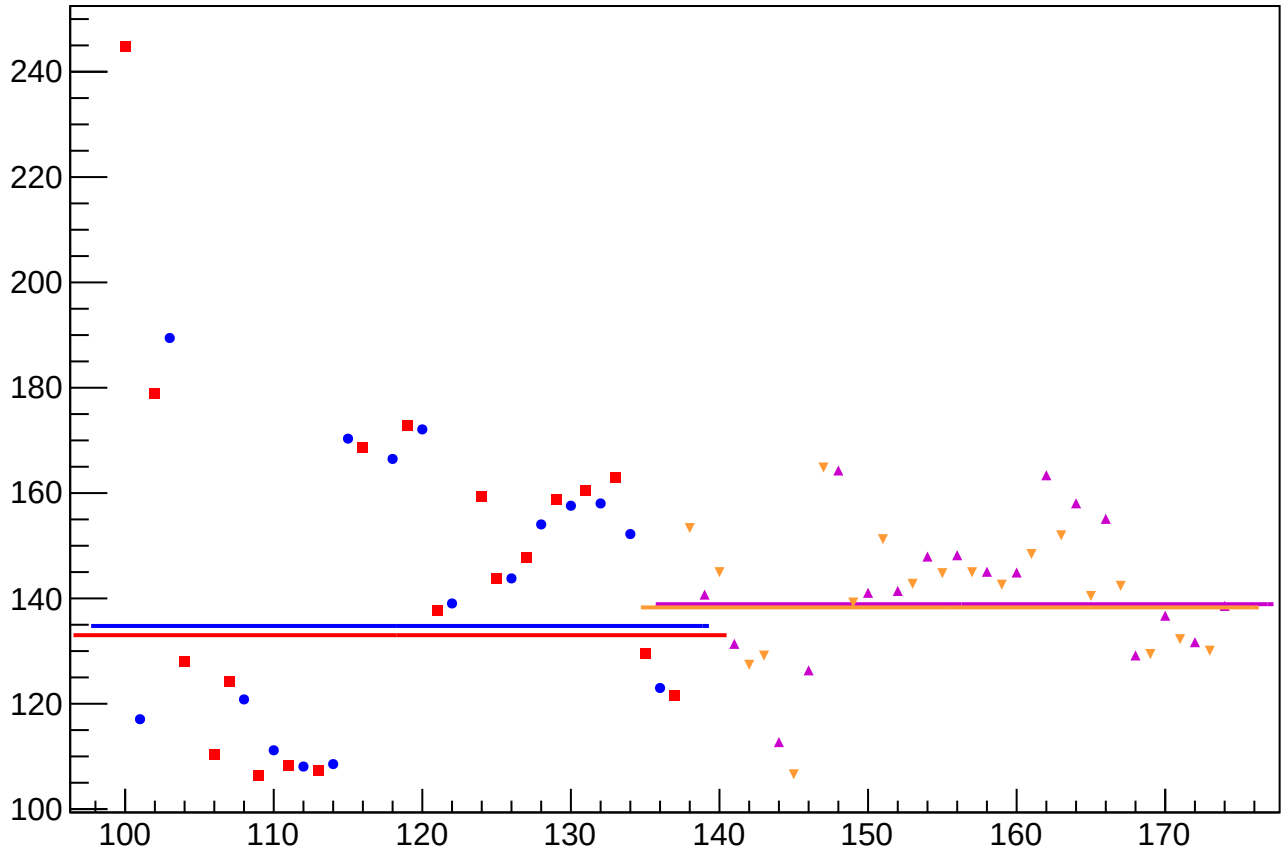
Left: 63.693+/-25.534 χ^2/NDF: 39.7/36

Right: -33.863+/-35.706 χ^2/NDF: 36.0/34

In: 5.408+/-29.586 χ^2/NDF:44.3/33

Out: 55.243+/-29.165 χ^2/NDF:34.9/37

All: 30.683+/-20.770 χ^2/NDF: 80.6/71



Right In: 134.771+/-0.036 χ^2/NDF: 416778.7/15

Left Out: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 133.019+/-0.035 χ^2/NDF: 495717.0/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

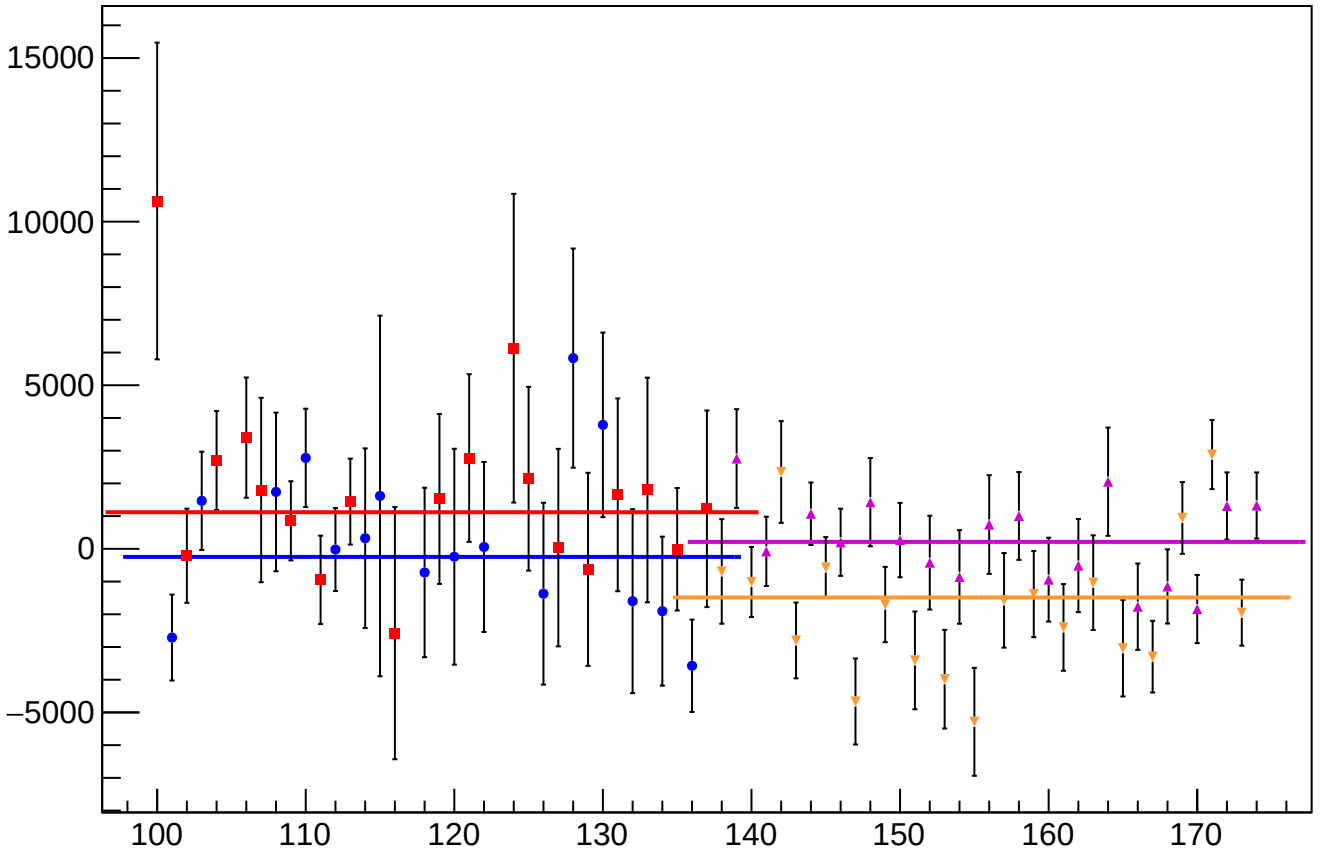
Left: 138.594+/-0.018 χ^2/NDF: 540052.8/36

Right: 133.875+/-0.025 χ^2/NDF: 913698.6/34

In: 137.517+/-0.021 χ^2/NDF:684850.0/33

Out: 136.492+/-0.021 χ^2/NDF:790805.9/37

All: 136.997+/-0.015 χ^2/NDF: 1476873.2/71



Right In: -246.357+/-501.413 χ^2/NDF: 21.6/15

Left Out: -1486.501+/-285.331 χ^2/NDF:51.1/18

Right Out: 1119.420+/-468.400 χ^2/NDF: 13.4/18

Left In: 212.558+/-284.663 χ^2/NDF:18.0/17

Left: -634.979+/-201.523 χ^2/NDF: 86.8/36

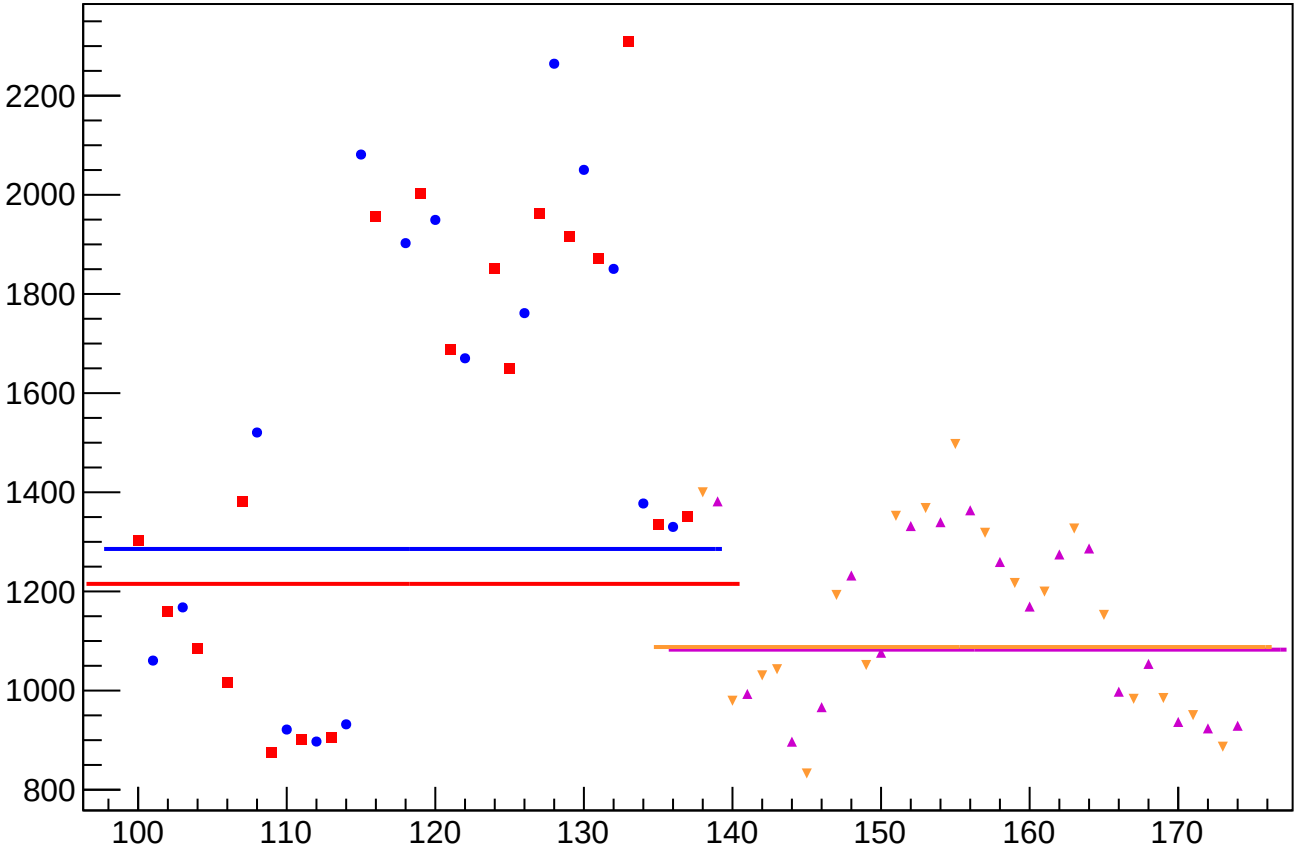
Right: 482.970+/-342.285 χ^2/NDF: 39.0/34

In: 100.699+/-247.551 χ^2/NDF:40.3/33

Out: -781.215+/-243.679 χ^2/NDF:87.0/37

All: -347.209+/-173.660 χ^2/NDF: 133.7/71

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: 1087.862+/-0.202 χ^2/NDF:815086.3/18

Right Out: 1215.237+/-0.331 χ^2/NDF: 1386290.4/18

Left In: 1082.569+/-0.201 χ^2/NDF:666583.3/17

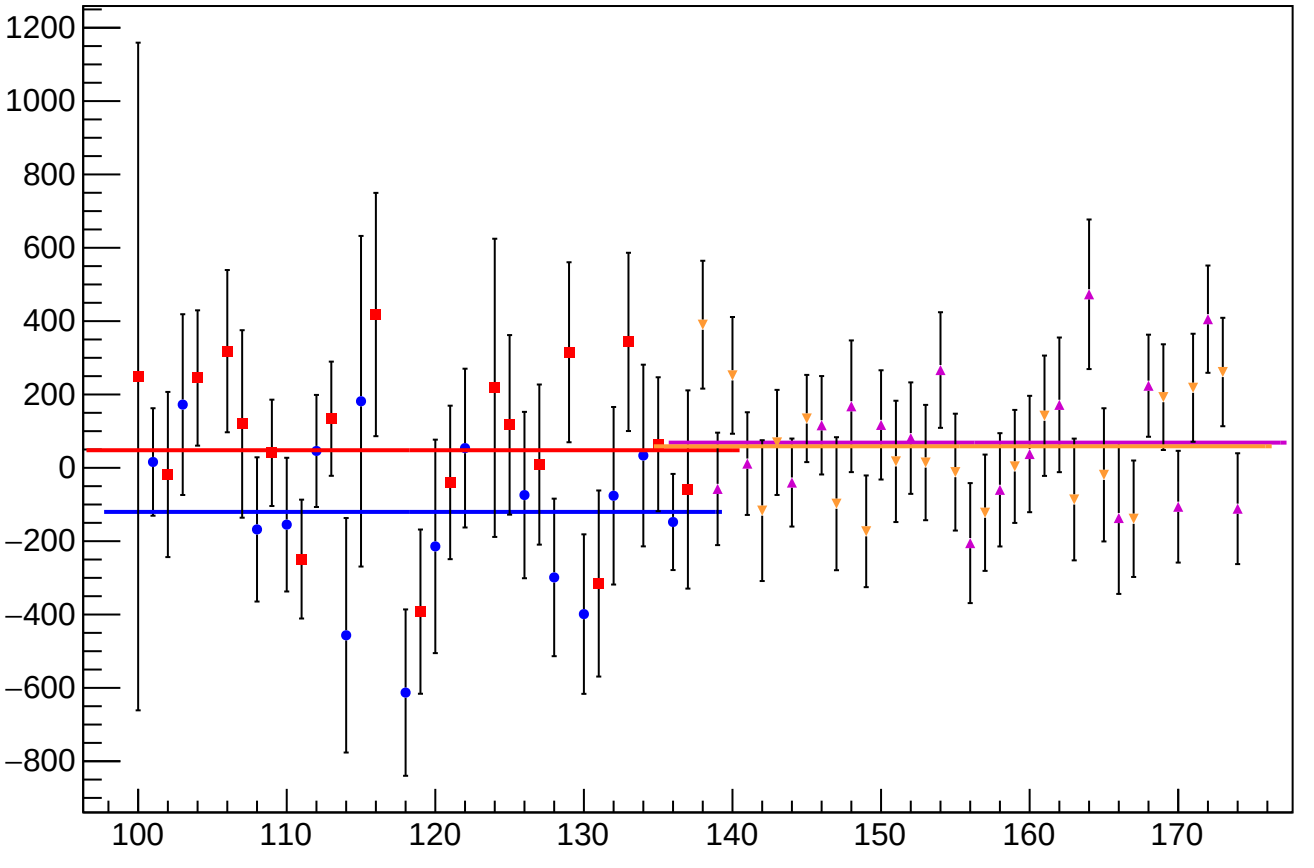
Left: 1085.210+/-0.142 χ^2/NDF: 1482014.6/36

Right: 1248.058+/-0.242 χ^2/NDF: 2577799.9/34

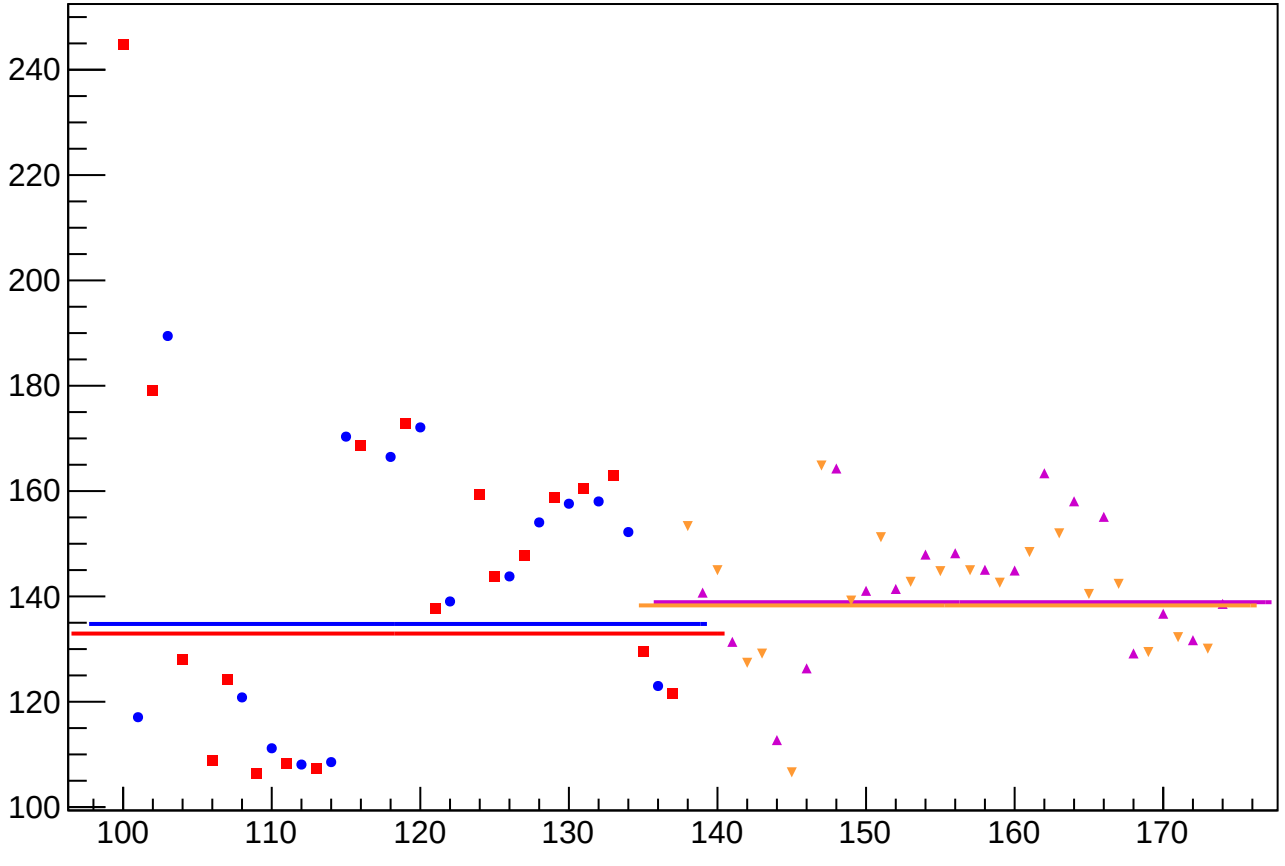
In: 1132.074+/-0.175 χ^2/NDF:2085174.9/33

Out: 1122.336+/-0.172 χ^2/NDF:2309246.5/37

All: 1127.128+/-0.123 χ^2/NDF: 4395993.1/71


cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 58.769+/-35.939 χ²/NDF:17.8/18
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 68.715+/-36.286 χ²/NDF:21.8/17
Left: 63.694+/-25.534 χ²/NDF: 39.7/36
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: 5.404+/-29.586 χ²/NDF:44.3/33
Out: 55.097+/-29.166 χ²/NDF:34.8/37
All: 30.606+/-20.771 χ²/NDF: 80.6/71

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

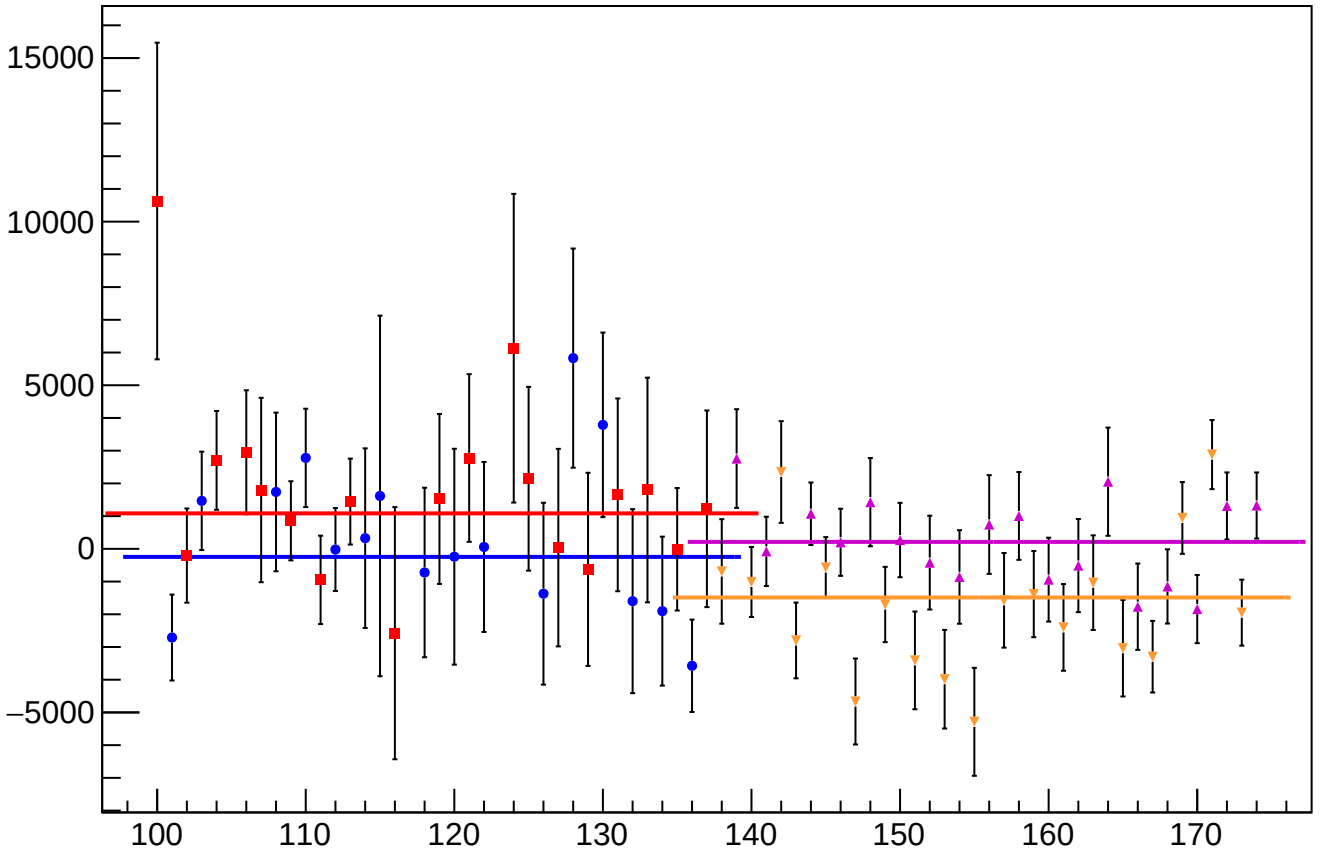
Left: 138.594+/-0.018 χ^2/NDF: 540052.8/36

Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.517+/-0.021 χ^2/NDF:684852.9/33

Out: 136.468+/-0.021 χ^2/NDF:794342.3/37

All: 136.985+/-0.015 χ^2/NDF: 1480470.8/71



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1486.497+/-285.331 χ^2/NDF:51.0/18

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 212.565+/-284.663 χ^2/NDF:18.0/17

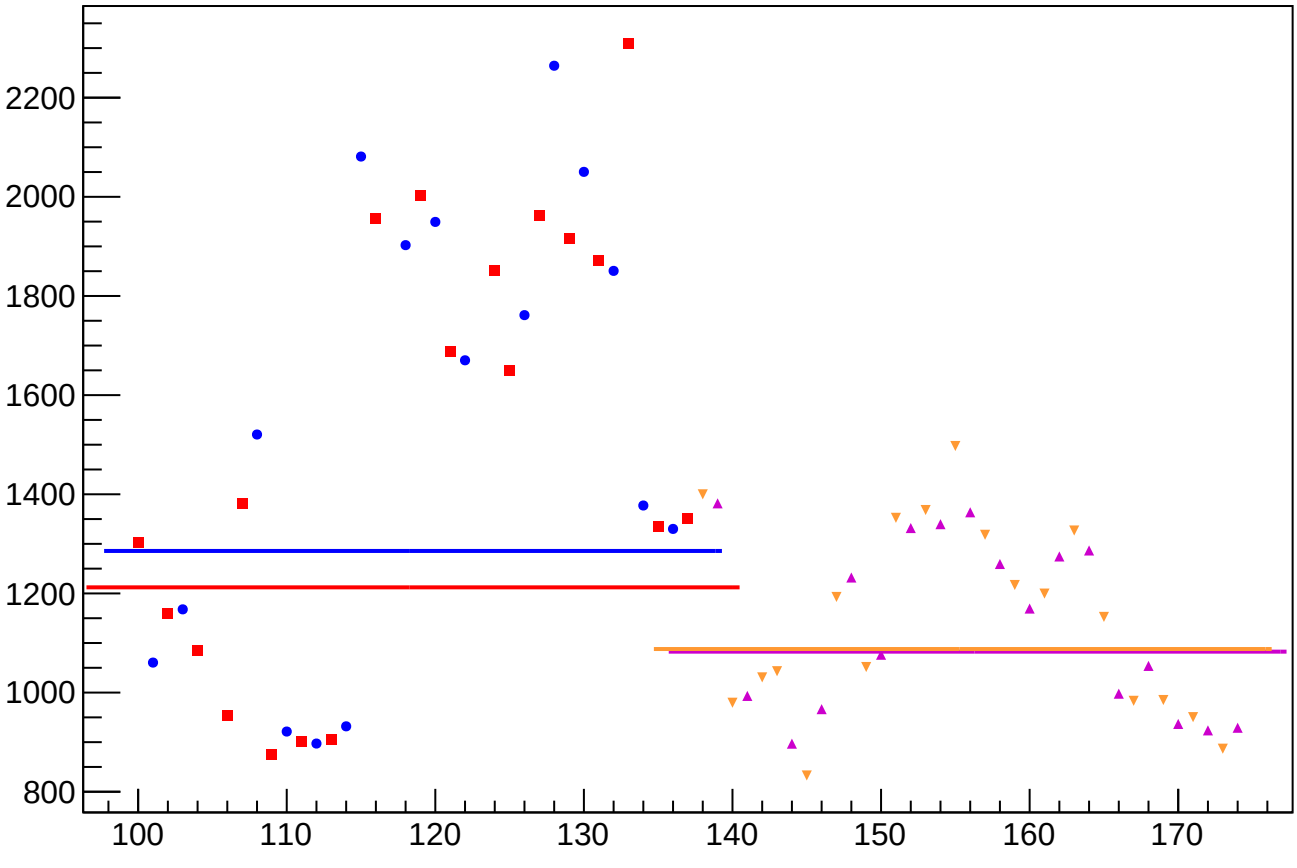
Left: -634.974+/-201.523 χ^2/NDF: 86.8/36

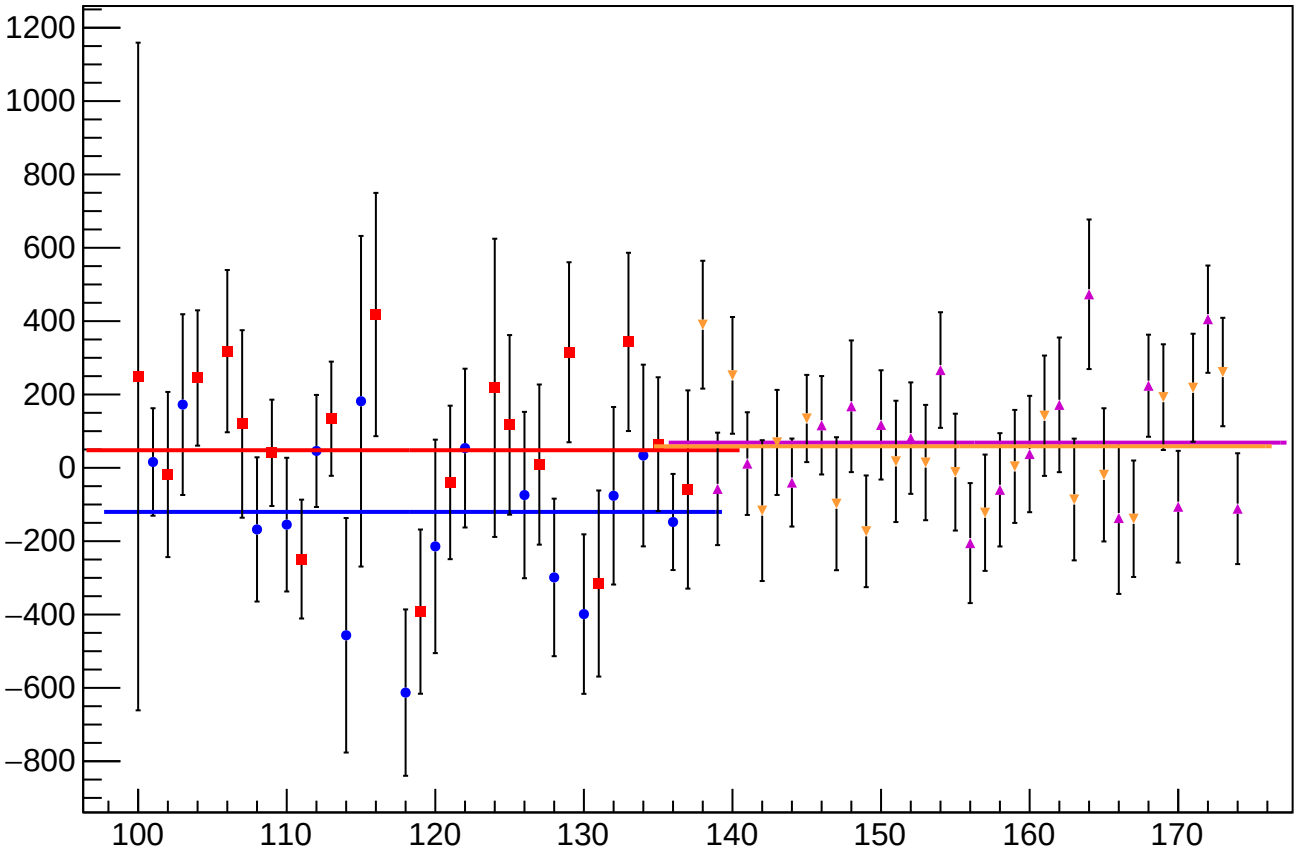
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

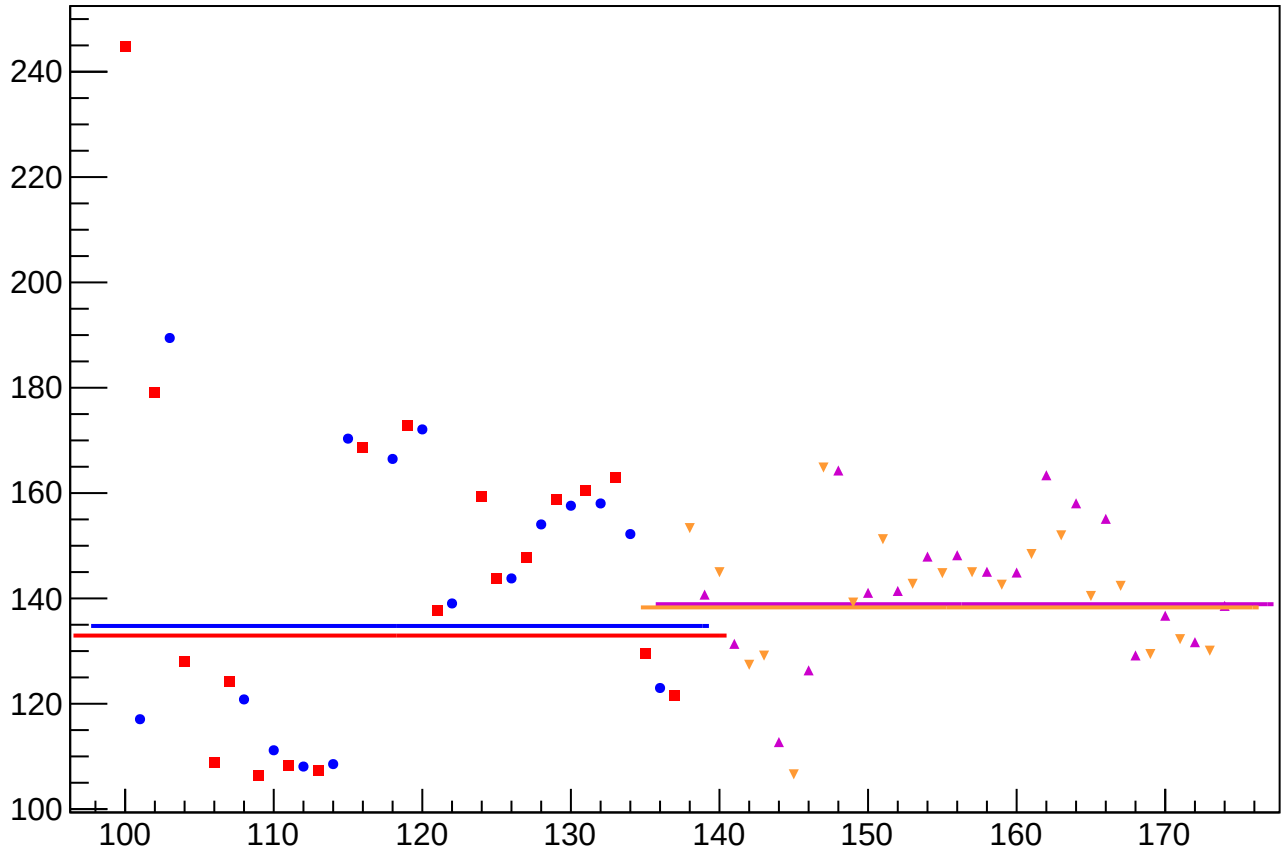
In: 100.689+/-247.552 χ^2/NDF:40.3/33

Out: -792.771+/-243.809 χ^2/NDF:85.7/37

All: -352.846+/-173.707 χ^2/NDF: 132.6/71


asym_sam_48_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1087.862+/-0.202 χ²/NDF:815087.0/18
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1082.569+/-0.201 χ²/NDF:666583.4/17
Left: 1085.209+/-0.142 χ²/NDF: 1482015.4/36
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1132.076+/-0.175 χ²/NDF:2085179.6/33
Out: 1121.438+/-0.172 χ²/NDF:2318339.2/37
All: 1126.676+/-0.123 χ²/NDF: 4405393.7/71


eigen_cor_asym_sam_48_avg_mean vs Slug, Sign Corrected
1200
1000
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -120.169+/-51.103 χ²/NDF: 13.4/15
Left Out: 58.769+/-35.939 χ²/NDF:17.8/18
Right Out: 48.013+/-49.919 χ²/NDF: 17.0/18
Left In: 68.715+/-36.286 χ²/NDF:21.8/17
Left: 63.694+/-25.534 χ²/NDF: 39.7/36
Right: -34.107+/-35.709 χ²/NDF: 35.9/34
In: 5.404+/-29.586 χ²/NDF:44.3/33
Out: 55.097+/-29.166 χ²/NDF:34.8/37
All: 30.606+/-20.771 χ²/NDF: 80.6/71



Right In: 134.771+/-0.036 χ^2/NDF: 416781.8/15

Left Out: 138.293+/-0.025 χ^2/NDF:280383.9/18

Right Out: 132.947+/-0.035 χ^2/NDF: 498850.6/18

Left In: 138.902+/-0.026 χ^2/NDF:259384.8/17

Left: 138.594+/-0.018 χ^2/NDF: 540052.8/36

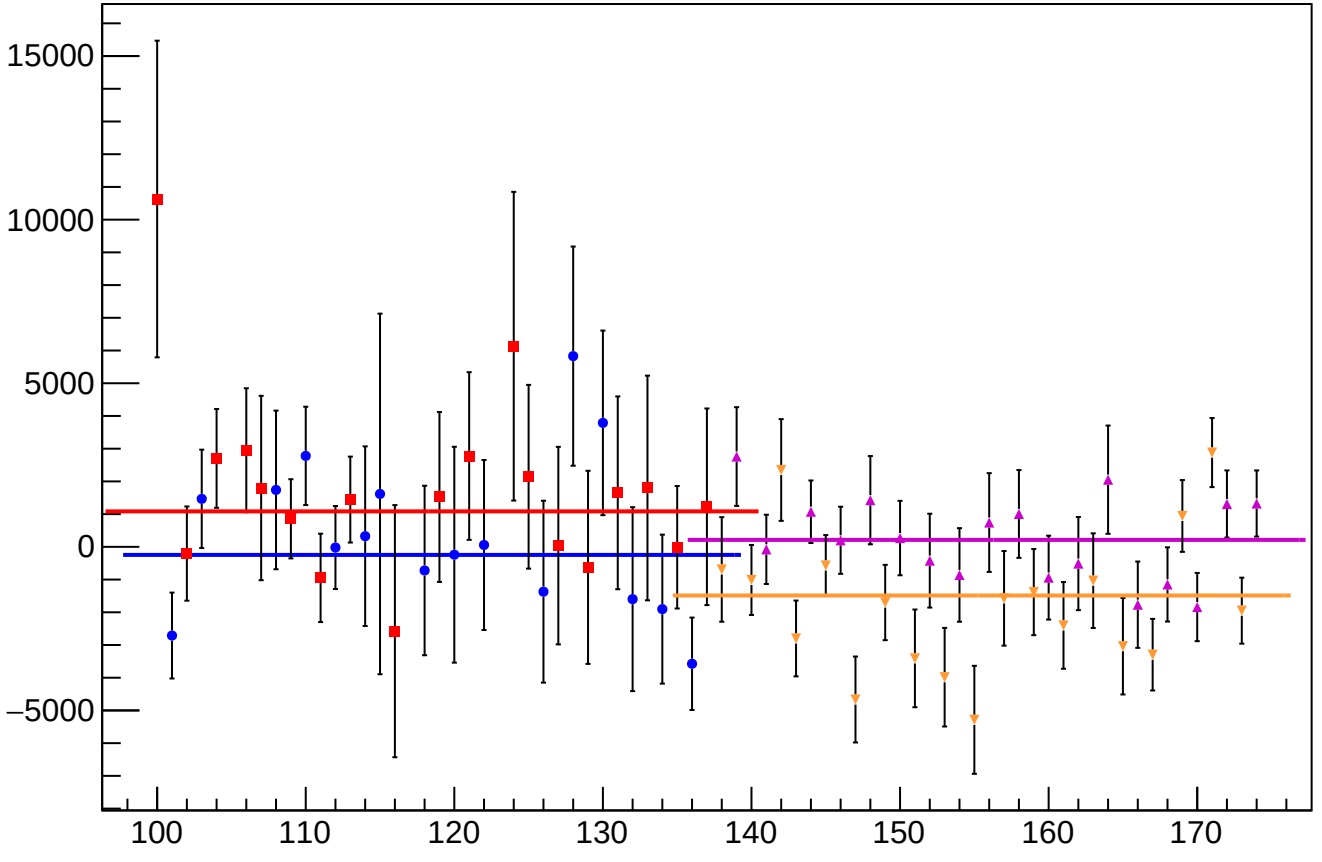
Right: 133.838+/-0.025 χ^2/NDF: 916936.5/34

In: 137.517+/-0.021 χ^2/NDF:684852.9/33

Out: 136.468+/-0.021 χ^2/NDF:794342.3/37

All: 136.985+/-0.015 χ^2/NDF: 1480470.8/71

asym_sam_48_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -246.428+/-501.418 χ^2/NDF: 21.6/15

Left Out: -1486.497+/-285.331 χ^2/NDF:51.0/18

Right Out: 1084.094+/-469.323 χ^2/NDF: 12.8/18

Left In: 212.565+/-284.663 χ^2/NDF:18.0/17

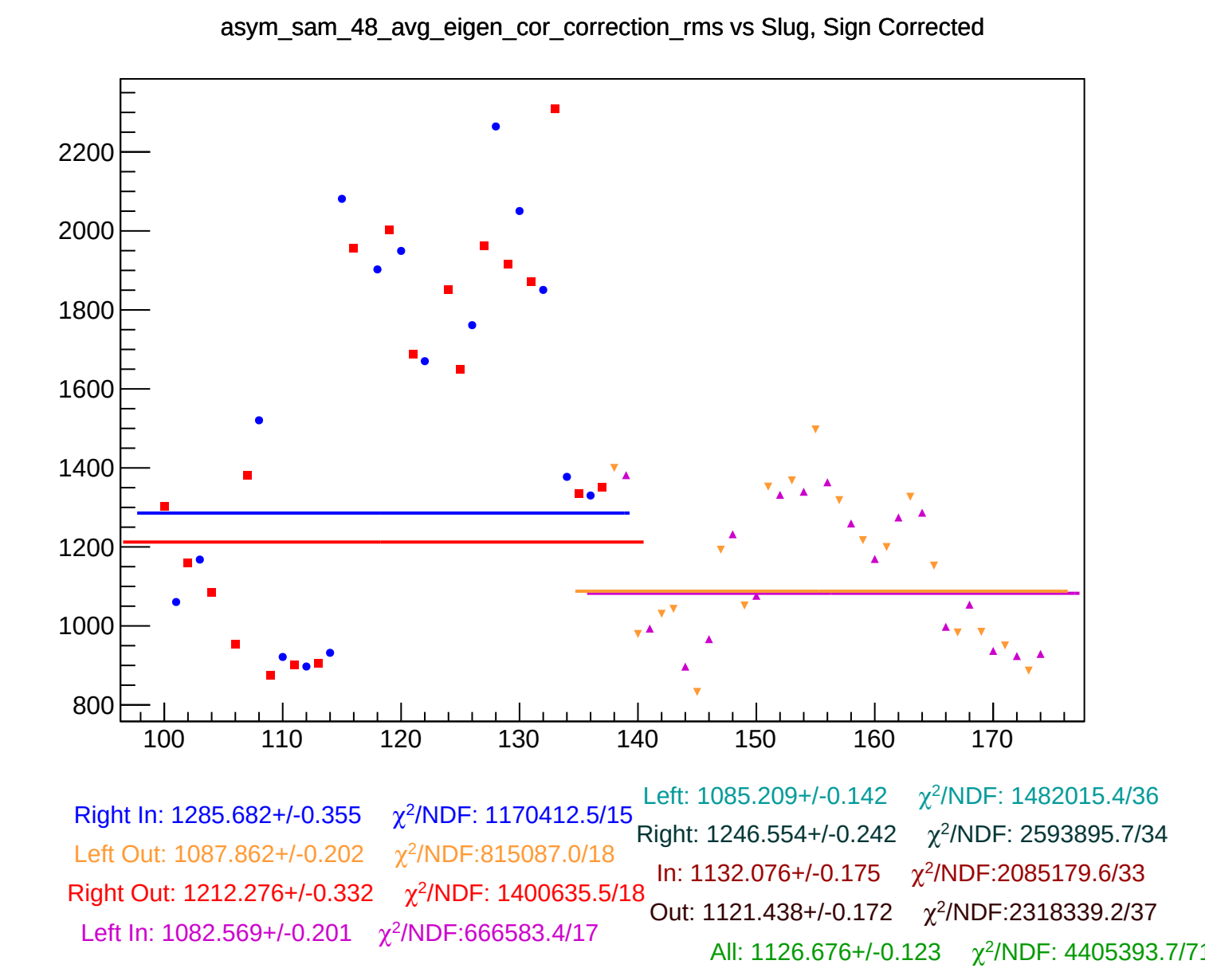
Left: -634.974+/-201.523 χ^2/NDF: 86.8/36

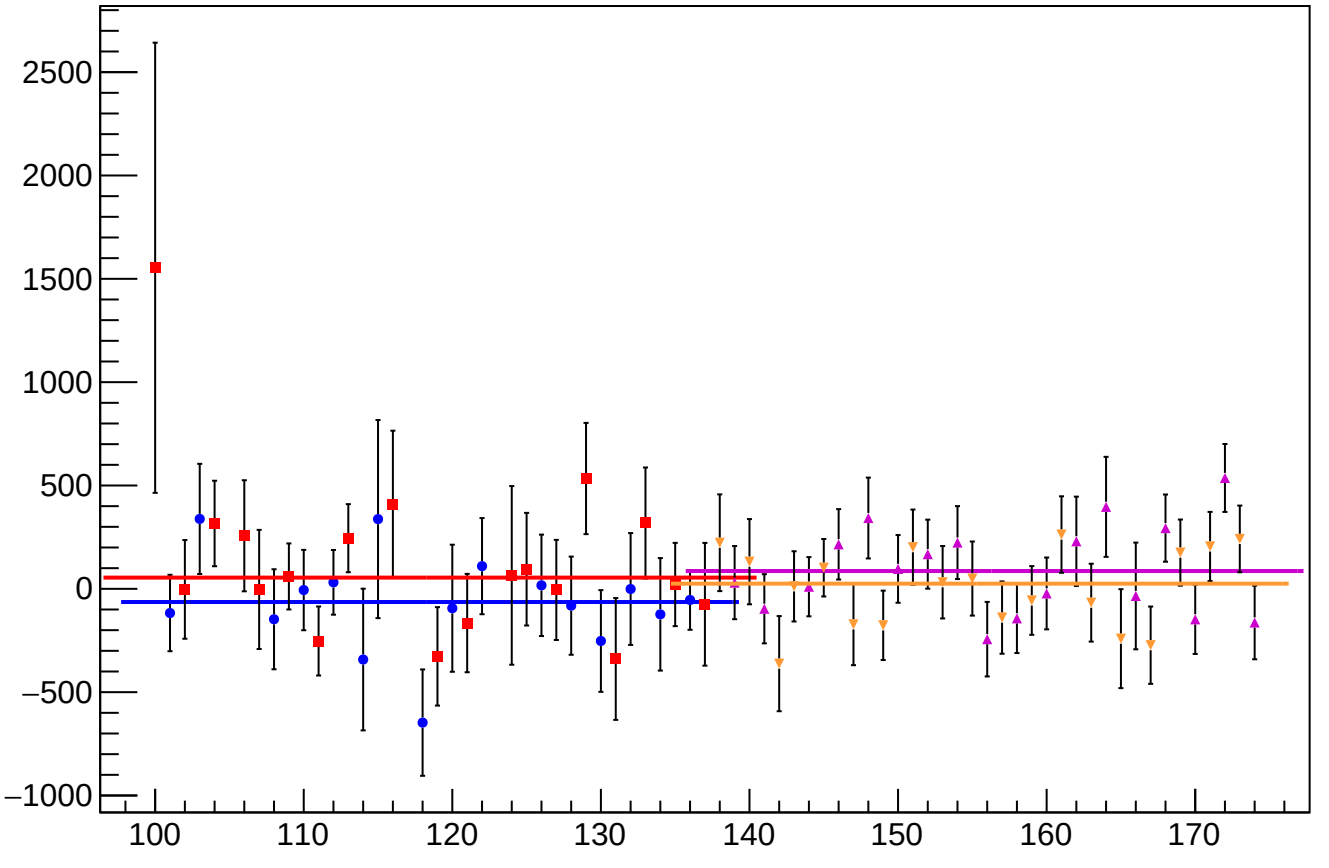
Right: 462.775+/-342.647 χ^2/NDF: 38.1/34

In: 100.689+/-247.552 χ^2/NDF:40.3/33

Out: -792.771+/-243.809 χ^2/NDF:85.7/37

All: -352.846+/-173.707 χ^2/NDF: 132.6/71


asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
110
120
130
140
150
160
170
Right In: 1285.682+/-0.355 χ²/NDF: 1170412.5/15
Left Out: 1087.862+/-0.202 χ²/NDF:815087.0/18
Right Out: 1212.276+/-0.332 χ²/NDF: 1400635.5/18
Left In: 1082.569+/-0.201 χ²/NDF:666583.4/17
Left: 1085.209+/-0.142 χ²/NDF: 1482015.4/36
Right: 1246.554+/-0.242 χ²/NDF: 2593895.7/34
In: 1132.076+/-0.175 χ²/NDF:2085179.6/33
Out: 1121.438+/-0.172 χ²/NDF:2318339.2/37
All: 1126.676+/-0.123 χ²/NDF: 4405393.7/71



Right In: -63.781+/-56.734 χ^2/NDF: 10.8/15

Left Out: 25.036+/-41.256 χ^2/NDF:18.1/18

Right Out: 54.305+/-54.743 χ^2/NDF: 19.5/18

Left In: 86.156+/-41.635 χ^2/NDF:25.6/17

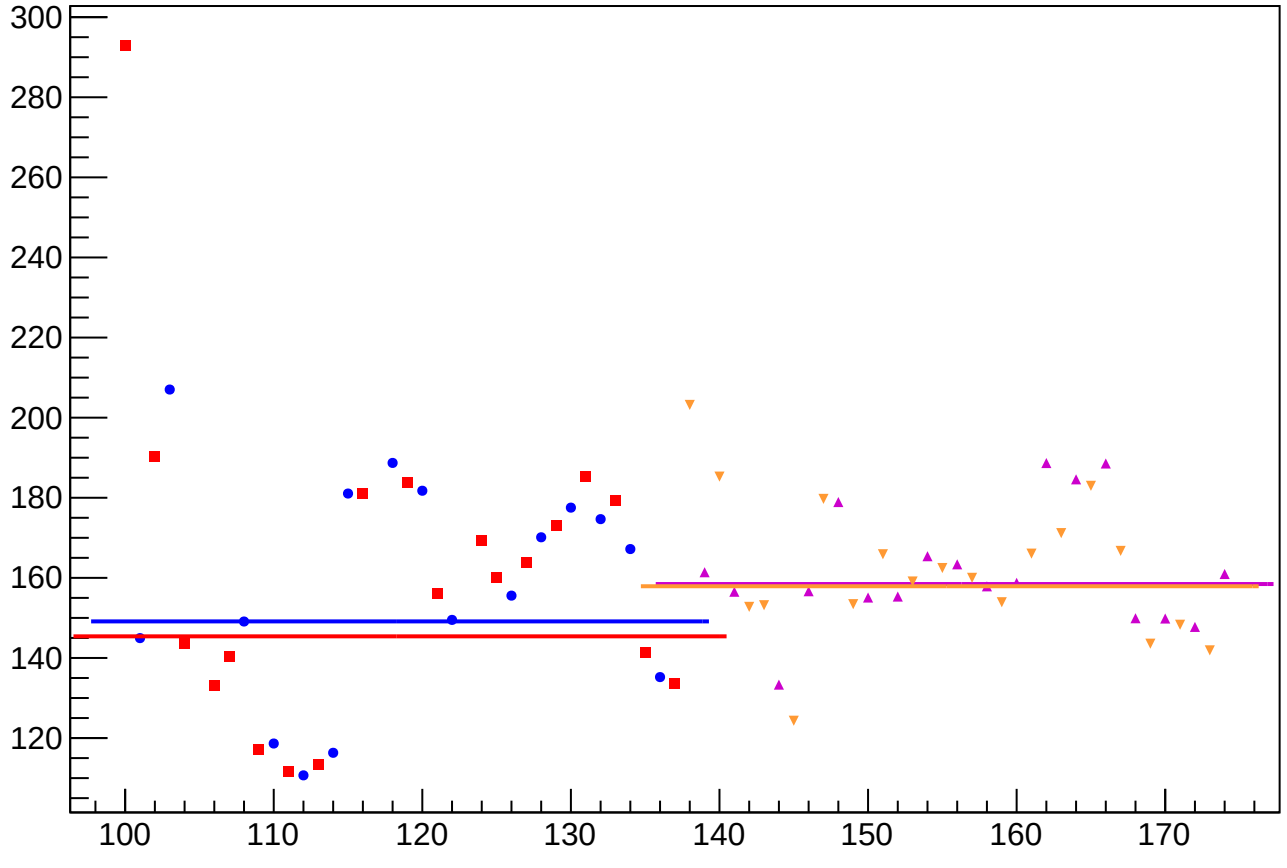
Left: 55.317+/-29.306 χ^2/NDF: 44.9/36

Right: -2.630+/-39.394 χ^2/NDF: 32.6/34

In: 33.672+/-33.566 χ^2/NDF:41.0/33

Out: 35.638+/-32.947 χ^2/NDF:37.8/37

All: 34.673+/-23.513 χ^2/NDF: 78.8/71



Right In: 149.130+/-0.040 χ^2/NDF: 451003.6/15

Left Out: 157.905+/-0.029 χ^2/NDF:344326.7/18

Right Out: 145.399+/-0.039 χ^2/NDF: 525820.0/18

Left In: 158.460+/-0.029 χ^2/NDF:199885.9/17

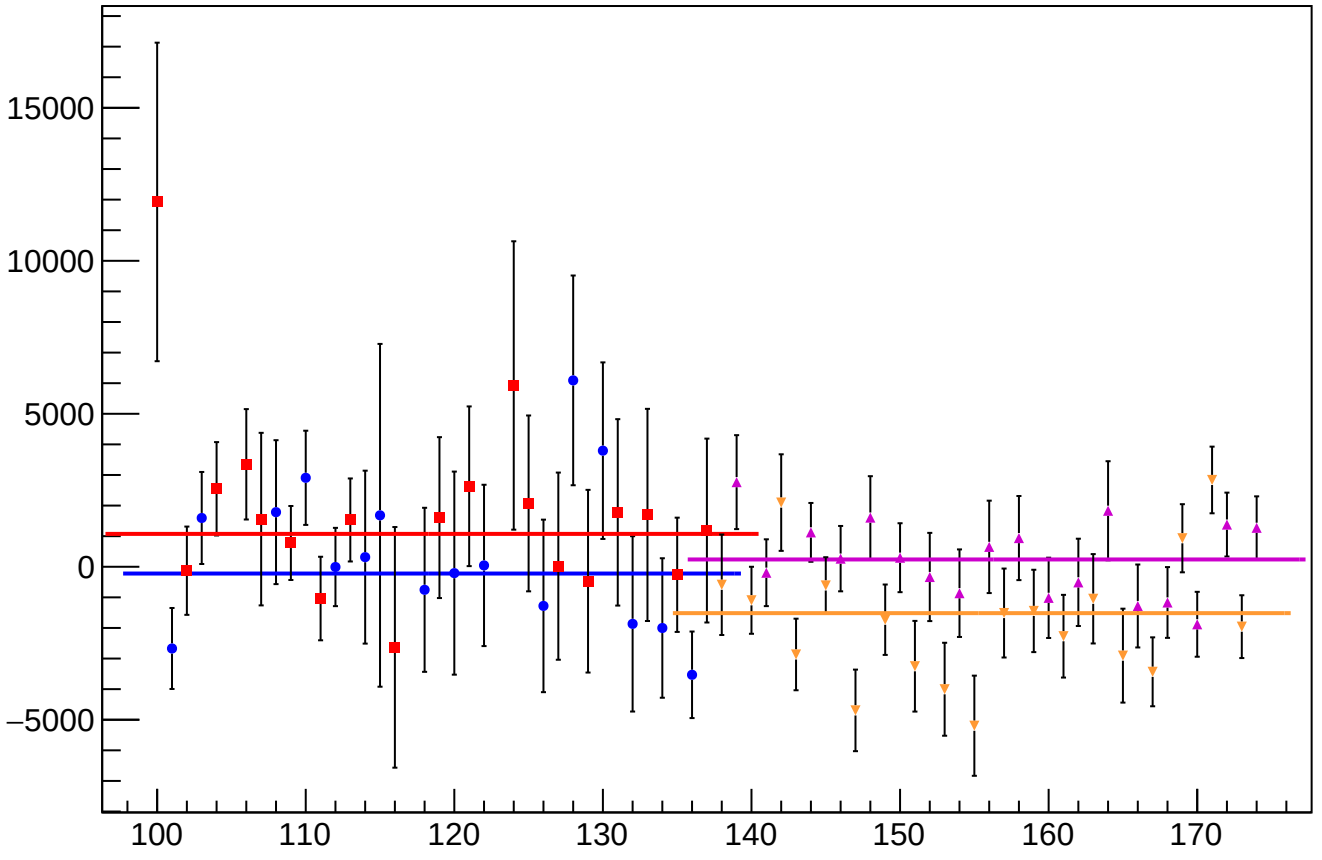
Left: 158.180+/-0.021 χ^2/NDF: 544391.7/36

Right: 147.198+/-0.028 χ^2/NDF: 981303.1/34

In: 155.194+/-0.024 χ^2/NDF:686040.5/33

Out: 153.375+/-0.023 χ^2/NDF:936715.3/37

All: 154.268+/-0.017 χ^2/NDF: 1625747.1/71



Right In: -221.240+/-506.202 χ^2/NDF: 21.9/15

Left Out: -1515.759+/-289.346 χ^2/NDF:48.0/18

Right Out: 1074.433+/-472.816 χ^2/NDF: 13.6/18

Left In: 238.698+/-288.761 χ^2/NDF:16.9/17

Left: -636.757+/-204.391 χ^2/NDF: 83.3/36

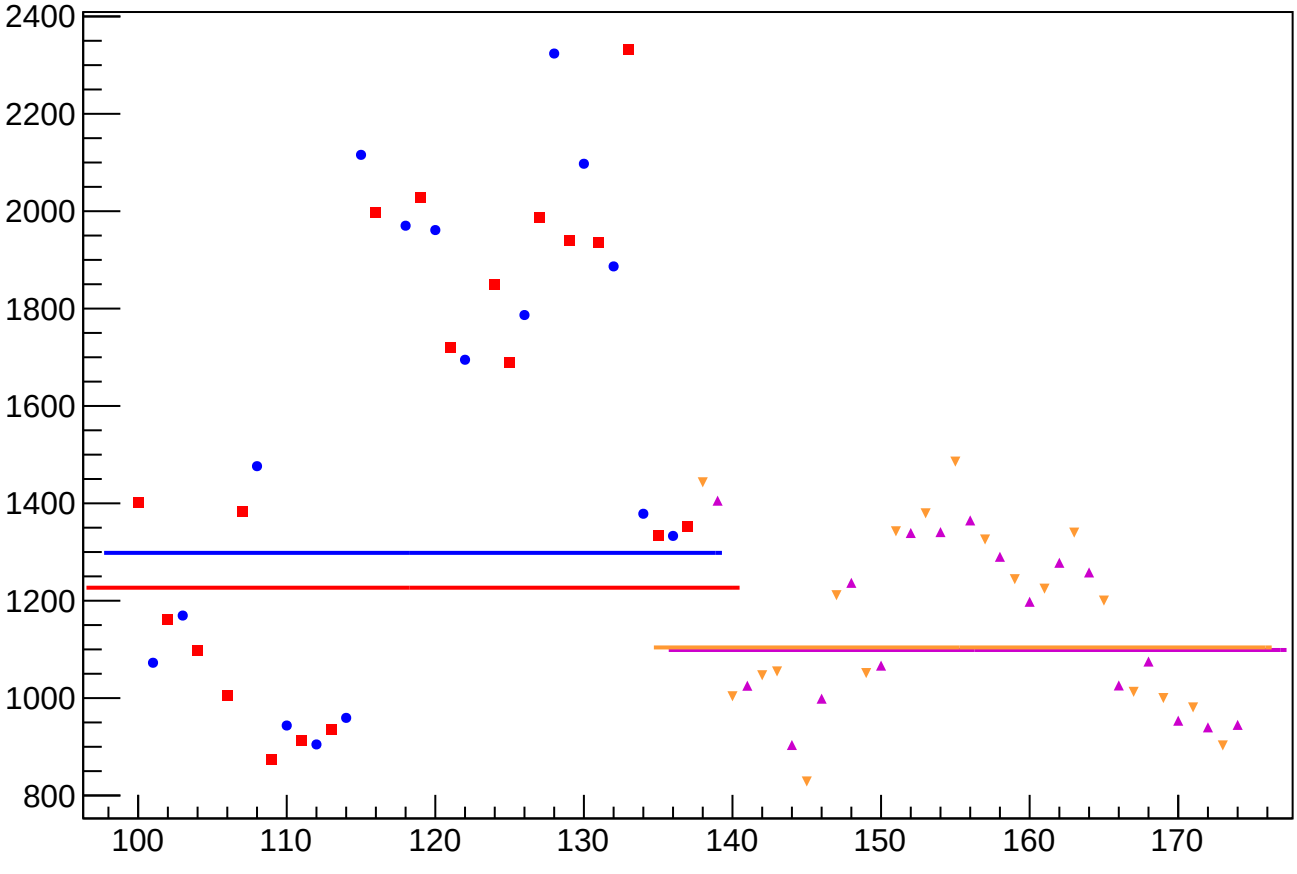
Right: 470.729+/-345.532 χ^2/NDF: 39.0/34

In: 125.775+/-250.821 χ^2/NDF:39.4/33

Out: -810.031+/-246.800 χ^2/NDF:83.4/37

All: -349.689+/-175.918 χ^2/NDF: 129.9/71

asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1298.293+/-0.358 χ^2/NDF: 1182123.0/15

Left Out: 1104.029+/-0.205 χ^2/NDF:806891.1/18

Right Out: 1226.729+/-0.334 χ^2/NDF: 1404521.7/18

Left In: 1098.831+/-0.204 χ^2/NDF:622483.7/17

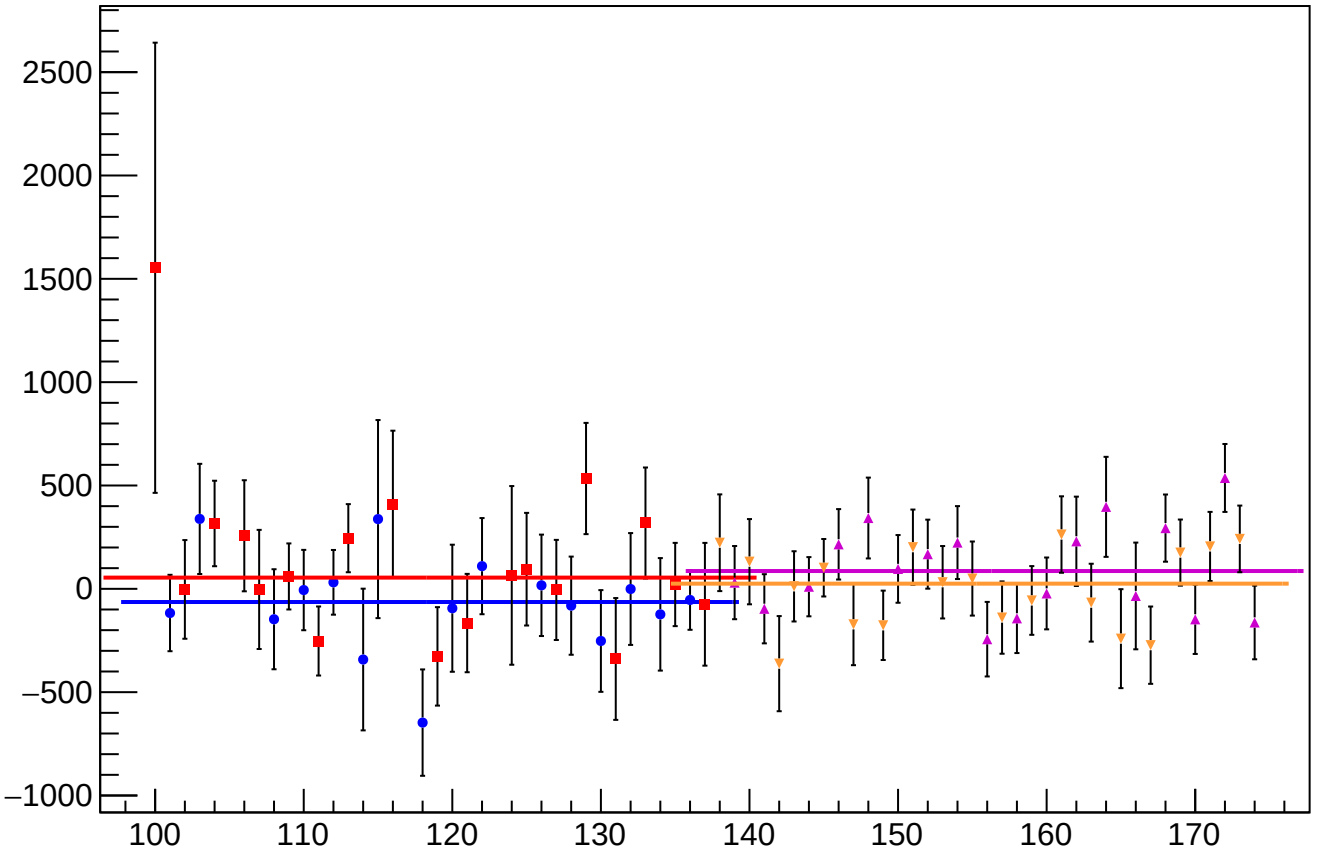
Left: 1101.425+/-0.145 χ^2/NDF: 1429698.2/36

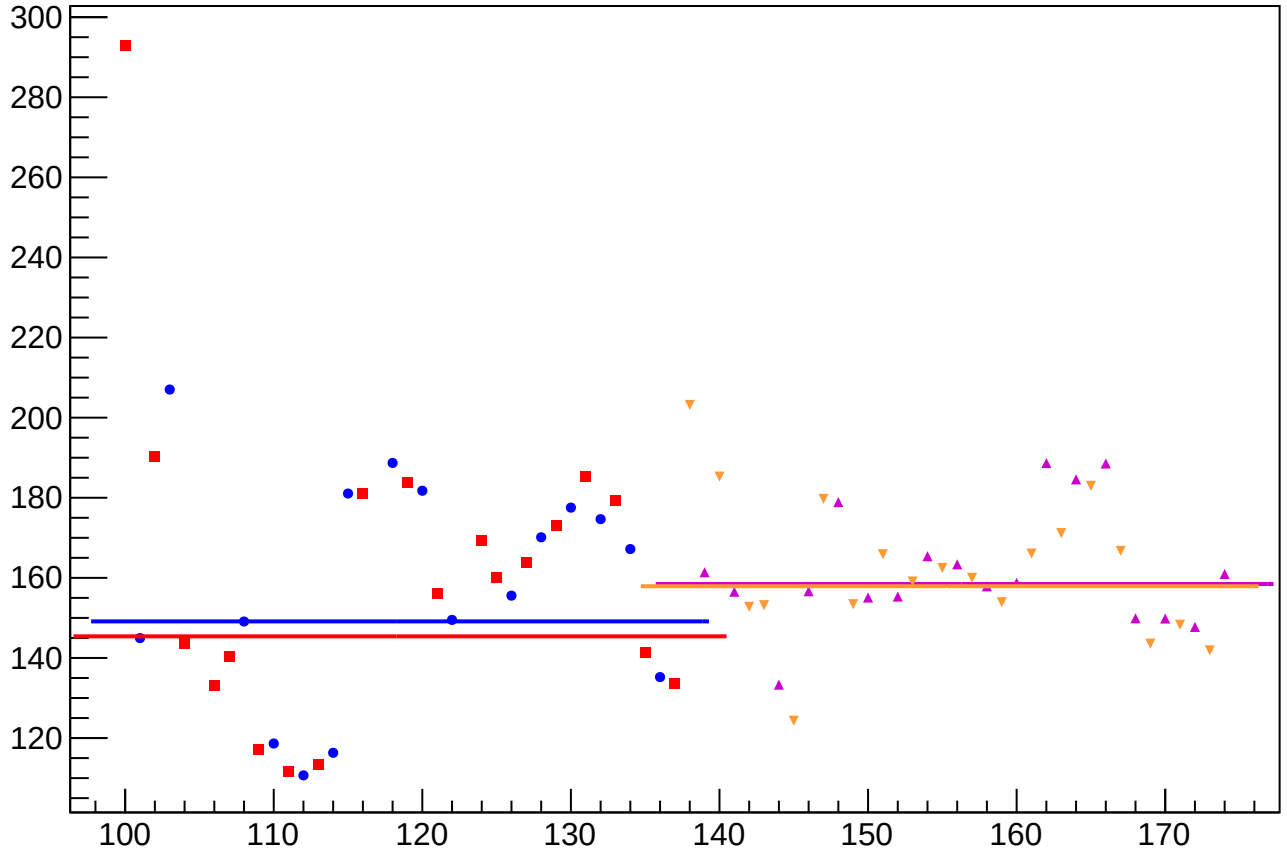
Right: 1260.073+/-0.244 χ^2/NDF: 2607993.3/34

In: 1147.802+/-0.177 χ^2/NDF:2038896.7/33

Out: 1137.460+/-0.175 χ^2/NDF:2309403.1/37

All: 1142.548+/-0.124 χ^2/NDF: 4350027.4/71


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Right In: -63.778+/-56.734 χ²/NDF: 10.8/15
Left Out: 25.038+/-41.256 χ²/NDF:18.1/18
Right Out: 54.304+/-54.743 χ²/NDF: 19.5/18
Left In: 86.156+/-41.635 χ²/NDF:25.6/17
Left: 55.318+/-29.306 χ²/NDF: 44.9/36
Right: -2.629+/-39.394 χ²/NDF: 32.6/34
In: 33.672+/-33.566 χ²/NDF:41.0/33
Out: 35.639+/-32.947 χ²/NDF:37.8/37
All: 34.674+/-23.513 χ²/NDF: 78.8/71



Right In: 149.130+/-0.040 χ^2/NDF: 451005.1/15

Left Out: 157.905+/-0.029 χ^2/NDF:344322.0/18

Right Out: 145.399+/-0.039 χ^2/NDF: 525822.2/18

Left In: 158.460+/-0.029 χ^2/NDF:199884.6/17

Left: 158.180+/-0.021 χ^2/NDF: 544385.7/36

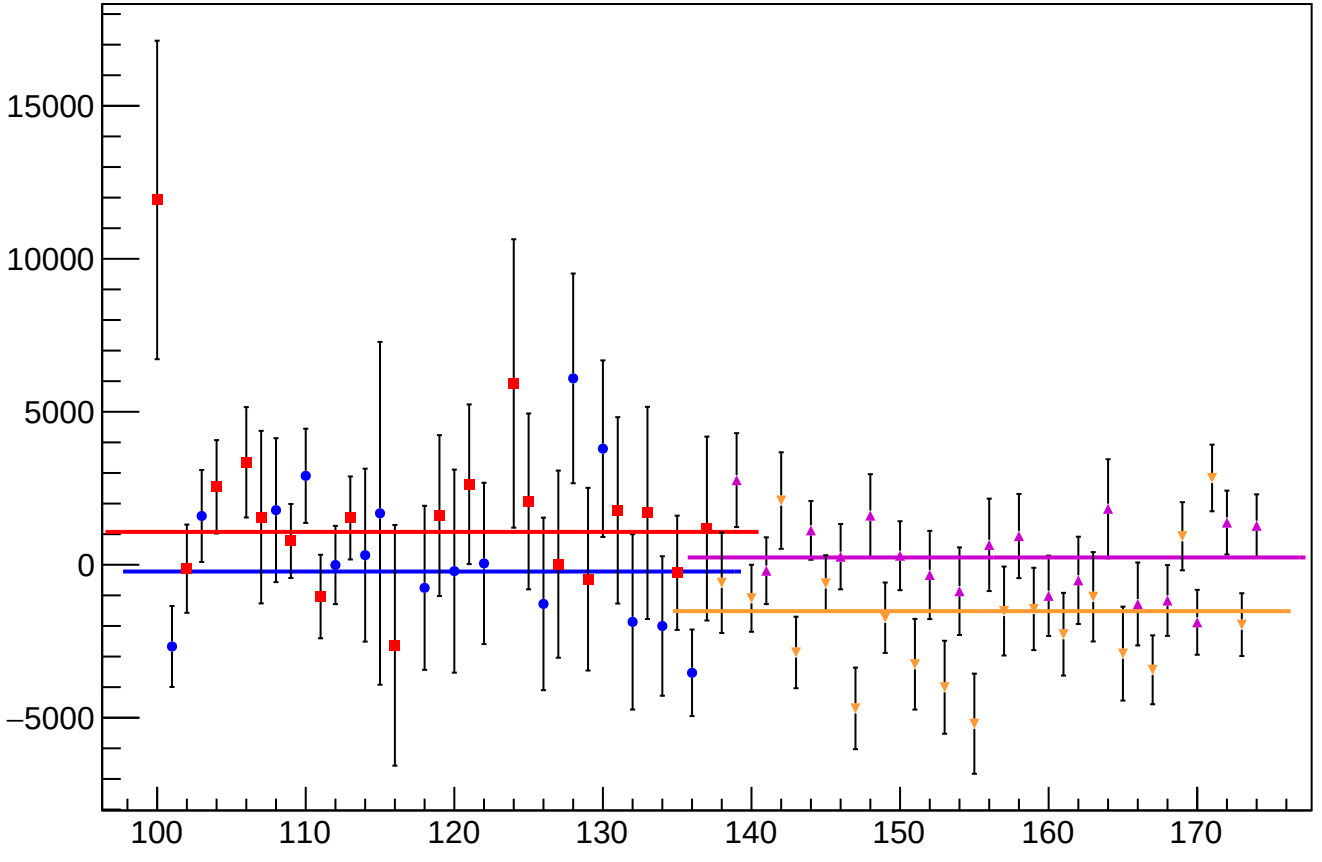
Right: 147.198+/-0.028 χ^2/NDF: 981307.0/34

In: 155.194+/-0.024 χ^2/NDF:686042.9/33

Out: 153.375+/-0.023 χ^2/NDF:936716.7/37

All: 154.268+/-0.017 χ^2/NDF: 1625750.9/71

asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -221.239+/-506.201 χ^2/NDF: 21.9/15

Left Out: -1515.756+/-289.345 χ^2/NDF:48.0/18

Right Out: 1074.432+/-472.816 χ^2/NDF: 13.6/18

Left In: 238.696+/-288.761 χ^2/NDF:16.9/17

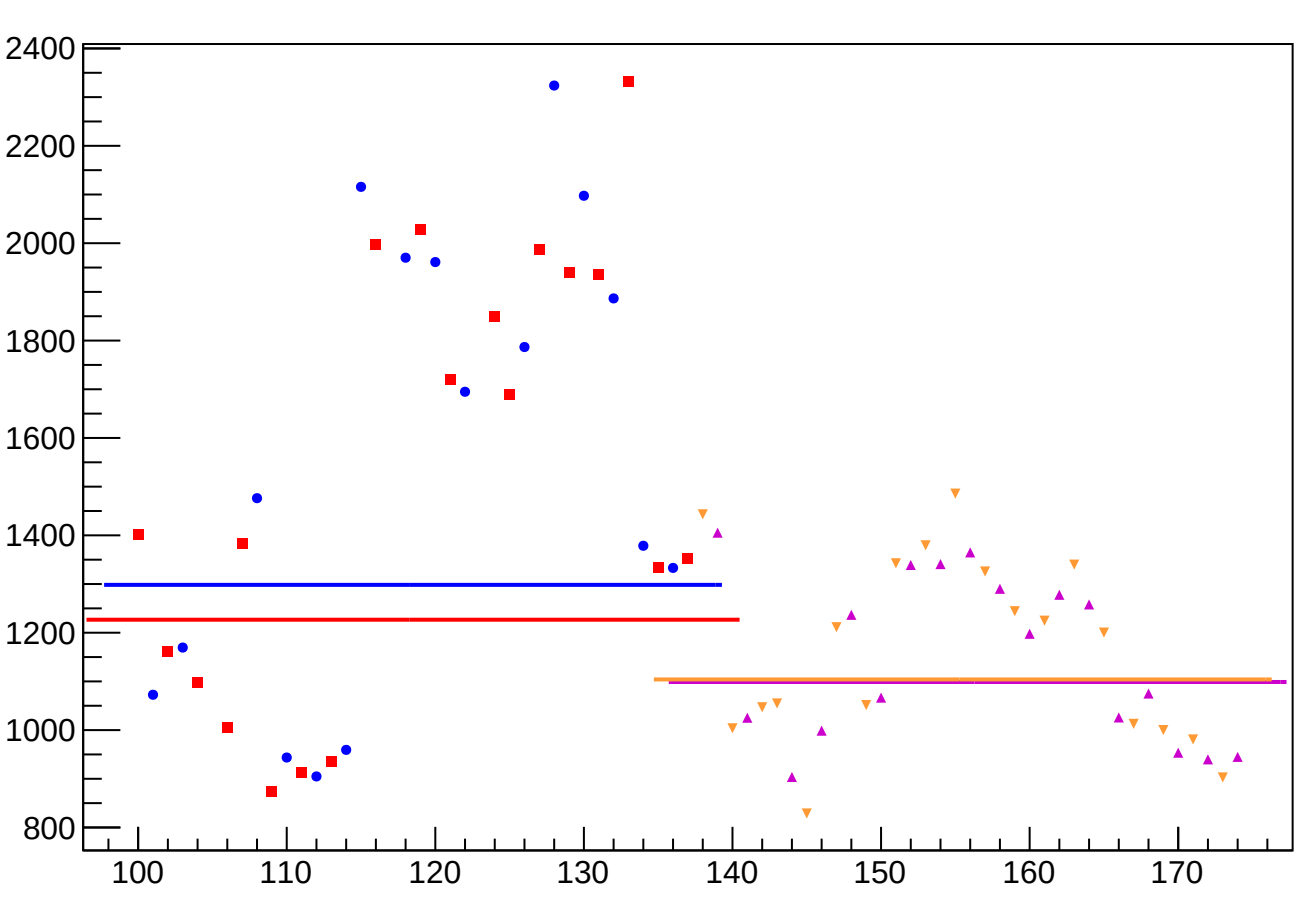
Left: -636.756+/-204.391 χ^2/NDF: 83.3/36

Right: 470.728+/-345.531 χ^2/NDF: 39.0/34

In: 125.774+/-250.821 χ^2/NDF:39.4/33

Out: -810.030+/-246.800 χ^2/NDF:83.4/37

All: -349.689+/-175.918 χ^2/NDF: 129.9/71



Right In: 1298.292+/-0.358 χ^2/NDF: 1182127.2/15

Left Out: 1104.028+/-0.205 χ^2/NDF:806894.7/18

Right Out: 1226.727+/-0.334 χ^2/NDF: 1404524.7/18

Left In: 1098.829+/-0.204 χ^2/NDF:622485.0/17

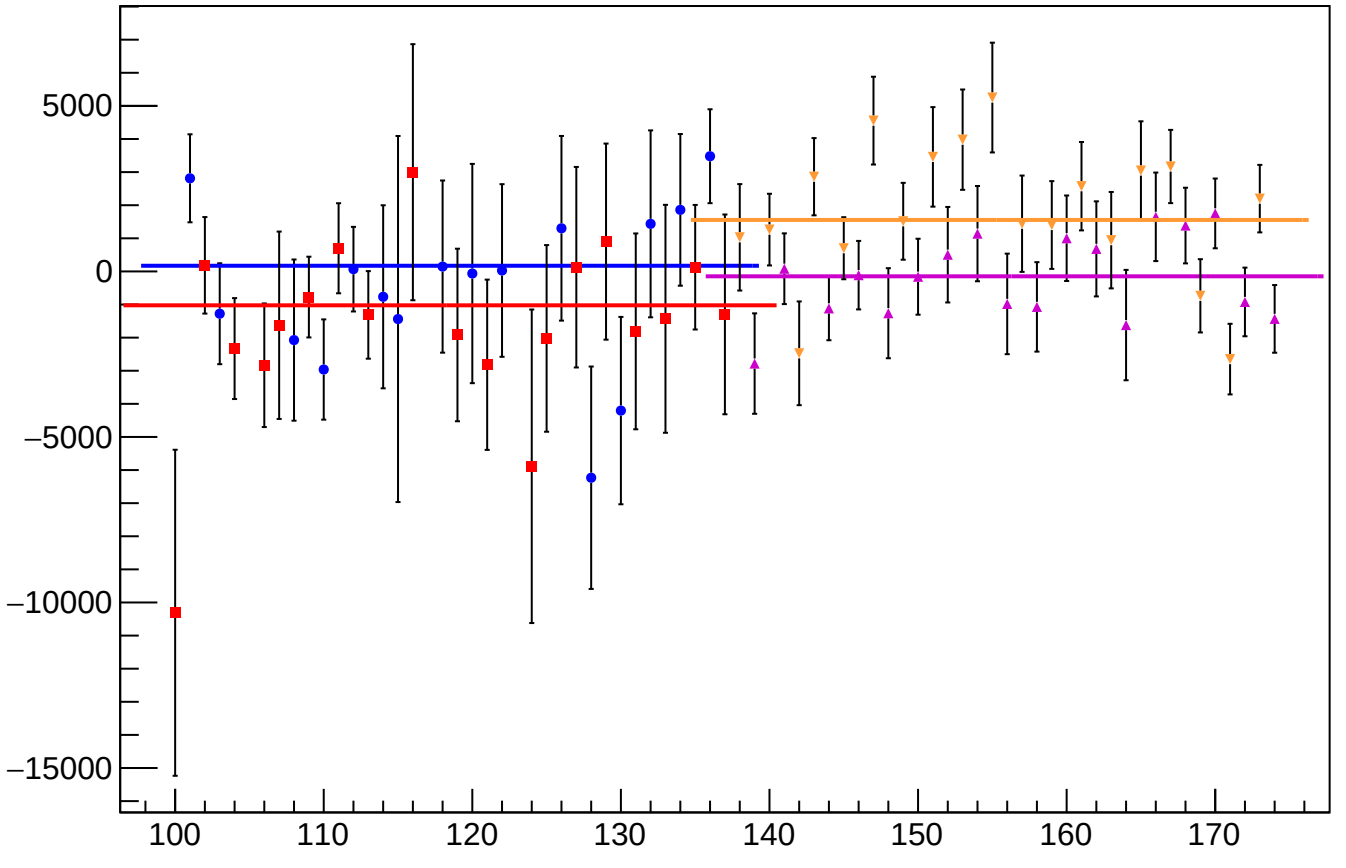
Left: 1101.423+/-0.145 χ^2/NDF: 1429703.1/36

Right: 1260.072+/-0.244 χ^2/NDF: 2608000.5/34

In: 1147.801+/-0.177 χ^2/NDF:2038903.4/33

Out: 1137.459+/-0.175 χ^2/NDF:2309410.3/37

All: 1142.546+/-0.124 χ^2/NDF: 4350041.2/71



Right In: 171.056+/-505.136 χ^2/NDF: 22.6/15

Left Out: 1555.130+/-287.756 χ^2/NDF:47.3/18

Right Out: -1023.699+/-472.008 χ^2/NDF: 11.6/18

Left In: -147.586+/-287.136 χ^2/NDF:17.4/17

Left: 701.937+/-203.255 χ^2/NDF: 82.3/36

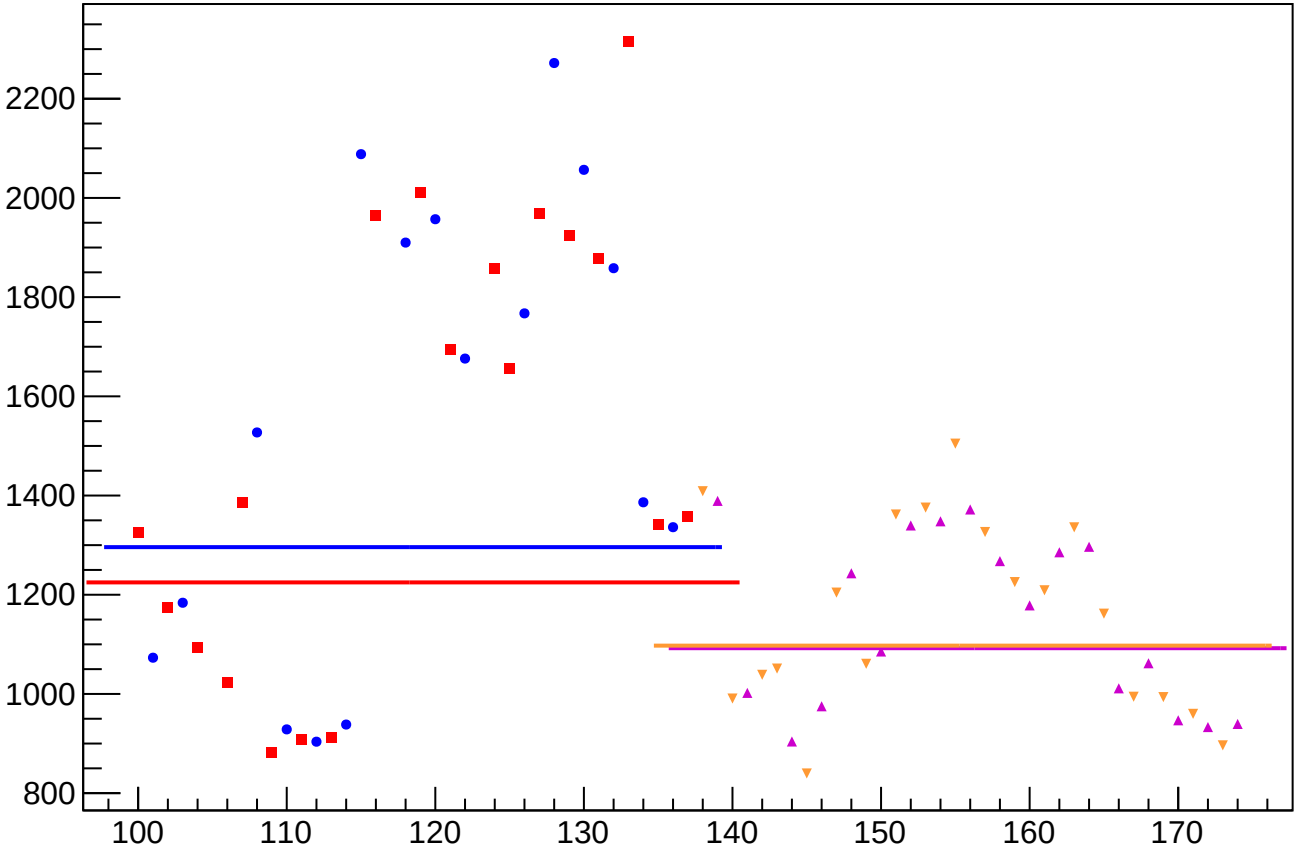
Right: -466.780+/-344.877 χ^2/NDF: 37.1/34

In: -69.771+/-249.625 χ^2/NDF:40.3/33

Out: 856.377+/-245.697 χ^2/NDF:80.6/37

All: 400.648+/-175.106 χ^2/NDF: 127.9/71

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1295.987+/-0.357 χ^2/NDF: 1154185.9/15

Left Out: 1097.393+/-0.203 χ^2/NDF:802307.8/18

Right Out: 1224.872+/-0.334 χ^2/NDF: 1371285.2/18

Left In: 1092.224+/-0.203 χ^2/NDF:655065.2/17

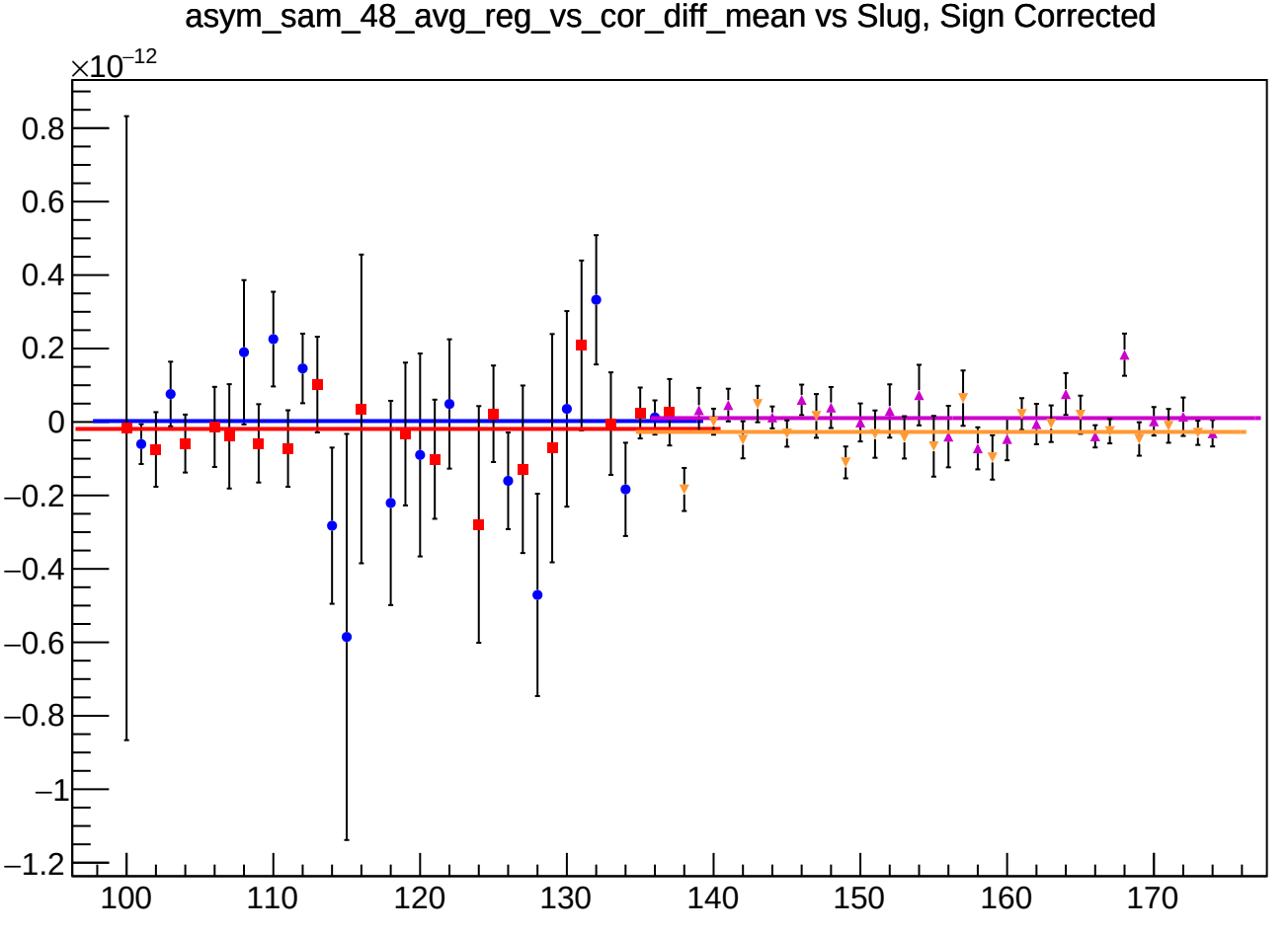
Left: 1094.803+/-0.144 χ^2/NDF: 1457696.5/36

Right: 1258.021+/-0.244 χ^2/NDF: 2546633.6/34

In: 1141.984+/-0.177 χ^2/NDF:2055212.8/33

Out: 1131.935+/-0.174 χ^2/NDF:2279947.9/37

All: 1136.880+/-0.124 χ^2/NDF: 4336807.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 22.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 4.7/18

Left In: 0.000+/-0.000 χ^2/NDF:21.0/17

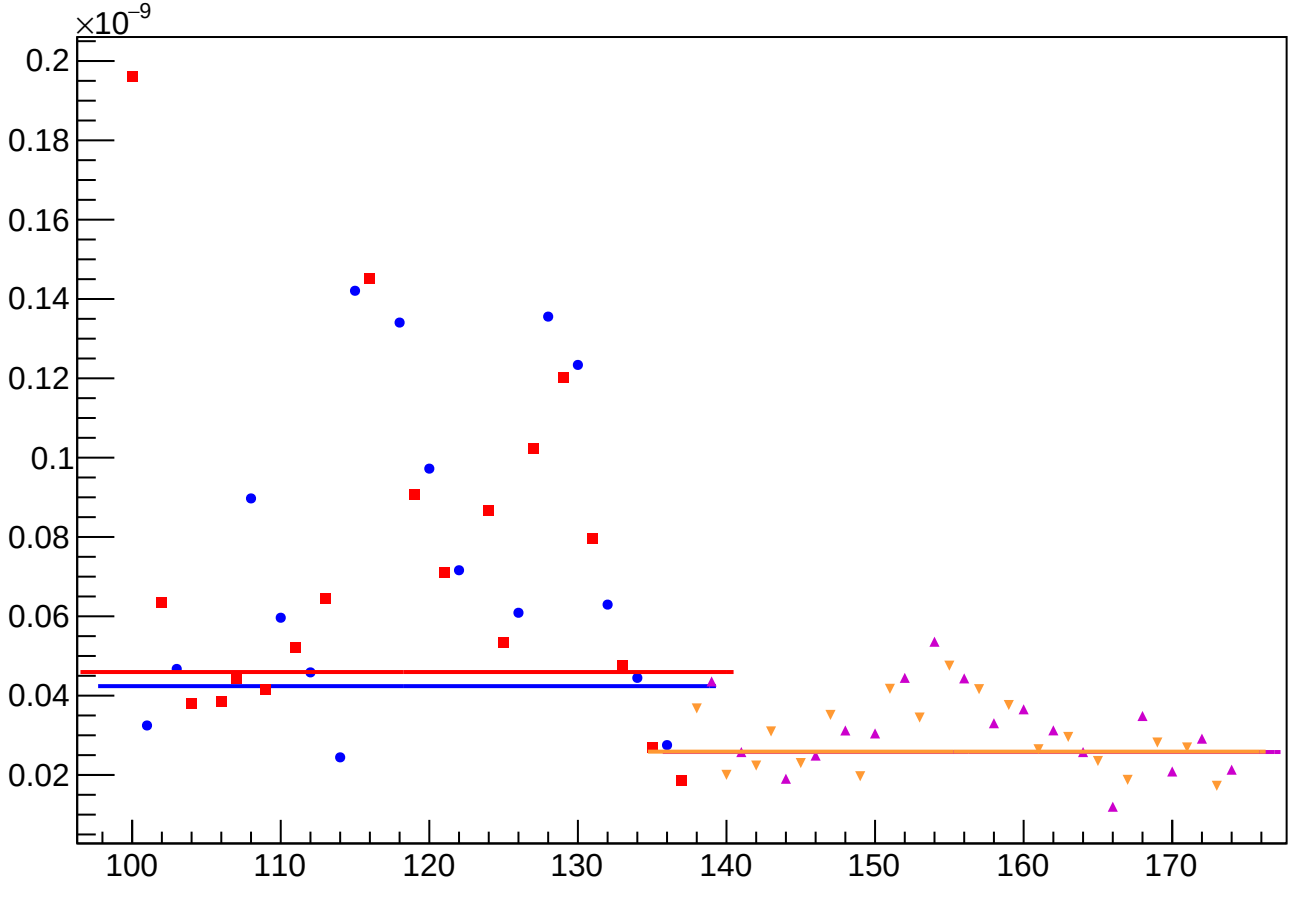
Left: -0.000+/-0.000 χ^2/NDF: 47.2/36

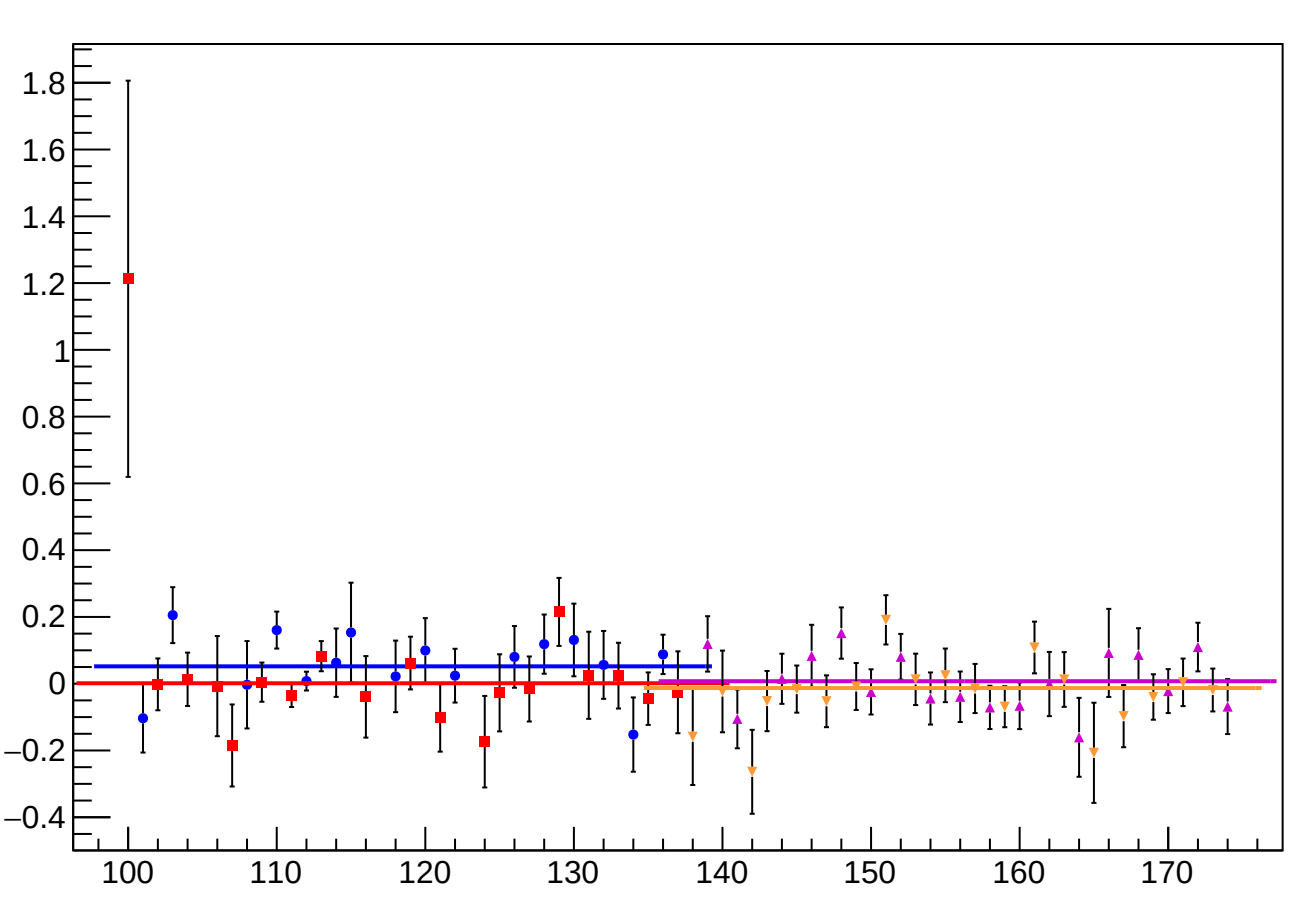
Right: -0.000+/-0.000 χ^2/NDF: 27.2/34

In: 0.000+/-0.000 χ^2/NDF:43.3/33

Out: -0.000+/-0.000 χ^2/NDF:25.0/37

All: -0.000+/-0.000 χ^2/NDF: 74.4/71


asym_sam_48_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1341259.3/15
Left Out: 0.000+/-0.000 χ²/NDF:972375.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 1118551.4/18
Left In: 0.000+/-0.000 χ²/NDF:1424571.2/17
Left: 0.000+/-0.000 χ²/NDF: 2397024.4/36
Right: 0.000+/-0.000 χ²/NDF: 2476096.3/34
In: 0.000+/-0.000 χ²/NDF:3420041.5/33
Out: 0.000+/-0.000 χ²/NDF:2939976.9/37
All: 0.000+/-0.000 χ²/NDF: 6360095.3/71



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.019 χ^2/NDF:18.8/17

Left: -0.003+/-0.013 χ^2/NDF: 39.0/36

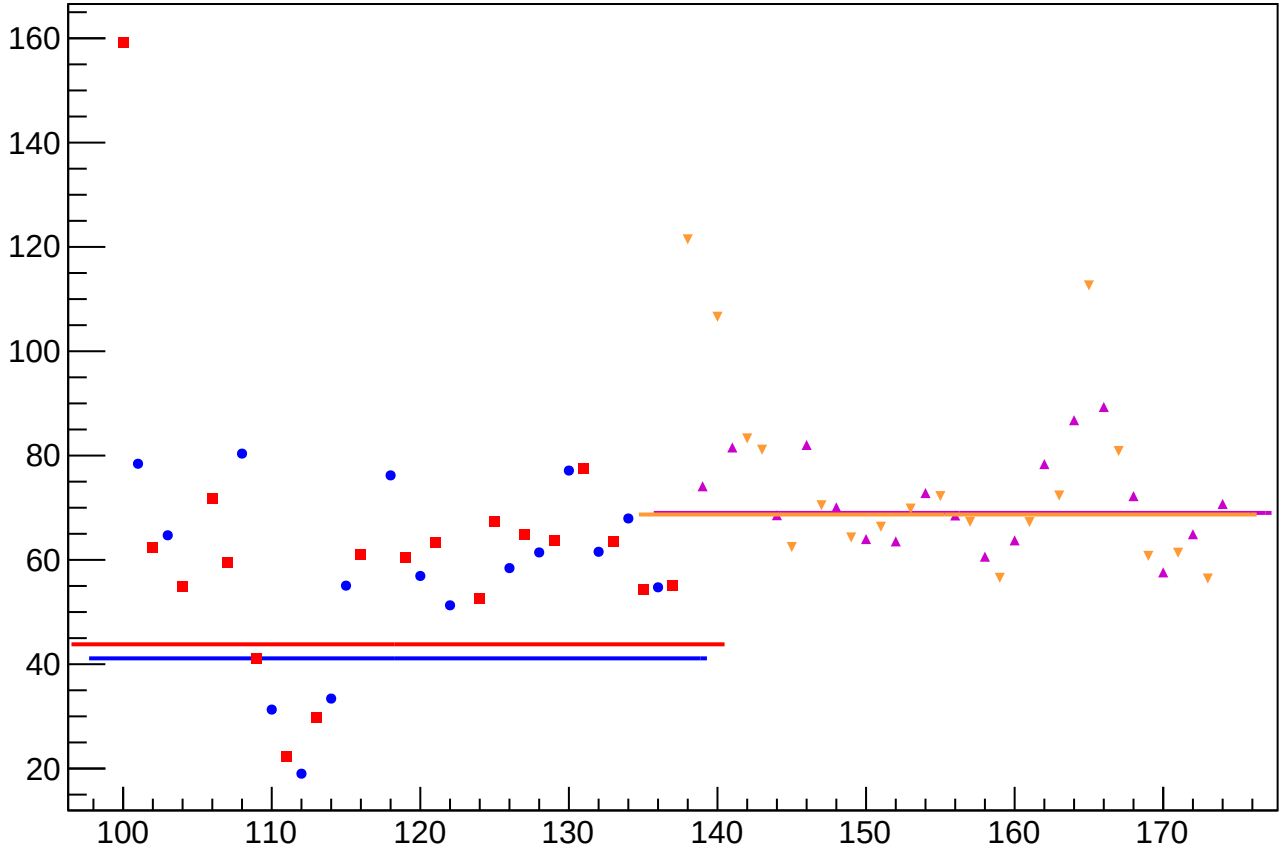
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:39.8/33

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.013+/-0.009 χ^2/NDF: 82.9/71

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 68.701+/-0.013 χ^2/NDF:964163.8/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

Left: 68.851+/-0.009 χ^2/NDF: 1307513.6/36

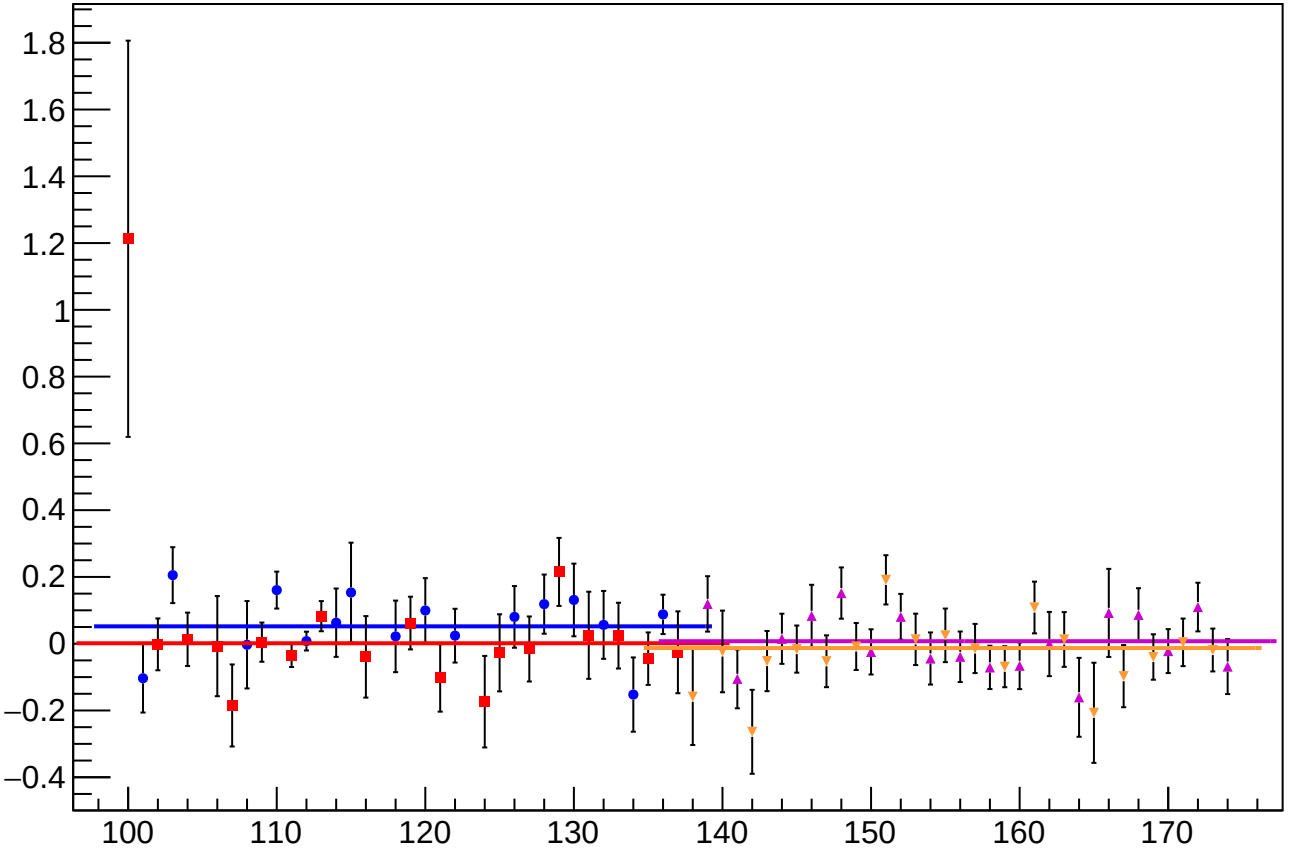
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.471+/-0.009 χ^2/NDF:5625738.9/33

Out: 55.942+/-0.009 χ^2/NDF:4890940.8/37

All: 55.206+/-0.006 χ^2/NDF: 10529814.8/71

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.019 χ^2/NDF:18.8/17

Left: -0.003+/-0.013 χ^2/NDF: 39.0/36

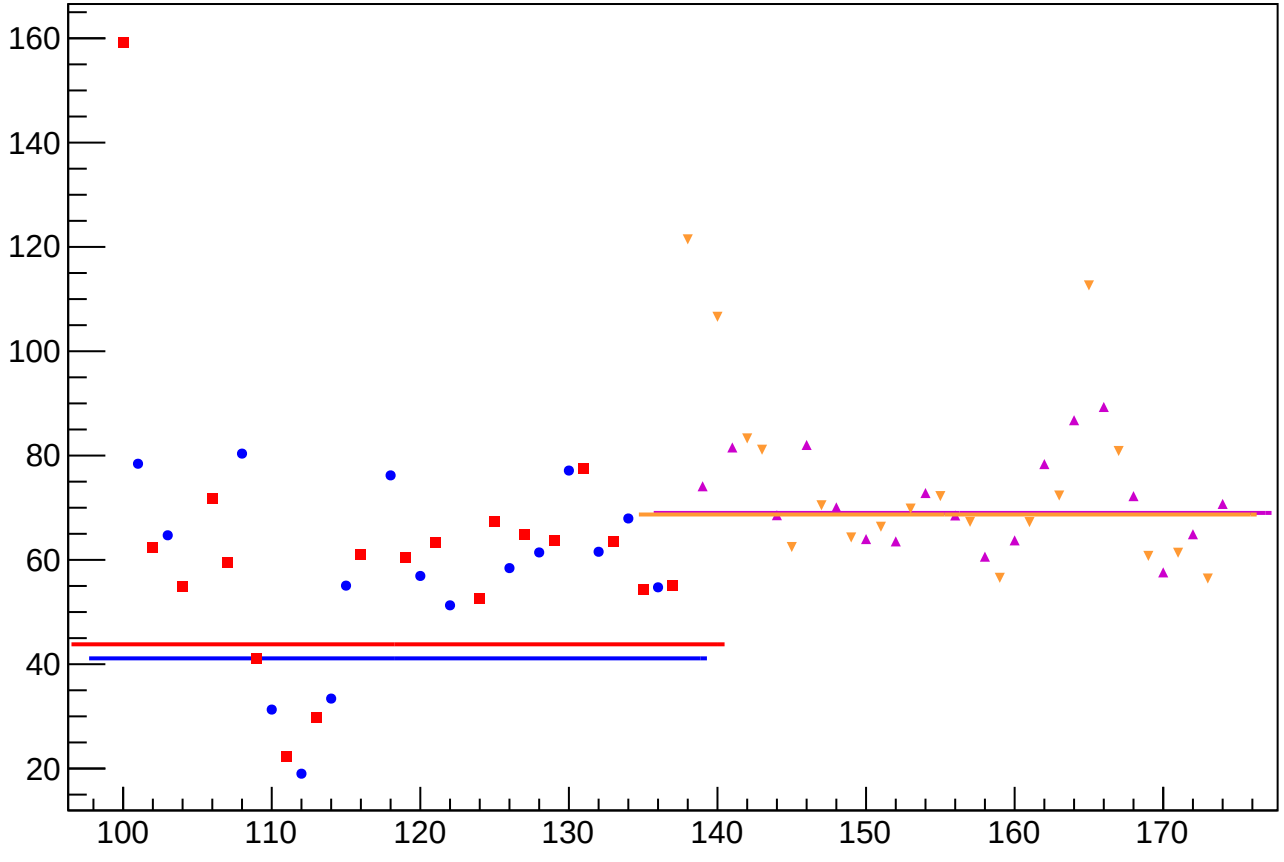
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:39.8/33

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.013+/-0.009 χ^2/NDF: 82.9/71

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.120+/-0.013 χ^2/NDF: 2925302.3/15

Left Out: 68.701+/-0.013 χ^2/NDF:964163.8/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048452.0/18

Left In: 69.004+/-0.013 χ^2/NDF:343079.2/17

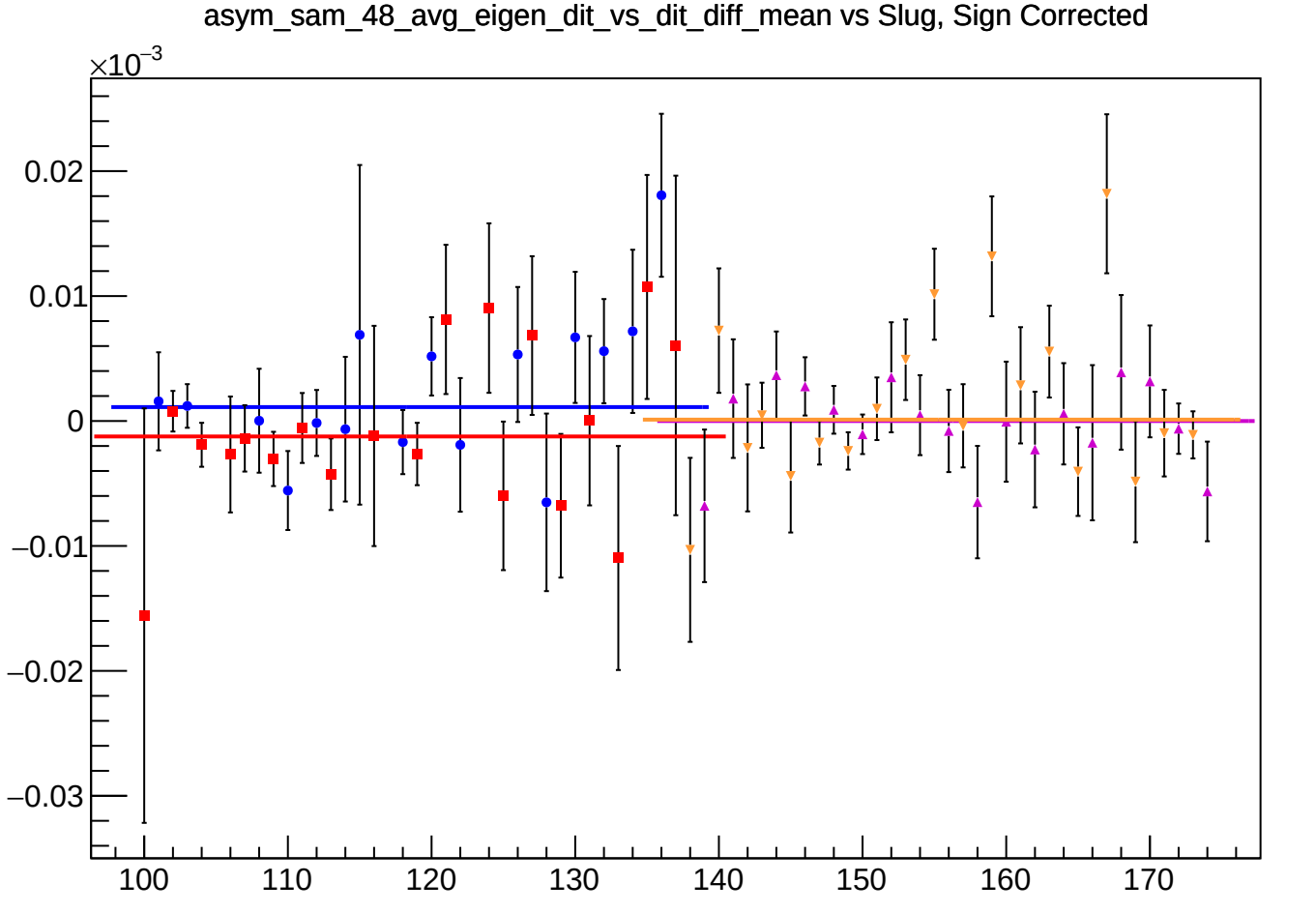
Left: 68.851+/-0.009 χ^2/NDF: 1307513.6/36

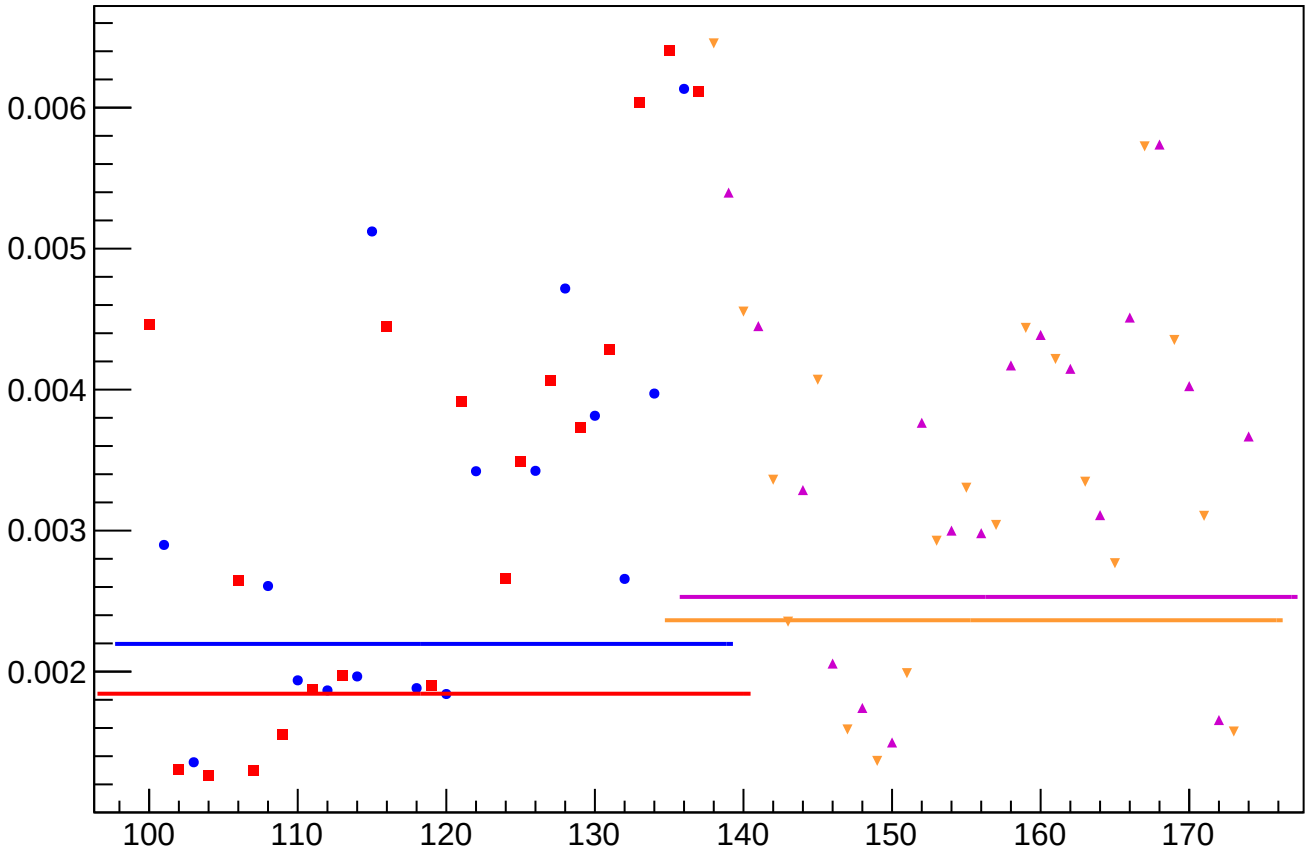
Right: 42.455+/-0.009 χ^2/NDF: 4996519.9/34

In: 54.471+/-0.009 χ^2/NDF:5625738.9/33

Out: 55.942+/-0.009 χ^2/NDF:4890940.8/37

All: 55.206+/-0.006 χ^2/NDF: 10529814.8/71


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 19.9/15
Left Out: 0.000+/-0.000 χ²/NDF:40.1/18
Right Out: -0.000+/-0.000 χ²/NDF: 15.9/18
Left In: -0.000+/-0.000 χ²/NDF:10.7/17
Left: 0.000+/-0.000 χ²/NDF: 50.8/36
Right: -0.000+/-0.000 χ²/NDF: 39.8/34
In: 0.000+/-0.000 χ²/NDF:31.5/33
Out: -0.000+/-0.000 χ²/NDF:57.8/37
All: -0.000+/-0.000 χ²/NDF: 90.7/71



Right In: 0.002+/-0.000 χ^2/NDF: 2292909.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:5162100.4/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3137598.0/18

Left In: 0.003+/-0.000 χ^2/NDF:4726666.2/17

Left: 0.002+/-0.000 χ^2/NDF: 9943606.5/36

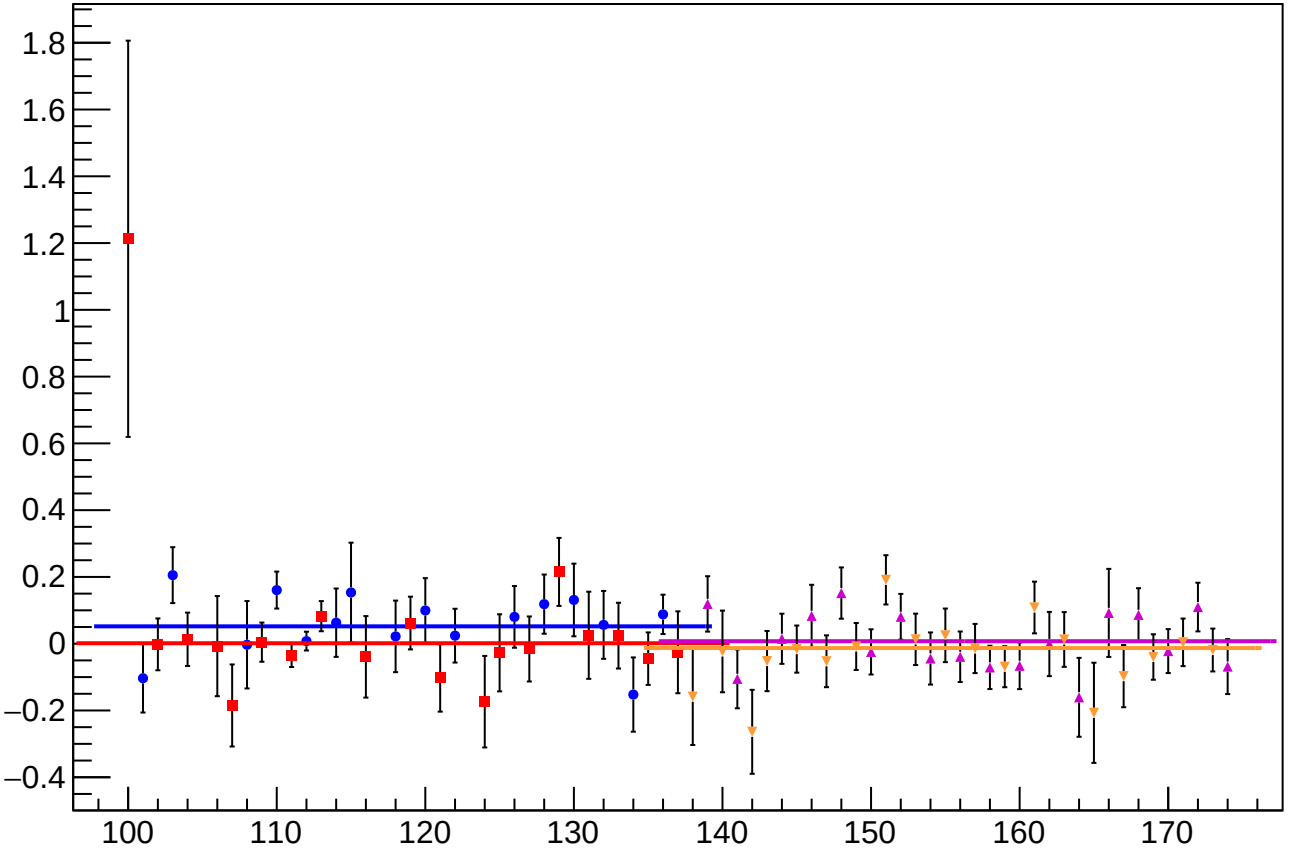
Right: 0.002+/-0.000 χ^2/NDF: 5607793.8/34

In: 0.002+/-0.000 χ^2/NDF:7182786.4/33

Out: 0.002+/-0.000 χ^2/NDF:8818677.3/37

All: 0.002+/-0.000 χ^2/NDF: 16241240.9/71

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: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.019 χ^2/NDF:18.8/17

Left: -0.003+/-0.013 χ^2/NDF: 39.0/36

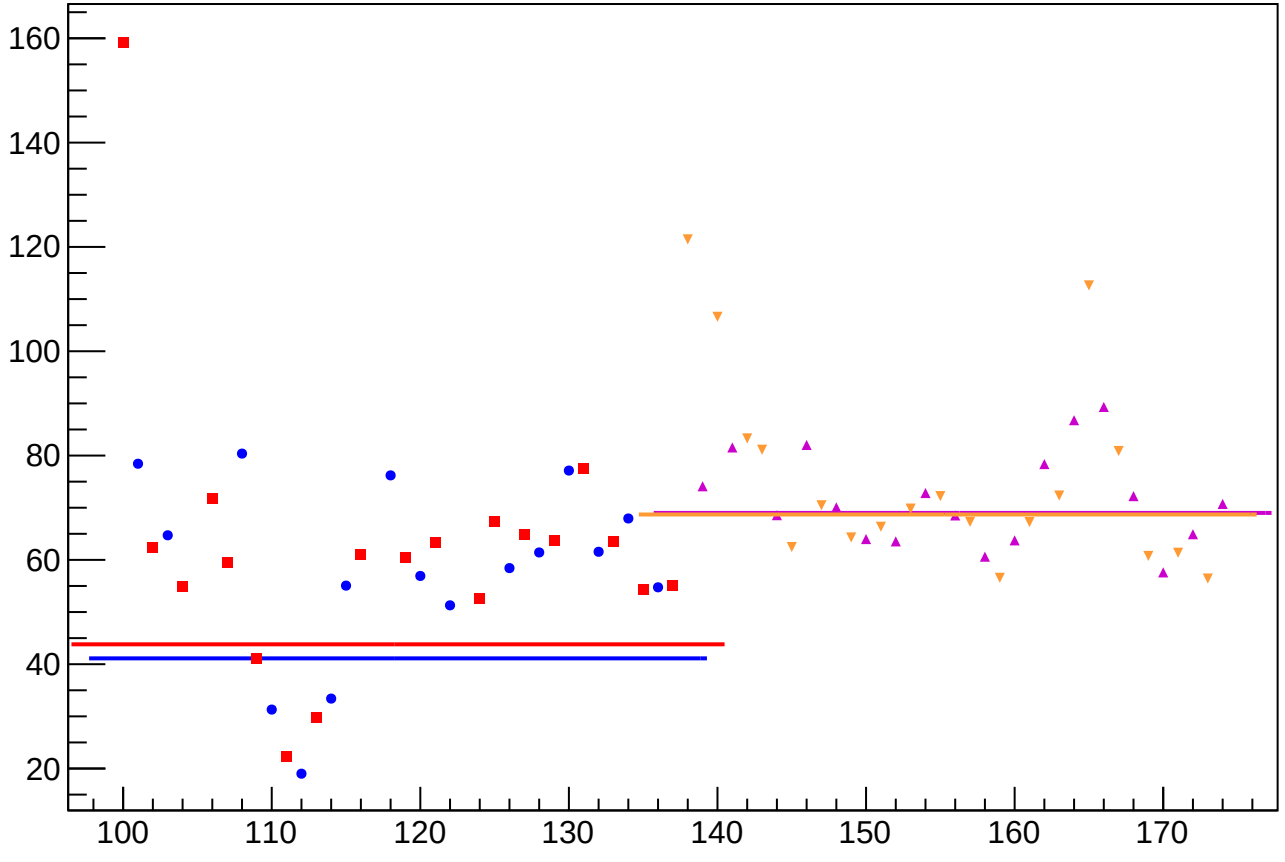
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:39.8/33

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.013+/-0.009 χ^2/NDF: 82.9/71

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 68.701+/-0.013 χ^2/NDF:964143.5/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

Left: 68.852+/-0.009 χ^2/NDF: 1307490.7/36

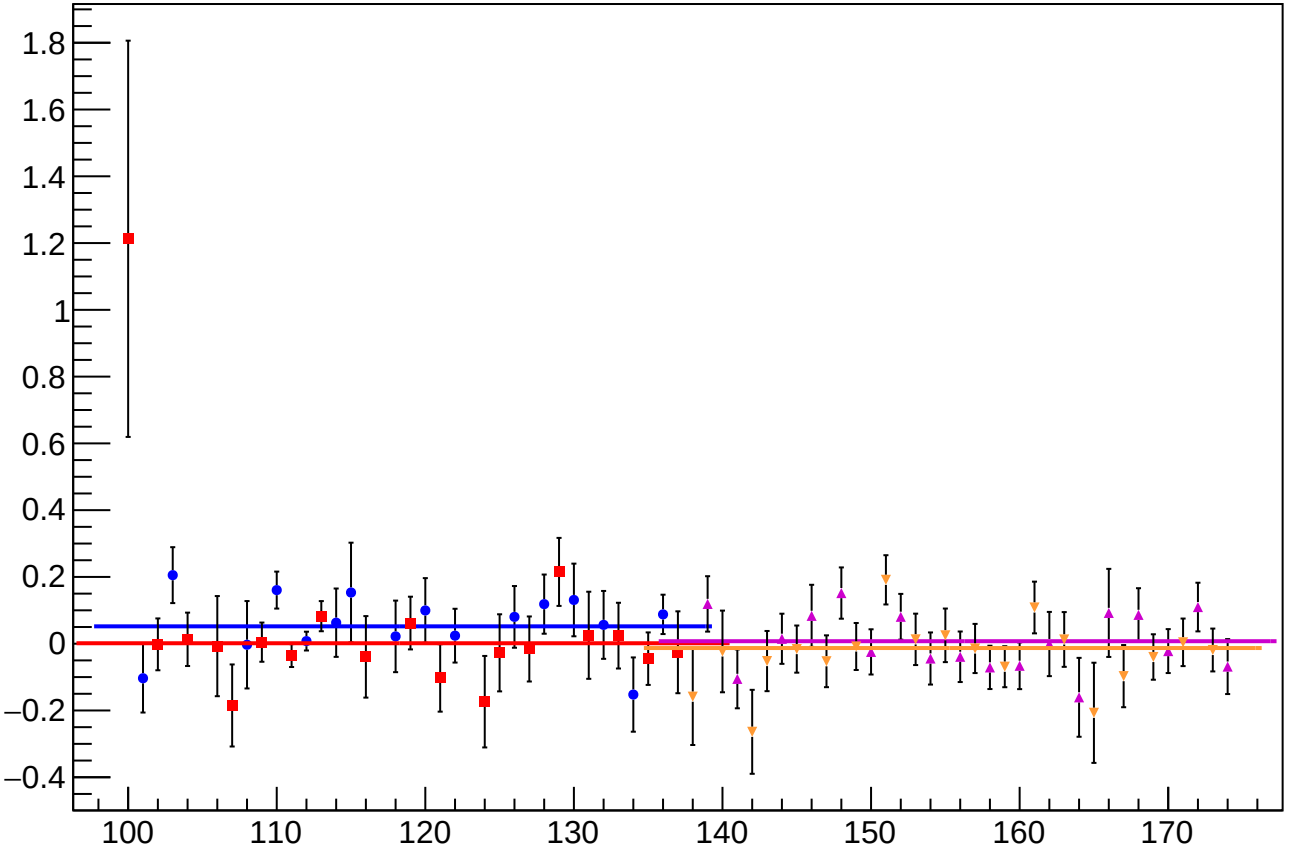
Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.471+/-0.009 χ^2/NDF:5626165.9/33

Out: 55.941+/-0.009 χ^2/NDF:4891333.0/37

All: 55.206+/-0.006 χ^2/NDF: 10530635.7/71

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.052+/-0.018 χ^2/NDF: 18.0/15

Left Out: -0.013+/-0.018 χ^2/NDF:19.6/18

Right Out: 0.001+/-0.018 χ^2/NDF: 19.2/18

Left In: 0.007+/-0.019 χ^2/NDF:18.8/17

Left: -0.003+/-0.013 χ^2/NDF: 39.0/36

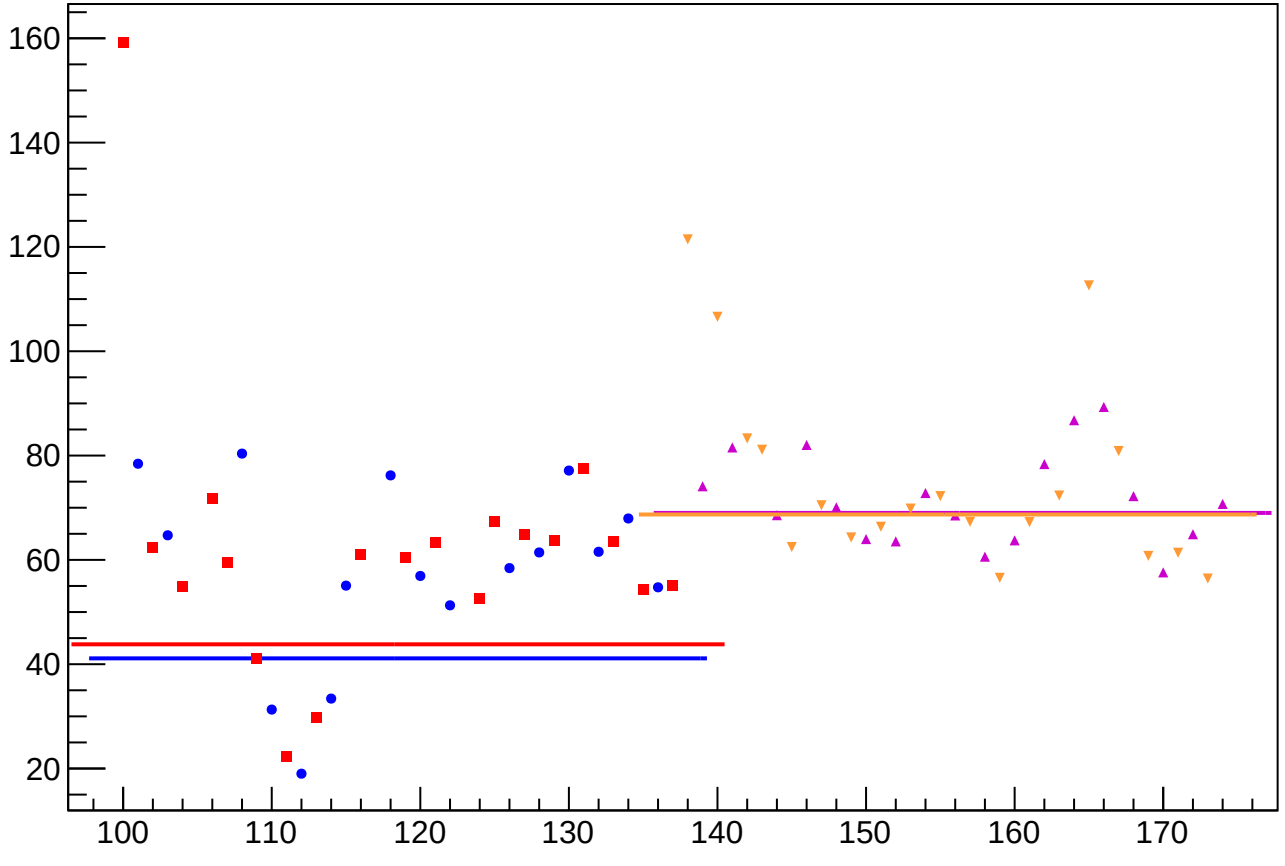
Right: 0.027+/-0.013 χ^2/NDF: 41.2/34

In: 0.031+/-0.013 χ^2/NDF:39.8/33

Out: -0.006+/-0.013 χ^2/NDF:39.1/37

All: 0.013+/-0.009 χ^2/NDF: 82.9/71

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.119+/-0.013 χ^2/NDF: 2925464.8/15

Left Out: 68.701+/-0.013 χ^2/NDF:964143.5/18

Right Out: 43.813+/-0.013 χ^2/NDF: 2048627.9/18

Left In: 69.005+/-0.013 χ^2/NDF:343076.8/17

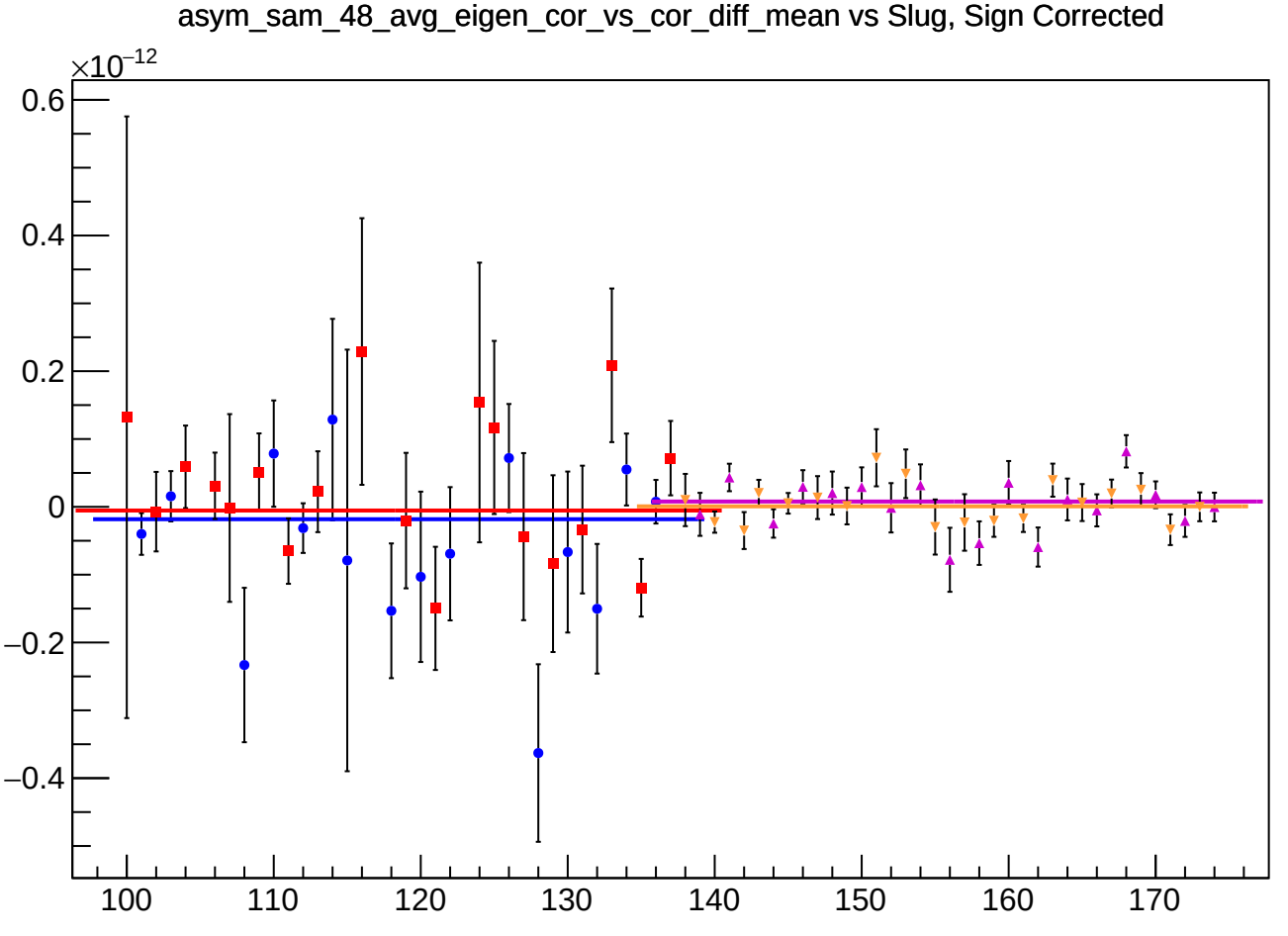
Left: 68.852+/-0.009 χ^2/NDF: 1307490.7/36

Right: 42.454+/-0.009 χ^2/NDF: 4996859.3/34

In: 54.471+/-0.009 χ^2/NDF:5626165.9/33

Out: 55.941+/-0.009 χ^2/NDF:4891333.0/37

All: 55.206+/-0.006 χ^2/NDF: 10530635.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 23.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/18

Left In: 0.000+/-0.000 χ^2/NDF:32.9/17

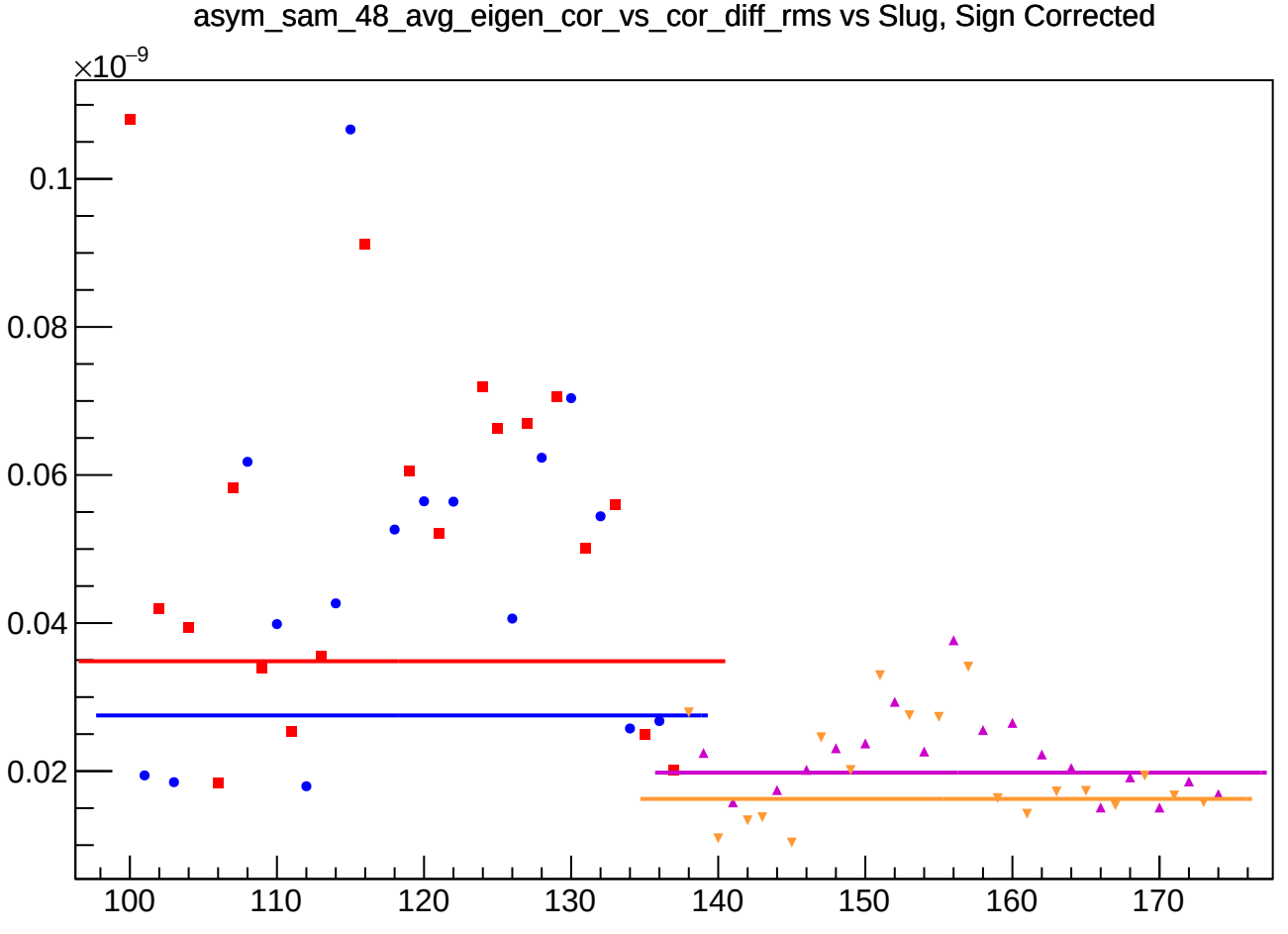
Left: 0.000+/-0.000 χ^2/NDF: 52.8/36

Right: -0.000+/-0.000 χ^2/NDF: 46.6/34

In: 0.000+/-0.000 χ^2/NDF:58.7/33

Out: 0.000+/-0.000 χ^2/NDF:42.6/37

All: 0.000+/-0.000 χ^2/NDF: 101.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 1799776.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:2048399.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1676246.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1025137.0/17

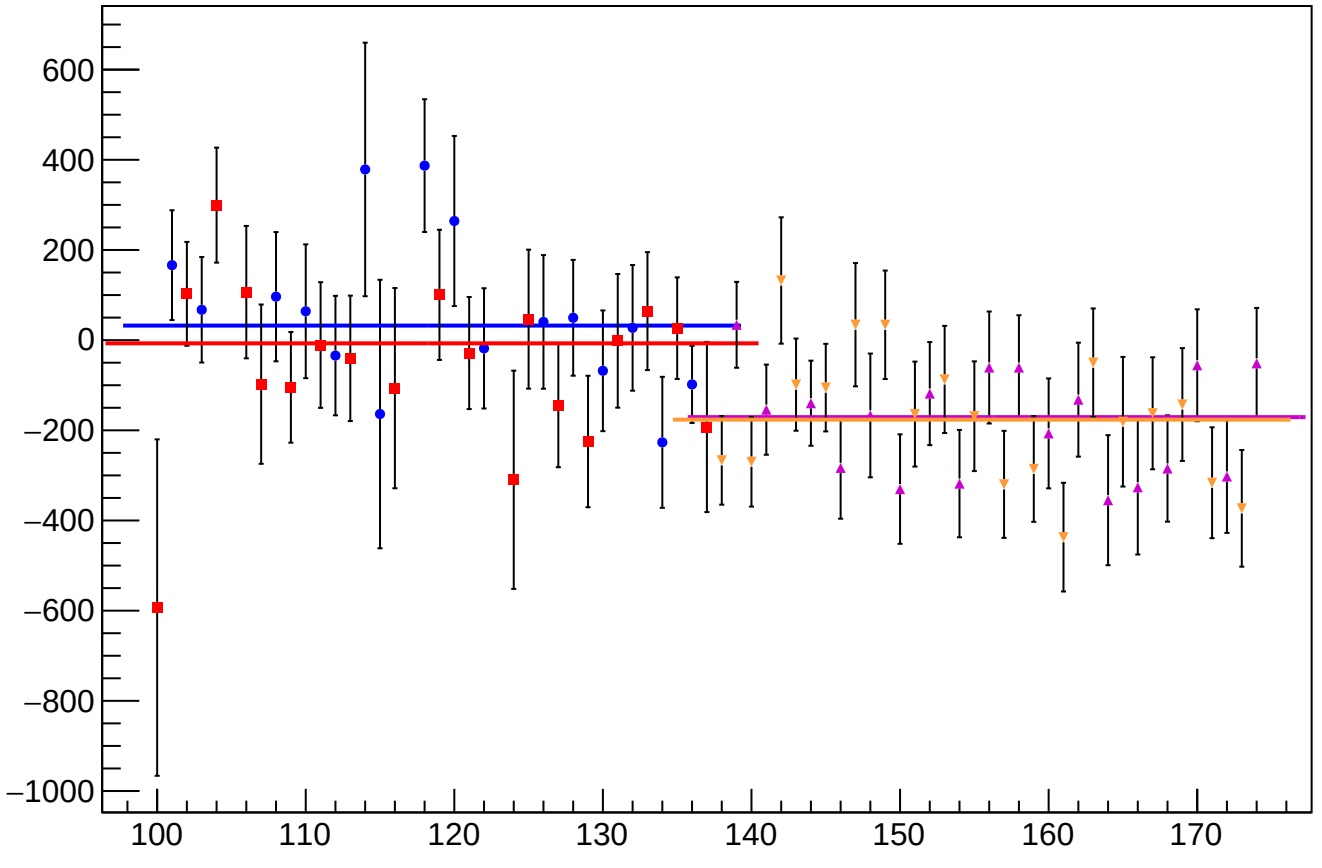
Left: 0.000+/-0.000 χ^2/NDF: 3443475.0/36

Right: 0.000+/-0.000 χ^2/NDF: 3696738.0/34

In: 0.000+/-0.000 χ^2/NDF:3310738.1/33

Out: 0.000+/-0.000 χ^2/NDF:5968466.3/37

All: 0.000+/-0.000 χ^2/NDF: 9572580.5/71



Right In: 32.297+/-34.429 χ^2/NDF: 17.3/15

Left Out: -176.314+/-26.957 χ^2/NDF:25.5/18

Right Out: -7.070+/-33.420 χ^2/NDF: 17.8/18

Left In: -170.751+/-27.754 χ^2/NDF:17.7/17

Left: -173.613+/-19.337 χ^2/NDF: 43.2/36

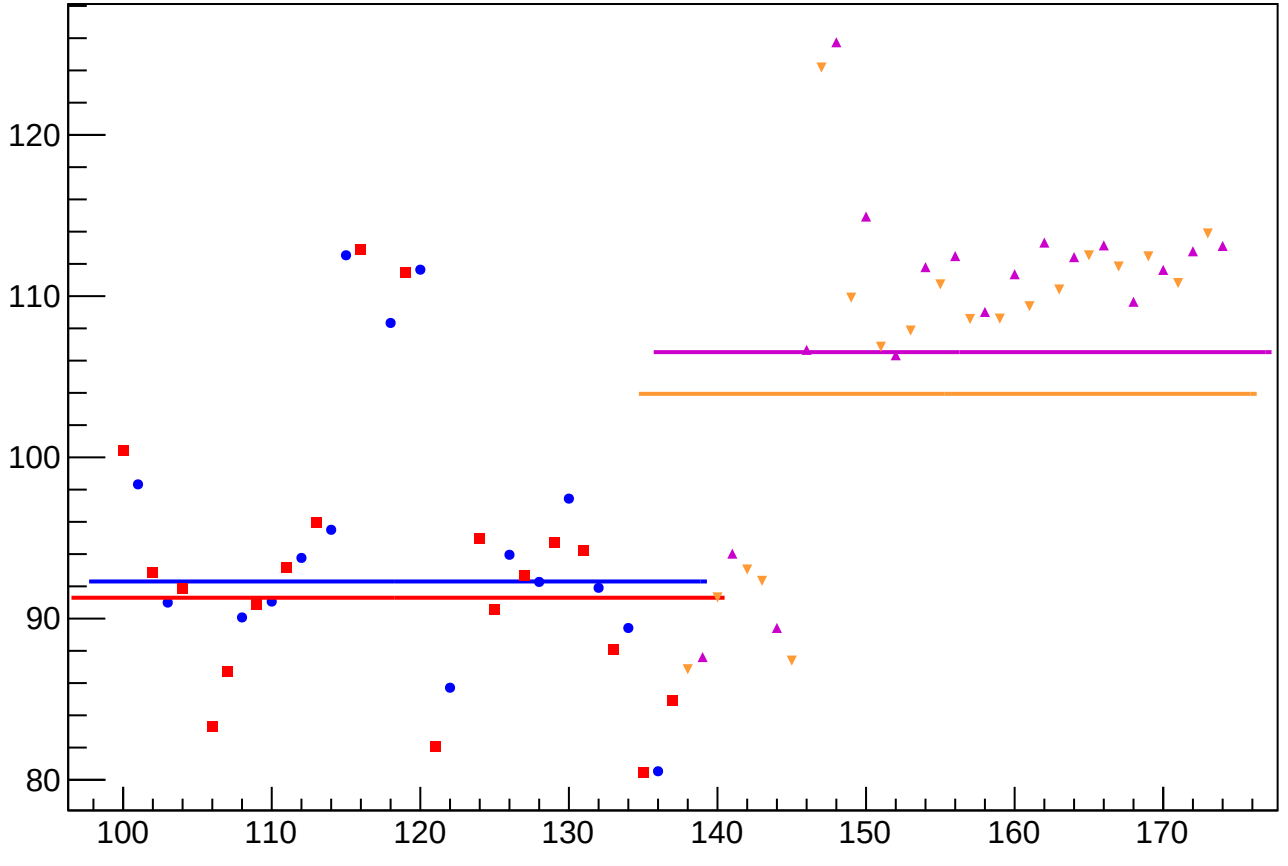
Right: 12.028+/-23.980 χ^2/NDF: 35.7/34

In: -90.774+/-21.607 χ^2/NDF:56.0/33

Out: -109.603+/-20.982 χ^2/NDF:58.8/37

All: -100.465+/-15.053 χ^2/NDF: 115.2/71

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.940+/-0.019 χ^2/NDF:305463.8/18

Right Out: 91.294+/-0.024 χ^2/NDF: 105096.6/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

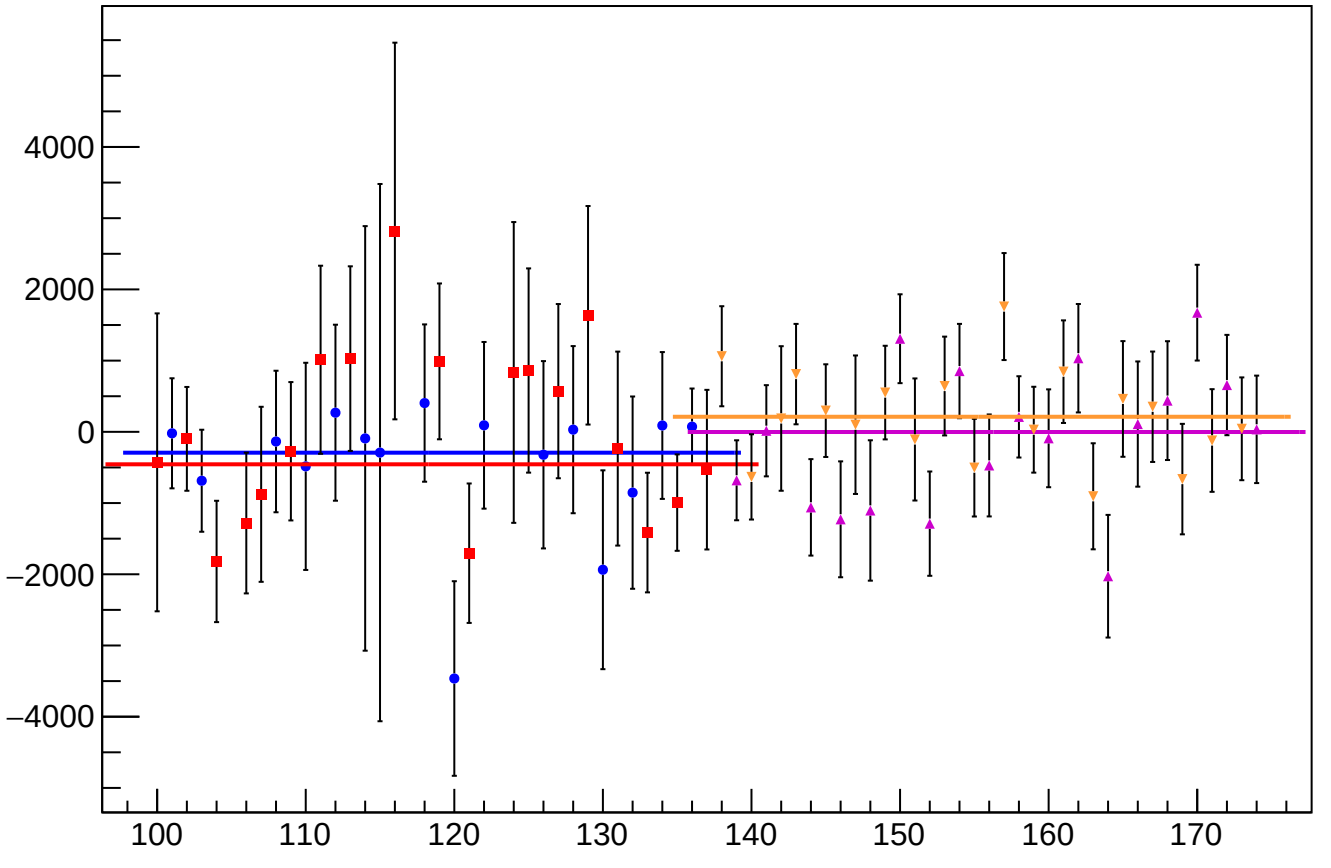
Left: 105.196+/-0.014 χ^2/NDF: 580231.4/36

Right: 91.783+/-0.017 χ^2/NDF: 213046.7/34

In: 100.924+/-0.015 χ^2/NDF:579824.2/33

Out: 98.955+/-0.015 χ^2/NDF:584059.2/37

All: 99.911+/-0.011 χ^2/NDF: 1172432.1/71



Right In: -292.756+/-259.692 χ^2/NDF: 8.8/15

Left Out: 211.730+/-166.567 χ^2/NDF:15.1/18

Right Out: -455.830+/-248.717 χ^2/NDF: 16.9/18

Left In: -2.350+/-166.733 χ^2/NDF:31.9/17

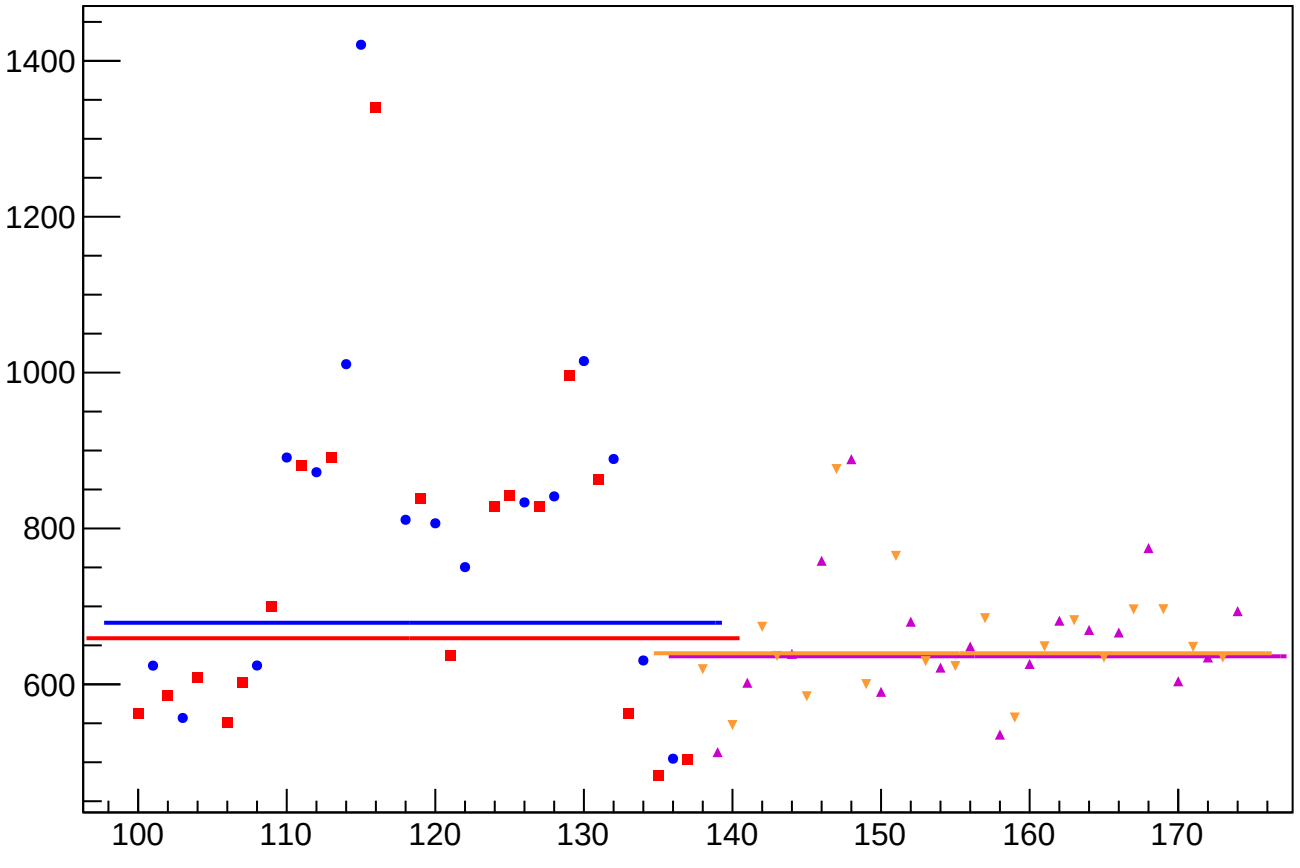
Left: 104.796+/-117.839 χ^2/NDF: 47.9/36

Right: -377.812+/-179.624 χ^2/NDF: 25.9/34

In: -87.117+/-140.304 χ^2/NDF:41.6/33

Out: 5.031+/-138.397 χ^2/NDF:36.9/37

All: -40.412+/-98.529 χ^2/NDF: 78.8/71



Right In: 679.003+/-0.184 χ^2/NDF: 767983.3/15

Left Out: 639.847+/-0.118 χ^2/NDF:308231.8/18

Right Out: 659.133+/-0.176 χ^2/NDF: 795877.7/18

Left In: 635.957+/-0.118 χ^2/NDF:445077.5/17

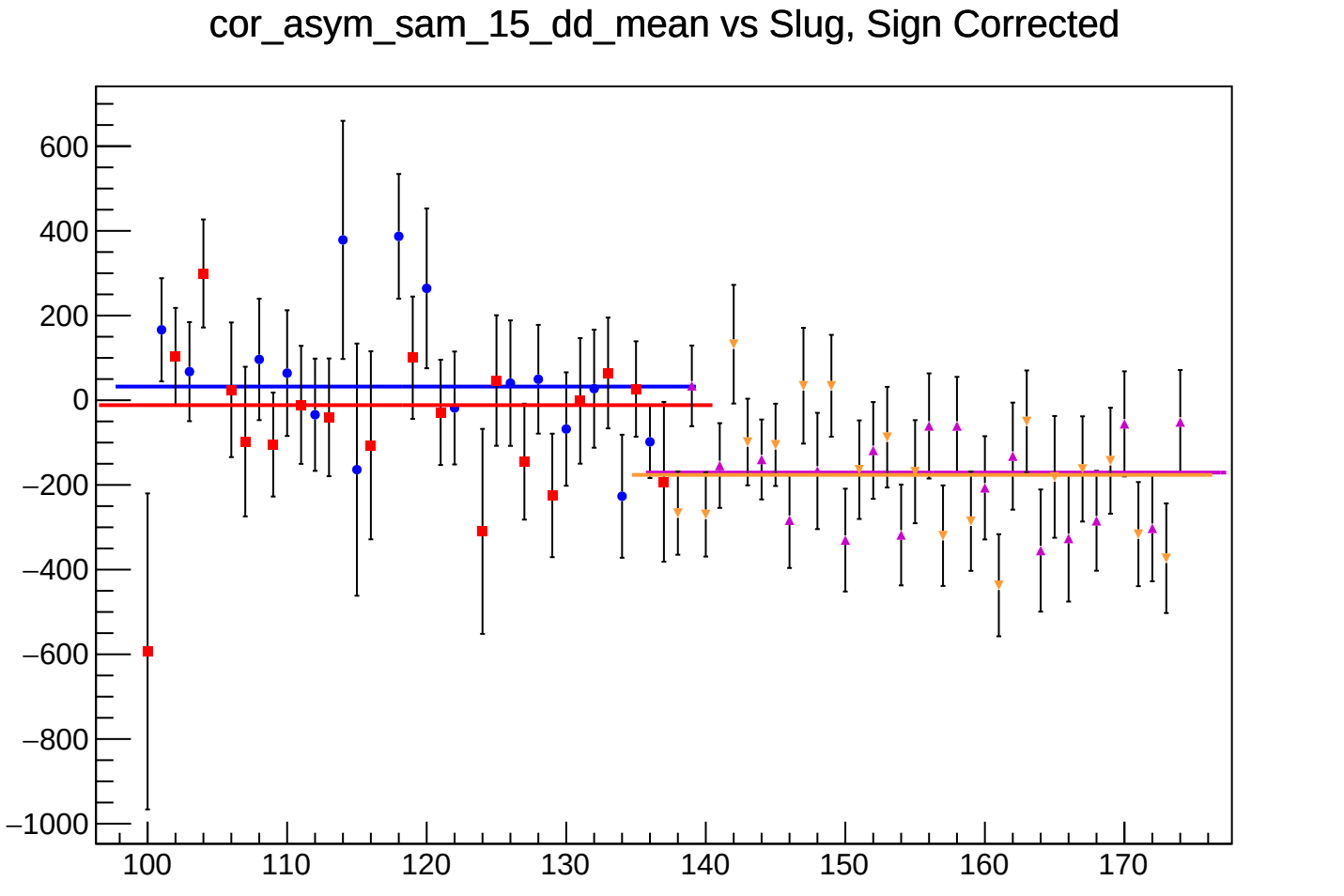
Left: 637.904+/-0.083 χ^2/NDF: 753854.2/36

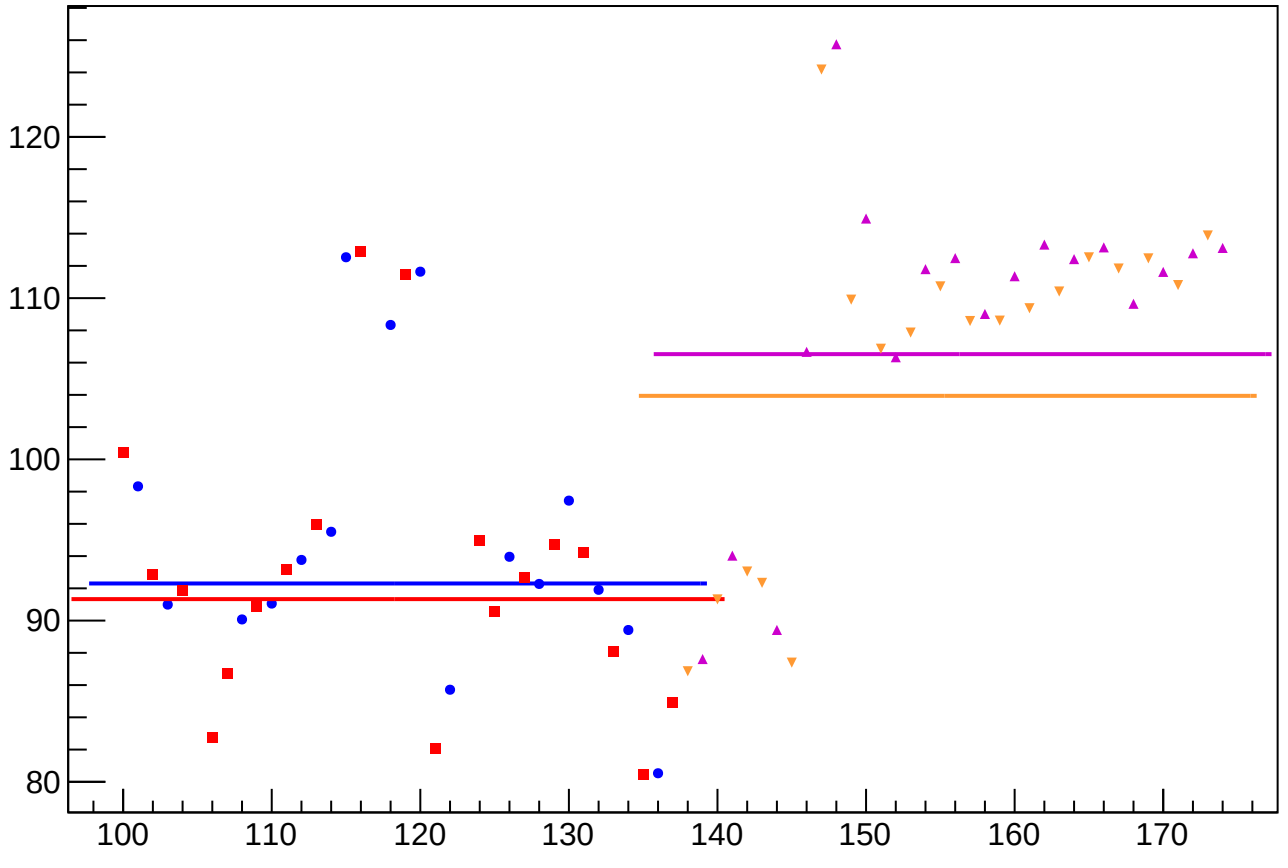
Right: 668.639+/-0.127 χ^2/NDF: 1569967.8/34

In: 648.522+/-0.099 χ^2/NDF:1251972.3/33

Out: 645.819+/-0.098 χ^2/NDF:1112411.4/37

All: 647.152+/-0.070 χ^2/NDF: 2364759.9/71


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: -176.312+/-26.957 χ²/NDF:25.5/18
Right Out: -11.576+/-33.548 χ²/NDF: 17.2/18
Left In: -170.753+/-27.754 χ²/NDF:17.7/17
Left: -173.613+/-19.337 χ²/NDF: 43.2/36
Right: 9.800+/-24.028 χ²/NDF: 35.3/34
In: -90.770+/-21.607 χ²/NDF:56.0/33
Out: -111.680+/-21.014 χ²/NDF:57.3/37
All: -101.516+/-15.064 χ²/NDF: 113.9/71



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.940+/-0.019 χ^2/NDF:305463.8/18

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

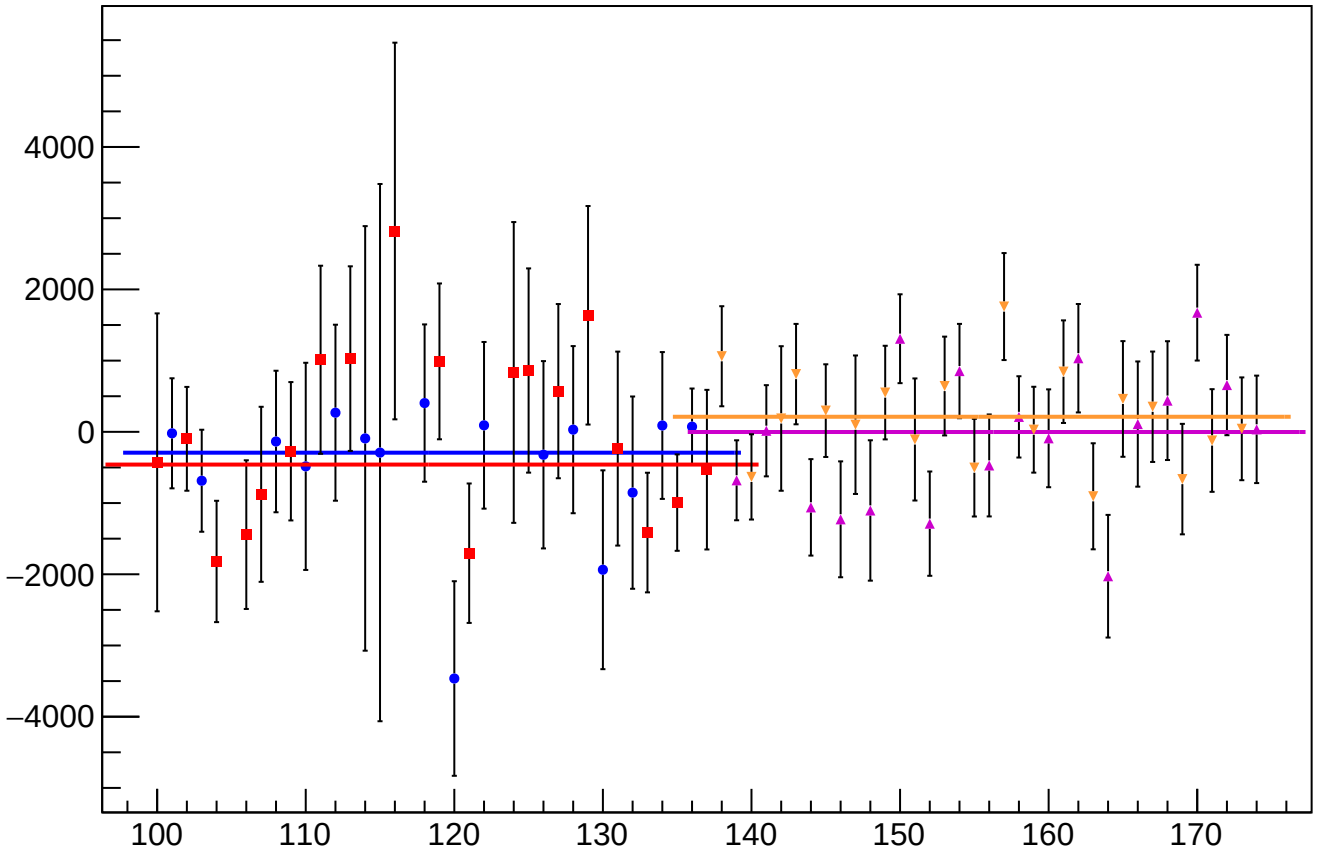
Left: 105.196+/-0.014 χ^2/NDF: 580231.5/36

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.924+/-0.015 χ^2/NDF:579824.1/33

Out: 98.993+/-0.015 χ^2/NDF:582028.8/37

All: 99.932+/-0.011 χ^2/NDF: 1170060.8/71



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 211.729+/-166.567 χ^2/NDF:15.1/18

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -2.352+/-166.733 χ^2/NDF:31.9/17

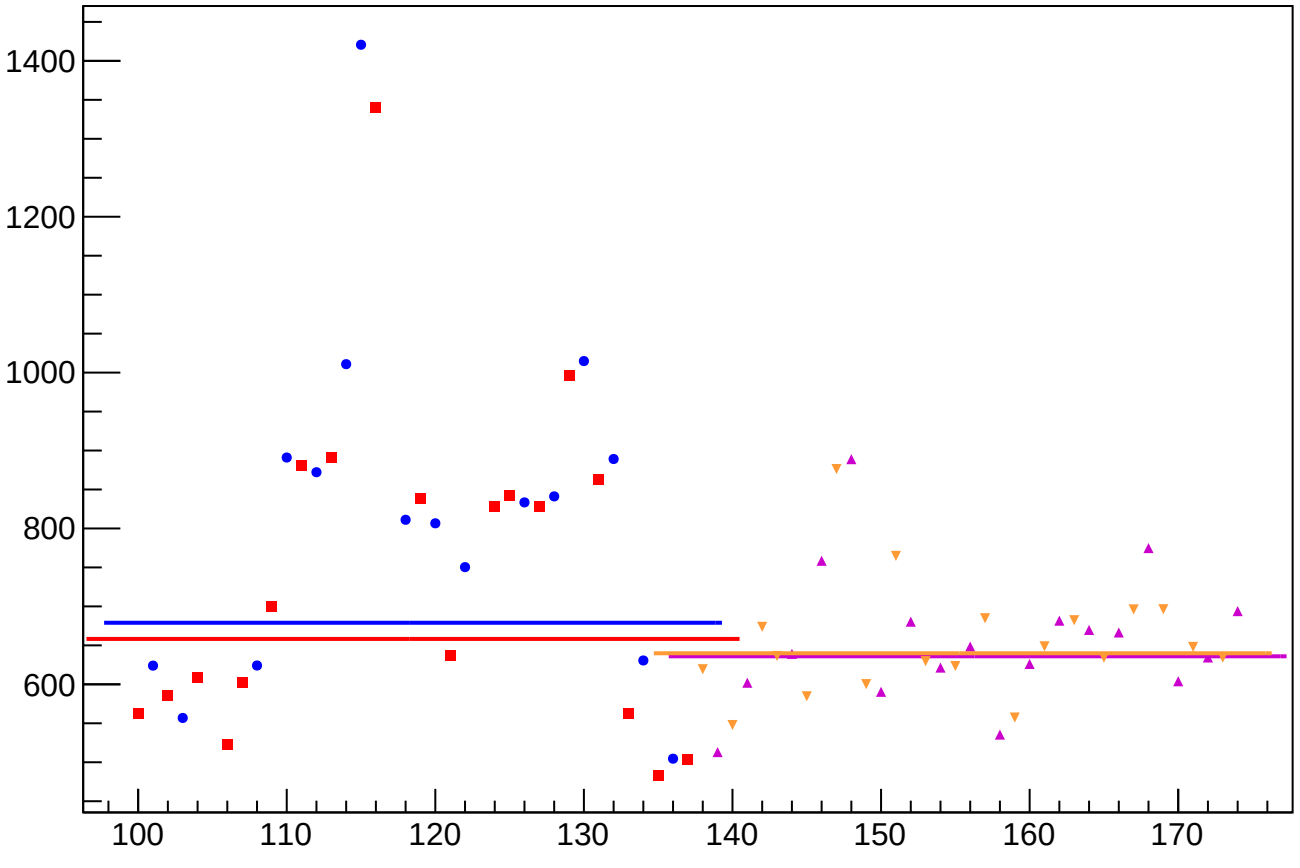
Left: 104.795+/-117.839 χ^2/NDF: 47.9/36

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -87.118+/-140.304 χ^2/NDF:41.6/33

Out: 4.816+/-138.539 χ^2/NDF:37.2/37

All: -40.569+/-98.580 χ^2/NDF: 79.0/71



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 639.848+/-0.118 χ^2/NDF:308232.9/18

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

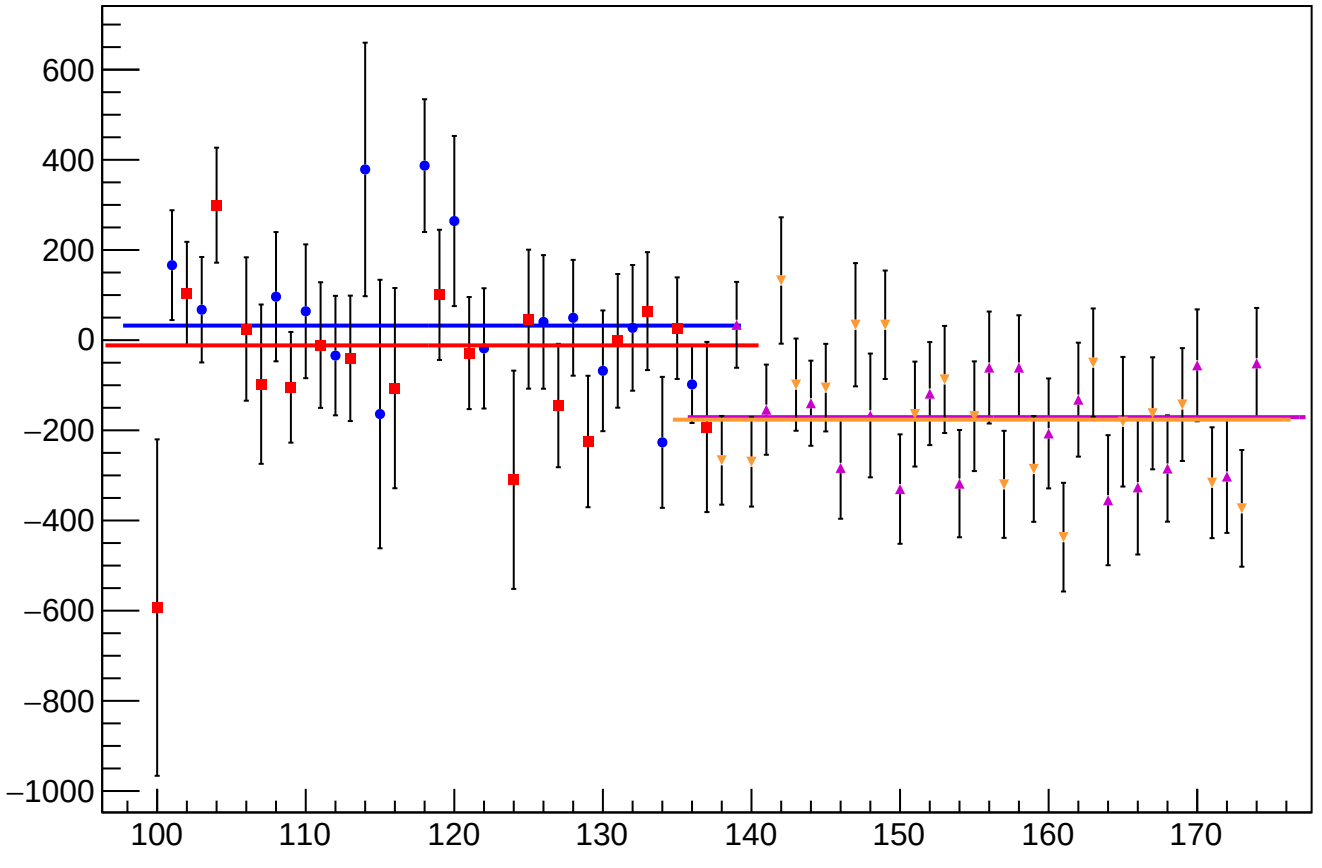
Left: 637.904+/-0.083 χ^2/NDF: 753856.3/36

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.522+/-0.099 χ^2/NDF:1251974.4/33

Out: 645.523+/-0.098 χ^2/NDF:1121664.8/37

All: 647.004+/-0.070 χ^2/NDF: 2374101.7/71



Right In: 32.312+/-34.429 χ^2/NDF: 17.3/15

Left Out: -176.312+/-26.957 χ^2/NDF:25.5/18

Right Out: -11.576+/-33.548 χ^2/NDF: 17.2/18

Left In: -170.753+/-27.754 χ^2/NDF:17.7/17

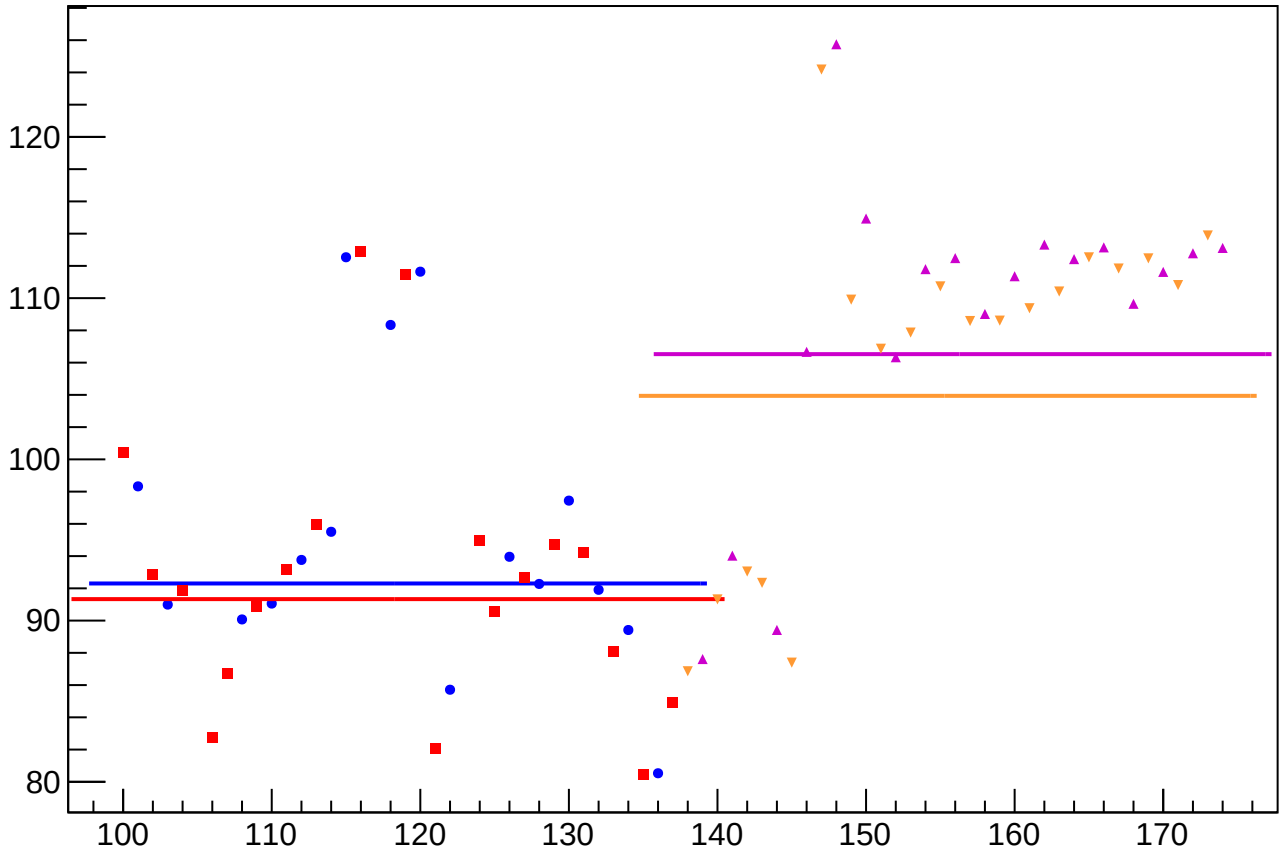
Left: -173.613+/-19.337 χ^2/NDF: 43.2/36

Right: 9.800+/-24.028 χ^2/NDF: 35.3/34

In: -90.770+/-21.607 χ^2/NDF:56.0/33

Out: -111.680+/-21.014 χ^2/NDF:57.3/37

All: -101.516+/-15.064 χ^2/NDF: 113.9/71



Right In: 92.302+/-0.024 χ^2/NDF: 107066.1/15

Left Out: 103.940+/-0.019 χ^2/NDF:305463.8/18

Right Out: 91.332+/-0.024 χ^2/NDF: 104918.3/18

Left In: 106.527+/-0.020 χ^2/NDF:265825.3/17

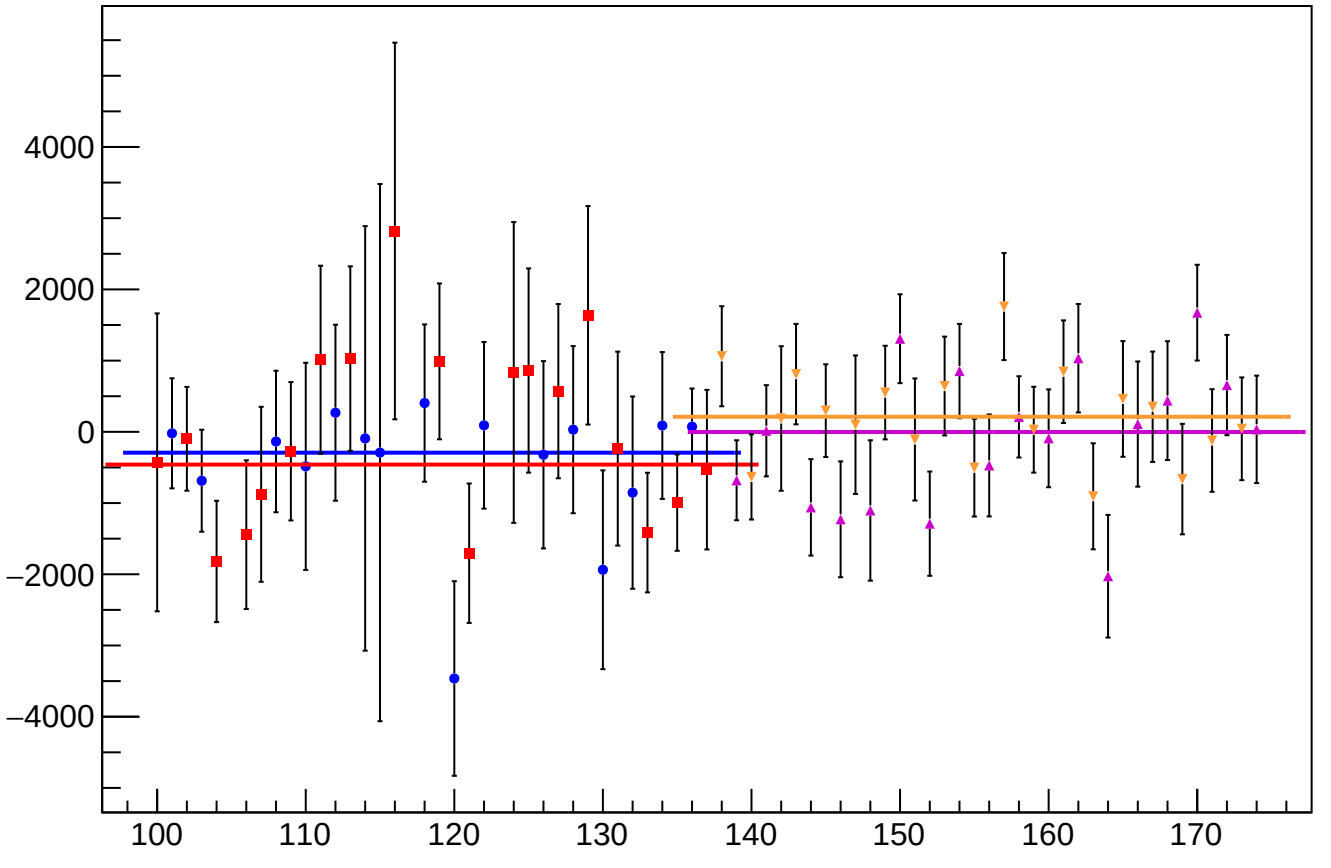
Left: 105.196+/-0.014 χ^2/NDF: 580231.5/36

Right: 91.805+/-0.017 χ^2/NDF: 212799.4/34

In: 100.924+/-0.015 χ^2/NDF:579824.1/33

Out: 98.993+/-0.015 χ^2/NDF:582028.8/37

All: 99.932+/-0.011 χ^2/NDF: 1170060.8/71



Right In: -292.753+/-259.692 χ^2/NDF: 8.8/15

Left Out: 211.729+/-166.567 χ^2/NDF:15.1/18

Right Out: -459.595+/-249.543 χ^2/NDF: 17.1/18

Left In: -2.352+/-166.733 χ^2/NDF:31.9/17

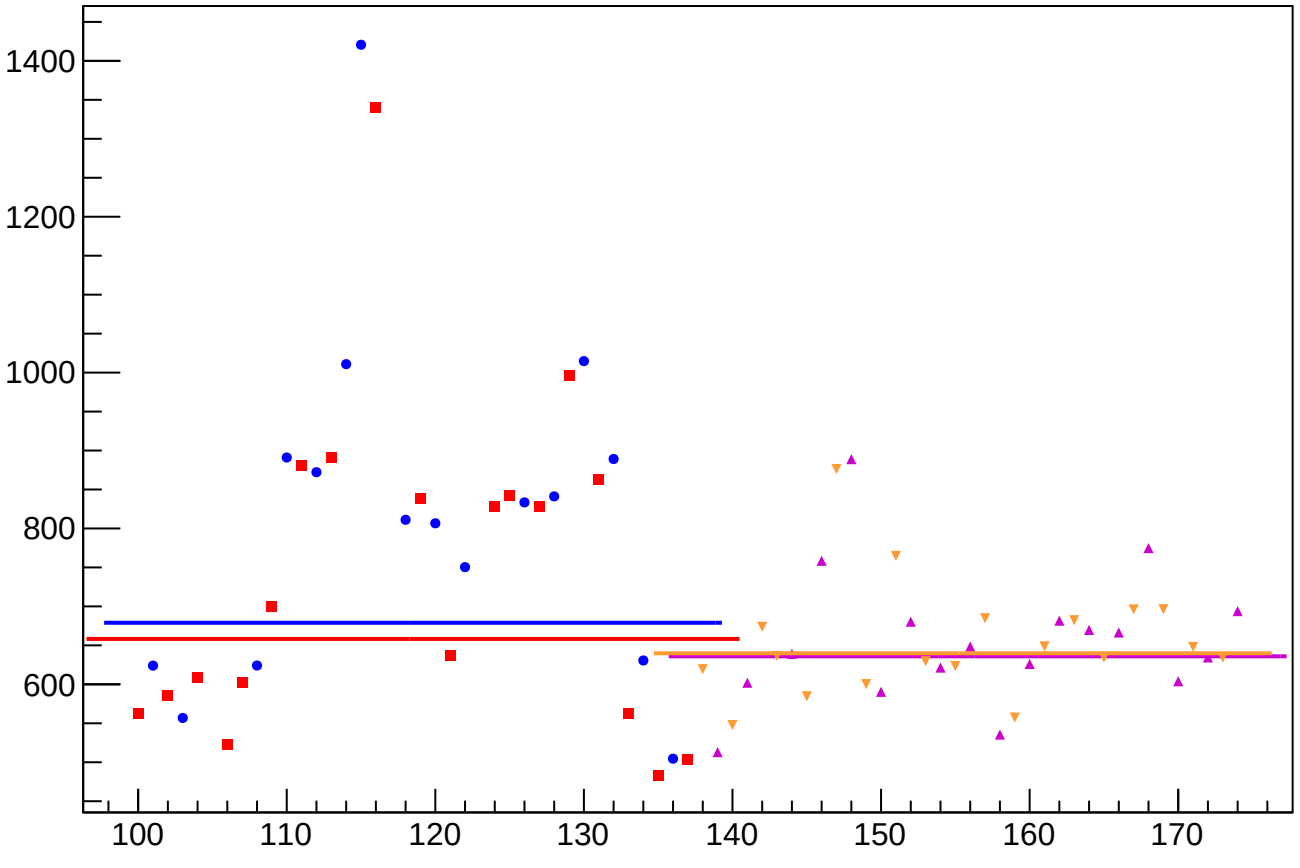
Left: 104.795+/-117.839 χ^2/NDF: 47.9/36

Right: -379.498+/-179.935 χ^2/NDF: 26.1/34

In: -87.118+/-140.304 χ^2/NDF:41.6/33

Out: 4.816+/-138.539 χ^2/NDF:37.2/37

All: -40.569+/-98.580 χ^2/NDF: 79.0/71



Right In: 679.003+/-0.184 χ^2/NDF: 767985.6/15

Left Out: 639.848+/-0.118 χ^2/NDF:308232.9/18

Right Out: 658.262+/-0.176 χ^2/NDF: 805898.2/18

Left In: 635.957+/-0.118 χ^2/NDF:445078.4/17

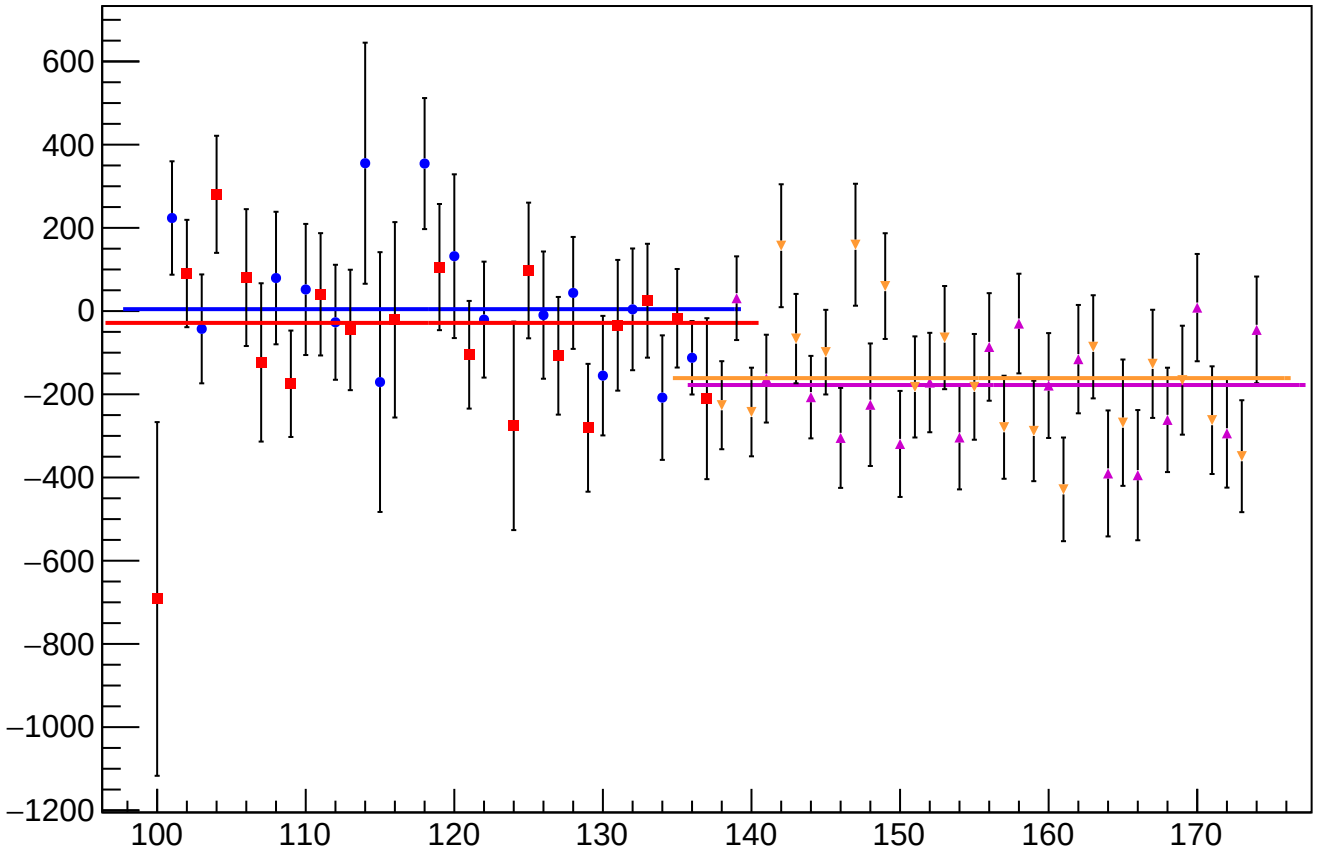
Left: 637.904+/-0.083 χ^2/NDF: 753856.3/36

Right: 668.219+/-0.127 χ^2/NDF: 1580516.6/34

In: 648.522+/-0.099 χ^2/NDF:1251974.4/33

Out: 645.523+/-0.098 χ^2/NDF:1121664.8/37

All: 647.004+/-0.070 χ^2/NDF: 2374101.7/71



Right In: 4.619+/-36.509 χ^2/NDF: 15.3/15

Left Out: -161.106+/-28.295 χ^2/NDF:25.4/18

Right Out: -28.407+/-35.465 χ^2/NDF: 17.1/18

Left In: -177.686+/-29.104 χ^2/NDF:18.4/17

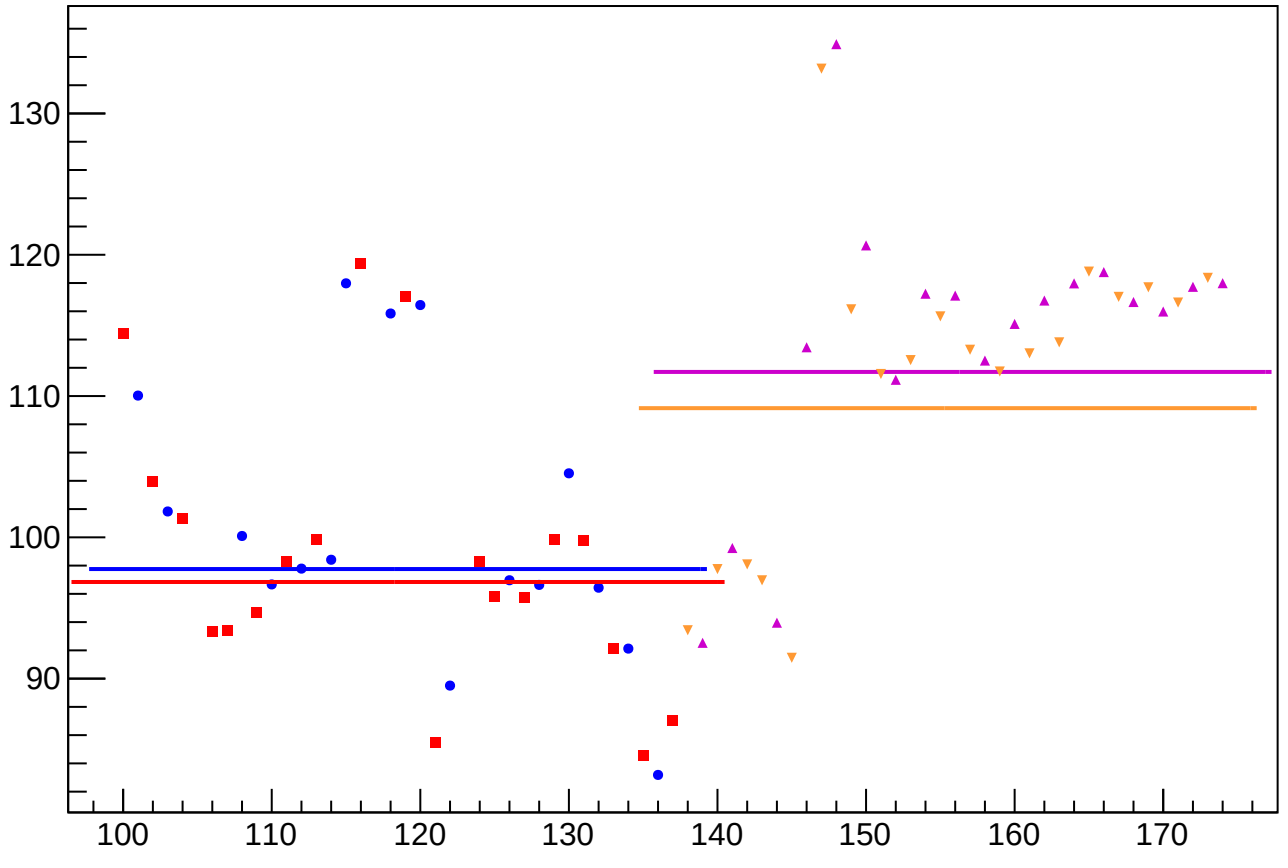
Left: -169.163+/-20.287 χ^2/NDF: 43.9/36

Right: -12.373+/-25.439 χ^2/NDF: 32.9/34

In: -106.851+/-22.758 χ^2/NDF:49.0/33

Out: -109.492+/-22.118 χ^2/NDF:51.0/37

All: -108.209+/-15.861 χ^2/NDF: 100.0/71



Right In: 97.756+/-0.026 χ^2/NDF: 140654.4/15

Left Out: 109.143+/-0.020 χ^2/NDF:279664.2/18

Right Out: 96.840+/-0.025 χ^2/NDF: 115170.9/18

Left In: 111.707+/-0.021 χ^2/NDF:258477.2/17

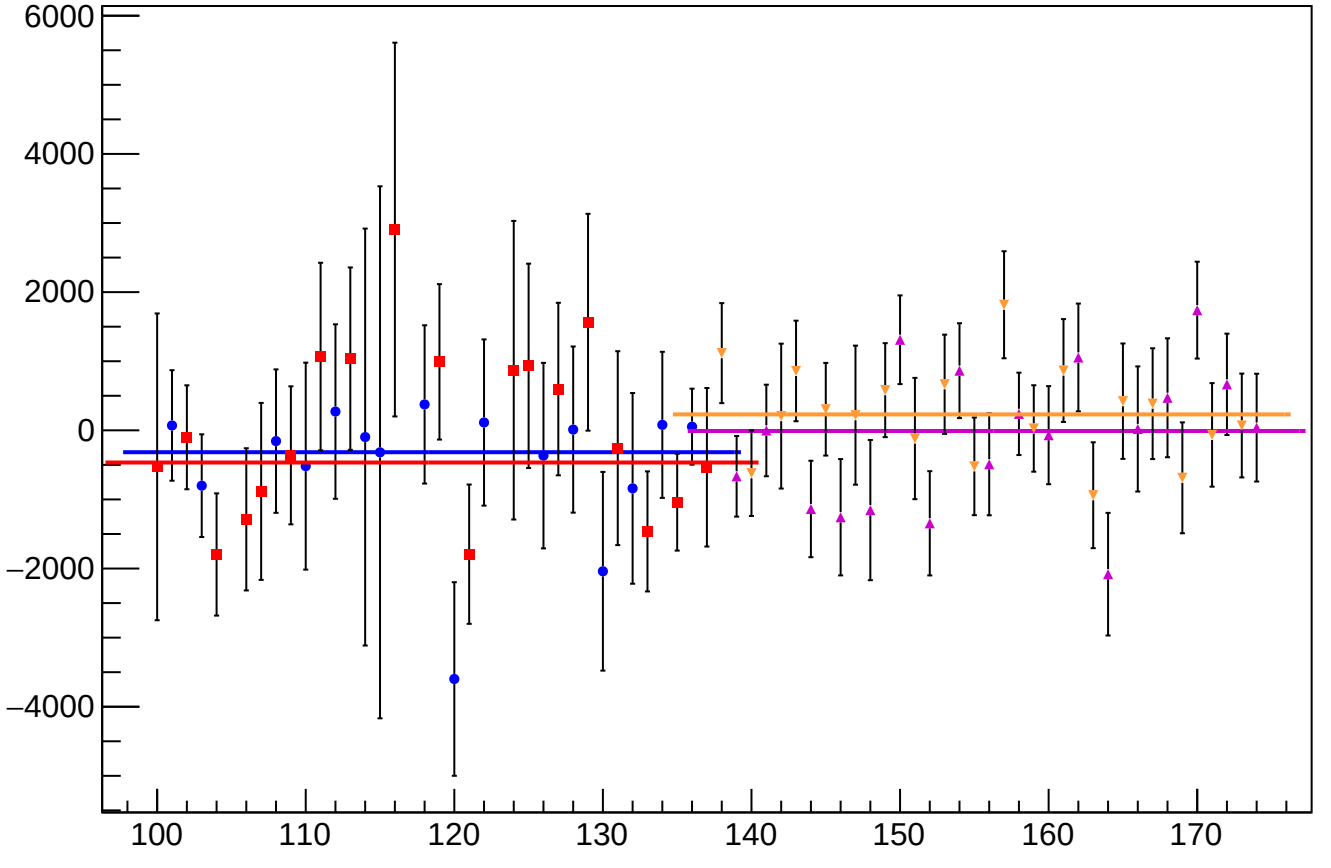
Left: 110.389+/-0.014 χ^2/NDF: 546121.8/36

Right: 97.285+/-0.018 χ^2/NDF: 256473.4/34

In: 106.287+/-0.016 χ^2/NDF:577710.6/33

Out: 104.358+/-0.016 χ^2/NDF:541924.3/37

All: 105.295+/-0.011 χ^2/NDF: 1127022.2/71



Right In: -316.572+/-267.515 χ^2/NDF: 9.2/15

Left Out: 230.539+/-172.102 χ^2/NDF:15.0/18

Right Out: -465.576+/-256.646 χ^2/NDF: 16.5/18

Left In: -9.478+/-172.473 χ^2/NDF:31.6/17

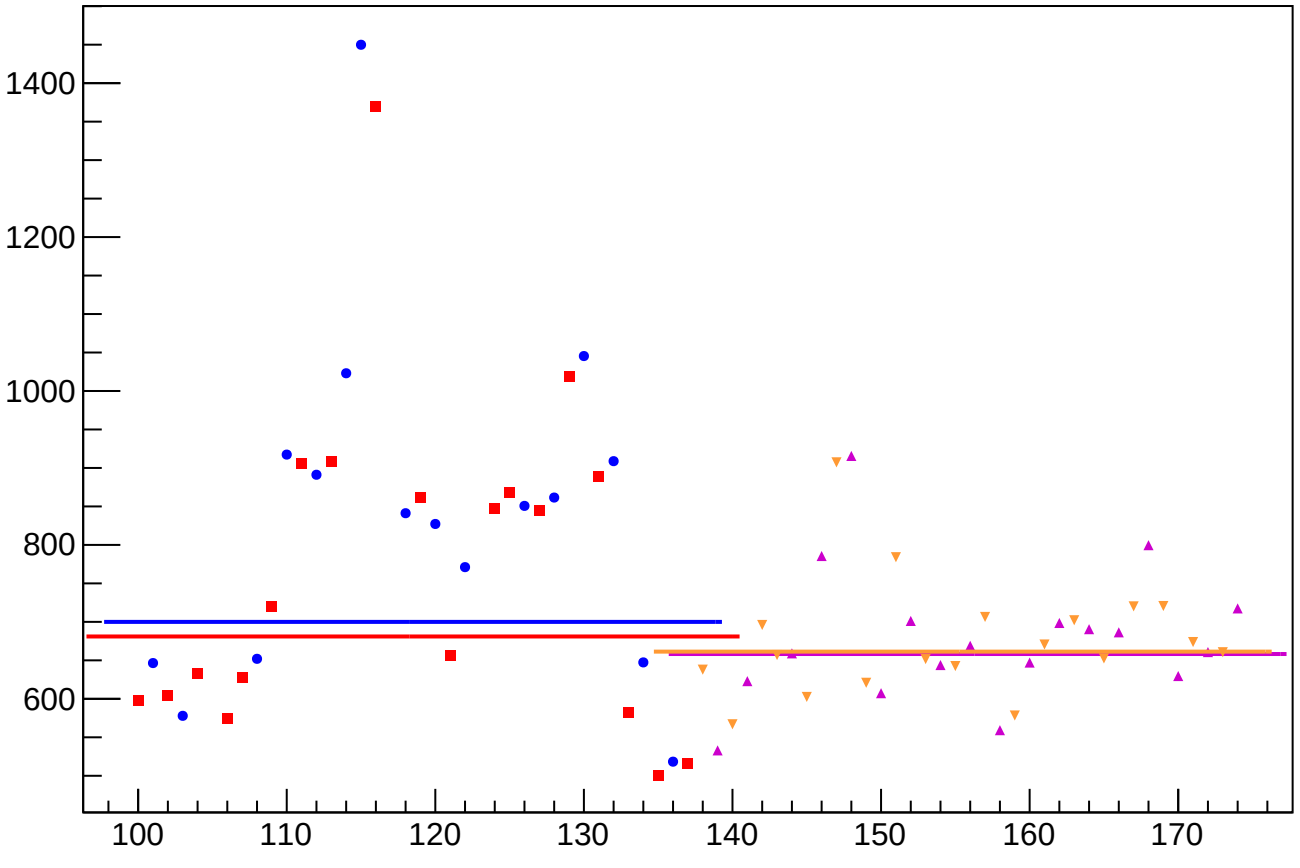
Left: 110.789+/-121.825 χ^2/NDF: 47.7/36

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -99.646+/-144.958 χ^2/NDF:41.7/33

Out: 14.609+/-142.939 χ^2/NDF:36.6/37

All: -41.717+/-101.779 χ^2/NDF: 78.6/71



Right In: 699.973+/-0.189 χ^2/NDF: 753665.4/15

Left Out: 661.342+/-0.122 χ^2/NDF:304094.9/18

Right Out: 681.016+/-0.181 χ^2/NDF: 769397.2/18

Left In: 658.229+/-0.122 χ^2/NDF:427159.2/17

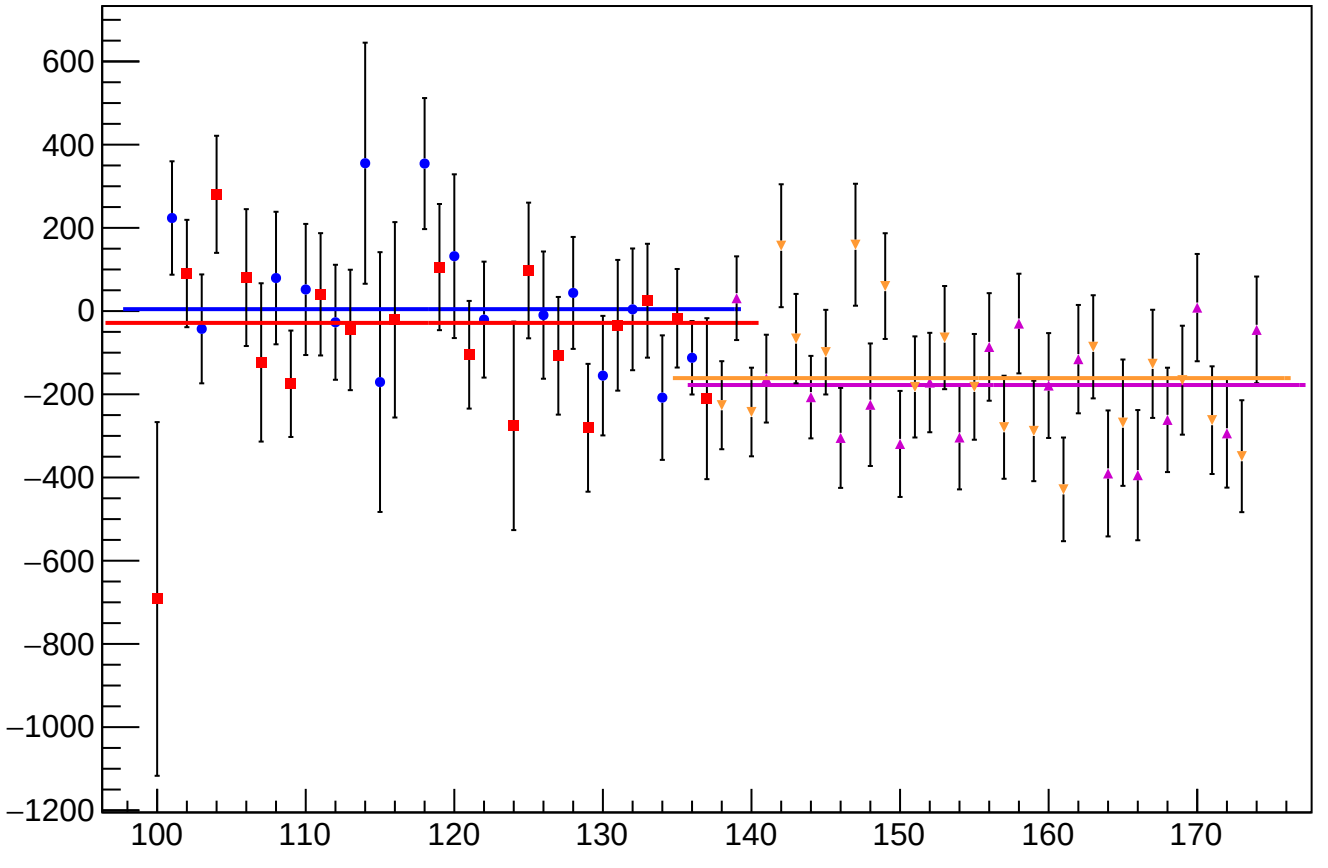
Left: 659.789+/-0.086 χ^2/NDF: 731580.7/36

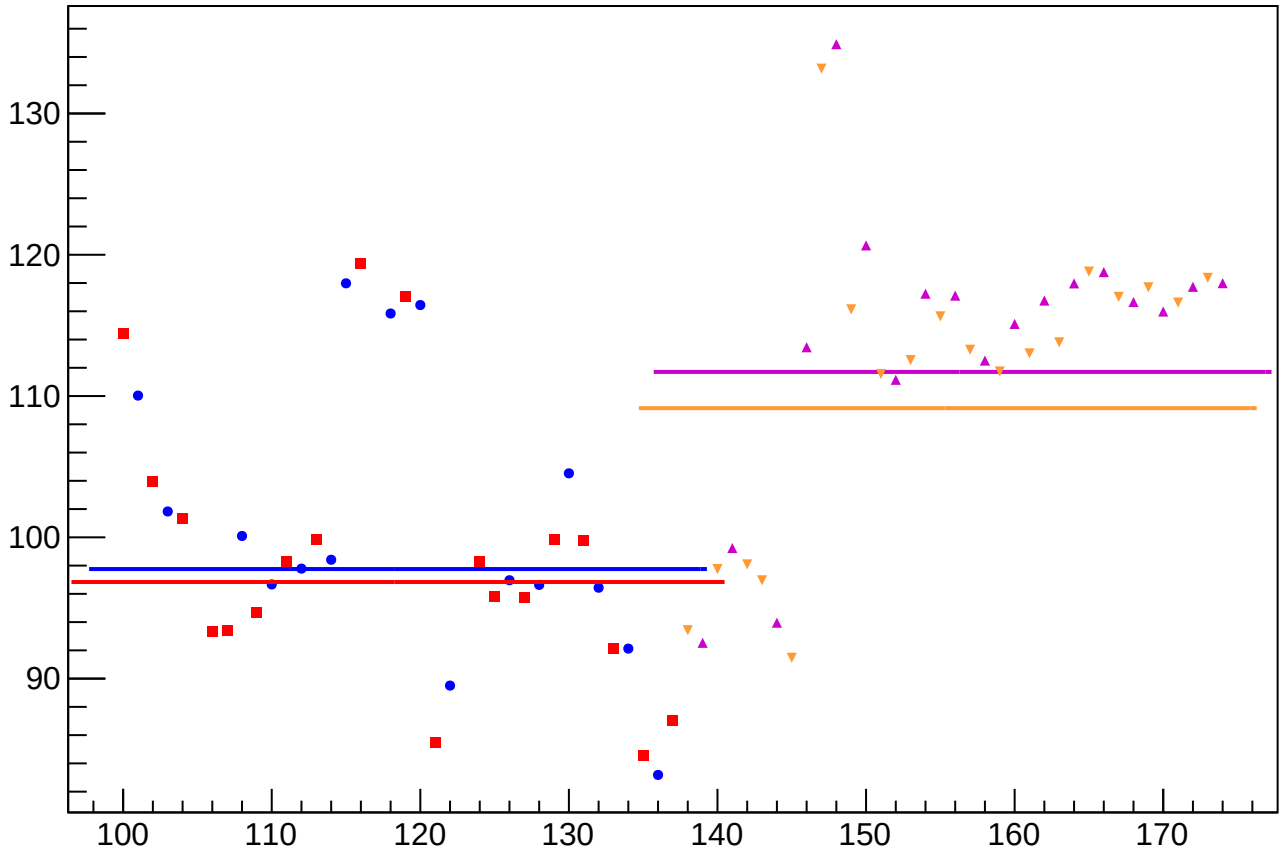
Right: 690.102+/-0.131 χ^2/NDF: 1528292.0/34

In: 670.486+/-0.103 χ^2/NDF:1215225.1/33

Out: 667.445+/-0.101 χ^2/NDF:1081599.7/37

All: 668.944+/-0.072 χ^2/NDF: 2297270.9/71


eigen_dit_asym_sam_15_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
−1200
100
110
120
130
140
150
160
170
Right In: 4.620+/-36.509 χ²/NDF: 15.3/15
Left Out: -161.107+/-28.295 χ²/NDF:25.4/18
Right Out: -28.407+/-35.465 χ²/NDF: 17.1/18
Left In: -177.687+/-29.104 χ²/NDF:18.4/17
Left: -169.163+/-20.287 χ²/NDF: 43.9/36
Right: -12.373+/-25.438 χ²/NDF: 32.9/34
In: -106.850+/-22.758 χ²/NDF:49.0/33
Out: -109.492+/-22.118 χ²/NDF:51.0/37
All: -108.209+/-15.861 χ²/NDF: 100.0/71



Right In: 97.756+/-0.026 χ^2/NDF: 140654.8/15

Left Out: 109.143+/-0.020 χ^2/NDF:279663.7/18

Right Out: 96.839+/-0.025 χ^2/NDF: 115173.1/18

Left In: 111.708+/-0.021 χ^2/NDF:258475.2/17

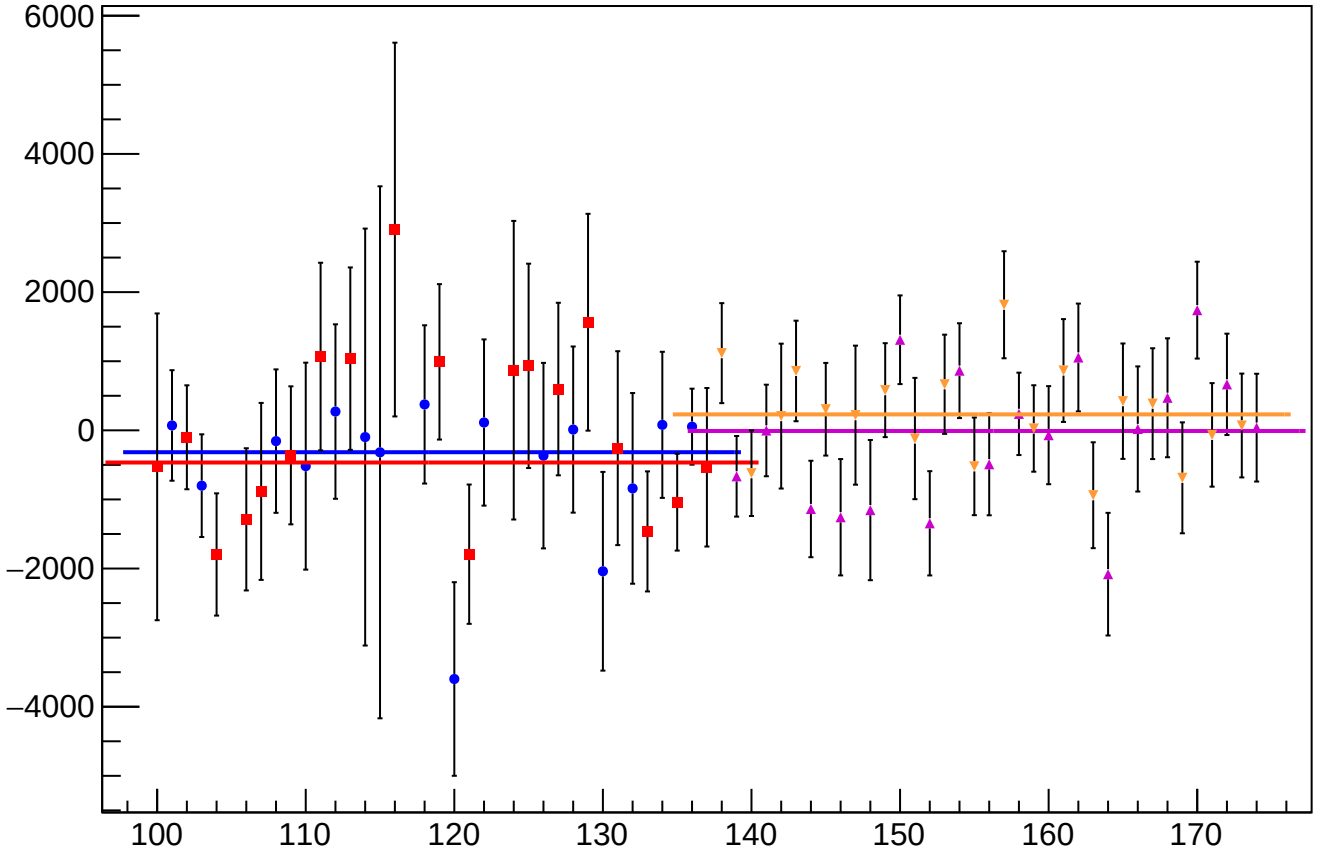
Left: 110.389+/-0.014 χ^2/NDF: 546119.4/36

Right: 97.284+/-0.018 χ^2/NDF: 256476.1/34

In: 106.286+/-0.016 χ^2/NDF:577719.6/33

Out: 104.358+/-0.016 χ^2/NDF:541935.7/37

All: 105.295+/-0.011 χ^2/NDF: 1127042.9/71



Right In: -316.570+/-267.515 χ^2/NDF: 9.2/15

Left Out: 230.539+/-172.102 χ^2/NDF:15.0/18

Right Out: -465.576+/-256.645 χ^2/NDF: 16.5/18

Left In: -9.478+/-172.473 χ^2/NDF:31.6/17

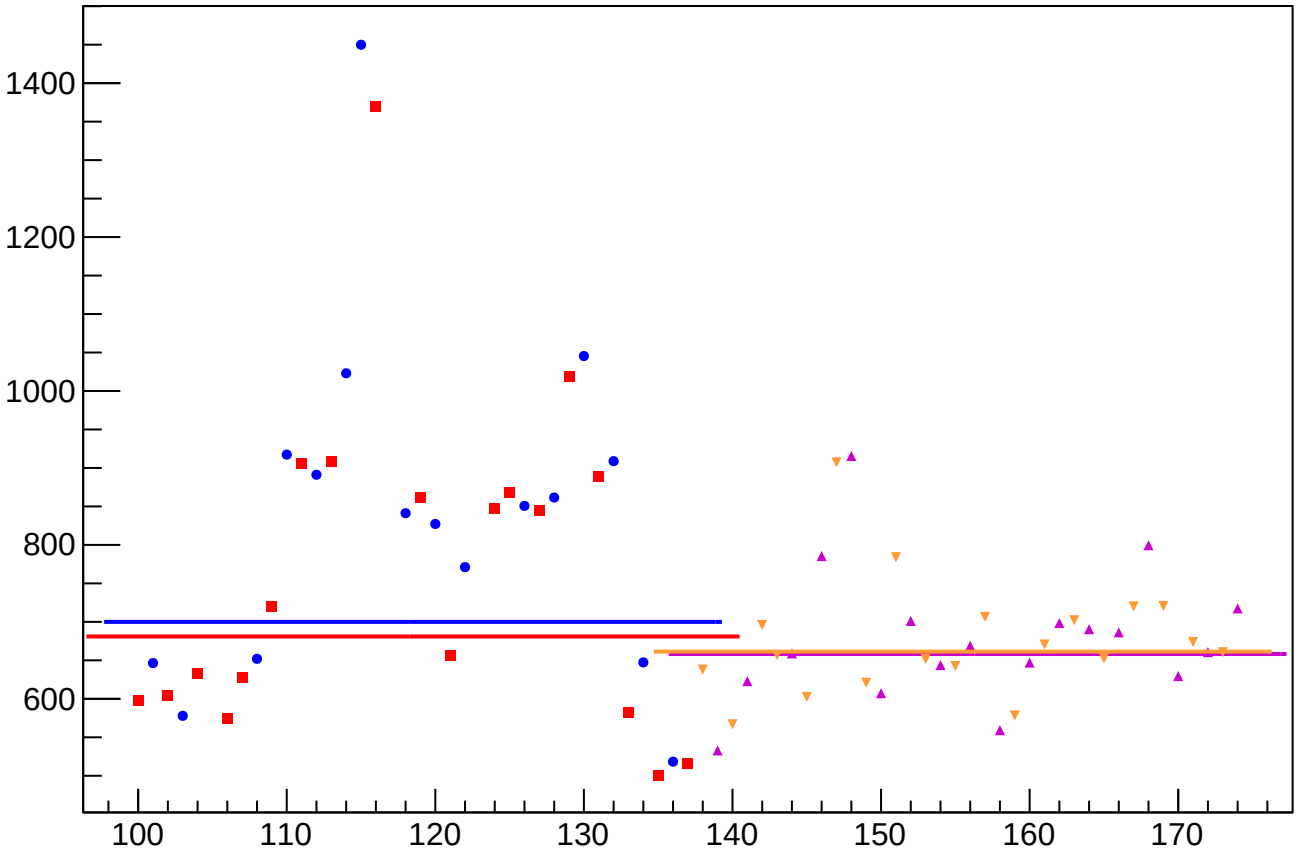
Left: 110.789+/-121.826 χ^2/NDF: 47.7/36

Right: -394.162+/-185.199 χ^2/NDF: 25.8/34

In: -99.647+/-144.958 χ^2/NDF:41.7/33

Out: 14.608+/-142.939 χ^2/NDF:36.6/37

All: -41.718+/-101.779 χ^2/NDF: 78.6/71



Right In: 699.971+/-0.189 χ^2/NDF: 753668.1/15

Left Out: 661.343+/-0.122 χ^2/NDF:304095.1/18

Right Out: 681.015+/-0.181 χ^2/NDF: 769400.5/18

Left In: 658.229+/-0.122 χ^2/NDF:427160.2/17

Left: 659.790+/-0.086 χ^2/NDF: 731581.8/36

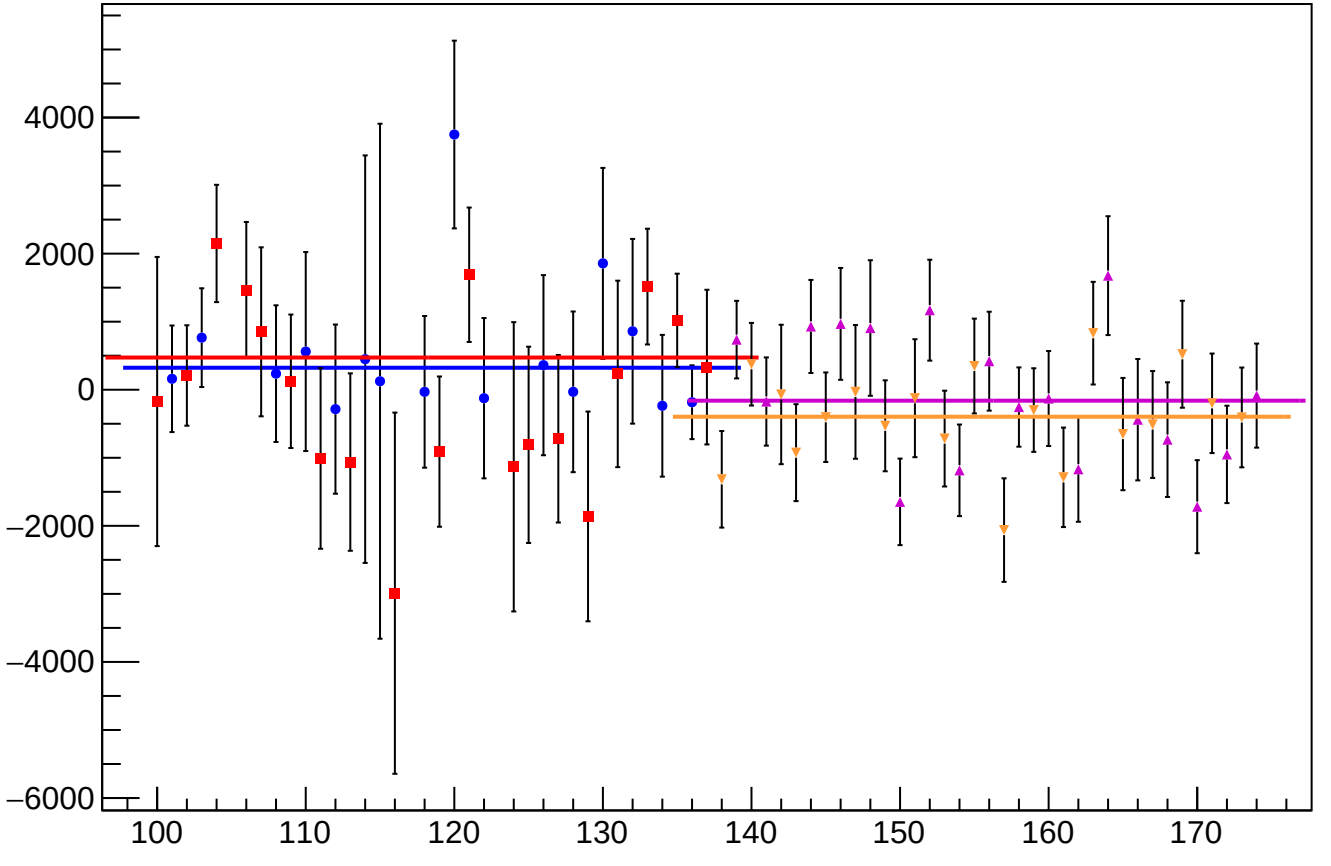
Right: 690.100+/-0.131 χ^2/NDF: 1528298.1/34

In: 670.486+/-0.103 χ^2/NDF:1215225.3/33

Out: 667.445+/-0.101 χ^2/NDF:1081601.0/37

All: 668.944+/-0.072 χ^2/NDF: 2297272.5/71

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 323.198+/-262.332 χ^2/NDF: 9.7/15

Left Out: -396.636+/-168.871 χ^2/NDF:16.1/18

Right Out: 473.233+/-251.330 χ^2/NDF: 19.4/18

Left In: -160.950+/-169.182 χ^2/NDF:32.8/17

Left: -279.010+/-119.520 χ^2/NDF: 49.9/36

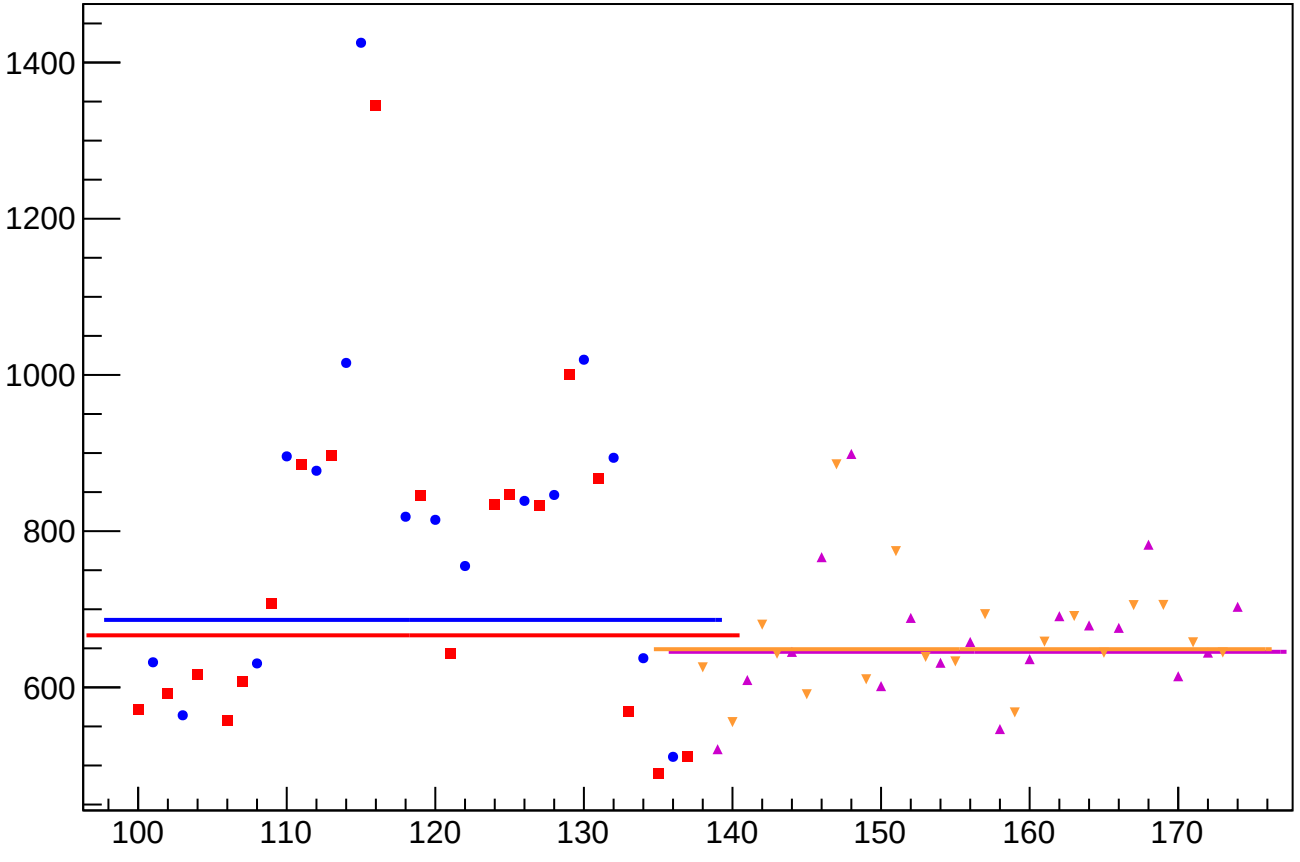
Right: 401.428+/-181.482 χ^2/NDF: 29.3/34

In: -18.735+/-142.179 χ^2/NDF:44.9/33

Out: -126.073+/-140.169 χ^2/NDF:43.7/37

All: -73.168+/-99.817 χ^2/NDF: 89.0/71

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 686.394+/-0.185 χ^2/NDF: 749454.8/15

Left Out: 648.875+/-0.119 χ^2/NDF:302376.7/18

Right Out: 666.634+/-0.178 χ^2/NDF: 777033.6/18

Left In: 645.539+/-0.120 χ^2/NDF:431482.1/17

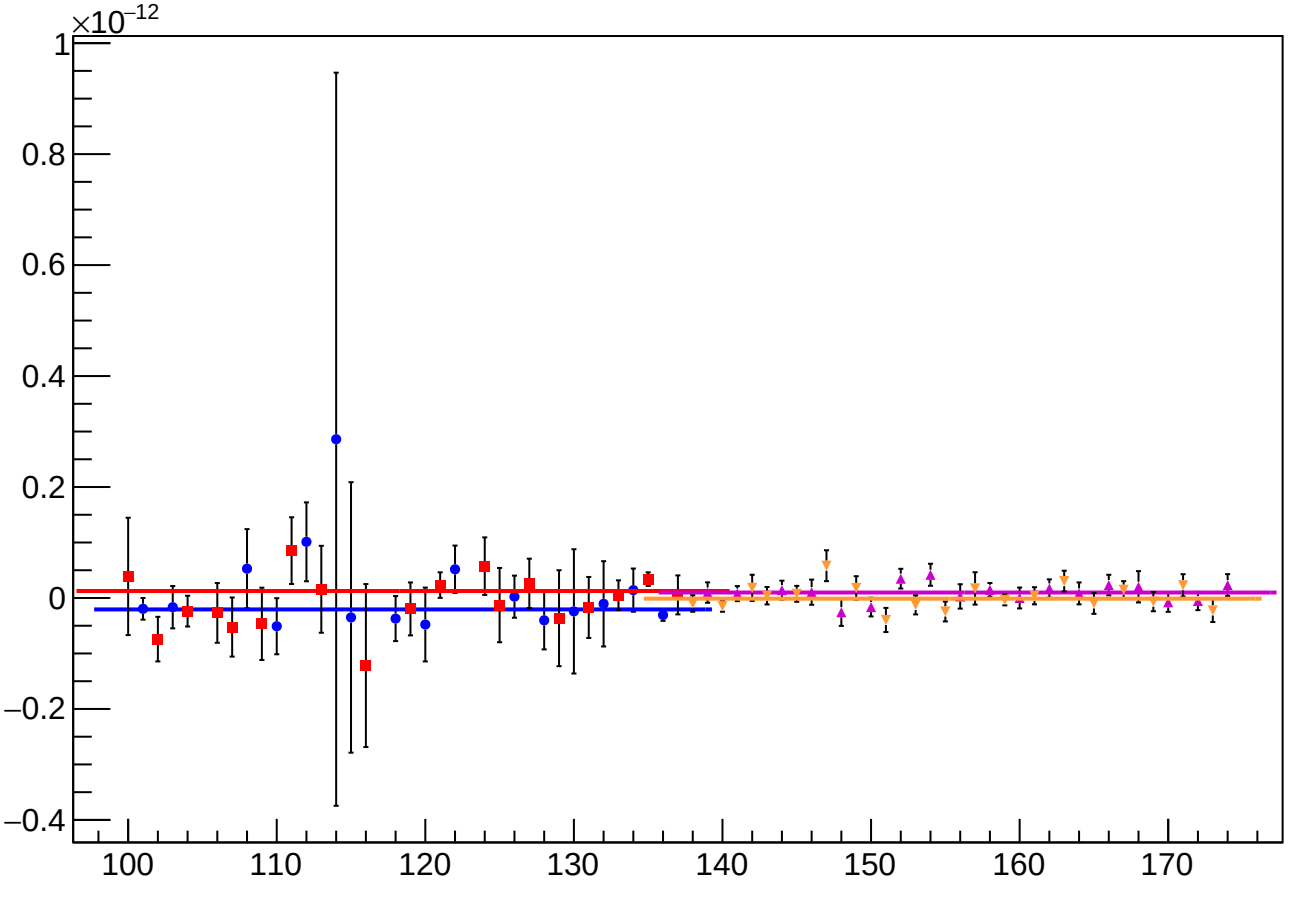
Left: 647.210+/-0.085 χ^2/NDF: 734248.4/36

Right: 676.091+/-0.128 χ^2/NDF: 1532404.9/34

In: 657.540+/-0.101 χ^2/NDF:1215196.3/33

Out: 654.399+/-0.099 χ^2/NDF:1086290.1/37

All: 655.947+/-0.071 χ^2/NDF: 2301981.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 10.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.9/17

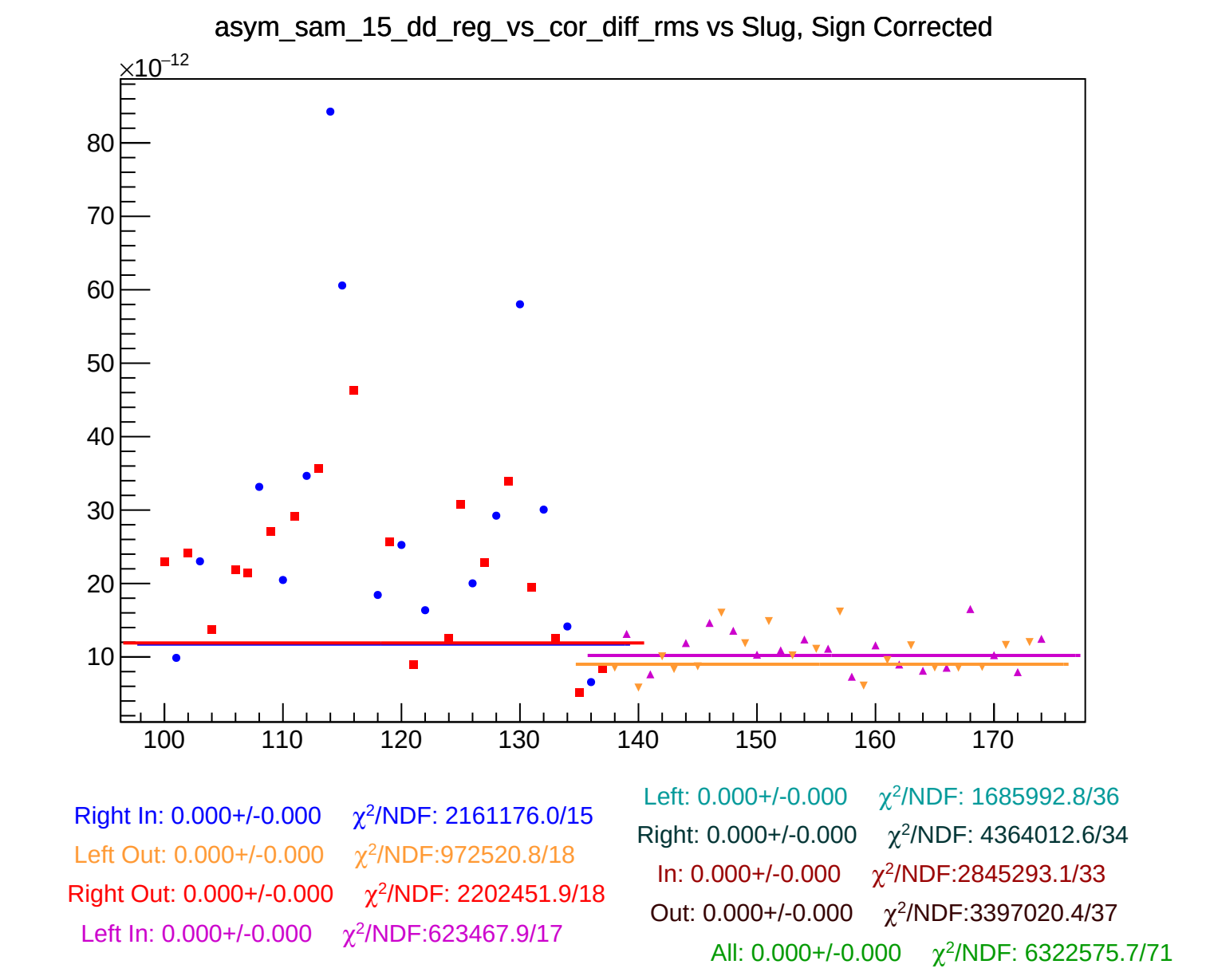
Left: 0.000+/-0.000 χ^2/NDF: 37.9/36

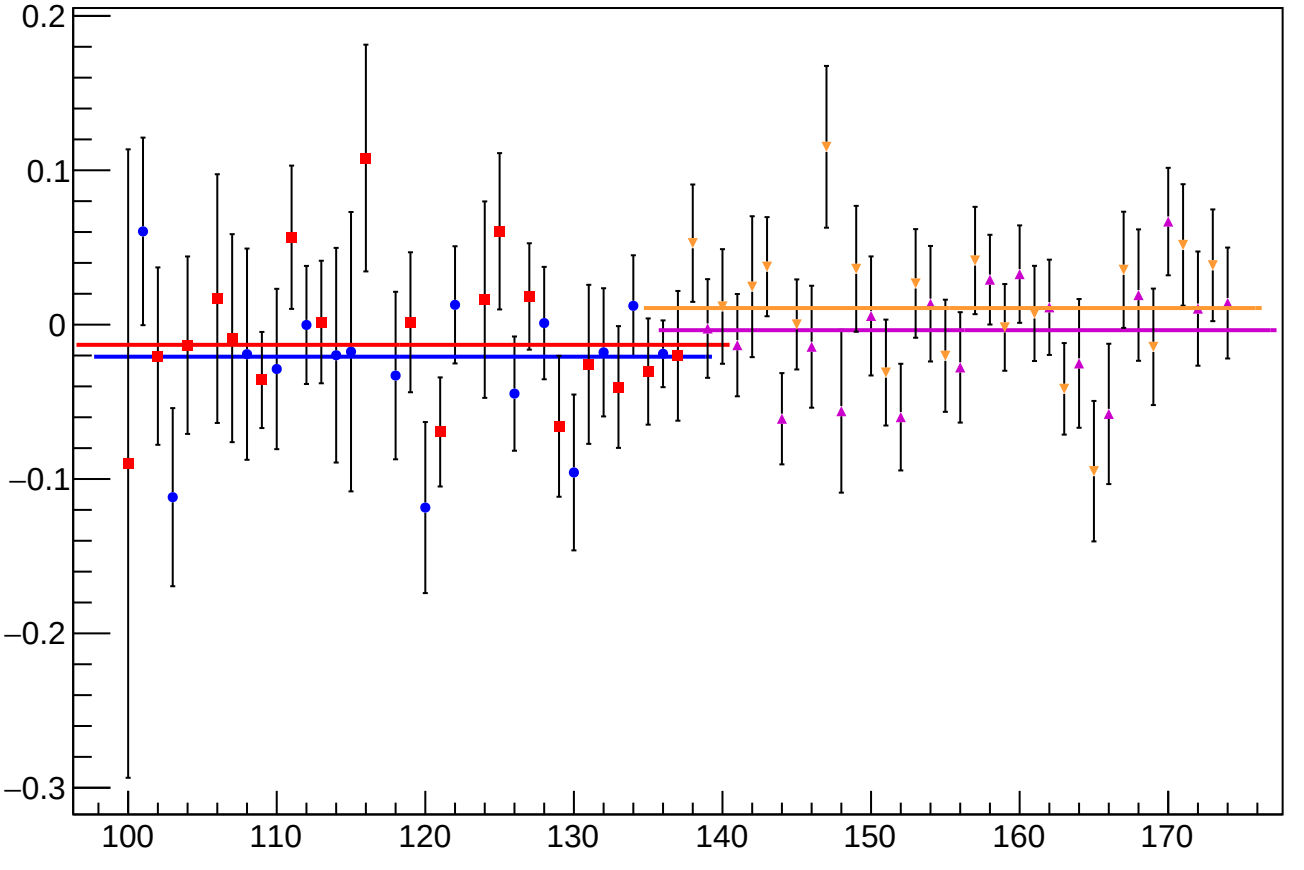
Right: -0.000+/-0.000 χ^2/NDF: 36.0/34

In: 0.000+/-0.000 χ^2/NDF:34.6/33

Out: 0.000+/-0.000 χ^2/NDF:40.8/37

All: 0.000+/-0.000 χ^2/NDF: 75.5/71


asym_sam_15_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2161176.0/15
Left Out: 0.000+/-0.000 χ²/NDF:972520.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 2202451.9/18
Left In: 0.000+/-0.000 χ²/NDF:623467.9/17
Left: 0.000+/-0.000 χ²/NDF: 1685992.8/36
Right: 0.000+/-0.000 χ²/NDF: 4364012.6/34
In: 0.000+/-0.000 χ²/NDF:2845293.1/33
Out: 0.000+/-0.000 χ²/NDF:3397020.4/37
All: 0.000+/-0.000 χ²/NDF: 6322575.7/71



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

Left: 0.004+/-0.006 χ^2/NDF: 40.0/36

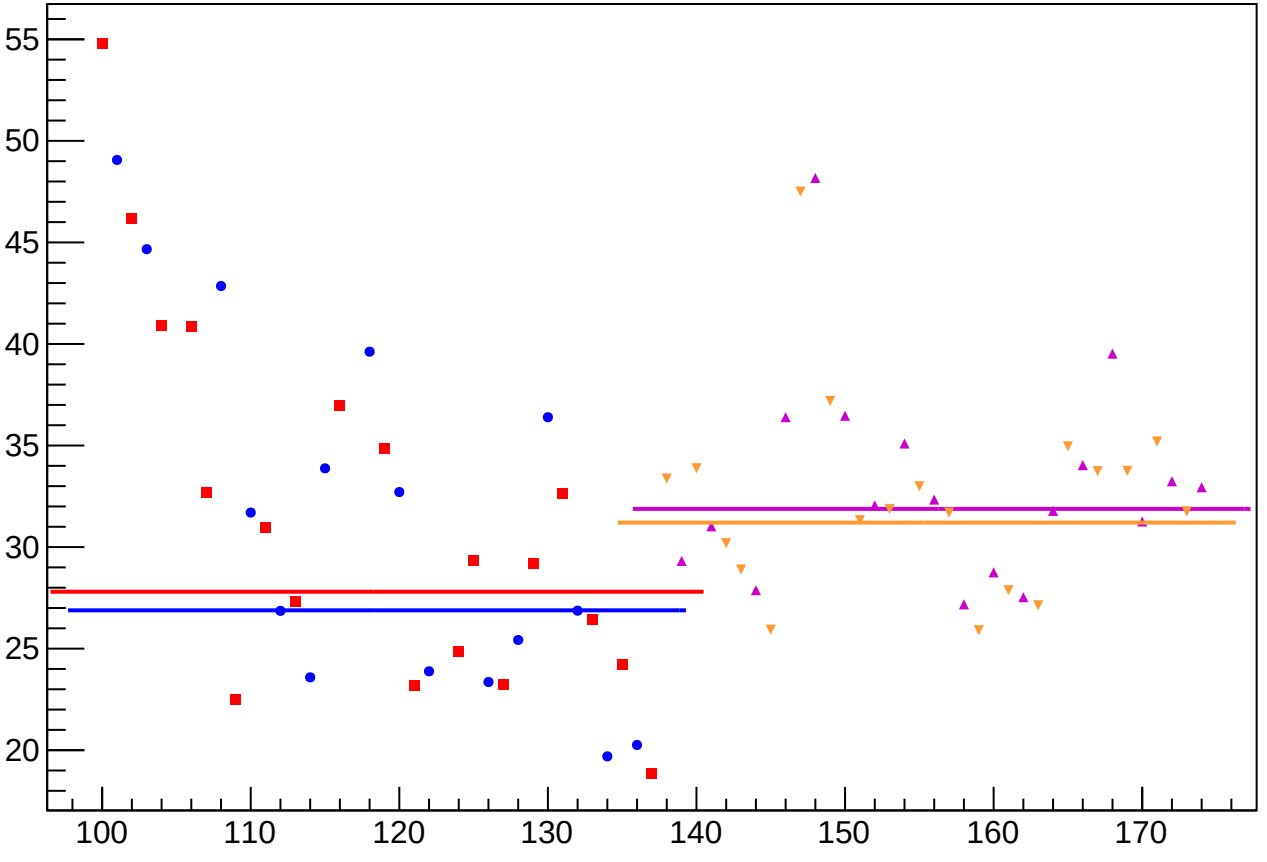
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.5/71

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: 31.206+/-0.006 χ^2/NDF:521177.4/18

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.881+/-0.006 χ^2/NDF:496630.1/17

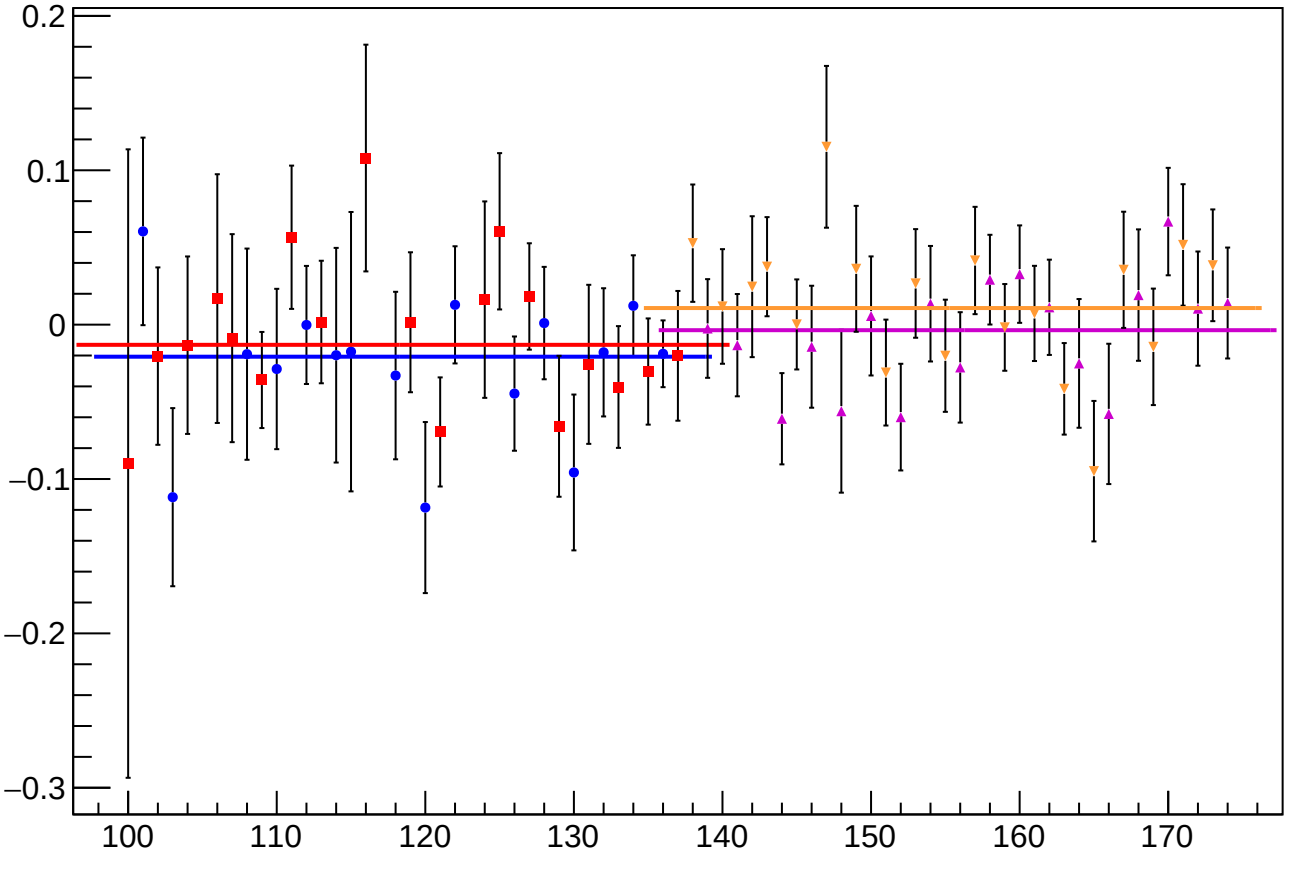
Left: 31.534+/-0.004 χ^2/NDF: 1024467.6/36

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.938+/-0.005 χ^2/NDF:1893218.0/33

Out: 29.930+/-0.005 χ^2/NDF:1414631.1/37

All: 29.934+/-0.003 χ^2/NDF: 3307850.6/71



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

Left: 0.004+/-0.006 χ^2/NDF: 40.0/36

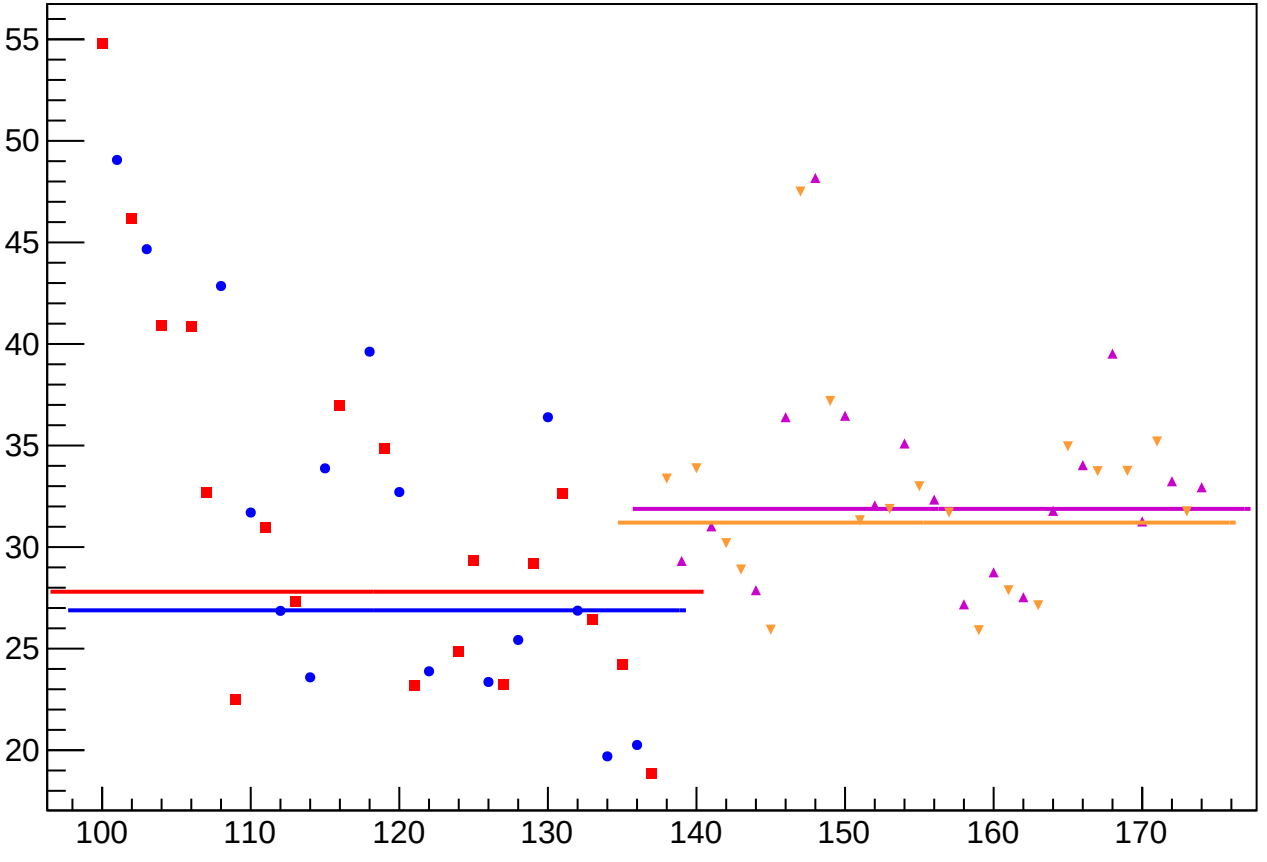
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.5/71

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.886+/-0.007 χ^2/NDF: 1120557.7/15

Left Out: 31.206+/-0.006 χ^2/NDF:521177.4/18

Right Out: 27.802+/-0.007 χ^2/NDF: 763106.1/18

Left In: 31.881+/-0.006 χ^2/NDF:496630.1/17

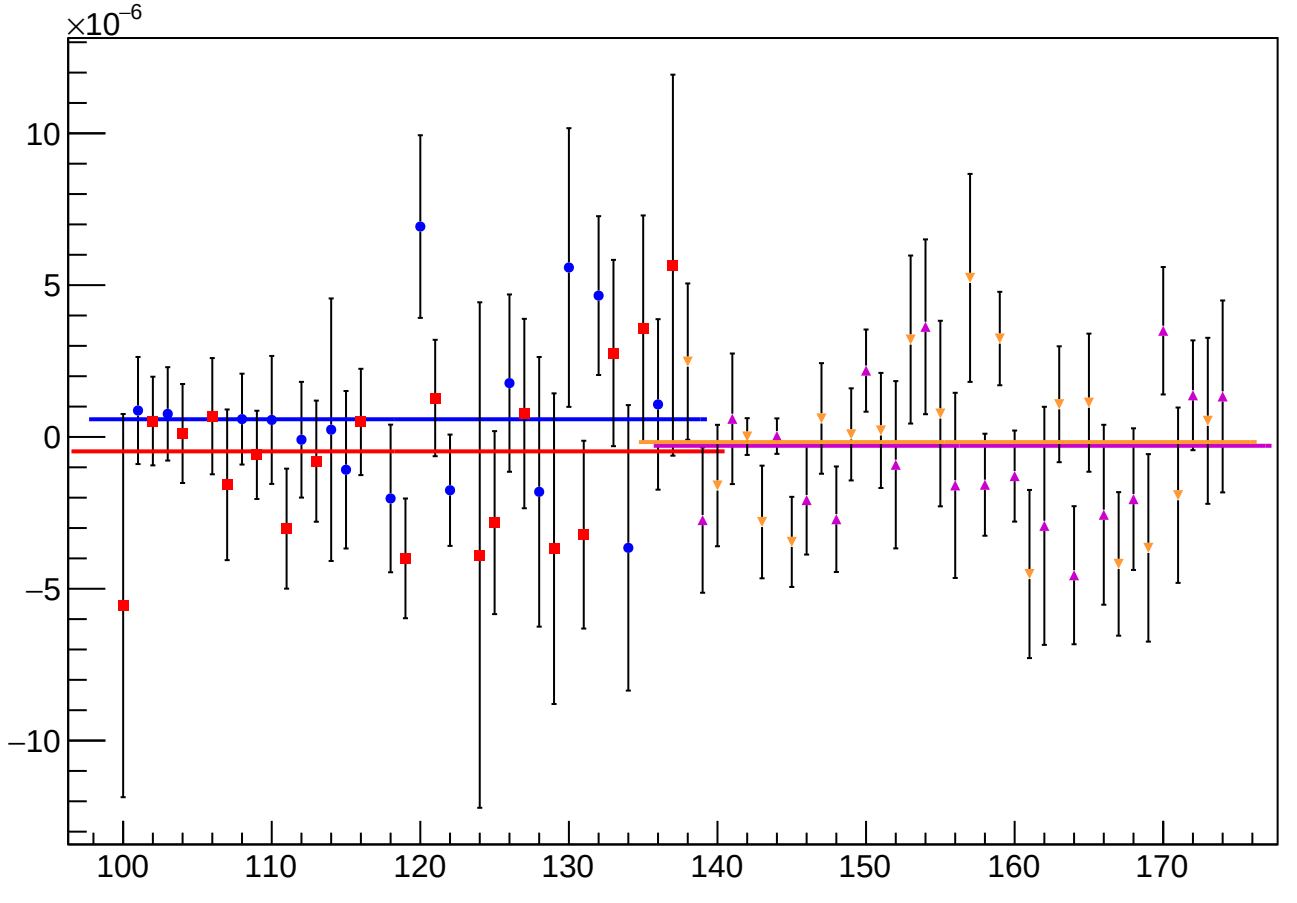
Left: 31.534+/-0.004 χ^2/NDF: 1024467.6/36

Right: 27.342+/-0.005 χ^2/NDF: 1891228.7/34

In: 29.938+/-0.005 χ^2/NDF:1893218.0/33

Out: 29.930+/-0.005 χ^2/NDF:1414631.1/37

All: 29.934+/-0.003 χ^2/NDF: 3307850.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 12.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:25.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.2/18

Left In: -0.000+/-0.000 χ^2/NDF:20.4/17

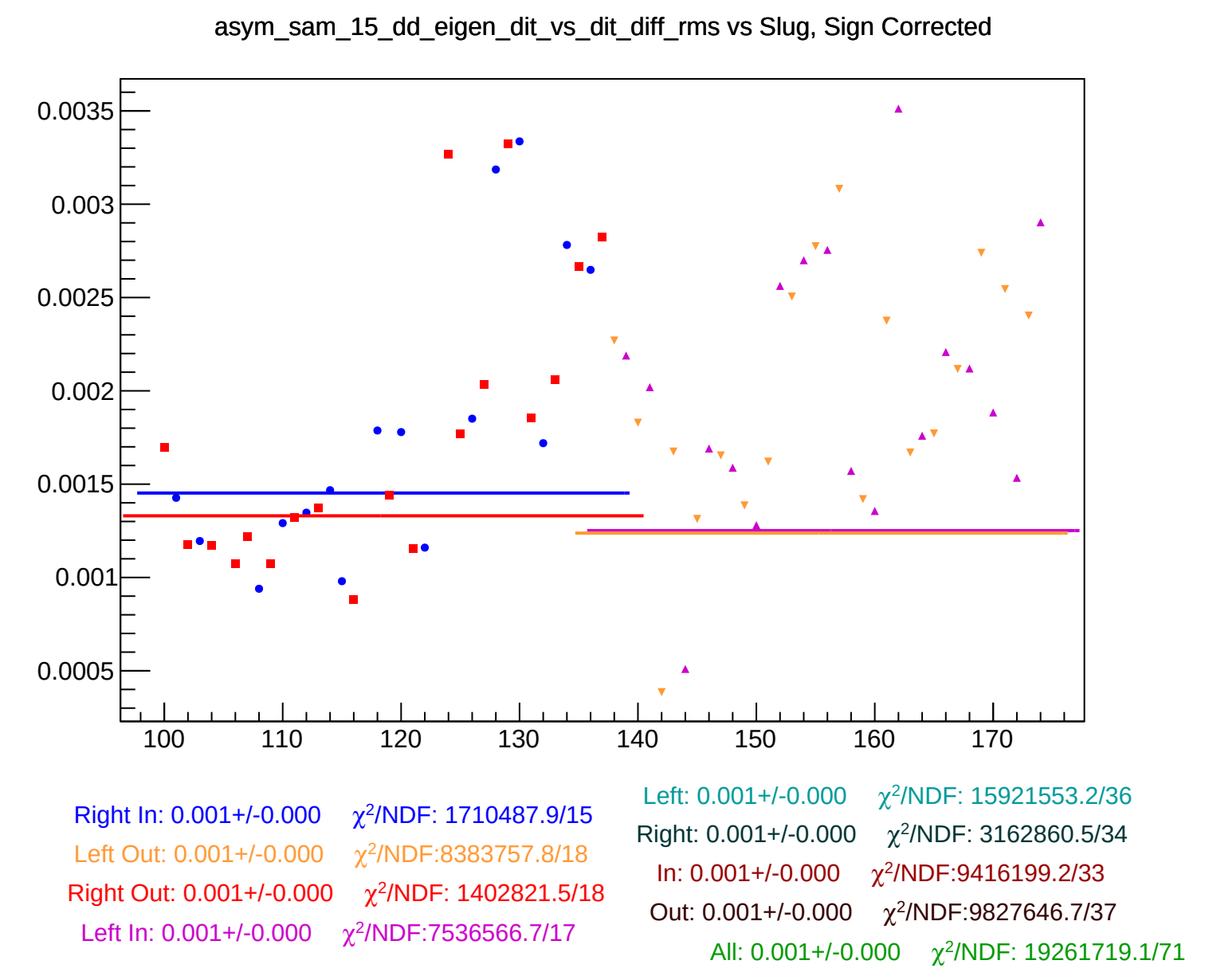
Left: -0.000+/-0.000 χ^2/NDF: 46.1/36

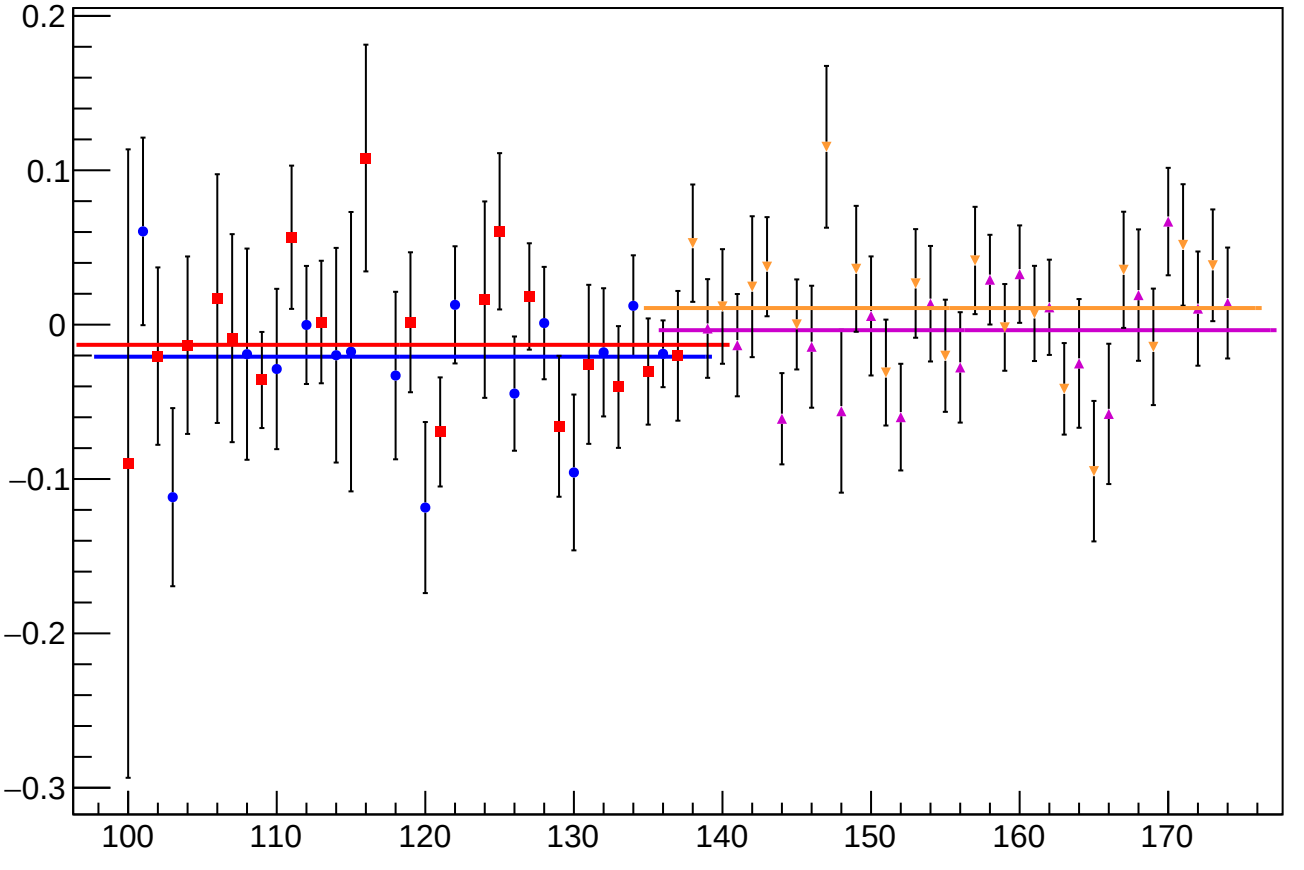
Right: -0.000+/-0.000 χ^2/NDF: 27.8/34

In: -0.000+/-0.000 χ^2/NDF:34.7/33

Out: -0.000+/-0.000 χ^2/NDF:39.0/37

All: -0.000+/-0.000 χ^2/NDF: 74.1/71


asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 1710487.9/15
Left Out: 0.001+/-0.000 χ²/NDF:8383757.8/18
Right Out: 0.001+/-0.000 χ²/NDF: 1402821.5/18
Left In: 0.001+/-0.000 χ²/NDF:7536566.7/17
Left: 0.001+/-0.000 χ²/NDF: 15921553.2/36
Right: 0.001+/-0.000 χ²/NDF: 3162860.5/34
In: 0.001+/-0.000 χ²/NDF:9416199.2/33
Out: 0.001+/-0.000 χ²/NDF:9827646.7/37
All: 0.001+/-0.000 χ²/NDF: 19261719.1/71



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

Left: 0.004+/-0.006 χ^2/NDF: 40.0/36

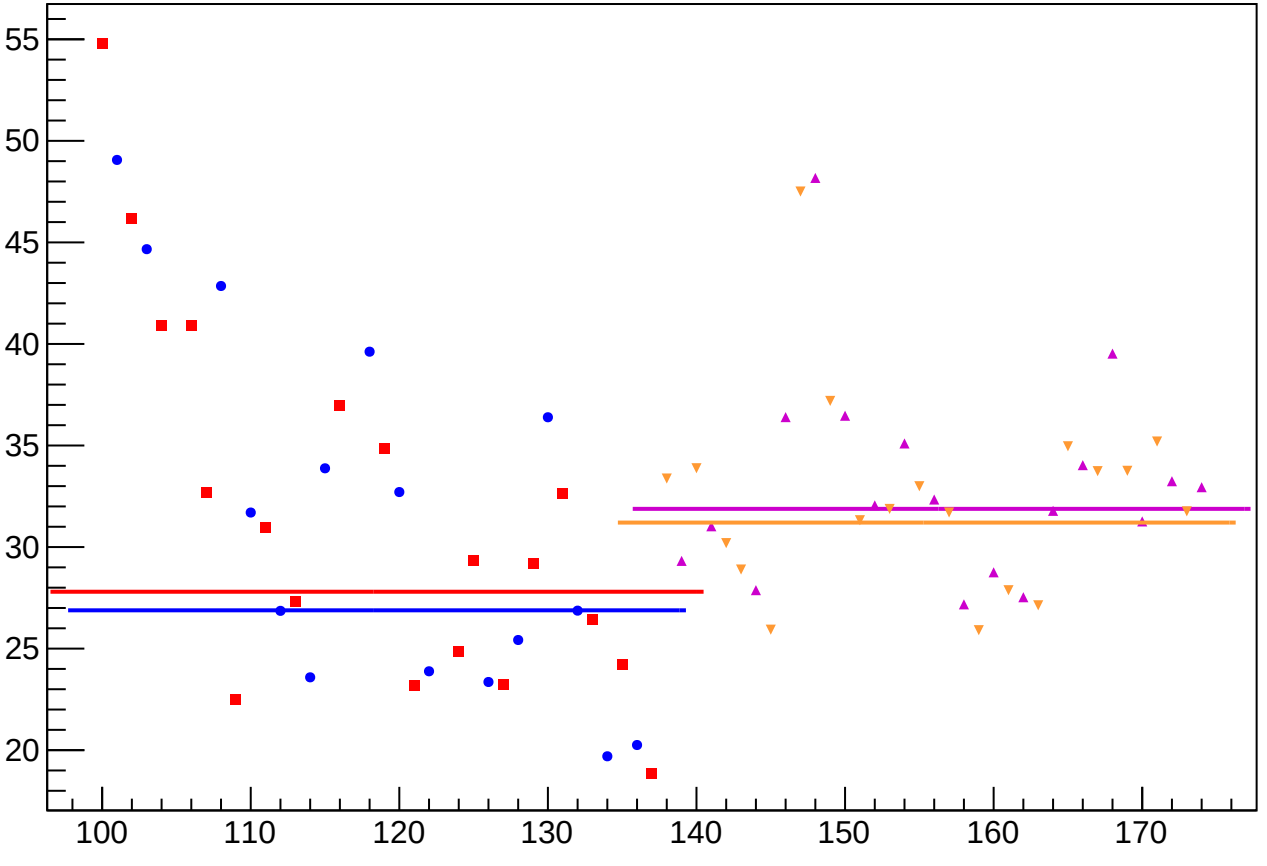
Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.5/71

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.205+/-0.006 χ^2/NDF:521300.1/18

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

Left: 31.534+/-0.004 χ^2/NDF: 1024697.6/36

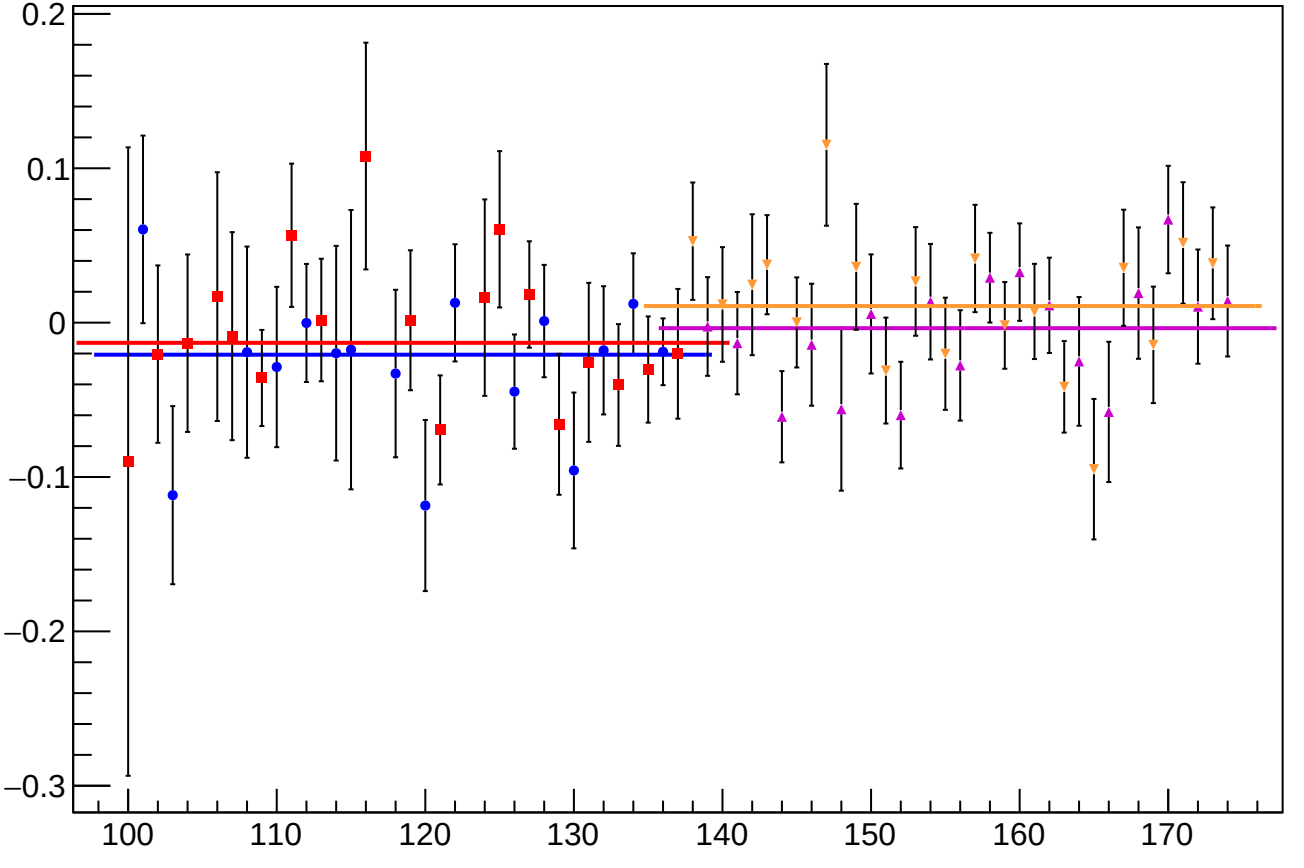
Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.937+/-0.005 χ^2/NDF:1893445.8/33

Out: 29.929+/-0.005 χ^2/NDF:1414968.1/37

All: 29.933+/-0.003 χ^2/NDF: 3308415.4/71

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.011 χ^2/NDF: 12.5/15

Left Out: 0.011+/-0.008 χ^2/NDF:21.0/18

Right Out: -0.013+/-0.011 χ^2/NDF: 13.9/18

Left In: -0.004+/-0.008 χ^2/NDF:17.6/17

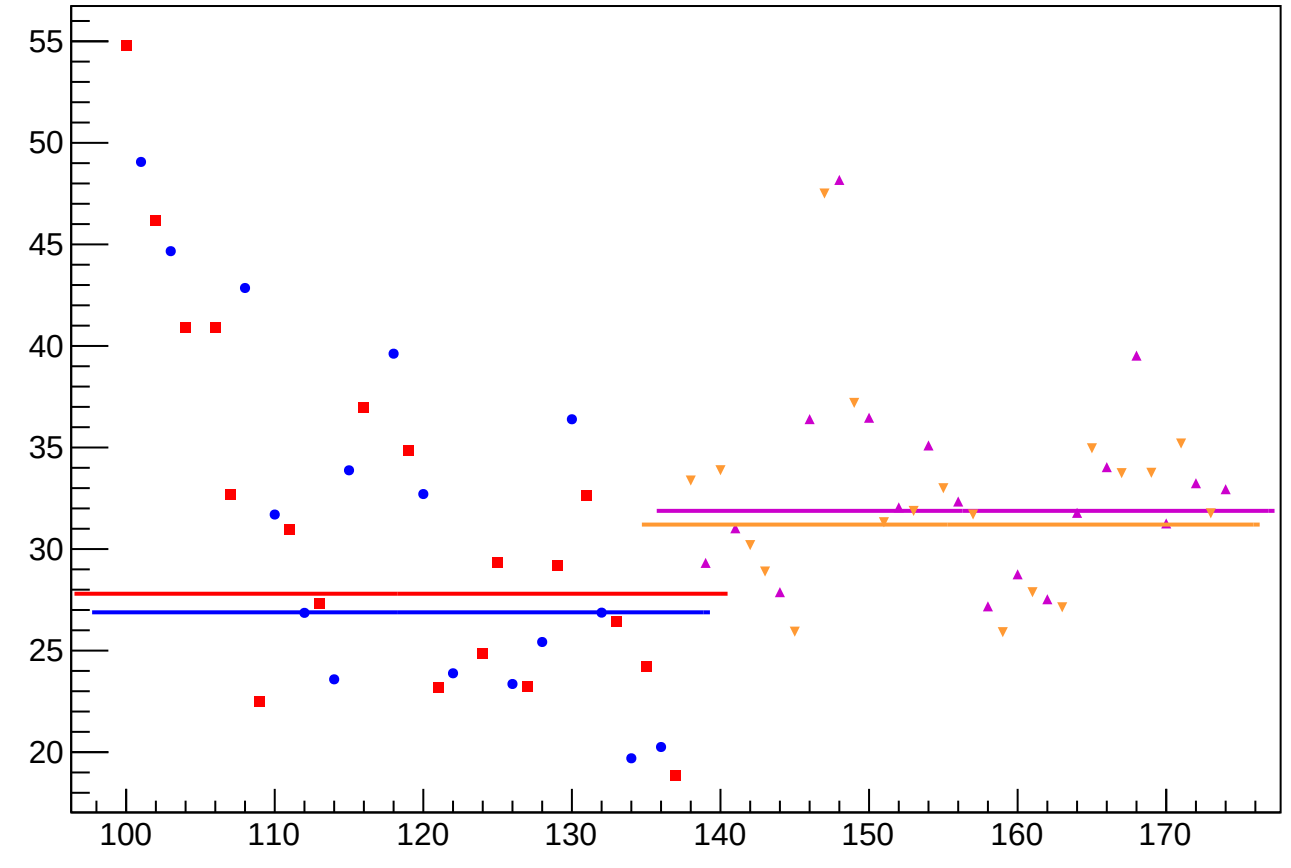
Left: 0.004+/-0.006 χ^2/NDF: 40.0/36

Right: -0.017+/-0.007 χ^2/NDF: 26.7/34

In: -0.010+/-0.007 χ^2/NDF:31.7/33

Out: 0.002+/-0.006 χ^2/NDF:38.1/37

All: -0.004+/-0.005 χ^2/NDF: 71.5/71



Right In: 26.885+/-0.007 χ^2/NDF: 1120567.7/15

Left Out: 31.205+/-0.006 χ^2/NDF:521300.1/18

Right Out: 27.800+/-0.007 χ^2/NDF: 763213.5/18

Left In: 31.881+/-0.006 χ^2/NDF:496735.3/17

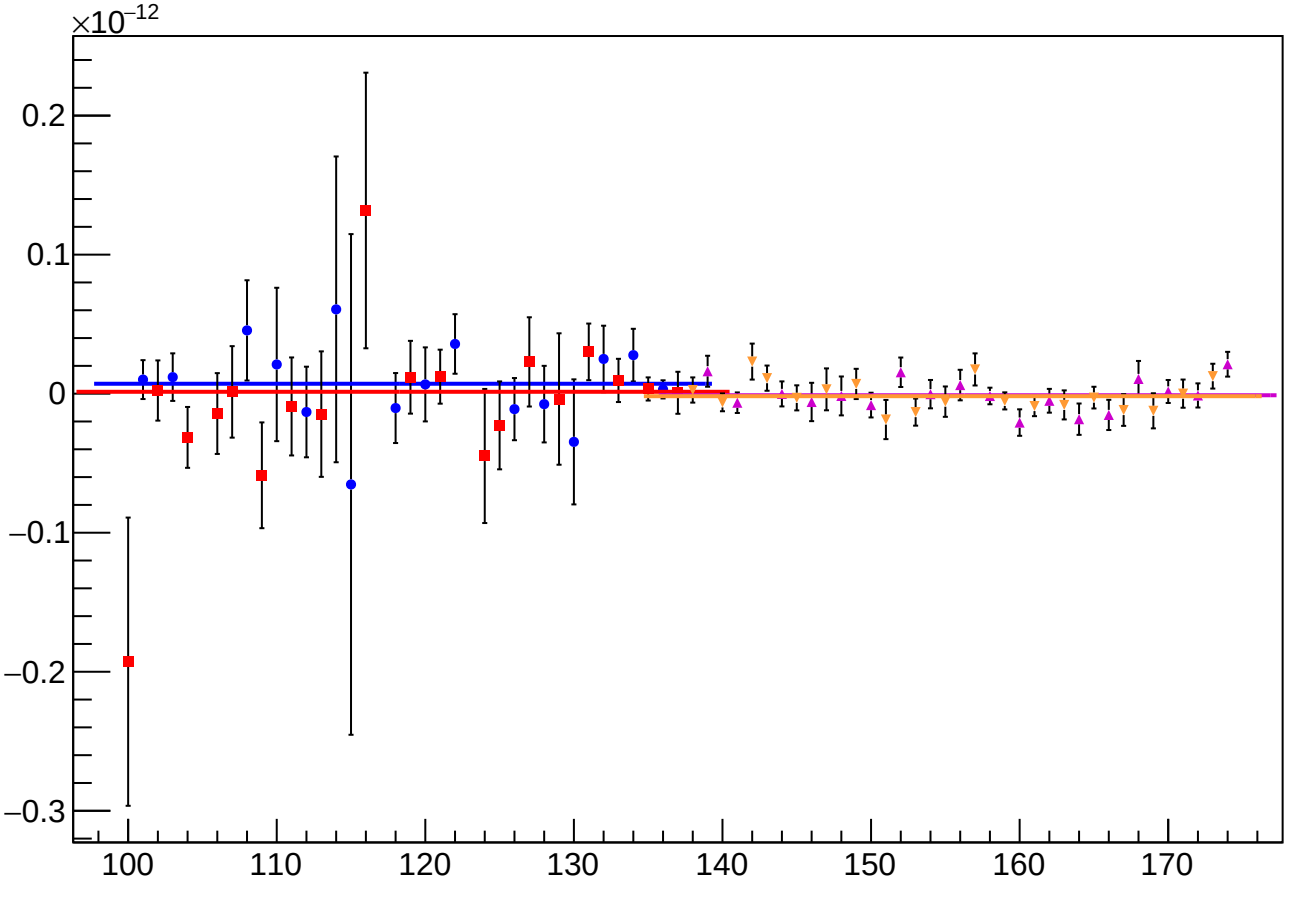
Left: 31.534+/-0.004 χ^2/NDF: 1024697.6/36

Right: 27.341+/-0.005 χ^2/NDF: 1891338.8/34

In: 29.937+/-0.005 χ^2/NDF:1893445.8/33

Out: 29.929+/-0.005 χ^2/NDF:1414968.1/37

All: 29.933+/-0.003 χ^2/NDF: 3308415.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 8.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:18.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:22.3/17

Left: -0.000+/-0.000 χ^2/NDF: 41.0/36

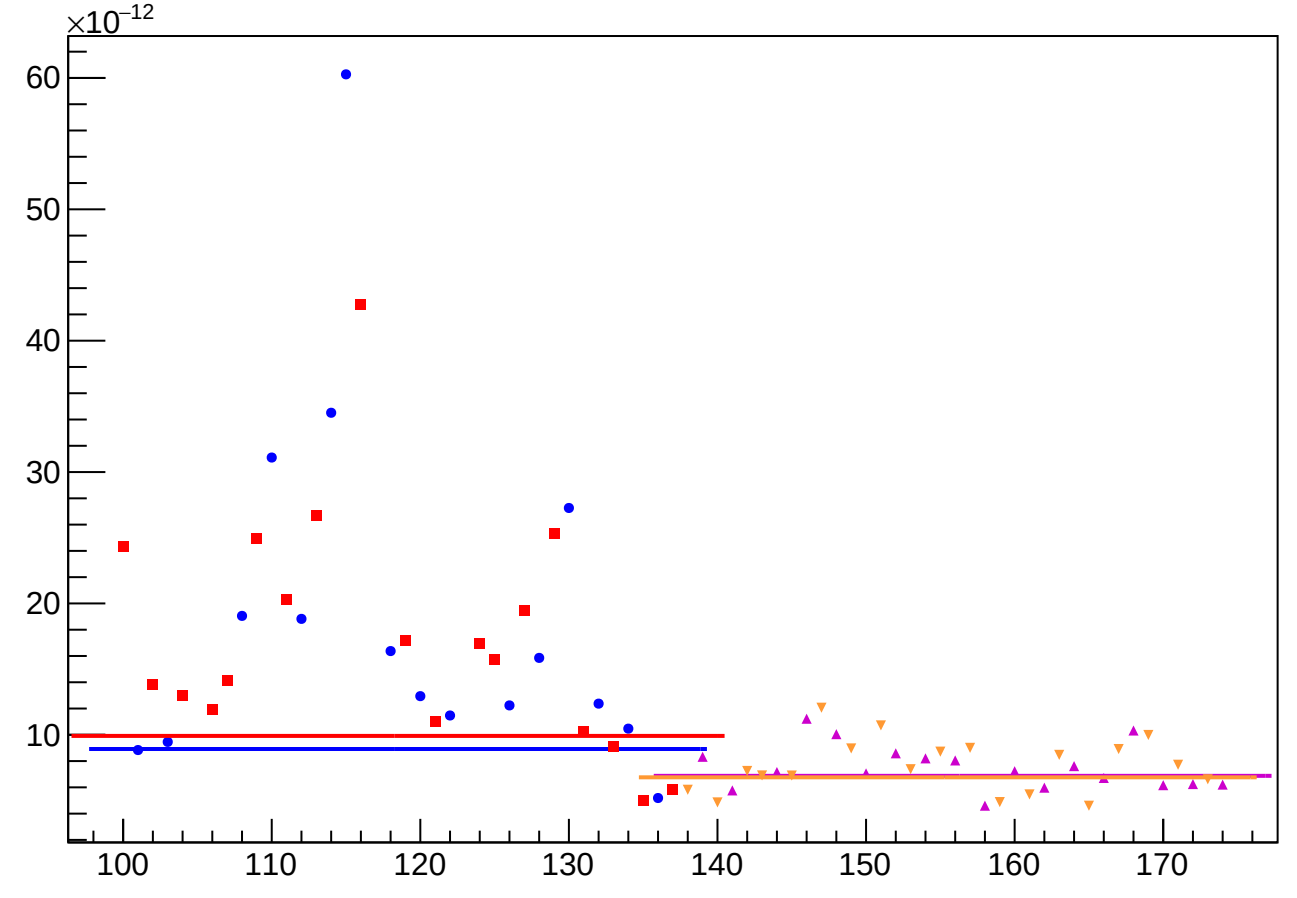
Right: 0.000+/-0.000 χ^2/NDF: 24.3/34

In: 0.000+/-0.000 χ^2/NDF:33.2/33

Out: -0.000+/-0.000 χ^2/NDF:34.3/37

All: -0.000+/-0.000 χ^2/NDF: 67.9/71

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2402804.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:1516107.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2669812.1/18

Left In: 0.000+/-0.000 χ^2/NDF:995549.0/17

Left: 0.000+/-0.000 χ^2/NDF: 2514357.9/36

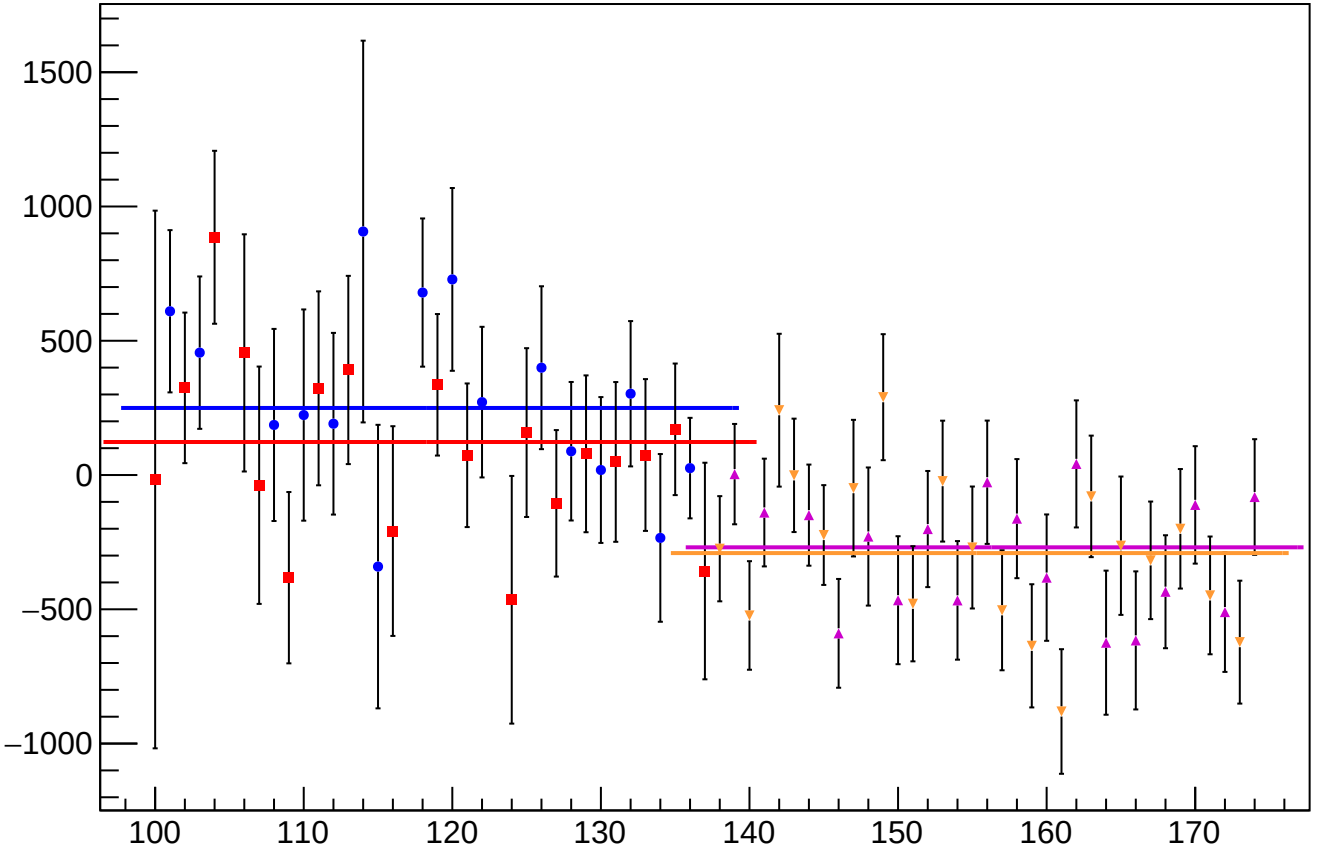
Right: 0.000+/-0.000 χ^2/NDF: 5116378.6/34

In: 0.000+/-0.000 χ^2/NDF:3721235.7/33

Out: 0.000+/-0.000 χ^2/NDF:4870030.0/37

All: 0.000+/-0.000 χ^2/NDF: 8591268.9/71

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 249.761+/-74.877 χ^2/NDF: 13.8/15

Left Out: -290.659+/-51.168 χ^2/NDF:29.4/18

Right Out: 122.993+/-74.370 χ^2/NDF: 15.6/18

Left In: -269.222+/-51.976 χ^2/NDF:17.0/17

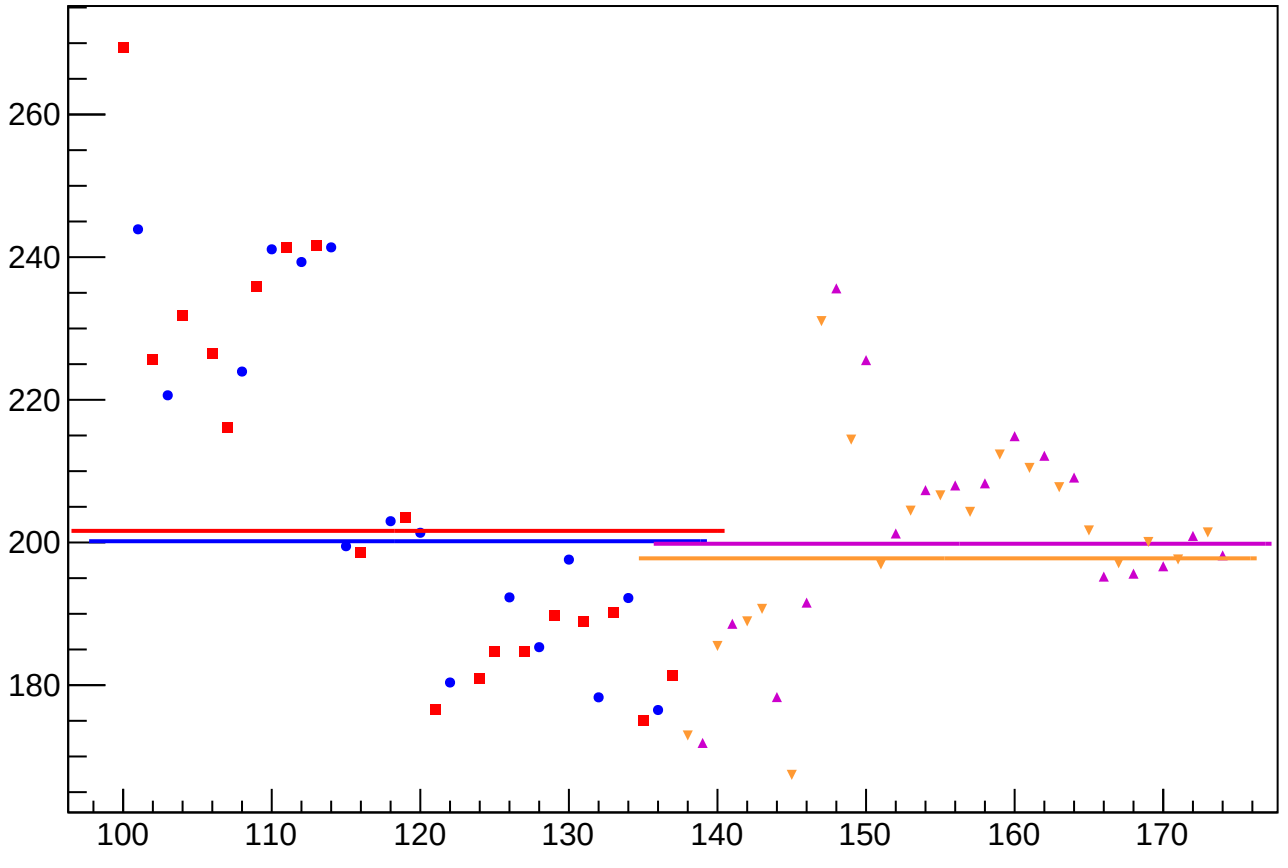
Left: -280.108+/-36.463 χ^2/NDF: 46.5/36

Right: 185.946+/-52.766 χ^2/NDF: 30.8/34

In: -100.468+/-42.697 χ^2/NDF:63.2/33

Out: -157.760+/-42.154 χ^2/NDF:65.9/37

All: -129.481+/-29.998 χ^2/NDF: 130.0/71



Right In: 200.177+/-0.053 χ^2/NDF: 181001.3/15

Left Out: 197.777+/-0.036 χ^2/NDF:166961.8/18

Right Out: 201.627+/-0.053 χ^2/NDF: 197245.7/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

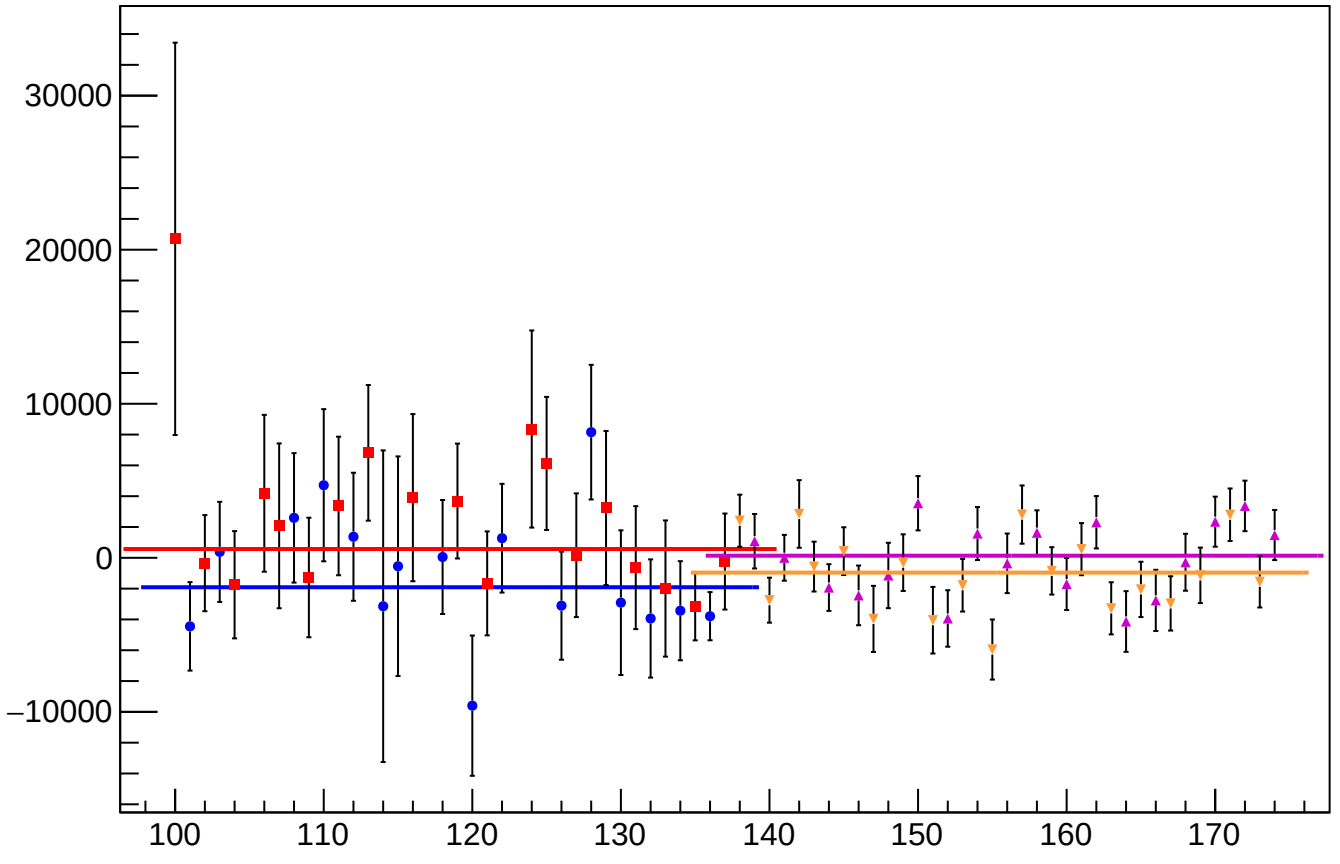
Left: 198.784+/-0.026 χ^2/NDF: 336864.0/36

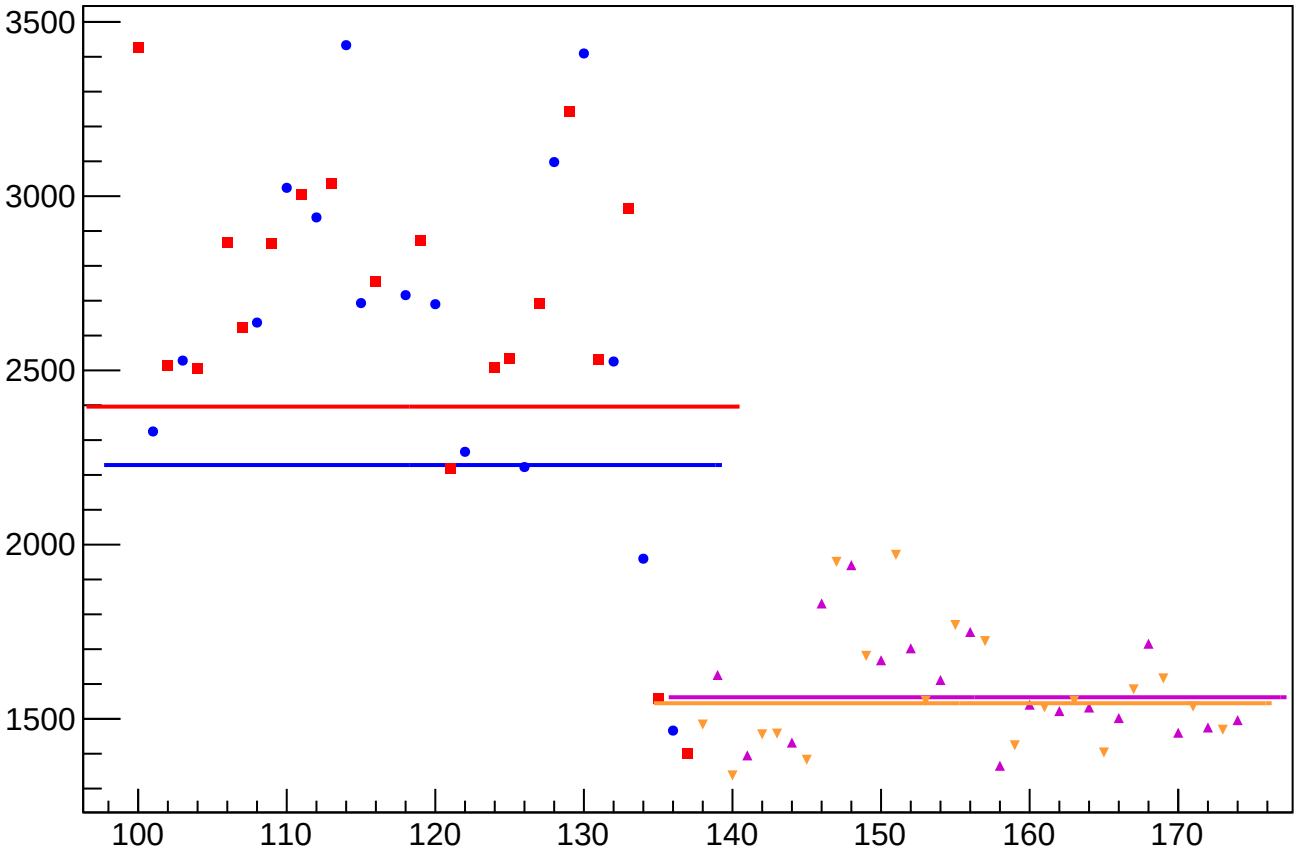
Right: 200.907+/-0.037 χ^2/NDF: 378624.7/34

In: 199.937+/-0.030 χ^2/NDF:349361.3/33

Out: 199.014+/-0.030 χ^2/NDF:367845.6/37

All: 199.470+/-0.021 χ^2/NDF: 717680.7/71


asym_sam_26_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
100
110
120
130
140
150
160
170
Right In: -1910.348+/-859.088 χ²/NDF: 16.3/15
Left Out: -958.781+/-401.666 χ²/NDF:33.6/18
Right Out: 570.946+/-900.451 χ²/NDF: 14.6/18
Left In: 137.319+/-407.484 χ²/NDF:30.9/17
Left: -418.612+/-286.056 χ²/NDF: 68.1/36
Right: -728.000+/-621.575 χ²/NDF: 34.9/34
In: -238.758+/-368.168 χ²/NDF:51.8/33
Out: -704.911+/-366.825 χ²/NDF:50.6/37
All: -472.686+/-259.858 χ²/NDF: 103.2/71



Right In: 2228.431+/-0.607 χ^2/NDF: 947654.8/15

Left Out: 1544.889+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2396.080+/-0.637 χ^2/NDF: 799442.5/18

Left In: 1562.035+/-0.288 χ^2/NDF:255034.0/17

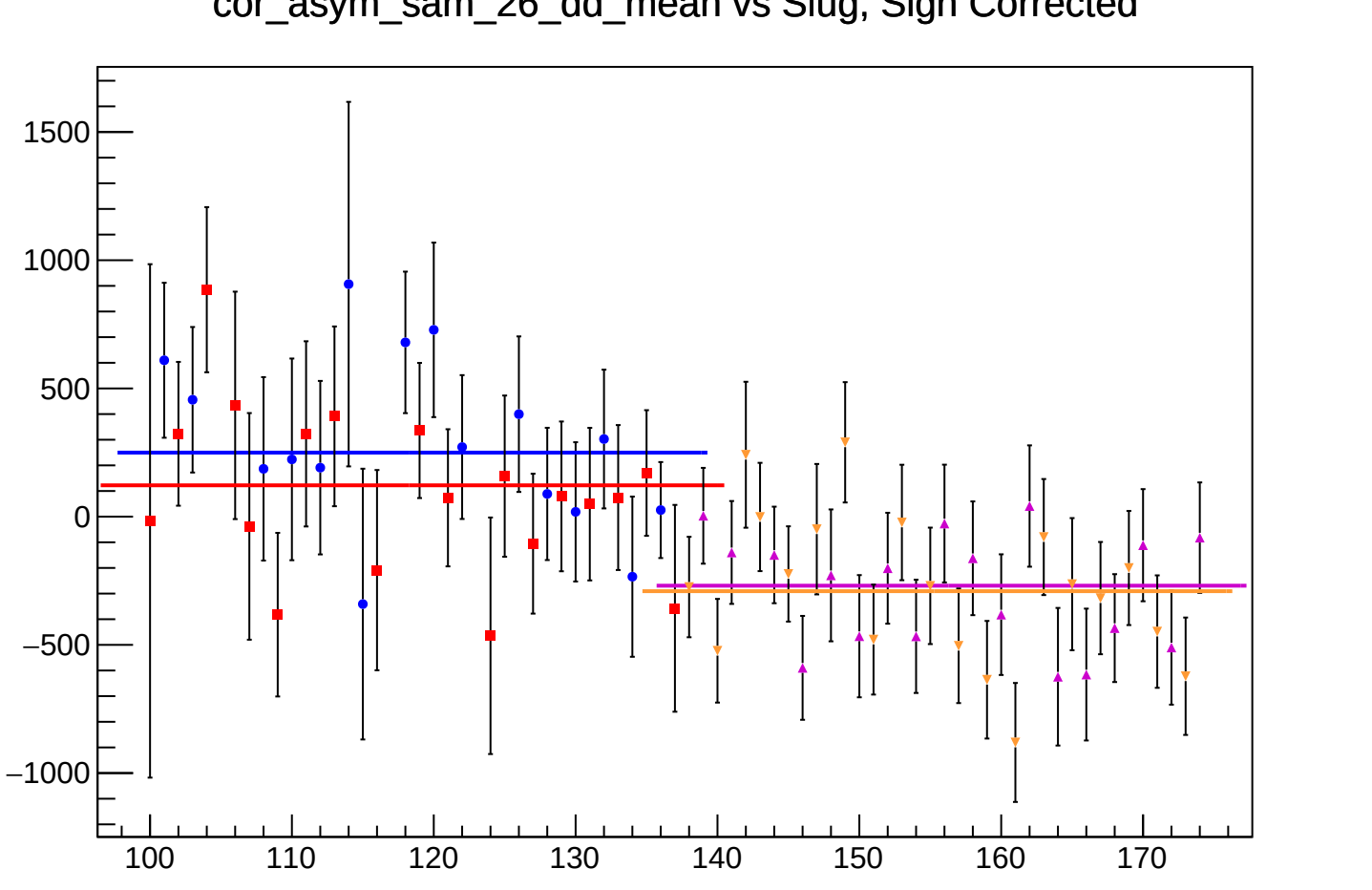
Left: 1553.339+/-0.202 χ^2/NDF: 568120.2/36

Right: 2308.317+/-0.440 χ^2/NDF: 1783390.1/34

In: 1684.426+/-0.260 χ^2/NDF:2185094.5/33

Out: 1686.151+/-0.259 χ^2/NDF:2601297.0/37

All: 1685.292+/-0.184 χ^2/NDF: 4786413.6/71



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -290.655+/-51.168 χ^2/NDF:29.4/18

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -269.225+/-51.976 χ^2/NDF:17.0/17

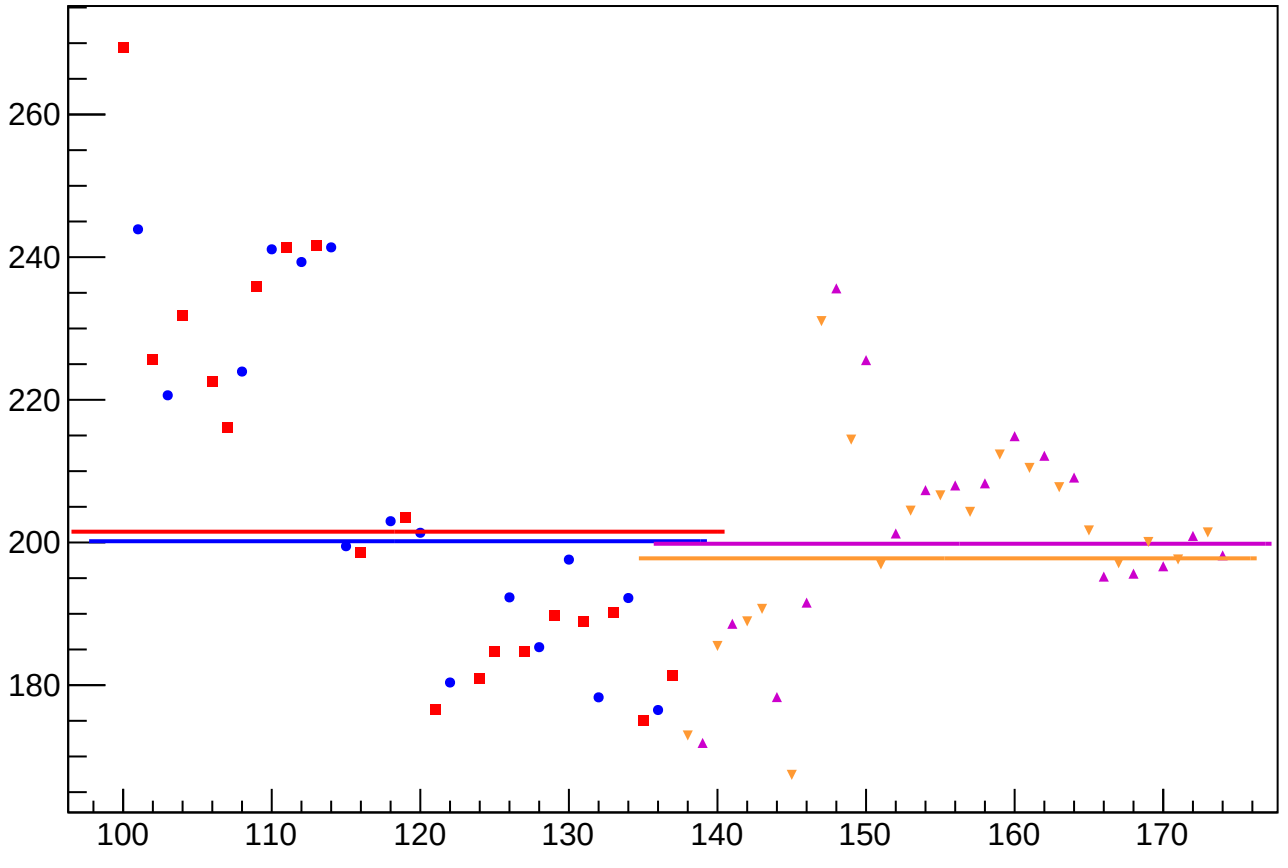
Left: -280.108+/-36.463 χ^2/NDF: 46.5/36

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -100.469+/-42.697 χ^2/NDF:63.2/33

Out: -158.034+/-42.156 χ^2/NDF:65.8/37

All: -129.619+/-29.998 χ^2/NDF: 129.9/71



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.777+/-0.036 χ^2/NDF:166961.8/18

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

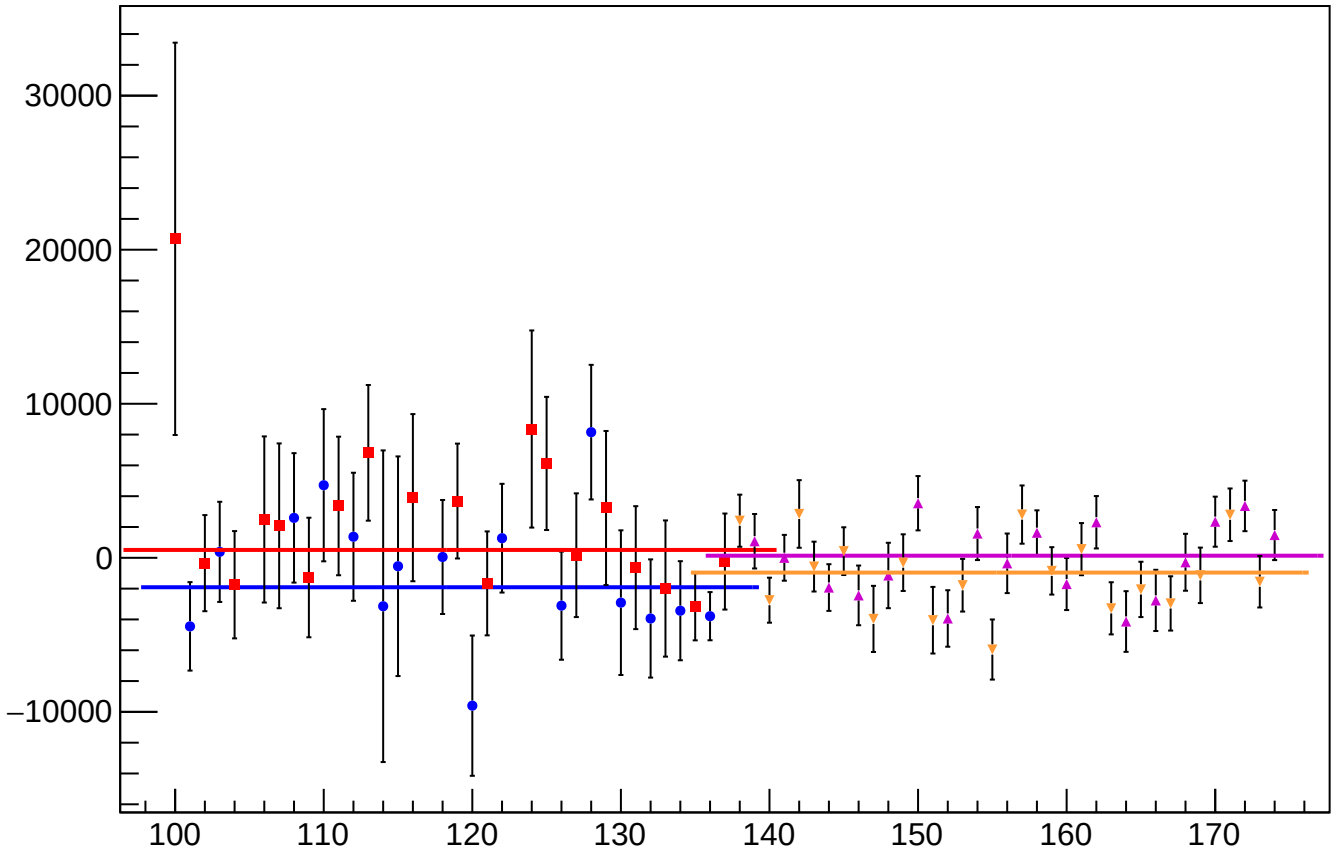
Left: 198.784+/-0.026 χ^2/NDF: 336864.0/36

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.937+/-0.030 χ^2/NDF:349361.6/33

Out: 198.977+/-0.030 χ^2/NDF:365820.4/37

All: 199.451+/-0.021 χ^2/NDF: 715694.0/71



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -958.781+/-401.666 χ^2/NDF:33.6/18

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 137.323+/-407.485 χ^2/NDF:30.9/17

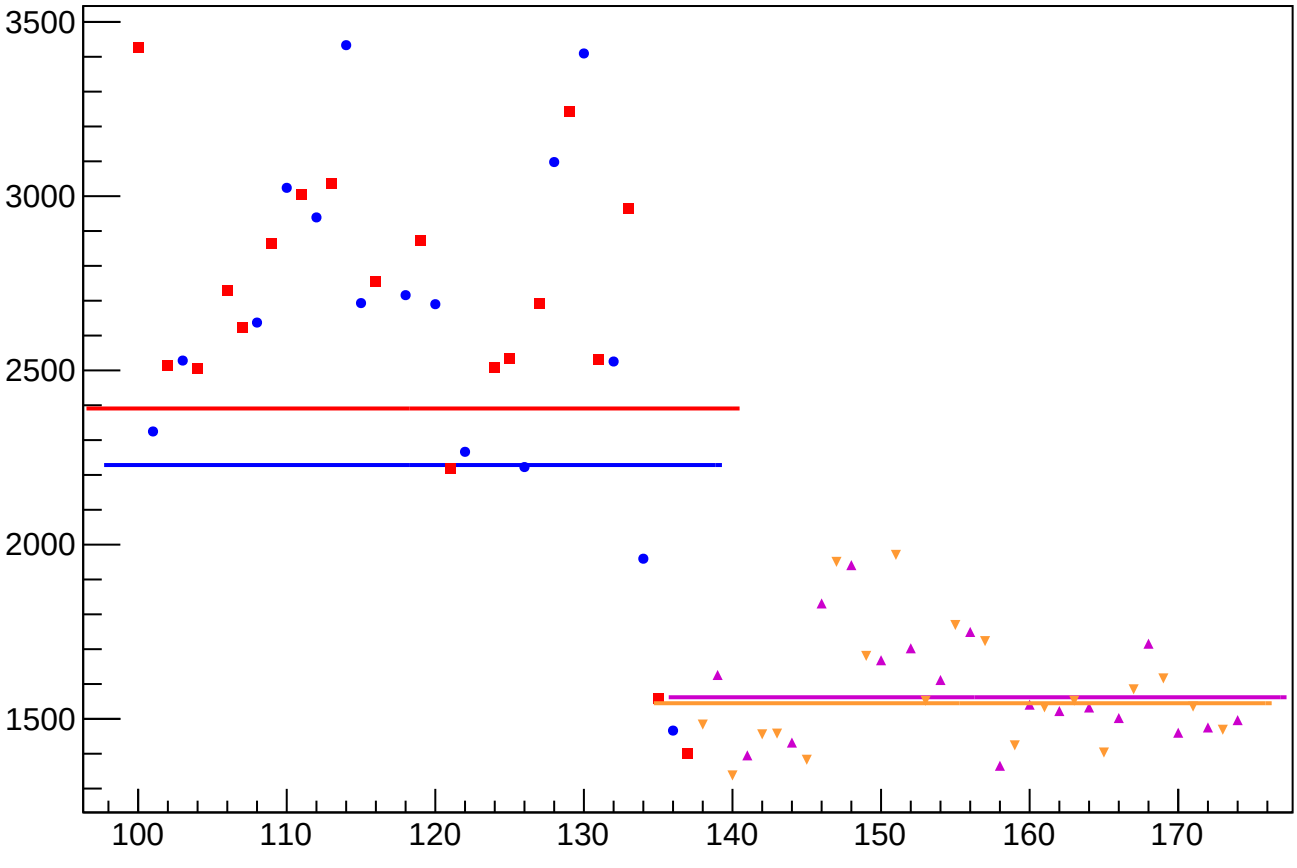
Left: -418.610+/-286.056 χ^2/NDF: 68.1/36

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -238.747+/-368.168 χ^2/NDF:51.8/33

Out: -715.518+/-366.931 χ^2/NDF:50.0/37

All: -477.935+/-259.896 χ^2/NDF: 102.6/71



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.890+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

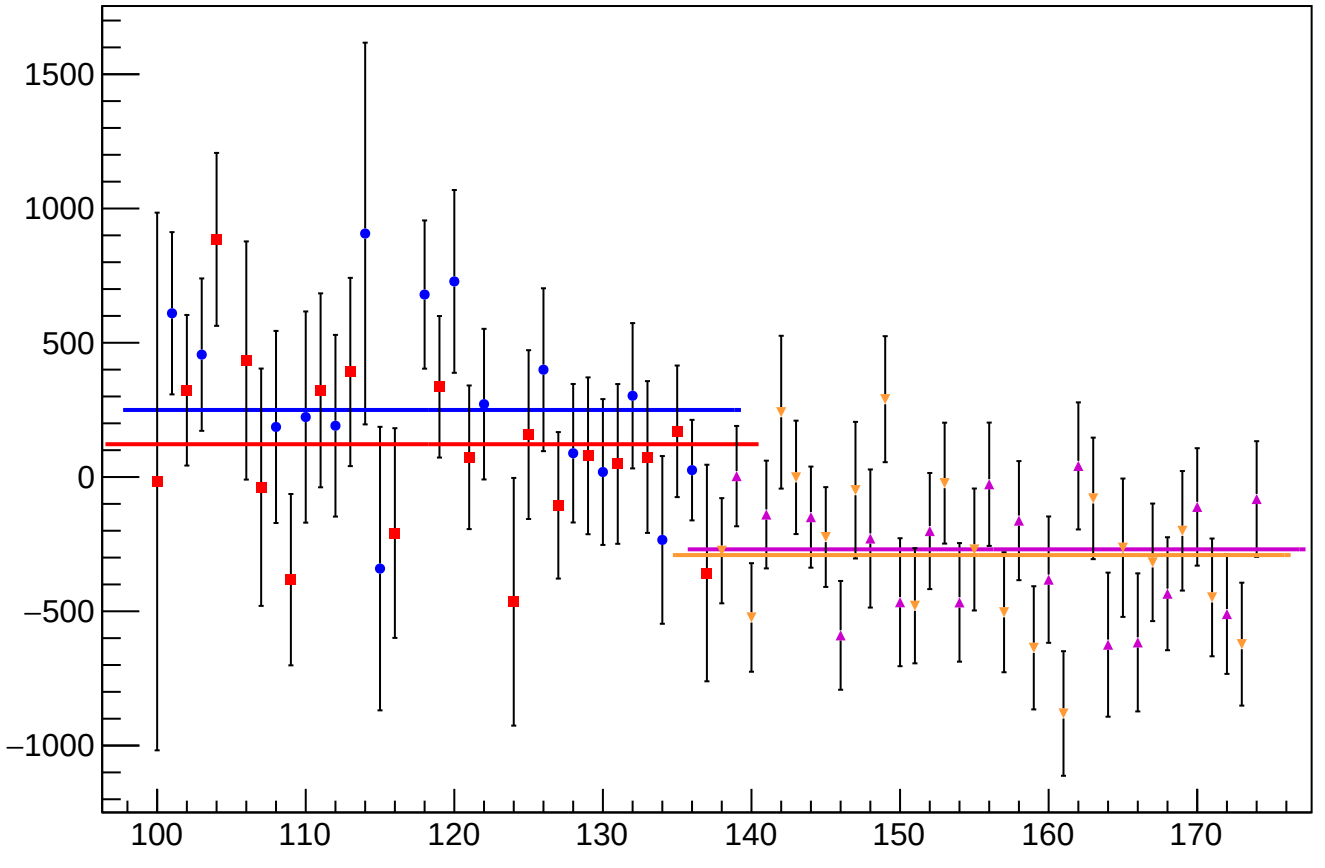
Left: 1553.339+/-0.202 χ^2/NDF: 568121.4/36

Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1684.427+/-0.260 χ^2/NDF:2185106.6/33

Out: 1684.858+/-0.259 χ^2/NDF:2568930.6/37

All: 1684.643+/-0.184 χ^2/NDF: 4754038.6/71



Right In: 249.764+/-74.877 χ^2/NDF: 13.8/15

Left Out: -290.655+/-51.168 χ^2/NDF:29.4/18

Right Out: 122.210+/-74.380 χ^2/NDF: 15.5/18

Left In: -269.225+/-51.976 χ^2/NDF:17.0/17

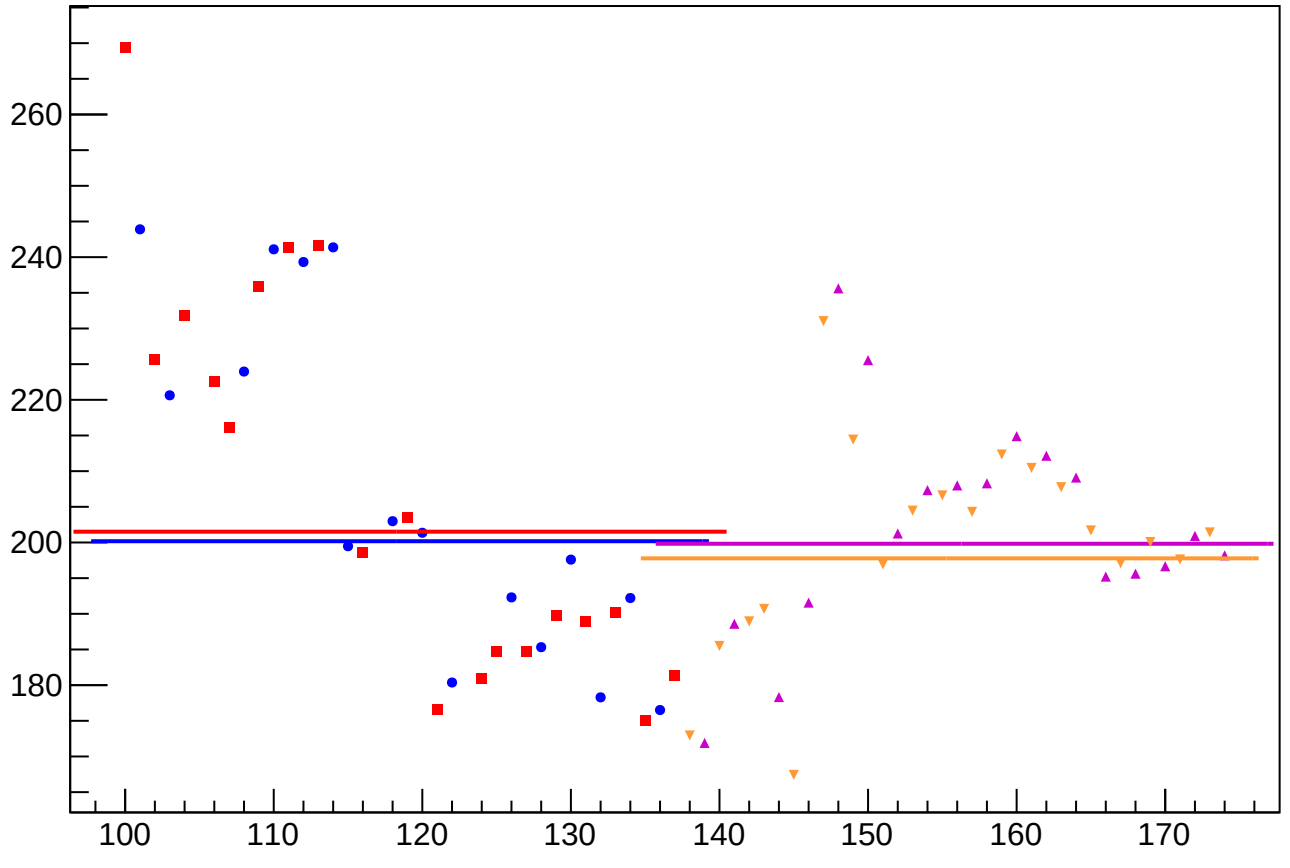
Left: -280.108+/-36.463 χ^2/NDF: 46.5/36

Right: 185.562+/-52.770 χ^2/NDF: 30.7/34

In: -100.469+/-42.697 χ^2/NDF:63.2/33

Out: -158.034+/-42.156 χ^2/NDF:65.8/37

All: -129.619+/-29.998 χ^2/NDF: 129.9/71



Right In: 200.177+/-0.053 χ^2/NDF: 181001.6/15

Left Out: 197.777+/-0.036 χ^2/NDF:166961.8/18

Right Out: 201.514+/-0.053 χ^2/NDF: 195431.2/18

Left In: 199.822+/-0.037 χ^2/NDF:168329.6/17

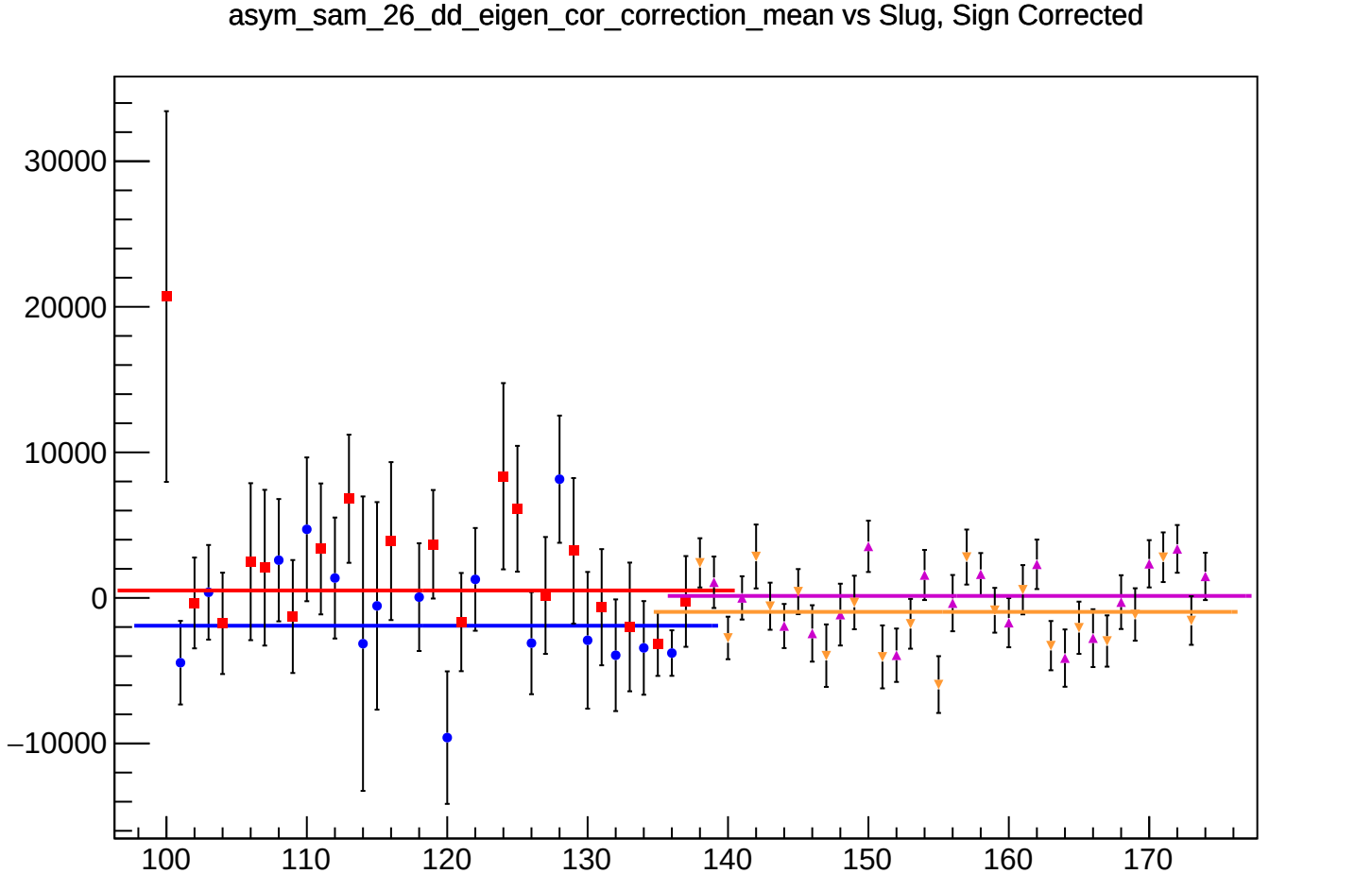
Left: 198.784+/-0.026 χ^2/NDF: 336864.0/36

Right: 200.850+/-0.037 χ^2/NDF: 376754.0/34

In: 199.937+/-0.030 χ^2/NDF:349361.6/33

Out: 198.977+/-0.030 χ^2/NDF:365820.4/37

All: 199.451+/-0.021 χ^2/NDF: 715694.0/71



Right In: -1910.310+/-859.089 χ^2/NDF: 16.3/15

Left Out: -958.781+/-401.666 χ^2/NDF:33.6/18

Right Out: 511.276+/-902.014 χ^2/NDF: 14.2/18

Left In: 137.323+/-407.485 χ^2/NDF:30.9/17

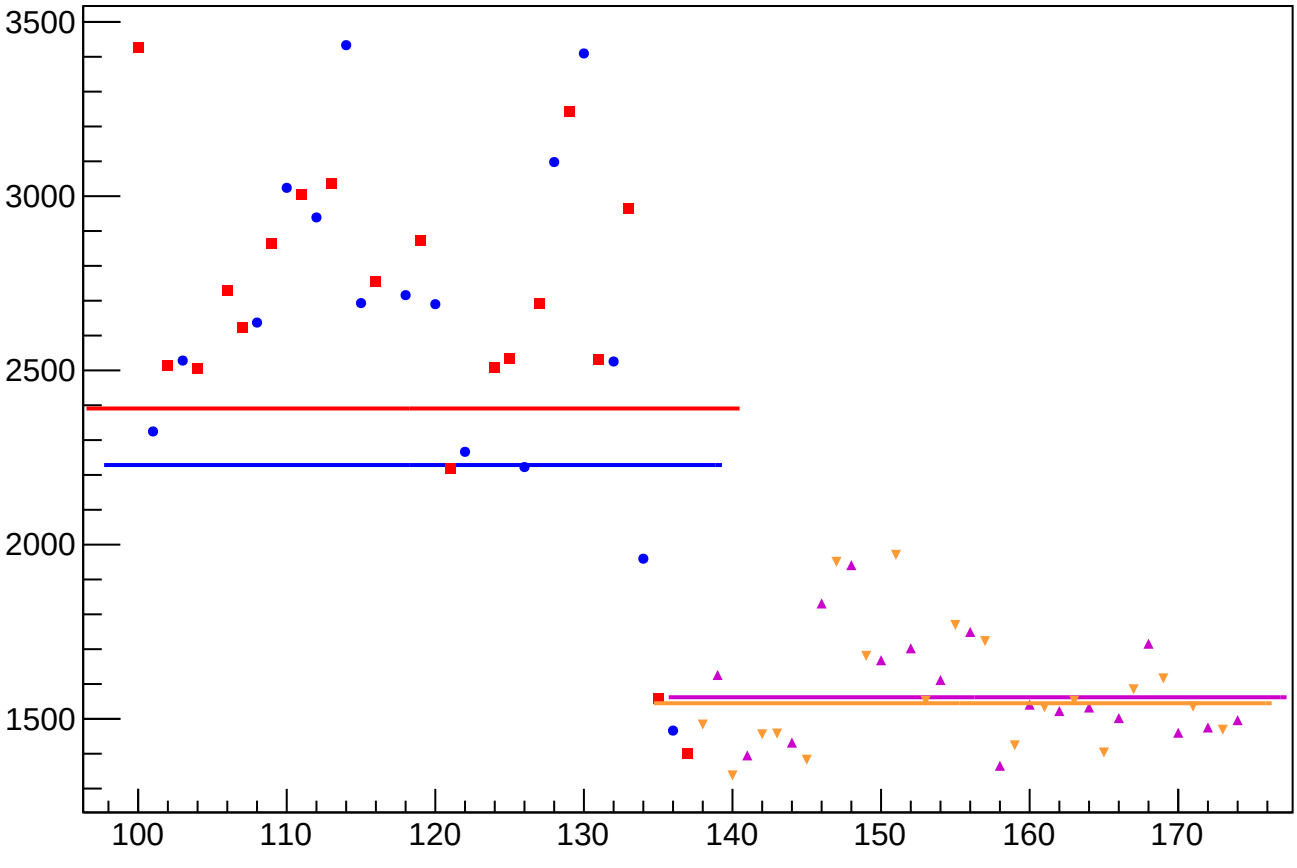
Left: -418.610+/-286.056 χ^2/NDF: 68.1/36

Right: -758.506+/-622.089 χ^2/NDF: 34.3/34

In: -238.747+/-368.168 χ^2/NDF:51.8/33

Out: -715.518+/-366.931 χ^2/NDF:50.0/37

All: -477.935+/-259.896 χ^2/NDF: 102.6/71



Right In: 2228.435+/-0.607 χ^2/NDF: 947659.2/15

Left Out: 1544.890+/-0.284 χ^2/NDF:311290.4/18

Right Out: 2390.731+/-0.638 χ^2/NDF: 790004.4/18

Left In: 1562.035+/-0.288 χ^2/NDF:255035.2/17

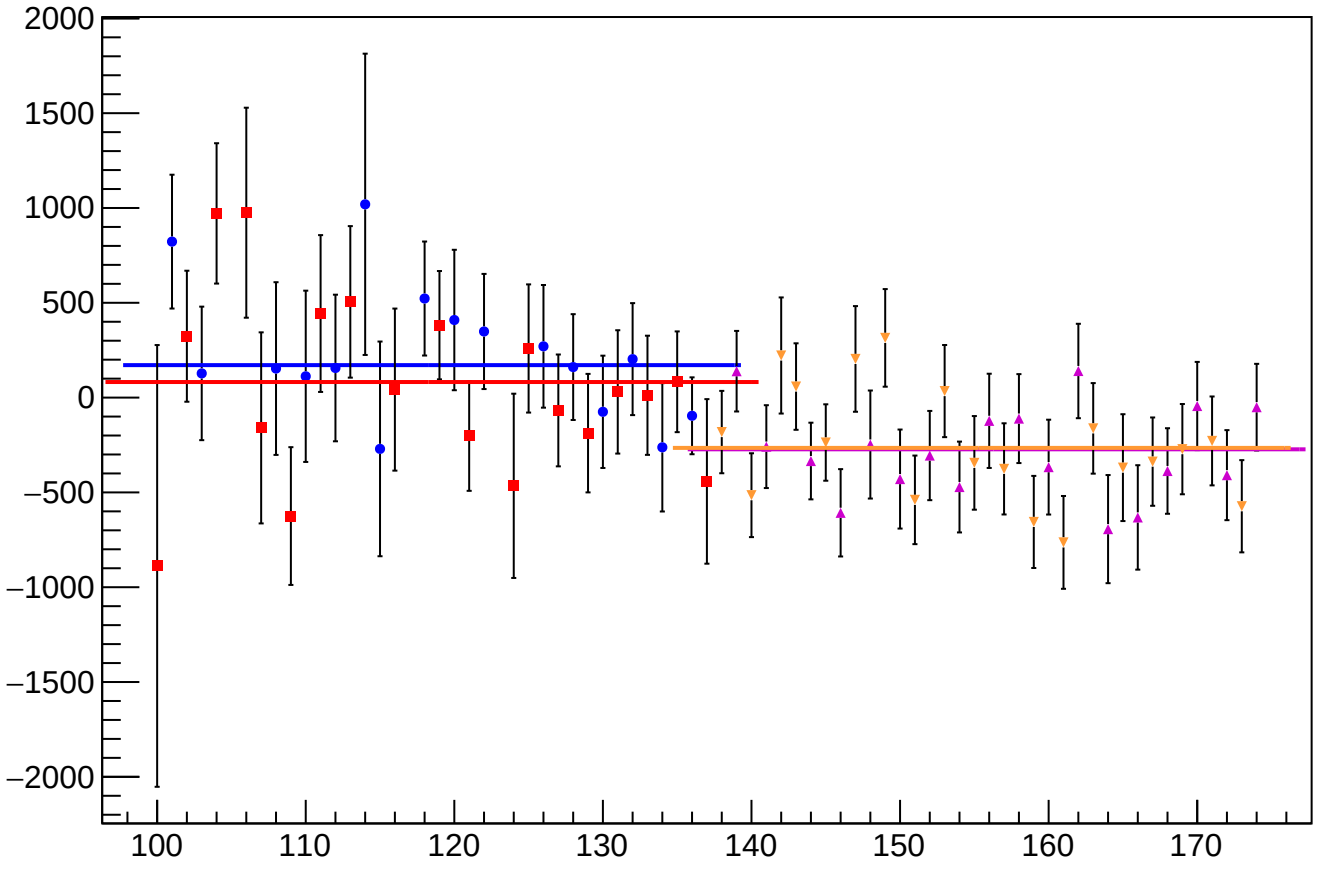
Left: 1553.339+/-0.202 χ^2/NDF: 568121.4/36

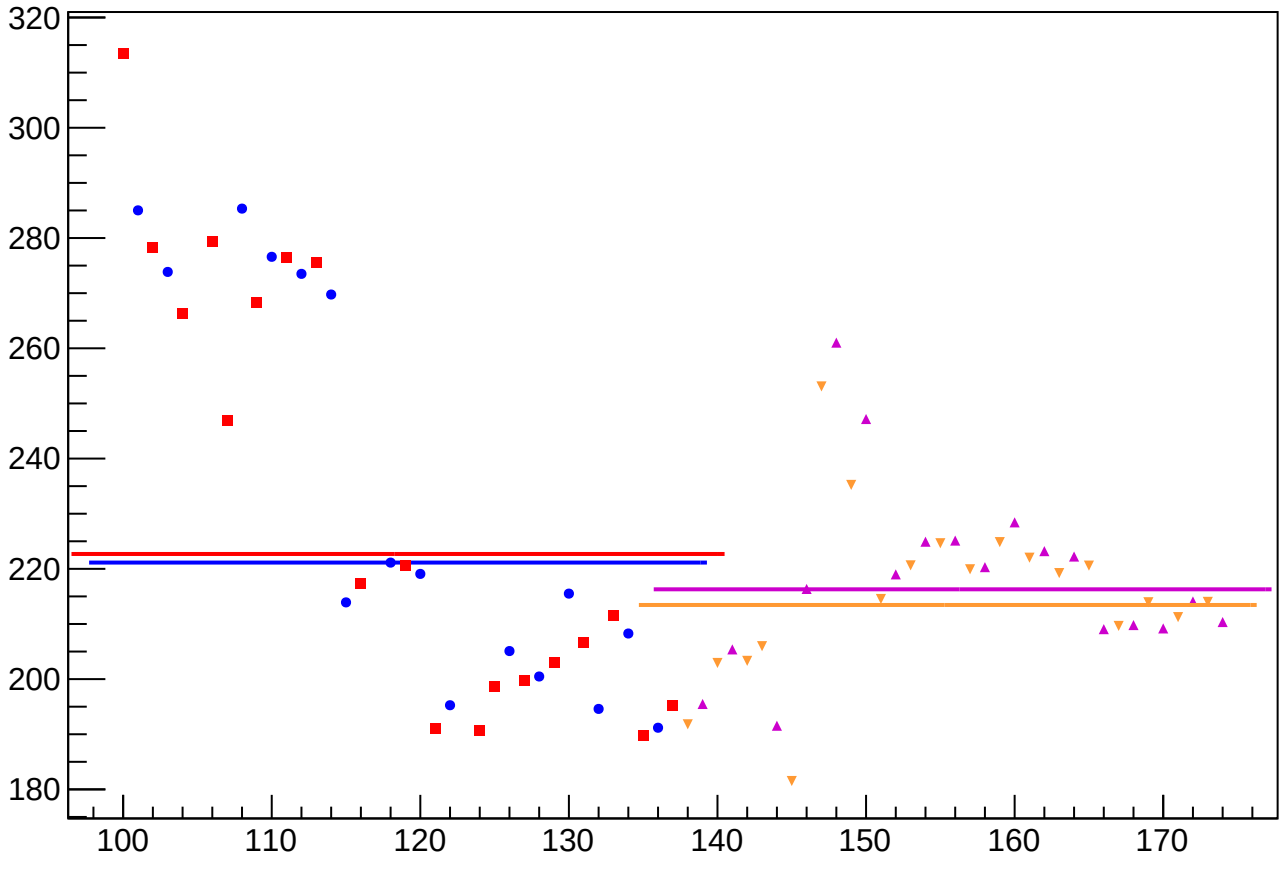
Right: 2305.630+/-0.440 χ^2/NDF: 1771614.3/34

In: 1684.427+/-0.260 χ^2/NDF:2185106.6/33

Out: 1684.858+/-0.259 χ^2/NDF:2568930.6/37

All: 1684.643+/-0.184 χ^2/NDF: 4754038.6/71


dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
Right In: 171.258+/-83.116 χ²/NDF: 11.5/15
Left Out: -265.270+/-55.207 χ²/NDF:25.9/18
Right Out: 82.152+/-82.545 χ²/NDF: 21.6/18
Left In: -272.770+/-56.264 χ²/NDF:17.2/17
Left: -268.949+/-39.406 χ²/NDF: 43.1/36
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -133.239+/-46.592 χ²/NDF:48.2/33
Out: -157.894+/-45.890 χ²/NDF:59.7/37
All: -145.754+/-32.695 χ²/NDF: 108.1/71



Right In: 221.139+/-0.059 χ^2/NDF: 318702.0/15

Left Out: 213.448+/-0.039 χ^2/NDF:151130.5/18

Right Out: 222.697+/-0.058 χ^2/NDF: 327032.3/18

Left In: 216.287+/-0.040 χ^2/NDF:150925.9/17

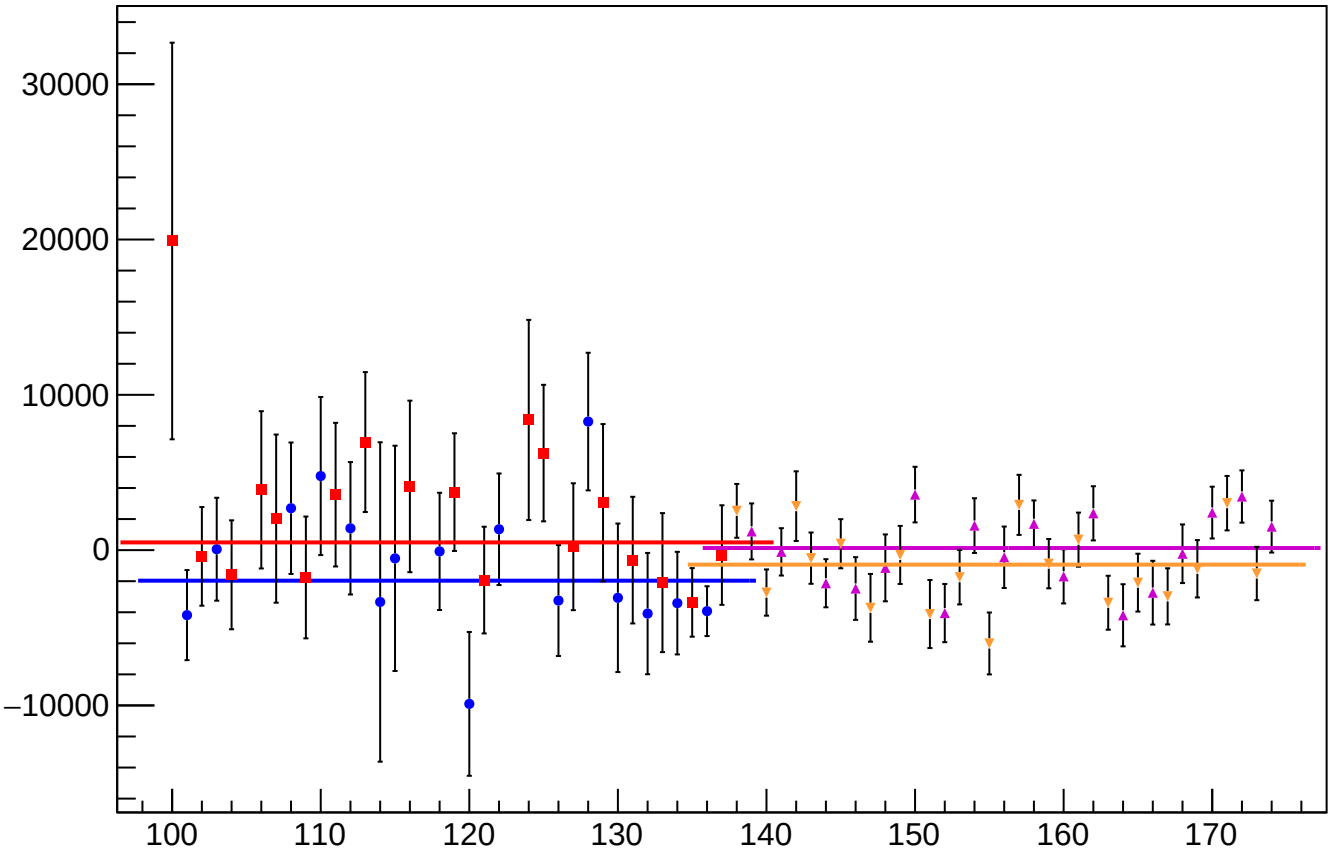
Left: 214.841+/-0.028 χ^2/NDF: 304652.2/36

Right: 221.924+/-0.041 χ^2/NDF: 646088.3/34

In: 217.812+/-0.033 χ^2/NDF:474301.0/33

Out: 216.306+/-0.032 χ^2/NDF:495514.2/37

All: 217.048+/-0.023 χ^2/NDF: 970875.3/71



Right In: -1967.414+/-876.610 χ^2/NDF: 16.2/15

Left Out: -934.051+/-411.425 χ^2/NDF:33.3/18

Right Out: 497.281+/-914.759 χ^2/NDF: 14.8/18

Left In: 135.649+/-417.809 χ^2/NDF:30.9/17

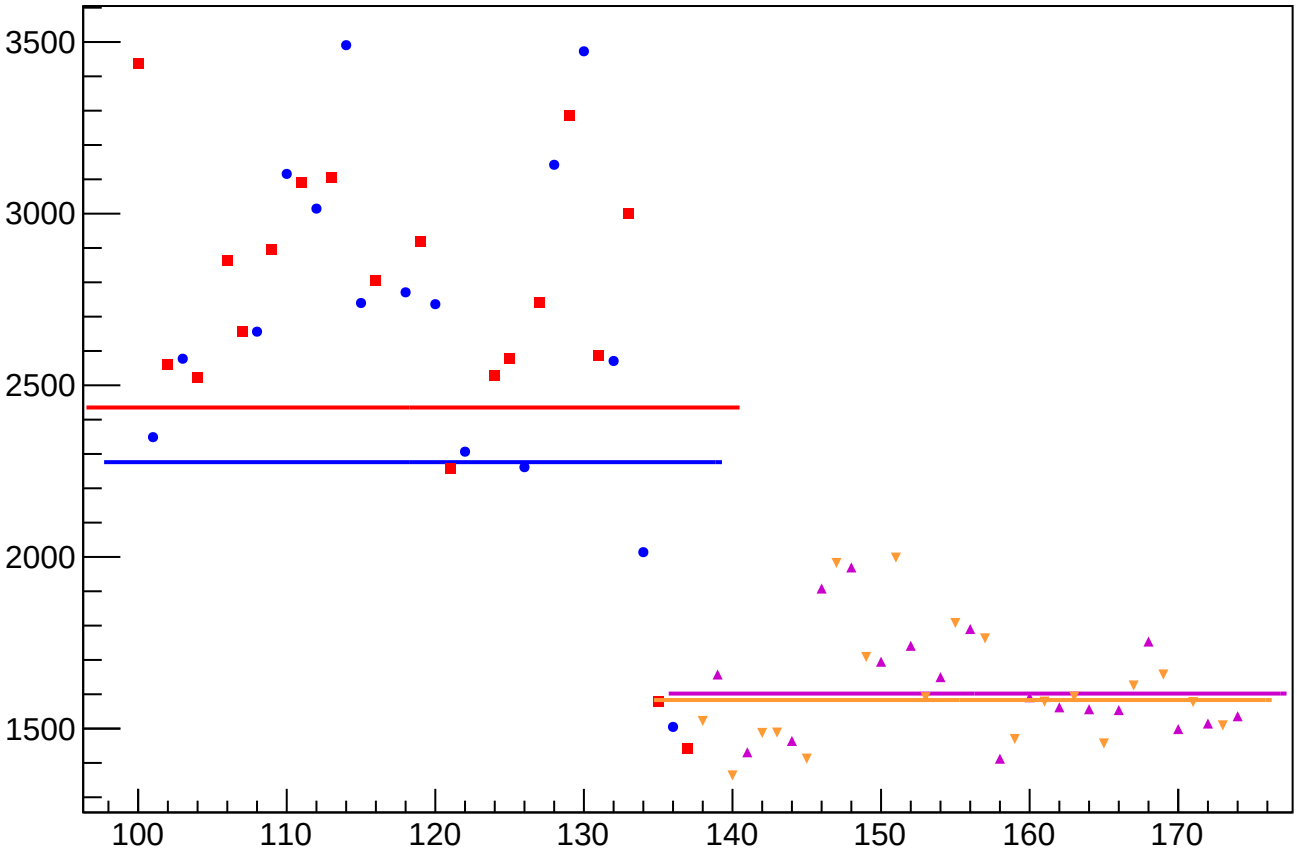
Left: -407.435+/-293.152 χ^2/NDF: 67.6/36

Right: -787.531+/-632.914 χ^2/NDF: 34.7/34

In: -253.657+/-377.160 χ^2/NDF:51.8/33

Out: -693.227+/-375.221 χ^2/NDF:50.1/37

All: -474.575+/-266.004 χ^2/NDF: 102.6/71



Right In: 2276.134+/-0.620 χ^2/NDF: 926982.8/15

Left Out: 1583.171+/-0.291 χ^2/NDF:297397.0/18

Right Out: 2435.354+/-0.647 χ^2/NDF: 791515.5/18

Left In: 1602.040+/-0.295 χ^2/NDF:247163.6/17

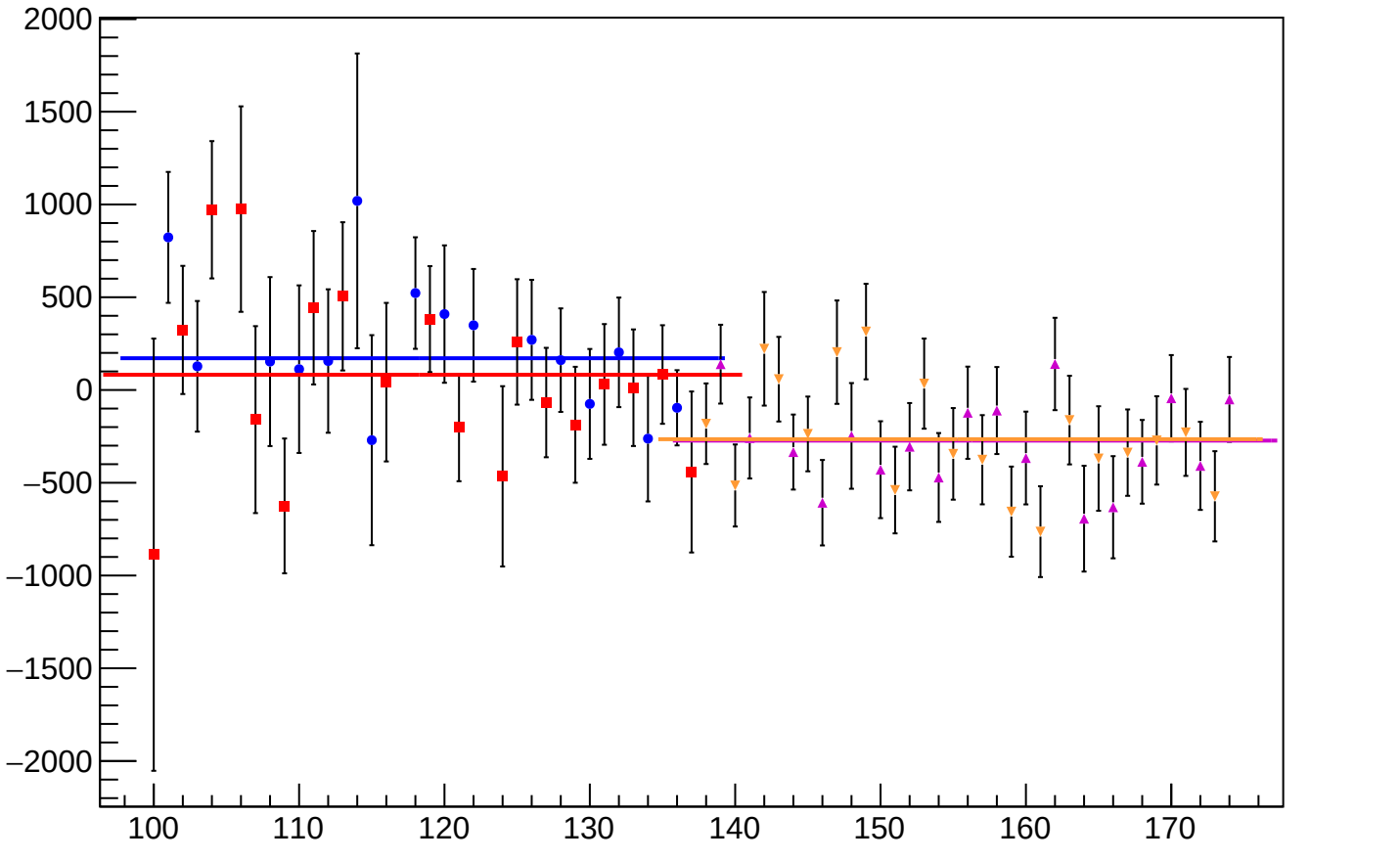
Left: 1592.460+/-0.207 χ^2/NDF: 546631.5/36

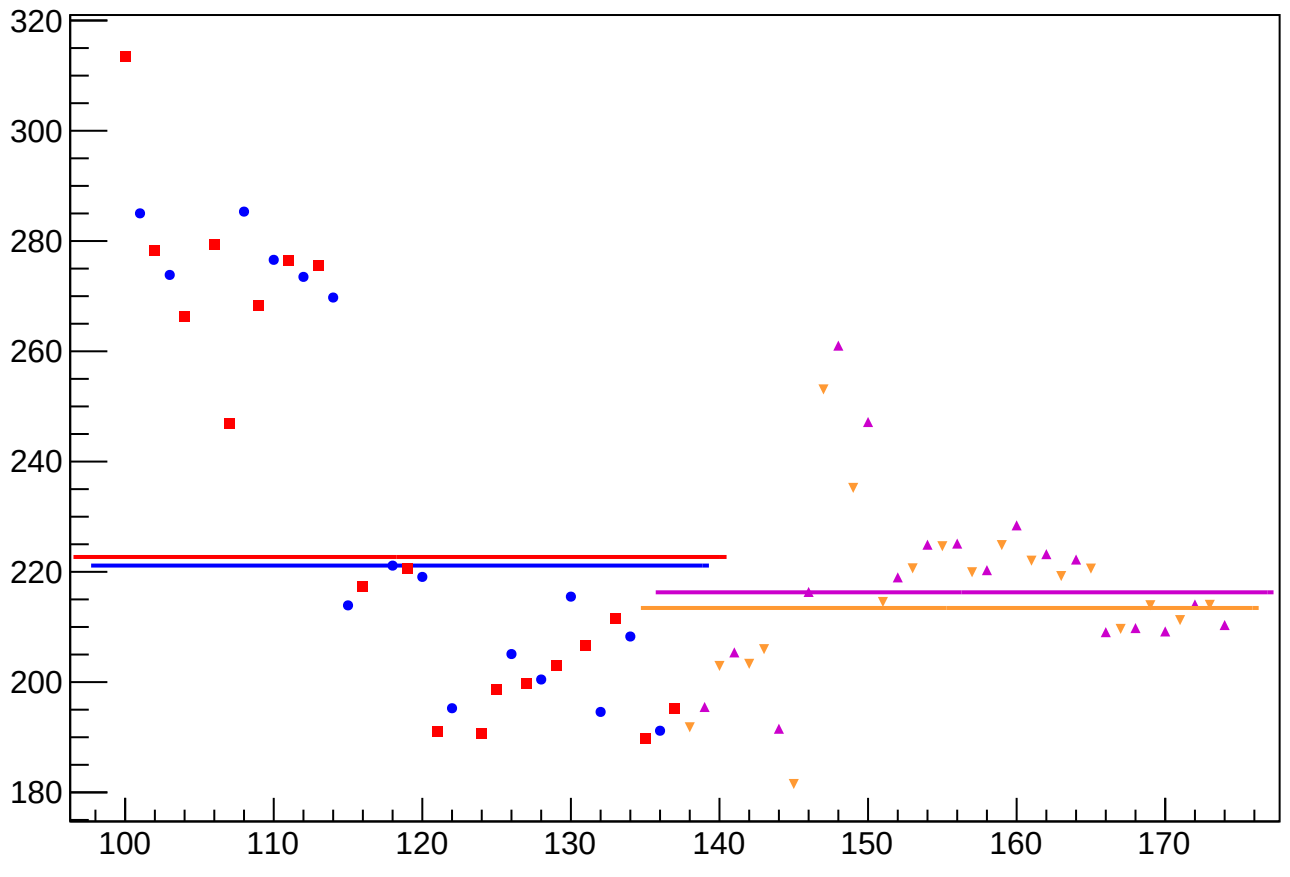
Right: 2352.355+/-0.448 χ^2/NDF: 1750083.9/34

In: 1726.824+/-0.267 χ^2/NDF:2137878.3/33

Out: 1726.553+/-0.265 χ^2/NDF:2532604.1/37

All: 1726.688+/-0.188 χ^2/NDF: 4670482.9/71


eigen_dit_asym_sam_26_dd_mean vs Slug, Sign Corrected
2000
1500
1000
500
0
−500
−1000
−1500
−2000
100
110
120
130
140
150
160
170
Right In: 171.260+/-83.115 χ²/NDF: 11.5/15
Left Out: -265.273+/-55.207 χ²/NDF:25.9/18
Right Out: 82.150+/-82.545 χ²/NDF: 21.6/18
Left In: -272.772+/-56.263 χ²/NDF:17.2/17
Left: -268.951+/-39.406 χ²/NDF: 43.1/36
Right: 126.398+/-58.569 χ²/NDF: 33.7/34
In: -133.239+/-46.592 χ²/NDF:48.2/33
Out: -157.896+/-45.890 χ²/NDF:59.7/37
All: -145.755+/-32.694 χ²/NDF: 108.1/71



Right In: 221.138+/-0.059 χ^2/NDF: 318696.9/15

Left Out: 213.448+/-0.039 χ^2/NDF:151134.7/18

Right Out: 222.696+/-0.058 χ^2/NDF: 327025.2/18

Left In: 216.287+/-0.040 χ^2/NDF:150928.4/17

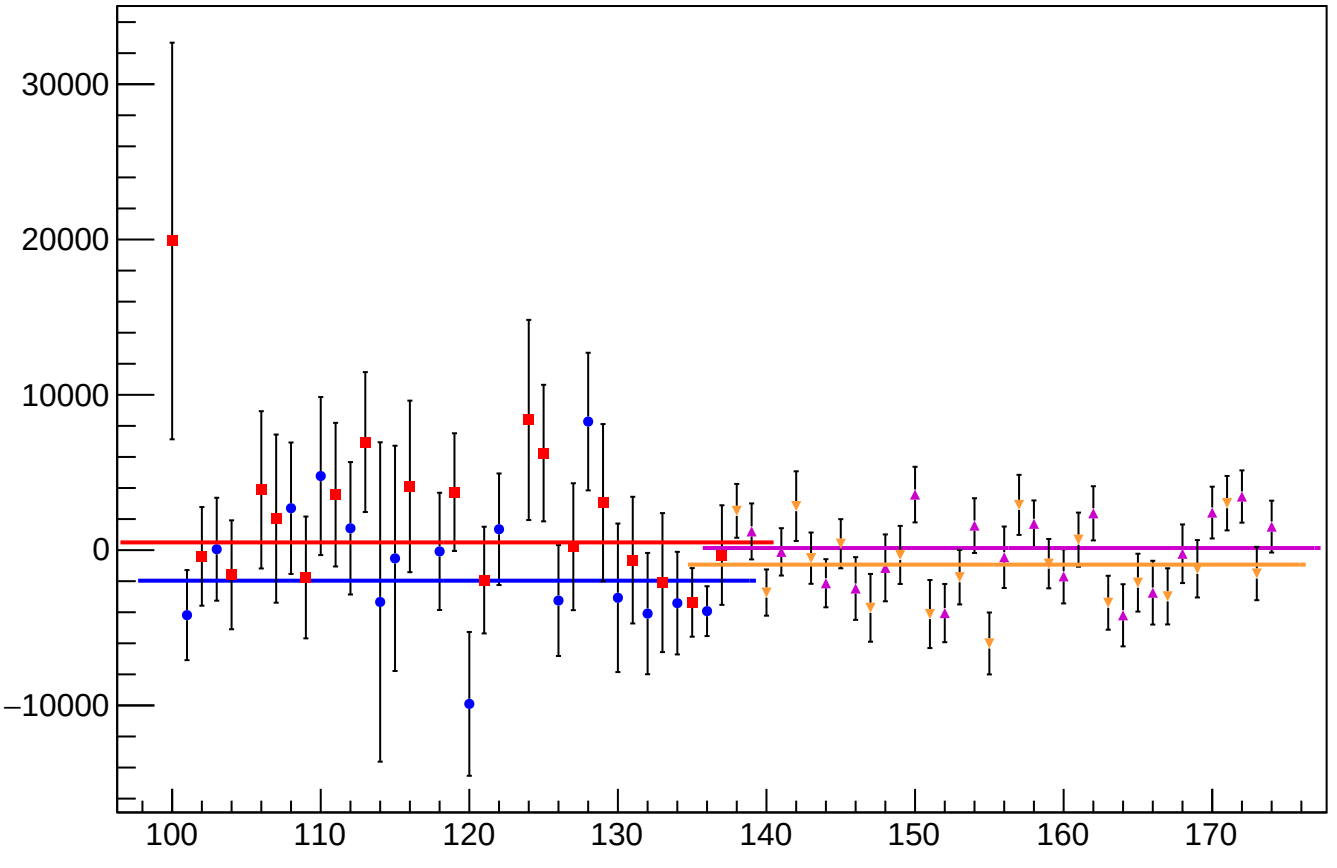
Left: 214.840+/-0.028 χ^2/NDF: 304658.6/36

Right: 221.923+/-0.041 χ^2/NDF: 646076.2/34

In: 217.811+/-0.033 χ^2/NDF:474296.5/33

Out: 216.306+/-0.032 χ^2/NDF:495508.5/37

All: 217.047+/-0.023 χ^2/NDF: 970864.8/71



Right In: -1967.409+/-876.608 χ^2/NDF: 16.2/15

Left Out: -934.052+/-411.425 χ^2/NDF:33.3/18

Right Out: 497.282+/-914.757 χ^2/NDF: 14.8/18

Left In: 135.649+/-417.809 χ^2/NDF:30.9/17

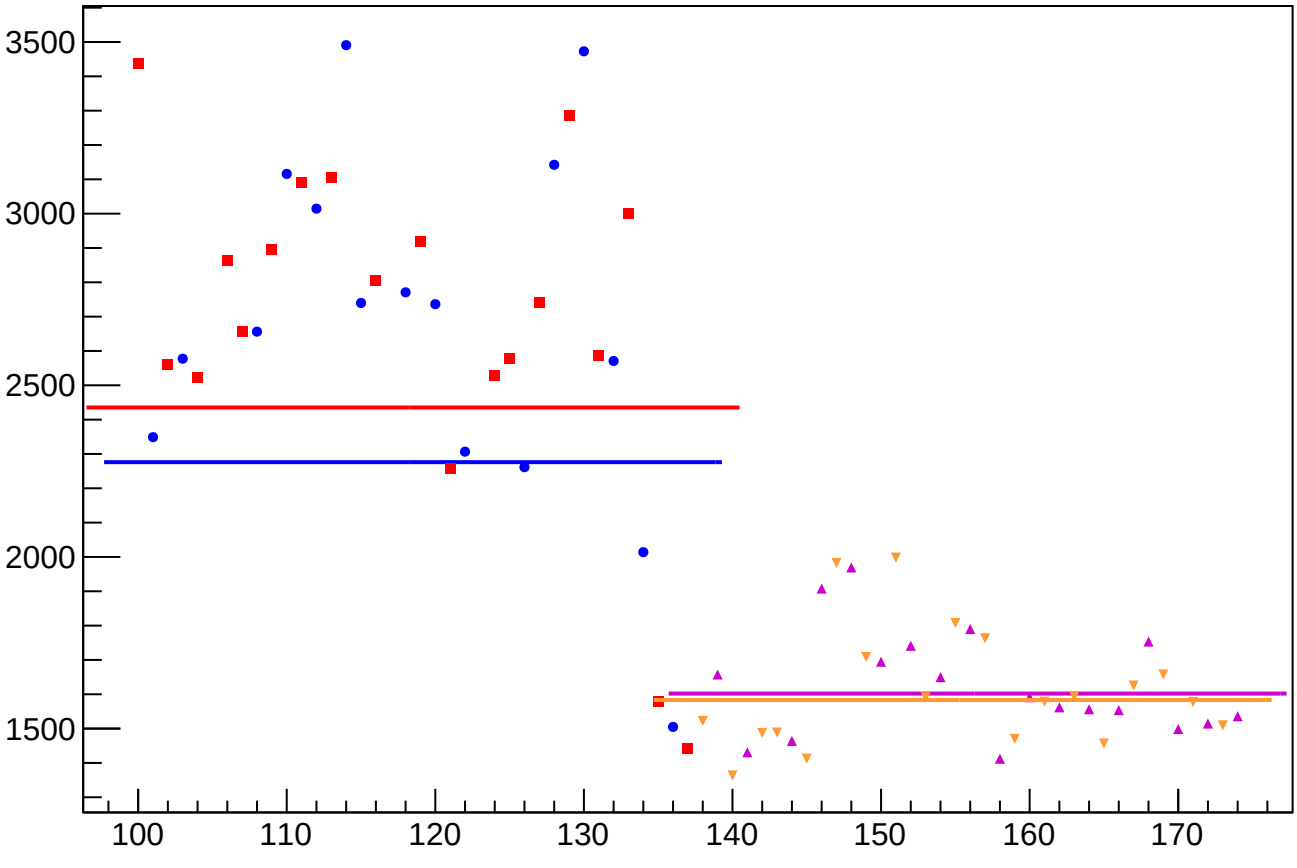
Left: -407.435+/-293.152 χ^2/NDF: 67.6/36

Right: -787.528+/-632.913 χ^2/NDF: 34.7/34

In: -253.657+/-377.160 χ^2/NDF:51.8/33

Out: -693.226+/-375.221 χ^2/NDF:50.1/37

All: -474.575+/-266.004 χ^2/NDF: 102.6/71



Right In: 2276.132+/-0.620 χ^2/NDF: 926973.2/15

Left Out: 1583.171+/-0.291 χ^2/NDF:297399.5/18

Right Out: 2435.351+/-0.647 χ^2/NDF: 791509.5/18

Left In: 1602.040+/-0.295 χ^2/NDF:247165.1/17

Left: 1592.460+/-0.207 χ^2/NDF: 546635.5/36

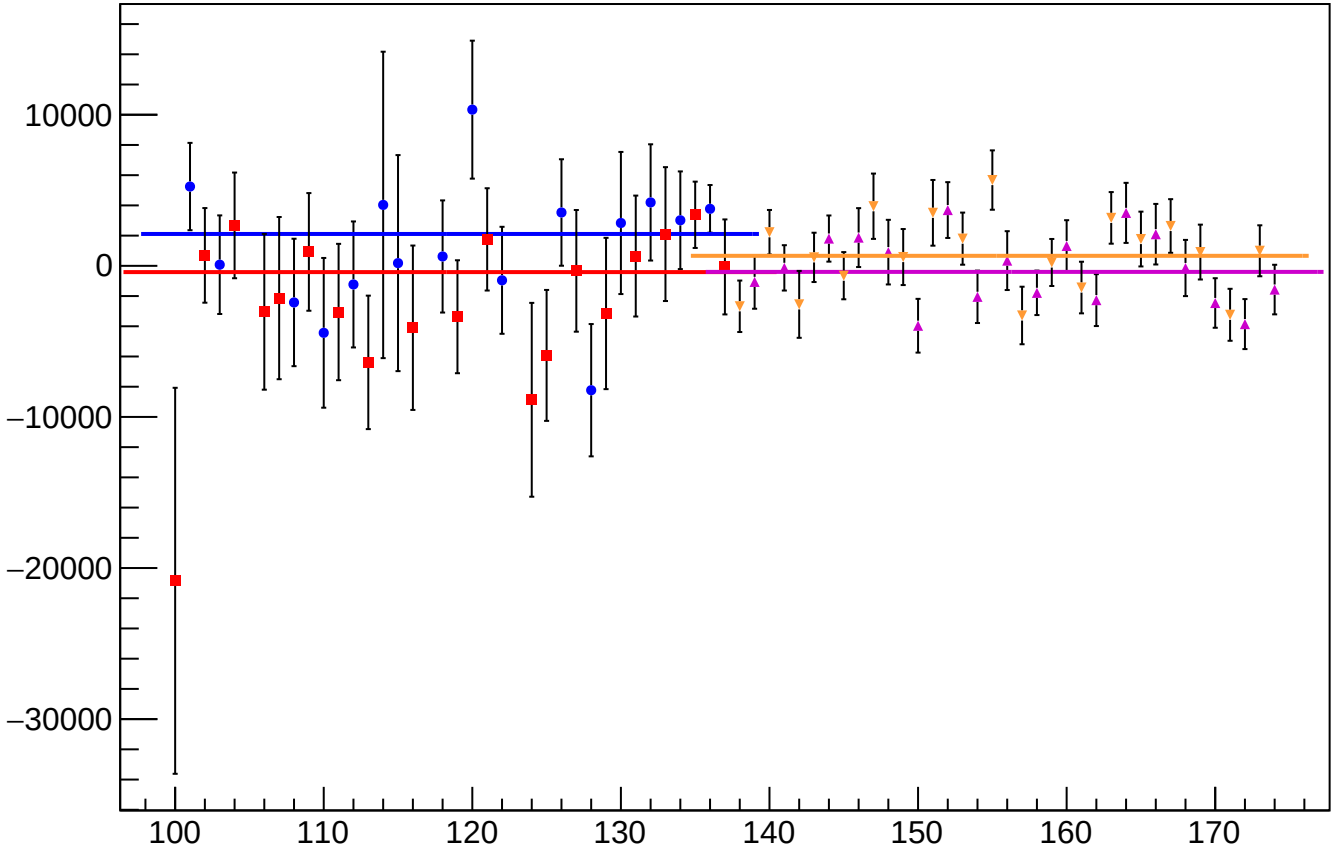
Right: 2352.352+/-0.448 χ^2/NDF: 1750068.0/34

In: 1726.824+/-0.267 χ^2/NDF:2137864.9/33

Out: 1726.553+/-0.265 χ^2/NDF:2532592.5/37

All: 1726.687+/-0.188 χ^2/NDF: 4670458.0/71

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2109.537+/-863.291 χ^2/NDF: 16.6/15

Left Out: 663.249+/-405.073 χ^2/NDF:33.6/18

Right Out: -414.095+/-904.414 χ^2/NDF: 14.7/18

Left In: -400.666+/-410.962 χ^2/NDF:28.9/17

Left: 138.970+/-288.489 χ^2/NDF: 65.9/36

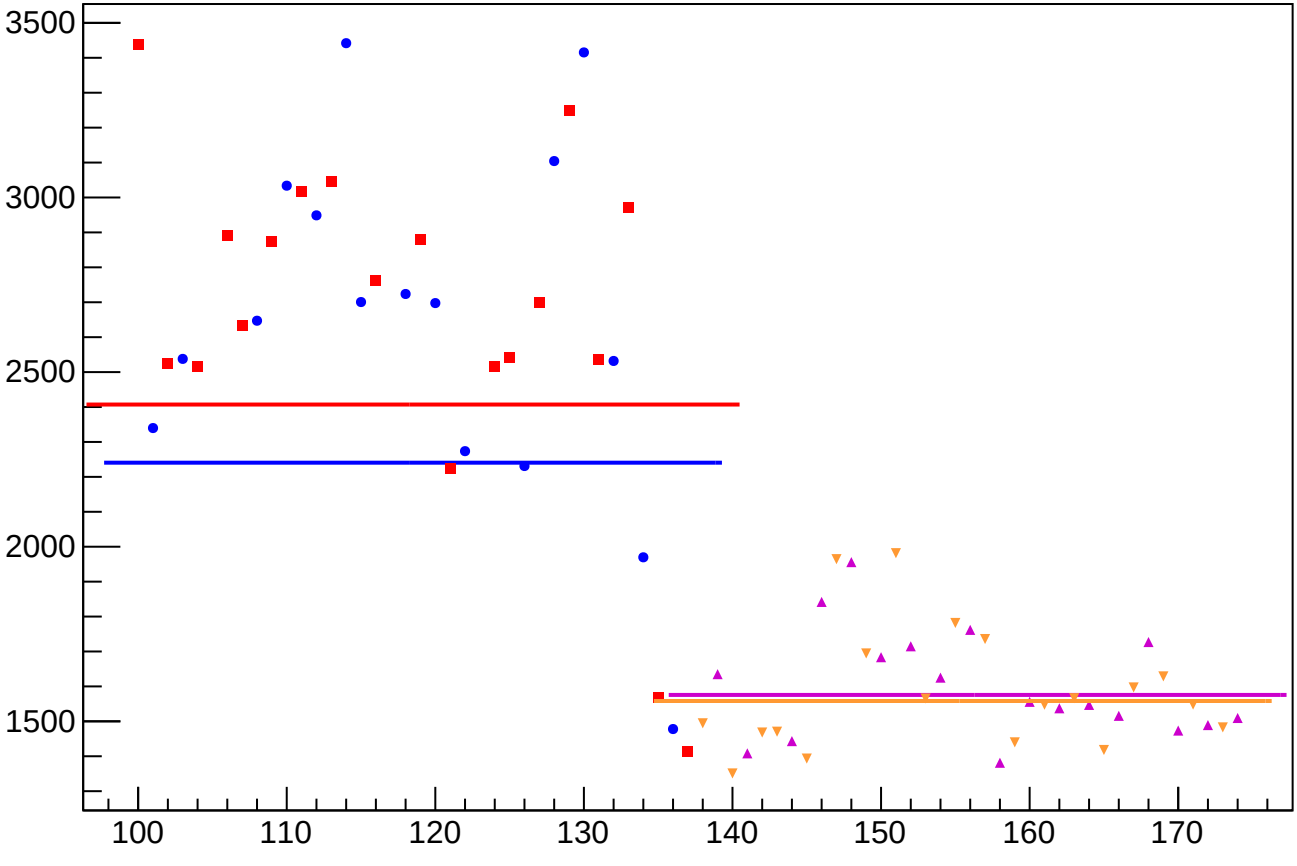
Right: 906.398+/-624.471 χ^2/NDF: 35.4/34

In: 63.090+/-371.063 χ^2/NDF:52.4/33

Out: 483.243+/-369.687 χ^2/NDF:49.5/37

All: 273.947+/-261.893 χ^2/NDF: 102.5/71

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2240.626+/-0.610 χ^2/NDF: 933590.8/15

Left Out: 1558.249+/-0.286 χ^2/NDF:305967.6/18

Right Out: 2407.124+/-0.640 χ^2/NDF: 788976.1/18

Left In: 1575.606+/-0.291 χ^2/NDF:249332.3/17

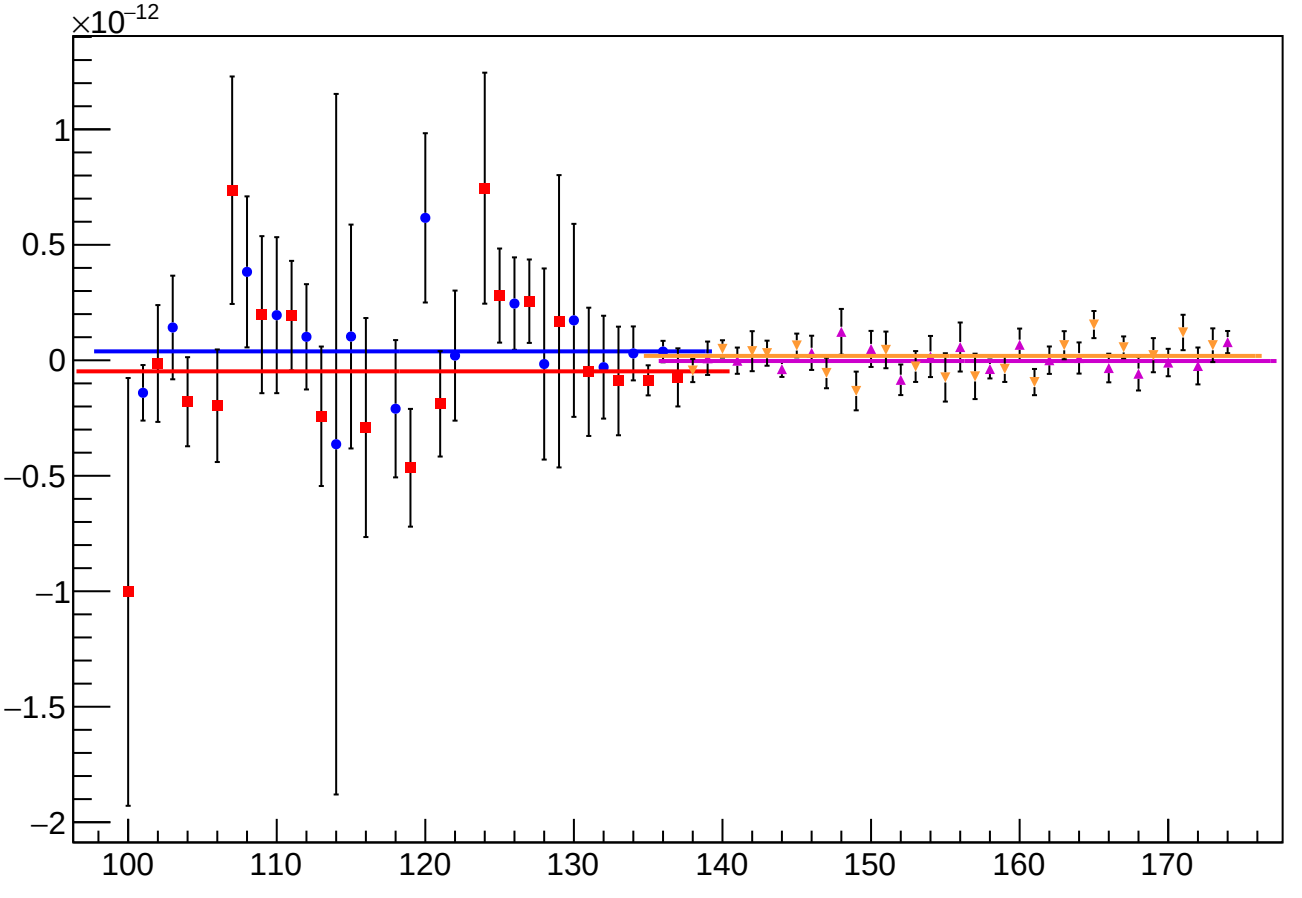
Left: 1566.802+/-0.204 χ^2/NDF: 557109.5/36

Right: 2320.004+/-0.442 χ^2/NDF: 1758033.9/34

In: 1698.468+/-0.262 χ^2/NDF:2150480.2/33

Out: 1700.081+/-0.261 χ^2/NDF:2562467.7/37

All: 1699.277+/-0.185 χ^2/NDF: 4712966.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 8.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:23.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.2/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/17

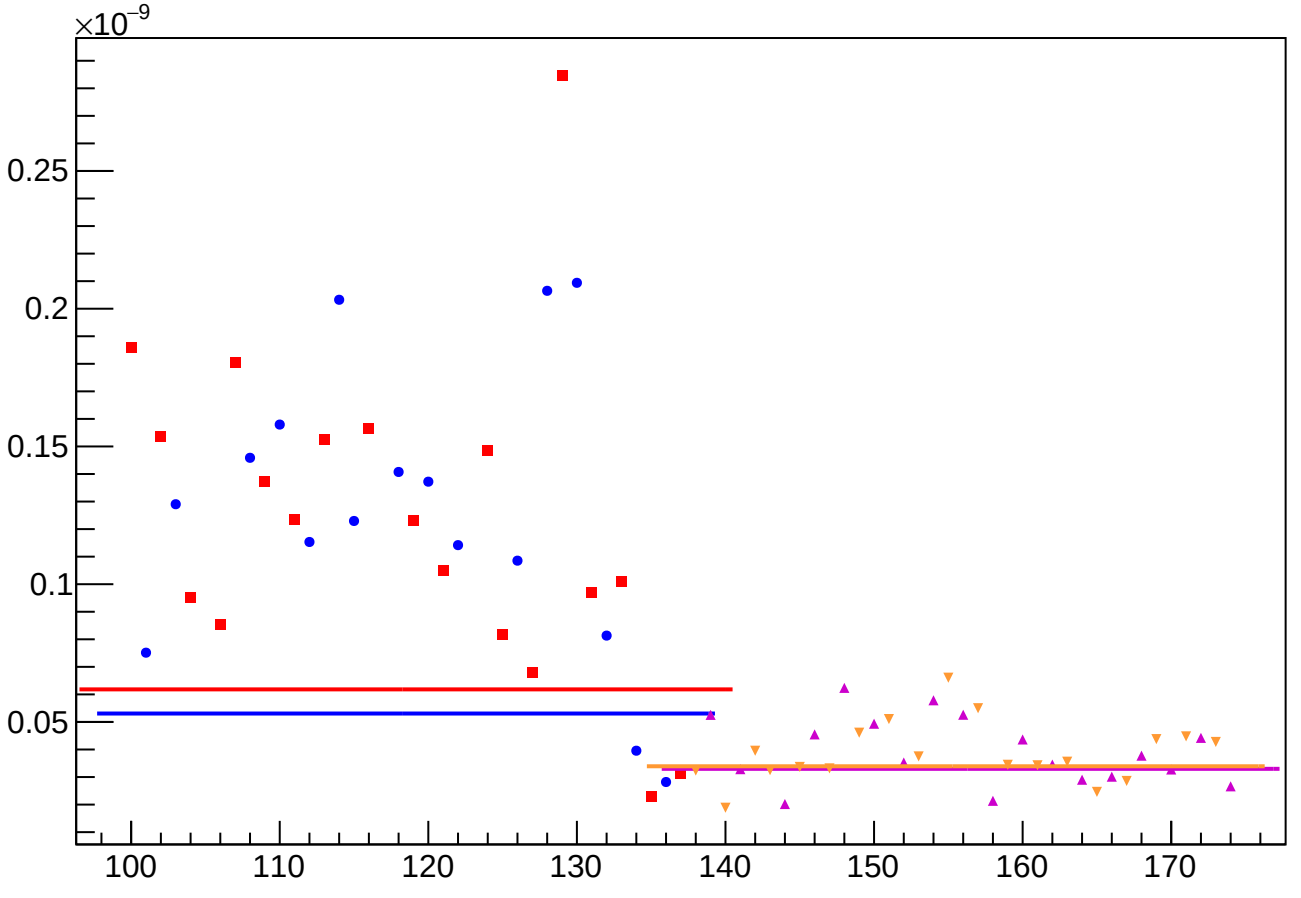
Left: 0.000+/-0.000 χ^2/NDF: 35.6/36

Right: 0.000+/-0.000 χ^2/NDF: 29.0/34

In: 0.000+/-0.000 χ^2/NDF:20.4/33

Out: 0.000+/-0.000 χ^2/NDF:43.9/37

All: 0.000+/-0.000 χ^2/NDF: 64.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 2576481.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:939303.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2416437.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1278871.2/17

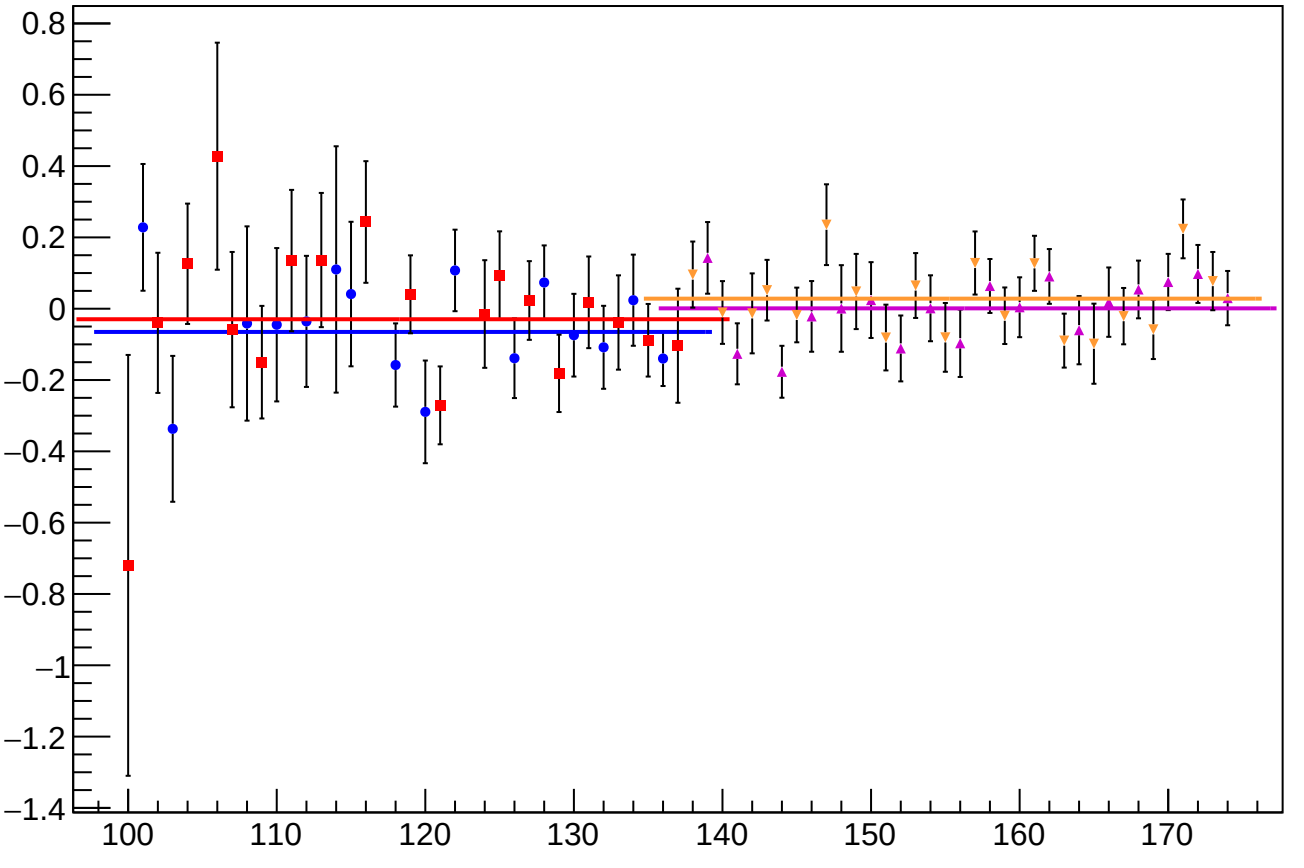
Left: 0.000+/-0.000 χ^2/NDF: 2222490.5/36

Right: 0.000+/-0.000 χ^2/NDF: 5040906.1/34

In: 0.000+/-0.000 χ^2/NDF:4383369.2/33

Out: 0.000+/-0.000 χ^2/NDF:4106132.9/37

All: 0.000+/-0.000 χ^2/NDF: 8493873.6/71



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

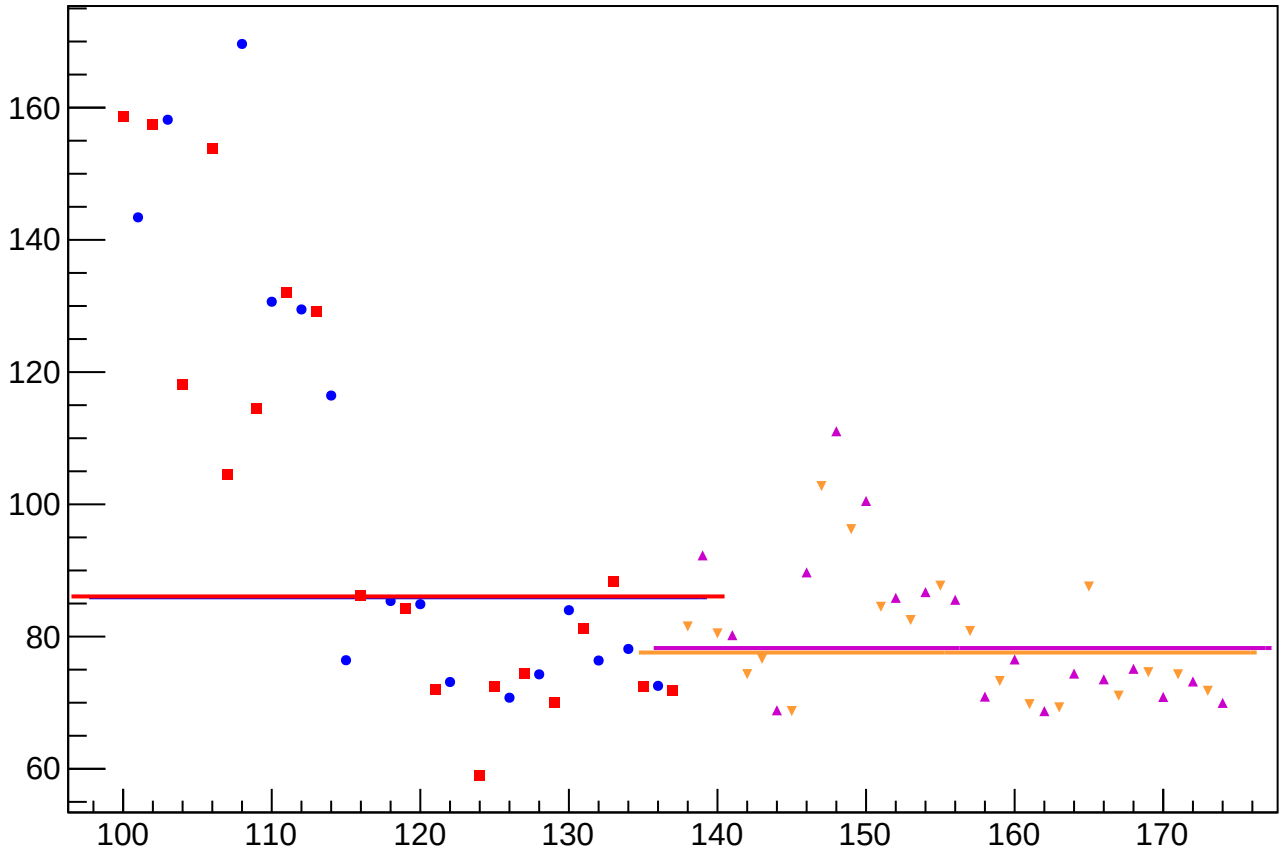
Left: 0.015+/-0.014 χ^2/NDF: 41.0/36

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.002+/-0.012 χ^2/NDF: 78.9/71



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.590+/-0.014 χ^2/NDF:333200.4/18

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

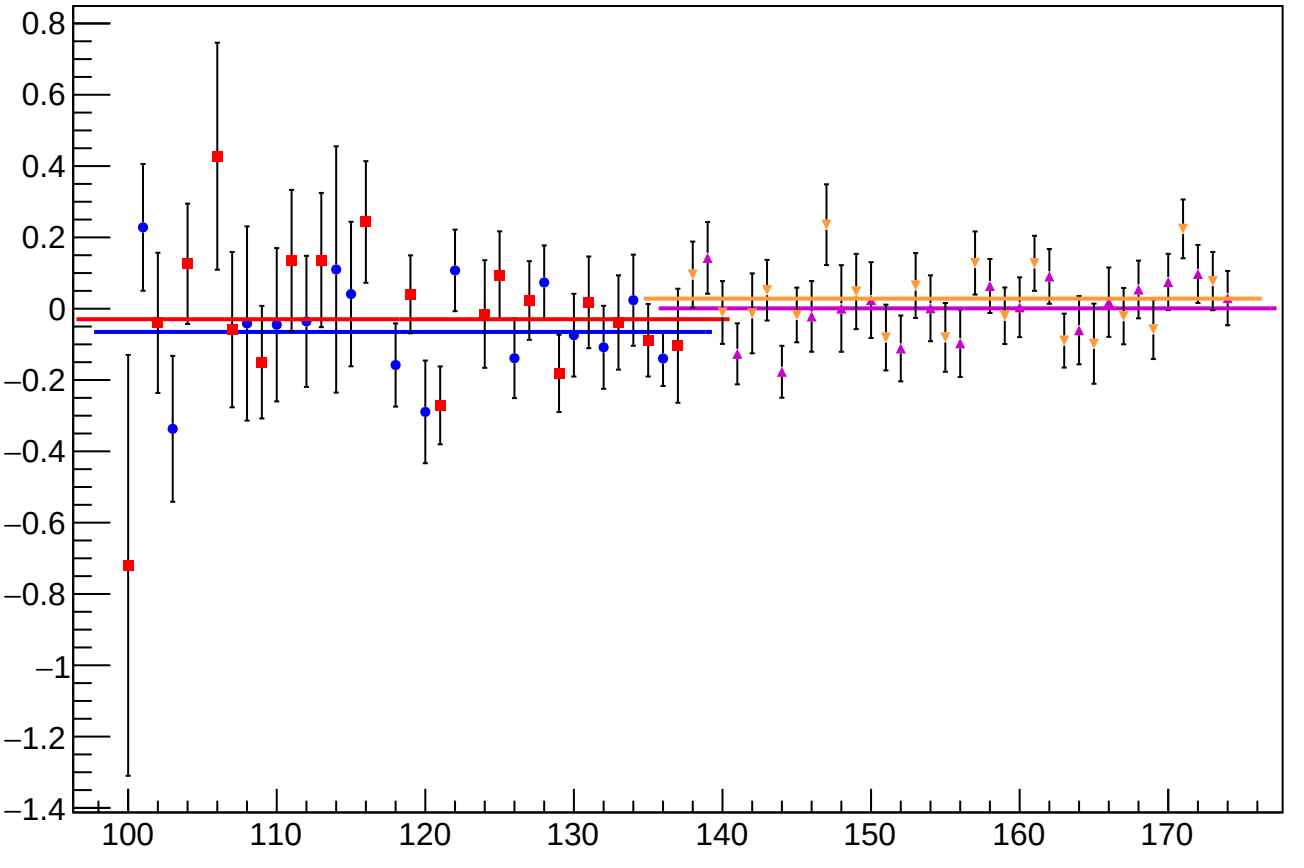
Left: 77.923+/-0.010 χ^2/NDF: 820461.2/36

Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.386+/-0.012 χ^2/NDF:1598092.6/33

Out: 79.902+/-0.012 χ^2/NDF:1420920.6/37

All: 80.140+/-0.009 χ^2/NDF: 3019792.4/71



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

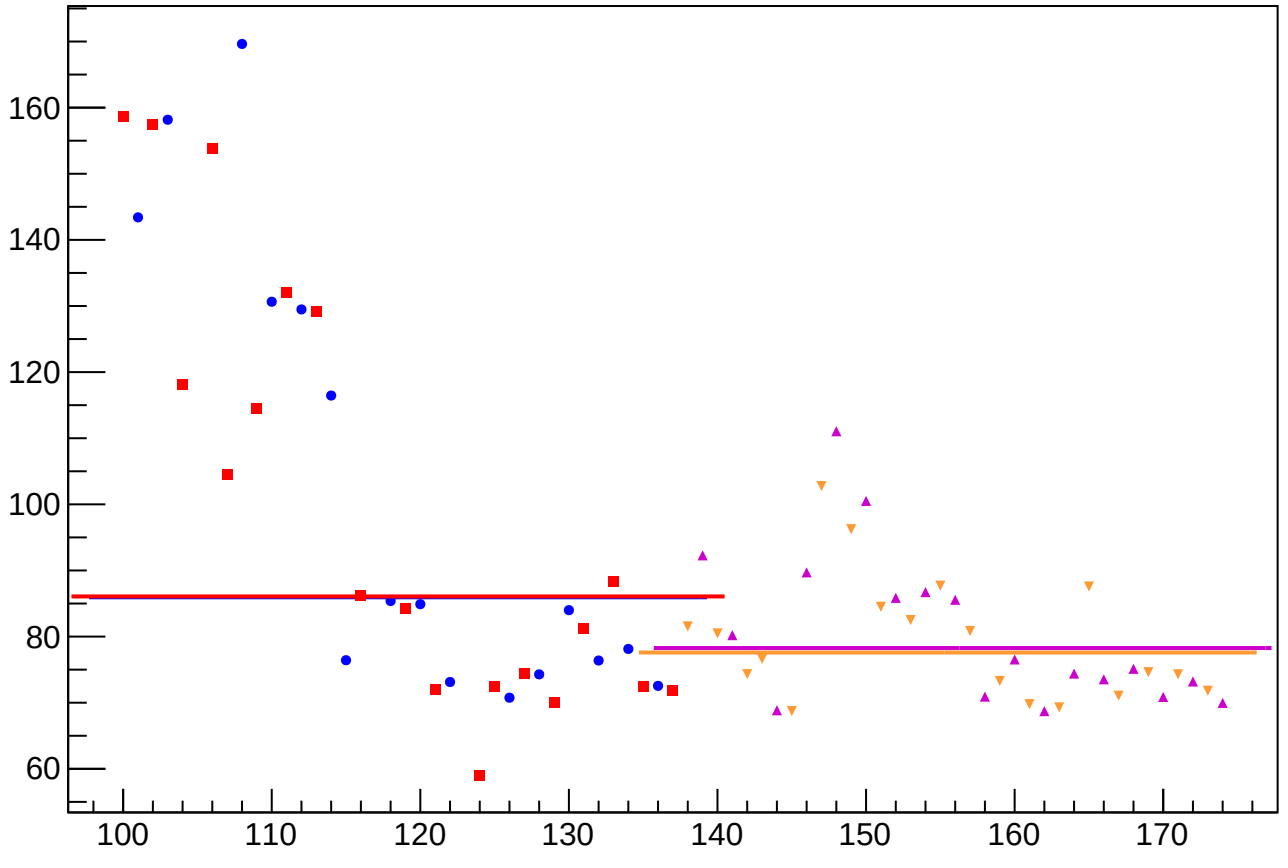
Left: 0.015+/-0.014 χ^2/NDF: 41.0/36

Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.002+/-0.012 χ^2/NDF: 78.9/71



Right In: 85.946+/-0.024 χ^2/NDF: 1035004.5/15

Left Out: 77.590+/-0.014 χ^2/NDF:333200.4/18

Right Out: 86.073+/-0.023 χ^2/NDF: 991371.4/18

Left In: 78.269+/-0.015 χ^2/NDF:486150.9/17

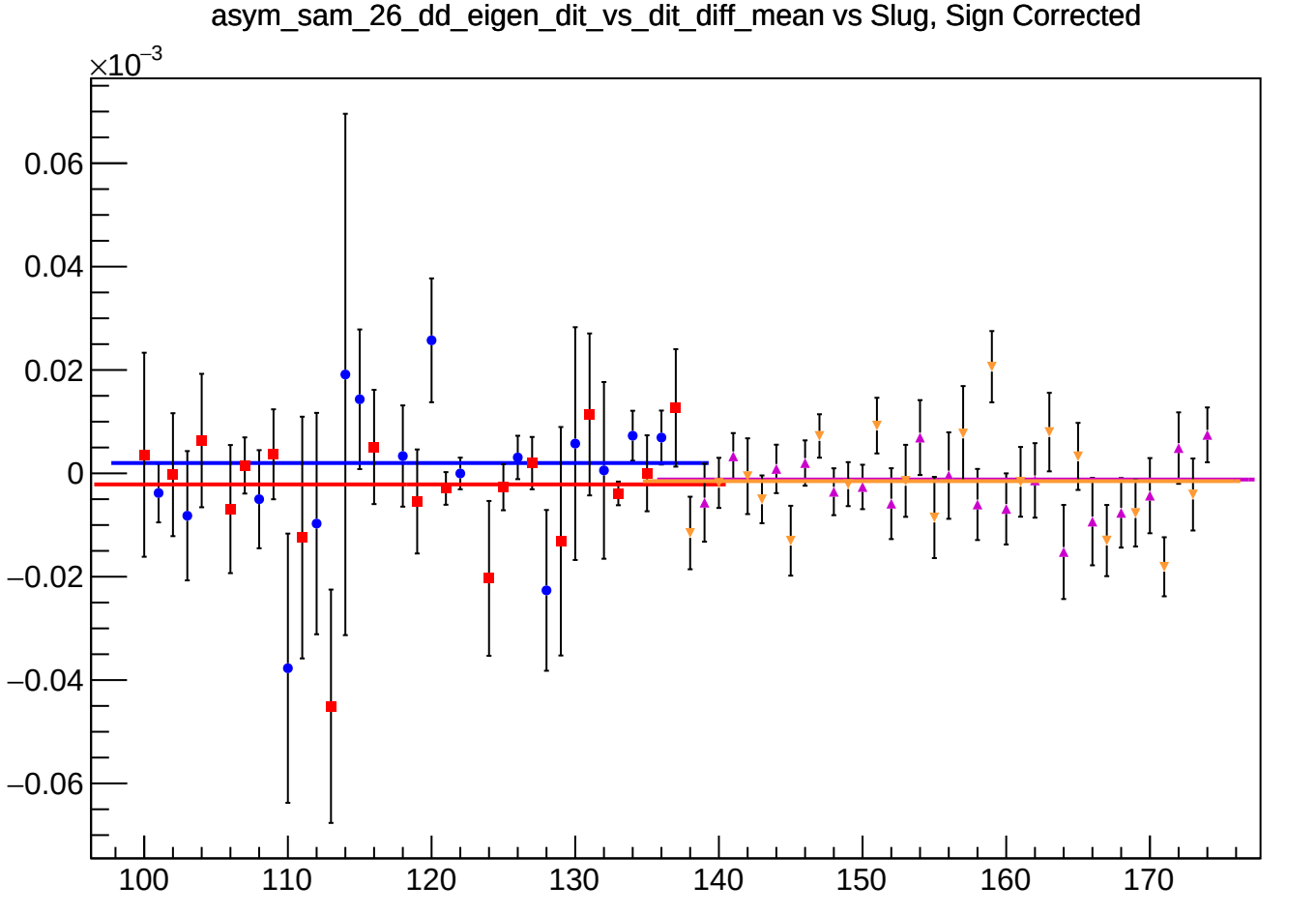
Left: 77.923+/-0.010 χ^2/NDF: 820461.2/36

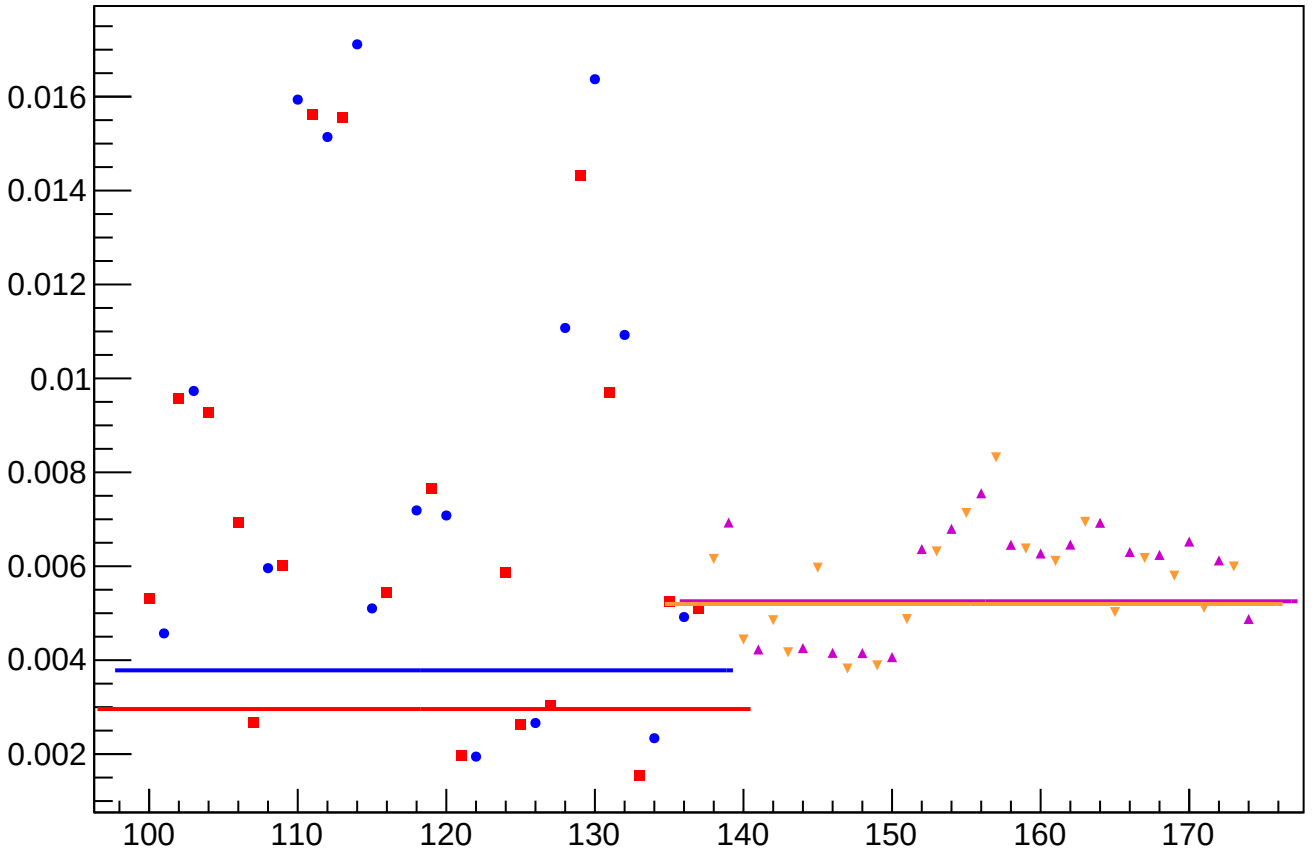
Right: 86.010+/-0.017 χ^2/NDF: 2026390.6/34

In: 80.386+/-0.012 χ^2/NDF:1598092.6/33

Out: 79.902+/-0.012 χ^2/NDF:1420920.6/37

All: 80.140+/-0.009 χ^2/NDF: 3019792.4/71


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:40.3/18
Right Out: -0.000+/-0.000 χ²/NDF: 11.5/18
Left In: -0.000+/-0.000 χ²/NDF:13.2/17
Left: -0.000+/-0.000 χ²/NDF: 53.6/36
Right: -0.000+/-0.000 χ²/NDF: 29.8/34
In: 0.000+/-0.000 χ²/NDF:30.1/33
Out: -0.000+/-0.000 χ²/NDF:52.0/37
All: -0.000+/-0.000 χ²/NDF: 83.7/71



Right In: 0.004+/-0.000 χ^2/NDF: 4694299.9/15

Left Out: 0.005+/-0.000 χ^2/NDF:1317420.7/18

Right Out: 0.003+/-0.000 χ^2/NDF: 5548113.4/18

Left In: 0.005+/-0.000 χ^2/NDF:1389275.1/17

Left: 0.005+/-0.000 χ^2/NDF: 2708390.1/36

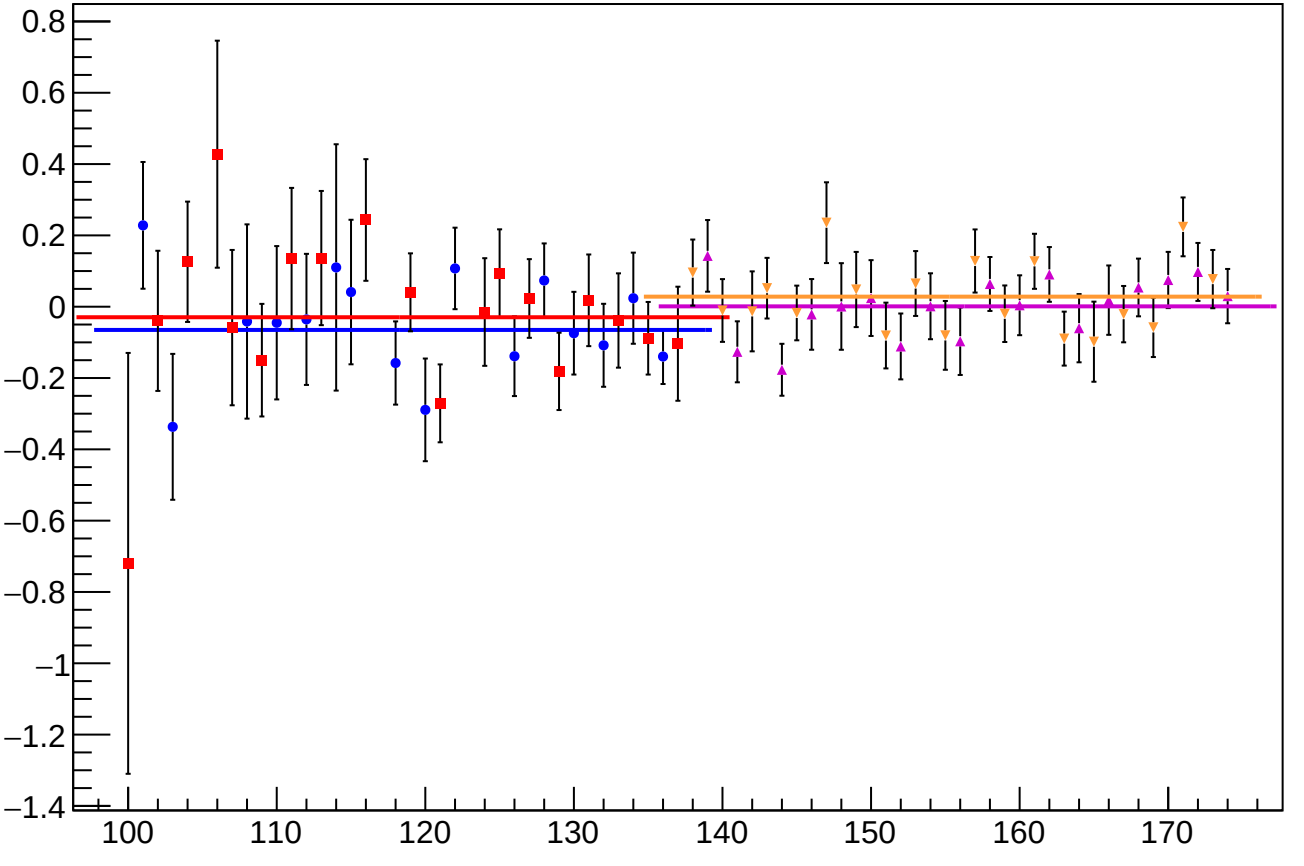
Right: 0.003+/-0.000 χ^2/NDF: 10513157.6/34

In: 0.005+/-0.000 χ^2/NDF:6944579.3/33

Out: 0.004+/-0.000 χ^2/NDF:9453165.7/37

All: 0.004+/-0.000 χ^2/NDF: 16708941.0/71

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

Left: 0.015+/-0.014 χ^2/NDF: 41.0/36

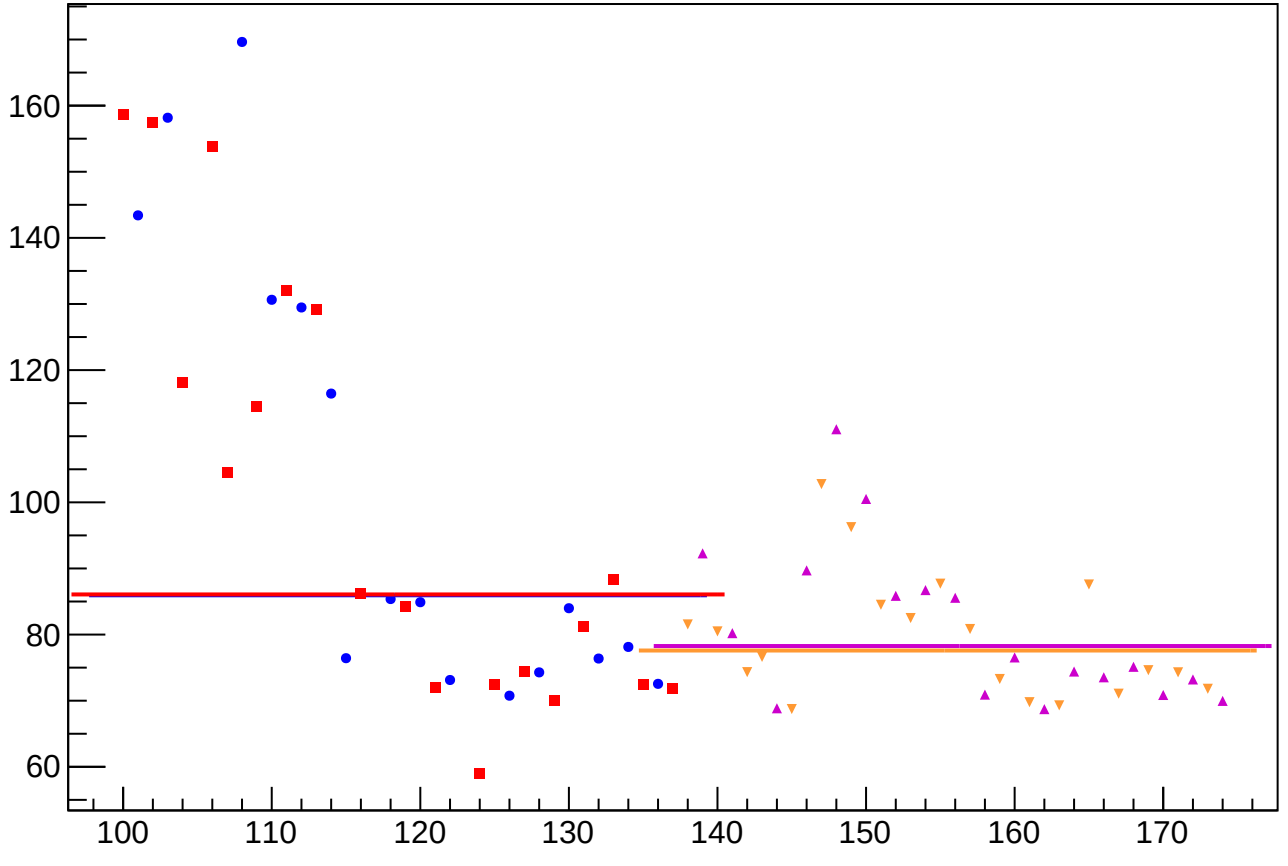
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.002+/-0.012 χ^2/NDF: 78.9/71

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.590+/-0.014 χ^2/NDF:333240.6/18

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

Left: 77.923+/-0.010 χ^2/NDF: 820539.1/36

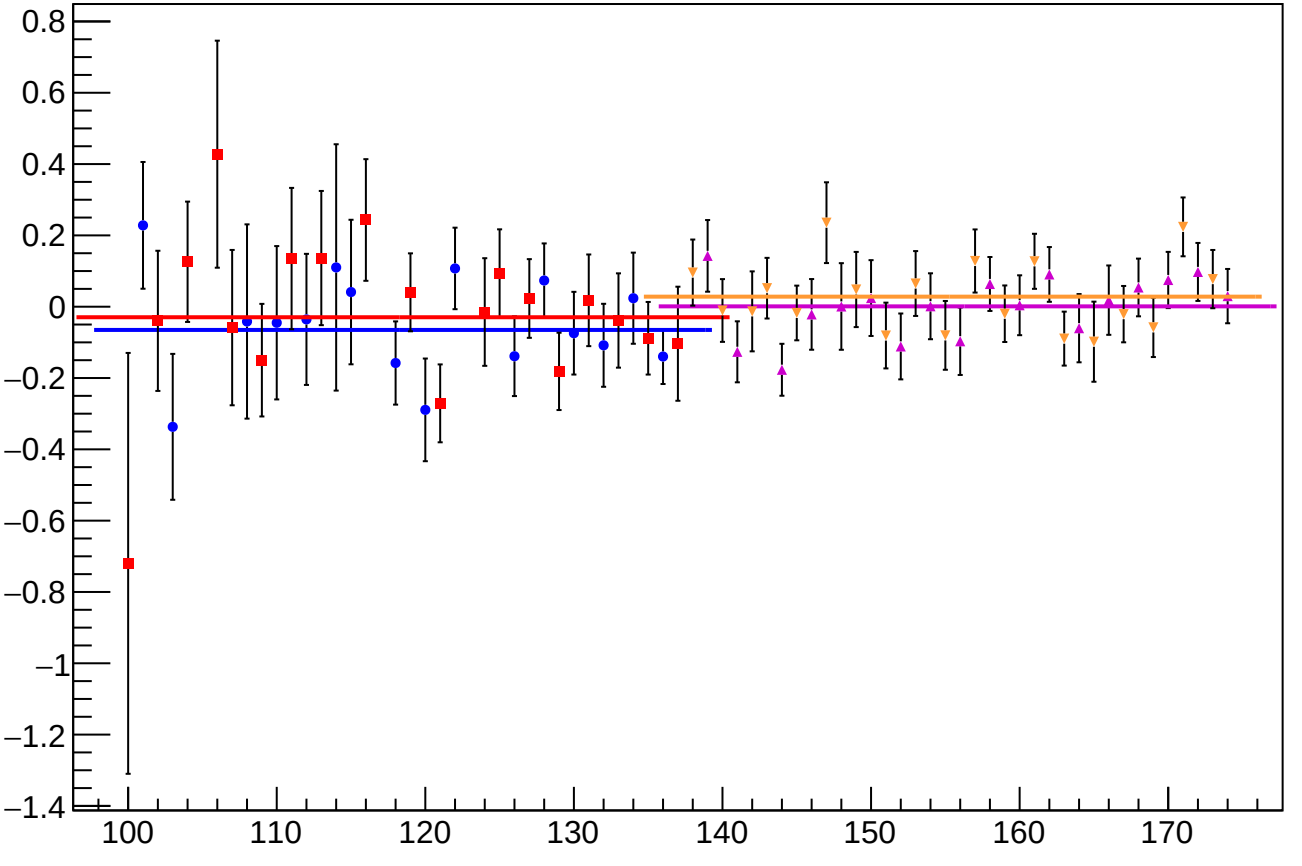
Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.385+/-0.012 χ^2/NDF:1598082.1/33

Out: 79.901+/-0.012 χ^2/NDF:1420921.3/37

All: 80.139+/-0.009 χ^2/NDF: 3019781.7/71

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.065+/-0.033 χ^2/NDF: 14.2/15

Left Out: 0.028+/-0.020 χ^2/NDF:21.9/18

Right Out: -0.030+/-0.033 χ^2/NDF: 18.1/18

Left In: 0.001+/-0.021 χ^2/NDF:18.2/17

Left: 0.015+/-0.014 χ^2/NDF: 41.0/36

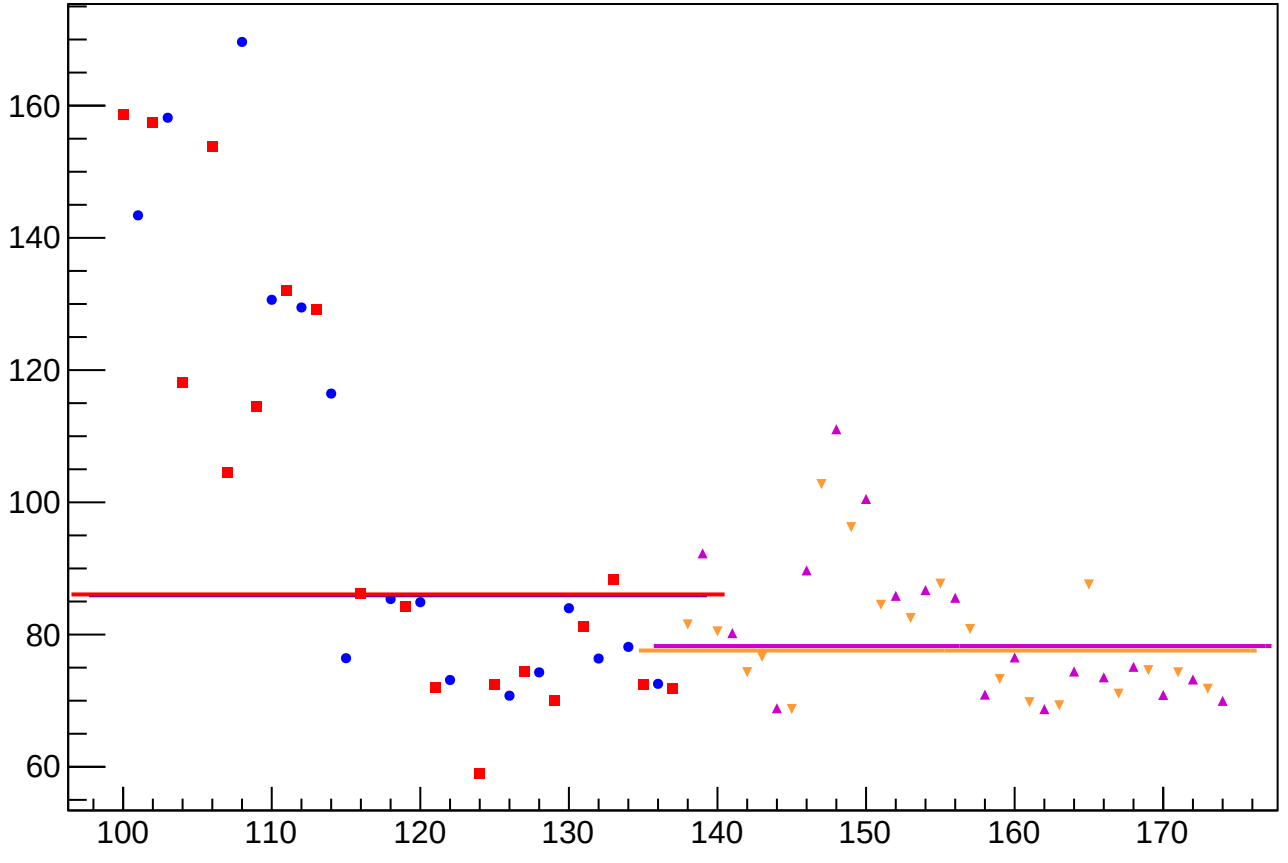
Right: -0.047+/-0.023 χ^2/NDF: 32.8/34

In: -0.017+/-0.017 χ^2/NDF:35.2/33

Out: 0.012+/-0.017 χ^2/NDF:42.3/37

All: -0.002+/-0.012 χ^2/NDF: 78.9/71

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 85.943+/-0.024 χ^2/NDF: 1034986.7/15

Left Out: 77.590+/-0.014 χ^2/NDF:333240.6/18

Right Out: 86.070+/-0.023 χ^2/NDF: 991365.2/18

Left In: 78.268+/-0.015 χ^2/NDF:486189.4/17

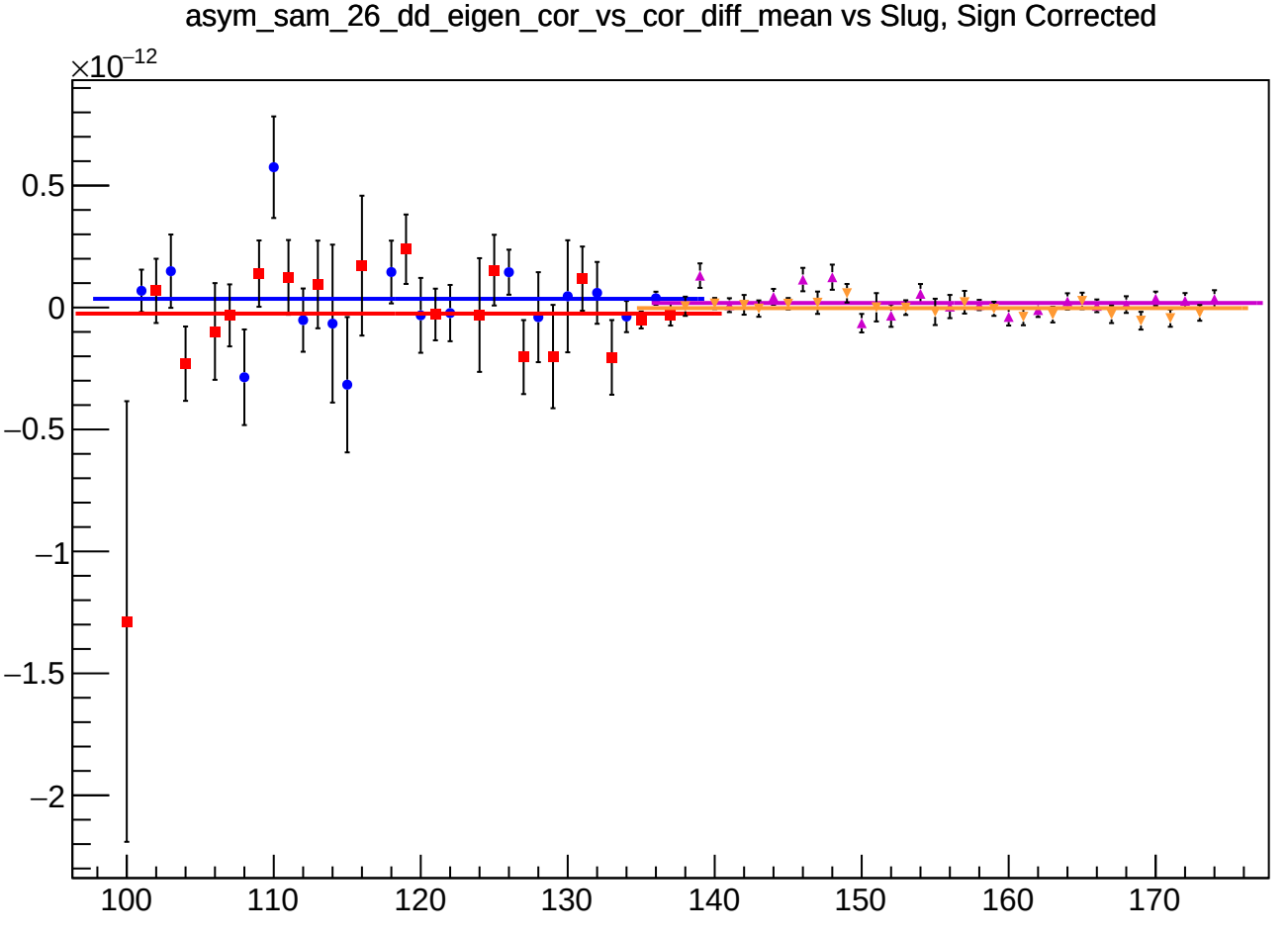
Left: 77.923+/-0.010 χ^2/NDF: 820539.1/36

Right: 86.007+/-0.017 χ^2/NDF: 2026366.7/34

In: 80.385+/-0.012 χ^2/NDF:1598082.1/33

Out: 79.901+/-0.012 χ^2/NDF:1420921.3/37

All: 80.139+/-0.009 χ^2/NDF: 3019781.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:25.5/17

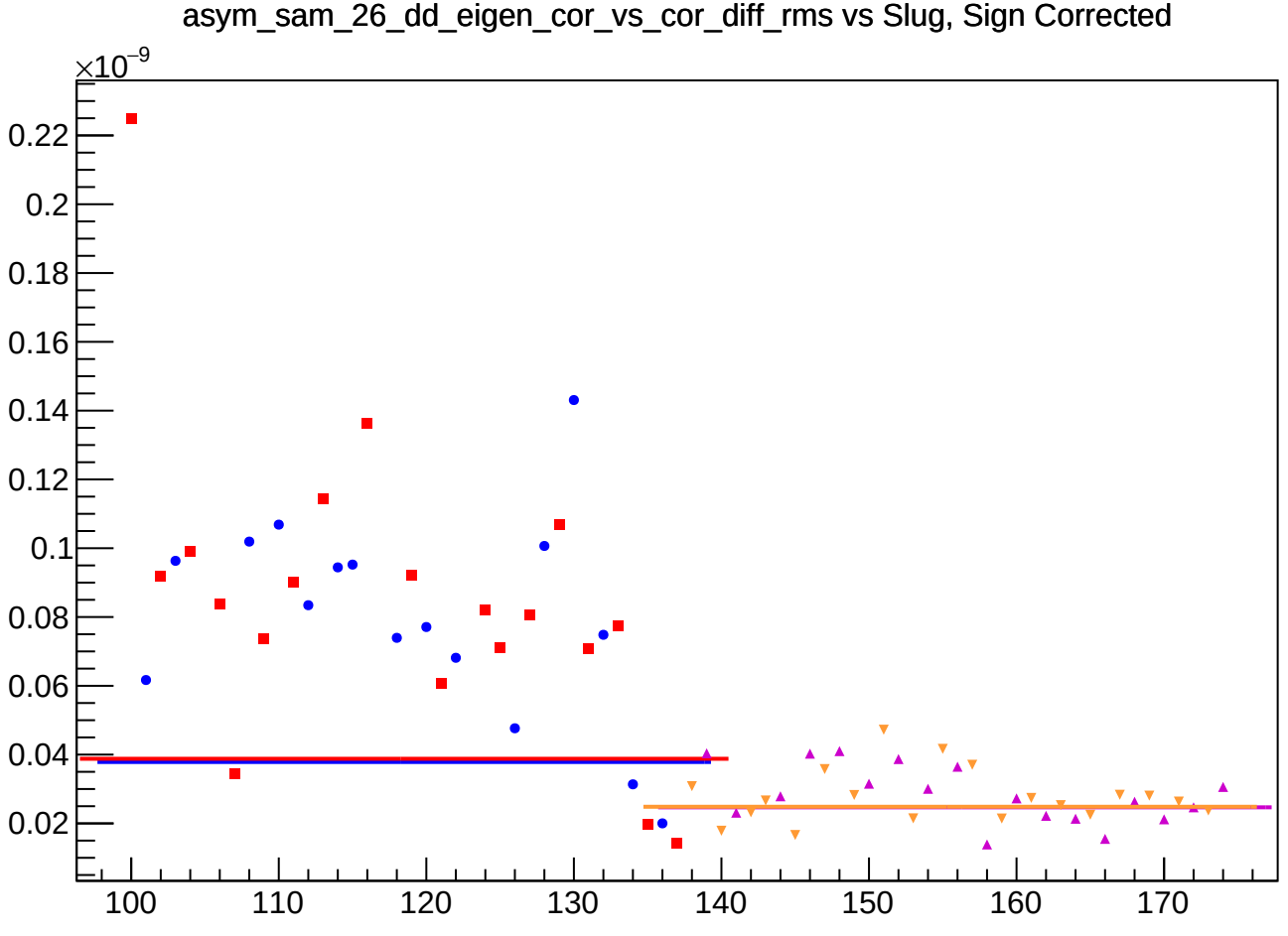
Left: 0.000+/-0.000 χ^2/NDF: 40.5/36

Right: 0.000+/-0.000 χ^2/NDF: 38.2/34

In: 0.000+/-0.000 χ^2/NDF:42.5/33

Out: -0.000+/-0.000 χ^2/NDF:30.1/37

All: 0.000+/-0.000 χ^2/NDF: 78.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 3456922.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1361273.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4121603.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1951510.0/17

Left: 0.000+/-0.000 χ^2/NDF: 3313211.1/36

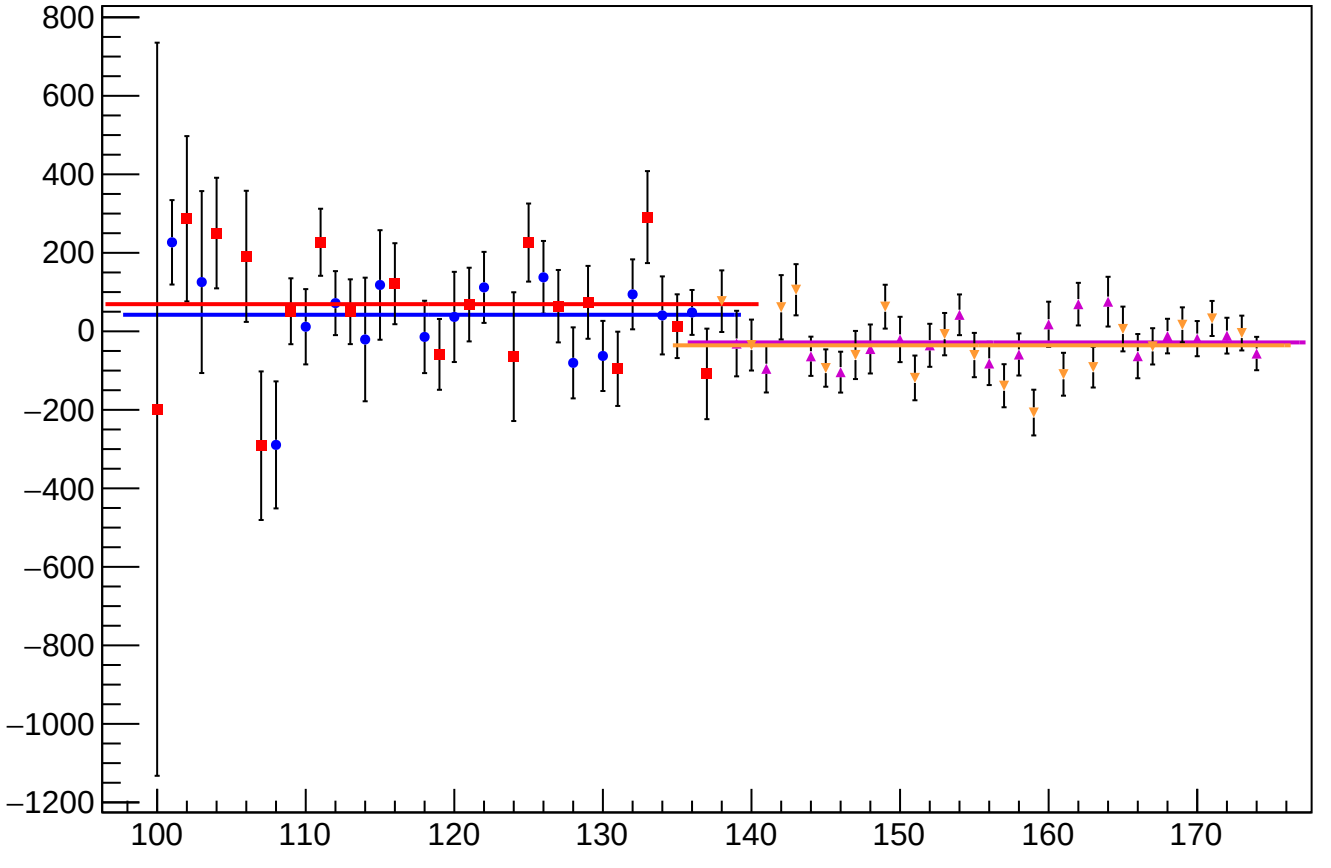
Right: 0.000+/-0.000 χ^2/NDF: 7580417.6/34

In: 0.000+/-0.000 χ^2/NDF:6120480.8/33

Out: 0.000+/-0.000 χ^2/NDF:6186969.3/37

All: 0.000+/-0.000 χ^2/NDF: 12307454.7/71

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.220+/-24.207 χ^2/NDF: 13.6/15

Left Out: -35.619+/-12.498 χ^2/NDF:35.4/18

Right Out: 69.249+/-24.418 χ^2/NDF: 25.4/18

Left In: -28.225+/-12.520 χ^2/NDF:14.8/17

Left: -31.929+/-8.845 χ^2/NDF: 50.4/36

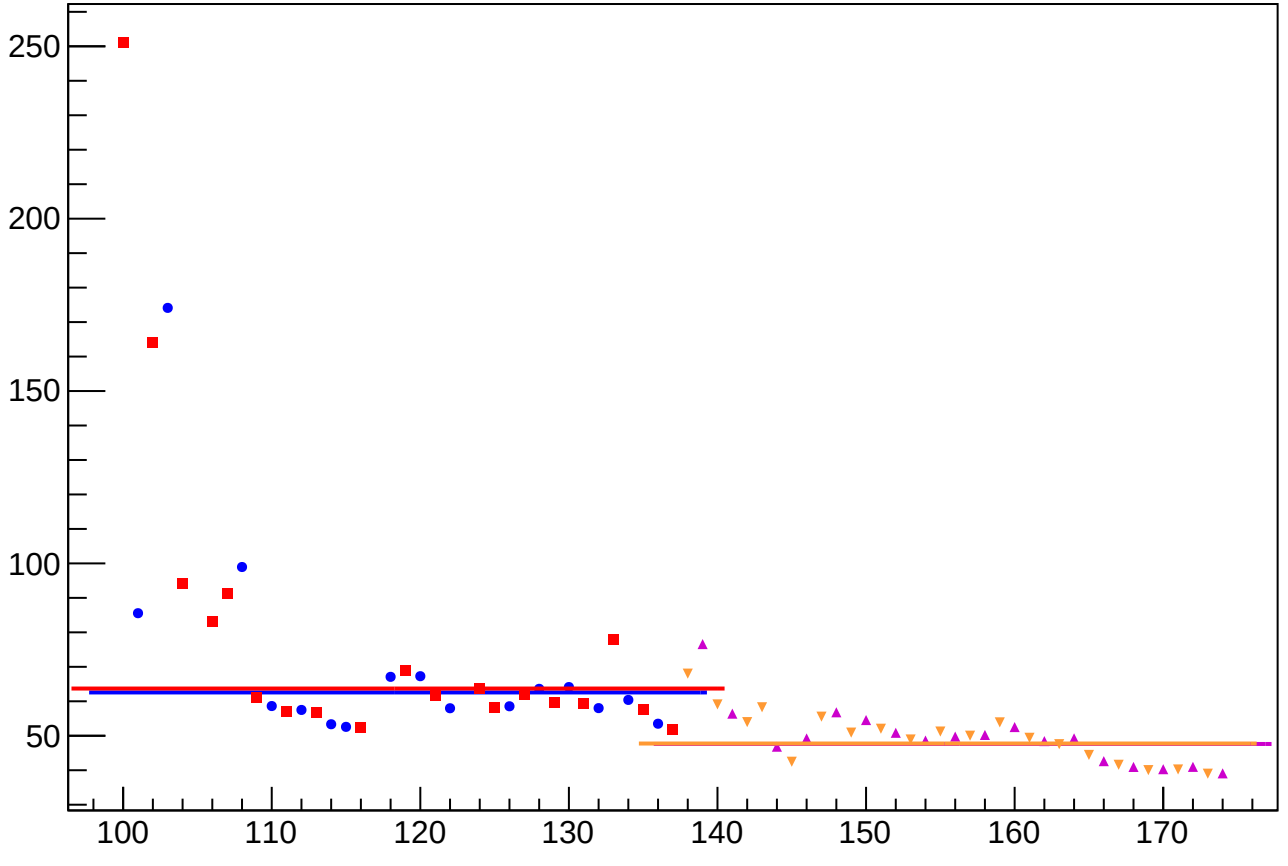
Right: 55.617+/-17.191 χ^2/NDF: 39.5/34

In: -13.358+/-11.121 χ^2/NDF:35.0/33

Out: -13.850+/-11.125 χ^2/NDF:75.4/37

All: -13.604+/-7.865 χ^2/NDF: 110.4/71

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758603.5/15

Left Out: 47.747+/-0.009 χ^2/NDF:605906.7/18

Right Out: 63.699+/-0.017 χ^2/NDF: 834180.2/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

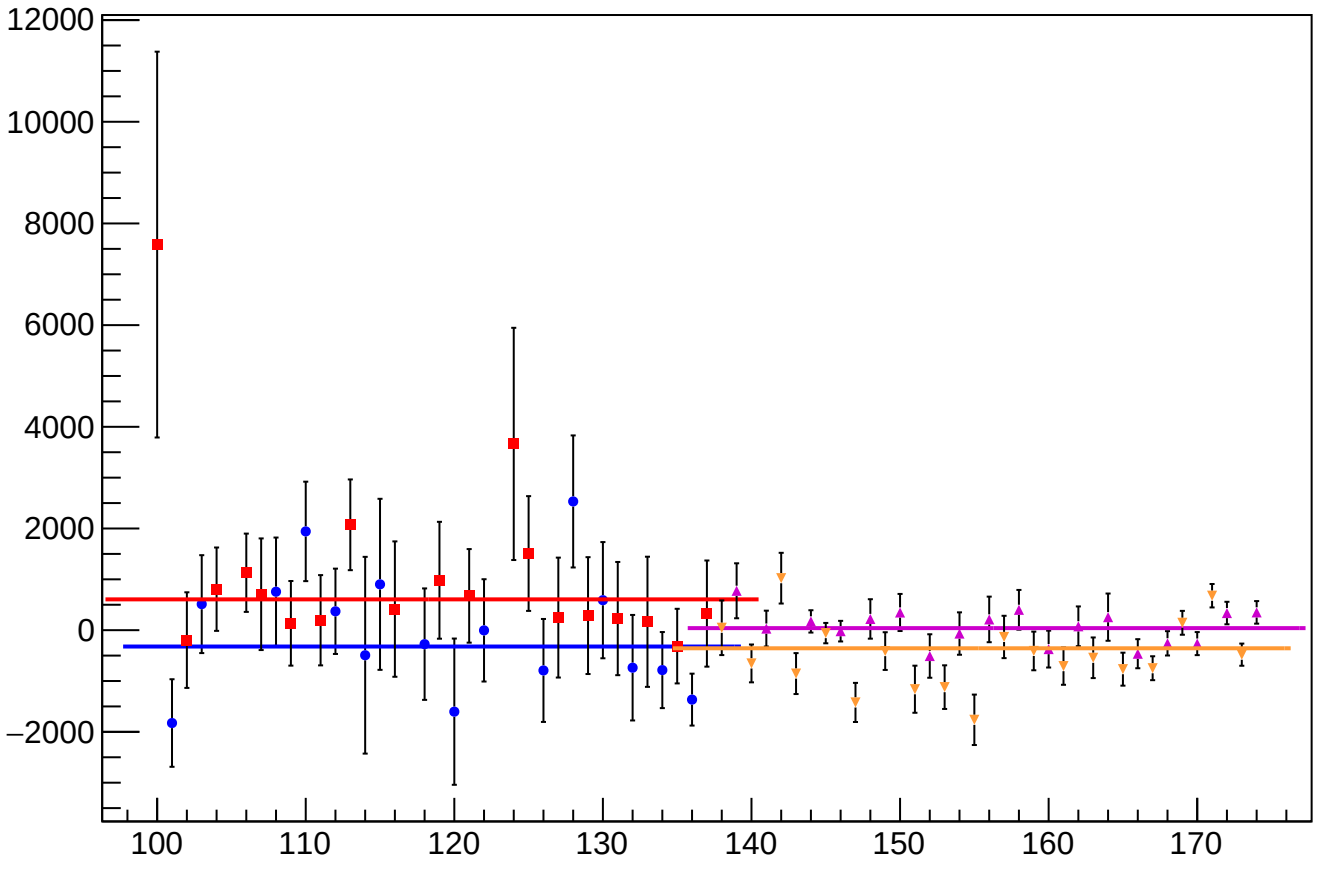
Left: 47.682+/-0.006 χ^2/NDF: 1233333.6/36

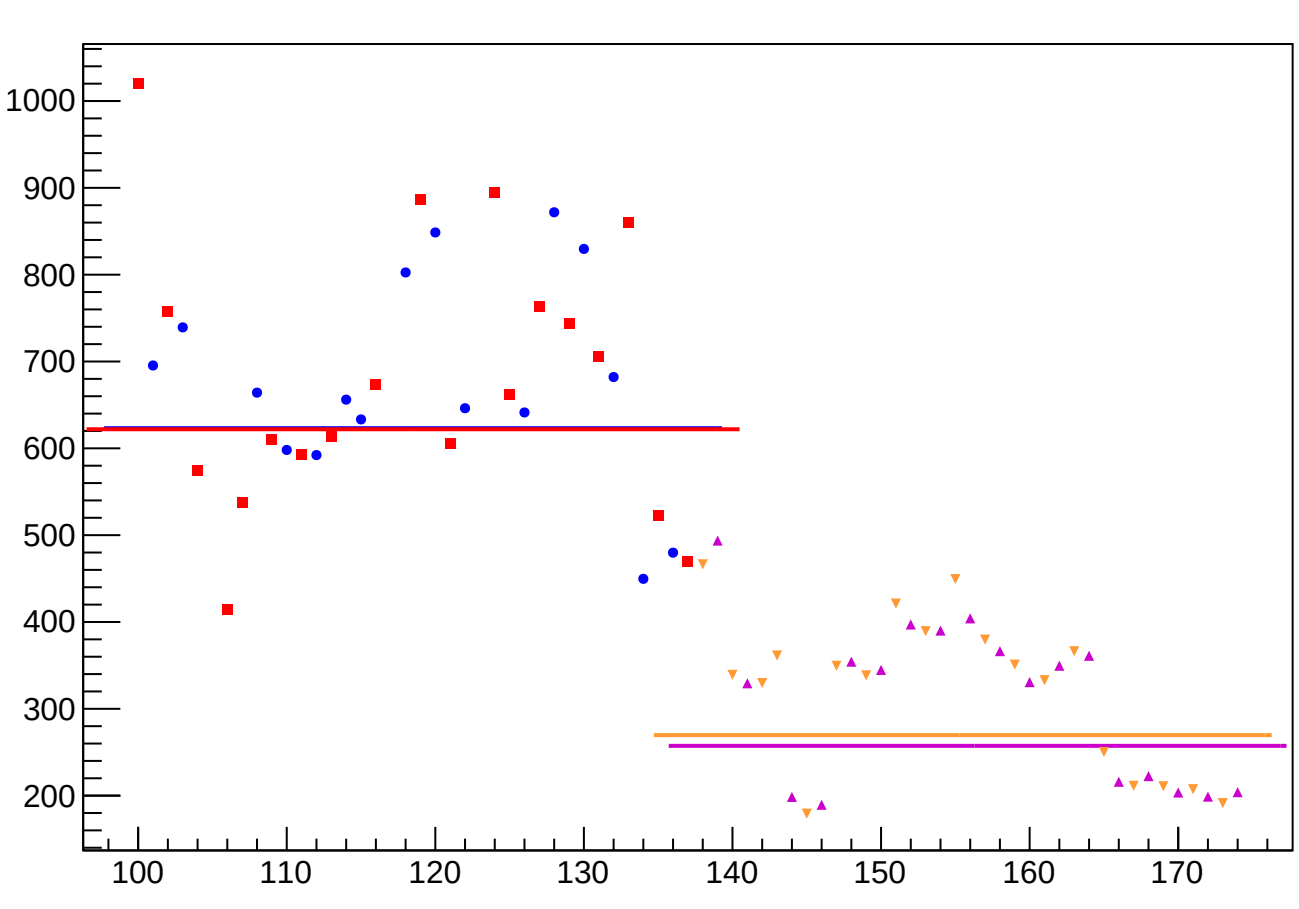
Right: 63.127+/-0.012 χ^2/NDF: 1594958.1/34

In: 50.772+/-0.008 χ^2/NDF:1987600.1/33

Out: 51.058+/-0.008 χ^2/NDF:2116517.7/37

All: 50.915+/-0.006 χ^2/NDF: 4104777.9/71


asym_sam_37_dd_reg_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -321.663+/-238.482 χ²/NDF: 22.7/15
Left Out: -356.281+/-73.330 χ²/NDF:65.4/18
Right Out: 605.859+/-233.643 χ²/NDF: 12.5/18
Left In: 40.233+/-70.340 χ²/NDF:17.7/17
Left: -149.777+/-50.762 χ²/NDF: 98.2/36
Right: 151.604+/-166.895 χ²/NDF: 42.9/34
In: 11.270+/-67.467 χ²/NDF:42.5/33
Out: -270.004+/-69.965 χ²/NDF:93.3/37
All: -124.257+/-48.565 χ²/NDF: 144.1/71



Right In: 623.181+/-0.169 χ^2/NDF: 565524.7/15

Left Out: 269.694+/-0.052 χ^2/NDF:2733287.6/18

Right Out: 621.975+/-0.165 χ^2/NDF: 582591.9/18

Left In: 257.345+/-0.050 χ^2/NDF:2605187.8/17

Left: 263.263+/-0.036 χ^2/NDF: 5368015.4/36

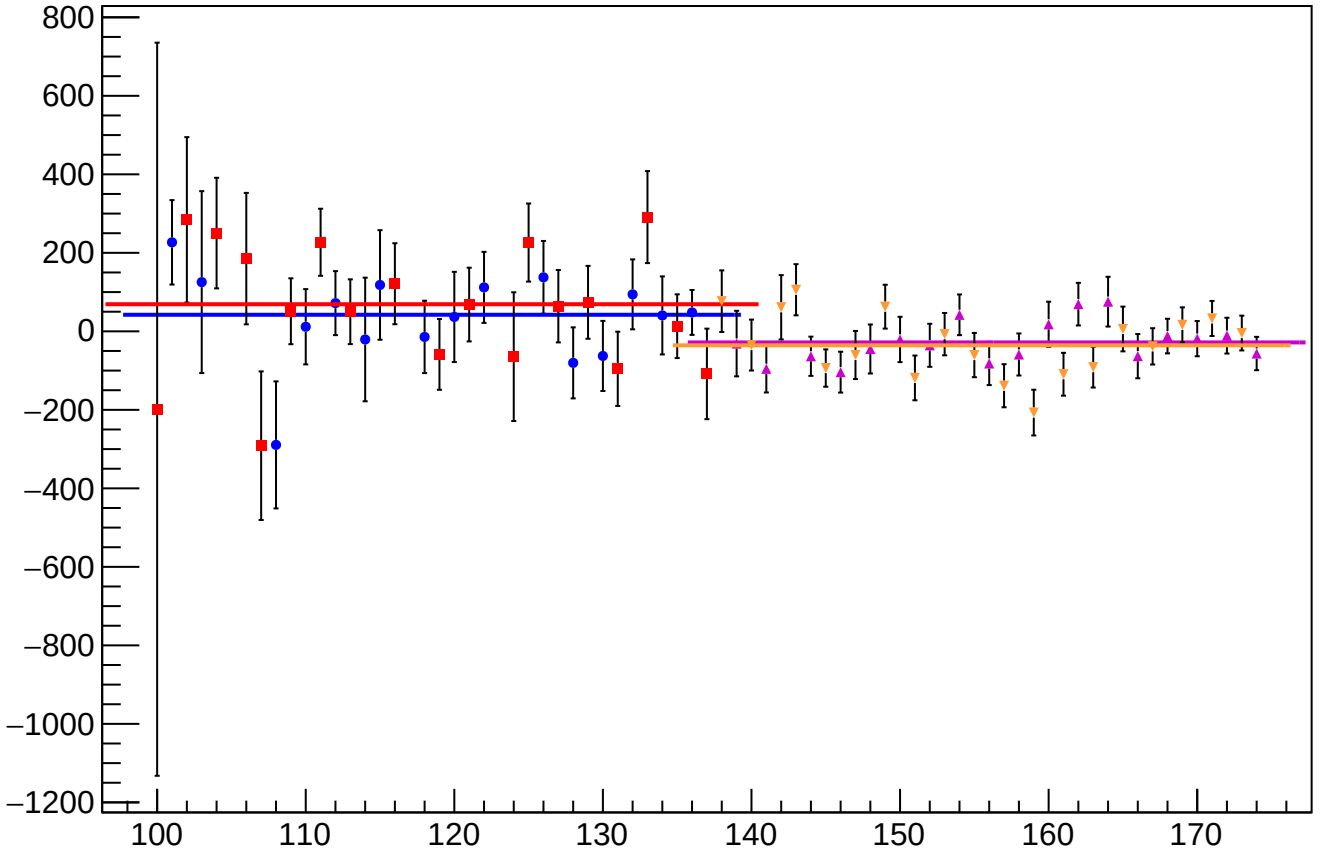
Right: 622.565+/-0.118 χ^2/NDF: 1148142.8/34

In: 286.624+/-0.048 χ^2/NDF:7500462.9/33

Out: 301.284+/-0.049 χ^2/NDF:7454922.5/37

All: 293.687+/-0.034 χ^2/NDF: 15000883.2/71

cor_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -35.617+/-12.498 χ^2/NDF:35.4/18

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -28.223+/-12.520 χ^2/NDF:14.8/17

Left: -31.926+/-8.845 χ^2/NDF: 50.4/36

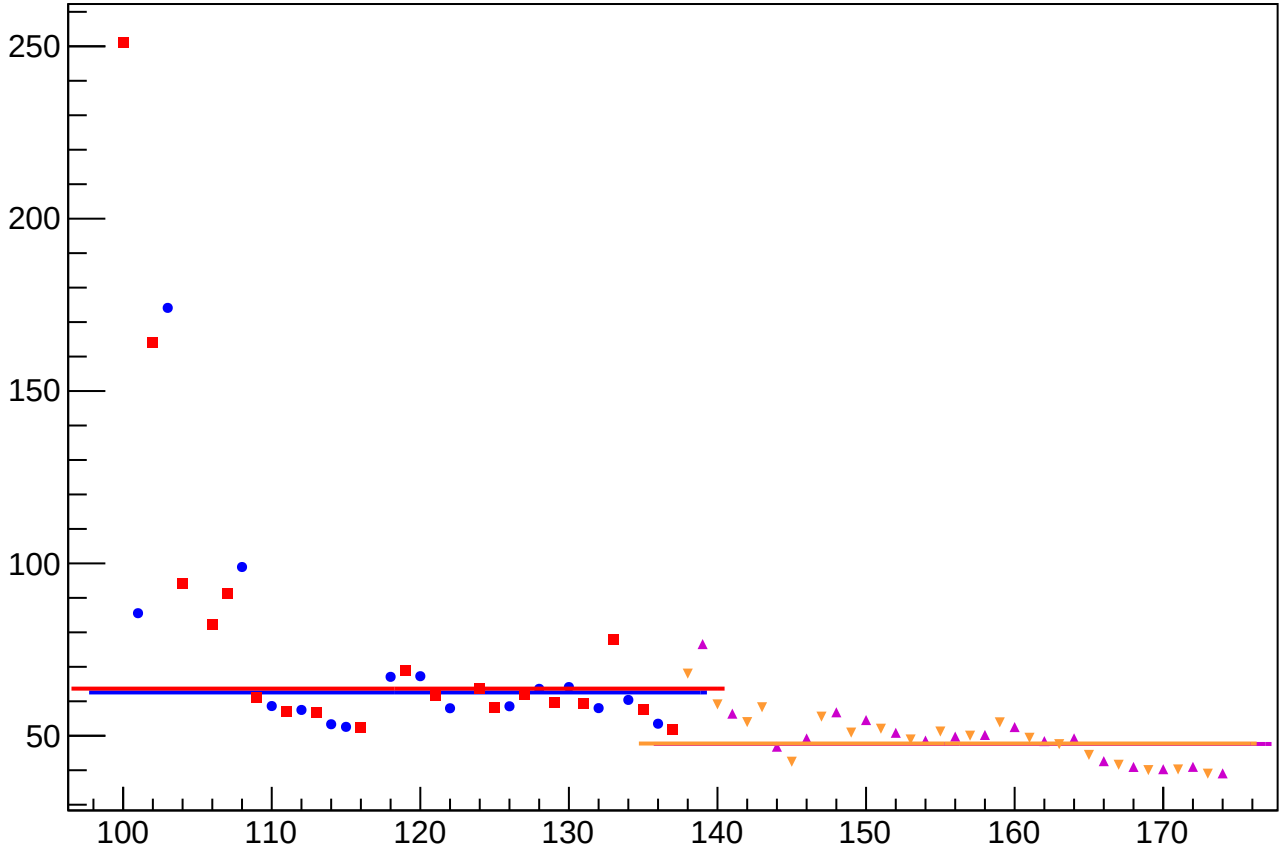
Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.357+/-11.121 χ^2/NDF:35.0/33

Out: -13.888+/-11.125 χ^2/NDF:75.3/37

All: -13.623+/-7.865 χ^2/NDF: 110.3/71

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.747+/-0.009 χ^2/NDF:605906.6/18

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

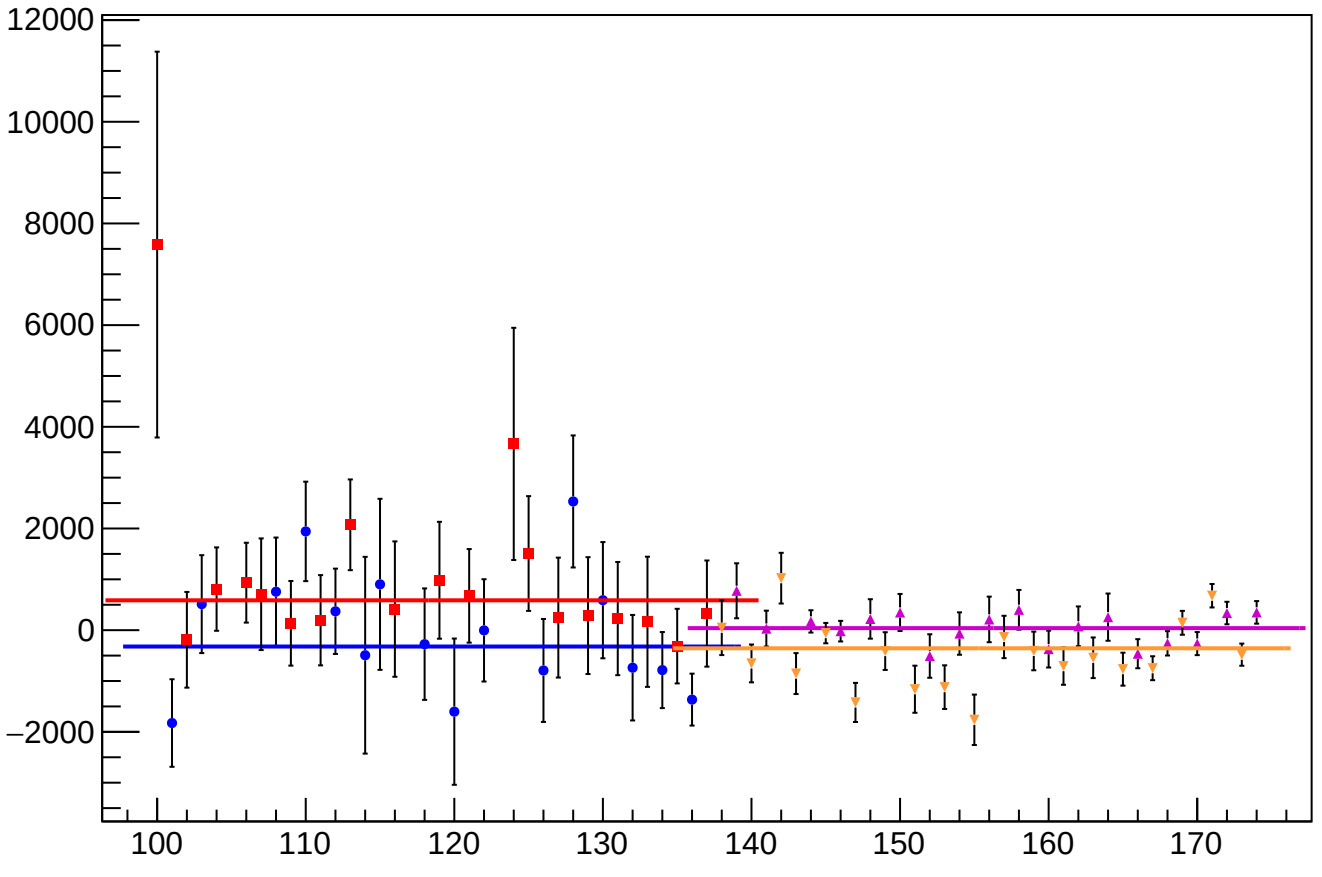
Left: 47.682+/-0.006 χ^2/NDF: 1233333.6/36

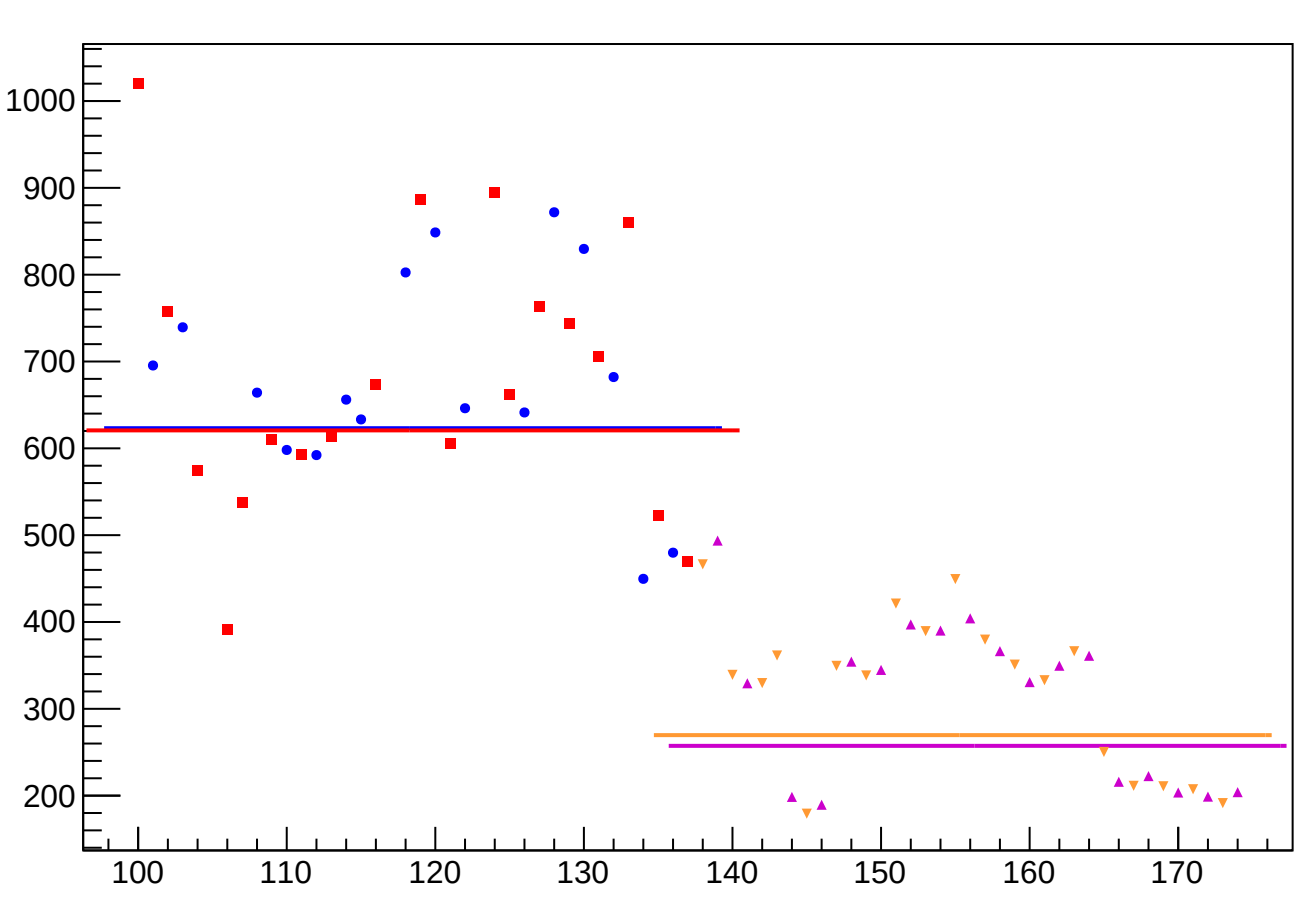
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.772+/-0.008 χ^2/NDF:1987601.9/33

Out: 51.053+/-0.008 χ^2/NDF:2111659.3/37

All: 50.912+/-0.006 χ^2/NDF: 4099897.0/71


asym_sam_37_dd_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: -321.660+/-238.484 χ²/NDF: 22.7/15
Left Out: -356.276+/-73.330 χ²/NDF:65.4/18
Right Out: 587.224+/-234.080 χ²/NDF: 12.2/18
Left In: 40.237+/-70.340 χ²/NDF:17.7/17
Left: -149.773+/-50.762 χ²/NDF: 98.2/36
Right: 141.251+/-167.055 χ²/NDF: 42.3/34
In: 11.273+/-67.467 χ²/NDF:42.5/33
Out: -271.959+/-69.976 χ²/NDF:92.3/37
All: -125.173+/-48.569 χ²/NDF: 143.3/71



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 269.694+/-0.052 χ^2/NDF:2733293.4/18

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

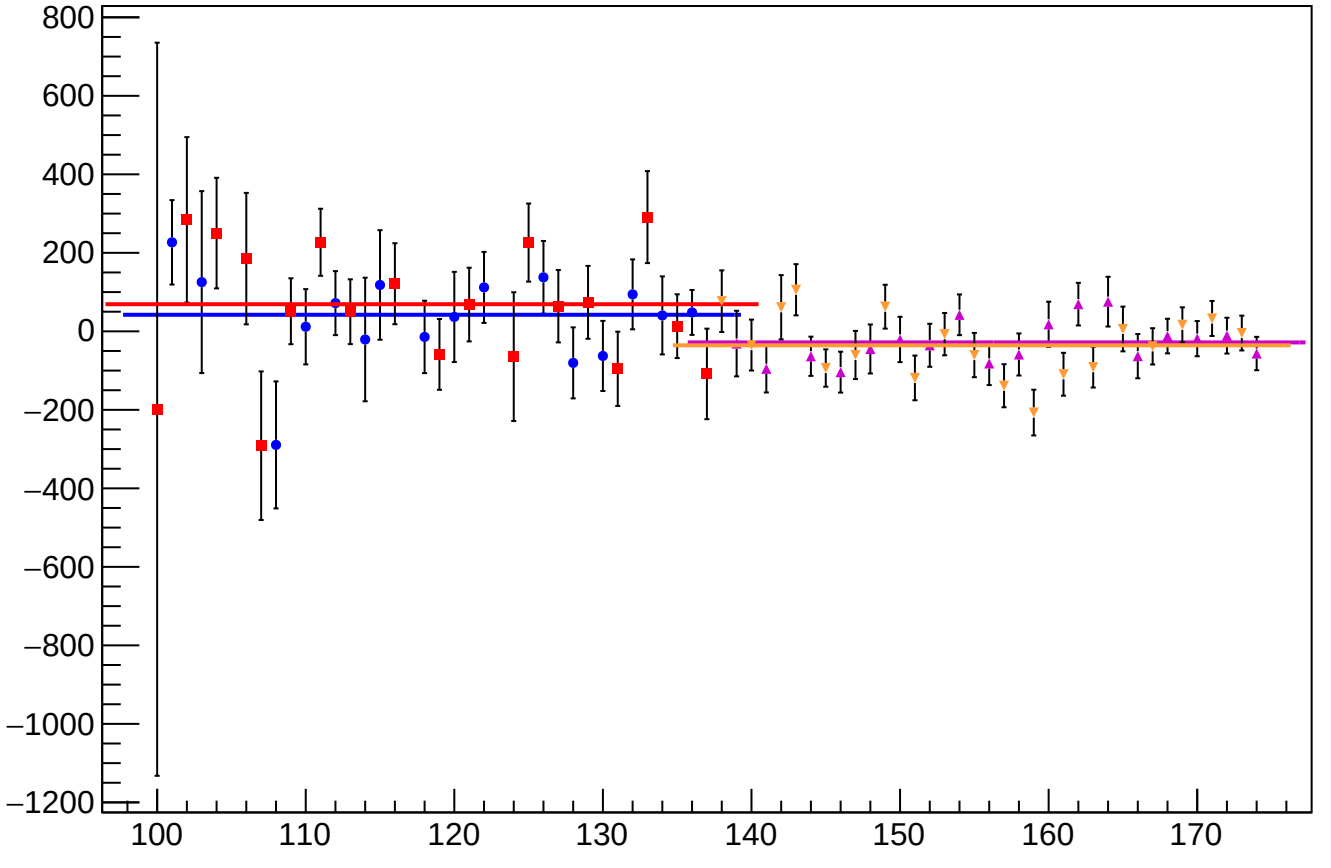
Left: 263.263+/-0.036 χ^2/NDF: 5368014.5/36

Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 286.624+/-0.048 χ^2/NDF:7500506.4/33

Out: 301.060+/-0.049 χ^2/NDF:7438380.3/37

All: 293.578+/-0.034 χ^2/NDF: 14982998.2/71



Right In: 42.213+/-24.207 χ^2/NDF: 13.6/15

Left Out: -35.617+/-12.498 χ^2/NDF:35.4/18

Right Out: 69.068+/-24.420 χ^2/NDF: 25.3/18

Left In: -28.223+/-12.520 χ^2/NDF:14.8/17

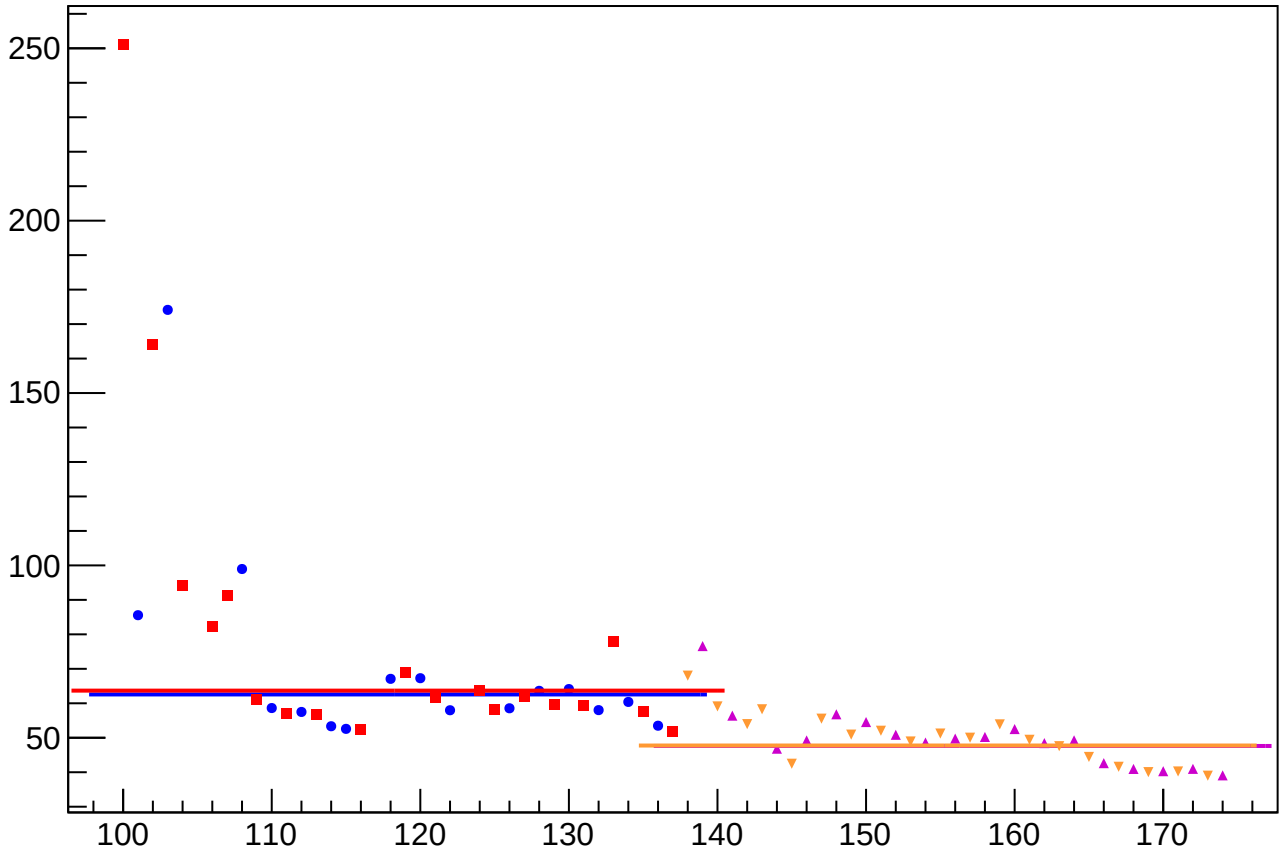
Left: -31.926+/-8.845 χ^2/NDF: 50.4/36

Right: 55.523+/-17.192 χ^2/NDF: 39.4/34

In: -13.357+/-11.121 χ^2/NDF:35.0/33

Out: -13.888+/-11.125 χ^2/NDF:75.3/37

All: -13.623+/-7.865 χ^2/NDF: 110.3/71



Right In: 62.566+/-0.017 χ^2/NDF: 758605.6/15

Left Out: 47.747+/-0.009 χ^2/NDF:605906.6/18

Right Out: 63.675+/-0.017 χ^2/NDF: 831432.5/18

Left In: 47.618+/-0.009 χ^2/NDF:627320.8/17

Left: 47.682+/-0.006 χ^2/NDF: 1233333.6/36

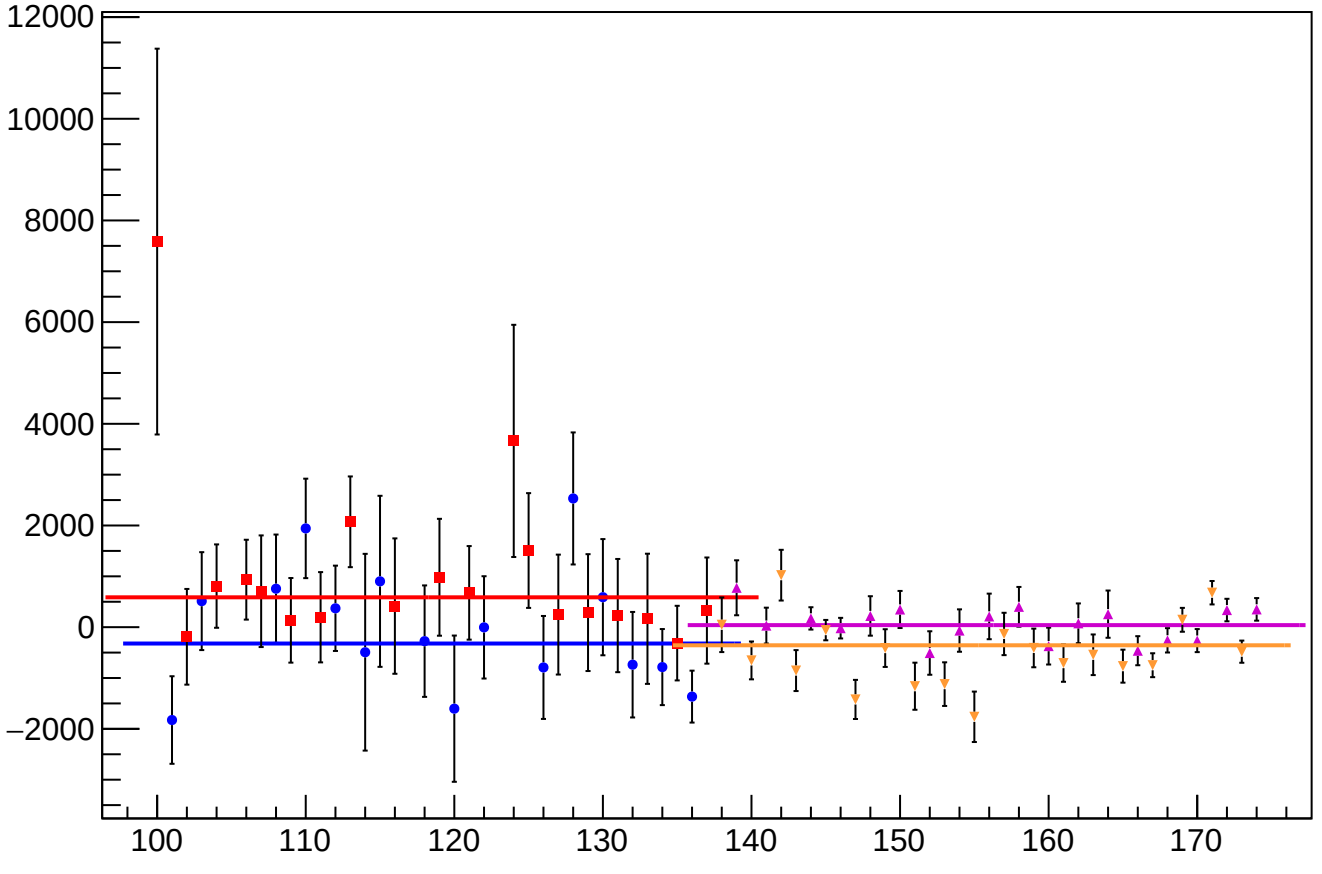
Right: 63.115+/-0.012 χ^2/NDF: 1592120.8/34

In: 50.772+/-0.008 χ^2/NDF:1987601.9/33

Out: 51.053+/-0.008 χ^2/NDF:2111659.3/37

All: 50.912+/-0.006 χ^2/NDF: 4099897.0/71

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -321.660+/-238.484 χ^2/NDF: 22.7/15

Left Out: -356.276+/-73.330 χ^2/NDF:65.4/18

Right Out: 587.224+/-234.080 χ^2/NDF: 12.2/18

Left In: 40.237+/-70.340 χ^2/NDF:17.7/17

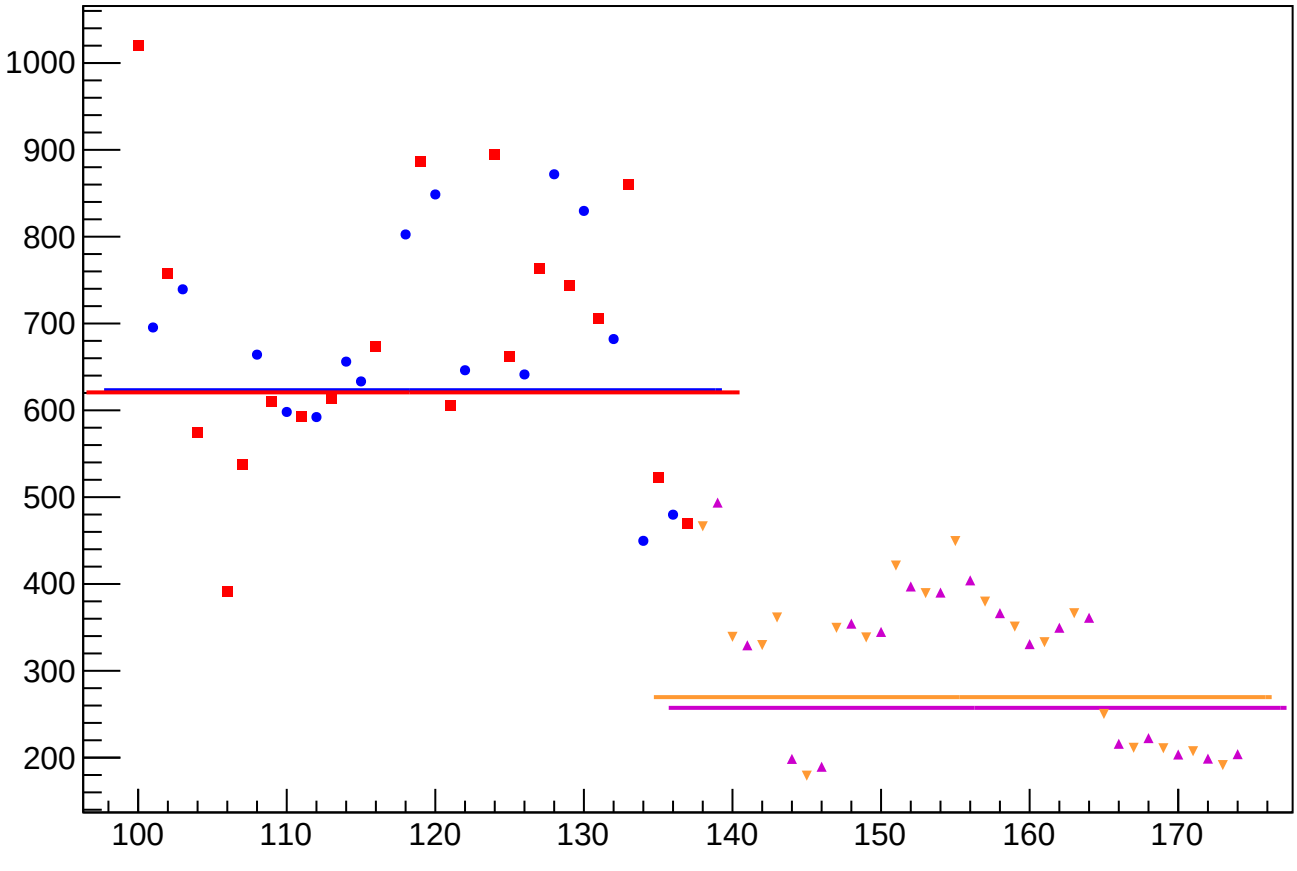
Left: -149.773+/-50.762 χ^2/NDF: 98.2/36

Right: 141.251+/-167.055 χ^2/NDF: 42.3/34

In: 11.273+/-67.467 χ^2/NDF:42.5/33

Out: -271.959+/-69.976 χ^2/NDF:92.3/37

All: -125.173+/-48.569 χ^2/NDF: 143.3/71



Right In: 623.184+/-0.169 χ^2/NDF: 565557.0/15

Left Out: 269.694+/-0.052 χ^2/NDF:2733293.4/18

Right Out: 620.673+/-0.166 χ^2/NDF: 610523.8/18

Left In: 257.345+/-0.050 χ^2/NDF:2605182.5/17

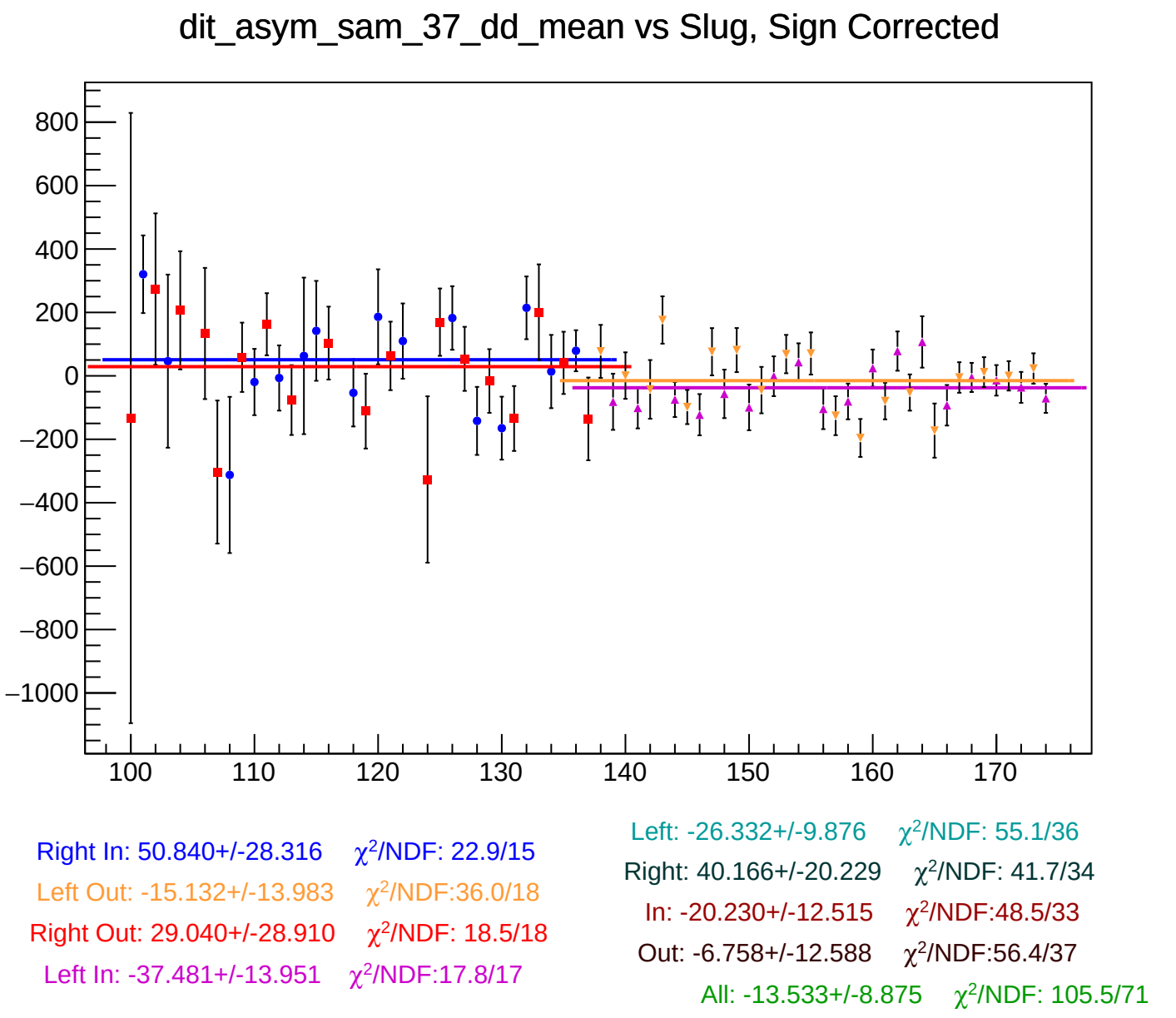
Left: 263.263+/-0.036 χ^2/NDF: 5368014.5/36

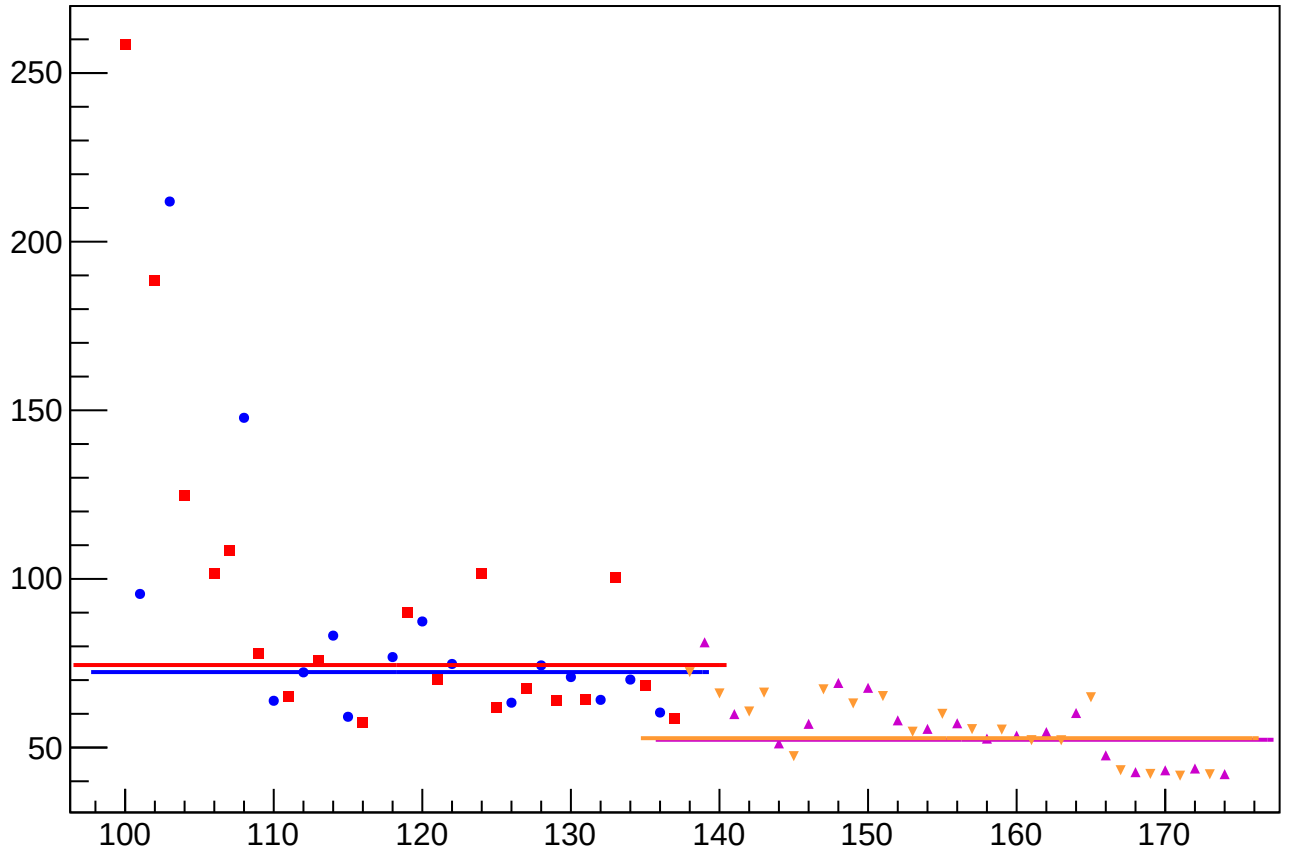
Right: 621.905+/-0.118 χ^2/NDF: 1176193.8/34

In: 286.624+/-0.048 χ^2/NDF:7500506.4/33

Out: 301.060+/-0.049 χ^2/NDF:7438380.3/37

All: 293.578+/-0.034 χ^2/NDF: 14982998.2/71


dit_asym_sam_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
−1000
100
110
120
130
140
150
160
170
Right In: 50.840+/-28.316 χ²/NDF: 22.9/15
Left Out: -15.132+/-13.983 χ²/NDF:36.0/18
Right Out: 29.040+/-28.910 χ²/NDF: 18.5/18
Left In: -37.481+/-13.951 χ²/NDF:17.8/17
Left: -26.332+/-9.876 χ²/NDF: 55.1/36
Right: 40.166+/-20.229 χ²/NDF: 41.7/34
In: -20.230+/-12.515 χ²/NDF:48.5/33
Out: -6.758+/-12.588 χ²/NDF:56.4/37
All: -13.533+/-8.875 χ²/NDF: 105.5/71



Right In: 72.378+/-0.020 χ^2/NDF: 938175.3/15

Left Out: 52.773+/-0.010 χ^2/NDF:921029.3/18

Right Out: 74.463+/-0.020 χ^2/NDF: 1052296.6/18

Left In: 52.306+/-0.010 χ^2/NDF:825931.3/17

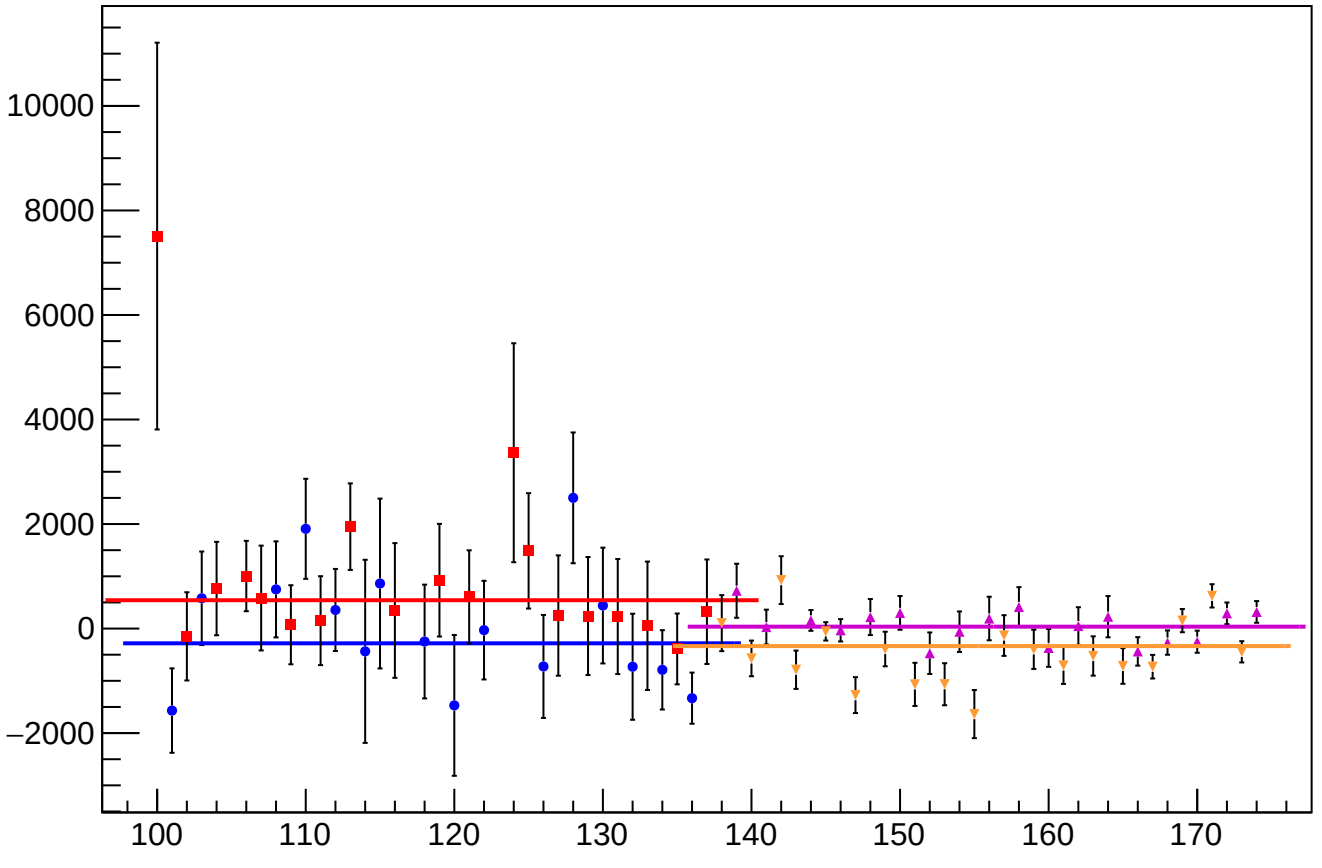
Left: 52.539+/-0.007 χ^2/NDF: 1748080.8/36

Right: 73.399+/-0.014 χ^2/NDF: 1995784.4/34

In: 56.226+/-0.009 χ^2/NDF:2572779.1/33

Out: 56.885+/-0.009 χ^2/NDF:2885737.9/37

All: 56.554+/-0.006 χ^2/NDF: 5461273.3/71



Right In: -282.039+/-227.789 χ^2/NDF: 22.8/15

Left Out: -335.254+/-68.573 χ^2/NDF:64.4/18

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 36.280+/-66.477 χ^2/NDF:17.5/17

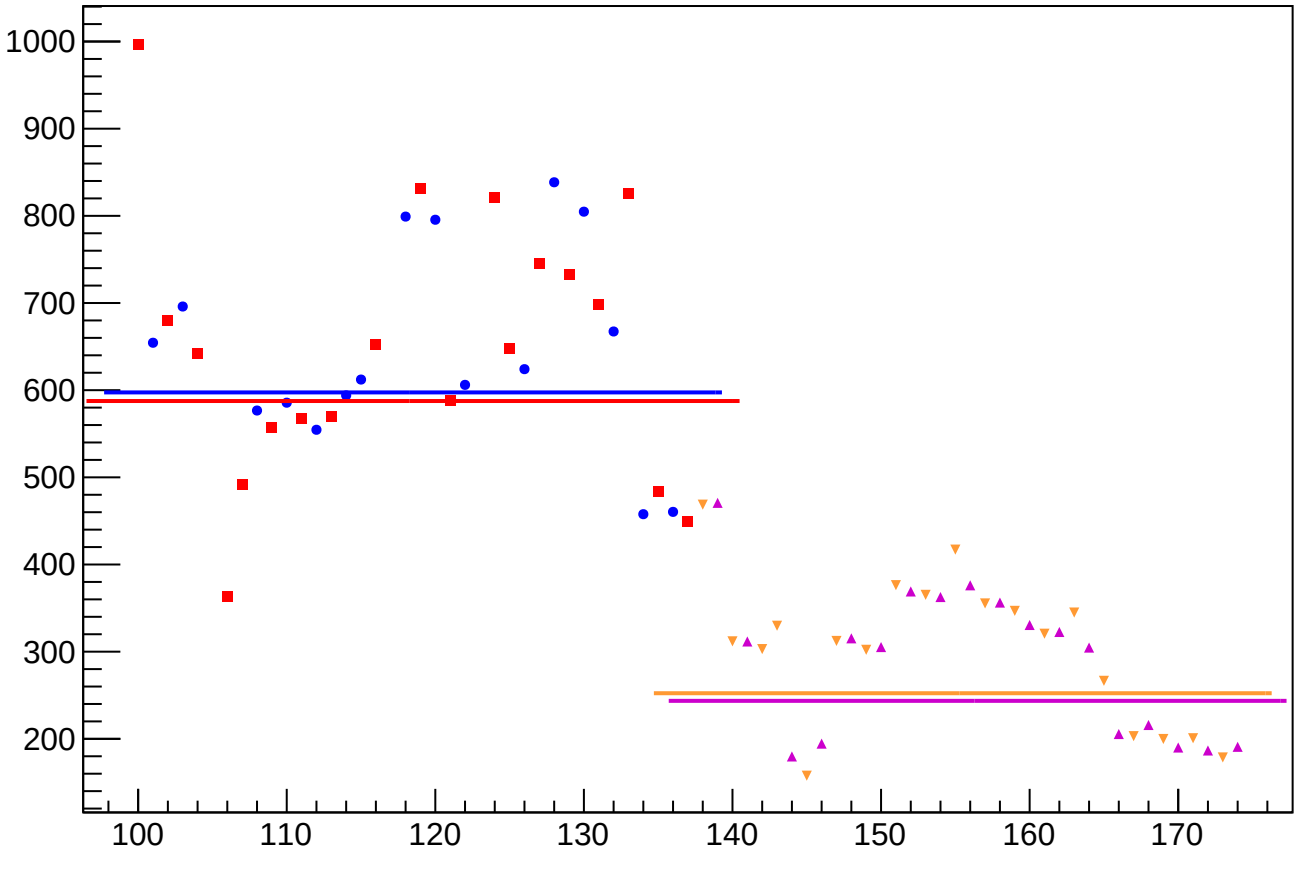
Left: -143.723+/-47.730 χ^2/NDF: 97.0/36

Right: 142.636+/-158.581 χ^2/NDF: 42.8/34

In: 11.297+/-63.815 χ^2/NDF:42.1/33

Out: -258.150+/-65.490 χ^2/NDF:92.0/37

All: -119.937+/-45.705 χ^2/NDF: 142.8/71



Right In: 597.438+/-0.161 χ^2/NDF: 533791.9/15

Left Out: 252.323+/-0.048 χ^2/NDF:2824796.2/18

Right Out: 587.565+/-0.156 χ^2/NDF: 689035.8/18

Left In: 243.584+/-0.047 χ^2/NDF:2443707.2/17

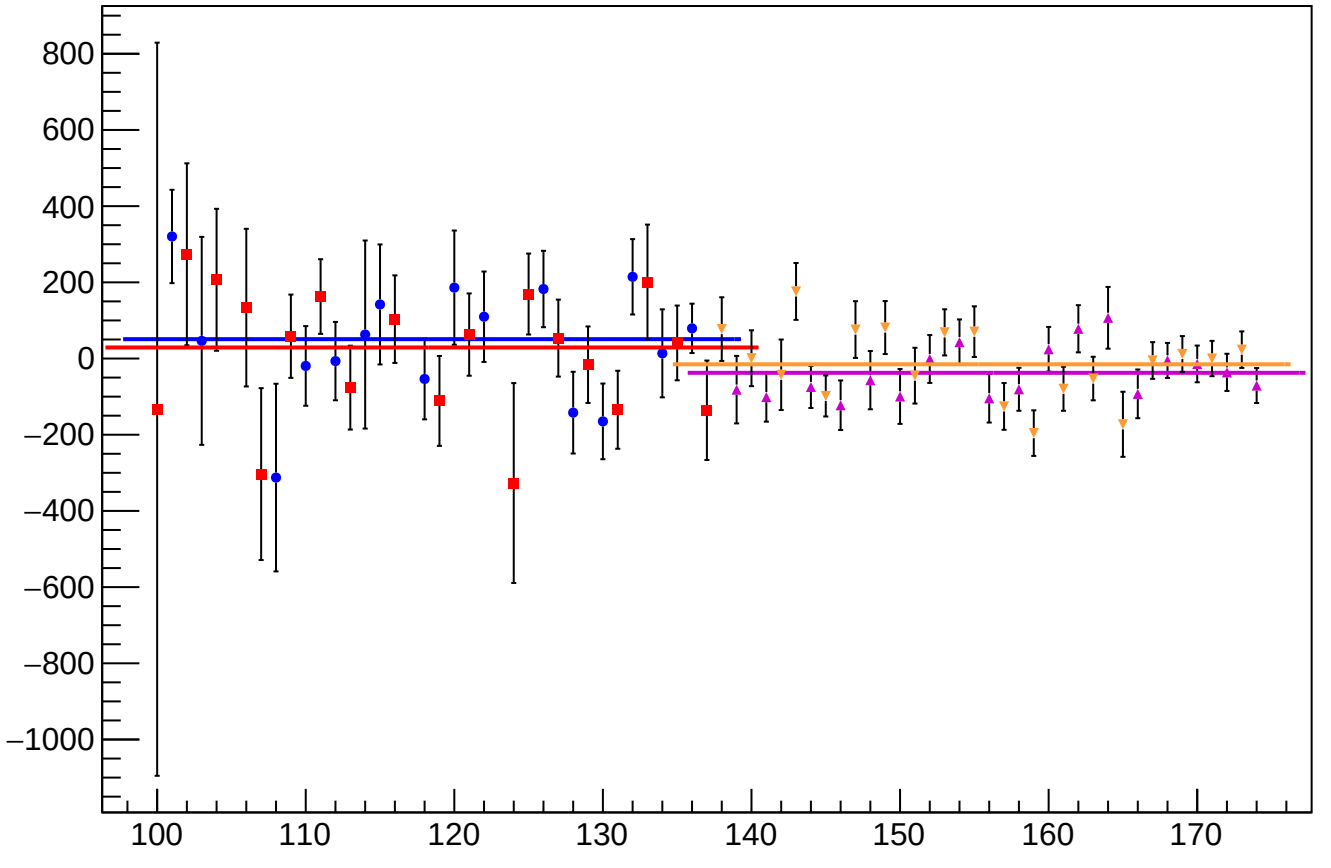
Left: 247.818+/-0.034 χ^2/NDF: 5285247.1/36

Right: 592.350+/-0.112 χ^2/NDF: 1224764.0/34

In: 271.356+/-0.045 χ^2/NDF:7424980.0/33

Out: 281.788+/-0.046 χ^2/NDF:7715158.5/37

All: 276.437+/-0.032 χ^2/NDF: 15166166.6/71



Right In: 50.840+/-28.316 χ^2/NDF: 22.9/15

Left Out: -15.131+/-13.983 χ^2/NDF:36.0/18

Right Out: 29.038+/-28.910 χ^2/NDF: 18.5/18

Left In: -37.481+/-13.951 χ^2/NDF:17.8/17

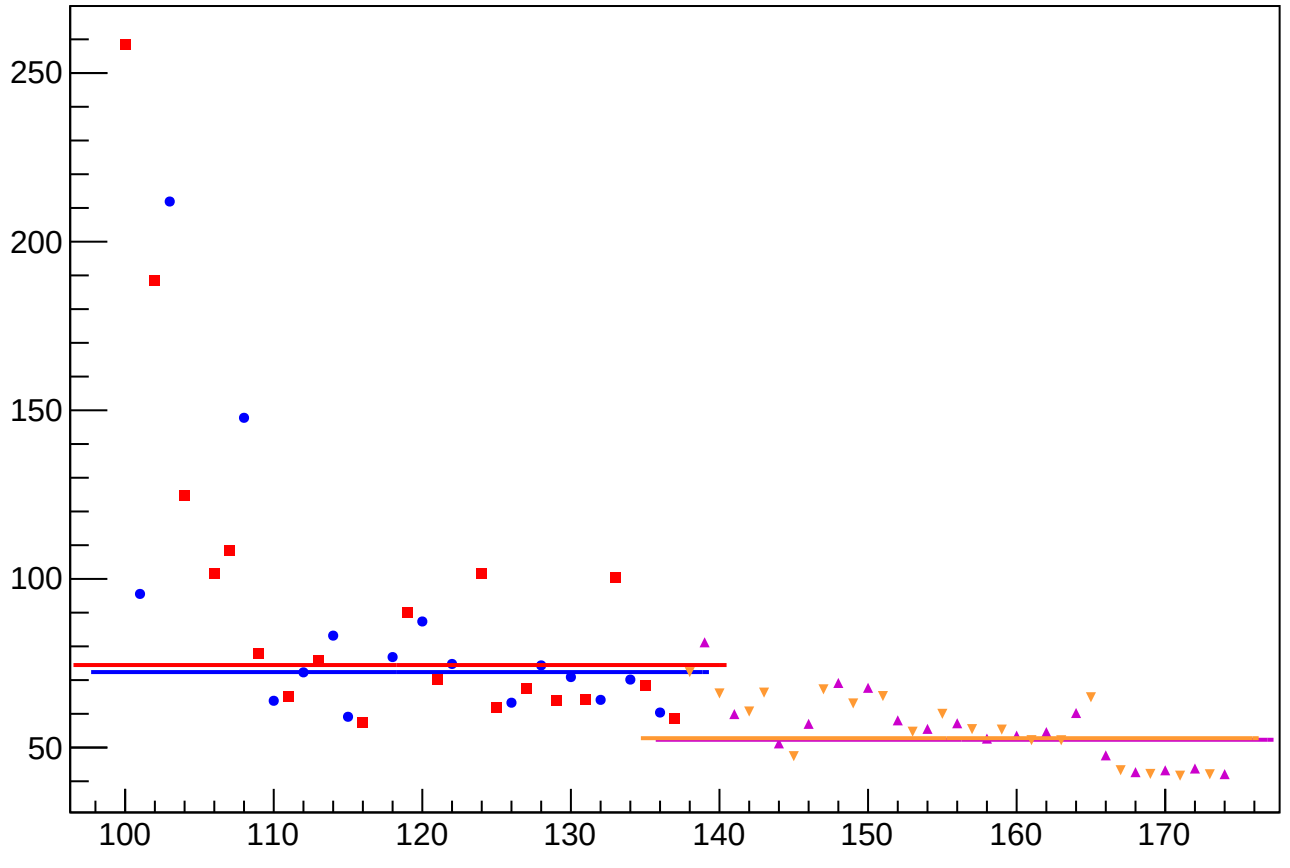
Left: -26.332+/-9.876 χ^2/NDF: 55.1/36

Right: 40.165+/-20.229 χ^2/NDF: 41.7/34

In: -20.230+/-12.515 χ^2/NDF:48.5/33

Out: -6.758+/-12.588 χ^2/NDF:56.4/37

All: -13.533+/-8.875 χ^2/NDF: 105.5/71



Right In: 72.378+/-0.020 χ^2/NDF: 938180.0/15

Left Out: 52.773+/-0.010 χ^2/NDF:921052.0/18

Right Out: 74.463+/-0.020 χ^2/NDF: 1052290.0/18

Left In: 52.306+/-0.010 χ^2/NDF:825939.8/17

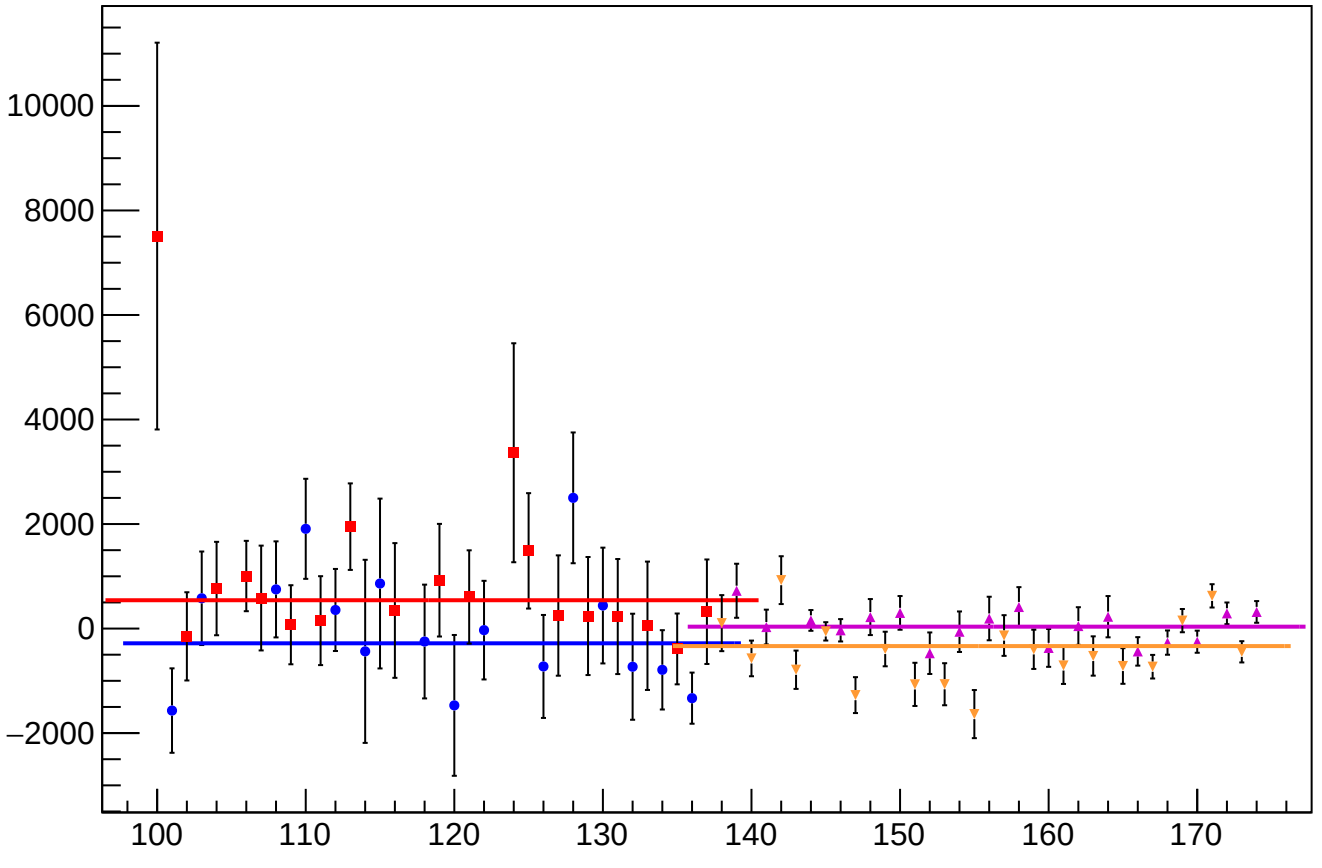
Left: 52.539+/-0.007 χ^2/NDF: 1748111.9/36

Right: 73.399+/-0.014 χ^2/NDF: 1995782.9/34

In: 56.226+/-0.009 χ^2/NDF:2572774.6/33

Out: 56.885+/-0.009 χ^2/NDF:2885740.1/37

All: 56.554+/-0.006 χ^2/NDF: 5461271.1/71



Right In: -282.038+/-227.789 χ^2/NDF: 22.8/15

Left Out: -335.255+/-68.573 χ^2/NDF:64.4/18

Right Out: 542.028+/-220.904 χ^2/NDF: 13.3/18

Left In: 36.279+/-66.477 χ^2/NDF:17.5/17

Left: -143.724+/-47.730 χ^2/NDF: 97.0/36

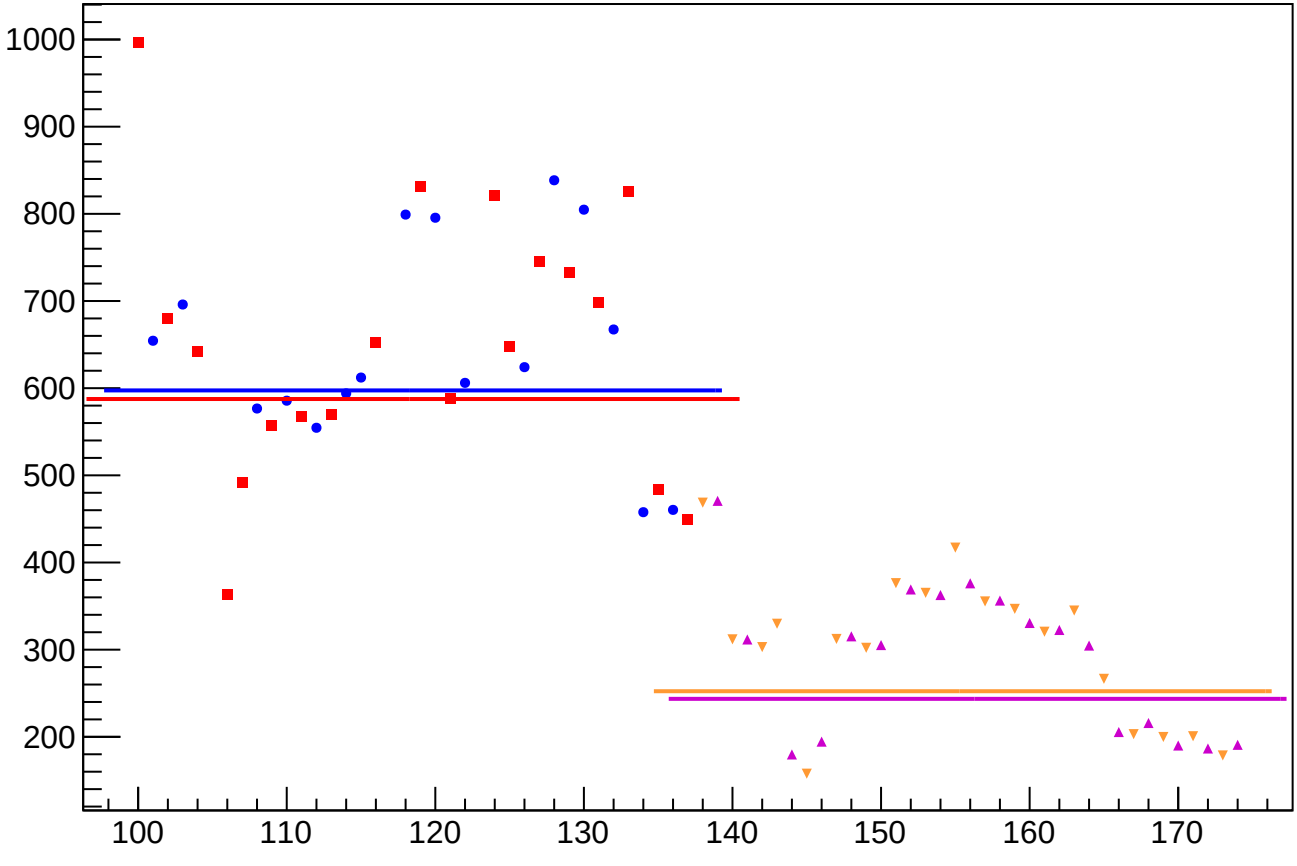
Right: 142.637+/-158.581 χ^2/NDF: 42.8/34

In: 11.297+/-63.815 χ^2/NDF:42.1/33

Out: -258.150+/-65.490 χ^2/NDF:92.0/37

All: -119.937+/-45.705 χ^2/NDF: 142.8/71

asym_sam_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 597.439+/-0.161 χ^2/NDF: 533790.1/15

Left Out: 252.323+/-0.048 χ^2/NDF:2824786.2/18

Right Out: 587.565+/-0.156 χ^2/NDF: 689033.6/18

Left In: 243.584+/-0.047 χ^2/NDF:2443700.8/17

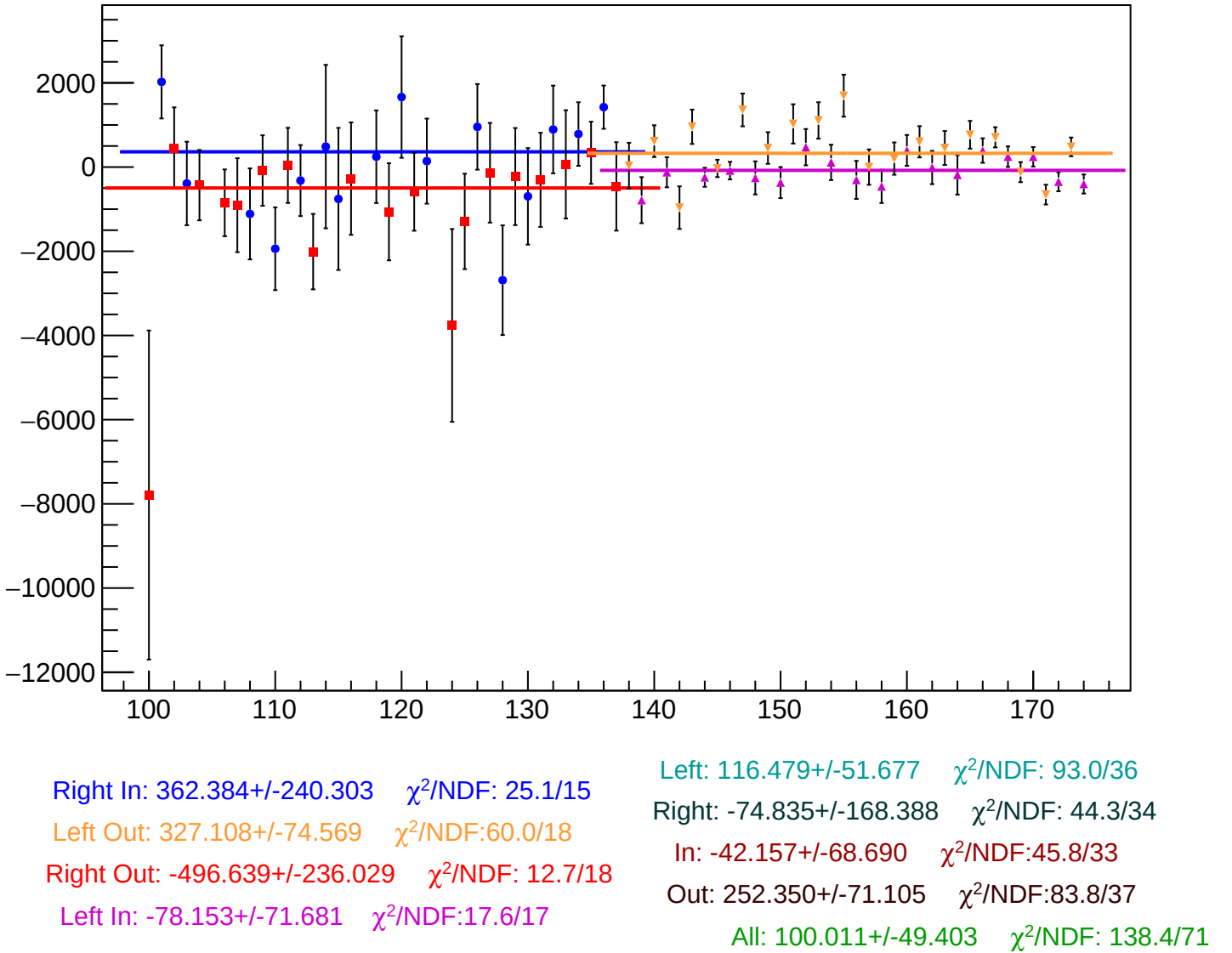
Left: 247.818+/-0.034 χ^2/NDF: 5285231.2/36

Right: 592.350+/-0.112 χ^2/NDF: 1224760.1/34

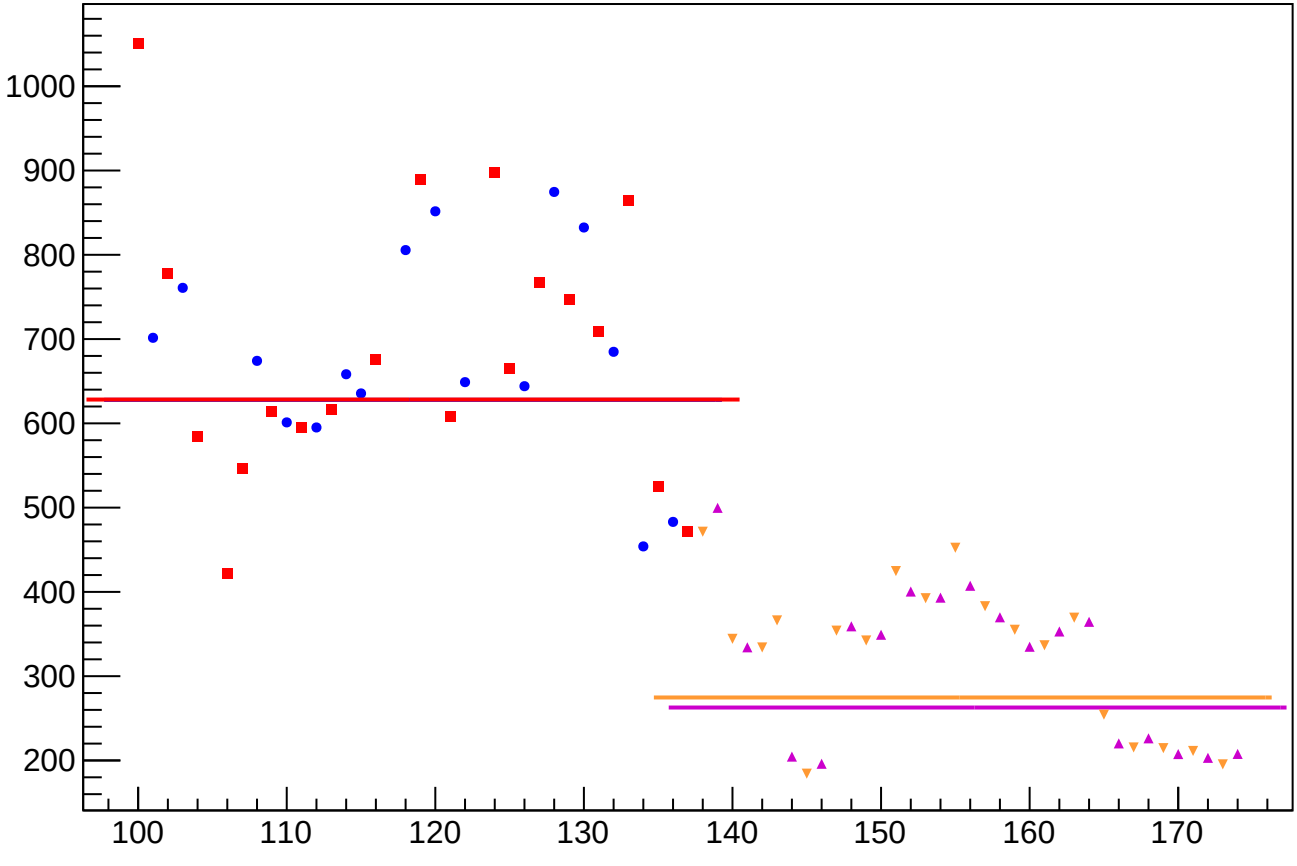
In: 271.356+/-0.045 χ^2/NDF:7424982.3/33

Out: 281.787+/-0.046 χ^2/NDF:7715147.6/37

All: 276.437+/-0.032 χ^2/NDF: 15166158.5/71


asym_sam_37_dd_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
110
120
130
140
150
160
170
Right In: 362.384+/-240.303 χ²/NDF: 25.1/15
Left Out: 327.108+/-74.569 χ²/NDF:60.0/18
Right Out: -496.639+/-236.029 χ²/NDF: 12.7/18
Left In: -78.153+/-71.681 χ²/NDF:17.6/17
Left: 116.479+/-51.677 χ²/NDF: 93.0/36
Right: -74.835+/-168.388 χ²/NDF: 44.3/34
In: -42.157+/-68.690 χ²/NDF:45.8/33
Out: 252.350+/-71.105 χ²/NDF:83.8/37
All: 100.011+/-49.403 χ²/NDF: 138.4/71

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 627.896+/-0.170 χ^2/NDF: 566795.7/15

Left Out: 274.724+/-0.053 χ^2/NDF:2643006.6/18

Right Out: 628.250+/-0.167 χ^2/NDF: 570979.3/18

Left In: 262.801+/-0.051 χ^2/NDF:2504143.9/17

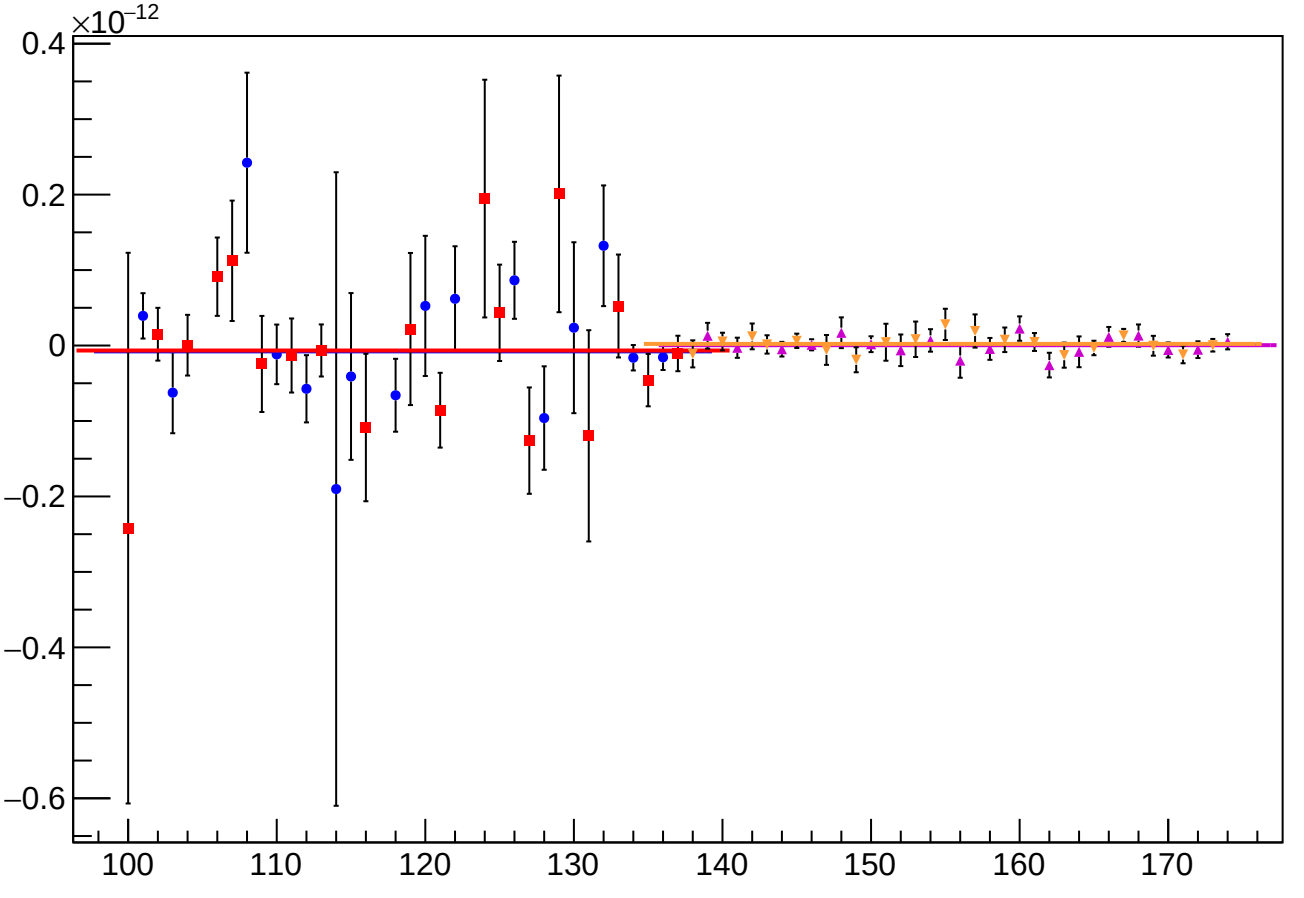
Left: 268.527+/-0.037 χ^2/NDF: 5173724.1/36

Right: 628.076+/-0.119 χ^2/NDF: 1137777.3/34

In: 292.633+/-0.049 χ^2/NDF:7310330.7/33

Out: 306.808+/-0.050 χ^2/NDF:7293652.4/37

All: 299.475+/-0.035 χ^2/NDF: 14645098.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:9.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 20.0/18

Left In: 0.000+/-0.000 χ^2/NDF:9.8/17

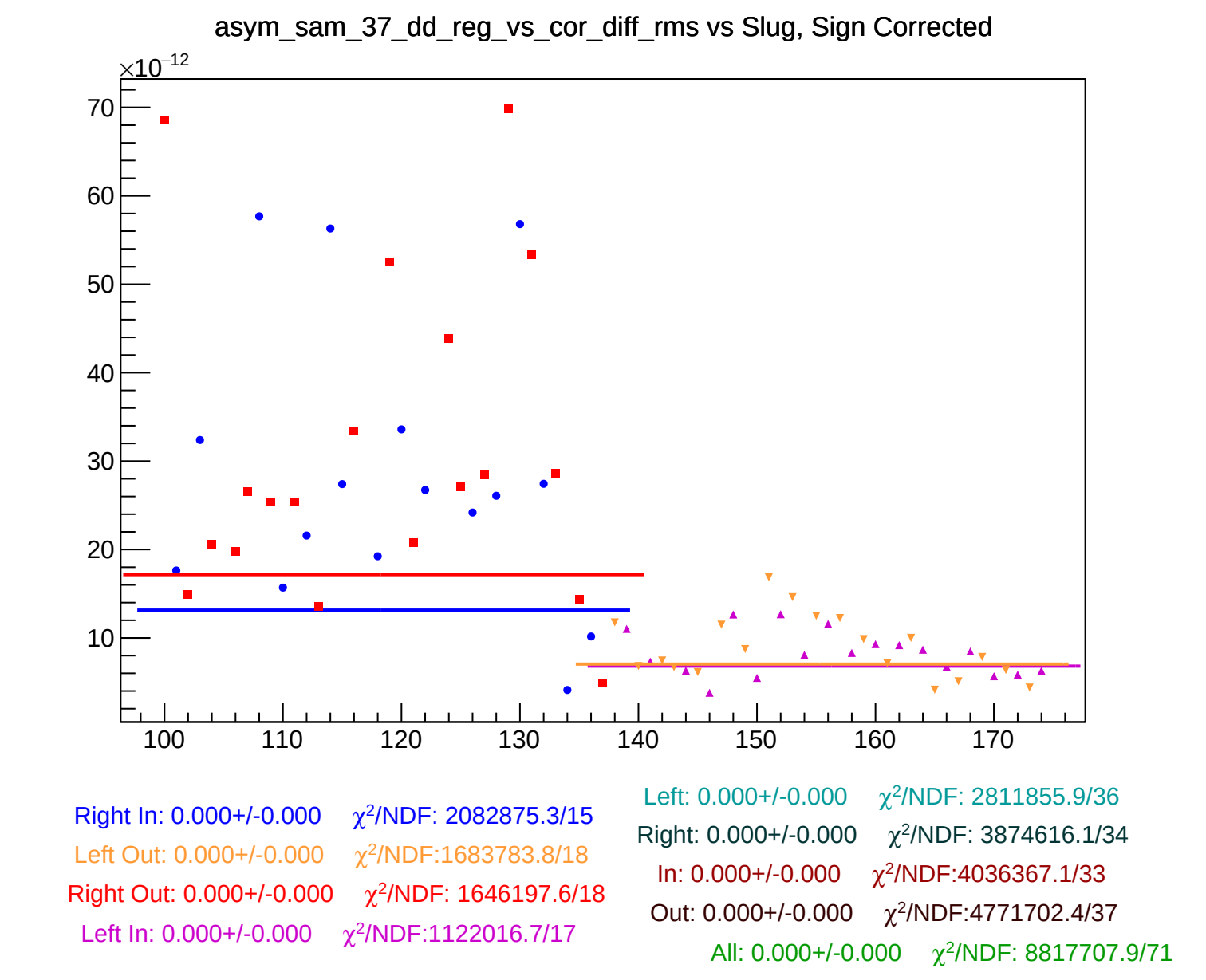
Left: 0.000+/-0.000 χ^2/NDF: 19.6/36

Right: -0.000+/-0.000 χ^2/NDF: 41.0/34

In: -0.000+/-0.000 χ^2/NDF:31.4/33

Out: 0.000+/-0.000 χ^2/NDF:30.2/37

All: 0.000+/-0.000 χ^2/NDF: 61.8/71


asym_sam_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
70
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20
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100
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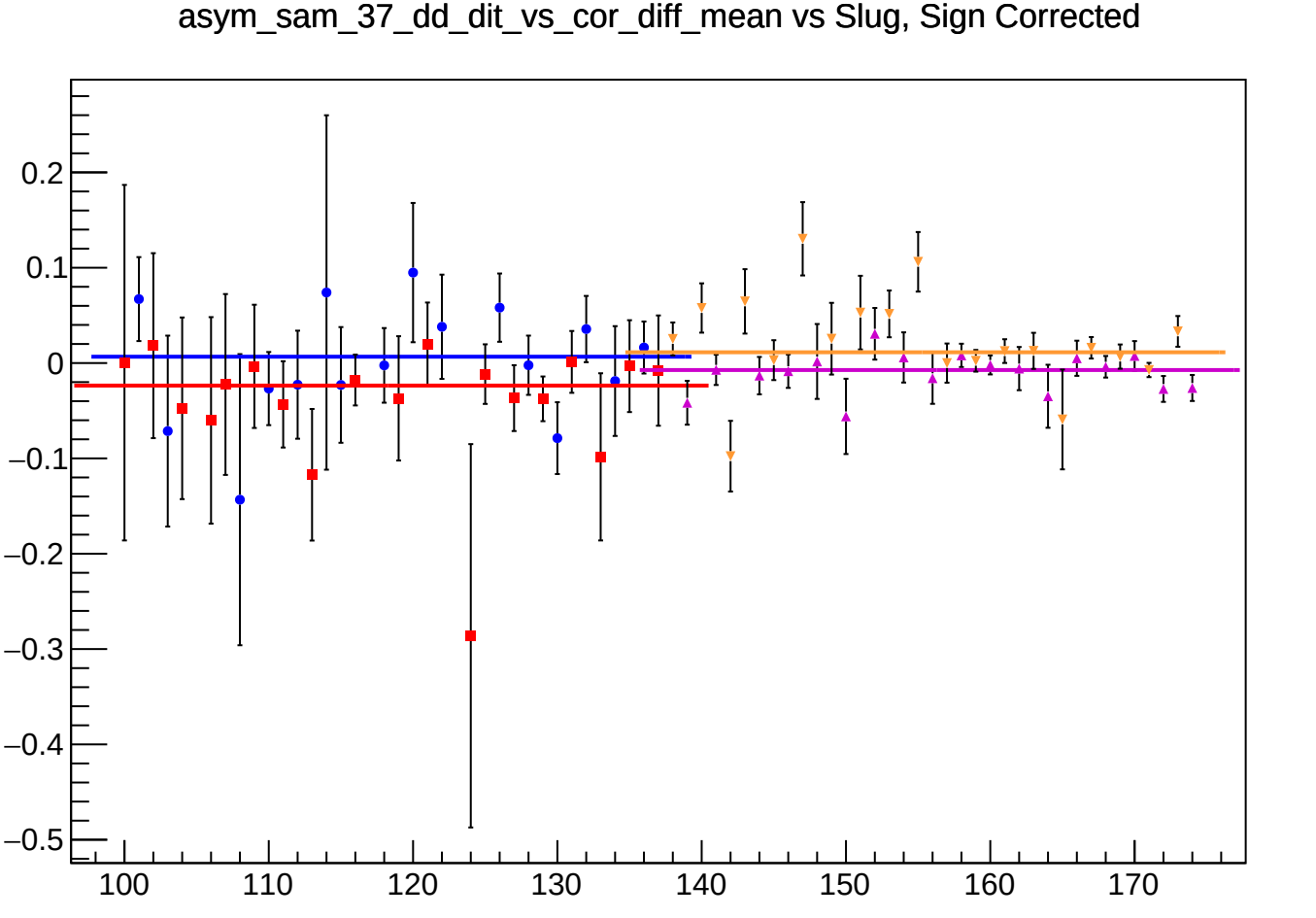
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2082875.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1683783.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 1646197.6/18
Left In: 0.000+/-0.000 χ²/NDF:1122016.7/17
Left: 0.000+/-0.000 χ²/NDF: 2811855.9/36
Right: 0.000+/-0.000 χ²/NDF: 3874616.1/34
In: 0.000+/-0.000 χ²/NDF:4036367.1/33
Out: 0.000+/-0.000 χ²/NDF:4771702.4/37
All: 0.000+/-0.000 χ²/NDF: 8817707.9/71



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

Left: 0.002+/-0.003 χ^2/NDF: 74.7/36

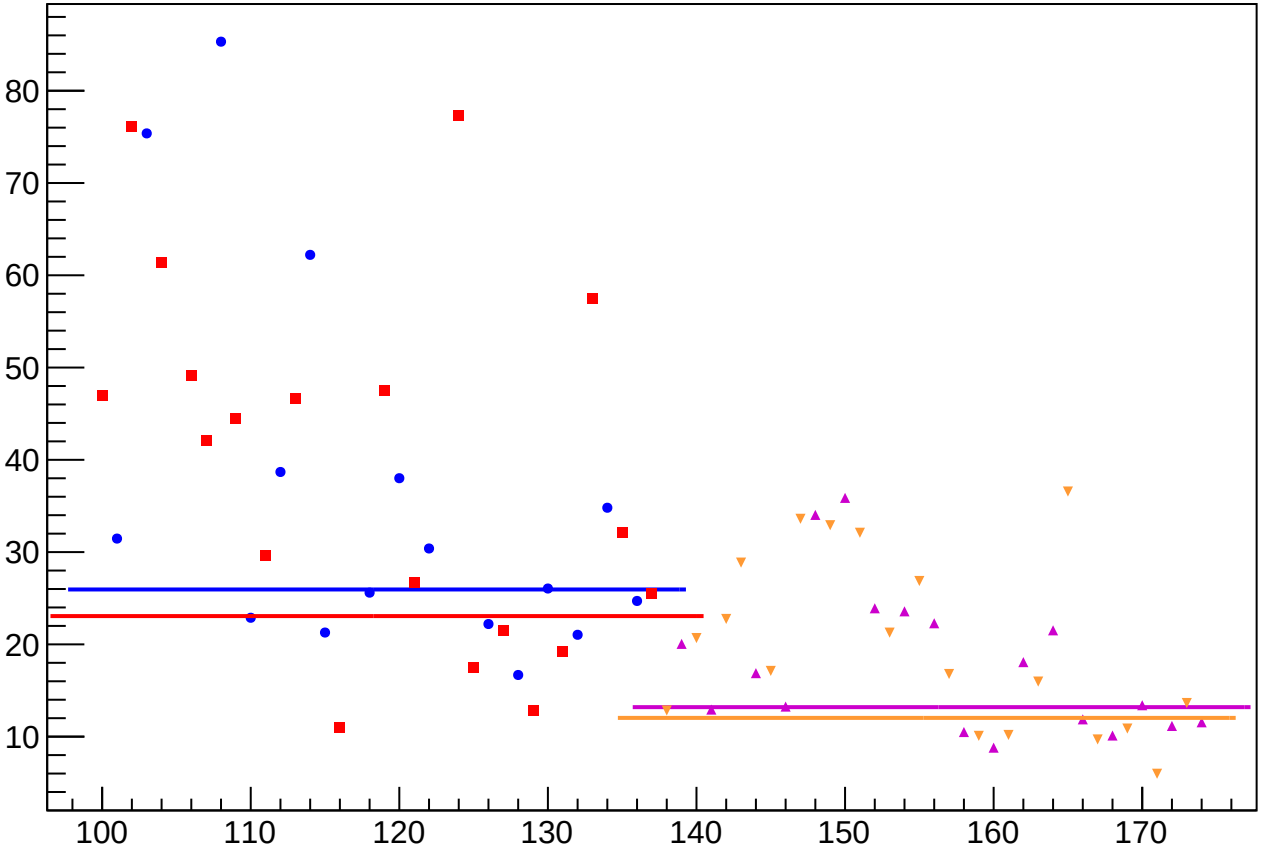
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.001+/-0.003 χ^2/NDF: 103.2/71

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.032+/-0.003 χ^2/NDF:5698061.1/18

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

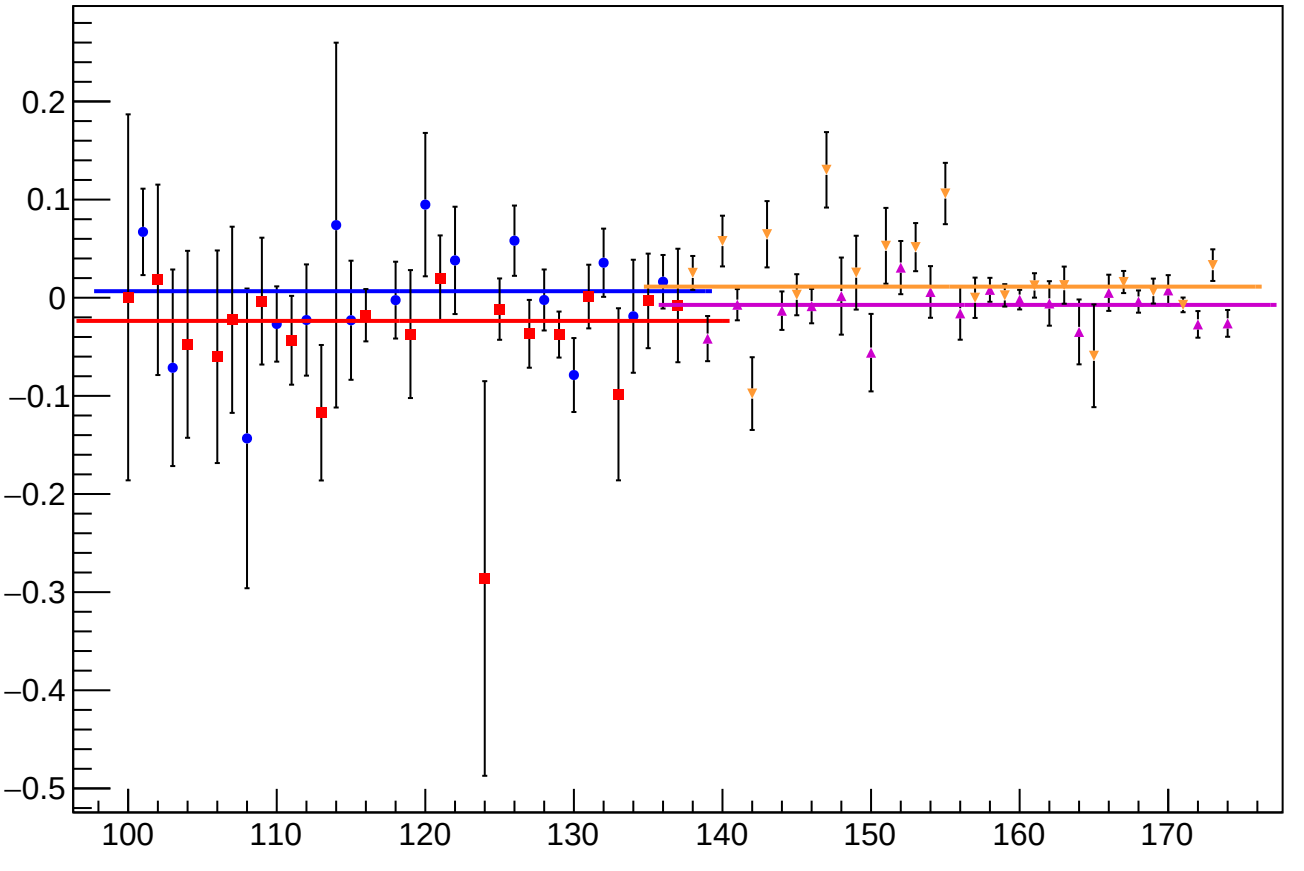
Left: 12.586+/-0.002 χ^2/NDF: 9047633.5/36

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.663+/-0.003 χ^2/NDF:6978799.0/33

Out: 13.315+/-0.003 χ^2/NDF:11009744.8/37

All: 13.955+/-0.002 χ^2/NDF: 18123242.5/71



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

Left: 0.002+/-0.003 χ^2/NDF: 74.7/36

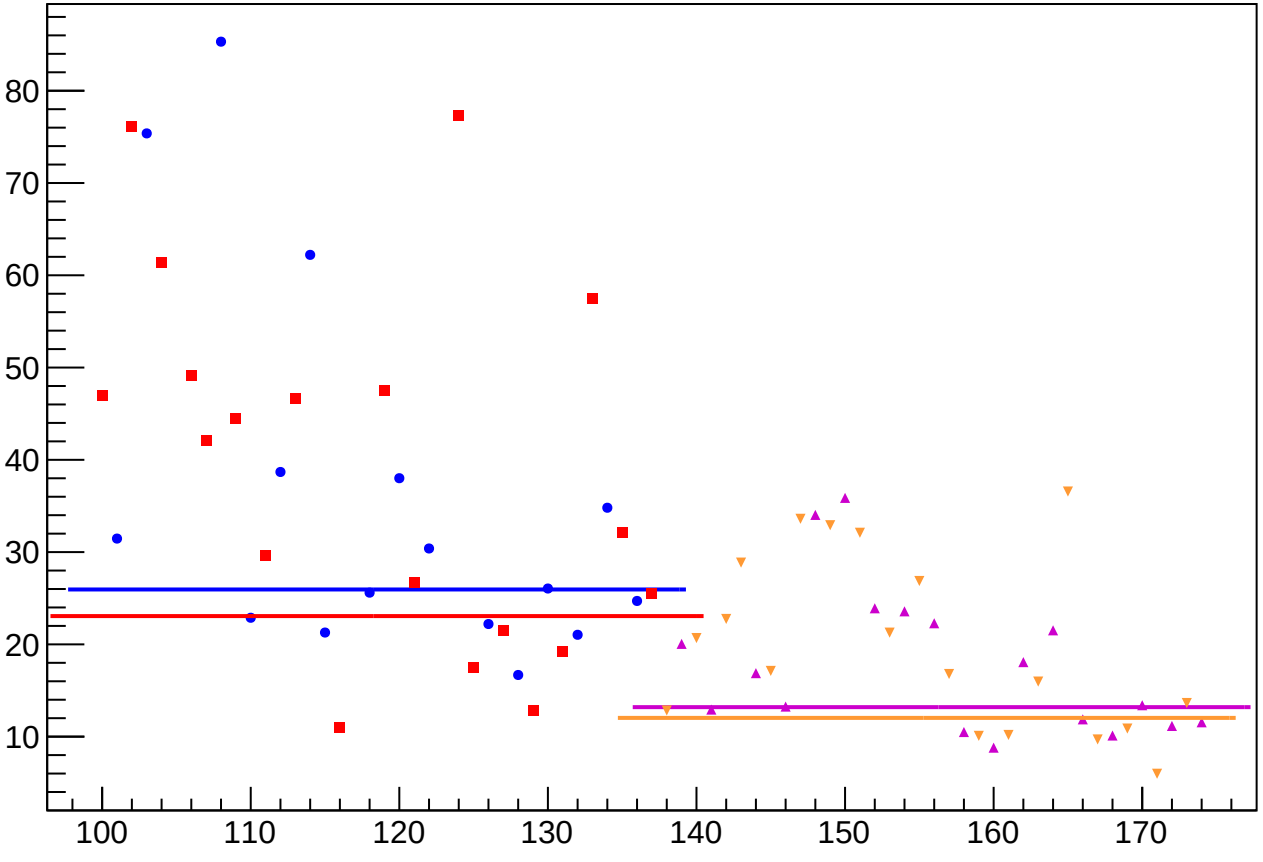
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.001+/-0.003 χ^2/NDF: 103.2/71

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.949+/-0.008 χ^2/NDF: 1381638.3/15

Left Out: 12.032+/-0.003 χ^2/NDF:5698061.1/18

Right Out: 23.065+/-0.007 χ^2/NDF: 3360857.8/18

Left In: 13.197+/-0.003 χ^2/NDF:3260698.7/17

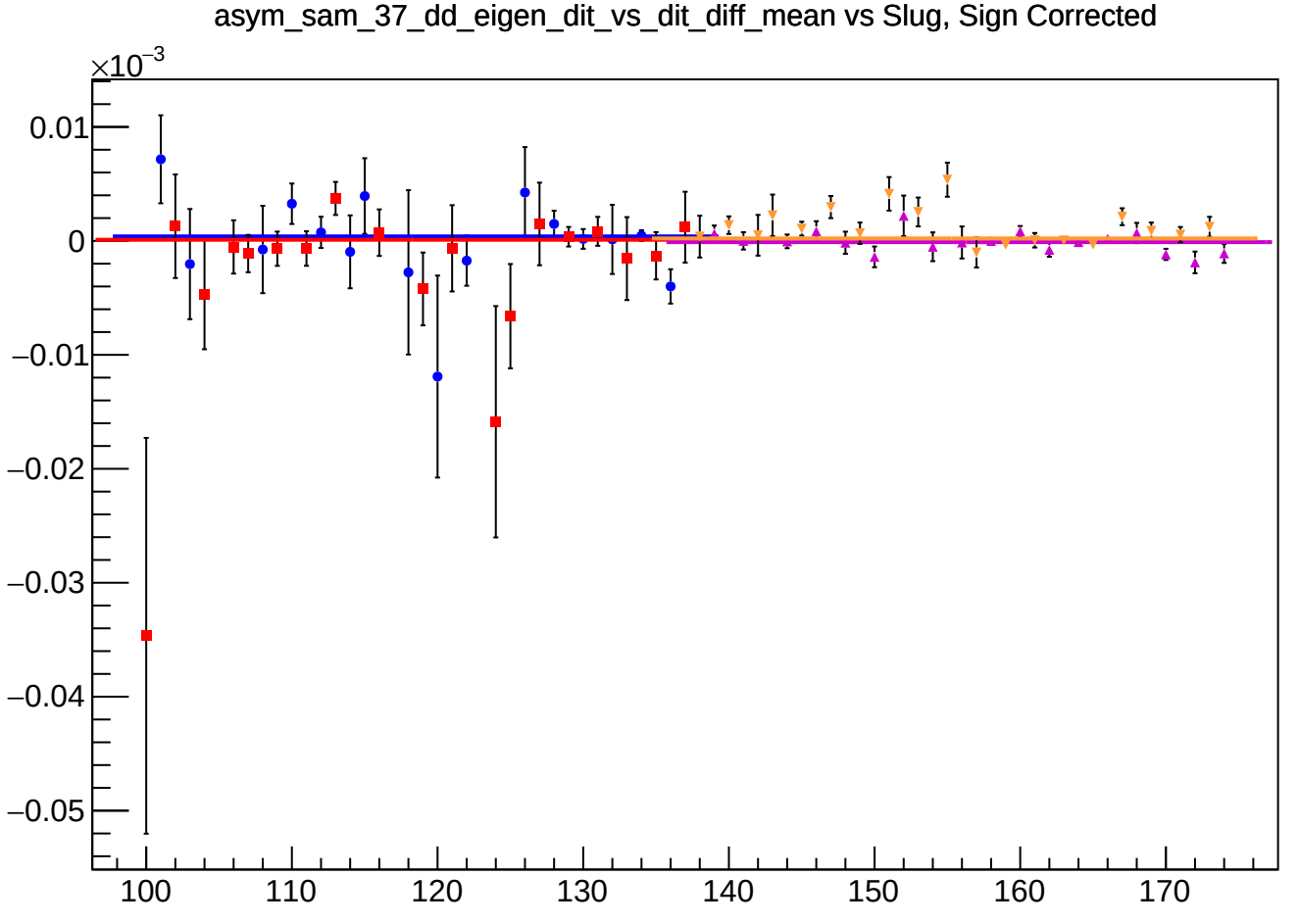
Left: 12.586+/-0.002 χ^2/NDF: 9047633.5/36

Right: 24.427+/-0.005 χ^2/NDF: 4813744.3/34

In: 14.663+/-0.003 χ^2/NDF:6978799.0/33

Out: 13.315+/-0.003 χ^2/NDF:11009744.8/37

All: 13.955+/-0.002 χ^2/NDF: 18123242.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:54.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.4/18

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

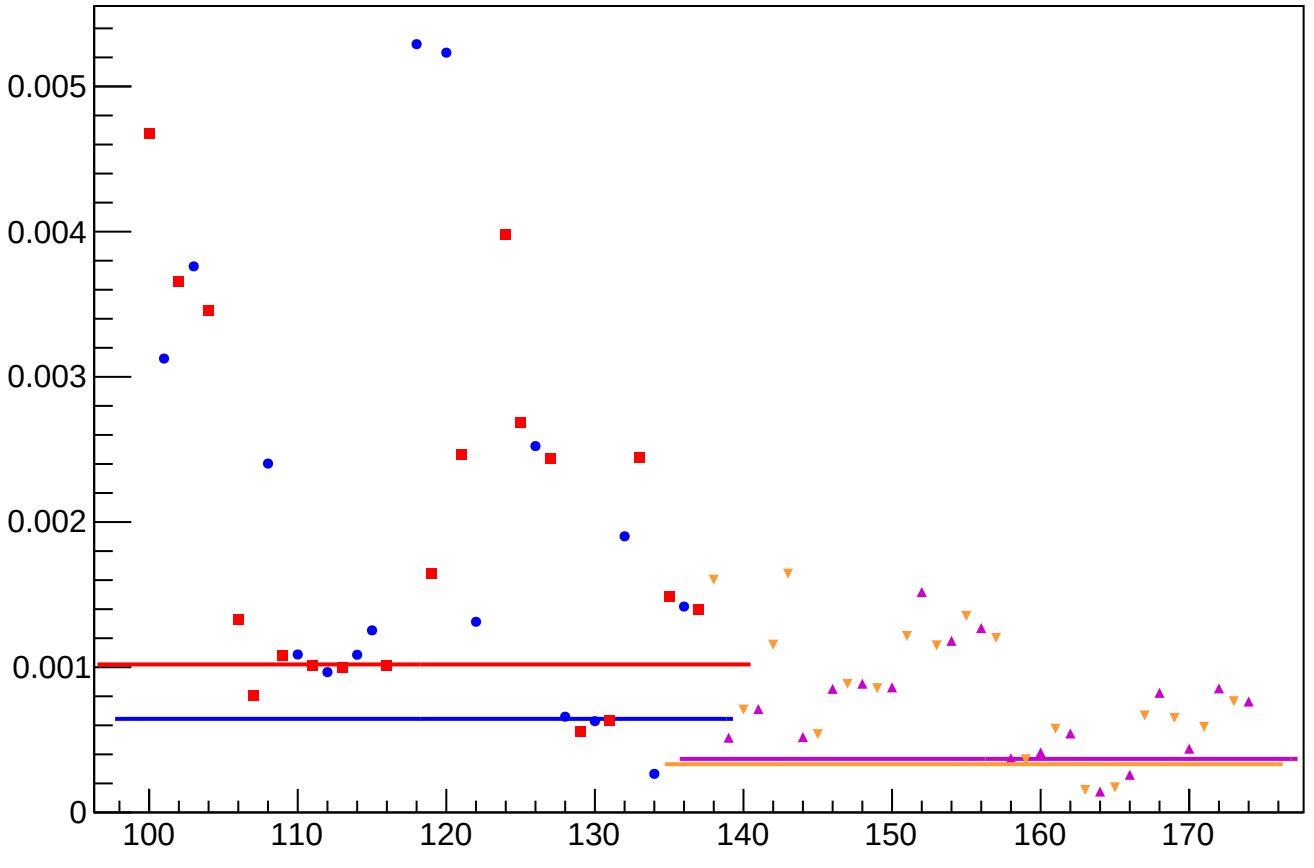
Left: 0.000+/-0.000 χ^2/NDF: 80.9/36

Right: 0.000+/-0.000 χ^2/NDF: 41.6/34

In: -0.000+/-0.000 χ^2/NDF:45.4/33

Out: 0.000+/-0.000 χ^2/NDF:75.1/37

All: 0.000+/-0.000 χ^2/NDF: 123.1/71



Right In: 0.001+/-0.000 χ^2/NDF: 6575652.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:12496986.6/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3662501.2/18

Left In: 0.000+/-0.000 χ^2/NDF:9598492.6/17

Left: 0.000+/-0.000 χ^2/NDF: 22188749.8/36

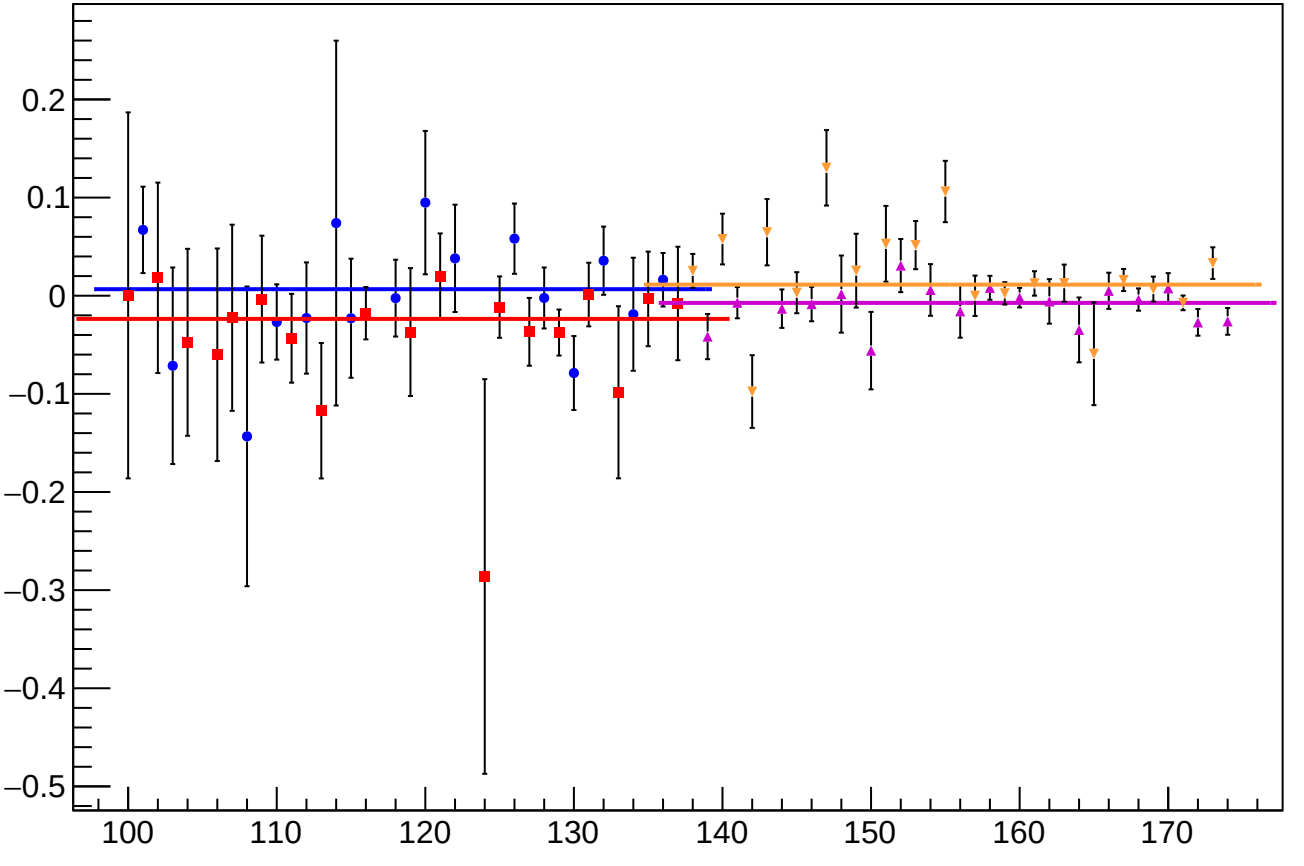
Right: 0.001+/-0.000 χ^2/NDF: 11121544.1/34

In: 0.000+/-0.000 χ^2/NDF:17340028.2/33

Out: 0.000+/-0.000 χ^2/NDF:20531799.5/37

All: 0.000+/-0.000 χ^2/NDF: 37921765.9/71

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

Left: 0.002+/-0.003 χ^2/NDF: 74.7/36

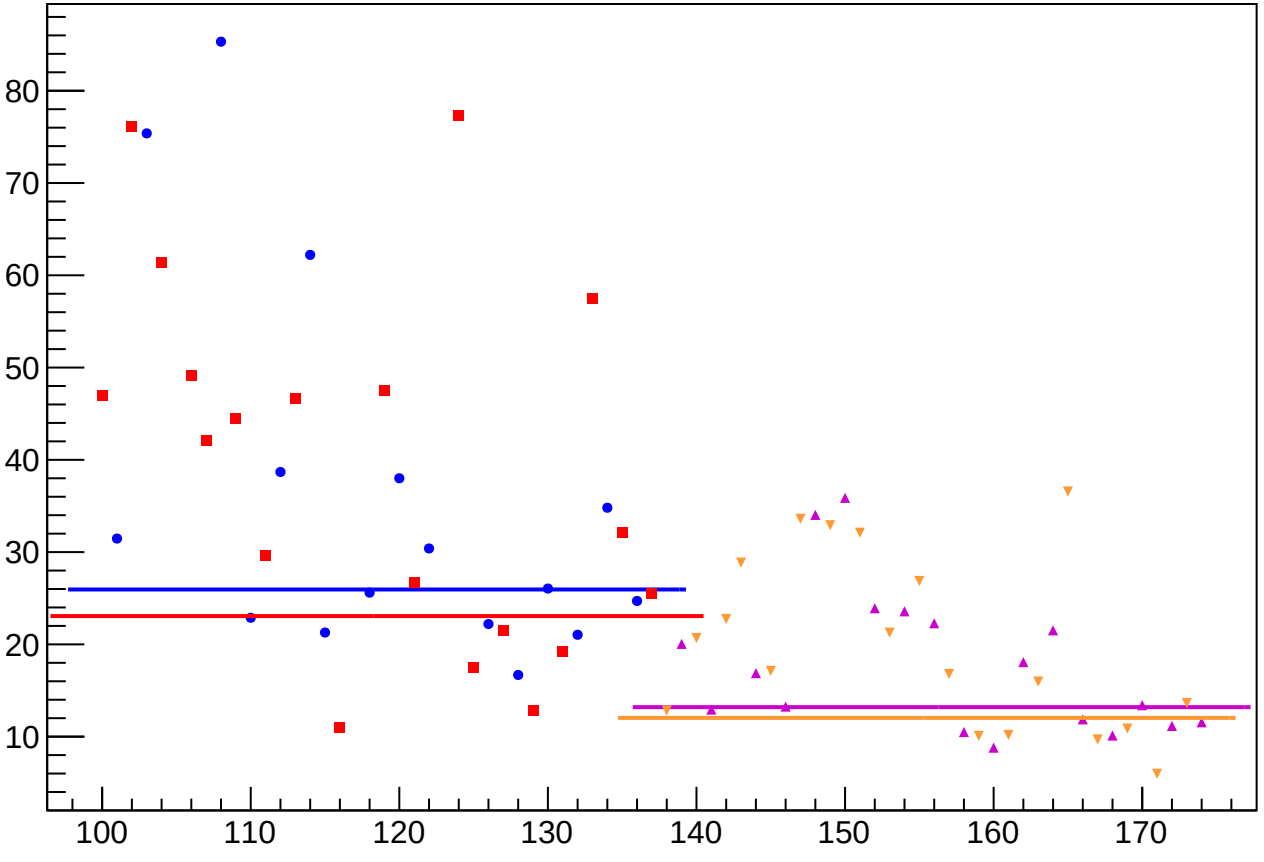
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.001+/-0.003 χ^2/NDF: 103.2/71

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.032+/-0.003 χ^2/NDF:5698276.2/18

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

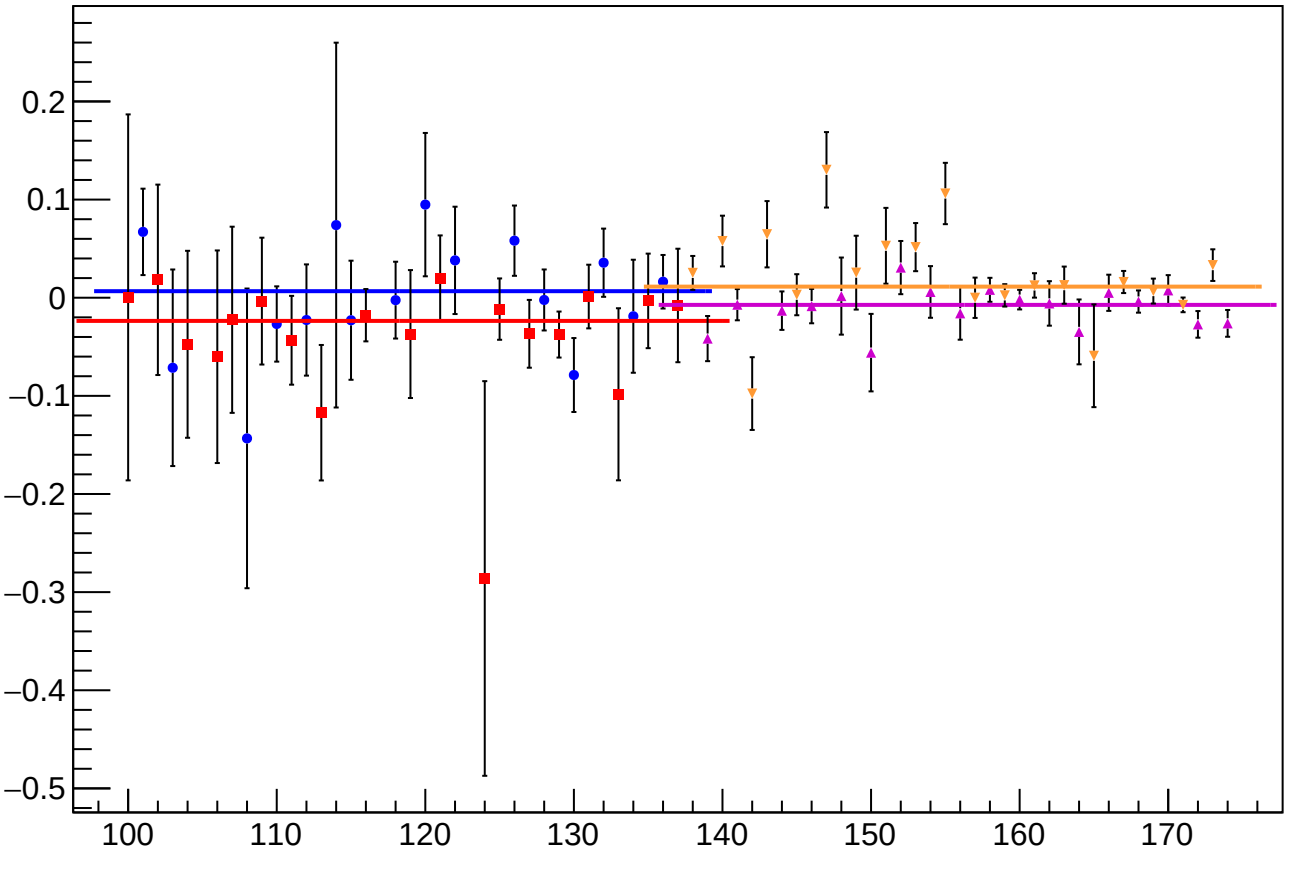
Left: 12.586+/-0.002 χ^2/NDF: 9047970.4/36

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.663+/-0.003 χ^2/NDF:6978916.6/33

Out: 13.315+/-0.003 χ^2/NDF:11009869.1/37

All: 13.955+/-0.002 χ^2/NDF: 18123479.5/71



Right In: 0.007+/-0.011 χ^2/NDF: 15.0/15

Left Out: 0.011+/-0.004 χ^2/NDF:49.0/18

Right Out: -0.024+/-0.011 χ^2/NDF: 7.5/18

Left In: -0.007+/-0.004 χ^2/NDF:14.3/17

Left: 0.002+/-0.003 χ^2/NDF: 74.7/36

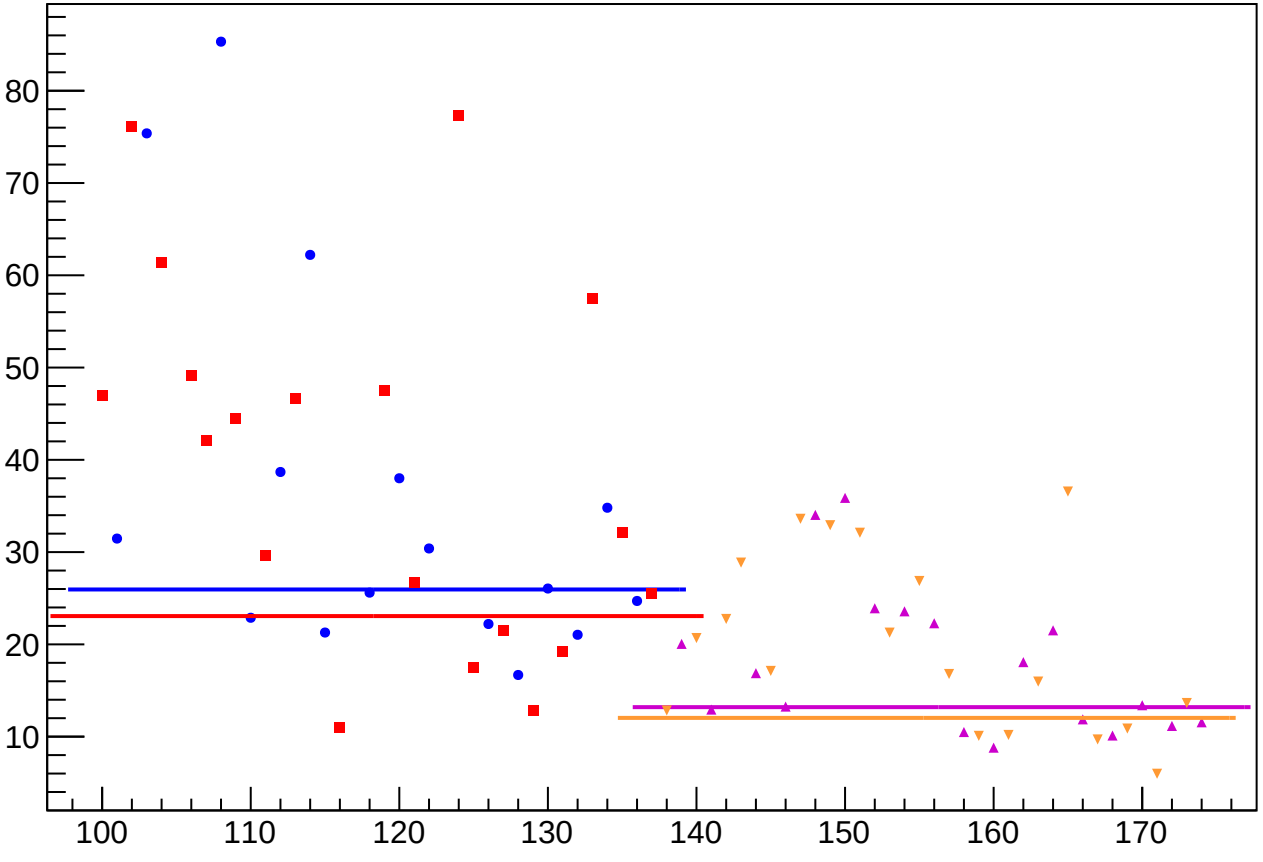
Right: -0.009+/-0.008 χ^2/NDF: 26.4/34

In: -0.006+/-0.004 χ^2/NDF:30.7/33

Out: 0.007+/-0.004 χ^2/NDF:66.3/37

All: 0.001+/-0.003 χ^2/NDF: 103.2/71

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.950+/-0.008 χ^2/NDF: 1381591.4/15

Left Out: 12.032+/-0.003 χ^2/NDF:5698276.2/18

Right Out: 23.066+/-0.007 χ^2/NDF: 3360688.5/18

Left In: 13.197+/-0.003 χ^2/NDF:3260822.8/17

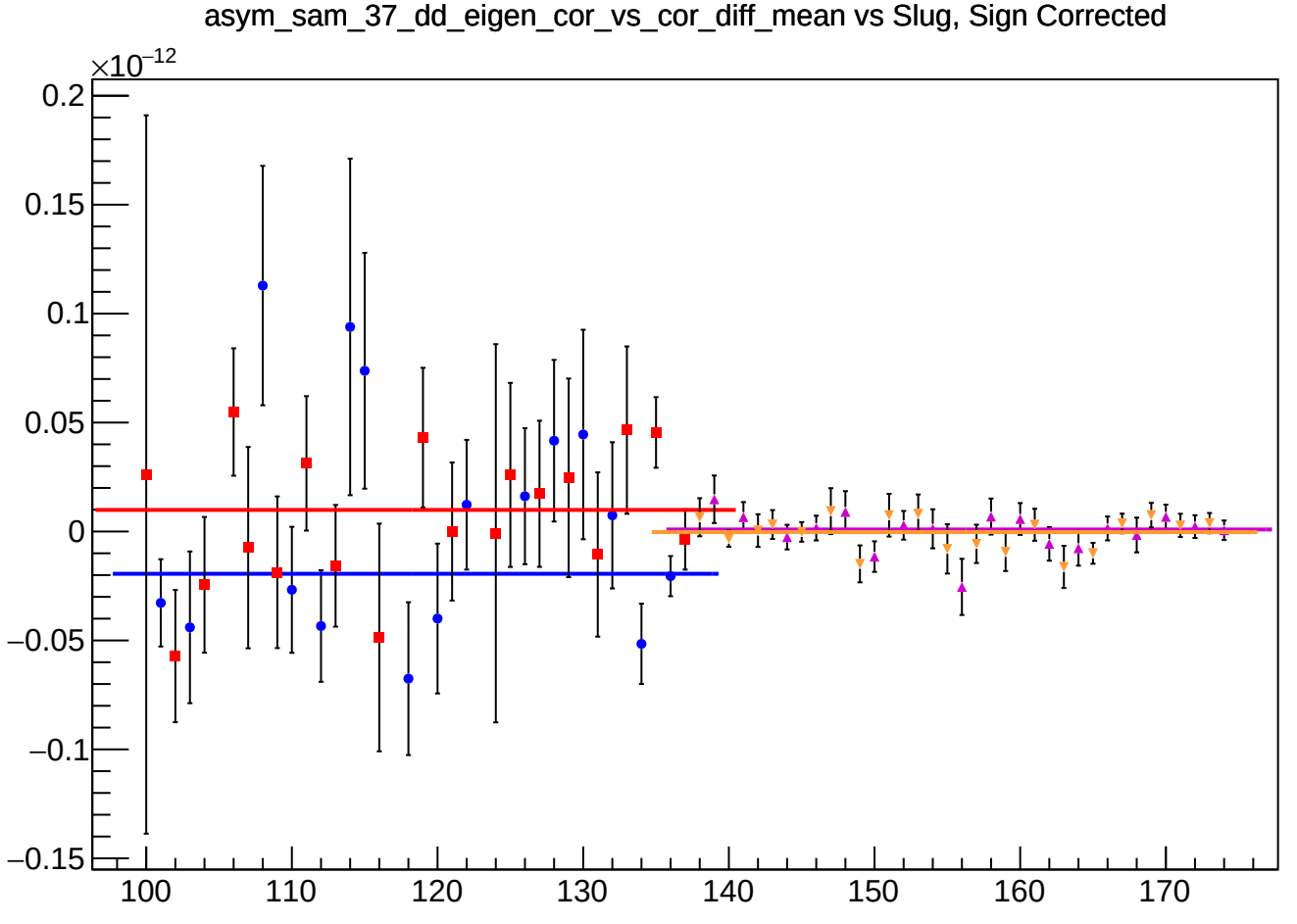
Left: 12.586+/-0.002 χ^2/NDF: 9047970.4/36

Right: 24.428+/-0.005 χ^2/NDF: 4813518.6/34

In: 14.663+/-0.003 χ^2/NDF:6978916.6/33

Out: 13.315+/-0.003 χ^2/NDF:11009869.1/37

All: 13.955+/-0.002 χ^2/NDF: 18123479.5/71



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:19.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 20.3/18

Left In: 0.000+/-0.000 χ^2/NDF:14.9/17

Left: 0.000+/-0.000 χ^2/NDF: 34.8/36

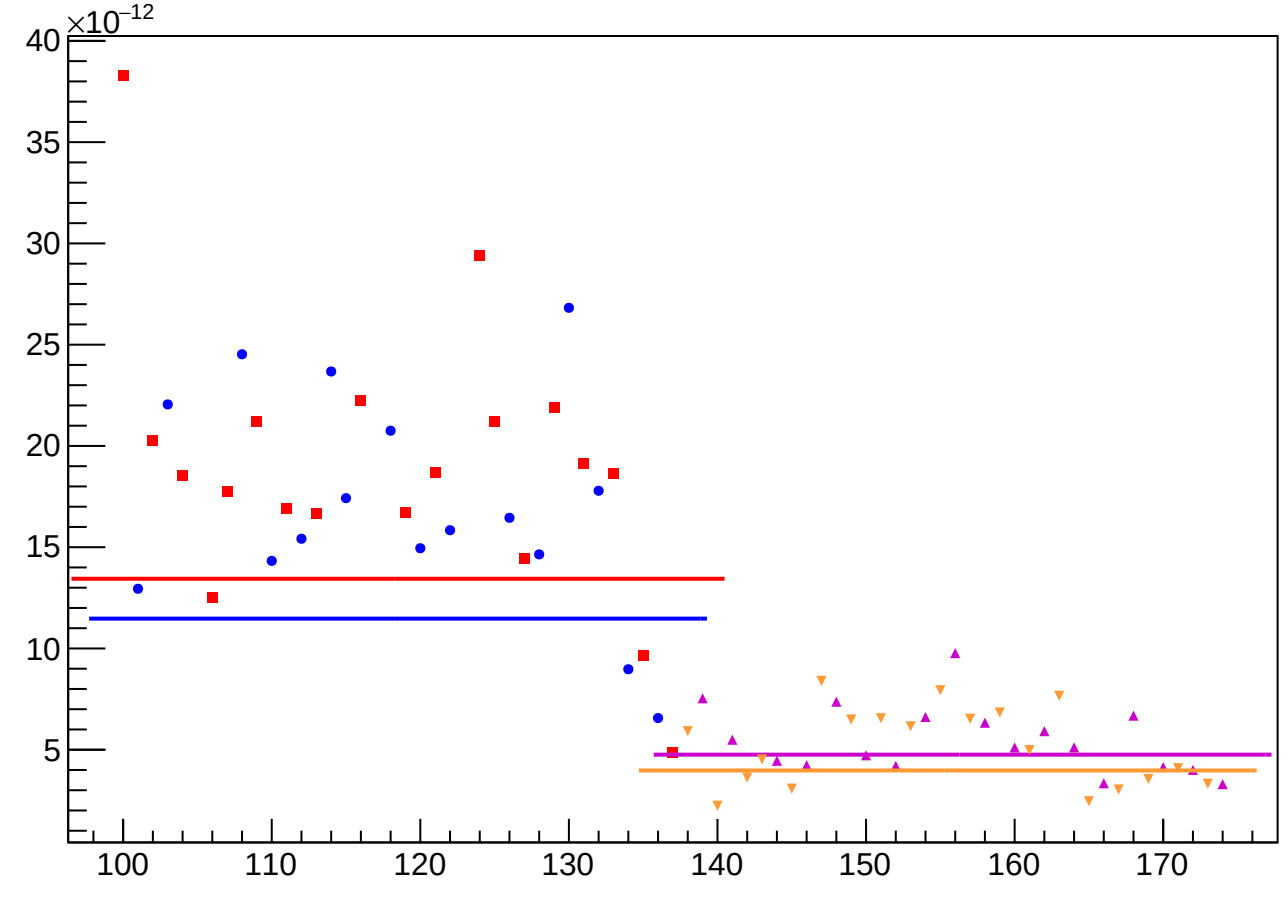
Right: -0.000+/-0.000 χ^2/NDF: 56.4/34

In: -0.000+/-0.000 χ^2/NDF:51.2/33

Out: 0.000+/-0.000 χ^2/NDF:42.1/37

All: -0.000+/-0.000 χ^2/NDF: 93.4/71

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1598593.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:2713603.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1672848.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1383062.7/17

Left: 0.000+/-0.000 χ^2/NDF: 4364449.3/36

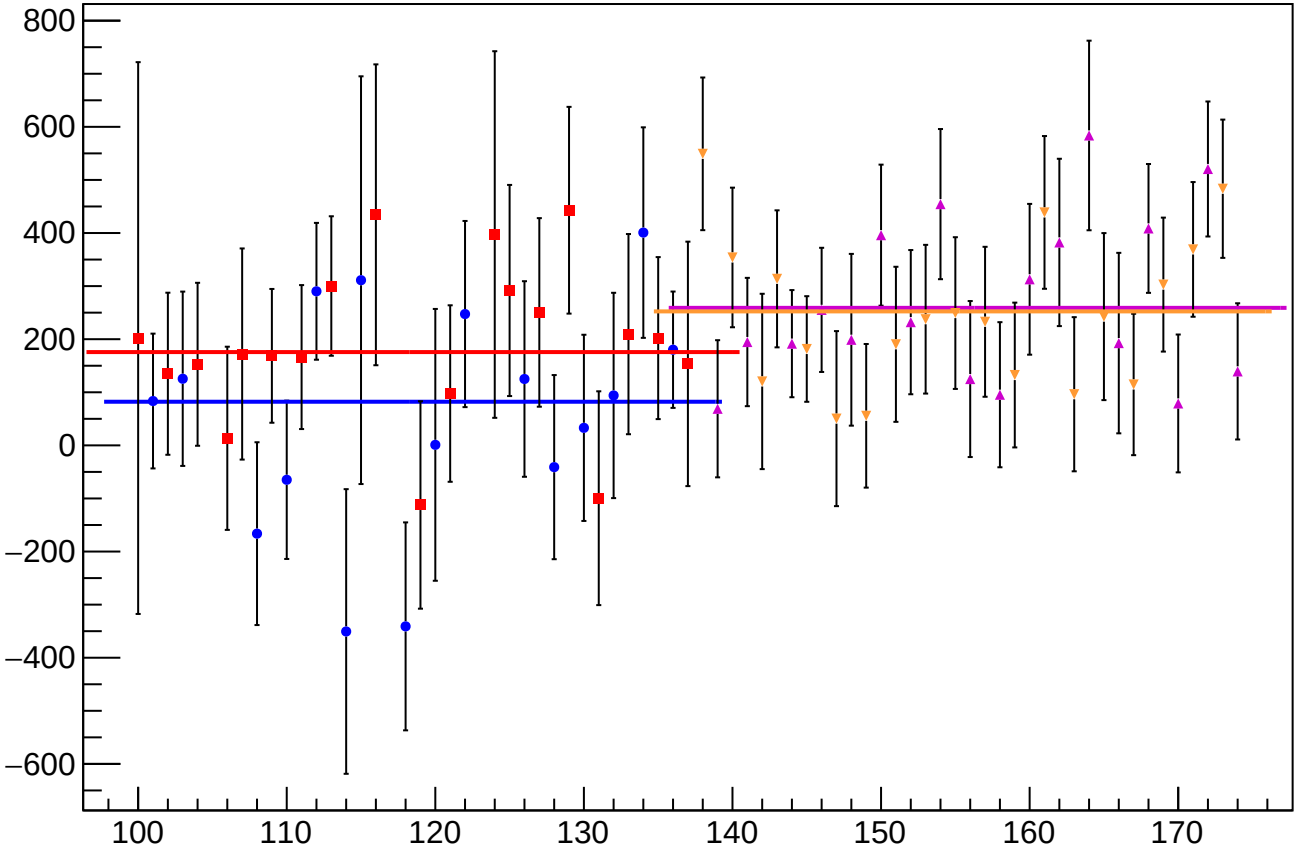
Right: 0.000+/-0.000 χ^2/NDF: 3365640.7/34

In: 0.000+/-0.000 χ^2/NDF:5301608.4/33

Out: 0.000+/-0.000 χ^2/NDF:8121909.7/37

All: 0.000+/-0.000 χ^2/NDF: 13729101.3/71

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 82.196+/-42.133 χ^2/NDF: 18.4/15

Left Out: 252.360+/-31.270 χ^2/NDF:18.9/18

Right Out: 175.732+/-40.673 χ^2/NDF: 9.9/18

Left In: 259.041+/-31.555 χ^2/NDF:21.1/17

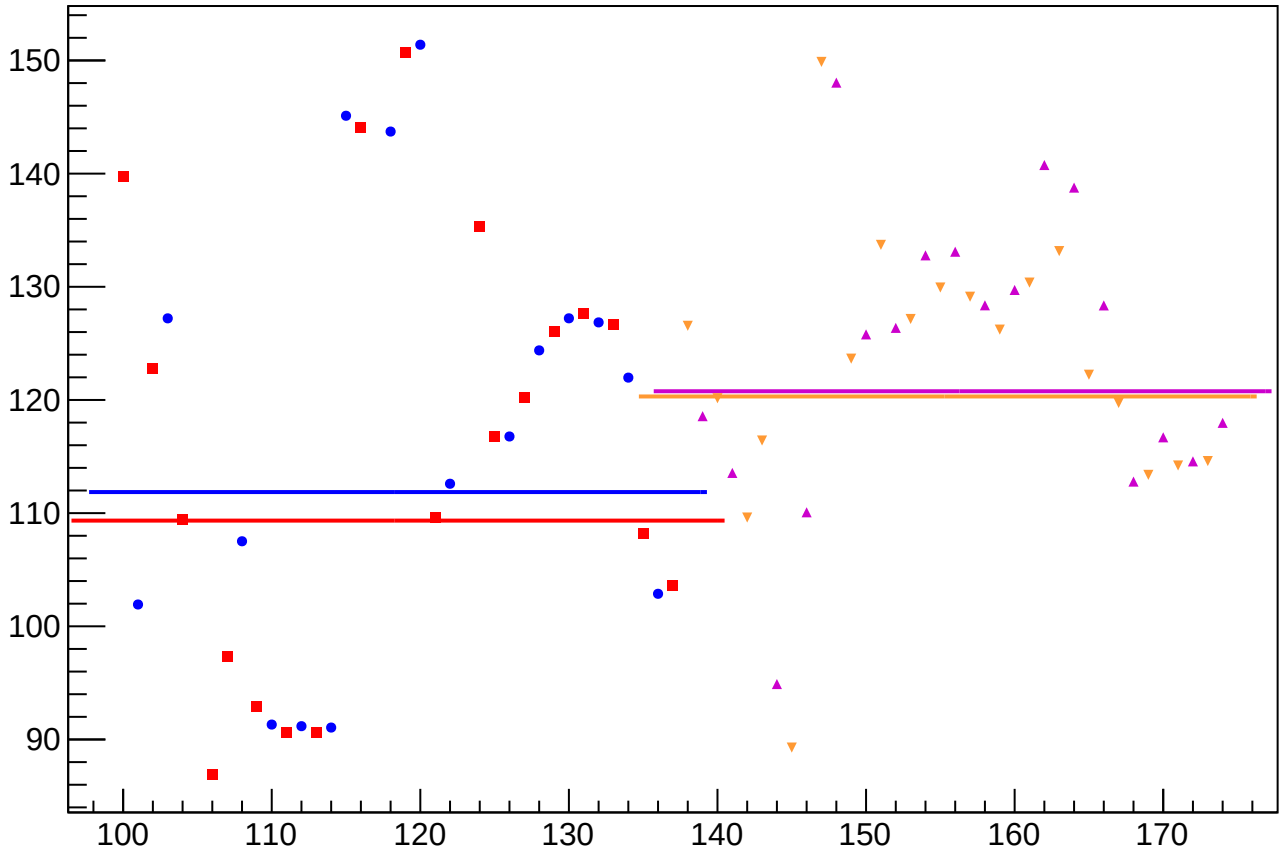
Left: 255.670+/-22.211 χ^2/NDF: 40.0/36

Right: 130.613+/-29.263 χ^2/NDF: 30.8/34

In: 195.493+/-25.257 χ^2/NDF:50.7/33

Out: 223.892+/-24.790 χ^2/NDF:31.0/37

All: 209.957+/-17.692 χ^2/NDF: 82.4/71



Right In: 111.862+/-0.030 χ^2/NDF: 306023.8/15

Left Out: 120.309+/-0.022 χ^2/NDF:356588.7/18

Right Out: 109.340+/-0.029 χ^2/NDF: 367219.9/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

Left: 120.537+/-0.016 χ^2/NDF: 691185.0/36

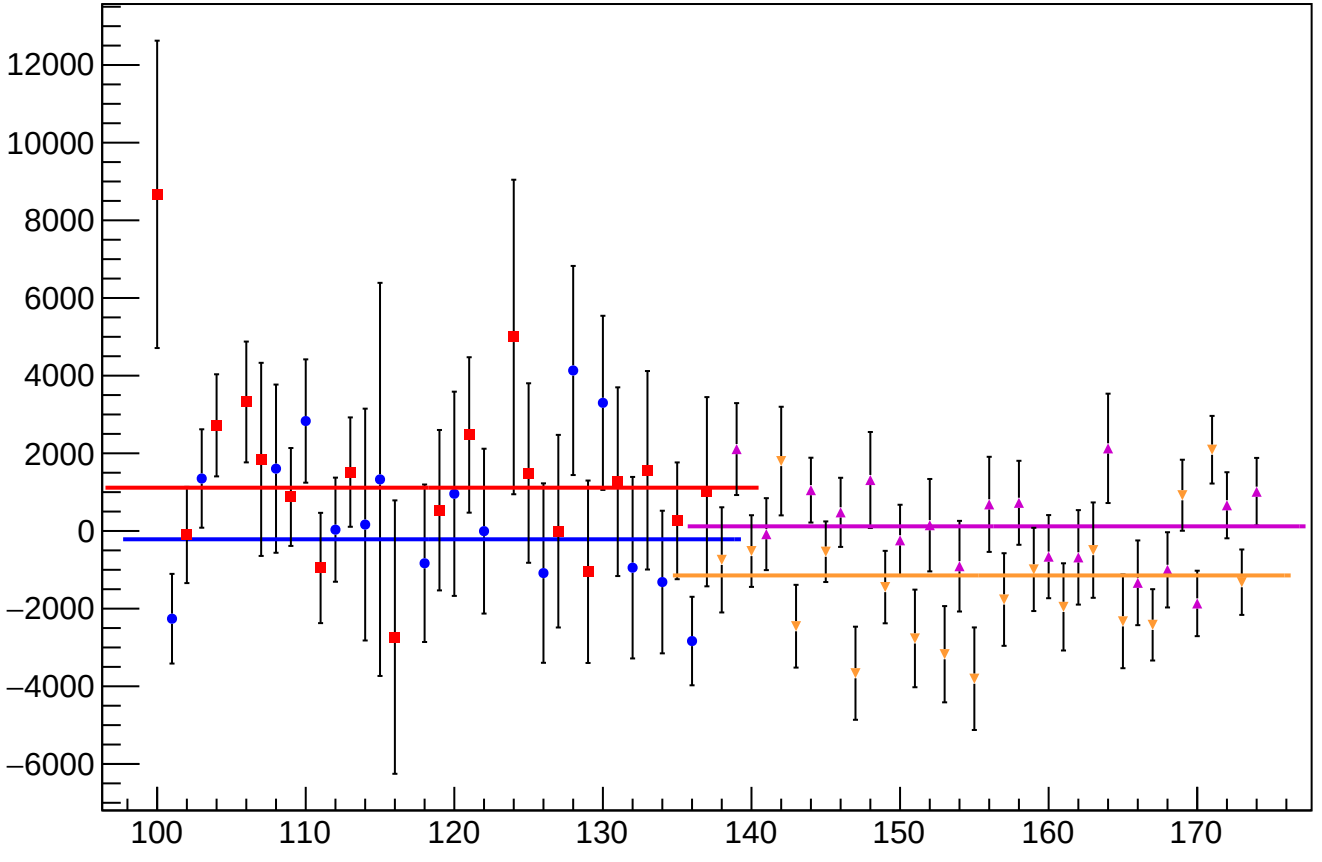
Right: 110.557+/-0.021 χ^2/NDF: 676952.3/34

In: 117.569+/-0.018 χ^2/NDF:697682.9/33

Out: 116.234+/-0.018 χ^2/NDF:815225.4/37

All: 116.889+/-0.013 χ^2/NDF: 1515754.9/71

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -214.187+/-443.962 χ^2/NDF: 20.4/15

Left Out: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: 1114.700+/-423.039 χ^2/NDF: 14.5/18

Left In: 119.456+/-239.365 χ^2/NDF:19.8/17

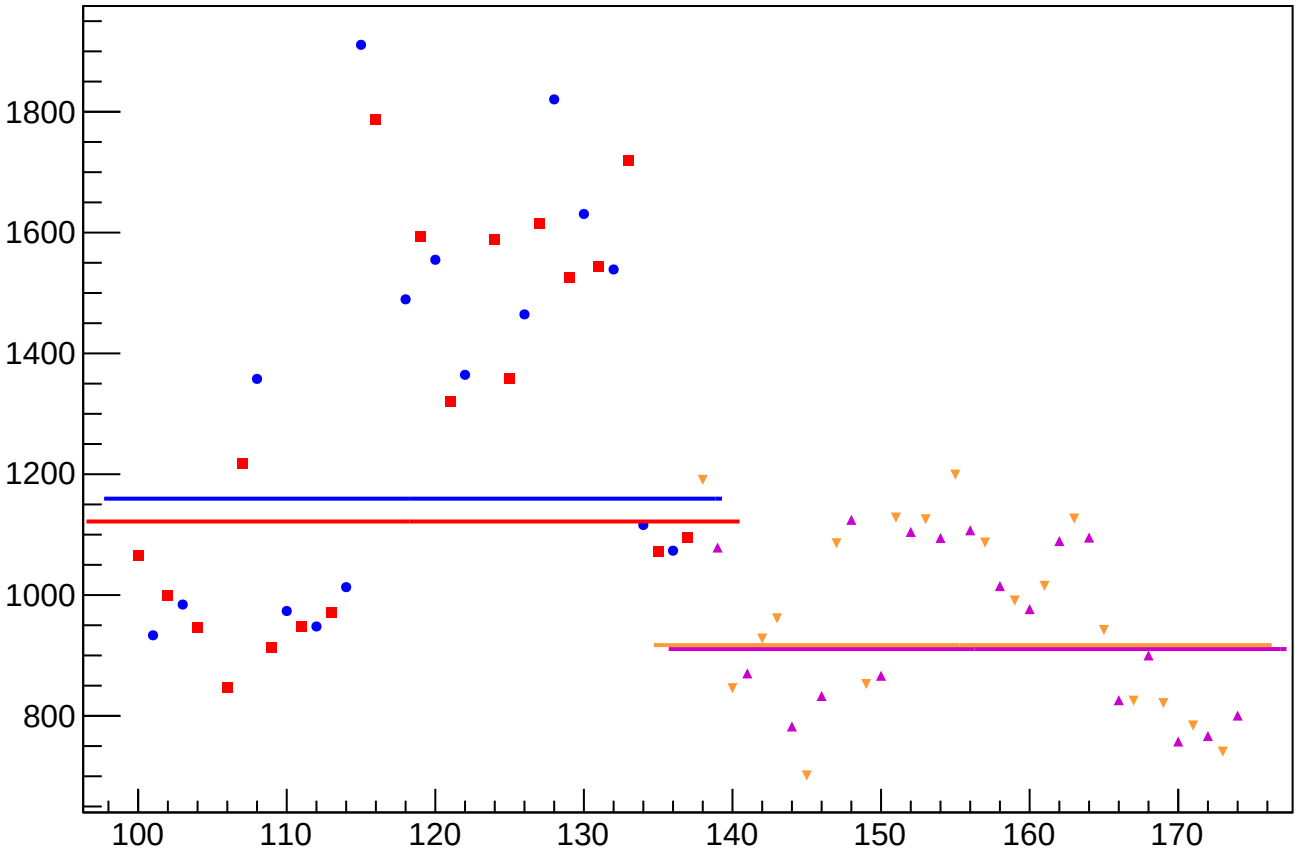
Left: -509.646+/-169.676 χ^2/NDF: 76.6/36

Right: 482.307+/-306.263 χ^2/NDF: 39.7/34

In: 44.312+/-210.693 χ^2/NDF:40.7/33

Out: -592.877+/-209.111 χ^2/NDF:79.0/37

All: -276.684+/-148.420 χ^2/NDF: 124.3/71



Right In: 1159.567+/-0.314 χ^2/NDF: 683693.3/15

Left Out: 917.096+/-0.170 χ^2/NDF:804040.6/18

Right Out: 1121.752+/-0.299 χ^2/NDF: 782273.3/18

Left In: 910.626+/-0.169 χ^2/NDF:596434.7/17

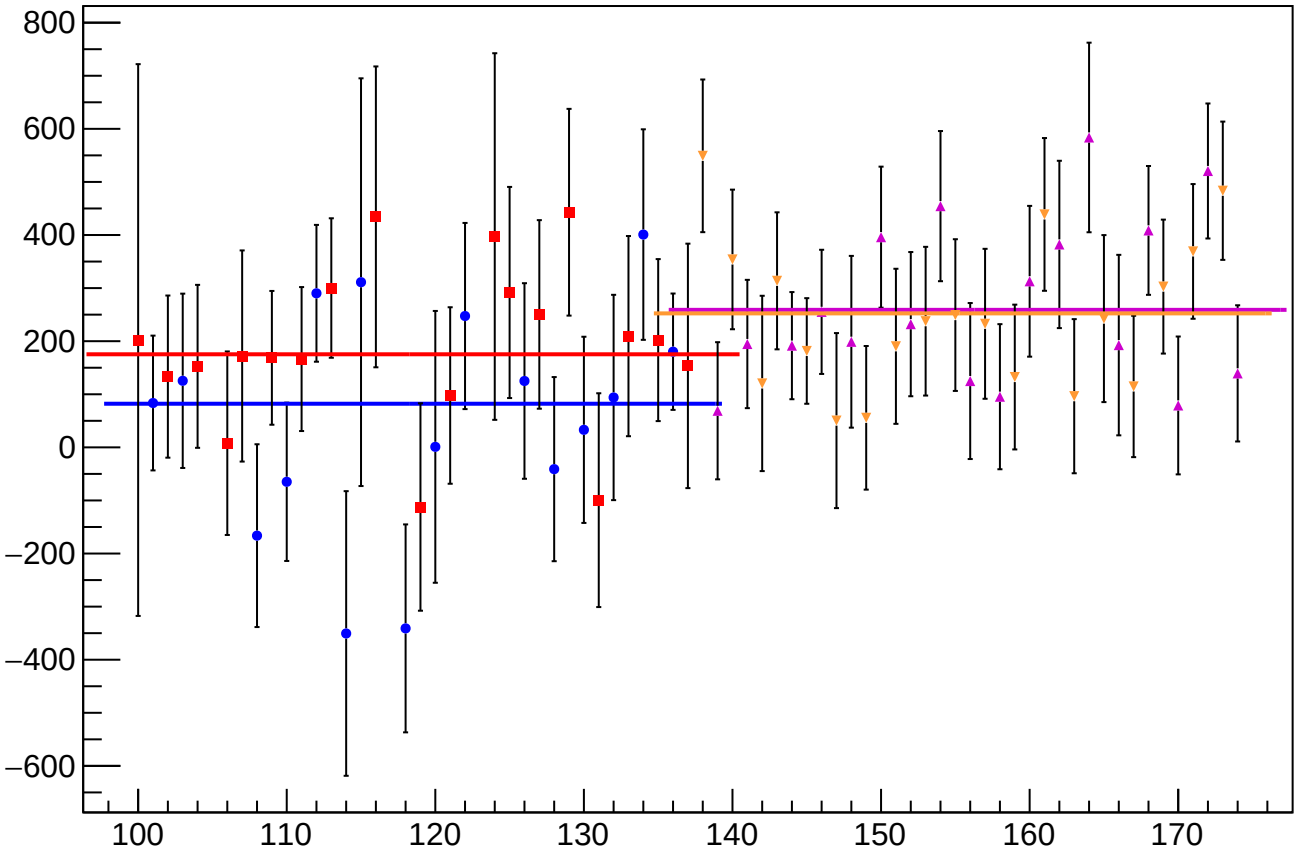
Left: 913.845+/-0.120 χ^2/NDF: 1401202.4/36

Right: 1139.747+/-0.217 χ^2/NDF: 1473571.5/34

In: 966.692+/-0.149 χ^2/NDF:1767330.3/33

Out: 967.101+/-0.148 χ^2/NDF:1940020.7/37

All: 966.898+/-0.105 χ^2/NDF: 3707354.8/71



Right In: 82.185+/-42.133 χ^2/NDF: 18.4/15

Left Out: 252.362+/-31.270 χ^2/NDF:18.9/18

Right Out: 175.338+/-40.678 χ^2/NDF: 9.9/18

Left In: 259.042+/-31.555 χ^2/NDF:21.1/17

Left: 255.672+/-22.211 χ^2/NDF: 40.0/36

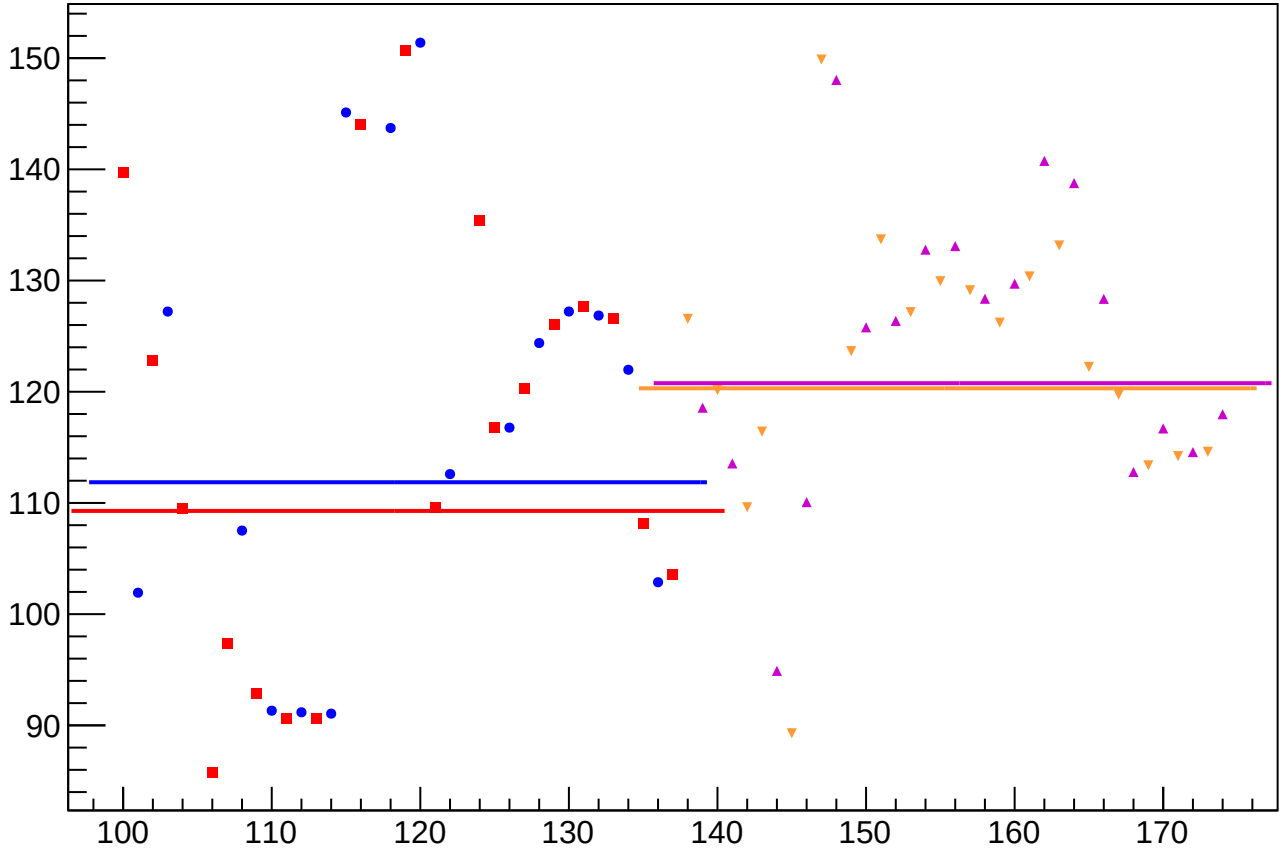
Right: 130.398+/-29.265 χ^2/NDF: 30.8/34

In: 195.489+/-25.257 χ^2/NDF:50.7/33

Out: 223.752+/-24.792 χ^2/NDF:31.1/37

All: 209.883+/-17.693 χ^2/NDF: 82.4/71

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.309+/-0.022 χ^2/NDF:356588.7/18

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

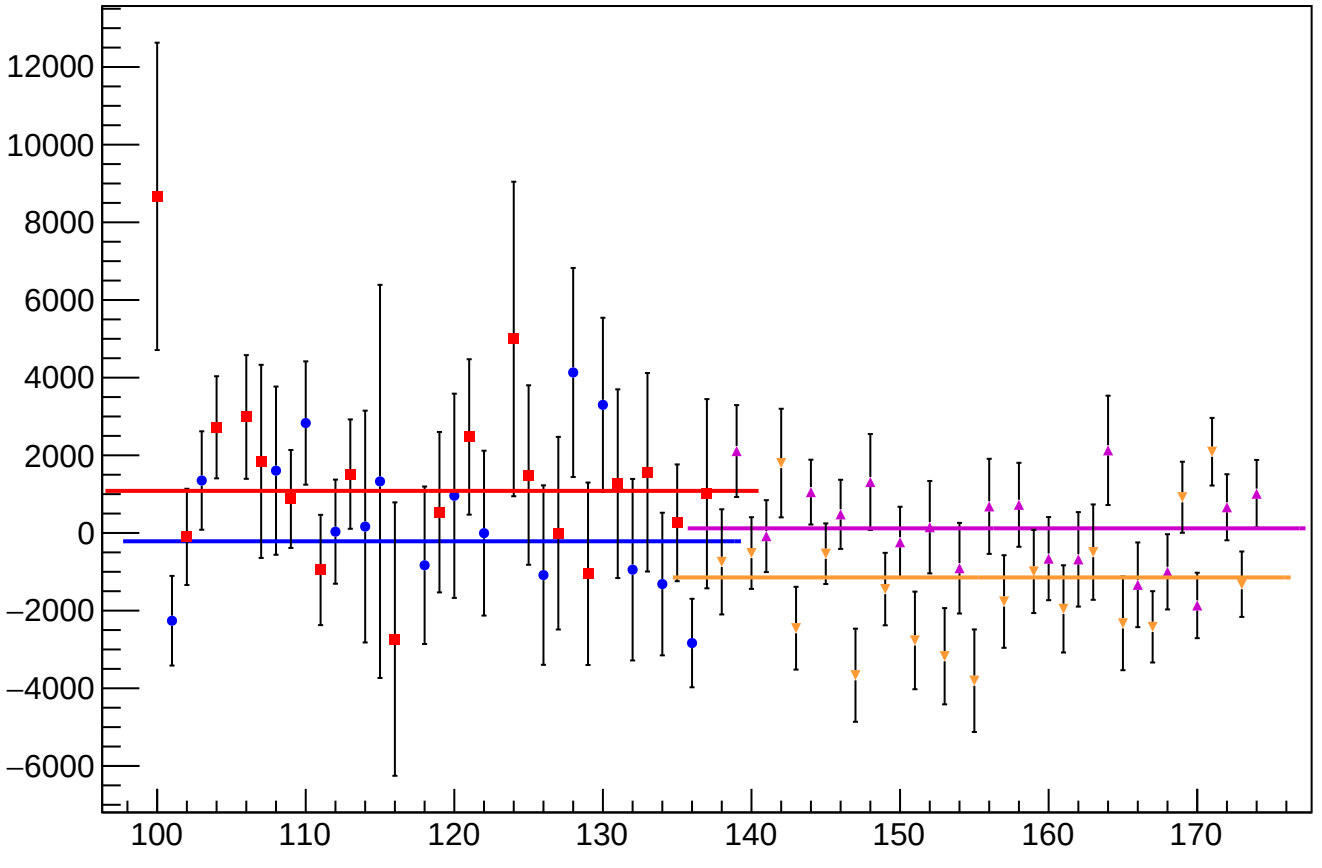
Left: 120.537+/-0.016 χ^2/NDF: 691185.0/36

Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.569+/-0.018 χ^2/NDF:697683.6/33

Out: 116.214+/-0.018 χ^2/NDF:819639.2/37

All: 116.879+/-0.013 χ^2/NDF: 1520256.0/71



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 119.461+/-239.366 χ^2/NDF:19.8/17

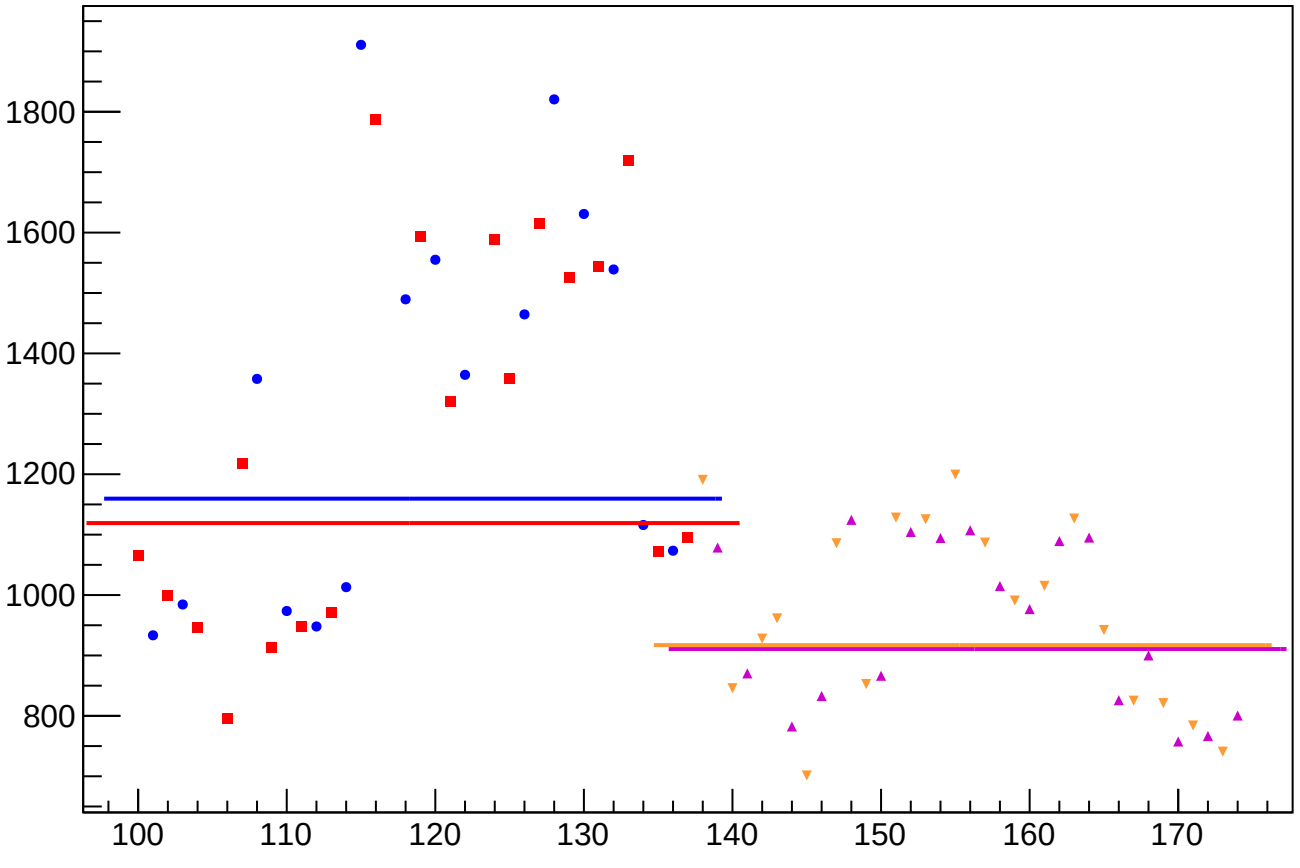
Left: -509.644+/-169.676 χ^2/NDF: 76.6/36

Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 44.297+/-210.693 χ^2/NDF:40.7/33

Out: -601.820+/-209.199 χ^2/NDF:77.8/37

All: -281.061+/-148.452 χ^2/NDF: 123.2/71



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 917.096+/-0.170 χ^2/NDF:804040.2/18

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

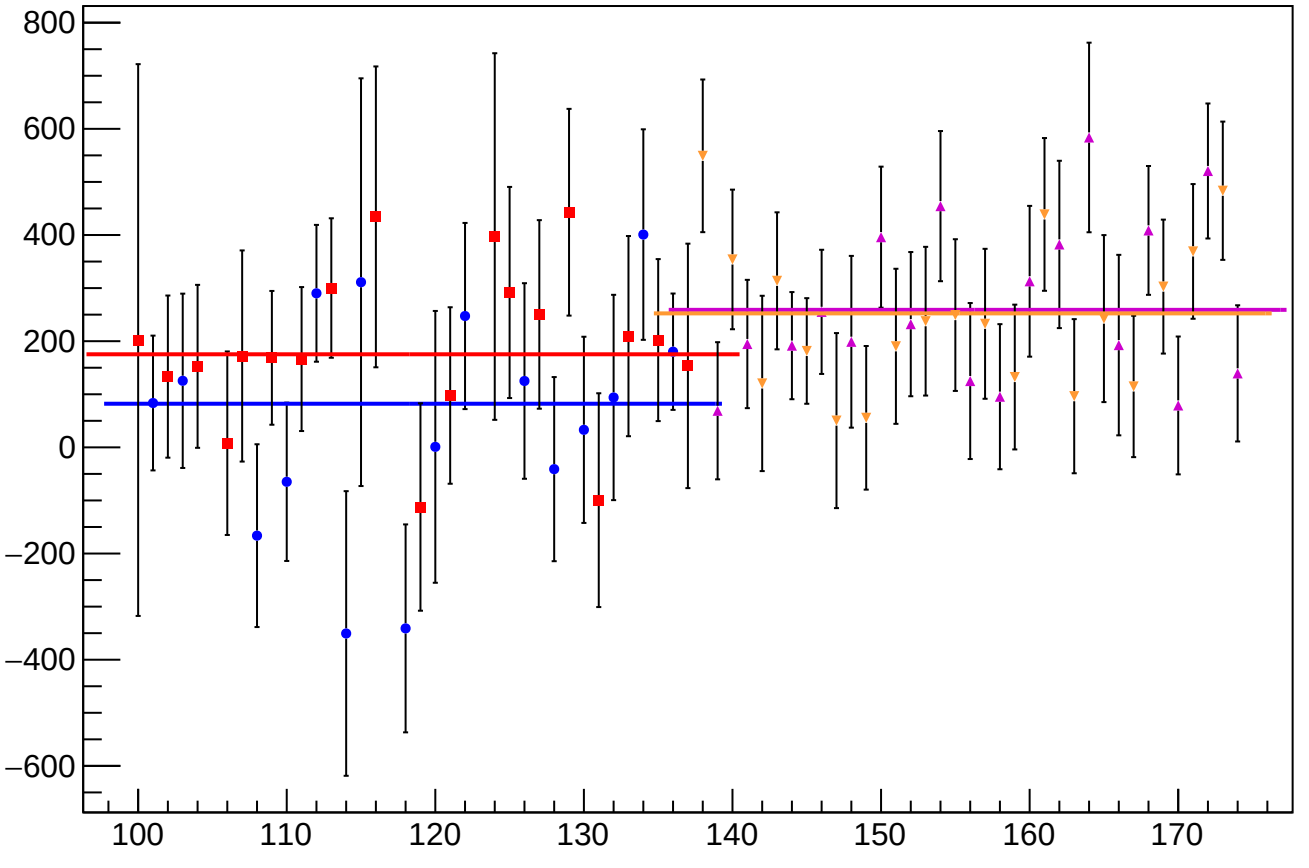
Left: 913.845+/-0.120 χ^2/NDF: 1401202.7/36

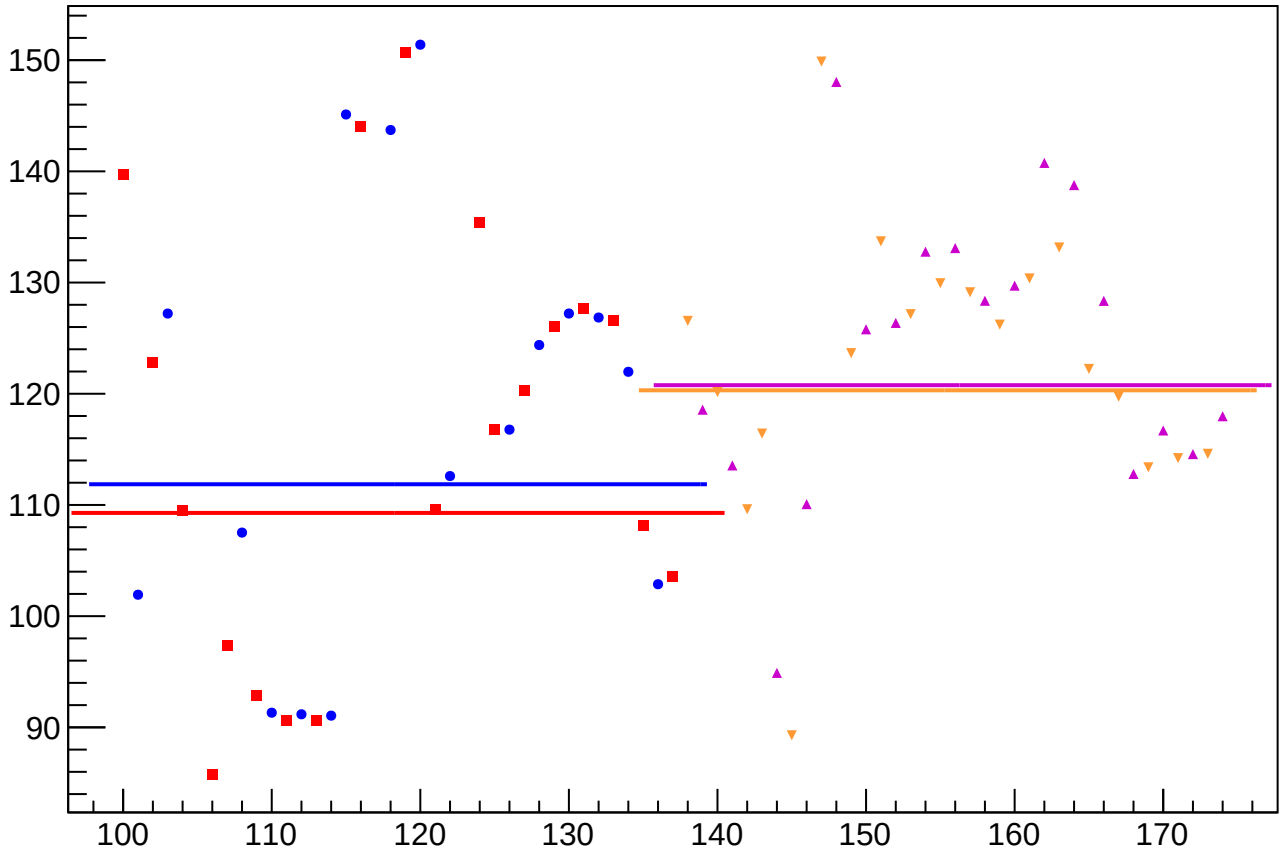
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 966.694+/-0.149 χ^2/NDF:1767332.0/33

Out: 966.338+/-0.148 χ^2/NDF:1951080.3/37

All: 966.515+/-0.105 χ^2/NDF: 3718415.1/71


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: 252.362+/-31.270 χ²/NDF:18.9/18
Right Out: 175.338+/-40.678 χ²/NDF: 9.9/18
Left In: 259.042+/-31.555 χ²/NDF:21.1/17
Left: 255.672+/-22.211 χ²/NDF: 40.0/36
Right: 130.398+/-29.265 χ²/NDF: 30.8/34
In: 195.489+/-25.257 χ²/NDF:50.7/33
Out: 223.752+/-24.792 χ²/NDF:31.1/37
All: 209.883+/-17.693 χ²/NDF: 82.4/71



Right In: 111.862+/-0.030 χ^2/NDF: 306025.0/15

Left Out: 120.309+/-0.022 χ^2/NDF:356588.7/18

Right Out: 109.284+/-0.029 χ^2/NDF: 370711.7/18

Left In: 120.770+/-0.022 χ^2/NDF:334380.5/17

Left: 120.537+/-0.016 χ^2/NDF: 691185.0/36

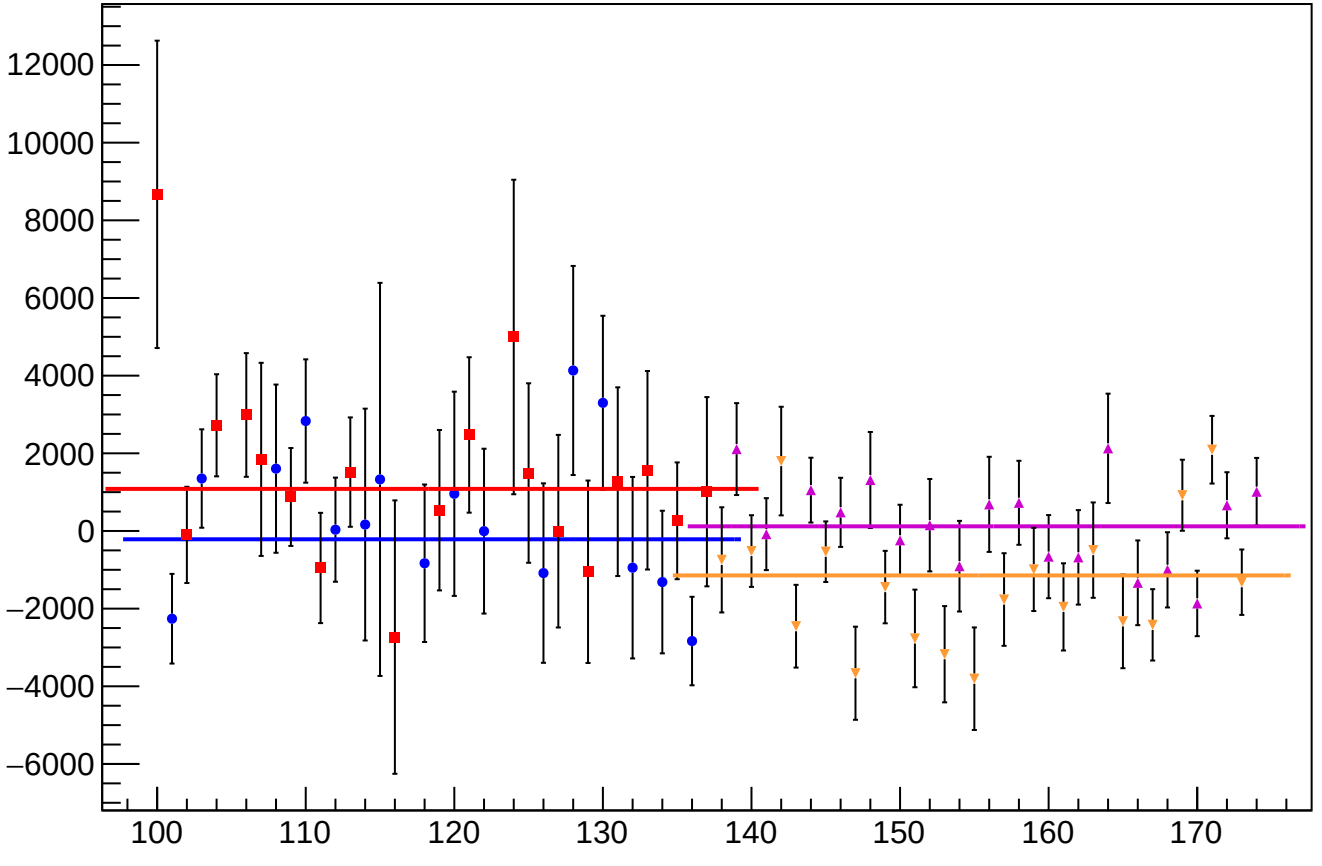
Right: 110.528+/-0.021 χ^2/NDF: 680611.7/34

In: 117.569+/-0.018 χ^2/NDF:697683.6/33

Out: 116.214+/-0.018 χ^2/NDF:819639.2/37

All: 116.879+/-0.013 χ^2/NDF: 1520256.0/71

asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -214.278+/-443.965 χ^2/NDF: 20.4/15

Left Out: -1145.010+/-240.554 χ^2/NDF:43.0/18

Right Out: 1083.943+/-423.774 χ^2/NDF: 13.9/18

Left In: 119.461+/-239.366 χ^2/NDF:19.8/17

Left: -509.644+/-169.676 χ^2/NDF: 76.6/36

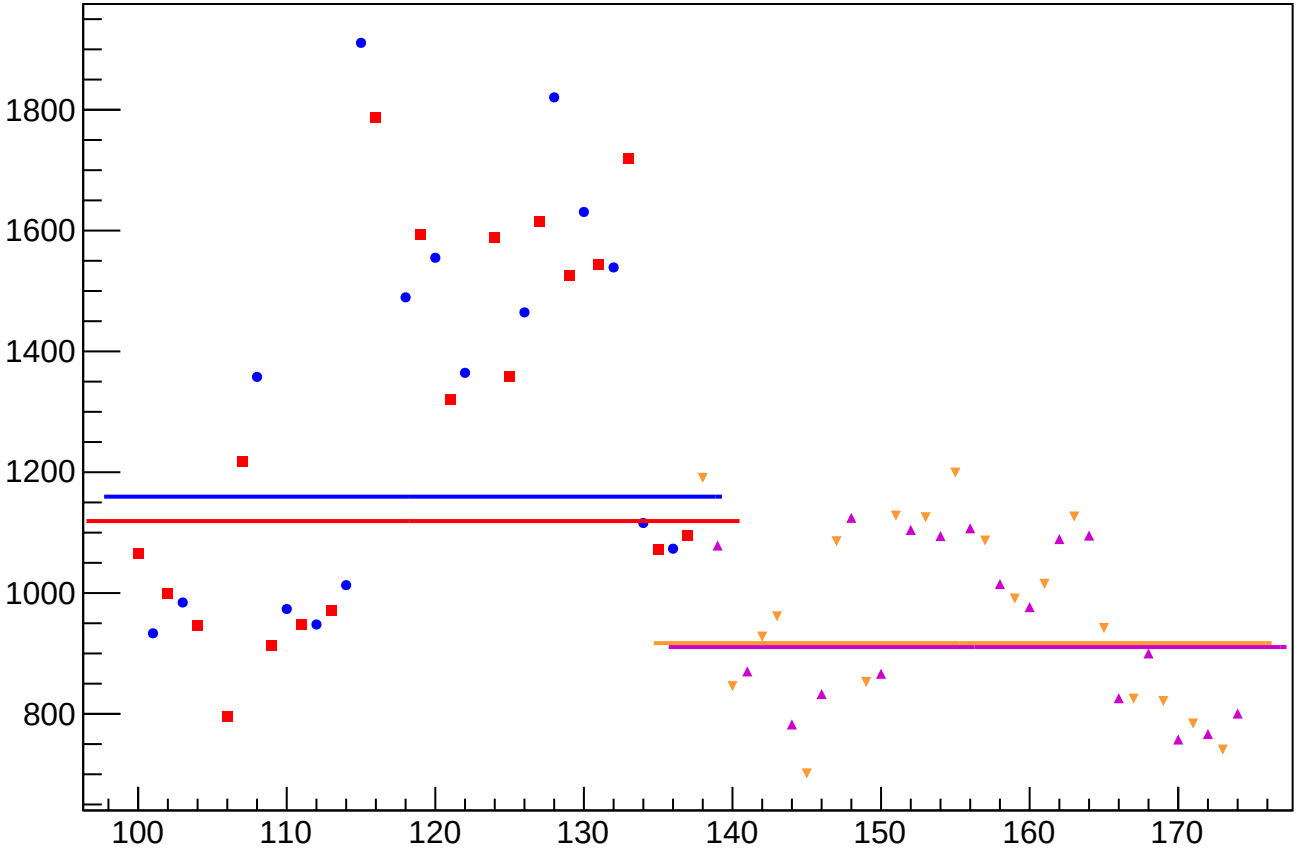
Right: 465.023+/-306.543 χ^2/NDF: 38.8/34

In: 44.297+/-210.693 χ^2/NDF:40.7/33

Out: -601.820+/-209.199 χ^2/NDF:77.8/37

All: -281.061+/-148.452 χ^2/NDF: 123.2/71

asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1159.576+/-0.314 χ^2/NDF: 683662.2/15

Left Out: 917.096+/-0.170 χ^2/NDF:804040.2/18

Right Out: 1119.156+/-0.300 χ^2/NDF: 803154.6/18

Left In: 910.626+/-0.169 χ^2/NDF:596435.3/17

Left: 913.845+/-0.120 χ^2/NDF: 1401202.7/36

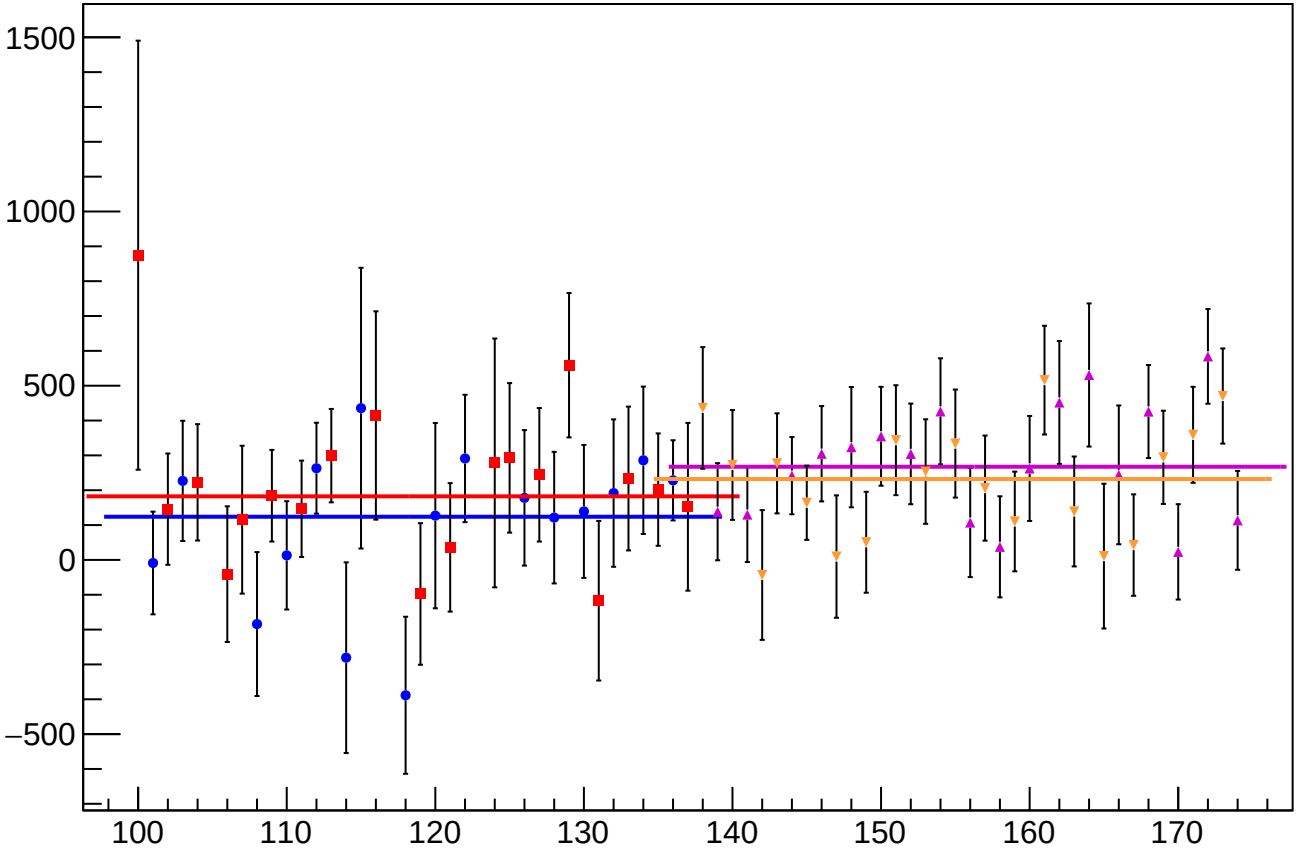
Right: 1138.426+/-0.217 χ^2/NDF: 1495491.5/34

In: 966.694+/-0.149 χ^2/NDF:1767332.0/33

Out: 966.338+/-0.148 χ^2/NDF:1951080.3/37

All: 966.515+/-0.105 χ^2/NDF: 3718415.1/71

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 123.892+/-45.238 χ^2/NDF: 15.4/15

Left Out: 232.190+/-34.269 χ^2/NDF:19.6/18

Right Out: 182.467+/-43.224 χ^2/NDF: 12.3/18

Left In: 267.408+/-34.478 χ^2/NDF:21.2/17

Left: 249.692+/-24.305 χ^2/NDF: 41.3/36

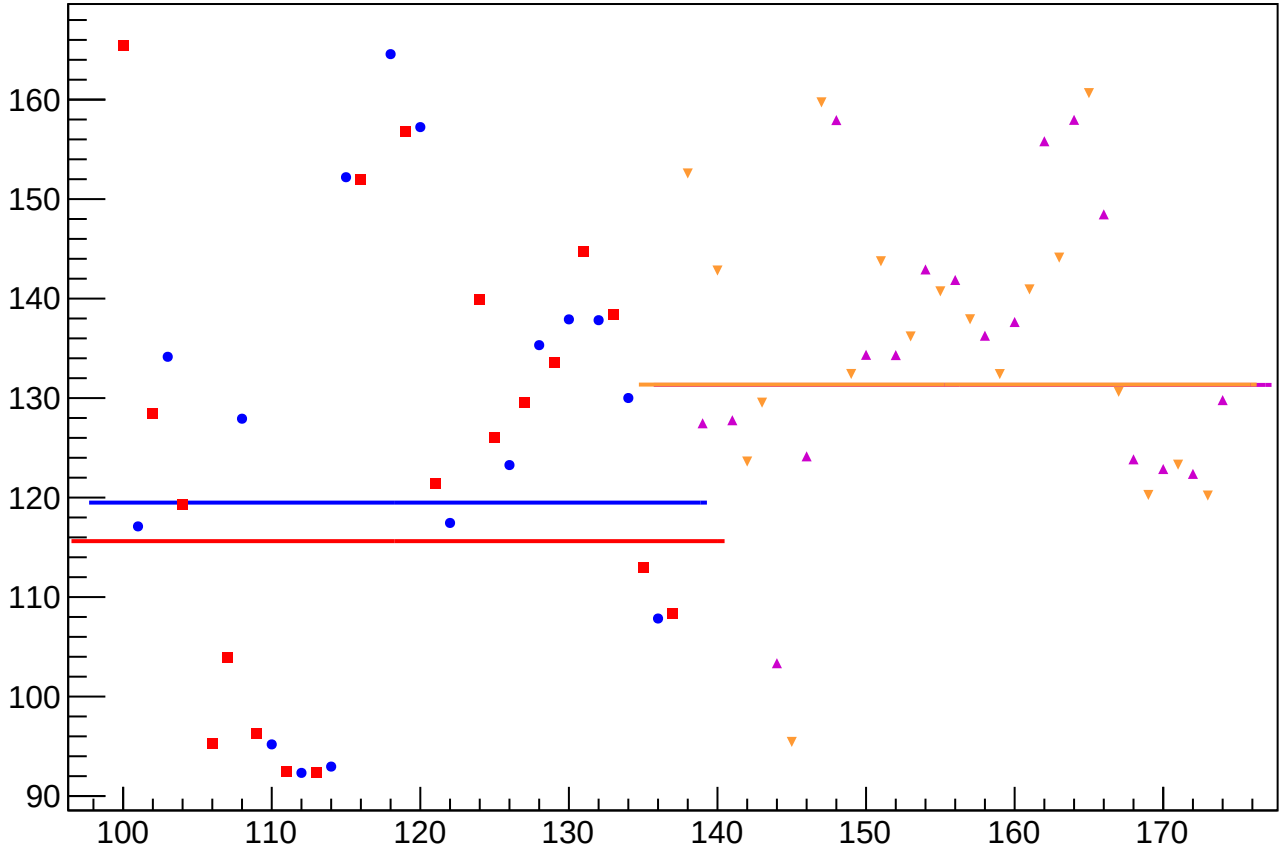
Right: 154.513+/-31.252 χ^2/NDF: 28.6/34

In: 214.675+/-27.422 χ^2/NDF:42.9/33

Out: 212.999+/-26.853 χ^2/NDF:32.7/37

All: 213.819+/-19.186 χ^2/NDF: 75.7/71

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 119.495+/-0.032 χ^2/NDF: 380250.8/15

Left Out: 131.357+/-0.024 χ^2/NDF:443736.4/18

Right Out: 115.622+/-0.031 χ^2/NDF: 426961.7/18

Left In: 131.324+/-0.024 χ^2/NDF:321535.2/17

Left: 131.341+/-0.017 χ^2/NDF: 765272.5/36

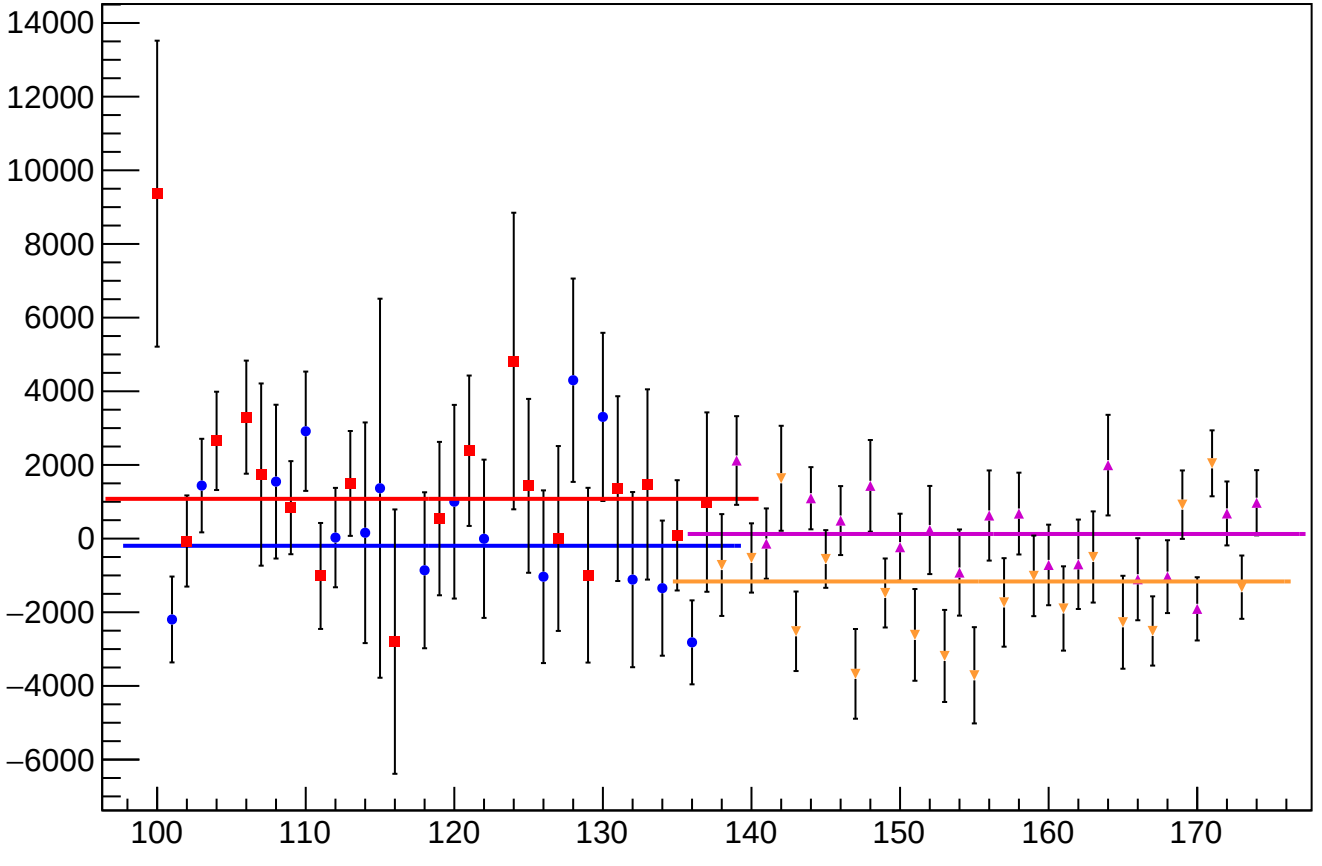
Right: 117.470+/-0.022 χ^2/NDF: 814875.1/34

In: 126.978+/-0.019 χ^2/NDF:788298.3/33

Out: 125.284+/-0.019 χ^2/NDF:1033449.2/37

All: 126.113+/-0.014 χ^2/NDF: 1825642.8/71

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: -1163.876+/-244.104 χ^2/NDF:40.4/18

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 125.512+/-243.009 χ^2/NDF:19.2/17

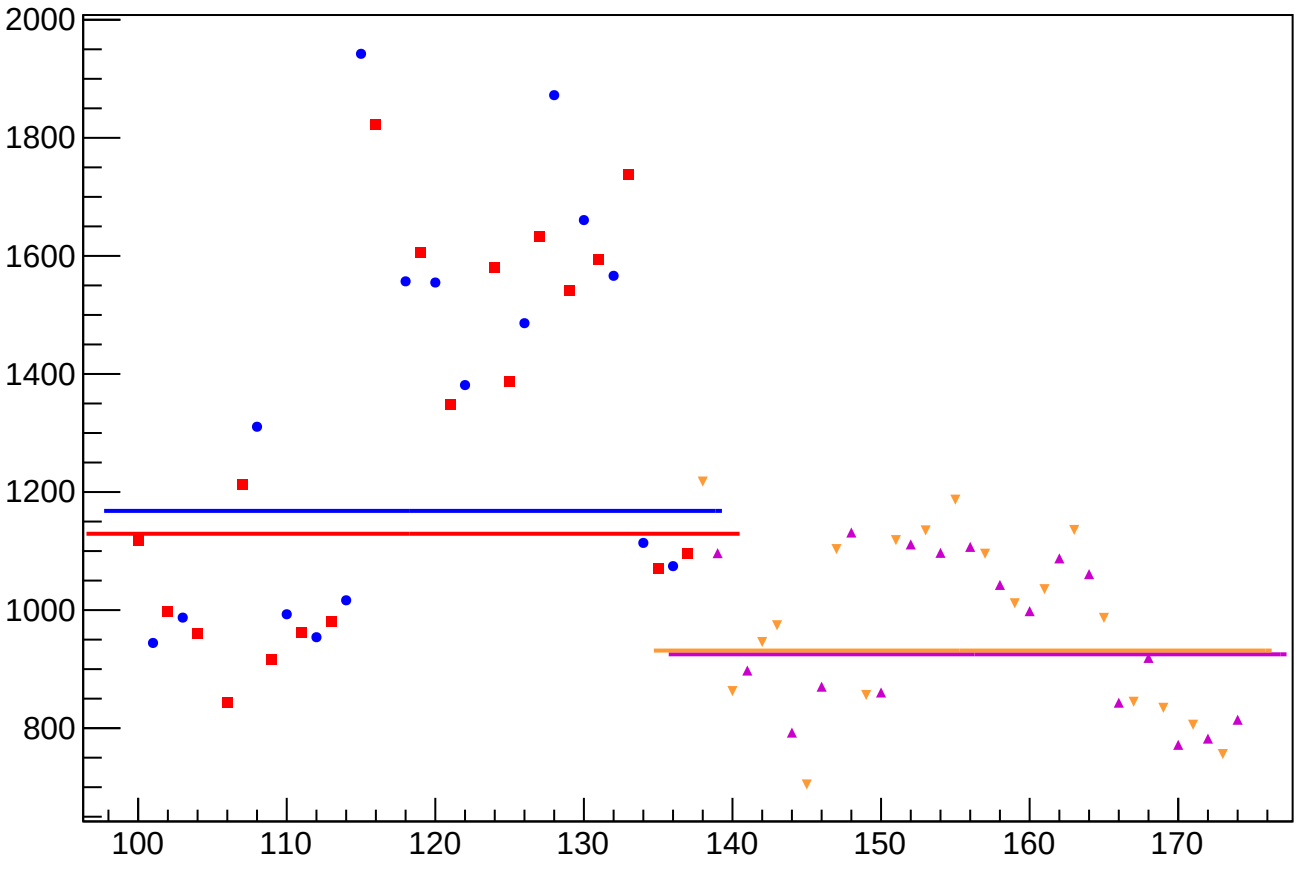
Left: -516.283+/-172.219 χ^2/NDF: 73.6/36

Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 52.459+/-213.535 χ^2/NDF:40.0/33

Out: -609.280+/-211.790 χ^2/NDF:75.9/37

All: -281.124+/-150.371 χ^2/NDF: 120.7/71



Right In: 1168.063+/-0.316 χ^2/NDF: 709363.8/15

Left Out: 931.454+/-0.173 χ^2/NDF:779249.0/18

Right Out: 1129.316+/-0.301 χ^2/NDF: 807222.5/18

Left In: 925.110+/-0.172 χ^2/NDF:546437.5/17

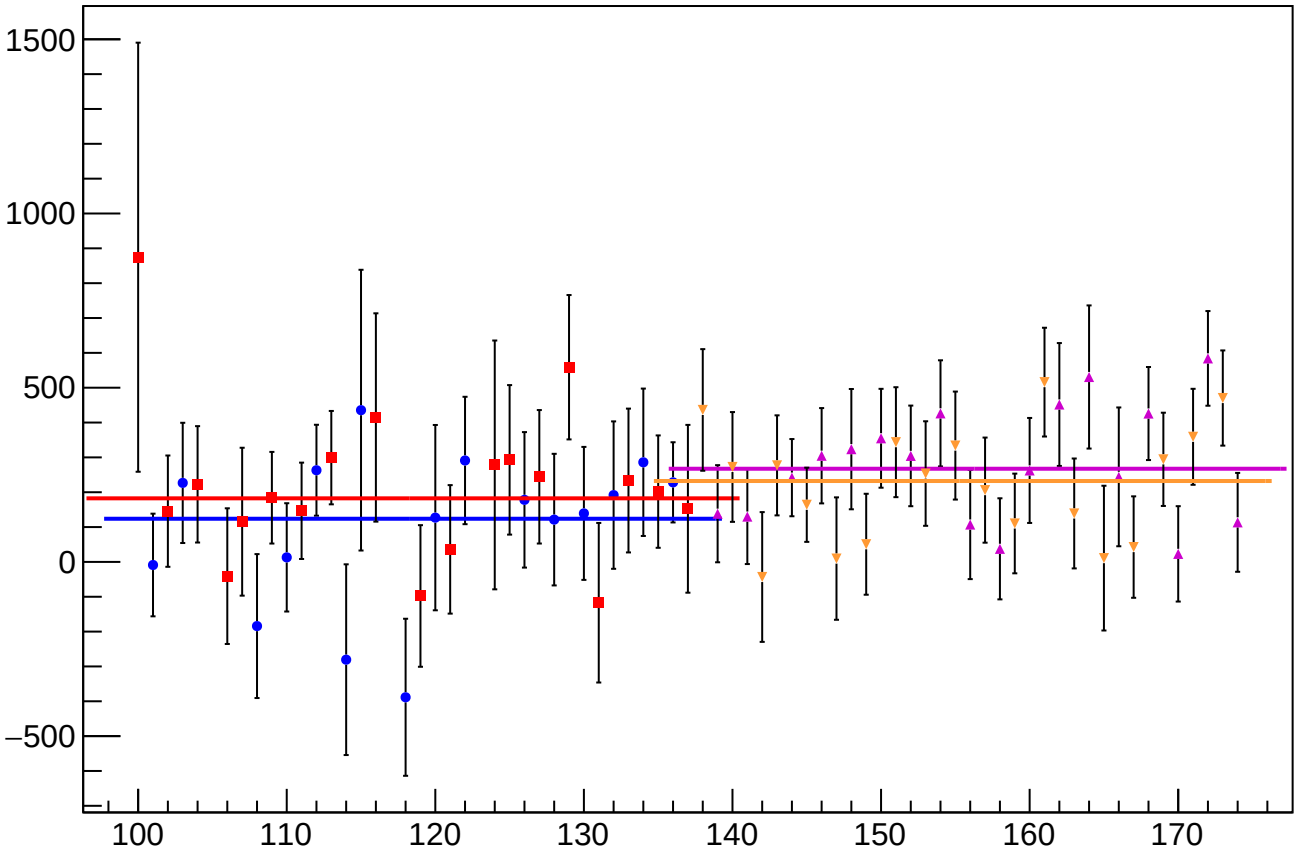
Left: 928.268+/-0.122 χ^2/NDF: 1326364.9/36

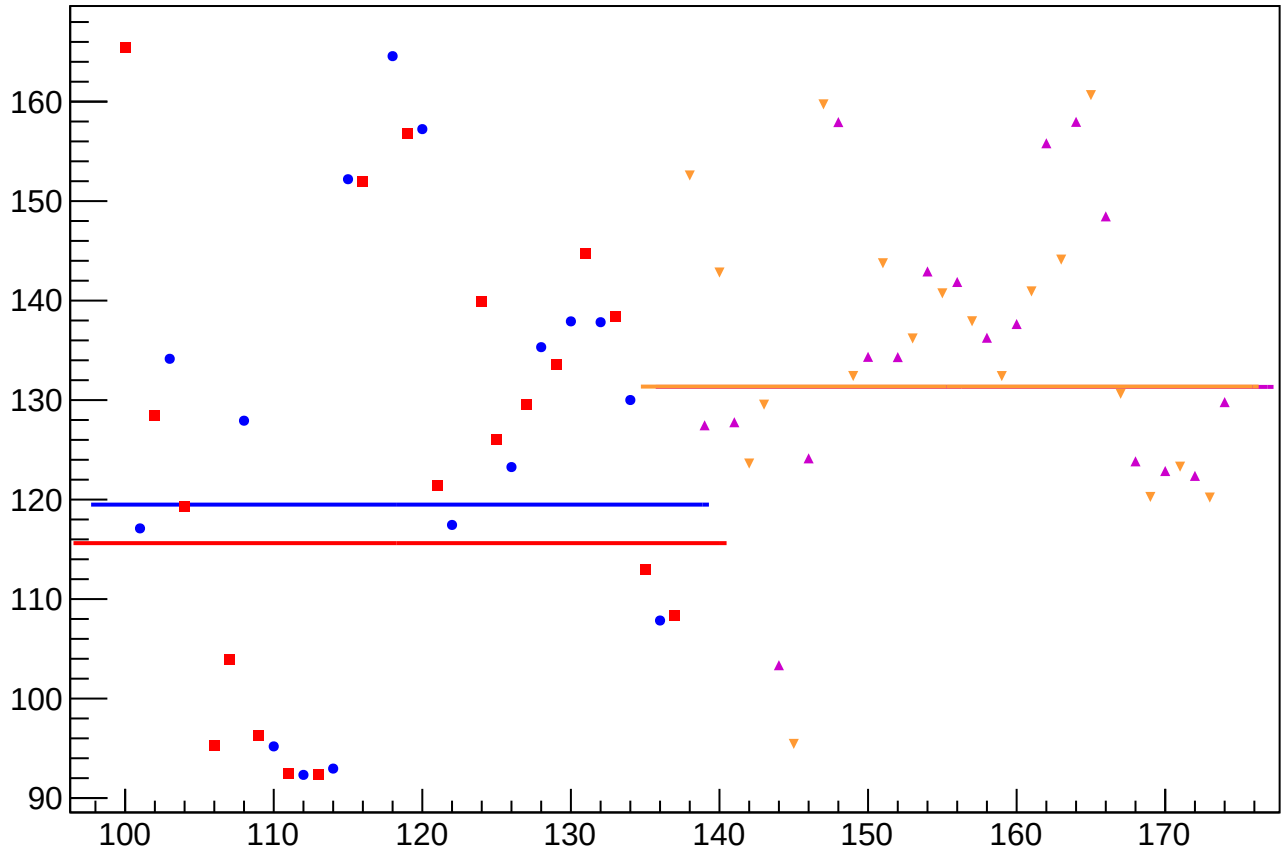
Right: 1147.741+/-0.218 χ^2/NDF: 1524455.8/34

In: 980.470+/-0.151 χ^2/NDF:1711317.4/33

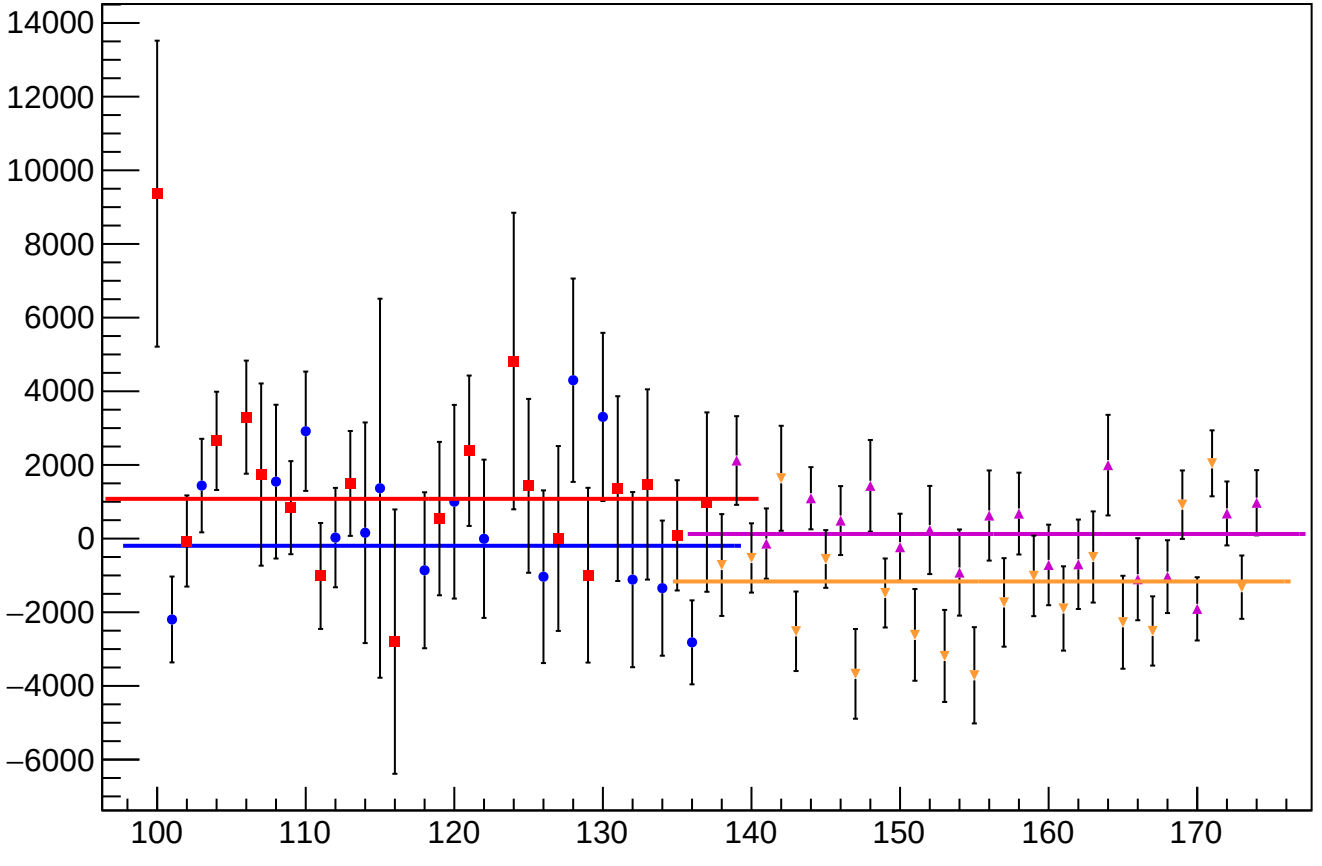
Out: 980.371+/-0.150 χ^2/NDF:1911337.2/37

All: 980.420+/-0.106 χ^2/NDF: 3622654.8/71


eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: 123.895+/-45.238 χ²/NDF: 15.4/15
Left Out: 232.193+/-34.269 χ²/NDF:19.6/18
Right Out: 182.468+/-43.224 χ²/NDF: 12.3/18
Left In: 267.409+/-34.478 χ²/NDF:21.2/17
Left: 249.694+/-24.305 χ²/NDF: 41.3/36
Right: 154.514+/-31.252 χ²/NDF: 28.6/34
In: 214.676+/-27.422 χ²/NDF:42.9/33
Out: 213.001+/-26.853 χ²/NDF:32.7/37
All: 213.821+/-19.186 χ²/NDF: 75.7/71


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: 131.357+/-0.024 χ²/NDF:443738.0/18
Right Out: 115.622+/-0.031 χ²/NDF: 426966.4/18
Left In: 131.324+/-0.024 χ²/NDF:321535.4/17
Left: 131.341+/-0.017 χ²/NDF: 765274.3/36
Right: 117.470+/-0.022 χ²/NDF: 814883.4/34
In: 126.978+/-0.019 χ²/NDF:788302.0/33
Out: 125.284+/-0.019 χ²/NDF:1033457.3/37
All: 126.113+/-0.014 χ²/NDF: 1825654.6/71

asym_sam_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -195.085+/-447.334 χ^2/NDF: 20.4/15

Left Out: -1163.873+/-244.103 χ^2/NDF:40.4/18

Right Out: 1079.393+/-425.950 χ^2/NDF: 14.6/18

Left In: 125.511+/-243.008 χ^2/NDF:19.2/17

Left: -516.283+/-172.219 χ^2/NDF: 73.6/36

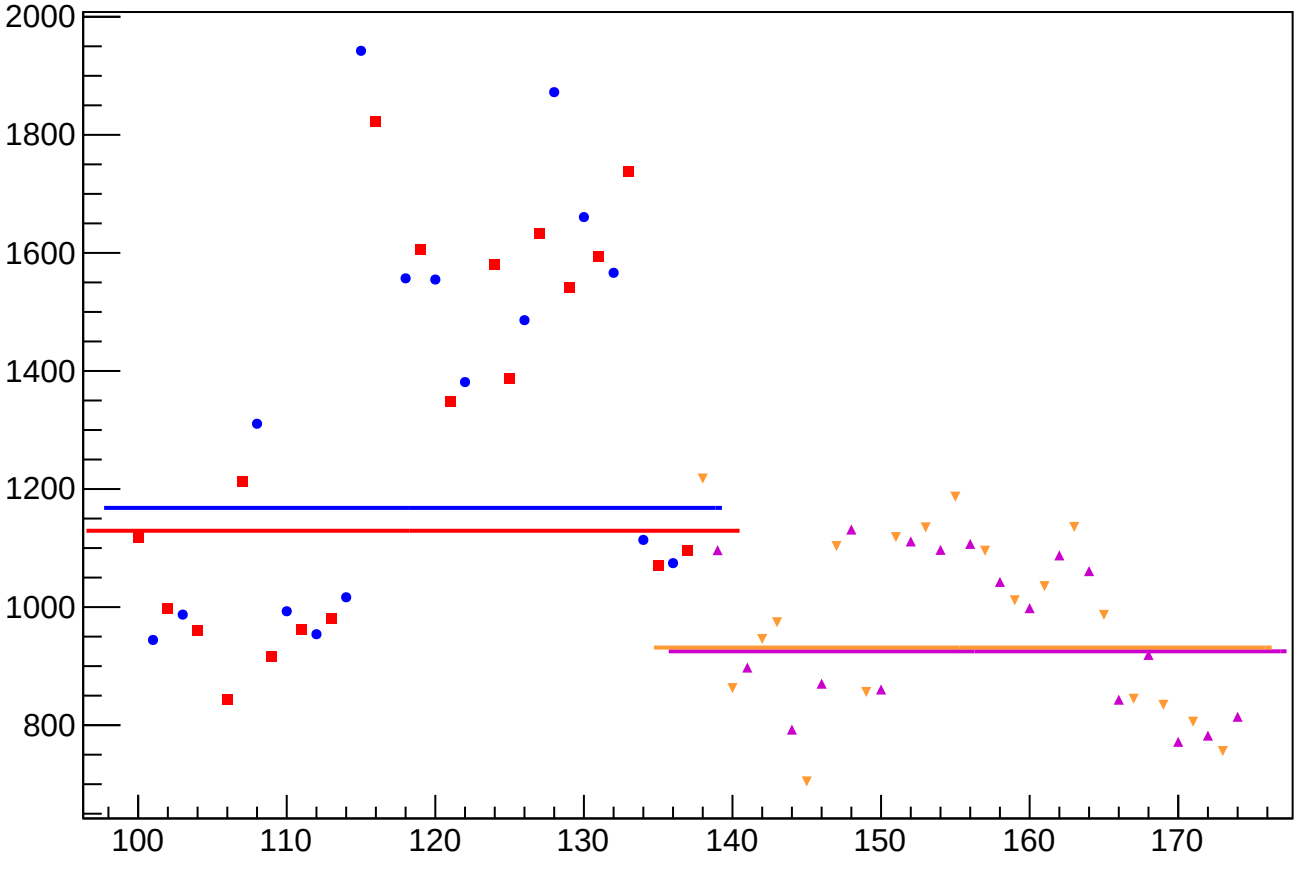
Right: 473.342+/-308.475 χ^2/NDF: 39.2/34

In: 52.459+/-213.535 χ^2/NDF:40.0/33

Out: -609.278+/-211.790 χ^2/NDF:75.9/37

All: -281.124+/-150.371 χ^2/NDF: 120.7/71

asym_sam_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1168.063+/-0.316 χ^2/NDF: 709365.6/15

Left Out: 931.453+/-0.173 χ^2/NDF:779252.7/18

Right Out: 1129.316+/-0.301 χ^2/NDF: 807224.0/18

Left In: 925.110+/-0.172 χ^2/NDF:546438.4/17

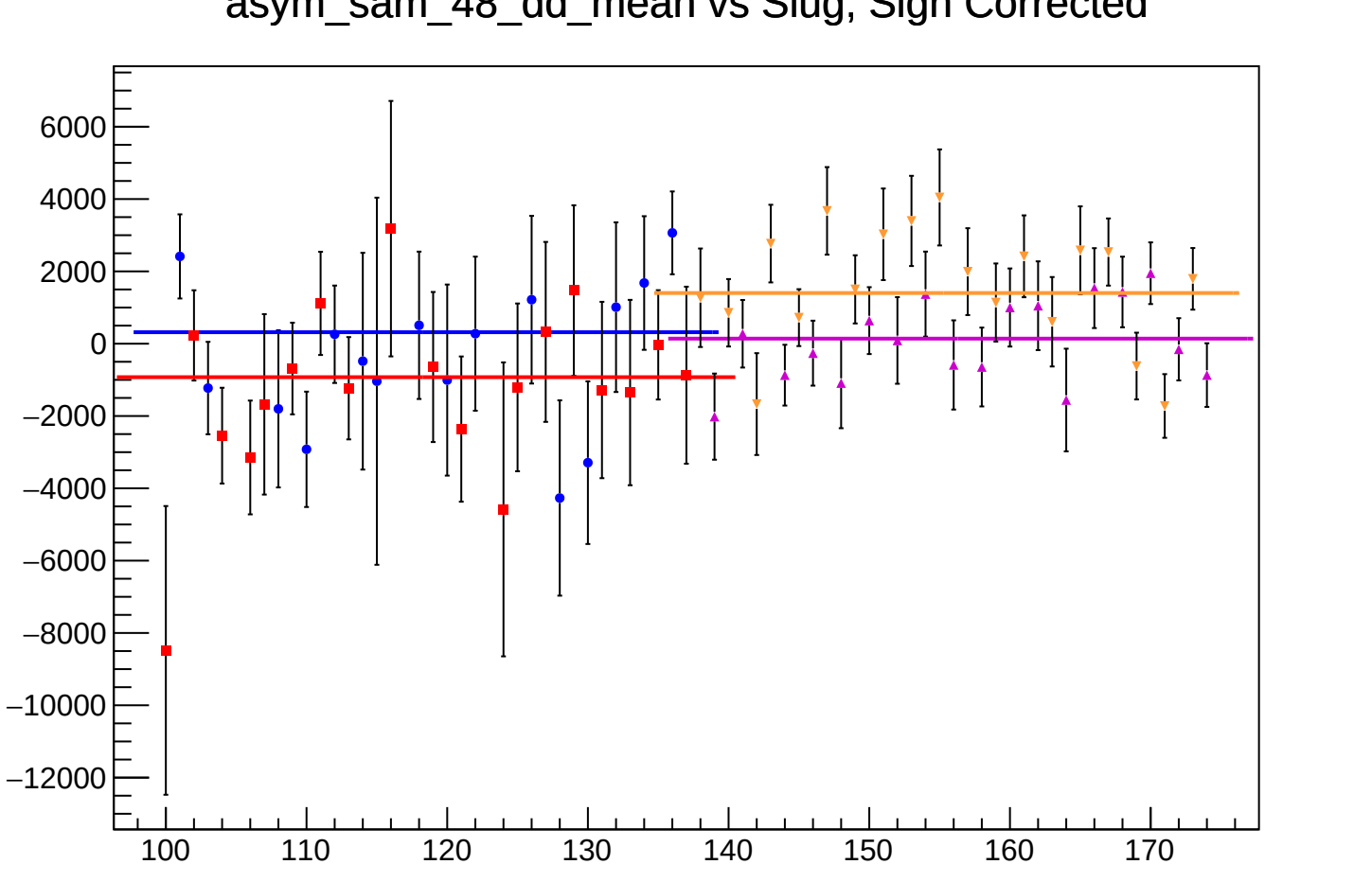
Left: 928.267+/-0.122 χ^2/NDF: 1326369.5/36

Right: 1147.741+/-0.218 χ^2/NDF: 1524459.2/34

In: 980.470+/-0.151 χ^2/NDF:1711322.6/33

Out: 980.370+/-0.150 χ^2/NDF:1911344.2/37

All: 980.419+/-0.106 χ^2/NDF: 3622667.0/71



Right In: 317.365+/-446.341 χ^2/NDF: 22.2/15

Left Out: 1401.596+/-242.704 χ^2/NDF:40.7/18

Right Out: -926.036+/-425.405 χ^2/NDF: 14.5/18

Left In: 140.027+/-241.554 χ^2/NDF:20.1/17

Left: 767.816+/-171.210 χ^2/NDF: 74.3/36

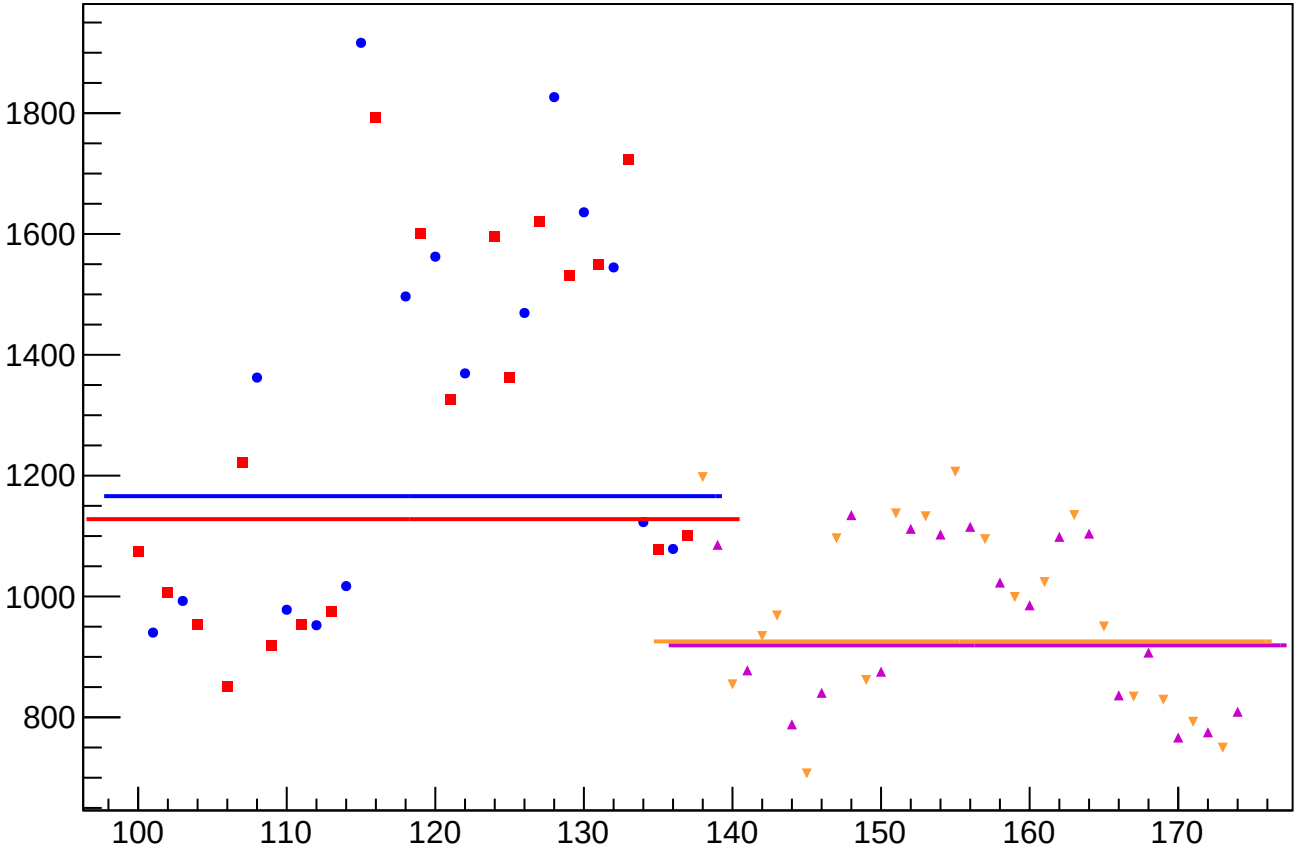
Right: -334.180+/-307.942 χ^2/NDF: 40.8/34

In: 180.200+/-212.439 χ^2/NDF:42.4/33

Out: 830.006+/-210.808 χ^2/NDF:77.8/37

All: 507.607+/-149.637 χ^2/NDF: 124.9/71

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1166.056+/-0.316 χ^2/NDF: 677063.1/15

Left Out: 925.539+/-0.172 χ^2/NDF:792483.9/18

Right Out: 1128.006+/-0.301 χ^2/NDF: 775766.7/18

Left In: 919.152+/-0.171 χ^2/NDF:587134.0/17

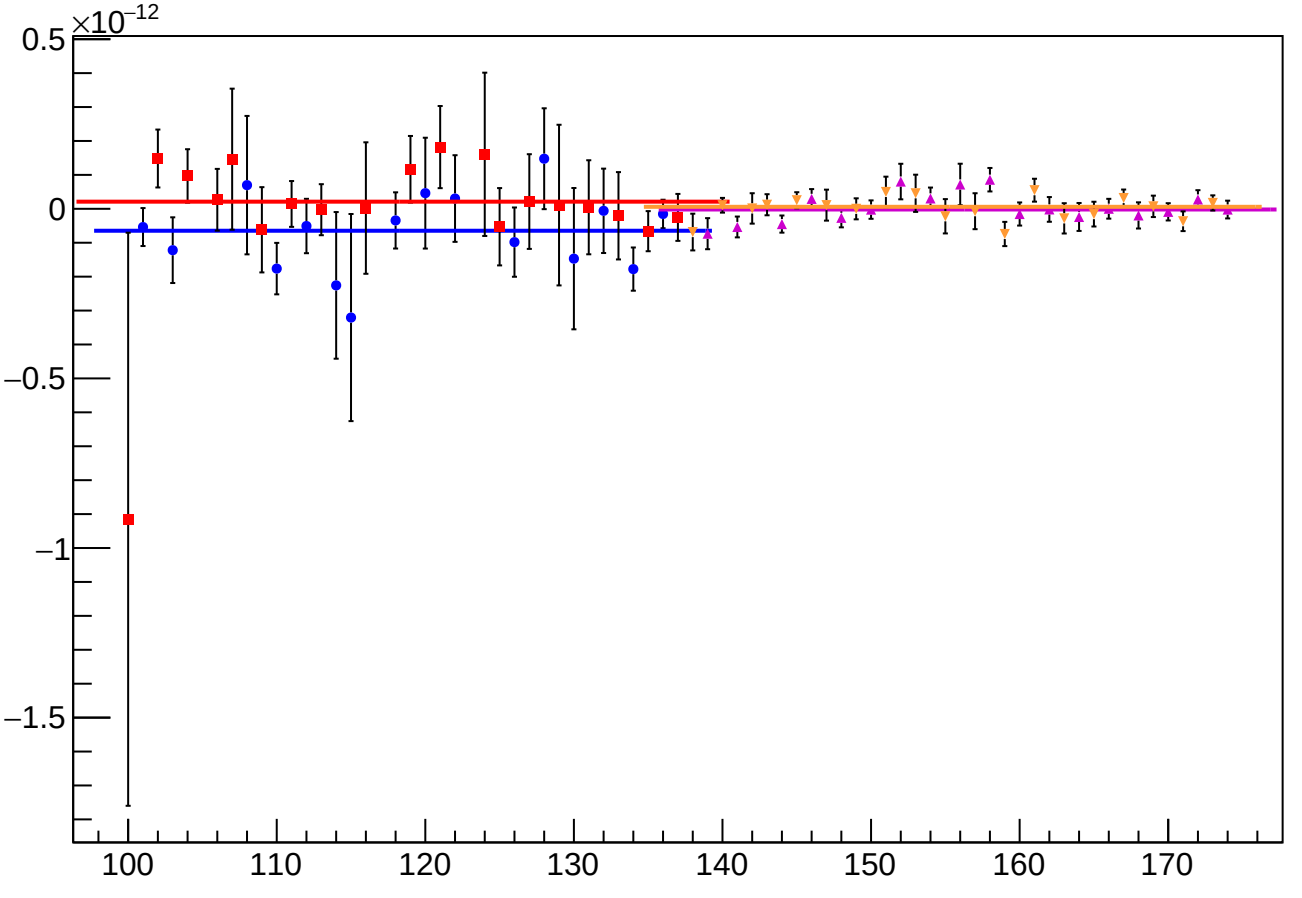
Left: 922.330+/-0.121 χ^2/NDF: 1380313.8/36

Right: 1146.118+/-0.218 χ^2/NDF: 1460446.1/34

In: 975.085+/-0.150 χ^2/NDF:1737561.7/33

Out: 975.259+/-0.149 χ^2/NDF:1910036.7/37

All: 975.172+/-0.106 χ^2/NDF: 3647599.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 12.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 11.5/18

Left In: -0.000+/-0.000 χ^2/NDF:23.4/17

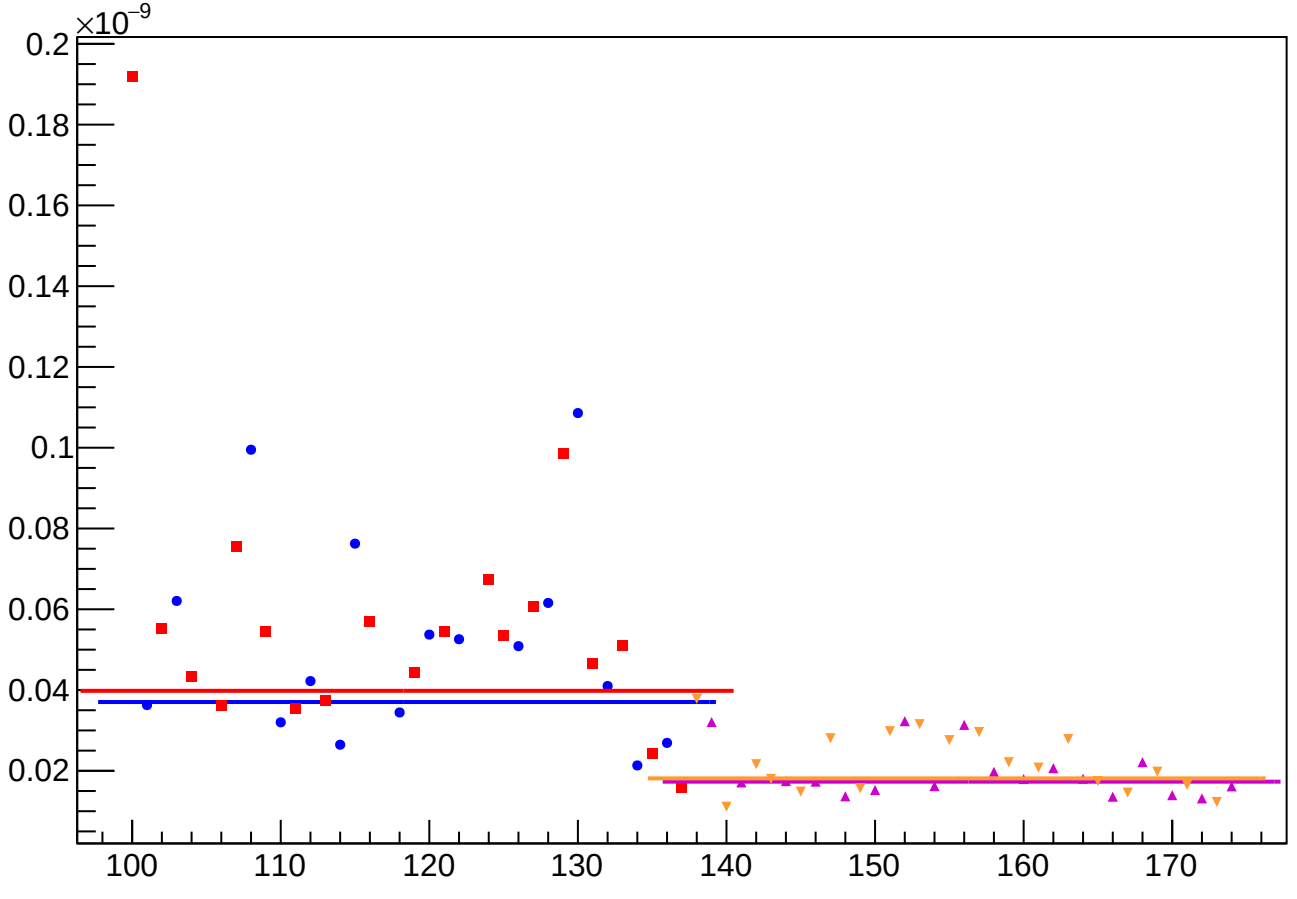
Left: 0.000+/-0.000 χ^2/NDF: 40.0/36

Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:43.2/33

Out: 0.000+/-0.000 χ^2/NDF:28.0/37

All: -0.000+/-0.000 χ^2/NDF: 73.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 995390.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:1370746.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 903728.0/18

Left In: 0.000+/-0.000 χ^2/NDF:700051.5/17

Left: 0.000+/-0.000 χ^2/NDF: 2082556.0/36

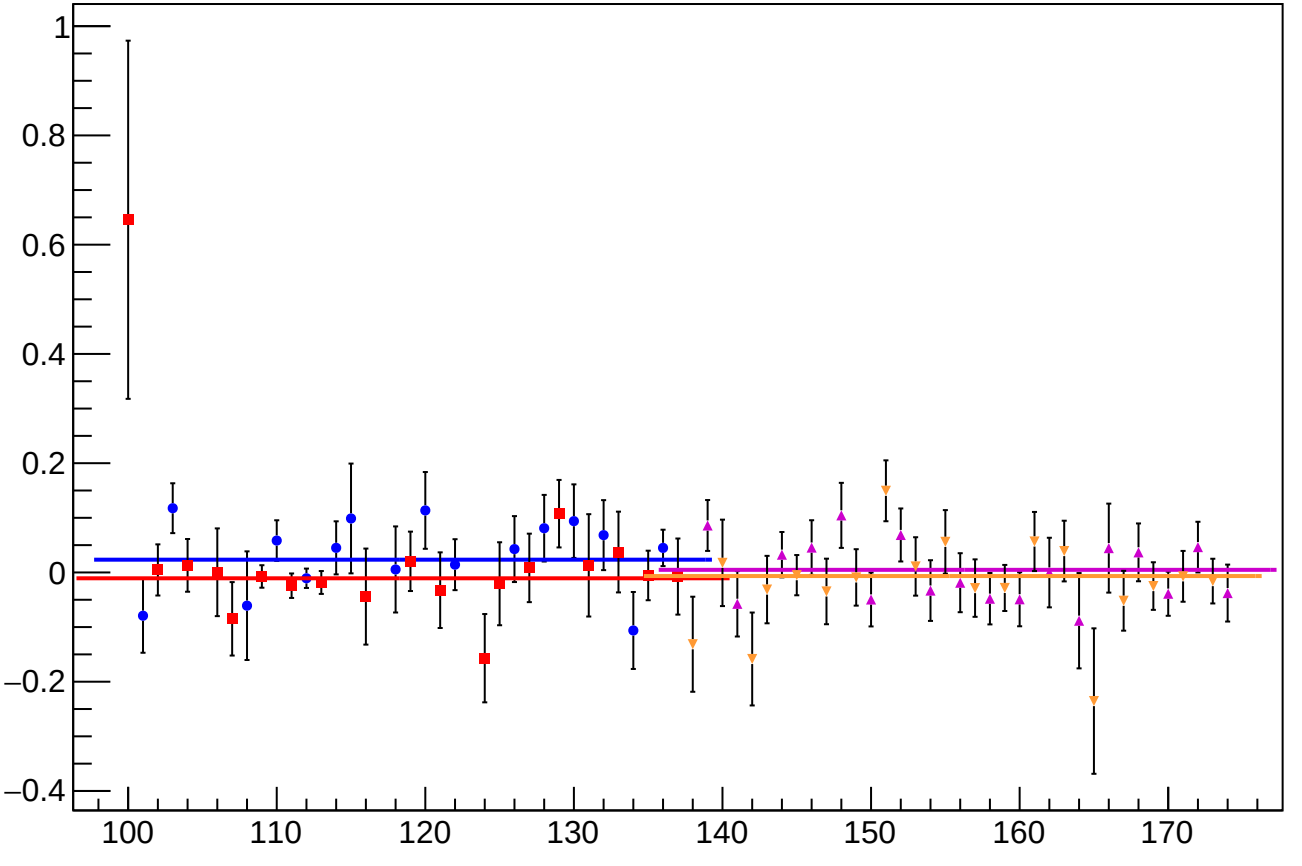
Right: 0.000+/-0.000 χ^2/NDF: 1914342.0/34

In: 0.000+/-0.000 χ^2/NDF:3154634.8/33

Out: 0.000+/-0.000 χ^2/NDF:3864729.8/37

All: 0.000+/-0.000 χ^2/NDF: 7032535.8/71

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

Left: -0.001+/-0.009 χ^2/NDF: 40.1/36

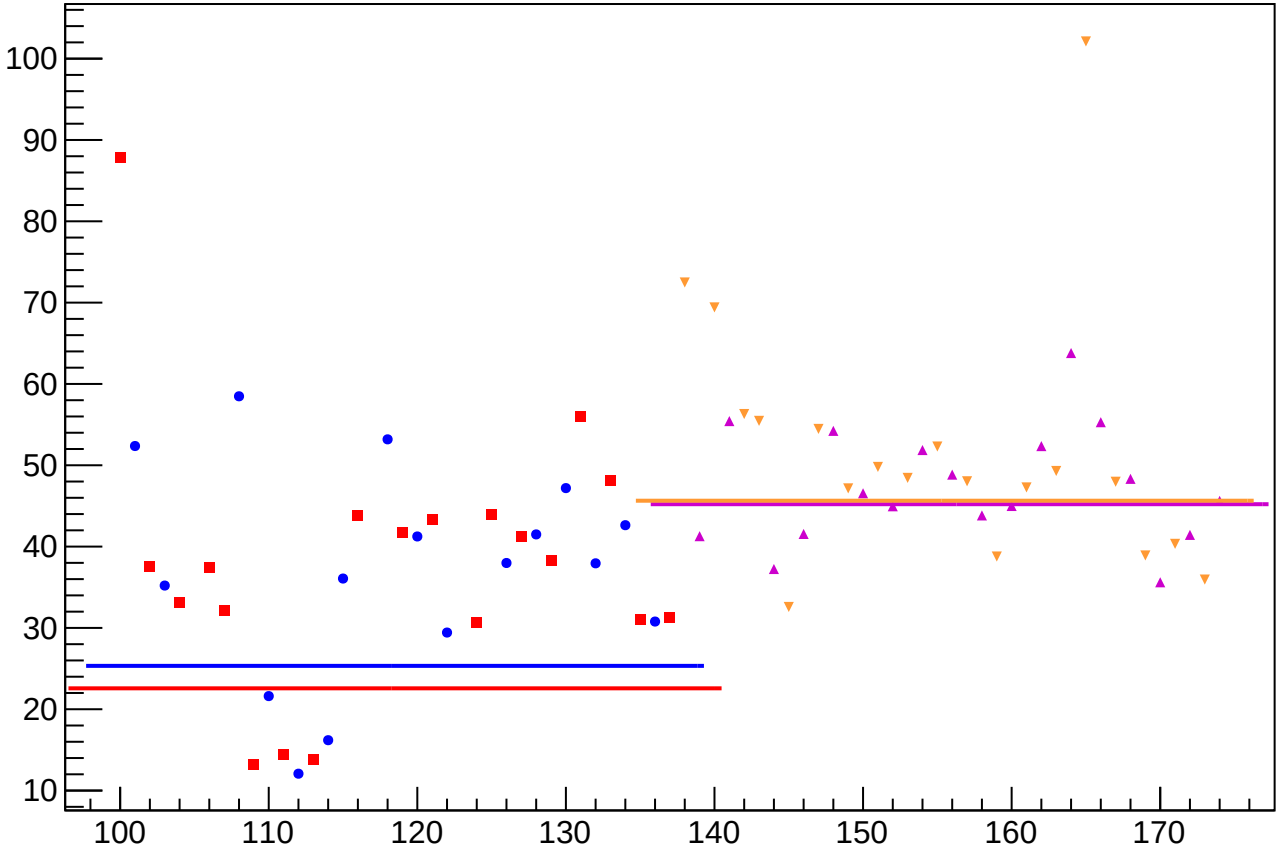
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:35.5/37

All: 0.002+/-0.006 χ^2/NDF: 80.6/71

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409427.4/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

Left: 45.426+/-0.006 χ^2/NDF: 1934211.3/36

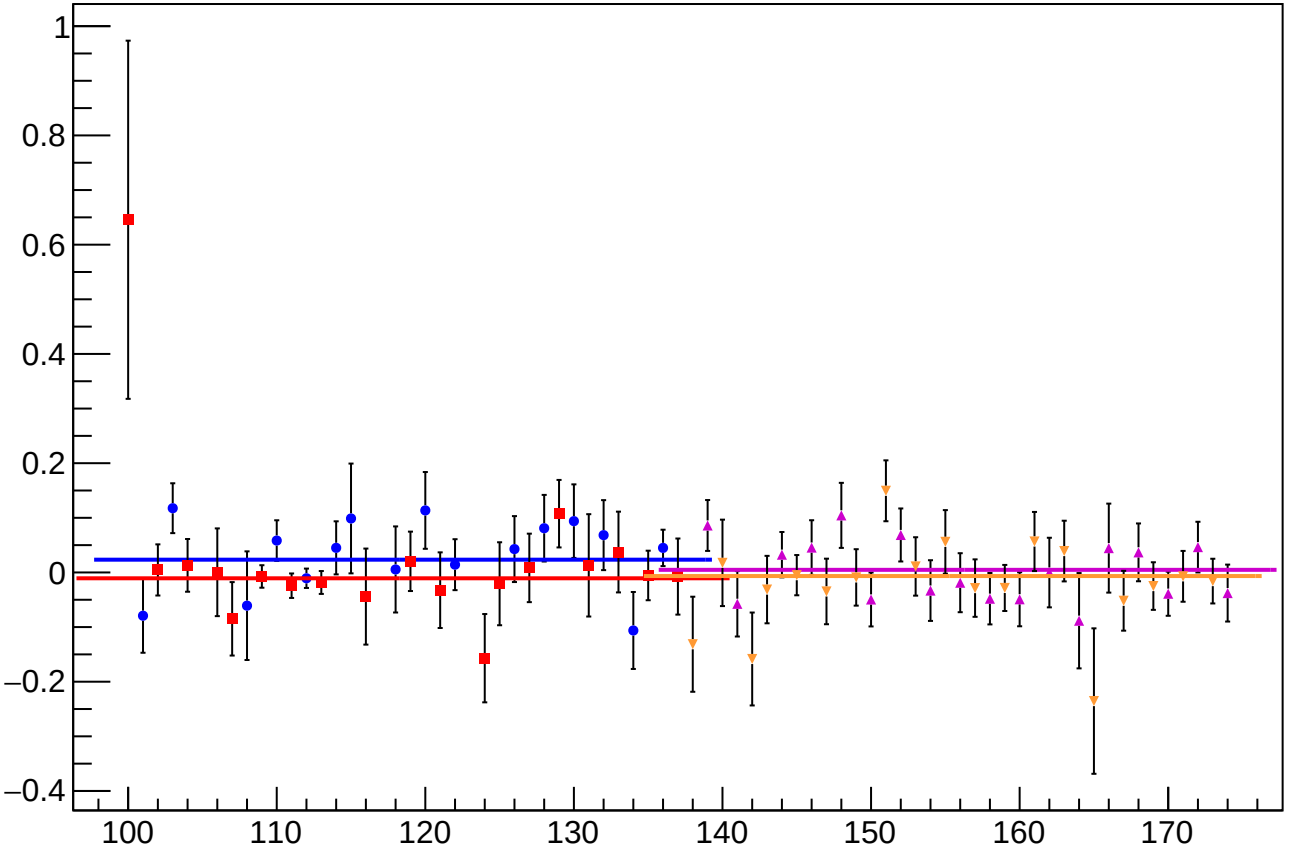
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.292+/-0.006 χ^2/NDF:6355725.6/33

Out: 31.537+/-0.005 χ^2/NDF:8855006.3/37

All: 32.821+/-0.004 χ^2/NDF: 15331164.9/71

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: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

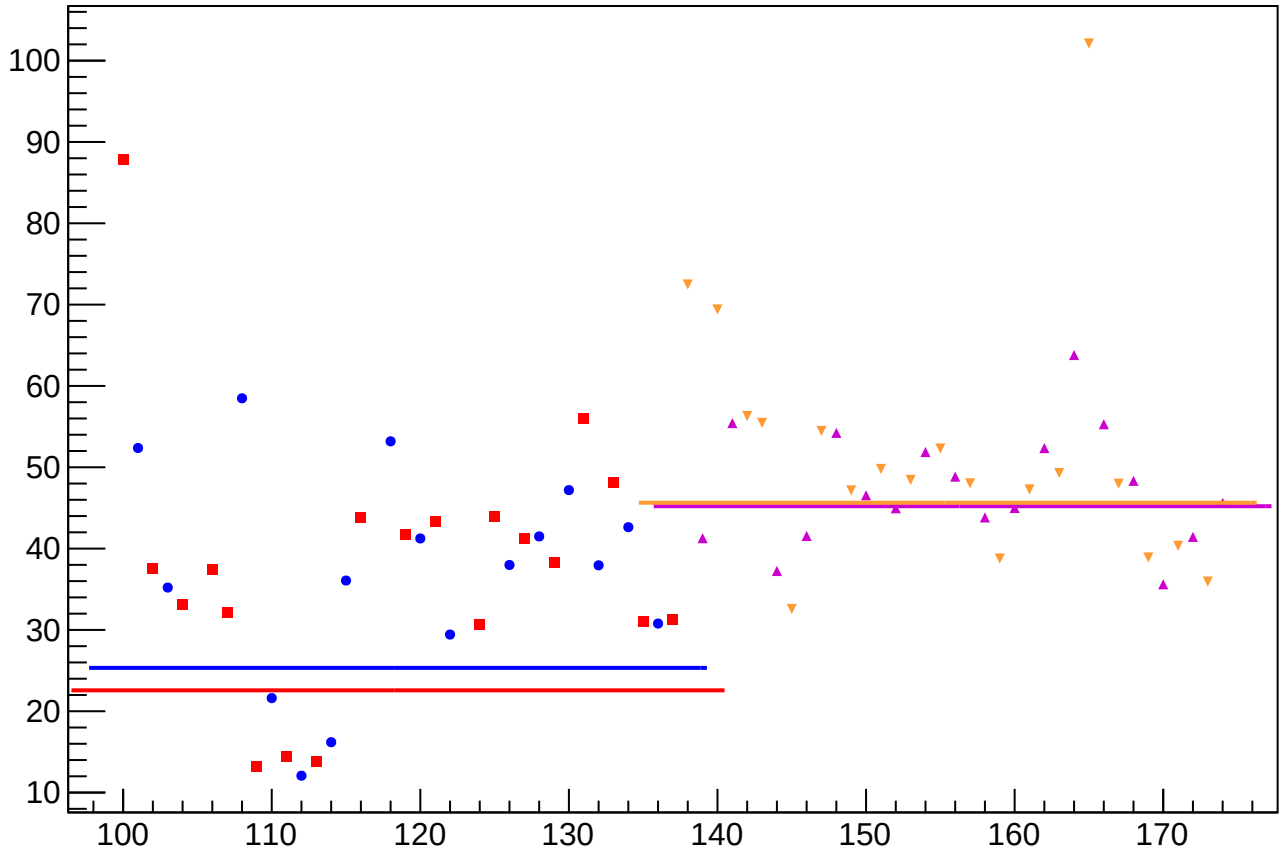
Left: -0.001+/-0.009 χ^2/NDF: 40.1/36

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:35.5/37

All: 0.002+/-0.006 χ^2/NDF: 80.6/71



Right In: 25.334+/-0.008 χ^2/NDF: 2925132.2/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409427.4/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3139937.1/18

Left In: 45.213+/-0.009 χ^2/NDF:523558.6/17

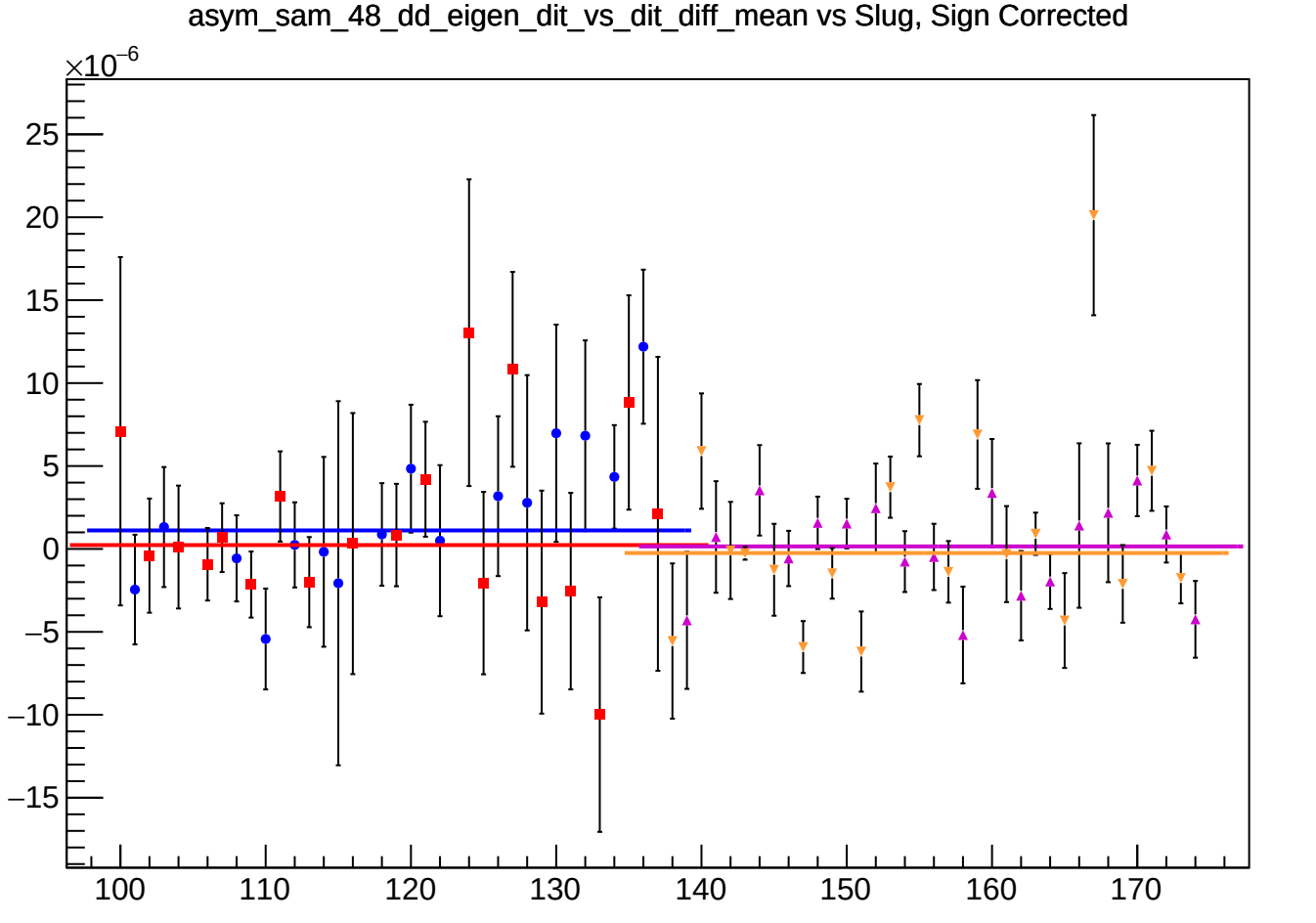
Left: 45.426+/-0.006 χ^2/NDF: 1934211.3/36

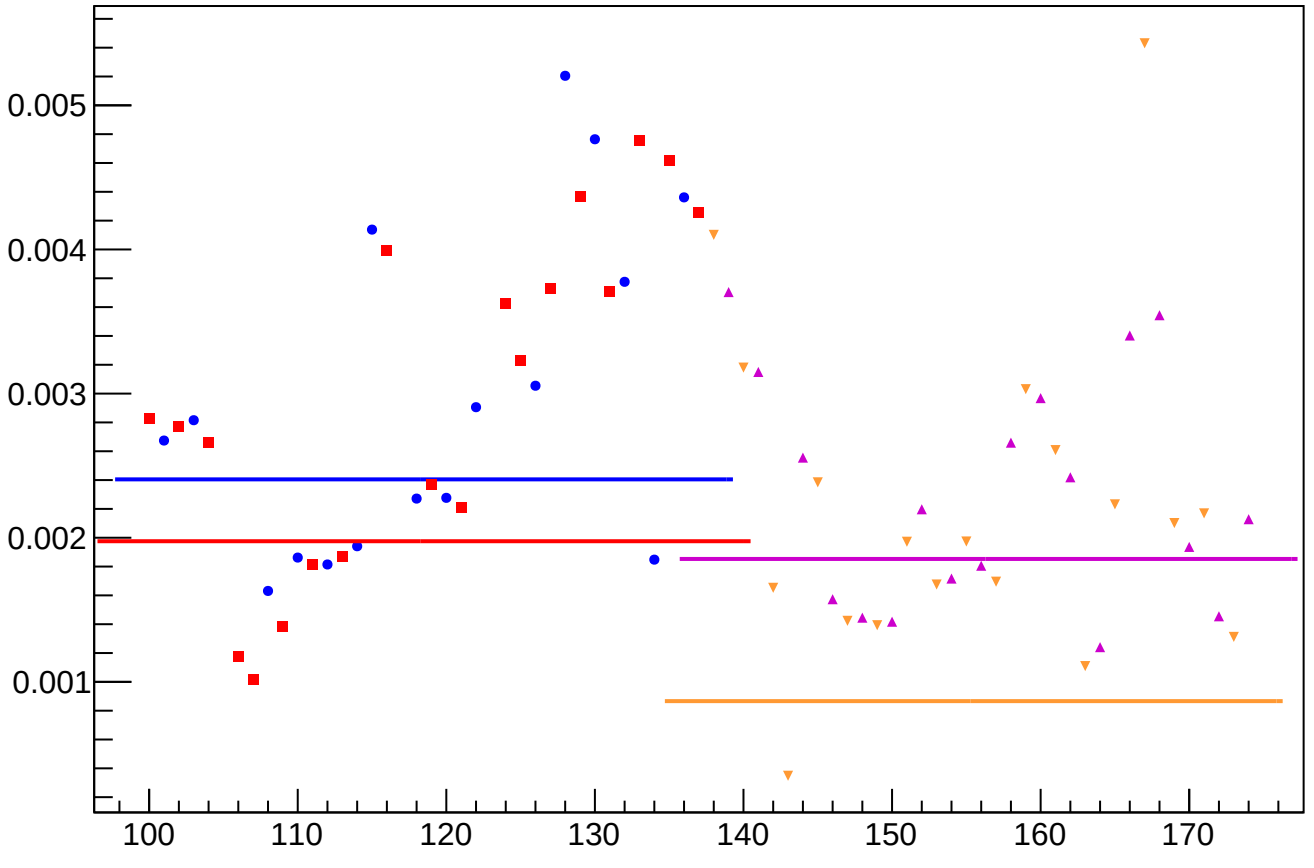
Right: 23.786+/-0.005 χ^2/NDF: 6134886.6/34

In: 34.292+/-0.006 χ^2/NDF:6355725.6/33

Out: 31.537+/-0.005 χ^2/NDF:8855006.3/37

All: 32.821+/-0.004 χ^2/NDF: 15331164.9/71


asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻⁶
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 16.2/15
Left Out: -0.000+/-0.000 χ²/NDF:67.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 15.1/18
Left In: 0.000+/-0.000 χ²/NDF:20.3/17
Left: -0.000+/-0.000 χ²/NDF: 88.5/36
Right: 0.000+/-0.000 χ²/NDF: 31.8/34
In: 0.000+/-0.000 χ²/NDF:37.3/33
Out: -0.000+/-0.000 χ²/NDF:83.1/37
All: -0.000+/-0.000 χ²/NDF: 121.5/71



Right In: 0.002+/-0.000 χ^2/NDF: 1571983.6/15

Left Out: 0.001+/-0.000 χ^2/NDF:12970007.5/18

Right Out: 0.002+/-0.000 χ^2/NDF: 2775363.3/18

Left In: 0.002+/-0.000 χ^2/NDF:2650329.3/17

Left: 0.001+/-0.000 χ^2/NDF: 21004994.8/36

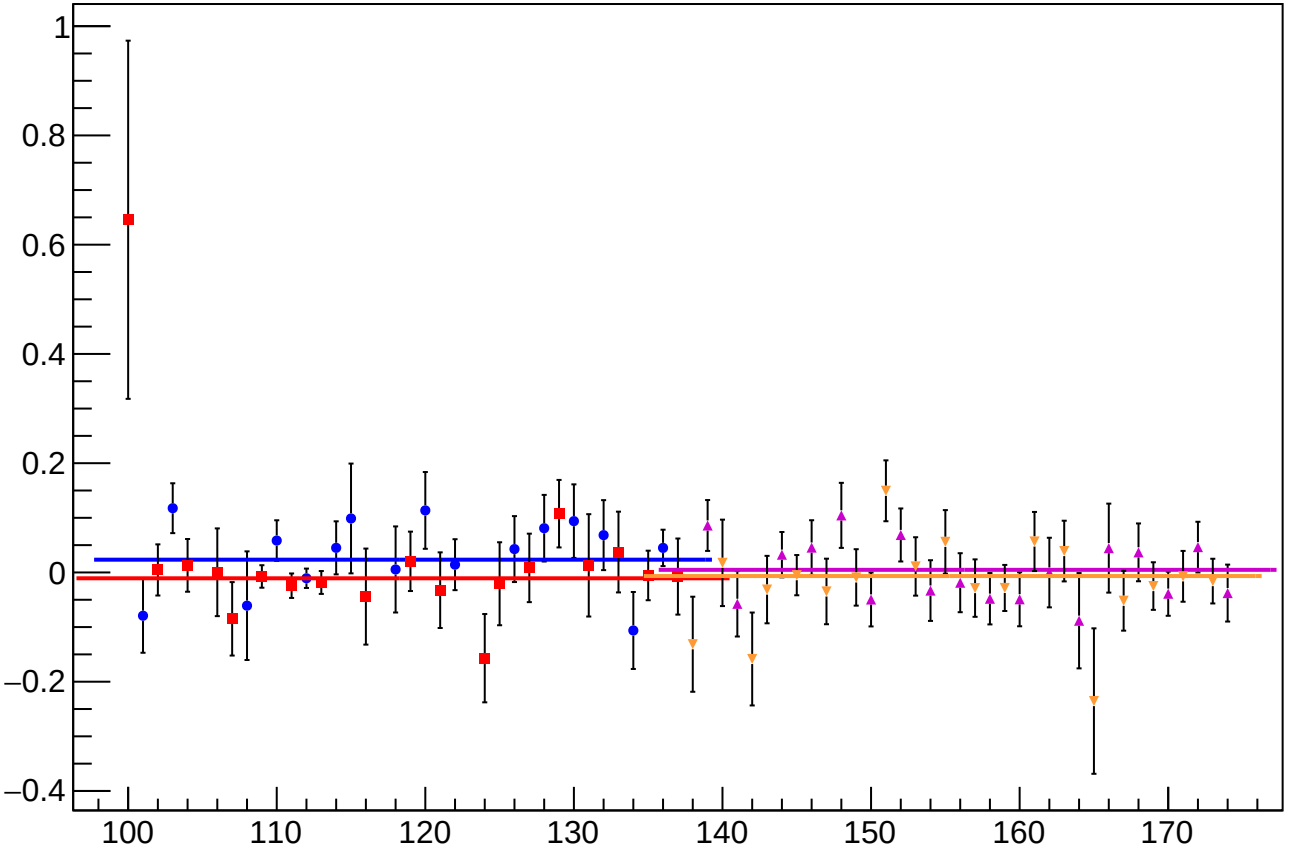
Right: 0.002+/-0.000 χ^2/NDF: 4581712.7/34

In: 0.002+/-0.000 χ^2/NDF:4739538.9/33

Out: 0.001+/-0.000 χ^2/NDF:19008845.1/37

All: 0.001+/-0.000 χ^2/NDF: 30307530.3/71

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: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

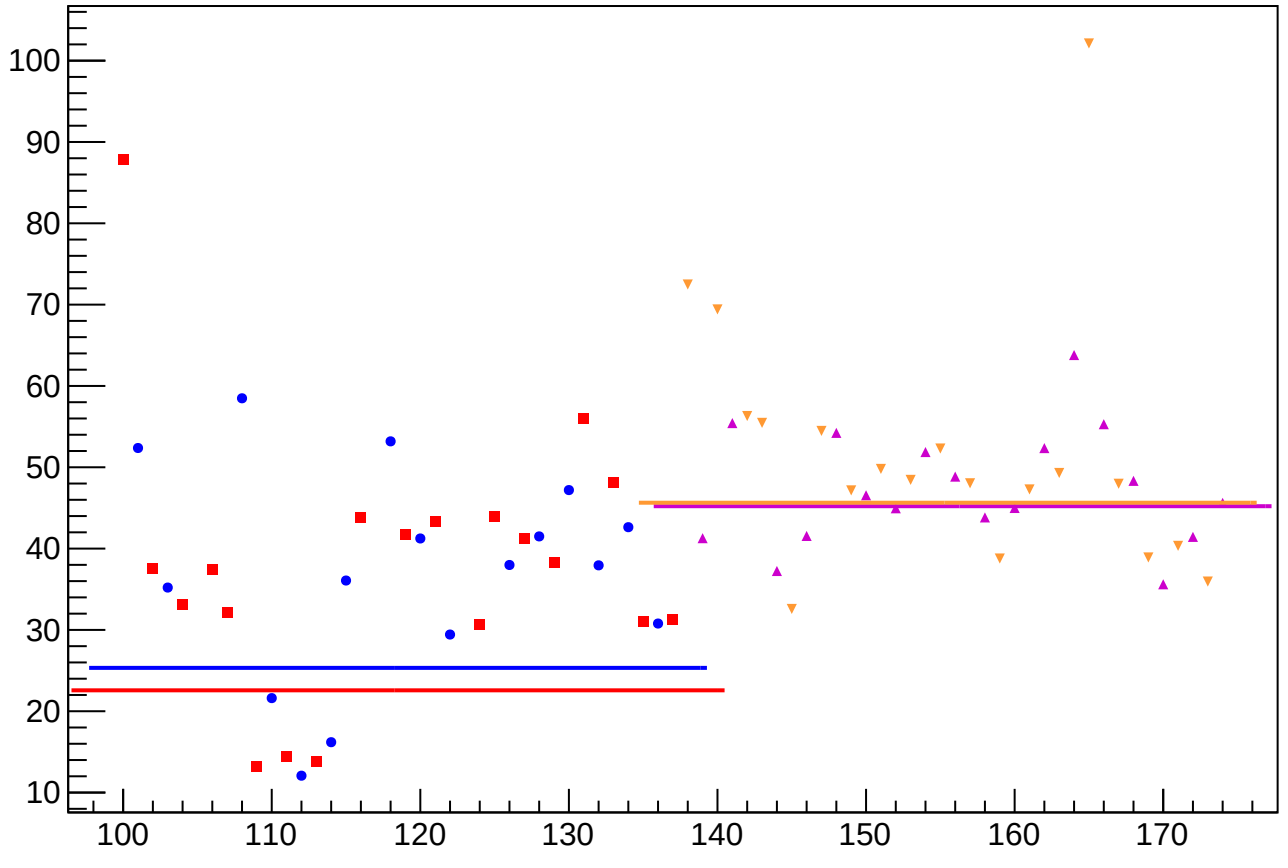
Left: -0.001+/-0.009 χ^2/NDF: 40.1/36

Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:35.5/37

All: 0.002+/-0.006 χ^2/NDF: 80.6/71



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409416.0/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

Left: 45.426+/-0.006 χ^2/NDF: 1934212.0/36

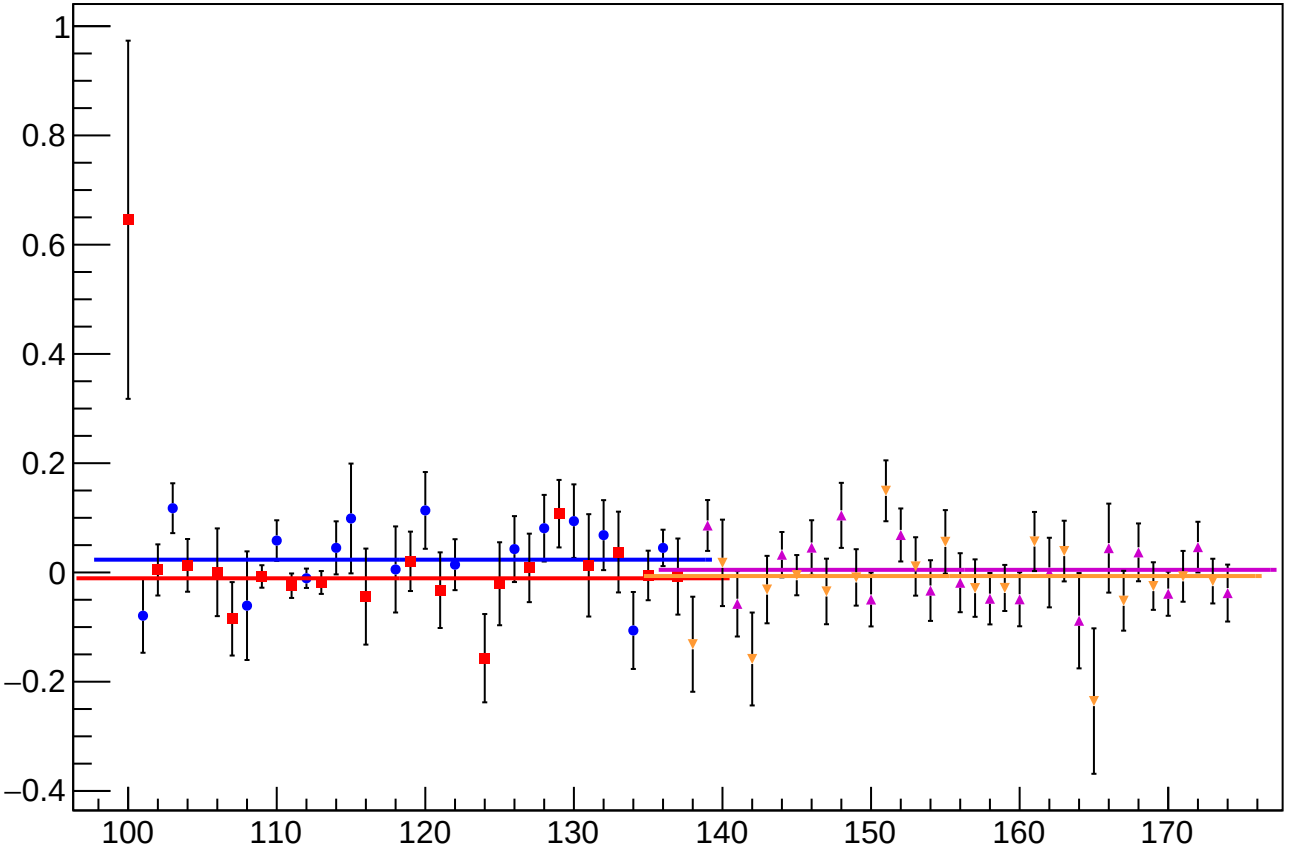
Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.291+/-0.006 χ^2/NDF:6356677.9/33

Out: 31.537+/-0.005 χ^2/NDF:8855353.1/37

All: 32.820+/-0.004 χ^2/NDF: 15332402.8/71

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.011 χ^2/NDF: 20.7/15

Left Out: -0.007+/-0.012 χ^2/NDF:21.2/18

Right Out: -0.011+/-0.010 χ^2/NDF: 14.2/18

Left In: 0.005+/-0.012 χ^2/NDF:18.5/17

Left: -0.001+/-0.009 χ^2/NDF: 40.1/36

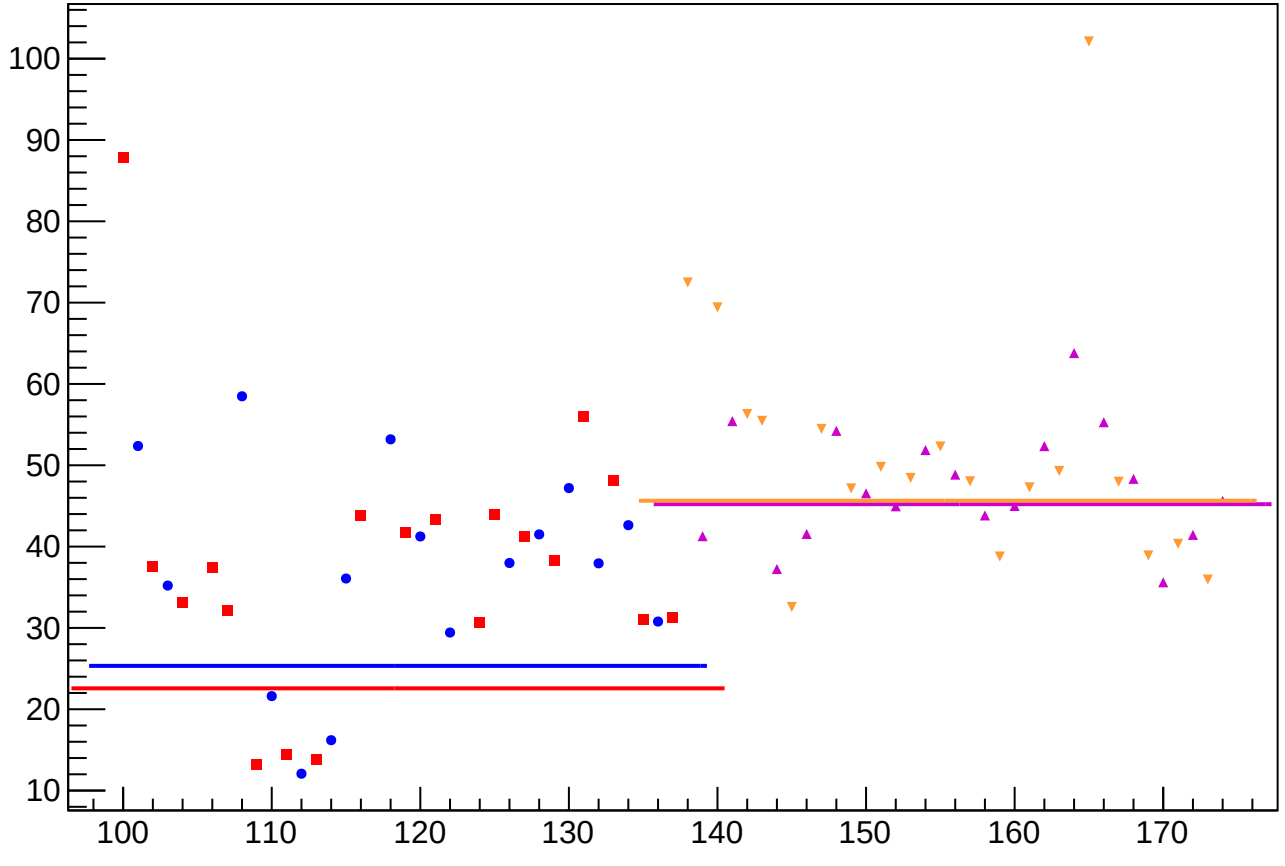
Right: 0.004+/-0.007 χ^2/NDF: 40.3/34

In: 0.015+/-0.008 χ^2/NDF:40.5/33

Out: -0.009+/-0.008 χ^2/NDF:35.5/37

All: 0.002+/-0.006 χ^2/NDF: 80.6/71

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.332+/-0.008 χ^2/NDF: 2925549.0/15

Left Out: 45.642+/-0.009 χ^2/NDF:1409416.0/18

Right Out: 22.571+/-0.007 χ^2/NDF: 3140082.3/18

Left In: 45.213+/-0.009 χ^2/NDF:523570.6/17

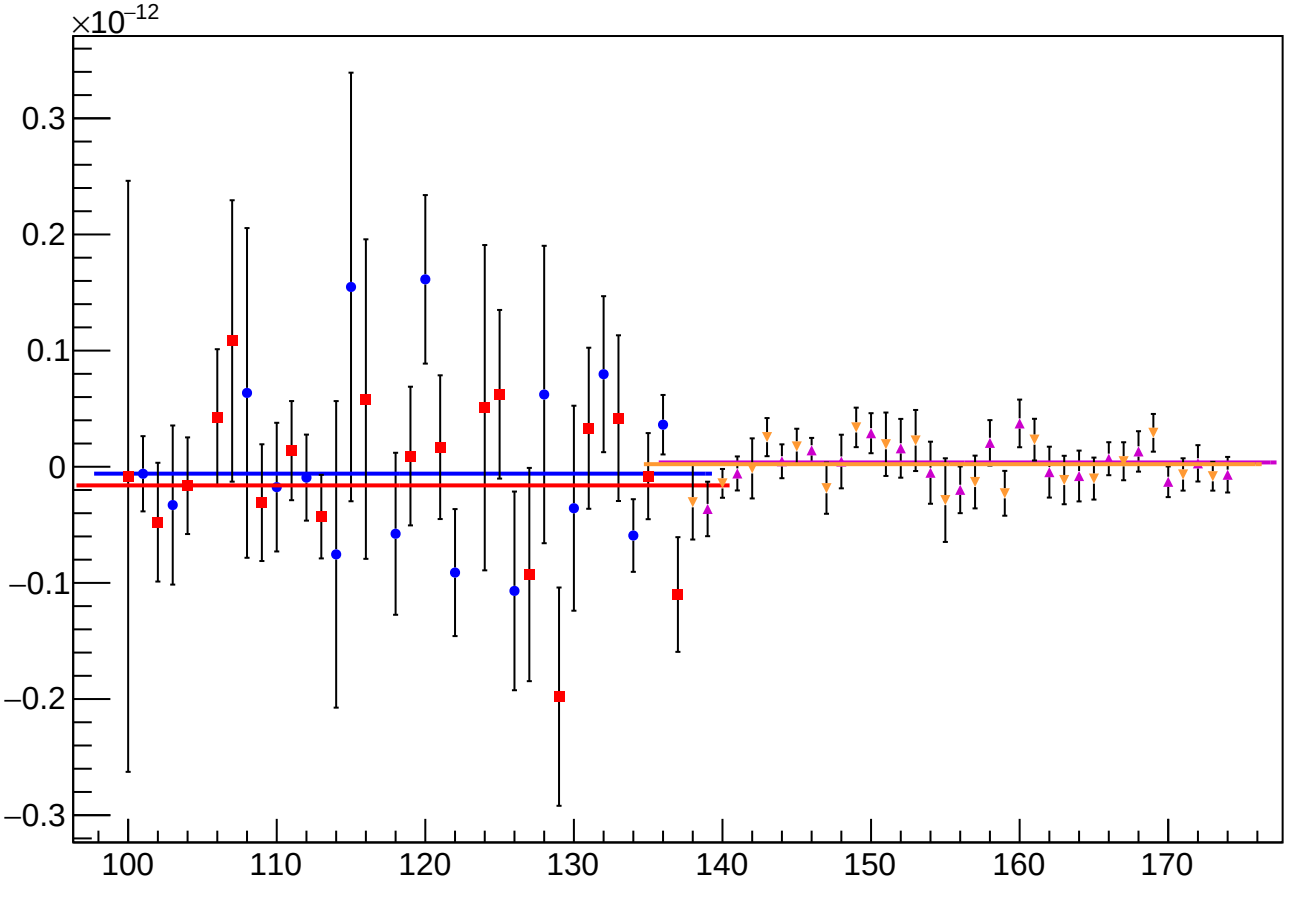
Left: 45.426+/-0.006 χ^2/NDF: 1934212.0/36

Right: 23.785+/-0.005 χ^2/NDF: 6135400.4/34

In: 34.291+/-0.006 χ^2/NDF:6356677.9/33

Out: 31.537+/-0.005 χ^2/NDF:8855353.1/37

All: 32.820+/-0.004 χ^2/NDF: 15332402.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:20.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.0/18

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

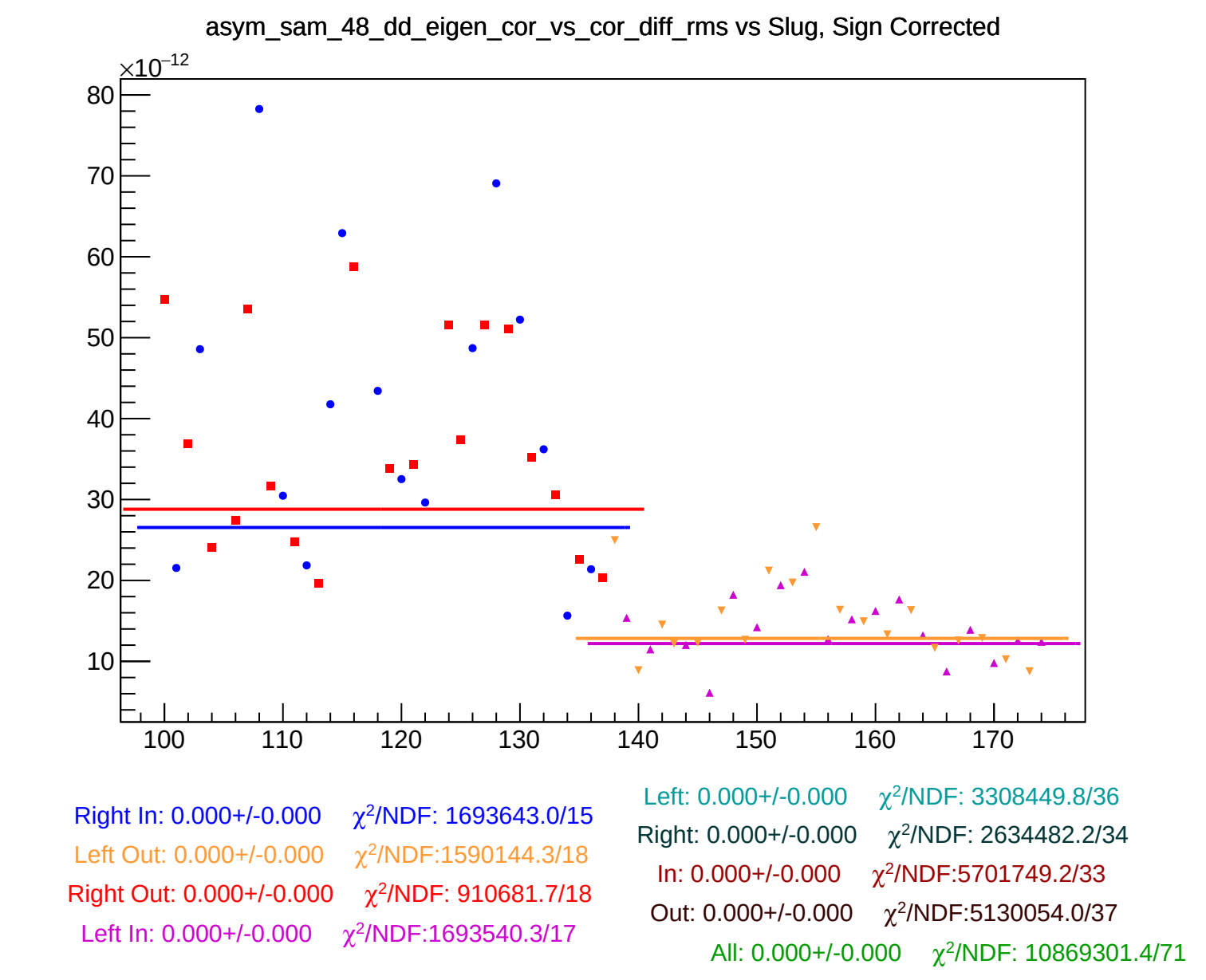
Left: 0.000+/-0.000 χ^2/NDF: 34.7/36

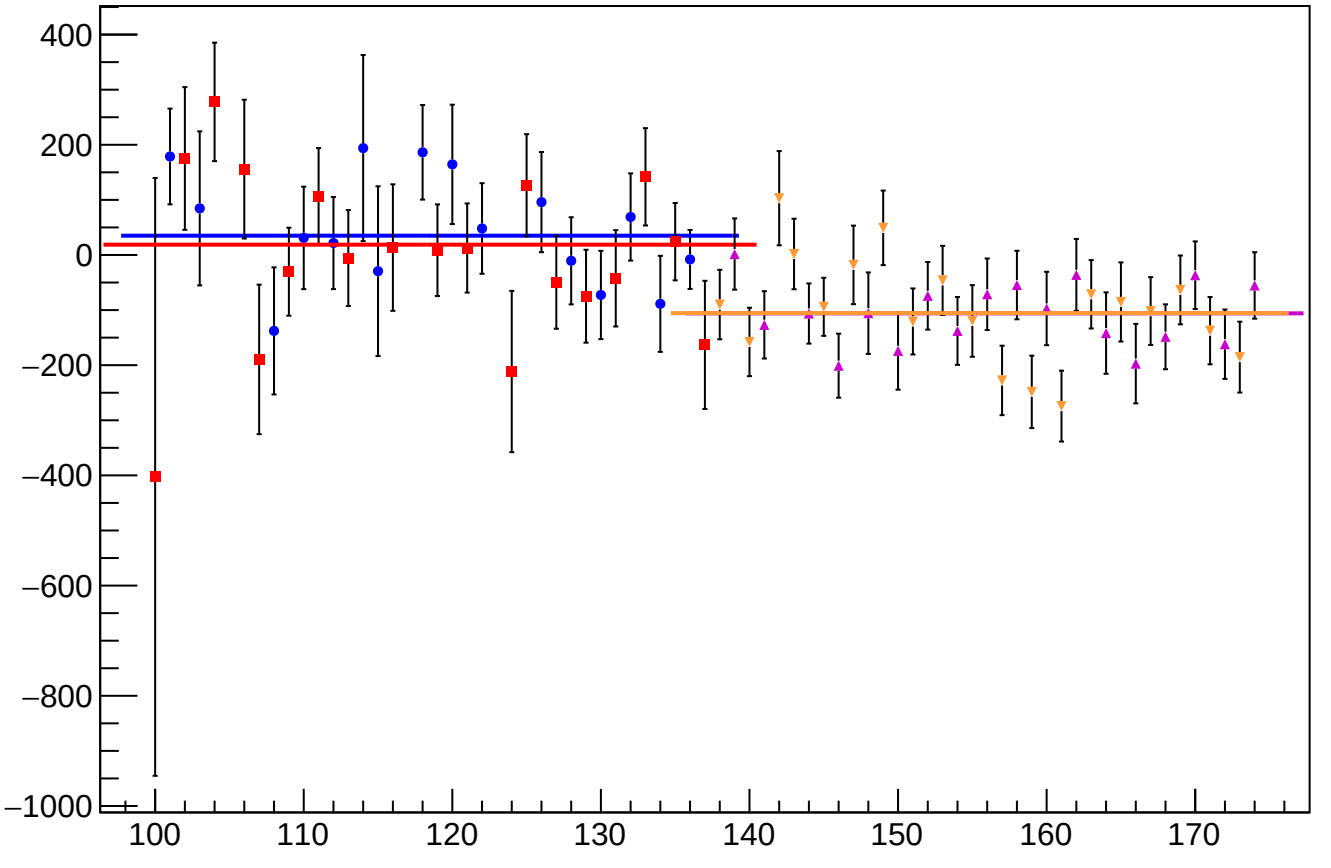
Right: -0.000+/-0.000 χ^2/NDF: 34.1/34

In: 0.000+/-0.000 χ^2/NDF:33.7/33

Out: 0.000+/-0.000 χ^2/NDF:37.0/37

All: 0.000+/-0.000 χ^2/NDF: 70.9/71


asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1693643.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1590144.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 910681.7/18
Left In: 0.000+/-0.000 χ²/NDF:1693540.3/17
Left: 0.000+/-0.000 χ²/NDF: 3308449.8/36
Right: 0.000+/-0.000 χ²/NDF: 2634482.2/34
In: 0.000+/-0.000 χ²/NDF:5701749.2/33
Out: 0.000+/-0.000 χ²/NDF:5130054.0/37
All: 0.000+/-0.000 χ²/NDF: 10869301.4/71



Right In: 35.018+/-22.134 χ^2/NDF: 16.2/15

Left Out: -105.547+/-14.671 χ^2/NDF:35.4/18

Right Out: 18.690+/-22.137 χ^2/NDF: 23.5/18

Left In: -105.926+/-14.964 χ^2/NDF:14.3/17

Left: -105.733+/-10.476 χ^2/NDF: 49.7/36

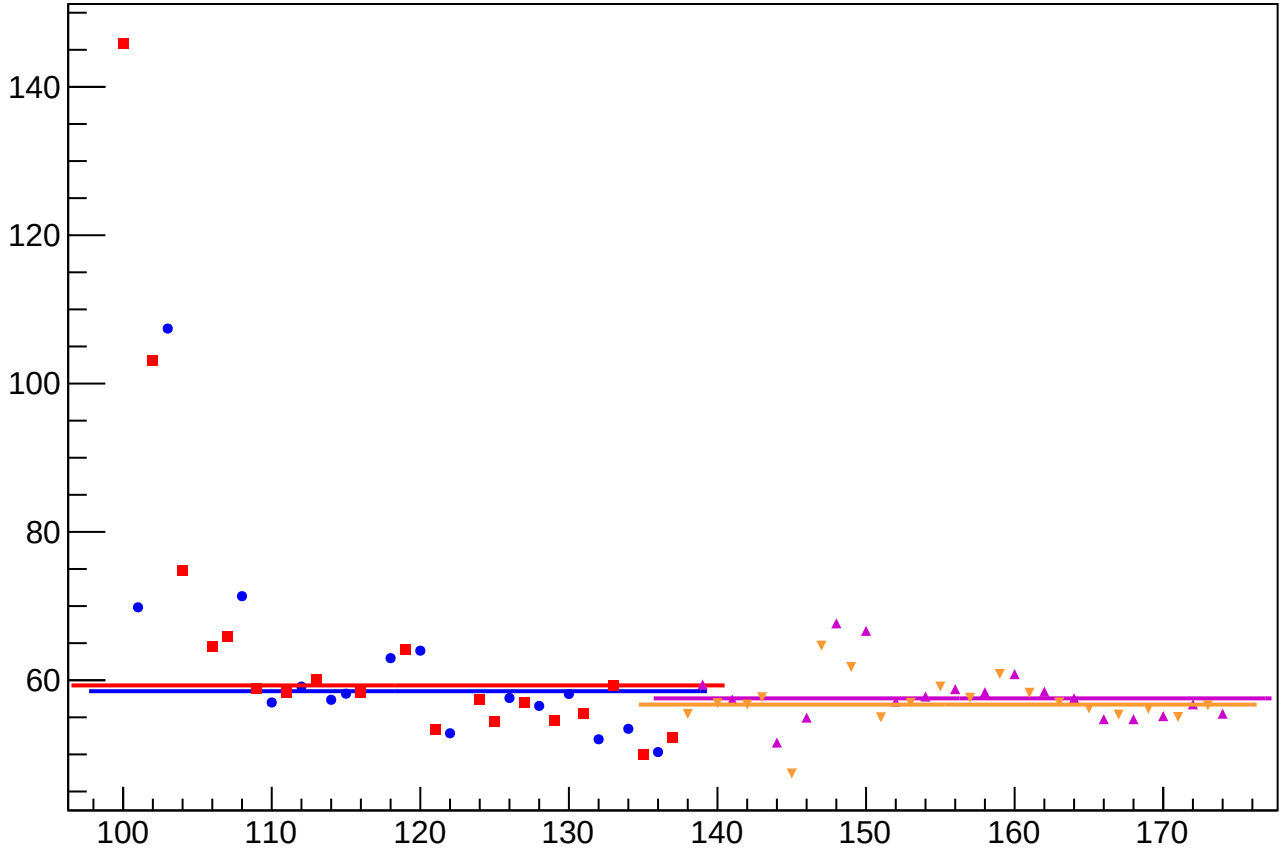
Right: 26.855+/-15.652 χ^2/NDF: 40.0/34

In: -61.717+/-12.397 χ^2/NDF:58.3/33

Out: -67.632+/-12.229 χ^2/NDF:80.8/37

All: -64.714+/-8.706 χ^2/NDF: 139.2/71

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: 56.720+/-0.010 χ^2/NDF:116308.3/18

Right Out: 59.301+/-0.016 χ^2/NDF: 406611.5/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

Left: 57.129+/-0.007 χ^2/NDF: 239544.6/36

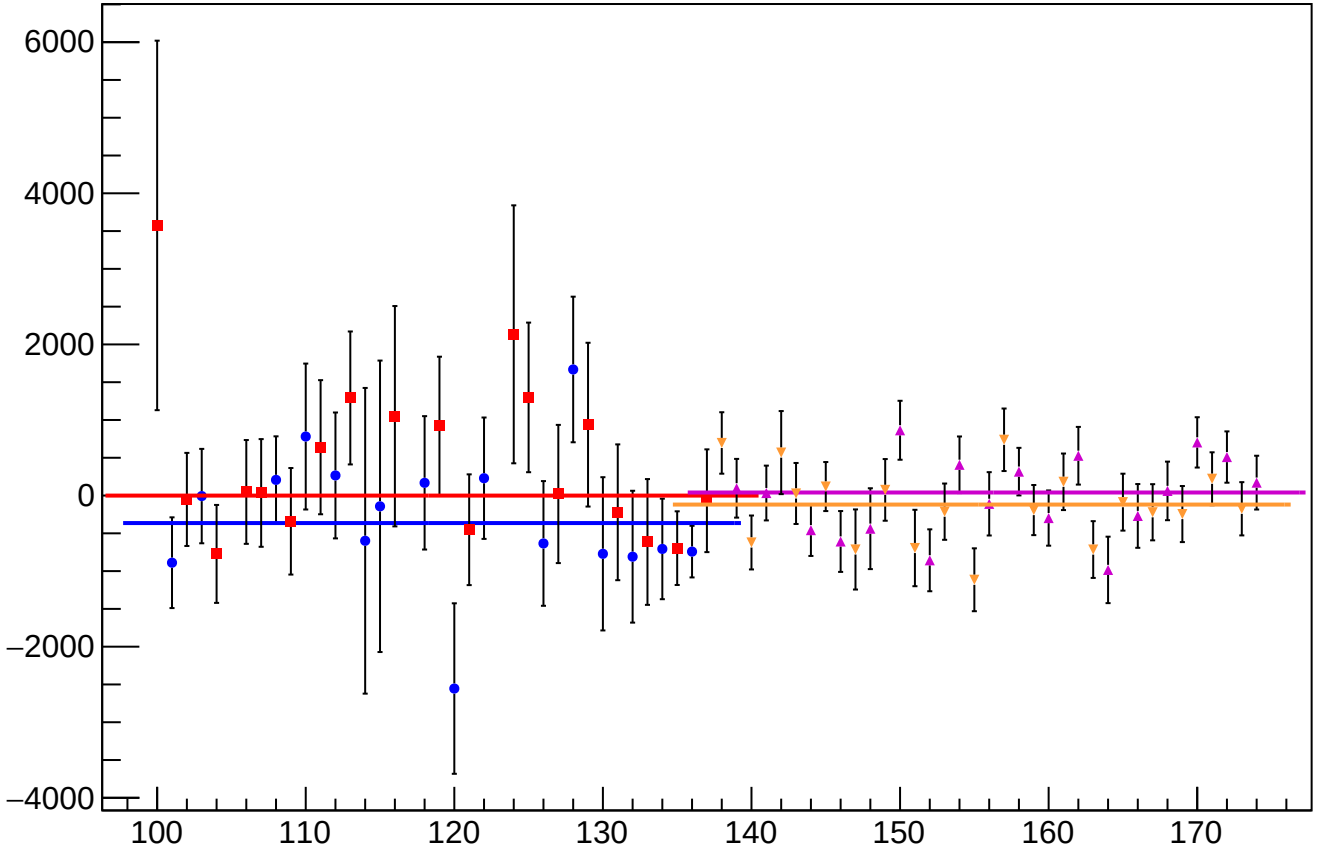
Right: 58.911+/-0.011 χ^2/NDF: 800594.3/34

In: 57.858+/-0.009 χ^2/NDF:515416.0/33

Out: 57.508+/-0.009 χ^2/NDF:541817.4/37

All: 57.681+/-0.006 χ^2/NDF: 1058045.2/71

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: -119.357+/-89.000 χ^2/NDF:25.5/18

Right Out: -0.570+/-183.085 χ^2/NDF: 15.1/18

Left In: 40.259+/-89.341 χ^2/NDF:31.1/17

Left: -39.854+/-63.053 χ^2/NDF: 58.2/36

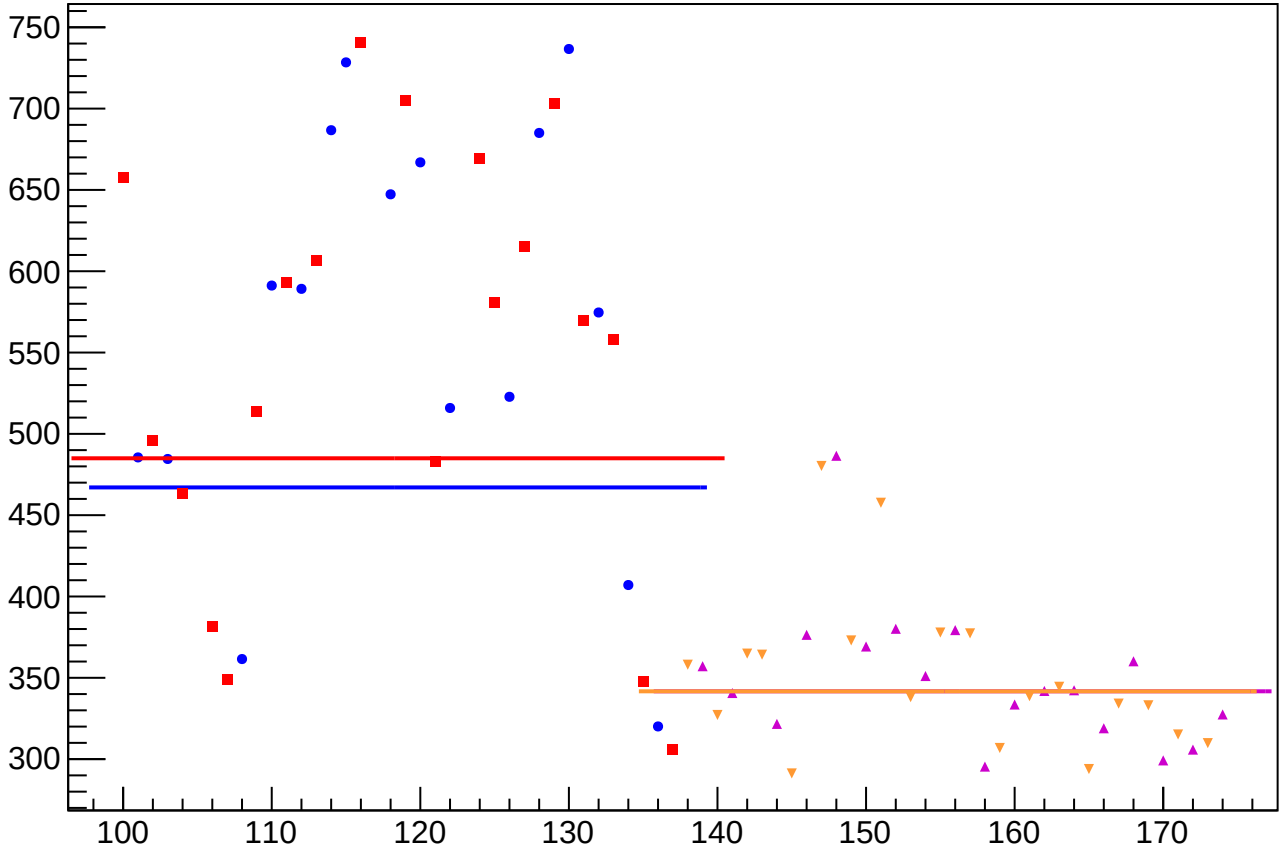
Right: -184.806+/-128.573 χ^2/NDF: 32.3/34

In: -39.235+/-80.079 χ^2/NDF:50.4/33

Out: -96.652+/-80.044 χ^2/NDF:40.9/37

All: -67.956+/-56.612 χ^2/NDF: 91.5/71

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 467.068+/-0.128 χ^2/NDF: 1030279.0/15

Left Out: 341.694+/-0.063 χ^2/NDF:432816.5/18

Right Out: 484.982+/-0.129 χ^2/NDF: 874102.2/18

Left In: 341.704+/-0.063 χ^2/NDF:329095.4/17

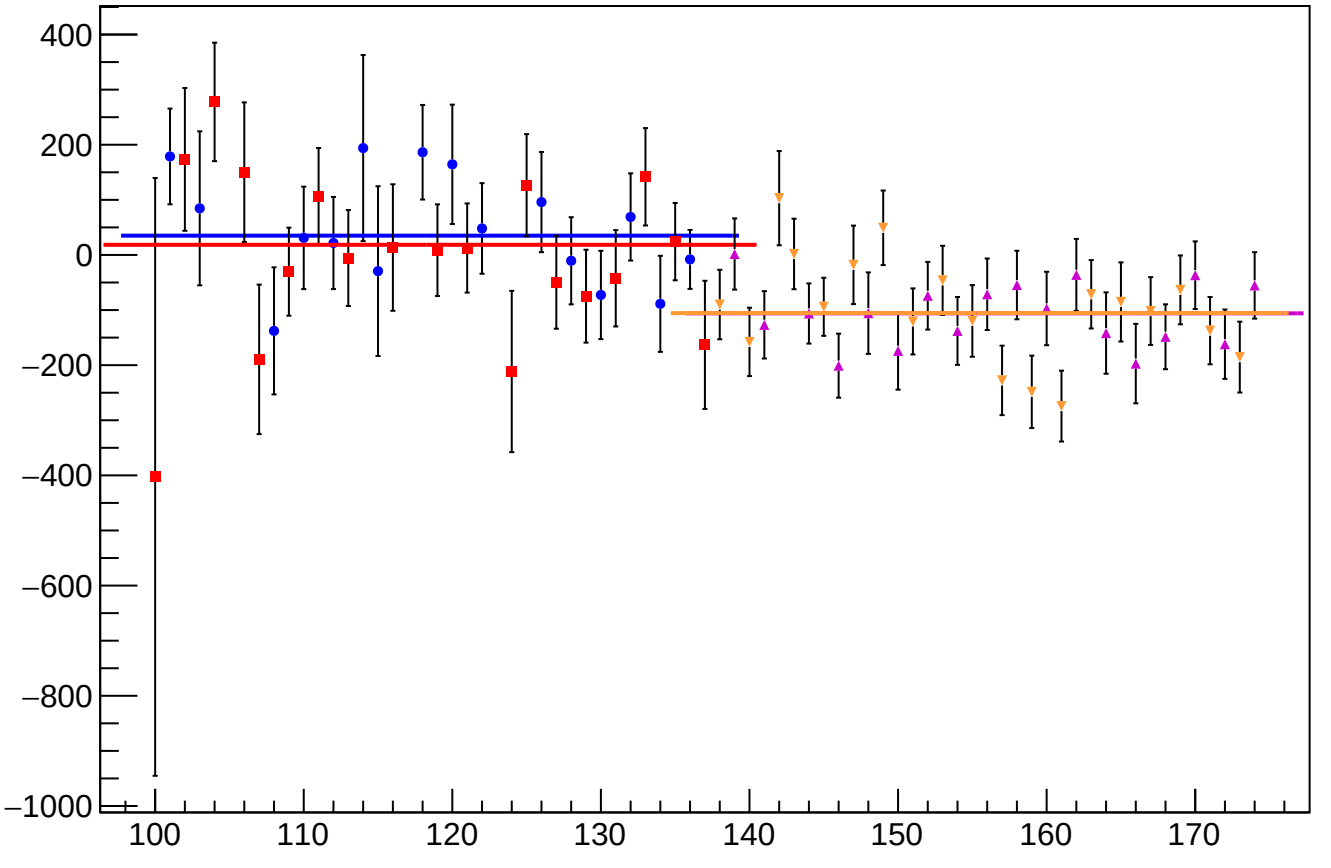
Left: 341.699+/-0.045 χ^2/NDF: 761911.9/36

Right: 475.902+/-0.091 χ^2/NDF: 1914085.4/34

In: 366.351+/-0.057 χ^2/NDF:2133597.4/33

Out: 369.082+/-0.057 χ^2/NDF:2297781.6/37

All: 367.717+/-0.040 χ^2/NDF: 4432542.4/71



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -105.545+/-14.671 χ^2/NDF:35.4/18

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.927+/-14.964 χ^2/NDF:14.3/17

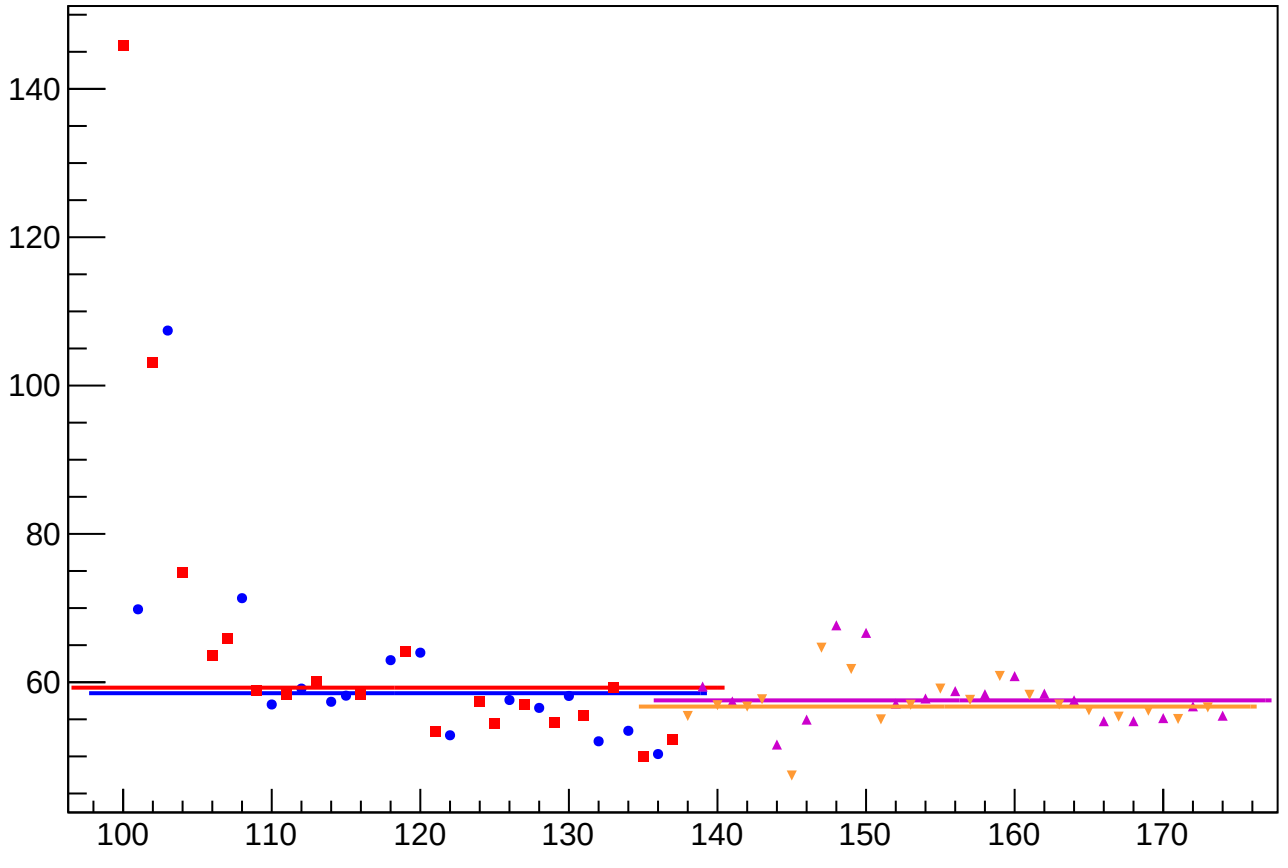
Left: -105.732+/-10.476 χ^2/NDF: 49.7/36

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.717+/-12.397 χ^2/NDF:58.3/33

Out: -67.724+/-12.230 χ^2/NDF:80.5/37

All: -64.761+/-8.706 χ^2/NDF: 138.9/71



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.720+/-0.010 χ^2/NDF:116308.3/18

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

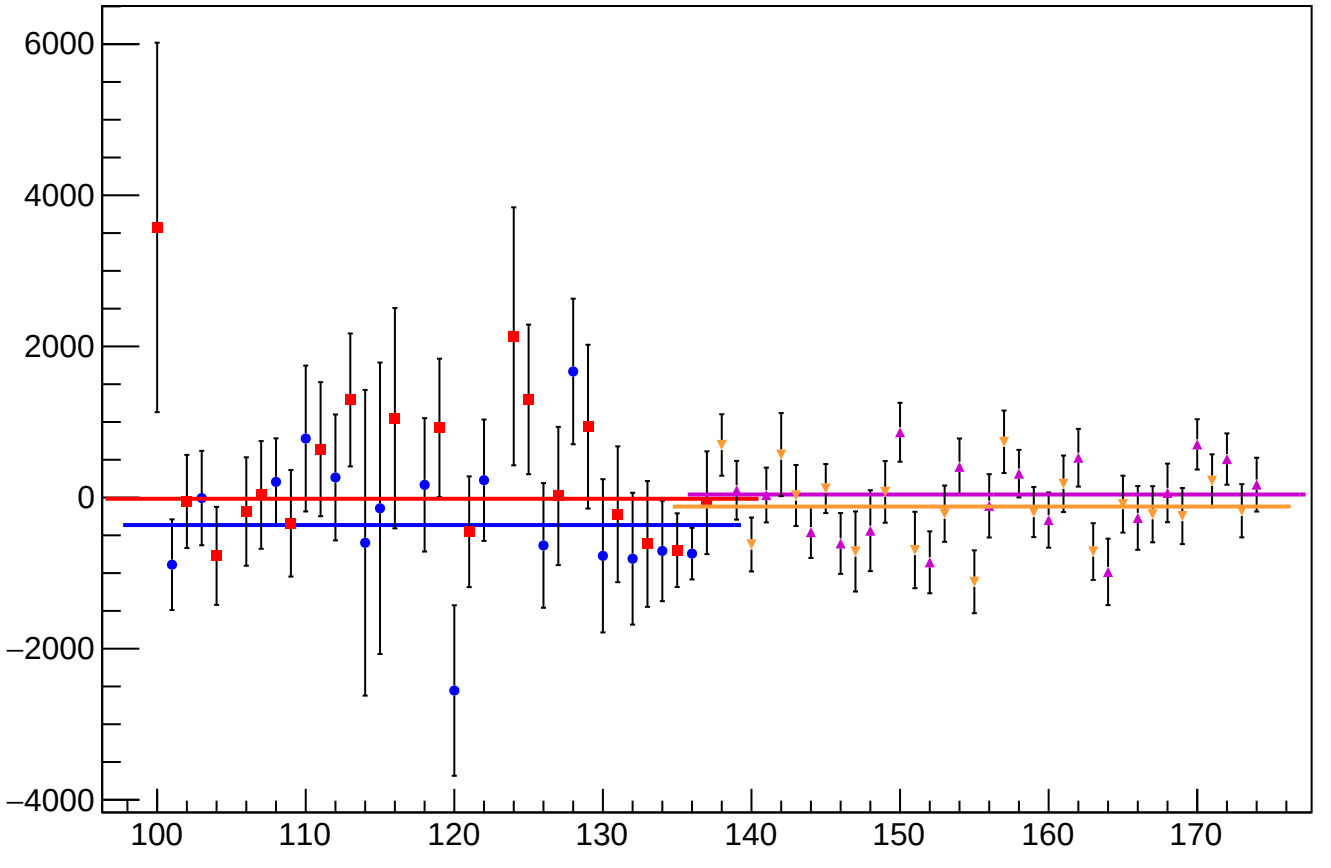
Left: 57.129+/-0.007 χ^2/NDF: 239544.6/36

Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.858+/-0.009 χ^2/NDF:515418.1/33

Out: 57.498+/-0.009 χ^2/NDF:540354.4/37

All: 57.676+/-0.006 χ^2/NDF: 1056630.7/71



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -119.358+/-89.000 χ^2/NDF:25.5/18

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 40.259+/-89.341 χ^2/NDF:31.1/17

Left: -39.855+/-63.053 χ^2/NDF: 58.2/36

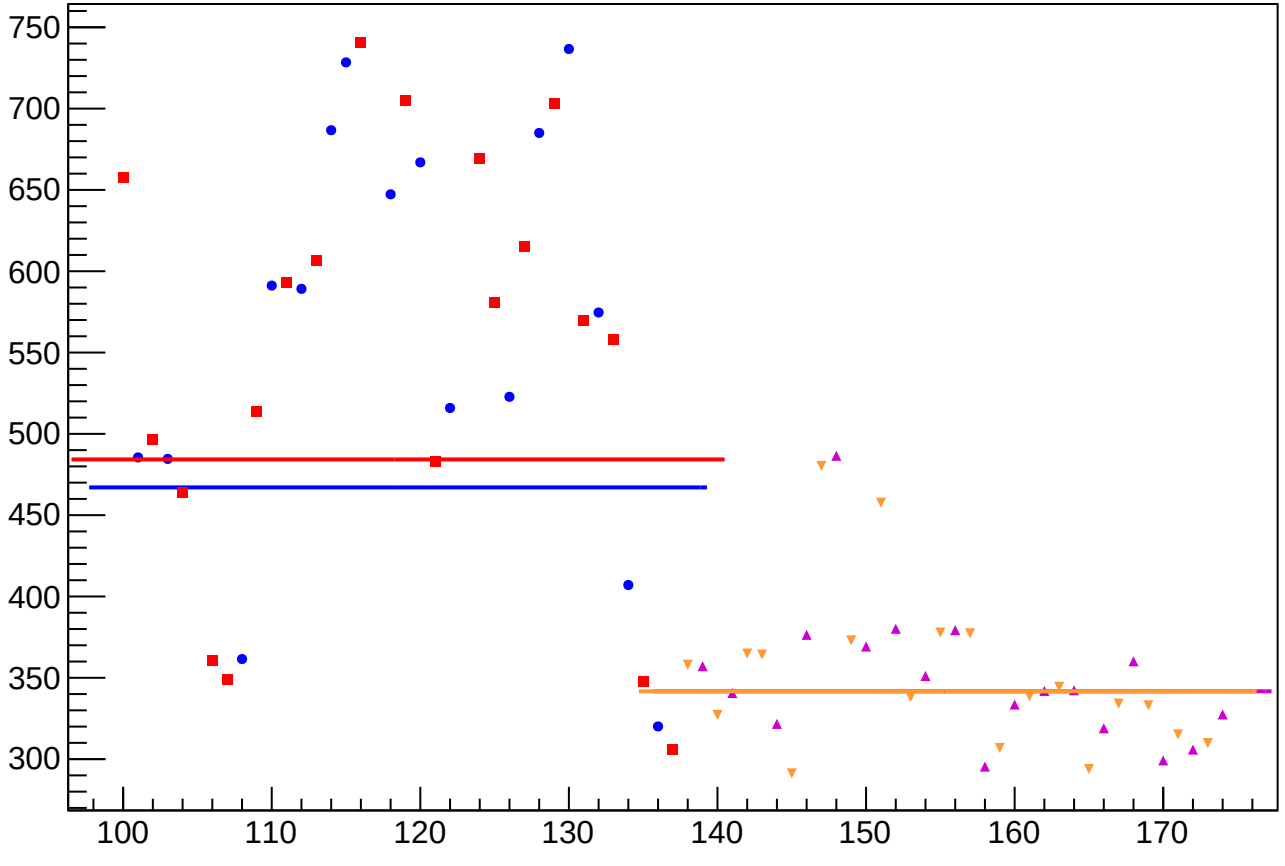
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -39.228+/-80.079 χ^2/NDF:50.4/33

Out: -99.717+/-80.091 χ^2/NDF:40.9/37

All: -69.468+/-56.629 χ^2/NDF: 91.5/71

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: 341.694+/-0.063 χ^2/NDF:432816.0/18

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

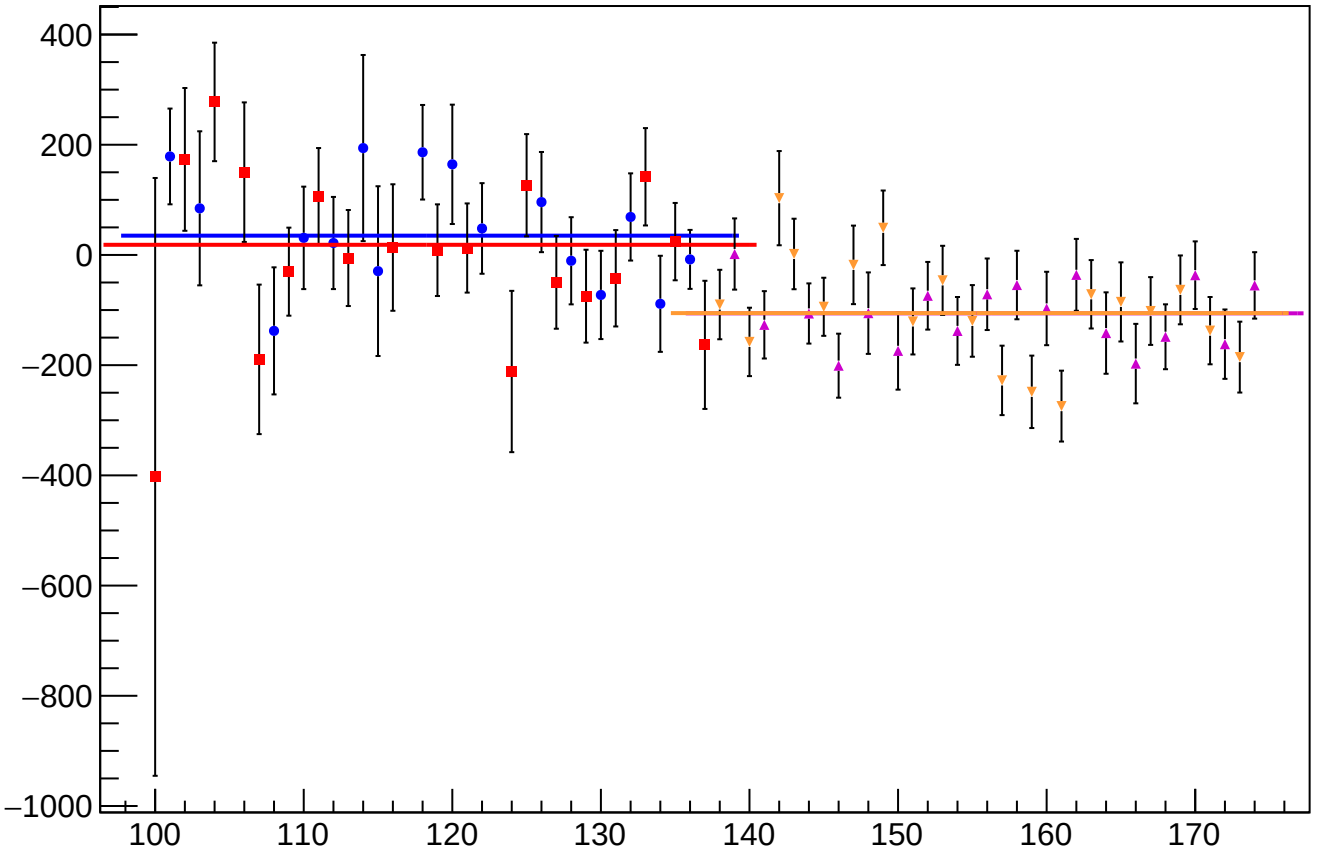
Left: 341.699+/-0.045 χ^2/NDF: 761913.4/36

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 366.352+/-0.057 χ^2/NDF:2133625.7/33

Out: 368.811+/-0.057 χ^2/NDF:2297824.3/37

All: 367.581+/-0.040 χ^2/NDF: 4432393.3/71



Right In: 35.017+/-22.134 χ^2/NDF: 16.2/15

Left Out: -105.545+/-14.671 χ^2/NDF:35.4/18

Right Out: 18.417+/-22.141 χ^2/NDF: 23.4/18

Left In: -105.927+/-14.964 χ^2/NDF:14.3/17

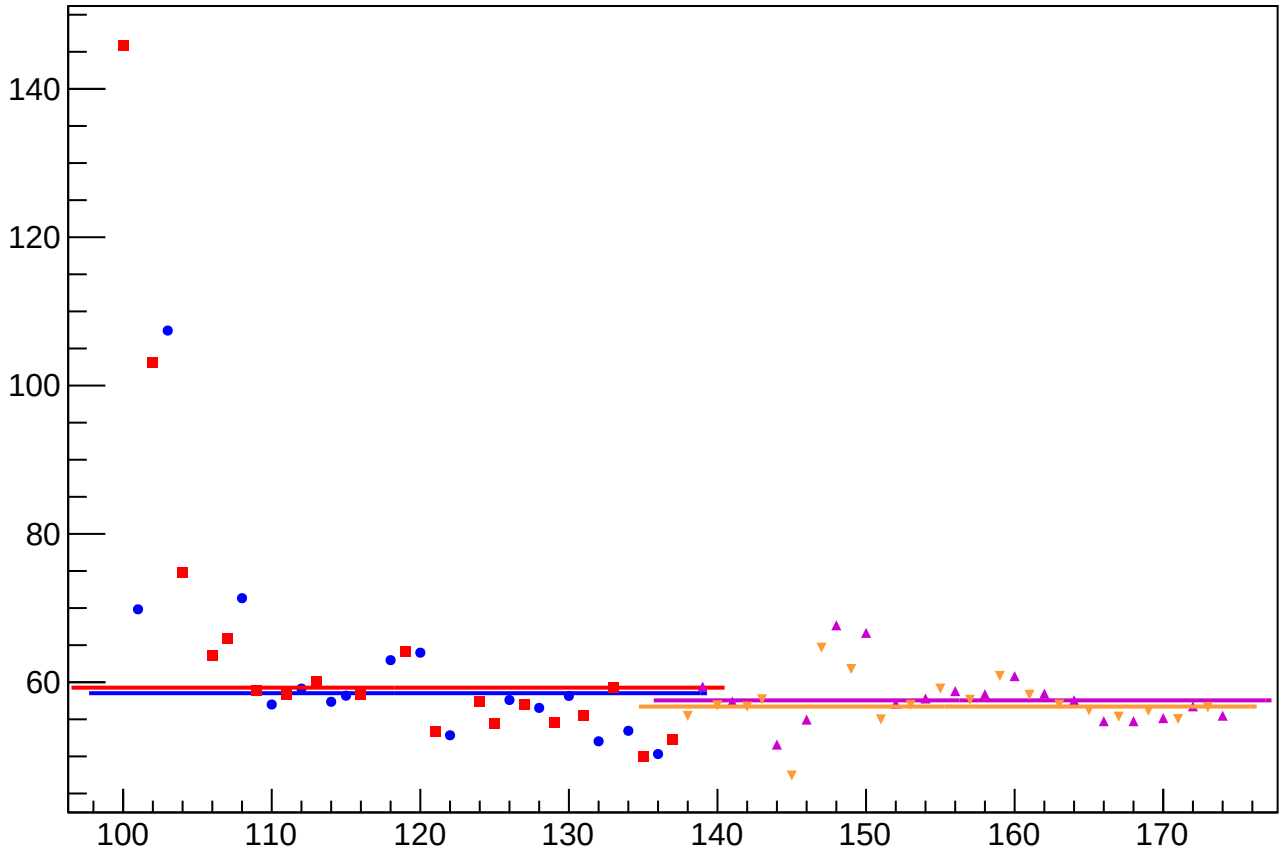
Left: -105.732+/-10.476 χ^2/NDF: 49.7/36

Right: 26.719+/-15.654 χ^2/NDF: 39.8/34

In: -61.717+/-12.397 χ^2/NDF:58.3/33

Out: -67.724+/-12.230 χ^2/NDF:80.5/37

All: -64.761+/-8.706 χ^2/NDF: 138.9/71



Right In: 58.522+/-0.016 χ^2/NDF: 392744.5/15

Left Out: 56.720+/-0.010 χ^2/NDF:116308.3/18

Right Out: 59.269+/-0.016 χ^2/NDF: 405616.3/18

Left In: 57.555+/-0.011 χ^2/NDF:120057.1/17

Left: 57.129+/-0.007 χ^2/NDF: 239544.6/36

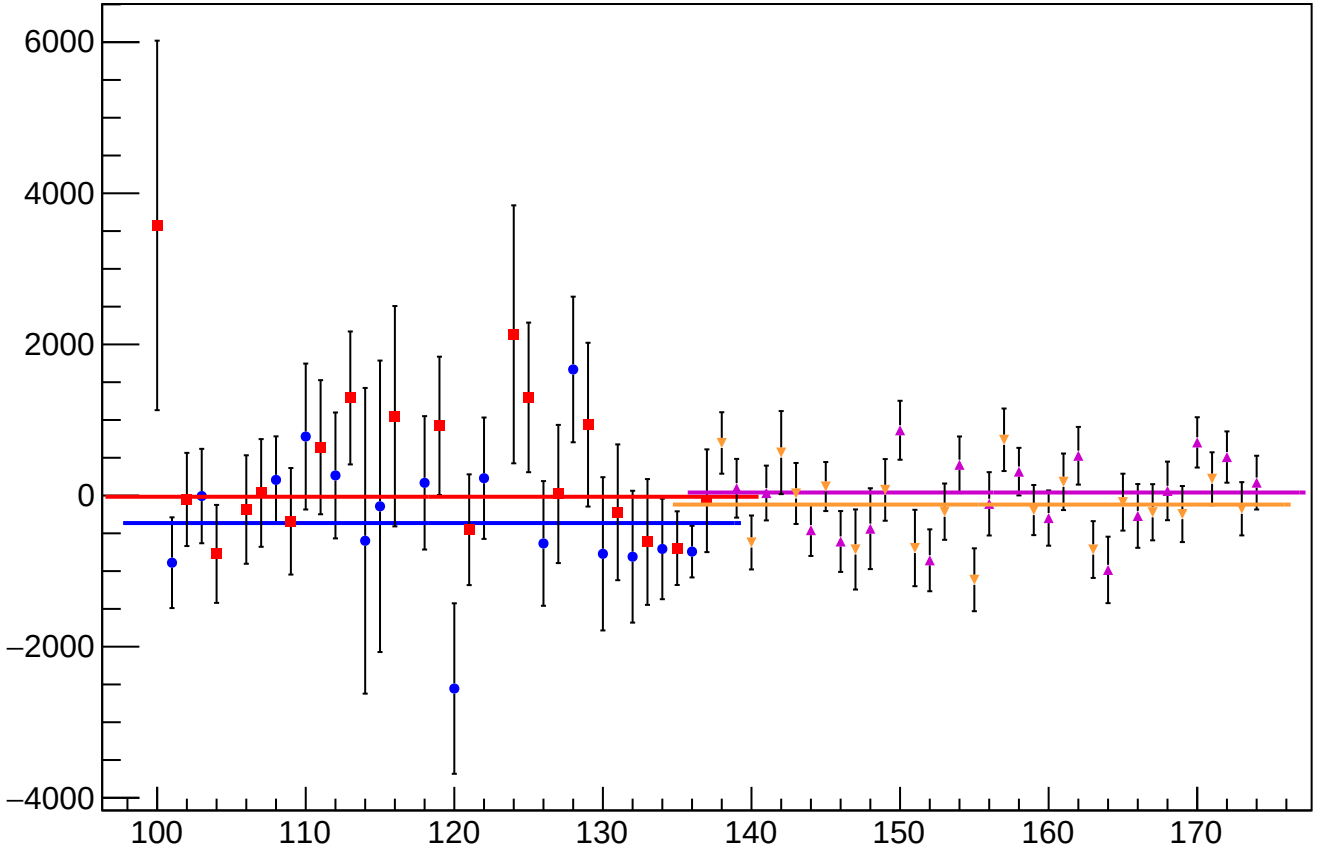
Right: 58.895+/-0.011 χ^2/NDF: 799501.8/34

In: 57.858+/-0.009 χ^2/NDF:515418.1/33

Out: 57.498+/-0.009 χ^2/NDF:540354.4/37

All: 57.676+/-0.006 χ^2/NDF: 1056630.7/71

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -364.040+/-180.602 χ^2/NDF: 15.2/15

Left Out: -119.358+/-89.000 χ^2/NDF:25.5/18

Right Out: -16.087+/-183.650 χ^2/NDF: 15.1/18

Left In: 40.259+/-89.341 χ^2/NDF:31.1/17

Left: -39.855+/-63.053 χ^2/NDF: 58.2/36

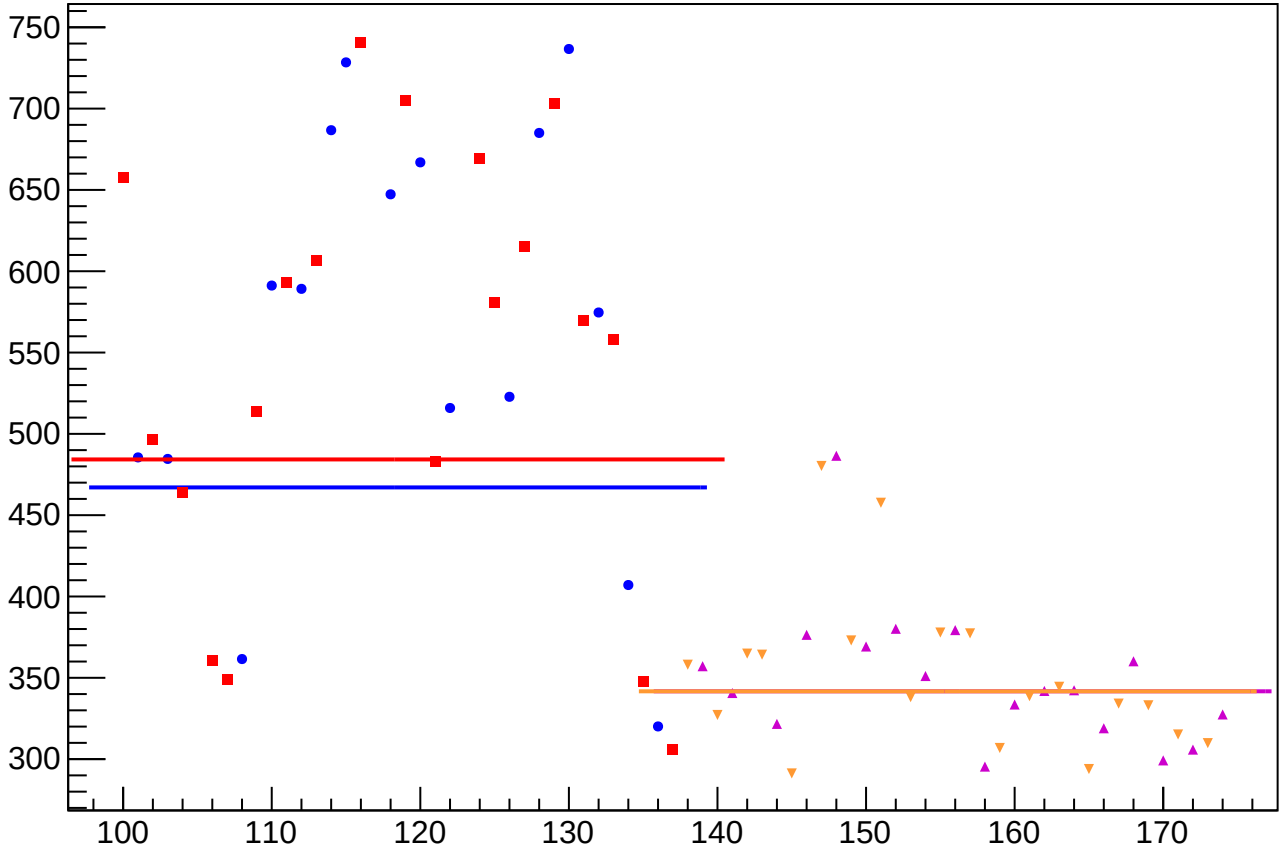
Right: -192.975+/-128.769 χ^2/NDF: 32.2/34

In: -39.228+/-80.079 χ^2/NDF:50.4/33

Out: -99.717+/-80.091 χ^2/NDF:40.9/37

All: -69.468+/-56.629 χ^2/NDF: 91.5/71

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 467.071+/-0.128 χ^2/NDF: 1030281.3/15

Left Out: 341.694+/-0.063 χ^2/NDF:432816.0/18

Right Out: 484.274+/-0.130 χ^2/NDF: 888797.2/18

Left In: 341.704+/-0.063 χ^2/NDF:329097.4/17

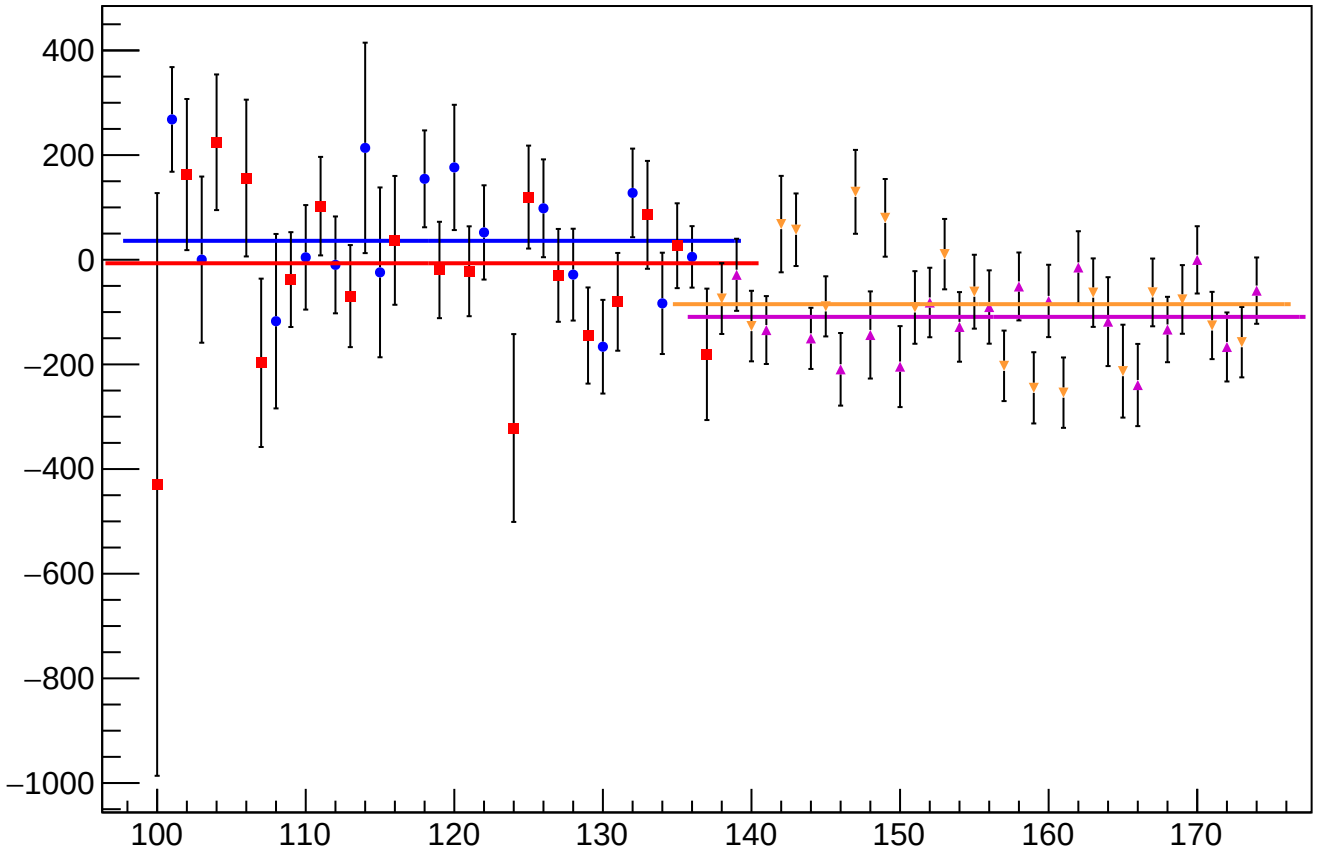
Left: 341.699+/-0.045 χ^2/NDF: 761913.4/36

Right: 475.528+/-0.091 χ^2/NDF: 1928000.1/34

In: 366.352+/-0.057 χ^2/NDF:2133625.7/33

Out: 368.811+/-0.057 χ^2/NDF:2297824.3/37

All: 367.581+/-0.040 χ^2/NDF: 4432393.3/71



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -84.909+/-15.841 χ^2/NDF:40.4/18

Right Out: -6.734+/-24.565 χ^2/NDF: 20.3/18

Left In: -109.187+/-16.119 χ^2/NDF:16.1/17

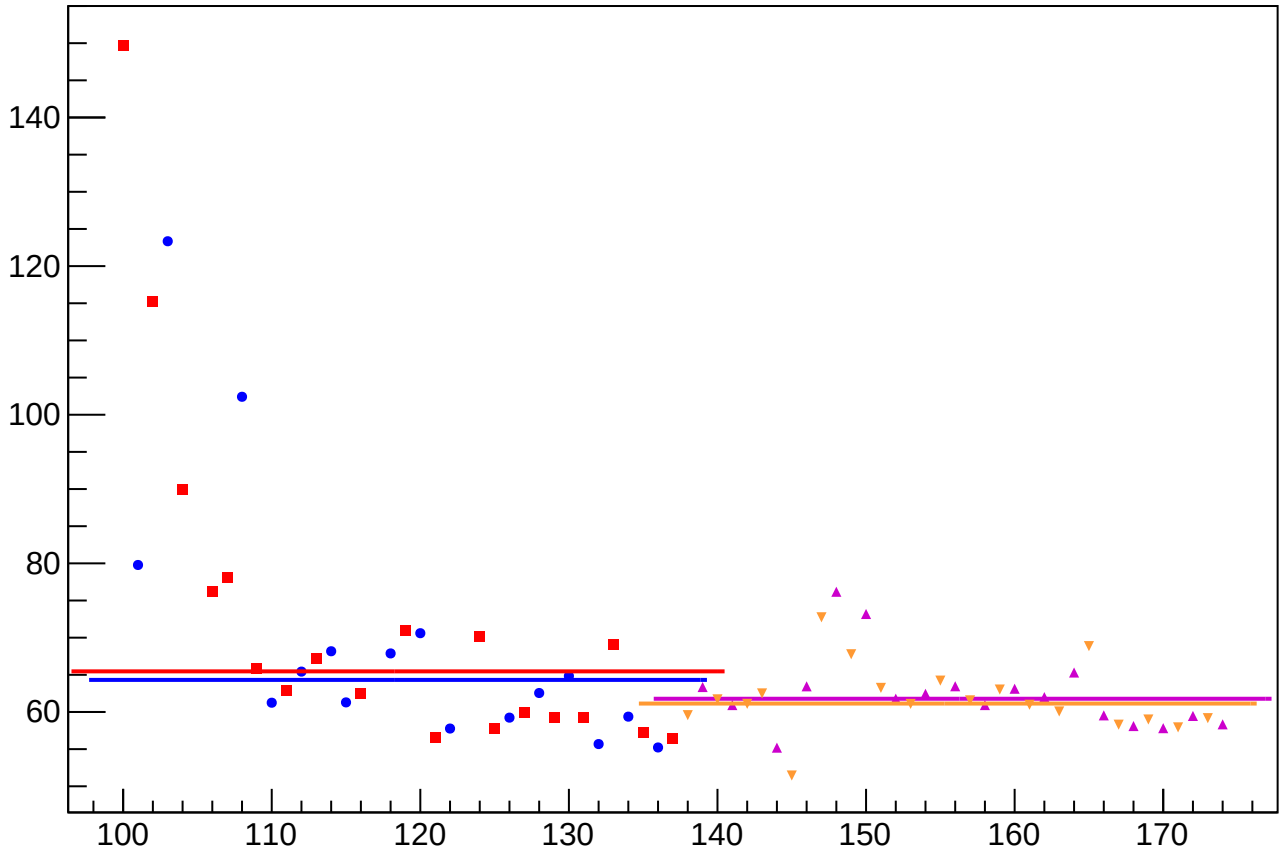
Left: -96.836+/-11.298 χ^2/NDF: 57.7/36

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -65.206+/-13.461 χ^2/NDF:60.4/33

Out: -61.949+/-13.313 χ^2/NDF:67.9/37

All: -63.560+/-9.466 χ^2/NDF: 128.3/71



Right In: 64.316+/-0.017 χ^2/NDF: 532065.0/15

Left Out: 61.133+/-0.011 χ^2/NDF:152346.1/18

Right Out: 65.466+/-0.017 χ^2/NDF: 482361.0/18

Left In: 61.780+/-0.011 χ^2/NDF:161551.3/17

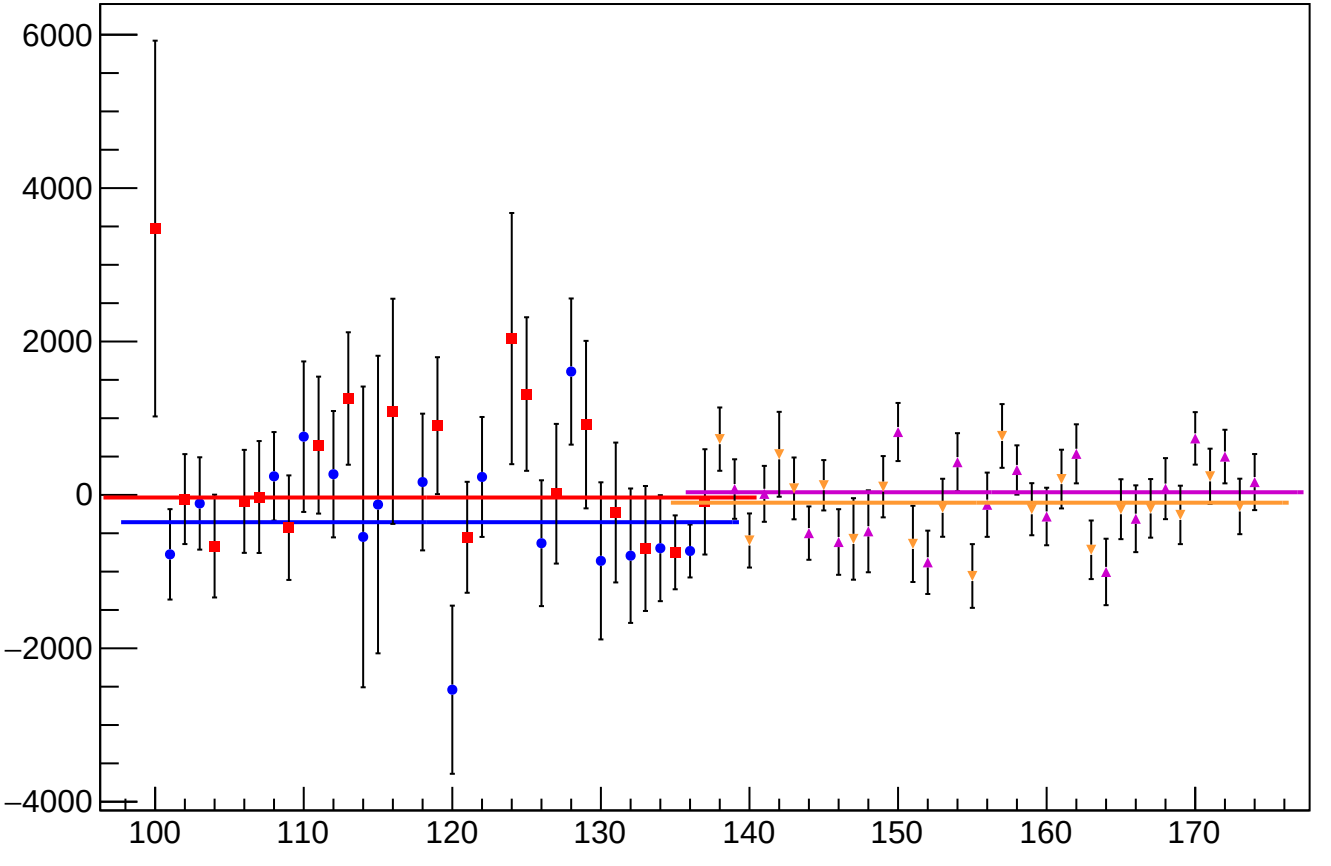
Left: 61.451+/-0.008 χ^2/NDF: 315535.8/36

Right: 64.889+/-0.012 χ^2/NDF: 1016625.1/34

In: 62.547+/-0.010 χ^2/NDF:708600.5/33

Out: 62.406+/-0.009 χ^2/NDF:678657.8/37

All: 62.476+/-0.007 χ^2/NDF: 1387370.4/71



Right In: -355.529+/-180.335 χ^2/NDF: 14.8/15

Left Out: -101.489+/-90.154 χ^2/NDF:24.4/18

Right Out: -33.786+/-181.561 χ^2/NDF: 15.4/18

Left In: 34.868+/-90.677 χ^2/NDF:31.7/17

Left: -33.705+/-63.933 χ^2/NDF: 57.3/36

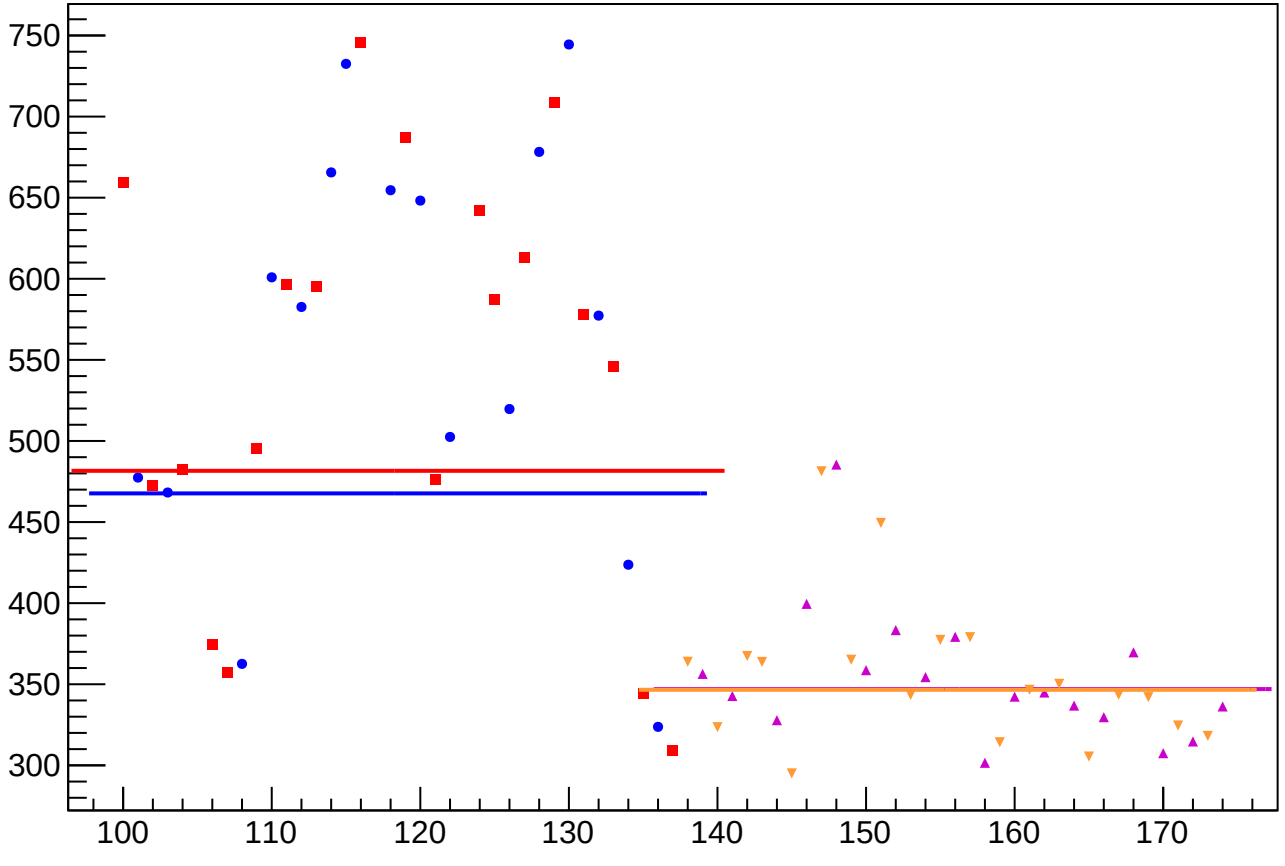
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -43.918+/-81.012 χ^2/NDF:50.3/33

Out: -88.098+/-80.747 χ^2/NDF:39.9/37

All: -66.080+/-57.190 χ^2/NDF: 90.3/71

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: 346.589+/-0.064 χ^2/NDF:370435.5/18

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.1/18

Left In: 347.034+/-0.064 χ^2/NDF:298605.6/17

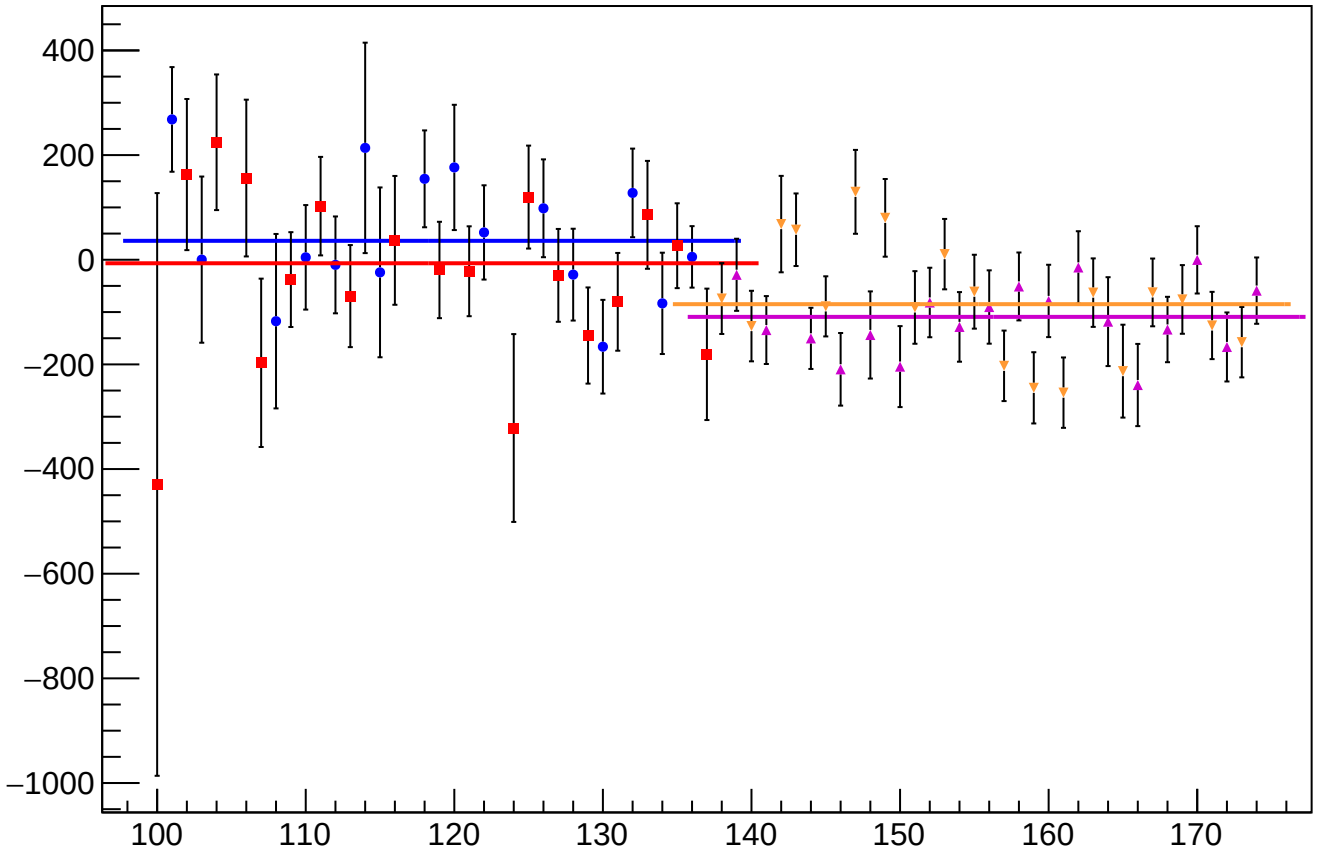
Left: 346.810+/-0.045 χ^2/NDF: 669065.4/36

Right: 474.590+/-0.090 χ^2/NDF: 1846147.0/34

In: 371.381+/-0.057 χ^2/NDF:1998981.0/33

Out: 373.293+/-0.057 χ^2/NDF:2111890.7/37

All: 372.340+/-0.040 χ^2/NDF: 4111430.6/71



Right In: 36.157+/-24.471 χ^2/NDF: 19.6/15

Left Out: -84.908+/-15.841 χ^2/NDF:40.4/18

Right Out: -6.735+/-24.565 χ^2/NDF: 20.3/18

Left In: -109.187+/-16.119 χ^2/NDF:16.1/17

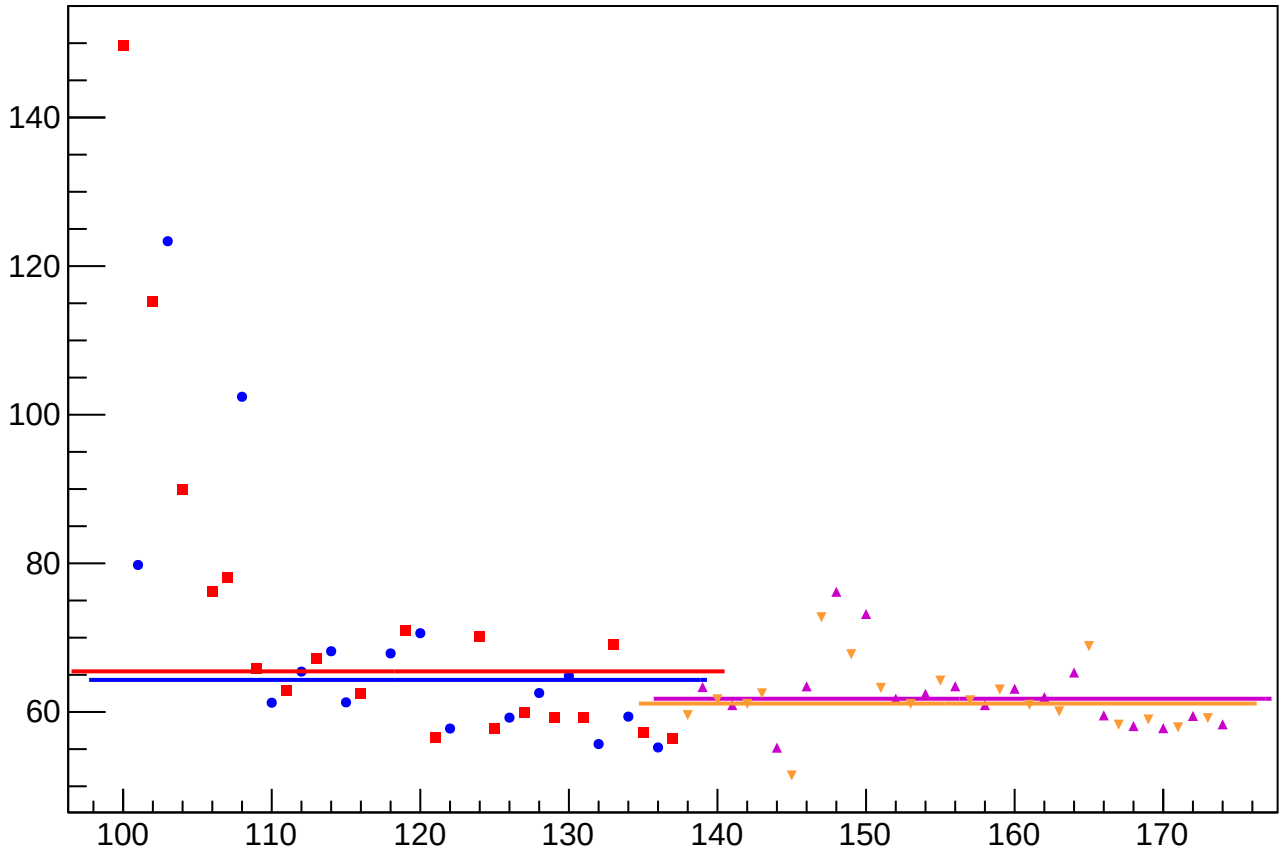
Left: -96.836+/-11.298 χ^2/NDF: 57.7/36

Right: 14.793+/-17.337 χ^2/NDF: 41.5/34

In: -65.206+/-13.461 χ^2/NDF:60.4/33

Out: -61.949+/-13.313 χ^2/NDF:67.9/37

All: -63.559+/-9.466 χ^2/NDF: 128.3/71



Right In: 64.316+/-0.017 χ^2/NDF: 532073.4/15

Left Out: 61.133+/-0.011 χ^2/NDF:152350.7/18

Right Out: 65.466+/-0.017 χ^2/NDF: 482367.1/18

Left In: 61.780+/-0.011 χ^2/NDF:161554.1/17

Left: 61.451+/-0.008 χ^2/NDF: 315543.2/36

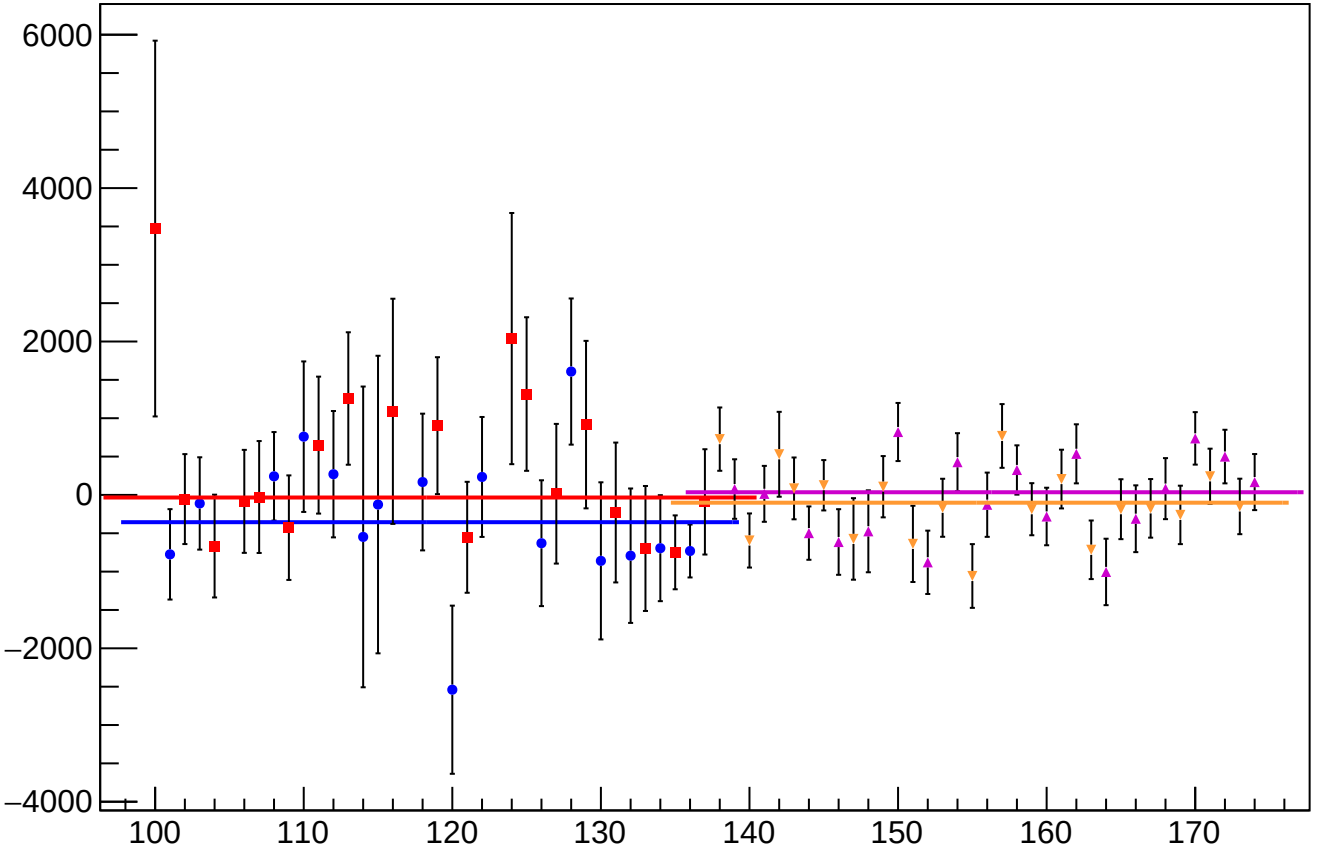
Right: 64.889+/-0.012 χ^2/NDF: 1016639.7/34

In: 62.547+/-0.010 χ^2/NDF:708609.9/33

Out: 62.406+/-0.009 χ^2/NDF:678665.6/37

All: 62.476+/-0.007 χ^2/NDF: 1387387.6/71

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -355.529+/-180.334 χ^2/NDF: 14.8/15

Left Out: -101.489+/-90.154 χ^2/NDF:24.4/18

Right Out: -33.787+/-181.560 χ^2/NDF: 15.4/18

Left In: 34.868+/-90.677 χ^2/NDF:31.7/17

Left: -33.705+/-63.933 χ^2/NDF: 57.3/36

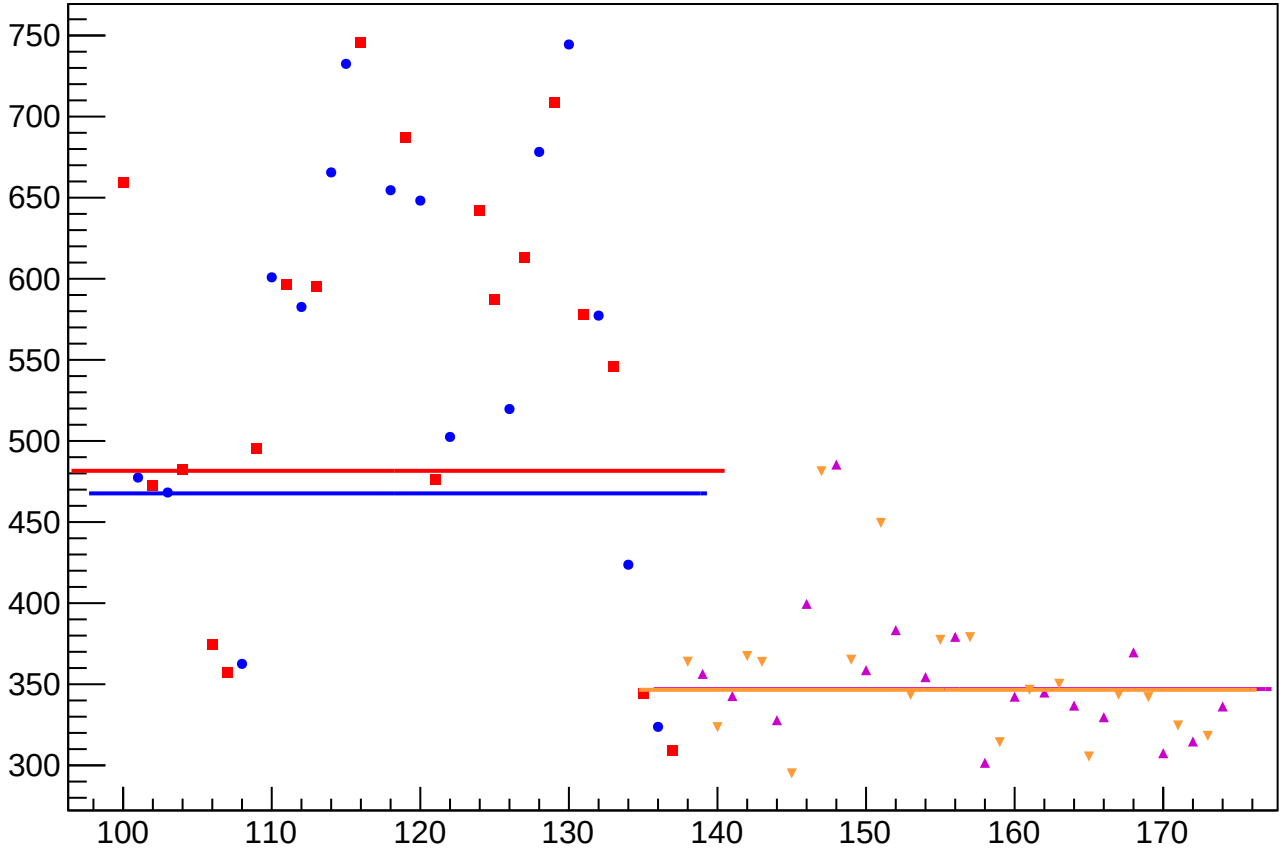
Right: -195.748+/-127.947 χ^2/NDF: 31.8/34

In: -43.918+/-81.012 χ^2/NDF:50.3/33

Out: -88.098+/-80.747 χ^2/NDF:39.9/37

All: -66.080+/-57.190 χ^2/NDF: 90.3/71

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.674+/-0.128 χ^2/NDF: 985945.4/15

Left Out: 346.589+/-0.064 χ^2/NDF:370434.5/18

Right Out: 481.599+/-0.128 χ^2/NDF: 854281.0/18

Left In: 347.035+/-0.064 χ^2/NDF:298606.0/17

Left: 346.810+/-0.045 χ^2/NDF: 669064.8/36

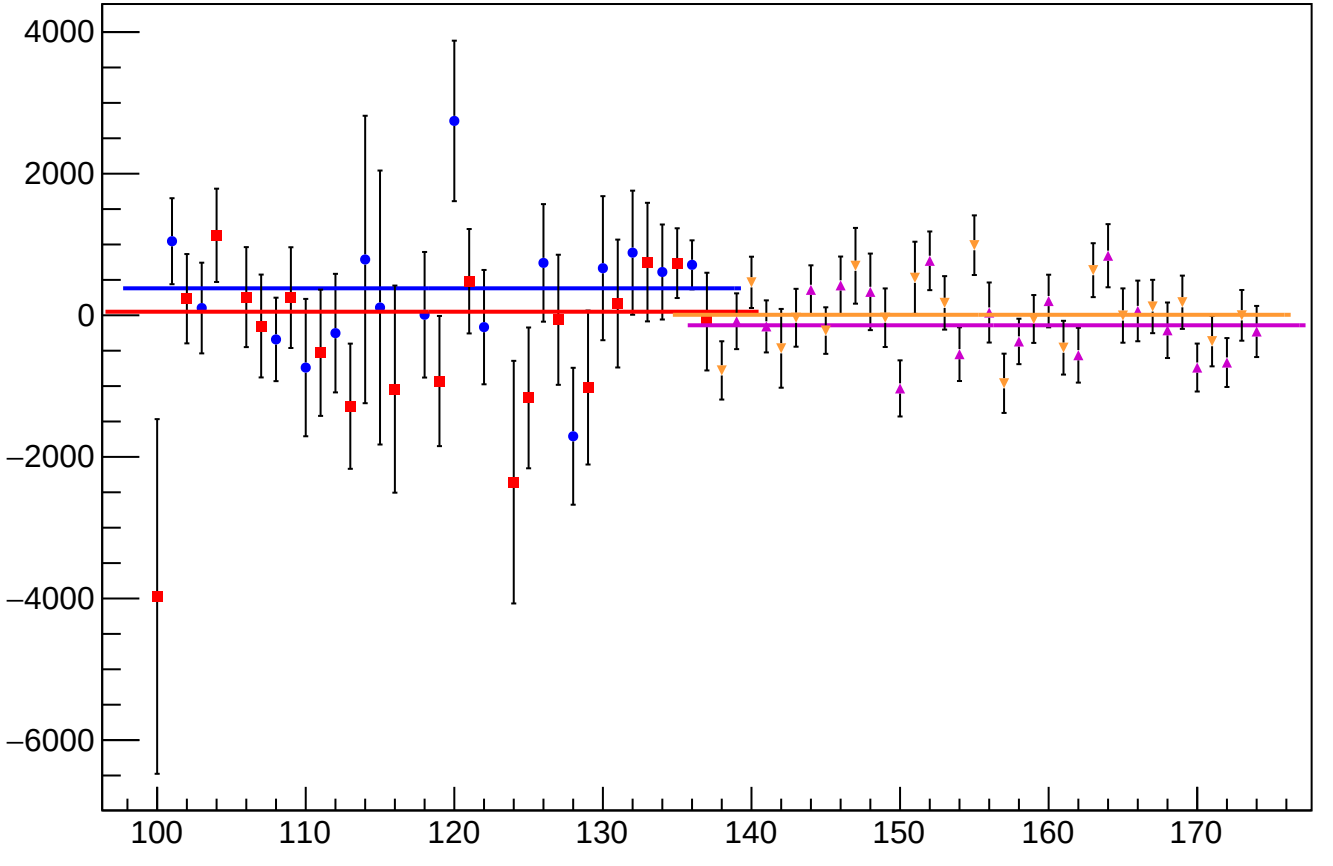
Right: 474.589+/-0.090 χ^2/NDF: 1846148.4/34

In: 371.381+/-0.057 χ^2/NDF:1998975.6/33

Out: 373.293+/-0.057 χ^2/NDF:2111879.3/37

All: 372.340+/-0.040 χ^2/NDF: 4111413.9/71

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 381.086+/-182.655 χ^2/NDF: 16.1/15

Left Out: 7.018+/-90.268 χ^2/NDF:25.8/18

Right Out: 50.392+/-185.262 χ^2/NDF: 17.5/18

Left In: -141.119+/-90.641 χ^2/NDF:29.2/17

Left: -66.745+/-63.961 χ^2/NDF: 56.4/36

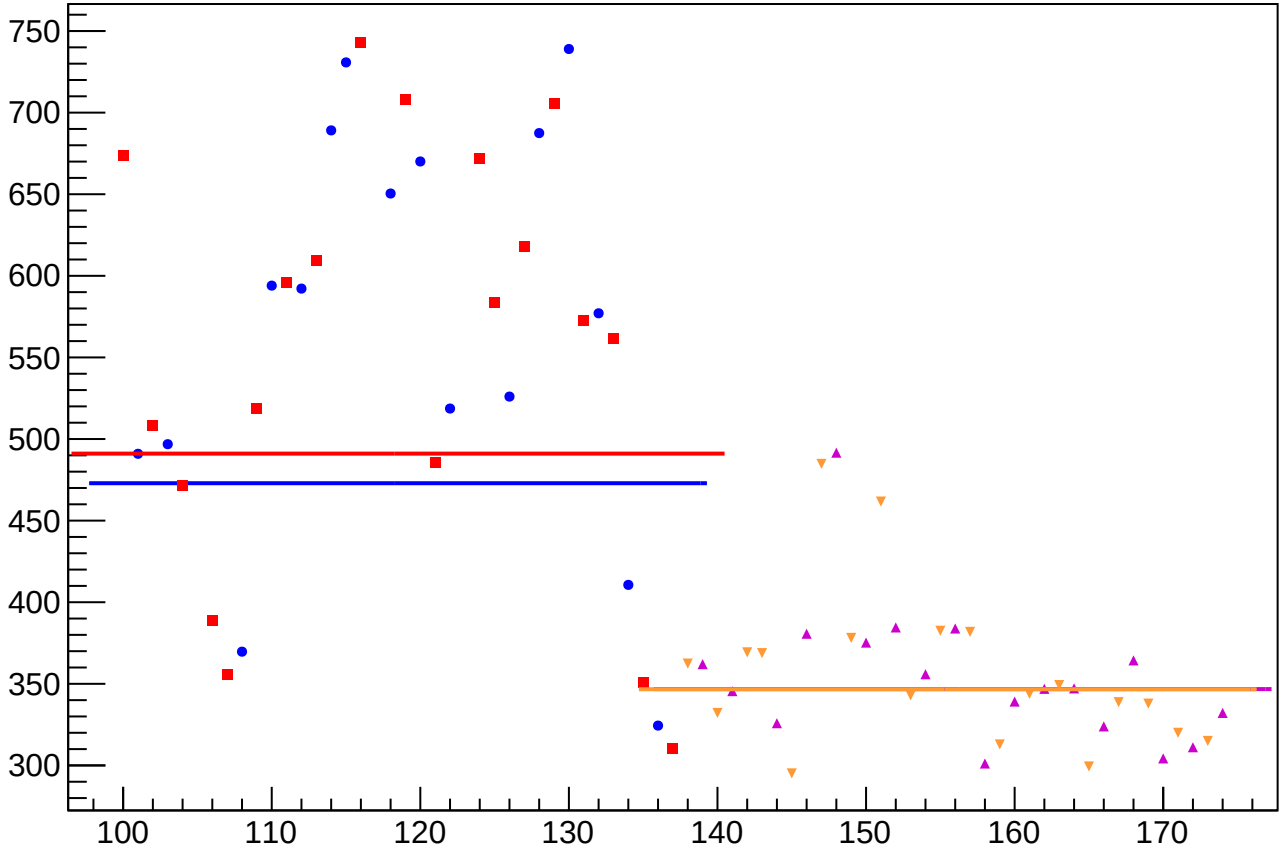
Right: 218.082+/-130.069 χ^2/NDF: 35.2/34

In: -37.933+/-81.194 χ^2/NDF:51.9/33

Out: 15.340+/-81.148 χ^2/NDF:43.4/37

All: -11.281+/-57.396 χ^2/NDF: 95.5/71

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 472.924+/-0.129 χ^2/NDF: 1000274.3/15

Left Out: 346.672+/-0.064 χ^2/NDF:419461.6/18

Right Out: 491.063+/-0.131 χ^2/NDF: 847493.6/18

Left In: 346.772+/-0.064 χ^2/NDF:318345.2/17

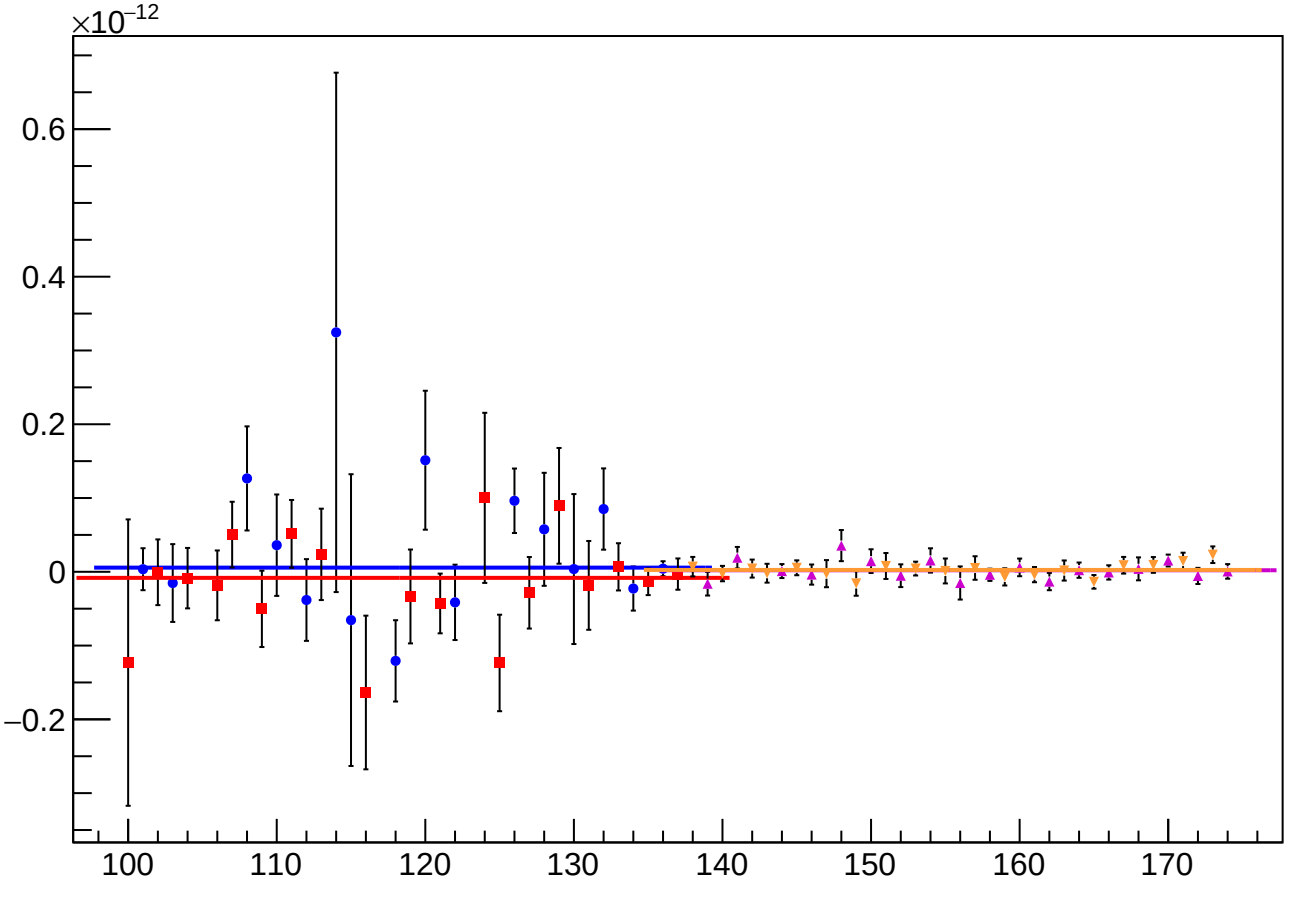
Left: 346.722+/-0.045 χ^2/NDF: 737808.1/36

Right: 481.865+/-0.092 χ^2/NDF: 1857489.5/34

In: 371.700+/-0.057 χ^2/NDF:2084119.3/33

Out: 374.375+/-0.057 χ^2/NDF:2248755.0/37

All: 373.038+/-0.041 χ^2/NDF: 4333960.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 21.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.1/17

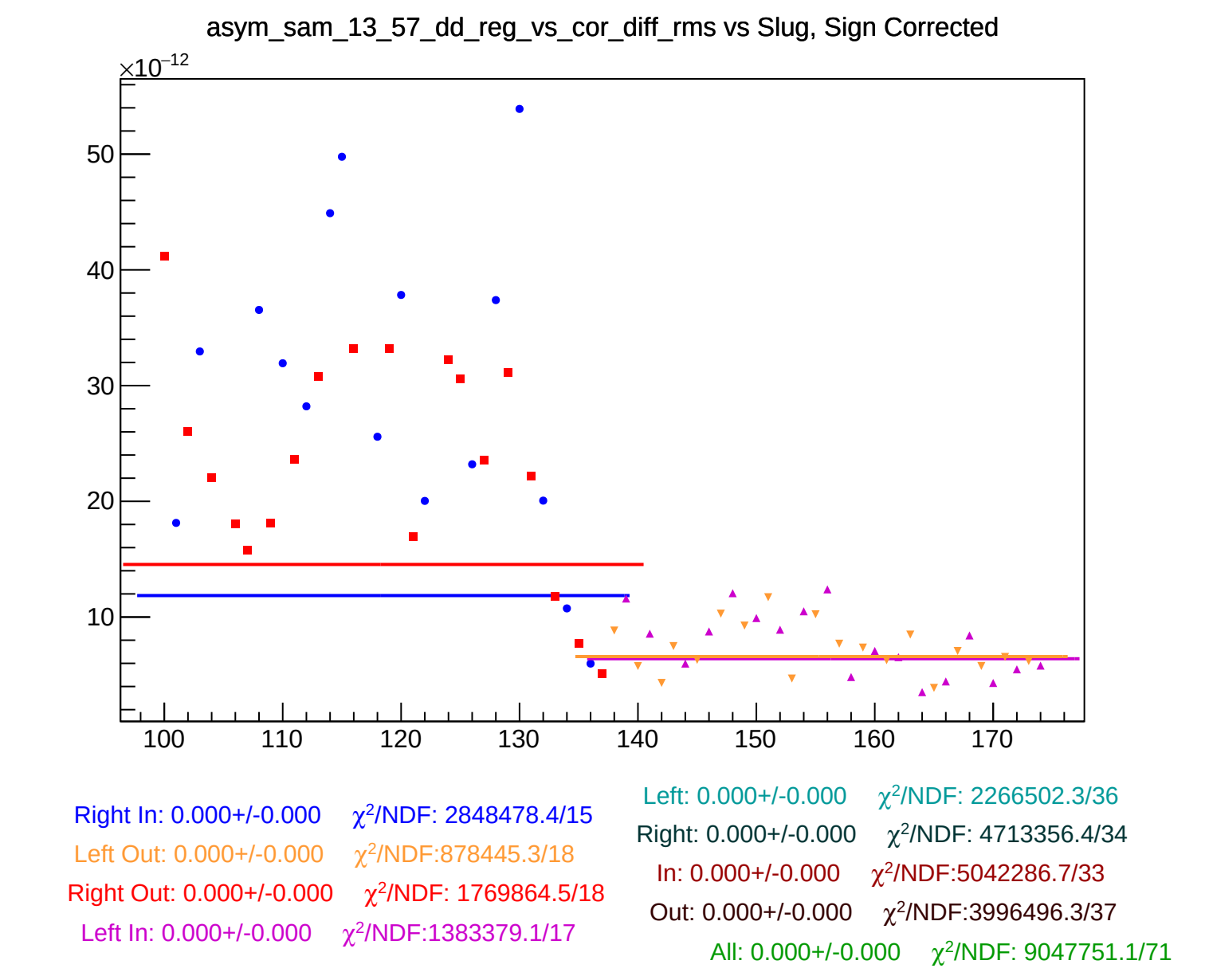
Left: 0.000+/-0.000 χ^2/NDF: 24.4/36

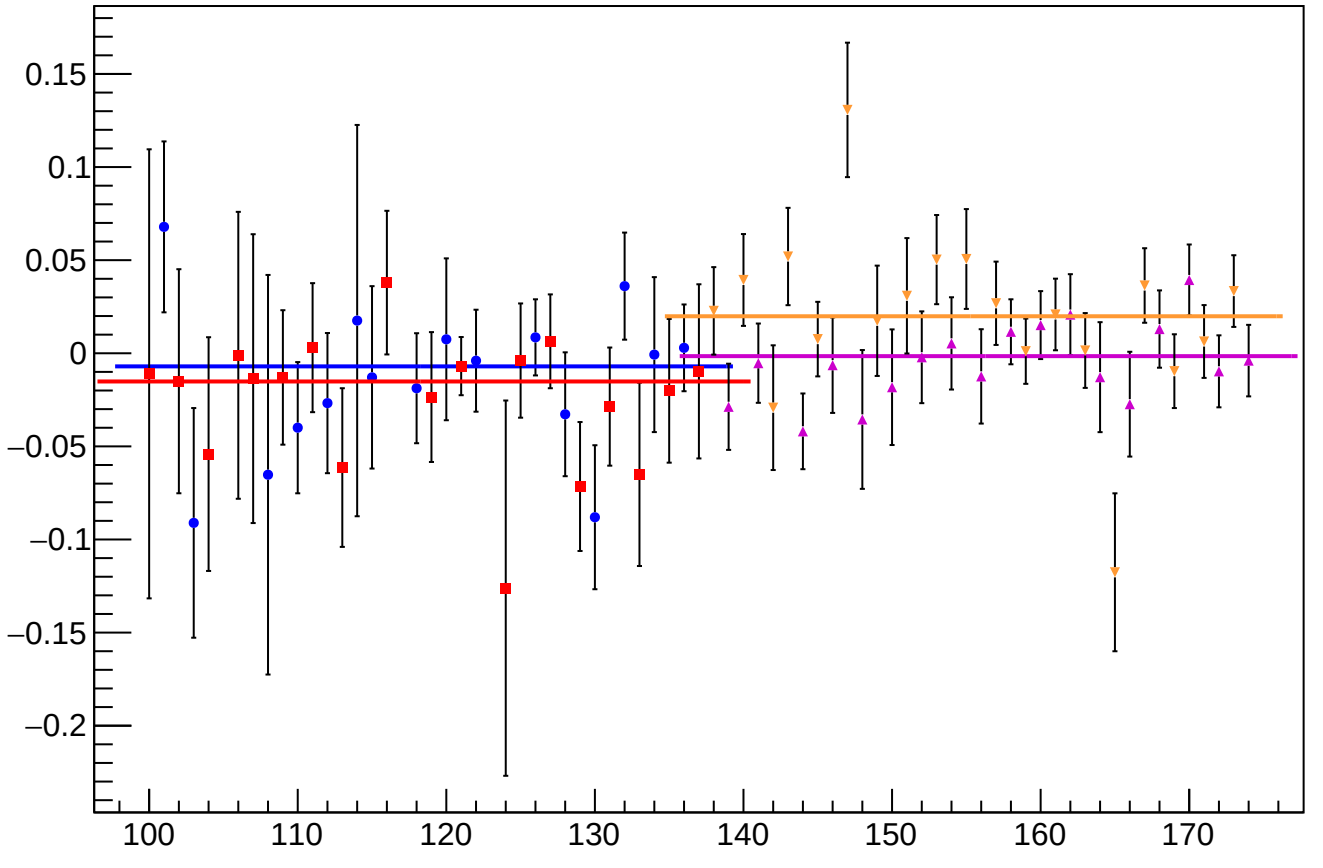
Right: -0.000+/-0.000 χ^2/NDF: 36.4/34

In: 0.000+/-0.000 χ^2/NDF:34.4/33

Out: 0.000+/-0.000 χ^2/NDF:26.5/37

All: 0.000+/-0.000 χ^2/NDF: 61.0/71


asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2848478.4/15
Left Out: 0.000+/-0.000 χ²/NDF:878445.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 1769864.5/18
Left In: 0.000+/-0.000 χ²/NDF:1383379.1/17
Left: 0.000+/-0.000 χ²/NDF: 2266502.3/36
Right: 0.000+/-0.000 χ²/NDF: 4713356.4/34
In: 0.000+/-0.000 χ²/NDF:5042286.7/33
Out: 0.000+/-0.000 χ²/NDF:3996496.3/37
All: 0.000+/-0.000 χ²/NDF: 9047751.1/71



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.5/17

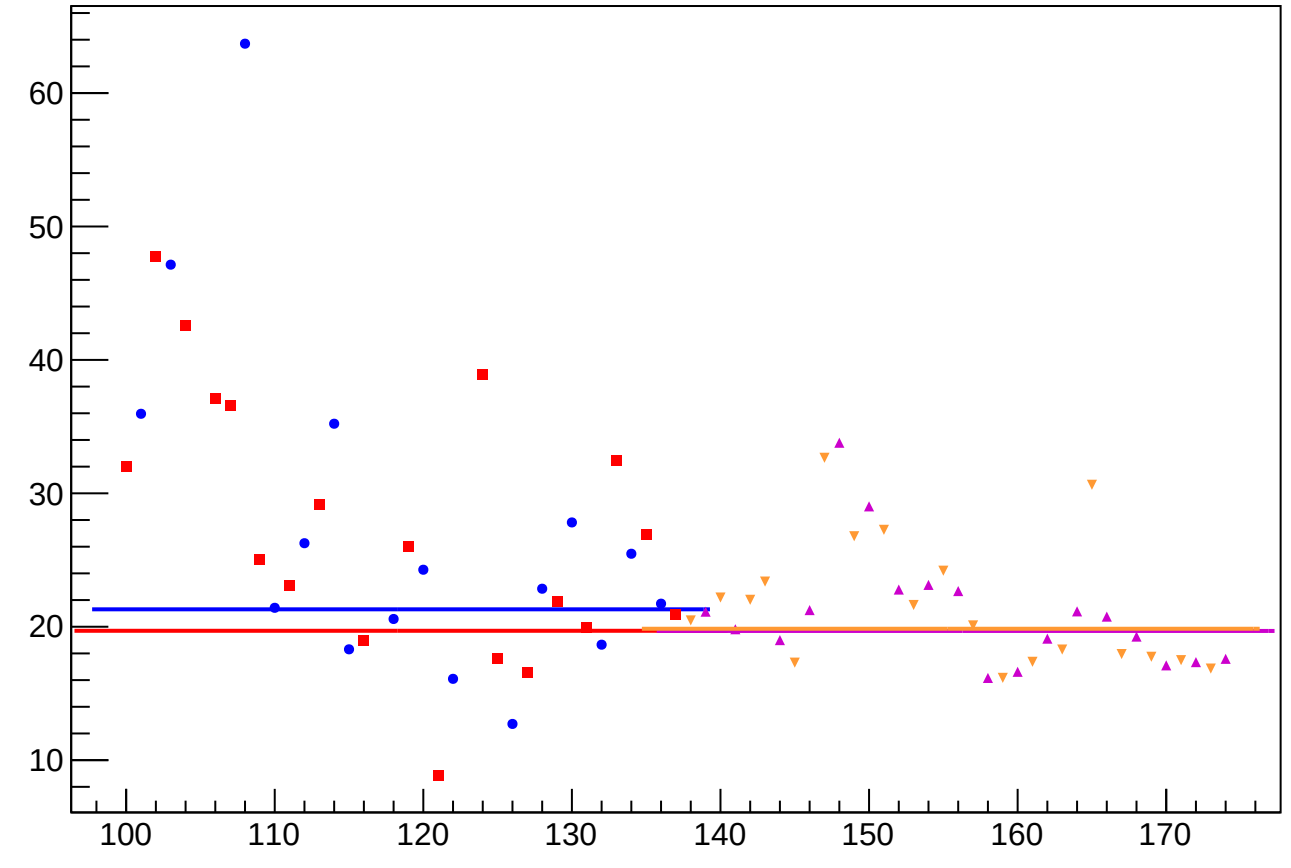
Left: 0.009+/-0.004 χ^2/NDF: 57.3/36

Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/33

Out: 0.010+/-0.004 χ^2/NDF:56.5/37

All: 0.003+/-0.003 χ^2/NDF: 90.7/71



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.849+/-0.004 χ^2/NDF:1017276.9/18

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.684+/-0.004 χ^2/NDF:820727.1/17

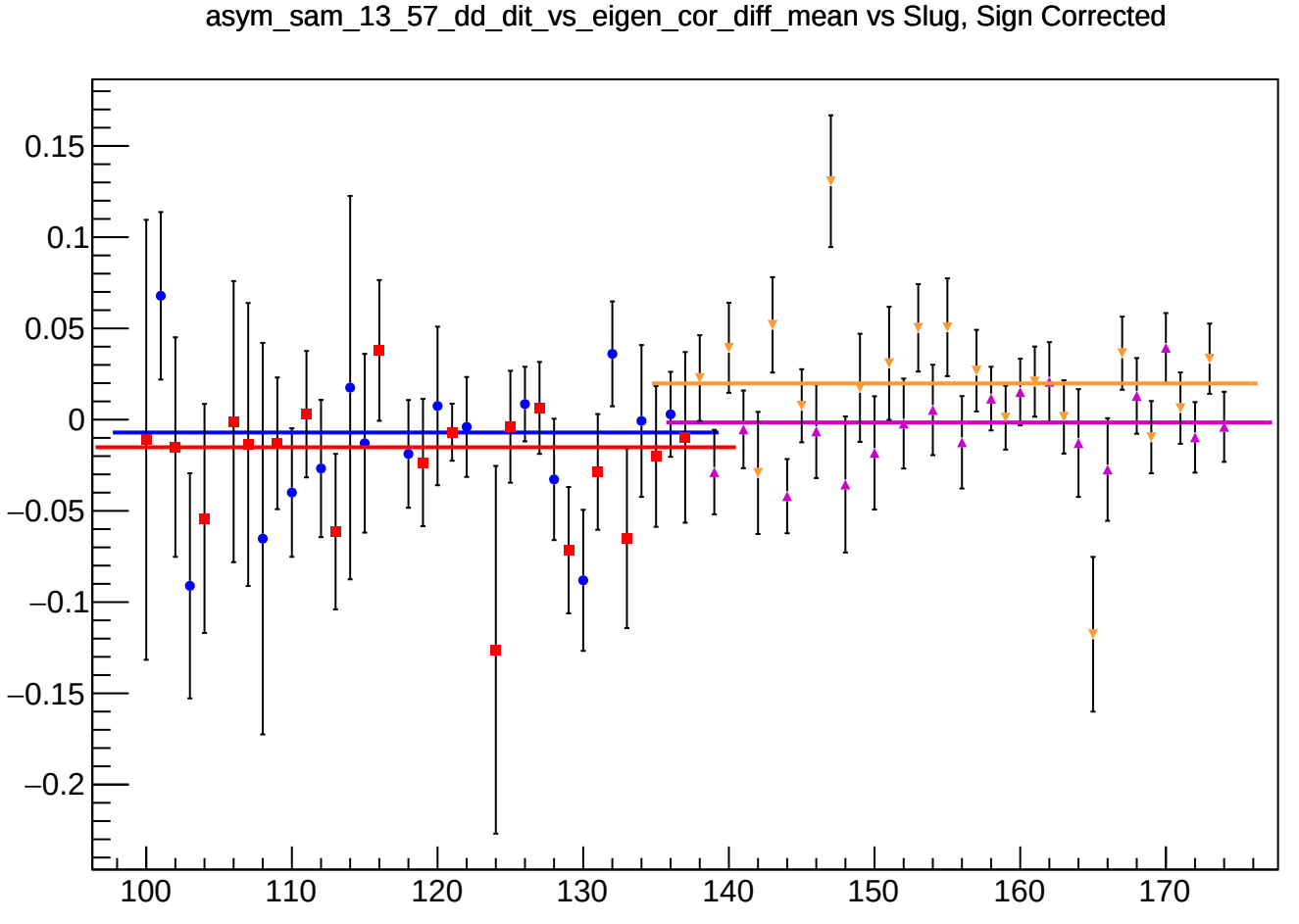
Left: 19.767+/-0.003 χ^2/NDF: 1838979.1/36

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.126+/-0.003 χ^2/NDF:2351524.6/33

Out: 19.805+/-0.003 χ^2/NDF:3456742.9/37

All: 19.964+/-0.002 χ^2/NDF: 5813427.8/71



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.5/17

Left: 0.009+/-0.004 χ^2/NDF: 57.3/36

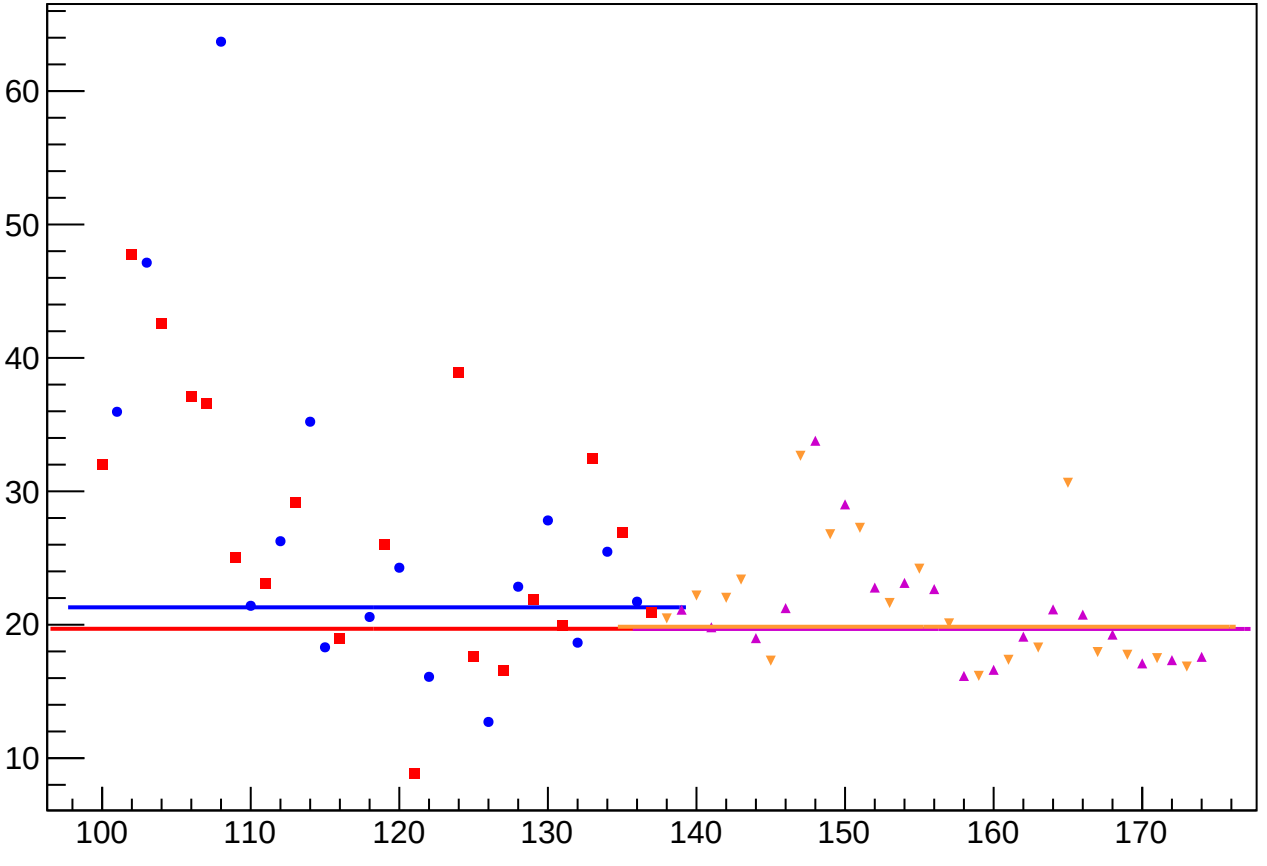
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/33

Out: 0.010+/-0.004 χ^2/NDF:56.5/37

All: 0.003+/-0.003 χ^2/NDF: 90.7/71

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.305+/-0.006 χ^2/NDF: 1479398.3/15

Left Out: 19.849+/-0.004 χ^2/NDF:1017276.9/18

Right Out: 19.697+/-0.006 χ^2/NDF: 2438979.3/18

Left In: 19.684+/-0.004 χ^2/NDF:820727.1/17

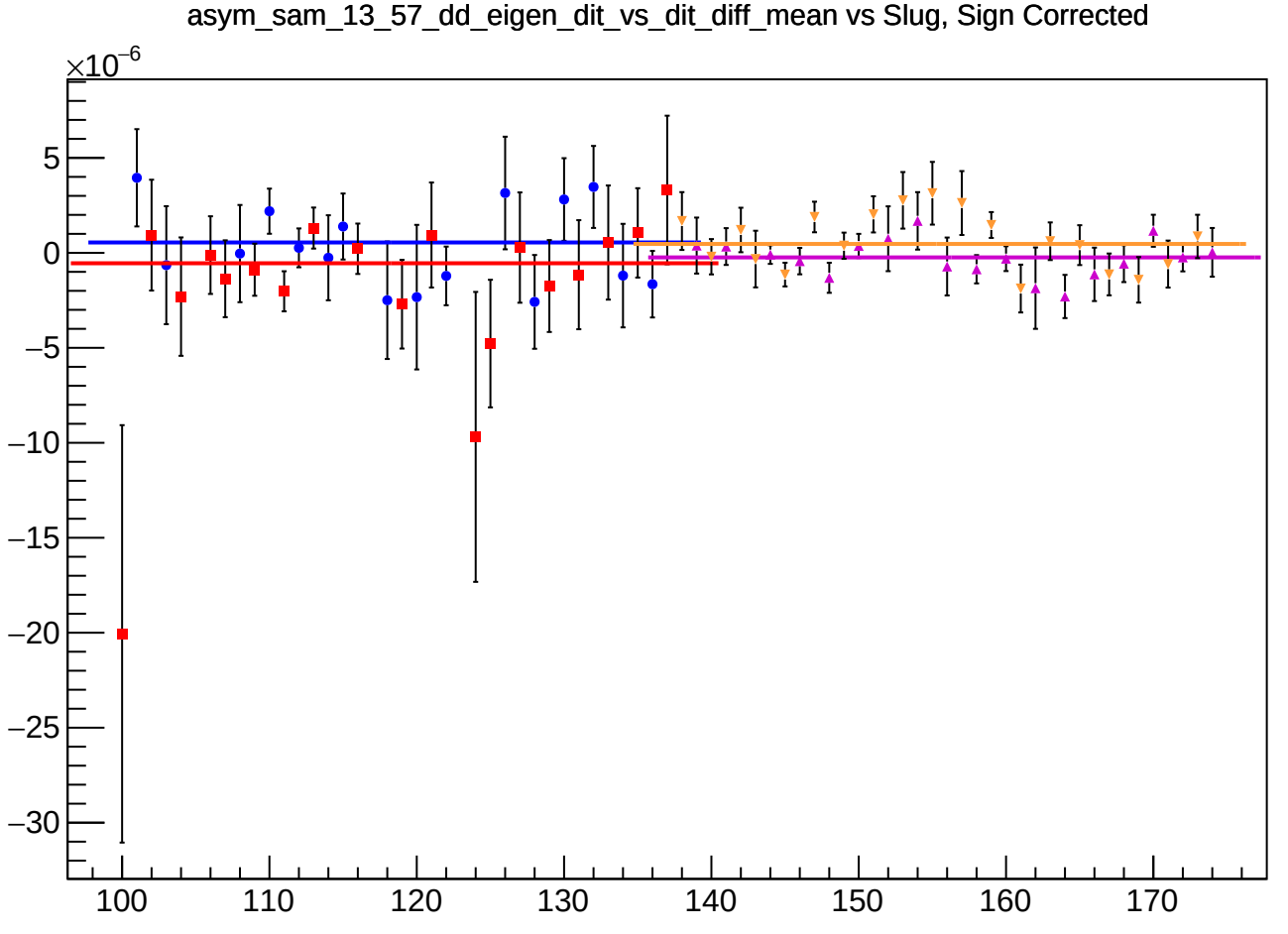
Left: 19.767+/-0.003 χ^2/NDF: 1838979.1/36

Right: 20.463+/-0.004 χ^2/NDF: 3954812.2/34

In: 20.126+/-0.003 χ^2/NDF:2351524.6/33

Out: 19.805+/-0.003 χ^2/NDF:3456742.9/37

All: 19.964+/-0.002 χ^2/NDF: 5813427.8/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/18

Left In: -0.000+/-0.000 χ^2/NDF:13.4/17

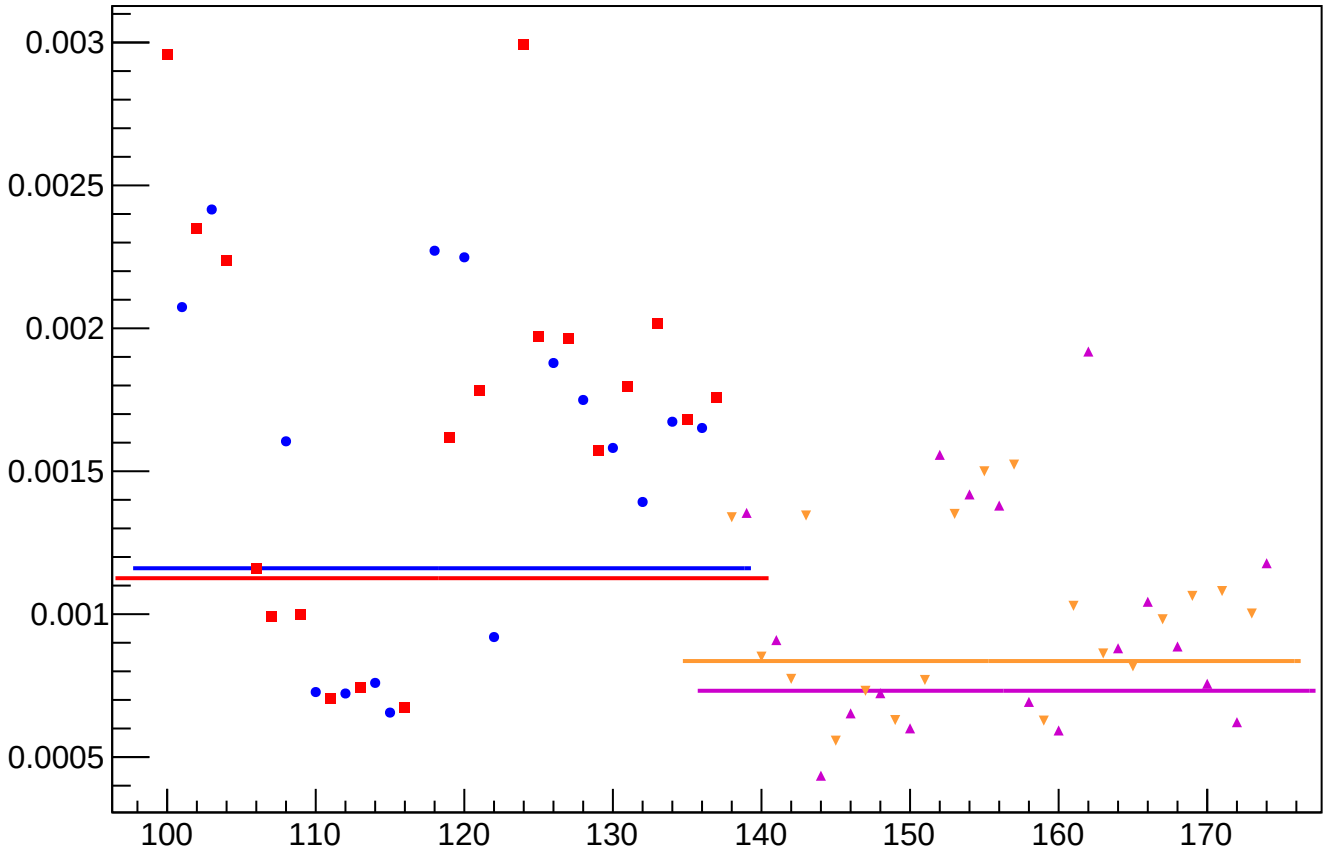
Left: 0.000+/-0.000 χ^2/NDF: 50.7/36

Right: -0.000+/-0.000 χ^2/NDF: 32.5/34

In: -0.000+/-0.000 χ^2/NDF:30.1/33

Out: 0.000+/-0.000 χ^2/NDF:51.3/37

All: 0.000+/-0.000 χ^2/NDF: 83.3/71



Right In: 0.001+/-0.000 χ^2/NDF: 2534643.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:2441033.9/18

Right Out: 0.001+/-0.000 χ^2/NDF: 2623987.9/18

Left In: 0.001+/-0.000 χ^2/NDF:3694556.4/17

Left: 0.001+/-0.000 χ^2/NDF: 6362778.1/36

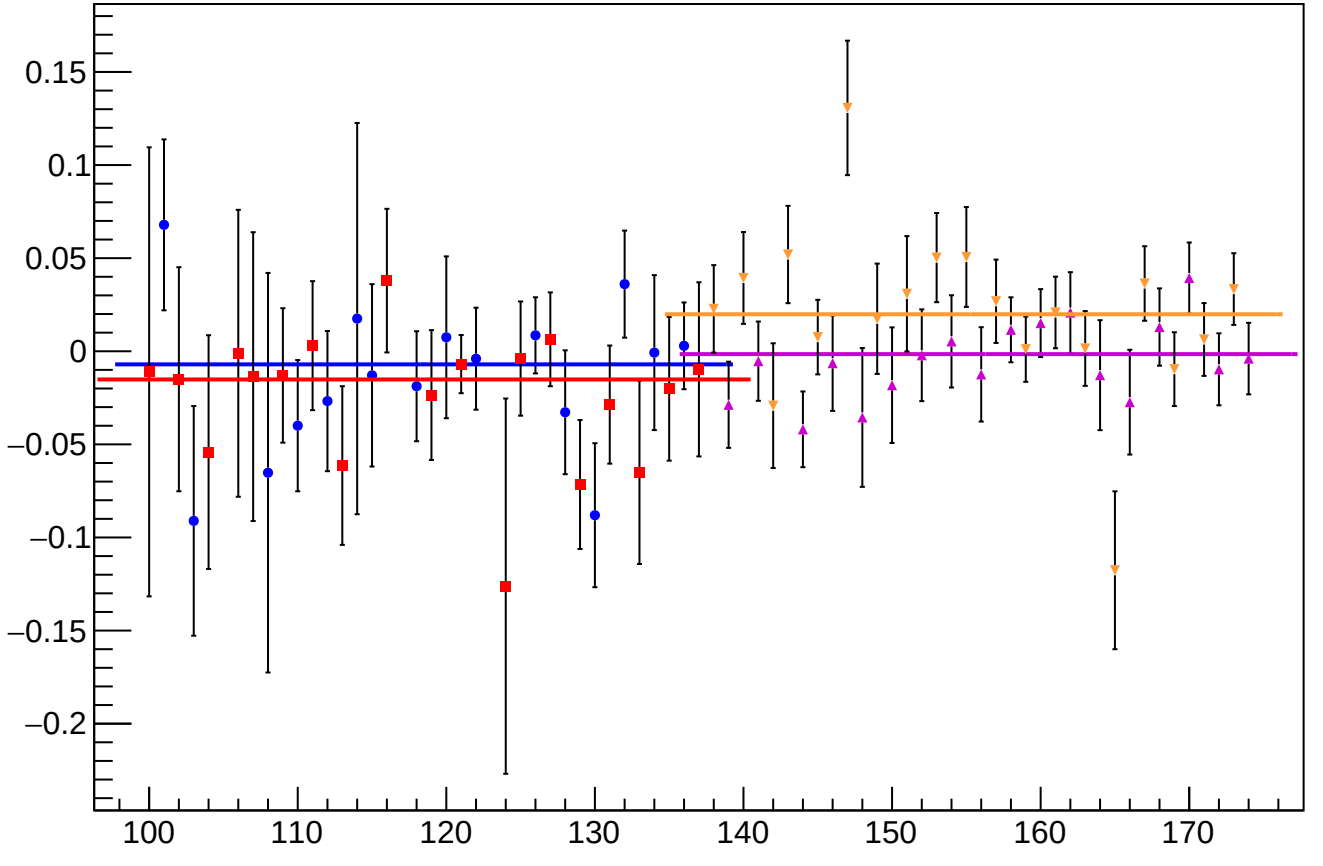
Right: 0.001+/-0.000 χ^2/NDF: 5164155.8/34

In: 0.001+/-0.000 χ^2/NDF:7582474.5/33

Out: 0.001+/-0.000 χ^2/NDF:5703515.2/37

All: 0.001+/-0.000 χ^2/NDF: 13519130.3/71

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: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.5/17

Left: 0.009+/-0.004 χ^2/NDF: 57.3/36

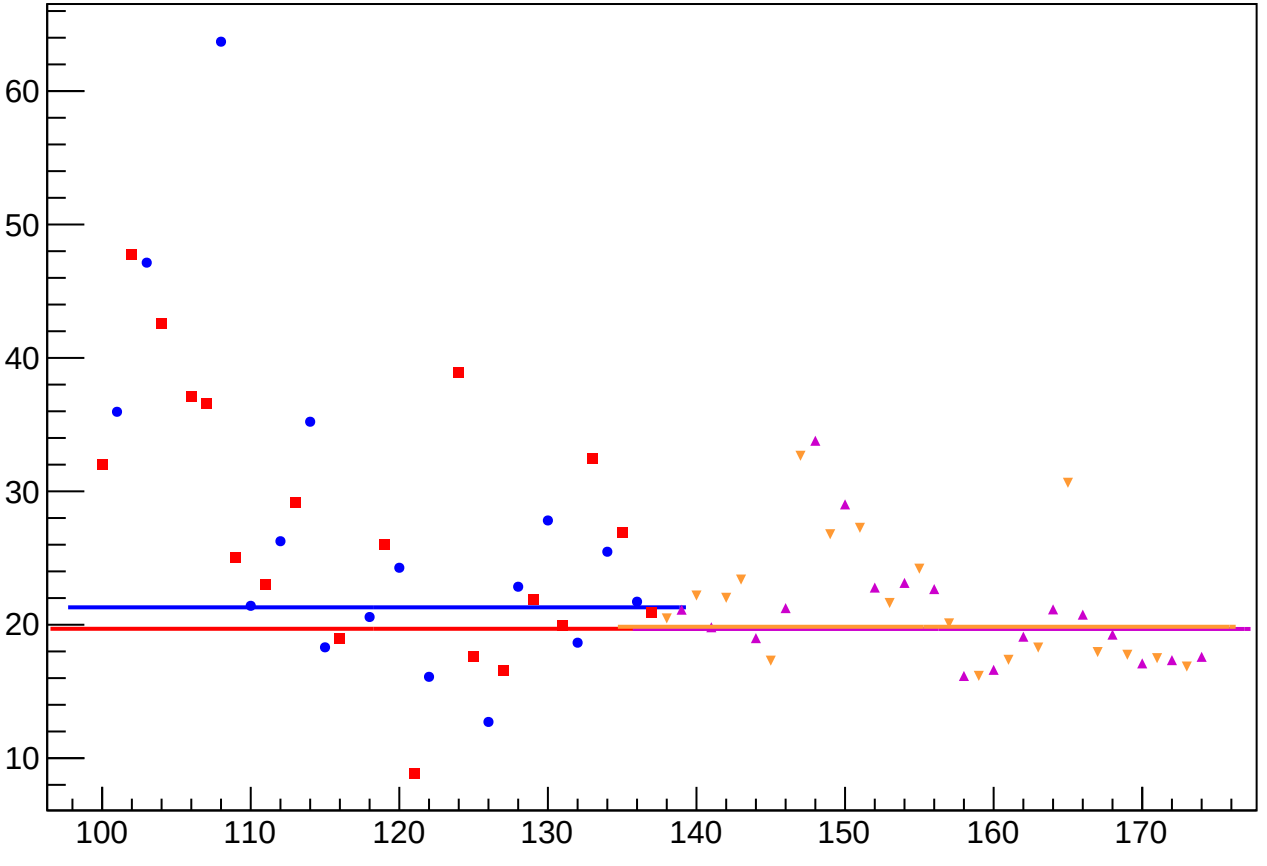
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/33

Out: 0.010+/-0.004 χ^2/NDF:56.5/37

All: 0.003+/-0.003 χ^2/NDF: 90.7/71

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.849+/-0.004 χ^2/NDF:1017393.2/18

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

Left: 19.767+/-0.003 χ^2/NDF: 1839161.2/36

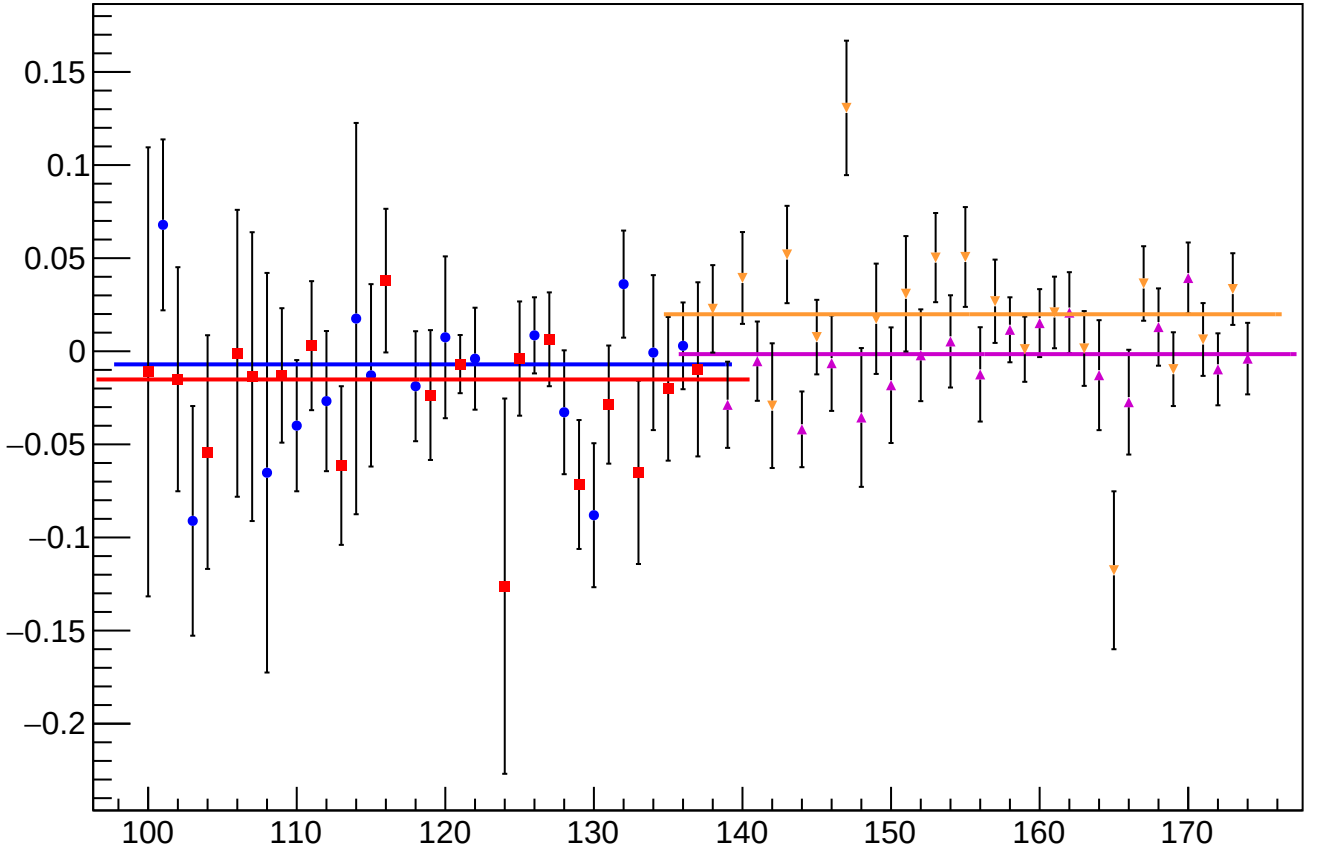
Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.126+/-0.003 χ^2/NDF:2351438.9/33

Out: 19.805+/-0.003 χ^2/NDF:3456488.0/37

All: 19.964+/-0.002 χ^2/NDF: 5813085.3/71

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 14.3/15

Left Out: 0.020+/-0.005 χ^2/NDF:33.6/18

Right Out: -0.015+/-0.008 χ^2/NDF: 10.1/18

Left In: -0.002+/-0.005 χ^2/NDF:15.5/17

Left: 0.009+/-0.004 χ^2/NDF: 57.3/36

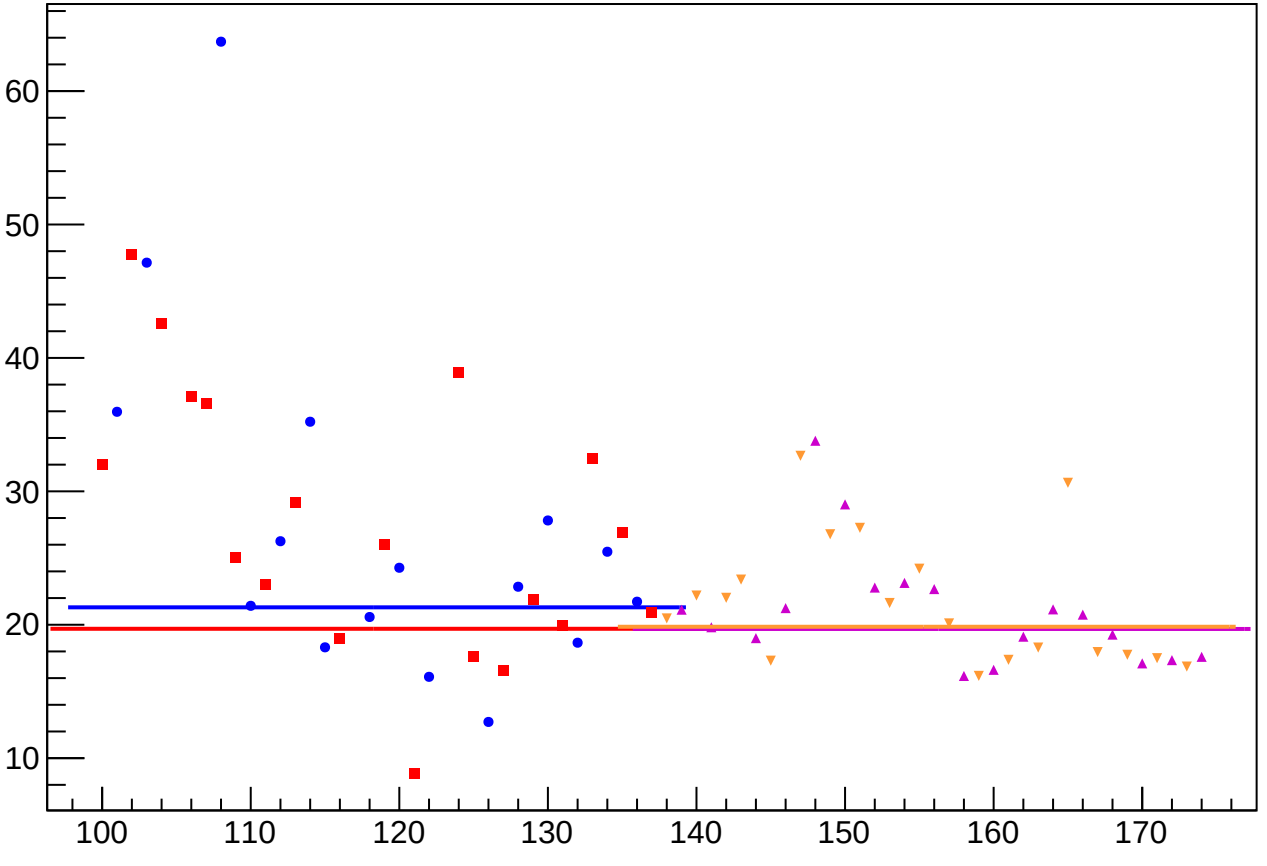
Right: -0.011+/-0.006 χ^2/NDF: 24.9/34

In: -0.003+/-0.005 χ^2/NDF:30.1/33

Out: 0.010+/-0.004 χ^2/NDF:56.5/37

All: 0.003+/-0.003 χ^2/NDF: 90.7/71

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 21.306+/-0.006 χ^2/NDF: 1479231.5/15

Left Out: 19.849+/-0.004 χ^2/NDF:1017393.2/18

Right Out: 19.698+/-0.006 χ^2/NDF: 2438612.4/18

Left In: 19.684+/-0.004 χ^2/NDF:820793.9/17

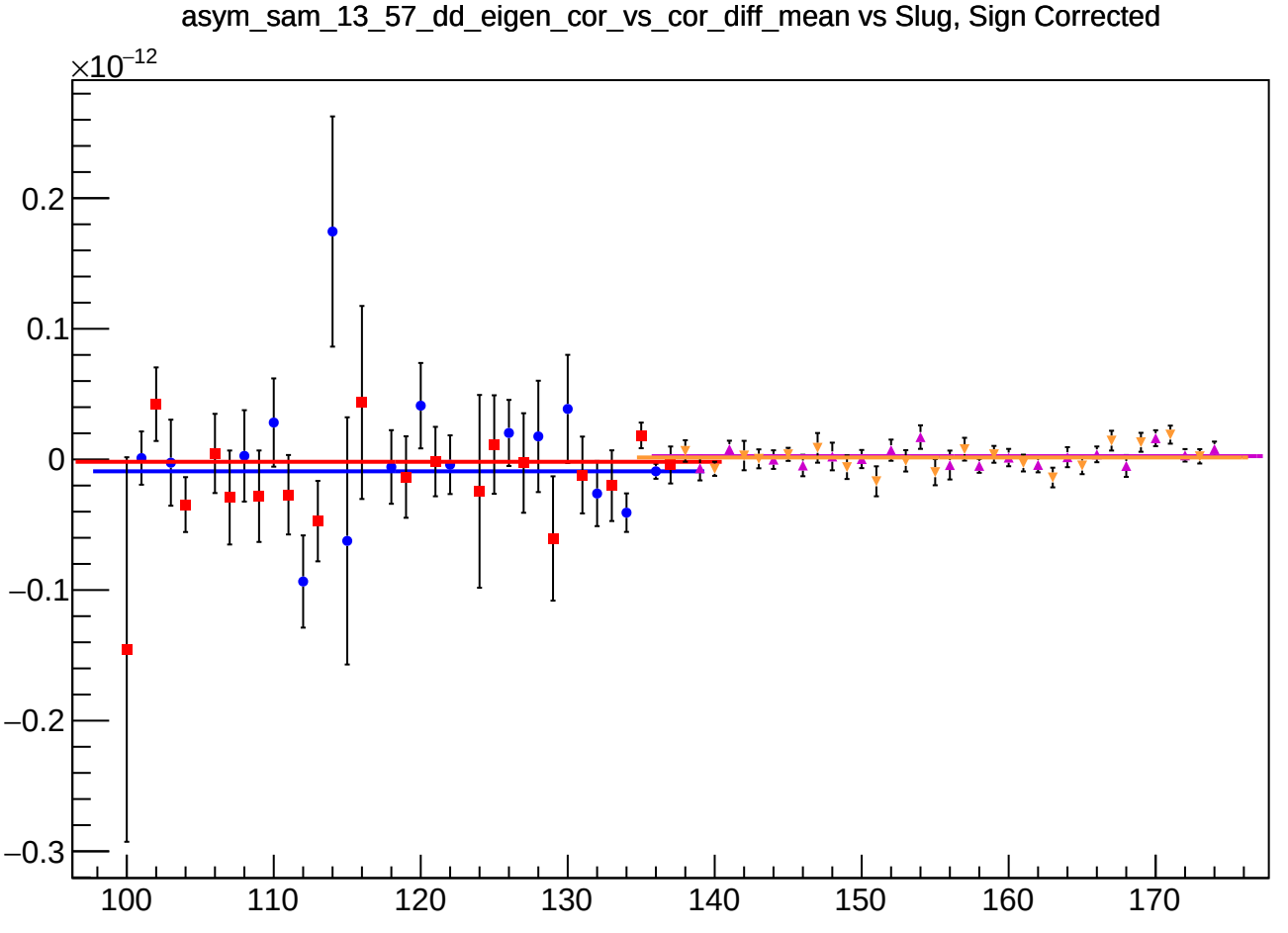
Left: 19.767+/-0.003 χ^2/NDF: 1839161.2/36

Right: 20.464+/-0.004 χ^2/NDF: 3954261.4/34

In: 20.126+/-0.003 χ^2/NDF:2351438.9/33

Out: 19.805+/-0.003 χ^2/NDF:3456488.0/37

All: 19.964+/-0.002 χ^2/NDF: 5813085.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:26.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: 0.000+/-0.000 χ^2/NDF:16.2/17

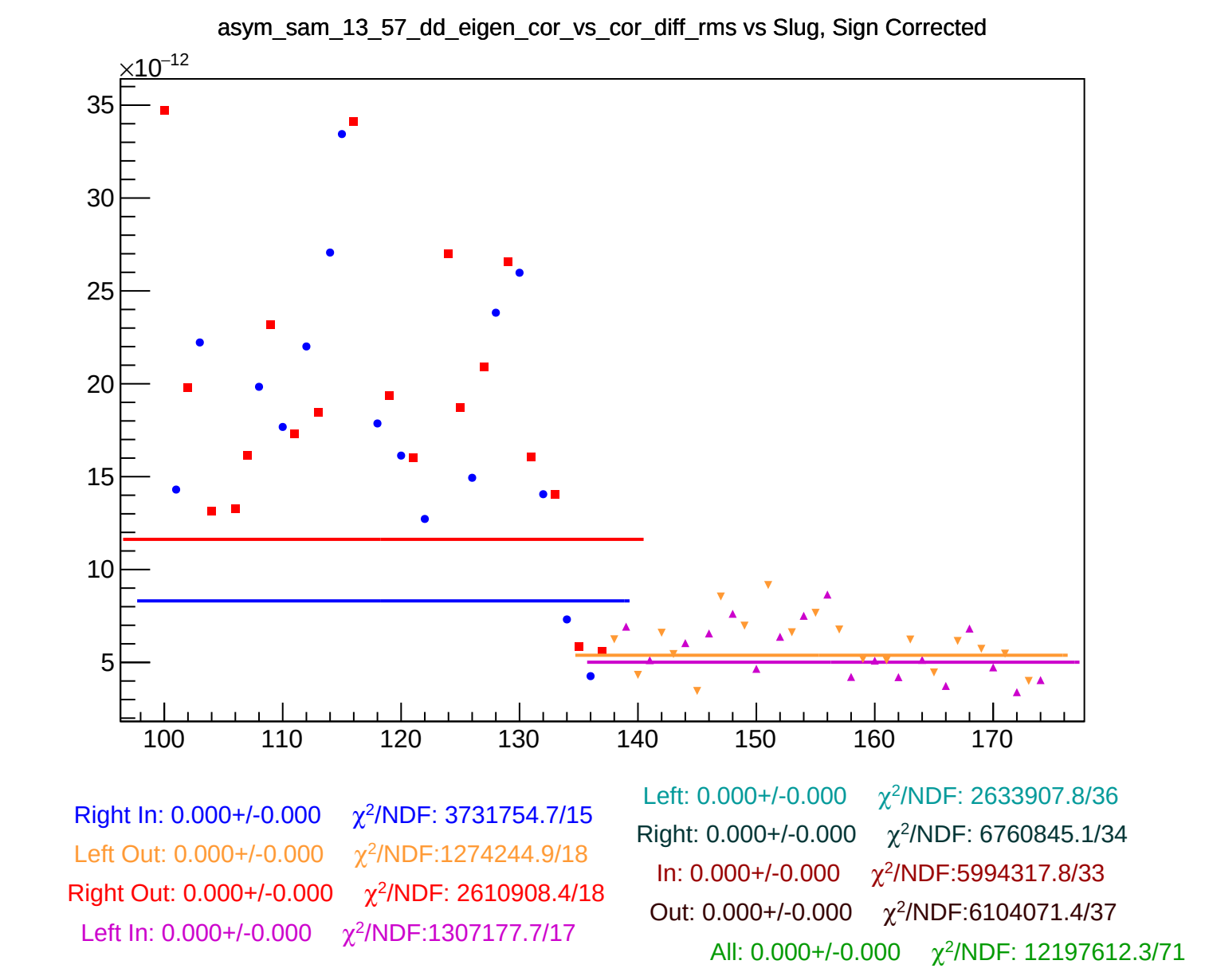
Left: 0.000+/-0.000 χ^2/NDF: 42.6/36

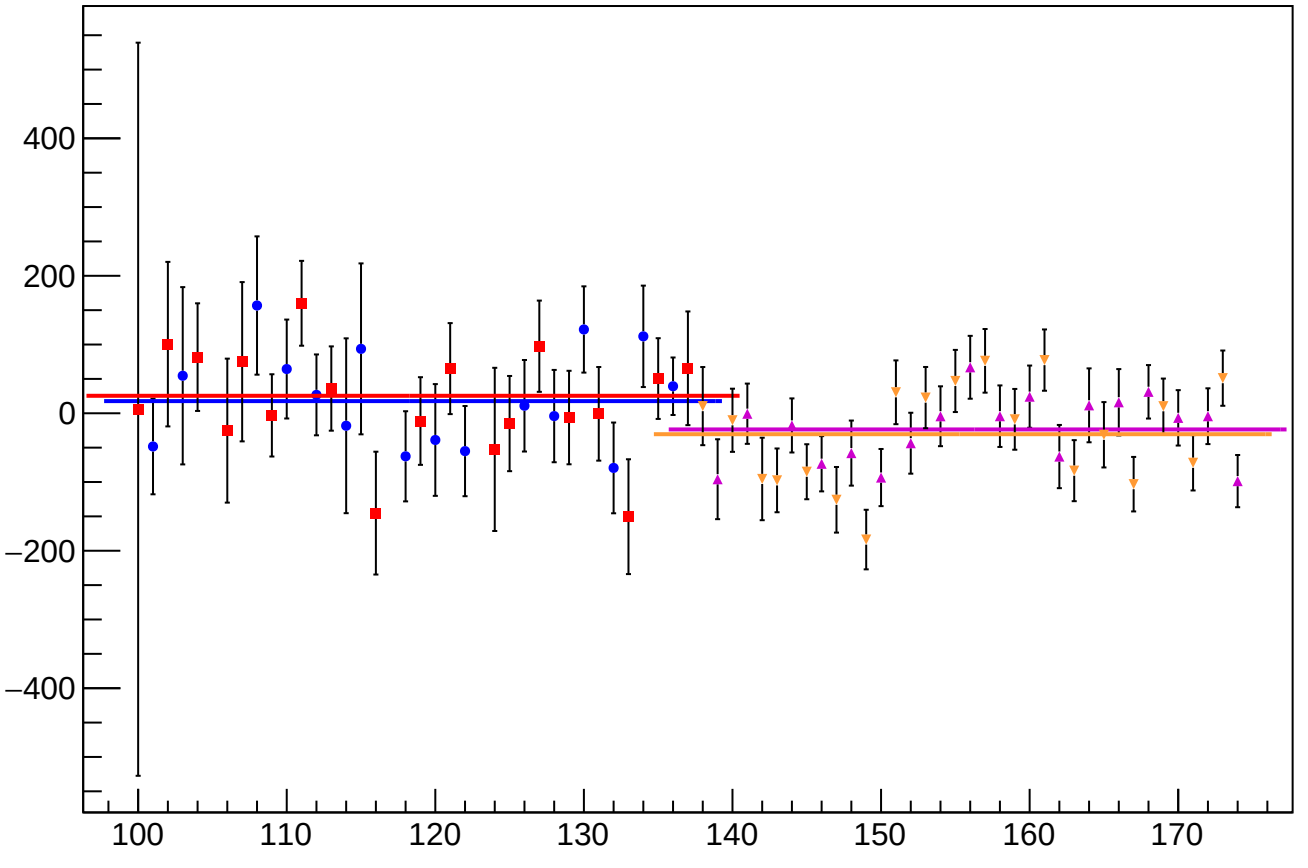
Right: -0.000+/-0.000 χ^2/NDF: 40.6/34

In: 0.000+/-0.000 χ^2/NDF:44.7/33

Out: 0.000+/-0.000 χ^2/NDF:43.5/37

All: 0.000+/-0.000 χ^2/NDF: 88.2/71


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 3731754.7/15
Left Out: 0.000+/-0.000 χ²/NDF:1274244.9/18
Right Out: 0.000+/-0.000 χ²/NDF: 2610908.4/18
Left In: 0.000+/-0.000 χ²/NDF:1307177.7/17
Left: 0.000+/-0.000 χ²/NDF: 2633907.8/36
Right: 0.000+/-0.000 χ²/NDF: 6760845.1/34
In: 0.000+/-0.000 χ²/NDF:5994317.8/33
Out: 0.000+/-0.000 χ²/NDF:6104071.4/37
All: 0.000+/-0.000 χ²/NDF: 12197612.3/71



Right In: 17.701+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.454+/-10.260 χ^2/NDF:50.8/18

Right Out: 25.440+/-17.337 χ^2/NDF: 17.8/18

Left In: -23.517+/-10.296 χ^2/NDF:20.5/17

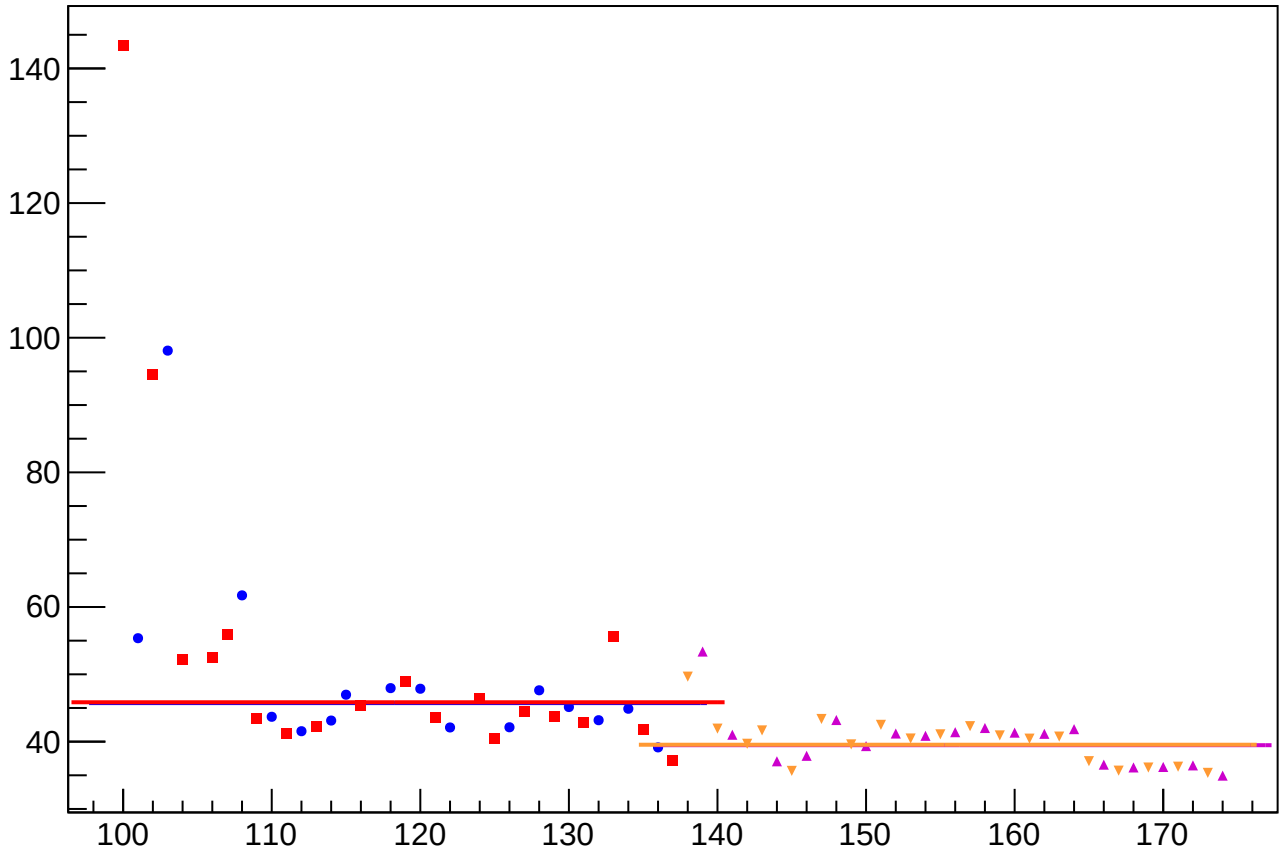
Left: -26.997+/-7.268 χ^2/NDF: 71.6/36

Right: 21.600+/-12.306 χ^2/NDF: 31.9/34

In: -12.892+/-8.870 χ^2/NDF:38.6/33

Out: -15.955+/-8.830 χ^2/NDF:76.4/37

All: -14.431+/-6.258 χ^2/NDF: 115.0/71



Right In: 45.727+/-0.012 χ^2/NDF: 501460.7/15

Left Out: 39.541+/-0.007 χ^2/NDF:200367.6/18

Right Out: 45.849+/-0.012 χ^2/NDF: 540156.7/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

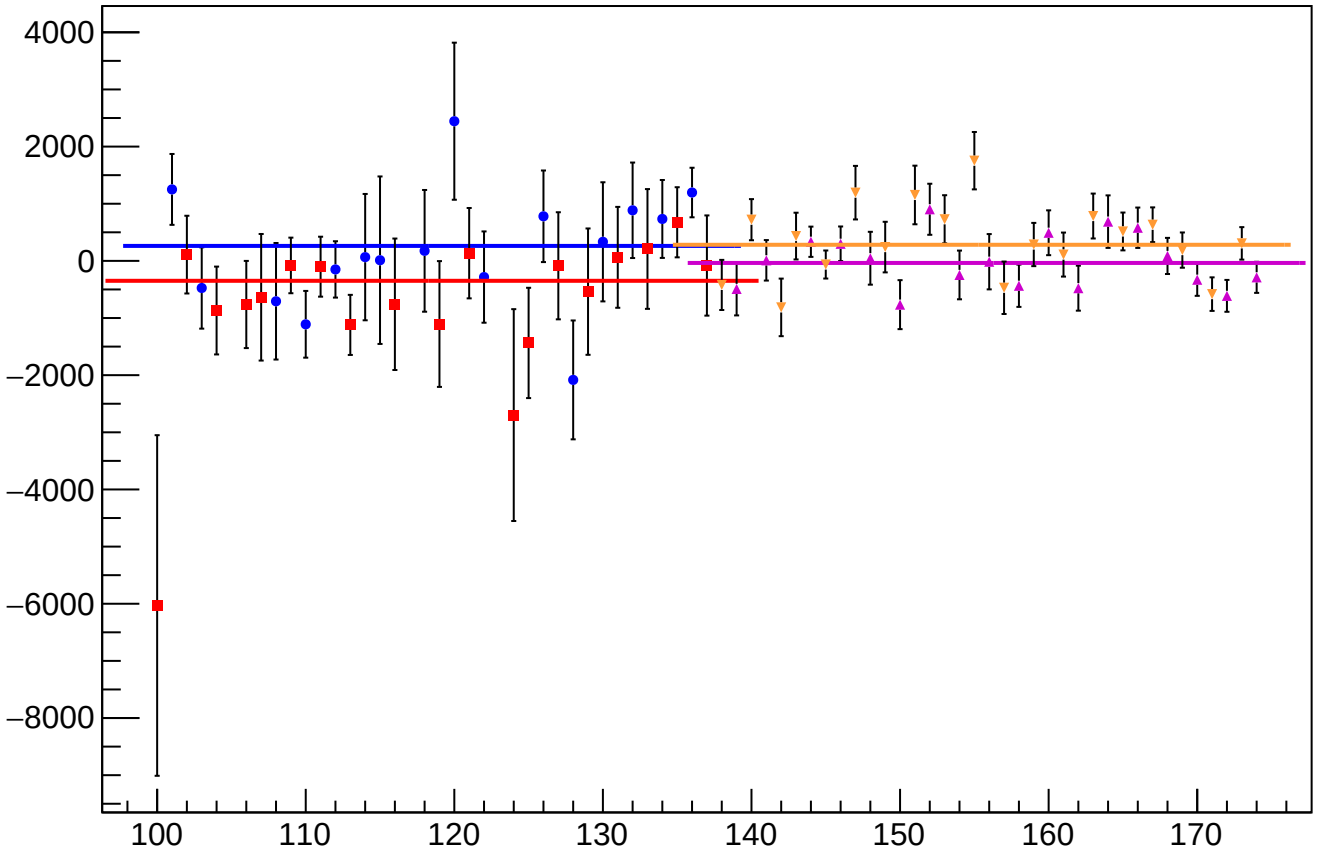
Left: 39.506+/-0.005 χ^2/NDF: 439491.4/36

Right: 45.788+/-0.009 χ^2/NDF: 1041667.0/34

In: 41.084+/-0.006 χ^2/NDF:930826.7/33

Out: 41.177+/-0.006 χ^2/NDF:936637.2/37

All: 41.131+/-0.004 χ^2/NDF: 1867574.4/71



Right In: 261.943+/-185.211 χ^2/NDF: 25.0/15

Left Out: 281.723+/-83.947 χ^2/NDF:42.4/18

Right Out: -348.685+/-180.682 χ^2/NDF: 14.9/18

Left In: -36.110+/-83.133 χ^2/NDF:27.9/17

Left: 121.257+/-59.070 χ^2/NDF: 77.5/36

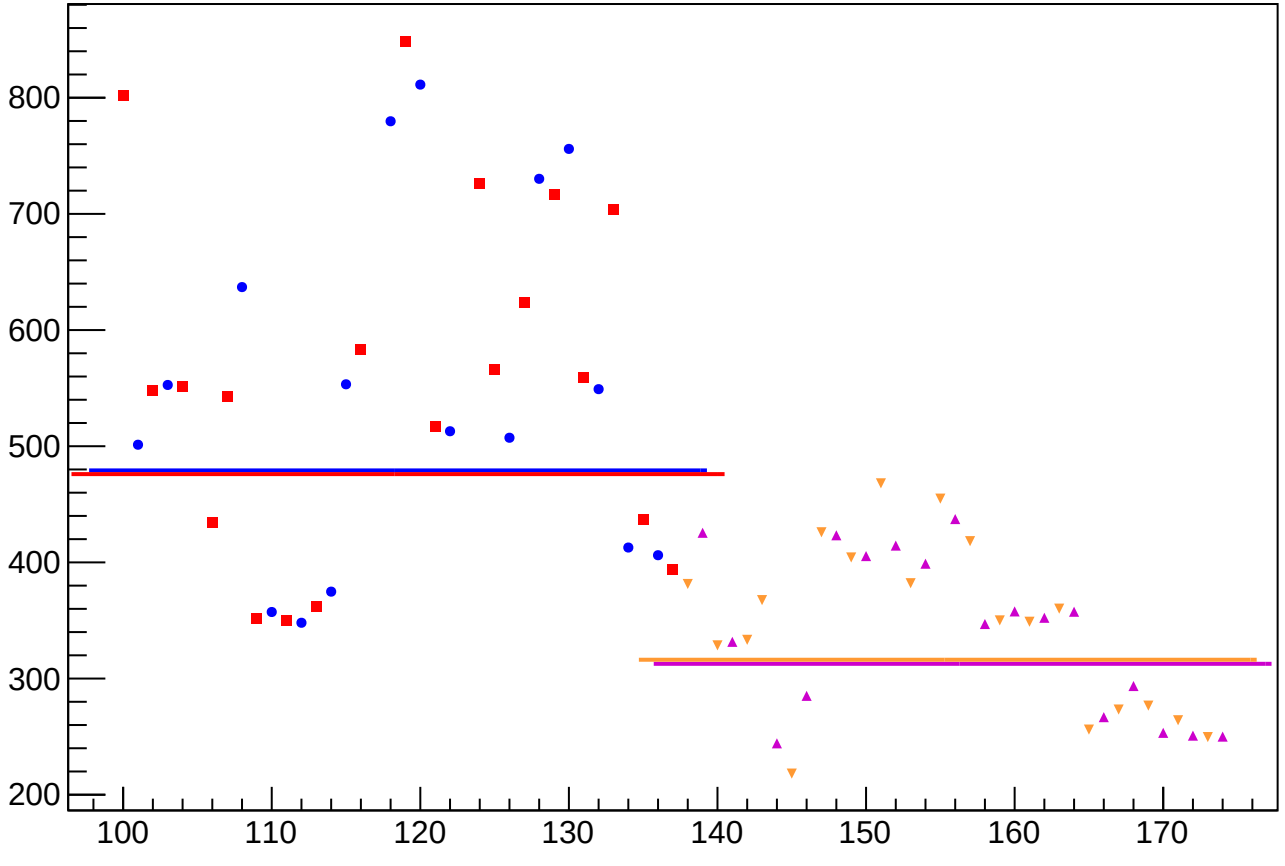
Right: -50.928+/-129.333 χ^2/NDF: 45.5/34

In: 13.870+/-75.843 χ^2/NDF:55.0/33

Out: 169.800+/-76.131 χ^2/NDF:67.3/37

All: 91.539+/-53.731 χ^2/NDF: 124.4/71

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 479.178+/-0.131 χ^2/NDF: 952693.7/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430771.6/18

Right Out: 475.992+/-0.128 χ^2/NDF: 1006487.7/18

Left In: 312.688+/-0.059 χ^2/NDF:1218205.8/17

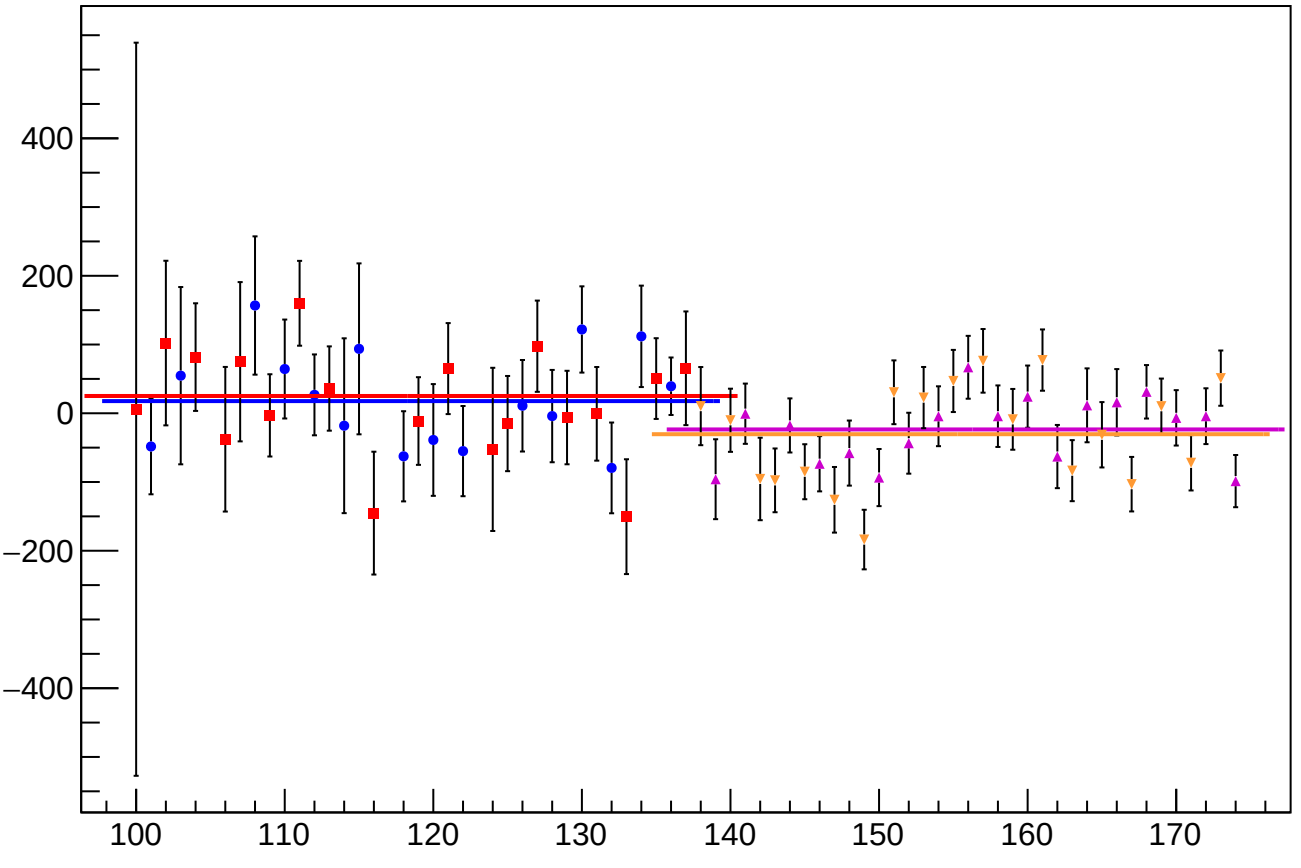
Left: 314.425+/-0.042 χ^2/NDF: 2650741.3/36

Right: 477.545+/-0.091 χ^2/NDF: 1959484.6/34

In: 340.606+/-0.054 χ^2/NDF:3516018.2/33

Out: 344.566+/-0.054 χ^2/NDF:3723862.5/37

All: 342.579+/-0.038 χ^2/NDF: 7242597.5/71



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.455+/-10.260 χ^2/NDF:50.8/18

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -23.516+/-10.296 χ^2/NDF:20.5/17

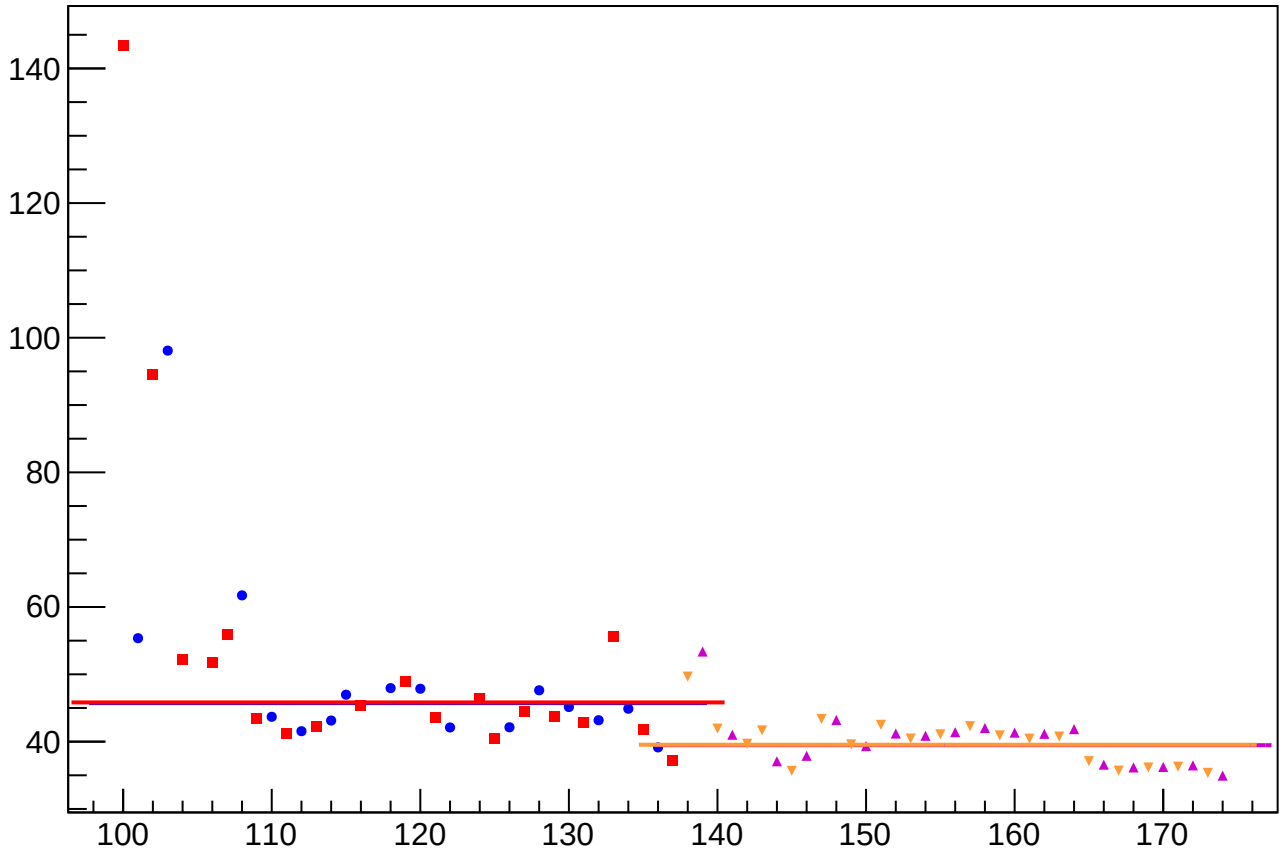
Left: -26.998+/-7.268 χ^2/NDF: 71.6/36

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.890+/-8.870 χ^2/NDF:38.6/33

Out: -16.036+/-8.830 χ^2/NDF:76.4/37

All: -14.470+/-6.258 χ^2/NDF: 115.1/71



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.541+/-0.007 χ^2/NDF:200367.6/18

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

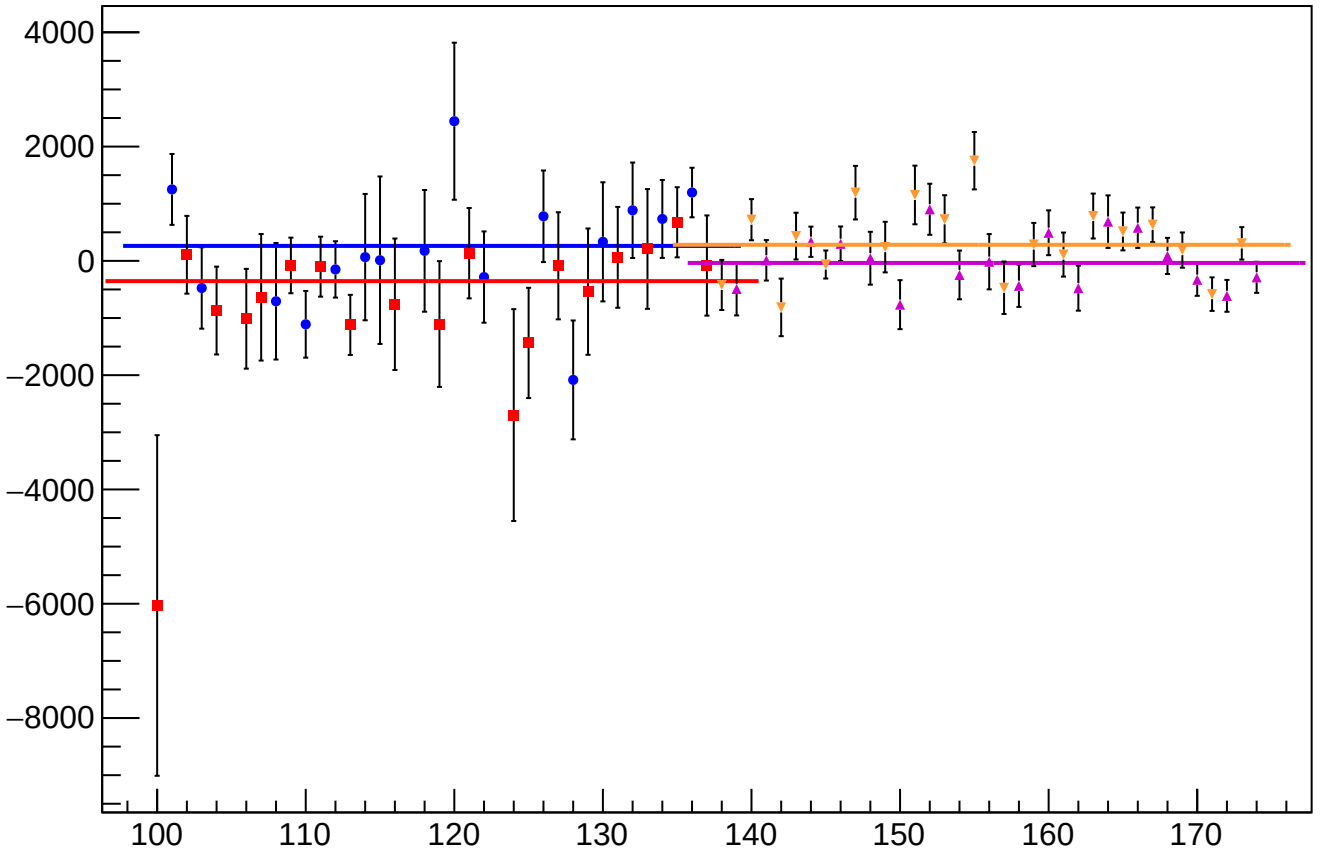
Left: 39.506+/-0.005 χ^2/NDF: 439491.4/36

Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.084+/-0.006 χ^2/NDF:930829.7/33

Out: 41.171+/-0.006 χ^2/NDF:933432.5/37

All: 41.128+/-0.004 χ^2/NDF: 1864357.7/71



Right In: 261.947+/-185.212 χ^2/NDF: 25.0/15

Left Out: 281.720+/-83.947 χ^2/NDF:42.4/18

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -36.107+/-83.133 χ^2/NDF:27.9/17

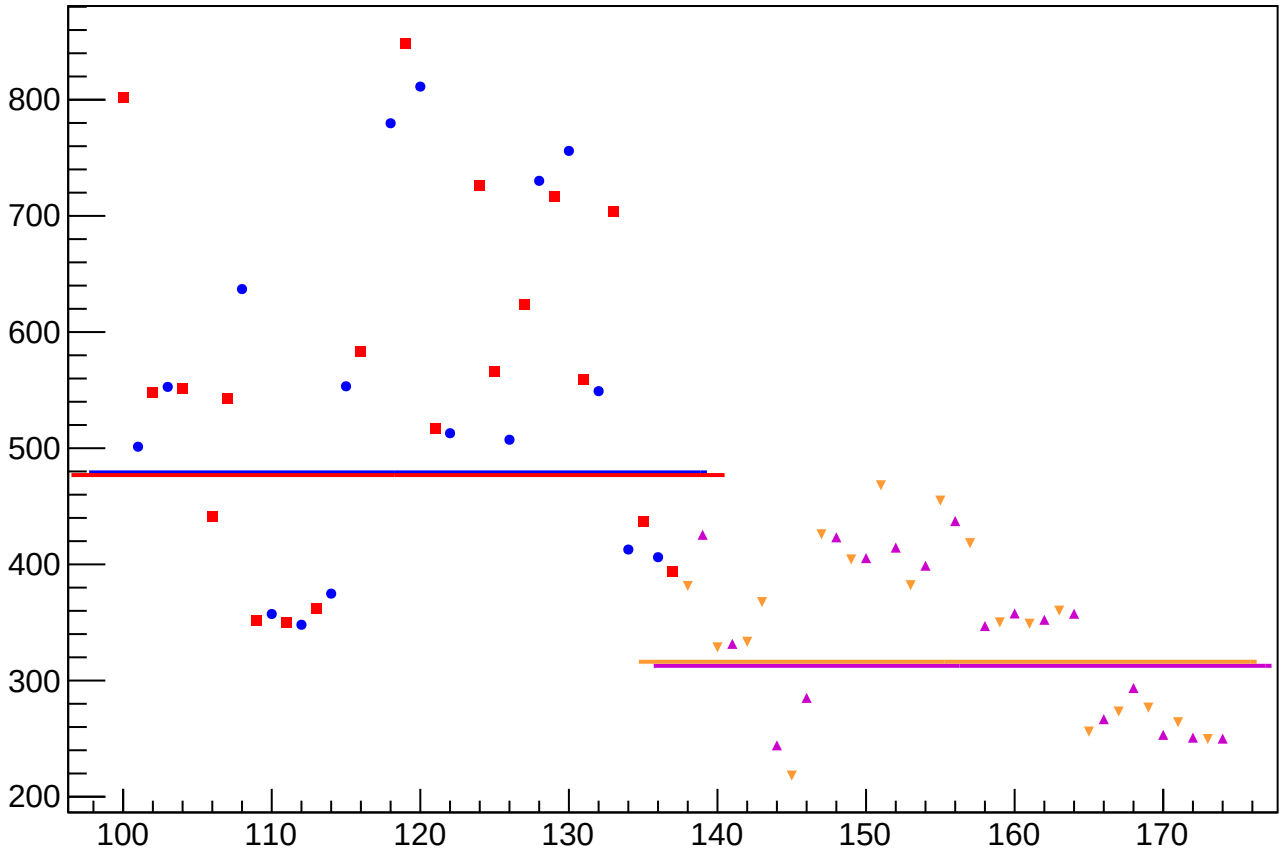
Left: 121.257+/-59.070 χ^2/NDF: 77.5/36

Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 13.872+/-75.843 χ^2/NDF:55.0/33

Out: 170.063+/-76.222 χ^2/NDF:67.7/37

All: 91.578+/-53.763 χ^2/NDF: 124.8/71



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430767.8/18

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

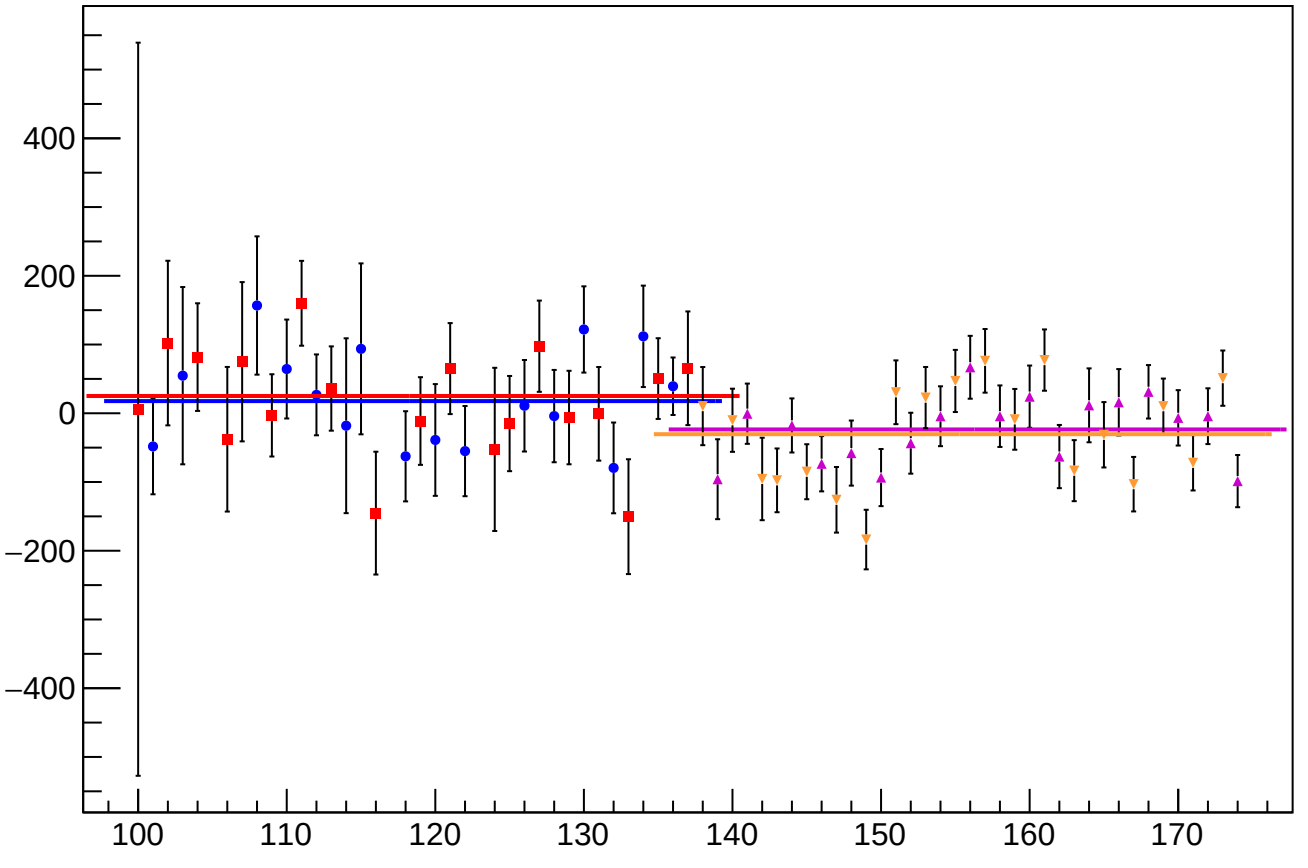
Left: 314.425+/-0.042 χ^2/NDF: 2650744.7/36

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 340.606+/-0.054 χ^2/NDF:3516077.8/33

Out: 344.412+/-0.054 χ^2/NDF:3721337.9/37

All: 342.499+/-0.038 χ^2/NDF: 7239921.6/71



Right In: 17.706+/-17.470 χ^2/NDF: 13.9/15

Left Out: -30.455+/-10.260 χ^2/NDF:50.8/18

Right Out: 25.145+/-17.339 χ^2/NDF: 18.0/18

Left In: -23.516+/-10.296 χ^2/NDF:20.5/17

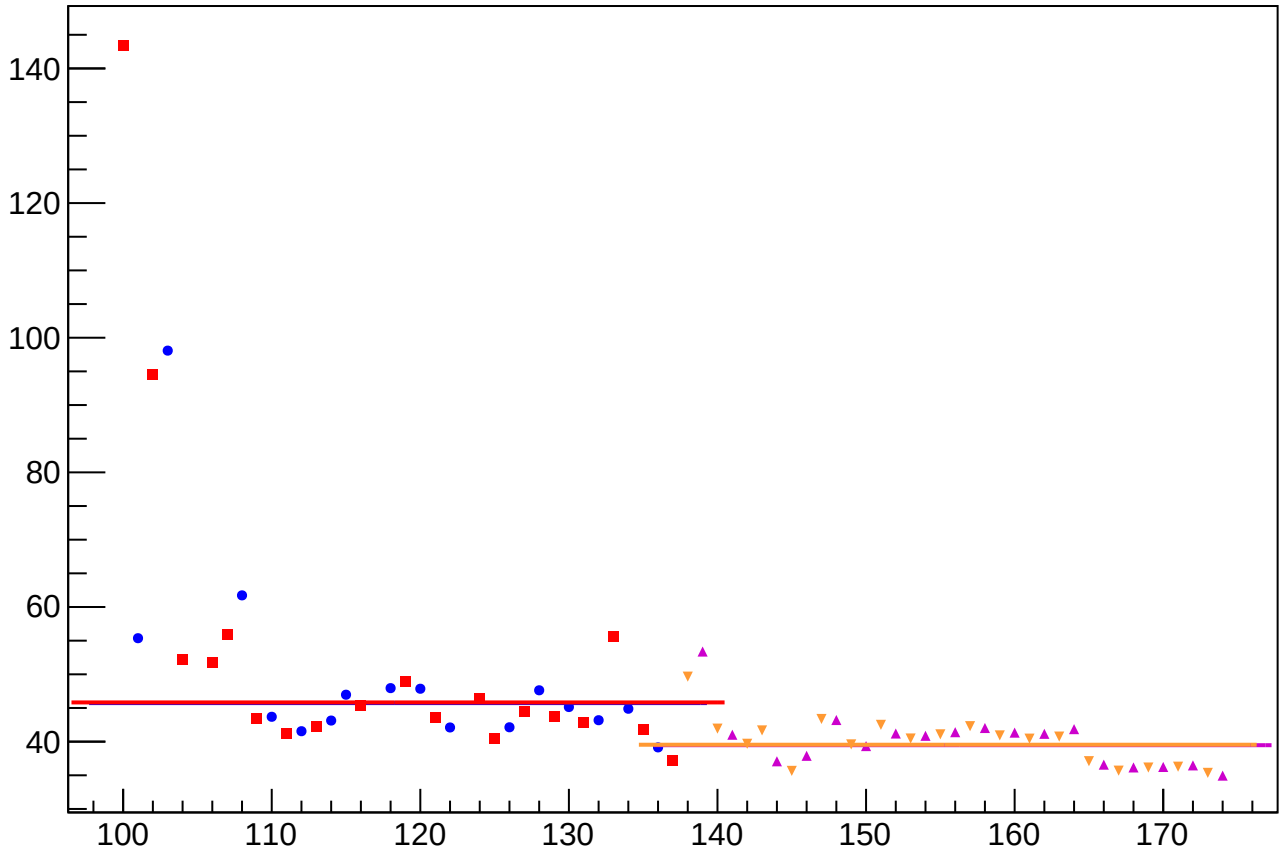
Left: -26.998+/-7.268 χ^2/NDF: 71.6/36

Right: 21.453+/-12.307 χ^2/NDF: 32.0/34

In: -12.890+/-8.870 χ^2/NDF:38.6/33

Out: -16.036+/-8.830 χ^2/NDF:76.4/37

All: -14.470+/-6.258 χ^2/NDF: 115.1/71



Right In: 45.727+/-0.012 χ^2/NDF: 501463.8/15

Left Out: 39.541+/-0.007 χ^2/NDF:200367.6/18

Right Out: 45.825+/-0.012 χ^2/NDF: 538470.5/18

Left In: 39.472+/-0.007 χ^2/NDF:239078.6/17

Left: 39.506+/-0.005 χ^2/NDF: 439491.4/36

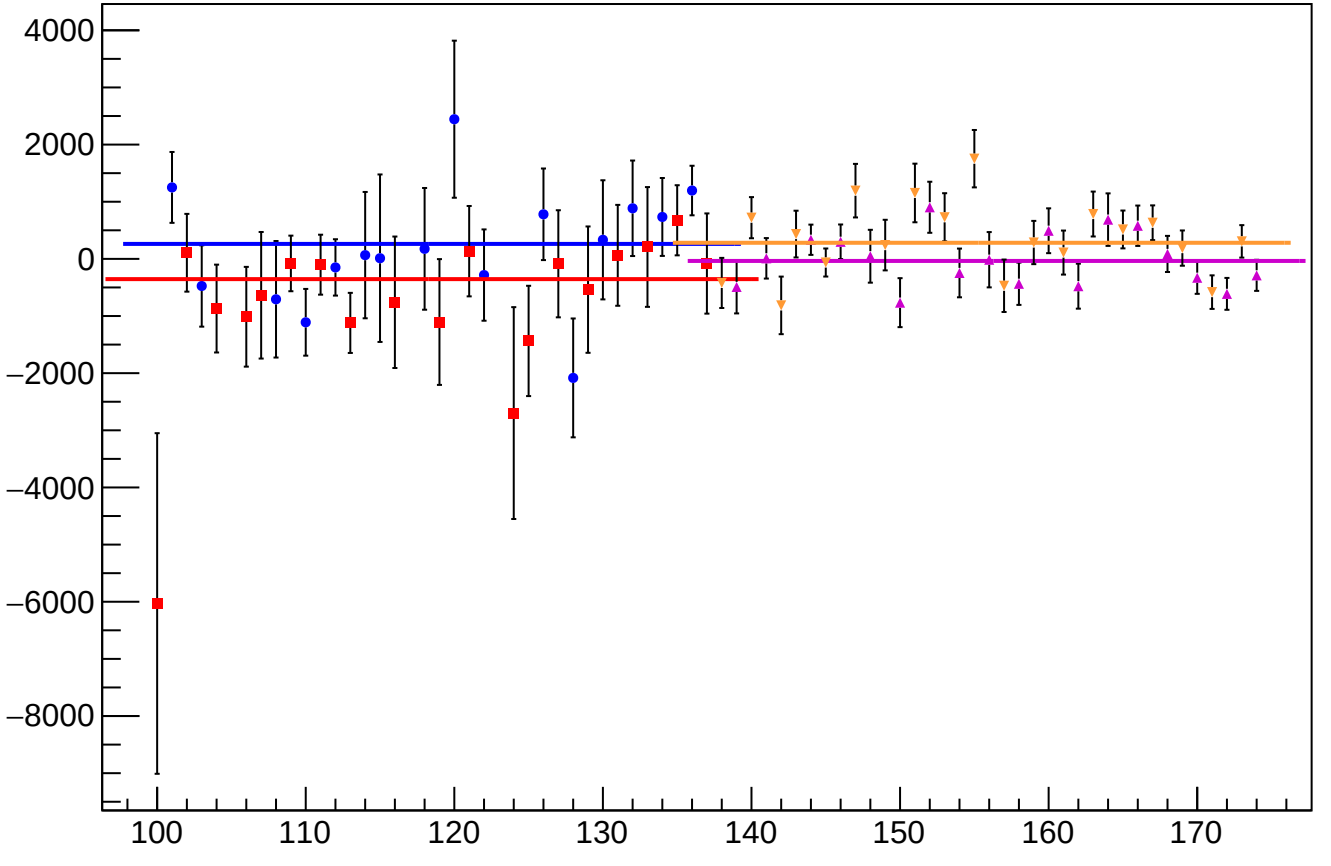
Right: 45.776+/-0.009 χ^2/NDF: 1039966.5/34

In: 41.084+/-0.006 χ^2/NDF:930829.7/33

Out: 41.171+/-0.006 χ^2/NDF:933432.5/37

All: 41.128+/-0.004 χ^2/NDF: 1864357.7/71

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: 281.720+/-83.947 χ^2/NDF:42.4/18

Right Out: -354.204+/-181.903 χ^2/NDF: 15.2/18

Left In: -36.107+/-83.133 χ^2/NDF:27.9/17

Left: 121.257+/-59.070 χ^2/NDF: 77.5/36

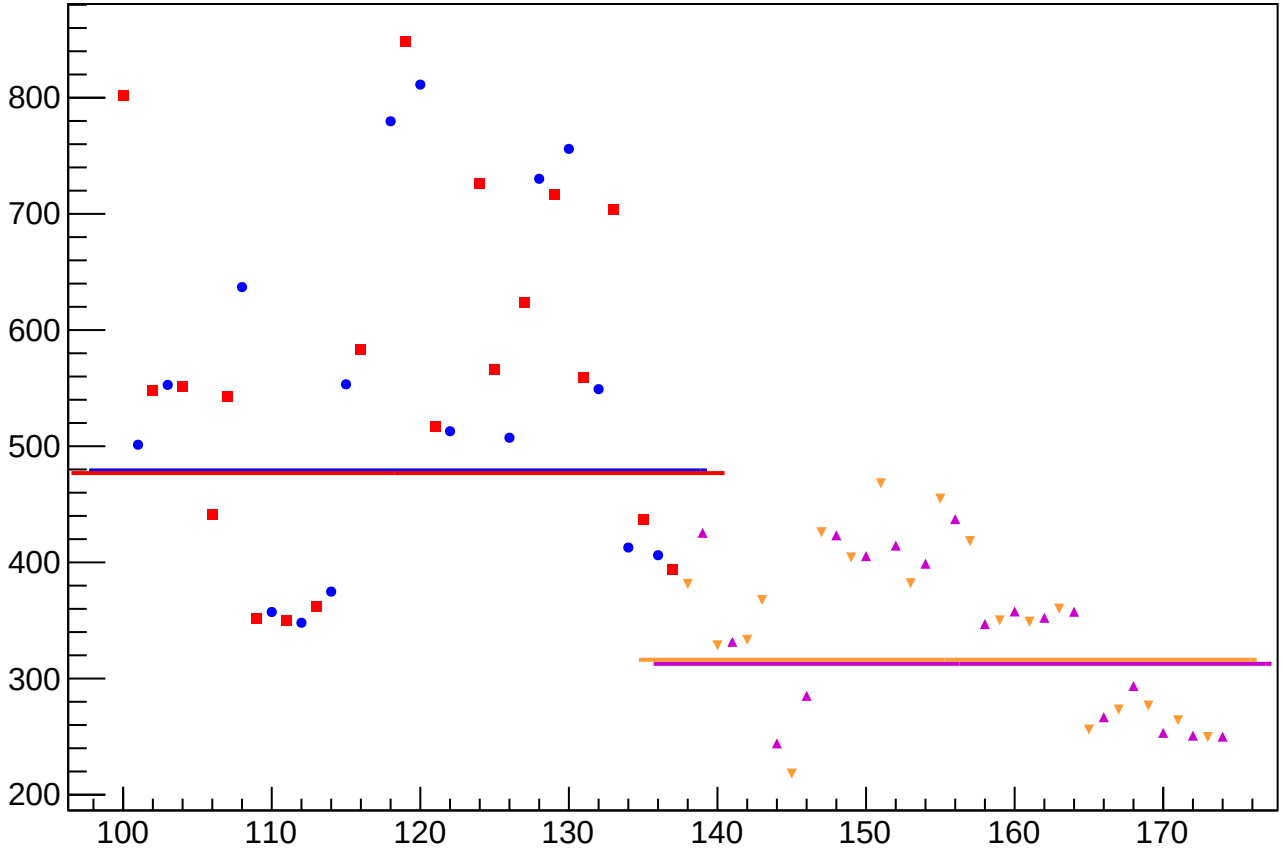
Right: -51.682+/-129.779 χ^2/NDF: 45.8/34

In: 13.872+/-75.843 χ^2/NDF:55.0/33

Out: 170.063+/-76.222 χ^2/NDF:67.7/37

All: 91.578+/-53.763 χ^2/NDF: 124.8/71

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 479.180+/-0.131 χ^2/NDF: 952722.6/15

Left Out: 316.196+/-0.059 χ^2/NDF:1430767.8/18

Right Out: 476.893+/-0.129 χ^2/NDF: 1003767.4/18

Left In: 312.688+/-0.059 χ^2/NDF:1218212.8/17

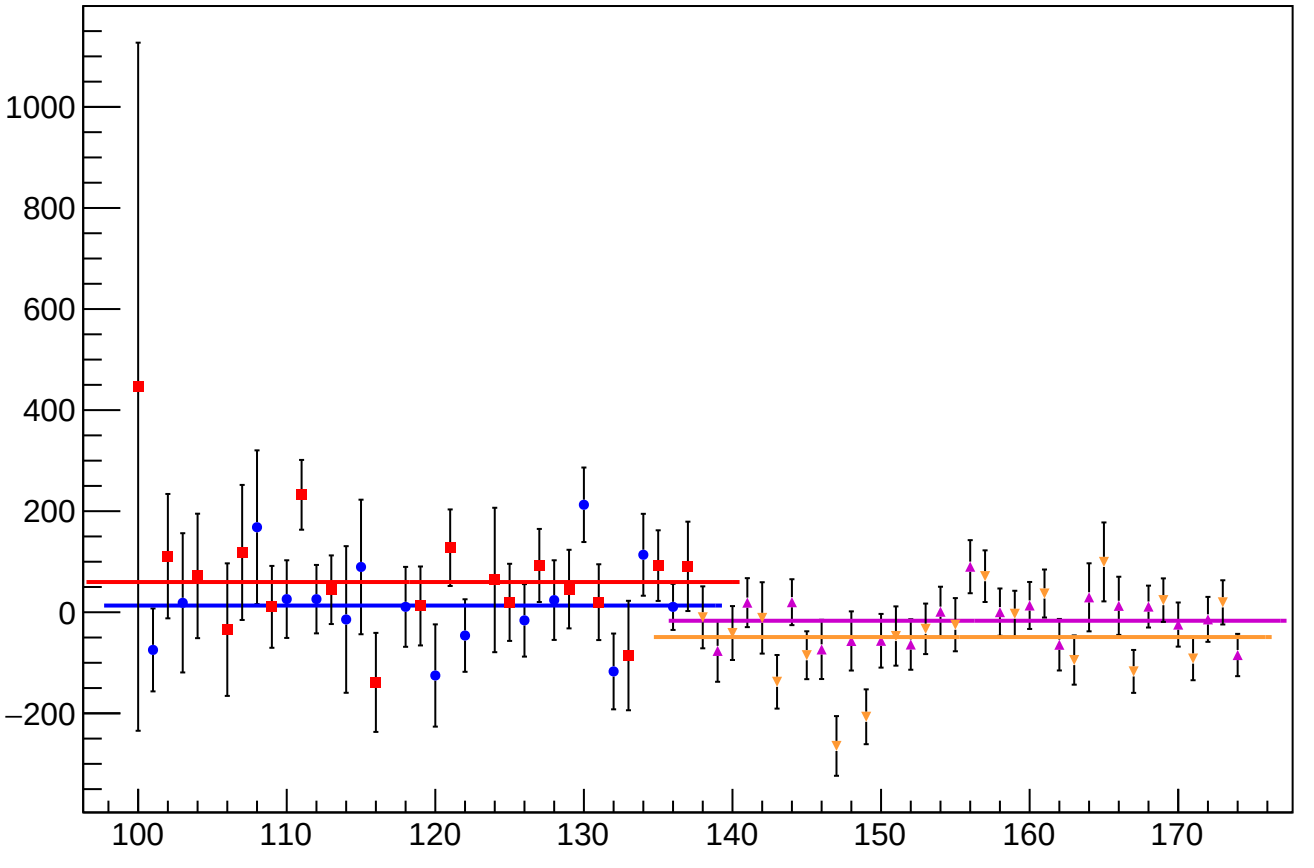
Left: 314.425+/-0.042 χ^2/NDF: 2650744.7/36

Right: 478.016+/-0.092 χ^2/NDF: 1956645.2/34

In: 340.606+/-0.054 χ^2/NDF:3516077.8/33

Out: 344.412+/-0.054 χ^2/NDF:3721337.9/37

All: 342.499+/-0.038 χ^2/NDF: 7239921.6/71



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.079+/-11.664 χ^2/NDF:49.4/18

Right Out: 59.810+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.817+/-11.706 χ^2/NDF:14.6/17

Left: -33.006+/-8.262 χ^2/NDF: 67.8/36

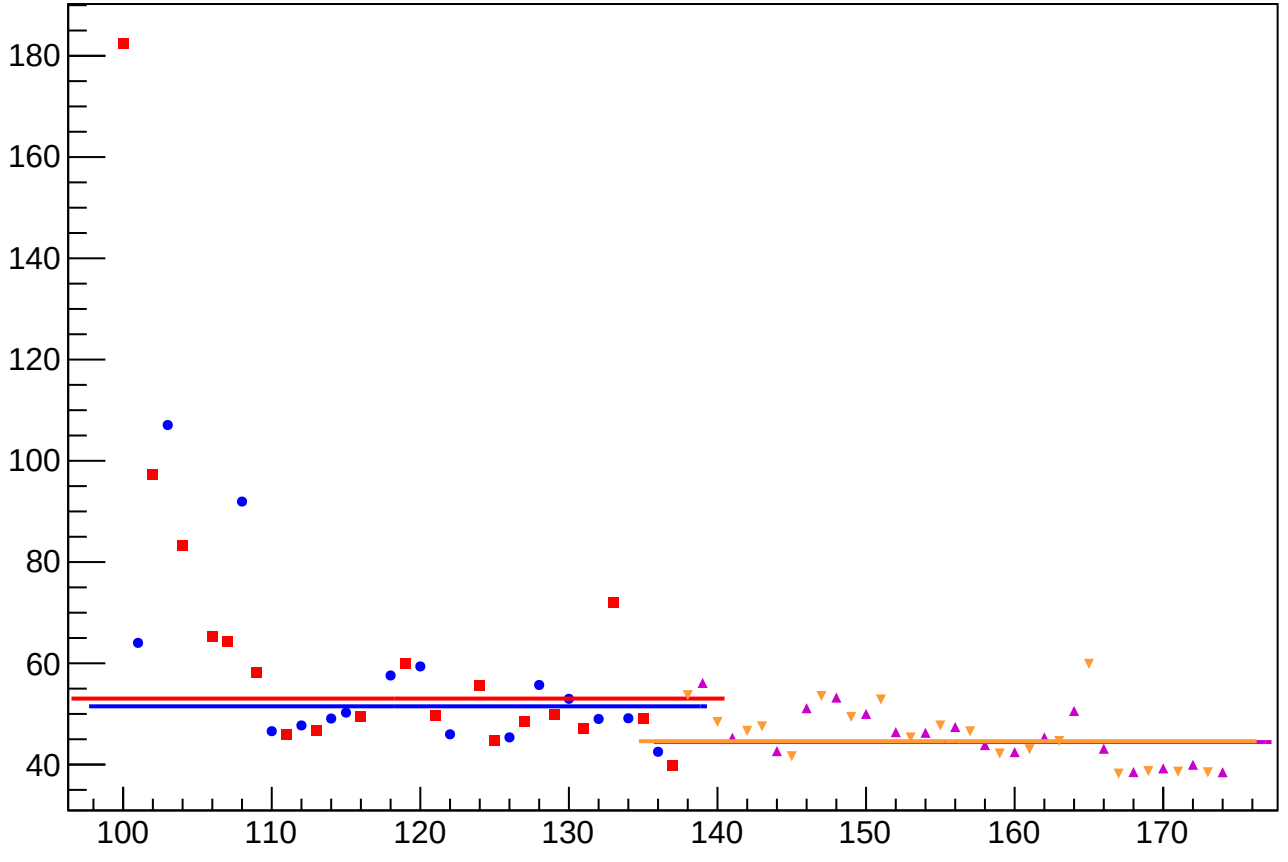
Right: 36.091+/-14.170 χ^2/NDF: 36.0/34

In: -9.055+/-10.083 χ^2/NDF:33.5/33

Out: -21.921+/-10.105 χ^2/NDF:87.2/37

All: -15.474+/-7.137 χ^2/NDF: 121.6/71

dit_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 51.506+/-0.014 χ^2/NDF: 667059.0/15

Left Out: 44.618+/-0.008 χ^2/NDF:427371.5/18

Right Out: 53.037+/-0.014 χ^2/NDF: 712908.4/18

Left In: 44.447+/-0.008 χ^2/NDF:334434.5/17

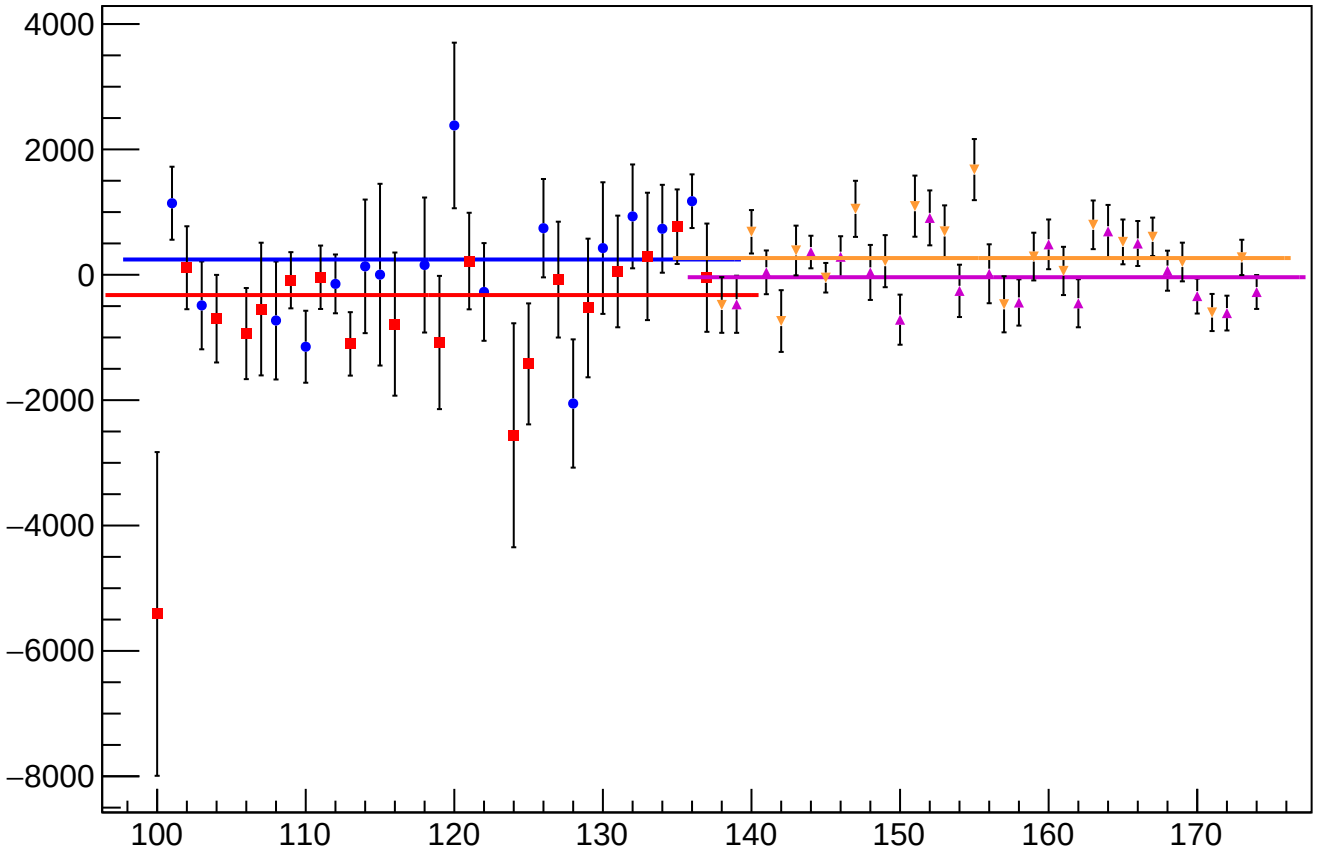
Left: 44.533+/-0.006 χ^2/NDF: 762018.6/36

Right: 52.257+/-0.010 χ^2/NDF: 1385808.8/34

In: 46.269+/-0.007 χ^2/NDF:1189128.3/33

Out: 46.718+/-0.007 χ^2/NDF:1400213.1/37

All: 46.493+/-0.005 χ^2/NDF: 2591320.3/71



Right In: 243.828+/-180.872 χ^2/NDF: 25.6/15

Left Out: 266.683+/-83.013 χ^2/NDF:41.0/18

Right Out: -323.628+/-173.632 χ^2/NDF: 16.5/18

Left In: -38.861+/-82.376 χ^2/NDF:27.9/17

Left: 112.734+/-58.473 χ^2/NDF: 75.7/36

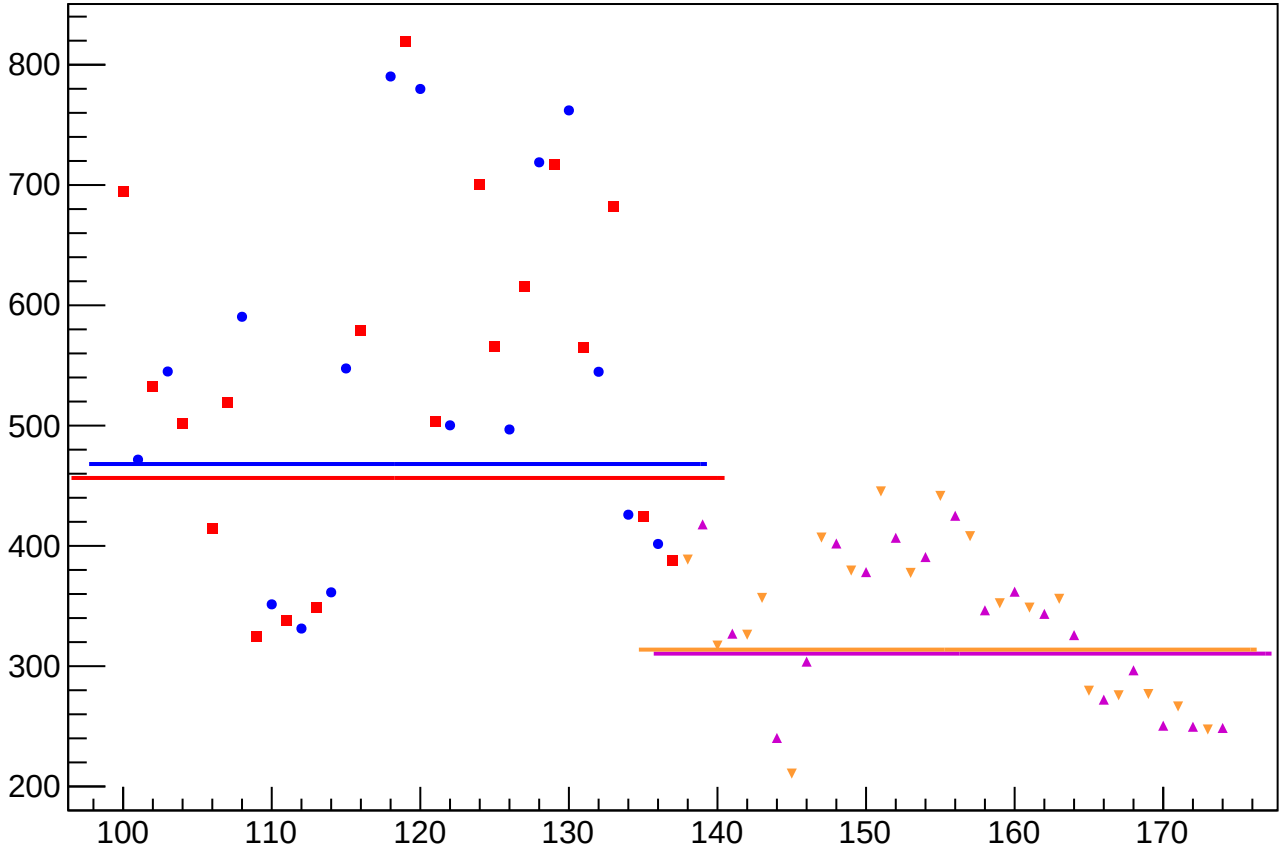
Right: -51.485+/-125.258 χ^2/NDF: 47.2/34

In: 9.703+/-74.967 χ^2/NDF:55.5/33

Out: 156.855+/-74.894 χ^2/NDF:66.9/37

All: 83.351+/-52.984 χ^2/NDF: 124.3/71

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.066+/-0.128 χ^2/NDF: 982915.0/15

Left Out: 313.771+/-0.059 χ^2/NDF:1319609.8/18

Right Out: 456.468+/-0.123 χ^2/NDF: 1082568.2/18

Left In: 310.437+/-0.058 χ^2/NDF:1085947.1/17

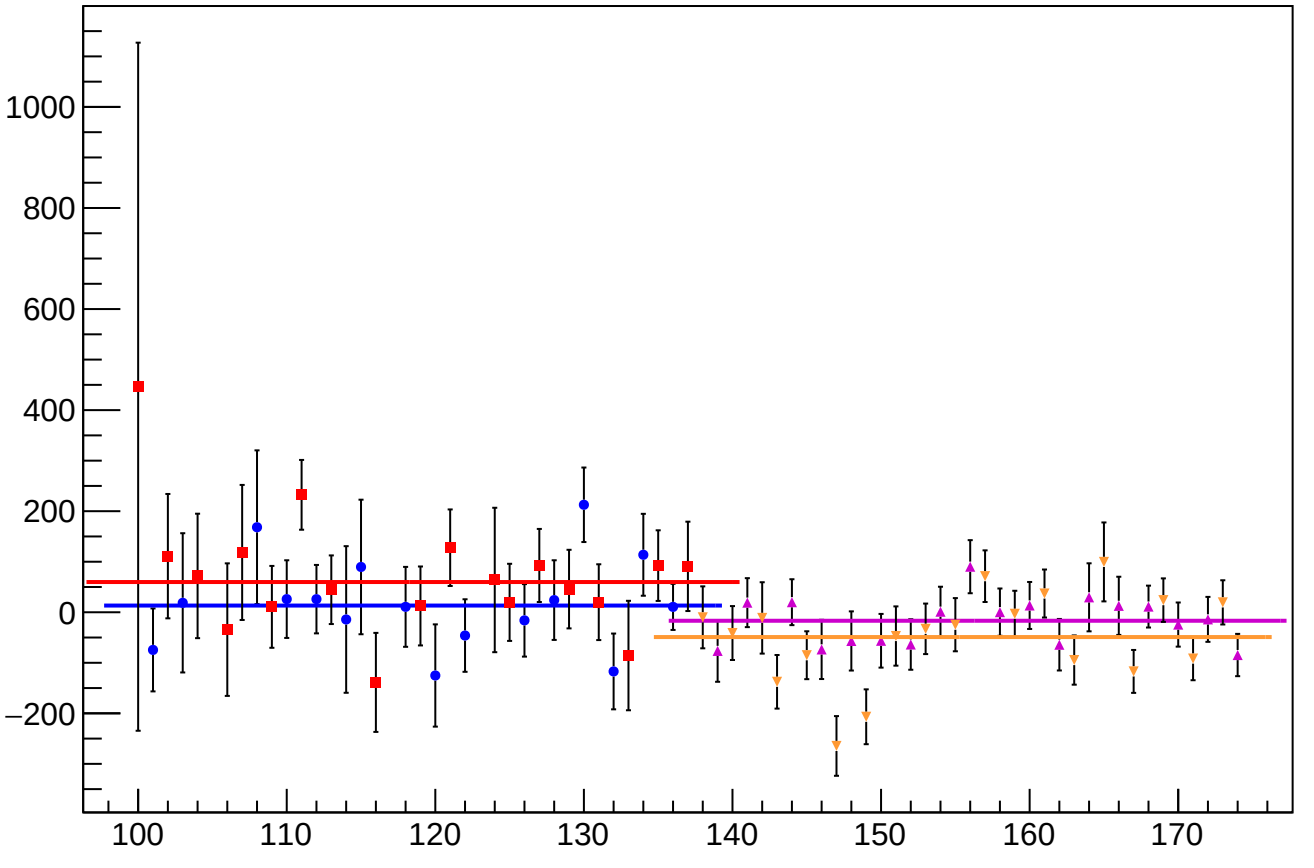
Left: 312.091+/-0.041 χ^2/NDF: 2407182.3/36

Right: 462.030+/-0.089 χ^2/NDF: 2069762.6/34

In: 337.516+/-0.053 χ^2/NDF:3326909.3/33

Out: 340.320+/-0.053 χ^2/NDF:3501683.3/37

All: 338.920+/-0.037 χ^2/NDF: 6829992.8/71



Right In: 13.266+/-19.849 χ^2/NDF: 17.2/15

Left Out: -49.079+/-11.664 χ^2/NDF:49.4/18

Right Out: 59.811+/-20.234 χ^2/NDF: 16.1/18

Left In: -16.817+/-11.706 χ^2/NDF:14.6/17

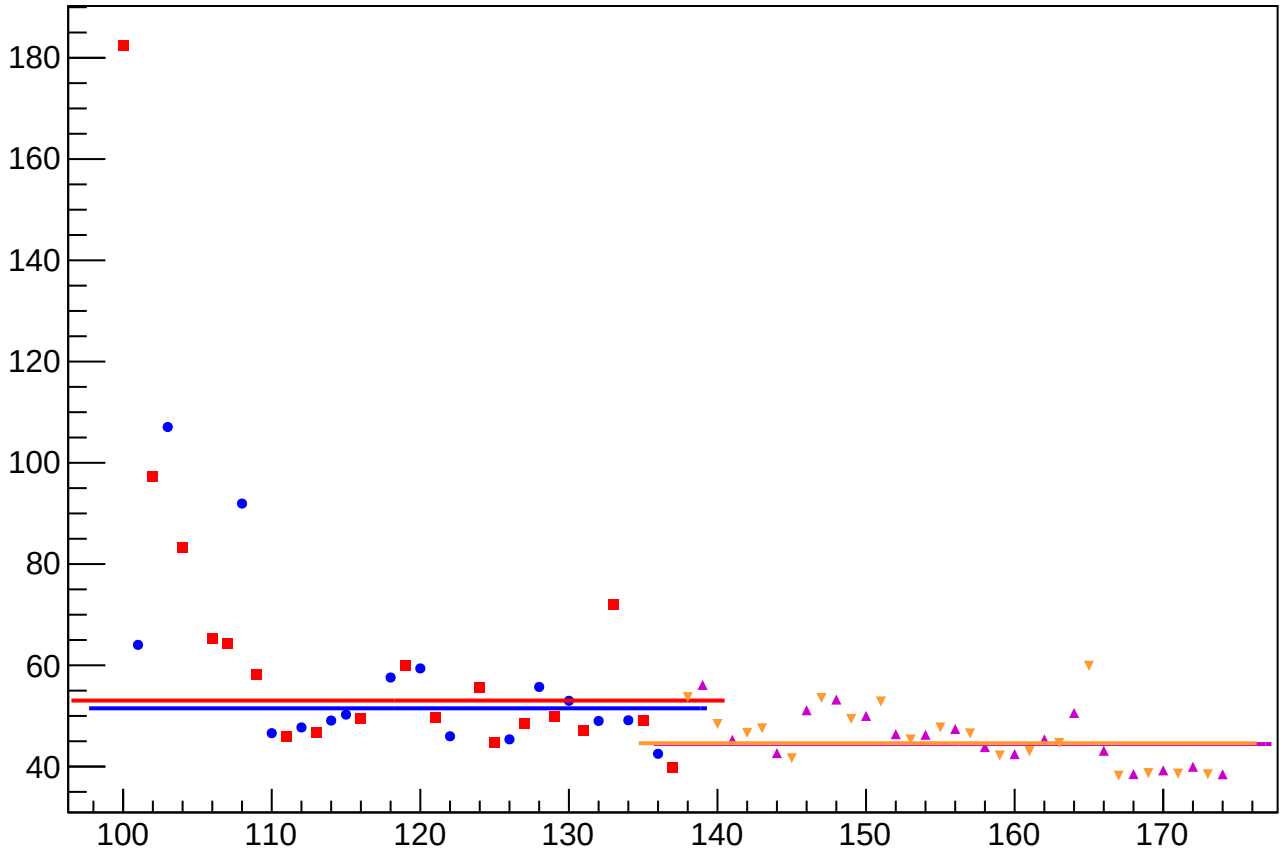
Left: -33.006+/-8.262 χ^2/NDF: 67.8/36

Right: 36.092+/-14.170 χ^2/NDF: 36.0/34

In: -9.054+/-10.083 χ^2/NDF:33.5/33

Out: -21.921+/-10.105 χ^2/NDF:87.2/37

All: -15.474+/-7.137 χ^2/NDF: 121.6/71



Right In: 51.506+/-0.014 χ^2/NDF: 667064.6/15

Left Out: 44.618+/-0.008 χ^2/NDF:427374.8/18

Right Out: 53.037+/-0.014 χ^2/NDF: 712918.4/18

Left In: 44.447+/-0.008 χ^2/NDF:334433.8/17

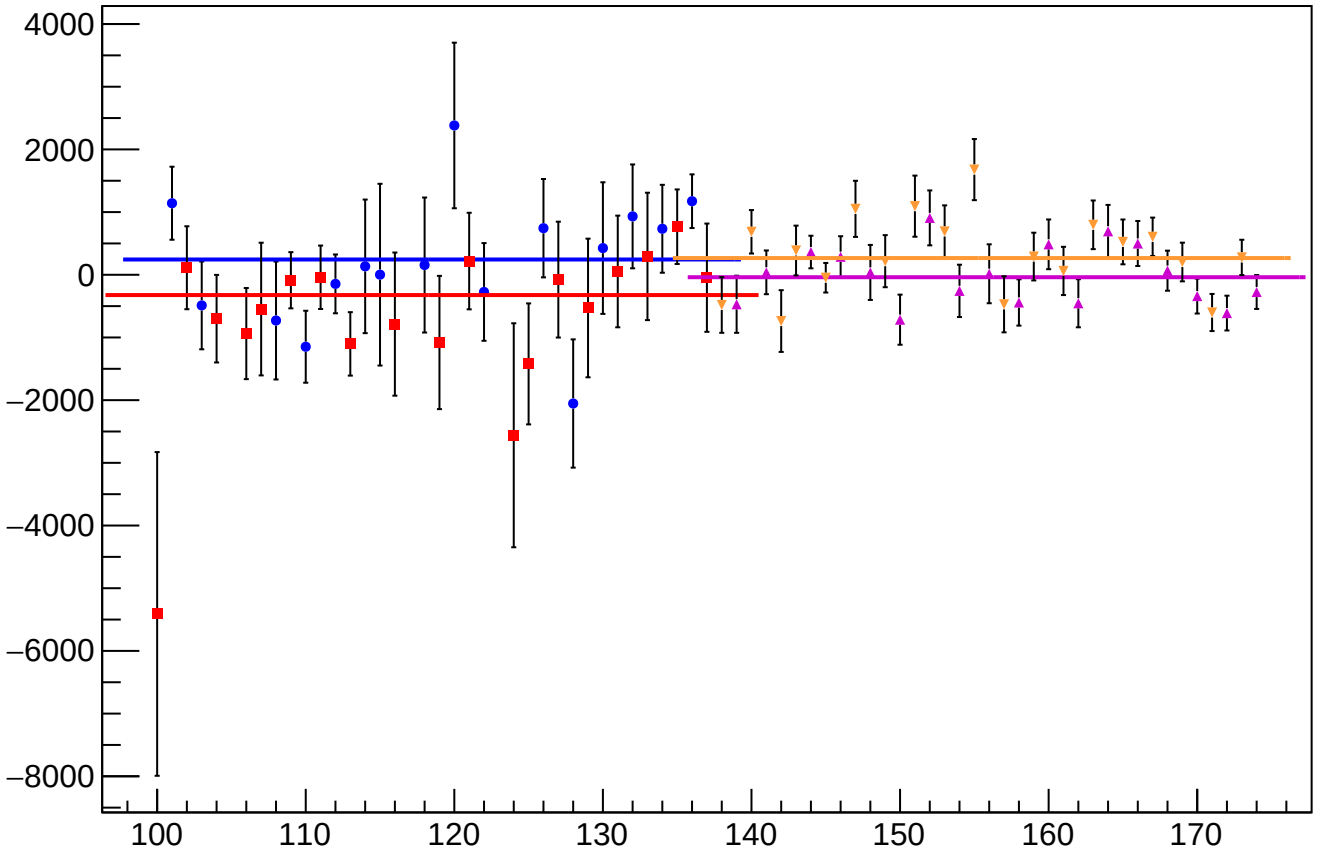
Left: 44.533+/-0.006 χ^2/NDF: 762021.2/36

Right: 52.257+/-0.010 χ^2/NDF: 1385824.6/34

In: 46.269+/-0.007 χ^2/NDF:1189131.8/33

Out: 46.718+/-0.007 χ^2/NDF:1400226.4/37

All: 46.493+/-0.005 χ^2/NDF: 2591337.1/71



Right In: 243.826+/-180.872 χ^2/NDF: 25.6/15

Left Out: 266.684+/-83.013 χ^2/NDF:41.0/18

Right Out: -323.628+/-173.631 χ^2/NDF: 16.5/18

Left In: -38.860+/-82.376 χ^2/NDF:27.9/17

Left: 112.735+/-58.473 χ^2/NDF: 75.7/36

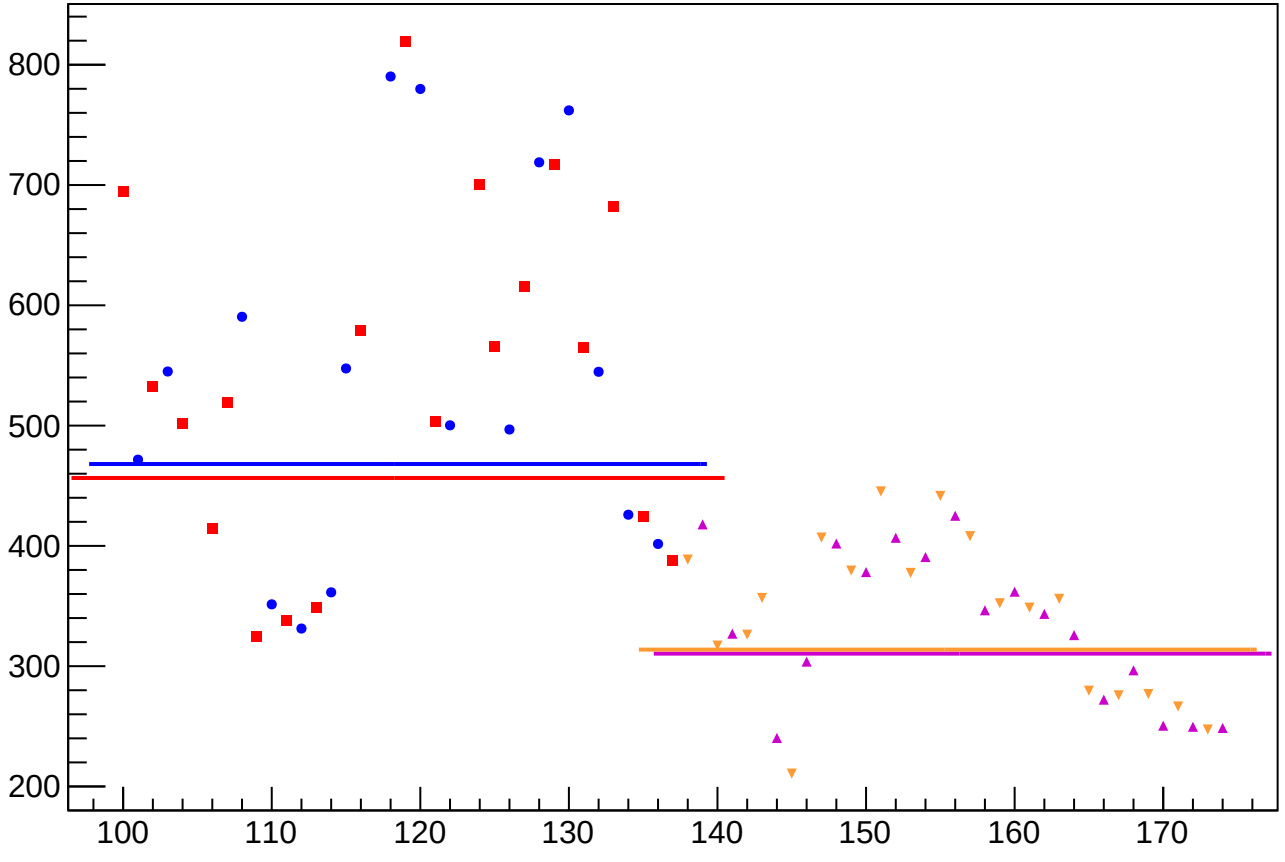
Right: -51.485+/-125.257 χ^2/NDF: 47.2/34

In: 9.703+/-74.967 χ^2/NDF:55.5/33

Out: 156.855+/-74.894 χ^2/NDF:66.9/37

All: 83.351+/-52.984 χ^2/NDF: 124.3/71

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 468.065+/-0.128 χ^2/NDF: 982915.8/15

Left Out: 313.771+/-0.059 χ^2/NDF:1319606.2/18

Right Out: 456.467+/-0.123 χ^2/NDF: 1082565.2/18

Left In: 310.438+/-0.058 χ^2/NDF:1085939.3/17

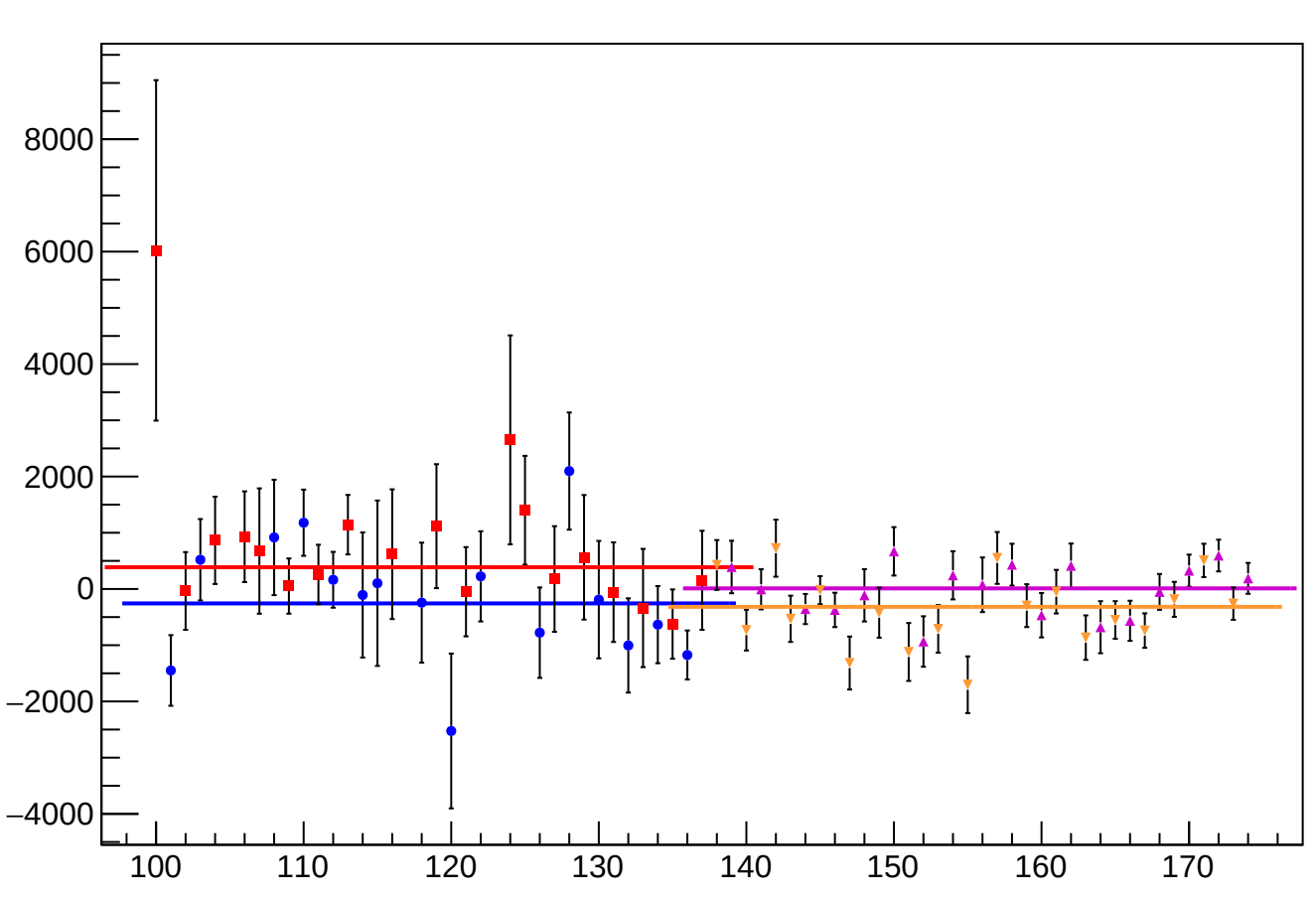
Left: 312.092+/-0.041 χ^2/NDF: 2407170.9/36

Right: 462.029+/-0.089 χ^2/NDF: 2069760.5/34

In: 337.517+/-0.053 χ^2/NDF:3326885.5/33

Out: 340.320+/-0.053 χ^2/NDF:3501663.8/37

All: 338.920+/-0.037 χ^2/NDF: 6829949.3/71



Right In: -256.748+/-186.462 χ^2/NDF: 26.9/15

Left Out: -317.776+/-84.646 χ^2/NDF:41.8/18

Right Out: 386.449+/-182.363 χ^2/NDF: 14.2/18

Left In: 10.548+/-83.835 χ^2/NDF:25.8/17

Left: -152.033+/-59.565 χ^2/NDF: 75.2/36

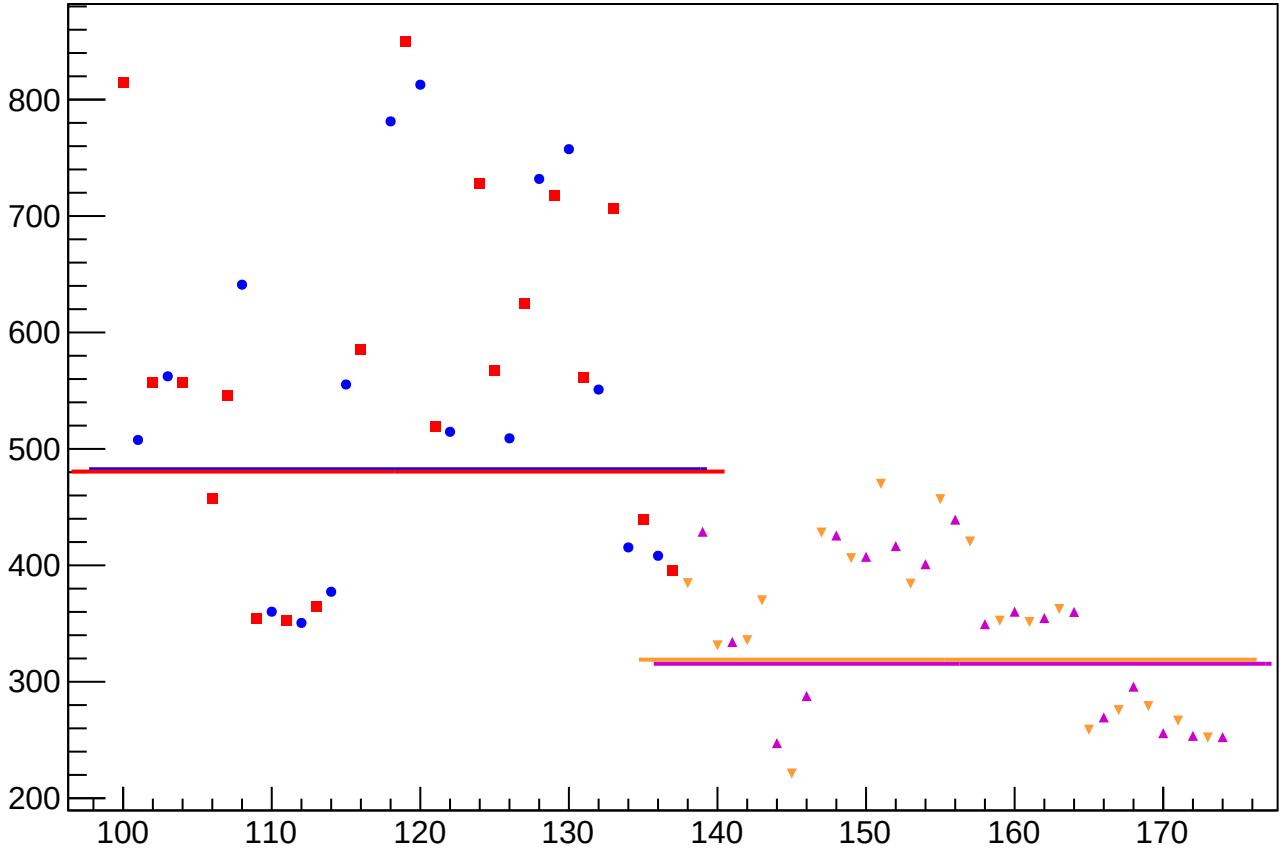
Right: 71.997+/-130.375 χ^2/NDF: 47.2/34

In: -34.399+/-76.462 χ^2/NDF:54.5/33

Out: -192.947+/-76.778 χ^2/NDF:68.3/37

All: -113.345+/-54.178 χ^2/NDF: 124.9/71

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 482.512+/-0.132 χ^2/NDF: 946526.1/15

Left Out: 319.014+/-0.060 χ^2/NDF:1400547.7/18

Right Out: 480.559+/-0.129 χ^2/NDF: 993796.3/18

Left In: 315.486+/-0.059 χ^2/NDF:1194019.0/17

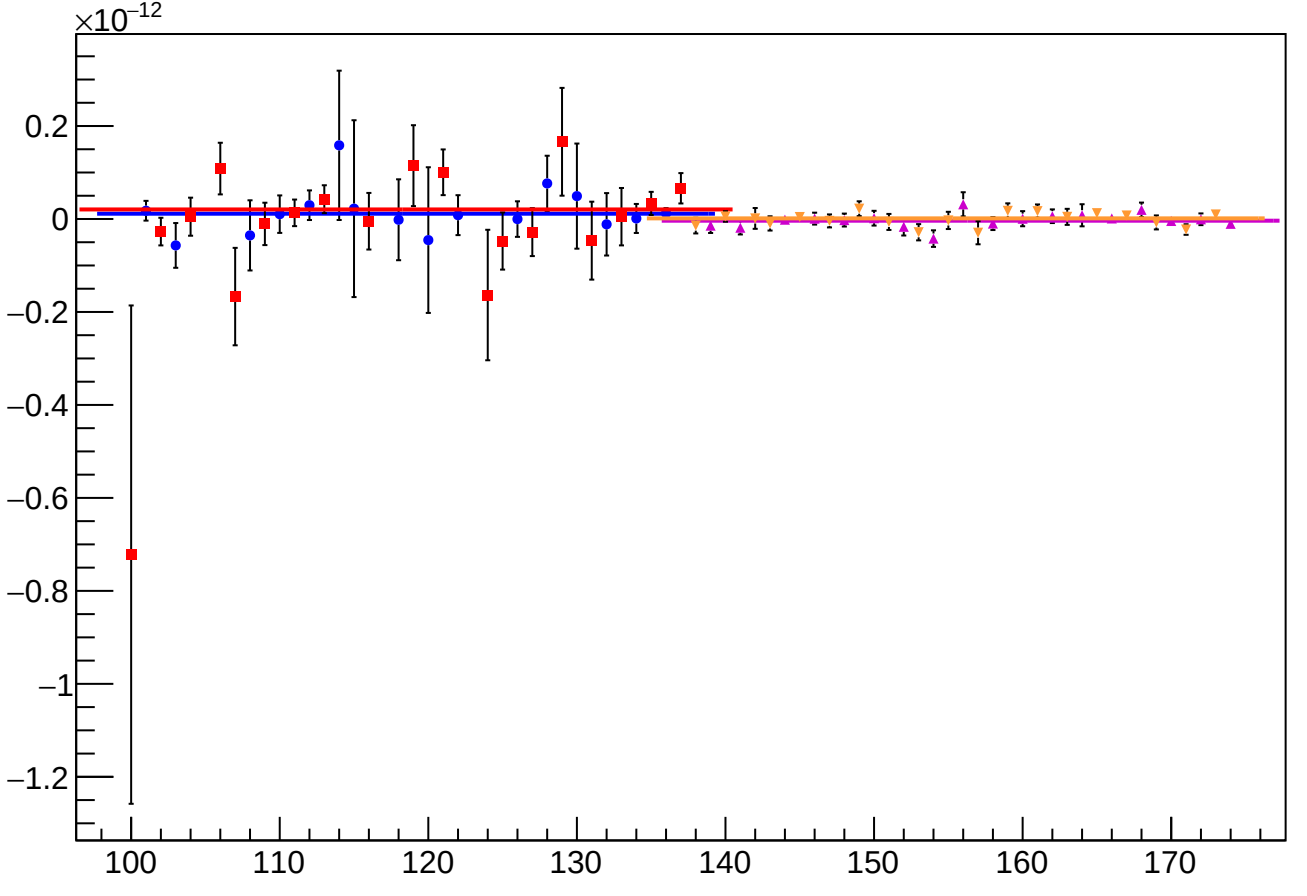
Left: 317.233+/-0.042 χ^2/NDF: 2596320.4/36

Right: 481.514+/-0.092 χ^2/NDF: 1940434.6/34

In: 343.573+/-0.054 χ^2/NDF:3475480.6/33

Out: 347.649+/-0.054 χ^2/NDF:3685587.5/37

All: 345.603+/-0.038 χ^2/NDF: 7163898.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 5.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.7/18

Left In: -0.000+/-0.000 χ^2/NDF:12.7/17

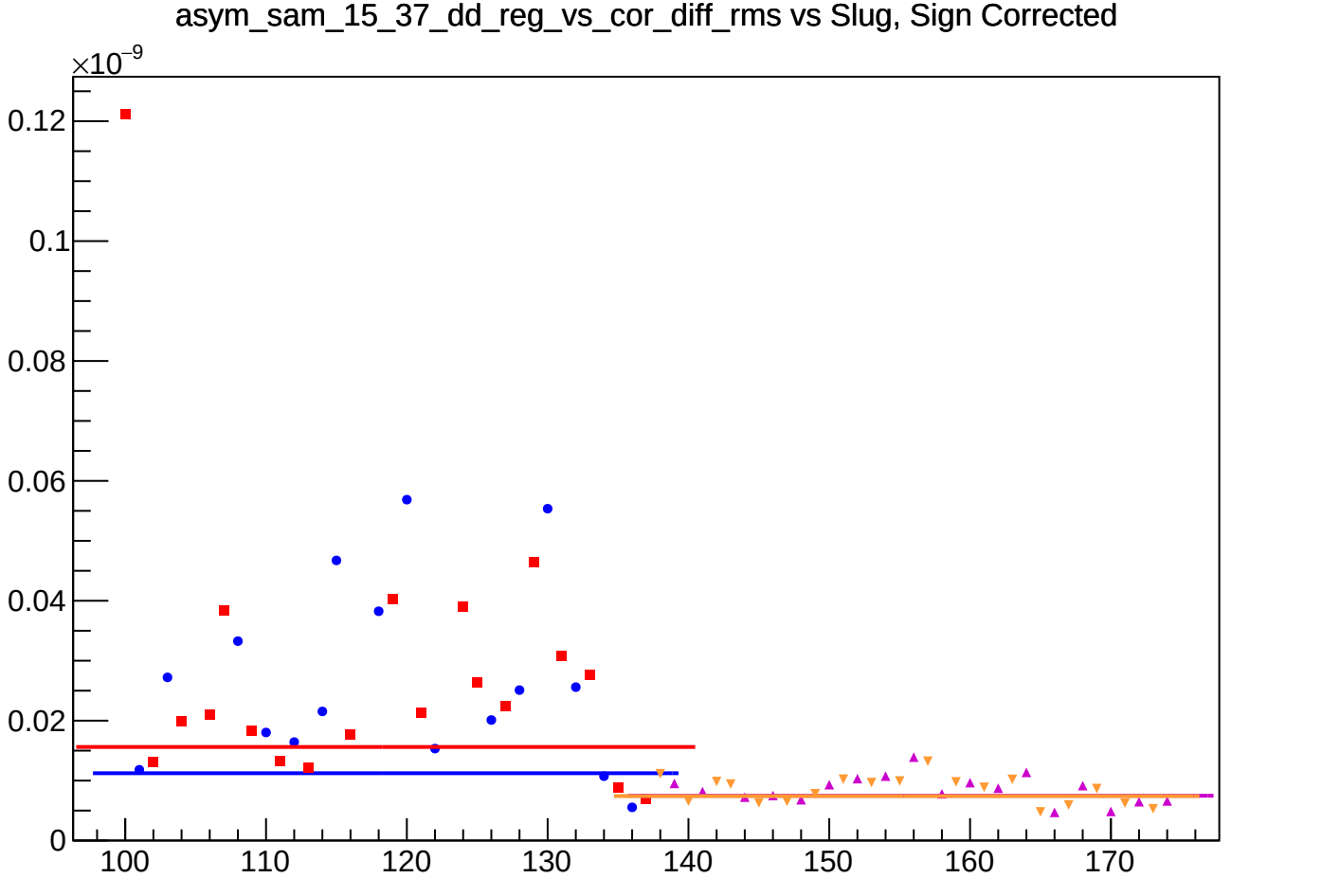
Left: -0.000+/-0.000 χ^2/NDF: 31.2/36

Right: 0.000+/-0.000 χ^2/NDF: 29.7/34

In: -0.000+/-0.000 χ^2/NDF:21.1/33

Out: 0.000+/-0.000 χ^2/NDF:44.3/37

All: 0.000+/-0.000 χ^2/NDF: 66.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 2103068.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:847307.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1184320.2/18

Left In: 0.000+/-0.000 χ^2/NDF:768616.0/17

Left: 0.000+/-0.000 χ^2/NDF: 1616279.9/36

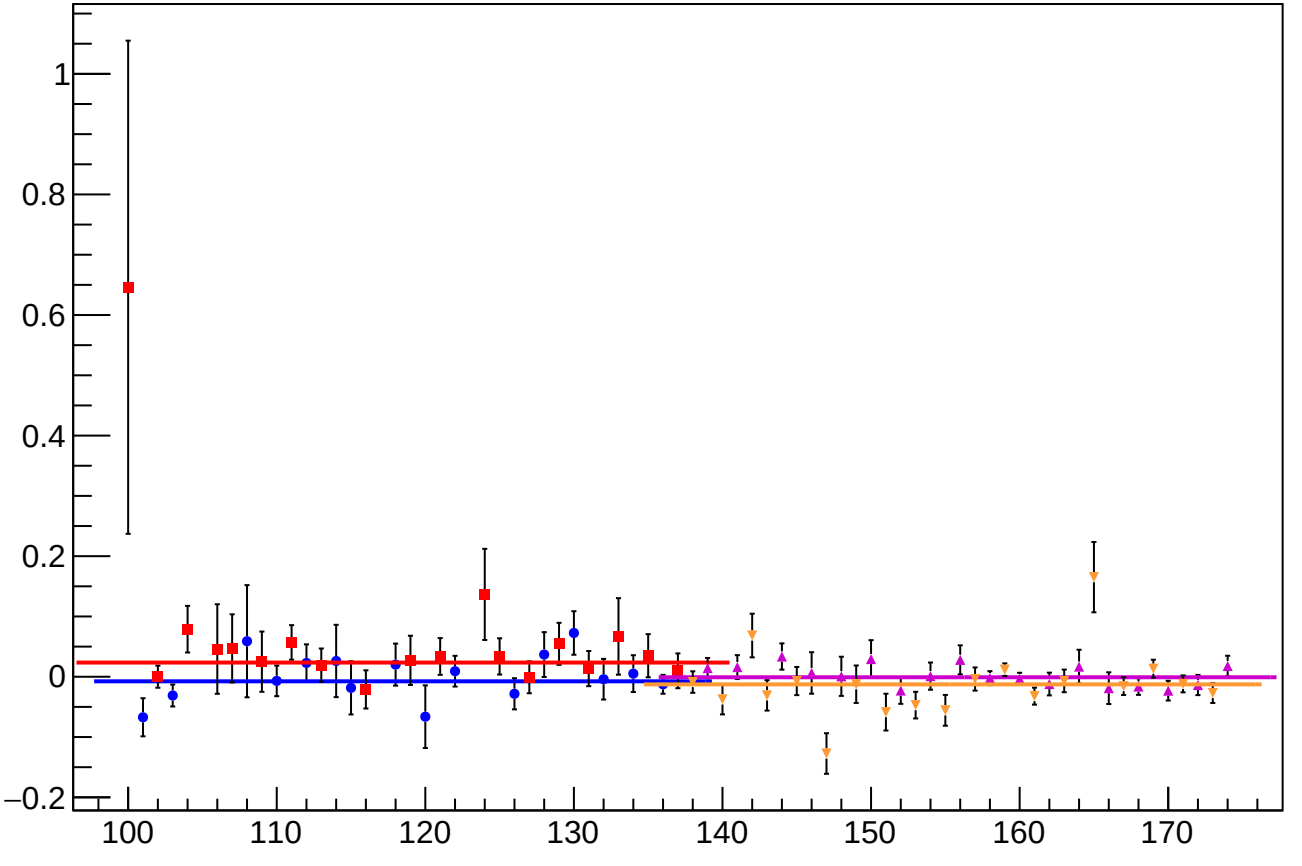
Right: 0.000+/-0.000 χ^2/NDF: 3514192.9/34

In: 0.000+/-0.000 χ^2/NDF:3251680.3/33

Out: 0.000+/-0.000 χ^2/NDF:3199468.6/37

All: 0.000+/-0.000 χ^2/NDF: 6452583.1/71

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

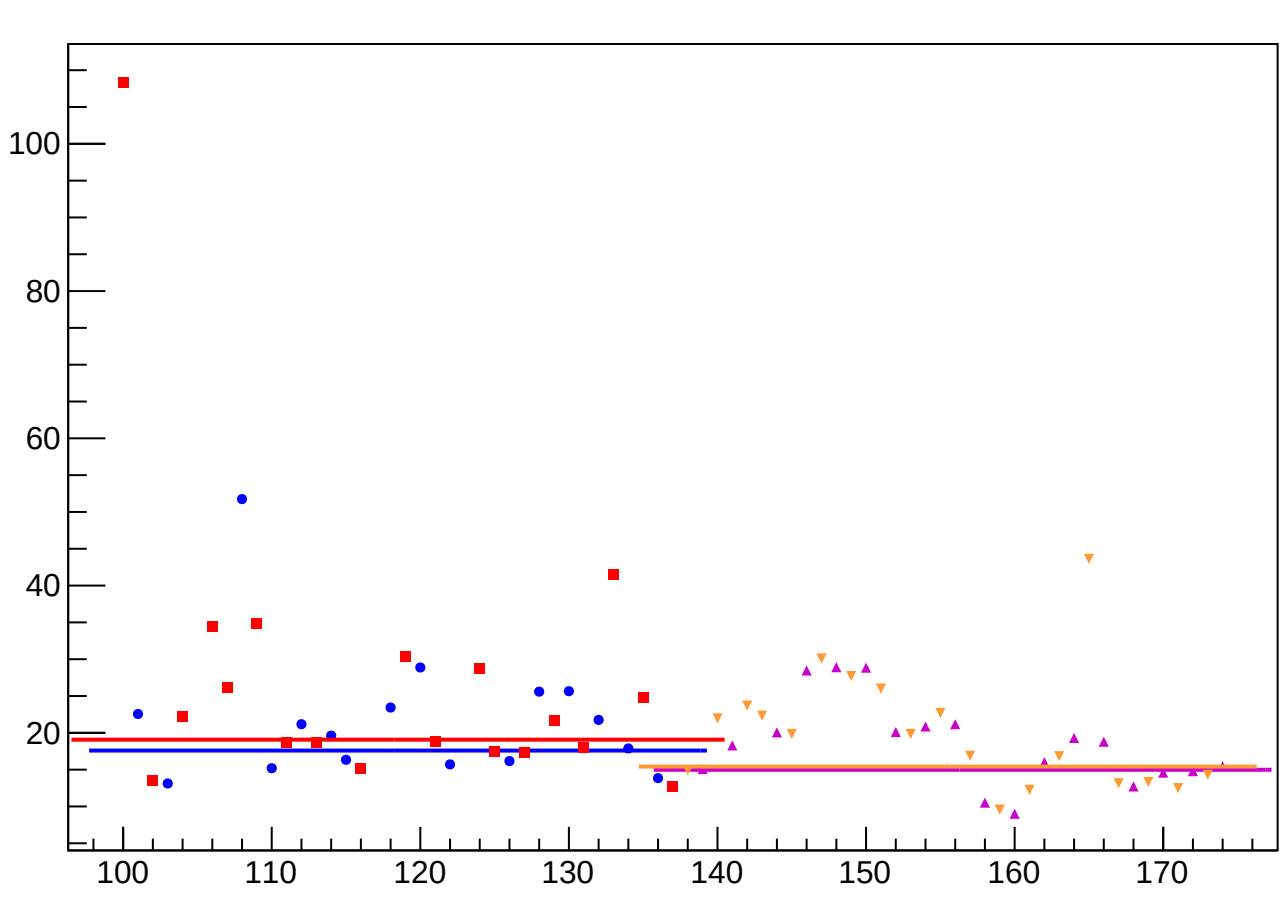
Left: -0.007+/-0.003 χ^2/NDF: 64.0/36

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.003+/-0.003 χ^2/NDF: 108.9/71



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.418+/-0.003 χ^2/NDF:3045528.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

Left: 15.195+/-0.002 χ^2/NDF: 5824002.9/36

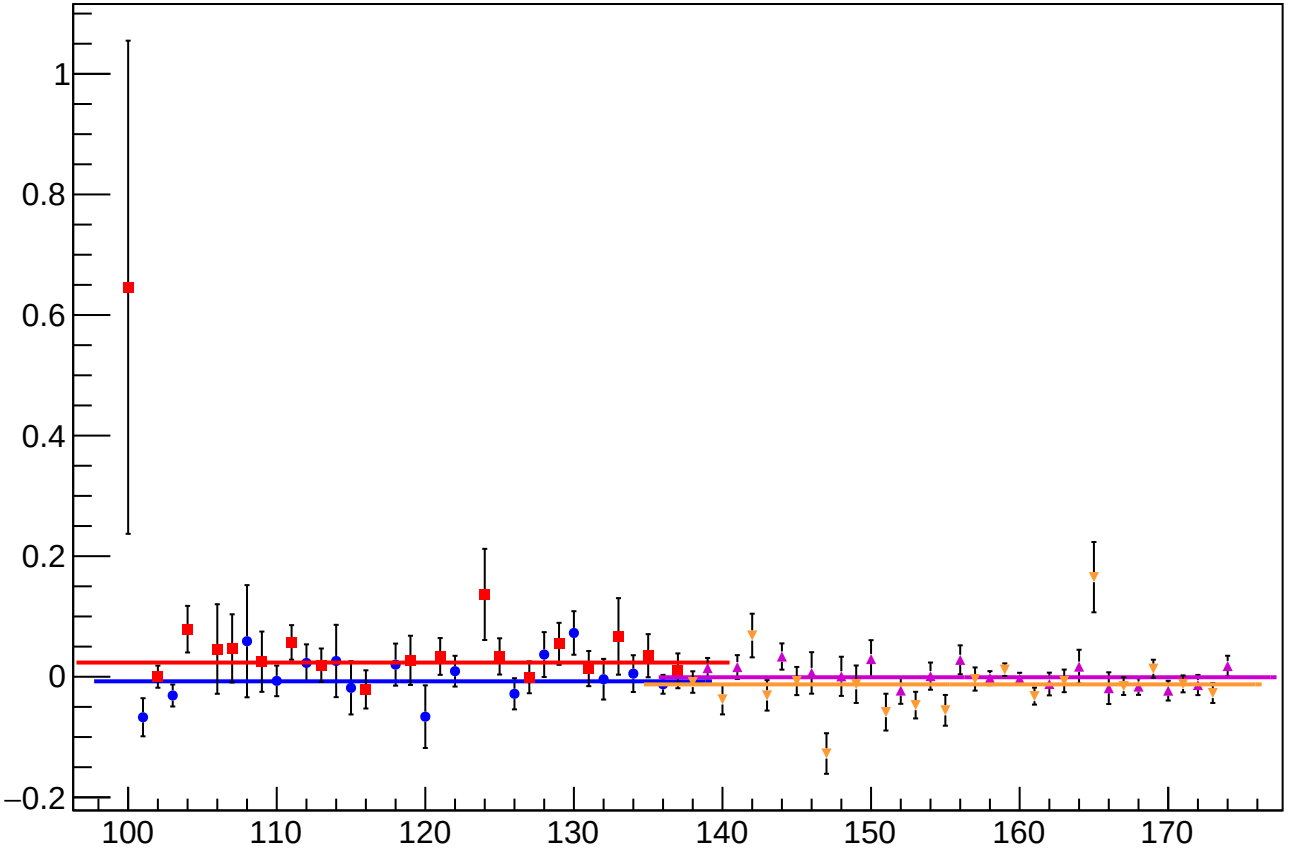
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.653+/-0.003 χ^2/NDF:3956435.6/33

Out: 16.289+/-0.003 χ^2/NDF:4632747.8/37

All: 15.960+/-0.002 χ^2/NDF: 8618411.6/71

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

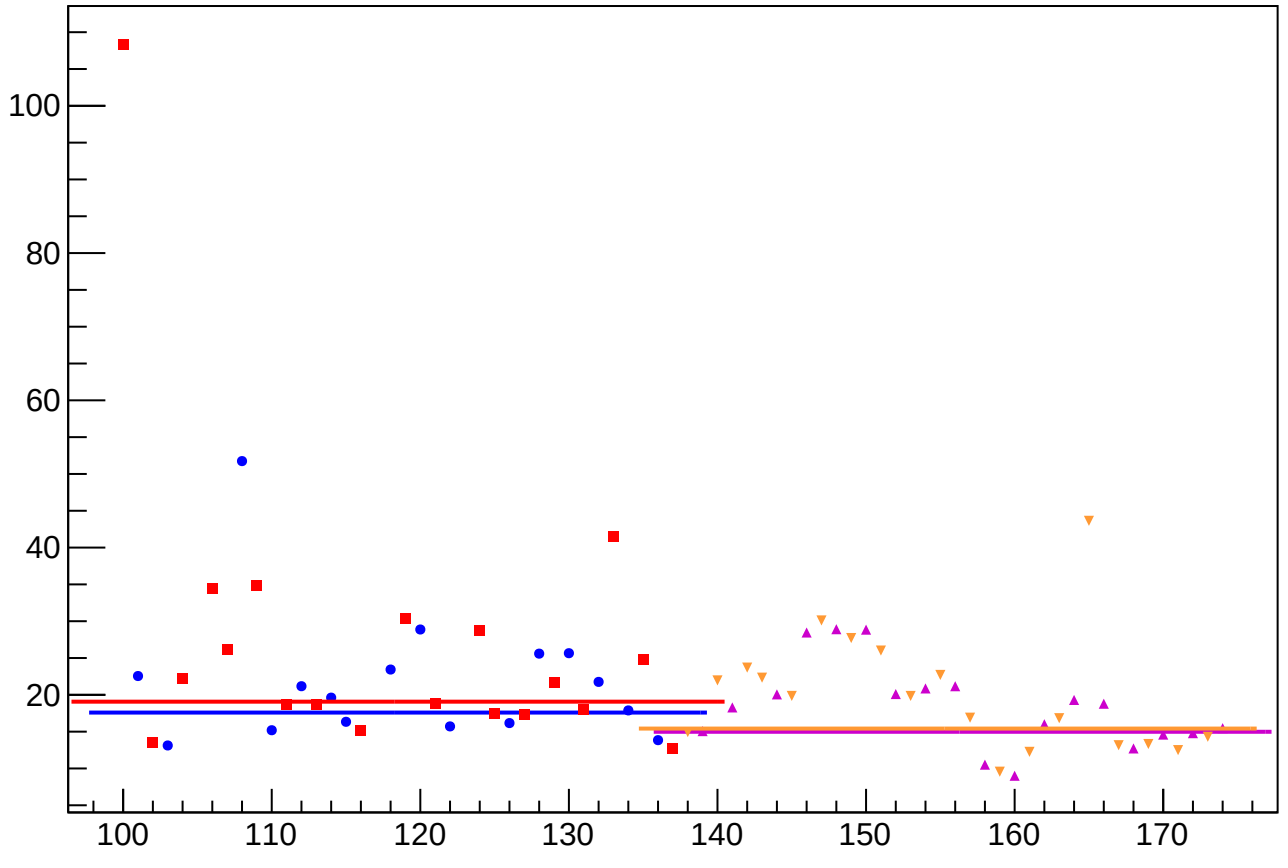
Left: -0.007+/-0.003 χ^2/NDF: 64.0/36

Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.003+/-0.003 χ^2/NDF: 108.9/71



Right In: 17.591+/-0.005 χ^2/NDF: 993249.5/15

Left Out: 15.418+/-0.003 χ^2/NDF:3045528.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247983.1/18

Left In: 14.982+/-0.003 χ^2/NDF:2768108.8/17

Left: 15.195+/-0.002 χ^2/NDF: 5824002.9/36

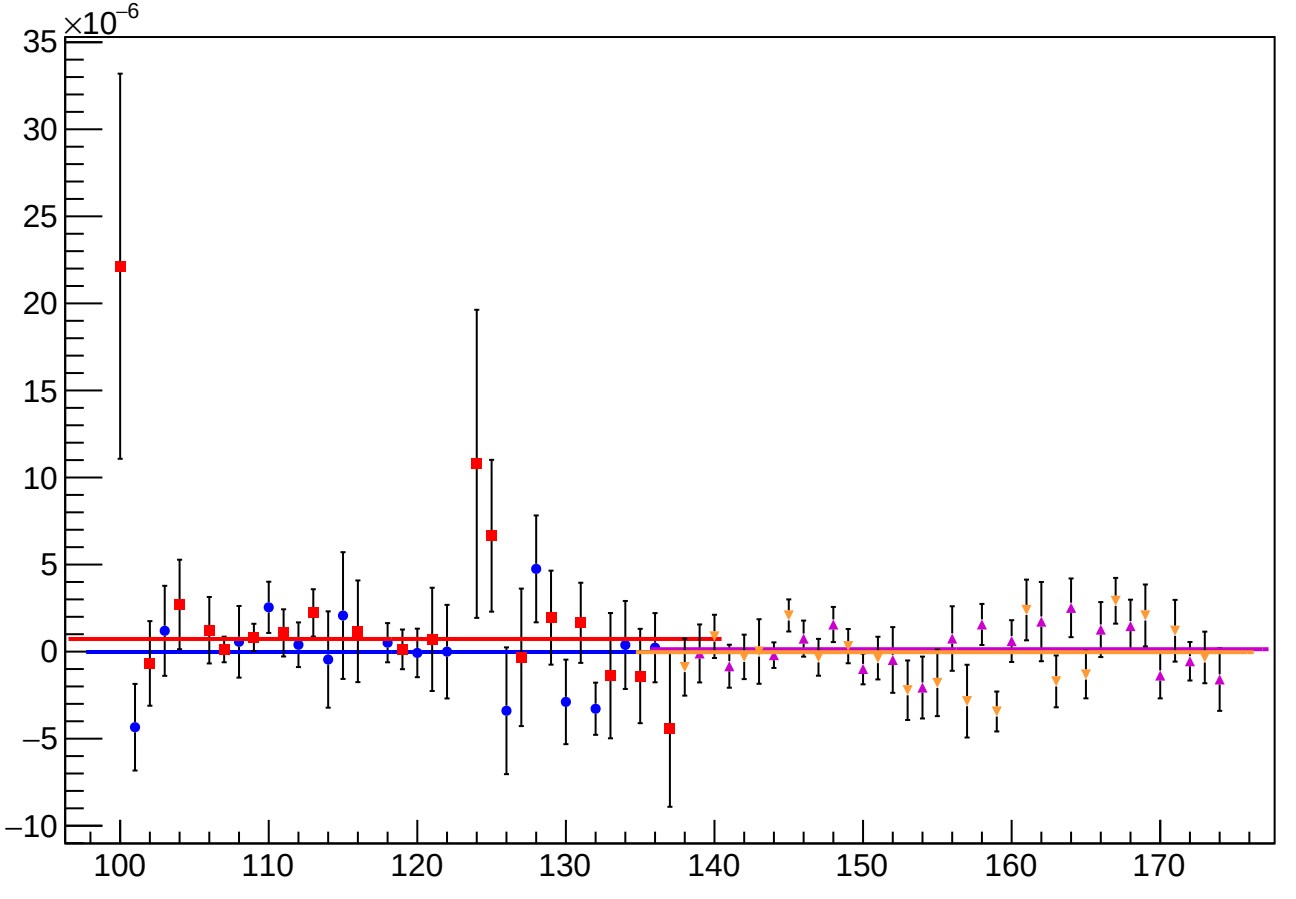
Right: 18.278+/-0.004 χ^2/NDF: 2280449.7/34

In: 15.653+/-0.003 χ^2/NDF:3956435.6/33

Out: 16.289+/-0.003 χ^2/NDF:4632747.8/37

All: 15.960+/-0.002 χ^2/NDF: 8618411.6/71

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:30.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: 0.000+/-0.000 χ^2/NDF:14.6/17

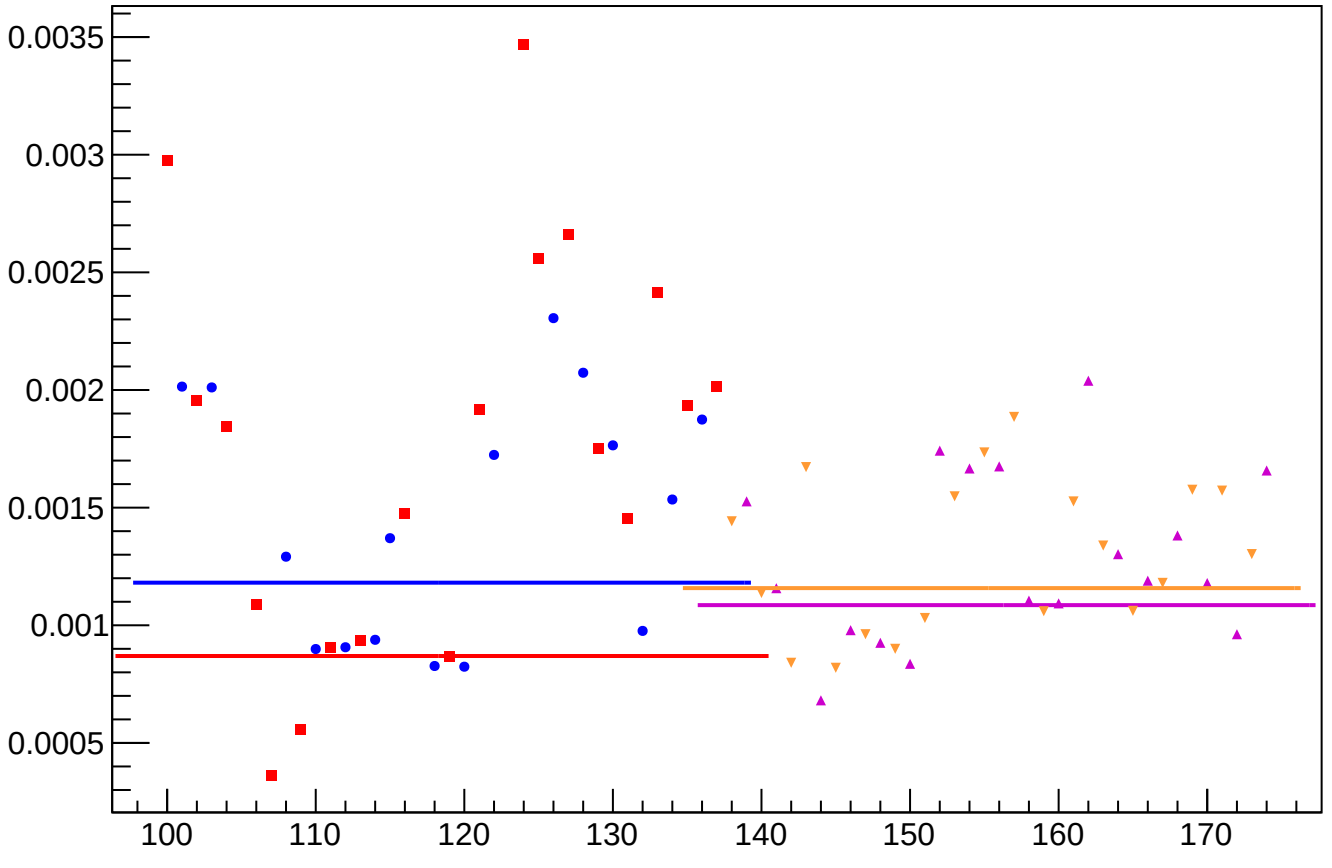
Left: 0.000+/-0.000 χ^2/NDF: 45.3/36

Right: 0.000+/-0.000 χ^2/NDF: 30.9/34

In: 0.000+/-0.000 χ^2/NDF:31.2/33

Out: 0.000+/-0.000 χ^2/NDF:45.8/37

All: 0.000+/-0.000 χ^2/NDF: 77.2/71



Right In: 0.001+/-0.000 χ^2/NDF: 1828304.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:1747069.6/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4435351.6/18

Left In: 0.001+/-0.000 χ^2/NDF:2349851.5/17

Left: 0.001+/-0.000 χ^2/NDF: 4153631.8/36

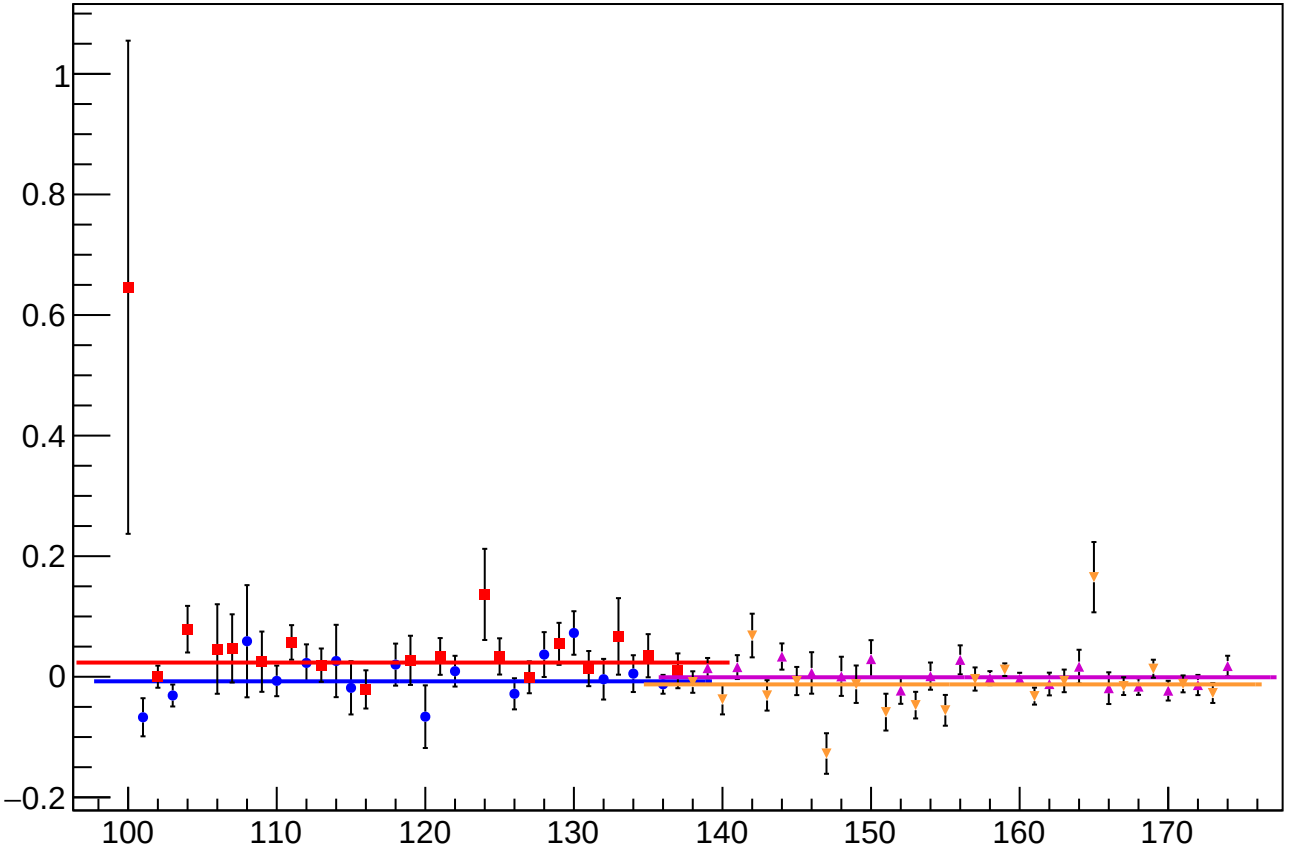
Right: 0.001+/-0.000 χ^2/NDF: 6790405.1/34

In: 0.001+/-0.000 χ^2/NDF:4236780.7/33

Out: 0.001+/-0.000 χ^2/NDF:6868995.2/37

All: 0.001+/-0.000 χ^2/NDF: 11187157.9/71

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

Left: -0.007+/-0.003 χ^2/NDF: 64.0/36

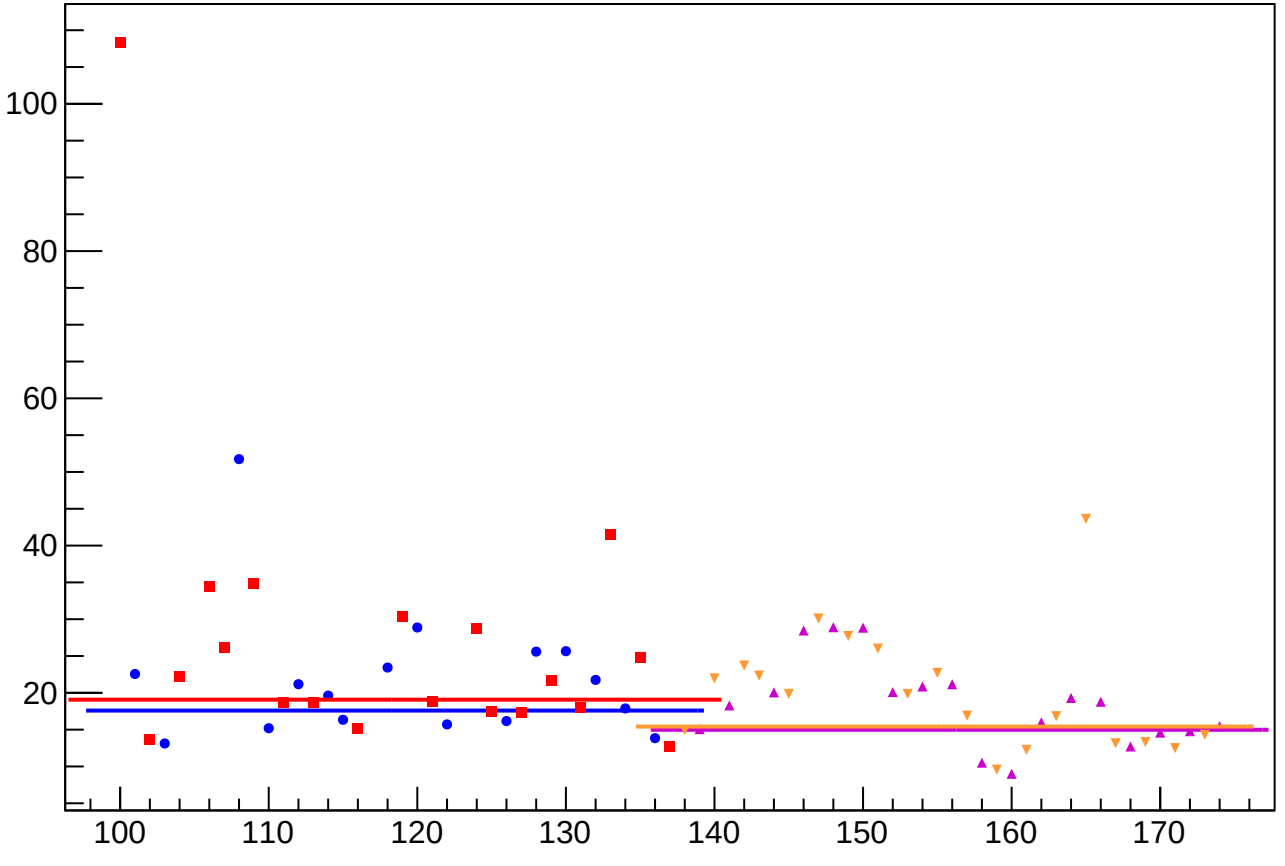
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.003+/-0.003 χ^2/NDF: 108.9/71

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 17.591+/-0.005 χ^2/NDF: 993288.6/15

Left Out: 15.418+/-0.003 χ^2/NDF:3045780.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

Left: 15.195+/-0.002 χ^2/NDF: 5824573.0/36

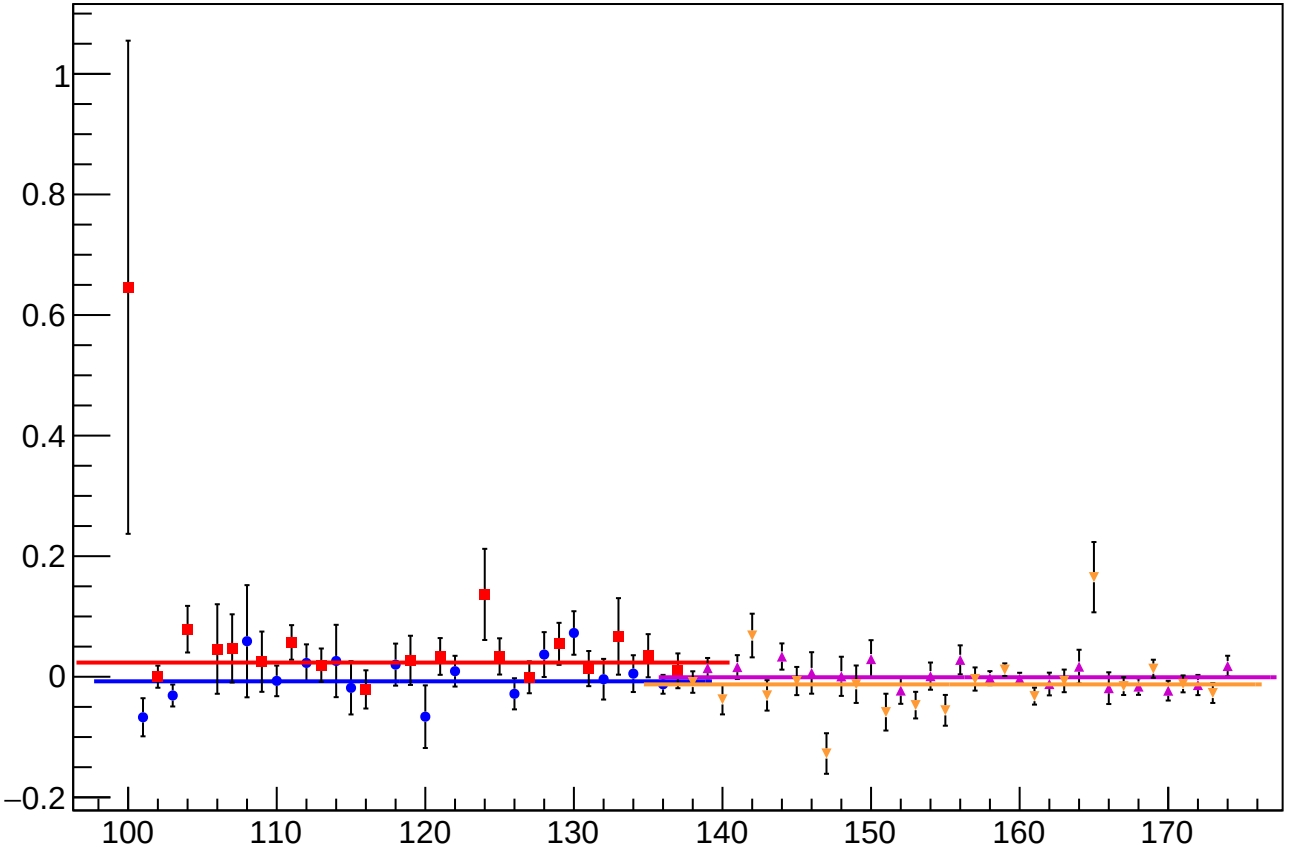
Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.653+/-0.003 χ^2/NDF:3956837.4/33

Out: 16.289+/-0.003 χ^2/NDF:4633017.6/37

All: 15.960+/-0.002 χ^2/NDF: 8619092.8/71

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.007 χ^2/NDF: 16.7/15

Left Out: -0.013+/-0.004 χ^2/NDF:46.6/18

Right Out: 0.024+/-0.008 χ^2/NDF: 14.6/18

Left In: -0.001+/-0.004 χ^2/NDF:13.6/17

Left: -0.007+/-0.003 χ^2/NDF: 64.0/36

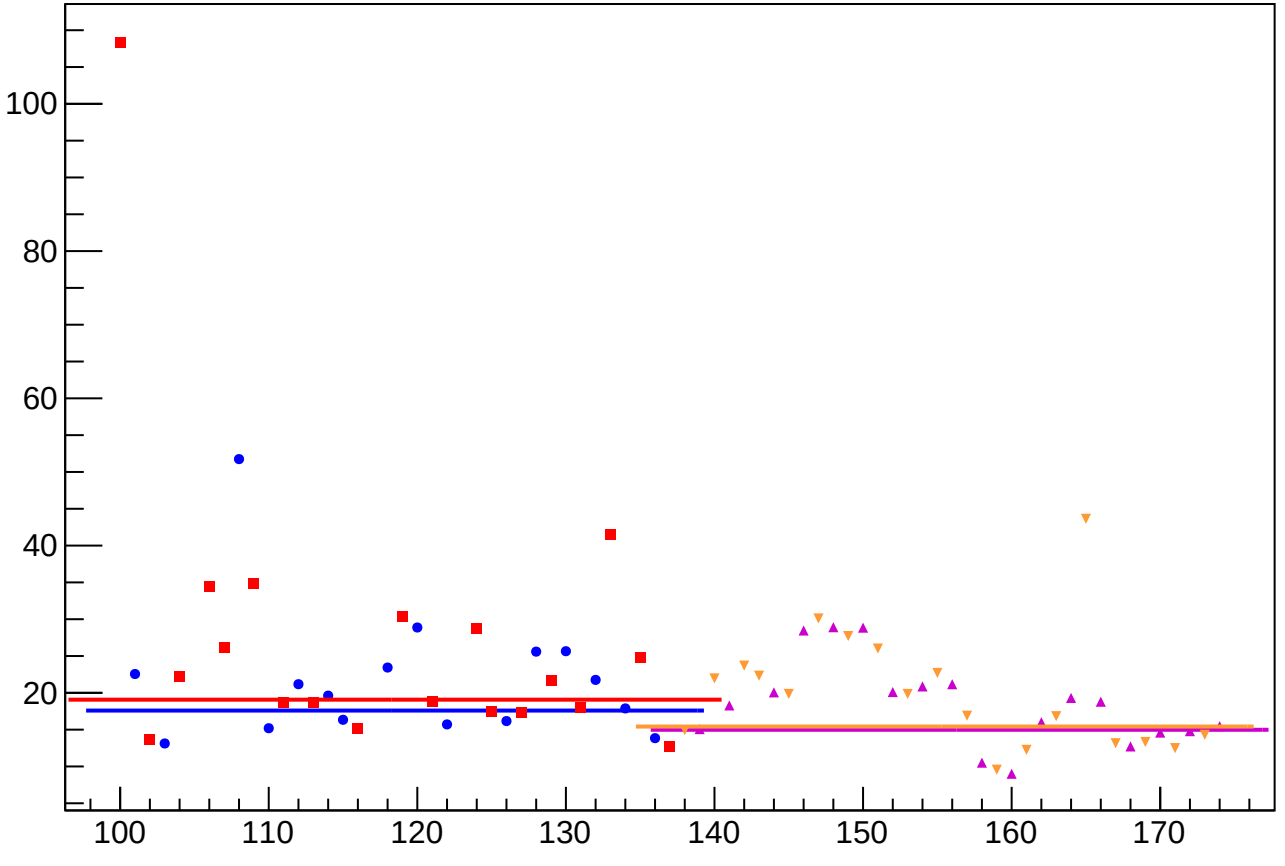
Right: 0.007+/-0.005 χ^2/NDF: 40.0/34

In: -0.003+/-0.004 χ^2/NDF:31.0/33

Out: -0.004+/-0.004 χ^2/NDF:77.9/37

All: -0.003+/-0.003 χ^2/NDF: 108.9/71

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: 15.418+/-0.003 χ^2/NDF:3045780.3/18

Right Out: 19.072+/-0.005 χ^2/NDF: 1247904.7/18

Left In: 14.982+/-0.003 χ^2/NDF:2768423.5/17

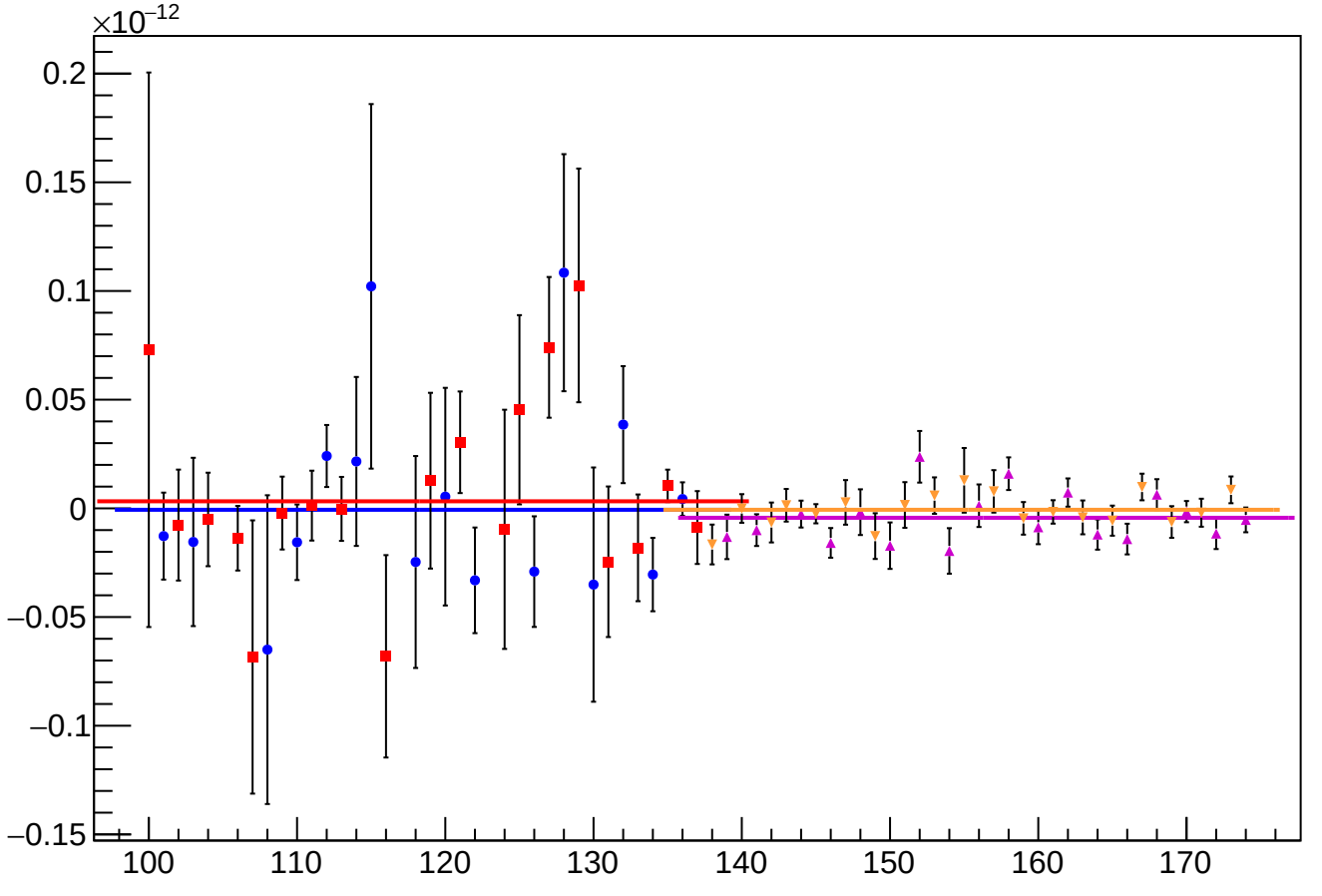
Left: 15.195+/-0.002 χ^2/NDF: 5824573.0/36

Right: 18.278+/-0.004 χ^2/NDF: 2280425.3/34

In: 15.653+/-0.003 χ^2/NDF:3956837.4/33

Out: 16.289+/-0.003 χ^2/NDF:4633017.6/37

All: 15.960+/-0.002 χ^2/NDF: 8619092.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19.2/18

Left In: -0.000+/-0.000 χ^2/NDF:31.4/17

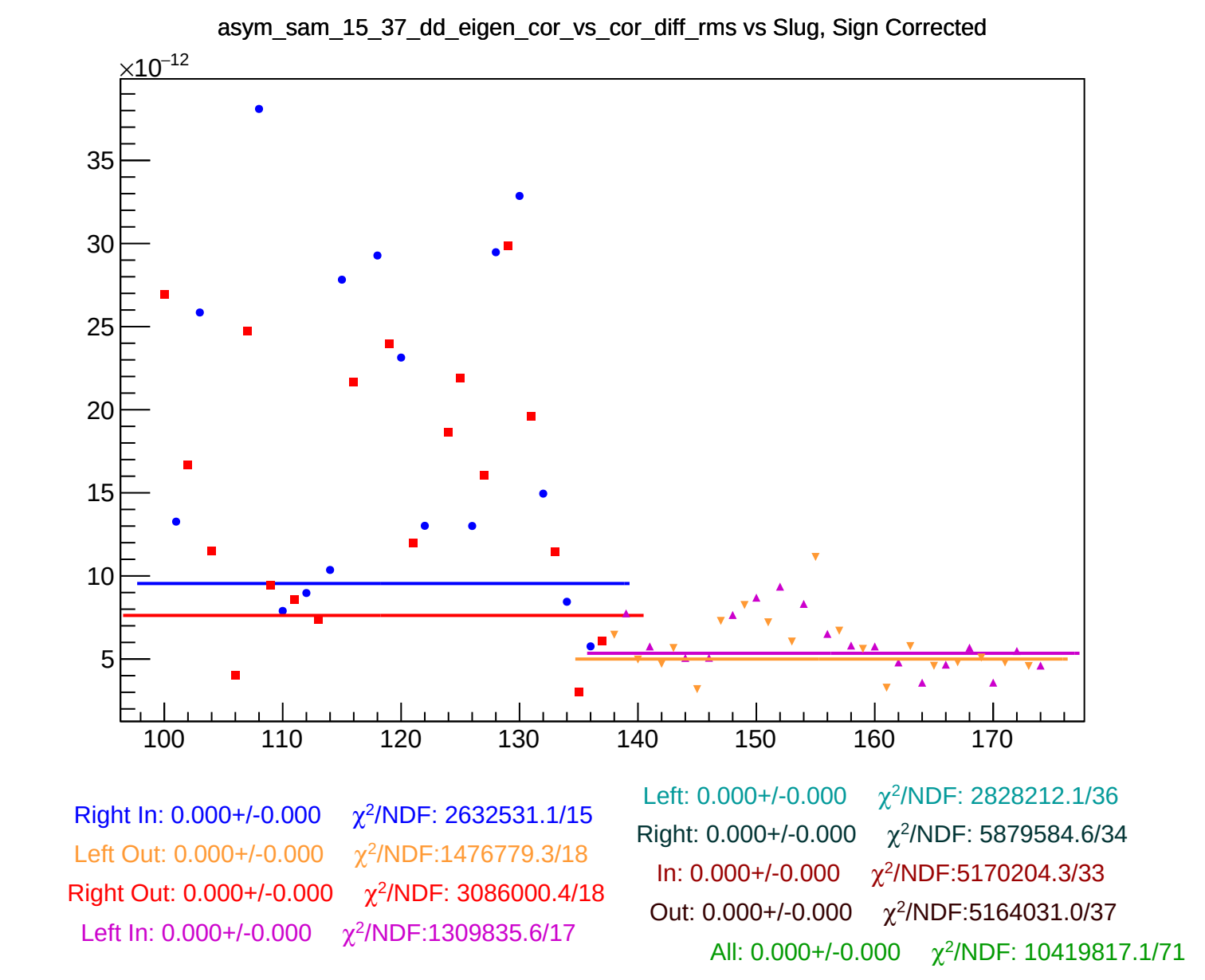
Left: -0.000+/-0.000 χ^2/NDF: 47.9/36

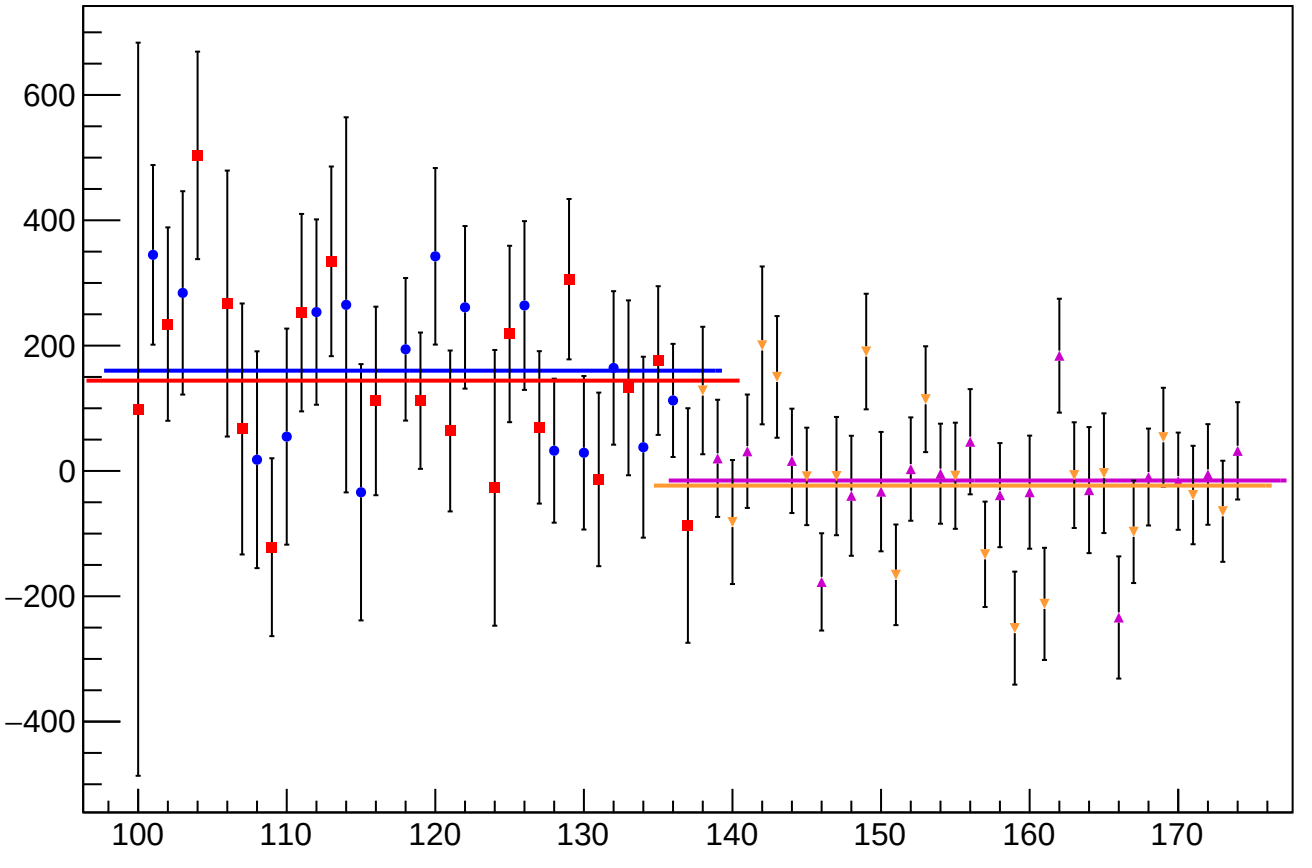
Right: 0.000+/-0.000 χ^2/NDF: 39.8/34

In: -0.000+/-0.000 χ^2/NDF:52.1/33

Out: -0.000+/-0.000 χ^2/NDF:34.1/37

All: -0.000+/-0.000 χ^2/NDF: 88.9/71


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
35
30
25
20
15
10
5
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2632531.1/15
Left Out: 0.000+/-0.000 χ²/NDF:1476779.3/18
Right Out: 0.000+/-0.000 χ²/NDF: 3086000.4/18
Left In: 0.000+/-0.000 χ²/NDF:1309835.6/17
Left: 0.000+/-0.000 χ²/NDF: 2828212.1/36
Right: 0.000+/-0.000 χ²/NDF: 5879584.6/34
In: 0.000+/-0.000 χ²/NDF:5170204.3/33
Out: 0.000+/-0.000 χ²/NDF:5164031.0/37
All: 0.000+/-0.000 χ²/NDF: 10419817.1/71



Right In: 160.024+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.369+/-20.150 χ^2/NDF:34.9/18

Right Out: 144.117+/-34.213 χ^2/NDF: 17.4/18

Left In: -15.253+/-20.167 χ^2/NDF:16.0/17

Left: -19.315+/-14.254 χ^2/NDF: 50.9/36

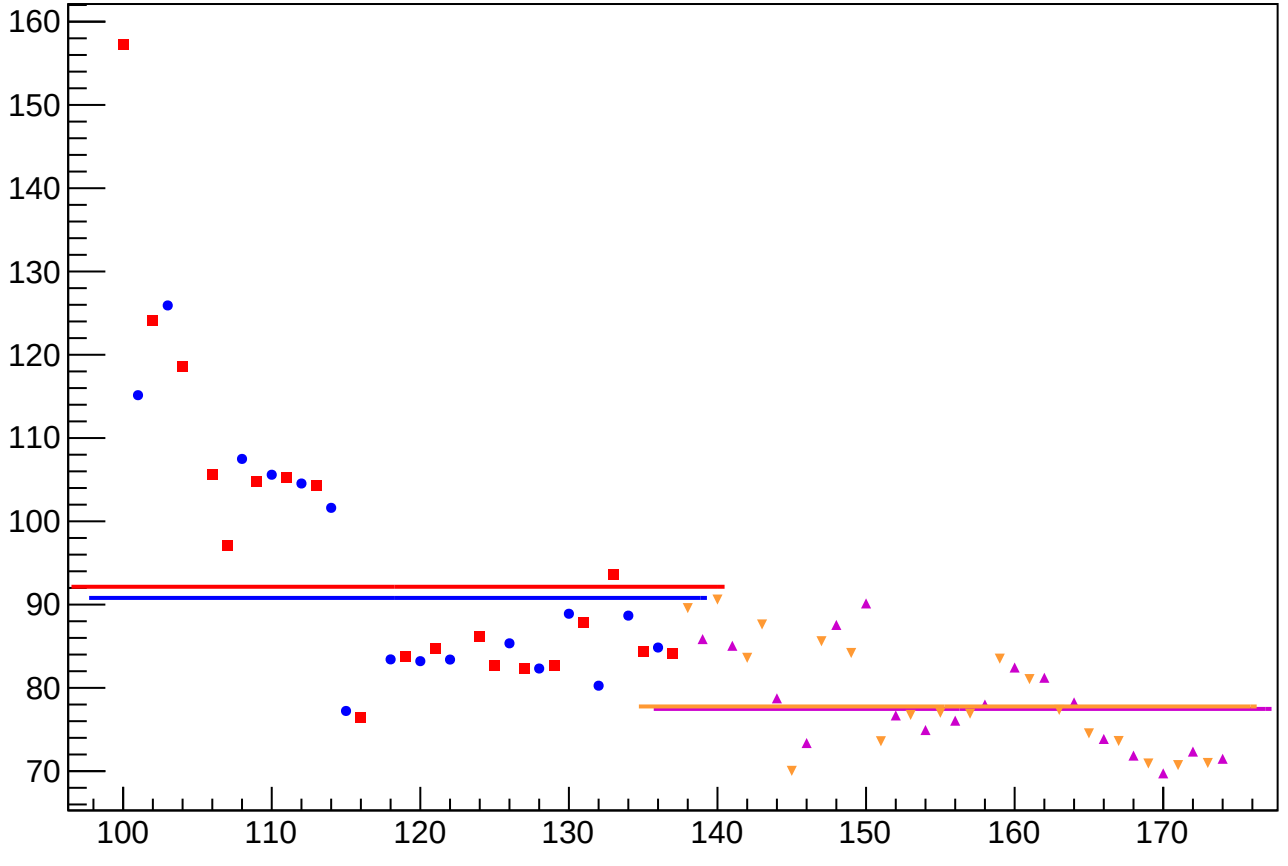
Right: 152.081+/-24.177 χ^2/NDF: 28.6/34

In: 30.029+/-17.368 χ^2/NDF:46.6/33

Out: 19.763+/-17.362 χ^2/NDF:70.1/37

All: 24.894+/-12.279 χ^2/NDF: 116.8/71

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272755.2/15

Left Out: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.141+/-0.024 χ^2/NDF: 302032.4/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

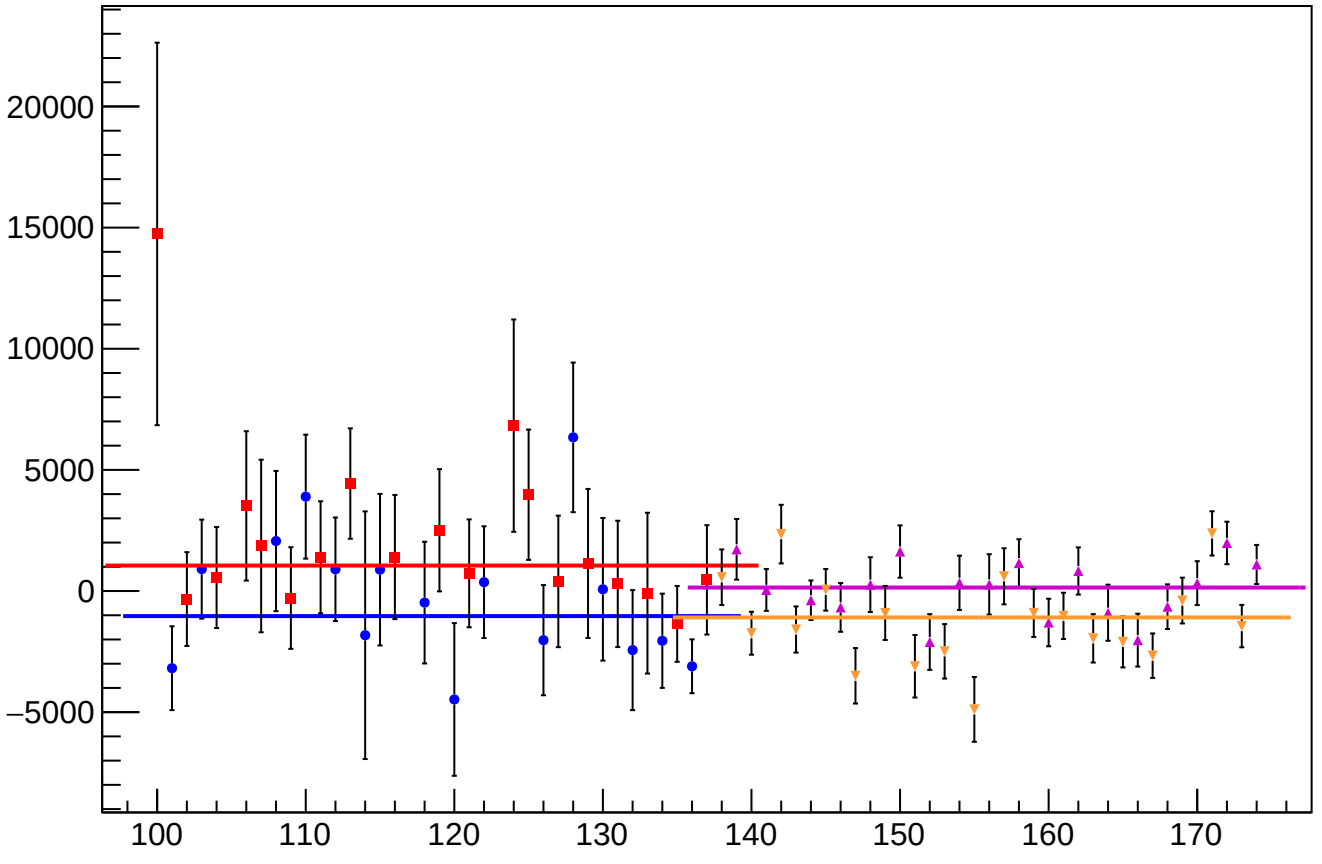
Left: 77.621+/-0.010 χ^2/NDF: 357884.6/36

Right: 91.471+/-0.017 χ^2/NDF: 576322.1/34

In: 80.917+/-0.012 χ^2/NDF:657725.6/33

Out: 81.469+/-0.012 χ^2/NDF:762505.8/37

All: 81.193+/-0.009 χ^2/NDF: 1421240.9/71



Right In: -1035.032+/-550.207 χ^2/NDF: 20.2/15

Left Out: -1090.508+/-233.993 χ^2/NDF:51.2/18

Right Out: 1051.517+/-568.935 χ^2/NDF: 12.9/18

Left In: 144.226+/-234.065 χ^2/NDF:23.5/17

Left: -473.332+/-165.483 χ^2/NDF: 88.6/36

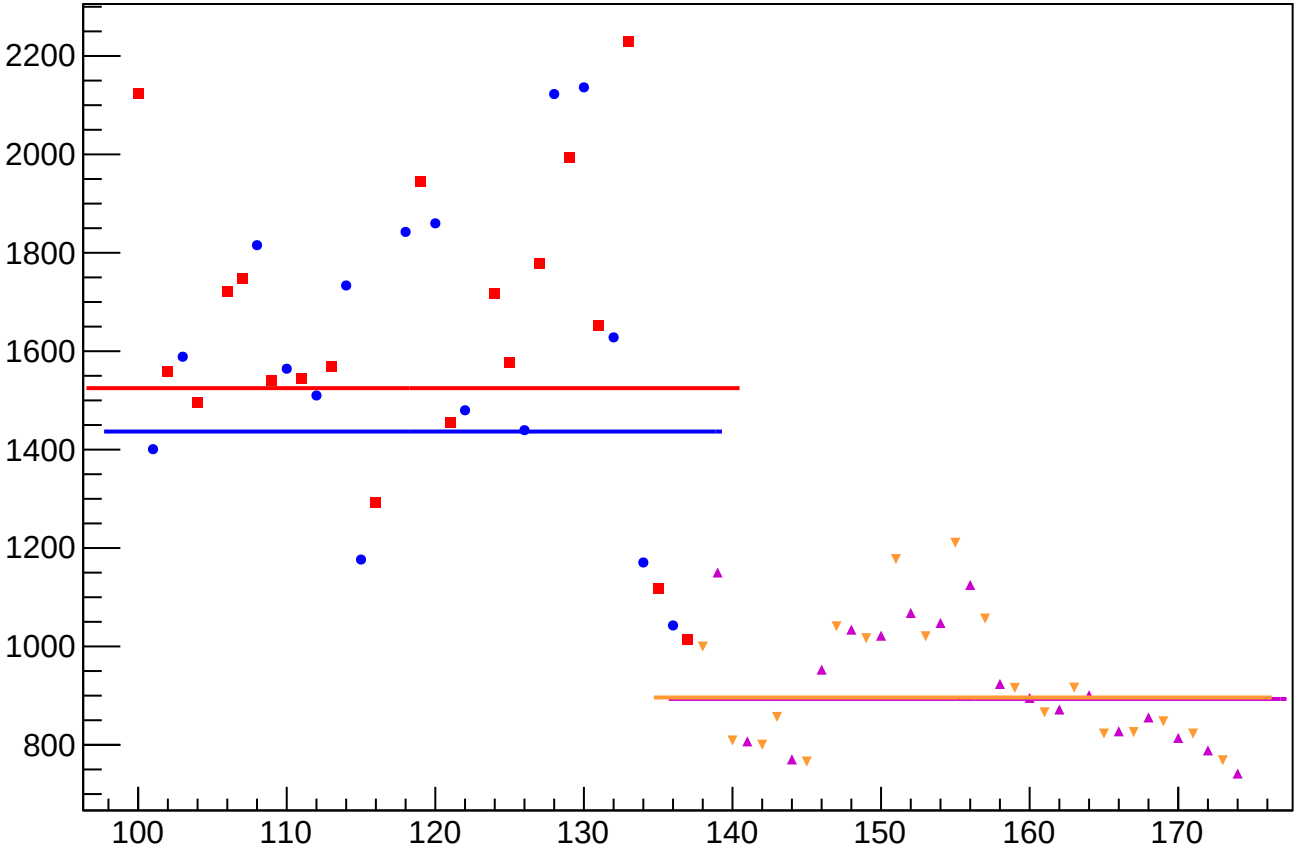
Right: -26.665+/-395.510 χ^2/NDF: 40.1/34

In: -36.487+/-215.385 χ^2/NDF:47.6/33

Out: -780.601+/-216.405 χ^2/NDF:76.2/37

All: -406.787+/-152.659 χ^2/NDF: 129.7/71

asym_sam_24_68_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1436.734+/-0.389 χ^2/NDF: 675672.3/15

Left Out: 896.252+/-0.165 χ^2/NDF:507018.4/18

Right Out: 1524.955+/-0.402 χ^2/NDF: 504563.9/18

Left In: 893.327+/-0.166 χ^2/NDF:497412.7/17

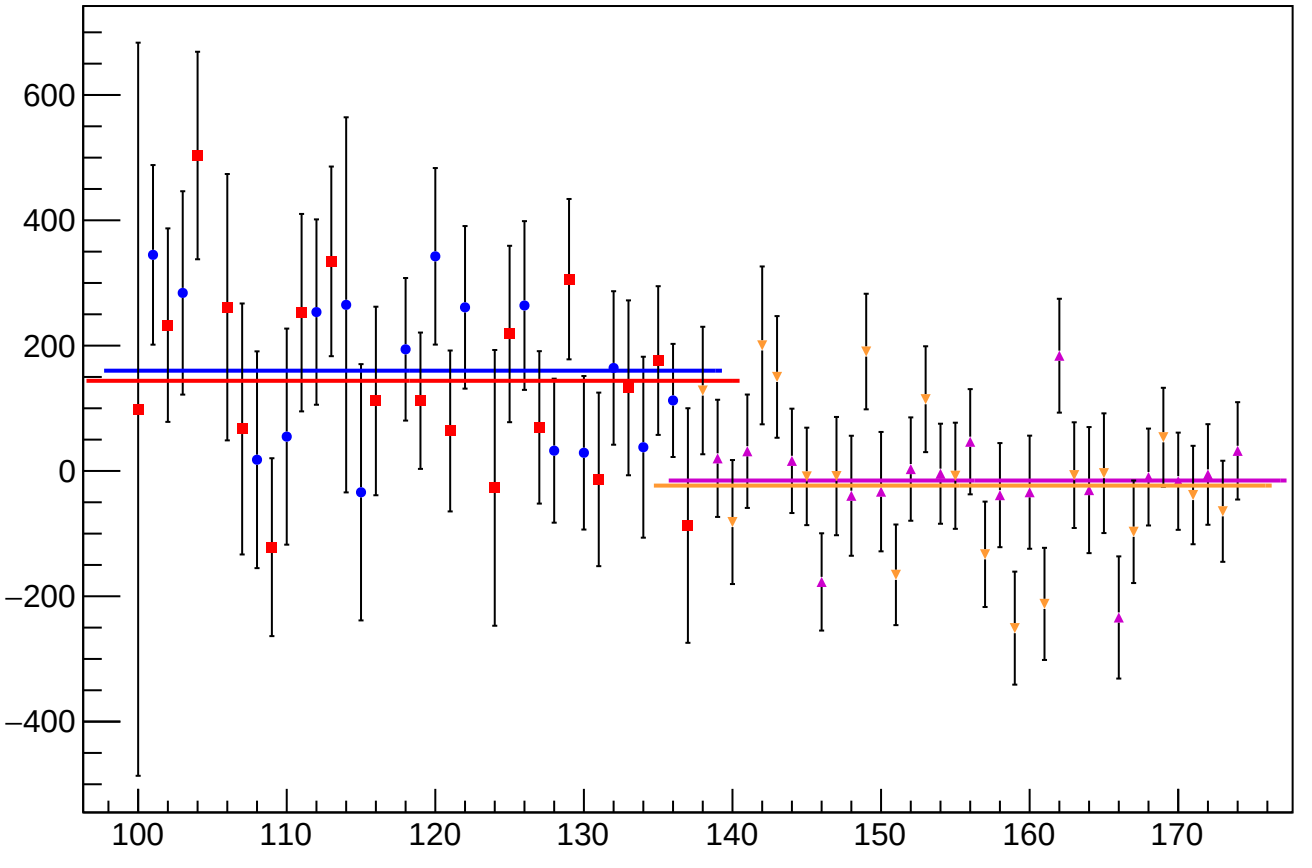
Left: 894.790+/-0.117 χ^2/NDF: 1004587.3/36

Right: 1479.369+/-0.280 χ^2/NDF: 1205085.6/34

In: 976.600+/-0.152 χ^2/NDF:2825001.2/33

Out: 987.213+/-0.153 χ^2/NDF:3100519.5/37

All: 981.881+/-0.108 χ^2/NDF: 5927937.1/71



Right In: 160.020+/-34.170 χ^2/NDF: 11.1/15

Left Out: -23.368+/-20.150 χ^2/NDF:34.9/18

Right Out: 143.862+/-34.216 χ^2/NDF: 17.3/18

Left In: -15.256+/-20.167 χ^2/NDF:16.0/17

Left: -19.315+/-14.254 χ^2/NDF: 50.9/36

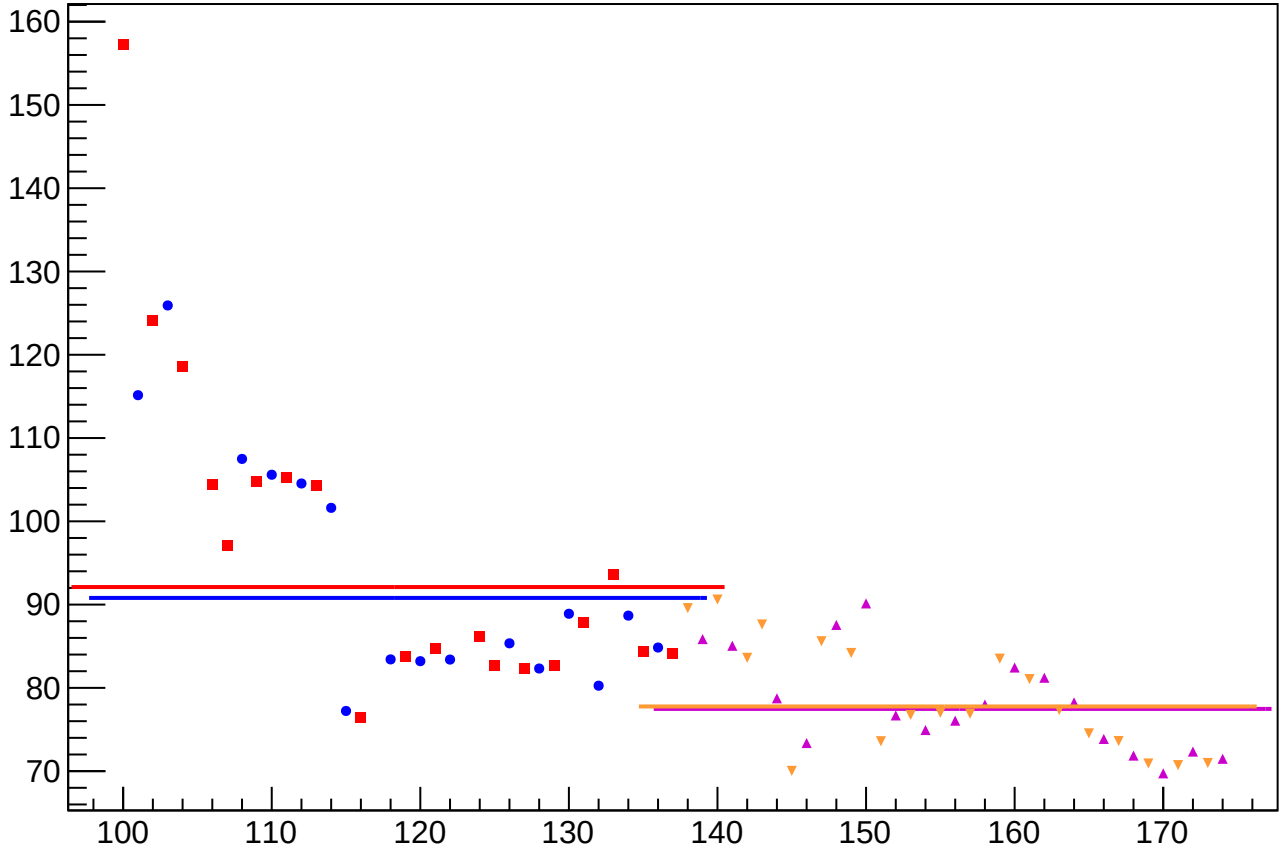
Right: 151.952+/-24.178 χ^2/NDF: 28.5/34

In: 30.026+/-17.368 χ^2/NDF:46.6/33

Out: 19.694+/-17.363 χ^2/NDF:69.9/37

All: 24.859+/-12.279 χ^2/NDF: 116.7/71

cor_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

Left: 77.621+/-0.010 χ^2/NDF: 357884.6/36

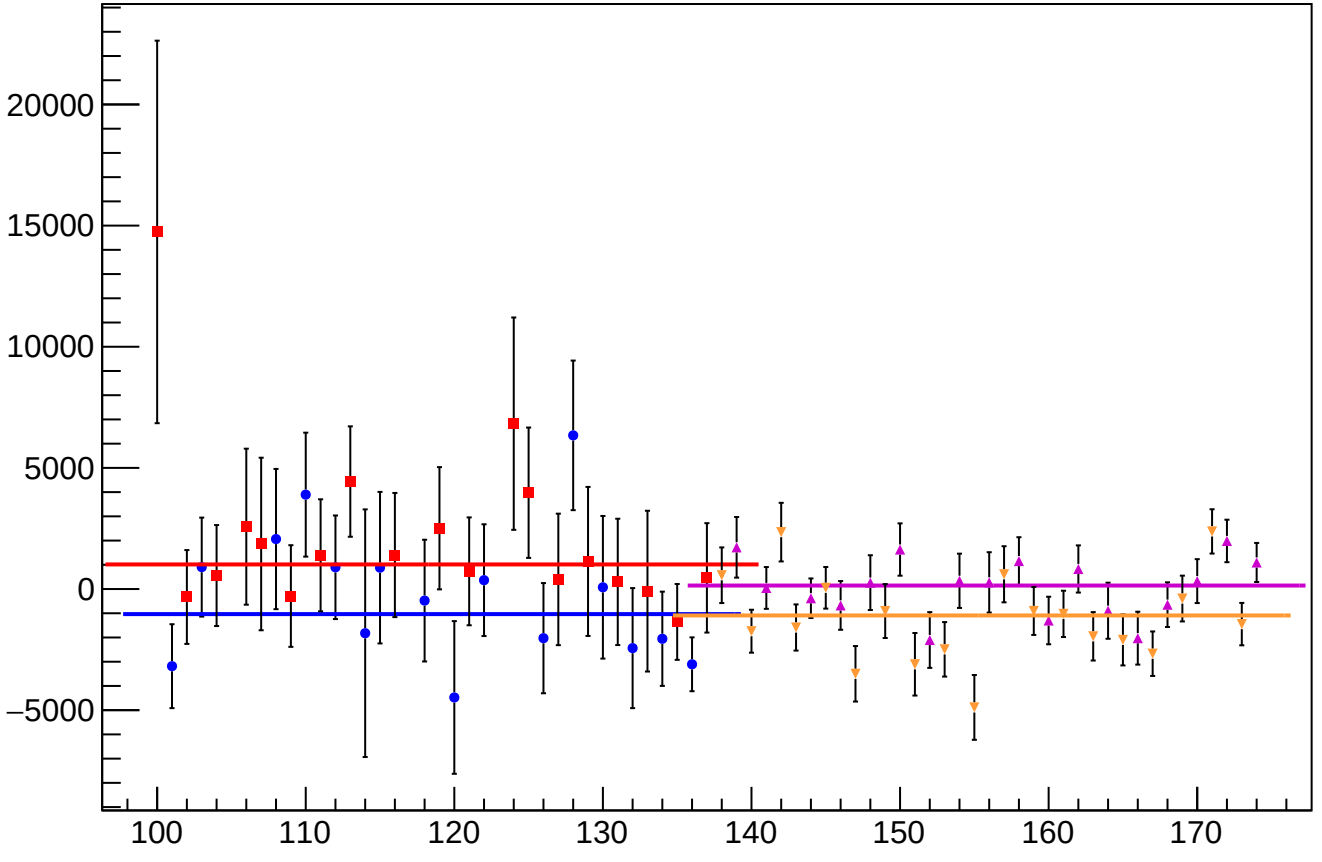
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.917+/-0.012 χ^2/NDF:657727.6/33

Out: 81.460+/-0.012 χ^2/NDF:760012.0/37

All: 81.189+/-0.009 χ^2/NDF: 1418716.9/71

asym_sam_24_68_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1090.505+/-233.992 χ^2/NDF:51.2/18

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 144.225+/-234.065 χ^2/NDF:23.5/17

Left: -473.331+/-165.483 χ^2/NDF: 88.6/36

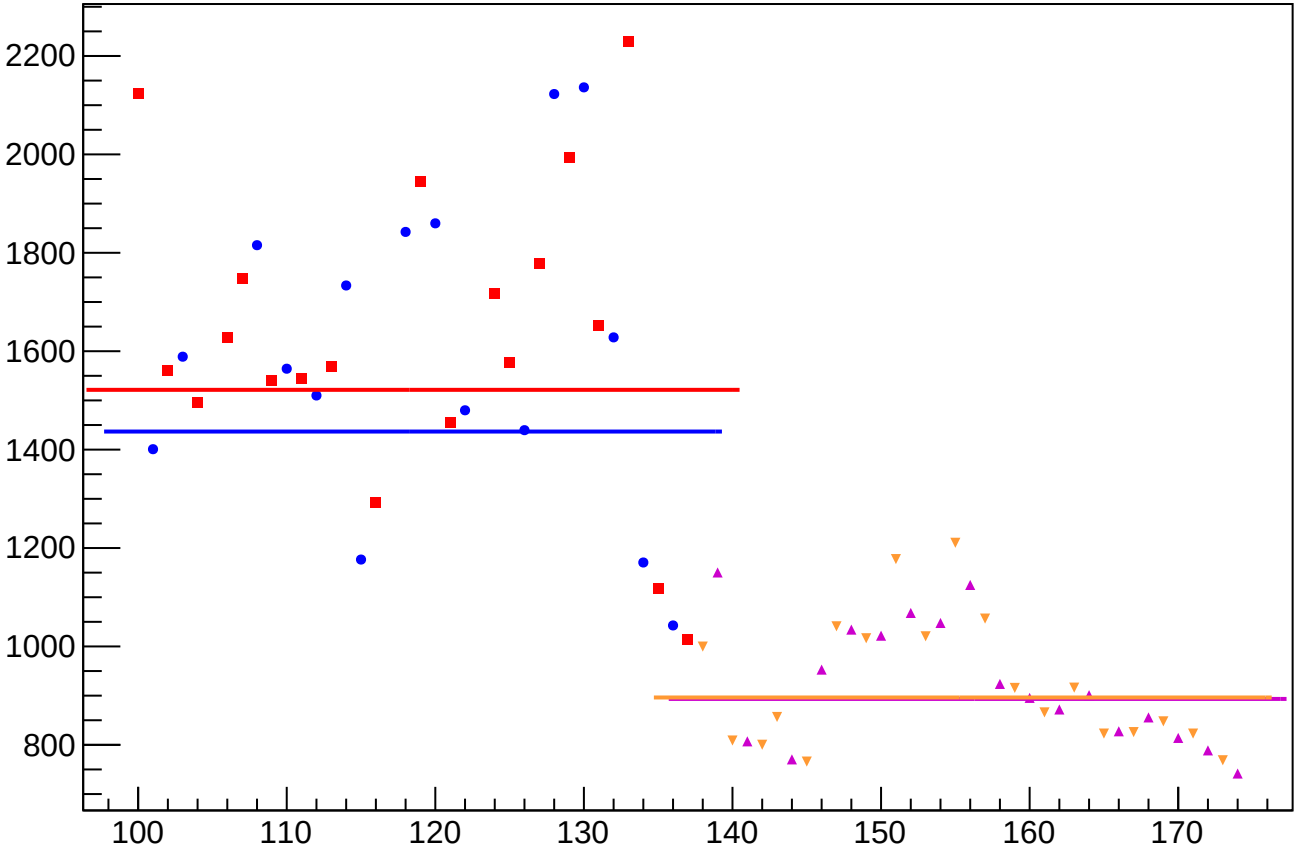
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -36.483+/-215.385 χ^2/NDF:47.6/33

Out: -786.592+/-216.451 χ^2/NDF:75.3/37

All: -409.687+/-152.676 χ^2/NDF: 129.0/71

asym_sam_24_68_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 896.252+/-0.165 χ^2/NDF:507019.9/18

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

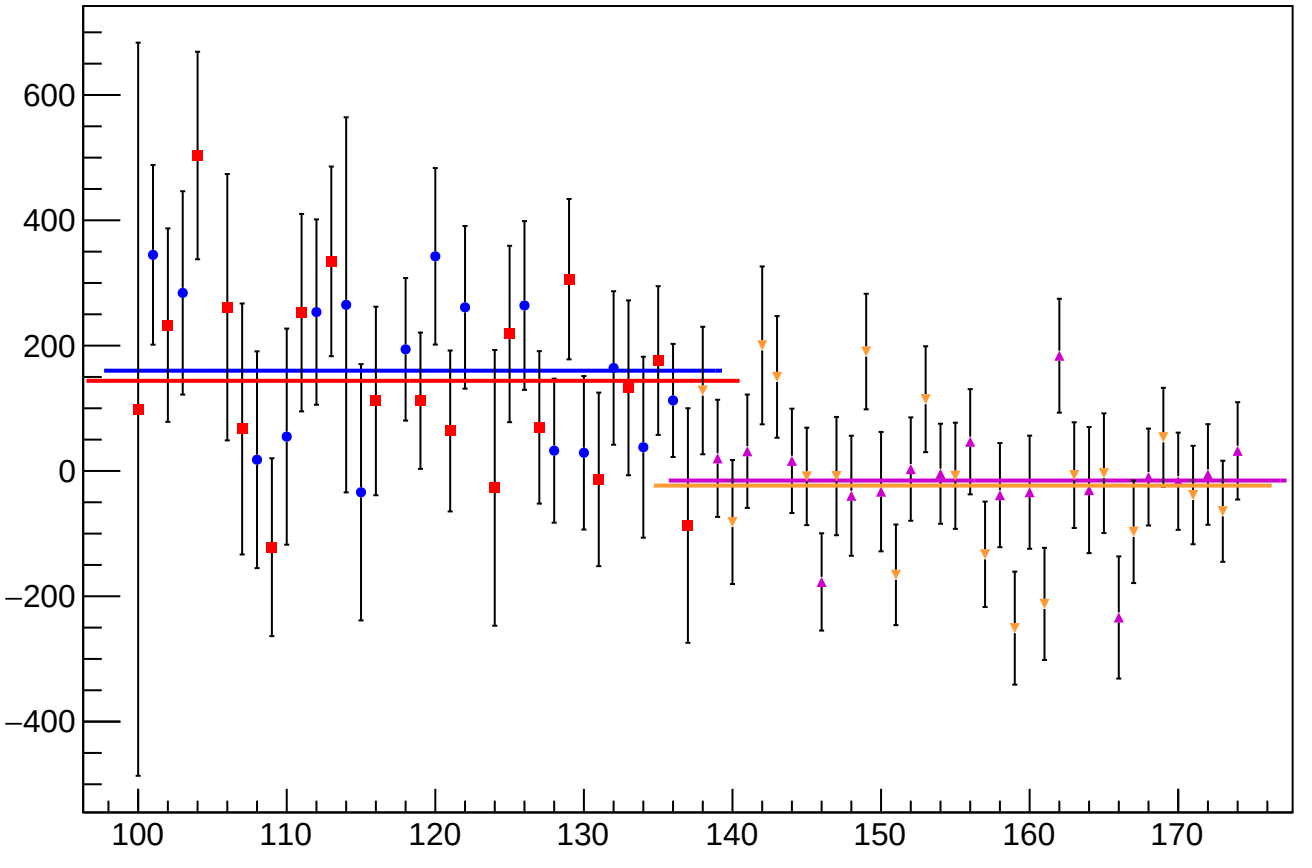
Left: 894.790+/-0.117 χ^2/NDF: 1004588.2/36

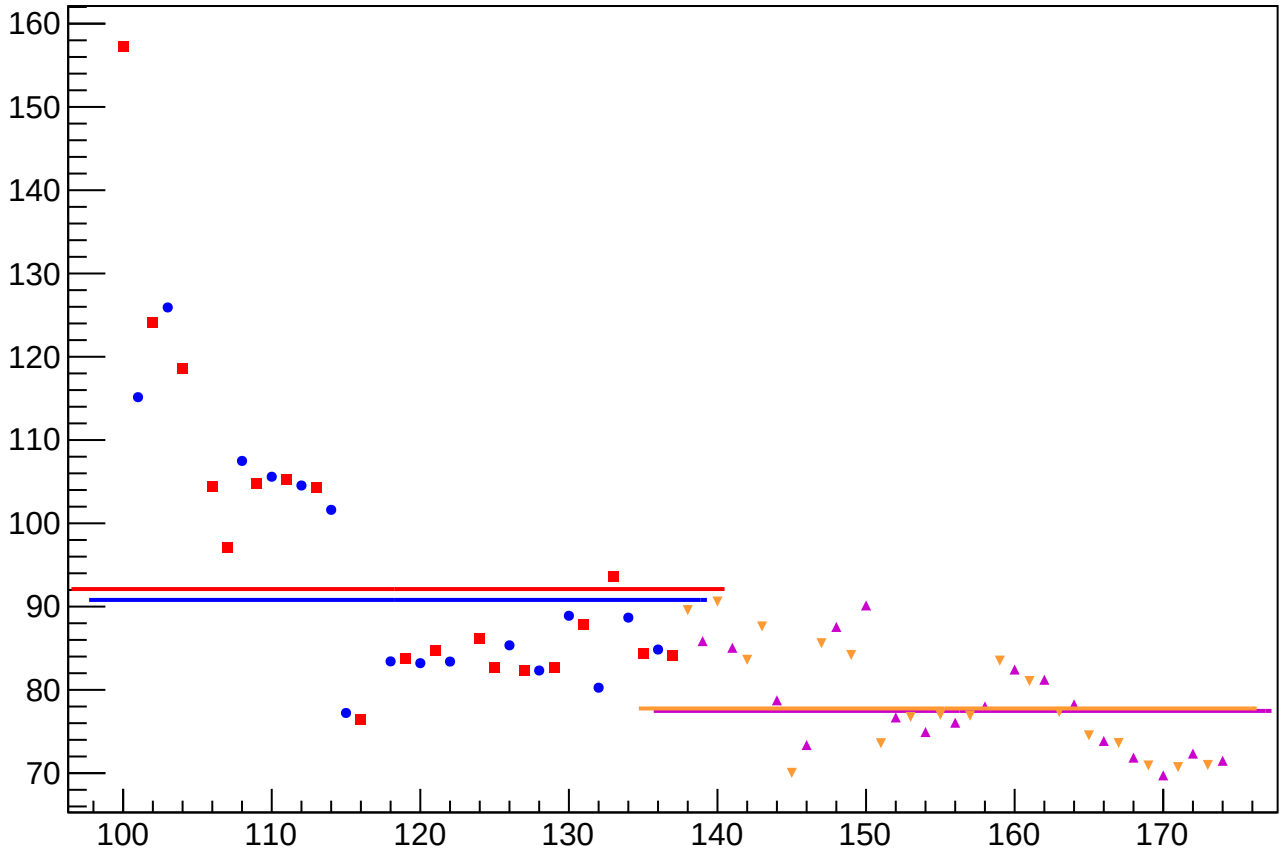
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 976.600+/-0.152 χ^2/NDF:2825020.9/33

Out: 986.484+/-0.153 χ^2/NDF:3066202.3/37

All: 981.518+/-0.108 χ^2/NDF: 5893318.8/71


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: -23.368+/-20.150 χ²/NDF:34.9/18
Right Out: 143.862+/-34.216 χ²/NDF: 17.3/18
Left In: -15.256+/-20.167 χ²/NDF:16.0/17
Left: -19.315+/-14.254 χ²/NDF: 50.9/36
Right: 151.952+/-24.178 χ²/NDF: 28.5/34
In: 30.026+/-17.368 χ²/NDF:46.6/33
Out: 19.694+/-17.363 χ²/NDF:69.9/37
All: 24.859+/-12.279 χ²/NDF: 116.7/71



Right In: 90.802+/-0.024 χ^2/NDF: 272757.0/15

Left Out: 77.767+/-0.014 χ^2/NDF:198369.5/18

Right Out: 92.108+/-0.024 χ^2/NDF: 300768.0/18

Left In: 77.474+/-0.014 χ^2/NDF:159303.5/17

Left: 77.621+/-0.010 χ^2/NDF: 357884.6/36

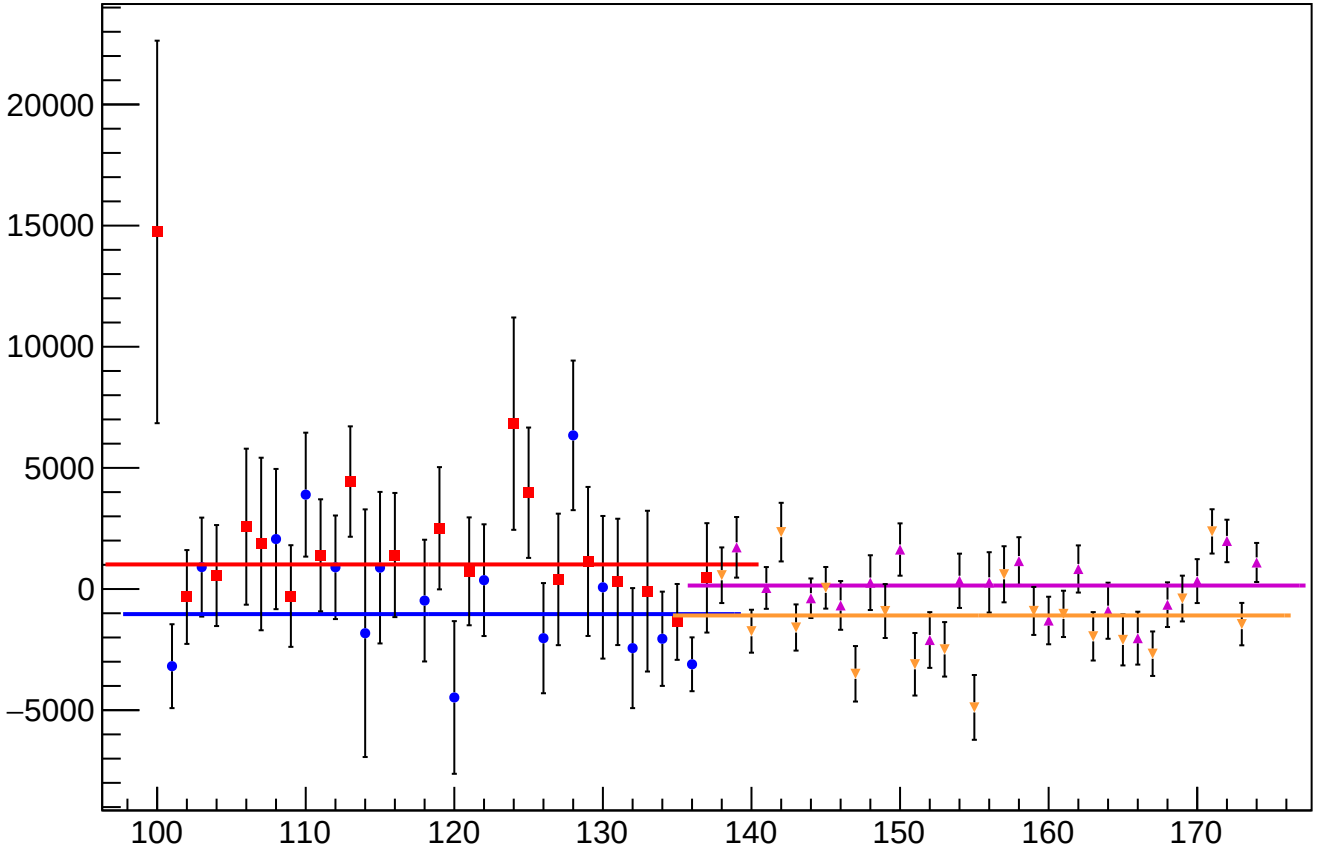
Right: 91.454+/-0.017 χ^2/NDF: 574984.5/34

In: 80.917+/-0.012 χ^2/NDF:657727.6/33

Out: 81.460+/-0.012 χ^2/NDF:760012.0/37

All: 81.189+/-0.009 χ^2/NDF: 1418716.9/71

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1035.009+/-550.208 χ^2/NDF: 20.2/15

Left Out: -1090.505+/-233.992 χ^2/NDF:51.2/18

Right Out: 1015.387+/-569.773 χ^2/NDF: 12.5/18

Left In: 144.225+/-234.065 χ^2/NDF:23.5/17

Left: -473.331+/-165.483 χ^2/NDF: 88.6/36

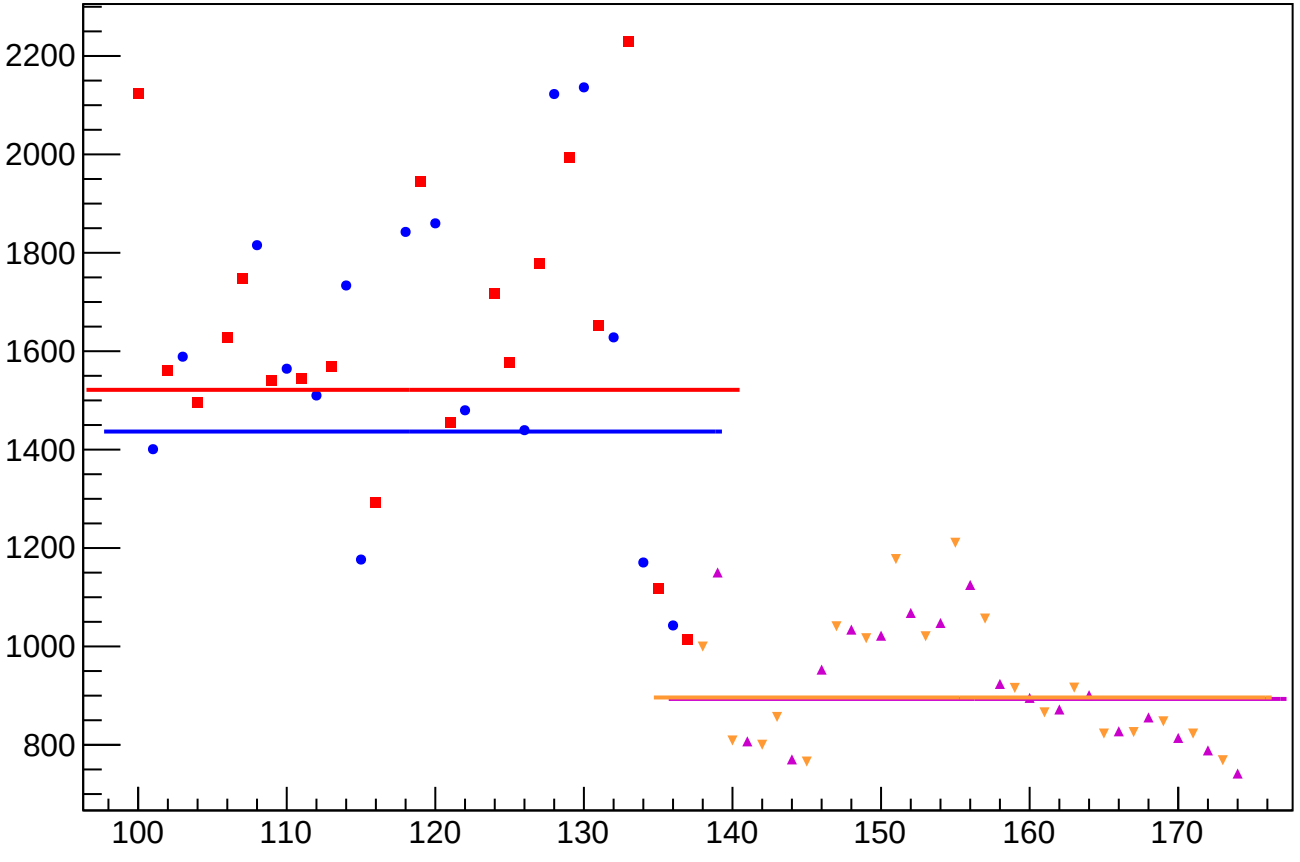
Right: -45.617+/-395.792 χ^2/NDF: 39.4/34

In: -36.483+/-215.385 χ^2/NDF:47.6/33

Out: -786.592+/-216.451 χ^2/NDF:75.3/37

All: -409.687+/-152.676 χ^2/NDF: 129.0/71

asym_sam_24_68_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1436.738+/-0.389 χ^2/NDF: 675680.8/15

Left Out: 896.252+/-0.165 χ^2/NDF:507019.9/18

Right Out: 1521.496+/-0.403 χ^2/NDF: 498363.4/18

Left In: 893.327+/-0.166 χ^2/NDF:497412.1/17

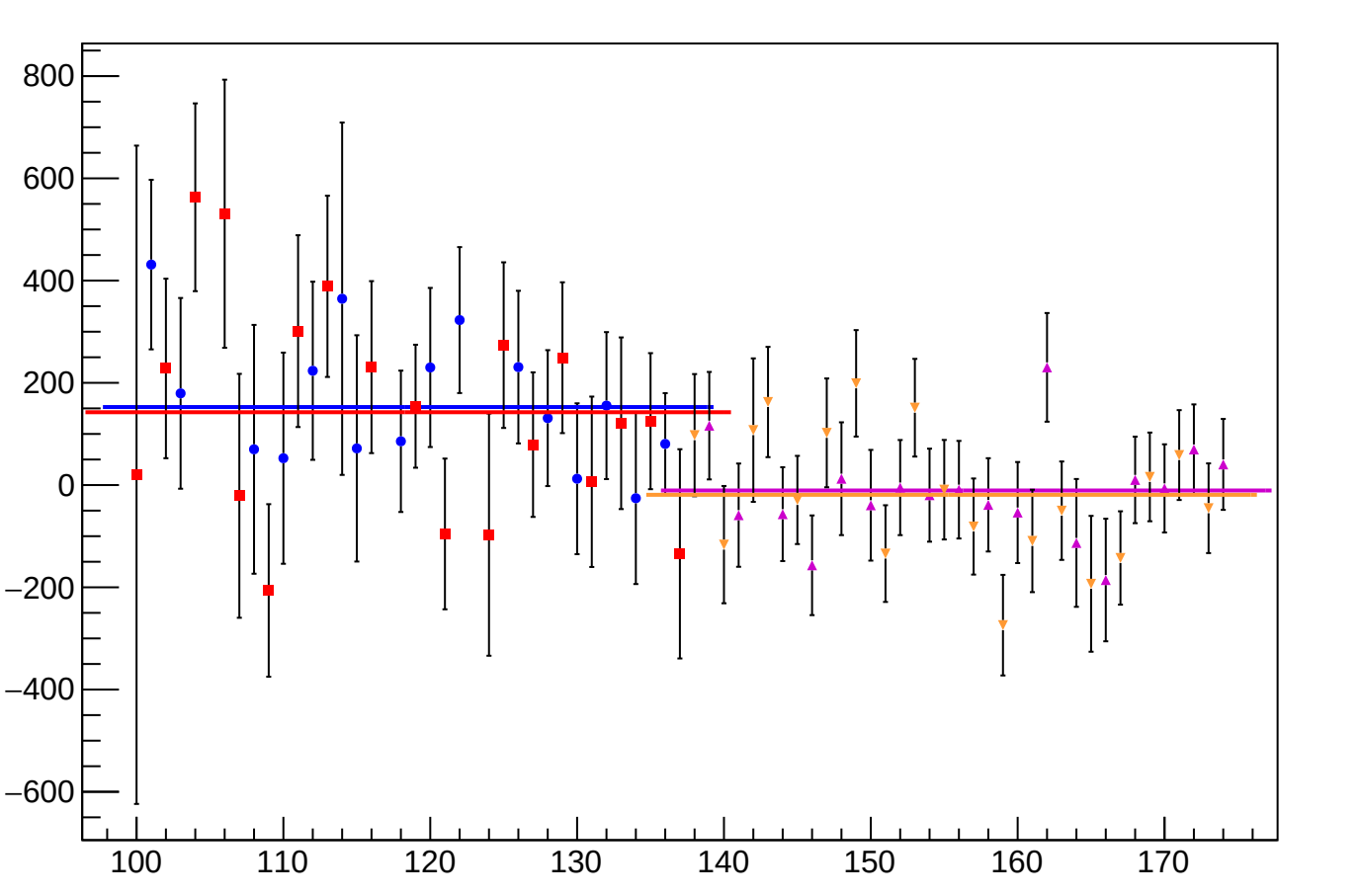
Left: 894.790+/-0.117 χ^2/NDF: 1004588.2/36

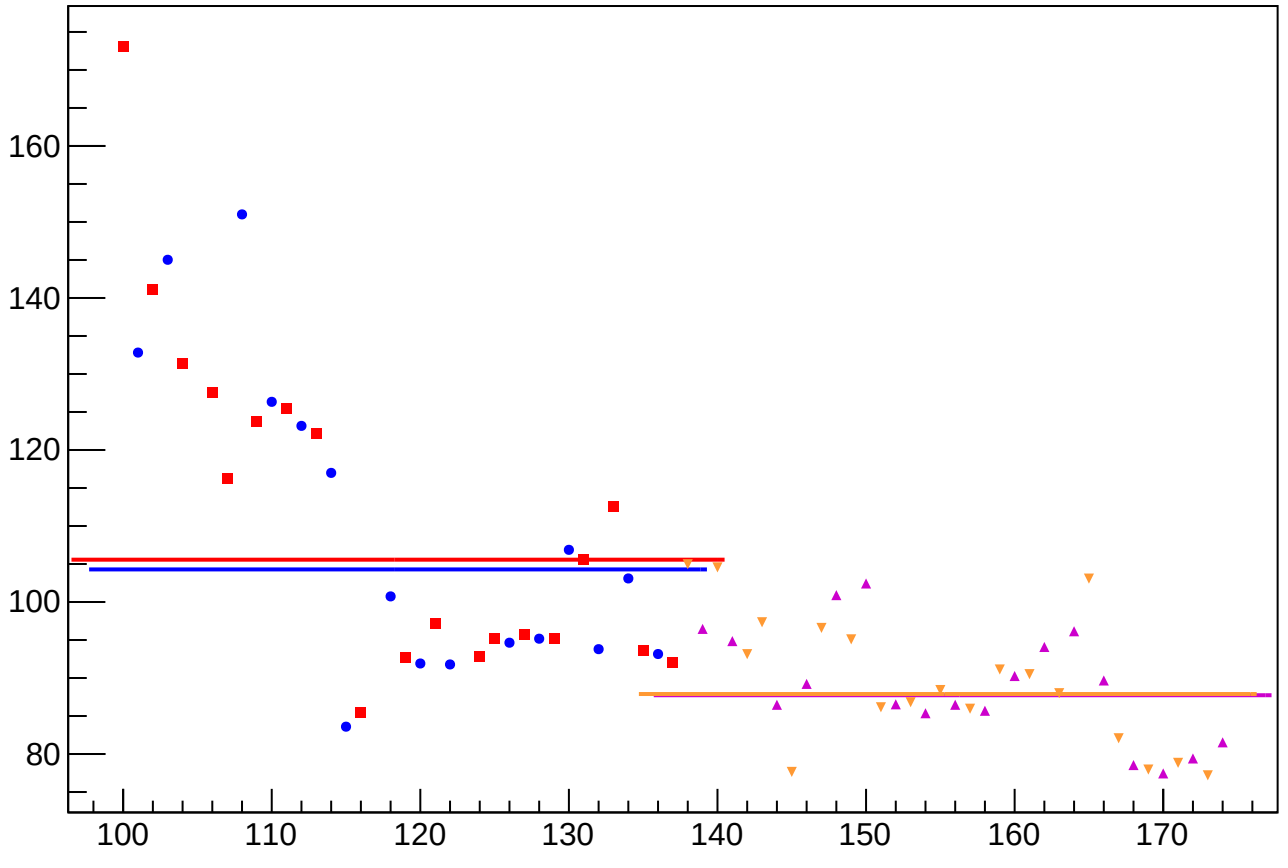
Right: 1477.637+/-0.280 χ^2/NDF: 1196946.2/34

In: 976.600+/-0.152 χ^2/NDF:2825020.9/33

Out: 986.484+/-0.153 χ^2/NDF:3066202.3/37

All: 981.518+/-0.108 χ^2/NDF: 5893318.8/71


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: -19.039+/-22.838 χ²/NDF:28.3/18
Right Out: 142.496+/-39.340 χ²/NDF: 22.9/18
Left In: -10.593+/-22.943 χ²/NDF:13.8/17
Left: -14.835+/-16.186 χ²/NDF: 42.2/36
Right: 147.548+/-27.855 χ²/NDF: 31.6/34
In: 30.665+/-19.832 χ²/NDF:35.2/33
Out: 21.678+/-19.751 χ²/NDF:63.9/37
All: 26.153+/-13.995 χ²/NDF: 99.2/71



Right In: 104.286+/-0.028 χ^2/NDF: 378310.9/15

Left Out: 87.893+/-0.016 χ^2/NDF:269055.7/18

Right Out: 105.568+/-0.028 χ^2/NDF: 344605.9/18

Left In: 87.734+/-0.016 χ^2/NDF:190585.9/17

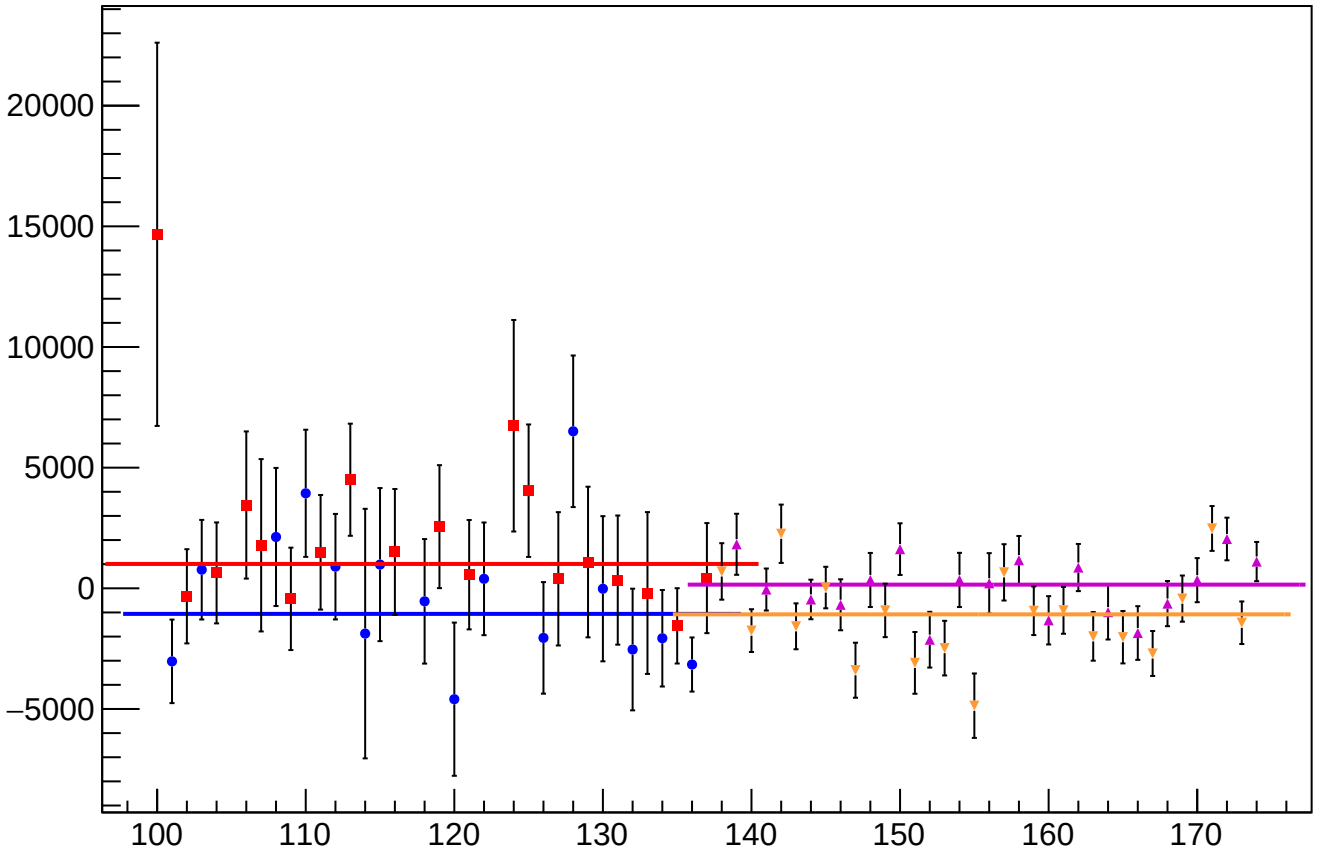
Left: 87.814+/-0.011 χ^2/NDF: 459690.0/36

Right: 104.929+/-0.020 χ^2/NDF: 723975.9/34

In: 91.918+/-0.014 χ^2/NDF:832038.3/33

Out: 92.348+/-0.014 χ^2/NDF:915619.8/37

All: 92.134+/-0.010 χ^2/NDF: 1748131.0/71



Right In: -1059.357+/-557.645 χ^2/NDF: 20.0/15

Left Out: -1078.662+/-235.770 χ^2/NDF:50.8/18

Right Out: 1009.907+/-575.100 χ^2/NDF: 13.3/18

Left In: 152.287+/-236.083 χ^2/NDF:23.5/17

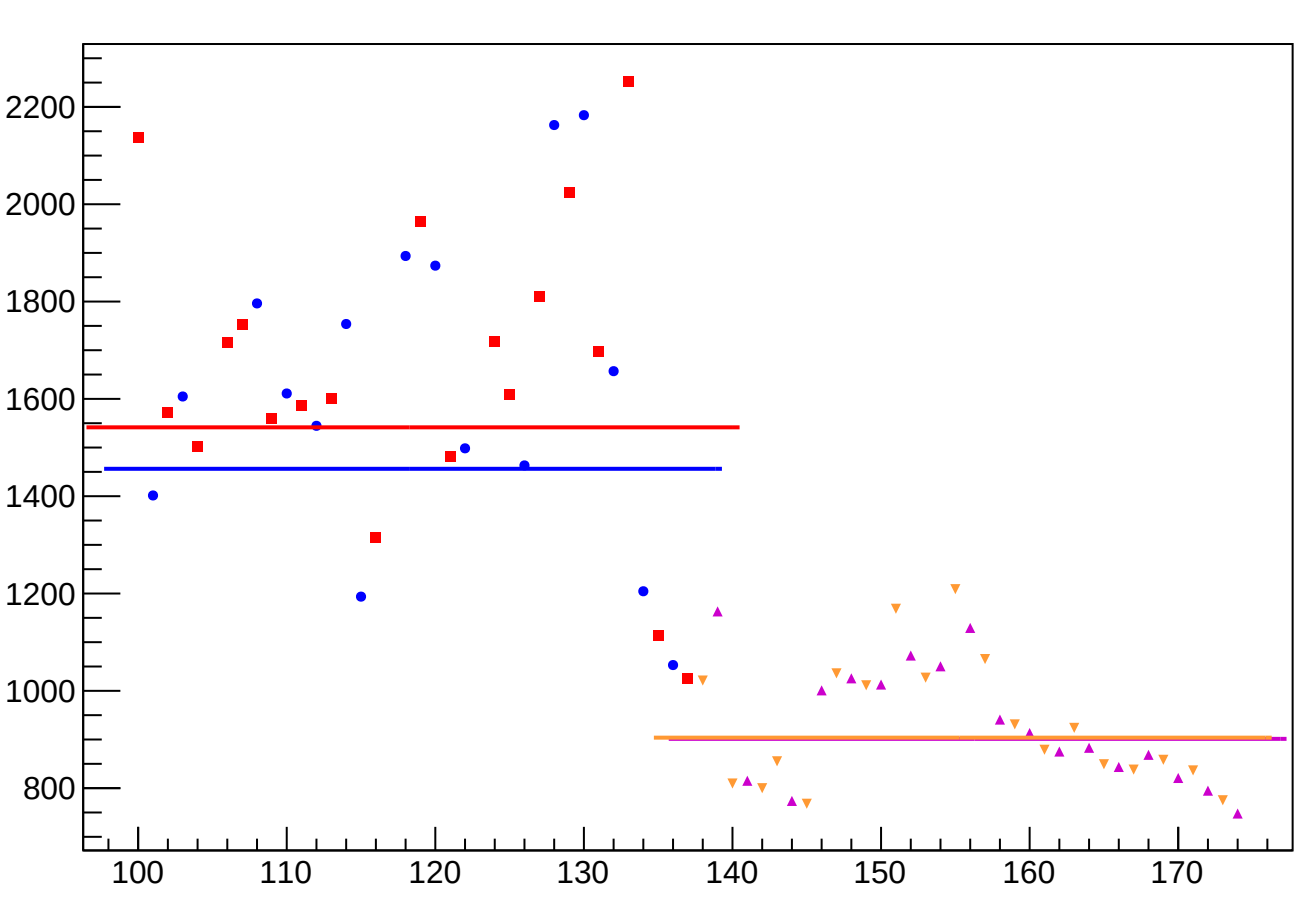
Left: -464.005+/-166.825 χ^2/NDF: 88.0/36

Right: -56.604+/-400.343 χ^2/NDF: 40.0/34

In: -31.871+/-217.403 χ^2/NDF:47.6/33

Out: -778.144+/-218.149 χ^2/NDF:75.4/37

All: -403.729+/-153.990 χ^2/NDF: 128.9/71



Right In: 1456.303+/-0.394 χ^2/NDF: 684806.5/15

Left Out: 903.791+/-0.167 χ^2/NDF:486660.3/18

Right Out: 1541.522+/-0.407 χ^2/NDF: 519336.6/18

Left In: 901.320+/-0.167 χ^2/NDF:492690.4/17

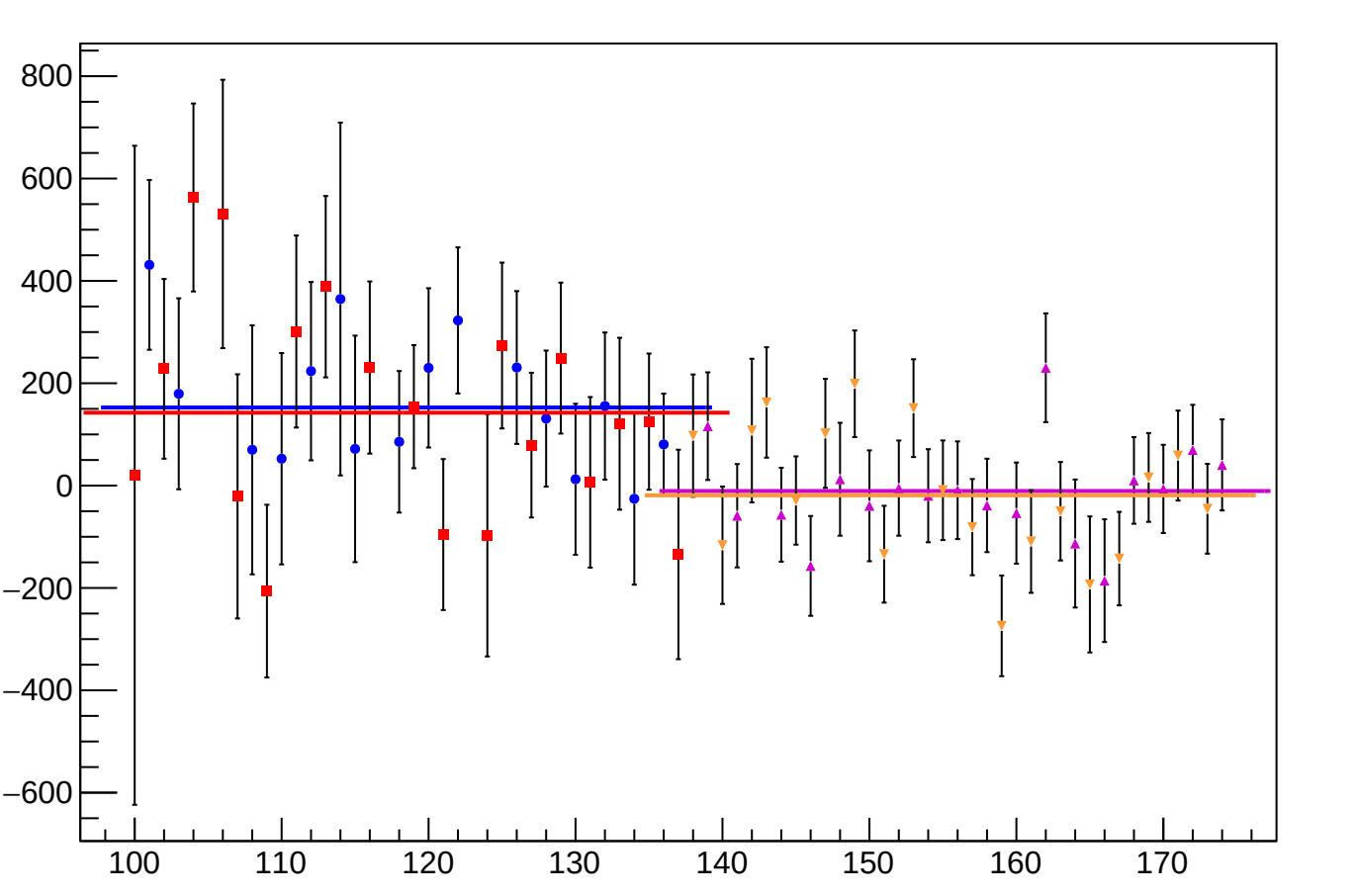
Left: 902.557+/-0.118 χ^2/NDF: 979460.4/36

Right: 1497.600+/-0.283 χ^2/NDF: 1226777.5/34

In: 985.672+/-0.154 χ^2/NDF:2857363.8/33

Out: 995.552+/-0.154 χ^2/NDF:3111471.7/37

All: 990.595+/-0.109 χ^2/NDF: 5970893.7/71



Right In: 152.628+/-39.446 χ^2/NDF: 8.6/15

Left Out: -19.039+/-22.838 χ^2/NDF:28.3/18

Right Out: 142.494+/-39.340 χ^2/NDF: 22.9/18

Left In: -10.593+/-22.943 χ^2/NDF:13.8/17

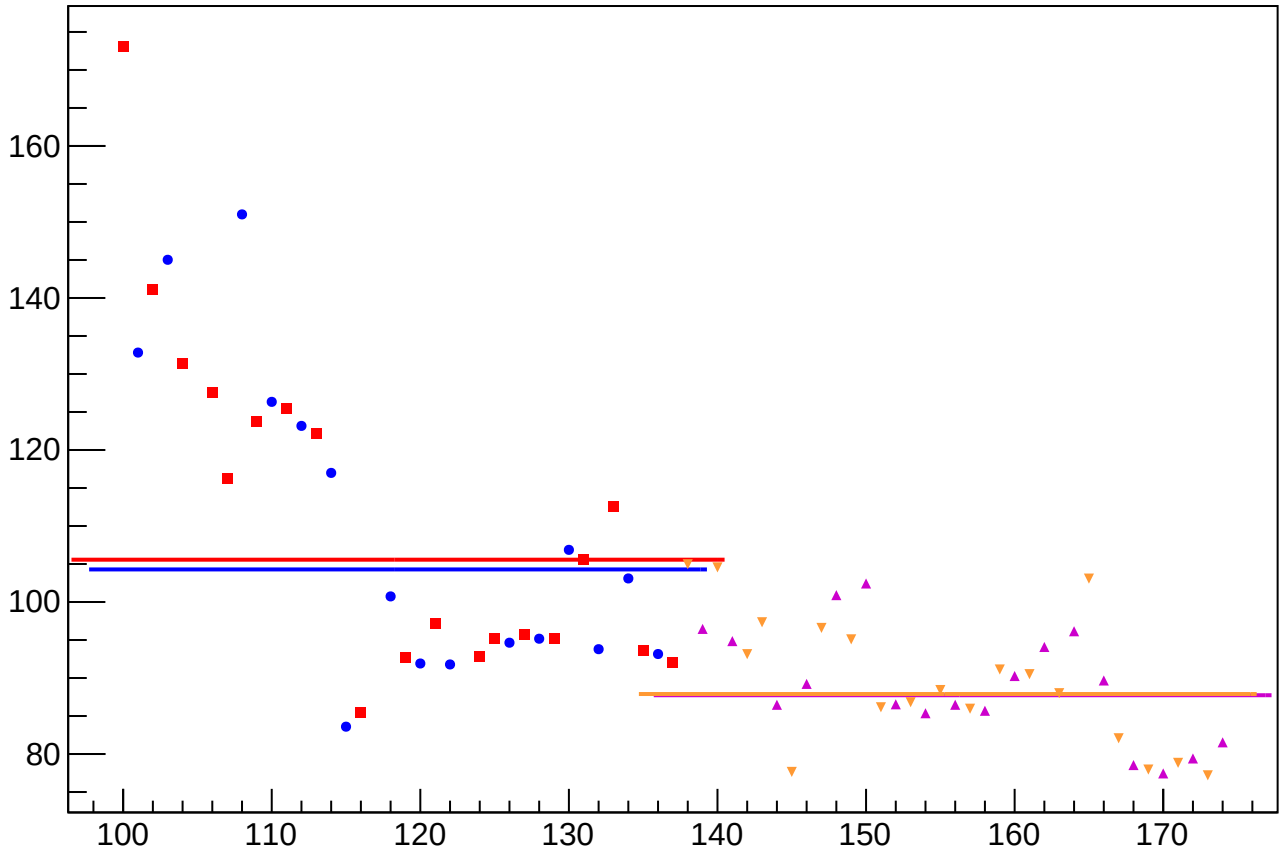
Left: -14.835+/-16.186 χ^2/NDF: 42.2/36

Right: 147.548+/-27.855 χ^2/NDF: 31.6/34

In: 30.666+/-19.832 χ^2/NDF:35.2/33

Out: 21.678+/-19.751 χ^2/NDF:63.9/37

All: 26.153+/-13.995 χ^2/NDF: 99.2/71



Right In: 104.285+/-0.028 χ^2/NDF: 378313.2/15

Left Out: 87.893+/-0.016 χ^2/NDF:269053.7/18

Right Out: 105.567+/-0.028 χ^2/NDF: 344605.1/18

Left In: 87.734+/-0.016 χ^2/NDF:190586.4/17

Left: 87.814+/-0.011 χ^2/NDF: 459688.5/36

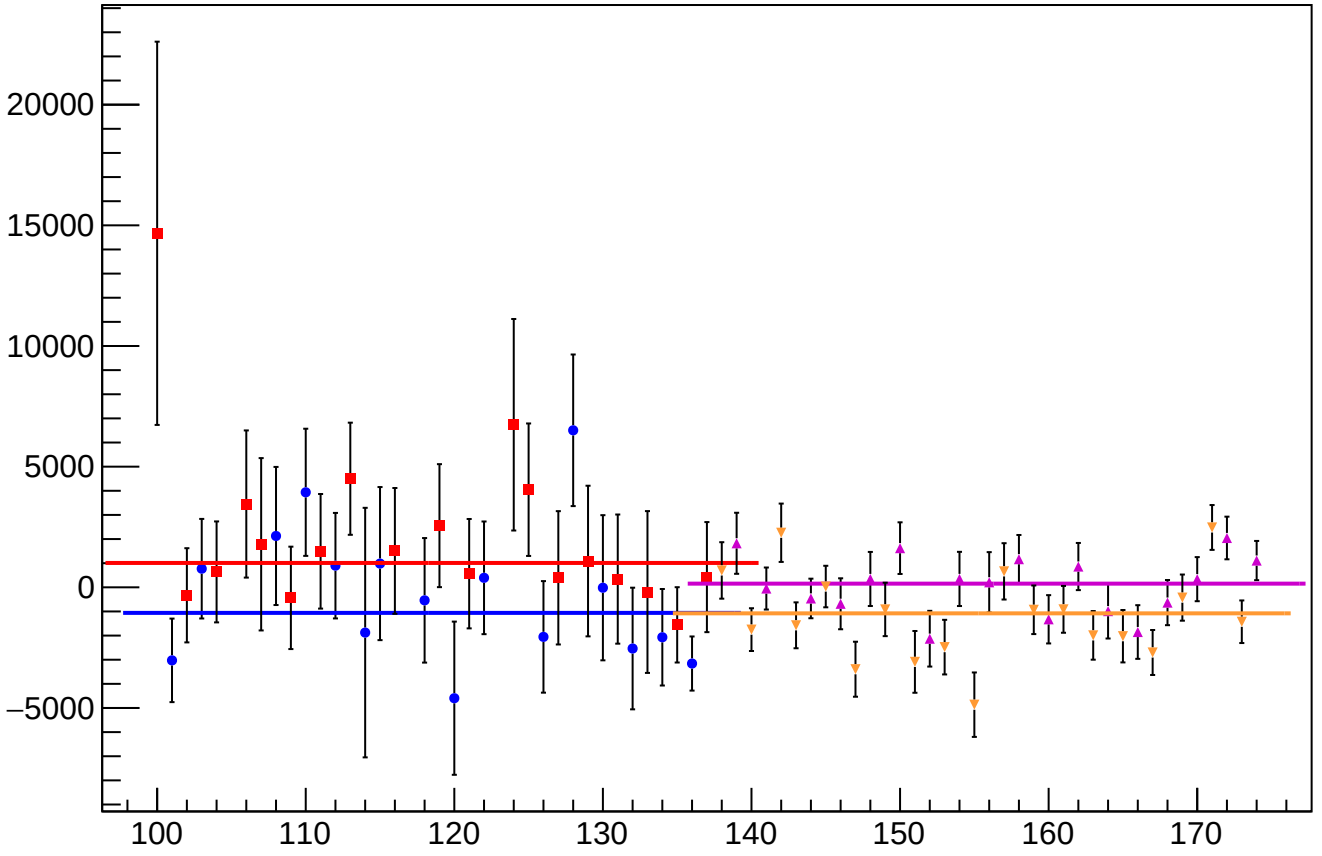
Right: 104.928+/-0.020 χ^2/NDF: 723977.9/34

In: 91.918+/-0.014 χ^2/NDF:832013.1/33

Out: 92.348+/-0.014 χ^2/NDF:915592.1/37

All: 92.134+/-0.010 χ^2/NDF: 1748078.3/71

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1059.353+/-557.644 χ^2/NDF: 20.0/15

Left Out: -1078.662+/-235.770 χ^2/NDF:50.8/18

Right Out: 1009.907+/-575.099 χ^2/NDF: 13.3/18

Left In: 152.286+/-236.083 χ^2/NDF:23.5/17

Left: -464.006+/-166.825 χ^2/NDF: 88.0/36

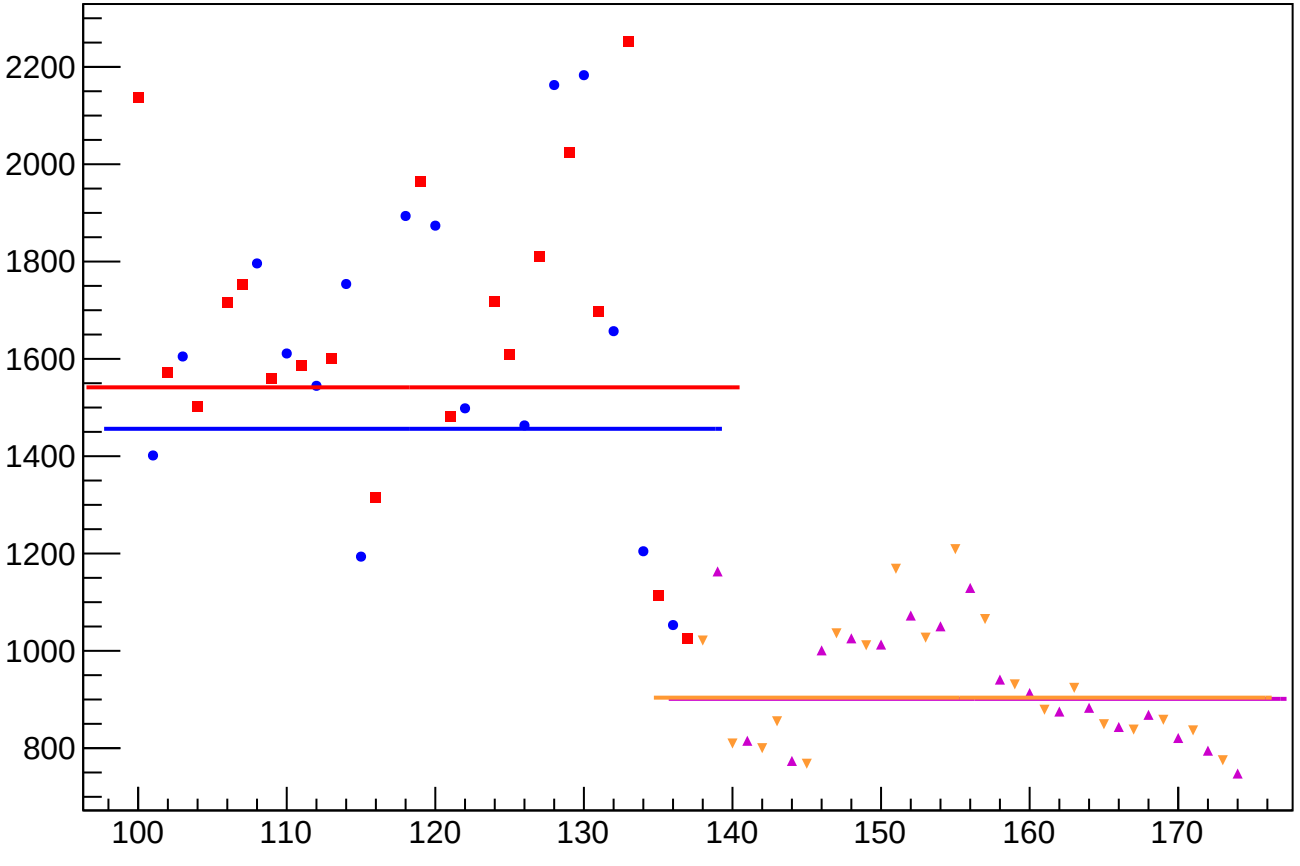
Right: -56.602+/-400.342 χ^2/NDF: 40.0/34

In: -31.872+/-217.403 χ^2/NDF:47.6/33

Out: -778.144+/-218.149 χ^2/NDF:75.4/37

All: -403.729+/-153.990 χ^2/NDF: 128.9/71

asym_sam_24_68_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1456.301+/-0.394 χ^2/NDF: 684803.6/15

Left Out: 903.790+/-0.167 χ^2/NDF:486661.2/18

Right Out: 1541.520+/-0.407 χ^2/NDF: 519336.6/18

Left In: 901.319+/-0.167 χ^2/NDF:492689.8/17

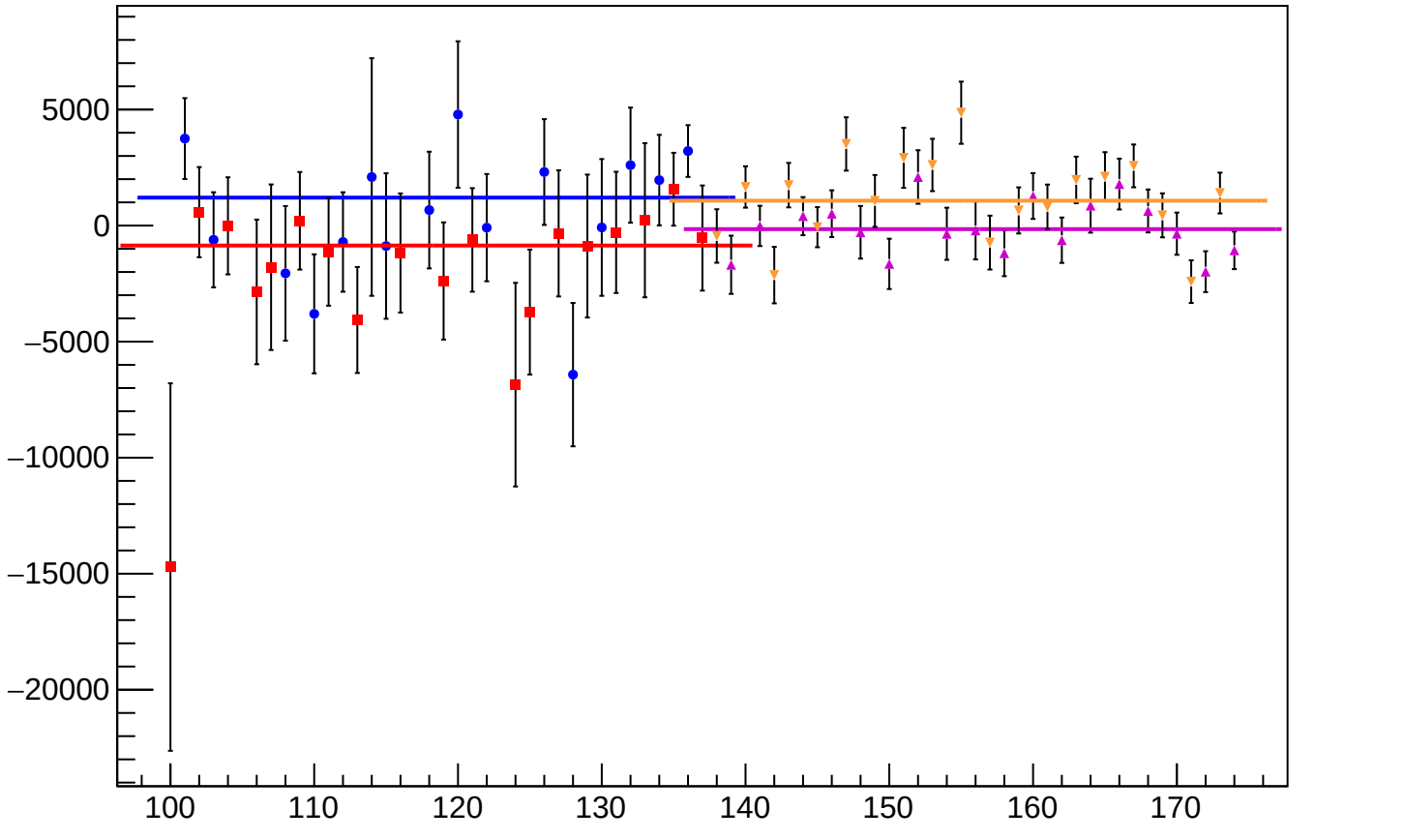
Left: 902.557+/-0.118 χ^2/NDF: 979460.7/36

Right: 1497.597+/-0.283 χ^2/NDF: 1226774.5/34

In: 985.671+/-0.154 χ^2/NDF:2857354.7/33

Out: 995.551+/-0.154 χ^2/NDF:3111464.7/37

All: 990.595+/-0.109 χ^2/NDF: 5970877.6/71



Right In: 1204.691+/-551.729 χ^2/NDF: 21.1/15

Left Out: 1073.027+/-234.947 χ^2/NDF:49.9/18

Right Out: -859.290+/-570.391 χ^2/NDF: 12.5/18

Left In: -152.888+/-235.002 χ^2/NDF:21.9/17

Left: 460.212+/-166.152 χ^2/NDF: 85.4/36

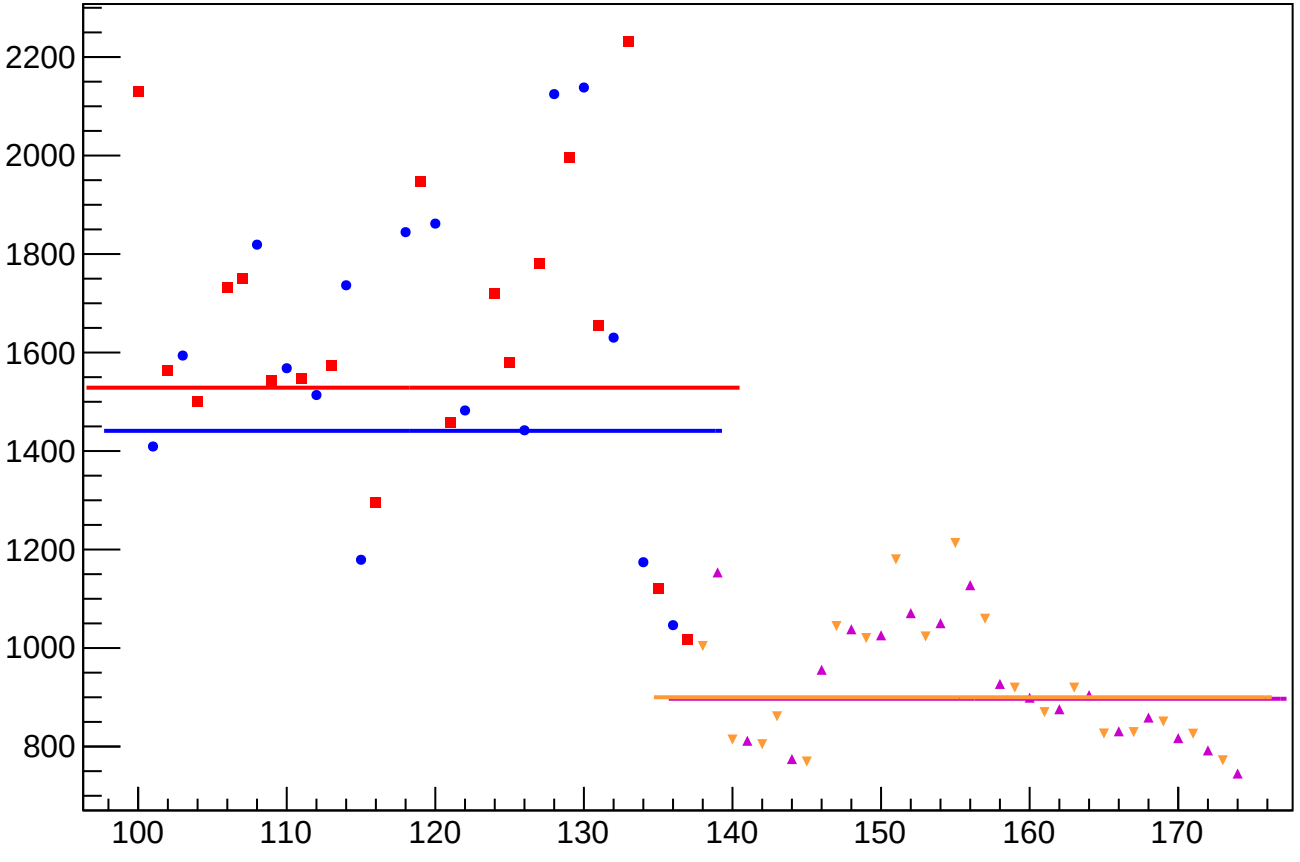
Right: 207.019+/-396.565 χ^2/NDF: 40.4/34

In: 55.585+/-216.206 χ^2/NDF:48.1/33

Out: 792.735+/-217.240 χ^2/NDF:72.2/37

All: 422.403+/-153.245 χ^2/NDF: 126.1/71

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1441.025+/-0.390 χ^2/NDF: 670674.6/15

Left Out: 900.033+/-0.166 χ^2/NDF:501461.9/18

Right Out: 1528.652+/-0.403 χ^2/NDF: 501717.6/18

Left In: 897.010+/-0.166 χ^2/NDF:492026.1/17

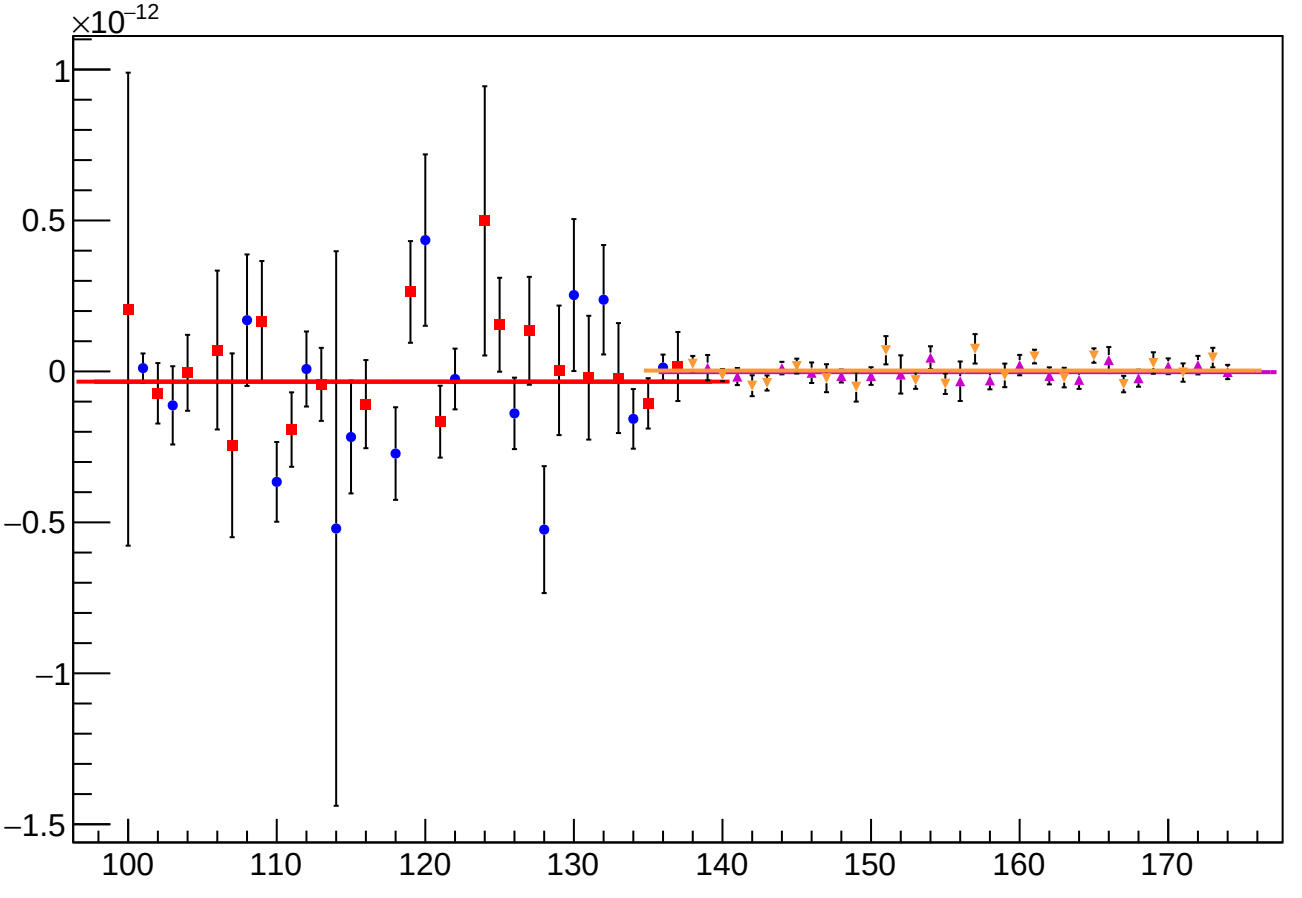
Left: 898.522+/-0.117 χ^2/NDF: 993653.6/36

Right: 1483.381+/-0.280 χ^2/NDF: 1196778.1/34

In: 980.550+/-0.153 χ^2/NDF:2808570.5/33

Out: 991.217+/-0.154 χ^2/NDF:3079989.4/37

All: 985.858+/-0.108 χ^2/NDF: 5890982.6/71



Right In: -0.000+/-0.000 χ^2/NDF: 27.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: -0.000+/-0.000 χ^2/NDF:7.9/17

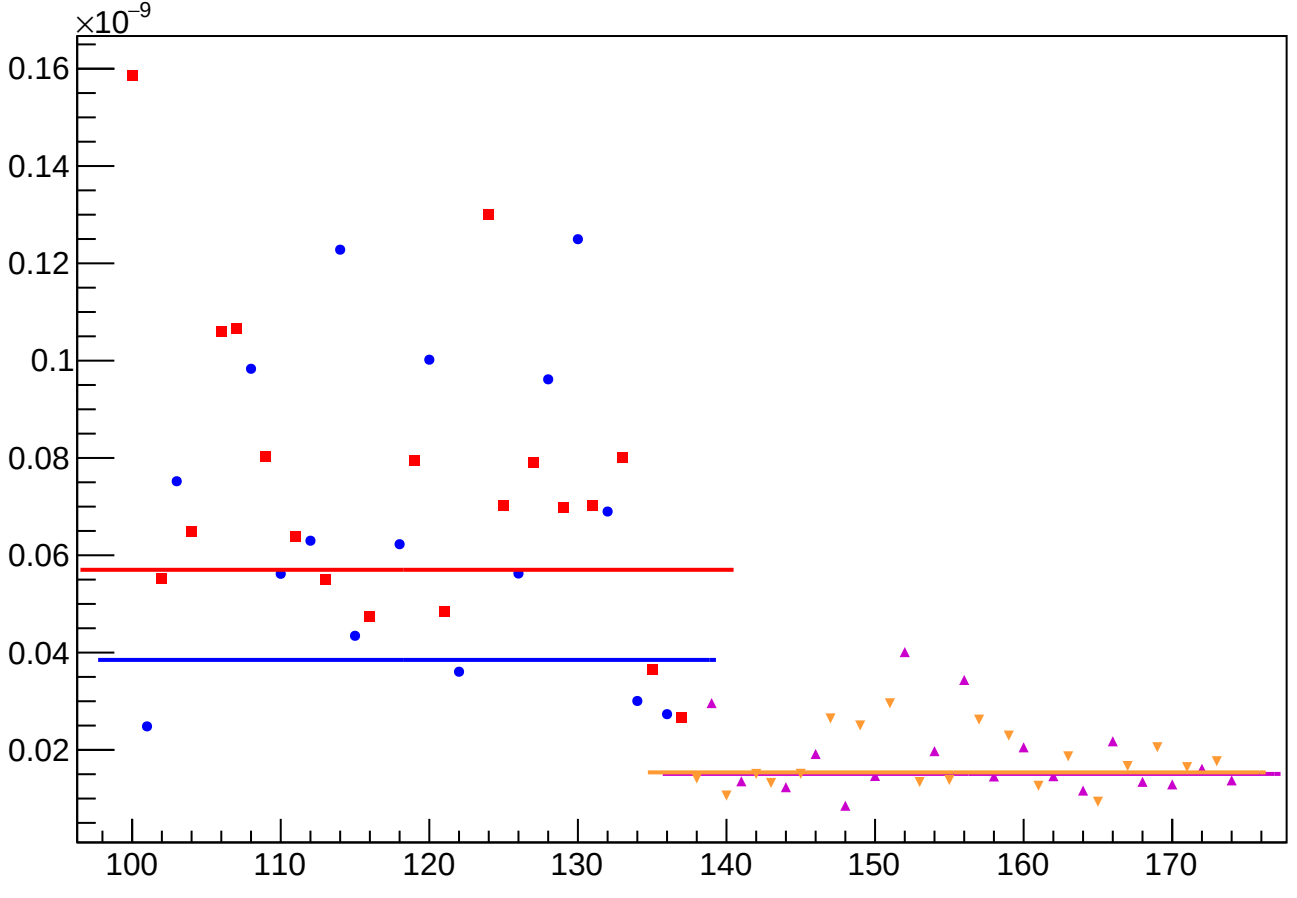
Left: 0.000+/-0.000 χ^2/NDF: 37.5/36

Right: -0.000+/-0.000 χ^2/NDF: 40.4/34

In: -0.000+/-0.000 χ^2/NDF:36.8/33

Out: 0.000+/-0.000 χ^2/NDF:43.4/37

All: -0.000+/-0.000 χ^2/NDF: 80.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 1382311.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:931963.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 660994.1/18

Left In: 0.000+/-0.000 χ^2/NDF:1169946.1/17

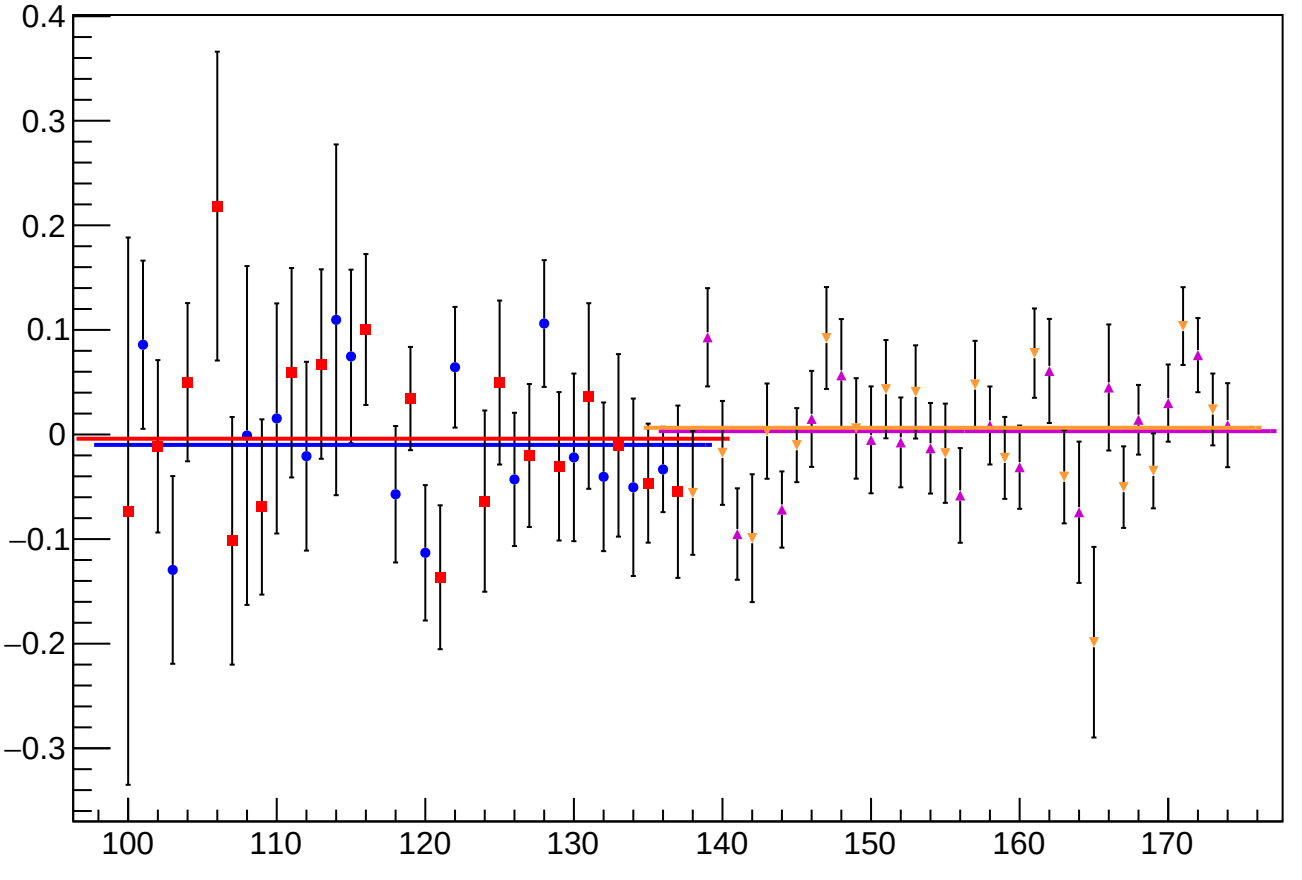
Left: 0.000+/-0.000 χ^2/NDF: 2103978.6/36

Right: 0.000+/-0.000 χ^2/NDF: 2430892.0/34

In: 0.000+/-0.000 χ^2/NDF:4173074.5/33

Out: 0.000+/-0.000 χ^2/NDF:4508371.4/37

All: 0.000+/-0.000 χ^2/NDF: 8682617.3/71



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.1/18

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

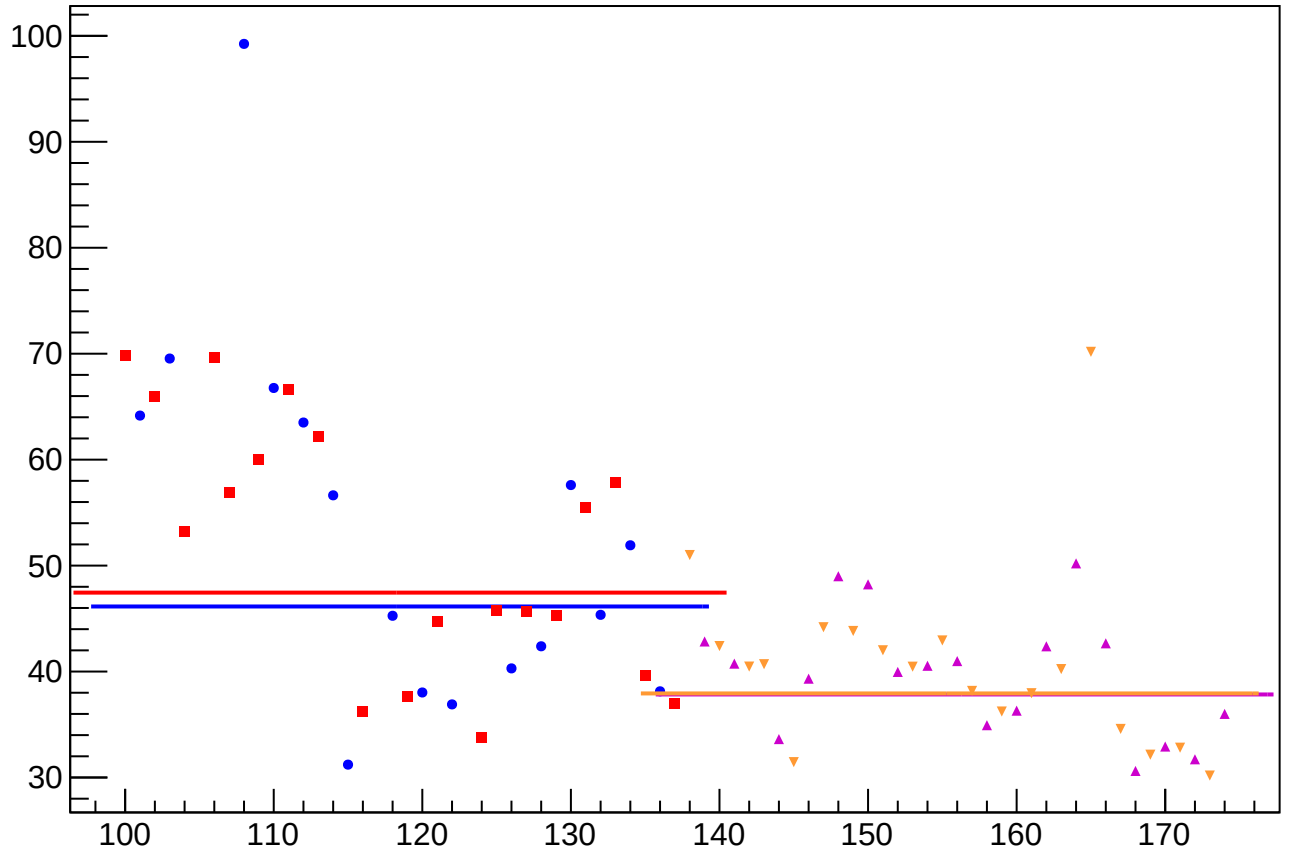
Left: 0.005+/-0.007 χ^2/NDF: 55.0/36

Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.004+/-0.009 χ^2/NDF:44.3/37

All: 0.002+/-0.006 χ^2/NDF: 83.8/71



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 37.934+/-0.007 χ^2/NDF:764586.2/18

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

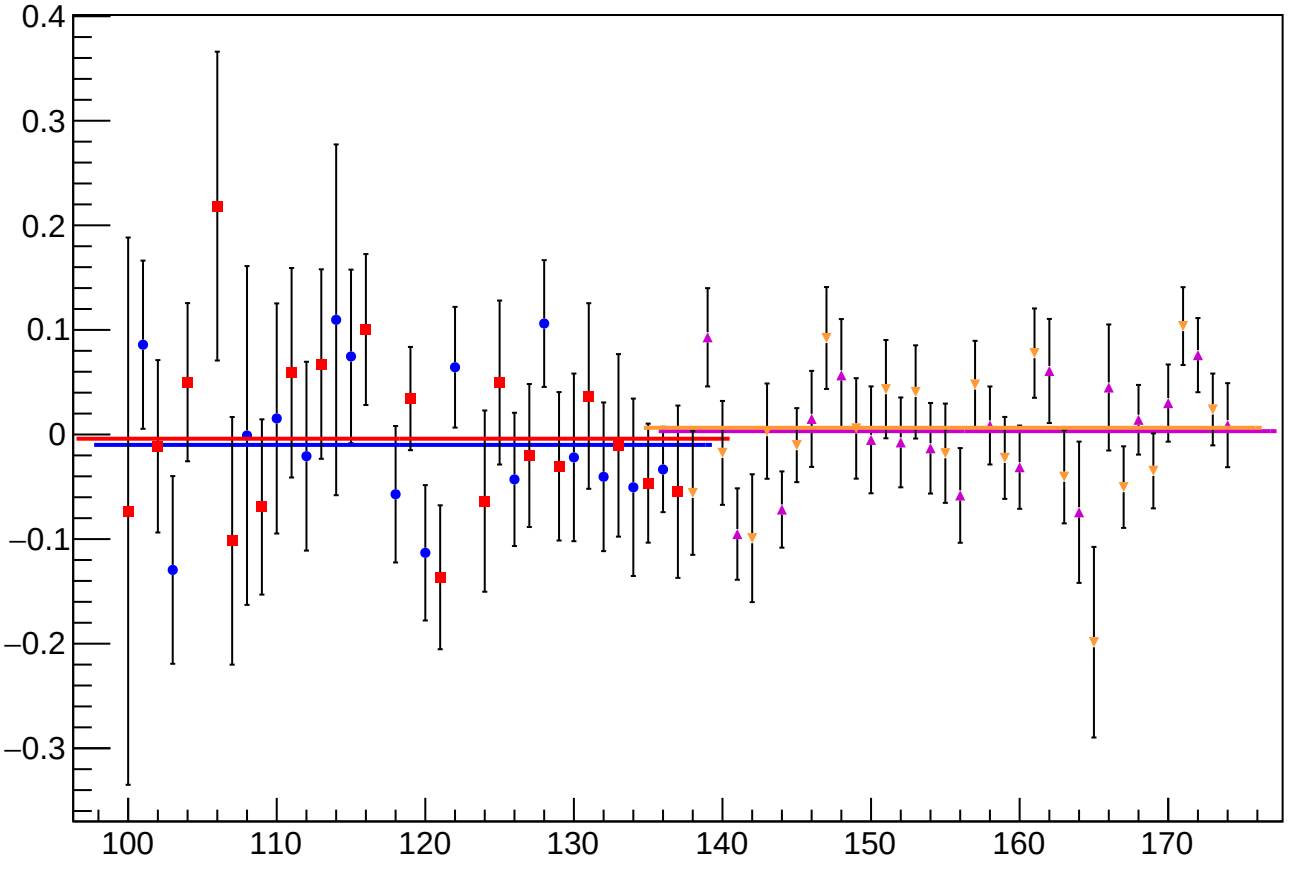
Left: 37.886+/-0.005 χ^2/NDF: 1321135.8/36

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 39.828+/-0.006 χ^2/NDF:1783595.3/33

Out: 40.178+/-0.006 χ^2/NDF:1842009.5/37

All: 40.004+/-0.004 χ^2/NDF: 3627187.1/71



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.1/18

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

Left: 0.005+/-0.007 χ^2/NDF: 55.0/36

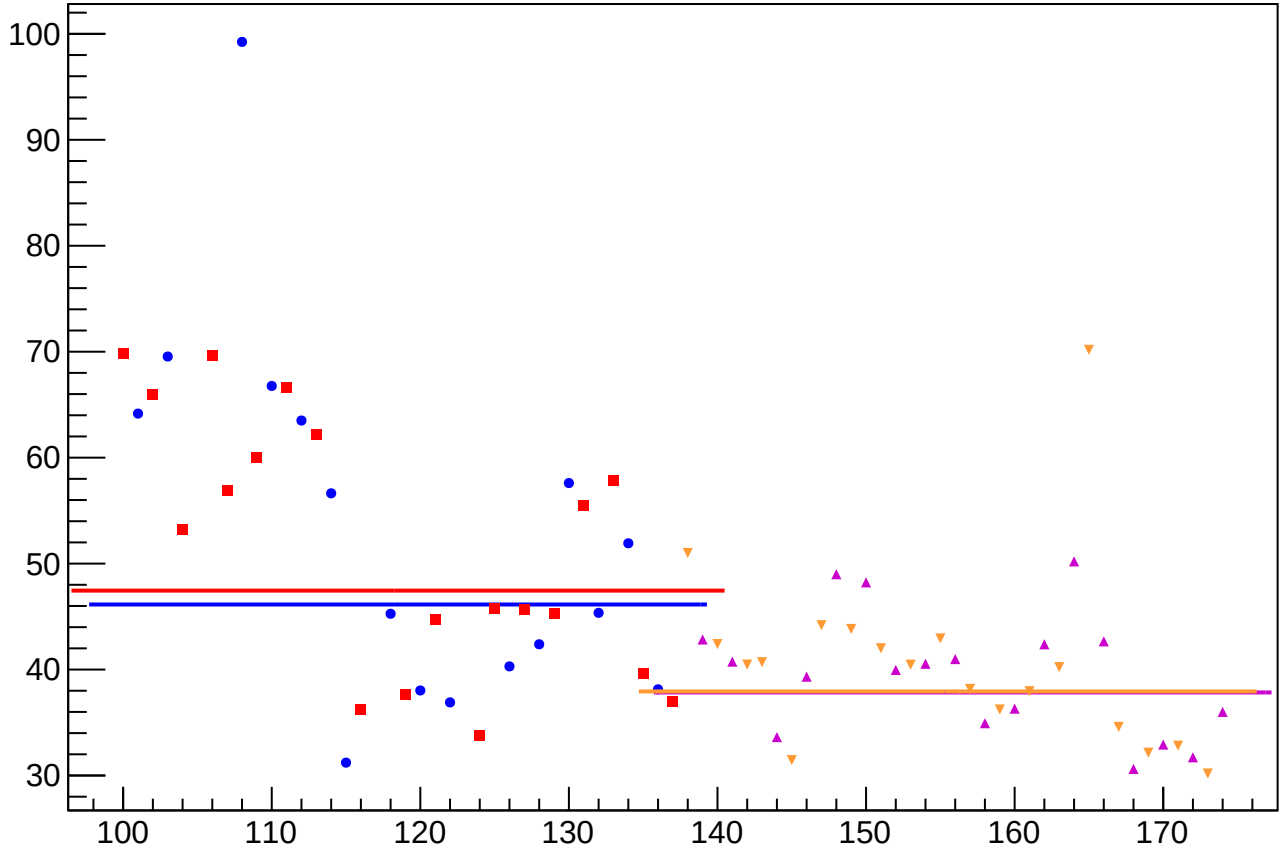
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.004+/-0.009 χ^2/NDF:44.3/37

All: 0.002+/-0.006 χ^2/NDF: 83.8/71

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.141+/-0.013 χ^2/NDF: 903280.2/15

Left Out: 37.934+/-0.007 χ^2/NDF:764586.2/18

Right Out: 47.450+/-0.013 χ^2/NDF: 654693.6/18

Left In: 37.838+/-0.007 χ^2/NDF:556457.4/17

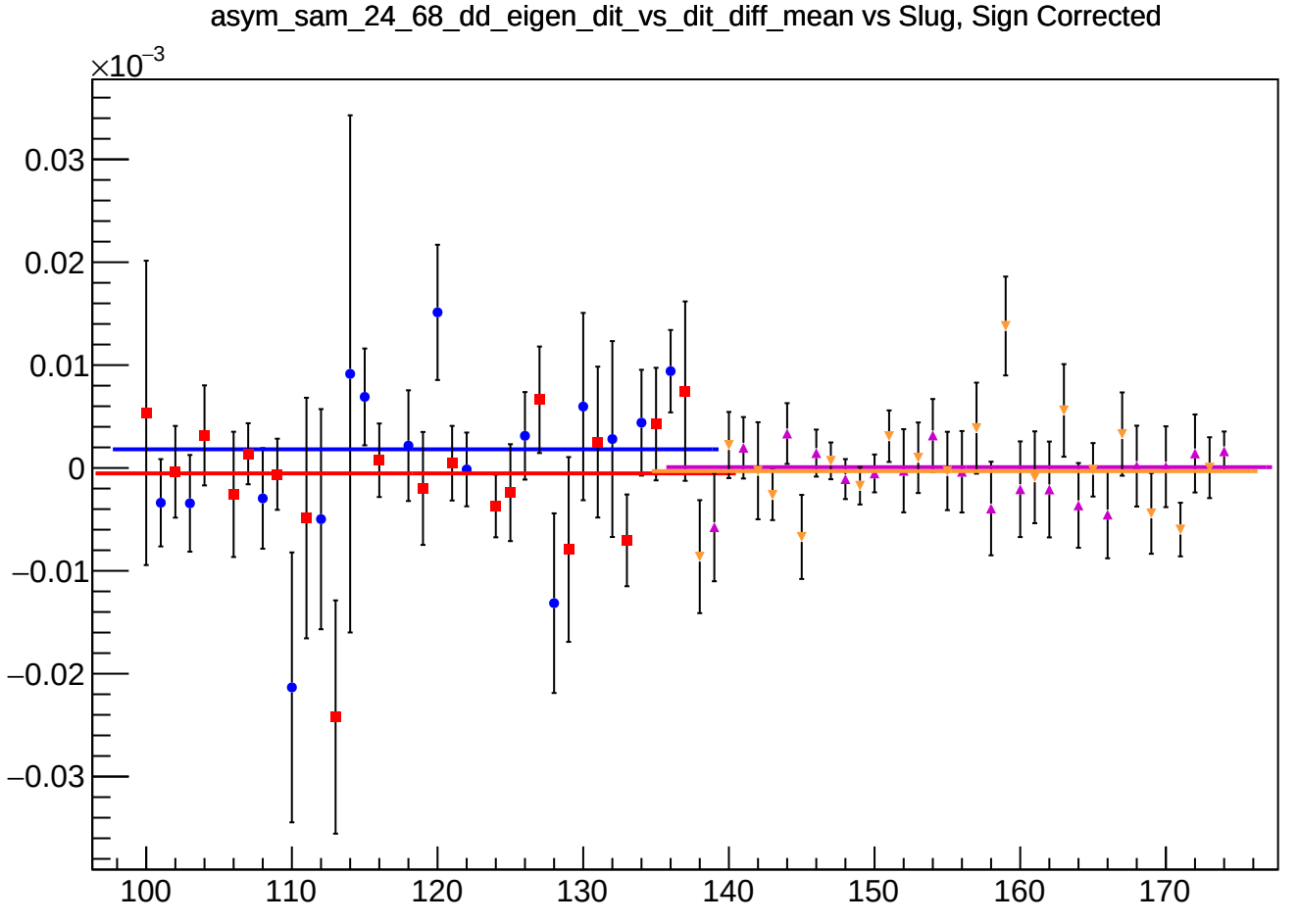
Left: 37.886+/-0.005 χ^2/NDF: 1321135.8/36

Right: 46.792+/-0.009 χ^2/NDF: 1563231.6/34

In: 39.828+/-0.006 χ^2/NDF:1783595.3/33

Out: 40.178+/-0.006 χ^2/NDF:1842009.5/37

All: 40.004+/-0.004 χ^2/NDF: 3627187.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:27.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.8/18

Left In: 0.000+/-0.000 χ^2/NDF:8.4/17

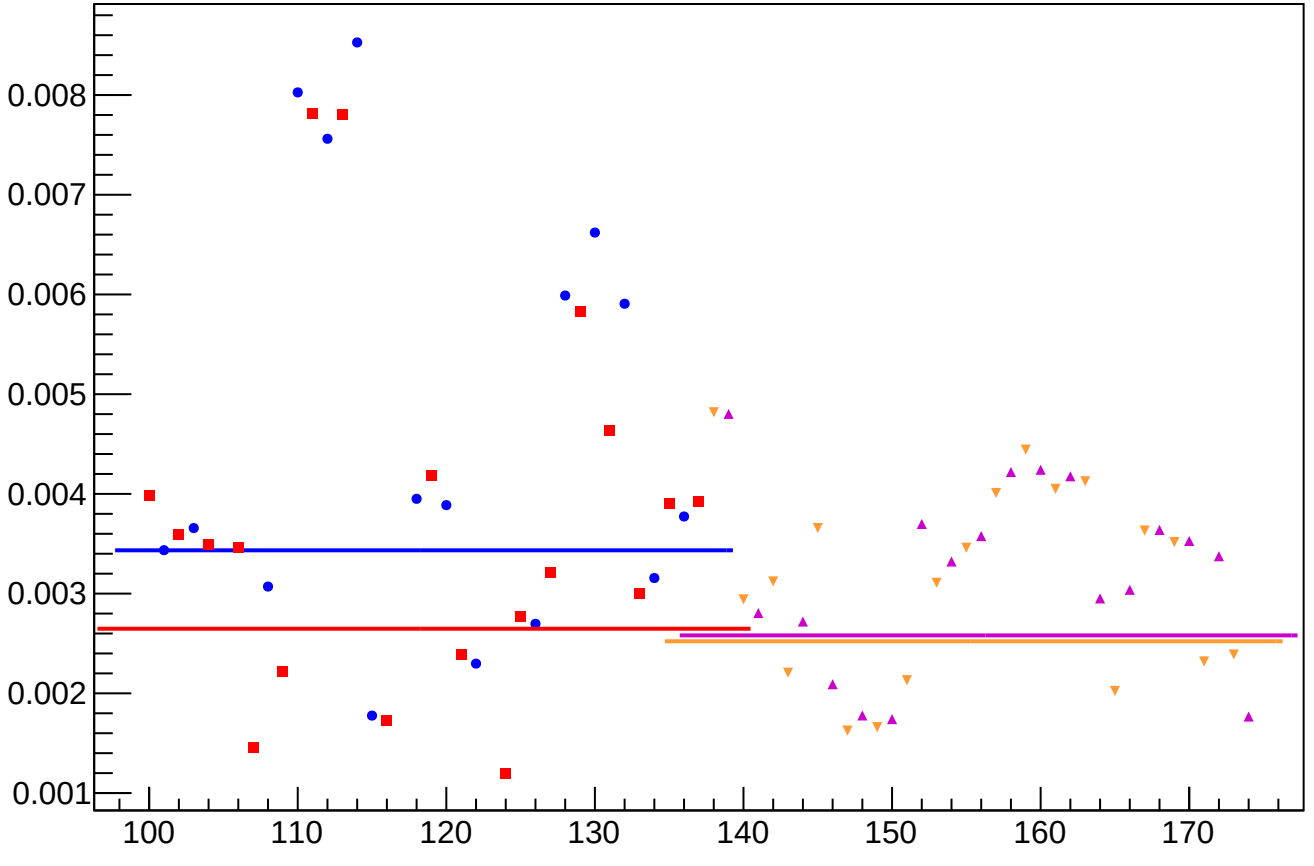
Left: -0.000+/-0.000 χ^2/NDF: 35.6/36

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: 0.000+/-0.000 χ^2/NDF:29.6/33

Out: -0.000+/-0.000 χ^2/NDF:40.9/37

All: 0.000+/-0.000 χ^2/NDF: 71.4/71



Right In: 0.003+/-0.000 χ^2/NDF: 1748561.6/15

Left Out: 0.003+/-0.000 χ^2/NDF:3185111.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 2696872.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3083547.3/17

Left: 0.003+/-0.000 χ^2/NDF: 6275616.5/36

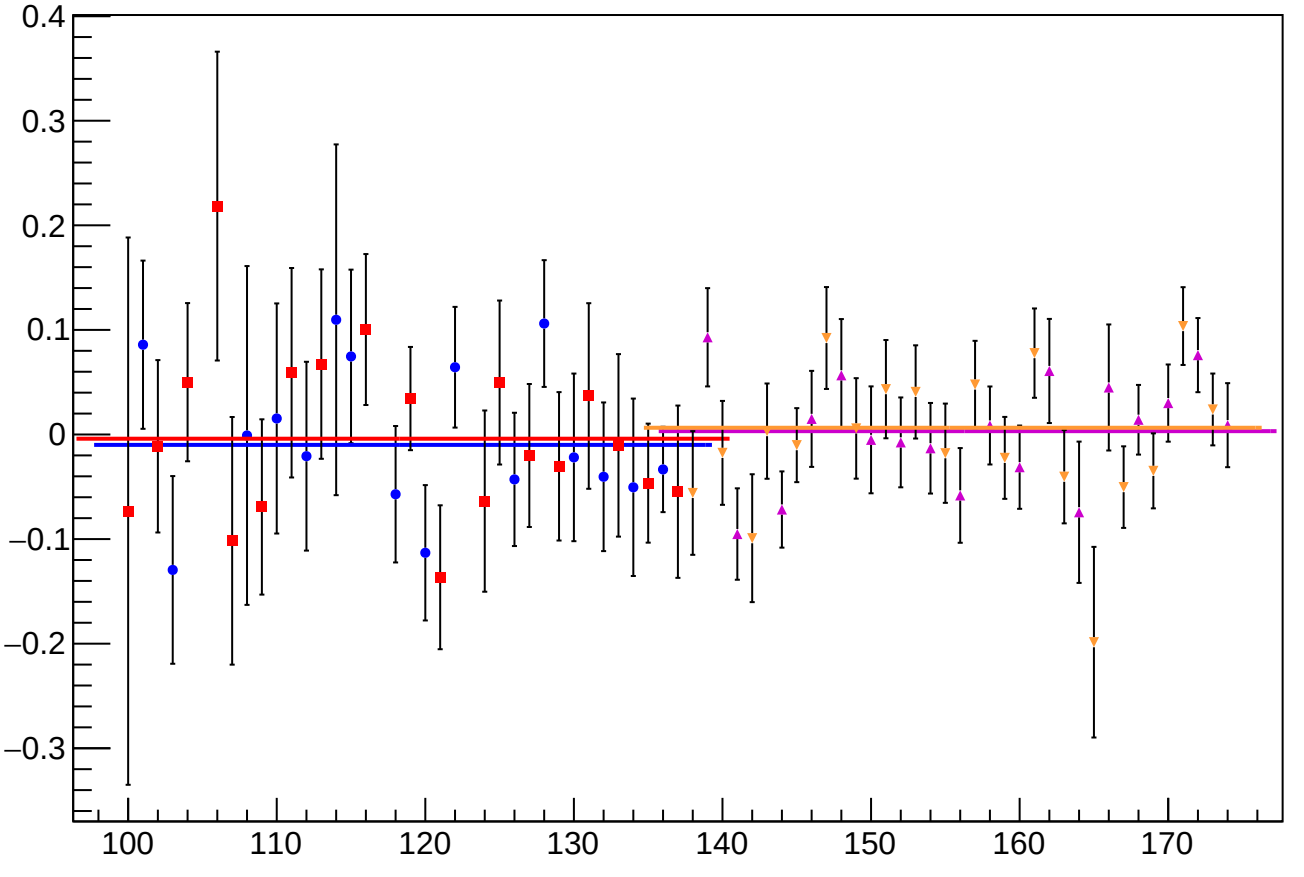
Right: 0.003+/-0.000 χ^2/NDF: 4848064.7/34

In: 0.003+/-0.000 χ^2/NDF:5439350.6/33

Out: 0.003+/-0.000 χ^2/NDF:5900945.0/37

All: 0.003+/-0.000 χ^2/NDF: 11453174.2/71

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.1/18

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

Left: 0.005+/-0.007 χ^2/NDF: 55.0/36

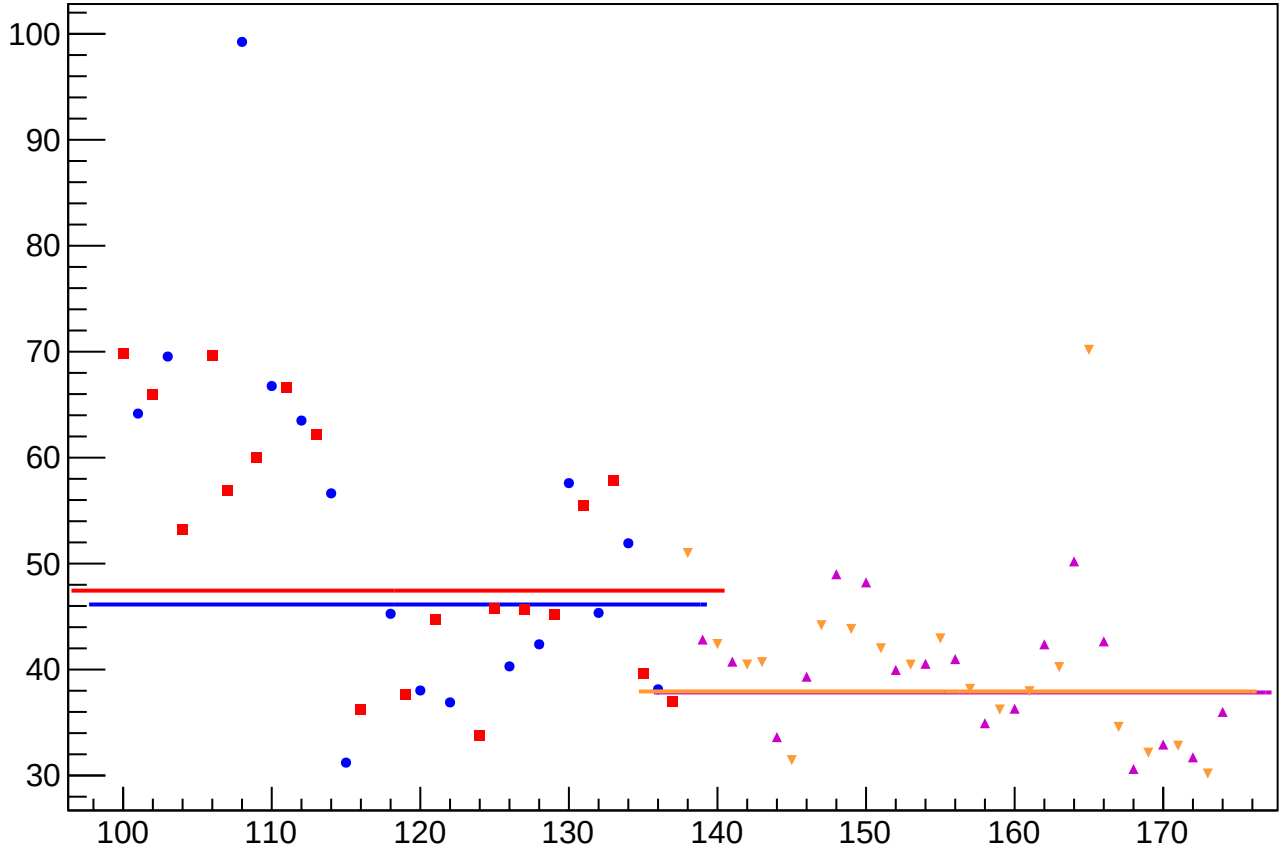
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.004+/-0.009 χ^2/NDF:44.3/37

All: 0.002+/-0.006 χ^2/NDF: 83.8/71

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: 37.934+/-0.007 χ^2/NDF:764609.1/18

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

Left: 37.886+/-0.005 χ^2/NDF: 1321208.2/36

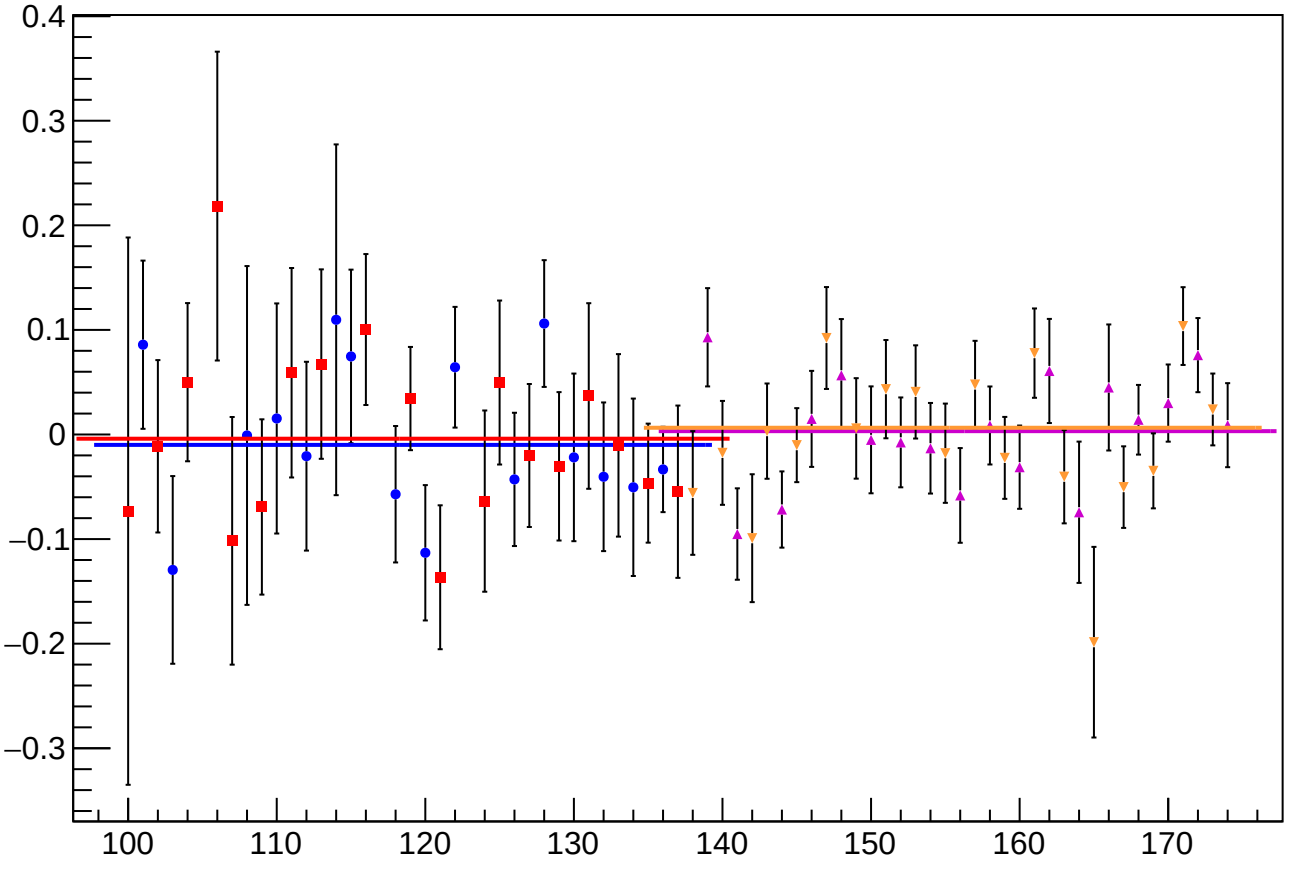
Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 39.828+/-0.006 χ^2/NDF:1783523.5/33

Out: 40.178+/-0.006 χ^2/NDF:1841925.4/37

All: 40.003+/-0.004 χ^2/NDF: 3627034.1/71

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.018 χ^2/NDF: 14.2/15

Left Out: 0.006+/-0.010 χ^2/NDF:30.1/18

Right Out: -0.004+/-0.018 χ^2/NDF: 13.9/18

Left In: 0.003+/-0.010 χ^2/NDF:24.8/17

Left: 0.005+/-0.007 χ^2/NDF: 55.0/36

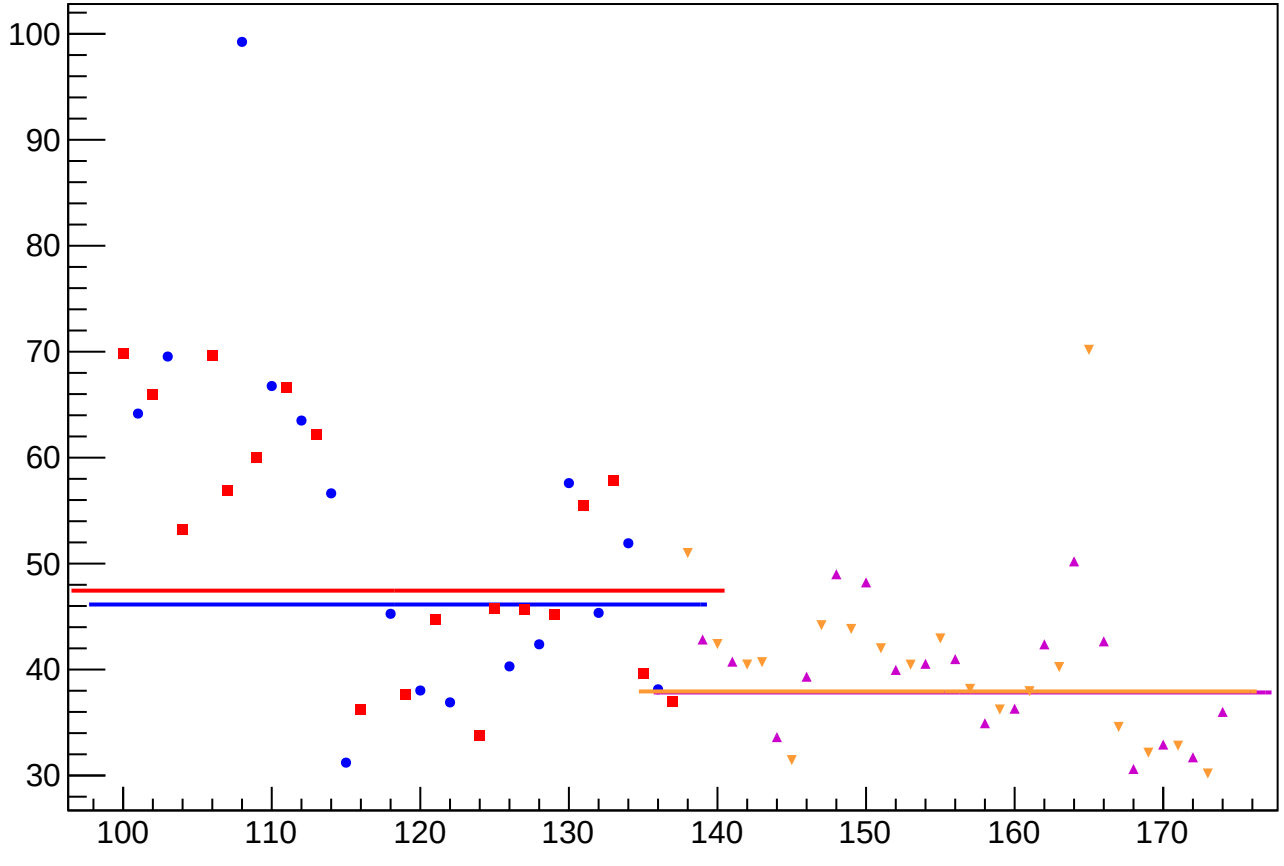
Right: -0.007+/-0.013 χ^2/NDF: 28.1/34

In: 0.000+/-0.009 χ^2/NDF:39.5/33

Out: 0.004+/-0.009 χ^2/NDF:44.3/37

All: 0.002+/-0.006 χ^2/NDF: 83.8/71

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 46.140+/-0.013 χ^2/NDF: 903251.1/15

Left Out: 37.934+/-0.007 χ^2/NDF:764609.1/18

Right Out: 47.448+/-0.013 χ^2/NDF: 654687.8/18

Left In: 37.837+/-0.007 χ^2/NDF:556506.3/17

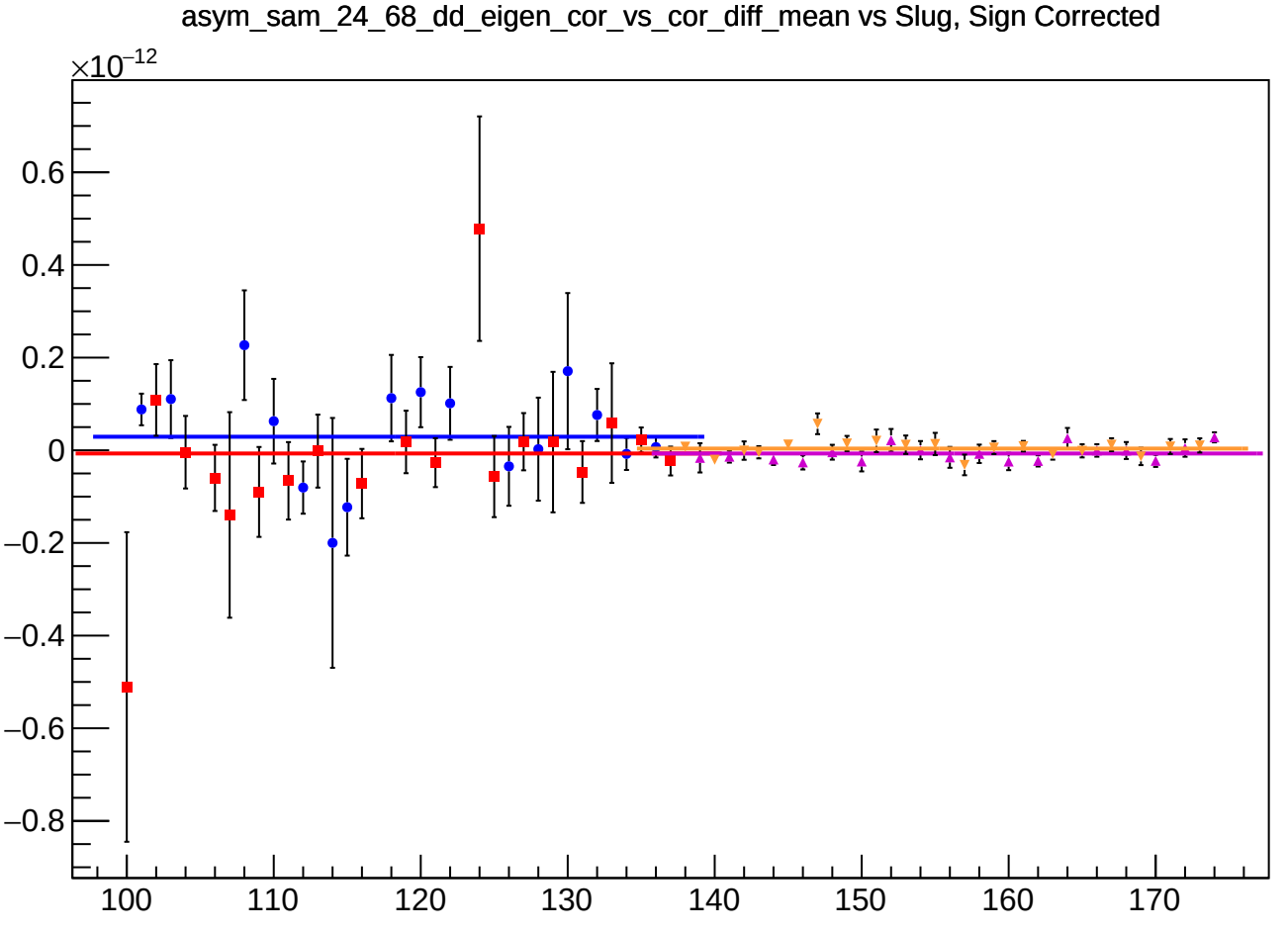
Left: 37.886+/-0.005 χ^2/NDF: 1321208.2/36

Right: 46.790+/-0.009 χ^2/NDF: 1563199.9/34

In: 39.828+/-0.006 χ^2/NDF:1783523.5/33

Out: 40.178+/-0.006 χ^2/NDF:1841925.4/37

All: 40.003+/-0.004 χ^2/NDF: 3627034.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:18.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.3/18

Left In: -0.000+/-0.000 χ^2/NDF:22.7/17

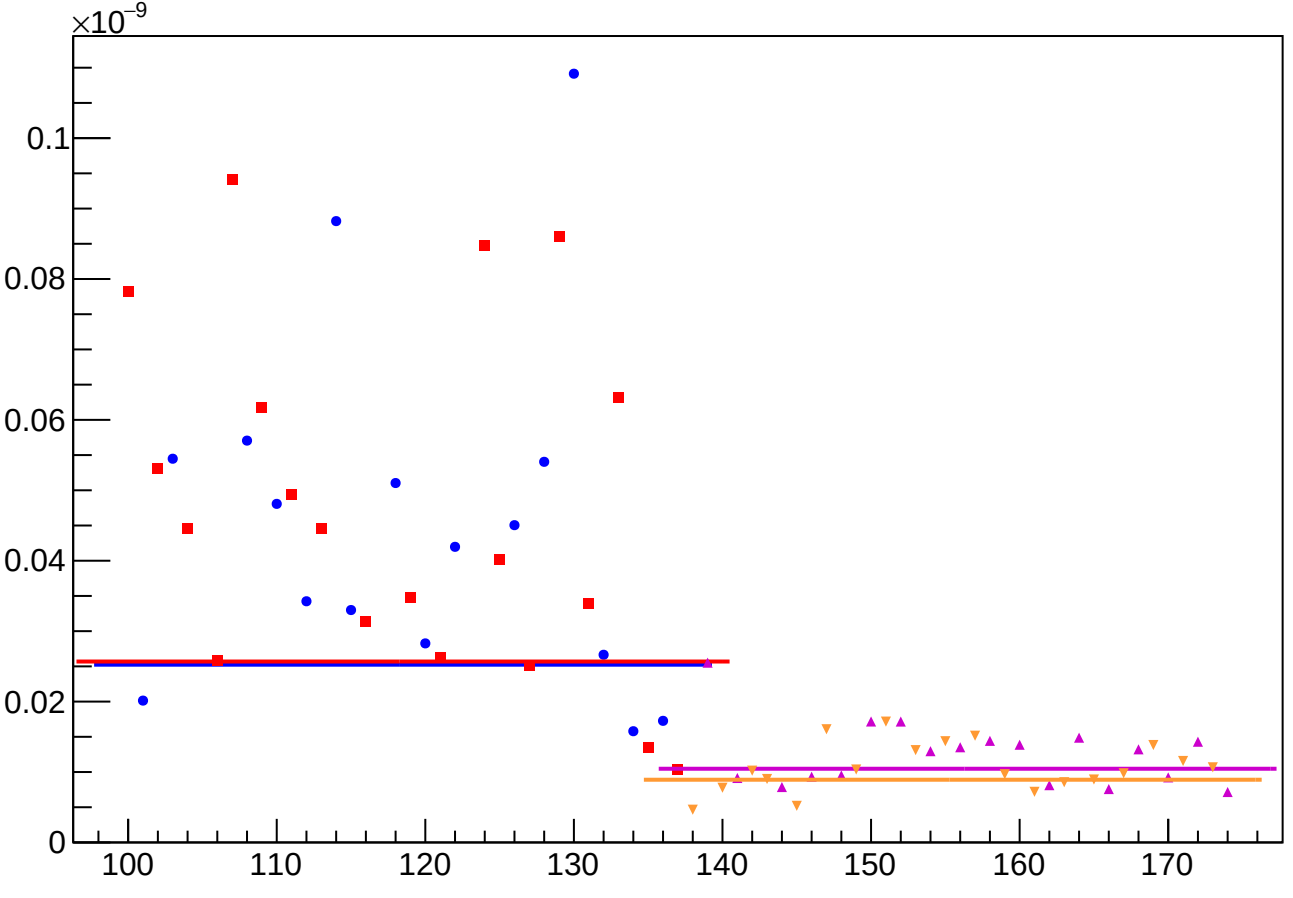
Left: -0.000+/-0.000 χ^2/NDF: 45.9/36

Right: 0.000+/-0.000 χ^2/NDF: 38.5/34

In: -0.000+/-0.000 χ^2/NDF:50.2/33

Out: 0.000+/-0.000 χ^2/NDF:33.5/37

All: -0.000+/-0.000 χ^2/NDF: 86.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 2117960.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1791851.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2790840.2/18

Left In: 0.000+/-0.000 χ^2/NDF:1726954.1/17

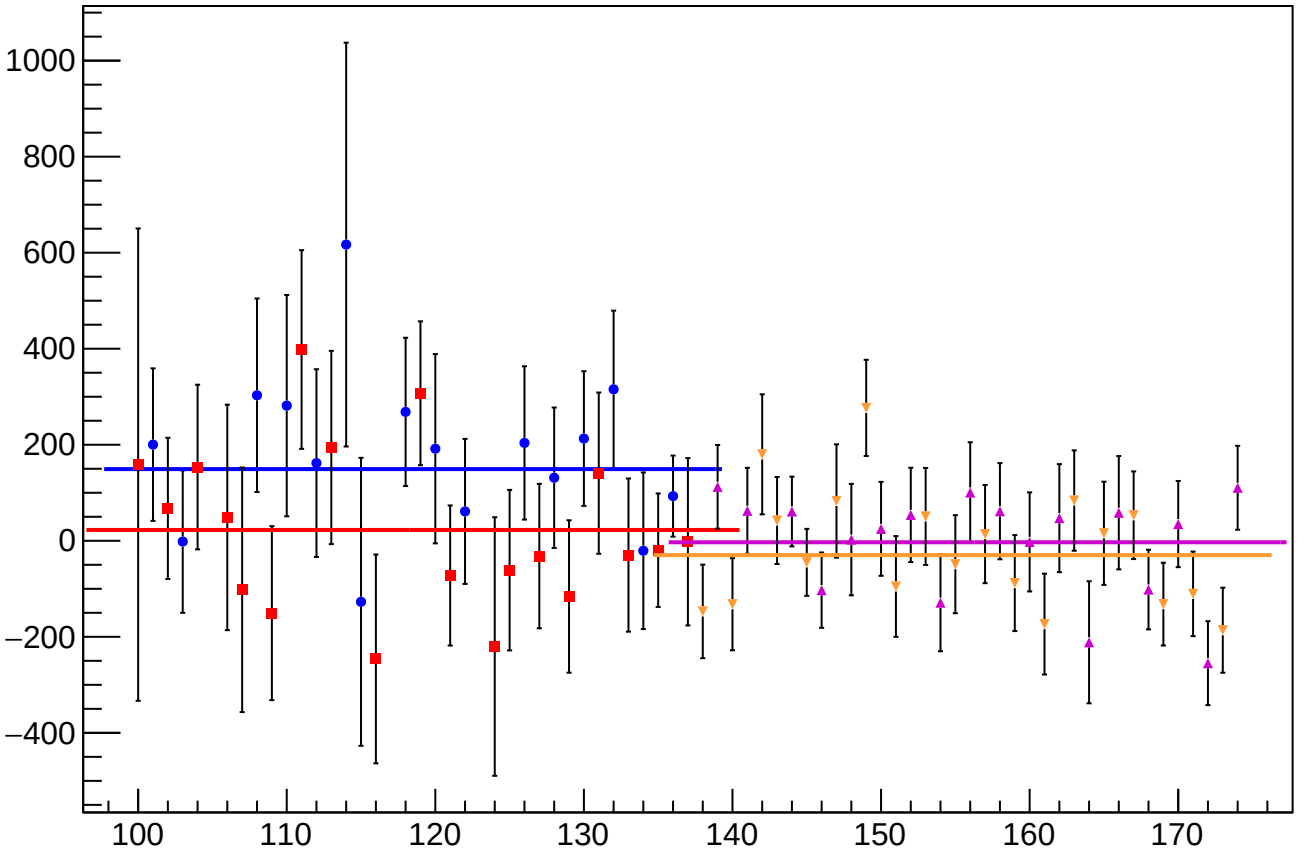
Left: 0.000+/-0.000 χ^2/NDF: 3713160.1/36

Right: 0.000+/-0.000 χ^2/NDF: 4909837.4/34

In: 0.000+/-0.000 χ^2/NDF:6062394.2/33

Out: 0.000+/-0.000 χ^2/NDF:7184743.8/37

All: 0.000+/-0.000 χ^2/NDF: 13519641.5/71



Right In: 149.303+/-39.687 χ^2/NDF: 8.0/15

Left Out: -29.834+/-22.153 χ^2/NDF:27.4/18

Right Out: 22.549+/-40.100 χ^2/NDF: 14.2/18

Left In: -3.082+/-22.263 χ^2/NDF:22.8/17

Left: -16.525+/-15.703 χ^2/NDF: 50.9/36

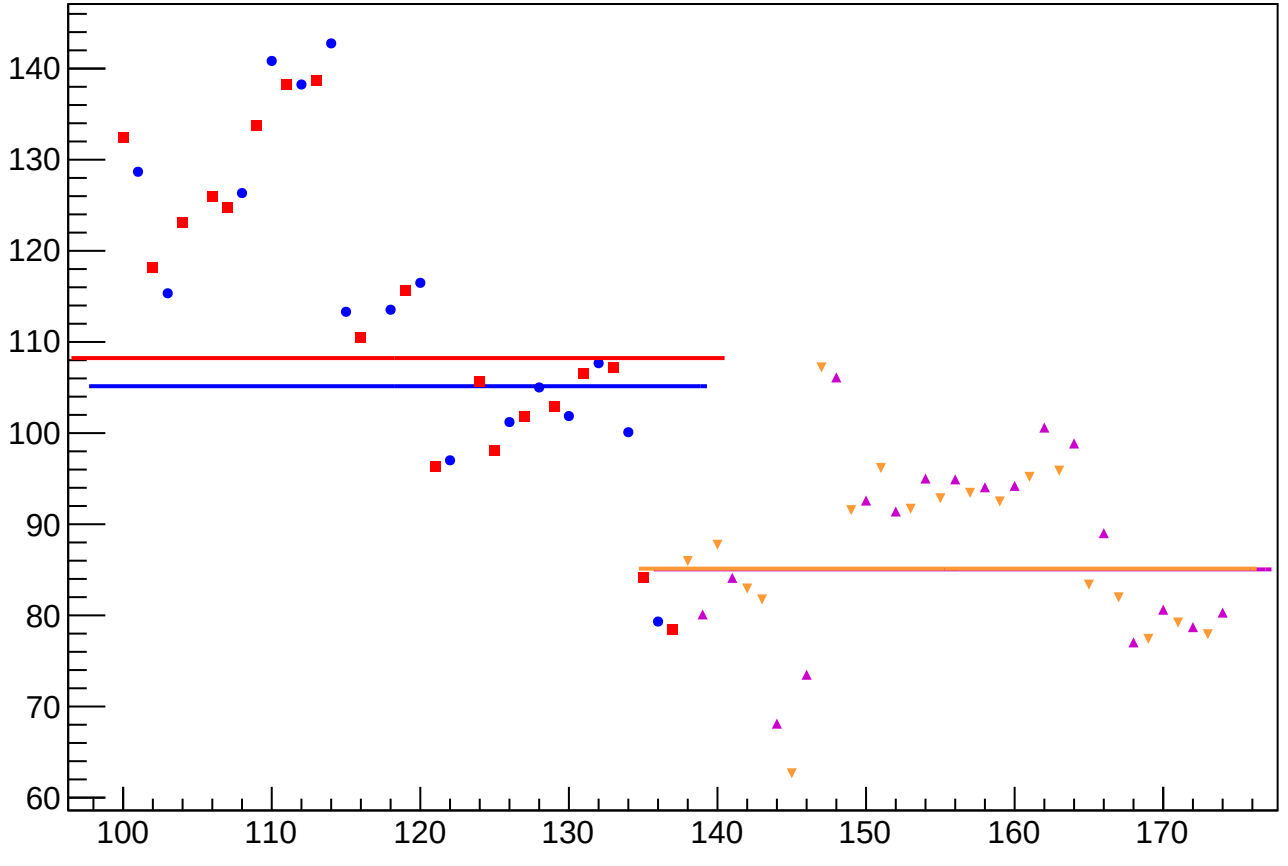
Right: 86.583+/-28.208 χ^2/NDF: 27.3/34

In: 33.393+/-19.417 χ^2/NDF:42.0/33

Out: -17.585+/-19.391 χ^2/NDF:42.9/37

All: 7.869+/-13.721 χ^2/NDF: 88.4/71

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 105.146+/-0.028 χ^2/NDF: 408406.3/15

Left Out: 85.127+/-0.016 χ^2/NDF:437489.0/18

Right Out: 108.233+/-0.028 χ^2/NDF: 349936.1/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

Left: 85.087+/-0.011 χ^2/NDF: 855622.8/36

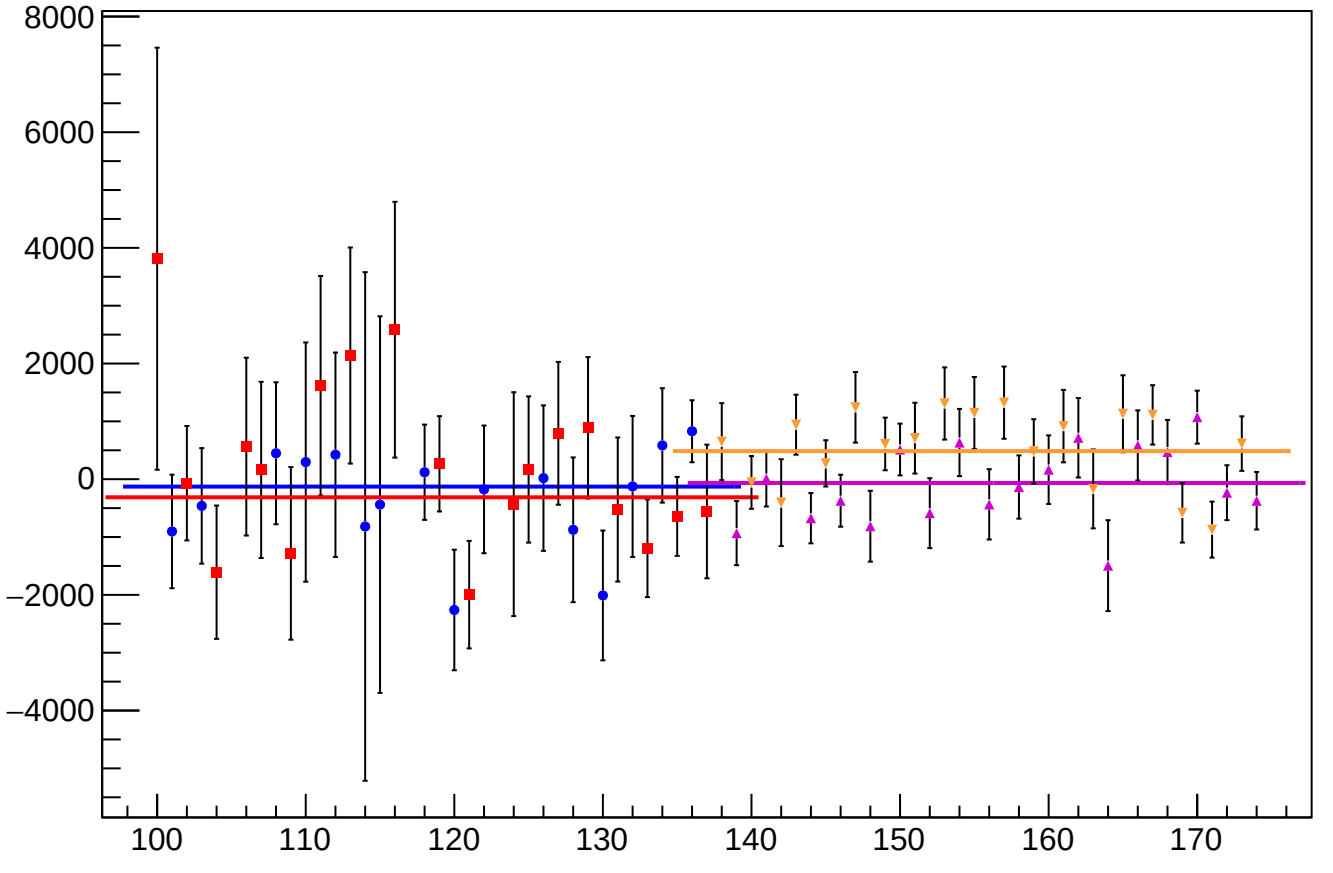
Right: 106.674+/-0.020 χ^2/NDF: 764328.3/34

In: 89.858+/-0.014 χ^2/NDF:1216729.8/33

Out: 90.530+/-0.014 χ^2/NDF:1296164.7/37

All: 90.194+/-0.010 χ^2/NDF: 2514094.5/71

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -128.056+/-268.611 χ^2/NDF: 12.3/15

Left Out: 485.895+/-125.765 χ^2/NDF:26.4/18

Right Out: -313.031+/-270.131 χ^2/NDF: 15.0/18

Left In: -65.137+/-126.001 χ^2/NDF:24.1/17

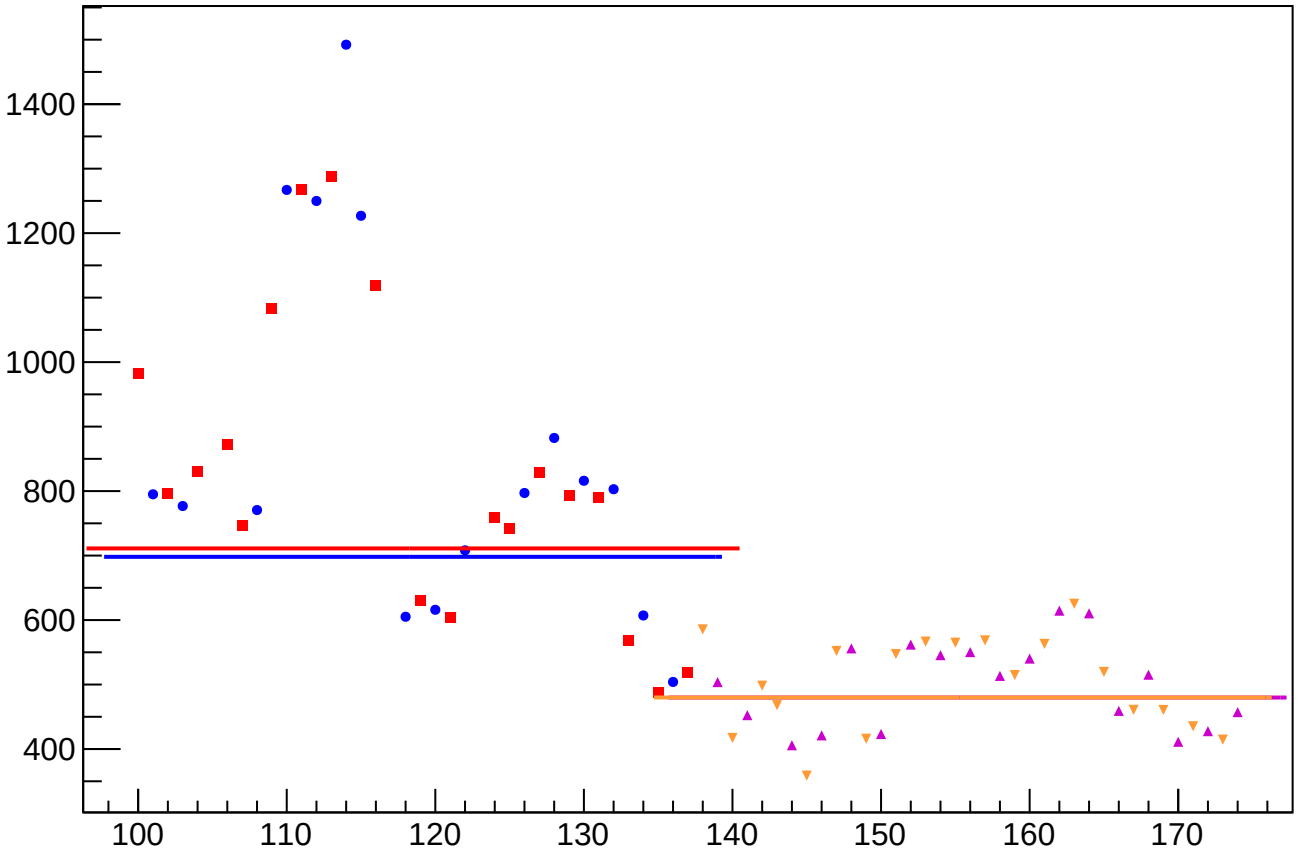
Left: 210.895+/-89.013 χ^2/NDF: 60.2/36

Right: -220.022+/-190.472 χ^2/NDF: 27.5/34

In: -76.485+/-114.074 χ^2/NDF:36.5/33

Out: 343.572+/-114.014 χ^2/NDF:48.6/37

All: 133.654+/-80.641 χ^2/NDF: 91.9/71



Right In: 698.055+/-0.190 χ^2/NDF: 912851.5/15

Left Out: 479.906+/-0.089 χ^2/NDF:683560.8/18

Right Out: 711.088+/-0.191 χ^2/NDF: 1035118.4/18

Left In: 479.847+/-0.089 χ^2/NDF:498249.6/17

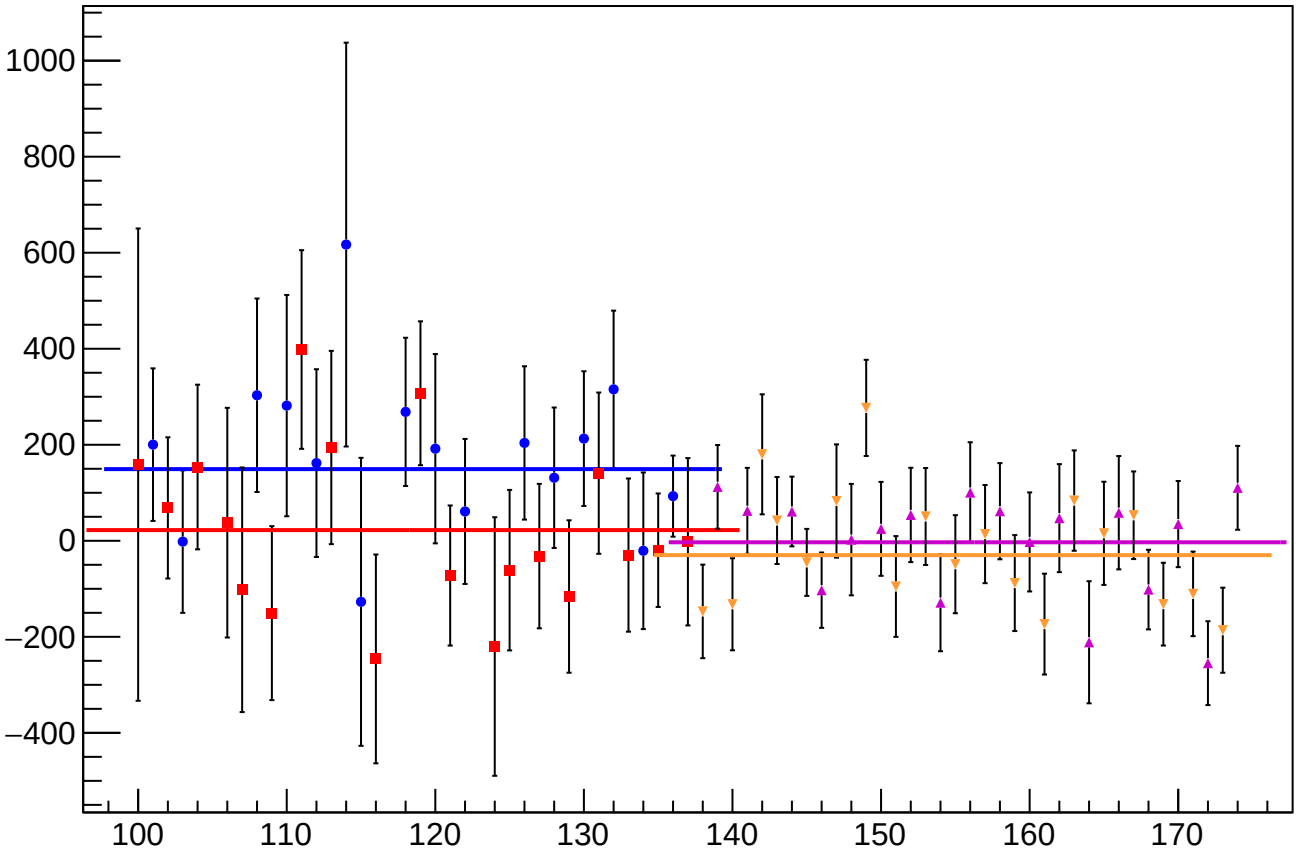
Left: 479.877+/-0.063 χ^2/NDF: 1181810.6/36

Right: 704.534+/-0.135 χ^2/NDF: 1950310.9/34

In: 519.202+/-0.081 χ^2/NDF:2492898.1/33

Out: 521.089+/-0.081 χ^2/NDF:2922566.4/37

All: 520.146+/-0.057 χ^2/NDF: 5415738.3/71



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -29.835+/-22.153 χ^2/NDF:27.4/18

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -3.082+/-22.263 χ^2/NDF:22.8/17

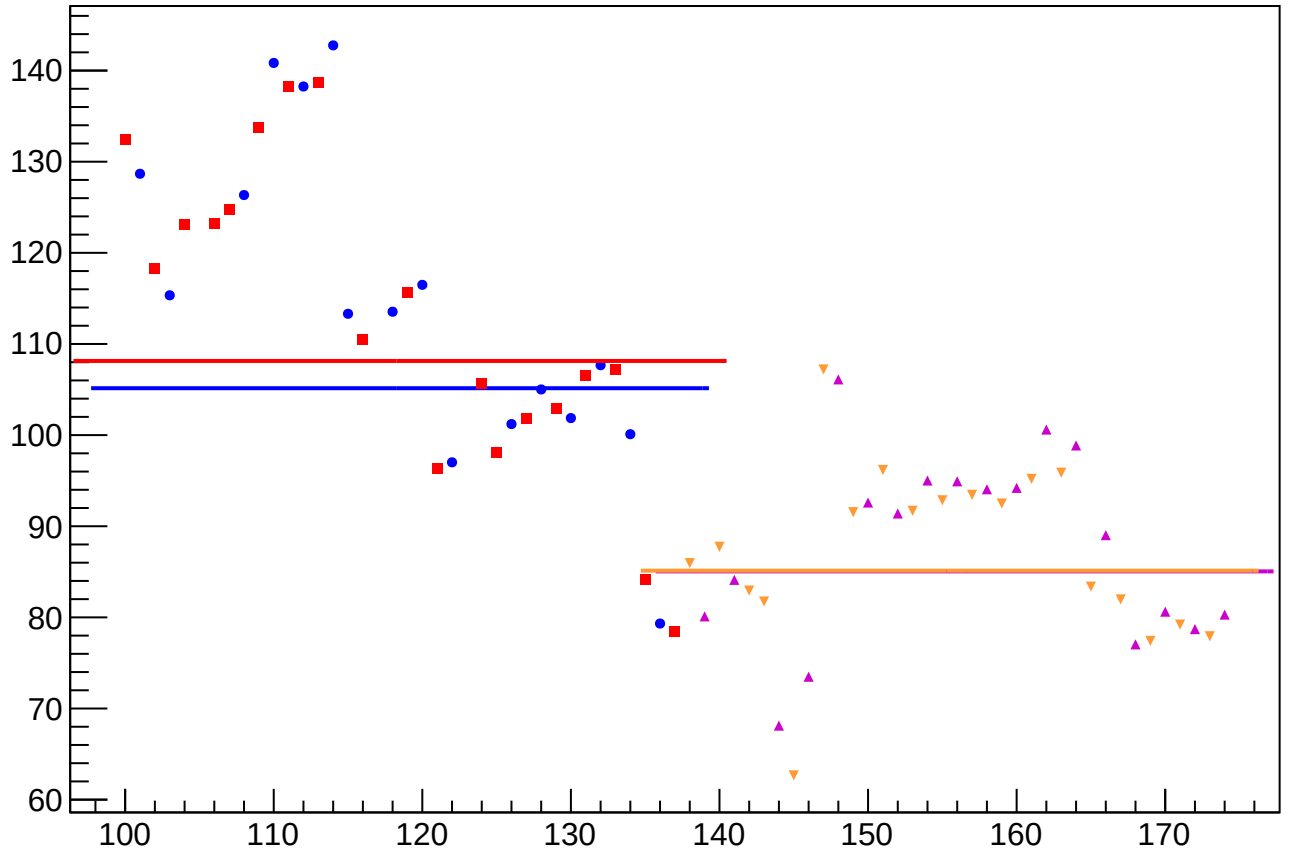
Left: -16.525+/-15.703 χ^2/NDF: 50.9/36

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 33.391+/-19.417 χ^2/NDF:42.0/33

Out: -17.656+/-19.393 χ^2/NDF:42.9/37

All: 7.836+/-13.721 χ^2/NDF: 88.4/71



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.127+/-0.016 χ^2/NDF:437489.0/18

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

Left: 85.087+/-0.011 χ^2/NDF: 855622.8/36

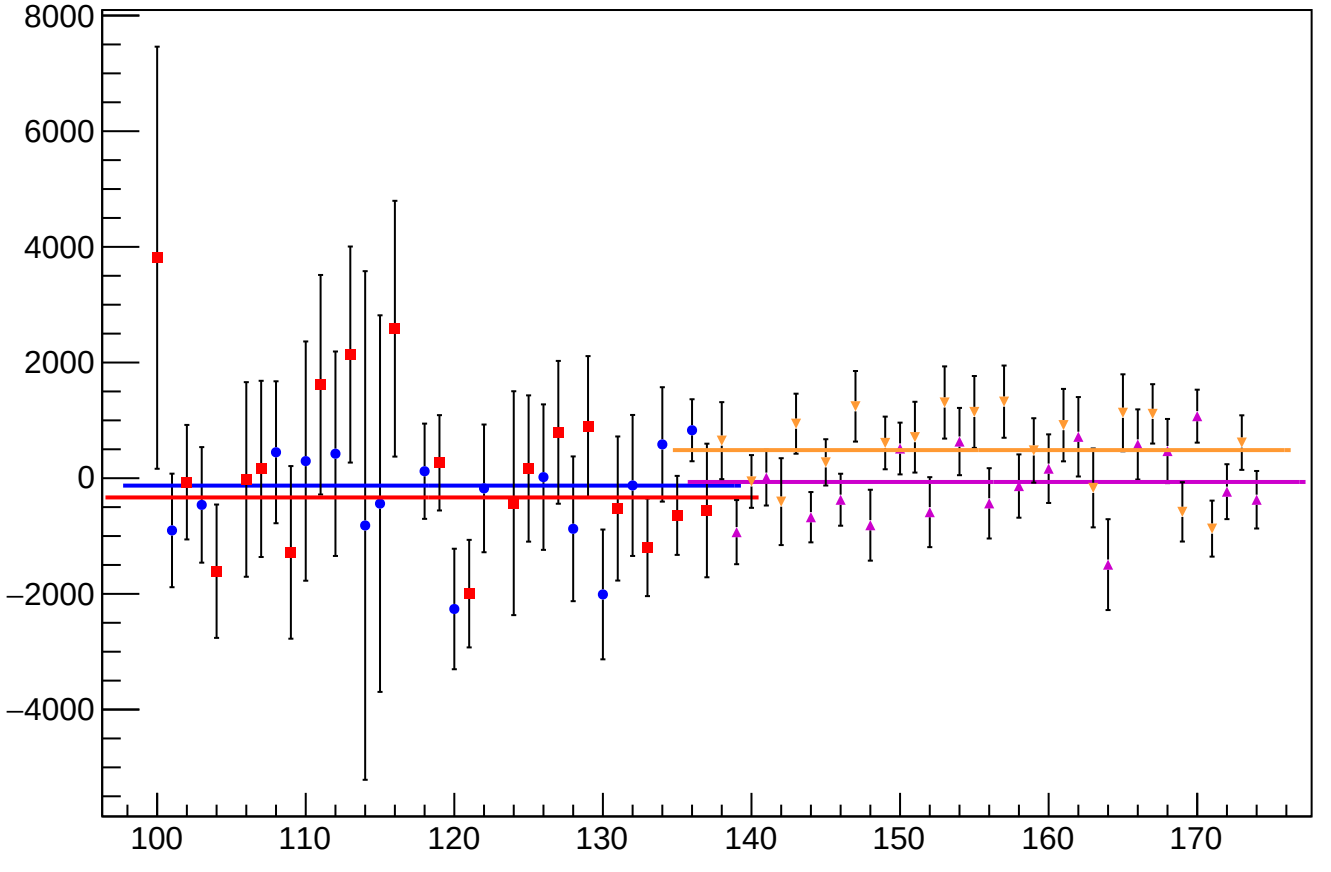
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.858+/-0.014 χ^2/NDF:1216730.2/33

Out: 90.503+/-0.014 χ^2/NDF:1287889.2/37

All: 90.181+/-0.010 χ^2/NDF: 2505724.5/71

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 485.897+/-125.765 χ^2/NDF:26.4/18

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -65.137+/-126.001 χ^2/NDF:24.1/17

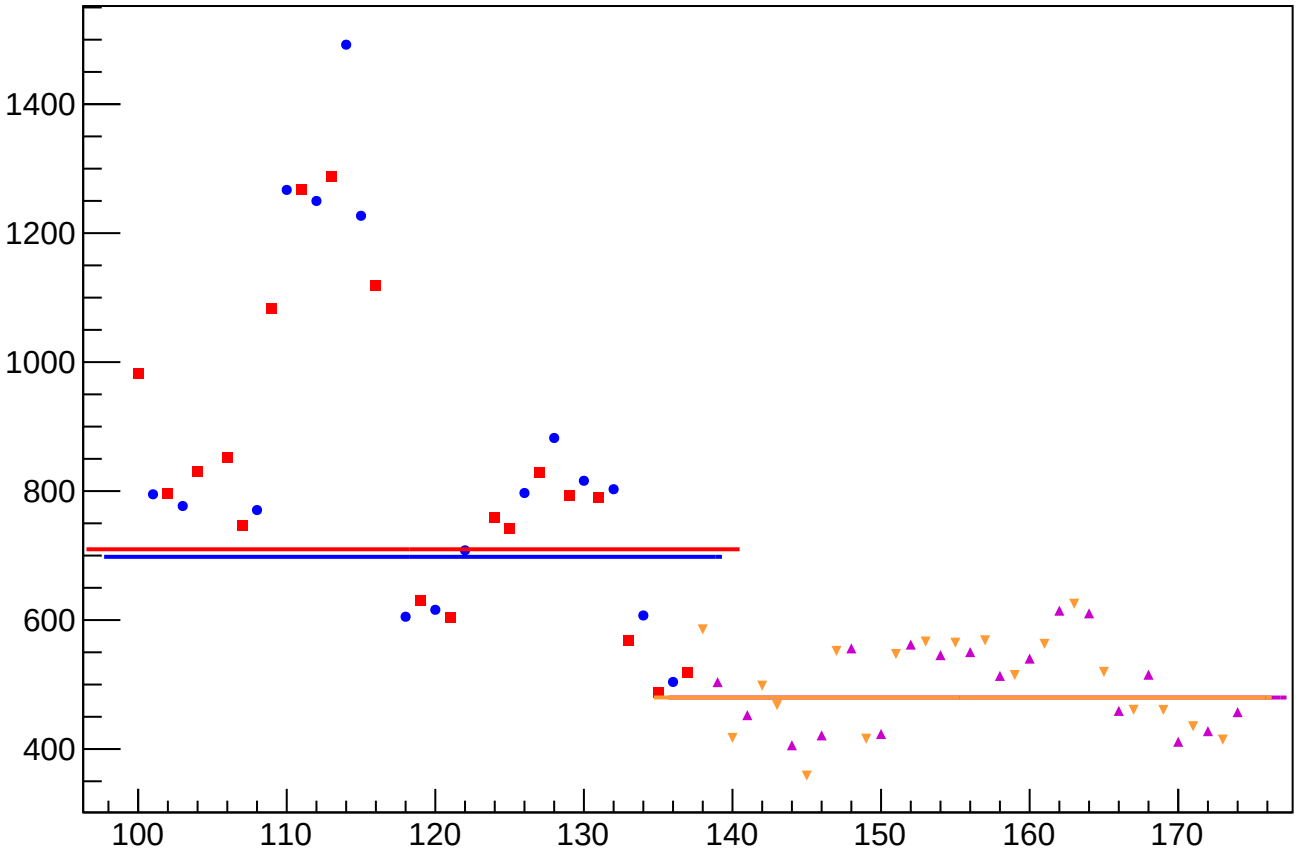
Left: 210.896+/-89.013 χ^2/NDF: 60.2/36

Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -76.483+/-114.074 χ^2/NDF:36.5/33

Out: 340.699+/-114.067 χ^2/NDF:48.6/37

All: 132.121+/-80.660 χ^2/NDF: 91.8/71



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 479.906+/-0.089 χ^2/NDF:683559.0/18

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

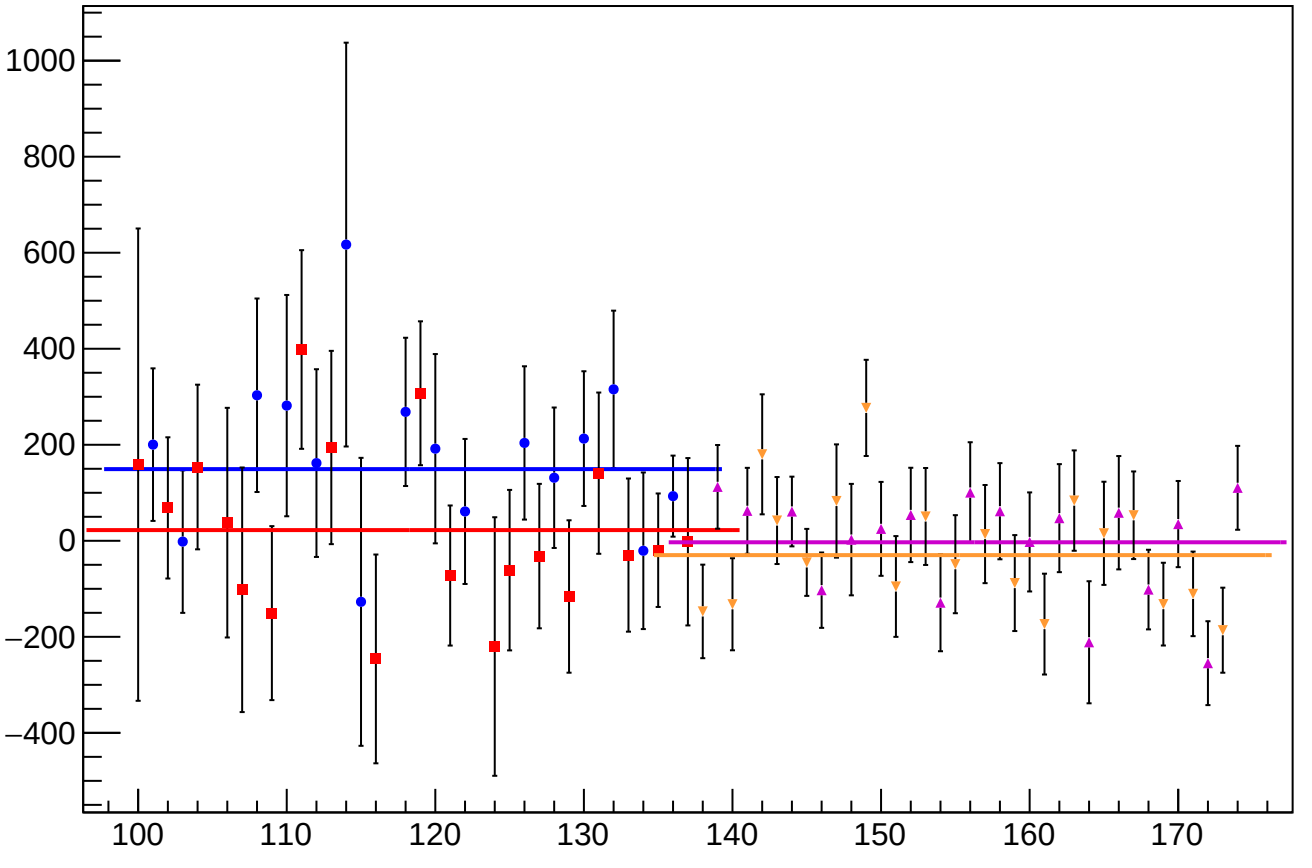
Left: 479.877+/-0.063 χ^2/NDF: 1181811.7/36

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 519.202+/-0.081 χ^2/NDF:2492914.7/33

Out: 520.676+/-0.081 χ^2/NDF:2895563.4/37

All: 519.939+/-0.057 χ^2/NDF: 5388645.1/71



Right In: 149.294+/-39.687 χ^2/NDF: 8.0/15

Left Out: -29.835+/-22.153 χ^2/NDF:27.4/18

Right Out: 22.297+/-40.123 χ^2/NDF: 14.2/18

Left In: -3.082+/-22.263 χ^2/NDF:22.8/17

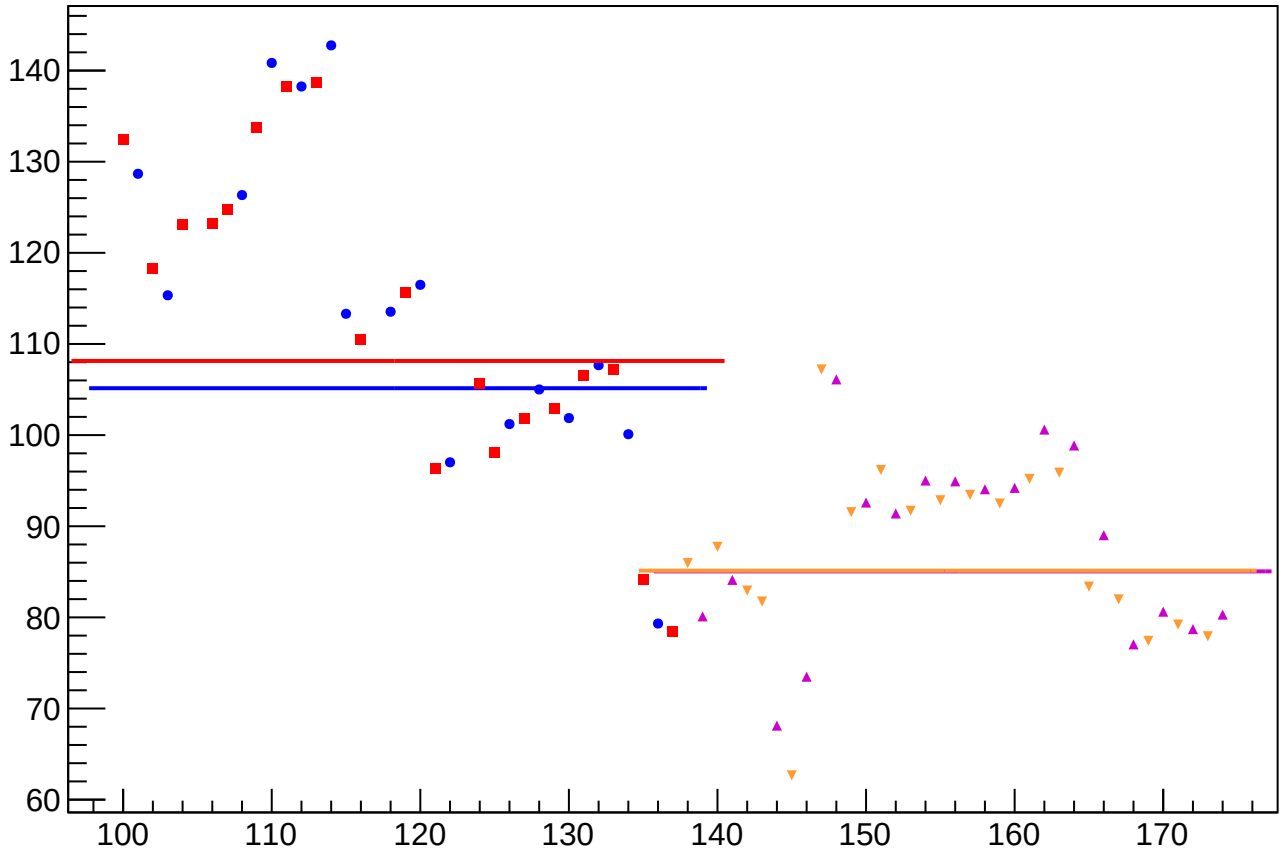
Left: -16.525+/-15.703 χ^2/NDF: 50.9/36

Right: 86.488+/-28.216 χ^2/NDF: 27.3/34

In: 33.391+/-19.417 χ^2/NDF:42.0/33

Out: -17.656+/-19.393 χ^2/NDF:42.9/37

All: 7.836+/-13.721 χ^2/NDF: 88.4/71



Right In: 105.146+/-0.028 χ^2/NDF: 408406.5/15

Left Out: 85.127+/-0.016 χ^2/NDF:437489.0/18

Right Out: 108.136+/-0.028 χ^2/NDF: 346321.9/18

Left In: 85.046+/-0.016 χ^2/NDF:418120.6/17

Left: 85.087+/-0.011 χ^2/NDF: 855622.8/36

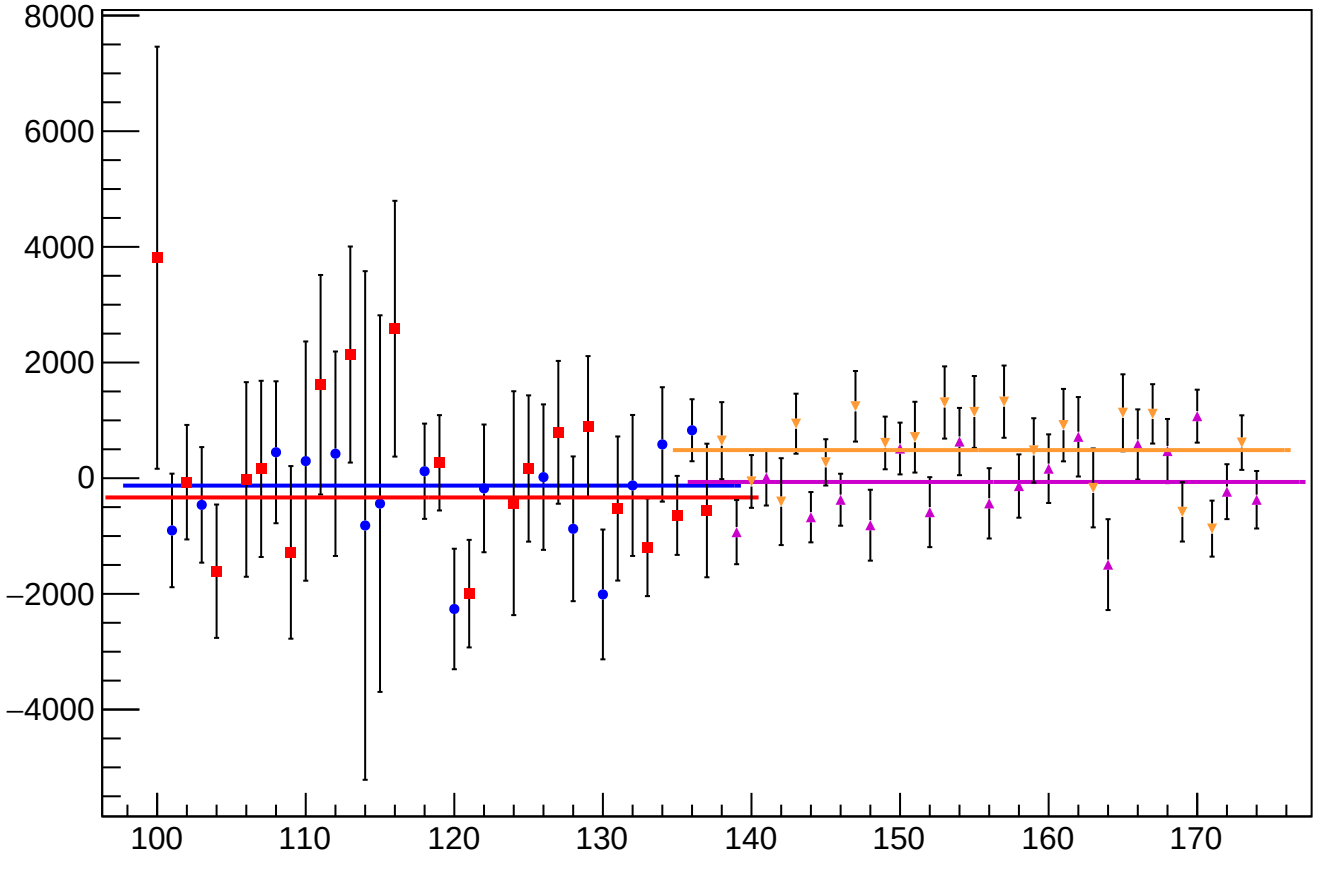
Right: 106.625+/-0.020 χ^2/NDF: 760343.1/34

In: 89.858+/-0.014 χ^2/NDF:1216730.2/33

Out: 90.503+/-0.014 χ^2/NDF:1287889.2/37

All: 90.181+/-0.010 χ^2/NDF: 2505724.5/71

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -128.047+/-268.611 χ^2/NDF: 12.3/15

Left Out: 485.897+/-125.765 χ^2/NDF:26.4/18

Right Out: -332.665+/-270.835 χ^2/NDF: 14.7/18

Left In: -65.137+/-126.001 χ^2/NDF:24.1/17

Left: 210.896+/-89.013 χ^2/NDF: 60.2/36

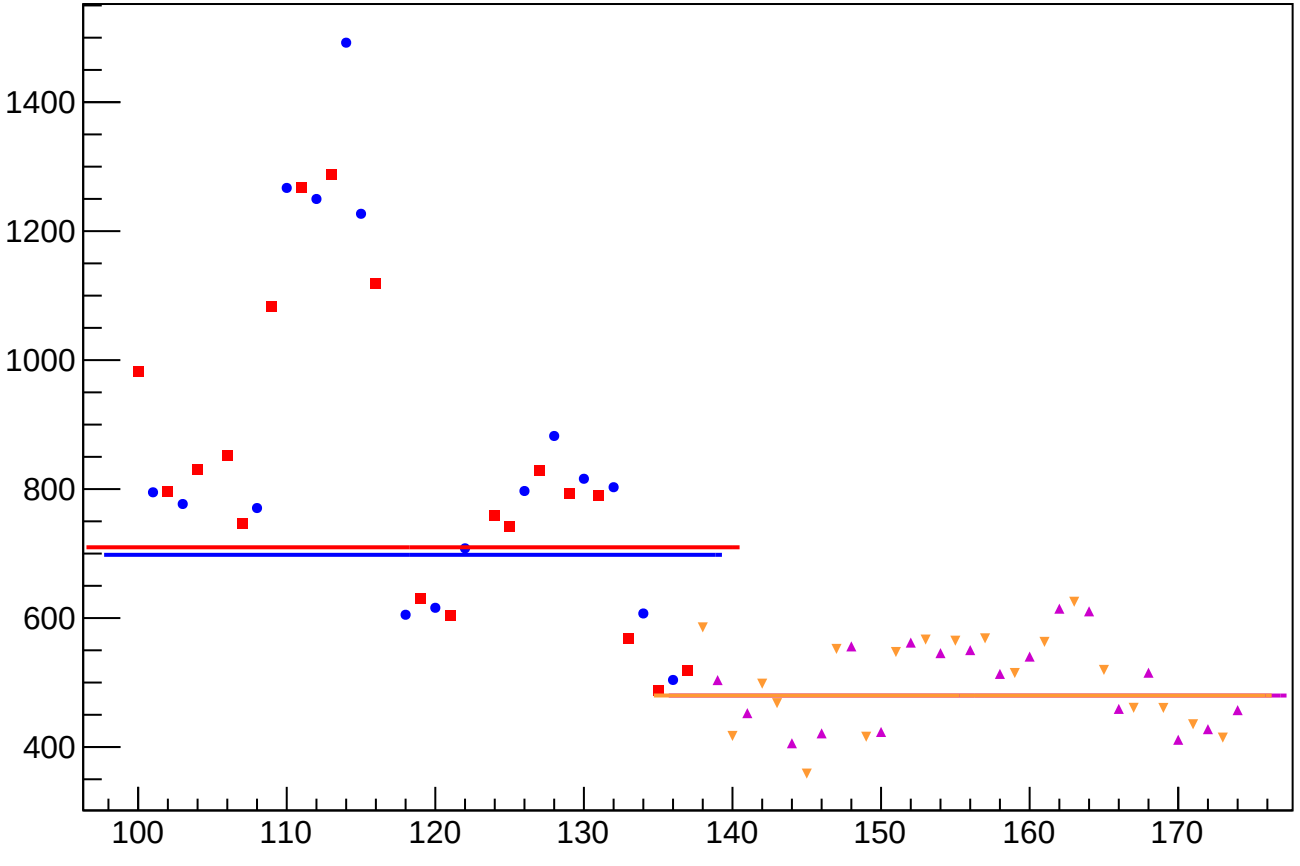
Right: -229.512+/-190.718 χ^2/NDF: 27.3/34

In: -76.483+/-114.074 χ^2/NDF:36.5/33

Out: 340.699+/-114.067 χ^2/NDF:48.6/37

All: 132.121+/-80.660 χ^2/NDF: 91.8/71

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 698.055+/-0.190 χ^2/NDF: 912861.2/15

Left Out: 479.906+/-0.089 χ^2/NDF:683559.0/18

Right Out: 709.748+/-0.192 χ^2/NDF: 1027114.2/18

Left In: 479.847+/-0.089 χ^2/NDF:498252.5/17

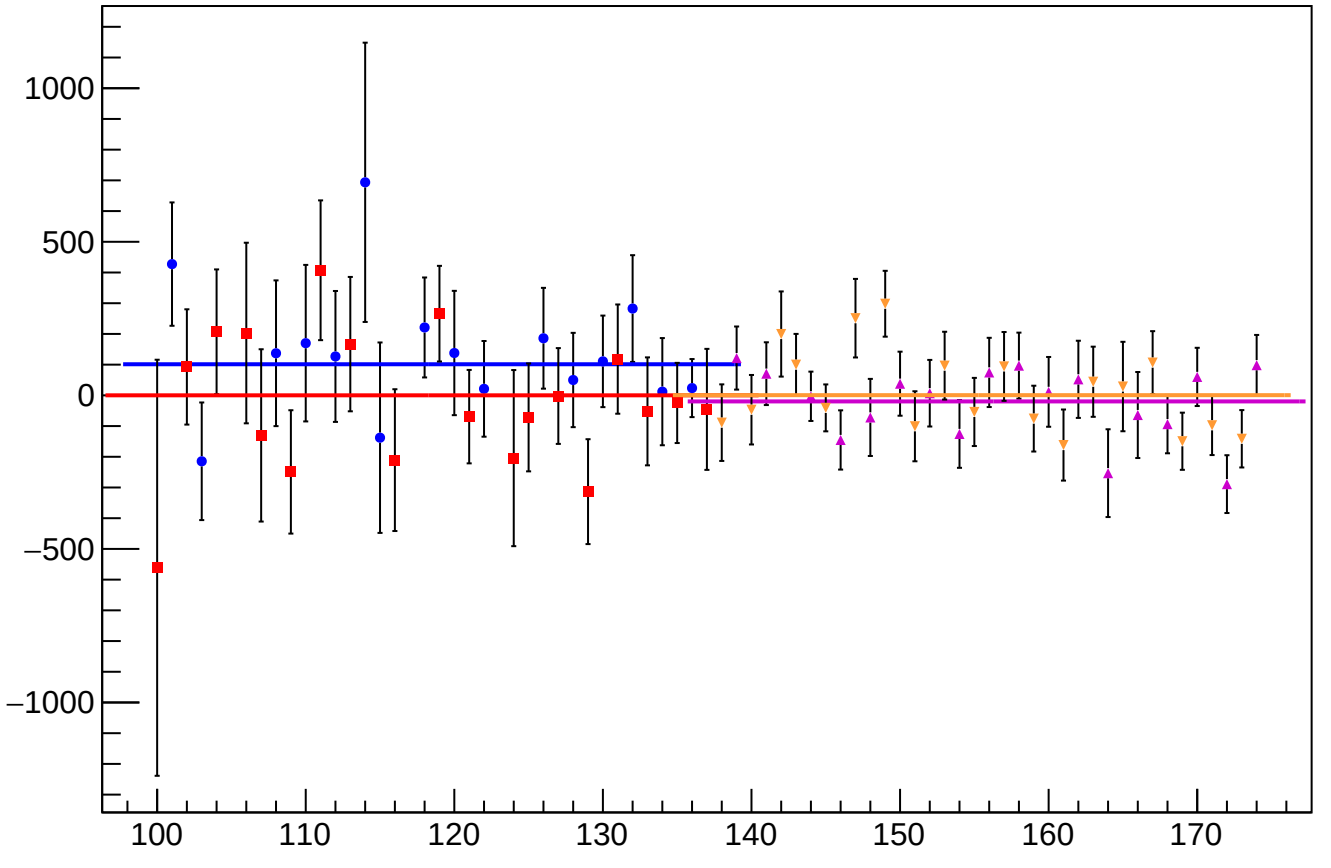
Left: 479.877+/-0.063 χ^2/NDF: 1181811.7/36

Right: 703.854+/-0.135 χ^2/NDF: 1941854.8/34

In: 519.202+/-0.081 χ^2/NDF:2492914.7/33

Out: 520.676+/-0.081 χ^2/NDF:2895563.4/37

All: 519.939+/-0.057 χ^2/NDF: 5388645.1/71



Right In: 101.281+/-43.510 χ^2/NDF: 11.0/15

Left Out: 0.608+/-24.611 χ^2/NDF:27.7/18

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -19.749+/-24.845 χ^2/NDF:21.9/17

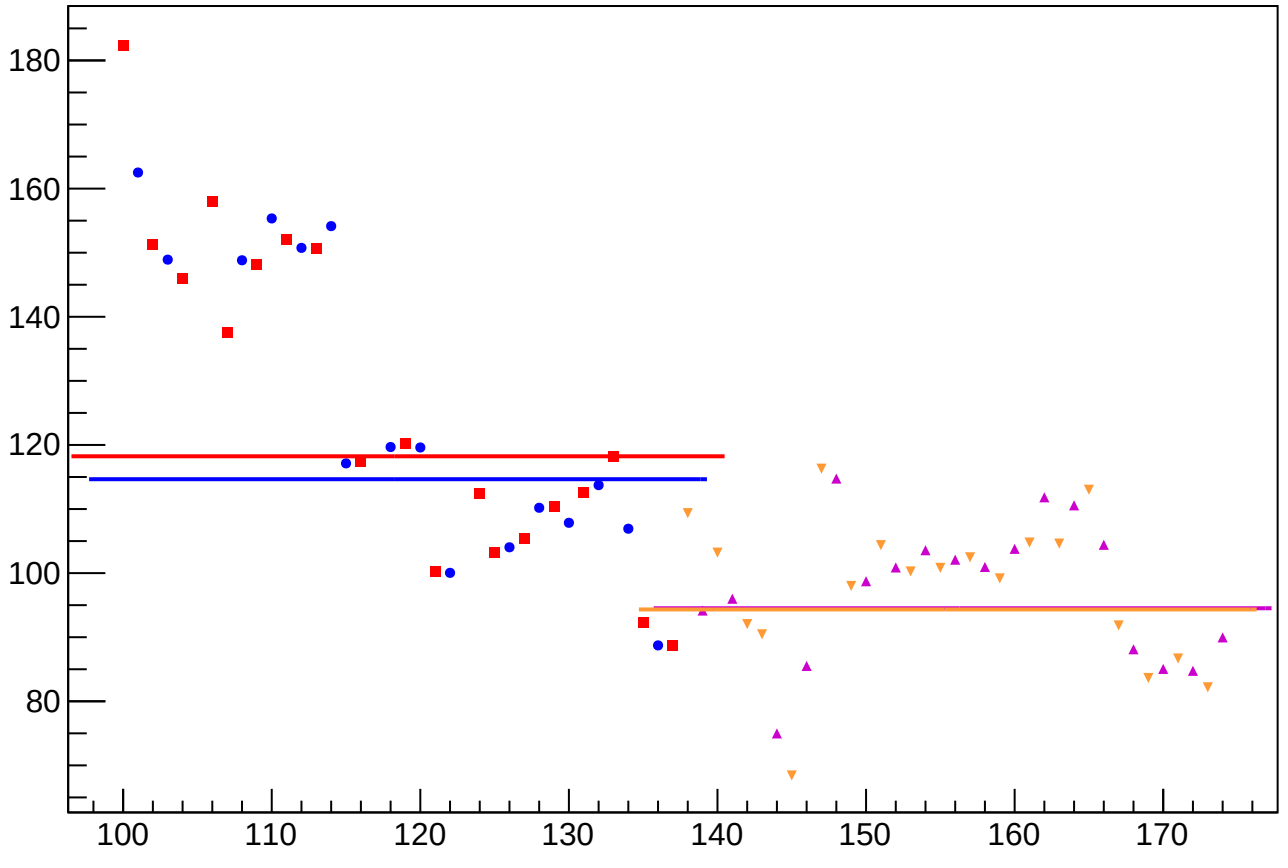
Left: -9.474+/-17.485 χ^2/NDF: 49.9/36

Right: 51.310+/-30.950 χ^2/NDF: 30.3/34

In: 10.012+/-21.576 χ^2/NDF:38.7/33

Out: 0.493+/-21.483 χ^2/NDF:44.3/37

All: 5.232+/-15.224 χ^2/NDF: 83.1/71



Right In: 114.655+/-0.031 χ^2/NDF: 531976.2/15

Left Out: 94.332+/-0.017 χ^2/NDF:518198.8/18

Right Out: 118.230+/-0.031 χ^2/NDF: 483407.4/18

Left In: 94.519+/-0.018 χ^2/NDF:369303.8/17

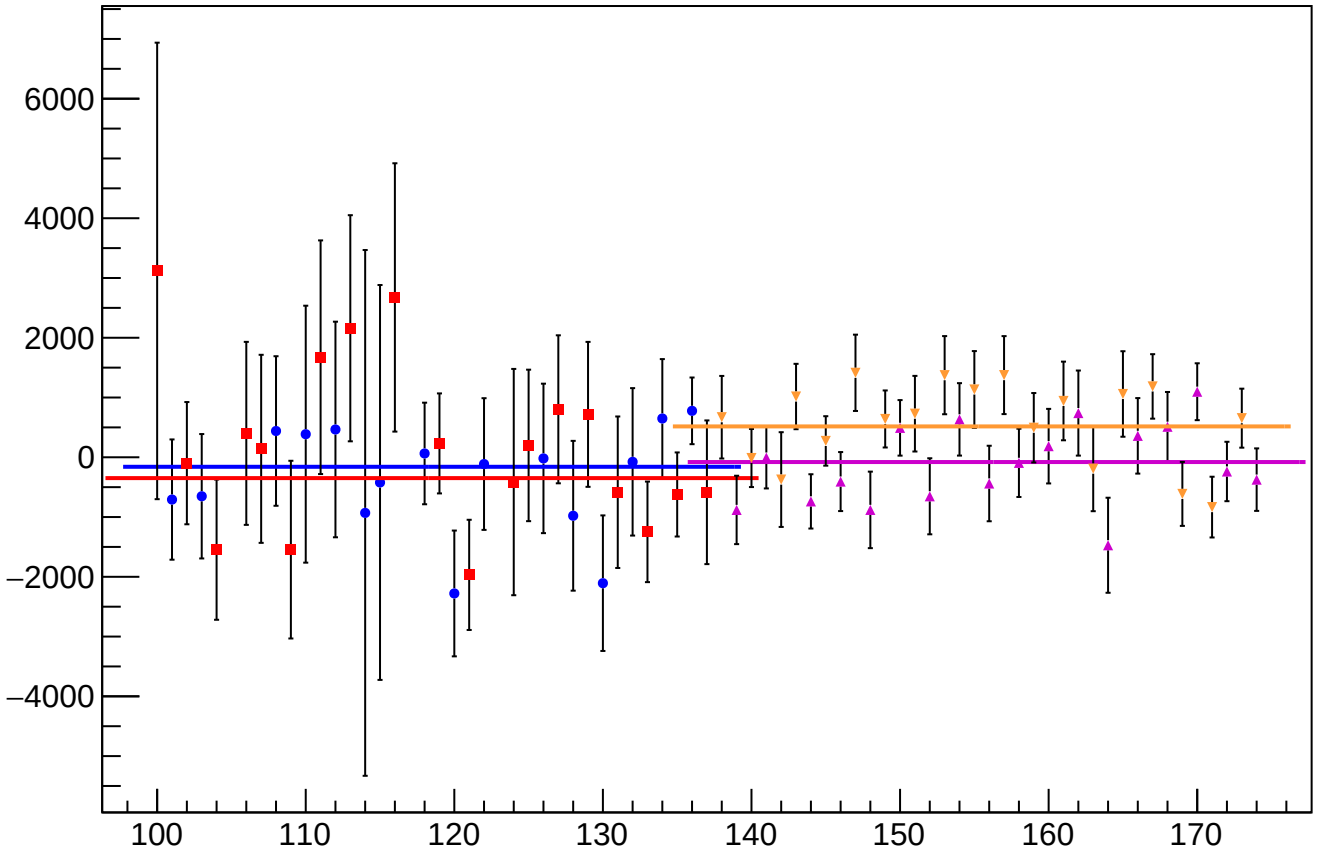
Left: 94.424+/-0.012 χ^2/NDF: 887559.8/36

Right: 116.421+/-0.022 χ^2/NDF: 1022057.2/34

In: 99.470+/-0.015 χ^2/NDF:1224294.9/33

Out: 100.020+/-0.015 χ^2/NDF:1450488.1/37

All: 99.746+/-0.011 χ^2/NDF: 2675435.4/71



Right In: -159.110+/-274.558 χ^2/NDF: 12.0/15

Left Out: 516.451+/-131.697 χ^2/NDF:25.3/18

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -79.651+/-132.118 χ^2/NDF:22.7/17

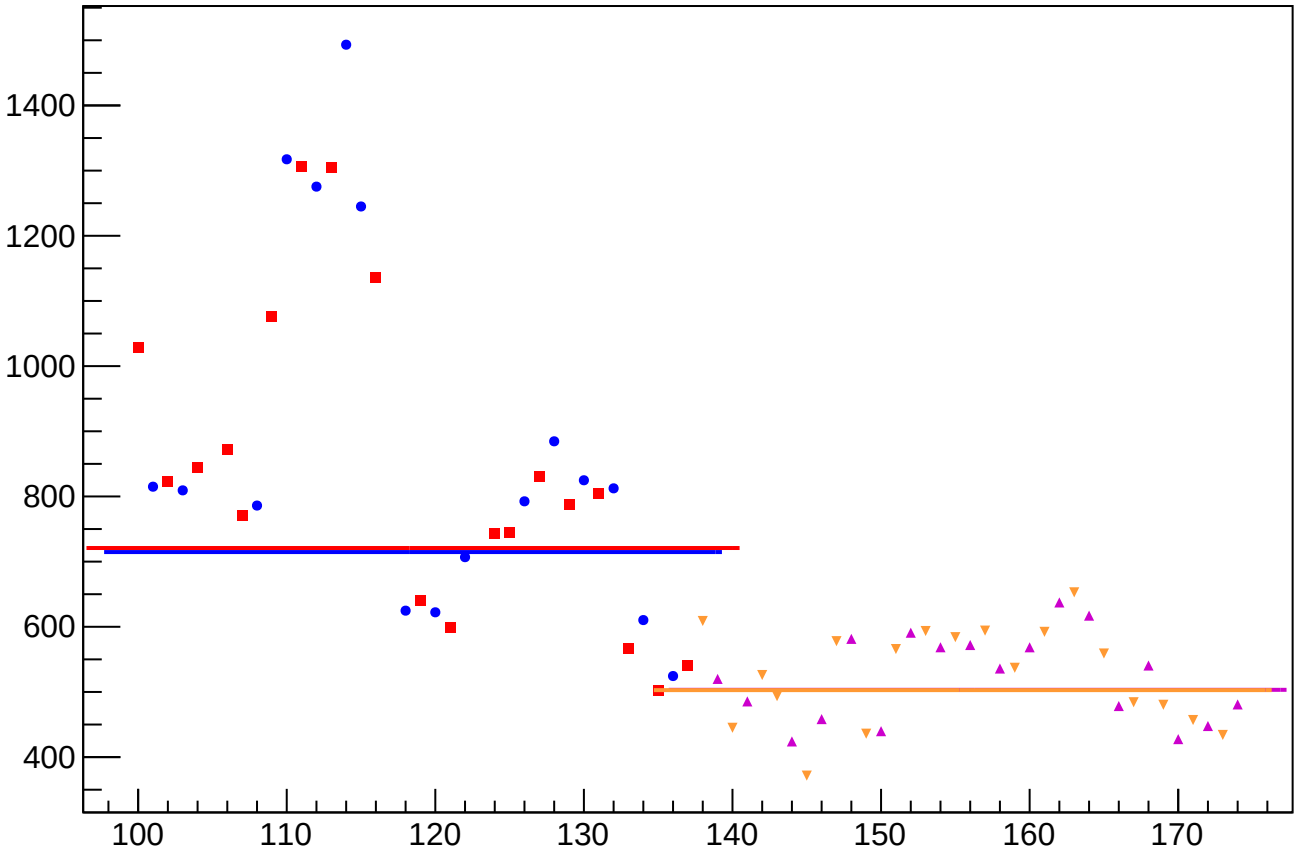
Left: 219.352+/-93.272 χ^2/NDF: 58.3/36

Right: -254.152+/-193.800 χ^2/NDF: 26.5/34

In: -94.590+/-119.051 χ^2/NDF:34.8/33

Out: 353.735+/-118.665 χ^2/NDF:47.7/37

All: 130.301+/-84.045 χ^2/NDF: 89.6/71



Right In: 714.666+/-0.194 χ^2/NDF: 876217.1/15

Left Out: 502.819+/-0.093 χ^2/NDF:681201.6/18

Right Out: 720.885+/-0.193 χ^2/NDF: 1018435.1/18

Left In: 503.275+/-0.093 χ^2/NDF:464370.7/17

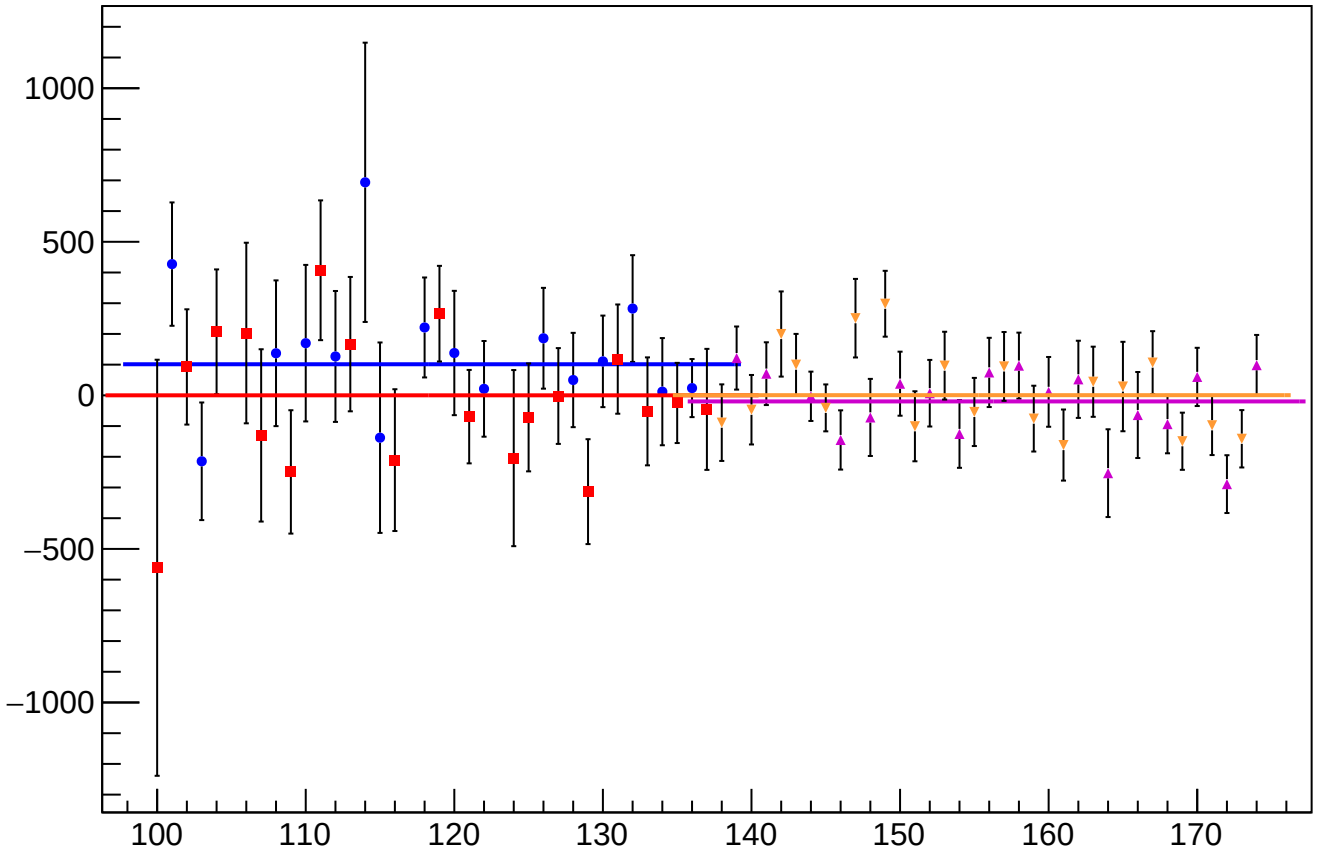
Left: 503.046+/-0.066 χ^2/NDF: 1145584.2/36

Right: 717.786+/-0.137 χ^2/NDF: 1895167.0/34

In: 543.020+/-0.084 χ^2/NDF:2303269.9/33

Out: 543.841+/-0.084 χ^2/NDF:2731167.4/37

All: 543.432+/-0.059 χ^2/NDF: 5034484.9/71



Right In: 101.278+/-43.510 χ^2/NDF: 11.0/15

Left Out: 0.606+/-24.611 χ^2/NDF:27.7/18

Right Out: 0.125+/-44.035 χ^2/NDF: 16.6/18

Left In: -19.750+/-24.845 χ^2/NDF:21.9/17

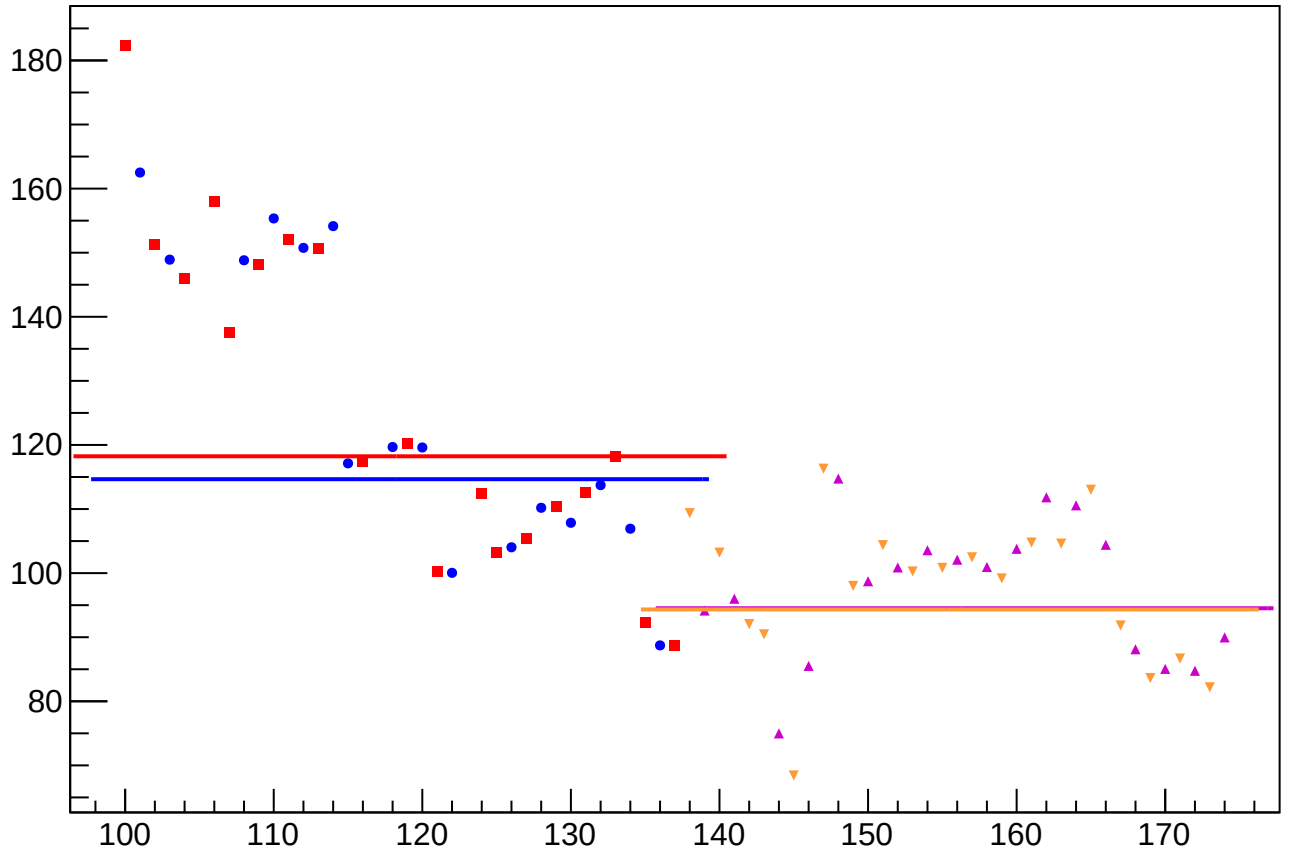
Left: -9.475+/-17.485 χ^2/NDF: 49.9/36

Right: 51.308+/-30.950 χ^2/NDF: 30.3/34

In: 10.011+/-21.576 χ^2/NDF:38.7/33

Out: 0.492+/-21.483 χ^2/NDF:44.3/37

All: 5.231+/-15.224 χ^2/NDF: 83.1/71



Right In: 114.655+/-0.031 χ^2/NDF: 531962.9/15

Left Out: 94.332+/-0.017 χ^2/NDF:518206.1/18

Right Out: 118.230+/-0.031 χ^2/NDF: 483401.1/18

Left In: 94.519+/-0.018 χ^2/NDF:369305.6/17

Left: 94.424+/-0.012 χ^2/NDF: 887569.0/36

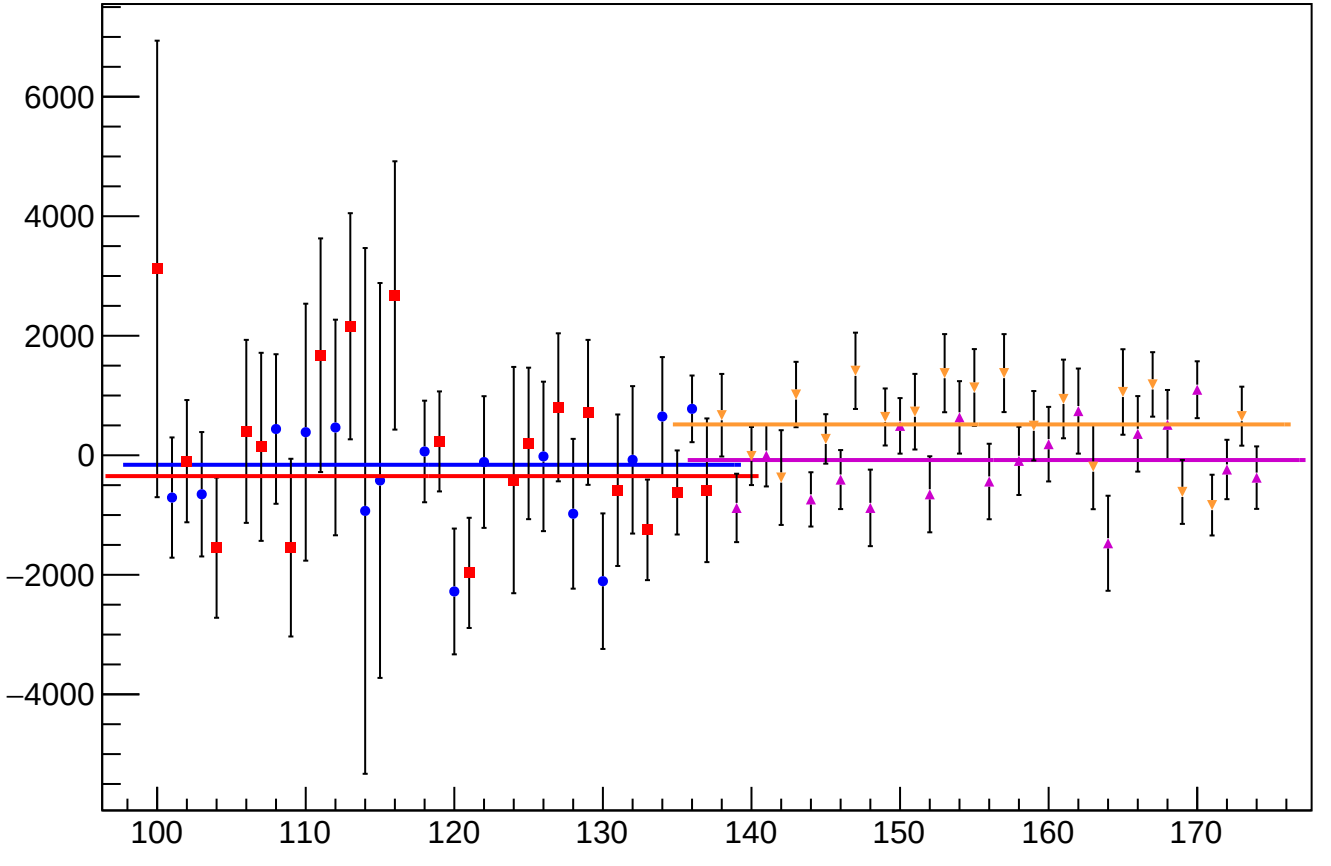
Right: 116.421+/-0.022 χ^2/NDF: 1022036.9/34

In: 99.470+/-0.015 χ^2/NDF:1224287.3/33

Out: 100.020+/-0.015 χ^2/NDF:1450488.7/37

All: 99.746+/-0.011 χ^2/NDF: 2675428.3/71

asym_sam_26_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -159.112+/-274.558 χ^2/NDF: 12.0/15

Left Out: 516.450+/-131.697 χ^2/NDF:25.3/18

Right Out: -348.528+/-273.595 χ^2/NDF: 14.3/18

Left In: -79.650+/-132.118 χ^2/NDF:22.7/17

Left: 219.351+/-93.272 χ^2/NDF: 58.3/36

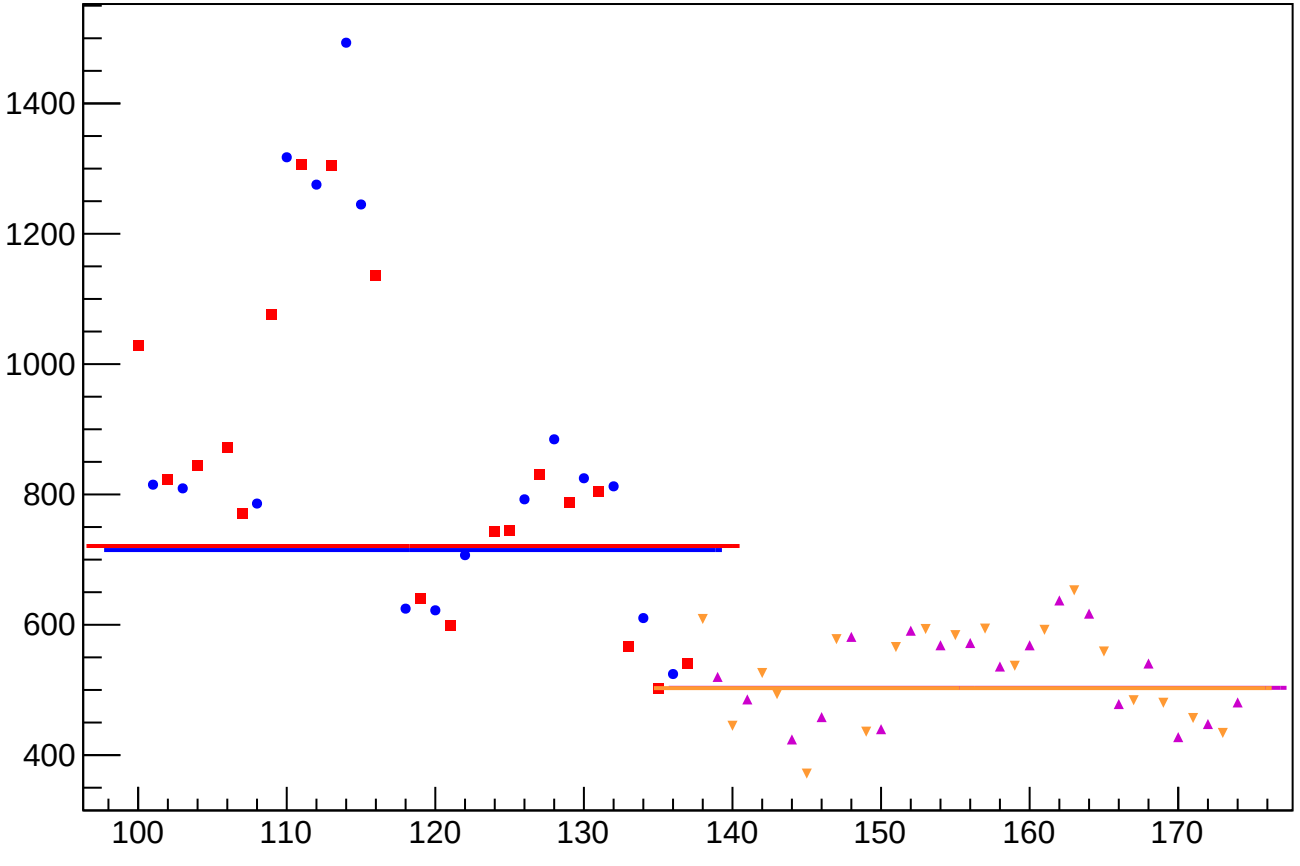
Right: -254.153+/-193.800 χ^2/NDF: 26.5/34

In: -94.591+/-119.051 χ^2/NDF:34.8/33

Out: 353.734+/-118.665 χ^2/NDF:47.7/37

All: 130.301+/-84.045 χ^2/NDF: 89.6/71

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 714.666+/-0.194 χ^2/NDF: 876211.4/15

Left Out: 502.819+/-0.093 χ^2/NDF:681203.6/18

Right Out: 720.884+/-0.193 χ^2/NDF: 1018428.9/18

Left In: 503.275+/-0.093 χ^2/NDF:464370.1/17

Left: 503.046+/-0.066 χ^2/NDF: 1145585.7/36

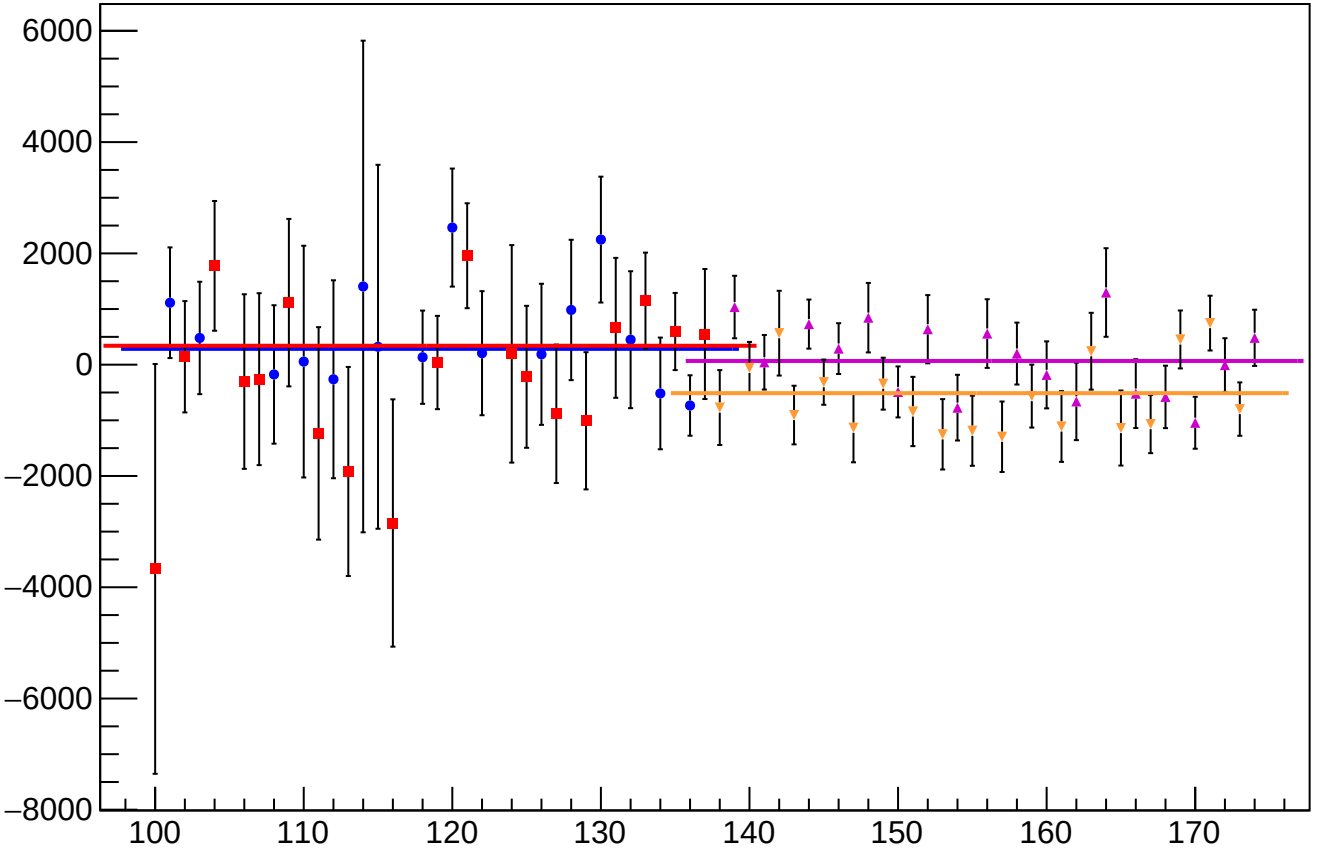
Right: 717.786+/-0.137 χ^2/NDF: 1895155.0/34

In: 543.021+/-0.084 χ^2/NDF:2303264.1/33

Out: 543.841+/-0.084 χ^2/NDF:2731161.8/37

All: 543.432+/-0.059 χ^2/NDF: 5034473.5/71

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 284.780+/-271.944 χ^2/NDF: 12.8/15

Left Out: -511.772+/-127.833 χ^2/NDF:23.8/18

Right Out: 340.018+/-273.601 χ^2/NDF: 14.1/18

Left In: 66.789+/-128.065 χ^2/NDF:24.3/17

Left: -223.015+/-90.474 χ^2/NDF: 58.3/36

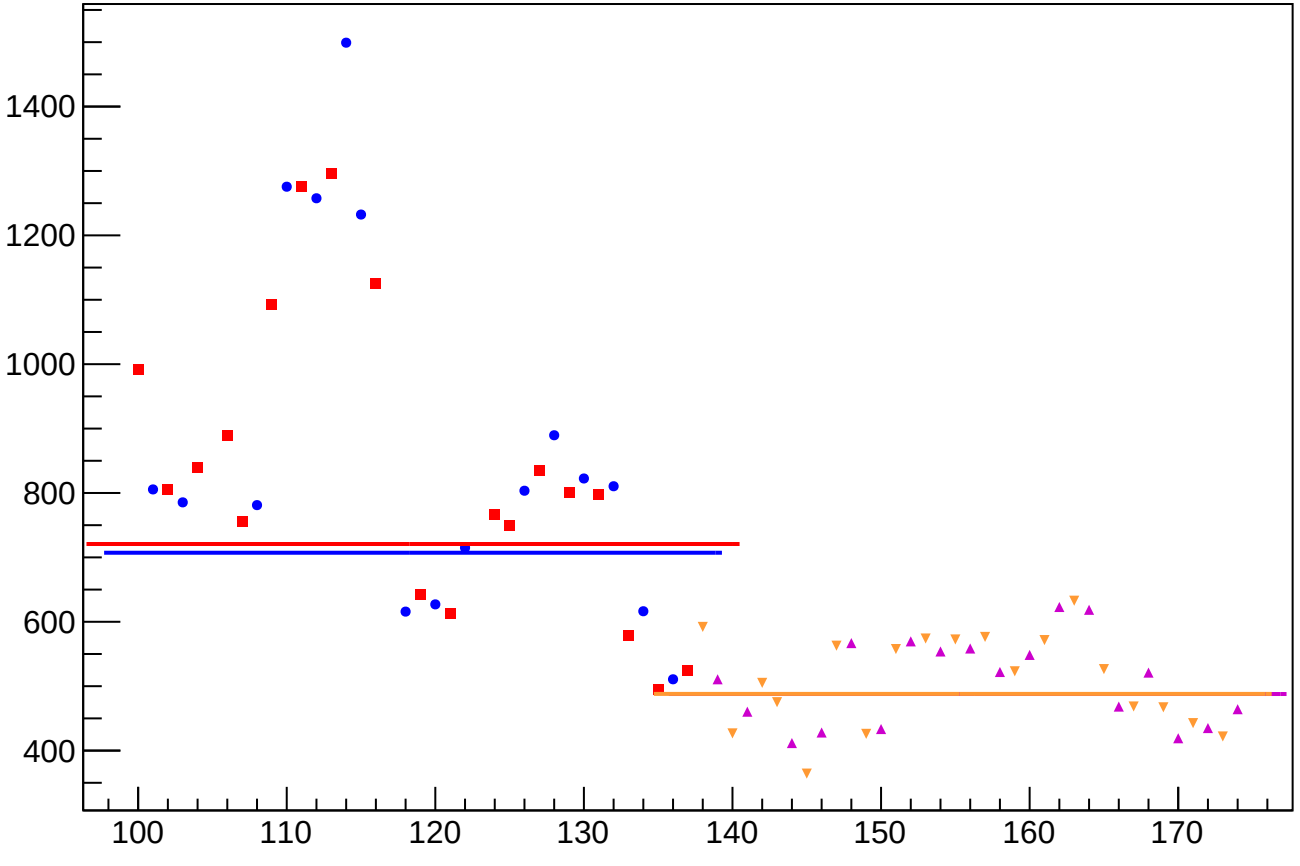
Right: 312.231+/-192.877 χ^2/NDF: 26.9/34

In: 106.357+/-115.861 χ^2/NDF:37.6/33

Out: -359.146+/-115.816 χ^2/NDF:45.8/37

All: -126.484+/-81.910 χ^2/NDF: 91.5/71

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 707.209+/-0.192 χ^2/NDF: 896689.9/15

Left Out: 488.019+/-0.090 χ^2/NDF:669227.7/18

Right Out: 720.778+/-0.193 χ^2/NDF: 1015277.9/18

Left In: 487.854+/-0.091 χ^2/NDF:488458.9/17

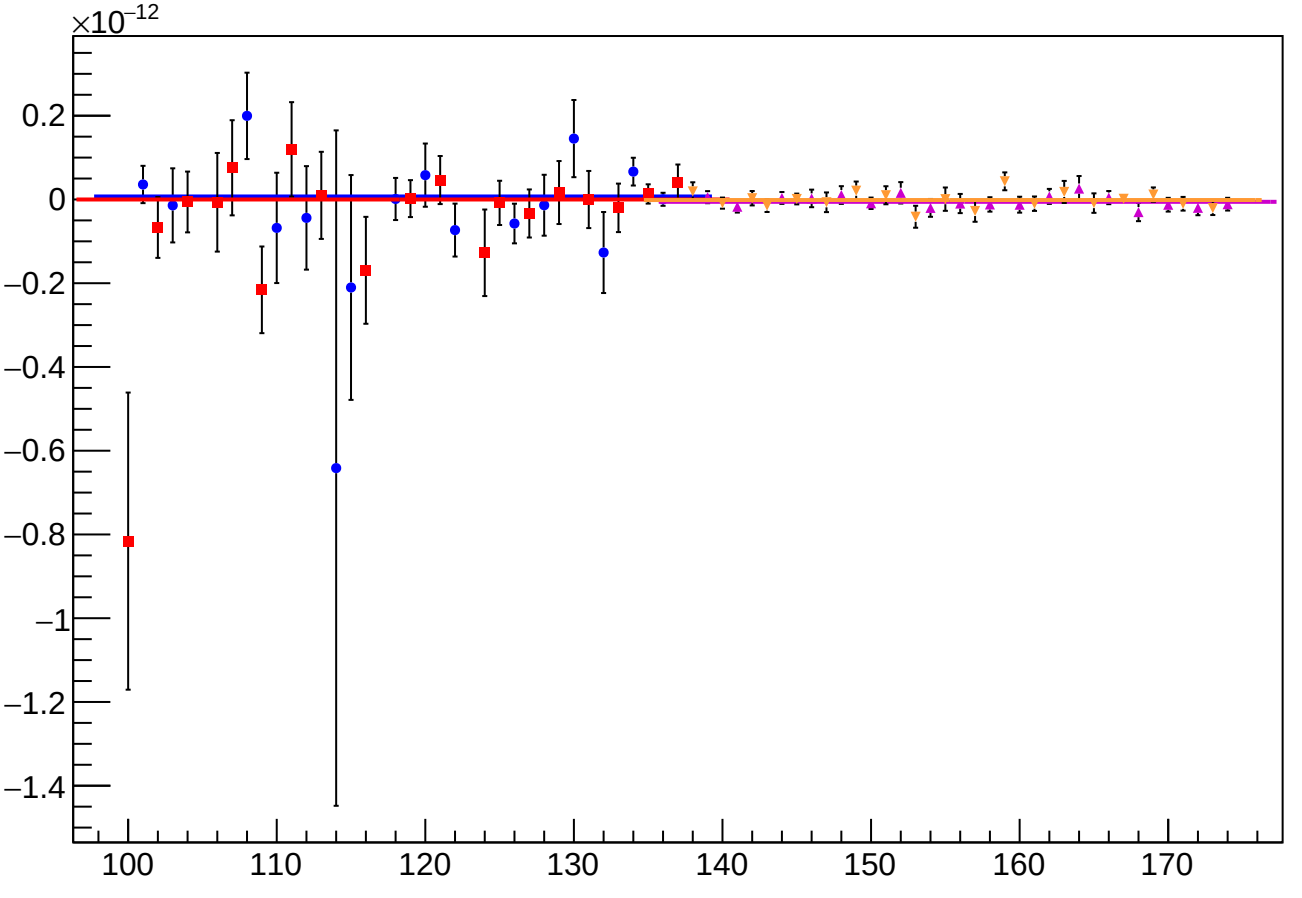
Left: 487.937+/-0.064 χ^2/NDF: 1157688.2/36

Right: 713.952+/-0.136 χ^2/NDF: 1914442.0/34

In: 527.671+/-0.082 χ^2/NDF:2450215.7/33

Out: 529.725+/-0.082 χ^2/NDF:2872604.1/37

All: 528.698+/-0.058 χ^2/NDF: 5323134.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:14.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/17

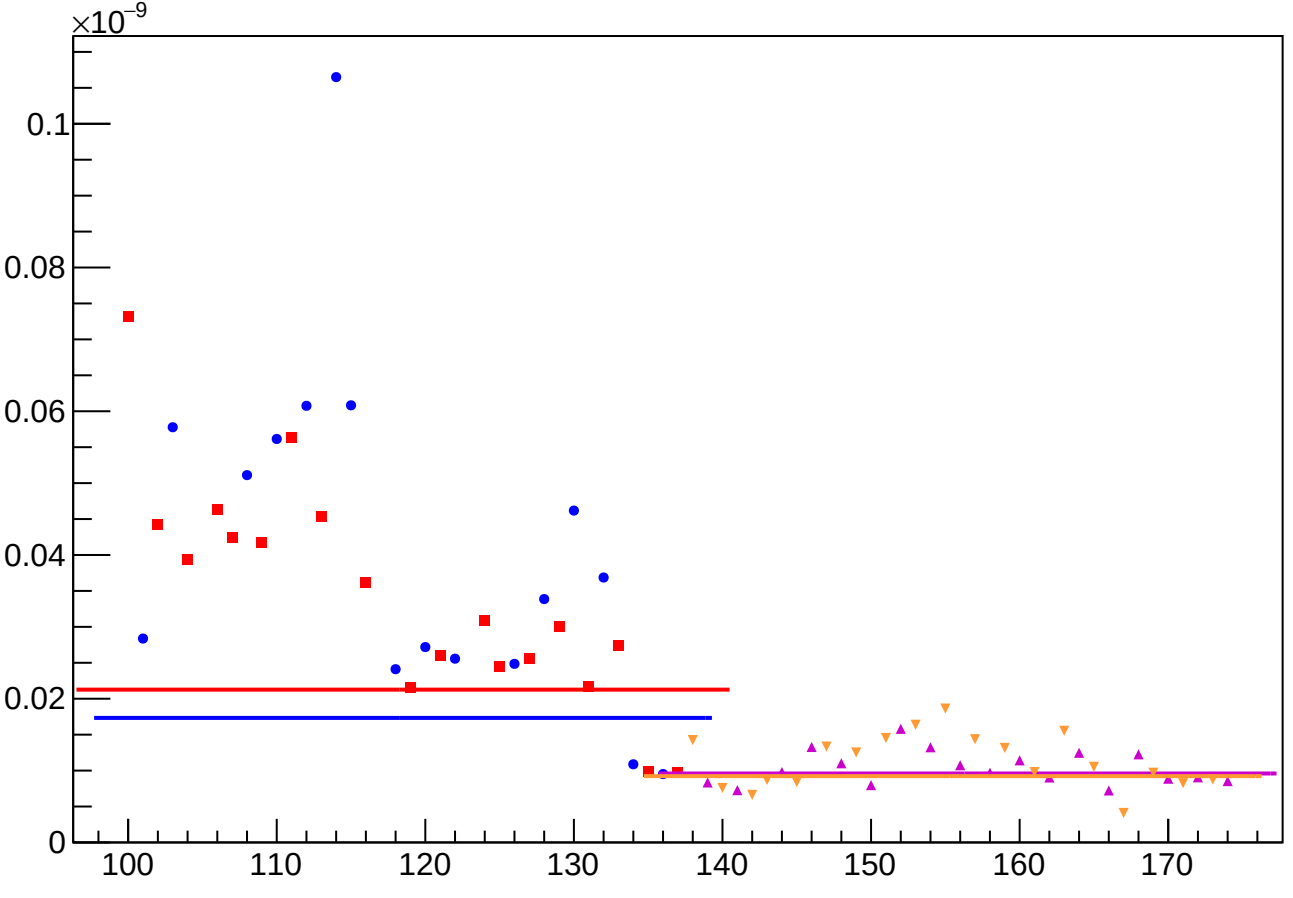
Left: -0.000+/-0.000 χ^2/NDF: 23.2/36

Right: 0.000+/-0.000 χ^2/NDF: 35.3/34

In: -0.000+/-0.000 χ^2/NDF:26.7/33

Out: -0.000+/-0.000 χ^2/NDF:32.2/37

All: -0.000+/-0.000 χ^2/NDF: 59.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 2368825.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1686831.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1671050.7/18

Left In: 0.000+/-0.000 χ^2/NDF:480628.1/17

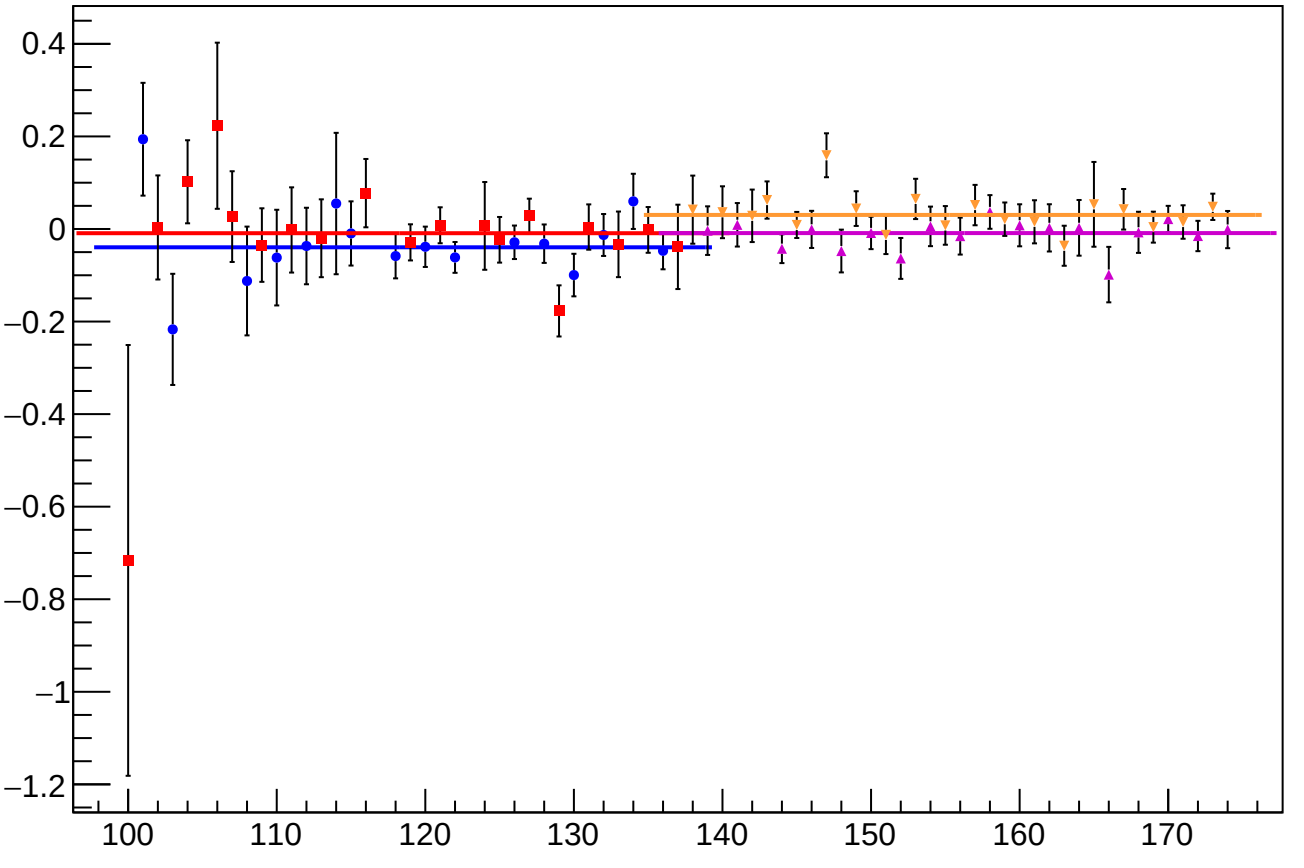
Left: 0.000+/-0.000 χ^2/NDF: 2175727.8/36

Right: 0.000+/-0.000 χ^2/NDF: 4139315.0/34

In: 0.000+/-0.000 χ^2/NDF:3652406.2/33

Out: 0.000+/-0.000 χ^2/NDF:4841289.9/37

All: 0.000+/-0.000 χ^2/NDF: 8499160.4/71



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

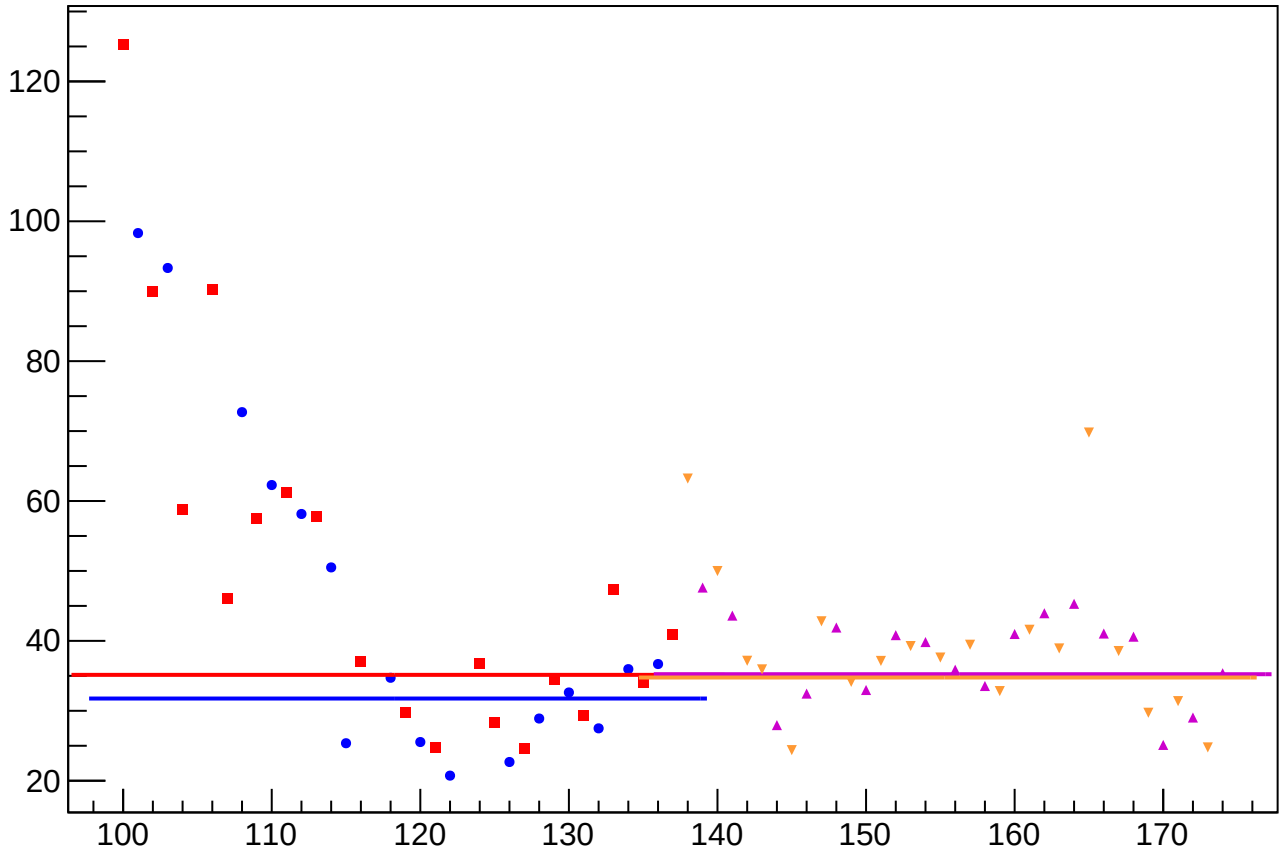
Left: 0.011+/-0.007 χ^2/NDF: 32.4/36

Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/71



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.761+/-0.007 χ^2/NDF:1527253.8/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921067.3/17

Left: 34.992+/-0.005 χ^2/NDF: 2450799.5/36

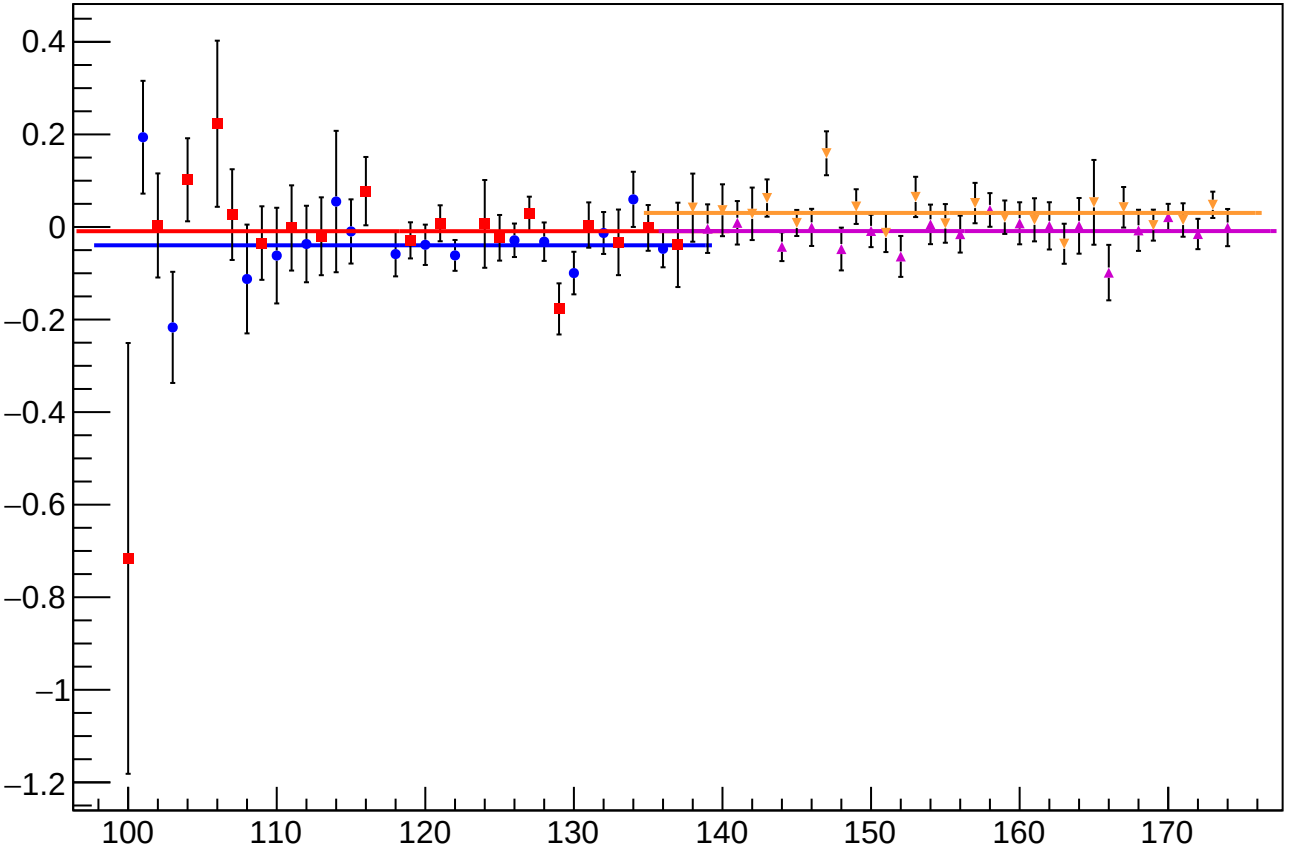
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.029+/-0.005 χ^2/NDF:3264744.6/33

Out: 34.876+/-0.006 χ^2/NDF:3372923.9/37

All: 34.448+/-0.004 χ^2/NDF: 6649511.0/71

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

Left: 0.011+/-0.007 χ^2/NDF: 32.4/36

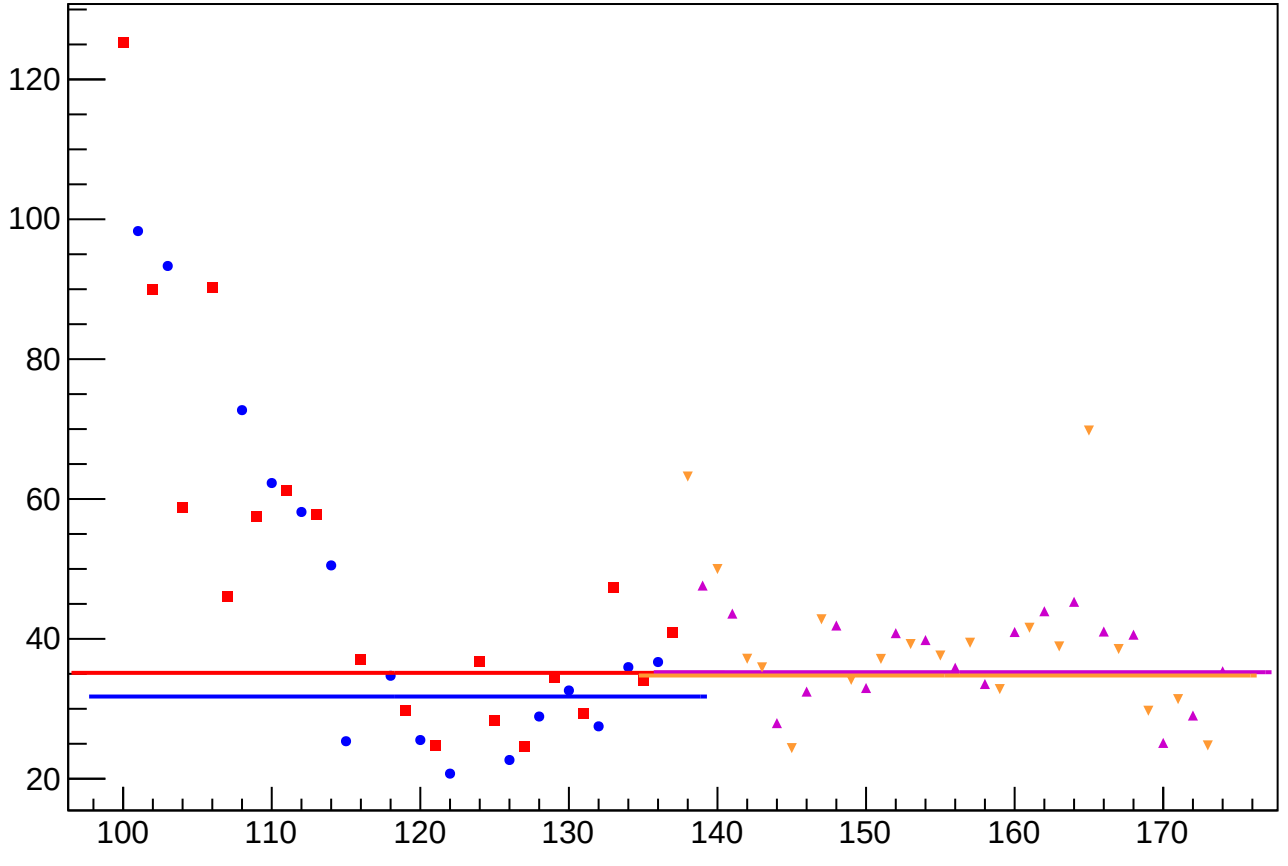
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/71

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.755+/-0.009 χ^2/NDF: 2252399.3/15

Left Out: 34.761+/-0.007 χ^2/NDF:1527253.8/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844676.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921067.3/17

Left: 34.992+/-0.005 χ^2/NDF: 2450799.5/36

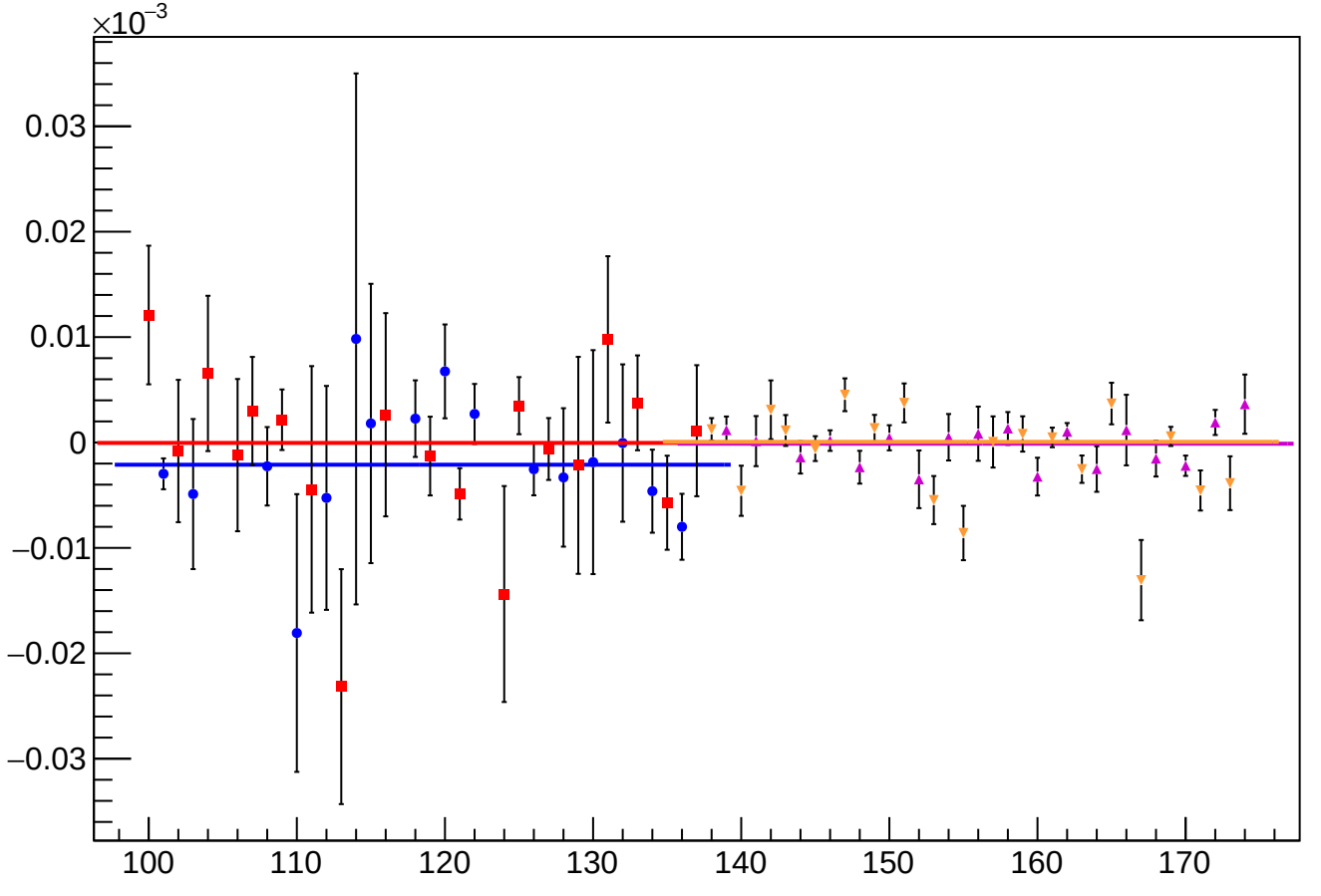
Right: 33.323+/-0.007 χ^2/NDF: 4158326.5/34

In: 34.029+/-0.005 χ^2/NDF:3264744.6/33

Out: 34.876+/-0.006 χ^2/NDF:3372923.9/37

All: 34.448+/-0.004 χ^2/NDF: 6649511.0/71

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 14.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:65.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:23.1/17

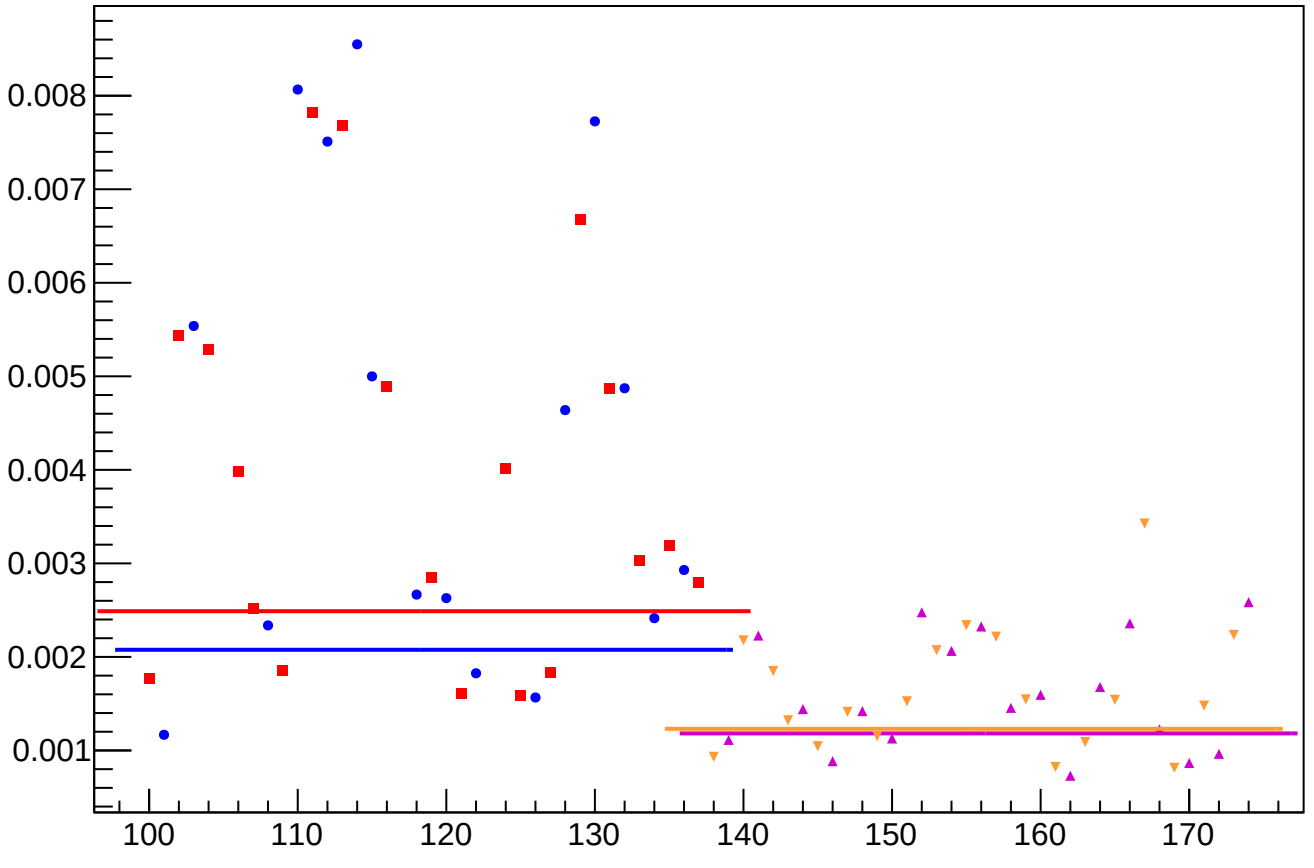
Left: -0.000+/-0.000 χ^2/NDF: 89.0/36

Right: -0.000+/-0.000 χ^2/NDF: 38.4/34

In: -0.000+/-0.000 χ^2/NDF:42.0/33

Out: 0.000+/-0.000 χ^2/NDF:87.1/37

All: -0.000+/-0.000 χ^2/NDF: 130.0/71



Right In: 0.002+/-0.000 χ^2/NDF: 3916668.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:3641810.1/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3092230.7/18

Left In: 0.001+/-0.000 χ^2/NDF:3767370.5/17

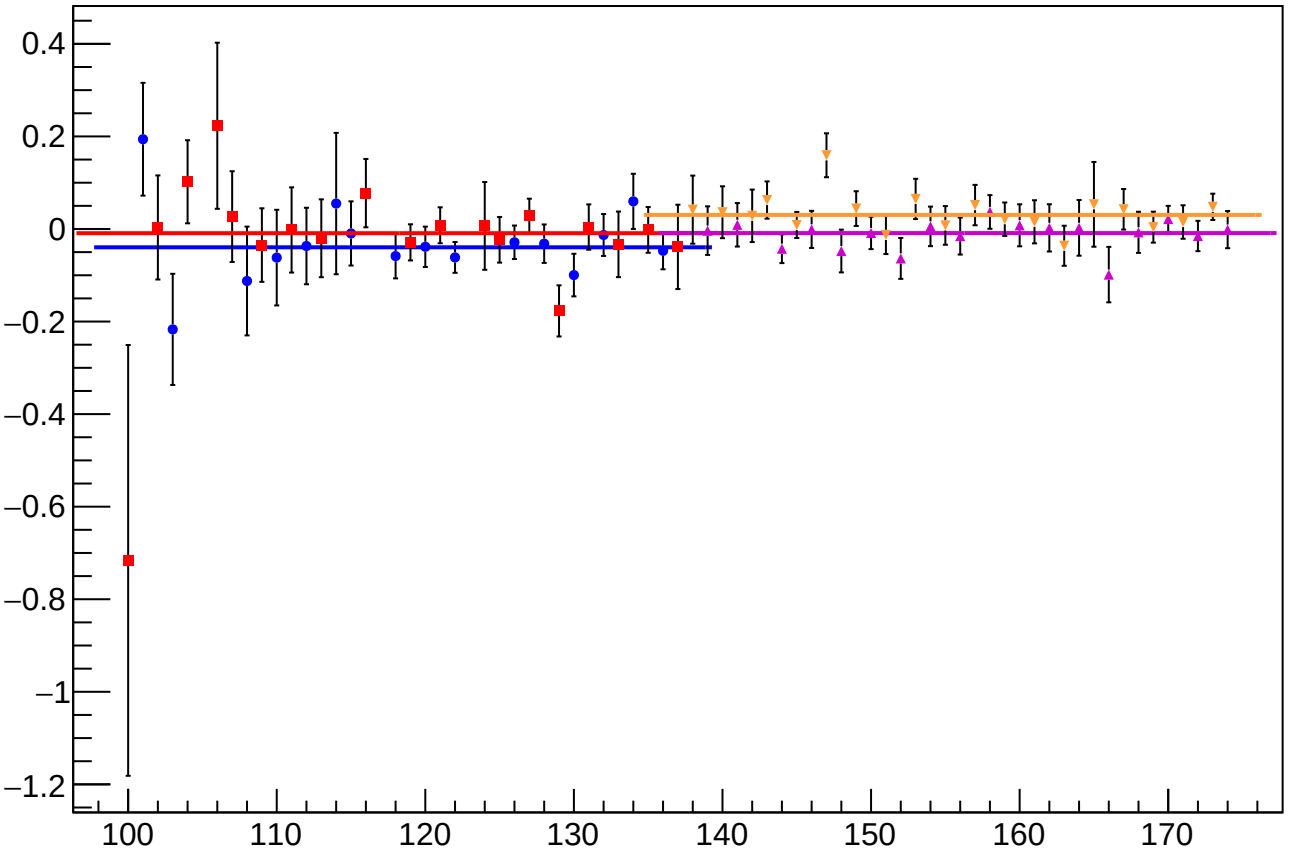
Left: 0.001+/-0.000 χ^2/NDF: 7429775.7/36

Right: 0.002+/-0.000 χ^2/NDF: 7186793.8/34

In: 0.001+/-0.000 χ^2/NDF:9379569.6/33

Out: 0.001+/-0.000 χ^2/NDF:9353746.9/37

All: 0.001+/-0.000 χ^2/NDF: 18773665.3/71



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

Left: 0.011+/-0.007 χ^2/NDF: 32.4/36

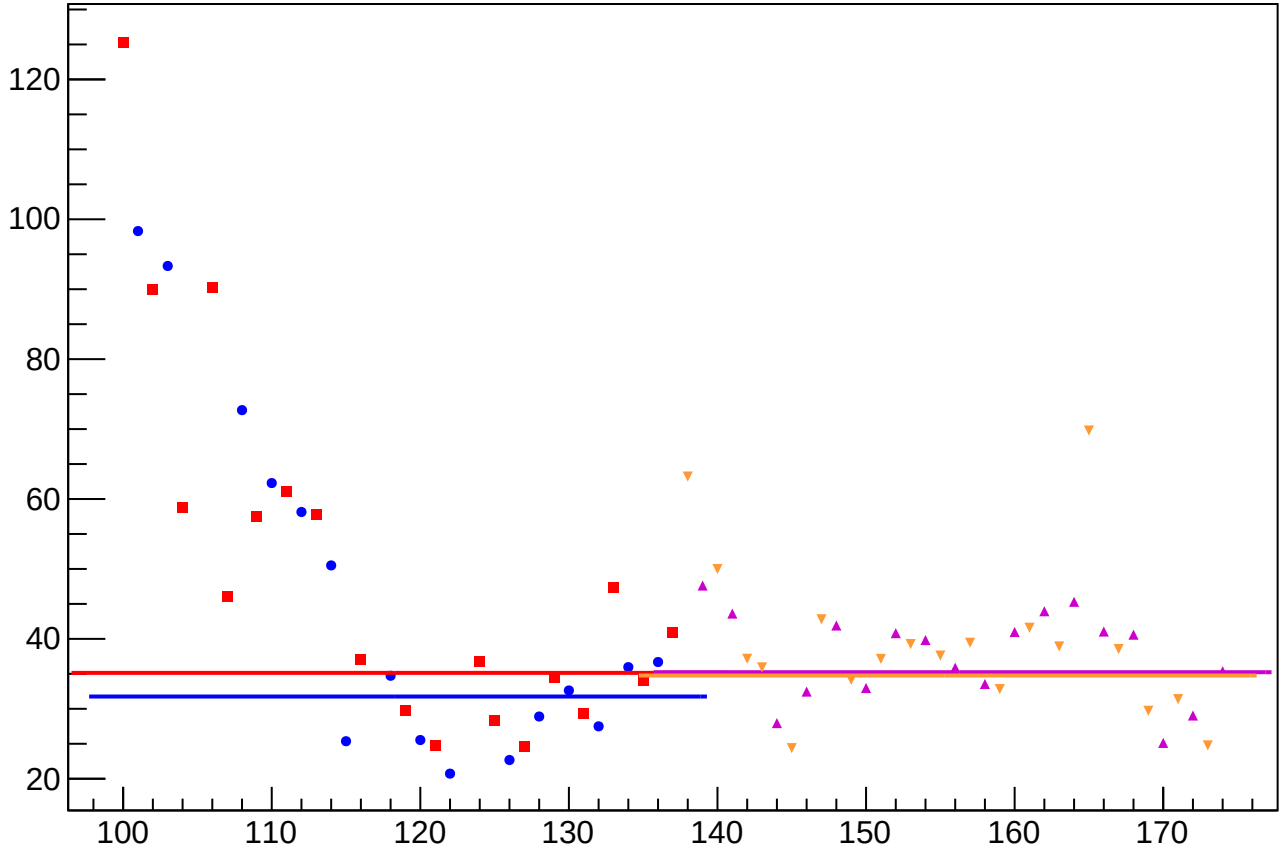
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/71

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: 34.761+/-0.007 χ^2/NDF:1527287.9/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

Left: 34.992+/-0.005 χ^2/NDF: 2450849.4/36

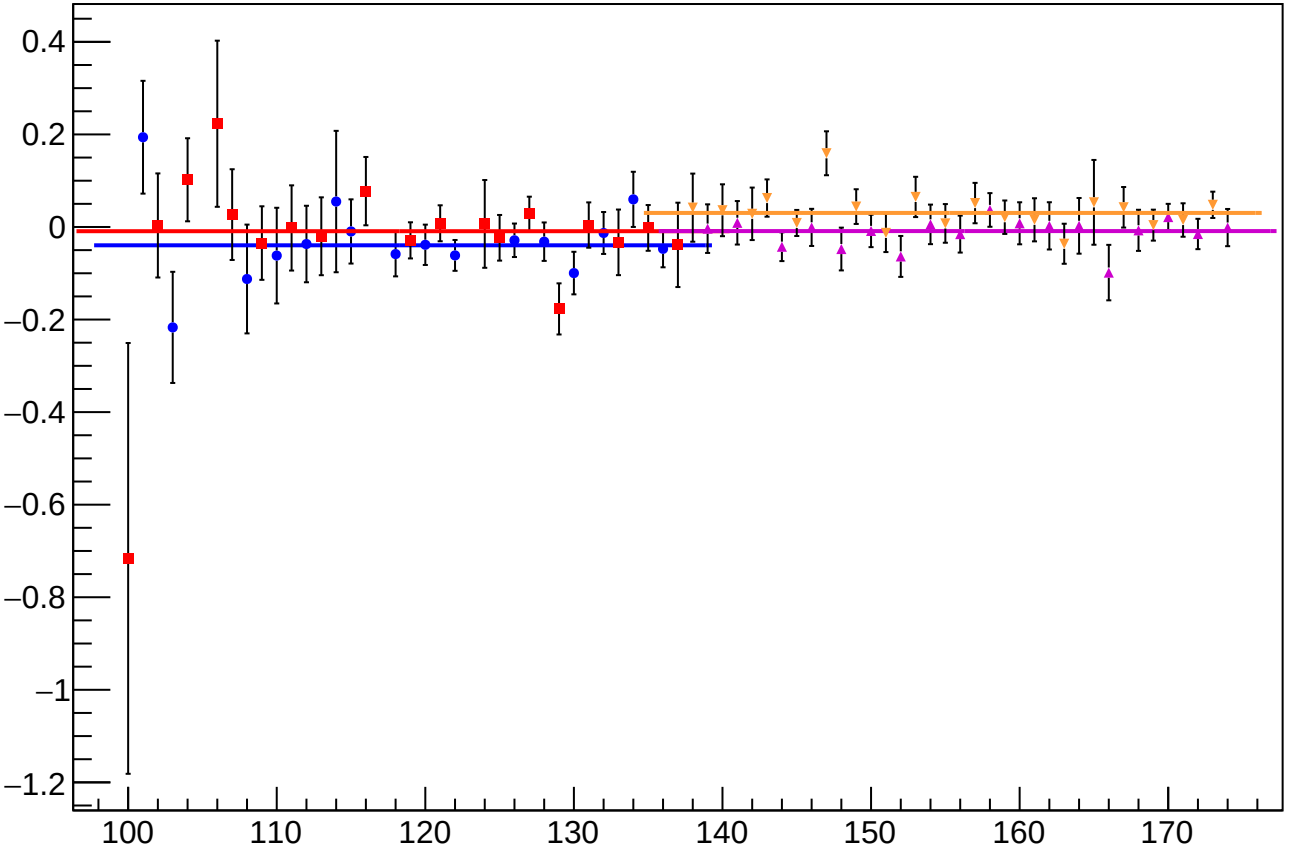
Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.029+/-0.005 χ^2/NDF:3264712.7/33

Out: 34.876+/-0.006 χ^2/NDF:3372856.7/37

All: 34.448+/-0.004 χ^2/NDF: 6649412.2/71

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.040+/-0.013 χ^2/NDF: 12.4/15

Left Out: 0.030+/-0.009 χ^2/NDF:14.9/18

Right Out: -0.009+/-0.014 χ^2/NDF: 18.3/18

Left In: -0.009+/-0.010 χ^2/NDF:9.0/17

Left: 0.011+/-0.007 χ^2/NDF: 32.4/36

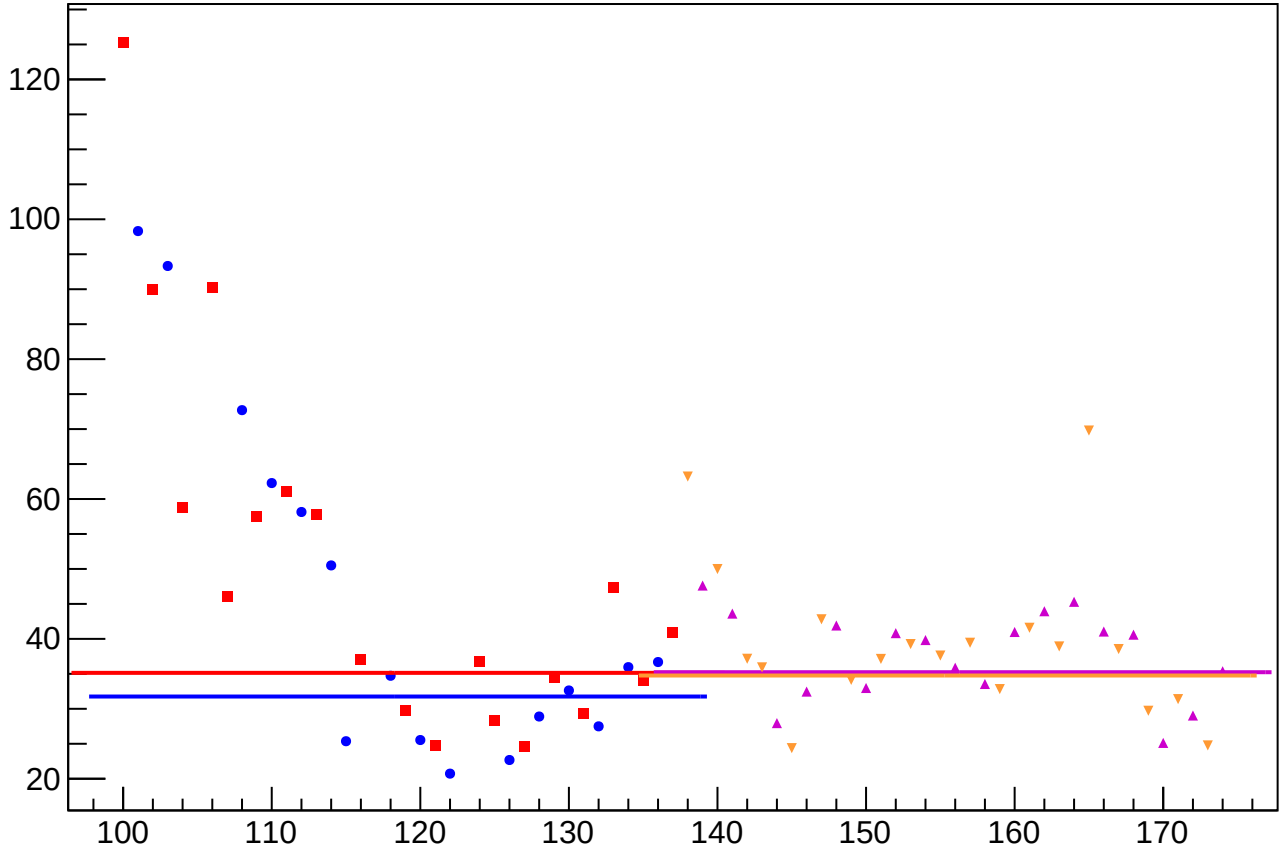
Right: -0.025+/-0.010 χ^2/NDF: 33.2/34

In: -0.019+/-0.008 χ^2/NDF:25.0/33

Out: 0.018+/-0.008 χ^2/NDF:38.6/37

All: -0.001+/-0.006 χ^2/NDF: 75.4/71

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.756+/-0.009 χ^2/NDF: 2252373.4/15

Left Out: 34.761+/-0.007 χ^2/NDF:1527287.9/18

Right Out: 35.140+/-0.010 χ^2/NDF: 1844572.3/18

Left In: 35.233+/-0.007 χ^2/NDF:921083.1/17

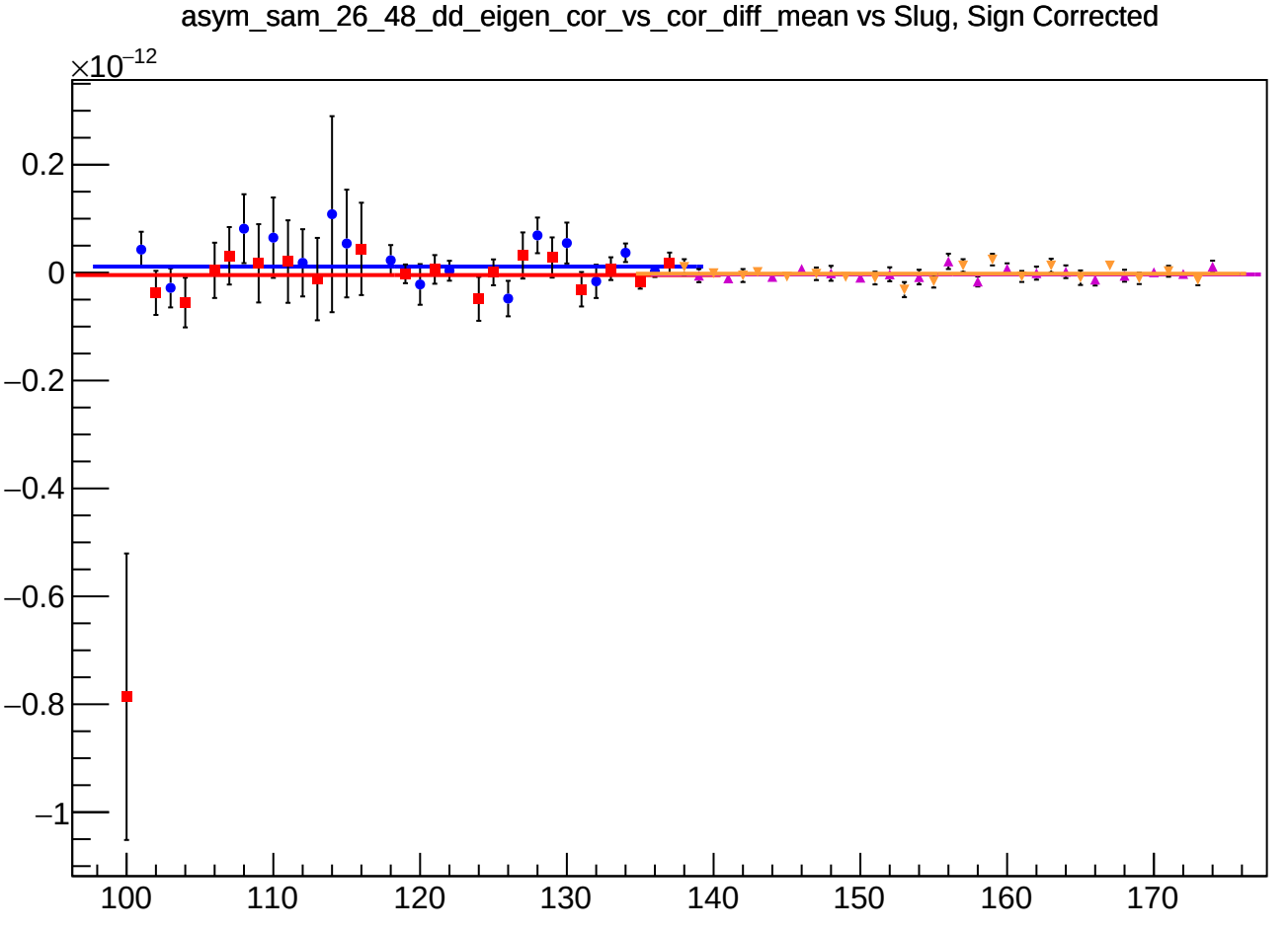
Left: 34.992+/-0.005 χ^2/NDF: 2450849.4/36

Right: 33.324+/-0.007 χ^2/NDF: 4158199.3/34

In: 34.029+/-0.005 χ^2/NDF:3264712.7/33

Out: 34.876+/-0.006 χ^2/NDF:3372856.7/37

All: 34.448+/-0.004 χ^2/NDF: 6649412.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.5/18

Left In: -0.000+/-0.000 χ^2/NDF:12.5/17

Left: -0.000+/-0.000 χ^2/NDF: 35.8/36

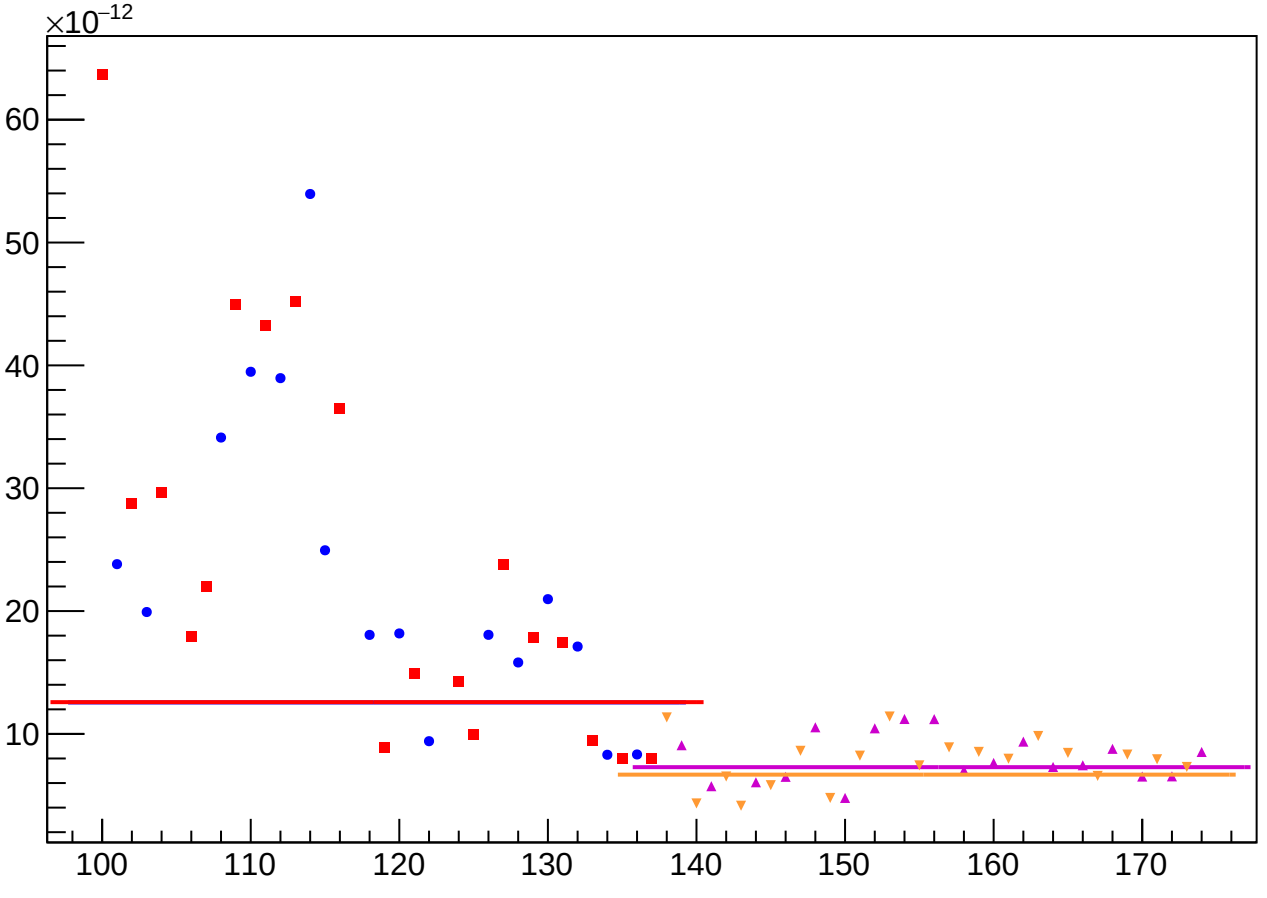
Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: -0.000+/-0.000 χ^2/NDF:33.9/33

Out: -0.000+/-0.000 χ^2/NDF:40.8/37

All: -0.000+/-0.000 χ^2/NDF: 74.7/71

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2164553.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1740561.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2747891.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1133067.1/17

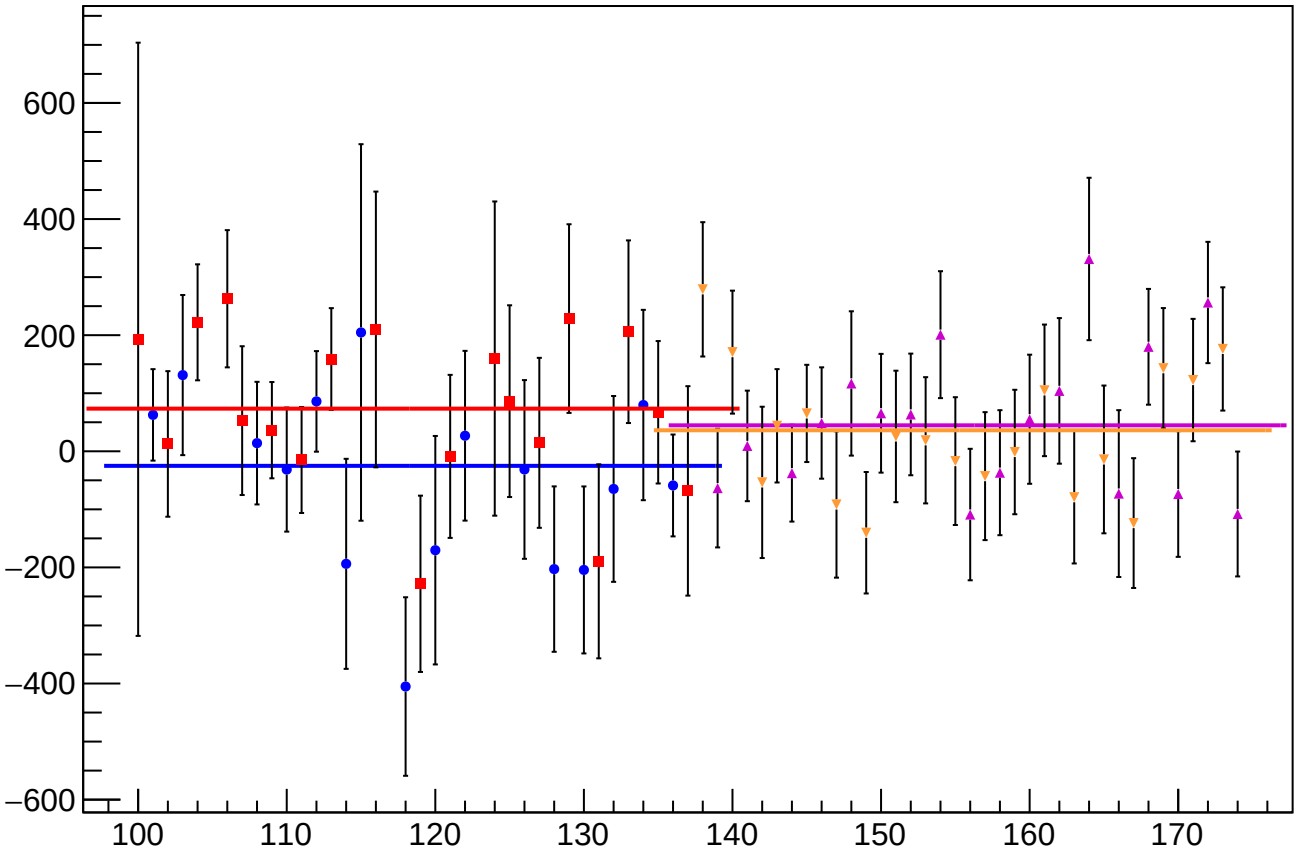
Left: 0.000+/-0.000 χ^2/NDF: 2945460.2/36

Right: 0.000+/-0.000 χ^2/NDF: 4912459.0/34

In: 0.000+/-0.000 χ^2/NDF:4478499.9/33

Out: 0.000+/-0.000 χ^2/NDF:5909191.6/37

All: 0.000+/-0.000 χ^2/NDF: 10477084.1/71



Right In: -25.072+/-31.230 χ^2/NDF: 16.2/15

Left Out: 36.182+/-24.940 χ^2/NDF:18.5/18

Right Out: 73.458+/-29.935 χ^2/NDF: 16.8/18

Left In: 44.726+/-25.270 χ^2/NDF:21.4/17

Left: 40.397+/-17.751 χ^2/NDF: 39.9/36

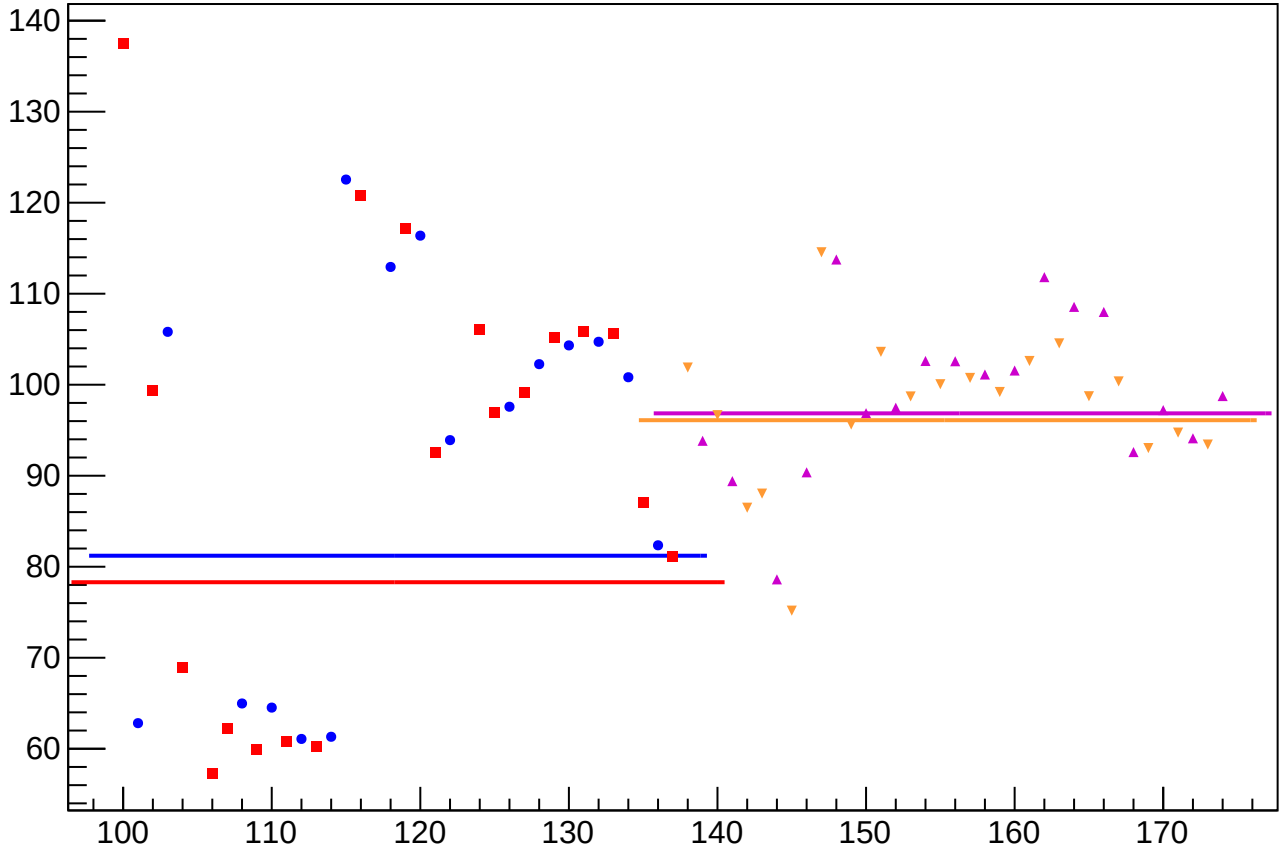
Right: 26.278+/-21.610 χ^2/NDF: 38.2/34

In: 17.108+/-19.645 χ^2/NDF:40.6/33

Out: 51.455+/-19.161 χ^2/NDF:36.2/37

All: 34.709+/-13.717 χ^2/NDF: 78.3/71

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 81.210+/-0.022 χ^2/NDF: 787676.9/15

Left Out: 96.101+/-0.018 χ^2/NDF:239835.5/18

Right Out: 78.298+/-0.021 χ^2/NDF: 934673.9/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

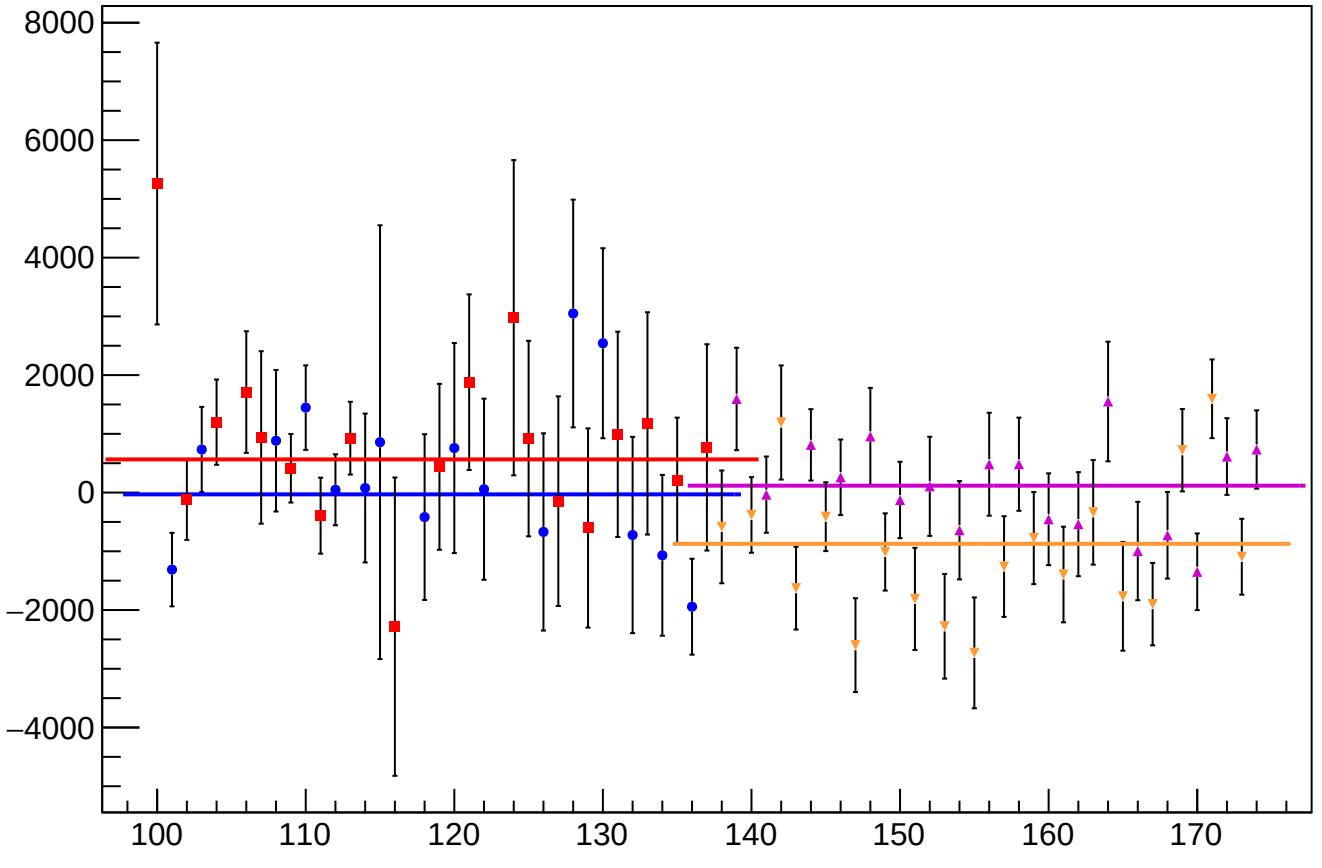
Left: 96.472+/-0.013 χ^2/NDF: 474122.8/36

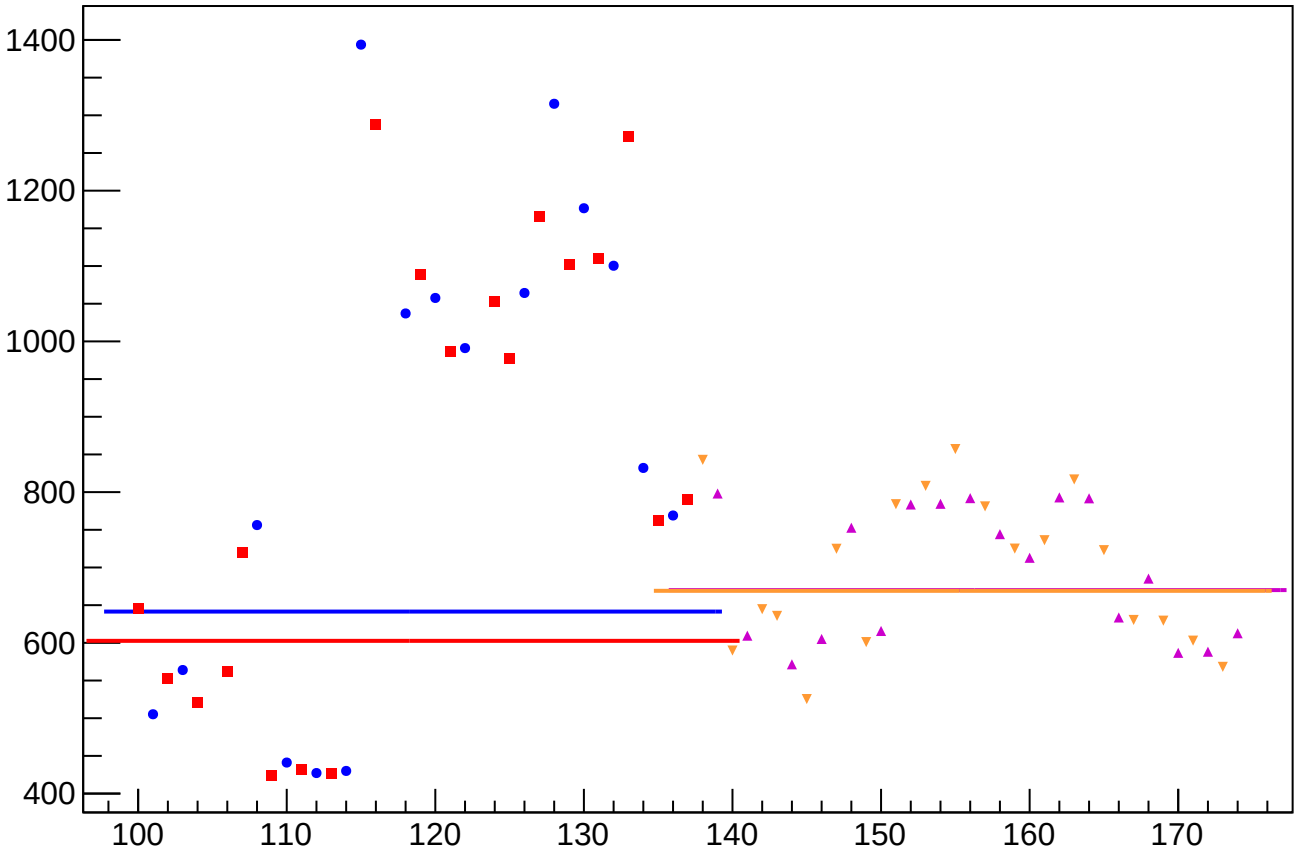
Right: 79.692+/-0.015 χ^2/NDF: 1731411.2/34

In: 90.663+/-0.014 χ^2/NDF:1324342.2/33

Out: 88.807+/-0.014 χ^2/NDF:1592078.7/37

All: 89.712+/-0.010 χ^2/NDF: 2925576.4/71


asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -30.407+/-256.999 χ²/NDF: 21.9/15
Left Out: -872.372+/-174.934 χ²/NDF:42.1/18
Right Out: 564.890+/-238.492 χ²/NDF: 13.3/18
Left In: 117.348+/-175.565 χ²/NDF:19.3/17
Left: -379.292+/-123.920 χ²/NDF: 77.3/36
Right: 289.446+/-174.816 χ²/NDF: 38.1/34
In: 70.335+/-144.968 χ²/NDF:41.4/33
Out: -369.595+/-141.057 χ²/NDF:79.0/37
All: -155.644+/-101.096 χ²/NDF: 125.1/71



Right In: 641.499+/-0.182 χ^2/NDF: 1874990.8/15

Left Out: 669.057+/-0.124 χ^2/NDF:616789.0/18

Right Out: 602.654+/-0.169 χ^2/NDF: 2070307.7/18

Left In: 670.007+/-0.124 χ^2/NDF:453724.7/17

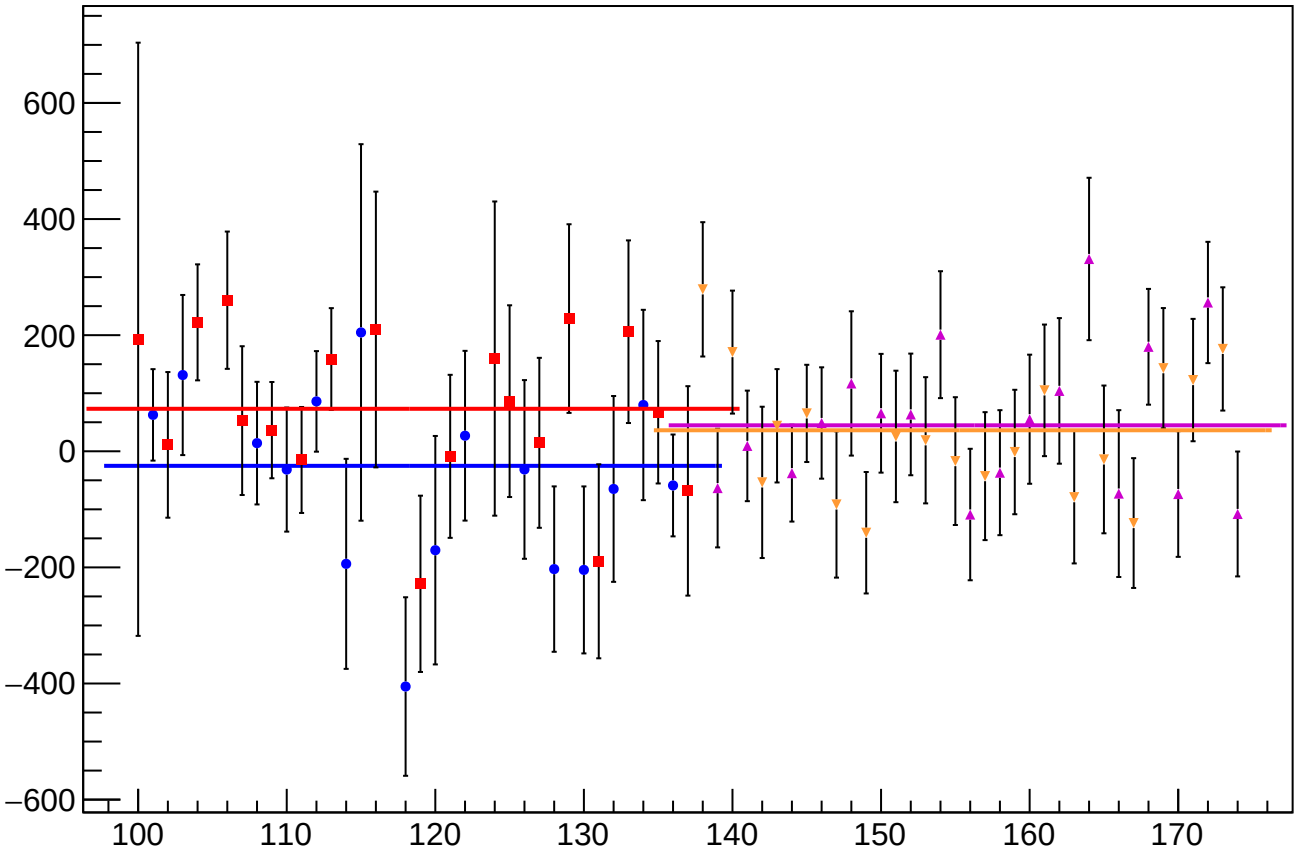
Left: 669.530+/-0.088 χ^2/NDF: 1070543.0/36

Right: 620.627+/-0.124 χ^2/NDF: 3969848.5/34

In: 660.936+/-0.103 χ^2/NDF:2345494.9/33

Out: 645.828+/-0.100 χ^2/NDF:2787907.0/37

All: 653.176+/-0.071 χ^2/NDF: 5144559.2/71



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 36.184+/-24.940 χ^2/NDF:18.5/18

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 44.724+/-25.270 χ^2/NDF:21.4/17

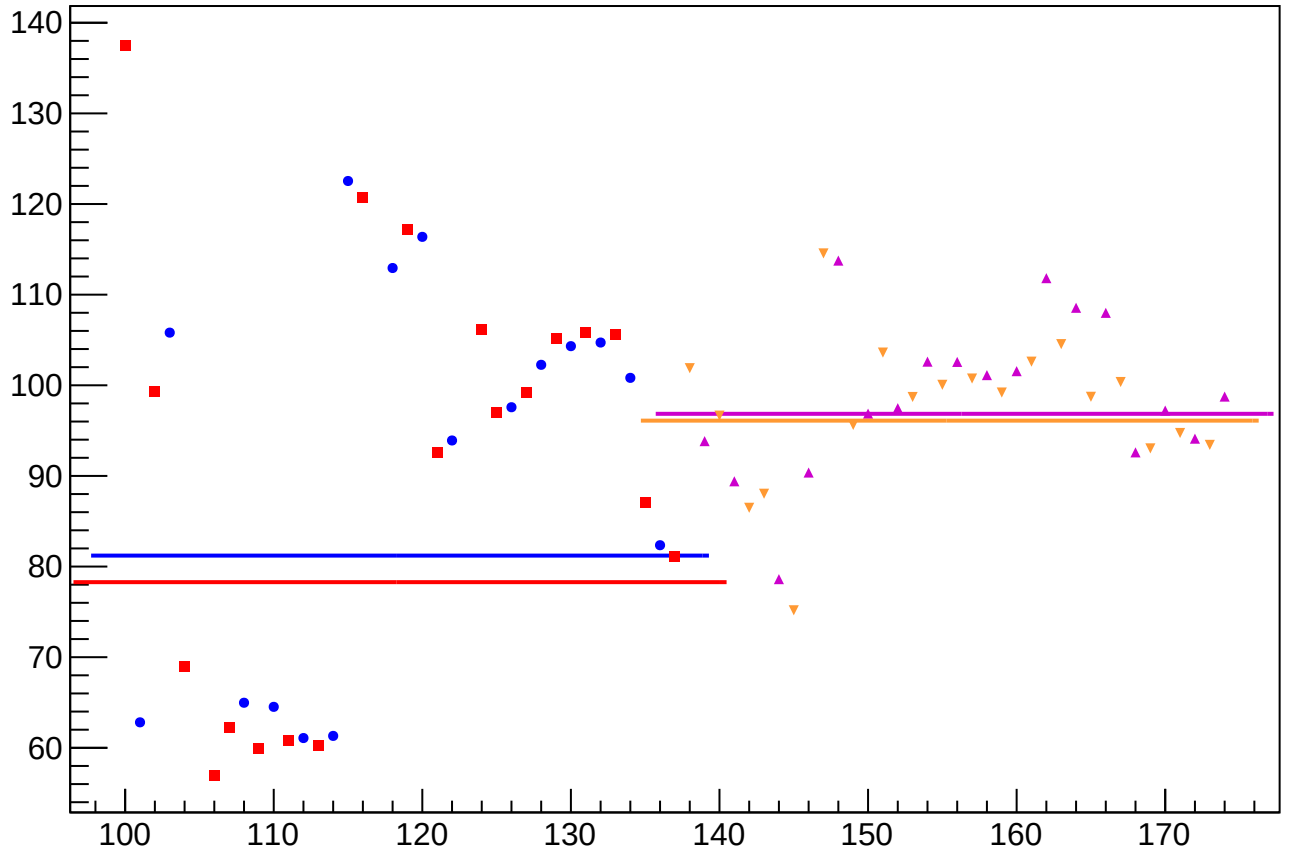
Left: 40.398+/-17.751 χ^2/NDF: 39.9/36

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.106+/-19.645 χ^2/NDF:40.6/33

Out: 51.346+/-19.162 χ^2/NDF:36.1/37

All: 34.652+/-13.717 χ^2/NDF: 78.2/71



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.101+/-0.018 χ^2/NDF:239835.5/18

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

Left: 96.472+/-0.013 χ^2/NDF: 474122.8/36

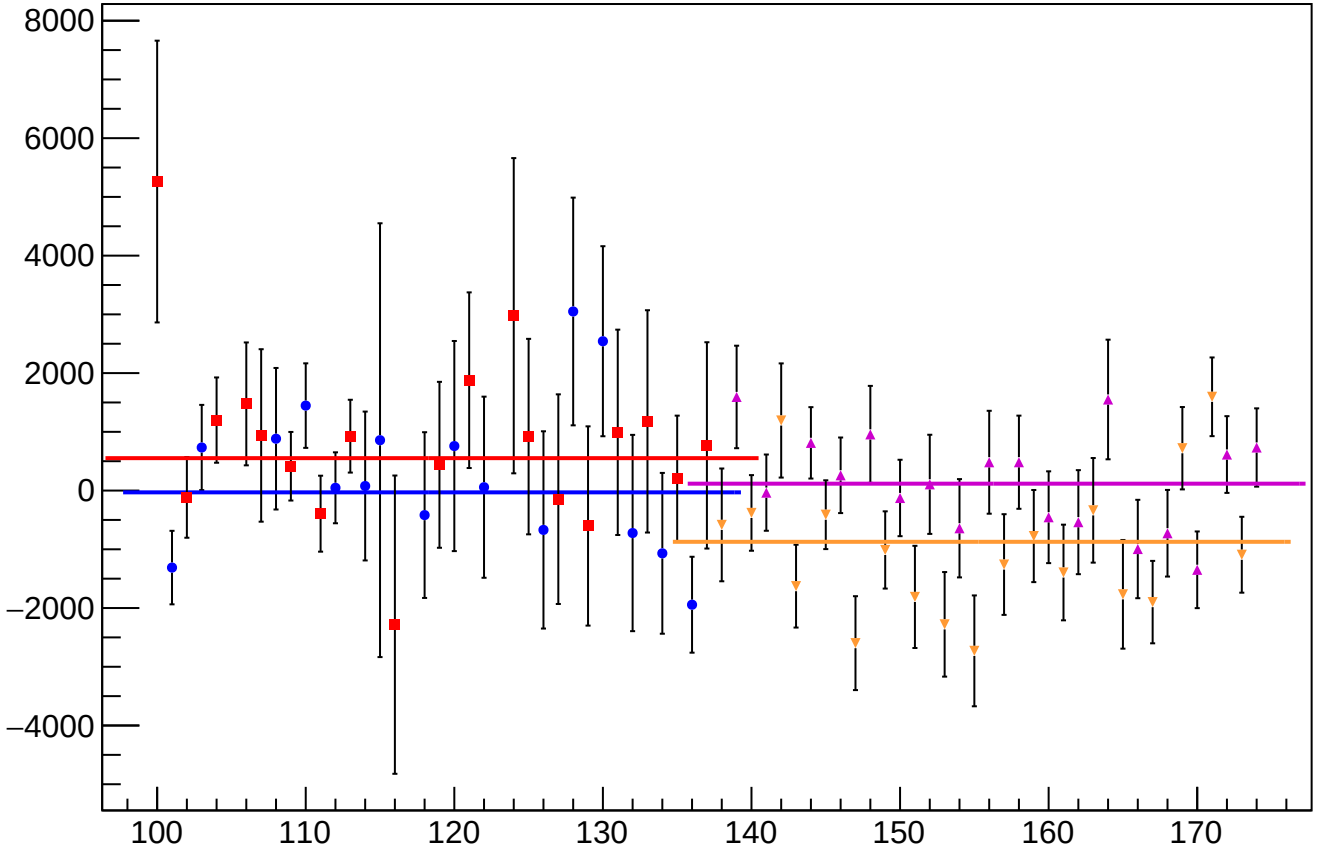
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.663+/-0.014 χ^2/NDF:1324343.9/33

Out: 88.800+/-0.014 χ^2/NDF:1595061.8/37

All: 89.708+/-0.010 χ^2/NDF: 2928631.2/71

asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -872.370+/-174.934 χ^2/NDF:42.1/18

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 117.351+/-175.565 χ^2/NDF:19.3/17

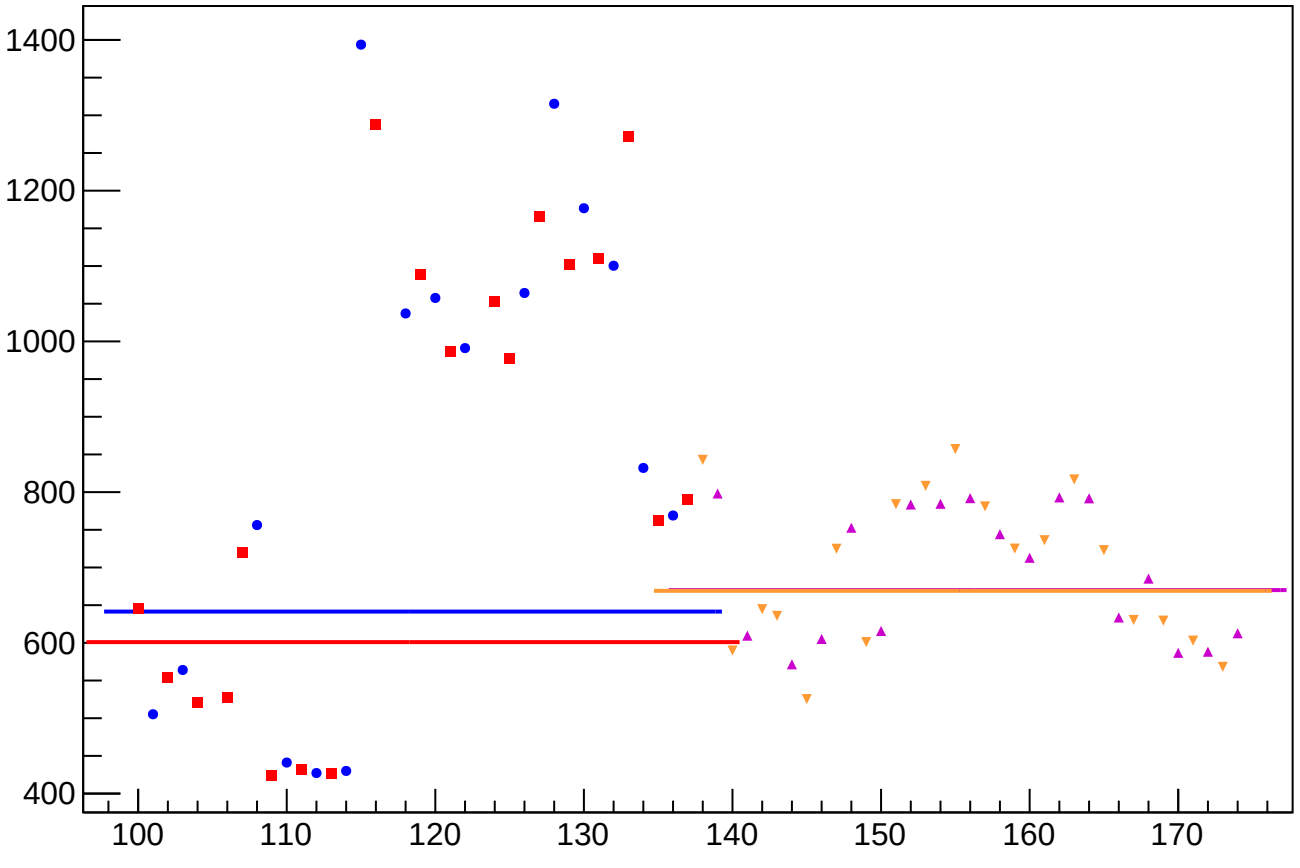
Left: -379.289+/-123.920 χ^2/NDF: 77.3/36

Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 70.329+/-144.968 χ^2/NDF:41.4/33

Out: -374.523+/-141.087 χ^2/NDF:78.1/37

All: -158.131+/-101.108 χ^2/NDF: 124.3/71



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.058+/-0.124 χ^2/NDF:616789.1/18

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

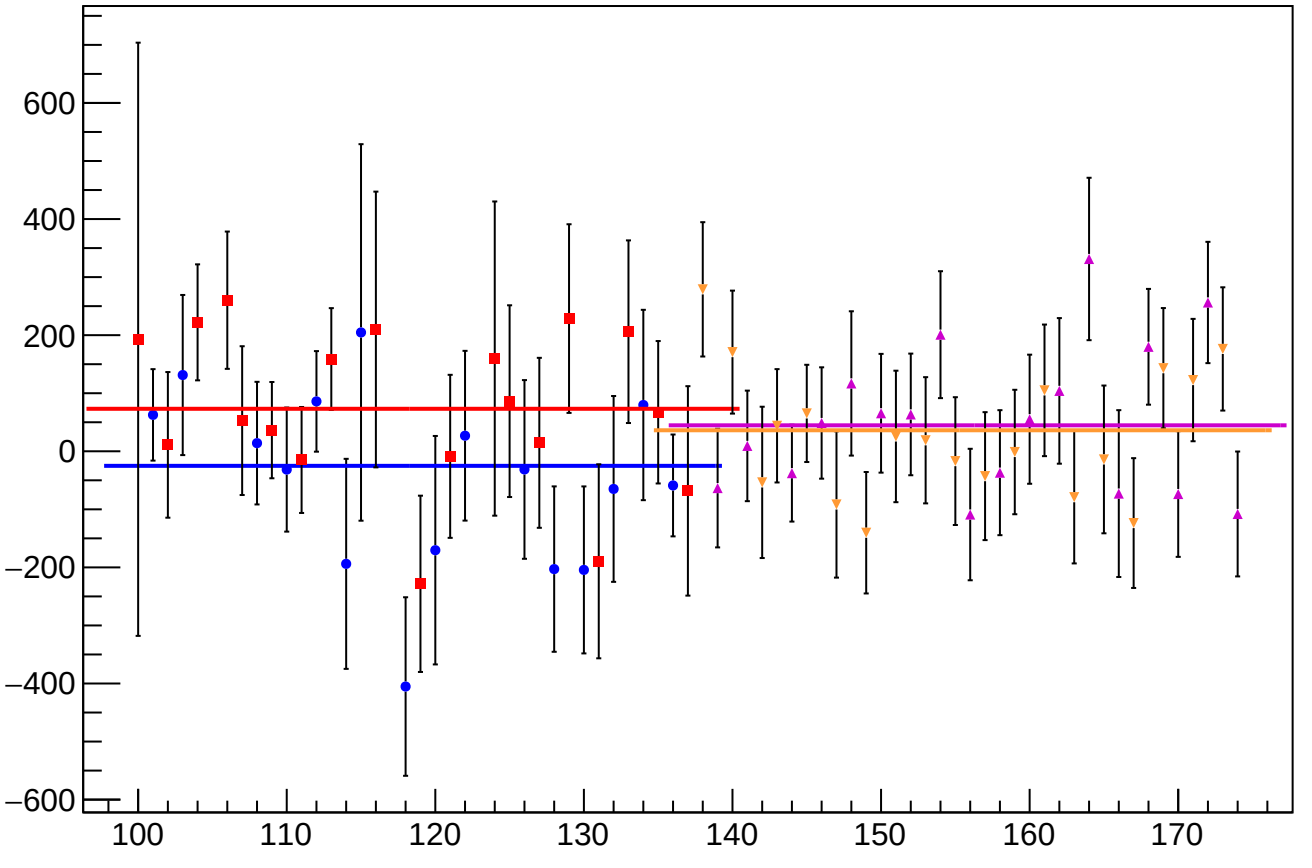
Left: 669.530+/-0.088 χ^2/NDF: 1070543.6/36

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.939+/-0.103 χ^2/NDF:2345443.7/33

Out: 645.261+/-0.100 χ^2/NDF:2799906.5/37

All: 652.887+/-0.071 χ^2/NDF: 5157364.0/71



Right In: -25.075+/-31.230 χ^2/NDF: 16.2/15

Left Out: 36.184+/-24.940 χ^2/NDF:18.5/18

Right Out: 73.193+/-29.937 χ^2/NDF: 16.7/18

Left In: 44.724+/-25.270 χ^2/NDF:21.4/17

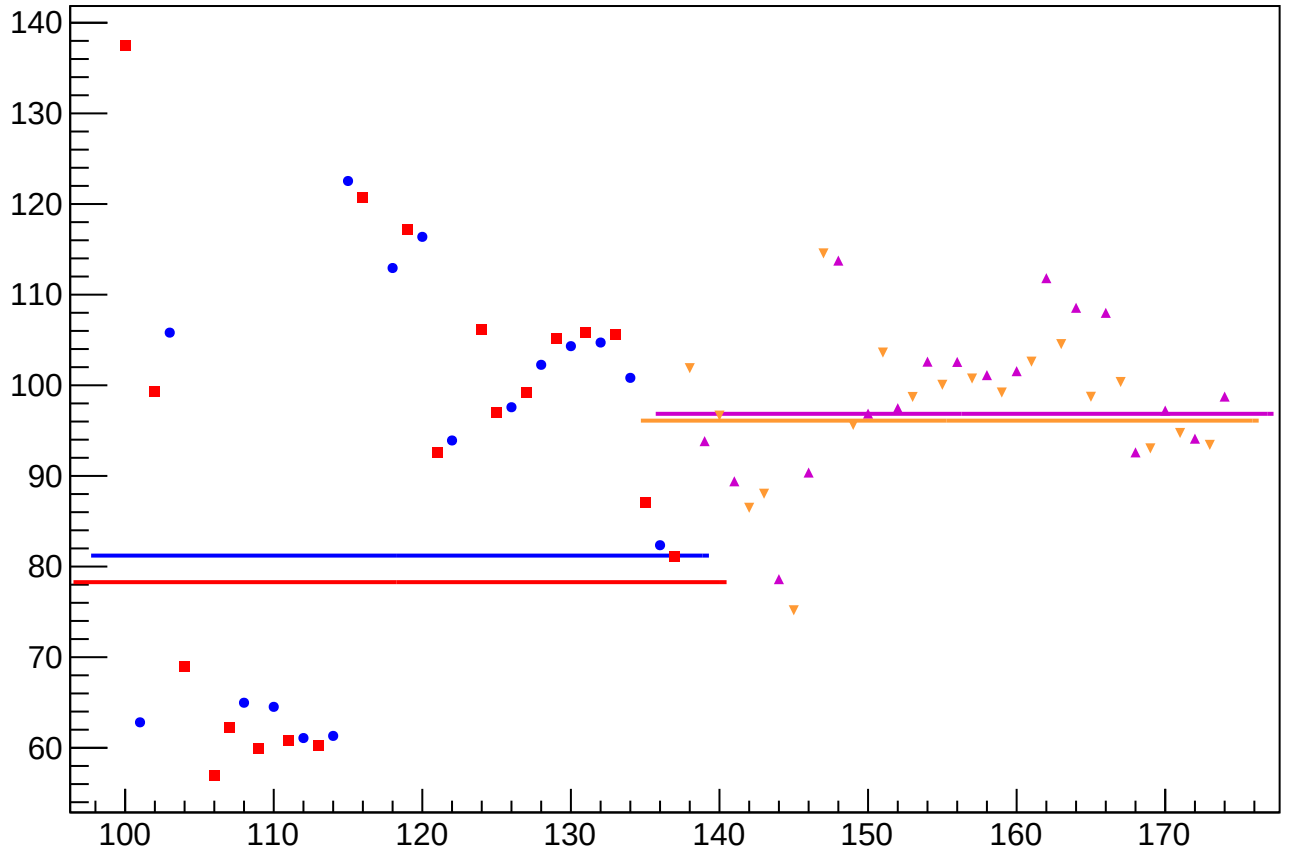
Left: 40.398+/-17.751 χ^2/NDF: 39.9/36

Right: 26.135+/-21.611 χ^2/NDF: 38.1/34

In: 17.106+/-19.645 χ^2/NDF:40.6/33

Out: 51.346+/-19.162 χ^2/NDF:36.1/37

All: 34.652+/-13.717 χ^2/NDF: 78.2/71



Right In: 81.210+/-0.022 χ^2/NDF: 787679.3/15

Left Out: 96.101+/-0.018 χ^2/NDF:239835.5/18

Right Out: 78.279+/-0.021 χ^2/NDF: 936812.2/18

Left In: 96.853+/-0.018 χ^2/NDF:233389.8/17

Left: 96.472+/-0.013 χ^2/NDF: 474122.8/36

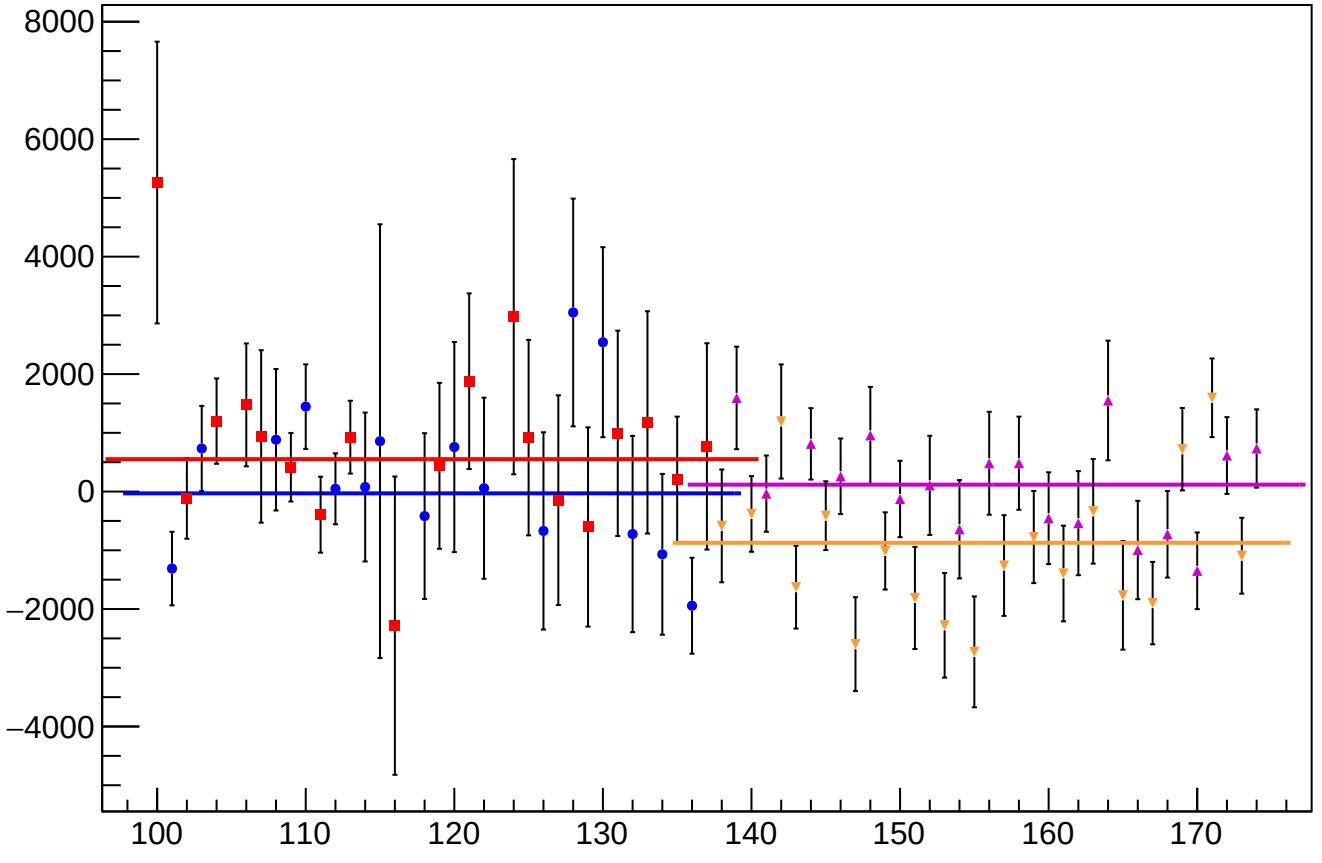
Right: 79.683+/-0.015 χ^2/NDF: 1733667.8/34

In: 90.663+/-0.014 χ^2/NDF:1324343.9/33

Out: 88.800+/-0.014 χ^2/NDF:1595061.8/37

All: 89.708+/-0.010 χ^2/NDF: 2928631.2/71

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -30.434+/-257.002 χ^2/NDF: 21.9/15

Left Out: -872.370+/-174.934 χ^2/NDF:42.1/18

Right Out: 551.948+/-238.640 χ^2/NDF: 12.8/18

Left In: 117.351+/-175.565 χ^2/NDF:19.3/17

Left: -379.289+/-123.920 χ^2/NDF: 77.3/36

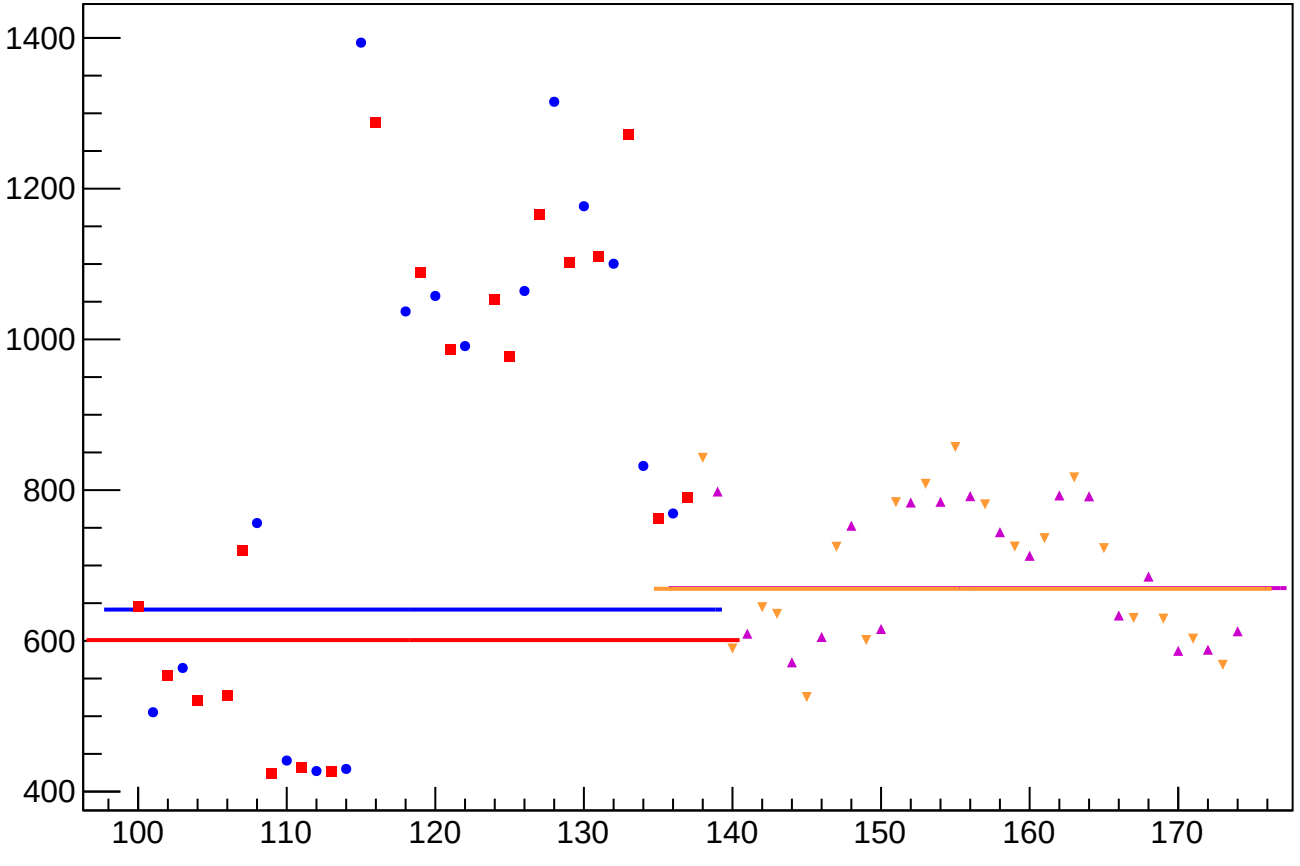
Right: 282.303+/-174.876 χ^2/NDF: 37.4/34

In: 70.329+/-144.968 χ^2/NDF:41.4/33

Out: -374.523+/-141.087 χ^2/NDF:78.1/37

All: -158.131+/-101.108 χ^2/NDF: 124.3/71

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 641.507+/-0.182 χ^2/NDF: 1874950.0/15

Left Out: 669.058+/-0.124 χ^2/NDF:616789.1/18

Right Out: 600.975+/-0.169 χ^2/NDF: 2077232.5/18

Left In: 670.007+/-0.124 χ^2/NDF:453725.2/17

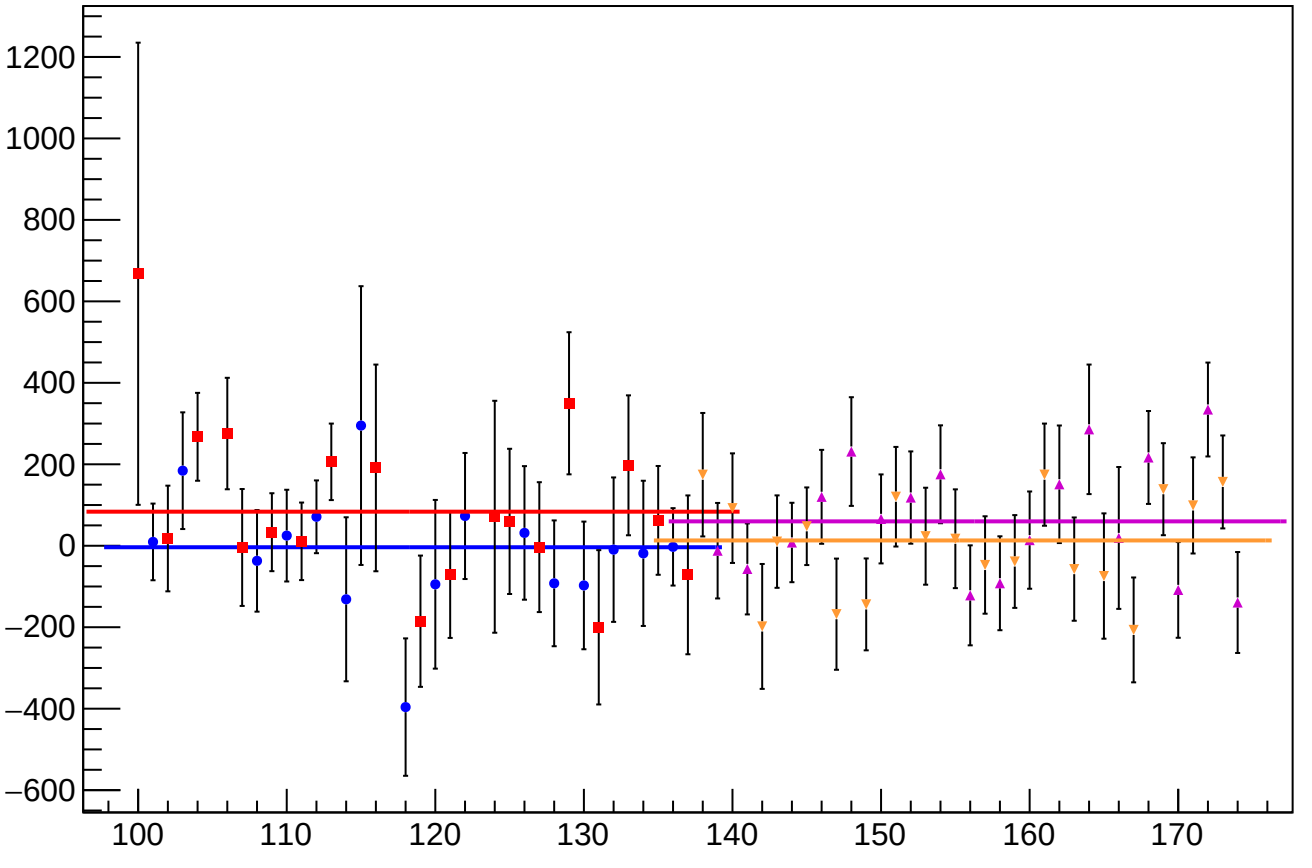
Left: 669.530+/-0.088 χ^2/NDF: 1070543.6/36

Right: 619.742+/-0.124 χ^2/NDF: 3978895.7/34

In: 660.939+/-0.103 χ^2/NDF:2345443.7/33

Out: 645.261+/-0.100 χ^2/NDF:2799906.5/37

All: 652.887+/-0.071 χ^2/NDF: 5157364.0/71



Right In: -3.635+/-34.152 χ^2/NDF: 10.3/15

Left Out: 13.042+/-28.068 χ^2/NDF:17.0/18

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 59.877+/-28.369 χ^2/NDF:23.6/17

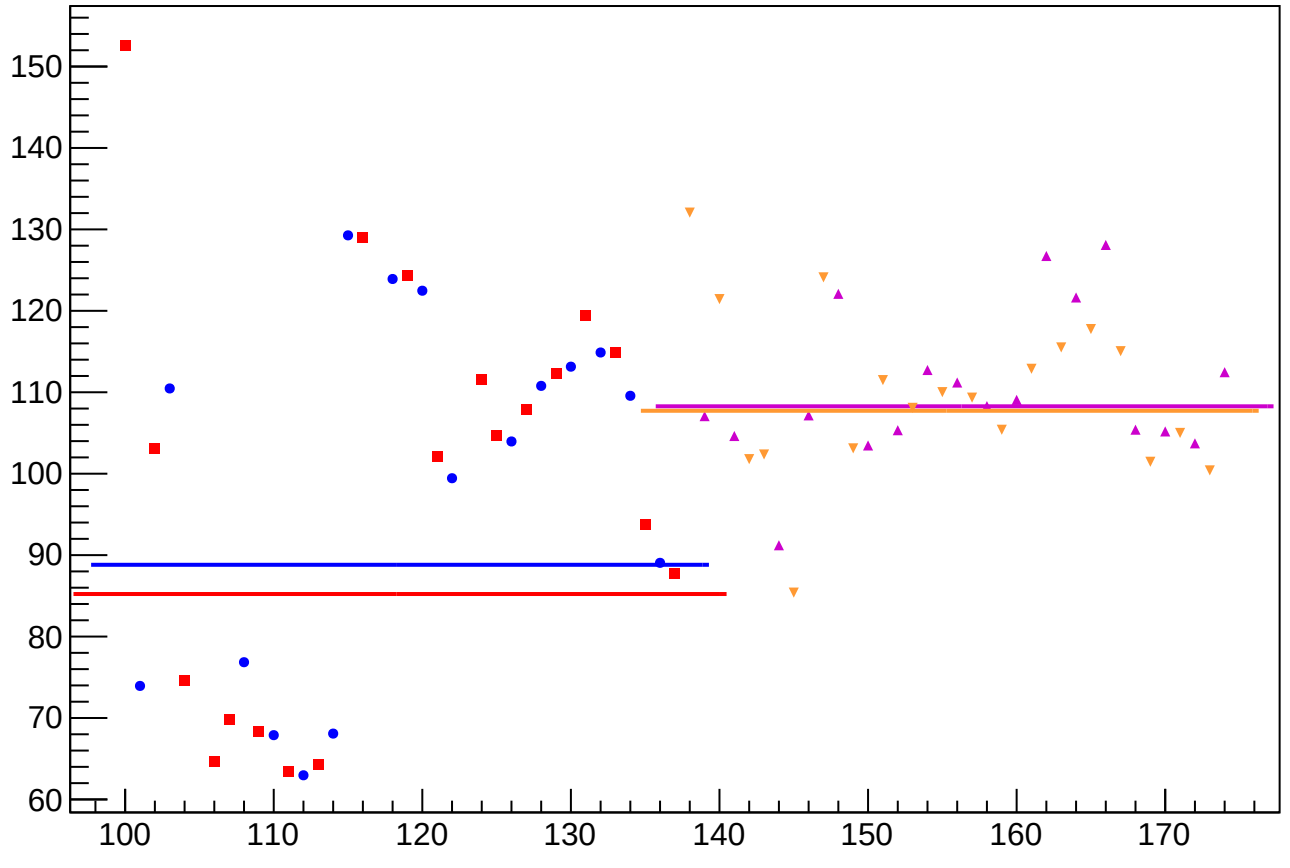
Left: 36.210+/-19.953 χ^2/NDF: 42.0/36

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 33.947+/-21.822 χ^2/NDF:36.0/33

Out: 43.078+/-21.280 χ^2/NDF:38.8/37

All: 38.627+/-15.235 χ^2/NDF: 74.9/71



Right In: 88.813+/-0.024 χ^2/NDF: 724609.8/15

Left Out: 107.727+/-0.020 χ^2/NDF:266988.3/18

Right Out: 85.225+/-0.023 χ^2/NDF: 884071.4/18

Left In: 108.276+/-0.020 χ^2/NDF:175235.1/17

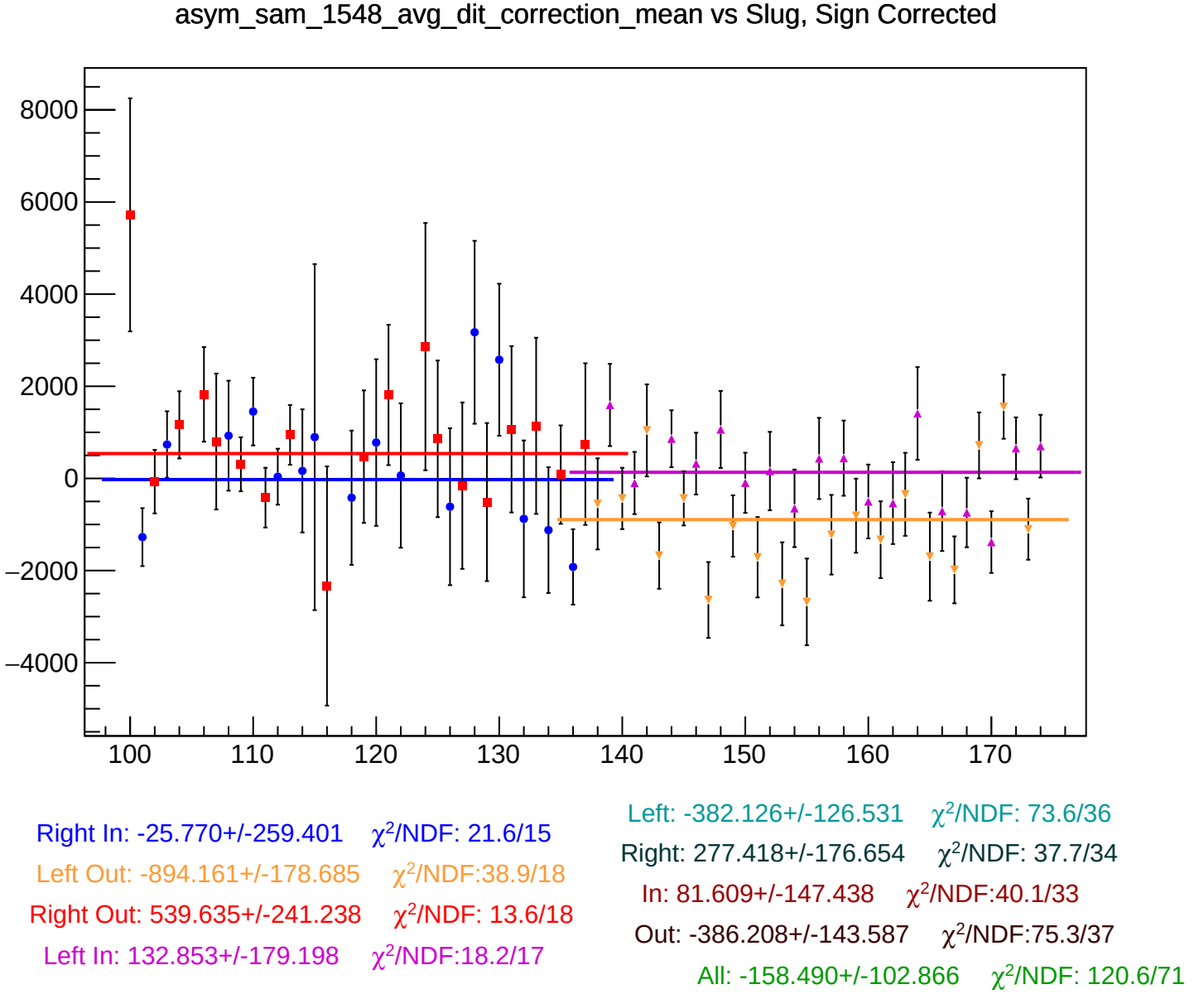
Left: 107.998+/-0.014 χ^2/NDF: 442601.2/36

Right: 86.937+/-0.017 χ^2/NDF: 1620225.0/34

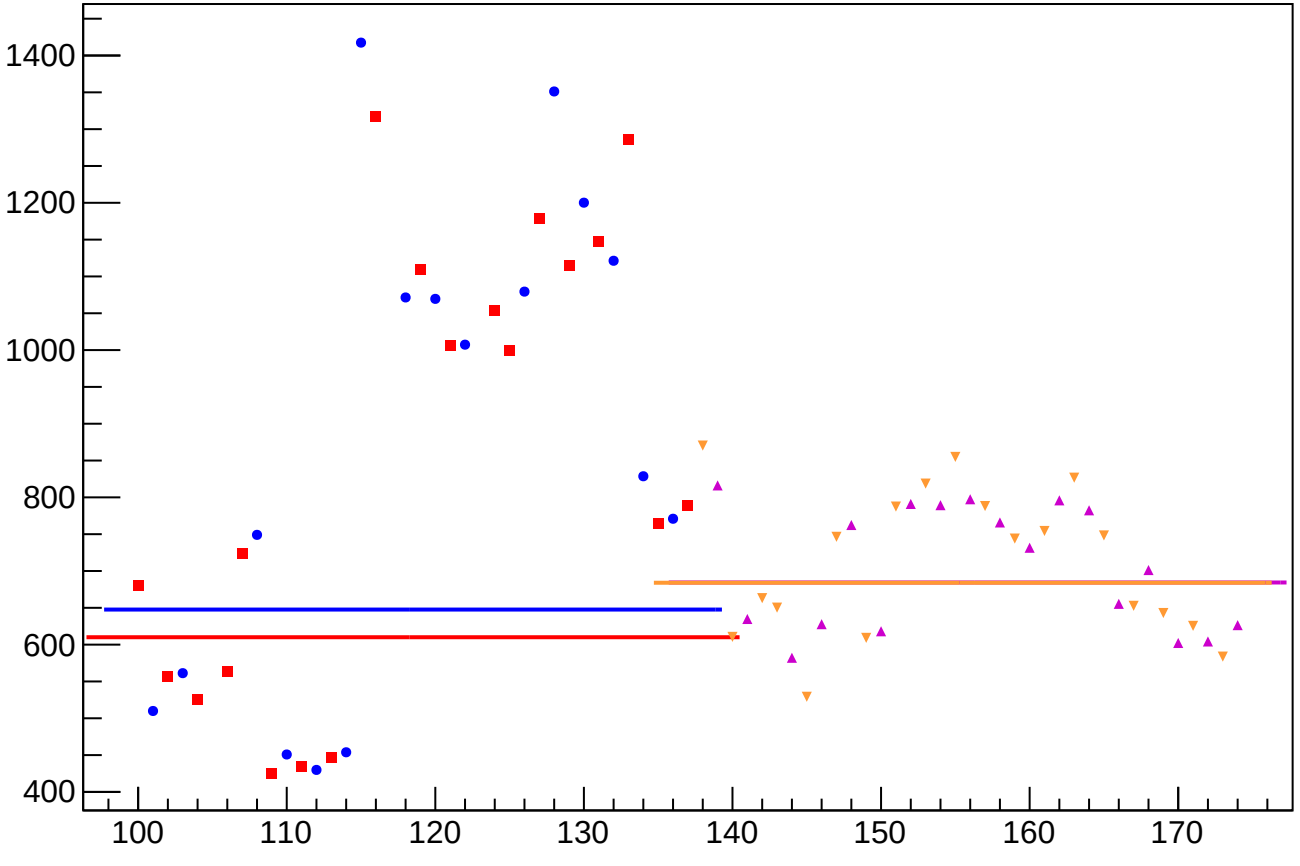
In: 100.329+/-0.015 χ^2/NDF:1284160.0/33

Out: 98.158+/-0.015 χ^2/NDF:1697670.1/37

All: 99.217+/-0.011 χ^2/NDF: 2991977.8/71


asym_sam_1548_avg_dit_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
110
120
130
140
150
160
170
Right In: -25.770+/-259.401 χ²/NDF: 21.6/15
Left Out: -894.161+/-178.685 χ²/NDF:38.9/18
Right Out: 539.635+/-241.238 χ²/NDF: 13.6/18
Left In: 132.853+/-179.198 χ²/NDF:18.2/17
Left: -382.126+/-126.531 χ²/NDF: 73.6/36
Right: 277.418+/-176.654 χ²/NDF: 37.7/34
In: 81.609+/-147.438 χ²/NDF:40.1/33
Out: -386.208+/-143.587 χ²/NDF:75.3/37
All: -158.490+/-102.866 χ²/NDF: 120.6/71

asym_sam_1548_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.641+/-0.183 χ^2/NDF: 1887815.9/15

Left Out: 684.051+/-0.126 χ^2/NDF:597984.0/18

Right Out: 610.061+/-0.171 χ^2/NDF: 2074248.2/18

Left In: 684.400+/-0.127 χ^2/NDF:410270.2/17

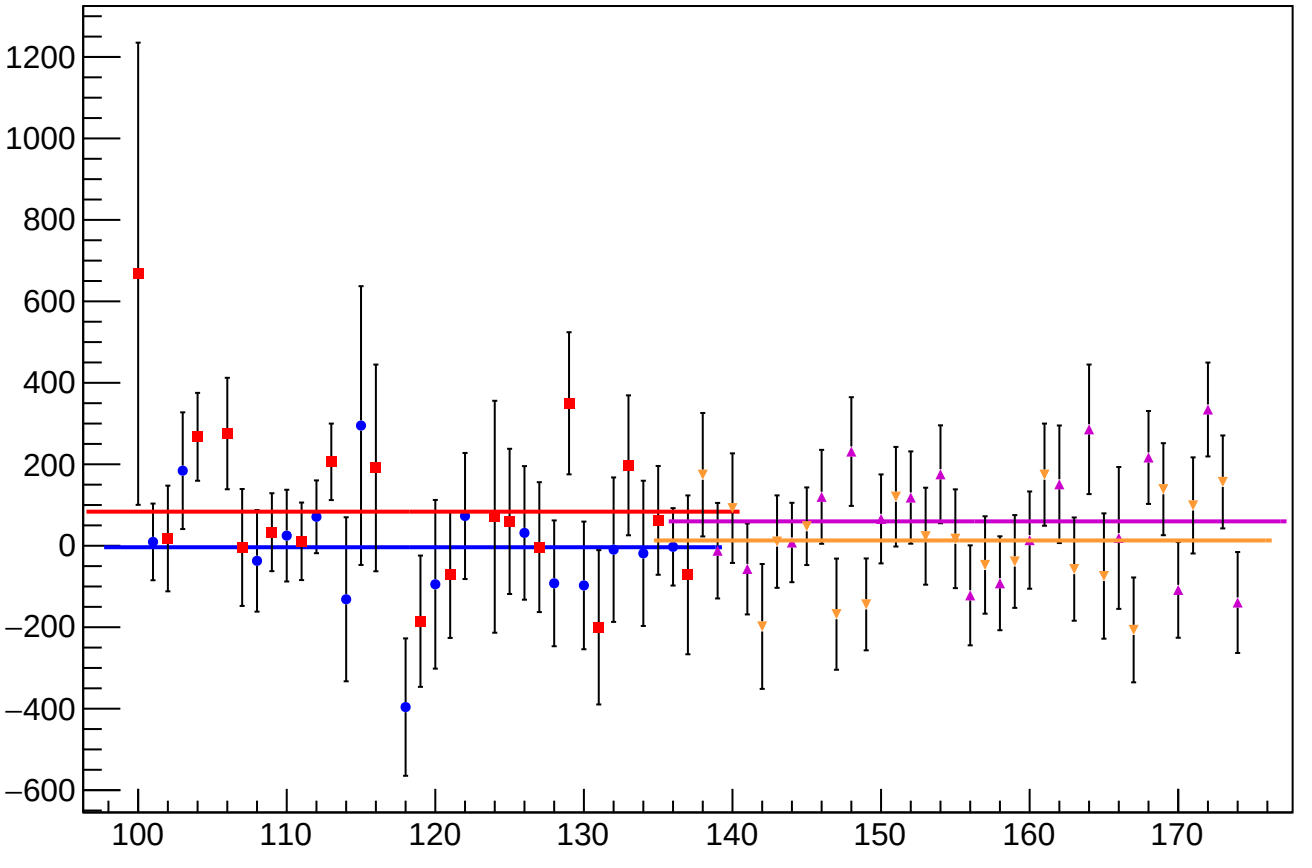
Left: 684.225+/-0.089 χ^2/NDF: 1008258.0/36

Right: 627.489+/-0.125 χ^2/NDF: 3984572.9/34

In: 672.525+/-0.104 χ^2/NDF:2325274.5/33

Out: 657.839+/-0.102 χ^2/NDF:2793723.0/37

All: 664.987+/-0.073 χ^2/NDF: 5129182.3/71



Right In: -3.633+/-34.152 χ^2/NDF: 10.3/15

Left Out: 13.043+/-28.068 χ^2/NDF:17.0/18

Right Out: 83.676+/-32.633 χ^2/NDF: 19.1/18

Left In: 59.877+/-28.369 χ^2/NDF:23.6/17

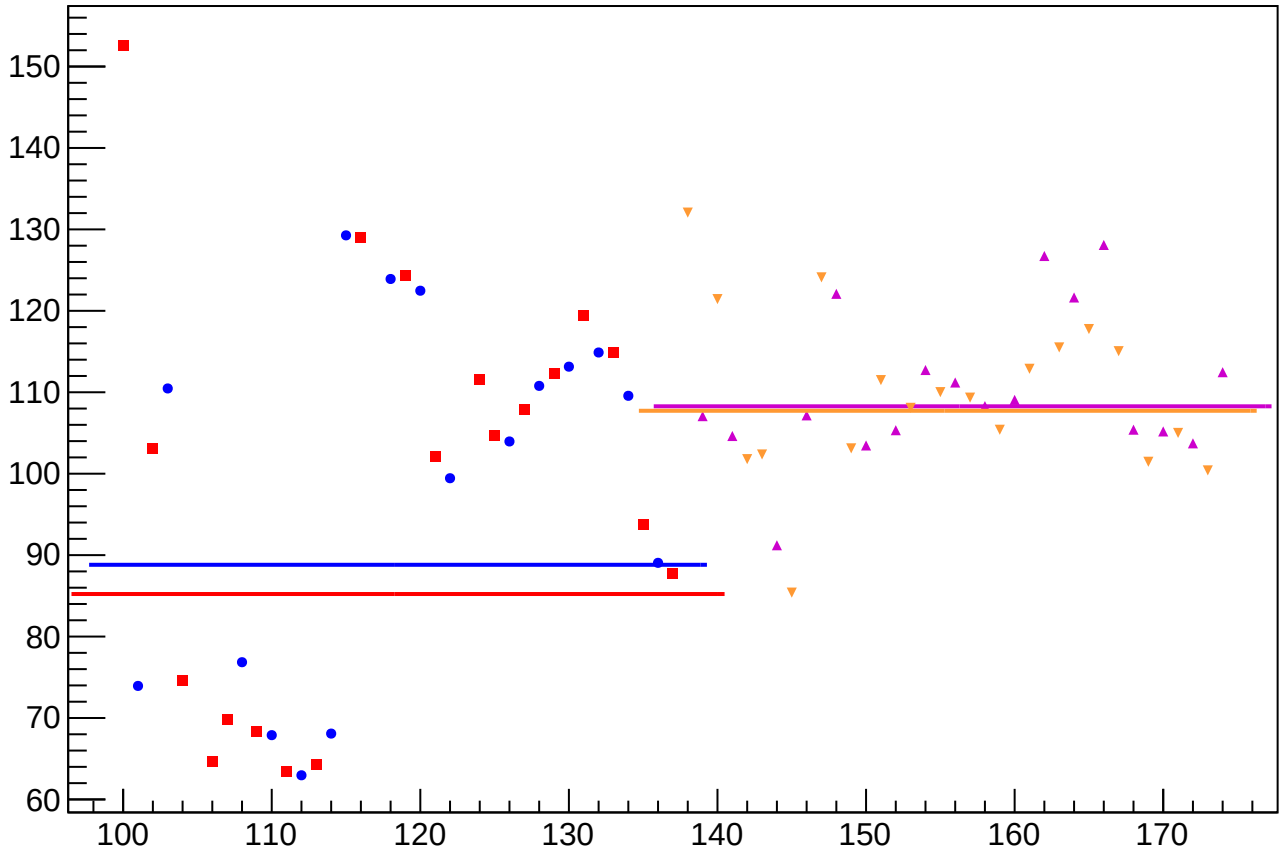
Left: 36.211+/-19.953 χ^2/NDF: 42.0/36

Right: 42.007+/-23.594 χ^2/NDF: 32.8/34

In: 33.947+/-21.822 χ^2/NDF:36.0/33

Out: 43.078+/-21.280 χ^2/NDF:38.8/37

All: 38.628+/-15.235 χ^2/NDF: 74.9/71



Right In: 88.813+/-0.024 χ^2/NDF: 724609.7/15

Left Out: 107.727+/-0.020 χ^2/NDF:266986.4/18

Right Out: 85.225+/-0.023 χ^2/NDF: 884073.3/18

Left In: 108.276+/-0.020 χ^2/NDF:175233.2/17

Left: 107.999+/-0.014 χ^2/NDF: 442597.4/36

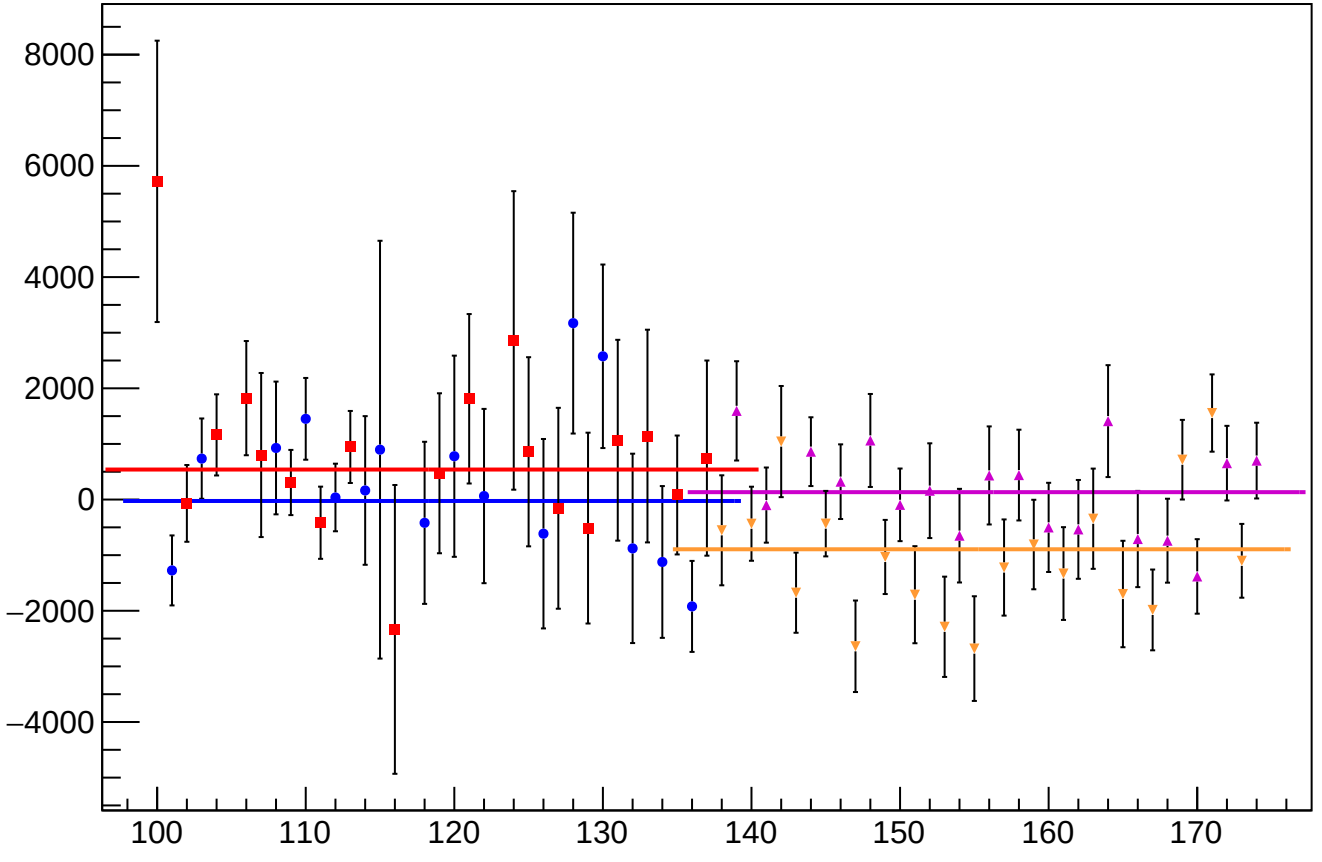
Right: 86.937+/-0.017 χ^2/NDF: 1620226.9/34

In: 100.330+/-0.015 χ^2/NDF:1284165.5/33

Out: 98.158+/-0.015 χ^2/NDF:1697679.5/37

All: 99.217+/-0.011 χ^2/NDF: 2991992.9/71

asym_sam_1548_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -25.770+/-259.401 χ^2/NDF: 21.6/15

Left Out: -894.159+/-178.685 χ^2/NDF:38.9/18

Right Out: 539.635+/-241.238 χ^2/NDF: 13.6/18

Left In: 132.851+/-179.198 χ^2/NDF:18.2/17

Left: -382.126+/-126.531 χ^2/NDF: 73.6/36

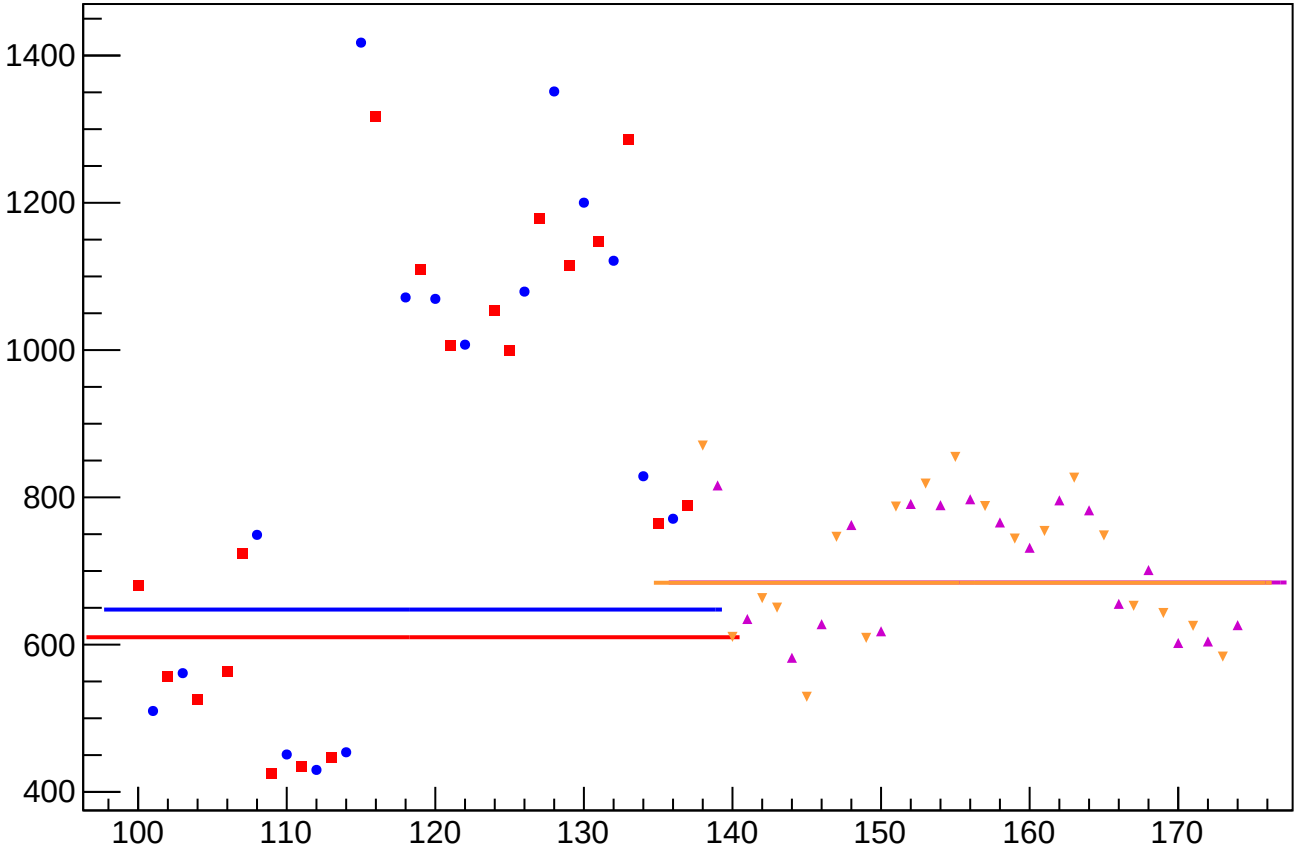
Right: 277.418+/-176.653 χ^2/NDF: 37.7/34

In: 81.608+/-147.438 χ^2/NDF:40.1/33

Out: -386.207+/-143.587 χ^2/NDF:75.3/37

All: -158.490+/-102.866 χ^2/NDF: 120.6/71

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 647.640+/-0.183 χ^2/NDF: 1887820.6/15

Left Out: 684.051+/-0.126 χ^2/NDF:597984.7/18

Right Out: 610.060+/-0.171 χ^2/NDF: 2074251.1/18

Left In: 684.400+/-0.127 χ^2/NDF:410267.8/17

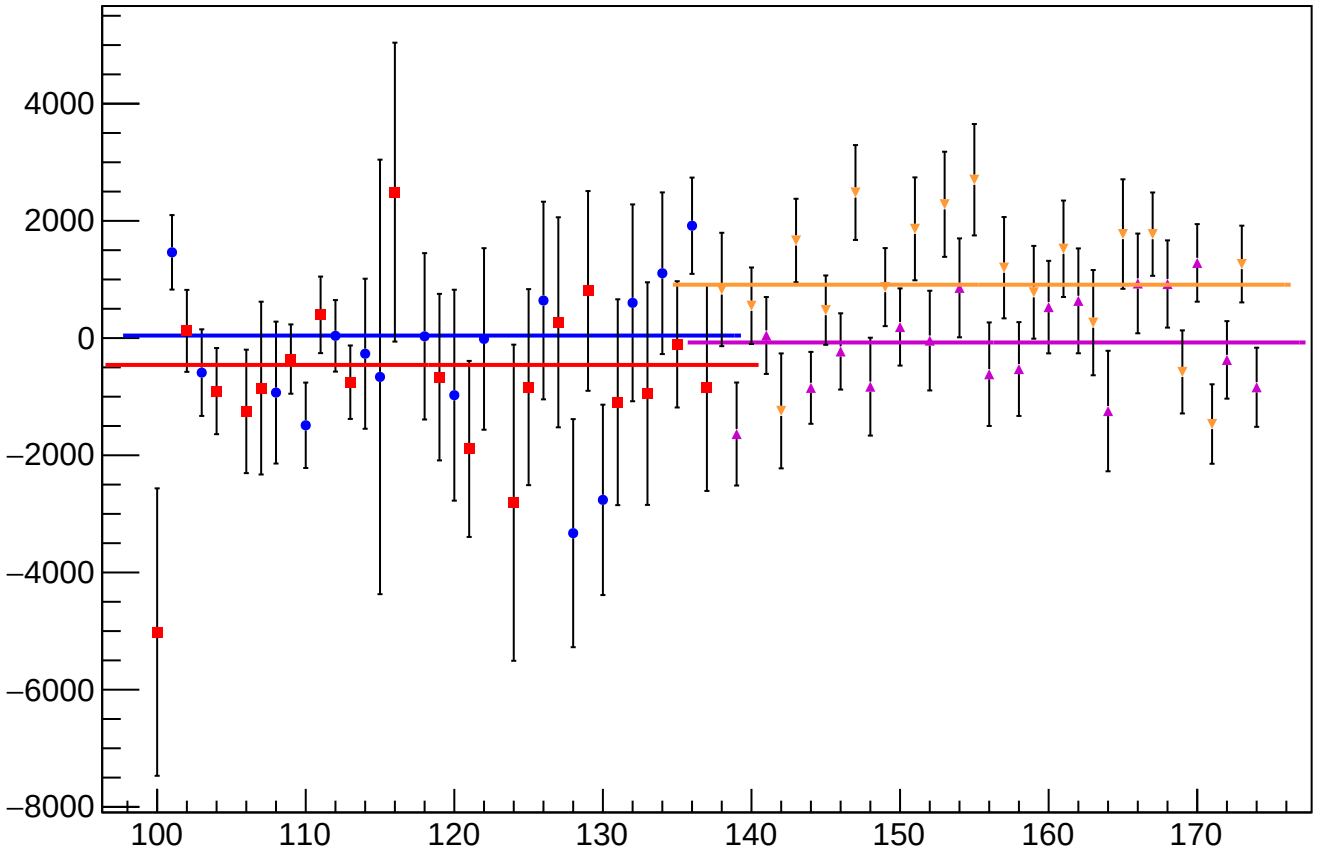
Left: 684.225+/-0.089 χ^2/NDF: 1008256.3/36

Right: 627.488+/-0.125 χ^2/NDF: 3984580.5/34

In: 672.524+/-0.104 χ^2/NDF:2325277.3/33

Out: 657.838+/-0.102 χ^2/NDF:2793727.5/37

All: 664.987+/-0.073 χ^2/NDF: 5129189.6/71



Right In: 43.152+/-259.796 χ^2/NDF: 23.2/15

Left Out: 910.554+/-176.817 χ^2/NDF:38.2/18

Right Out: -458.111+/-241.118 χ^2/NDF: 11.3/18

Left In: -74.871+/-177.479 χ^2/NDF:19.1/17

Left: 419.681+/-125.262 χ^2/NDF: 72.8/36

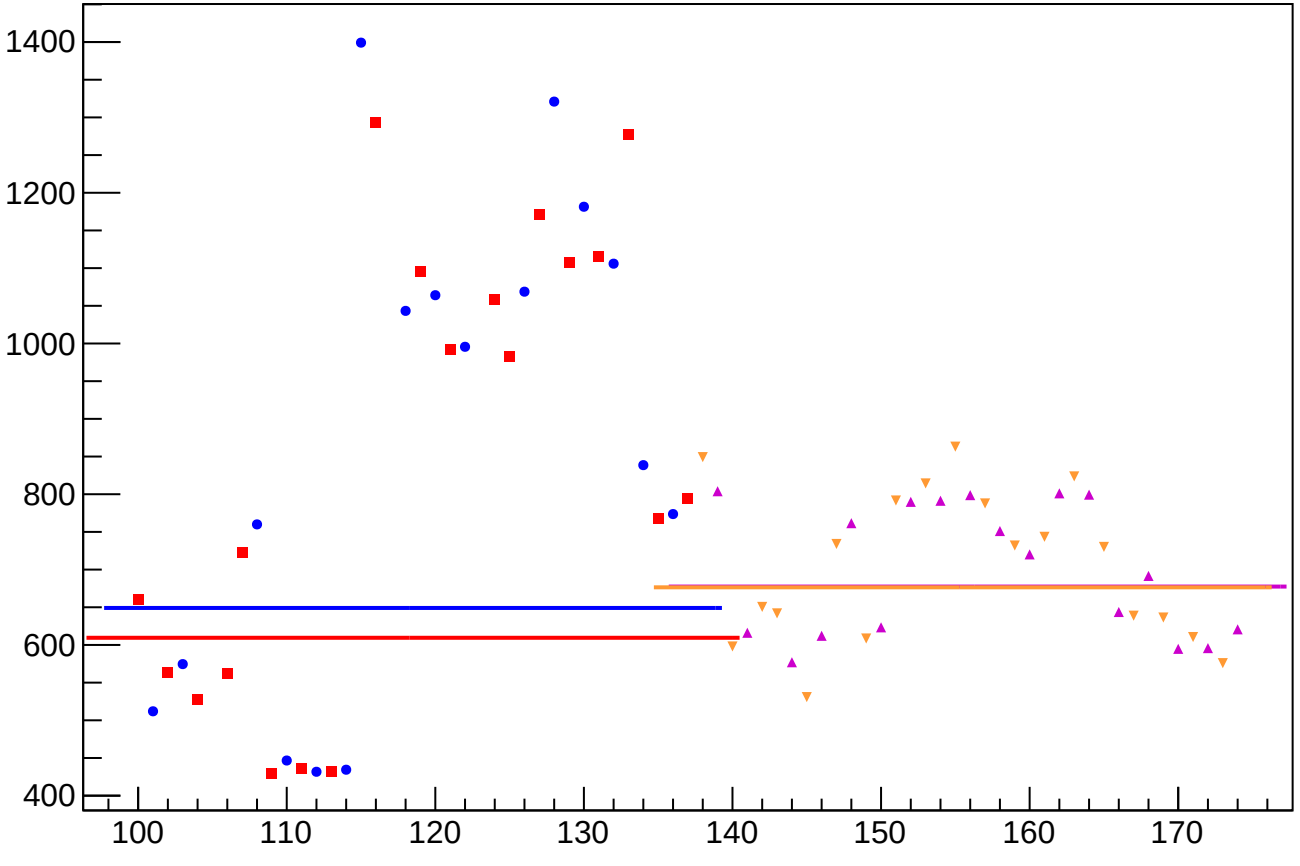
Right: -226.145+/-176.731 χ^2/NDF: 36.5/34

In: -37.317+/-146.547 χ^2/NDF:42.5/33

Out: 431.924+/-142.587 χ^2/NDF:70.4/37

All: 203.730+/-102.196 χ^2/NDF: 118.1/71

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 649.091+/-0.184 χ^2/NDF: 1845815.6/15

Left Out: 676.452+/-0.125 χ^2/NDF:604484.8/18

Right Out: 609.516+/-0.170 χ^2/NDF: 2043591.1/18

Left In: 677.460+/-0.125 χ^2/NDF:444209.4/17

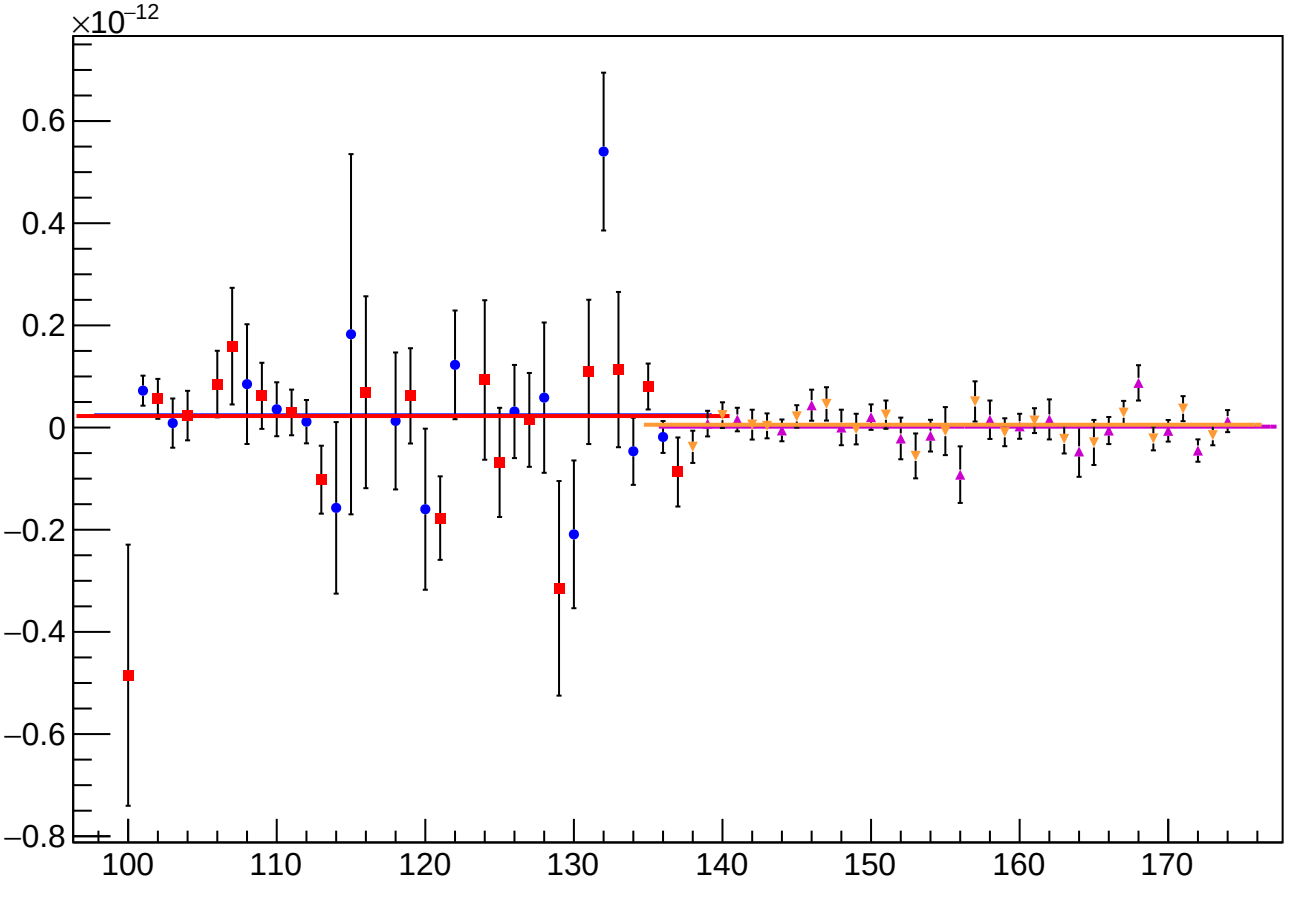
Left: 676.954+/-0.089 χ^2/NDF: 1048726.6/36

Right: 627.830+/-0.125 χ^2/NDF: 3914338.8/34

In: 668.433+/-0.104 χ^2/NDF:2306284.7/33

Out: 653.044+/-0.101 χ^2/NDF:2748306.6/37

All: 660.528+/-0.072 χ^2/NDF: 5065919.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:15.5/18

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/18

Left In: 0.000+/-0.000 χ^2/NDF:18.9/17

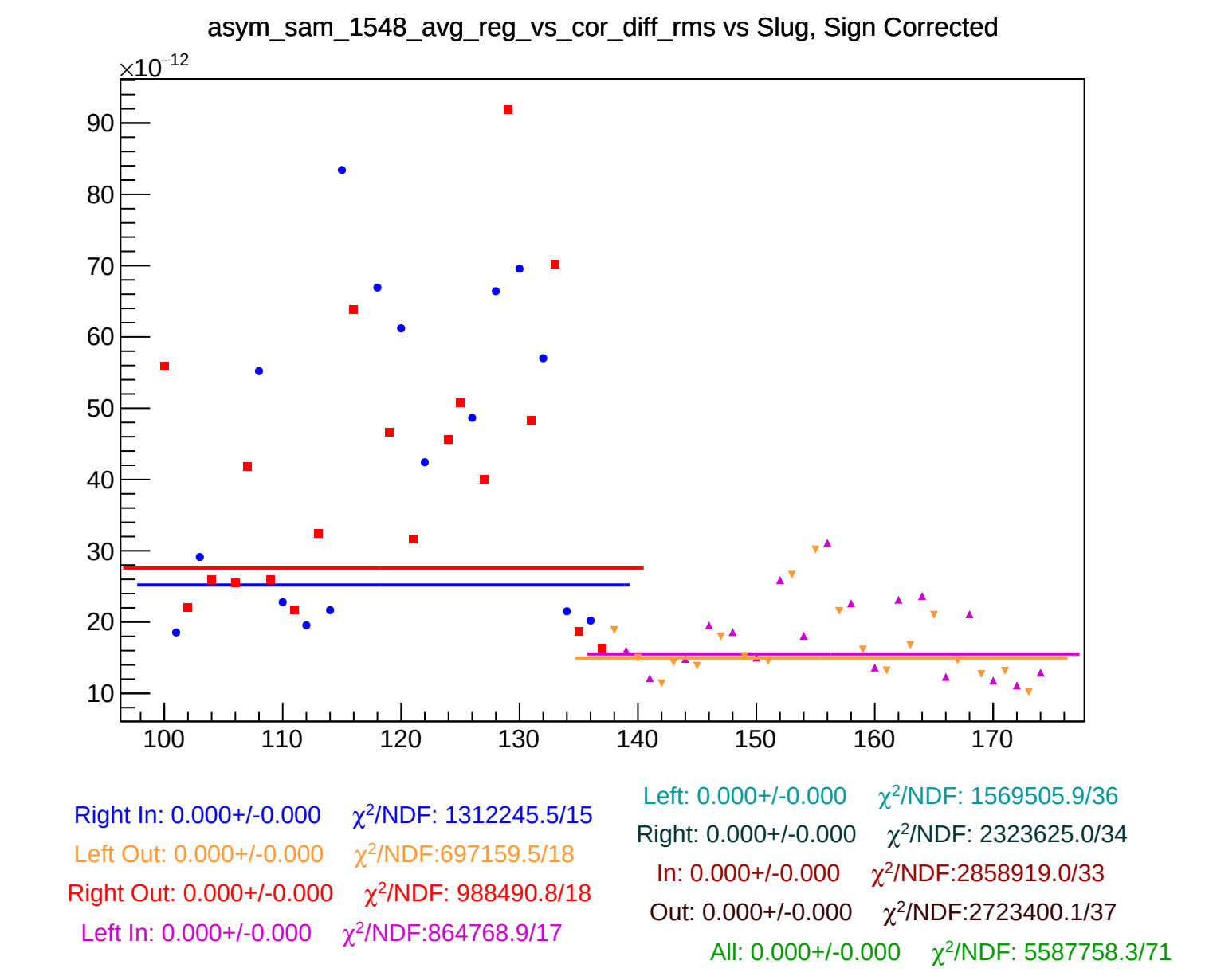
Left: 0.000+/-0.000 χ^2/NDF: 34.6/36

Right: 0.000+/-0.000 χ^2/NDF: 49.3/34

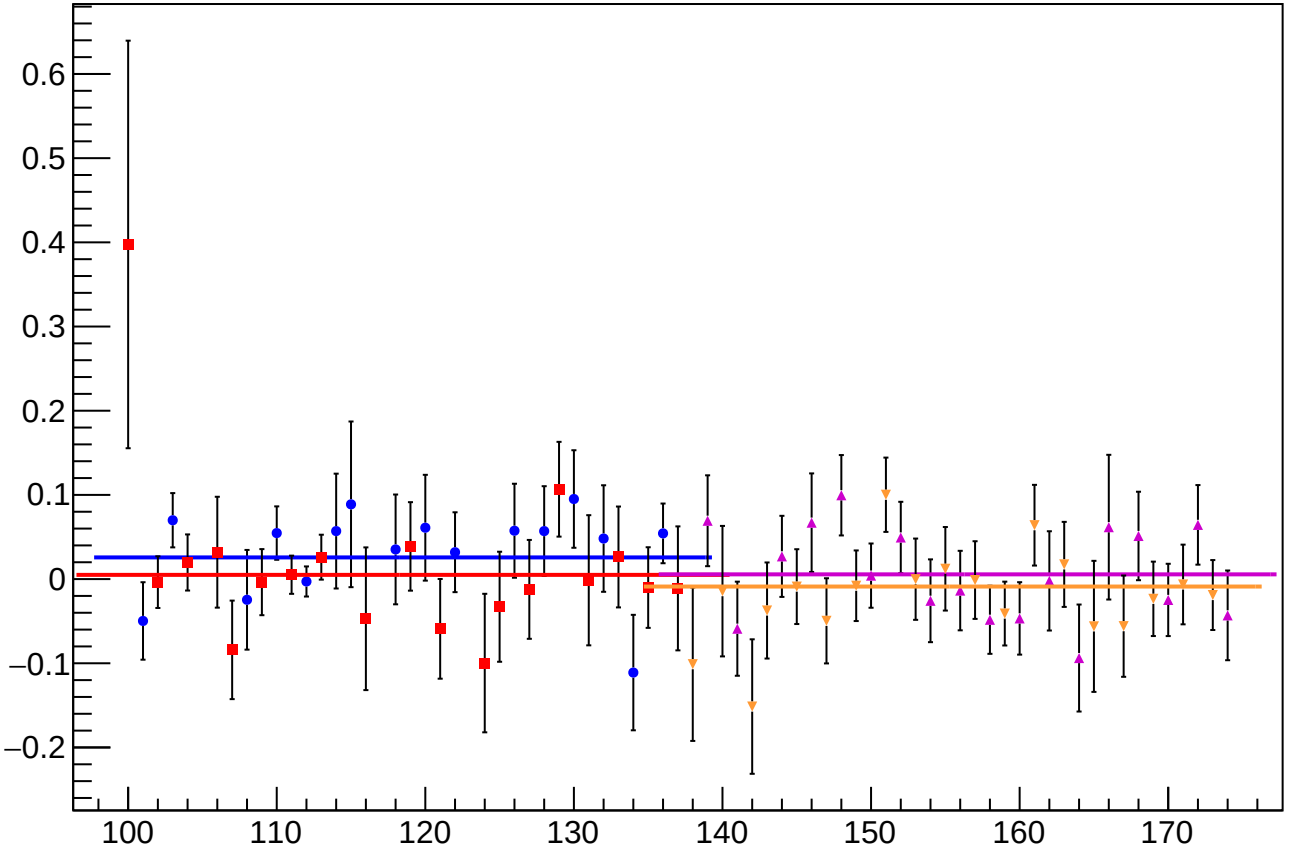
In: 0.000+/-0.000 χ^2/NDF:44.4/33

Out: 0.000+/-0.000 χ^2/NDF:42.2/37

All: 0.000+/-0.000 χ^2/NDF: 86.6/71


asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1312245.5/15
Left Out: 0.000+/-0.000 χ²/NDF:697159.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 988490.8/18
Left In: 0.000+/-0.000 χ²/NDF:864768.9/17
Left: 0.000+/-0.000 χ²/NDF: 1569505.9/36
Right: 0.000+/-0.000 χ²/NDF: 2323625.0/34
In: 0.000+/-0.000 χ²/NDF:2858919.0/33
Out: 0.000+/-0.000 χ²/NDF:2723400.1/37
All: 0.000+/-0.000 χ²/NDF: 5587758.3/71

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

Left: -0.002+/-0.008 χ^2/NDF: 36.0/36

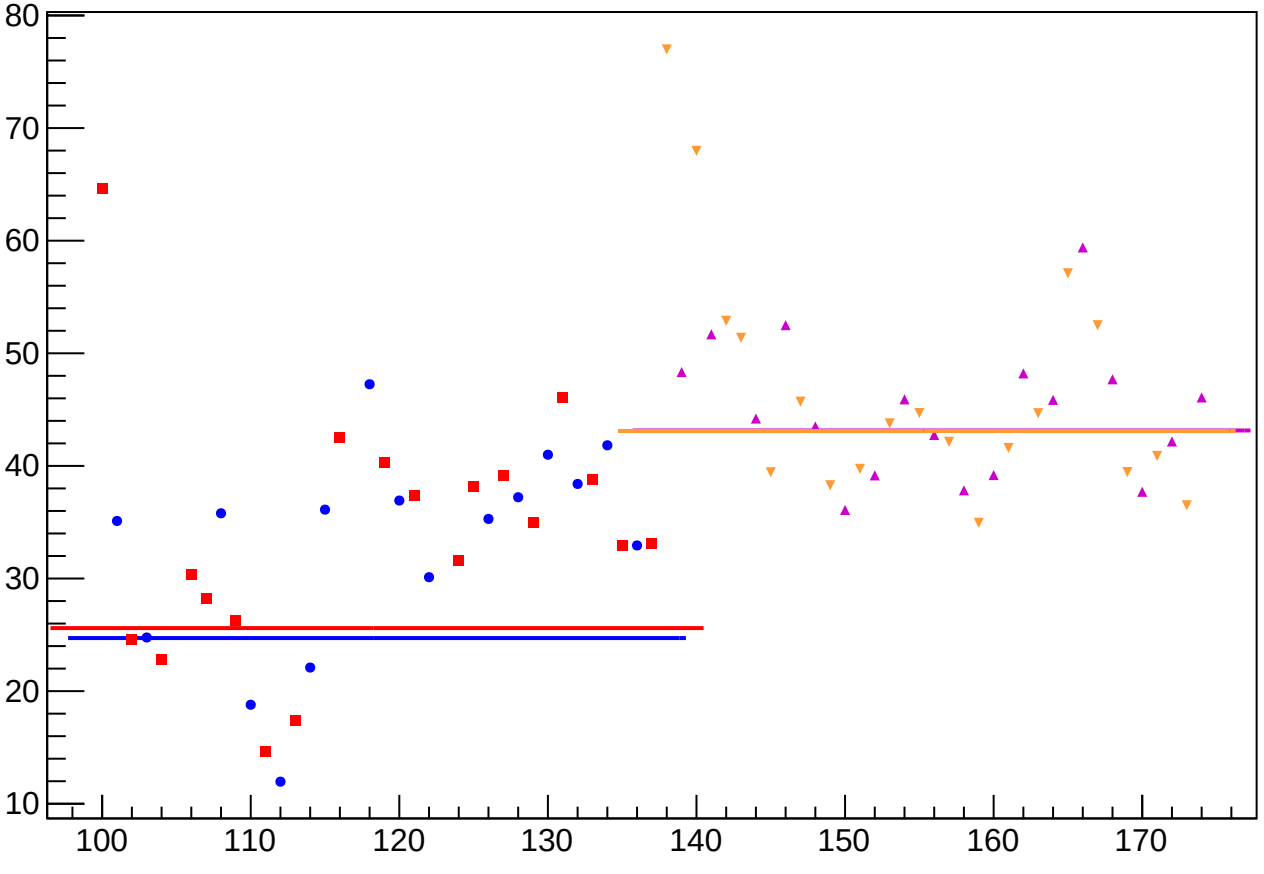
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 70.5/71

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.099+/-0.008 χ^2/NDF:893298.8/18

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.146+/-0.008 χ^2/NDF:405403.8/17

Left: 43.123+/-0.006 χ^2/NDF: 1298719.3/36

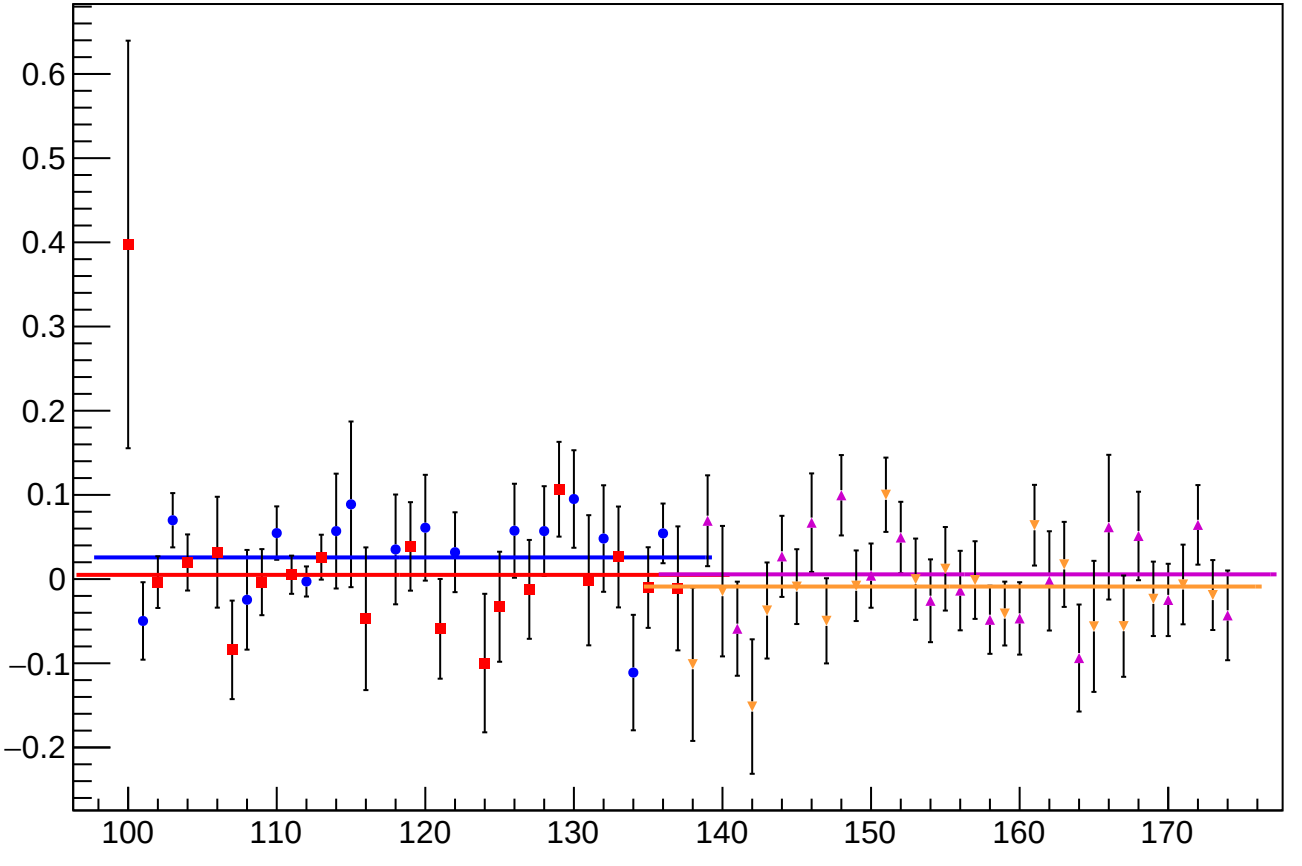
Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.904+/-0.005 χ^2/NDF:5516369.2/33

Out: 33.415+/-0.005 χ^2/NDF:5053954.5/37

All: 33.160+/-0.004 χ^2/NDF: 10574705.7/71

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

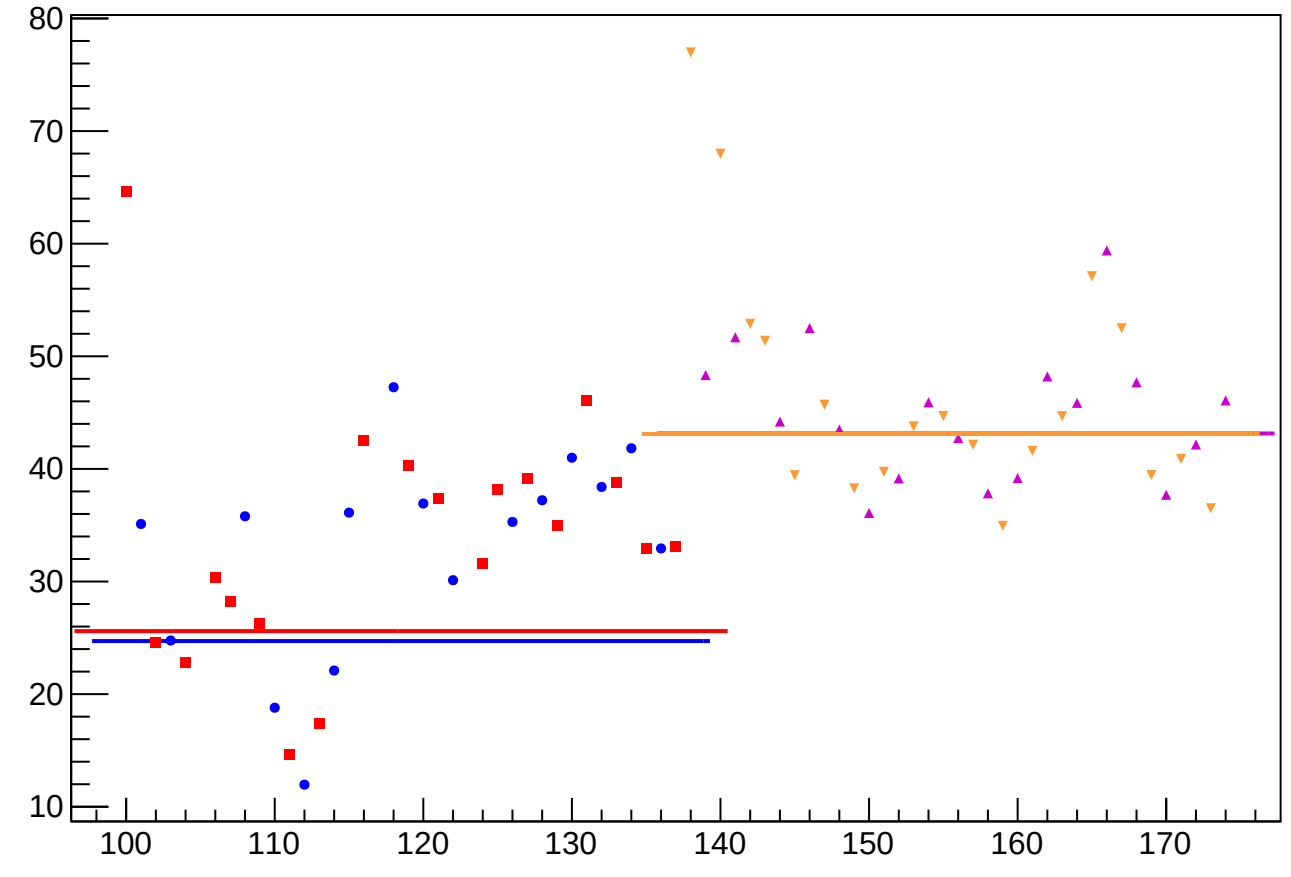
Left: -0.002+/-0.008 χ^2/NDF: 36.0/36

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 70.5/71



Right In: 24.712+/-0.007 χ^2/NDF: 2295174.7/15

Left Out: 43.099+/-0.008 χ^2/NDF:893298.8/18

Right Out: 25.597+/-0.007 χ^2/NDF: 1605235.8/18

Left In: 43.146+/-0.008 χ^2/NDF:405403.8/17

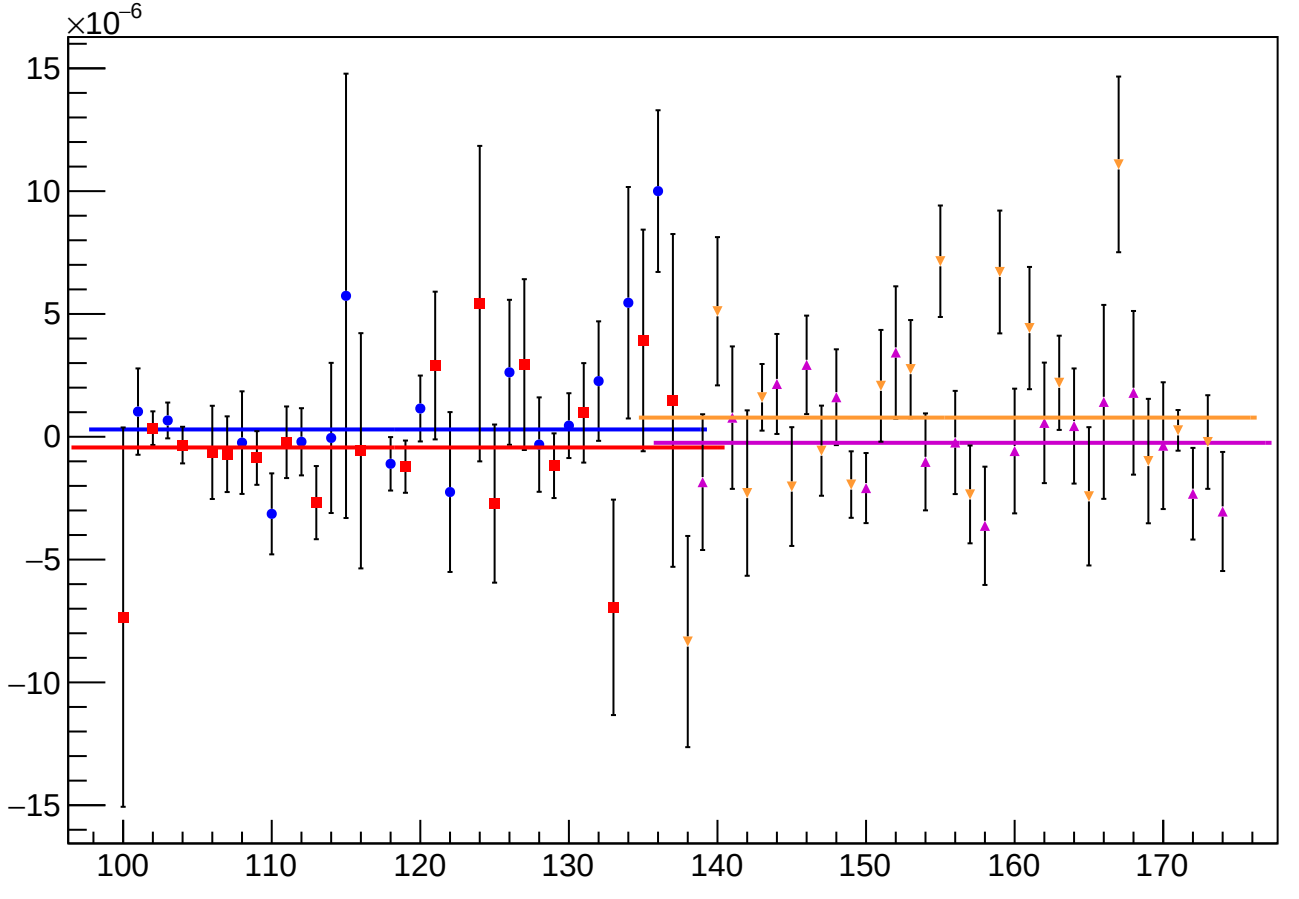
Left: 43.123+/-0.006 χ^2/NDF: 1298719.3/36

Right: 25.155+/-0.005 χ^2/NDF: 3907717.2/34

In: 32.904+/-0.005 χ^2/NDF:5516369.2/33

Out: 33.415+/-0.005 χ^2/NDF:5053954.5/37

All: 33.160+/-0.004 χ^2/NDF: 10574705.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:44.4/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.7/18

Left In: -0.000+/-0.000 χ^2/NDF:14.2/17

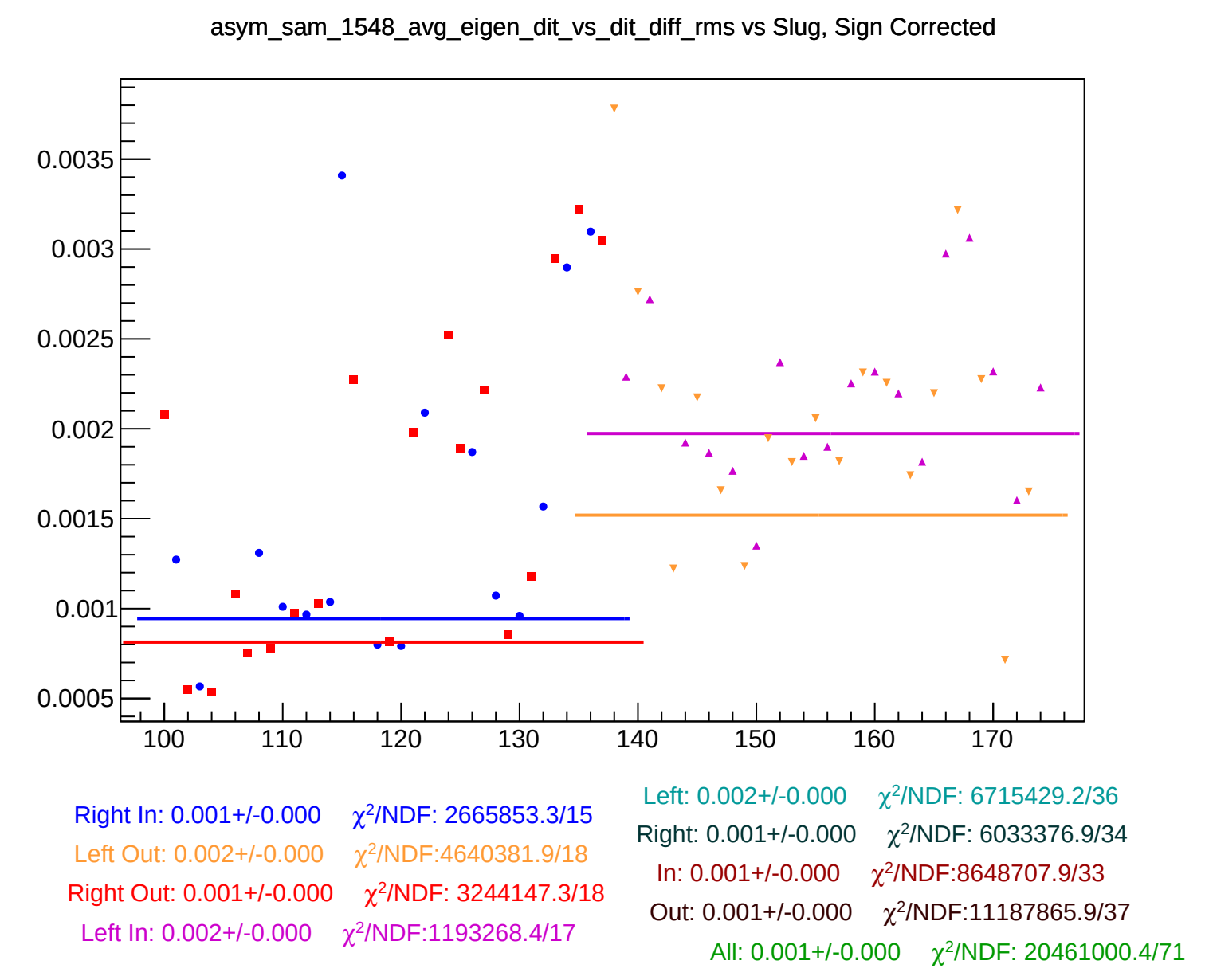
Left: 0.000+/-0.000 χ^2/NDF: 60.9/36

Right: -0.000+/-0.000 χ^2/NDF: 33.9/34

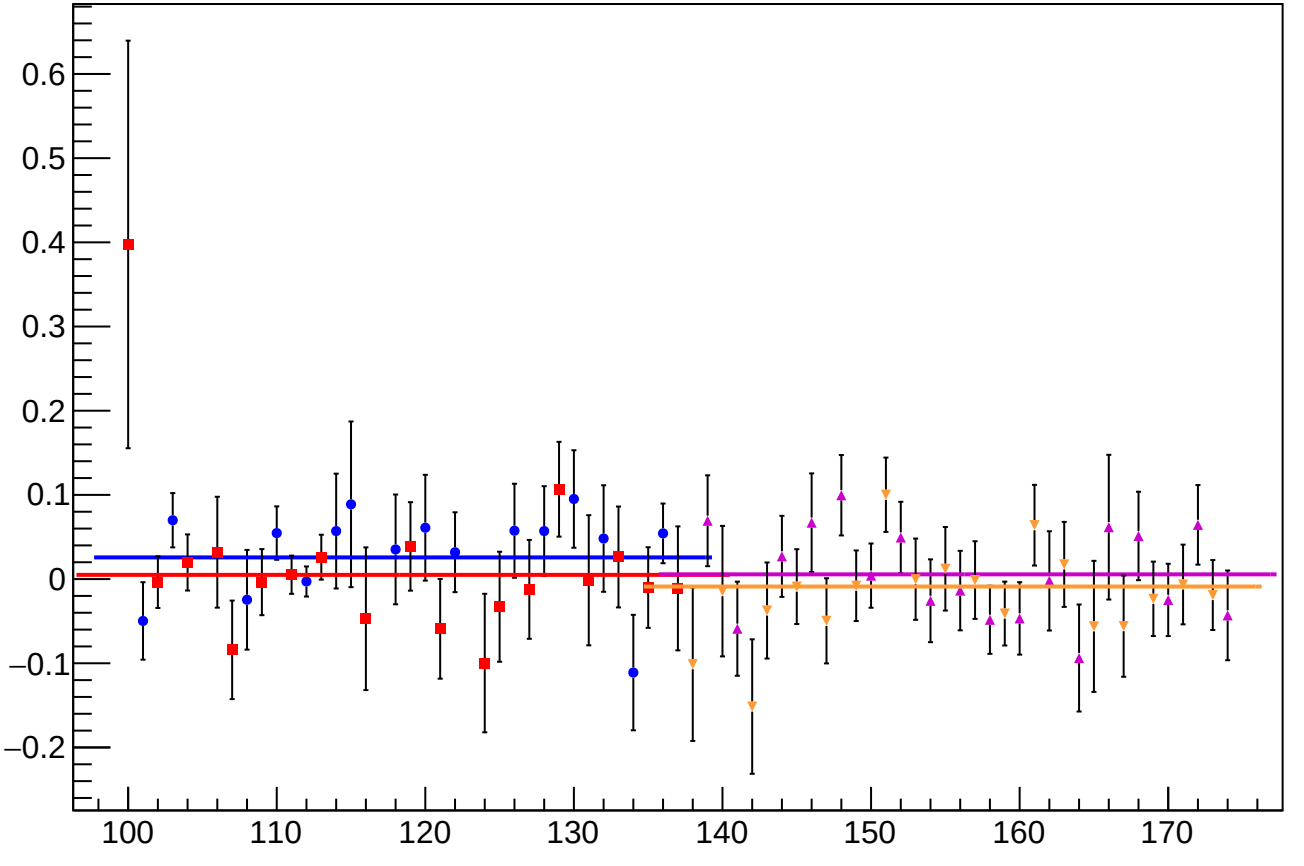
In: 0.000+/-0.000 χ^2/NDF:34.2/33

Out: 0.000+/-0.000 χ^2/NDF:62.0/37

All: 0.000+/-0.000 χ^2/NDF: 96.2/71


asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 2665853.3/15
Left Out: 0.002+/-0.000 χ²/NDF:4640381.9/18
Right Out: 0.001+/-0.000 χ²/NDF: 3244147.3/18
Left In: 0.002+/-0.000 χ²/NDF:1193268.4/17
Left: 0.002+/-0.000 χ²/NDF: 6715429.2/36
Right: 0.001+/-0.000 χ²/NDF: 6033376.9/34
In: 0.001+/-0.000 χ²/NDF:8648707.9/33
Out: 0.001+/-0.000 χ²/NDF:11187865.9/37
All: 0.001+/-0.000 χ²/NDF: 20461000.4/71

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

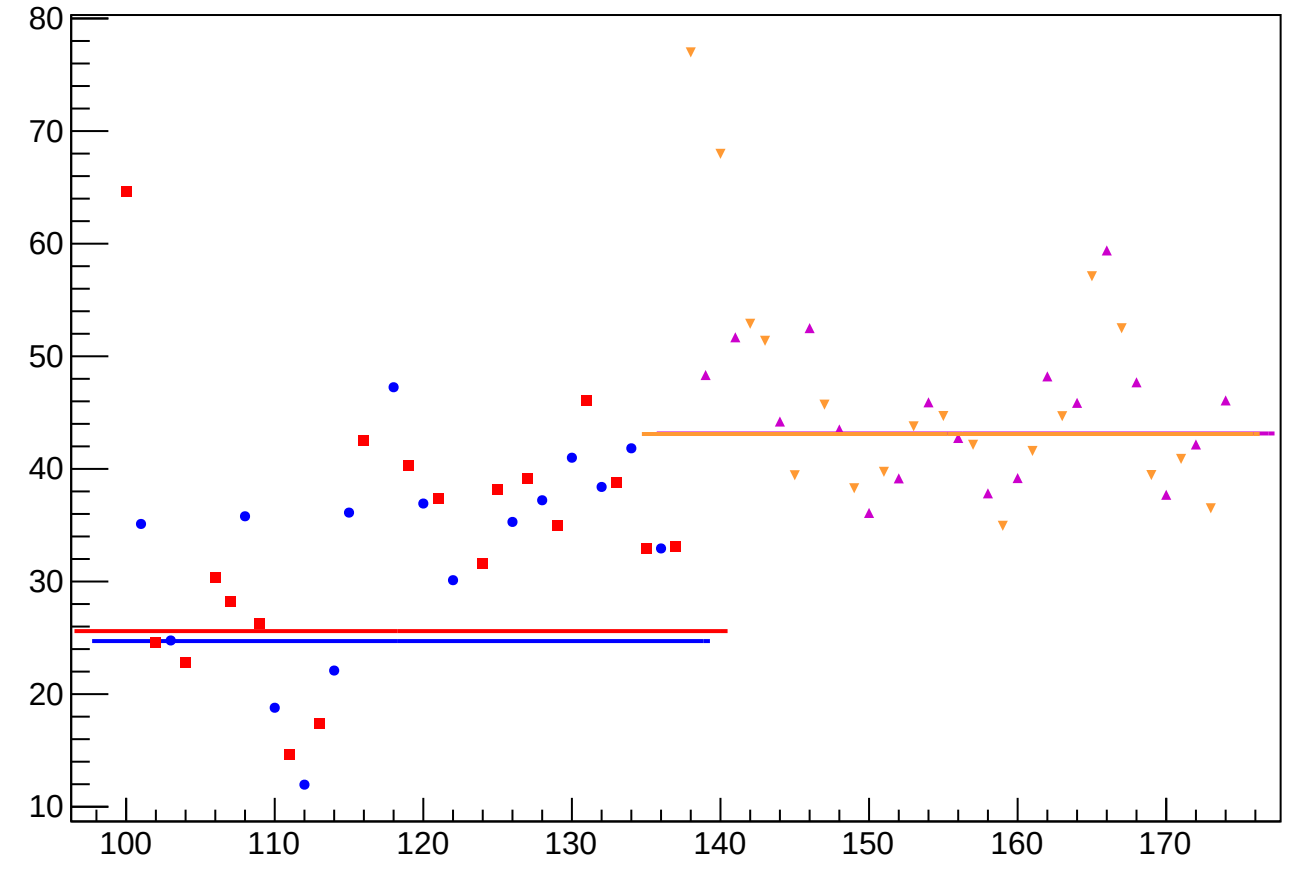
Left: -0.002+/-0.008 χ^2/NDF: 36.0/36

Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 70.5/71



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.100+/-0.008 χ^2/NDF:893282.9/18

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.147+/-0.008 χ^2/NDF:405400.8/17

Left: 43.123+/-0.006 χ^2/NDF: 1298700.4/36

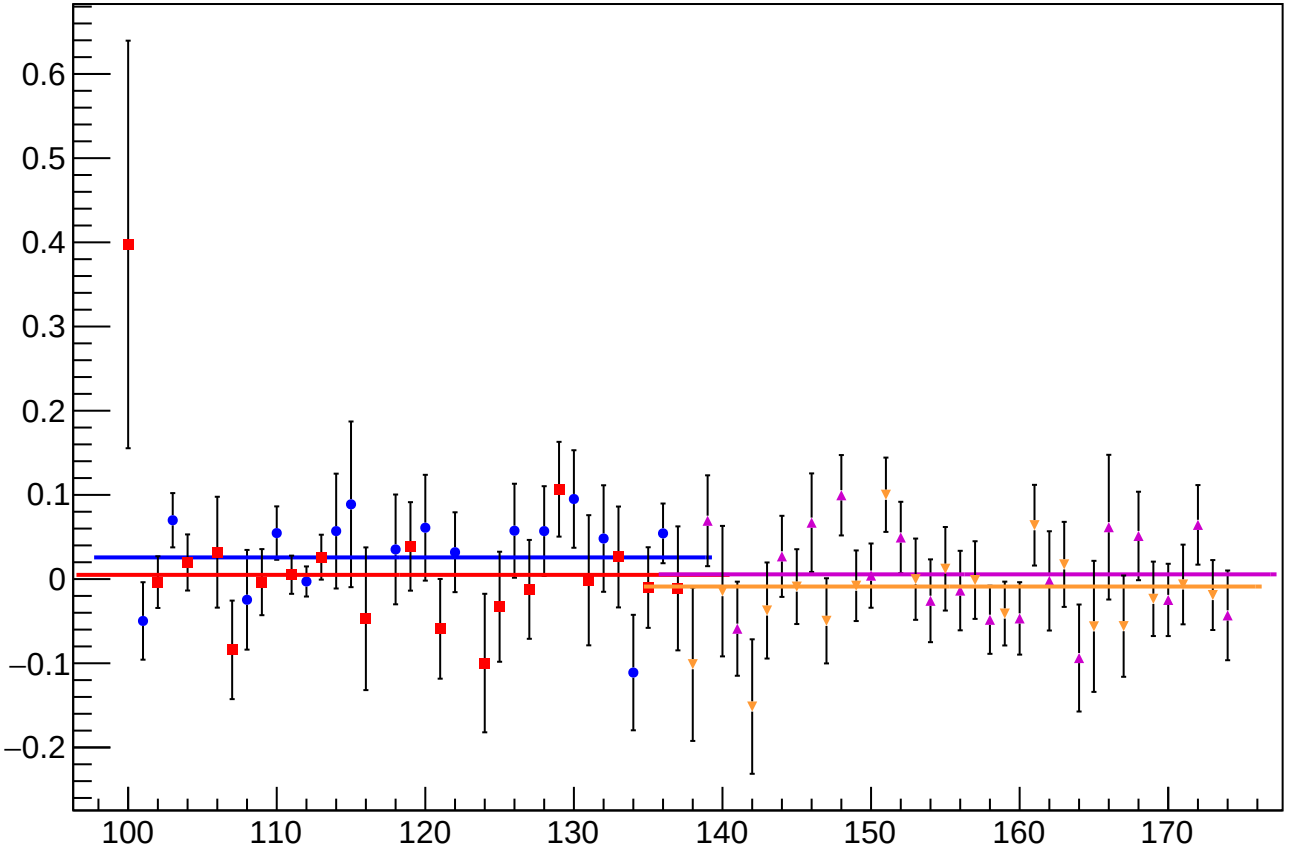
Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.904+/-0.005 χ^2/NDF:5516849.4/33

Out: 33.415+/-0.005 χ^2/NDF:5054321.3/37

All: 33.160+/-0.004 χ^2/NDF: 10575555.0/71

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.010 χ^2/NDF: 16.5/15

Left Out: -0.009+/-0.012 χ^2/NDF:15.9/18

Right Out: 0.005+/-0.010 χ^2/NDF: 13.6/18

Left In: 0.006+/-0.012 χ^2/NDF:19.3/17

Left: -0.002+/-0.008 χ^2/NDF: 36.0/36

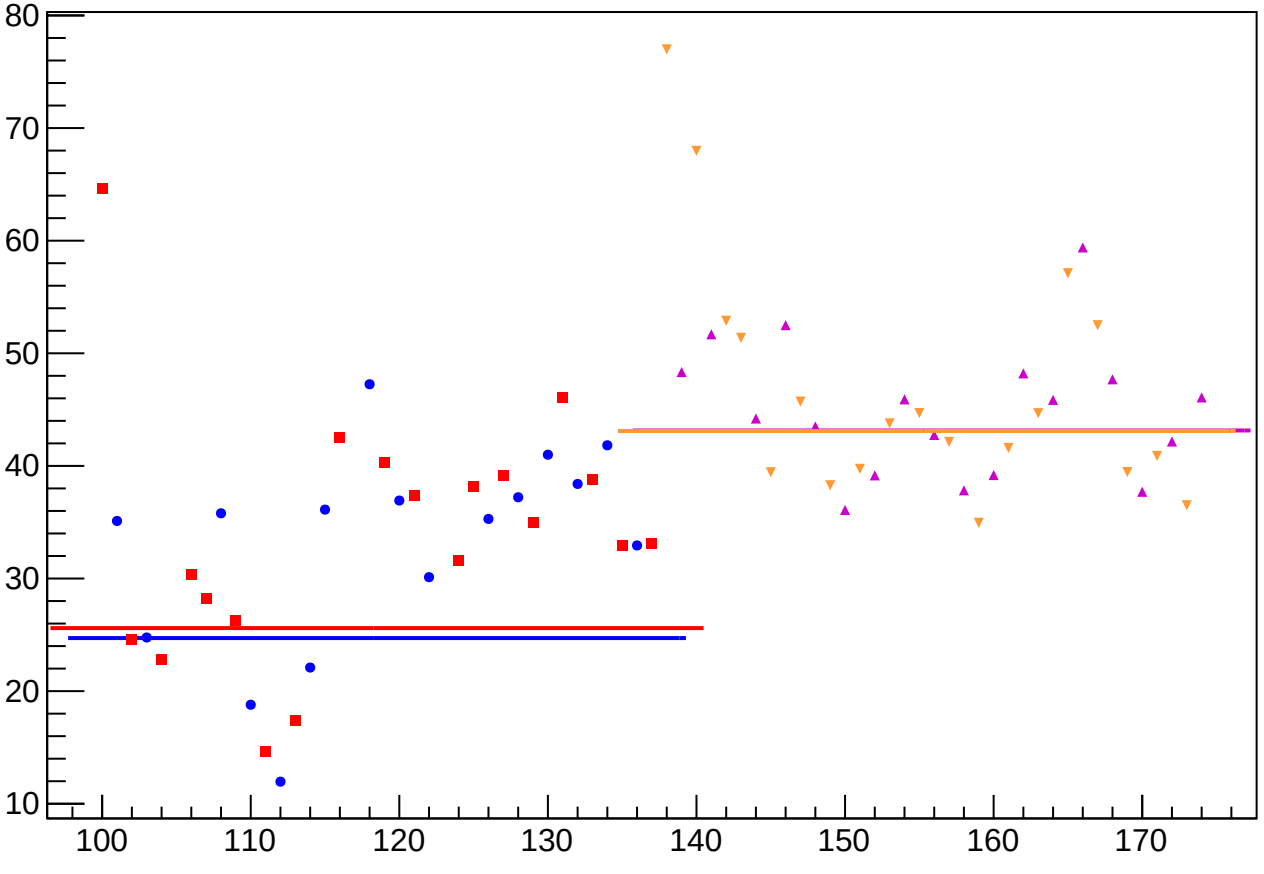
Right: 0.015+/-0.007 χ^2/NDF: 32.1/34

In: 0.017+/-0.008 χ^2/NDF:37.5/33

Out: -0.001+/-0.008 χ^2/NDF:30.3/37

All: 0.008+/-0.005 χ^2/NDF: 70.5/71

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 24.712+/-0.007 χ^2/NDF: 2295351.2/15

Left Out: 43.100+/-0.008 χ^2/NDF:893282.9/18

Right Out: 25.597+/-0.007 χ^2/NDF: 1605387.3/18

Left In: 43.147+/-0.008 χ^2/NDF:405400.8/17

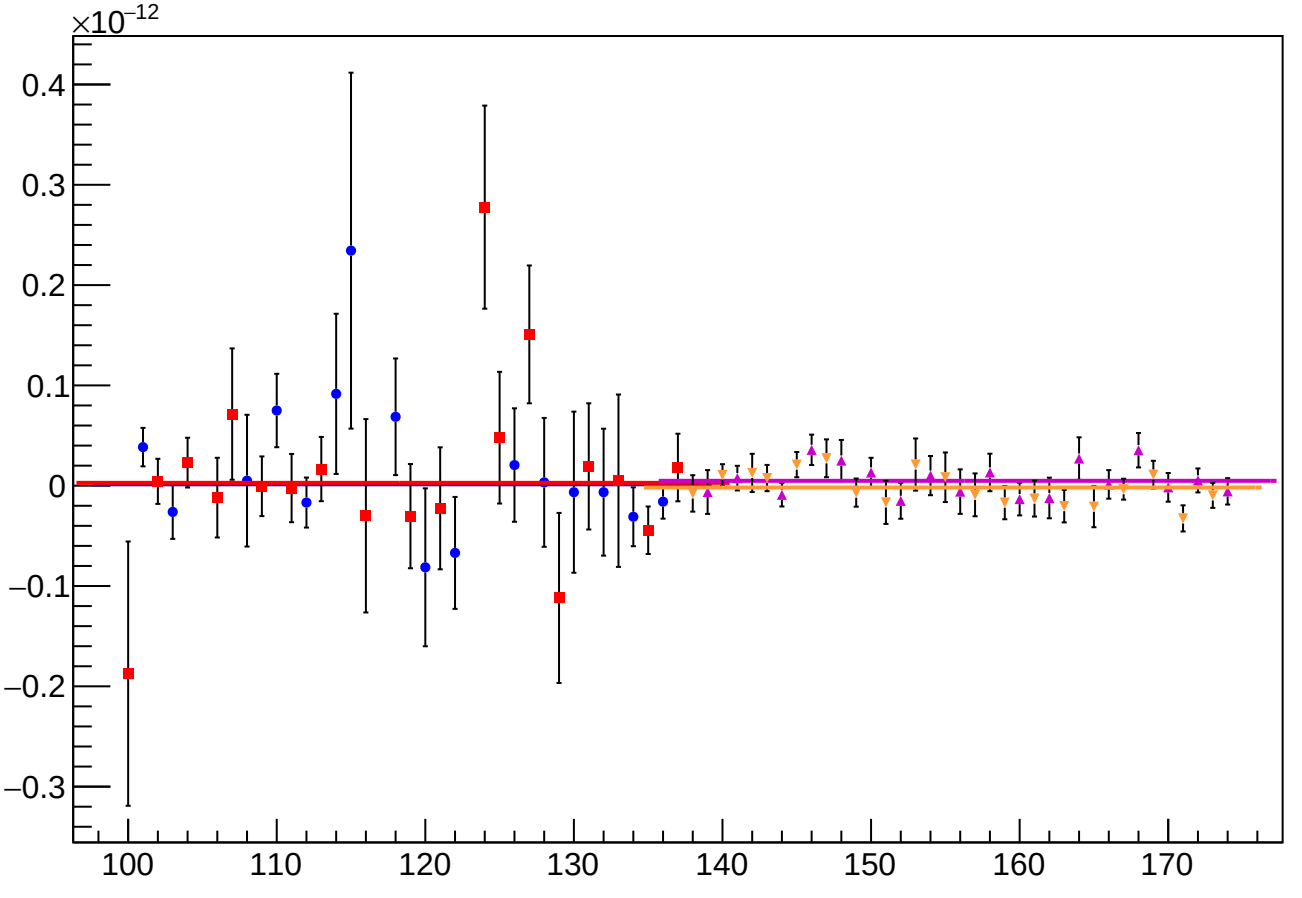
Left: 43.123+/-0.006 χ^2/NDF: 1298700.4/36

Right: 25.155+/-0.005 χ^2/NDF: 3908047.8/34

In: 32.904+/-0.005 χ^2/NDF:5516849.4/33

Out: 33.415+/-0.005 χ^2/NDF:5054321.3/37

All: 33.160+/-0.004 χ^2/NDF: 10575555.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 18.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:20.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/18

Left In: 0.000+/-0.000 χ^2/NDF:16.1/17

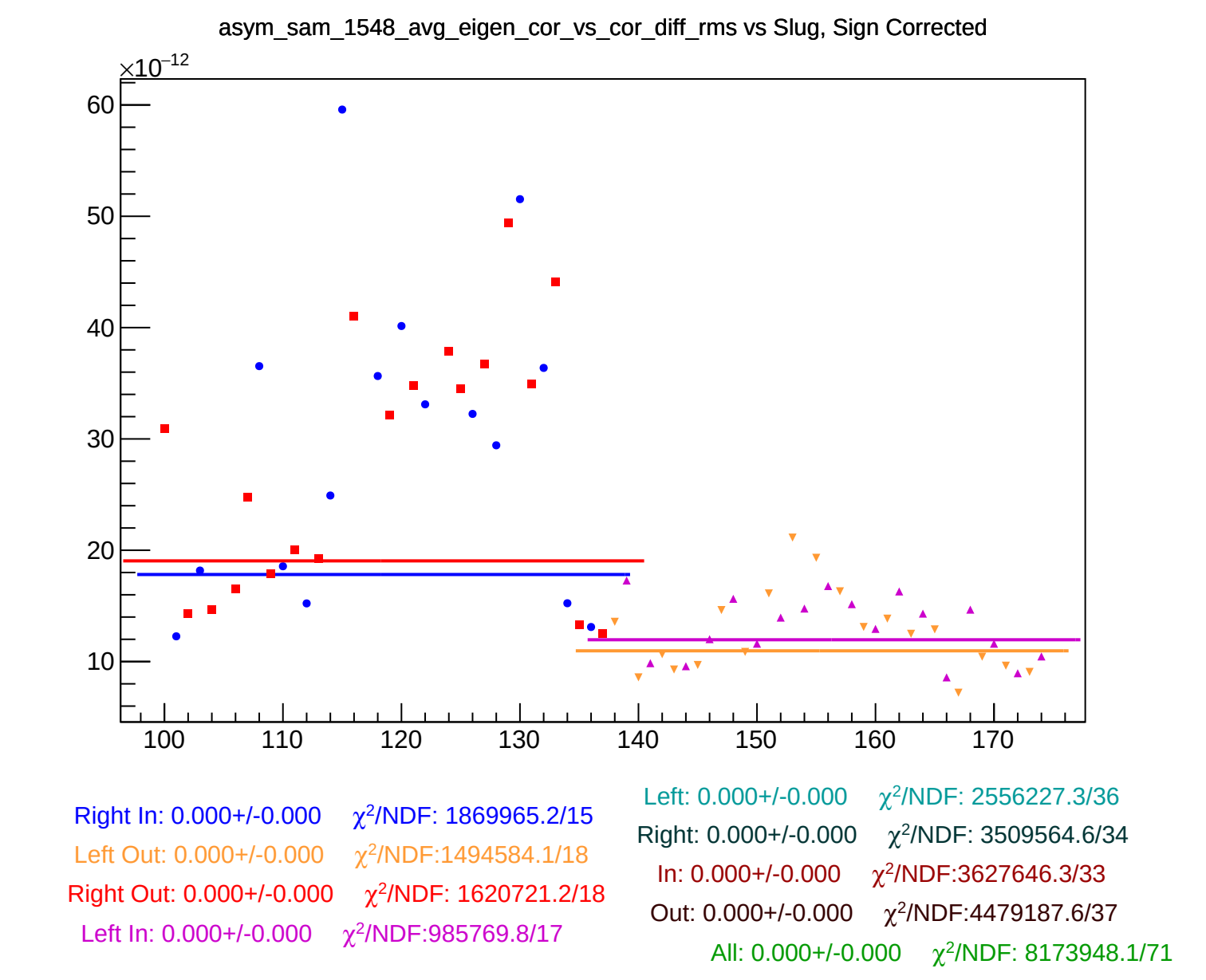
Left: 0.000+/-0.000 χ^2/NDF: 37.9/36

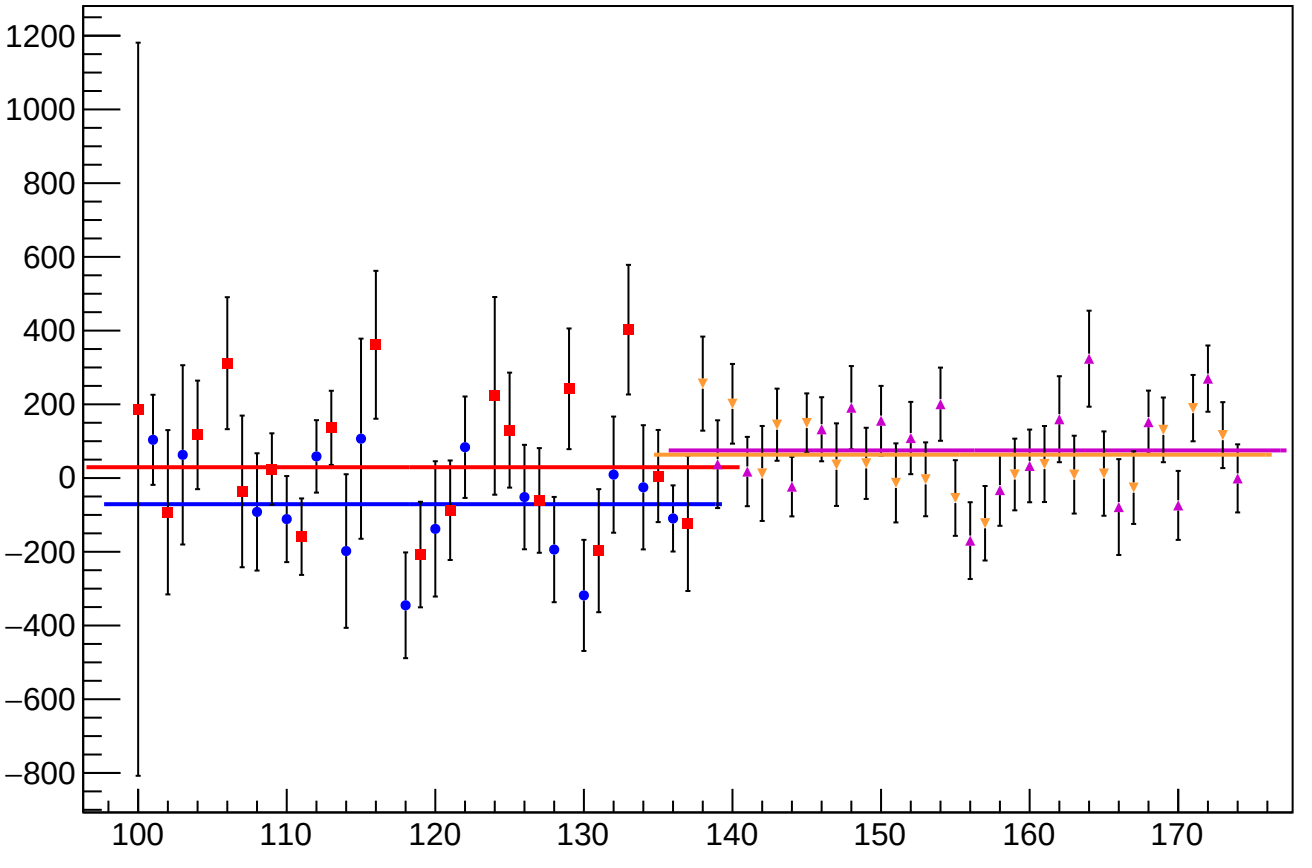
Right: 0.000+/-0.000 χ^2/NDF: 42.2/34

In: 0.000+/-0.000 χ^2/NDF:34.9/33

Out: -0.000+/-0.000 χ^2/NDF:43.8/37

All: 0.000+/-0.000 χ^2/NDF: 80.1/71


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1869965.2/15
Left Out: 0.000+/-0.000 χ²/NDF:1494584.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 1620721.2/18
Left In: 0.000+/-0.000 χ²/NDF:985769.8/17
Left: 0.000+/-0.000 χ²/NDF: 2556227.3/36
Right: 0.000+/-0.000 χ²/NDF: 3509564.6/34
In: 0.000+/-0.000 χ²/NDF:3627646.3/33
Out: 0.000+/-0.000 χ²/NDF:4479187.6/37
All: 0.000+/-0.000 χ²/NDF: 8173948.1/71



Right In: -70.892+/-35.122 χ^2/NDF: 14.1/15

Left Out: 63.387+/-23.062 χ^2/NDF:16.2/18

Right Out: 29.410+/-34.243 χ^2/NDF: 24.0/18

Left In: 74.964+/-23.248 χ^2/NDF:27.1/17

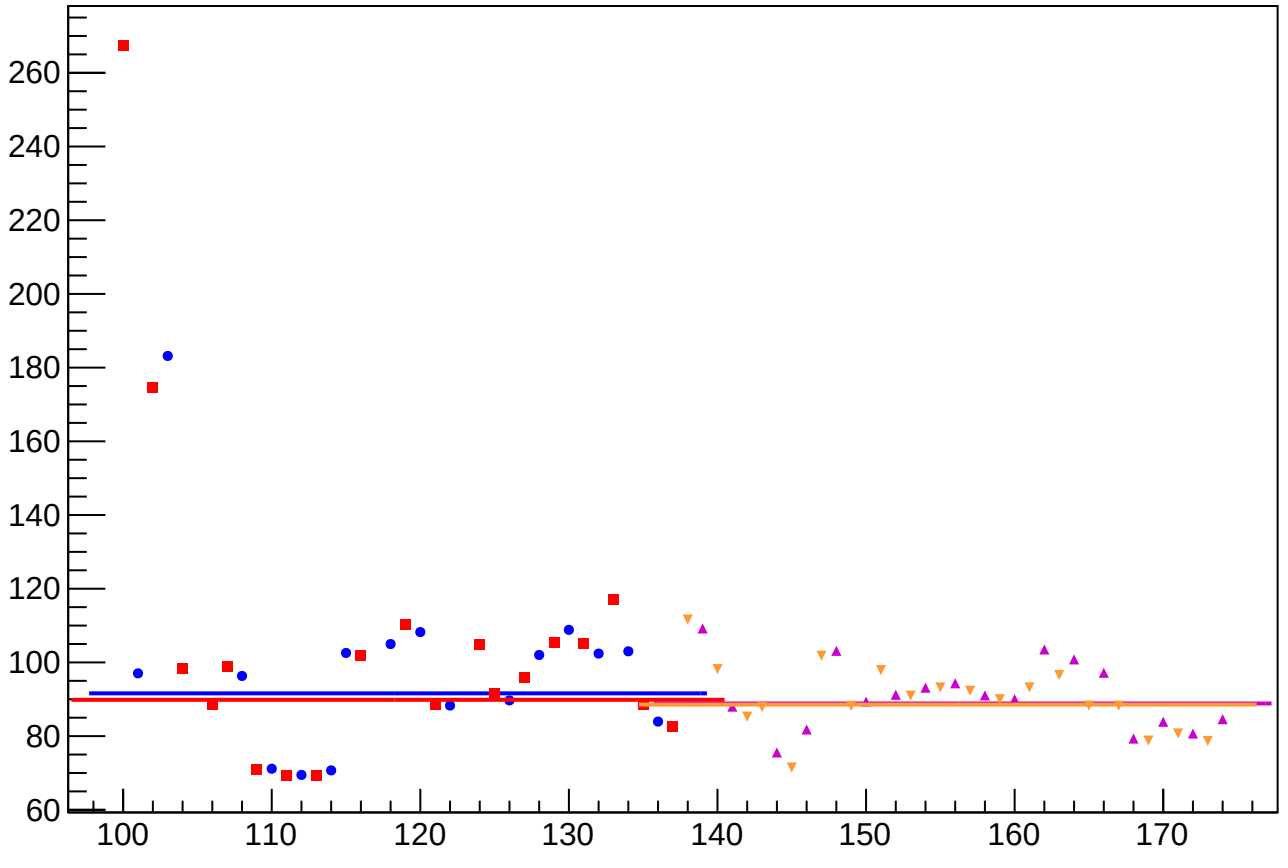
Left: 69.129+/-16.373 χ^2/NDF: 43.5/36

Right: -19.470+/-24.518 χ^2/NDF: 42.3/34

In: 30.527+/-19.386 χ^2/NDF:53.1/33

Out: 52.785+/-19.128 χ^2/NDF:40.9/37

All: 41.805+/-13.616 χ^2/NDF: 94.7/71



Right In: 91.608+/-0.025 χ^2/NDF: 580672.8/15

Left Out: 88.558+/-0.016 χ^2/NDF:304707.0/18

Right Out: 89.854+/-0.024 χ^2/NDF: 746289.1/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

Left: 88.706+/-0.012 χ^2/NDF: 582352.9/36

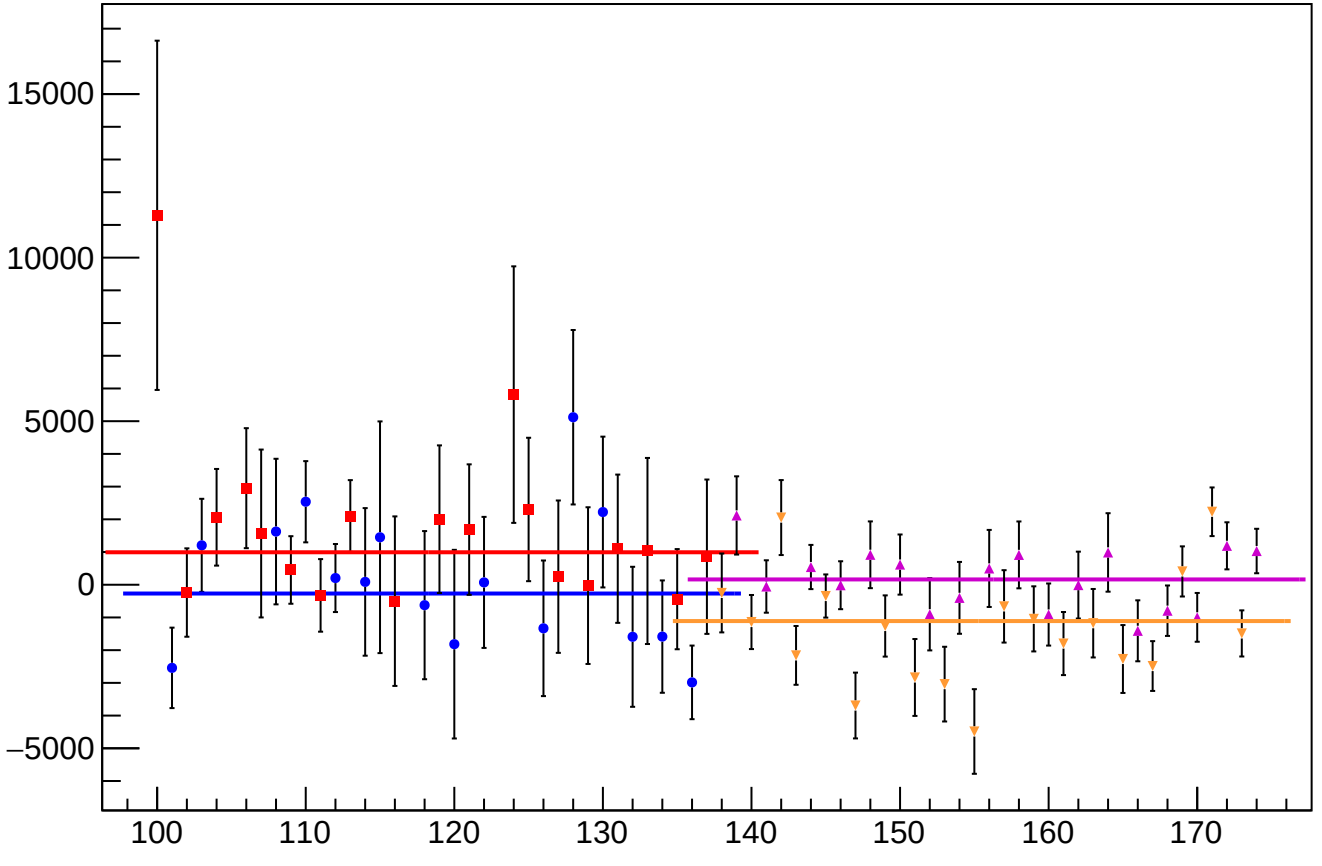
Right: 90.709+/-0.017 χ^2/NDF: 1329517.7/34

In: 89.694+/-0.014 χ^2/NDF:866694.9/33

Out: 88.963+/-0.014 χ^2/NDF:1052968.0/37

All: 89.323+/-0.010 χ^2/NDF: 1921105.5/71

asym_sam_3748_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -268.485+/-419.578 χ^2/NDF: 23.4/15

Left Out: -1110.552+/-210.088 χ^2/NDF:58.9/18

Right Out: 992.670+/-400.824 χ^2/NDF: 12.7/18

Left In: 162.304+/-207.314 χ^2/NDF:18.0/17

Left: -465.664+/-147.564 χ^2/NDF: 95.4/36

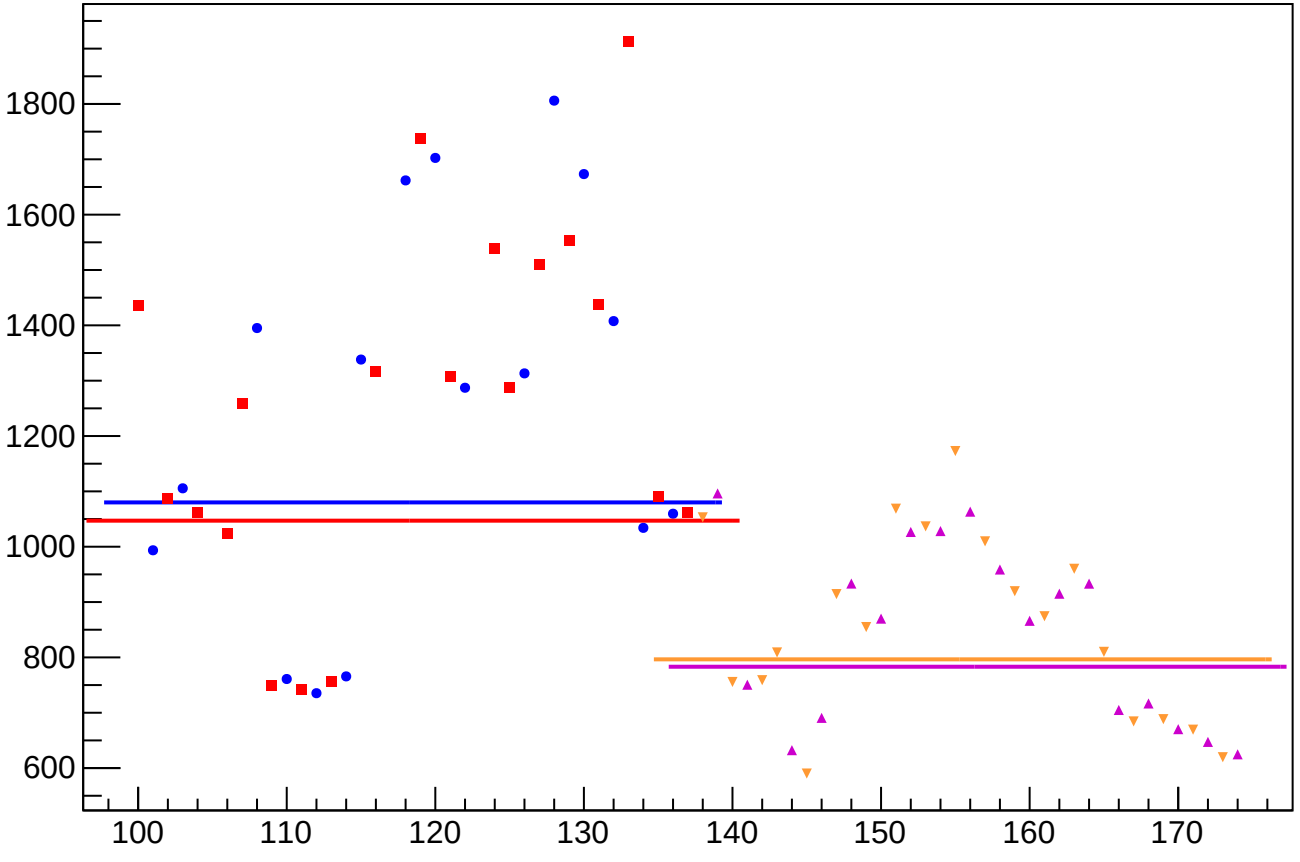
Right: 390.906+/-289.829 χ^2/NDF: 40.8/34

In: 77.771+/-185.863 χ^2/NDF:42.3/33

Out: -657.275+/-186.077 χ^2/NDF:93.1/37

All: -289.330+/-131.501 χ^2/NDF: 143.2/71

asym_sam_3748_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1080.045+/-0.297 χ^2/NDF: 1053468.5/15

Left Out: 796.483+/-0.149 χ^2/NDF:1128530.5/18

Right Out: 1047.068+/-0.283 χ^2/NDF: 1198646.2/18

Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

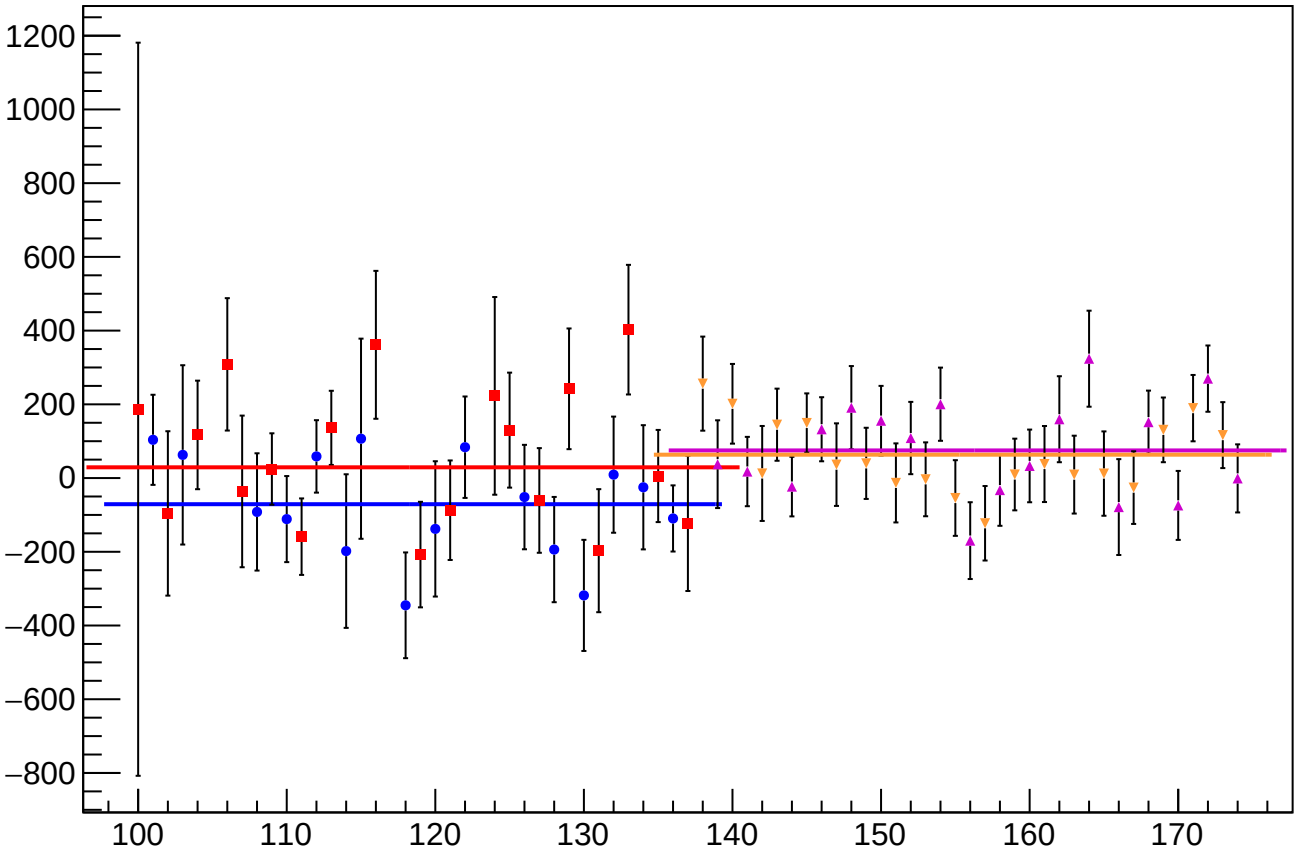
Left: 789.720+/-0.104 χ^2/NDF: 2168909.4/36

Right: 1062.803+/-0.205 χ^2/NDF: 2258574.4/34

In: 841.397+/-0.131 χ^2/NDF:2894746.2/33

Out: 850.488+/-0.132 χ^2/NDF:2940395.8/37

All: 845.937+/-0.093 χ^2/NDF: 5837531.7/71



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 63.390+/-23.062 χ^2/NDF:16.2/18

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 74.963+/-23.248 χ^2/NDF:27.1/17

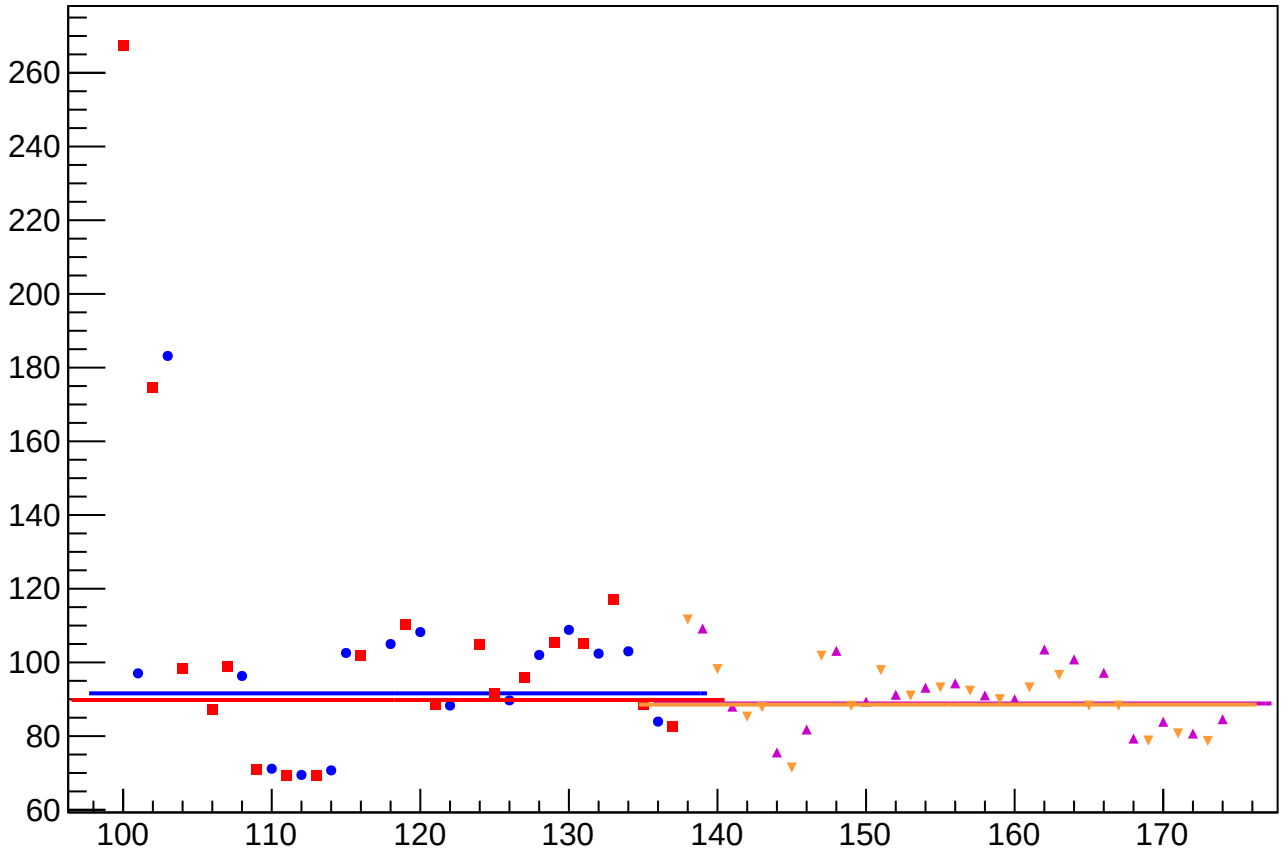
Left: 69.130+/-16.373 χ^2/NDF: 43.5/36

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.522+/-19.386 χ^2/NDF:53.1/33

Out: 52.710+/-19.129 χ^2/NDF:40.9/37

All: 41.764+/-13.616 χ^2/NDF: 94.7/71



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 88.558+/-0.016 χ^2/NDF:304707.0/18

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

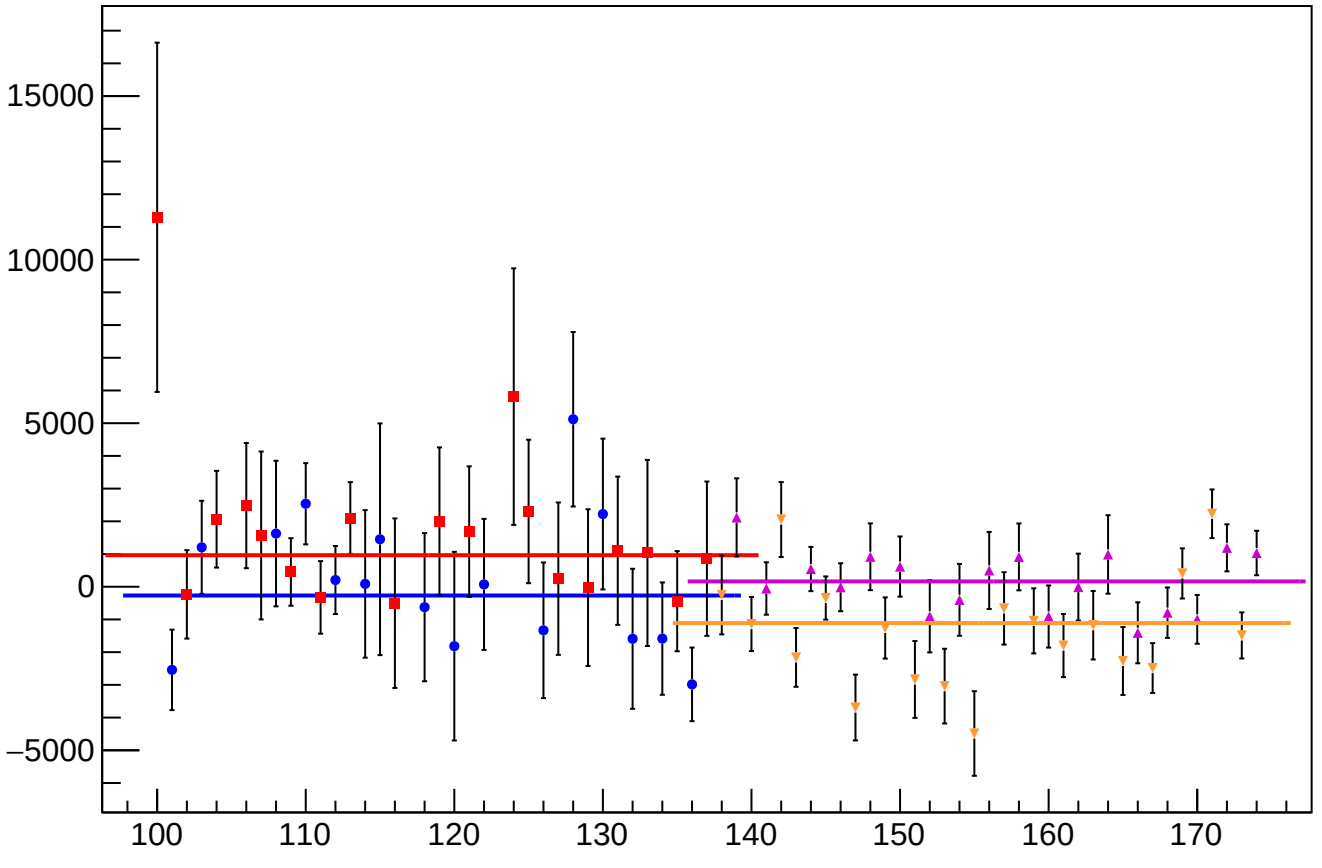
Left: 88.706+/-0.012 χ^2/NDF: 582352.9/36

Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.694+/-0.014 χ^2/NDF:866698.0/33

Out: 88.948+/-0.014 χ^2/NDF:1053370.3/37

All: 89.316+/-0.010 χ^2/NDF: 1921570.2/71



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1110.547+/-210.088 χ^2/NDF:58.9/18

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 162.308+/-207.314 χ^2/NDF:18.0/17

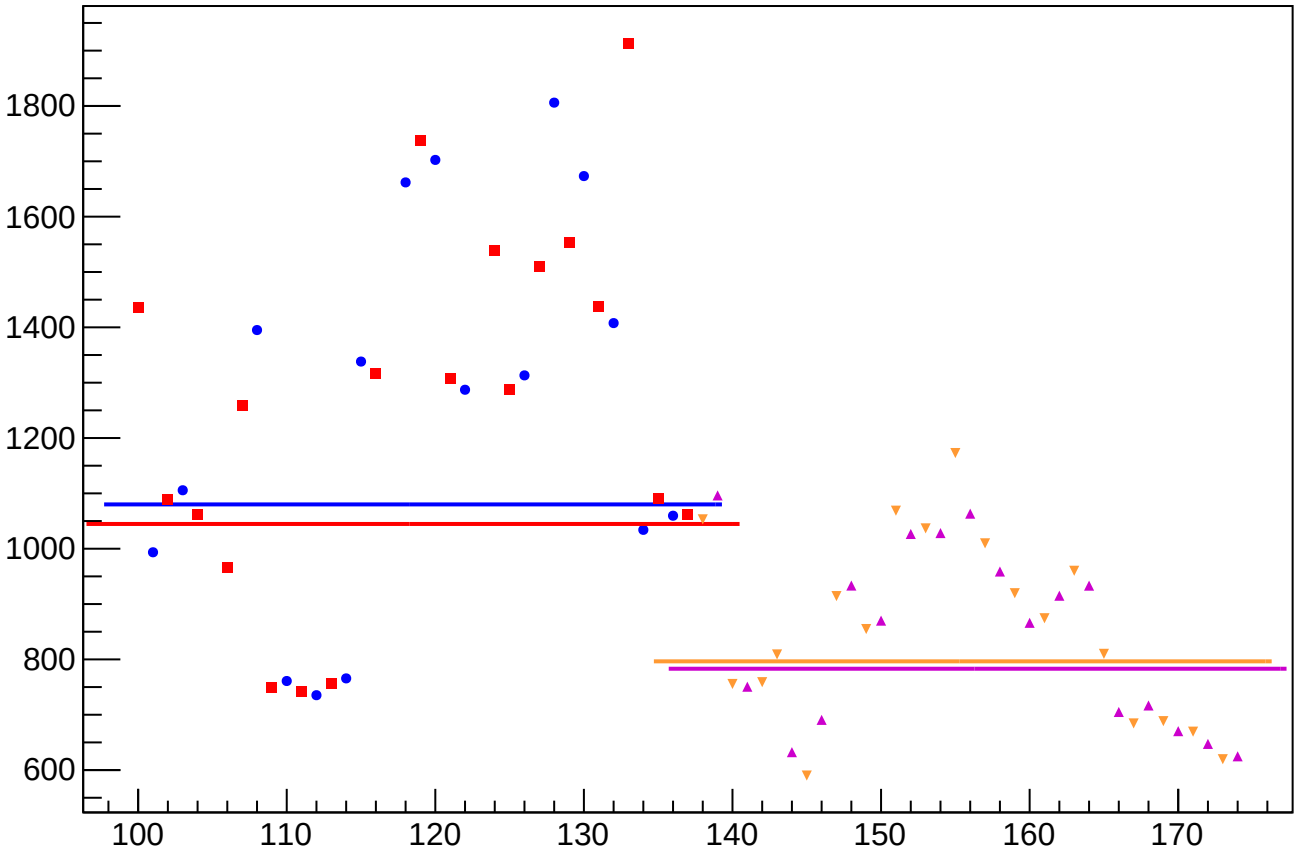
Left: -465.660+/-147.564 χ^2/NDF: 95.4/36

Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 77.771+/-185.864 χ^2/NDF:42.3/33

Out: -664.651+/-186.158 χ^2/NDF:91.9/37

All: -292.853+/-131.529 χ^2/NDF: 142.2/71



Right In: 1080.054+/-0.297 χ^2/NDF: 1053475.0/15

Left Out: 796.483+/-0.149 χ^2/NDF:1128532.2/18

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

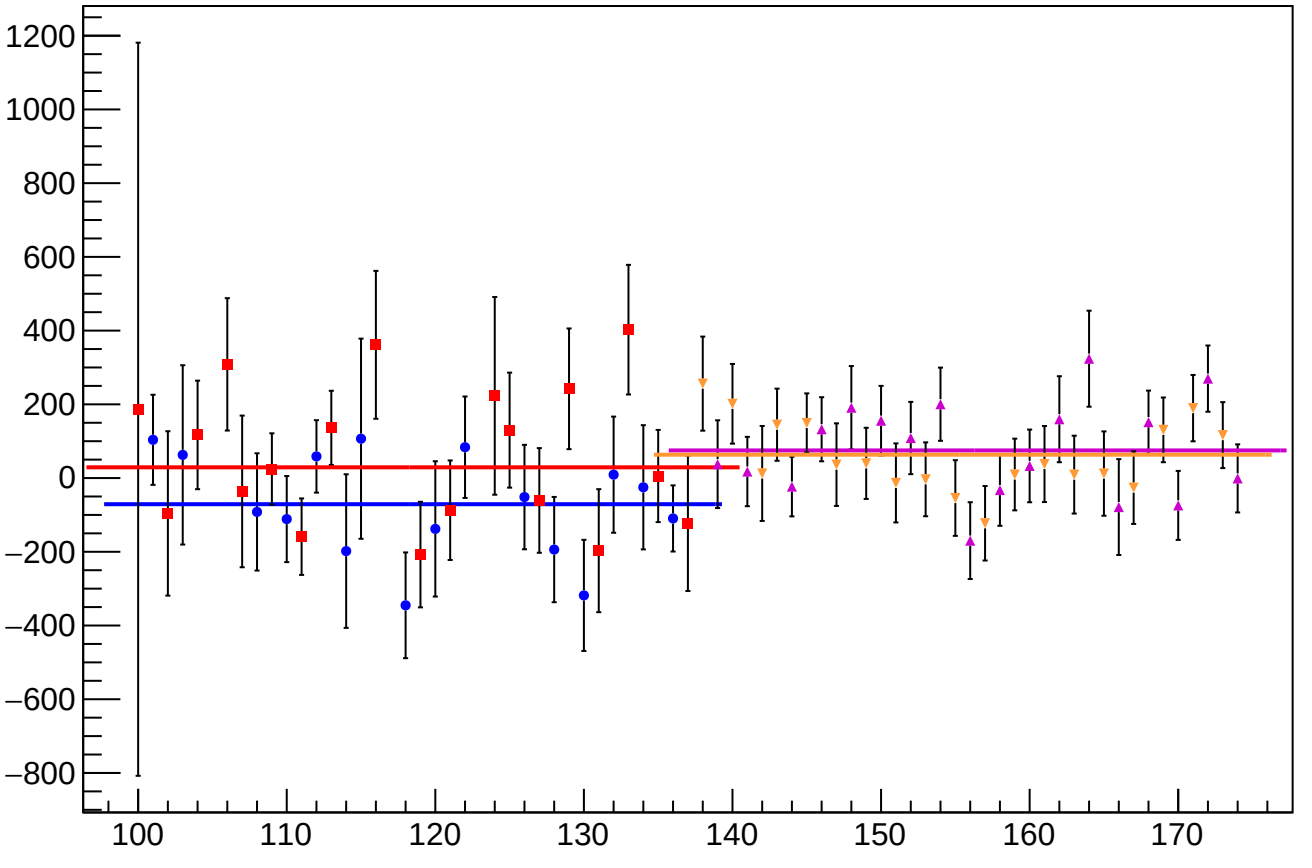
Left: 789.720+/-0.104 χ^2/NDF: 2168911.1/36

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 841.398+/-0.131 χ^2/NDF:2894788.9/33

Out: 849.812+/-0.132 χ^2/NDF:2930225.2/37

All: 845.598+/-0.093 χ^2/NDF: 5827060.4/71



Right In: -70.903+/-35.122 χ^2/NDF: 14.1/15

Left Out: 63.390+/-23.062 χ^2/NDF:16.2/18

Right Out: 29.159+/-34.247 χ^2/NDF: 24.0/18

Left In: 74.963+/-23.248 χ^2/NDF:27.1/17

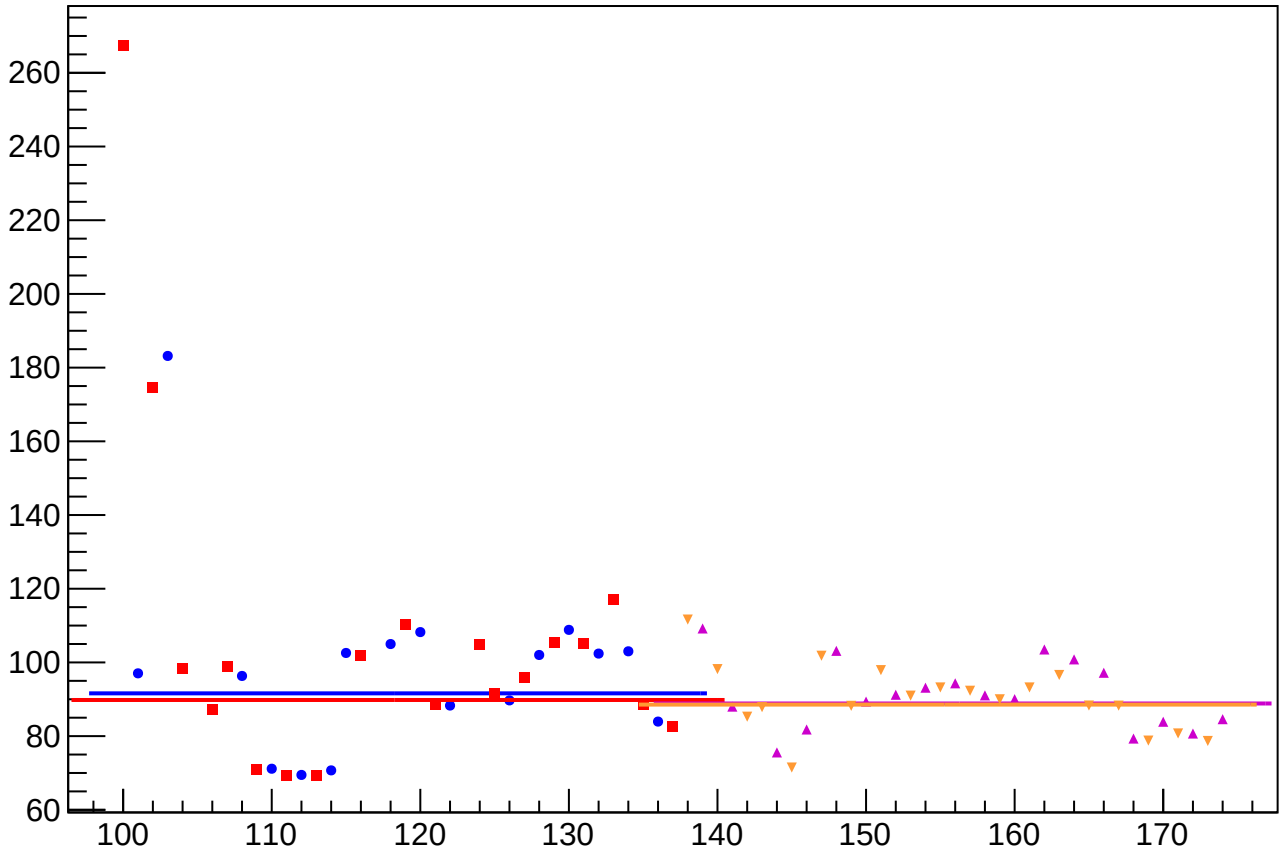
Left: 69.130+/-16.373 χ^2/NDF: 43.5/36

Right: -19.610+/-24.520 χ^2/NDF: 42.2/34

In: 30.522+/-19.386 χ^2/NDF:53.1/33

Out: 52.710+/-19.129 χ^2/NDF:40.9/37

All: 41.764+/-13.616 χ^2/NDF: 94.7/71



Right In: 91.608+/-0.025 χ^2/NDF: 580675.9/15

Left Out: 88.558+/-0.016 χ^2/NDF:304707.0/18

Right Out: 89.807+/-0.024 χ^2/NDF: 746833.4/18

Left In: 88.855+/-0.016 χ^2/NDF:277480.9/17

Left: 88.706+/-0.012 χ^2/NDF: 582352.9/36

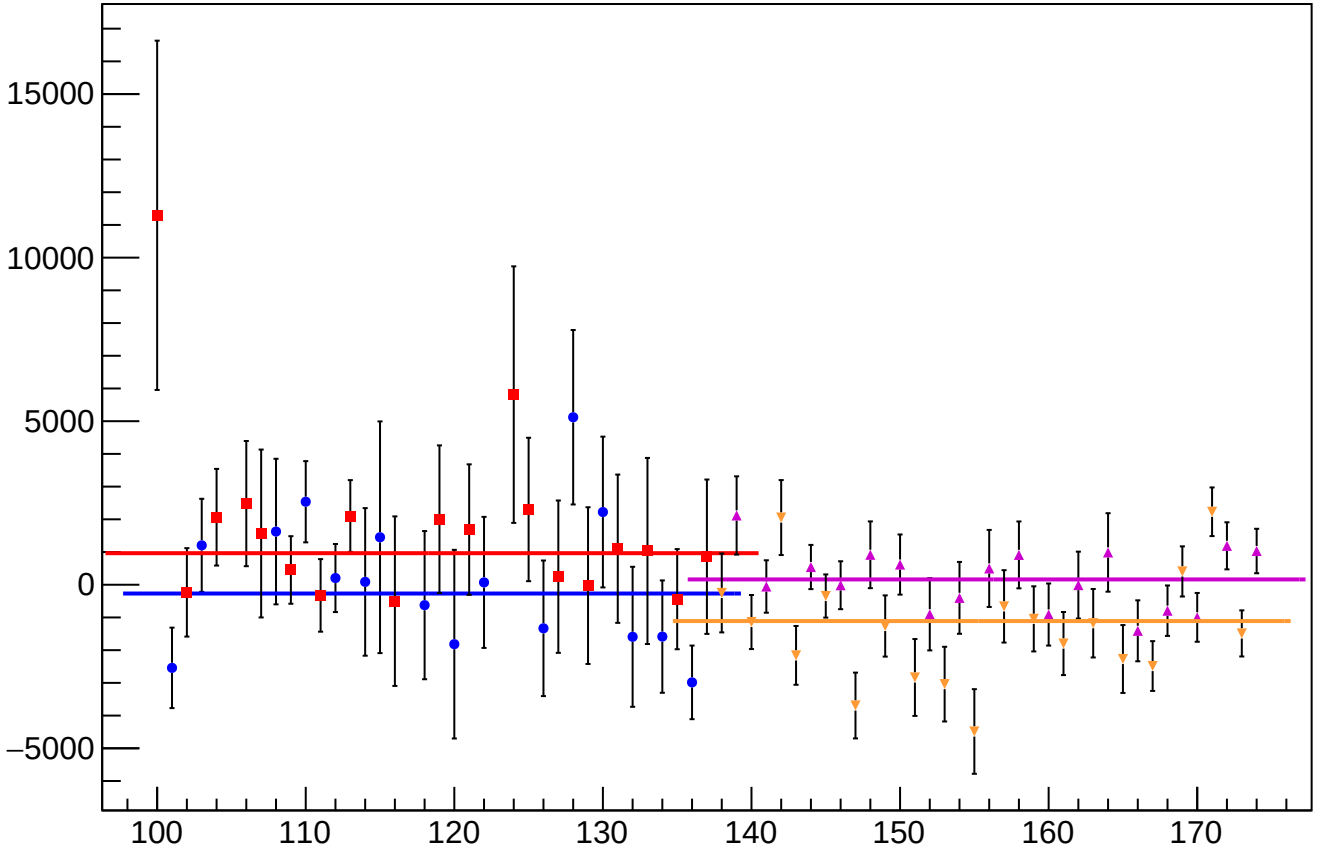
Right: 90.685+/-0.017 χ^2/NDF: 1330205.1/34

In: 89.694+/-0.014 χ^2/NDF:866698.0/33

Out: 88.948+/-0.014 χ^2/NDF:1053370.3/37

All: 89.316+/-0.010 χ^2/NDF: 1921570.2/71

asym_sam_3748_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -268.506+/-419.581 χ^2/NDF: 23.4/15

Left Out: -1110.547+/-210.088 χ^2/NDF:58.9/18

Right Out: 964.986+/-401.633 χ^2/NDF: 12.1/18

Left In: 162.308+/-207.314 χ^2/NDF:18.0/17

Left: -465.660+/-147.564 χ^2/NDF: 95.4/36

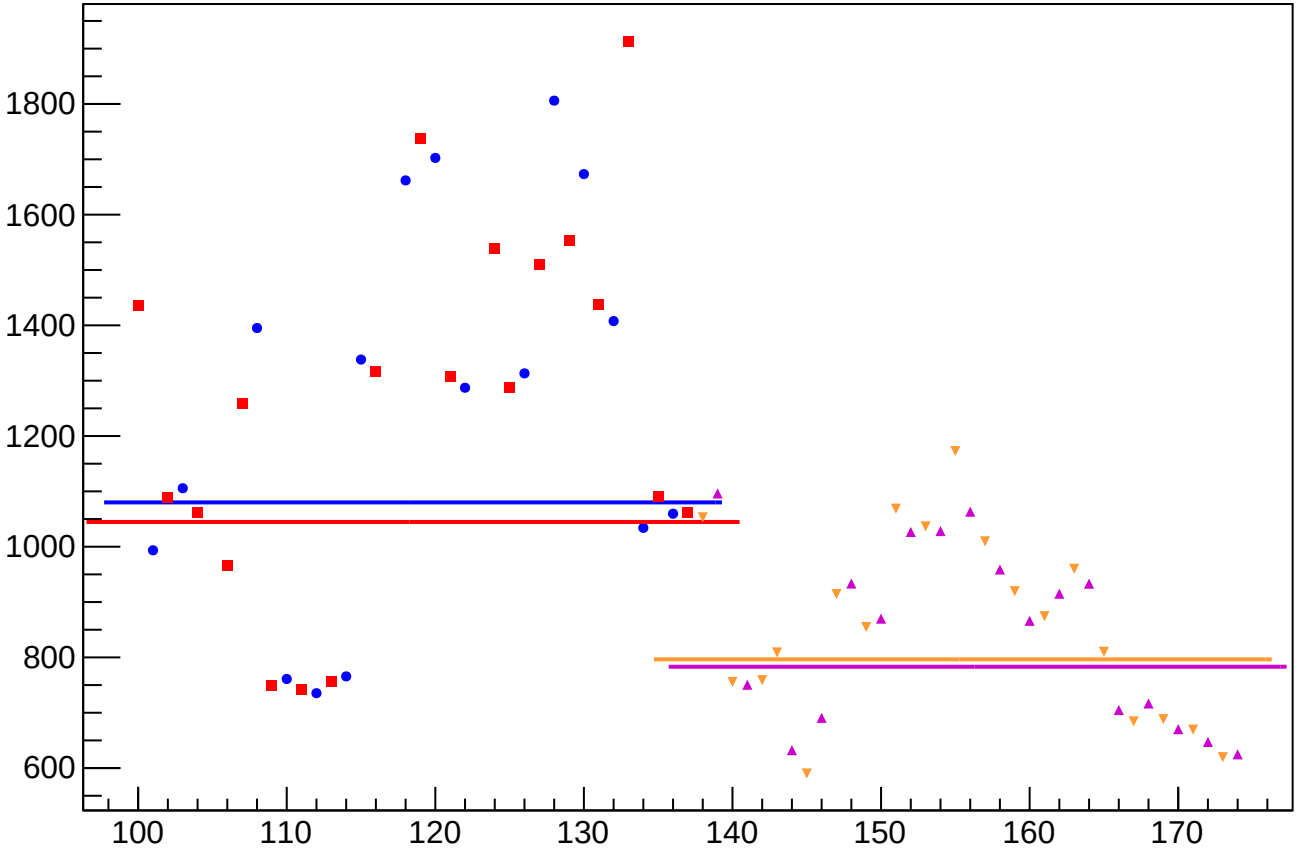
Right: 375.186+/-290.135 χ^2/NDF: 40.1/34

In: 77.771+/-185.864 χ^2/NDF:42.3/33

Out: -664.651+/-186.158 χ^2/NDF:91.9/37

All: -292.853+/-131.529 χ^2/NDF: 142.2/71

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: 796.483+/-0.149 χ^2/NDF:1128532.2/18

Right Out: 1044.717+/-0.284 χ^2/NDF: 1201825.8/18

Left In: 783.134+/-0.147 χ^2/NDF:1036288.1/17

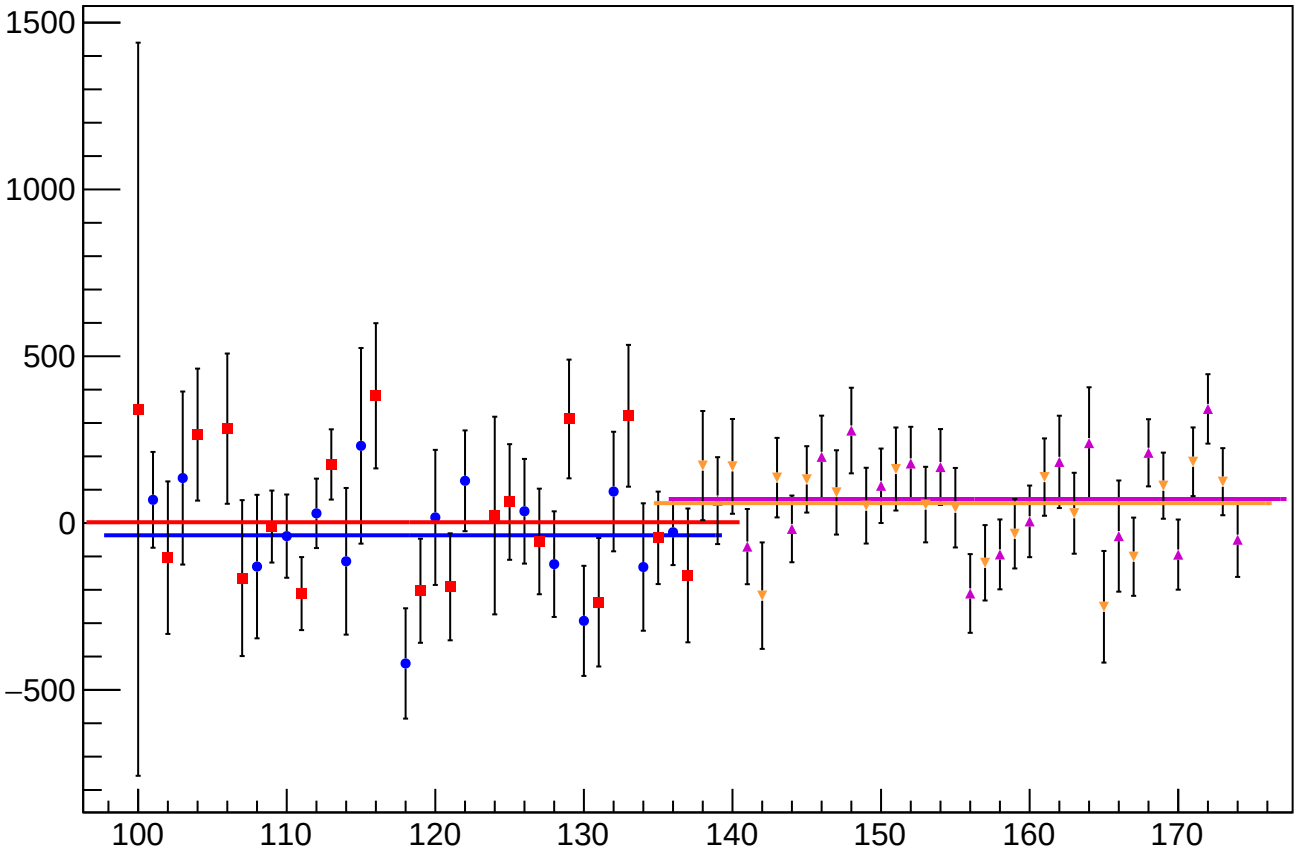
Left: 789.720+/-0.104 χ^2/NDF: 2168911.1/36

Right: 1061.613+/-0.205 χ^2/NDF: 2262703.7/34

In: 841.398+/-0.131 χ^2/NDF:2894788.9/33

Out: 849.812+/-0.132 χ^2/NDF:2930225.2/37

All: 845.598+/-0.093 χ^2/NDF: 5827060.4/71



Right In: -36.590+/-38.991 χ^2/NDF: 12.9/15

Left Out: 59.734+/-27.040 χ^2/NDF:17.0/18

Right Out: 2.568+/-38.165 χ^2/NDF: 24.7/18

Left In: 72.148+/-27.315 χ^2/NDF:30.9/17

Left: 65.879+/-19.217 χ^2/NDF: 48.0/36

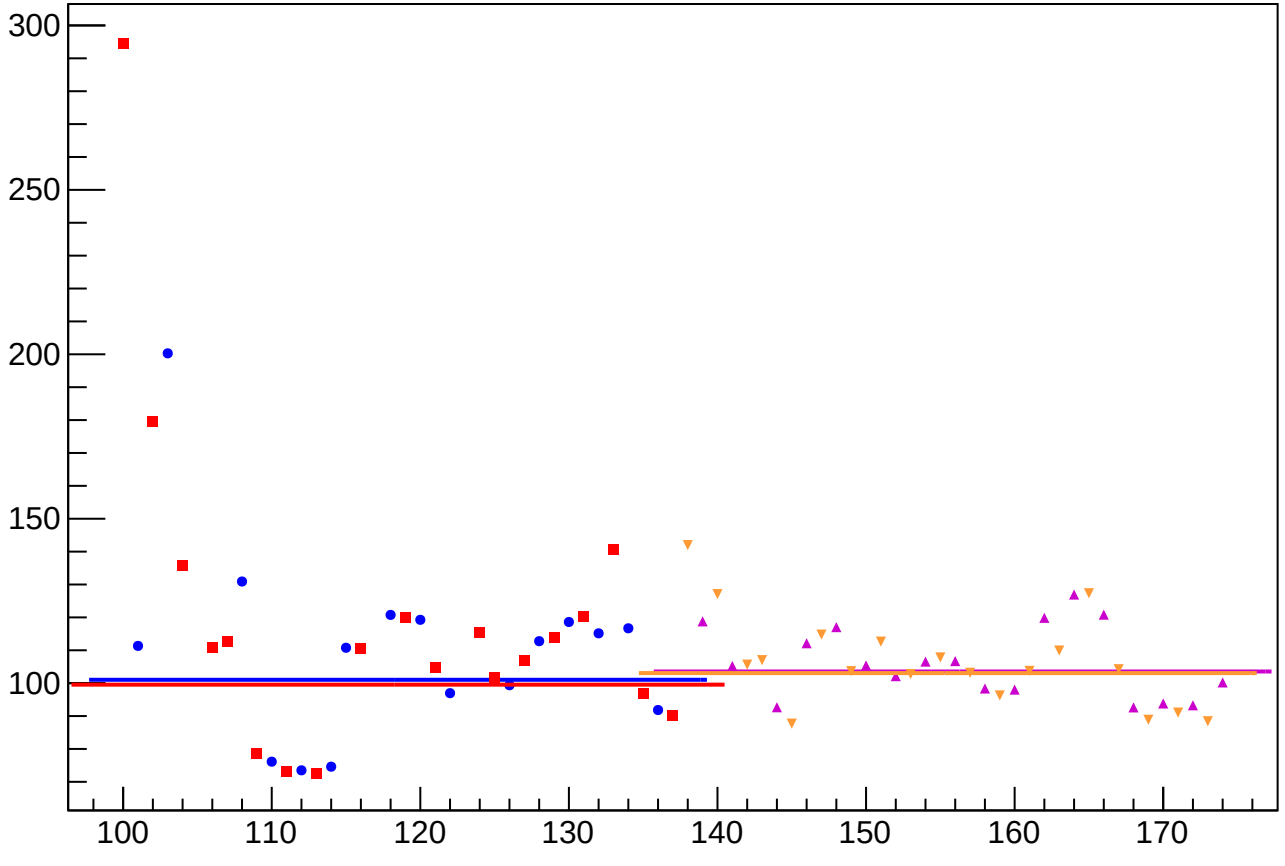
Right: -16.592+/-27.274 χ^2/NDF: 38.1/34

In: 36.351+/-22.372 χ^2/NDF:49.0/33

Out: 40.628+/-22.064 χ^2/NDF:43.3/37

All: 38.519+/-15.709 χ^2/NDF: 92.3/71

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 101.031+/-0.028 χ^2/NDF: 716095.9/15

Left Out: 103.063+/-0.019 χ^2/NDF:420864.9/18

Right Out: 99.547+/-0.027 χ^2/NDF: 880497.8/18

Left In: 103.553+/-0.019 χ^2/NDF:247535.7/17

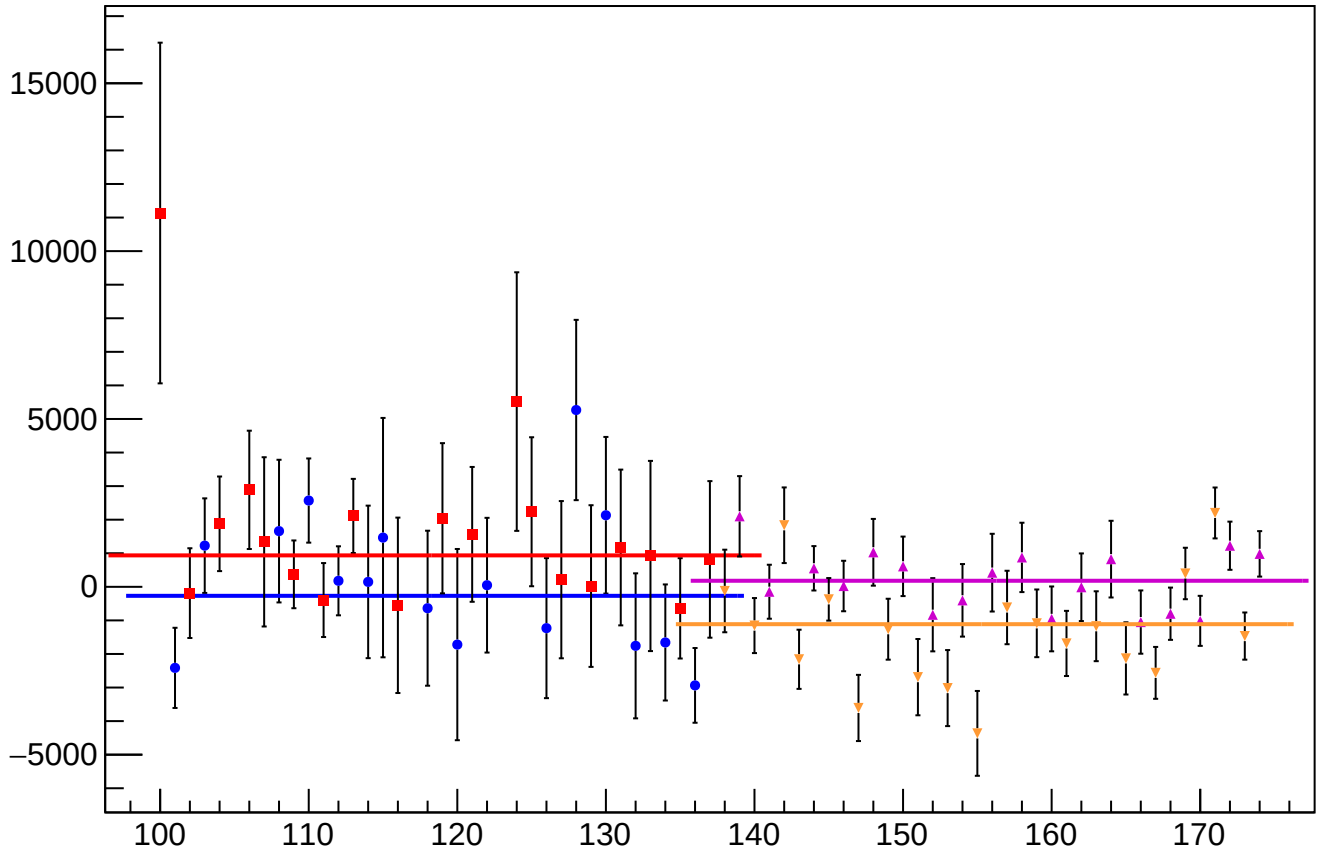
Left: 103.305+/-0.014 χ^2/NDF: 668725.9/36

Right: 100.273+/-0.019 χ^2/NDF: 1598073.3/34

In: 102.723+/-0.016 χ^2/NDF:969243.7/33

Out: 101.888+/-0.016 χ^2/NDF:1312662.1/37

All: 102.299+/-0.011 χ^2/NDF: 2283318.3/71



Right In: -267.886+/-417.061 χ^2/NDF: 23.5/15

Left Out: -1112.691+/-208.748 χ^2/NDF:56.3/18

Right Out: 936.734+/-396.234 χ^2/NDF: 13.1/18

Left In: 180.668+/-206.314 χ^2/NDF:16.8/17

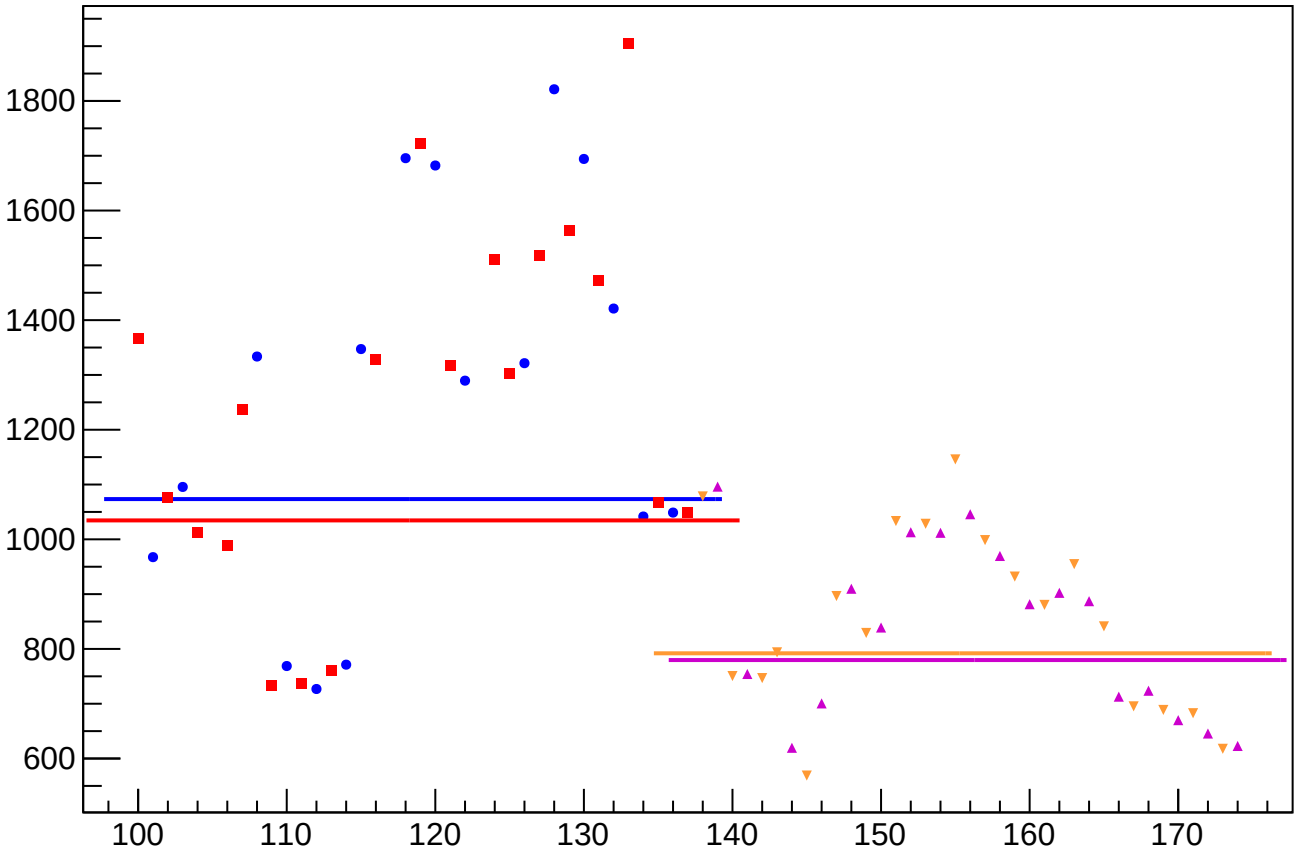
Left: -458.427+/-146.739 χ^2/NDF: 92.5/36

Right: 365.251+/-287.261 χ^2/NDF: 41.0/34

In: 92.481+/-184.924 χ^2/NDF:41.2/33

Out: -667.451+/-184.686 χ^2/NDF:90.4/37

All: -287.975+/-130.677 χ^2/NDF: 140.0/71



Right In: 1073.456+/-0.295 χ^2/NDF: 1077055.9/15

Left Out: 792.006+/-0.148 χ^2/NDF:1136469.5/18

Right Out: 1034.535+/-0.280 χ^2/NDF: 1229344.1/18

Left In: 779.690+/-0.146 χ^2/NDF:992235.9/17

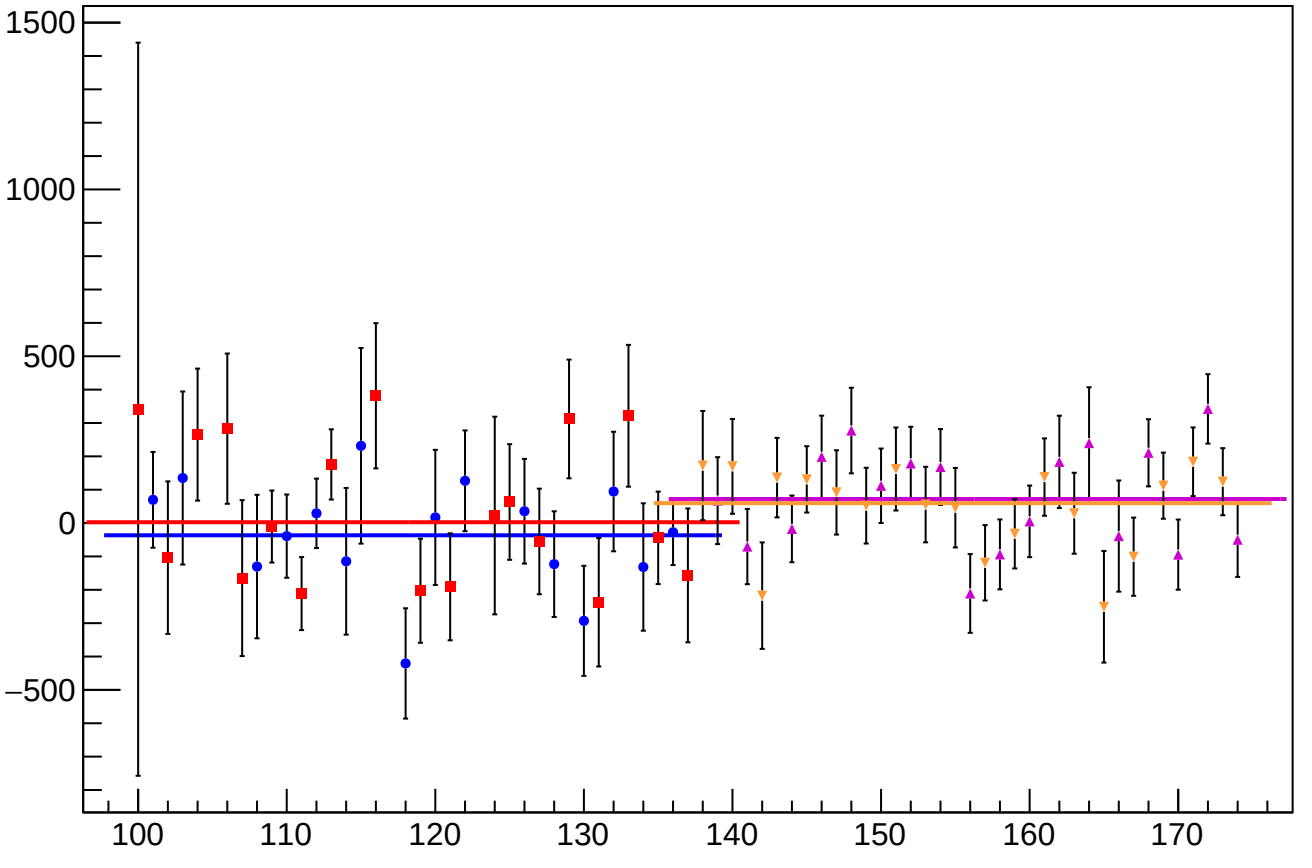
Left: 785.776+/-0.104 χ^2/NDF: 2132227.0/36

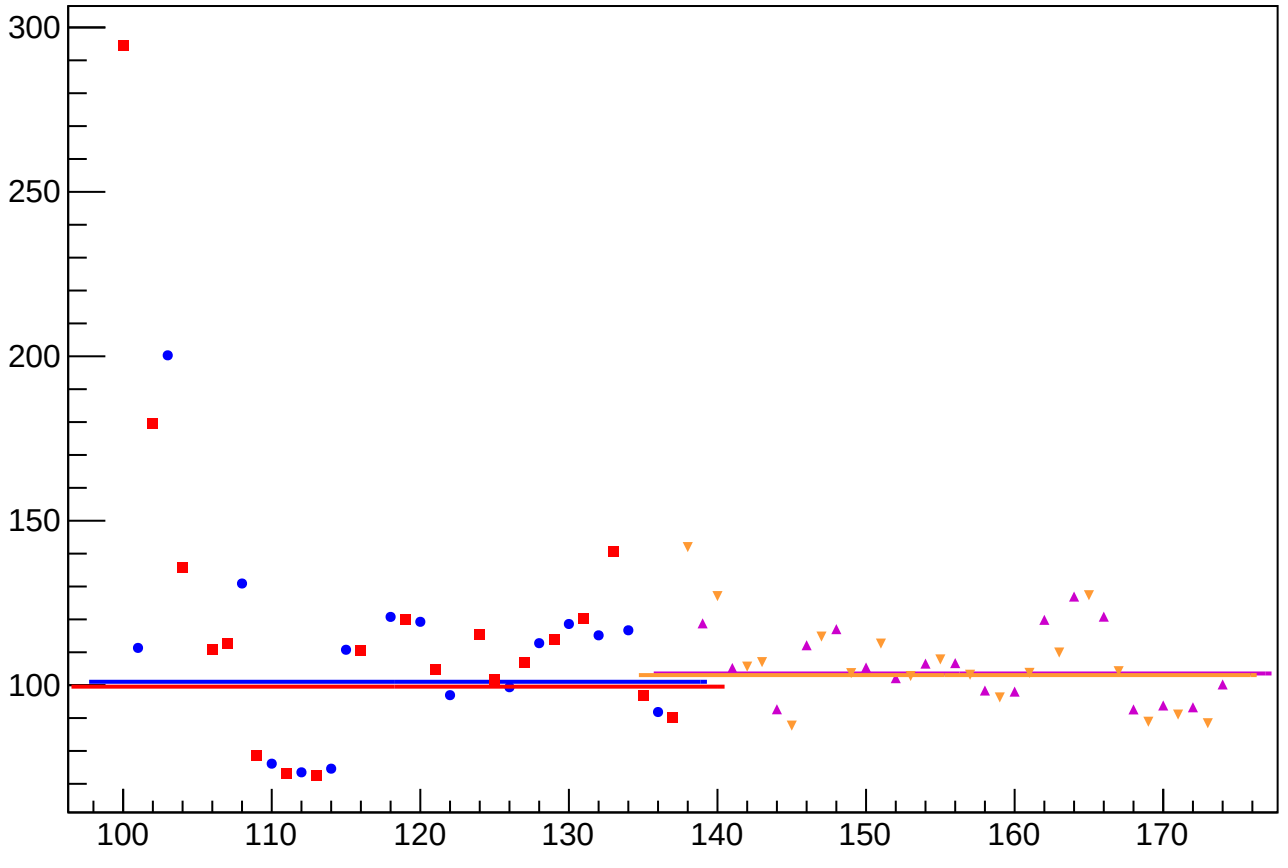
Right: 1052.999+/-0.203 χ^2/NDF: 2315554.6/34

In: 837.445+/-0.131 χ^2/NDF:2866481.6/33

Out: 844.696+/-0.131 χ^2/NDF:2952323.5/37

All: 841.075+/-0.092 χ^2/NDF: 5820344.5/71


eigen_dit_asym_sam_3748_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
100
110
120
130
140
150
160
170
Right In: -36.589+/-38.991 χ²/NDF: 12.9/15
Left Out: 59.736+/-27.041 χ²/NDF:17.0/18
Right Out: 2.566+/-38.165 χ²/NDF: 24.7/18
Left In: 72.148+/-27.315 χ²/NDF:30.9/17
Left: 65.879+/-19.217 χ²/NDF: 48.0/36
Right: -16.593+/-27.274 χ²/NDF: 38.1/34
In: 36.351+/-22.372 χ²/NDF:49.0/33
Out: 40.628+/-22.064 χ²/NDF:43.3/37
All: 38.519+/-15.709 χ²/NDF: 92.3/71



Right In: 101.031+/-0.028 χ^2/NDF: 716094.5/15

Left Out: 103.063+/-0.019 χ^2/NDF:420861.7/18

Right Out: 99.547+/-0.027 χ^2/NDF: 880499.8/18

Left In: 103.553+/-0.019 χ^2/NDF:247535.9/17

Left: 103.306+/-0.014 χ^2/NDF: 668723.0/36

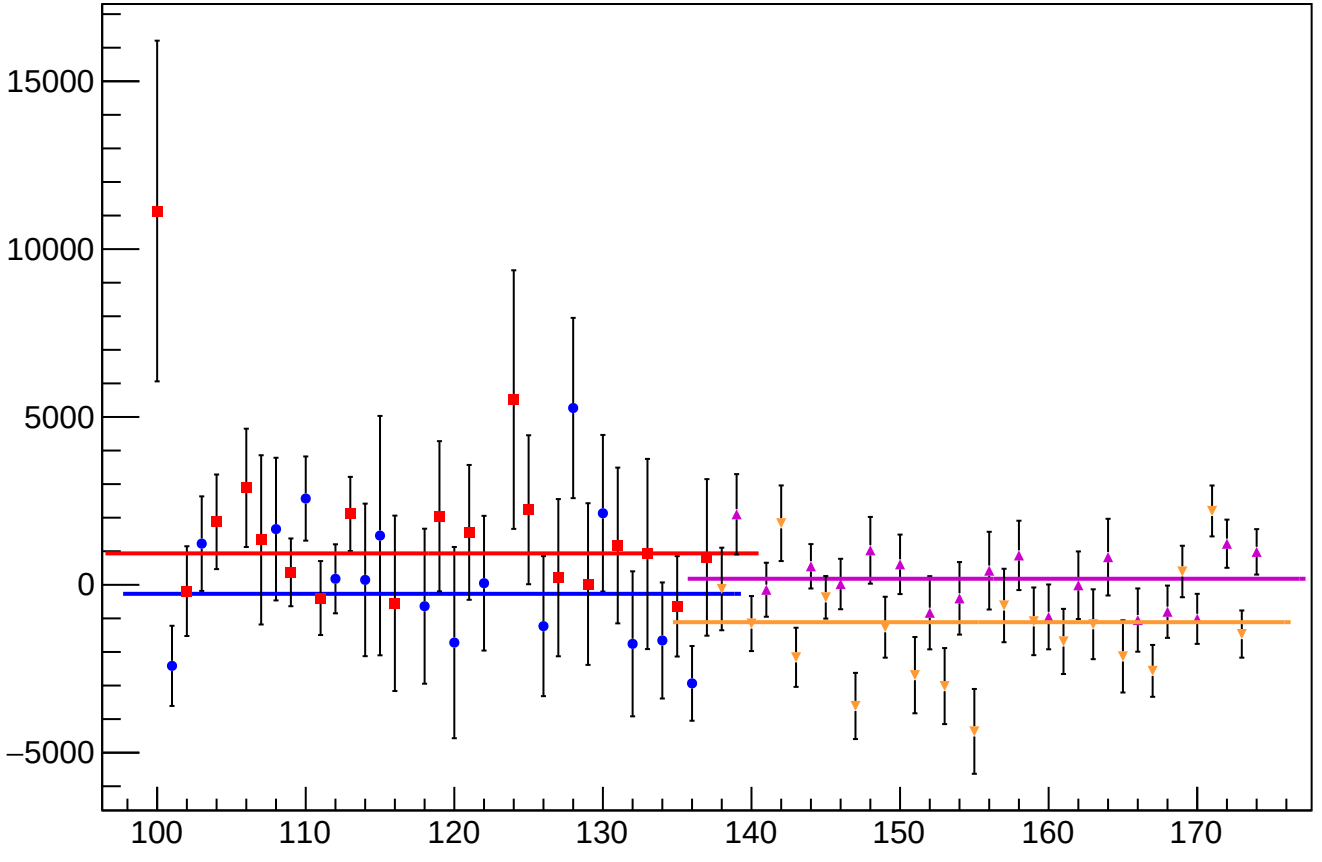
Right: 100.273+/-0.019 χ^2/NDF: 1598074.0/34

In: 102.723+/-0.016 χ^2/NDF:969243.5/33

Out: 101.888+/-0.016 χ^2/NDF:1312662.4/37

All: 102.300+/-0.011 χ^2/NDF: 2283318.3/71

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: -1112.690+/-208.748 χ^2/NDF:56.3/18

Right Out: 936.732+/-396.234 χ^2/NDF: 13.1/18

Left In: 180.666+/-206.313 χ^2/NDF:16.8/17

Left: -458.427+/-146.739 χ^2/NDF: 92.5/36

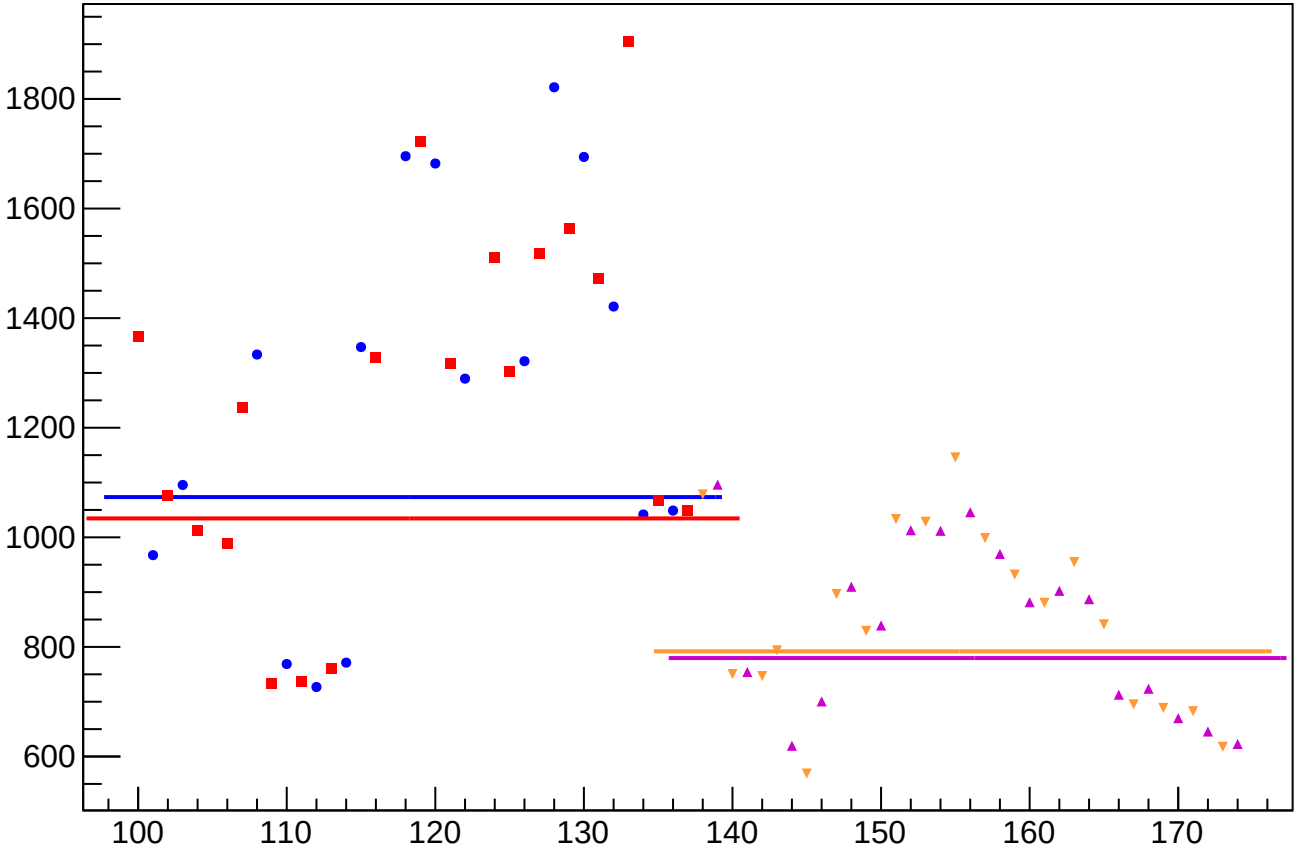
Right: 365.251+/-287.260 χ^2/NDF: 41.0/34

In: 92.481+/-184.924 χ^2/NDF:41.2/33

Out: -667.451+/-184.685 χ^2/NDF:90.4/37

All: -287.975+/-130.676 χ^2/NDF: 140.0/71

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.454+/-0.295 χ^2/NDF: 1077061.8/15

Left Out: 792.005+/-0.148 χ^2/NDF:1136472.4/18

Right Out: 1034.533+/-0.280 χ^2/NDF: 1229346.7/18

Left In: 779.689+/-0.146 χ^2/NDF:992237.4/17

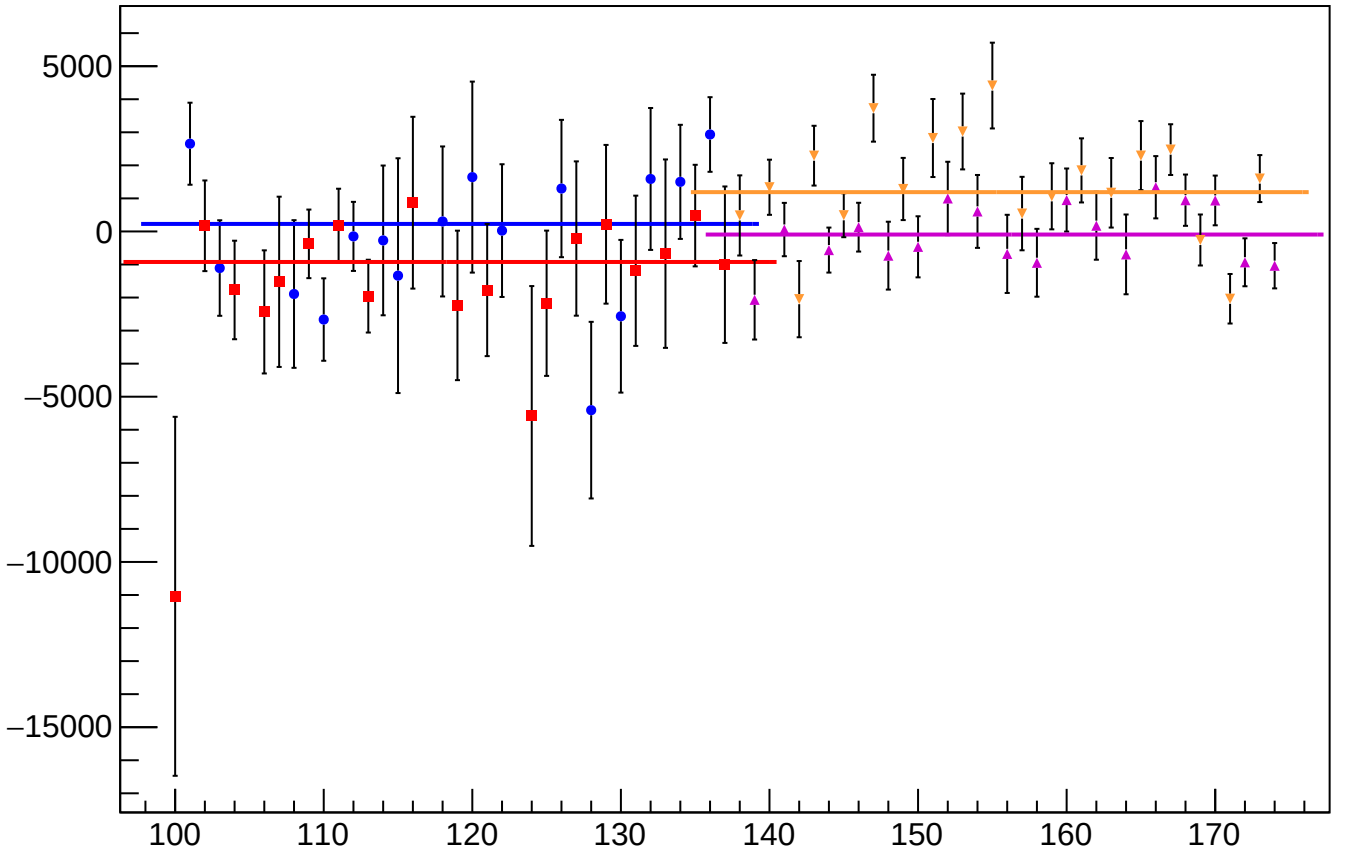
Left: 785.775+/-0.104 χ^2/NDF: 2132231.4/36

Right: 1052.997+/-0.203 χ^2/NDF: 2315562.9/34

In: 837.444+/-0.131 χ^2/NDF:2866487.8/33

Out: 844.694+/-0.131 χ^2/NDF:2952328.4/37

All: 841.074+/-0.092 χ^2/NDF: 5820355.5/71



Right In: 227.502+/-421.838 χ^2/NDF: 24.4/15

Left Out: 1189.372+/-211.465 χ^2/NDF:54.9/18

Right Out: -923.649+/-403.102 χ^2/NDF: 11.2/18

Left In: -93.601+/-208.738 χ^2/NDF:16.9/17

Left: 539.557+/-148.555 χ^2/NDF: 90.5/36

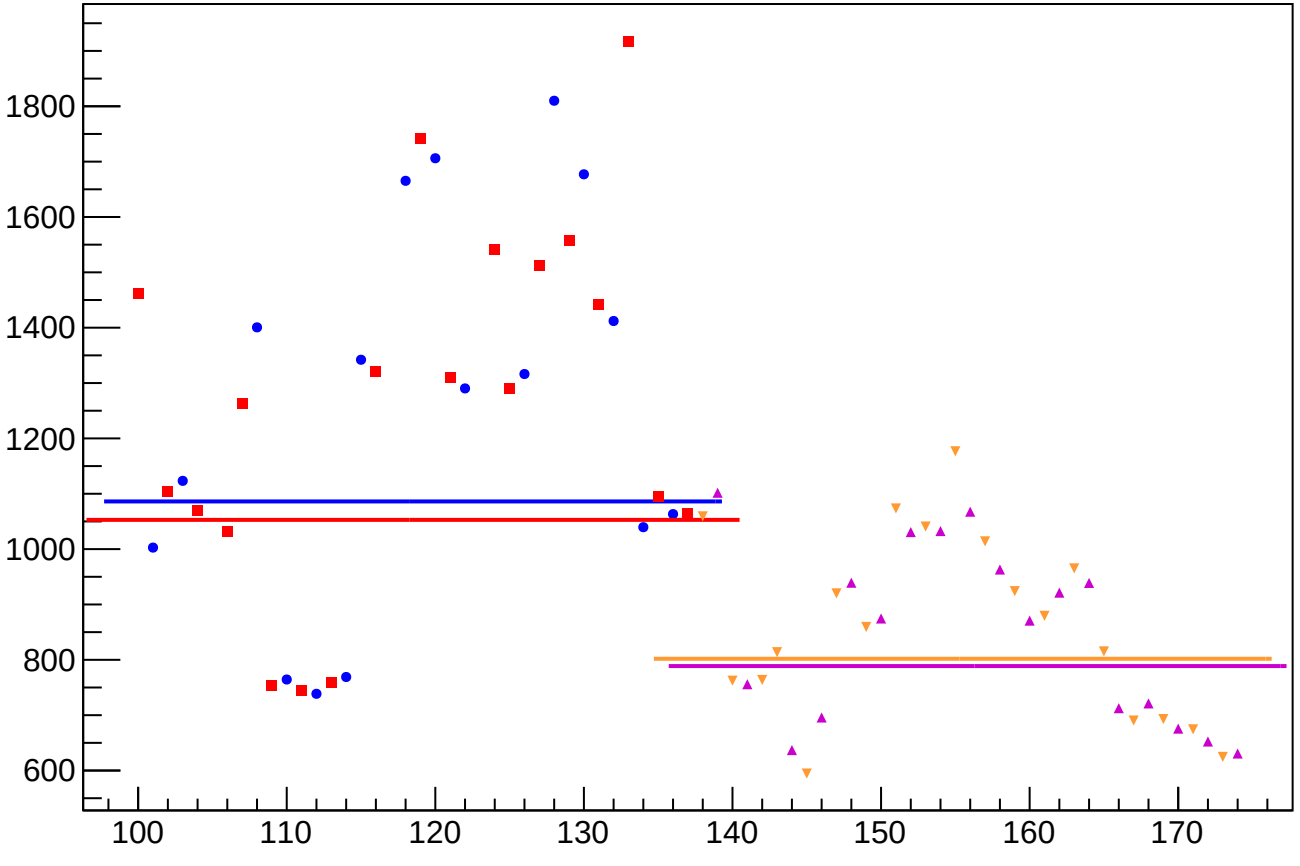
Right: -374.204+/-291.435 χ^2/NDF: 39.5/34

In: -30.442+/-187.086 χ^2/NDF:41.8/33

Out: 733.362+/-187.262 χ^2/NDF:87.7/37

All: 351.100+/-132.352 χ^2/NDF: 137.8/71

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1086.137+/-0.298 χ^2/NDF: 1047479.6/15

Left Out: 801.917+/-0.150 χ^2/NDF:1114099.7/18

Right Out: 1052.831+/-0.285 χ^2/NDF: 1194420.8/18

Left In: 788.728+/-0.148 χ^2/NDF:1021435.7/17

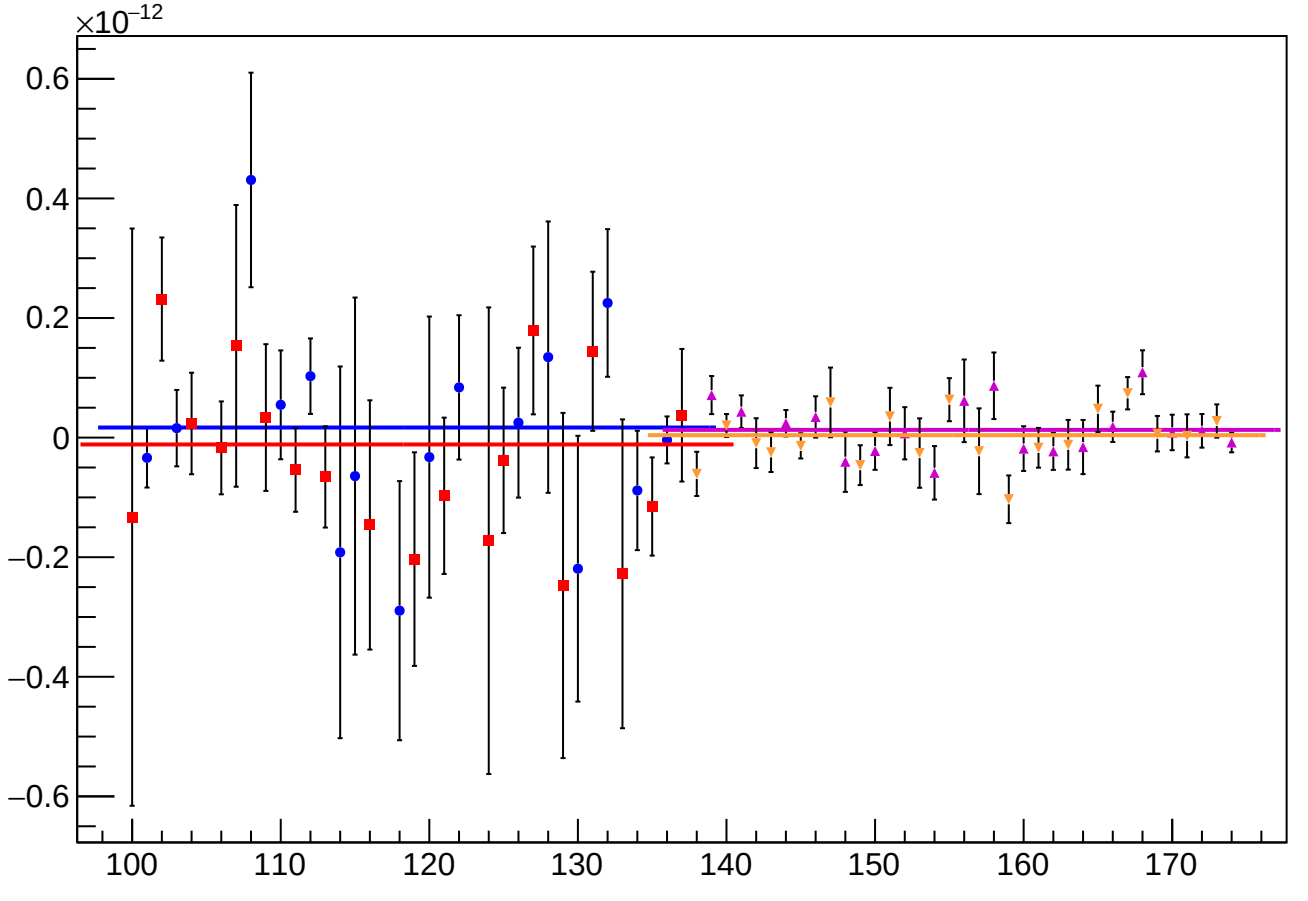
Left: 795.237+/-0.105 χ^2/NDF: 2139475.6/36

Right: 1068.728+/-0.206 χ^2/NDF: 2248417.5/34

In: 847.227+/-0.132 χ^2/NDF:2867515.1/33

Out: 856.066+/-0.132 χ^2/NDF:2916196.8/37

All: 851.642+/-0.094 χ^2/NDF: 5785942.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.8/18

Left In: 0.000+/-0.000 χ^2/NDF:23.4/17

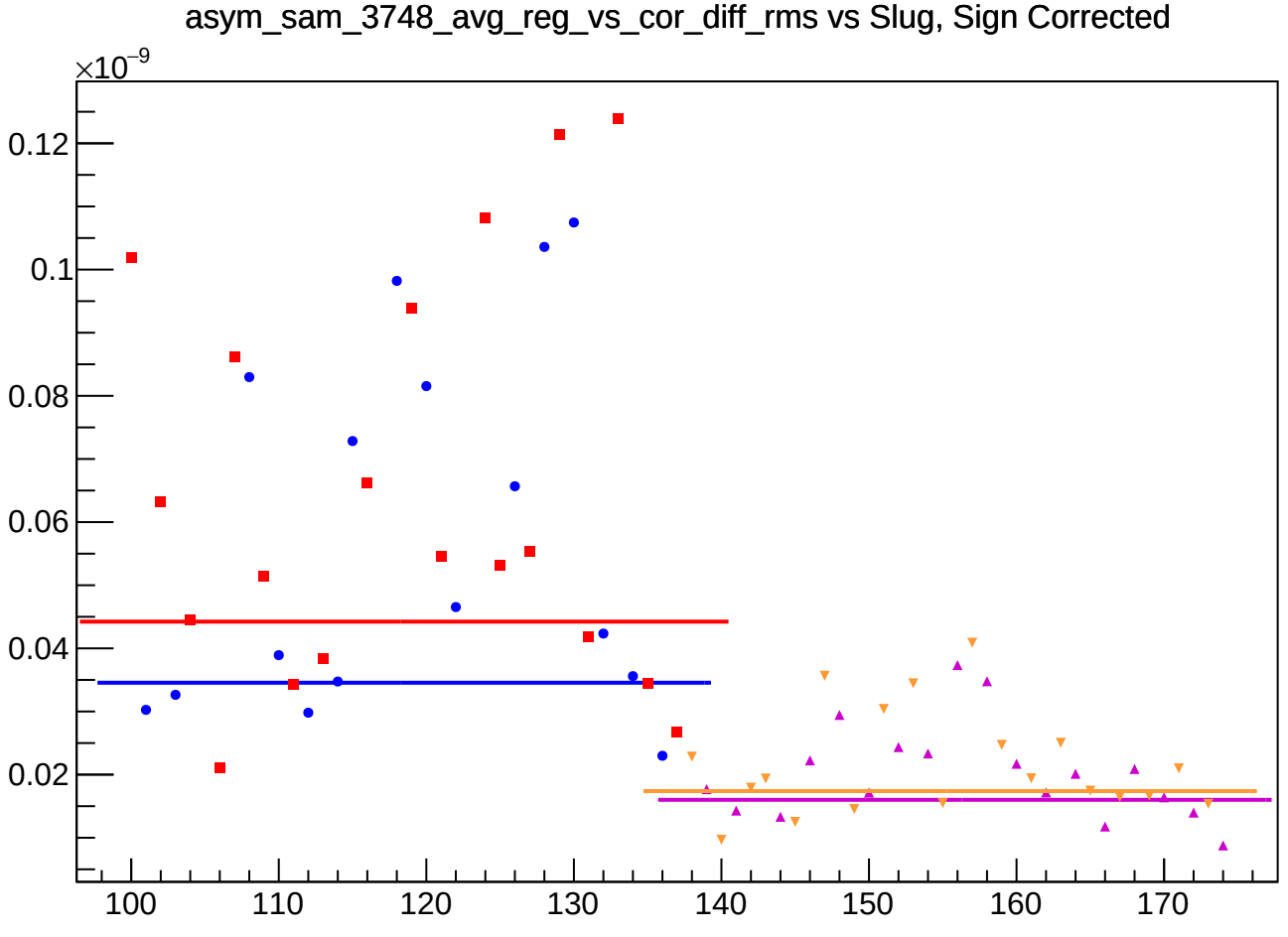
Left: 0.000+/-0.000 χ^2/NDF: 52.7/36

Right: 0.000+/-0.000 χ^2/NDF: 33.4/34

In: 0.000+/-0.000 χ^2/NDF:40.4/33

Out: 0.000+/-0.000 χ^2/NDF:44.7/37

All: 0.000+/-0.000 χ^2/NDF: 86.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 1188815.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1408730.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1073061.4/18

Left In: 0.000+/-0.000 χ^2/NDF:1348218.9/17

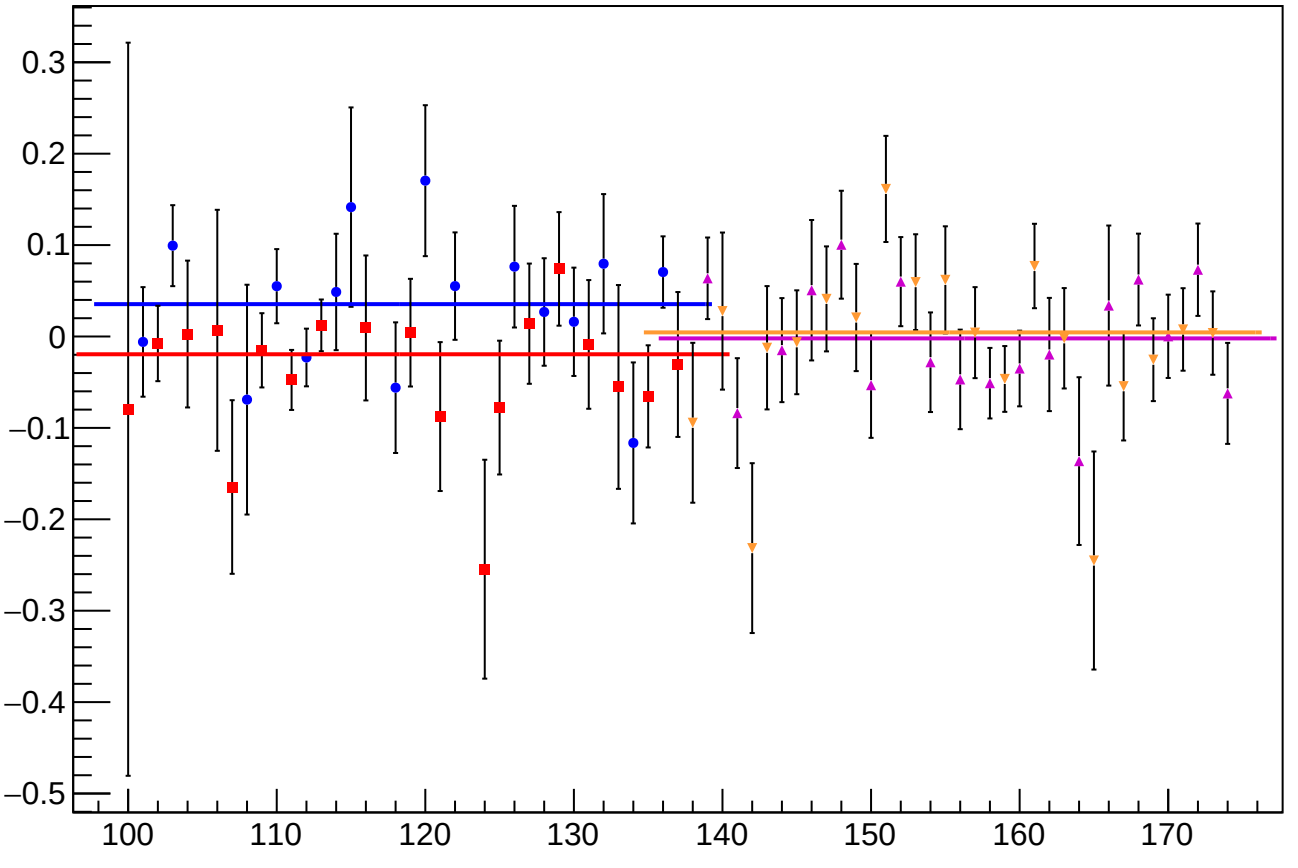
Left: 0.000+/-0.000 χ^2/NDF: 2791430.1/36

Right: 0.000+/-0.000 χ^2/NDF: 2418011.3/34

In: 0.000+/-0.000 χ^2/NDF:3836549.1/33

Out: 0.000+/-0.000 χ^2/NDF:4327878.3/37

All: 0.000+/-0.000 χ^2/NDF: 8208101.4/71



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.0/18

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.013 χ^2/NDF:20.6/17

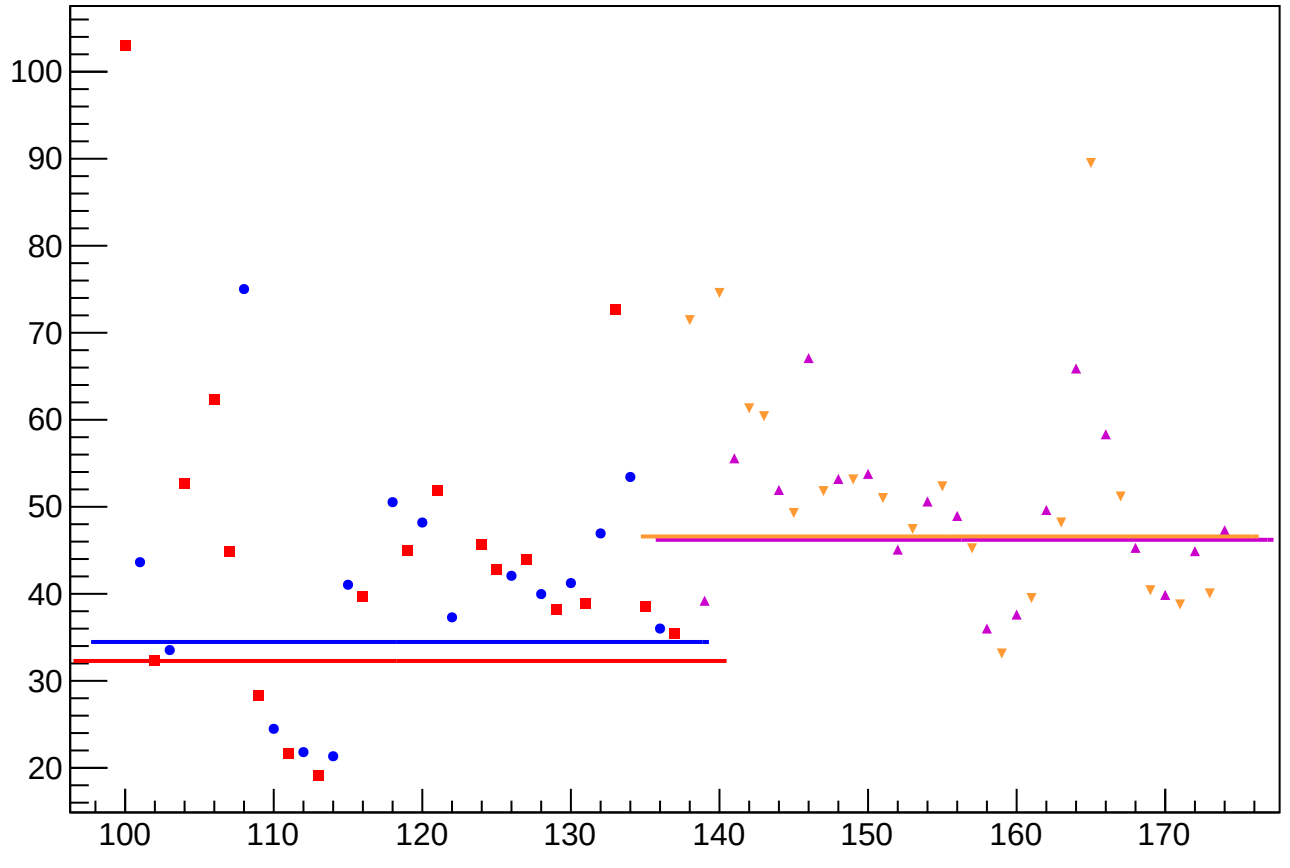
Left: 0.001+/-0.009 χ^2/NDF: 48.7/36

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:41.5/33

Out: -0.007+/-0.009 χ^2/NDF:43.1/37

All: 0.004+/-0.007 χ^2/NDF: 87.5/71



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 46.592+/-0.009 χ^2/NDF:1323790.5/18

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

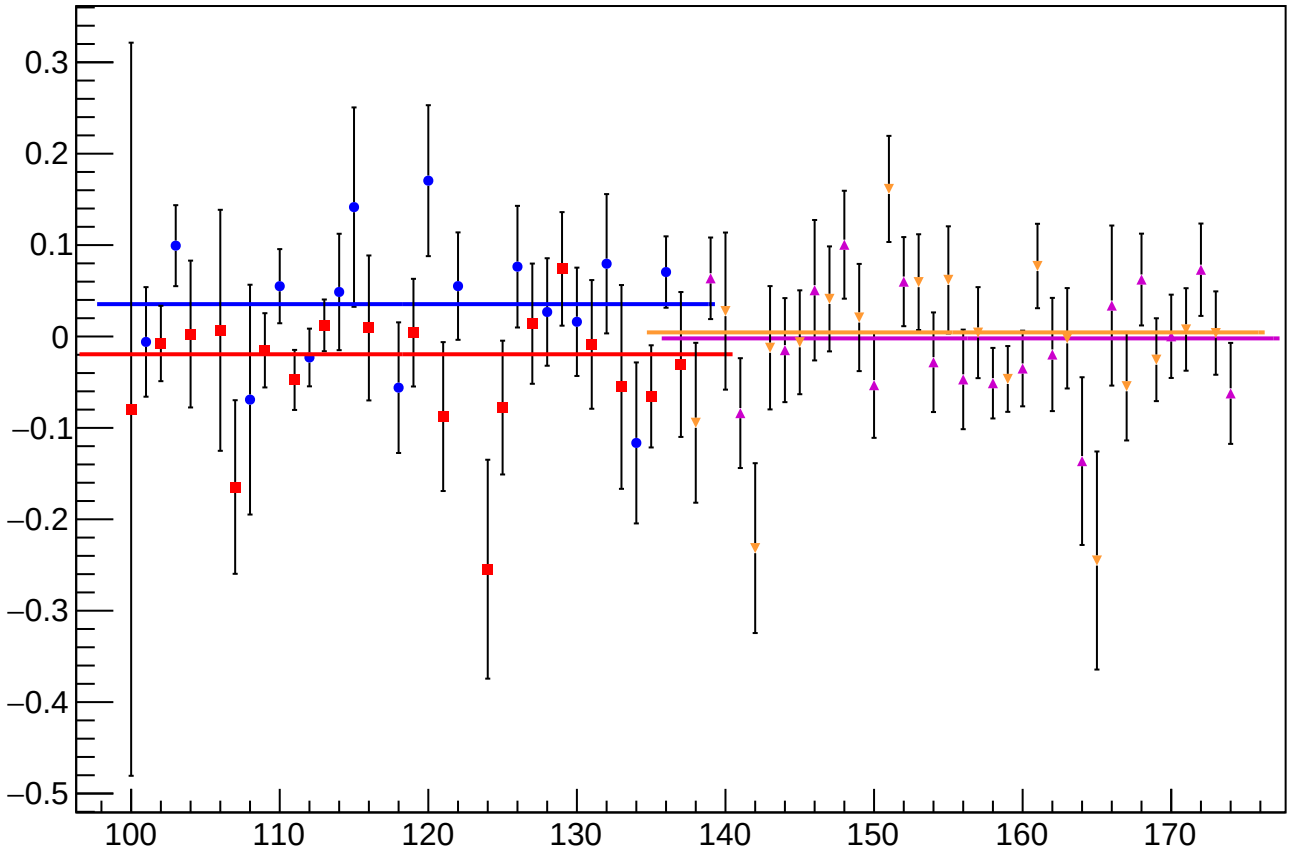
Left: 46.401+/-0.006 χ^2/NDF: 2076120.8/36

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.912+/-0.007 χ^2/NDF:2706858.8/33

Out: 39.700+/-0.006 χ^2/NDF:4228471.7/37

All: 40.291+/-0.005 χ^2/NDF: 6952611.3/71



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.0/18

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.013 χ^2/NDF:20.6/17

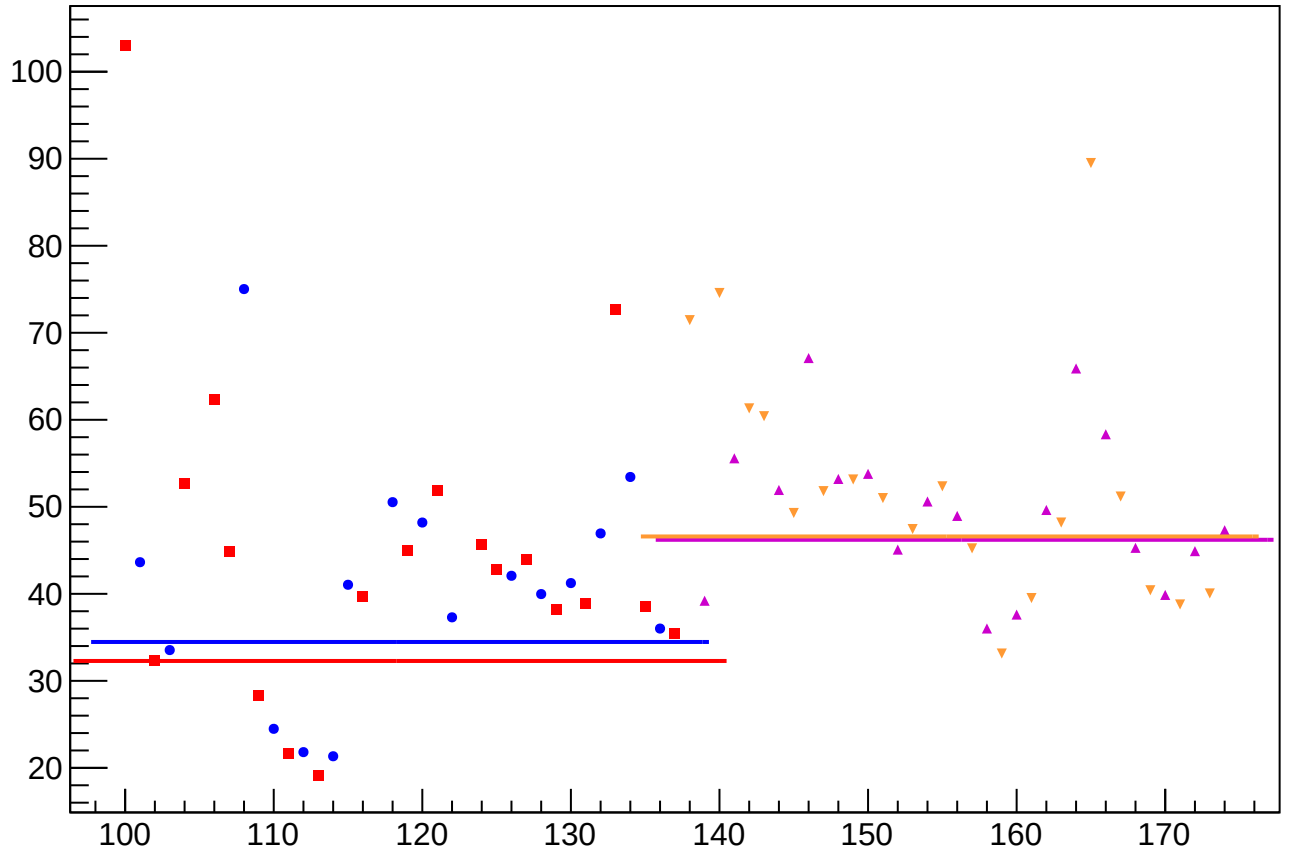
Left: 0.001+/-0.009 χ^2/NDF: 48.7/36

Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:41.5/33

Out: -0.007+/-0.009 χ^2/NDF:43.1/37

All: 0.004+/-0.007 χ^2/NDF: 87.5/71



Right In: 34.468+/-0.010 χ^2/NDF: 1171203.3/15

Left Out: 46.592+/-0.009 χ^2/NDF:1323790.5/18

Right Out: 32.285+/-0.009 χ^2/NDF: 1672637.0/18

Left In: 46.210+/-0.009 χ^2/NDF:751415.2/17

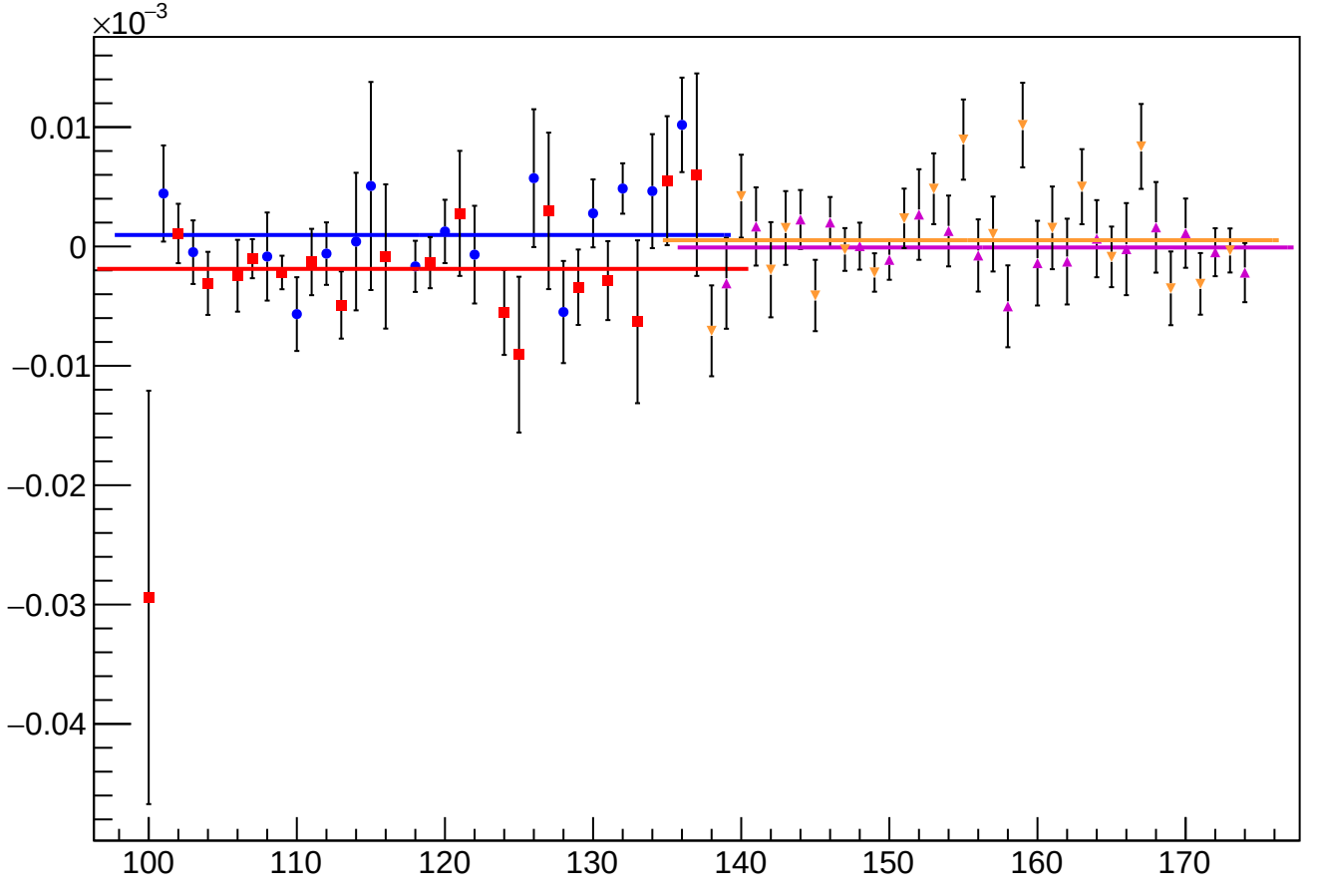
Left: 46.401+/-0.006 χ^2/NDF: 2076120.8/36

Right: 33.314+/-0.007 χ^2/NDF: 2869944.8/34

In: 40.912+/-0.007 χ^2/NDF:2706858.8/33

Out: 39.700+/-0.006 χ^2/NDF:4228471.7/37

All: 40.291+/-0.005 χ^2/NDF: 6952611.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:38.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 12.9/18

Left In: -0.000+/-0.000 χ^2/NDF:7.4/17

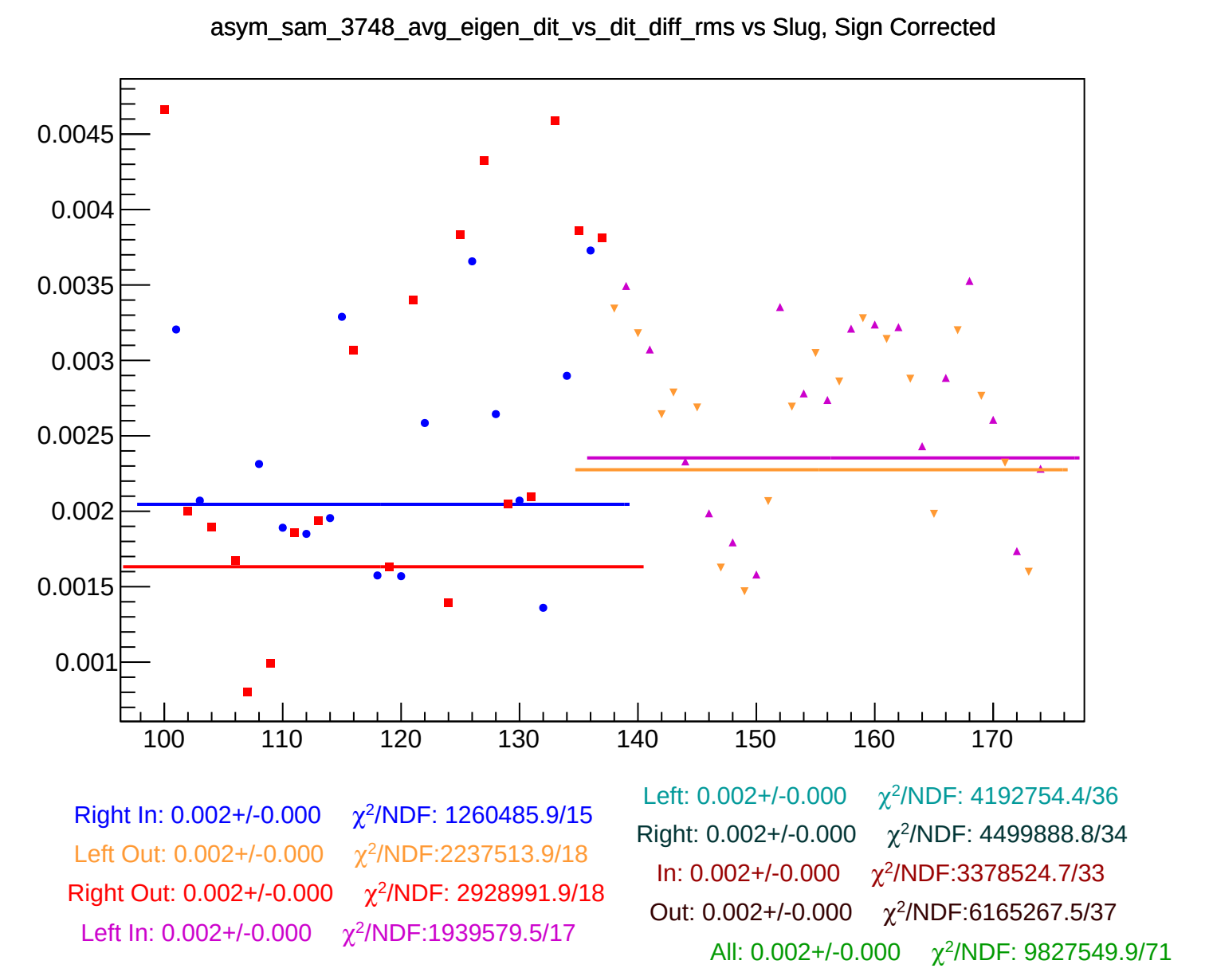
Left: 0.000+/-0.000 χ^2/NDF: 46.5/36

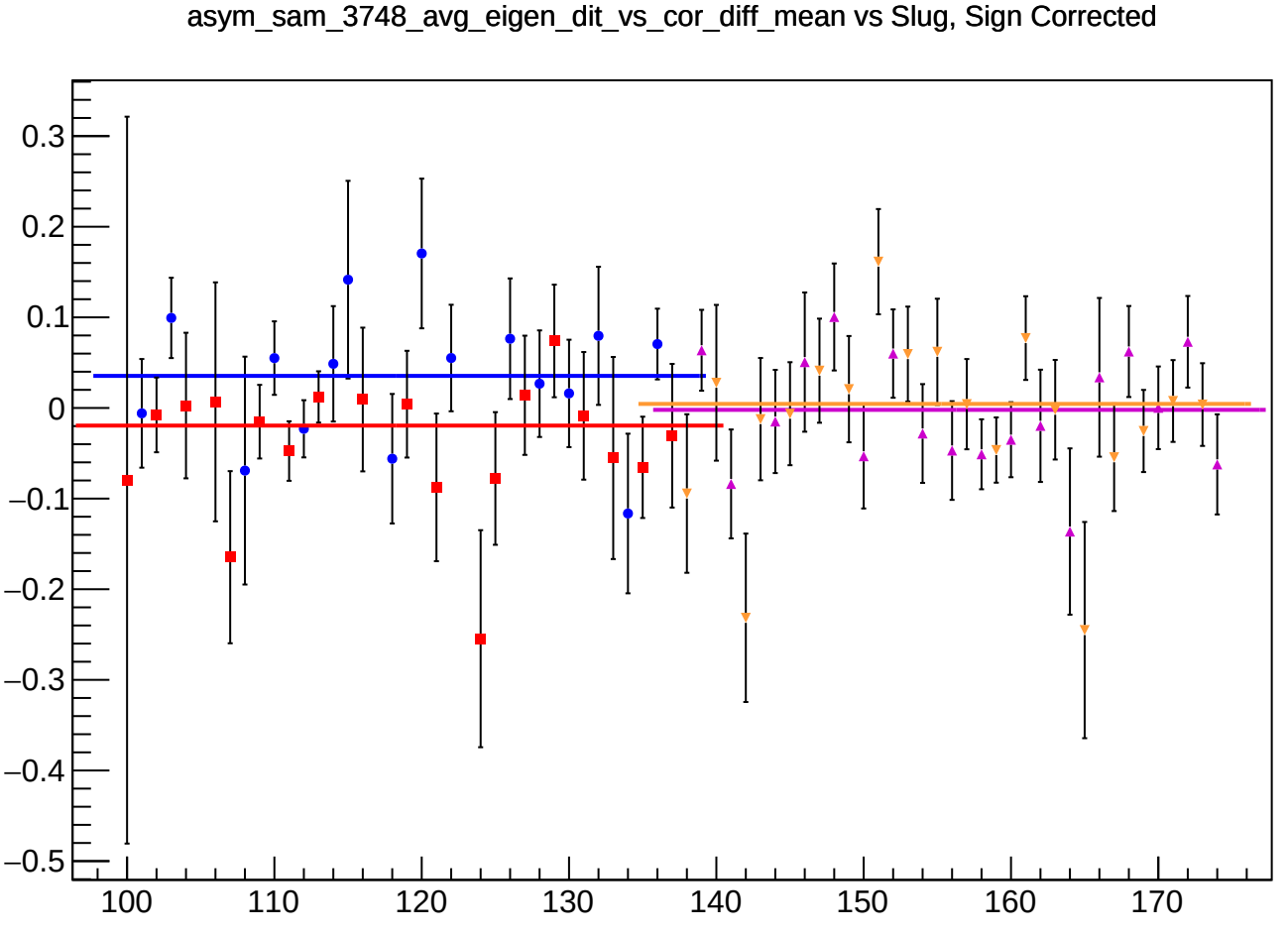
Right: -0.000+/-0.000 χ^2/NDF: 41.1/34

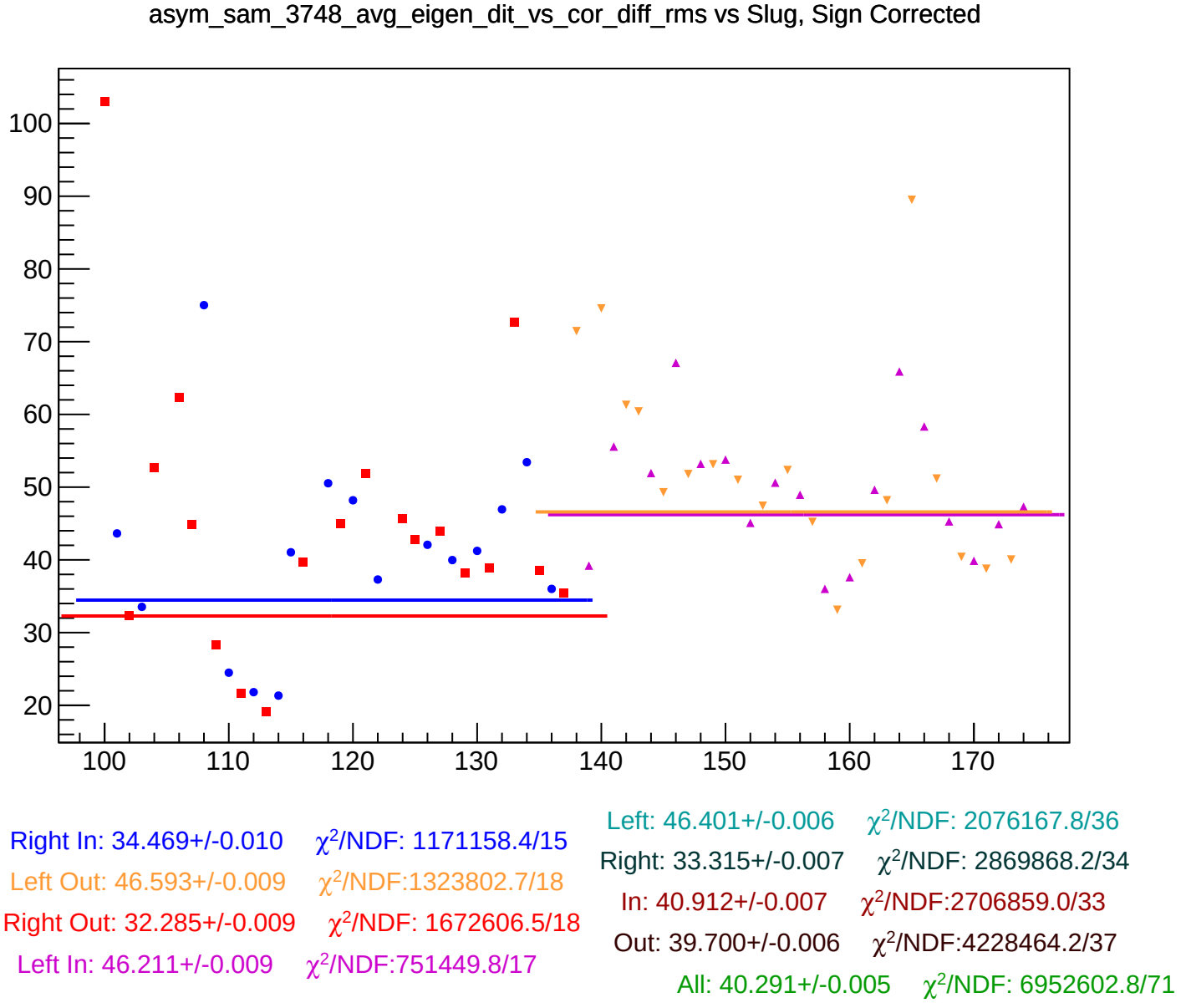
In: 0.000+/-0.000 χ^2/NDF:29.4/33

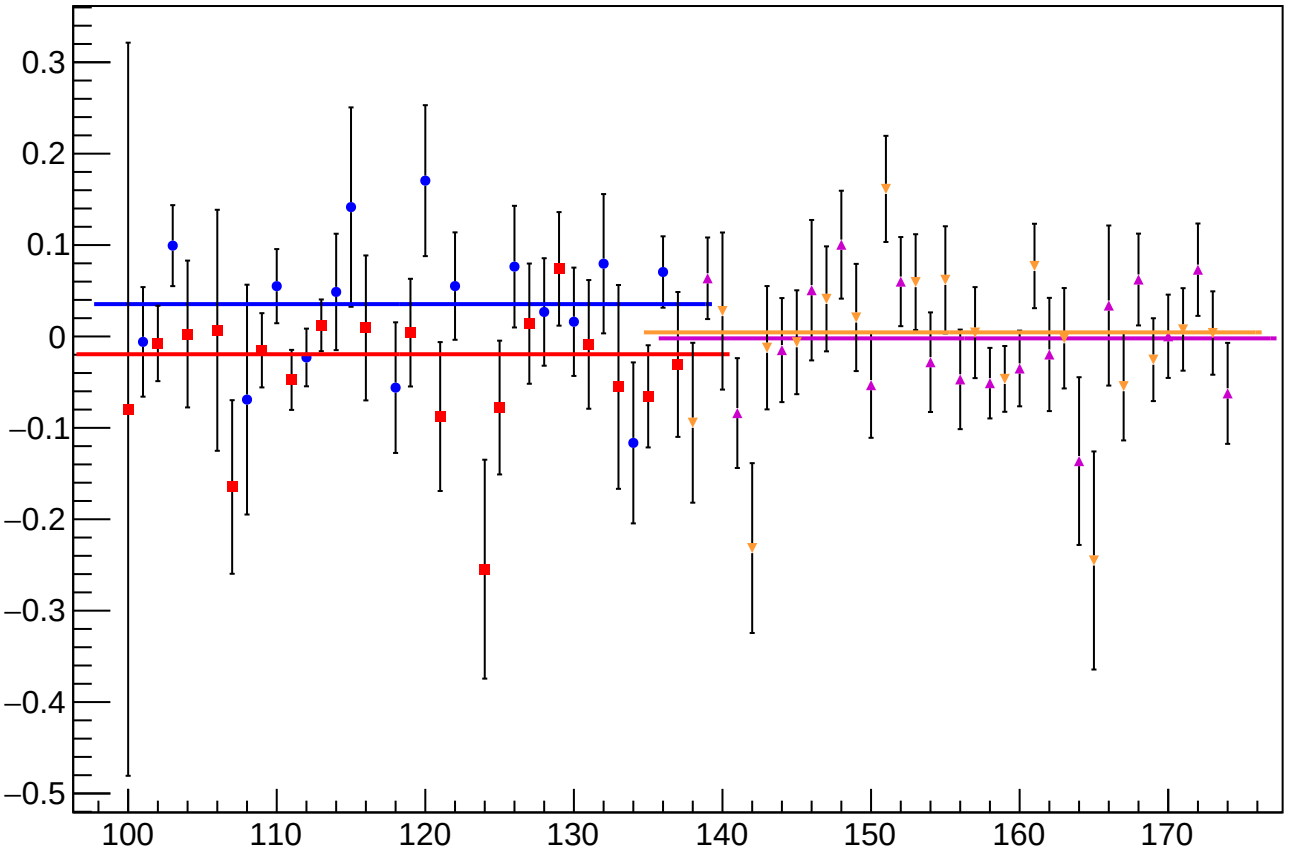
Out: -0.000+/-0.000 χ^2/NDF:58.5/37

All: -0.000+/-0.000 χ^2/NDF: 89.6/71


asym_sam_3748_avg_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: 0.002+/-0.000 χ²/NDF: 1260485.9/15
Left Out: 0.002+/-0.000 χ²/NDF:2237513.9/18
Right Out: 0.002+/-0.000 χ²/NDF: 2928991.9/18
Left In: 0.002+/-0.000 χ²/NDF:1939579.5/17
Left: 0.002+/-0.000 χ²/NDF: 4192754.4/36
Right: 0.002+/-0.000 χ²/NDF: 4499888.8/34
In: 0.002+/-0.000 χ²/NDF:3378524.7/33
Out: 0.002+/-0.000 χ²/NDF:6165267.5/37
All: 0.002+/-0.000 χ²/NDF: 9827549.9/71


asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.035+/-0.014 χ²/NDF: 16.9/15
Left Out: 0.004+/-0.013 χ²/NDF:28.0/18
Right Out: -0.019+/-0.013 χ²/NDF: 13.4/18
Left In: -0.002+/-0.013 χ²/NDF:20.6/17
Left: 0.001+/-0.009 χ²/NDF: 48.7/36
Right: 0.006+/-0.010 χ²/NDF: 38.6/34
In: 0.015+/-0.009 χ²/NDF:41.5/33
Out: -0.007+/-0.009 χ²/NDF:43.1/37
All: 0.004+/-0.007 χ²/NDF: 87.5/71


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: 46.593+/-0.009 χ²/NDF:1323802.7/18
Right Out: 32.285+/-0.009 χ²/NDF: 1672606.5/18
Left In: 46.211+/-0.009 χ²/NDF:751449.8/17
Left: 46.401+/-0.006 χ²/NDF: 2076167.8/36
Right: 33.315+/-0.007 χ²/NDF: 2869868.2/34
In: 40.912+/-0.007 χ²/NDF:2706859.0/33
Out: 39.700+/-0.006 χ²/NDF:4228464.2/37
All: 40.291+/-0.005 χ²/NDF: 6952602.8/71



Right In: 0.035+/-0.014 χ^2/NDF: 16.9/15

Left Out: 0.004+/-0.013 χ^2/NDF:28.0/18

Right Out: -0.019+/-0.013 χ^2/NDF: 13.4/18

Left In: -0.002+/-0.013 χ^2/NDF:20.6/17

Left: 0.001+/-0.009 χ^2/NDF: 48.7/36

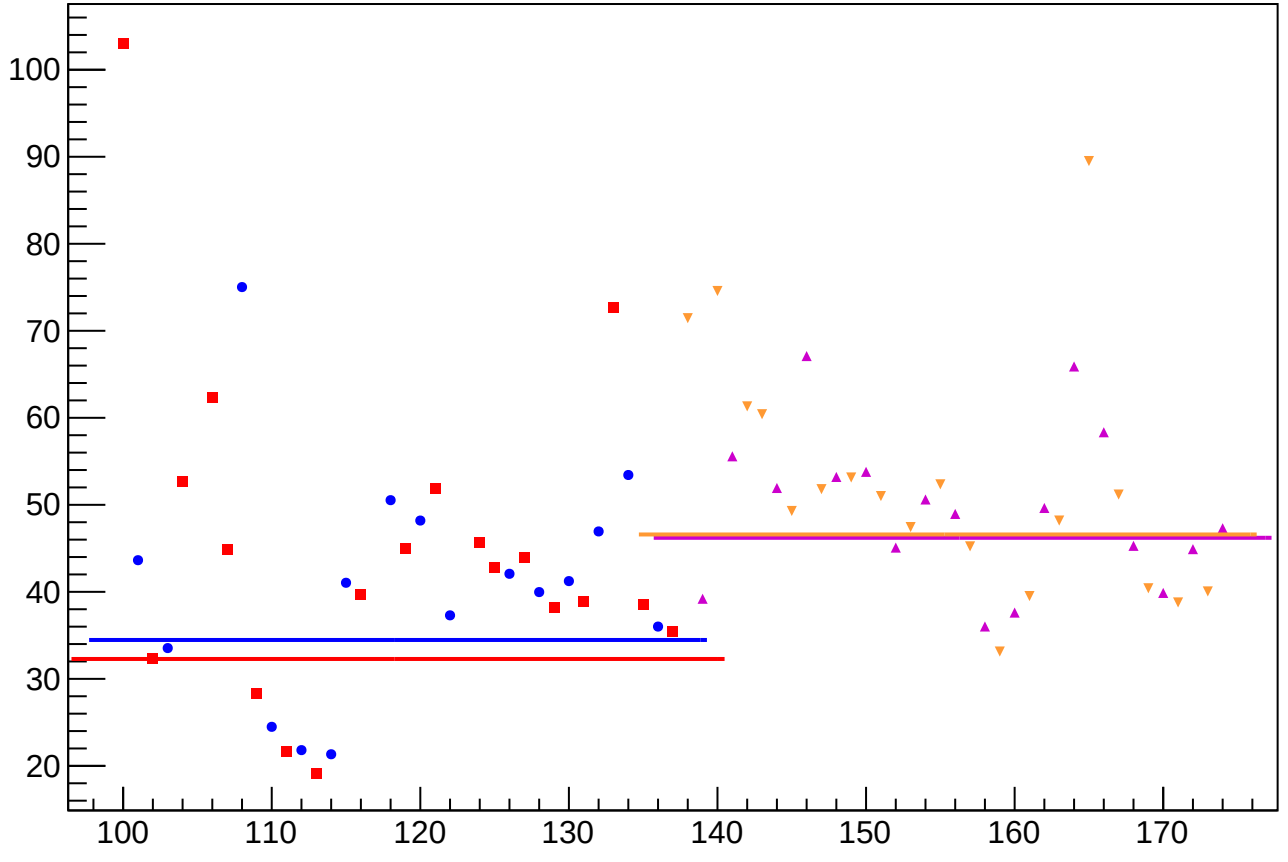
Right: 0.006+/-0.010 χ^2/NDF: 38.6/34

In: 0.015+/-0.009 χ^2/NDF:41.5/33

Out: -0.007+/-0.009 χ^2/NDF:43.1/37

All: 0.004+/-0.007 χ^2/NDF: 87.5/71

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.469+/-0.010 χ^2/NDF: 1171158.4/15

Left Out: 46.593+/-0.009 χ^2/NDF:1323802.7/18

Right Out: 32.285+/-0.009 χ^2/NDF: 1672606.5/18

Left In: 46.211+/-0.009 χ^2/NDF:751449.8/17

Left: 46.401+/-0.006 χ^2/NDF: 2076167.8/36

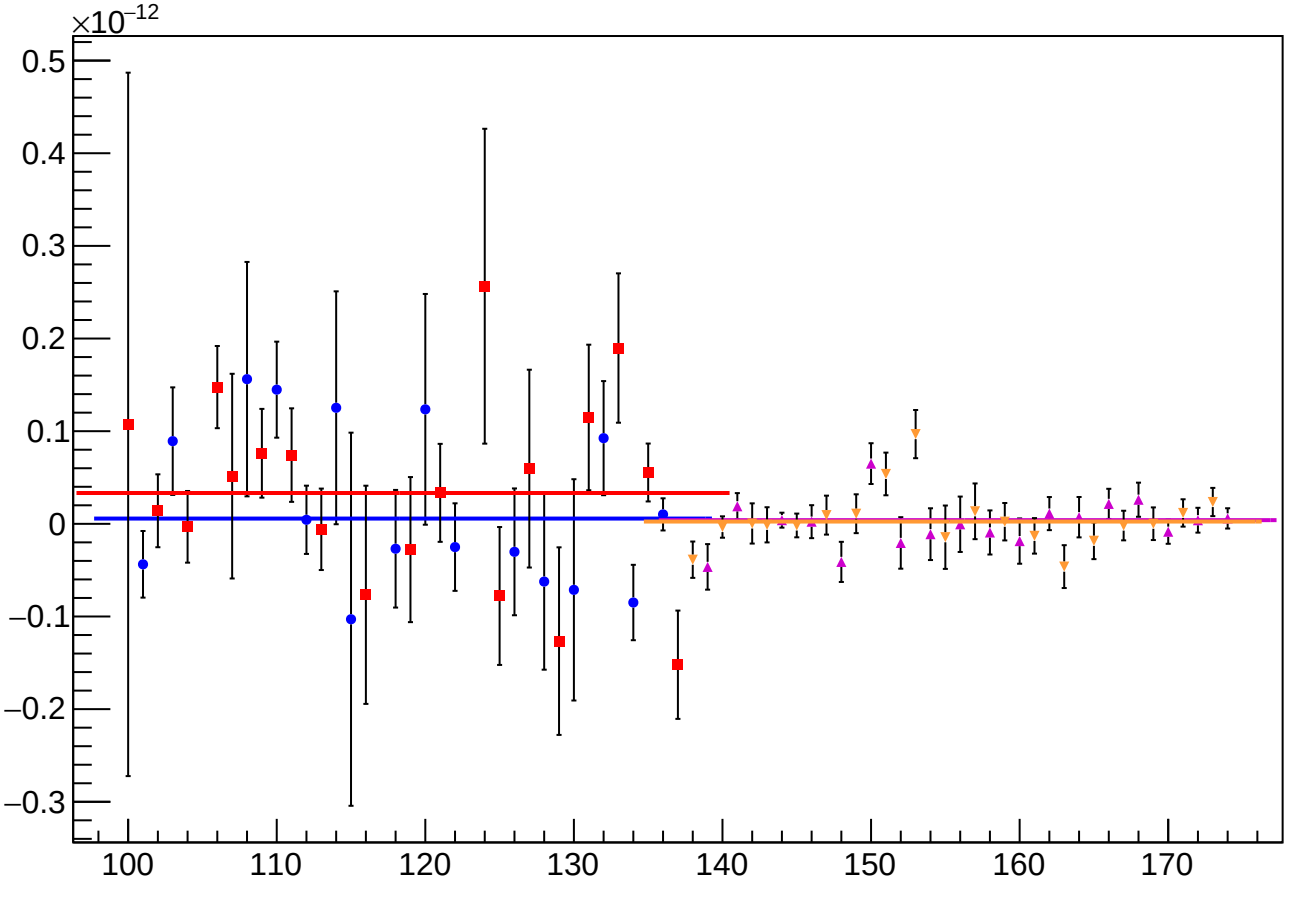
Right: 33.315+/-0.007 χ^2/NDF: 2869868.2/34

In: 40.912+/-0.007 χ^2/NDF:2706859.0/33

Out: 39.700+/-0.006 χ^2/NDF:4228464.2/37

All: 40.291+/-0.005 χ^2/NDF: 6952602.8/71

asym_sam_3748_avg_eigen_cor_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:32.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/18

Left In: 0.000+/-0.000 χ^2/NDF:23.3/17

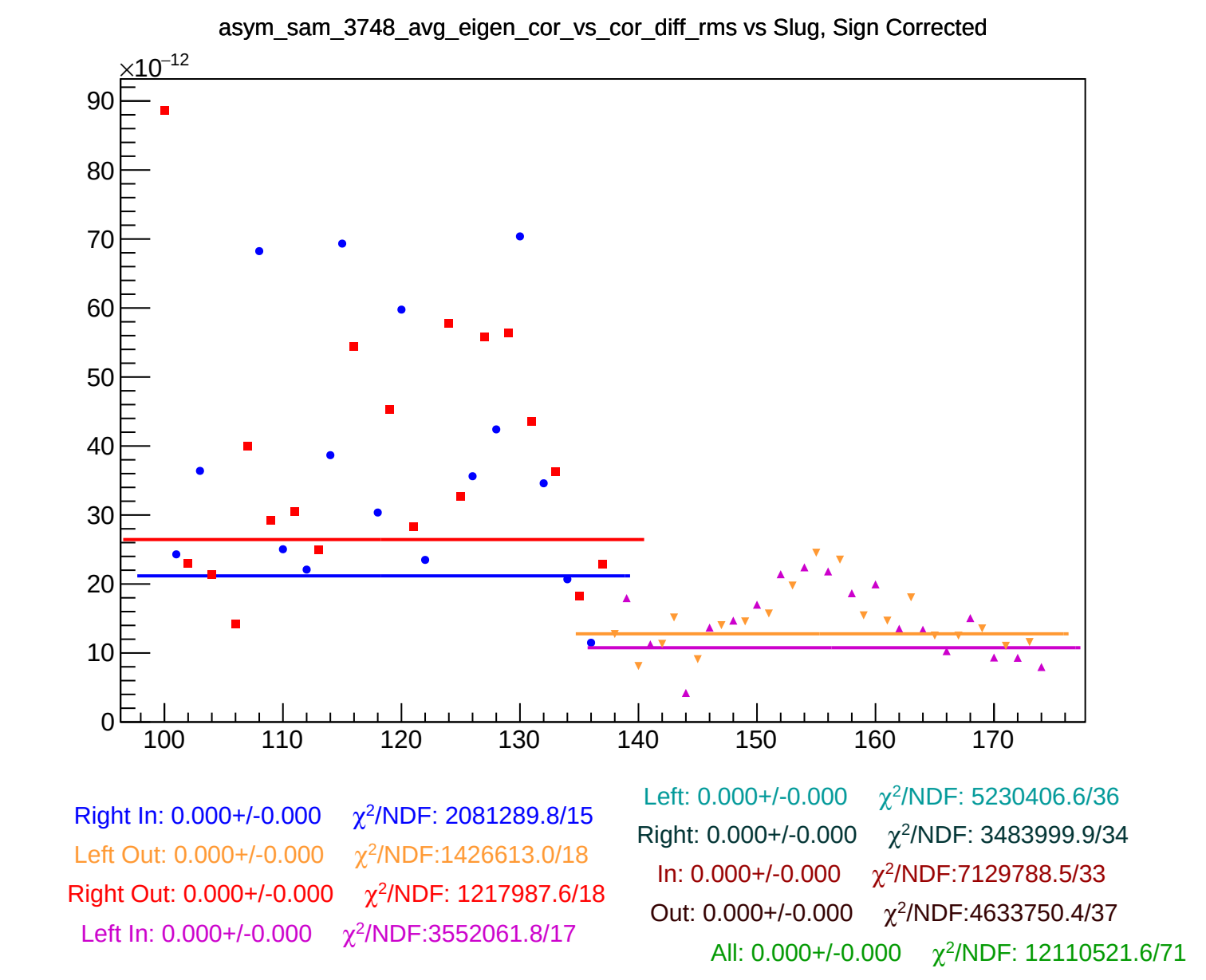
Left: 0.000+/-0.000 χ^2/NDF: 55.6/36

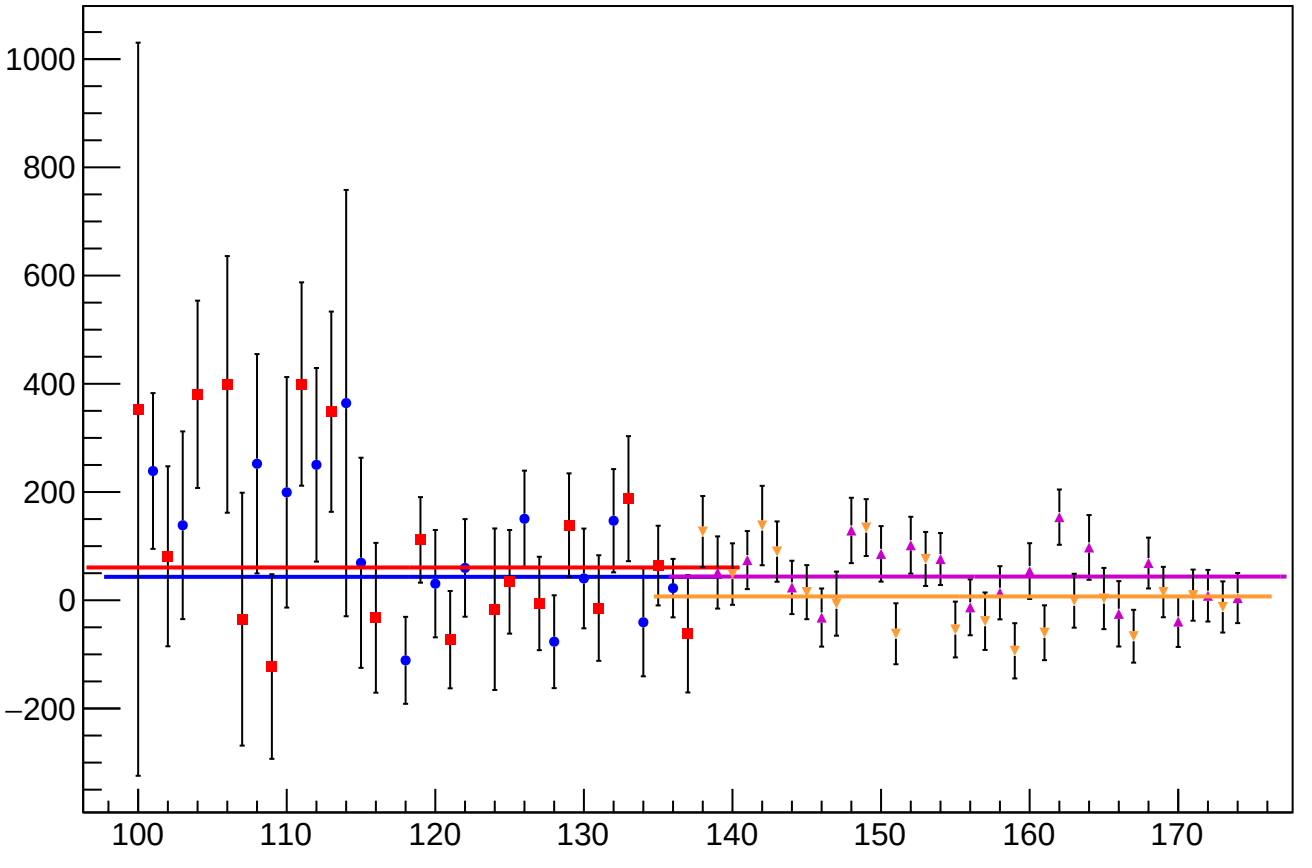
Right: 0.000+/-0.000 χ^2/NDF: 59.6/34

In: 0.000+/-0.000 χ^2/NDF:46.9/33

Out: 0.000+/-0.000 χ^2/NDF:70.7/37

All: 0.000+/-0.000 χ^2/NDF: 117.7/71


asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
90
80
70
60
50
40
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2081289.8/15
Left Out: 0.000+/-0.000 χ²/NDF:1426613.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 1217987.6/18
Left In: 0.000+/-0.000 χ²/NDF:3552061.8/17
Left: 0.000+/-0.000 χ²/NDF: 5230406.6/36
Right: 0.000+/-0.000 χ²/NDF: 3483999.9/34
In: 0.000+/-0.000 χ²/NDF:7129788.5/33
Out: 0.000+/-0.000 χ²/NDF:4633750.4/37
All: 0.000+/-0.000 χ²/NDF: 12110521.6/71



Right In: 43.247+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: 60.582+/-26.894 χ^2/NDF: 20.4/18

Left In: 43.781+/-12.220 χ^2/NDF:19.9/17

Left: 25.248+/-8.605 χ^2/NDF: 53.3/36

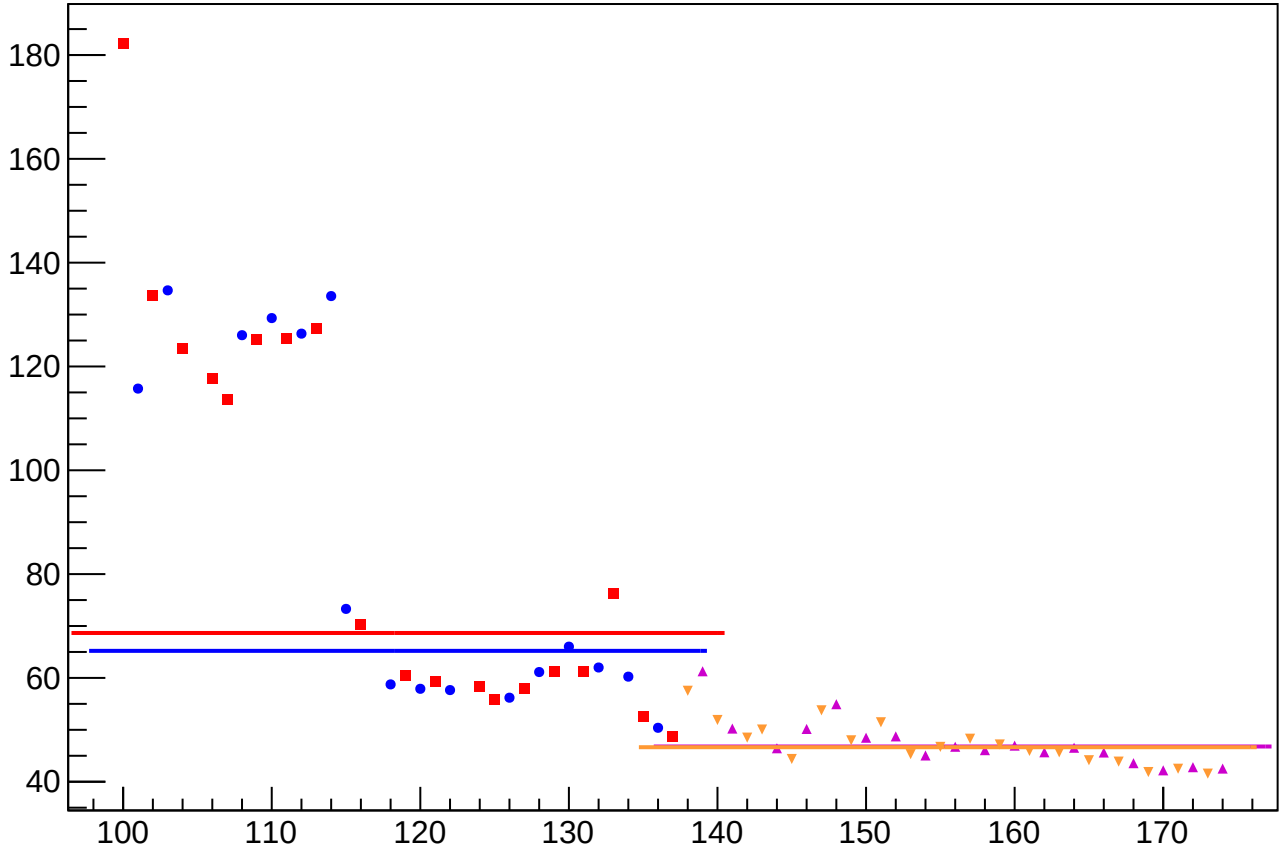
Right: 51.548+/-18.611 χ^2/NDF: 35.6/34

In: 43.683+/-11.042 χ^2/NDF:34.8/33

Out: 16.060+/-11.049 χ^2/NDF:52.6/37

All: 29.880+/-7.811 χ^2/NDF: 90.6/71

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 65.212+/-0.018 χ^2/NDF: 1446504.6/15

Left Out: 46.648+/-0.009 χ^2/NDF:203980.8/18

Right Out: 68.656+/-0.019 χ^2/NDF: 1640900.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.4/17

Left: 46.717+/-0.006 χ^2/NDF: 420298.9/36

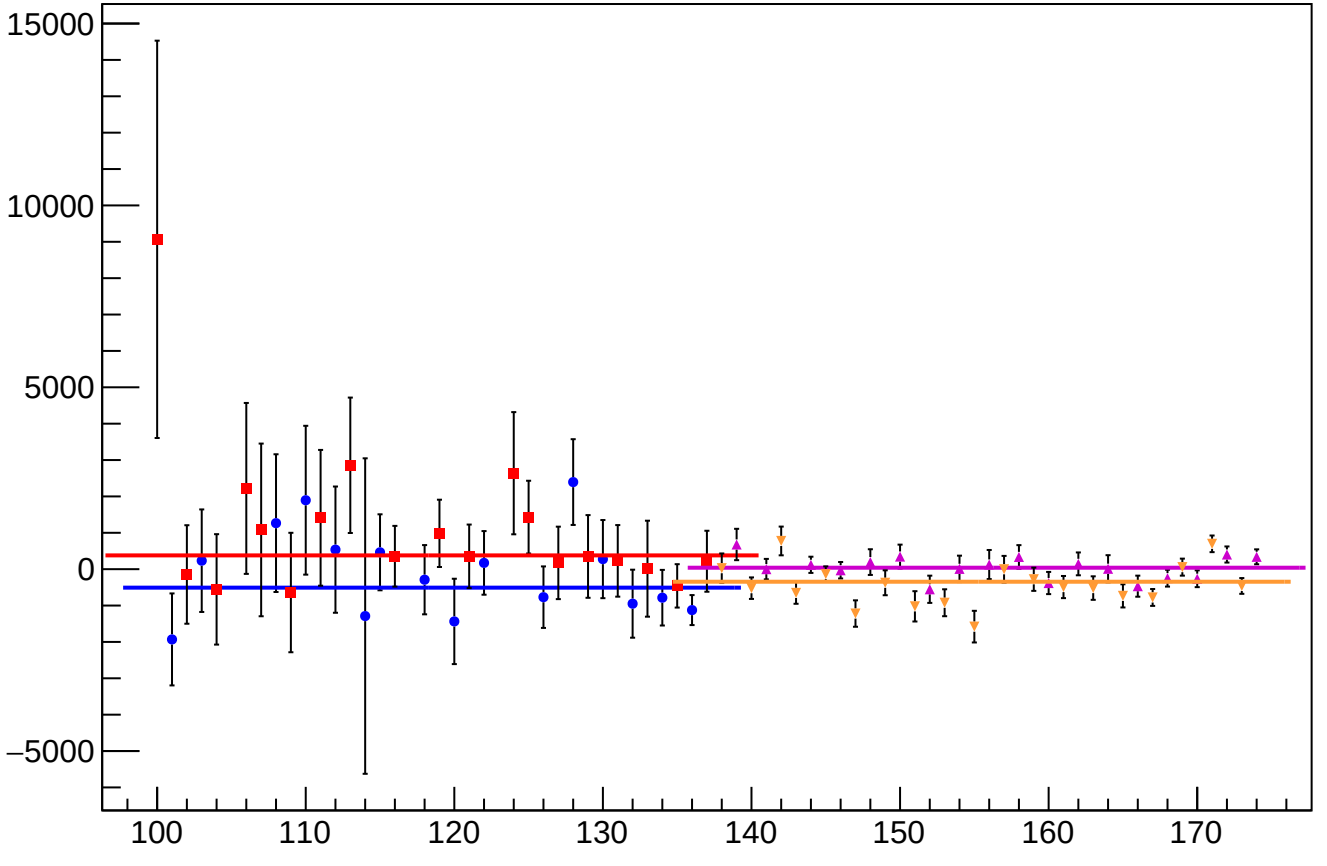
Right: 66.862+/-0.013 χ^2/NDF: 3104495.7/34

In: 50.167+/-0.008 χ^2/NDF:2496918.9/33

Out: 50.363+/-0.008 χ^2/NDF:2958098.9/37

All: 50.265+/-0.006 χ^2/NDF: 5455333.1/71

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -507.928+/-236.945 χ^2/NDF: 15.6/15

Left Out: -345.240+/-67.966 χ^2/NDF:60.6/18

Right Out: 378.892+/-256.407 χ^2/NDF: 11.7/18

Left In: 39.944+/-66.363 χ^2/NDF:20.1/17

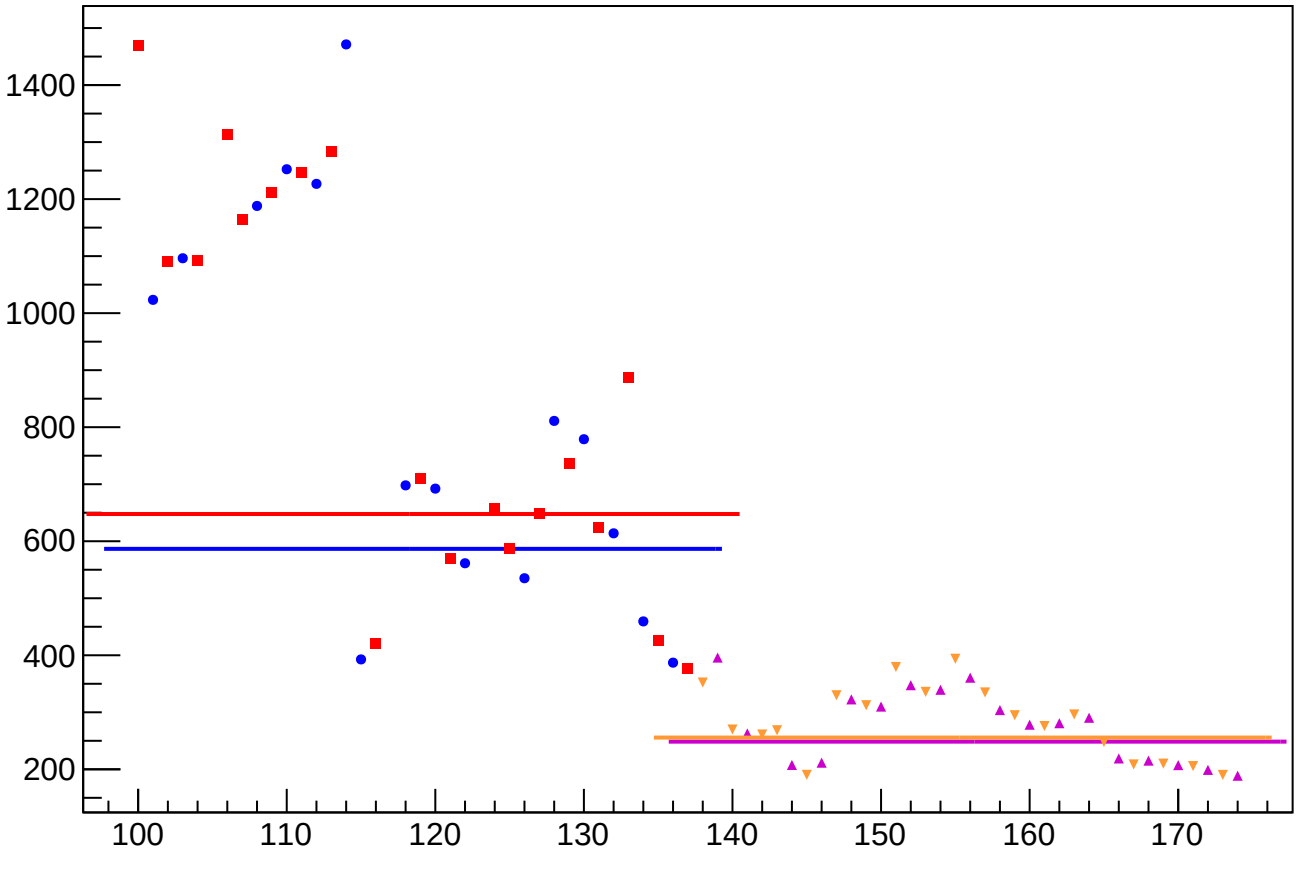
Left: -148.053+/-47.482 χ^2/NDF: 97.2/36

Right: -99.449+/-174.019 χ^2/NDF: 33.8/34

In: 0.093+/-63.904 χ^2/NDF:40.7/33

Out: -297.702+/-65.697 χ^2/NDF:79.8/37

All: -144.685+/-45.808 χ^2/NDF: 131.1/71



Right In: 586.645+/-0.168 χ^2/NDF: 2053133.2/15

Left Out: 255.663+/-0.048 χ^2/NDF:1523533.1/18

Right Out: 647.736+/-0.181 χ^2/NDF: 2105638.0/18

Left In: 248.525+/-0.047 χ^2/NDF:1459861.9/17

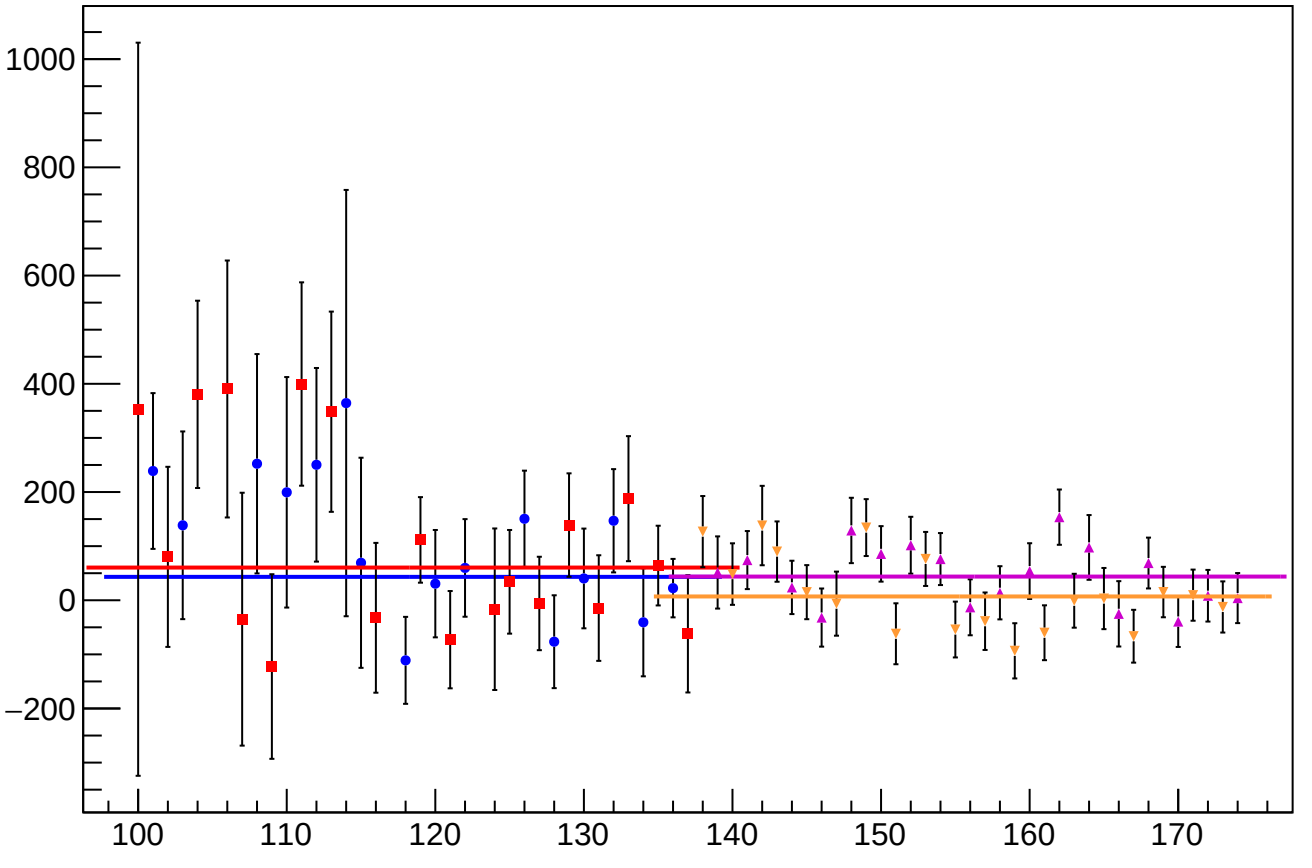
Left: 252.009+/-0.034 χ^2/NDF: 2994690.8/36

Right: 614.784+/-0.123 χ^2/NDF: 4220010.2/34

In: 273.119+/-0.045 χ^2/NDF:7289430.4/33

Out: 281.403+/-0.046 χ^2/NDF:7998483.7/37

All: 277.146+/-0.032 χ^2/NDF: 15304253.2/71



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 43.779+/-12.220 χ^2/NDF:19.9/17

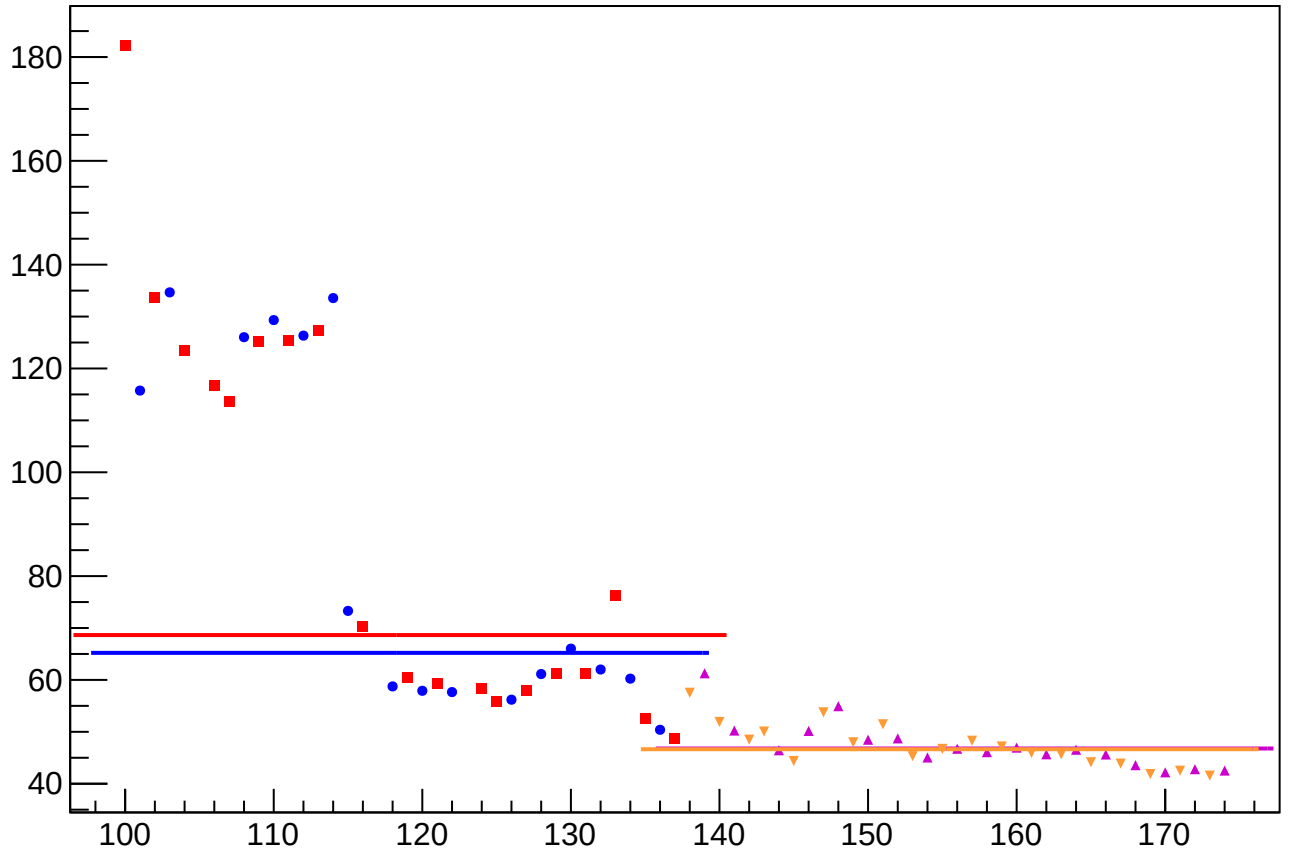
Left: 25.248+/-8.605 χ^2/NDF: 53.3/36

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.680+/-11.042 χ^2/NDF:34.8/33

Out: 16.035+/-11.049 χ^2/NDF:52.5/37

All: 29.866+/-7.811 χ^2/NDF: 90.4/71



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.648+/-0.009 χ^2/NDF:203980.8/18

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

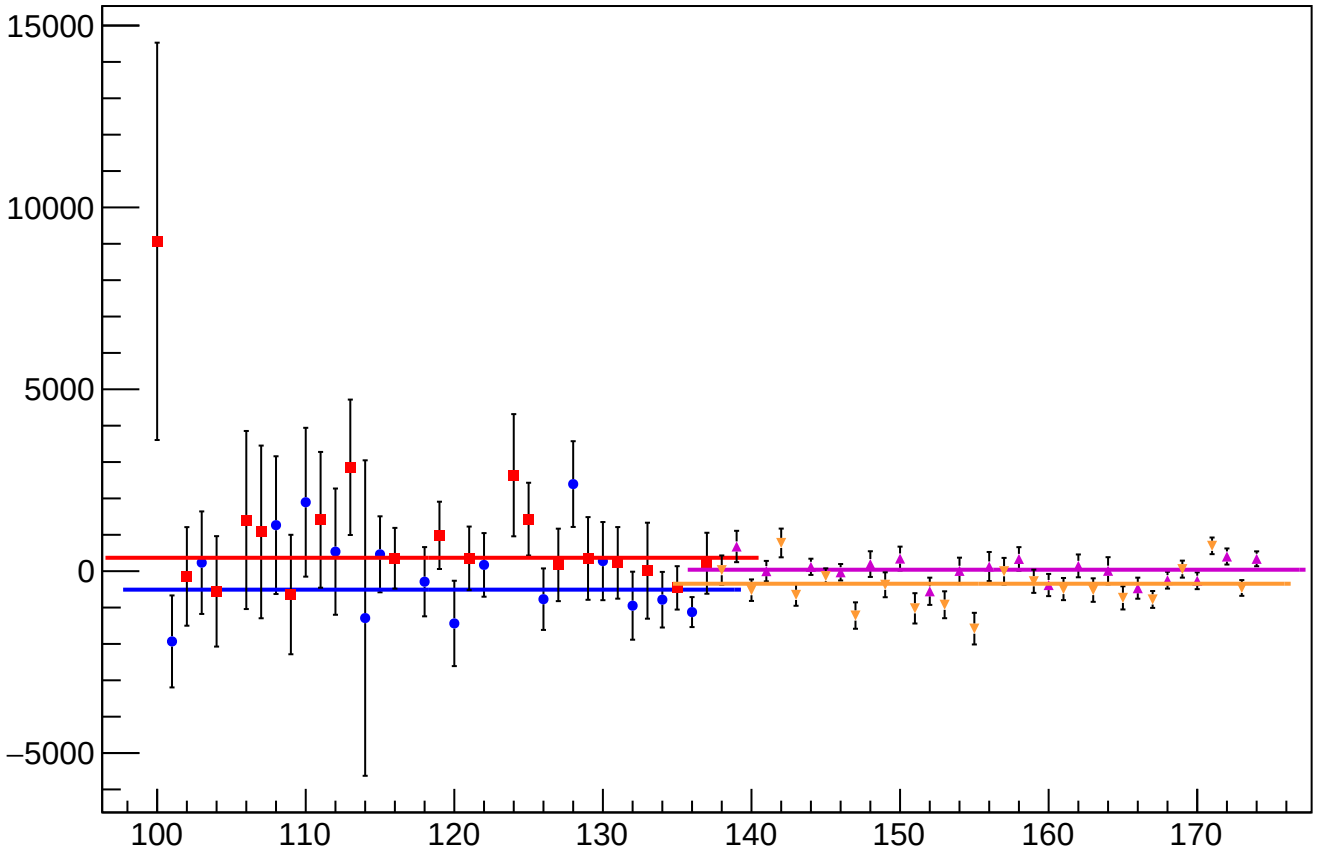
Left: 46.717+/-0.006 χ^2/NDF: 420298.9/36

Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.167+/-0.008 χ^2/NDF:2496920.9/33

Out: 50.360+/-0.008 χ^2/NDF:2953245.0/37

All: 50.264+/-0.006 χ^2/NDF: 5450472.9/71



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -345.238+/-67.965 χ^2/NDF:60.6/18

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 39.942+/-66.363 χ^2/NDF:20.1/17

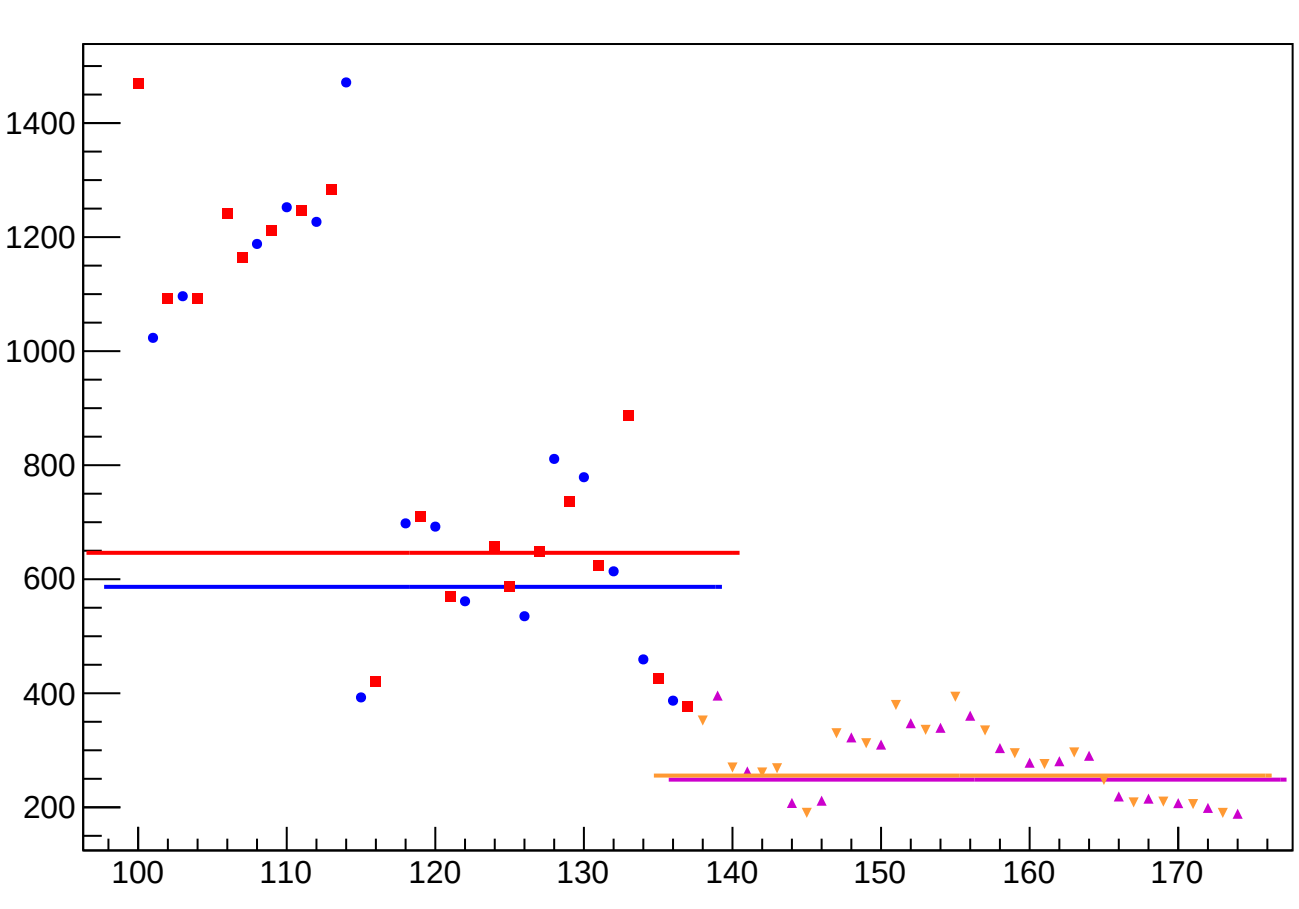
Left: -148.053+/-47.482 χ^2/NDF: 97.2/36

Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 0.092+/-63.904 χ^2/NDF:40.7/33

Out: -298.436+/-65.699 χ^2/NDF:79.2/37

All: -145.038+/-45.808 χ^2/NDF: 130.4/71



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 255.663+/-0.048 χ^2/NDF:1523542.0/18

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

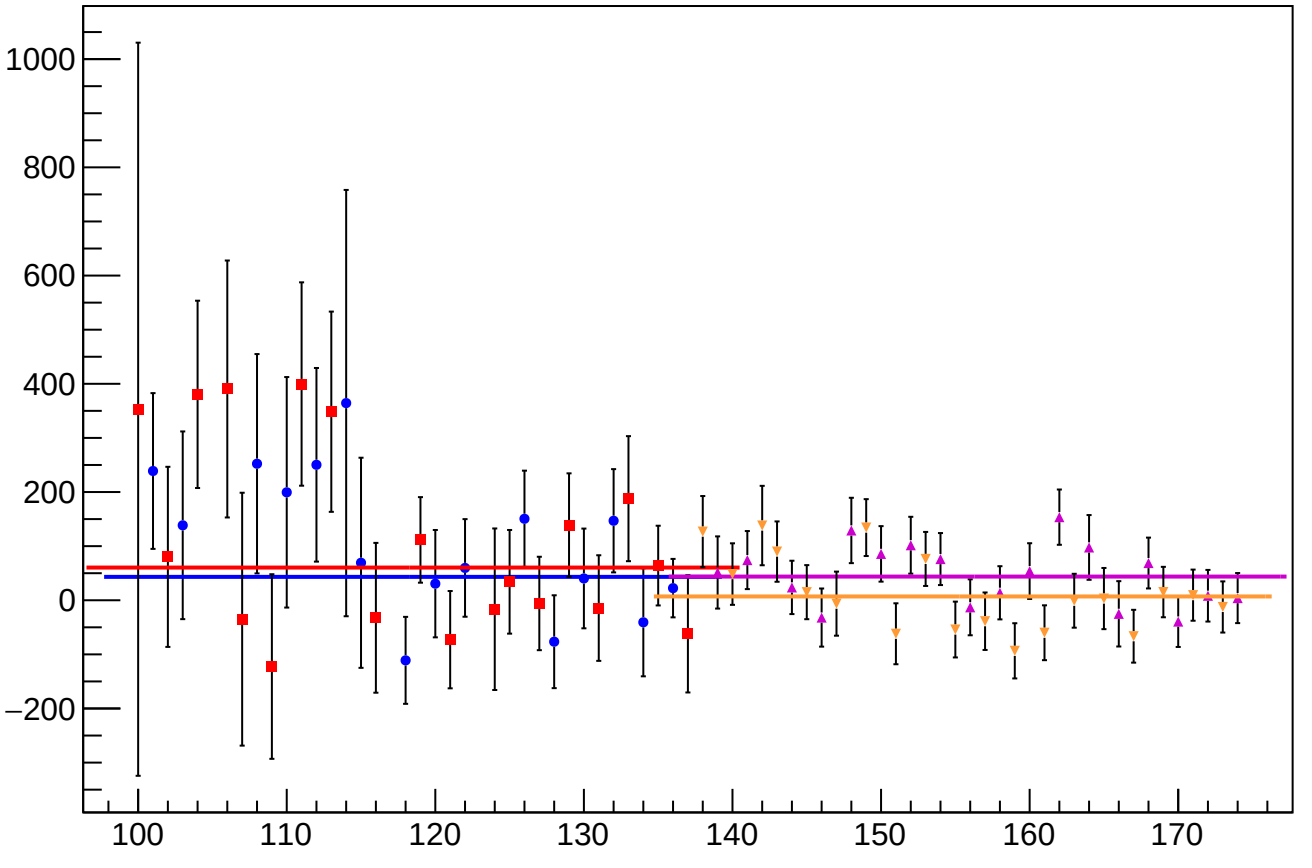
Left: 252.009+/-0.034 χ^2/NDF: 2994694.5/36

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 273.119+/-0.045 χ^2/NDF:7289444.8/33

Out: 281.286+/-0.046 χ^2/NDF:7920708.9/37

All: 277.089+/-0.032 χ^2/NDF: 15226036.4/71



Right In: 43.239+/-25.781 χ^2/NDF: 15.0/15

Left Out: 7.020+/-12.119 χ^2/NDF:28.9/18

Right Out: 60.432+/-26.895 χ^2/NDF: 20.3/18

Left In: 43.779+/-12.220 χ^2/NDF:19.9/17

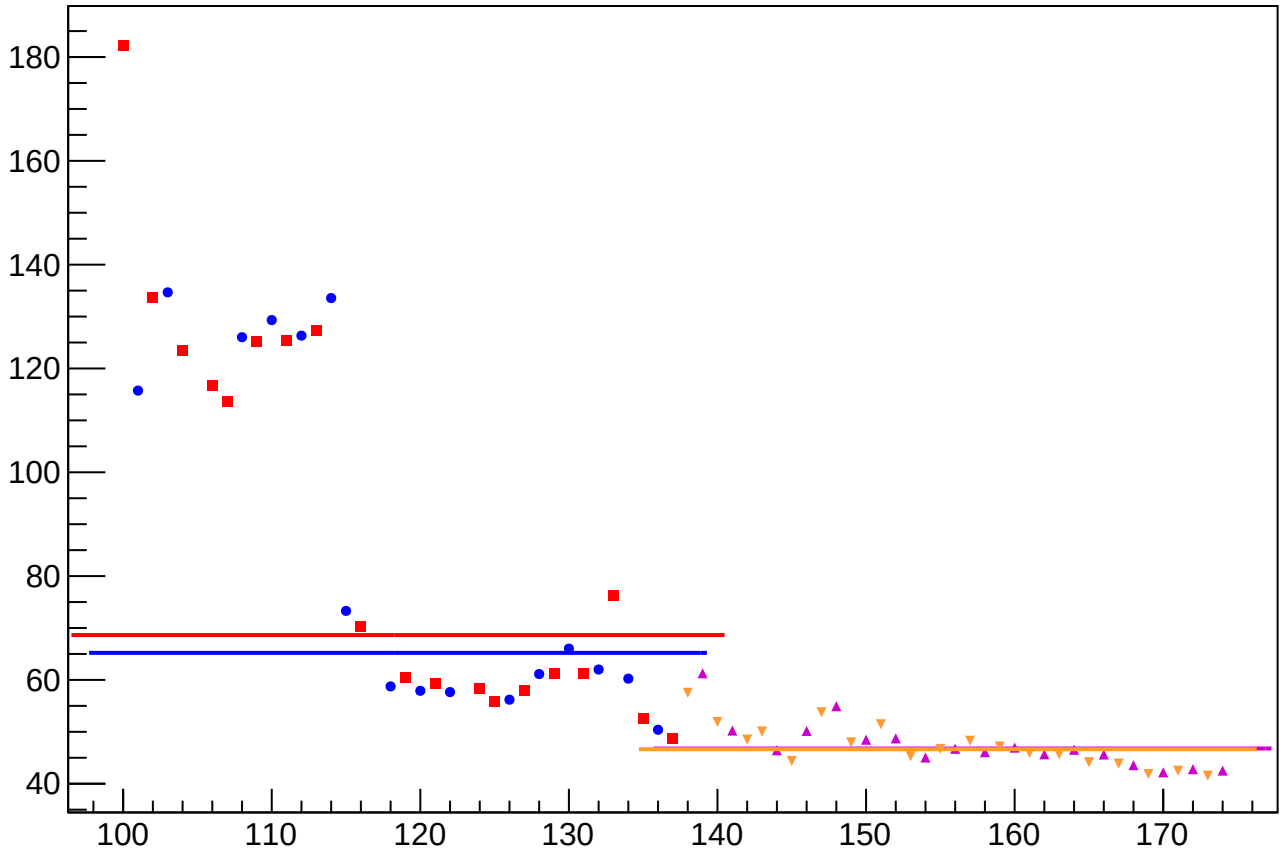
Left: 25.248+/-8.605 χ^2/NDF: 53.3/36

Right: 51.472+/-18.611 χ^2/NDF: 35.5/34

In: 43.680+/-11.042 χ^2/NDF:34.8/33

Out: 16.035+/-11.049 χ^2/NDF:52.5/37

All: 29.866+/-7.811 χ^2/NDF: 90.4/71



Right In: 65.212+/-0.018 χ^2/NDF: 1446506.9/15

Left Out: 46.648+/-0.009 χ^2/NDF:203980.8/18

Right Out: 68.642+/-0.019 χ^2/NDF: 1637558.1/18

Left In: 46.786+/-0.009 χ^2/NDF:216189.3/17

Left: 46.717+/-0.006 χ^2/NDF: 420298.9/36

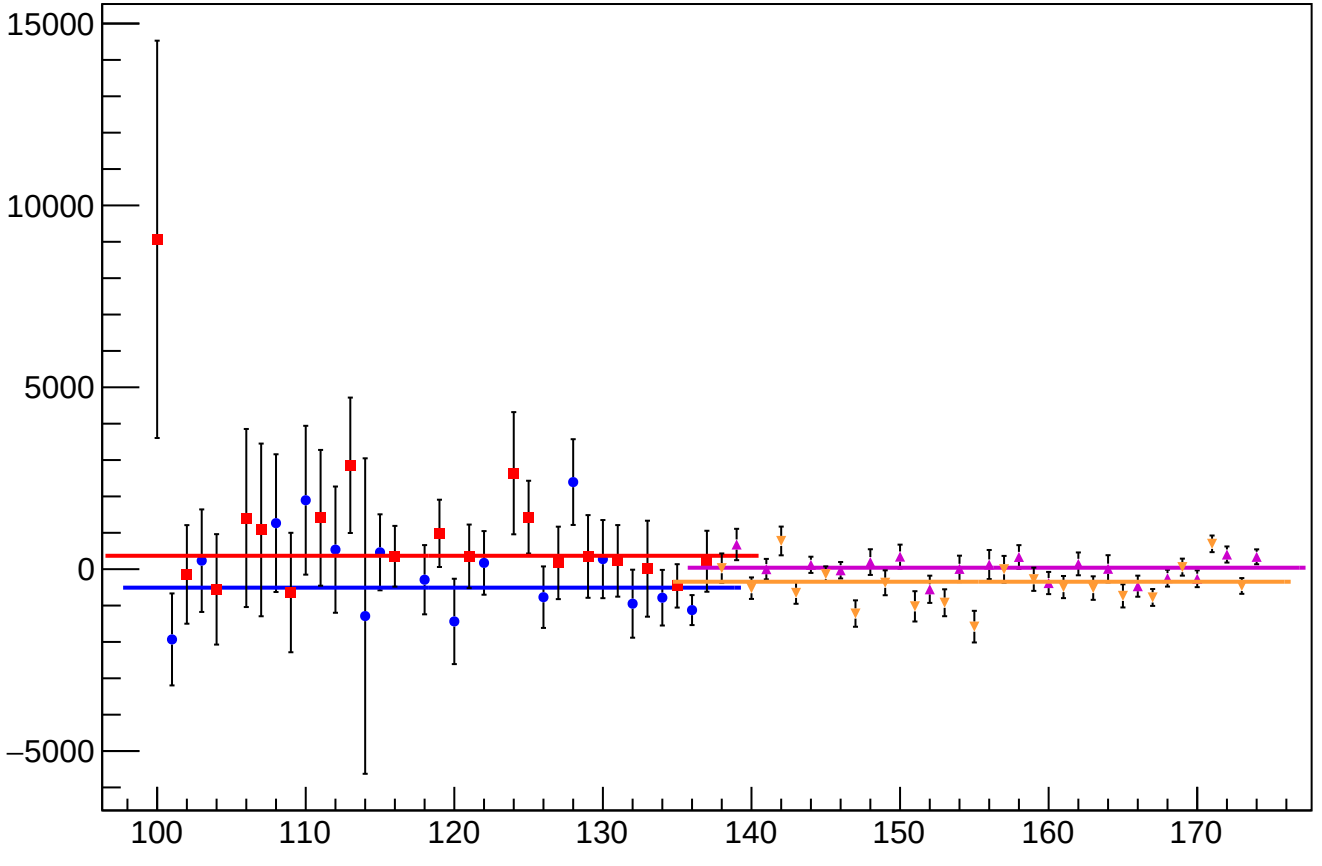
Right: 66.855+/-0.013 χ^2/NDF: 3101012.7/34

In: 50.167+/-0.008 χ^2/NDF:2496920.9/33

Out: 50.360+/-0.008 χ^2/NDF:2953245.0/37

All: 50.264+/-0.006 χ^2/NDF: 5450472.9/71

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -507.911+/-236.945 χ^2/NDF: 15.6/15

Left Out: -345.238+/-67.965 χ^2/NDF:60.6/18

Right Out: 368.334+/-256.534 χ^2/NDF: 11.3/18

Left In: 39.942+/-66.363 χ^2/NDF:20.1/17

Left: -148.053+/-47.482 χ^2/NDF: 97.2/36

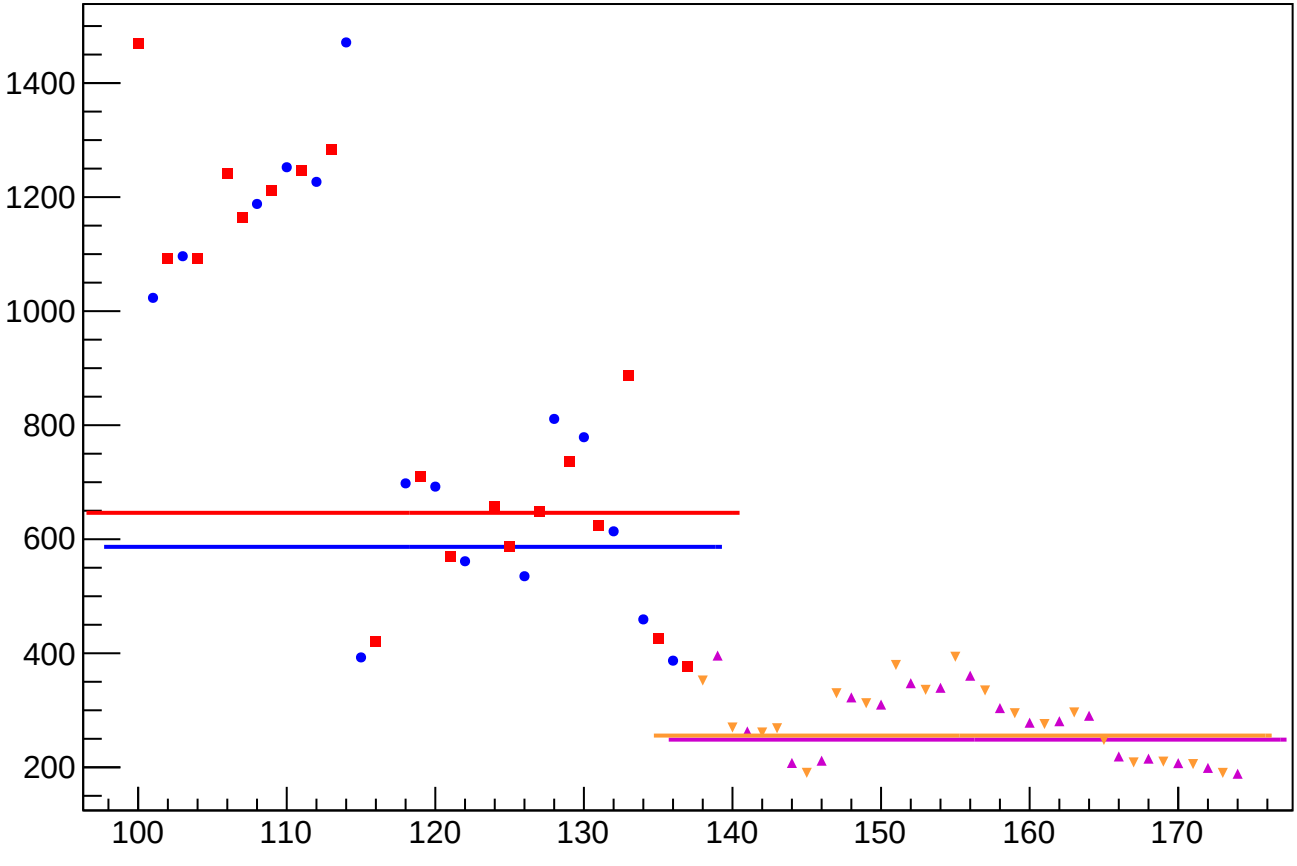
Right: -104.517+/-174.059 χ^2/NDF: 33.2/34

In: 0.092+/-63.904 χ^2/NDF:40.7/33

Out: -298.436+/-65.699 χ^2/NDF:79.2/37

All: -145.038+/-45.808 χ^2/NDF: 130.4/71

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.645+/-0.168 χ^2/NDF: 2053169.7/15

Left Out: 255.663+/-0.048 χ^2/NDF:1523542.0/18

Right Out: 646.328+/-0.181 χ^2/NDF: 2063185.3/18

Left In: 248.525+/-0.047 χ^2/NDF:1459857.6/17

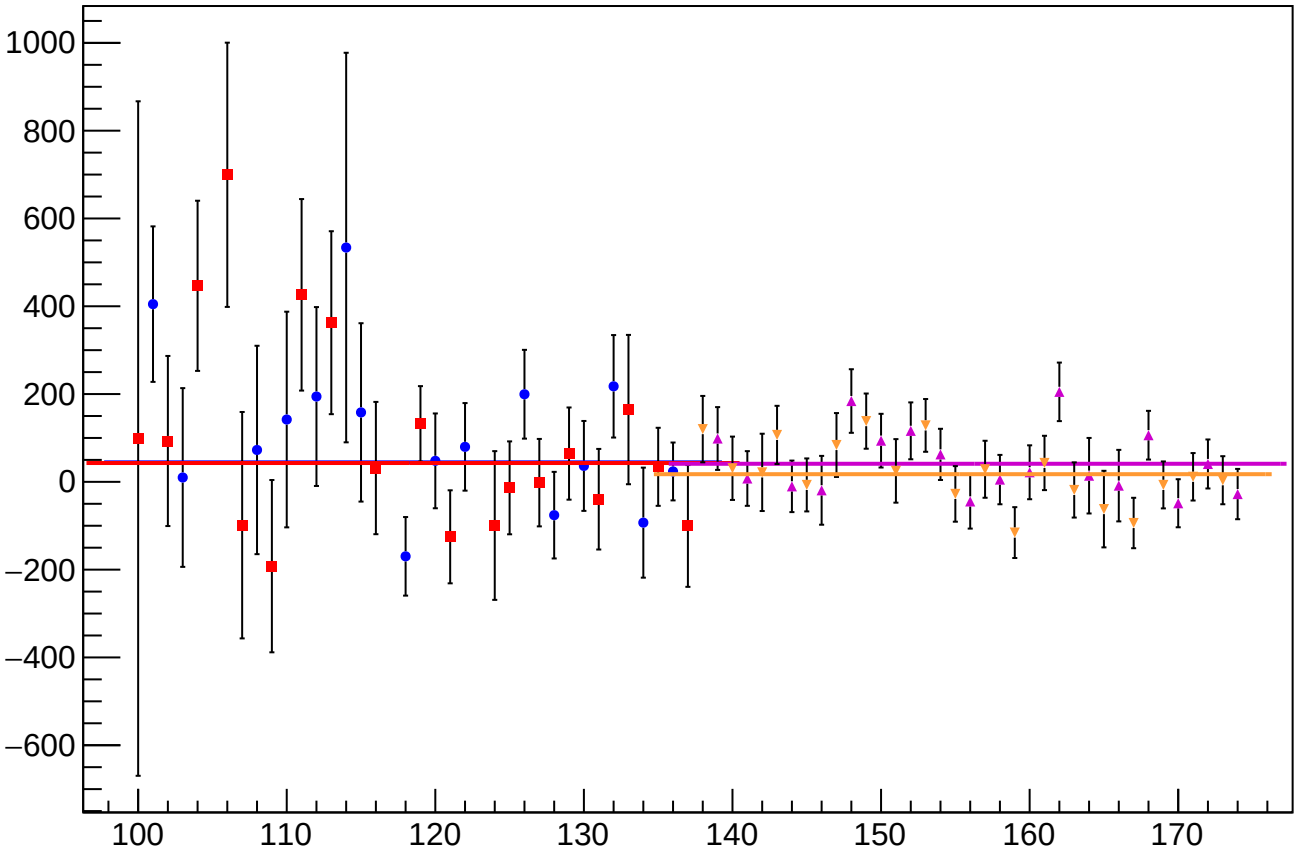
Left: 252.009+/-0.034 χ^2/NDF: 2994694.5/36

Right: 614.121+/-0.123 χ^2/NDF: 4174772.7/34

In: 273.119+/-0.045 χ^2/NDF:7289444.8/33

Out: 281.286+/-0.046 χ^2/NDF:7920708.9/37

All: 277.089+/-0.032 χ^2/NDF: 15226036.4/71



Right In: 44.387+/-29.909 χ^2/NDF: 19.6/15

Left Out: 17.462+/-14.639 χ^2/NDF:23.0/18

Right Out: 42.901+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.182+/-14.852 χ^2/NDF:22.9/17

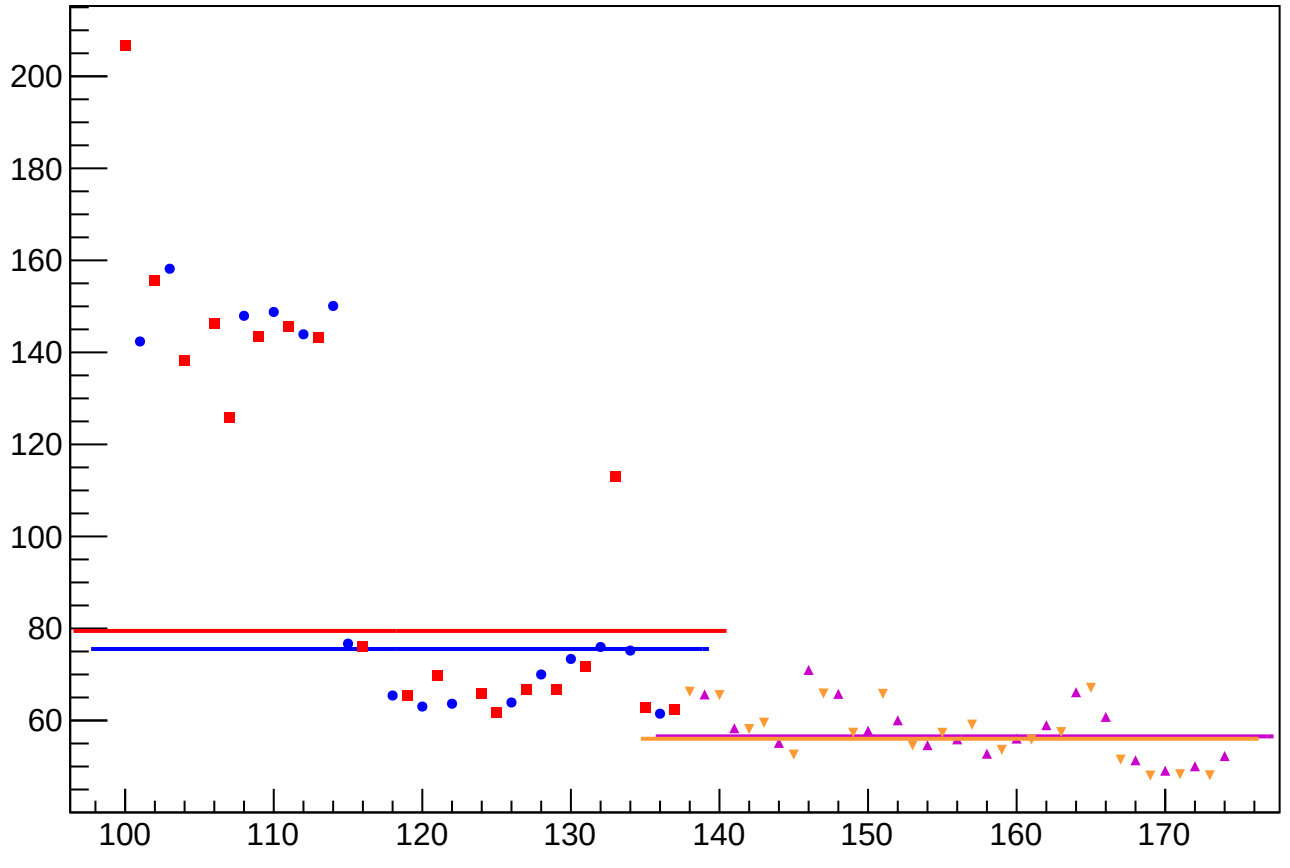
Left: 29.151+/-10.426 χ^2/NDF: 47.2/36

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 41.816+/-13.302 χ^2/NDF:42.5/33

Out: 22.040+/-13.256 χ^2/NDF:46.8/37

All: 31.894+/-9.390 χ^2/NDF: 90.4/71



Right In: 75.544+/-0.021 χ^2/NDF: 1465550.9/15

Left Out: 56.029+/-0.010 χ^2/NDF:341542.4/18

Right Out: 79.465+/-0.022 χ^2/NDF: 1683634.3/18

Left In: 56.546+/-0.011 χ^2/NDF:279497.1/17

Left: 56.284+/-0.007 χ^2/NDF: 622268.6/36

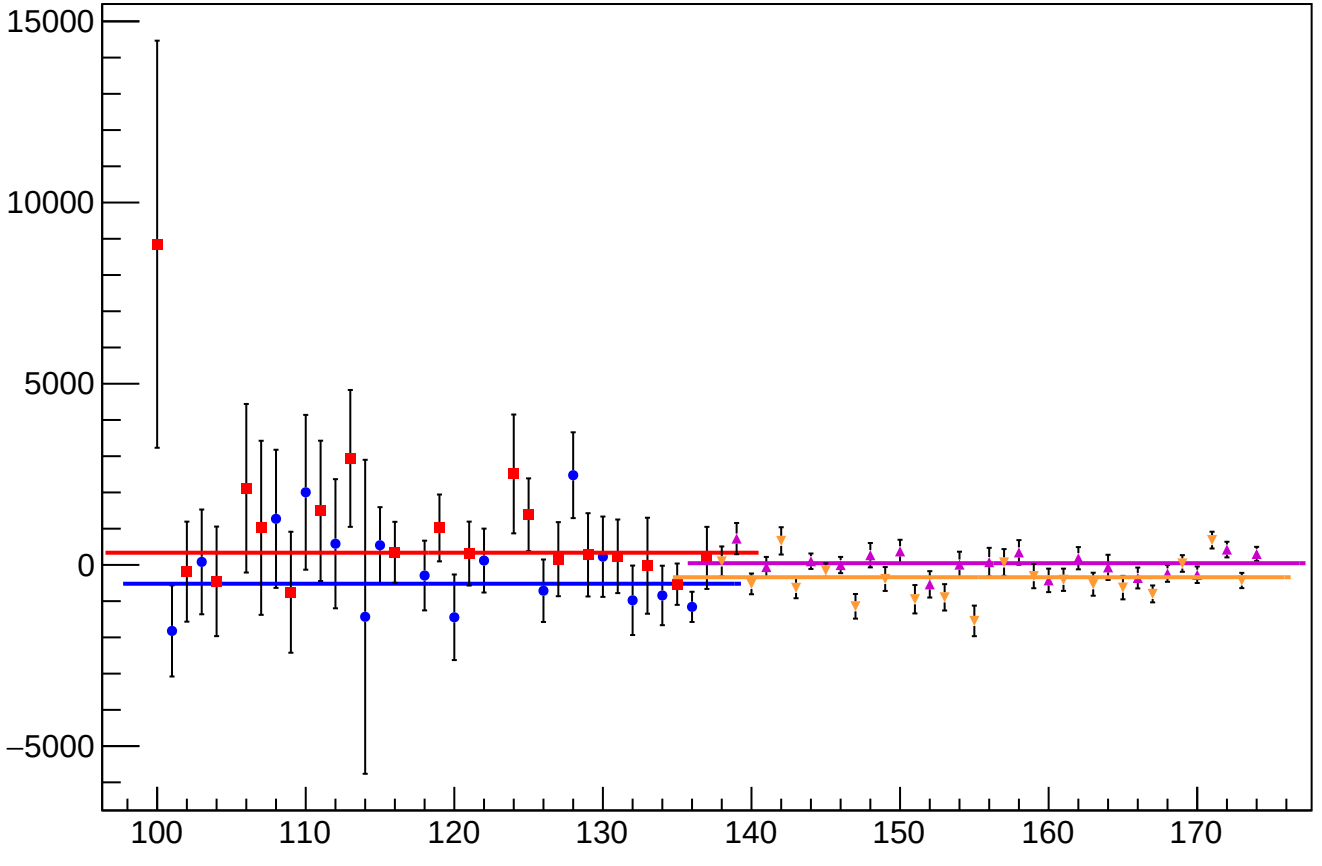
Right: 77.419+/-0.015 χ^2/NDF: 3165620.3/34

In: 60.304+/-0.009 χ^2/NDF:2392413.2/33

Out: 60.247+/-0.009 χ^2/NDF:2947735.5/37

All: 60.275+/-0.007 χ^2/NDF: 5340167.4/71

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.250+/-241.317 χ^2/NDF: 15.8/15

Left Out: -339.800+/-66.572 χ^2/NDF:57.9/18

Right Out: 336.731+/-256.618 χ^2/NDF: 11.9/18

Left In: 47.646+/-65.170 χ^2/NDF:20.2/17

Left: -141.952+/-46.570 χ^2/NDF: 95.4/36

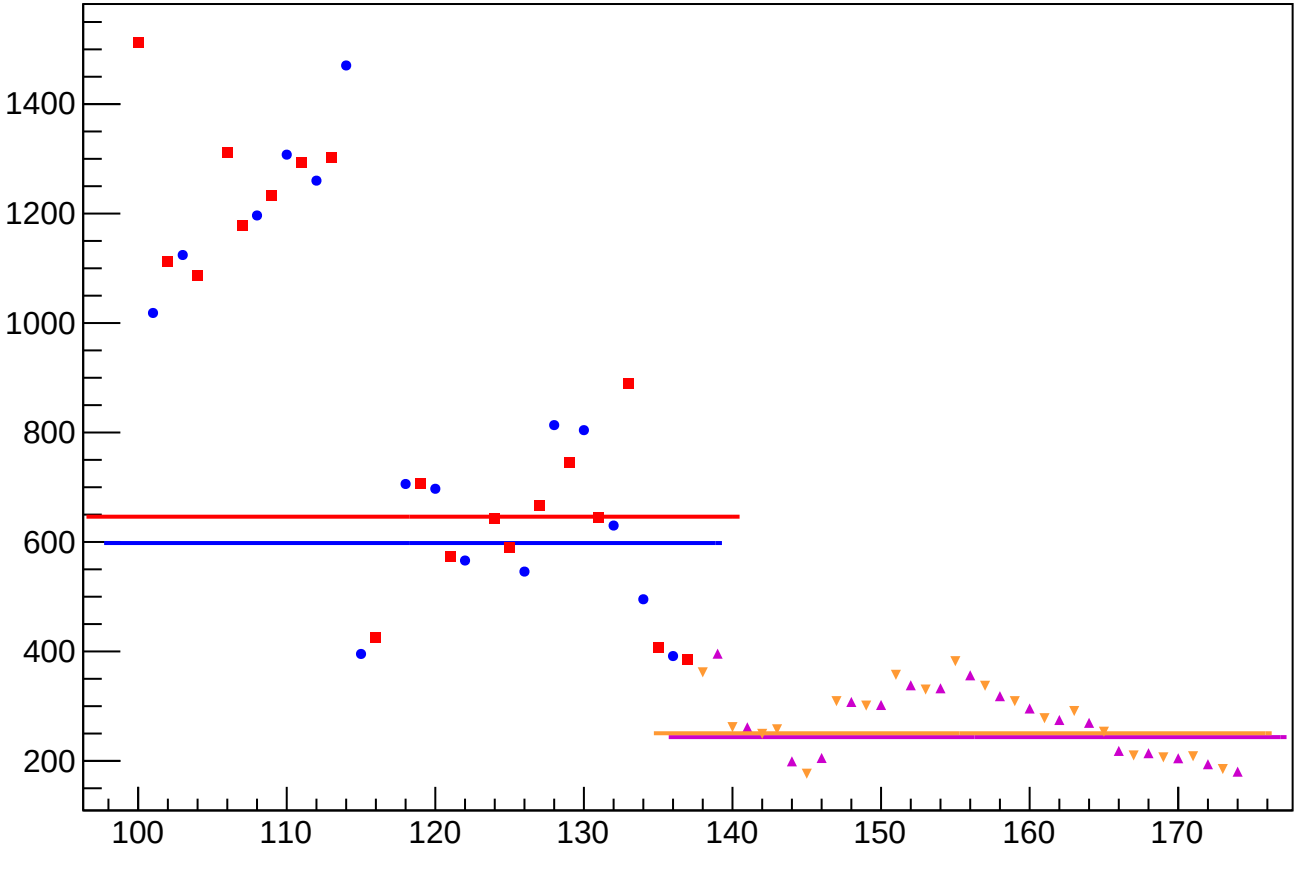
Right: -117.538+/-175.797 χ^2/NDF: 33.6/34

In: 9.112+/-62.916 χ^2/NDF:41.2/33

Out: -297.141+/-64.439 χ^2/NDF:76.3/37

All: -140.352+/-45.017 χ^2/NDF: 129.0/71

asym_sam_1526_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047825.1/15

Left Out: 250.517+/-0.047 χ^2/NDF:1592137.9/18

Right Out: 646.190+/-0.181 χ^2/NDF: 2205437.4/18

Left In: 243.485+/-0.046 χ^2/NDF:1567829.7/17

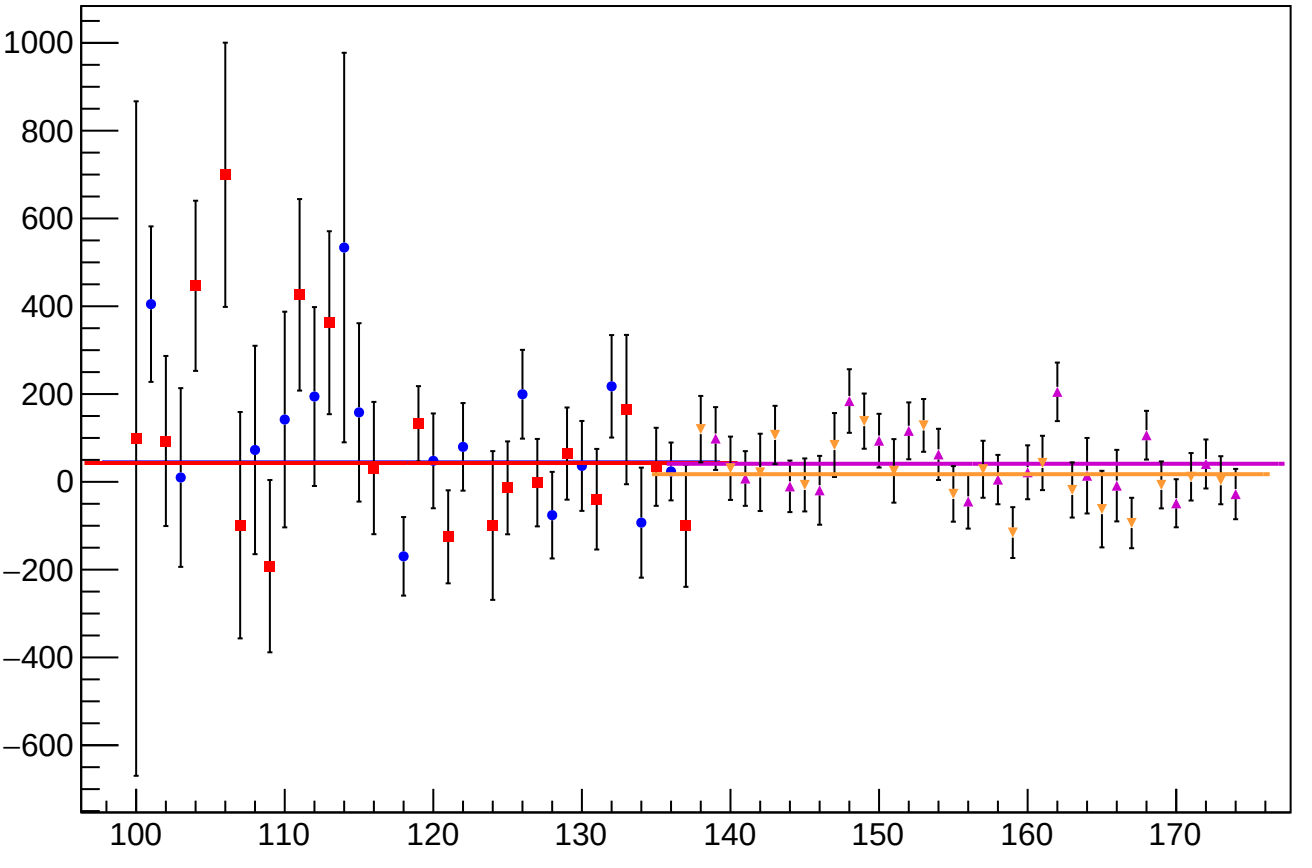
Left: 246.926+/-0.033 χ^2/NDF: 3171361.0/36

Right: 620.639+/-0.124 χ^2/NDF: 4290624.3/34

In: 267.586+/-0.044 χ^2/NDF:7639670.7/33

Out: 275.466+/-0.046 χ^2/NDF:8252531.4/37

All: 271.432+/-0.032 χ^2/NDF: 15907514.1/71



Right In: 44.389+/-29.908 χ^2/NDF: 19.6/15

Left Out: 17.461+/-14.639 χ^2/NDF:23.0/18

Right Out: 42.900+/-31.248 χ^2/NDF: 23.3/18

Left In: 41.182+/-14.852 χ^2/NDF:22.9/17

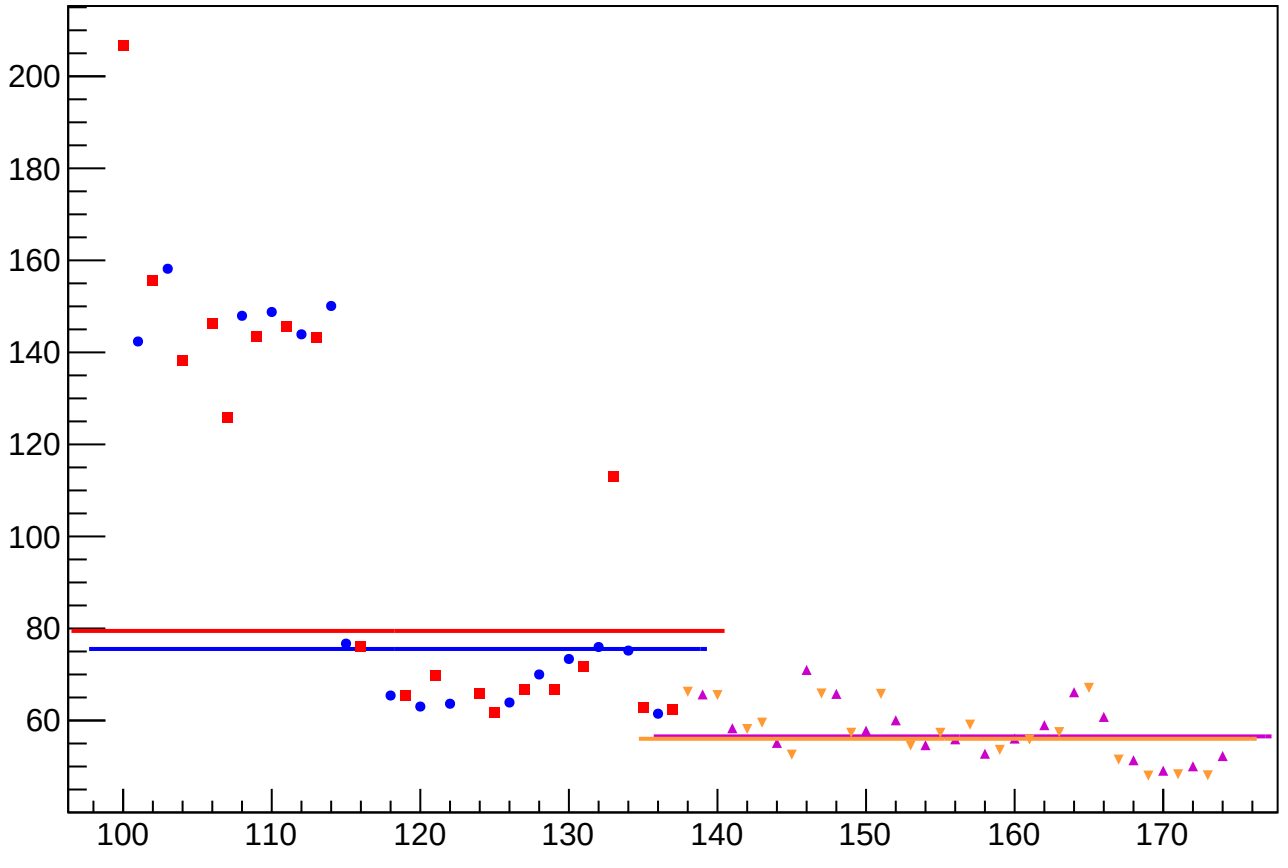
Left: 29.150+/-10.426 χ^2/NDF: 47.2/36

Right: 43.677+/-21.607 χ^2/NDF: 42.9/34

In: 41.816+/-13.302 χ^2/NDF:42.5/33

Out: 22.039+/-13.256 χ^2/NDF:46.8/37

All: 31.893+/-9.390 χ^2/NDF: 90.4/71



Right In: 75.544+/-0.021 χ^2/NDF: 1465535.8/15

Left Out: 56.029+/-0.010 χ^2/NDF:341544.6/18

Right Out: 79.465+/-0.022 χ^2/NDF: 1683627.3/18

Left In: 56.546+/-0.011 χ^2/NDF:279498.2/17

Left: 56.284+/-0.007 χ^2/NDF: 622272.4/36

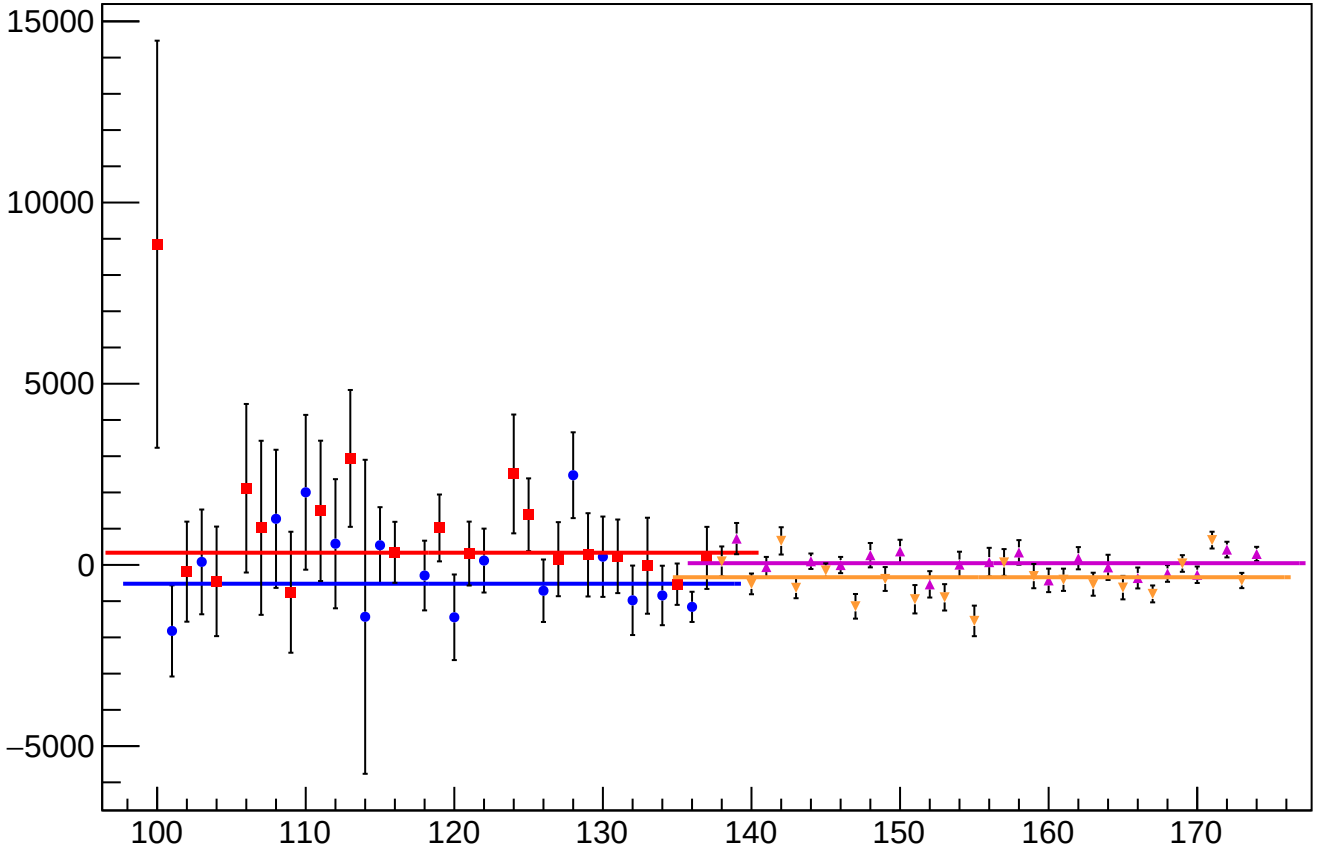
Right: 77.419+/-0.015 χ^2/NDF: 3165598.5/34

In: 60.304+/-0.009 χ^2/NDF:2392369.4/33

Out: 60.247+/-0.009 χ^2/NDF:2947706.1/37

All: 60.275+/-0.007 χ^2/NDF: 5340094.1/71

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -519.247+/-241.316 χ^2/NDF: 15.8/15

Left Out: -339.798+/-66.572 χ^2/NDF:57.9/18

Right Out: 336.731+/-256.617 χ^2/NDF: 11.9/18

Left In: 47.645+/-65.170 χ^2/NDF:20.2/17

Left: -141.952+/-46.570 χ^2/NDF: 95.4/36

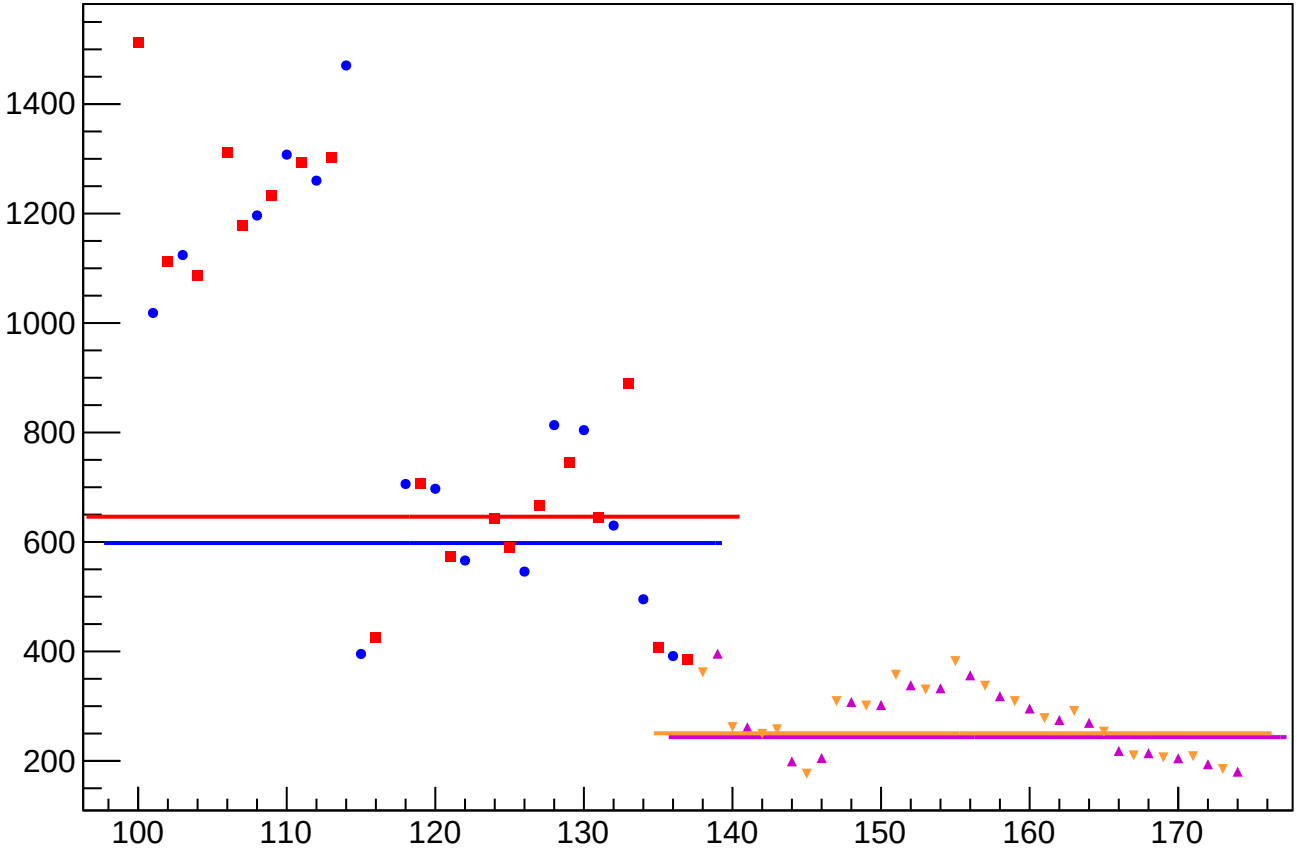
Right: -117.537+/-175.797 χ^2/NDF: 33.6/34

In: 9.111+/-62.916 χ^2/NDF:41.2/33

Out: -297.139+/-64.439 χ^2/NDF:76.3/37

All: -140.351+/-45.017 χ^2/NDF: 129.0/71

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 598.044+/-0.171 χ^2/NDF: 2047806.5/15

Left Out: 250.516+/-0.047 χ^2/NDF:1592140.2/18

Right Out: 646.190+/-0.181 χ^2/NDF: 2205421.4/18

Left In: 243.485+/-0.046 χ^2/NDF:1567821.5/17

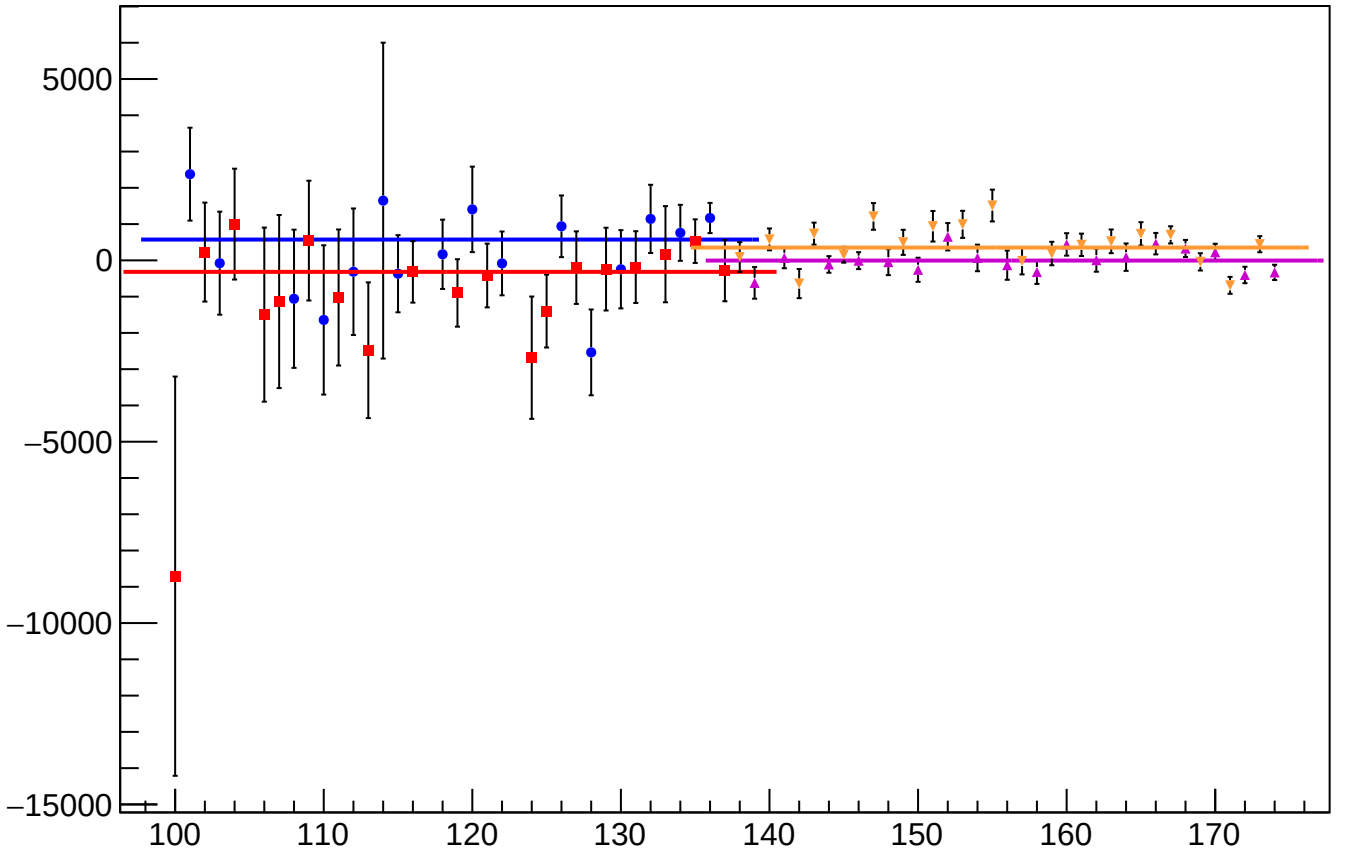
Left: 246.926+/-0.033 χ^2/NDF: 3171354.3/36

Right: 620.638+/-0.124 χ^2/NDF: 4290589.9/34

In: 267.586+/-0.044 χ^2/NDF:7639649.0/33

Out: 275.466+/-0.046 χ^2/NDF:8252528.9/37

All: 271.432+/-0.032 χ^2/NDF: 15907489.0/71



Right In: 573.374+/-238.921 χ^2/NDF: 16.6/15

Left Out: 353.295+/-69.190 χ^2/NDF:54.9/18

Right Out: -316.830+/-258.239 χ^2/NDF: 11.0/18

Left In: -5.280+/-67.671 χ^2/NDF:20.0/17

Left: 170.029+/-48.378 χ^2/NDF: 88.6/36

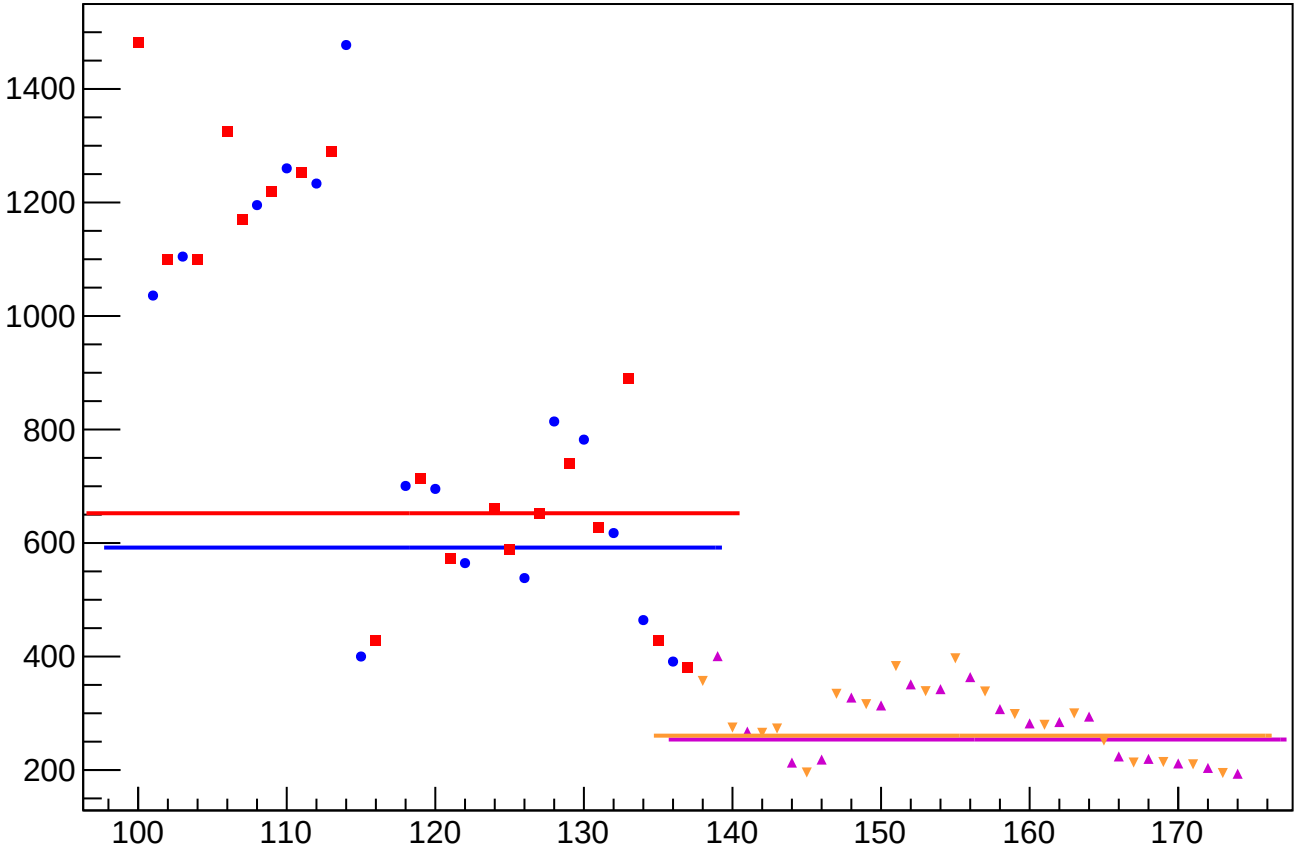
Right: 162.809+/-175.375 χ^2/NDF: 34.0/34

In: 37.694+/-65.109 χ^2/NDF:42.0/33

Out: 308.412+/-66.832 χ^2/NDF:72.2/37

All: 169.518+/-46.637 χ^2/NDF: 122.6/71

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 591.974+/-0.169 χ^2/NDF: 2035700.6/15

Left Out: 260.590+/-0.049 χ^2/NDF:1456280.2/18

Right Out: 652.459+/-0.183 χ^2/NDF: 2089983.3/18

Left In: 253.764+/-0.048 χ^2/NDF:1388610.5/17

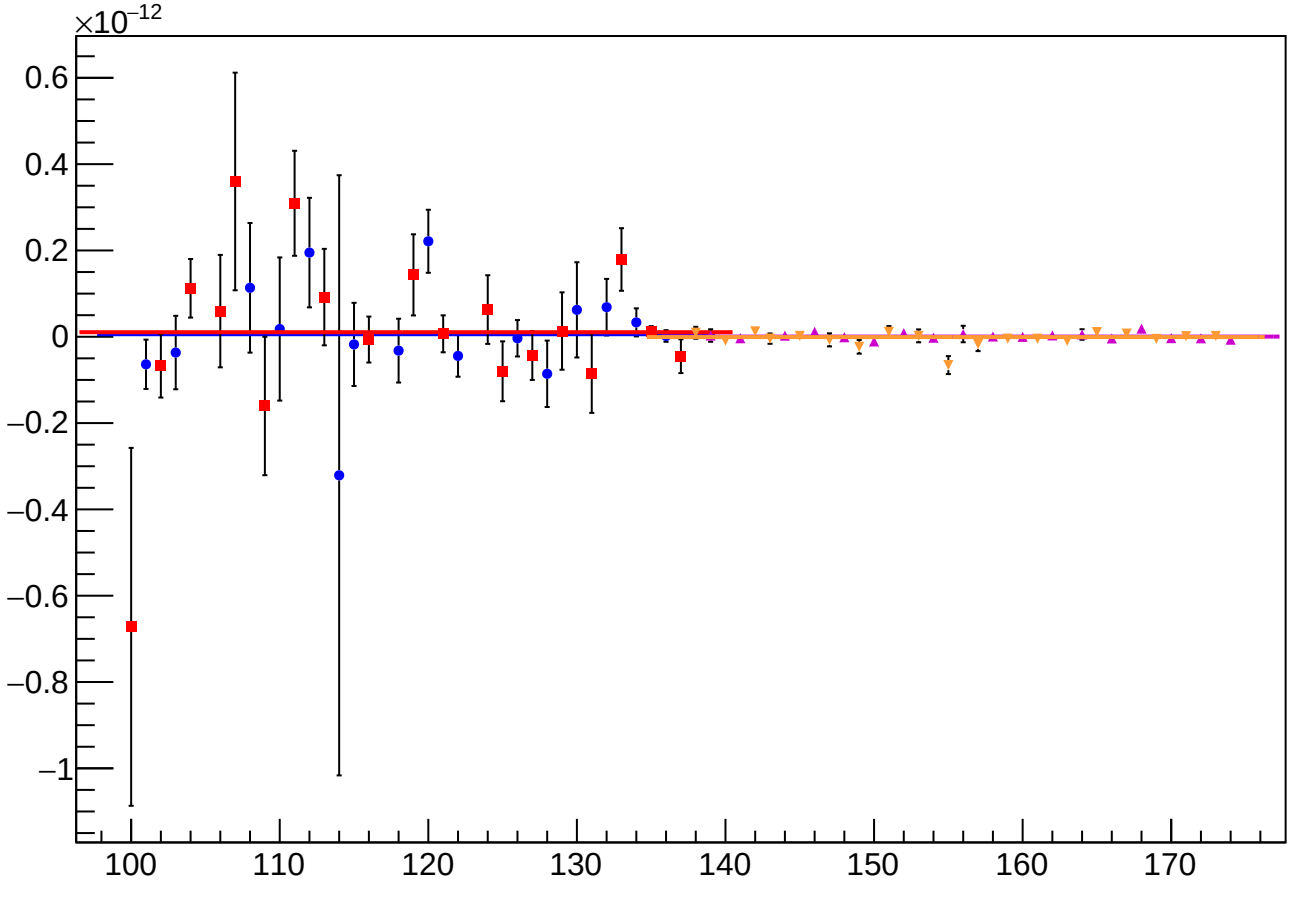
Left: 257.101+/-0.034 χ^2/NDF: 2854840.9/36

Right: 619.870+/-0.124 χ^2/NDF: 4184800.0/34

In: 278.881+/-0.046 χ^2/NDF:7134367.1/33

Out: 286.837+/-0.047 χ^2/NDF:7843217.0/37

All: 282.755+/-0.033 χ^2/NDF: 14992125.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 29.5/18

Left In: 0.000+/-0.000 χ^2/NDF:11.2/17

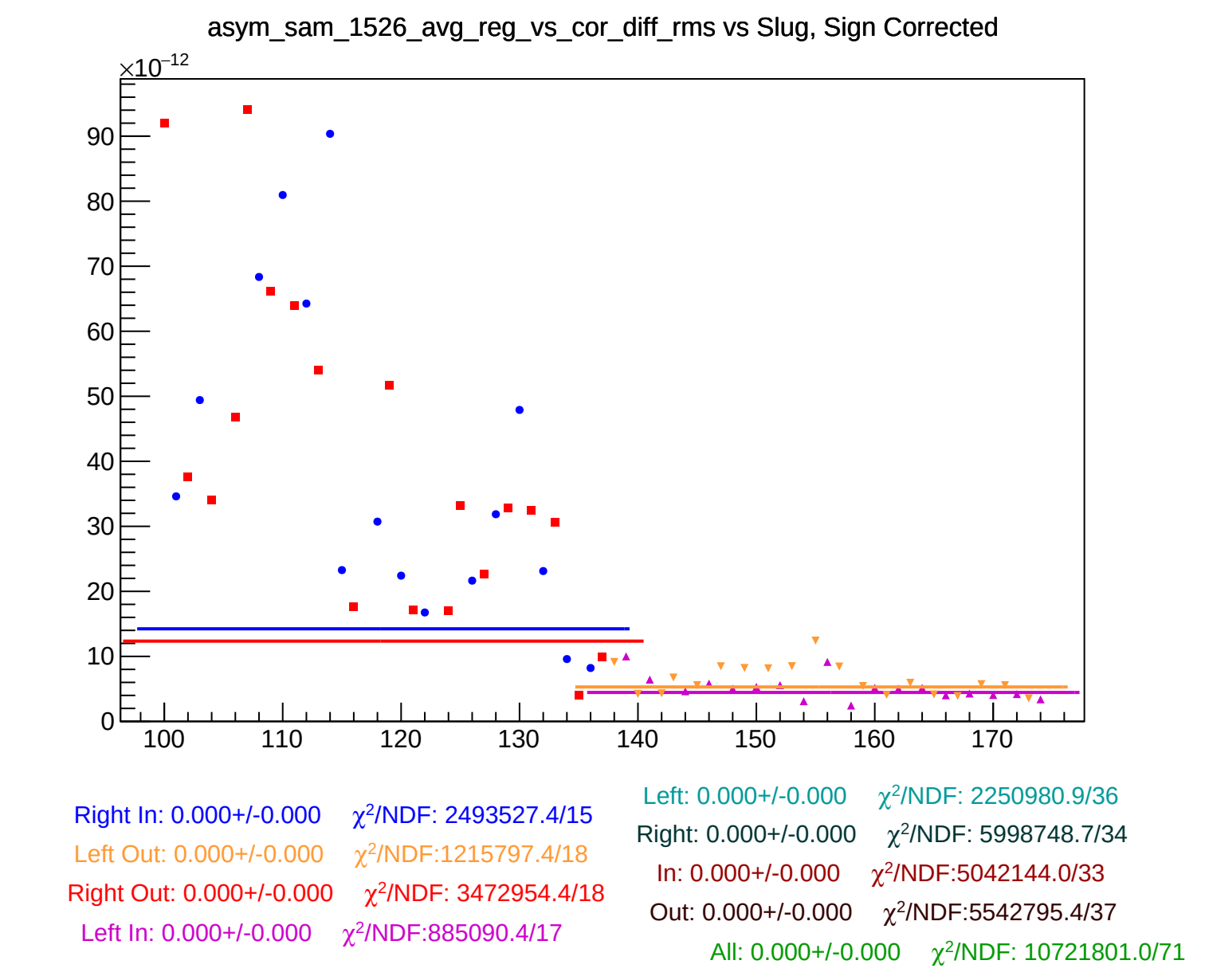
Left: -0.000+/-0.000 χ^2/NDF: 33.2/36

Right: 0.000+/-0.000 χ^2/NDF: 47.8/34

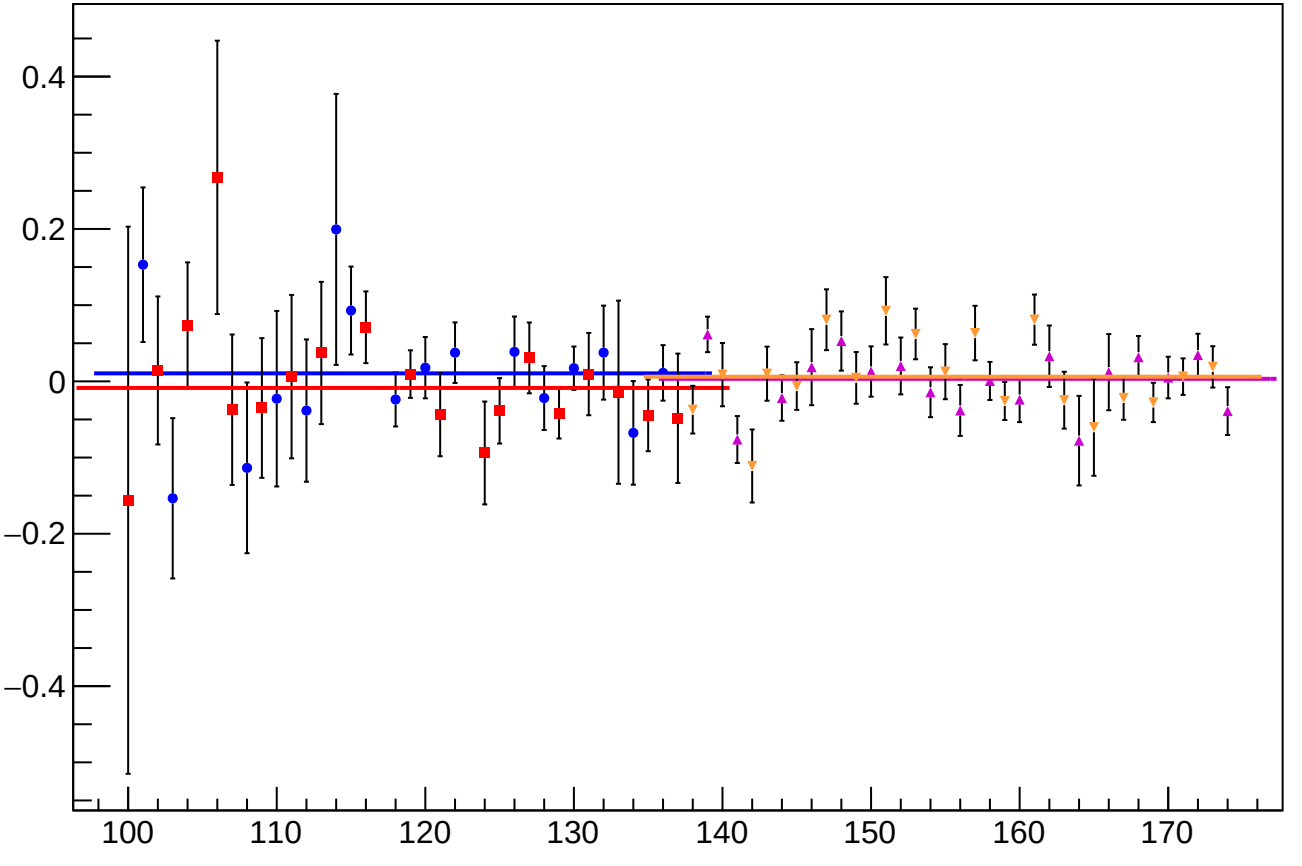
In: 0.000+/-0.000 χ^2/NDF:29.8/33

Out: -0.000+/-0.000 χ^2/NDF:52.4/37

All: 0.000+/-0.000 χ^2/NDF: 82.2/71


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:1215797.4/18
Right Out: 0.000+/-0.000 χ²/NDF: 3472954.4/18
Left In: 0.000+/-0.000 χ²/NDF:885090.4/17
Left: 0.000+/-0.000 χ²/NDF: 2250980.9/36
Right: 0.000+/-0.000 χ²/NDF: 5998748.7/34
In: 0.000+/-0.000 χ²/NDF:5042144.0/33
Out: 0.000+/-0.000 χ²/NDF:5542795.4/37
All: 0.000+/-0.000 χ²/NDF: 10721801.0/71

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: 0.006+/-0.008 χ^2/NDF:32.3/18

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

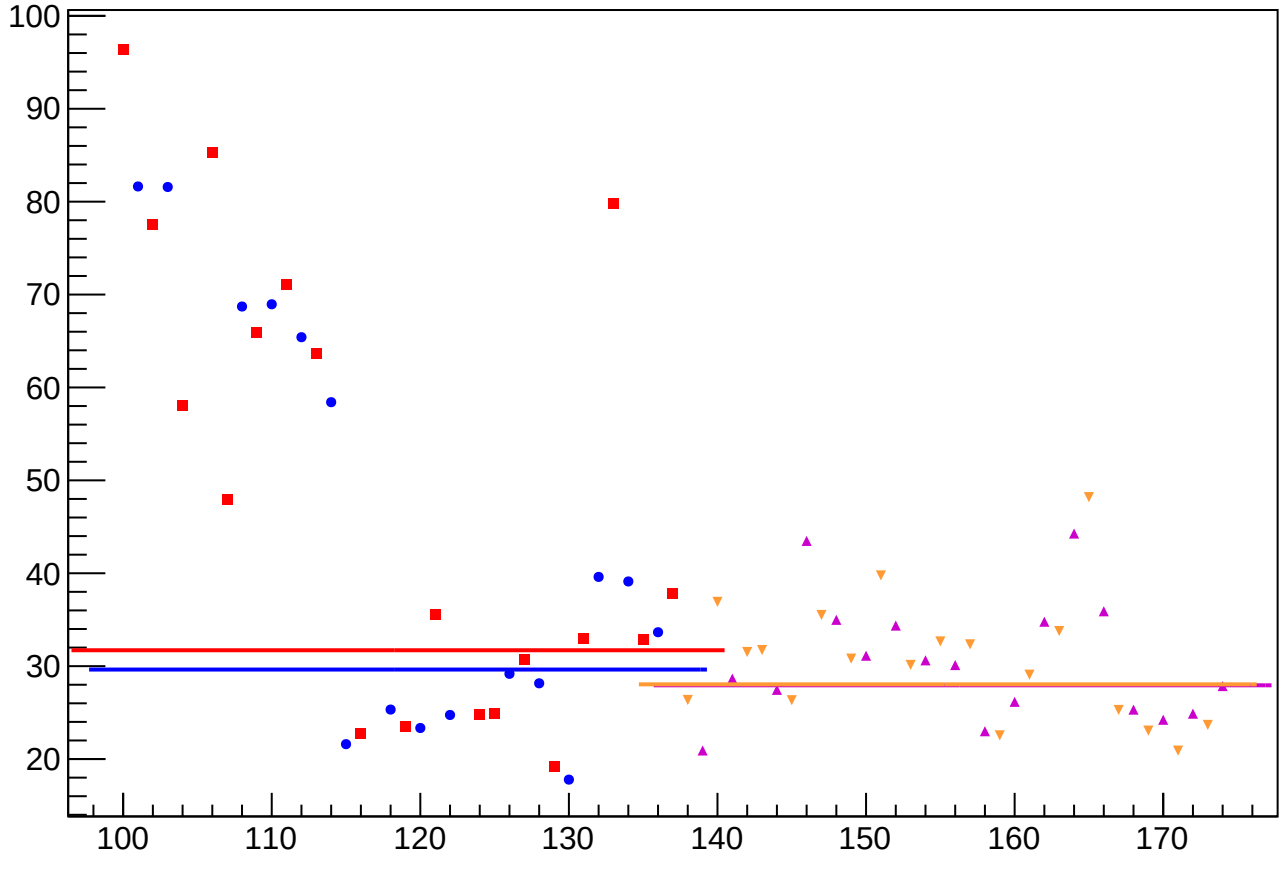
Left: 0.005+/-0.005 χ^2/NDF: 57.3/36

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/37

All: 0.004+/-0.005 χ^2/NDF: 84.1/71



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096928.6/18

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

Left: 27.991+/-0.004 χ^2/NDF: 2066790.0/36

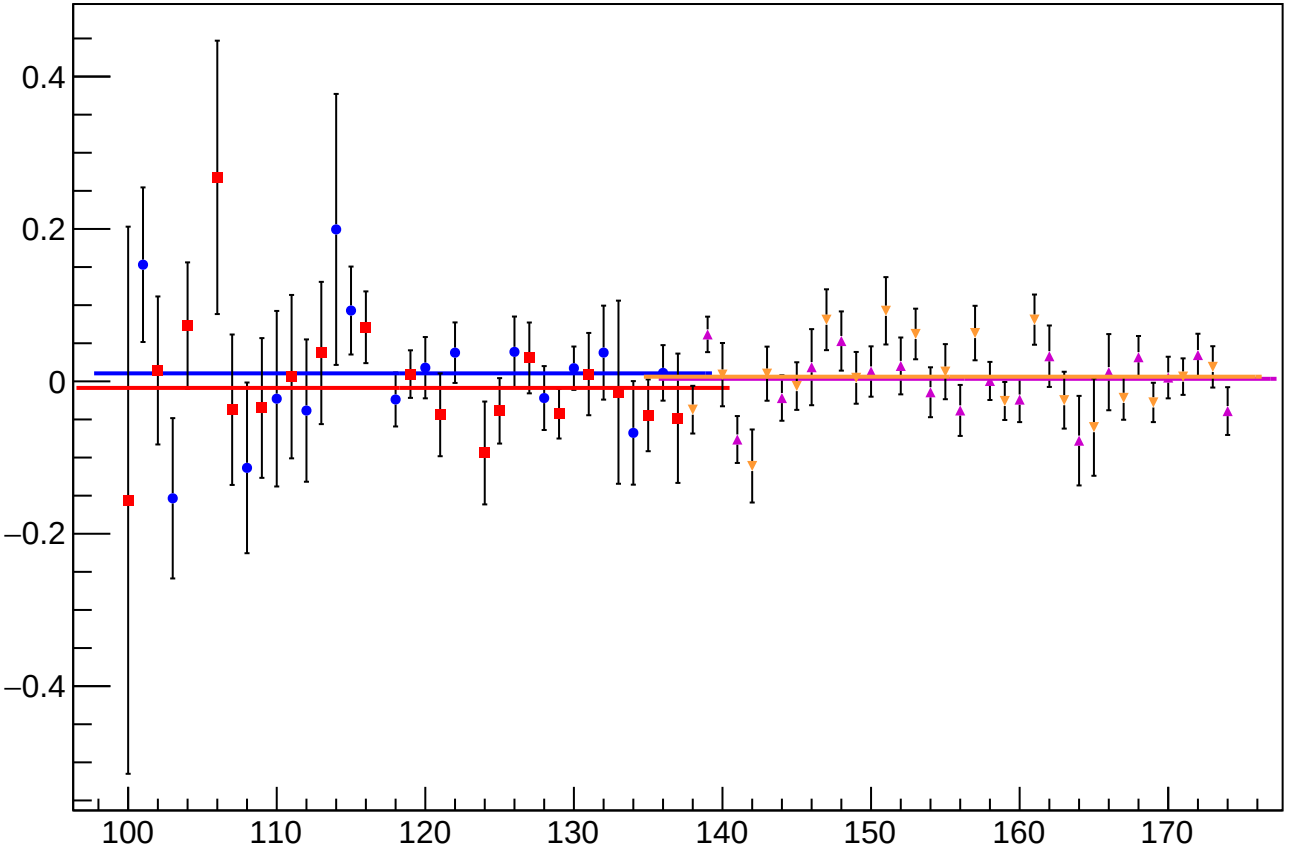
Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.390+/-0.005 χ^2/NDF:3444911.3/33

Out: 28.939+/-0.005 χ^2/NDF:3864504.1/37

All: 28.661+/-0.003 χ^2/NDF: 7316540.1/71

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: 0.006+/-0.008 χ^2/NDF:32.3/18

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

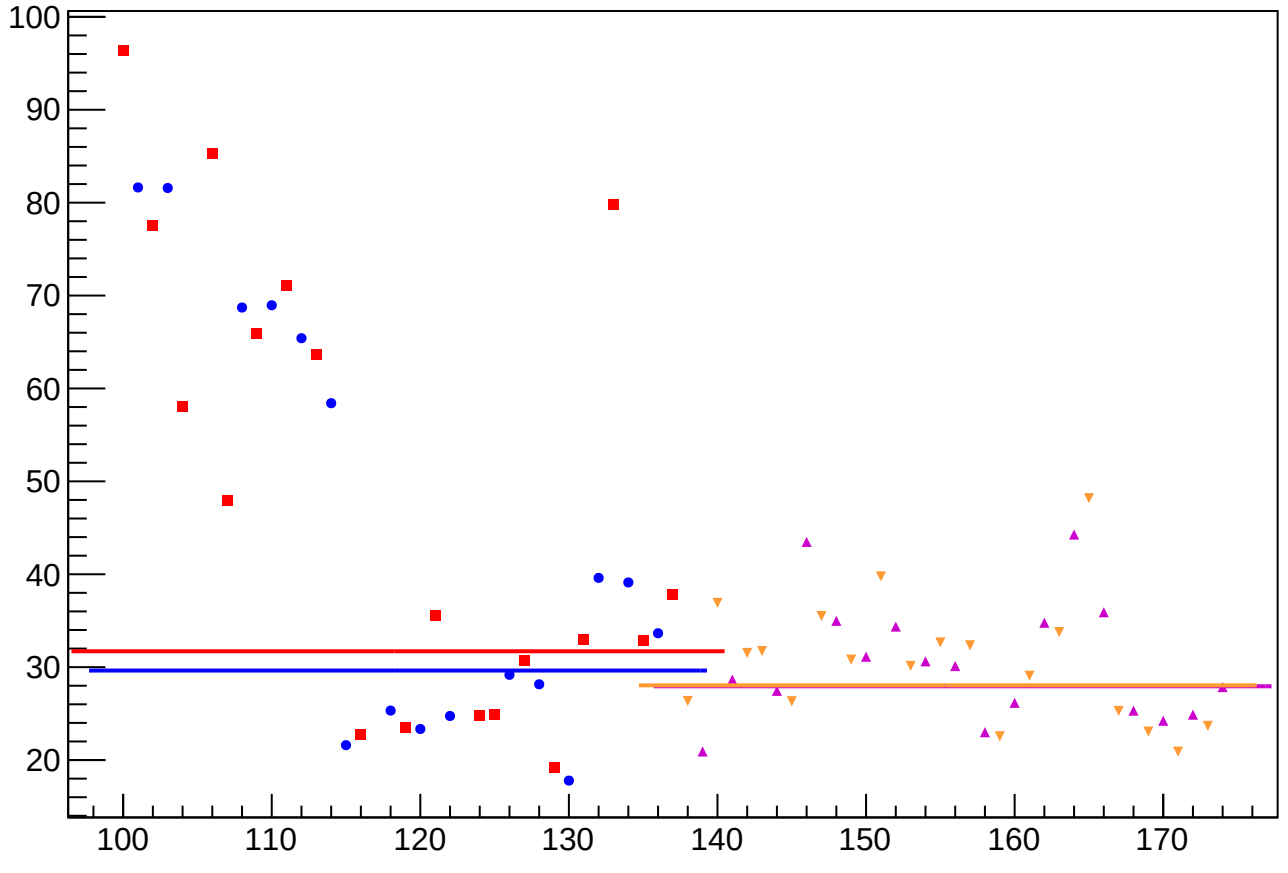
Left: 0.005+/-0.005 χ^2/NDF: 57.3/36

Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.4/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/37

All: 0.004+/-0.005 χ^2/NDF: 84.1/71



Right In: 29.635+/-0.009 χ^2/NDF: 2448468.0/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096928.6/18

Right Out: 31.712+/-0.009 χ^2/NDF: 2651470.3/18

Left In: 27.939+/-0.005 χ^2/NDF:969676.6/17

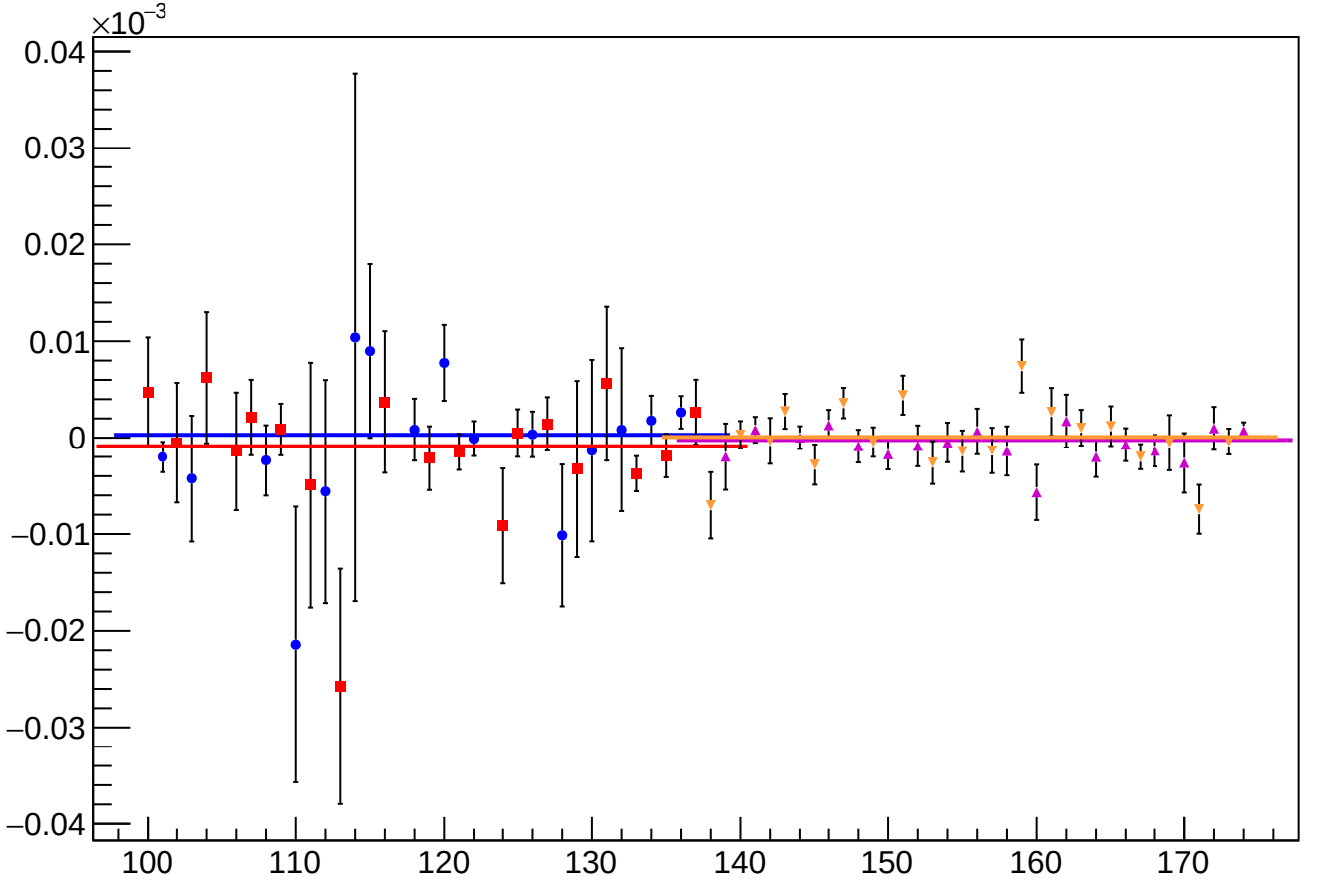
Left: 27.991+/-0.004 χ^2/NDF: 2066790.0/36

Right: 30.618+/-0.006 χ^2/NDF: 5125863.2/34

In: 28.390+/-0.005 χ^2/NDF:3444911.3/33

Out: 28.939+/-0.005 χ^2/NDF:3864504.1/37

All: 28.661+/-0.003 χ^2/NDF: 7316540.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.4/18

Left In: -0.000+/-0.000 χ^2/NDF:10.8/17

Left: -0.000+/-0.000 χ^2/NDF: 51.7/36

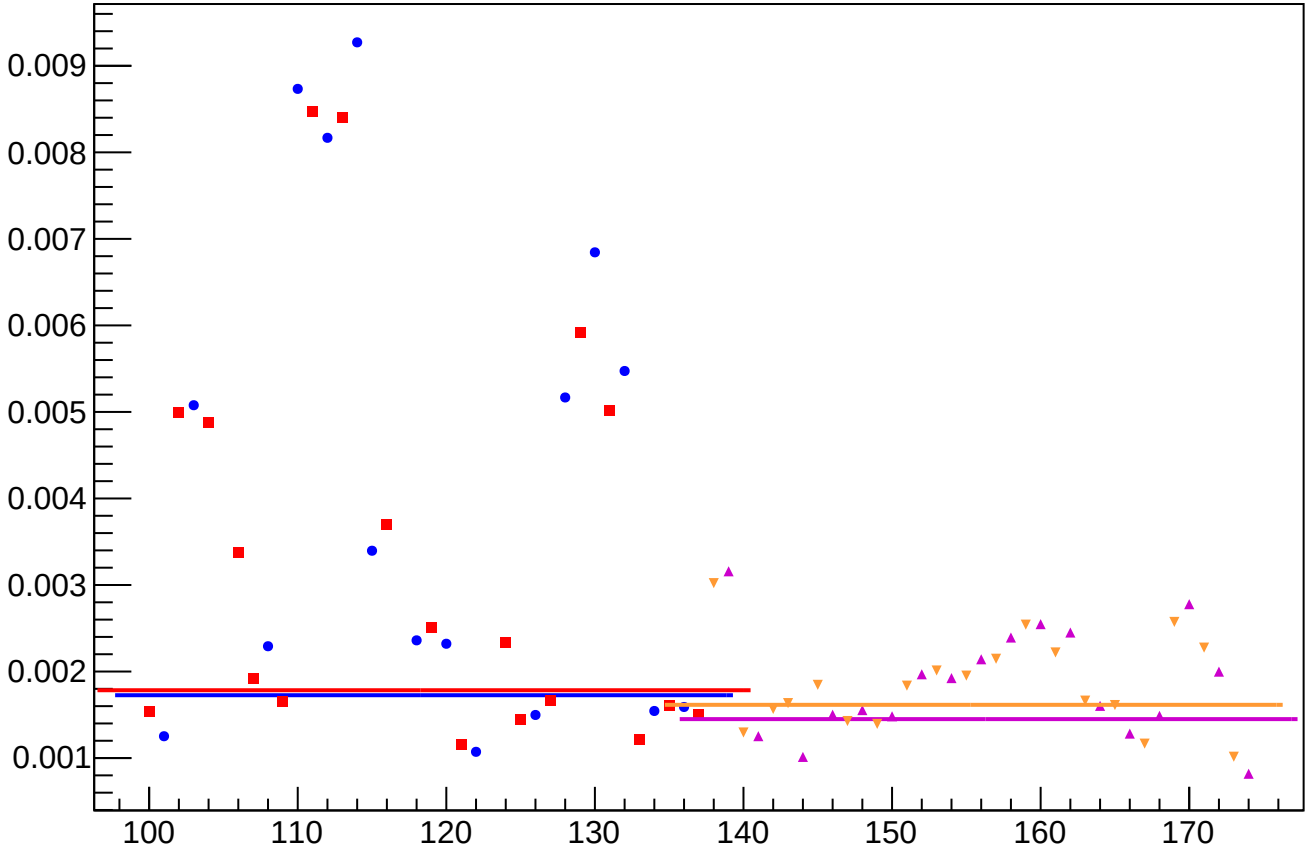
Right: -0.000+/-0.000 χ^2/NDF: 31.3/34

In: -0.000+/-0.000 χ^2/NDF:25.9/33

Out: -0.000+/-0.000 χ^2/NDF:57.2/37

All: -0.000+/-0.000 χ^2/NDF: 83.1/71

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3932244.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:2118783.9/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3718778.6/18

Left In: 0.001+/-0.000 χ^2/NDF:3580872.9/17

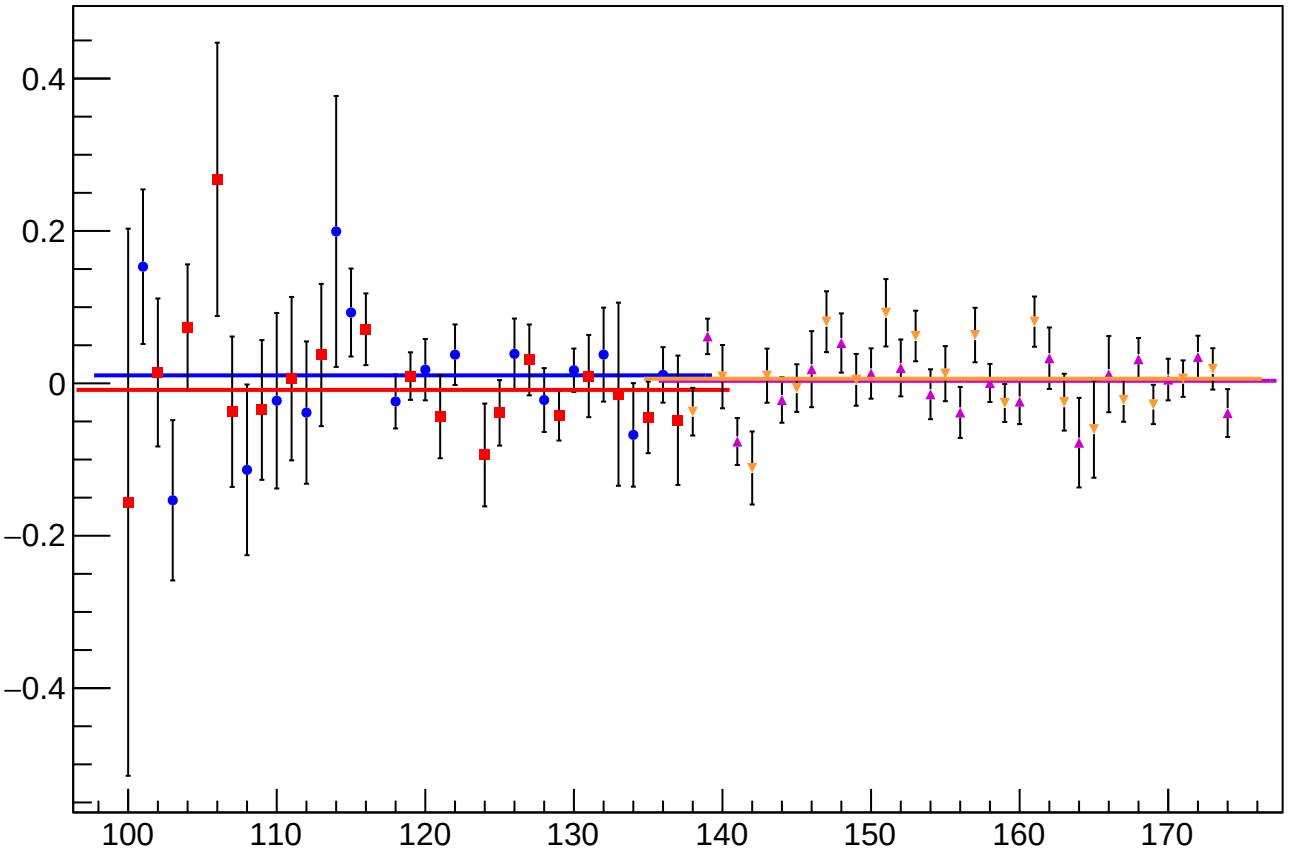
Left: 0.002+/-0.000 χ^2/NDF: 5853052.1/36

Right: 0.002+/-0.000 χ^2/NDF: 7656643.6/34

In: 0.002+/-0.000 χ^2/NDF:7717934.1/33

Out: 0.002+/-0.000 χ^2/NDF:5909223.6/37

All: 0.002+/-0.000 χ^2/NDF: 13780873.9/71



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.008 χ^2/NDF:32.3/18

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

Left: 0.005+/-0.005 χ^2/NDF: 57.3/36

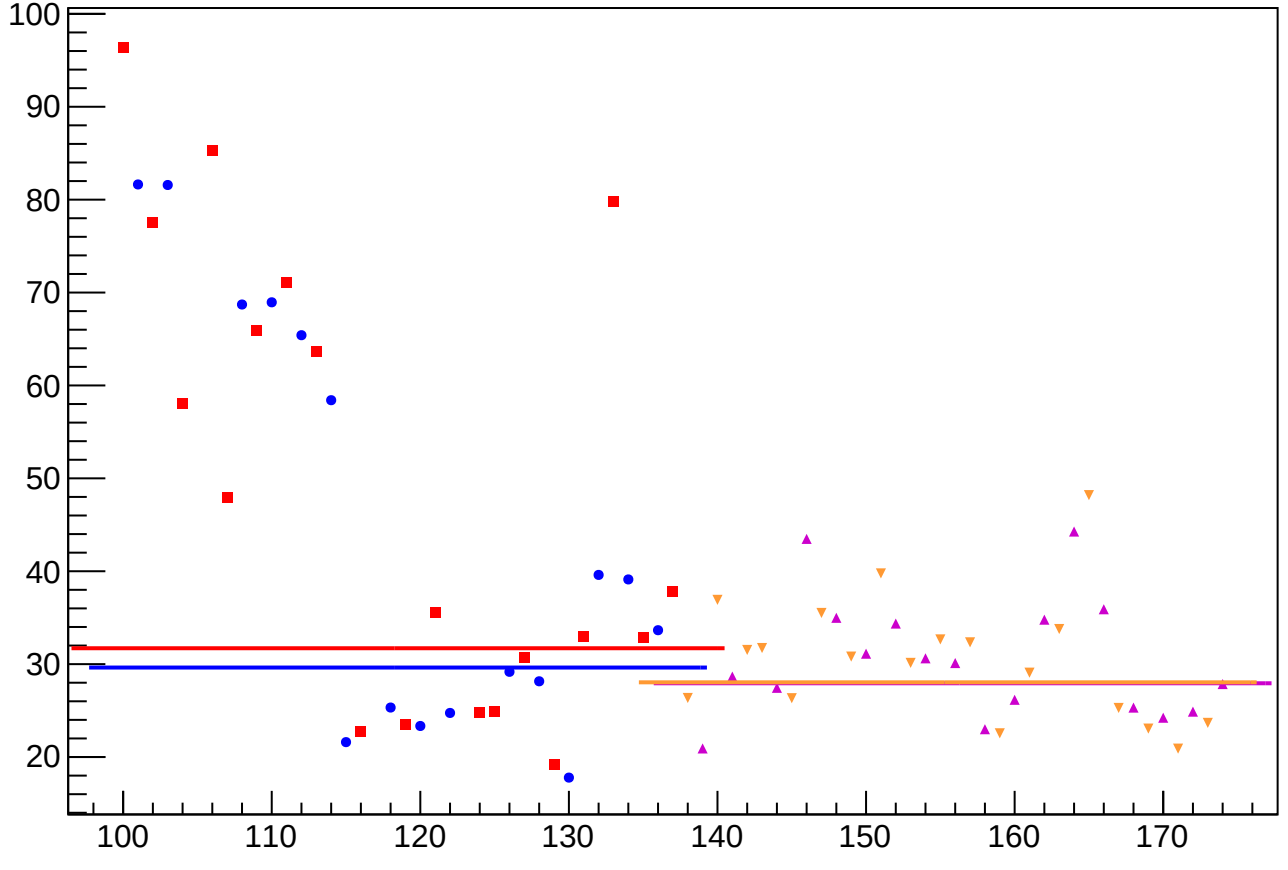
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.3/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/37

All: 0.004+/-0.005 χ^2/NDF: 84.1/71

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096965.9/18

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

Left: 27.991+/-0.004 χ^2/NDF: 2066835.2/36

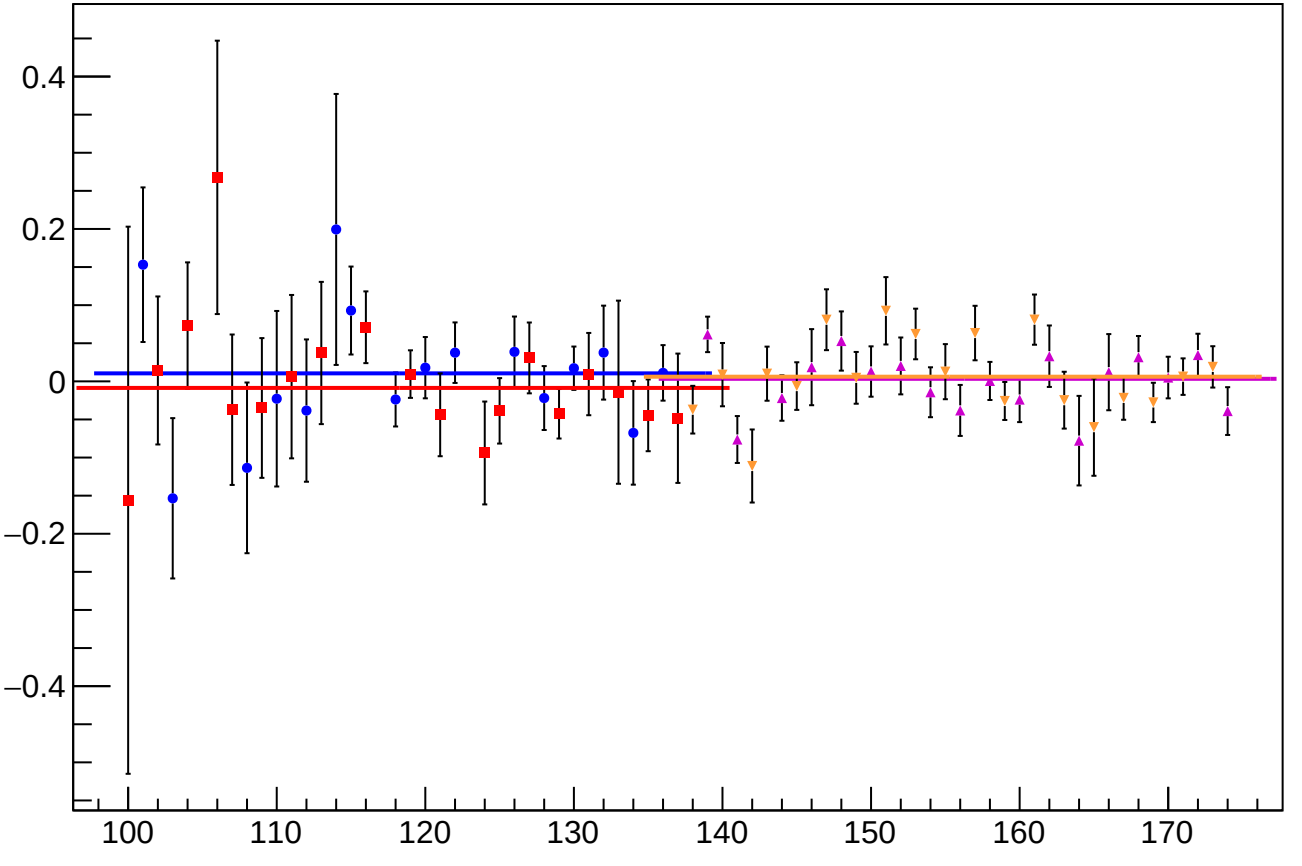
Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

In: 28.390+/-0.005 χ^2/NDF:3445071.9/33

Out: 28.939+/-0.005 χ^2/NDF:3864623.2/37

All: 28.661+/-0.003 χ^2/NDF: 7316816.8/71

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.013 χ^2/NDF: 13.1/15

Left Out: 0.006+/-0.008 χ^2/NDF:32.3/18

Right Out: -0.009+/-0.013 χ^2/NDF: 12.4/18

Left In: 0.003+/-0.008 χ^2/NDF:25.0/17

Left: 0.005+/-0.005 χ^2/NDF: 57.3/36

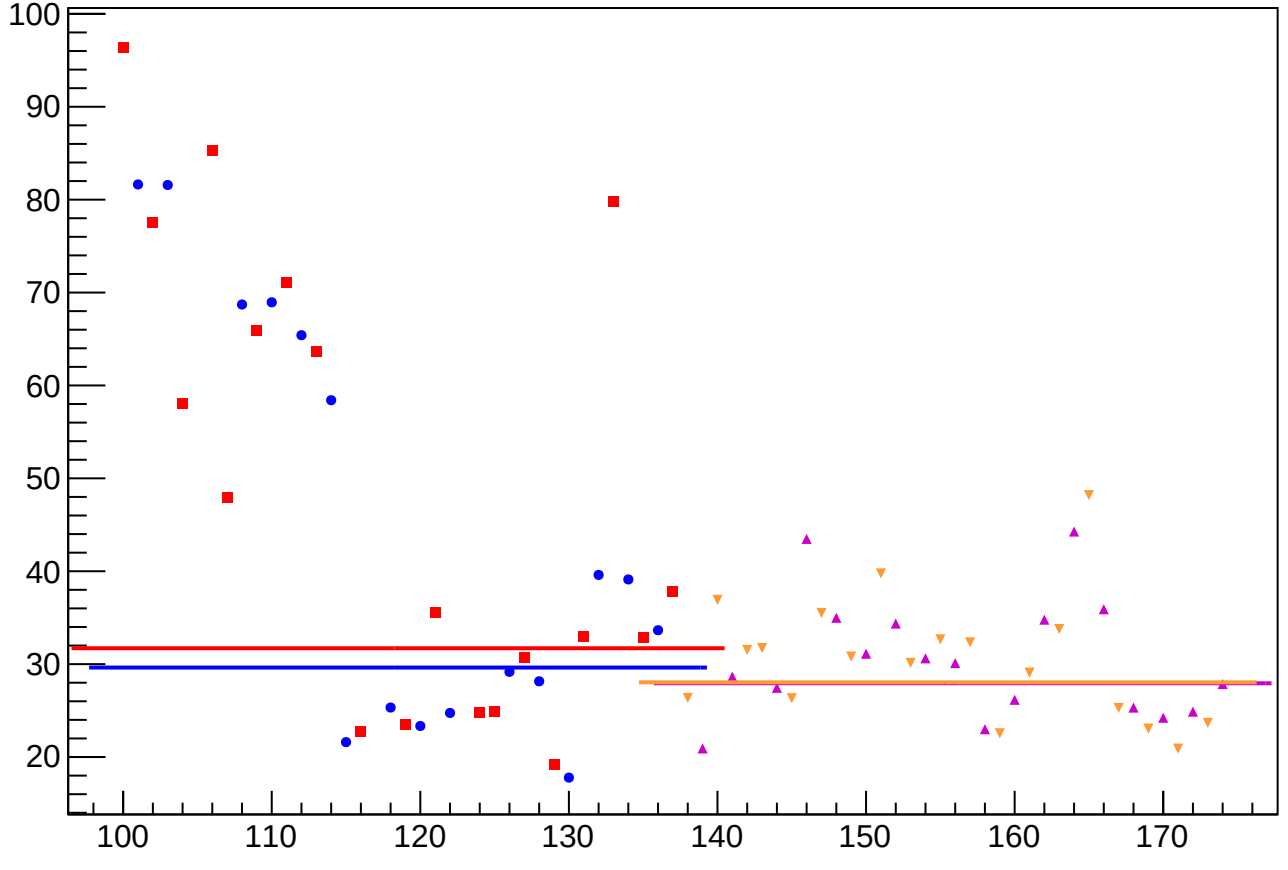
Right: 0.001+/-0.009 χ^2/NDF: 26.7/34

In: 0.005+/-0.006 χ^2/NDF:38.3/33

Out: 0.003+/-0.007 χ^2/NDF:45.7/37

All: 0.004+/-0.005 χ^2/NDF: 84.1/71

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.633+/-0.009 χ^2/NDF: 2448670.6/15

Left Out: 28.042+/-0.005 χ^2/NDF:1096965.9/18

Right Out: 31.711+/-0.009 χ^2/NDF: 2651638.6/18

Left In: 27.940+/-0.005 χ^2/NDF:969685.2/17

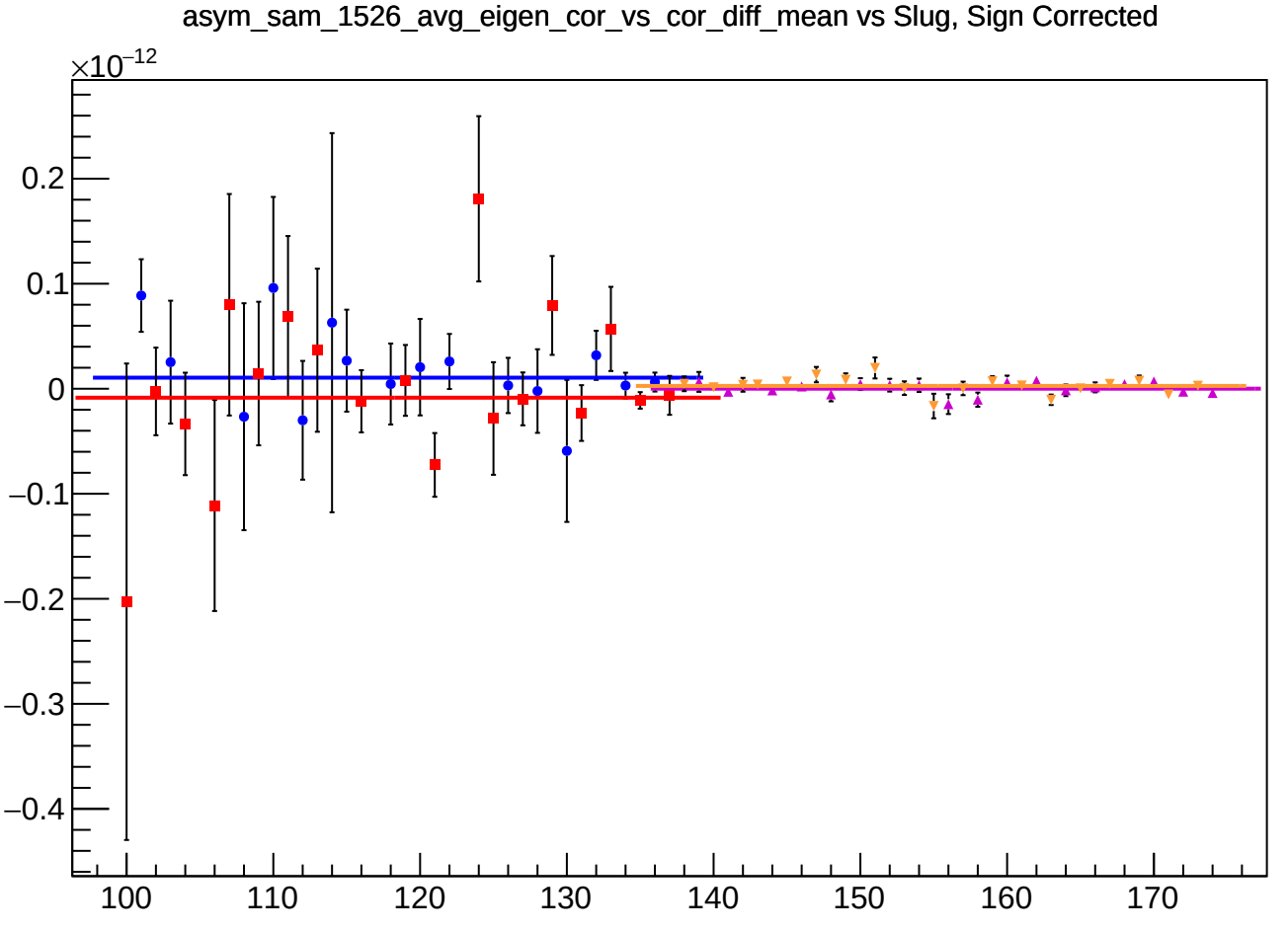
Left: 27.991+/-0.004 χ^2/NDF: 2066835.2/36

Right: 30.617+/-0.006 χ^2/NDF: 5126235.3/34

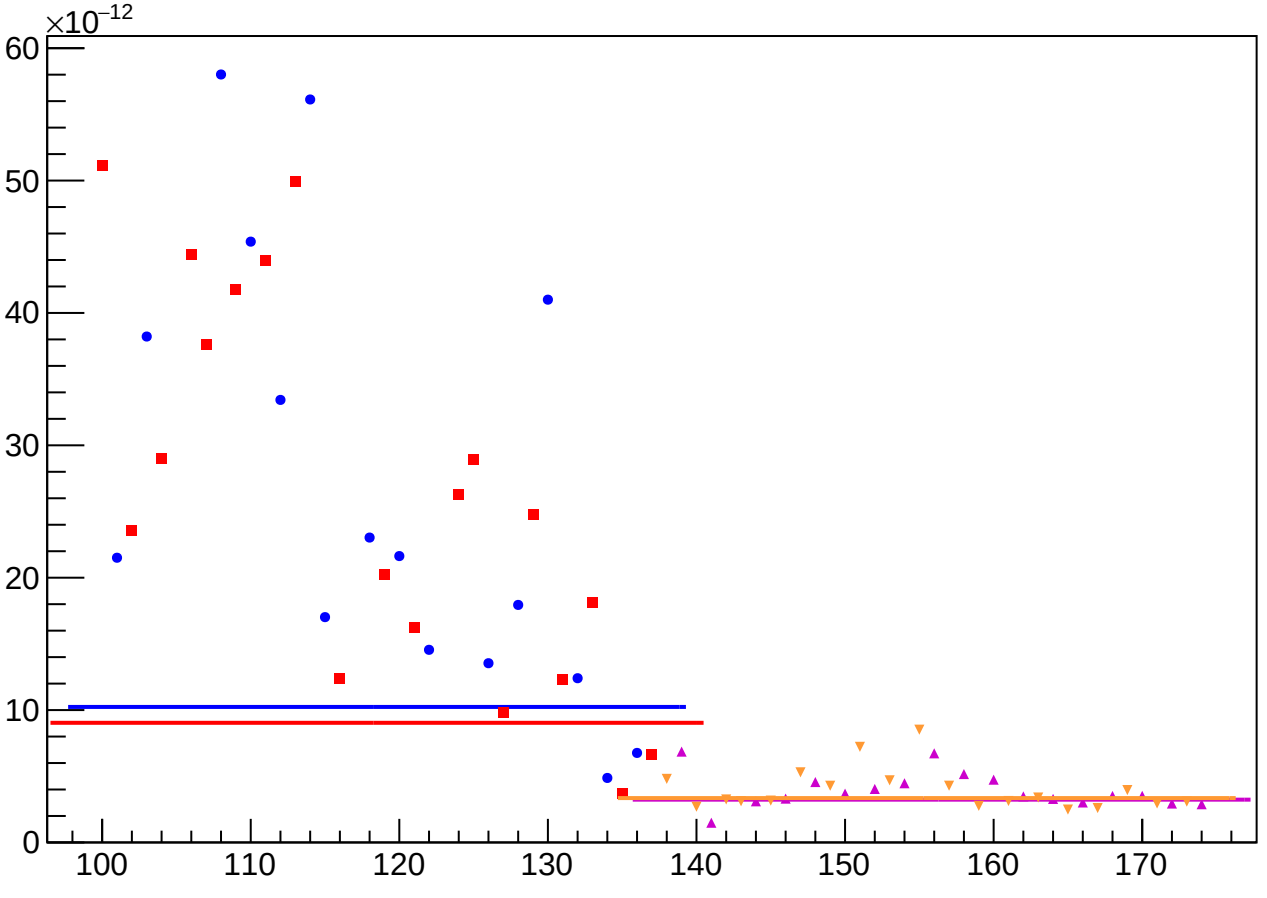
In: 28.390+/-0.005 χ^2/NDF:3445071.9/33

Out: 28.939+/-0.005 χ^2/NDF:3864623.2/37

All: 28.661+/-0.003 χ^2/NDF: 7316816.8/71


asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10⁻¹²
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 10.1/15
Left Out: 0.000+/-0.000 χ²/NDF:23.4/18
Right Out: -0.000+/-0.000 χ²/NDF: 21.4/18
Left In: 0.000+/-0.000 χ²/NDF:17.3/17
Left: 0.000+/-0.000 χ²/NDF: 43.3/36
Right: 0.000+/-0.000 χ²/NDF: 36.6/34
In: 0.000+/-0.000 χ²/NDF:30.3/33
Out: 0.000+/-0.000 χ²/NDF:48.3/37
All: 0.000+/-0.000 χ²/NDF: 79.9/71

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3511693.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1418100.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4514368.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1940294.0/17

Left: 0.000+/-0.000 χ^2/NDF: 3369137.0/36

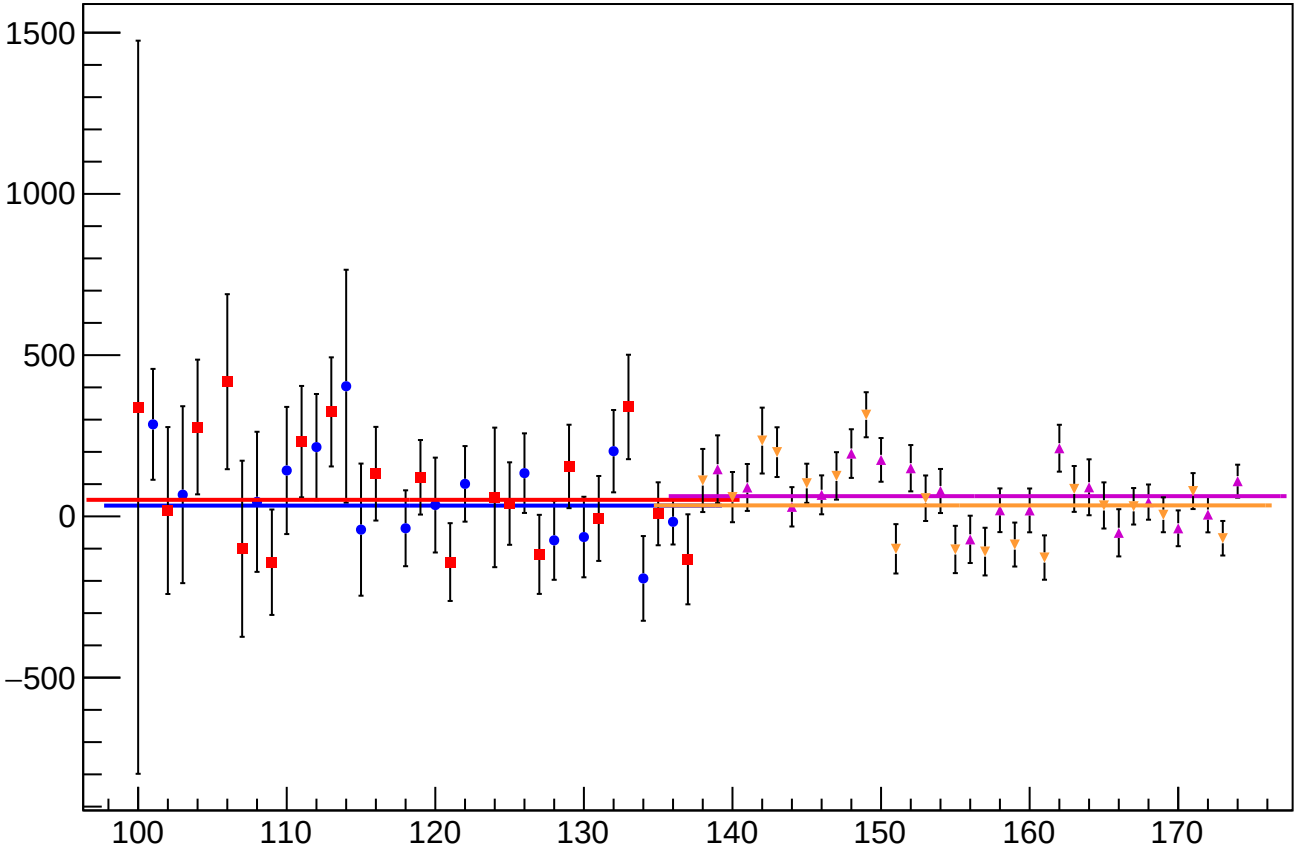
Right: 0.000+/-0.000 χ^2/NDF: 8066534.1/34

In: 0.000+/-0.000 χ^2/NDF:8086653.3/33

Out: 0.000+/-0.000 χ^2/NDF:7708046.5/37

All: 0.000+/-0.000 χ^2/NDF: 15800729.3/71

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 33.431+/-33.881 χ^2/NDF: 12.8/15

Left Out: 34.081+/-15.660 χ^2/NDF:52.4/18

Right Out: 51.335+/-34.851 χ^2/NDF: 19.6/18

Left In: 62.724+/-15.572 χ^2/NDF:24.5/17

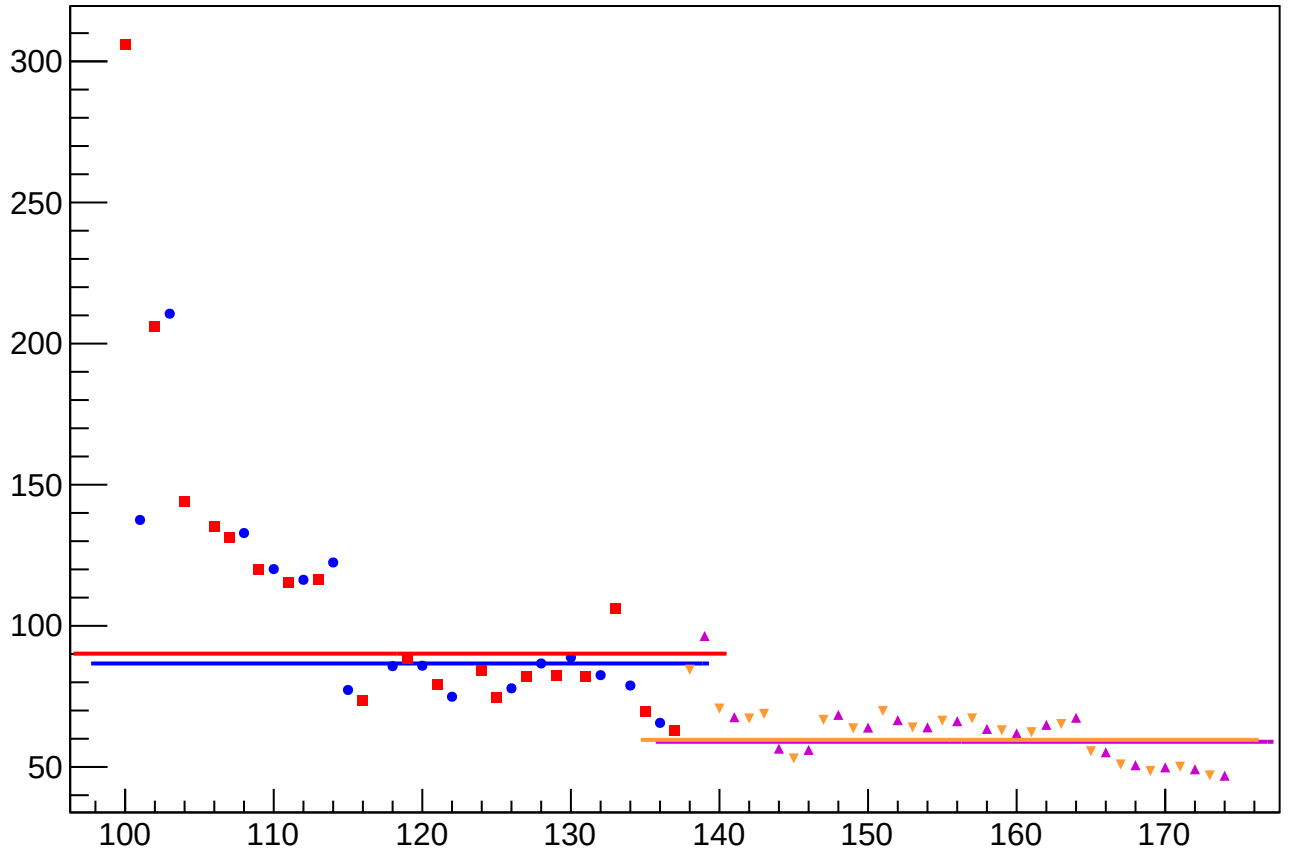
Left: 48.483+/-11.042 χ^2/NDF: 78.6/36

Right: 42.130+/-24.293 χ^2/NDF: 32.5/34

In: 57.615+/-14.149 χ^2/NDF:37.9/33

Out: 36.980+/-14.284 χ^2/NDF:72.1/37

All: 47.395+/-10.052 χ^2/NDF: 111.1/71



Right In: 86.666+/-0.024 χ^2/NDF: 1038813.4/15

Left Out: 59.606+/-0.011 χ^2/NDF:665354.5/18

Right Out: 90.153+/-0.025 χ^2/NDF: 1149976.9/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

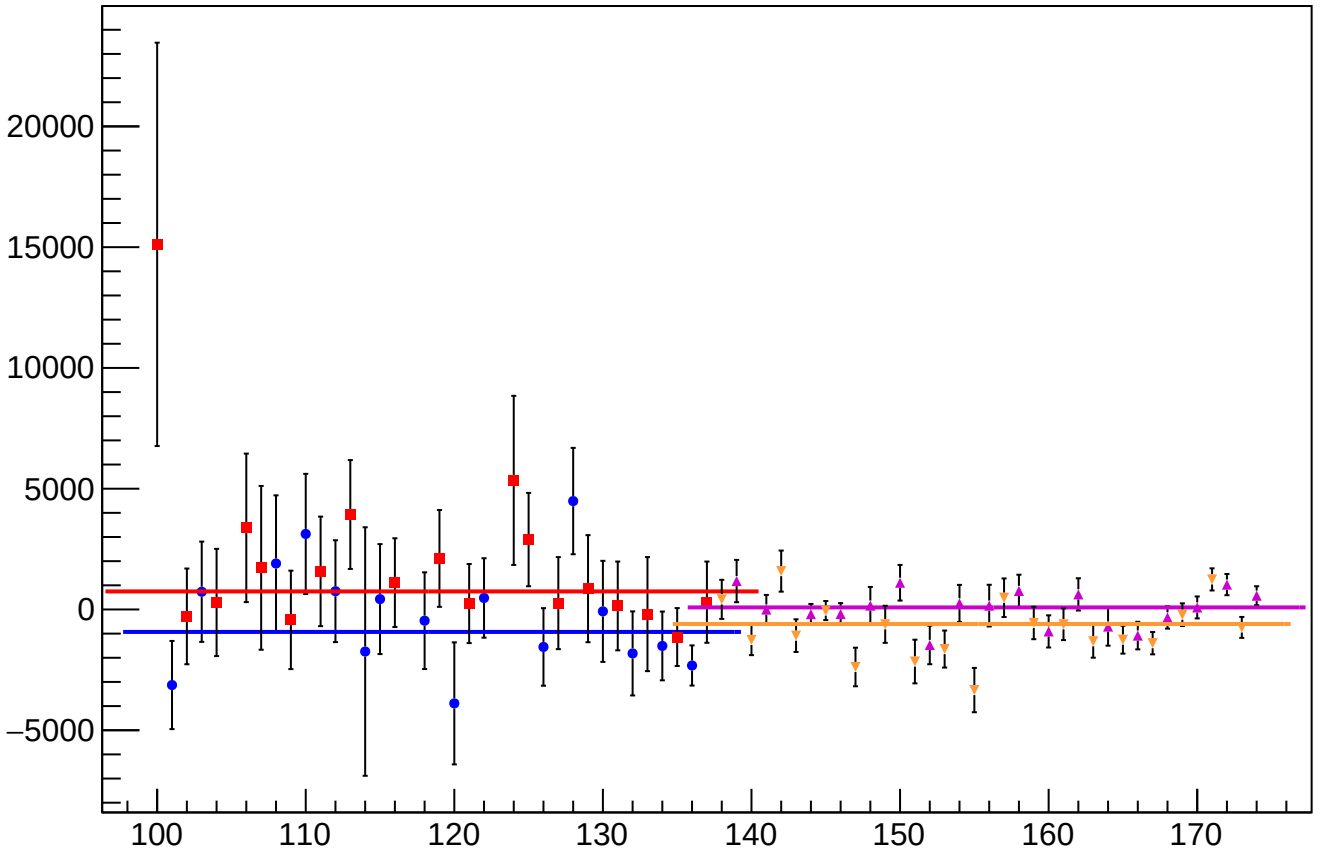
Left: 59.265+/-0.008 χ^2/NDF: 1378524.3/36

Right: 88.360+/-0.017 χ^2/NDF: 2199082.5/34

In: 63.766+/-0.010 χ^2/NDF:2856787.9/33

Out: 64.738+/-0.010 χ^2/NDF:3093710.6/37

All: 64.247+/-0.007 χ^2/NDF: 5955166.0/71



Right In: -929.821+/-440.893 χ^2/NDF: 18.5/15

Left Out: -600.367+/-138.697 χ^2/NDF:54.7/18

Right Out: 747.199+/-467.902 χ^2/NDF: 13.0/18

Left In: 84.820+/-134.463 χ^2/NDF:24.2/17

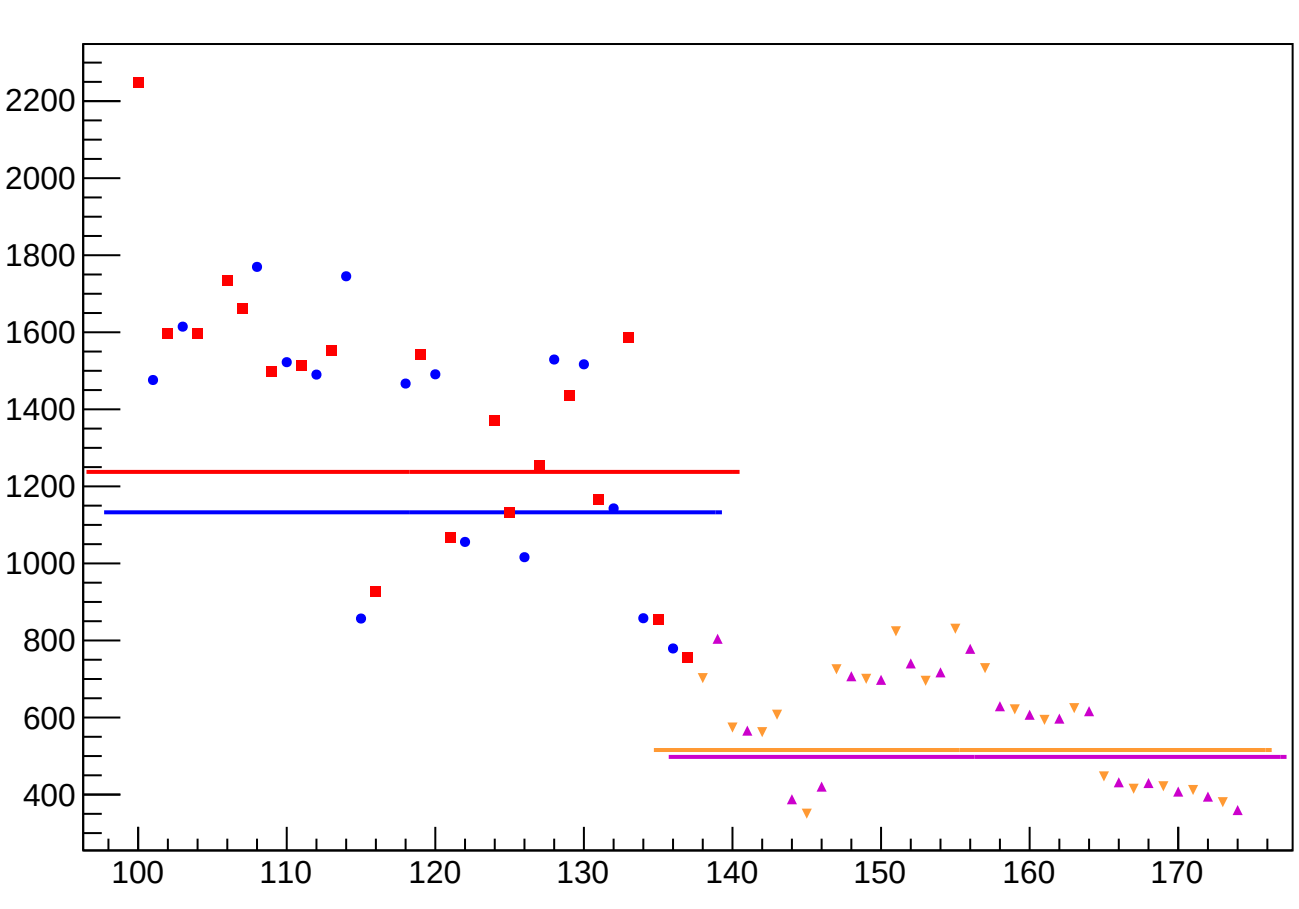
Left: -247.156+/-96.542 χ^2/NDF: 91.4/36

Right: -141.108+/-320.882 χ^2/NDF: 38.3/34

In: -1.523+/-128.615 χ^2/NDF:47.6/33

Out: -491.525+/-132.978 χ^2/NDF:75.3/37

All: -238.354+/-92.448 χ^2/NDF: 129.9/71



Right In: 1132.688+/-0.312 χ^2/NDF: 1124151.1/15

Left Out: 515.668+/-0.098 χ^2/NDF:2120110.0/18

Right Out: 1237.591+/-0.331 χ^2/NDF: 895314.3/18

Left In: 497.777+/-0.095 χ^2/NDF:2045373.8/17

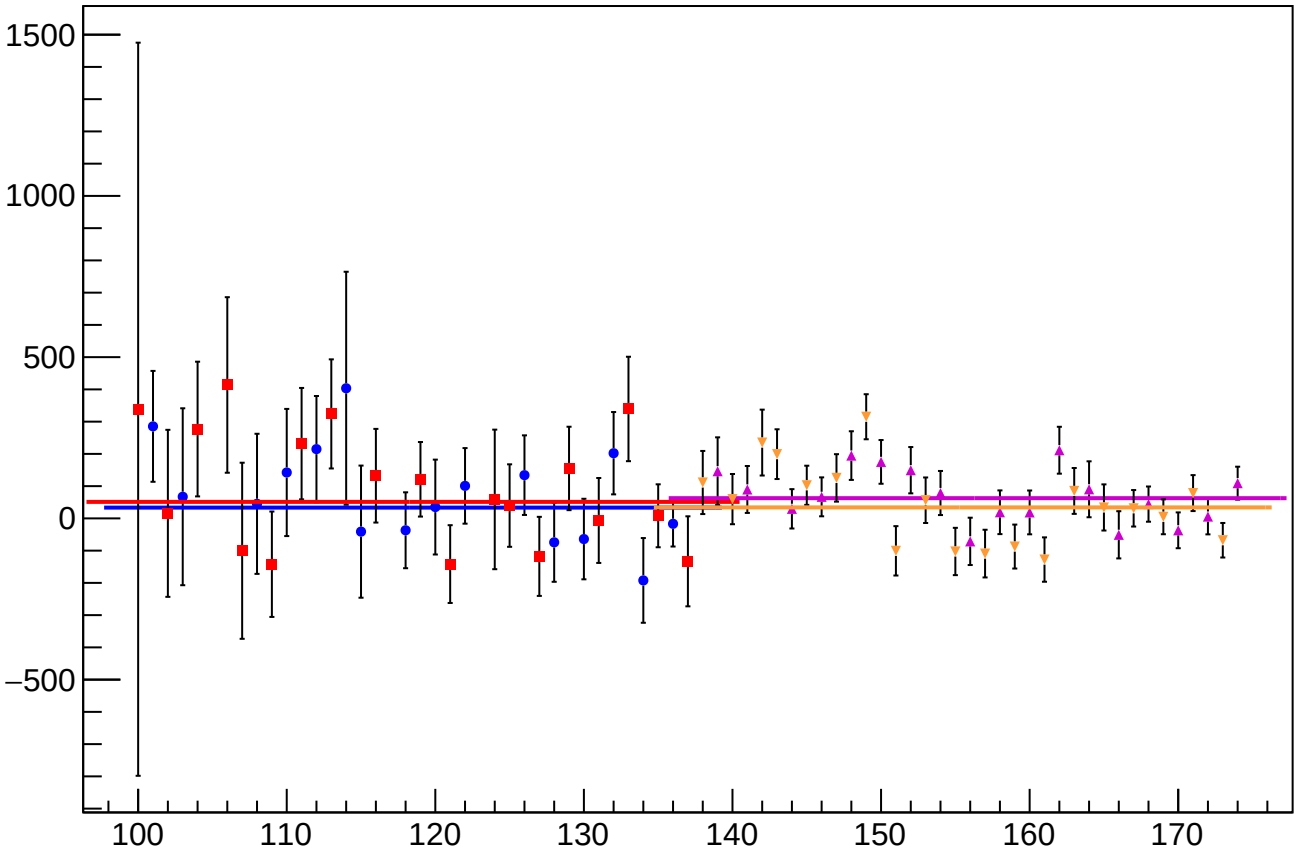
Left: 506.445+/-0.068 χ^2/NDF: 4182637.3/36

Right: 1182.025+/-0.227 χ^2/NDF: 2072715.6/34

In: 551.806+/-0.091 χ^2/NDF:6964105.5/33

Out: 573.977+/-0.094 χ^2/NDF:7391918.4/37

All: 562.522+/-0.065 χ^2/NDF: 14384747.7/71



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 34.083+/-15.660 χ^2/NDF:52.4/18

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 62.722+/-15.572 χ^2/NDF:24.5/17

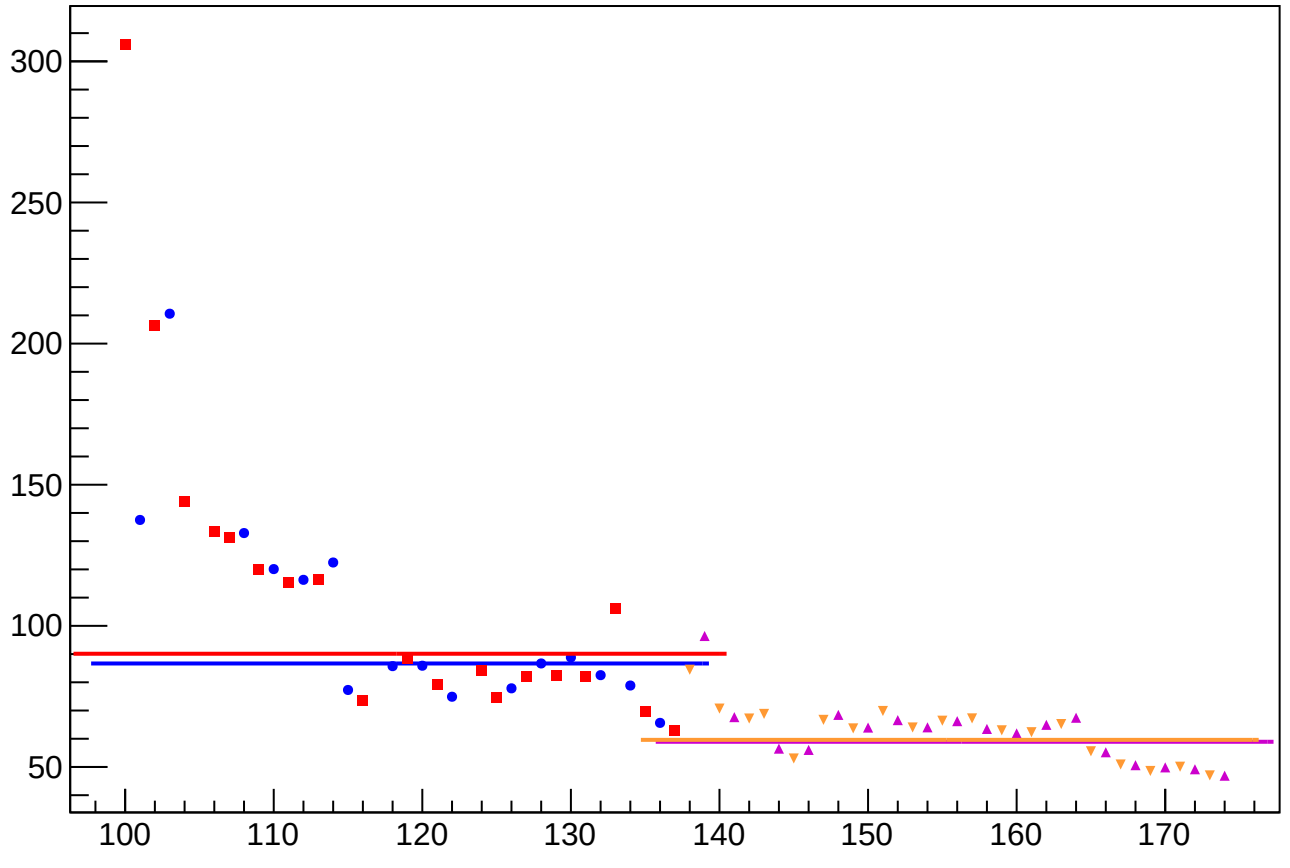
Left: 48.483+/-11.042 χ^2/NDF: 78.6/36

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 57.612+/-14.149 χ^2/NDF:37.9/33

Out: 36.956+/-14.284 χ^2/NDF:72.1/37

All: 47.382+/-10.053 χ^2/NDF: 111.1/71



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.606+/-0.011 χ^2/NDF:665354.5/18

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

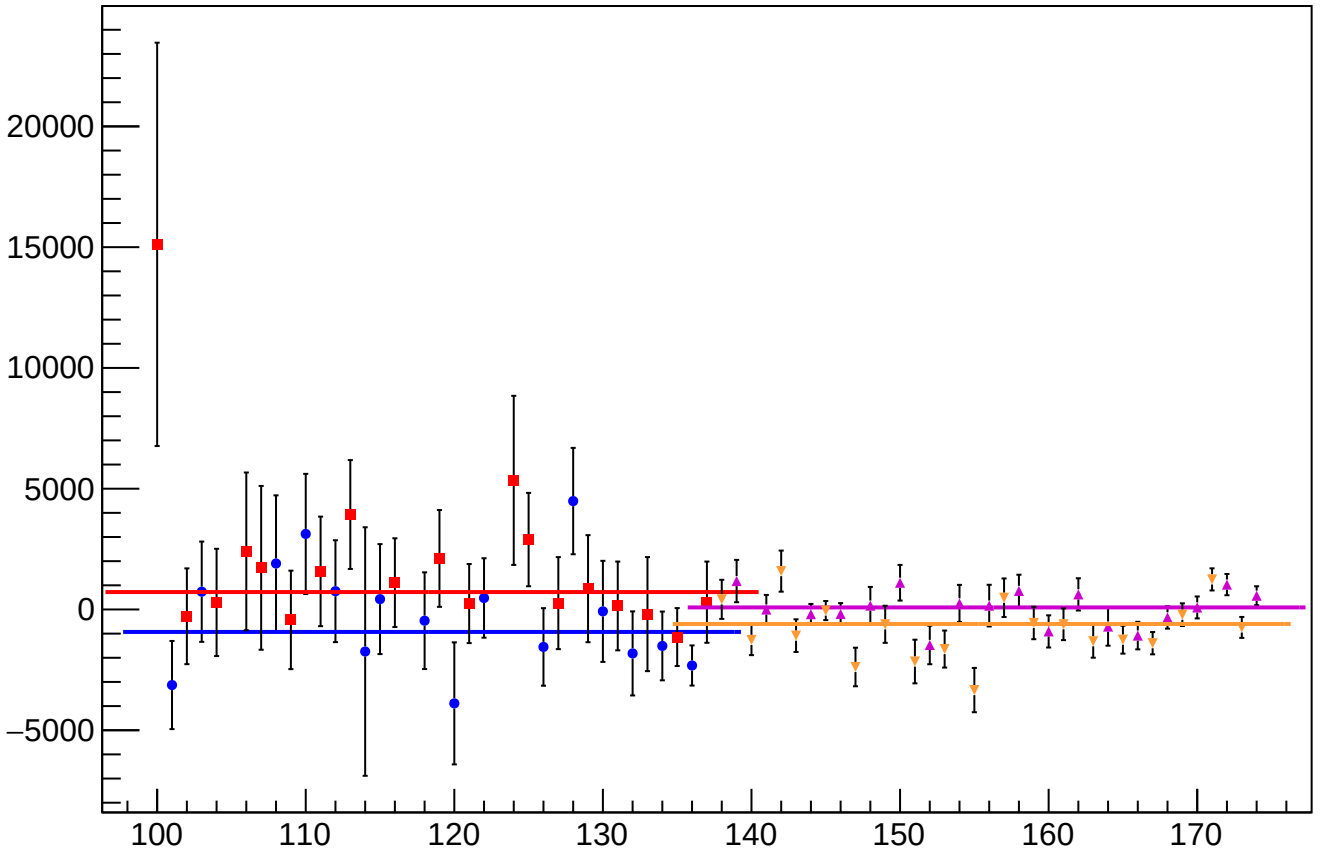
Left: 59.265+/-0.008 χ^2/NDF: 1378524.2/36

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.766+/-0.010 χ^2/NDF:2856790.2/33

Out: 64.731+/-0.010 χ^2/NDF:3085785.1/37

All: 64.244+/-0.007 χ^2/NDF: 5947178.2/71



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -600.363+/-138.697 χ^2/NDF:54.7/18

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 84.817+/-134.463 χ^2/NDF:24.2/17

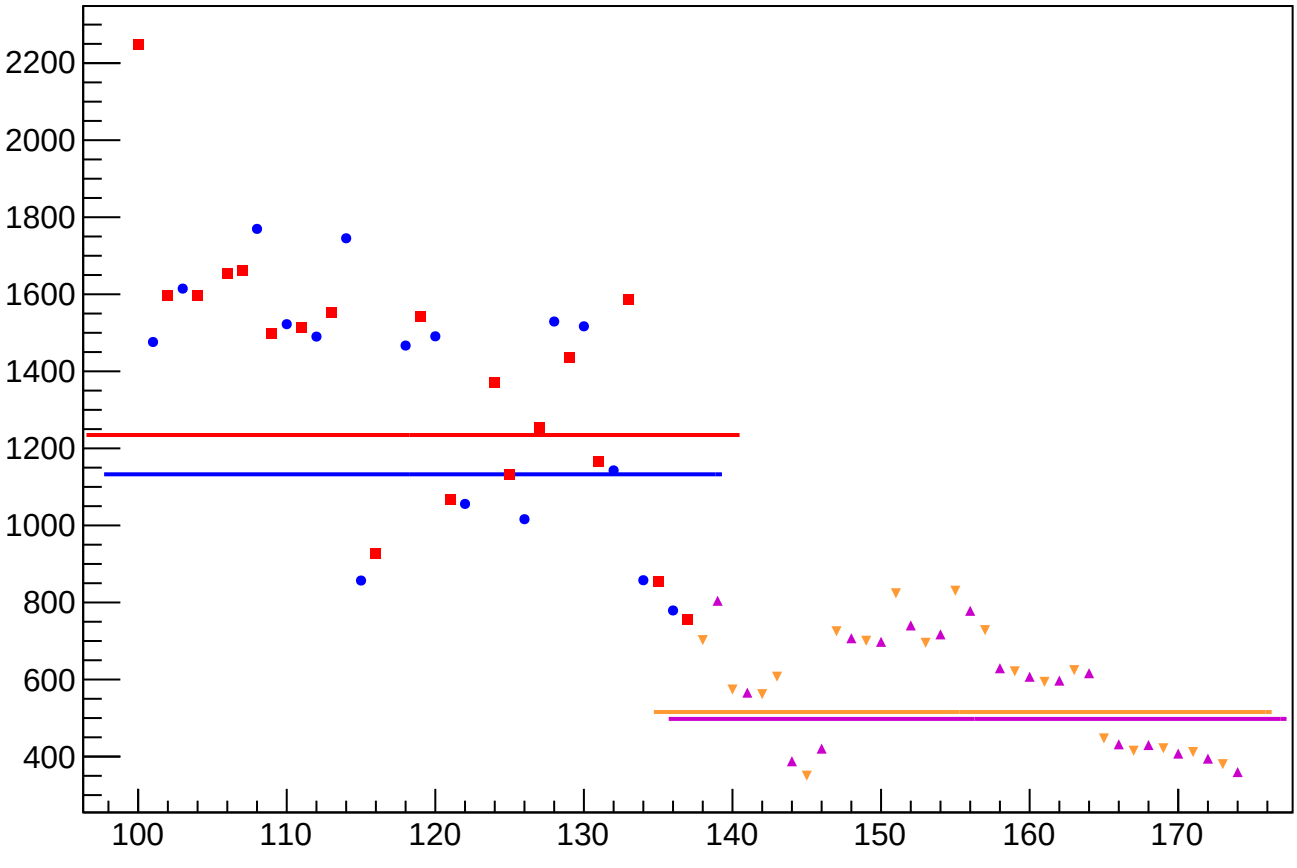
Left: -247.156+/-96.542 χ^2/NDF: 91.4/36

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -1.523+/-128.615 χ^2/NDF:47.6/33

Out: -493.936+/-132.992 χ^2/NDF:74.5/37

All: -239.492+/-92.453 χ^2/NDF: 129.1/71


asym_sam_3726_avg_cor_correction_rms vs Slug, Sign Corrected
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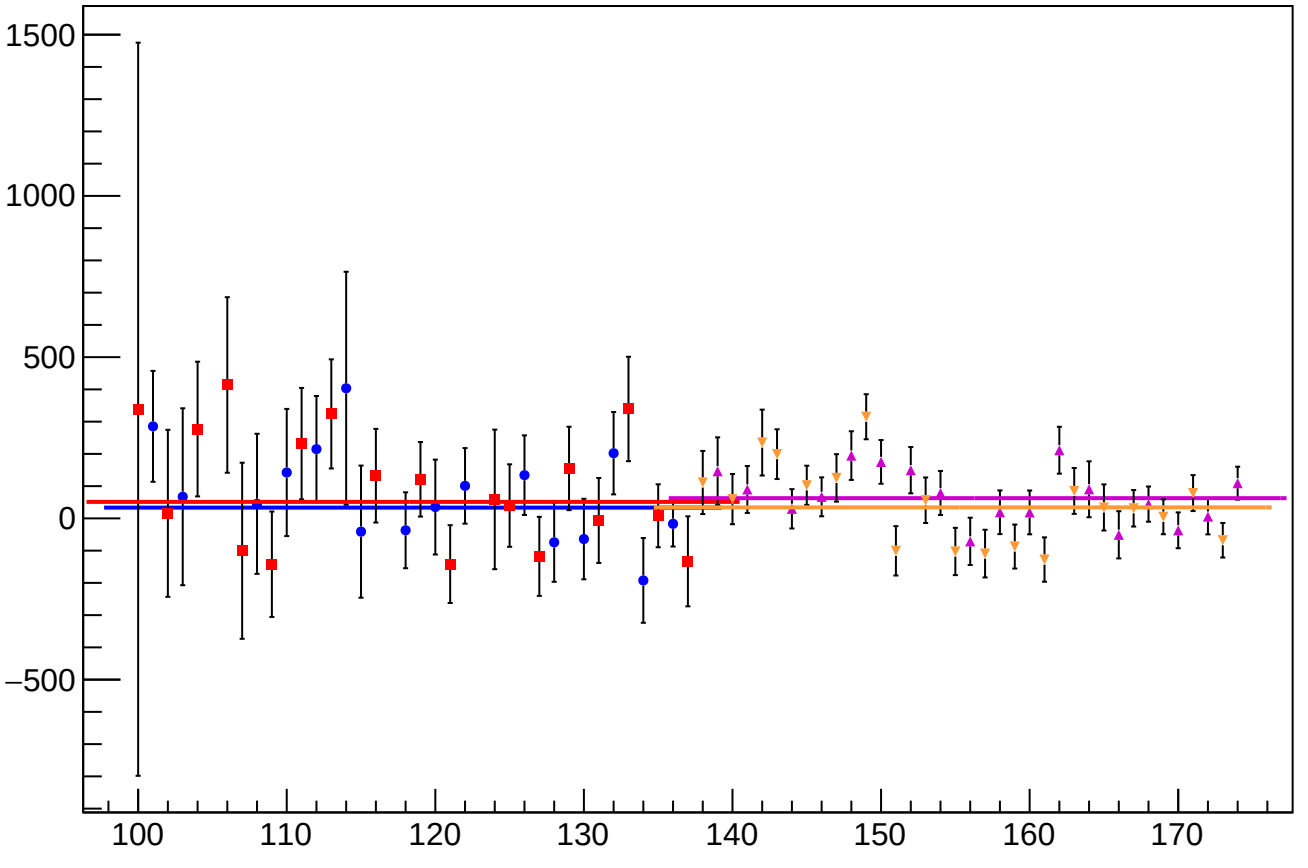
Right In: 1132.689+/-0.312 χ²/NDF: 1124187.2/15
Left Out: 515.667+/-0.098 χ²/NDF:2120113.3/18
Right Out: 1234.709+/-0.331 χ²/NDF: 876272.4/18
Left In: 497.777+/-0.095 χ²/NDF:2045375.4/17
Left: 506.445+/-0.068 χ²/NDF: 4182641.6/36
Right: 1180.601+/-0.227 χ²/NDF: 2050749.6/34
In: 551.806+/-0.091 χ²/NDF:6964139.4/33
Out: 573.599+/-0.094 χ²/NDF:7327150.0/37
All: 562.338+/-0.065 χ²/NDF: 14319038.5/71



Right In: 33.422+/-33.881 χ^2/NDF: 12.8/15

Left Out: 34.083+/-15.660 χ^2/NDF:52.4/18

Right Out: 51.188+/-34.853 χ^2/NDF: 19.5/18

Left In: 62.722+/-15.572 χ^2/NDF:24.5/17

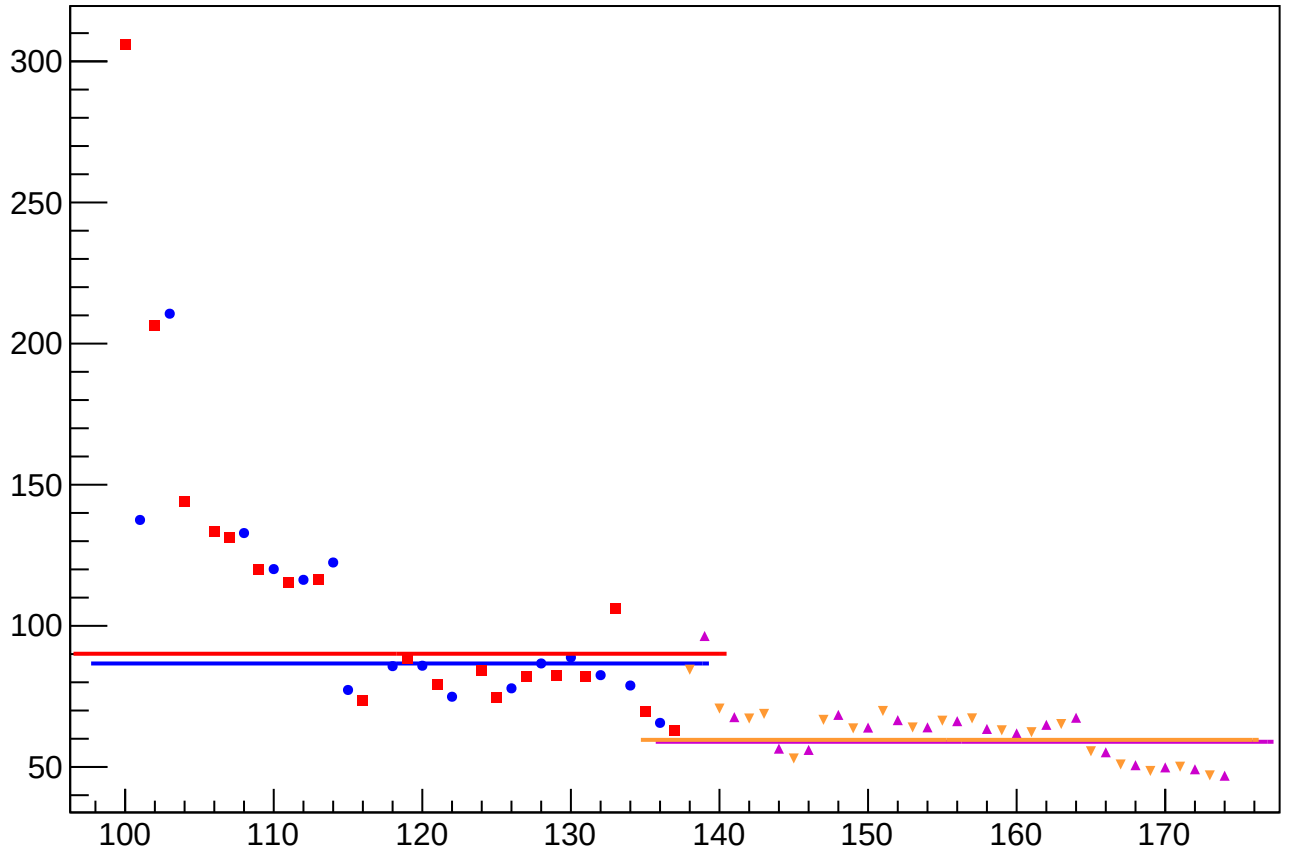
Left: 48.483+/-11.042 χ^2/NDF: 78.6/36

Right: 42.054+/-24.294 χ^2/NDF: 32.5/34

In: 57.612+/-14.149 χ^2/NDF:37.9/33

Out: 36.956+/-14.284 χ^2/NDF:72.1/37

All: 47.382+/-10.053 χ^2/NDF: 111.1/71



Right In: 86.666+/-0.024 χ^2/NDF: 1038816.2/15

Left Out: 59.606+/-0.011 χ^2/NDF:665354.5/18

Right Out: 90.116+/-0.025 χ^2/NDF: 1145283.2/18

Left In: 58.929+/-0.011 χ^2/NDF:711287.6/17

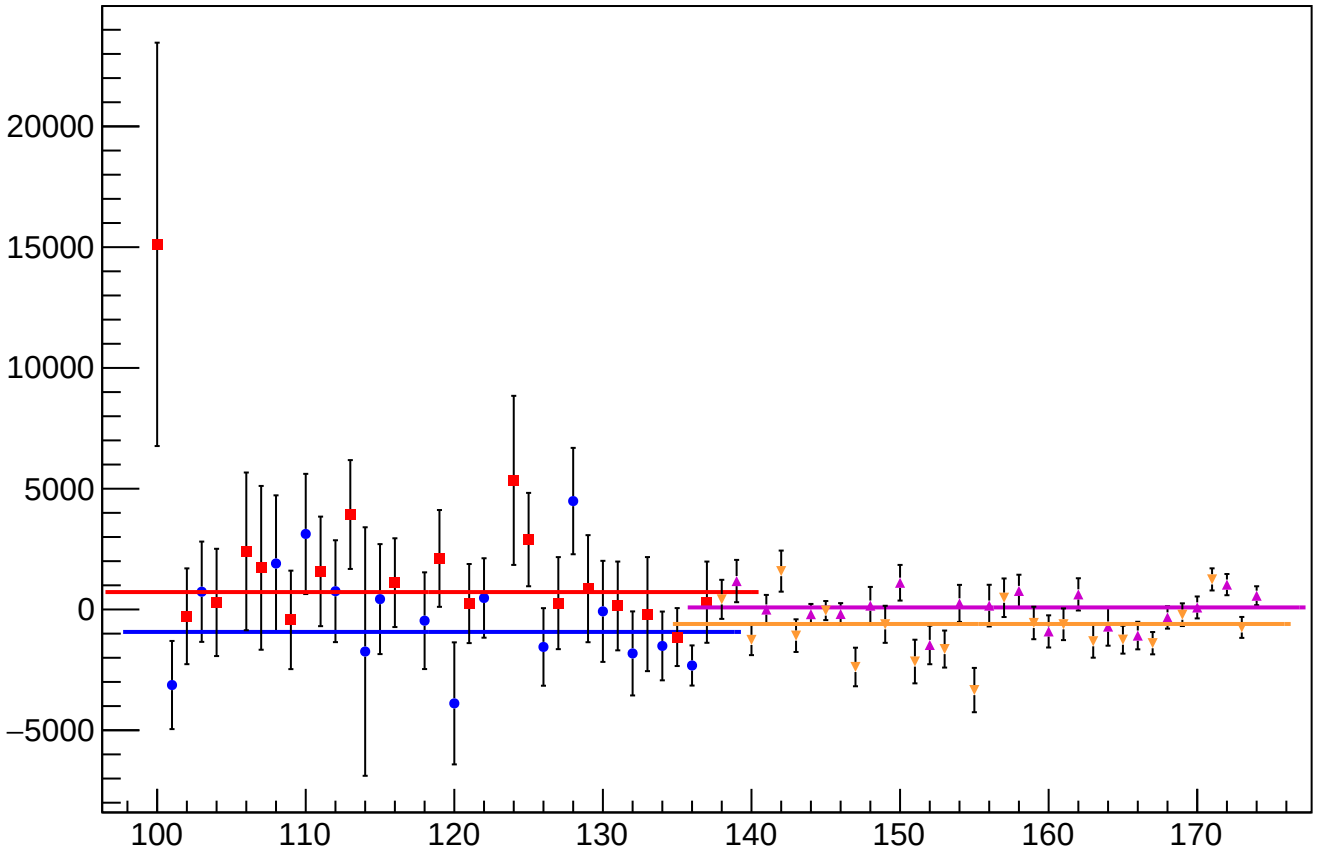
Left: 59.265+/-0.008 χ^2/NDF: 1378524.2/36

Right: 88.342+/-0.017 χ^2/NDF: 2194173.3/34

In: 63.766+/-0.010 χ^2/NDF:2856790.2/33

Out: 64.731+/-0.010 χ^2/NDF:3085785.1/37

All: 64.244+/-0.007 χ^2/NDF: 5947178.2/71



Right In: -929.788+/-440.894 χ^2/NDF: 18.5/15

Left Out: -600.363+/-138.697 χ^2/NDF:54.7/18

Right Out: 720.600+/-468.540 χ^2/NDF: 12.5/18

Left In: 84.817+/-134.463 χ^2/NDF:24.2/17

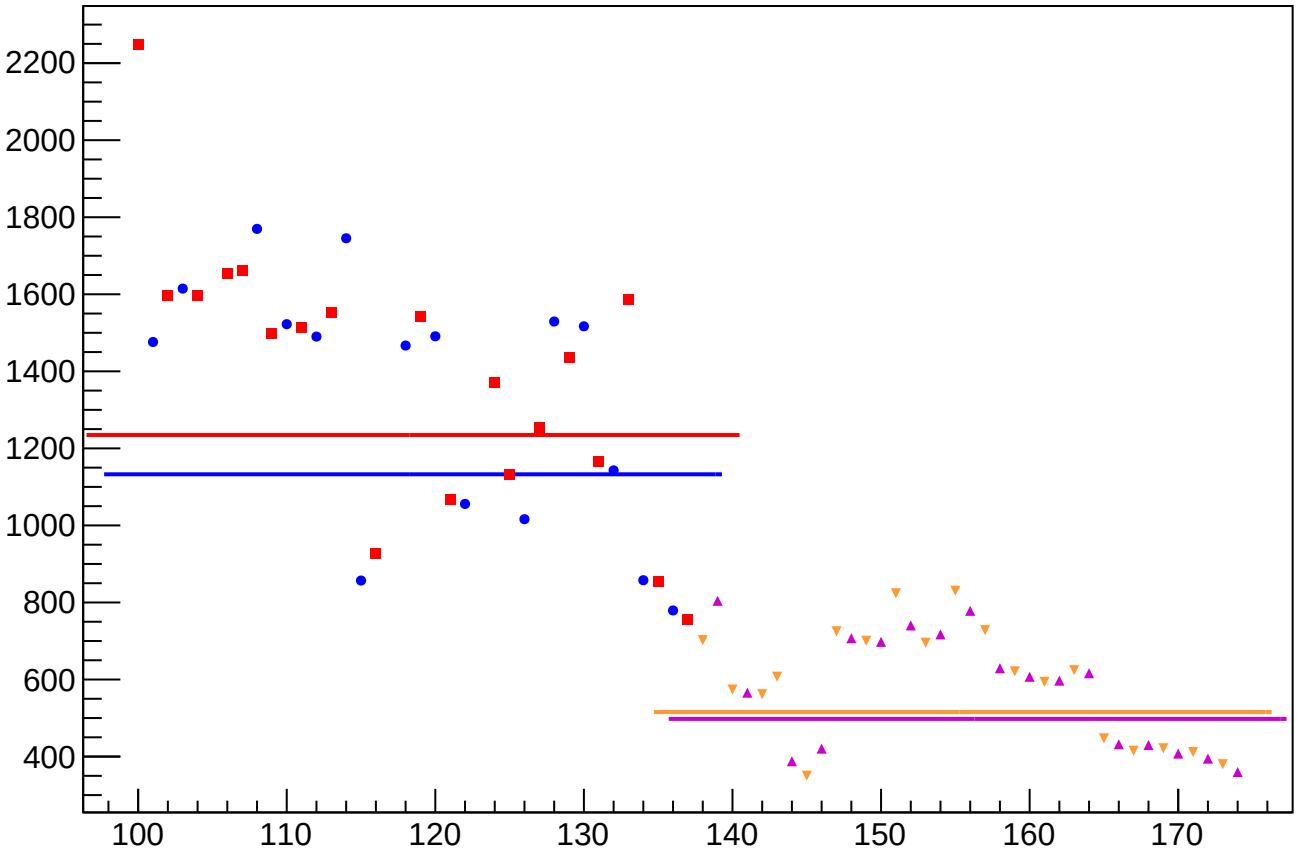
Left: -247.156+/-96.542 χ^2/NDF: 91.4/36

Right: -154.717+/-321.088 χ^2/NDF: 37.6/34

In: -1.523+/-128.615 χ^2/NDF:47.6/33

Out: -493.936+/-132.992 χ^2/NDF:74.5/37

All: -239.492+/-92.453 χ^2/NDF: 129.1/71


asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
2200
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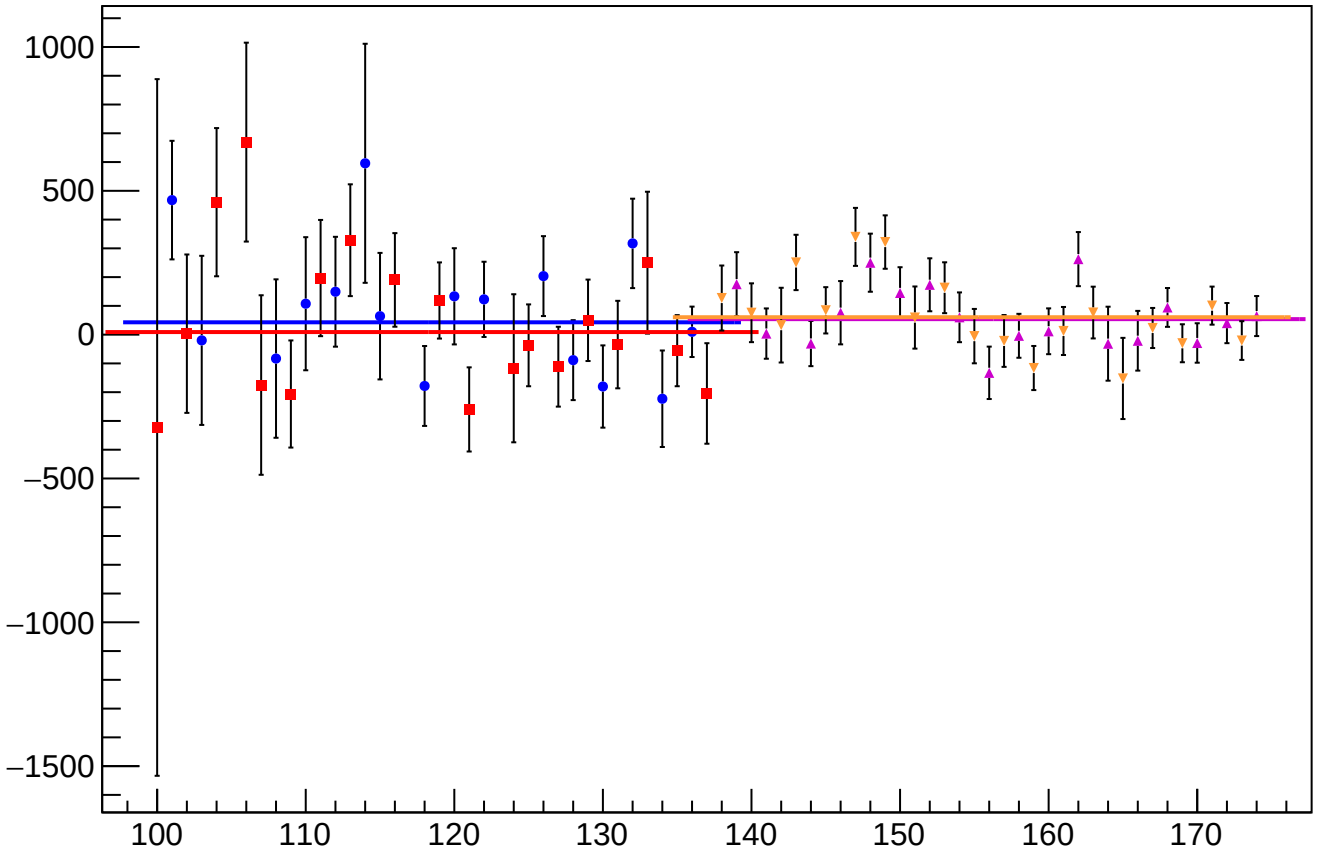
Right In: 1132.689+/-0.312 χ²/NDF: 1124187.2/15
Left Out: 515.667+/-0.098 χ²/NDF:2120113.3/18
Right Out: 1234.709+/-0.331 χ²/NDF: 876272.4/18
Left In: 497.777+/-0.095 χ²/NDF:2045375.4/17
Left: 506.445+/-0.068 χ²/NDF: 4182641.6/36
Right: 1180.601+/-0.227 χ²/NDF: 2050749.6/34
In: 551.806+/-0.091 χ²/NDF:6964139.4/33
Out: 573.599+/-0.094 χ²/NDF:7327150.0/37
All: 562.338+/-0.065 χ²/NDF: 14319038.5/71



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 60.544+/-19.876 χ^2/NDF:34.6/18

Right Out: 8.989+/-41.060 χ^2/NDF: 21.3/18

Left In: 53.941+/-20.037 χ^2/NDF:22.1/17

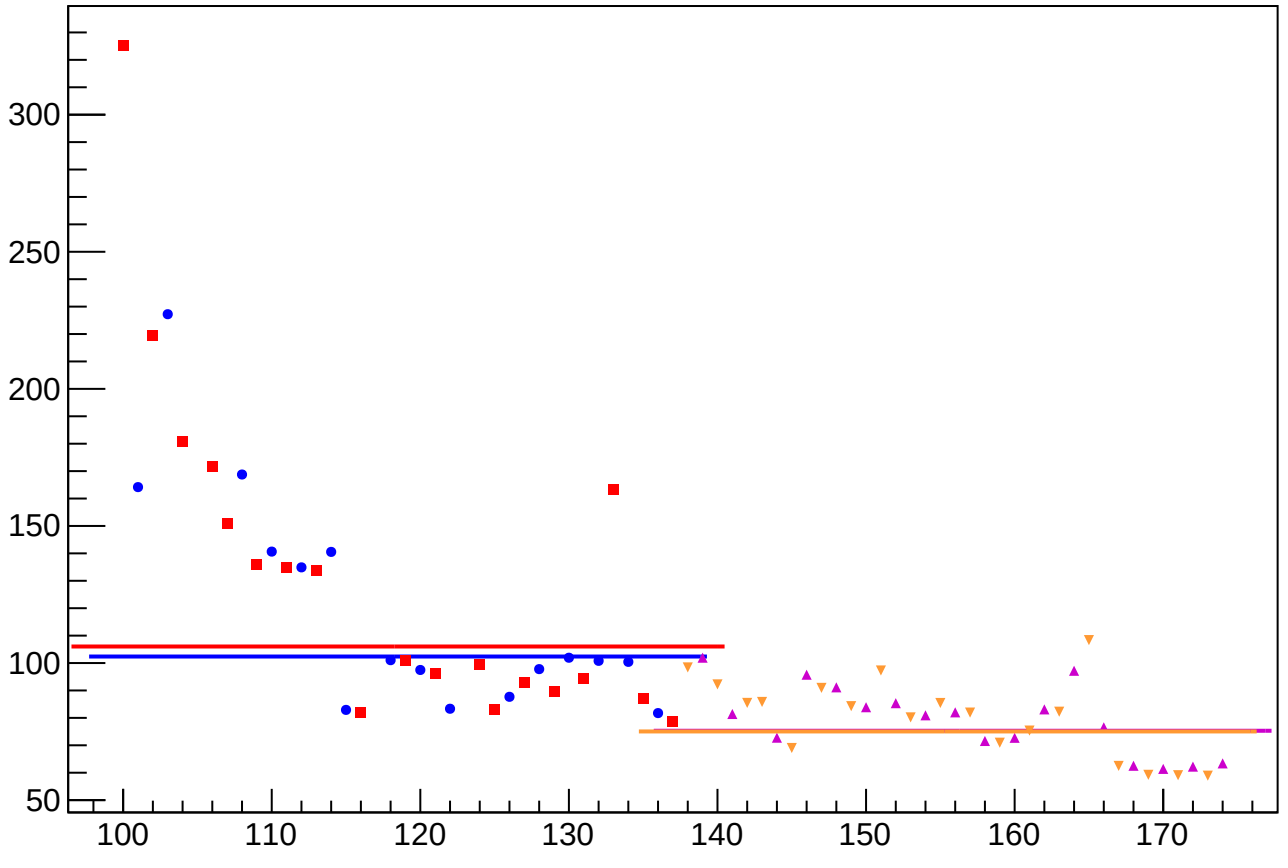
Left: 57.269+/-14.111 χ^2/NDF: 56.7/36

Right: 26.417+/-28.632 χ^2/NDF: 42.0/34

In: 51.724+/-17.910 χ^2/NDF:42.4/33

Out: 50.756+/-17.890 χ^2/NDF:57.2/37

All: 51.240+/-12.657 χ^2/NDF: 99.7/71



Right In: 102.378+/-0.028 χ^2/NDF: 982311.5/15

Left Out: 75.051+/-0.014 χ^2/NDF:929023.5/18

Right Out: 106.032+/-0.029 χ^2/NDF: 1191294.0/18

Left In: 75.300+/-0.014 χ^2/NDF:668034.7/17

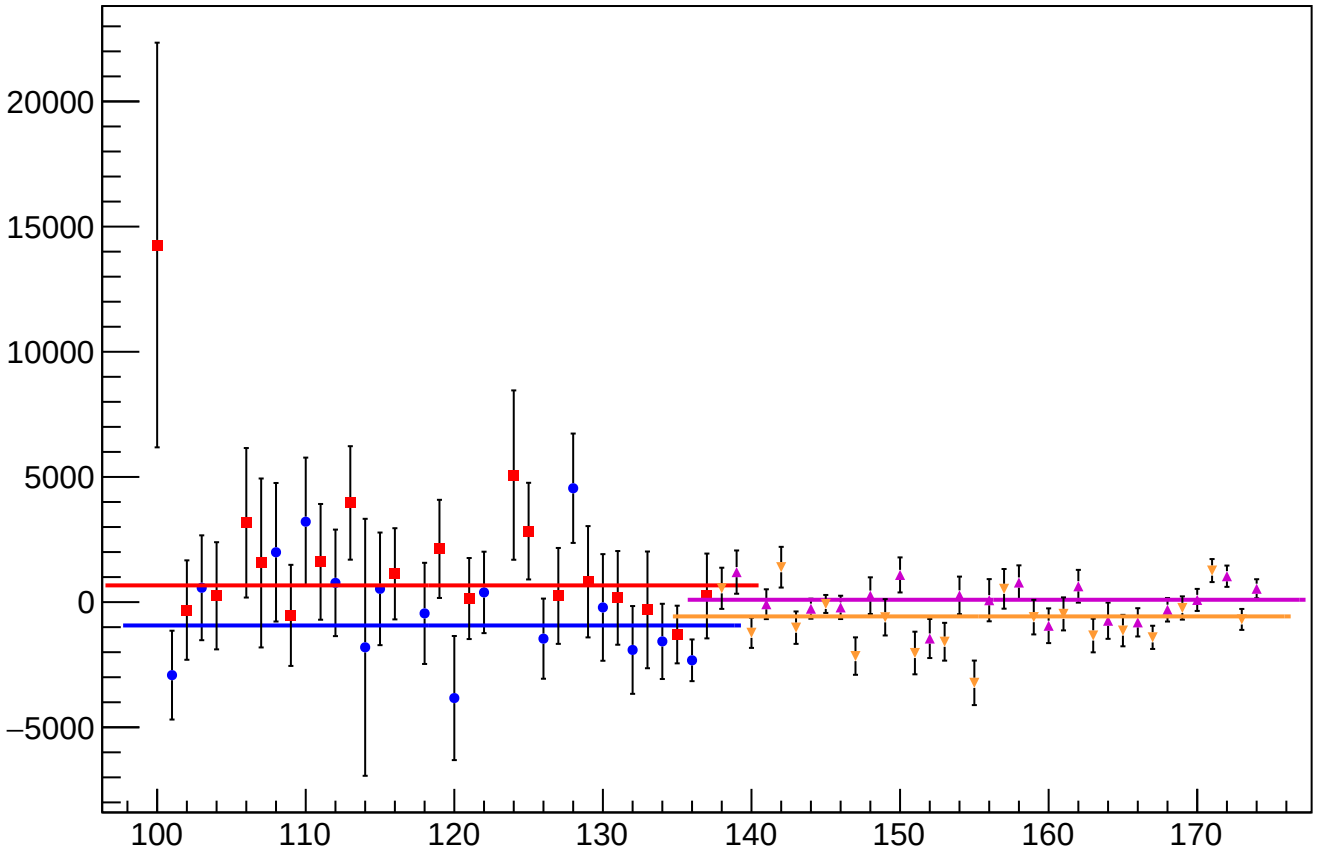
Left: 75.175+/-0.010 χ^2/NDF: 1597214.2/36

Right: 104.155+/-0.020 χ^2/NDF: 2181742.7/34

In: 80.743+/-0.013 χ^2/NDF:2384554.3/33

Out: 80.933+/-0.013 χ^2/NDF:3042811.9/37

All: 80.838+/-0.009 χ^2/NDF: 5427478.4/71



Right In: -932.381+/-442.724 χ^2/NDF: 18.5/15

Left Out: -570.521+/-135.548 χ^2/NDF:53.2/18

Right Out: 668.521+/-463.213 χ^2/NDF: 13.5/18

Left In: 94.149+/-131.890 χ^2/NDF:23.8/17

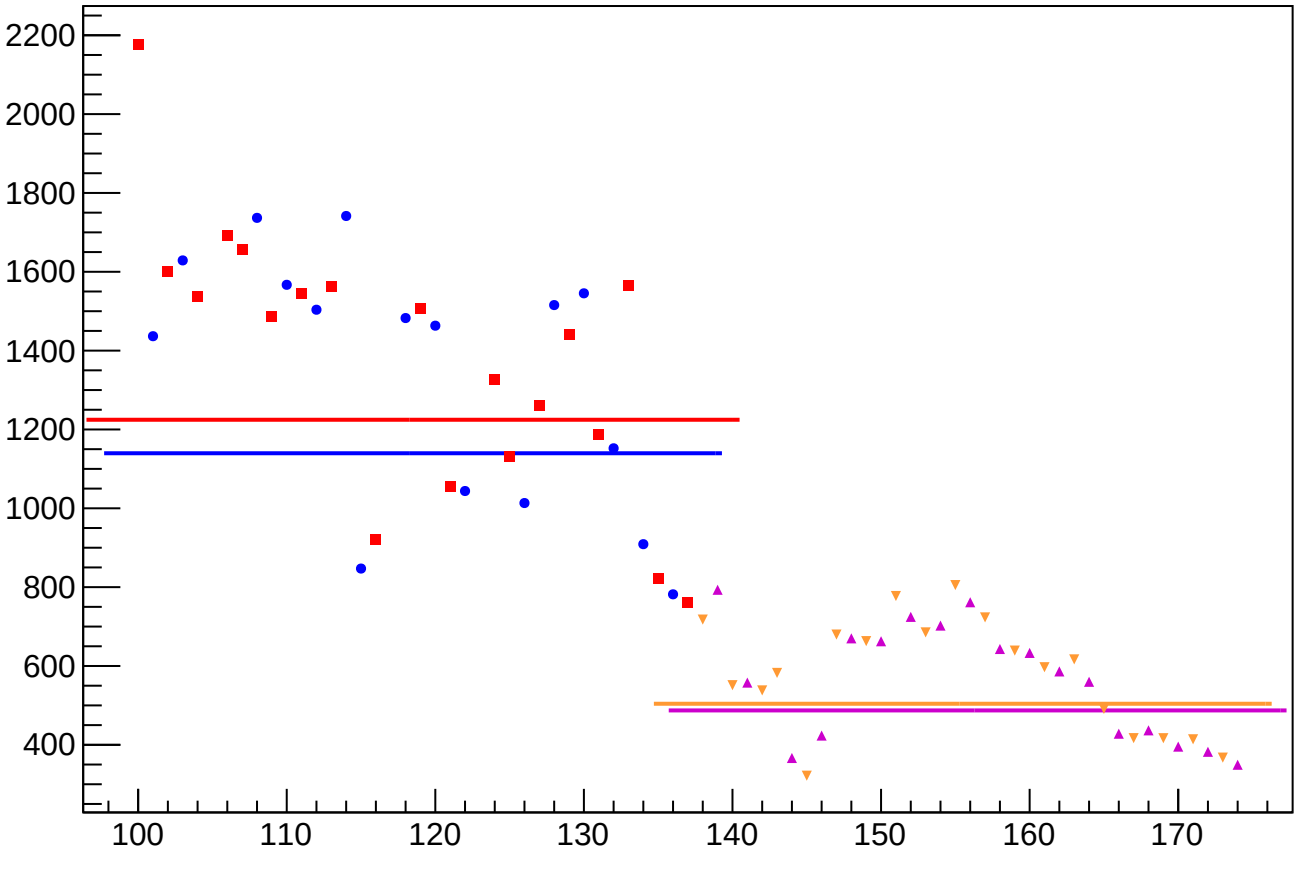
Left: -229.096+/-94.527 χ^2/NDF: 89.3/36

Right: -168.117+/-320.052 χ^2/NDF: 38.2/34

In: 10.473+/-126.400 χ^2/NDF:47.2/33

Out: -472.791+/-130.092 χ^2/NDF:73.2/37

All: -224.204+/-90.656 χ^2/NDF: 127.5/71



Right In: 1139.658+/-0.313 χ^2/NDF: 1093410.3/15

Left Out: 504.216+/-0.096 χ^2/NDF:2209815.4/18

Right Out: 1224.637+/-0.328 χ^2/NDF: 922388.4/18

Left In: 487.268+/-0.093 χ^2/NDF:2085049.7/17

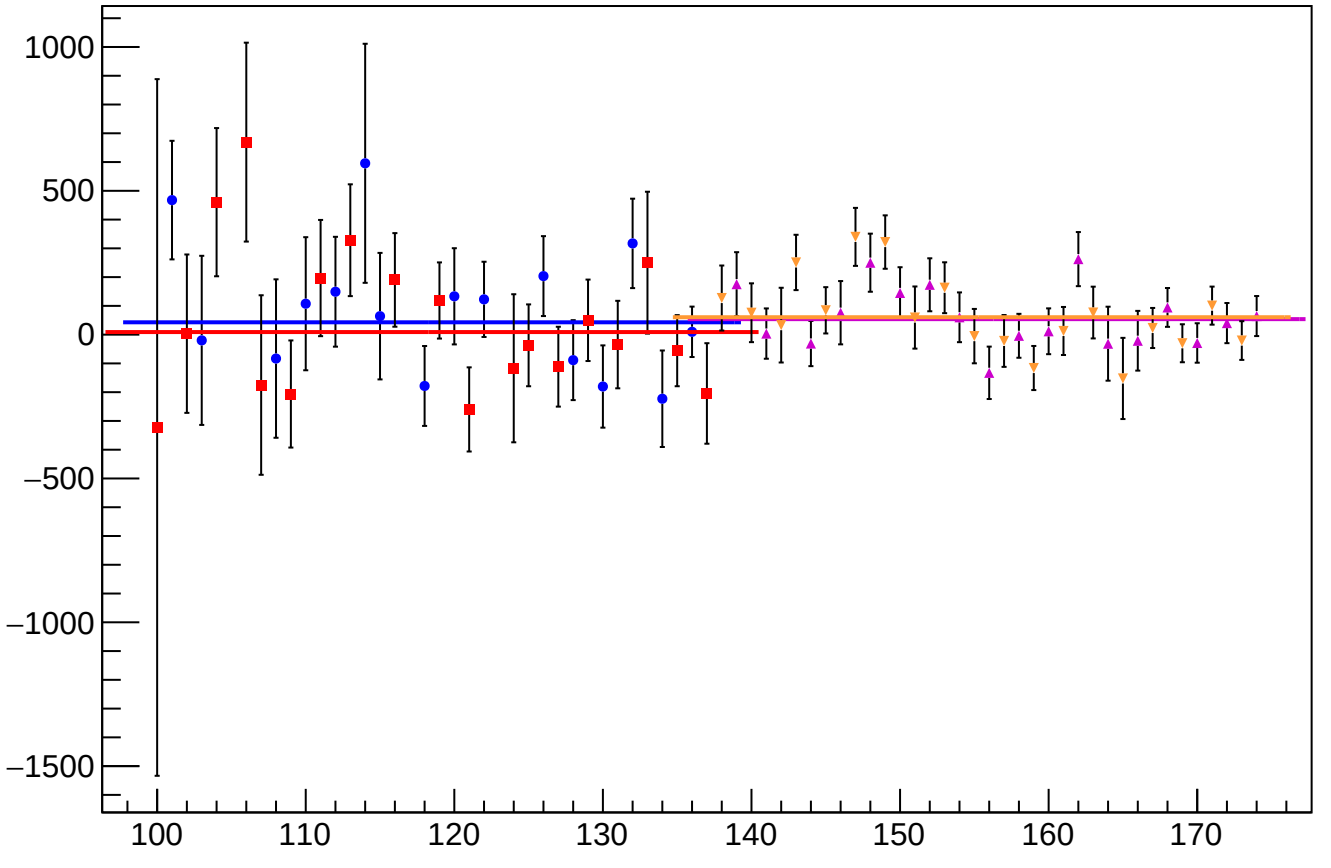
Left: 495.510+/-0.067 χ^2/NDF: 4310926.6/36

Right: 1180.226+/-0.226 χ^2/NDF: 2050976.5/34

In: 540.446+/-0.089 χ^2/NDF:7167330.9/33

Out: 561.040+/-0.092 χ^2/NDF:7588354.3/37

All: 550.447+/-0.064 χ^2/NDF: 14781464.7/71



Right In: 42.914+/-39.948 χ^2/NDF: 20.3/15

Left Out: 60.543+/-19.876 χ^2/NDF:34.6/18

Right Out: 8.986+/-41.060 χ^2/NDF: 21.3/18

Left In: 53.940+/-20.037 χ^2/NDF:22.1/17

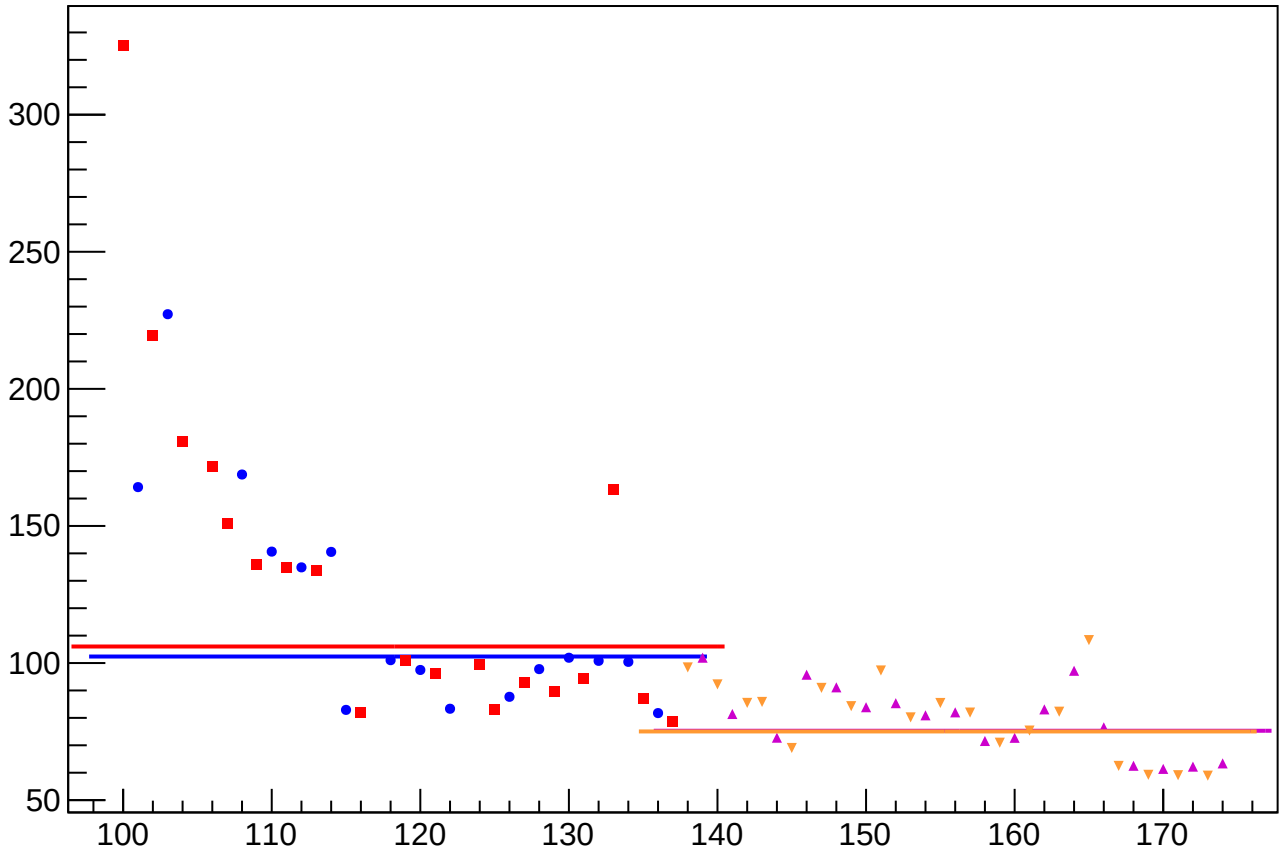
Left: 57.268+/-14.111 χ^2/NDF: 56.7/36

Right: 26.416+/-28.632 χ^2/NDF: 42.0/34

In: 51.724+/-17.910 χ^2/NDF:42.4/33

Out: 50.755+/-17.890 χ^2/NDF:57.2/37

All: 51.239+/-12.657 χ^2/NDF: 99.7/71



Right In: 102.378+/-0.028 χ^2/NDF: 982307.0/15

Left Out: 75.051+/-0.014 χ^2/NDF:929022.6/18

Right Out: 106.032+/-0.029 χ^2/NDF: 1191296.9/18

Left In: 75.301+/-0.014 χ^2/NDF:668030.6/17

Left: 75.175+/-0.010 χ^2/NDF: 1597209.3/36

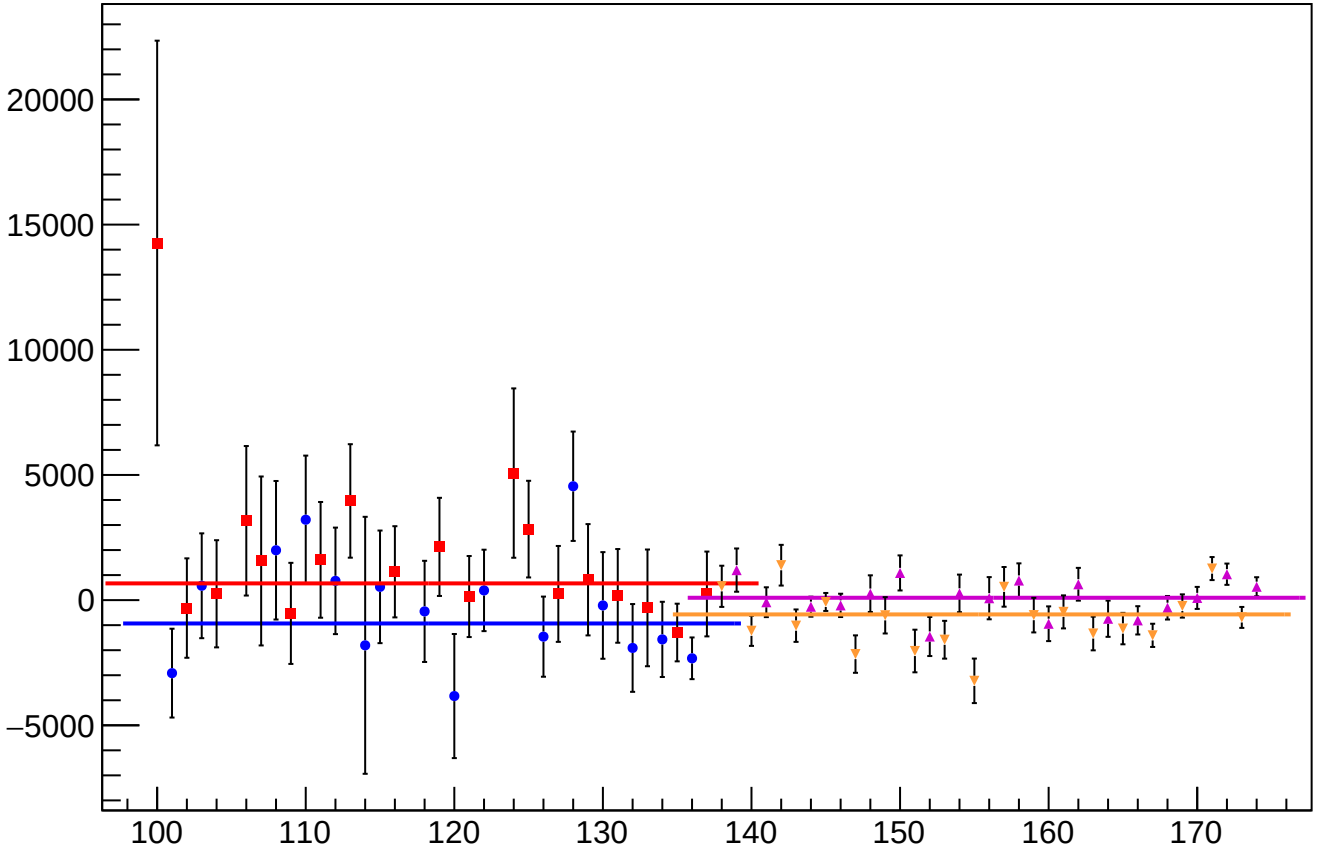
Right: 104.155+/-0.020 χ^2/NDF: 2181741.7/34

In: 80.744+/-0.013 χ^2/NDF:2384517.5/33

Out: 80.933+/-0.013 χ^2/NDF:3042794.7/37

All: 80.838+/-0.009 χ^2/NDF: 5427424.3/71

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -932.377+/-442.724 χ^2/NDF: 18.5/15

Left Out: -570.520+/-135.548 χ^2/NDF:53.2/18

Right Out: 668.522+/-463.212 χ^2/NDF: 13.5/18

Left In: 94.148+/-131.890 χ^2/NDF:23.8/17

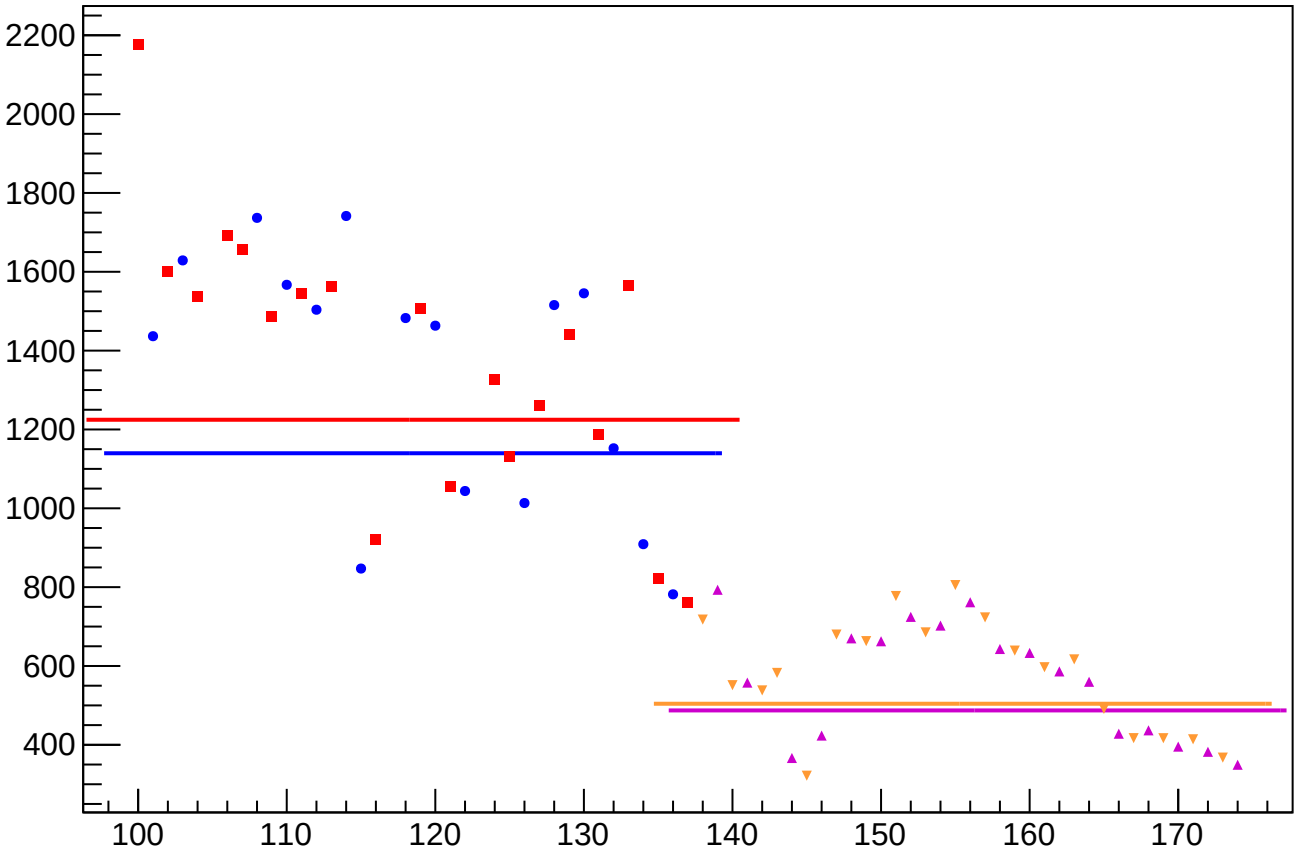
Left: -229.097+/-94.527 χ^2/NDF: 89.3/36

Right: -168.114+/-320.051 χ^2/NDF: 38.2/34

In: 10.472+/-126.400 χ^2/NDF:47.2/33

Out: -472.790+/-130.092 χ^2/NDF:73.2/37

All: -224.204+/-90.656 χ^2/NDF: 127.5/71



Right In: 1139.656+/-0.313 χ^2/NDF: 1093397.5/15

Left Out: 504.215+/-0.096 χ^2/NDF:2209823.7/18

Right Out: 1224.635+/-0.328 χ^2/NDF: 922378.0/18

Left In: 487.268+/-0.093 χ^2/NDF:2085043.3/17

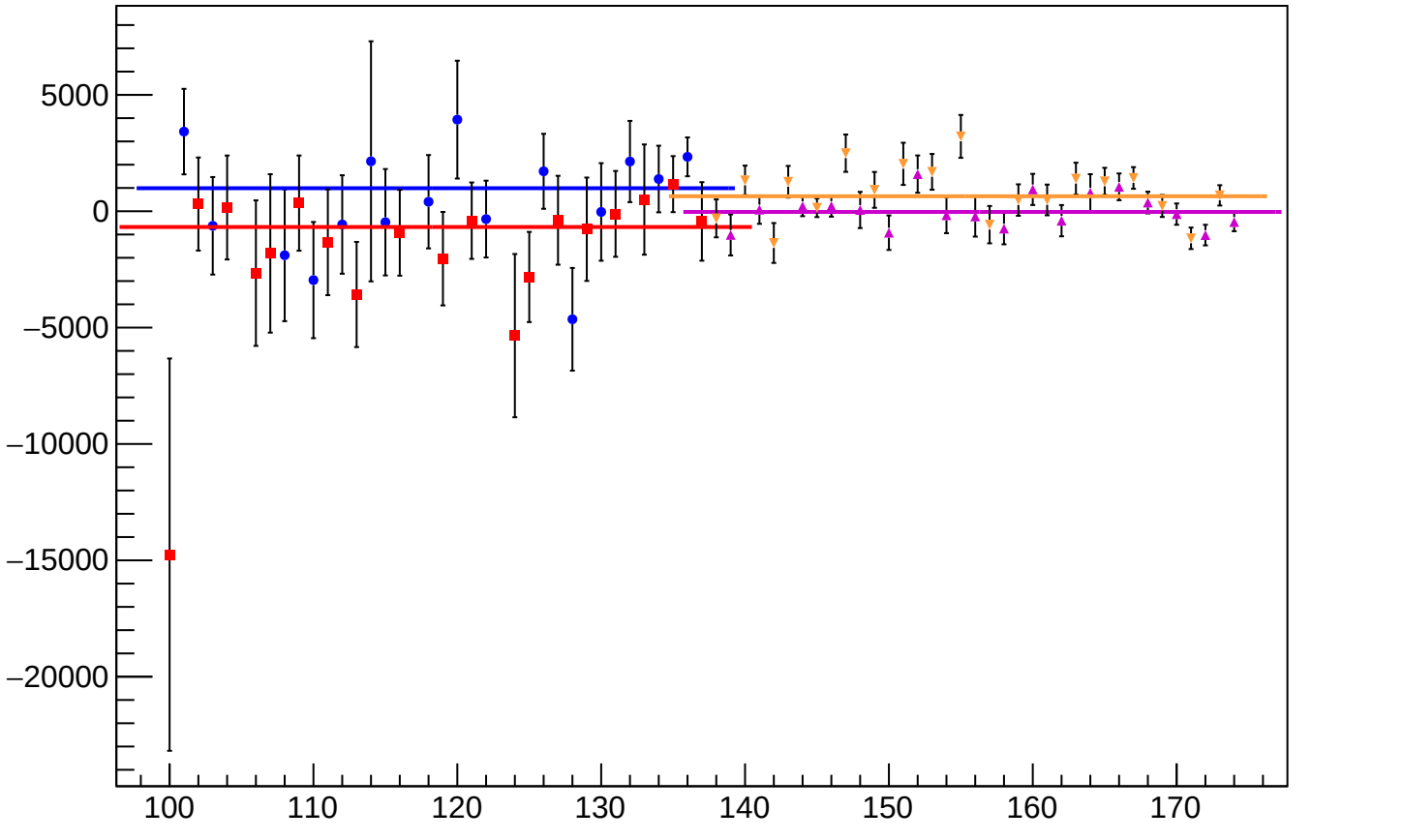
Left: 495.510+/-0.067 χ^2/NDF: 4310927.5/36

Right: 1180.225+/-0.226 χ^2/NDF: 2050952.9/34

In: 540.446+/-0.089 χ^2/NDF:7167309.2/33

Out: 561.039+/-0.092 χ^2/NDF:7588353.5/37

All: 550.446+/-0.064 χ^2/NDF: 14781440.8/71



Right In: 989.322+/-442.634 χ^2/NDF: 19.0/15

Left Out: 643.643+/-139.700 χ^2/NDF:51.7/18

Right Out: -677.628+/-469.652 χ^2/NDF: 11.9/18

Left In: -30.465+/-135.496 χ^2/NDF:22.7/17

Left: 296.294+/-97.262 χ^2/NDF: 86.4/36

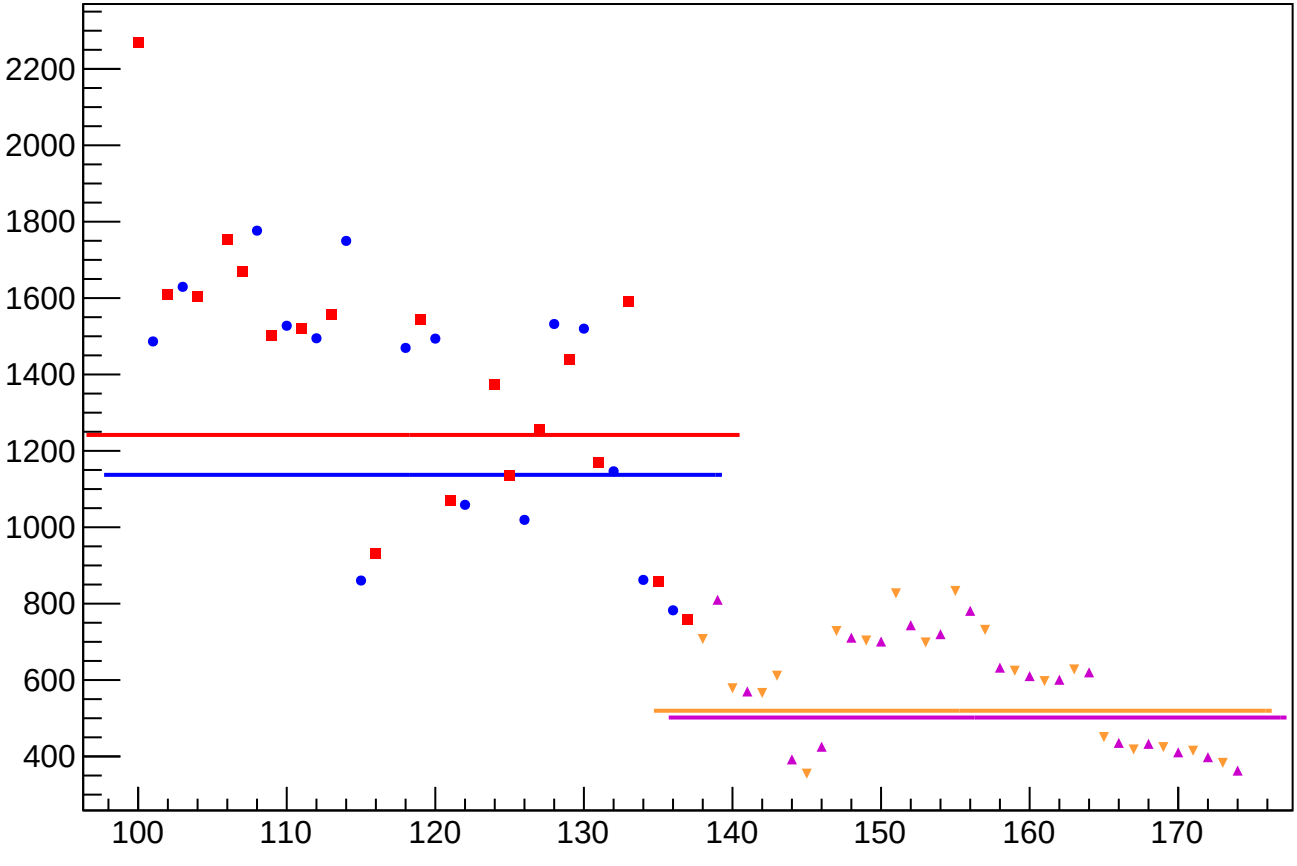
Right: 205.171+/-322.118 χ^2/NDF: 37.6/34

In: 56.906+/-129.561 χ^2/NDF:46.6/33

Out: 536.242+/-133.901 χ^2/NDF:70.9/37

All: 288.680+/-93.110 χ^2/NDF: 124.1/71

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1137.220+/-0.313 χ^2/NDF: 1123685.6/15

Left Out: 519.659+/-0.099 χ^2/NDF:2091394.3/18

Right Out: 1241.709+/-0.332 χ^2/NDF: 899417.9/18

Left In: 501.849+/-0.096 χ^2/NDF:2018867.9/17

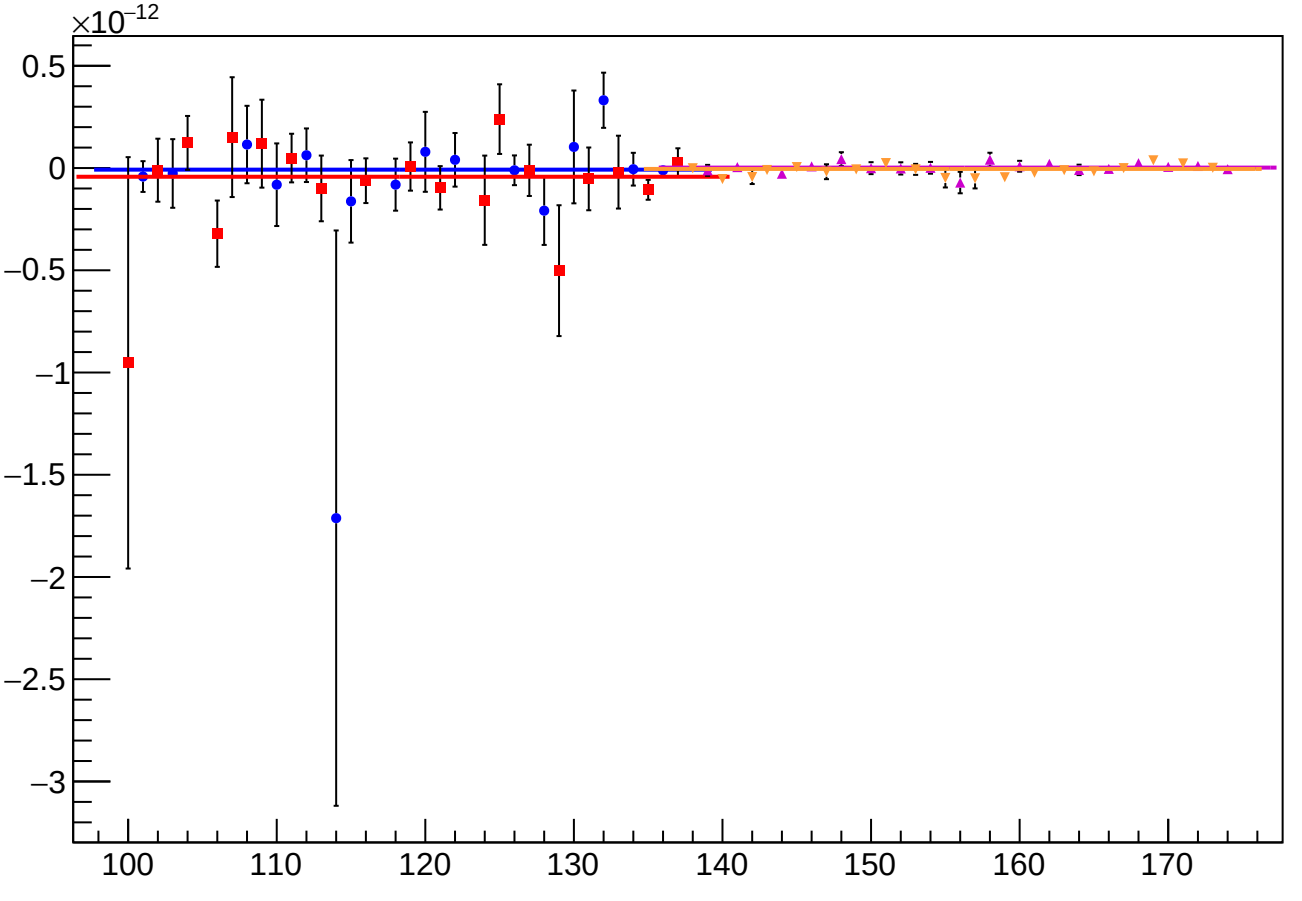
Left: 510.482+/-0.069 χ^2/NDF: 4127011.8/36

Right: 1186.373+/-0.228 χ^2/NDF: 2075531.5/34

In: 556.286+/-0.092 χ^2/NDF:6910403.6/33

Out: 578.352+/-0.095 χ^2/NDF:7333836.4/37

All: 566.956+/-0.066 χ^2/NDF: 14272292.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 11.7/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.5/18

Left In: 0.000+/-0.000 χ^2/NDF:10.9/17

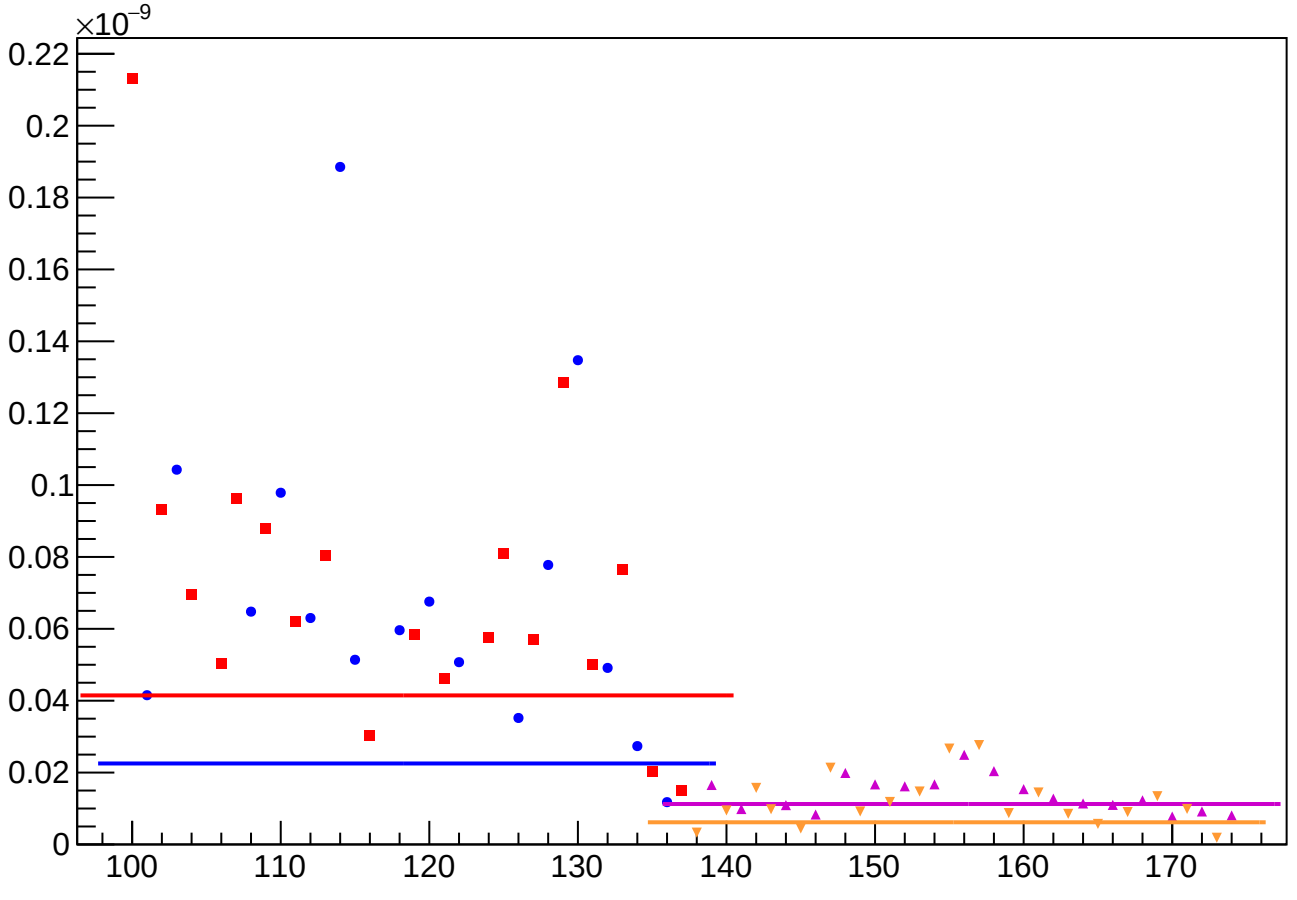
Left: -0.000+/-0.000 χ^2/NDF: 38.6/36

Right: -0.000+/-0.000 χ^2/NDF: 28.4/34

In: 0.000+/-0.000 χ^2/NDF:23.0/33

Out: -0.000+/-0.000 χ^2/NDF:44.0/37

All: -0.000+/-0.000 χ^2/NDF: 68.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 2852766.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:3581190.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1847735.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1079903.0/17

Left: 0.000+/-0.000 χ^2/NDF: 6041447.6/36

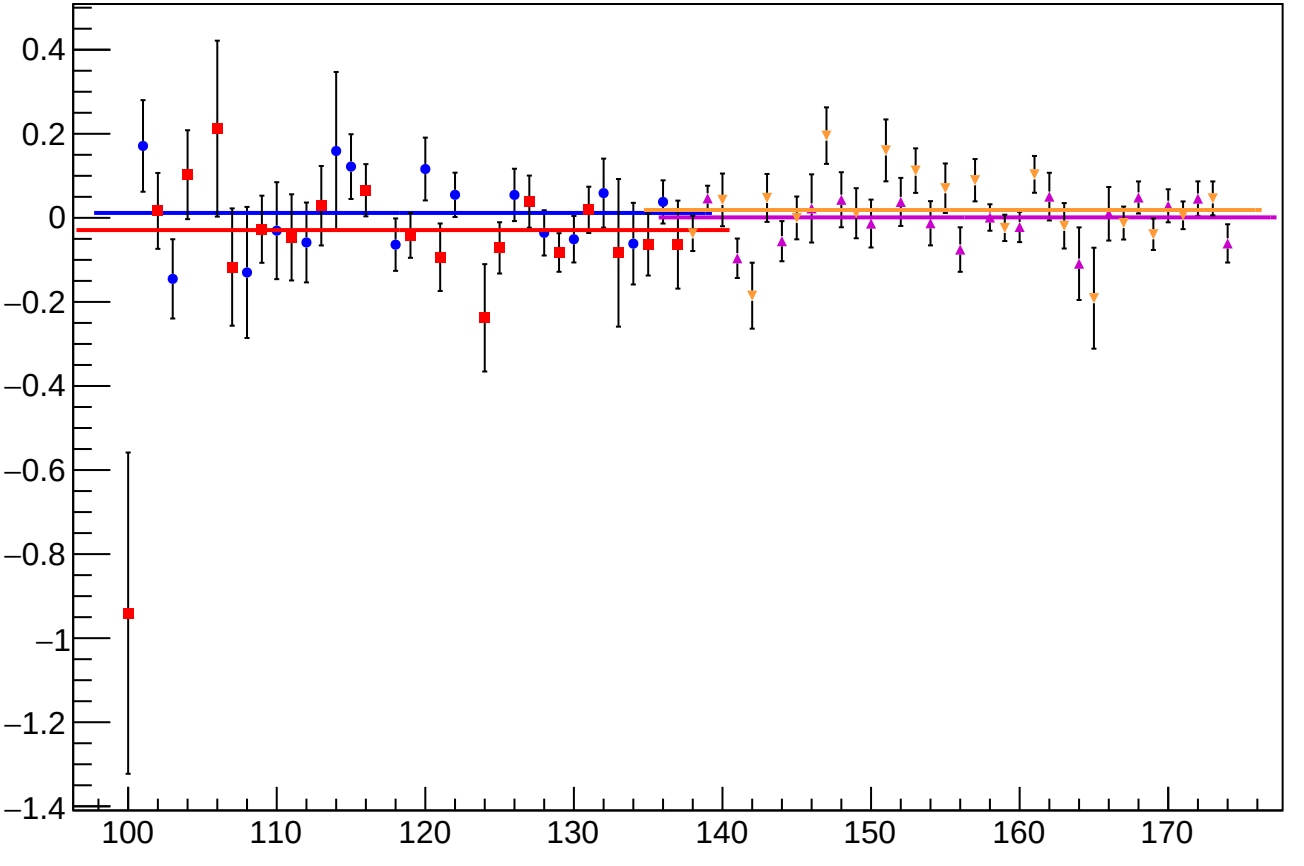
Right: 0.000+/-0.000 χ^2/NDF: 5394567.7/34

In: 0.000+/-0.000 χ^2/NDF:4711879.4/33

Out: 0.000+/-0.000 χ^2/NDF:8776119.3/37

All: 0.000+/-0.000 χ^2/NDF: 15136761.6/71

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

Left: 0.010+/-0.008 χ^2/NDF: 58.6/36

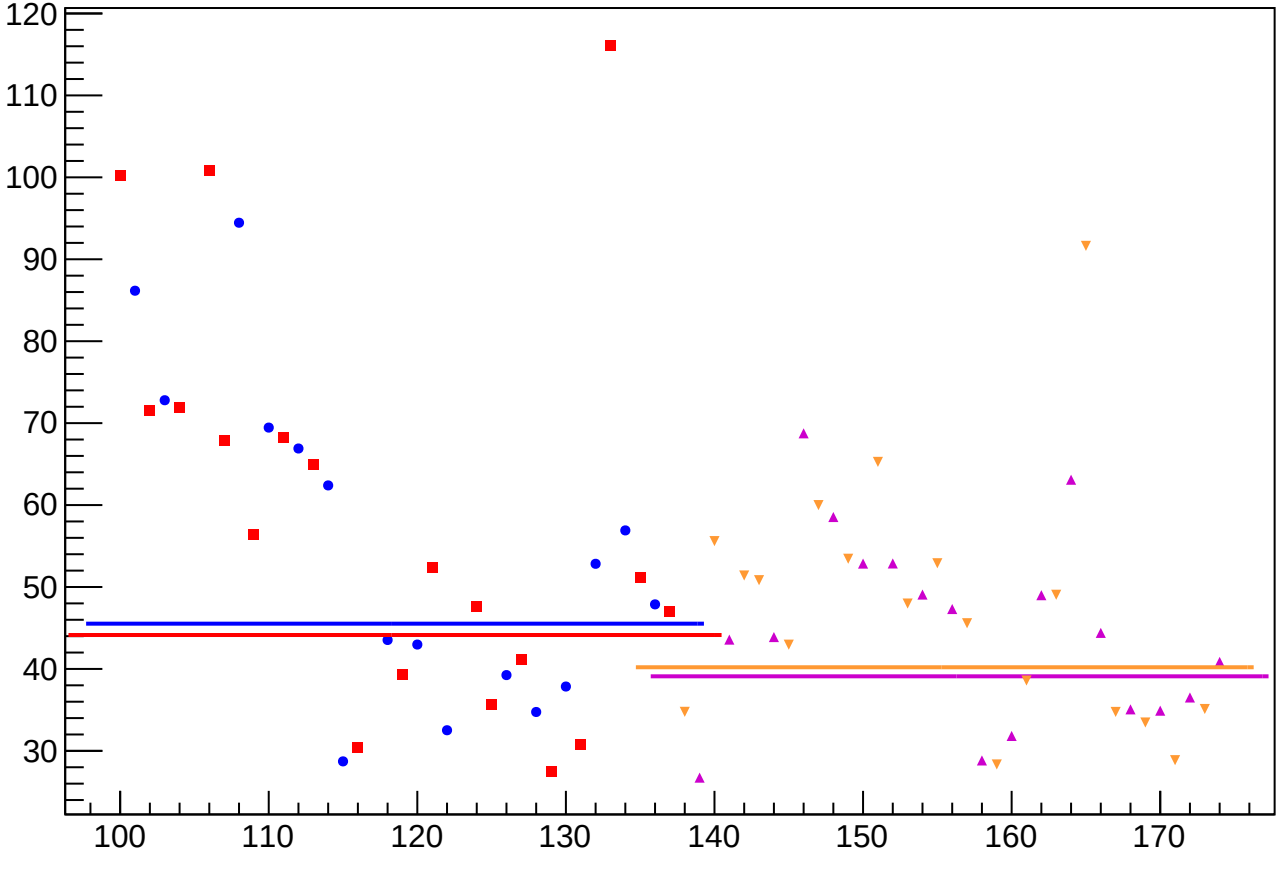
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.005+/-0.007 χ^2/NDF: 99.1/71

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.204+/-0.008 χ^2/NDF:2015790.9/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

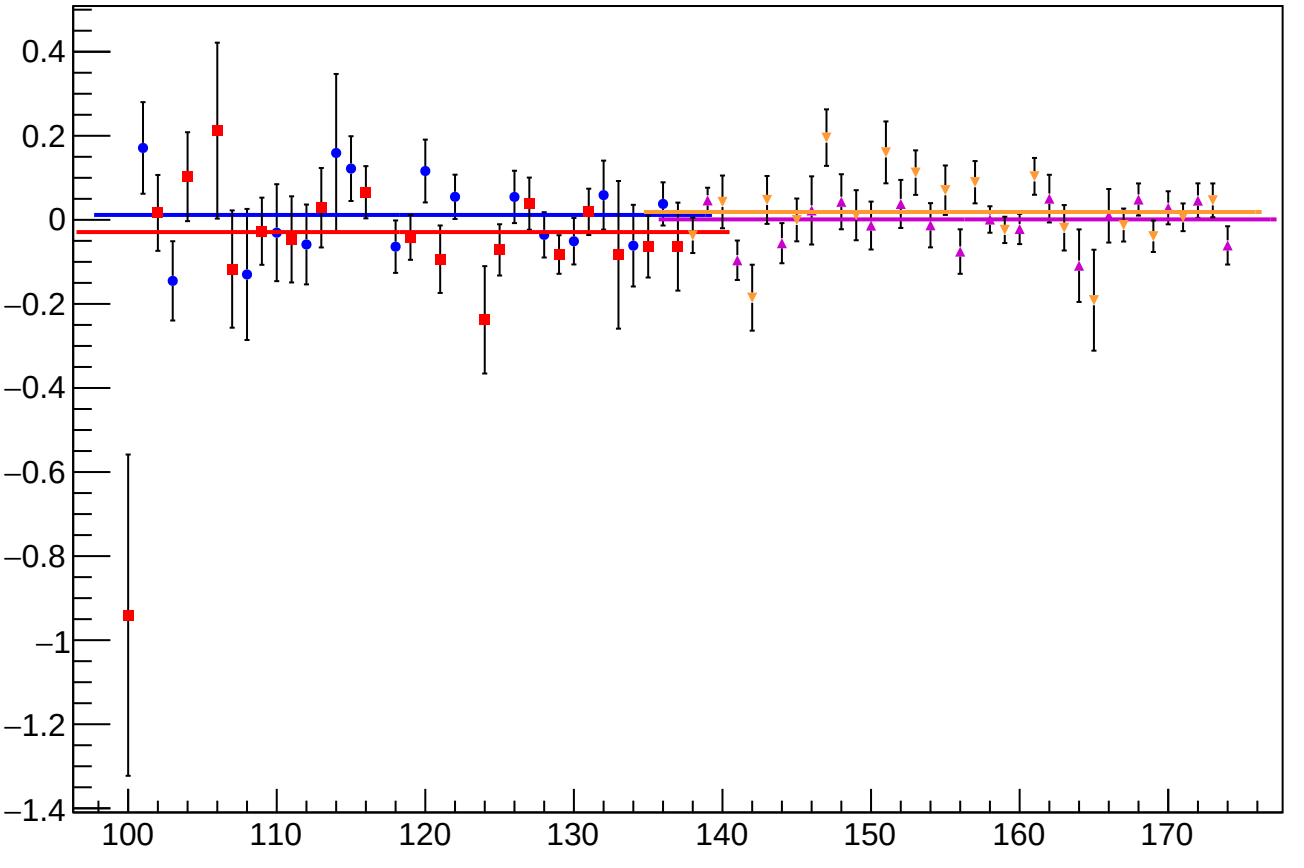
Left: 39.641+/-0.005 χ^2/NDF: 3778348.5/36

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.754+/-0.007 χ^2/NDF:3188959.7/33

Out: 41.286+/-0.007 χ^2/NDF:3829517.2/37

All: 41.017+/-0.005 χ^2/NDF: 7021726.3/71



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

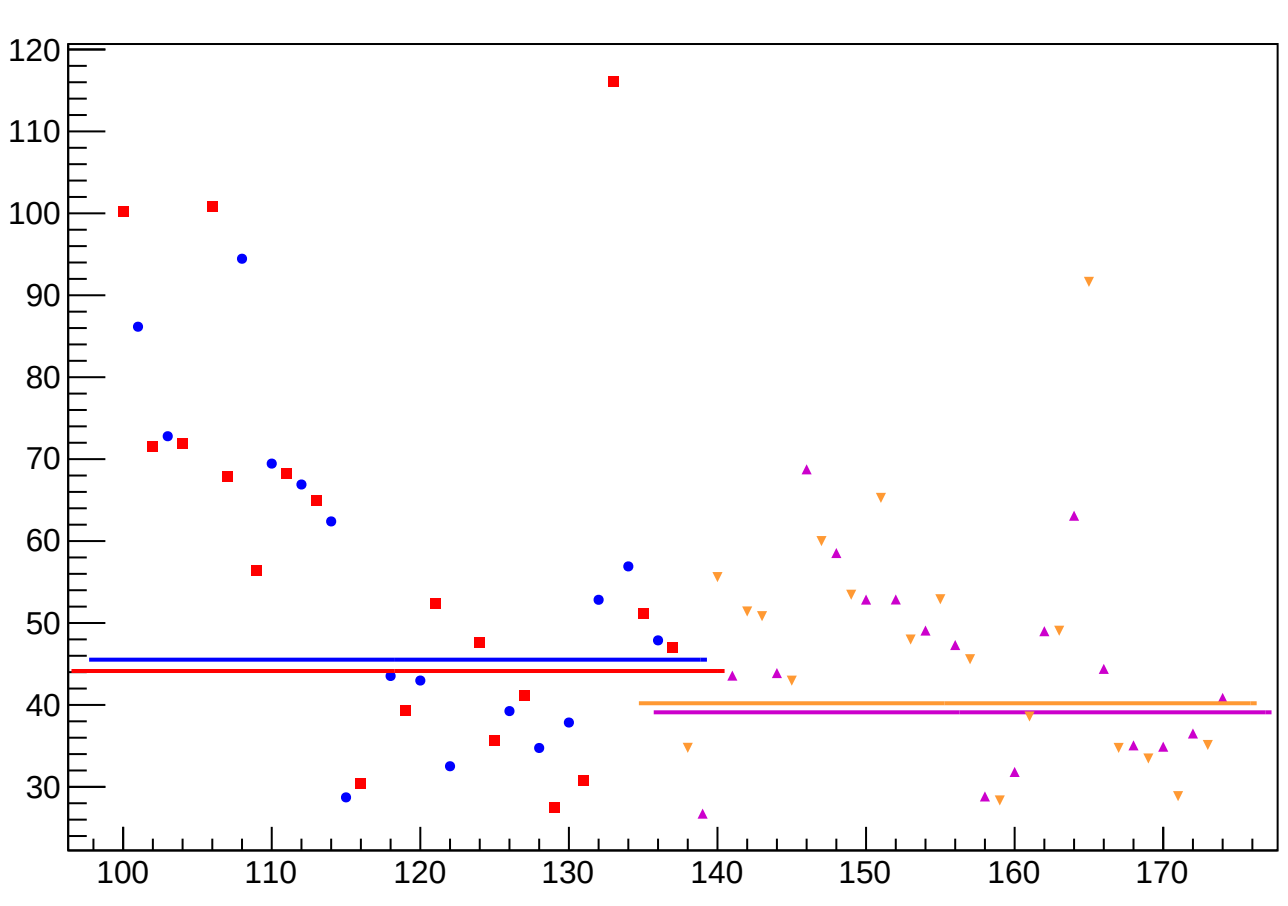
Left: 0.010+/-0.008 χ^2/NDF: 58.6/36

Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.005+/-0.007 χ^2/NDF: 99.1/71



Right In: 45.525+/-0.013 χ^2/NDF: 1253967.4/15

Left Out: 40.204+/-0.008 χ^2/NDF:2015790.9/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743430.9/18

Left In: 39.099+/-0.008 χ^2/NDF:1752268.7/17

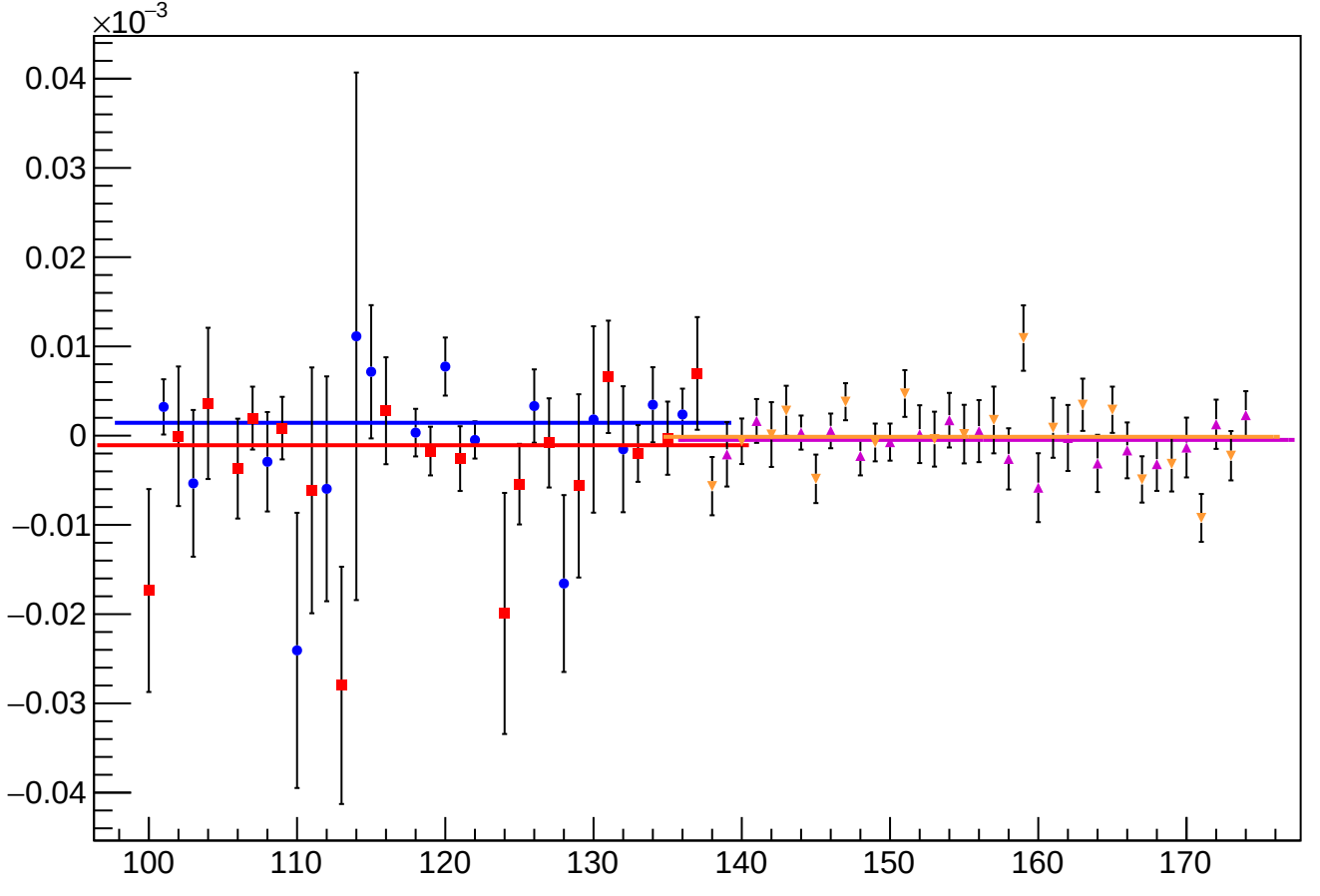
Left: 39.641+/-0.005 χ^2/NDF: 3778348.5/36

Right: 44.816+/-0.009 χ^2/NDF: 3003242.5/34

In: 40.754+/-0.007 χ^2/NDF:3188959.7/33

Out: 41.286+/-0.007 χ^2/NDF:3829517.2/37

All: 41.017+/-0.005 χ^2/NDF: 7021726.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 14.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:42.9/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:8.2/17

Left: -0.000+/-0.000 χ^2/NDF: 51.2/36

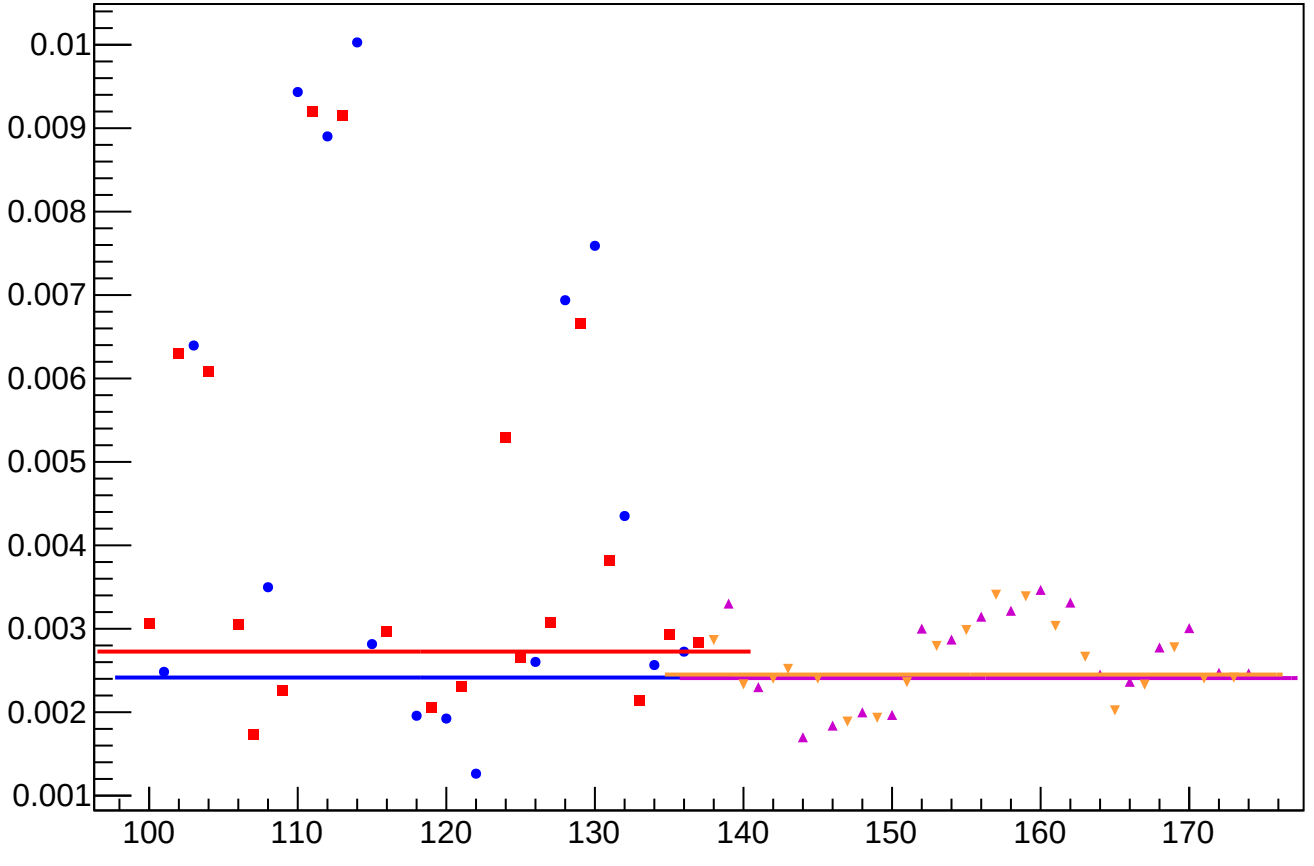
Right: 0.000+/-0.000 χ^2/NDF: 31.7/34

In: 0.000+/-0.000 χ^2/NDF:24.9/33

Out: -0.000+/-0.000 χ^2/NDF:58.2/37

All: -0.000+/-0.000 χ^2/NDF: 83.4/71

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:801010.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 2505080.1/18

Left In: 0.002+/-0.000 χ^2/NDF:1415128.2/17

Left: 0.002+/-0.000 χ^2/NDF: 2220459.3/36

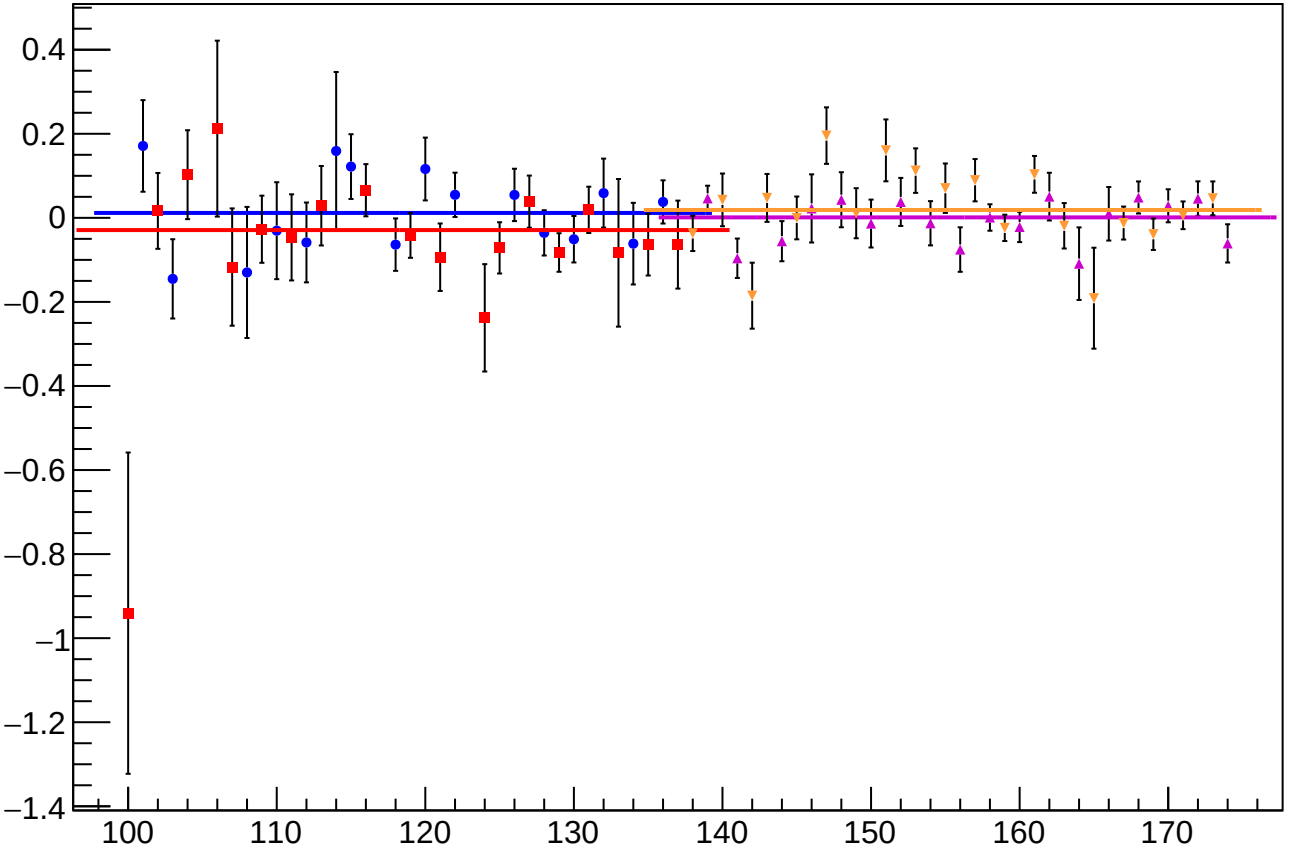
Right: 0.003+/-0.000 χ^2/NDF: 6019731.5/34

In: 0.002+/-0.000 χ^2/NDF:4847294.4/33

Out: 0.003+/-0.000 χ^2/NDF:3396622.1/37

All: 0.002+/-0.000 χ^2/NDF: 8282540.7/71

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: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

Left: 0.010+/-0.008 χ^2/NDF: 58.6/36

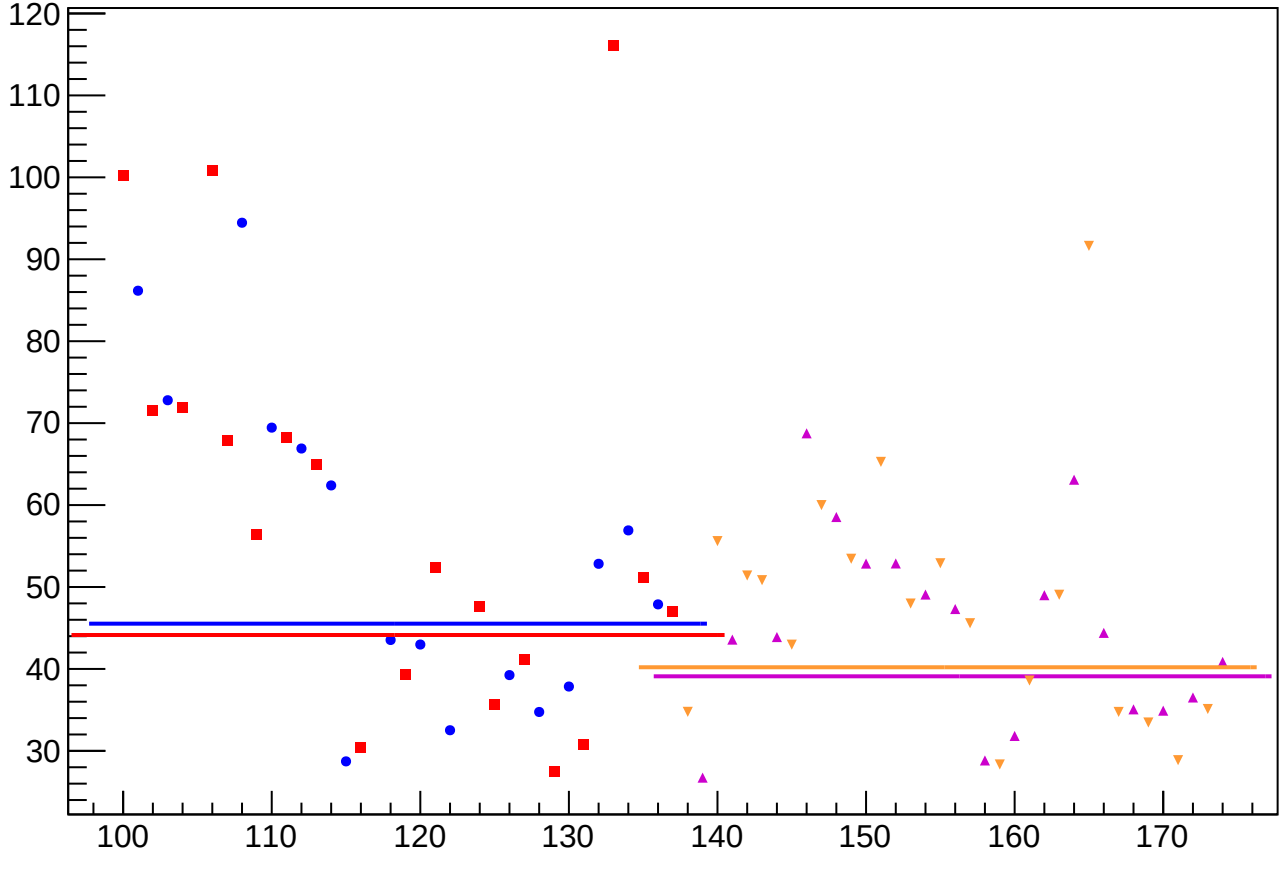
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.005+/-0.007 χ^2/NDF: 99.1/71

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.205+/-0.008 χ^2/NDF:2015819.3/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

Left: 39.641+/-0.005 χ^2/NDF: 3778416.4/36

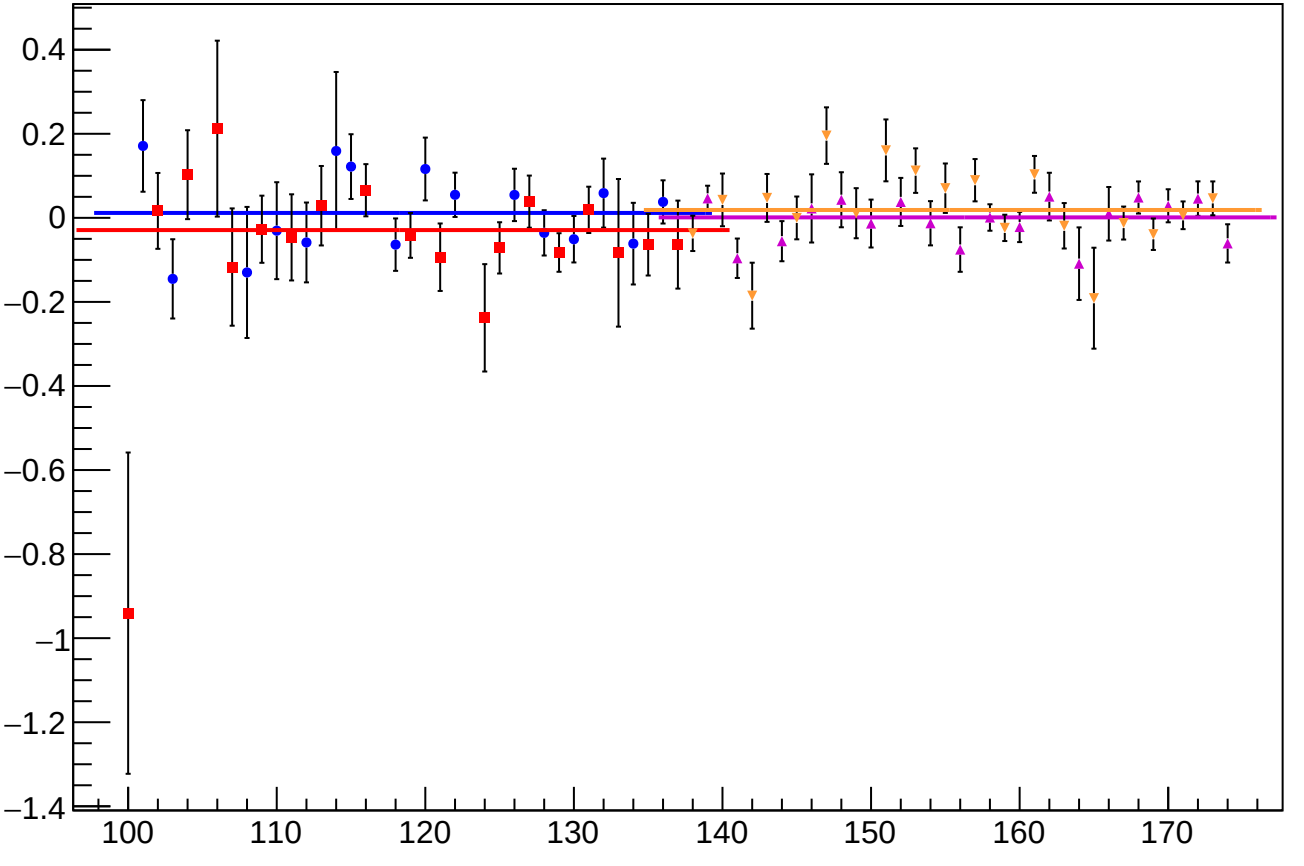
Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.754+/-0.007 χ^2/NDF:3188936.3/33

Out: 41.286+/-0.007 χ^2/NDF:3829468.8/37

All: 41.018+/-0.005 χ^2/NDF: 7021654.7/71

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.018 χ^2/NDF: 16.9/15

Left Out: 0.019+/-0.011 χ^2/NDF:38.3/18

Right Out: -0.029+/-0.018 χ^2/NDF: 19.5/18

Left In: 0.001+/-0.011 χ^2/NDF:19.0/17

Left: 0.010+/-0.008 χ^2/NDF: 58.6/36

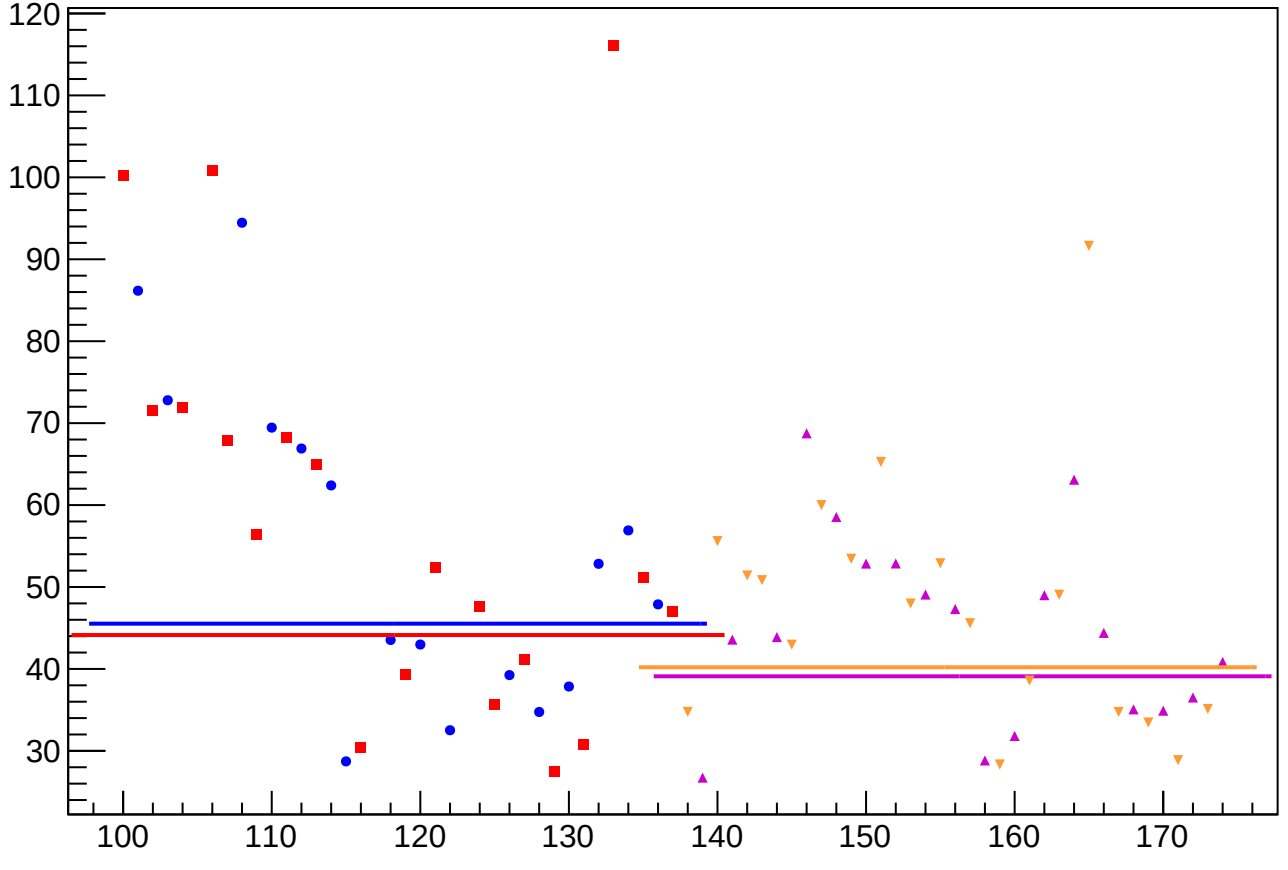
Right: -0.009+/-0.013 χ^2/NDF: 38.9/34

In: 0.004+/-0.009 χ^2/NDF:36.1/33

Out: 0.006+/-0.009 χ^2/NDF:63.1/37

All: 0.005+/-0.007 χ^2/NDF: 99.1/71

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 45.525+/-0.013 χ^2/NDF: 1253922.0/15

Left Out: 40.205+/-0.008 χ^2/NDF:2015819.3/18

Right Out: 44.141+/-0.013 χ^2/NDF: 1743351.0/18

Left In: 39.100+/-0.008 χ^2/NDF:1752309.8/17

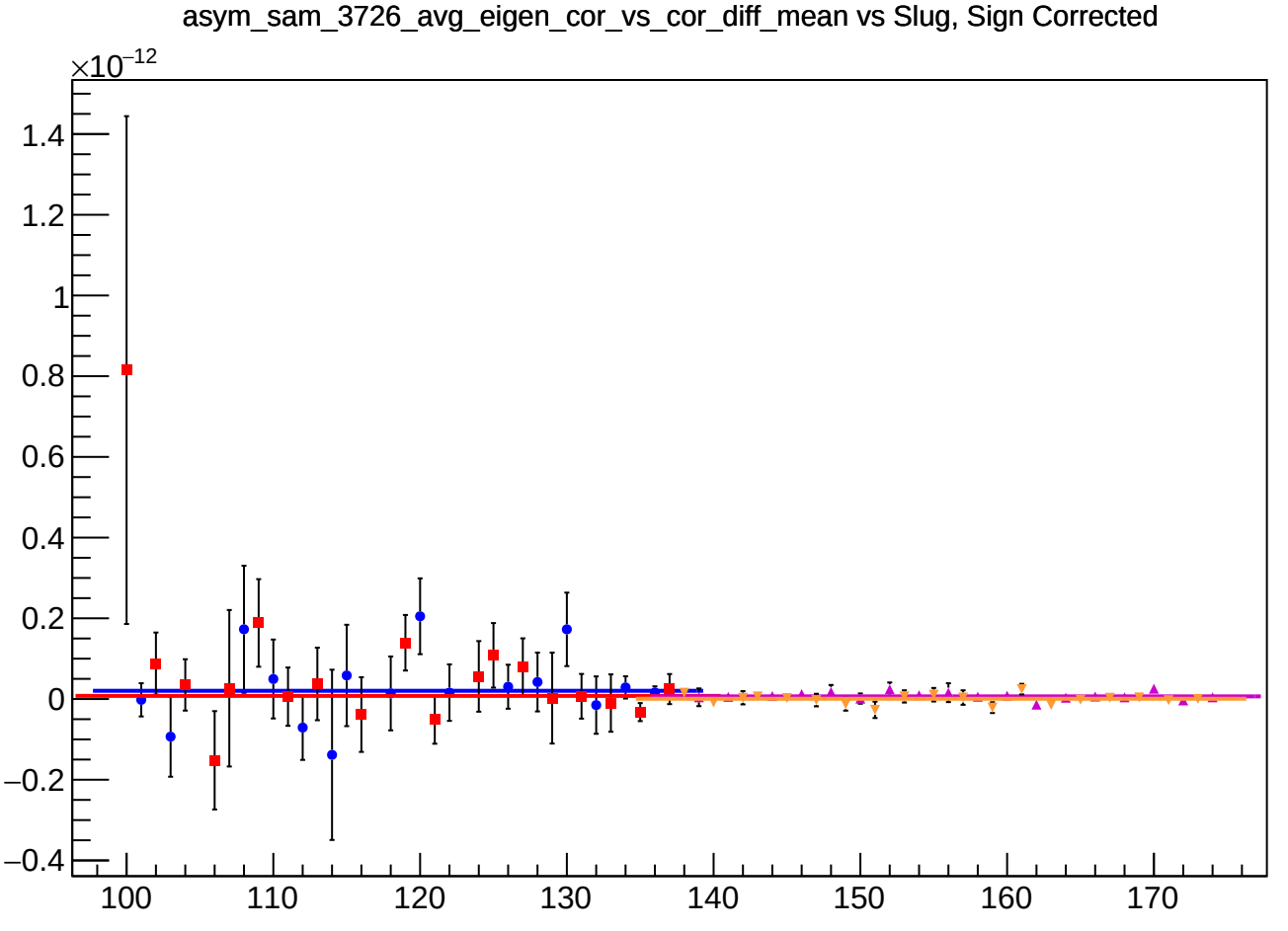
Left: 39.641+/-0.005 χ^2/NDF: 3778416.4/36

Right: 44.816+/-0.009 χ^2/NDF: 3003114.2/34

In: 40.754+/-0.007 χ^2/NDF:3188936.3/33

Out: 41.286+/-0.007 χ^2/NDF:3829468.8/37

All: 41.018+/-0.005 χ^2/NDF: 7021654.7/71



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/18

Left In: 0.000+/-0.000 χ^2/NDF:11.3/17

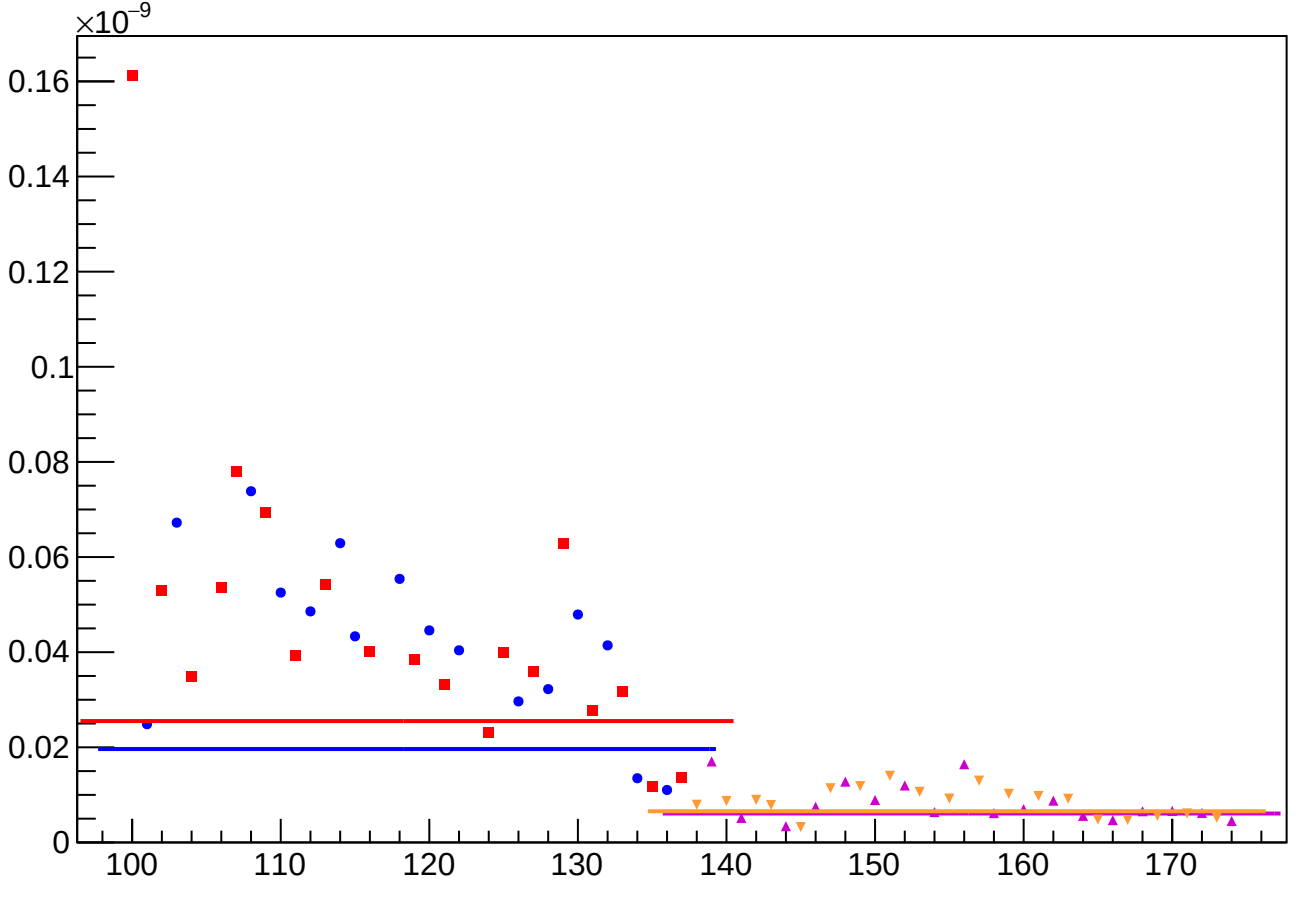
Left: 0.000+/-0.000 χ^2/NDF: 28.2/36

Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: 0.000+/-0.000 χ^2/NDF:24.6/33

Out: 0.000+/-0.000 χ^2/NDF:32.7/37

All: 0.000+/-0.000 χ^2/NDF: 61.0/71



Right In: 0.000+/-0.000 χ^2/NDF: 3241093.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2683928.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2703953.2/18

Left In: 0.000+/-0.000 χ^2/NDF:2338848.5/17

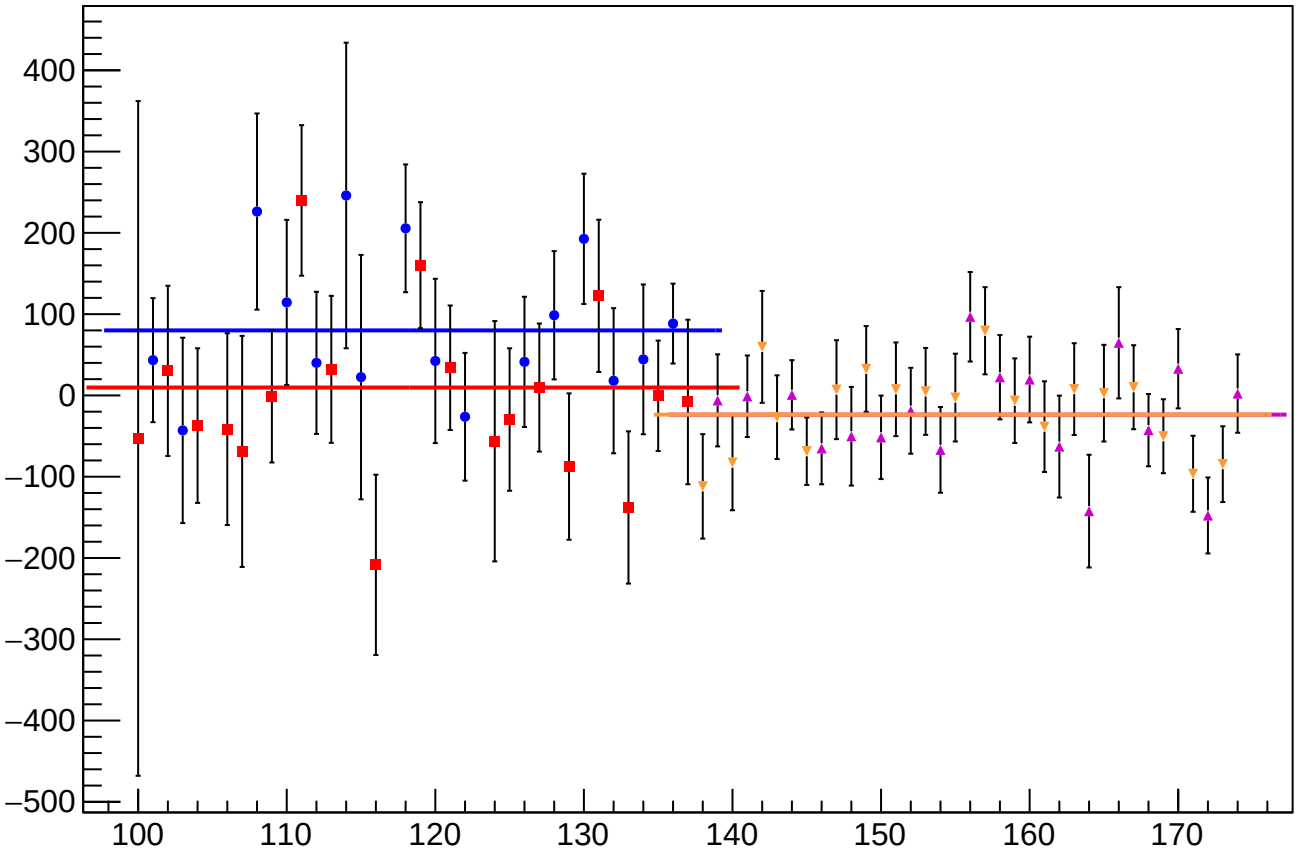
Left: 0.000+/-0.000 χ^2/NDF: 5064490.3/36

Right: 0.000+/-0.000 χ^2/NDF: 6166556.0/34

In: 0.000+/-0.000 χ^2/NDF:8405526.1/33

Out: 0.000+/-0.000 χ^2/NDF:9108175.1/37

All: 0.000+/-0.000 χ^2/NDF: 17561354.6/71



Right In: 79.993+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.621+/-12.183 χ^2/NDF:17.0/18

Right Out: 9.730+/-21.617 χ^2/NDF: 20.3/18

Left In: -23.644+/-12.225 χ^2/NDF:22.8/17

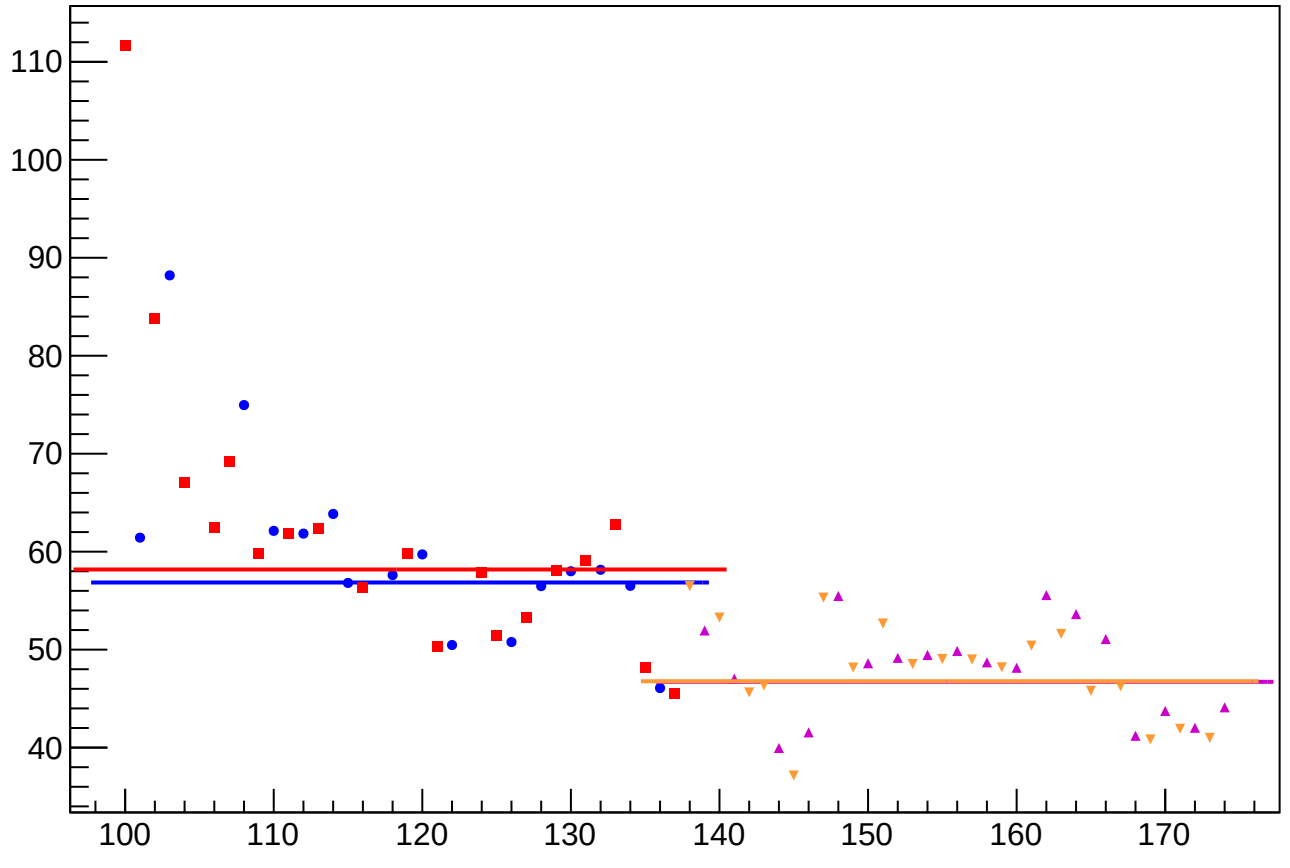
Left: -23.633+/-8.630 χ^2/NDF: 39.7/36

Right: 45.094+/-15.235 χ^2/NDF: 37.2/34

In: 1.722+/-10.624 χ^2/NDF:51.9/33

Out: -15.582+/-10.614 χ^2/NDF:39.1/37

All: -6.938+/-7.509 χ^2/NDF: 92.3/71



Right In: 56.854+/-0.015 χ^2/NDF: 341601.2/15

Left Out: 46.772+/-0.009 χ^2/NDF:361071.1/18

Right Out: 58.181+/-0.015 χ^2/NDF: 314660.6/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

Left: 46.743+/-0.006 χ^2/NDF: 652908.1/36

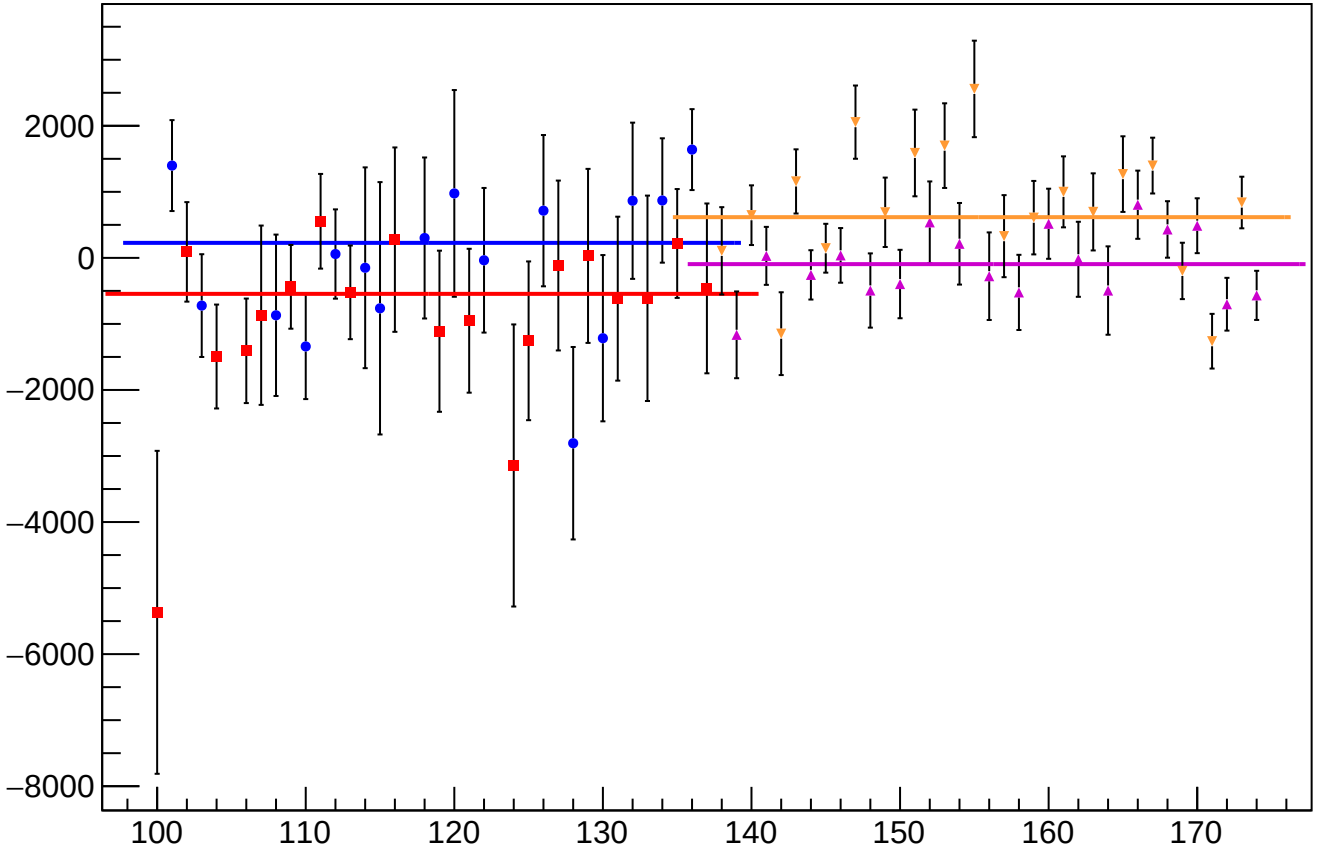
Right: 57.513+/-0.011 χ^2/NDF: 660056.1/34

In: 49.196+/-0.008 χ^2/NDF:970197.1/33

Out: 49.522+/-0.008 χ^2/NDF:1098594.7/37

All: 49.359+/-0.005 χ^2/NDF: 2069733.4/71

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 227.508+/-241.225 χ^2/NDF: 21.6/15

Left Out: 616.626+/-116.628 χ^2/NDF:60.2/18

Right Out: -544.769+/-227.243 χ^2/NDF: 13.4/18

Left In: -94.535+/-115.188 χ^2/NDF:17.9/17

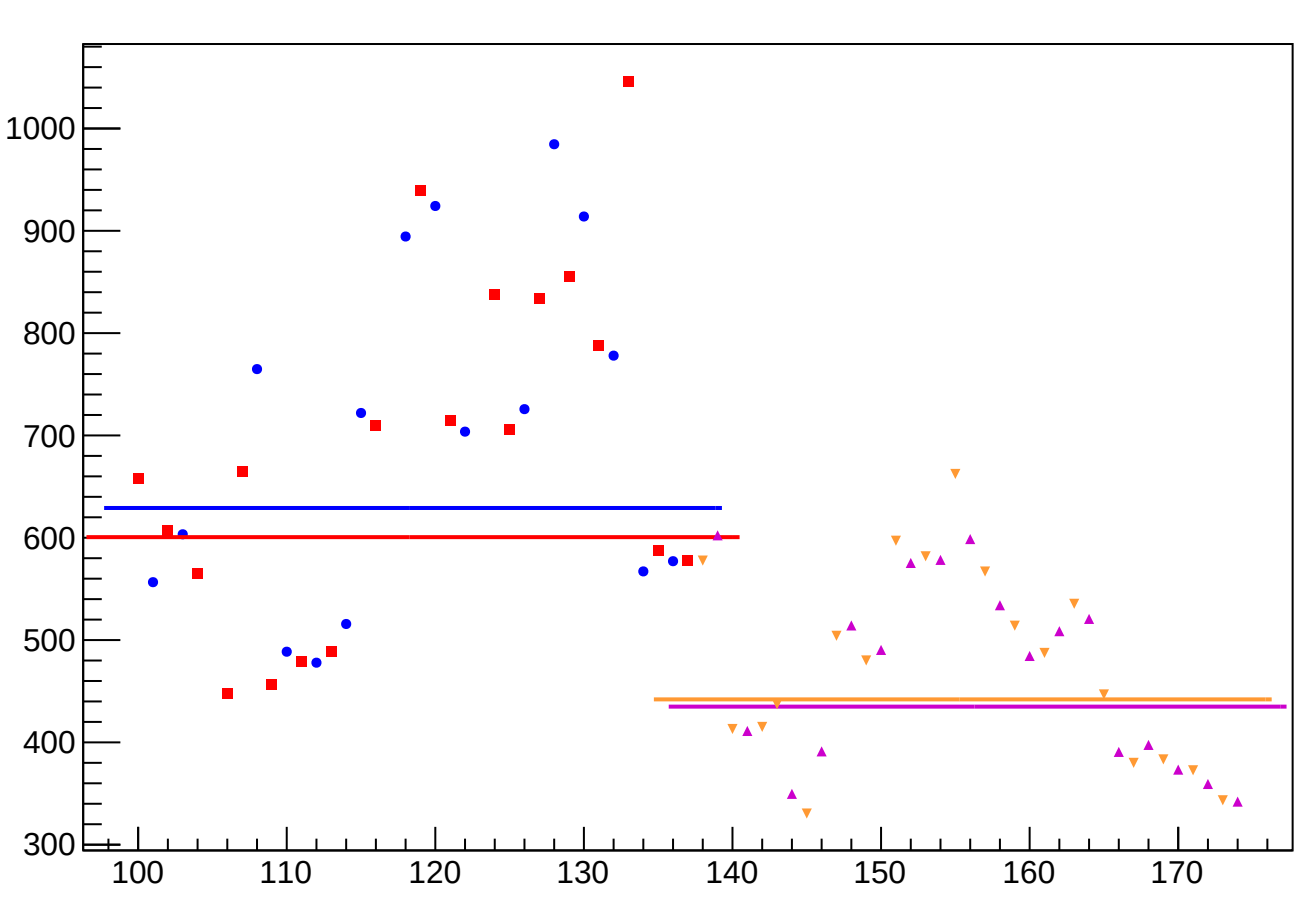
Left: 256.627+/-81.955 χ^2/NDF: 97.0/36

Right: -181.660+/-165.407 χ^2/NDF: 40.4/34

In: -34.738+/-103.945 χ^2/NDF:41.0/33

Out: 374.487+/-103.761 χ^2/NDF:94.3/37

All: 170.238+/-73.435 χ^2/NDF: 143.1/71



Right In: 629.096+/-0.171 χ^2/NDF: 692724.2/15

Left Out: 442.020+/-0.082 χ^2/NDF:1147138.6/18

Right Out: 600.593+/-0.161 χ^2/NDF: 874614.2/18

Left In: 434.943+/-0.081 χ^2/NDF:1072258.5/17

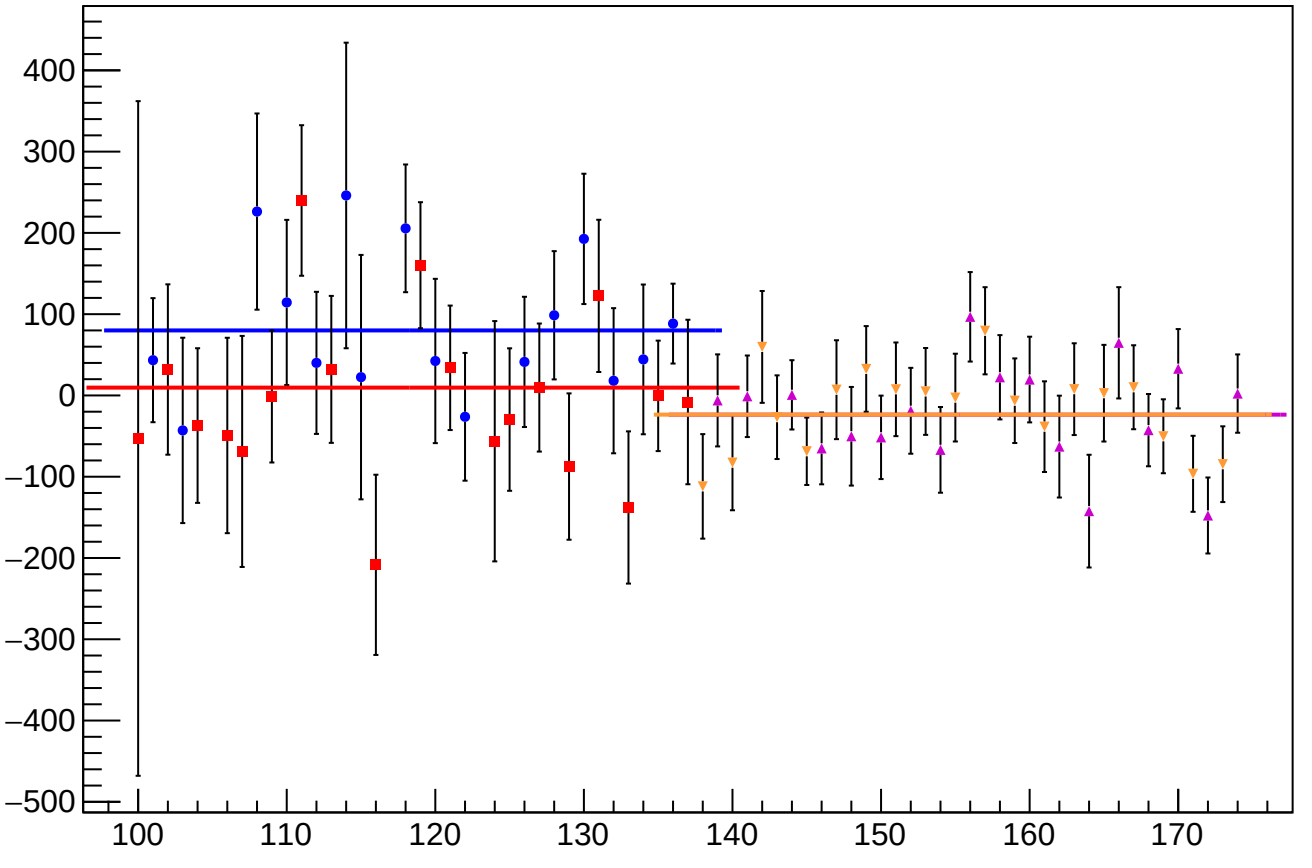
Left: 438.437+/-0.058 χ^2/NDF: 2223125.2/36

Right: 613.994+/-0.117 χ^2/NDF: 1582132.3/34

In: 470.993+/-0.074 χ^2/NDF:2820022.5/33

Out: 475.081+/-0.073 χ^2/NDF:2792595.9/37

All: 473.041+/-0.052 χ^2/NDF: 5614167.8/71



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.623+/-12.183 χ^2/NDF:17.0/18

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.644+/-12.225 χ^2/NDF:22.8/17

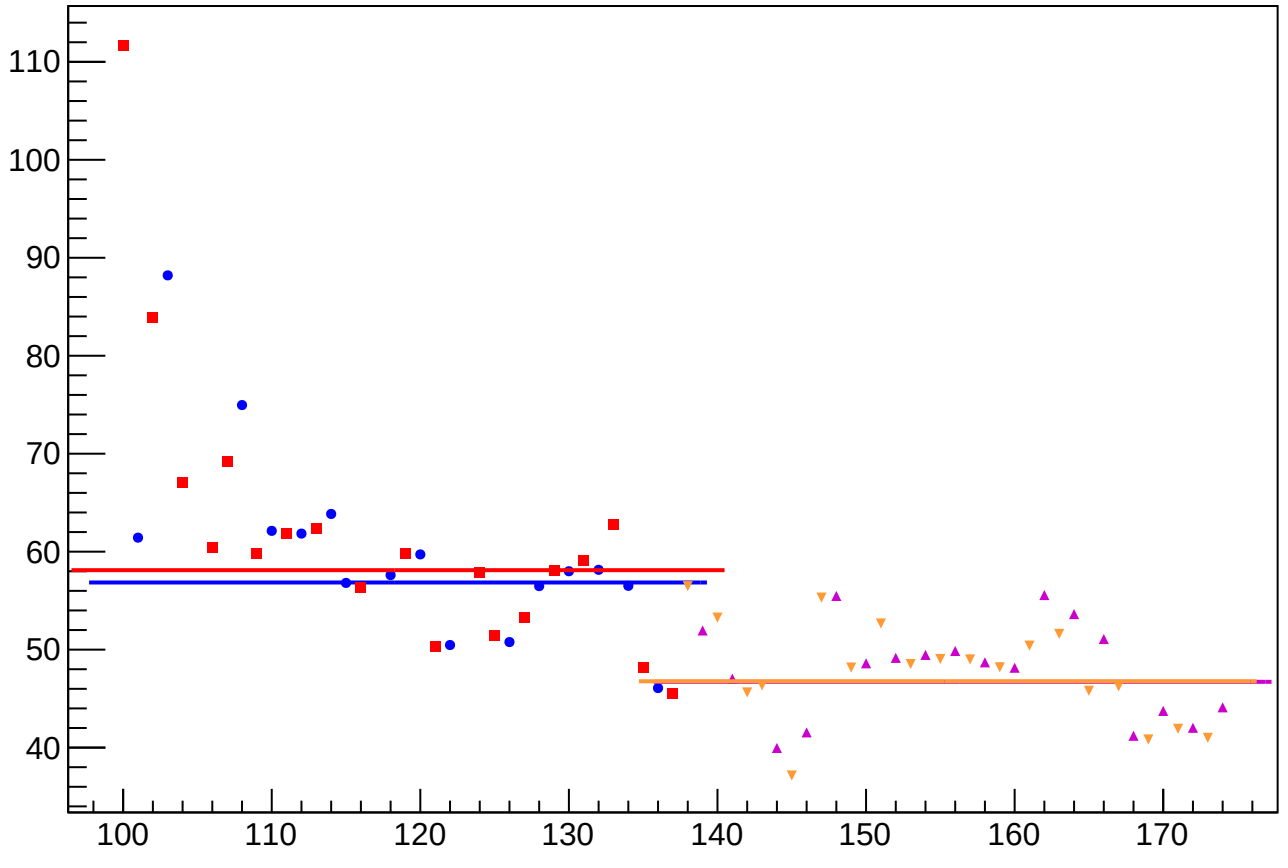
Left: -23.634+/-8.630 χ^2/NDF: 39.7/36

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.723+/-10.624 χ^2/NDF:51.9/33

Out: -15.617+/-10.615 χ^2/NDF:39.2/37

All: -6.954+/-7.509 χ^2/NDF: 92.4/71



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 46.772+/-0.009 χ^2/NDF:361071.1/18

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

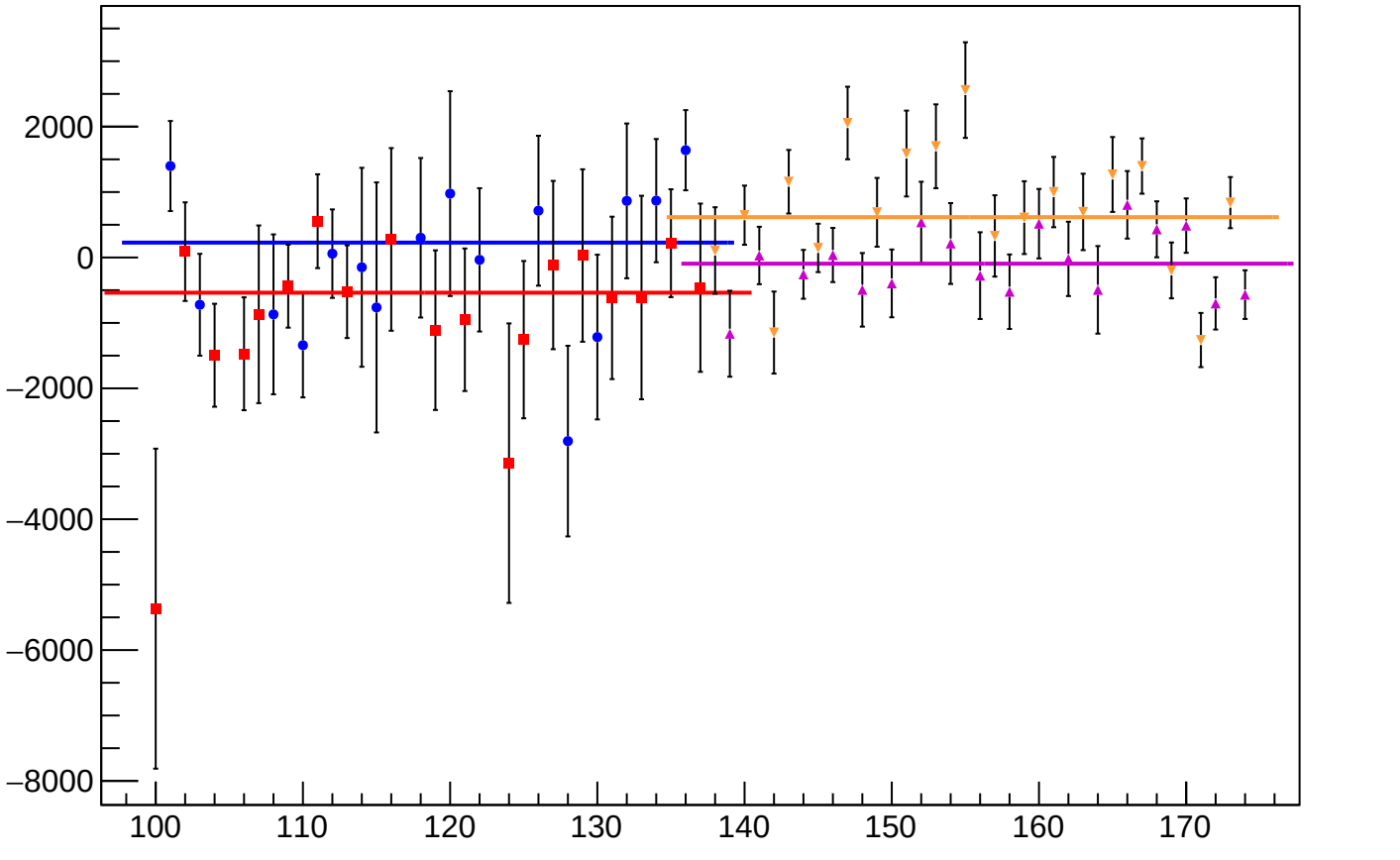
Left: 46.743+/-0.006 χ^2/NDF: 652908.1/36

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.196+/-0.008 χ^2/NDF:970201.1/33

Out: 49.502+/-0.008 χ^2/NDF:1091248.4/37

All: 49.349+/-0.005 χ^2/NDF: 2062280.9/71



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 616.624+/-116.628 χ^2/NDF:60.2/18

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -94.538+/-115.188 χ^2/NDF:17.9/17

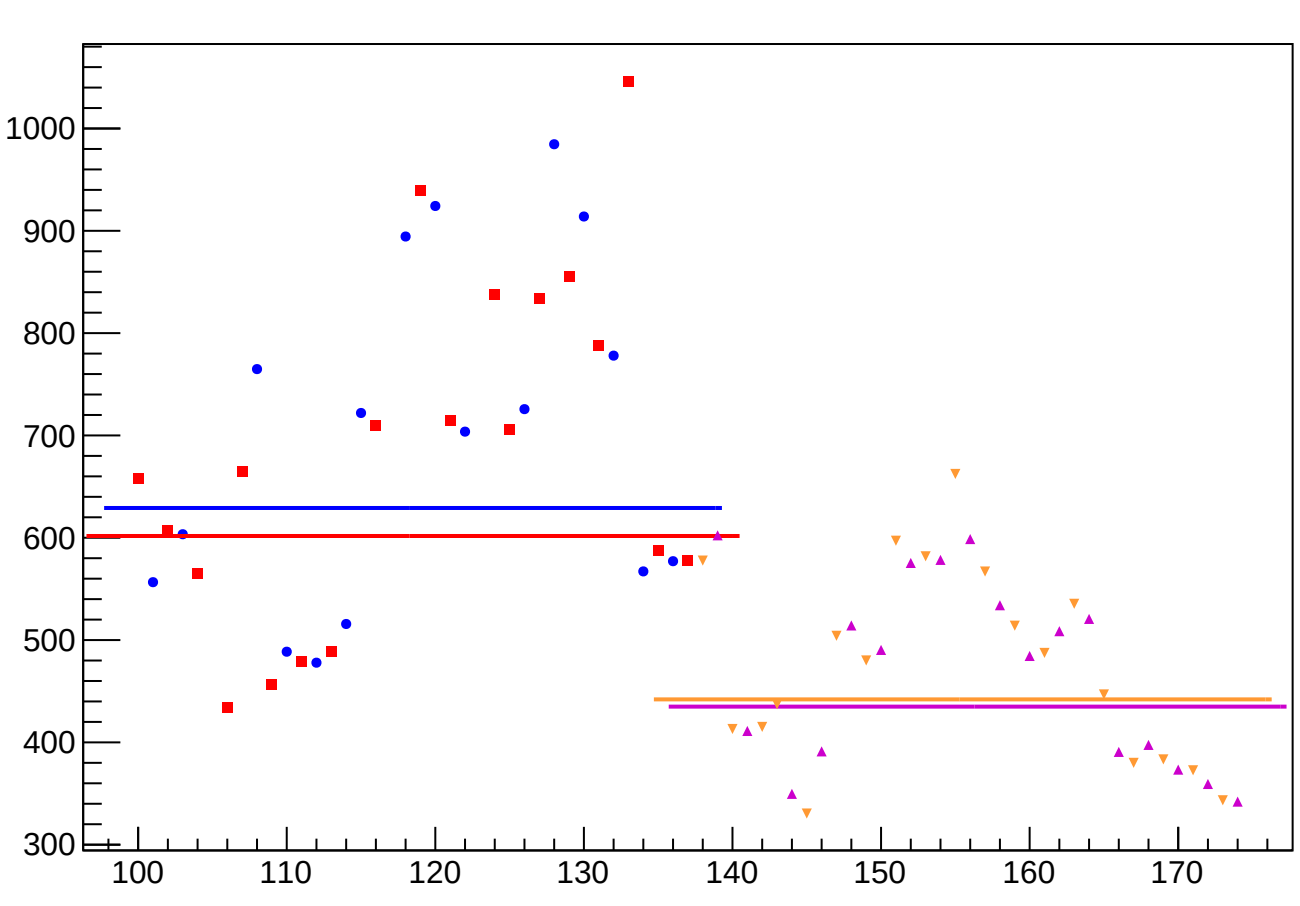
Left: 256.625+/-81.955 χ^2/NDF: 97.0/36

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -34.734+/-103.946 χ^2/NDF:41.0/33

Out: 378.389+/-103.903 χ^2/NDF:93.8/37

All: 171.911+/-73.486 χ^2/NDF: 142.7/71



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 442.020+/-0.082 χ^2/NDF:1147138.4/18

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

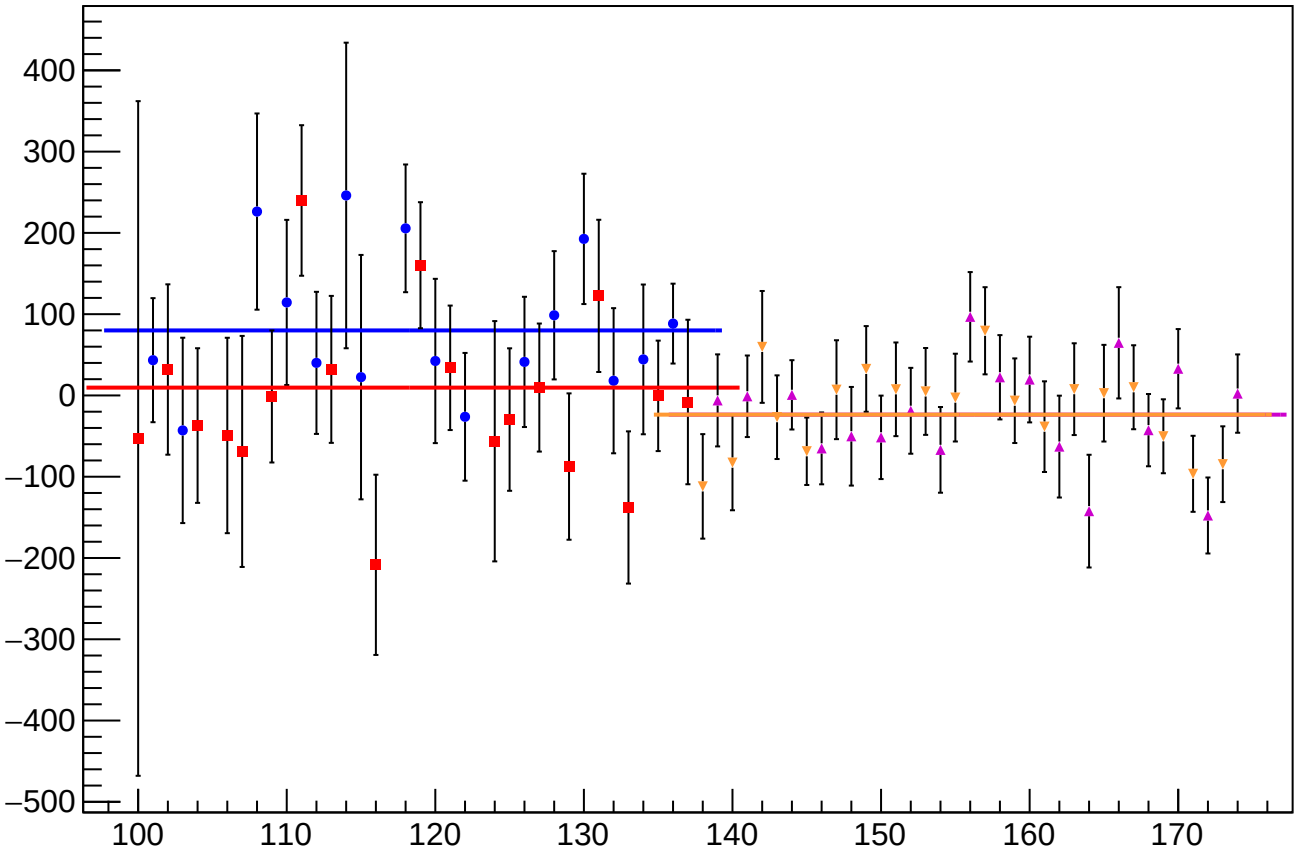
Left: 438.437+/-0.058 χ^2/NDF: 2223124.6/36

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 470.994+/-0.074 χ^2/NDF:2820052.3/33

Out: 474.968+/-0.073 χ^2/NDF:2794851.1/37

All: 472.982+/-0.052 χ^2/NDF: 5616365.8/71



Right In: 79.998+/-21.474 χ^2/NDF: 11.6/15

Left Out: -23.623+/-12.183 χ^2/NDF:17.0/18

Right Out: 9.619+/-21.631 χ^2/NDF: 20.4/18

Left In: -23.644+/-12.225 χ^2/NDF:22.8/17

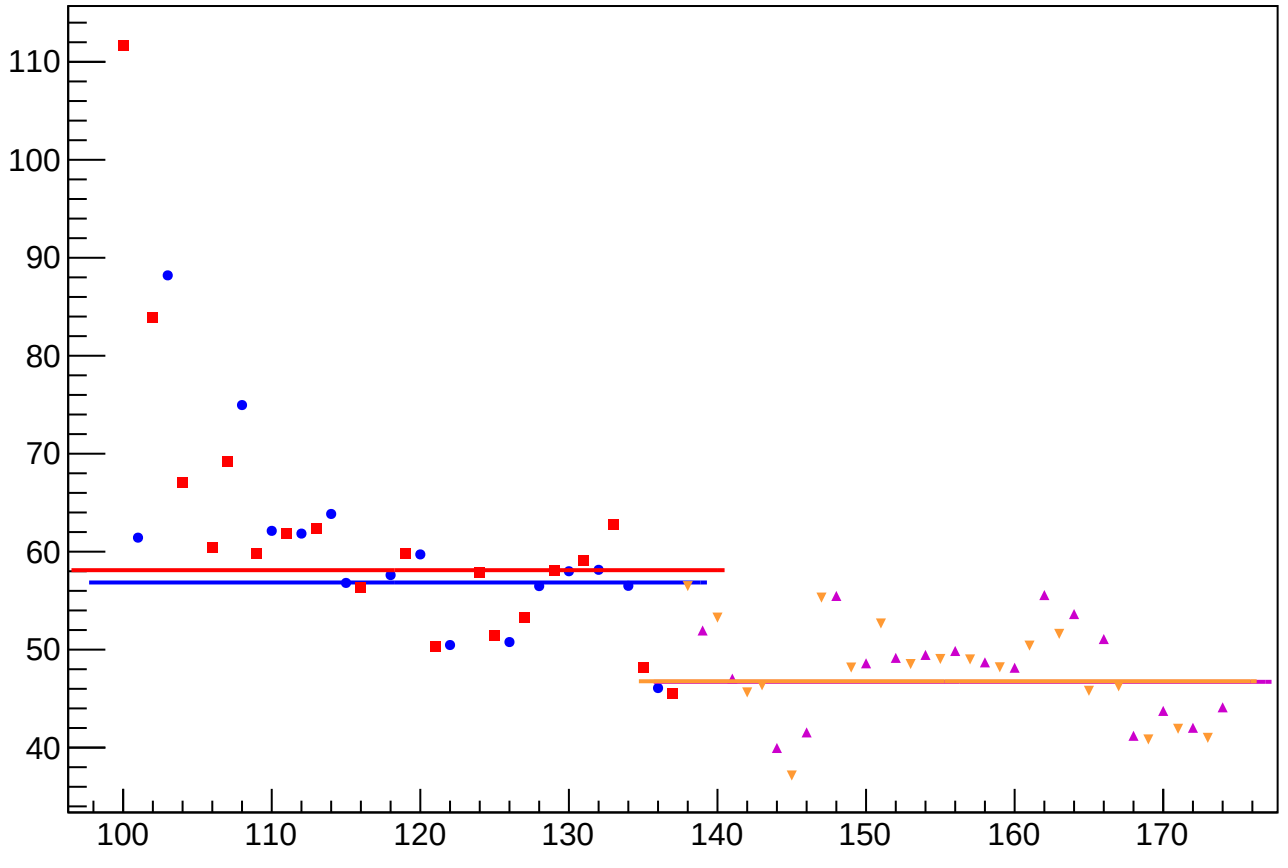
Left: -23.634+/-8.630 χ^2/NDF: 39.7/36

Right: 45.064+/-15.240 χ^2/NDF: 37.3/34

In: 1.723+/-10.624 χ^2/NDF:51.9/33

Out: -15.617+/-10.615 χ^2/NDF:39.2/37

All: -6.954+/-7.509 χ^2/NDF: 92.4/71



Right In: 56.854+/-0.015 χ^2/NDF: 341605.0/15

Left Out: 46.772+/-0.009 χ^2/NDF:361071.1/18

Right Out: 58.111+/-0.015 χ^2/NDF: 312938.5/18

Left In: 46.714+/-0.009 χ^2/NDF:291815.0/17

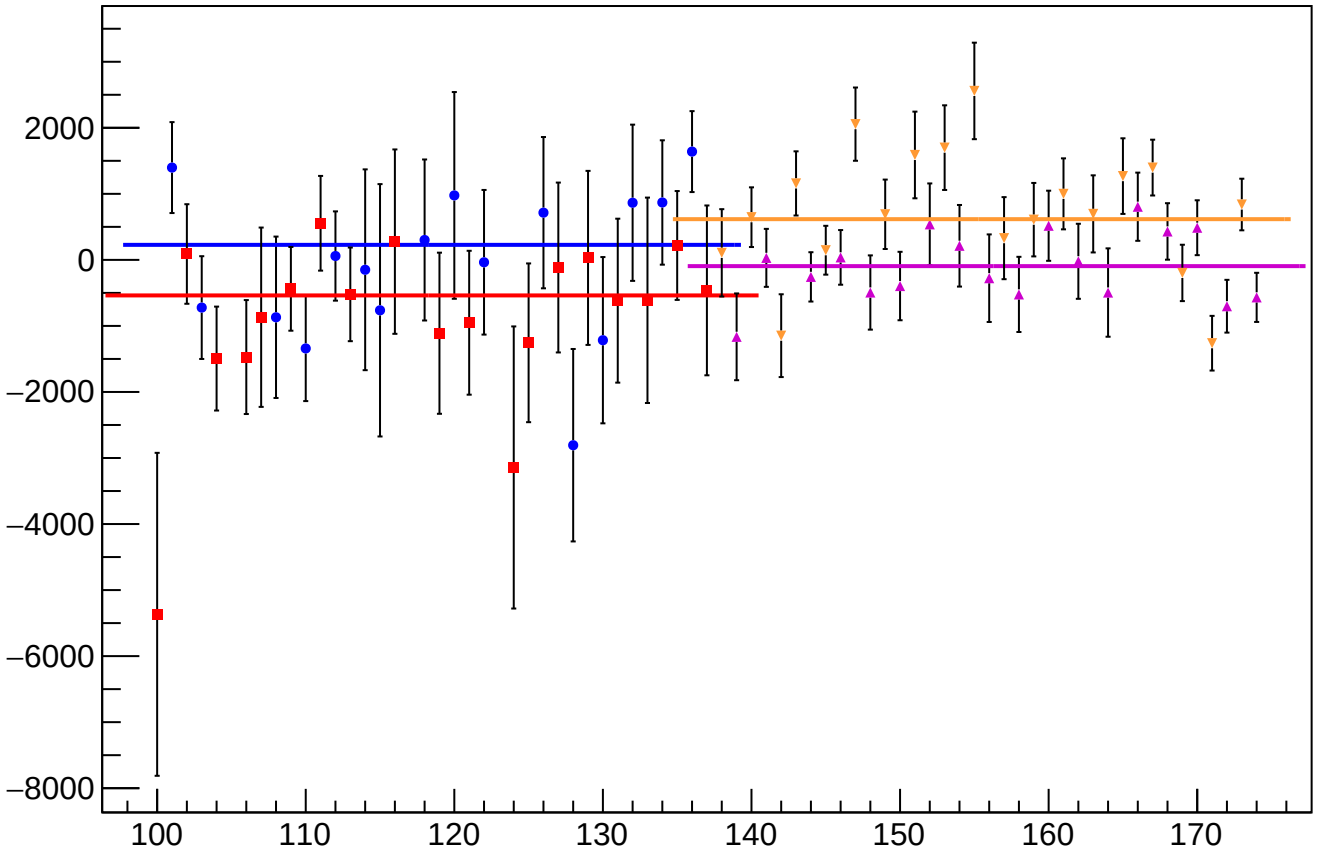
Left: 46.743+/-0.006 χ^2/NDF: 652908.1/36

Right: 57.478+/-0.011 χ^2/NDF: 657942.0/34

In: 49.196+/-0.008 χ^2/NDF:970201.1/33

Out: 49.502+/-0.008 χ^2/NDF:1091248.4/37

All: 49.349+/-0.005 χ^2/NDF: 2062280.9/71



Right In: 227.547+/-241.227 χ^2/NDF: 21.6/15

Left Out: 616.624+/-116.628 χ^2/NDF:60.2/18

Right Out: -538.117+/-228.754 χ^2/NDF: 13.3/18

Left In: -94.538+/-115.188 χ^2/NDF:17.9/17

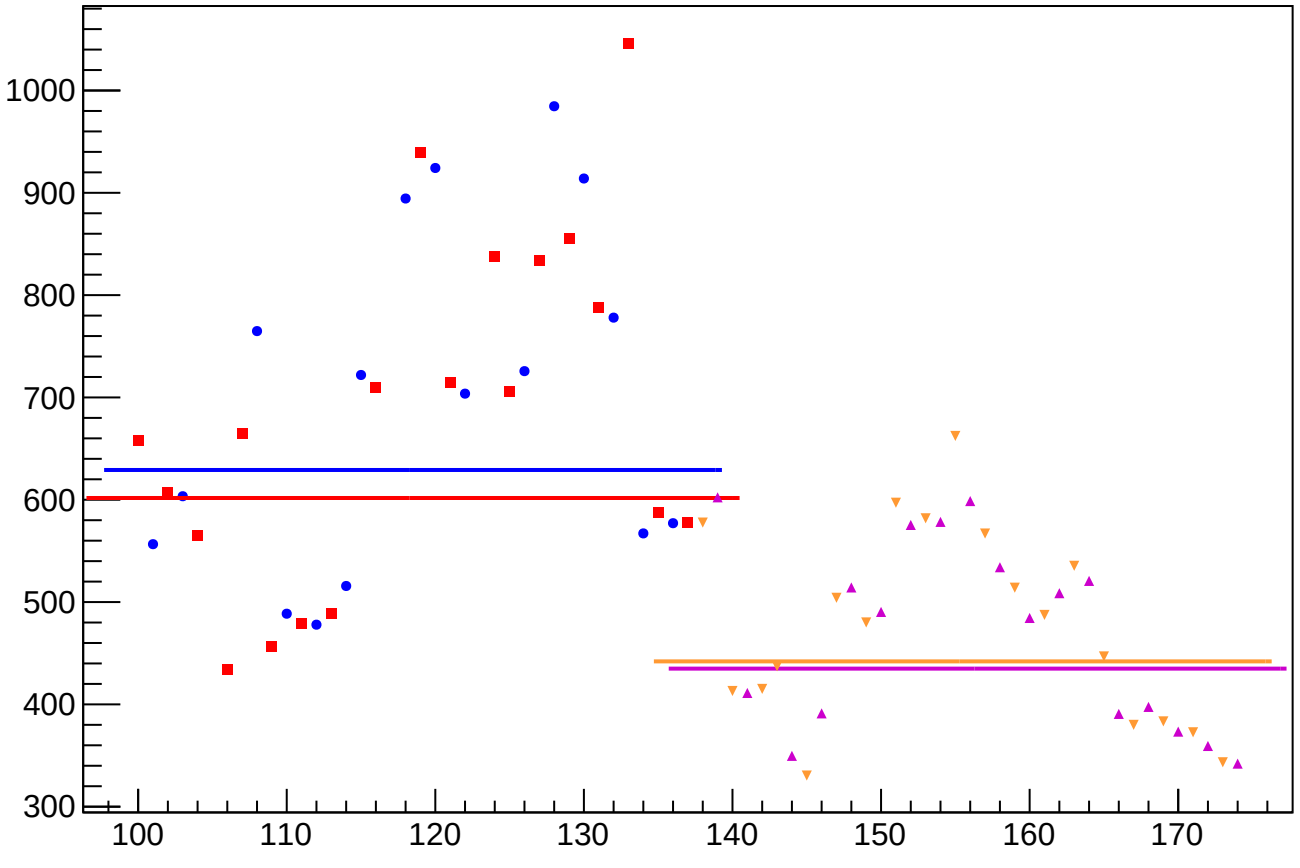
Left: 256.625+/-81.955 χ^2/NDF: 97.0/36

Right: -175.590+/-165.988 χ^2/NDF: 40.3/34

In: -34.734+/-103.946 χ^2/NDF:41.0/33

Out: 378.389+/-103.903 χ^2/NDF:93.8/37

All: 171.911+/-73.486 χ^2/NDF: 142.7/71



Right In: 629.101+/-0.171 χ^2/NDF: 692716.0/15

Left Out: 442.020+/-0.082 χ^2/NDF:1147138.4/18

Right Out: 601.721+/-0.162 χ^2/NDF: 874042.1/18

Left In: 434.943+/-0.081 χ^2/NDF:1072258.2/17

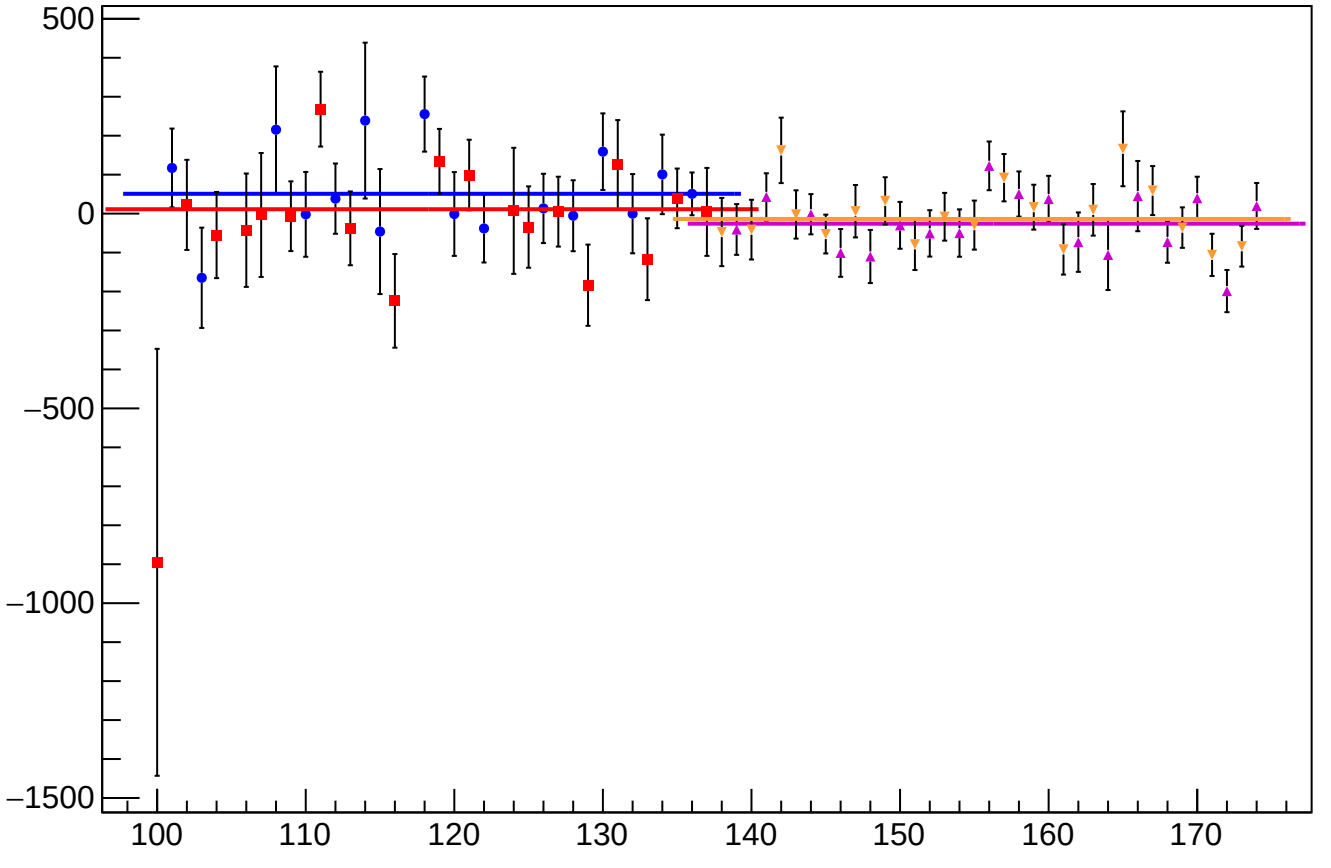
Left: 438.437+/-0.058 χ^2/NDF: 2223124.6/36

Right: 614.684+/-0.117 χ^2/NDF: 1580324.3/34

In: 470.994+/-0.074 χ^2/NDF:2820052.3/33

Out: 474.968+/-0.073 χ^2/NDF:2794851.1/37

All: 472.982+/-0.052 χ^2/NDF: 5616365.8/71



Right In: 50.861+/-24.492 χ^2/NDF: 13.8/15

Left Out: -13.726+/-14.398 χ^2/NDF:21.6/18

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -25.862+/-14.504 χ^2/NDF:28.2/17

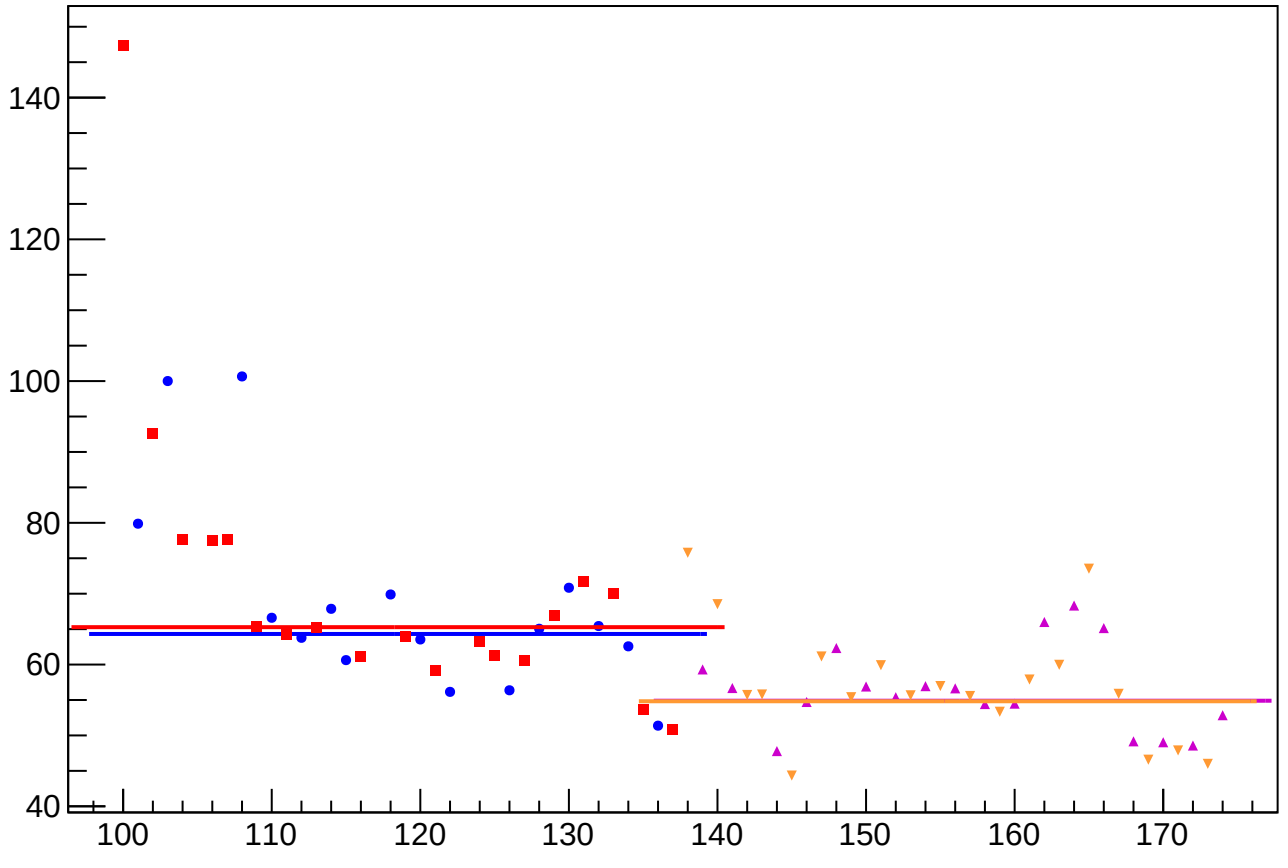
Left: -19.749+/-10.218 χ^2/NDF: 50.2/36

Right: 30.925+/-17.259 χ^2/NDF: 39.1/34

In: -5.942+/-12.480 χ^2/NDF:49.2/33

Out: -7.243+/-12.390 χ^2/NDF:46.4/37

All: -6.597+/-8.793 χ^2/NDF: 95.7/71



Right In: 64.317+/-0.017 χ^2/NDF: 464952.4/15

Left Out: 54.822+/-0.010 χ^2/NDF:534891.0/18

Right Out: 65.277+/-0.017 χ^2/NDF: 319136.6/18

Left In: 54.897+/-0.010 χ^2/NDF:267091.6/17

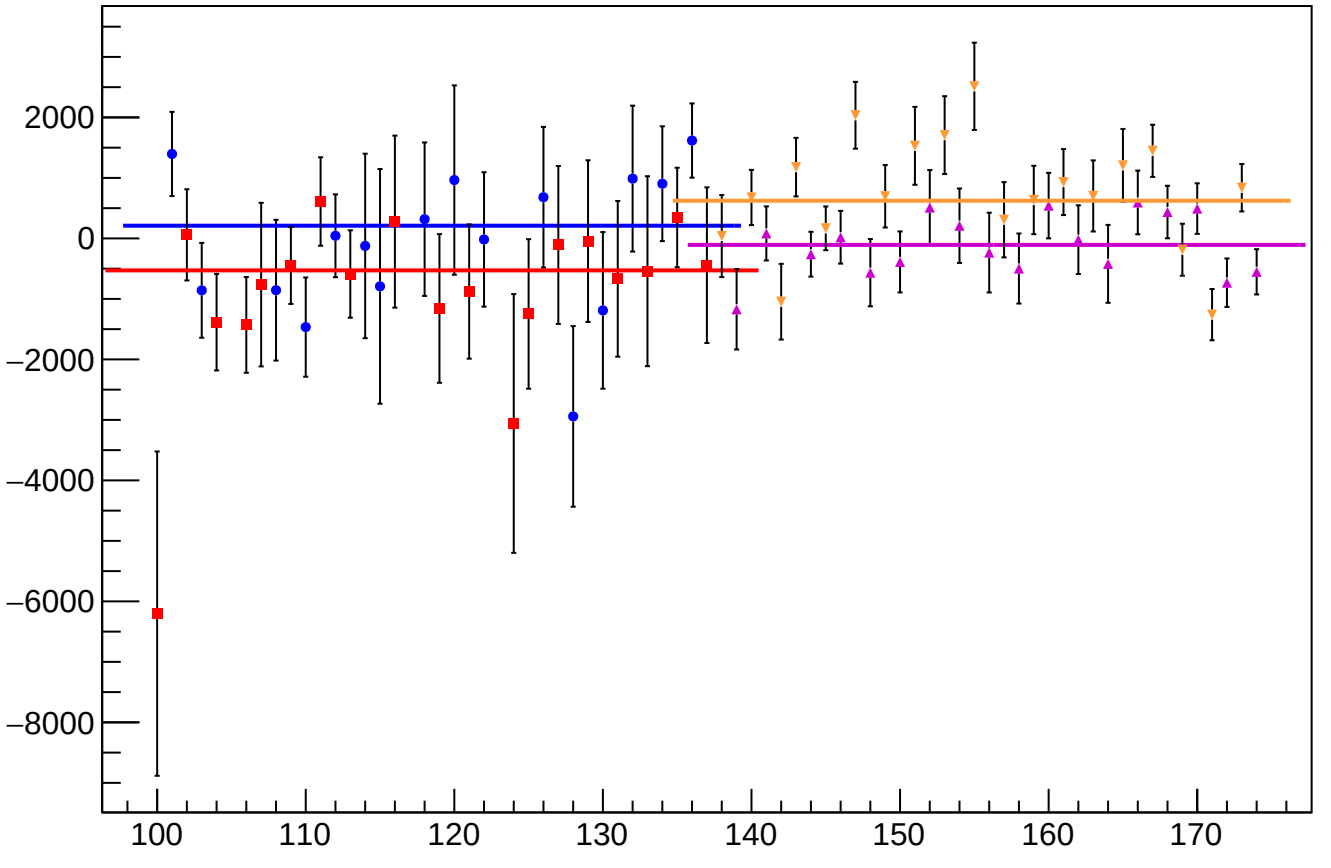
Left: 54.859+/-0.007 χ^2/NDF: 802009.7/36

Right: 64.800+/-0.012 χ^2/NDF: 785637.7/34

In: 57.343+/-0.009 χ^2/NDF:951065.3/33

Out: 57.535+/-0.009 χ^2/NDF:1127668.8/37

All: 57.440+/-0.006 χ^2/NDF: 2078971.8/71



Right In: 210.018+/-243.798 χ^2/NDF: 22.4/15

Left Out: 622.949+/-117.170 χ^2/NDF:57.9/18

Right Out: -528.675+/-229.679 χ^2/NDF: 13.8/18

Left In: -107.356+/-115.891 χ^2/NDF:16.7/17

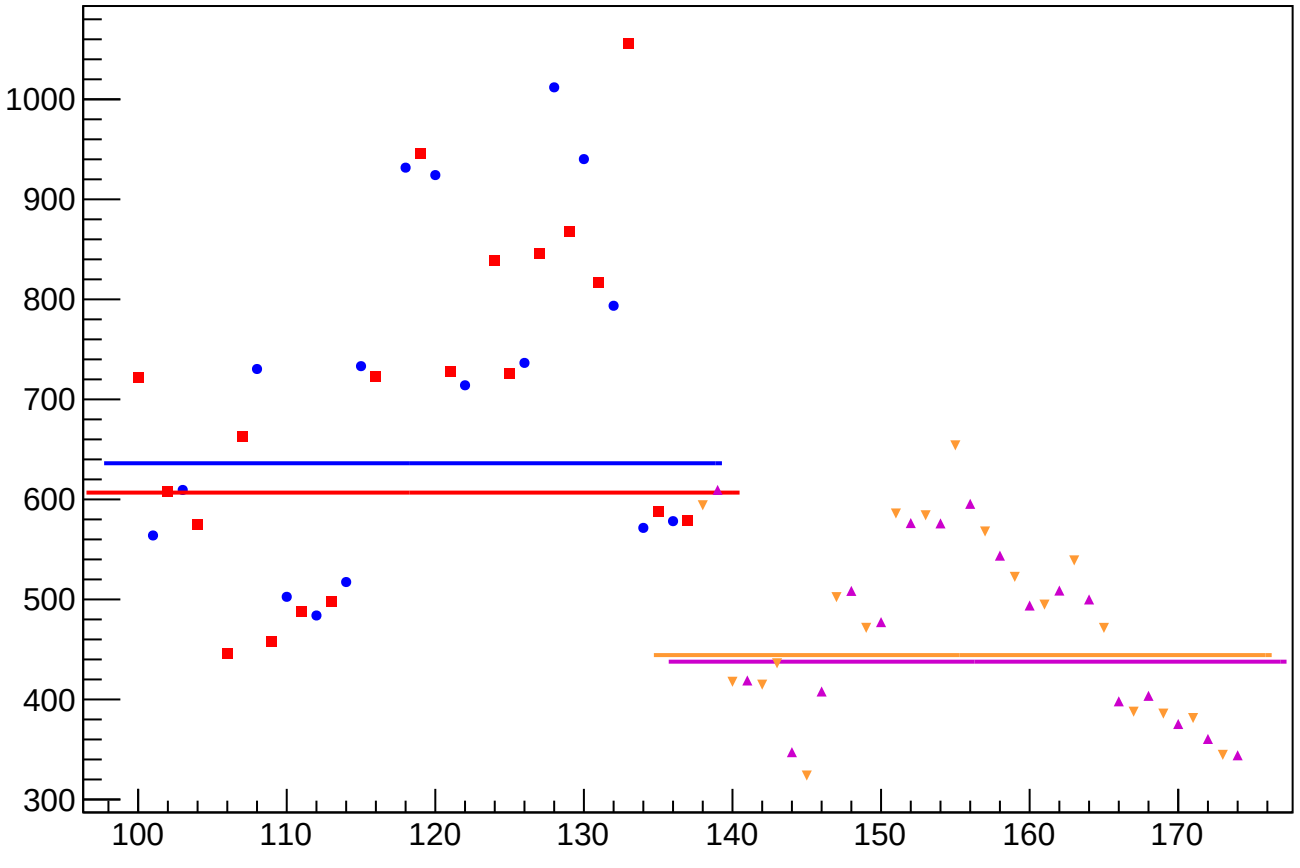
Left: 253.788+/-82.396 χ^2/NDF: 94.2/36

Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -48.859+/-104.667 χ^2/NDF:40.5/33

Out: 385.130+/-104.373 χ^2/NDF:91.6/37

All: 168.746+/-73.907 χ^2/NDF: 140.8/71



Right In: 636.144+/-0.172 χ^2/NDF: 705237.7/15

Left Out: 444.351+/-0.083 χ^2/NDF:1154694.5/18

Right Out: 606.803+/-0.162 χ^2/NDF: 893878.7/18

Left In: 437.766+/-0.082 χ^2/NDF:1031836.4/17

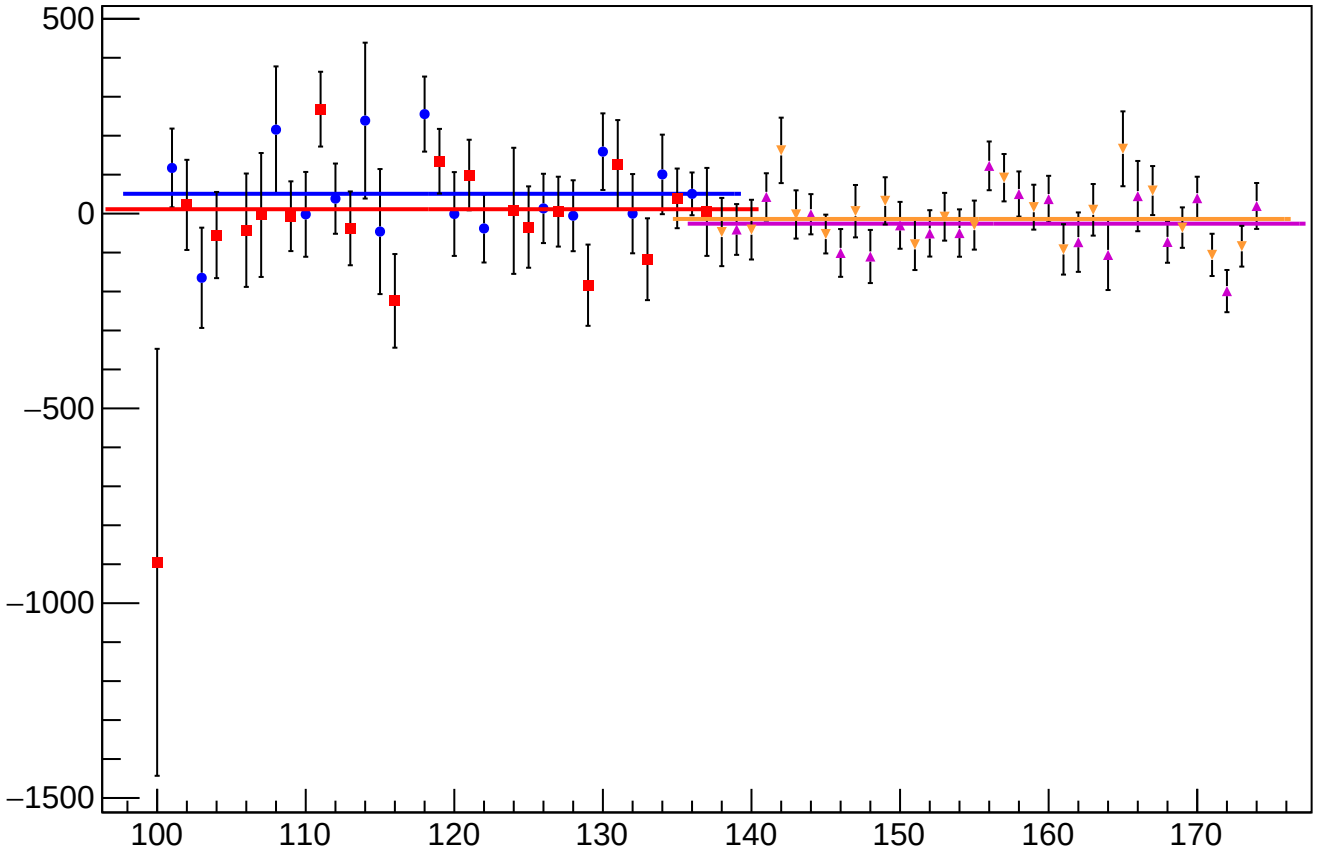
Left: 441.022+/-0.058 χ^2/NDF: 2189724.1/36

Right: 620.599+/-0.118 χ^2/NDF: 1614464.0/34

In: 474.330+/-0.074 χ^2/NDF:2817219.6/33

Out: 477.898+/-0.074 χ^2/NDF:2842502.2/37

All: 476.119+/-0.052 χ^2/NDF: 5660887.5/71



Right In: 50.859+/-24.492 χ^2/NDF: 13.8/15

Left Out: -13.727+/-14.398 χ^2/NDF:21.6/18

Right Out: 11.261+/-24.324 χ^2/NDF: 24.0/18

Left In: -25.862+/-14.504 χ^2/NDF:28.2/17

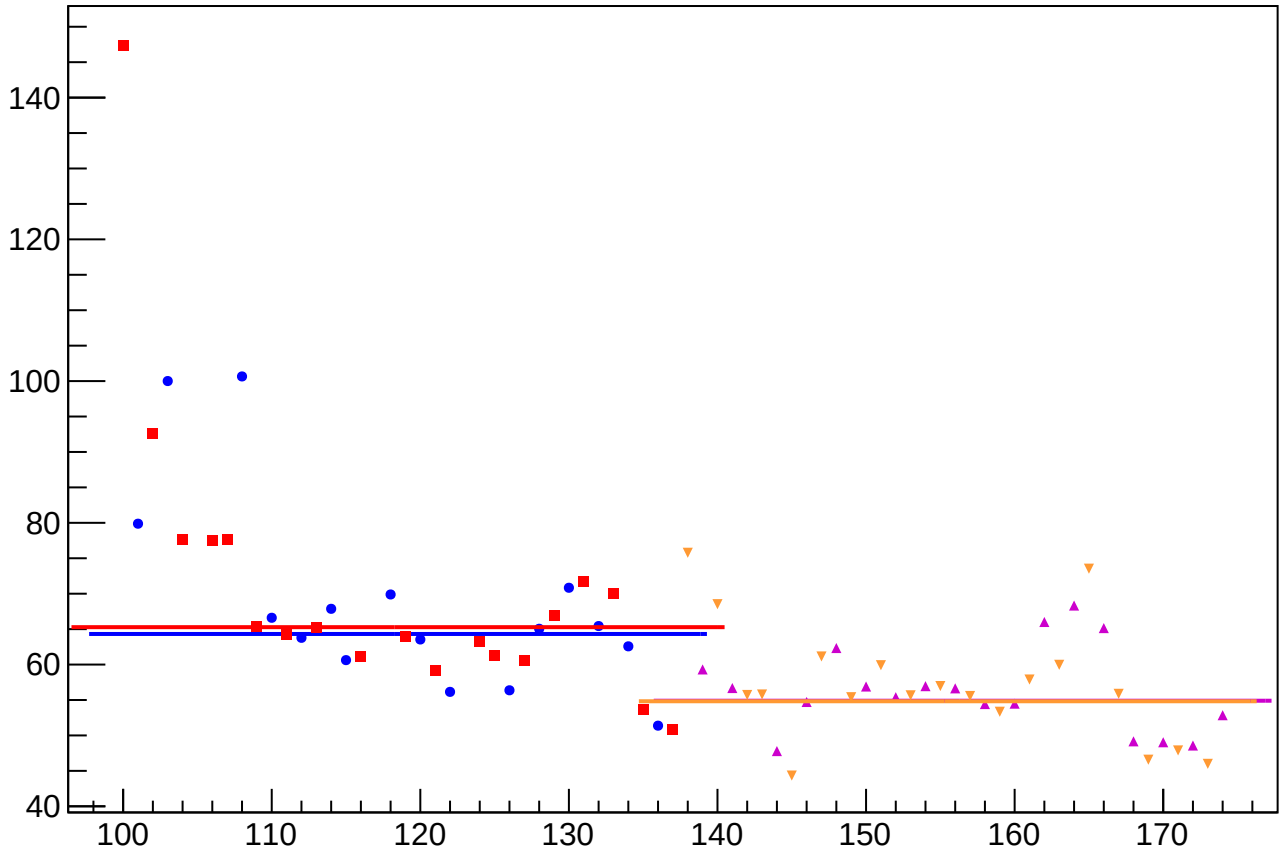
Left: -19.750+/-10.218 χ^2/NDF: 50.2/36

Right: 30.924+/-17.259 χ^2/NDF: 39.1/34

In: -5.942+/-12.480 χ^2/NDF:49.2/33

Out: -7.244+/-12.390 χ^2/NDF:46.4/37

All: -6.598+/-8.793 χ^2/NDF: 95.7/71



Right In: 64.317+/-0.017 χ^2/NDF: 464950.5/15

Left Out: 54.822+/-0.010 χ^2/NDF:534880.1/18

Right Out: 65.277+/-0.017 χ^2/NDF: 319140.2/18

Left In: 54.897+/-0.010 χ^2/NDF:267091.0/17

Left: 54.860+/-0.007 χ^2/NDF: 801998.2/36

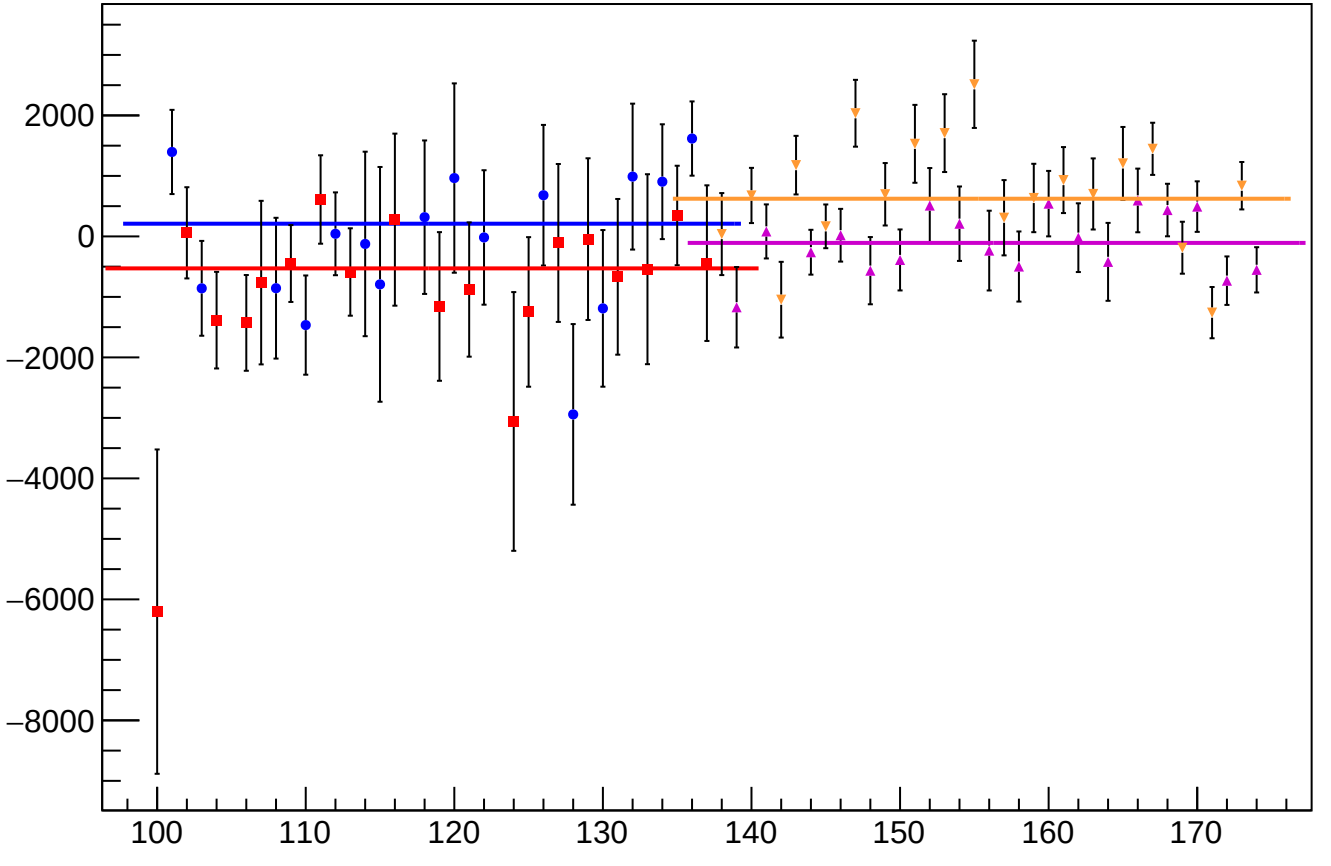
Right: 64.800+/-0.012 χ^2/NDF: 785639.3/34

In: 57.343+/-0.009 χ^2/NDF:951056.2/33

Out: 57.535+/-0.009 χ^2/NDF:1127647.4/37

All: 57.440+/-0.006 χ^2/NDF: 2078941.5/71

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 210.017+/-243.798 χ^2/NDF: 22.4/15

Left Out: 622.948+/-117.170 χ^2/NDF:57.9/18

Right Out: -528.674+/-229.678 χ^2/NDF: 13.8/18

Left In: -107.355+/-115.891 χ^2/NDF:16.7/17

Left: 253.788+/-82.396 χ^2/NDF: 94.2/36

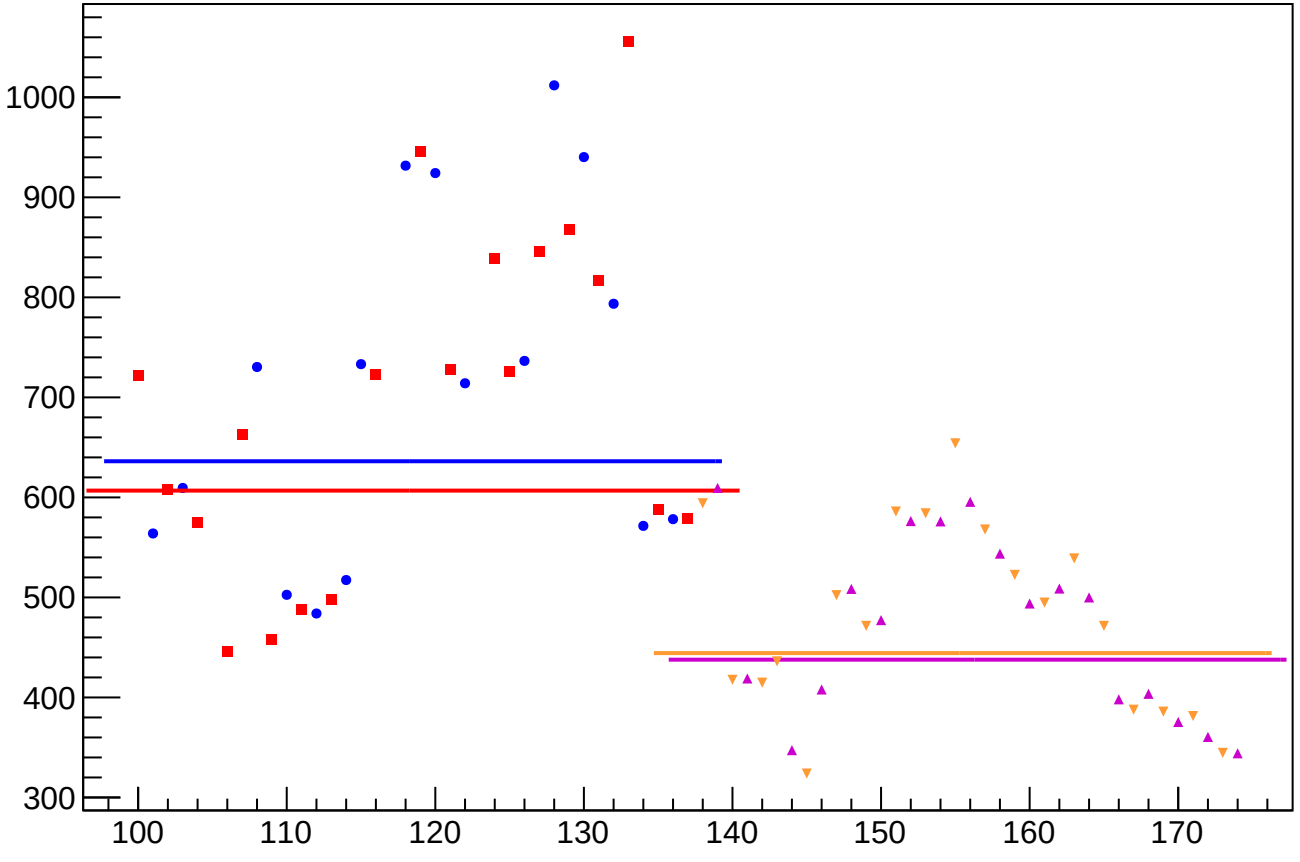
Right: -181.337+/-167.176 χ^2/NDF: 41.1/34

In: -48.859+/-104.667 χ^2/NDF:40.5/33

Out: 385.130+/-104.373 χ^2/NDF:91.6/37

All: 168.746+/-73.907 χ^2/NDF: 140.8/71

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 636.144+/-0.172 χ^2/NDF: 705241.1/15

Left Out: 444.350+/-0.083 χ^2/NDF:1154703.3/18

Right Out: 606.802+/-0.162 χ^2/NDF: 893880.8/18

Left In: 437.765+/-0.082 χ^2/NDF:1031845.2/17

Left: 441.021+/-0.058 χ^2/NDF: 2189741.9/36

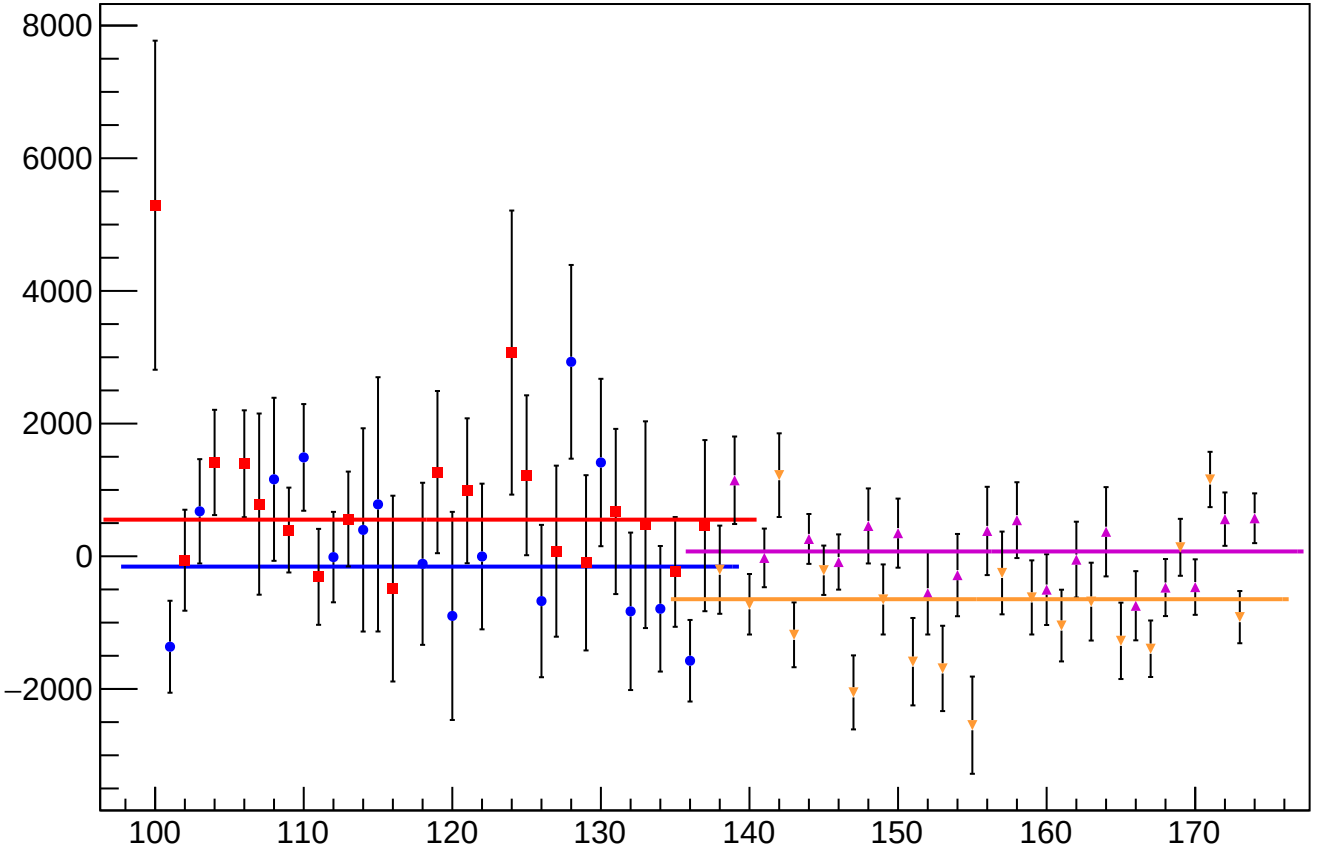
Right: 620.599+/-0.118 χ^2/NDF: 1614469.5/34

In: 474.329+/-0.074 χ^2/NDF:2817238.6/33

Out: 477.898+/-0.074 χ^2/NDF:2842517.2/37

All: 476.118+/-0.052 χ^2/NDF: 5660921.6/71

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -155.651+/-242.595 χ^2/NDF: 22.5/15

Left Out: -647.045+/-117.324 χ^2/NDF:57.3/18

Right Out: 552.176+/-228.890 χ^2/NDF: 12.1/18

Left In: 72.664+/-115.902 χ^2/NDF:16.5/17

Left: -282.804+/-82.453 χ^2/NDF: 92.8/36

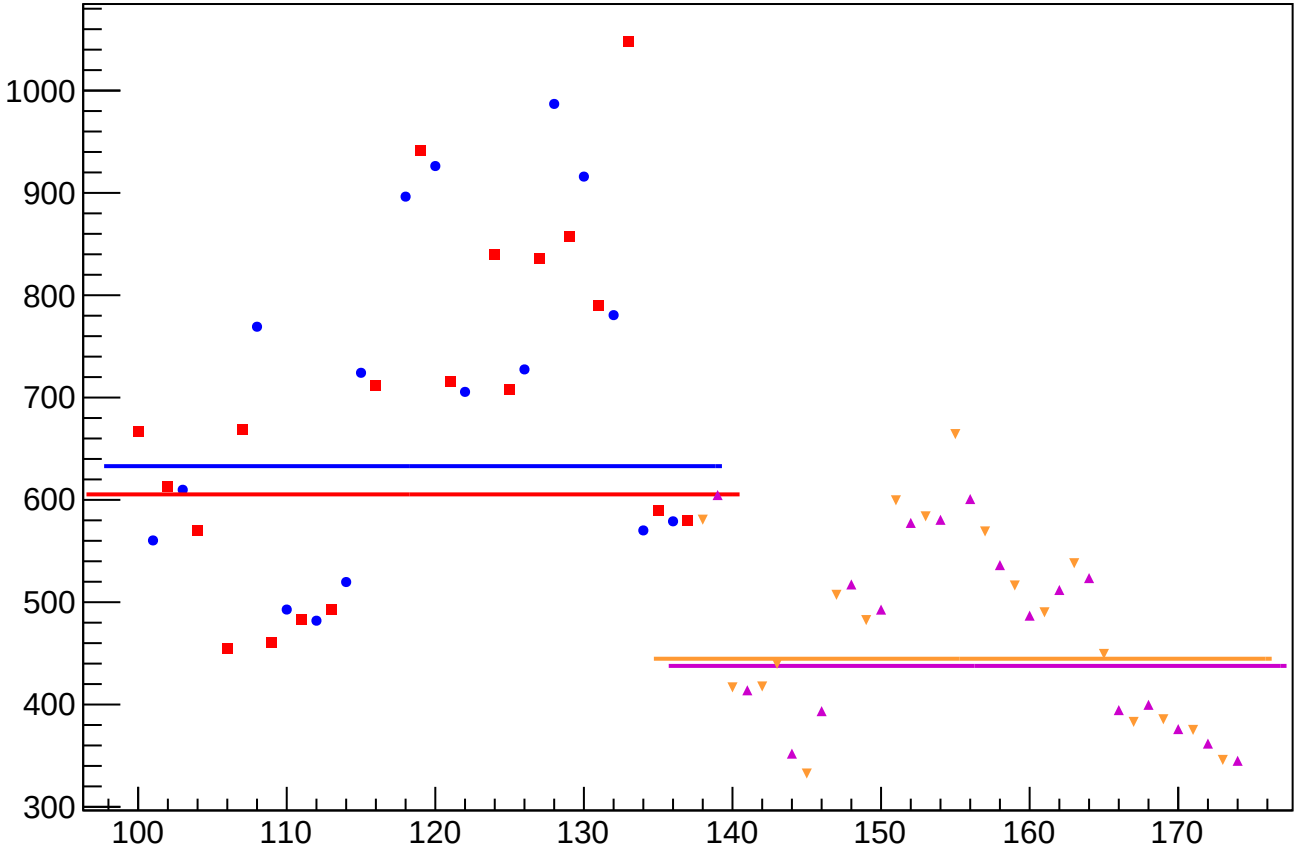
Right: 218.820+/-166.484 χ^2/NDF: 39.1/34

In: 30.234+/-104.580 χ^2/NDF:39.7/33

Out: -397.524+/-104.407 χ^2/NDF:91.2/37

All: -183.998+/-73.888 χ^2/NDF: 139.2/71

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 632.966+/-0.172 χ^2/NDF: 681138.4/15

Left Out: 444.762+/-0.083 χ^2/NDF:1134915.2/18

Right Out: 605.373+/-0.162 χ^2/NDF: 853994.0/18

Left In: 437.751+/-0.082 χ^2/NDF:1058612.4/17

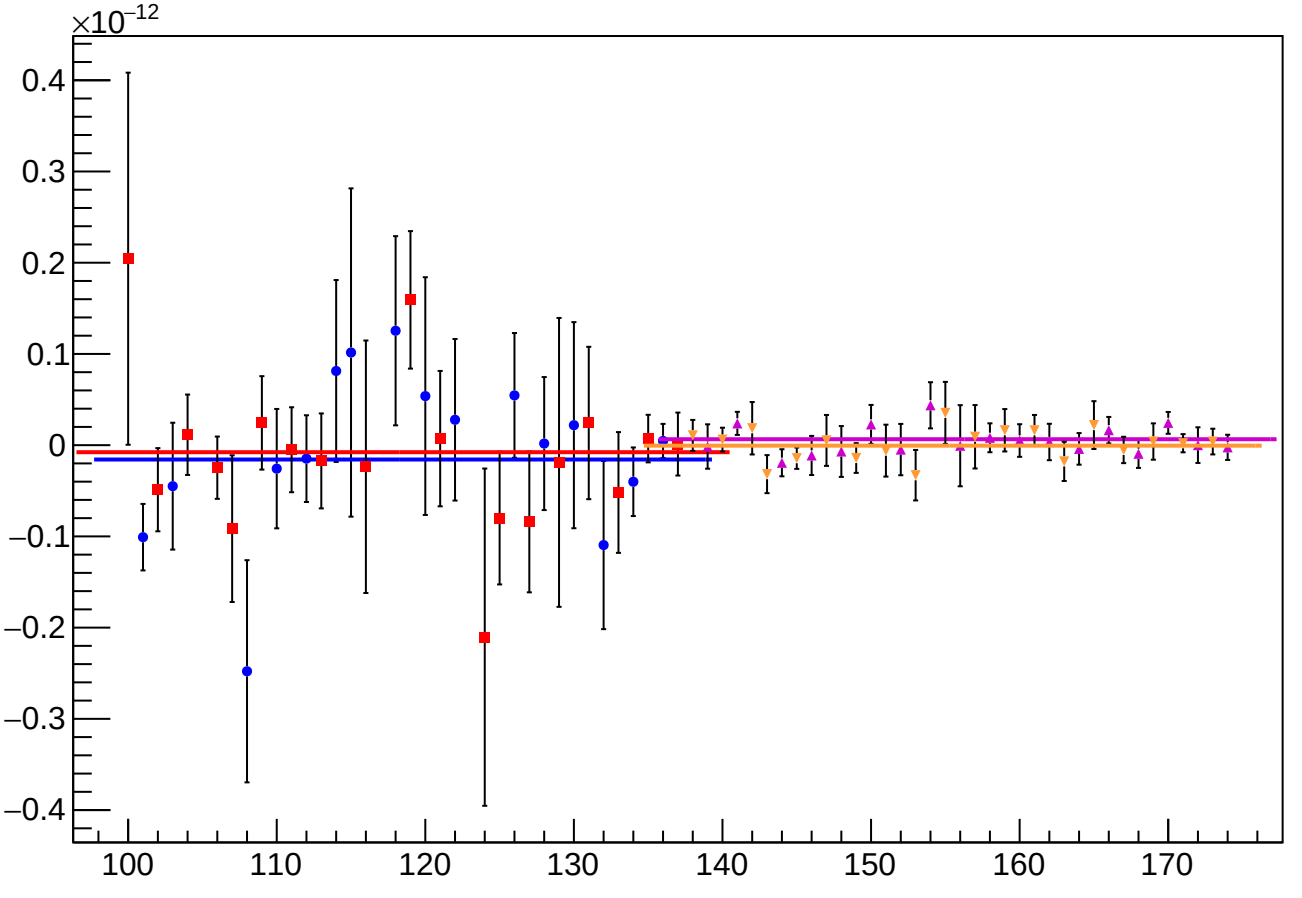
Left: 441.214+/-0.058 χ^2/NDF: 2197141.8/36

Right: 618.368+/-0.118 χ^2/NDF: 1548821.0/34

In: 474.029+/-0.074 χ^2/NDF:2794145.6/33

Out: 478.180+/-0.074 χ^2/NDF:2768766.6/37

All: 476.108+/-0.052 χ^2/NDF: 5564490.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.0/18

Left In: 0.000+/-0.000 χ^2/NDF:13.6/17

Left: 0.000+/-0.000 χ^2/NDF: 26.4/36

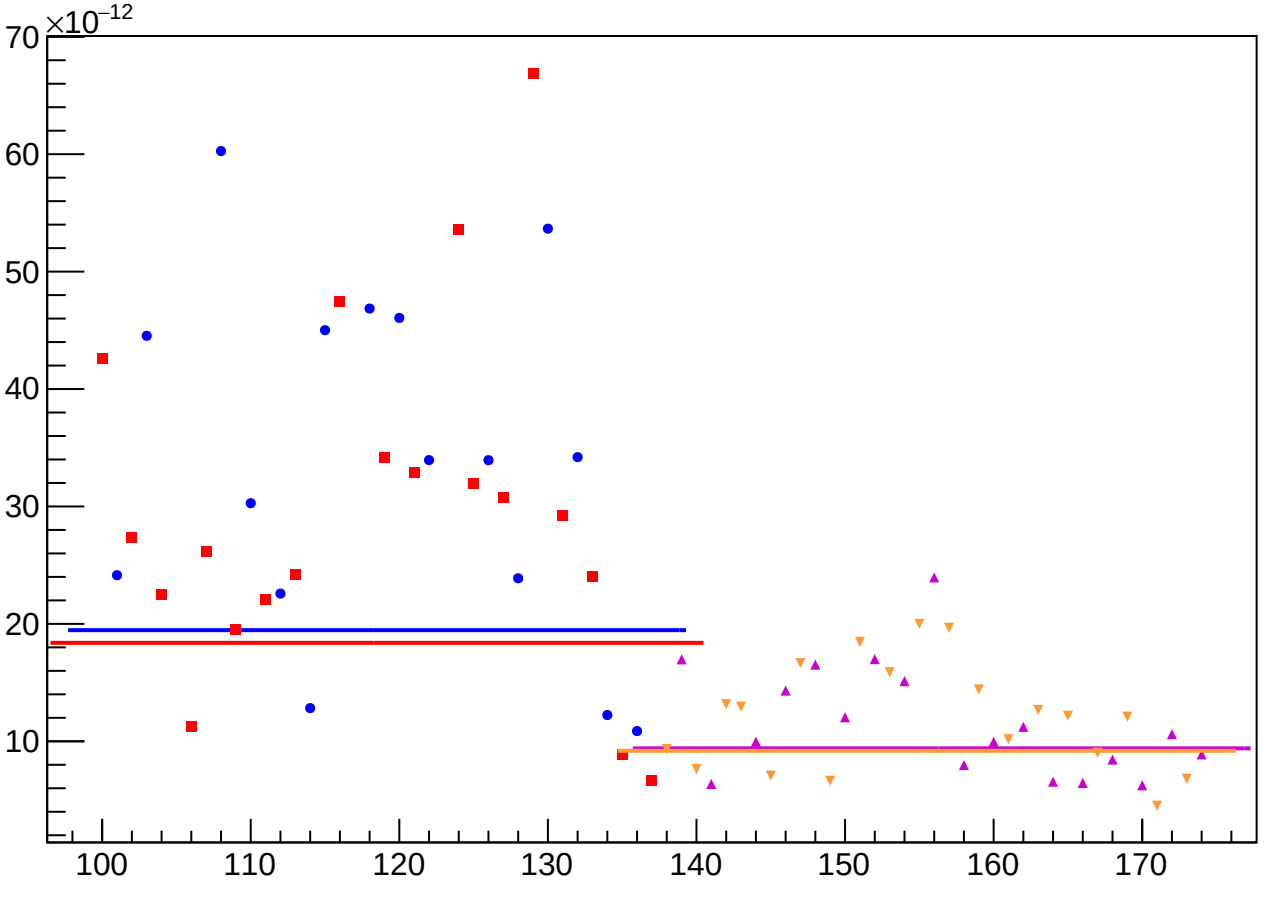
Right: -0.000+/-0.000 χ^2/NDF: 30.1/34

In: 0.000+/-0.000 χ^2/NDF:33.3/33

Out: -0.000+/-0.000 χ^2/NDF:24.6/37

All: 0.000+/-0.000 χ^2/NDF: 58.9/71

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1735565.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1829706.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1444777.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1368482.2/17

Left: 0.000+/-0.000 χ^2/NDF: 3200690.2/36

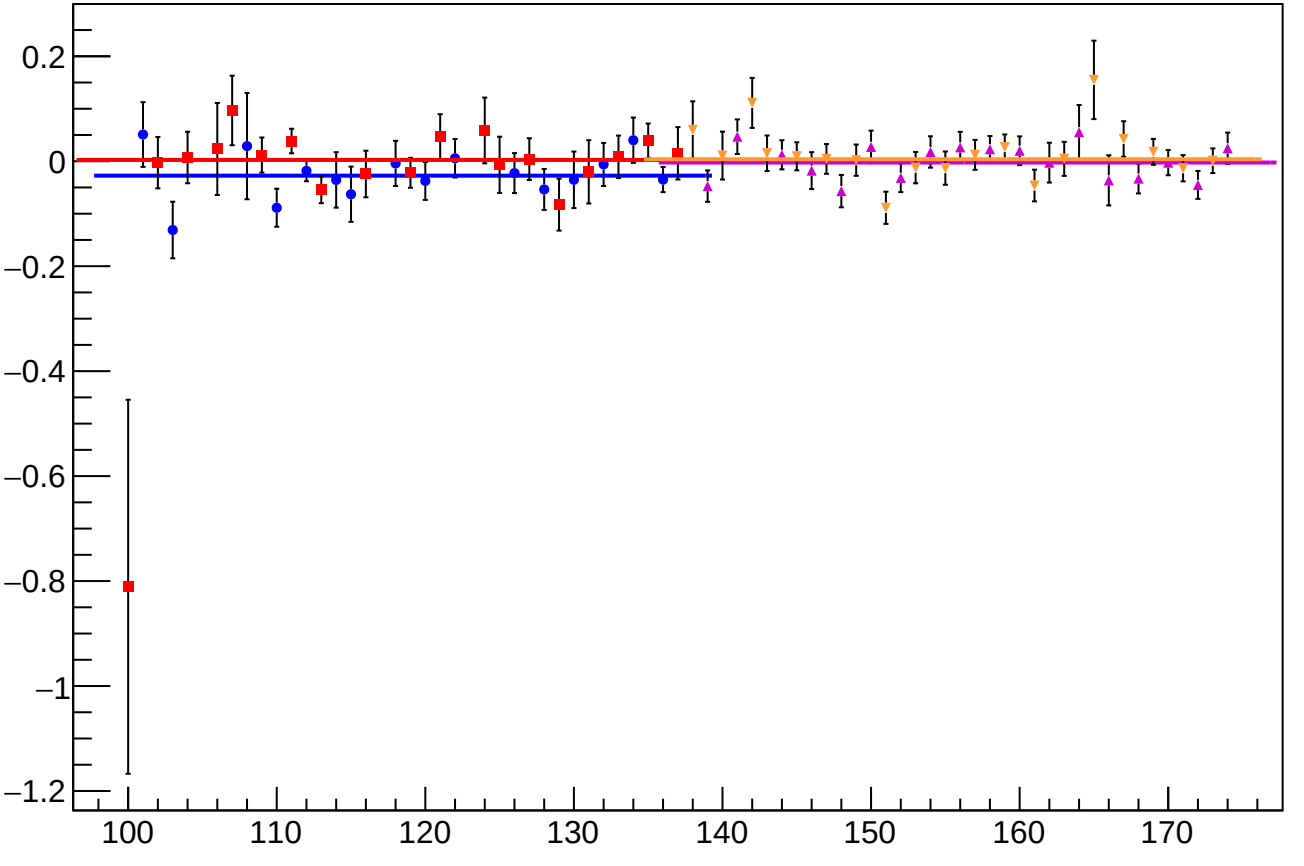
Right: 0.000+/-0.000 χ^2/NDF: 3187950.4/34

In: 0.000+/-0.000 χ^2/NDF:4254917.9/33

Out: 0.000+/-0.000 χ^2/NDF:4303074.0/37

All: 0.000+/-0.000 χ^2/NDF: 8562718.2/71

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

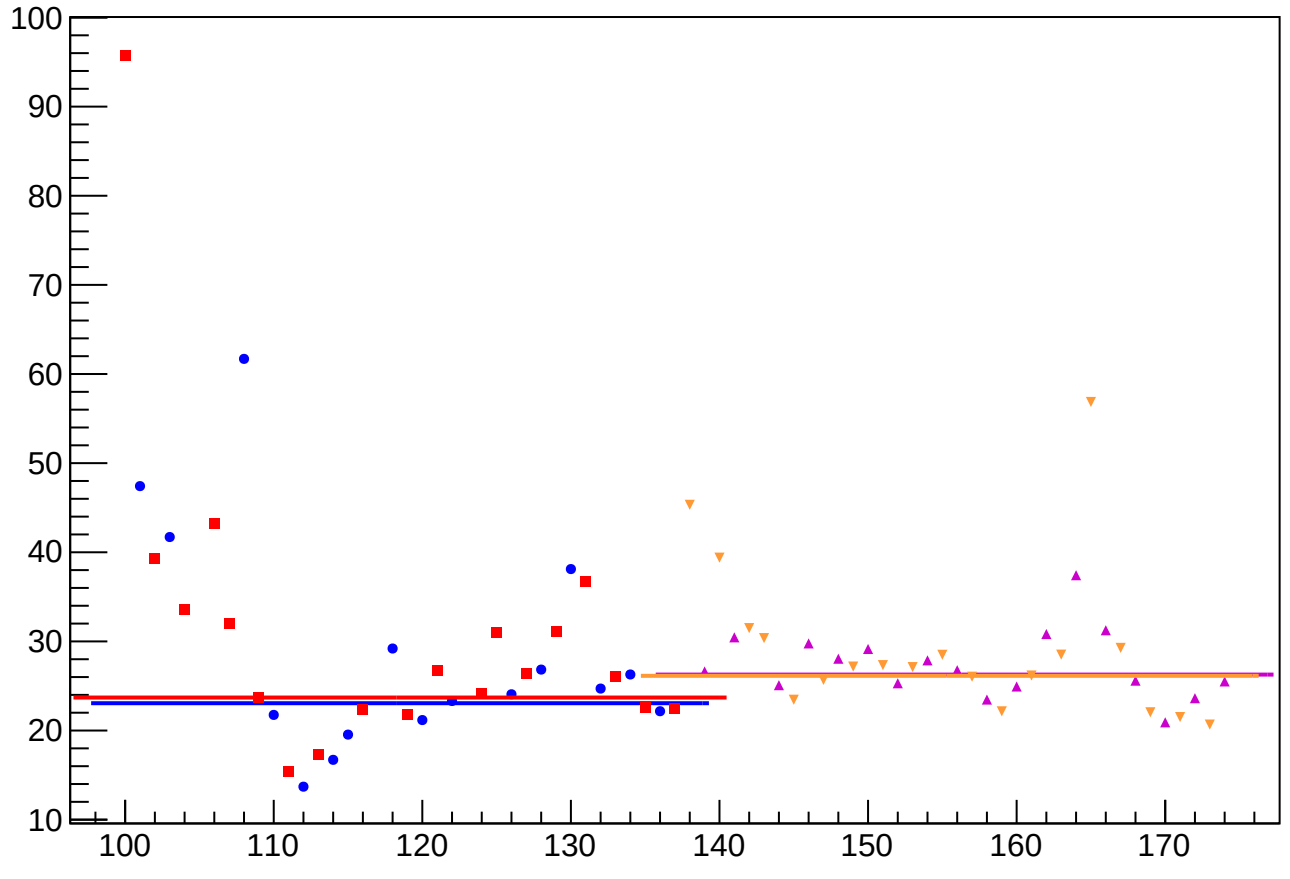
Left: 0.001+/-0.005 χ^2/NDF: 45.9/36

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.004+/-0.004 χ^2/NDF: 89.3/71



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.140+/-0.005 χ^2/NDF:1164967.9/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

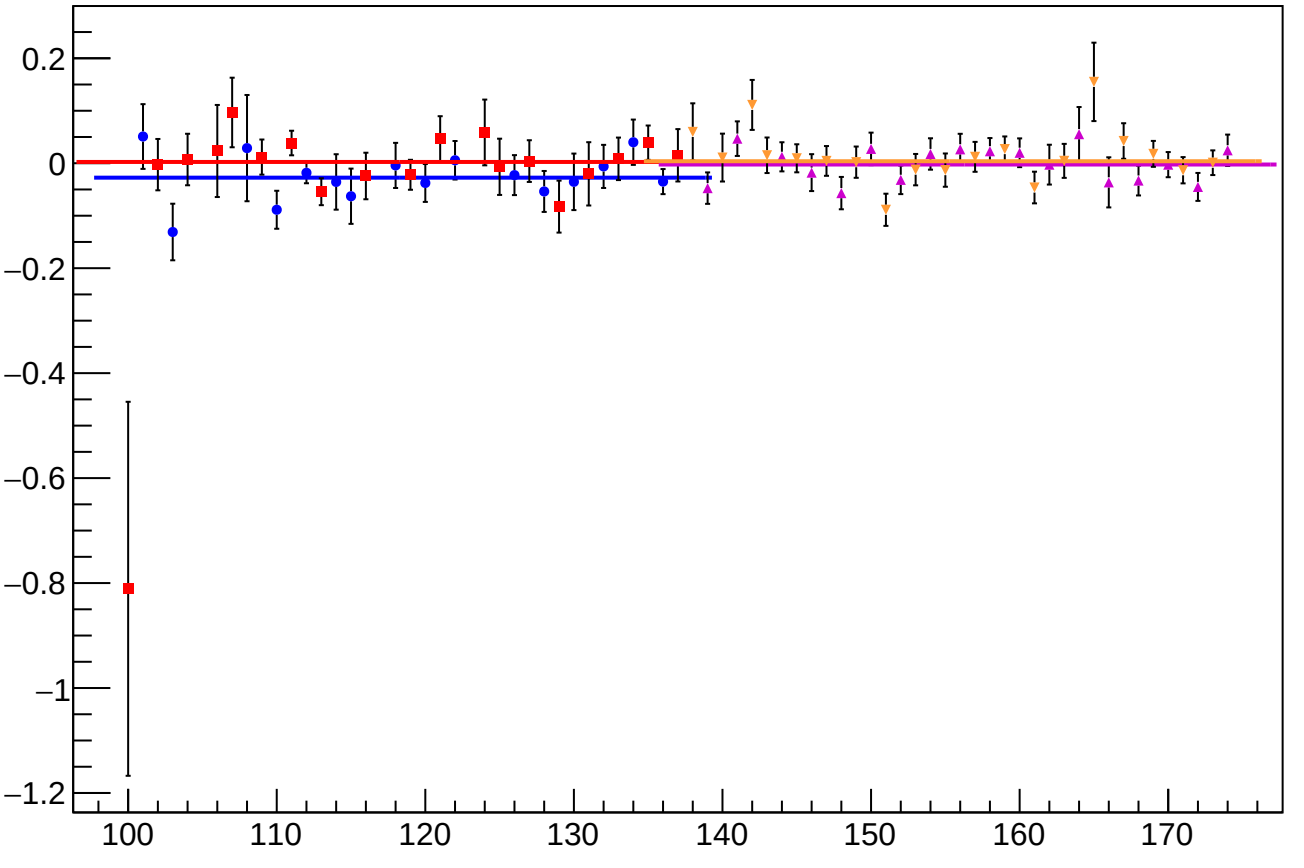
Left: 26.208+/-0.004 χ^2/NDF: 1549140.9/36

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.107+/-0.004 χ^2/NDF:2096883.1/33

Out: 25.251+/-0.004 χ^2/NDF:2340902.6/37

All: 25.180+/-0.003 χ^2/NDF: 4438433.0/71



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

Left: 0.001+/-0.005 χ^2/NDF: 45.9/36

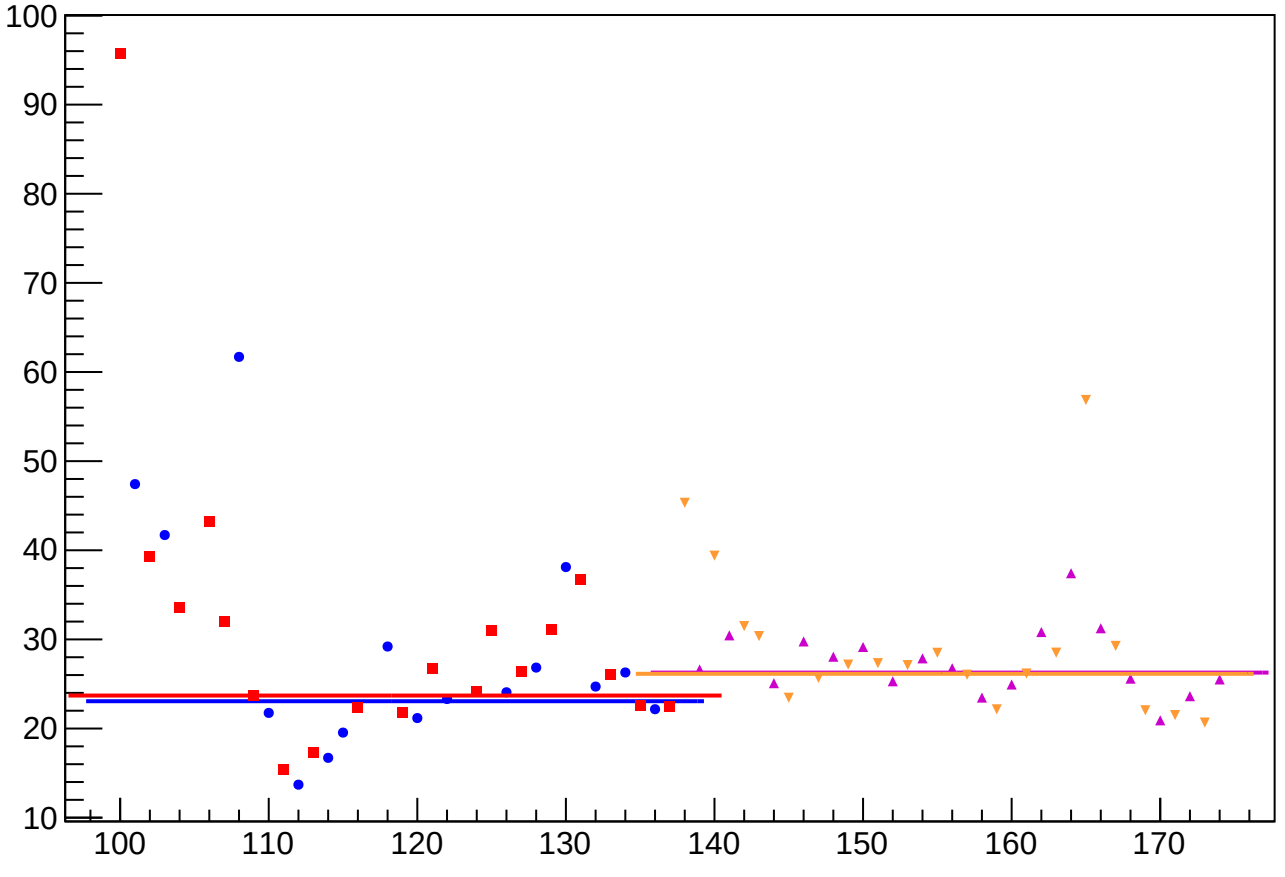
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.004+/-0.004 χ^2/NDF: 89.3/71

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.066+/-0.007 χ^2/NDF: 1564478.6/15

Left Out: 26.140+/-0.005 χ^2/NDF:1164967.9/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088494.2/18

Left In: 26.277+/-0.005 χ^2/NDF:383796.1/17

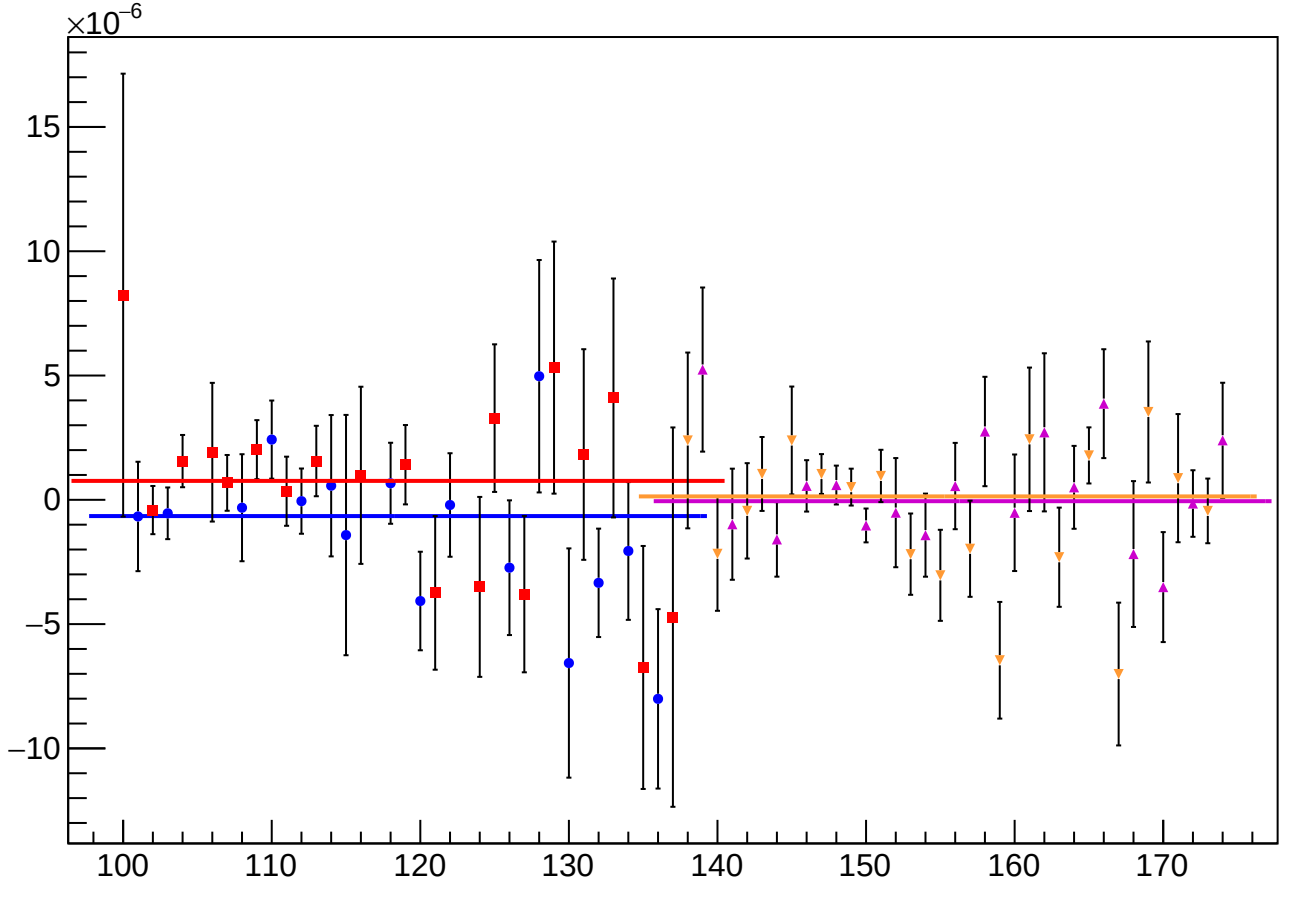
Left: 26.208+/-0.004 χ^2/NDF: 1549140.9/36

Right: 23.387+/-0.005 χ^2/NDF: 2657617.1/34

In: 25.107+/-0.004 χ^2/NDF:2096883.1/33

Out: 25.251+/-0.004 χ^2/NDF:2340902.6/37

All: 25.180+/-0.003 χ^2/NDF: 4438433.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 17.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 15.2/18

Left In: -0.000+/-0.000 χ^2/NDF:17.6/17

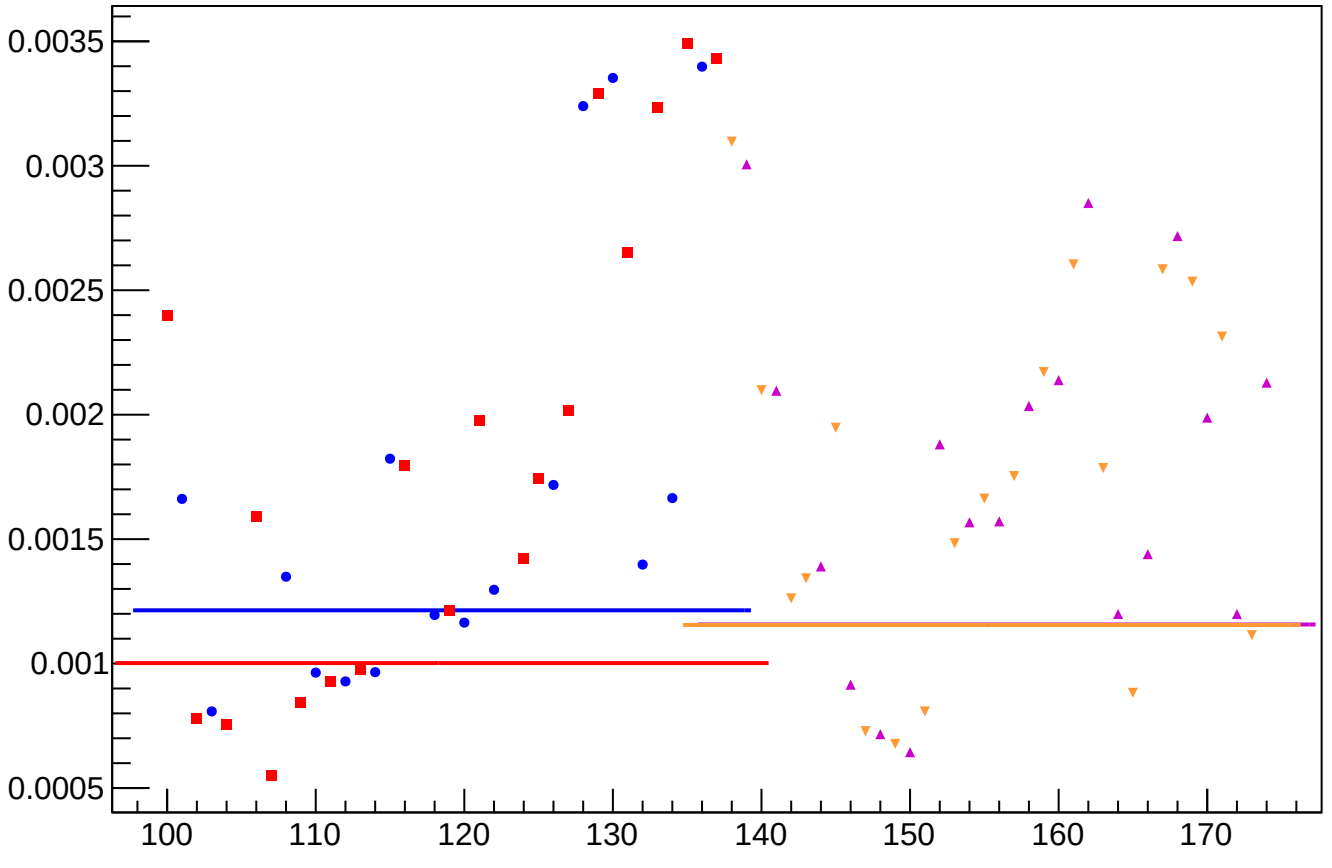
Left: 0.000+/-0.000 χ^2/NDF: 49.1/36

Right: 0.000+/-0.000 χ^2/NDF: 37.5/34

In: -0.000+/-0.000 χ^2/NDF:36.1/33

Out: 0.000+/-0.000 χ^2/NDF:47.9/37

All: 0.000+/-0.000 χ^2/NDF: 86.7/71



Right In: 0.001+/-0.000 χ^2/NDF: 2267402.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:5855433.7/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3277225.7/18

Left In: 0.001+/-0.000 χ^2/NDF:5833648.4/17

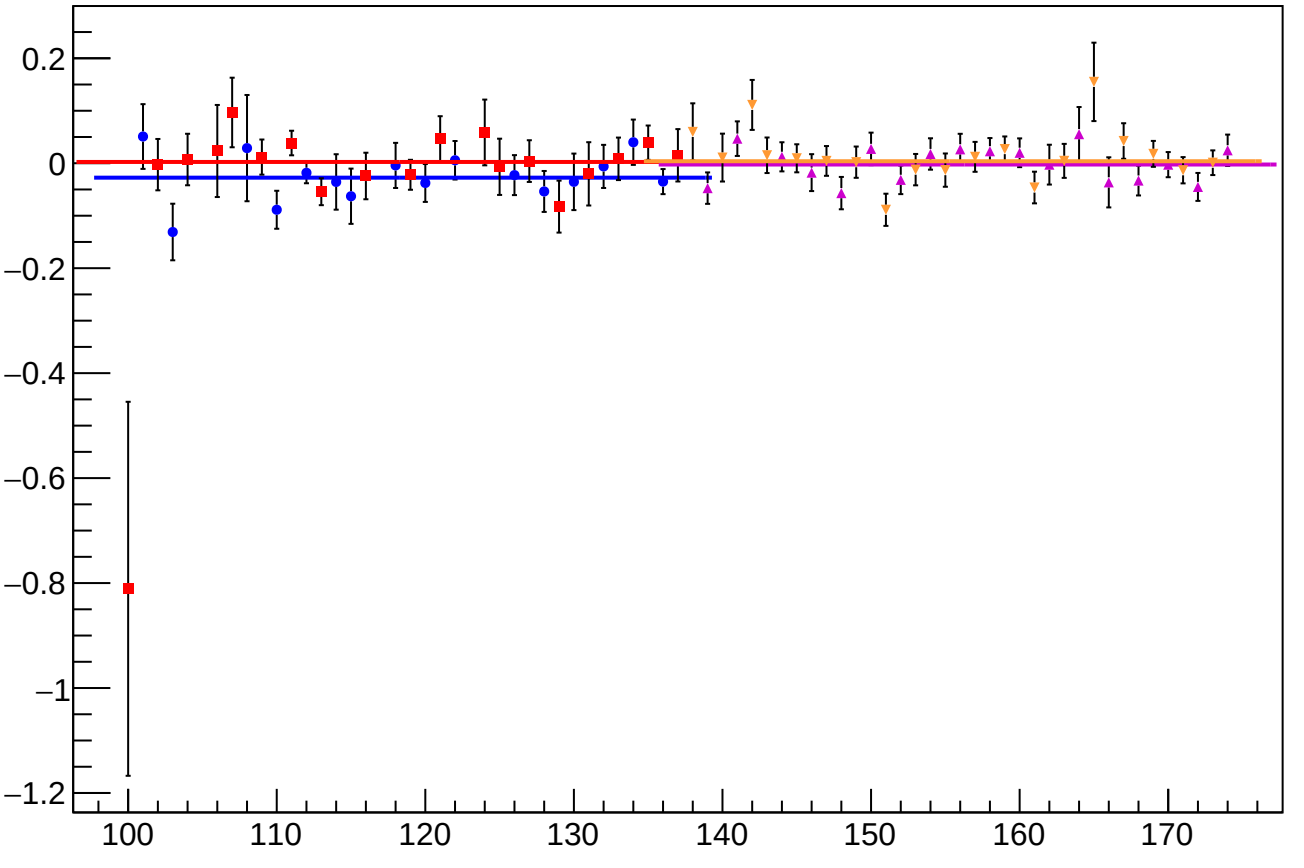
Left: 0.001+/-0.000 χ^2/NDF: 11689110.6/36

Right: 0.001+/-0.000 χ^2/NDF: 5755876.1/34

In: 0.001+/-0.000 χ^2/NDF:8118732.7/33

Out: 0.001+/-0.000 χ^2/NDF:9294360.9/37

All: 0.001+/-0.000 χ^2/NDF: 17499791.0/71



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

Left: 0.001+/-0.005 χ^2/NDF: 45.9/36

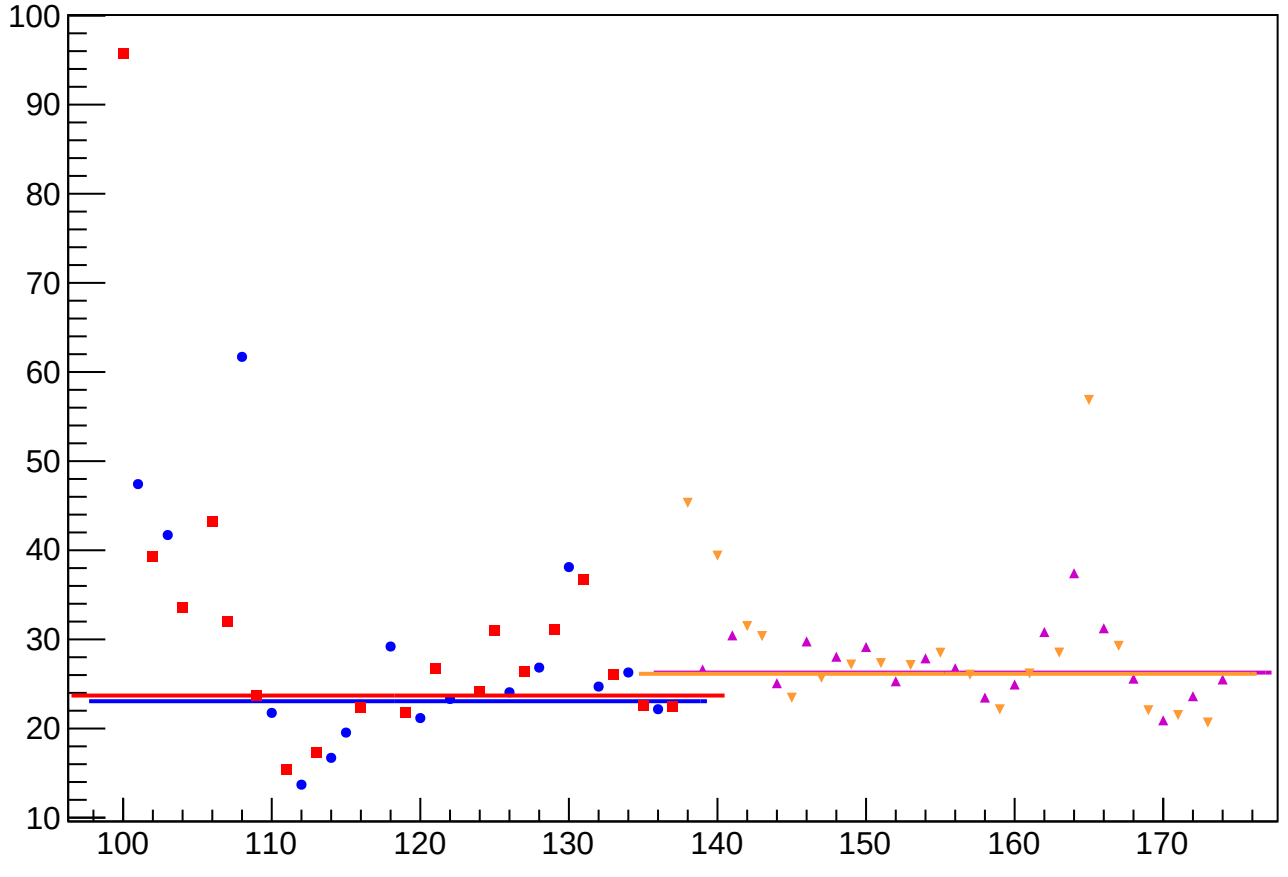
Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.004+/-0.004 χ^2/NDF: 89.3/71

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: 26.140+/-0.005 χ^2/NDF:1164922.7/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

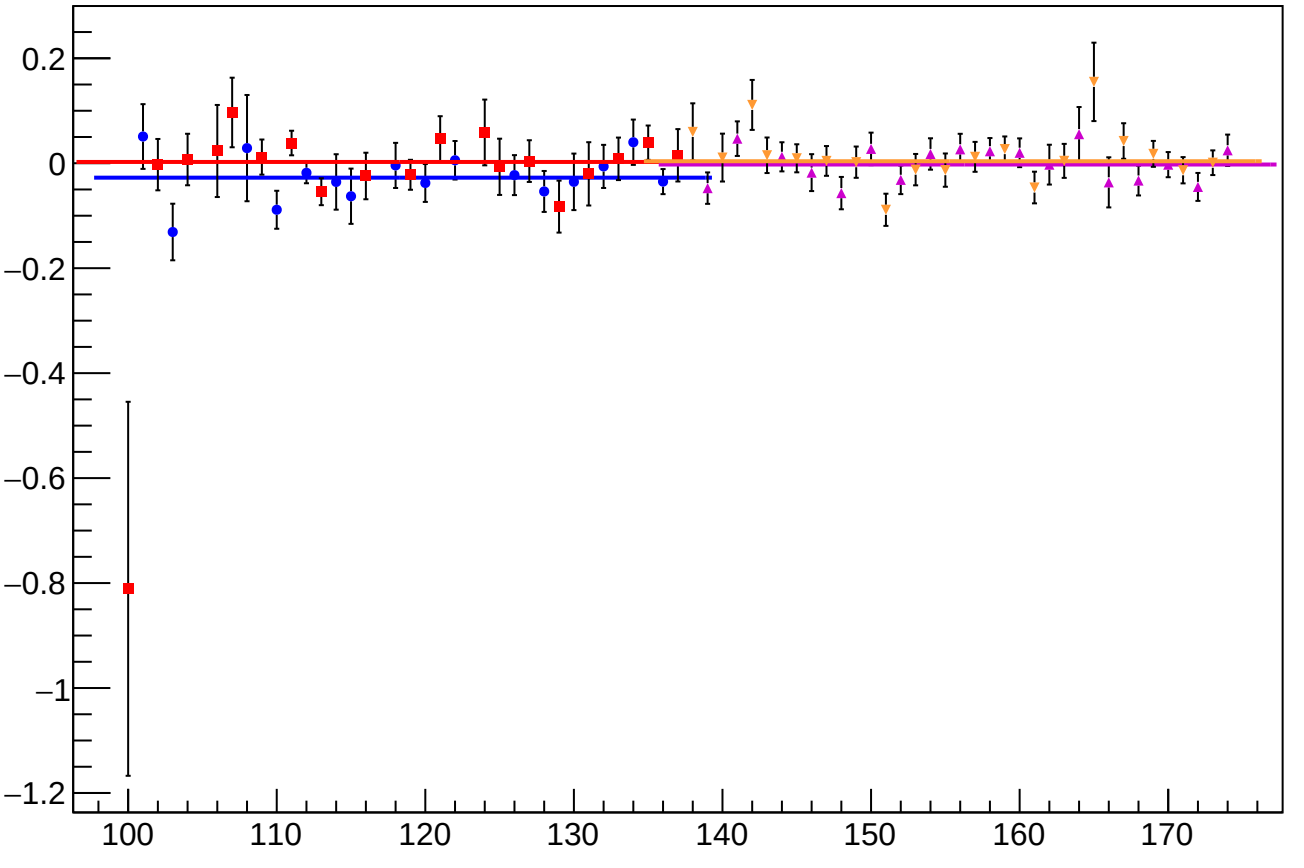
Left: 26.208+/-0.004 χ^2/NDF: 1549099.0/36

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.107+/-0.004 χ^2/NDF:2096937.6/33

Out: 25.251+/-0.004 χ^2/NDF:2340935.8/37

All: 25.180+/-0.003 χ^2/NDF: 4438521.4/71



Right In: -0.027+/-0.009 χ^2/NDF: 13.7/15

Left Out: 0.004+/-0.007 χ^2/NDF:26.0/18

Right Out: 0.002+/-0.009 χ^2/NDF: 22.1/18

Left In: -0.002+/-0.007 χ^2/NDF:19.6/17

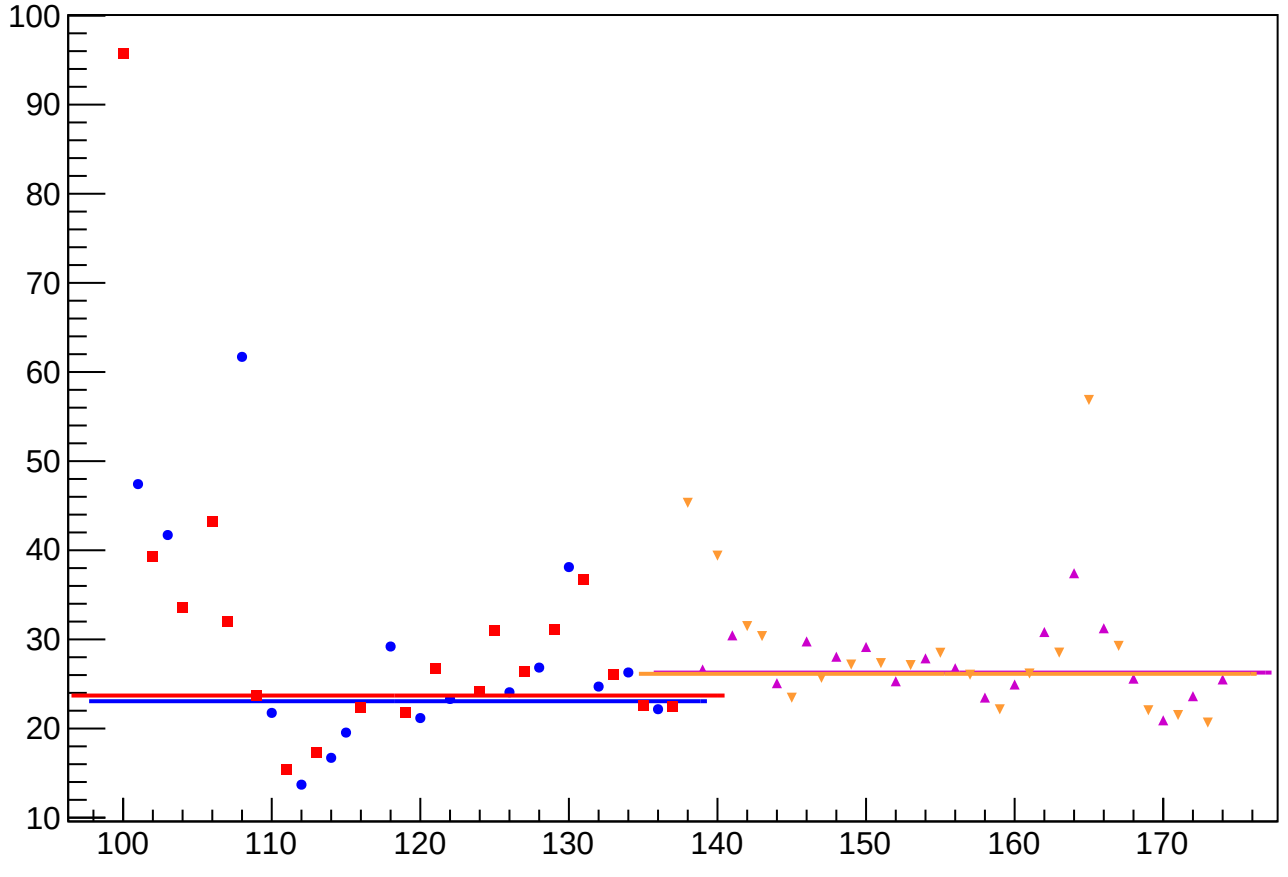
Left: 0.001+/-0.005 χ^2/NDF: 45.9/36

Right: -0.012+/-0.007 χ^2/NDF: 40.9/34

In: -0.012+/-0.006 χ^2/NDF:37.7/33

Out: 0.003+/-0.006 χ^2/NDF:48.1/37

All: -0.004+/-0.004 χ^2/NDF: 89.3/71



Right In: 23.065+/-0.007 χ^2/NDF: 1564493.0/15

Left Out: 26.140+/-0.005 χ^2/NDF:1164922.7/18

Right Out: 23.702+/-0.007 χ^2/NDF: 1088531.8/18

Left In: 26.277+/-0.005 χ^2/NDF:383800.2/17

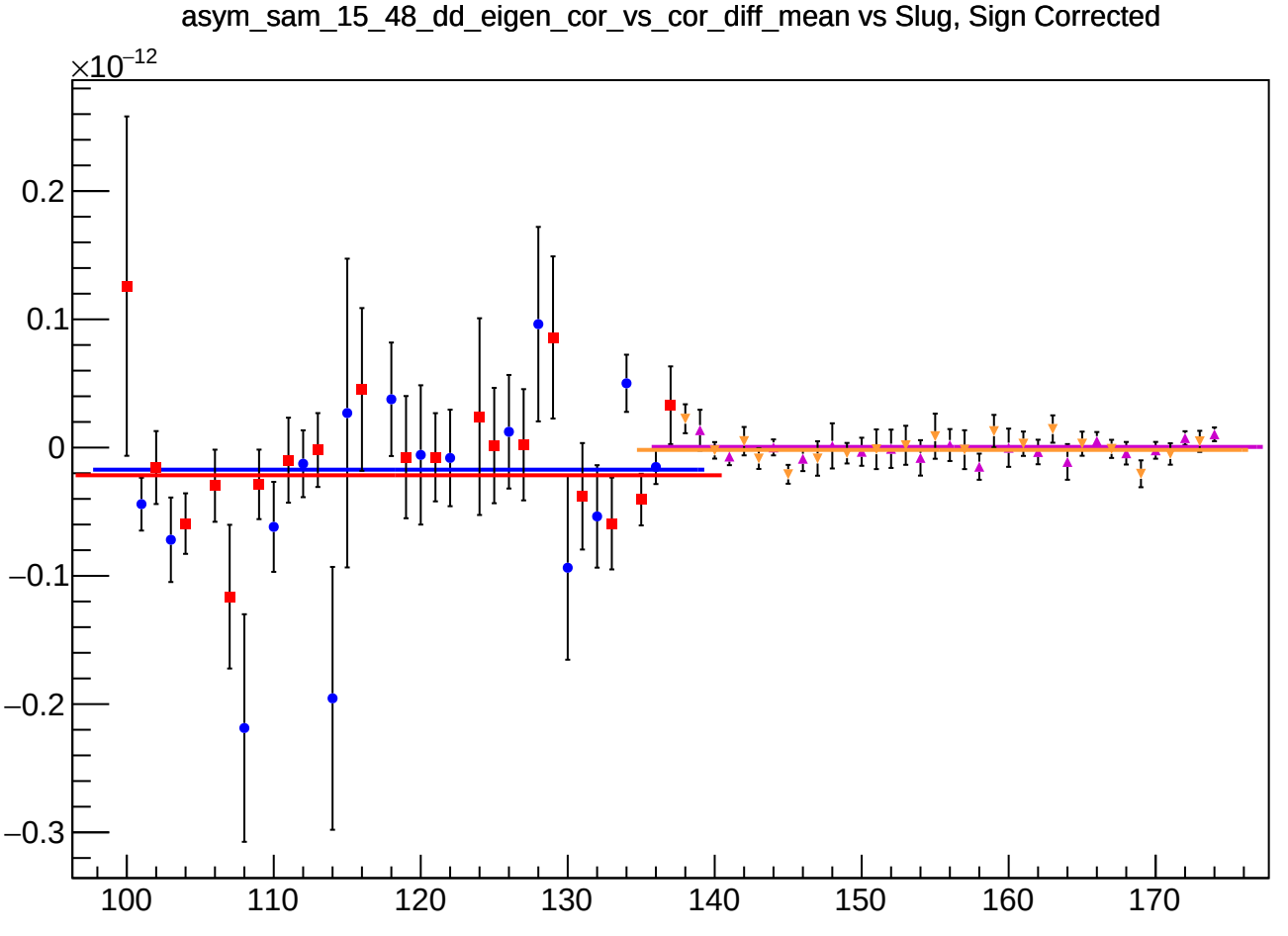
Left: 26.208+/-0.004 χ^2/NDF: 1549099.0/36

Right: 23.387+/-0.005 χ^2/NDF: 2657668.5/34

In: 25.107+/-0.004 χ^2/NDF:2096937.6/33

Out: 25.251+/-0.004 χ^2/NDF:2340935.8/37

All: 25.180+/-0.003 χ^2/NDF: 4438521.4/71



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/18

Left In: 0.000+/-0.000 χ^2/NDF:12.4/17

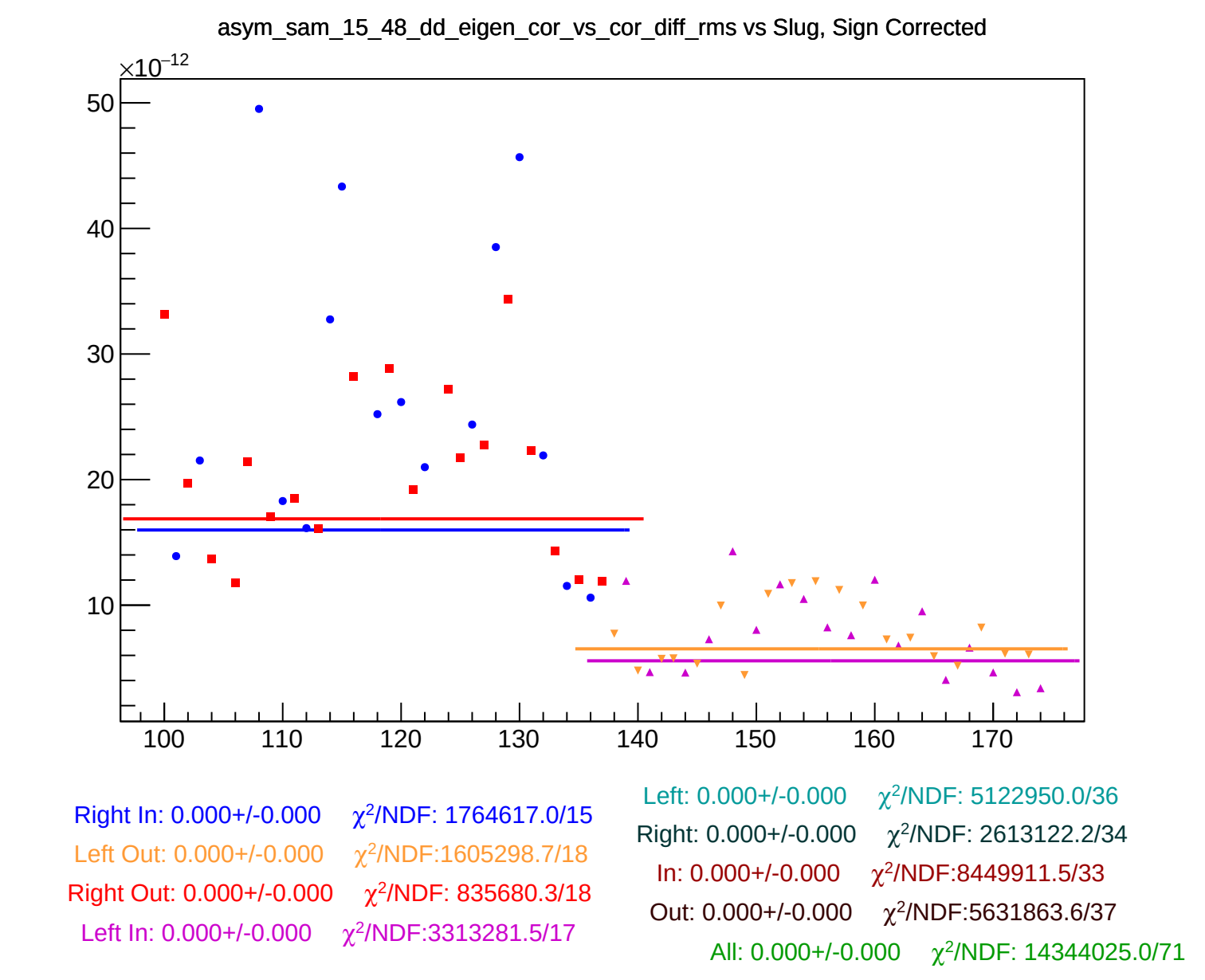
Left: -0.000+/-0.000 χ^2/NDF: 34.4/36

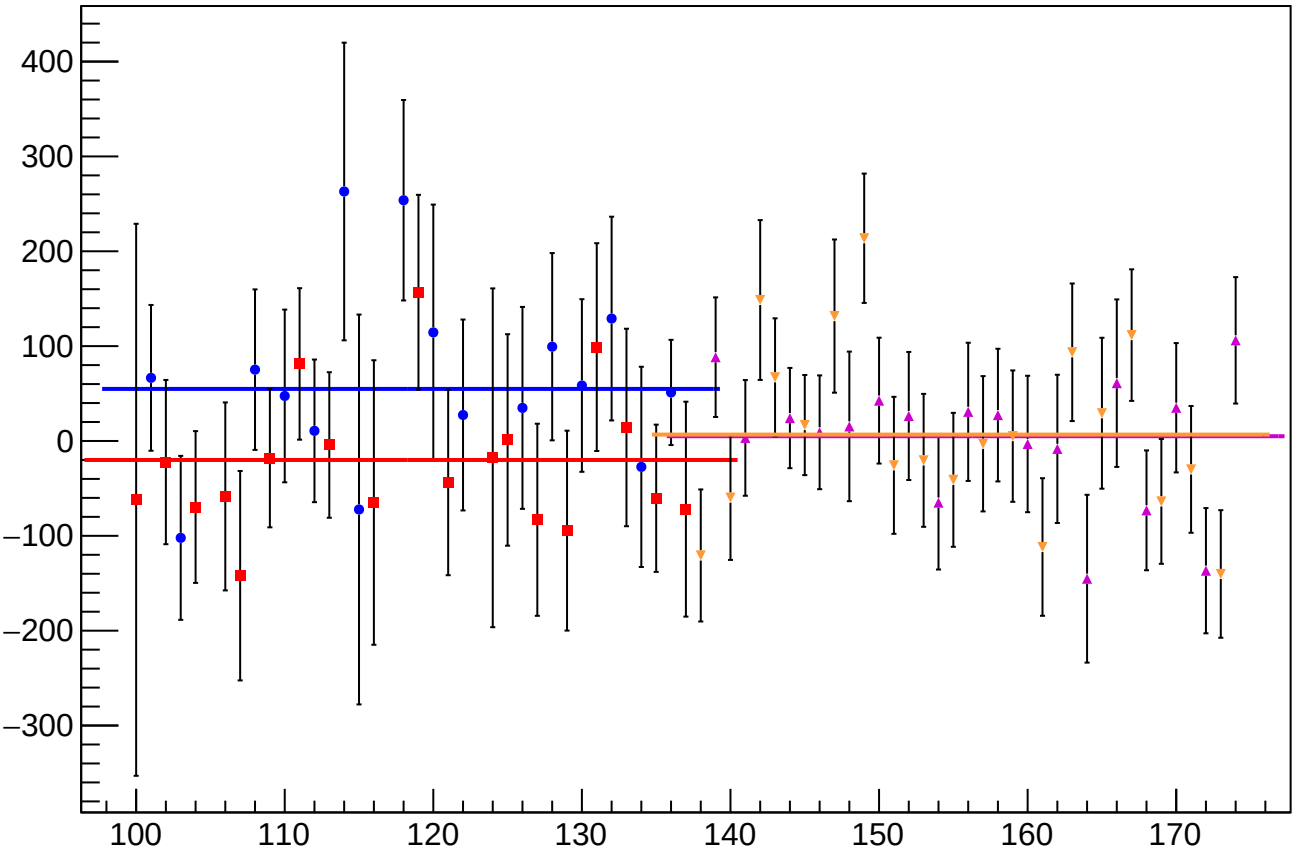
Right: -0.000+/-0.000 χ^2/NDF: 48.0/34

In: -0.000+/-0.000 χ^2/NDF:47.2/33

Out: -0.000+/-0.000 χ^2/NDF:45.2/37

All: -0.000+/-0.000 χ^2/NDF: 93.2/71


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
50
40
30
20
10
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1764617.0/15
Left Out: 0.000+/-0.000 χ²/NDF:1605298.7/18
Right Out: 0.000+/-0.000 χ²/NDF: 835680.3/18
Left In: 0.000+/-0.000 χ²/NDF:3313281.5/17
Left: 0.000+/-0.000 χ²/NDF: 5122950.0/36
Right: 0.000+/-0.000 χ²/NDF: 2613122.2/34
In: 0.000+/-0.000 χ²/NDF:8449911.5/33
Out: 0.000+/-0.000 χ²/NDF:5631863.6/37
All: 0.000+/-0.000 χ²/NDF: 14344025.0/71



Right In: 54.883+/-23.179 χ^2/NDF: 11.0/15

Left Out: 6.737+/-15.835 χ^2/NDF:33.3/18

Right Out: -20.020+/-22.571 χ^2/NDF: 9.2/18

Left In: 5.014+/-16.031 χ^2/NDF:15.5/17

Left: 5.886+/-11.266 χ^2/NDF: 48.8/36

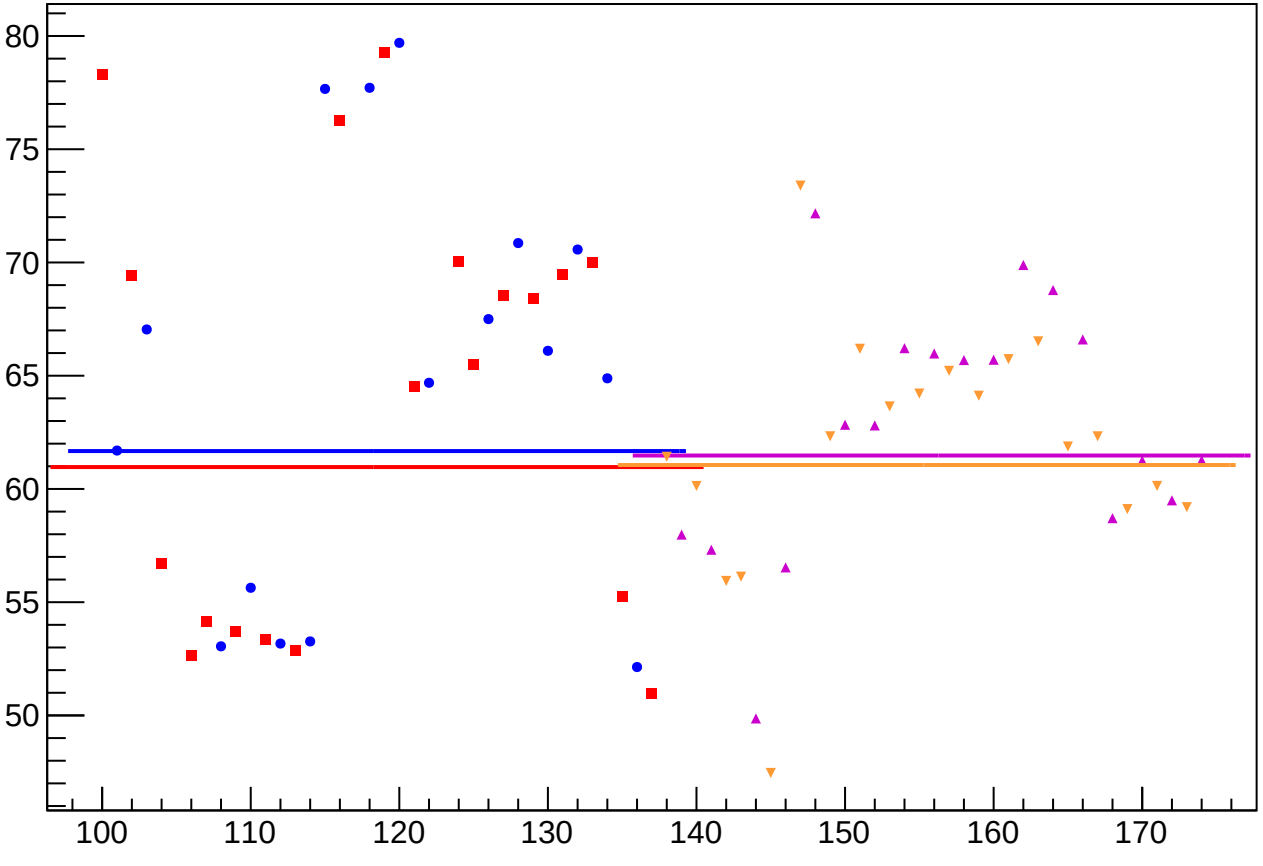
Right: 16.437+/-16.171 χ^2/NDF: 25.6/34

In: 21.150+/-13.185 χ^2/NDF:29.6/33

Out: -2.088+/-12.963 χ^2/NDF:43.5/37

All: 9.334+/-9.244 χ^2/NDF: 74.7/71

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 61.673+/-0.016 χ^2/NDF: 267108.1/15

Left Out: 61.057+/-0.011 χ^2/NDF:252244.0/18

Right Out: 60.967+/-0.016 χ^2/NDF: 284183.4/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

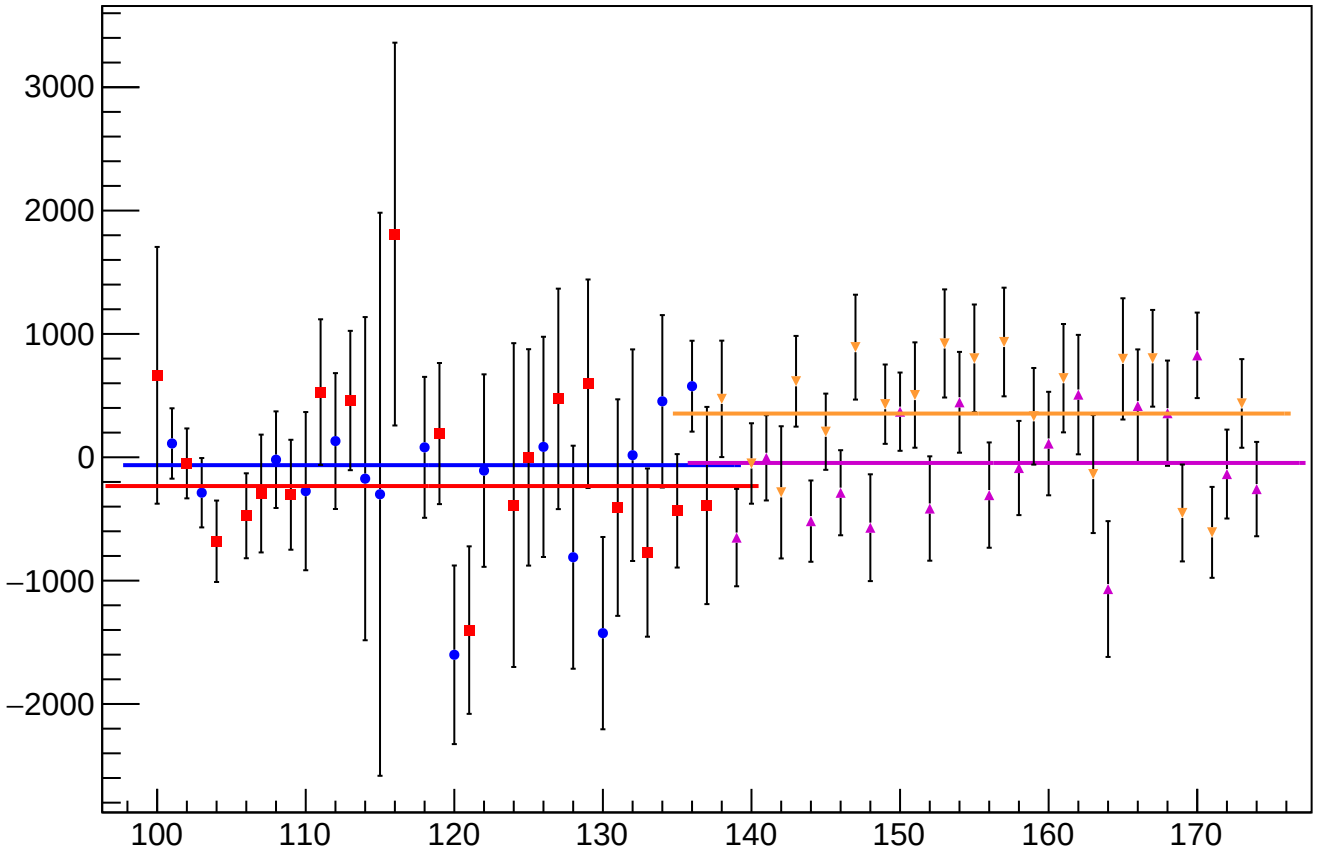
Left: 61.264+/-0.008 χ^2/NDF: 496942.9/36

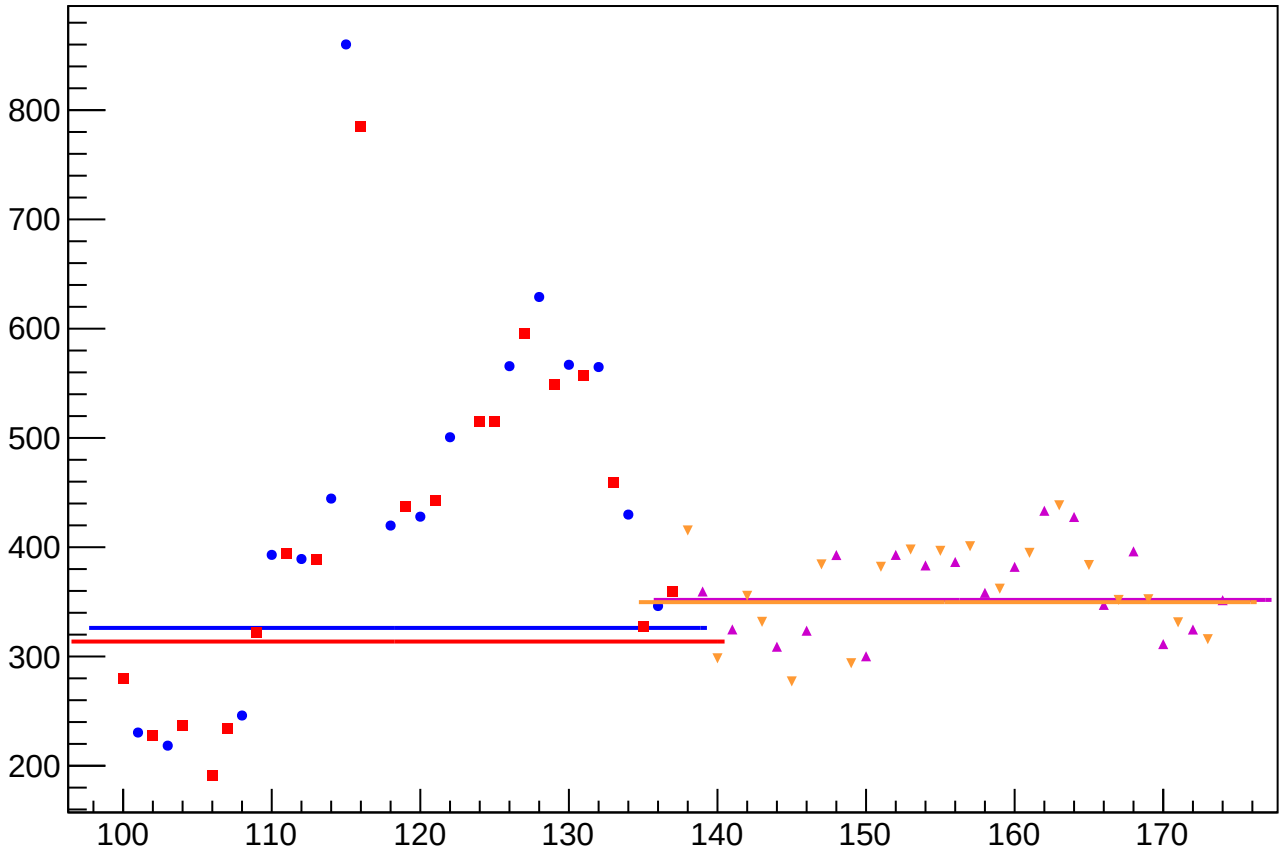
Right: 61.310+/-0.011 χ^2/NDF: 552244.9/34

In: 61.540+/-0.009 χ^2/NDF:511210.4/33

Out: 61.027+/-0.009 χ^2/NDF:536448.8/37

All: 61.279+/-0.007 χ^2/NDF: 1049198.9/71


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: 354.480+/-91.345 χ²/NDF:24.7/18
Right Out: -233.206+/-122.791 χ²/NDF: 14.5/18
Left In: -45.904+/-92.079 χ²/NDF:24.2/17
Left: 155.890+/-64.849 χ²/NDF: 58.4/36
Right: -153.135+/-89.161 χ²/NDF: 28.6/34
In: -51.914+/-75.077 χ²/NDF:37.4/33
Out: 145.116+/-73.290 χ²/NDF:54.0/37
All: 48.974+/-52.444 χ²/NDF: 94.9/71



Right In: 326.147+/-0.092 χ^2/NDF: 1733995.5/15

Left Out: 349.730+/-0.065 χ^2/NDF:487294.7/18

Right Out: 313.672+/-0.087 χ^2/NDF: 1787347.3/18

Left In: 351.782+/-0.065 χ^2/NDF:341242.4/17

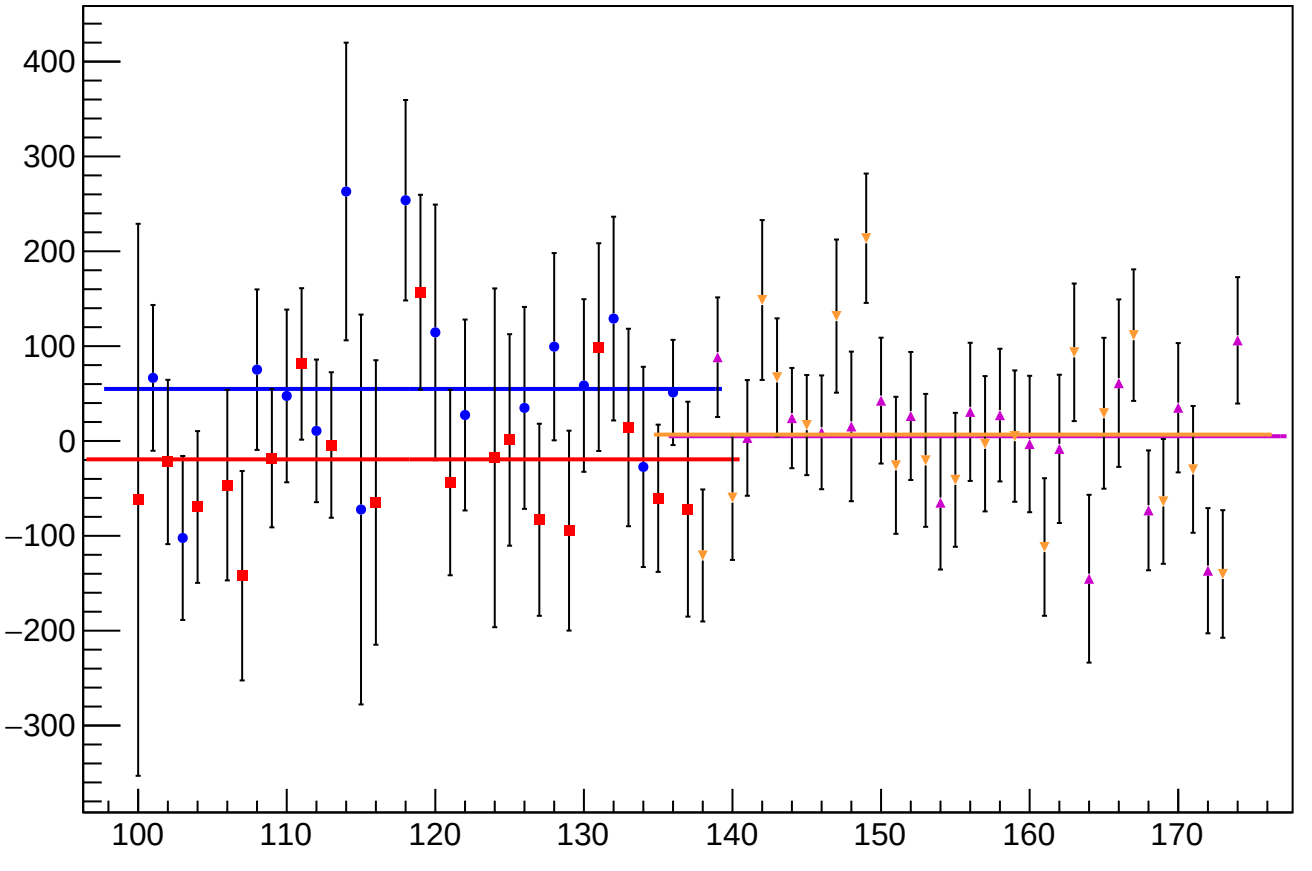
Left: 350.748+/-0.046 χ^2/NDF: 829037.4/36

Right: 319.570+/-0.063 χ^2/NDF: 3531102.5/34

In: 343.189+/-0.053 χ^2/NDF:2127195.6/33

Out: 336.884+/-0.052 χ^2/NDF:2385666.0/37

All: 339.961+/-0.037 χ^2/NDF: 4520083.2/71



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 6.736+/-15.835 χ^2/NDF:33.3/18

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 5.014+/-16.031 χ^2/NDF:15.5/17

Left: 5.885+/-11.266 χ^2/NDF: 48.8/36

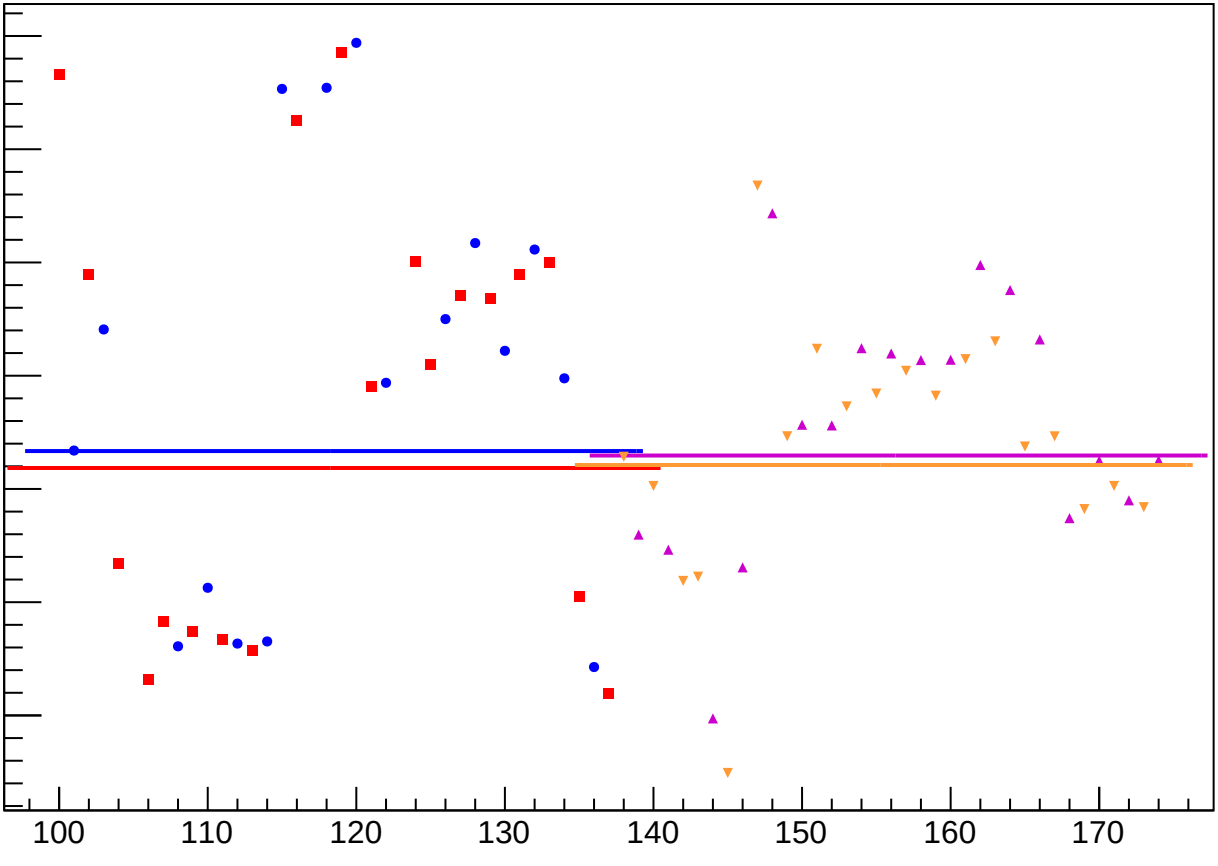
Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 21.148+/-13.185 χ^2/NDF:29.6/33

Out: -1.860+/-12.966 χ^2/NDF:43.4/37

All: 9.451+/-9.245 χ^2/NDF: 74.6/71

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: 61.057+/-0.011 χ^2/NDF:252244.0/18

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

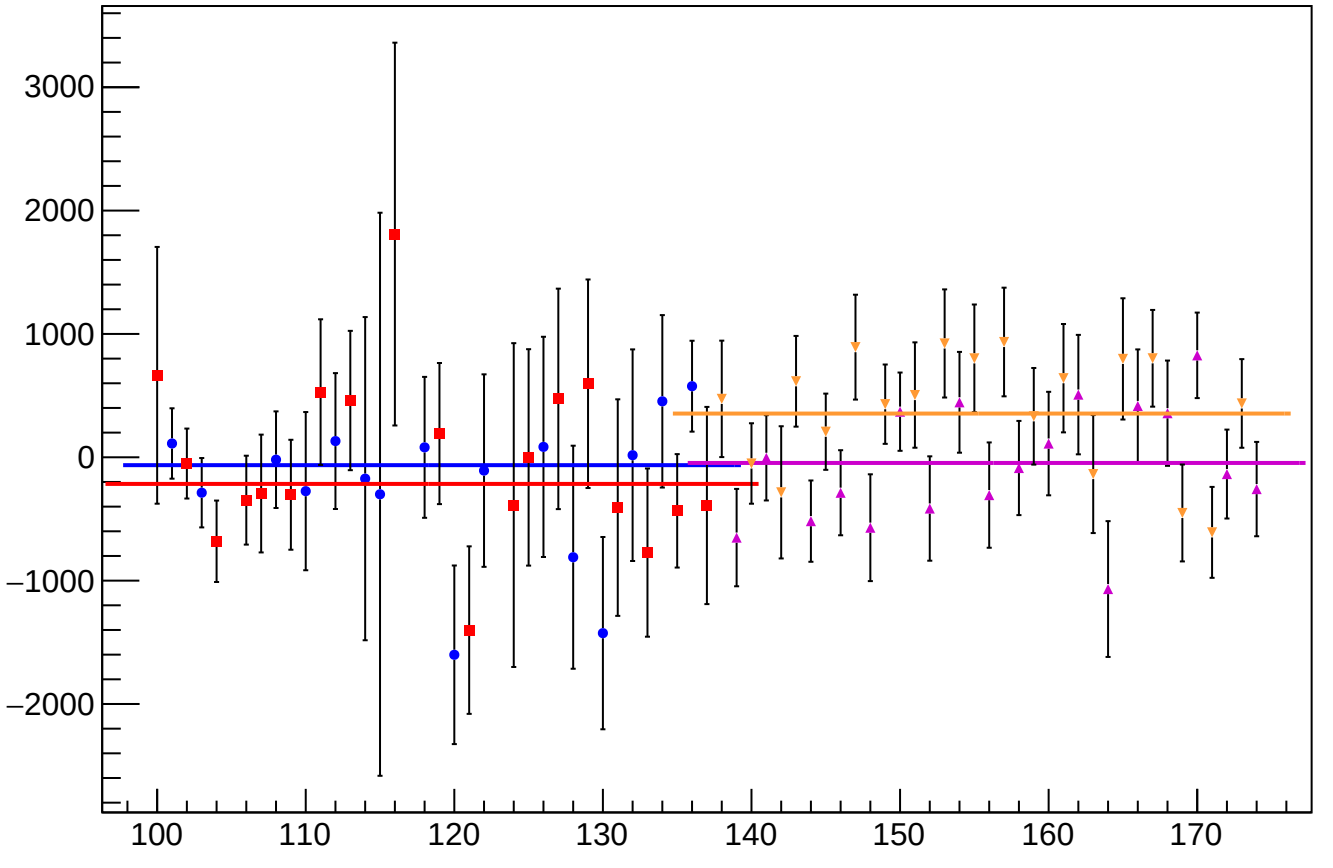
Left: 61.264+/-0.008 χ^2/NDF: 496942.9/36

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

In: 61.540+/-0.009 χ^2/NDF:511210.6/33

Out: 61.014+/-0.009 χ^2/NDF:539868.8/37

All: 61.272+/-0.007 χ^2/NDF: 1052700.3/71



Right In: -63.820+/-129.675 χ^2/NDF: 13.2/15

Left Out: 354.480+/-91.345 χ^2/NDF:24.7/18

Right Out: -215.911+/-123.491 χ^2/NDF: 14.1/18

Left In: -45.903+/-92.079 χ^2/NDF:24.2/17

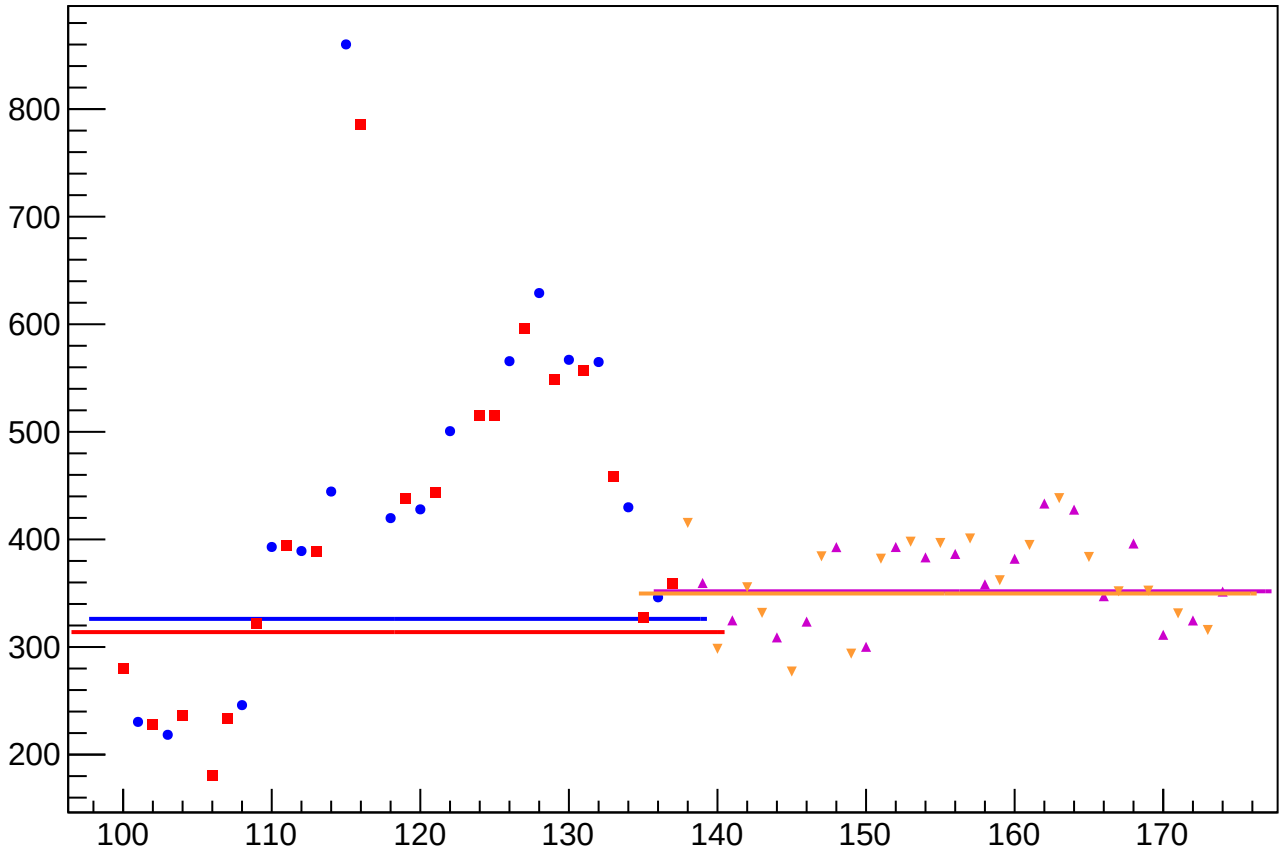
Left: 155.890+/-64.849 χ^2/NDF: 58.4/36

Right: -143.578+/-89.428 χ^2/NDF: 28.0/34

In: -51.909+/-75.077 χ^2/NDF:37.4/33

Out: 152.763+/-73.438 χ^2/NDF:52.6/37

All: 52.686+/-52.498 χ^2/NDF: 93.8/71



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 349.730+/-0.065 χ^2/NDF:487292.8/18

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

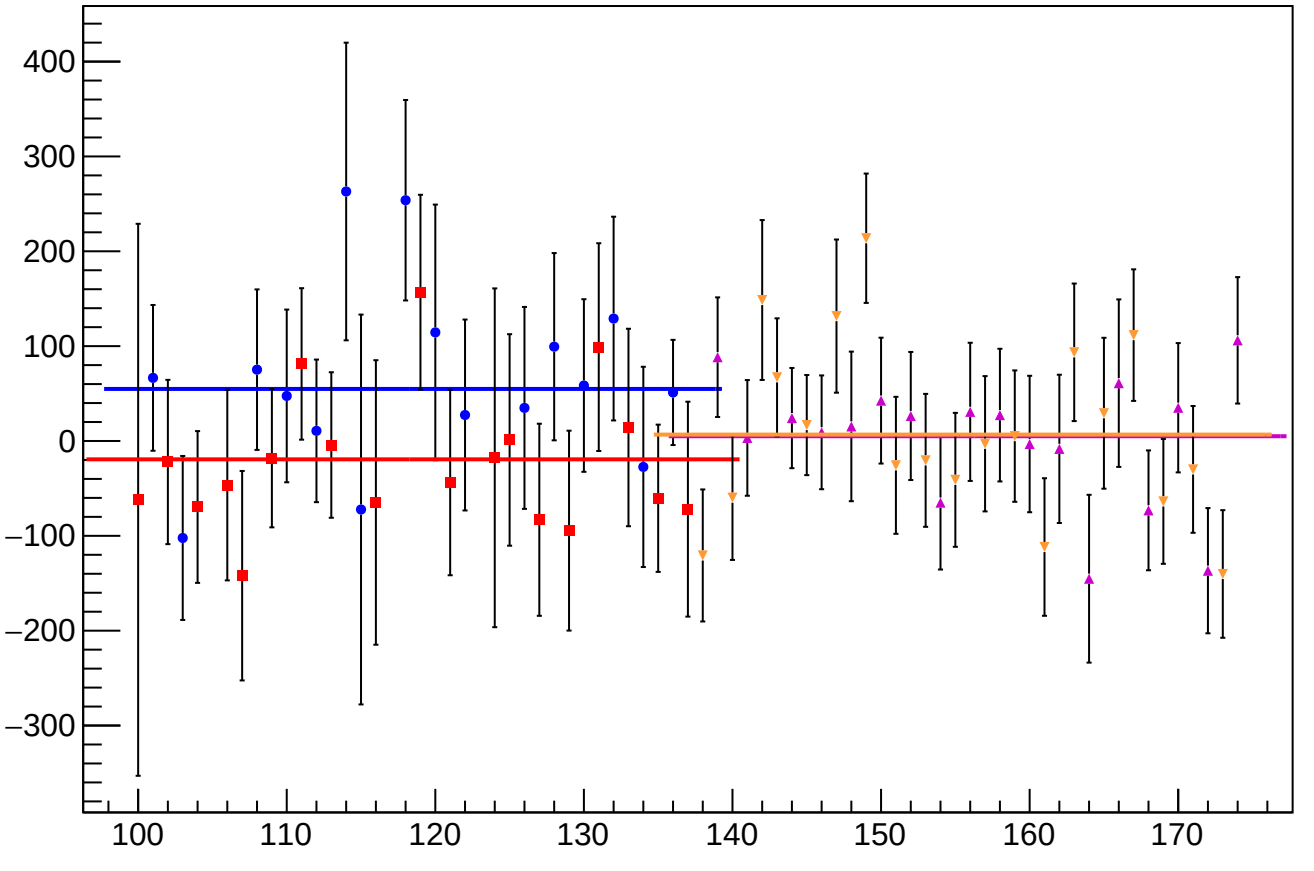
Left: 350.748+/-0.046 χ^2/NDF: 829036.9/36

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.190+/-0.053 χ^2/NDF:2127124.2/33

Out: 337.045+/-0.052 χ^2/NDF:2402134.4/37

All: 340.050+/-0.037 χ^2/NDF: 4536105.5/71



Right In: 54.877+/-23.179 χ^2/NDF: 11.0/15

Left Out: 6.736+/-15.835 χ^2/NDF:33.3/18

Right Out: -19.352+/-22.588 χ^2/NDF: 9.2/18

Left In: 5.014+/-16.031 χ^2/NDF:15.5/17

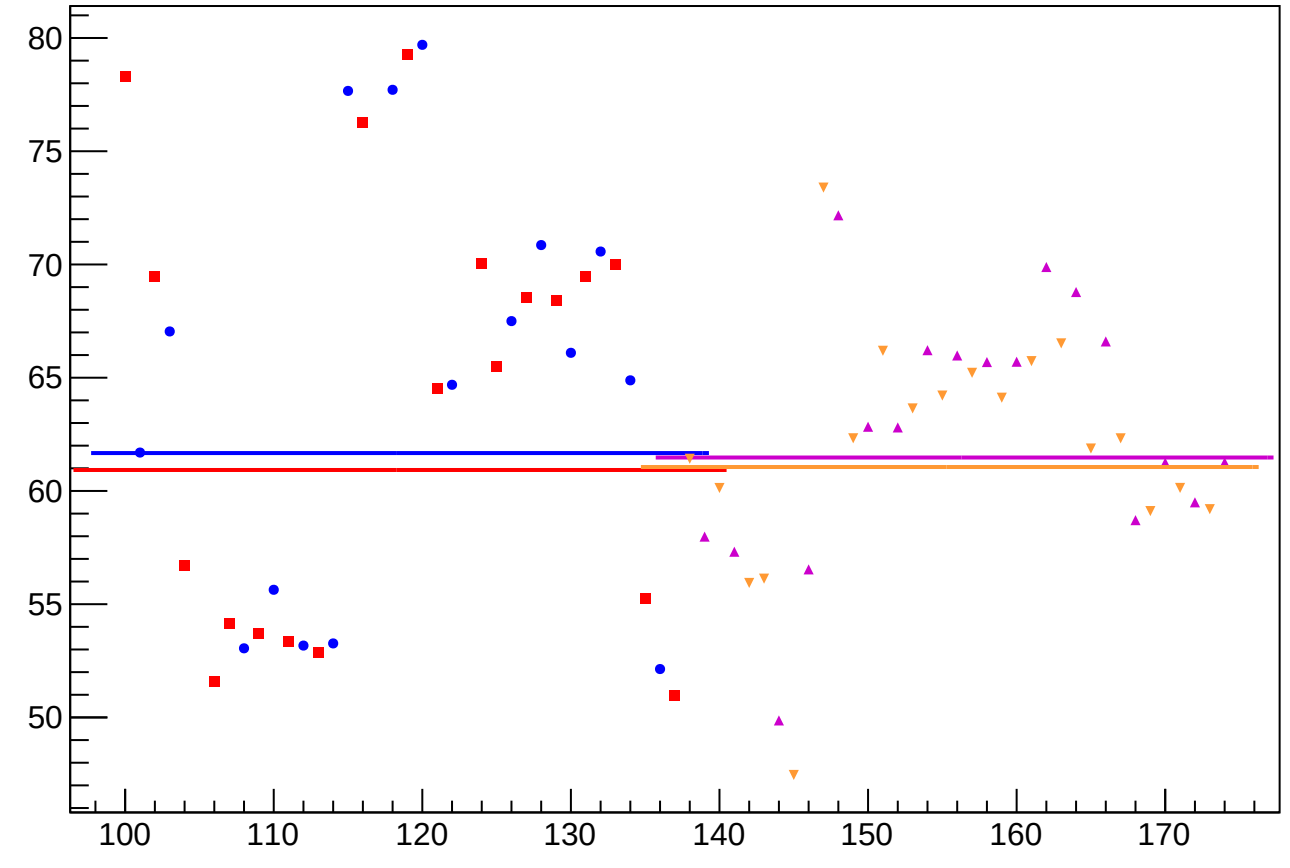
Left: 5.885+/-11.266 χ^2/NDF: 48.8/36

Right: 16.804+/-16.177 χ^2/NDF: 25.4/34

In: 21.148+/-13.185 χ^2/NDF:29.6/33

Out: -1.860+/-12.966 χ^2/NDF:43.4/37

All: 9.451+/-9.245 χ^2/NDF: 74.6/71



Right In: 61.673+/-0.016 χ^2/NDF: 267108.3/15

Left Out: 61.057+/-0.011 χ^2/NDF:252244.0/18

Right Out: 60.926+/-0.016 χ^2/NDF: 287579.6/18

Left In: 61.476+/-0.011 χ^2/NDF:244005.1/17

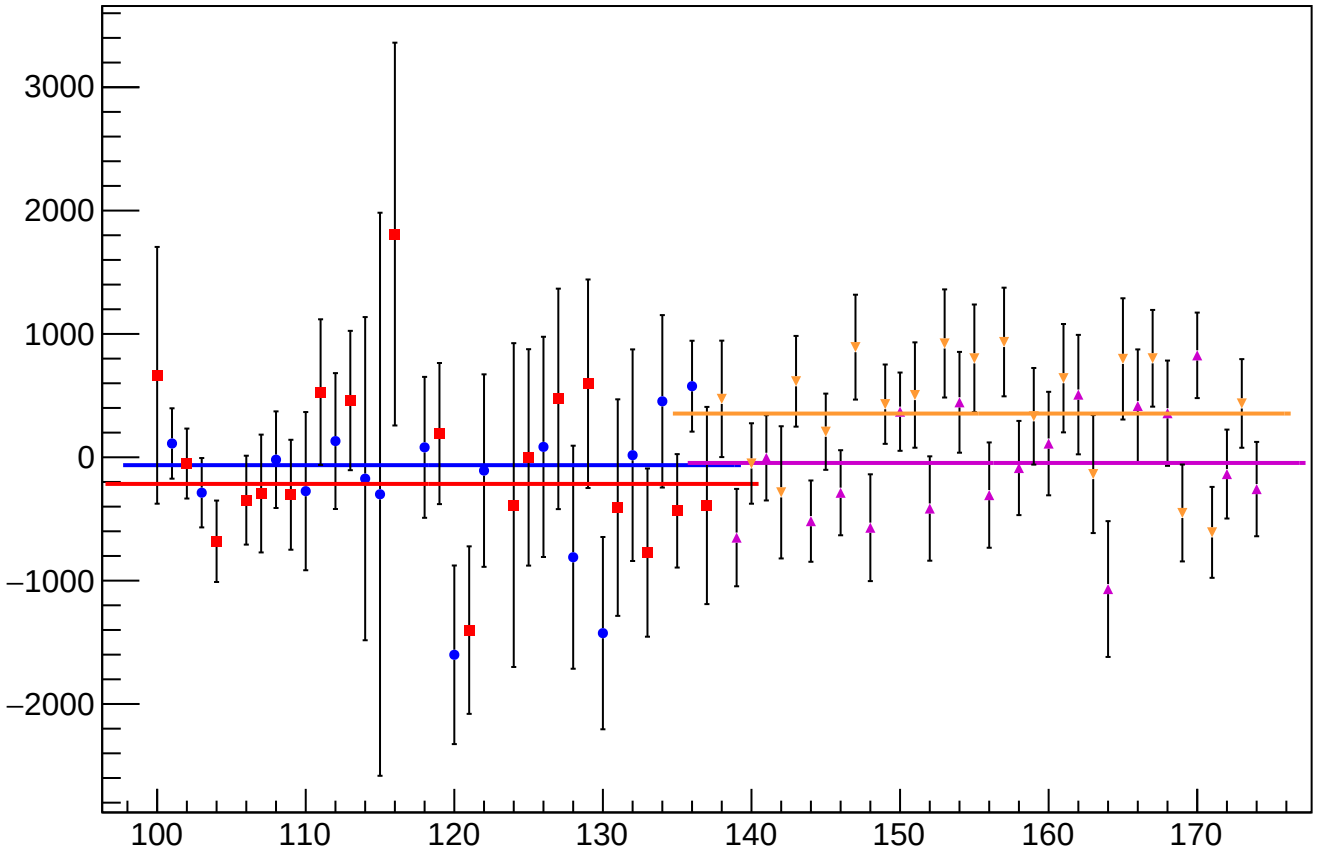
Left: 61.264+/-0.008 χ^2/NDF: 496942.9/36

Right: 61.290+/-0.011 χ^2/NDF: 555754.0/34

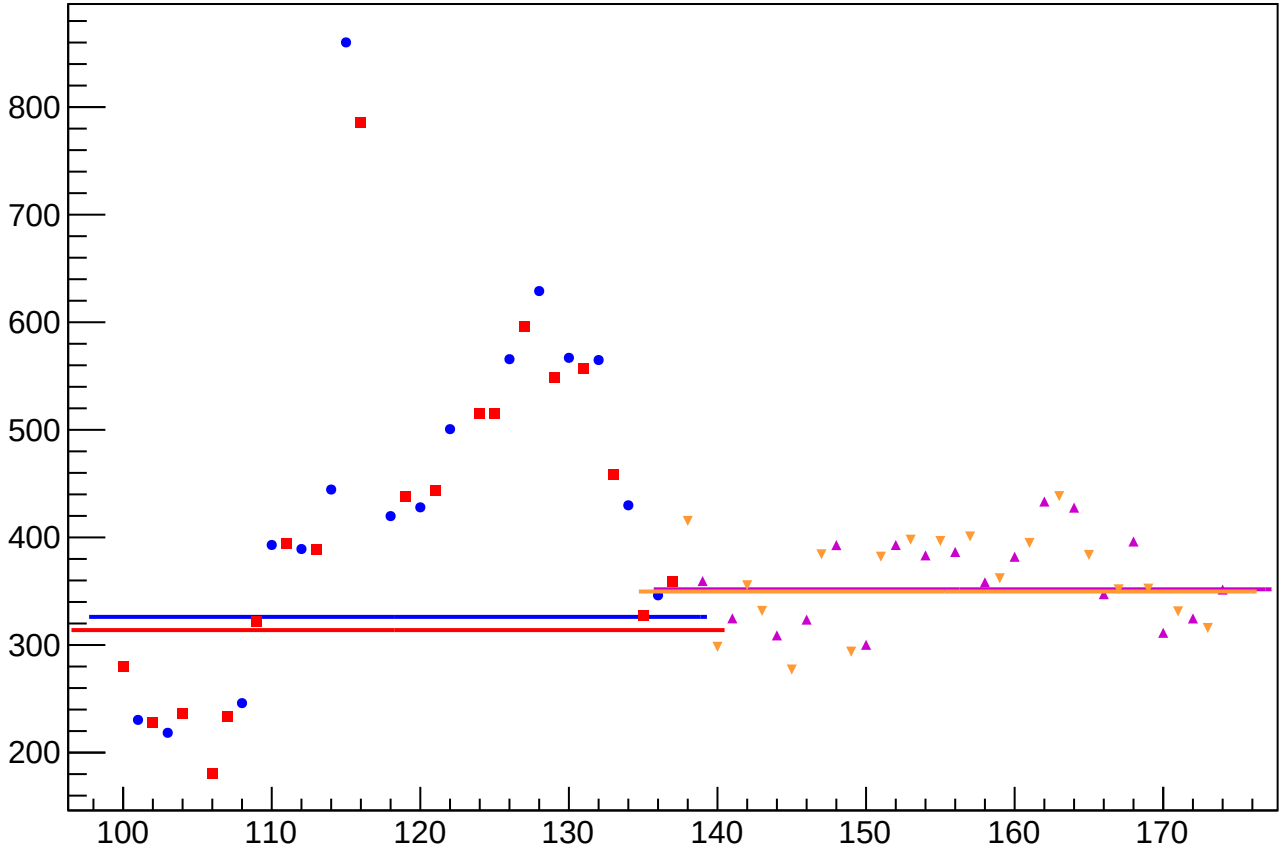
In: 61.540+/-0.009 χ^2/NDF:511210.6/33

Out: 61.014+/-0.009 χ^2/NDF:539868.8/37

All: 61.272+/-0.007 χ^2/NDF: 1052700.3/71


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: 354.480+/-91.345 χ²/NDF:24.7/18
Right Out: -215.911+/-123.491 χ²/NDF: 14.1/18
Left In: -45.903+/-92.079 χ²/NDF:24.2/17
Left: 155.890+/-64.849 χ²/NDF: 58.4/36
Right: -143.578+/-89.428 χ²/NDF: 28.0/34
In: -51.909+/-75.077 χ²/NDF:37.4/33
Out: 152.763+/-73.438 χ²/NDF:52.6/37
All: 52.686+/-52.498 χ²/NDF: 93.8/71

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 326.150+/-0.092 χ^2/NDF: 1733934.7/15

Left Out: 349.730+/-0.065 χ^2/NDF:487292.8/18

Right Out: 313.861+/-0.087 χ^2/NDF: 1805779.4/18

Left In: 351.782+/-0.065 χ^2/NDF:341243.8/17

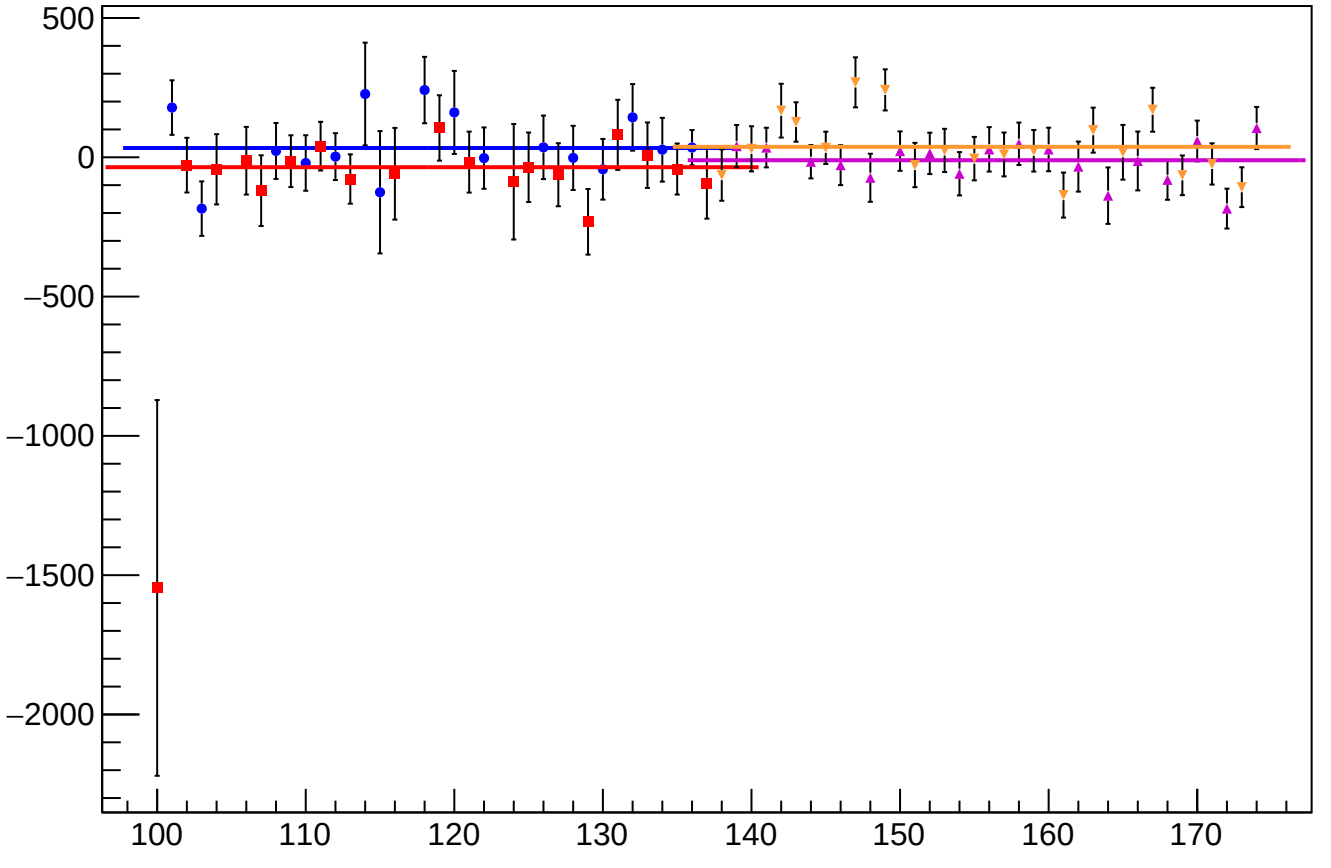
Left: 350.748+/-0.046 χ^2/NDF: 829036.9/36

Right: 319.706+/-0.063 χ^2/NDF: 3549134.1/34

In: 343.190+/-0.053 χ^2/NDF:2127124.2/33

Out: 337.045+/-0.052 χ^2/NDF:2402134.4/37

All: 340.050+/-0.037 χ^2/NDF: 4536105.5/71



Right In: 33.399+/-26.415 χ^2/NDF: 14.5/15

Left Out: 37.495+/-17.797 χ^2/NDF:35.0/18

Right Out: -35.576+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.546+/-18.014 χ^2/NDF:15.0/17

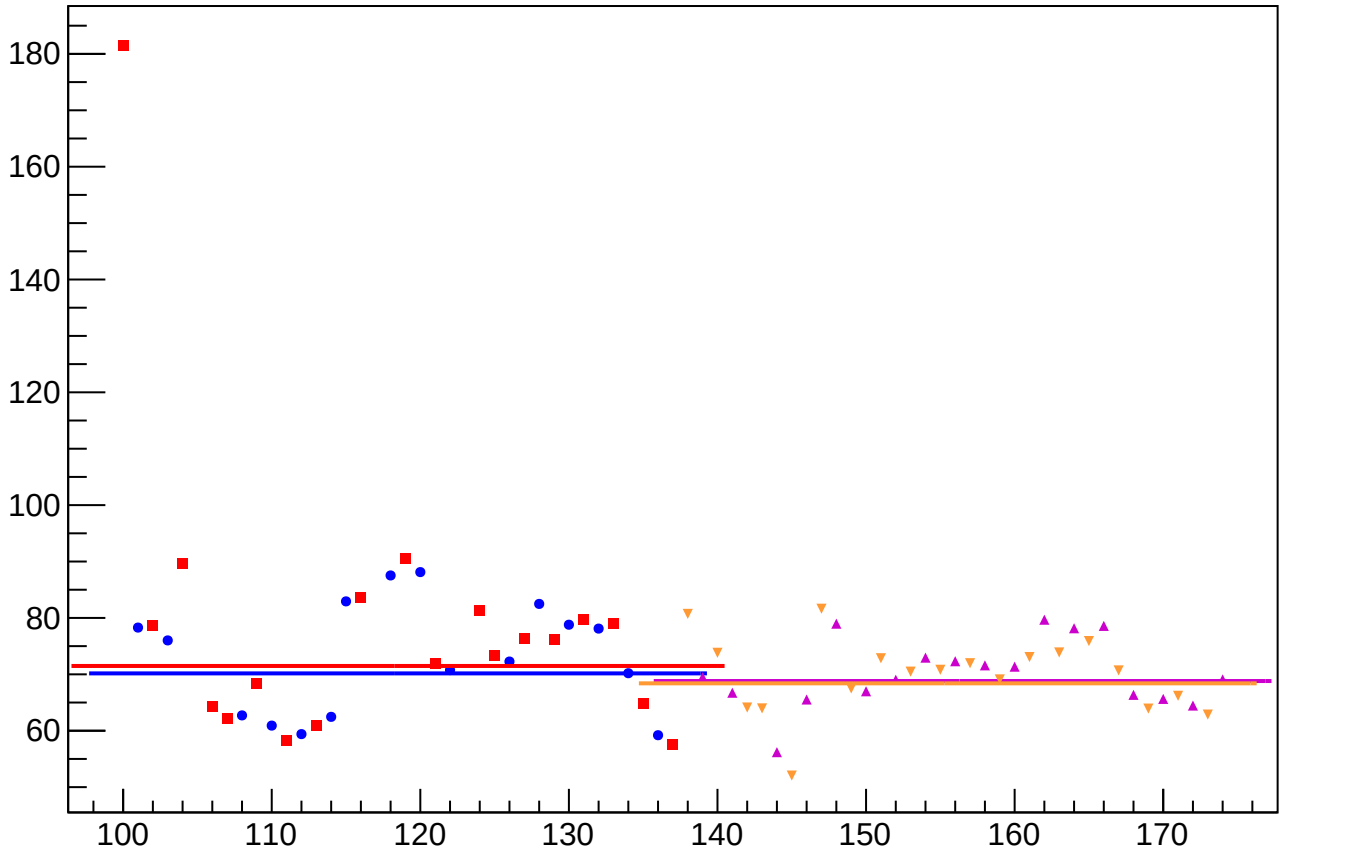
Left: 13.766+/-12.660 χ^2/NDF: 53.5/36

Right: -0.931+/-18.721 χ^2/NDF: 30.0/34

In: 3.404+/-14.883 χ^2/NDF:31.4/33

Out: 14.826+/-14.780 χ^2/NDF:52.3/37

All: 9.154+/-10.487 χ^2/NDF: 84.0/71



Right In: 70.167+/-0.019 χ^2/NDF: 269249.9/15

Left Out: 68.402+/-0.013 χ^2/NDF:324340.3/18

Right Out: 71.483+/-0.019 χ^2/NDF: 325715.0/18

Left In: 68.813+/-0.013 χ^2/NDF:215200.1/17

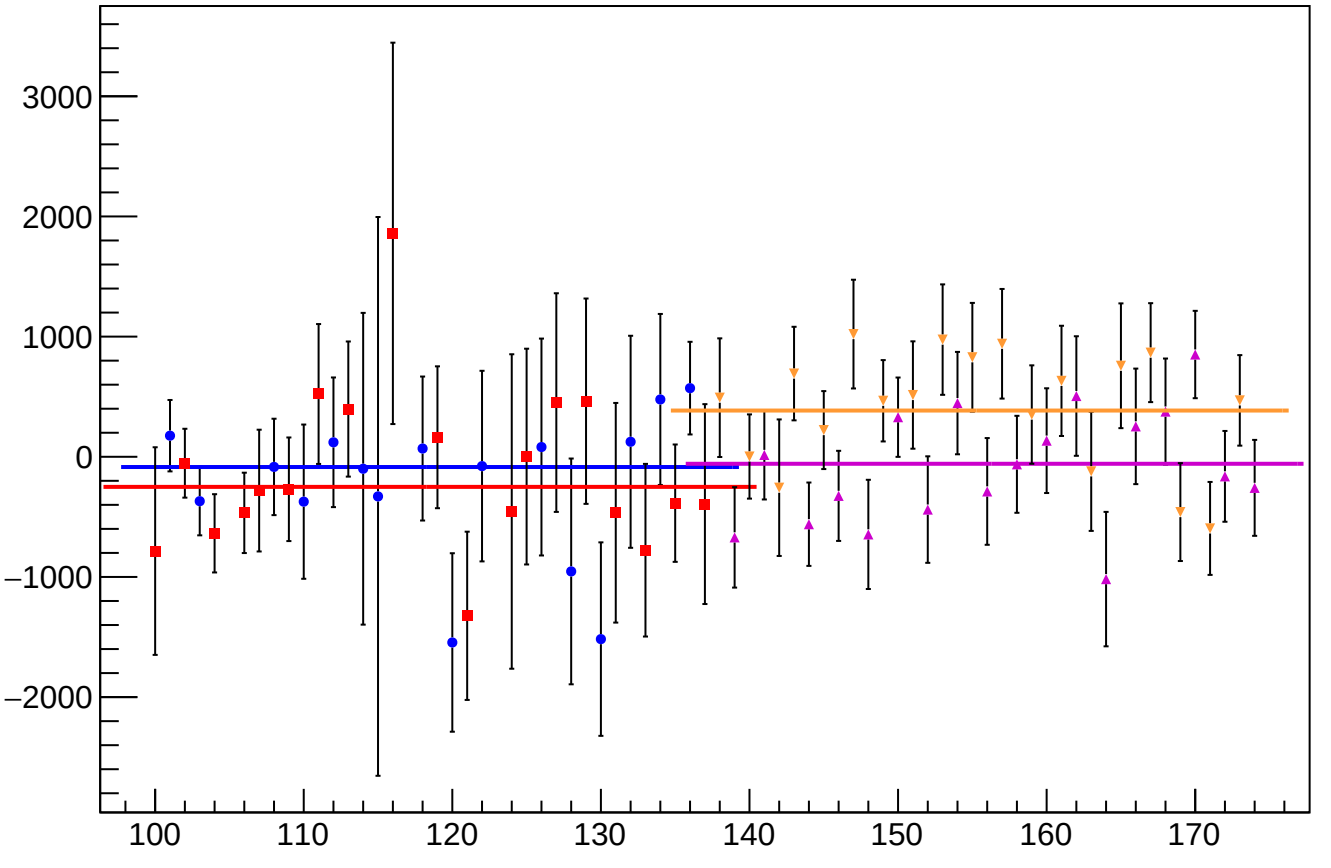
Left: 68.605+/-0.009 χ^2/NDF: 540067.4/36

Right: 70.822+/-0.013 χ^2/NDF: 597434.8/34

In: 69.243+/-0.011 χ^2/NDF:488038.2/33

Out: 69.358+/-0.010 χ^2/NDF:668653.1/37

All: 69.301+/-0.007 χ^2/NDF: 1156751.3/71



Right In: -85.184+/-132.877 χ^2/NDF: 13.7/15

Left Out: 384.824+/-95.936 χ^2/NDF:23.6/18

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -58.197+/-96.638 χ^2/NDF:22.7/17

Left: 164.928+/-68.084 χ^2/NDF: 56.9/36

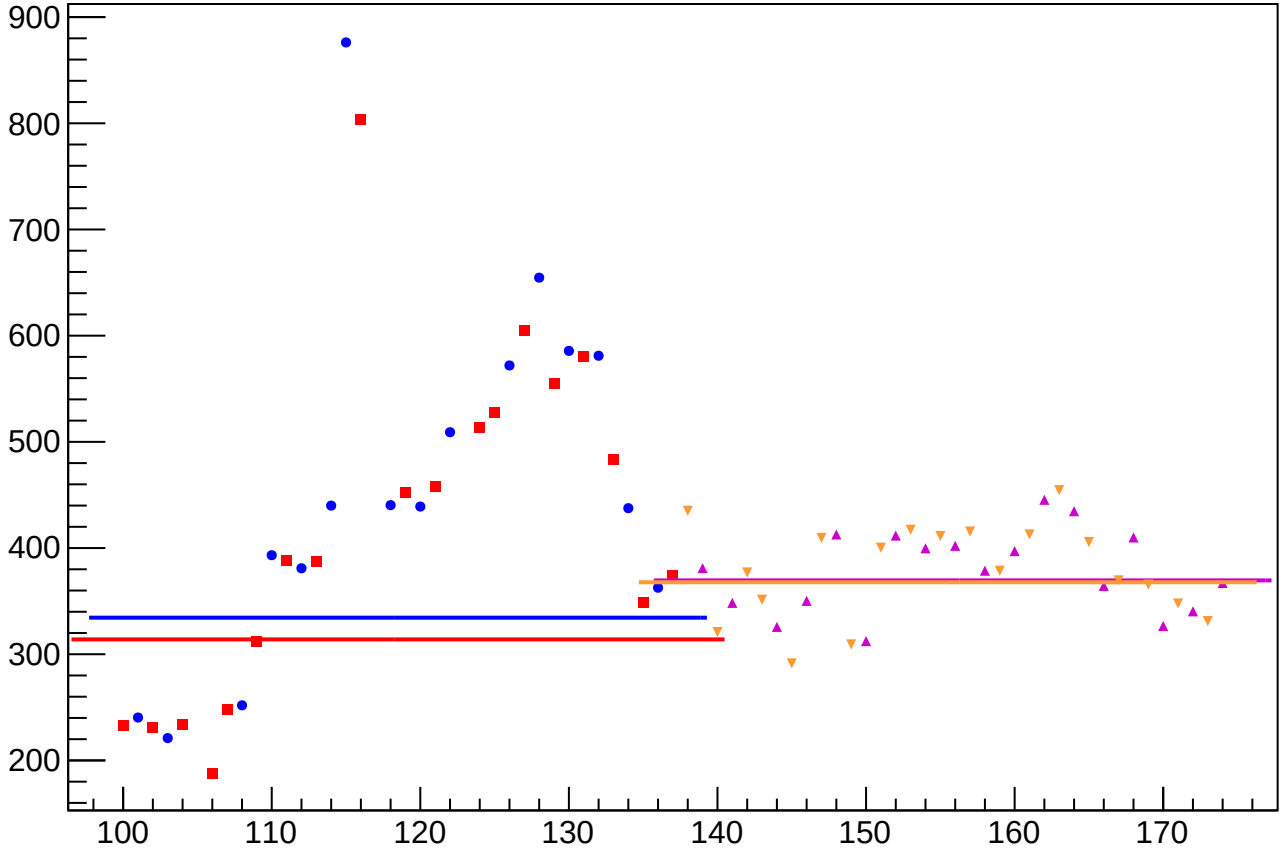
Right: -173.980+/-90.383 χ^2/NDF: 27.0/34

In: -67.533+/-78.155 χ^2/NDF:36.4/33

Out: 145.270+/-75.717 χ^2/NDF:52.6/37

All: 42.238+/-54.381 χ^2/NDF: 92.8/71

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730610.2/15

Left Out: 367.769+/-0.068 χ^2/NDF:455942.1/18

Right Out: 313.971+/-0.087 χ^2/NDF: 1904605.9/18

Left In: 369.542+/-0.068 χ^2/NDF:301902.1/17

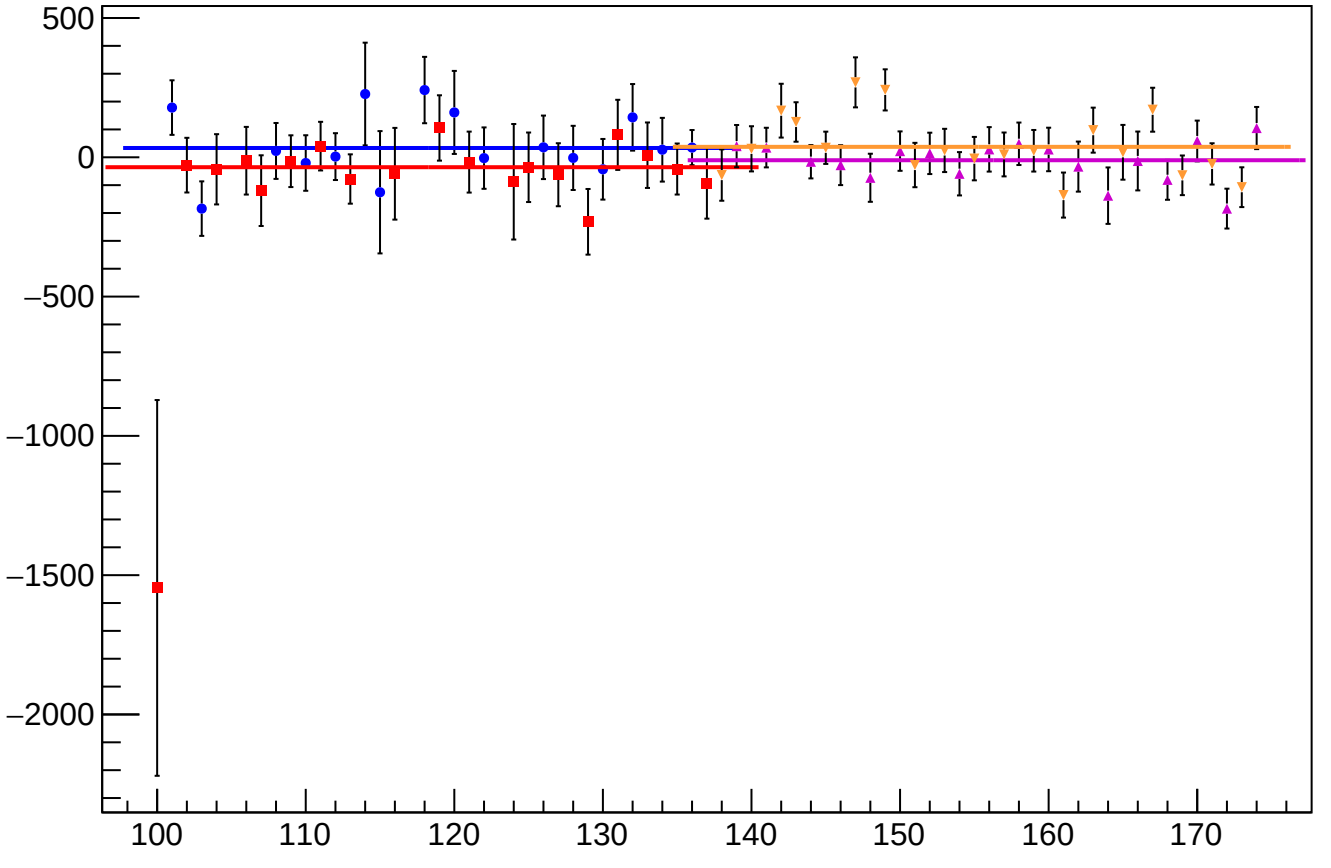
Left: 368.649+/-0.048 χ^2/NDF: 758183.3/36

Right: 323.437+/-0.064 χ^2/NDF: 3660694.2/34

In: 357.396+/-0.055 χ^2/NDF:2123848.4/33

Out: 347.482+/-0.054 χ^2/NDF:2597712.1/37

All: 352.282+/-0.038 χ^2/NDF: 4738159.2/71



Right In: 33.397+/-26.415 χ^2/NDF: 14.5/15

Left Out: 37.494+/-17.797 χ^2/NDF:35.0/18

Right Out: -35.577+/-26.536 χ^2/NDF: 12.1/18

Left In: -10.546+/-18.014 χ^2/NDF:15.0/17

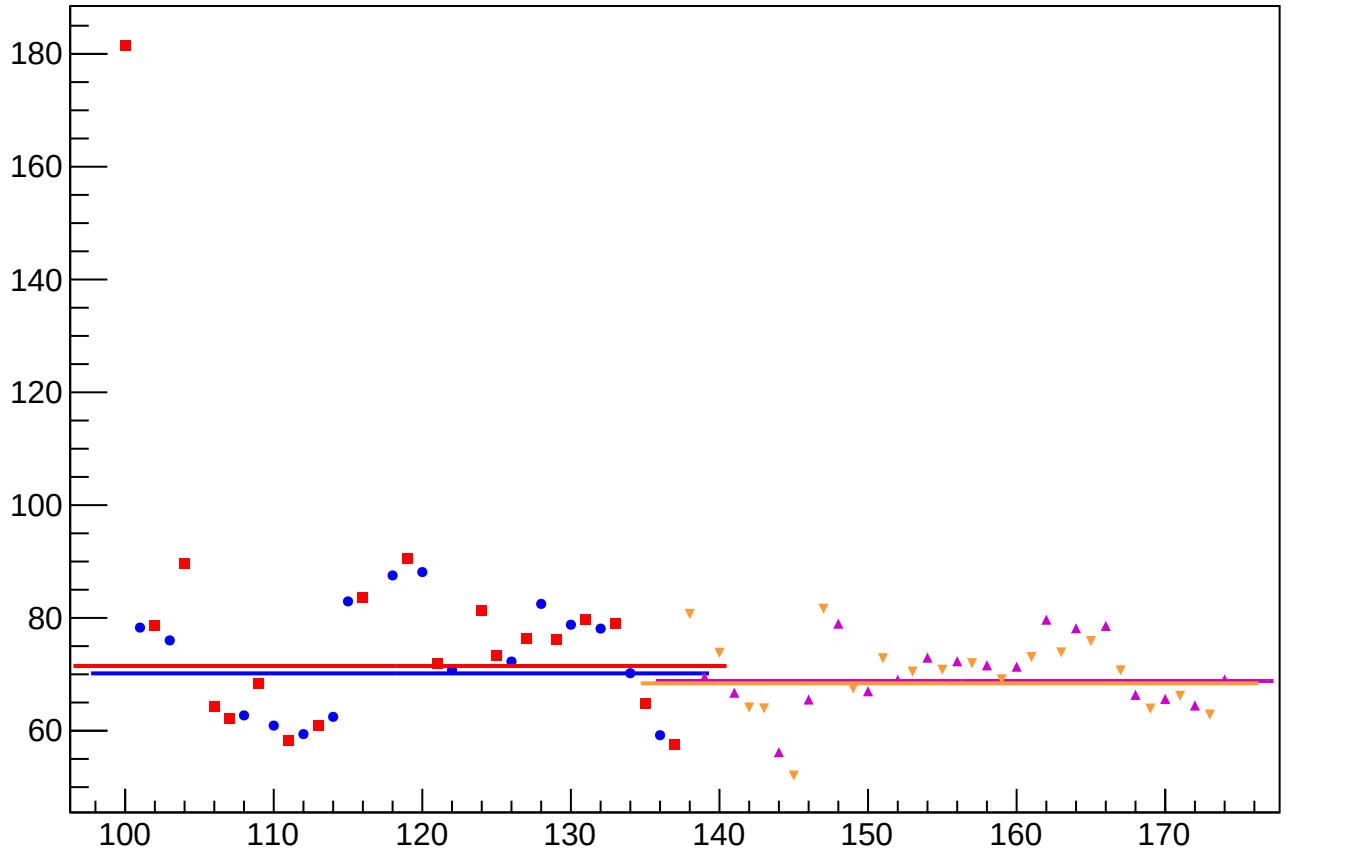
Left: 13.766+/-12.660 χ^2/NDF: 53.5/36

Right: -0.932+/-18.721 χ^2/NDF: 30.0/34

In: 3.404+/-14.883 χ^2/NDF:31.4/33

Out: 14.825+/-14.780 χ^2/NDF:52.3/37

All: 9.154+/-10.487 χ^2/NDF: 84.0/71



Right In: 70.167+/-0.019 χ^2/NDF: 269253.0/15

Left Out: 68.402+/-0.013 χ^2/NDF:324346.7/18

Right Out: 71.483+/-0.019 χ^2/NDF: 325721.5/18

Left In: 68.813+/-0.013 χ^2/NDF:215202.3/17

Left: 68.605+/-0.009 χ^2/NDF: 540076.0/36

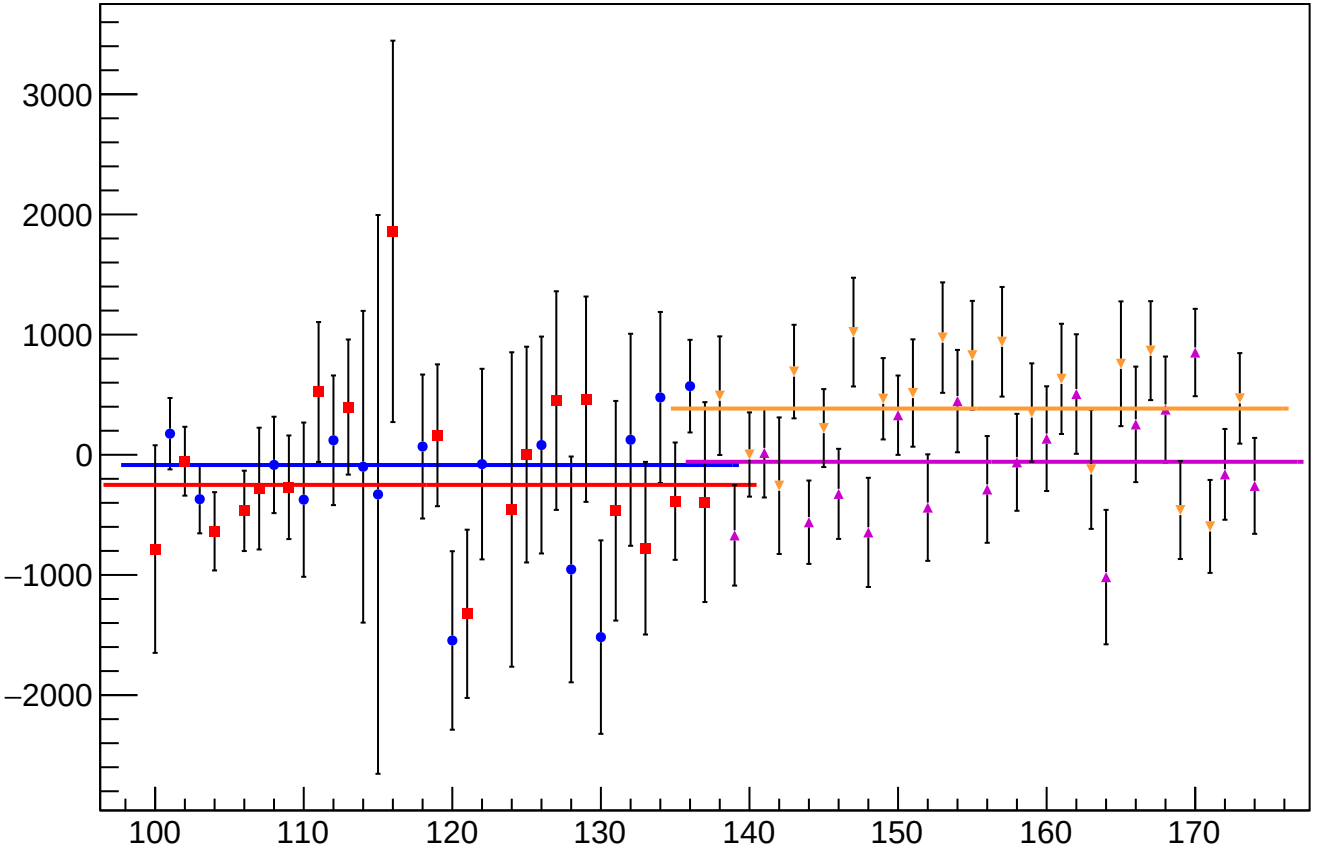
Right: 70.822+/-0.013 χ^2/NDF: 597444.3/34

In: 69.243+/-0.011 χ^2/NDF:488044.2/33

Out: 69.358+/-0.010 χ^2/NDF:668667.3/37

All: 69.301+/-0.007 χ^2/NDF: 1156771.6/71

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -85.185+/-132.877 χ^2/NDF: 13.7/15

Left Out: 384.823+/-95.936 χ^2/NDF:23.6/18

Right Out: -250.440+/-123.302 χ^2/NDF: 12.5/18

Left In: -58.197+/-96.638 χ^2/NDF:22.7/17

Left: 164.928+/-68.084 χ^2/NDF: 56.9/36

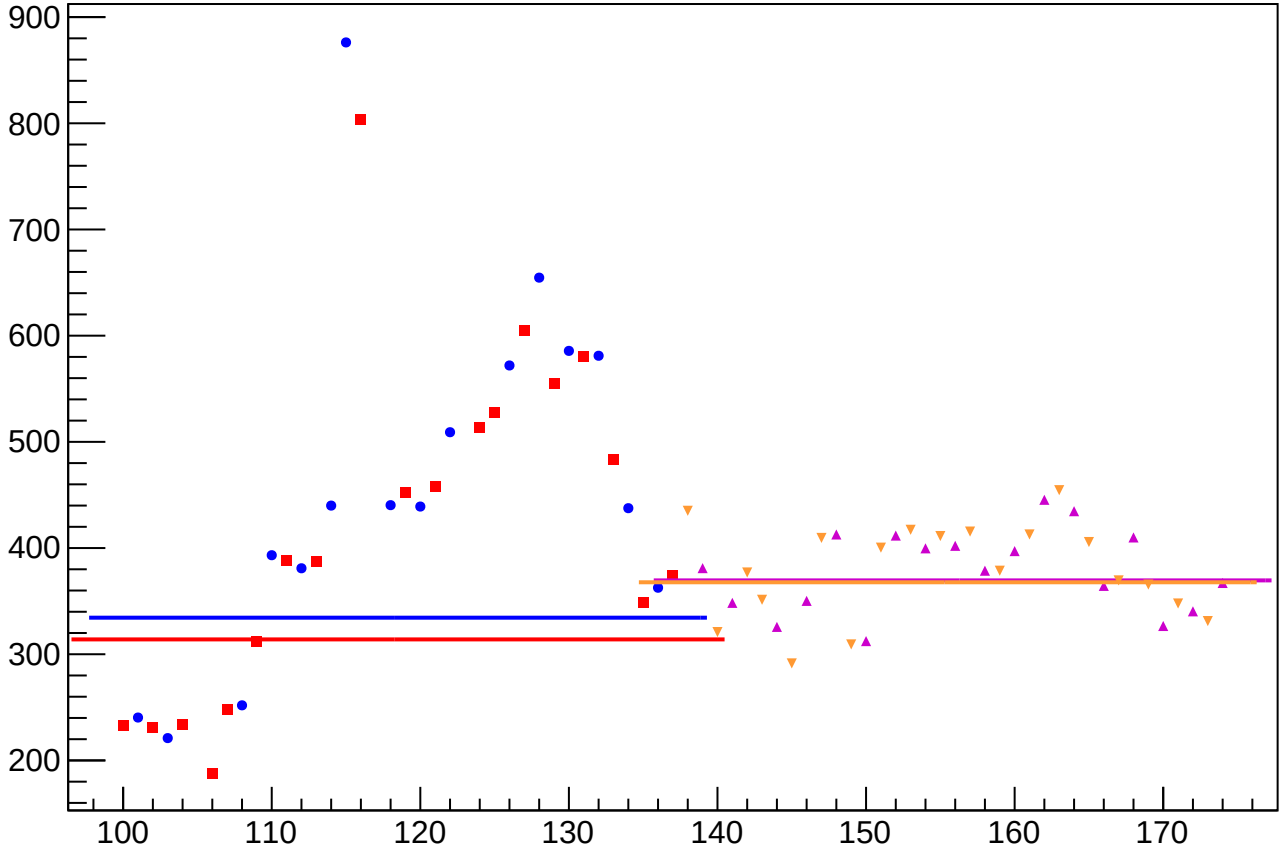
Right: -173.981+/-90.383 χ^2/NDF: 27.0/34

In: -67.533+/-78.155 χ^2/NDF:36.4/33

Out: 145.269+/-75.717 χ^2/NDF:52.6/37

All: 42.238+/-54.381 χ^2/NDF: 92.8/71

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 334.431+/-0.094 χ^2/NDF: 1730609.3/15

Left Out: 367.769+/-0.068 χ^2/NDF:455946.2/18

Right Out: 313.971+/-0.087 χ^2/NDF: 1904604.3/18

Left In: 369.542+/-0.068 χ^2/NDF:301902.5/17

Left: 368.649+/-0.048 χ^2/NDF: 758187.8/36

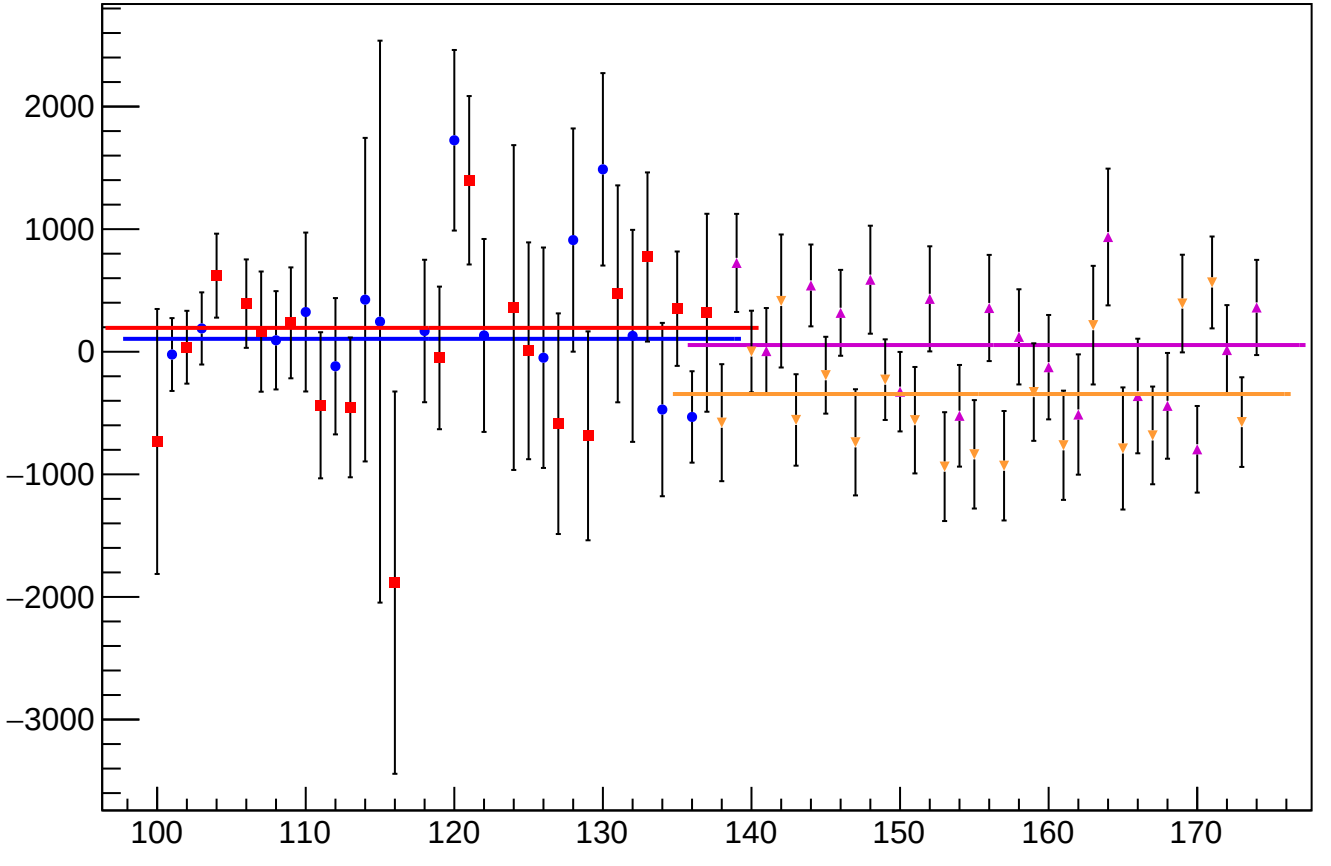
Right: 323.437+/-0.064 χ^2/NDF: 3660692.3/34

In: 357.396+/-0.055 χ^2/NDF:2123845.8/33

Out: 347.482+/-0.054 χ^2/NDF:2597712.6/37

All: 352.282+/-0.038 χ^2/NDF: 4738157.5/71

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 105.390+/-133.046 χ^2/NDF: 13.0/15

Left Out: -344.681+/-92.794 χ^2/NDF:23.2/18

Right Out: 194.712+/-126.198 χ^2/NDF: 13.1/18

Left In: 54.778+/-93.537 χ^2/NDF:24.1/17

Left: -146.545+/-65.876 χ^2/NDF: 56.6/36

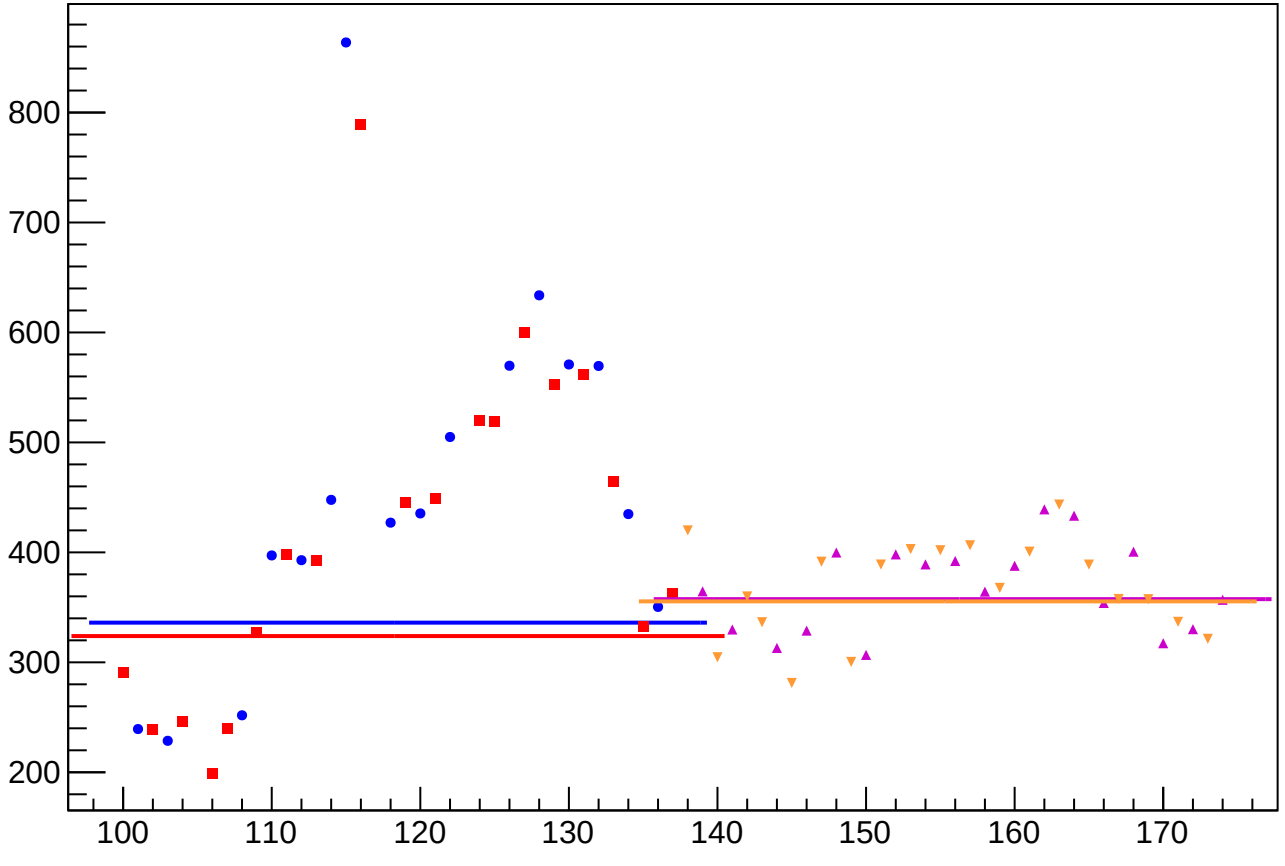
Right: 152.409+/-91.561 χ^2/NDF: 26.3/34

In: 71.519+/-76.519 χ^2/NDF:37.2/33

Out: -155.392+/-74.759 χ^2/NDF:48.2/37

All: -44.576+/-53.474 χ^2/NDF: 89.9/71

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 336.092+/-0.094 χ^2/NDF: 1618997.2/15

Left Out: 355.432+/-0.066 χ^2/NDF:473617.1/18

Right Out: 323.885+/-0.089 χ^2/NDF: 1665420.8/18

Left In: 357.460+/-0.066 χ^2/NDF:331754.5/17

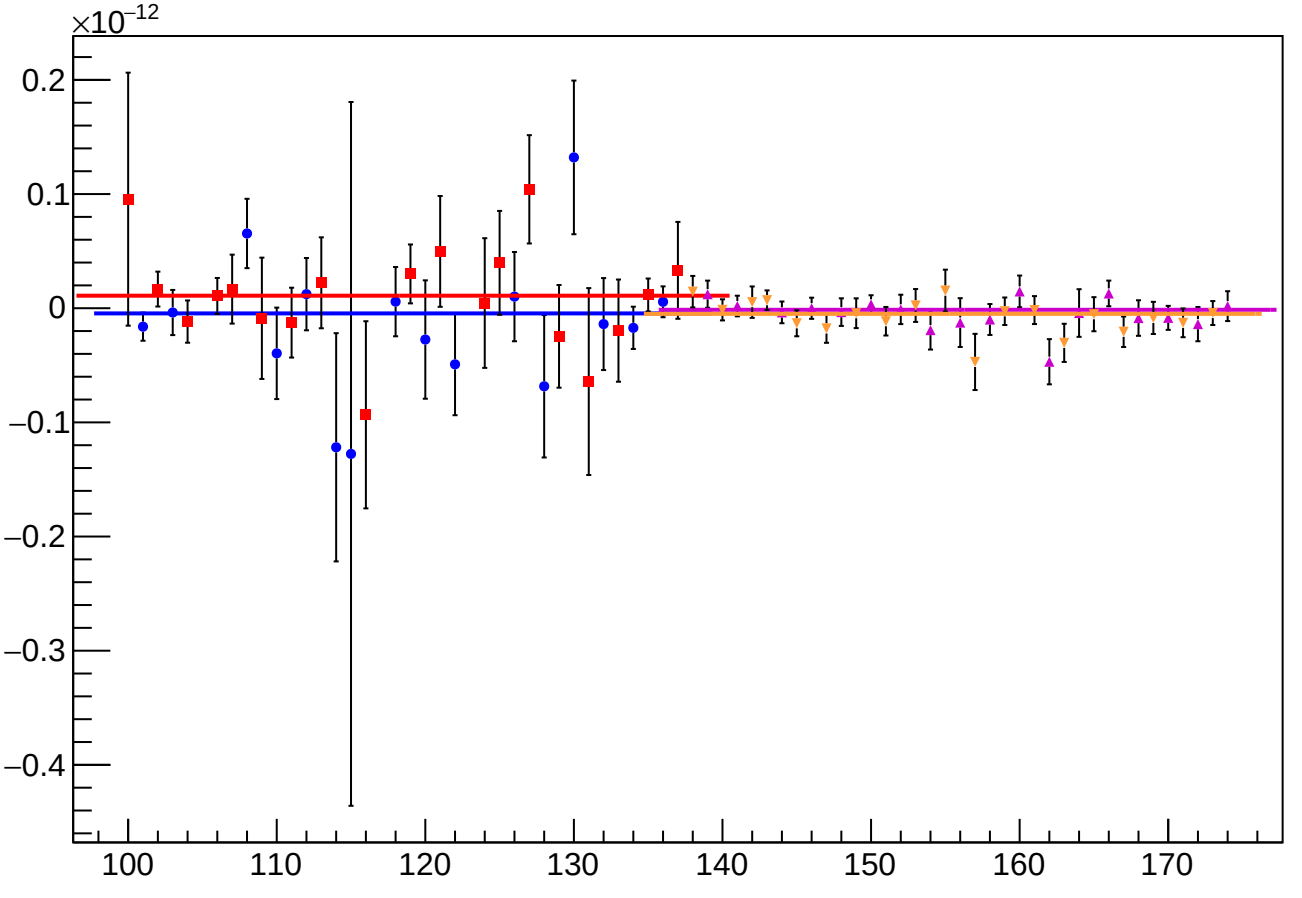
Left: 356.438+/-0.047 χ^2/NDF: 805845.3/36

Right: 329.666+/-0.065 χ^2/NDF: 3293280.0/34

In: 350.392+/-0.054 χ^2/NDF:1985274.4/33

Out: 344.361+/-0.053 χ^2/NDF:2220155.1/37

All: 347.306+/-0.038 χ^2/NDF: 4211785.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 12.4/18

Left In: -0.000+/-0.000 χ^2/NDF:13.3/17

Left: -0.000+/-0.000 χ^2/NDF: 29.2/36

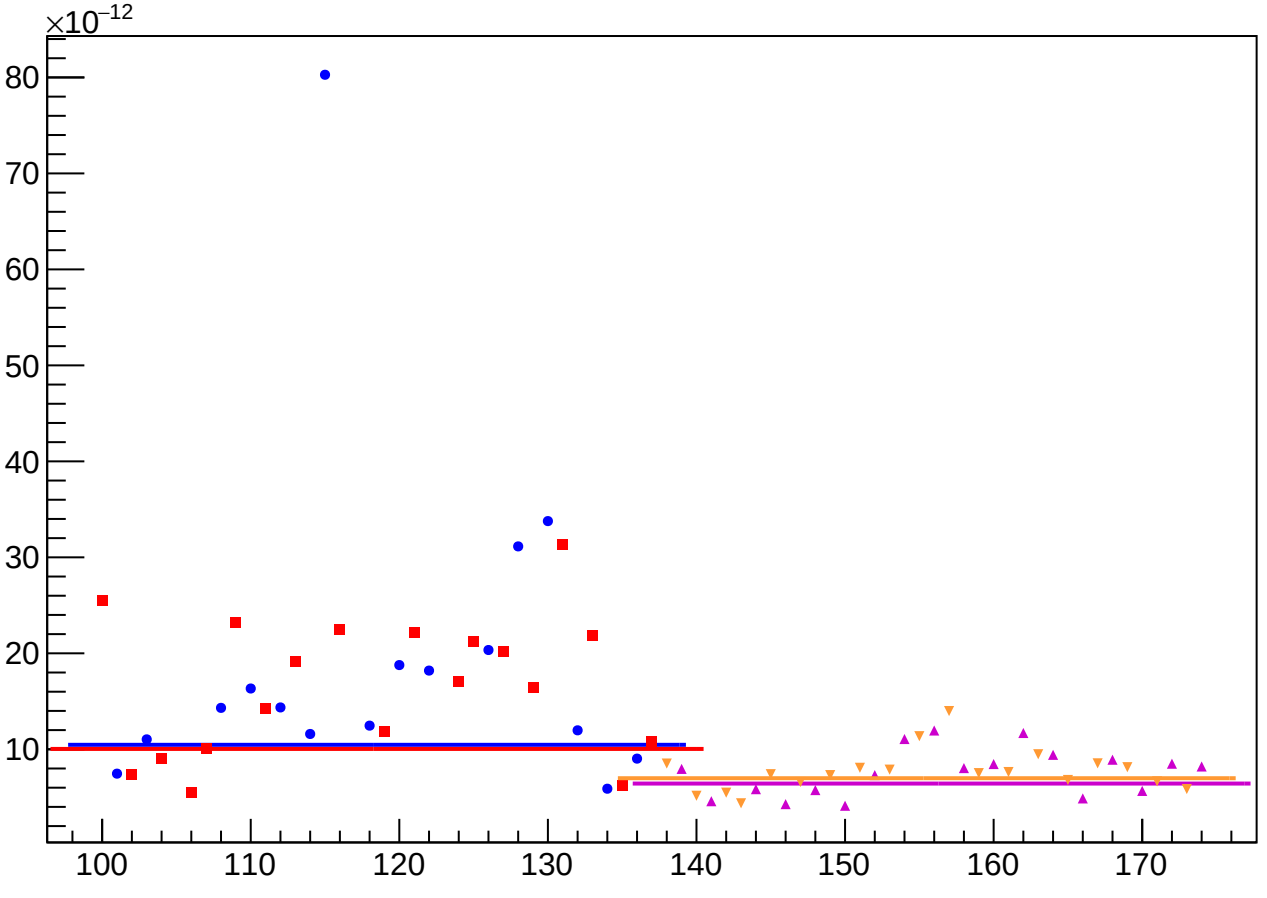
Right: 0.000+/-0.000 χ^2/NDF: 31.8/34

In: -0.000+/-0.000 χ^2/NDF:30.0/33

Out: -0.000+/-0.000 χ^2/NDF:32.6/37

All: -0.000+/-0.000 χ^2/NDF: 62.7/71

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1183833.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:735069.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1415778.7/18

Left In: 0.000+/-0.000 χ^2/NDF:1122366.9/17

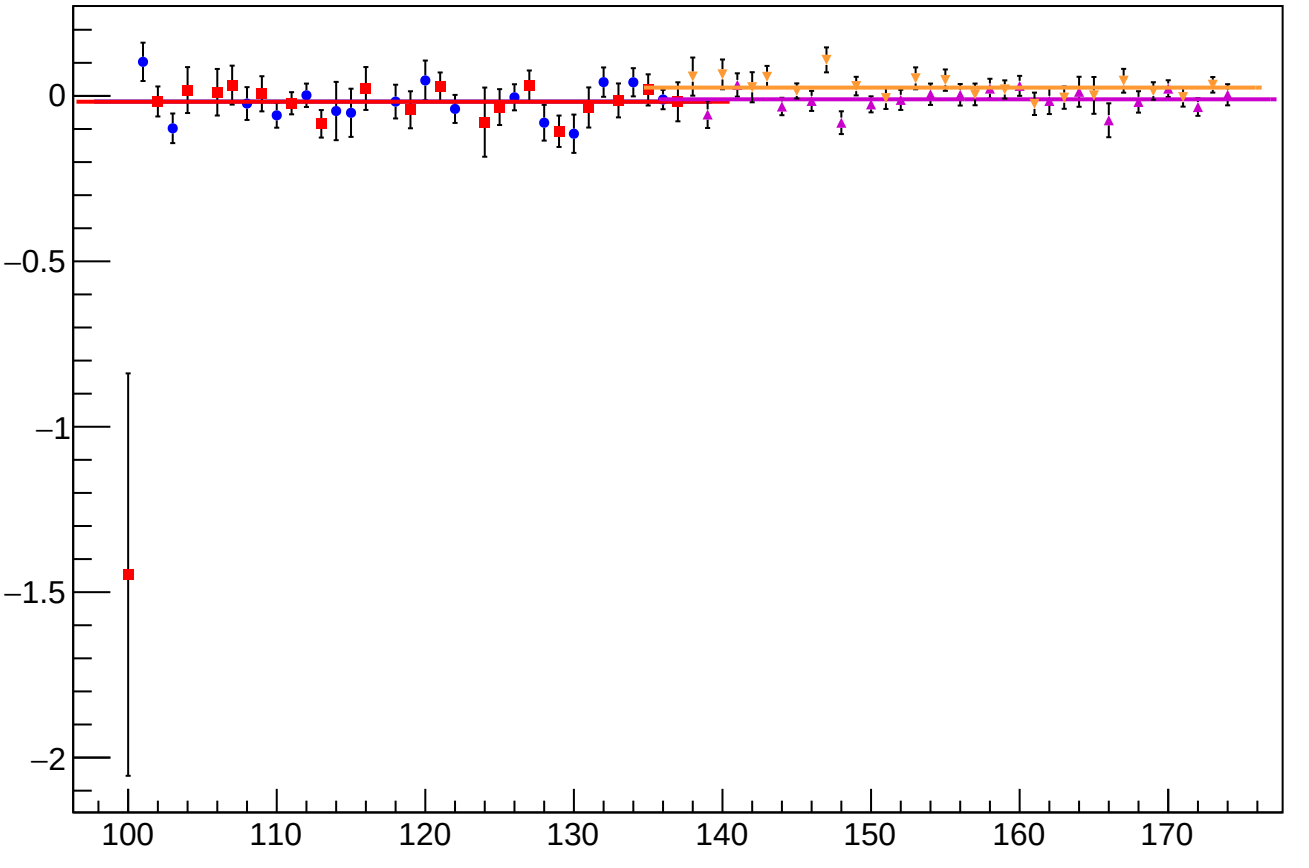
Left: 0.000+/-0.000 χ^2/NDF: 1894804.4/36

Right: 0.000+/-0.000 χ^2/NDF: 2604050.5/34

In: 0.000+/-0.000 χ^2/NDF:2961862.6/33

Out: 0.000+/-0.000 χ^2/NDF:2527009.5/37

All: 0.000+/-0.000 χ^2/NDF: 5513461.0/71



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

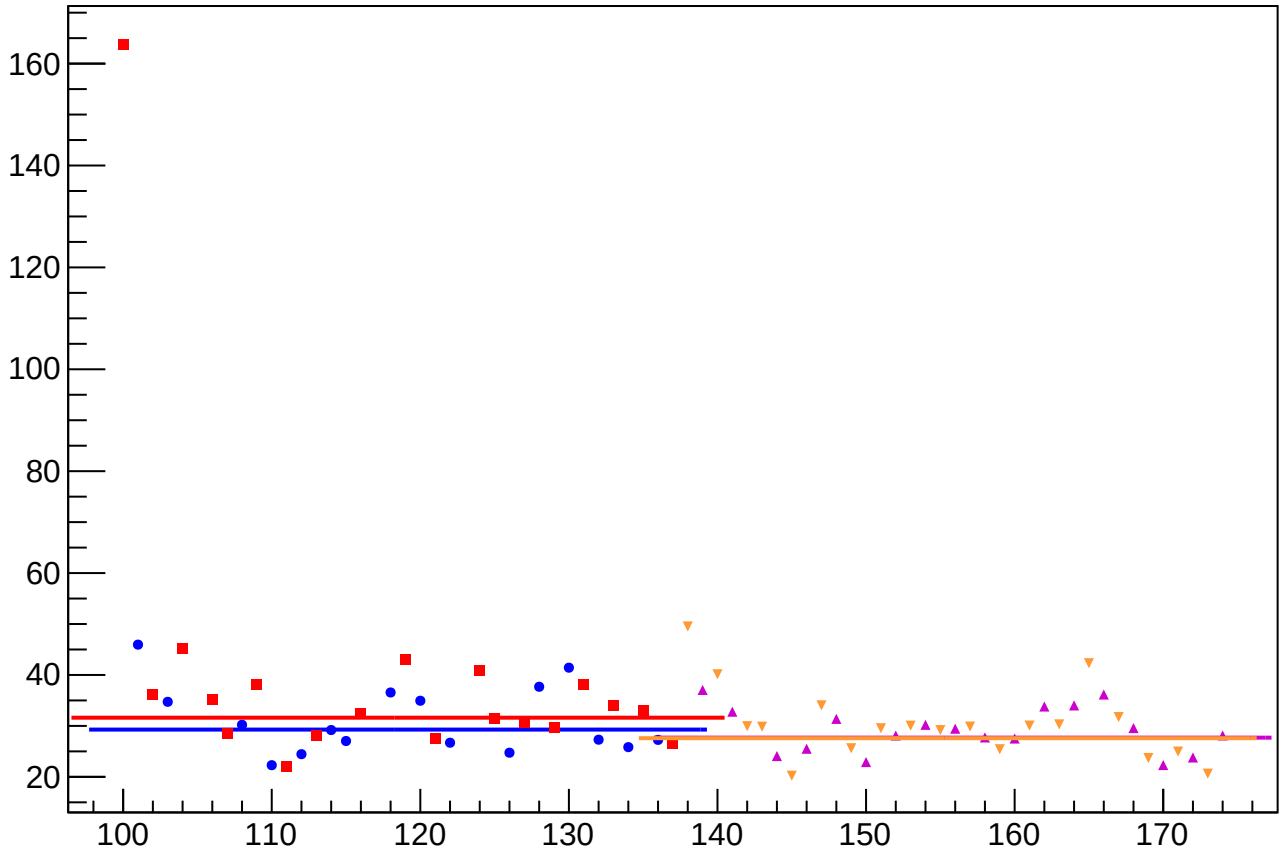
Left: 0.008+/-0.005 χ^2/NDF: 41.9/36

Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.001+/-0.004 χ^2/NDF: 84.0/71



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.585+/-0.005 χ^2/NDF:1205984.8/18

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

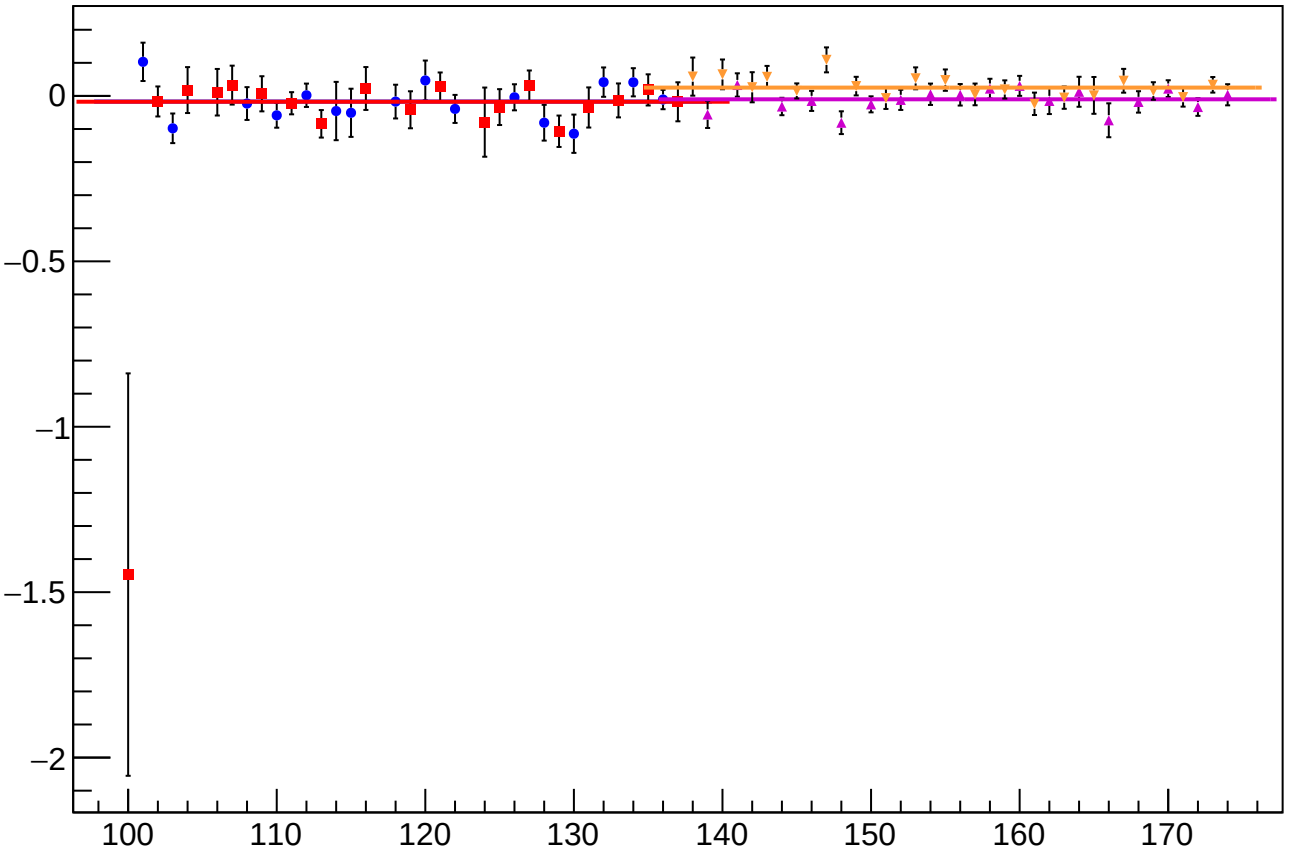
Left: 27.639+/-0.004 χ^2/NDF: 1801219.9/36

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.170+/-0.004 χ^2/NDF:1182939.7/33

Out: 28.675+/-0.004 χ^2/NDF:1939878.9/37

All: 28.419+/-0.003 χ^2/NDF: 3129320.3/71



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

Left: 0.008+/-0.005 χ^2/NDF: 41.9/36

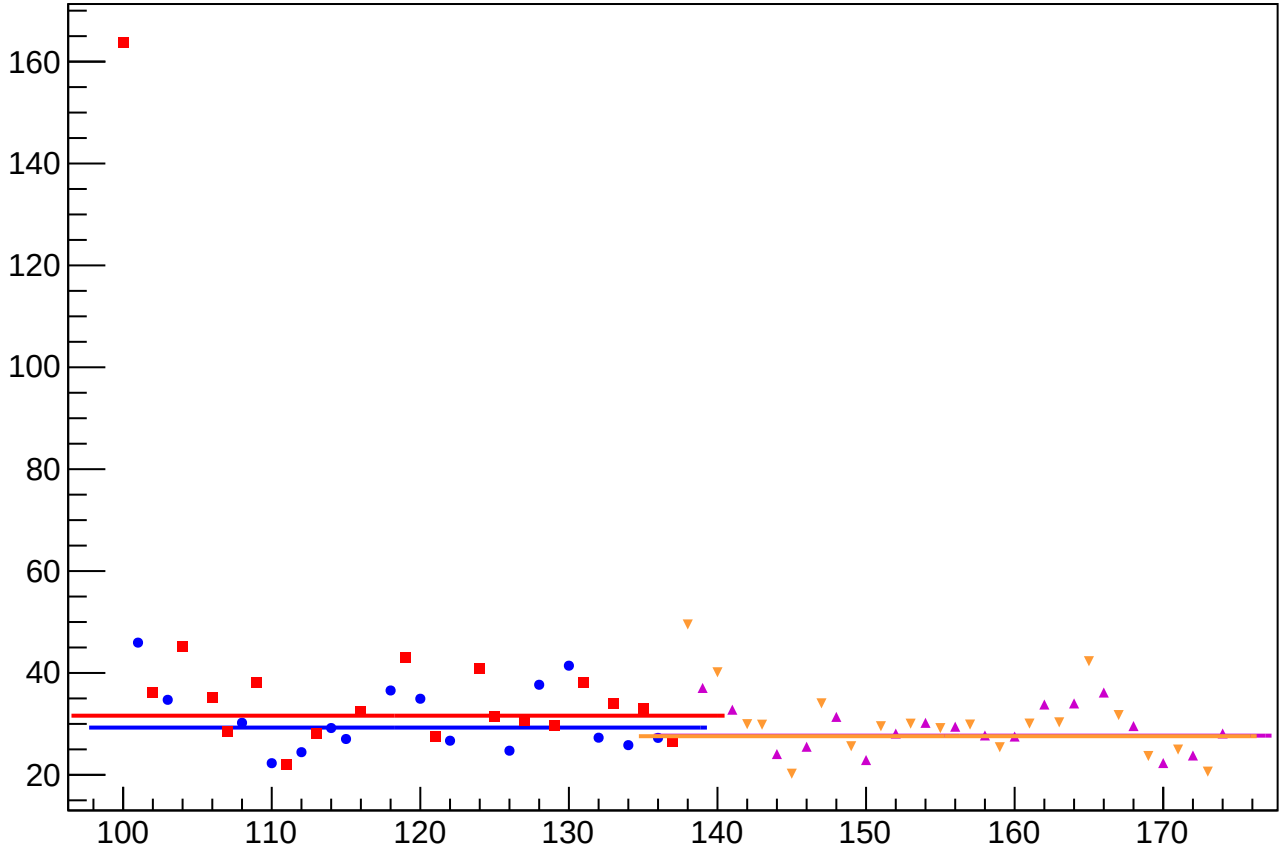
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.001+/-0.004 χ^2/NDF: 84.0/71

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.9/15

Left Out: 27.585+/-0.005 χ^2/NDF:1205984.8/18

Right Out: 31.613+/-0.009 χ^2/NDF: 572190.6/18

Left In: 27.695+/-0.005 χ^2/NDF:595016.1/17

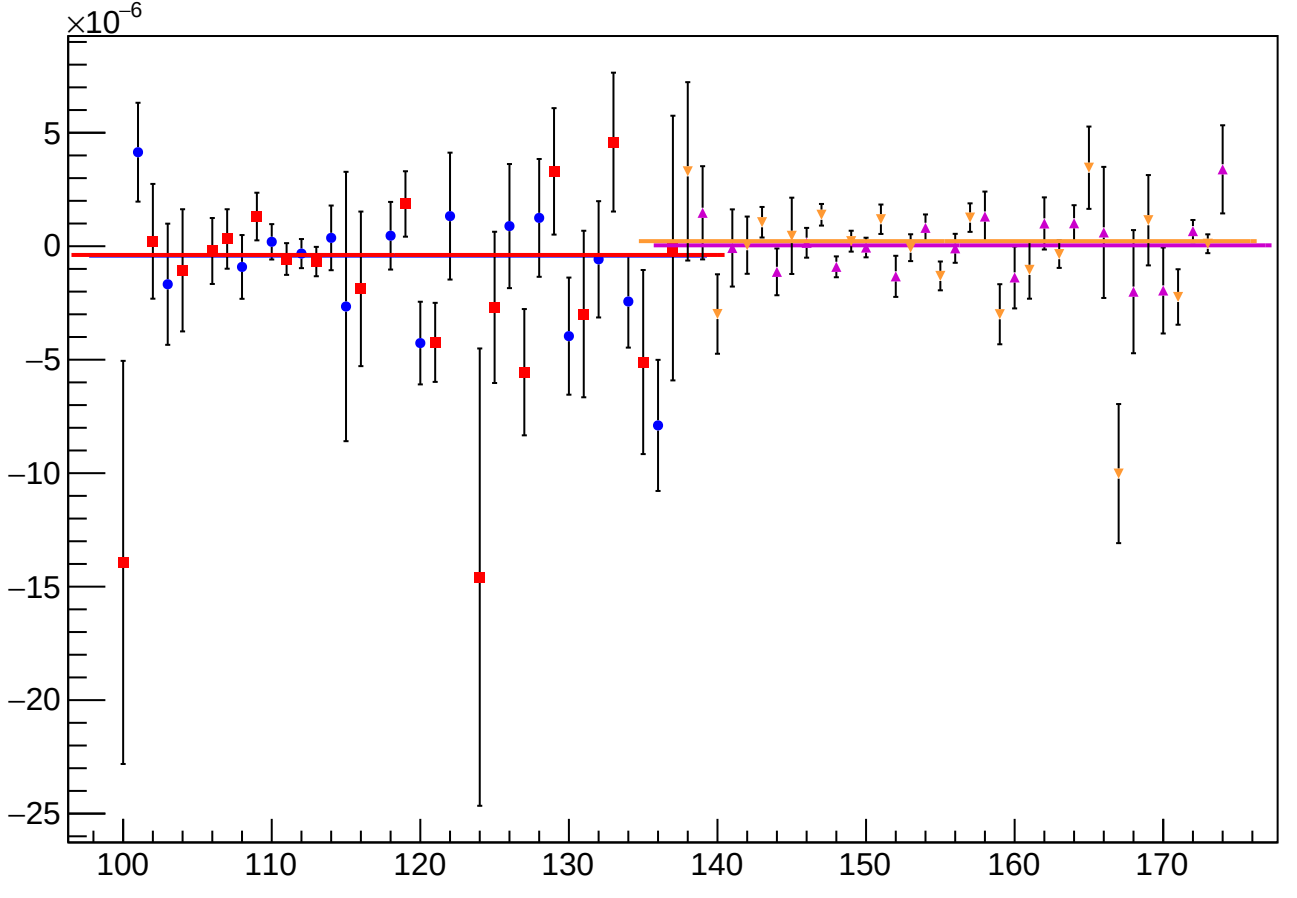
Left: 27.639+/-0.004 χ^2/NDF: 1801219.9/36

Right: 30.371+/-0.006 χ^2/NDF: 1172478.3/34

In: 28.170+/-0.004 χ^2/NDF:1182939.7/33

Out: 28.675+/-0.004 χ^2/NDF:1939878.9/37

All: 28.419+/-0.003 χ^2/NDF: 3129320.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/15

Left Out: 0.000+/-0.000 χ^2/NDF:49.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/18

Left In: 0.000+/-0.000 χ^2/NDF:21.1/17

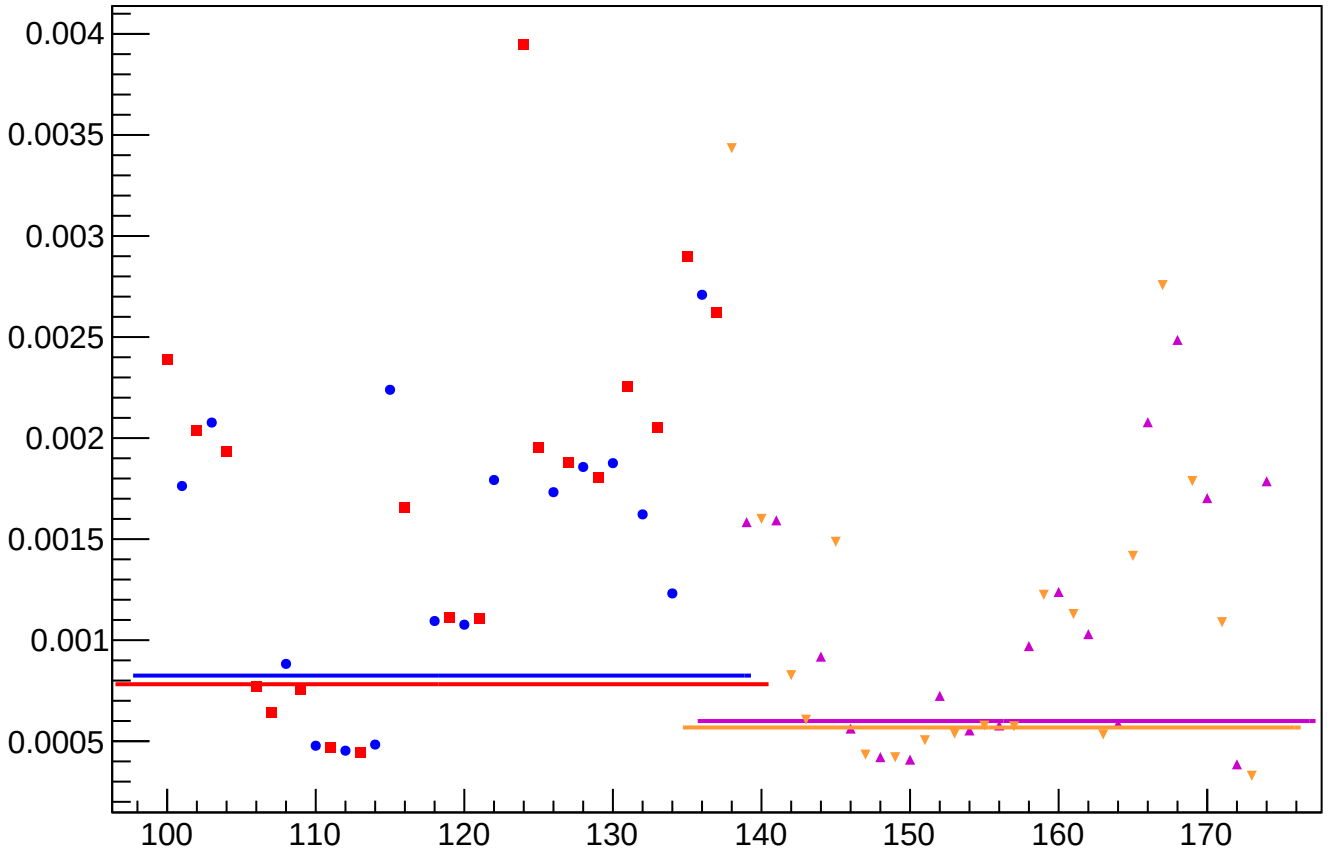
Left: 0.000+/-0.000 χ^2/NDF: 70.6/36

Right: -0.000+/-0.000 χ^2/NDF: 46.5/34

In: -0.000+/-0.000 χ^2/NDF:43.5/33

Out: 0.000+/-0.000 χ^2/NDF:76.7/37

All: 0.000+/-0.000 χ^2/NDF: 120.7/71



Right In: 0.001+/-0.000 χ^2/NDF: 4448725.9/15

Left Out: 0.001+/-0.000 χ^2/NDF:6962040.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4638419.3/18

Left In: 0.001+/-0.000 χ^2/NDF:6329183.4/17

Left: 0.001+/-0.000 χ^2/NDF: 13323259.5/36

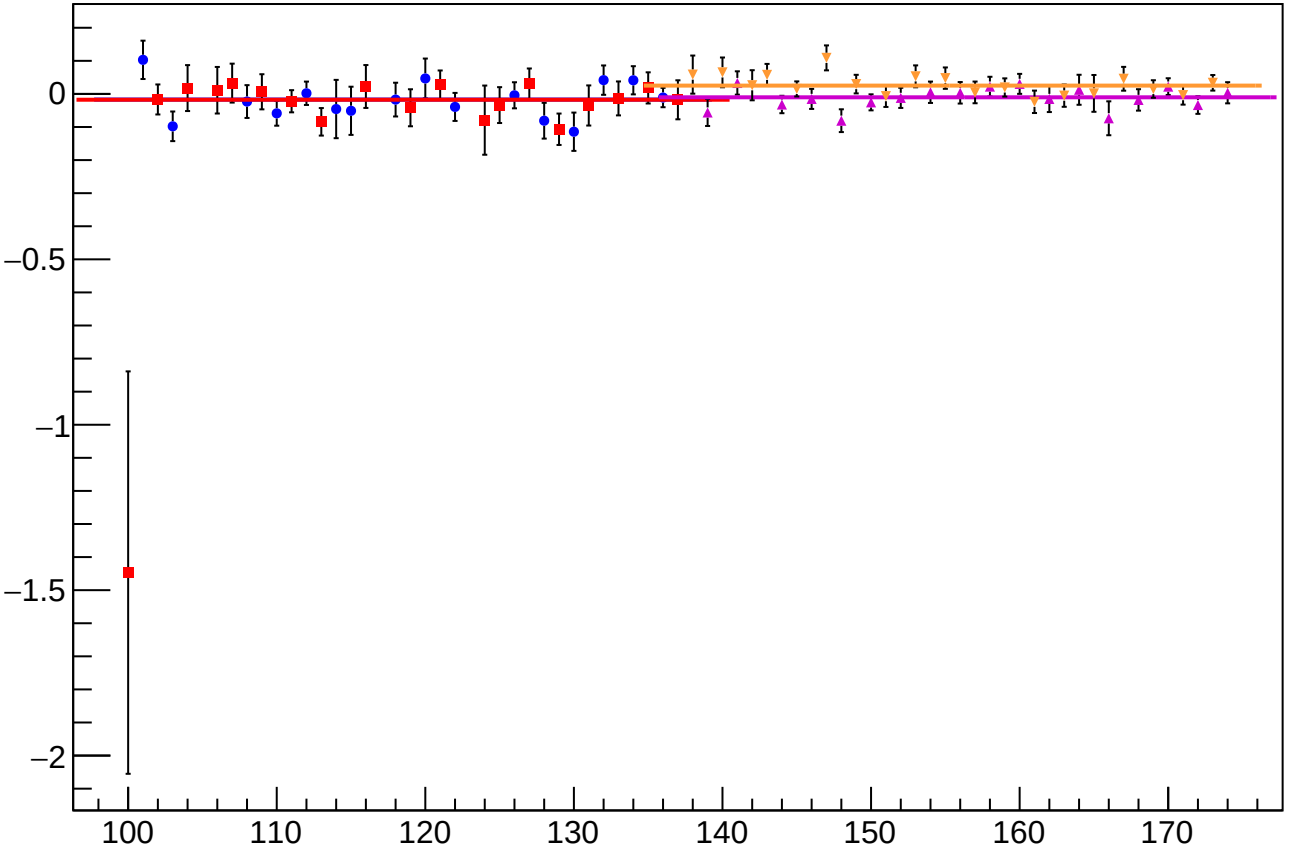
Right: 0.001+/-0.000 χ^2/NDF: 9101271.0/34

In: 0.001+/-0.000 χ^2/NDF:11367054.3/33

Out: 0.001+/-0.000 χ^2/NDF:12207497.4/37

All: 0.001+/-0.000 χ^2/NDF: 23622875.6/71

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

Left: 0.008+/-0.005 χ^2/NDF: 41.9/36

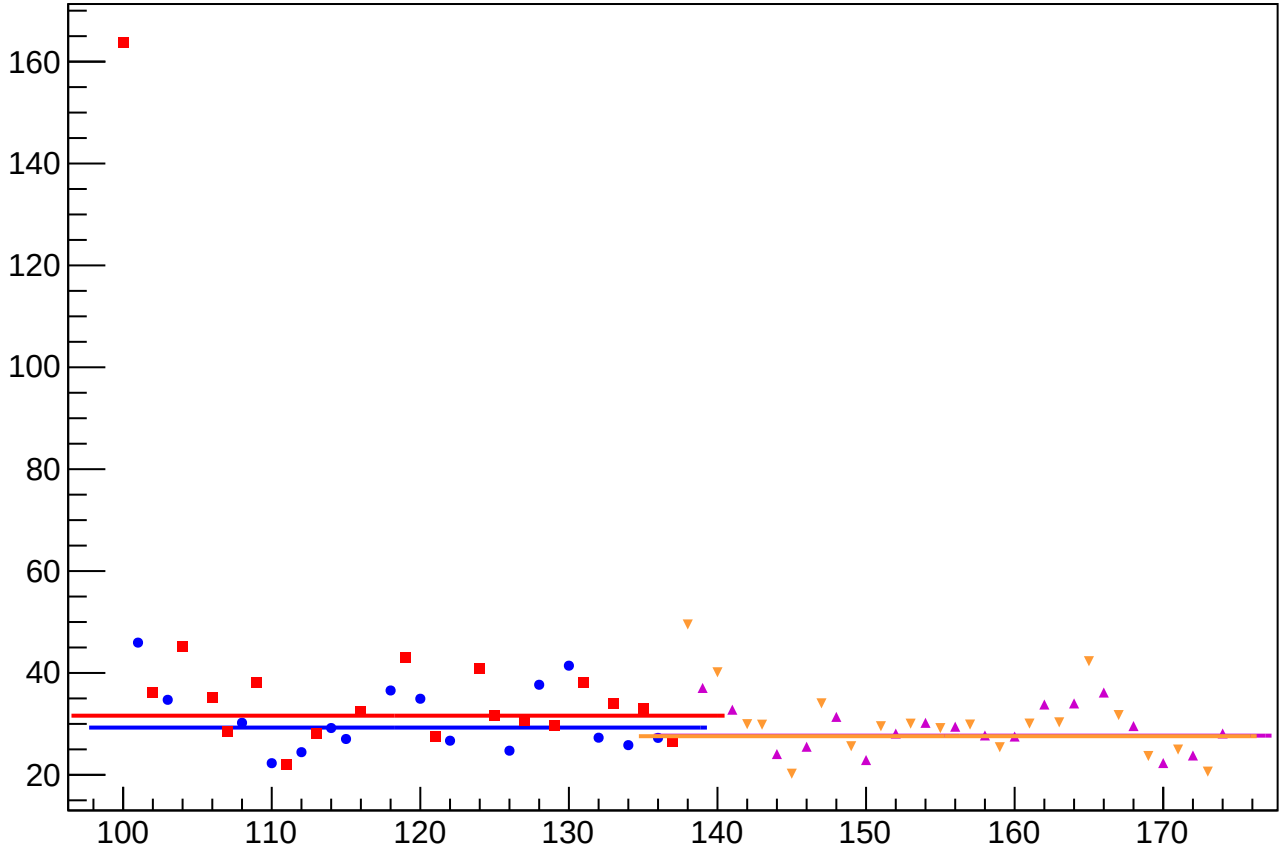
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.001+/-0.004 χ^2/NDF: 84.0/71

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.585+/-0.005 χ^2/NDF:1206042.5/18

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

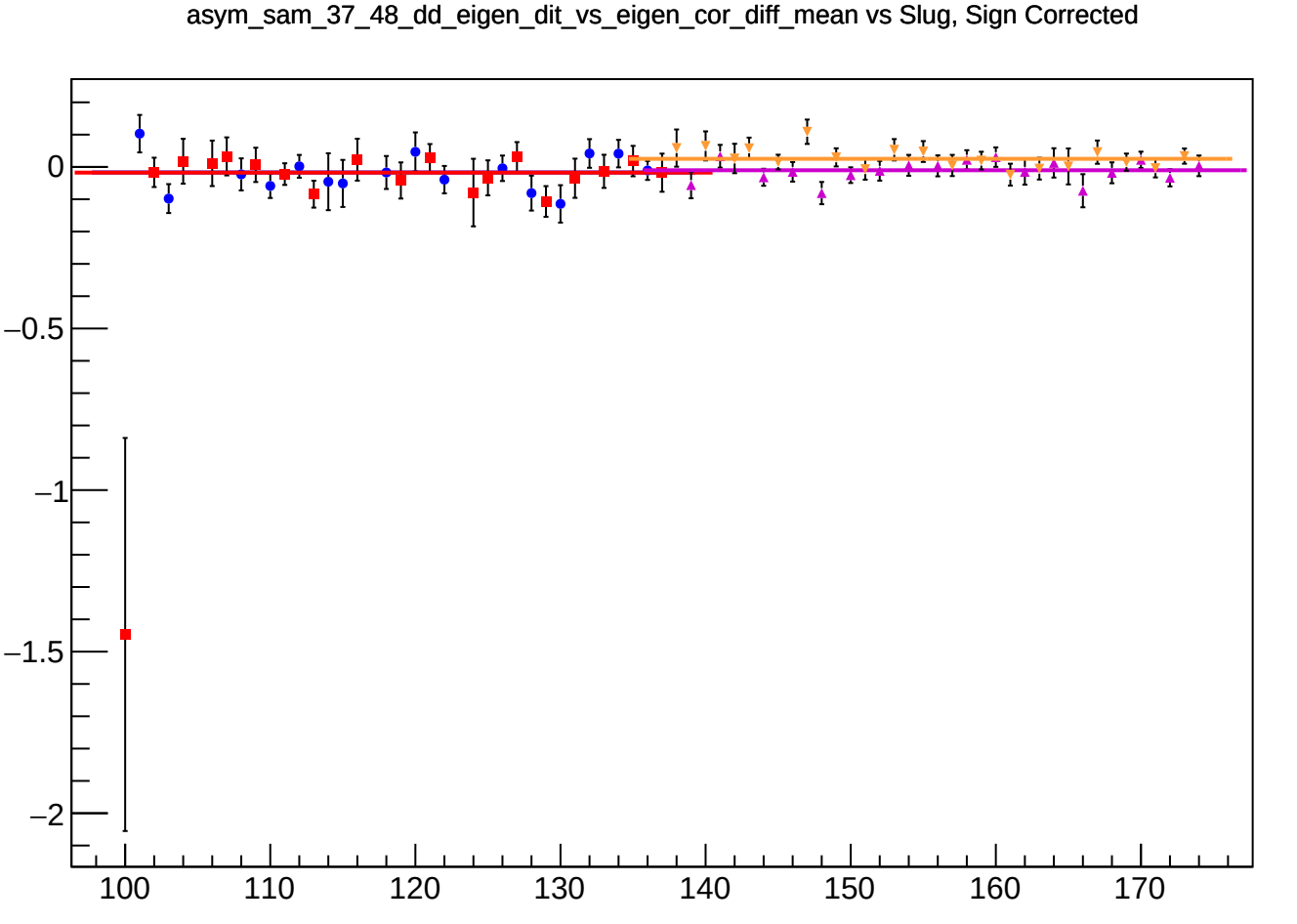
Left: 27.639+/-0.004 χ^2/NDF: 1801265.0/36

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.170+/-0.004 χ^2/NDF:1182936.8/33

Out: 28.675+/-0.004 χ^2/NDF:1939969.6/37

All: 28.419+/-0.003 χ^2/NDF: 3129407.8/71



Right In: -0.017+/-0.011 χ^2/NDF: 18.8/15

Left Out: 0.025+/-0.007 χ^2/NDF:14.5/18

Right Out: -0.018+/-0.012 χ^2/NDF: 16.8/18

Left In: -0.010+/-0.007 χ^2/NDF:15.9/17

Left: 0.008+/-0.005 χ^2/NDF: 41.9/36

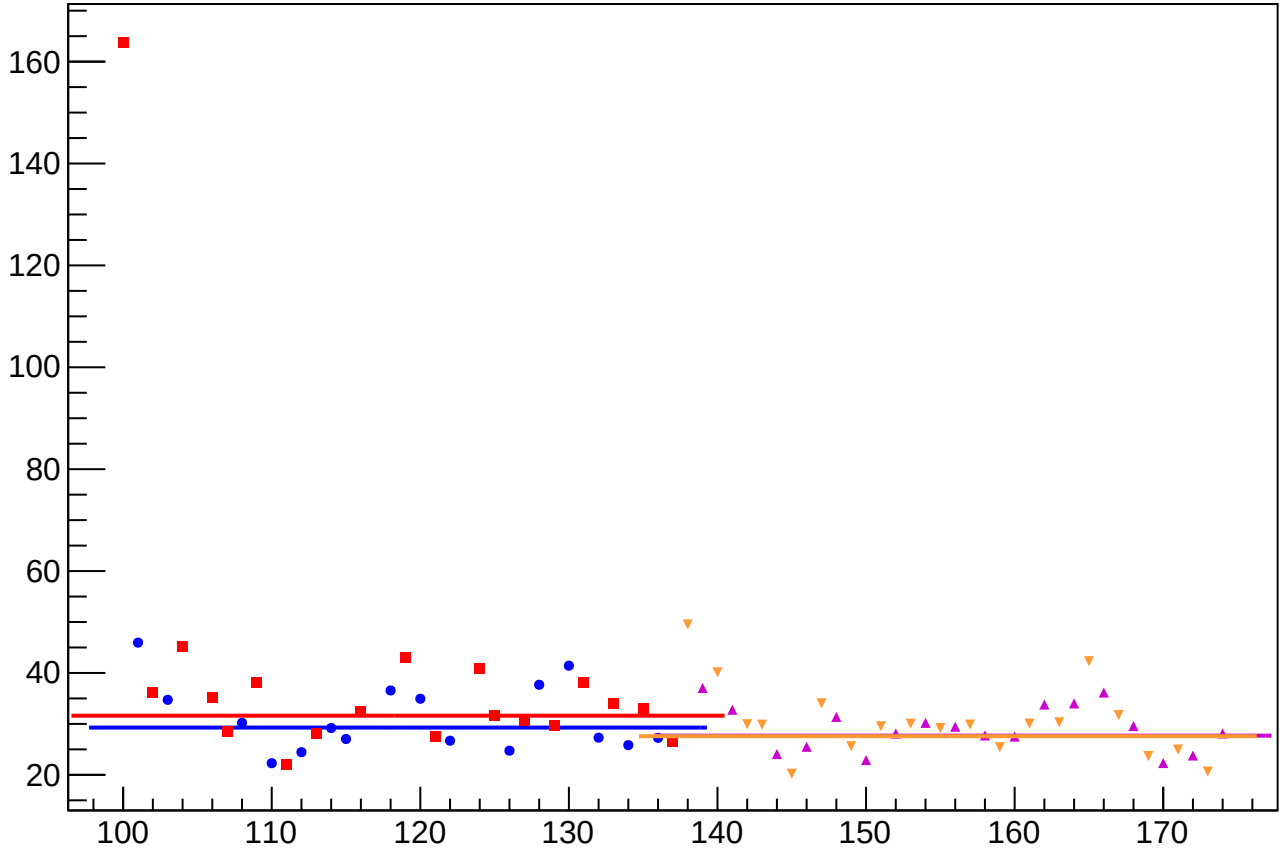
Right: -0.017+/-0.008 χ^2/NDF: 35.7/34

In: -0.012+/-0.006 χ^2/NDF:35.0/33

Out: 0.014+/-0.006 χ^2/NDF:40.4/37

All: 0.001+/-0.004 χ^2/NDF: 84.0/71

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.278+/-0.008 χ^2/NDF: 560654.1/15

Left Out: 27.585+/-0.005 χ^2/NDF:1206042.5/18

Right Out: 31.614+/-0.009 χ^2/NDF: 572187.4/18

Left In: 27.694+/-0.005 χ^2/NDF:595003.4/17

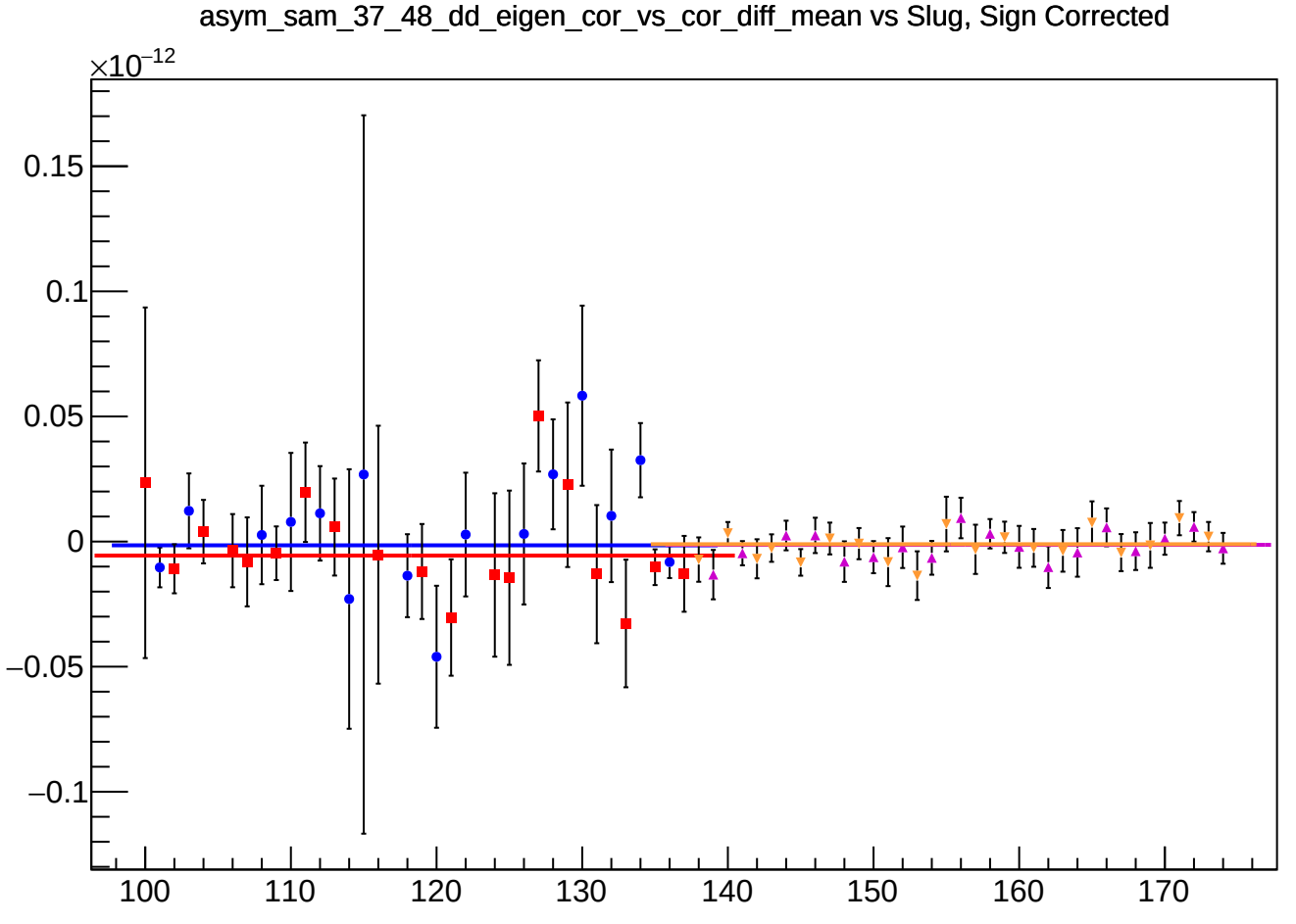
Left: 27.639+/-0.004 χ^2/NDF: 1801265.0/36

Right: 30.371+/-0.006 χ^2/NDF: 1172478.0/34

In: 28.170+/-0.004 χ^2/NDF:1182936.8/33

Out: 28.675+/-0.004 χ^2/NDF:1939969.6/37

All: 28.419+/-0.003 χ^2/NDF: 3129407.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/15

Left Out: -0.000+/-0.000 χ^2/NDF:11.0/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.3/18

Left In: -0.000+/-0.000 χ^2/NDF:10.7/17

Left: -0.000+/-0.000 χ^2/NDF: 21.7/36

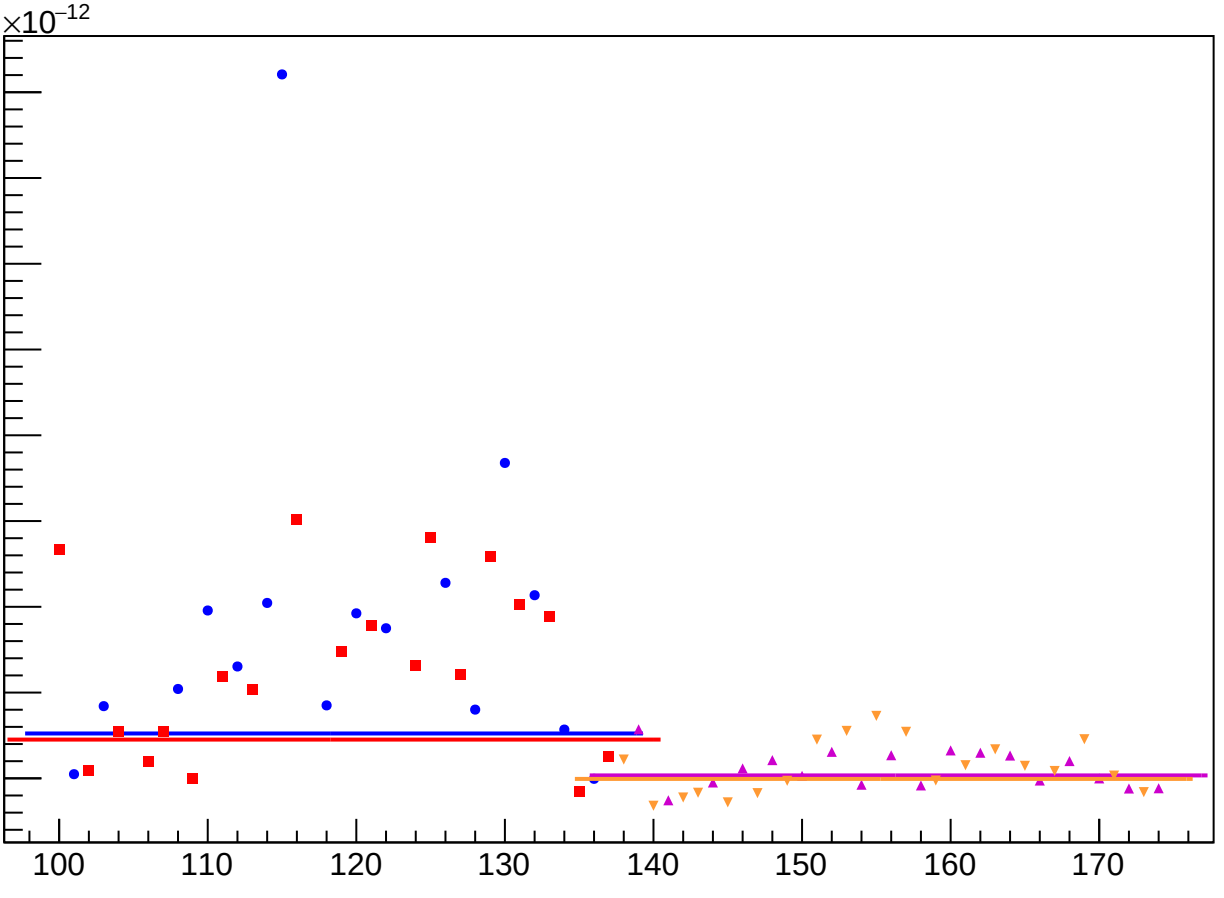
Right: -0.000+/-0.000 χ^2/NDF: 30.9/34

In: -0.000+/-0.000 χ^2/NDF:27.6/33

Out: -0.000+/-0.000 χ^2/NDF:25.6/37

All: -0.000+/-0.000 χ^2/NDF: 53.3/71

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2021305.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:1486989.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1998231.7/18

Left In: 0.000+/-0.000 χ^2/NDF:730193.5/17

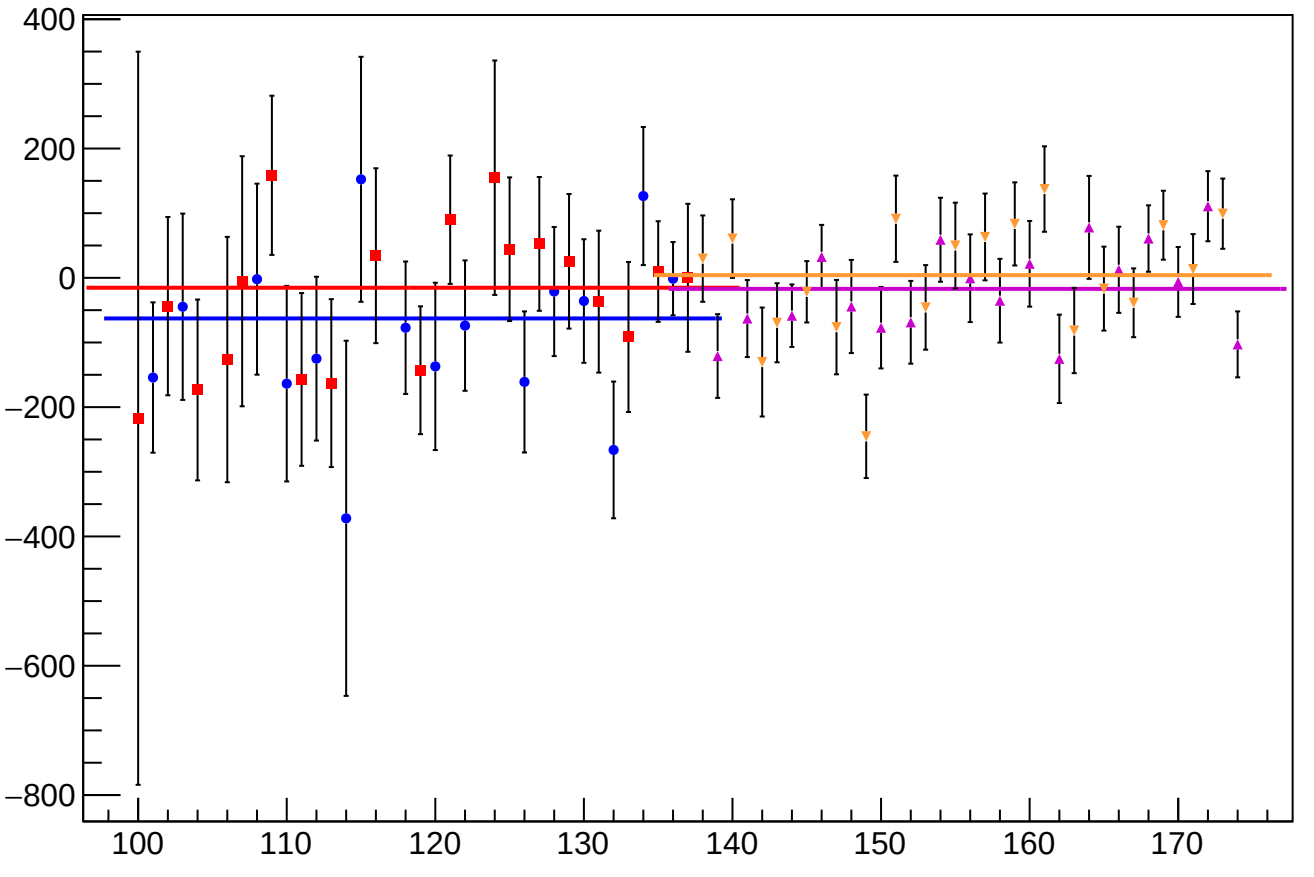
Left: 0.000+/-0.000 χ^2/NDF: 2233079.1/36

Right: 0.000+/-0.000 χ^2/NDF: 4028618.6/34

In: 0.000+/-0.000 χ^2/NDF:3443725.1/33

Out: 0.000+/-0.000 χ^2/NDF:4147228.7/37

All: 0.000+/-0.000 χ^2/NDF: 7611162.6/71



Right In: -62.798+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: -15.288+/-27.770 χ^2/NDF: 11.5/18

Left In: -17.084+/-14.130 χ^2/NDF:23.3/17

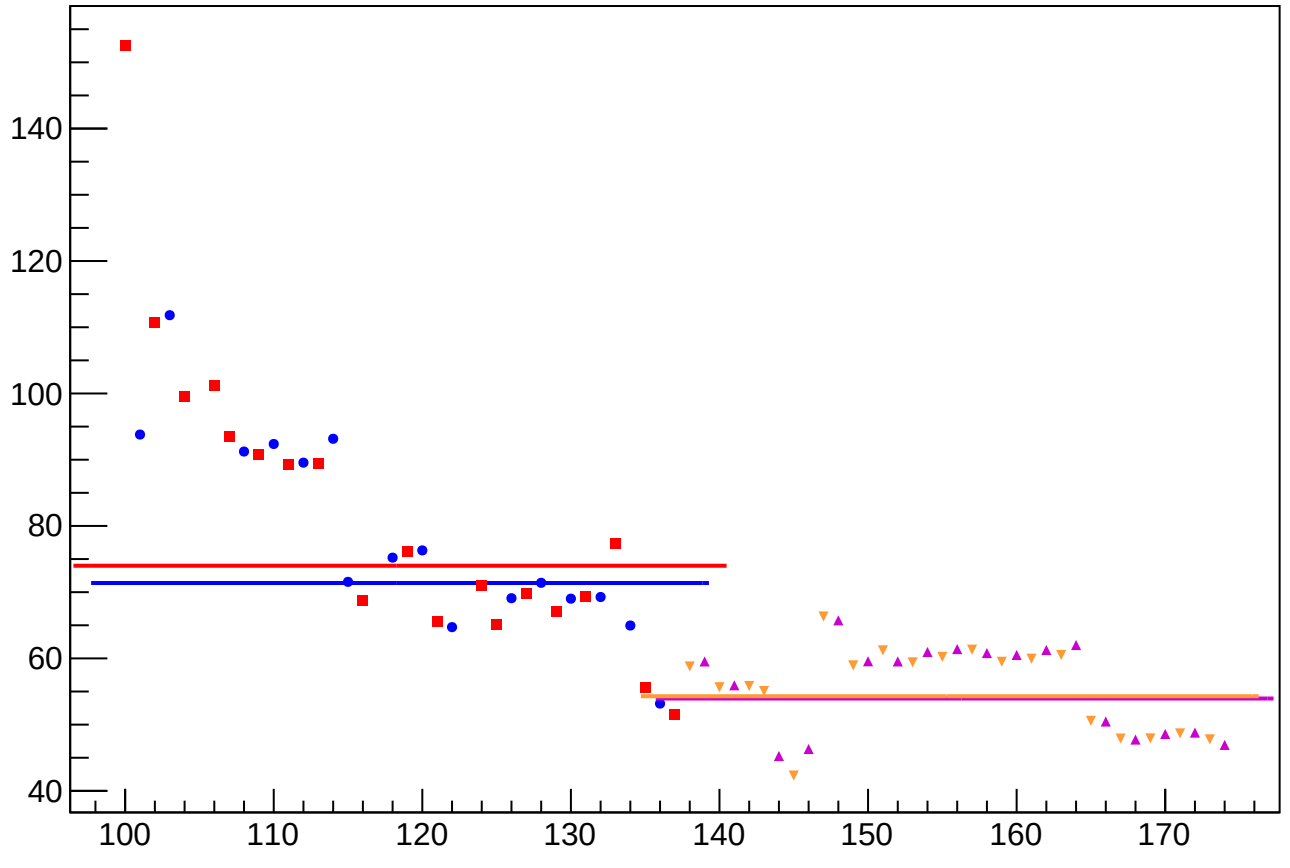
Left: -6.460+/-9.992 χ^2/NDF: 62.6/36

Right: -39.524+/-19.436 χ^2/NDF: 26.4/34

In: -26.792+/-12.541 χ^2/NDF:39.0/33

Out: 0.164+/-12.594 χ^2/NDF:50.1/37

All: -13.372+/-8.886 χ^2/NDF: 91.4/71



Right In: 71.383+/-0.019 χ^2/NDF: 590909.3/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

Right Out: 73.994+/-0.020 χ^2/NDF: 638445.5/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

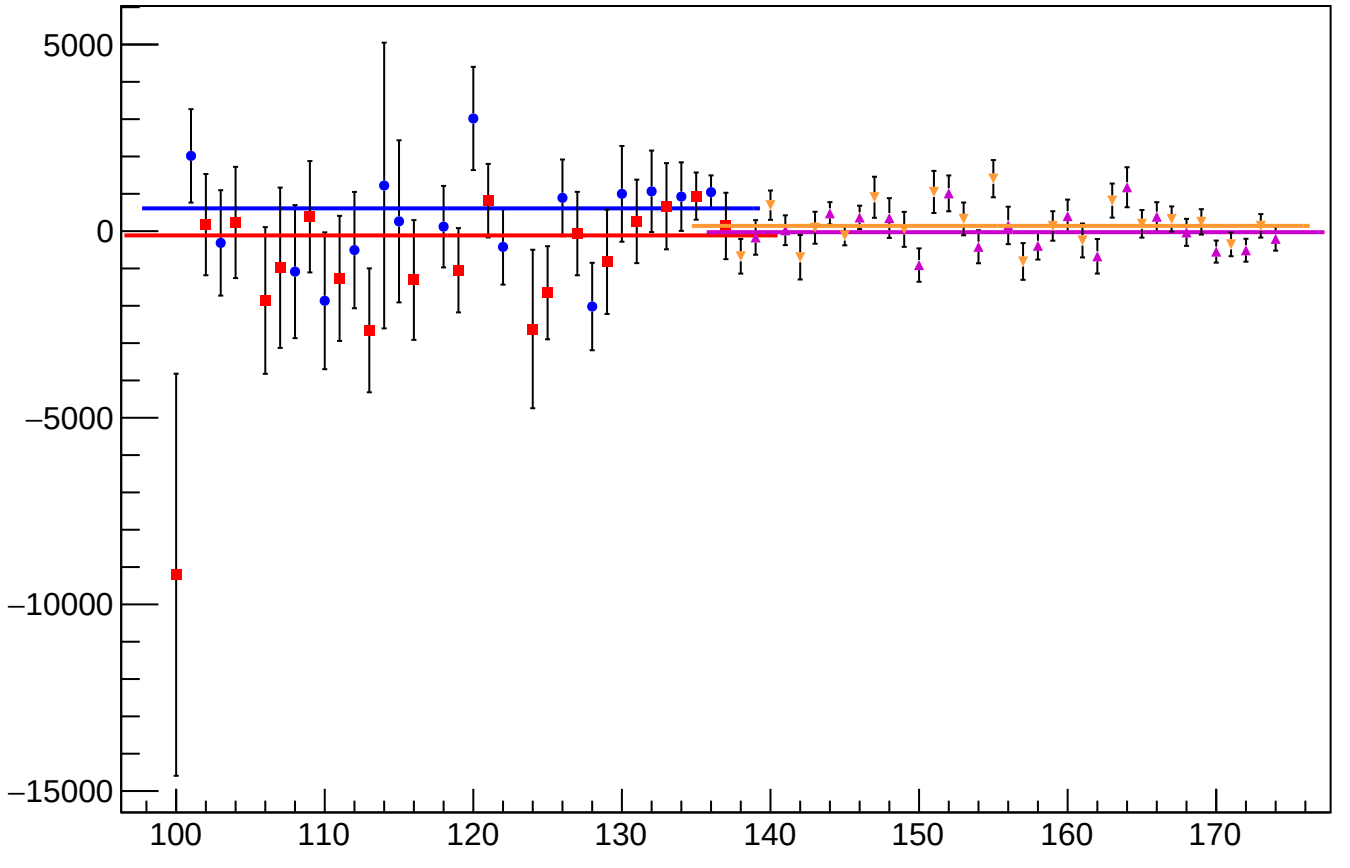
Left: 54.116+/-0.007 χ^2/NDF: 892906.6/36

Right: 72.662+/-0.014 χ^2/NDF: 1238370.4/34

In: 57.647+/-0.009 χ^2/NDF:1695176.9/33

Out: 58.342+/-0.009 χ^2/NDF:1873363.8/37

All: 57.993+/-0.006 χ^2/NDF: 3571599.8/71



Right In: 610.561+/-266.802 χ^2/NDF: 15.7/15

Left Out: 140.810+/-91.714 χ^2/NDF:28.7/18

Right Out: -114.633+/-284.312 χ^2/NDF: 15.6/18

Left In: -28.059+/-90.901 χ^2/NDF:30.5/17

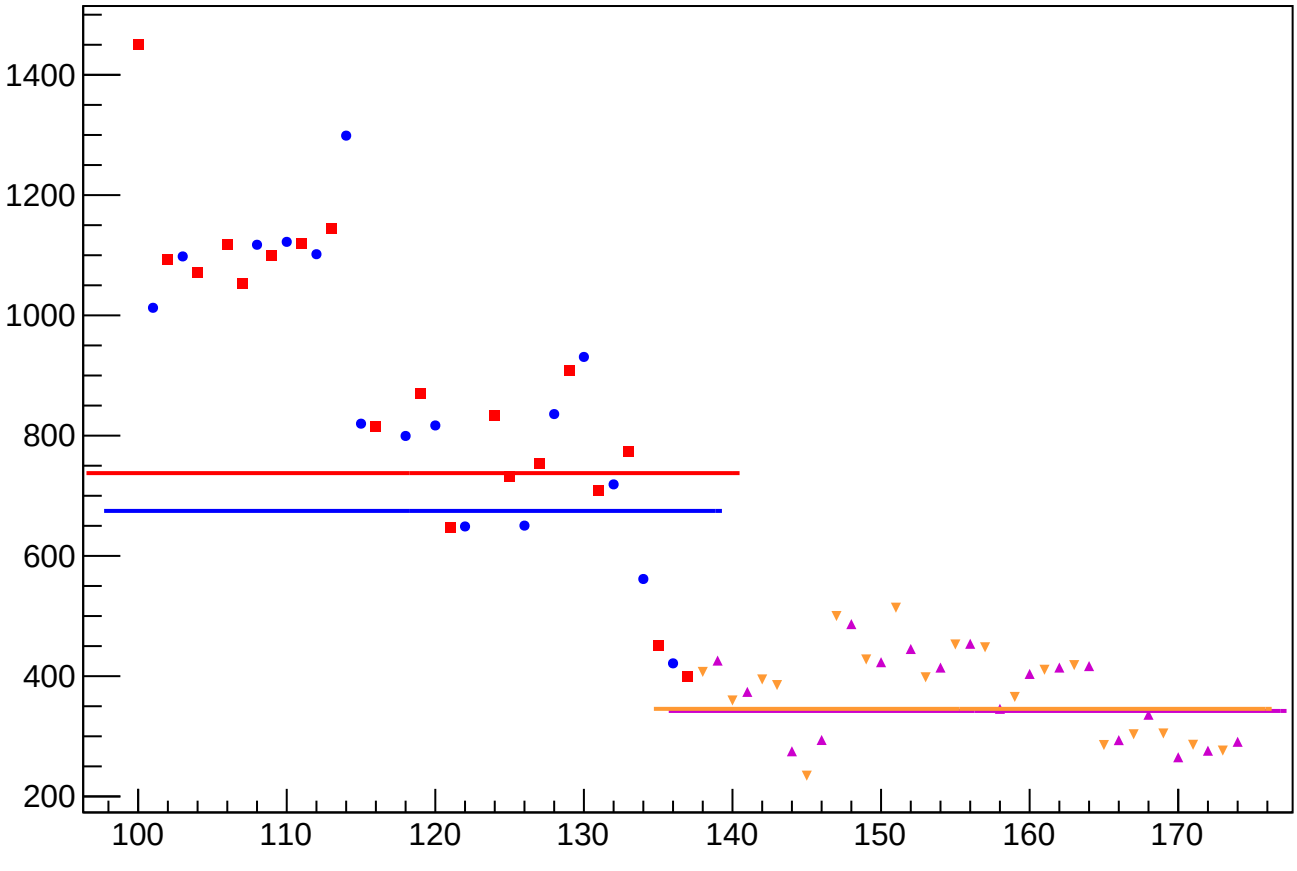
Left: 55.623+/-64.562 χ^2/NDF: 60.9/36

Right: 270.981+/-194.553 χ^2/NDF: 34.7/34

In: 38.362+/-86.044 χ^2/NDF:51.3/33

Out: 116.734+/-87.285 χ^2/NDF:45.0/37

All: 76.986+/-61.276 χ^2/NDF: 96.7/71



Right In: 674.830+/-0.189 χ^2/NDF: 1617598.7/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.7/18

Right Out: 737.674+/-0.201 χ^2/NDF: 1516748.6/18

Left In: 342.174+/-0.064 χ^2/NDF:1121560.8/17

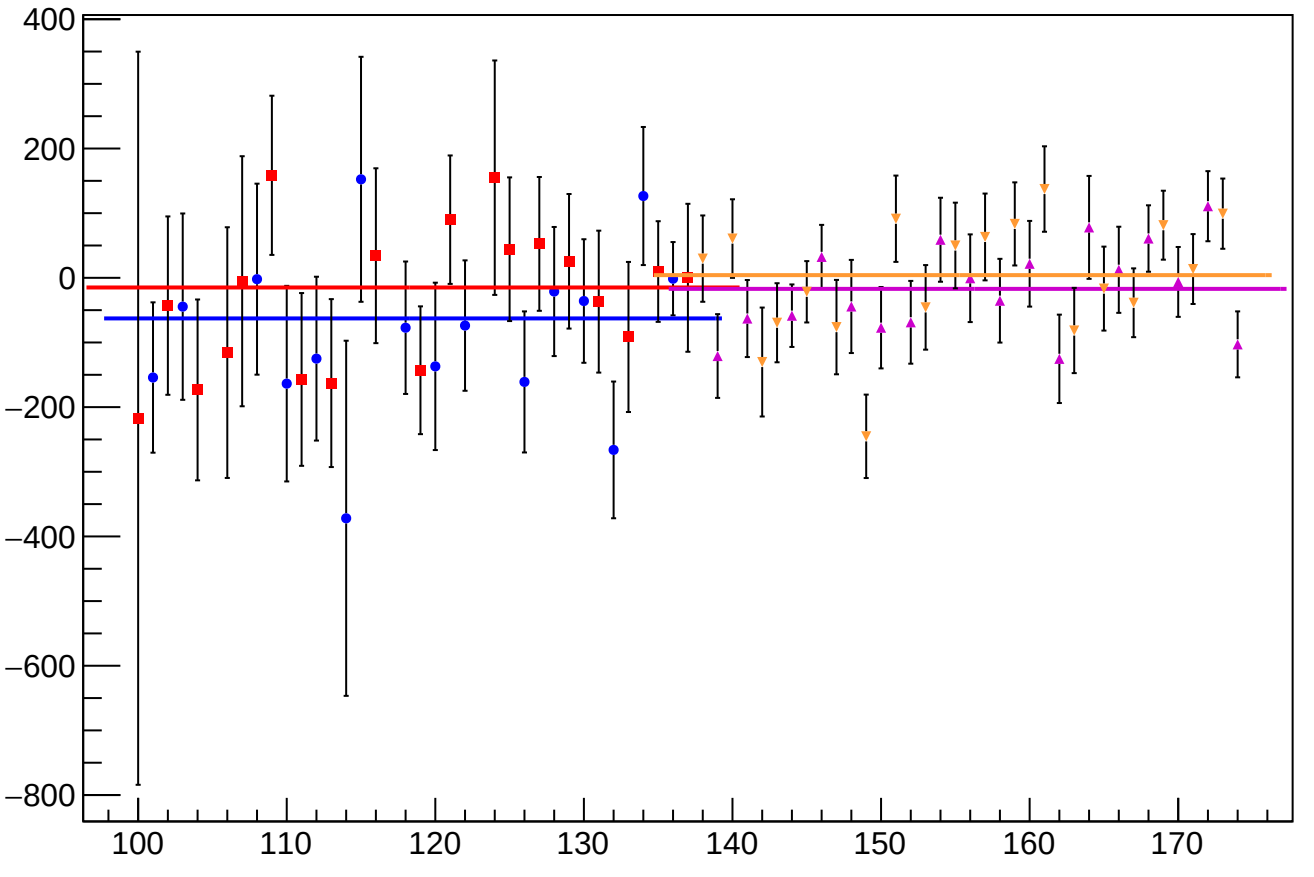
Left: 343.898+/-0.046 χ^2/NDF: 2528231.2/36

Right: 704.257+/-0.138 χ^2/NDF: 3186306.4/34

In: 376.773+/-0.061 χ^2/NDF:5524942.5/33

Out: 382.601+/-0.062 χ^2/NDF:6366012.5/37

All: 379.645+/-0.043 χ^2/NDF: 11895477.6/71



Right In: -62.789+/-27.213 χ^2/NDF: 13.5/15

Left Out: 4.165+/-14.131 χ^2/NDF:38.2/18

Right Out: -14.932+/-27.783 χ^2/NDF: 11.4/18

Left In: -17.084+/-14.130 χ^2/NDF:23.3/17

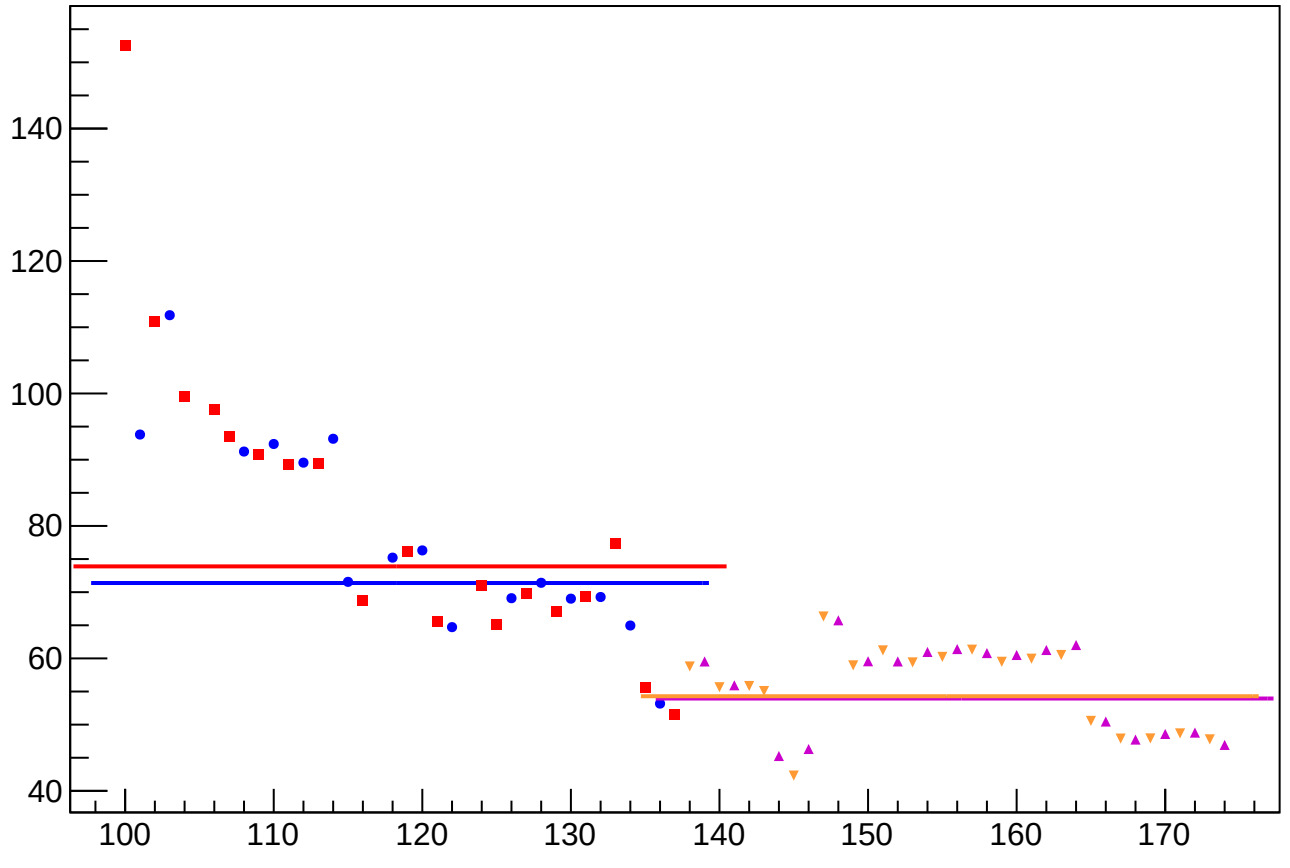
Left: -6.460+/-9.992 χ^2/NDF: 62.6/36

Right: -39.357+/-19.441 χ^2/NDF: 26.4/34

In: -26.790+/-12.541 χ^2/NDF:39.0/33

Out: 0.240+/-12.596 χ^2/NDF:50.0/37

All: -13.334+/-8.887 χ^2/NDF: 91.3/71



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

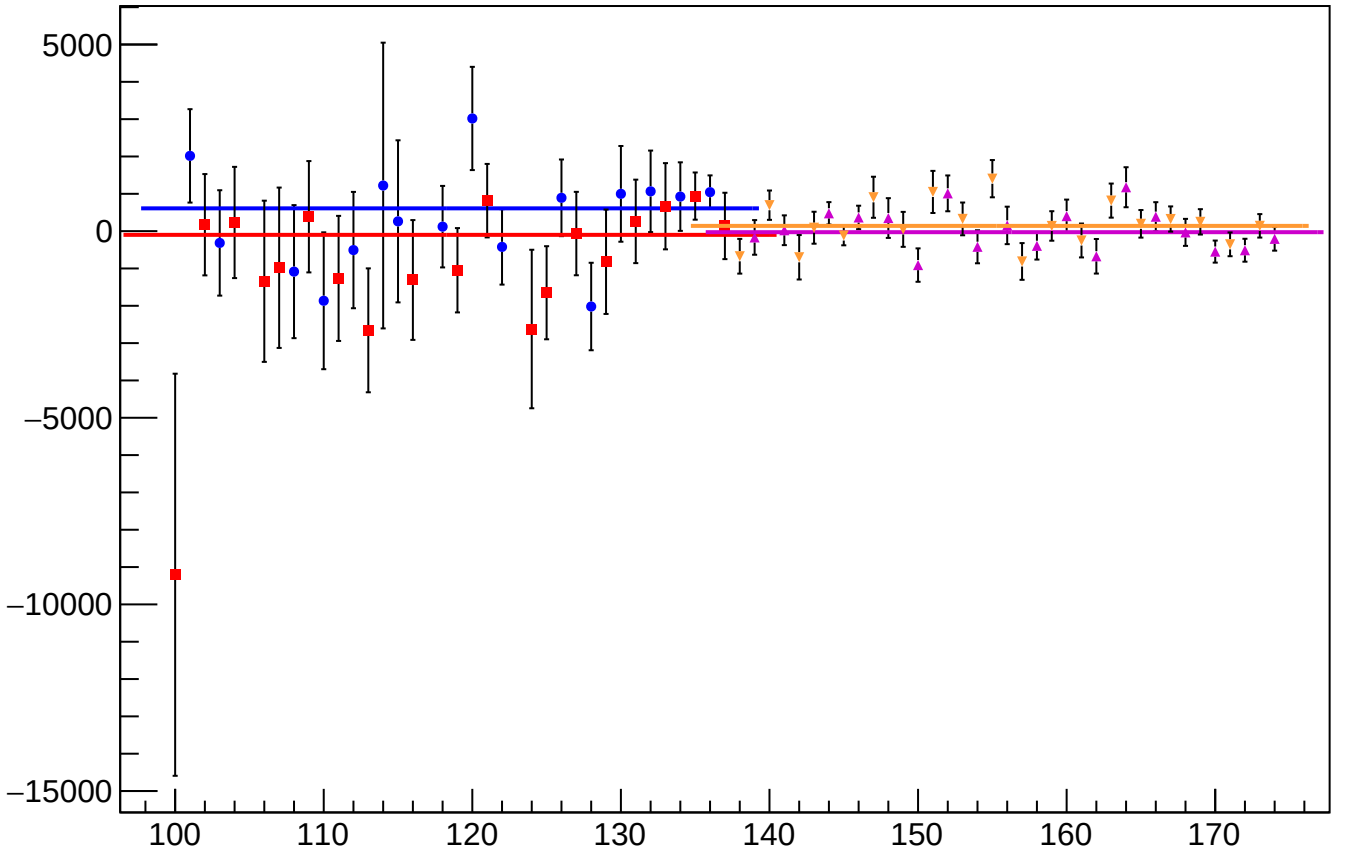
Left: 54.116+/-0.007 χ^2/NDF: 892906.6/36

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.647+/-0.009 χ^2/NDF:1695179.5/33

Out: 58.318+/-0.009 χ^2/NDF:1853255.6/37

All: 57.981+/-0.006 χ^2/NDF: 3551289.9/71



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.807+/-91.714 χ^2/NDF:28.7/18

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -28.061+/-90.901 χ^2/NDF:30.5/17

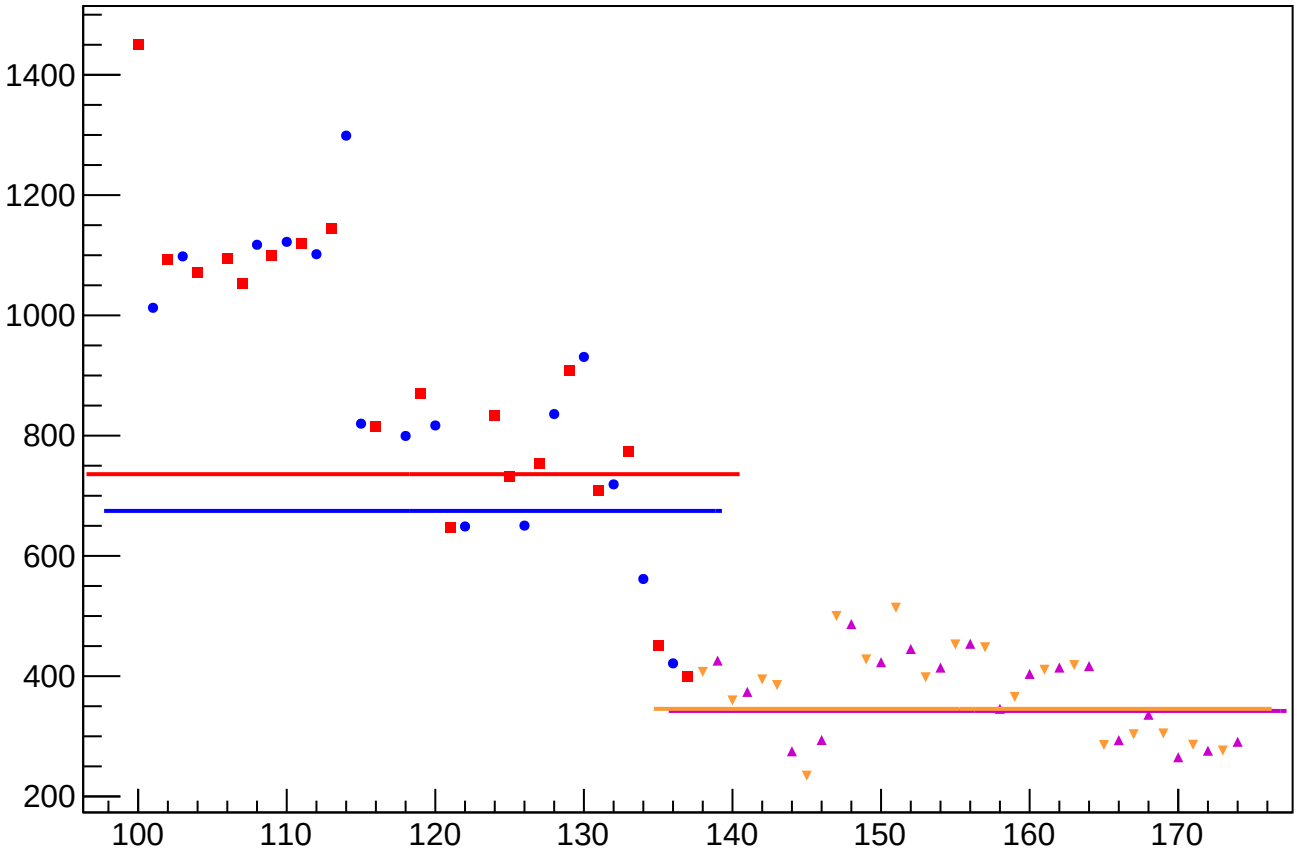
Left: 55.620+/-64.562 χ^2/NDF: 60.9/36

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 38.358+/-86.044 χ^2/NDF:51.3/33

Out: 118.227+/-87.300 χ^2/NDF:44.5/37

All: 77.714+/-61.282 χ^2/NDF: 96.2/71



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.9/18

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

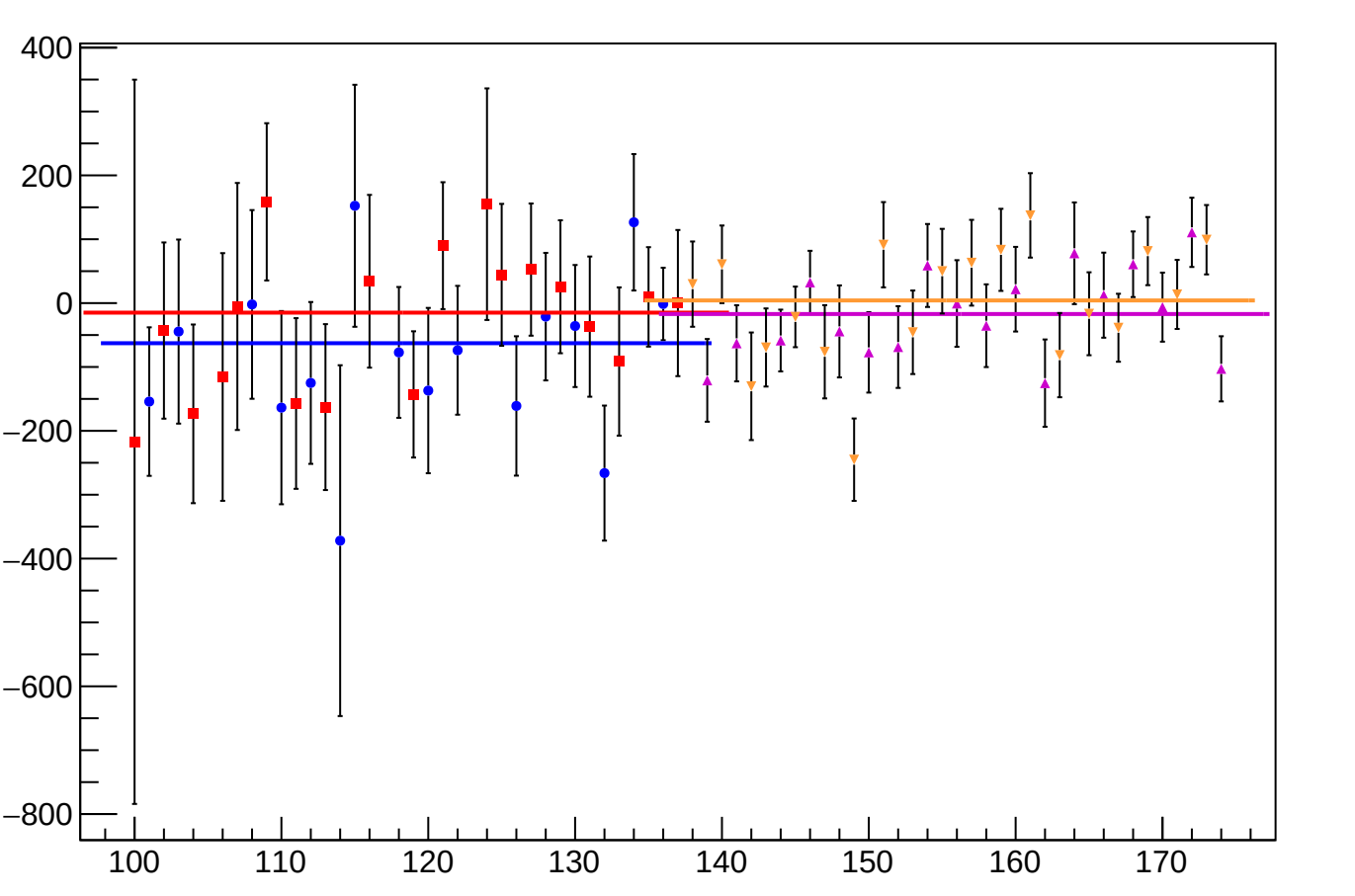
Left: 343.898+/-0.046 χ^2/NDF: 2528239.3/36

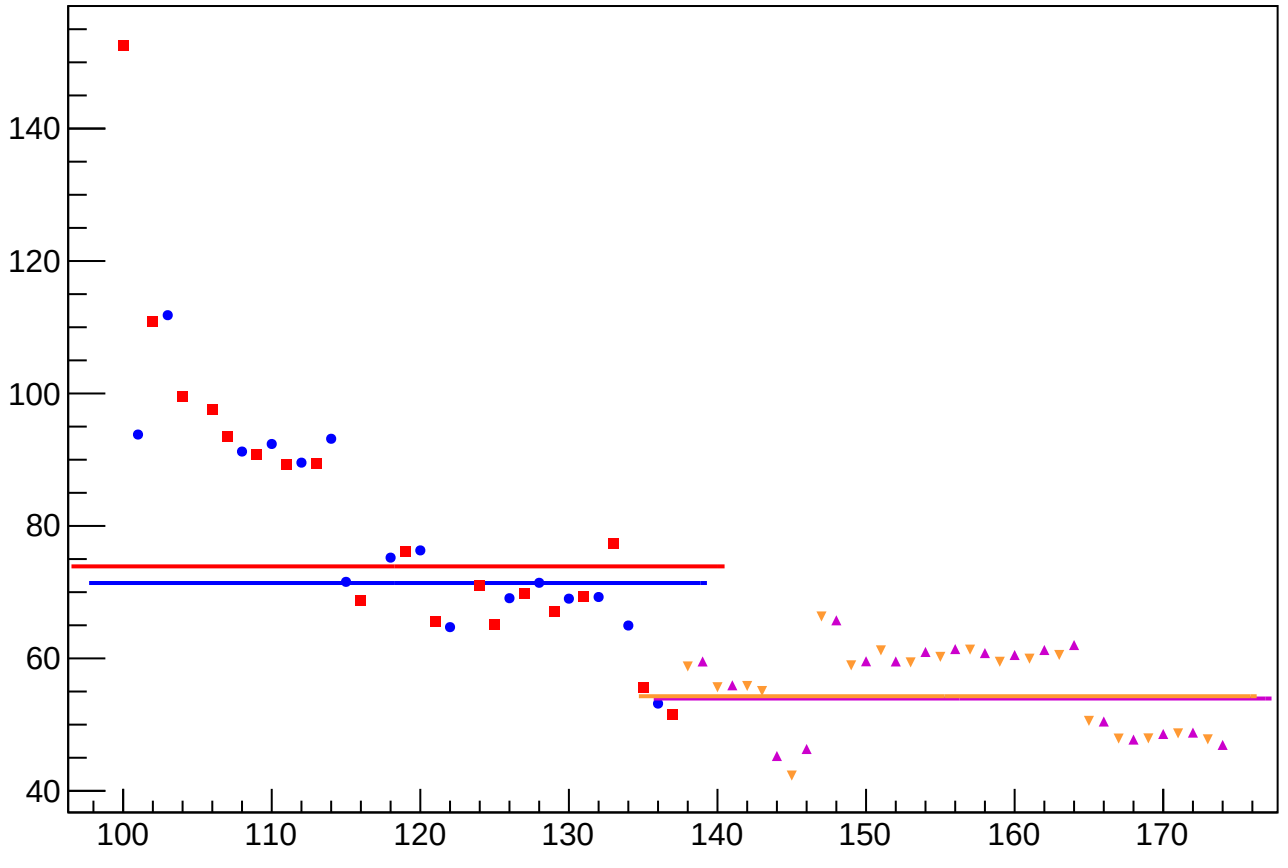
Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 376.773+/-0.061 χ^2/NDF:5524973.6/33

Out: 382.314+/-0.062 χ^2/NDF:6304211.9/37

All: 379.503+/-0.043 χ^2/NDF: 11833273.5/71


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Right In: -62.789+/-27.213 χ²/NDF: 13.5/15
Left Out: 4.165+/-14.131 χ²/NDF:38.2/18
Right Out: -14.932+/-27.783 χ²/NDF: 11.4/18
Left In: -17.084+/-14.130 χ²/NDF:23.3/17
Left: -6.460+/-9.992 χ²/NDF: 62.6/36
Right: -39.357+/-19.441 χ²/NDF: 26.4/34
In: -26.790+/-12.541 χ²/NDF:39.0/33
Out: 0.240+/-12.596 χ²/NDF:50.0/37
All: -13.334+/-8.887 χ²/NDF: 91.3/71



Right In: 71.383+/-0.019 χ^2/NDF: 590911.7/15

Left Out: 54.289+/-0.010 χ^2/NDF:435041.9/18

Right Out: 73.894+/-0.020 χ^2/NDF: 627014.3/18

Left In: 53.943+/-0.010 χ^2/NDF:457266.2/17

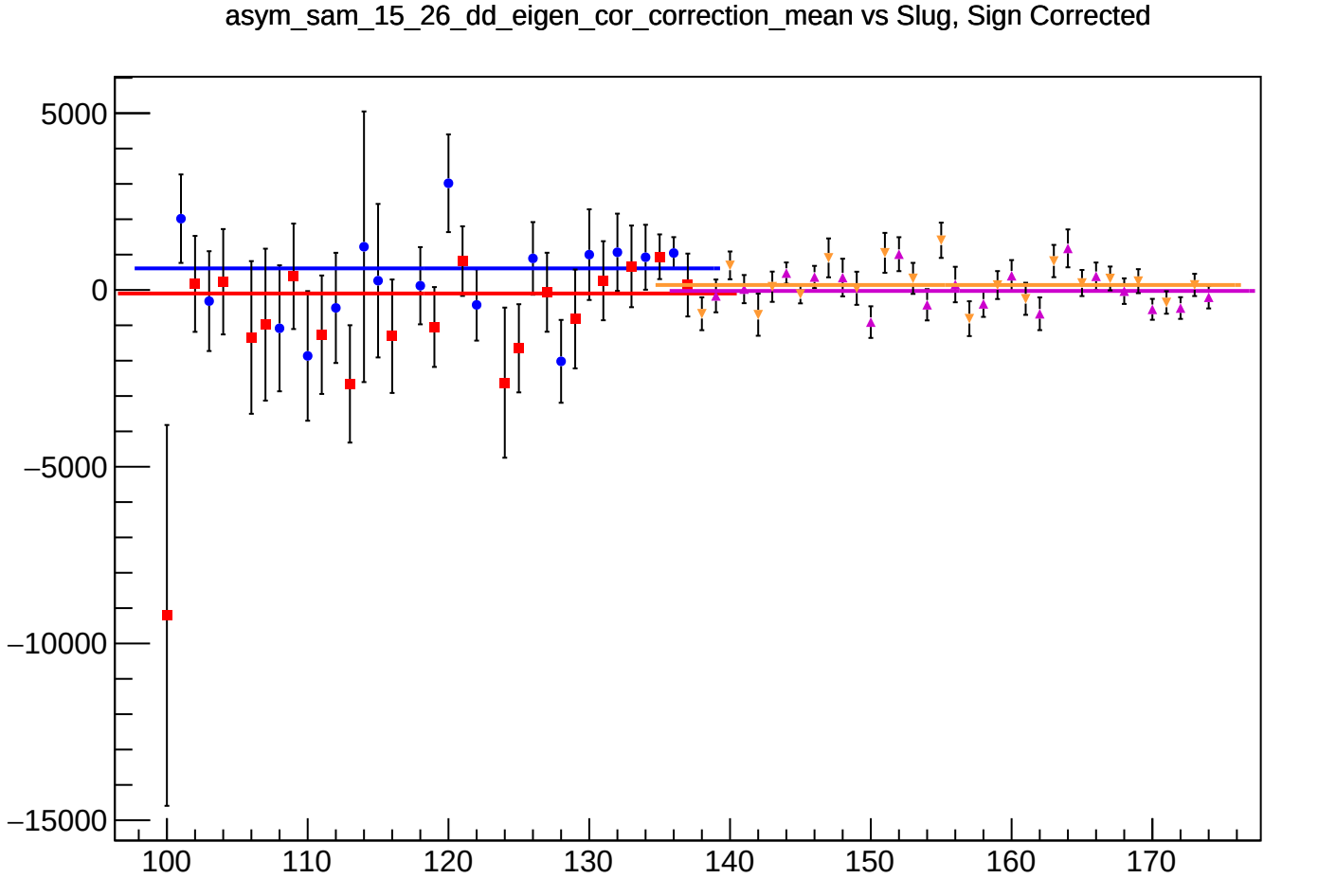
Left: 54.116+/-0.007 χ^2/NDF: 892906.6/36

Right: 72.613+/-0.014 χ^2/NDF: 1226261.8/34

In: 57.647+/-0.009 χ^2/NDF:1695179.5/33

Out: 58.318+/-0.009 χ^2/NDF:1853255.6/37

All: 57.981+/-0.006 χ^2/NDF: 3551289.9/71



Right In: 610.549+/-266.803 χ^2/NDF: 15.7/15

Left Out: 140.807+/-91.714 χ^2/NDF:28.7/18

Right Out: -99.555+/-284.831 χ^2/NDF: 15.1/18

Left In: -28.061+/-90.901 χ^2/NDF:30.5/17

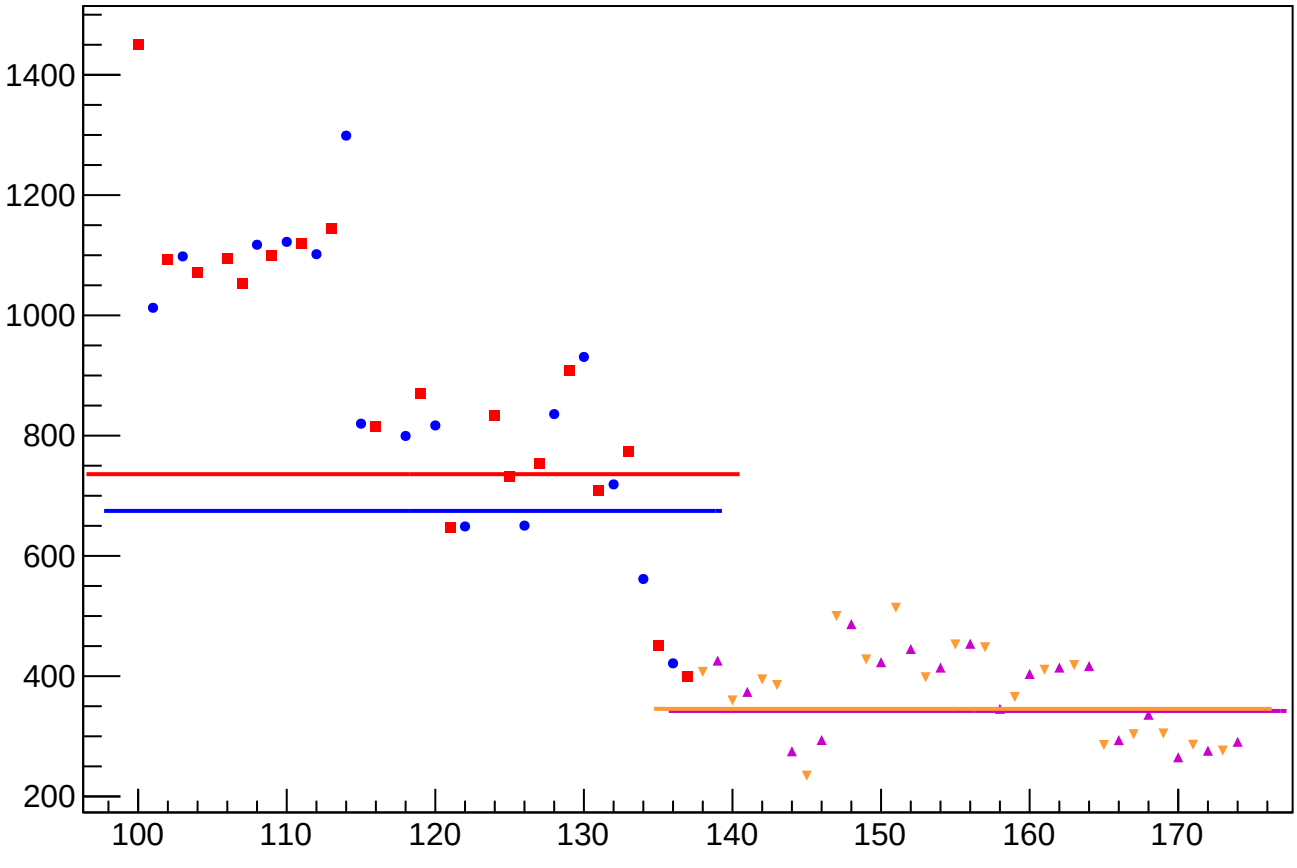
Left: 55.620+/-64.562 χ^2/NDF: 60.9/36

Right: 278.680+/-194.720 χ^2/NDF: 34.1/34

In: 38.358+/-86.044 χ^2/NDF:51.3/33

Out: 118.227+/-87.300 χ^2/NDF:44.5/37

All: 77.714+/-61.282 χ^2/NDF: 96.2/71



Right In: 674.831+/-0.189 χ^2/NDF: 1617624.1/15

Left Out: 345.652+/-0.065 χ^2/NDF:1405219.9/18

Right Out: 735.919+/-0.201 χ^2/NDF: 1496977.2/18

Left In: 342.174+/-0.064 χ^2/NDF:1121568.6/17

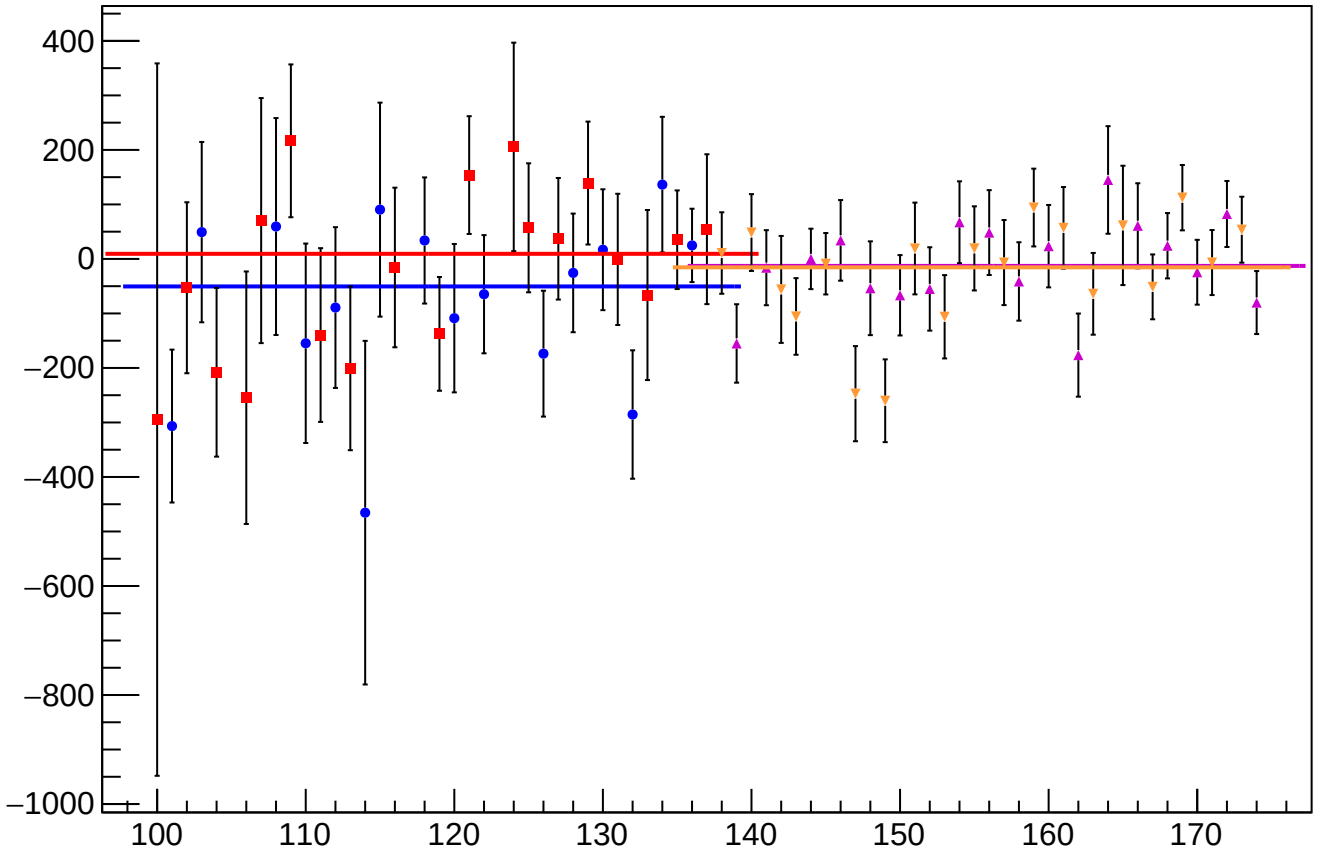
Left: 343.898+/-0.046 χ^2/NDF: 2528239.3/36

Right: 703.381+/-0.138 χ^2/NDF: 3163603.4/34

In: 376.773+/-0.061 χ^2/NDF:5524973.6/33

Out: 382.314+/-0.062 χ^2/NDF:6304211.9/37

All: 379.503+/-0.043 χ^2/NDF: 11833273.5/71



Right In: -50.465+/-31.061 χ^2/NDF: 16.4/15

Left Out: -15.419+/-16.436 χ^2/NDF:32.5/18

Right Out: 9.380+/-31.235 χ^2/NDF: 15.6/18

Left In: -12.805+/-16.474 χ^2/NDF:19.9/17

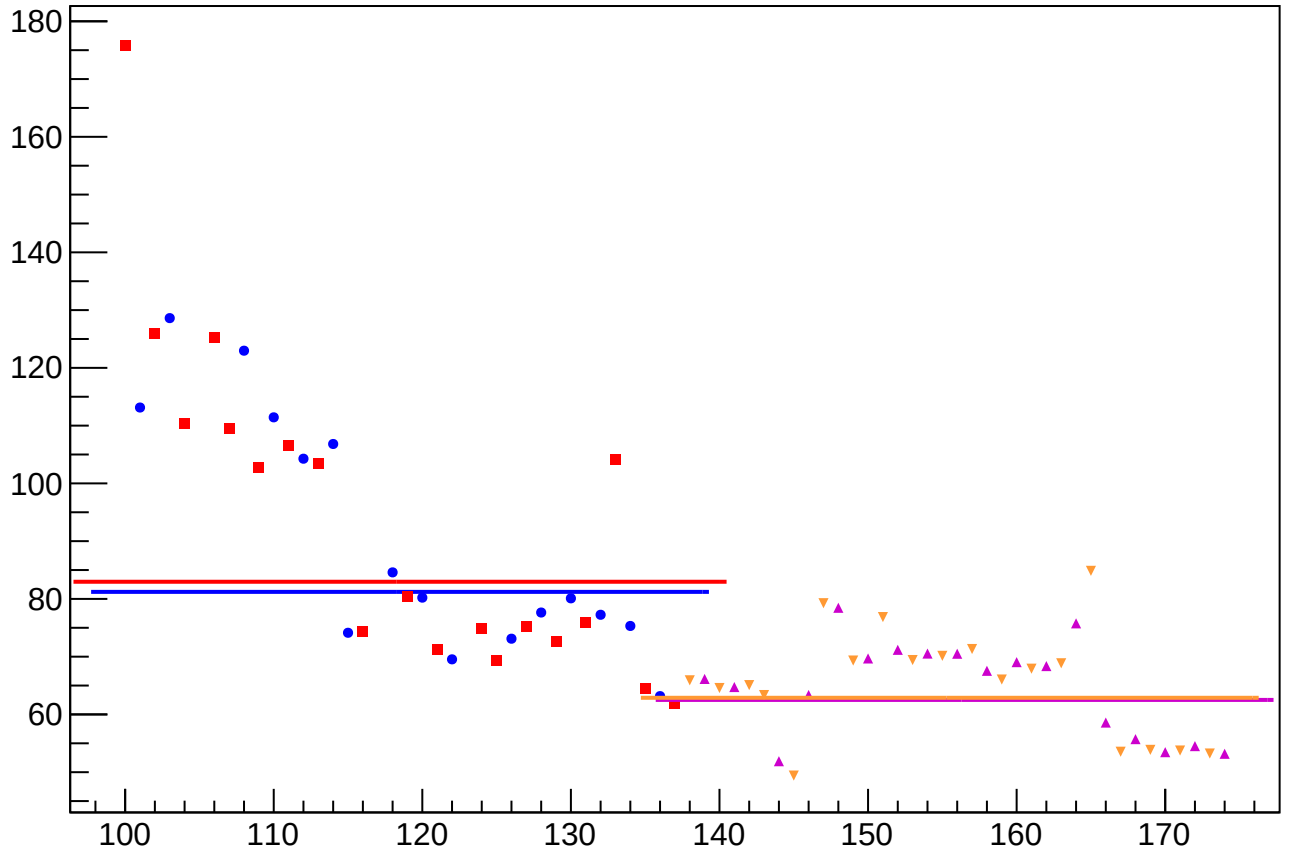
Left: -14.115+/-11.635 χ^2/NDF: 52.3/36

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.073+/-14.554 χ^2/NDF:37.4/33

Out: -10.041+/-14.545 χ^2/NDF:48.5/37

All: -15.554+/-10.288 χ^2/NDF: 86.2/71



Right In: 81.218+/-0.022 χ^2/NDF: 662873.6/15

Left Out: 62.881+/-0.012 χ^2/NDF:613926.4/18

Right Out: 82.971+/-0.022 χ^2/NDF: 730384.9/18

Left In: 62.513+/-0.012 χ^2/NDF:474752.0/17

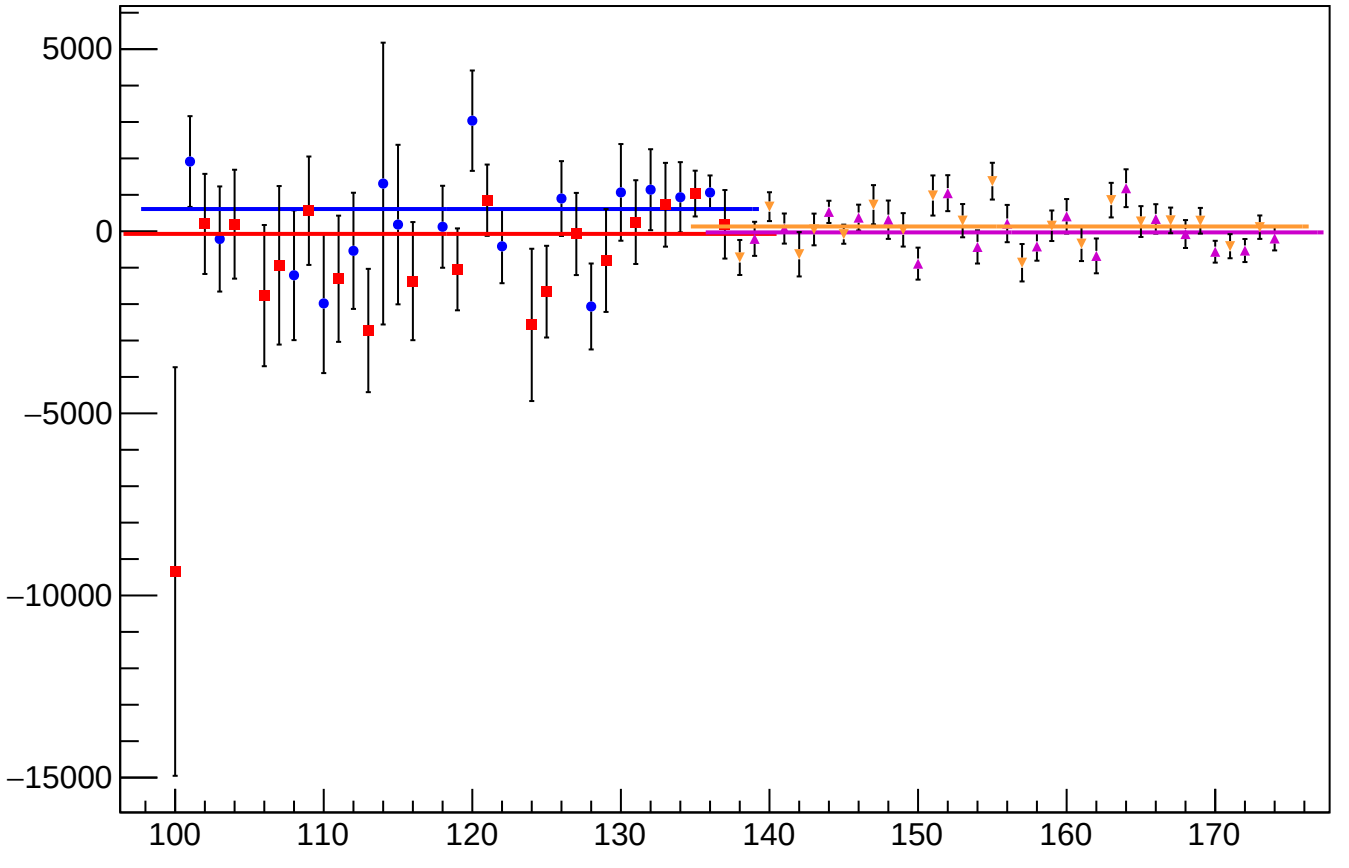
Left: 62.698+/-0.008 χ^2/NDF: 1089179.2/36

Right: 82.090+/-0.016 χ^2/NDF: 1396425.1/34

In: 66.620+/-0.010 χ^2/NDF:1703675.5/33

Out: 67.238+/-0.010 χ^2/NDF:1992263.1/37

All: 66.929+/-0.007 χ^2/NDF: 3697743.6/71



Right In: 610.383+/-273.982 χ^2/NDF: 15.8/15

Left Out: 131.186+/-94.400 χ^2/NDF:27.4/18

Right Out: -72.311+/-286.830 χ^2/NDF: 16.2/18

Left In: -31.176+/-94.096 χ^2/NDF:30.7/17

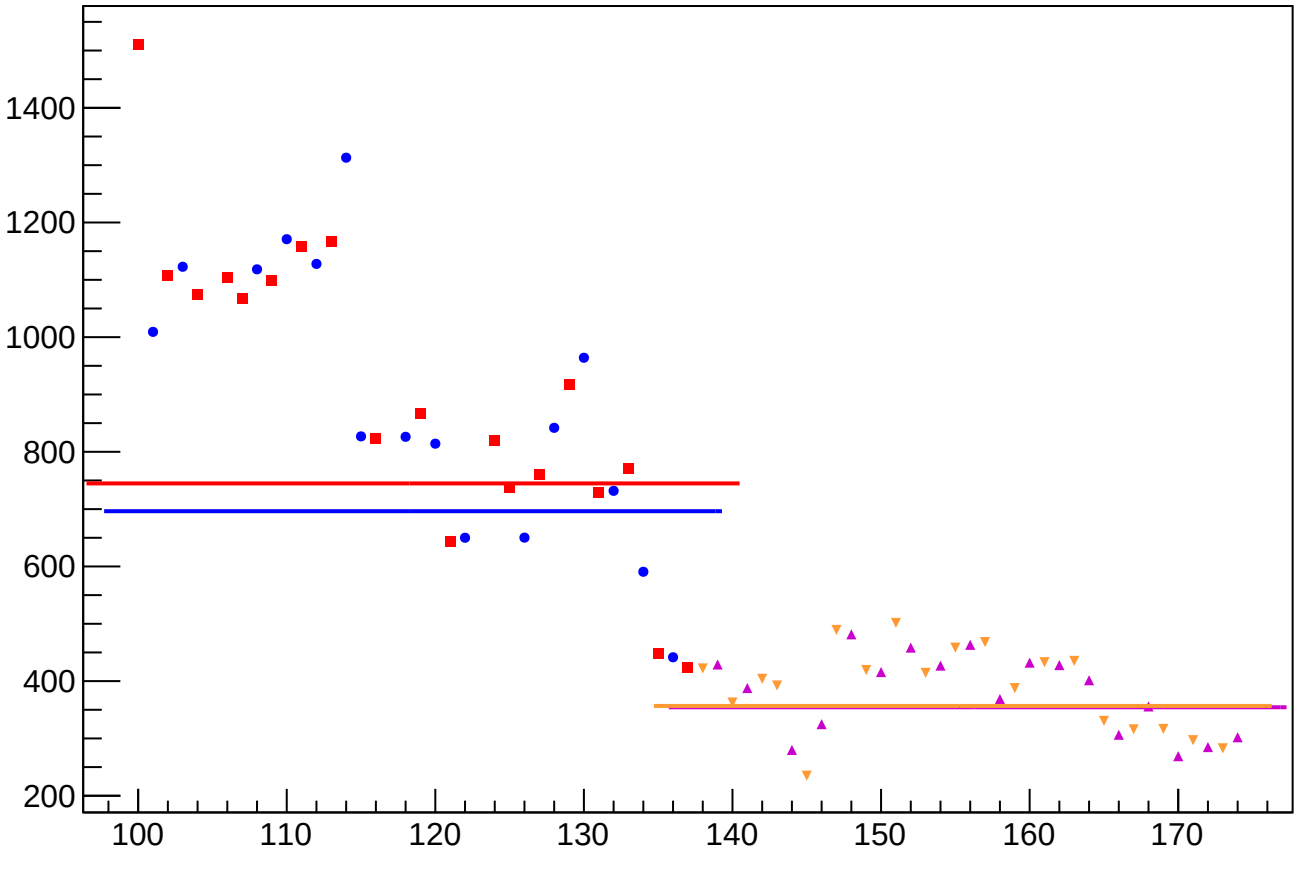
Left: 49.743+/-66.643 χ^2/NDF: 59.6/36

Right: 284.669+/-198.121 χ^2/NDF: 34.9/34

In: 36.512+/-88.994 χ^2/NDF:51.5/33

Out: 111.298+/-89.669 χ^2/NDF:44.0/37

All: 73.623+/-63.166 χ^2/NDF: 95.8/71



Right In: 696.371+/-0.194 χ^2/NDF: 1515478.0/15

Left Out: 356.678+/-0.067 χ^2/NDF:1344962.4/18

Right Out: 744.875+/-0.203 χ^2/NDF: 1498361.7/18

Left In: 354.379+/-0.067 χ^2/NDF:1040946.1/17

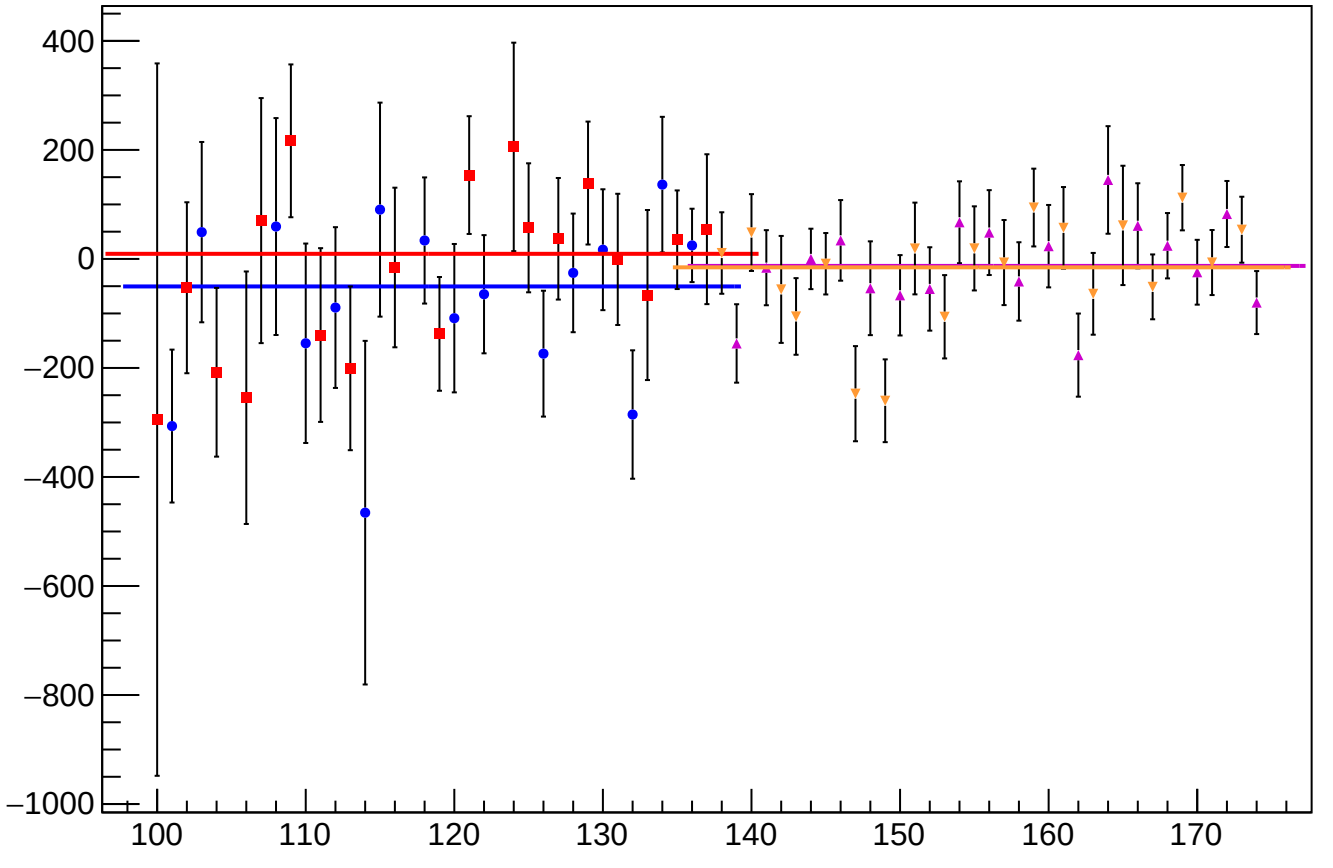
Left: 355.525+/-0.047 χ^2/NDF: 2386503.1/36

Right: 719.512+/-0.140 χ^2/NDF: 3043745.4/34

In: 390.462+/-0.063 χ^2/NDF:5343790.3/33

Out: 394.617+/-0.063 χ^2/NDF:6148703.3/37

All: 392.523+/-0.045 χ^2/NDF: 11494656.8/71



Right In: -50.466+/-31.061 χ^2/NDF: 16.4/15

Left Out: -15.418+/-16.436 χ^2/NDF:32.5/18

Right Out: 9.381+/-31.235 χ^2/NDF: 15.6/18

Left In: -12.804+/-16.474 χ^2/NDF:19.9/17

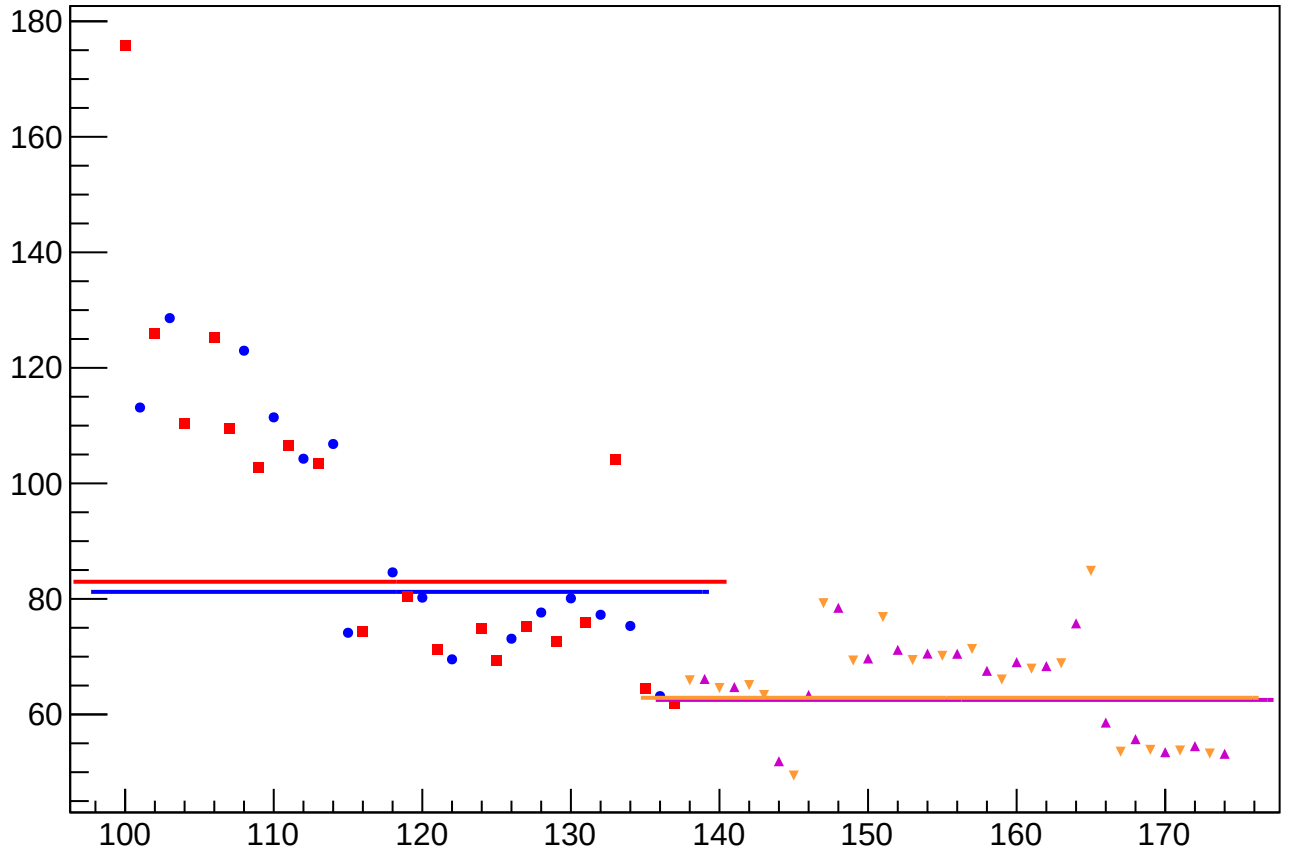
Left: -14.114+/-11.635 χ^2/NDF: 52.3/36

Right: -20.709+/-22.025 χ^2/NDF: 33.8/34

In: -21.073+/-14.554 χ^2/NDF:37.4/33

Out: -10.040+/-14.545 χ^2/NDF:48.5/37

All: -15.553+/-10.288 χ^2/NDF: 86.2/71



Right In: 81.218+/-0.022 χ^2/NDF: 662862.1/15

Left Out: 62.881+/-0.012 χ^2/NDF:613922.5/18

Right Out: 82.971+/-0.022 χ^2/NDF: 730375.6/18

Left In: 62.513+/-0.012 χ^2/NDF:474742.3/17

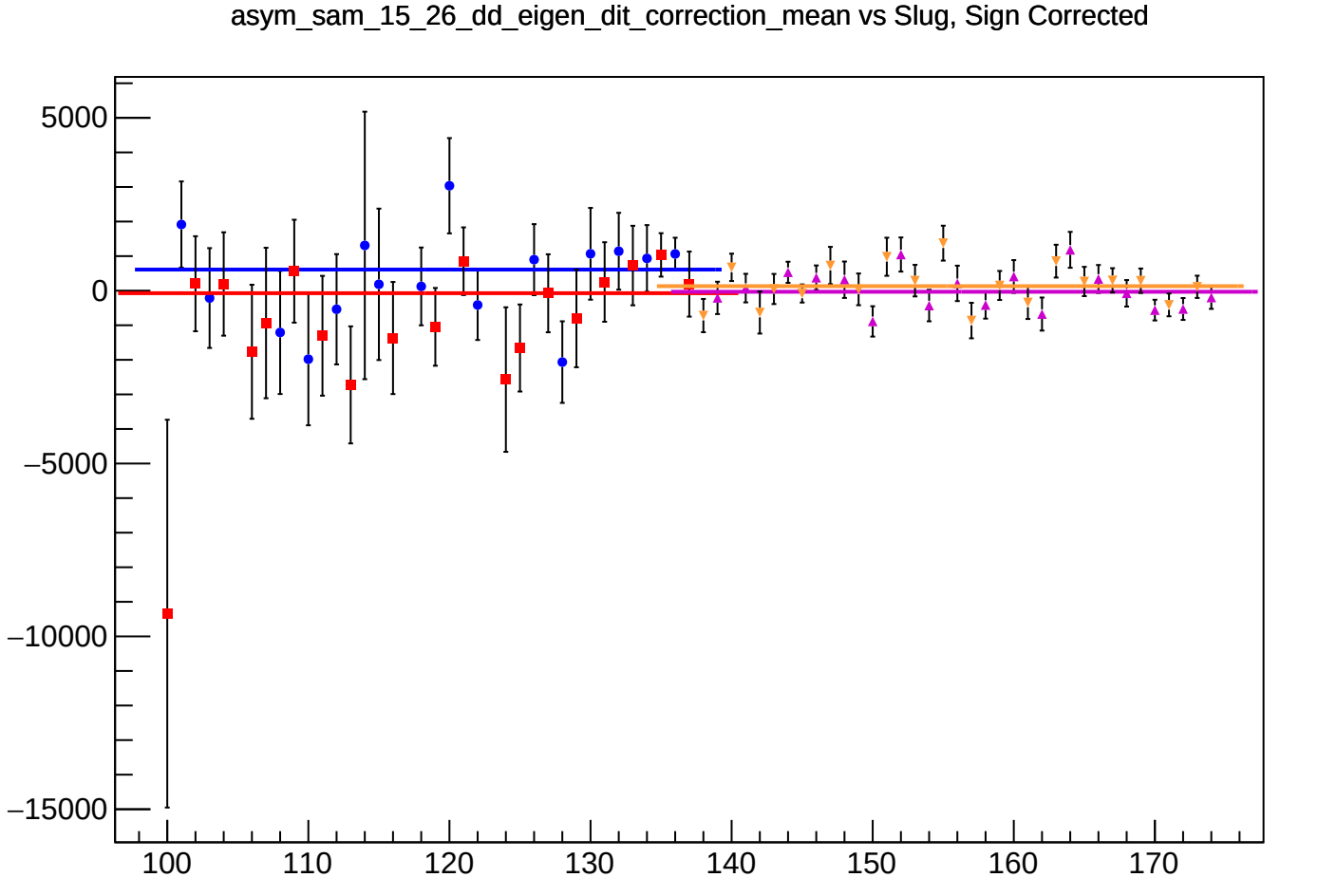
Left: 62.698+/-0.008 χ^2/NDF: 1089165.4/36

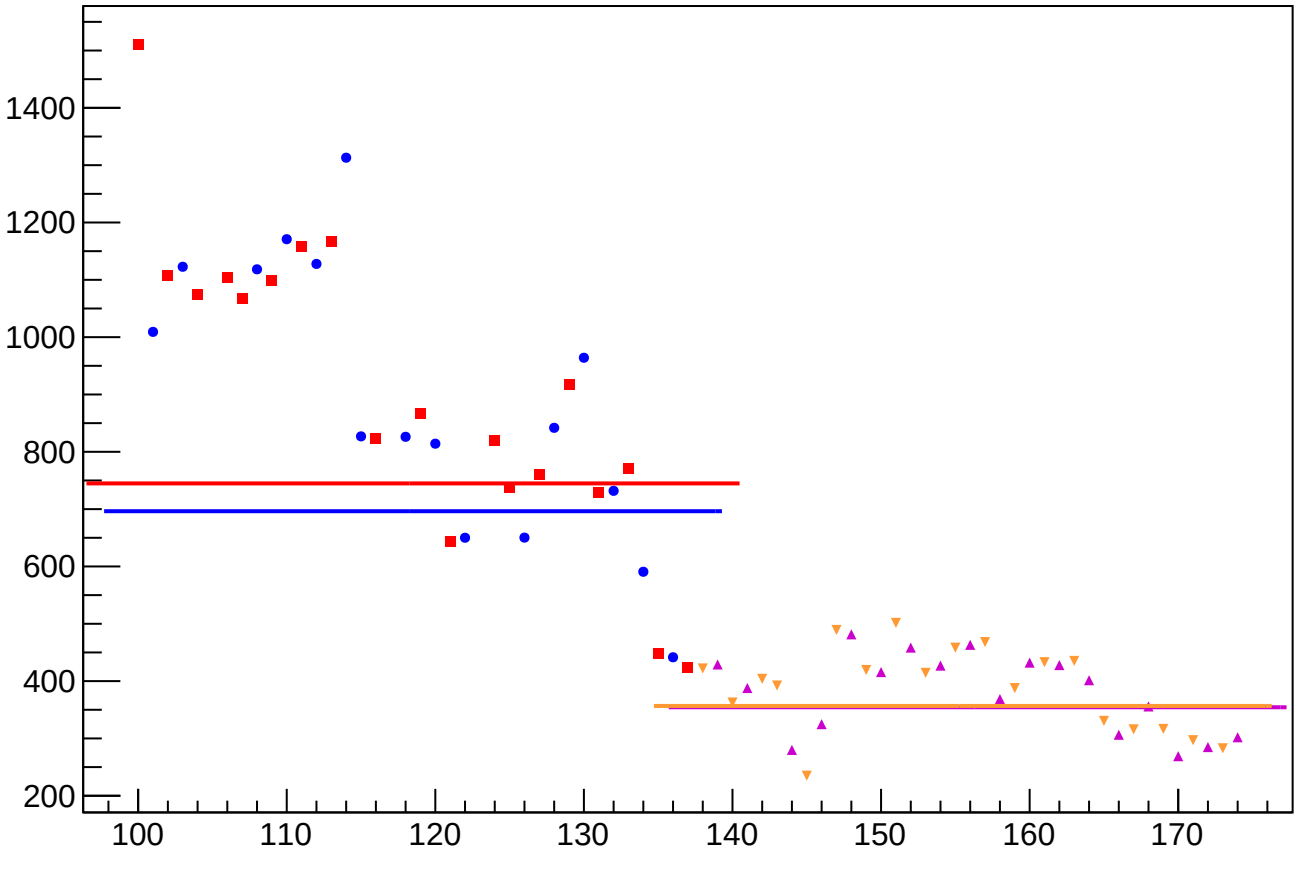
Right: 82.089+/-0.016 χ^2/NDF: 1396405.1/34

In: 66.620+/-0.010 χ^2/NDF:1703618.2/33

Out: 67.238+/-0.010 χ^2/NDF:1992225.0/37

All: 66.929+/-0.007 χ^2/NDF: 3697648.0/71


asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
110
120
130
140
150
160
170
Right In: 610.382+/-273.981 χ²/NDF: 15.8/15
Left Out: 131.187+/-94.400 χ²/NDF:27.4/18
Right Out: -72.313+/-286.830 χ²/NDF: 16.2/18
Left In: -31.176+/-94.097 χ²/NDF:30.7/17
Left: 49.743+/-66.643 χ²/NDF: 59.6/36
Right: 284.667+/-198.121 χ²/NDF: 34.9/34
In: 36.513+/-88.994 χ²/NDF:51.5/33
Out: 111.298+/-89.669 χ²/NDF:44.0/37
All: 73.623+/-63.166 χ²/NDF: 95.8/71



Right In: 696.370+/-0.194 χ^2/NDF: 1515461.8/15

Left Out: 356.678+/-0.067 χ^2/NDF:1344975.5/18

Right Out: 744.874+/-0.203 χ^2/NDF: 1498349.6/18

Left In: 354.380+/-0.067 χ^2/NDF:1040949.0/17

Left: 355.525+/-0.047 χ^2/NDF: 2386518.9/36

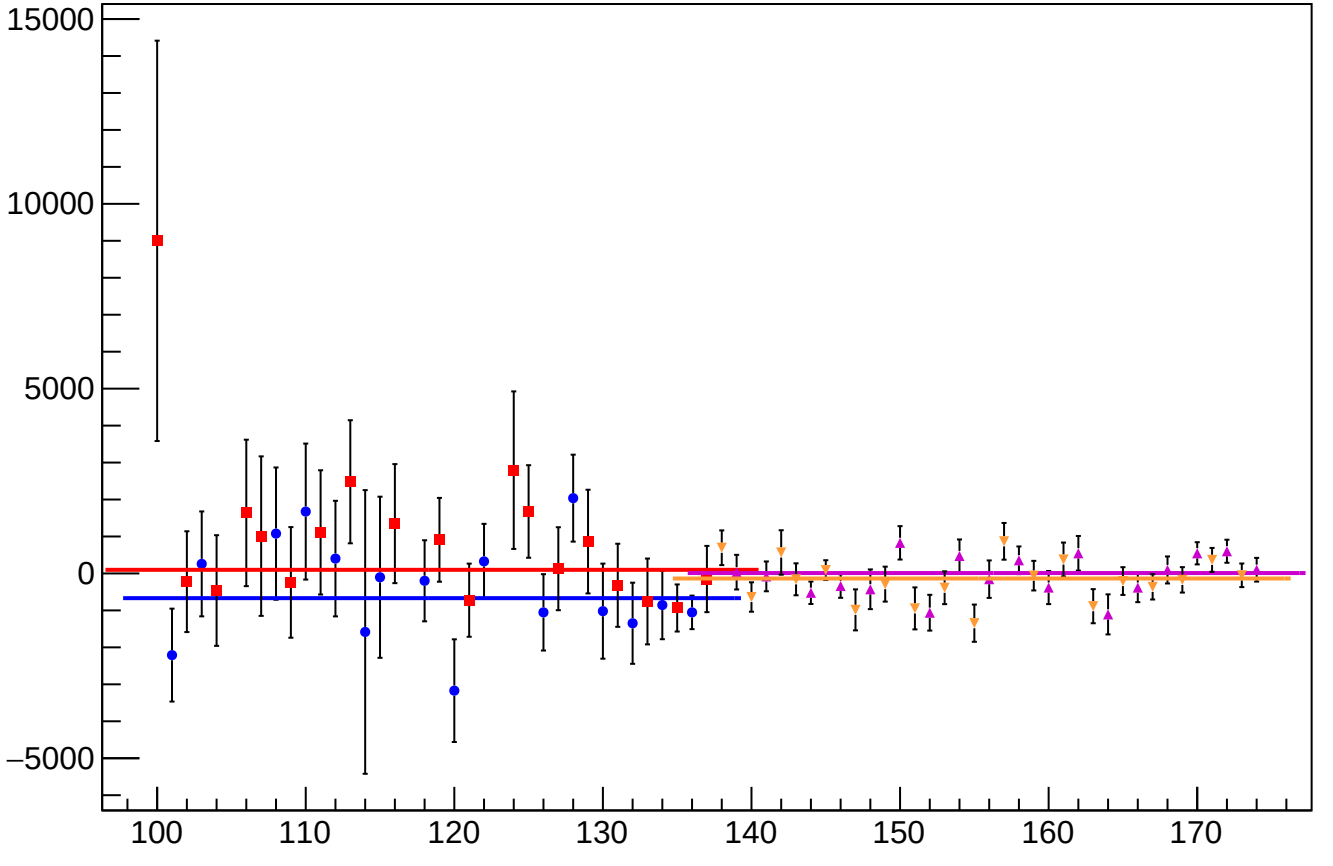
Right: 719.511+/-0.140 χ^2/NDF: 3043716.8/34

In: 390.462+/-0.063 χ^2/NDF:5343764.2/33

Out: 394.617+/-0.063 χ^2/NDF:6148692.3/37

All: 392.524+/-0.045 χ^2/NDF: 11494619.4/71

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -668.503+/-268.452 χ^2/NDF: 16.1/15

Left Out: -136.611+/-92.863 χ^2/NDF:28.4/18

Right Out: 98.003+/-285.882 χ^2/NDF: 14.8/18

Left In: 10.794+/-92.062 χ^2/NDF:29.4/17

Left: -62.270+/-65.379 χ^2/NDF: 59.1/36

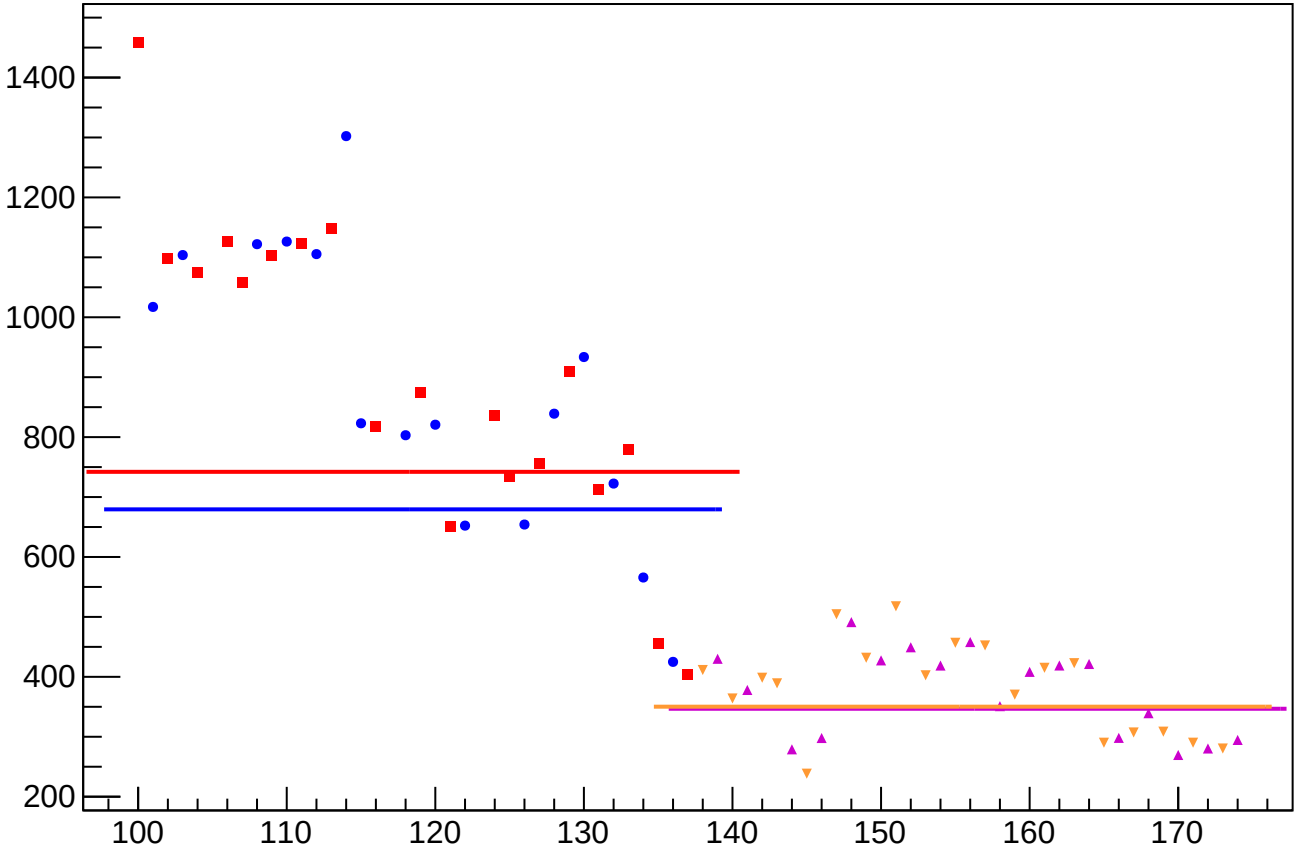
Right: -309.326+/-195.696 χ^2/NDF: 34.8/34

In: -60.688+/-87.083 χ^2/NDF:51.3/33

Out: -114.219+/-88.320 χ^2/NDF:43.8/37

All: -87.076+/-62.010 χ^2/NDF: 95.3/71

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 679.469+/-0.190 χ^2/NDF: 1600922.1/15

Left Out: 350.201+/-0.066 χ^2/NDF:1375273.4/18

Right Out: 742.081+/-0.202 χ^2/NDF: 1504391.2/18

Left In: 346.725+/-0.065 χ^2/NDF:1098148.8/17

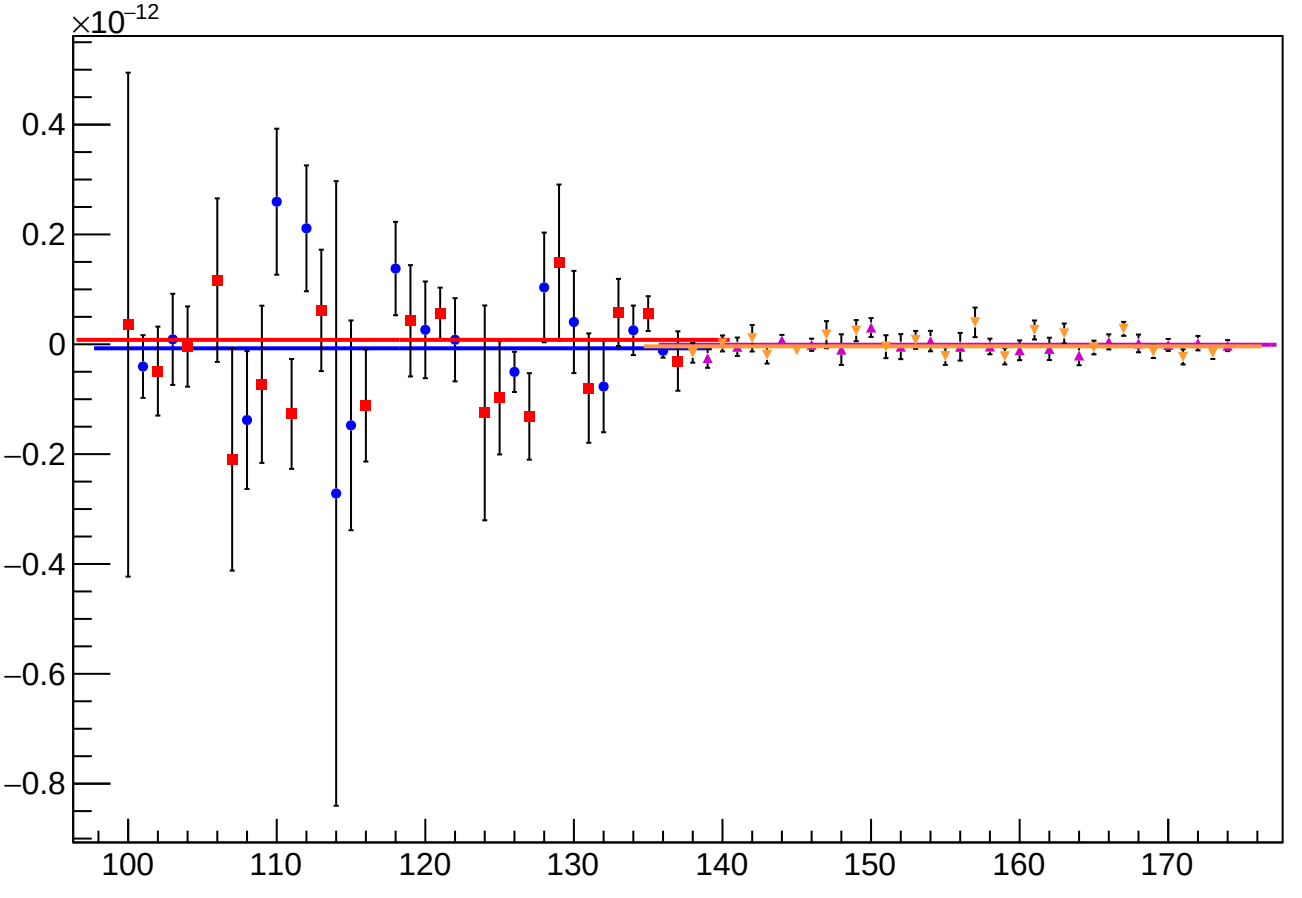
Left: 348.448+/-0.046 χ^2/NDF: 2474835.5/36

Right: 708.808+/-0.138 χ^2/NDF: 3156293.3/34

In: 381.739+/-0.062 χ^2/NDF:5448401.2/33

Out: 387.604+/-0.062 χ^2/NDF:6279030.2/37

All: 384.630+/-0.044 χ^2/NDF: 11731902.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 17.2/15

Left Out: -0.000+/-0.000 χ^2/NDF:26.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.0/18

Left In: -0.000+/-0.000 χ^2/NDF:8.1/17

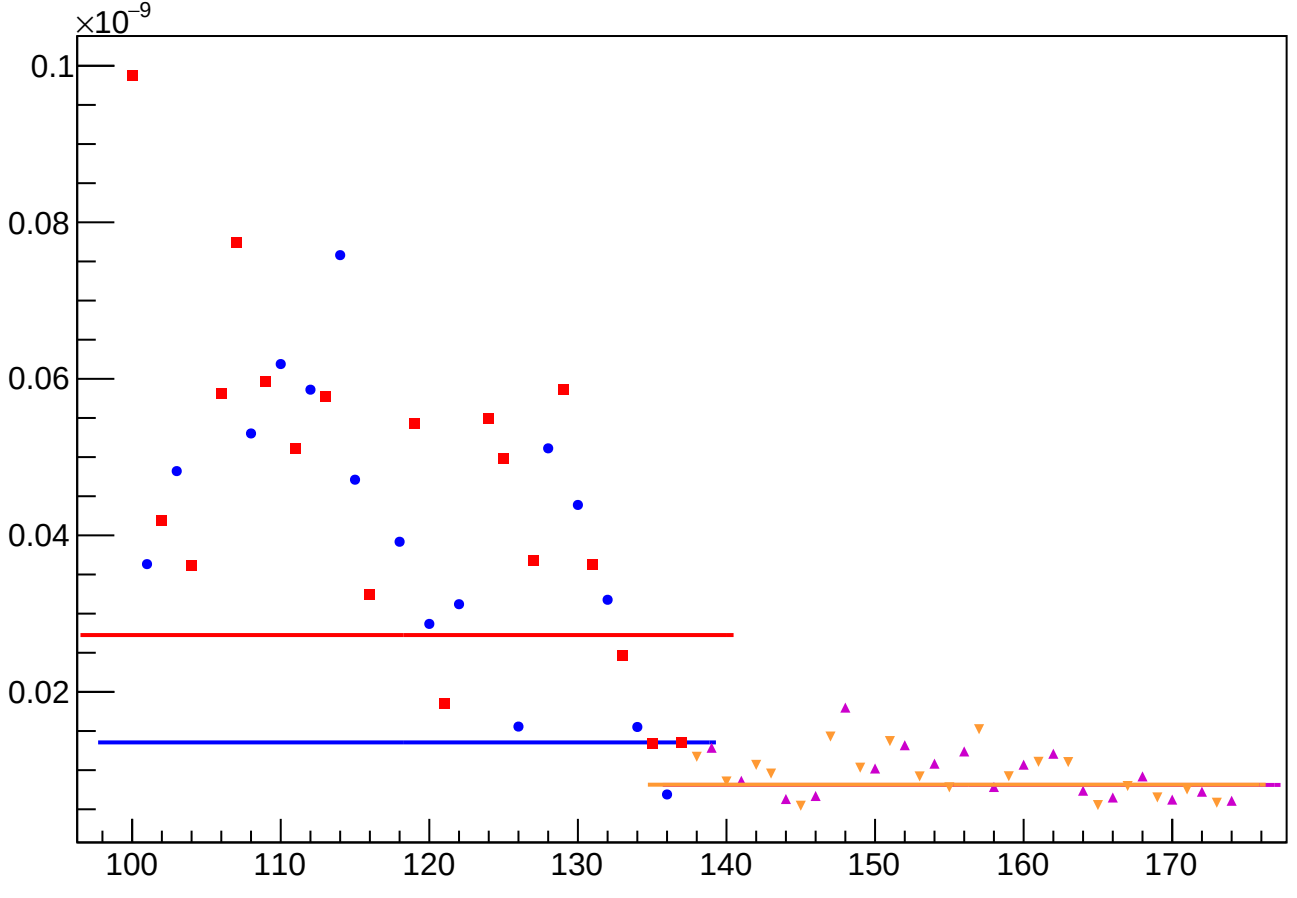
Left: -0.000+/-0.000 χ^2/NDF: 34.7/36

Right: -0.000+/-0.000 χ^2/NDF: 34.8/34

In: -0.000+/-0.000 χ^2/NDF:25.7/33

Out: -0.000+/-0.000 χ^2/NDF:43.7/37

All: -0.000+/-0.000 χ^2/NDF: 69.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 3045220.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1085848.1/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1735739.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1031863.1/17

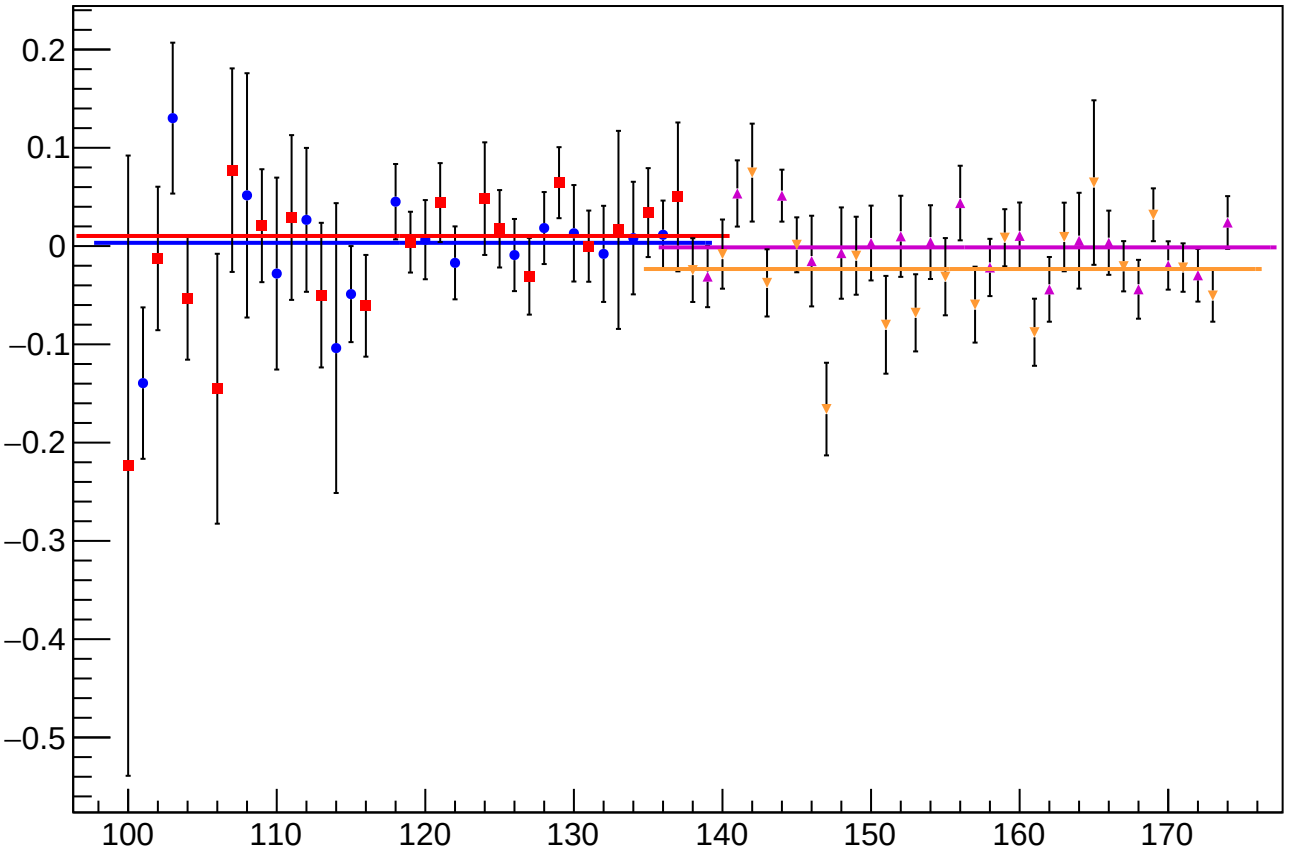
Left: 0.000+/-0.000 χ^2/NDF: 2117796.5/36

Right: 0.000+/-0.000 χ^2/NDF: 5700569.4/34

In: 0.000+/-0.000 χ^2/NDF:4563540.7/33

Out: 0.000+/-0.000 χ^2/NDF:5169159.4/37

All: 0.000+/-0.000 χ^2/NDF: 9736363.1/71



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/17

Left: -0.012+/-0.005 χ^2/NDF: 49.9/36

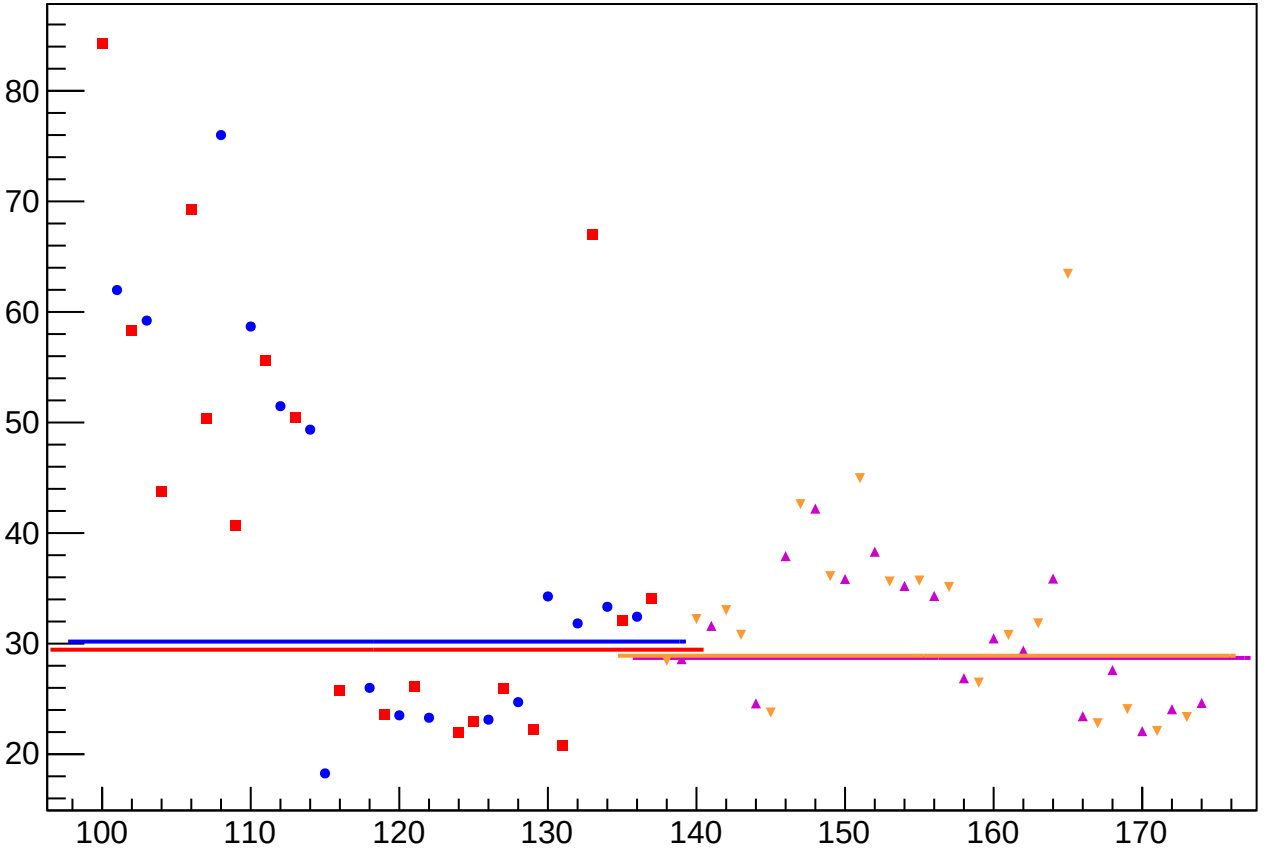
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.000+/-0.007 χ^2/NDF:26.3/33

Out: -0.013+/-0.006 χ^2/NDF:46.7/37

All: -0.007+/-0.005 χ^2/NDF: 75.1/71

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: 28.910+/-0.005 χ^2/NDF:1512083.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

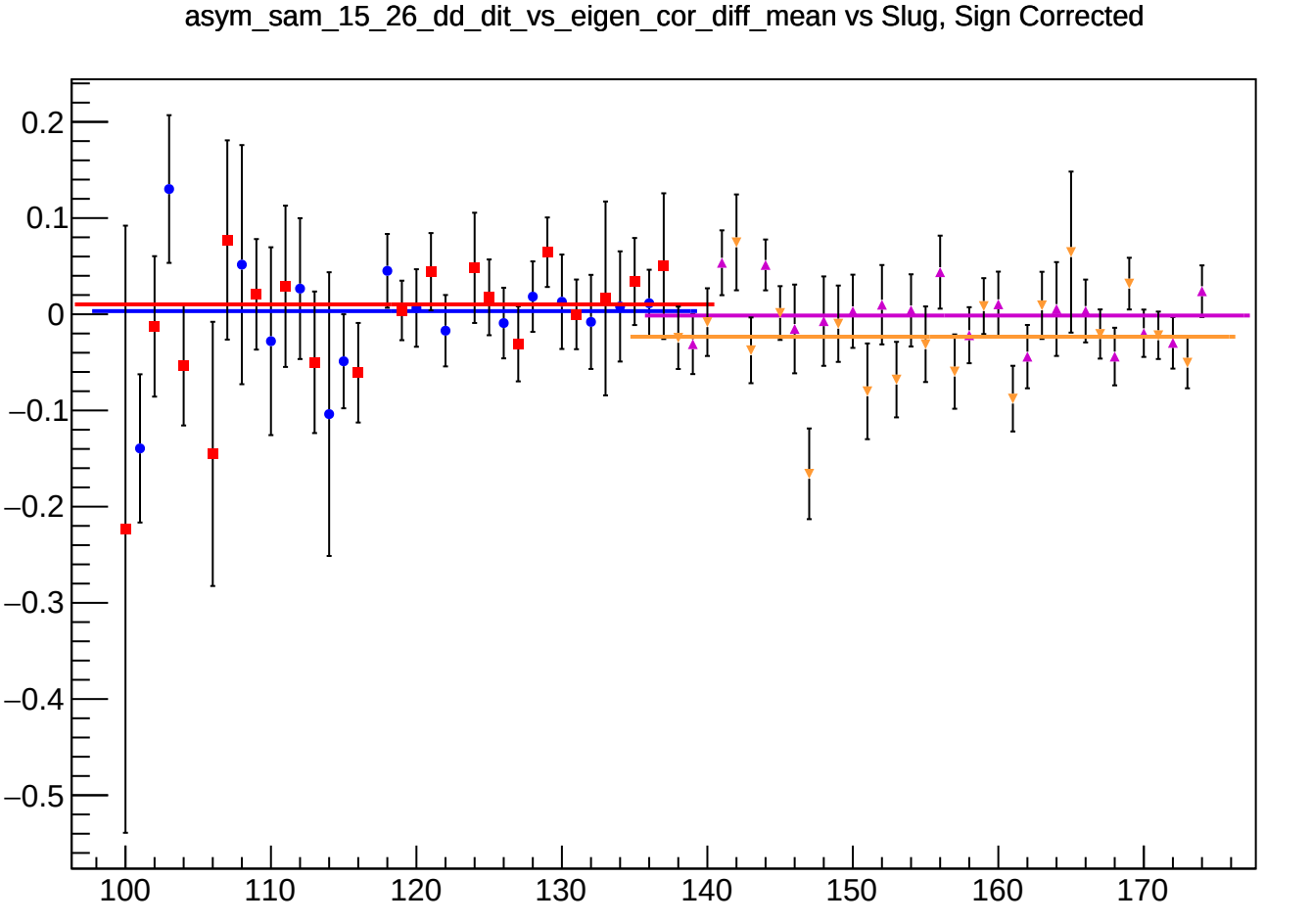
Left: 28.808+/-0.004 χ^2/NDF: 2470235.6/36

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.125+/-0.005 χ^2/NDF:2665656.1/33

Out: 29.072+/-0.005 χ^2/NDF:3363663.3/37

All: 29.099+/-0.003 χ^2/NDF: 6029386.7/71



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/17

Left: -0.012+/-0.005 χ^2/NDF: 49.9/36

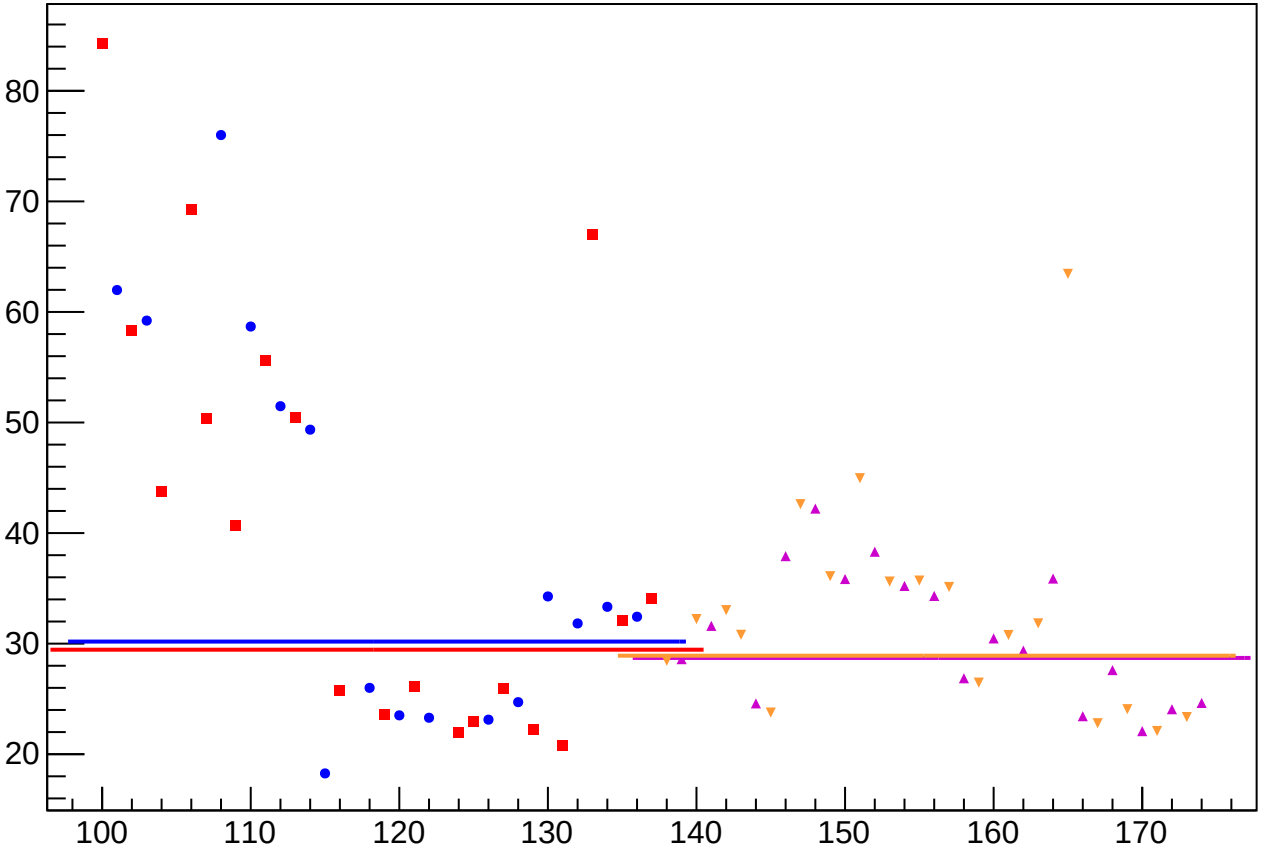
Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.000+/-0.007 χ^2/NDF:26.3/33

Out: -0.013+/-0.006 χ^2/NDF:46.7/37

All: -0.007+/-0.005 χ^2/NDF: 75.1/71

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.187+/-0.009 χ^2/NDF: 1687373.5/15

Left Out: 28.910+/-0.005 χ^2/NDF:1512083.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848636.5/18

Left In: 28.707+/-0.005 χ^2/NDF:957464.9/17

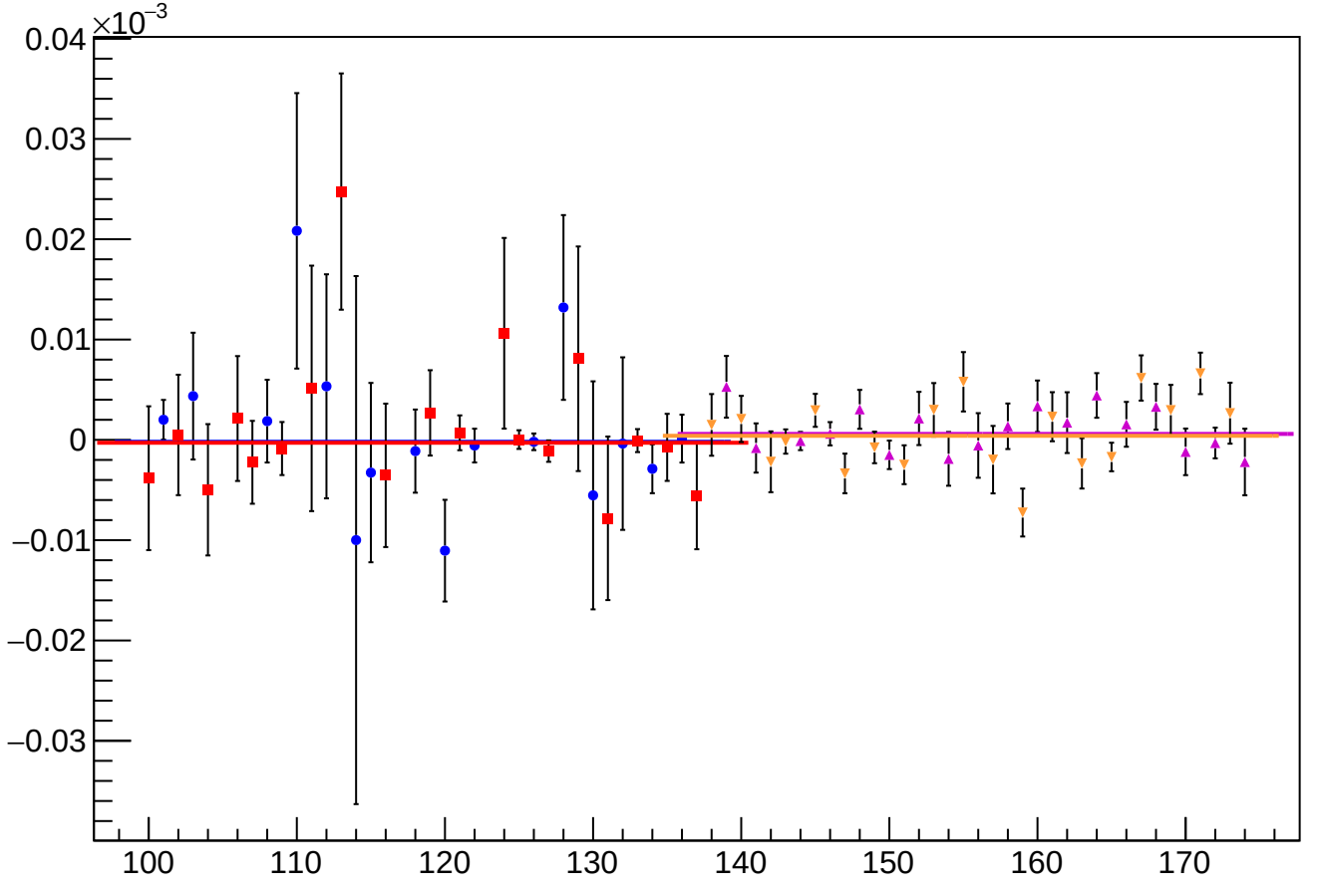
Left: 28.808+/-0.004 χ^2/NDF: 2470235.6/36

Right: 29.805+/-0.006 χ^2/NDF: 3539732.7/34

In: 29.125+/-0.005 χ^2/NDF:2665656.1/33

Out: 29.072+/-0.005 χ^2/NDF:3363663.3/37

All: 29.099+/-0.003 χ^2/NDF: 6029386.7/71



Right In: -0.000+/-0.000 χ^2/NDF: 13.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:46.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 11.4/18

Left In: 0.000+/-0.000 χ^2/NDF:16.0/17

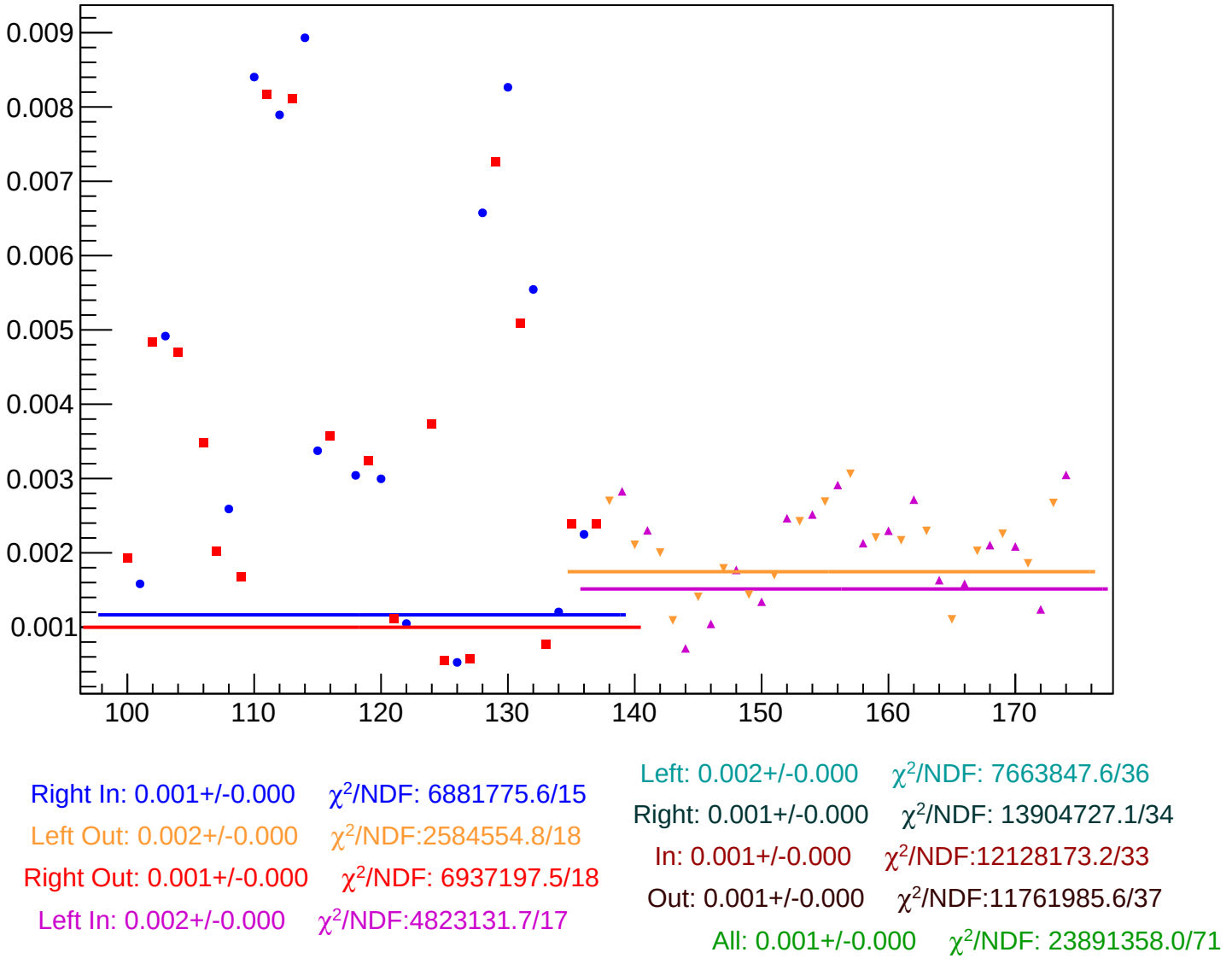
Left: 0.000+/-0.000 χ^2/NDF: 62.6/36

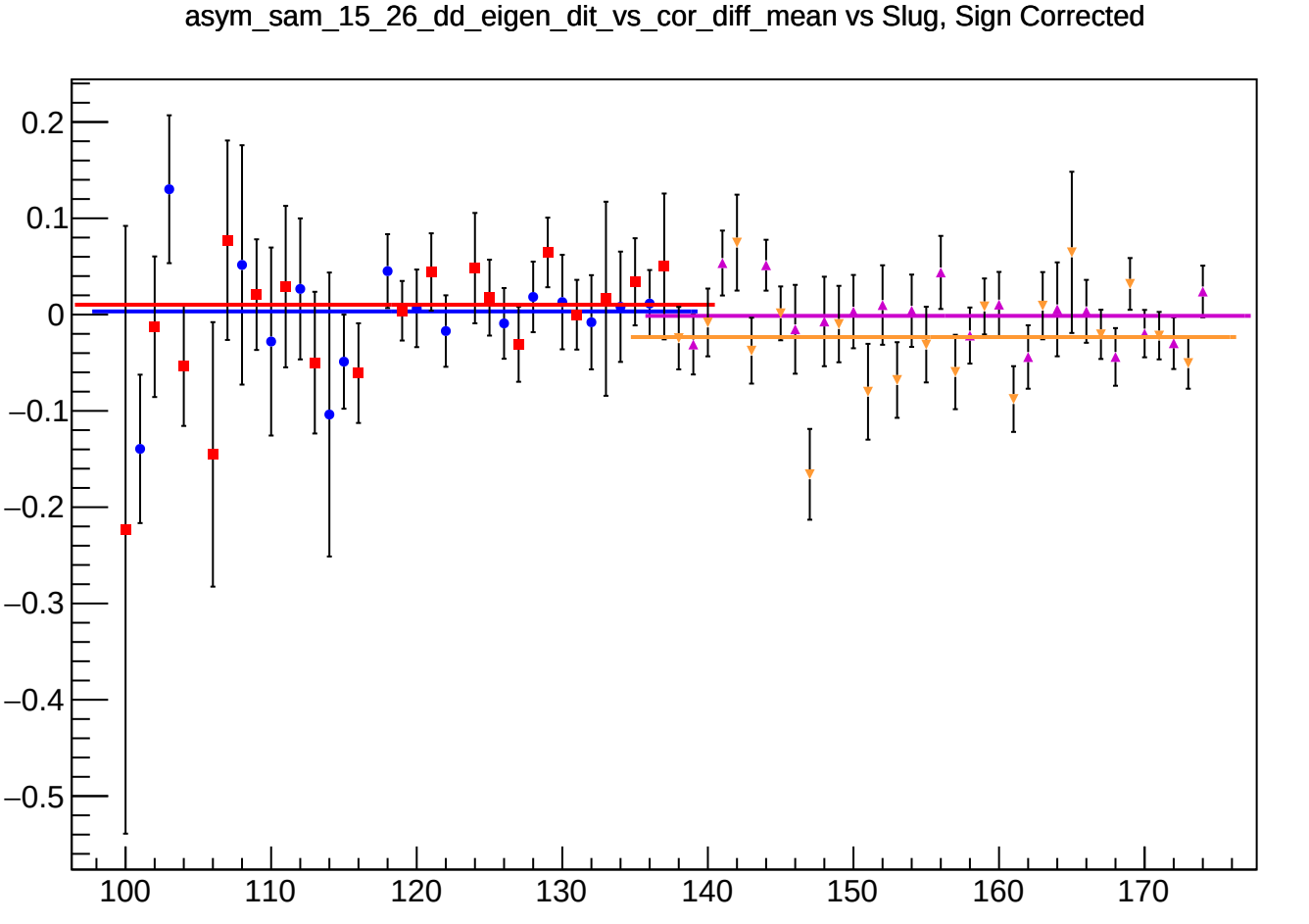
Right: -0.000+/-0.000 χ^2/NDF: 24.6/34

In: 0.000+/-0.000 χ^2/NDF:30.1/33

Out: 0.000+/-0.000 χ^2/NDF:58.9/37

All: 0.000+/-0.000 χ^2/NDF: 89.3/71


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
110
120
130
140
150
160
170
Right In: 0.001+/-0.000 χ²/NDF: 6881775.6/15
Left Out: 0.002+/-0.000 χ²/NDF:2584554.8/18
Right Out: 0.001+/-0.000 χ²/NDF: 6937197.5/18
Left In: 0.002+/-0.000 χ²/NDF:4823131.7/17
Left: 0.002+/-0.000 χ²/NDF: 7663847.6/36
Right: 0.001+/-0.000 χ²/NDF: 13904727.1/34
In: 0.001+/-0.000 χ²/NDF:12128173.2/33
Out: 0.001+/-0.000 χ²/NDF:11761985.6/37
All: 0.001+/-0.000 χ²/NDF: 23891358.0/71



Right In: 0.003+/-0.012 χ^2/NDF: 10.1/15

Left Out: -0.023+/-0.008 χ^2/NDF:29.8/18

Right Out: 0.010+/-0.012 χ^2/NDF: 11.2/18

Left In: -0.001+/-0.008 χ^2/NDF:16.1/17

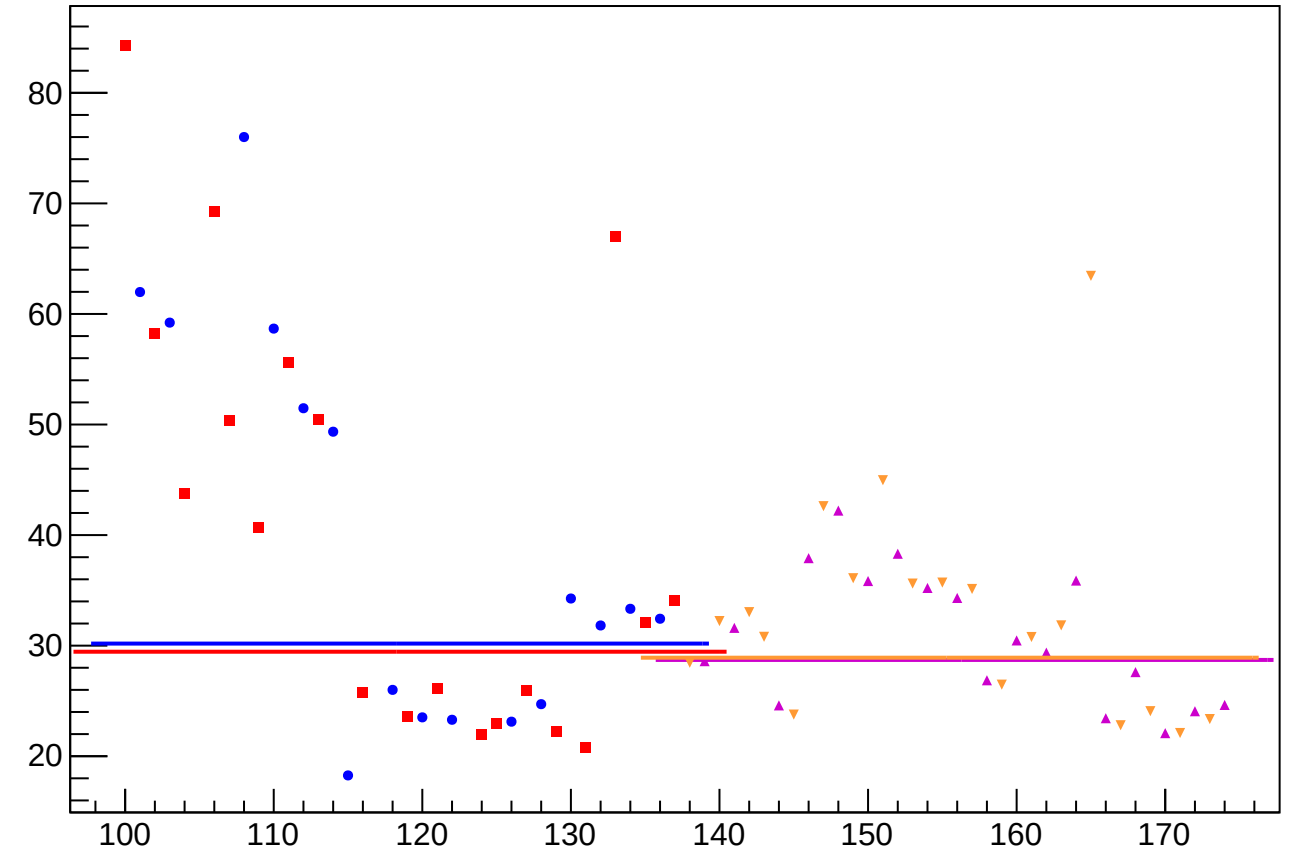
Left: -0.012+/-0.005 χ^2/NDF: 49.9/36

Right: 0.007+/-0.009 χ^2/NDF: 21.5/34

In: -0.000+/-0.007 χ^2/NDF:26.3/33

Out: -0.013+/-0.006 χ^2/NDF:46.7/37

All: -0.007+/-0.005 χ^2/NDF: 75.1/71



Right In: 30.187+/-0.009 χ^2/NDF: 1687188.2/15

Left Out: 28.910+/-0.005 χ^2/NDF:1512068.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.708+/-0.005 χ^2/NDF:957423.9/17

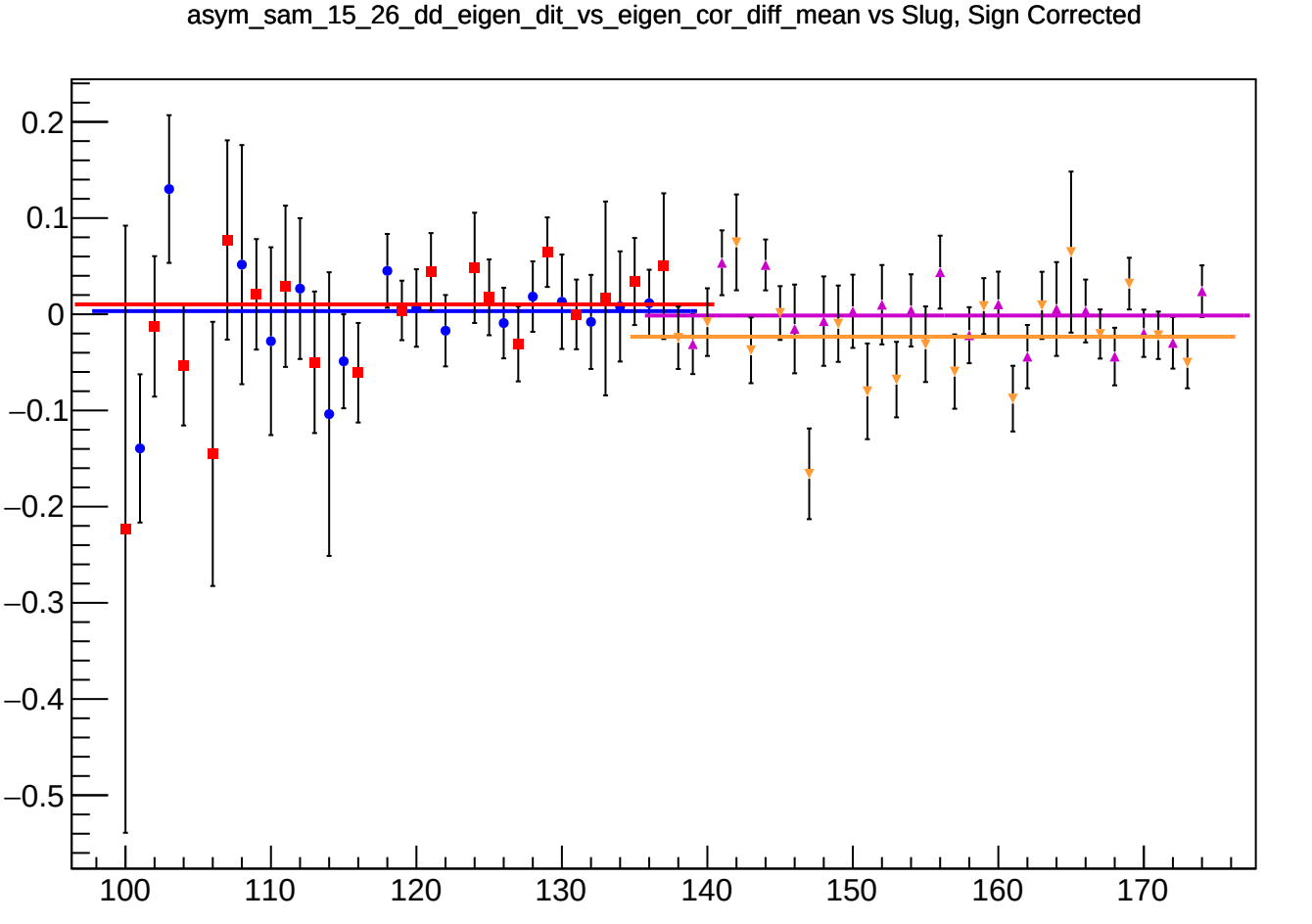
Left: 28.809+/-0.004 χ^2/NDF: 2470178.8/36

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

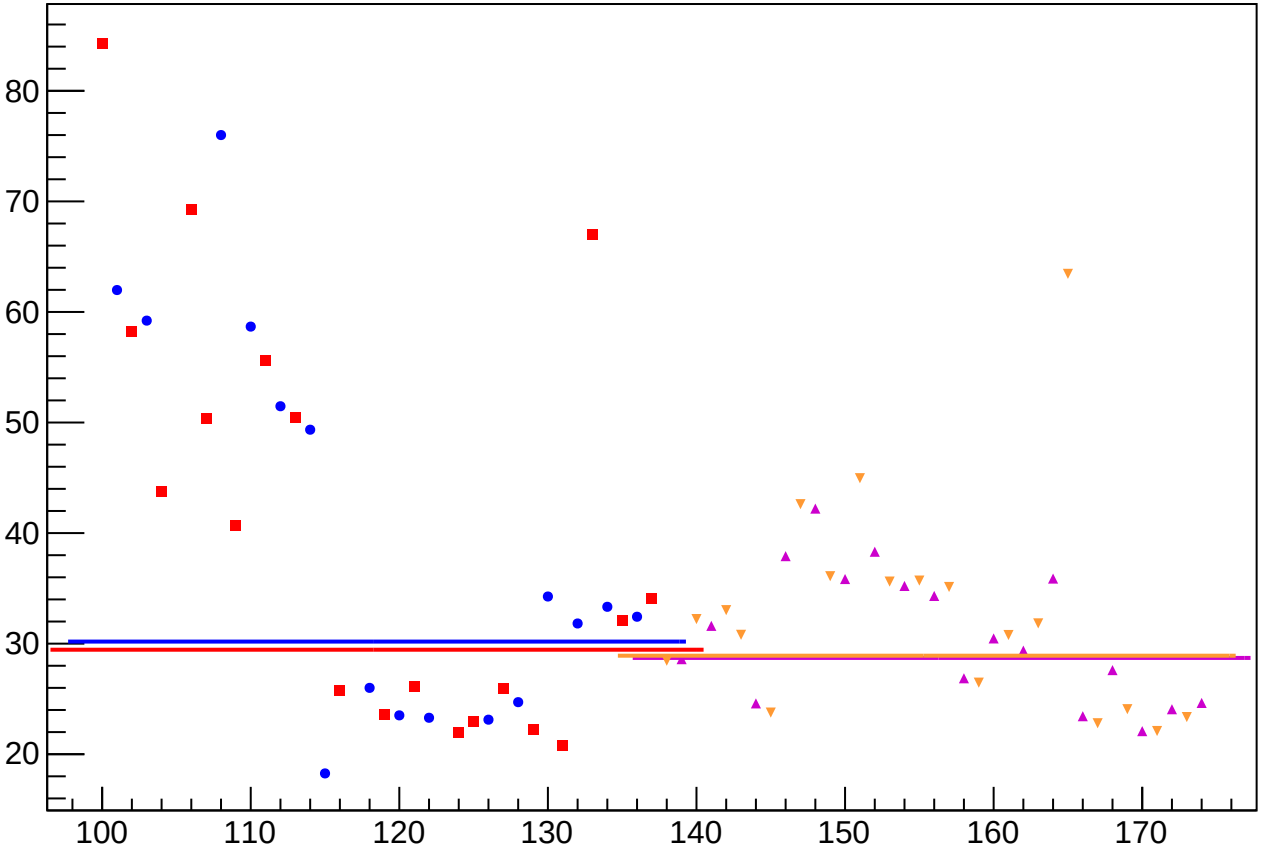
In: 29.126+/-0.005 χ^2/NDF:2665422.8/33

Out: 29.072+/-0.005 χ^2/NDF:3363636.4/37

All: 29.099+/-0.003 χ^2/NDF: 6029127.1/71


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
110
120
130
140
150
160
170
Right In: 0.003+/-0.012 χ²/NDF: 10.1/15
Left Out: -0.023+/-0.008 χ²/NDF:29.8/18
Right Out: 0.010+/-0.012 χ²/NDF: 11.2/18
Left In: -0.001+/-0.008 χ²/NDF:16.1/17
Left: -0.012+/-0.005 χ²/NDF: 49.9/36
Right: 0.007+/-0.009 χ²/NDF: 21.5/34
In: -0.000+/-0.007 χ²/NDF:26.3/33
Out: -0.013+/-0.006 χ²/NDF:46.7/37
All: -0.007+/-0.005 χ²/NDF: 75.1/71

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: 28.910+/-0.005 χ^2/NDF:1512068.3/18

Right Out: 29.451+/-0.008 χ^2/NDF: 1848632.6/18

Left In: 28.708+/-0.005 χ^2/NDF:957423.9/17

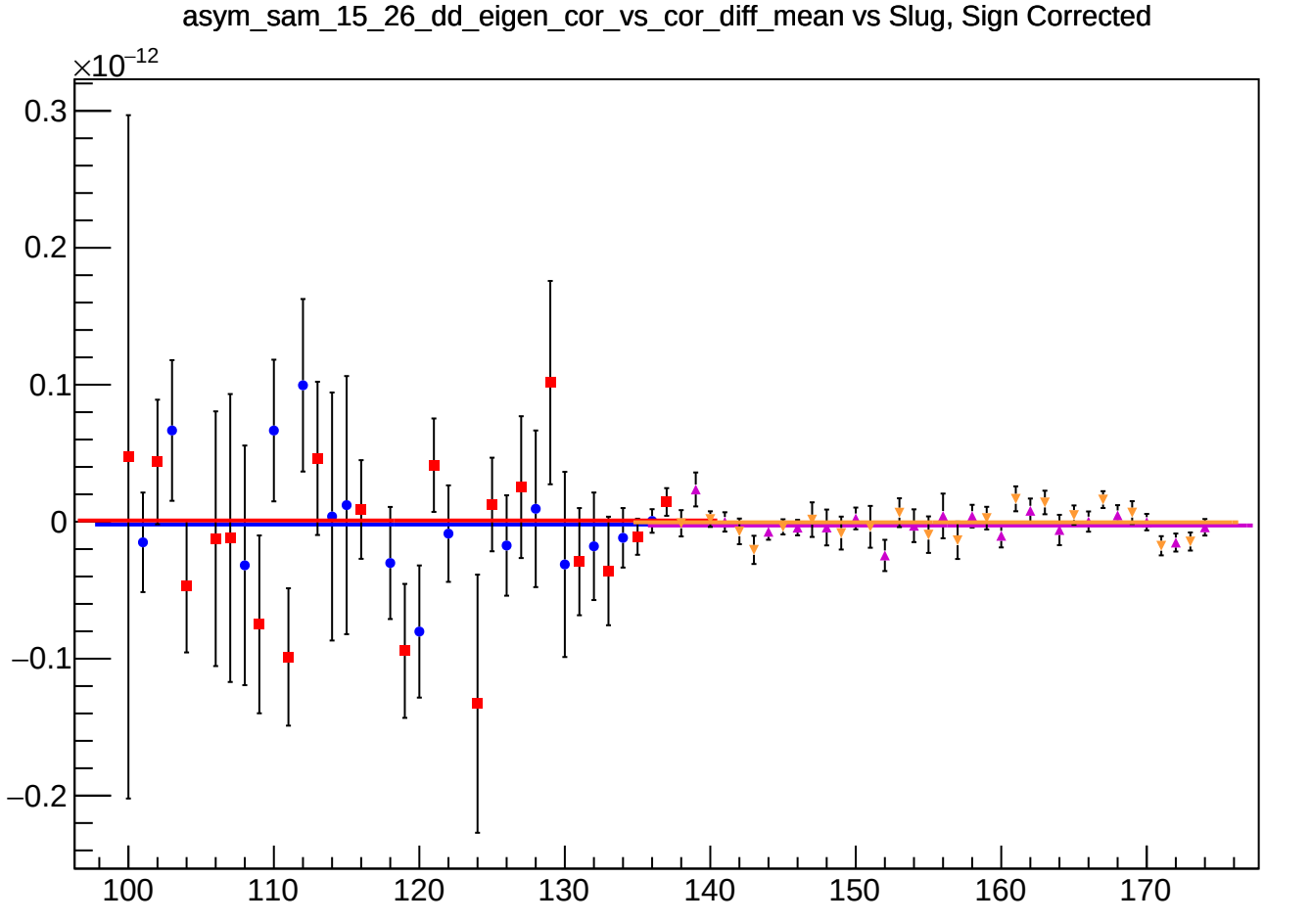
Left: 28.809+/-0.004 χ^2/NDF: 2470178.8/36

Right: 29.805+/-0.006 χ^2/NDF: 3539550.0/34

In: 29.126+/-0.005 χ^2/NDF:2665422.8/33

Out: 29.072+/-0.005 χ^2/NDF:3363636.4/37

All: 29.099+/-0.003 χ^2/NDF: 6029127.1/71



Right In: -0.000+/-0.000 χ^2/NDF: 10.4/15

Left Out: -0.000+/-0.000 χ^2/NDF:32.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/18

Left In: -0.000+/-0.000 χ^2/NDF:17.5/17

Left: -0.000+/-0.000 χ^2/NDF: 51.0/36

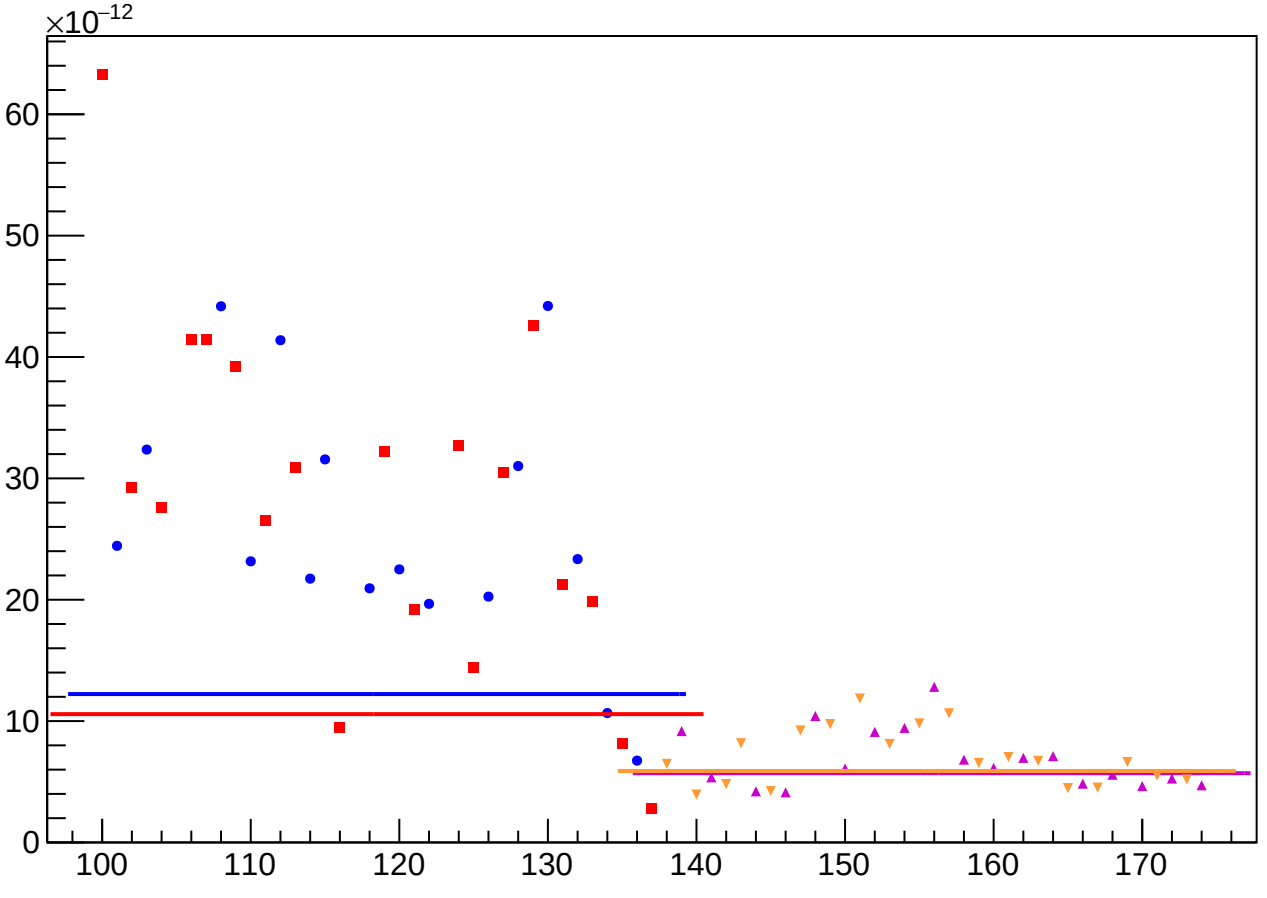
Right: -0.000+/-0.000 χ^2/NDF: 31.9/34

In: -0.000+/-0.000 χ^2/NDF:27.9/33

Out: -0.000+/-0.000 χ^2/NDF:54.2/37

All: -0.000+/-0.000 χ^2/NDF: 83.0/71

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3437895.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1985875.9/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4770079.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1730776.5/17

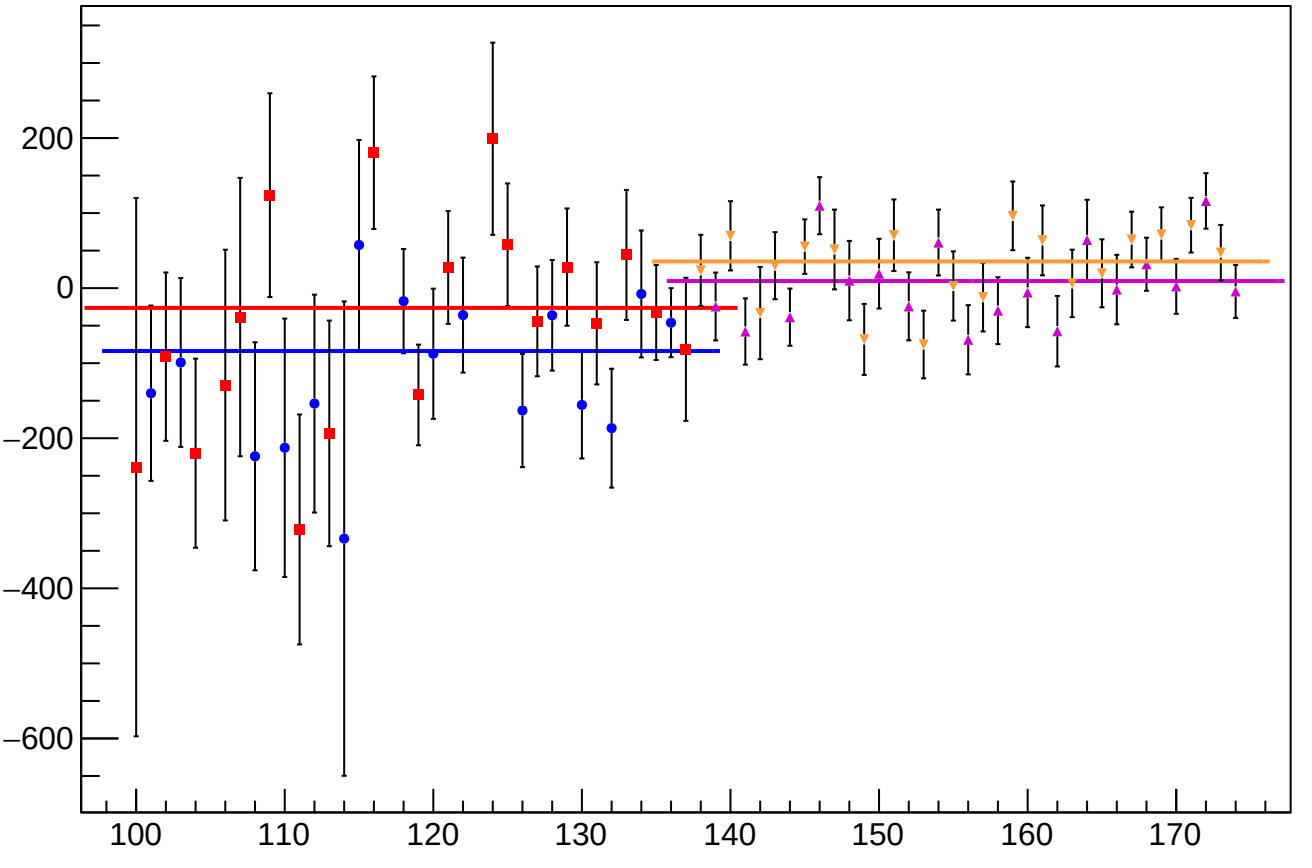
Left: 0.000+/-0.000 χ^2/NDF: 3726089.6/36

Right: 0.000+/-0.000 χ^2/NDF: 8268115.2/34

In: 0.000+/-0.000 χ^2/NDF:6870931.9/33

Out: 0.000+/-0.000 χ^2/NDF:7670649.3/37

All: 0.000+/-0.000 χ^2/NDF: 14543832.9/71



Right In: -83.808+/-21.434 χ^2/NDF: 10.5/15

Left Out: 35.555+/-9.993 χ^2/NDF:21.4/18

Right Out: -26.301+/-22.067 χ^2/NDF: 23.0/18

Left In: 9.436+/-10.001 χ^2/NDF:29.2/17

Left: 22.505+/-7.069 χ^2/NDF: 54.0/36

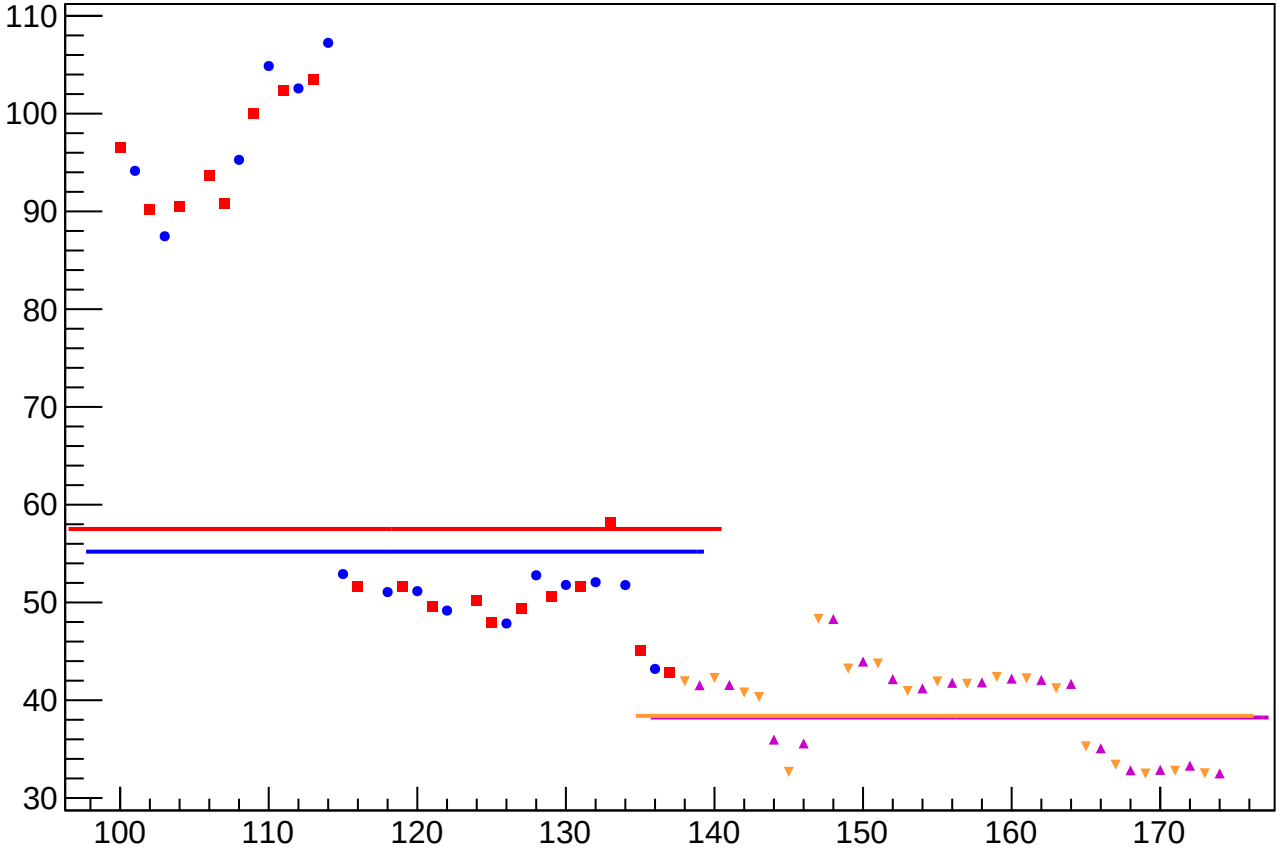
Right: -55.890+/-15.375 χ^2/NDF: 37.0/34

In: -7.233+/-9.063 χ^2/NDF:55.3/33

Out: 25.029+/-9.103 χ^2/NDF:50.9/37

All: 8.826+/-6.423 χ^2/NDF: 112.5/71

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.1/15

Left Out: 38.403+/-0.007 χ^2/NDF:459215.5/18

Right Out: 57.519+/-0.016 χ^2/NDF: 1281793.1/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

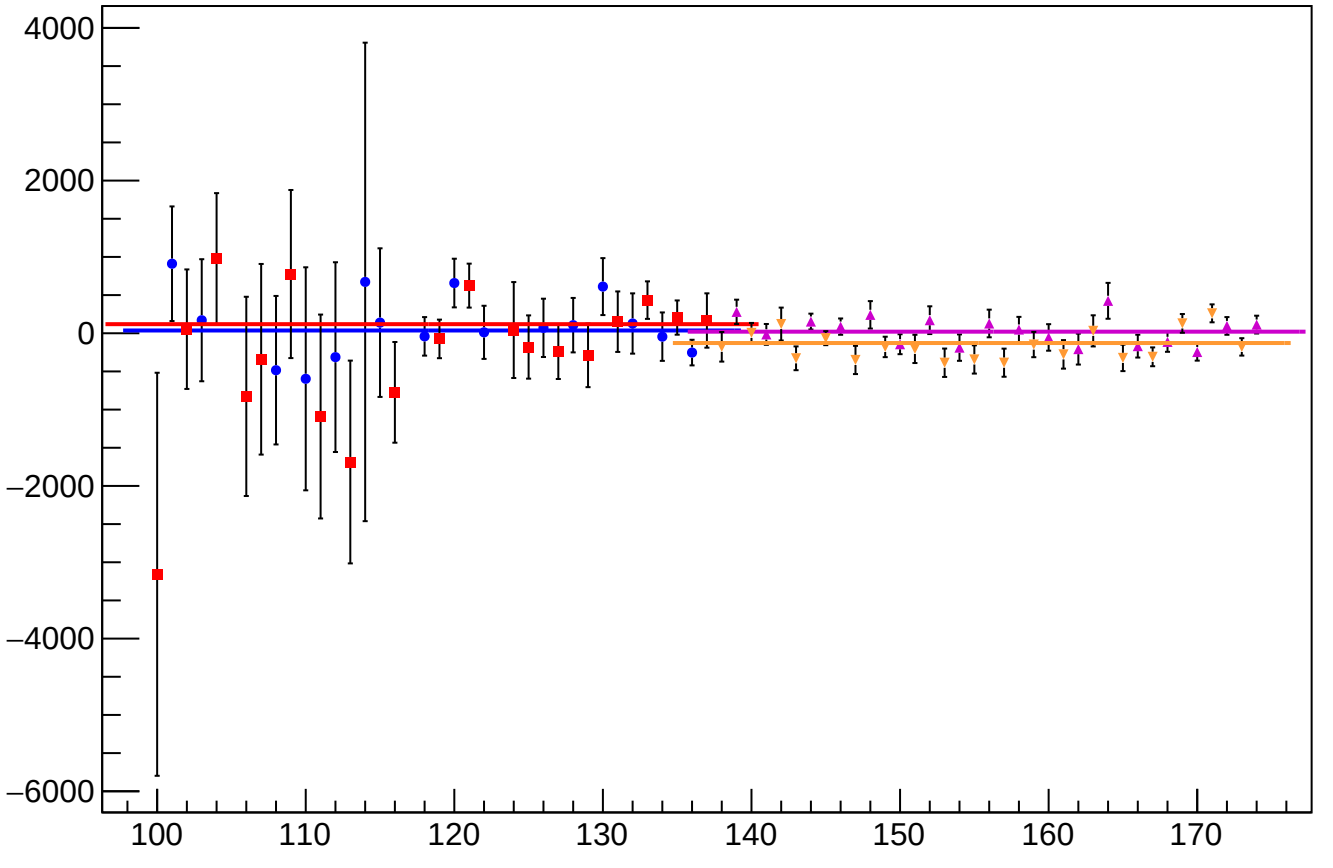
Left: 38.318+/-0.005 χ^2/NDF: 873298.2/36

Right: 56.325+/-0.011 χ^2/NDF: 2445763.7/34

In: 41.265+/-0.006 χ^2/NDF:2595342.4/33

Out: 41.656+/-0.006 χ^2/NDF:2986434.8/37

All: 41.460+/-0.005 χ^2/NDF: 5583633.3/71



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.860+/-33.838 χ^2/NDF:31.8/18

Right Out: 119.166+/-95.833 χ^2/NDF: 16.0/18

Left In: 20.785+/-33.349 χ^2/NDF:24.0/17

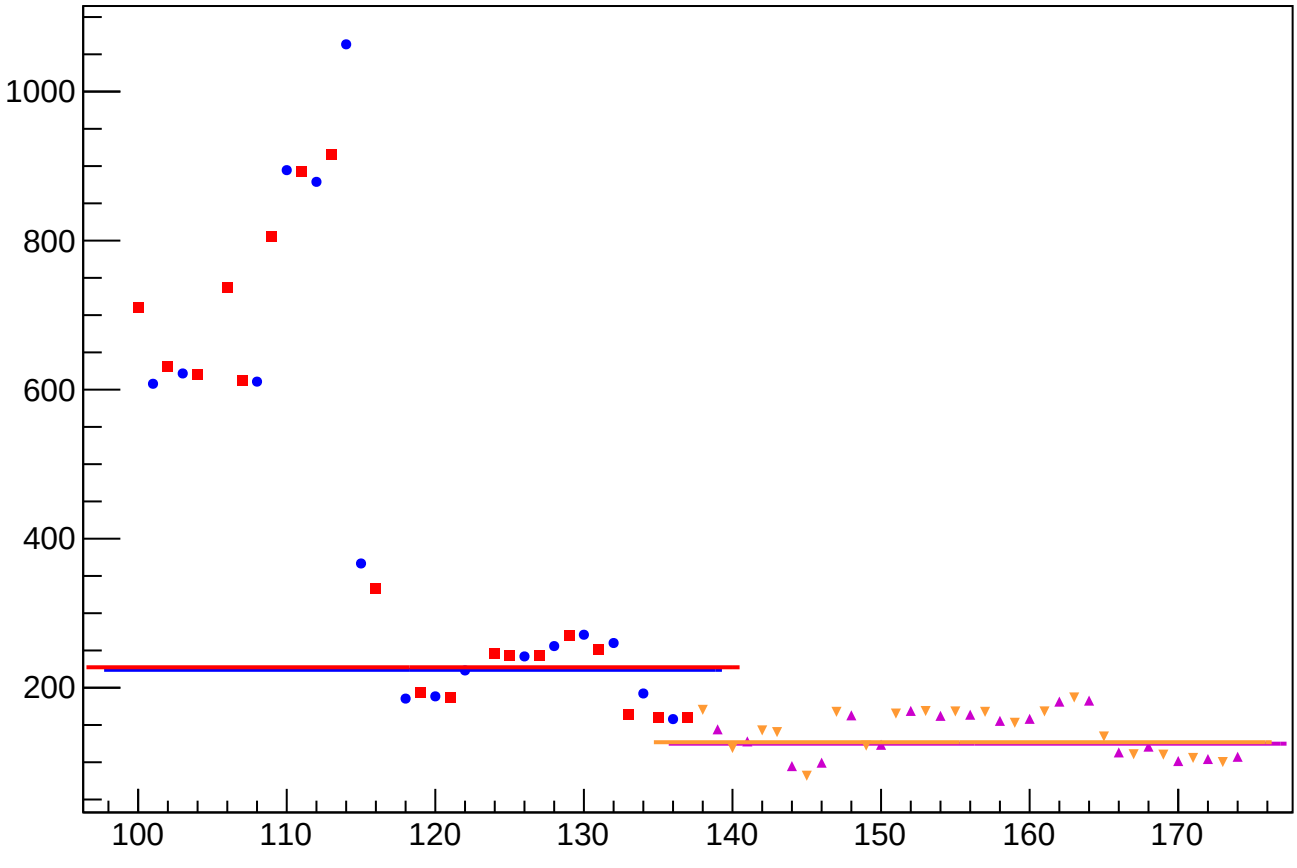
Left: -52.456+/-23.752 χ^2/NDF: 65.6/36

Right: 76.754+/-66.947 χ^2/NDF: 27.8/34

In: 22.537+/-31.413 χ^2/NDF:35.4/33

Out: -100.477+/-31.907 χ^2/NDF:53.7/37

All: -38.010+/-22.385 χ^2/NDF: 96.7/71



Right In: 224.042+/-0.066 χ^2/NDF: 2968054.7/15

Left Out: 126.871+/-0.024 χ^2/NDF:1669850.2/18

Right Out: 227.451+/-0.068 χ^2/NDF: 3640634.3/18

Left In: 124.910+/-0.024 χ^2/NDF:1330114.1/17

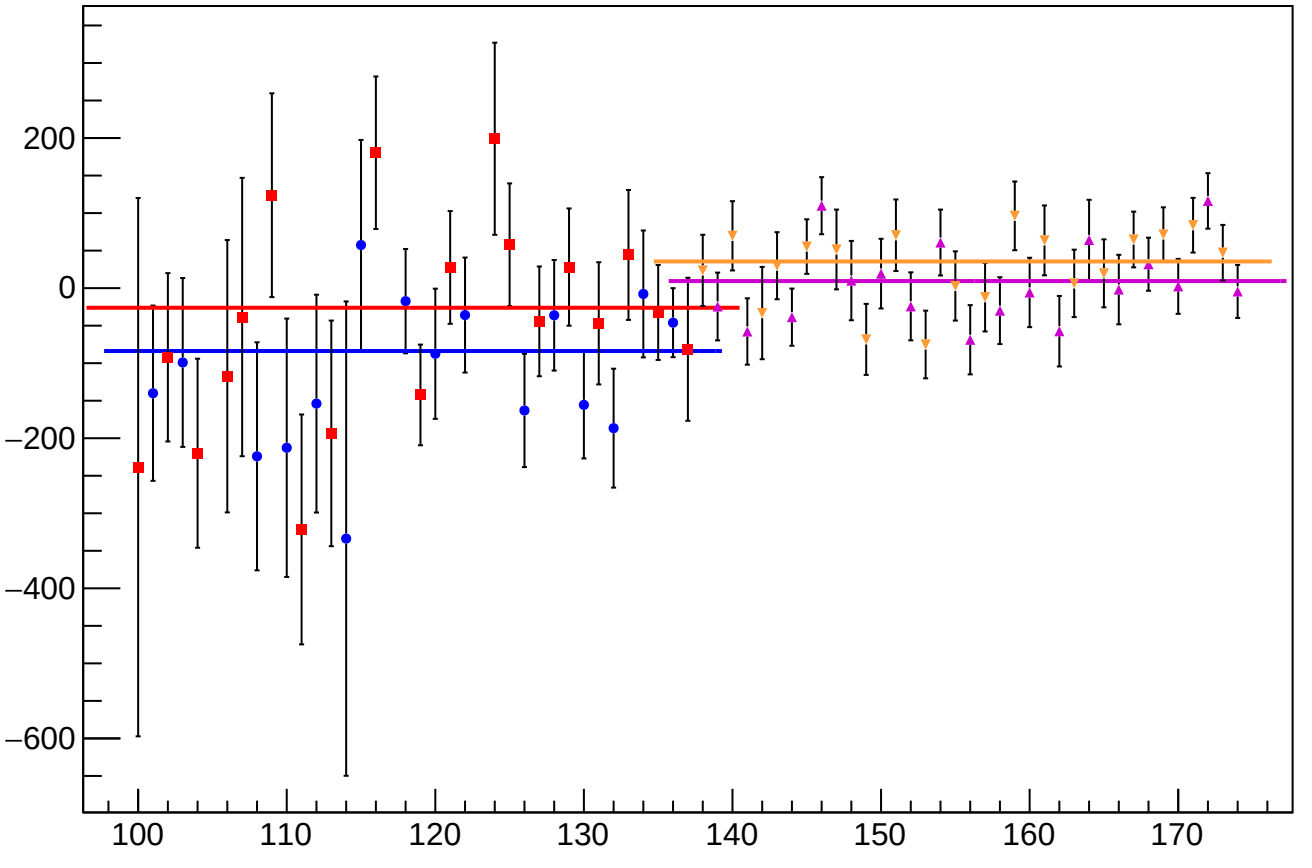
Left: 125.876+/-0.017 χ^2/NDF: 3003373.5/36

Right: 225.705+/-0.047 χ^2/NDF: 6609984.7/34

In: 136.084+/-0.022 χ^2/NDF:6290263.6/33

Out: 138.021+/-0.023 χ^2/NDF:7269285.1/37

All: 137.037+/-0.016 χ^2/NDF: 13563289.8/71



Right In: -83.805+/-21.434 χ^2/NDF: 10.5/15

Left Out: 35.556+/-9.993 χ^2/NDF:21.4/18

Right Out: -26.142+/-22.069 χ^2/NDF: 22.9/18

Left In: 9.435+/-10.001 χ^2/NDF:29.2/17

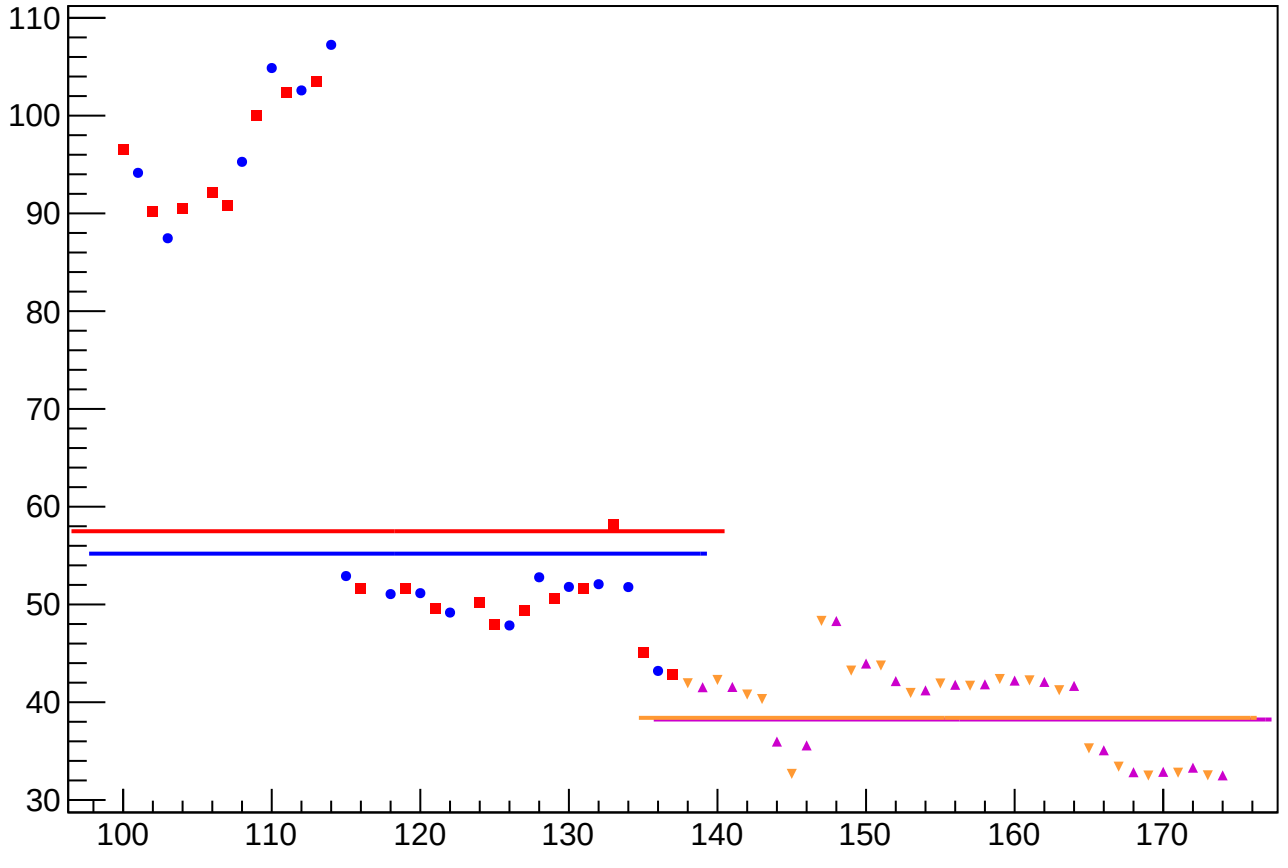
Left: 22.505+/-7.069 χ^2/NDF: 54.0/36

Right: -55.815+/-15.376 χ^2/NDF: 37.0/34

In: -7.233+/-9.063 χ^2/NDF:55.3/33

Out: 25.058+/-9.103 χ^2/NDF:50.8/37

All: 8.840+/-6.423 χ^2/NDF: 112.4/71



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.403+/-0.007 χ^2/NDF:459215.5/18

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

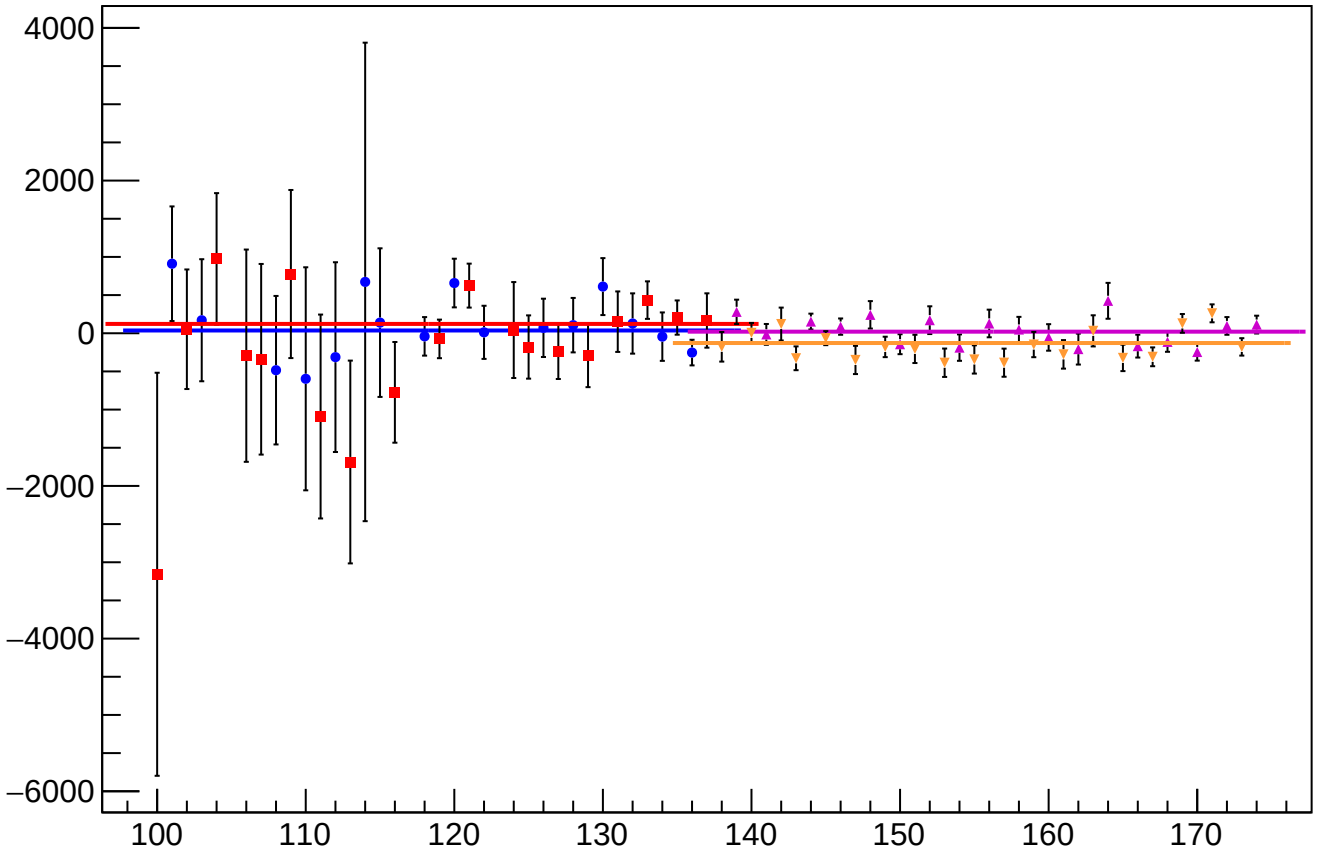
Left: 38.318+/-0.005 χ^2/NDF: 873298.1/36

Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.265+/-0.006 χ^2/NDF:2595342.6/33

Out: 41.651+/-0.006 χ^2/NDF:2975071.5/37

All: 41.457+/-0.005 χ^2/NDF: 5572219.1/71



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.862+/-33.838 χ^2/NDF:31.8/18

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 20.786+/-33.349 χ^2/NDF:24.0/17

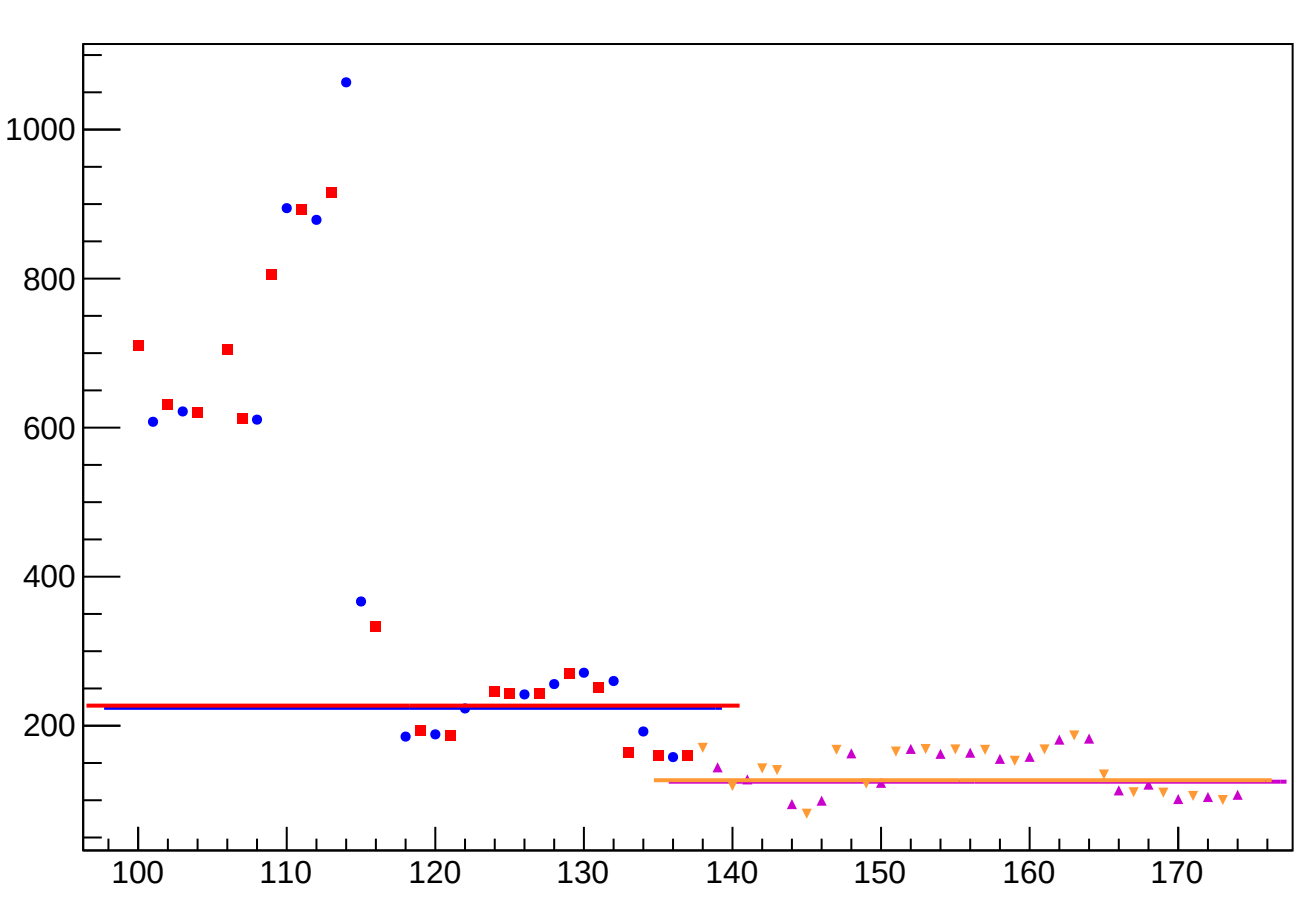
Left: -52.456+/-23.752 χ^2/NDF: 65.6/36

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 22.538+/-31.413 χ^2/NDF:35.4/33

Out: -100.148+/-31.908 χ^2/NDF:53.4/37

All: -37.845+/-22.385 χ^2/NDF: 96.3/71



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.871+/-0.024 χ^2/NDF:1669847.8/18

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

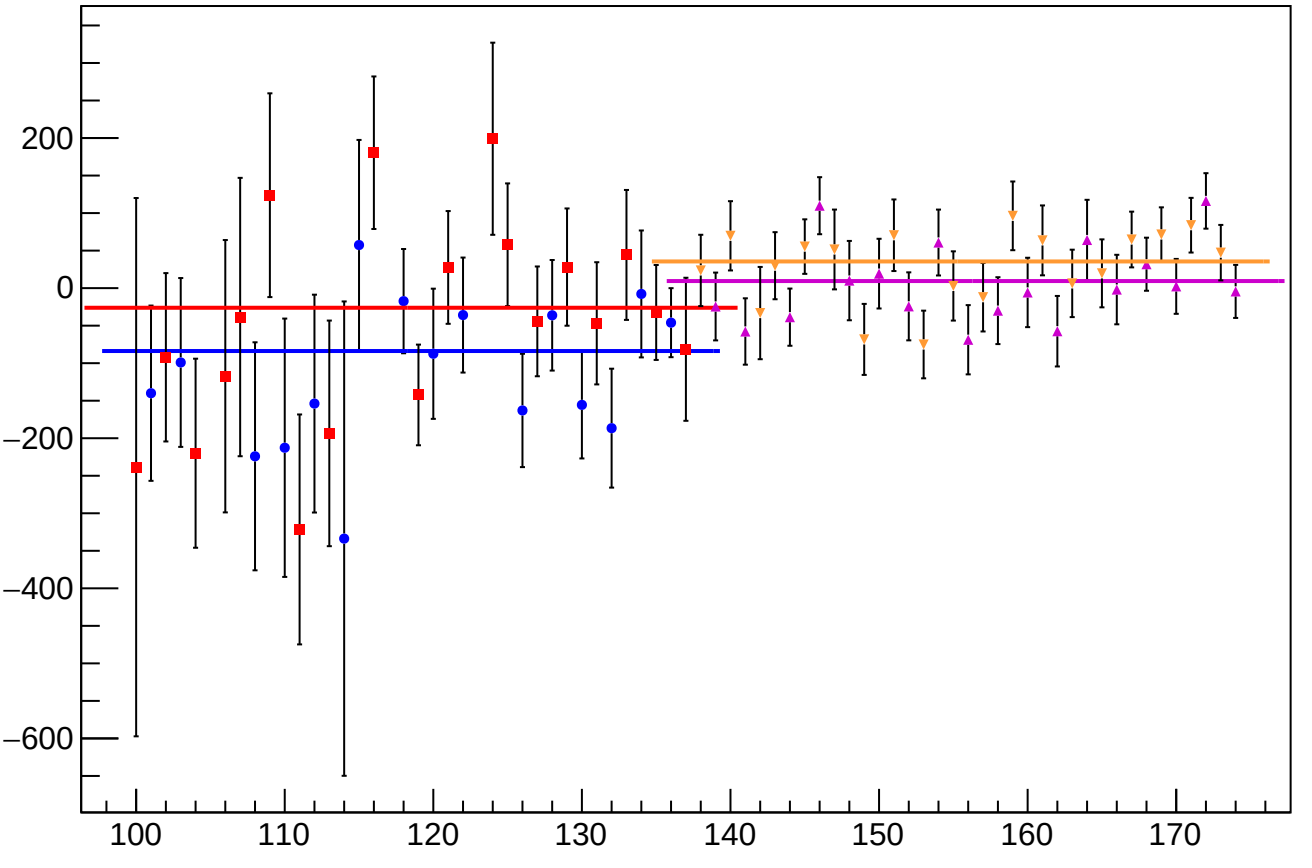
Left: 125.876+/-0.017 χ^2/NDF: 3003381.1/36

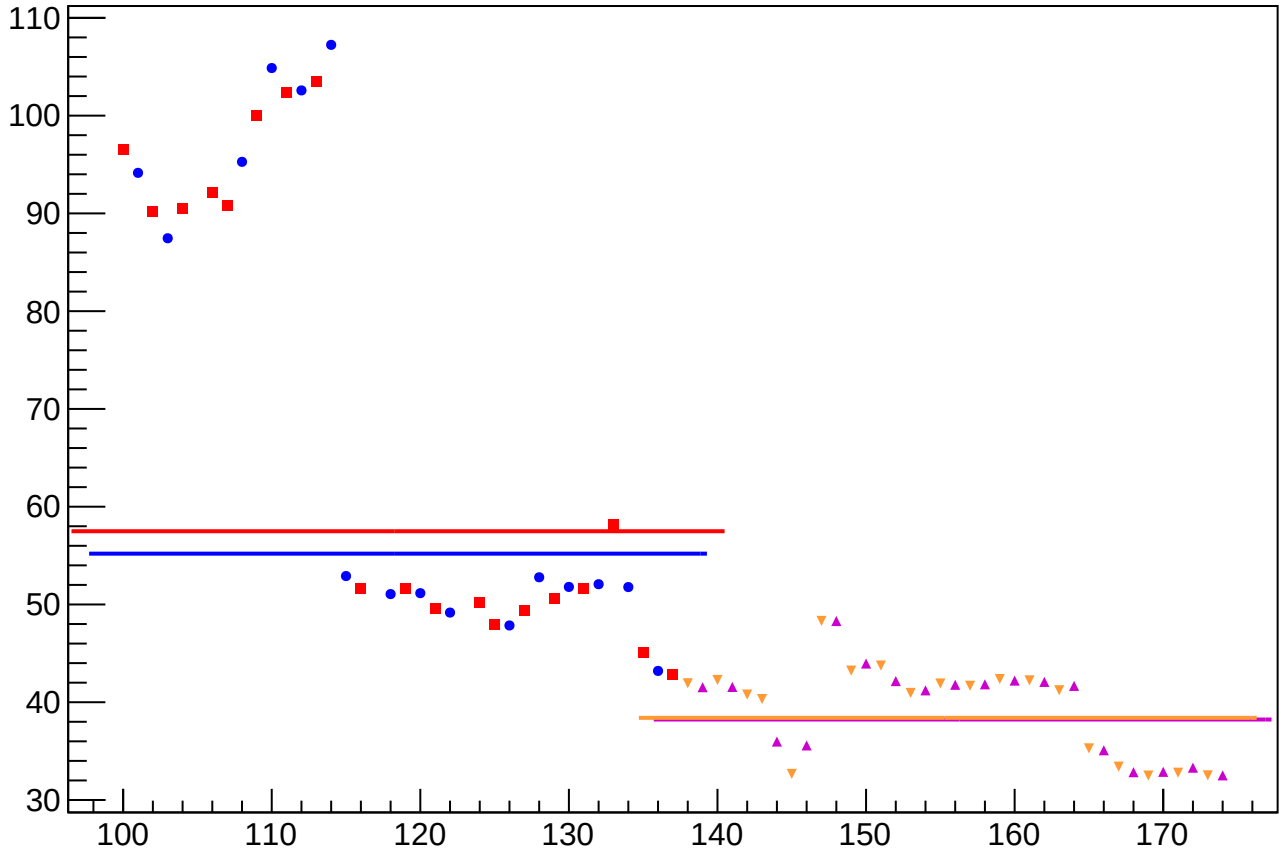
Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 136.084+/-0.022 χ^2/NDF:6290285.6/33

Out: 137.961+/-0.023 χ^2/NDF:7180819.6/37

All: 137.008+/-0.016 χ^2/NDF: 13474620.0/71


eigen_cor_asym_sam_37_26_dd_mean vs Slug, Sign Corrected
200
0
−200
−400
−600
100
110
120
130
140
150
160
170
Right In: -83.805+/-21.434 χ²/NDF: 10.5/15
Left Out: 35.556+/-9.993 χ²/NDF:21.4/18
Right Out: -26.142+/-22.069 χ²/NDF: 22.9/18
Left In: 9.435+/-10.001 χ²/NDF:29.2/17
Left: 22.505+/-7.069 χ²/NDF: 54.0/36
Right: -55.815+/-15.376 χ²/NDF: 37.0/34
In: -7.233+/-9.063 χ²/NDF:55.3/33
Out: 25.058+/-9.103 χ²/NDF:50.8/37
All: 8.840+/-6.423 χ²/NDF: 112.4/71



Right In: 55.198+/-0.015 χ^2/NDF: 1152581.3/15

Left Out: 38.403+/-0.007 χ^2/NDF:459215.5/18

Right Out: 57.490+/-0.016 χ^2/NDF: 1274387.3/18

Left In: 38.232+/-0.007 χ^2/NDF:413789.5/17

Left: 38.318+/-0.005 χ^2/NDF: 873298.1/36

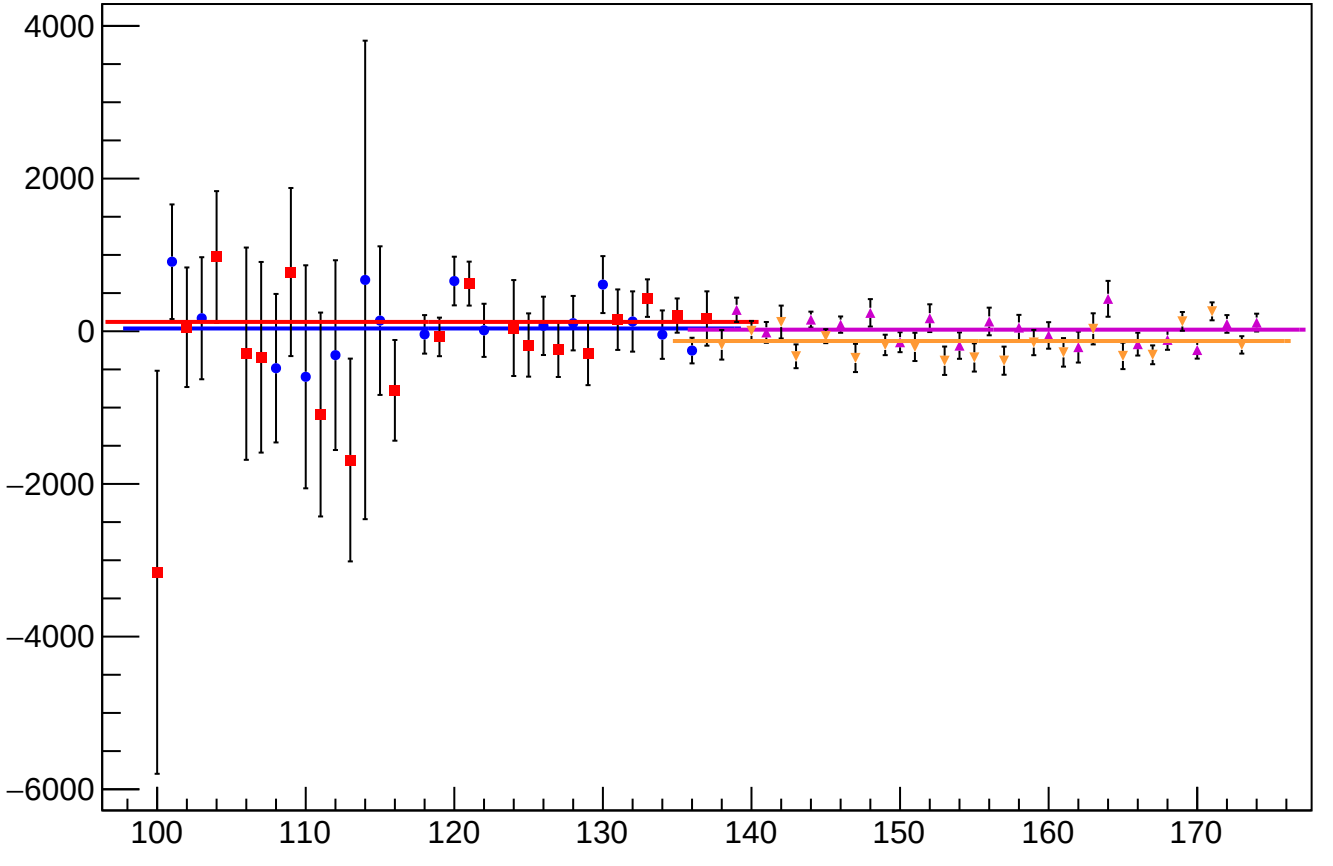
Right: 56.311+/-0.011 χ^2/NDF: 2438075.6/34

In: 41.265+/-0.006 χ^2/NDF:2595342.6/33

Out: 41.651+/-0.006 χ^2/NDF:2975071.5/37

All: 41.457+/-0.005 χ^2/NDF: 5572219.1/71

asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 36.327+/-93.563 χ^2/NDF: 11.4/15

Left Out: -127.862+/-33.838 χ^2/NDF:31.8/18

Right Out: 122.289+/-95.865 χ^2/NDF: 15.6/18

Left In: 20.786+/-33.349 χ^2/NDF:24.0/17

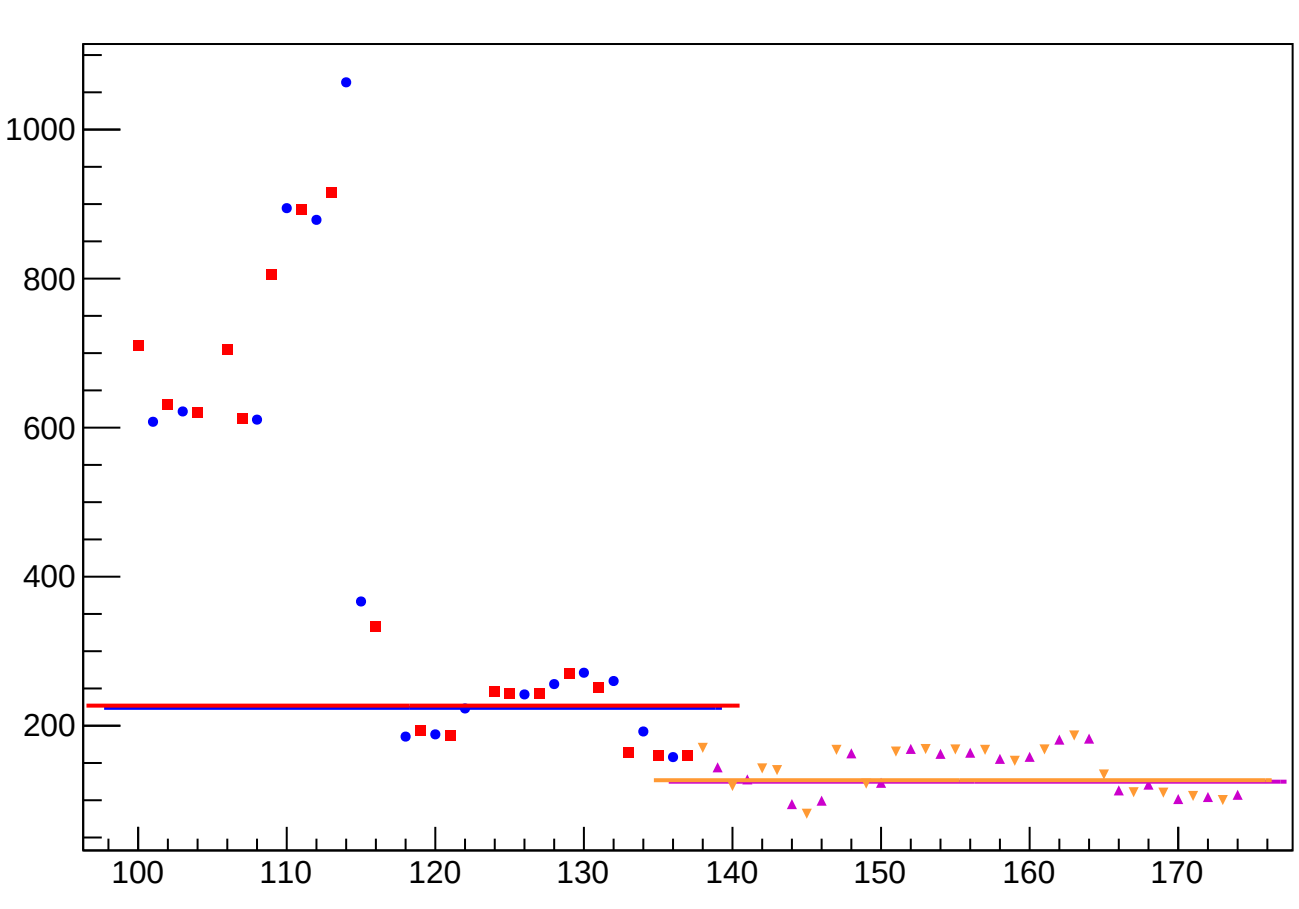
Left: -52.456+/-23.752 χ^2/NDF: 65.6/36

Right: 78.263+/-66.958 χ^2/NDF: 27.4/34

In: 22.538+/-31.413 χ^2/NDF:35.4/33

Out: -100.148+/-31.908 χ^2/NDF:53.4/37

All: -37.845+/-22.385 χ^2/NDF: 96.3/71



Right In: 224.042+/-0.066 χ^2/NDF: 2968059.8/15

Left Out: 126.871+/-0.024 χ^2/NDF:1669847.8/18

Right Out: 226.971+/-0.068 χ^2/NDF: 3571946.9/18

Left In: 124.910+/-0.024 χ^2/NDF:1330123.5/17

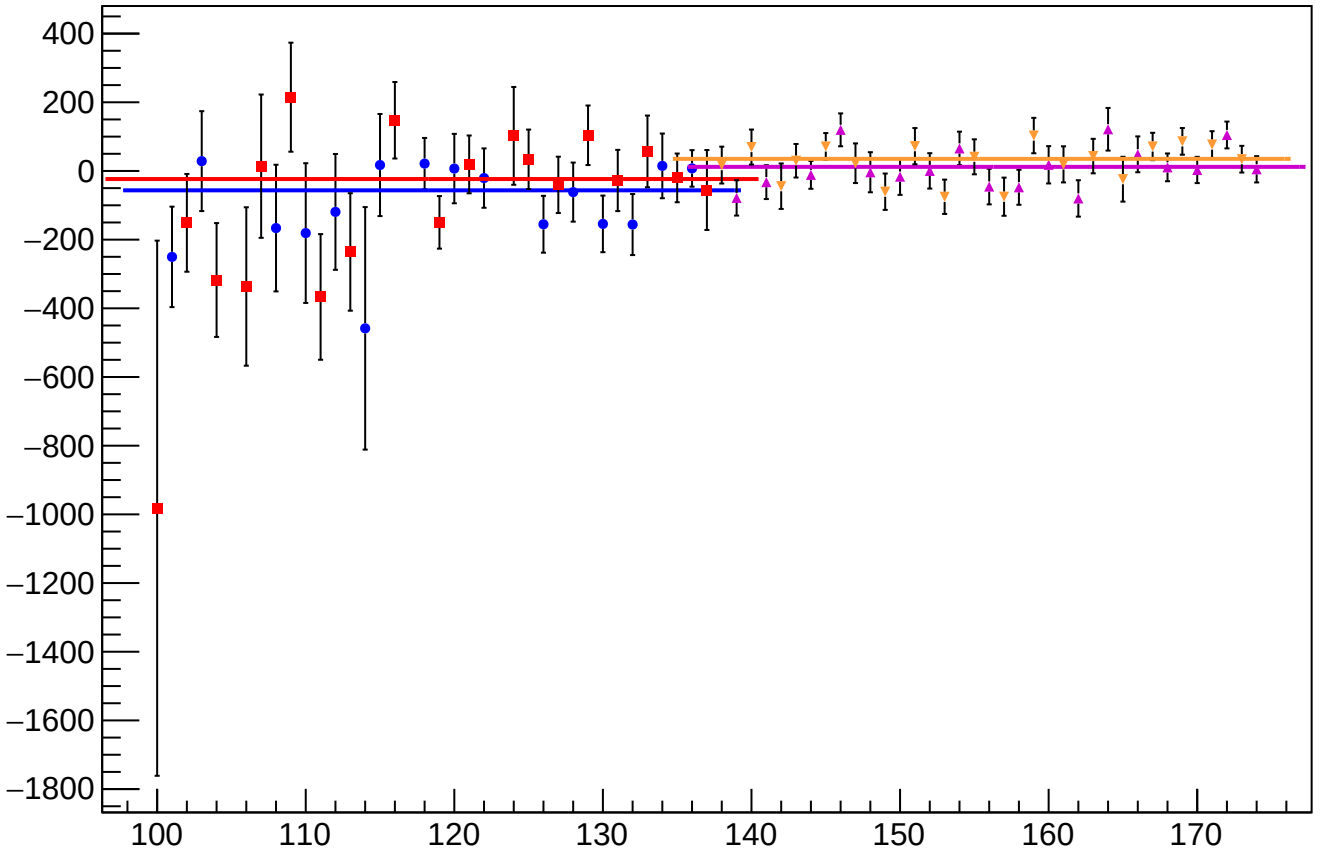
Left: 125.876+/-0.017 χ^2/NDF: 3003381.1/36

Right: 225.471+/-0.047 χ^2/NDF: 6540963.0/34

In: 136.084+/-0.022 χ^2/NDF:6290285.6/33

Out: 137.961+/-0.023 χ^2/NDF:7180819.6/37

All: 137.008+/-0.016 χ^2/NDF: 13474620.0/71



Right In: -56.414+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.229+/-11.083 χ^2/NDF:21.9/18

Right Out: -23.495+/-25.161 χ^2/NDF: 24.1/18

Left In: 11.935+/-11.187 χ^2/NDF:25.9/17

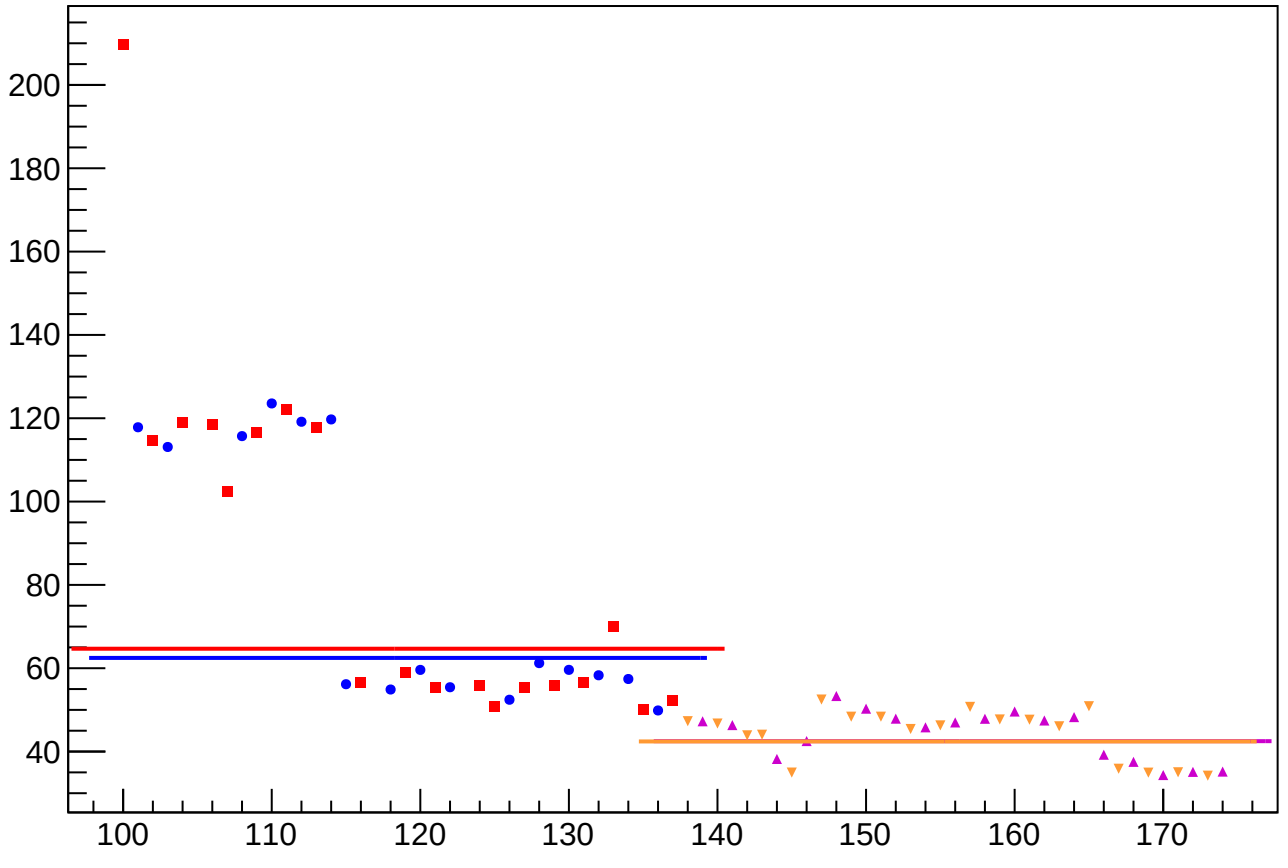
Left: 23.691+/-7.873 χ^2/NDF: 49.9/36

Right: -40.400+/-17.549 χ^2/NDF: 37.2/34

In: 0.134+/-10.175 χ^2/NDF:44.6/33

Out: 25.686+/-10.142 χ^2/NDF:50.5/37

All: 12.952+/-7.183 χ^2/NDF: 98.3/71



Right In: 62.474+/-0.017 χ^2/NDF: 1348224.3/15

Left Out: 42.426+/-0.008 χ^2/NDF:655903.0/18

Right Out: 64.680+/-0.018 χ^2/NDF: 1590446.9/18

Left In: 42.493+/-0.008 χ^2/NDF:573925.4/17

Left: 42.459+/-0.006 χ^2/NDF: 1229864.4/36

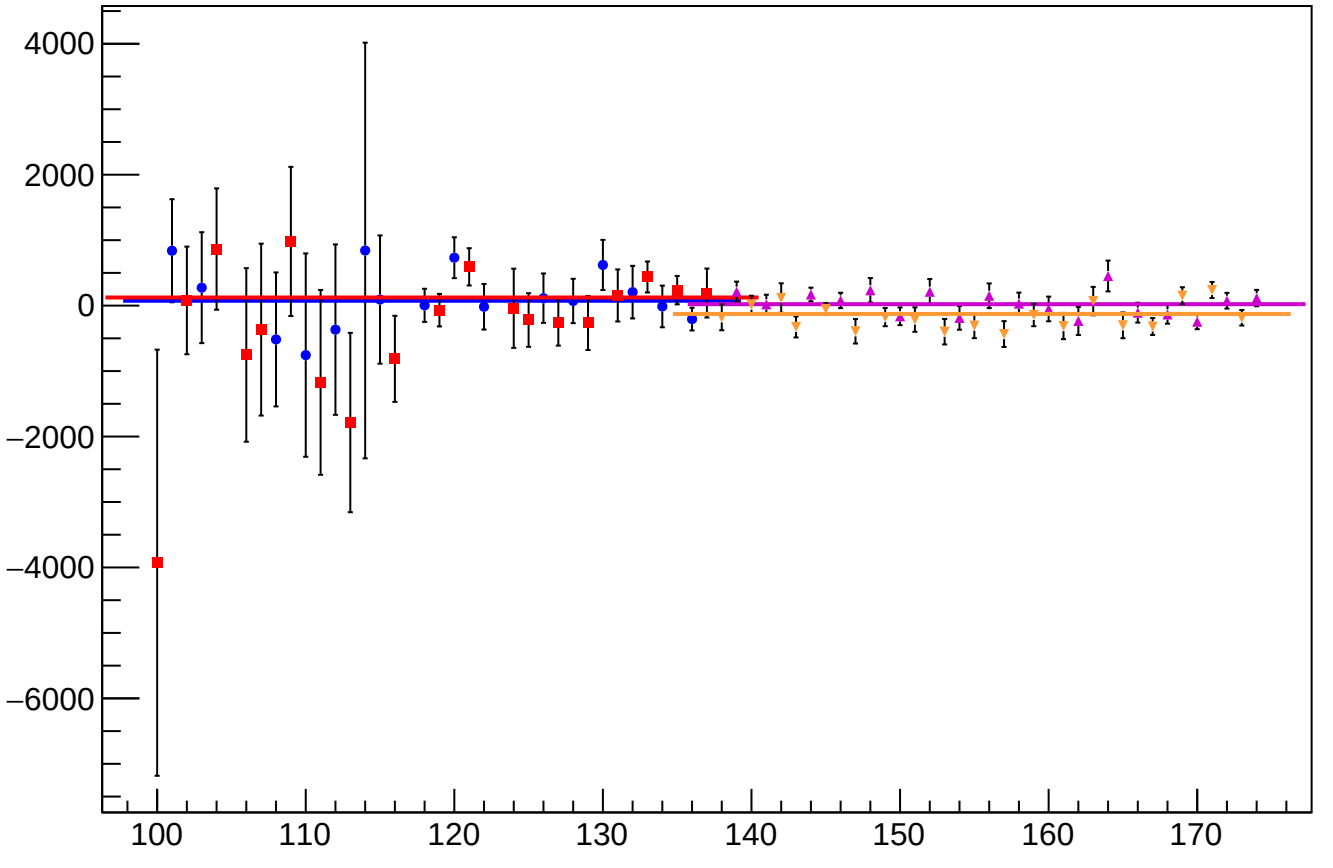
Right: 63.547+/-0.012 χ^2/NDF: 2946567.9/34

In: 45.942+/-0.007 χ^2/NDF:3023792.1/33

Out: 46.042+/-0.007 χ^2/NDF:3556793.5/37

All: 45.992+/-0.005 χ^2/NDF: 6580681.5/71

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.294+/-94.492 χ^2/NDF: 11.2/15

Left Out: -127.015+/-35.073 χ^2/NDF:30.6/18

Right Out: 124.201+/-94.665 χ^2/NDF: 16.3/18

Left In: 22.053+/-34.780 χ^2/NDF:22.8/17

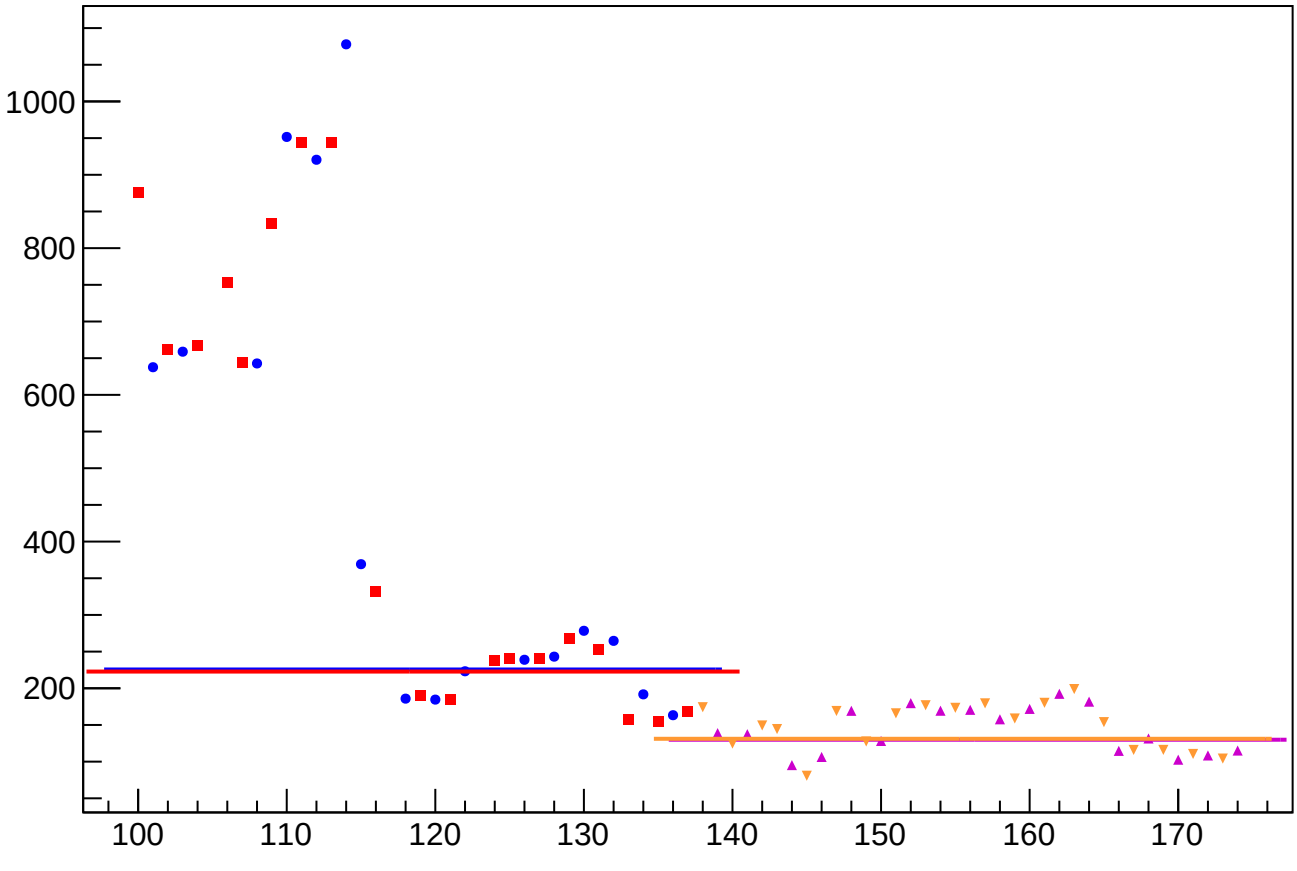
Left: -51.857+/-24.696 χ^2/NDF: 62.5/36

Right: 99.202+/-66.877 χ^2/NDF: 27.7/34

In: 28.286+/-32.640 χ^2/NDF:34.3/33

Out: -96.694+/-32.888 χ^2/NDF:53.1/37

All: -33.730+/-23.167 χ^2/NDF: 94.7/71



Right In: 225.614+/-0.067 χ^2/NDF: 3026007.7/15

Left Out: 131.141+/-0.025 χ^2/NDF:1842427.2/18

Right Out: 222.786+/-0.067 χ^2/NDF: 3848156.1/18

Left In: 129.869+/-0.025 χ^2/NDF:1368359.2/17

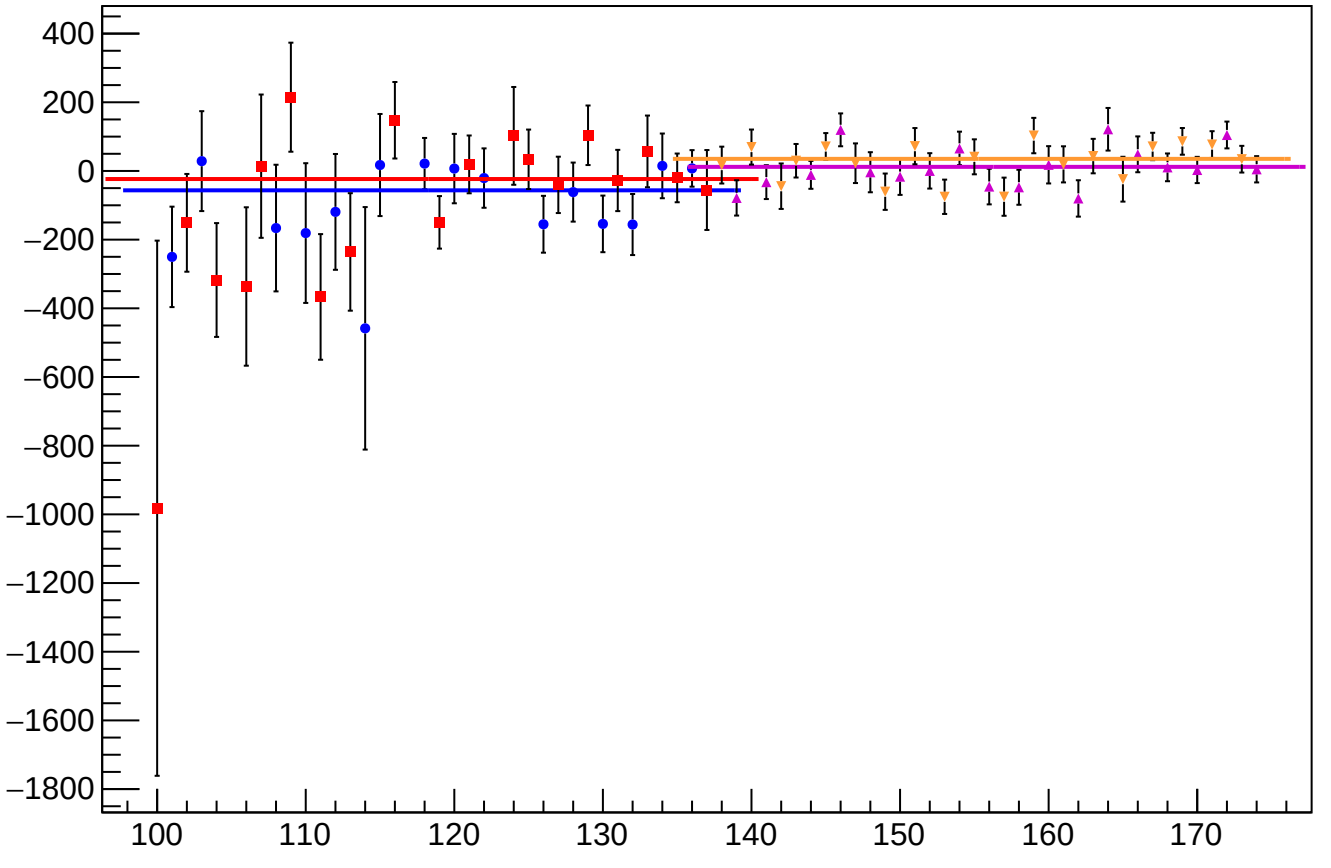
Left: 130.500+/-0.017 χ^2/NDF: 3212114.2/36

Right: 224.203+/-0.047 χ^2/NDF: 6875057.9/34

In: 141.293+/-0.023 χ^2/NDF:6202767.5/33

Out: 142.203+/-0.023 χ^2/NDF:7338748.5/37

All: 141.744+/-0.016 χ^2/NDF: 13542287.2/71



Right In: -56.415+/-24.489 χ^2/NDF: 12.3/15

Left Out: 35.230+/-11.083 χ^2/NDF:21.9/18

Right Out: -23.498+/-25.160 χ^2/NDF: 24.1/18

Left In: 11.935+/-11.187 χ^2/NDF:25.9/17

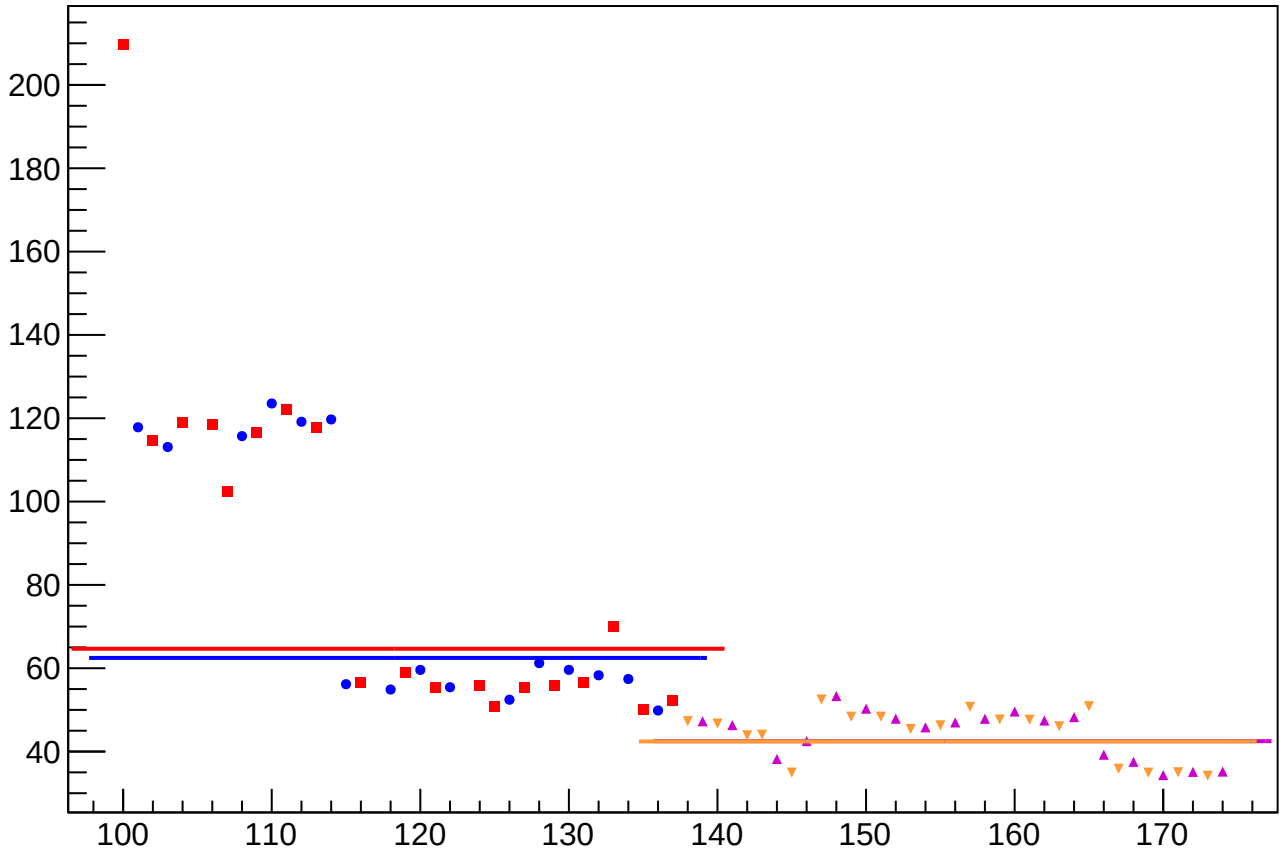
Left: 23.692+/-7.873 χ^2/NDF: 49.9/36

Right: -40.402+/-17.549 χ^2/NDF: 37.2/34

In: 0.134+/-10.175 χ^2/NDF:44.6/33

Out: 25.687+/-10.142 χ^2/NDF:50.5/37

All: 12.952+/-7.183 χ^2/NDF: 98.3/71



Right In: 62.474+/-0.017 χ^2/NDF: 1348204.7/15

Left Out: 42.426+/-0.008 χ^2/NDF:655916.0/18

Right Out: 64.680+/-0.018 χ^2/NDF: 1590426.1/18

Left In: 42.493+/-0.008 χ^2/NDF:573927.7/17

Left: 42.459+/-0.006 χ^2/NDF: 1229879.8/36

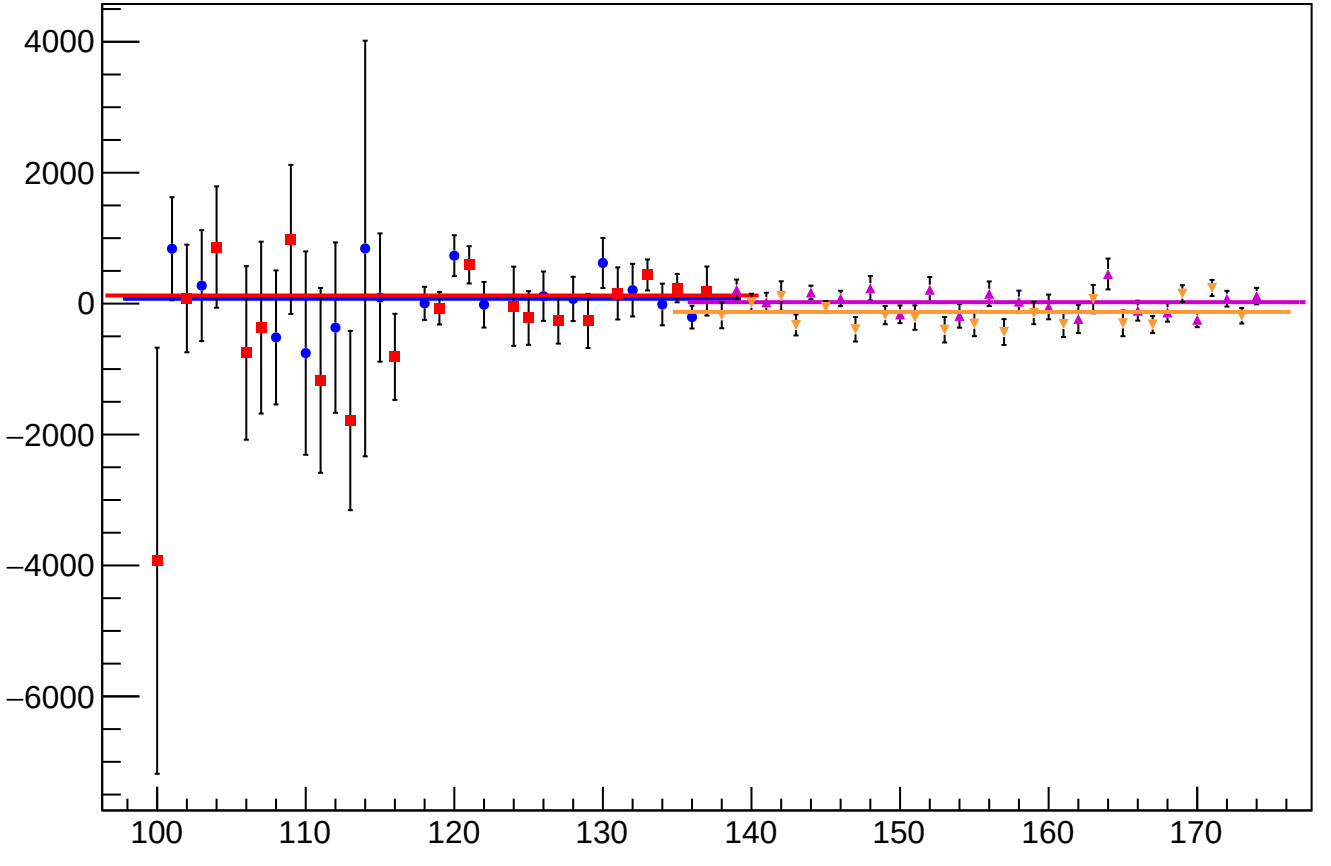
Right: 63.547+/-0.012 χ^2/NDF: 2946529.3/34

In: 45.943+/-0.007 χ^2/NDF:3023723.9/33

Out: 46.042+/-0.007 χ^2/NDF:3556758.0/37

All: 45.992+/-0.005 χ^2/NDF: 6580577.7/71

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 74.295+/-94.492 χ^2/NDF: 11.2/15

Left Out: -127.015+/-35.073 χ^2/NDF:30.6/18

Right Out: 124.199+/-94.666 χ^2/NDF: 16.3/18

Left In: 22.053+/-34.780 χ^2/NDF:22.8/17

Left: -51.857+/-24.696 χ^2/NDF: 62.5/36

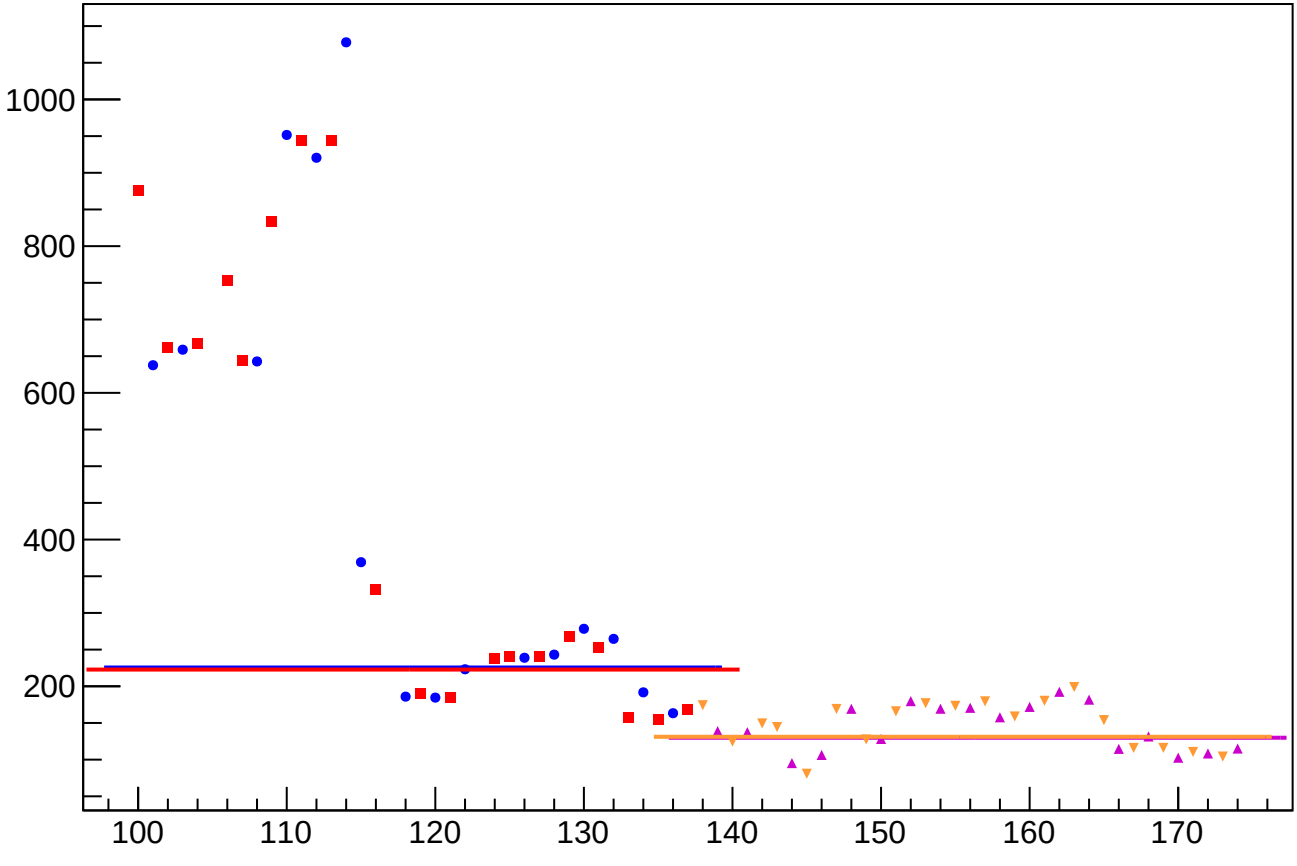
Right: 99.201+/-66.877 χ^2/NDF: 27.7/34

In: 28.287+/-32.640 χ^2/NDF:34.3/33

Out: -96.694+/-32.888 χ^2/NDF:53.1/37

All: -33.730+/-23.167 χ^2/NDF: 94.7/71

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.614+/-0.067 χ^2/NDF: 3025994.8/15

Left Out: 131.142+/-0.025 χ^2/NDF:1842416.0/18

Right Out: 222.787+/-0.067 χ^2/NDF: 3848136.6/18

Left In: 129.869+/-0.025 χ^2/NDF:1368353.8/17

Left: 130.500+/-0.017 χ^2/NDF: 3212097.8/36

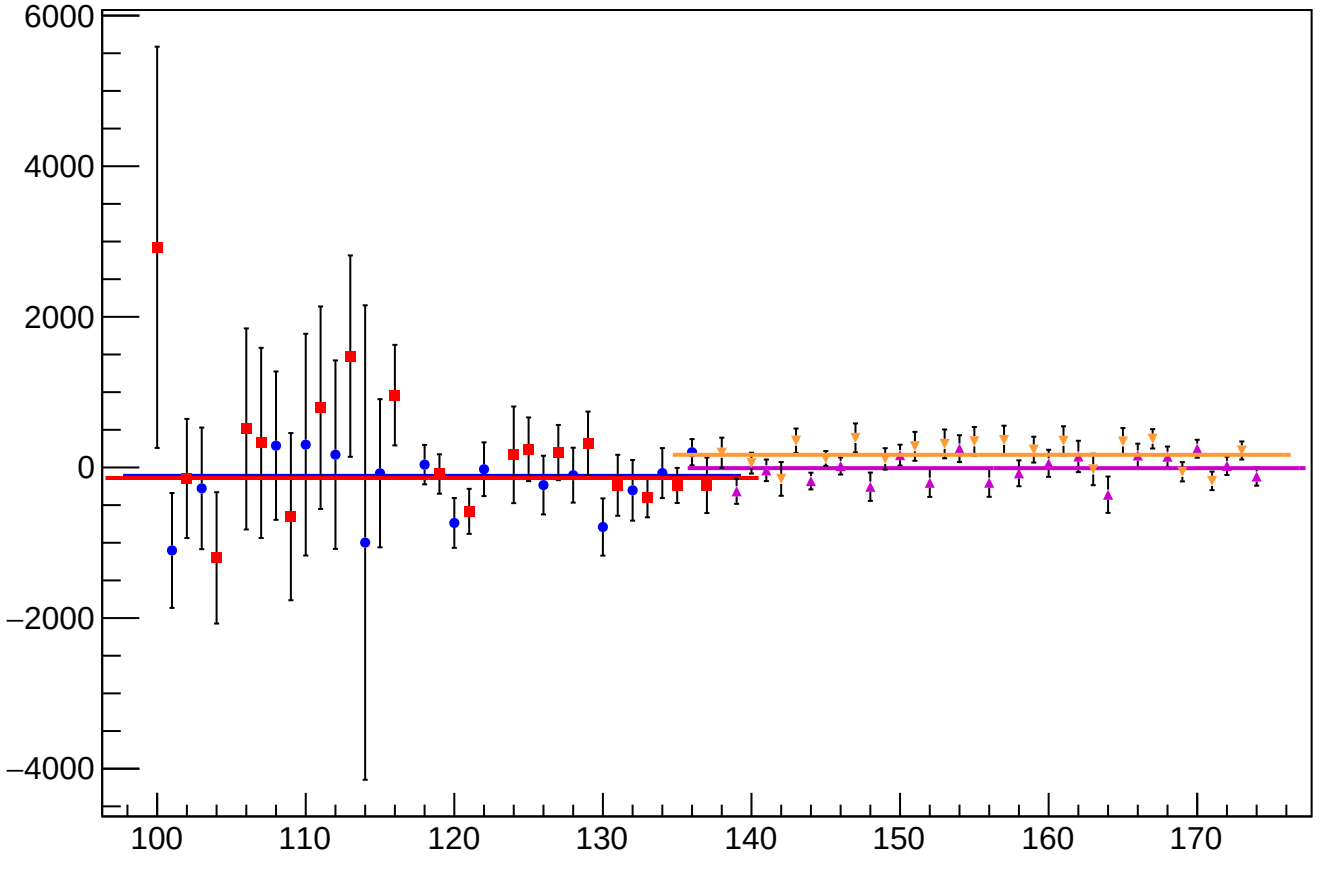
Right: 224.203+/-0.047 χ^2/NDF: 6875025.2/34

In: 141.293+/-0.023 χ^2/NDF:6202740.3/33

Out: 142.203+/-0.023 χ^2/NDF:7338718.7/37

All: 141.744+/-0.016 χ^2/NDF: 13542230.5/71

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: -111.916+/-96.551 χ^2/NDF: 12.8/15

Left Out: 168.005+/-35.456 χ^2/NDF:25.5/18

Right Out: -139.974+/-99.174 χ^2/NDF: 14.6/18

Left In: -8.988+/-34.969 χ^2/NDF:24.4/17

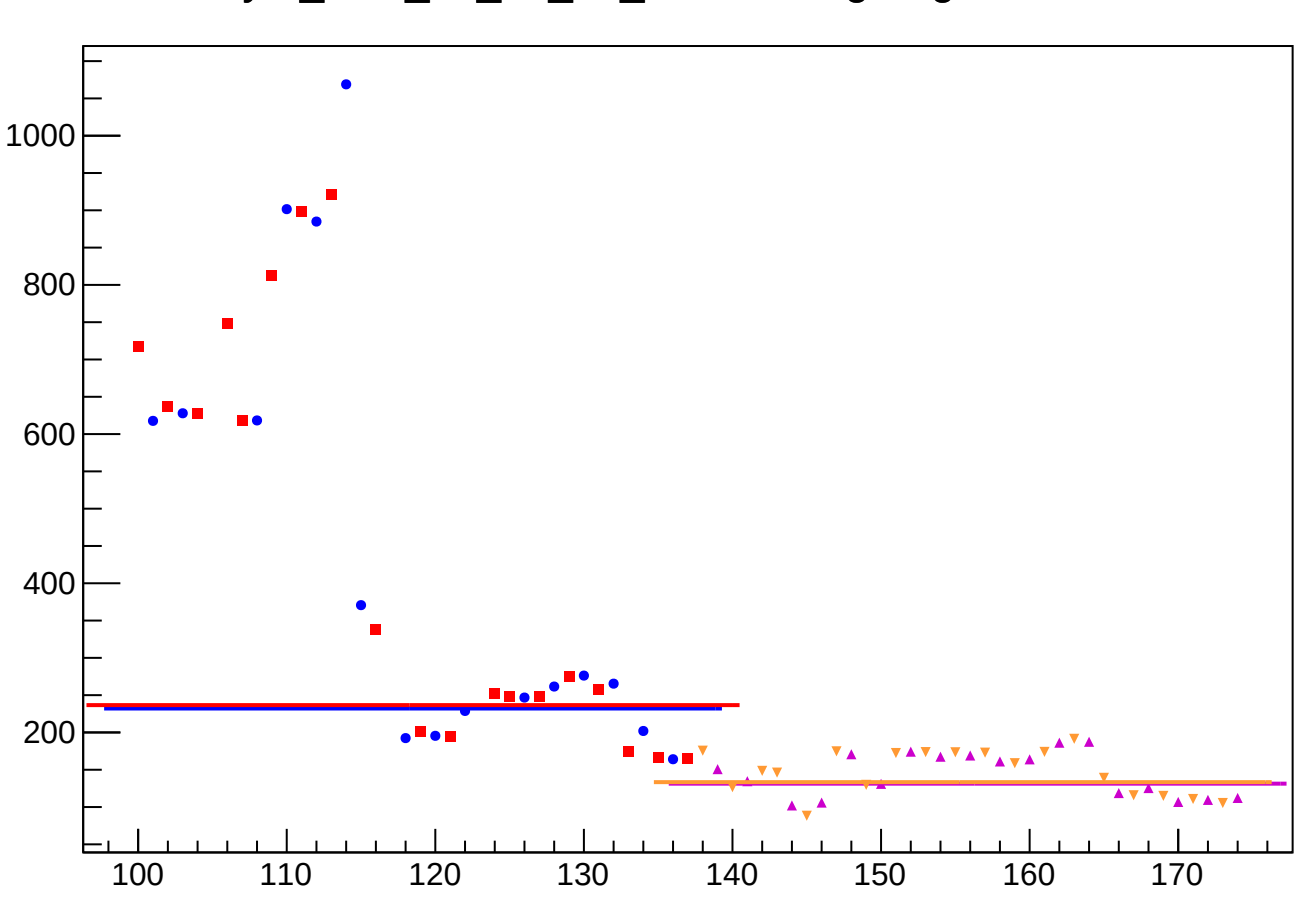
Left: 78.286+/-24.897 χ^2/NDF: 62.5/36

Right: -125.569+/-69.180 χ^2/NDF: 27.5/34

In: -20.924+/-32.879 χ^2/NDF:38.2/33

Out: 133.102+/-33.386 χ^2/NDF:48.7/37

All: 54.910+/-23.426 χ^2/NDF: 97.7/71



Right In: 232.107+/-0.068 χ^2/NDF: 2885510.6/15

Left Out: 133.378+/-0.025 χ^2/NDF:1514276.9/18

Right Out: 236.647+/-0.070 χ^2/NDF: 3521033.7/18

Left In: 131.347+/-0.025 χ^2/NDF:1210428.7/17

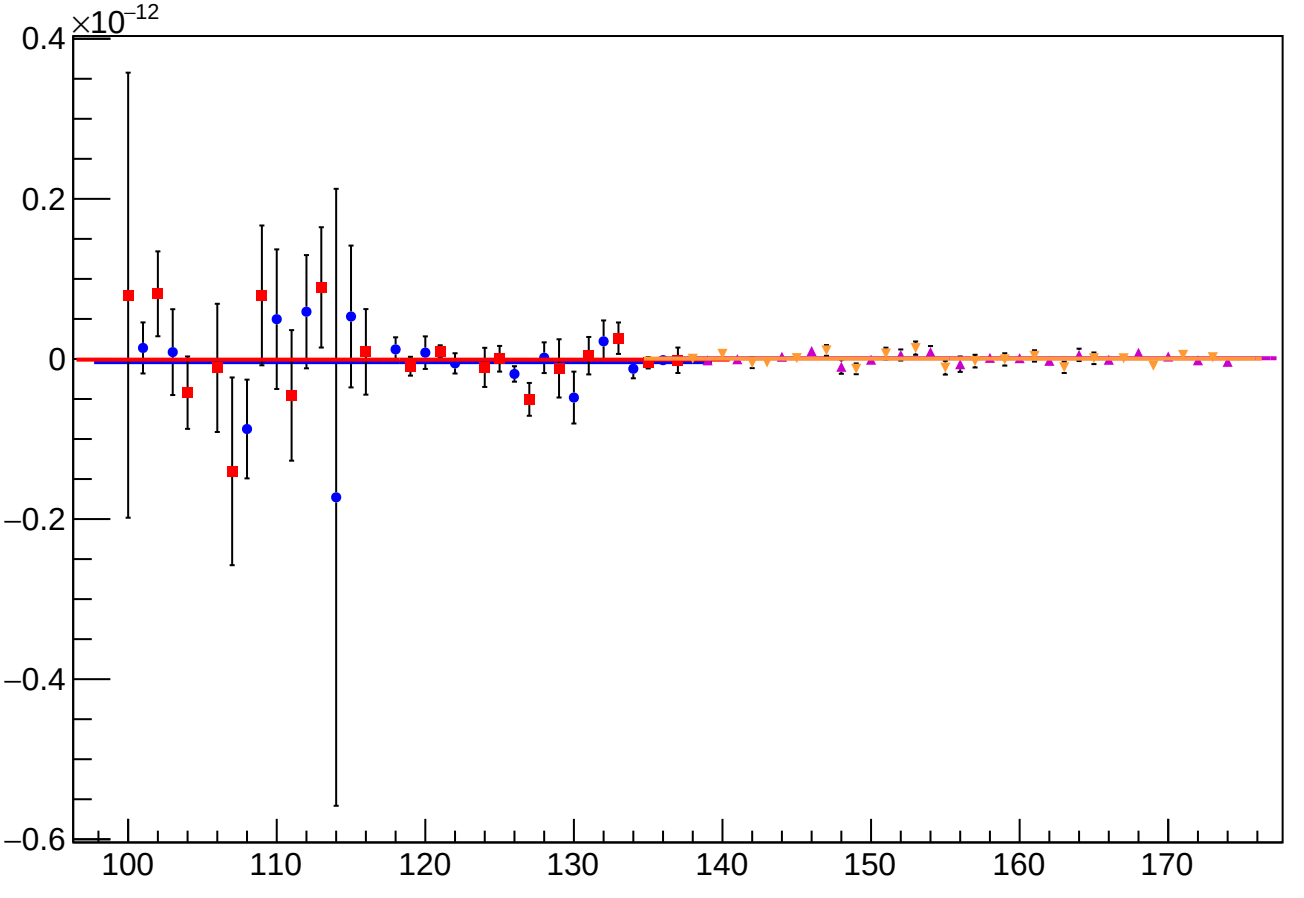
Left: 132.349+/-0.018 χ^2/NDF: 2728030.5/36

Right: 234.316+/-0.049 χ^2/NDF: 6408696.2/34

In: 143.032+/-0.023 χ^2/NDF:6021515.4/33

Out: 145.081+/-0.024 χ^2/NDF:6958128.7/37

All: 144.041+/-0.017 χ^2/NDF: 12983469.3/71



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:22.5/18

Right Out: -0.000+/-0.000 χ^2/NDF: 18.1/18

Left In: 0.000+/-0.000 χ^2/NDF:11.0/17

Left: 0.000+/-0.000 χ^2/NDF: 33.5/36

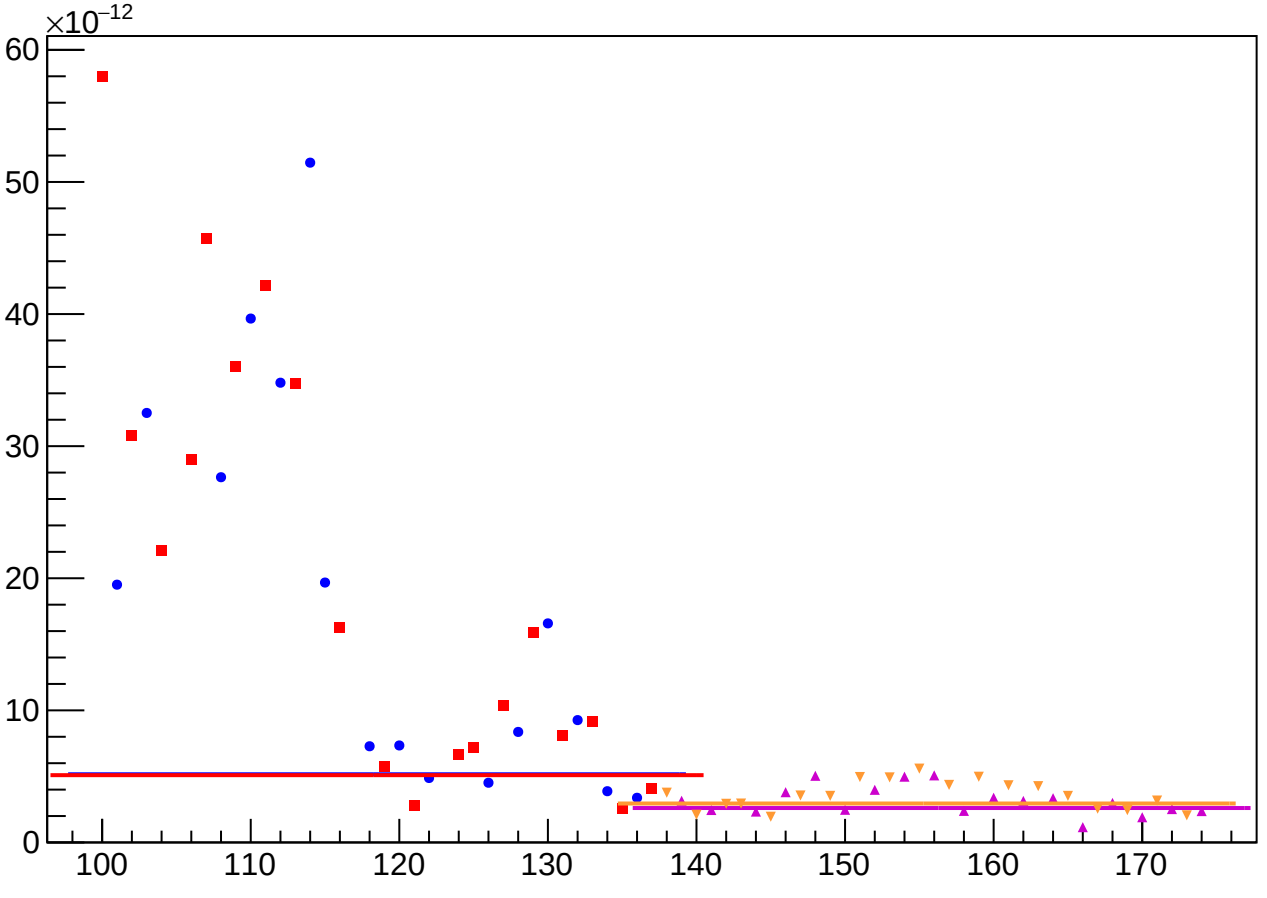
Right: -0.000+/-0.000 χ^2/NDF: 29.8/34

In: 0.000+/-0.000 χ^2/NDF:24.0/33

Out: 0.000+/-0.000 χ^2/NDF:40.6/37

All: 0.000+/-0.000 χ^2/NDF: 64.7/71

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 2618432.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:1347530.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3236196.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1249670.3/17

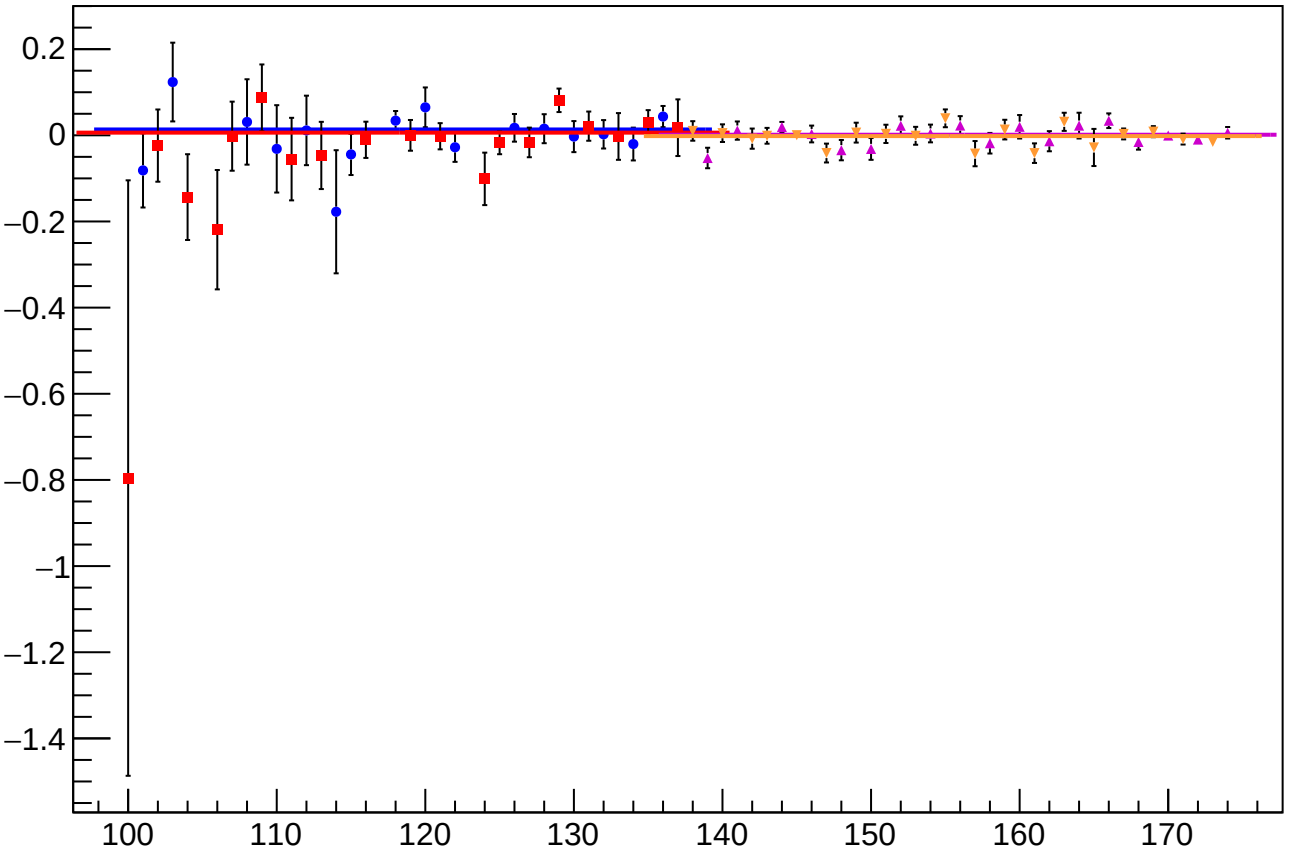
Left: 0.000+/-0.000 χ^2/NDF: 2678515.8/36

Right: 0.000+/-0.000 χ^2/NDF: 5854929.1/34

In: 0.000+/-0.000 χ^2/NDF:4749638.9/33

Out: 0.000+/-0.000 χ^2/NDF:5121070.6/37

All: 0.000+/-0.000 χ^2/NDF: 9938132.4/71



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

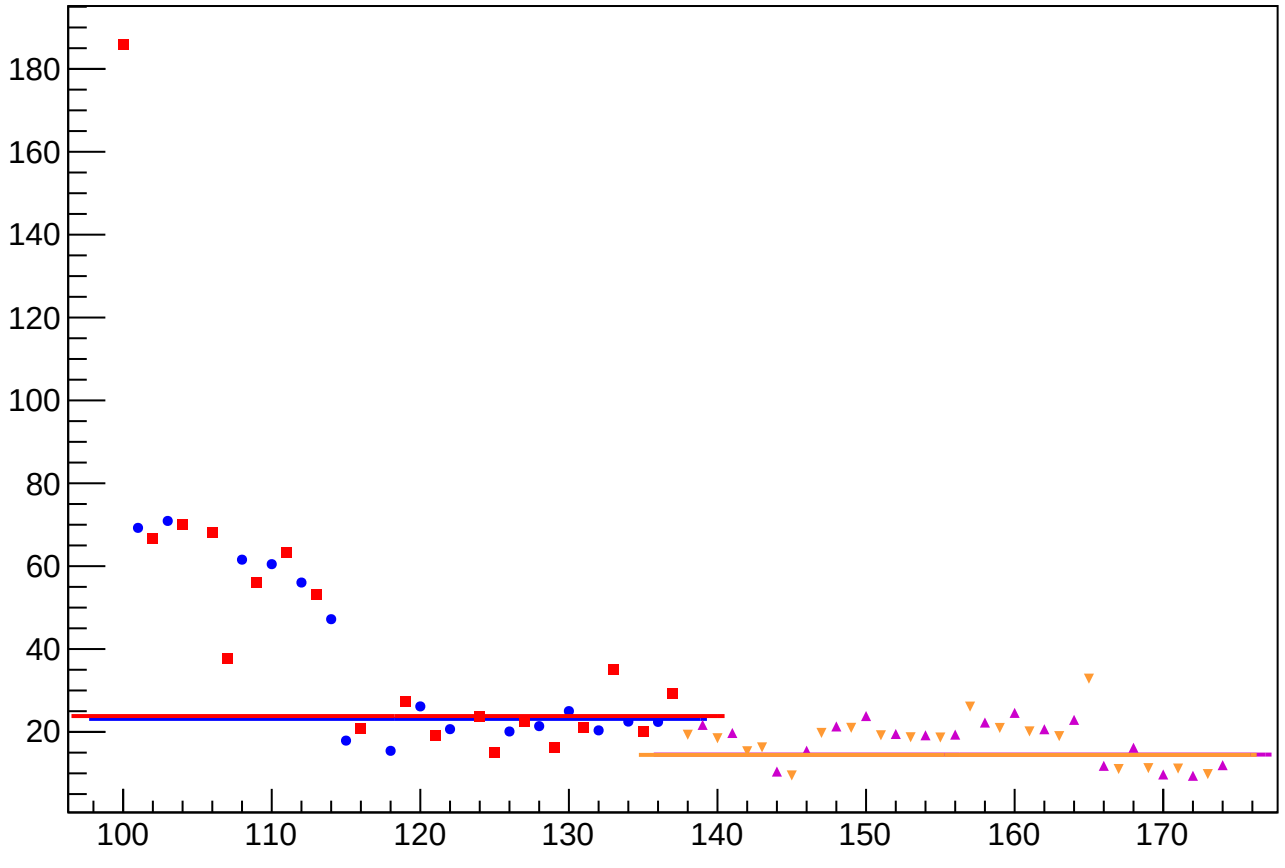
Left: -0.000+/-0.003 χ^2/NDF: 40.3/36

Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.2/71



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921128.1/18

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

Left: 14.492+/-0.002 χ^2/NDF: 5972137.2/36

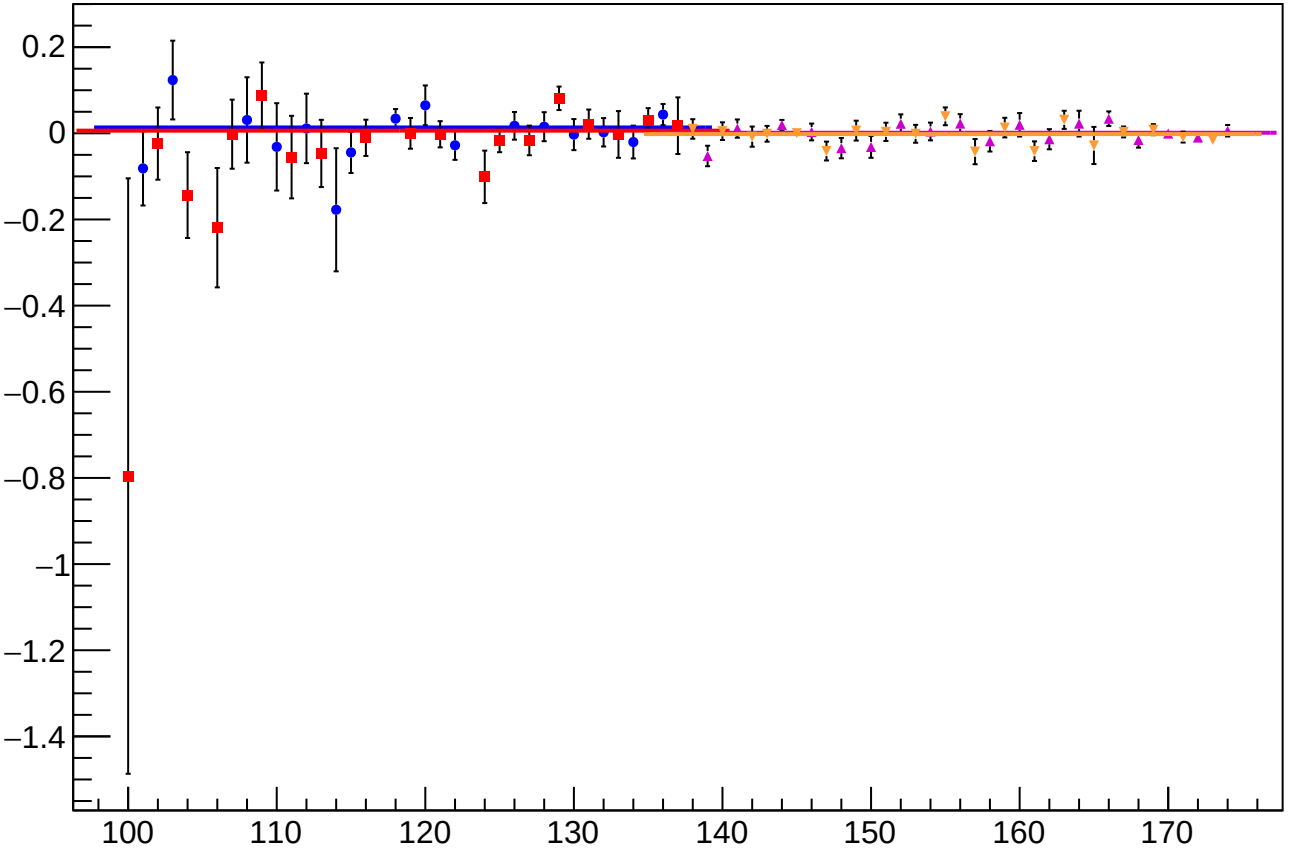
Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.809+/-0.003 χ^2/NDF:6761066.3/33

Out: 15.743+/-0.003 χ^2/NDF:7313972.4/37

All: 15.775+/-0.002 χ^2/NDF: 14075341.4/71

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

Left: -0.000+/-0.003 χ^2/NDF: 40.3/36

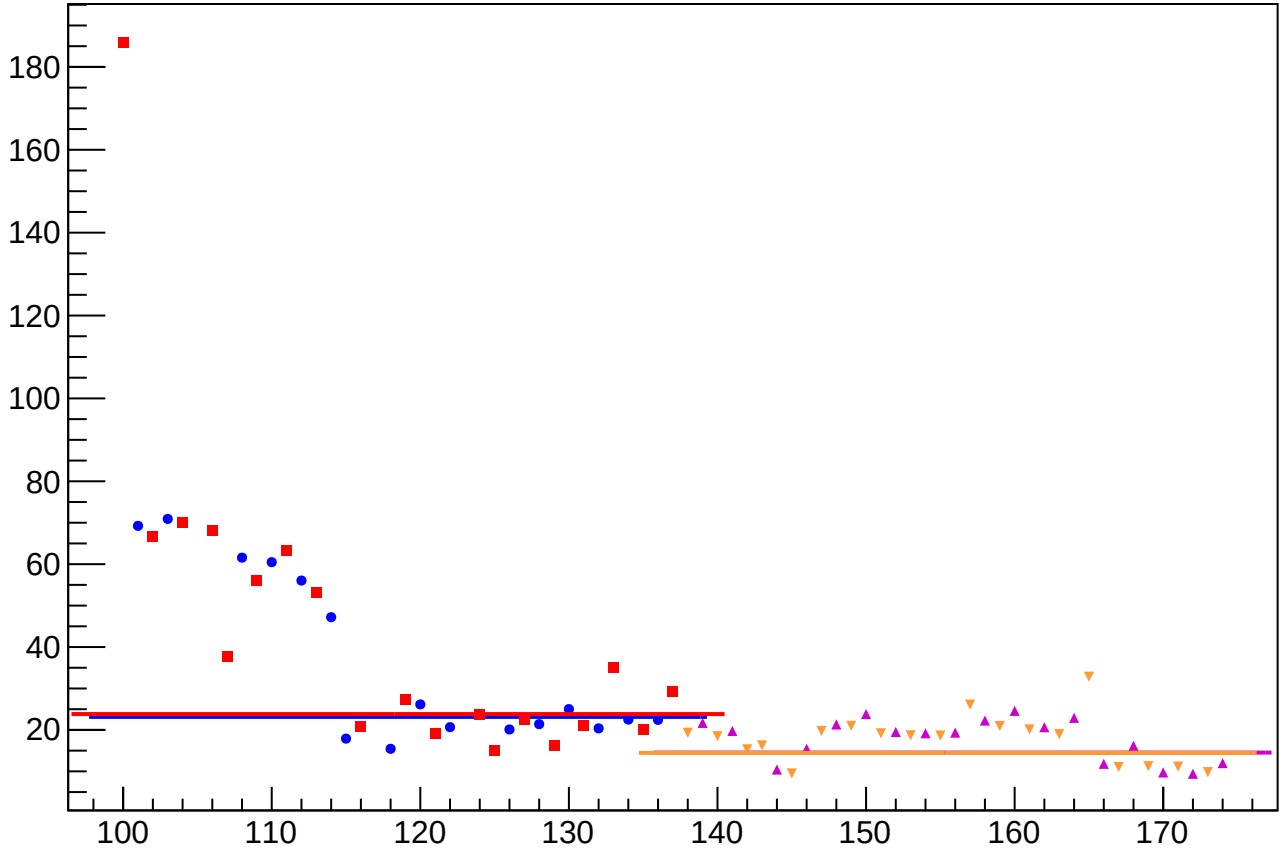
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.2/71

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.145+/-0.007 χ^2/NDF: 2406426.8/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921128.1/18

Right Out: 23.825+/-0.007 χ^2/NDF: 2898916.7/18

Left In: 14.529+/-0.003 χ^2/NDF:3050693.6/17

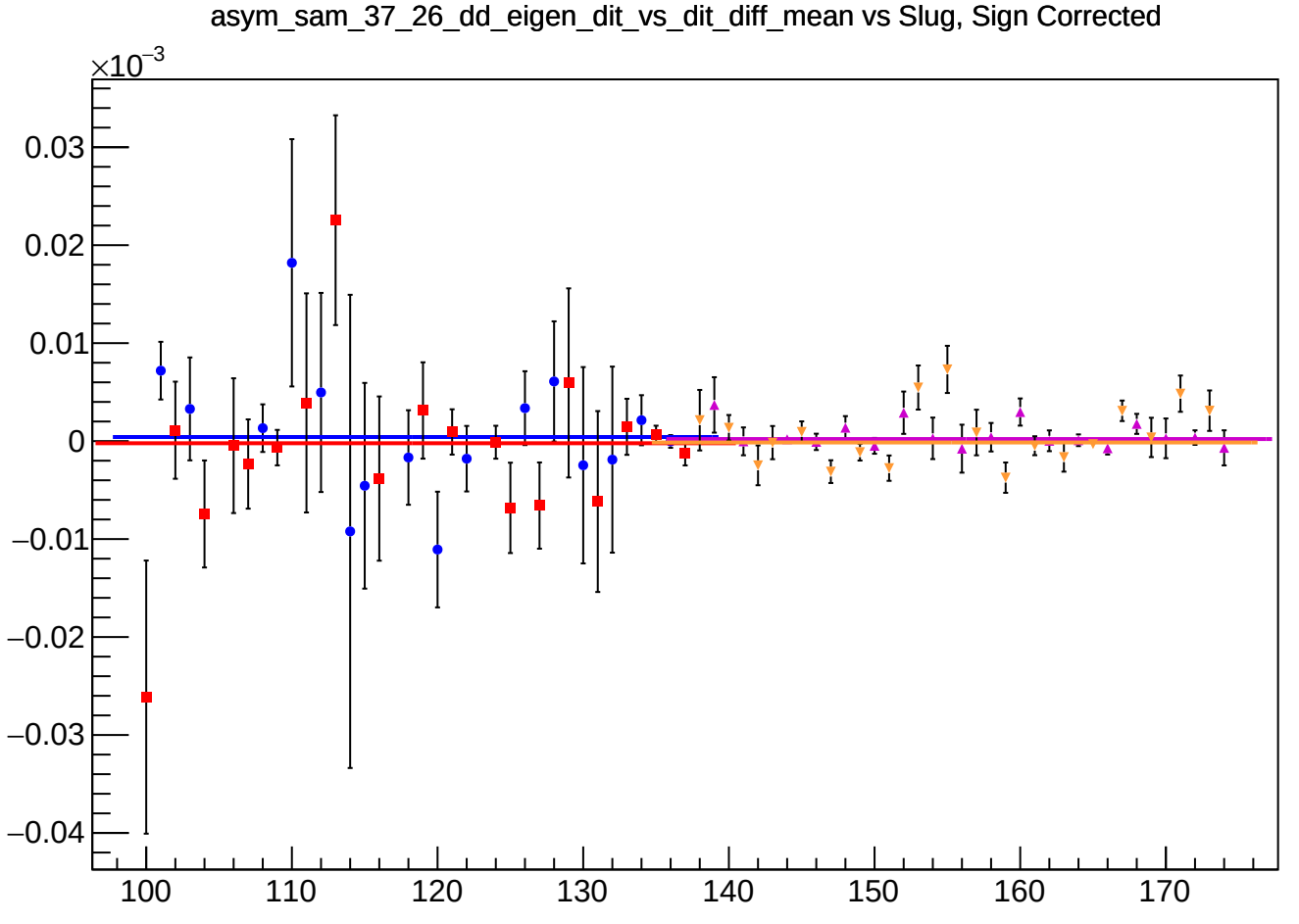
Left: 14.492+/-0.002 χ^2/NDF: 5972137.2/36

Right: 23.477+/-0.005 χ^2/NDF: 5310004.0/34

In: 15.809+/-0.003 χ^2/NDF:6761066.3/33

Out: 15.743+/-0.003 χ^2/NDF:7313972.4/37

All: 15.775+/-0.002 χ^2/NDF: 14075341.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 15.3/15

Left Out: -0.000+/-0.000 χ^2/NDF:58.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/18

Left In: 0.000+/-0.000 χ^2/NDF:13.9/17

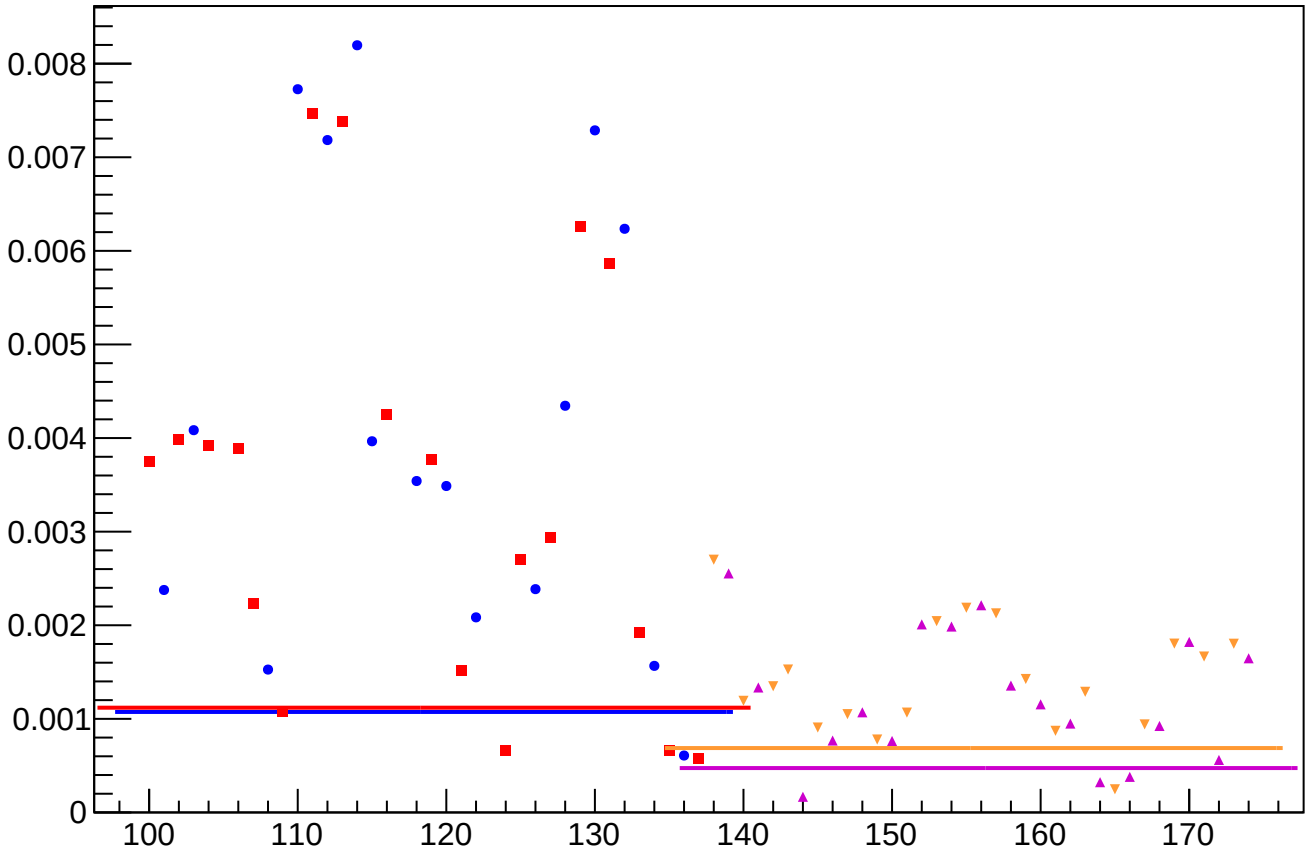
Left: 0.000+/-0.000 χ^2/NDF: 73.6/36

Right: 0.000+/-0.000 χ^2/NDF: 33.8/34

In: 0.000+/-0.000 χ^2/NDF:29.3/33

Out: -0.000+/-0.000 χ^2/NDF:76.2/37

All: 0.000+/-0.000 χ^2/NDF: 107.4/71



Right In: 0.001+/-0.000 χ^2/NDF: 7045313.7/15

Left Out: 0.001+/-0.000 χ^2/NDF:11190098.1/18

Right Out: 0.001+/-0.000 χ^2/NDF: 6796343.2/18

Left In: 0.000+/-0.000 χ^2/NDF:12736260.8/17

Left: 0.001+/-0.000 χ^2/NDF: 25002243.0/36

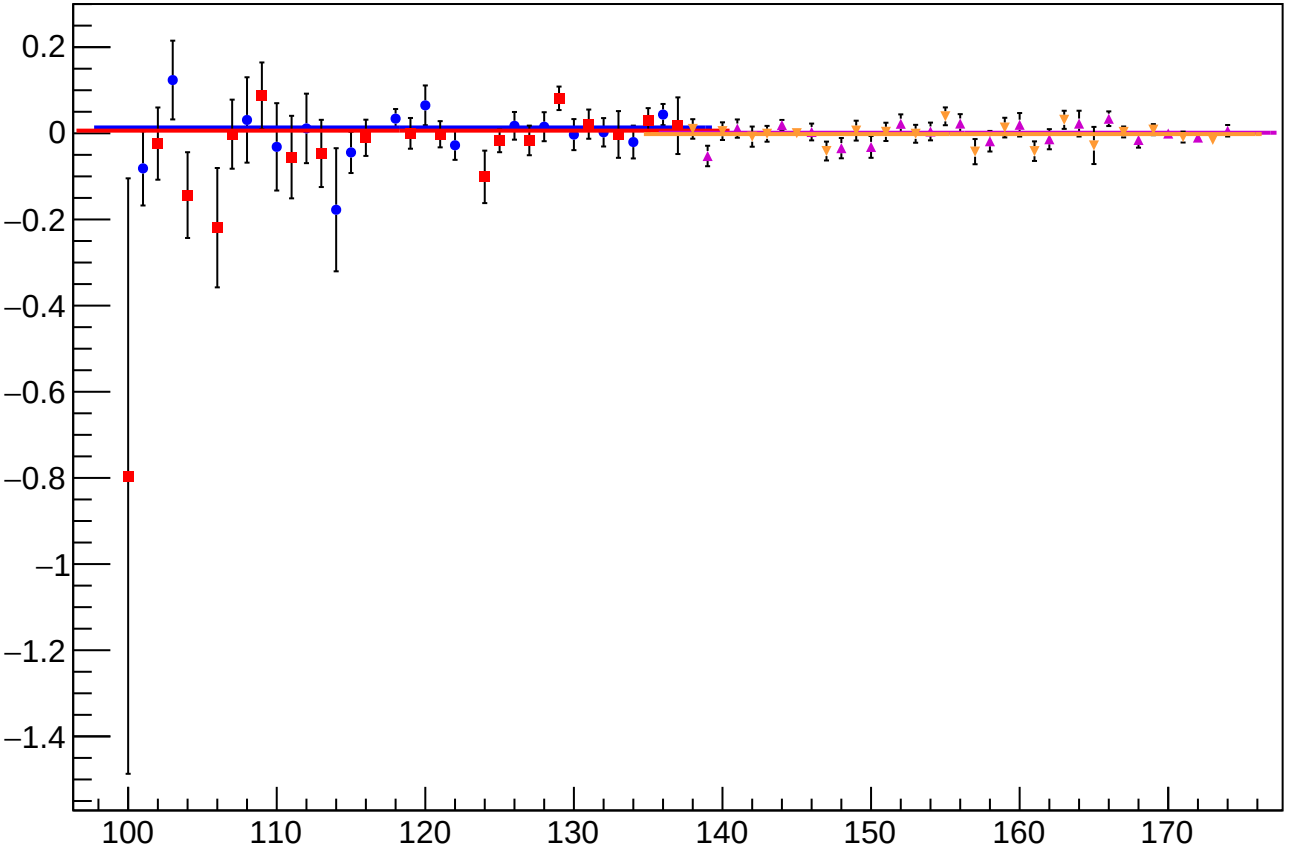
Right: 0.001+/-0.000 χ^2/NDF: 13848160.8/34

In: 0.001+/-0.000 χ^2/NDF:21850729.8/33

Out: 0.001+/-0.000 χ^2/NDF:18977102.4/37

All: 0.001+/-0.000 χ^2/NDF: 42105983.8/71

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

Left: -0.000+/-0.003 χ^2/NDF: 40.3/36

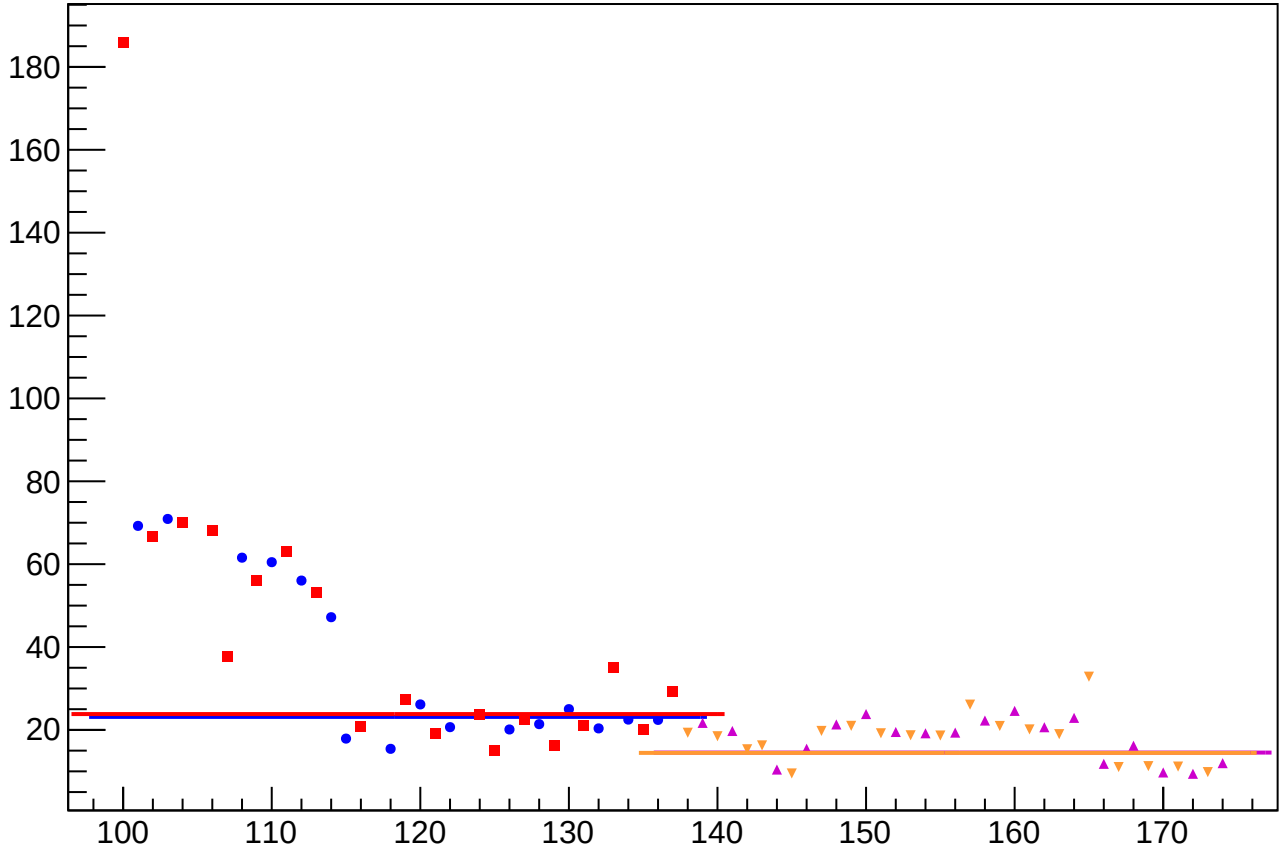
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.2/71

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921257.8/18

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

Left: 14.492+/-0.002 χ^2/NDF: 5972305.6/36

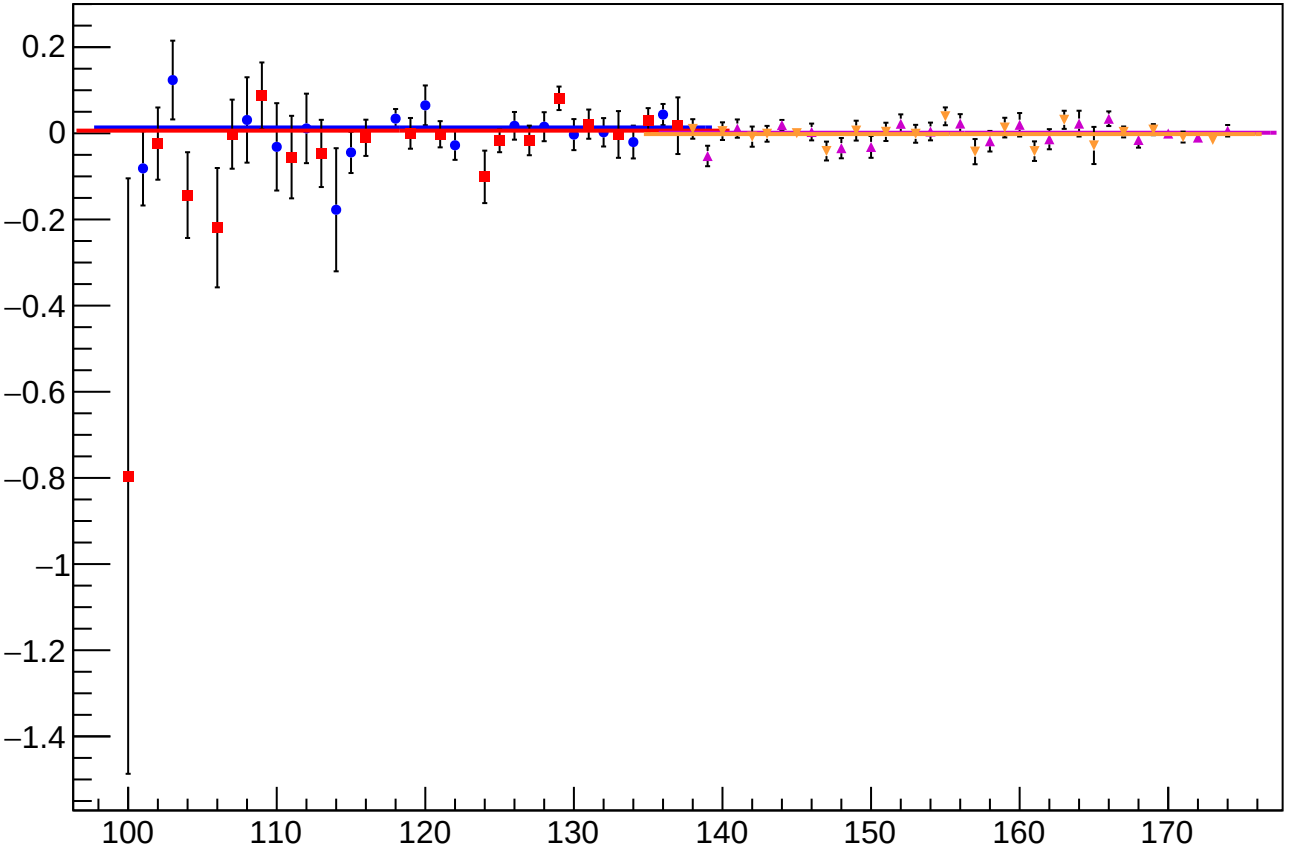
Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.809+/-0.003 χ^2/NDF:6760816.4/33

Out: 15.743+/-0.003 χ^2/NDF:7313906.8/37

All: 15.775+/-0.002 χ^2/NDF: 14075025.9/71

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.010 χ^2/NDF: 12.3/15

Left Out: -0.002+/-0.004 χ^2/NDF:18.7/18

Right Out: 0.006+/-0.010 χ^2/NDF: 21.5/18

Left In: 0.001+/-0.004 χ^2/NDF:21.4/17

Left: -0.000+/-0.003 χ^2/NDF: 40.3/36

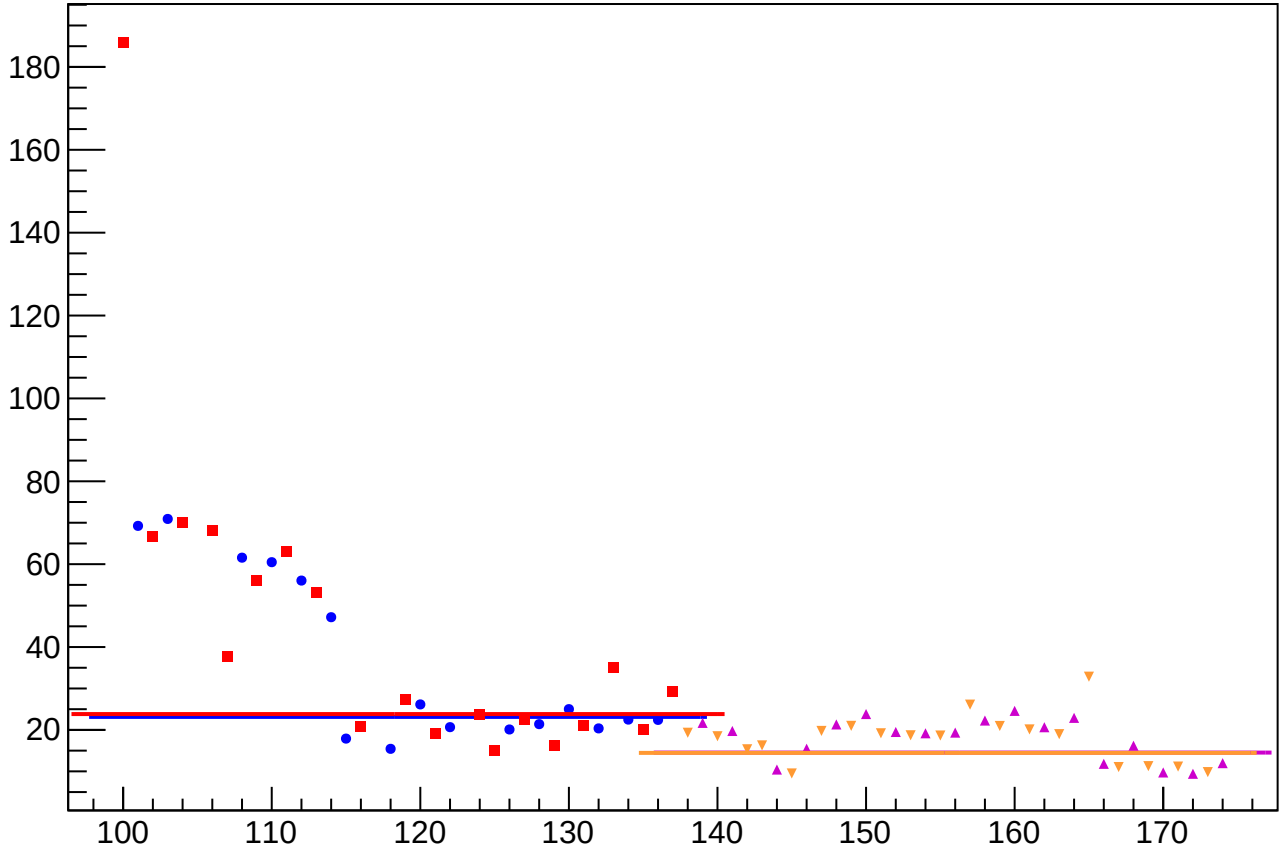
Right: 0.010+/-0.007 χ^2/NDF: 34.1/34

In: 0.003+/-0.004 χ^2/NDF:35.0/33

Out: -0.001+/-0.004 χ^2/NDF:40.7/37

All: 0.001+/-0.003 χ^2/NDF: 76.2/71

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.144+/-0.007 χ^2/NDF: 2406451.1/15

Left Out: 14.457+/-0.003 χ^2/NDF:2921257.8/18

Right Out: 23.824+/-0.007 χ^2/NDF: 2898863.9/18

Left In: 14.529+/-0.003 χ^2/NDF:3050731.8/17

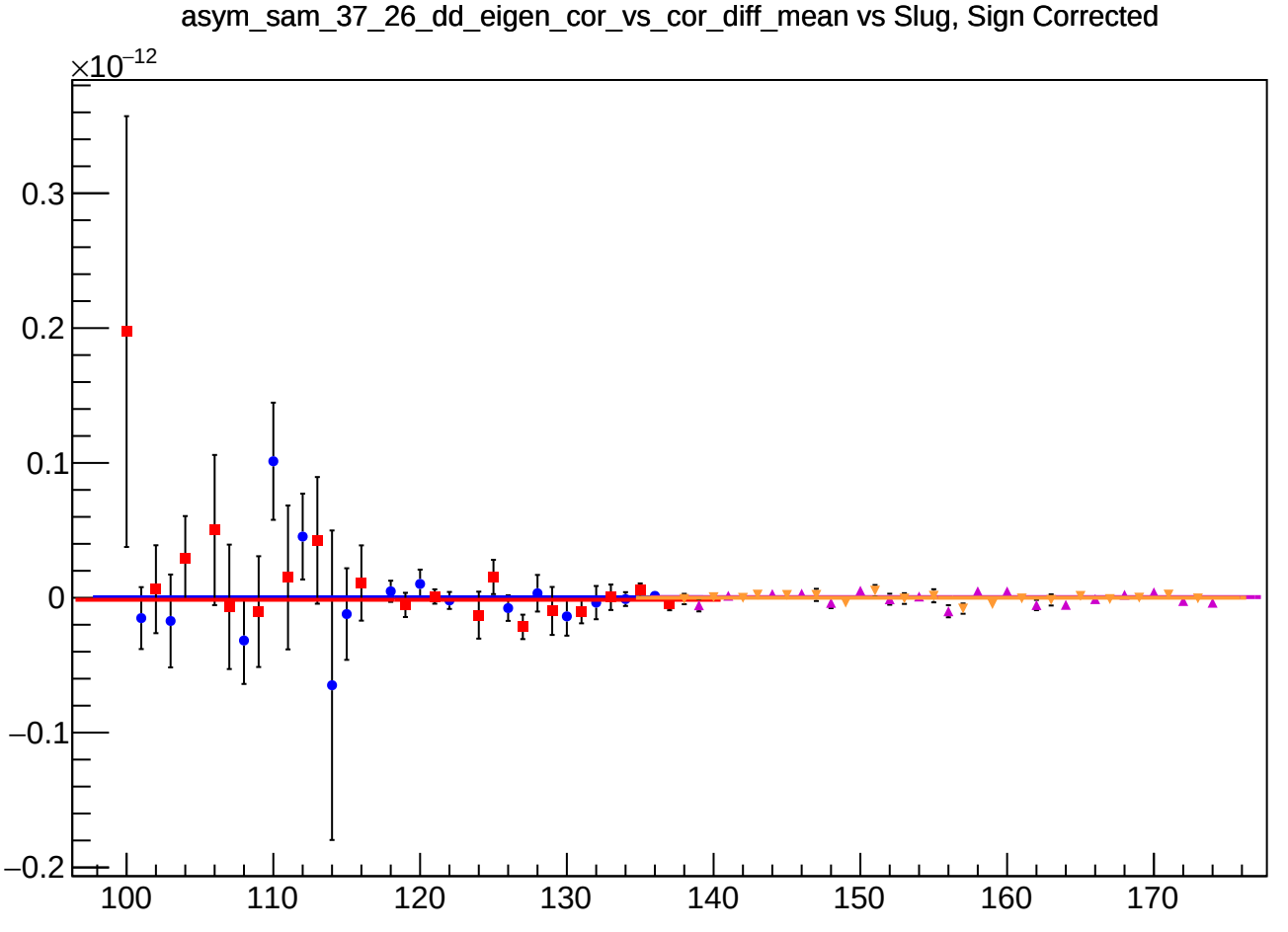
Left: 14.492+/-0.002 χ^2/NDF: 5972305.6/36

Right: 23.476+/-0.005 χ^2/NDF: 5309985.6/34

In: 15.809+/-0.003 χ^2/NDF:6760816.4/33

Out: 15.743+/-0.003 χ^2/NDF:7313906.8/37

All: 15.775+/-0.002 χ^2/NDF: 14075025.9/71



Right In: 0.000+/-0.000 χ^2/NDF: 12.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:13.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

Left In: 0.000+/-0.000 χ^2/NDF:30.0/17

Left: 0.000+/-0.000 χ^2/NDF: 43.8/36

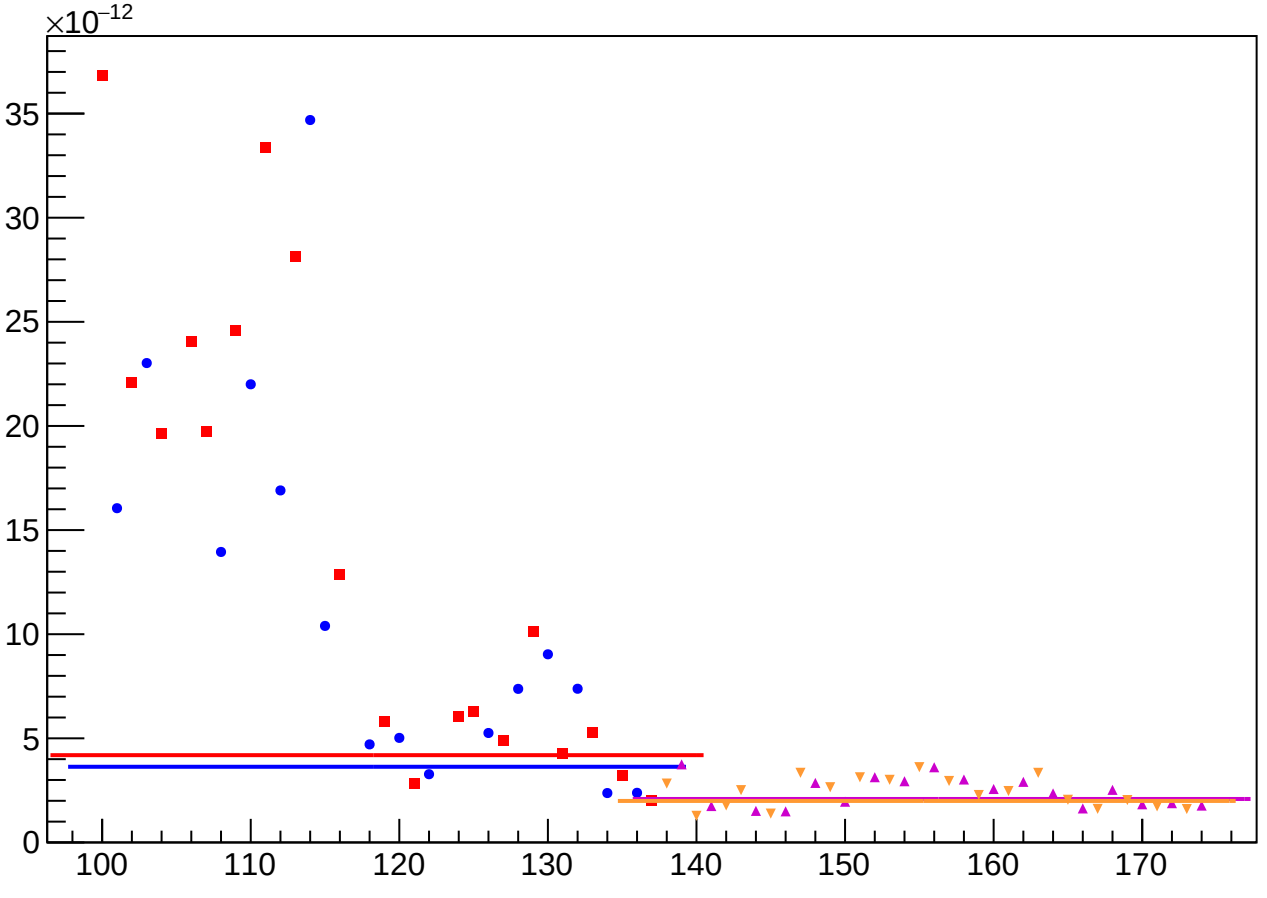
Right: -0.000+/-0.000 χ^2/NDF: 28.9/34

In: 0.000+/-0.000 χ^2/NDF:42.9/33

Out: -0.000+/-0.000 χ^2/NDF:29.6/37

All: 0.000+/-0.000 χ^2/NDF: 72.9/71

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3590314.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:2033565.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 4454808.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1655993.0/17

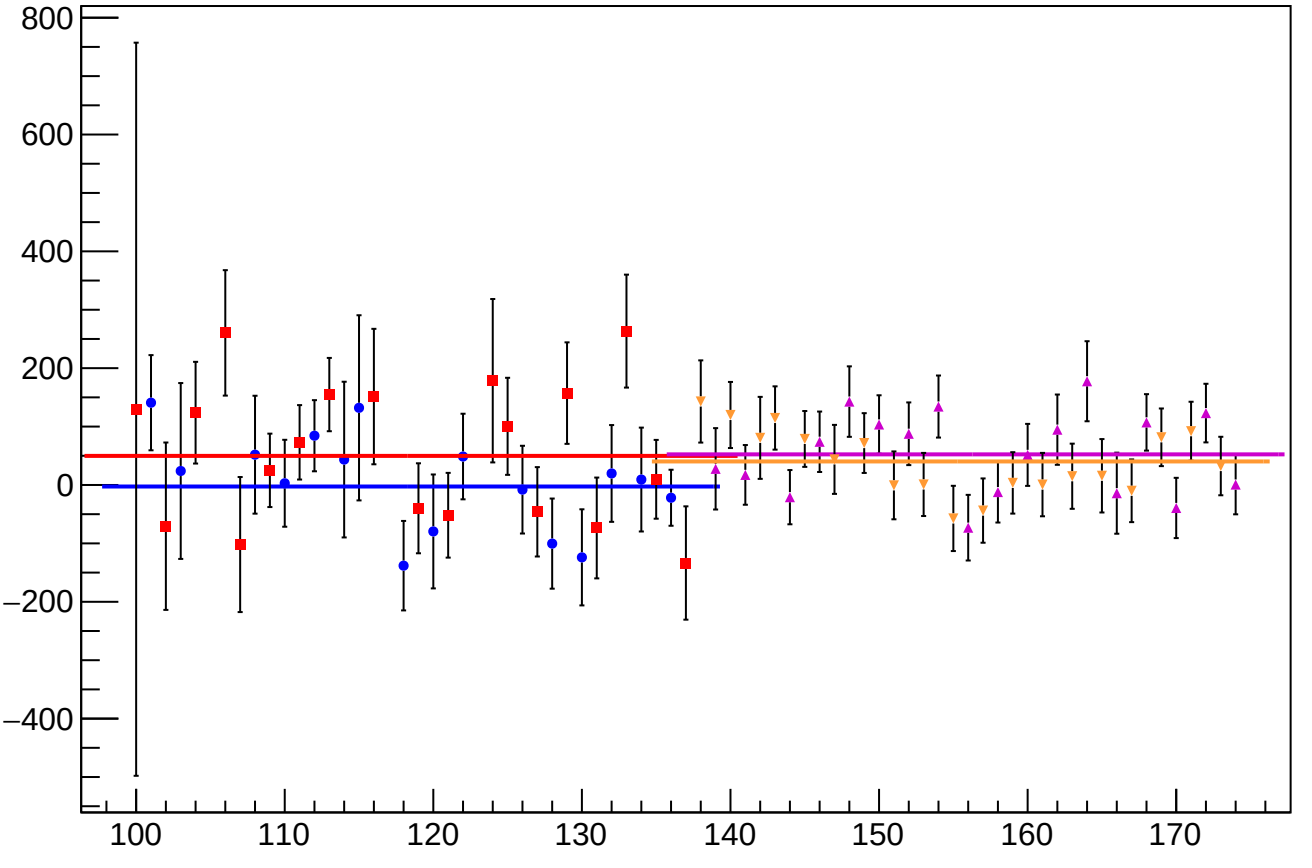
Left: 0.000+/-0.000 χ^2/NDF: 3709983.4/36

Right: 0.000+/-0.000 χ^2/NDF: 8108622.5/34

In: 0.000+/-0.000 χ^2/NDF:6269289.2/33

Out: 0.000+/-0.000 χ^2/NDF:8105288.6/37

All: 0.000+/-0.000 χ^2/NDF: 14394299.2/71



Right In: -2.614+/-19.994 χ^2/NDF: 14.6/15

Left Out: 40.295+/-12.620 χ^2/NDF:17.8/18

Right Out: 49.810+/-19.621 χ^2/NDF: 29.4/18

Left In: 52.419+/-12.778 χ^2/NDF:28.1/17

Left: 46.281+/-8.979 χ^2/NDF: 46.3/36

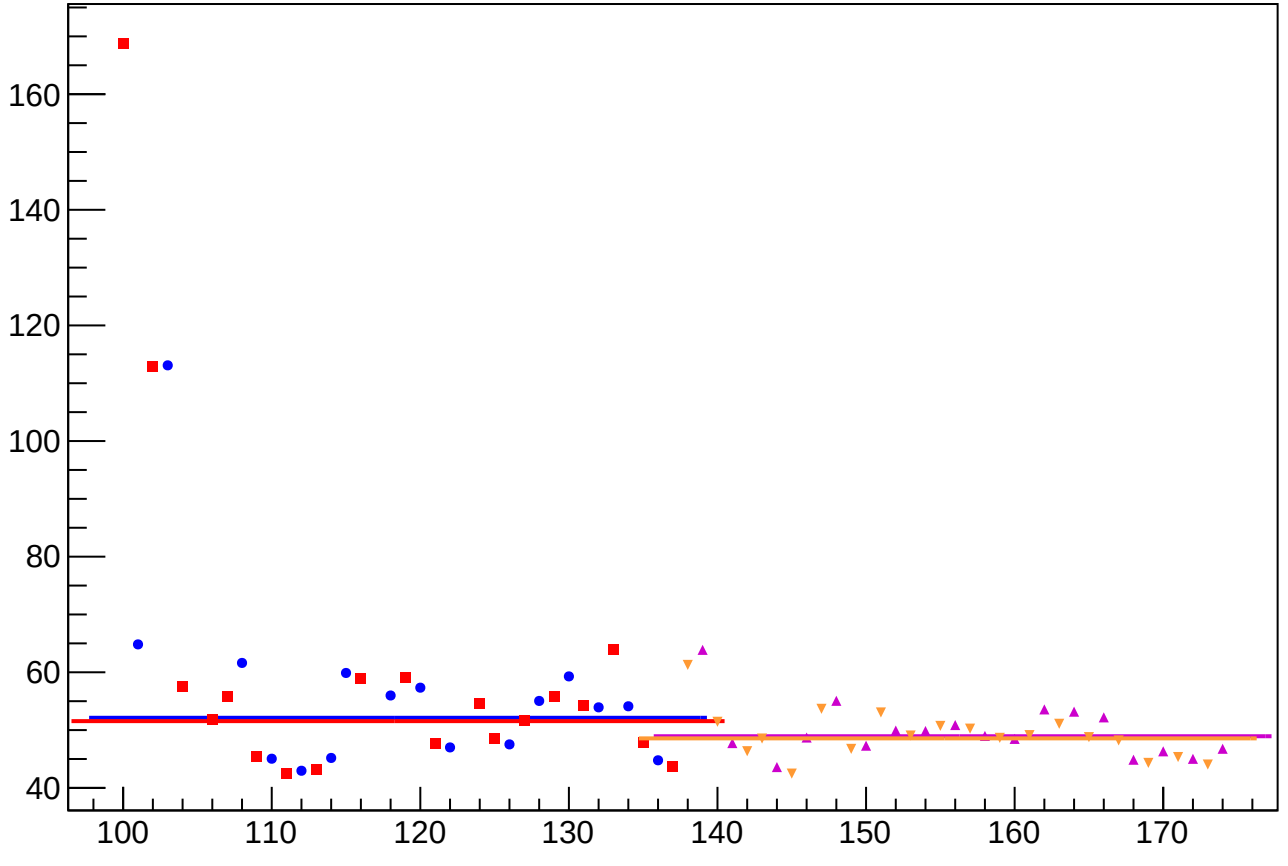
Right: 24.091+/-14.004 χ^2/NDF: 47.4/34

In: 36.460+/-10.767 χ^2/NDF:48.1/33

Out: 43.079+/-10.614 χ^2/NDF:47.3/37

All: 39.817+/-7.559 χ^2/NDF: 95.6/71

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562918.0/15

Left Out: 48.567+/-0.009 χ^2/NDF:182977.8/18

Right Out: 51.550+/-0.014 χ^2/NDF: 639564.9/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

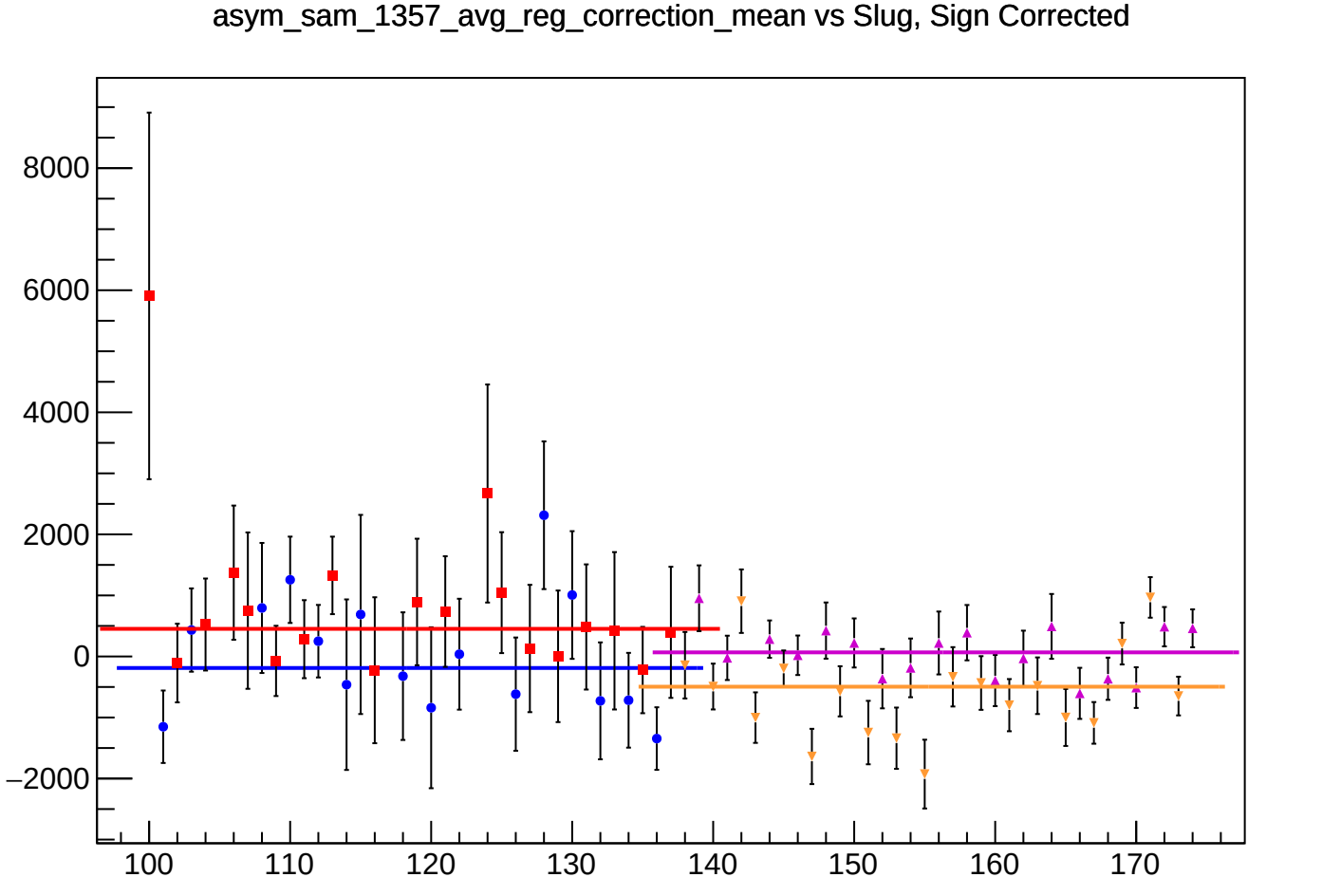
Left: 48.750+/-0.006 χ^2/NDF: 388917.0/36

Right: 51.834+/-0.010 χ^2/NDF: 1203336.1/34

In: 49.862+/-0.008 χ^2/NDF:804198.4/33

Out: 49.440+/-0.008 χ^2/NDF:855236.9/37

All: 49.648+/-0.005 χ^2/NDF: 1660995.4/71



Right In: -188.563+/-205.811 χ^2/NDF: 21.4/15

Left Out: -495.482+/-93.907 χ^2/NDF:56.7/18

Right Out: 452.540+/-203.918 χ^2/NDF: 11.3/18

Left In: 67.068+/-92.651 χ^2/NDF:18.0/17

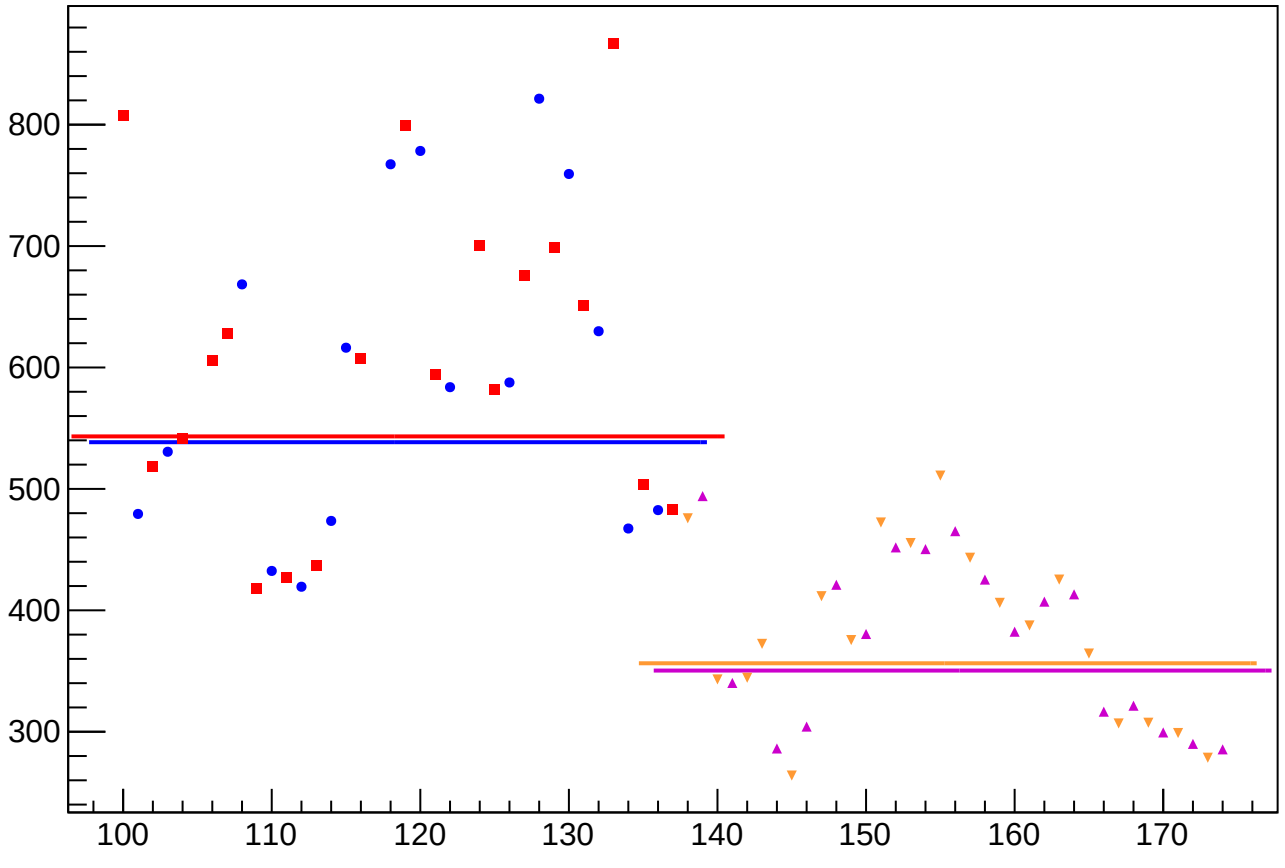
Left: -210.420+/-65.954 χ^2/NDF: 92.9/36

Right: 134.950+/-144.856 χ^2/NDF: 37.6/34

In: 23.992+/-84.485 χ^2/NDF:40.7/33

Out: -329.610+/-85.297 χ^2/NDF:85.8/37

All: -151.118+/-60.025 χ^2/NDF: 135.2/71



Right In: 538.468+/-0.146 χ^2/NDF: 613995.2/15

Left Out: 356.384+/-0.066 χ^2/NDF:1069907.4/18

Right Out: 543.242+/-0.144 χ^2/NDF: 637115.5/18

Left In: 350.383+/-0.066 χ^2/NDF:960322.3/17

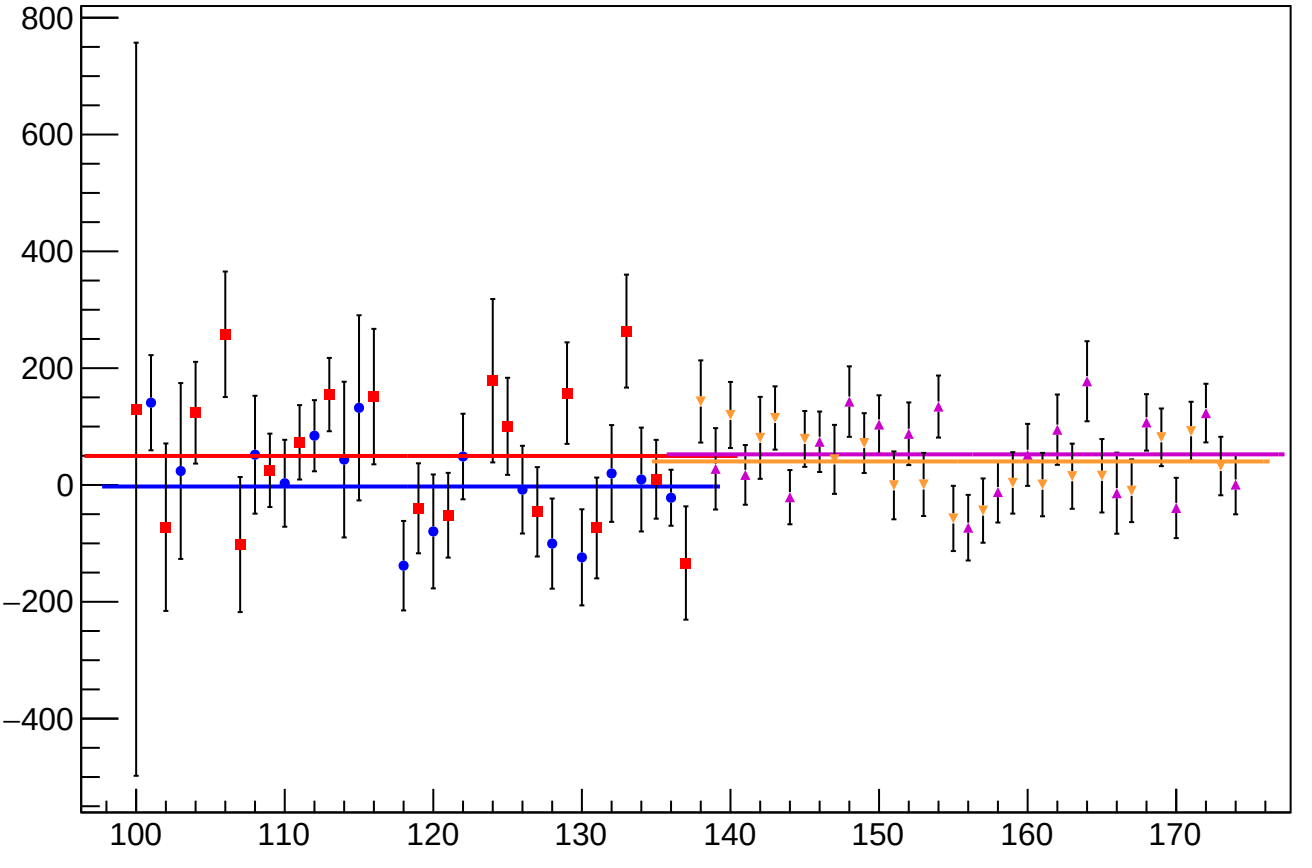
Left: 353.343+/-0.047 χ^2/NDF: 2034369.6/36

Right: 540.877+/-0.102 χ^2/NDF: 1251653.7/34

In: 382.077+/-0.060 χ^2/NDF:2963180.8/33

Out: 389.078+/-0.060 χ^2/NDF:3092537.5/37

All: 385.544+/-0.042 χ^2/NDF: 6062520.9/71



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.296+/-12.620 χ^2/NDF:17.8/18

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 52.417+/-12.778 χ^2/NDF:28.1/17

Left: 46.281+/-8.979 χ^2/NDF: 46.3/36

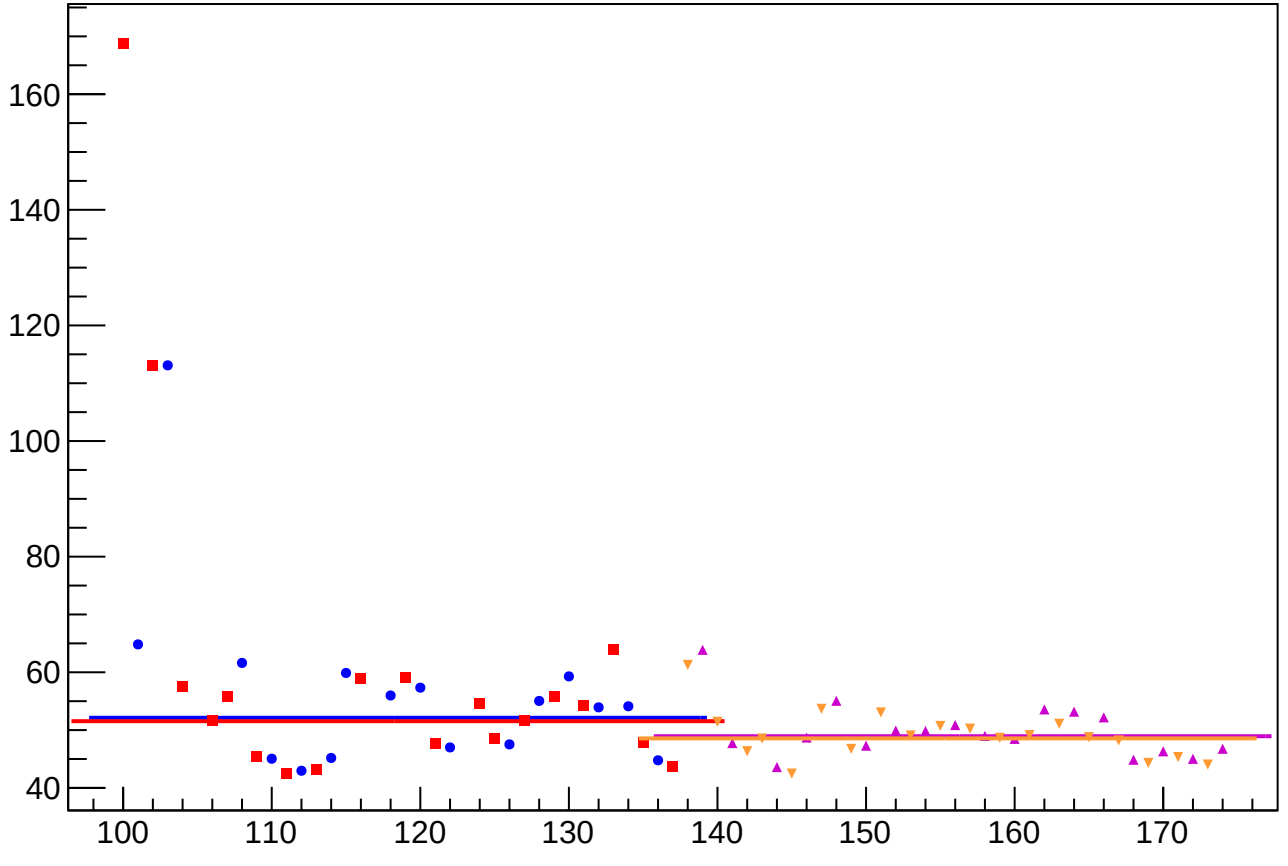
Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 36.457+/-10.767 χ^2/NDF:48.1/33

Out: 43.046+/-10.614 χ^2/NDF:47.2/37

All: 39.799+/-7.559 χ^2/NDF: 95.5/71

cor_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.567+/-0.009 χ^2/NDF:182977.8/18

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

Left: 48.750+/-0.006 χ^2/NDF: 388917.0/36

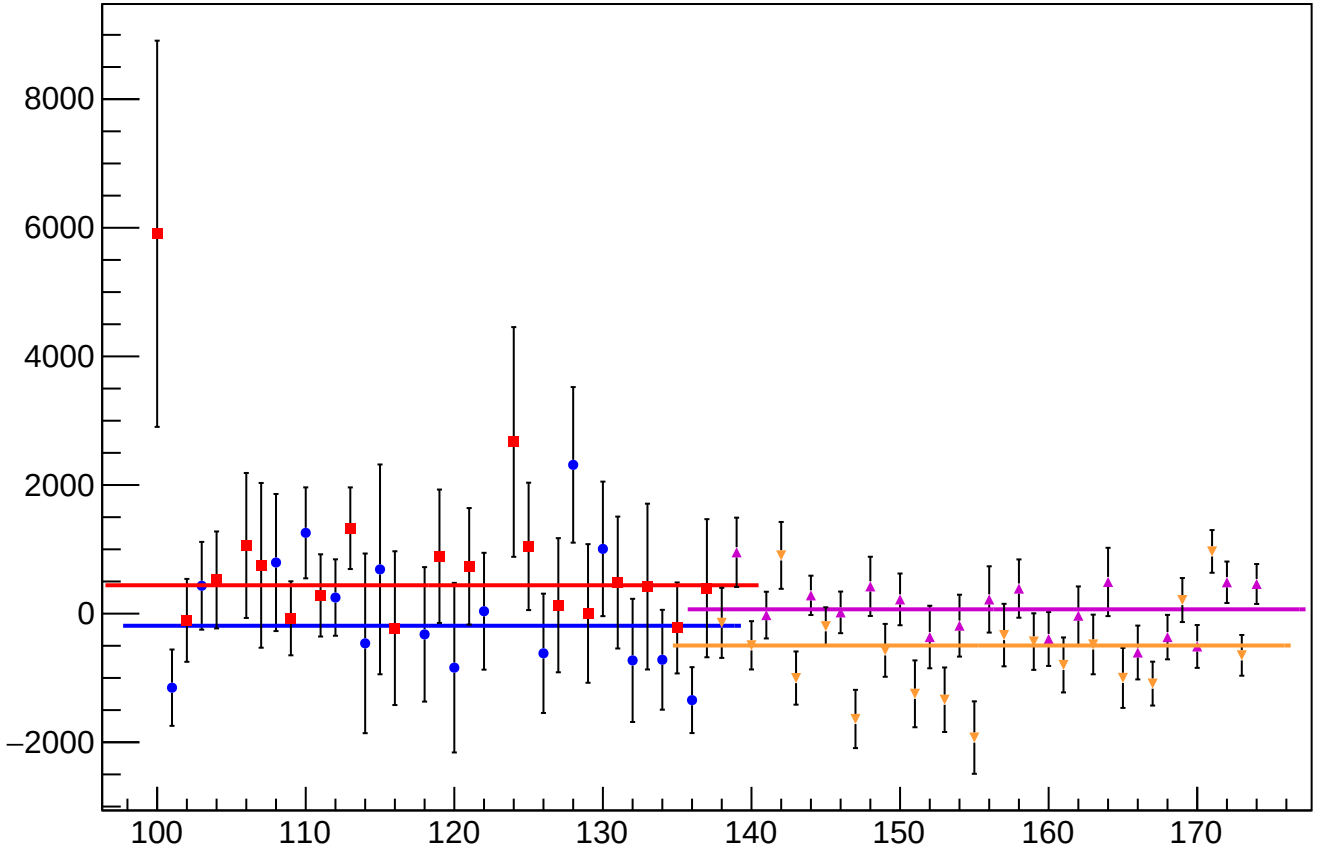
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.862+/-0.008 χ^2/NDF:804200.6/33

Out: 49.437+/-0.008 χ^2/NDF:855230.0/37

All: 49.647+/-0.005 χ^2/NDF: 1661013.3/71

asym_sam_1357_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -188.541+/-205.813 χ^2/NDF: 21.4/15

Left Out: -495.479+/-93.907 χ^2/NDF:56.7/18

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 67.069+/-92.651 χ^2/NDF:18.0/17

Left: -210.419+/-65.954 χ^2/NDF: 92.9/36

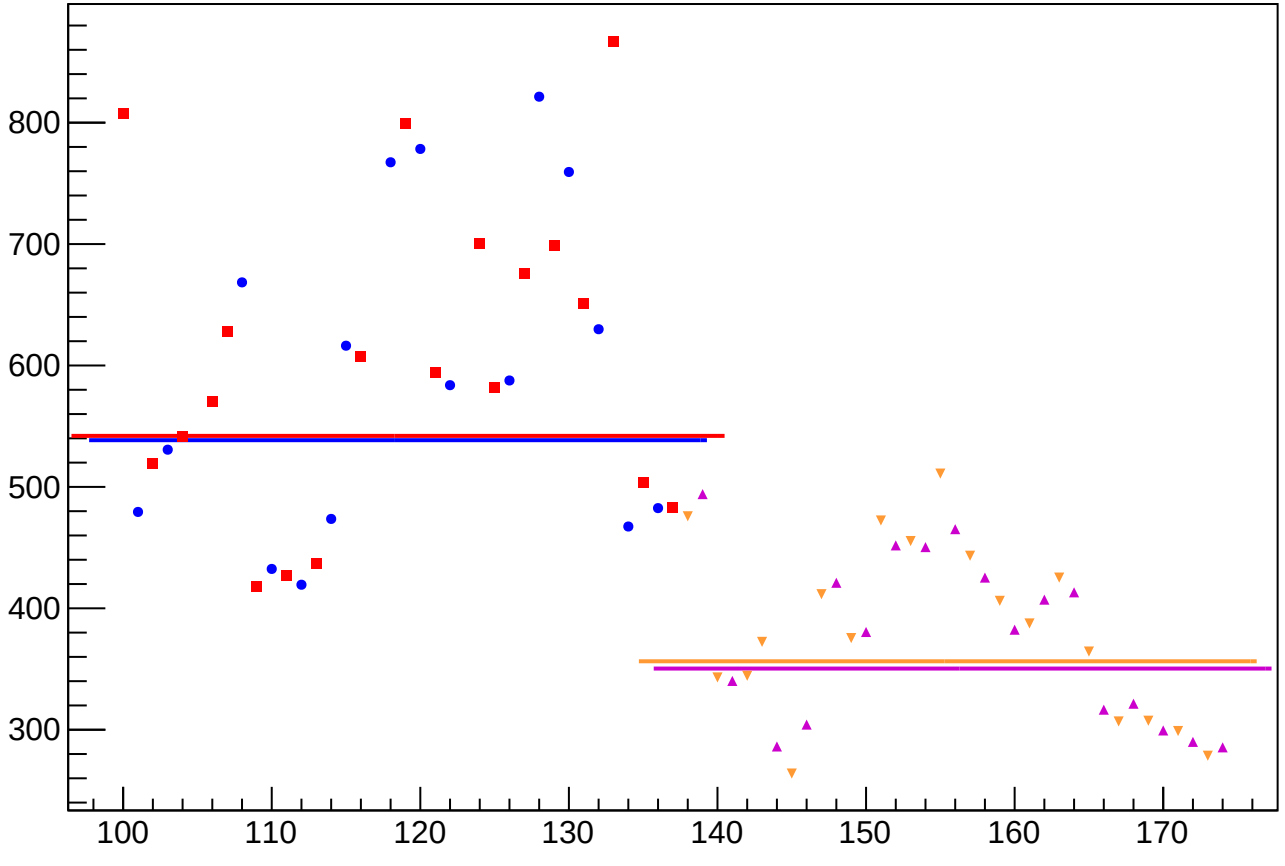
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 23.997+/-84.485 χ^2/NDF:40.7/33

Out: -331.853+/-85.311 χ^2/NDF:85.0/37

All: -152.197+/-60.030 χ^2/NDF: 134.4/71

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: 356.384+/-0.066 χ^2/NDF:1069911.3/18

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

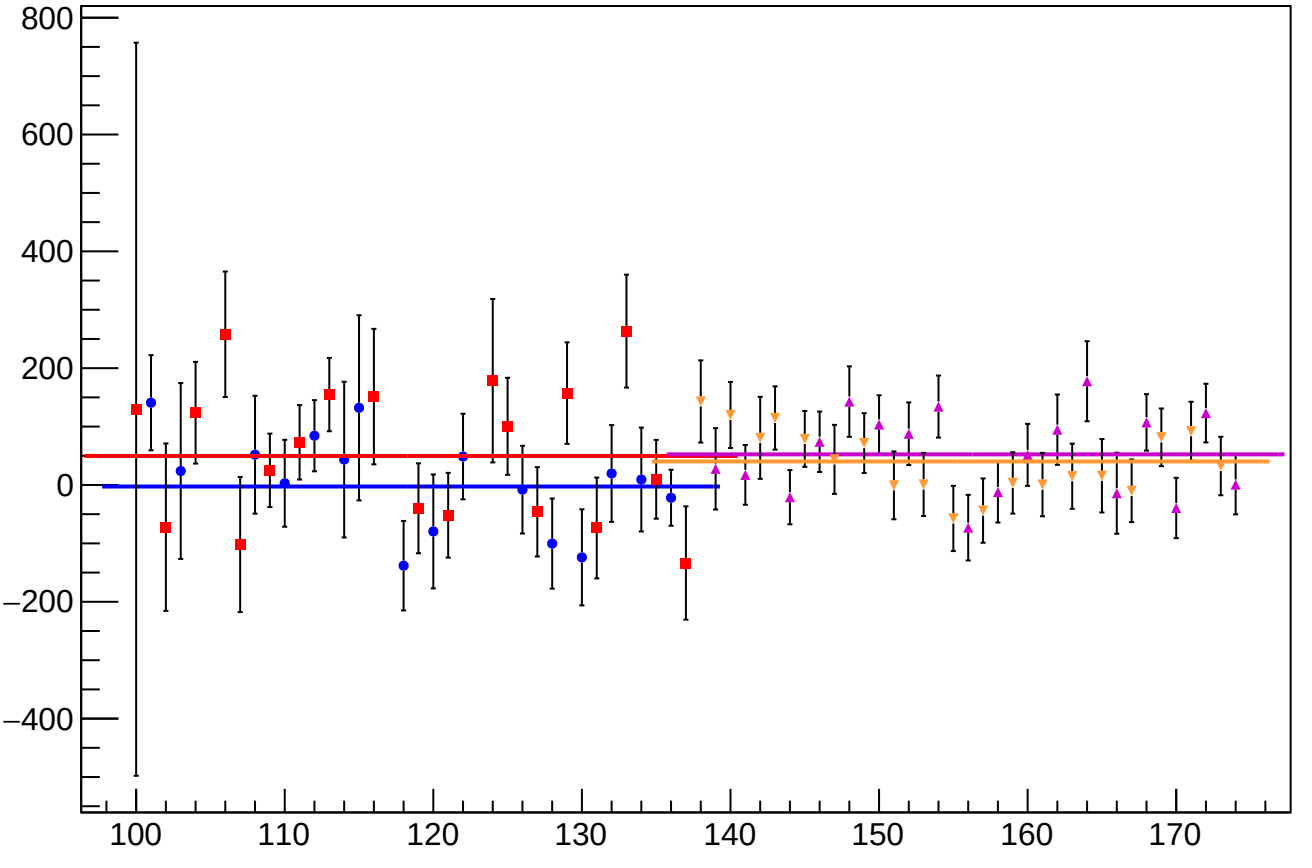
Left: 353.343+/-0.047 χ^2/NDF: 2034373.7/36

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 382.077+/-0.060 χ^2/NDF:2963234.4/33

Out: 388.815+/-0.060 χ^2/NDF:3066874.8/37

All: 385.413+/-0.042 χ^2/NDF: 6036407.5/71



Right In: -2.618+/-19.995 χ^2/NDF: 14.6/15

Left Out: 40.296+/-12.620 χ^2/NDF:17.8/18

Right Out: 49.694+/-19.622 χ^2/NDF: 29.3/18

Left In: 52.417+/-12.778 χ^2/NDF:28.1/17

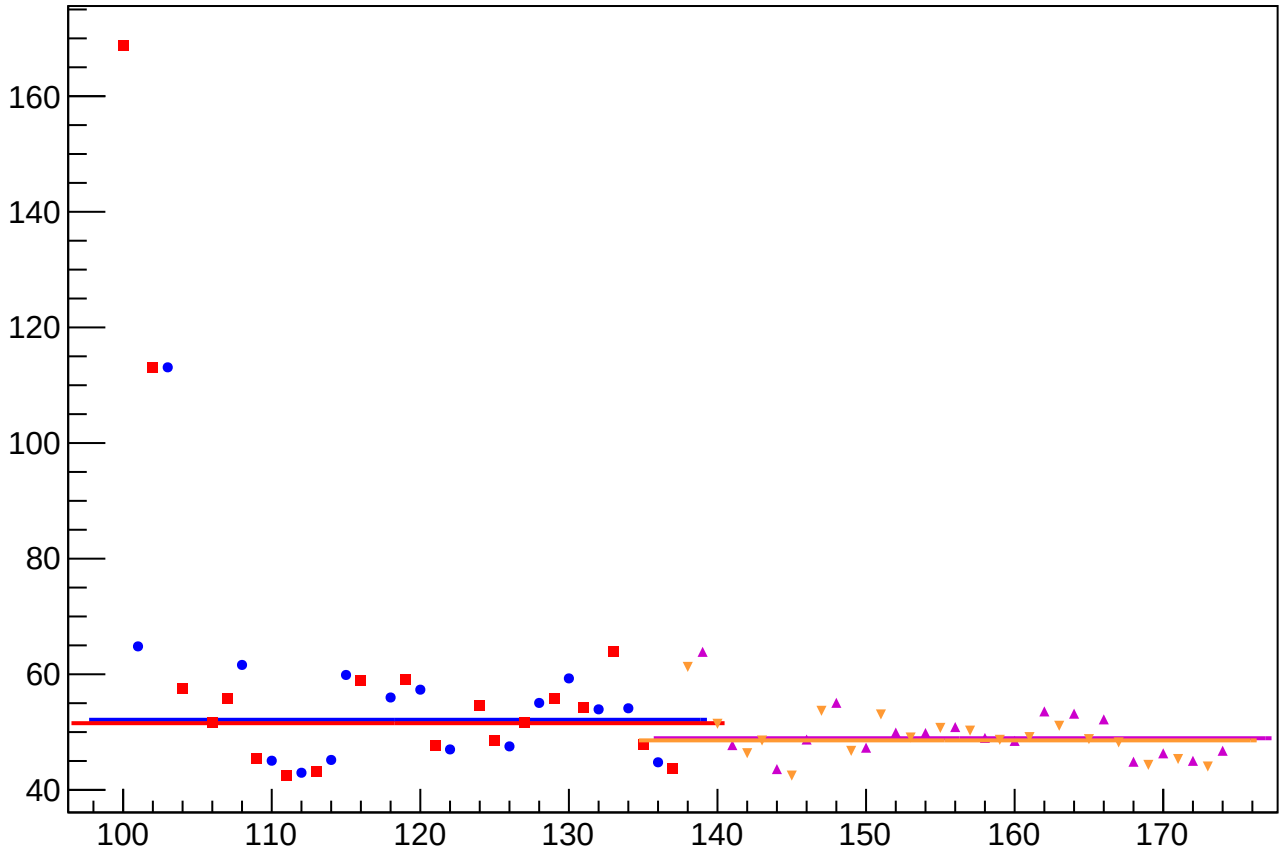
Left: 46.281+/-8.979 χ^2/NDF: 46.3/36

Right: 24.030+/-14.005 χ^2/NDF: 47.4/34

In: 36.457+/-10.767 χ^2/NDF:48.1/33

Out: 43.046+/-10.614 χ^2/NDF:47.2/37

All: 39.799+/-7.559 χ^2/NDF: 95.5/71



Right In: 52.128+/-0.014 χ^2/NDF: 562920.3/15

Left Out: 48.567+/-0.009 χ^2/NDF:182977.8/18

Right Out: 51.540+/-0.014 χ^2/NDF: 639784.7/18

Left In: 48.937+/-0.009 χ^2/NDF:205092.4/17

Left: 48.750+/-0.006 χ^2/NDF: 388917.0/36

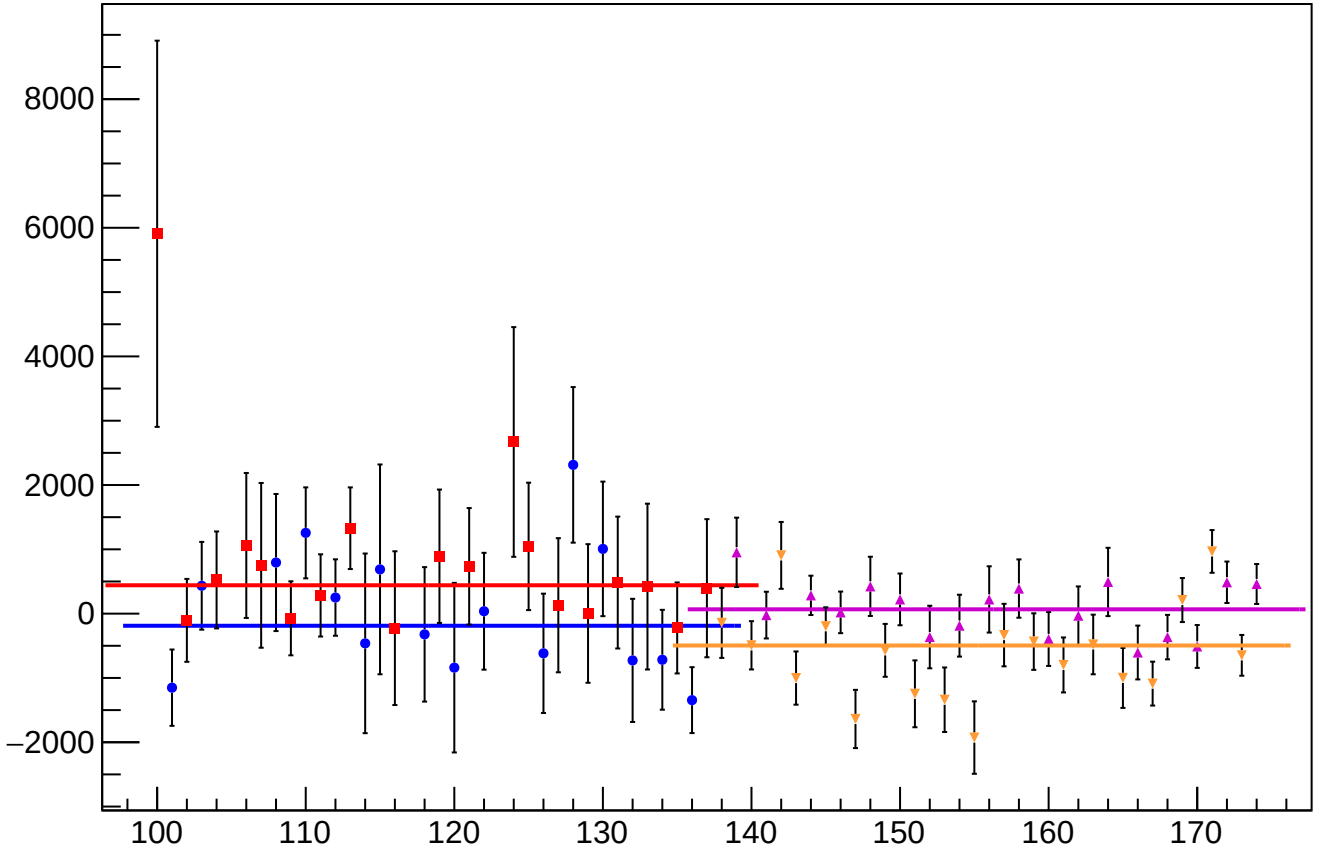
Right: 51.828+/-0.010 χ^2/NDF: 1203588.8/34

In: 49.862+/-0.008 χ^2/NDF:804200.6/33

Out: 49.437+/-0.008 χ^2/NDF:855230.0/37

All: 49.647+/-0.005 χ^2/NDF: 1661013.3/71

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: -495.479+/-93.907 χ^2/NDF:56.7/18

Right Out: 441.171+/-204.111 χ^2/NDF: 10.9/18

Left In: 67.069+/-92.651 χ^2/NDF:18.0/17

Left: -210.419+/-65.954 χ^2/NDF: 92.9/36

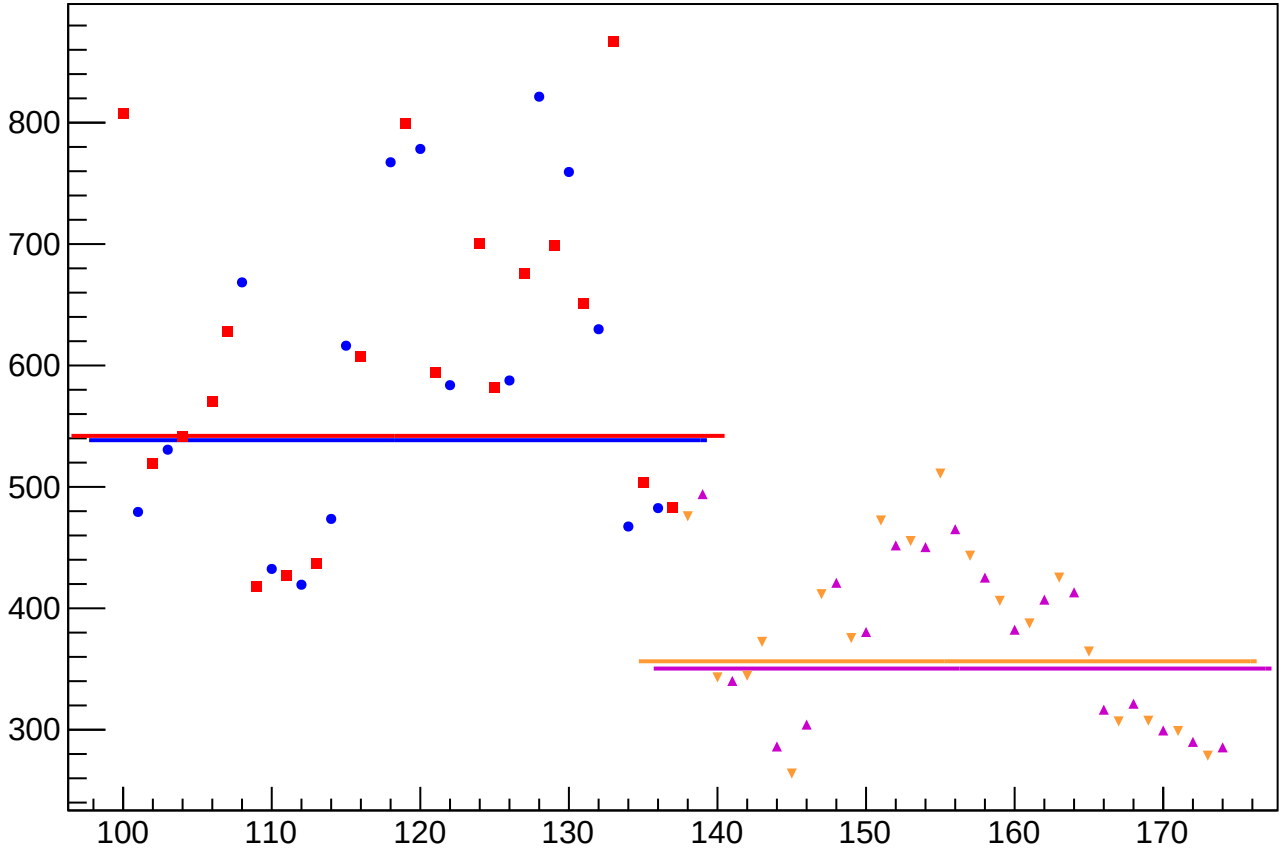
Right: 128.930+/-144.926 χ^2/NDF: 37.0/34

In: 23.997+/-84.485 χ^2/NDF:40.7/33

Out: -331.853+/-85.311 χ^2/NDF:85.0/37

All: -152.197+/-60.030 χ^2/NDF: 134.4/71

asym_sam_1357_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 538.473+/-0.146 χ^2/NDF: 613991.3/15

Left Out: 356.384+/-0.066 χ^2/NDF:1069911.3/18

Right Out: 542.025+/-0.144 χ^2/NDF: 631559.6/18

Left In: 350.383+/-0.066 χ^2/NDF:960322.7/17

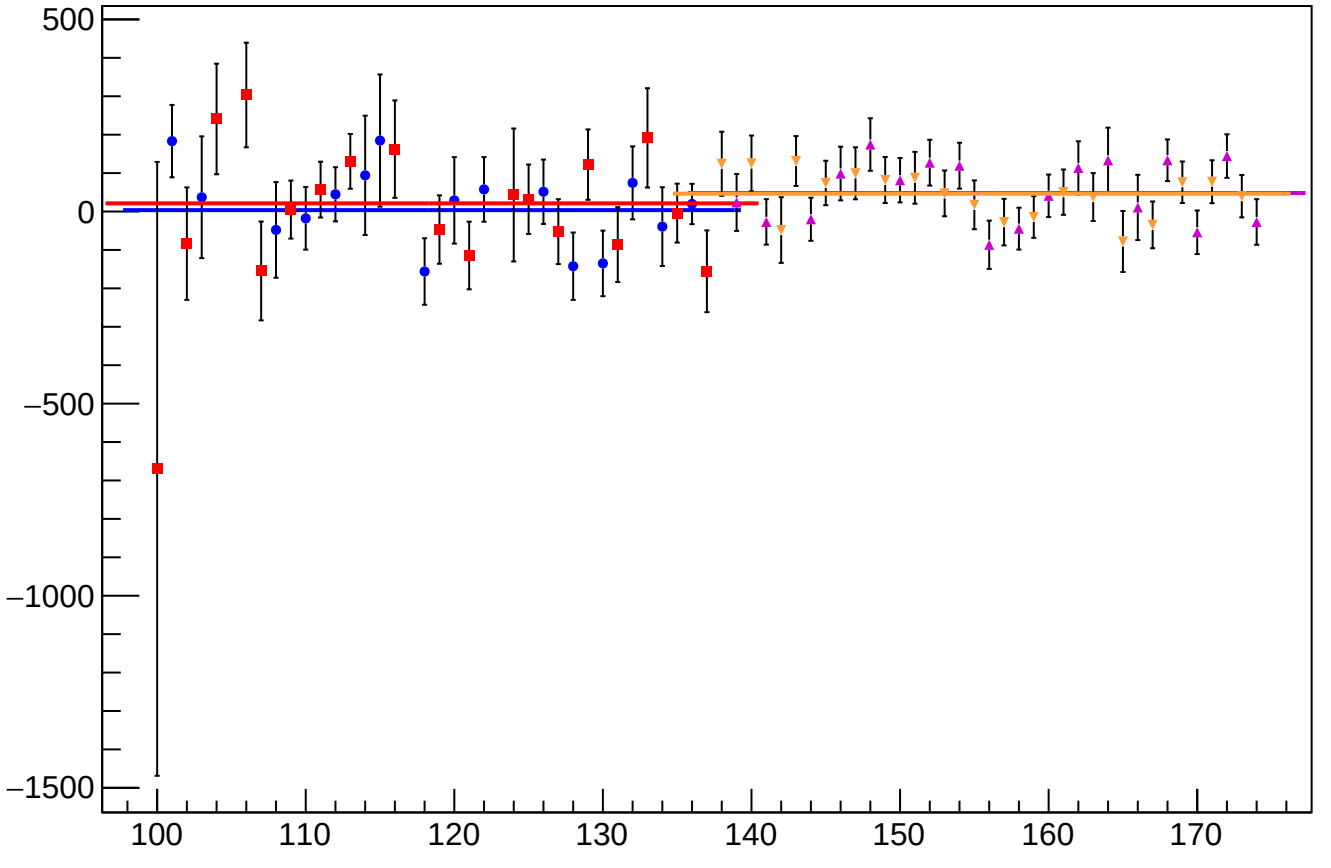
Left: 353.343+/-0.047 χ^2/NDF: 2034373.7/36

Right: 540.264+/-0.102 χ^2/NDF: 1245851.3/34

In: 382.077+/-0.060 χ^2/NDF:2963234.4/33

Out: 388.815+/-0.060 χ^2/NDF:3066874.8/37

All: 385.413+/-0.042 χ^2/NDF: 6036407.5/71



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.389+/-14.384 χ^2/NDF:14.4/18

Right Out: 21.253+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.188+/-14.565 χ^2/NDF:30.5/17

Left: 47.277+/-10.234 χ^2/NDF: 44.9/36

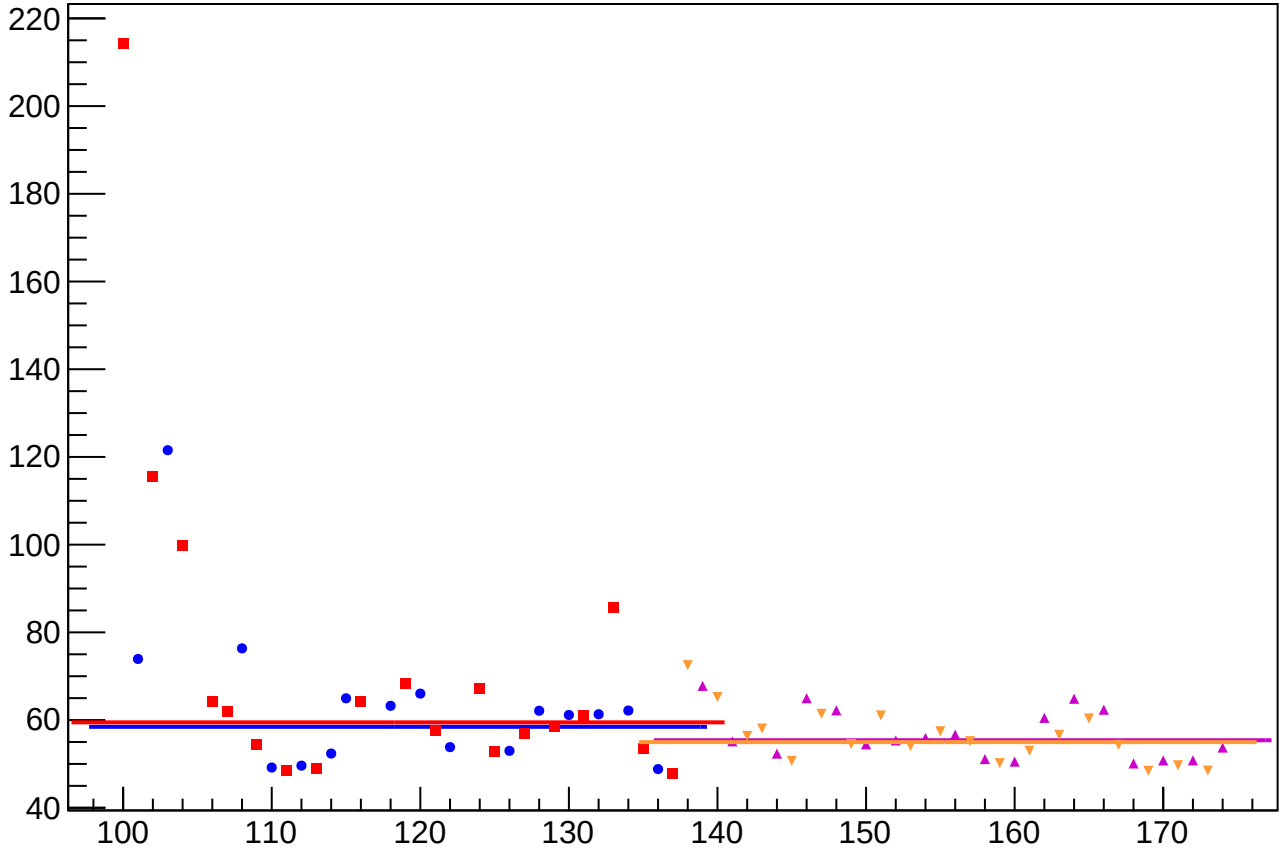
Right: 12.313+/-15.997 χ^2/NDF: 40.9/34

In: 35.004+/-12.223 χ^2/NDF:49.4/33

Out: 39.218+/-12.161 χ^2/NDF:39.7/37

All: 37.122+/-8.621 χ^2/NDF: 89.1/71

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 58.465+/-0.016 χ^2/NDF: 582984.2/15

Left Out: 54.976+/-0.010 χ^2/NDF:286367.8/18

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.1/18

Left In: 55.401+/-0.010 χ^2/NDF:244879.5/17

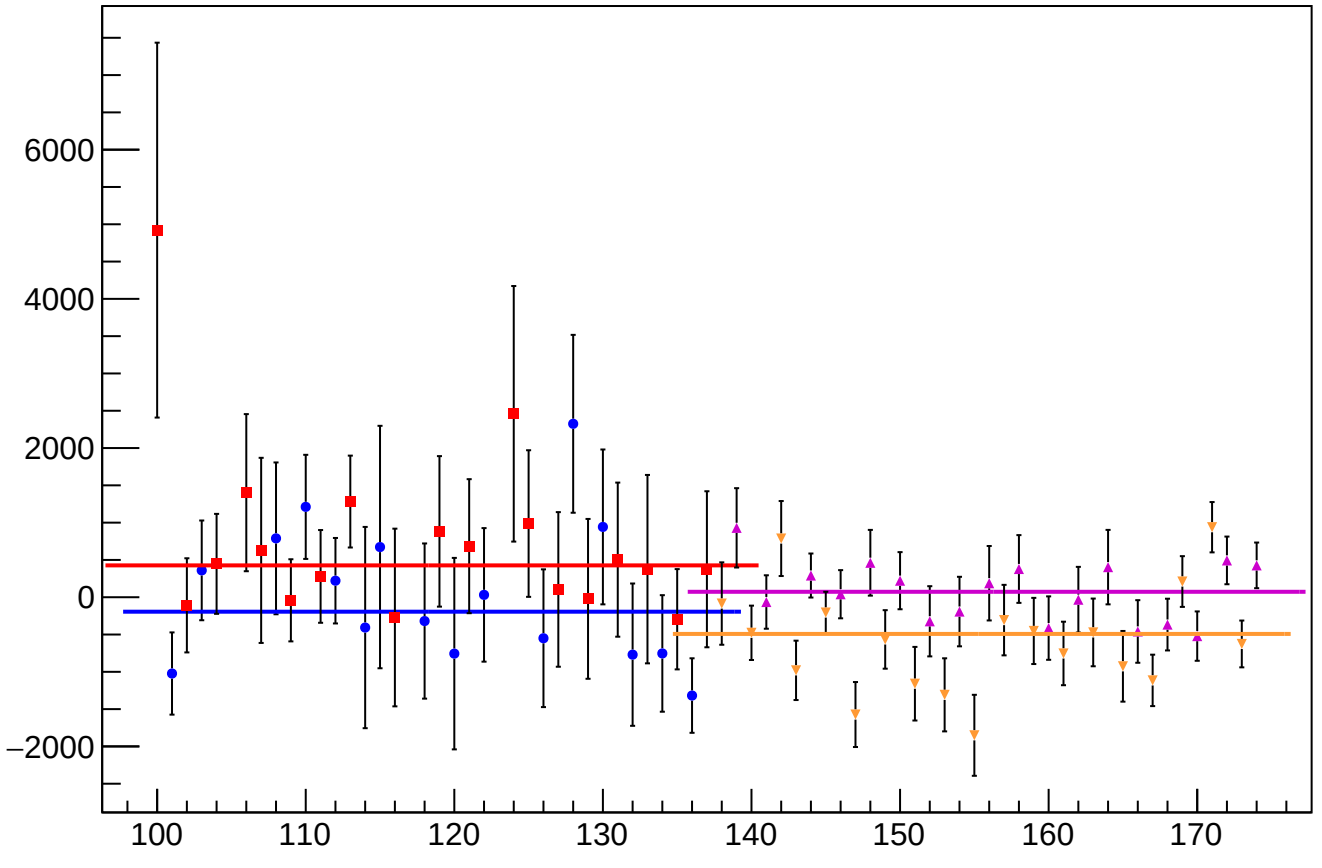
Left: 55.186+/-0.007 χ^2/NDF: 532108.5/36

Right: 58.968+/-0.011 χ^2/NDF: 1369891.4/34

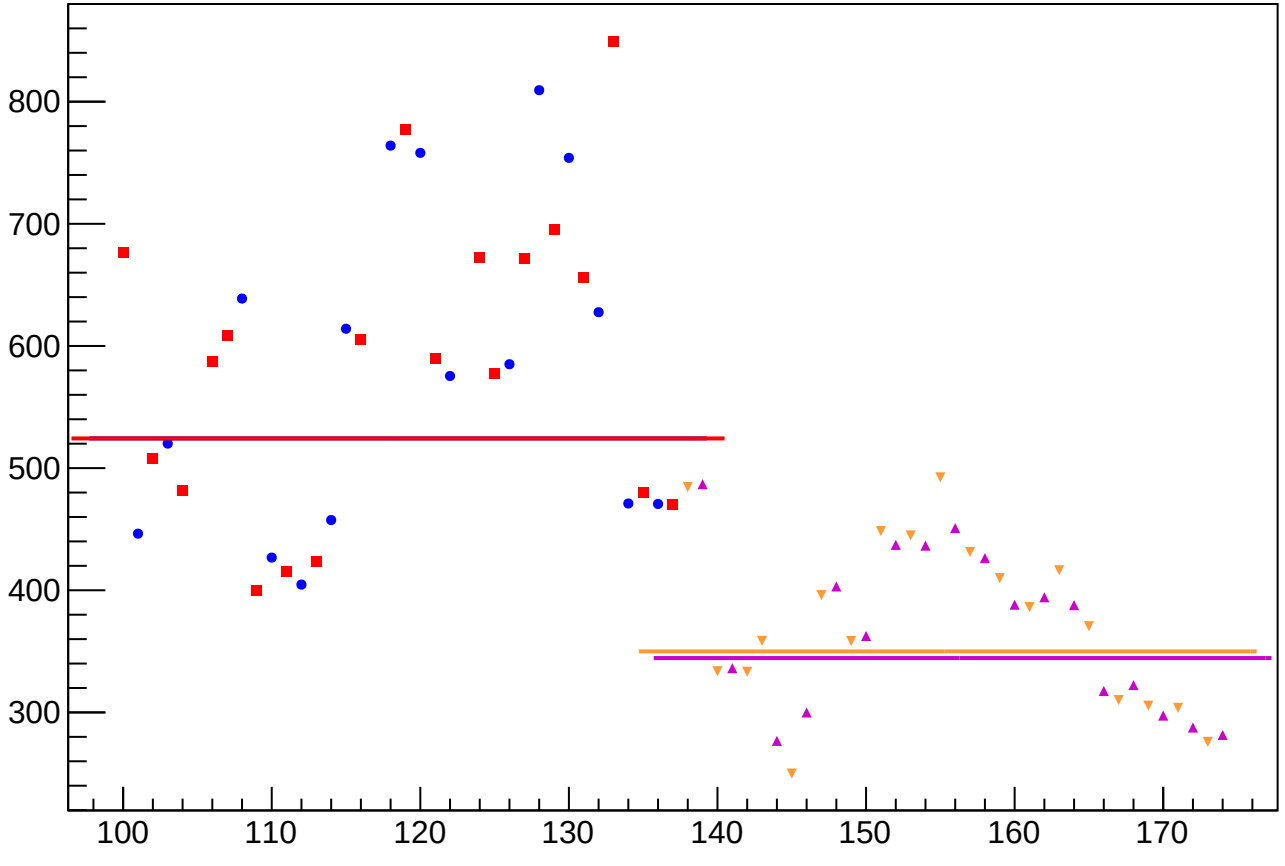
In: 56.307+/-0.009 χ^2/NDF:854045.9/33

Out: 56.262+/-0.009 χ^2/NDF:1127287.5/37

All: 56.284+/-0.006 χ^2/NDF: 1981347.0/71


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: -491.946+/-92.113 χ²/NDF:53.7/18
Right Out: 426.977+/-197.005 χ²/NDF: 11.3/18
Left In: 72.955+/-91.035 χ²/NDF:17.1/17
Left: -206.170+/-64.749 χ²/NDF: 89.9/36
Right: 122.158+/-140.559 χ²/NDF: 37.0/34
In: 27.383+/-82.898 χ²/NDF:39.3/33
Out: -327.091+/-83.443 χ²/NDF:82.9/37
All: -148.694+/-58.810 χ²/NDF: 131.3/71

asym_sam_1357_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.326+/-0.142 χ^2/NDF: 658488.5/15

Left Out: 349.956+/-0.065 χ^2/NDF:1067386.2/18

Right Out: 524.306+/-0.139 χ^2/NDF: 686061.2/18

Left In: 344.507+/-0.064 χ^2/NDF:906128.1/17

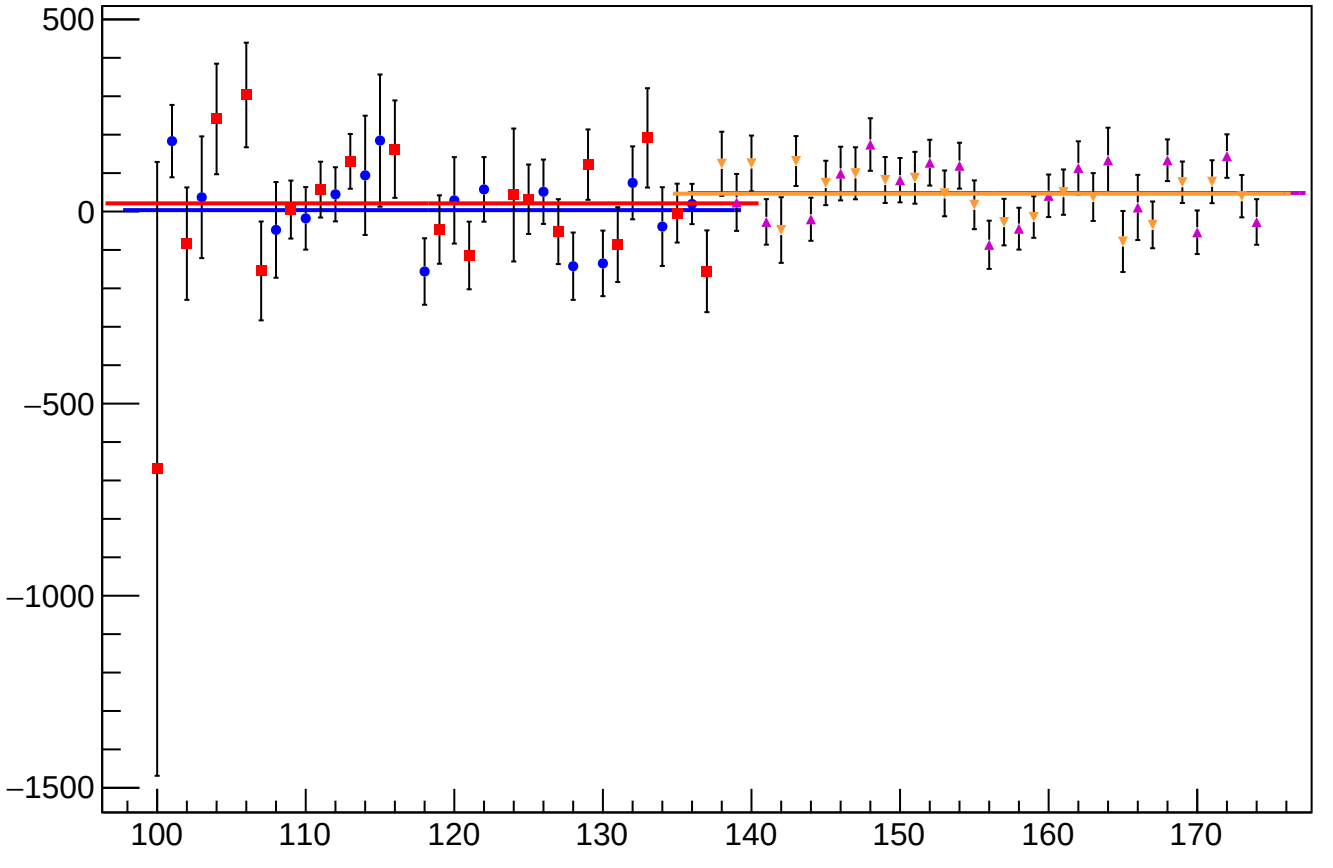
Left: 347.199+/-0.046 χ^2/NDF: 1977054.6/36

Right: 524.316+/-0.099 χ^2/NDF: 1344549.7/34

In: 375.215+/-0.059 χ^2/NDF:2897214.6/33

Out: 381.234+/-0.059 χ^2/NDF:3038893.2/37

All: 378.205+/-0.042 χ^2/NDF: 5941345.6/71



Right In: 3.597+/-22.480 χ^2/NDF: 16.1/15

Left Out: 46.389+/-14.384 χ^2/NDF:14.4/18

Right Out: 21.251+/-22.769 χ^2/NDF: 24.4/18

Left In: 48.187+/-14.565 χ^2/NDF:30.5/17

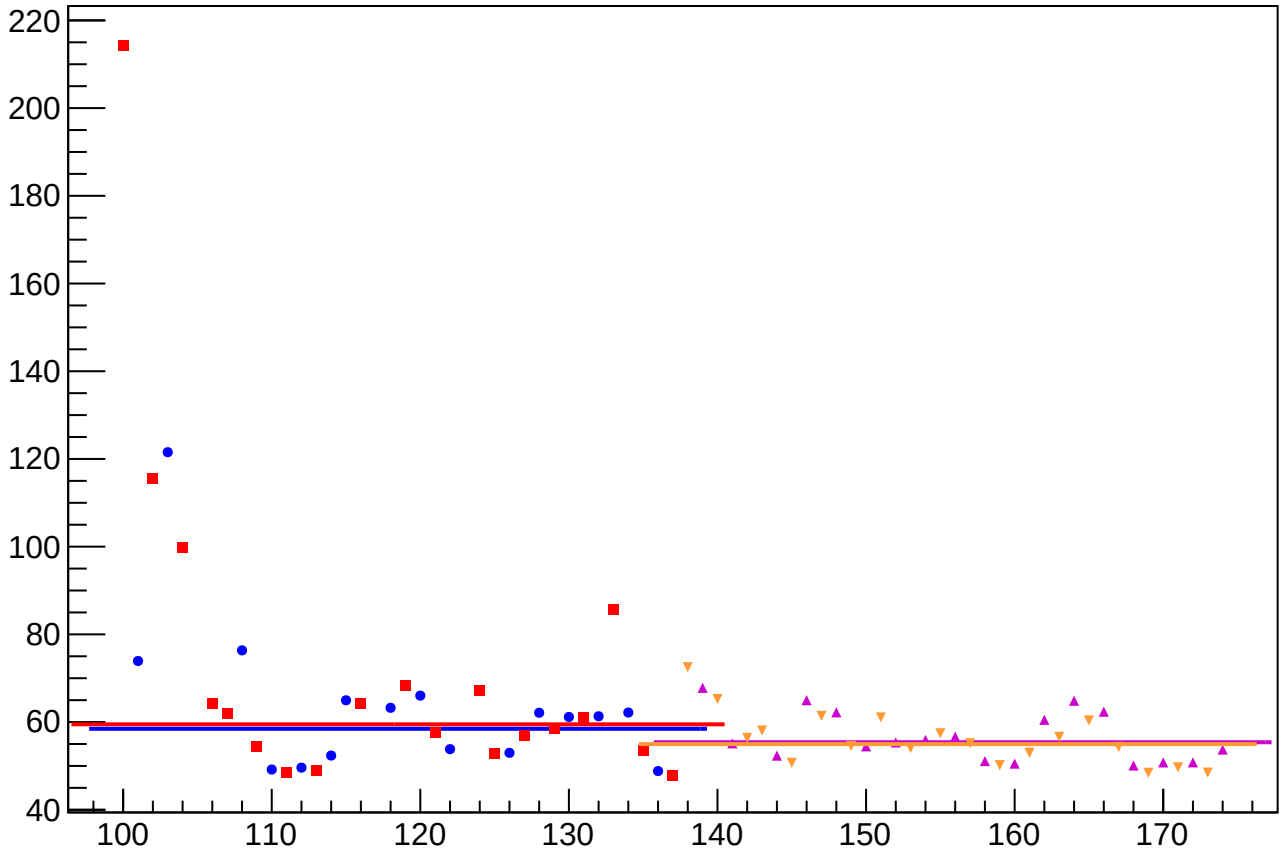
Left: 47.277+/-10.234 χ^2/NDF: 44.9/36

Right: 12.312+/-15.997 χ^2/NDF: 40.9/34

In: 35.004+/-12.223 χ^2/NDF:49.4/33

Out: 39.218+/-12.161 χ^2/NDF:39.7/37

All: 37.122+/-8.621 χ^2/NDF: 89.1/71



Right In: 58.466+/-0.016 χ^2/NDF: 582980.6/15

Left Out: 54.976+/-0.010 χ^2/NDF:286374.4/18

Right Out: 59.484+/-0.016 χ^2/NDF: 784880.2/18

Left In: 55.401+/-0.010 χ^2/NDF:244881.6/17

Left: 55.186+/-0.007 χ^2/NDF: 532117.2/36

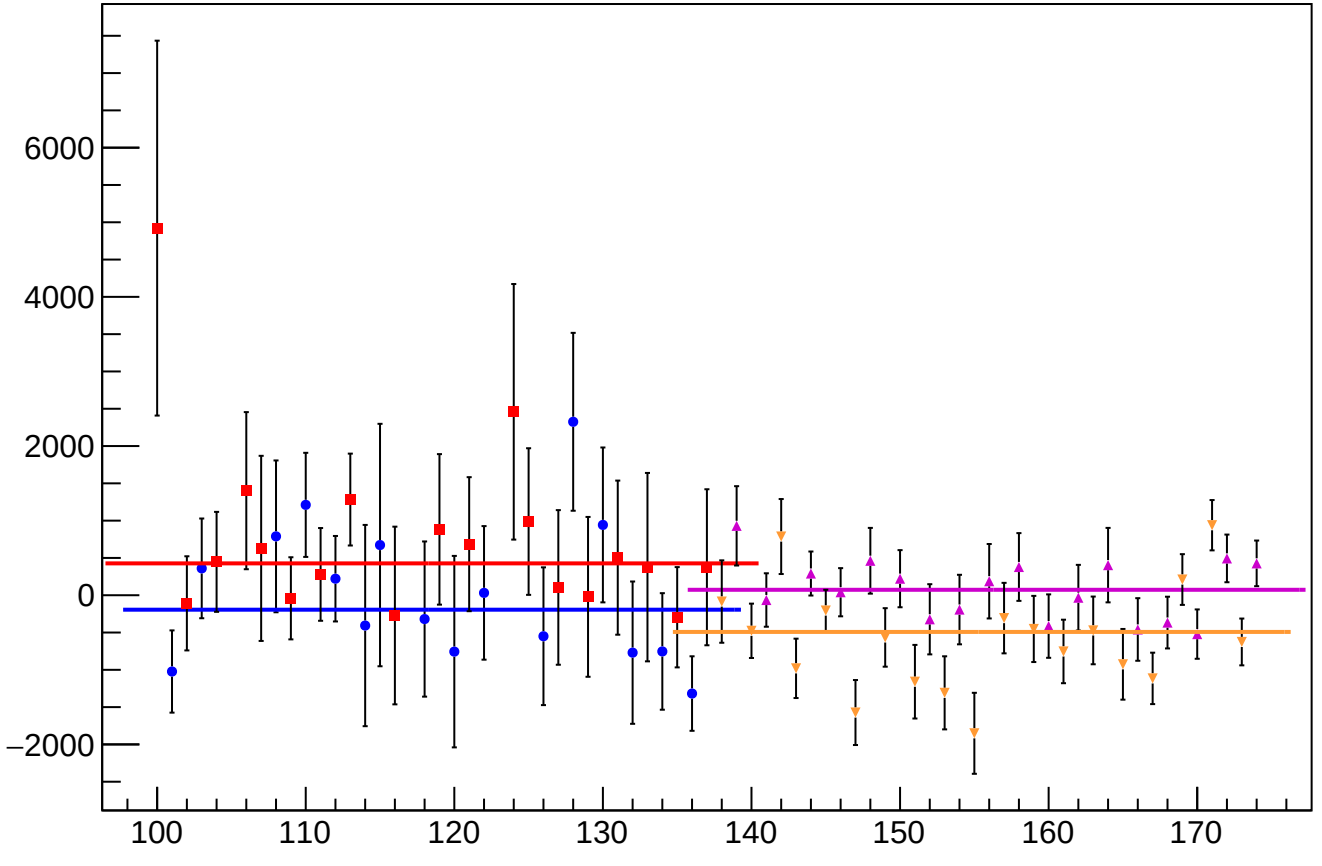
Right: 58.968+/-0.011 χ^2/NDF: 1369888.0/34

In: 56.307+/-0.009 χ^2/NDF:854043.6/33

Out: 56.262+/-0.009 χ^2/NDF:1127293.8/37

All: 56.284+/-0.006 χ^2/NDF: 1981351.0/71

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -193.899+/-200.603 χ^2/NDF: 20.8/15

Left Out: -491.946+/-92.113 χ^2/NDF:53.7/18

Right Out: 426.976+/-197.005 χ^2/NDF: 11.3/18

Left In: 72.954+/-91.035 χ^2/NDF:17.1/17

Left: -206.171+/-64.749 χ^2/NDF: 89.9/36

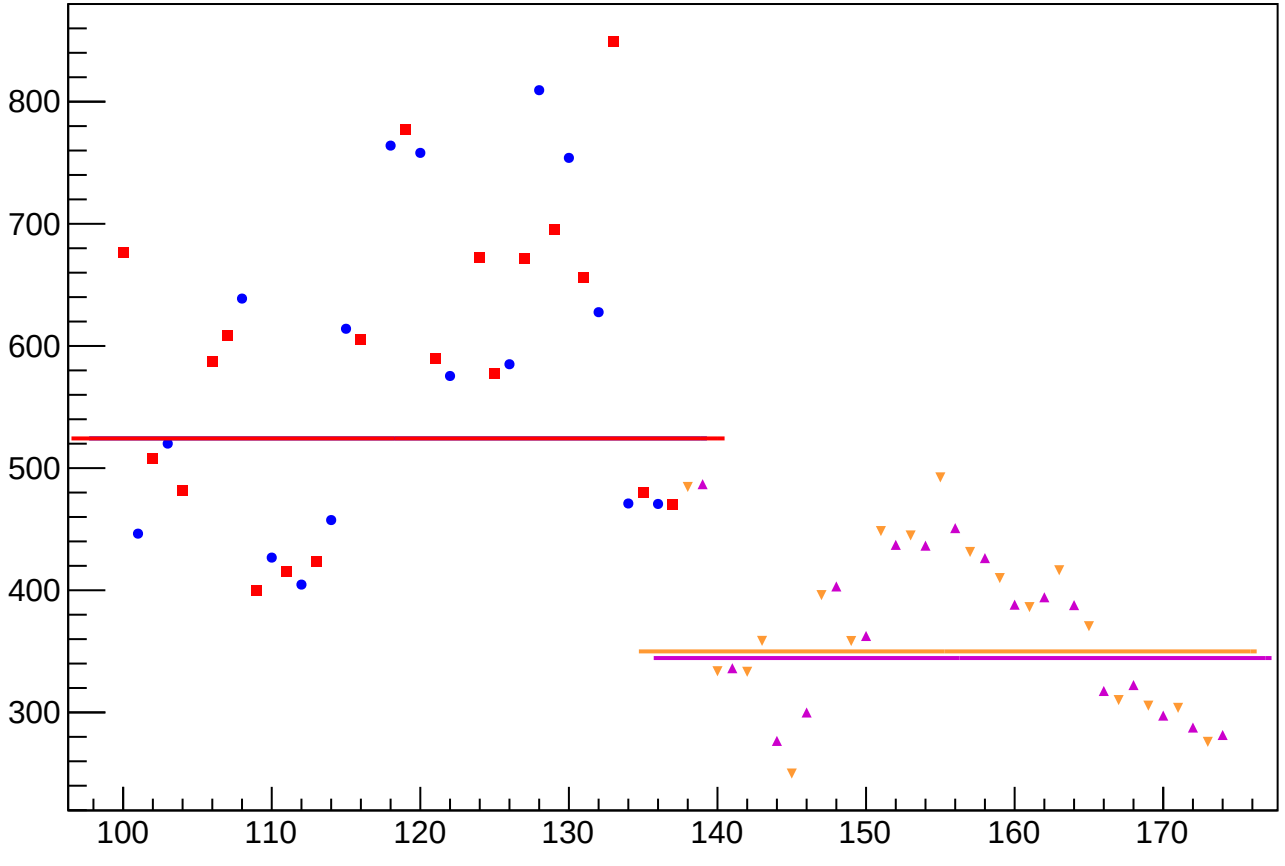
Right: 122.157+/-140.558 χ^2/NDF: 37.0/34

In: 27.383+/-82.898 χ^2/NDF:39.3/33

Out: -327.091+/-83.443 χ^2/NDF:82.9/37

All: -148.694+/-58.810 χ^2/NDF: 131.3/71

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 524.325+/-0.142 χ^2/NDF: 658493.8/15

Left Out: 349.956+/-0.065 χ^2/NDF:1067380.4/18

Right Out: 524.305+/-0.139 χ^2/NDF: 686063.6/18

Left In: 344.507+/-0.064 χ^2/NDF:906120.8/17

Left: 347.199+/-0.046 χ^2/NDF: 1977041.4/36

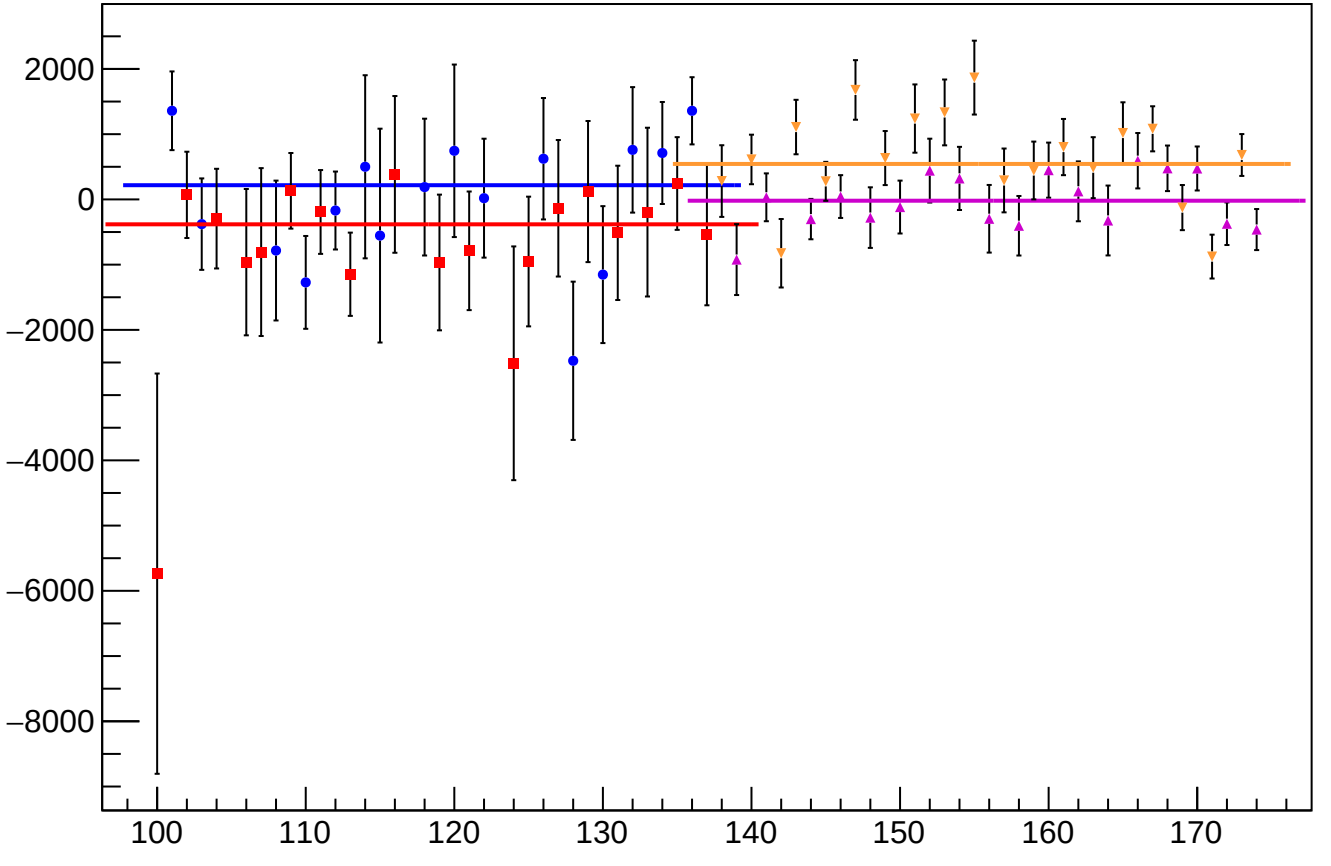
Right: 524.315+/-0.099 χ^2/NDF: 1344557.5/34

In: 375.215+/-0.059 χ^2/NDF:2897203.2/33

Out: 381.234+/-0.059 χ^2/NDF:3038881.8/37

All: 378.205+/-0.042 χ^2/NDF: 5941322.6/71

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 217.756+/-207.492 χ^2/NDF: 22.9/15

Left Out: 543.636+/-94.829 χ^2/NDF:51.5/18

Right Out: -381.836+/-205.585 χ^2/NDF: 10.0/18

Left In: -20.058+/-93.611 χ^2/NDF:17.4/17

Left: 258.146+/-66.620 χ^2/NDF: 86.9/36

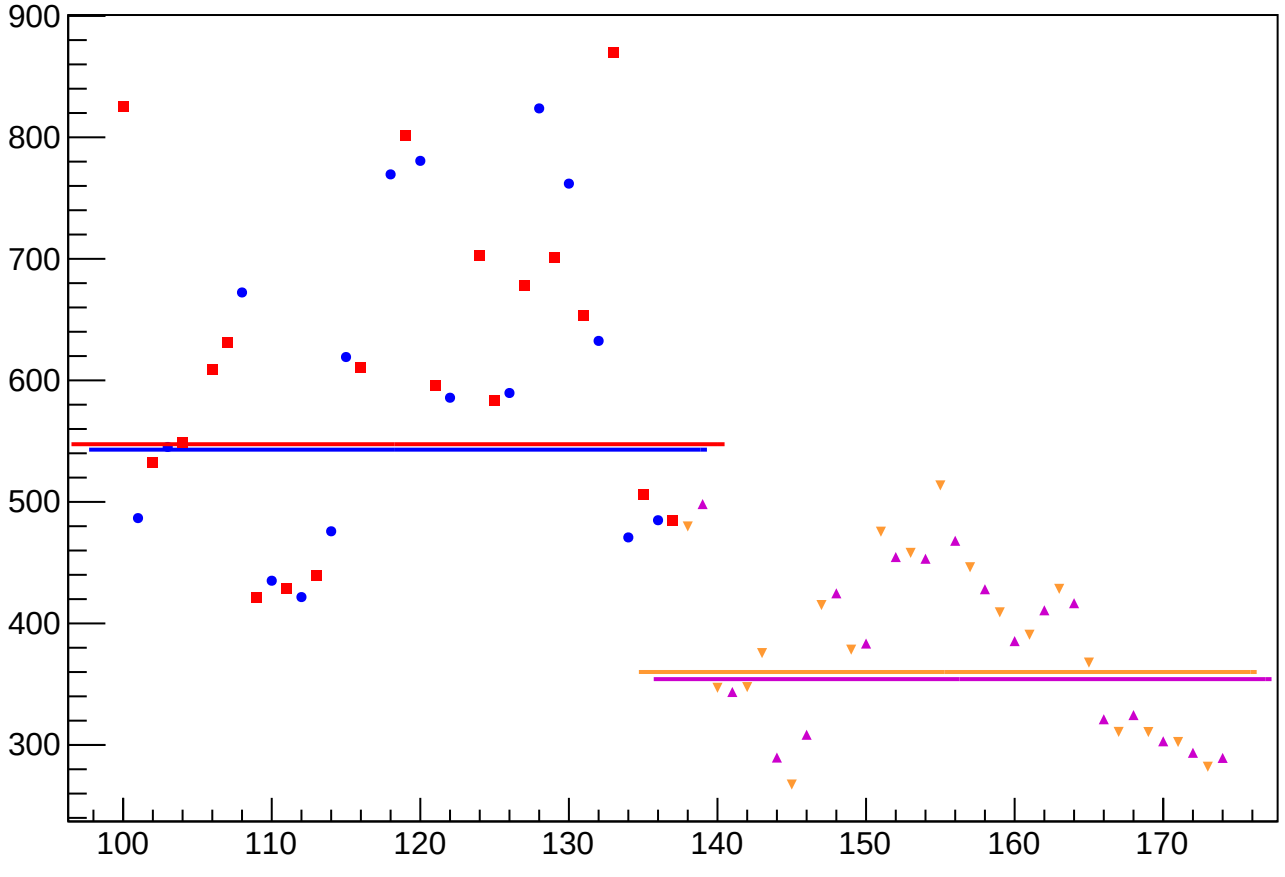
Right: -84.807+/-146.040 χ^2/NDF: 37.1/34

In: 20.161+/-85.329 χ^2/NDF:41.4/33

Out: 381.273+/-86.110 χ^2/NDF:78.2/37

All: 199.072+/-60.611 χ^2/NDF: 128.5/71

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 542.997+/-0.147 χ^2/NDF: 605250.7/15

Left Out: 360.044+/-0.067 χ^2/NDF:1044849.6/18

Right Out: 547.465+/-0.145 χ^2/NDF: 630284.0/18

Left In: 354.171+/-0.066 χ^2/NDF:936730.5/17

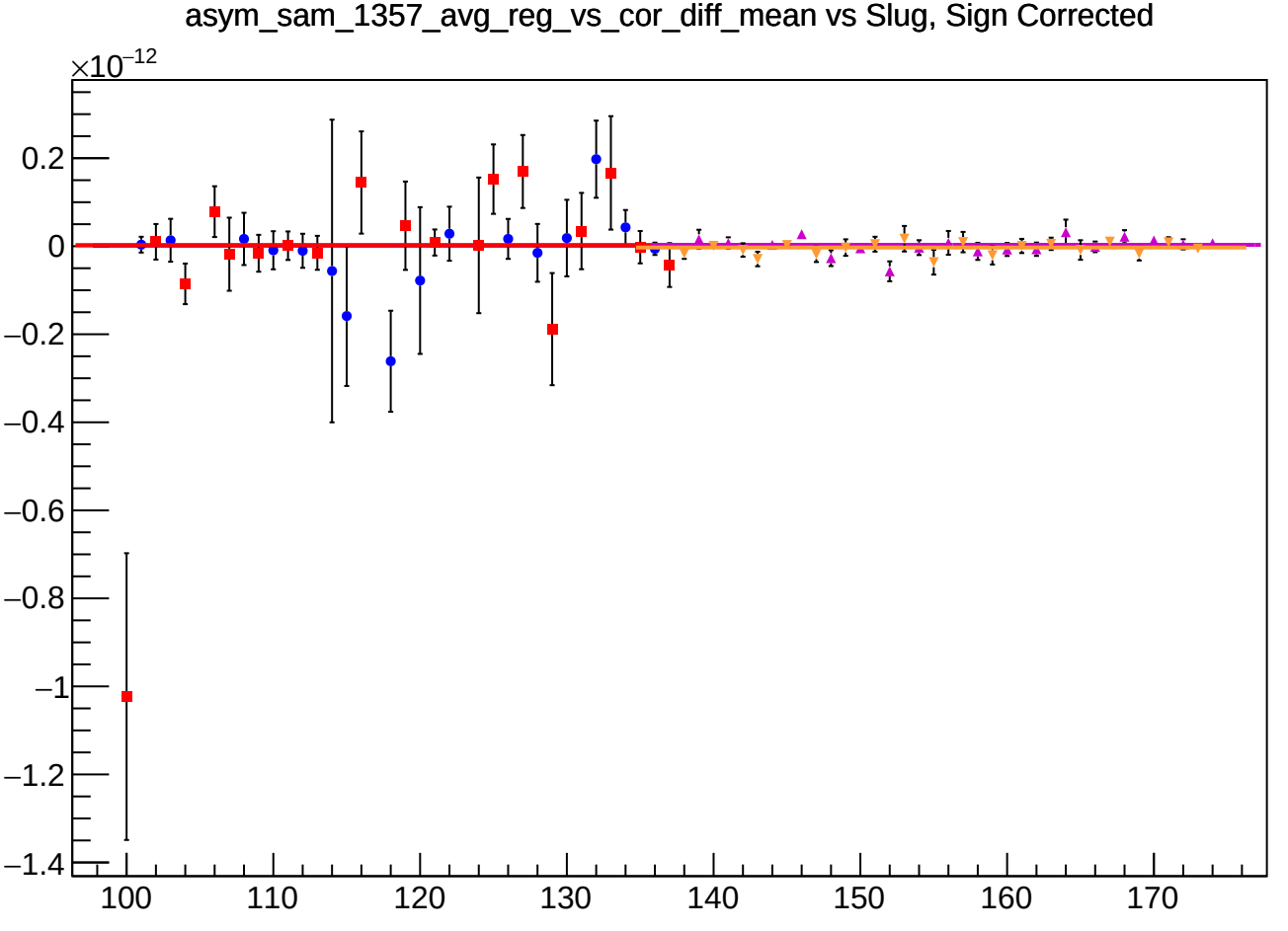
Left: 357.070+/-0.047 χ^2/NDF: 1985465.7/36

Right: 545.252+/-0.103 χ^2/NDF: 1236002.5/34

In: 386.105+/-0.060 χ^2/NDF:2918213.9/33

Out: 392.925+/-0.061 χ^2/NDF:3045707.3/37

All: 389.484+/-0.043 χ^2/NDF: 5970251.0/71



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

Left Out: -0.000+/-0.000 χ^2/NDF:11.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/18

Left In: 0.000+/-0.000 χ^2/NDF:21.3/17

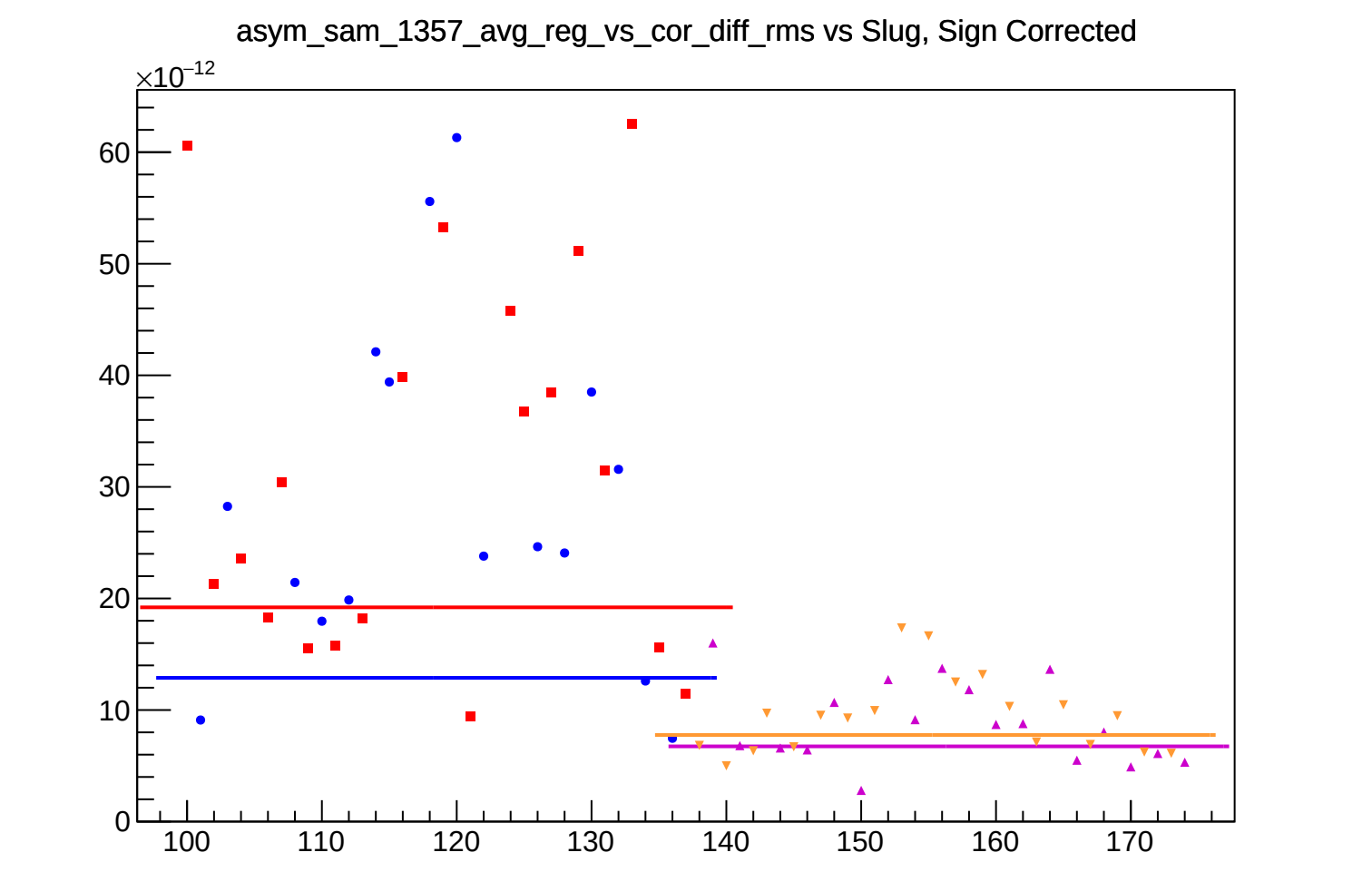
Left: 0.000+/-0.000 χ^2/NDF: 34.9/36

Right: 0.000+/-0.000 χ^2/NDF: 43.7/34

In: 0.000+/-0.000 χ^2/NDF:35.0/33

Out: -0.000+/-0.000 χ^2/NDF:42.0/37

All: 0.000+/-0.000 χ^2/NDF: 78.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 1756750.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:1165088.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1367620.8/18

Left In: 0.000+/-0.000 χ^2/NDF:1703786.9/17

Left: 0.000+/-0.000 χ^2/NDF: 2969300.7/36

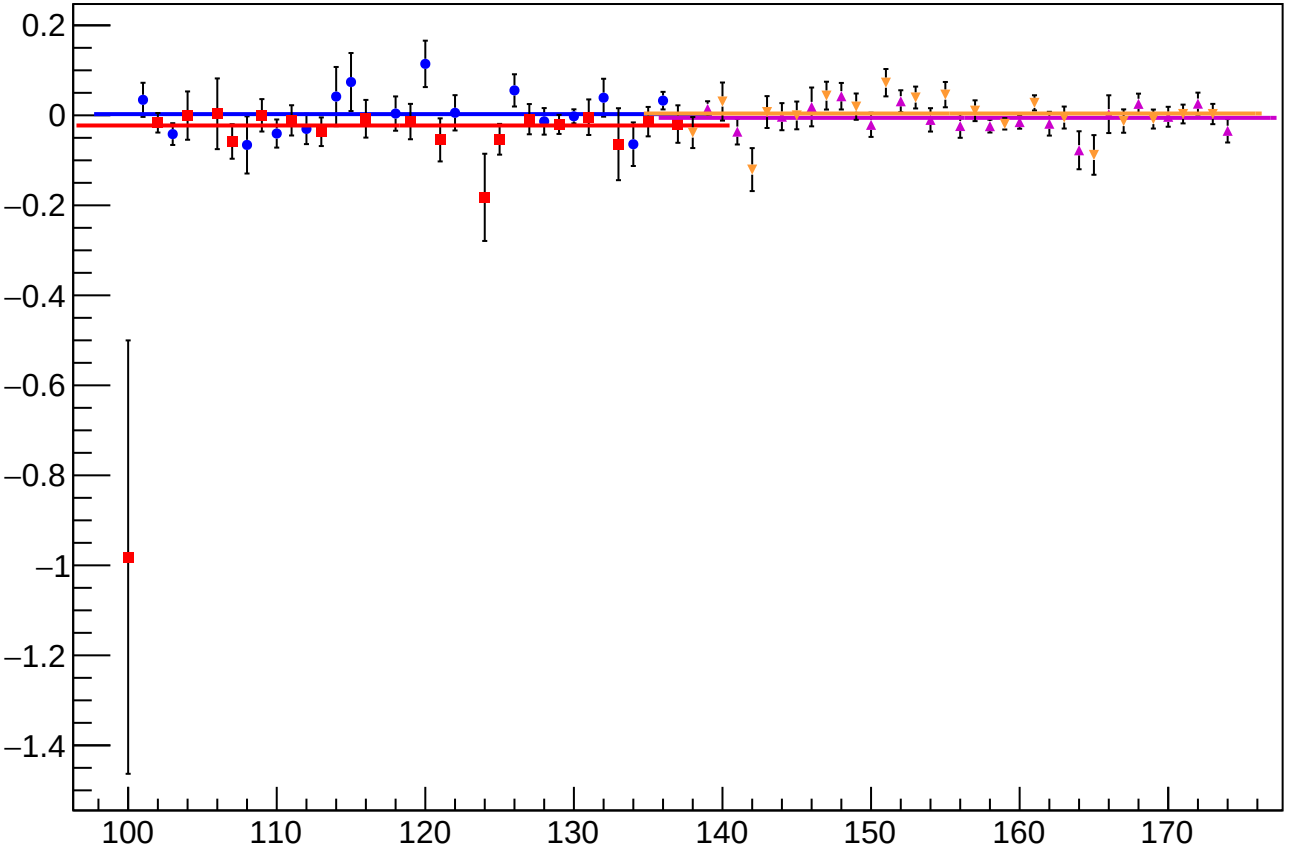
Right: 0.000+/-0.000 χ^2/NDF: 3472471.7/34

In: 0.000+/-0.000 χ^2/NDF:4281009.1/33

Out: 0.000+/-0.000 χ^2/NDF:4187122.7/37

All: 0.000+/-0.000 χ^2/NDF: 8611275.9/71

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

Left: -0.001+/-0.004 χ^2/NDF: 50.9/36

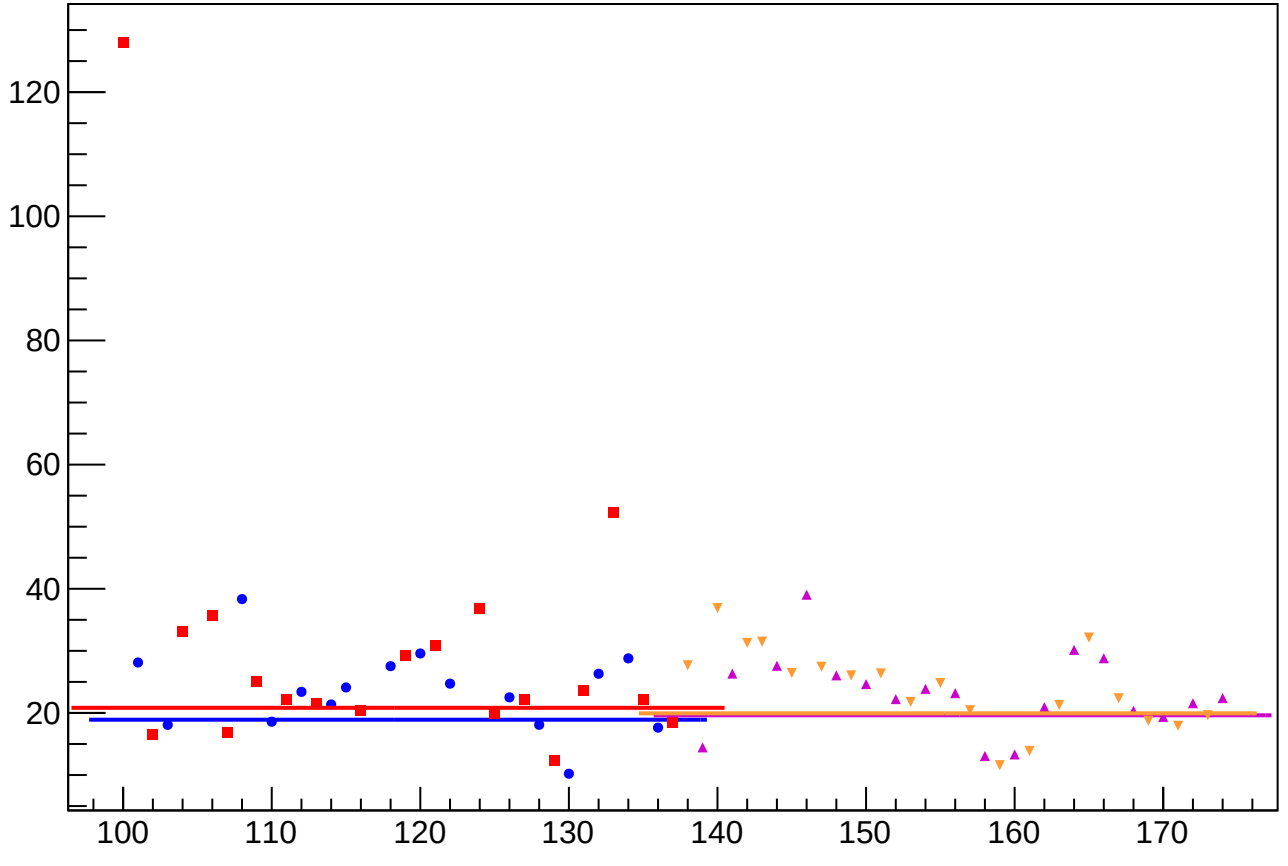
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 89.8/71

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.939+/-0.004 χ^2/NDF:2534059.0/18

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

Left: 19.777+/-0.003 χ^2/NDF: 4707493.1/36

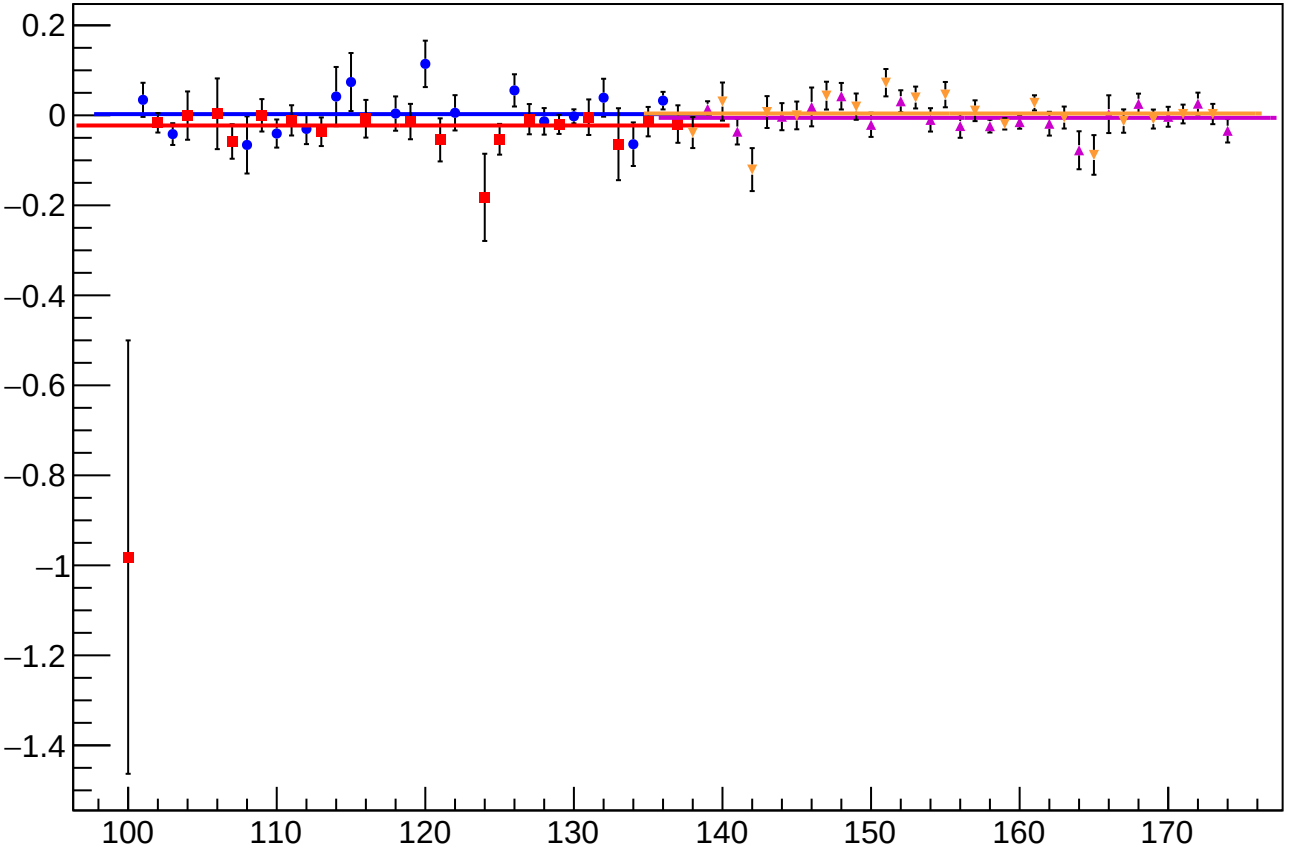
Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.383+/-0.003 χ^2/NDF:3571491.9/33

Out: 20.211+/-0.003 χ^2/NDF:3840907.4/37

All: 19.782+/-0.002 χ^2/NDF: 7444842.4/71

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

Left: -0.001+/-0.004 χ^2/NDF: 50.9/36

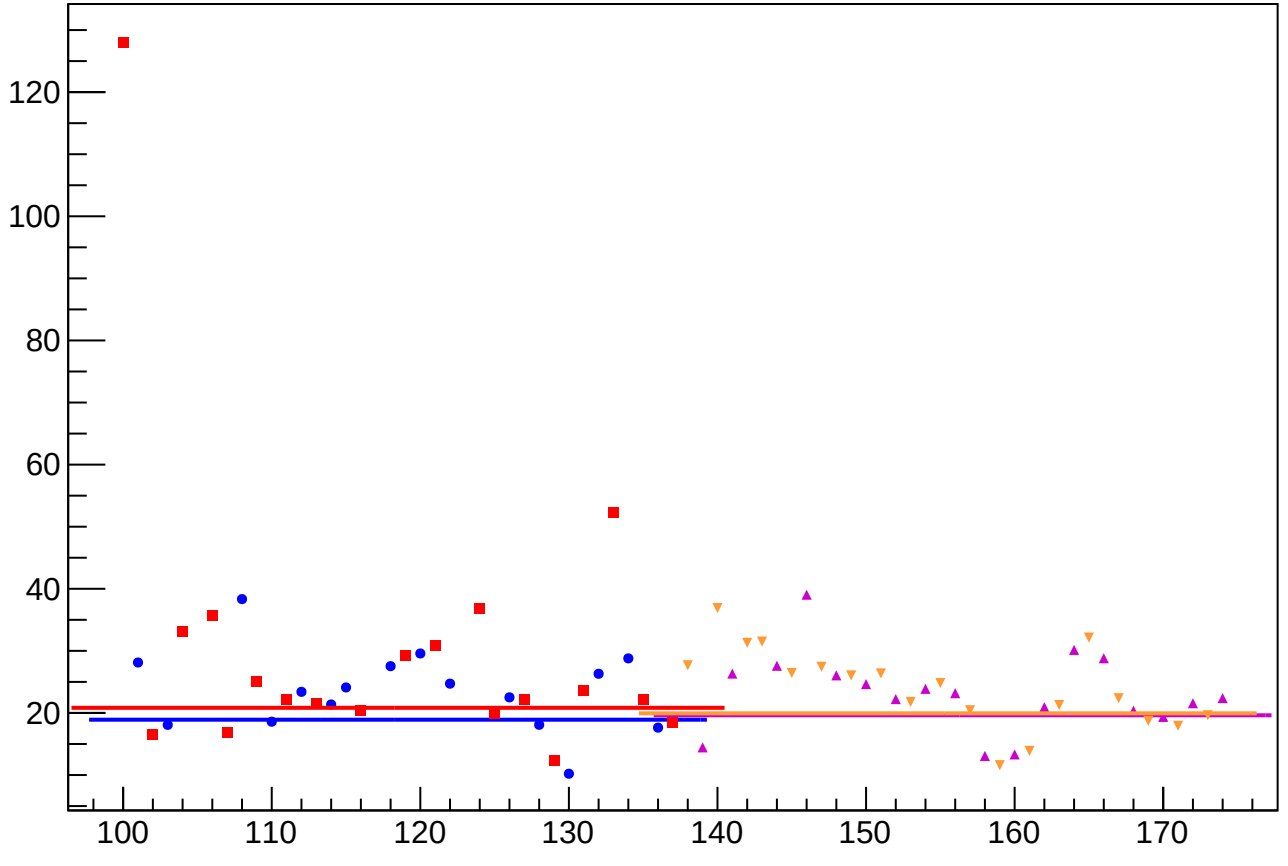
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 89.8/71

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.911+/-0.006 χ^2/NDF: 1390349.2/15

Left Out: 19.939+/-0.004 χ^2/NDF:2534059.0/18

Right Out: 20.826+/-0.006 χ^2/NDF: 1291541.1/18

Left In: 19.620+/-0.004 χ^2/NDF:2170157.4/17

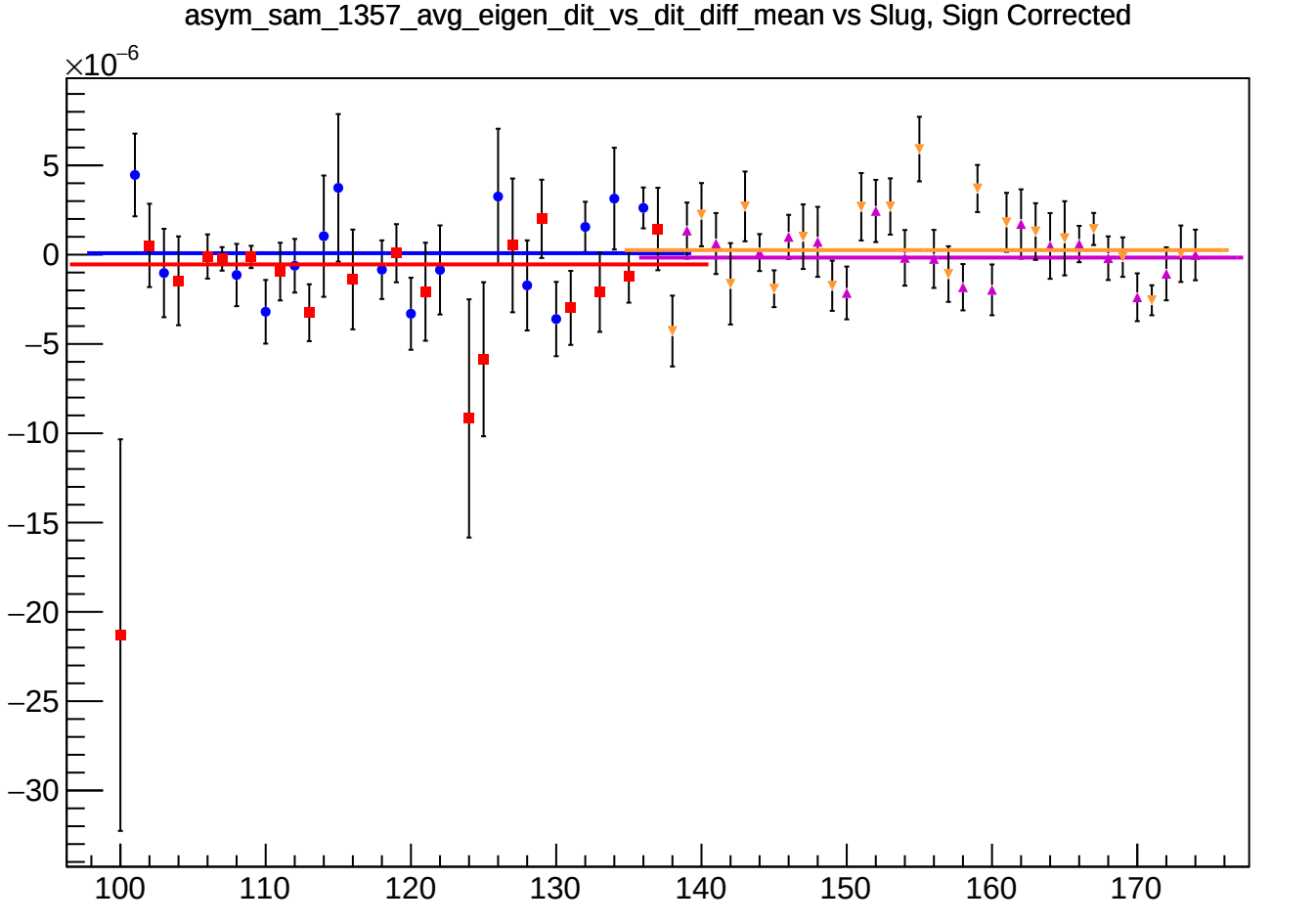
Left: 19.777+/-0.003 χ^2/NDF: 4707493.1/36

Right: 19.793+/-0.004 χ^2/NDF: 2737339.0/34

In: 19.383+/-0.003 χ^2/NDF:3571491.9/33

Out: 20.211+/-0.003 χ^2/NDF:3840907.4/37

All: 19.782+/-0.002 χ^2/NDF: 7444842.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 23.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:51.2/18

Right Out: -0.000+/-0.000 χ^2/NDF: 15.6/18

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

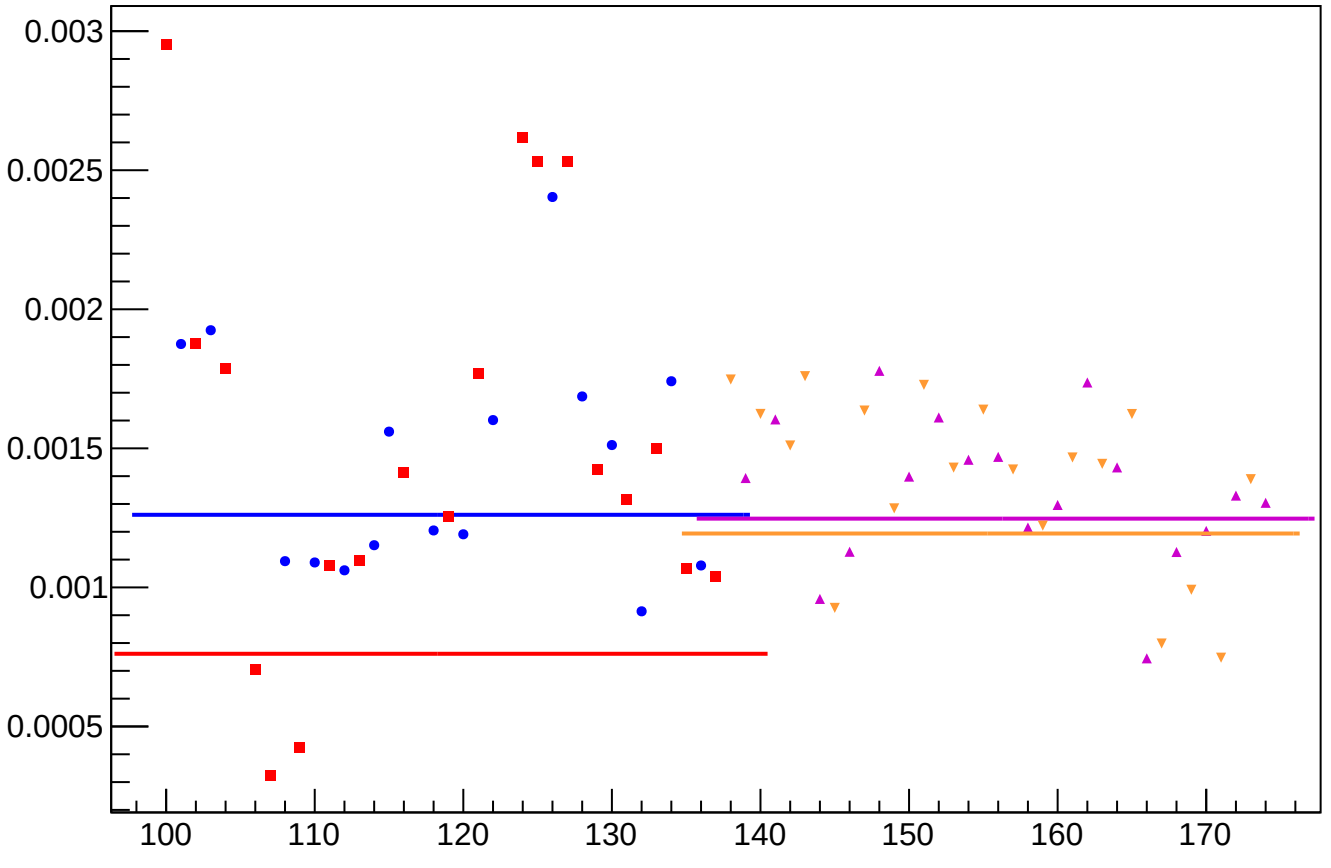
Left: 0.000+/-0.000 χ^2/NDF: 66.3/36

Right: -0.000+/-0.000 χ^2/NDF: 40.3/34

In: -0.000+/-0.000 χ^2/NDF:38.1/33

Out: -0.000+/-0.000 χ^2/NDF:69.7/37

All: -0.000+/-0.000 χ^2/NDF: 107.8/71



Right In: 0.001+/-0.000 χ^2/NDF: 907342.5/15

Left Out: 0.001+/-0.000 χ^2/NDF:2353685.7/18

Right Out: 0.001+/-0.000 χ^2/NDF: 4672607.8/18

Left In: 0.001+/-0.000 χ^2/NDF:1276516.6/17

Left: 0.001+/-0.000 χ^2/NDF: 3656739.0/36

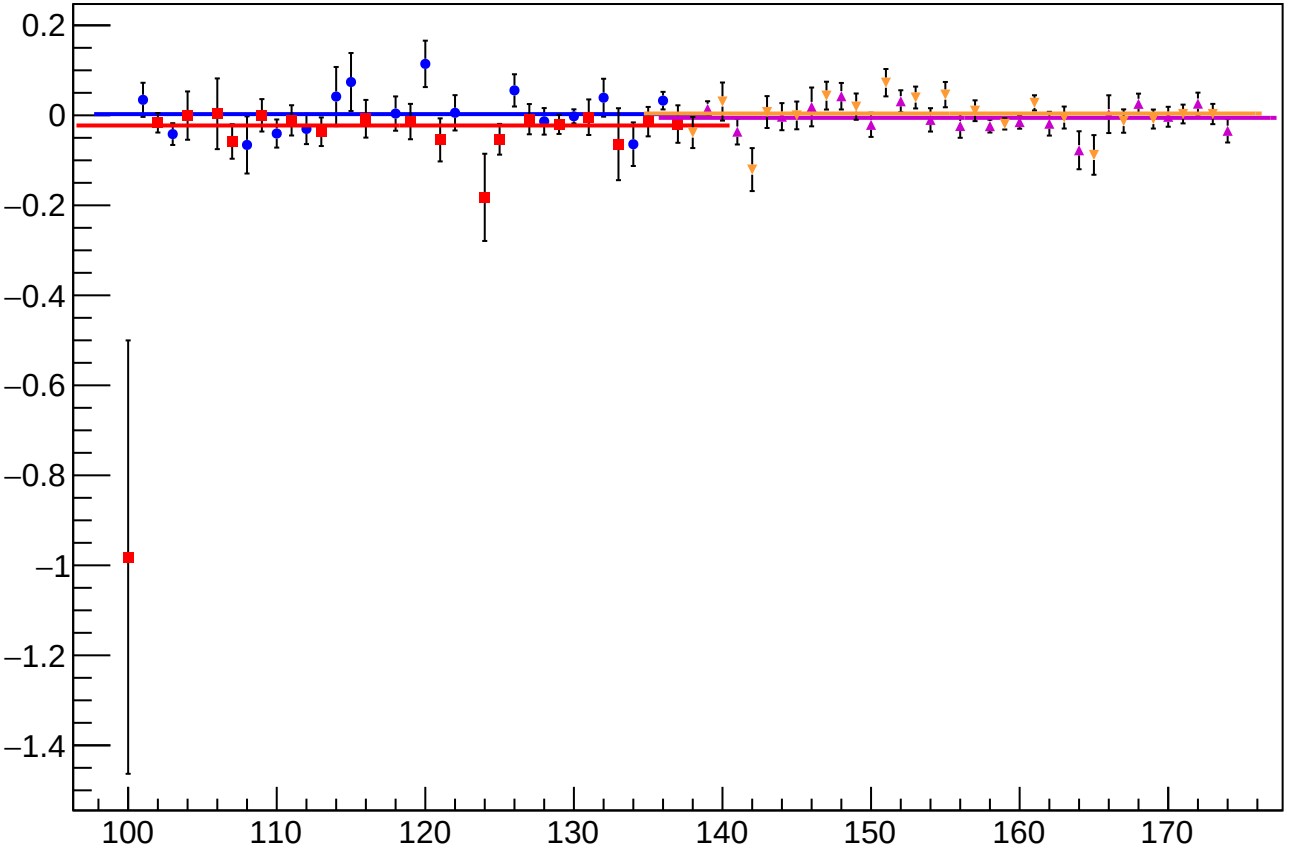
Right: 0.001+/-0.000 χ^2/NDF: 6998069.8/34

In: 0.001+/-0.000 χ^2/NDF:2184952.6/33

Out: 0.001+/-0.000 χ^2/NDF:8738740.0/37

All: 0.001+/-0.000 χ^2/NDF: 11990283.4/71

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

Left: -0.001+/-0.004 χ^2/NDF: 50.9/36

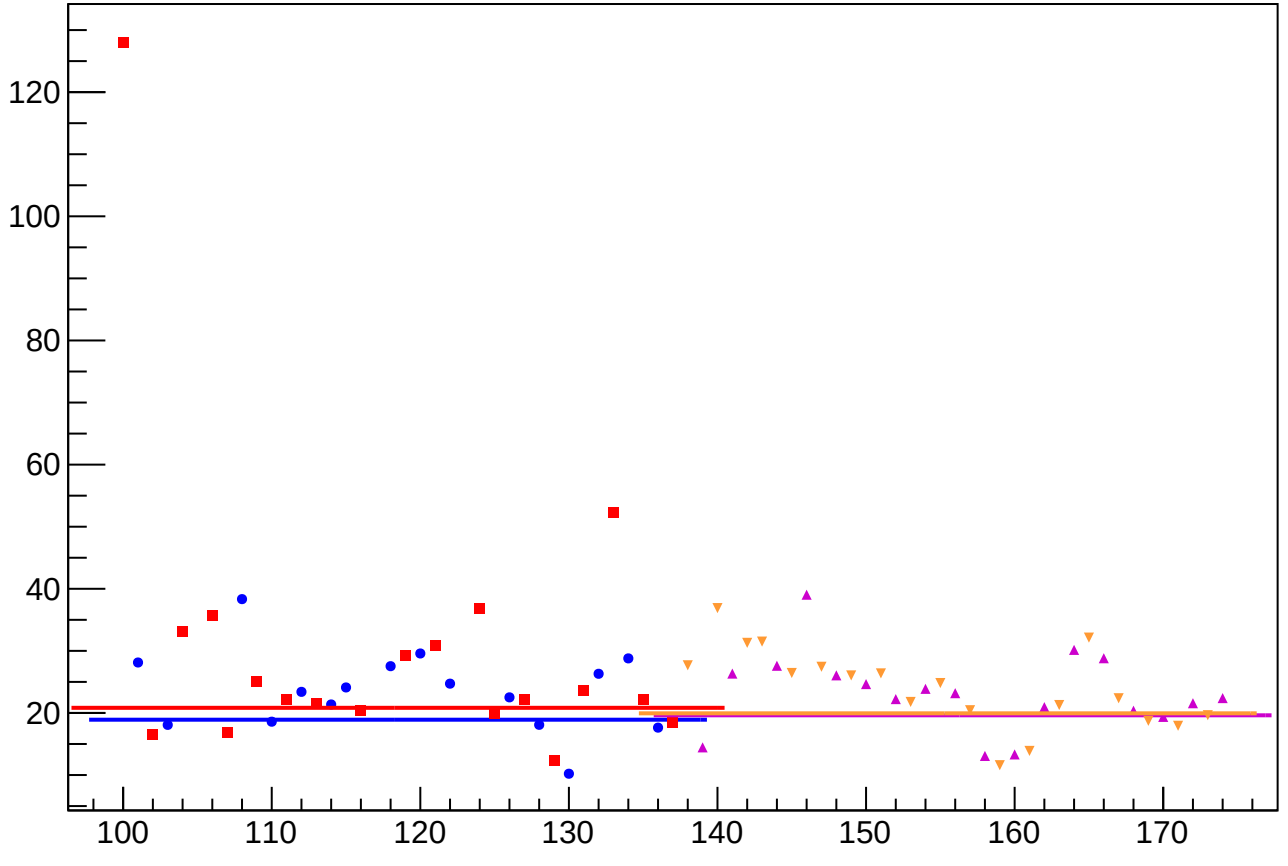
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 89.8/71

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.939+/-0.004 χ^2/NDF:2534257.5/18

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

Left: 19.777+/-0.003 χ^2/NDF: 4707792.3/36

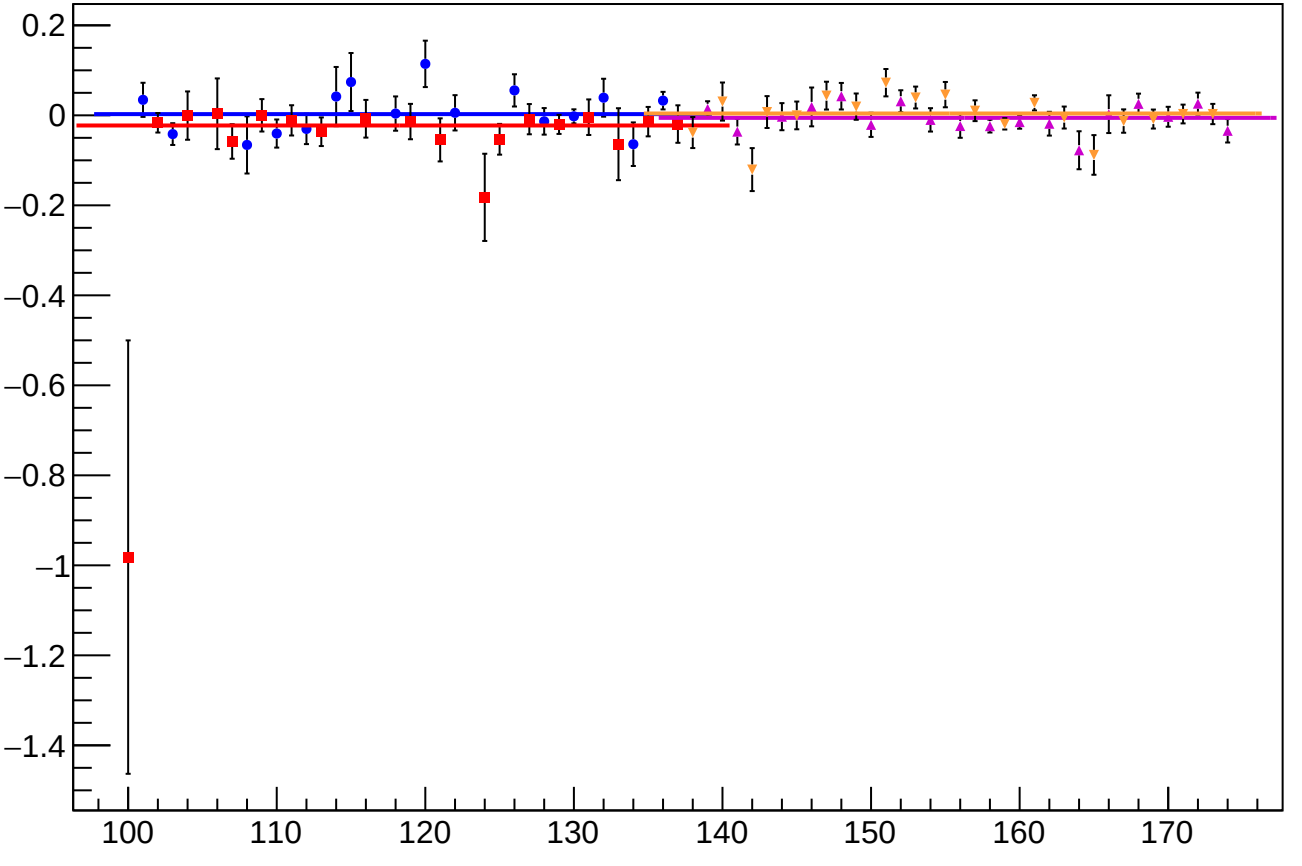
Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.384+/-0.003 χ^2/NDF:3571473.7/33

Out: 20.211+/-0.003 χ^2/NDF:3841106.8/37

All: 19.783+/-0.002 χ^2/NDF: 7445009.6/71

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.008 χ^2/NDF: 22.0/15

Left Out: 0.004+/-0.006 χ^2/NDF:30.7/18

Right Out: -0.023+/-0.008 χ^2/NDF: 10.8/18

Left In: -0.006+/-0.006 χ^2/NDF:18.7/17

Left: -0.001+/-0.004 χ^2/NDF: 50.9/36

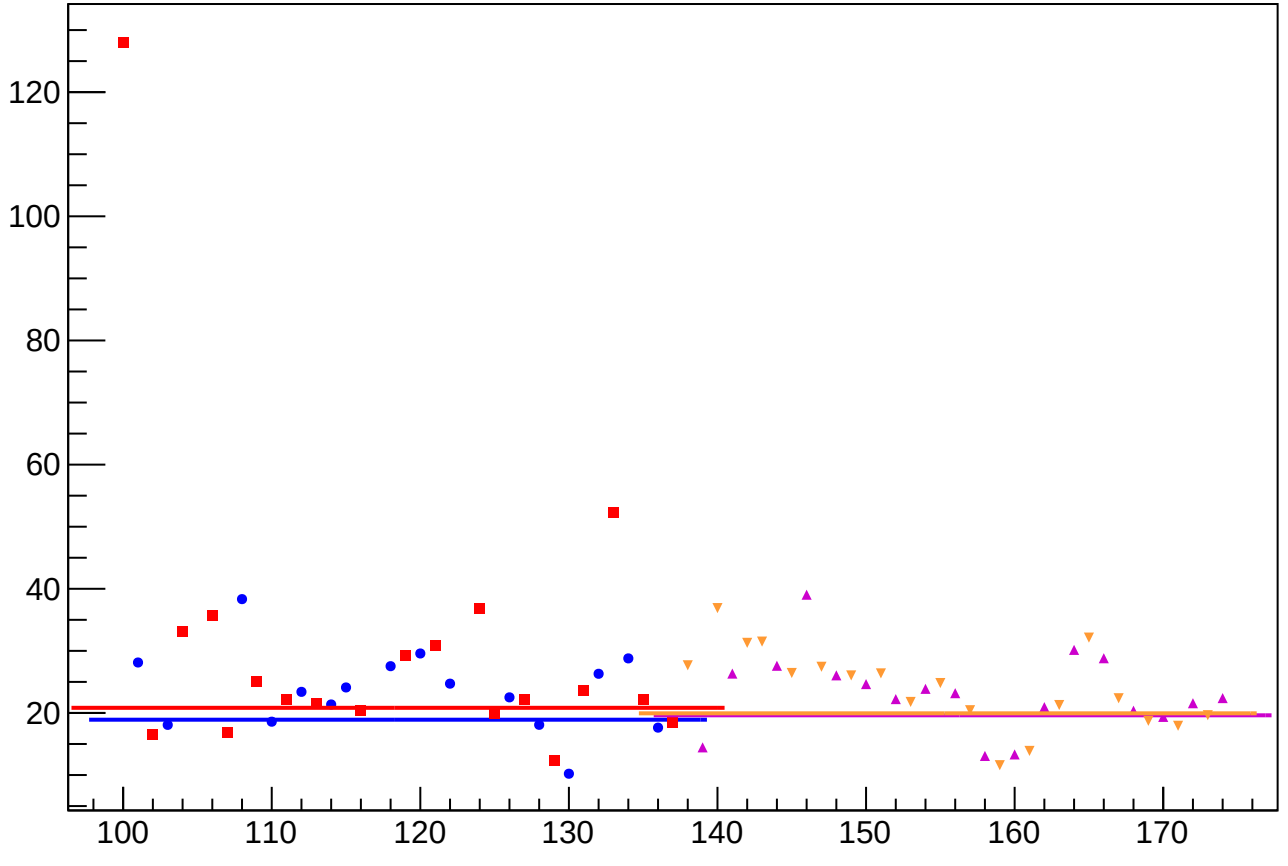
Right: -0.009+/-0.006 χ^2/NDF: 37.5/34

In: -0.003+/-0.005 χ^2/NDF:41.4/33

Out: -0.004+/-0.005 χ^2/NDF:48.3/37

All: -0.003+/-0.003 χ^2/NDF: 89.8/71

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 18.912+/-0.006 χ^2/NDF: 1390233.4/15

Left Out: 19.939+/-0.004 χ^2/NDF:2534257.5/18

Right Out: 20.827+/-0.006 χ^2/NDF: 1291537.3/18

Left In: 19.620+/-0.004 χ^2/NDF:2170261.2/17

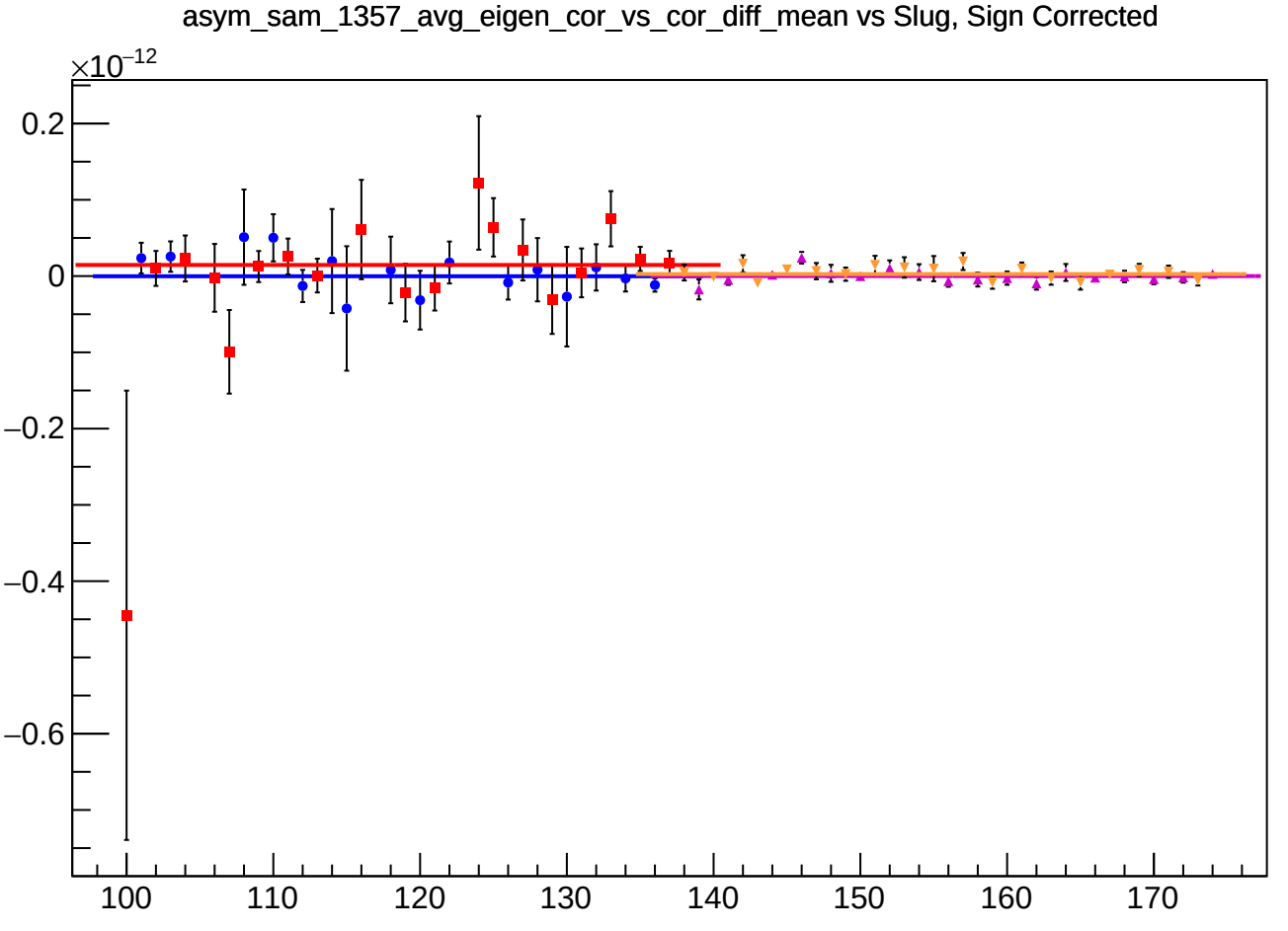
Left: 19.777+/-0.003 χ^2/NDF: 4707792.3/36

Right: 19.793+/-0.004 χ^2/NDF: 2737206.7/34

In: 19.384+/-0.003 χ^2/NDF:3571473.7/33

Out: 20.211+/-0.003 χ^2/NDF:3841106.8/37

All: 19.783+/-0.002 χ^2/NDF: 7445009.6/71



Right In: -0.000+/-0.000 χ^2/NDF: 10.5/15

Left Out: 0.000+/-0.000 χ^2/NDF:16.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/18

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

Left: 0.000+/-0.000 χ^2/NDF: 34.9/36

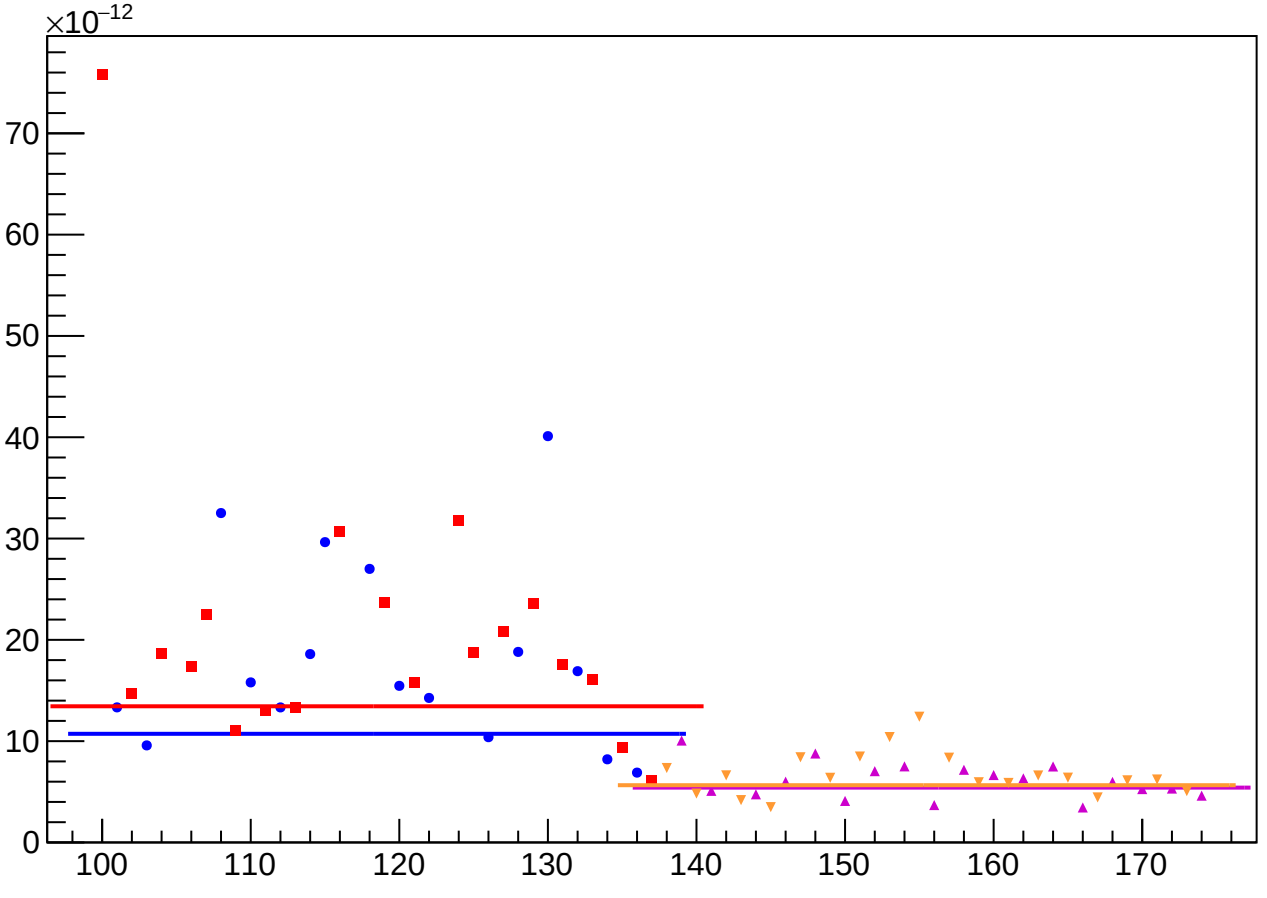
Right: 0.000+/-0.000 χ^2/NDF: 31.1/34

In: -0.000+/-0.000 χ^2/NDF:27.6/33

Out: 0.000+/-0.000 χ^2/NDF:37.5/37

All: 0.000+/-0.000 χ^2/NDF: 67.2/71

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1836547.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1706405.8/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1402984.9/18

Left In: 0.000+/-0.000 χ^2/NDF:1284963.0/17

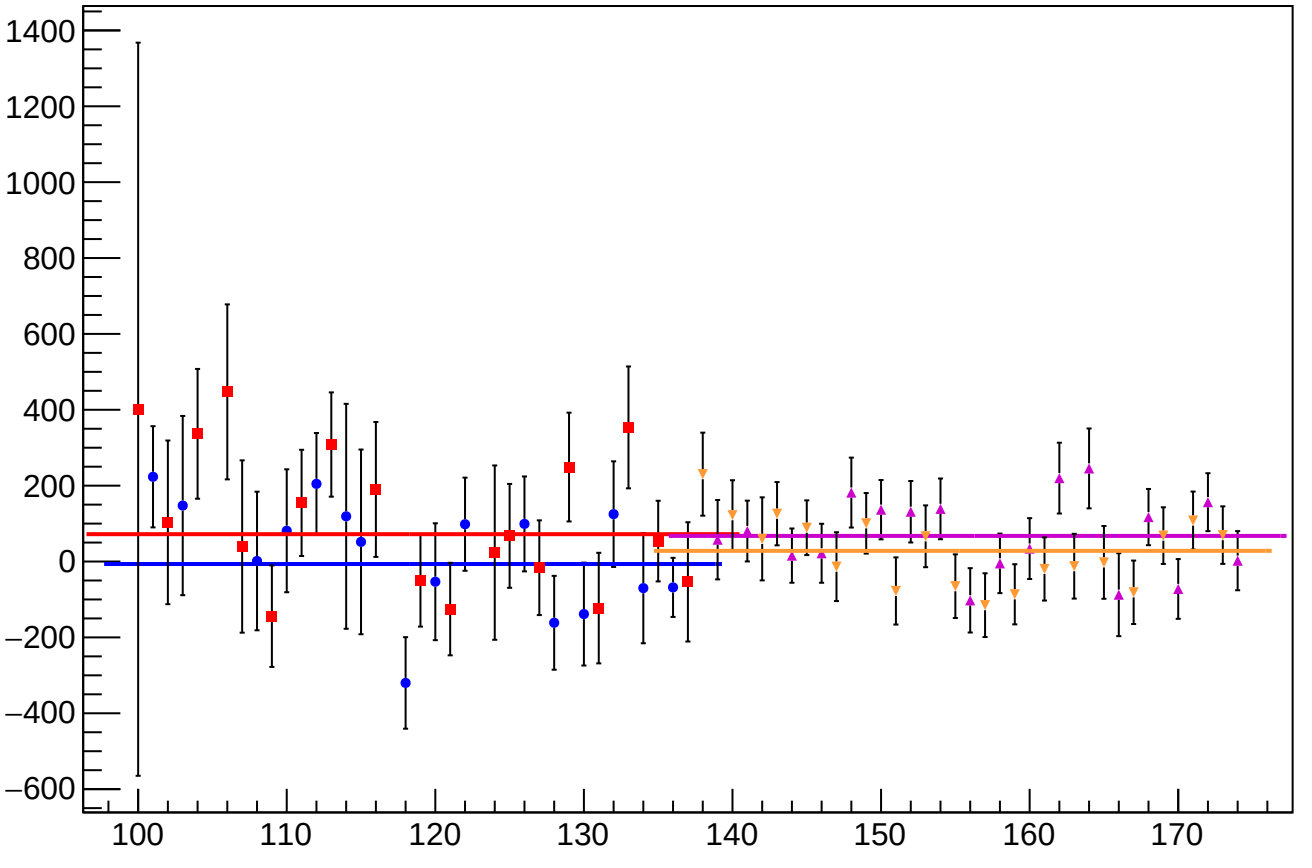
Left: 0.000+/-0.000 χ^2/NDF: 3008270.6/36

Right: 0.000+/-0.000 χ^2/NDF: 3438709.3/34

In: 0.000+/-0.000 χ^2/NDF:4750817.3/33

Out: 0.000+/-0.000 χ^2/NDF:5737974.2/37

All: 0.000+/-0.000 χ^2/NDF: 10522909.9/71



Right In: -6.559+/-34.286 χ^2/NDF: 18.9/15

Left Out: 28.166+/-19.323 χ^2/NDF:19.6/18

Right Out: 72.124+/-34.883 χ^2/NDF: 22.8/18

Left In: 67.533+/-19.526 χ^2/NDF:22.9/17

Left: 47.643+/-13.735 χ^2/NDF: 44.5/36

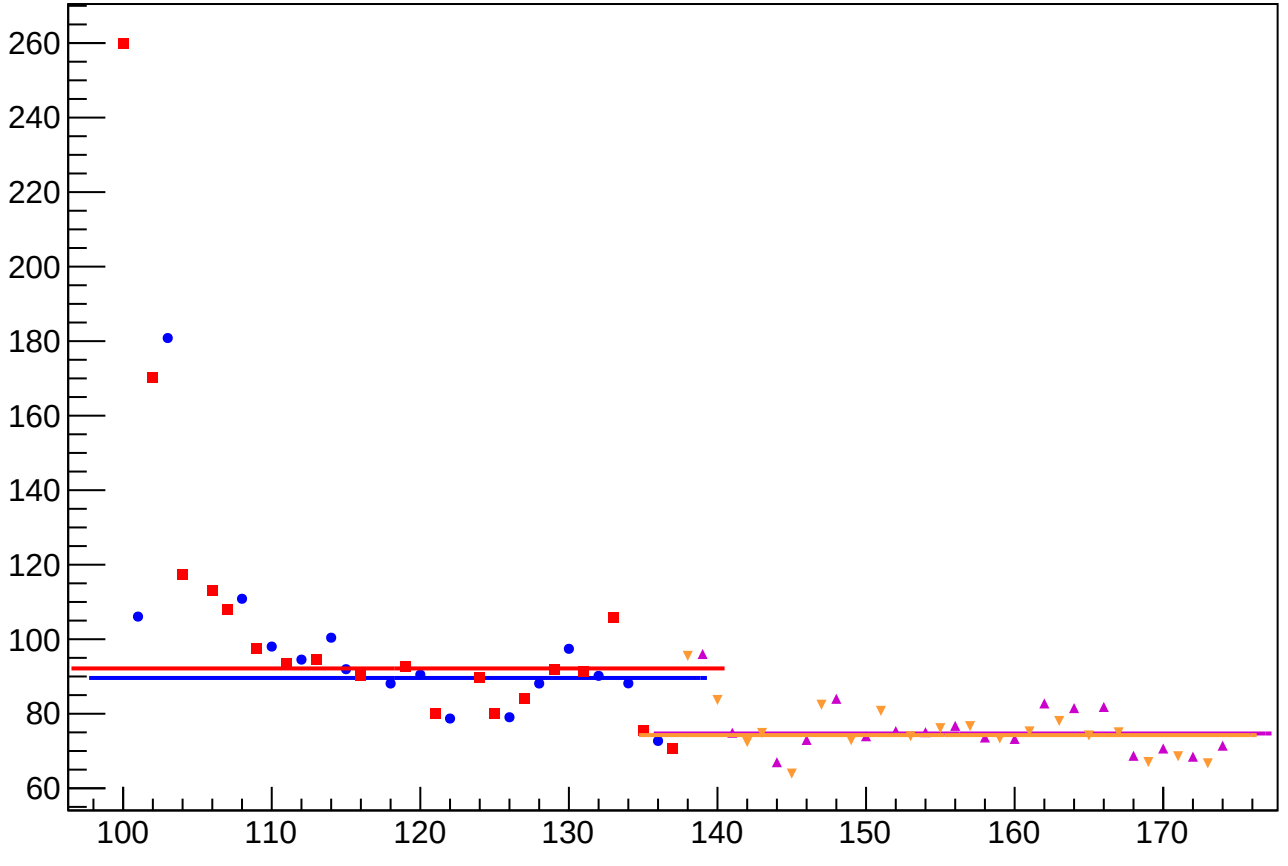
Right: 32.104+/-24.452 χ^2/NDF: 44.3/34

In: 49.387+/-16.968 χ^2/NDF:45.3/33

Out: 38.487+/-16.903 χ^2/NDF:43.6/37

All: 43.916+/-11.975 χ^2/NDF: 89.1/71

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498380.8/15

Left Out: 74.269+/-0.014 χ^2/NDF:222842.2/18

Right Out: 92.161+/-0.025 χ^2/NDF: 542074.4/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

Left: 74.484+/-0.010 χ^2/NDF: 420553.3/36

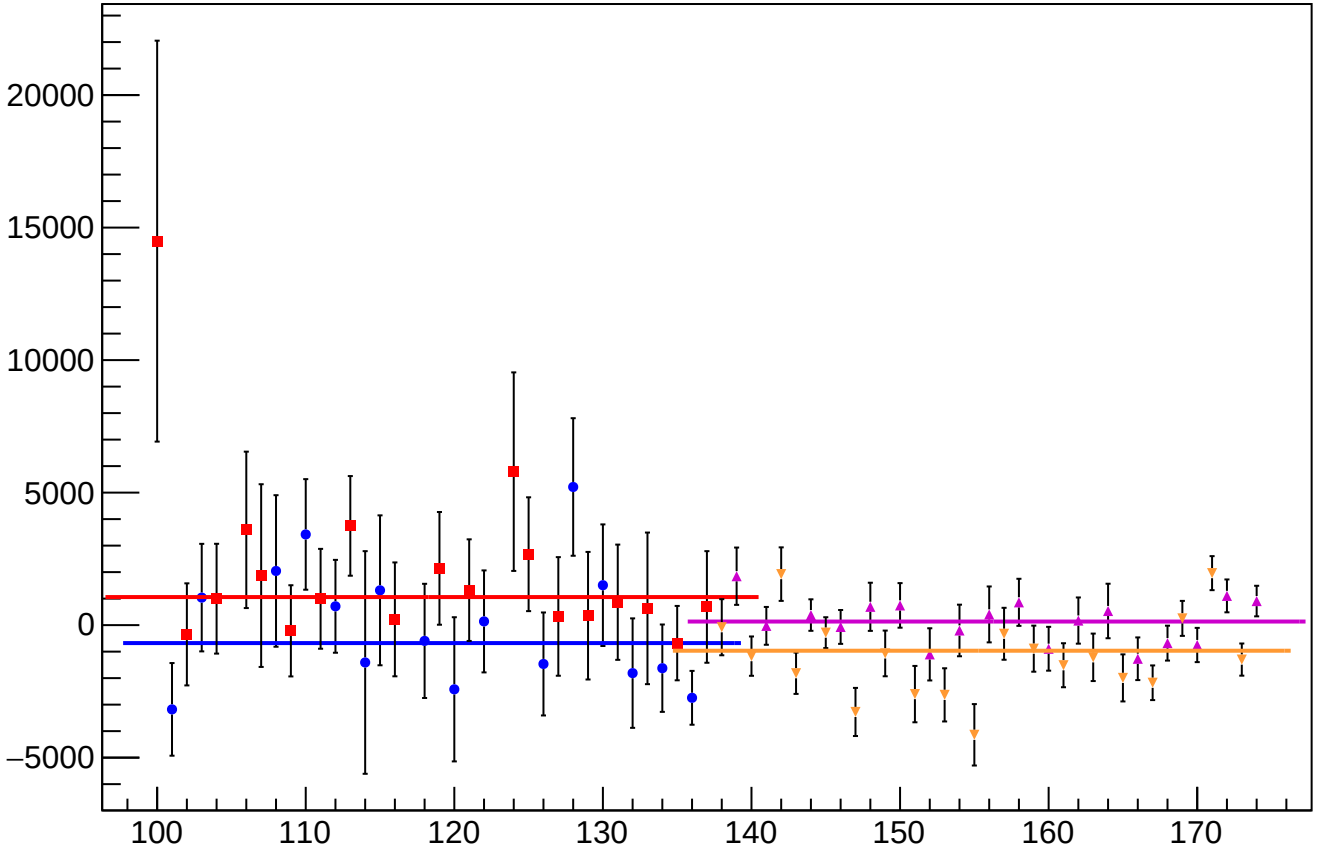
Right: 90.860+/-0.017 χ^2/NDF: 1045922.9/34

In: 78.352+/-0.012 χ^2/NDF:980826.9/33

Out: 78.470+/-0.012 χ^2/NDF:1167537.3/37

All: 78.411+/-0.008 χ^2/NDF: 2148412.6/71

asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -677.381+/-486.480 χ^2/NDF: 20.3/15

Left Out: -965.968+/-183.870 χ^2/NDF:60.9/18

Right Out: 1058.761+/-496.350 χ^2/NDF: 11.5/18

Left In: 135.098+/-180.909 χ^2/NDF:18.5/17

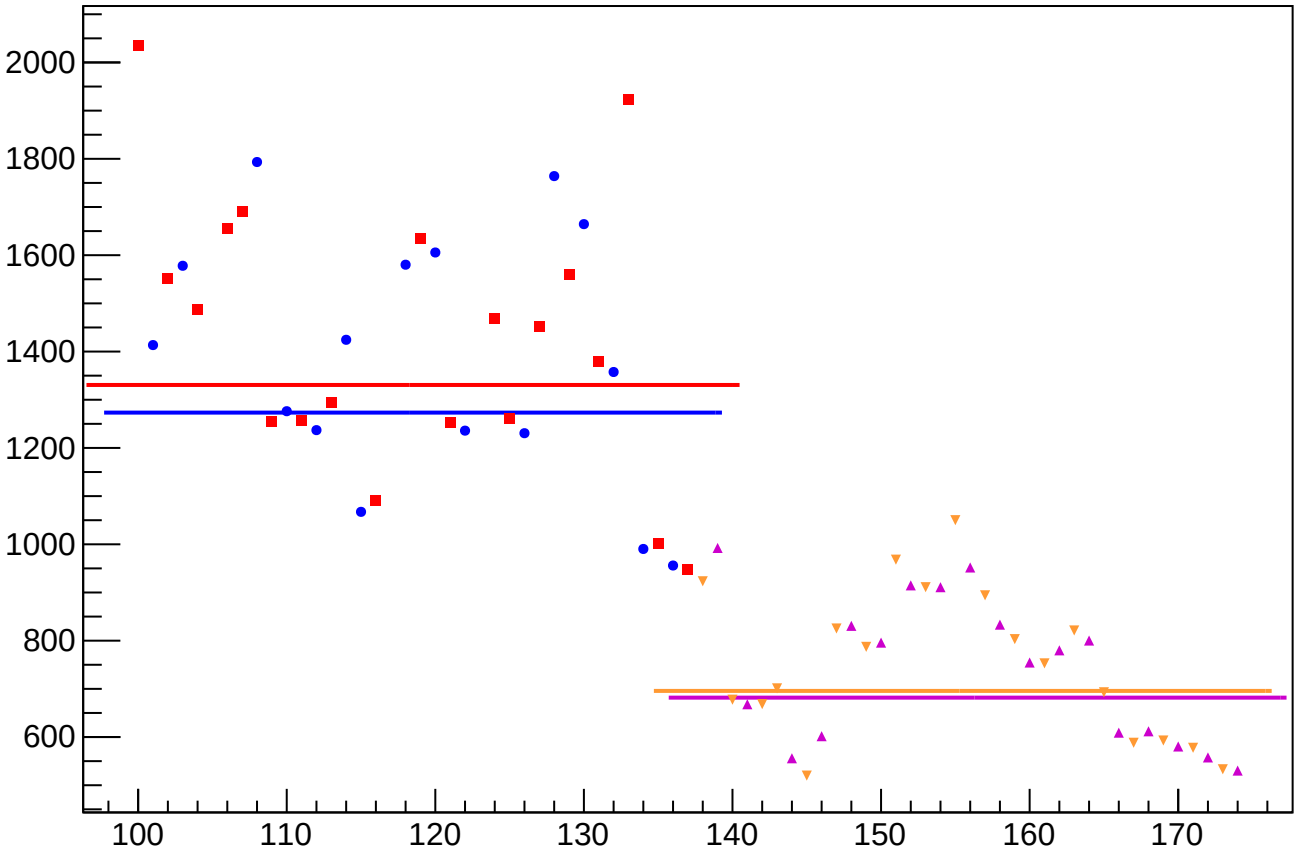
Left: -406.495+/-128.956 χ^2/NDF: 97.6/36

Right: 173.256+/-347.430 χ^2/NDF: 38.0/34

In: 36.391+/-169.564 χ^2/NDF:41.2/33

Out: -721.643+/-172.420 χ^2/NDF:86.9/37

All: -336.295+/-120.897 χ^2/NDF: 138.0/71



Right In: 1273.324+/-0.344 χ^2/NDF: 597520.6/15

Left Out: 695.746+/-0.130 χ^2/NDF:1226457.9/18

Right Out: 1330.683+/-0.351 χ^2/NDF: 470703.7/18

Left In: 681.773+/-0.128 χ^2/NDF:1163084.8/17

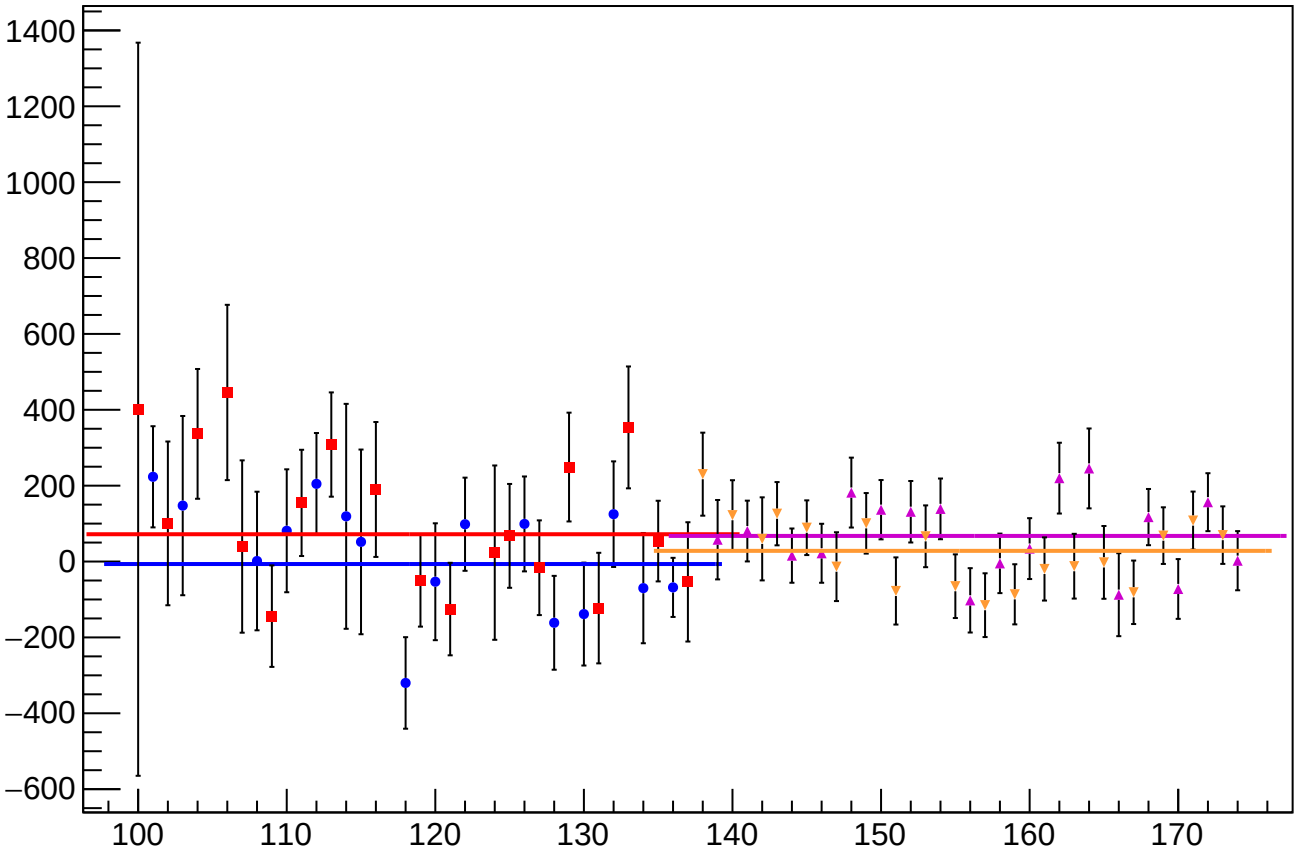
Left: 688.646+/-0.091 χ^2/NDF: 2395411.5/36

Right: 1301.428+/-0.246 χ^2/NDF: 1081847.0/34

In: 753.639+/-0.120 χ^2/NDF:4358568.6/33

Out: 772.364+/-0.122 χ^2/NDF:4575008.9/37

All: 762.845+/-0.085 χ^2/NDF: 8945567.6/71



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 28.168+/-19.323 χ^2/NDF:19.6/18

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 67.532+/-19.526 χ^2/NDF:22.9/17

Left: 47.644+/-13.735 χ^2/NDF: 44.5/36

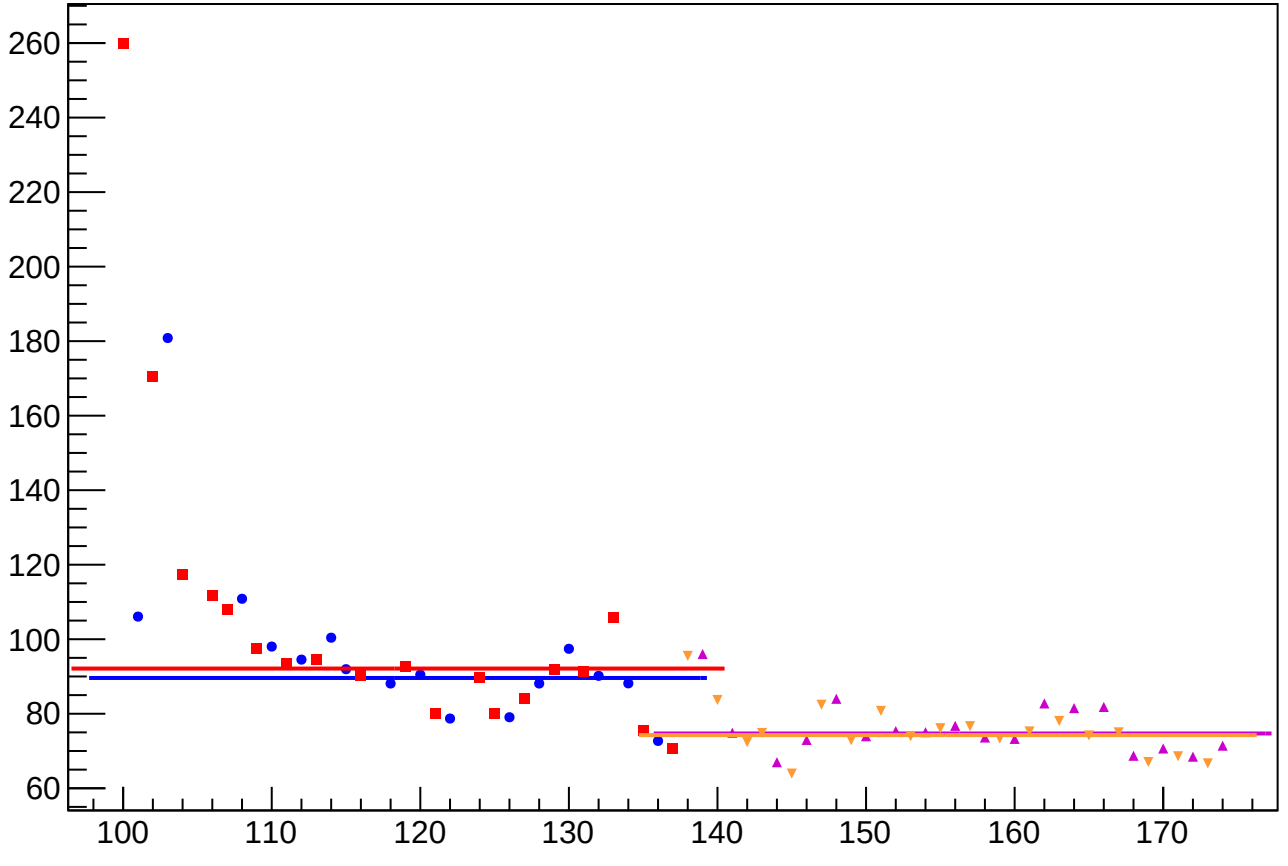
Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 49.384+/-16.968 χ^2/NDF:45.3/33

Out: 38.454+/-16.903 χ^2/NDF:43.5/37

All: 43.898+/-11.975 χ^2/NDF: 89.1/71

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.269+/-0.014 χ^2/NDF:222842.2/18

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

Left: 74.484+/-0.010 χ^2/NDF: 420553.3/36

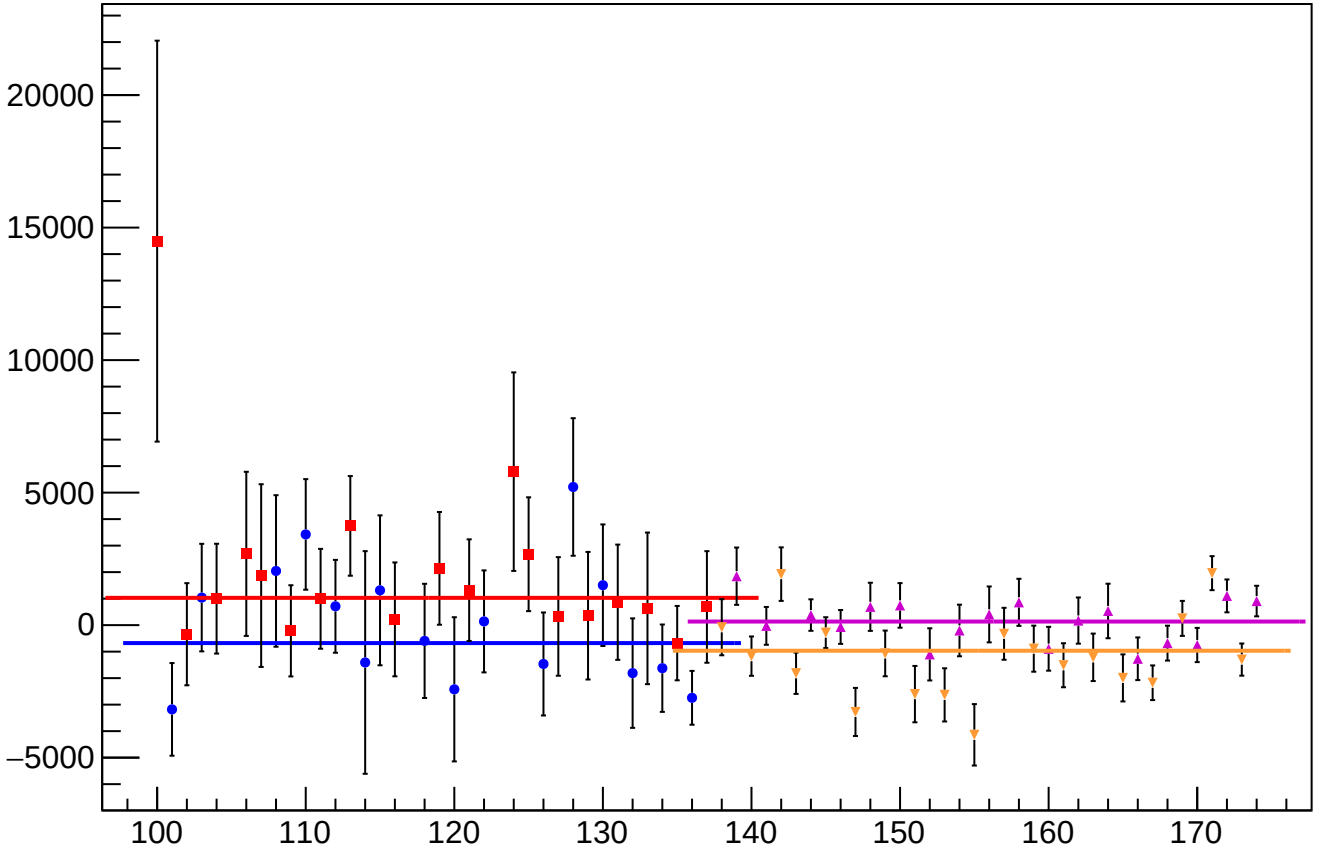
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.352+/-0.012 χ^2/NDF:980830.4/33

Out: 78.462+/-0.012 χ^2/NDF:1164308.0/37

All: 78.408+/-0.008 χ^2/NDF: 2145180.6/71

asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -965.963+/-183.870 χ^2/NDF:60.9/18

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 135.099+/-180.909 χ^2/NDF:18.5/17

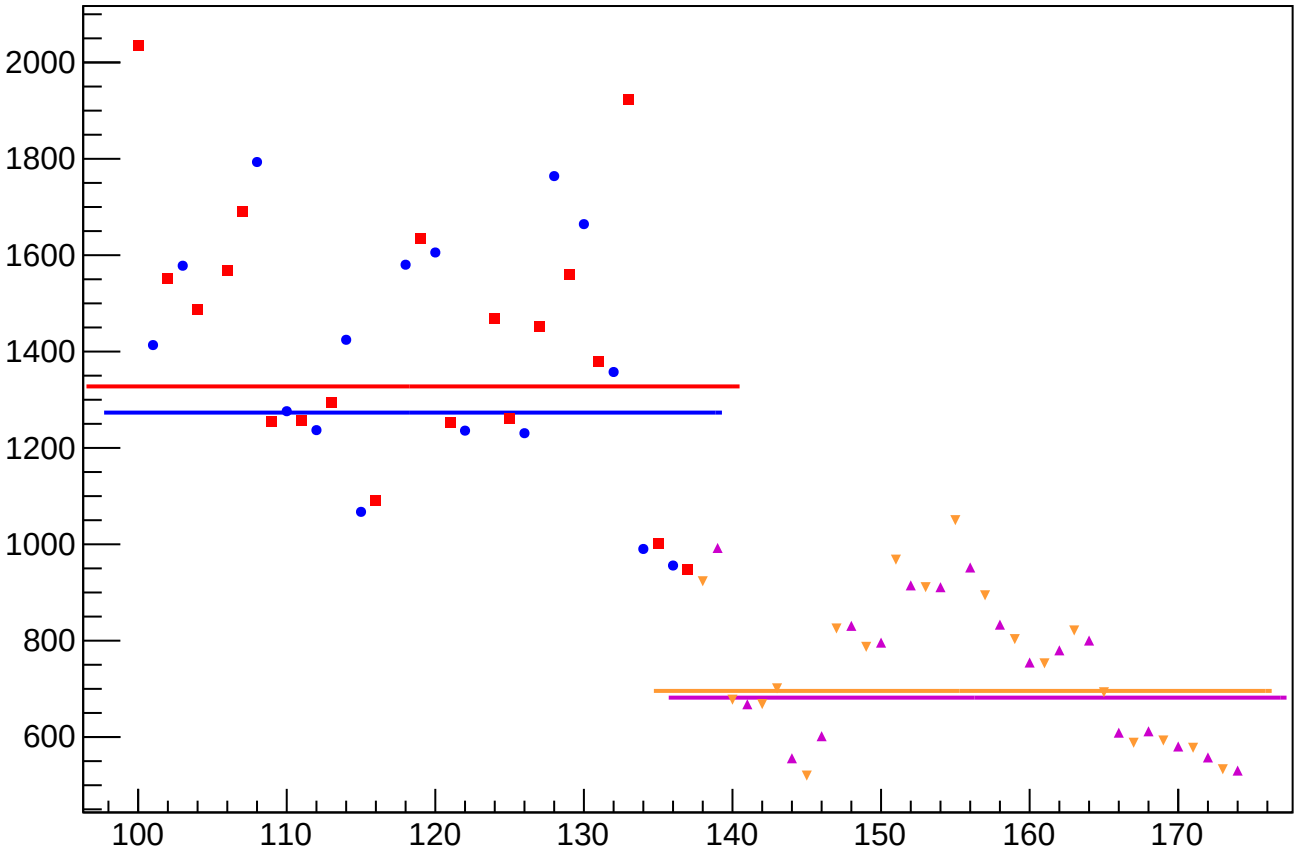
Left: -406.493+/-128.956 χ^2/NDF: 97.6/36

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 36.397+/-169.564 χ^2/NDF:41.2/33

Out: -725.752+/-172.448 χ^2/NDF:86.0/37

All: -338.251+/-120.906 χ^2/NDF: 137.2/71



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 695.745+/-0.130 χ^2/NDF:1226461.2/18

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

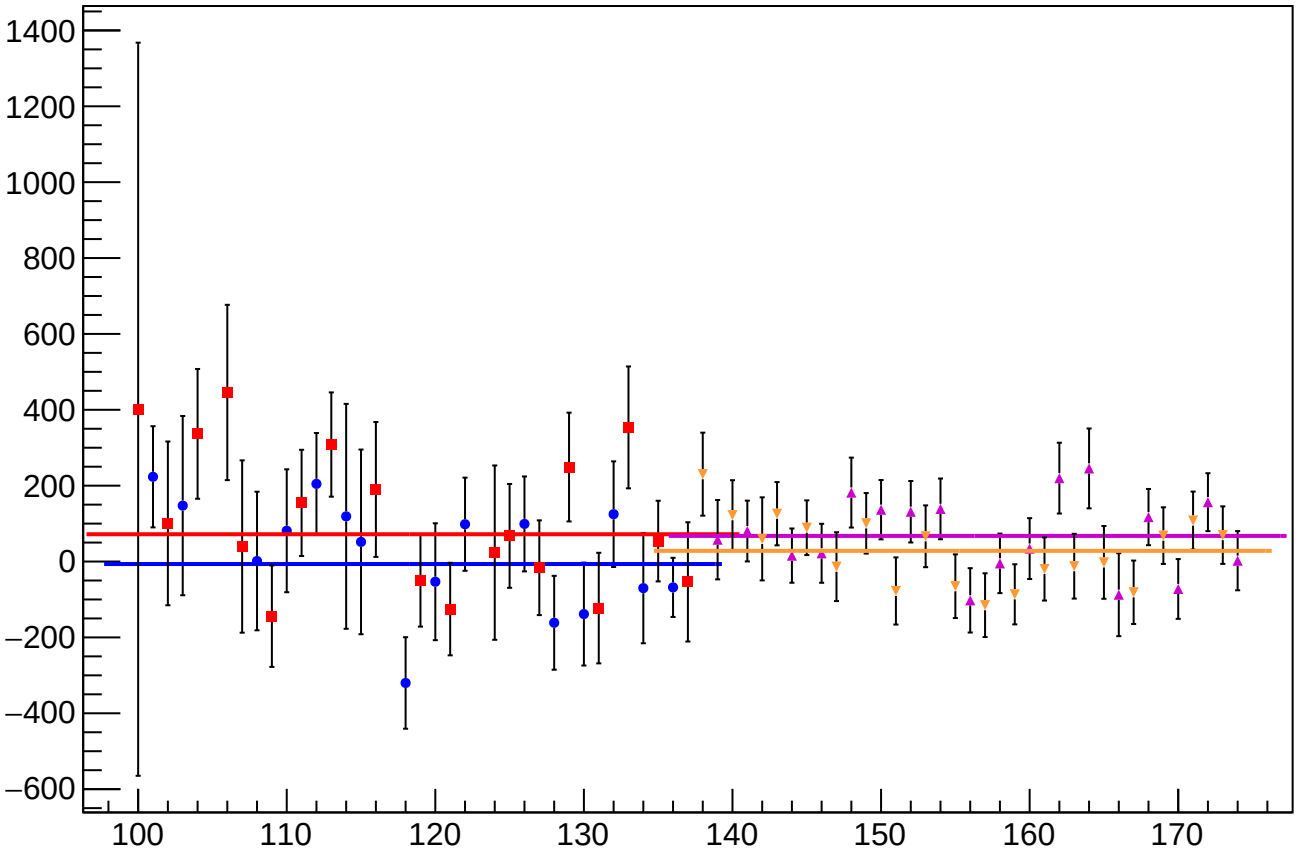
Left: 688.645+/-0.091 χ^2/NDF: 2395412.9/36

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 753.639+/-0.120 χ^2/NDF:4358605.3/33

Out: 771.818+/-0.122 χ^2/NDF:4528728.6/37

All: 762.576+/-0.085 χ^2/NDF: 8898634.2/71



Right In: -6.568+/-34.286 χ^2/NDF: 18.9/15

Left Out: 28.168+/-19.323 χ^2/NDF:19.6/18

Right Out: 71.981+/-34.885 χ^2/NDF: 22.8/18

Left In: 67.532+/-19.526 χ^2/NDF:22.9/17

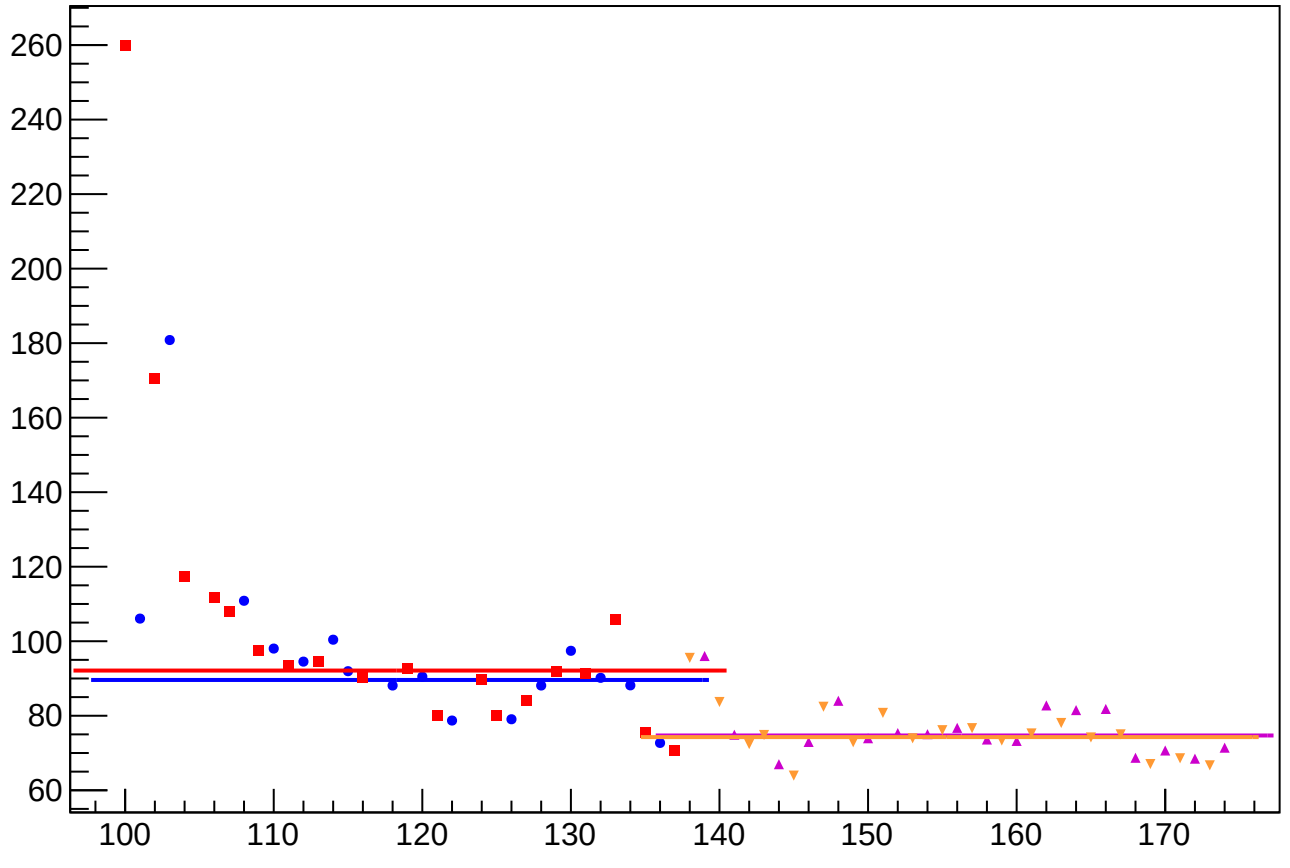
Left: 47.644+/-13.735 χ^2/NDF: 44.5/36

Right: 32.026+/-24.453 χ^2/NDF: 44.3/34

In: 49.384+/-16.968 χ^2/NDF:45.3/33

Out: 38.454+/-16.903 χ^2/NDF:43.5/37

All: 43.898+/-11.975 χ^2/NDF: 89.1/71



Right In: 89.604+/-0.024 χ^2/NDF: 498384.4/15

Left Out: 74.269+/-0.014 χ^2/NDF:222842.2/18

Right Out: 92.129+/-0.025 χ^2/NDF: 540308.7/18

Left In: 74.703+/-0.014 χ^2/NDF:197212.0/17

Left: 74.484+/-0.010 χ^2/NDF: 420553.3/36

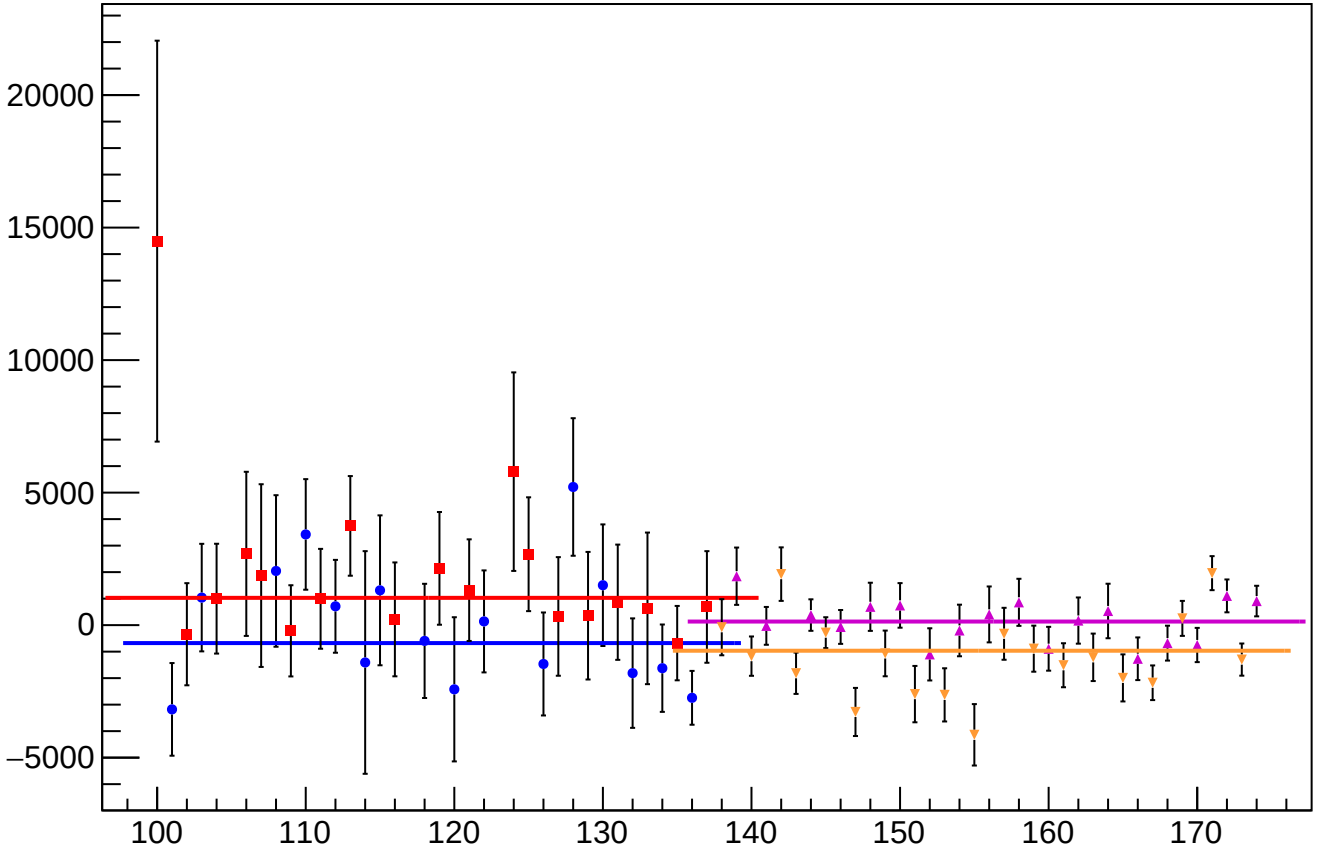
Right: 90.845+/-0.017 χ^2/NDF: 1044025.4/34

In: 78.352+/-0.012 χ^2/NDF:980830.4/33

Out: 78.462+/-0.012 χ^2/NDF:1164308.0/37

All: 78.408+/-0.008 χ^2/NDF: 2145180.6/71

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -677.345+/-486.482 χ^2/NDF: 20.3/15

Left Out: -965.963+/-183.870 χ^2/NDF:60.9/18

Right Out: 1029.395+/-497.018 χ^2/NDF: 11.0/18

Left In: 135.099+/-180.909 χ^2/NDF:18.5/17

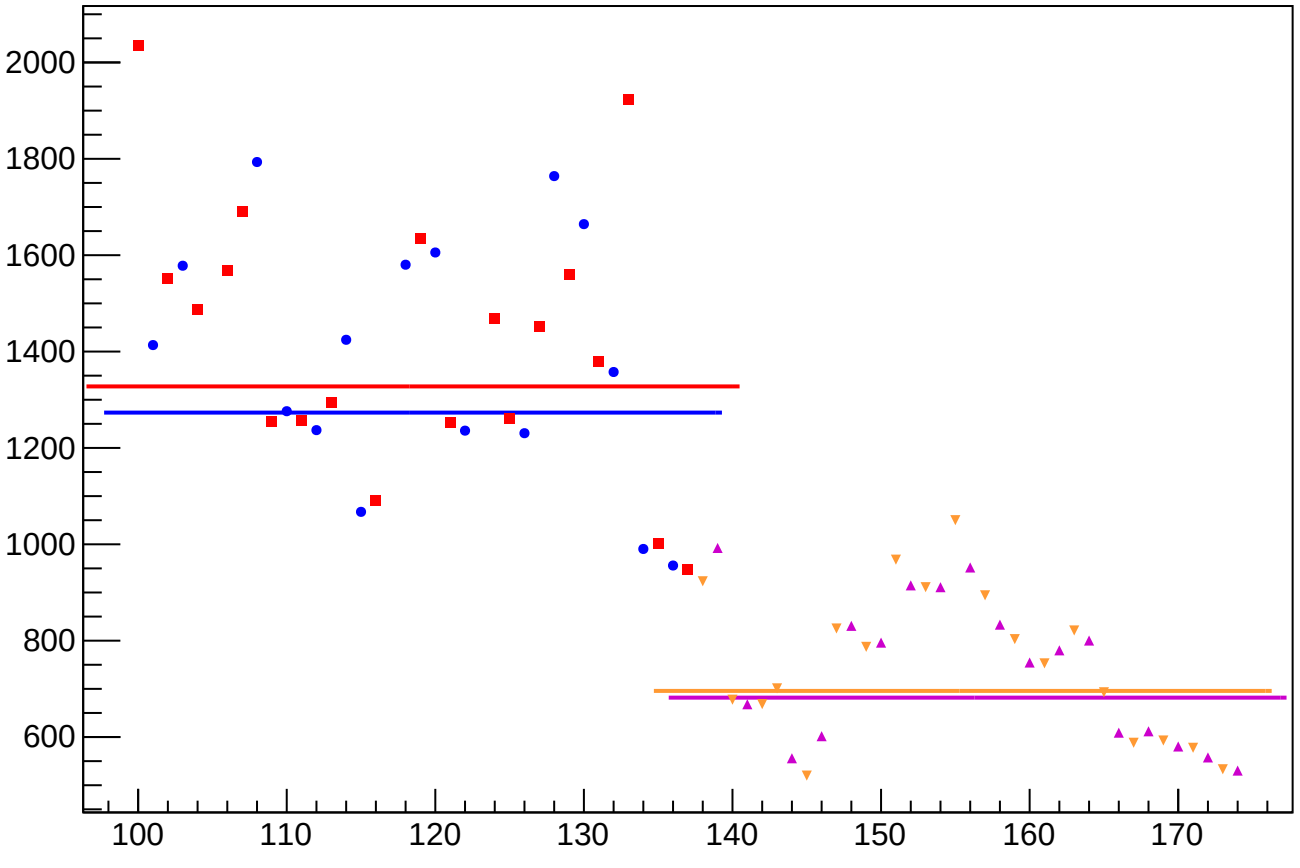
Left: -406.493+/-128.956 χ^2/NDF: 97.6/36

Right: 157.743+/-347.660 χ^2/NDF: 37.3/34

In: 36.397+/-169.564 χ^2/NDF:41.2/33

Out: -725.752+/-172.448 χ^2/NDF:86.0/37

All: -338.251+/-120.906 χ^2/NDF: 137.2/71



Right In: 1273.327+/-0.344 χ^2/NDF: 597547.8/15

Left Out: 695.745+/-0.130 χ^2/NDF:1226461.2/18

Right Out: 1327.661+/-0.351 χ^2/NDF: 458481.2/18

Left In: 681.773+/-0.128 χ^2/NDF:1163083.3/17

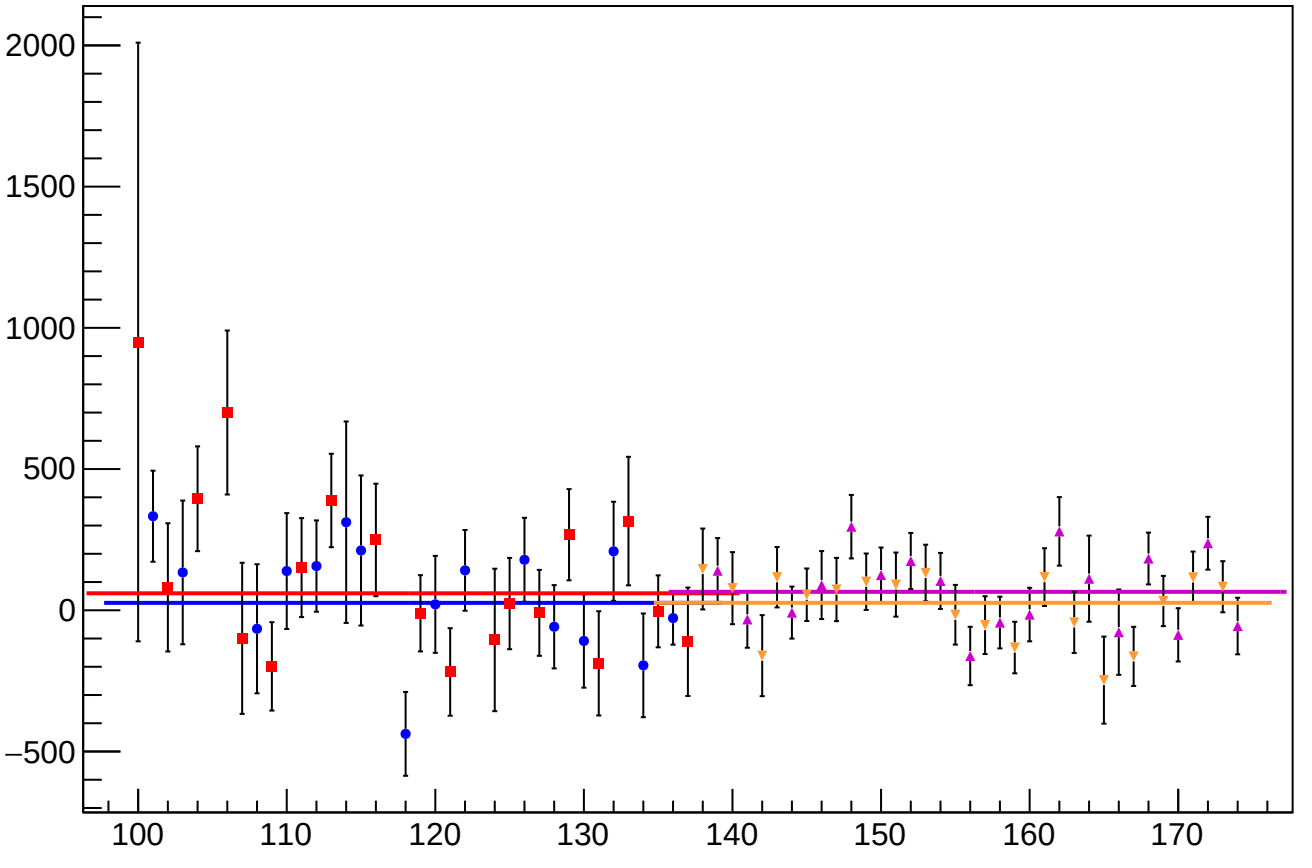
Left: 688.645+/-0.091 χ^2/NDF: 2395412.9/36

Right: 1299.912+/-0.246 χ^2/NDF: 1068235.5/34

In: 753.639+/-0.120 χ^2/NDF:4358605.3/33

Out: 771.818+/-0.122 χ^2/NDF:4528728.6/37

All: 762.576+/-0.085 χ^2/NDF: 8898634.2/71



Right In: 26.251+/-41.220 χ^2/NDF: 21.4/15

Left Out: 26.442+/-24.206 χ^2/NDF:18.3/18

Right Out: 60.119+/-41.528 χ^2/NDF: 27.0/18

Left In: 65.315+/-24.455 χ^2/NDF:28.1/17

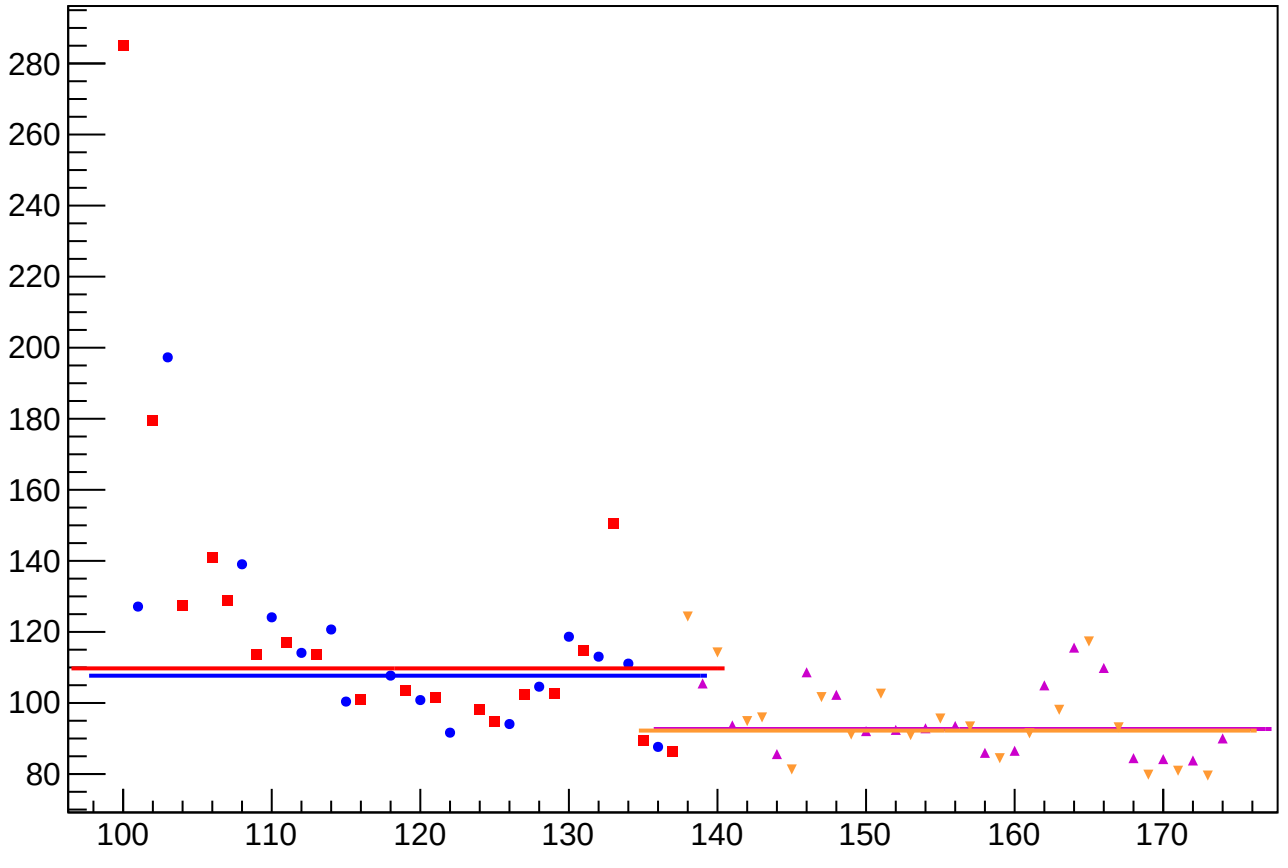
Left: 45.680+/-17.204 χ^2/NDF: 47.7/36

Right: 43.059+/-29.255 χ^2/NDF: 48.7/34

In: 55.145+/-21.032 χ^2/NDF:50.2/33

Out: 34.982+/-20.913 χ^2/NDF:45.8/37

All: 45.007+/-14.830 χ^2/NDF: 96.4/71



Right In: 107.680+/-0.029 χ^2/NDF: 483125.6/15

Left Out: 92.232+/-0.017 χ^2/NDF:406702.6/18

Right Out: 109.739+/-0.029 χ^2/NDF: 491787.3/18

Left In: 92.677+/-0.017 χ^2/NDF:248737.8/17

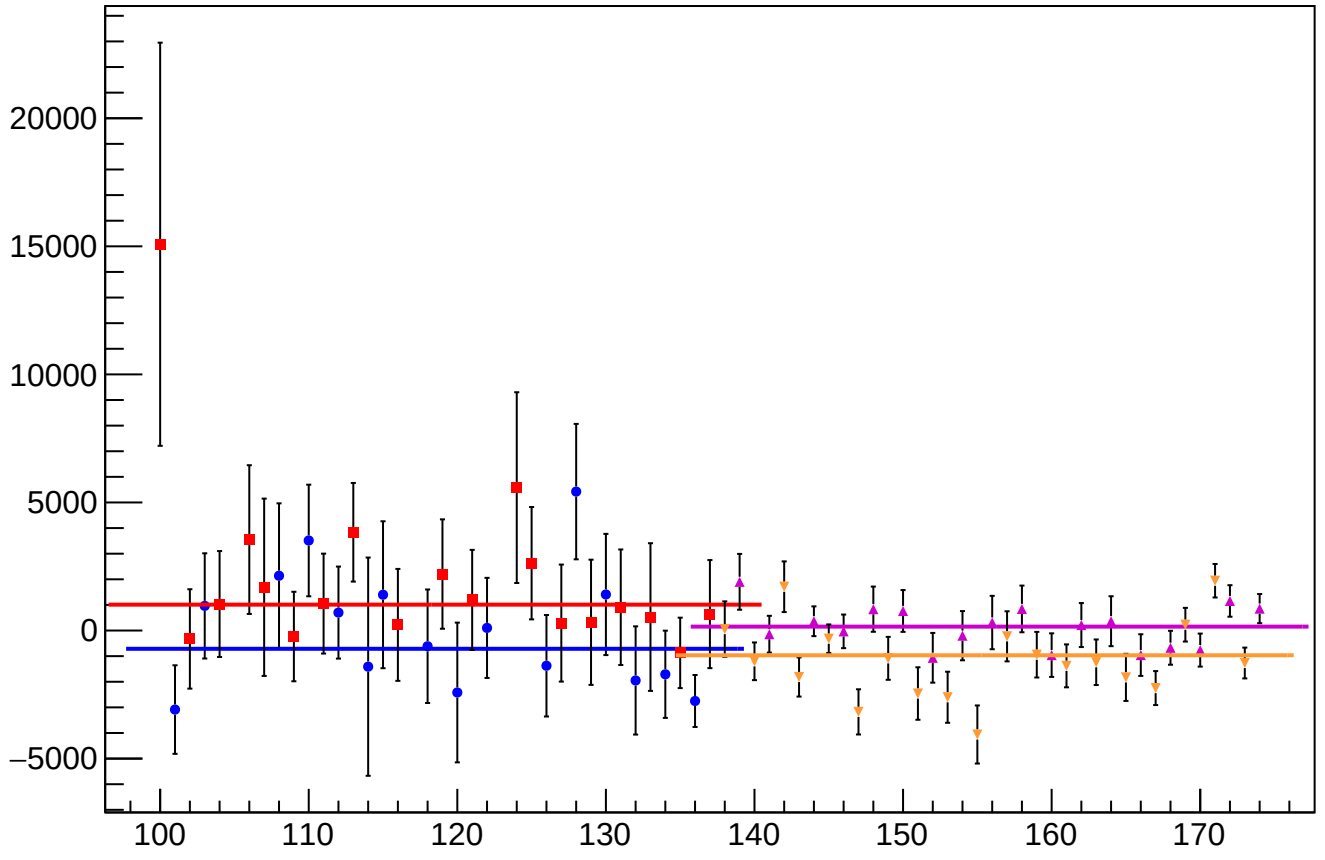
Left: 92.452+/-0.012 χ^2/NDF: 655774.4/36

Right: 108.702+/-0.021 χ^2/NDF: 977390.9/34

In: 96.583+/-0.015 χ^2/NDF:927837.7/33

Out: 96.672+/-0.015 χ^2/NDF:1163796.0/37

All: 96.628+/-0.010 χ^2/NDF: 2091651.9/71



Right In: -712.887+/-493.253 χ^2/NDF: 20.1/15

Left Out: -966.623+/-182.673 χ^2/NDF:58.3/18

Right Out: 1010.557+/-501.374 χ^2/NDF: 11.8/18

Left In: 152.805+/-180.074 χ^2/NDF:17.8/17

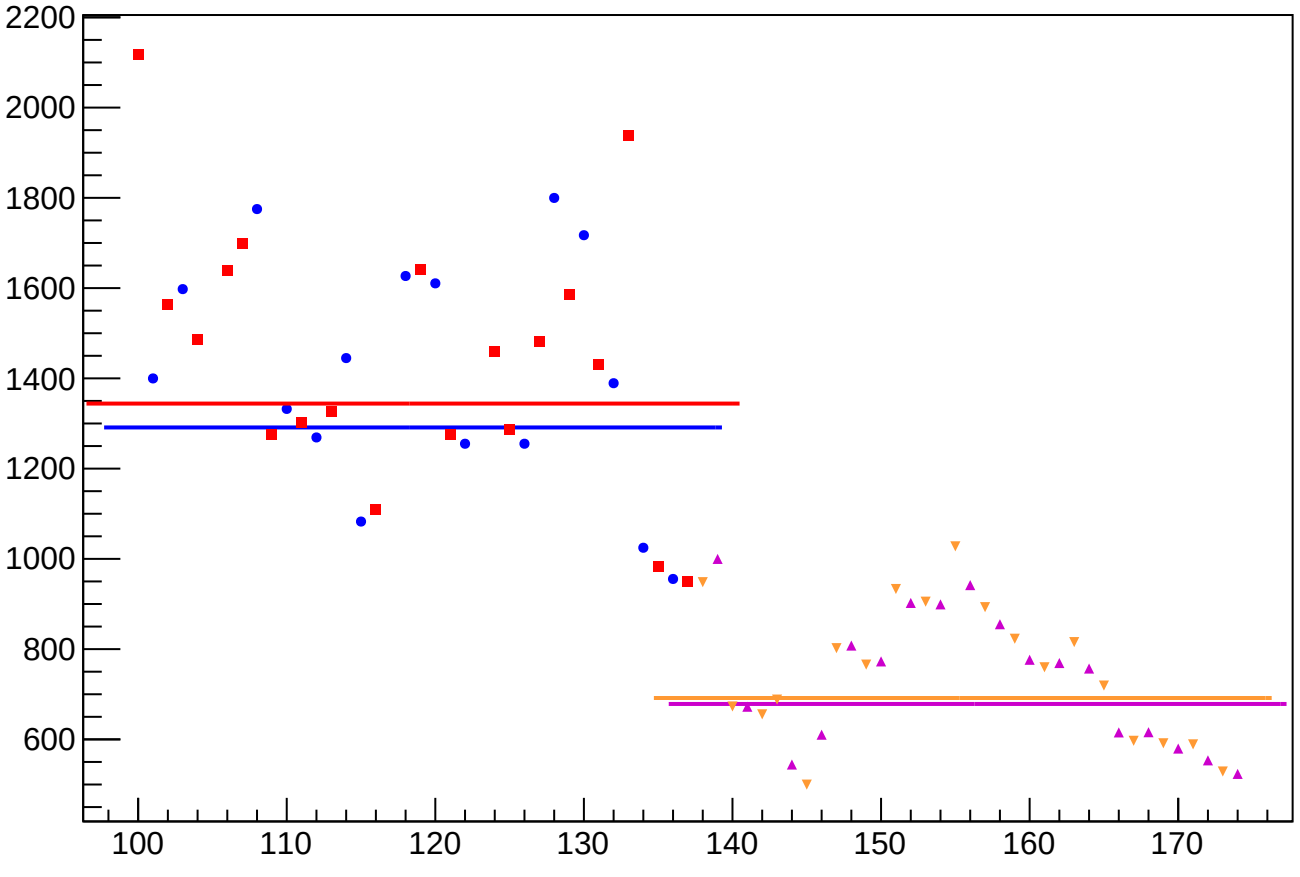
Left: -398.889+/-128.241 χ^2/NDF: 95.2/36

Right: 134.764+/-351.618 χ^2/NDF: 37.9/34

In: 50.995+/-169.154 χ^2/NDF:40.6/33

Out: -734.916+/-171.636 χ^2/NDF:83.8/37

All: -336.237+/-120.478 χ^2/NDF: 135.1/71



Right In: 1291.223+/-0.349 χ^2/NDF: 610897.3/15

Left Out: 691.709+/-0.129 χ^2/NDF:1244985.1/18

Right Out: 1344.118+/-0.355 χ^2/NDF: 490963.7/18

Left In: 678.492+/-0.127 χ^2/NDF:1156155.1/17

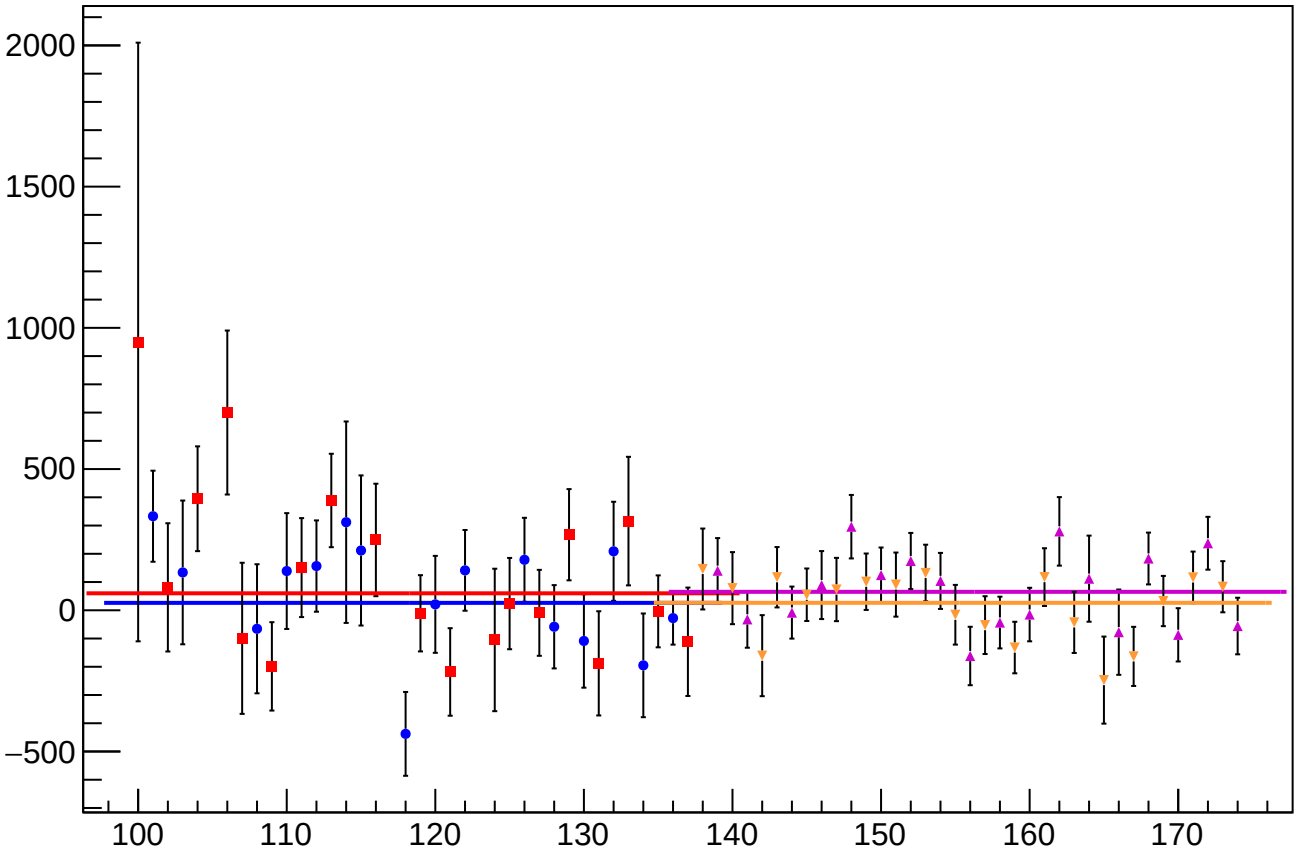
Left: 685.005+/-0.091 χ^2/NDF: 2406450.0/36

Right: 1317.239+/-0.249 χ^2/NDF: 1113173.0/34

In: 750.552+/-0.120 χ^2/NDF:4490341.7/33

Out: 768.165+/-0.121 χ^2/NDF:4725555.2/37

All: 759.230+/-0.085 χ^2/NDF: 9226580.4/71



Right In: 26.252+/-41.219 χ^2/NDF: 21.4/15

Left Out: 26.442+/-24.207 χ^2/NDF:18.3/18

Right Out: 60.117+/-41.528 χ^2/NDF: 27.0/18

Left In: 65.314+/-24.455 χ^2/NDF:28.1/17

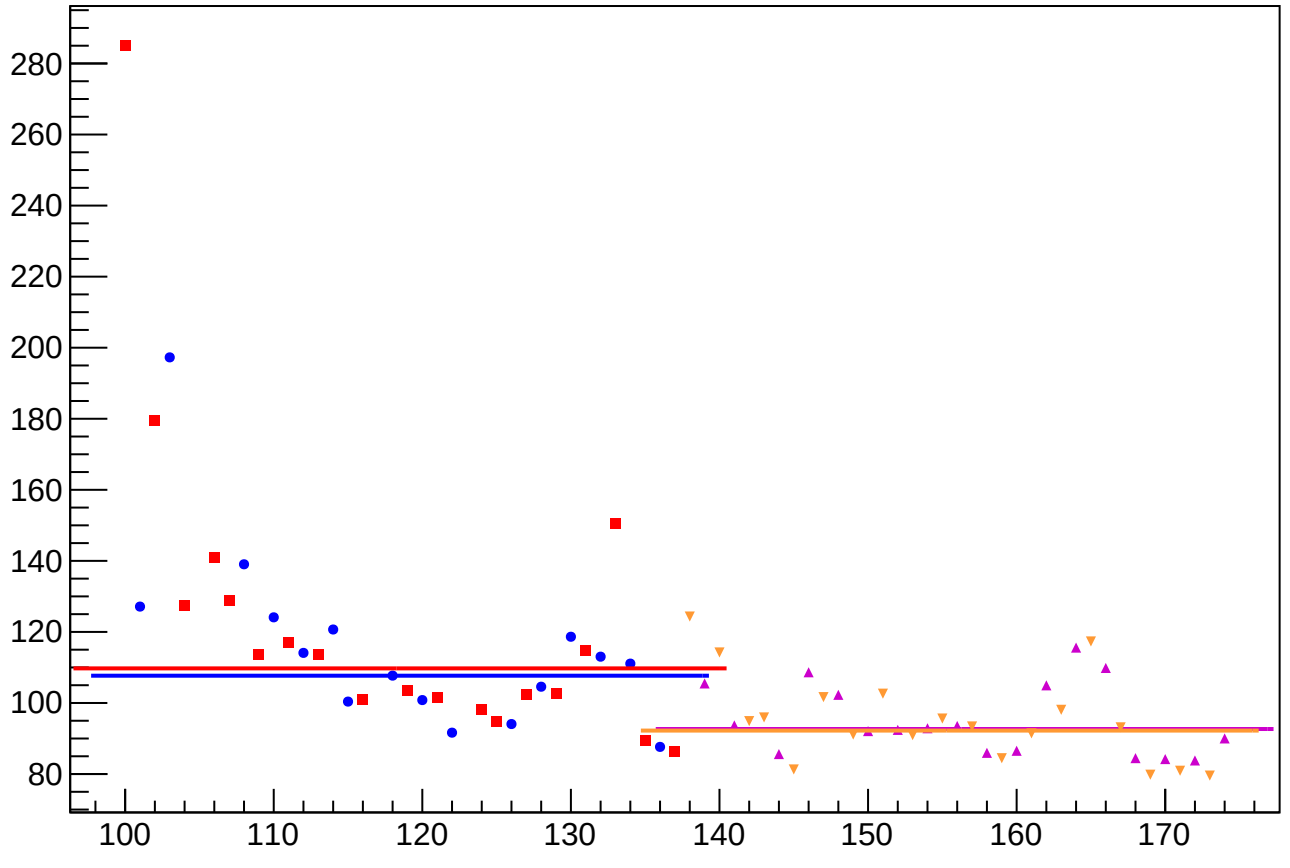
Left: 45.680+/-17.204 χ^2/NDF: 47.7/36

Right: 43.058+/-29.255 χ^2/NDF: 48.7/34

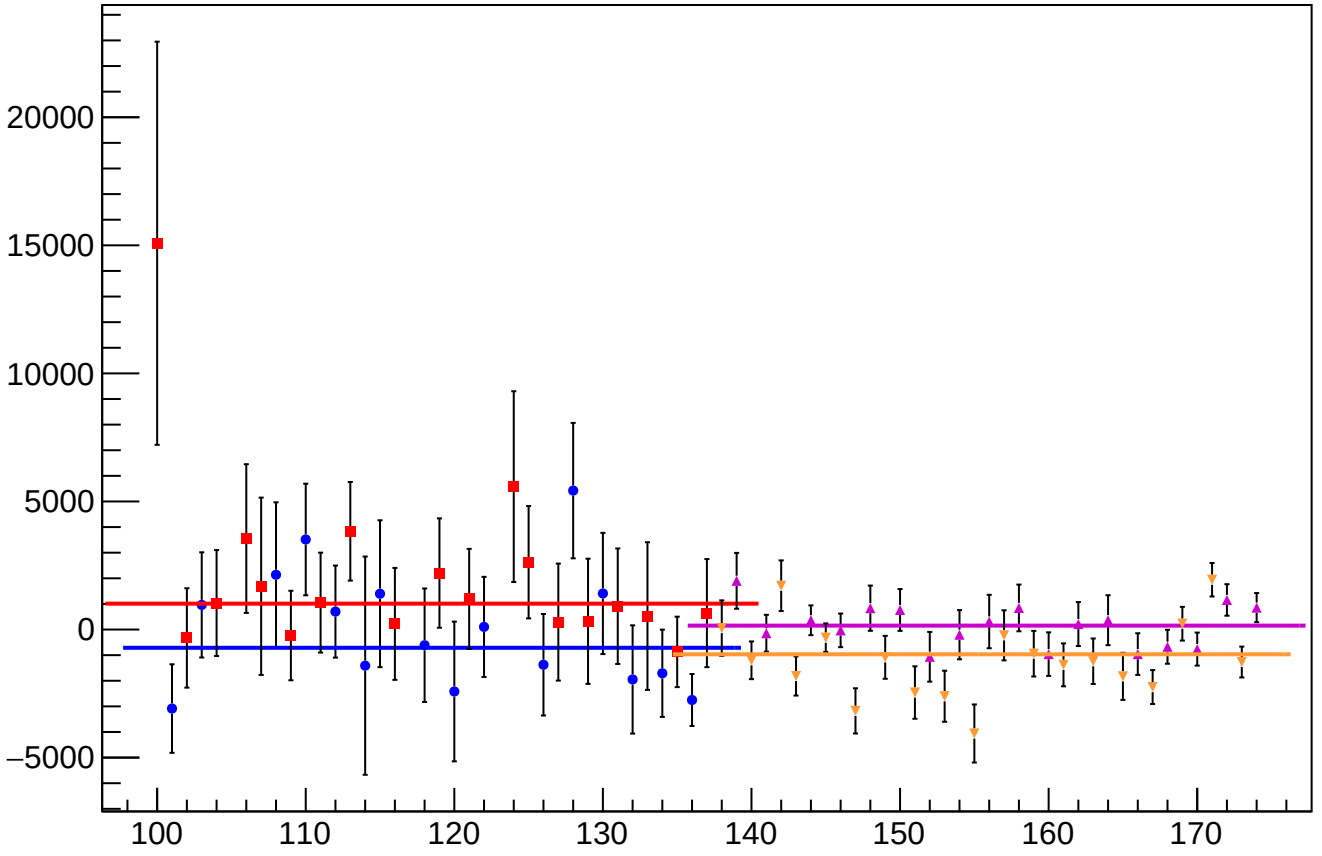
In: 55.144+/-21.032 χ^2/NDF:50.2/33

Out: 34.982+/-20.913 χ^2/NDF:45.8/37

All: 45.006+/-14.830 χ^2/NDF: 96.4/71


eigen_dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected
280
260
240
220
200
180
160
140
120
100
80
100
110
120
130
140
150
160
170
Right In: 107.679+/-0.029 χ²/NDF: 483112.2/15
Left Out: 92.233+/-0.017 χ²/NDF:406697.0/18
Right Out: 109.739+/-0.029 χ²/NDF: 491784.5/18
Left In: 92.677+/-0.017 χ²/NDF:248740.8/17
Left: 92.453+/-0.012 χ²/NDF: 655771.8/36
Right: 108.701+/-0.021 χ²/NDF: 977375.0/34
In: 96.583+/-0.015 χ²/NDF:927801.5/33
Out: 96.672+/-0.015 χ²/NDF:1163761.2/37
All: 96.628+/-0.010 χ²/NDF: 2091580.9/71

asym_sam_2468_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -712.881+/-493.252 χ^2/NDF: 20.1/15

Left Out: -966.621+/-182.673 χ^2/NDF:58.3/18

Right Out: 1010.556+/-501.373 χ^2/NDF: 11.8/18

Left In: 152.804+/-180.074 χ^2/NDF:17.8/17

Left: -398.889+/-128.240 χ^2/NDF: 95.2/36

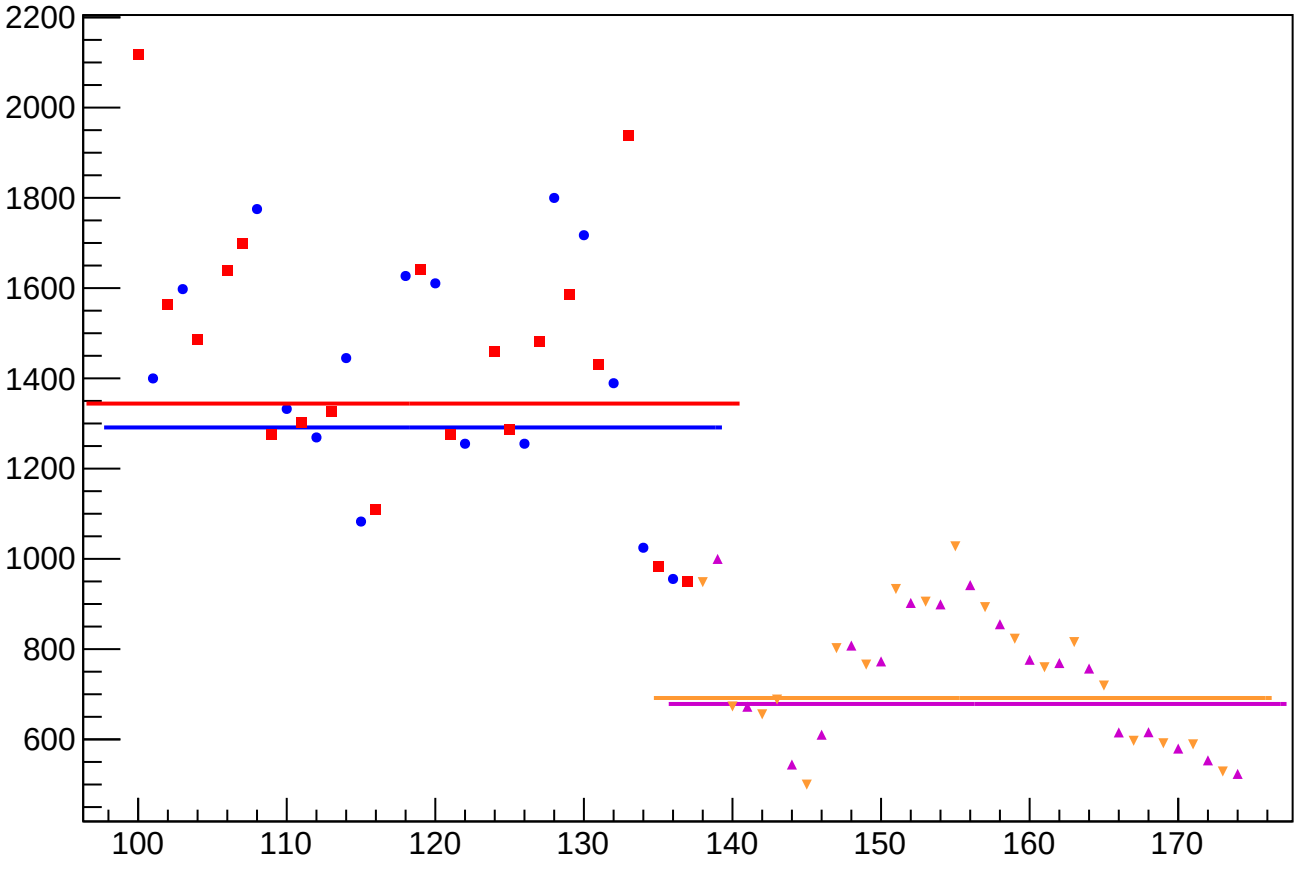
Right: 134.766+/-351.618 χ^2/NDF: 37.9/34

In: 50.994+/-169.154 χ^2/NDF:40.6/33

Out: -734.914+/-171.636 χ^2/NDF:83.8/37

All: -336.237+/-120.478 χ^2/NDF: 135.1/71

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1291.220+/-0.349 χ^2/NDF: 610894.9/15

Left Out: 691.707+/-0.129 χ^2/NDF:1244992.2/18

Right Out: 1344.115+/-0.355 χ^2/NDF: 490963.4/18

Left In: 678.490+/-0.127 χ^2/NDF:1156159.0/17

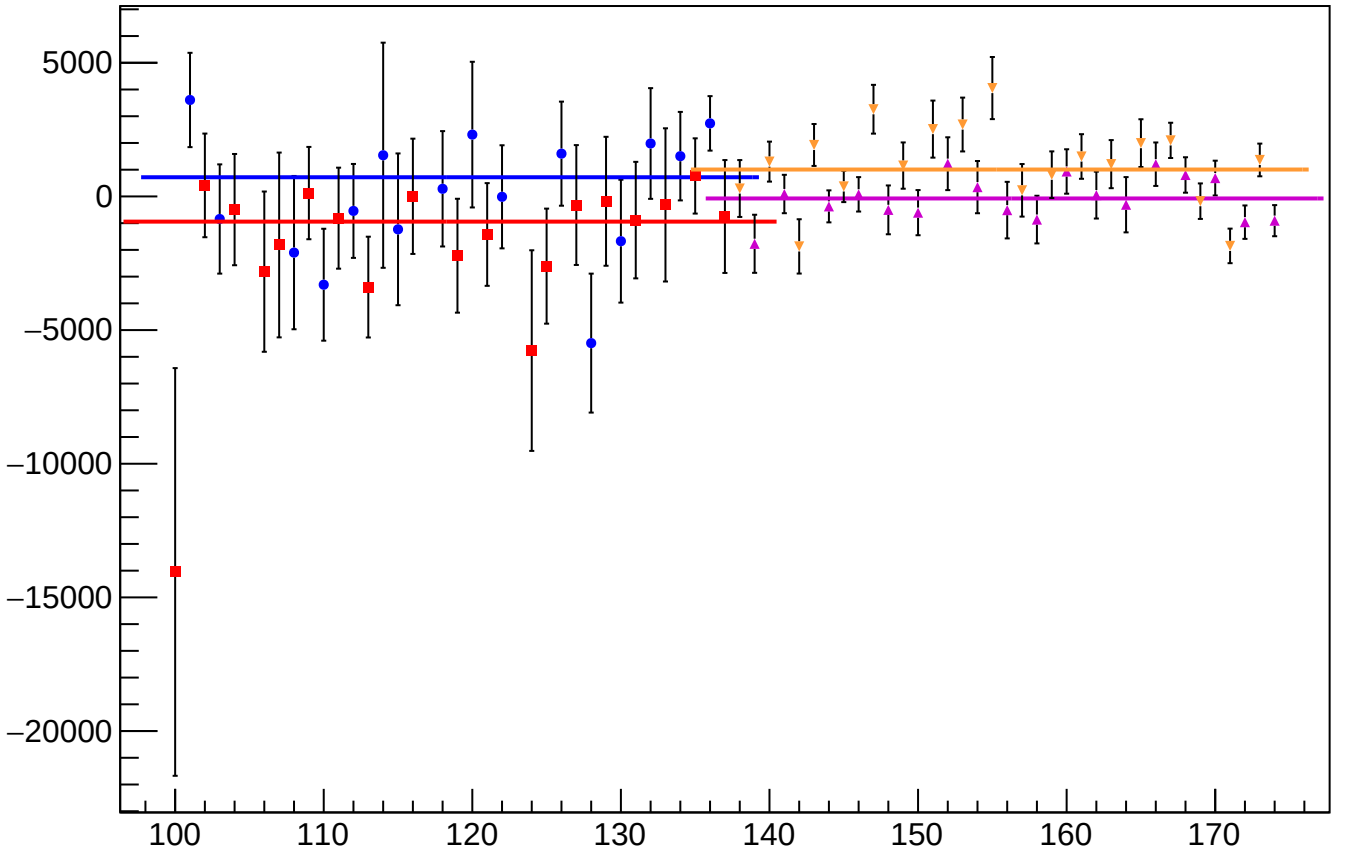
Left: 685.004+/-0.091 χ^2/NDF: 2406461.0/36

Right: 1317.235+/-0.249 χ^2/NDF: 1113170.2/34

In: 750.551+/-0.120 χ^2/NDF:4490342.4/33

Out: 768.163+/-0.121 χ^2/NDF:4725559.5/37

All: 759.229+/-0.085 χ^2/NDF: 9226585.4/71



Right In: 717.617+/-488.239 χ^2/NDF: 21.0/15

Left Out: 1006.335+/-185.007 χ^2/NDF:57.0/18

Right Out: -942.308+/-498.052 χ^2/NDF: 10.6/18

Left In: -76.196+/-182.103 χ^2/NDF:17.5/17

Left: 456.507+/-129.781 χ^2/NDF: 91.9/36

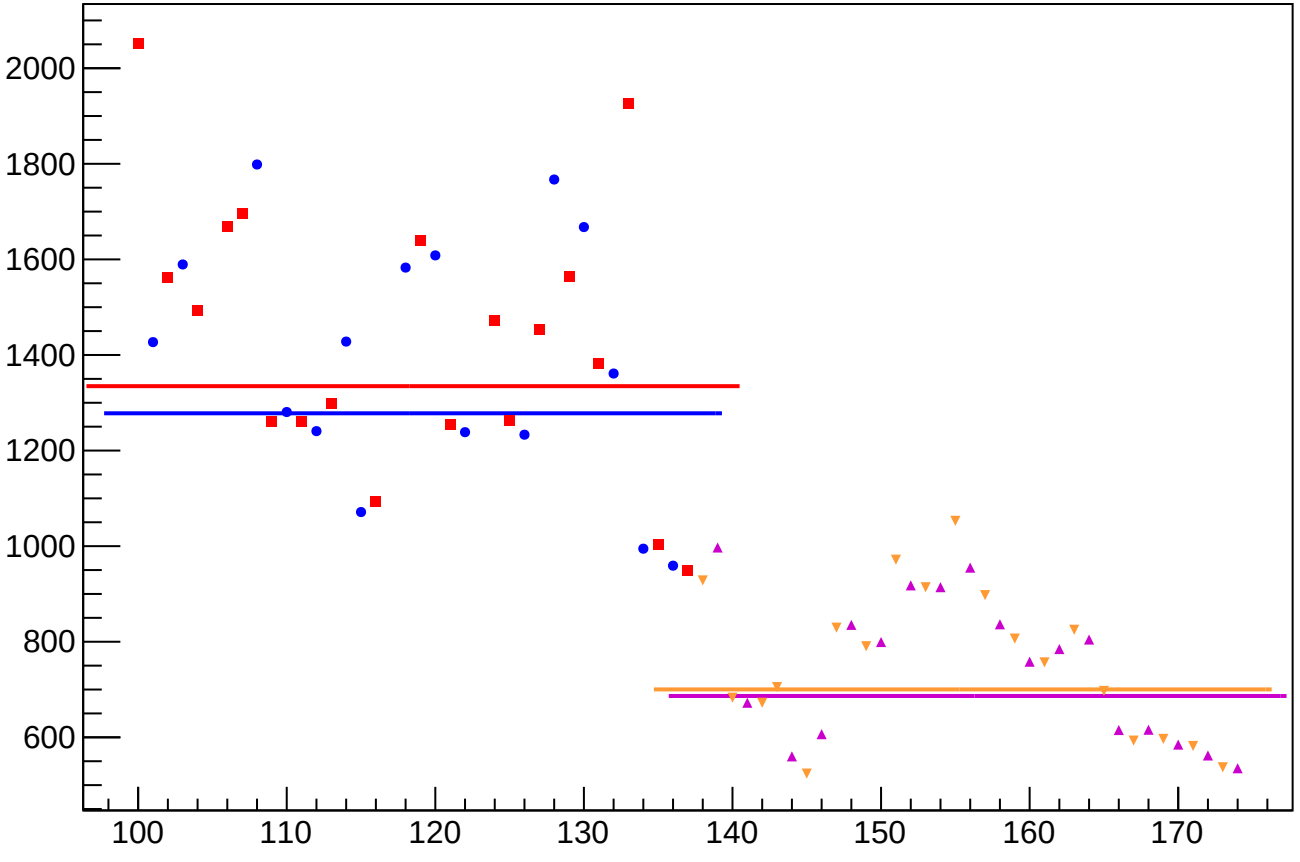
Right: -95.832+/-348.655 χ^2/NDF: 37.2/34

In: 20.748+/-170.622 χ^2/NDF:40.8/33

Out: 770.056+/-173.429 χ^2/NDF:81.1/37

All: 389.289+/-121.628 χ^2/NDF: 131.3/71

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1277.979+/-0.345 χ^2/NDF: 597666.8/15

Left Out: 700.269+/-0.131 χ^2/NDF:1208742.1/18

Right Out: 1334.775+/-0.352 χ^2/NDF: 471897.2/18

Left In: 686.512+/-0.129 χ^2/NDF:1144042.2/17

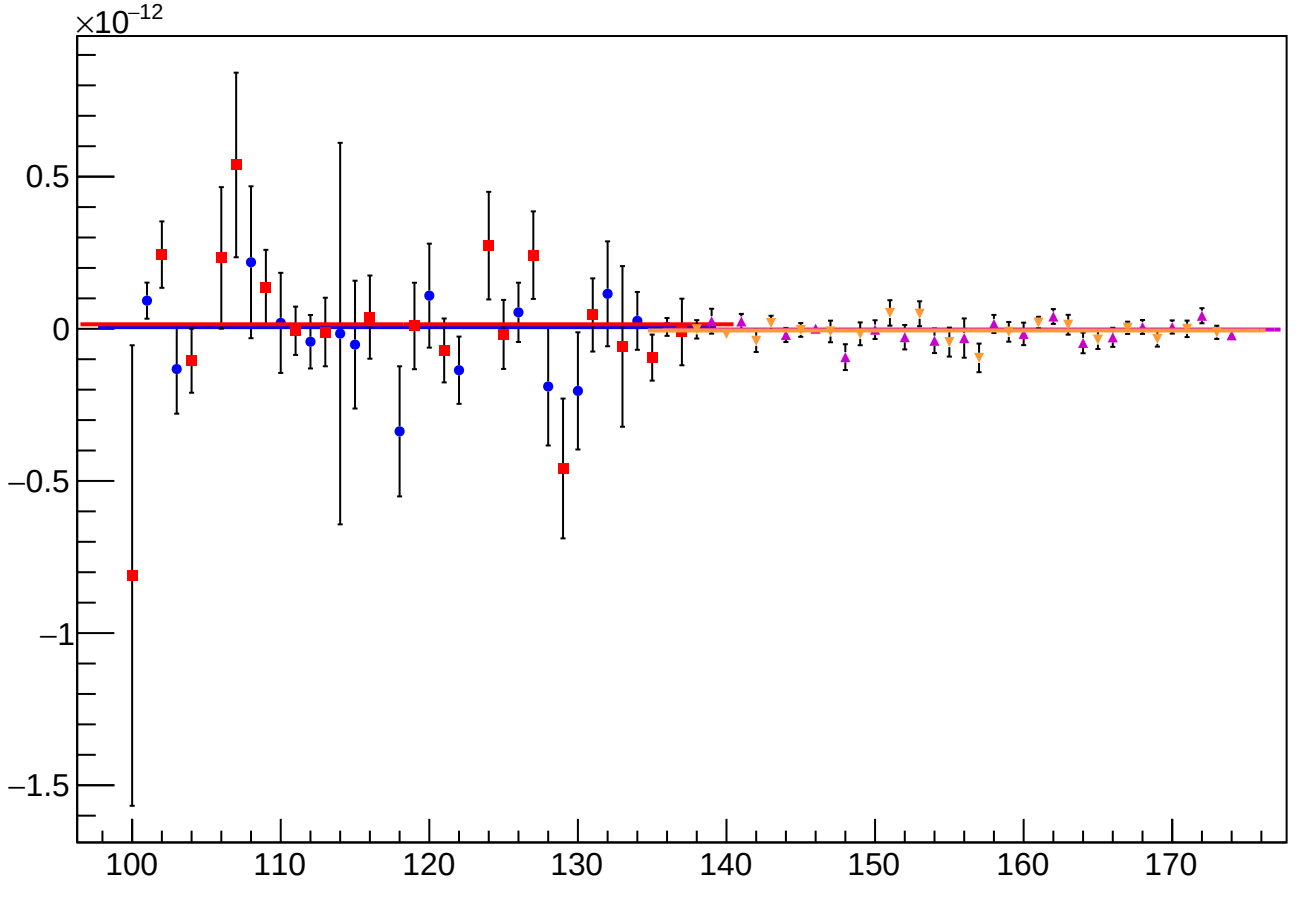
Left: 693.282+/-0.092 χ^2/NDF: 2358401.0/36

Right: 1305.812+/-0.247 χ^2/NDF: 1082827.2/34

In: 758.745+/-0.121 χ^2/NDF:4318382.3/33

Out: 777.205+/-0.123 χ^2/NDF:4533081.6/37

All: 767.824+/-0.086 χ^2/NDF: 8862978.5/71



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/15

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.8/18

Left In: -0.000+/-0.000 χ^2/NDF:19.2/17

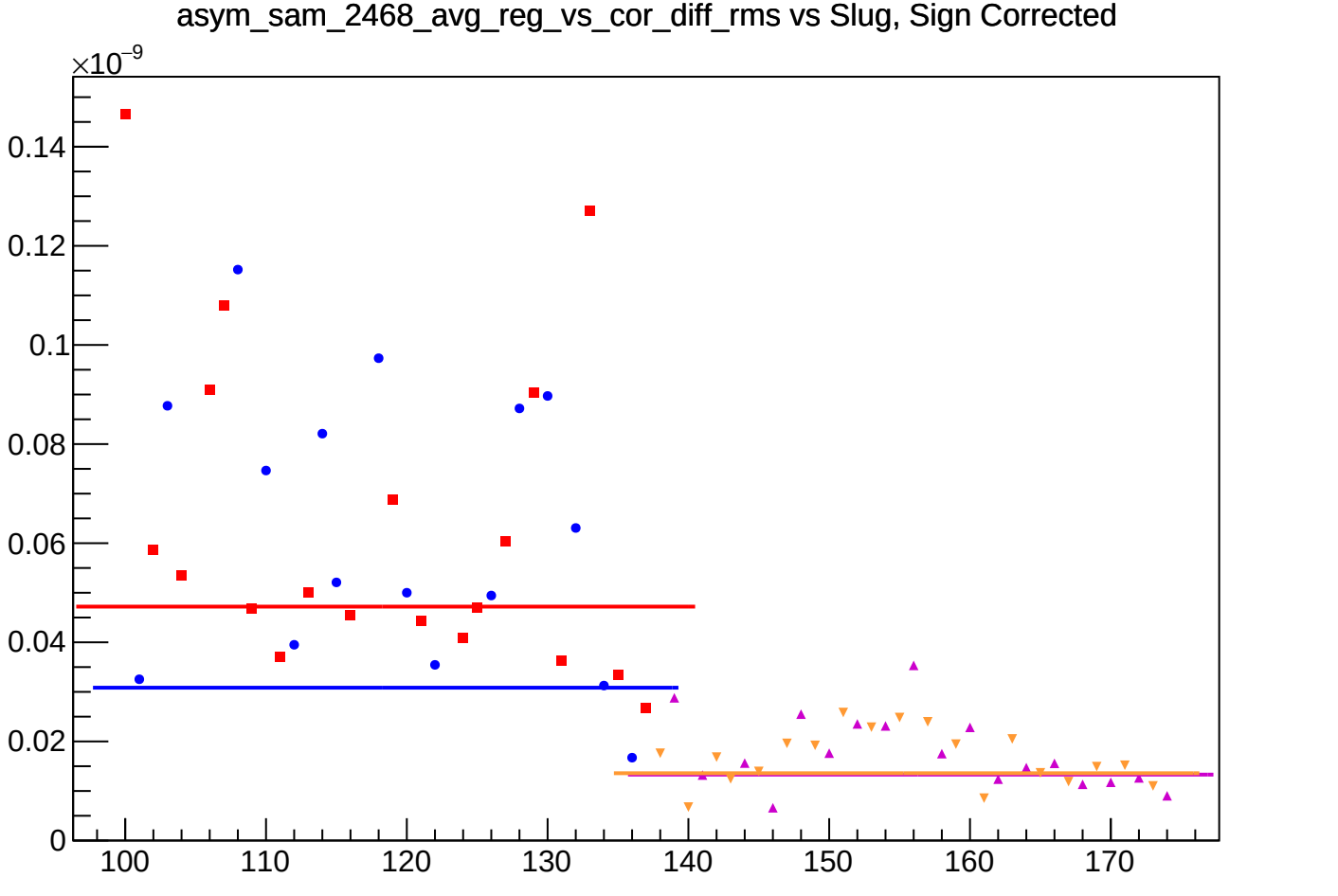
Left: -0.000+/-0.000 χ^2/NDF: 34.6/36

Right: 0.000+/-0.000 χ^2/NDF: 35.5/34

In: -0.000+/-0.000 χ^2/NDF:31.0/33

Out: -0.000+/-0.000 χ^2/NDF:39.5/37

All: -0.000+/-0.000 χ^2/NDF: 70.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 1912879.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:1394499.2/18

Right Out: 0.000+/-0.000 χ^2/NDF: 722091.3/18

Left In: 0.000+/-0.000 χ^2/NDF:1773728.3/17

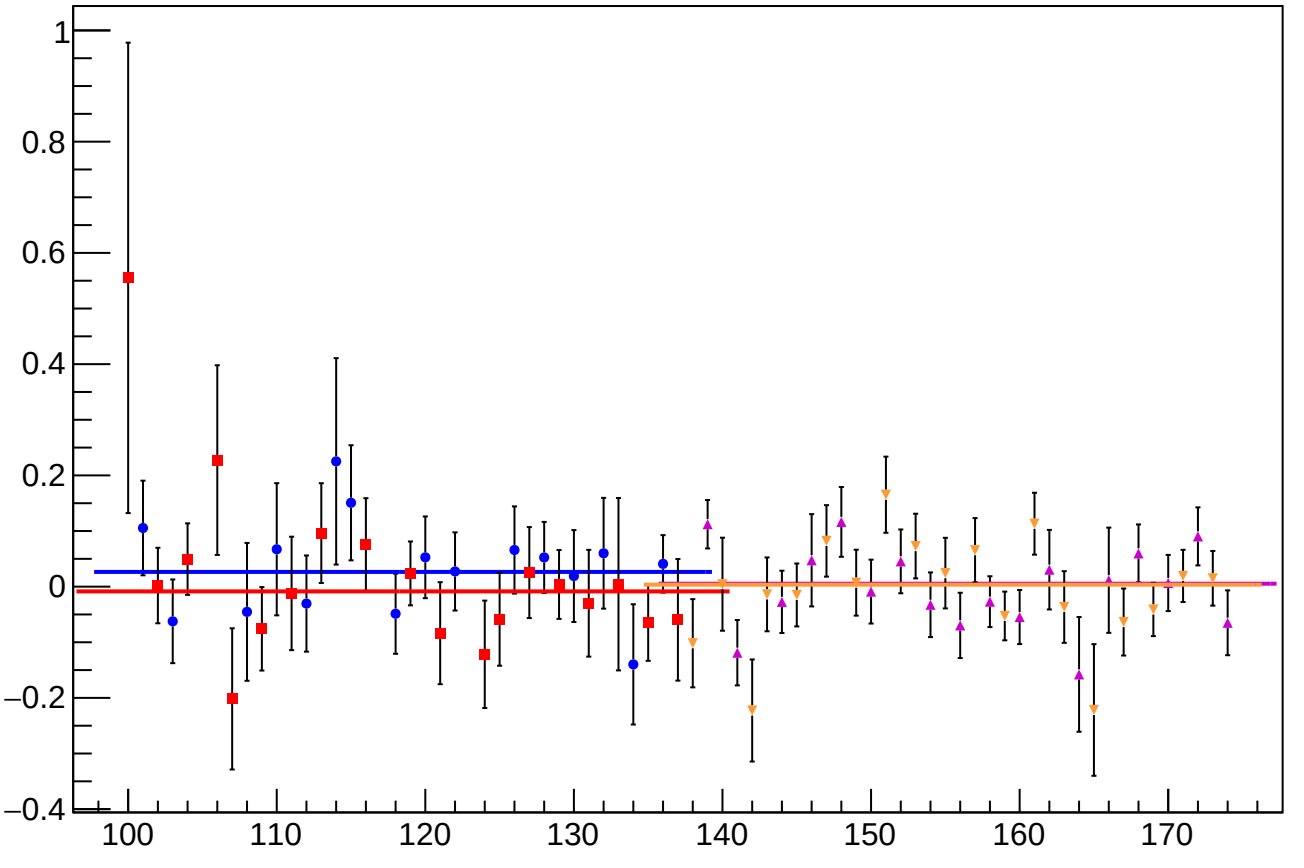
Left: 0.000+/-0.000 χ^2/NDF: 3170343.1/36

Right: 0.000+/-0.000 χ^2/NDF: 3051679.0/34

In: 0.000+/-0.000 χ^2/NDF:4910660.9/33

Out: 0.000+/-0.000 χ^2/NDF:4754392.4/37

All: 0.000+/-0.000 χ^2/NDF: 9670973.1/71



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

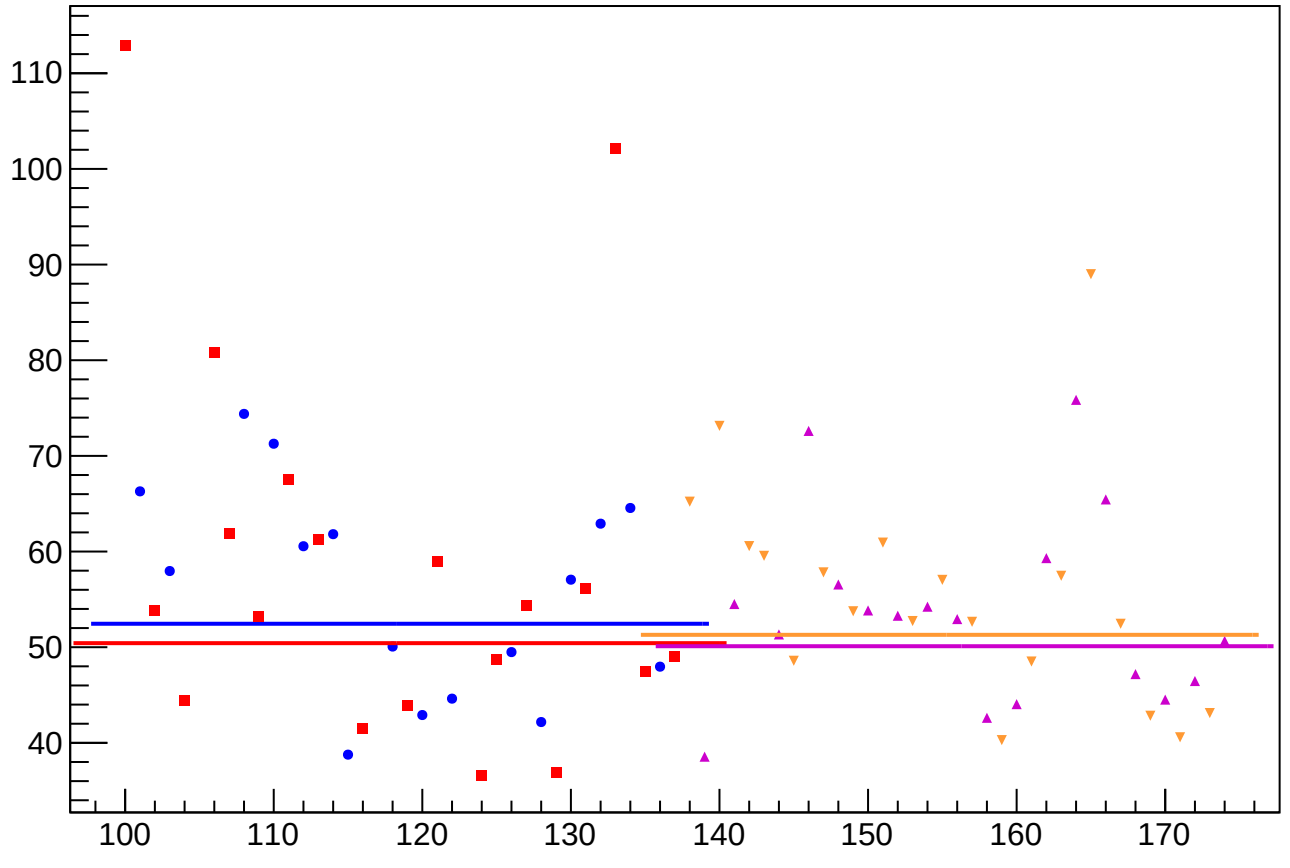
Left: 0.004+/-0.010 χ^2/NDF: 56.3/36

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.006+/-0.008 χ^2/NDF: 81.8/71



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912009.5/18

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

Left: 50.689+/-0.007 χ^2/NDF: 1606053.0/36

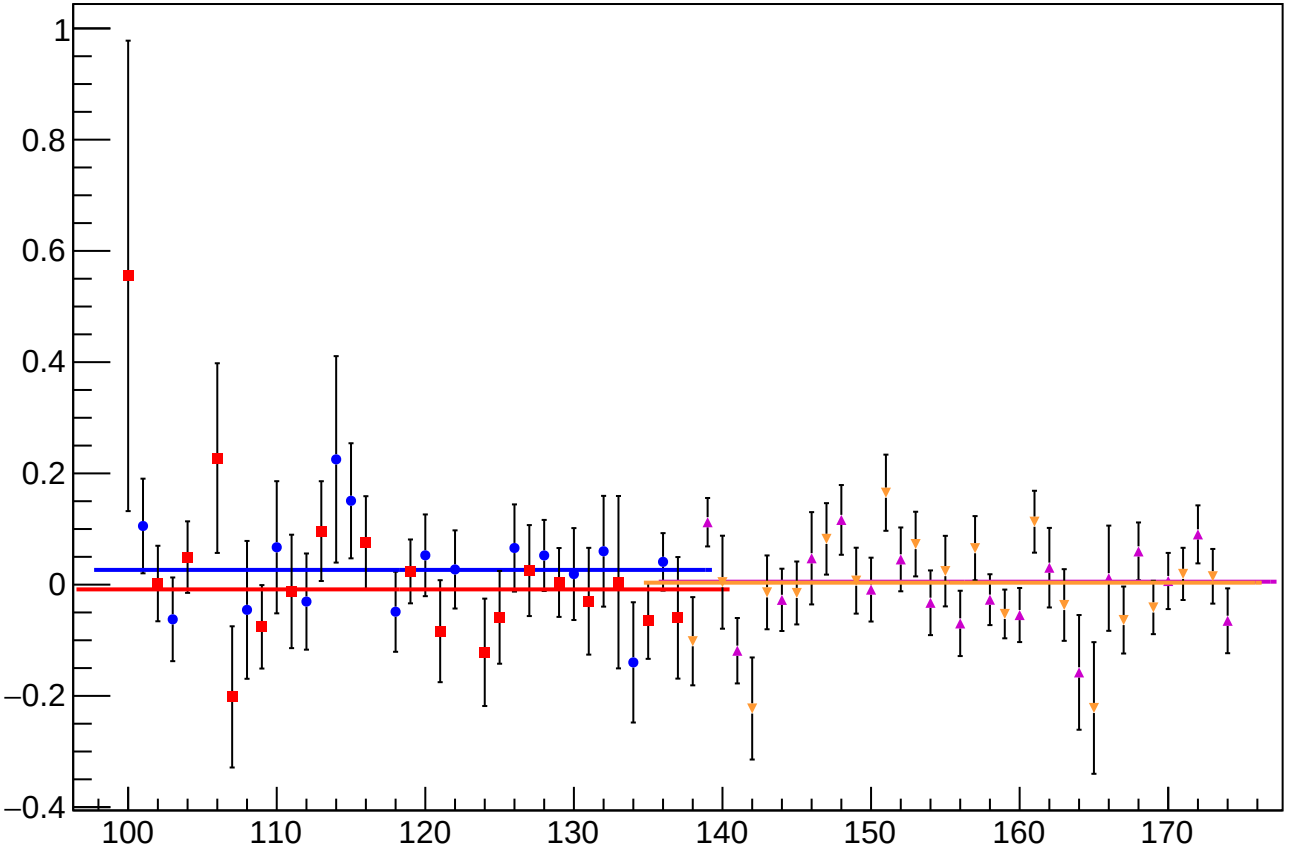
Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.821+/-0.008 χ^2/NDF:1122837.0/33

Out: 51.004+/-0.008 χ^2/NDF:1591424.4/37

All: 50.913+/-0.006 χ^2/NDF: 2714525.1/71

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

Left: 0.004+/-0.010 χ^2/NDF: 56.3/36

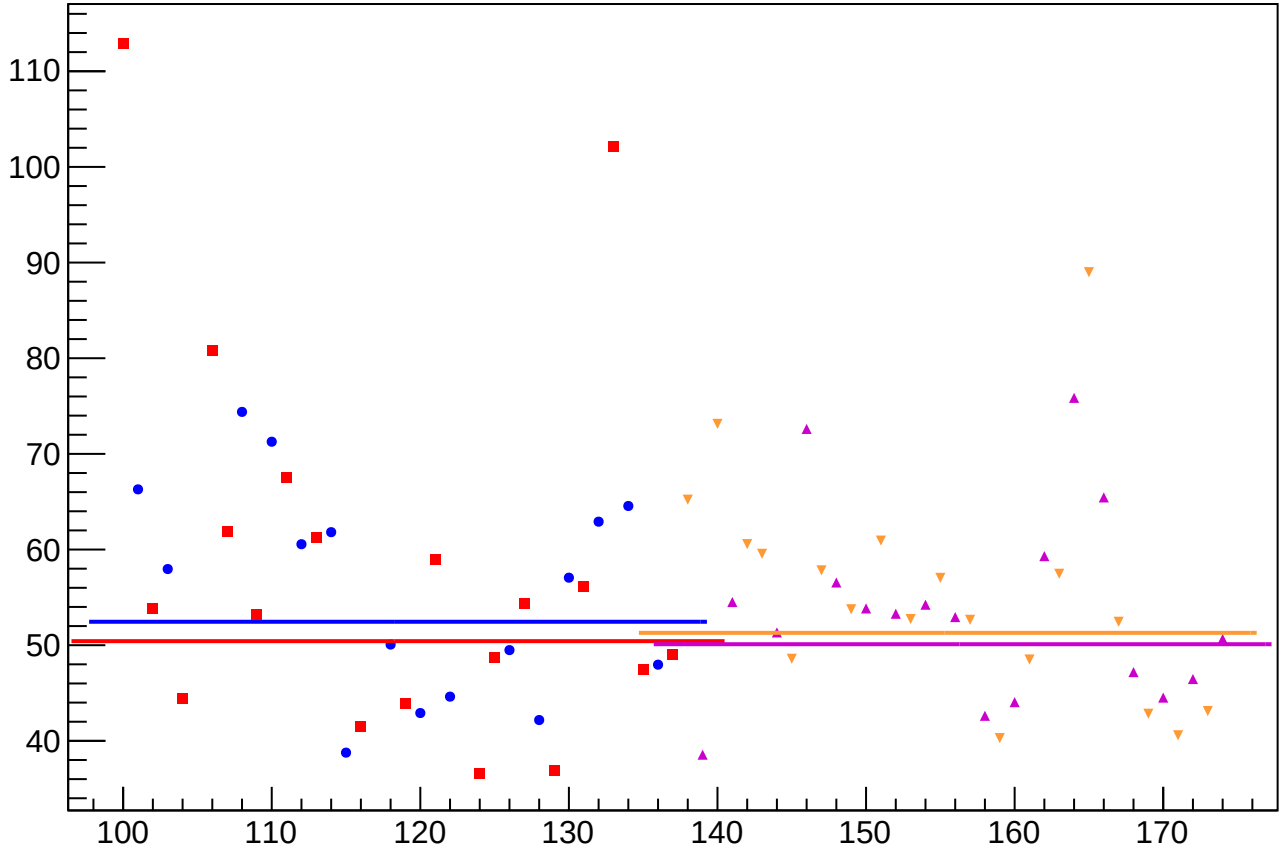
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.006+/-0.008 χ^2/NDF: 81.8/71

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.451+/-0.014 χ^2/NDF: 418014.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912009.5/18

Right Out: 50.423+/-0.014 χ^2/NDF: 676747.2/18

Left In: 50.103+/-0.010 χ^2/NDF:686433.4/17

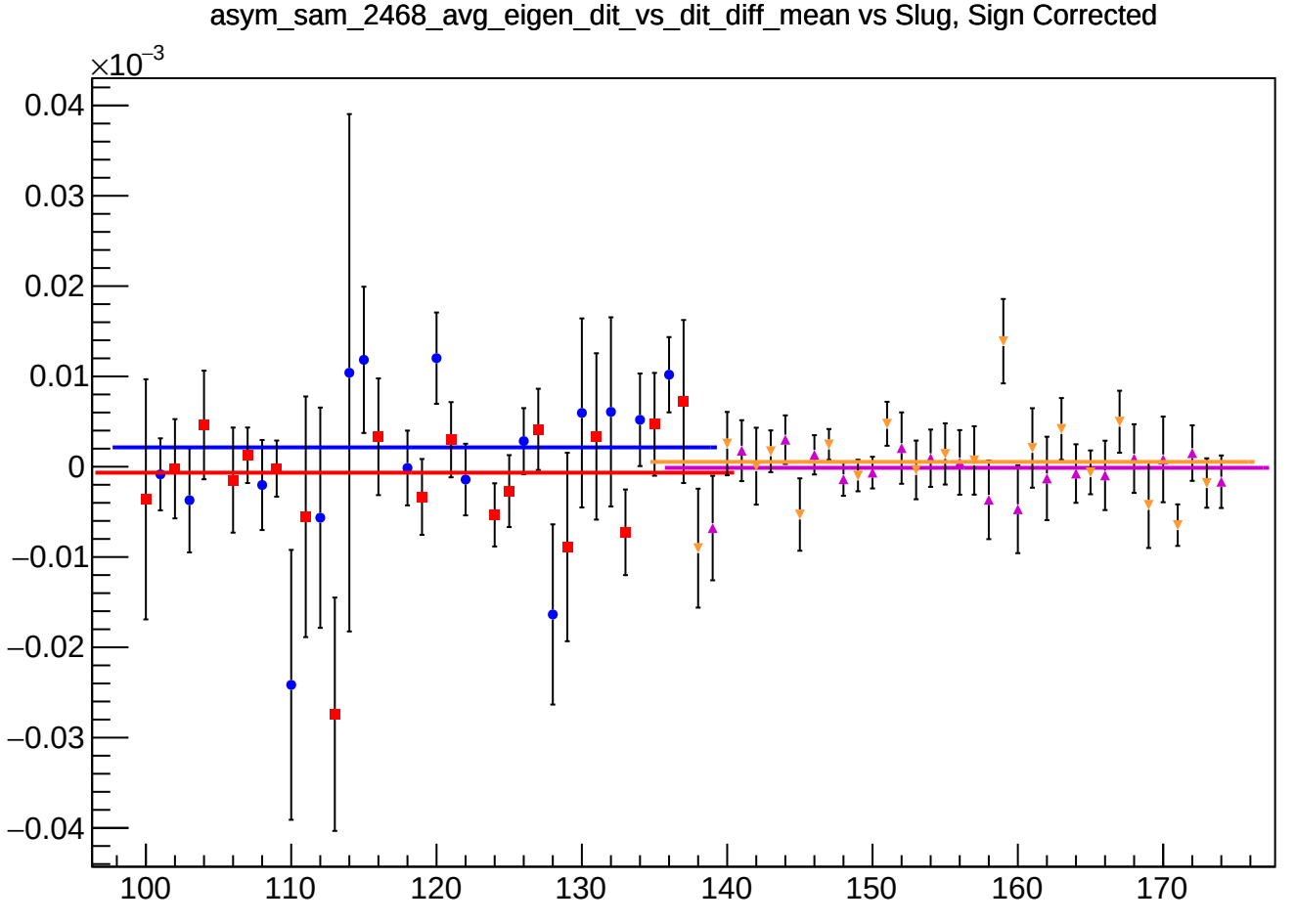
Left: 50.689+/-0.007 χ^2/NDF: 1606053.0/36

Right: 51.390+/-0.010 χ^2/NDF: 1105100.5/34

In: 50.821+/-0.008 χ^2/NDF:1122837.0/33

Out: 51.004+/-0.008 χ^2/NDF:1591424.4/37

All: 50.913+/-0.006 χ^2/NDF: 2714525.1/71



Right In: 0.000+/-0.000 χ^2/NDF: 20.1/15

Left Out: 0.000+/-0.000 χ^2/NDF:32.3/18

Right Out: -0.000+/-0.000 χ^2/NDF: 14.8/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/17

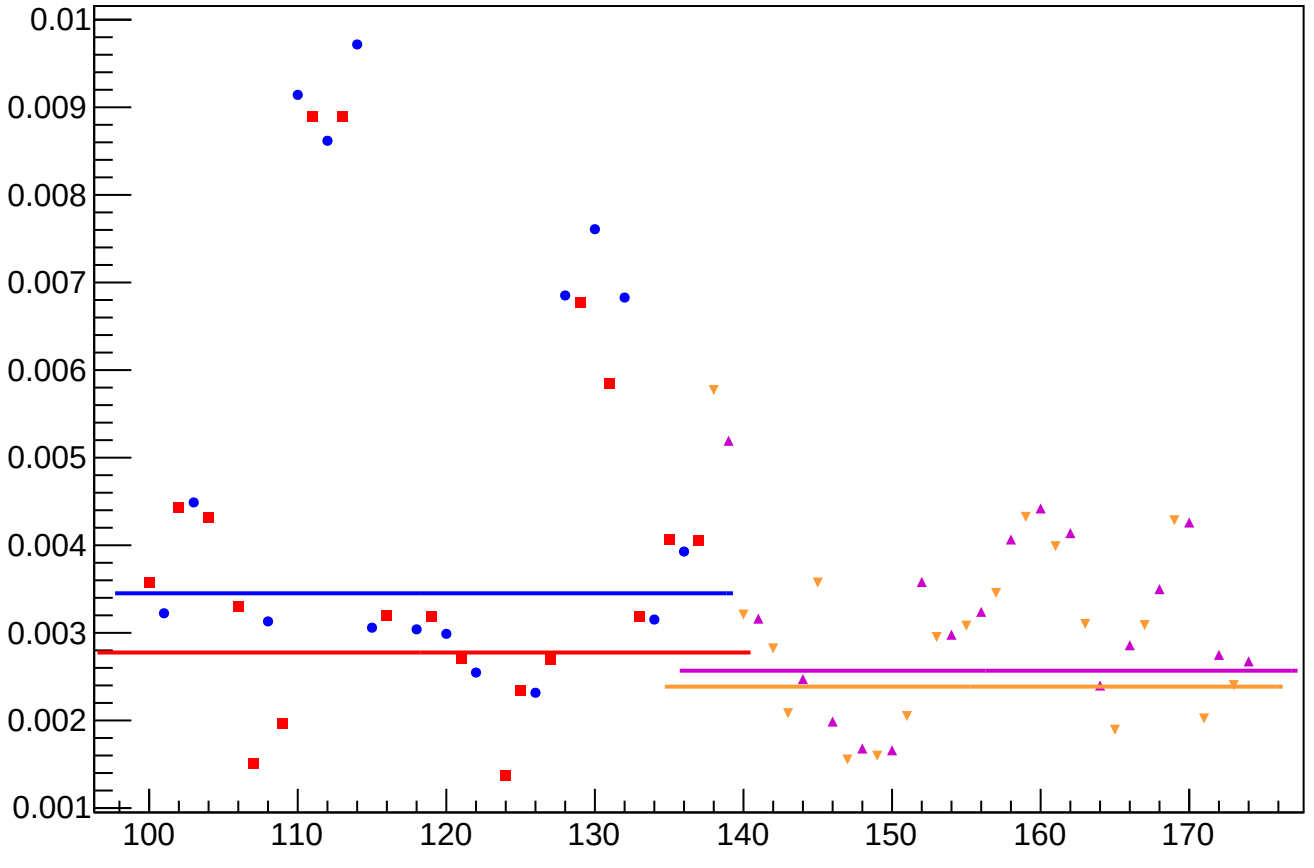
Left: 0.000+/-0.000 χ^2/NDF: 39.6/36

Right: 0.000+/-0.000 χ^2/NDF: 37.3/34

In: 0.000+/-0.000 χ^2/NDF:29.0/33

Out: 0.000+/-0.000 χ^2/NDF:48.0/37

All: 0.000+/-0.000 χ^2/NDF: 77.0/71



Right In: 0.003+/-0.000 χ^2/NDF: 1951102.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:3324185.1/18

Right Out: 0.003+/-0.000 χ^2/NDF: 2734939.6/18

Left In: 0.003+/-0.000 χ^2/NDF:3018362.0/17

Left: 0.002+/-0.000 χ^2/NDF: 6412749.9/36

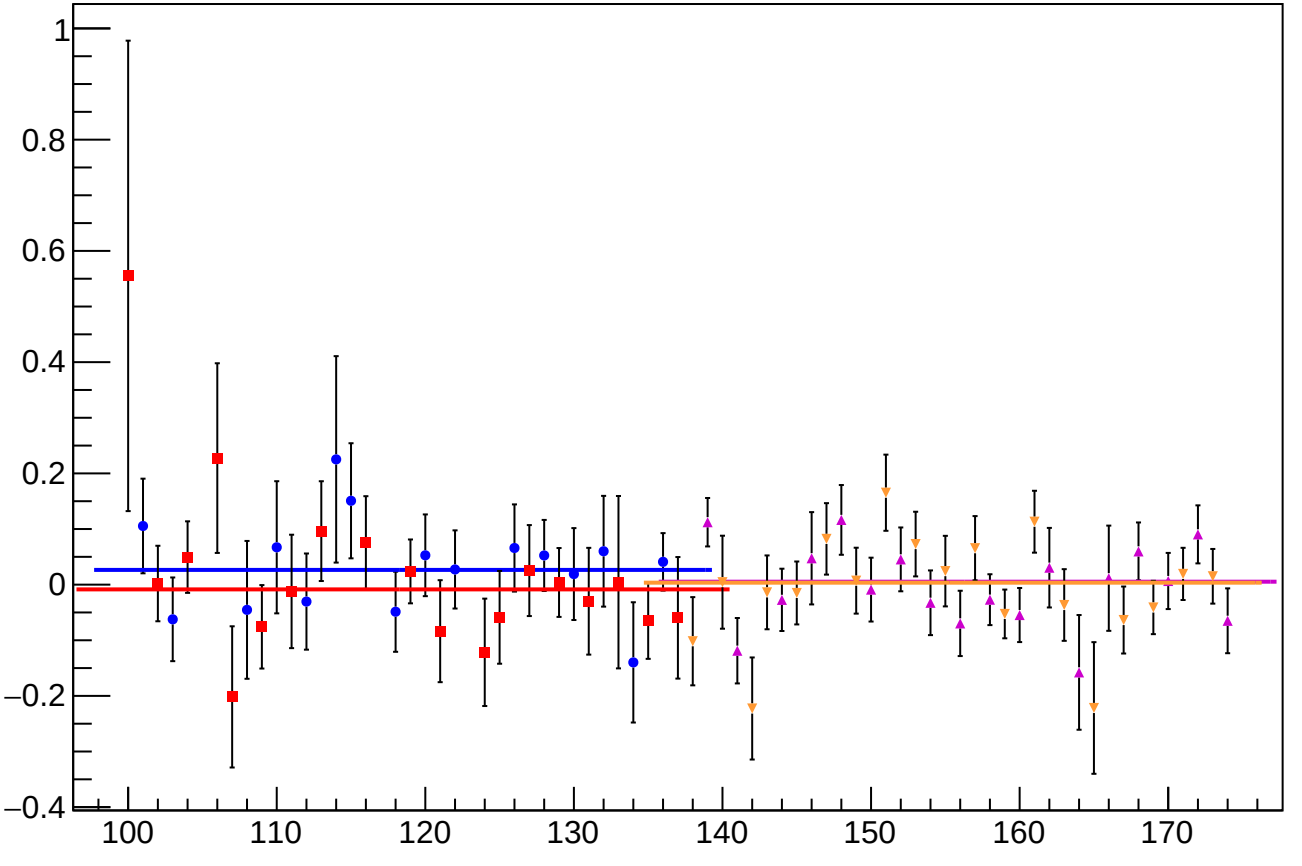
Right: 0.003+/-0.000 χ^2/NDF: 4968092.4/34

In: 0.003+/-0.000 χ^2/NDF:5612923.4/33

Out: 0.002+/-0.000 χ^2/NDF:6232260.0/37

All: 0.003+/-0.000 χ^2/NDF: 12045244.0/71

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

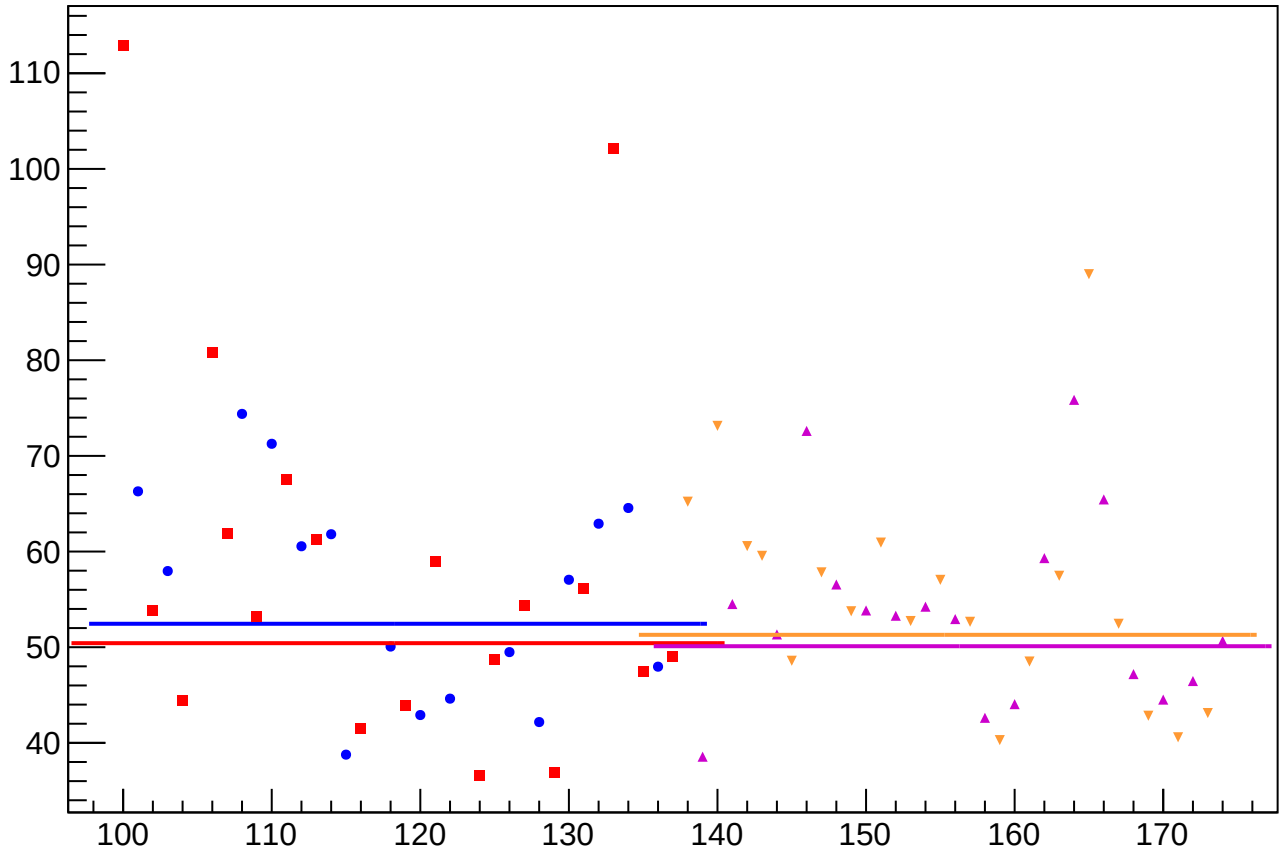
Left: 0.004+/-0.010 χ^2/NDF: 56.3/36

Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.006+/-0.008 χ^2/NDF: 81.8/71



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912025.7/18

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

Left: 50.689+/-0.007 χ^2/NDF: 1606146.6/36

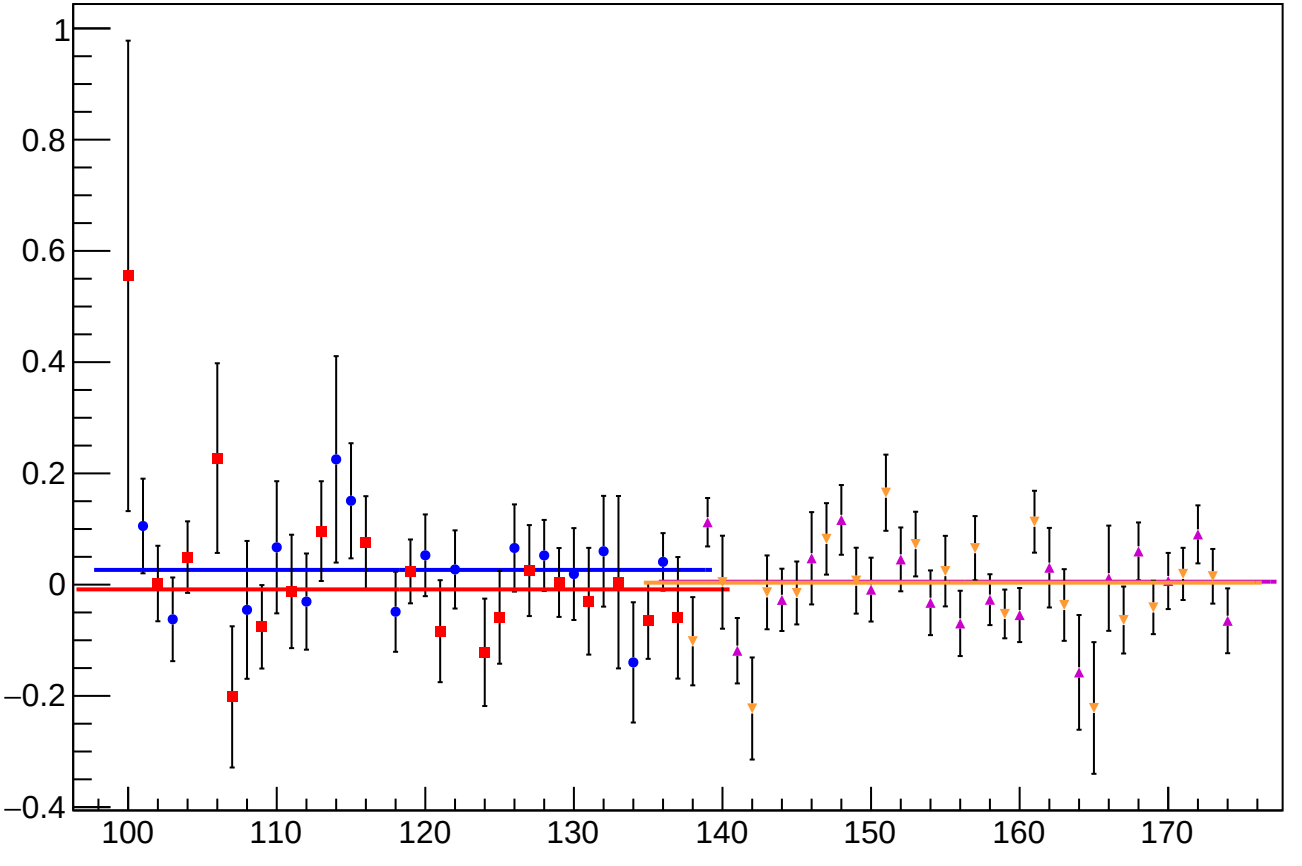
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.821+/-0.008 χ^2/NDF:1122845.0/33

Out: 51.004+/-0.008 χ^2/NDF:1591455.8/37

All: 50.913+/-0.006 χ^2/NDF: 2714564.5/71

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.020 χ^2/NDF: 9.9/15

Left Out: 0.004+/-0.014 χ^2/NDF:29.6/18

Right Out: -0.009+/-0.019 χ^2/NDF: 13.9/18

Left In: 0.005+/-0.014 χ^2/NDF:26.7/17

Left: 0.004+/-0.010 χ^2/NDF: 56.3/36

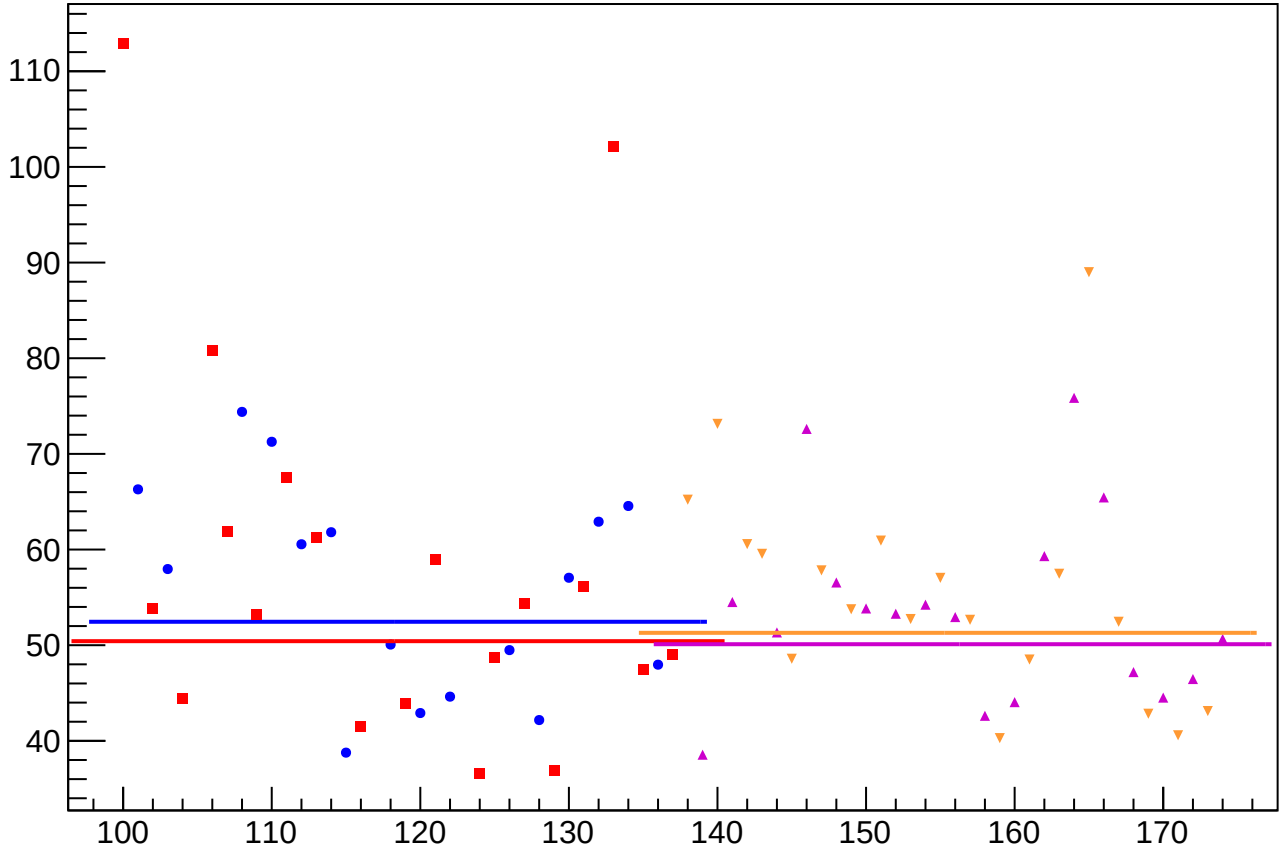
Right: 0.008+/-0.014 χ^2/NDF: 25.4/34

In: 0.012+/-0.011 χ^2/NDF:37.4/33

Out: -0.000+/-0.011 χ^2/NDF:43.8/37

All: 0.006+/-0.008 χ^2/NDF: 81.8/71

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 52.450+/-0.014 χ^2/NDF: 417967.5/15

Left Out: 51.294+/-0.010 χ^2/NDF:912025.7/18

Right Out: 50.422+/-0.014 χ^2/NDF: 676753.5/18

Left In: 50.103+/-0.010 χ^2/NDF:686510.1/17

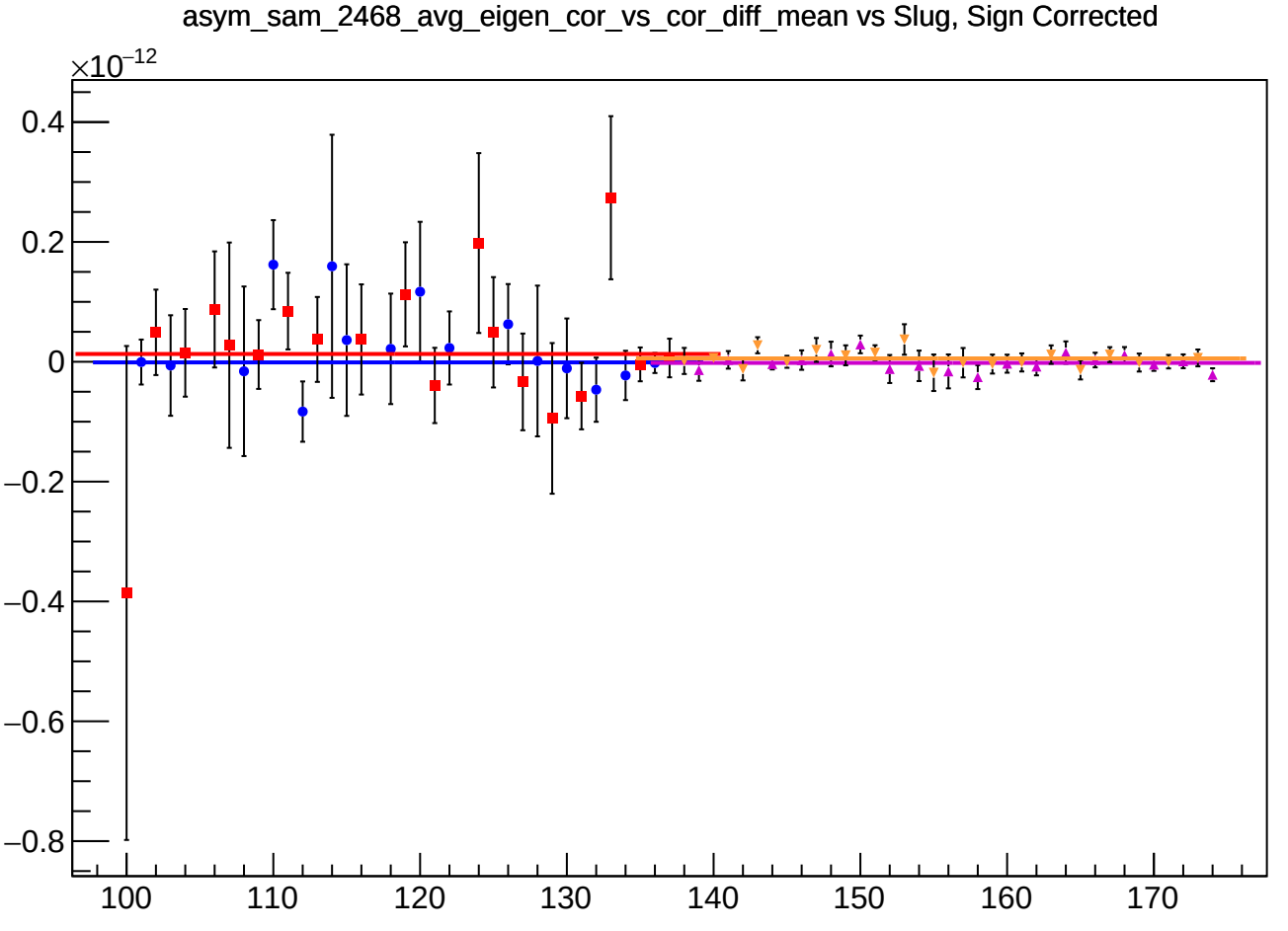
Left: 50.689+/-0.007 χ^2/NDF: 1606146.6/36

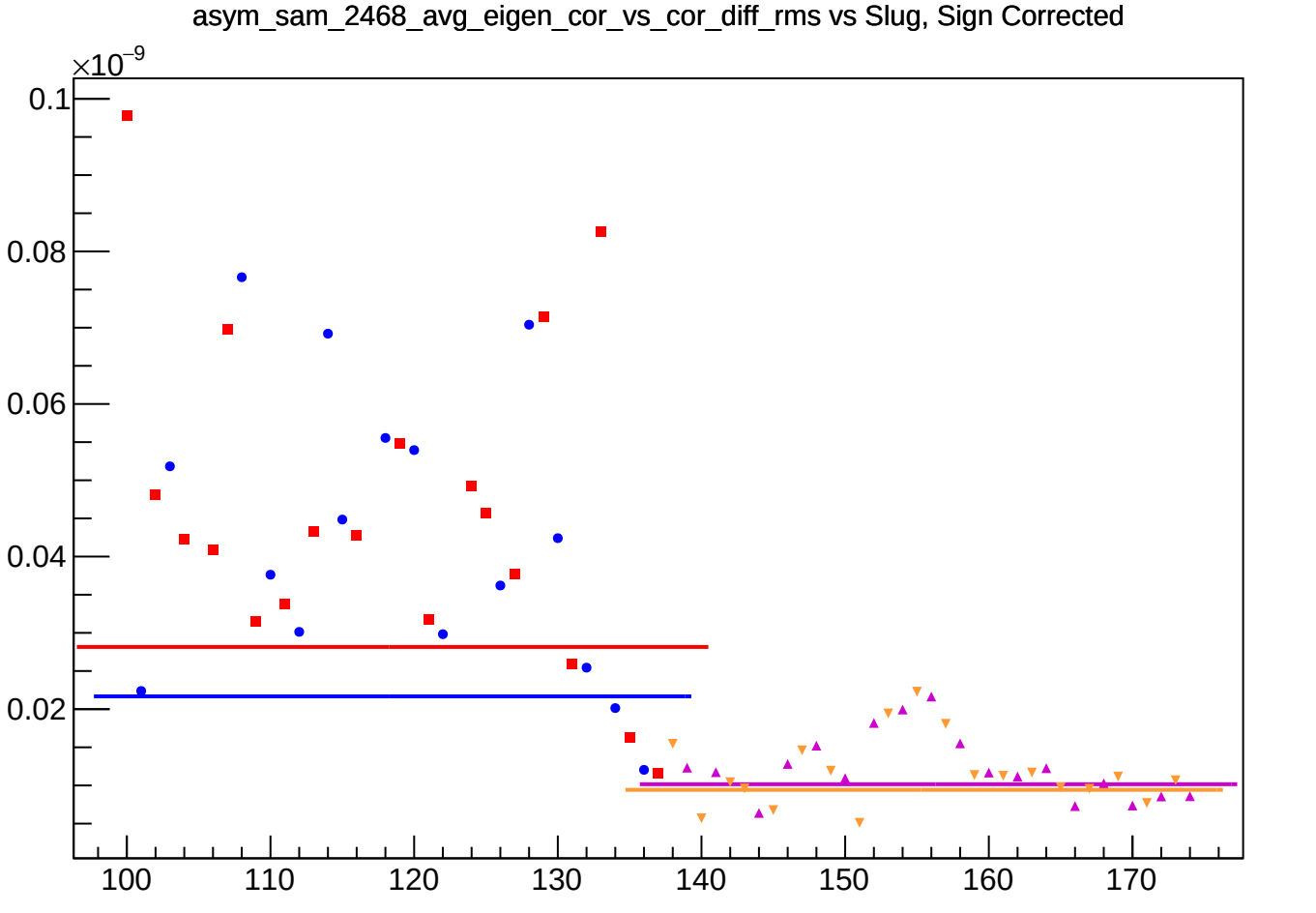
Right: 51.389+/-0.010 χ^2/NDF: 1105059.9/34

In: 50.821+/-0.008 χ^2/NDF:1122845.0/33

Out: 51.004+/-0.008 χ^2/NDF:1591455.8/37

All: 50.913+/-0.006 χ^2/NDF: 2714564.5/71


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:10.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 13.7/18
Left In: -0.000+/-0.000 χ²/NDF:13.0/17
Left: 0.000+/-0.000 χ²/NDF: 25.8/36
Right: 0.000+/-0.000 χ²/NDF: 25.5/34
In: -0.000+/-0.000 χ²/NDF:24.3/33
Out: 0.000+/-0.000 χ²/NDF:24.1/37
All: 0.000+/-0.000 χ²/NDF: 51.4/71



Right In: 0.000+/-0.000 χ^2/NDF: 2522749.6/15

Left Out: 0.000+/-0.000 χ^2/NDF:2249755.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 2381736.6/18

Left In: 0.000+/-0.000 χ^2/NDF:1970589.6/17

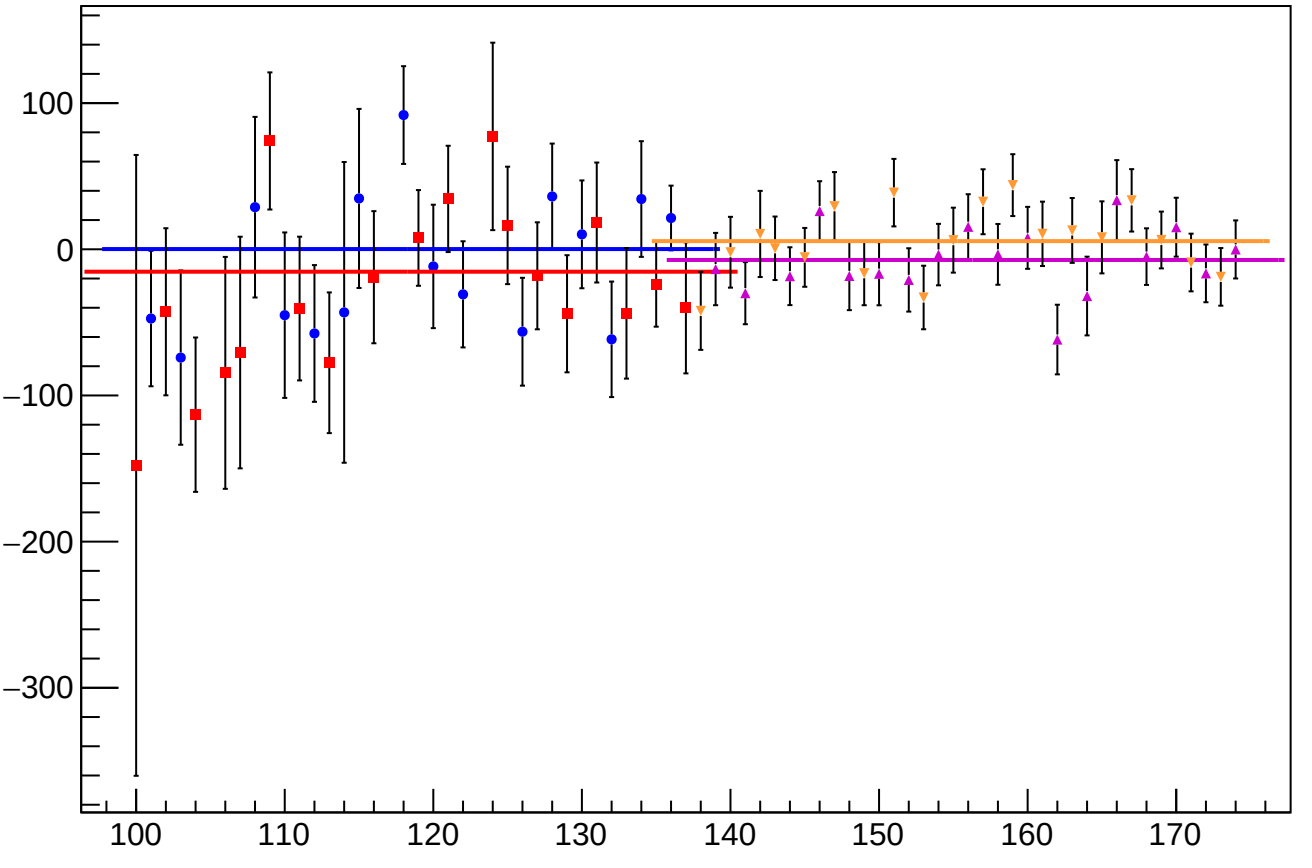
Left: 0.000+/-0.000 χ^2/NDF: 4268841.0/36

Right: 0.000+/-0.000 χ^2/NDF: 5141383.5/34

In: 0.000+/-0.000 χ^2/NDF:6205187.5/33

Out: 0.000+/-0.000 χ^2/NDF:7804528.7/37

All: 0.000+/-0.000 χ^2/NDF: 14052989.2/71



Right In: 0.155+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.591+/-5.079 χ^2/NDF:19.7/18

Right Out: -15.333+/-10.267 χ^2/NDF: 17.9/18

Left In: -7.309+/-5.102 χ^2/NDF:16.5/17

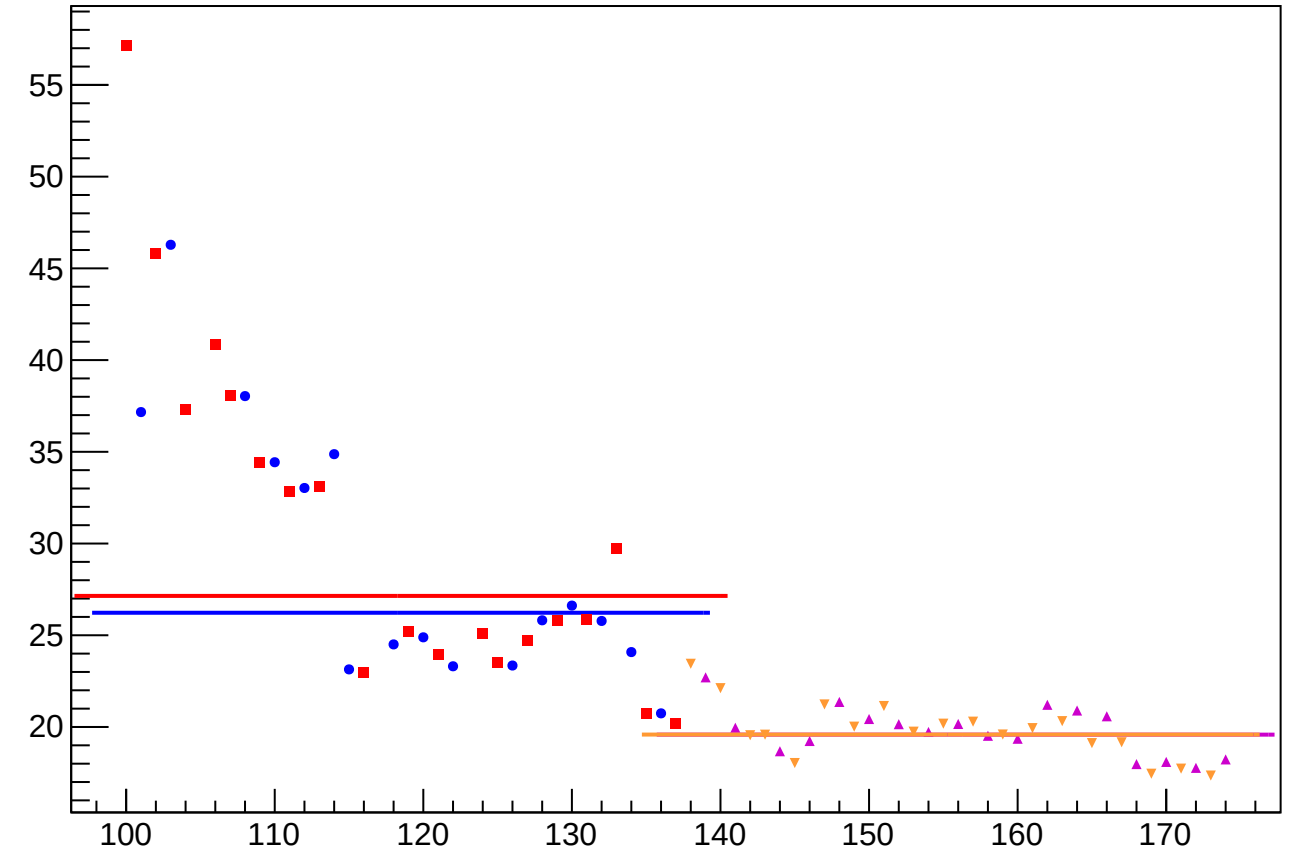
Left: -0.831+/-3.599 χ^2/NDF: 39.4/36

Right: -7.422+/-7.181 χ^2/NDF: 40.4/34

In: -5.780+/-4.549 χ^2/NDF:38.3/33

Out: 1.477+/-4.552 χ^2/NDF:40.9/37

All: -2.154+/-3.218 χ^2/NDF: 80.5/71



Right In: 26.227+/-0.007 χ^2/NDF: 676026.2/15

Left Out: 19.587+/-0.004 χ^2/NDF:170519.9/18

Right Out: 27.145+/-0.007 χ^2/NDF: 755419.8/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

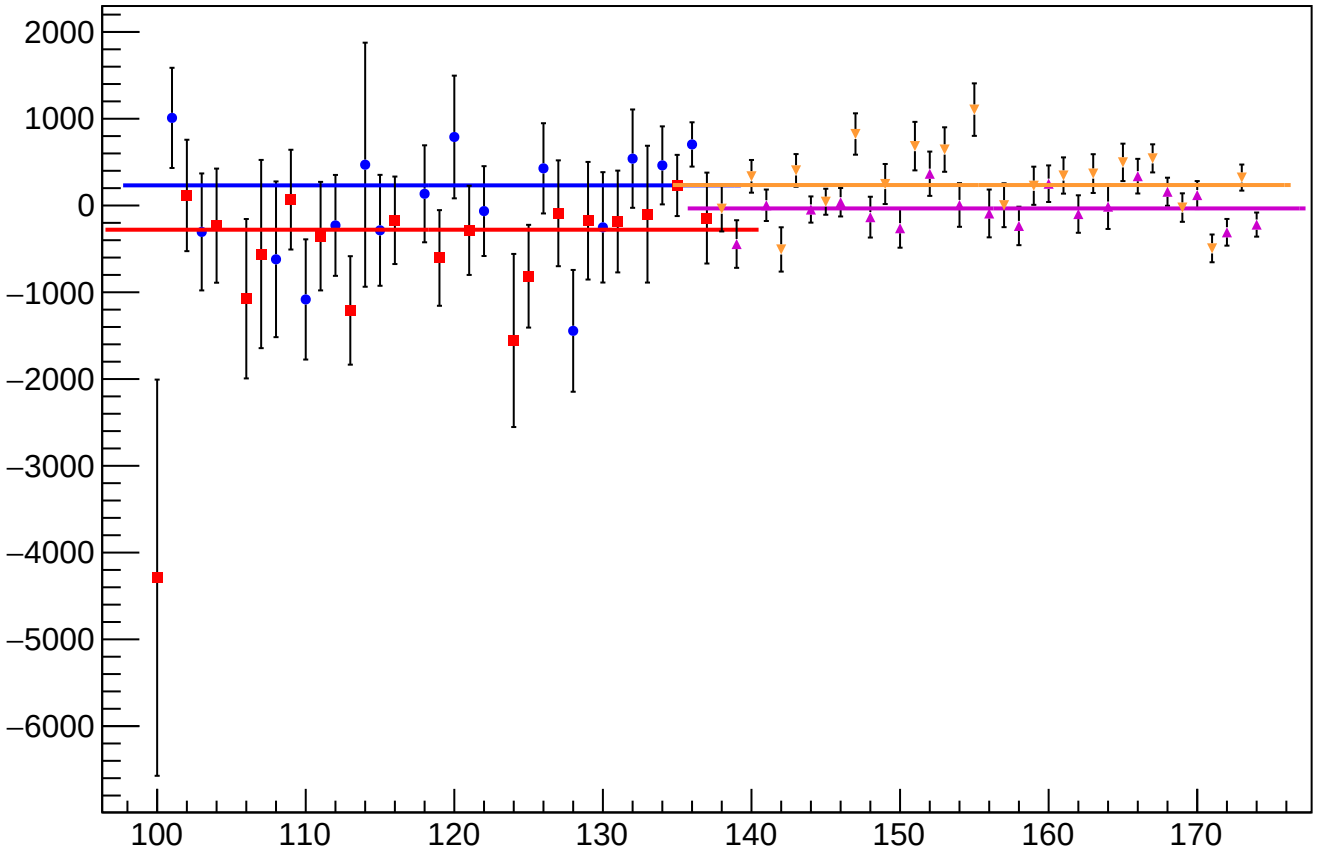
Left: 19.585+/-0.003 χ^2/NDF: 293020.8/36

Right: 26.676+/-0.005 χ^2/NDF: 1439621.2/34

In: 20.944+/-0.003 χ^2/NDF:1493885.7/33

Out: 21.073+/-0.003 χ^2/NDF:1796795.6/37

All: 21.009+/-0.002 χ^2/NDF: 3291479.2/71



Right In: 232.092+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.885+/-46.349 χ^2/NDF:61.9/18

Right Out: -279.042+/-139.965 χ^2/NDF: 12.1/18

Left In: -33.709+/-45.538 χ^2/NDF:19.7/17

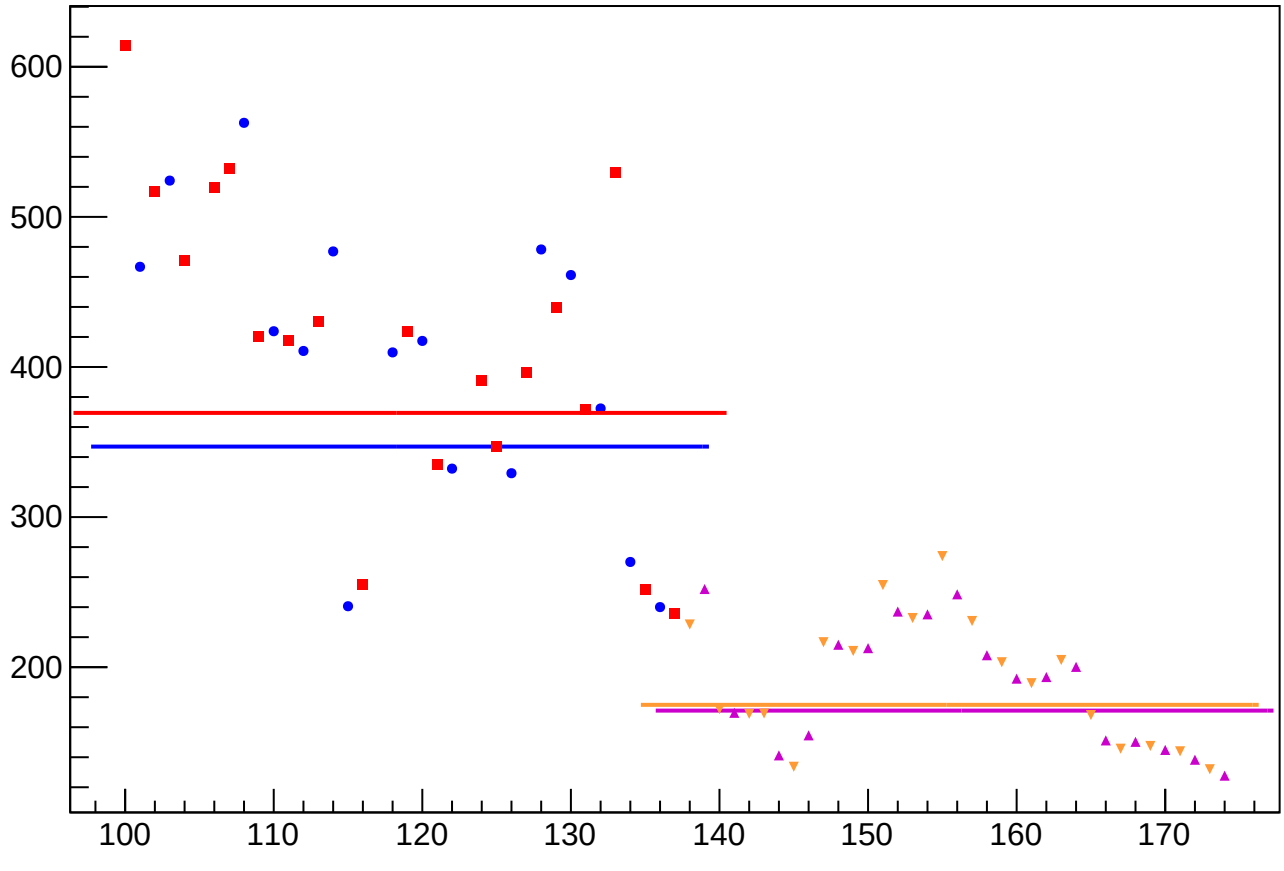
Left: 98.709+/-32.483 χ^2/NDF: 98.9/36

Right: -14.004+/-97.119 χ^2/NDF: 38.6/34

In: -6.508+/-43.145 χ^2/NDF:42.9/33

Out: 185.000+/-43.999 χ^2/NDF:86.2/37

All: 87.369+/-30.806 χ^2/NDF: 138.8/71



Right In: 346.969+/-0.095 χ^2/NDF: 1058029.4/15

Left Out: 174.907+/-0.033 χ^2/NDF:1364639.0/18

Right Out: 369.410+/-0.099 χ^2/NDF: 918852.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346717.0/17

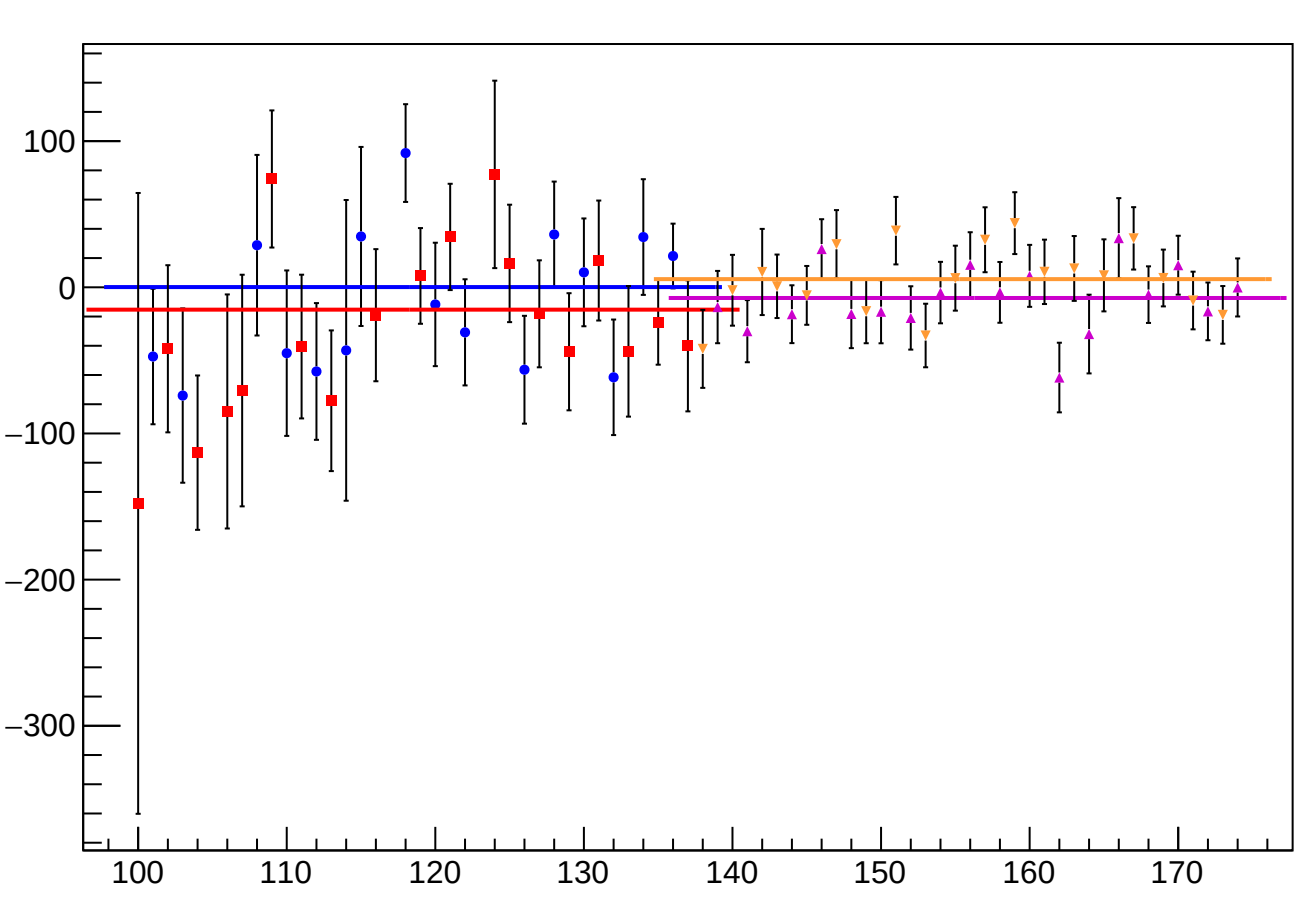
Left: 172.952+/-0.023 χ^2/NDF: 2718344.9/36

Right: 357.774+/-0.069 χ^2/NDF: 2003541.6/34

In: 189.067+/-0.031 χ^2/NDF:5458665.5/33

Out: 194.127+/-0.031 χ^2/NDF:5764123.1/37

All: 191.547+/-0.022 χ^2/NDF: 11236278.2/71



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.590+/-5.079 χ^2/NDF:19.7/18

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.310+/-5.102 χ^2/NDF:16.5/17

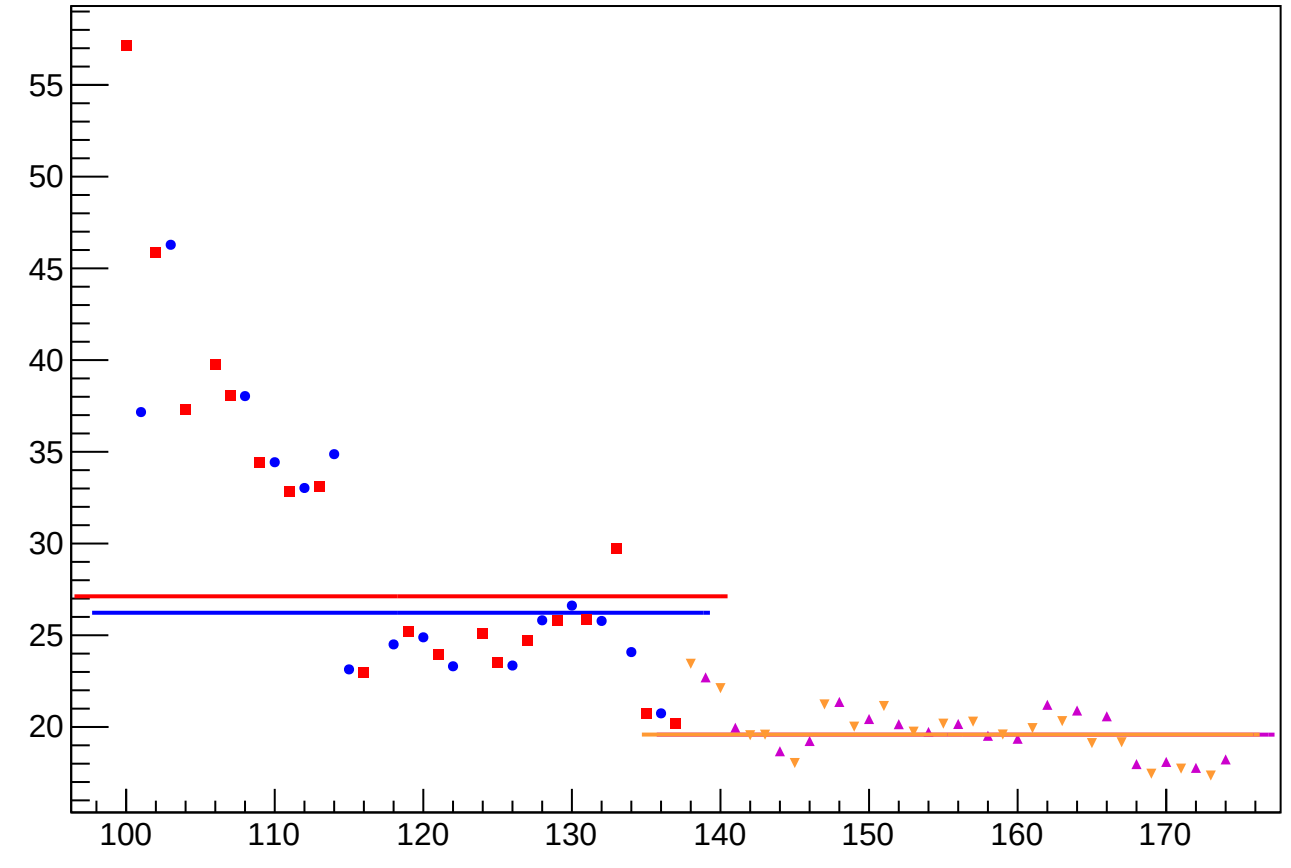
Left: -0.831+/-3.599 χ^2/NDF: 39.4/36

Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.779+/-4.549 χ^2/NDF:38.3/33

Out: 1.486+/-4.552 χ^2/NDF:40.9/37

All: -2.150+/-3.218 χ^2/NDF: 80.5/71



Right In: 26.227+/-0.007 χ^2/NDF: 676029.5/15

Left Out: 19.587+/-0.004 χ^2/NDF:170519.9/18

Right Out: 27.123+/-0.007 χ^2/NDF: 745675.5/18

Left In: 19.582+/-0.004 χ^2/NDF:122500.1/17

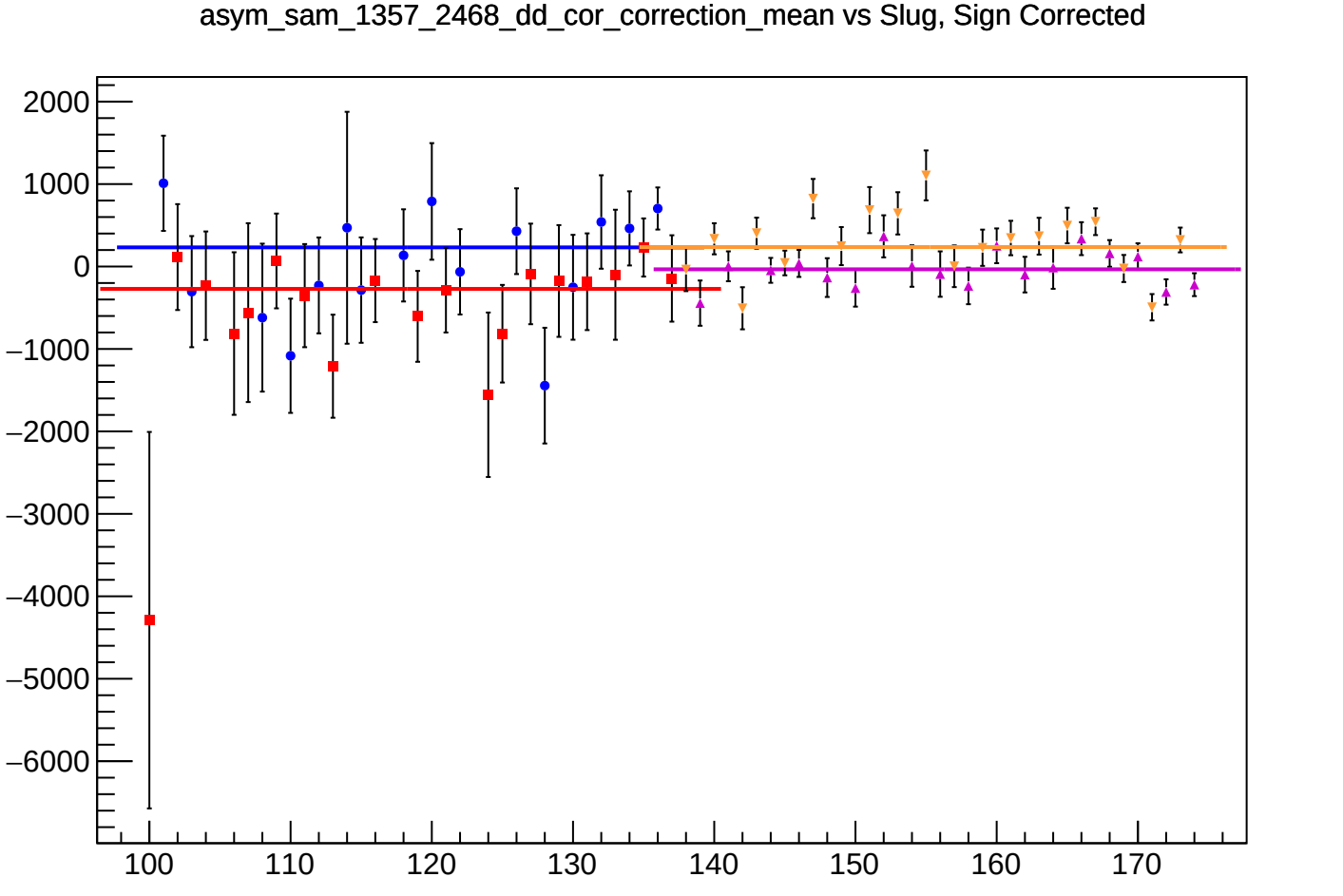
Left: 19.585+/-0.003 χ^2/NDF: 293020.8/36

Right: 26.665+/-0.005 χ^2/NDF: 1429493.5/34

In: 20.944+/-0.003 χ^2/NDF:1493889.0/33

Out: 21.068+/-0.003 χ^2/NDF:1781777.7/37

All: 21.006+/-0.002 χ^2/NDF: 3276407.3/71



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.884+/-46.349 χ^2/NDF:61.9/18

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -33.709+/-45.538 χ^2/NDF:19.7/17

Left: 98.709+/-32.483 χ^2/NDF: 98.9/36

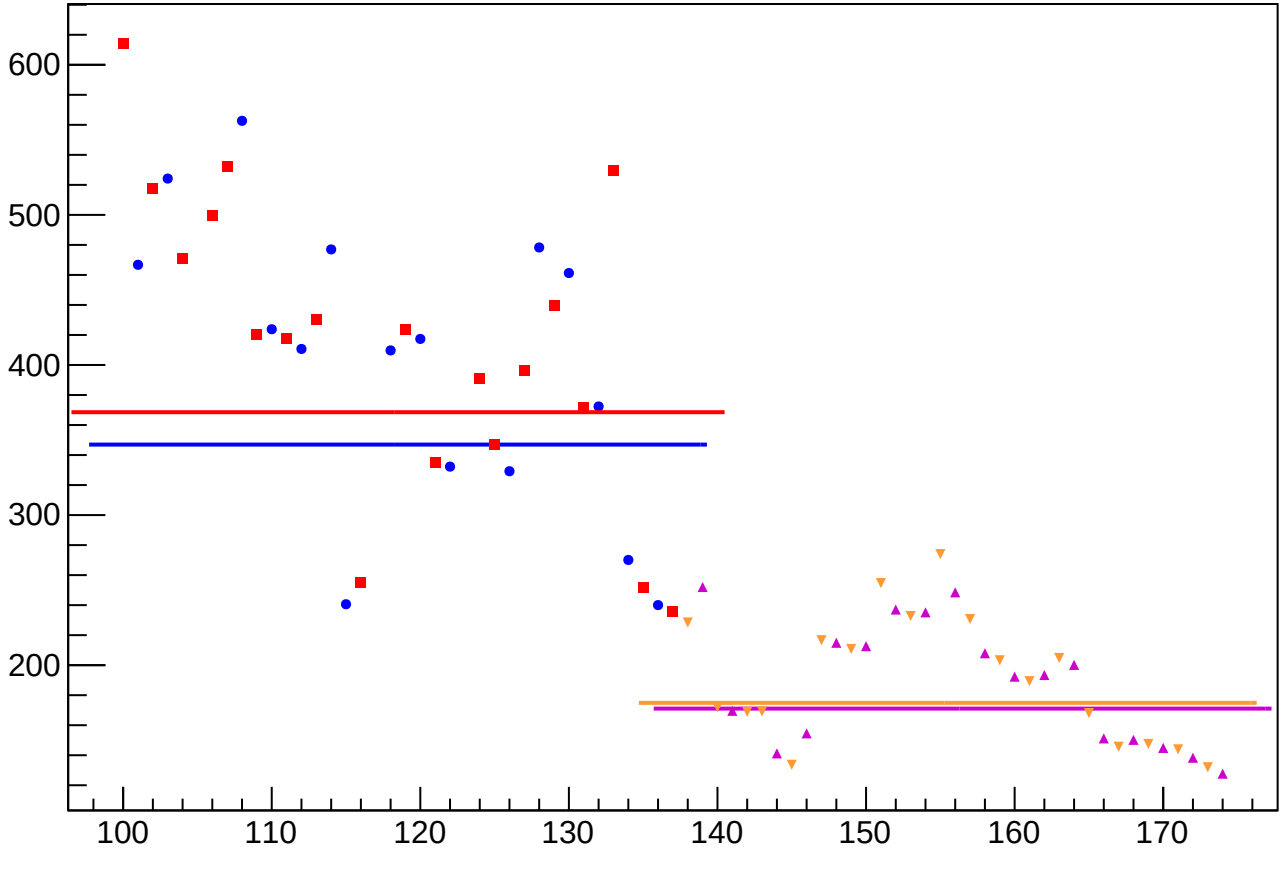
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -6.509+/-43.145 χ^2/NDF:42.9/33

Out: 185.893+/-44.006 χ^2/NDF:85.4/37

All: 87.792+/-30.808 χ^2/NDF: 138.0/71

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 174.906+/-0.033 χ^2/NDF:1364641.4/18

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

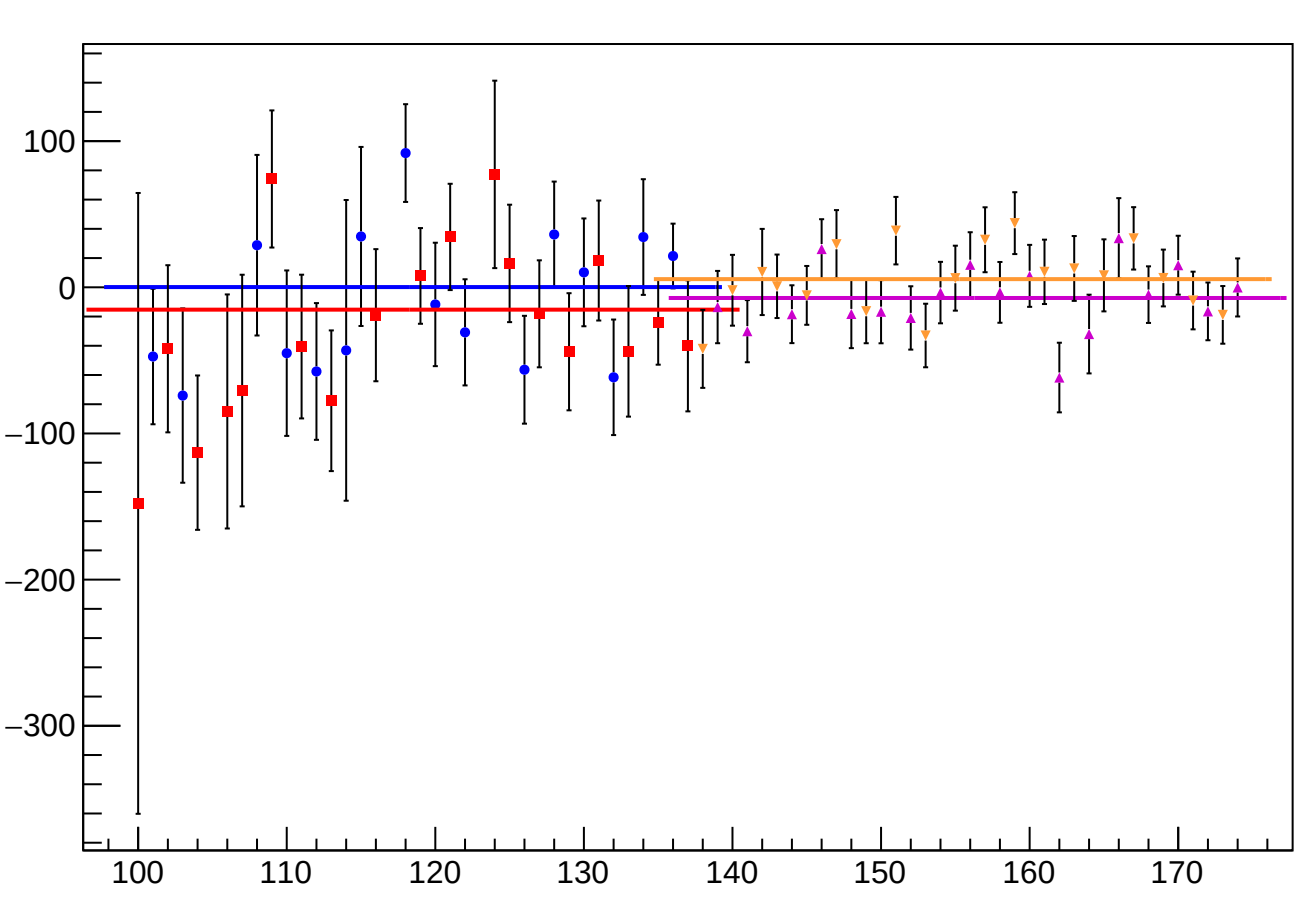
Left: 172.952+/-0.023 χ^2/NDF: 2718343.0/36

Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 189.067+/-0.031 χ^2/NDF:5458682.5/33

Out: 193.988+/-0.031 χ^2/NDF:5704890.3/37

All: 191.479+/-0.022 χ^2/NDF: 11176327.9/71



Right In: 0.157+/-10.048 χ^2/NDF: 21.3/15

Left Out: 5.590+/-5.079 χ^2/NDF:19.7/18

Right Out: -15.292+/-10.269 χ^2/NDF: 17.9/18

Left In: -7.310+/-5.102 χ^2/NDF:16.5/17

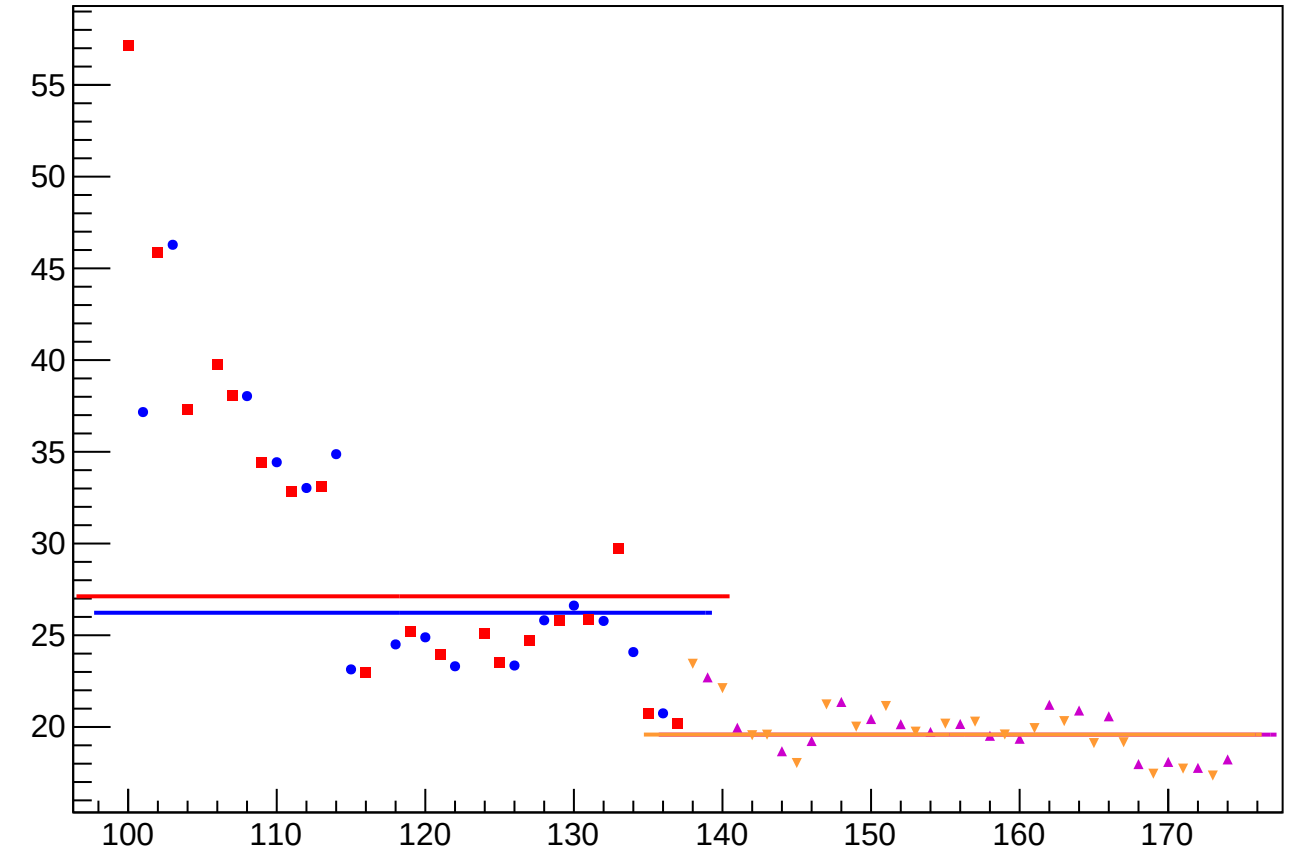
Left: -0.831+/-3.599 χ^2/NDF: 39.4/36

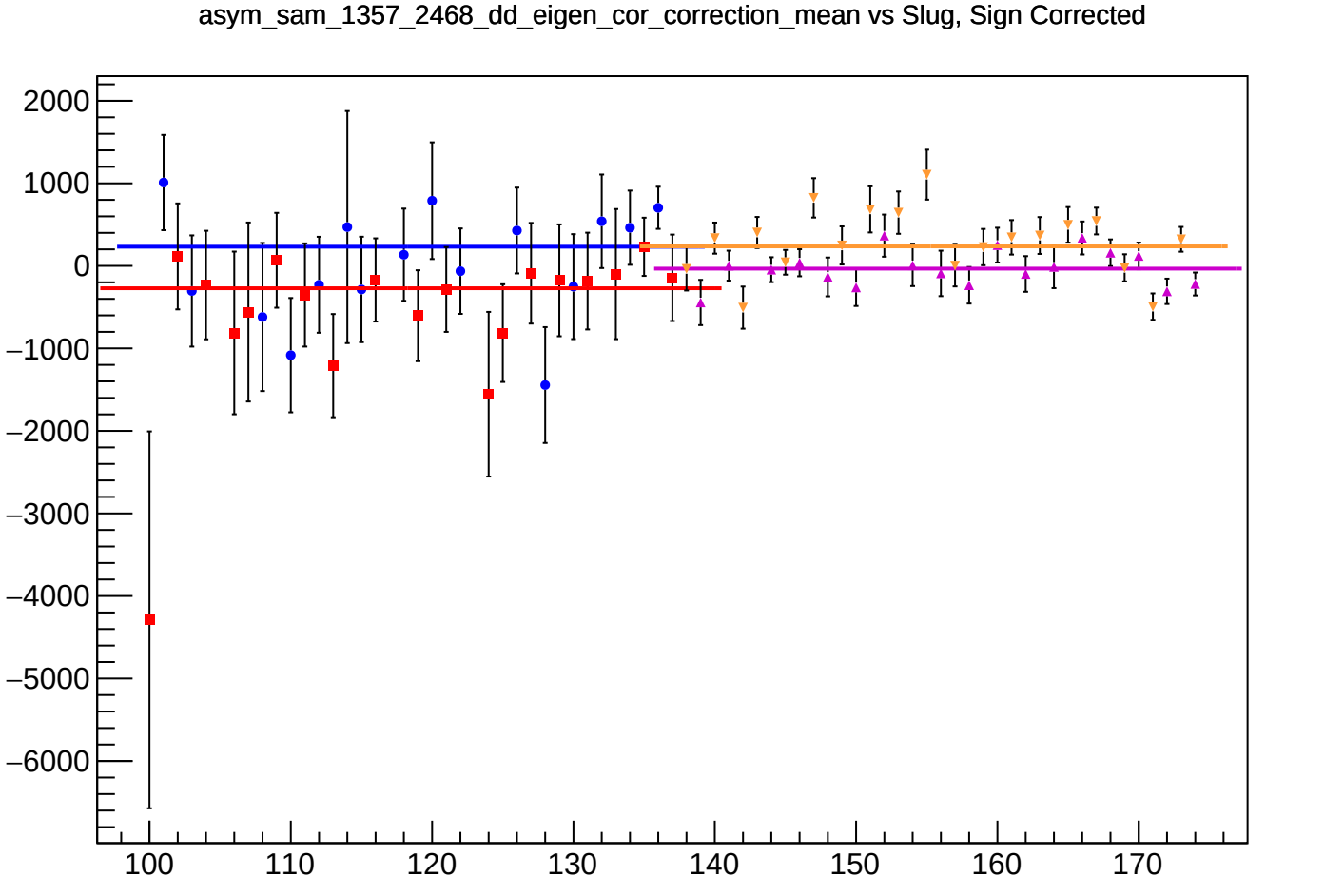
Right: -7.399+/-7.182 χ^2/NDF: 40.4/34

In: -5.779+/-4.549 χ^2/NDF:38.3/33

Out: 1.486+/-4.552 χ^2/NDF:40.9/37

All: -2.150+/-3.218 χ^2/NDF: 80.5/71


eigen_cor_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: 676029.5/15
Left Out: 19.587+/-0.004 χ²/NDF:170519.9/18
Right Out: 27.123+/-0.007 χ²/NDF: 745675.5/18
Left In: 19.582+/-0.004 χ²/NDF:122500.1/17
Left: 19.585+/-0.003 χ²/NDF: 293020.8/36
Right: 26.665+/-0.005 χ²/NDF: 1429493.5/34
In: 20.944+/-0.003 χ²/NDF:1493889.0/33
Out: 21.068+/-0.003 χ²/NDF:1781777.7/37
All: 21.006+/-0.002 χ²/NDF: 3276407.3/71



Right In: 232.084+/-134.871 χ^2/NDF: 19.6/15

Left Out: 235.884+/-46.349 χ^2/NDF:61.9/18

Right Out: -271.412+/-140.183 χ^2/NDF: 11.6/18

Left In: -33.709+/-45.538 χ^2/NDF:19.7/17

Left: 98.709+/-32.483 χ^2/NDF: 98.9/36

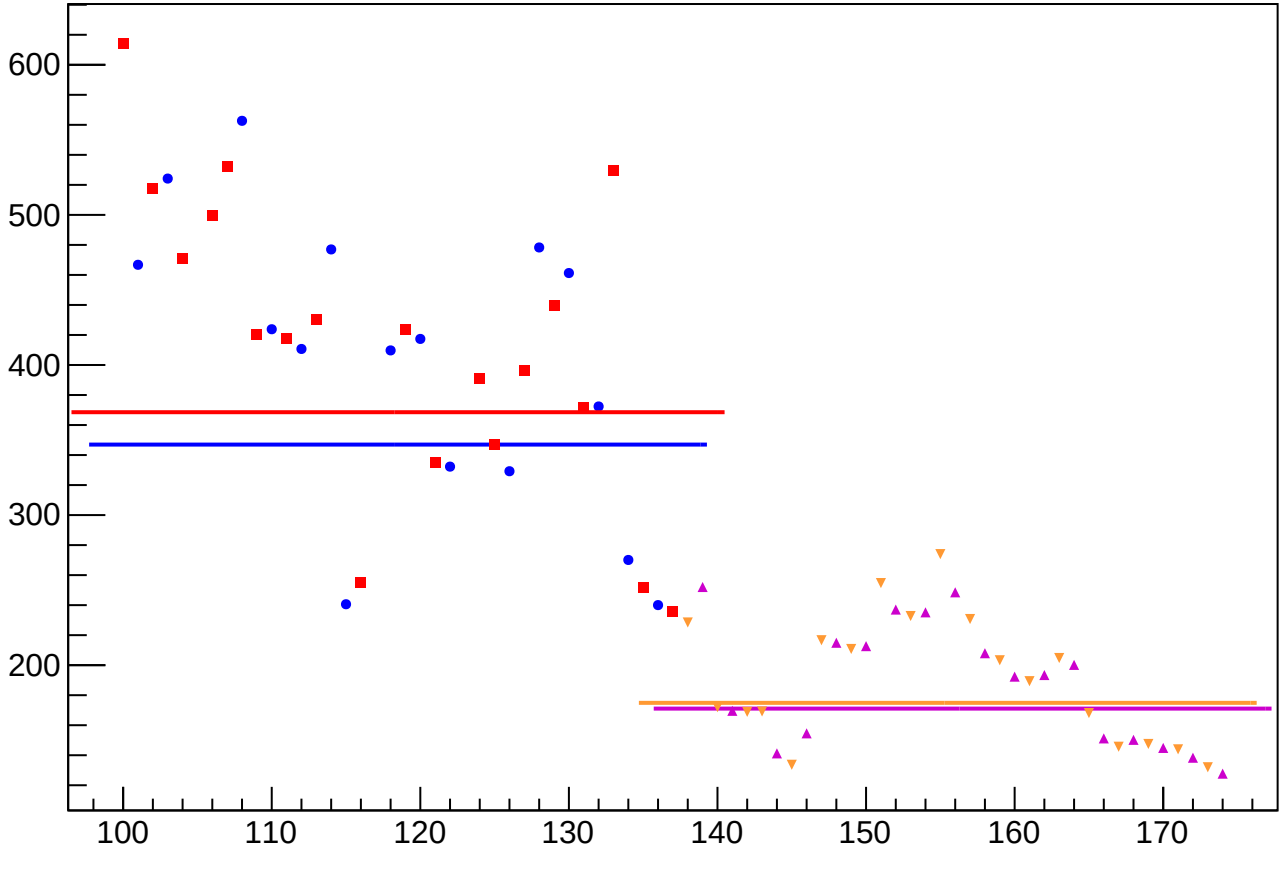
Right: -9.945+/-97.192 χ^2/NDF: 38.0/34

In: -6.509+/-43.145 χ^2/NDF:42.9/33

Out: 185.893+/-44.006 χ^2/NDF:85.4/37

All: 87.792+/-30.808 χ^2/NDF: 138.0/71

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 346.969+/-0.095 χ^2/NDF: 1058057.4/15

Left Out: 174.906+/-0.033 χ^2/NDF:1364641.4/18

Right Out: 368.543+/-0.099 χ^2/NDF: 900219.6/18

Left In: 171.066+/-0.032 χ^2/NDF:1346713.3/17

Left: 172.952+/-0.023 χ^2/NDF: 2718343.0/36

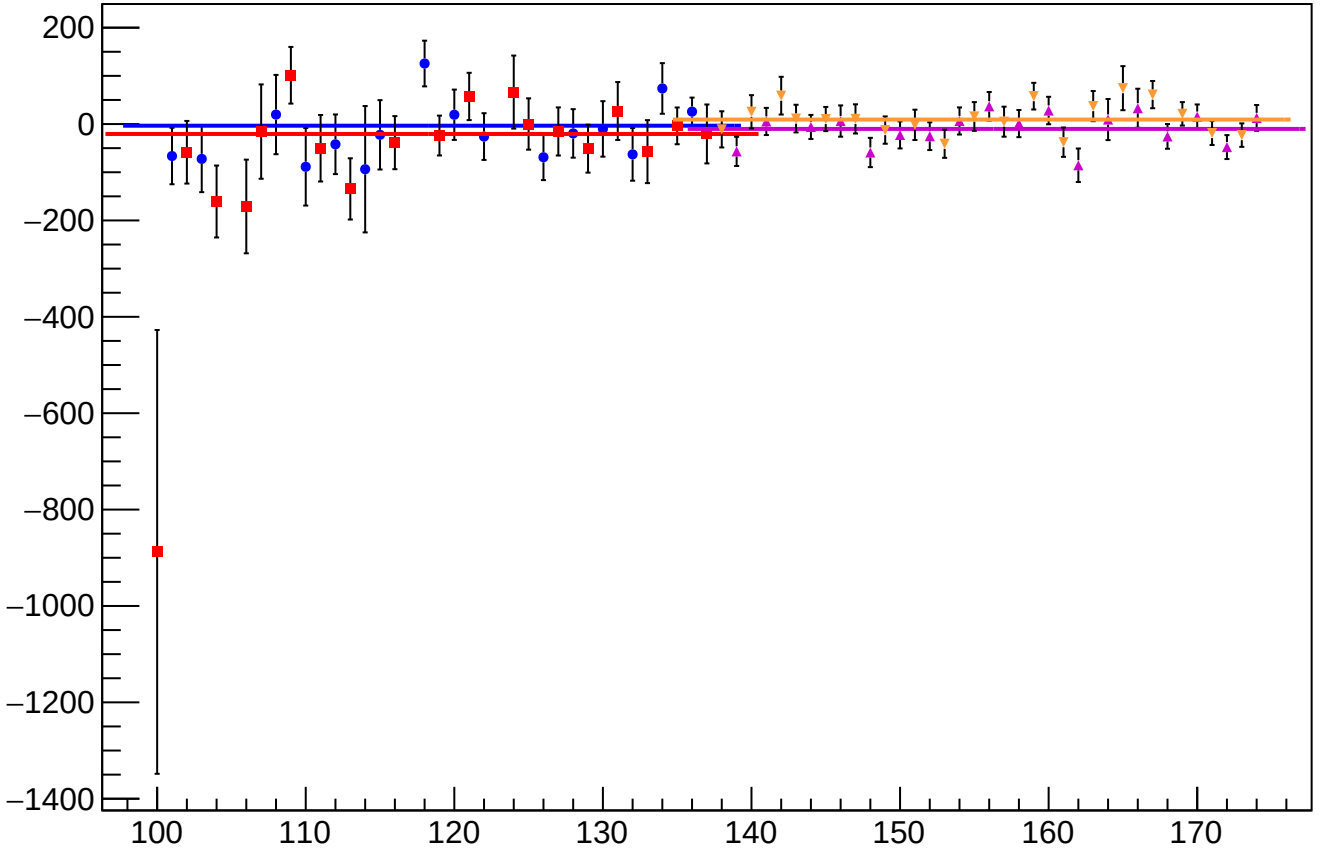
Right: 357.340+/-0.069 χ^2/NDF: 1982876.2/34

In: 189.067+/-0.031 χ^2/NDF:5458682.5/33

Out: 193.988+/-0.031 χ^2/NDF:5704890.3/37

All: 191.479+/-0.022 χ^2/NDF: 11176327.9/71

dit_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -3.423+/-13.393 χ^2/NDF: 18.5/15

Left Out: 9.345+/-6.770 χ^2/NDF:20.8/18

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.077+/-6.829 χ^2/NDF:21.2/17

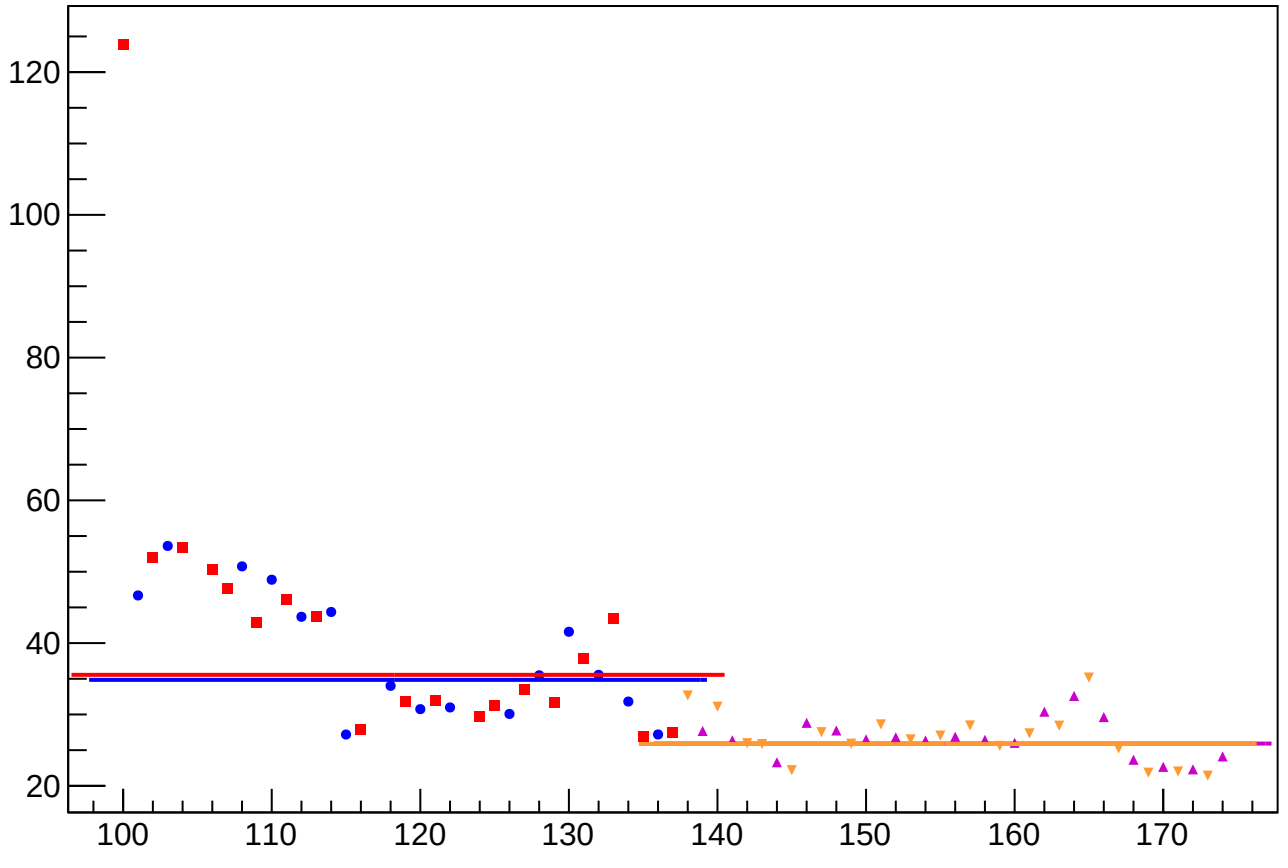
Left: -0.282+/-4.808 χ^2/NDF: 46.1/36

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.704+/-6.083 χ^2/NDF:39.9/33

Out: 3.316+/-6.049 χ^2/NDF:47.8/37

All: -2.660+/-4.290 χ^2/NDF: 89.7/71



Right In: 34.850+/-0.009 χ^2/NDF: 658141.6/15

Left Out: 25.859+/-0.005 χ^2/NDF:465334.2/18

Right Out: 35.553+/-0.010 χ^2/NDF: 779880.3/18

Left In: 25.925+/-0.005 χ^2/NDF:257738.9/17

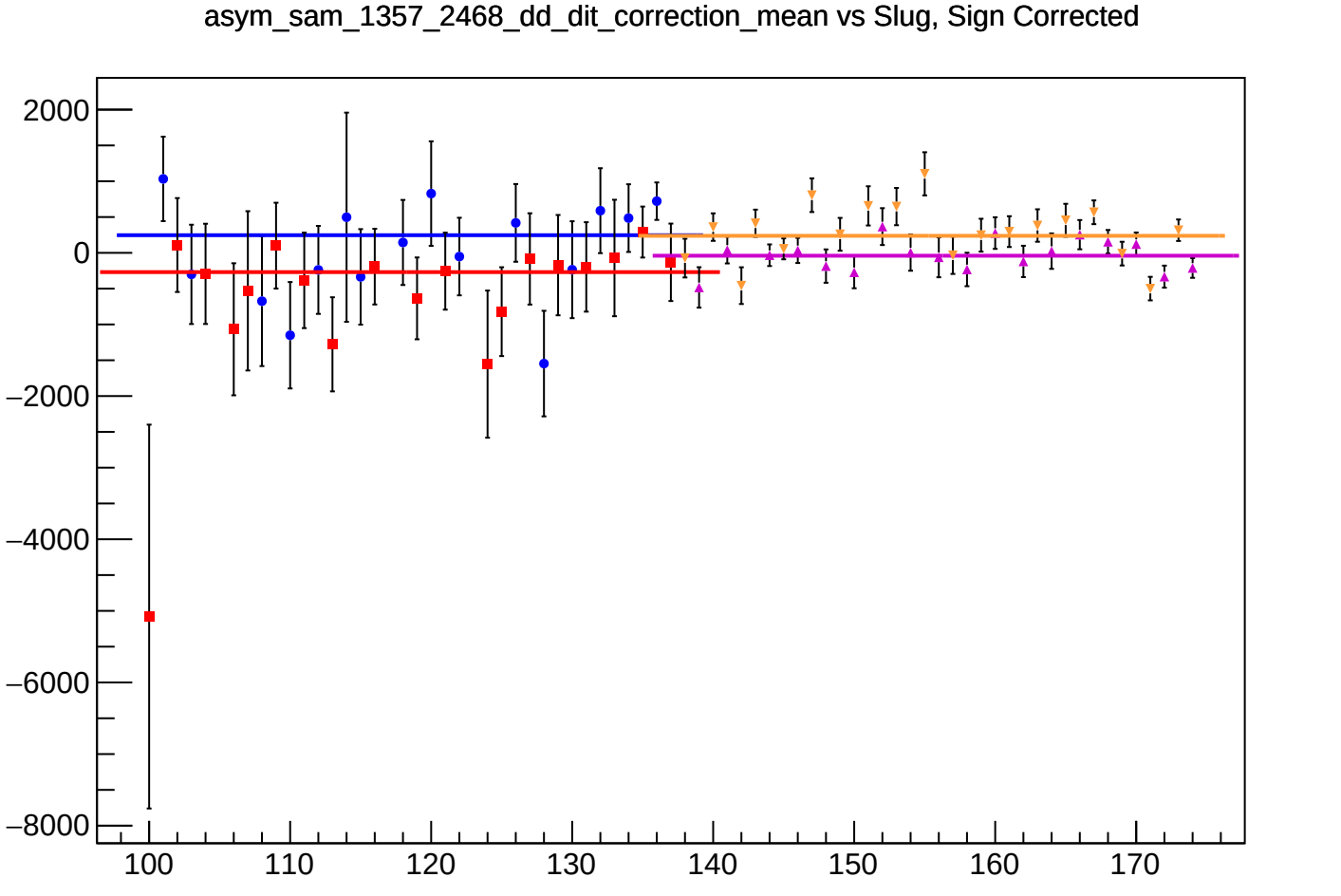
Left: 25.892+/-0.003 χ^2/NDF: 723168.9/36

Right: 35.200+/-0.007 χ^2/NDF: 1440755.9/34

In: 27.767+/-0.004 χ^2/NDF:1620876.3/33

Out: 27.812+/-0.004 χ^2/NDF:2071765.6/37

All: 27.790+/-0.003 χ^2/NDF: 3692698.6/71



Right In: 246.507+/-140.275 χ^2/NDF: 19.8/15

Left Out: 237.979+/-46.897 χ^2/NDF:59.4/18

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -40.135+/-46.183 χ^2/NDF:19.4/17

Left: 96.789+/-32.906 χ^2/NDF: 96.6/36

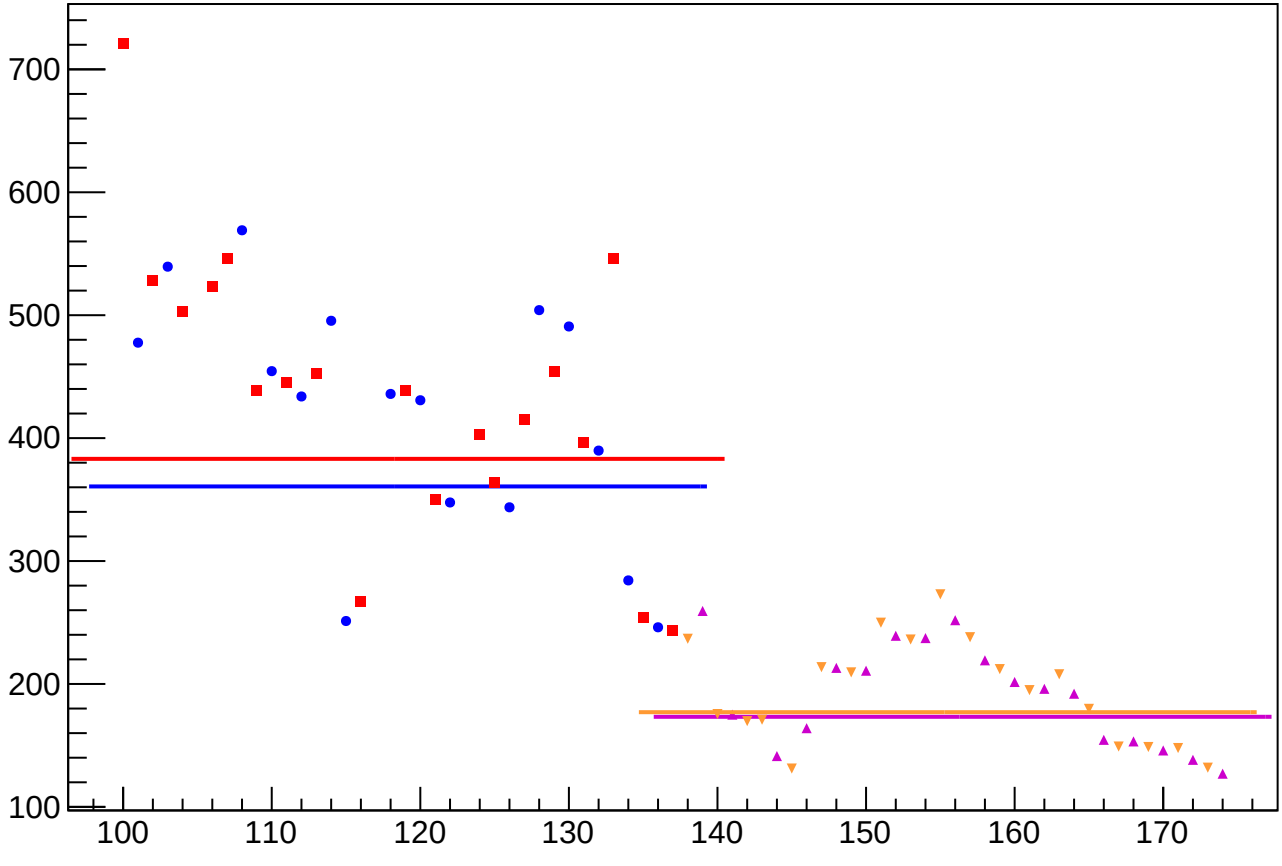
Right: -2.144+/-100.917 χ^2/NDF: 38.9/34

In: -12.103+/-43.867 χ^2/NDF:42.9/33

Out: 190.154+/-44.630 χ^2/NDF:83.1/37

All: 87.281+/-31.285 χ^2/NDF: 136.4/71

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.692+/-0.099 χ^2/NDF: 1092760.6/15

Left Out: 177.041+/-0.033 χ^2/NDF:1399790.0/18

Right Out: 383.132+/-0.103 χ^2/NDF: 963125.0/18

Left In: 173.287+/-0.033 χ^2/NDF:1388803.5/17

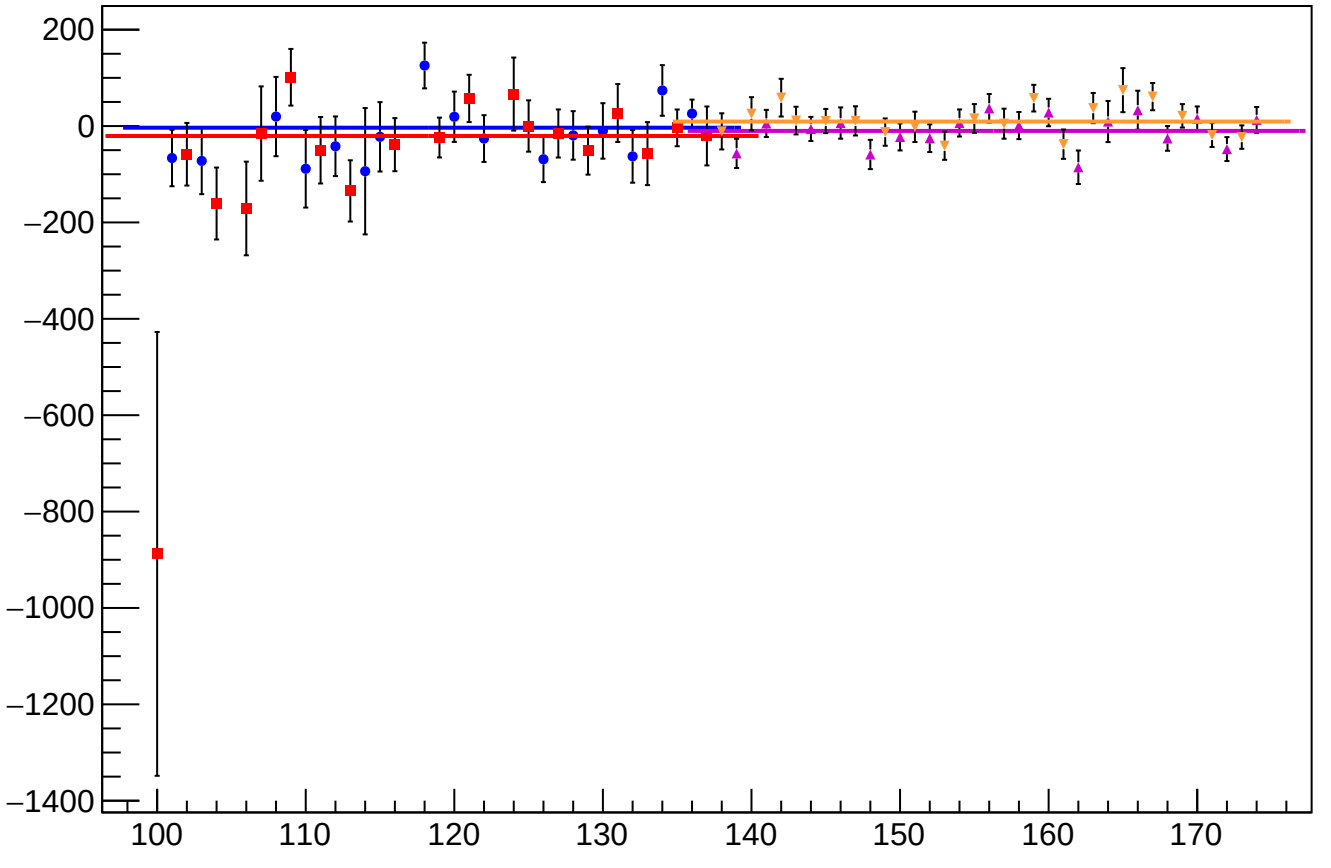
Left: 175.136+/-0.023 χ^2/NDF: 2795099.4/36

Right: 371.518+/-0.071 χ^2/NDF: 2080575.8/34

In: 191.614+/-0.031 χ^2/NDF:5702180.8/33

Out: 196.486+/-0.032 χ^2/NDF:6007113.2/37

All: 194.008+/-0.022 χ^2/NDF: 11721415.2/71



Right In: -3.425+/-13.392 χ^2/NDF: 18.5/15

Left Out: 9.346+/-6.770 χ^2/NDF:20.8/18

Right Out: -20.569+/-13.475 χ^2/NDF: 23.1/18

Left In: -10.077+/-6.829 χ^2/NDF:21.2/17

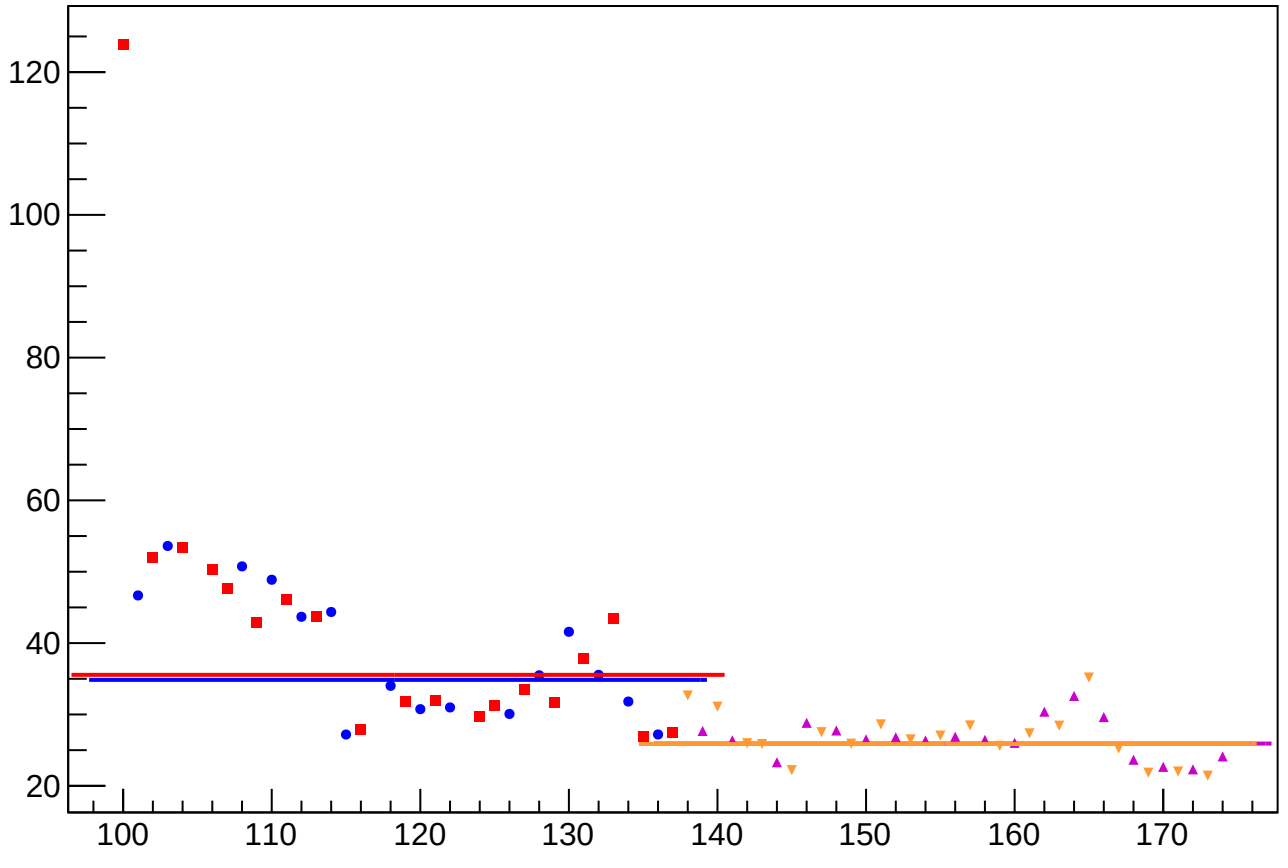
Left: -0.282+/-4.808 χ^2/NDF: 46.1/36

Right: -11.944+/-9.499 χ^2/NDF: 42.4/34

In: -8.704+/-6.083 χ^2/NDF:39.9/33

Out: 3.316+/-6.049 χ^2/NDF:47.8/37

All: -2.660+/-4.290 χ^2/NDF: 89.7/71



Right In: 34.850+/-0.009 χ^2/NDF: 658089.6/15

Left Out: 25.859+/-0.005 χ^2/NDF:465325.7/18

Right Out: 35.552+/-0.010 χ^2/NDF: 779849.4/18

Left In: 25.925+/-0.005 χ^2/NDF:257737.2/17

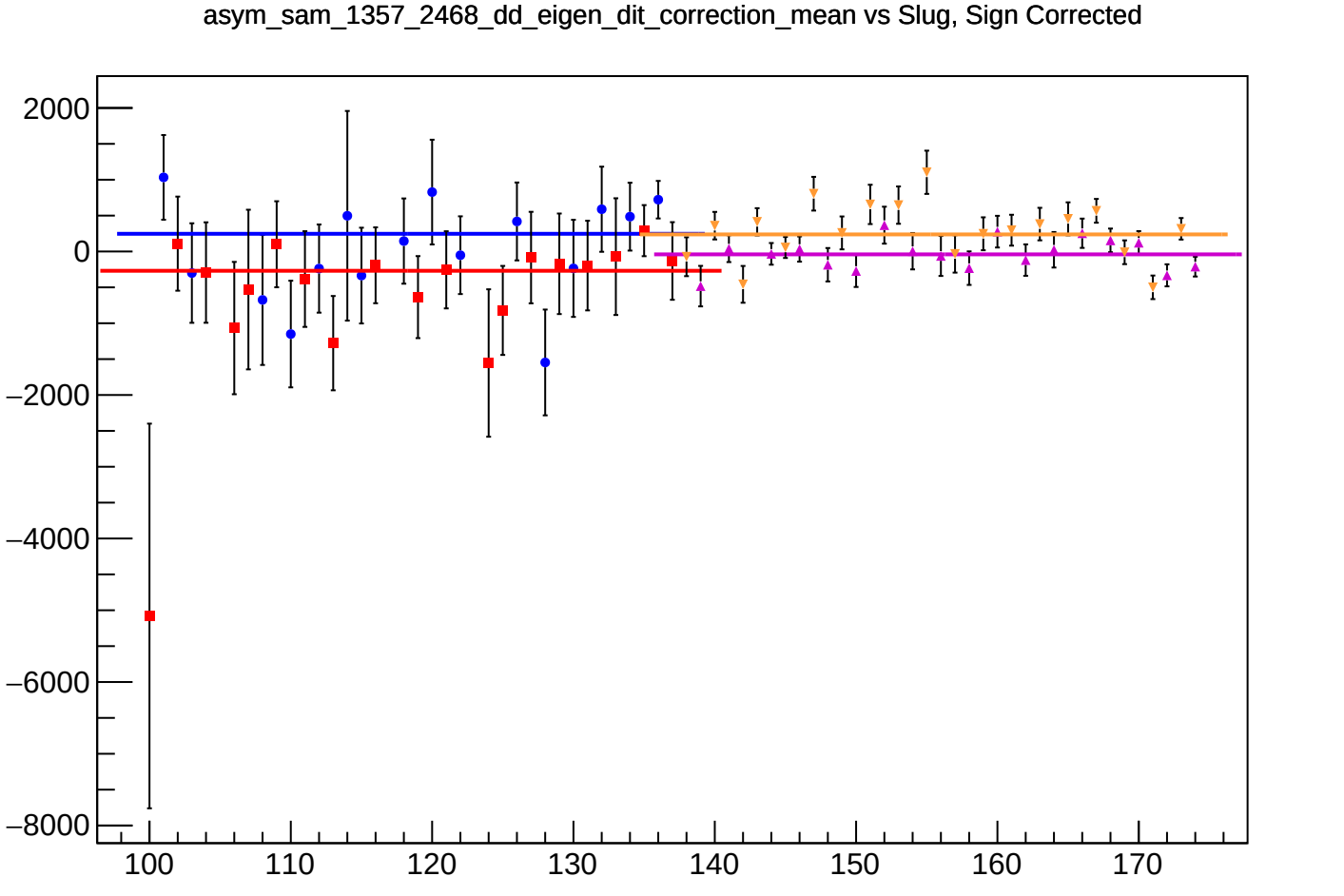
Left: 25.892+/-0.003 χ^2/NDF: 723158.6/36

Right: 35.199+/-0.007 χ^2/NDF: 1440673.9/34

In: 27.767+/-0.004 χ^2/NDF:1620750.8/33

Out: 27.812+/-0.004 χ^2/NDF:2071659.9/37

All: 27.790+/-0.003 χ^2/NDF: 3692467.5/71



Right In: 246.505+/-140.274 χ^2/NDF: 19.8/15

Left Out: 237.979+/-46.897 χ^2/NDF:59.4/18

Right Out: -268.913+/-145.295 χ^2/NDF: 12.6/18

Left In: -40.135+/-46.183 χ^2/NDF:19.4/17

Left: 96.789+/-32.906 χ^2/NDF: 96.6/36

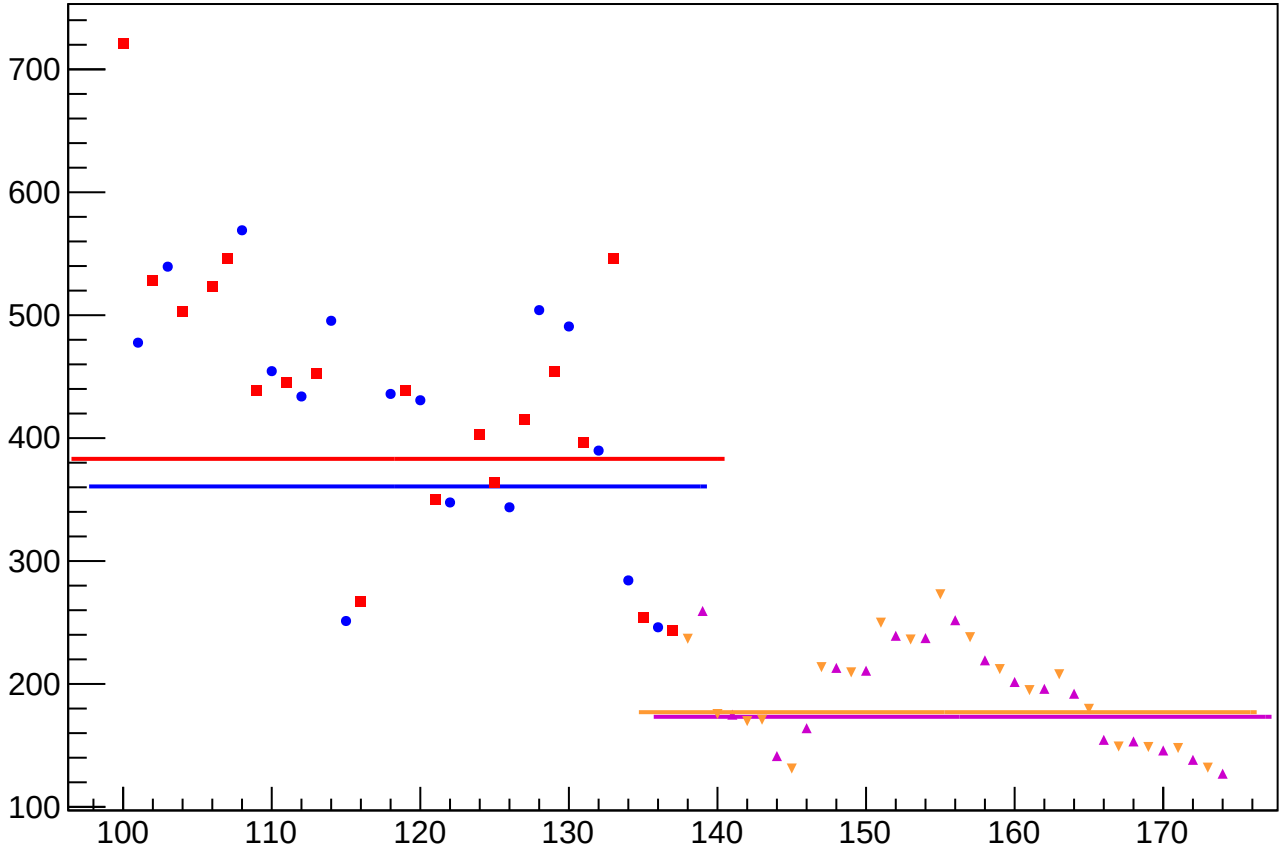
Right: -2.145+/-100.917 χ^2/NDF: 38.9/34

In: -12.103+/-43.866 χ^2/NDF:42.9/33

Out: 190.153+/-44.630 χ^2/NDF:83.1/37

All: 87.281+/-31.285 χ^2/NDF: 136.4/71

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 360.691+/-0.099 χ^2/NDF: 1092752.5/15

Left Out: 177.041+/-0.033 χ^2/NDF:1399807.8/18

Right Out: 383.131+/-0.103 χ^2/NDF: 963120.8/18

Left In: 173.287+/-0.033 χ^2/NDF:1388818.4/17

Left: 175.135+/-0.023 χ^2/NDF: 2795132.3/36

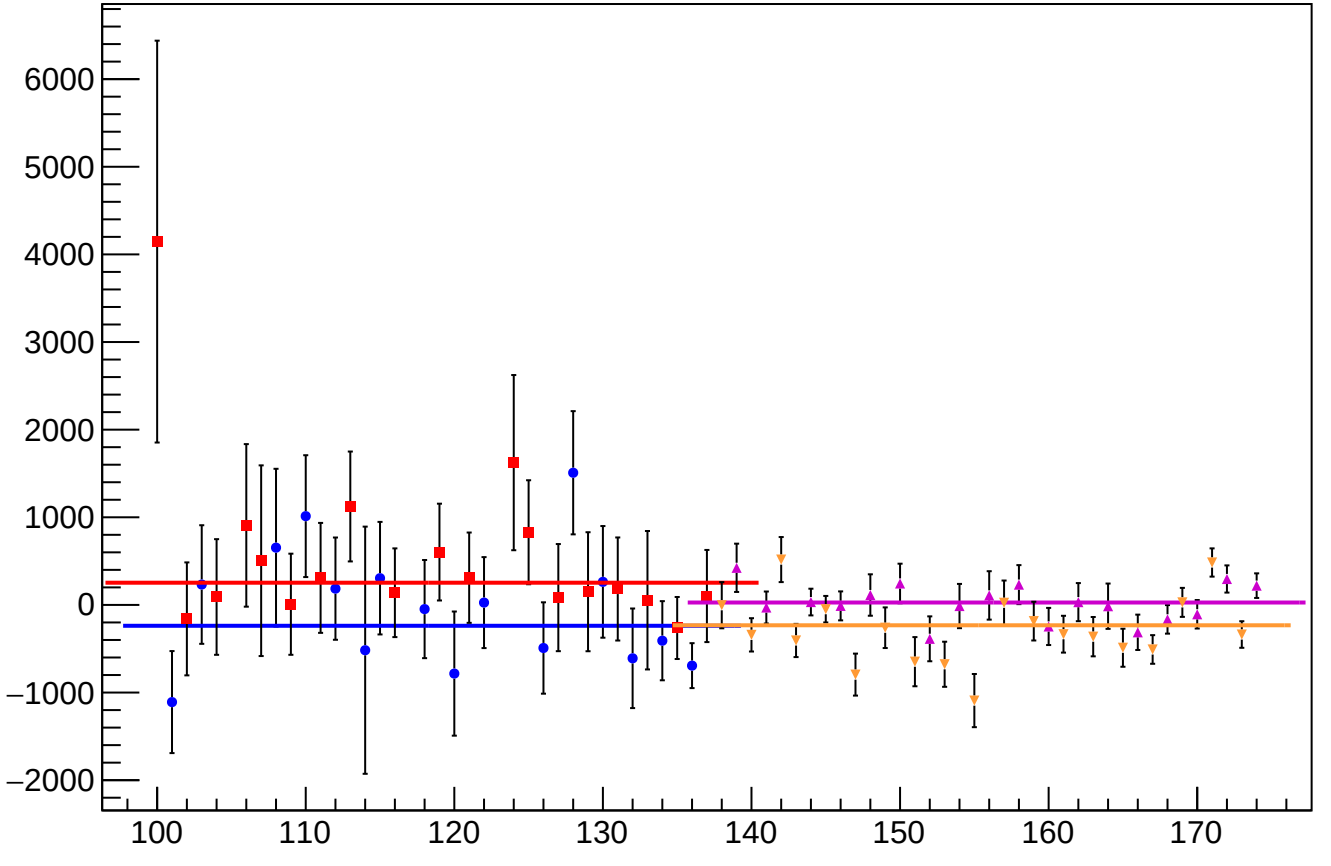
Right: 371.517+/-0.071 χ^2/NDF: 2080563.7/34

In: 191.614+/-0.031 χ^2/NDF:5702193.7/33

Out: 196.486+/-0.032 χ^2/NDF:6007130.7/37

All: 194.008+/-0.022 χ^2/NDF: 11721445.9/71

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -238.043+/-135.349 χ^2/NDF: 19.9/15

Left Out: -232.306+/-46.662 χ^2/NDF:59.3/18

Right Out: 253.445+/-140.414 χ^2/NDF: 11.7/18

Left In: 27.393+/-45.863 χ^2/NDF:18.3/17

Left: -100.216+/-32.709 χ^2/NDF: 93.3/36

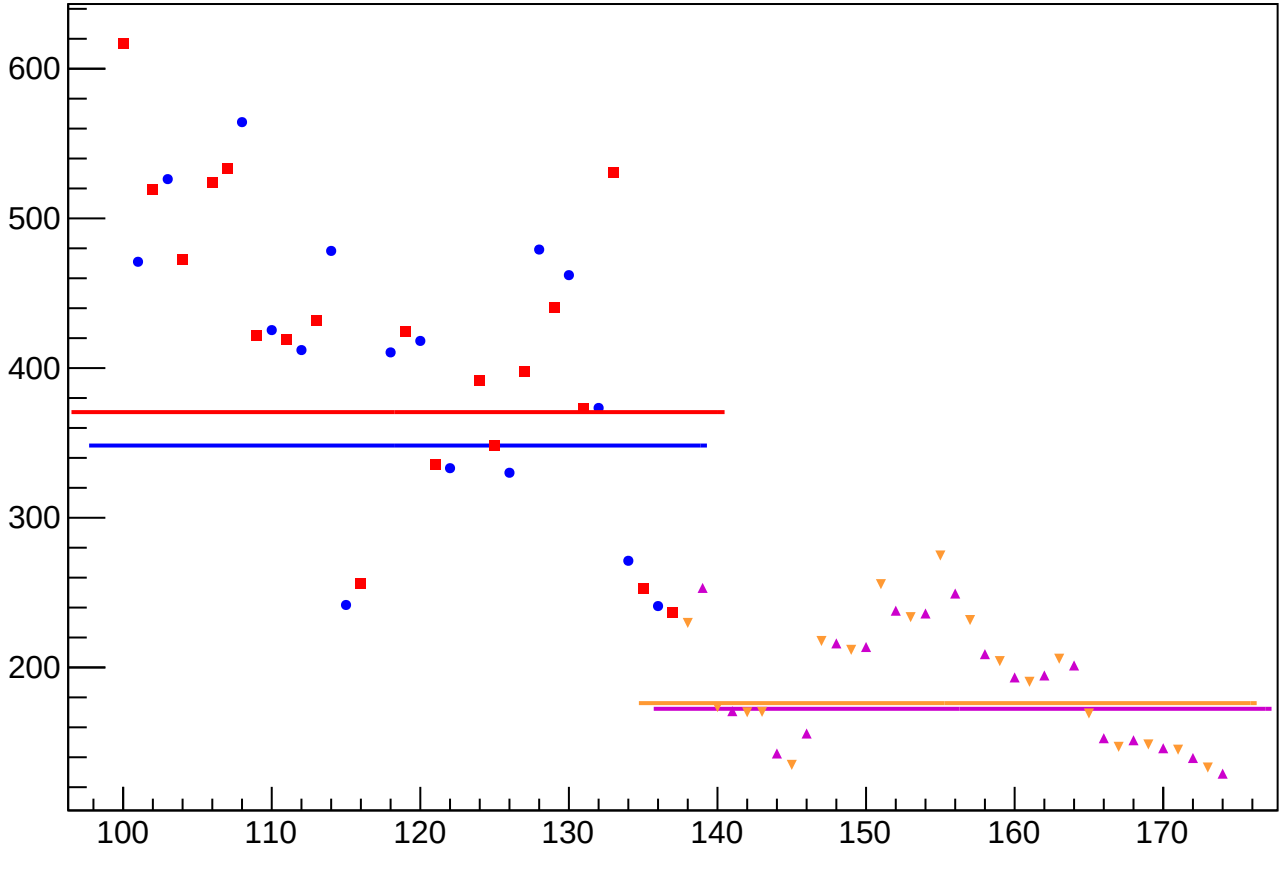
Right: -1.323+/-97.448 χ^2/NDF: 38.0/34

In: 0.054+/-43.437 χ^2/NDF:41.7/33

Out: -183.998+/-44.281 χ^2/NDF:81.7/37

All: -90.202+/-31.009 χ^2/NDF: 132.3/71

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 348.253+/-0.096 χ^2/NDF: 1056820.3/15

Left Out: 176.163+/-0.033 χ^2/NDF:1342778.1/18

Right Out: 370.585+/-0.099 χ^2/NDF: 917913.5/18

Left In: 172.369+/-0.032 χ^2/NDF:1322251.7/17

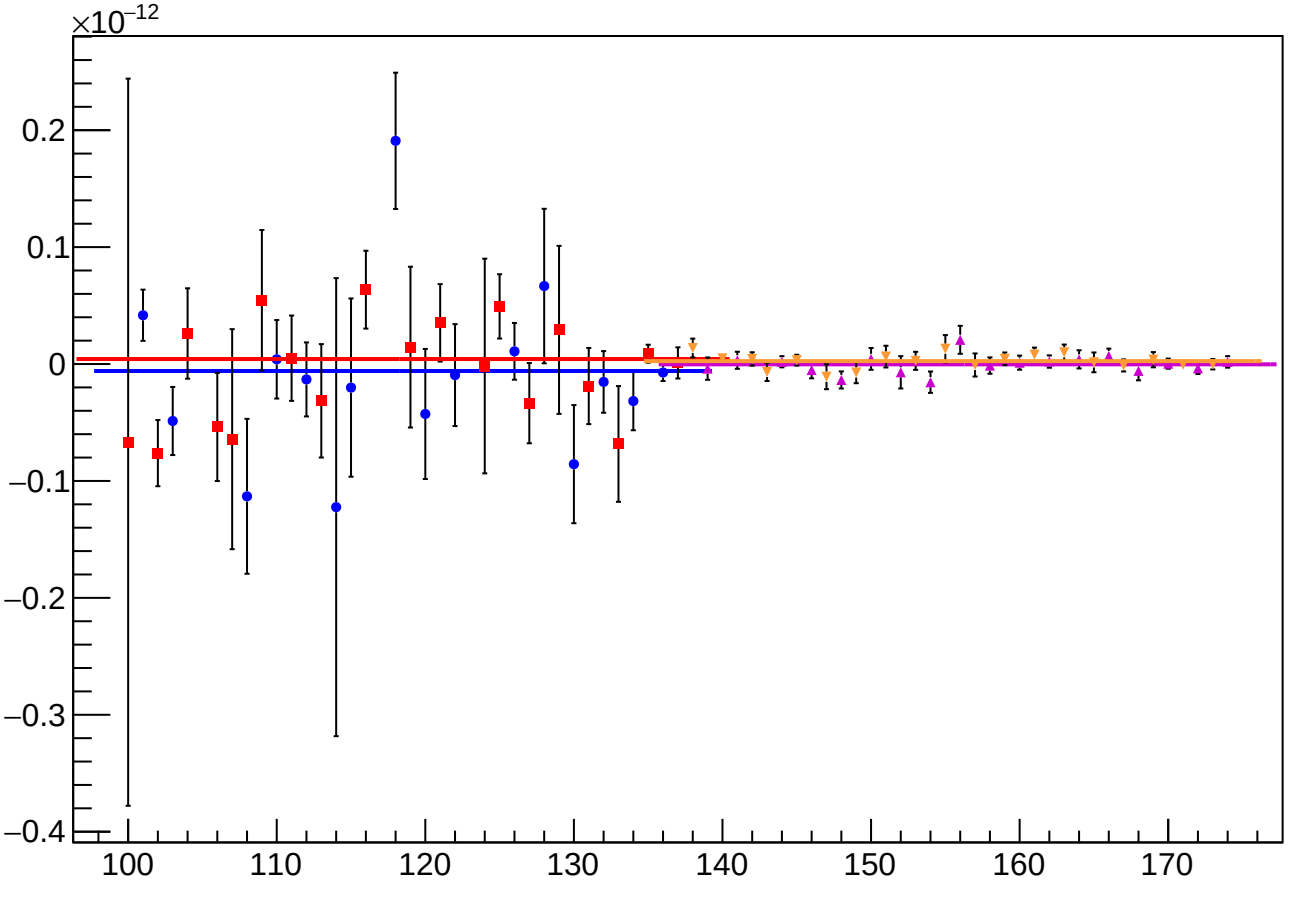
Left: 174.233+/-0.023 χ^2/NDF: 2671753.8/36

Right: 359.009+/-0.069 χ^2/NDF: 2000959.8/34

In: 190.485+/-0.031 χ^2/NDF:5408521.9/33

Out: 195.498+/-0.031 χ^2/NDF:5713791.6/37

All: 192.943+/-0.022 χ^2/NDF: 11135381.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/15

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/18

Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/18

Left In: -0.000+/-0.000 χ^2/NDF:13.8/17

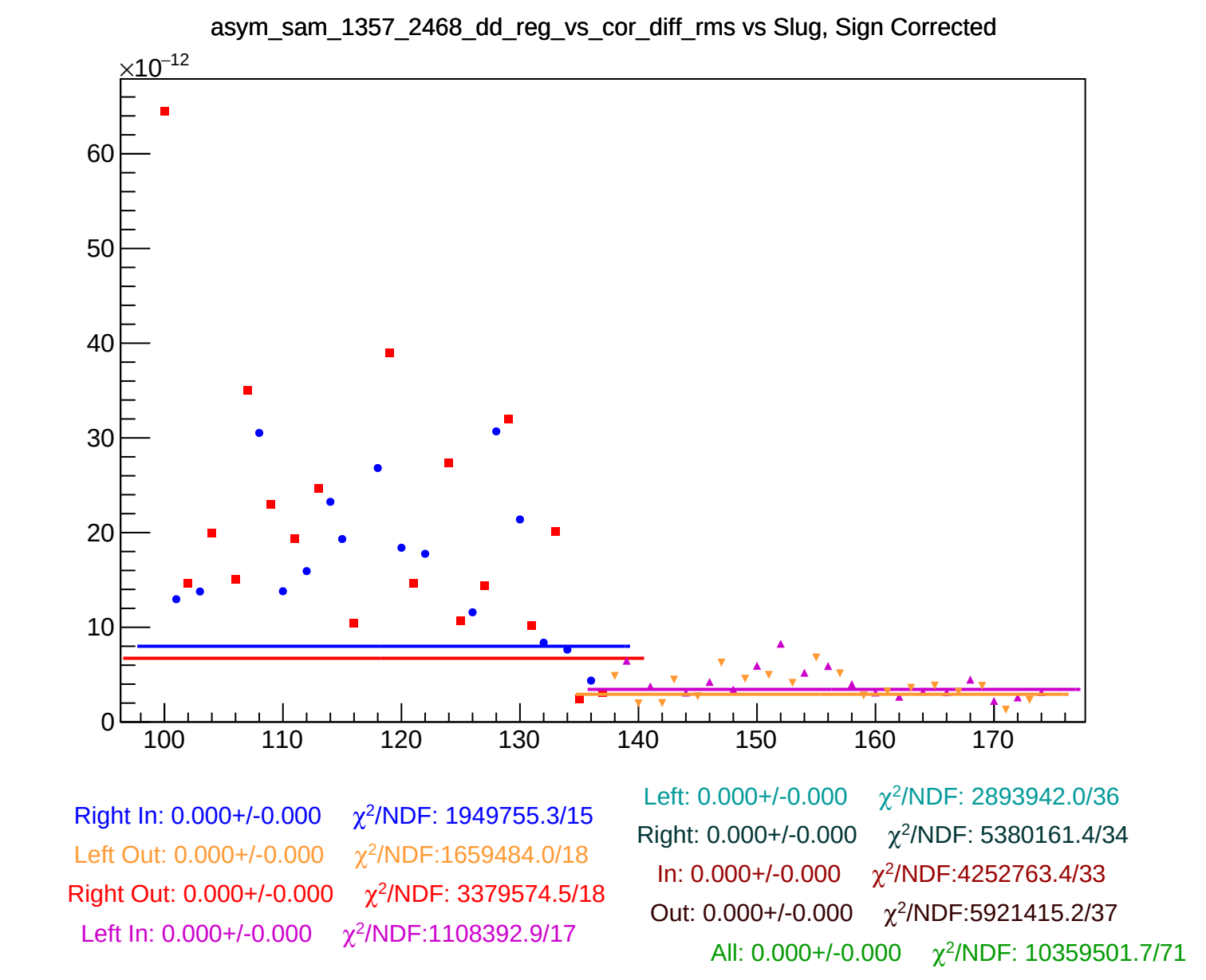
Left: 0.000+/-0.000 χ^2/NDF: 27.2/36

Right: -0.000+/-0.000 χ^2/NDF: 51.9/34

In: -0.000+/-0.000 χ^2/NDF:42.0/33

Out: 0.000+/-0.000 χ^2/NDF:34.7/37

All: 0.000+/-0.000 χ^2/NDF: 79.3/71


asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−12
60
50
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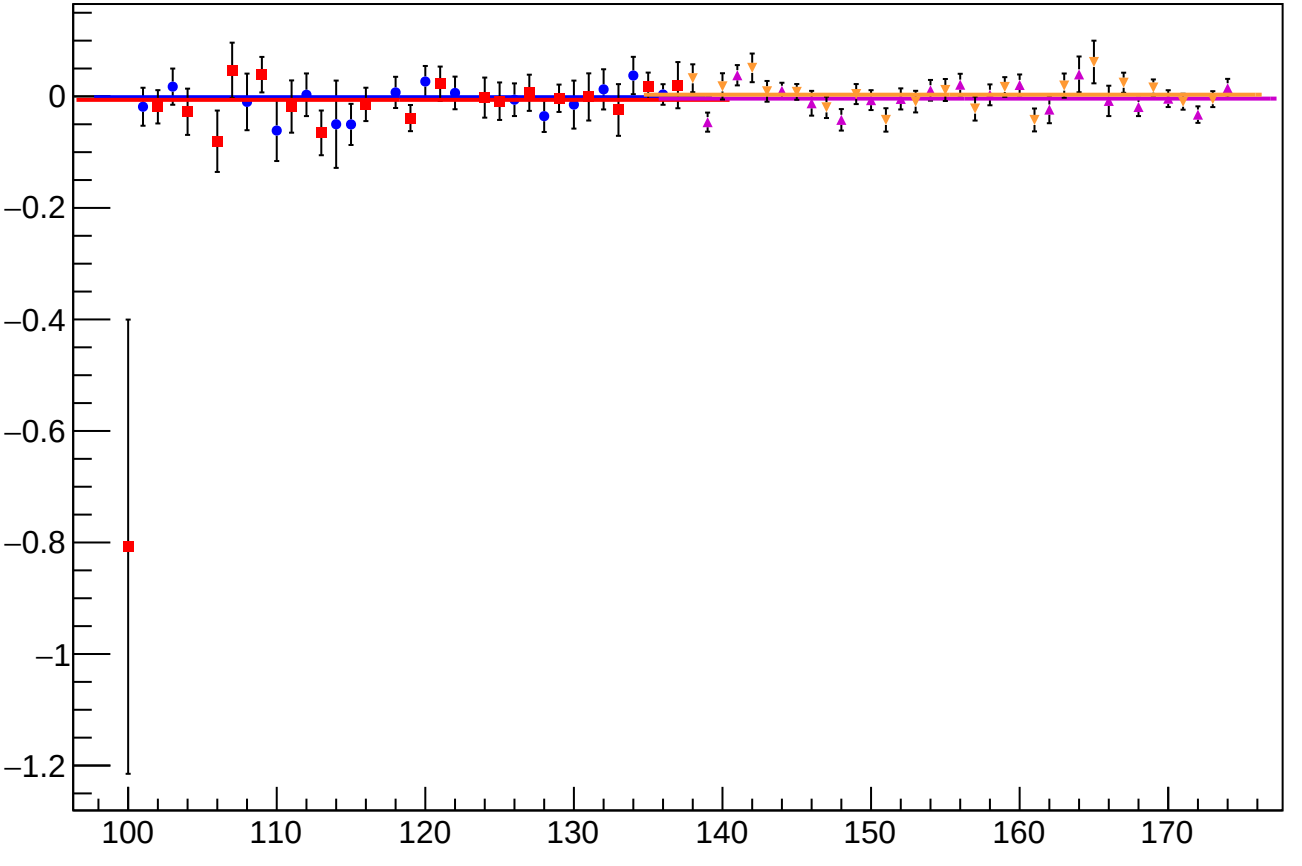
30
20
10
0
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 1949755.3/15
Left Out: 0.000+/-0.000 χ²/NDF:1659484.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 3379574.5/18
Left In: 0.000+/-0.000 χ²/NDF:1108392.9/17
Left: 0.000+/-0.000 χ²/NDF: 2893942.0/36
Right: 0.000+/-0.000 χ²/NDF: 5380161.4/34
In: 0.000+/-0.000 χ²/NDF:4252763.4/33
Out: 0.000+/-0.000 χ²/NDF:5921415.2/37
All: 0.000+/-0.000 χ²/NDF: 10359501.7/71

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.3/36

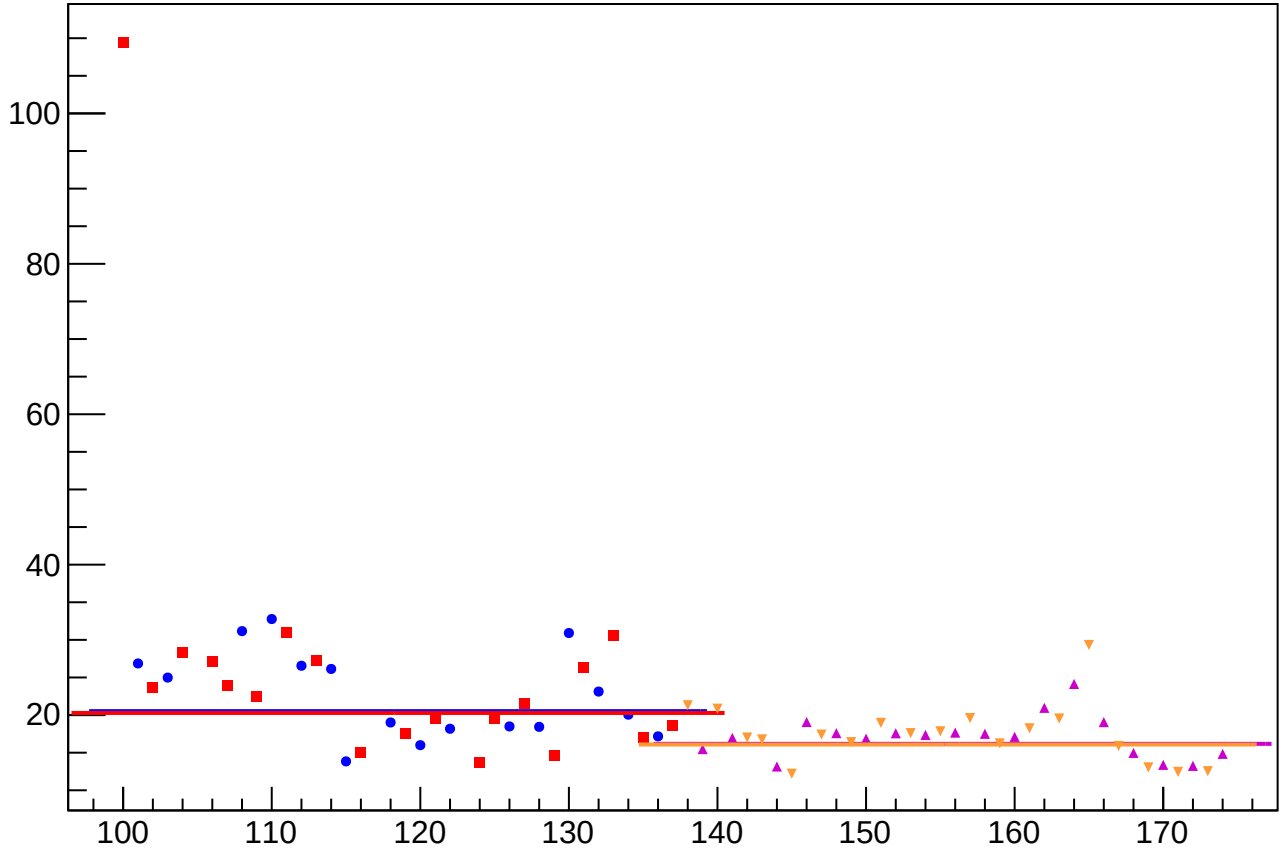
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.2/33

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.001+/-0.003 χ^2/NDF: 80.3/71

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107558.7/18

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

Left: 16.129+/-0.002 χ^2/NDF: 1688883.8/36

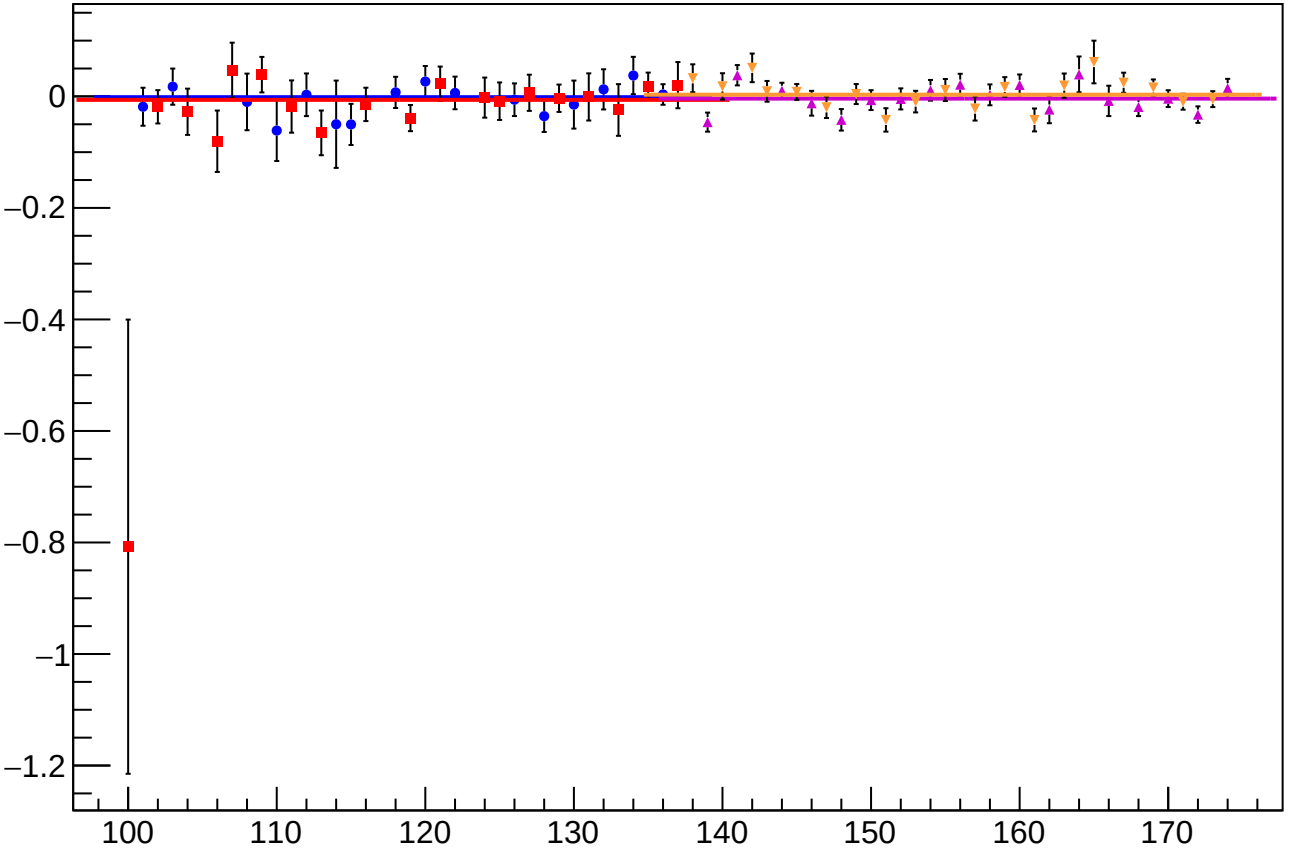
Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.148+/-0.003 χ^2/NDF:1738304.0/33

Out: 17.044+/-0.003 χ^2/NDF:2409257.3/37

All: 17.095+/-0.002 χ^2/NDF: 4148326.8/71

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.3/36

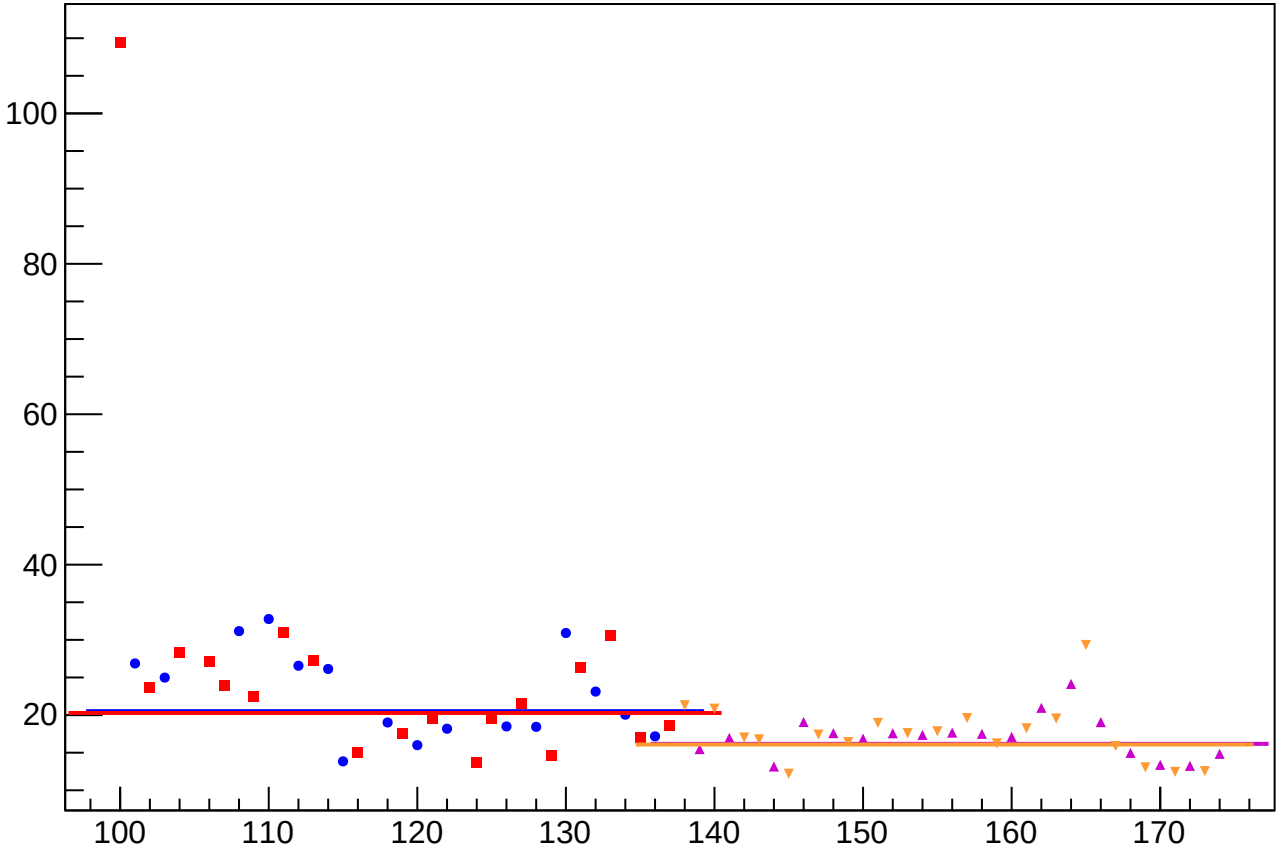
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.2/33

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.001+/-0.003 χ^2/NDF: 80.3/71

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.522+/-0.006 χ^2/NDF: 705998.4/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107558.7/18

Right Out: 20.282+/-0.006 χ^2/NDF: 864352.6/18

Left In: 16.175+/-0.003 χ^2/NDF:580886.8/17

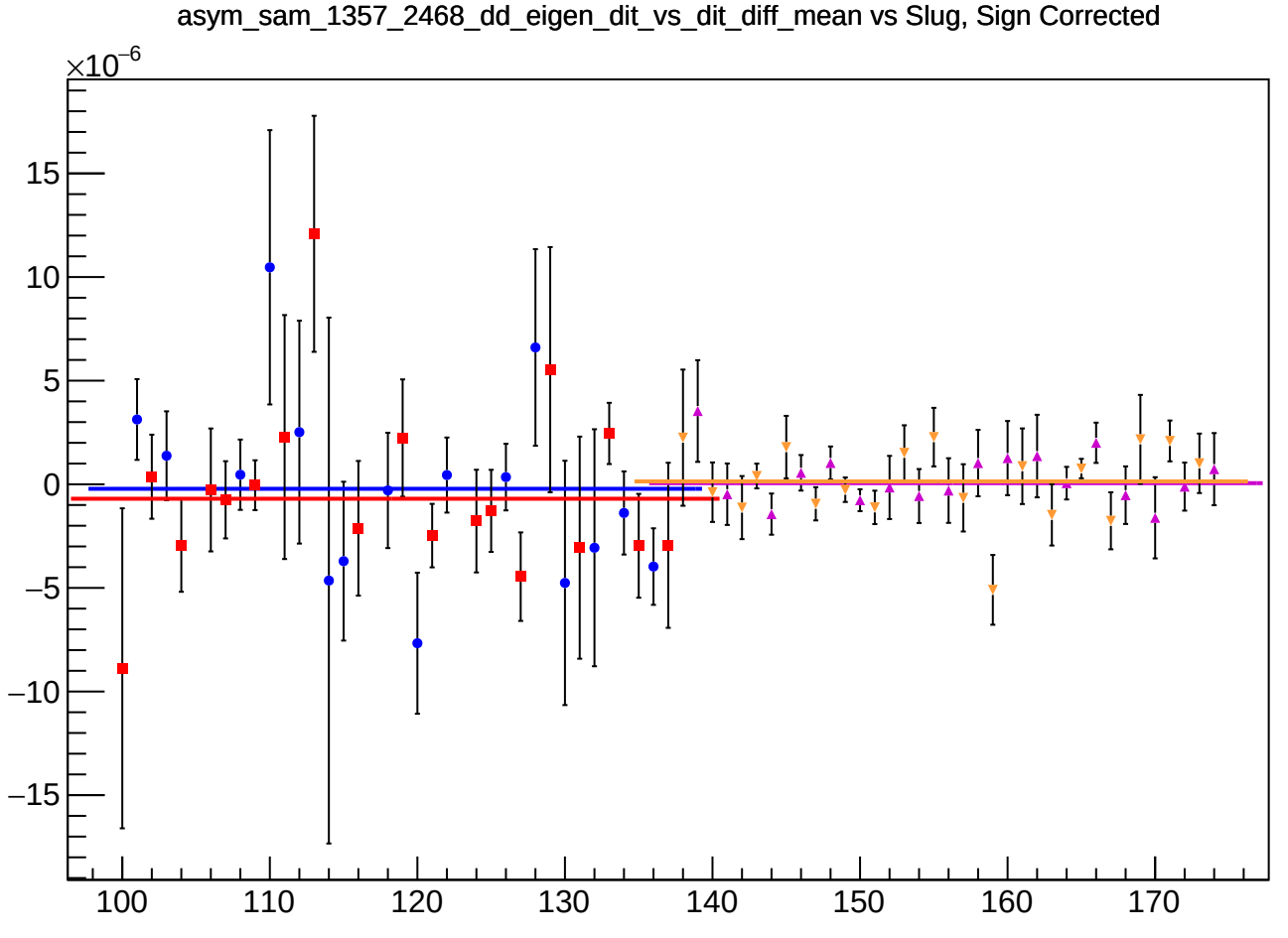
Left: 16.129+/-0.002 χ^2/NDF: 1688883.8/36

Right: 20.399+/-0.004 χ^2/NDF: 1571258.3/34

In: 17.148+/-0.003 χ^2/NDF:1738304.0/33

Out: 17.044+/-0.003 χ^2/NDF:2409257.3/37

All: 17.095+/-0.002 χ^2/NDF: 4148326.8/71



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.0/18

Left In: 0.000+/-0.000 χ^2/NDF:15.3/17

Left: 0.000+/-0.000 χ^2/NDF: 46.2/36

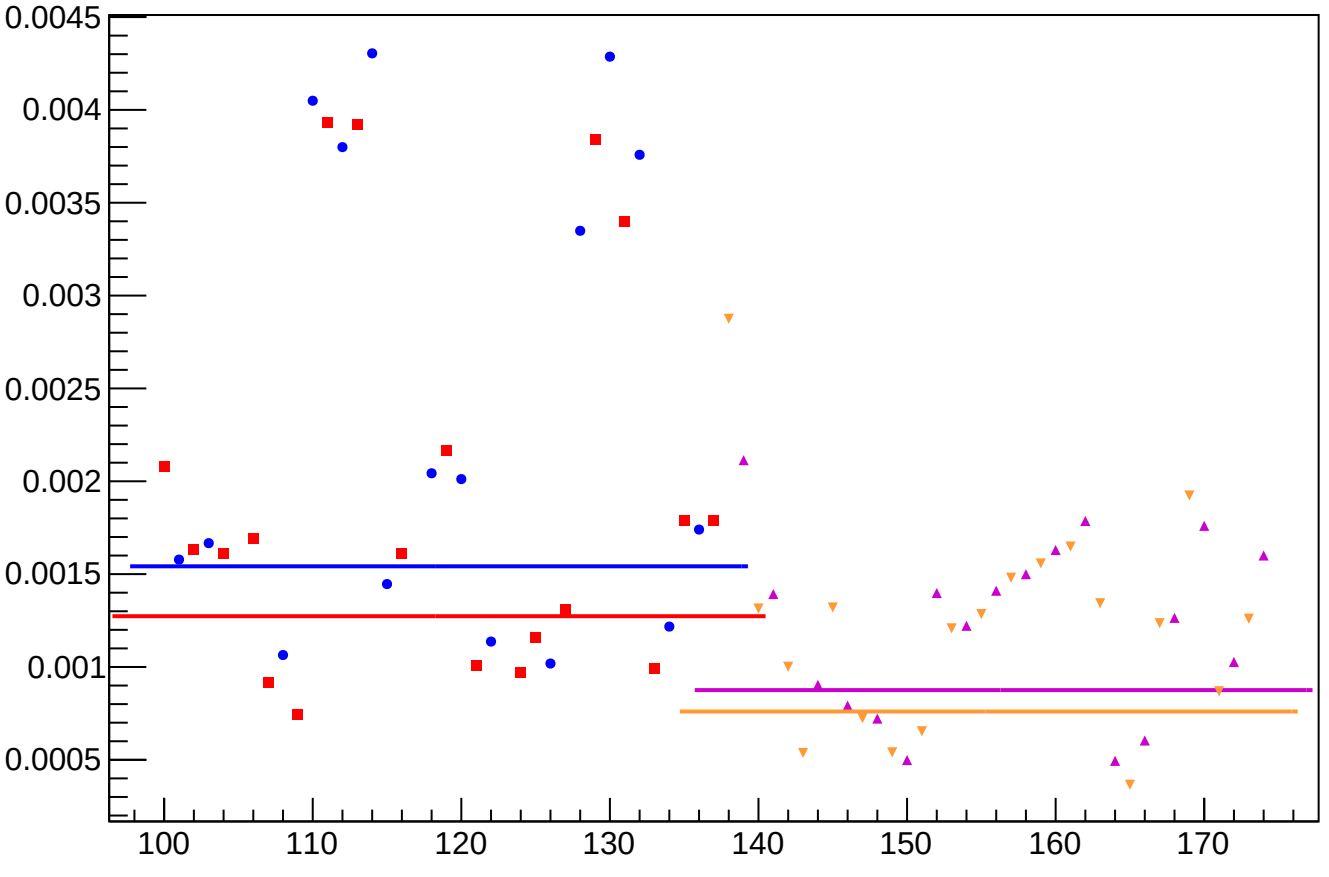
Right: -0.000+/-0.000 χ^2/NDF: 41.2/34

In: 0.000+/-0.000 χ^2/NDF:35.4/33

Out: 0.000+/-0.000 χ^2/NDF:53.9/37

All: 0.000+/-0.000 χ^2/NDF: 89.3/71

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2416805.2/15

Left Out: 0.001+/-0.000 χ^2/NDF:6694547.4/18

Right Out: 0.001+/-0.000 χ^2/NDF: 2667436.5/18

Left In: 0.001+/-0.000 χ^2/NDF:5129299.7/17

Left: 0.001+/-0.000 χ^2/NDF: 12049992.5/36

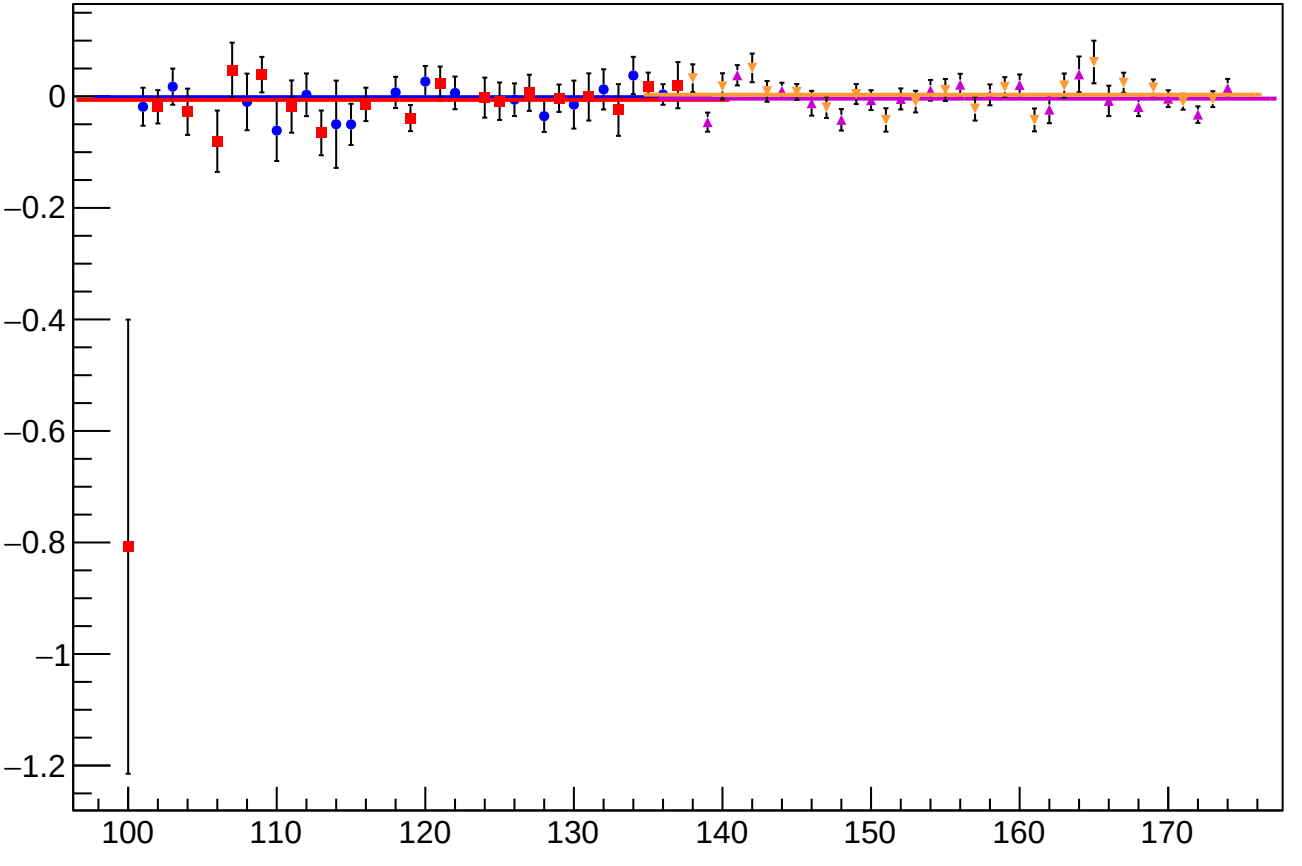
Right: 0.001+/-0.000 χ^2/NDF: 5298926.0/34

In: 0.001+/-0.000 χ^2/NDF:9461350.9/33

Out: 0.001+/-0.000 χ^2/NDF:10978594.7/37

All: 0.001+/-0.000 χ^2/NDF: 20778565.1/71

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.3/36

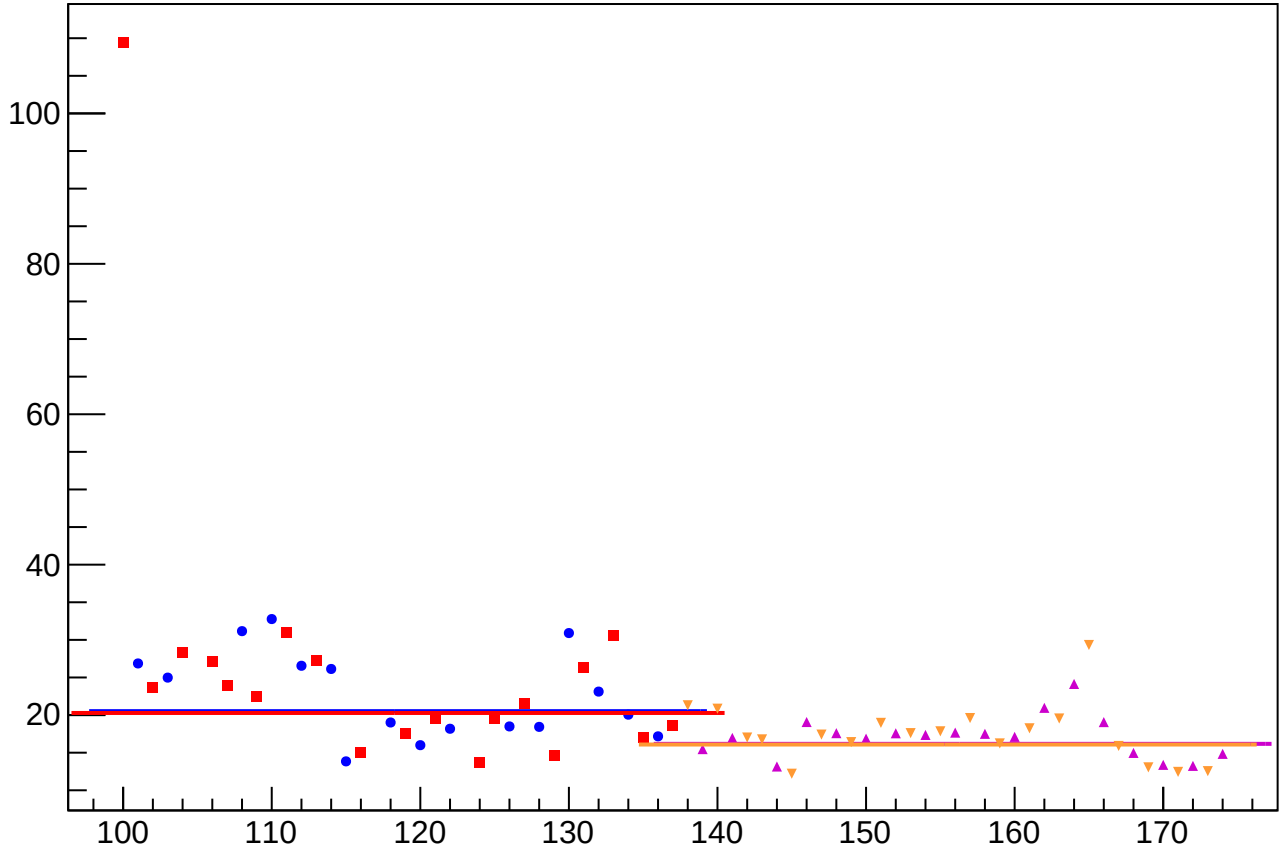
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.1/33

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.001+/-0.003 χ^2/NDF: 80.3/71

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107512.1/18

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.175+/-0.003 χ^2/NDF:580900.5/17

Left: 16.129+/-0.002 χ^2/NDF: 1688850.3/36

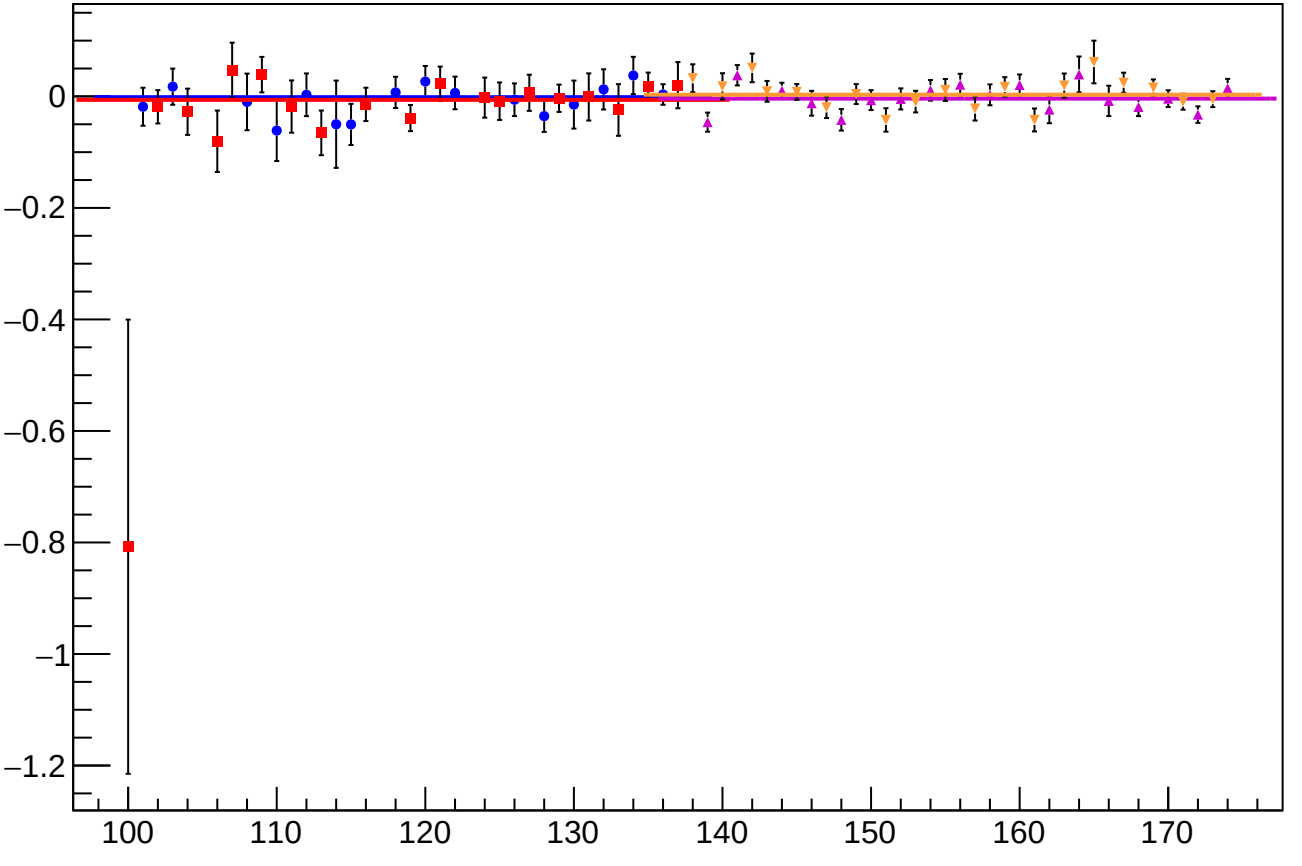
Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.148+/-0.003 χ^2/NDF:1738072.7/33

Out: 17.043+/-0.003 χ^2/NDF:2409054.3/37

All: 17.095+/-0.002 χ^2/NDF: 4147892.2/71

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.008 χ^2/NDF: 8.3/15

Left Out: 0.003+/-0.004 χ^2/NDF:25.2/18

Right Out: -0.006+/-0.008 χ^2/NDF: 16.2/18

Left In: -0.004+/-0.004 χ^2/NDF:28.8/17

Left: -0.000+/-0.003 χ^2/NDF: 55.3/36

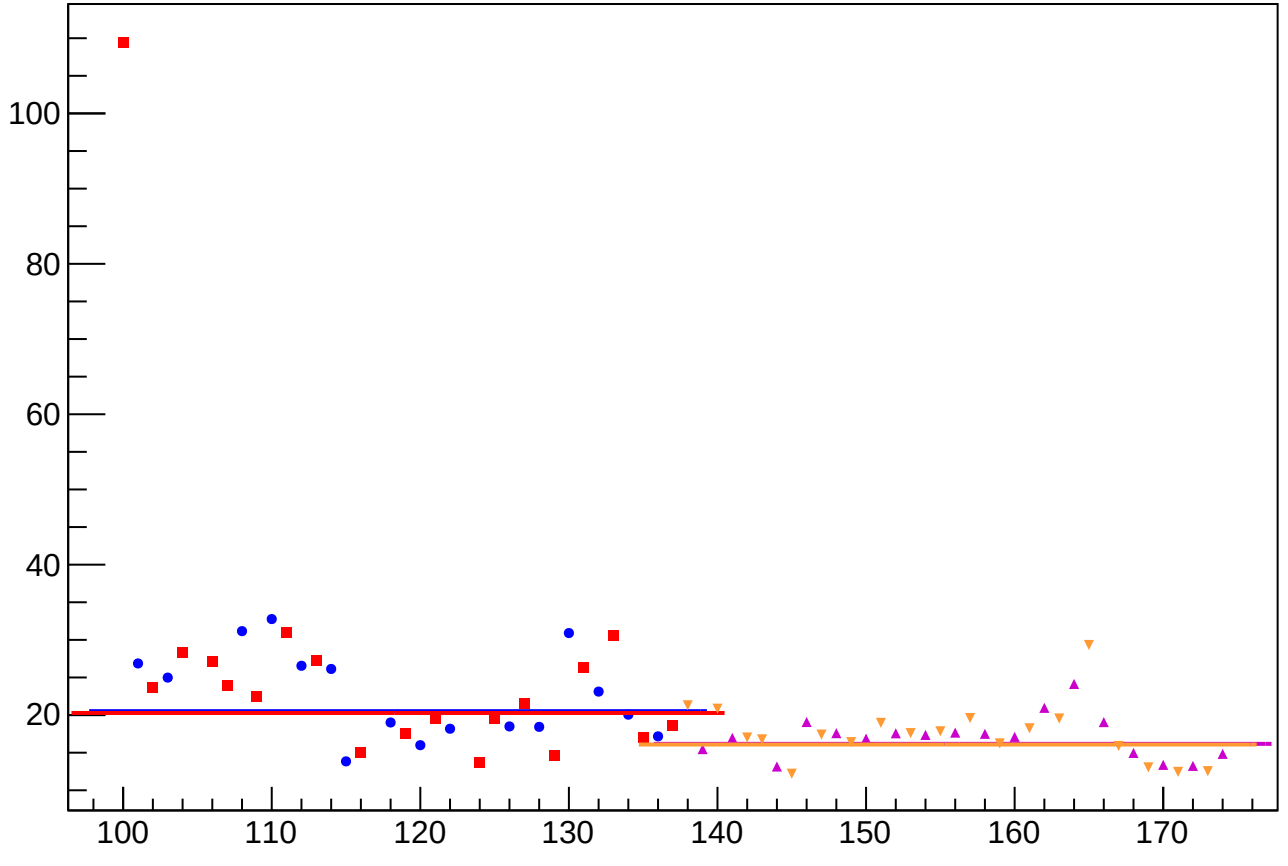
Right: -0.004+/-0.006 χ^2/NDF: 24.7/34

In: -0.003+/-0.004 χ^2/NDF:37.1/33

Out: 0.001+/-0.004 χ^2/NDF:42.5/37

All: -0.001+/-0.003 χ^2/NDF: 80.3/71

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.521+/-0.006 χ^2/NDF: 705877.0/15

Left Out: 16.084+/-0.003 χ^2/NDF:1107512.1/18

Right Out: 20.281+/-0.006 χ^2/NDF: 864361.2/18

Left In: 16.175+/-0.003 χ^2/NDF:580900.5/17

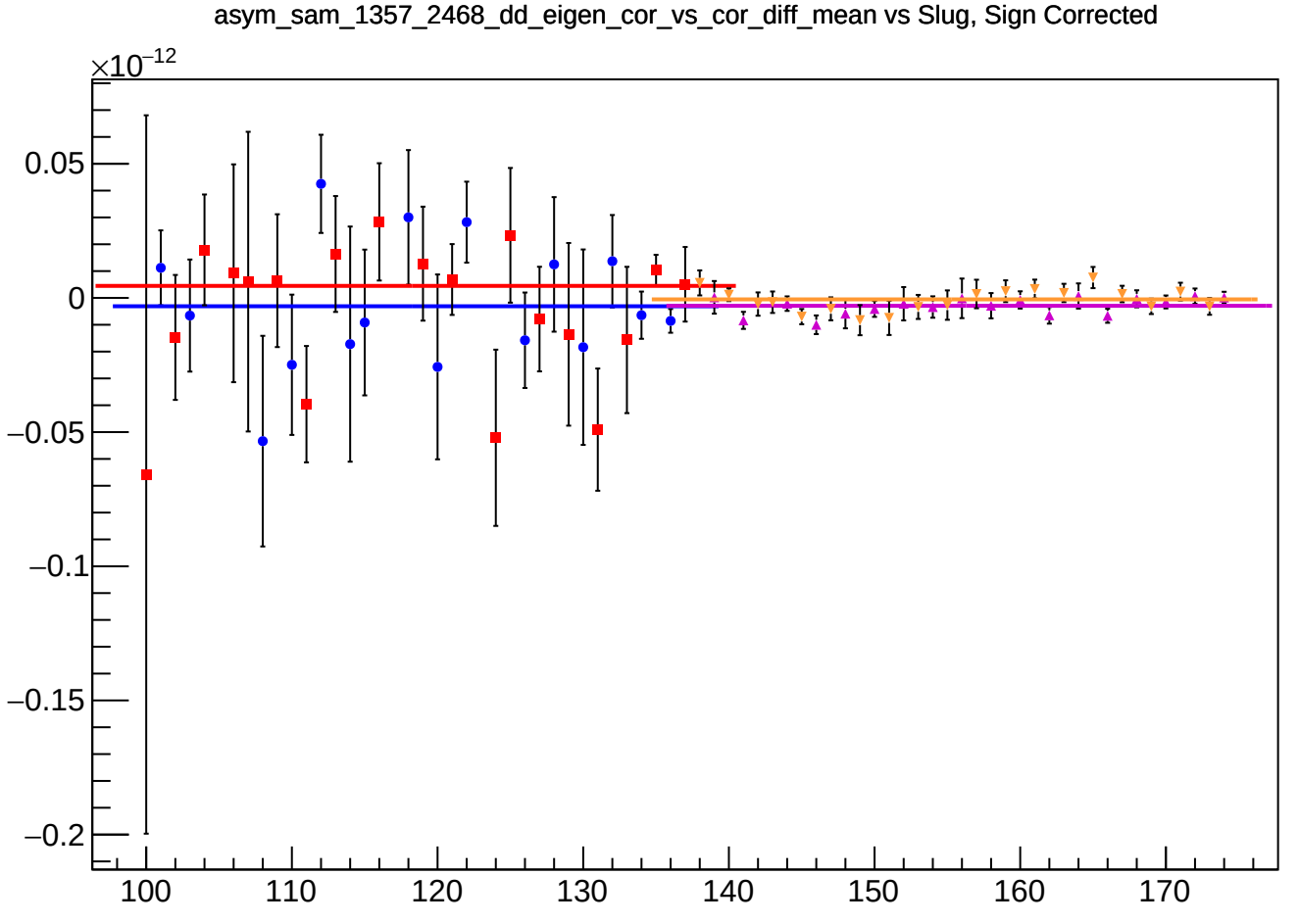
Left: 16.129+/-0.002 χ^2/NDF: 1688850.3/36

Right: 20.398+/-0.004 χ^2/NDF: 1571146.6/34

In: 17.148+/-0.003 χ^2/NDF:1738072.7/33

Out: 17.043+/-0.003 χ^2/NDF:2409054.3/37

All: 17.095+/-0.002 χ^2/NDF: 4147892.2/71



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/15

Left Out: -0.000+/-0.000 χ^2/NDF:21.3/18

Right Out: 0.000+/-0.000 χ^2/NDF: 18.6/18

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

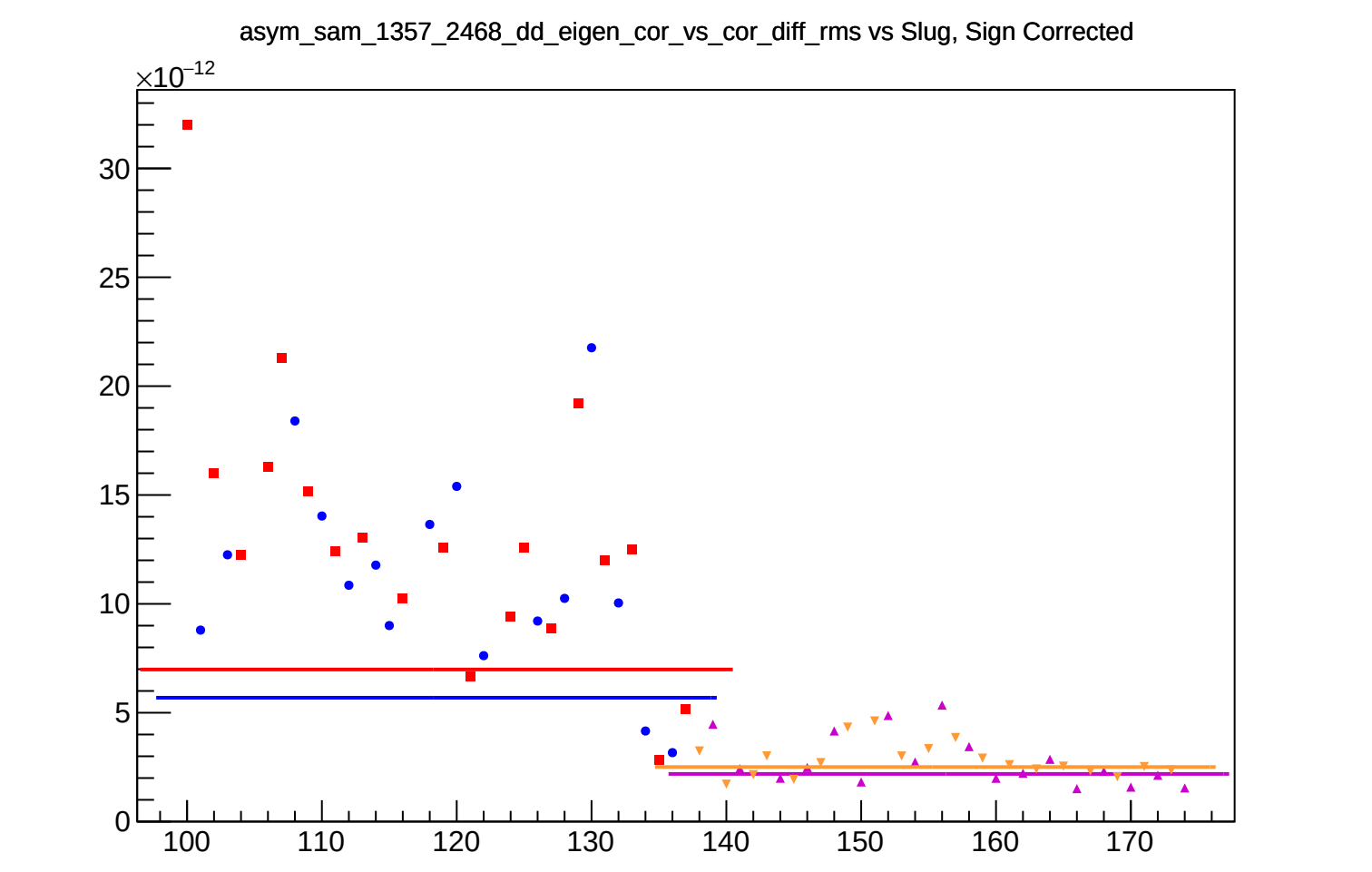
Left: -0.000+/-0.000 χ^2/NDF: 42.8/36

Right: 0.000+/-0.000 χ^2/NDF: 40.8/34

In: -0.000+/-0.000 χ^2/NDF:37.1/33

Out: -0.000+/-0.000 χ^2/NDF:41.5/37

All: -0.000+/-0.000 χ^2/NDF: 84.2/71



Right In: 0.000+/-0.000 χ^2/NDF: 2705902.9/15

Left Out: 0.000+/-0.000 χ^2/NDF:1119875.4/18

Right Out: 0.000+/-0.000 χ^2/NDF: 3108073.7/18

Left In: 0.000+/-0.000 χ^2/NDF:2023845.2/17

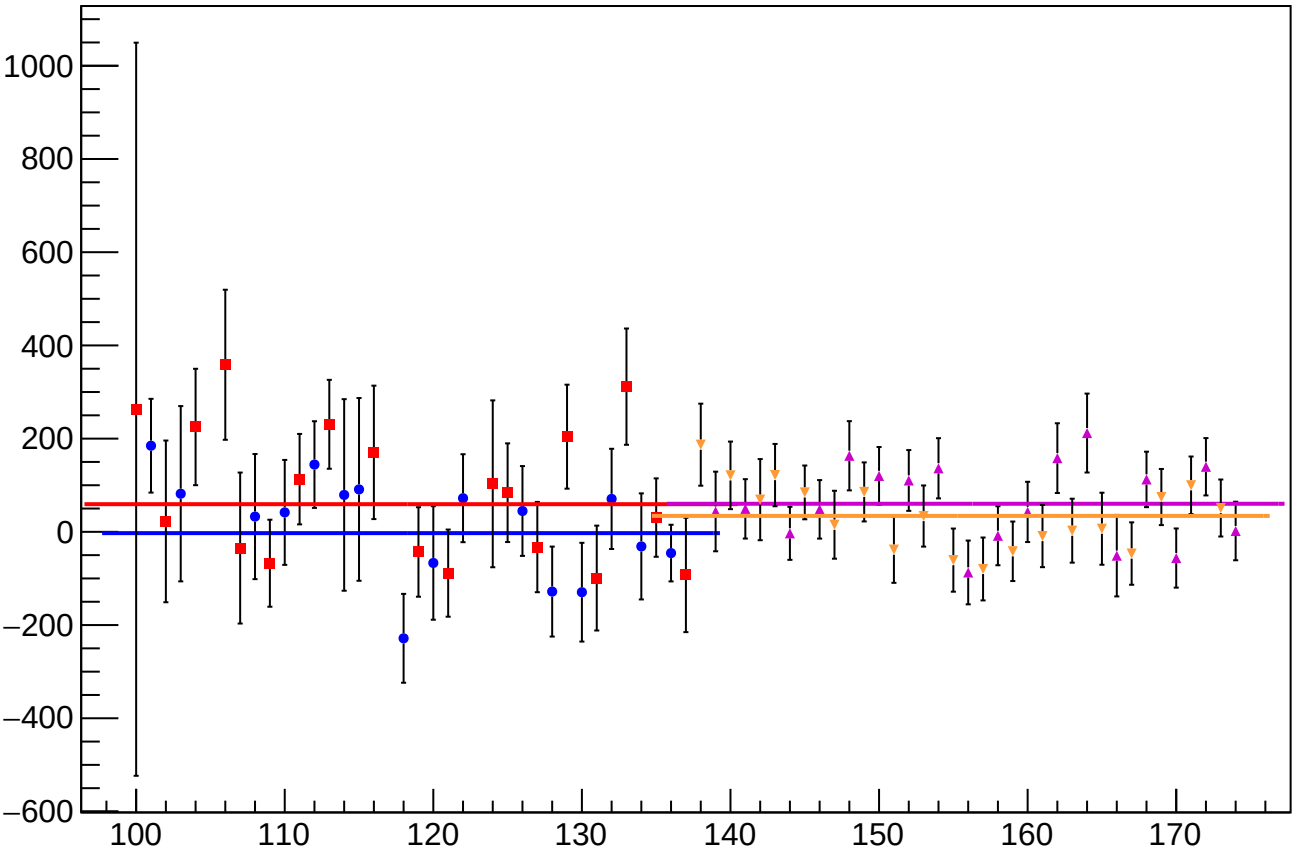
Left: 0.000+/-0.000 χ^2/NDF: 3296359.6/36

Right: 0.000+/-0.000 χ^2/NDF: 5945633.6/34

In: 0.000+/-0.000 χ^2/NDF:6914145.9/33

Out: 0.000+/-0.000 χ^2/NDF:6791728.7/37

All: 0.000+/-0.000 χ^2/NDF: 13881488.3/71



Right In: -2.766+/-26.213 χ^2/NDF: 17.7/15

Left Out: 34.225+/-15.507 χ^2/NDF:19.0/18

Right Out: 59.349+/-26.382 χ^2/NDF: 25.7/18

Left In: 60.237+/-15.690 χ^2/NDF:25.3/17

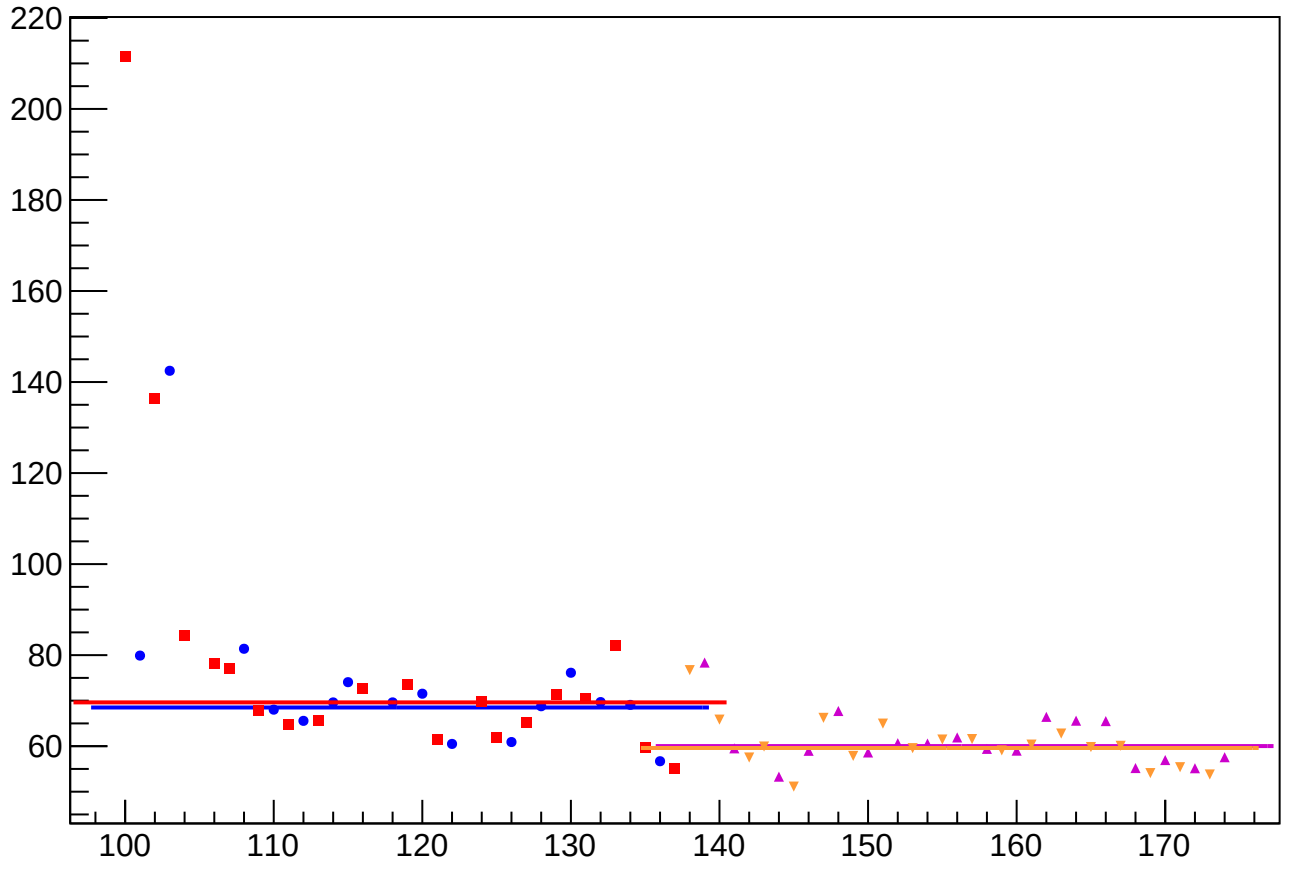
Left: 47.078+/-11.029 χ^2/NDF: 45.6/36

Right: 28.091+/-18.595 χ^2/NDF: 46.2/34

In: 43.619+/-13.462 χ^2/NDF:47.2/33

Out: 40.676+/-13.369 χ^2/NDF:45.3/37

All: 42.137+/-9.486 χ^2/NDF: 92.6/71



Right In: 68.499+/-0.019 χ^2/NDF: 471865.0/15

Left Out: 59.602+/-0.011 χ^2/NDF:216376.4/18

Right Out: 69.620+/-0.019 χ^2/NDF: 520403.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

Left: 59.809+/-0.008 χ^2/NDF: 427744.9/36

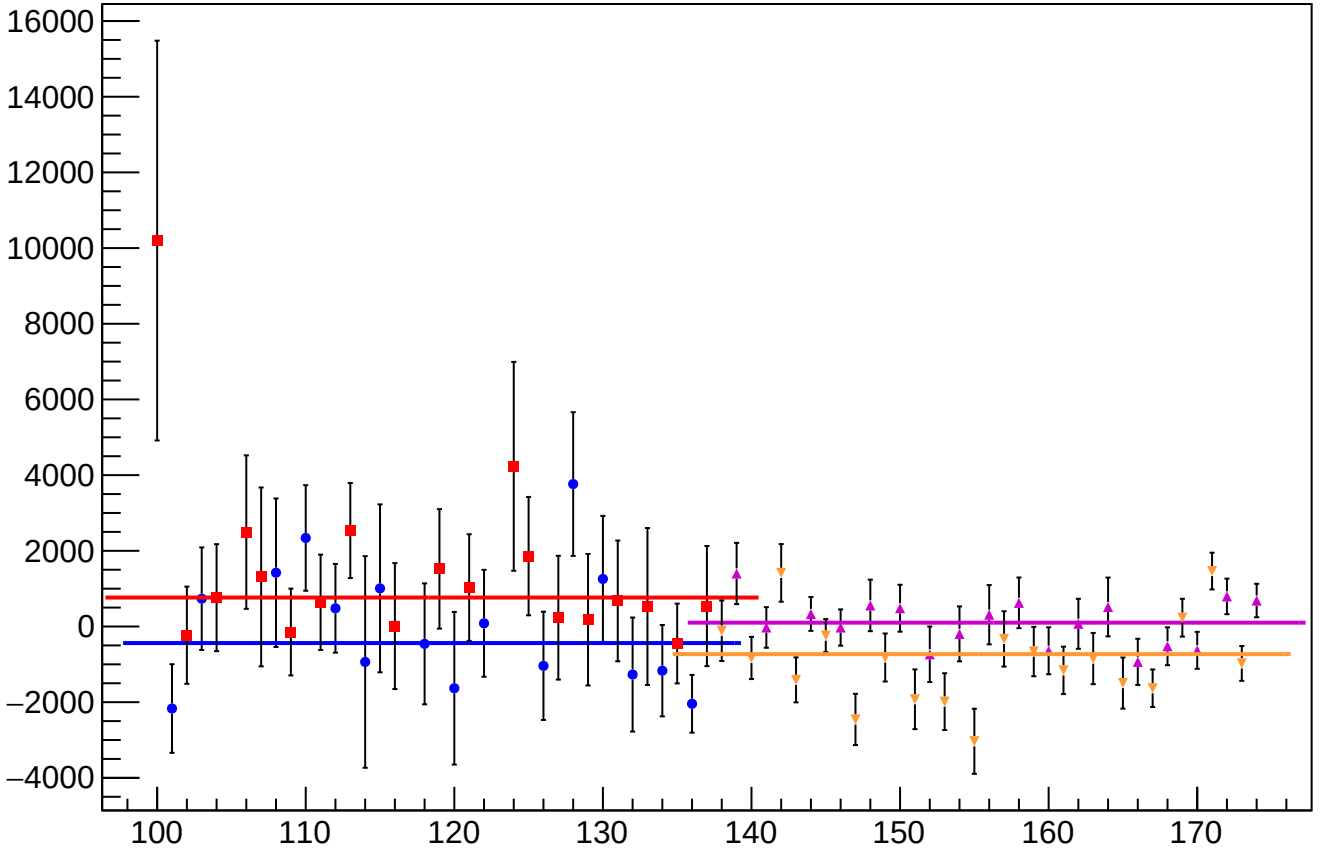
Right: 69.056+/-0.013 χ^2/NDF: 994086.4/34

In: 62.257+/-0.010 χ^2/NDF:836522.2/33

Out: 62.174+/-0.009 χ^2/NDF:951113.9/37

All: 62.215+/-0.007 χ^2/NDF: 1787674.5/71

asym_sam_12345678_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -437.444+/-348.880 χ^2/NDF: 20.6/15

Left Out: -730.527+/-138.444 χ^2/NDF:59.8/18

Right Out: 765.341+/-353.052 χ^2/NDF: 11.3/18

Left In: 101.212+/-136.328 χ^2/NDF:18.3/17

Left: -308.252+/-97.138 χ^2/NDF: 96.4/36

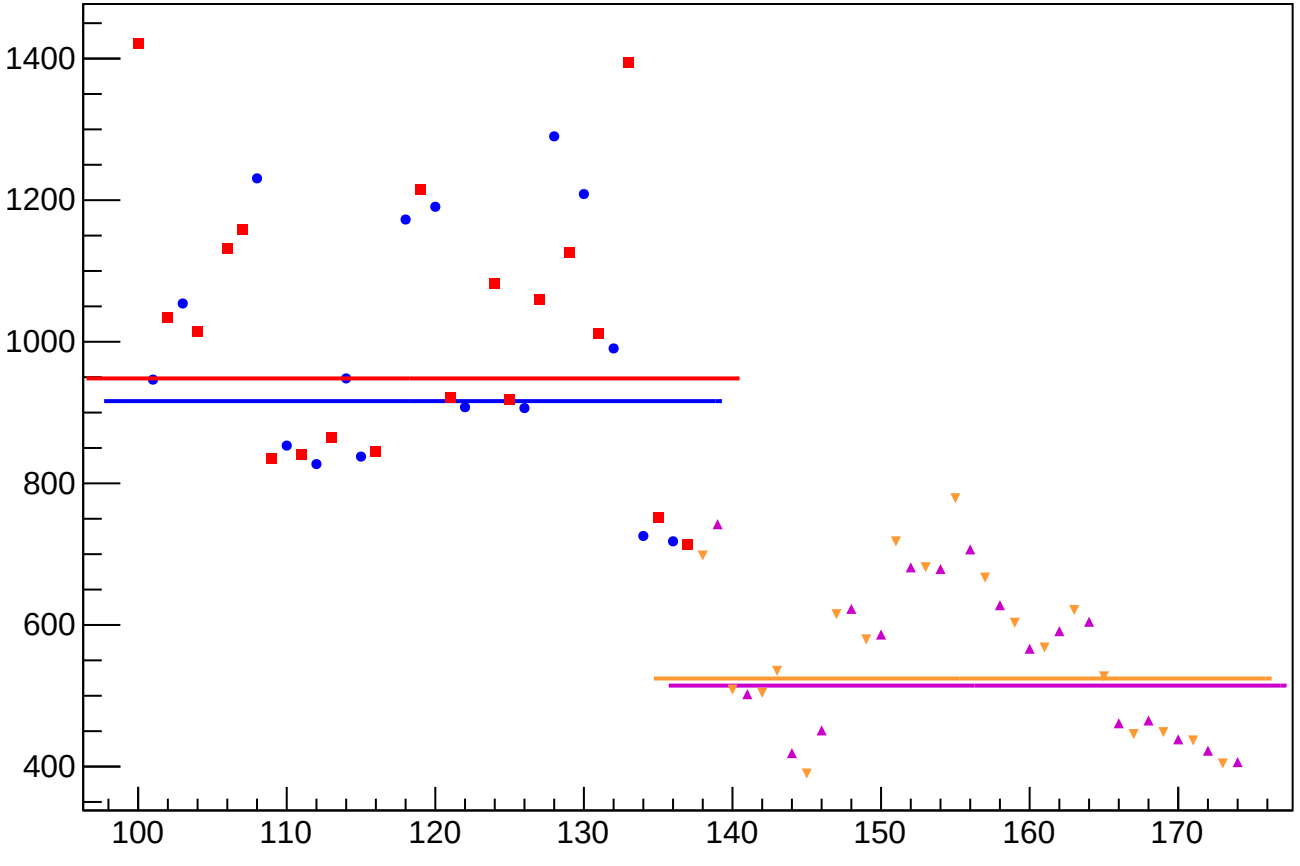
Right: 156.799+/-248.157 χ^2/NDF: 37.7/34

In: 29.859+/-126.978 χ^2/NDF:40.9/33

Out: -531.165+/-128.888 χ^2/NDF:86.7/37

All: -246.464+/-90.455 χ^2/NDF: 137.2/71

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 916.171+/-0.247 χ^2/NDF: 509126.4/15

Left Out: 524.374+/-0.098 χ^2/NDF:1175088.9/18

Right Out: 948.235+/-0.250 χ^2/NDF: 415192.3/18

Left In: 514.368+/-0.096 χ^2/NDF:1095405.5/17

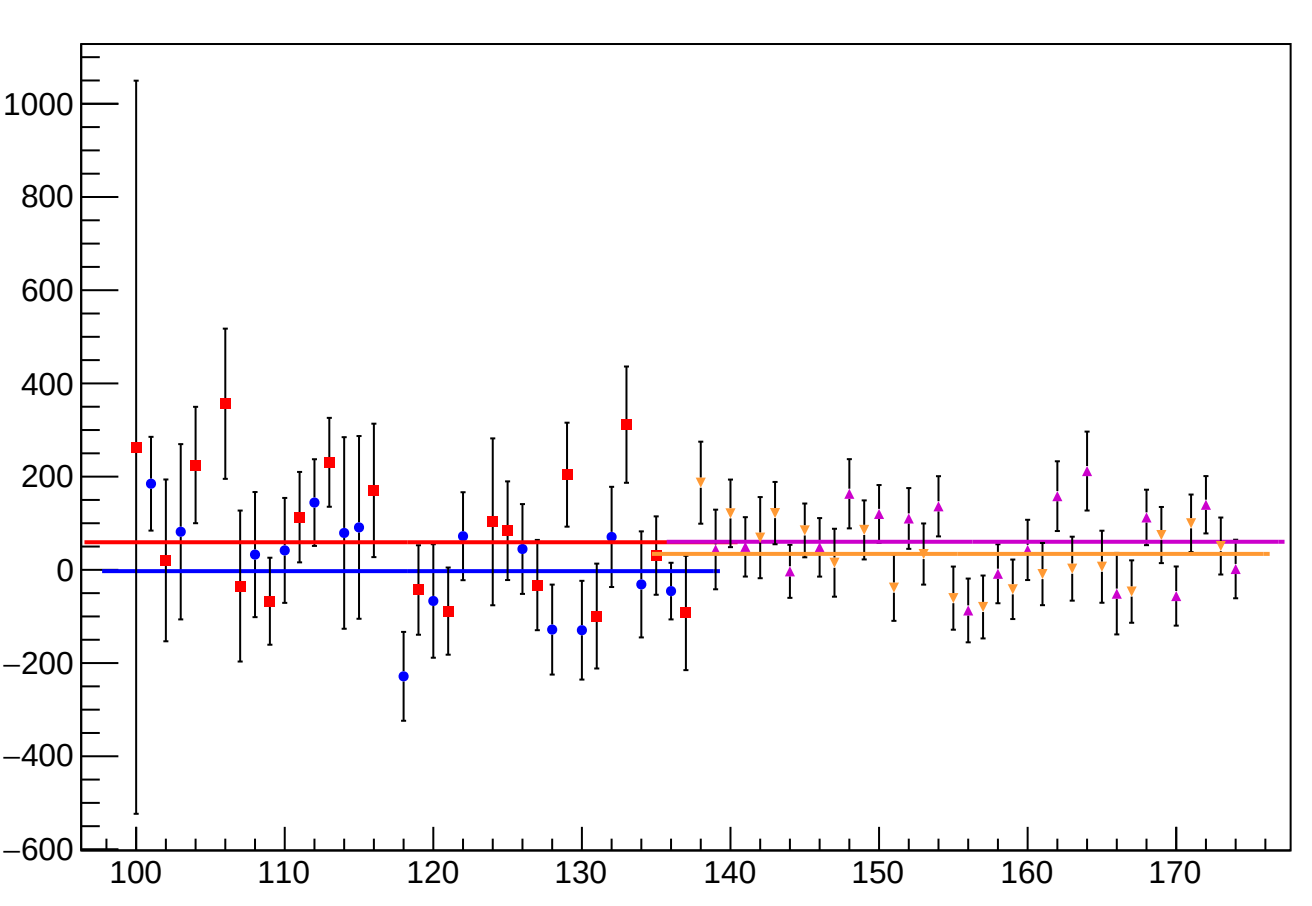
Left: 519.294+/-0.069 χ^2/NDF: 2275798.3/36

Right: 932.012+/-0.175 χ^2/NDF: 932665.3/34

In: 567.593+/-0.090 χ^2/NDF:3905923.6/33

Out: 580.864+/-0.091 χ^2/NDF:4088792.4/37

All: 574.130+/-0.064 χ^2/NDF: 8005476.3/71



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 34.227+/-15.507 χ^2/NDF:19.0/18

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.235+/-15.690 χ^2/NDF:25.3/17

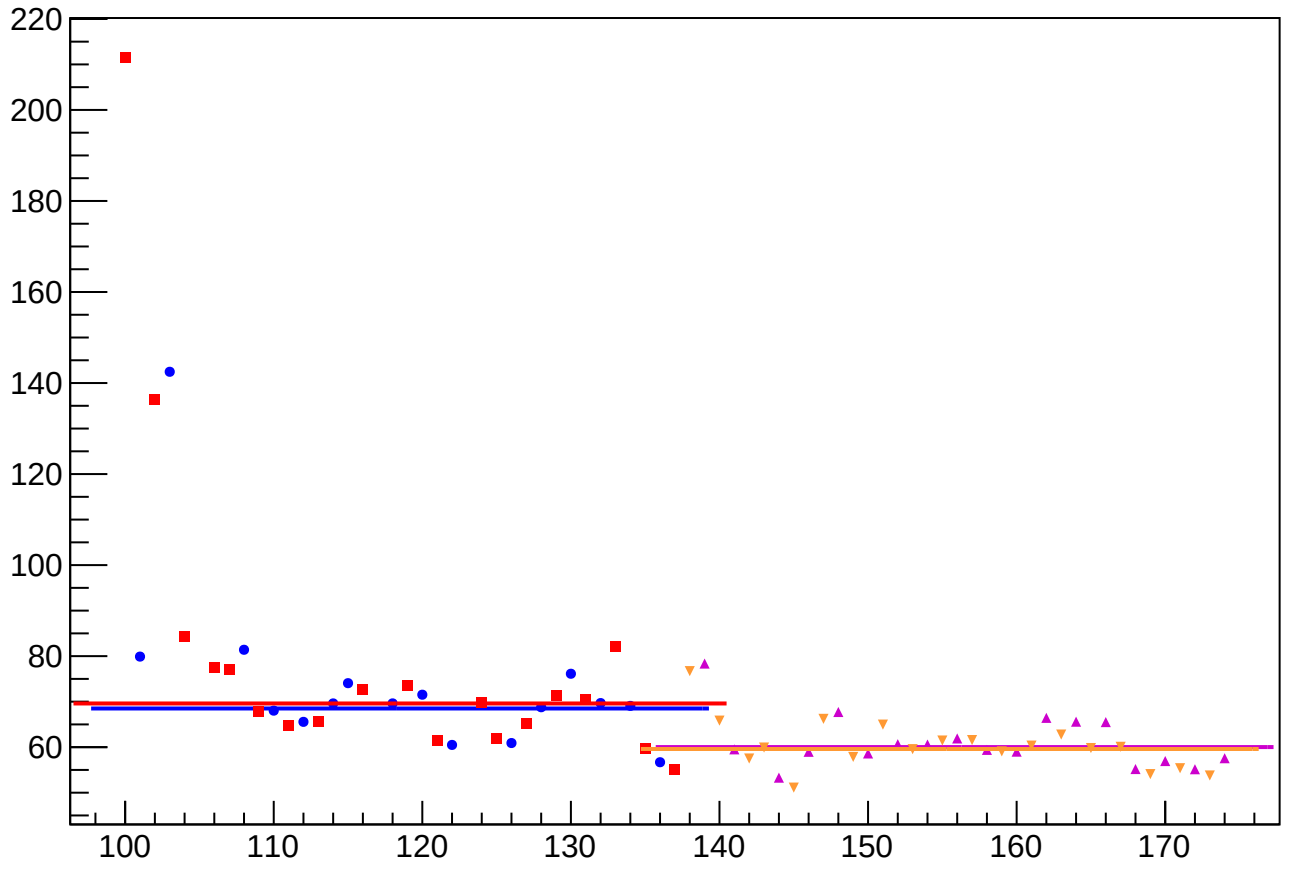
Left: 47.079+/-11.029 χ^2/NDF: 45.6/36

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.616+/-13.462 χ^2/NDF:47.2/33

Out: 40.645+/-13.369 χ^2/NDF:45.3/37

All: 42.120+/-9.486 χ^2/NDF: 92.5/71



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.602+/-0.011 χ^2/NDF:216376.4/18

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

Left: 59.809+/-0.008 χ^2/NDF: 427744.9/36

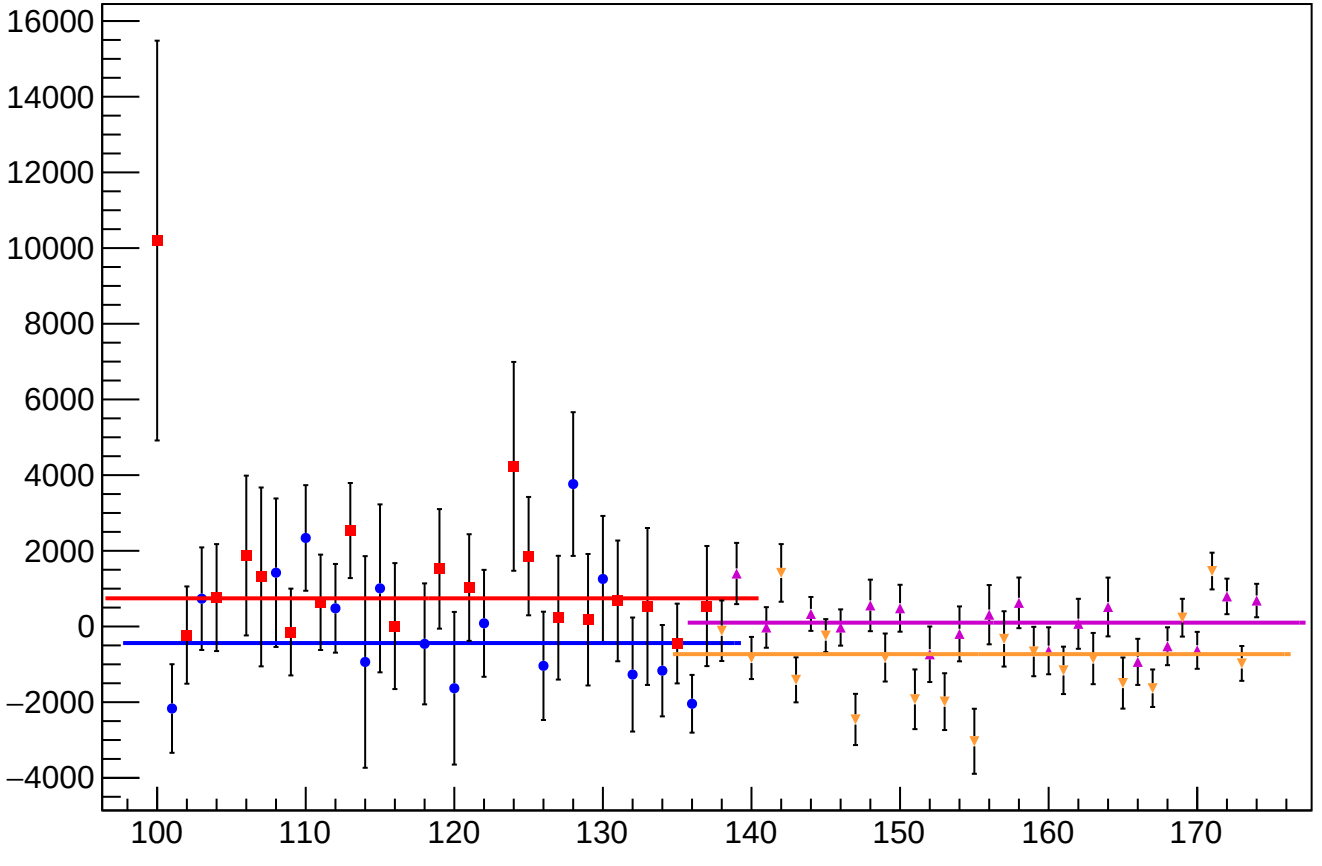
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.257+/-0.010 χ^2/NDF:836525.1/33

Out: 62.169+/-0.009 χ^2/NDF:949663.0/37

All: 62.213+/-0.007 χ^2/NDF: 1786231.3/71

asym_sam_12345678_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -730.523+/-138.444 χ^2/NDF:59.8/18

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 101.213+/-136.328 χ^2/NDF:18.3/17

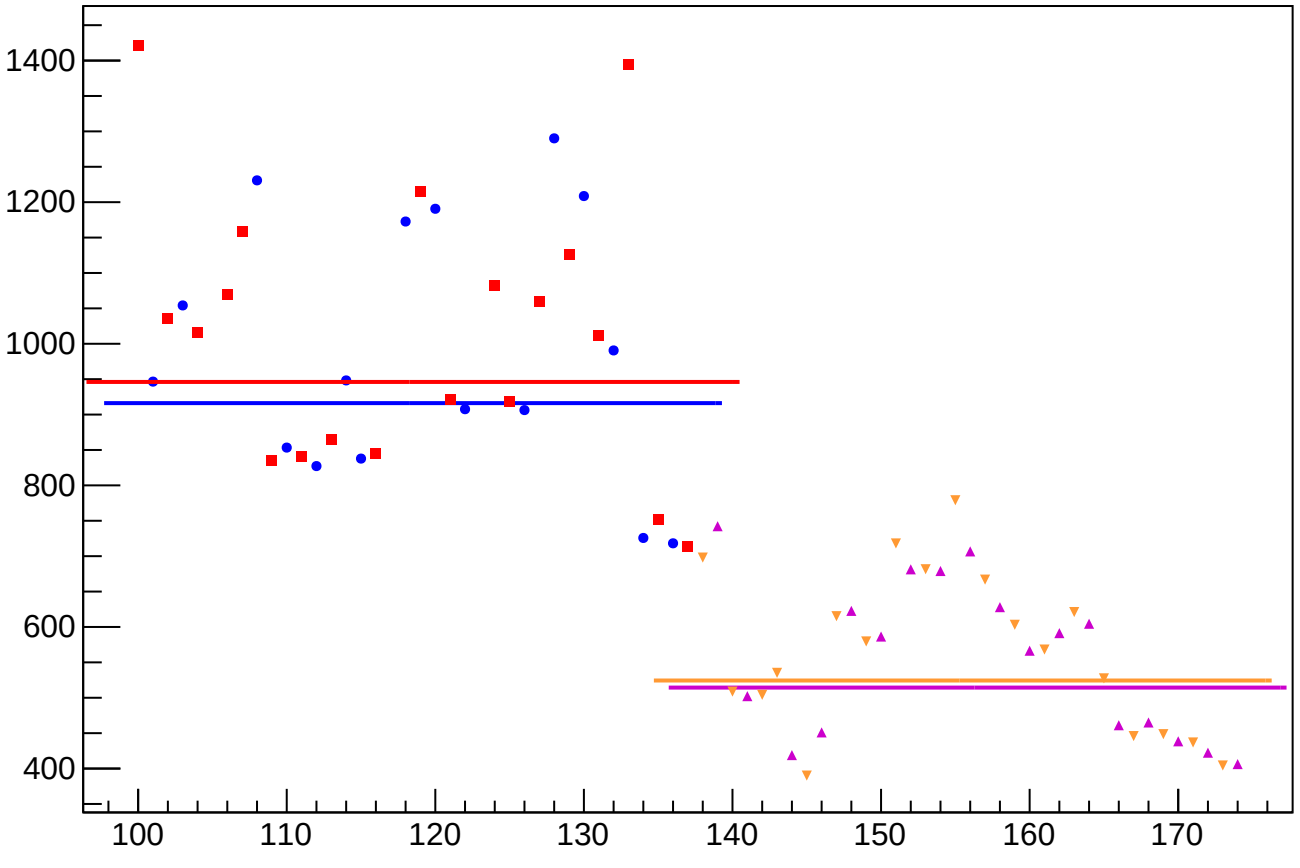
Left: -308.250+/-97.138 χ^2/NDF: 96.4/36

Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 29.864+/-126.978 χ^2/NDF:40.9/33

Out: -534.374+/-128.909 χ^2/NDF:85.7/37

All: -247.996+/-90.462 χ^2/NDF: 136.4/71



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 524.374+/-0.098 χ^2/NDF:1175092.5/18

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

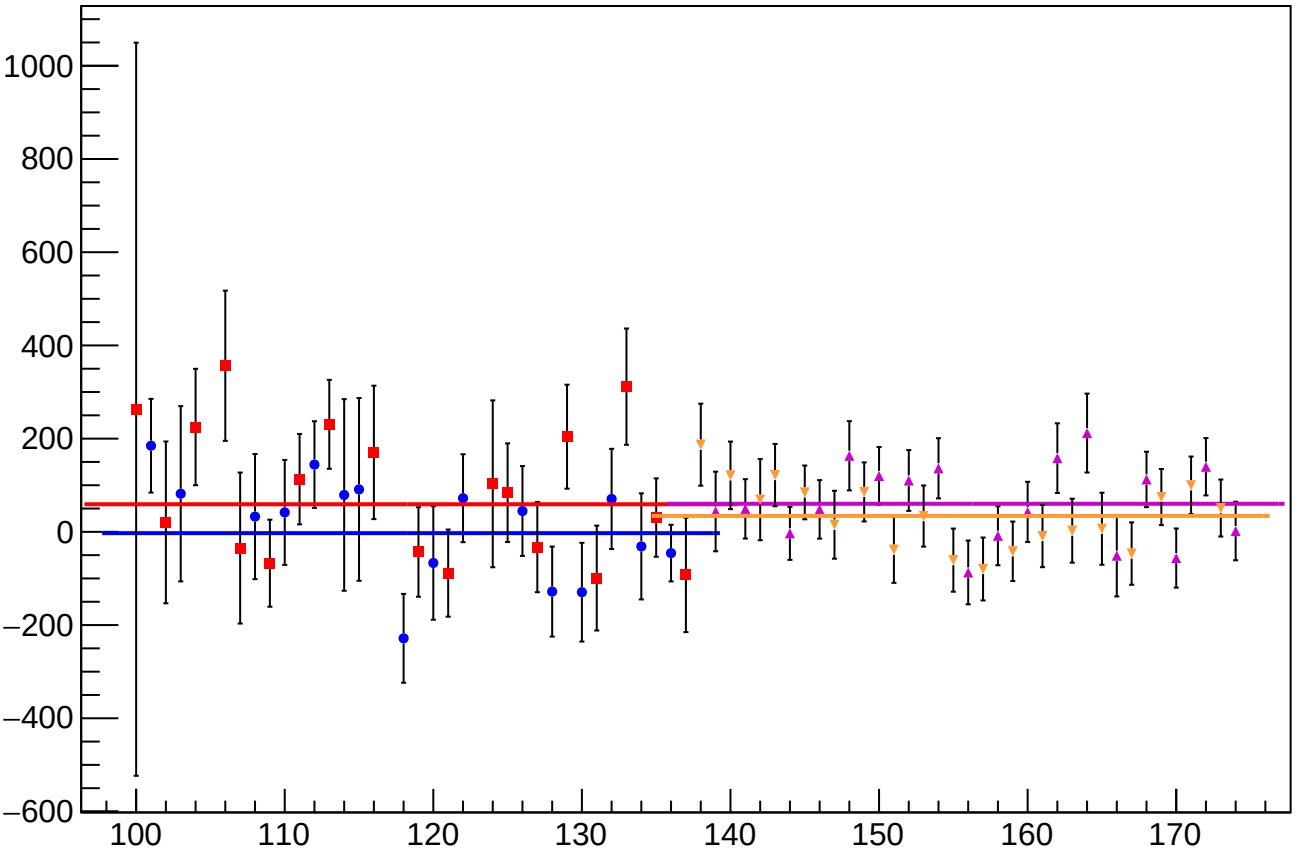
Left: 519.294+/-0.069 χ^2/NDF: 2275800.7/36

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 567.593+/-0.090 χ^2/NDF:3905968.2/33

Out: 580.458+/-0.091 χ^2/NDF:4048535.0/37

All: 573.929+/-0.064 χ^2/NDF: 7964613.5/71



Right In: -2.773+/-26.213 χ^2/NDF: 17.7/15

Left Out: 34.227+/-15.507 χ^2/NDF:19.0/18

Right Out: 59.226+/-26.384 χ^2/NDF: 25.7/18

Left In: 60.235+/-15.690 χ^2/NDF:25.3/17

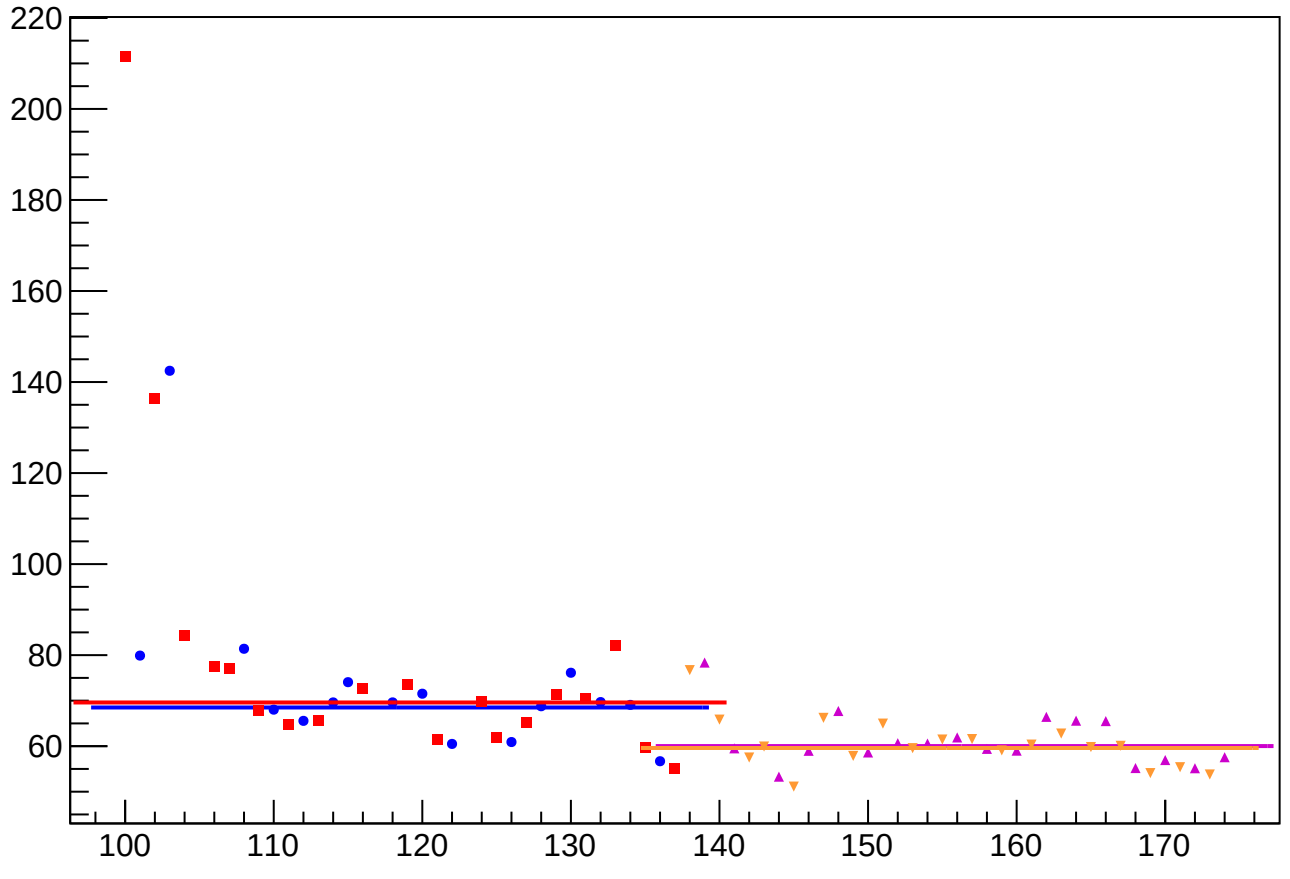
Left: 47.079+/-11.029 χ^2/NDF: 45.6/36

Right: 28.026+/-18.595 χ^2/NDF: 46.1/34

In: 43.616+/-13.462 χ^2/NDF:47.2/33

Out: 40.645+/-13.369 χ^2/NDF:45.3/37

All: 42.120+/-9.486 χ^2/NDF: 92.5/71



Right In: 68.499+/-0.019 χ^2/NDF: 471868.0/15

Left Out: 59.602+/-0.011 χ^2/NDF:216376.4/18

Right Out: 69.600+/-0.019 χ^2/NDF: 519788.9/18

Left In: 60.021+/-0.011 χ^2/NDF:210645.7/17

Left: 59.809+/-0.008 χ^2/NDF: 427744.9/36

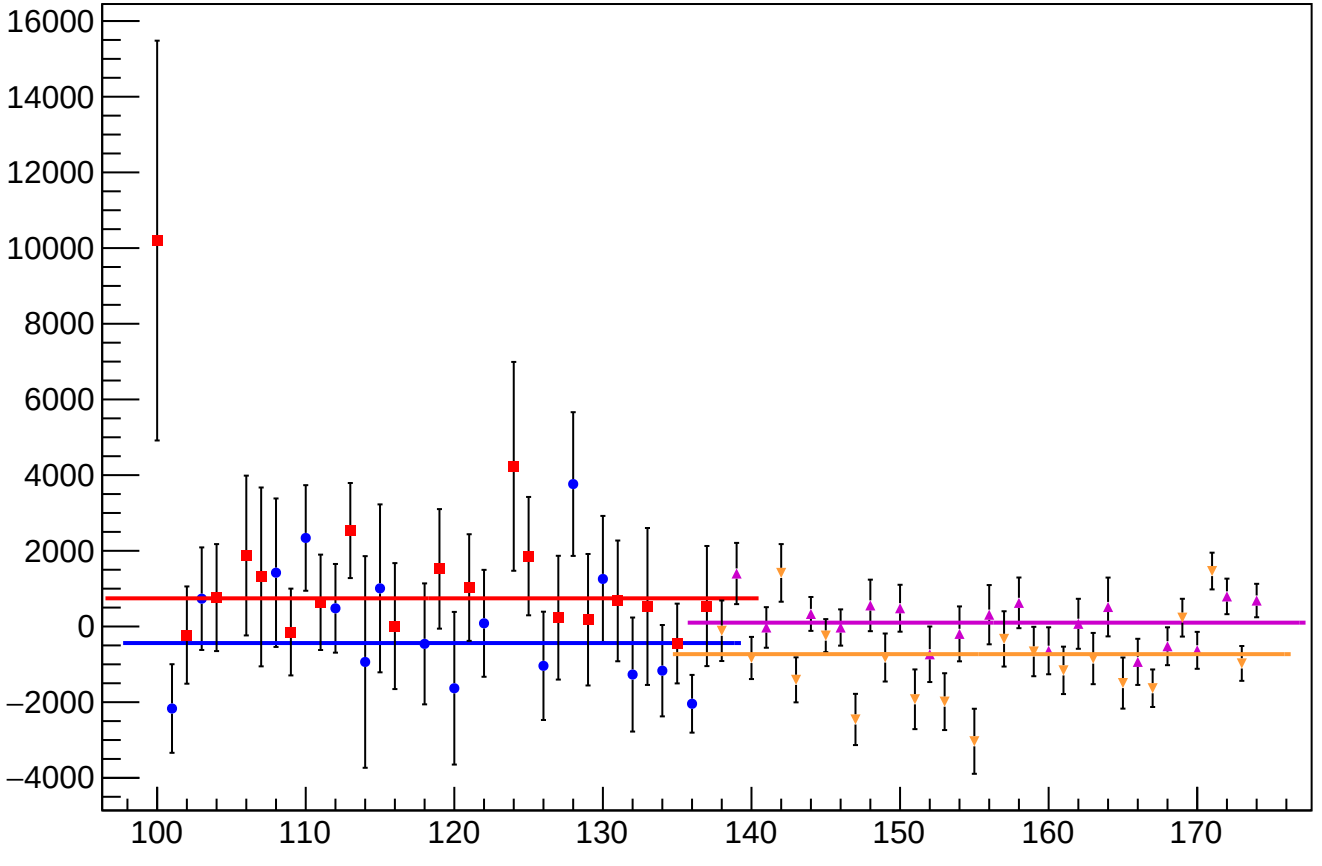
Right: 69.046+/-0.013 χ^2/NDF: 993412.6/34

In: 62.257+/-0.010 χ^2/NDF:836525.1/33

Out: 62.169+/-0.009 χ^2/NDF:949663.0/37

All: 62.213+/-0.007 χ^2/NDF: 1786231.3/71

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -437.415+/-348.881 χ^2/NDF: 20.6/15

Left Out: -730.523+/-138.444 χ^2/NDF:59.8/18

Right Out: 744.388+/-353.488 χ^2/NDF: 10.9/18

Left In: 101.213+/-136.328 χ^2/NDF:18.3/17

Left: -308.250+/-97.138 χ^2/NDF: 96.4/36

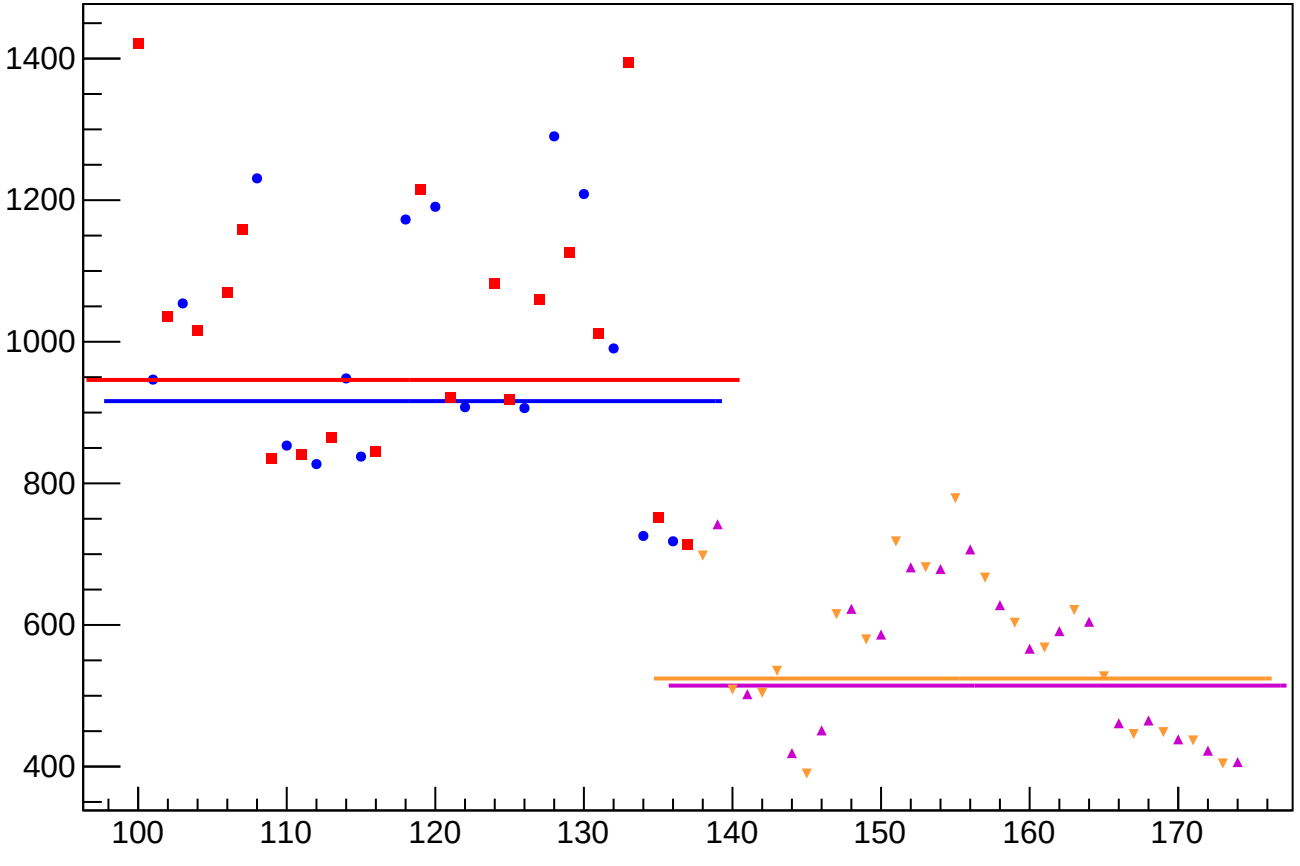
Right: 145.736+/-248.309 χ^2/NDF: 37.1/34

In: 29.864+/-126.978 χ^2/NDF:40.9/33

Out: -534.374+/-128.909 χ^2/NDF:85.7/37

All: -247.996+/-90.462 χ^2/NDF: 136.4/71

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 916.174+/-0.247 χ^2/NDF: 509149.2/15

Left Out: 524.374+/-0.098 χ^2/NDF:1175092.5/18

Right Out: 946.093+/-0.250 χ^2/NDF: 405411.3/18

Left In: 514.368+/-0.096 χ^2/NDF:1095404.6/17

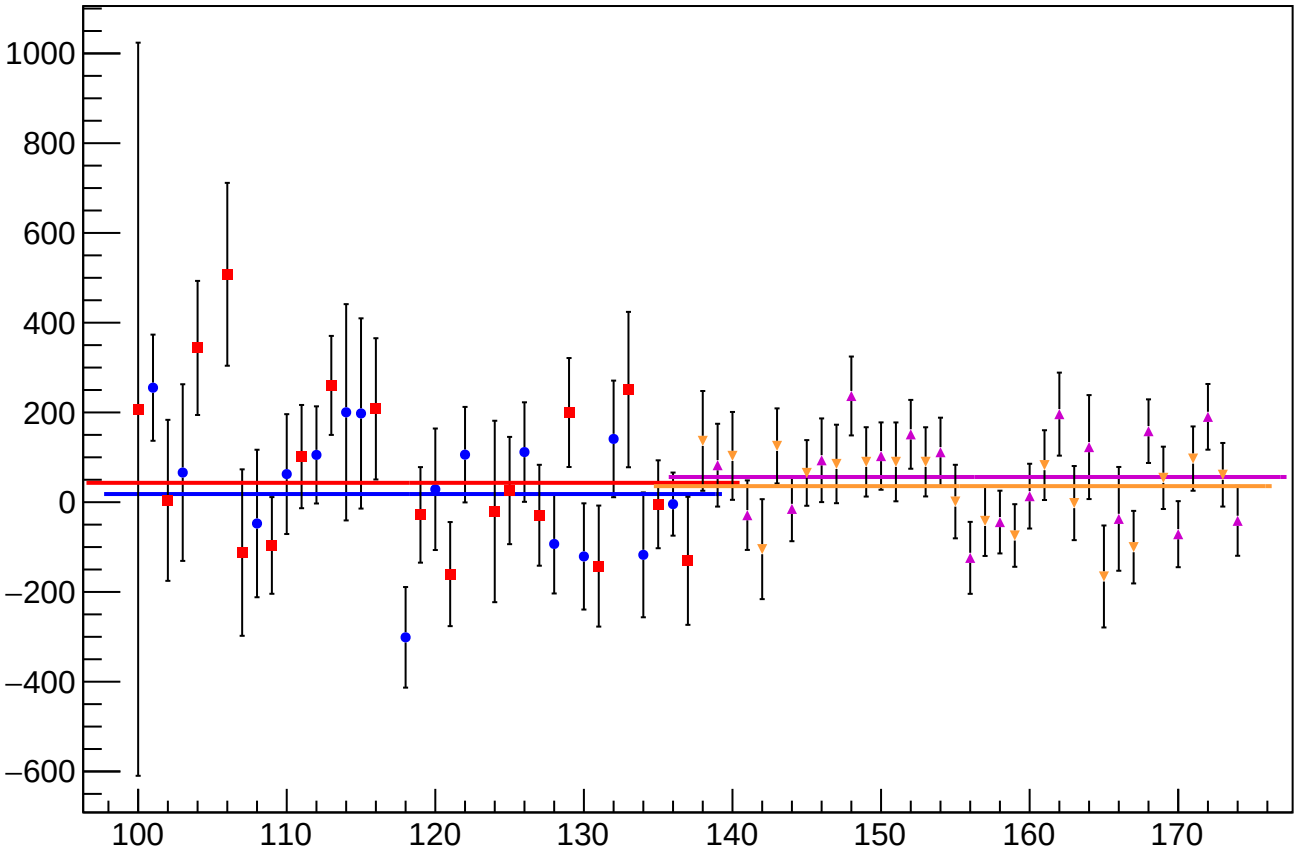
Left: 519.294+/-0.069 χ^2/NDF: 2275800.7/36

Right: 930.937+/-0.176 χ^2/NDF: 921817.9/34

In: 567.593+/-0.090 χ^2/NDF:3905968.2/33

Out: 580.458+/-0.091 χ^2/NDF:4048535.0/37

All: 573.929+/-0.064 χ^2/NDF: 7964613.5/71



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.790+/-18.718 χ^2/NDF:17.0/18

Right Out: 43.146+/-30.707 χ^2/NDF: 27.7/18

Left In: 56.158+/-18.929 χ^2/NDF:29.8/17

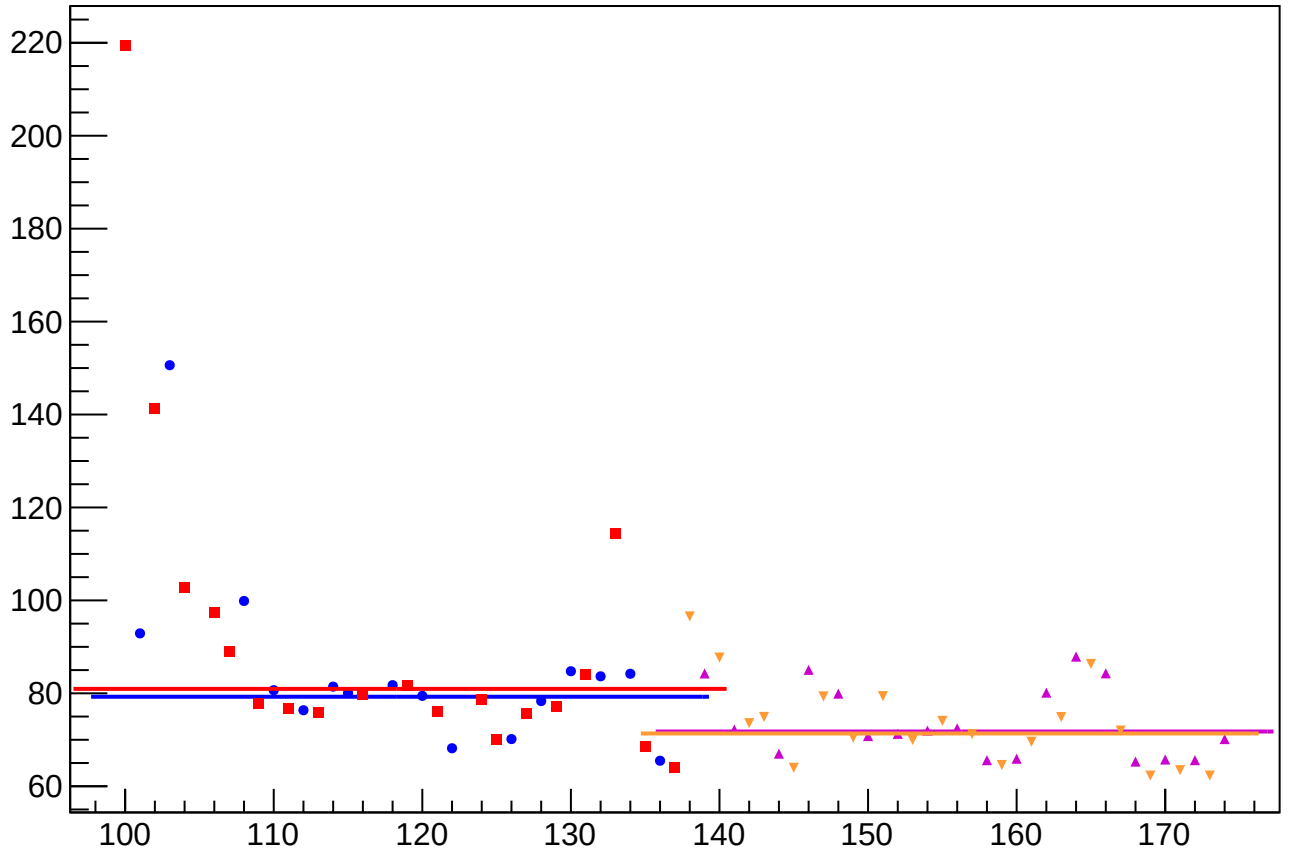
Left: 45.860+/-13.310 χ^2/NDF: 47.4/36

Right: 30.513+/-21.585 χ^2/NDF: 48.2/34

In: 45.519+/-16.061 χ^2/NDF:51.1/33

Out: 37.783+/-15.983 χ^2/NDF:44.8/37

All: 41.632+/-11.329 χ^2/NDF: 96.0/71



Right In: 79.263+/-0.021 χ^2/NDF: 444951.1/15

Left Out: 71.355+/-0.013 χ^2/NDF:369079.1/18

Right Out: 80.958+/-0.022 χ^2/NDF: 514182.4/18

Left In: 71.781+/-0.013 χ^2/NDF:256149.9/17

Left: 71.566+/-0.009 χ^2/NDF: 625741.2/36

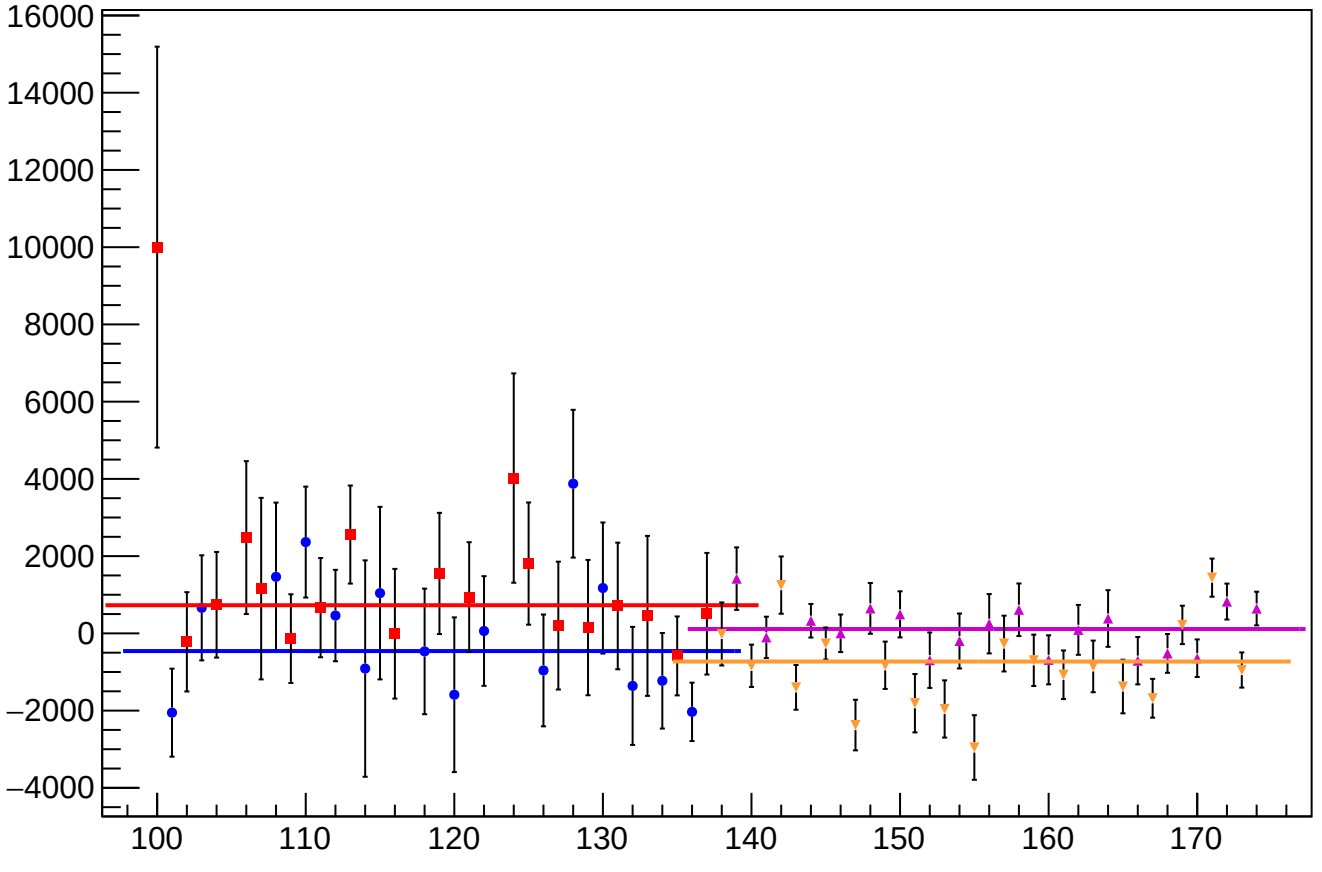
Right: 80.101+/-0.015 χ^2/NDF: 962217.4/34

In: 73.877+/-0.011 χ^2/NDF:788618.5/33

Out: 73.957+/-0.011 χ^2/NDF:1025870.4/37

All: 73.917+/-0.008 χ^2/NDF: 1814513.8/71

asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.108+/-350.075 χ^2/NDF: 20.3/15

Left Out: -729.130+/-136.858 χ^2/NDF:57.2/18

Right Out: 728.750+/-352.574 χ^2/NDF: 11.5/18

Left In: 112.772+/-135.008 χ^2/NDF:17.4/17

Left: -302.451+/-96.112 χ^2/NDF: 93.8/36

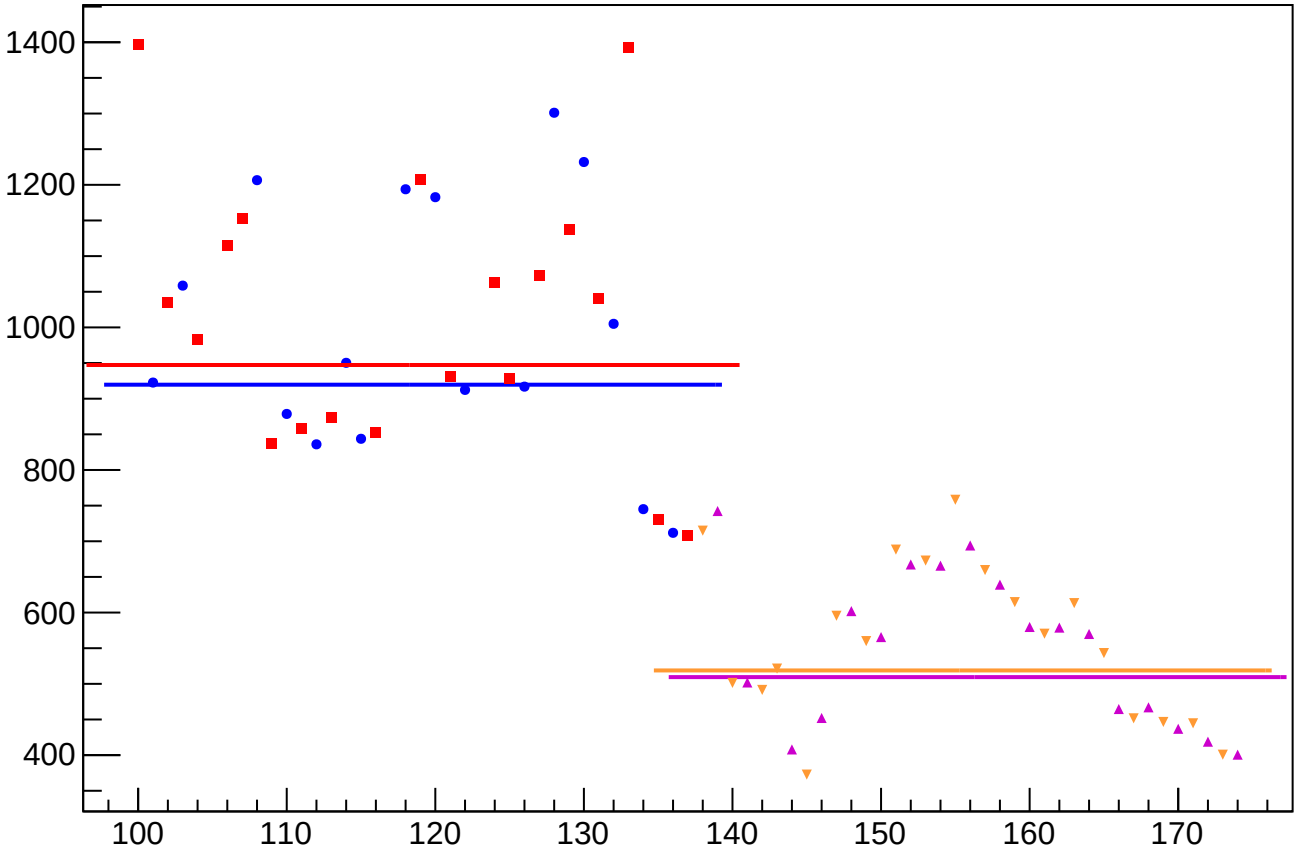
Right: 131.100+/-248.419 χ^2/NDF: 37.5/34

In: 38.859+/-125.965 χ^2/NDF:40.0/33

Out: -538.229+/-127.583 χ^2/NDF:83.5/37

All: -246.003+/-89.637 χ^2/NDF: 133.9/71

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.638+/-0.248 χ^2/NDF: 515443.8/15

Left Out: 518.804+/-0.097 χ^2/NDF:1186627.2/18

Right Out: 947.272+/-0.249 χ^2/NDF: 425563.8/18

Left In: 509.446+/-0.095 χ^2/NDF:1072116.7/17

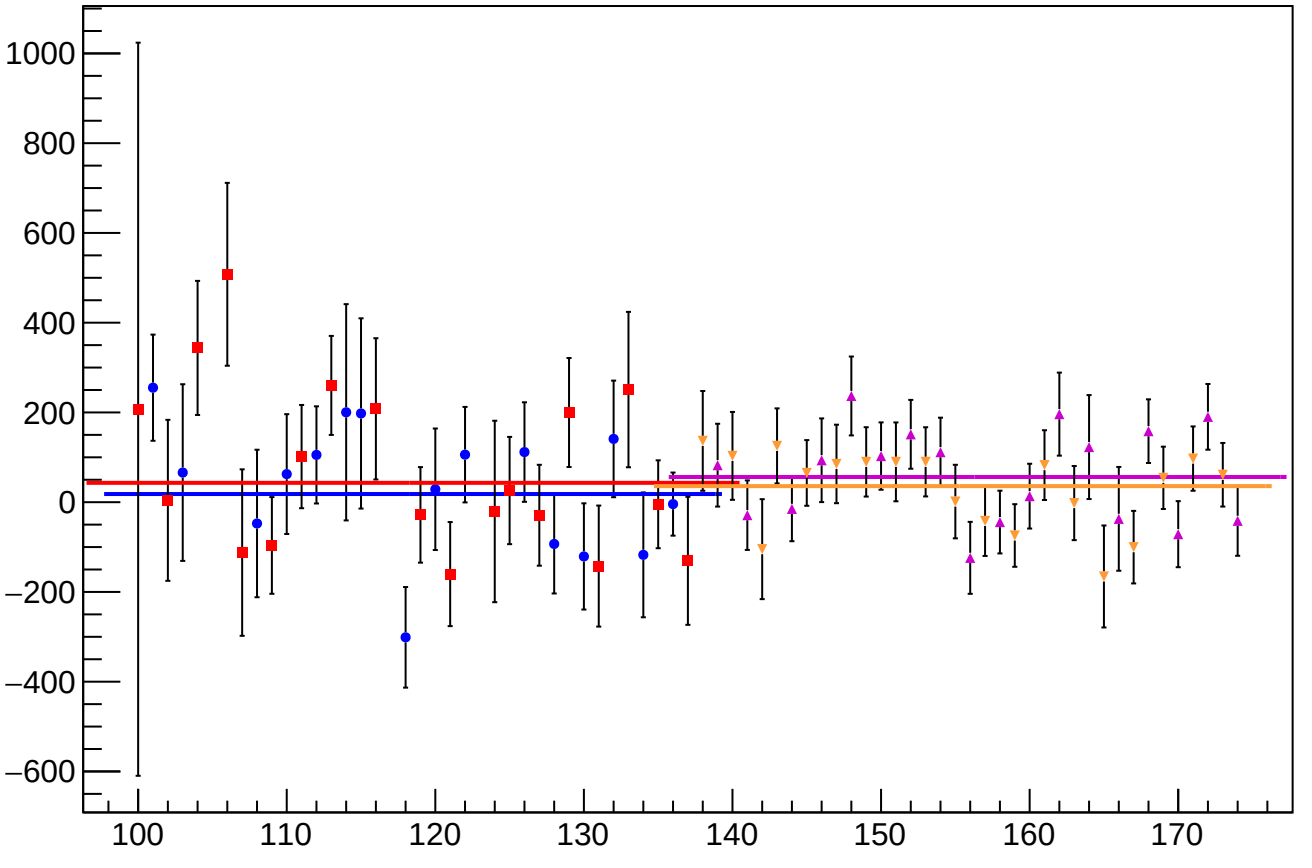
Left: 514.062+/-0.068 χ^2/NDF: 2263483.4/36

Right: 933.357+/-0.176 χ^2/NDF: 947194.3/34

In: 562.555+/-0.089 χ^2/NDF:3977930.3/33

Out: 574.910+/-0.090 χ^2/NDF:4179118.9/37

All: 568.654+/-0.063 χ^2/NDF: 8166546.5/71



Right In: 18.175+/-30.346 χ^2/NDF: 20.1/15

Left Out: 35.790+/-18.719 χ^2/NDF:17.0/18

Right Out: 43.144+/-30.707 χ^2/NDF: 27.7/18

Left In: 56.157+/-18.929 χ^2/NDF:29.8/17

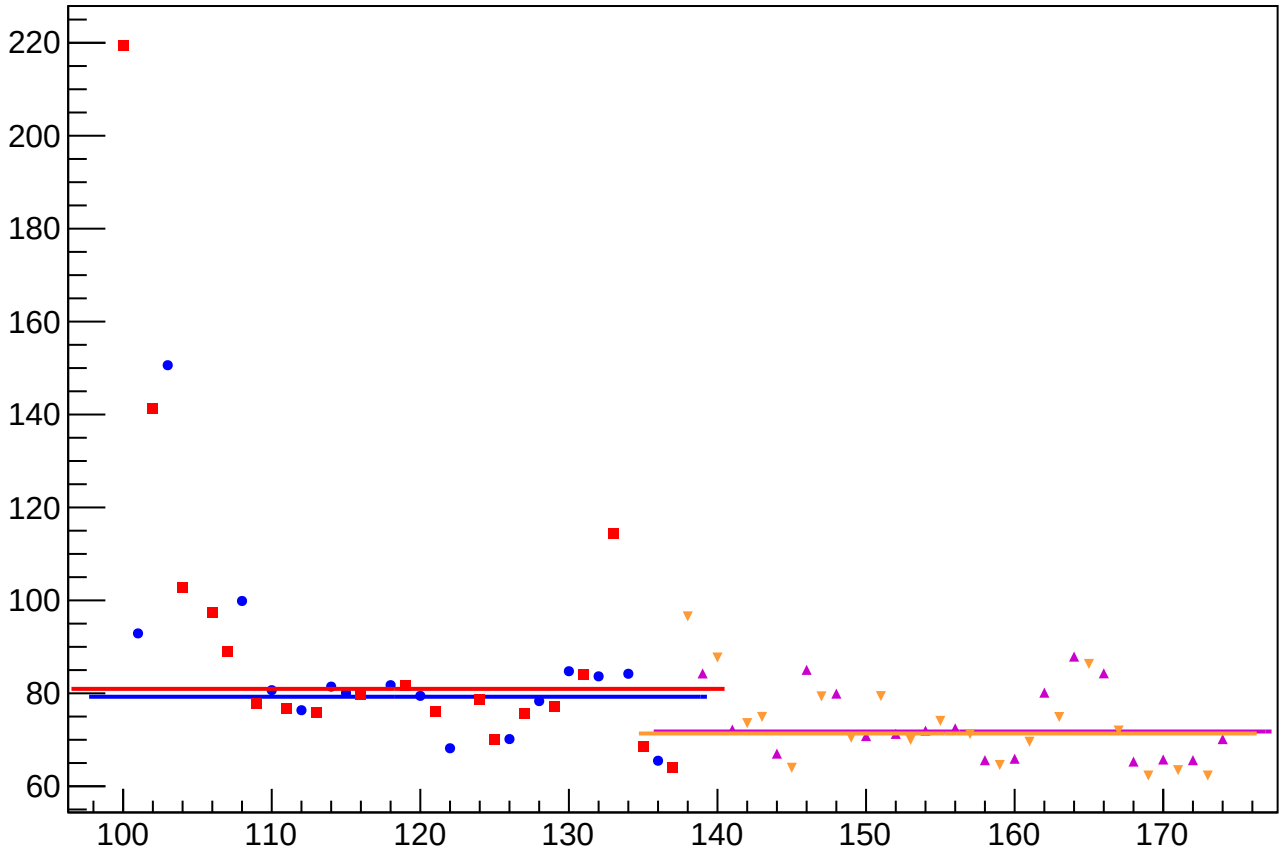
Left: 45.860+/-13.310 χ^2/NDF: 47.4/36

Right: 30.512+/-21.584 χ^2/NDF: 48.2/34

In: 45.518+/-16.061 χ^2/NDF:51.1/33

Out: 37.782+/-15.983 χ^2/NDF:44.8/37

All: 41.631+/-11.329 χ^2/NDF: 96.0/71



Right In: 79.263+/-0.021 χ^2/NDF: 444948.4/15

Left Out: 71.356+/-0.013 χ^2/NDF:369078.0/18

Right Out: 80.958+/-0.022 χ^2/NDF: 514191.2/18

Left In: 71.782+/-0.013 χ^2/NDF:256153.5/17

Left: 71.566+/-0.009 χ^2/NDF: 625743.8/36

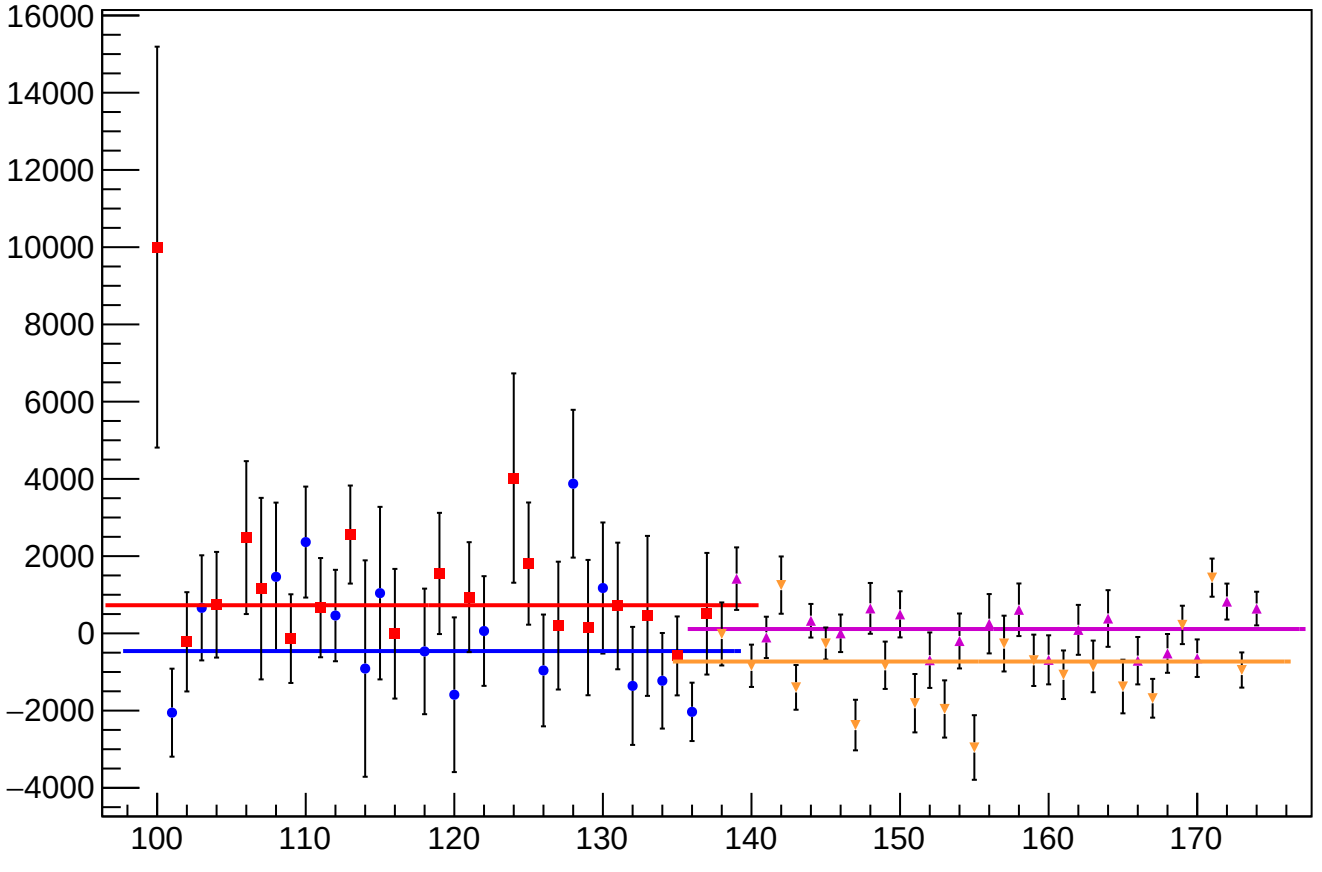
Right: 80.100+/-0.015 χ^2/NDF: 962223.7/34

In: 73.877+/-0.011 χ^2/NDF:788608.0/33

Out: 73.957+/-0.011 χ^2/NDF:1025865.5/37

All: 73.917+/-0.008 χ^2/NDF: 1814498.4/71

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -458.104+/-350.074 χ^2/NDF: 20.3/15

Left Out: -729.130+/-136.858 χ^2/NDF:57.2/18

Right Out: 728.749+/-352.573 χ^2/NDF: 11.5/18

Left In: 112.771+/-135.008 χ^2/NDF:17.4/17

Left: -302.451+/-96.112 χ^2/NDF: 93.8/36

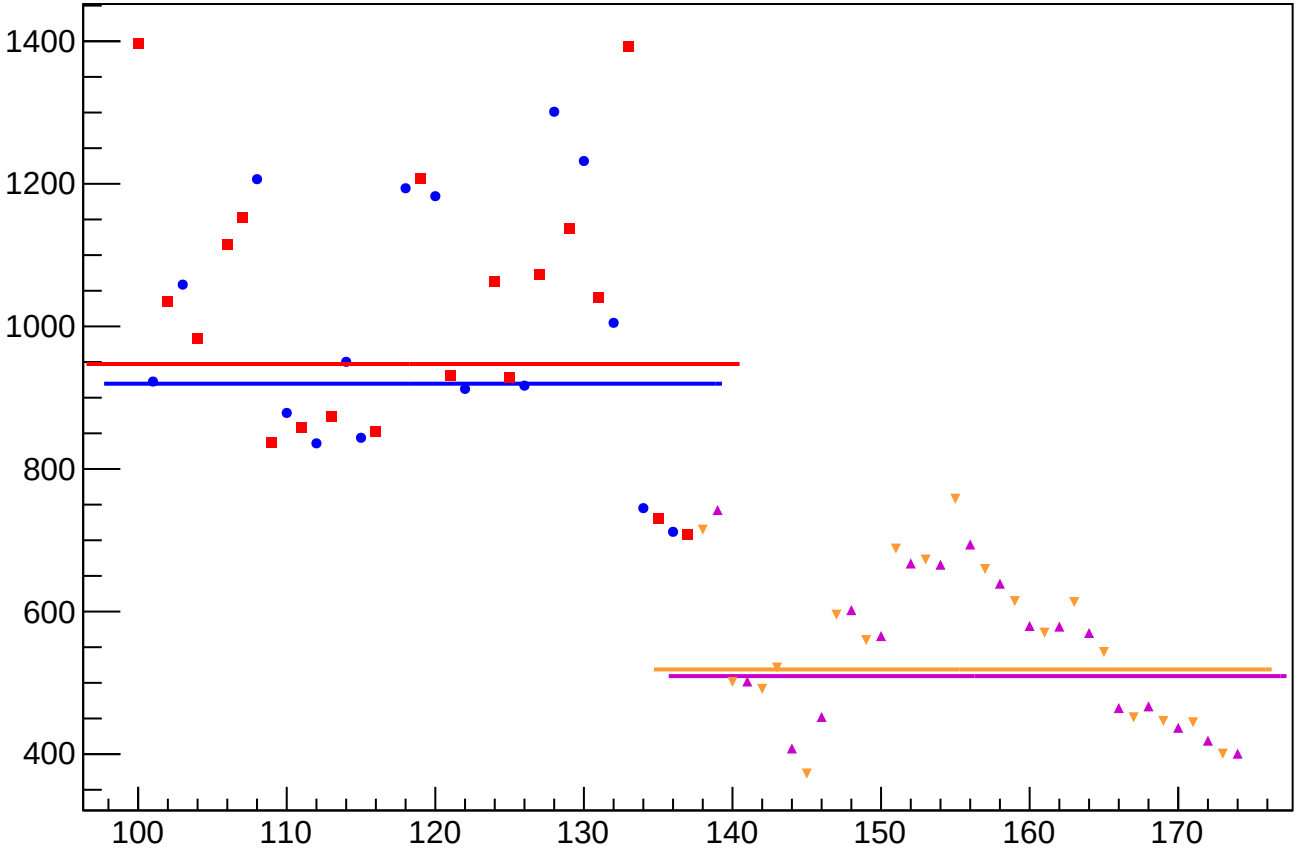
Right: 131.102+/-248.419 χ^2/NDF: 37.5/34

In: 38.858+/-125.965 χ^2/NDF:40.0/33

Out: -538.229+/-127.583 χ^2/NDF:83.5/37

All: -246.003+/-89.637 χ^2/NDF: 133.9/71

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 919.636+/-0.248 χ^2/NDF: 515443.9/15

Left Out: 518.804+/-0.097 χ^2/NDF:1186630.0/18

Right Out: 947.270+/-0.249 χ^2/NDF: 425565.2/18

Left In: 509.445+/-0.095 χ^2/NDF:1072116.6/17

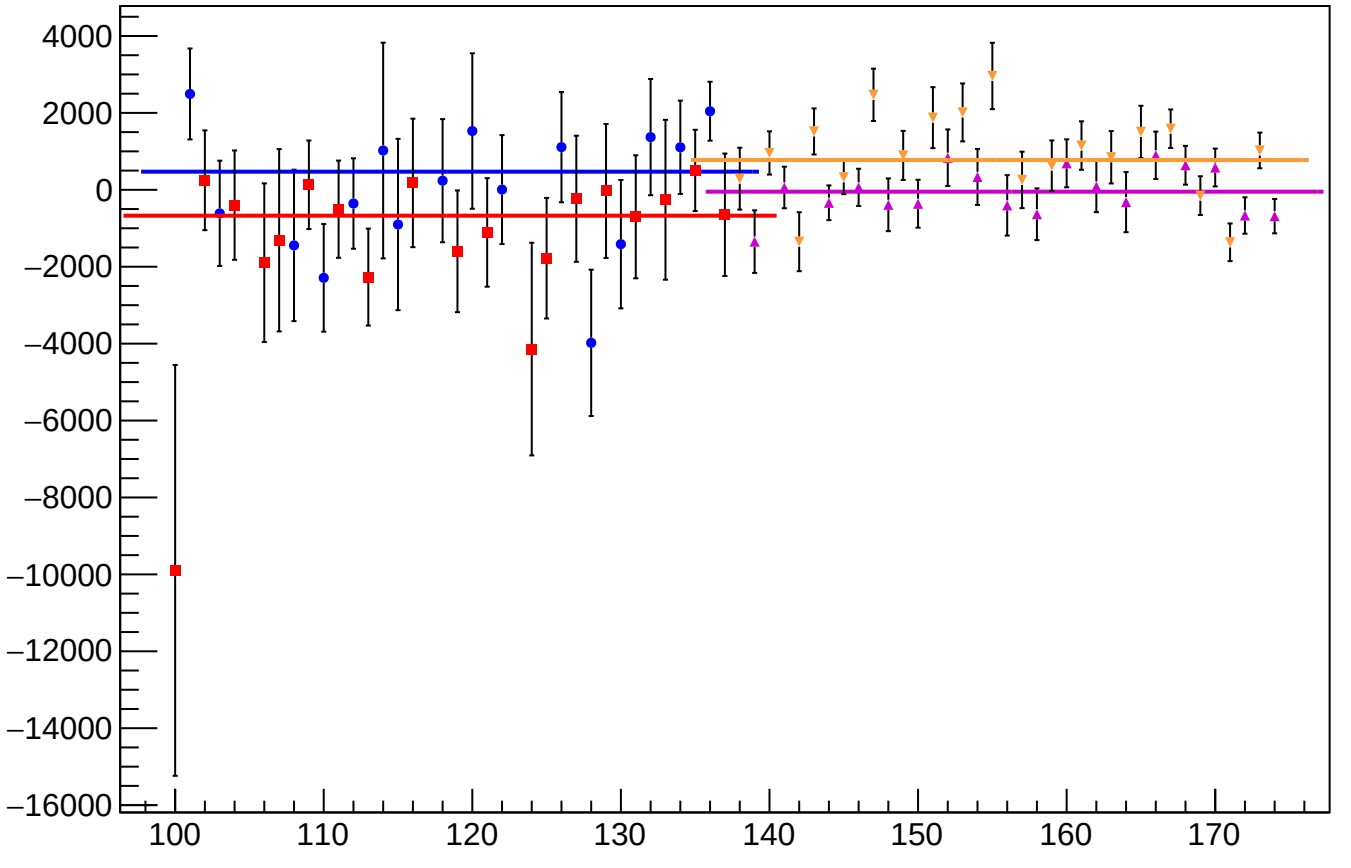
Left: 514.061+/-0.068 χ^2/NDF: 2263486.0/36

Right: 933.355+/-0.176 χ^2/NDF: 947195.7/34

In: 562.554+/-0.089 χ^2/NDF:3977926.2/33

Out: 574.909+/-0.090 χ^2/NDF:4179117.6/37

All: 568.653+/-0.063 χ^2/NDF: 8166541.0/71



Right In: 472.014+/-350.376 χ^2/NDF: 21.5/15

Left Out: 774.716+/-139.408 χ^2/NDF:55.5/18

Right Out: -672.537+/-354.512 χ^2/NDF: 10.3/18

Left In: -48.351+/-137.339 χ^2/NDF:17.4/17

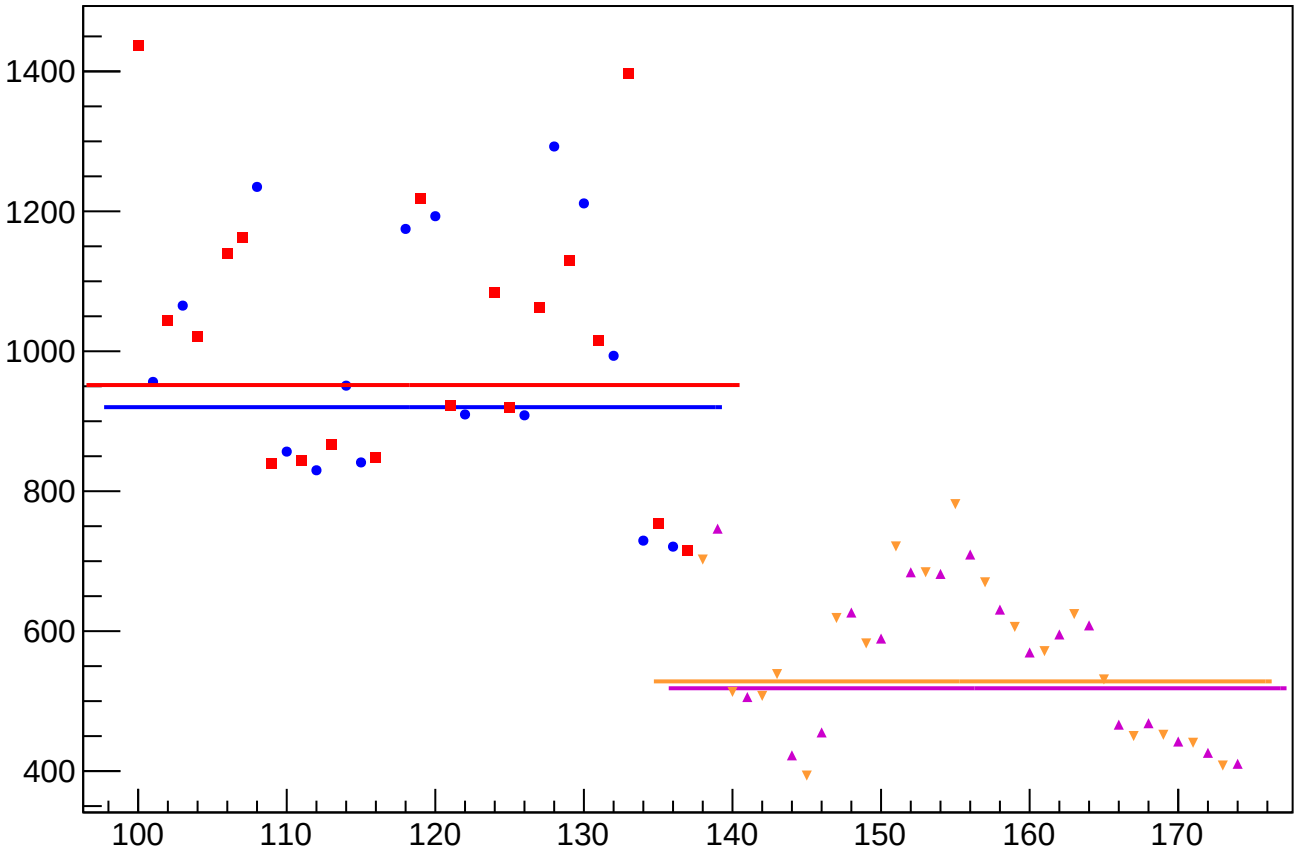
Left: 357.031+/-97.837 χ^2/NDF: 90.6/36

Right: -93.545+/-249.203 χ^2/NDF: 37.1/34

In: 20.953+/-127.867 χ^2/NDF:40.8/33

Out: 580.891+/-129.737 χ^2/NDF:80.3/37

All: 296.857+/-91.070 χ^2/NDF: 130.5/71



Right In: 920.125+/-0.248 χ^2/NDF: 508678.6/15

Left Out: 528.204+/-0.099 χ^2/NDF:1155892.3/18

Right Out: 951.726+/-0.251 χ^2/NDF: 416116.3/18

Left In: 518.371+/-0.097 χ^2/NDF:1075576.0/17

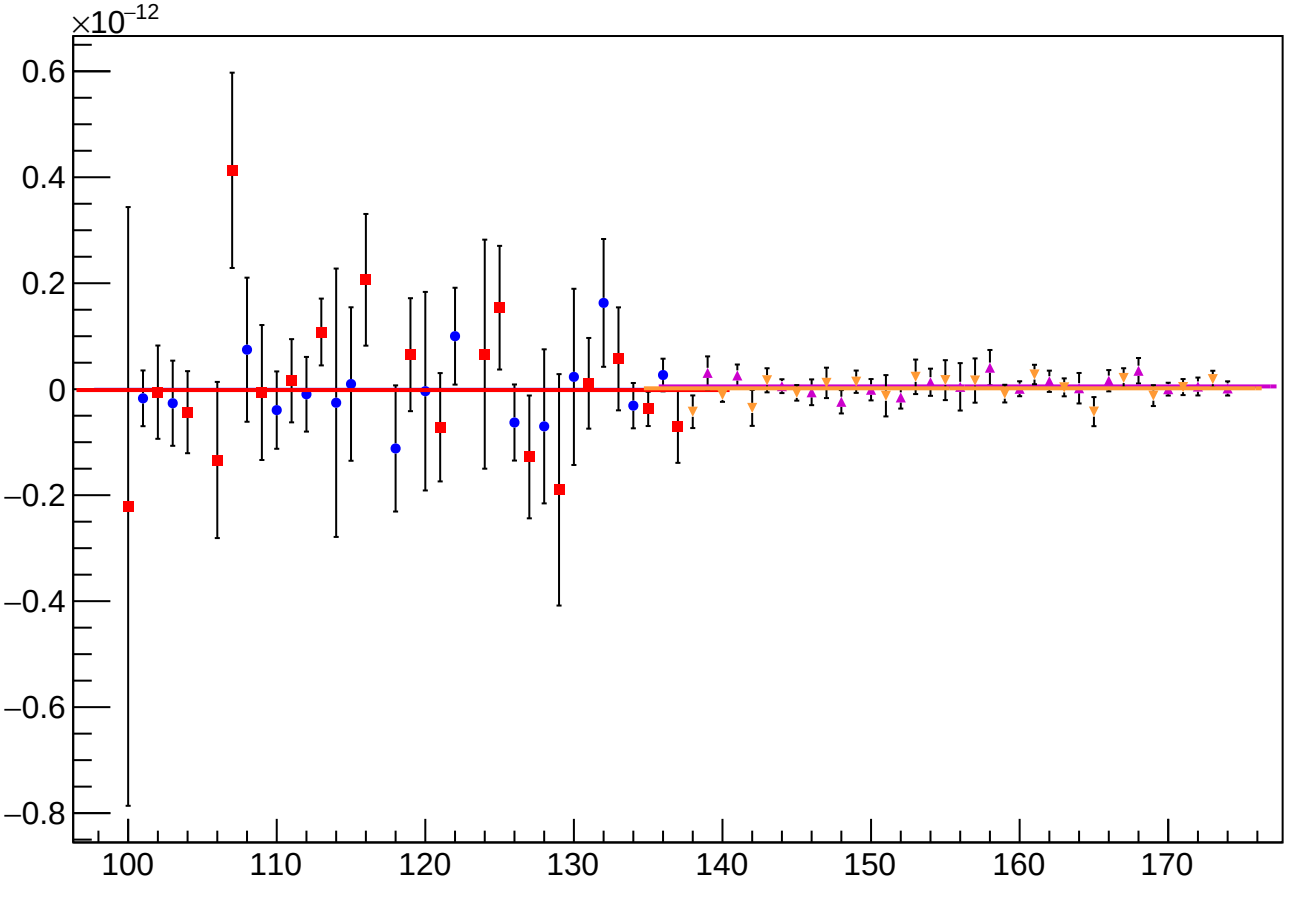
Left: 523.214+/-0.069 χ^2/NDF: 2236517.4/36

Right: 935.740+/-0.176 χ^2/NDF: 932834.0/34

In: 571.878+/-0.090 χ^2/NDF:3863600.3/33

Out: 584.925+/-0.092 χ^2/NDF:4044158.9/37

All: 578.307+/-0.064 χ^2/NDF: 7918019.0/71



Right In: -0.000+/-0.000 χ^2/NDF: 7.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:14.1/18

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/18

Left In: 0.000+/-0.000 χ^2/NDF:8.3/17

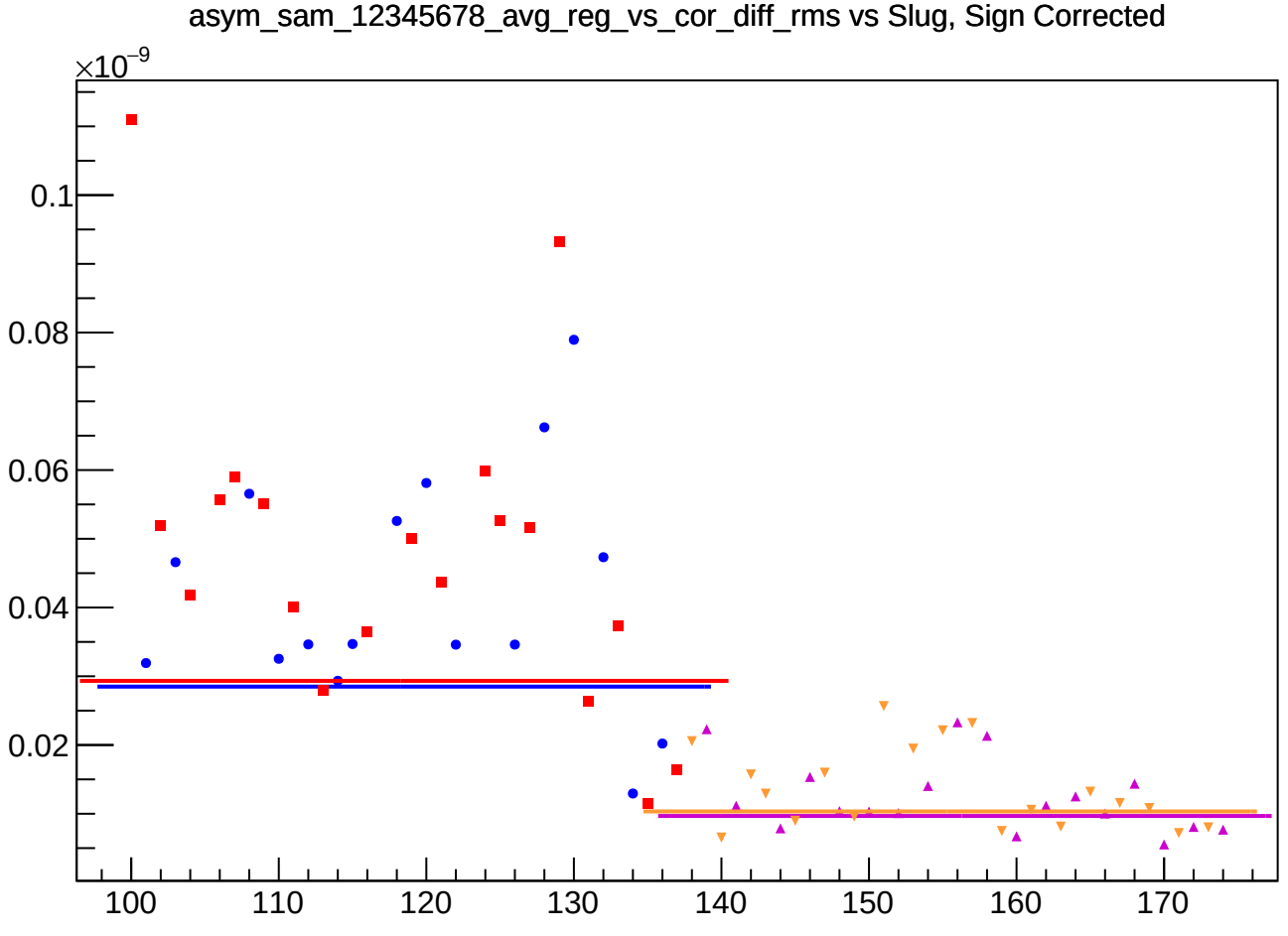
Left: 0.000+/-0.000 χ^2/NDF: 22.7/36

Right: -0.000+/-0.000 χ^2/NDF: 26.5/34

In: 0.000+/-0.000 χ^2/NDF:15.5/33

Out: 0.000+/-0.000 χ^2/NDF:33.5/37

All: 0.000+/-0.000 χ^2/NDF: 49.3/71



Right In: 0.000+/-0.000 χ^2/NDF: 1152293.4/15

Left Out: 0.000+/-0.000 χ^2/NDF:1668273.7/18

Right Out: 0.000+/-0.000 χ^2/NDF: 1645968.5/18

Left In: 0.000+/-0.000 χ^2/NDF:1472207.8/17

Left: 0.000+/-0.000 χ^2/NDF: 3161308.7/36

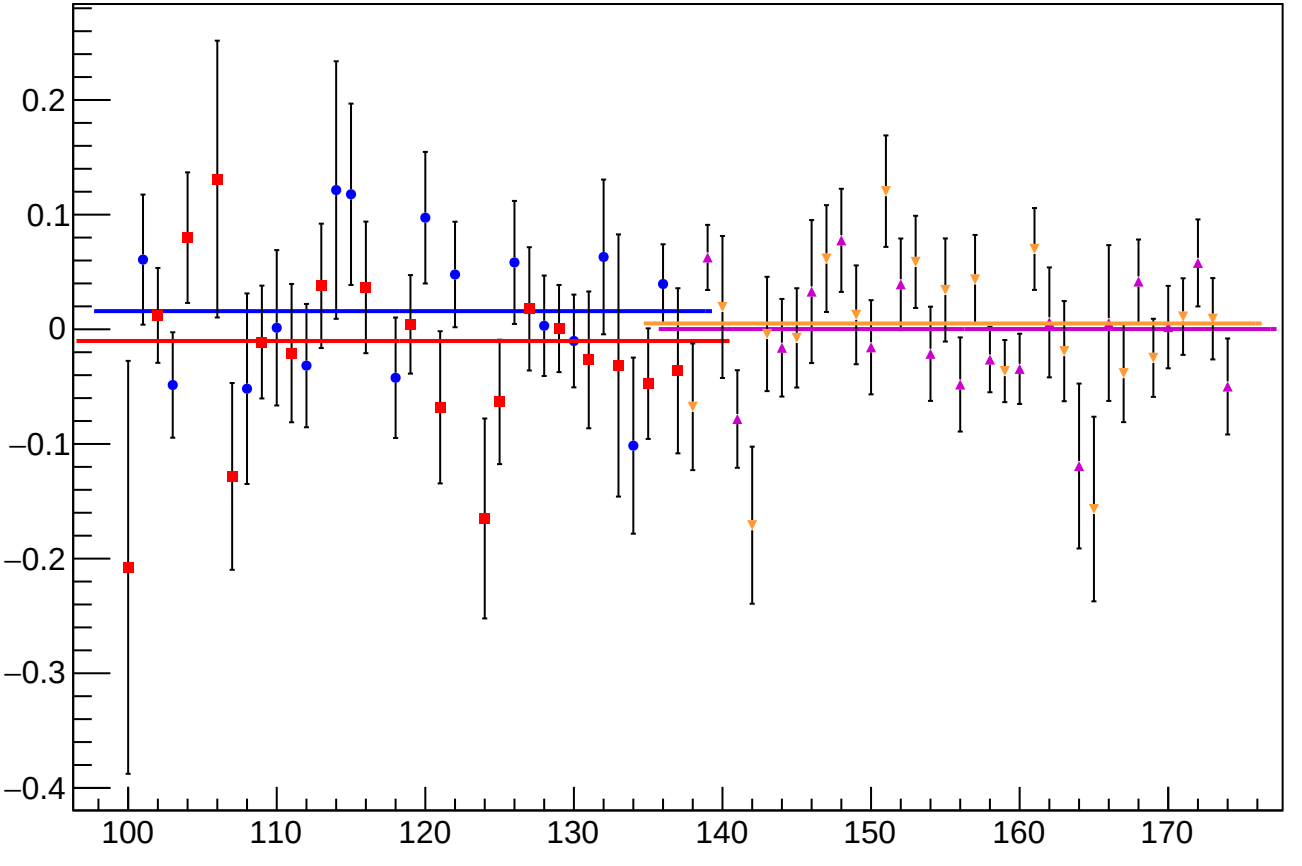
Right: 0.000+/-0.000 χ^2/NDF: 2800314.7/34

In: 0.000+/-0.000 χ^2/NDF:4746167.4/33

Out: 0.000+/-0.000 χ^2/NDF:5152459.0/37

All: 0.000+/-0.000 χ^2/NDF: 9915334.7/71

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.003+/-0.007 χ^2/NDF: 55.2/36

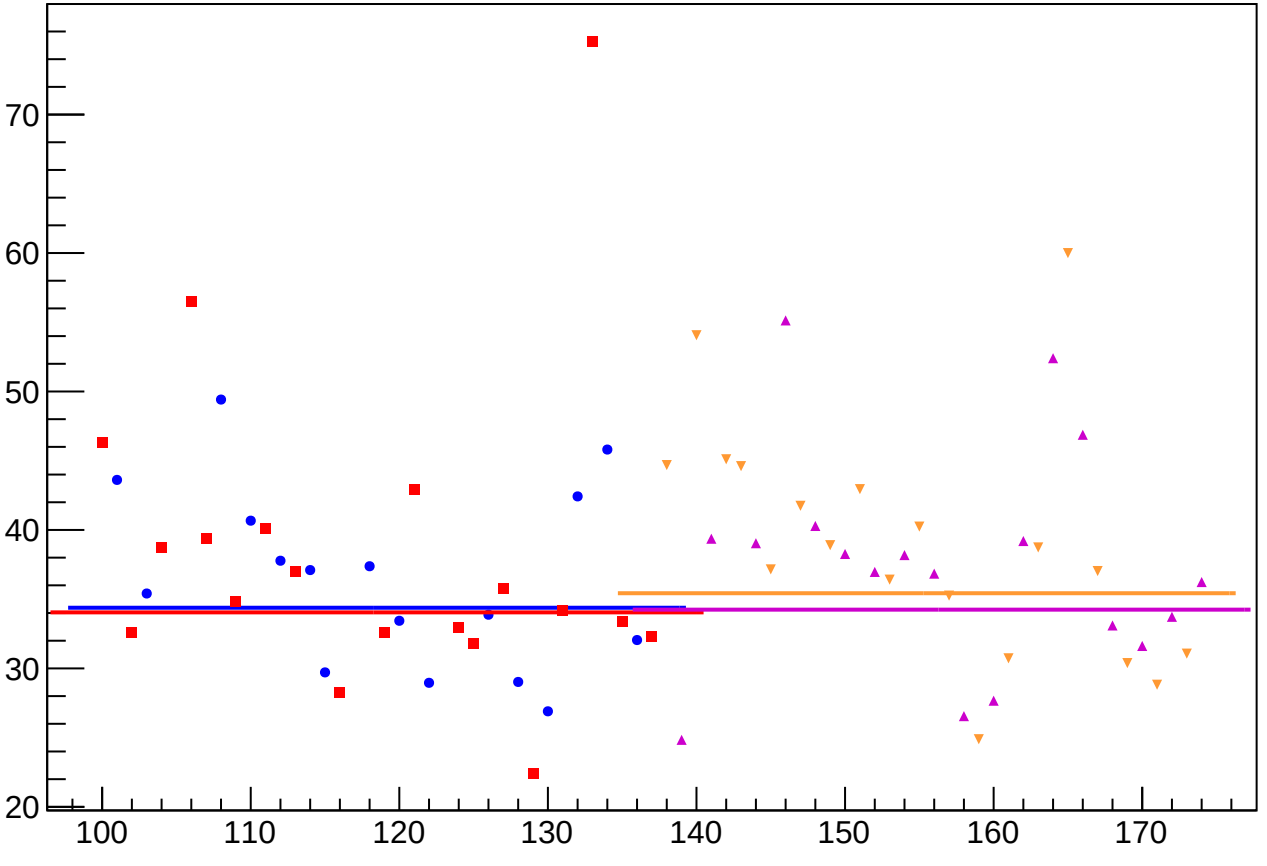
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.003+/-0.005 χ^2/NDF: 87.0/71

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.430+/-0.007 χ^2/NDF:1160280.7/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.244+/-0.007 χ^2/NDF:1062220.0/17

Left: 34.822+/-0.005 χ^2/NDF: 2238173.4/36

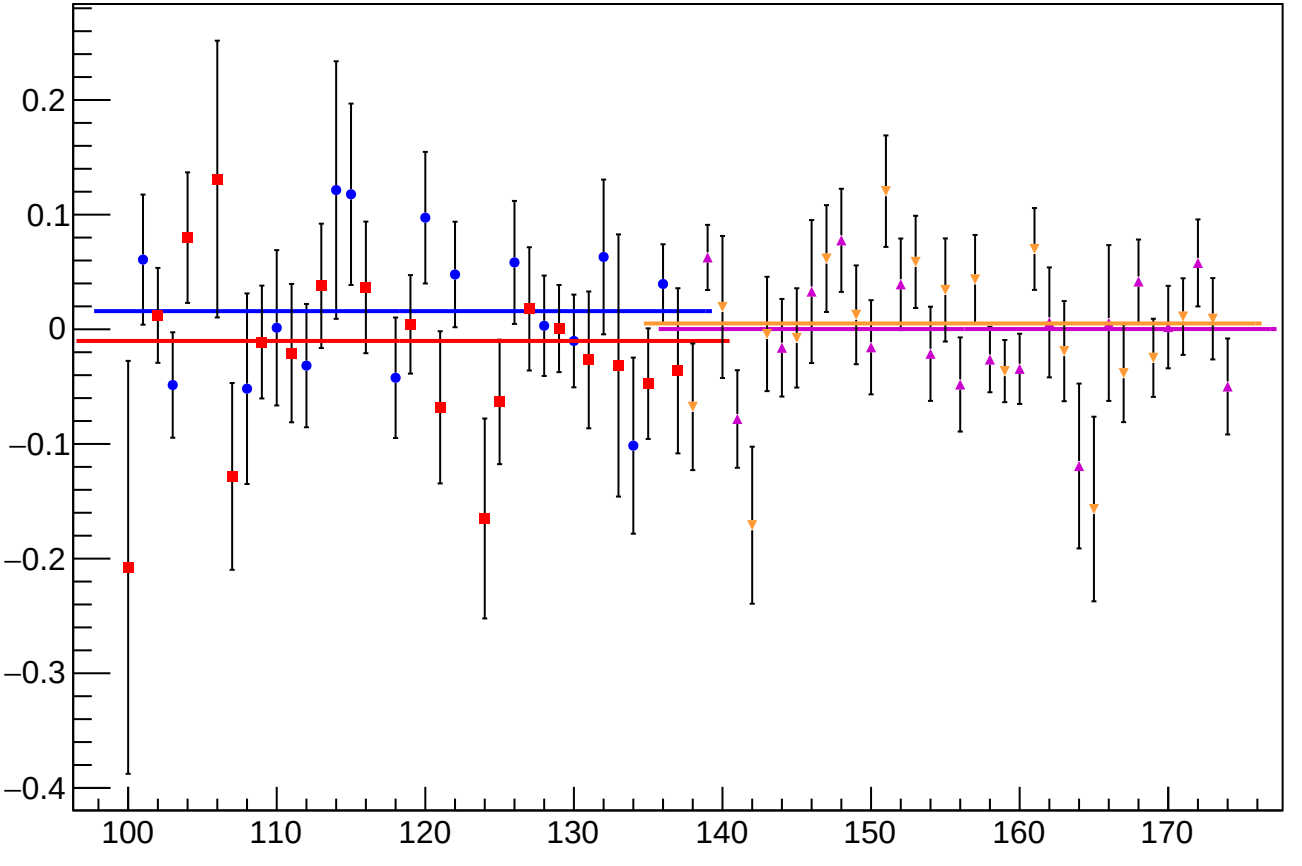
Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.289+/-0.005 χ^2/NDF:1430245.9/33

Out: 34.952+/-0.005 χ^2/NDF:1817324.2/37

All: 34.617+/-0.004 χ^2/NDF: 3254962.6/71

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.003+/-0.007 χ^2/NDF: 55.2/36

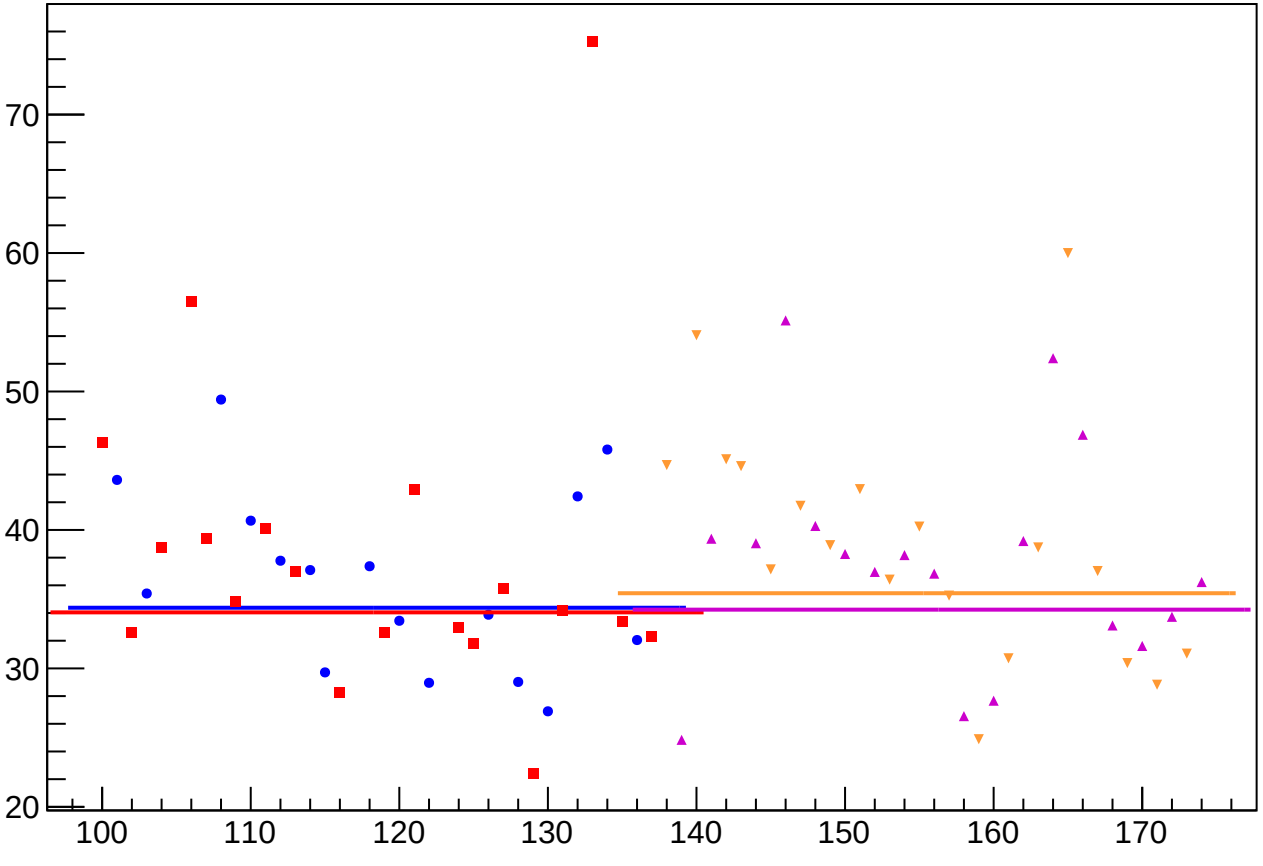
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.003+/-0.005 χ^2/NDF: 87.0/71

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.382+/-0.009 χ^2/NDF: 367883.0/15

Left Out: 35.430+/-0.007 χ^2/NDF:1160280.7/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642697.3/18

Left In: 34.244+/-0.007 χ^2/NDF:1062220.0/17

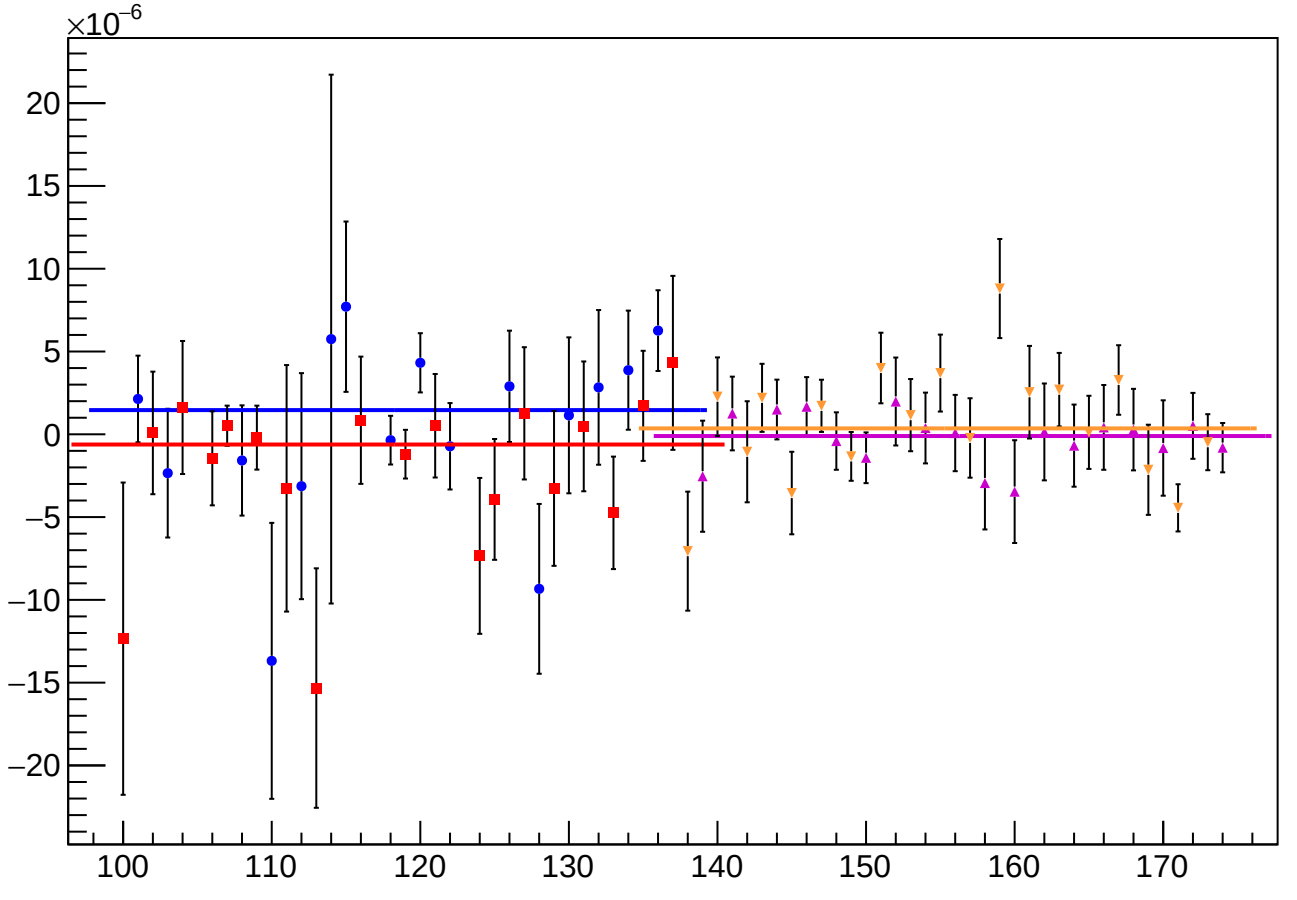
Left: 34.822+/-0.005 χ^2/NDF: 2238173.4/36

Right: 34.212+/-0.007 χ^2/NDF: 1011212.4/34

In: 34.289+/-0.005 χ^2/NDF:1430245.9/33

Out: 34.952+/-0.005 χ^2/NDF:1817324.2/37

All: 34.617+/-0.004 χ^2/NDF: 3254962.6/71



Right In: 0.000+/-0.000 χ^2/NDF: 21.0/15

Left Out: 0.000+/-0.000 χ^2/NDF:39.7/18

Right Out: -0.000+/-0.000 χ^2/NDF: 13.9/18

Left In: -0.000+/-0.000 χ^2/NDF:6.8/17

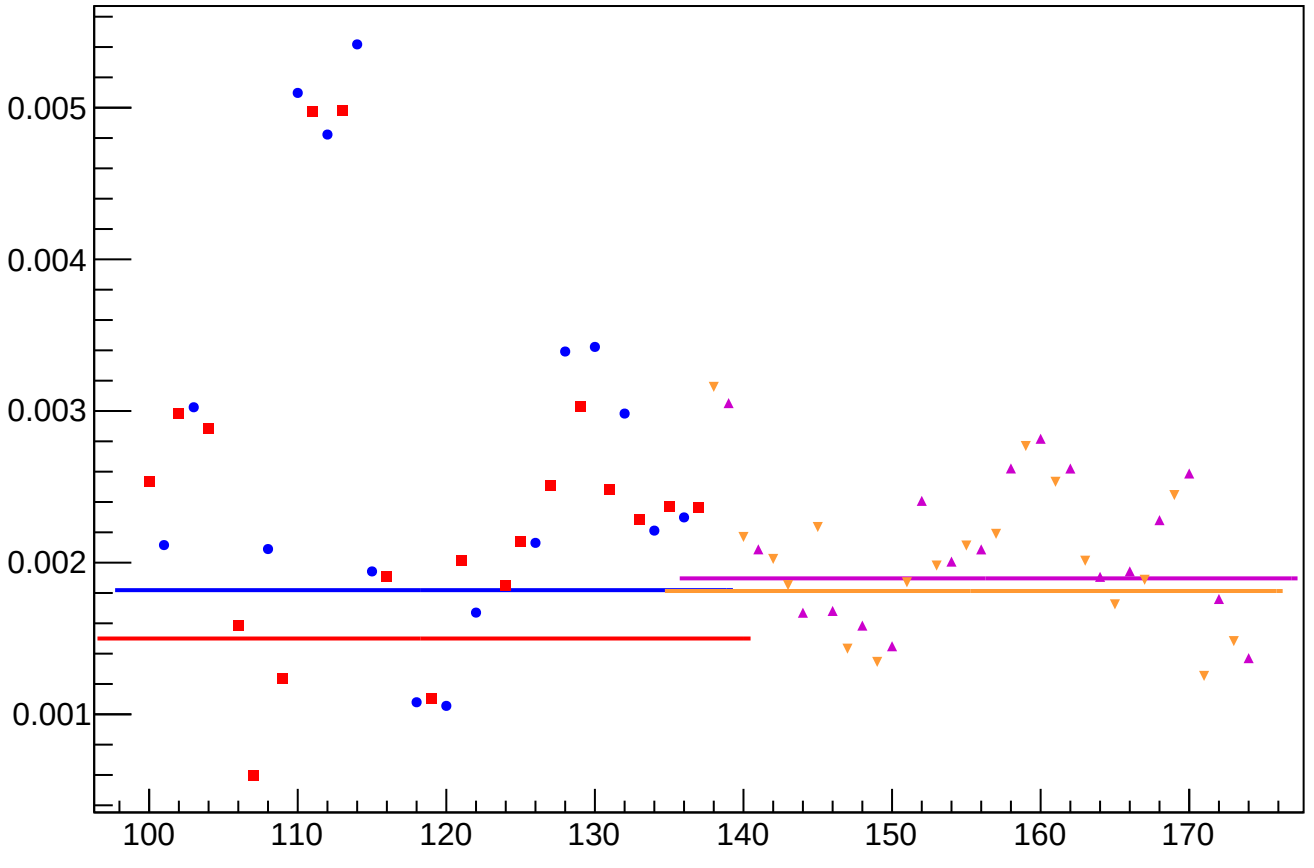
Left: 0.000+/-0.000 χ^2/NDF: 46.9/36

Right: 0.000+/-0.000 χ^2/NDF: 39.3/34

In: 0.000+/-0.000 χ^2/NDF:30.8/33

Out: 0.000+/-0.000 χ^2/NDF:55.1/37

All: 0.000+/-0.000 χ^2/NDF: 86.3/71



Right In: 0.002+/-0.000 χ^2/NDF: 2570250.6/15

Left Out: 0.002+/-0.000 χ^2/NDF:1658767.9/18

Right Out: 0.001+/-0.000 χ^2/NDF: 3689451.2/18

Left In: 0.002+/-0.000 χ^2/NDF:1496162.4/17

Left: 0.002+/-0.000 χ^2/NDF: 3183095.3/36

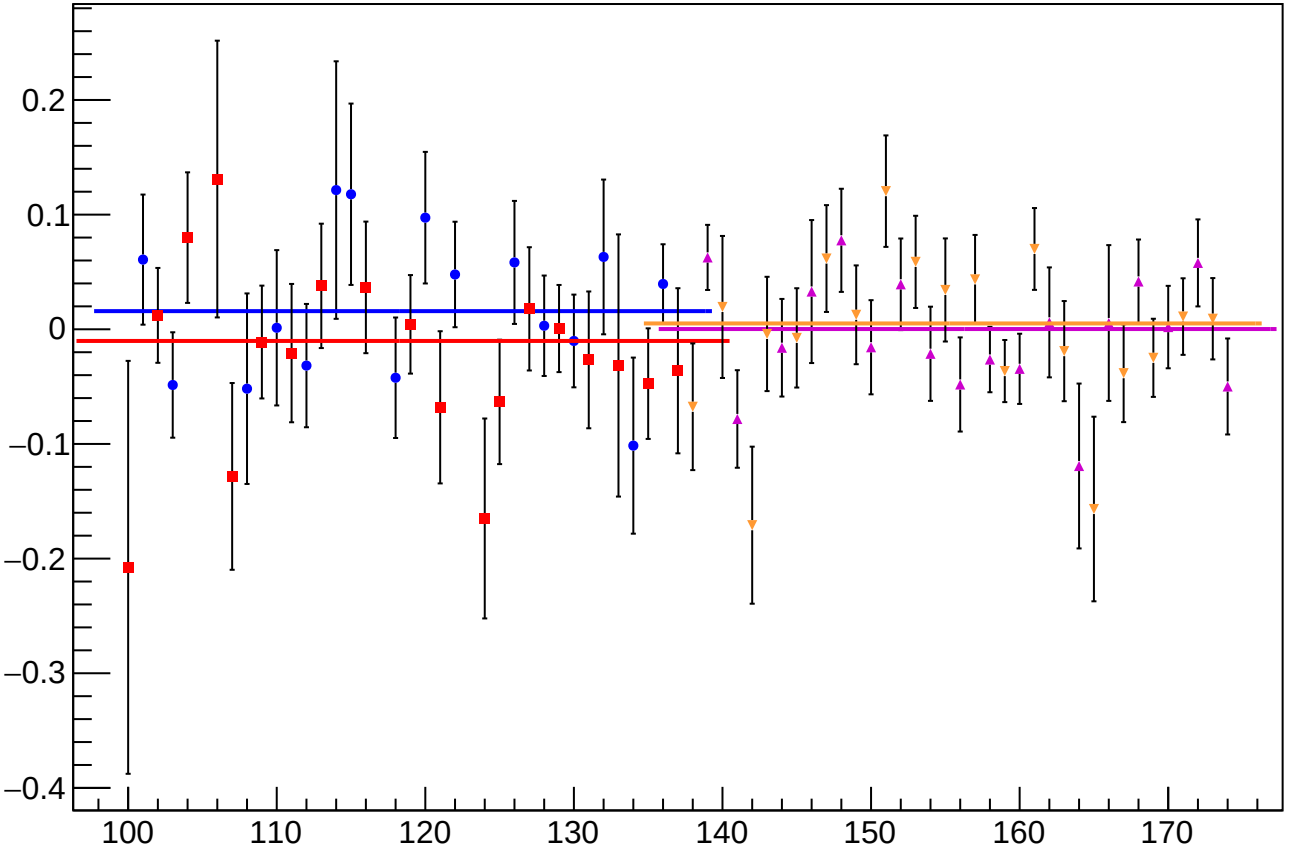
Right: 0.002+/-0.000 χ^2/NDF: 6466308.5/34

In: 0.002+/-0.000 χ^2/NDF:4081049.1/33

Out: 0.002+/-0.000 χ^2/NDF:5649112.3/37

All: 0.002+/-0.000 χ^2/NDF: 9909898.1/71

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.003+/-0.007 χ^2/NDF: 55.2/36

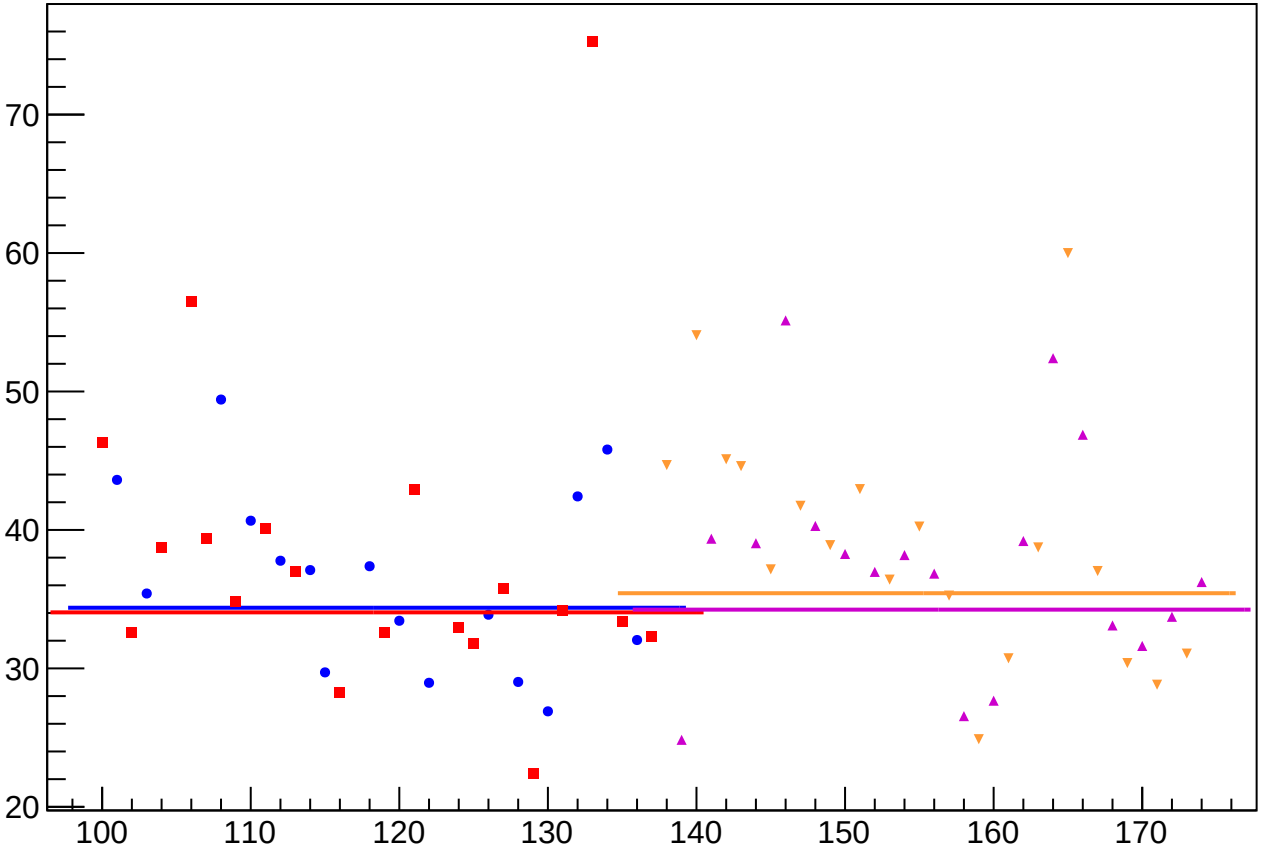
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.003+/-0.005 χ^2/NDF: 87.0/71

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: 35.430+/-0.007 χ^2/NDF:1160344.6/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.244+/-0.007 χ^2/NDF:1062290.2/17

Left: 34.822+/-0.005 χ^2/NDF: 2238305.1/36

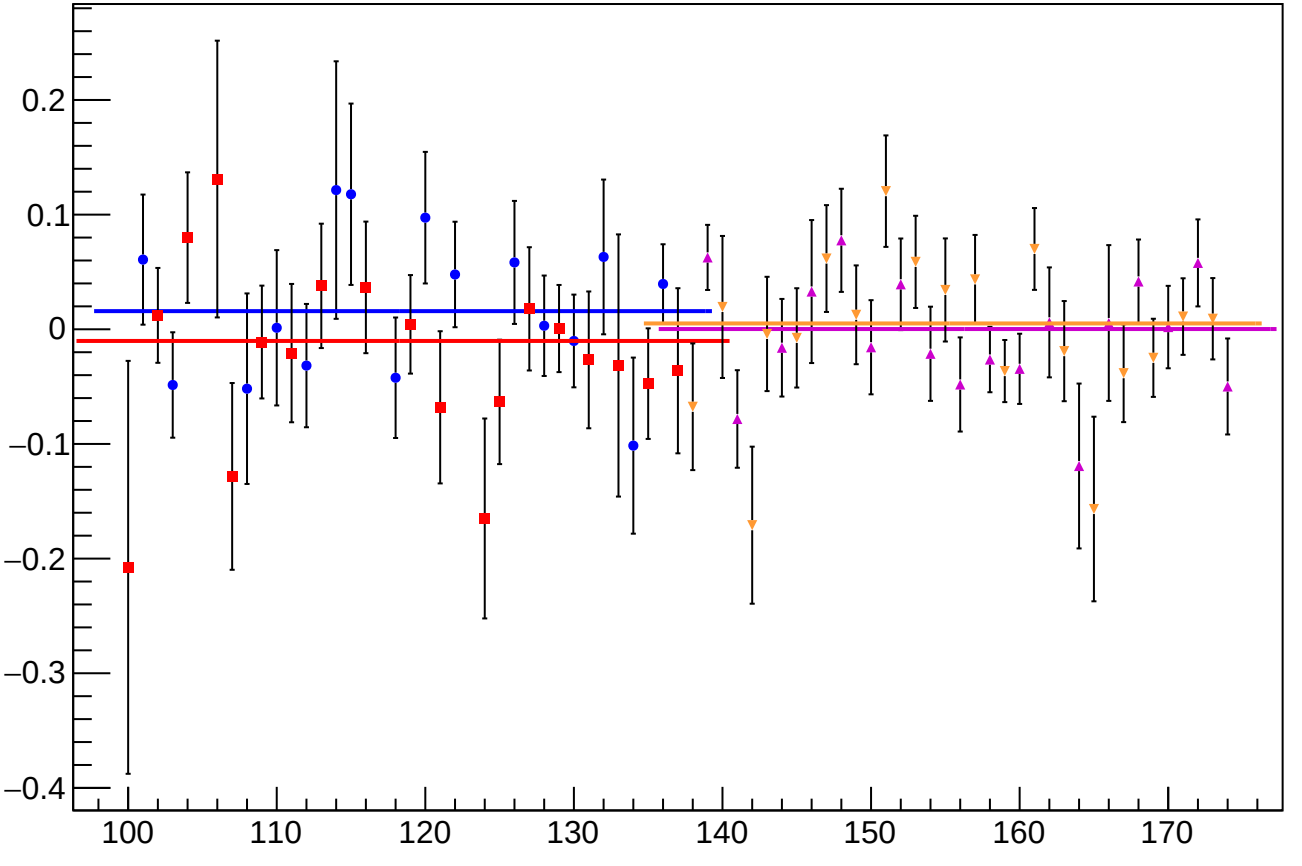
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.289+/-0.005 χ^2/NDF:1430371.0/33

Out: 34.952+/-0.005 χ^2/NDF:1817447.8/37

All: 34.617+/-0.004 χ^2/NDF: 3255211.3/71

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.016+/-0.013 χ^2/NDF: 14.8/15

Left Out: 0.005+/-0.010 χ^2/NDF:30.7/18

Right Out: -0.010+/-0.013 χ^2/NDF: 15.1/18

Left In: 0.000+/-0.009 χ^2/NDF:24.3/17

Left: 0.003+/-0.007 χ^2/NDF: 55.2/36

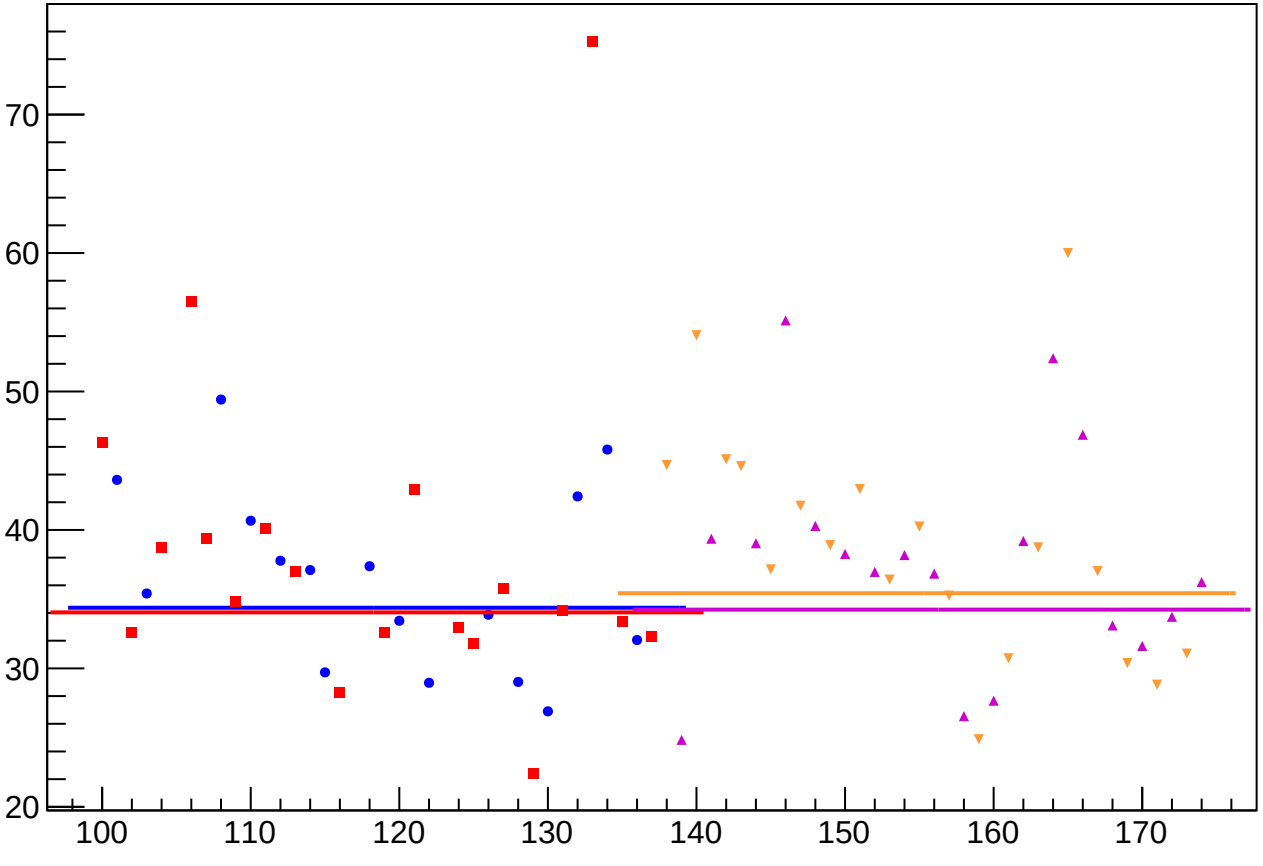
Right: 0.003+/-0.009 χ^2/NDF: 31.8/34

In: 0.005+/-0.008 χ^2/NDF:40.0/33

Out: -0.000+/-0.008 χ^2/NDF:46.7/37

All: 0.003+/-0.005 χ^2/NDF: 87.0/71

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.381+/-0.009 χ^2/NDF: 367940.1/15

Left Out: 35.430+/-0.007 χ^2/NDF:1160344.6/18

Right Out: 34.047+/-0.009 χ^2/NDF: 642741.5/18

Left In: 34.244+/-0.007 χ^2/NDF:1062290.2/17

Left: 34.822+/-0.005 χ^2/NDF: 2238305.1/36

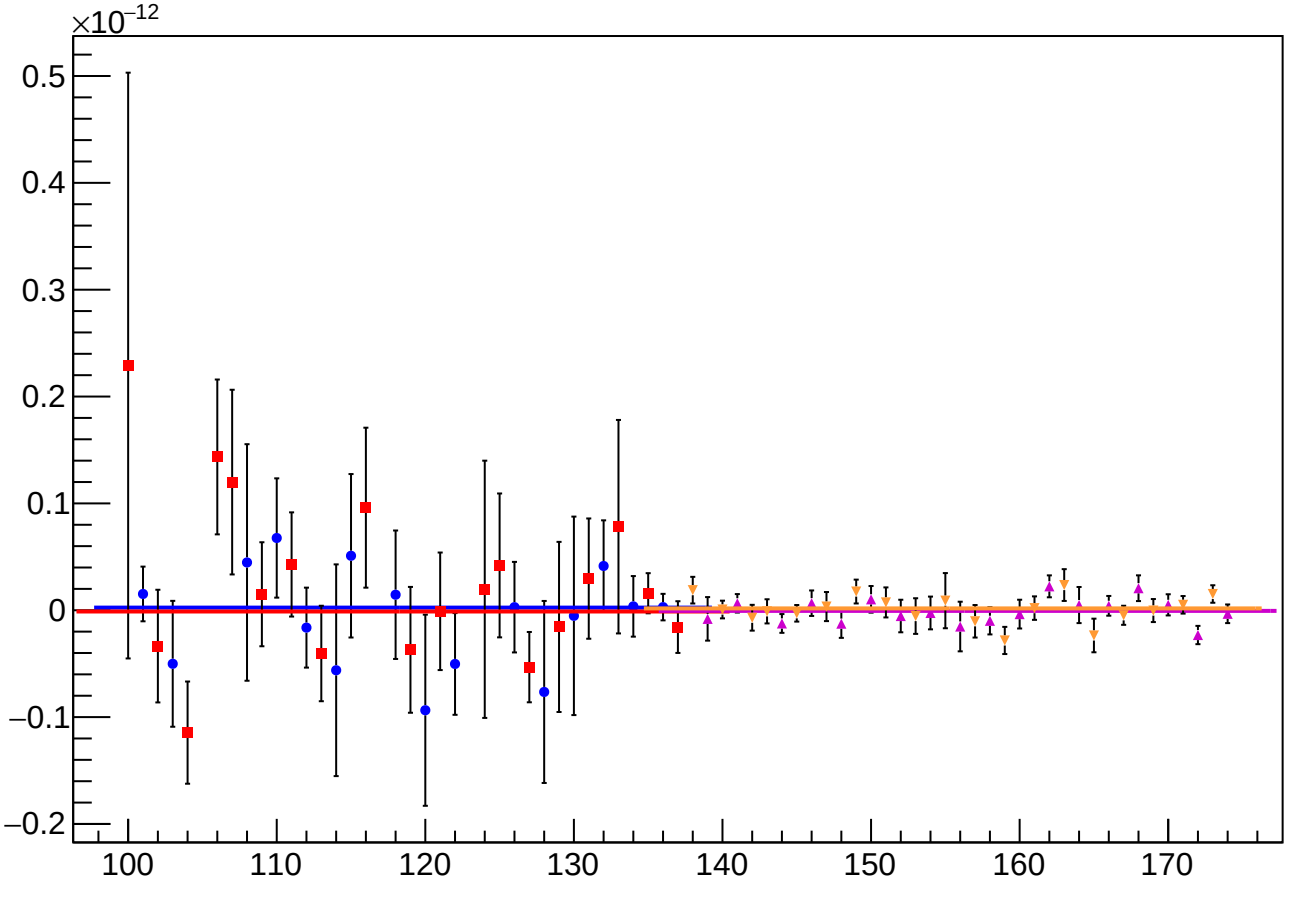
Right: 34.212+/-0.007 χ^2/NDF: 1011312.9/34

In: 34.289+/-0.005 χ^2/NDF:1430371.0/33

Out: 34.952+/-0.005 χ^2/NDF:1817447.8/37

All: 34.617+/-0.004 χ^2/NDF: 3255211.3/71

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7.7/15

Left Out: 0.000+/-0.000 χ^2/NDF:19.6/18

Right Out: -0.000+/-0.000 χ^2/NDF: 21.5/18

Left In: -0.000+/-0.000 χ^2/NDF:21.5/17

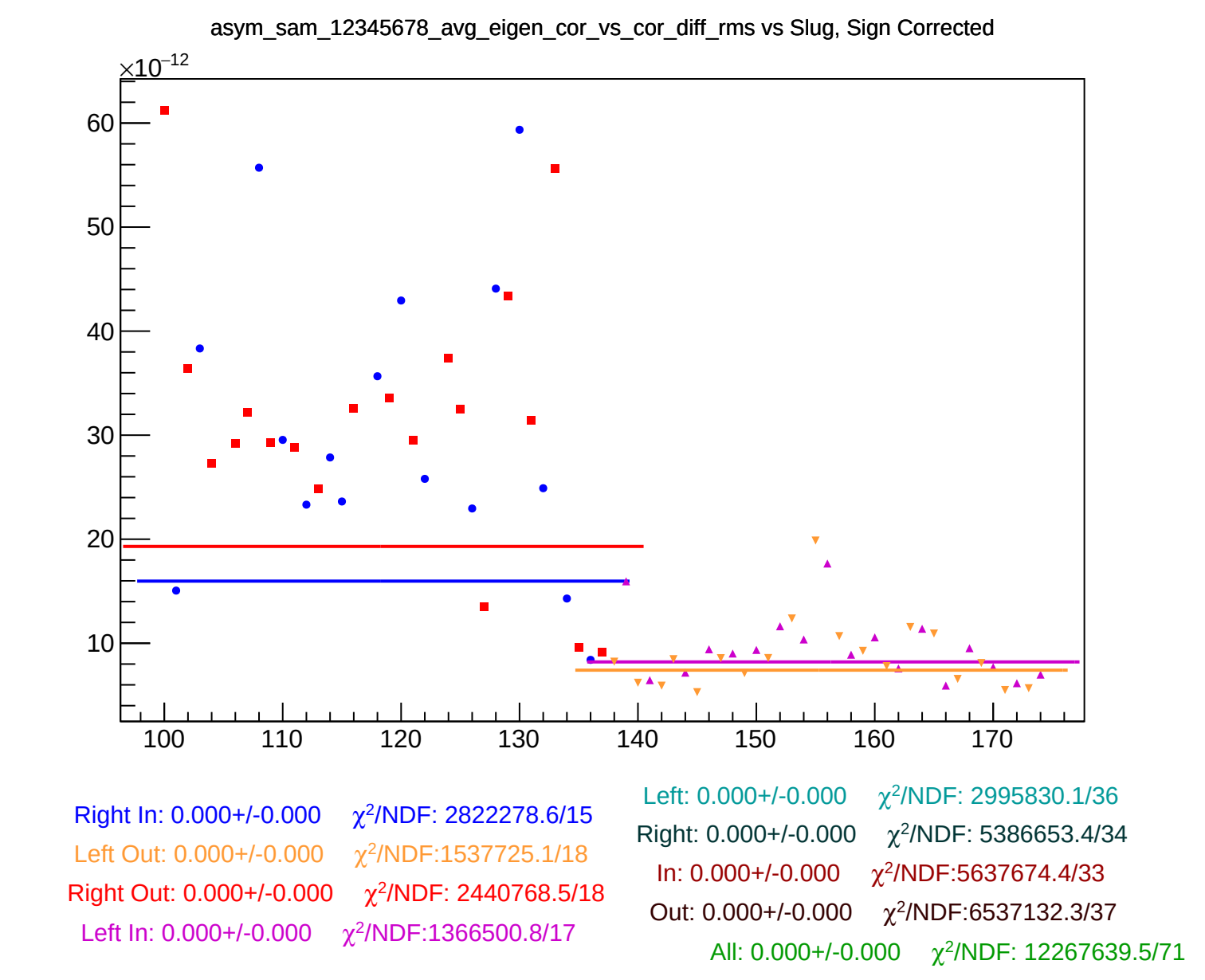
Left: 0.000+/-0.000 χ^2/NDF: 41.5/36

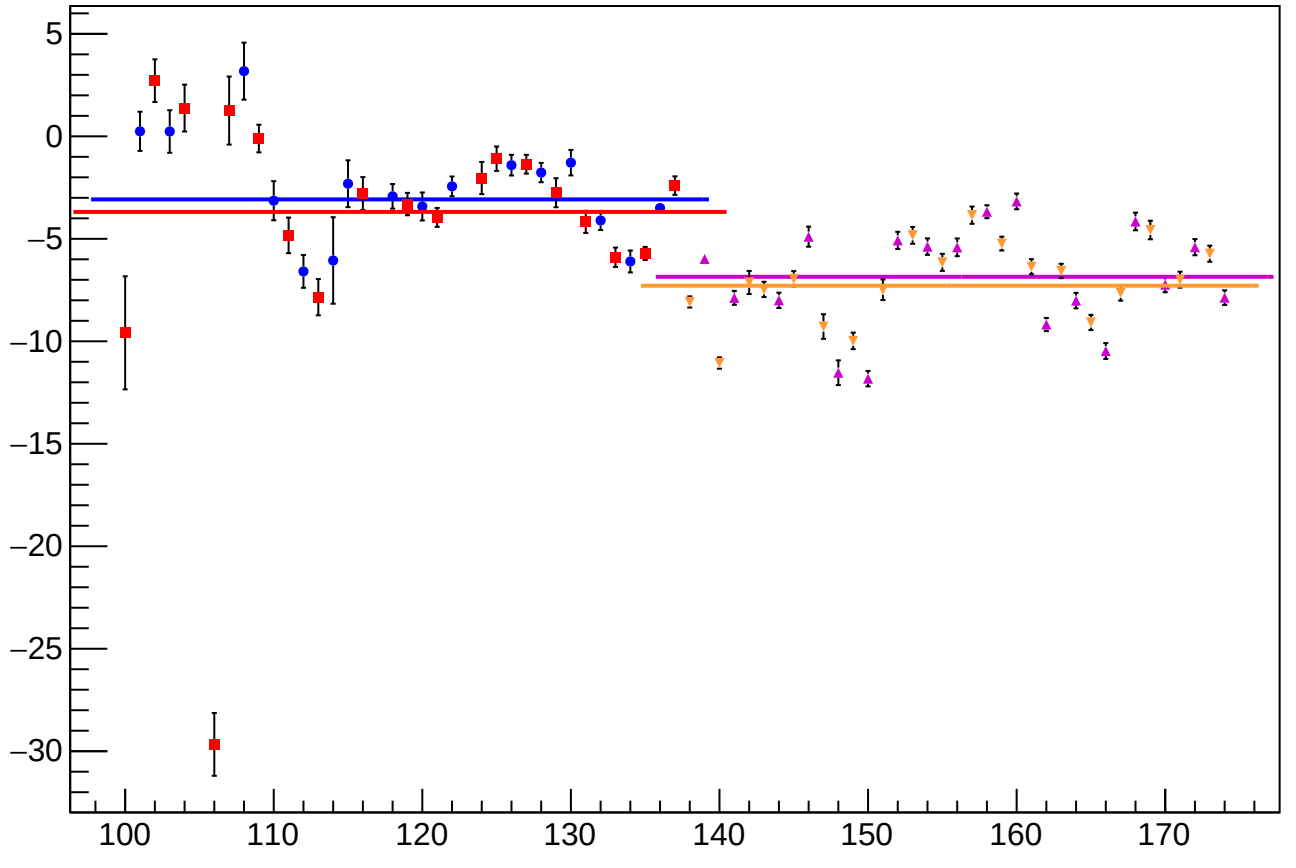
Right: 0.000+/-0.000 χ^2/NDF: 29.3/34

In: -0.000+/-0.000 χ^2/NDF:29.3/33

Out: 0.000+/-0.000 χ^2/NDF:41.2/37

All: 0.000+/-0.000 χ^2/NDF: 70.8/71


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:1537725.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 2440768.5/18
Left In: 0.000+/-0.000 χ²/NDF:1366500.8/17
Left: 0.000+/-0.000 χ²/NDF: 2995830.1/36
Right: 0.000+/-0.000 χ²/NDF: 5386653.4/34
In: 0.000+/-0.000 χ²/NDF:5637674.4/33
Out: 0.000+/-0.000 χ²/NDF:6537132.3/37
All: 0.000+/-0.000 χ²/NDF: 12267639.5/71



Right In: -3.077+/-0.135 χ^2/NDF: 133.8/15

Left Out: -7.288+/-0.088 χ^2/NDF:483.7/18

Right Out: -3.687+/-0.140 χ^2/NDF: 534.8/18

Left In: -6.853+/-0.087 χ^2/NDF:728.3/17

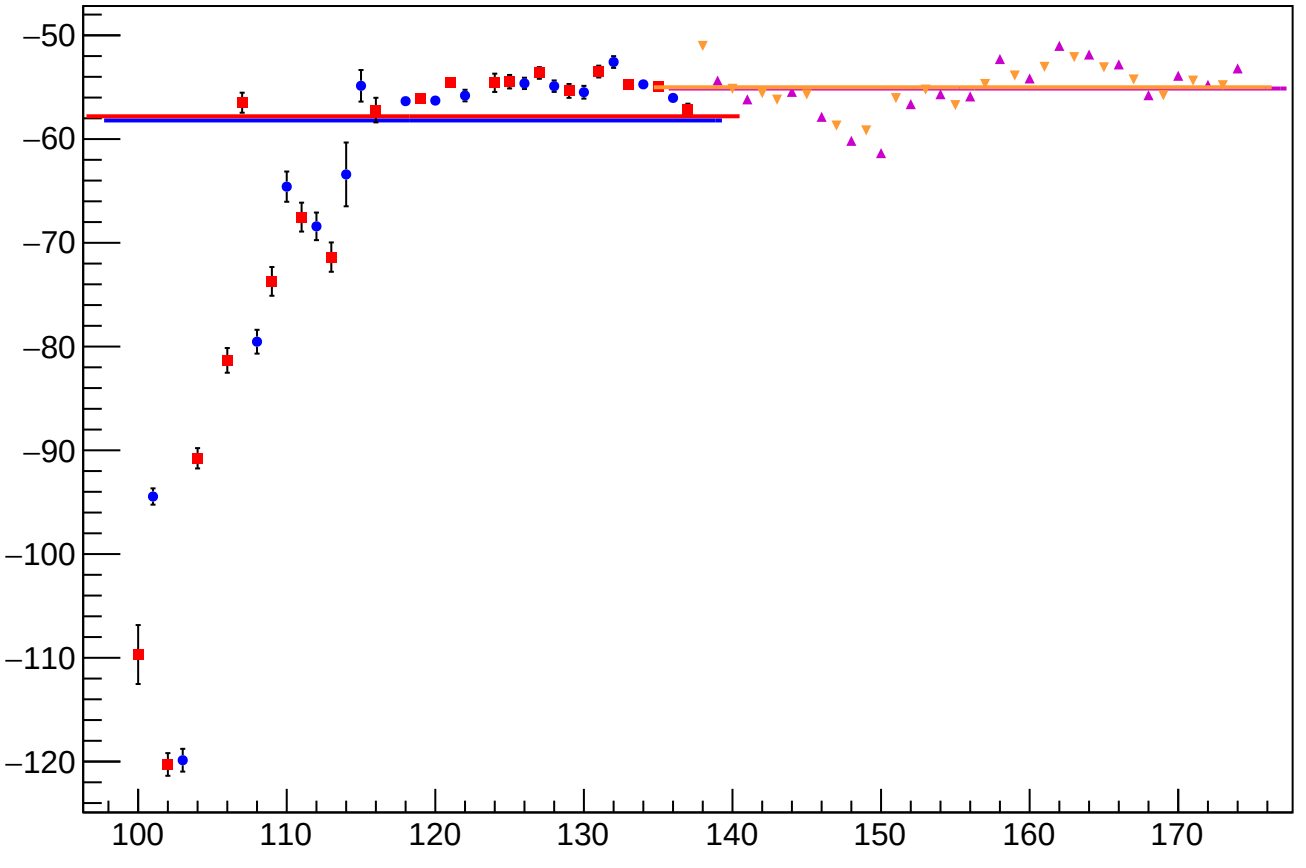
Left: -7.070+/-0.062 χ^2/NDF: 1224.4/36

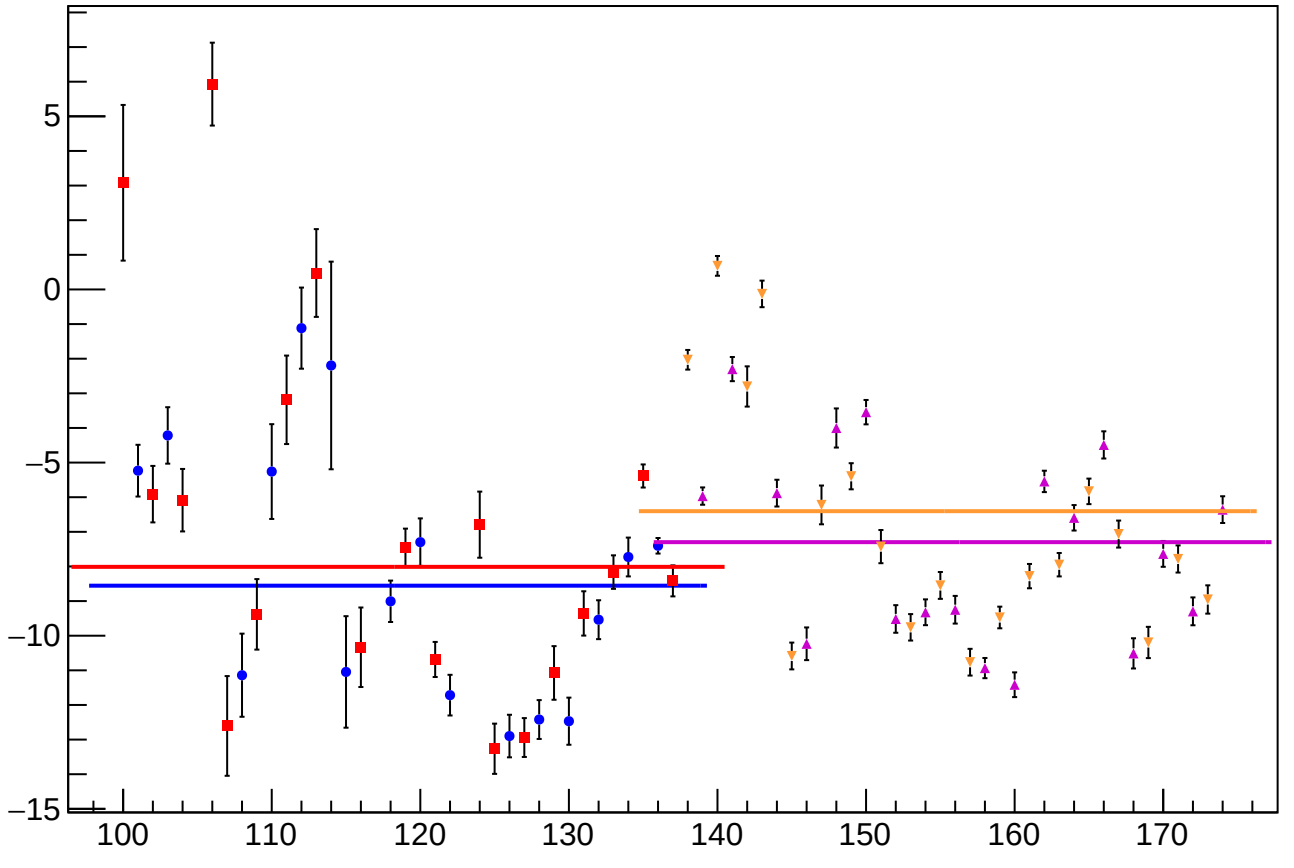
Right: -3.371+/-0.097 χ^2/NDF: 678.4/34

In: -5.743+/-0.073 χ^2/NDF:1412.7/33

Out: -6.277+/-0.074 χ^2/NDF:1493.0/37

All: -6.007+/-0.052 χ^2/NDF: 2931.8/71


reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected
−50
−60
−70
−80
−90
−100
−110
−120
100
110
120
130
140
150
160
170
Right In: -58.204+/-0.136 χ²/NDF: 6126.9/15
Left Out: -55.007+/-0.065 χ²/NDF:944.4/18
Right Out: -57.804+/-0.138 χ²/NDF: 5792.7/18
Left In: -55.127+/-0.067 χ²/NDF:1724.7/17
Left: -55.065+/-0.046 χ²/NDF: 2670.8/36
Right: -58.008+/-0.097 χ²/NDF: 11923.9/34
In: -55.726+/-0.060 χ²/NDF:8266.7/33
Out: -55.507+/-0.059 χ²/NDF:7072.0/37
All: -55.614+/-0.042 χ²/NDF: 15345.5/71



Right In: -8.555+/-0.145 χ^2/NDF: 300.7/15

Left Out: -6.404+/-0.086 χ^2/NDF:1796.0/18

Right Out: -8.011+/-0.153 χ^2/NDF: 489.3/18

Left In: -7.298+/-0.086 χ^2/NDF:978.6/17

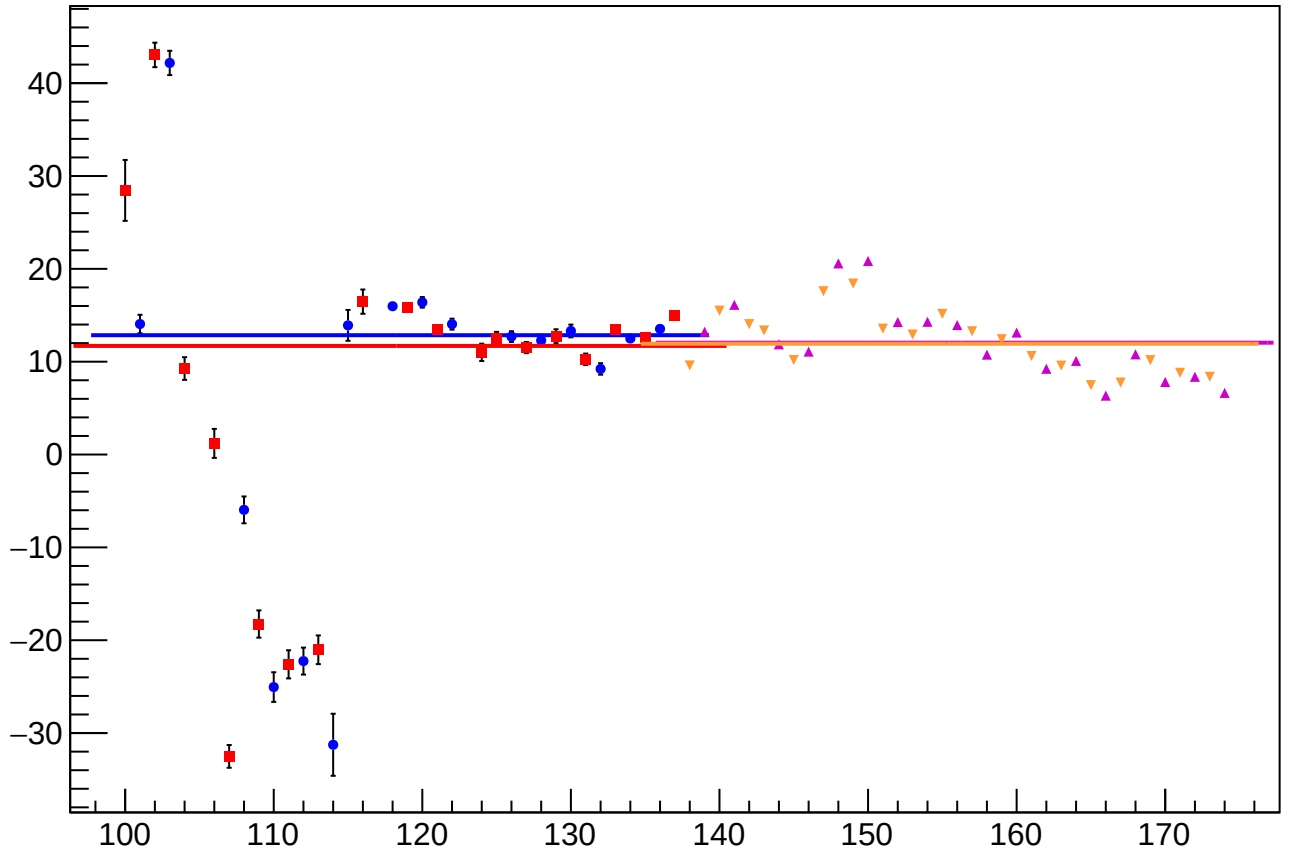
Left: -6.853+/-0.061 χ^2/NDF: 2828.6/36

Right: -8.298+/-0.105 χ^2/NDF: 796.7/34

In: -7.625+/-0.074 χ^2/NDF:1335.1/33

Out: -6.792+/-0.075 χ^2/NDF:2369.2/37

All: -7.216+/-0.053 χ^2/NDF: 3766.9/71



Right In: 12.853+/-0.150 χ^2/NDF: 2128.4/15

Left Out: 11.935+/-0.073 χ^2/NDF:1768.5/18

Right Out: 11.699+/-0.155 χ^2/NDF: 3498.8/18

Left In: 12.047+/-0.074 χ^2/NDF:2757.8/17

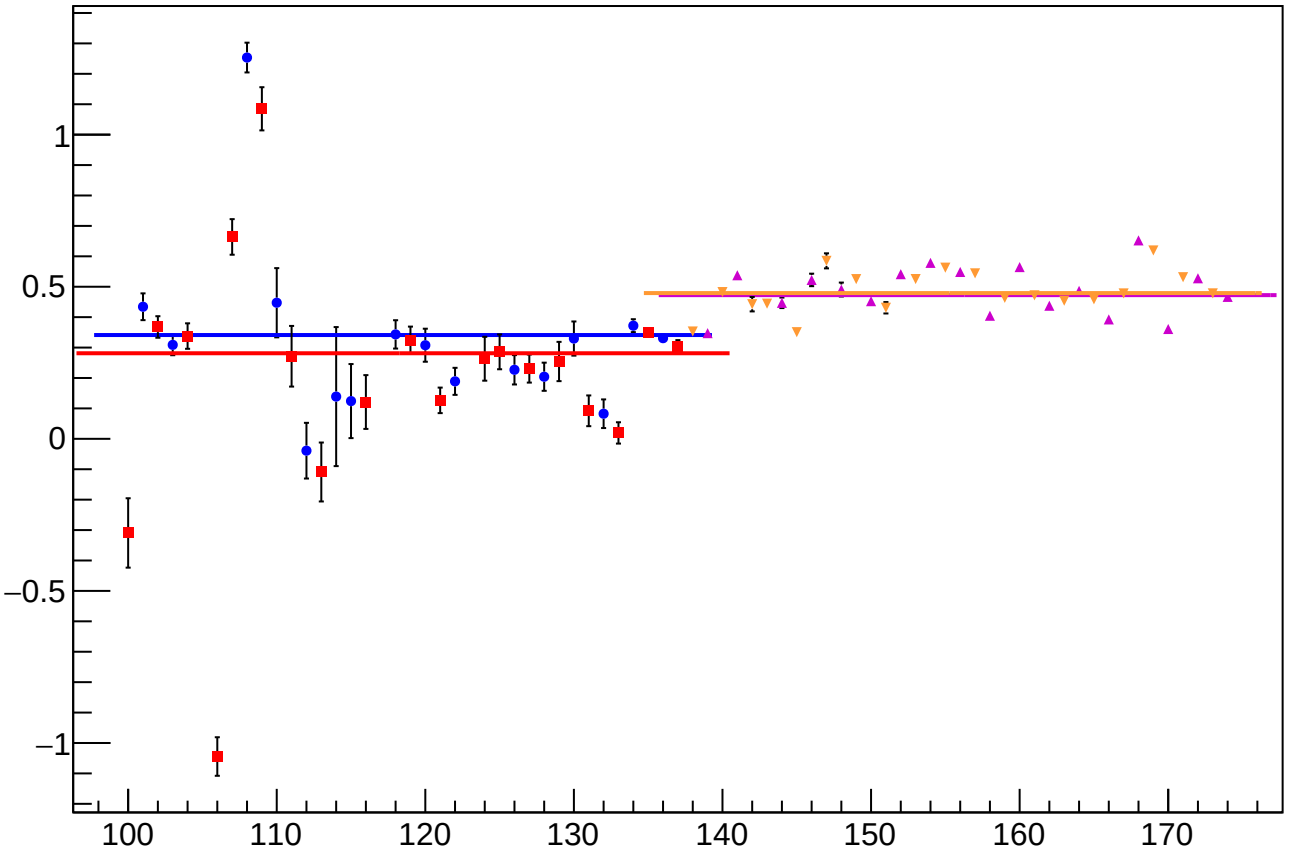
Left: 11.990+/-0.052 χ^2/NDF: 4527.4/36

Right: 12.294+/-0.108 χ^2/NDF: 5655.7/34

In: 12.205+/-0.067 χ^2/NDF:4909.3/33

Out: 11.893+/-0.066 χ^2/NDF:5269.2/37

All: 12.047+/-0.047 χ^2/NDF: 10189.6/71



Right In: 0.341+/-0.008 χ^2/NDF: 434.8/15

Left Out: 0.479+/-0.003 χ^2/NDF:427.2/18

Right Out: 0.281+/-0.008 χ^2/NDF: 777.6/18

Left In: 0.472+/-0.003 χ^2/NDF:727.6/17

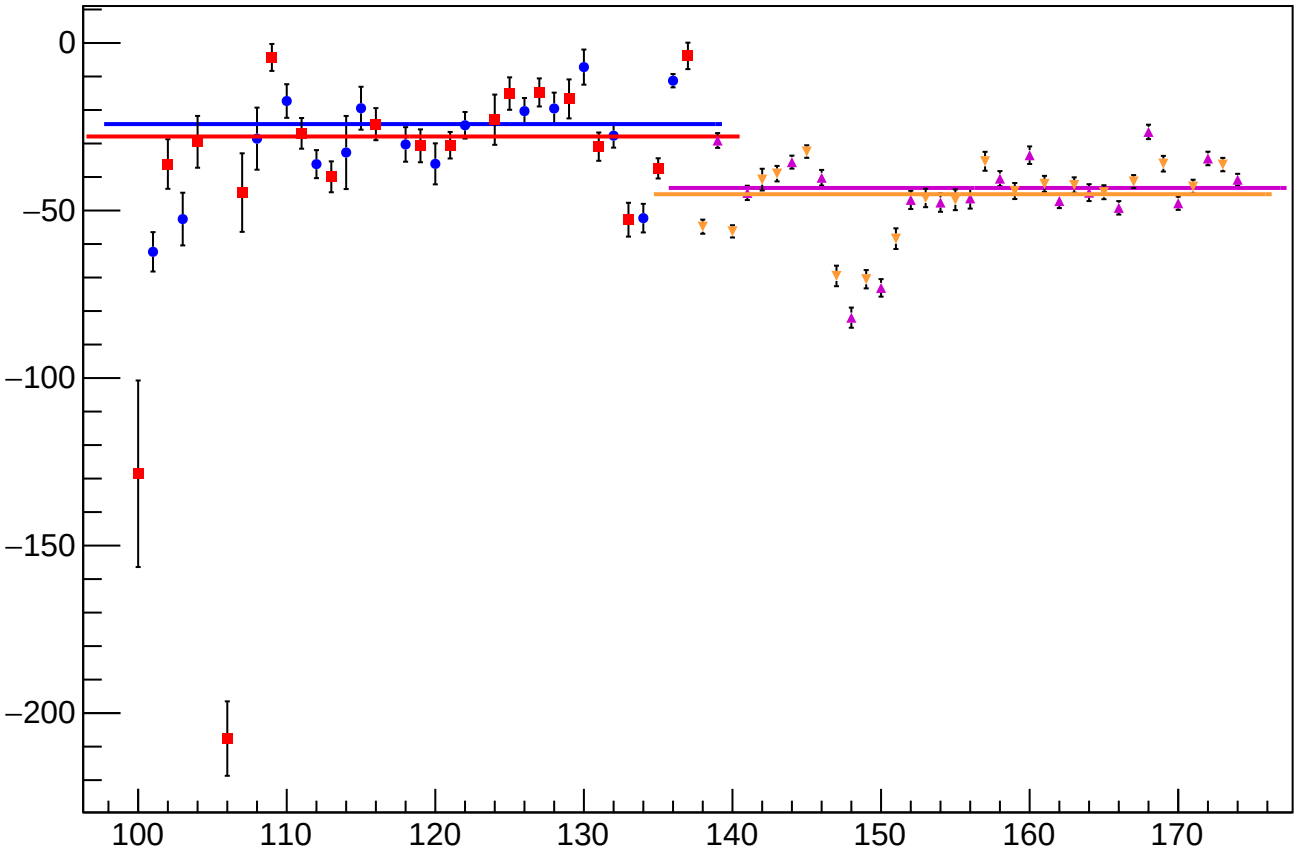
Left: 0.476+/-0.002 χ^2/NDF: 1157.1/36

Right: 0.313+/-0.006 χ^2/NDF: 1239.2/34

In: 0.454+/-0.003 χ^2/NDF:1401.8/33

Out: 0.454+/-0.003 χ^2/NDF:1682.1/37

All: 0.454+/-0.002 χ^2/NDF: 3083.9/71



Right In: -24.205+/-1.086 χ^2/NDF: 170.7/15

Left Out: -45.130+/-0.534 χ^2/NDF:336.6/18

Right Out: -27.906+/-1.137 χ^2/NDF: 413.4/18

Left In: -43.262+/-0.534 χ^2/NDF:474.7/17

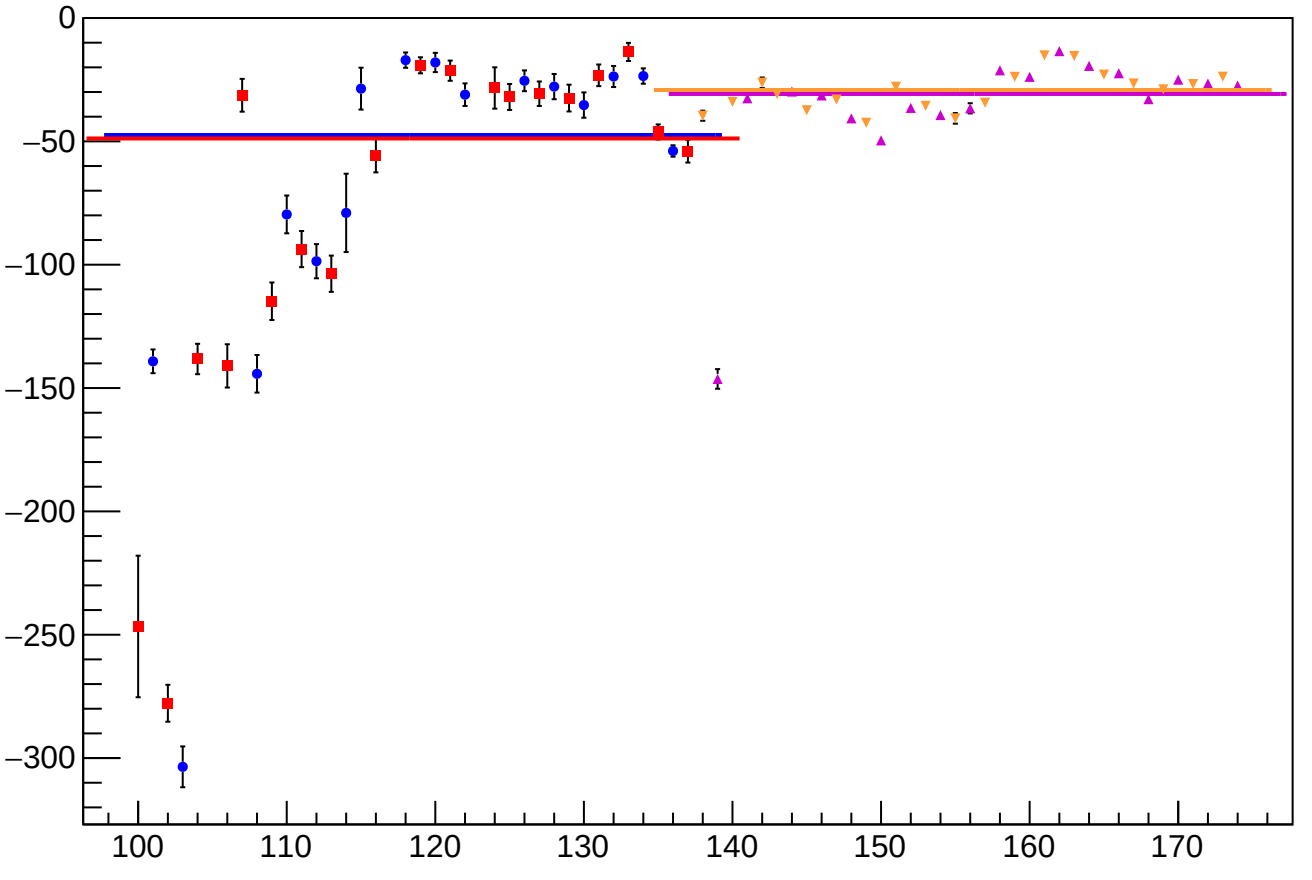
Left: -44.195+/-0.377 χ^2/NDF: 817.4/36

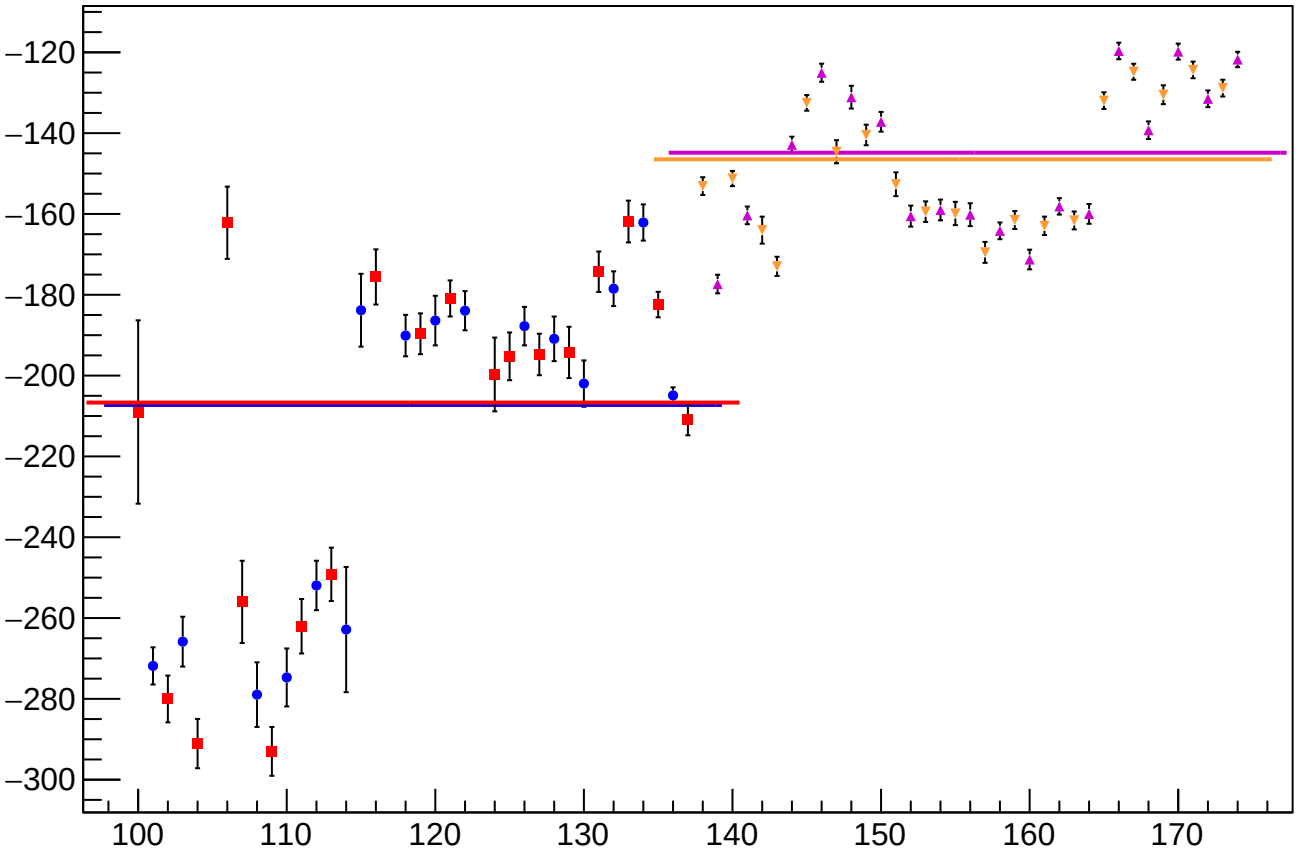
Right: -25.971+/-0.785 χ^2/NDF: 589.7/34

In: -39.558+/-0.479 χ^2/NDF:893.3/33

Out: -42.017+/-0.483 χ^2/NDF:938.0/37

All: -40.776+/-0.340 χ^2/NDF: 1844.3/71


reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
−250
−300
100
110
120
130
140
150
160
170
Right In: -47.421+/-1.101 χ²/NDF: 1873.5/15
Left Out: -29.174+/-0.383 χ²/NDF:372.7/18
Right Out: -48.831+/-1.182 χ²/NDF: 1774.6/18
Left In: -30.787+/-0.390 χ²/NDF:1303.6/17
Left: -29.965+/-0.273 χ²/NDF: 1685.0/36
Right: -48.076+/-0.806 χ²/NDF: 3648.9/34
In: -32.644+/-0.368 χ²/NDF:3379.9/33
Out: -31.042+/-0.365 χ²/NDF:2397.4/37
All: -31.835+/-0.259 χ²/NDF: 5786.9/71



Right In: -207.266+/-1.178 χ^2/NDF: 748.5/15

Left Out: -146.476+/-0.529 χ^2/NDF:904.8/18

Right Out: -206.673+/-1.279 χ^2/NDF: 969.4/18

Left In: -144.840+/-0.528 χ^2/NDF:1251.5/17

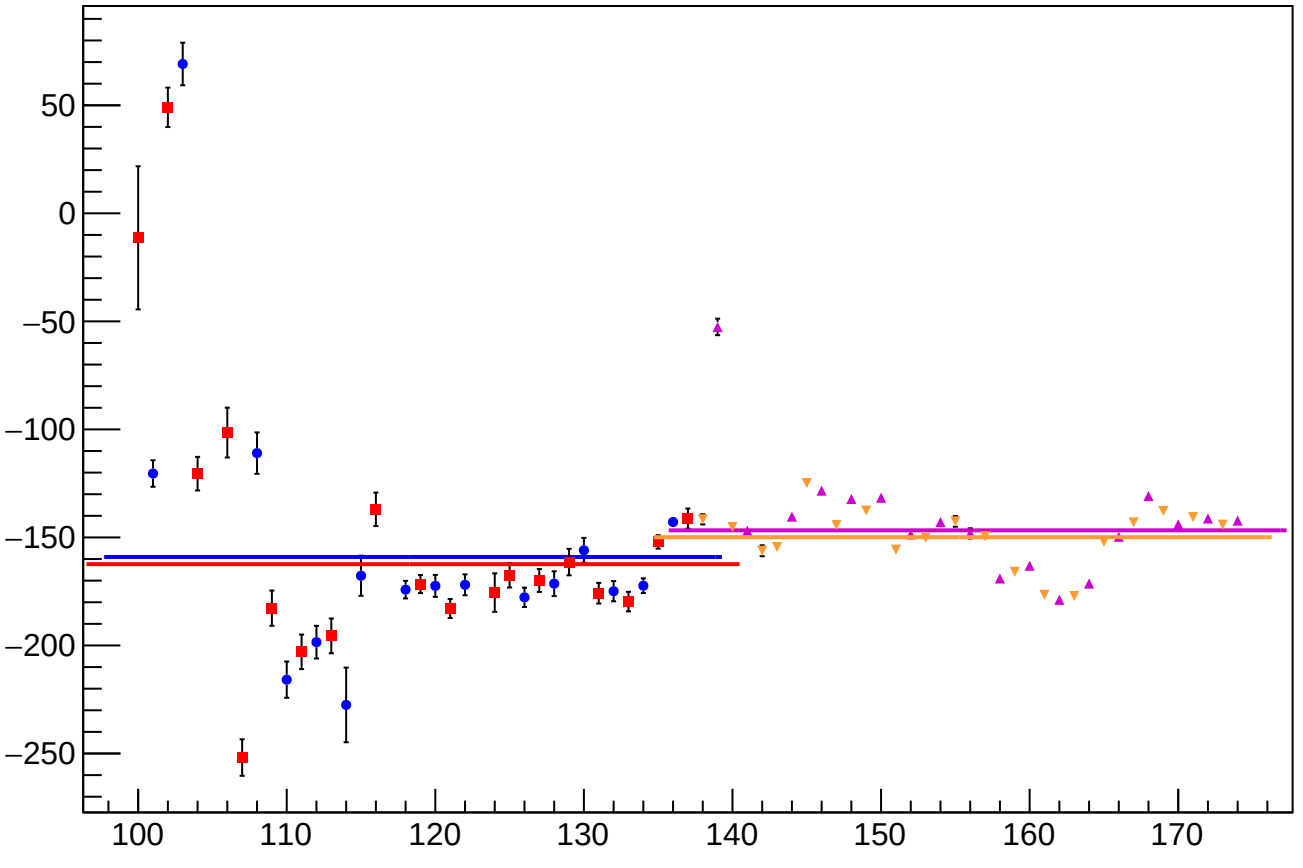
Left: -145.657+/-0.373 χ^2/NDF: 2161.1/36

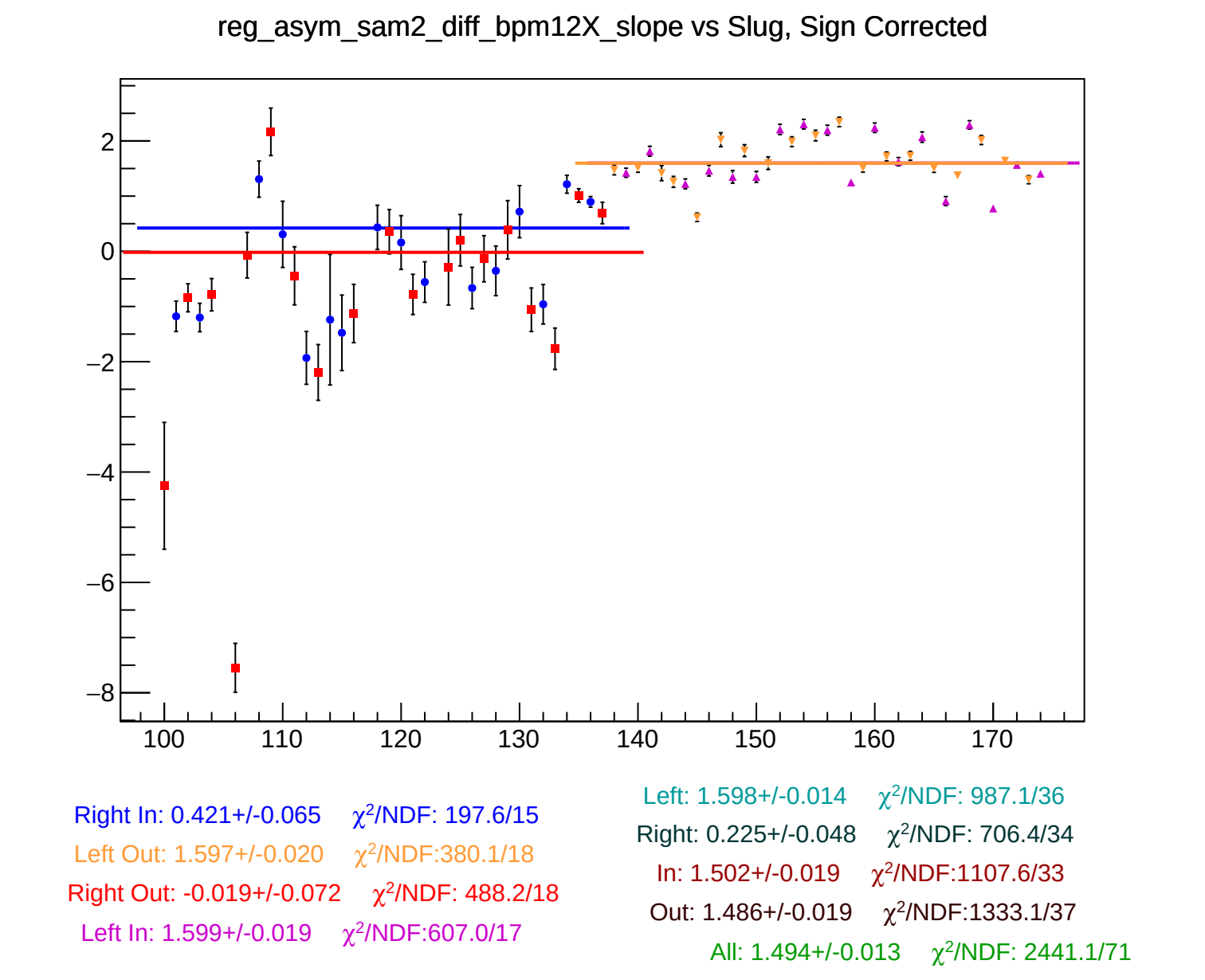
Right: -206.994+/-0.867 χ^2/NDF: 1718.0/34

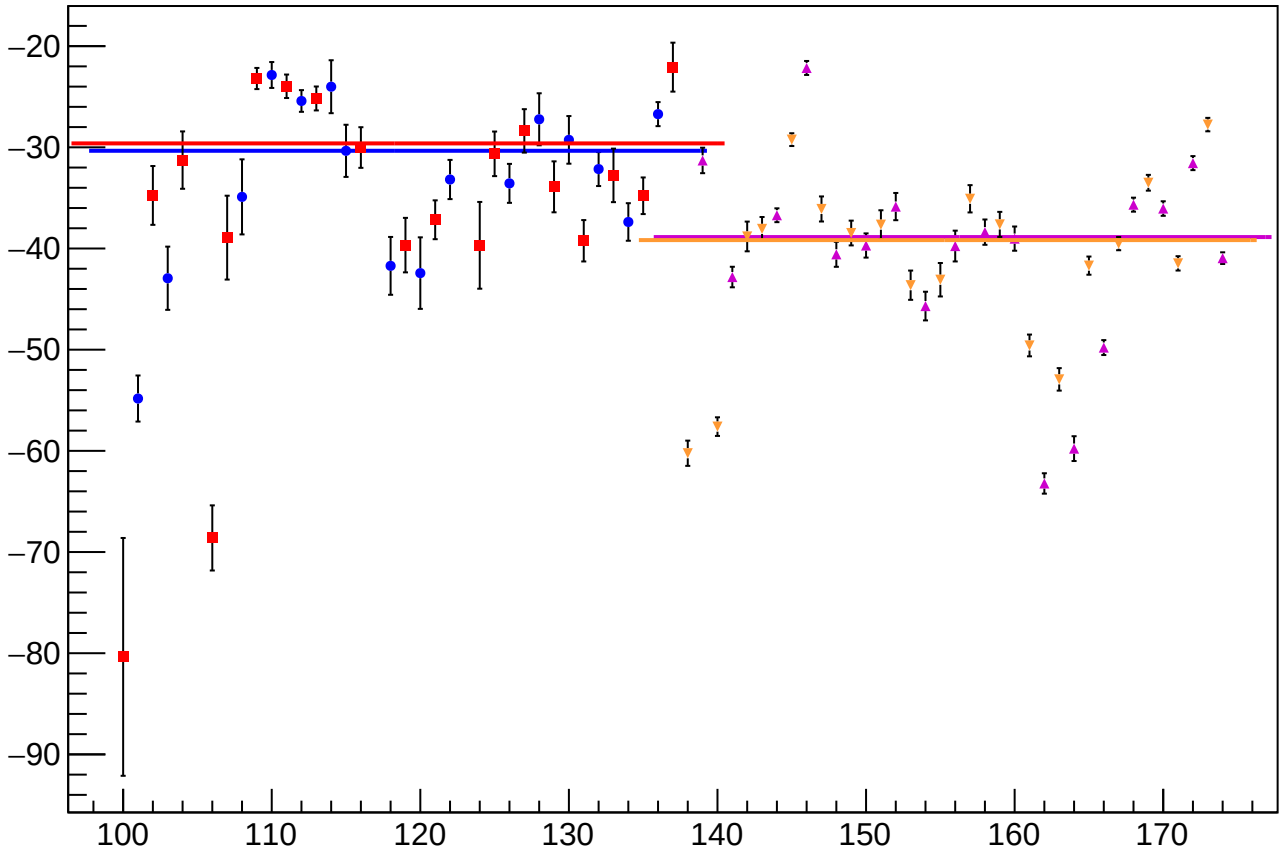
In: -155.270+/-0.482 χ^2/NDF:4337.8/33

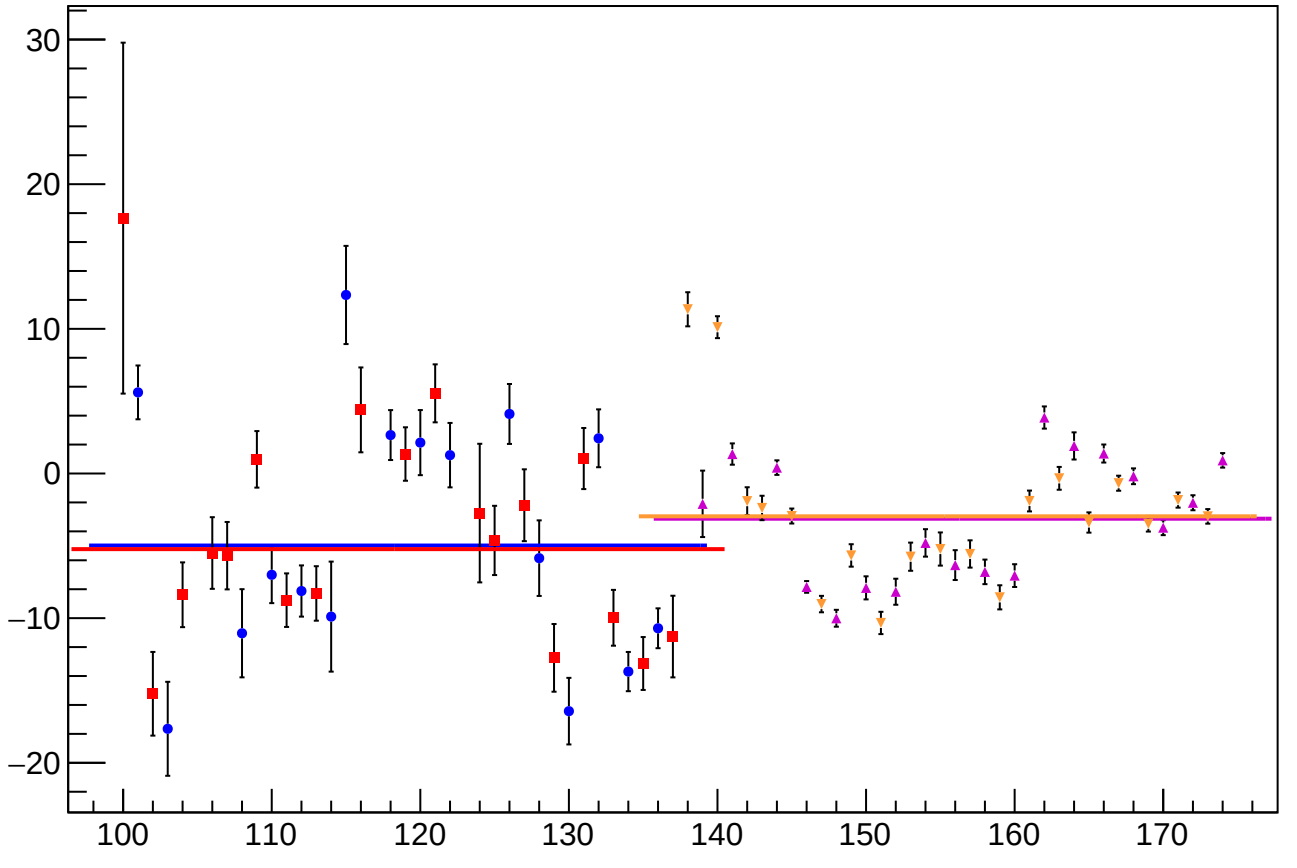
Out: -155.254+/-0.489 χ^2/NDF:3765.0/37

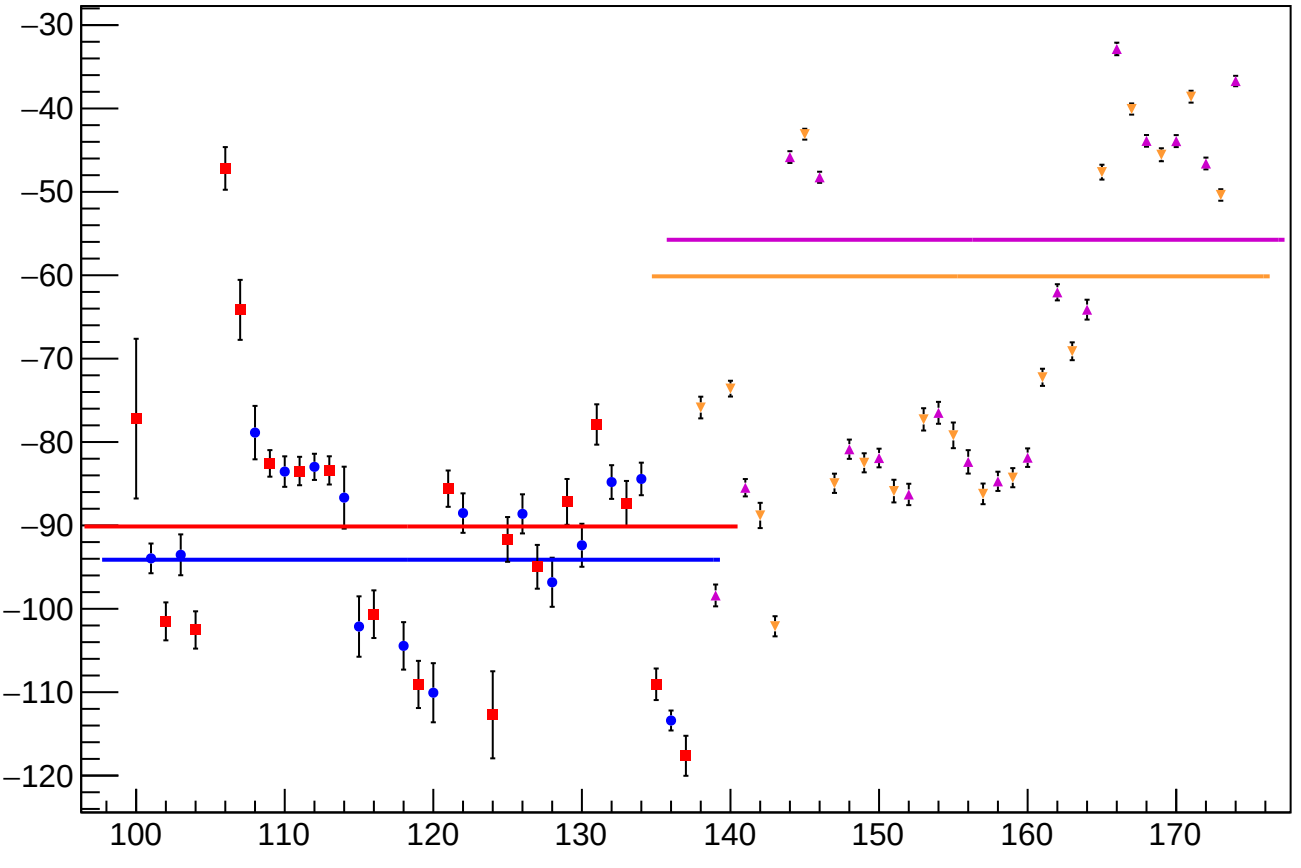
All: -155.262+/-0.343 χ^2/NDF: 8102.8/71


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -159.048+/-1.225 χ²/NDF: 815.8/15
Left Out: -149.886+/-0.436 χ²/NDF:982.9/18
Right Out: -162.370+/-1.324 χ²/NDF: 872.6/18
Left In: -146.715+/-0.441 χ²/NDF:1710.2/17
Left: -148.319+/-0.310 χ²/NDF: 2719.2/36
Right: -160.581+/-0.899 χ²/NDF: 1691.7/34
In: -148.132+/-0.415 χ²/NDF:2615.7/33
Out: -151.108+/-0.414 χ²/NDF:1935.6/37
All: -149.623+/-0.293 χ²/NDF: 4577.0/71


reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 0.421+/-0.065 χ²/NDF: 197.6/15
Left Out: 1.597+/-0.020 χ²/NDF:380.1/18
Right Out: -0.019+/-0.072 χ²/NDF: 488.2/18
Left In: 1.599+/-0.019 χ²/NDF:607.0/17
Left: 1.598+/-0.014 χ²/NDF: 987.1/36
Right: 0.225+/-0.048 χ²/NDF: 706.4/34
In: 1.502+/-0.019 χ²/NDF:1107.6/33
Out: 1.486+/-0.019 χ²/NDF:1333.1/37
All: 1.494+/-0.013 χ²/NDF: 2441.1/71


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: -39.170+/-0.221 χ²/NDF:1580.8/18
Right Out: -29.613+/-0.450 χ²/NDF: 329.2/18
Left In: -38.869+/-0.210 χ²/NDF:1932.5/17
Left: -39.012+/-0.152 χ²/NDF: 3514.2/36
Right: -29.963+/-0.324 χ²/NDF: 584.0/34
In: -37.436+/-0.192 χ²/NDF:2462.5/33
Out: -37.319+/-0.198 χ²/NDF:2272.9/37
All: -37.379+/-0.138 χ²/NDF: 4735.6/71


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -4.980+/-0.510 χ²/NDF: 237.3/15
Left Out: -2.960+/-0.159 χ²/NDF:768.4/18
Right Out: -5.228+/-0.524 χ²/NDF: 136.5/18
Left In: -3.125+/-0.152 χ²/NDF:748.7/17
Left: -3.046+/-0.110 χ²/NDF: 1517.7/36
Right: -5.100+/-0.365 χ²/NDF: 373.9/34
In: -3.277+/-0.146 χ²/NDF:998.2/33
Out: -3.150+/-0.152 χ²/NDF:922.1/37
All: -3.216+/-0.105 χ²/NDF: 1920.6/71



Right In: -94.115+/-0.537 χ^2/NDF: 466.8/15

Left Out: -60.131+/-0.220 χ^2/NDF:7777.4/18

Right Out: -90.127+/-0.543 χ^2/NDF: 789.3/18

Left In: -55.745+/-0.210 χ^2/NDF:8257.2/17

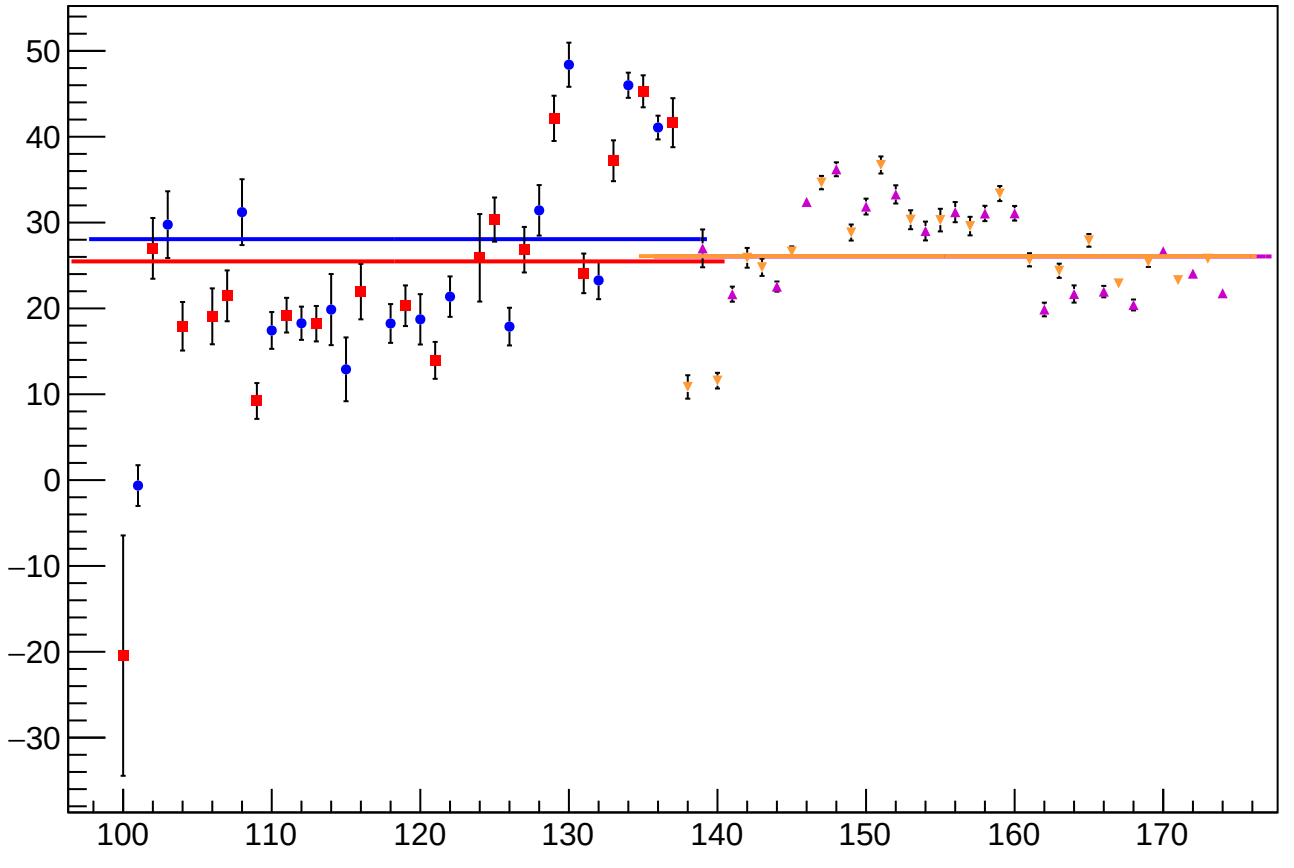
Left: -57.837+/-0.152 χ^2/NDF: 16242.4/36

Right: -92.143+/-0.382 χ^2/NDF: 1283.5/34

In: -60.838+/-0.196 χ^2/NDF:13151.4/33

Out: -64.361+/-0.204 χ^2/NDF:11188.6/37

All: -62.527+/-0.141 χ^2/NDF: 24495.5/71



Right In: 28.068+/-0.569 χ^2/NDF: 583.1/15

Left Out: 26.089+/-0.180 χ^2/NDF:794.8/18

Right Out: 25.477+/-0.590 χ^2/NDF: 354.6/18

Left In: 26.053+/-0.174 χ^2/NDF:825.8/17

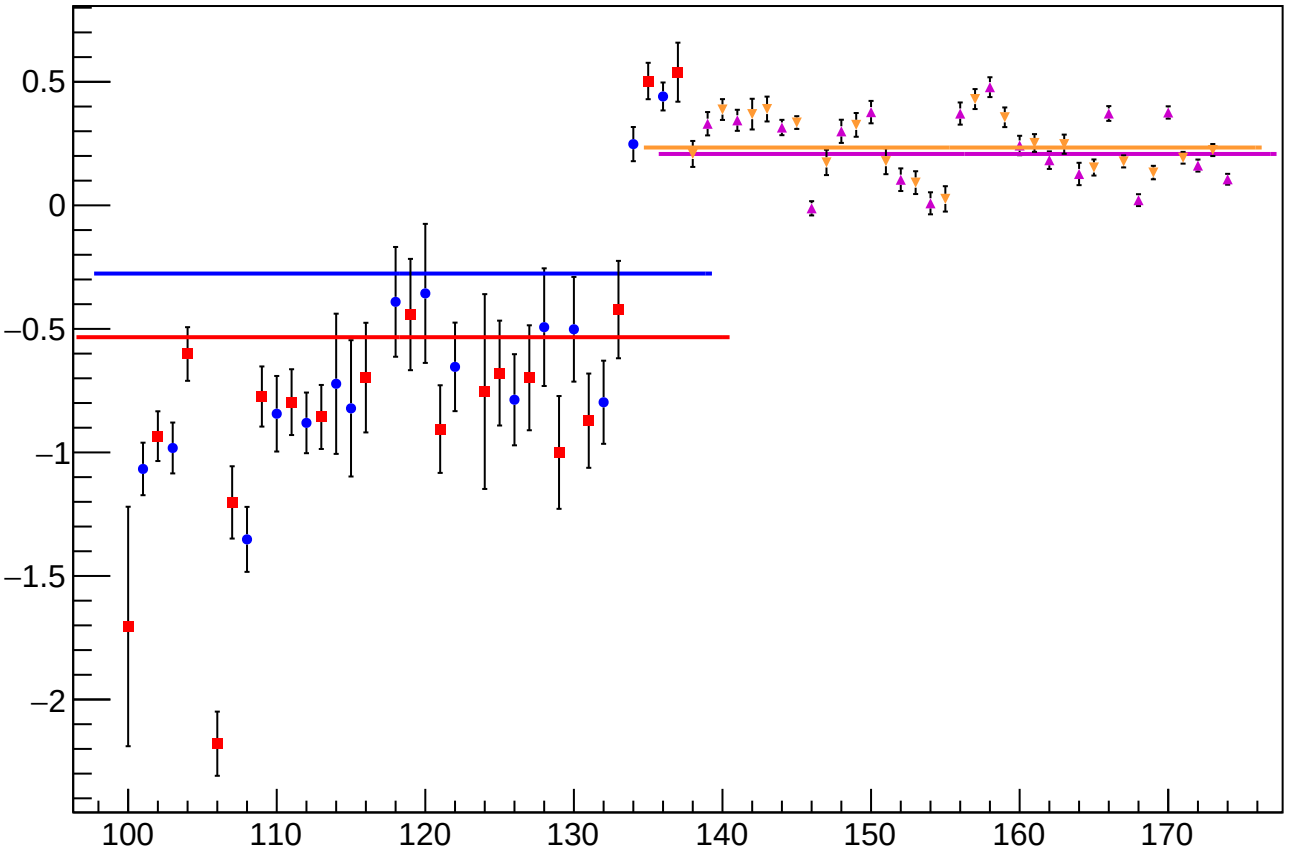
Left: 26.070+/-0.125 χ^2/NDF: 1620.7/36

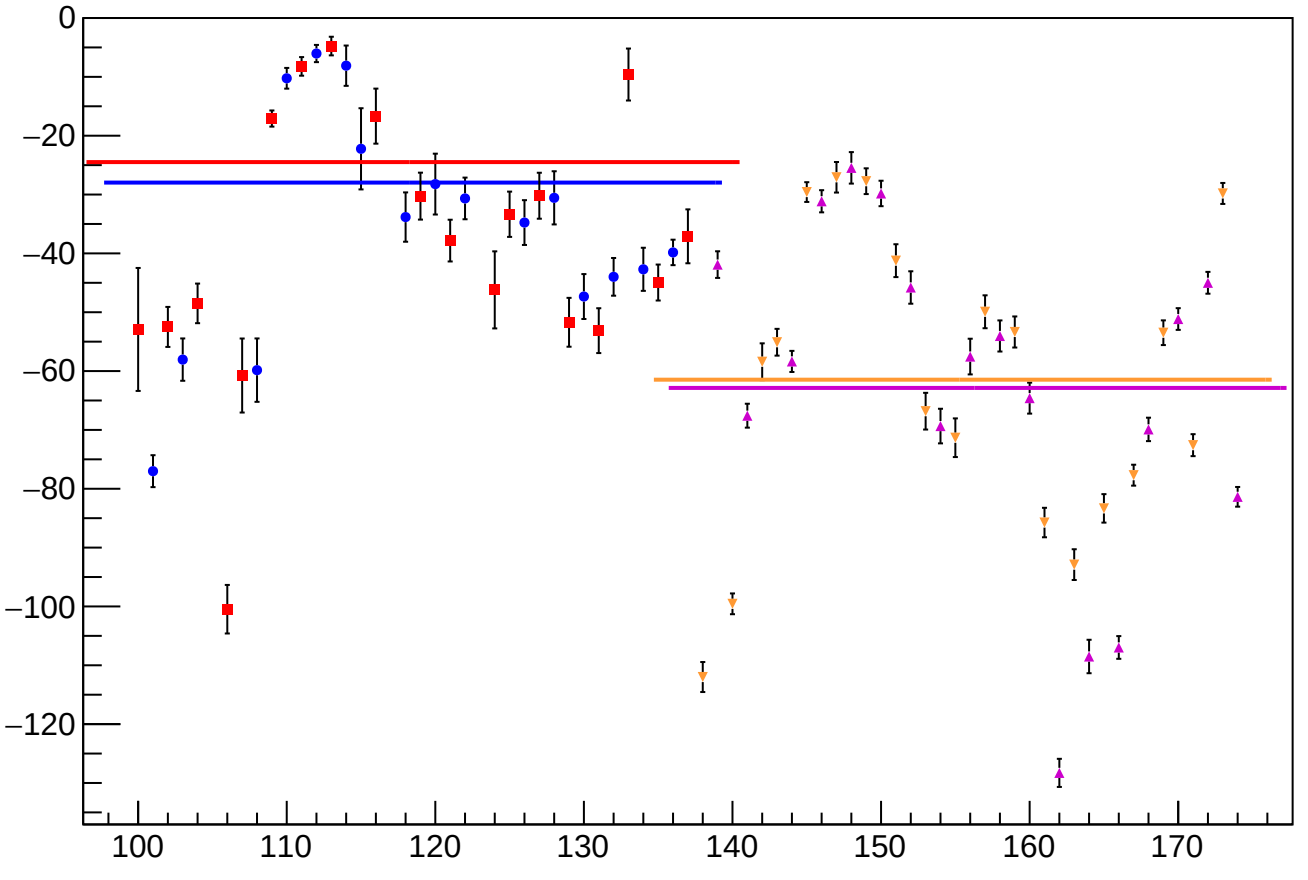
Right: 26.821+/-0.410 χ^2/NDF: 947.7/34

In: 26.225+/-0.166 χ^2/NDF:1420.4/33

Out: 26.037+/-0.172 χ^2/NDF:1150.4/37

All: 26.134+/-0.120 χ^2/NDF: 2571.5/71


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: 0.234+/-0.008 χ²/NDF:137.1/18
Right Out: -0.534+/-0.033 χ²/NDF: 510.3/18
Left In: 0.208+/-0.008 χ²/NDF:354.5/17
Left: 0.221+/-0.006 χ²/NDF: 496.9/36
Right: -0.396+/-0.022 χ²/NDF: 998.8/34
In: 0.179+/-0.008 χ²/NDF:1044.5/33
Out: 0.190+/-0.008 χ²/NDF:1162.1/37
All: 0.184+/-0.005 χ²/NDF: 2207.7/71



Right In: -27.967+/-0.728 χ^2/NDF: 894.7/15

Left Out: -61.463+/-0.520 χ^2/NDF:2499.8/18

Right Out: -24.485+/-0.663 χ^2/NDF: 989.7/18

Left In: -62.864+/-0.514 χ^2/NDF:2665.2/17

Left: -62.172+/-0.365 χ^2/NDF: 5168.7/36

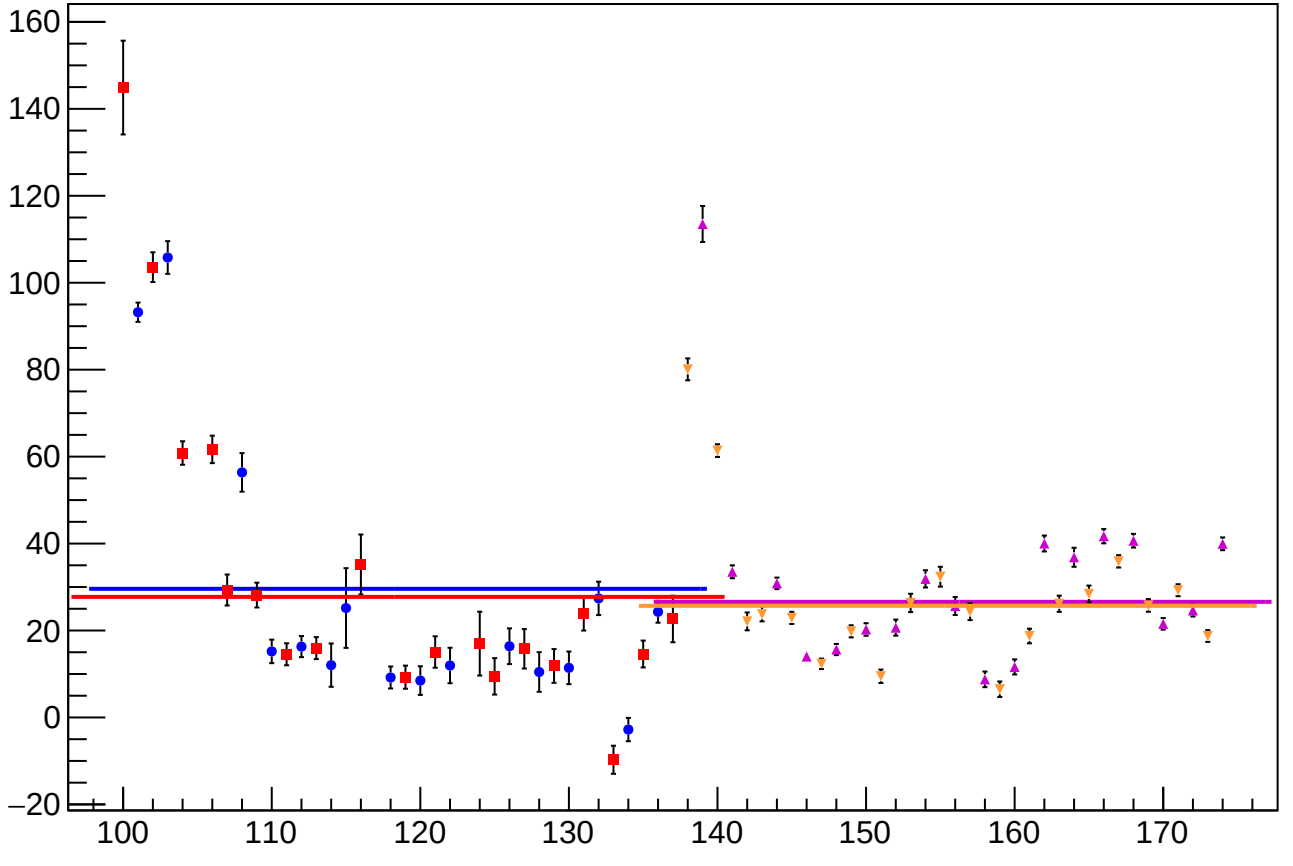
Right: -26.064+/-0.490 χ^2/NDF: 1896.8/34

In: -51.252+/-0.420 χ^2/NDF:5094.8/33

Out: -47.375+/-0.409 χ^2/NDF:5415.9/37

All: -49.264+/-0.293 χ^2/NDF: 10554.5/71

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.594+/-0.807 χ^2/NDF: 1665.7/15

Left Out: 25.669+/-0.370 χ^2/NDF:1542.8/18

Right Out: 27.736+/-0.797 χ^2/NDF: 1185.1/18

Left In: 26.595+/-0.374 χ^2/NDF:1213.9/17

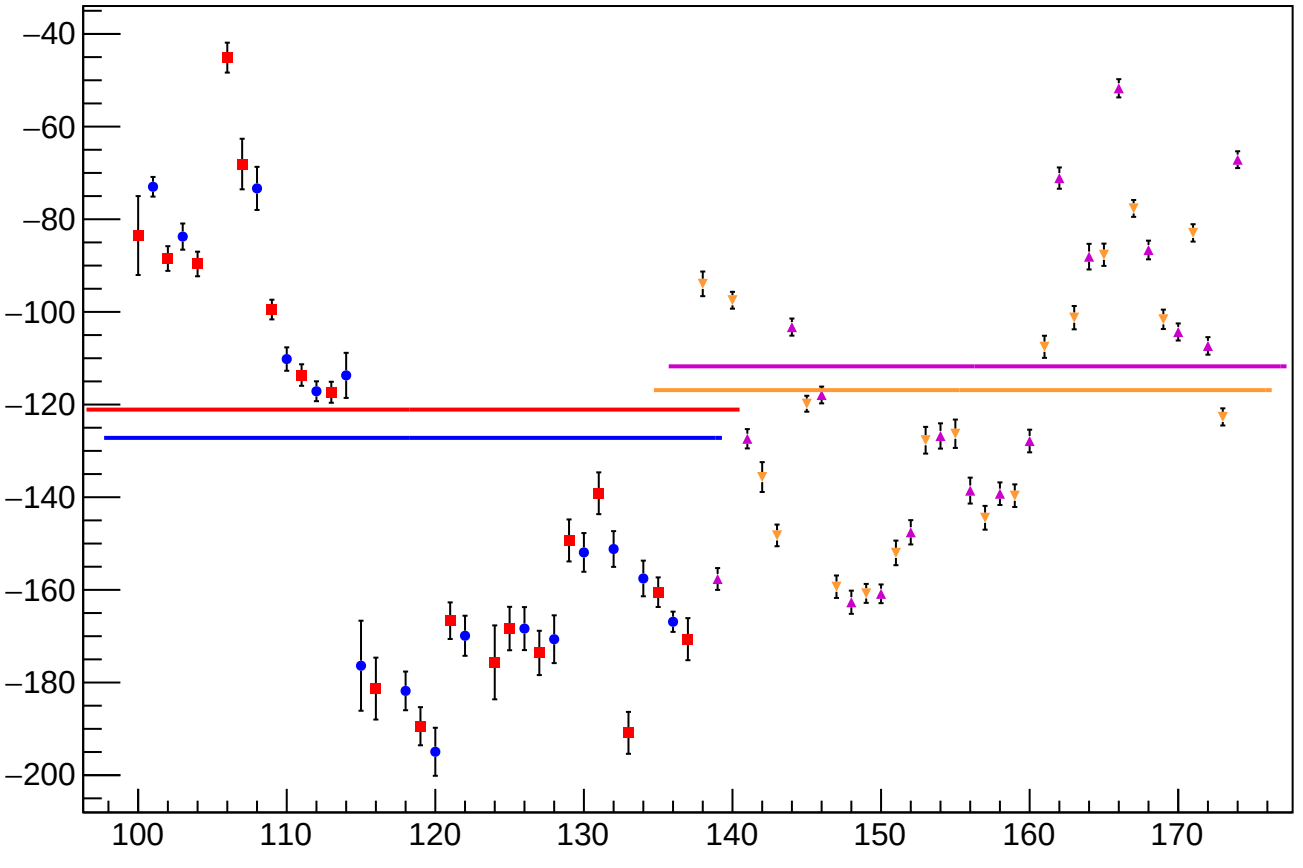
Left: 26.128+/-0.263 χ^2/NDF: 2759.8/36

Right: 28.653+/-0.567 χ^2/NDF: 2853.5/34

In: 27.124+/-0.339 χ^2/NDF:2890.9/33

Out: 26.036+/-0.336 χ^2/NDF:2733.4/37

All: 26.575+/-0.239 χ^2/NDF: 5629.6/71



Right In: -127.190+/-0.829 χ^2/NDF: 2178.2/15

Left Out: -116.881+/-0.515 χ^2/NDF:2627.0/18

Right Out: -121.086+/-0.798 χ^2/NDF: 2397.3/18

Left In: -111.750+/-0.509 χ^2/NDF:4048.2/17

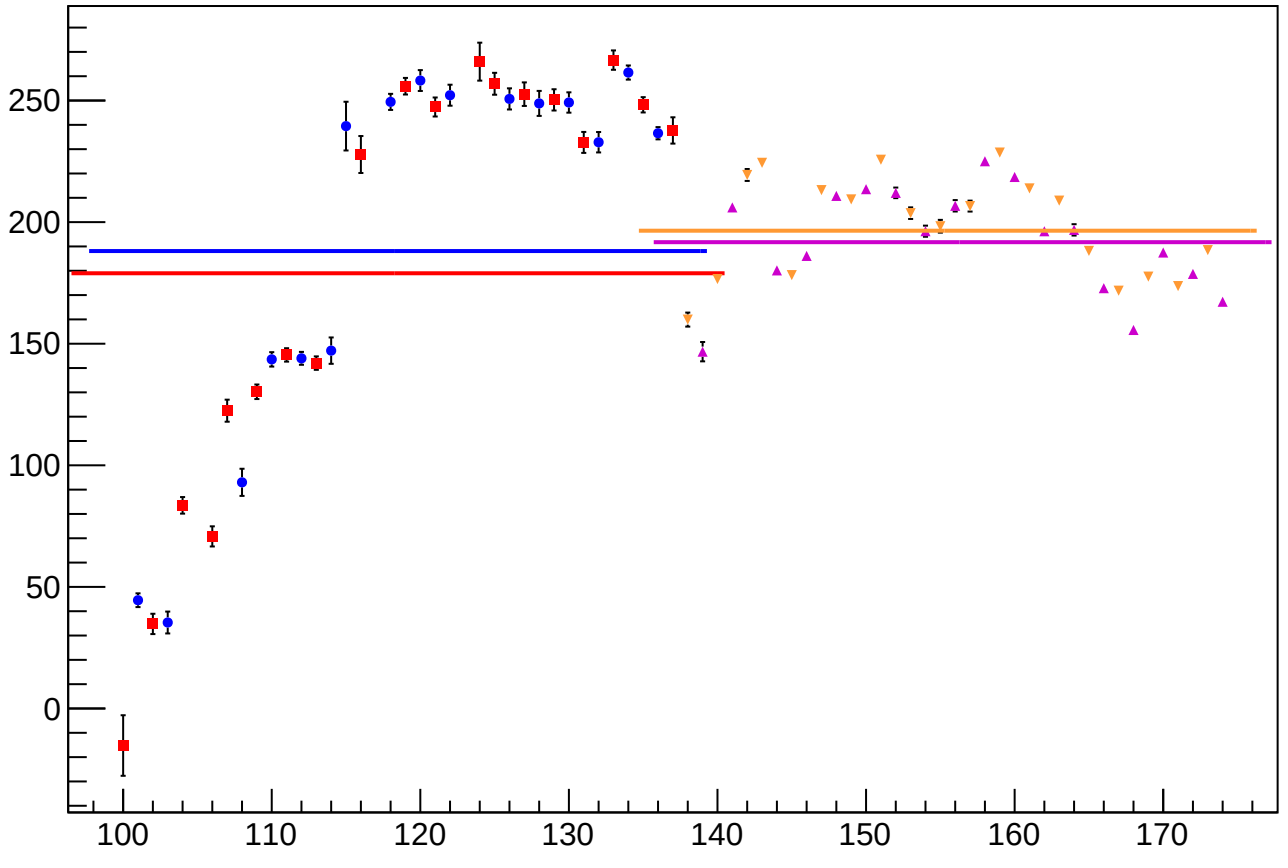
Left: -114.286+/-0.362 χ^2/NDF: 6725.4/36

Right: -124.019+/-0.575 χ^2/NDF: 4603.6/34

In: -115.978+/-0.434 χ^2/NDF:6478.1/33

Out: -118.119+/-0.433 χ^2/NDF:5043.9/37

All: -117.052+/-0.306 χ^2/NDF: 11534.1/71



Right In: 188.107+/-0.918 χ^2/NDF: 7118.6/15

Left Out: 196.474+/-0.424 χ^2/NDF:2203.5/18

Right Out: 178.971+/-0.908 χ^2/NDF: 6668.8/18

Left In: 191.756+/-0.426 χ^2/NDF:2042.8/17

Left: 194.121+/-0.301 χ^2/NDF: 4307.9/36

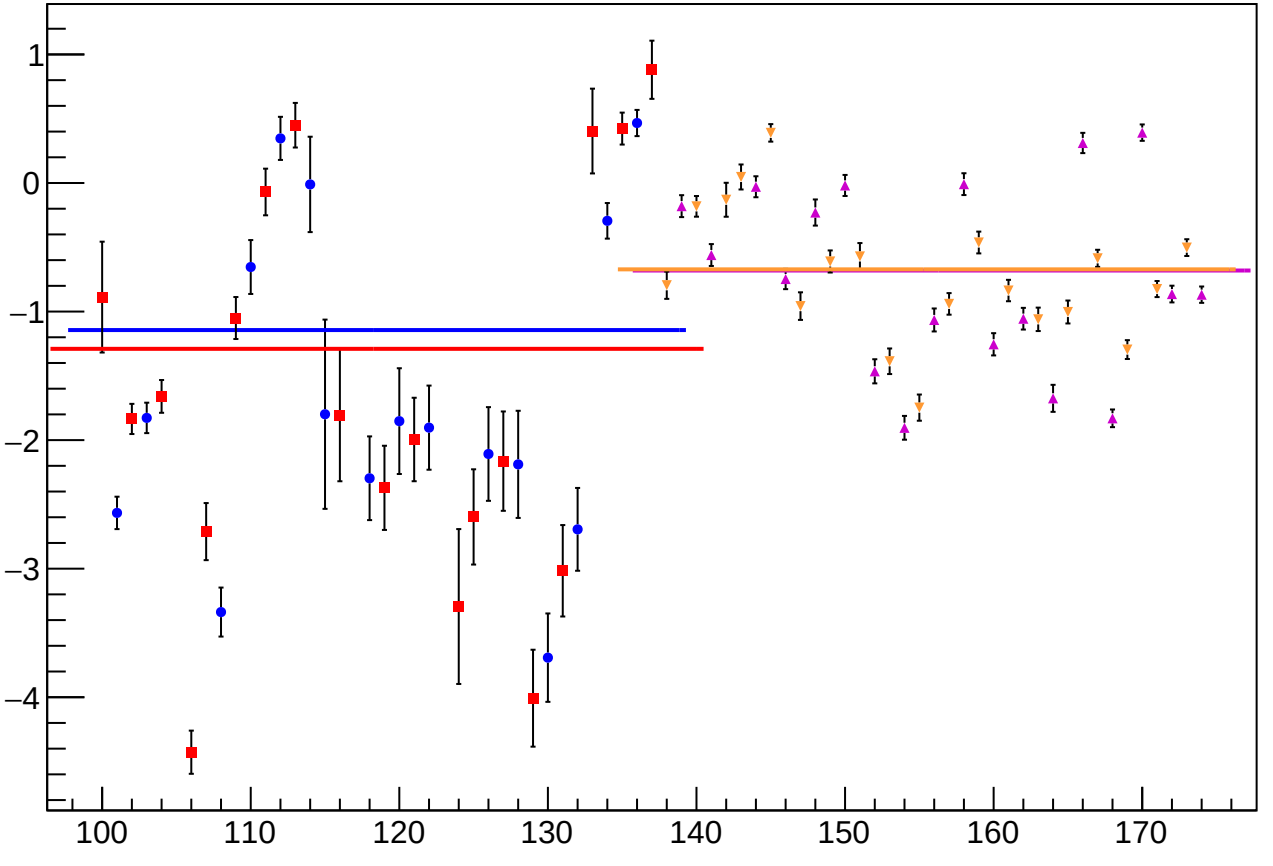
Right: 183.489+/-0.646 χ^2/NDF: 13837.5/34

In: 191.111+/-0.386 χ^2/NDF:9174.4/33

Out: 193.335+/-0.385 χ^2/NDF:9177.2/37

All: 192.227+/-0.272 χ^2/NDF: 18368.3/71

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.144+/-0.048 χ^2/NDF: 787.4/15

Left Out: -0.672+/-0.019 χ^2/NDF:663.3/18

Right Out: -1.290+/-0.047 χ^2/NDF: 998.3/18

Left In: -0.681+/-0.019 χ^2/NDF:1402.7/17

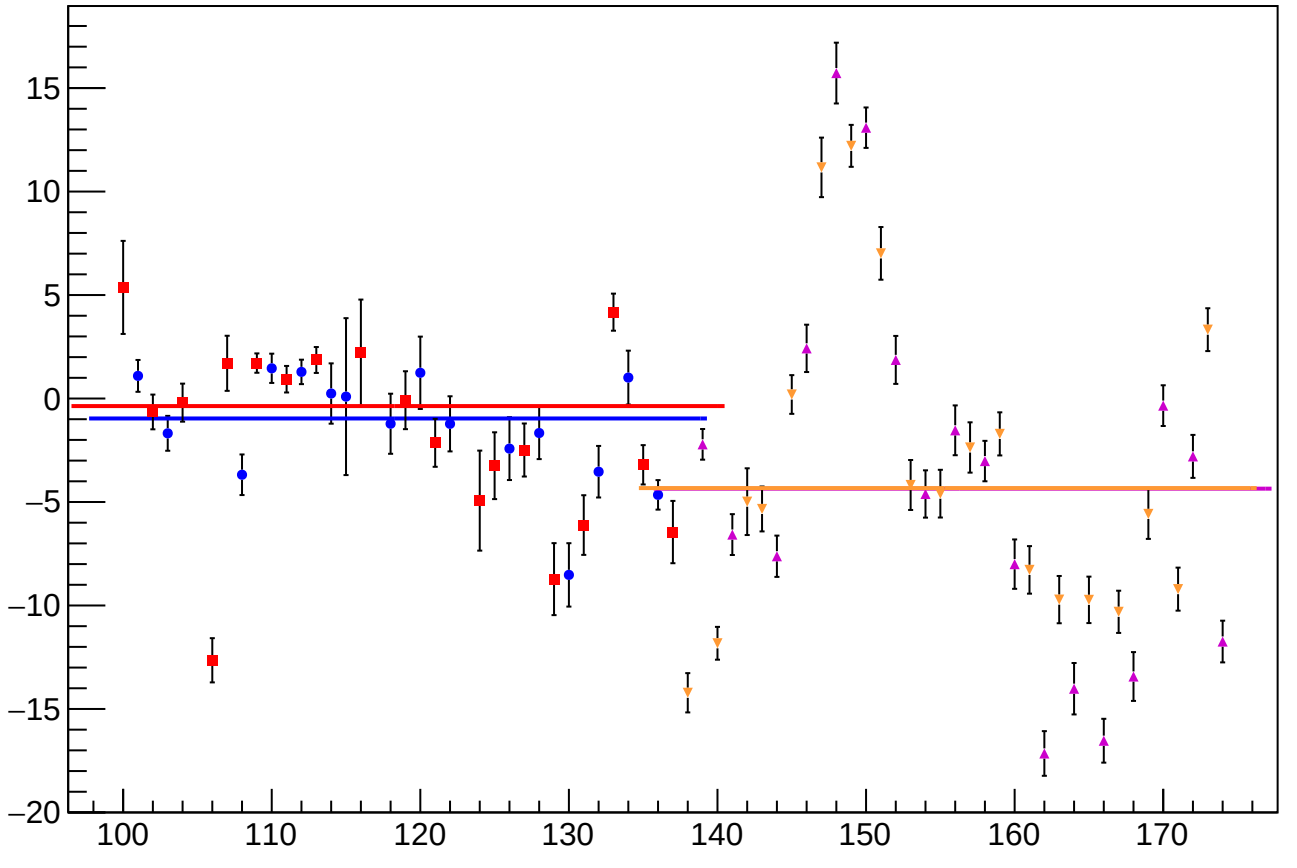
Left: -0.676+/-0.013 χ^2/NDF: 2066.2/36

Right: -1.218+/-0.034 χ^2/NDF: 1790.3/34

In: -0.743+/-0.018 χ^2/NDF:2270.6/33

Out: -0.759+/-0.018 χ^2/NDF:1807.4/37

All: -0.751+/-0.013 χ^2/NDF: 4078.5/71



Right In: -0.964+/-0.253 χ^2/NDF: 103.2/15

Left Out: -4.328+/-0.250 χ^2/NDF:862.6/18

Right Out: -0.365+/-0.224 χ^2/NDF: 280.6/18

Left In: -4.355+/-0.249 χ^2/NDF:1075.9/17

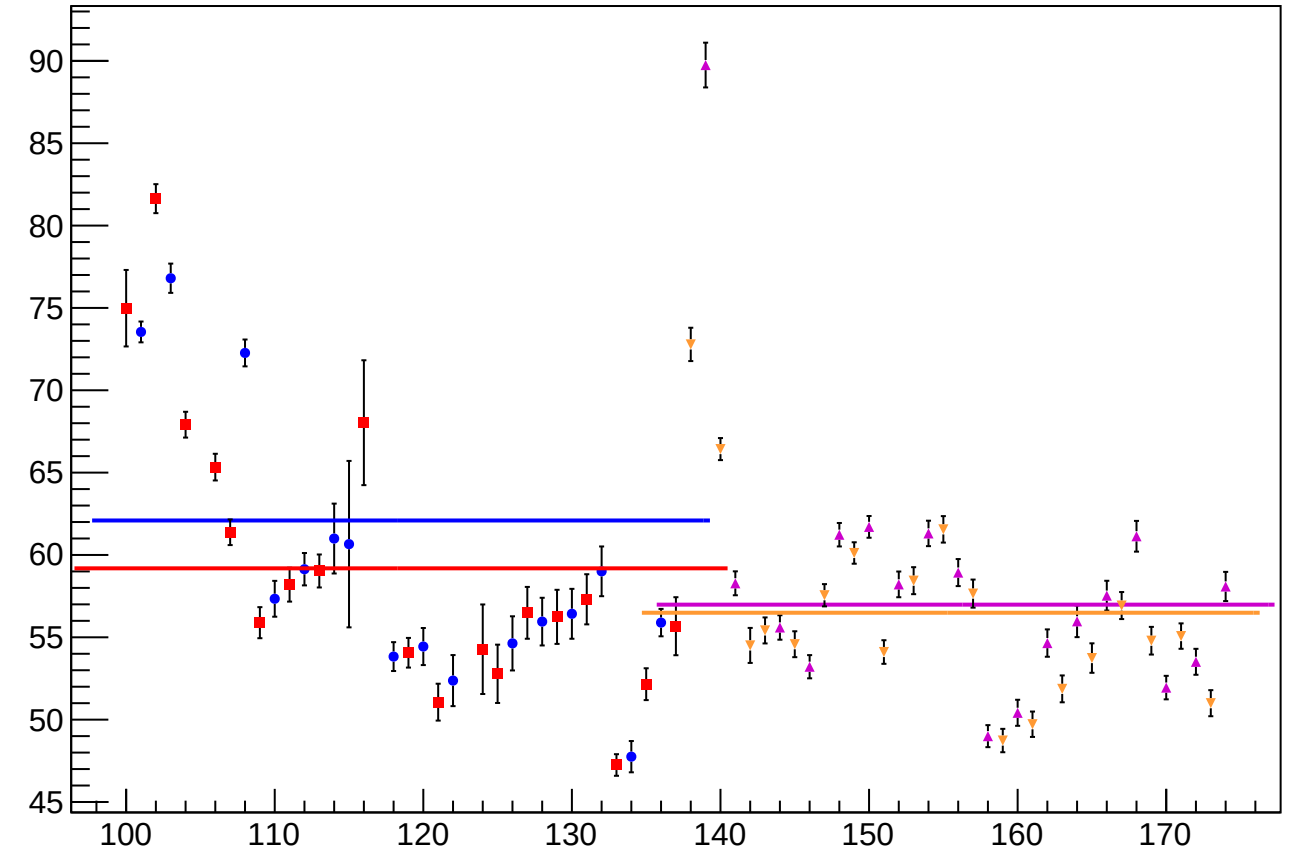
Left: -4.342+/-0.176 χ^2/NDF: 1938.4/36

Right: -0.628+/-0.168 χ^2/NDF: 386.9/34

In: -2.689+/-0.177 χ^2/NDF:1270.3/33

Out: -2.128+/-0.167 χ^2/NDF:1282.7/37

All: -2.391+/-0.122 χ^2/NDF: 2558.3/71



Right In: 62.094+/-0.265 χ^2/NDF: 1301.3/15

Left Out: 56.491+/-0.180 χ^2/NDF:876.6/18

Right Out: 59.188+/-0.244 χ^2/NDF: 1402.1/18

Left In: 56.983+/-0.186 χ^2/NDF:1054.0/17

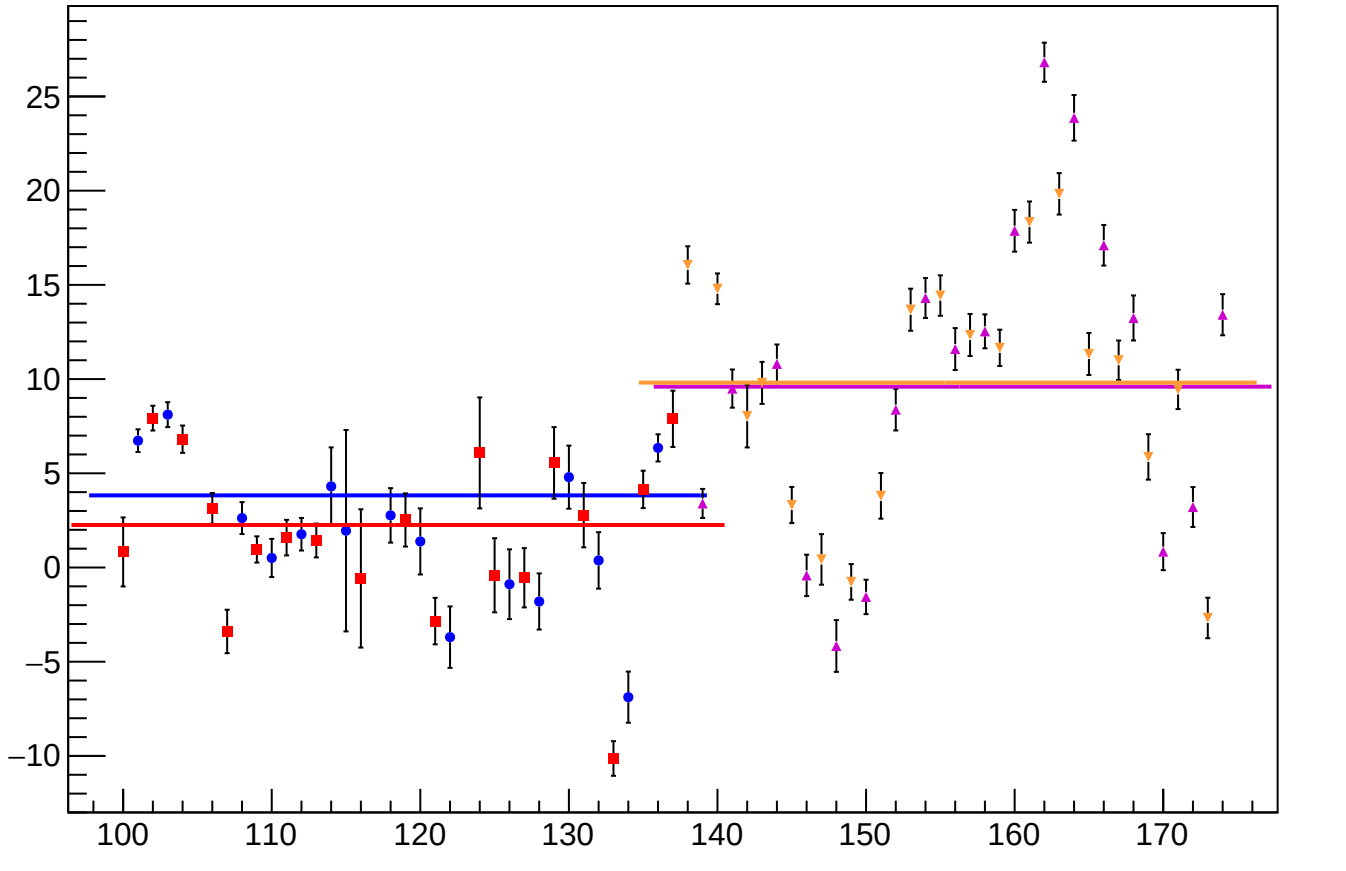
Left: 56.729+/-0.129 χ^2/NDF: 1934.3/36

Right: 60.518+/-0.180 χ^2/NDF: 2768.4/34

In: 58.666+/-0.152 χ^2/NDF:2604.0/33

Out: 57.444+/-0.145 χ^2/NDF:2357.9/37

All: 58.024+/-0.105 χ^2/NDF: 4995.8/71



Right In: 3.828+/-0.265 χ^2/NDF: 208.6/15

Left Out: 9.814+/-0.246 χ^2/NDF:654.5/18

Right Out: 2.257+/-0.246 χ^2/NDF: 371.9/18

Left In: 9.598+/-0.245 χ^2/NDF:1089.4/17

Left: 9.705+/-0.174 χ^2/NDF: 1744.2/36

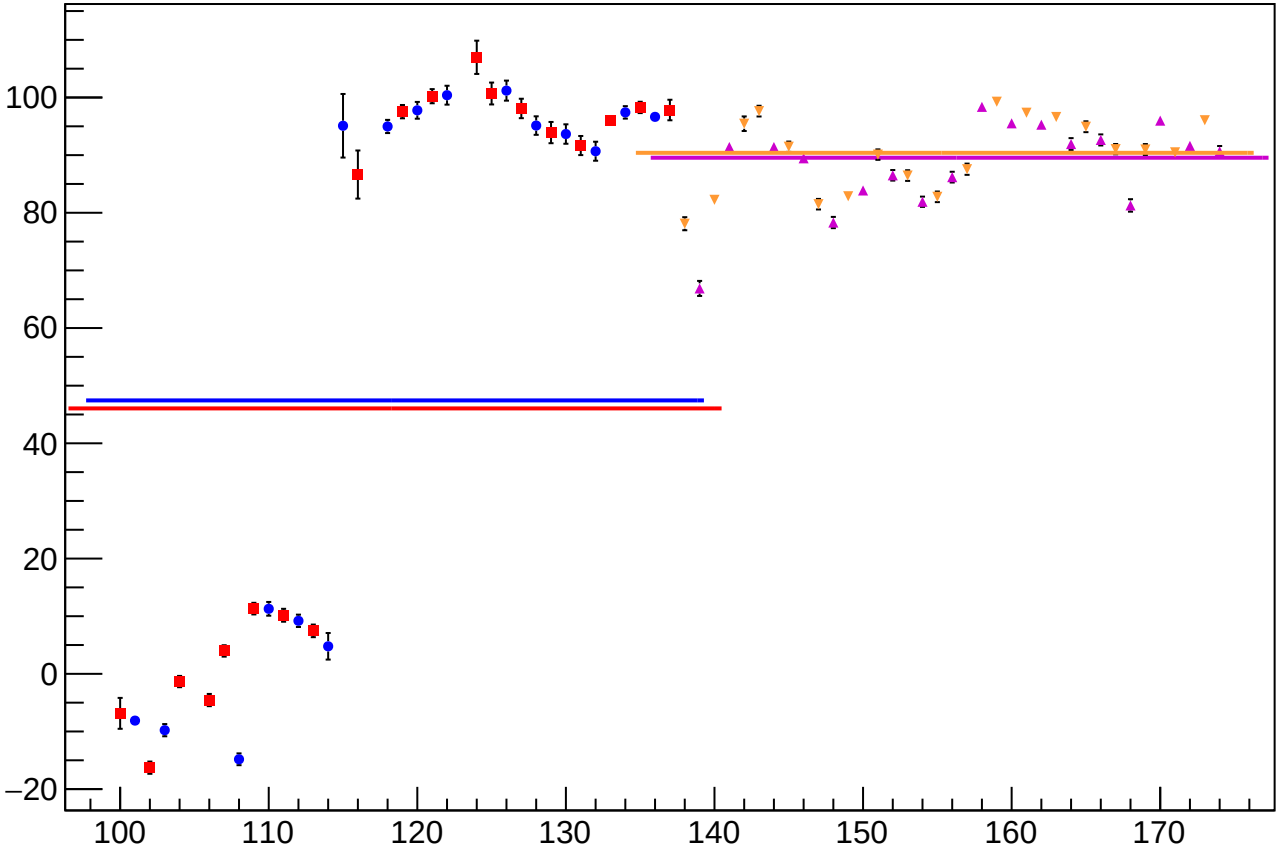
Right: 2.985+/-0.181 χ^2/NDF: 599.4/34

In: 6.942+/-0.180 χ^2/NDF:1553.3/33

Out: 6.043+/-0.174 χ^2/NDF:1497.5/37

All: 6.478+/-0.125 χ^2/NDF: 3063.7/71

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.443+/-0.308 χ^2/NDF: 26886.9/15

Left Out: 90.402+/-0.205 χ^2/NDF:917.4/18

Right Out: 46.053+/-0.284 χ^2/NDF: 28897.8/18

Left In: 89.550+/-0.210 χ^2/NDF:998.2/17

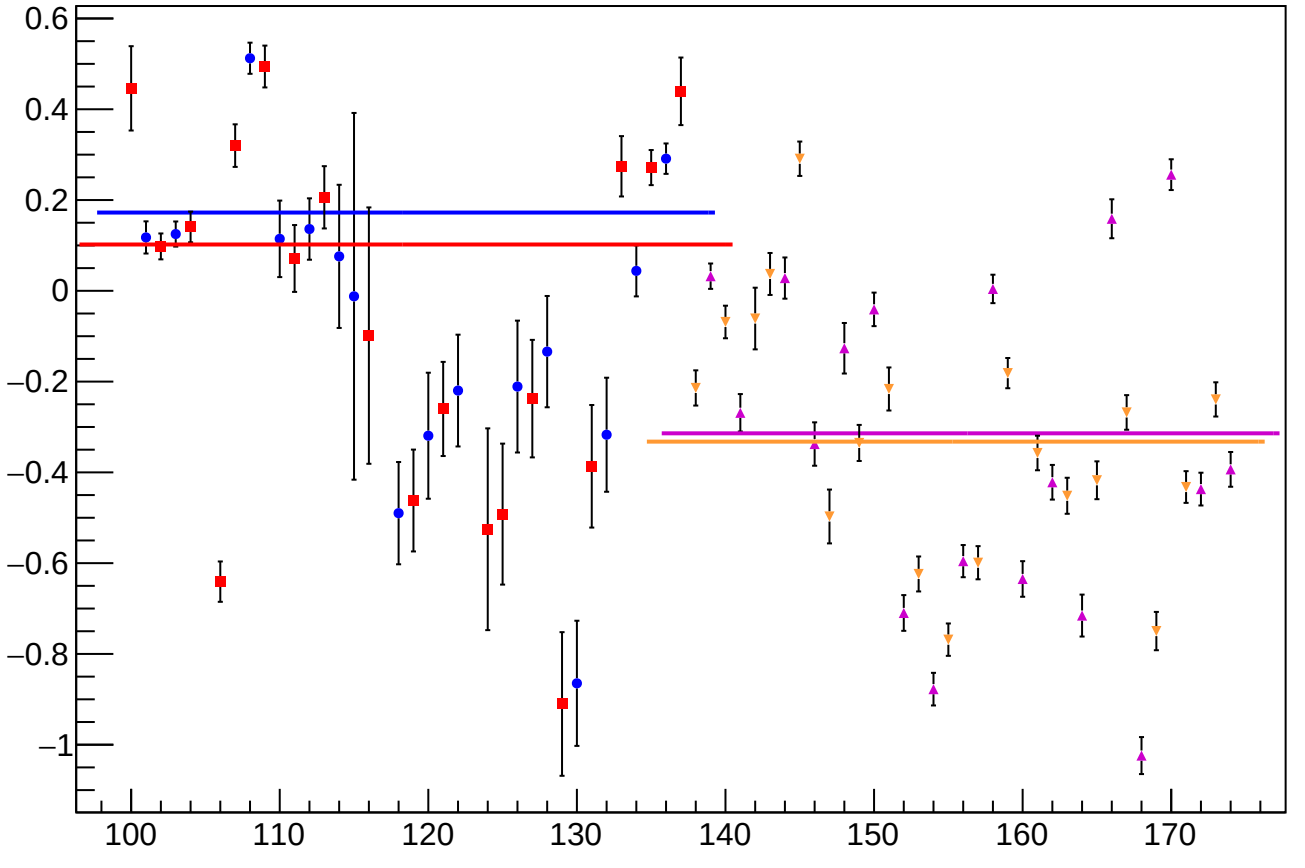
Left: 89.985+/-0.147 χ^2/NDF: 1923.9/36

Right: 46.693+/-0.209 χ^2/NDF: 55795.7/34

In: 76.229+/-0.173 χ^2/NDF:40657.4/33

Out: 75.212+/-0.166 χ^2/NDF:45799.5/37

All: 75.700+/-0.120 χ^2/NDF: 86474.8/71



Right In: 0.172+/-0.014 χ^2/NDF: 265.0/15

Left Out: -0.332+/-0.009 χ^2/NDF:836.9/18

Right Out: 0.102+/-0.013 χ^2/NDF: 558.7/18

Left In: -0.314+/-0.009 χ^2/NDF:1664.5/17

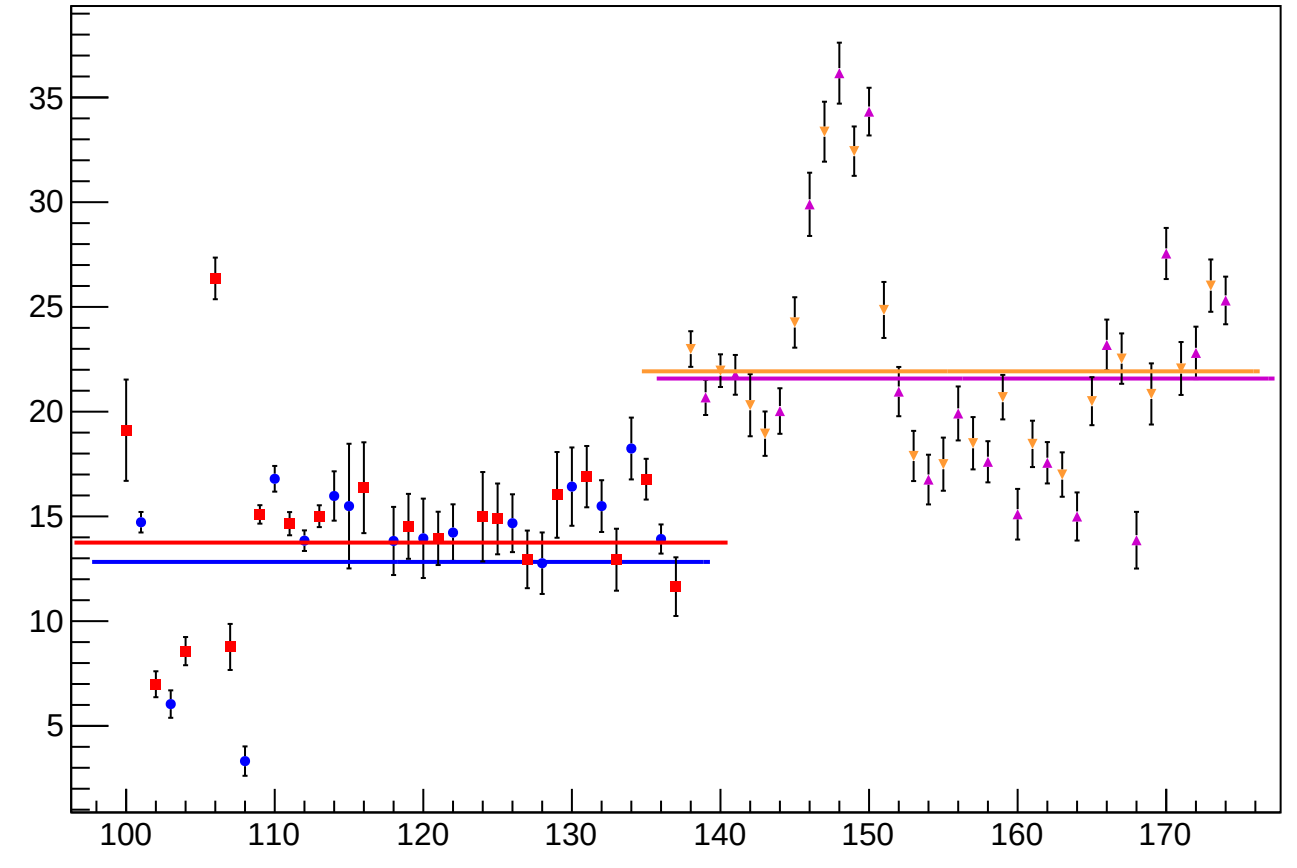
Left: -0.323+/-0.006 χ^2/NDF: 2503.4/36

Right: 0.135+/-0.010 χ^2/NDF: 836.7/34

In: -0.174+/-0.008 χ^2/NDF:2770.7/33

Out: -0.195+/-0.008 χ^2/NDF:2108.7/37

All: -0.185+/-0.005 χ^2/NDF: 4883.2/71



Right In: 12.827+/-0.214 χ^2/NDF: 388.0/15

Left Out: 21.926+/-0.262 χ^2/NDF:239.6/18

Right Out: 13.750+/-0.204 χ^2/NDF: 404.0/18

Left In: 21.581+/-0.268 χ^2/NDF:442.1/17

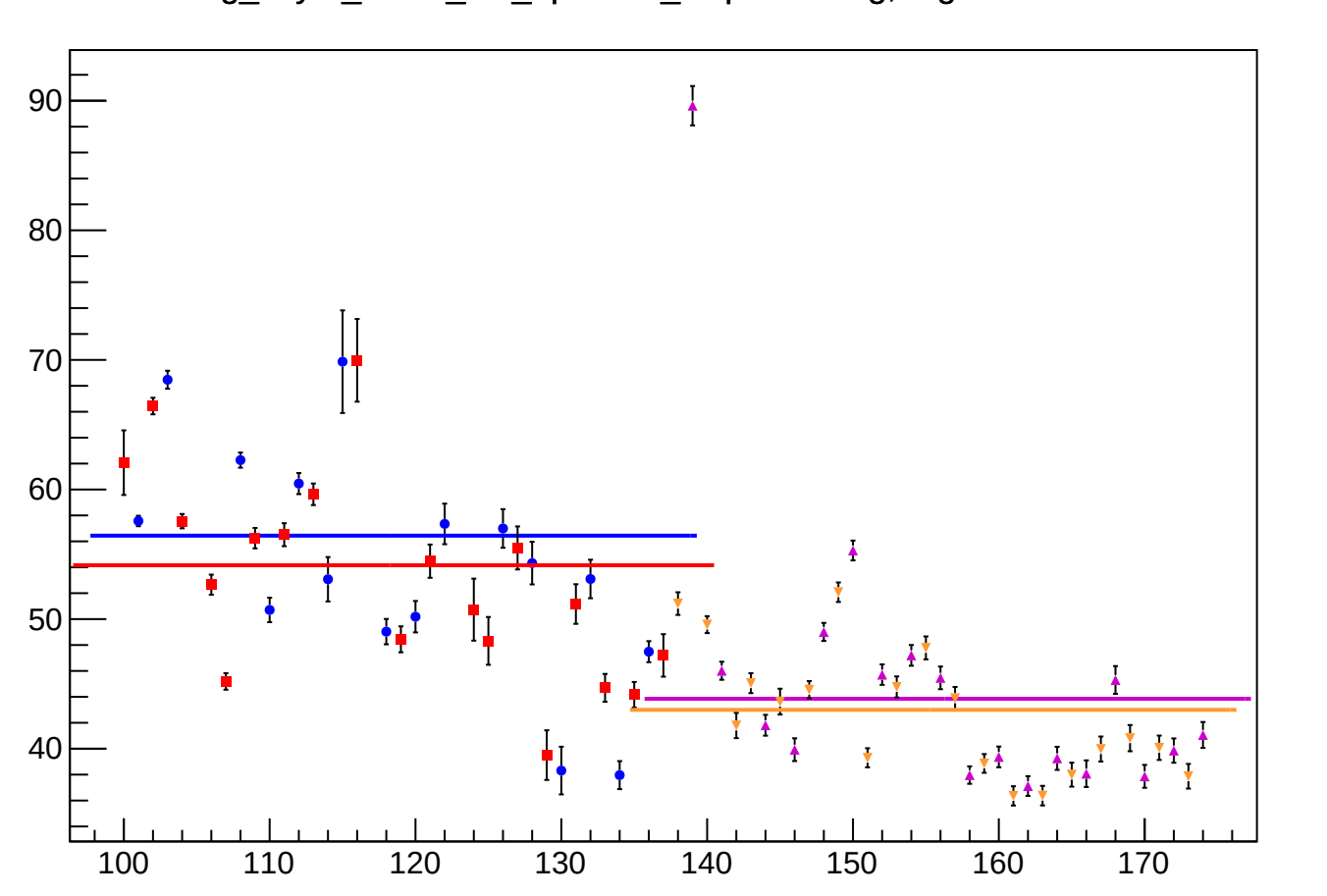
Left: 21.757+/-0.187 χ^2/NDF: 682.6/36

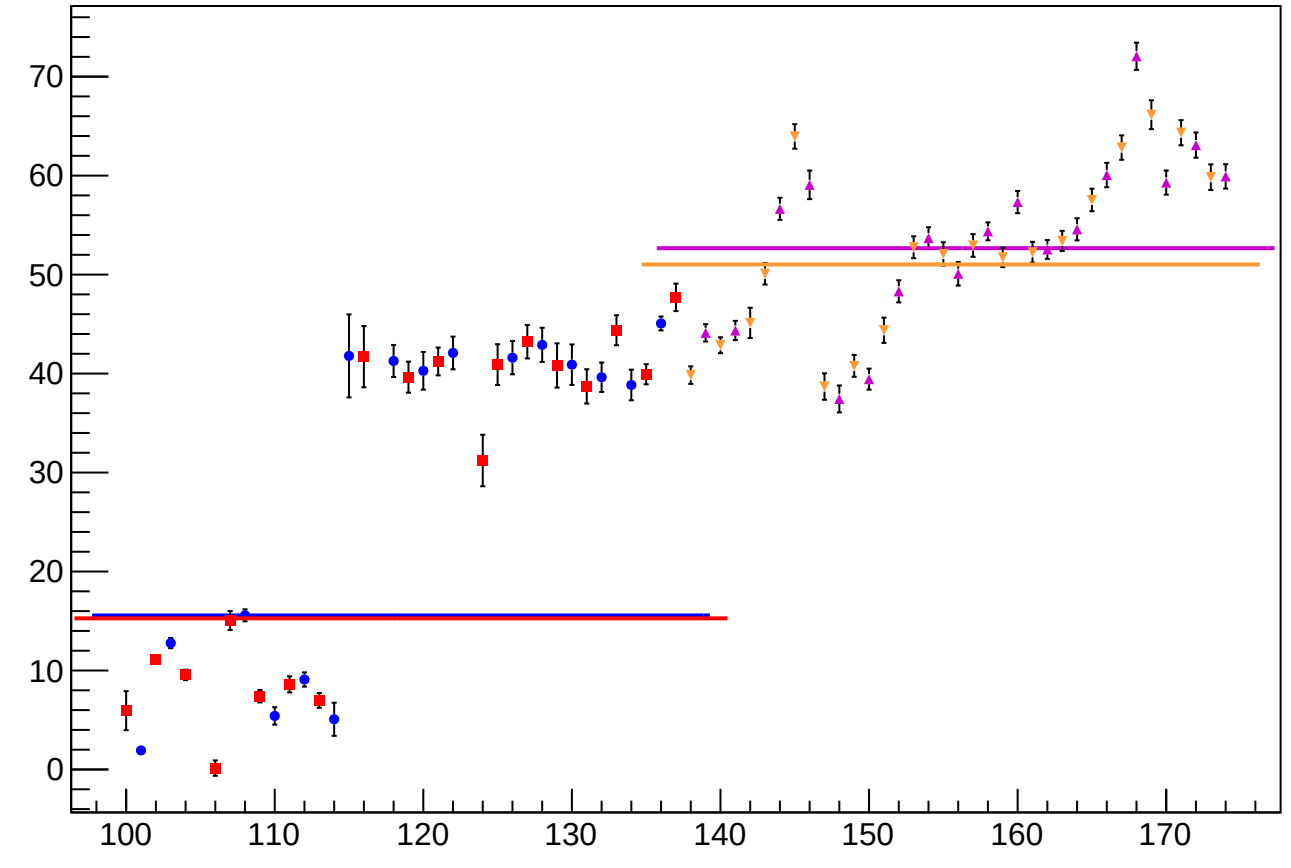
Right: 13.311+/-0.148 χ^2/NDF: 801.7/34

In: 16.233+/-0.167 χ^2/NDF:1480.9/33

Out: 16.839+/-0.161 χ^2/NDF:1249.6/37

All: 16.548+/-0.116 χ^2/NDF: 2737.3/71


reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 56.438+/-0.222 χ²/NDF: 1088.0/15
Left Out: 42.998+/-0.188 χ²/NDF:681.4/18
Right Out: 54.156+/-0.225 χ²/NDF: 1006.6/18
Left In: 43.850+/-0.198 χ²/NDF:1569.3/17
Left: 43.402+/-0.136 χ²/NDF: 2260.5/36
Right: 55.311+/-0.158 χ²/NDF: 2146.9/34
In: 49.424+/-0.148 χ²/NDF:4451.8/33
Out: 47.593+/-0.144 χ²/NDF:3140.6/37
All: 48.487+/-0.103 χ²/NDF: 7671.2/71



Right In: 15.561+/-0.214 χ^2/NDF: 5176.0/15

Left Out: 51.024+/-0.258 χ^2/NDF:987.9/18

Right Out: 15.272+/-0.219 χ^2/NDF: 3873.0/18

Left In: 52.667+/-0.263 χ^2/NDF:891.4/17

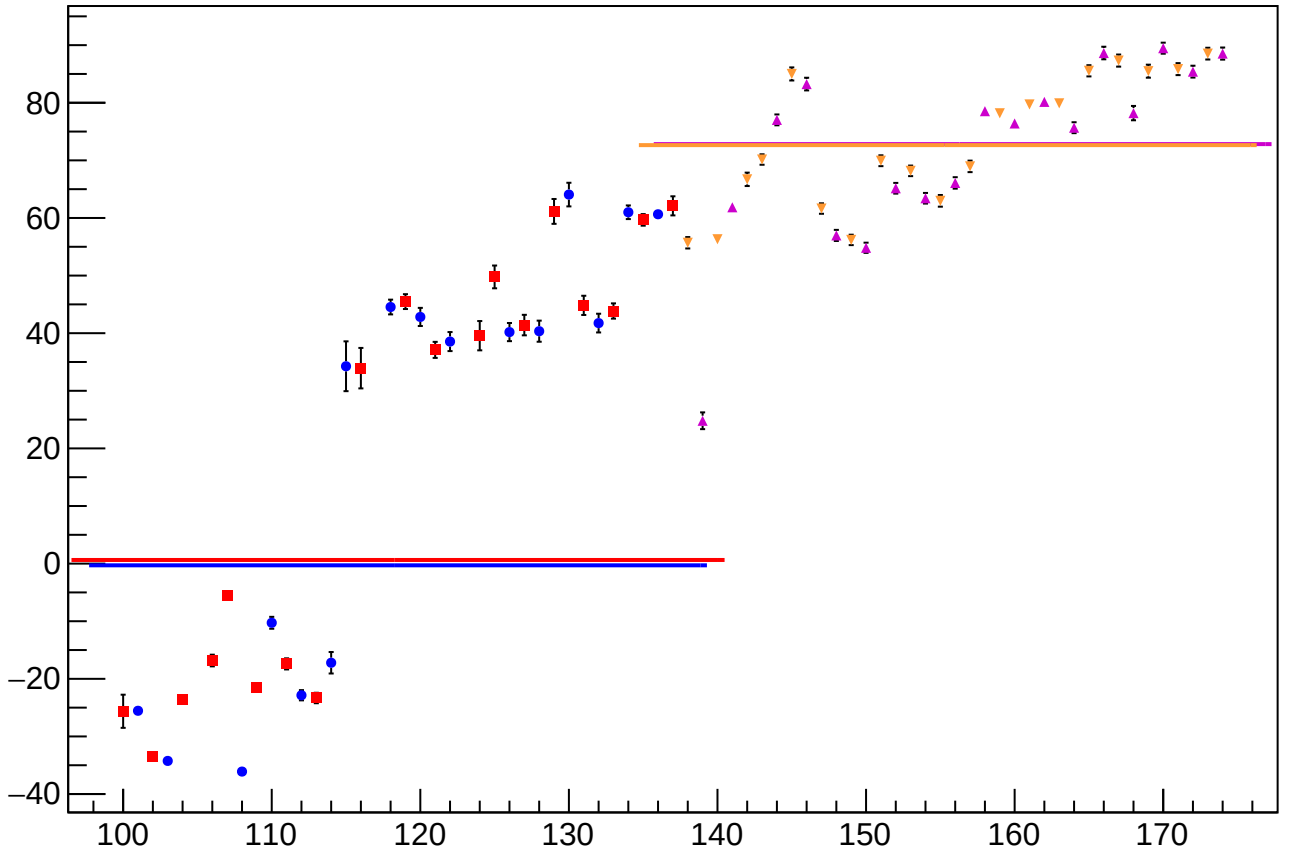
Left: 51.829+/-0.184 χ^2/NDF: 1899.2/36

Right: 15.420+/-0.153 χ^2/NDF: 9050.0/34

In: 30.332+/-0.166 χ^2/NDF:18036.9/33

Out: 30.268+/-0.167 χ^2/NDF:16026.3/37

All: 30.301+/-0.118 χ^2/NDF: 34063.3/71



Right In: -0.296+/-0.261 χ^2/NDF: 21030.9/15

Left Out: 72.646+/-0.215 χ^2/NDF:2612.0/18

Right Out: 0.633+/-0.264 χ^2/NDF: 16028.1/18

Left In: 72.822+/-0.223 χ^2/NDF:3360.0/17

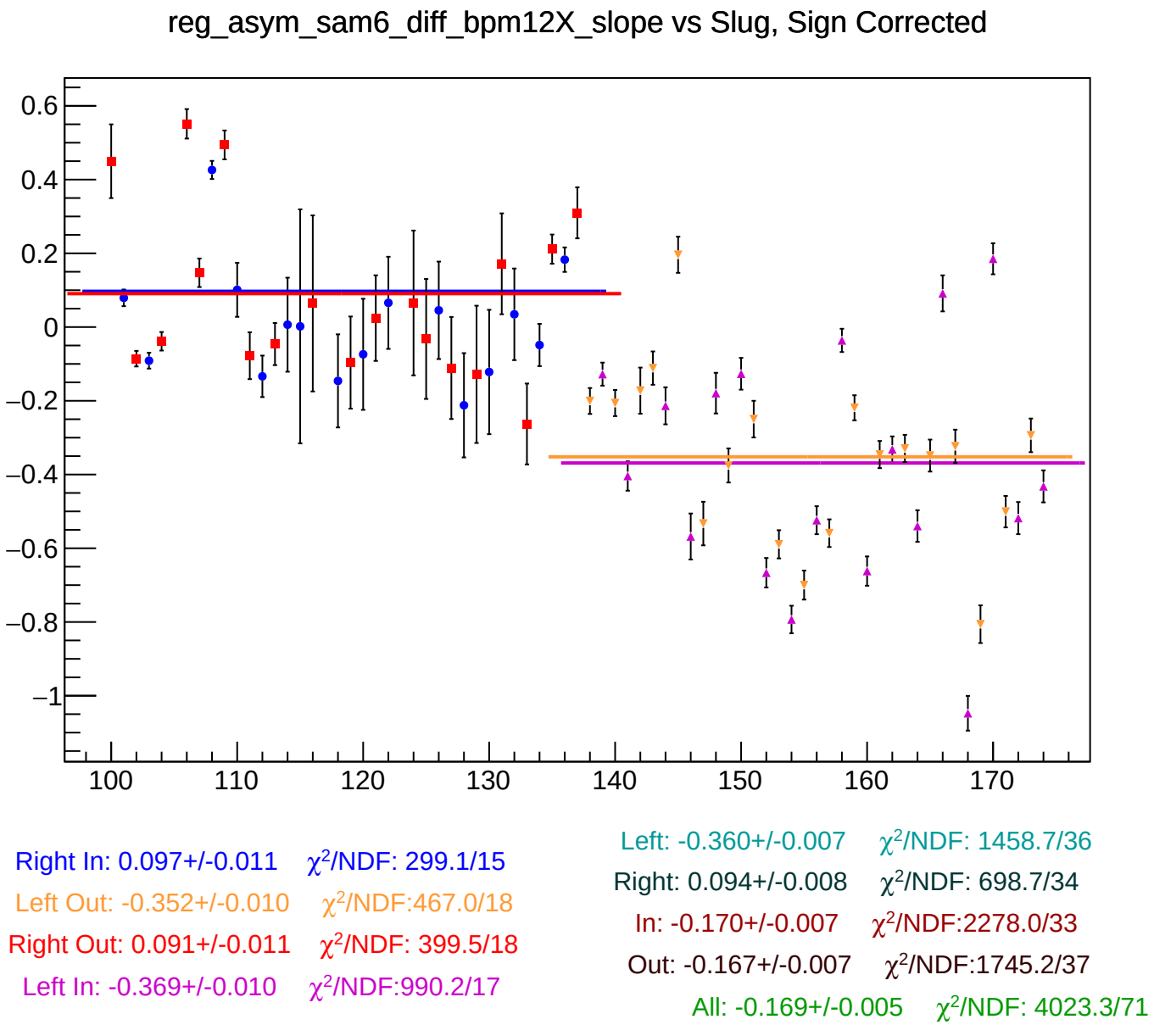
Left: 72.731+/-0.155 χ^2/NDF: 5972.3/36

Right: 0.165+/-0.186 χ^2/NDF: 37065.2/34

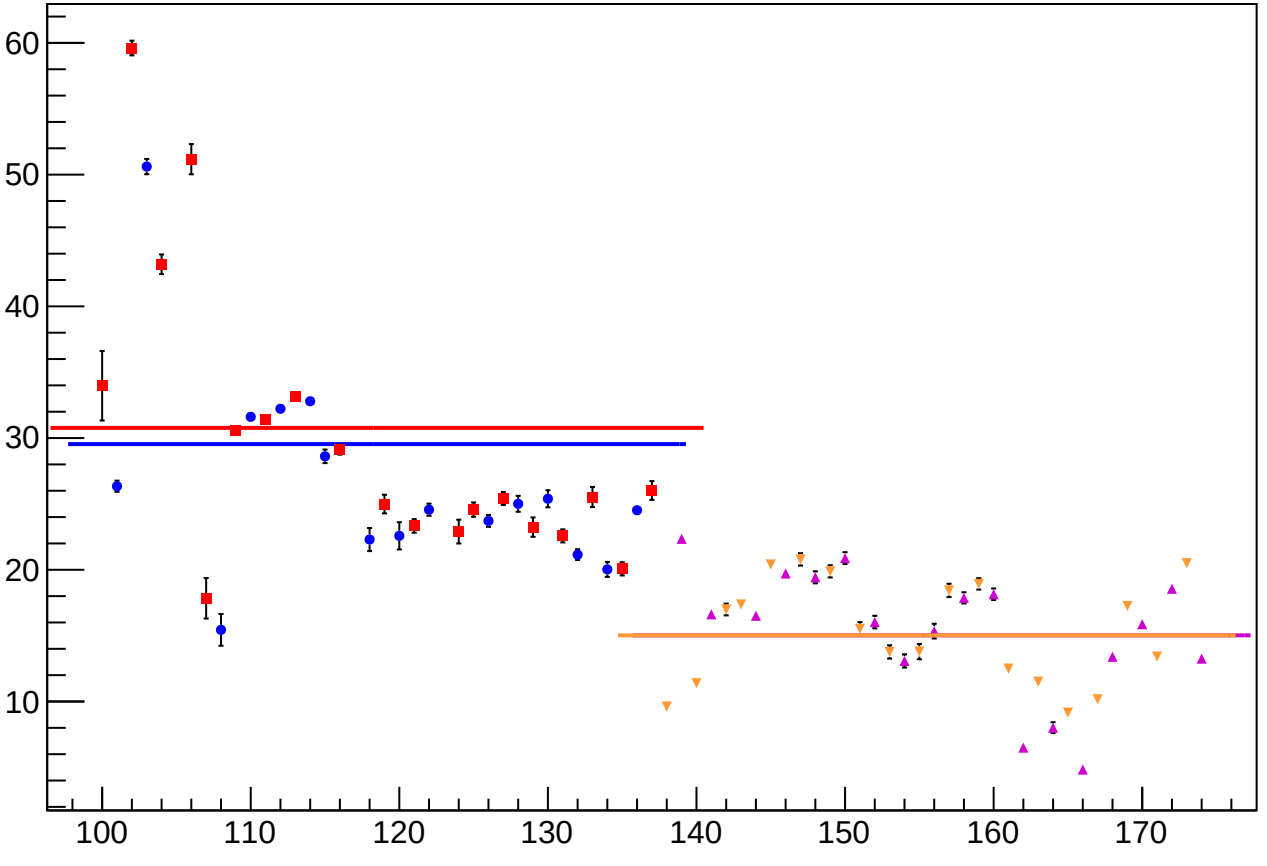
In: 41.989+/-0.170 χ^2/NDF:69639.2/33

Out: 43.893+/-0.167 χ^2/NDF:63471.1/37

All: 42.959+/-0.119 χ^2/NDF: 133174.4/71


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
110
120
130
140
150
160
170
Right In: 0.097+/-0.011 χ²/NDF: 299.1/15
Left Out: -0.352+/-0.010 χ²/NDF:467.0/18
Right Out: 0.091+/-0.011 χ²/NDF: 399.5/18
Left In: -0.369+/-0.010 χ²/NDF:990.2/17
Left: -0.360+/-0.007 χ²/NDF: 1458.7/36
Right: 0.094+/-0.008 χ²/NDF: 698.7/34
In: -0.170+/-0.007 χ²/NDF:2278.0/33
Out: -0.167+/-0.007 χ²/NDF:1745.2/37
All: -0.169+/-0.005 χ²/NDF: 4023.3/71

reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.542+/-0.092 χ^2/NDF: 3372.2/15

Left Out: 15.022+/-0.085 χ^2/NDF:2358.0/18

Right Out: 30.774+/-0.080 χ^2/NDF: 5079.2/18

Left In: 15.024+/-0.084 χ^2/NDF:3148.2/17

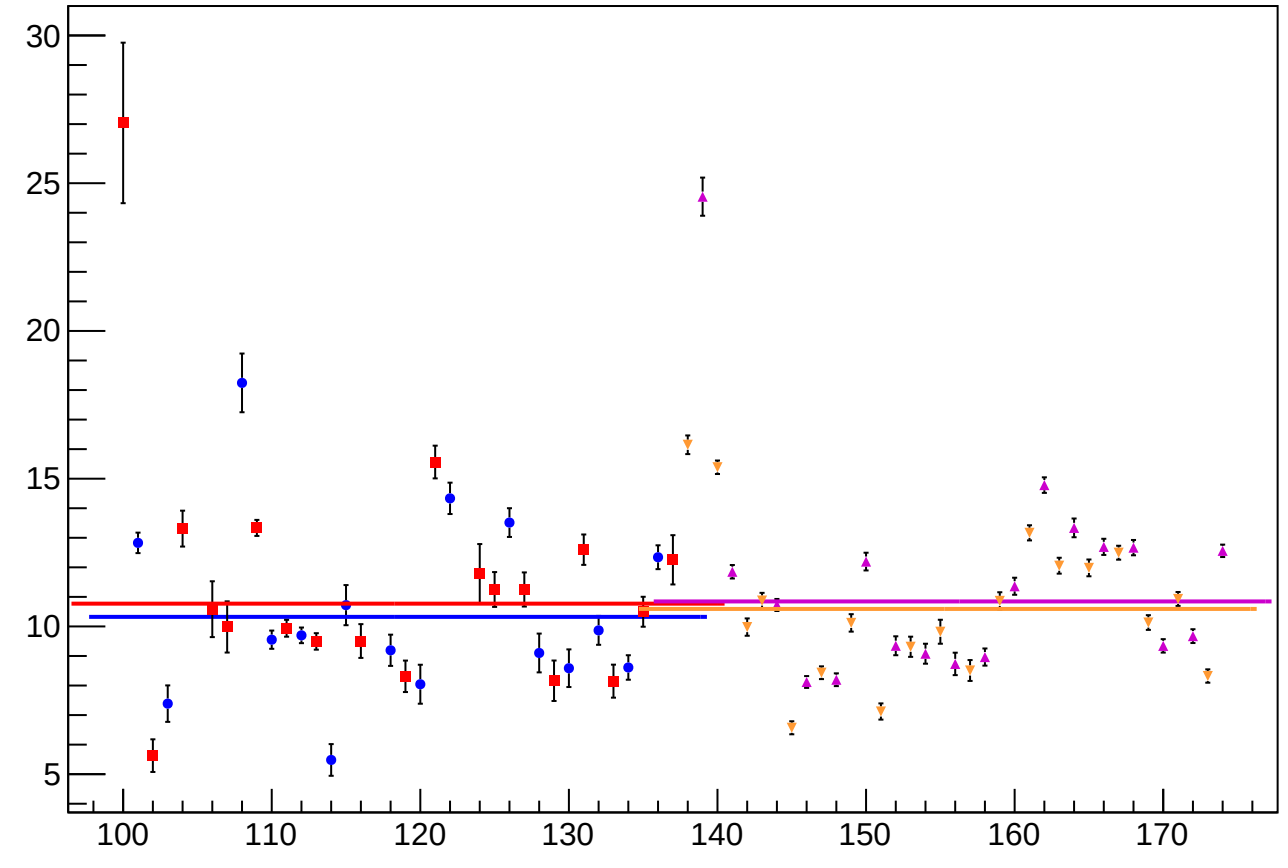
Left: 15.023+/-0.060 χ^2/NDF: 5506.2/36

Right: 30.242+/-0.060 χ^2/NDF: 8553.4/34

In: 21.618+/-0.062 χ^2/NDF:20125.2/33

Out: 23.340+/-0.058 χ^2/NDF:25665.0/37

All: 22.532+/-0.042 χ^2/NDF: 46200.2/71



Right In: 10.324+/-0.114 χ^2/NDF: 402.6/15

Left Out: 10.592+/-0.061 χ^2/NDF:1730.1/18

Right Out: 10.771+/-0.113 χ^2/NDF: 415.8/18

Left In: 10.846+/-0.061 χ^2/NDF:1467.2/17

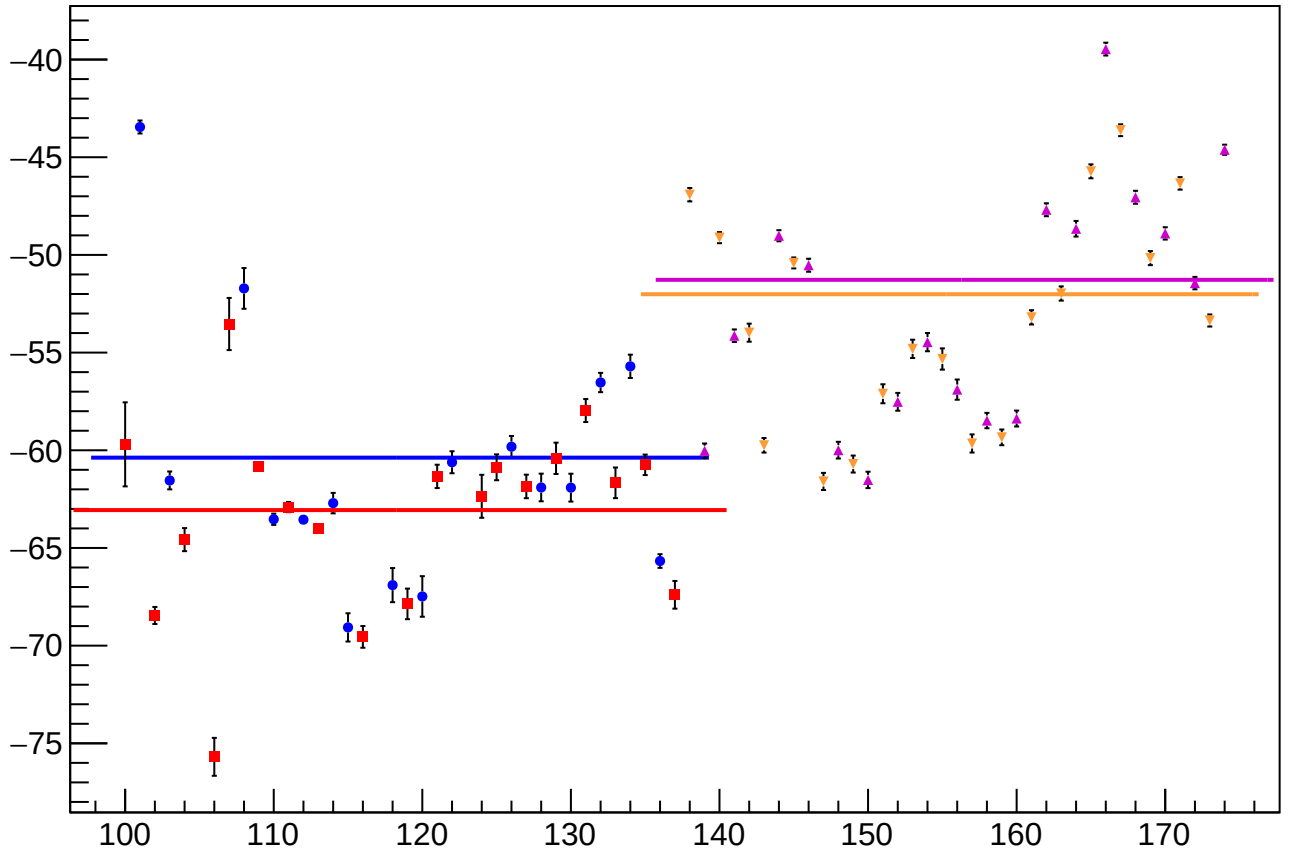
Left: 10.718+/-0.043 χ^2/NDF: 3206.0/36

Right: 10.550+/-0.080 χ^2/NDF: 826.2/34

In: 10.729+/-0.054 χ^2/NDF:1886.2/33

Out: 10.633+/-0.054 χ^2/NDF:2147.8/37

All: 10.680+/-0.038 χ^2/NDF: 4035.6/71



Right In: -60.377+/-0.113 χ^2/NDF: 3597.6/15

Left Out: -52.013+/-0.084 χ^2/NDF:3910.9/18

Right Out: -63.061+/-0.107 χ^2/NDF: 844.1/18

Left In: -51.276+/-0.084 χ^2/NDF:5022.7/17

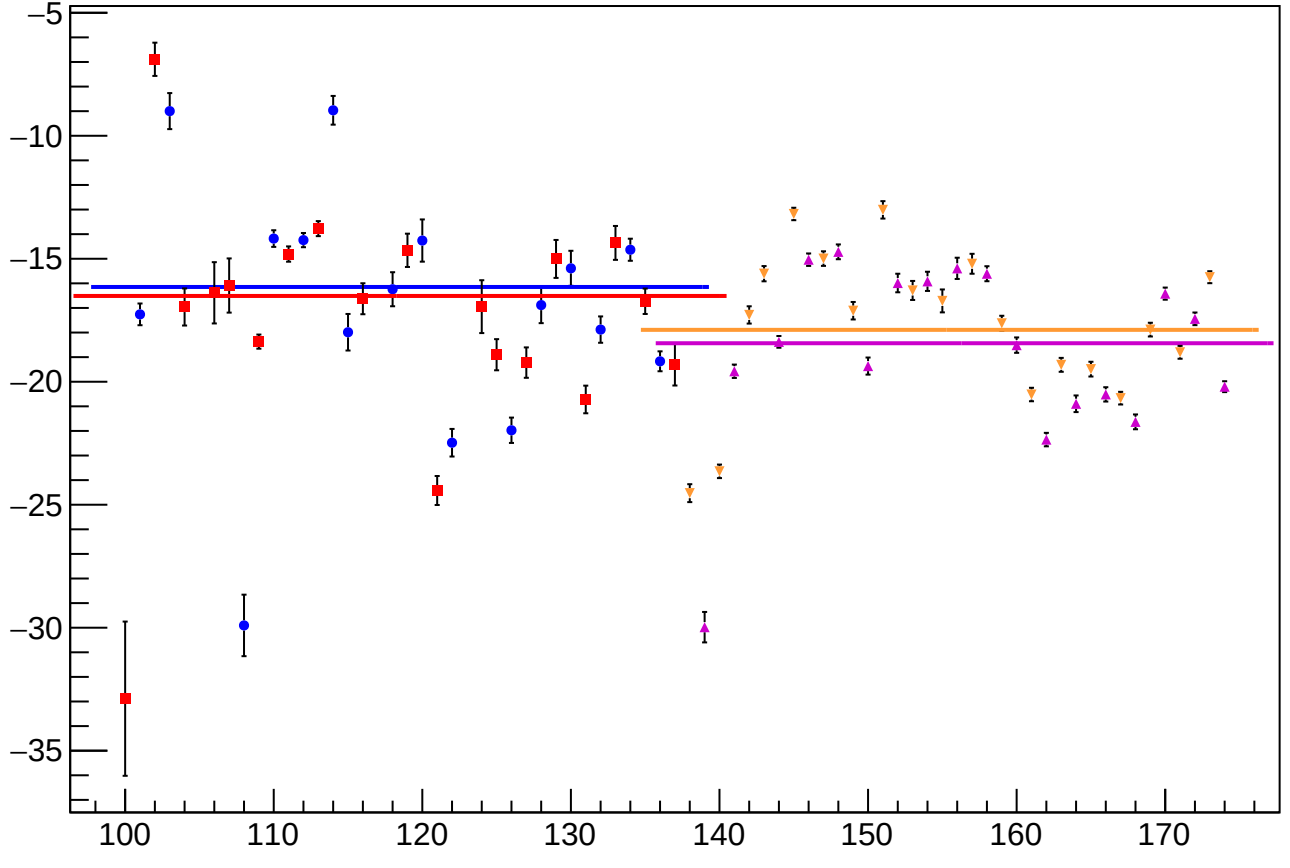
Left: -51.641+/-0.059 χ^2/NDF: 8972.1/36

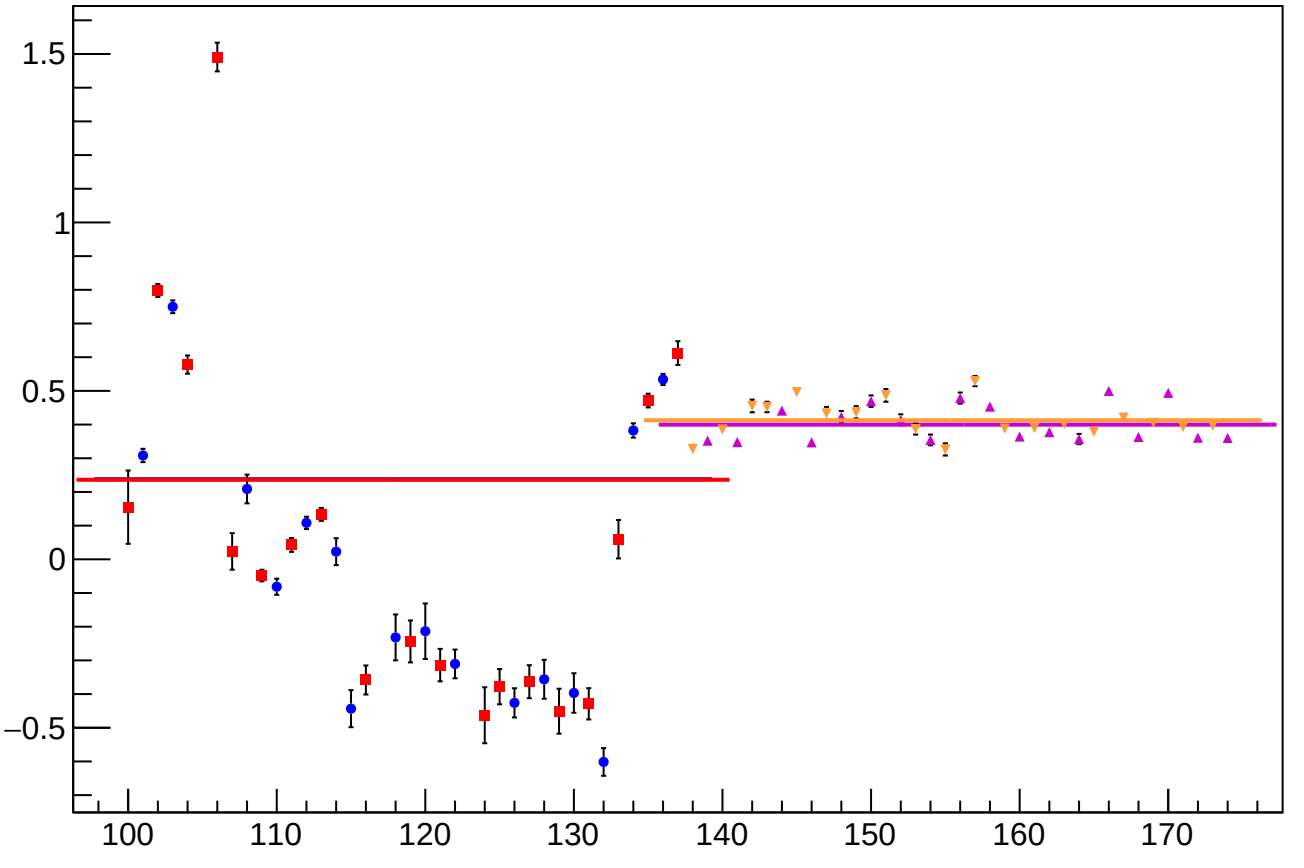
Right: -61.789+/-0.078 χ^2/NDF: 4738.4/34

In: -54.493+/-0.067 χ^2/NDF:12814.3/33

Out: -56.237+/-0.066 χ^2/NDF:11309.2/37

All: -55.376+/-0.047 χ^2/NDF: 24465.0/71


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
Right In: -16.147+/-0.127 χ²/NDF: 797.1/15
Left Out: -17.890+/-0.070 χ²/NDF:1884.3/18
Right Out: -16.512+/-0.125 χ²/NDF: 684.7/18
Left In: -18.435+/-0.070 χ²/NDF:1490.1/17
Left: -18.162+/-0.049 χ²/NDF: 3405.0/36
Right: -16.333+/-0.089 χ²/NDF: 1486.0/34
In: -17.905+/-0.061 χ²/NDF:2535.9/33
Out: -17.563+/-0.061 χ²/NDF:2662.2/37
All: -17.733+/-0.043 χ²/NDF: 5213.9/71



Right In: 0.238+/-0.007 χ^2/NDF: 2632.9/15

Left Out: 0.413+/-0.003 χ^2/NDF:232.4/18

Right Out: 0.236+/-0.007 χ^2/NDF: 3595.0/18

Left In: 0.400+/-0.003 χ^2/NDF:309.2/17

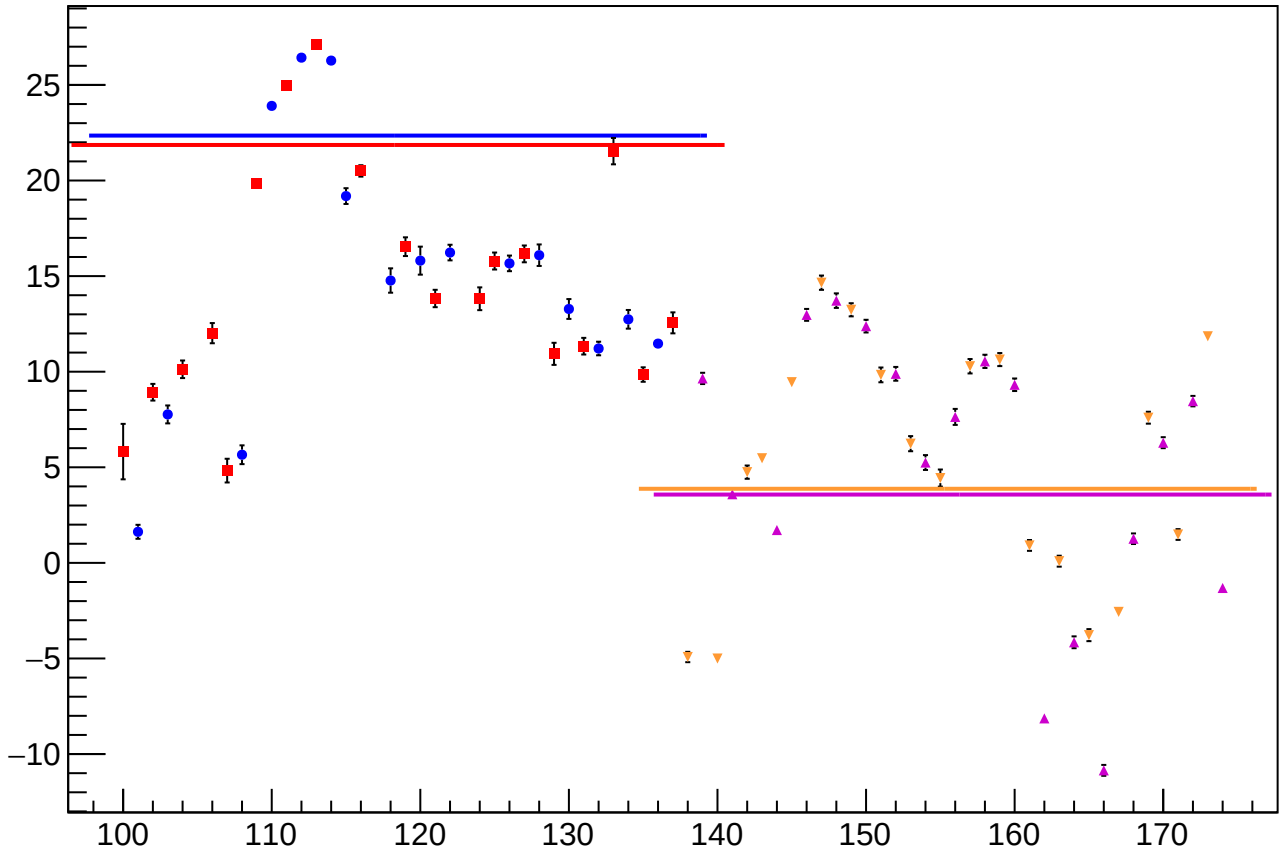
Left: 0.406+/-0.002 χ^2/NDF: 550.2/36

Right: 0.237+/-0.005 χ^2/NDF: 6227.9/34

In: 0.374+/-0.003 χ^2/NDF:3383.4/33

Out: 0.384+/-0.003 χ^2/NDF:4344.8/37

All: 0.378+/-0.002 χ^2/NDF: 7734.3/71



Right In: 22.350+/-0.057 χ^2/NDF: 12336.9/15

Left Out: 3.876+/-0.068 χ^2/NDF:8522.0/18

Right Out: 21.859+/-0.046 χ^2/NDF: 10692.4/18

Left In: 3.574+/-0.069 χ^2/NDF:10205.5/17

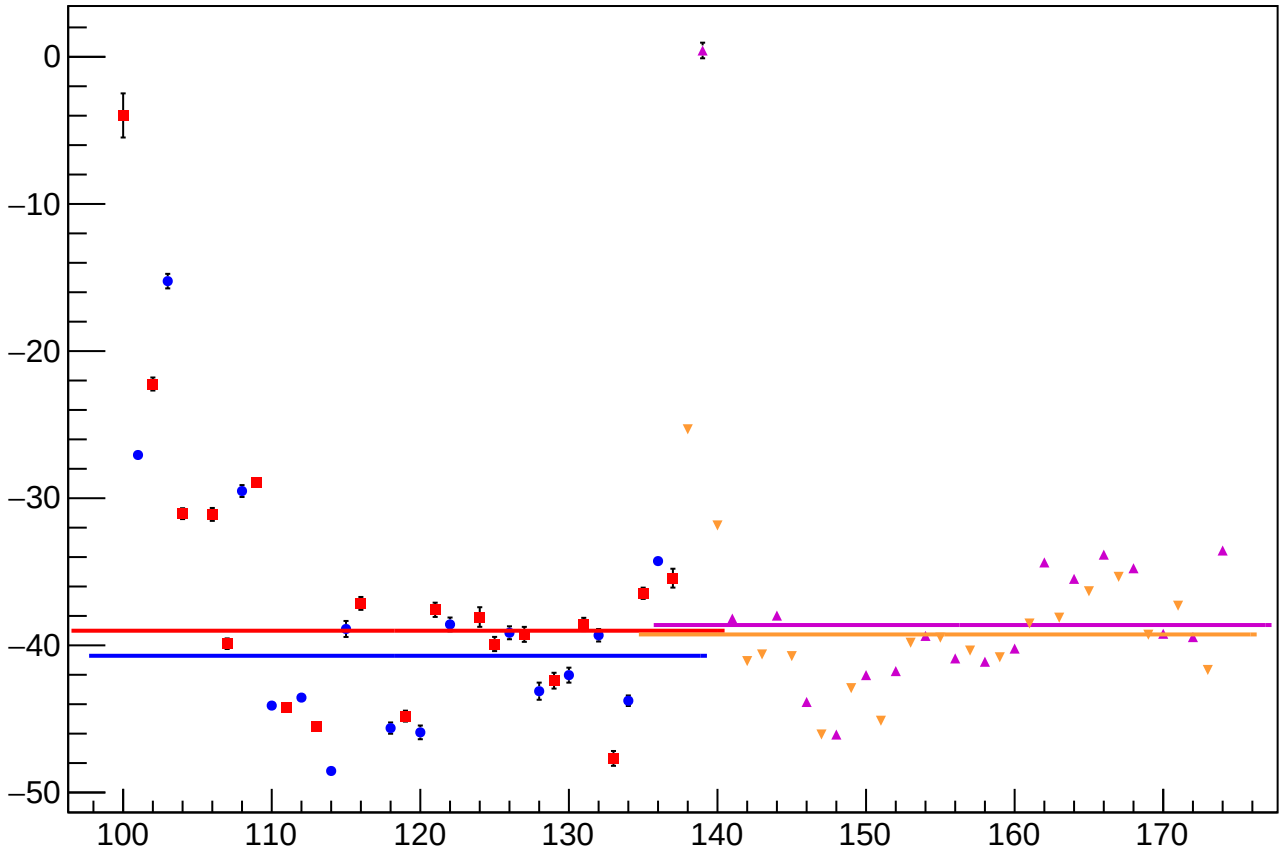
Left: 3.727+/-0.048 χ^2/NDF: 18737.2/36

Right: 22.056+/-0.036 χ^2/NDF: 23074.3/34

In: 14.800+/-0.044 χ^2/NDF:66862.3/33

Out: 16.179+/-0.038 χ^2/NDF:66892.8/37

All: 15.581+/-0.029 χ^2/NDF: 134317.4/71



Right In: -40.709+/-0.076 χ^2/NDF: 7780.4/15

Left Out: -39.259+/-0.049 χ^2/NDF:8223.6/18

Right Out: -39.005+/-0.071 χ^2/NDF: 10101.3/18

Left In: -38.619+/-0.051 χ^2/NDF:10683.1/17

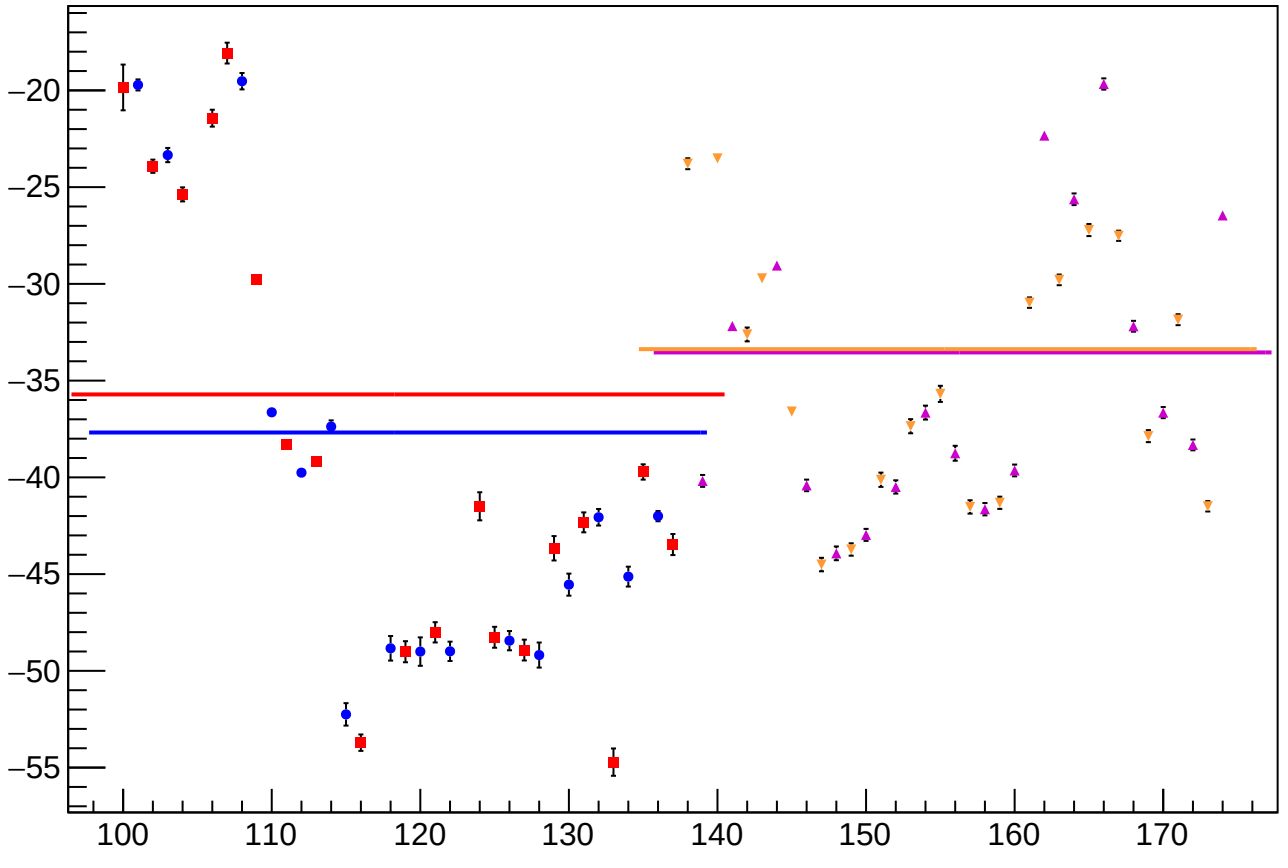
Left: -38.951+/-0.035 χ^2/NDF: 18989.9/36

Right: -39.794+/-0.052 χ^2/NDF: 18148.1/34

In: -39.254+/-0.042 χ^2/NDF:18983.2/33

Out: -39.178+/-0.040 χ^2/NDF:18333.7/37

All: -39.214+/-0.029 χ^2/NDF: 37318.6/71



Right In: -37.681+/-0.074 χ^2/NDF: 10853.9/15

Left Out: -33.374+/-0.068 χ^2/NDF:9555.0/18

Right Out: -35.714+/-0.064 χ^2/NDF: 13274.5/18

Left In: -33.543+/-0.068 χ^2/NDF:11273.3/17

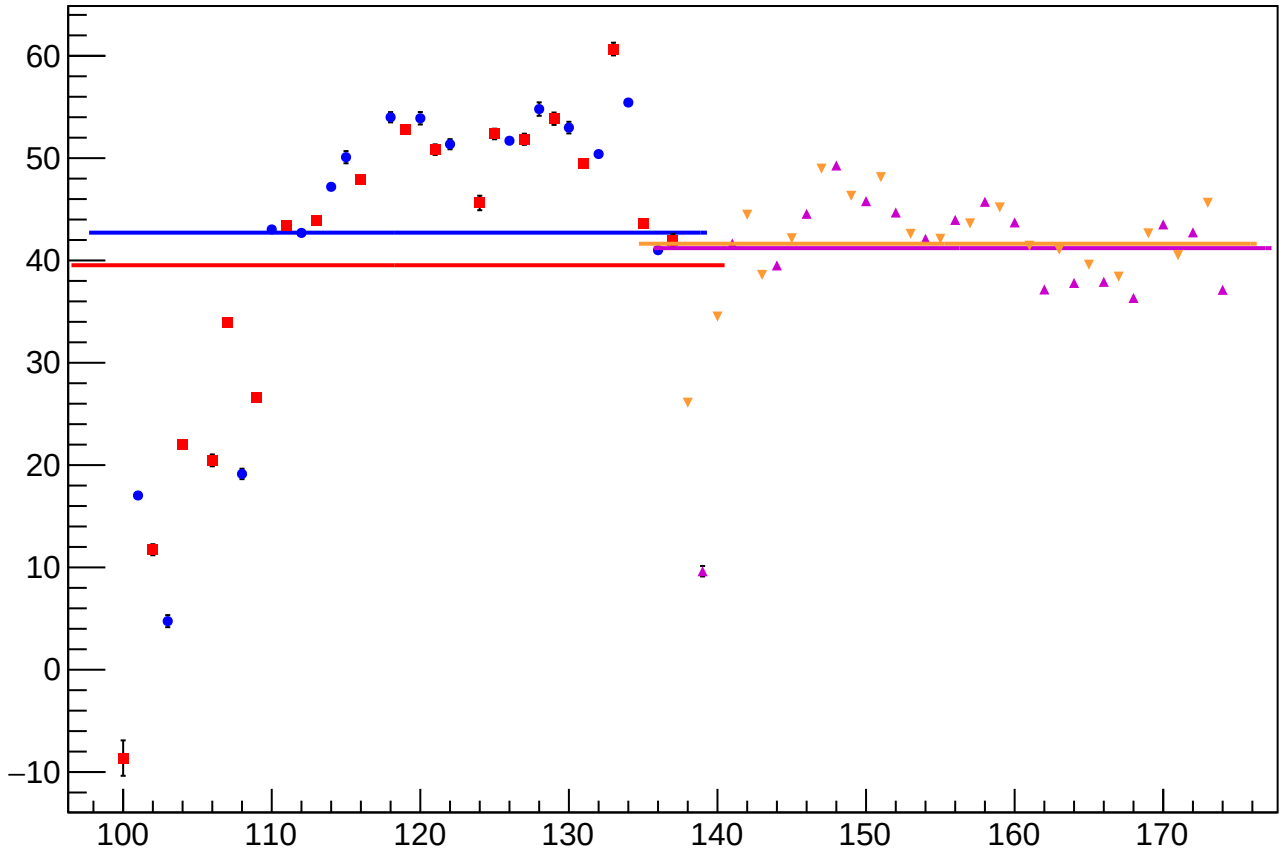
Left: -33.457+/-0.048 χ^2/NDF: 20831.4/36

Right: -36.564+/-0.048 χ^2/NDF: 24532.6/34

In: -35.458+/-0.050 χ^2/NDF:23818.1/33

Out: -34.602+/-0.047 χ^2/NDF:23458.1/37

All: -34.999+/-0.034 χ^2/NDF: 47432.5/71



Right In: 42.718+/-0.085 χ^2/NDF: 14765.0/15

Left Out: 41.637+/-0.056 χ^2/NDF:6925.3/18

Right Out: 39.533+/-0.078 χ^2/NDF: 17978.2/18

Left In: 41.205+/-0.057 χ^2/NDF:7864.2/17

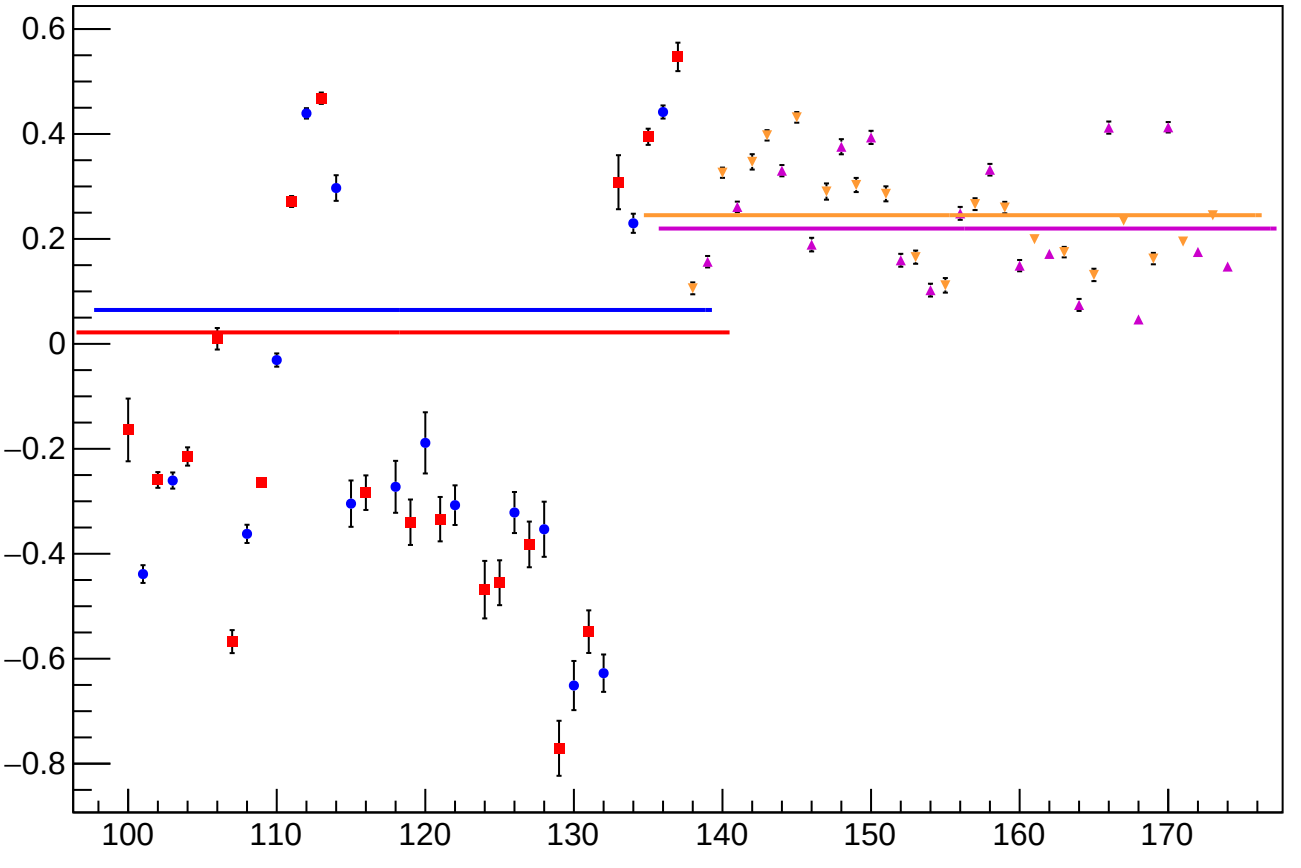
Left: 41.427+/-0.040 χ^2/NDF: 14818.7/36

Right: 40.991+/-0.058 χ^2/NDF: 33503.2/34

In: 41.677+/-0.048 χ^2/NDF:22846.8/33

Out: 40.927+/-0.045 χ^2/NDF:25383.5/37

All: 41.285+/-0.033 χ^2/NDF: 48360.5/71



Right In: 0.065+/-0.005 χ^2/NDF: 5497.5/15

Left Out: 0.245+/-0.003 χ^2/NDF:1267.1/18

Right Out: 0.022+/-0.004 χ^2/NDF: 6405.3/18

Left In: 0.220+/-0.003 χ^2/NDF:2002.5/17

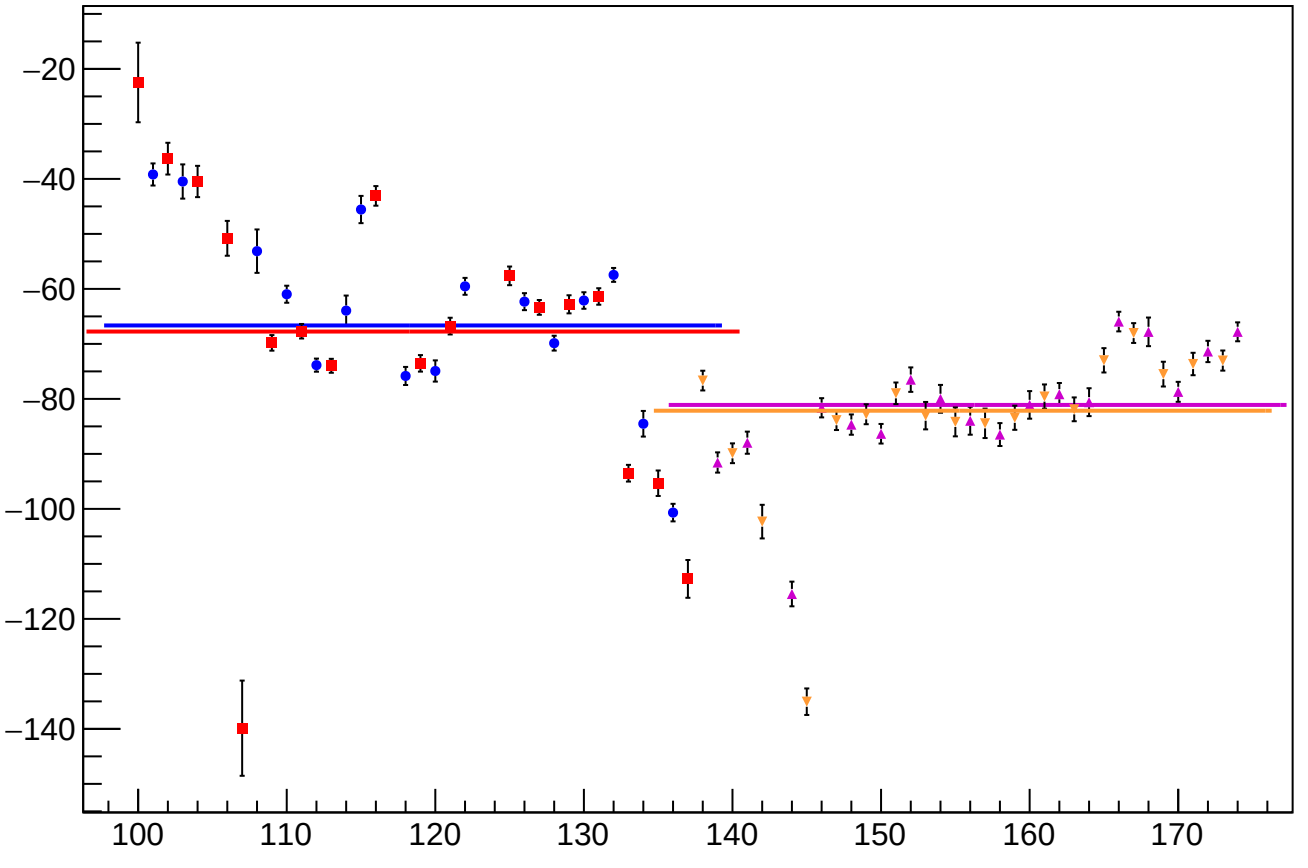
Left: 0.232+/-0.002 χ^2/NDF: 3319.7/36

Right: 0.041+/-0.003 χ^2/NDF: 11945.6/34

In: 0.186+/-0.002 χ^2/NDF:8305.4/33

Out: 0.189+/-0.002 χ^2/NDF:9613.3/37

All: 0.188+/-0.002 χ^2/NDF: 17919.5/71



Right In: -66.648+/-0.426 χ^2/NDF: 1052.4/15

Left Out: -82.149+/-0.494 χ^2/NDF:689.4/17

Right Out: -67.755+/-0.419 χ^2/NDF: 1255.4/17

Left In: -81.098+/-0.480 χ^2/NDF:489.4/17

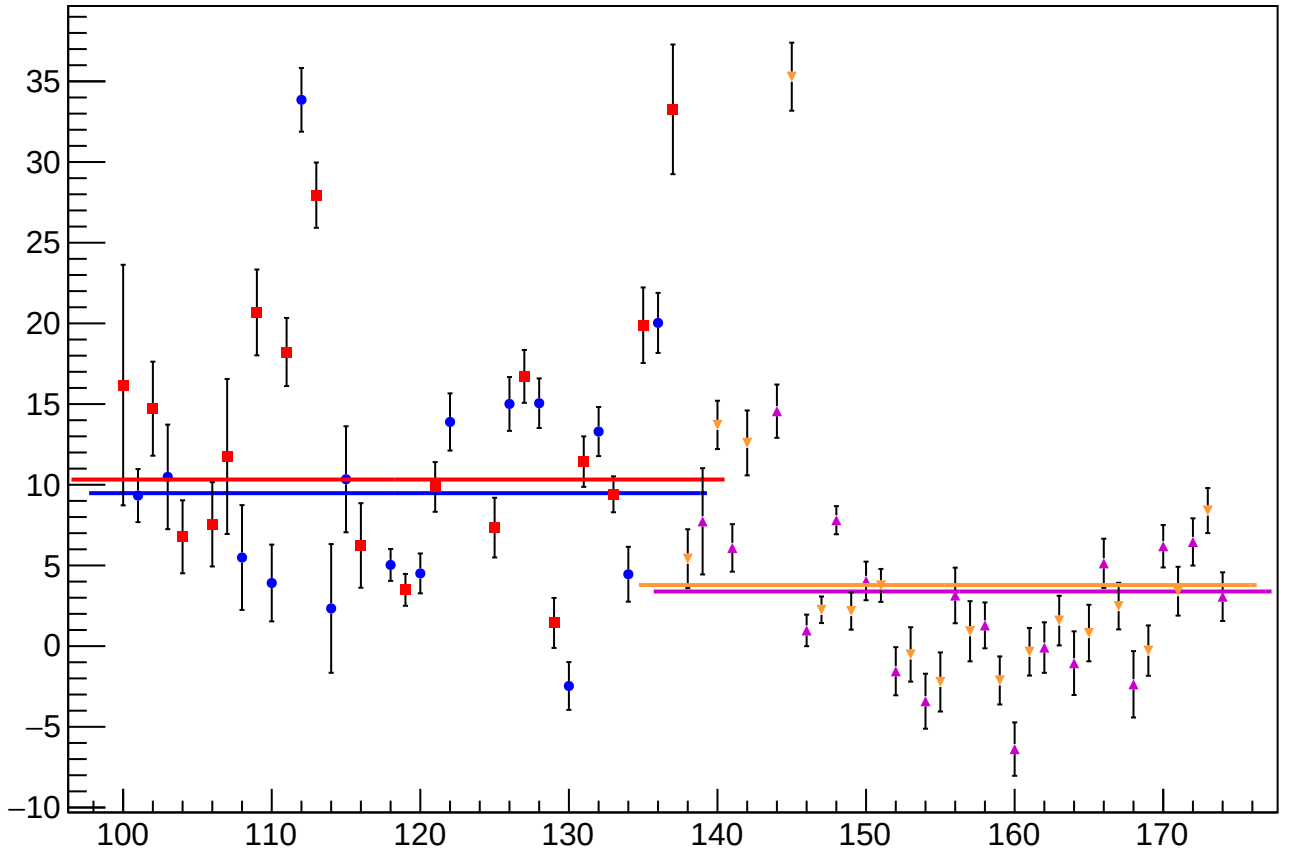
Left: -81.608+/-0.344 χ^2/NDF: 1181.2/35

Right: -67.210+/-0.299 χ^2/NDF: 2311.2/33

In: -73.021+/-0.319 χ^2/NDF:2049.1/33

Out: -73.786+/-0.320 χ^2/NDF:2438.1/35

All: -73.402+/-0.226 χ^2/NDF: 4490.1/69



Right In: 9.480+/-0.428 χ^2/NDF: 341.9/15

Left Out: 3.786+/-0.336 χ^2/NDF:359.5/17

Right Out: 10.324+/-0.436 χ^2/NDF: 263.4/17

Left In: 3.385+/-0.337 χ^2/NDF:175.0/17

Left: 3.586+/-0.238 χ^2/NDF: 535.2/35

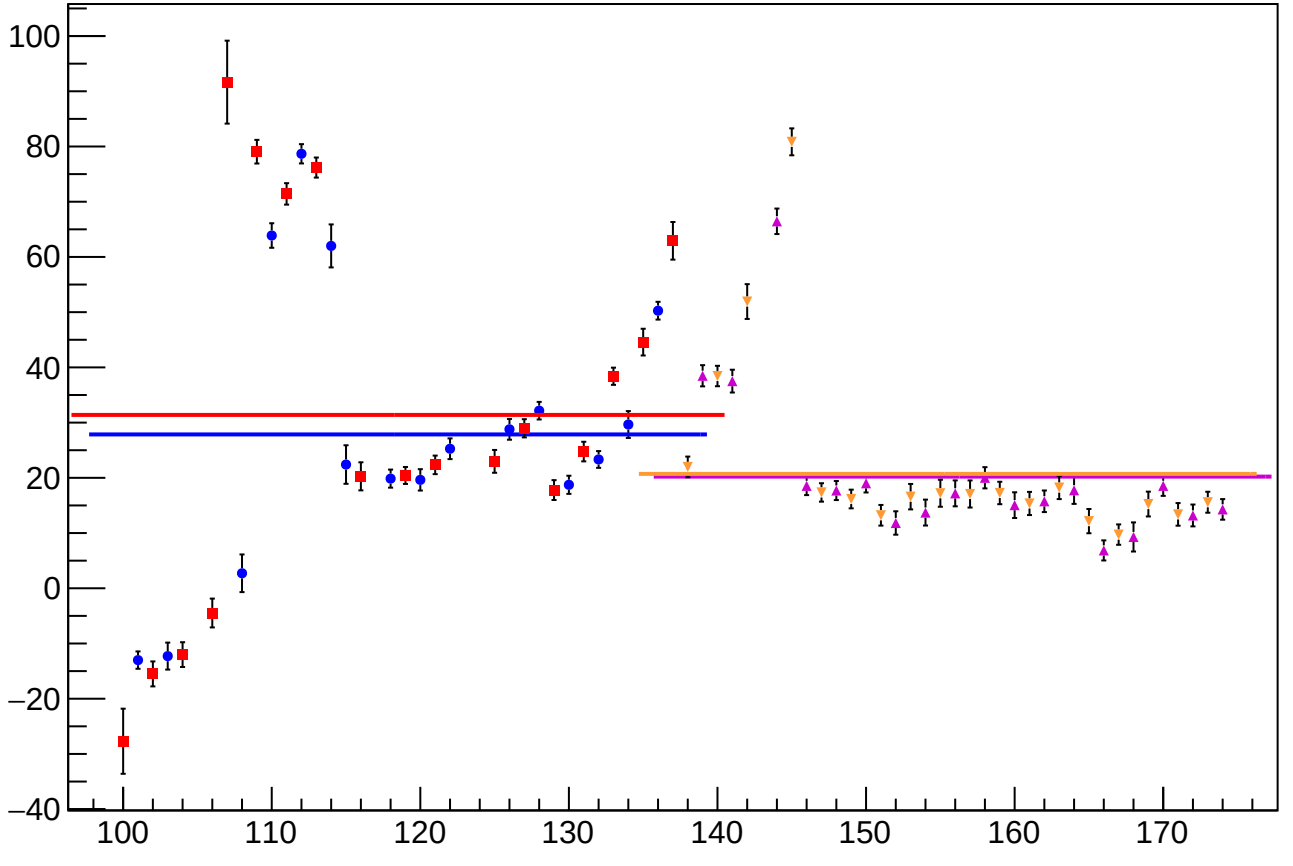
Right: 9.895+/-0.305 χ^2/NDF: 607.3/33

In: 5.719+/-0.265 χ^2/NDF:642.0/33

Out: 6.227+/-0.266 χ^2/NDF:764.1/35

All: 5.972+/-0.188 χ^2/NDF: 1407.9/69

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 27.860+/-0.482 χ^2/NDF: 2474.0/15

Left Out: 20.716+/-0.484 χ^2/NDF:919.9/17

Right Out: 31.394+/-0.488 χ^2/NDF: 3011.4/17

Left In: 20.222+/-0.471 χ^2/NDF:696.4/17

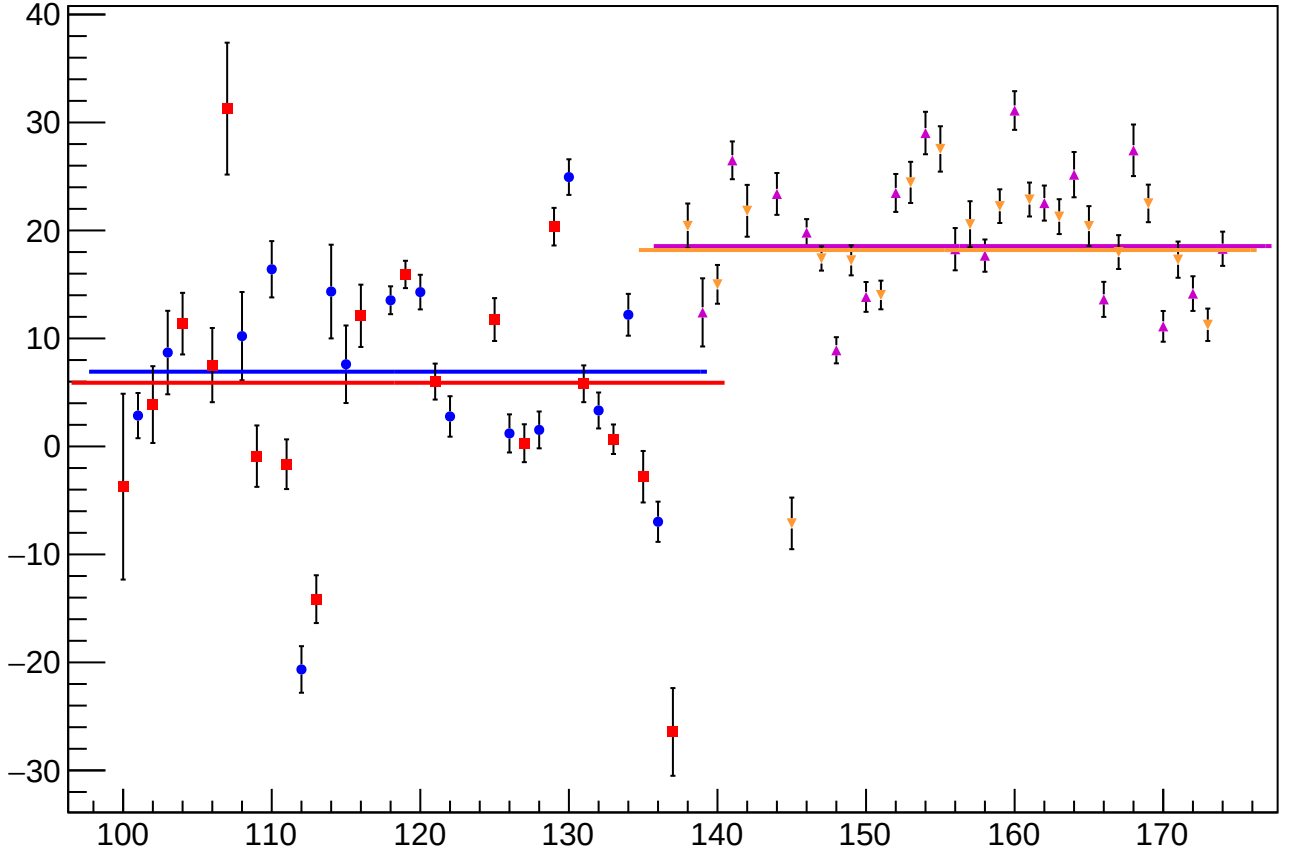
Left: 20.462+/-0.337 χ^2/NDF: 1616.8/35

Right: 29.608+/-0.343 χ^2/NDF: 5511.9/33

In: 23.950+/-0.337 χ^2/NDF:3298.6/33

Out: 26.011+/-0.343 χ^2/NDF:4173.1/35

All: 24.961+/-0.241 χ^2/NDF: 7490.1/69



Right In: 6.922+/-0.496 χ^2/NDF: 444.3/15

Left Out: 18.185+/-0.392 χ^2/NDF:210.0/17

Right Out: 5.896+/-0.502 χ^2/NDF: 367.7/17

Left In: 18.553+/-0.390 χ^2/NDF:266.0/17

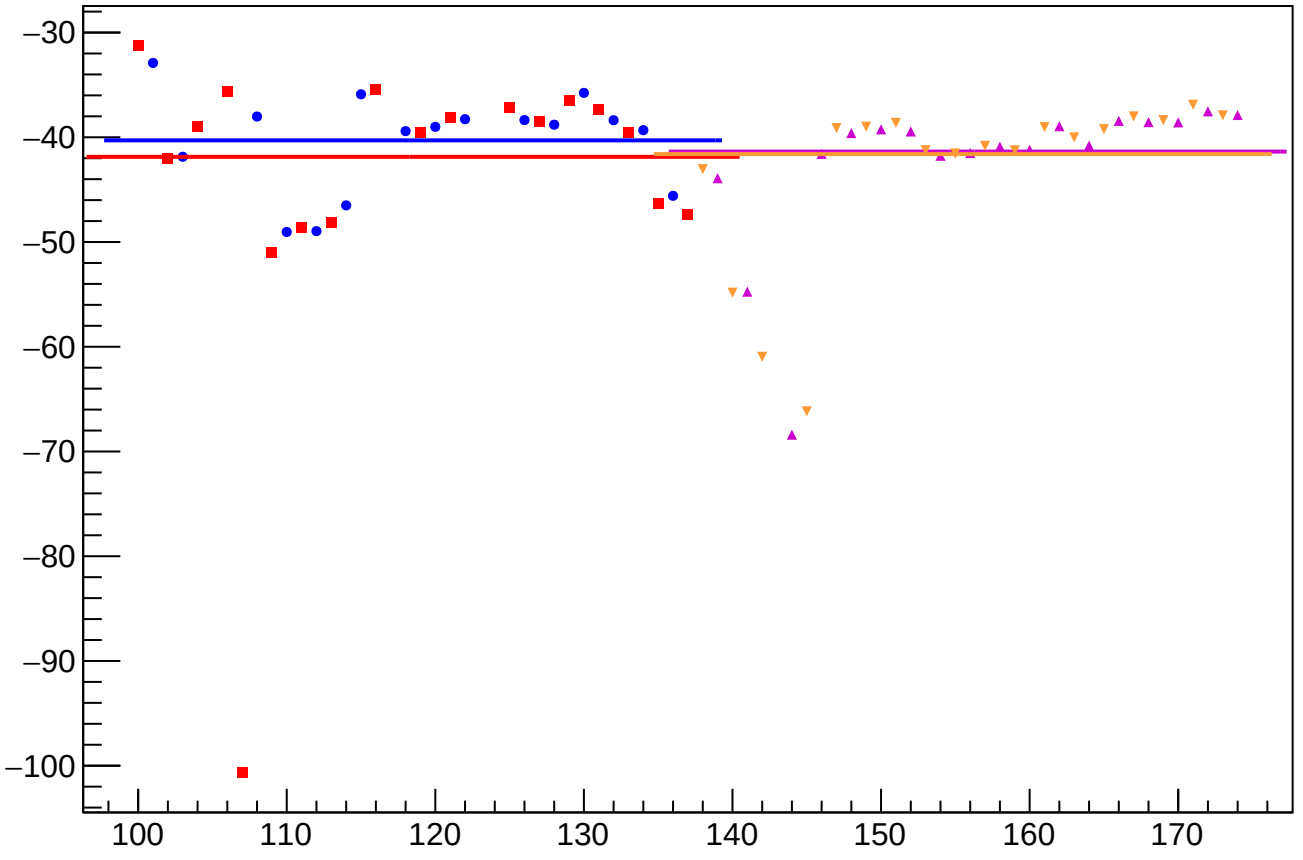
Left: 18.370+/-0.276 χ^2/NDF: 476.5/35

Right: 6.415+/-0.353 χ^2/NDF: 814.1/33

In: 14.108+/-0.306 χ^2/NDF:1050.7/33

Out: 13.532+/-0.309 χ^2/NDF:950.4/35

All: 13.823+/-0.217 χ^2/NDF: 2002.9/69



Right In: -40.293+/-0.031 χ^2/NDF: 20663.5/15

Left Out: -41.605+/-0.018 χ^2/NDF:132655.9/17

Right Out: -41.867+/-0.032 χ^2/NDF: 58734.8/17

Left In: -41.366+/-0.018 χ^2/NDF:108458.0/17

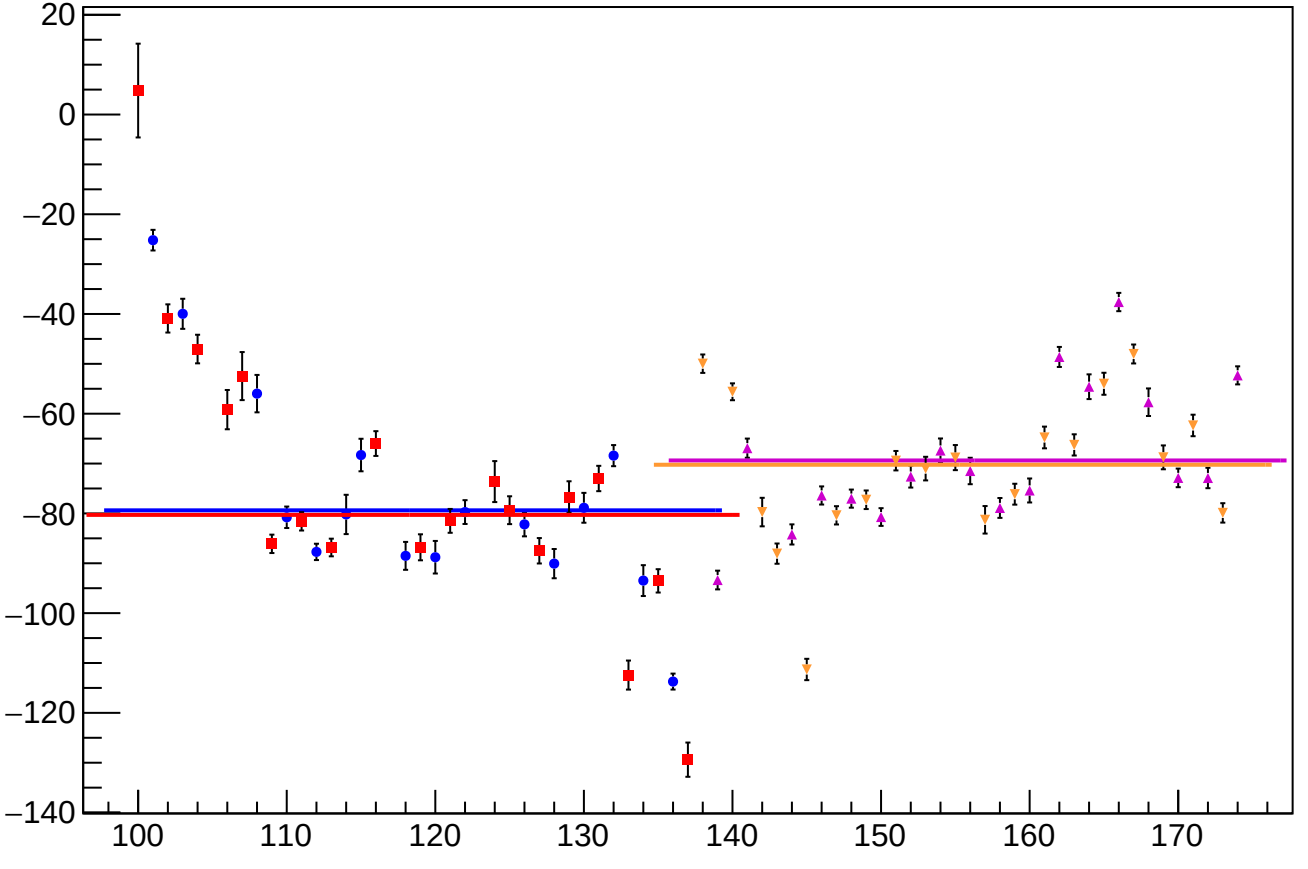
Left: -41.482+/-0.013 χ^2/NDF: 241204.0/35

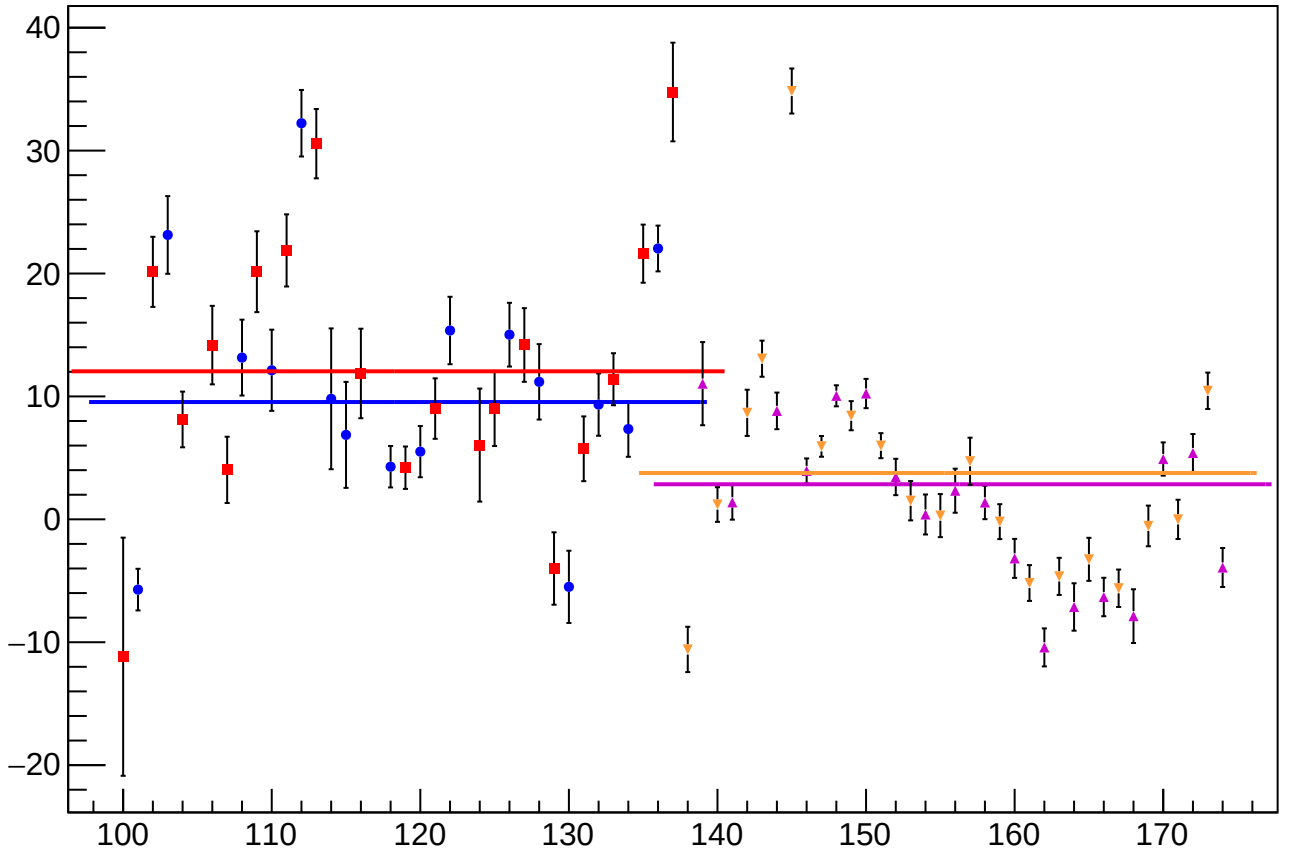
Right: -41.063+/-0.022 χ^2/NDF: 80626.6/33

In: -41.111+/-0.015 χ^2/NDF:130011.4/33

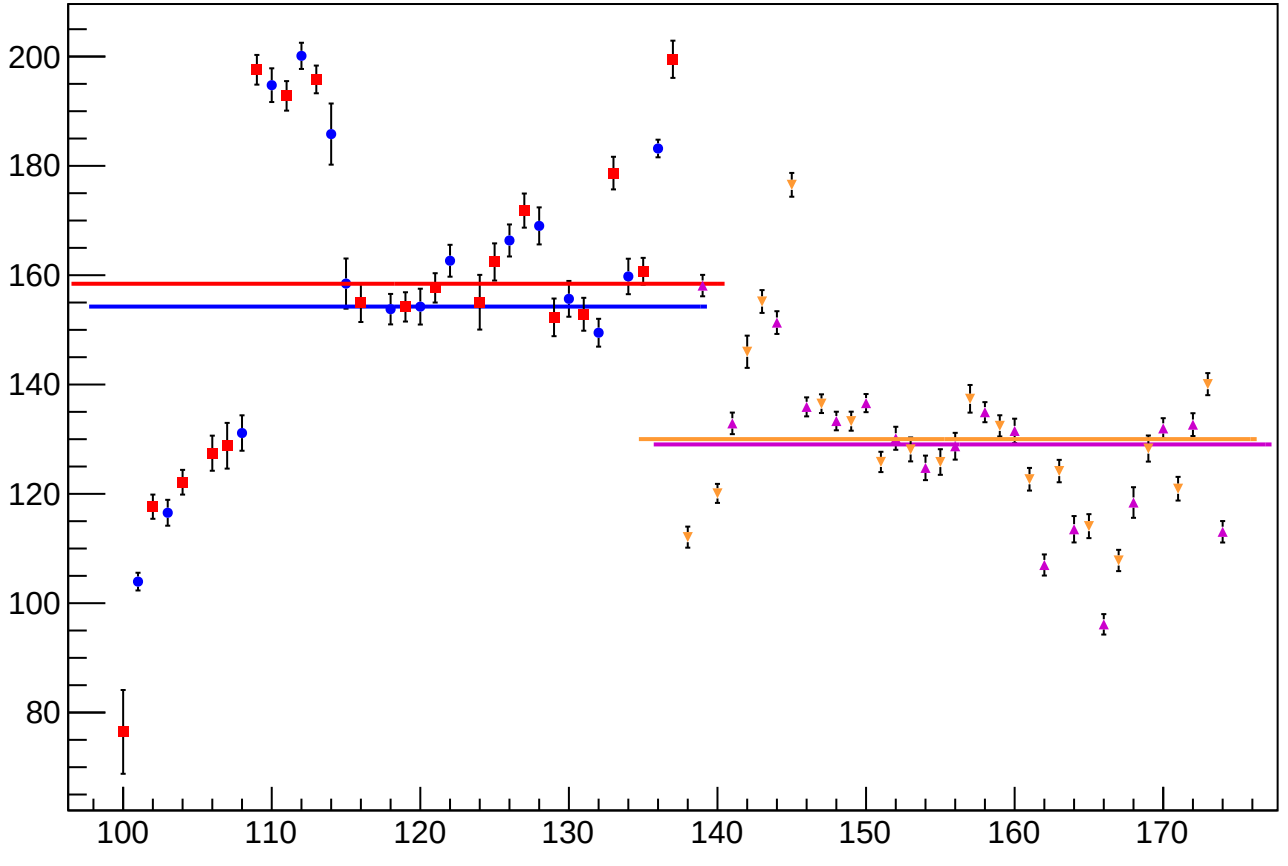
Out: -41.668+/-0.016 χ^2/NDF:191441.2/35

All: -41.381+/-0.011 χ^2/NDF: 322095.4/69


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
100
110
120
130
140
150
160
170
Right In: -79.382+/-0.611 χ²/NDF: 1475.9/15
Left Out: -70.240+/-0.480 χ²/NDF:960.2/18
Right Out: -80.294+/-0.604 χ²/NDF: 914.7/18
Left In: -69.379+/-0.480 χ²/NDF:879.5/17
Left: -69.810+/-0.340 χ²/NDF: 1841.4/36
Right: -79.844+/-0.430 χ²/NDF: 2391.7/34
In: -73.200+/-0.378 χ²/NDF:2521.0/33
Out: -74.133+/-0.376 χ²/NDF:2044.7/37
All: -73.669+/-0.266 χ²/NDF: 4568.8/71


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: 3.768+/-0.328 χ²/NDF:594.8/18
Right Out: 12.044+/-0.637 χ²/NDF: 195.8/18
Left In: 2.853+/-0.336 χ²/NDF:333.5/17
Left: 3.322+/-0.235 χ²/NDF: 932.1/36
Right: 10.762+/-0.445 χ²/NDF: 470.8/34
In: 4.370+/-0.296 χ²/NDF:690.2/33
Out: 5.505+/-0.292 χ²/NDF:924.1/37
All: 4.945+/-0.208 χ²/NDF: 1621.8/71

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 154.260+/-0.662 χ^2/NDF: 2213.7/15

Left Out: 130.016+/-0.471 χ^2/NDF:1033.6/18

Right Out: 158.435+/-0.683 χ^2/NDF: 1664.2/18

Left In: 129.042+/-0.471 χ^2/NDF:964.4/17

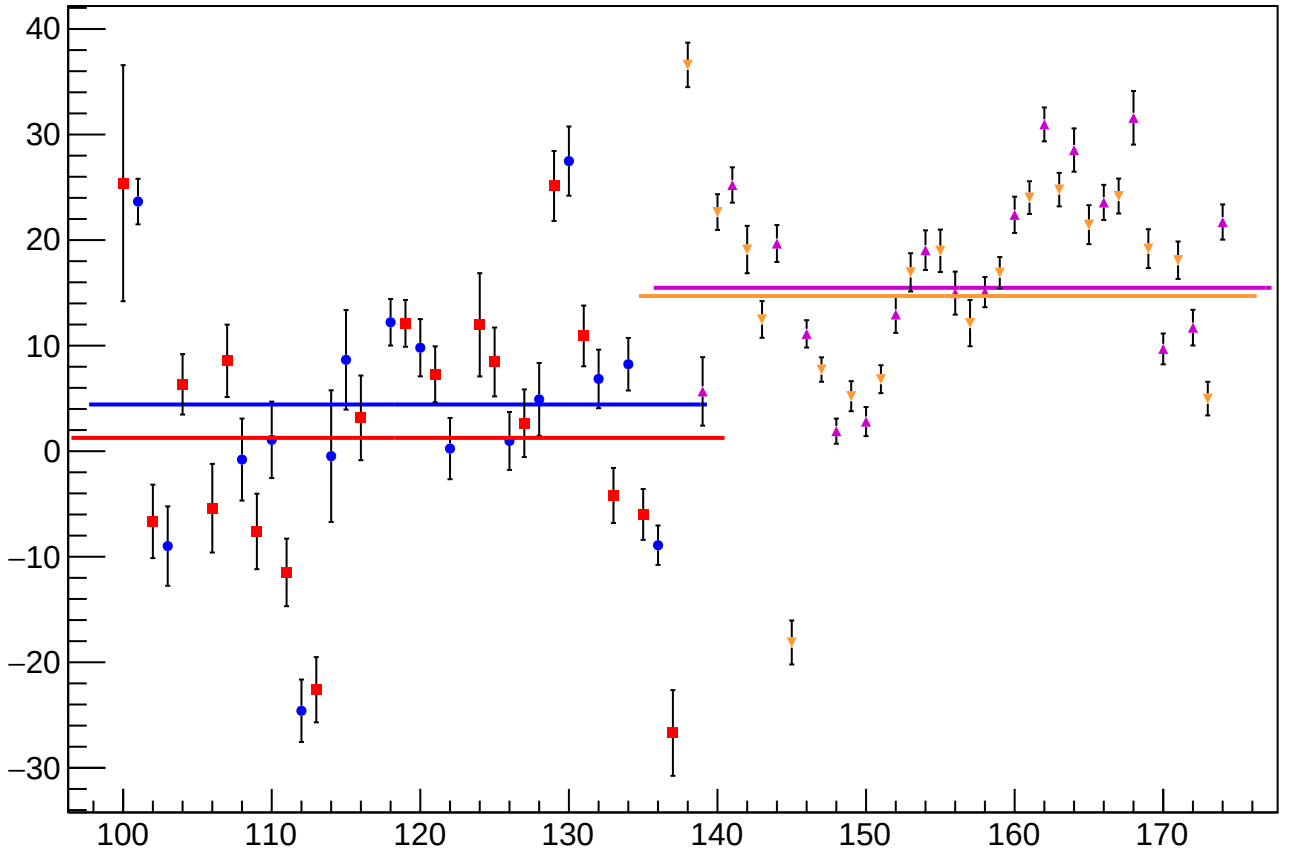
Left: 129.529+/-0.333 χ^2/NDF: 2000.1/36

Right: 156.282+/-0.475 χ^2/NDF: 3897.2/34

In: 137.524+/-0.384 χ^2/NDF:4141.9/33

Out: 139.184+/-0.388 χ^2/NDF:3872.0/37

All: 138.346+/-0.273 χ^2/NDF: 8023.2/71



Right In: 4.424+/-0.714 χ^2/NDF: 316.1/15

Left Out: 14.699+/-0.382 χ^2/NDF:679.5/18

Right Out: 1.260+/-0.732 χ^2/NDF: 264.9/18

Left In: 15.480+/-0.389 χ^2/NDF:528.5/17

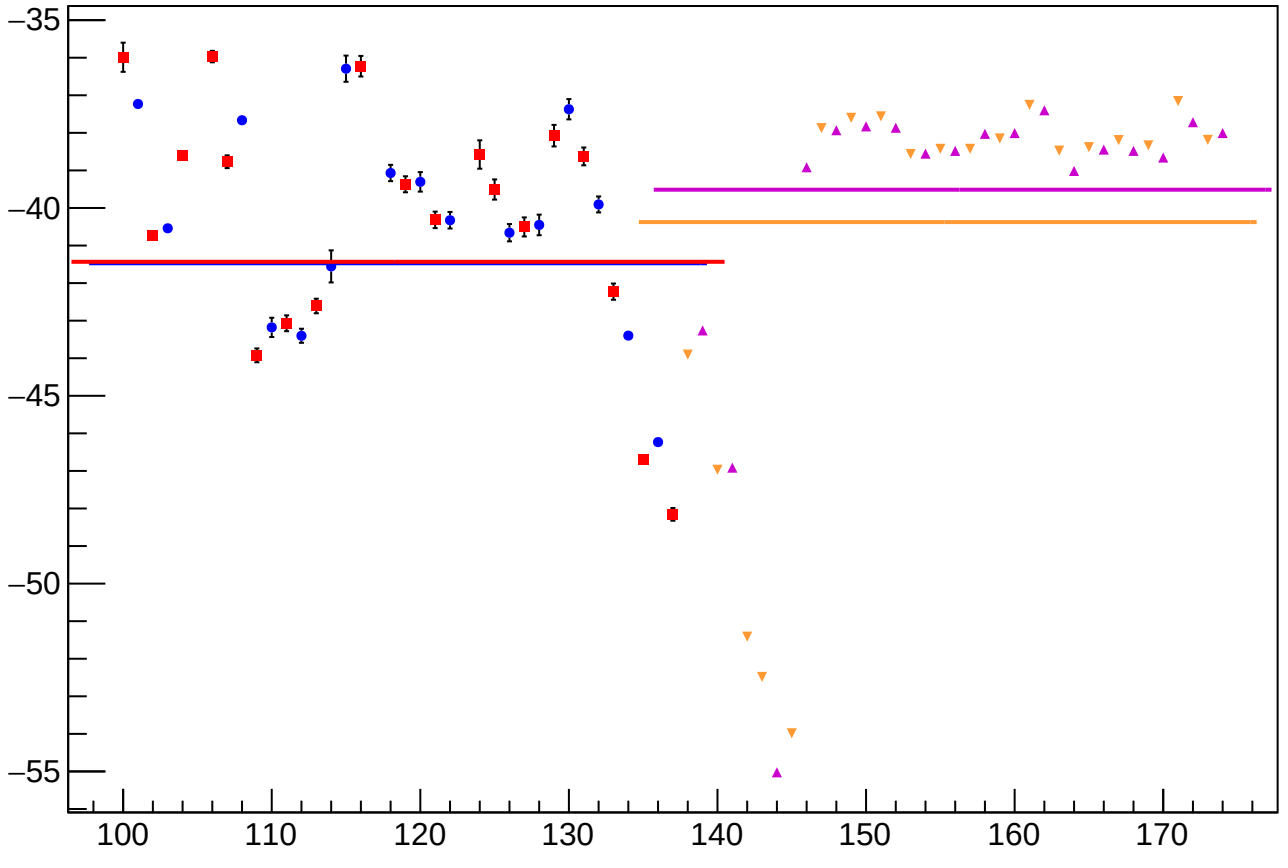
Left: 15.083+/-0.273 χ^2/NDF: 1210.1/36

Right: 2.881+/-0.511 χ^2/NDF: 590.5/34

In: 12.948+/-0.342 χ^2/NDF:1029.5/33

Out: 11.815+/-0.339 χ^2/NDF:1209.4/37

All: 12.377+/-0.241 χ^2/NDF: 2244.4/71



Right In: -41.472+/-0.038 χ^2/NDF: 7912.0/15

Left Out: -40.376+/-0.018 χ^2/NDF:76433.8/18

Right Out: -41.433+/-0.040 χ^2/NDF: 8225.4/18

Left In: -39.514+/-0.018 χ^2/NDF:44424.5/17

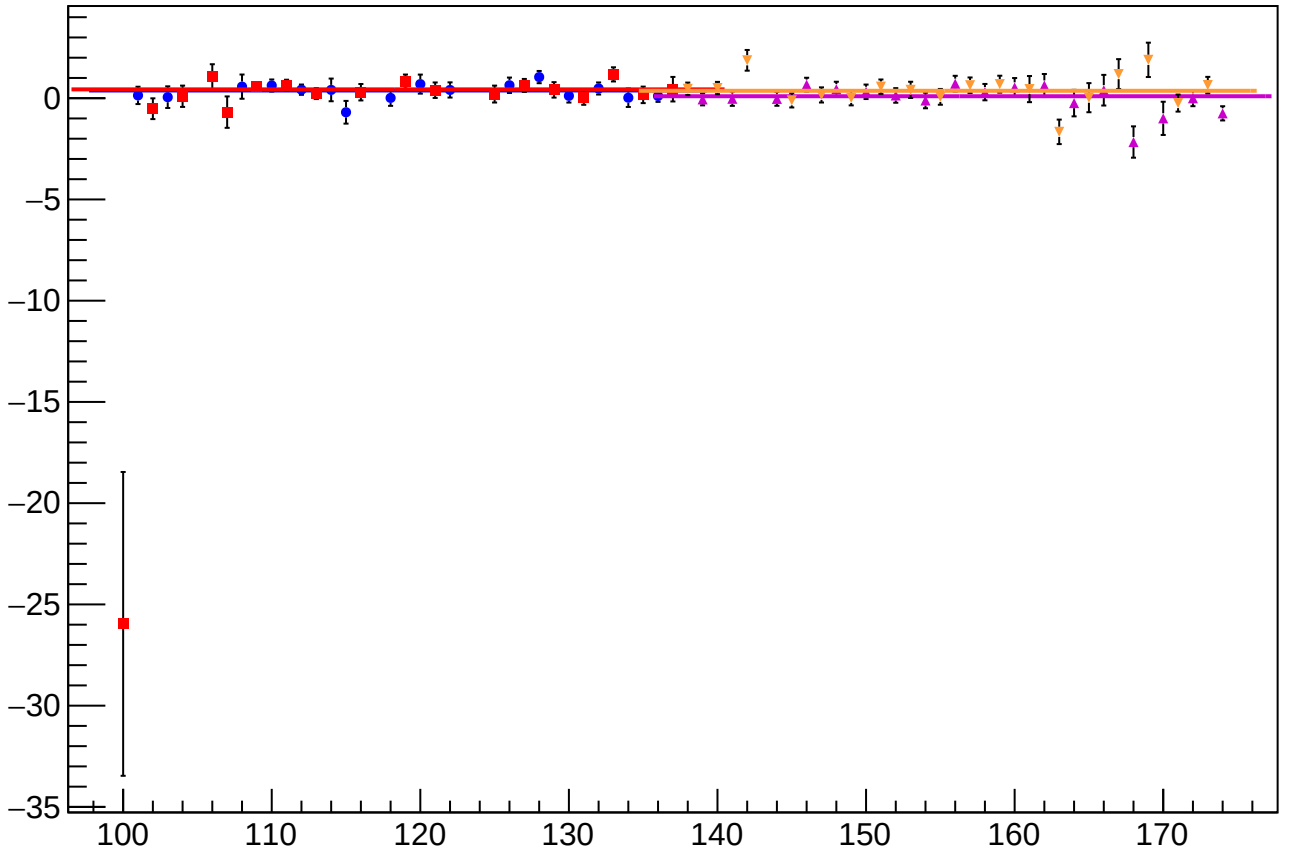
Left: -39.940+/-0.012 χ^2/NDF: 122048.3/36

Right: -41.453+/-0.027 χ^2/NDF: 16137.9/34

In: -39.857+/-0.016 χ^2/NDF:54514.1/33

Out: -40.553+/-0.016 χ^2/NDF:85254.8/37

All: -40.200+/-0.011 χ^2/NDF: 140707.1/71



Right In: 0.382+/-0.092 χ^2/NDF: 14.0/15

Left Out: 0.366+/-0.099 χ^2/NDF:32.5/17

Right Out: 0.436+/-0.090 χ^2/NDF: 29.0/17

Left In: 0.097+/-0.096 χ^2/NDF:26.0/17

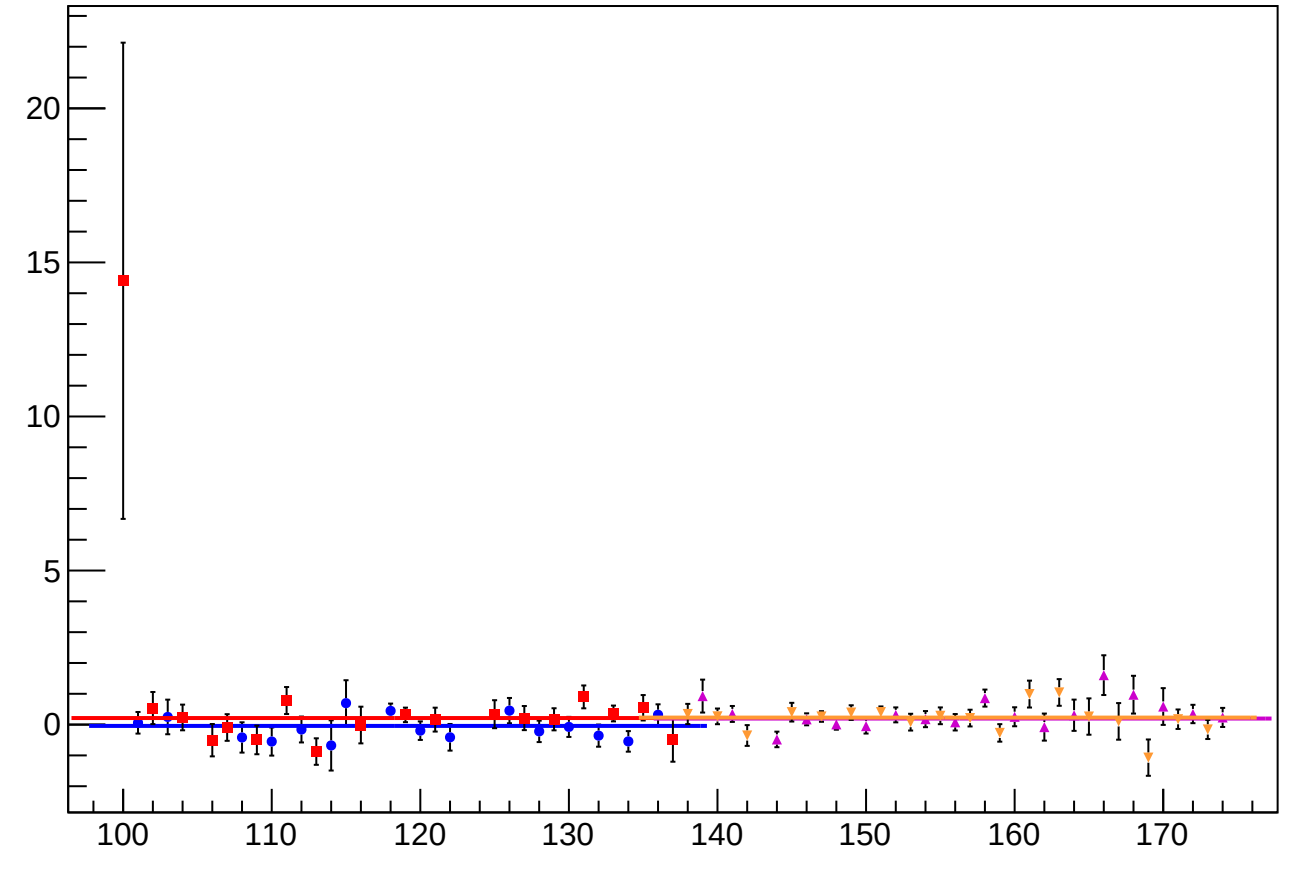
Left: 0.228+/-0.069 χ^2/NDF: 62.4/35

Right: 0.410+/-0.064 χ^2/NDF: 43.2/33

In: 0.245+/-0.066 χ^2/NDF:44.6/33

Out: 0.404+/-0.067 χ^2/NDF:61.8/35

All: 0.325+/-0.047 χ^2/NDF: 109.3/69



Right In: -0.043+/-0.094 χ^2/NDF: 15.0/15

Left Out: 0.228+/-0.068 χ^2/NDF:21.4/17

Right Out: 0.213+/-0.095 χ^2/NDF: 22.4/17

Left In: 0.196+/-0.068 χ^2/NDF:25.4/17

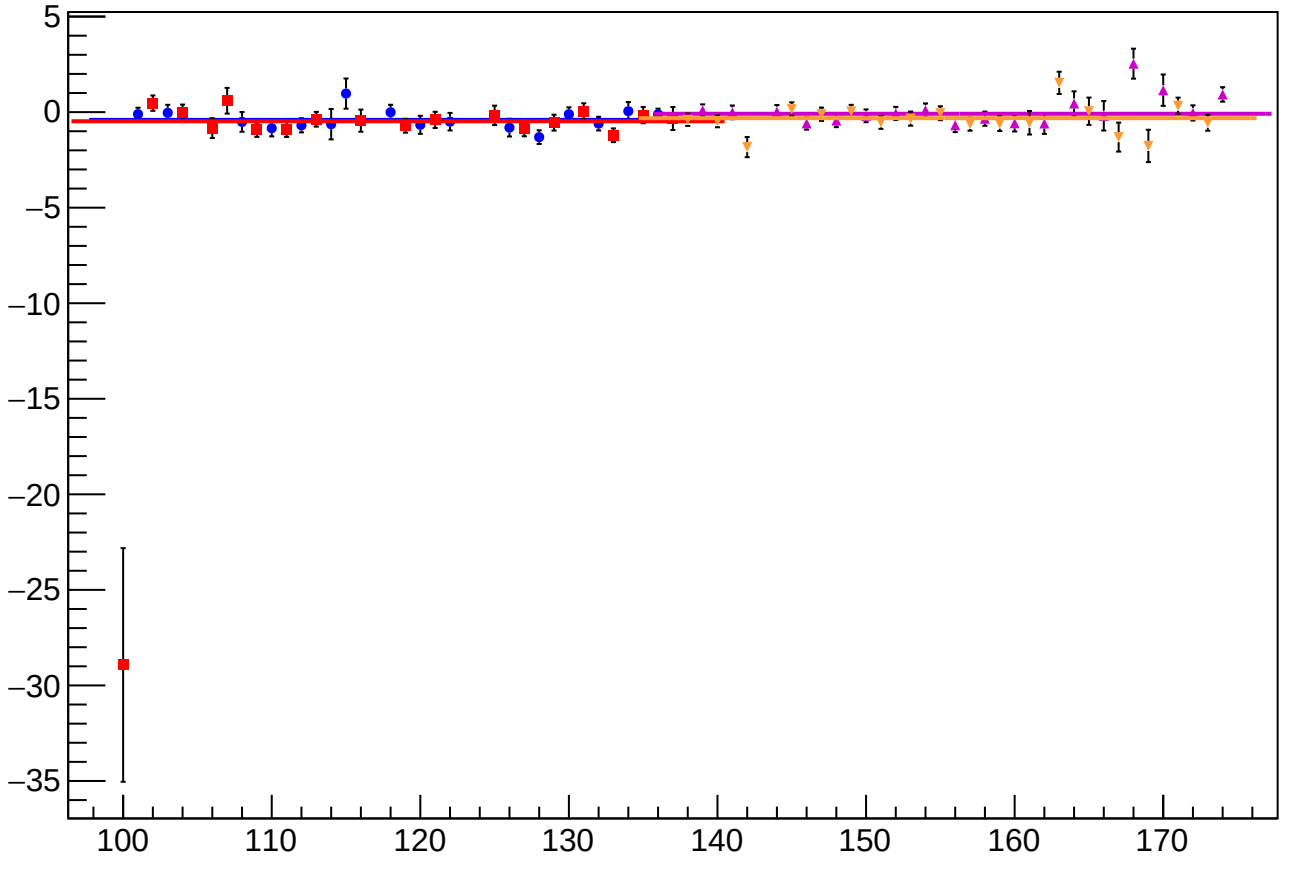
Left: 0.212+/-0.048 χ^2/NDF: 46.9/35

Right: 0.084+/-0.067 χ^2/NDF: 41.1/33

In: 0.115+/-0.055 χ^2/NDF:44.7/33

Out: 0.223+/-0.055 χ^2/NDF:43.8/35

All: 0.169+/-0.039 χ^2/NDF: 90.4/69



Right In: -0.406+/-0.103 χ^2/NDF: 17.8/15

Left Out: -0.317+/-0.096 χ^2/NDF:31.7/17

Right Out: -0.478+/-0.104 χ^2/NDF: 42.3/17

Left In: -0.086+/-0.094 χ^2/NDF:31.0/17

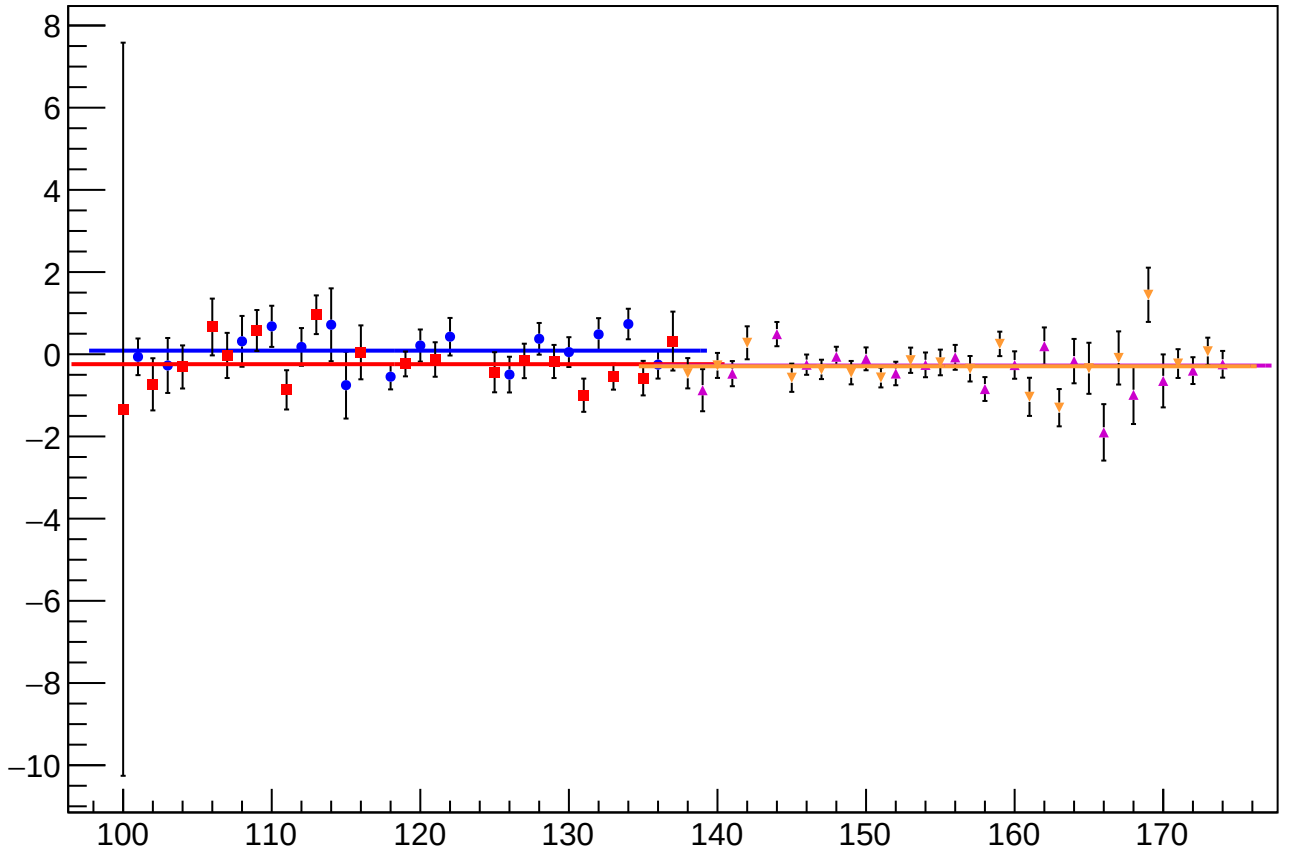
Left: -0.199+/-0.067 χ^2/NDF: 65.7/35

Right: -0.441+/-0.073 χ^2/NDF: 60.3/33

In: -0.231+/-0.069 χ^2/NDF:54.0/33

Out: -0.391+/-0.071 χ^2/NDF:75.3/35

All: -0.309+/-0.050 χ^2/NDF: 131.9/69



Right In: 0.088+/-0.108 χ^2/NDF: 15.9/15

Left Out: -0.292+/-0.080 χ^2/NDF:24.1/17

Right Out: -0.241+/-0.110 χ^2/NDF: 19.6/17

Left In: -0.275+/-0.079 χ^2/NDF:22.6/17

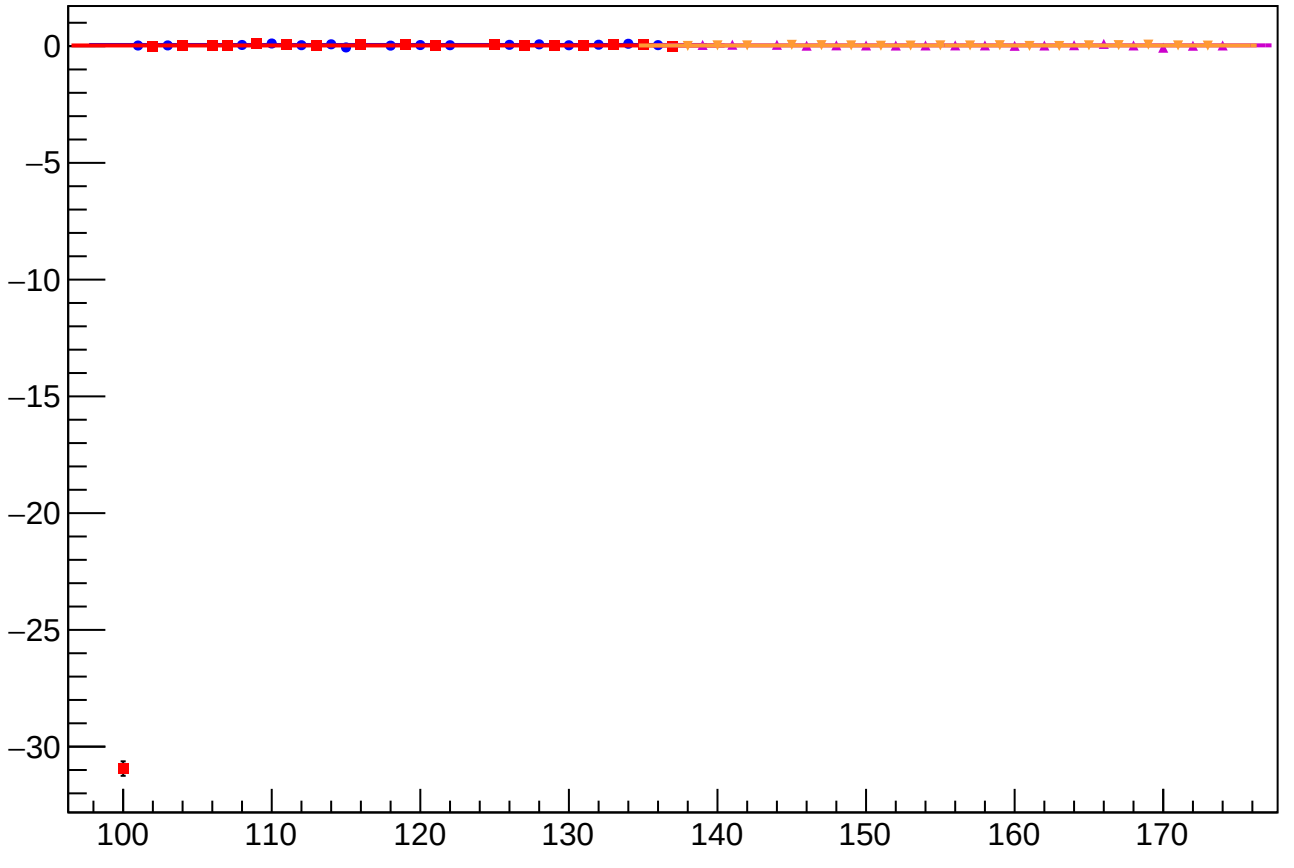
Left: -0.284+/-0.056 χ^2/NDF: 46.7/35

Right: -0.075+/-0.077 χ^2/NDF: 40.0/33

In: -0.150+/-0.064 χ^2/NDF:45.9/33

Out: -0.275+/-0.065 χ^2/NDF:43.8/35

All: -0.211+/-0.045 χ^2/NDF: 91.6/69



Right In: 0.049+/-0.006 χ^2/NDF: 19.2/15

Left Out: 0.028+/-0.004 χ^2/NDF:12.2/17

Right Out: 0.028+/-0.006 χ^2/NDF: 10020.9/17

Left In: 0.032+/-0.003 χ^2/NDF:30.4/17

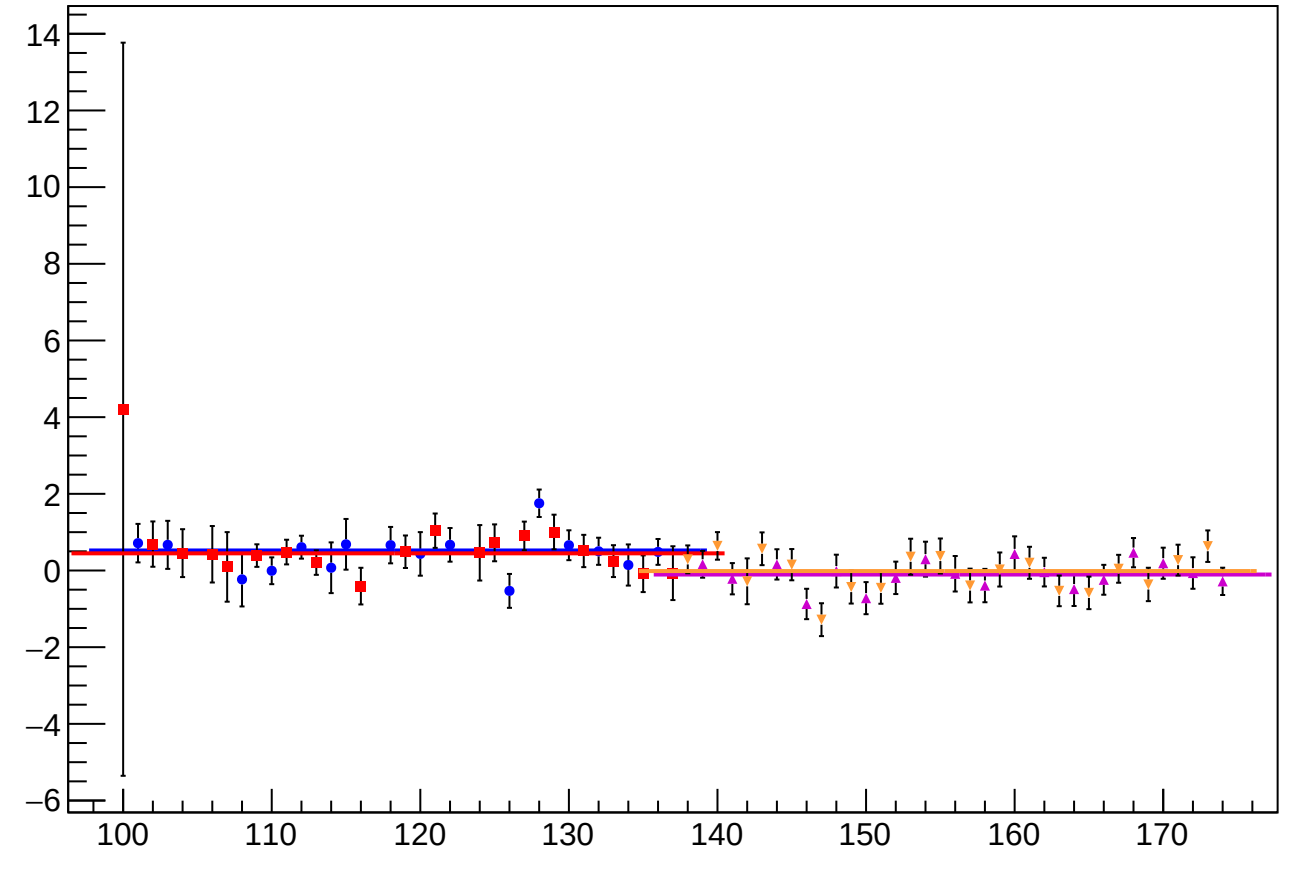
Left: 0.030+/-0.003 χ^2/NDF: 43.6/35

Right: 0.038+/-0.004 χ^2/NDF: 10045.5/33

In: 0.036+/-0.003 χ^2/NDF:54.6/33

Out: 0.028+/-0.003 χ^2/NDF:10033.2/35

All: 0.032+/-0.002 χ^2/NDF: 10091.7/69



Right In: 0.522+/-0.108 χ^2/NDF: 22.6/15

Left Out: -0.015+/-0.096 χ^2/NDF:26.6/18

Right Out: 0.448+/-0.105 χ^2/NDF: 11.4/18

Left In: -0.105+/-0.096 χ^2/NDF:13.6/17

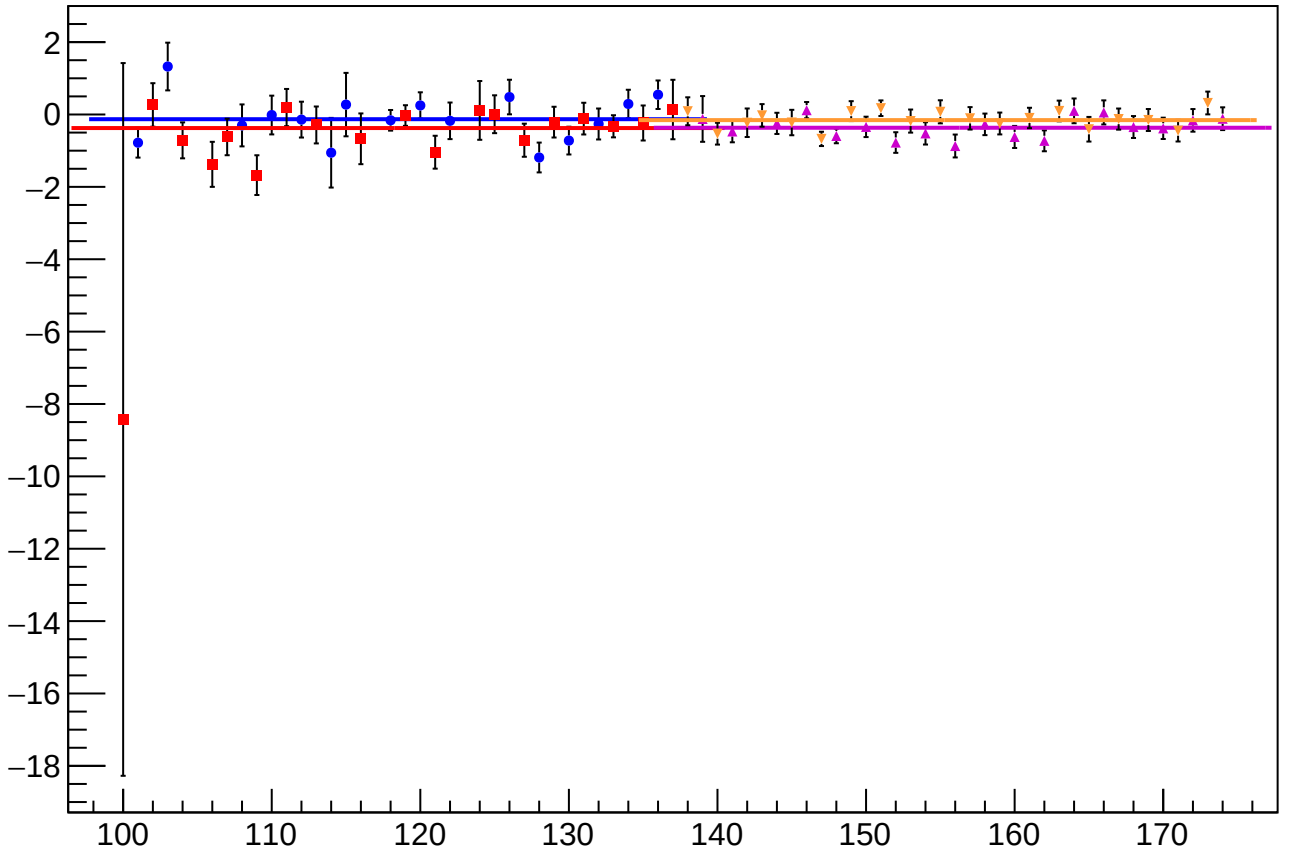
Left: -0.060+/-0.068 χ^2/NDF: 40.6/36

Right: 0.484+/-0.075 χ^2/NDF: 34.3/34

In: 0.170+/-0.072 χ^2/NDF:55.0/33

Out: 0.196+/-0.071 χ^2/NDF:48.5/37

All: 0.183+/-0.050 χ^2/NDF: 103.6/71



Right In: -0.130+/-0.112 χ^2/NDF: 24.6/15

Left Out: -0.156+/-0.067 χ^2/NDF:17.5/18

Right Out: -0.375+/-0.111 χ^2/NDF: 18.2/18

Left In: -0.366+/-0.069 χ^2/NDF:18.1/17

Left: -0.258+/-0.048 χ^2/NDF: 40.4/36

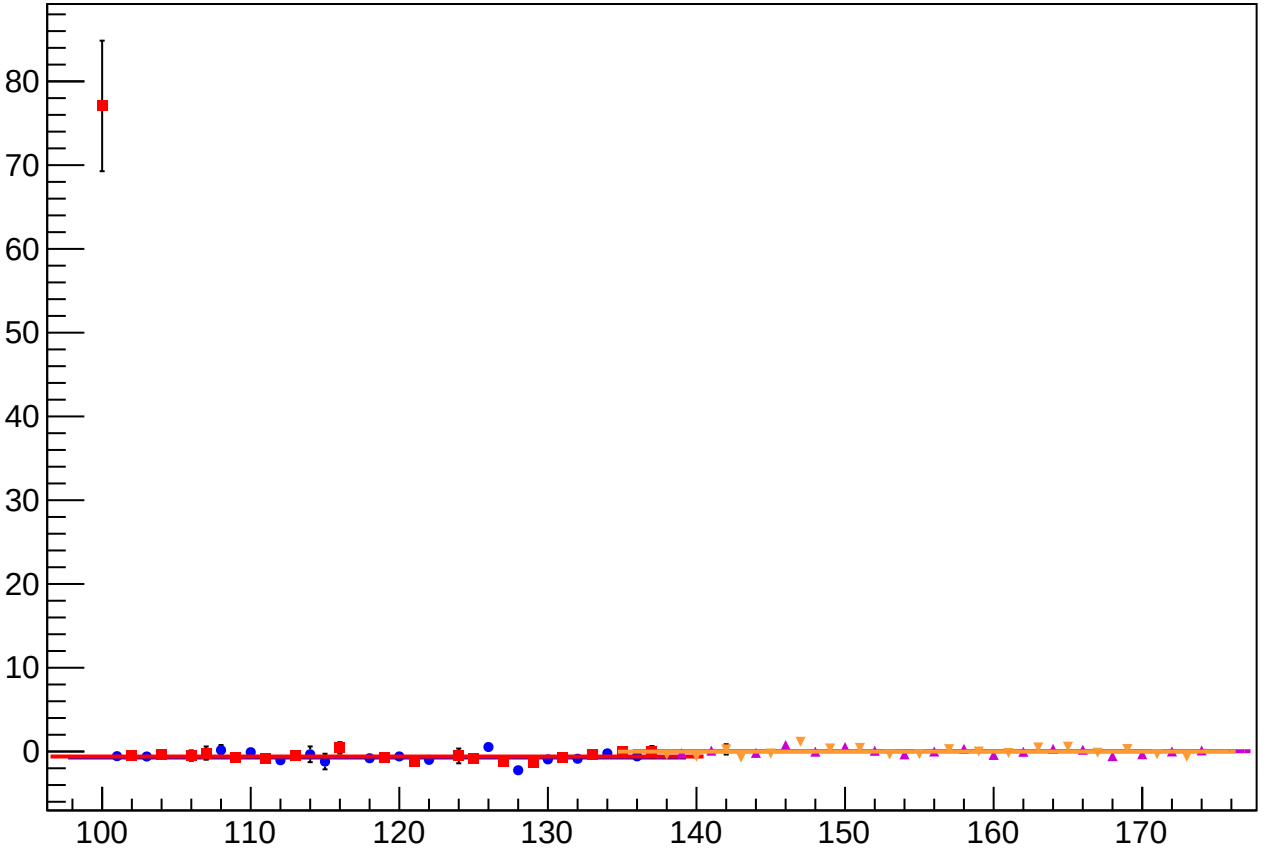
Right: -0.253+/-0.079 χ^2/NDF: 45.2/34

In: -0.301+/-0.059 χ^2/NDF:45.9/33

Out: -0.214+/-0.058 χ^2/NDF:38.5/37

All: -0.257+/-0.041 χ^2/NDF: 85.6/71

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.713+/-0.122 χ^2/NDF: 24.9/15

Left Out: -0.011+/-0.094 χ^2/NDF:26.3/18

Right Out: -0.597+/-0.122 χ^2/NDF: 110.9/18

Left In: 0.033+/-0.094 χ^2/NDF:12.2/17

Left: 0.011+/-0.067 χ^2/NDF: 38.6/36

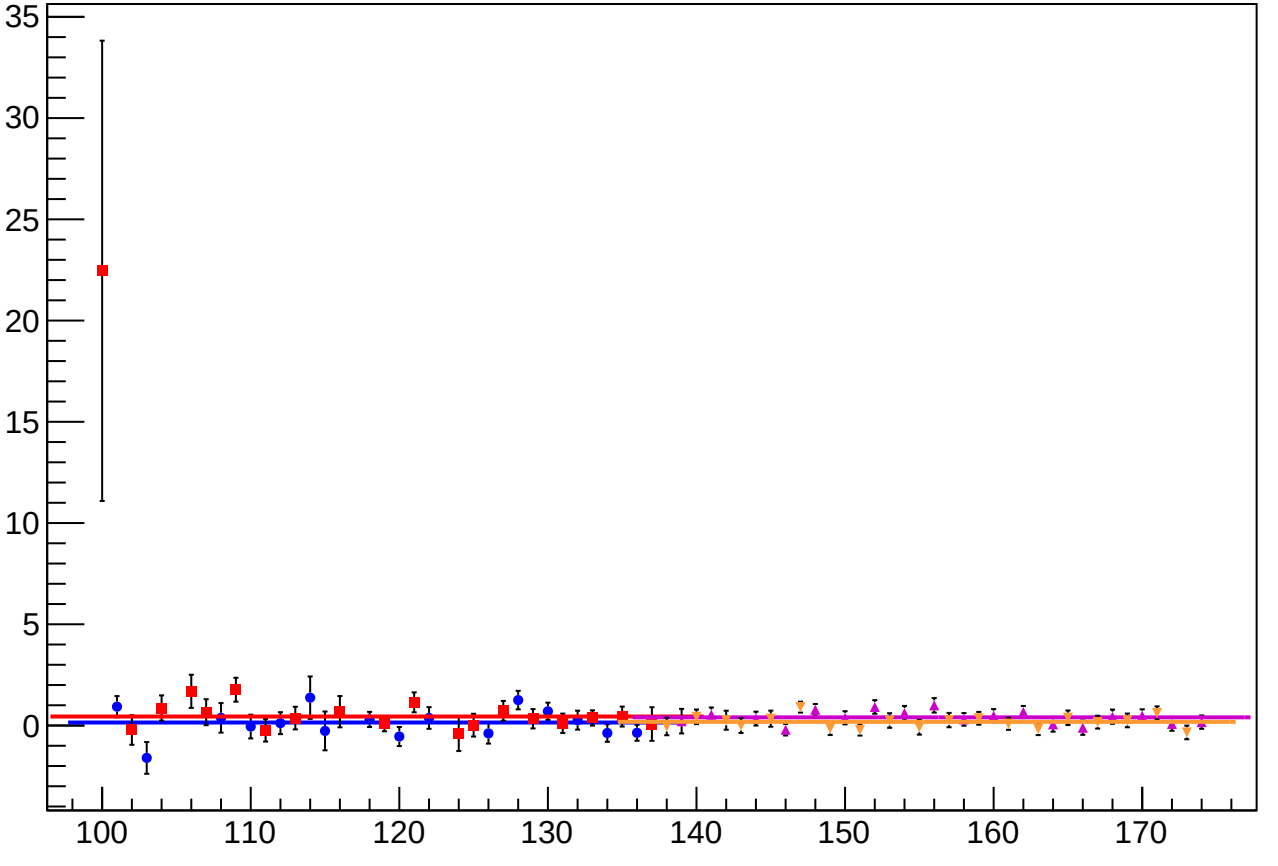
Right: -0.655+/-0.086 χ^2/NDF: 136.3/34

In: -0.247+/-0.074 χ^2/NDF:60.6/33

Out: -0.231+/-0.075 χ^2/NDF:151.8/37

All: -0.239+/-0.053 χ^2/NDF: 212.4/71

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.148+/-0.128 χ^2/NDF: 23.3/15

Left Out: 0.181+/-0.078 χ^2/NDF:18.2/18

Right Out: 0.445+/-0.128 χ^2/NDF: 19.7/18

Left In: 0.404+/-0.079 χ^2/NDF:17.4/17

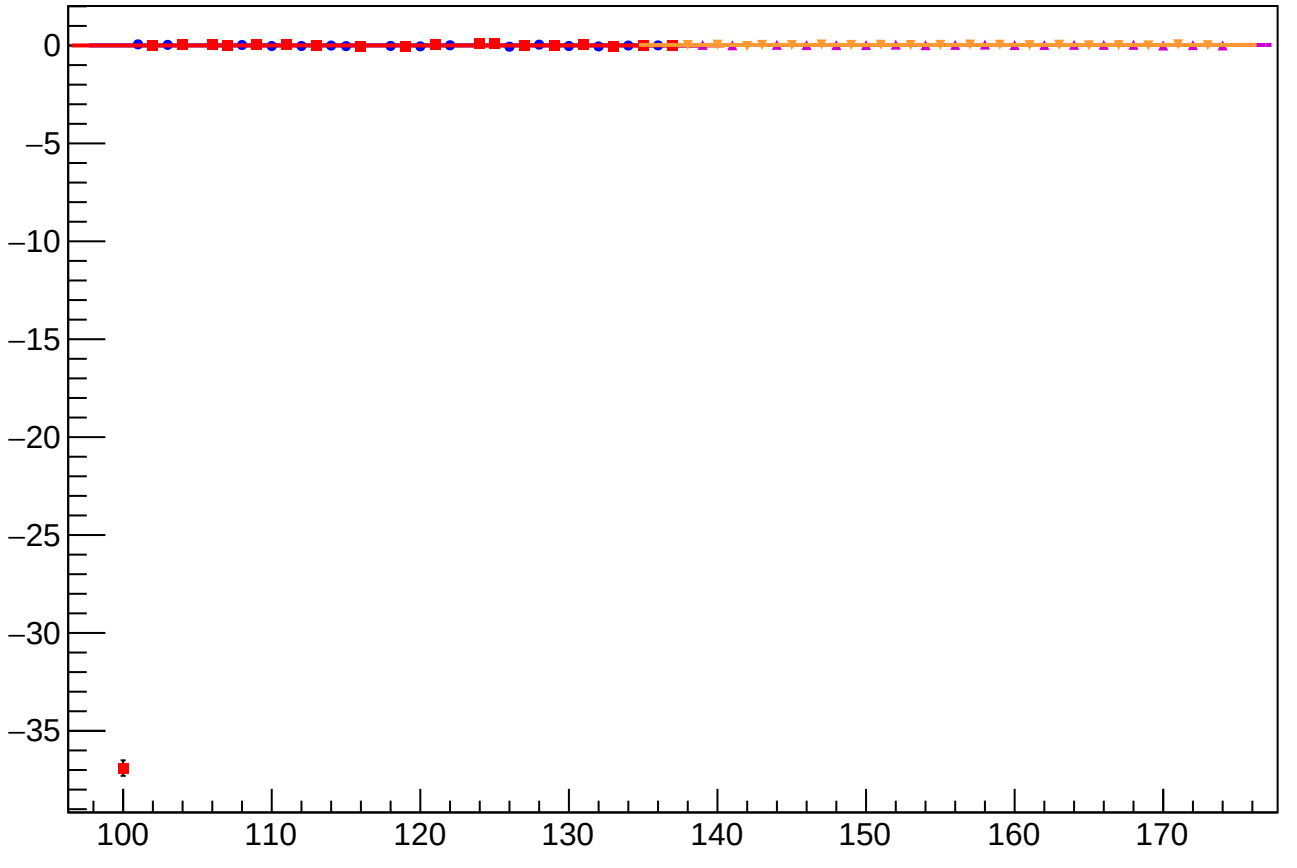
Left: 0.290+/-0.055 χ^2/NDF: 39.7/36

Right: 0.296+/-0.090 χ^2/NDF: 45.7/34

In: 0.333+/-0.067 χ^2/NDF:43.6/33

Out: 0.252+/-0.066 χ^2/NDF:41.0/37

All: 0.292+/-0.047 χ^2/NDF: 85.4/71



Right In: 0.006+/-0.007 χ^2/NDF: 17.6/15

Left Out: 0.027+/-0.004 χ^2/NDF:21.7/18

Right Out: 0.002+/-0.007 χ^2/NDF: 8753.3/18

Left In: 0.027+/-0.003 χ^2/NDF:12.9/17

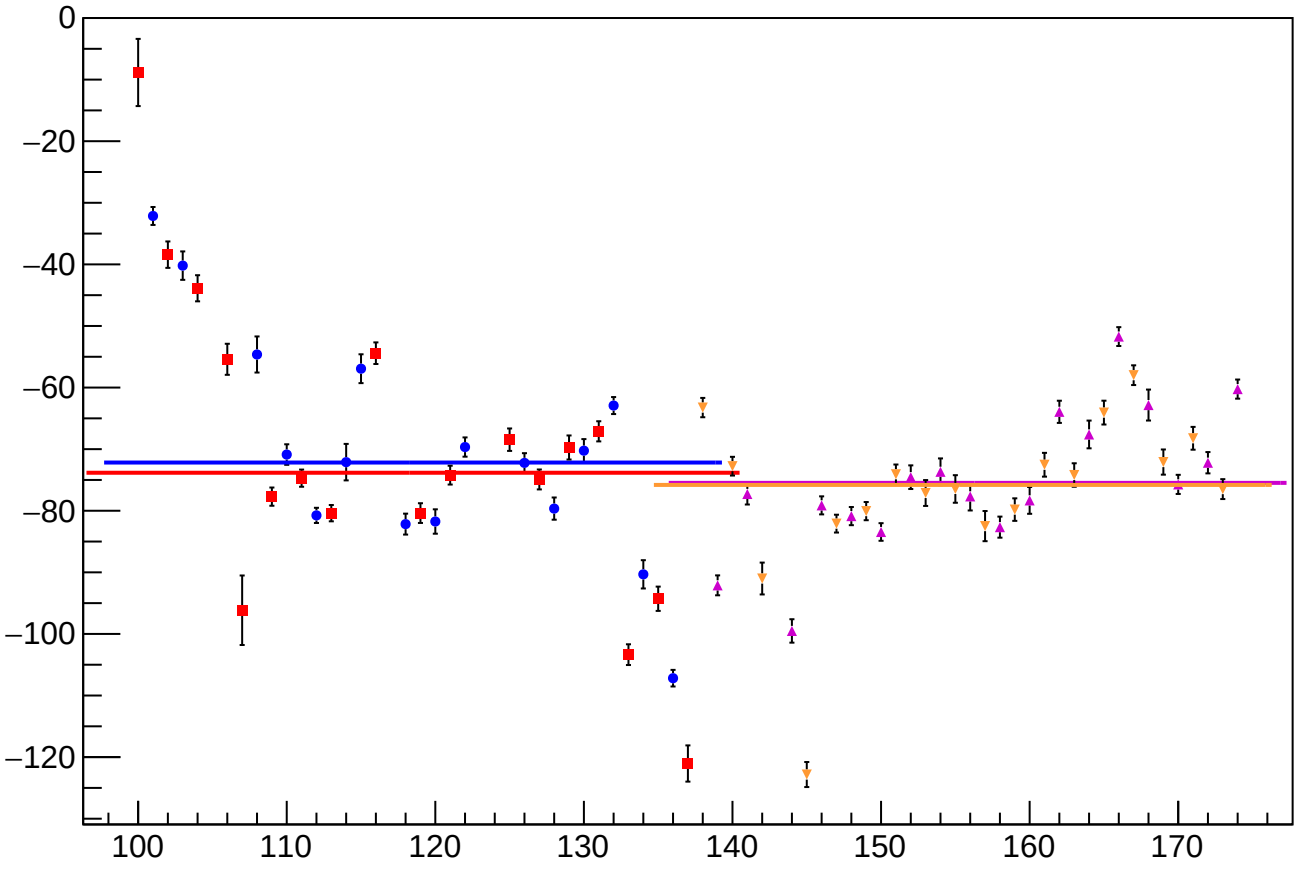
Left: 0.027+/-0.002 χ^2/NDF: 34.6/36

Right: 0.004+/-0.005 χ^2/NDF: 8771.0/34

In: 0.023+/-0.003 χ^2/NDF:37.1/33

Out: 0.023+/-0.003 χ^2/NDF:8784.5/37

All: 0.023+/-0.002 χ^2/NDF: 8821.6/71



Right In: -72.173+/-0.432 χ^2/NDF: 1936.0/15

Left Out: -75.807+/-0.424 χ^2/NDF:863.3/17

Right Out: -73.831+/-0.431 χ^2/NDF: 1557.7/17

Left In: -75.473+/-0.412 χ^2/NDF:757.7/17

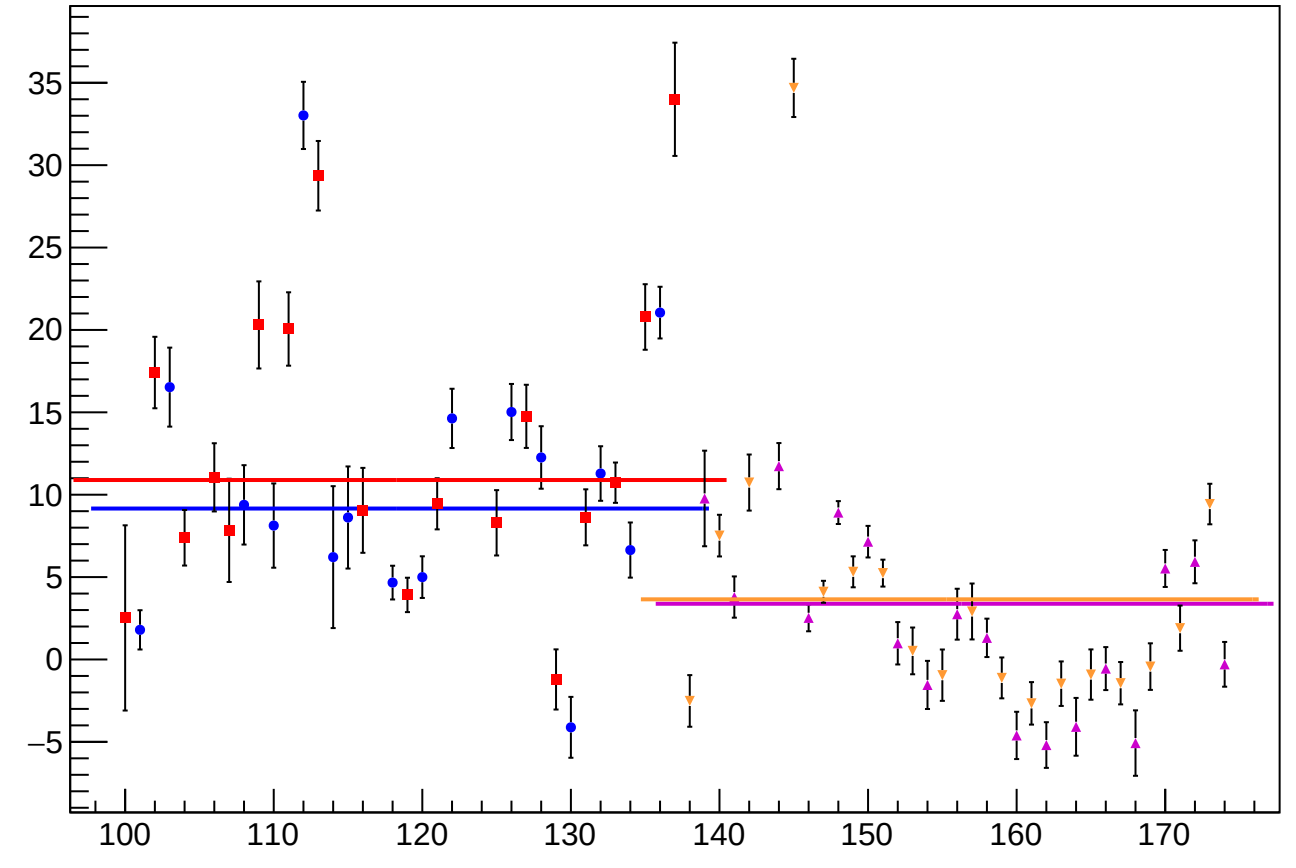
Left: -75.635+/-0.295 χ^2/NDF: 1621.4/35

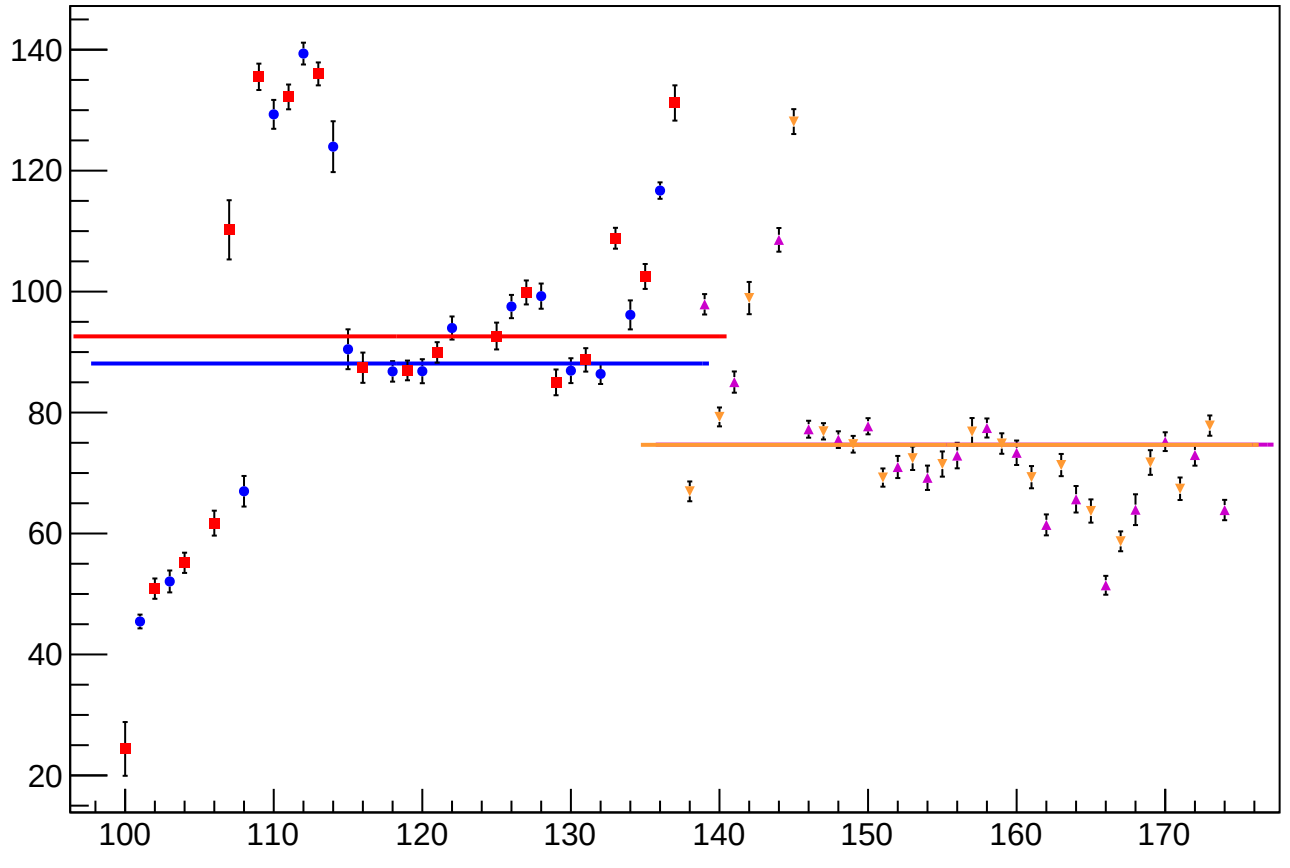
Right: -73.004+/-0.305 χ^2/NDF: 3501.0/33

In: -73.902+/-0.298 χ^2/NDF:2724.3/33

Out: -74.835+/-0.302 χ^2/NDF:2431.7/35

All: -74.362+/-0.212 χ^2/NDF: 5160.8/69


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 9.161+/-0.425 χ²/NDF: 352.1/15
Left Out: 3.650+/-0.284 χ²/NDF:481.6/17
Right Out: 10.892+/-0.440 χ²/NDF: 290.2/17
Left In: 3.382+/-0.286 χ²/NDF:268.2/17
Left: 3.516+/-0.202 χ²/NDF: 750.2/35
Right: 9.996+/-0.306 χ²/NDF: 650.3/33
In: 5.179+/-0.237 χ²/NDF:747.6/33
Out: 5.782+/-0.239 χ²/NDF:962.8/35
All: 5.479+/-0.168 χ²/NDF: 1713.6/69



Right In: 88.109+/-0.469 χ^2/NDF: 3561.7/15

Left Out: 74.663+/-0.414 χ^2/NDF:967.6/17

Right Out: 92.596+/-0.483 χ^2/NDF: 3211.0/17

Left In: 74.694+/-0.403 χ^2/NDF:905.6/17

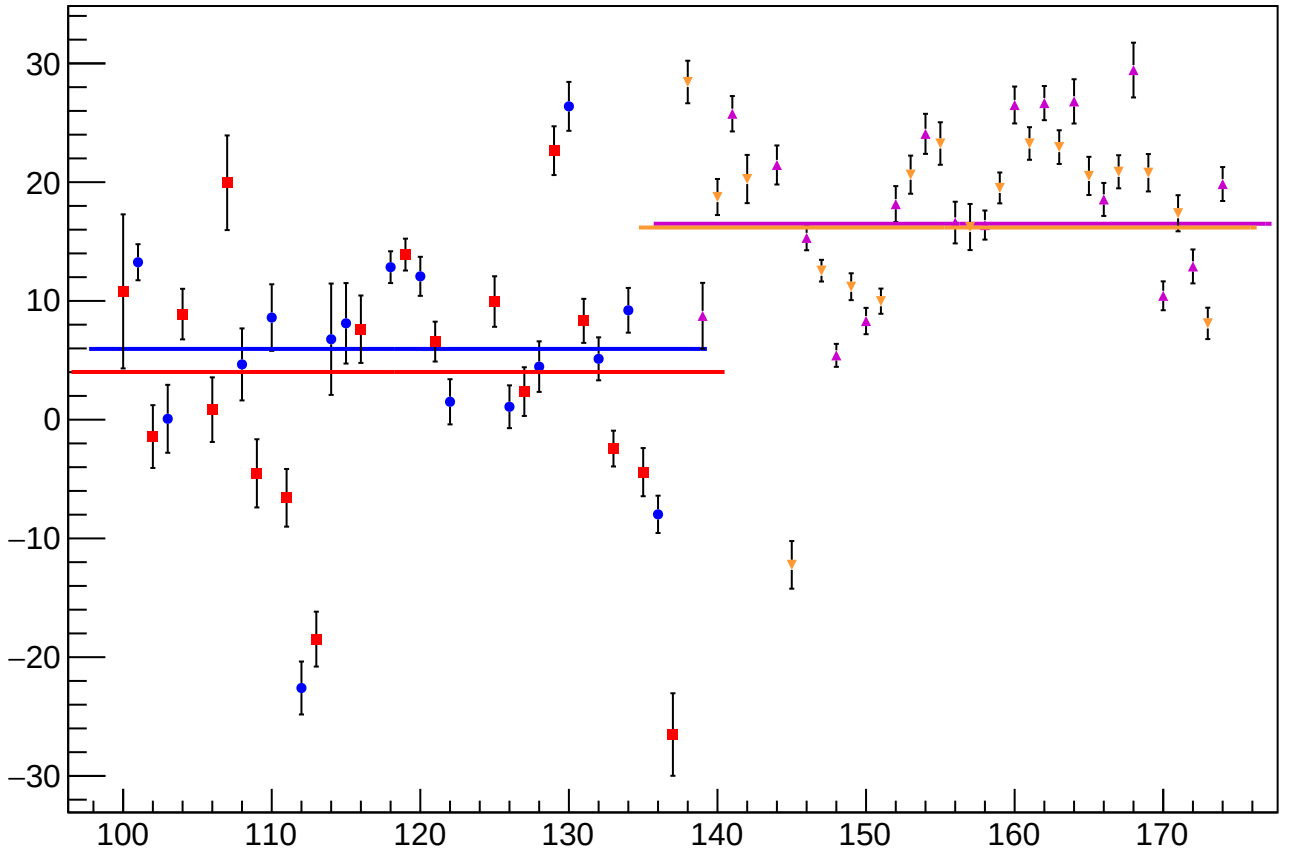
Left: 74.679+/-0.289 χ^2/NDF: 1873.2/35

Right: 90.284+/-0.336 χ^2/NDF: 6817.1/33

In: 80.404+/-0.306 χ^2/NDF:4938.0/33

Out: 82.254+/-0.314 χ^2/NDF:4973.1/35

All: 81.303+/-0.219 χ^2/NDF: 9929.0/69



Right In: 5.958+/-0.495 χ^2/NDF: 426.8/15

Left Out: 16.181+/-0.333 χ^2/NDF:468.1/17

Right Out: 4.017+/-0.510 χ^2/NDF: 417.7/17

Left In: 16.498+/-0.332 χ^2/NDF:456.6/17

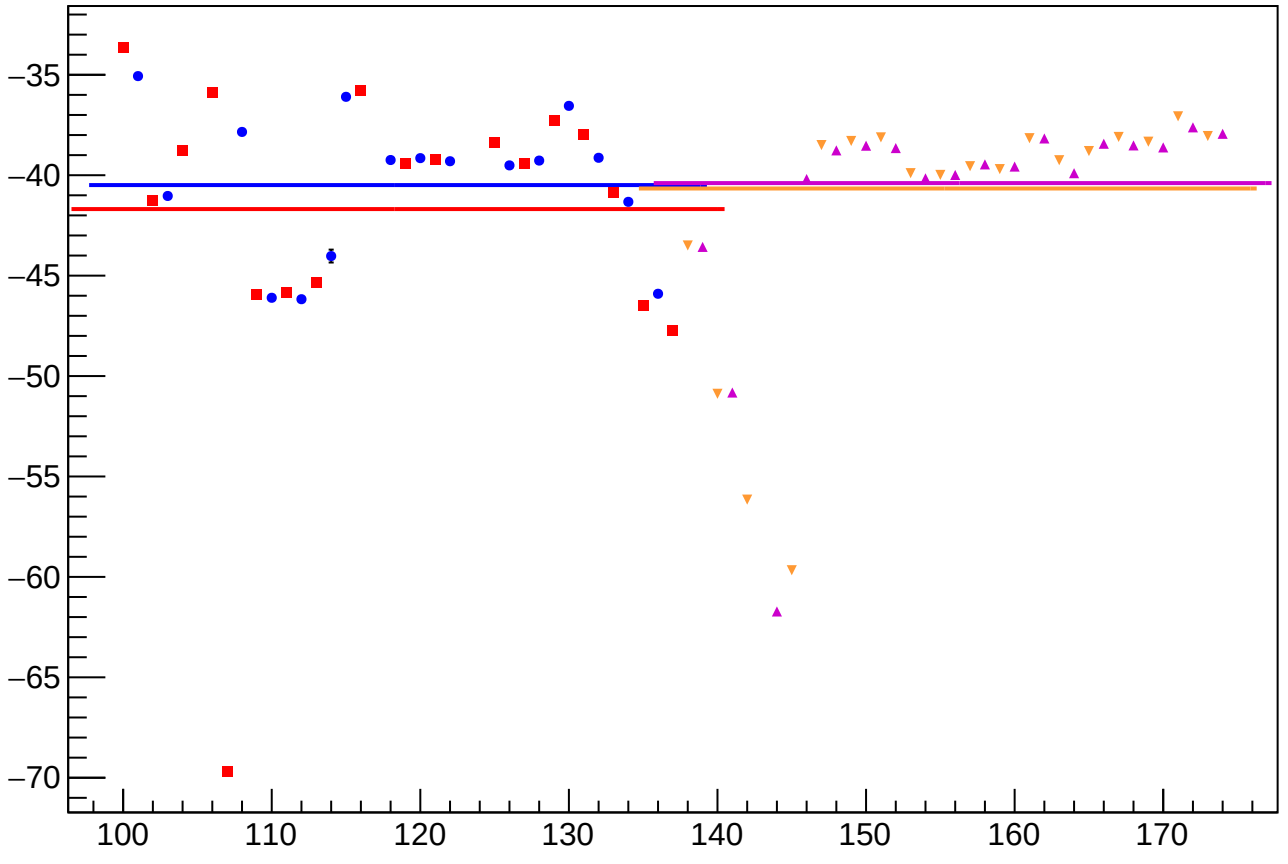
Left: 16.340+/-0.235 χ^2/NDF: 925.1/35

Right: 5.016+/-0.355 χ^2/NDF: 851.9/33

In: 13.228+/-0.276 χ^2/NDF:1196.5/33

Out: 12.536+/-0.279 χ^2/NDF:1284.8/35

All: 12.886+/-0.196 χ^2/NDF: 2484.4/69



Right In: -40.491+/-0.028 χ^2/NDF: 18125.4/15

Left Out: -40.661+/-0.016 χ^2/NDF:114295.6/17

Right Out: -41.686+/-0.029 χ^2/NDF: 36838.6/17

Left In: -40.392+/-0.015 χ^2/NDF:93433.2/17

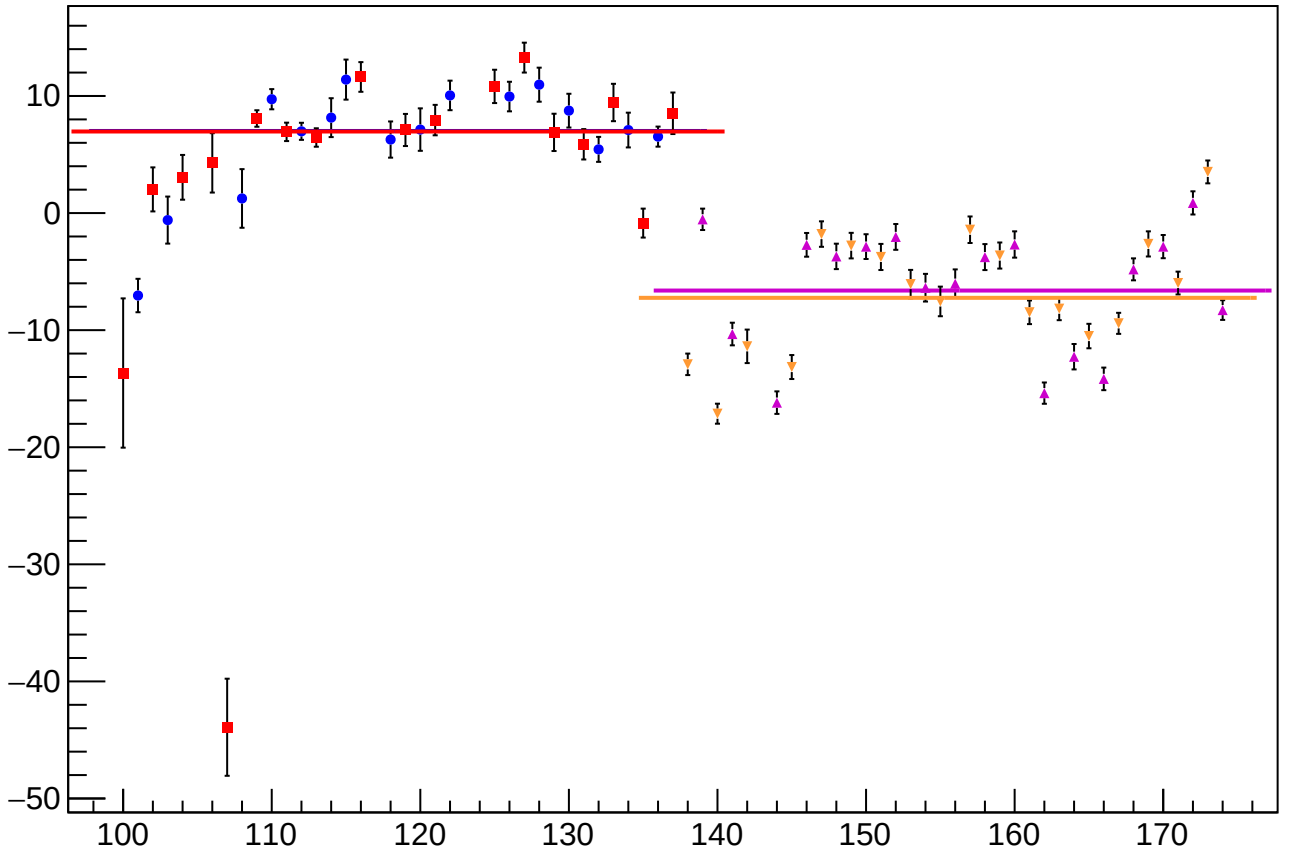
Left: -40.522+/-0.011 χ^2/NDF: 207883.0/35

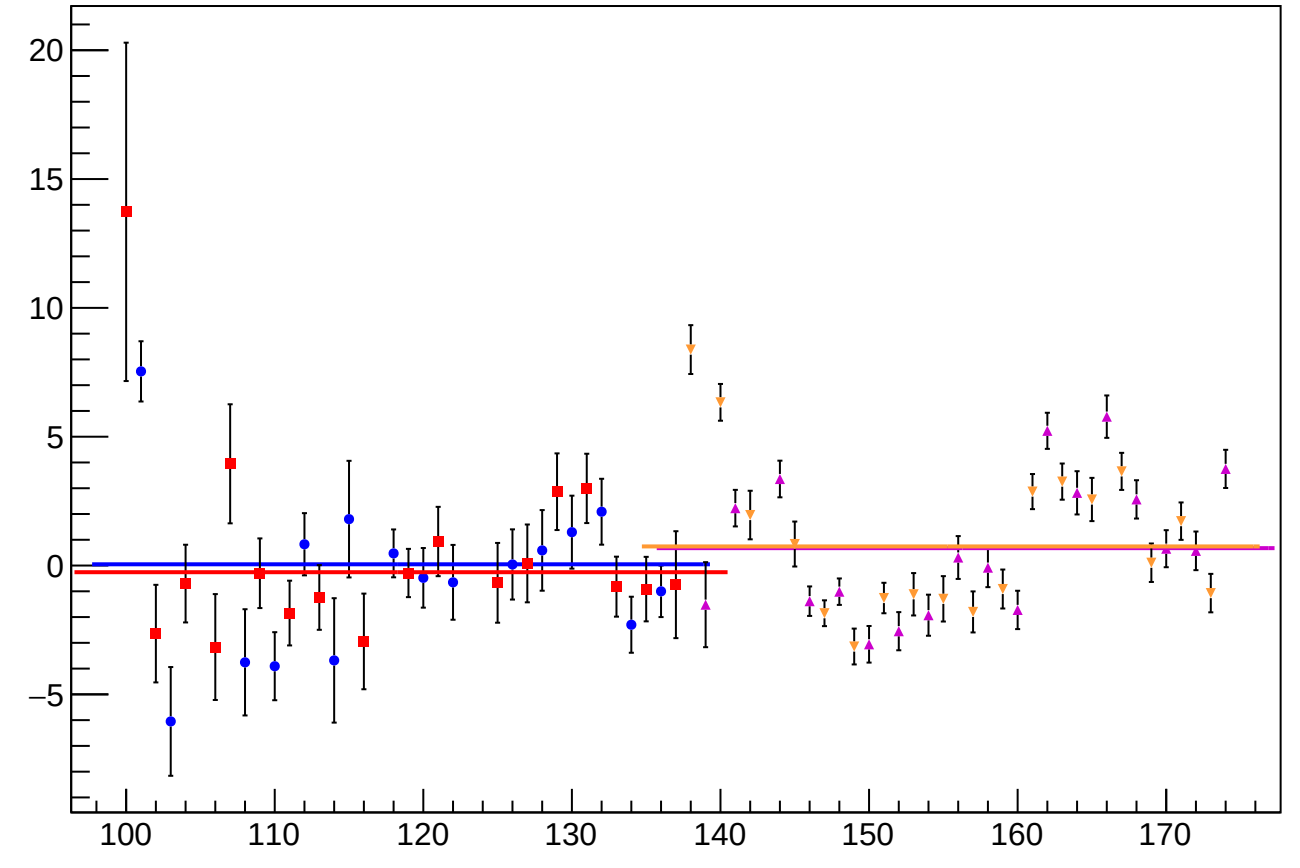
Right: -41.069+/-0.020 χ^2/NDF: 55825.2/33

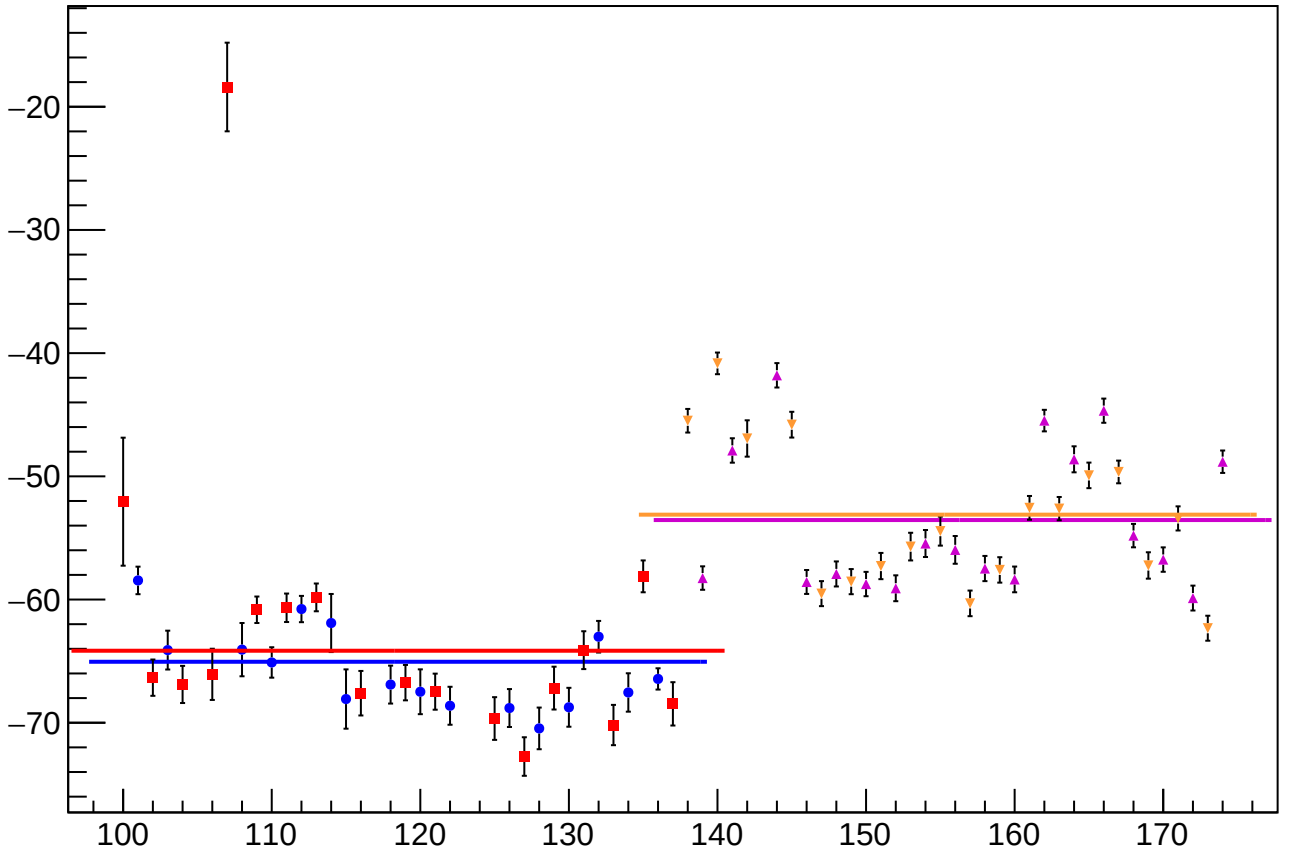
In: -40.414+/-0.013 χ^2/NDF:111568.1/33

Out: -40.888+/-0.014 χ^2/NDF:152088.6/35

All: -40.643+/-0.010 χ^2/NDF: 264270.6/69


reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: 7.011+/-0.309 χ²/NDF: 156.3/15
Left Out: -7.240+/-0.246 χ²/NDF:462.8/17
Right Out: 6.967+/-0.298 χ²/NDF: 266.0/17
Left In: -6.617+/-0.238 χ²/NDF:489.7/17
Left: -6.918+/-0.171 χ²/NDF: 955.8/35
Right: 6.988+/-0.215 χ²/NDF: 422.3/33
In: -1.540+/-0.189 χ²/NDF:1864.4/33
Out: -1.484+/-0.190 χ²/NDF:2079.2/35
All: -1.512+/-0.134 χ²/NDF: 3943.6/69


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: 0.742+/-0.173 χ²/NDF:275.0/17
Right Out: -0.259+/-0.344 χ²/NDF: 27.5/17
Left In: 0.675+/-0.172 χ²/NDF:224.4/17
Left: 0.708+/-0.122 χ²/NDF: 499.5/35
Right: -0.099+/-0.239 χ²/NDF: 102.9/33
In: 0.542+/-0.153 χ²/NDF:302.2/33
Out: 0.541+/-0.154 χ²/NDF:309.3/35
All: 0.542+/-0.109 χ²/NDF: 611.5/69



Right In: -65.051+/-0.354 χ^2/NDF: 92.8/15

Left Out: -53.110+/-0.242 χ^2/NDF:603.7/17

Right Out: -64.156+/-0.360 χ^2/NDF: 303.7/17

Left In: -53.548+/-0.235 χ^2/NDF:609.6/17

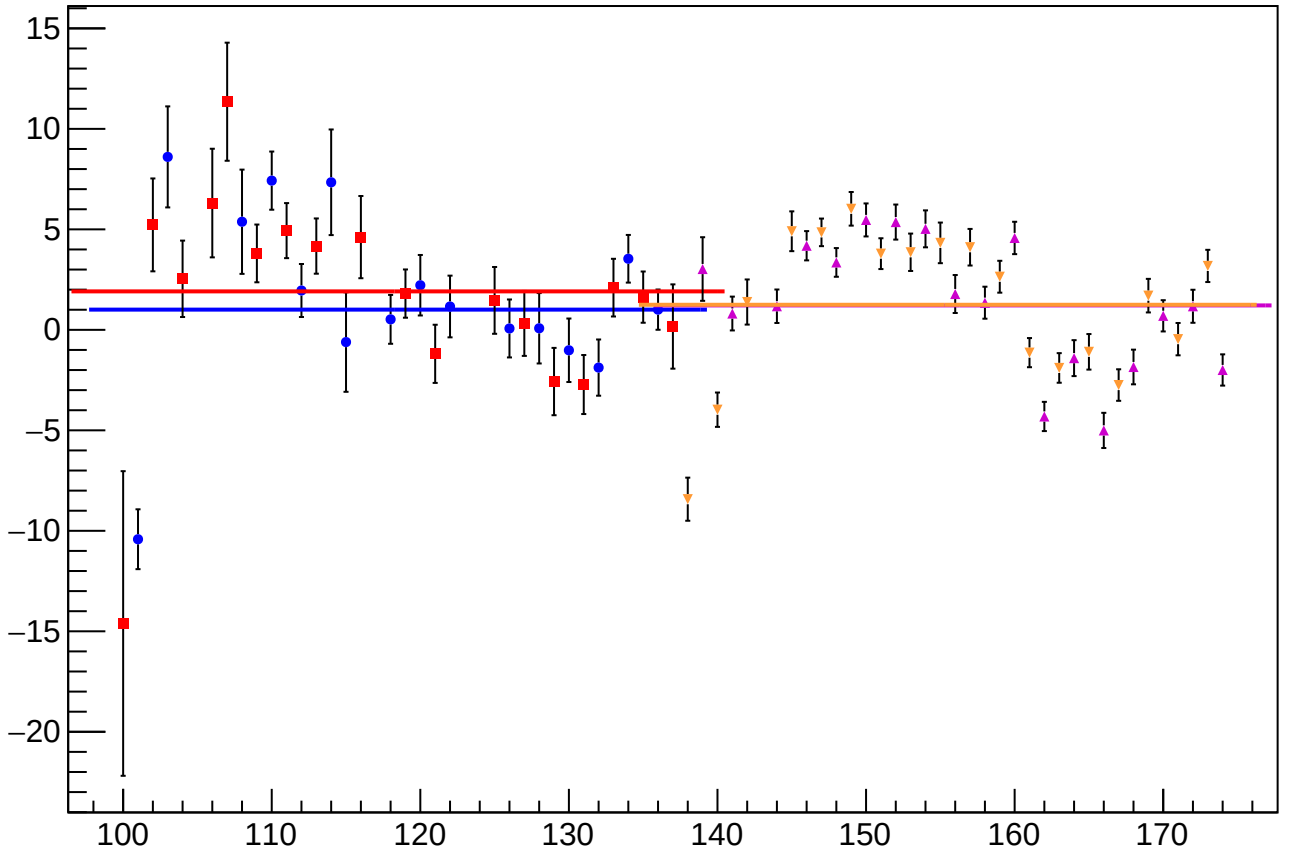
Left: -53.335+/-0.168 χ^2/NDF: 1215.0/35

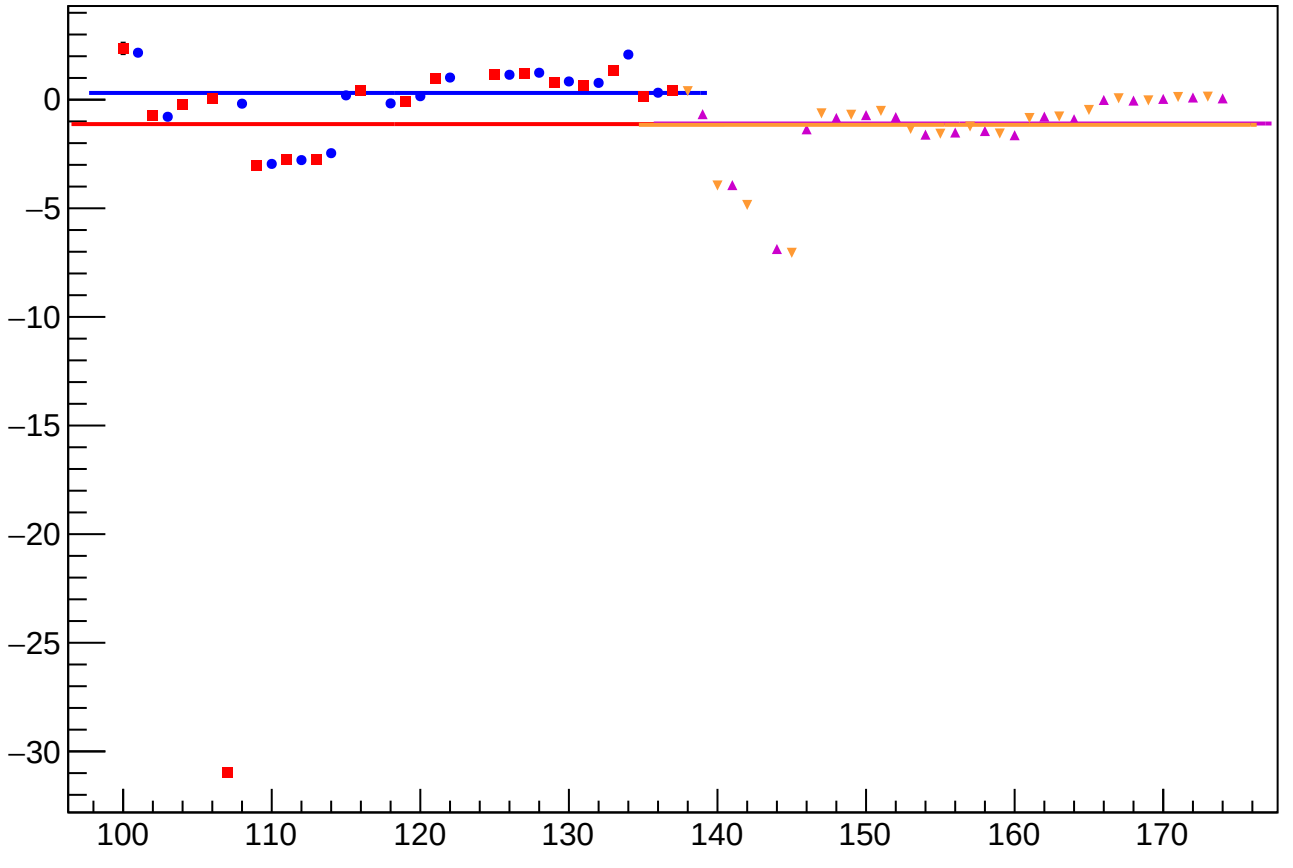
Right: -64.611+/-0.253 χ^2/NDF: 399.6/33

In: -57.061+/-0.196 χ^2/NDF:1435.8/33

Out: -56.534+/-0.201 χ^2/NDF:1555.3/35

All: -56.804+/-0.140 χ^2/NDF: 2994.7/69


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
−20
100
110
120
130
140
150
160
170
Right In: 1.006+/-0.376 χ²/NDF: 109.2/15
Left Out: 1.247+/-0.198 χ²/NDF:306.2/17
Right Out: 1.914+/-0.390 χ²/NDF: 54.5/17
Left In: 1.215+/-0.196 χ²/NDF:258.4/17
Left: 1.231+/-0.140 χ²/NDF: 564.6/35
Right: 1.443+/-0.270 χ²/NDF: 166.5/33
In: 1.171+/-0.174 χ²/NDF:367.9/33
Out: 1.385+/-0.177 χ²/NDF:363.0/35
All: 1.276+/-0.124 χ²/NDF: 731.7/69



Right In: 0.310+/-0.021 χ^2/NDF: 4848.4/15

Left Out: -1.157+/-0.009 χ^2/NDF:37254.0/17

Right Out: -1.124+/-0.022 χ^2/NDF: 46347.9/17

Left In: -1.097+/-0.009 χ^2/NDF:28457.4/17

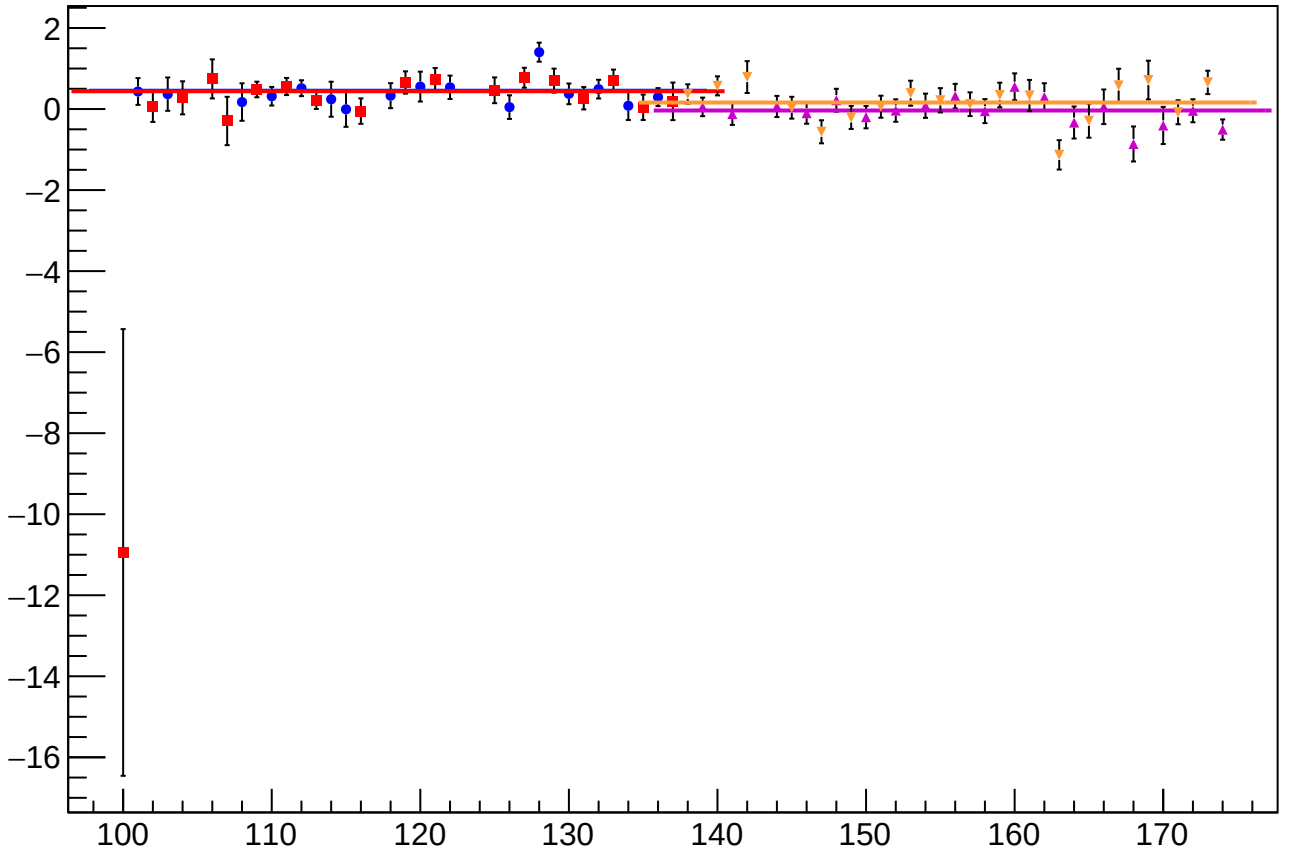
Left: -1.126+/-0.006 χ^2/NDF: 65734.2/35

Right: -0.369+/-0.015 χ^2/NDF: 53391.3/33

In: -0.893+/-0.008 χ^2/NDF:37124.0/33

Out: -1.152+/-0.008 χ^2/NDF:83603.8/35

All: -1.018+/-0.006 χ^2/NDF: 121230.7/69



Right In: 0.452+/-0.071 χ^2/NDF: 22.6/15

Left Out: 0.161+/-0.072 χ^2/NDF:35.9/17

Right Out: 0.440+/-0.070 χ^2/NDF: 18.5/17

Left In: -0.036+/-0.070 χ^2/NDF:15.7/17

Left: 0.060+/-0.050 χ^2/NDF: 55.4/35

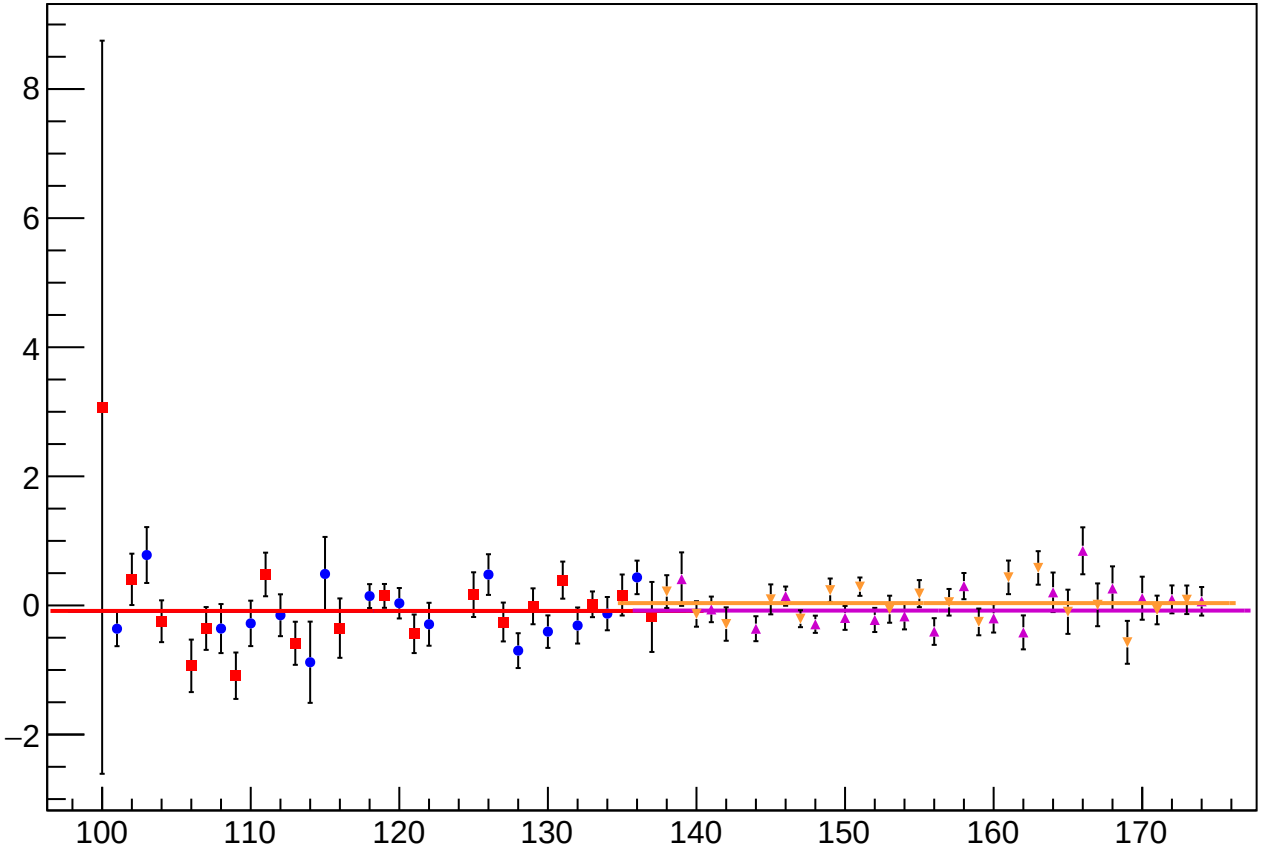
Right: 0.446+/-0.050 χ^2/NDF: 41.2/33

In: 0.205+/-0.050 χ^2/NDF:62.1/33

Out: 0.306+/-0.050 χ^2/NDF:62.2/35

All: 0.255+/-0.035 χ^2/NDF: 126.2/69

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.086+/-0.073 χ^2/NDF: 25.4/15

Left Out: 0.036+/-0.050 χ^2/NDF:23.9/17

Right Out: -0.085+/-0.074 χ^2/NDF: 27.9/17

Left In: -0.080+/-0.050 χ^2/NDF:27.1/17

Left: -0.022+/-0.035 χ^2/NDF: 53.7/35

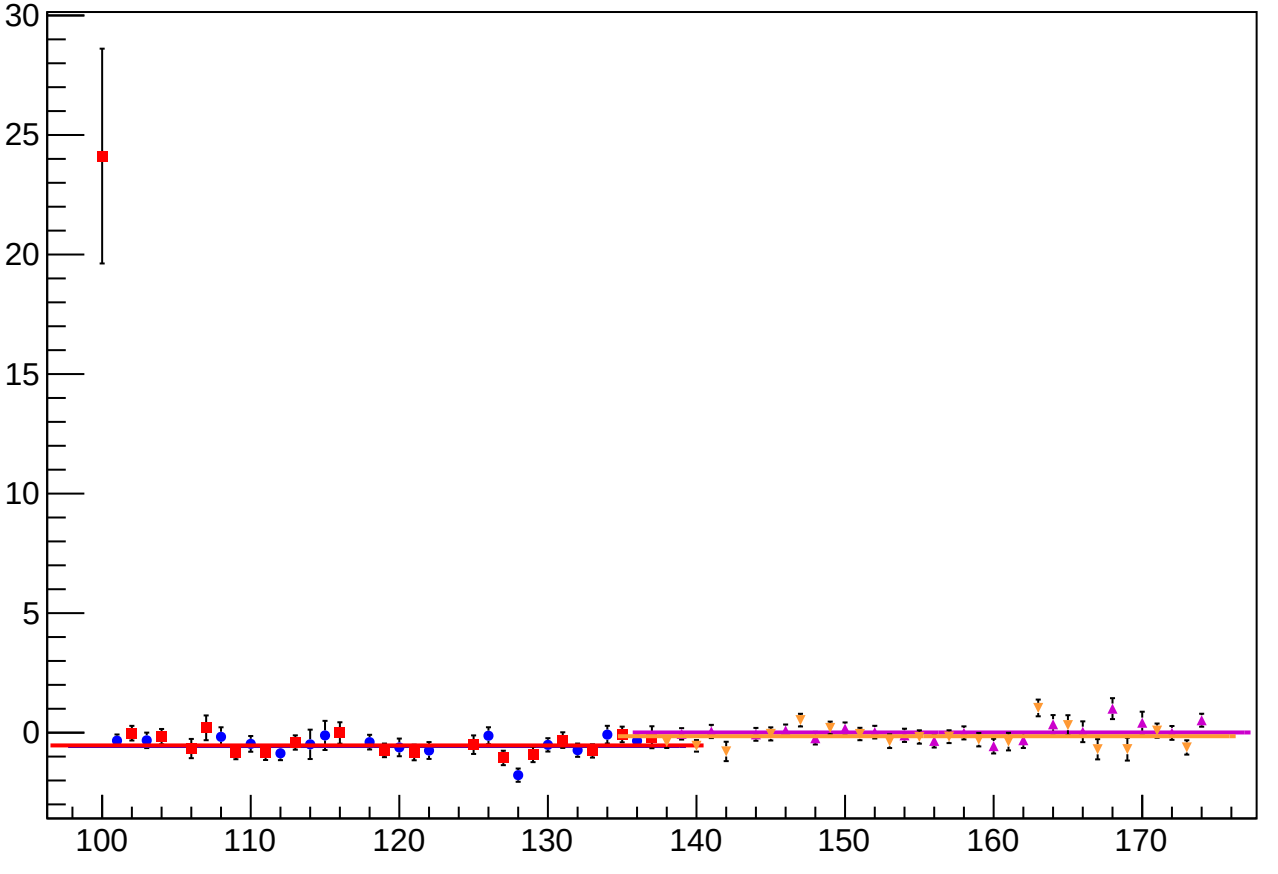
Right: -0.086+/-0.052 χ^2/NDF: 53.3/33

In: -0.082+/-0.041 χ^2/NDF:52.5/33

Out: -0.002+/-0.041 χ^2/NDF:53.6/35

All: -0.042+/-0.029 χ^2/NDF: 108.0/69

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: -0.148+/-0.071 χ^2/NDF:34.4/17

Right Out: -0.534+/-0.081 χ^2/NDF: 49.2/17

Left In: 0.009+/-0.069 χ^2/NDF:18.0/17

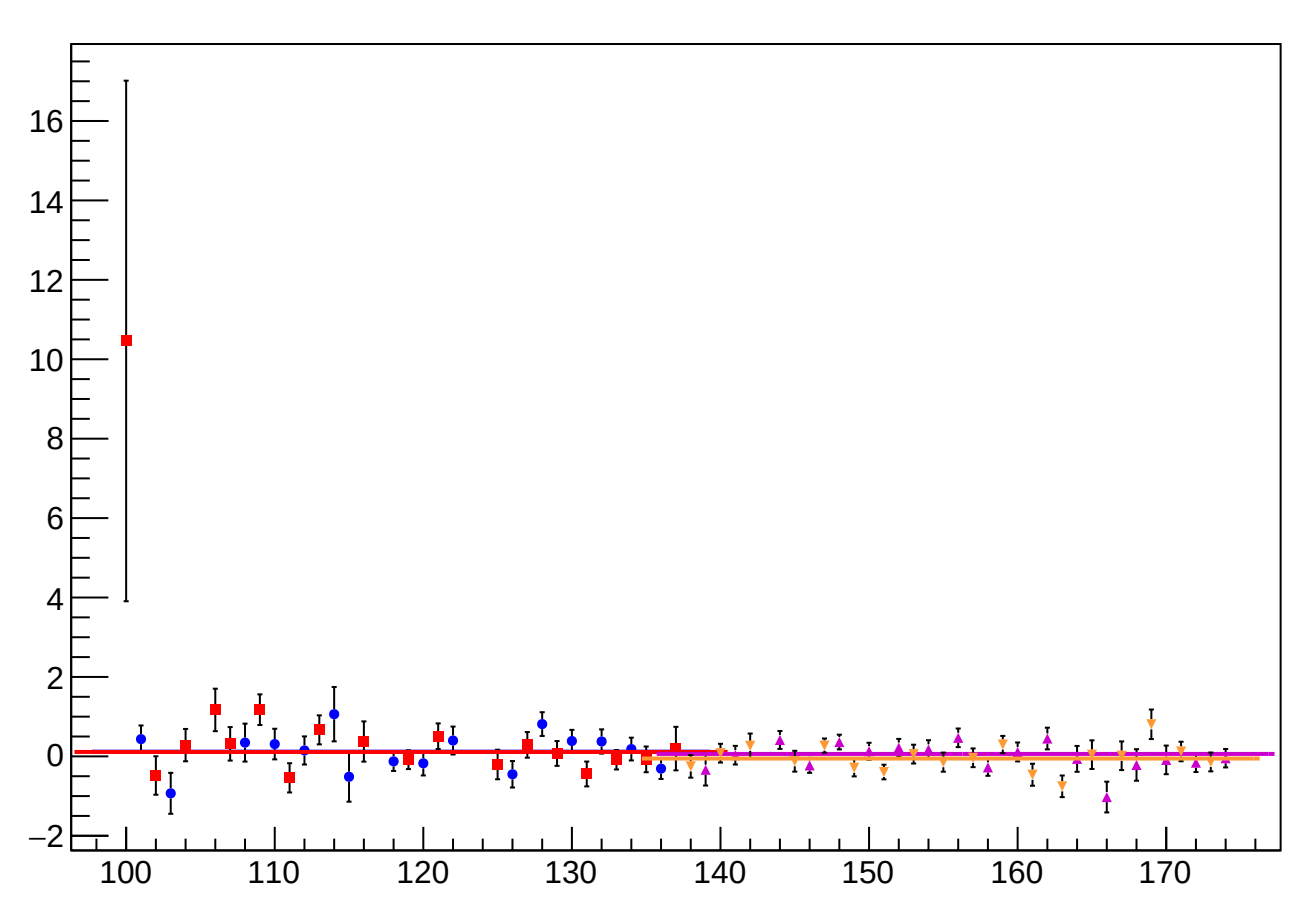
Left: -0.068+/-0.049 χ^2/NDF: 55.0/35

Right: -0.546+/-0.057 χ^2/NDF: 77.6/33

In: -0.234+/-0.052 χ^2/NDF:75.3/33

Out: -0.316+/-0.053 χ^2/NDF:96.6/35

All: -0.274+/-0.037 χ^2/NDF: 173.1/69



Right In: 0.118+/-0.084 χ^2/NDF: 23.6/15

Left Out: -0.054+/-0.058 χ^2/NDF:27.7/17

Right Out: 0.111+/-0.085 χ^2/NDF: 29.0/17

Left In: 0.061+/-0.058 χ^2/NDF:26.6/17

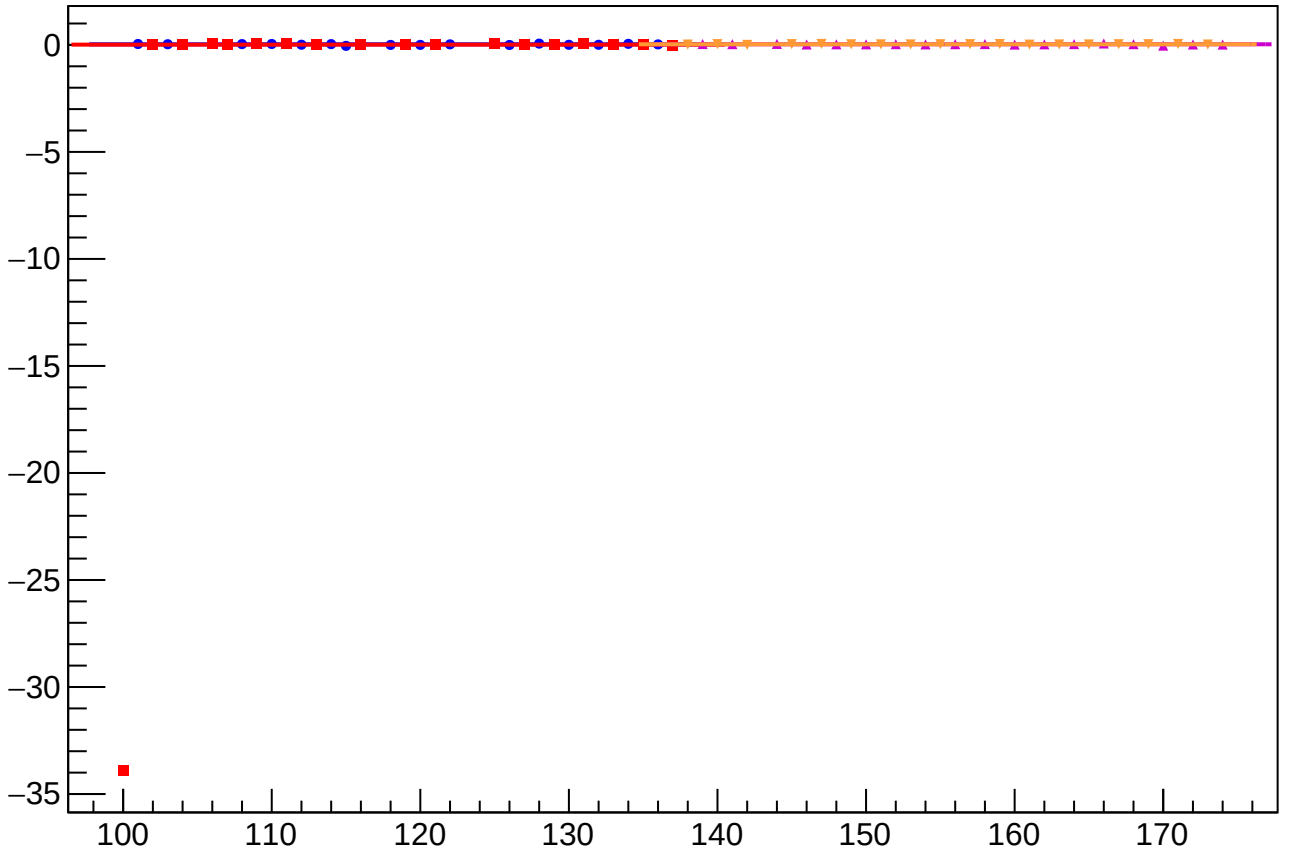
Left: 0.004+/-0.041 χ^2/NDF: 56.2/35

Right: 0.115+/-0.060 χ^2/NDF: 52.6/33

In: 0.079+/-0.048 χ^2/NDF:50.5/33

Out: -0.001+/-0.048 χ^2/NDF:59.2/35

All: 0.039+/-0.034 χ^2/NDF: 111.2/69



Right In: 0.027+/-0.005 χ^2/NDF: 14.7/15

Left Out: 0.028+/-0.003 χ^2/NDF:14.7/17

Right Out: 0.012+/-0.005 χ^2/NDF: 22262.0/17

Left In: 0.029+/-0.003 χ^2/NDF:32.6/17

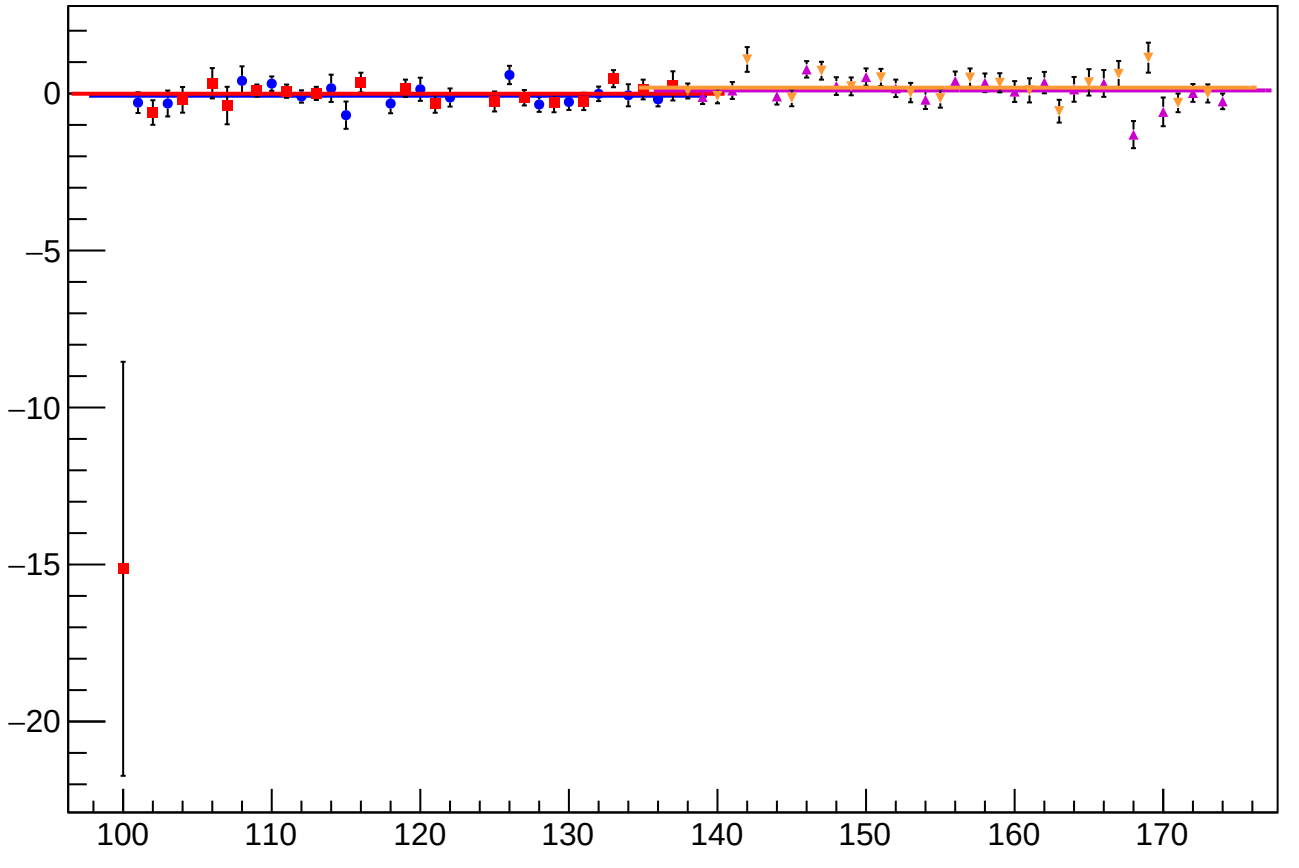
Left: 0.029+/-0.002 χ^2/NDF: 47.4/35

Right: 0.020+/-0.003 χ^2/NDF: 22281.9/33

In: 0.029+/-0.002 χ^2/NDF:47.4/33

Out: 0.025+/-0.002 χ^2/NDF:22285.7/35

All: 0.027+/-0.002 χ^2/NDF: 22334.9/69



Right In: -0.070+/-0.071 χ^2/NDF: 15.5/15

Left Out: 0.187+/-0.072 χ^2/NDF:28.8/17

Right Out: -0.007+/-0.070 χ^2/NDF: 18.1/17

Left In: 0.098+/-0.070 χ^2/NDF:28.9/17

Left: 0.141+/-0.050 χ^2/NDF: 58.5/35

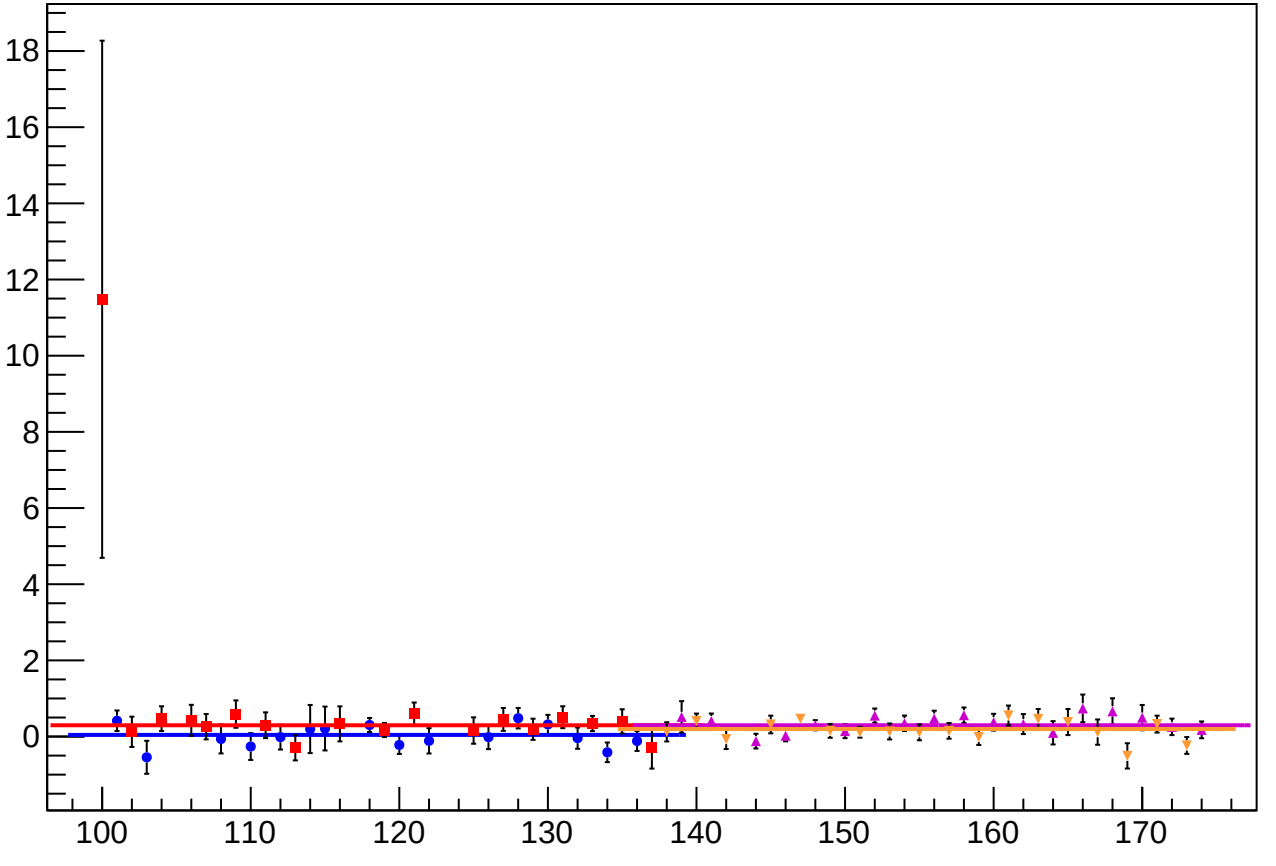
Right: -0.038+/-0.050 χ^2/NDF: 34.1/33

In: 0.015+/-0.050 χ^2/NDF:47.2/33

Out: 0.086+/-0.050 χ^2/NDF:50.7/35

All: 0.051+/-0.035 χ^2/NDF: 98.9/69

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: 0.199+/-0.050 χ^2/NDF:20.5/17

Right Out: 0.296+/-0.074 χ^2/NDF: 11.0/17

Left In: 0.297+/-0.050 χ^2/NDF:17.5/17

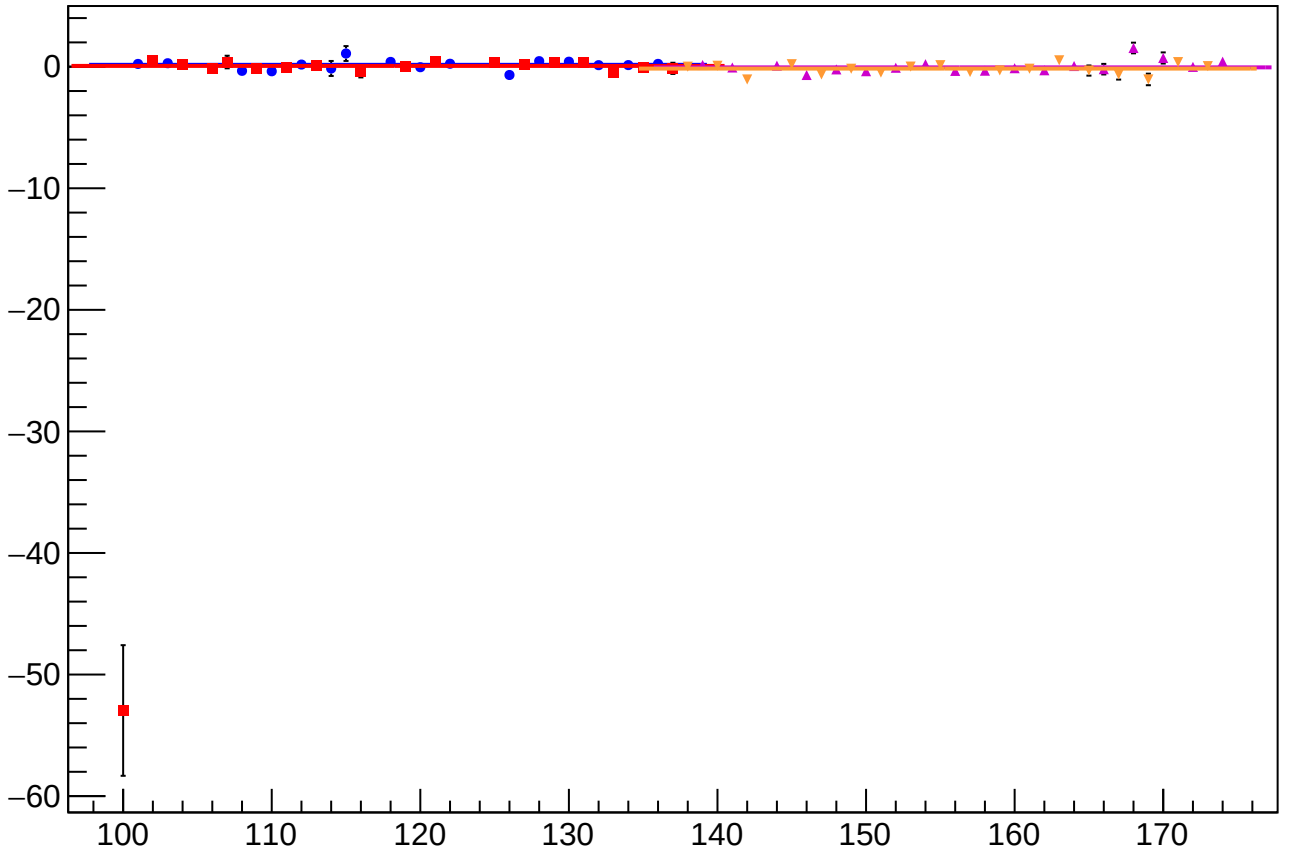
Left: 0.248+/-0.035 χ^2/NDF: 39.9/35

Right: 0.169+/-0.052 χ^2/NDF: 32.6/33

In: 0.216+/-0.041 χ^2/NDF:41.4/33

Out: 0.230+/-0.041 χ^2/NDF:32.6/35

All: 0.223+/-0.029 χ^2/NDF: 74.1/69



Right In: 0.154+/-0.080 χ^2/NDF: 15.6/15

Left Out: -0.155+/-0.071 χ^2/NDF:27.9/17

Right Out: 0.065+/-0.081 χ^2/NDF: 109.3/17

Left In: -0.055+/-0.069 χ^2/NDF:31.9/17

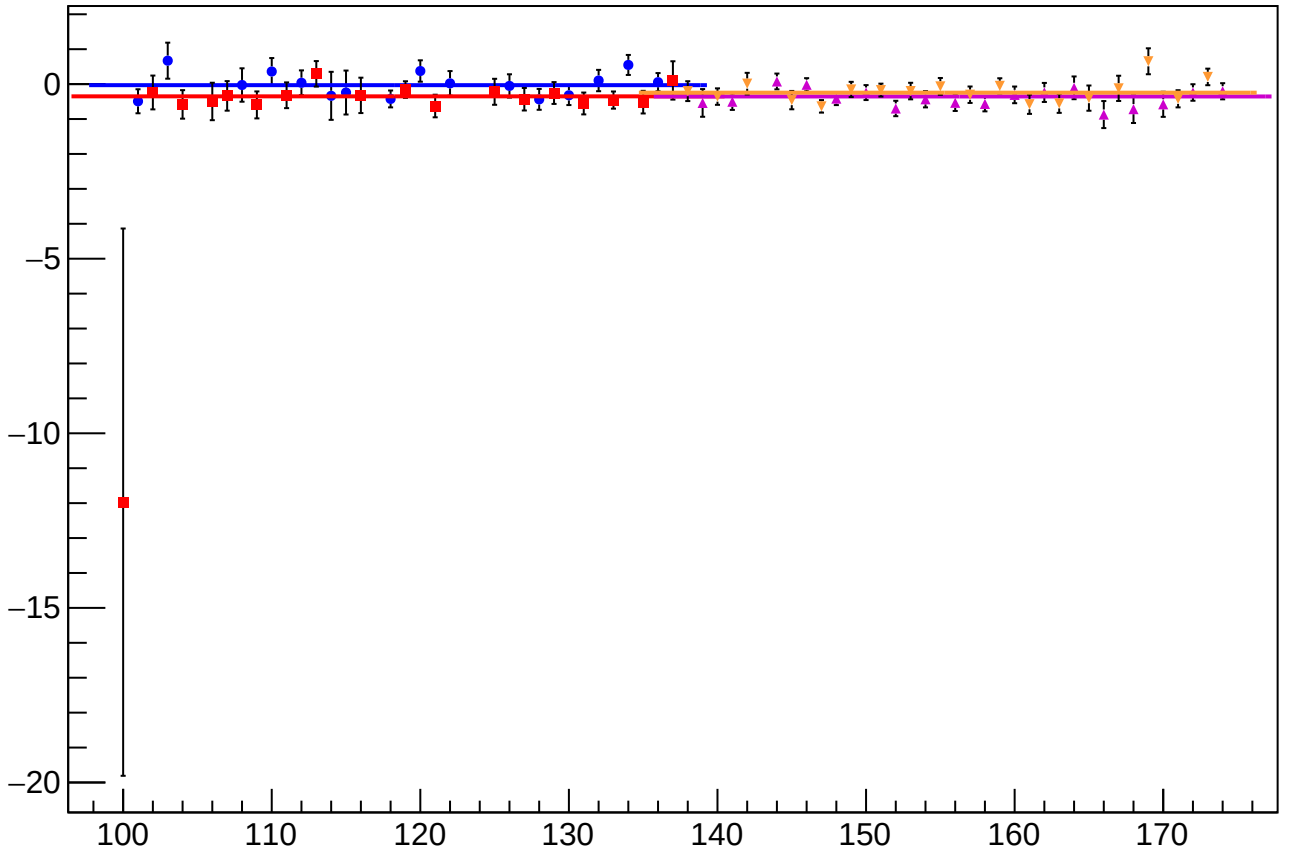
Left: -0.104+/-0.049 χ^2/NDF: 60.9/35

Right: 0.110+/-0.057 χ^2/NDF: 125.5/33

In: 0.034+/-0.052 χ^2/NDF:51.4/33

Out: -0.059+/-0.053 χ^2/NDF:141.5/35

All: -0.012+/-0.037 χ^2/NDF: 194.5/69



Right In: -0.030+/-0.084 χ^2/NDF: 16.8/15

Left Out: -0.245+/-0.058 χ^2/NDF:21.2/17

Right Out: -0.350+/-0.085 χ^2/NDF: 9.4/17

Left In: -0.354+/-0.058 χ^2/NDF:16.4/17

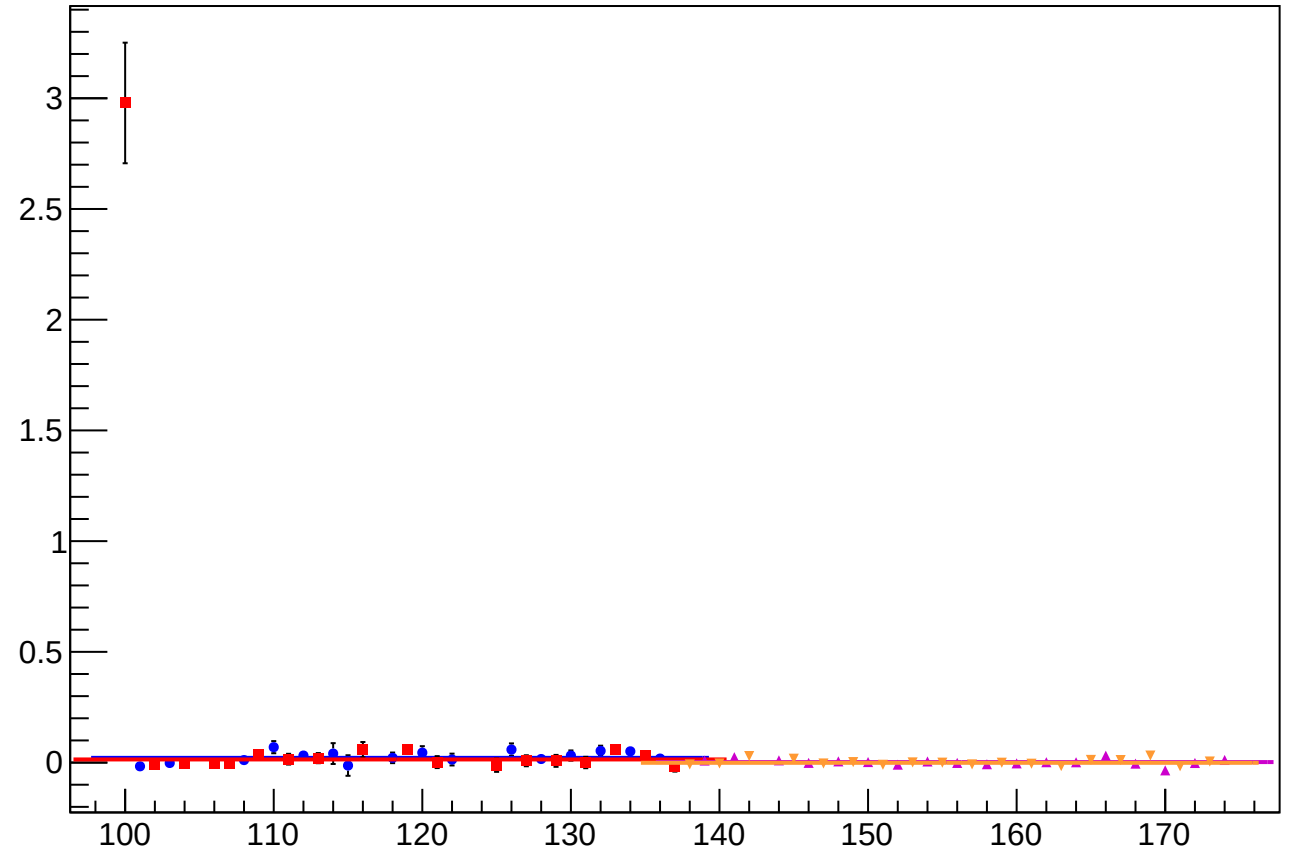
Left: -0.300+/-0.041 χ^2/NDF: 39.3/35

Right: -0.188+/-0.060 χ^2/NDF: 33.4/33

In: -0.250+/-0.048 χ^2/NDF:43.3/33

Out: -0.279+/-0.048 χ^2/NDF:31.6/35

All: -0.264+/-0.034 χ^2/NDF: 75.1/69



Right In: 0.021+/-0.005 χ^2/NDF: 22.5/15

Left Out: -0.001+/-0.003 χ^2/NDF:17.9/17

Right Out: 0.014+/-0.005 χ^2/NDF: 140.9/17

Left In: 0.002+/-0.003 χ^2/NDF:17.9/17

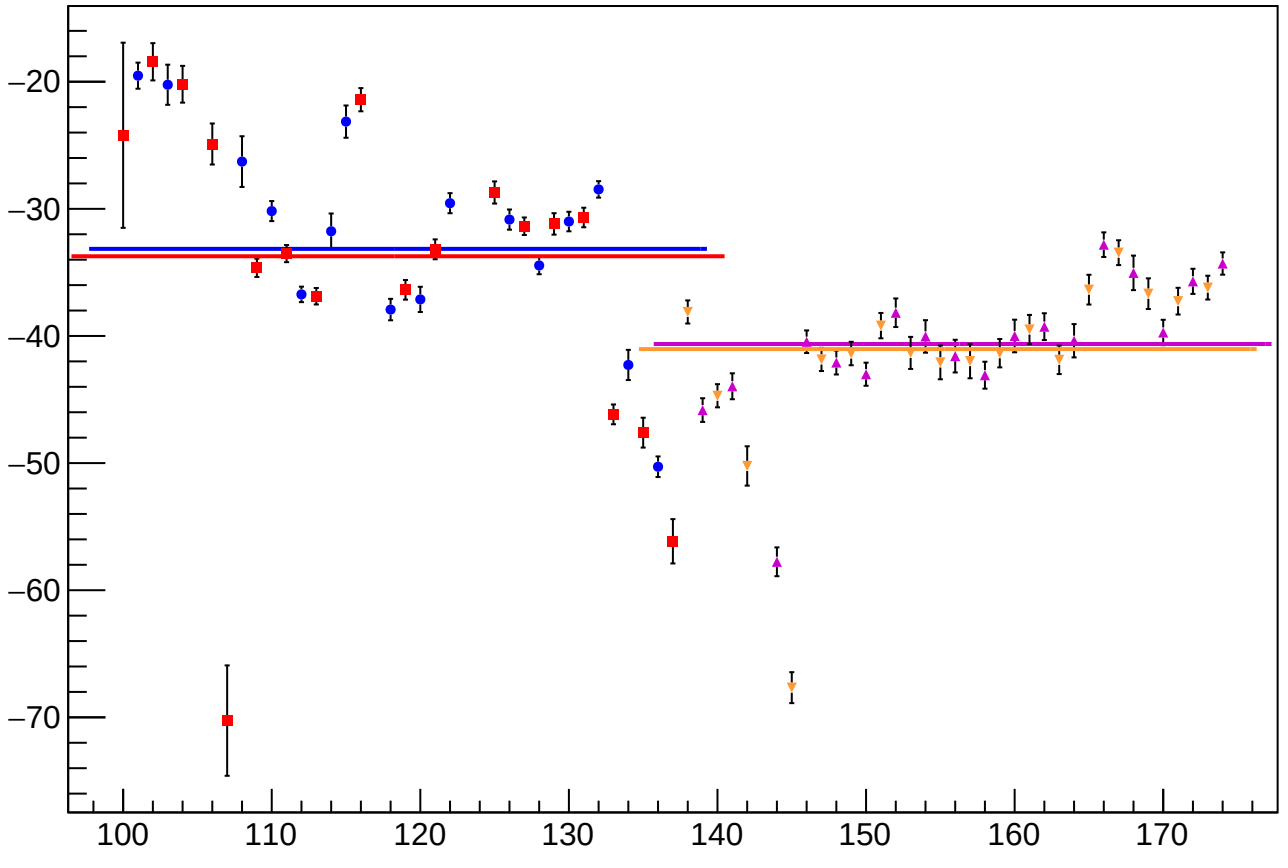
Left: 0.001+/-0.002 χ^2/NDF: 36.6/35

Right: 0.018+/-0.003 χ^2/NDF: 164.5/33

In: 0.006+/-0.002 χ^2/NDF:52.6/33

Out: 0.002+/-0.002 χ^2/NDF:166.1/35

All: 0.004+/-0.002 χ^2/NDF: 220.3/69



Right In: -33.148+/-0.218 χ^2/NDF: 1013.9/15

Left Out: -41.032+/-0.254 χ^2/NDF:677.1/17

Right Out: -33.730+/-0.215 χ^2/NDF: 1148.4/17

Left In: -40.631+/-0.247 χ^2/NDF:451.9/17

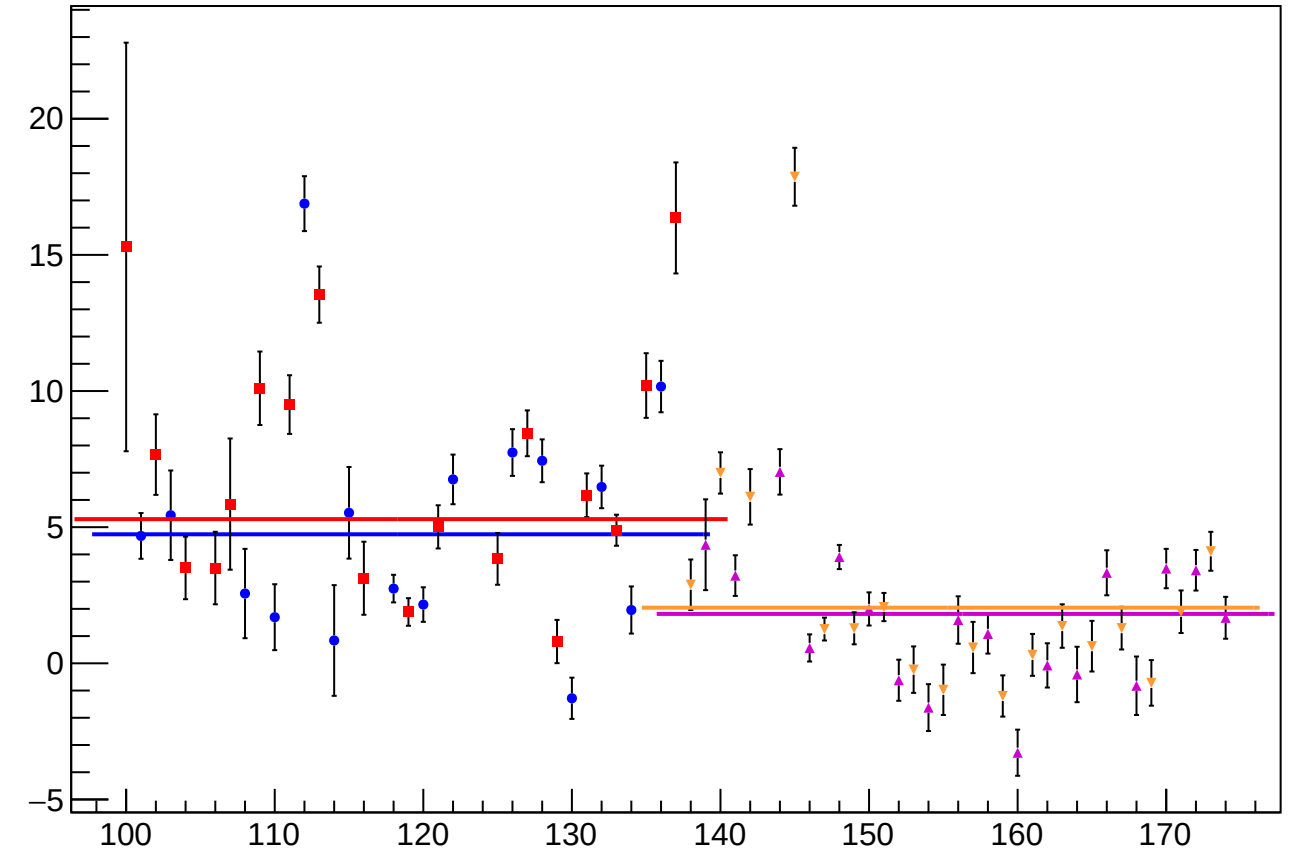
Left: -40.826+/-0.177 χ^2/NDF: 1130.3/35

Right: -33.443+/-0.153 χ^2/NDF: 2166.0/33

In: -36.427+/-0.163 χ^2/NDF:1982.4/33

Out: -36.775+/-0.164 χ^2/NDF:2307.1/35

All: -36.600+/-0.116 χ^2/NDF: 4291.8/69



Right In: 4.738+/-0.219 χ^2/NDF: 329.6/15

Left Out: 2.043+/-0.173 χ^2/NDF:352.6/17

Right Out: 5.295+/-0.223 χ^2/NDF: 245.0/17

Left In: 1.815+/-0.173 χ^2/NDF:166.6/17

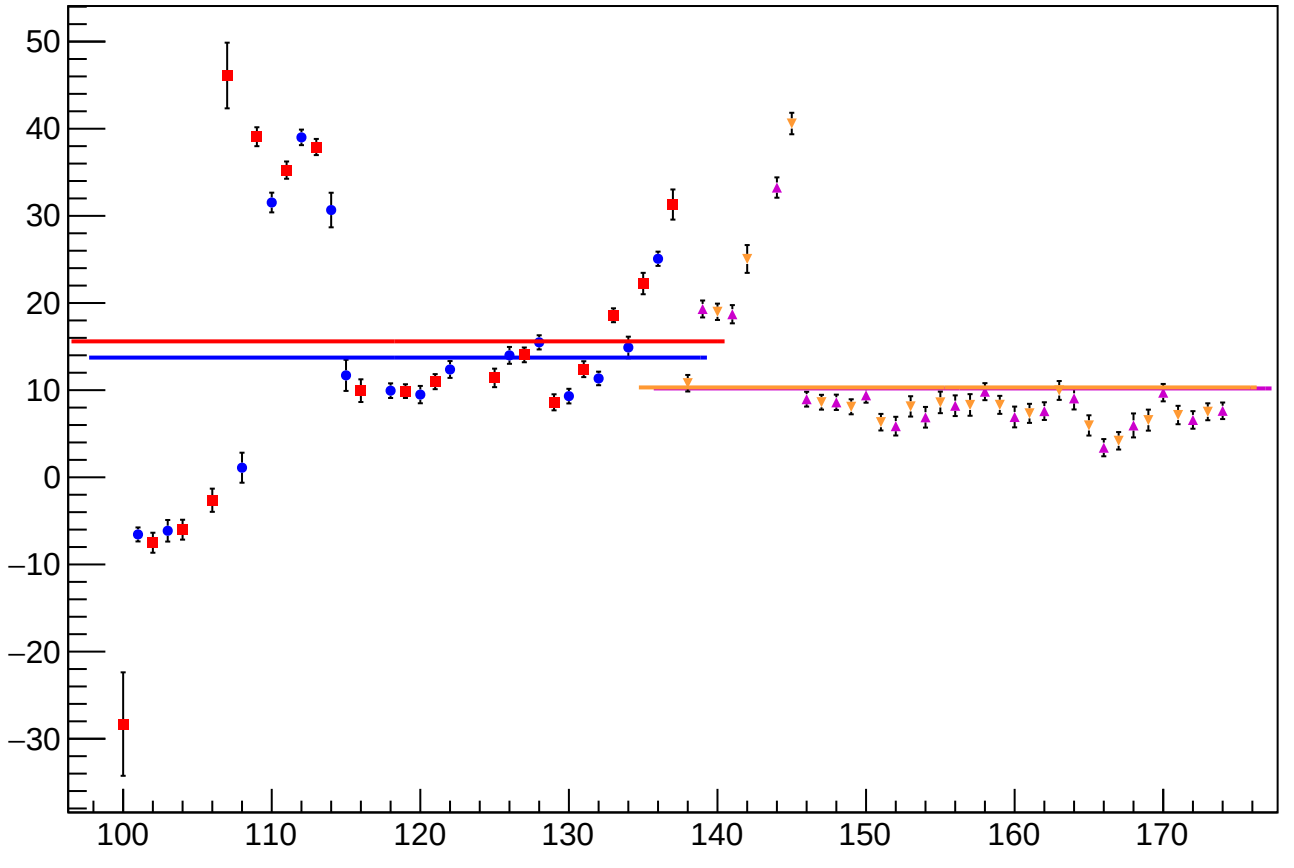
Left: 1.929+/-0.122 χ^2/NDF: 520.1/35

Right: 5.012+/-0.156 χ^2/NDF: 577.8/33

In: 2.939+/-0.136 χ^2/NDF:605.7/33

Out: 3.260+/-0.137 χ^2/NDF:730.3/35

All: 3.099+/-0.096 χ^2/NDF: 1338.8/69



Right In: 13.738+/-0.247 χ^2/NDF: 2349.9/15

Left Out: 10.313+/-0.249 χ^2/NDF:901.1/17

Right Out: 15.599+/-0.250 χ^2/NDF: 2826.3/17

Left In: 10.197+/-0.242 χ^2/NDF:669.8/17

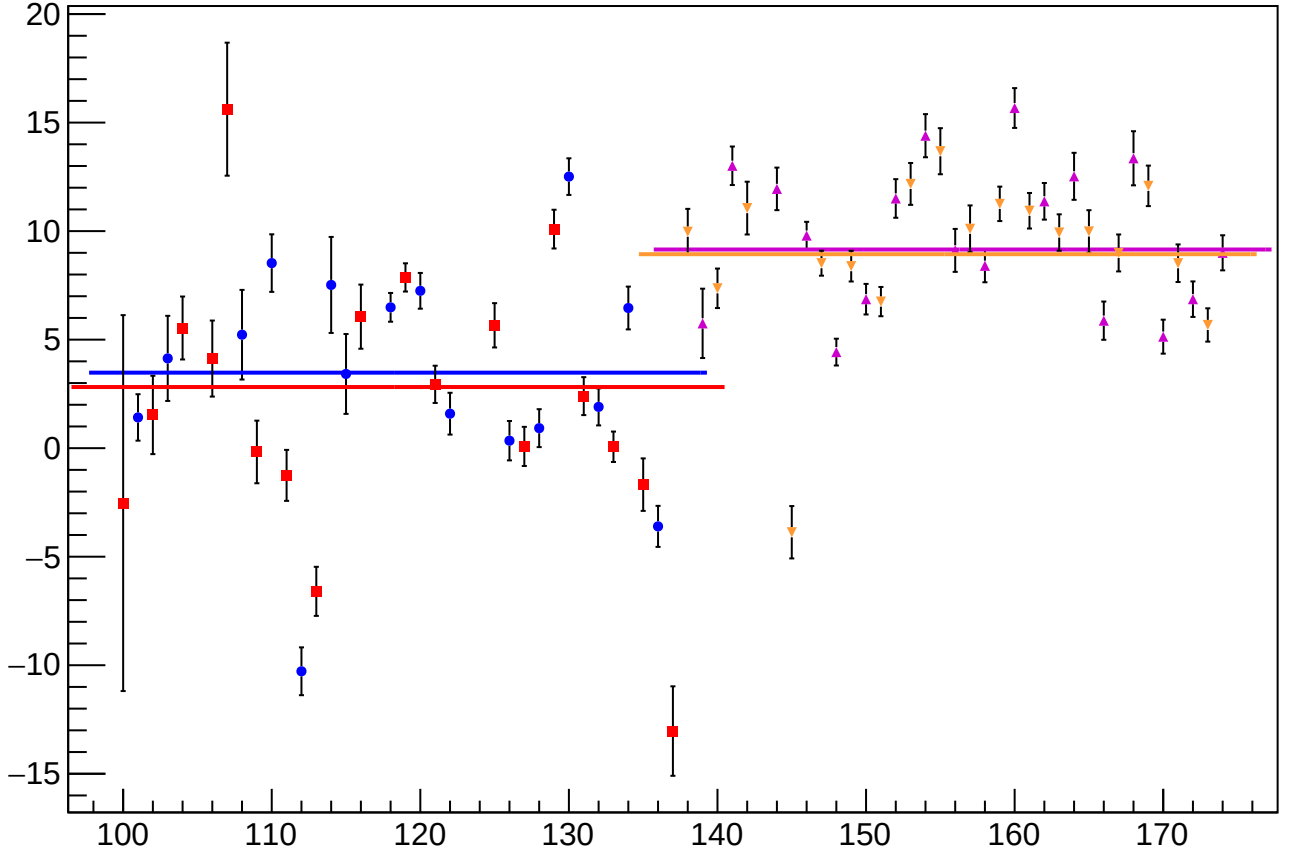
Left: 10.254+/-0.174 χ^2/NDF: 1571.0/35

Right: 14.656+/-0.176 χ^2/NDF: 5204.2/33

In: 11.935+/-0.173 χ^2/NDF:3124.5/33

Out: 12.941+/-0.176 χ^2/NDF:3952.1/35

All: 12.428+/-0.123 χ^2/NDF: 7093.2/69



Right In: 3.479+/-0.254 χ^2/NDF: 427.6/15

Left Out: 8.937+/-0.202 χ^2/NDF:210.6/17

Right Out: 2.817+/-0.257 χ^2/NDF: 345.3/17

Left In: 9.153+/-0.200 χ^2/NDF:264.1/17

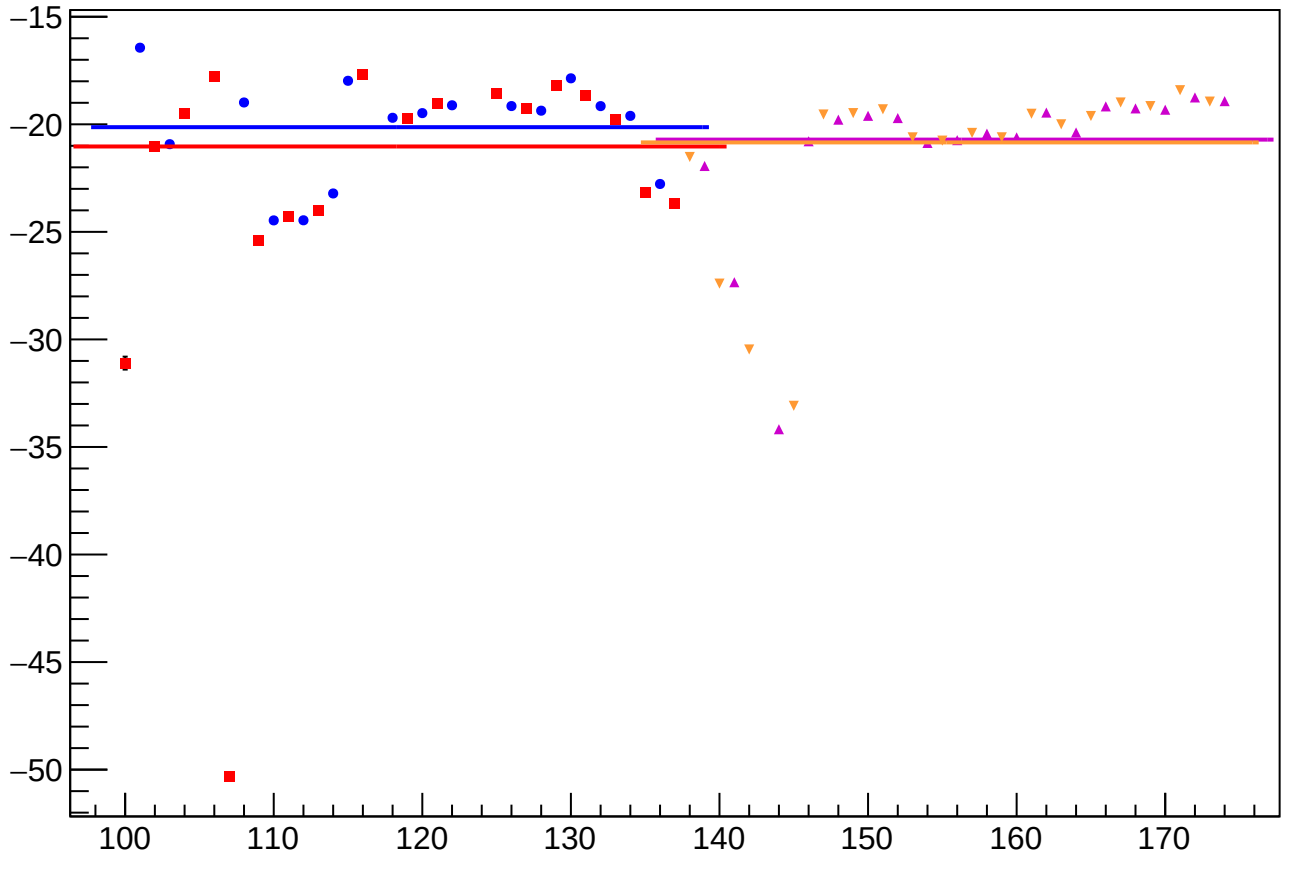
Left: 9.045+/-0.142 χ^2/NDF: 475.2/35

Right: 3.153+/-0.181 χ^2/NDF: 776.3/33

In: 6.972+/-0.157 χ^2/NDF:999.6/33

Out: 6.609+/-0.159 χ^2/NDF:906.5/35

All: 6.792+/-0.112 χ^2/NDF: 1908.8/69



Right In: -20.133+/-0.016 χ^2/NDF: 19831.2/15

Left Out: -20.841+/-0.009 χ^2/NDF:128892.7/17

Right Out: -21.031+/-0.016 χ^2/NDF: 57523.6/17

Left In: -20.712+/-0.009 χ^2/NDF:104959.9/17

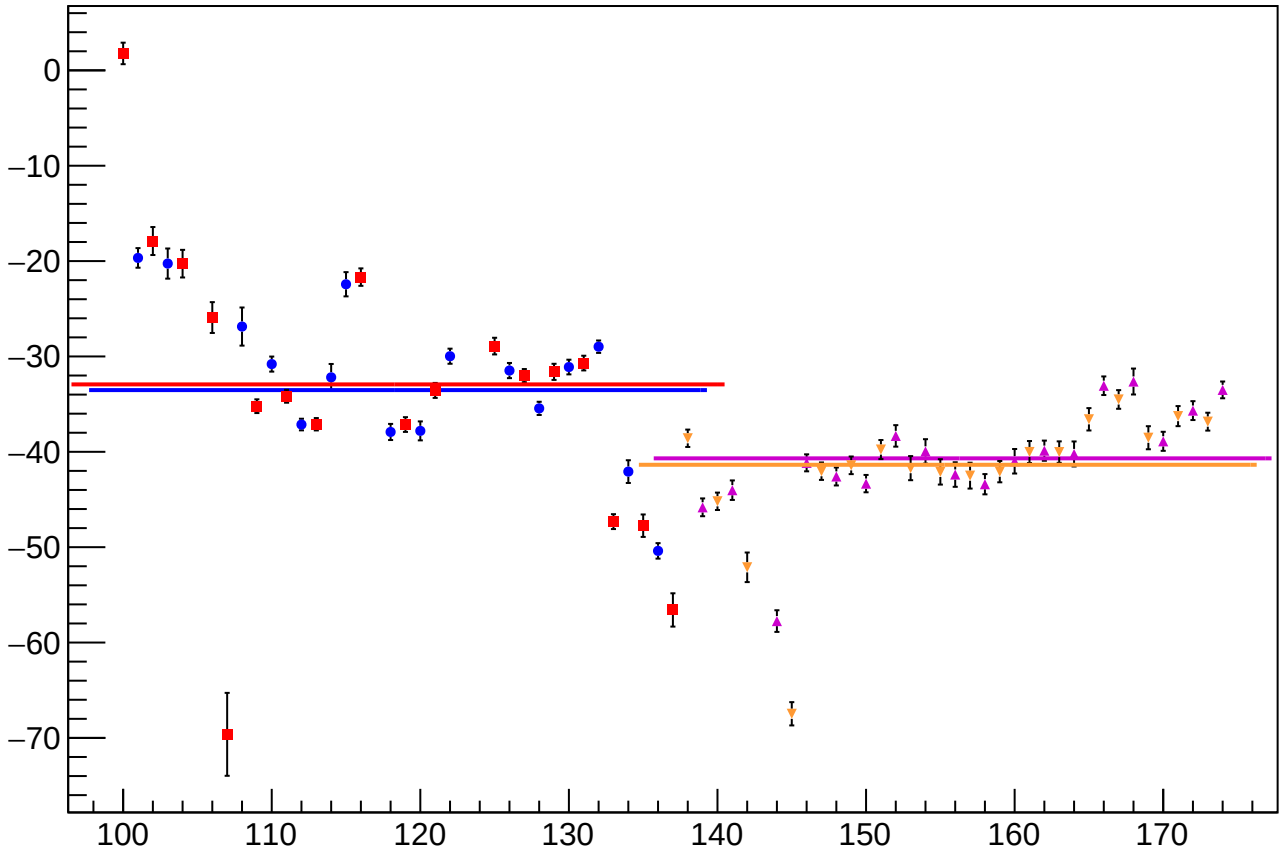
Left: -20.774+/-0.006 χ^2/NDF: 233952.5/35

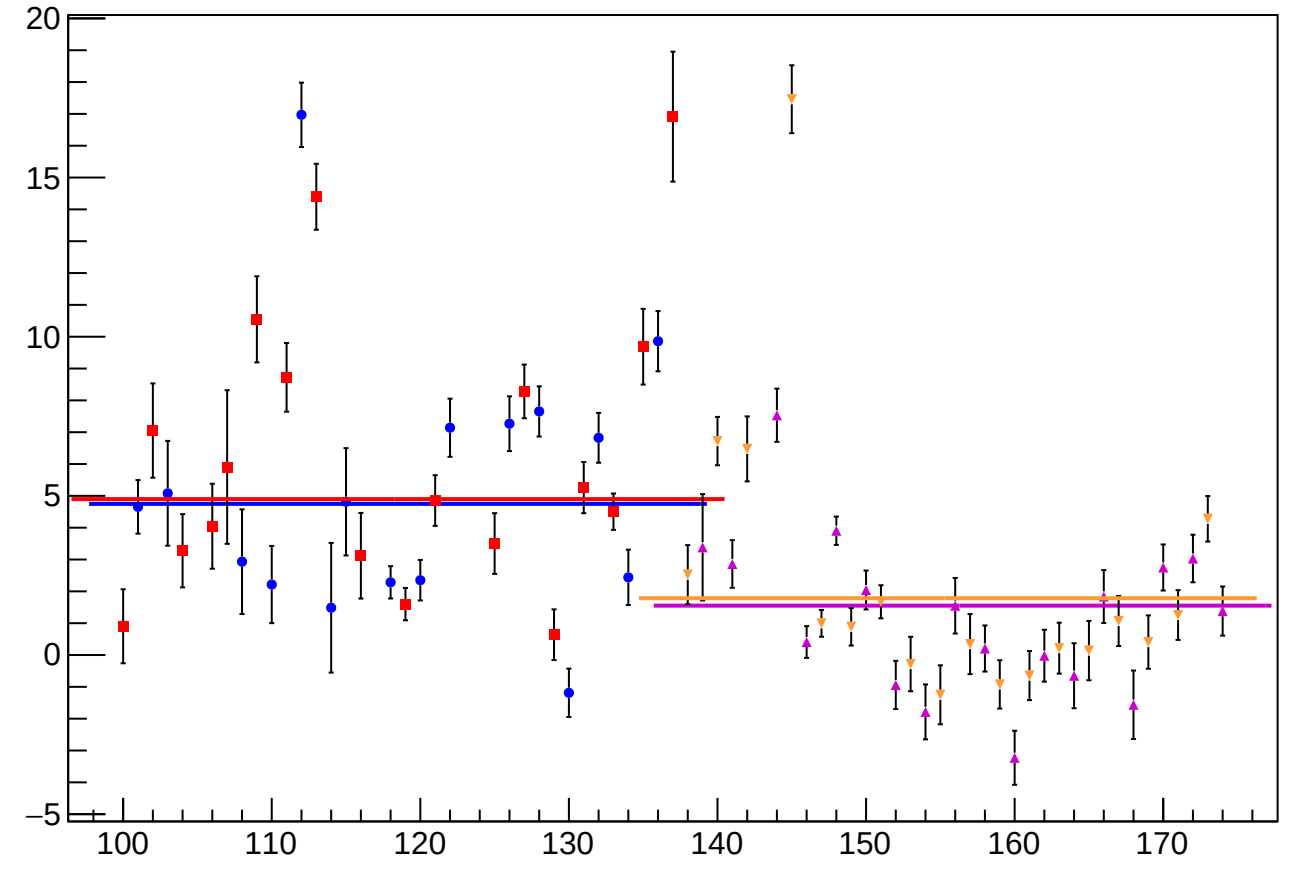
Right: -20.570+/-0.011 χ^2/NDF: 78882.9/33

In: -20.572+/-0.008 χ^2/NDF:125782.7/33

Out: -20.887+/-0.008 χ^2/NDF:186516.6/35

All: -20.725+/-0.006 χ^2/NDF: 313076.3/69


reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -33.528+/-0.218 χ²/NDF: 1008.7/15
Left Out: -41.359+/-0.255 χ²/NDF:658.1/17
Right Out: -32.931+/-0.212 χ²/NDF: 2170.0/17
Left In: -40.686+/-0.247 χ²/NDF:484.9/17
Left: -41.013+/-0.177 χ²/NDF: 1146.6/35
Right: -33.220+/-0.152 χ²/NDF: 3182.6/33
In: -36.666+/-0.164 χ²/NDF:1964.2/33
Out: -36.375+/-0.163 χ²/NDF:3476.6/35
All: -36.520+/-0.115 χ²/NDF: 5442.4/69



Right In: 4.748+/-0.220 χ^2/NDF: 325.7/15

Left Out: 1.784+/-0.173 χ^2/NDF:350.6/17

Right Out: 4.898+/-0.220 χ^2/NDF: 273.1/17

Left In: 1.552+/-0.174 χ^2/NDF:173.9/17

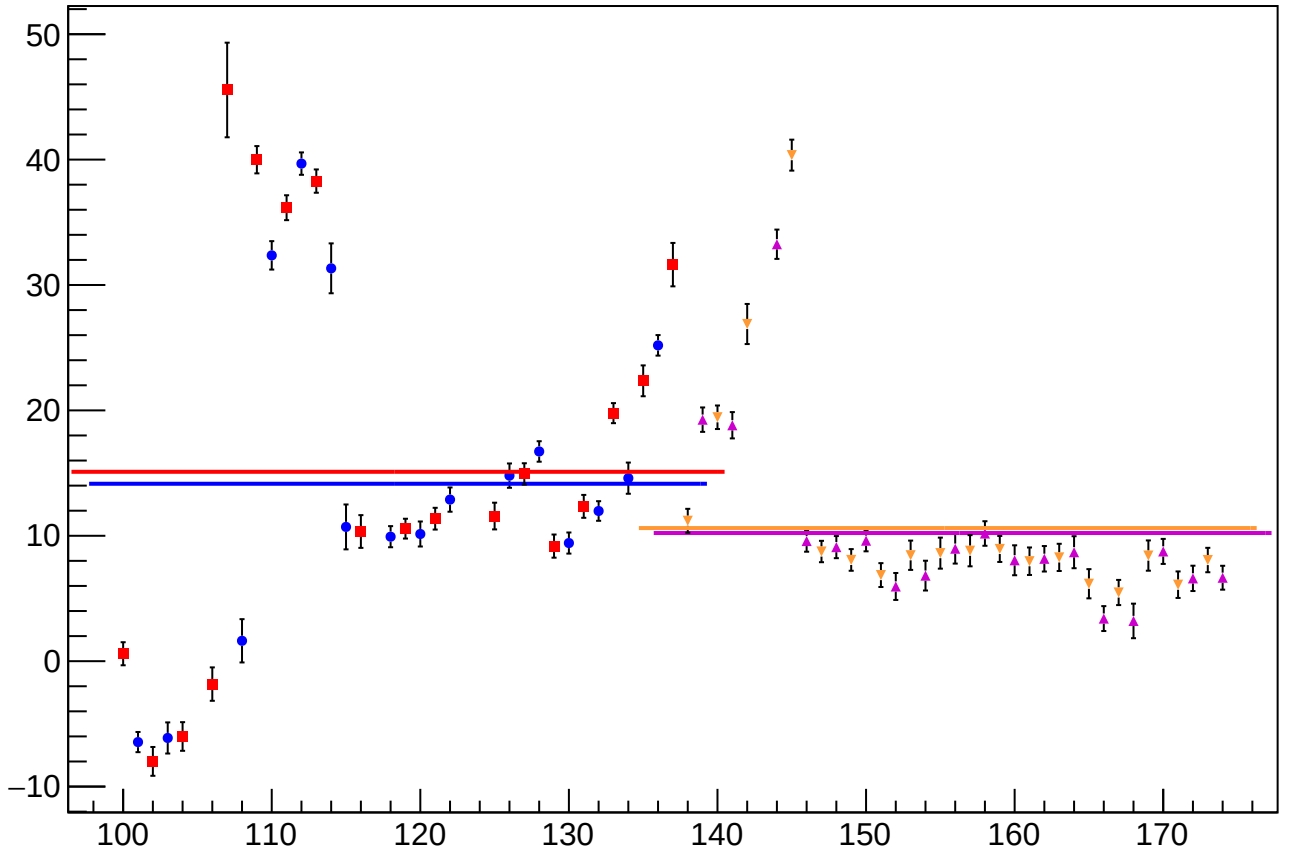
Left: 1.668+/-0.123 χ^2/NDF: 525.4/35

Right: 4.823+/-0.155 χ^2/NDF: 599.0/33

In: 2.780+/-0.136 χ^2/NDF:630.0/33

Out: 2.975+/-0.136 χ^2/NDF:747.5/35

All: 2.878+/-0.096 χ^2/NDF: 1378.5/69



Right In: 14.149+/-0.247 χ^2/NDF: 2402.4/15

Left Out: 10.616+/-0.249 χ^2/NDF:891.8/17

Right Out: 15.103+/-0.242 χ^2/NDF: 3102.3/17

Left In: 10.220+/-0.243 χ^2/NDF:680.2/17

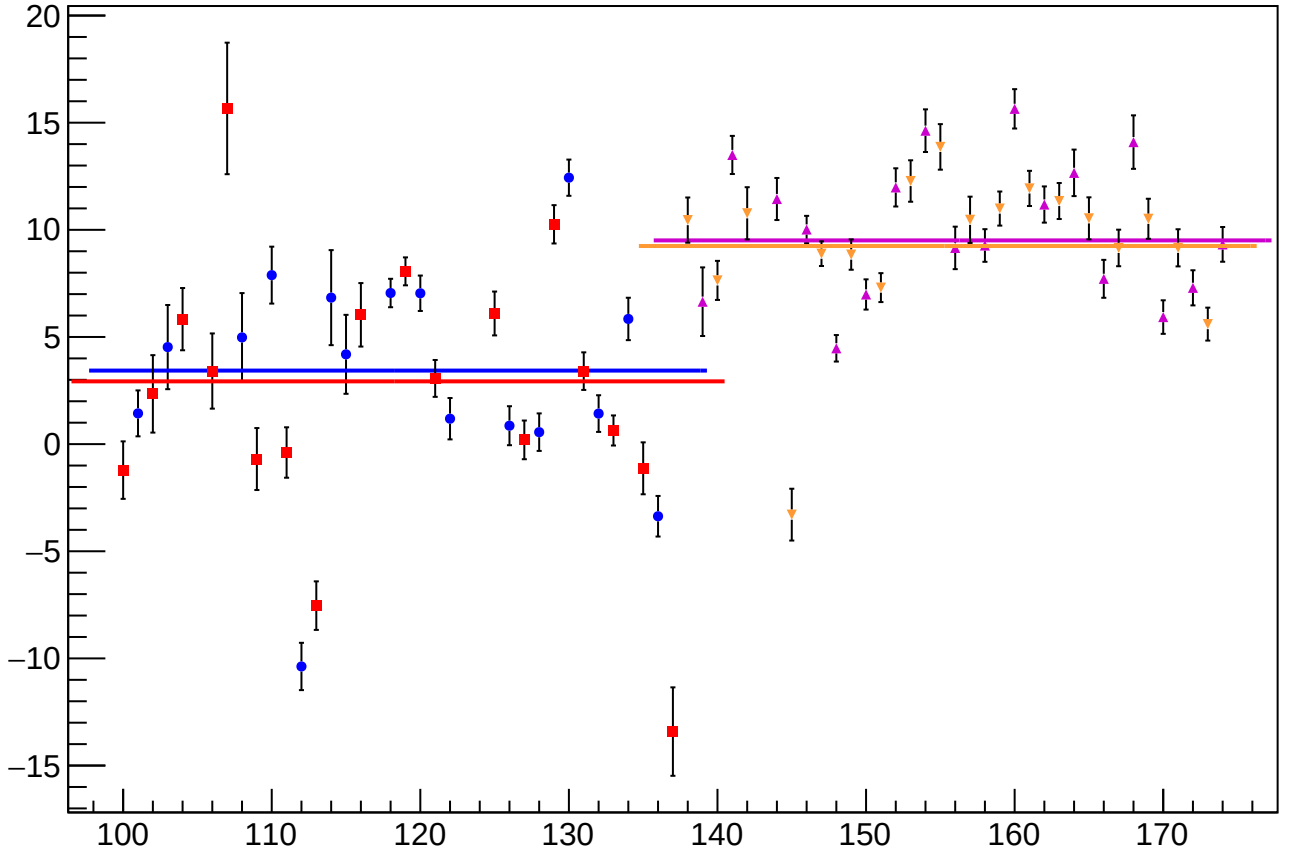
Left: 10.413+/-0.174 χ^2/NDF: 1573.3/35

Right: 14.636+/-0.173 χ^2/NDF: 5512.3/33

In: 12.148+/-0.173 χ^2/NDF:3211.1/33

Out: 12.924+/-0.174 χ^2/NDF:4161.1/35

All: 12.536+/-0.123 χ^2/NDF: 7382.2/69



Right In: 3.432+/-0.254 χ^2/NDF: 424.0/15

Left Out: 9.244+/-0.202 χ^2/NDF:200.4/17

Right Out: 2.929+/-0.253 χ^2/NDF: 367.7/17

Left In: 9.507+/-0.201 χ^2/NDF:244.1/17

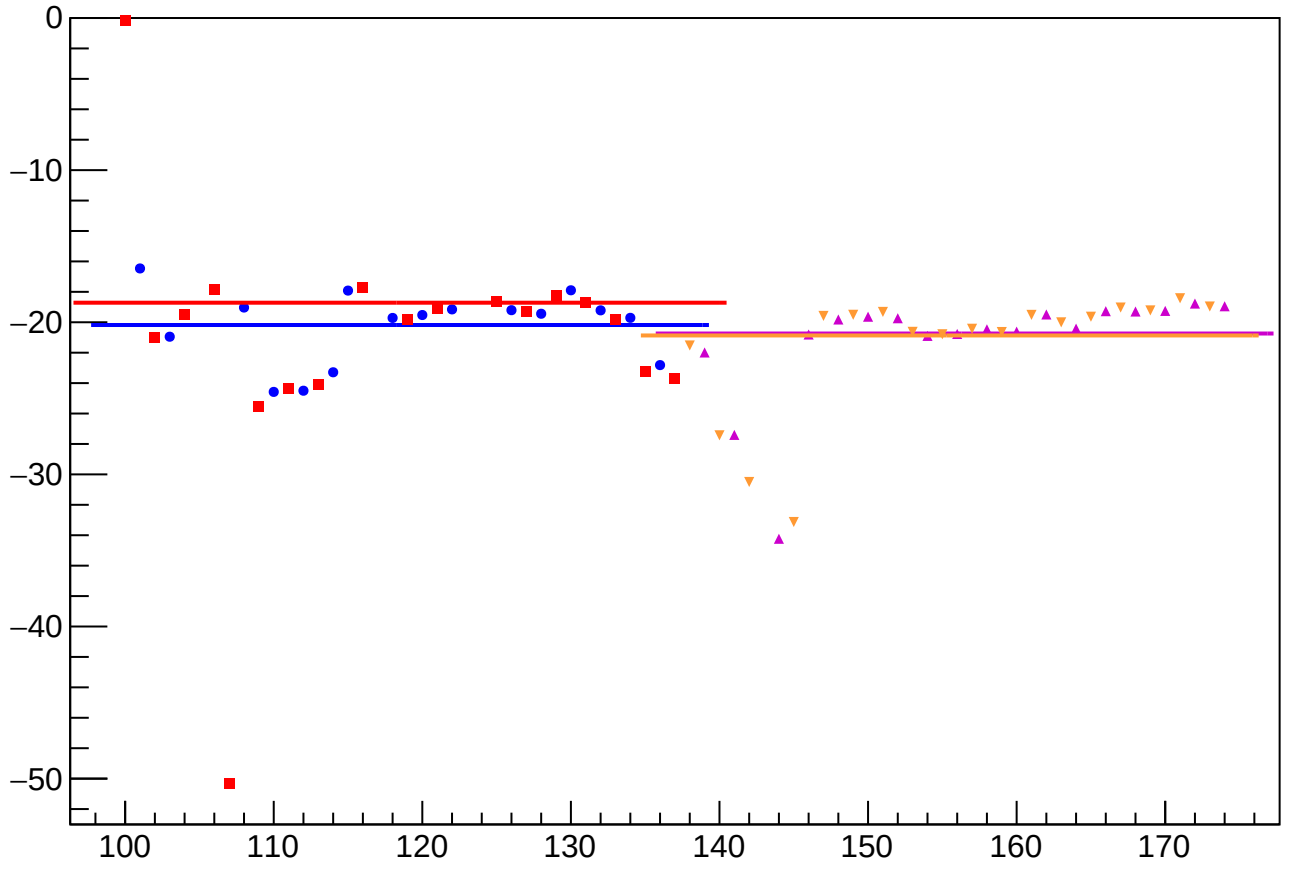
Left: 9.376+/-0.142 χ^2/NDF: 445.3/35

Right: 3.179+/-0.179 χ^2/NDF: 793.7/33

In: 7.172+/-0.158 χ^2/NDF:1019.7/33

Out: 6.791+/-0.158 χ^2/NDF:948.2/35

All: 6.982+/-0.112 χ^2/NDF: 1970.8/69



Right In: -20.180+/-0.016 χ^2/NDF: 19856.9/15

Left Out: -20.867+/-0.009 χ^2/NDF:128606.2/17

Right Out: -18.714+/-0.016 χ^2/NDF: 234667.0/17

Left In: -20.740+/-0.009 χ^2/NDF:105250.1/17

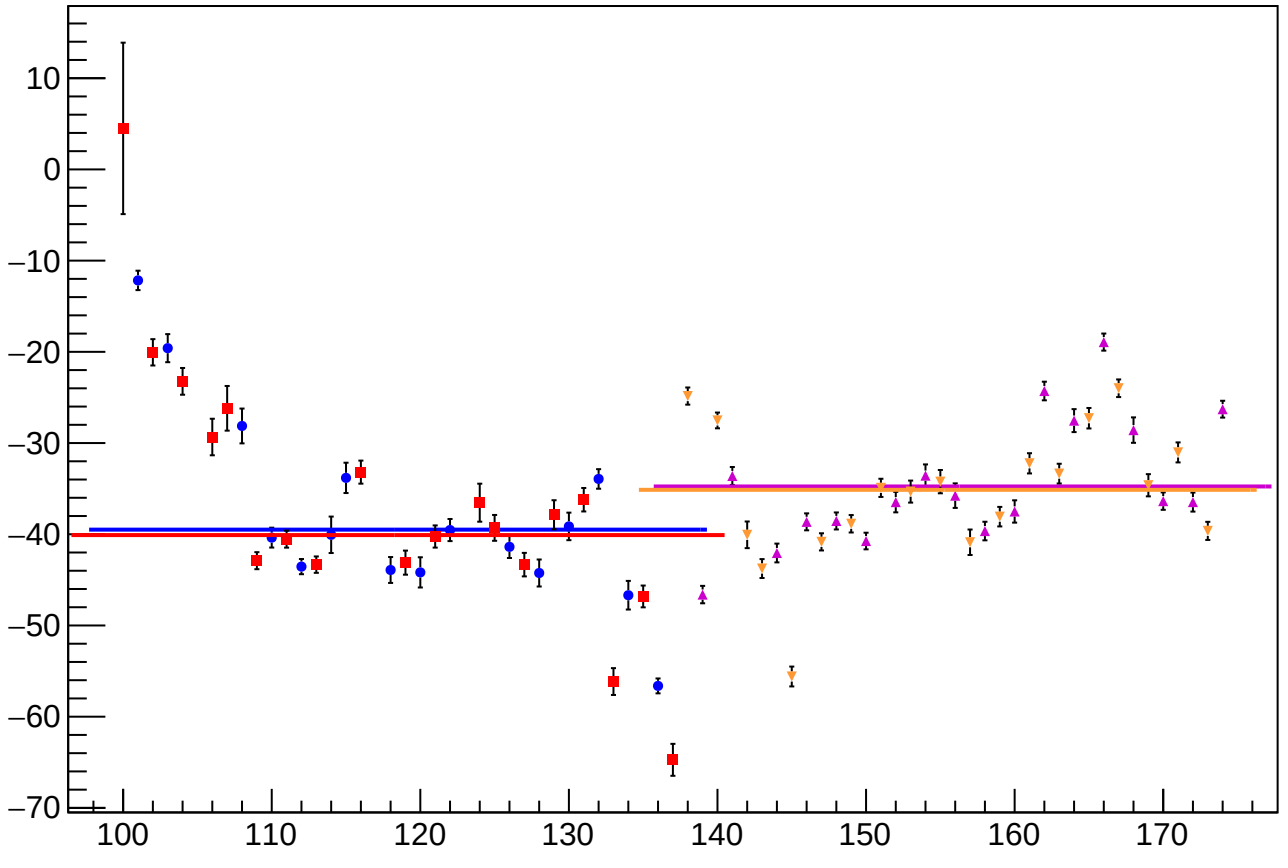
Left: -20.802+/-0.006 χ^2/NDF: 233952.3/35

Right: -19.425+/-0.011 χ^2/NDF: 258824.1/33

In: -20.606+/-0.008 χ^2/NDF:126030.9/33

Out: -20.298+/-0.008 χ^2/NDF:377345.9/35

All: -20.454+/-0.006 χ^2/NDF: 504129.6/69



Right In: -39.493+/-0.311 χ^2/NDF: 1417.1/15

Left Out: -35.129+/-0.245 χ^2/NDF:933.8/18

Right Out: -40.090+/-0.307 χ^2/NDF: 834.9/18

Left In: -34.760+/-0.245 χ^2/NDF:847.1/17

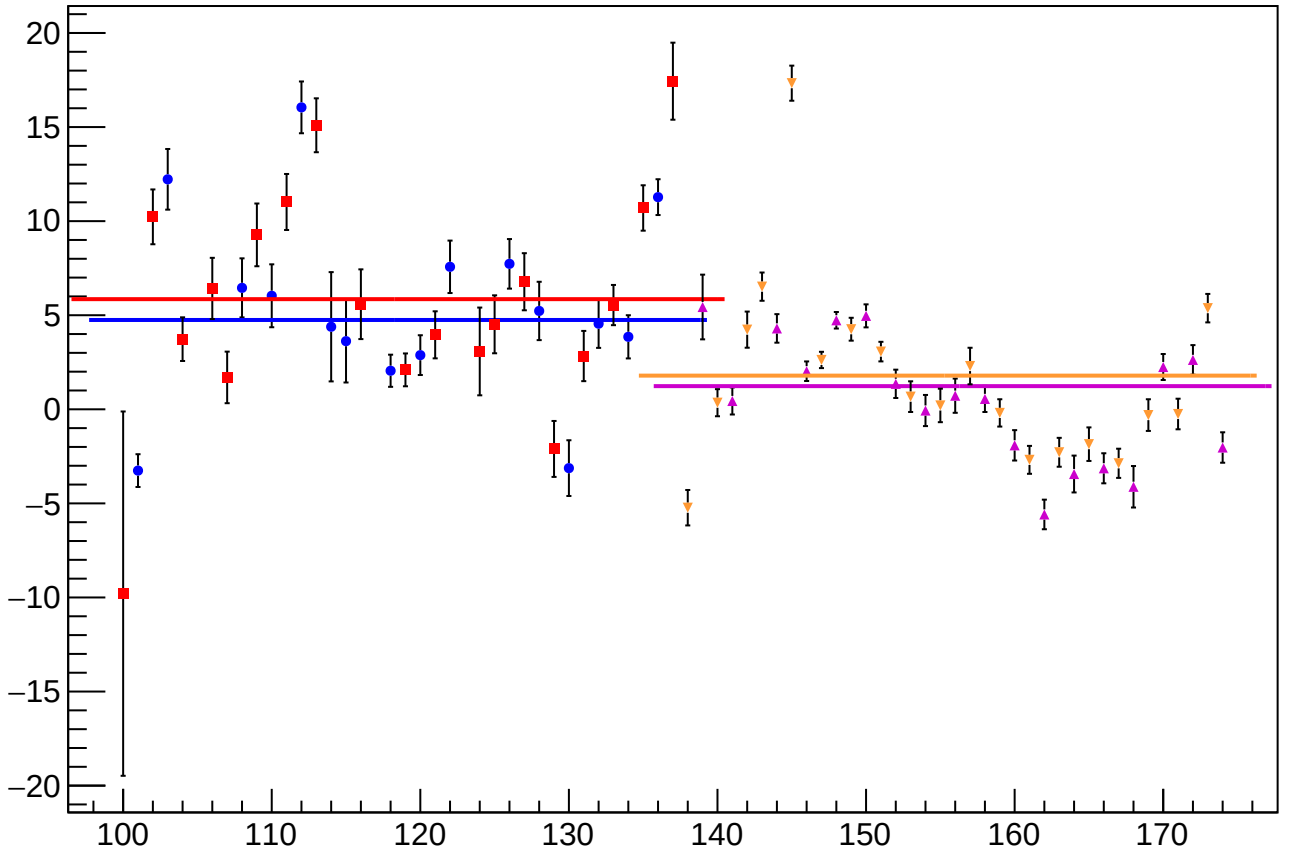
Left: -34.944+/-0.173 χ^2/NDF: 1782.0/36

Right: -39.795+/-0.218 χ^2/NDF: 2253.9/34

In: -36.575+/-0.192 χ^2/NDF:2407.3/33

Out: -37.057+/-0.191 χ^2/NDF:1928.2/37

All: -36.817+/-0.136 χ^2/NDF: 4338.7/71



Right In: 4.747+/-0.316 χ^2/NDF: 273.8/15

Left Out: 1.790+/-0.168 χ^2/NDF:574.9/18

Right Out: 5.854+/-0.324 χ^2/NDF: 187.6/18

Left In: 1.231+/-0.172 χ^2/NDF:318.4/17

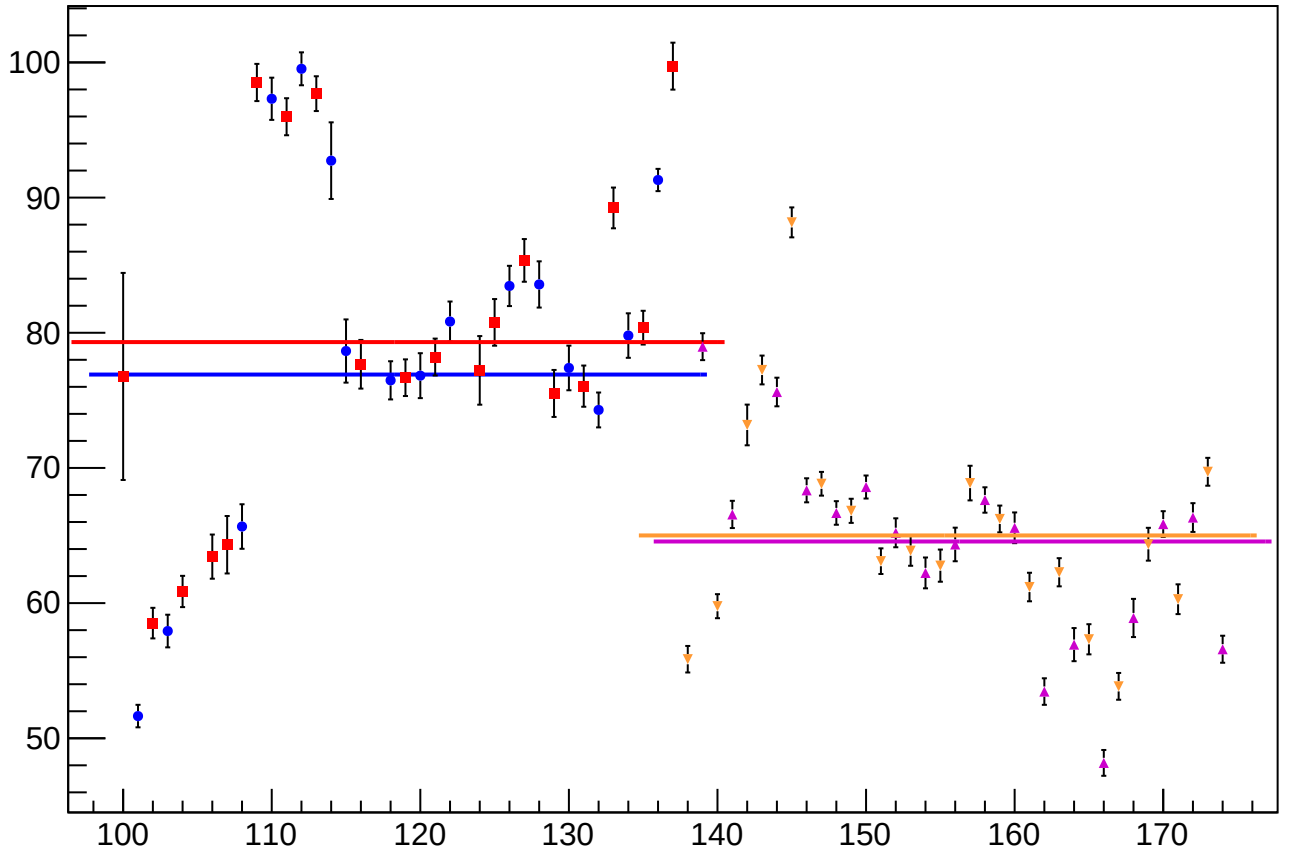
Left: 1.518+/-0.120 χ^2/NDF: 898.7/36

Right: 5.287+/-0.226 χ^2/NDF: 467.4/34

In: 2.034+/-0.151 χ^2/NDF:687.9/33

Out: 2.648+/-0.149 χ^2/NDF:886.7/37

All: 2.345+/-0.106 χ^2/NDF: 1583.0/71



Right In: 76.909+/-0.337 χ^2/NDF: 2116.0/15

Left Out: 65.007+/-0.240 χ^2/NDF:996.0/18

Right Out: 79.311+/-0.348 χ^2/NDF: 1496.4/18

Left In: 64.558+/-0.240 χ^2/NDF:930.0/17

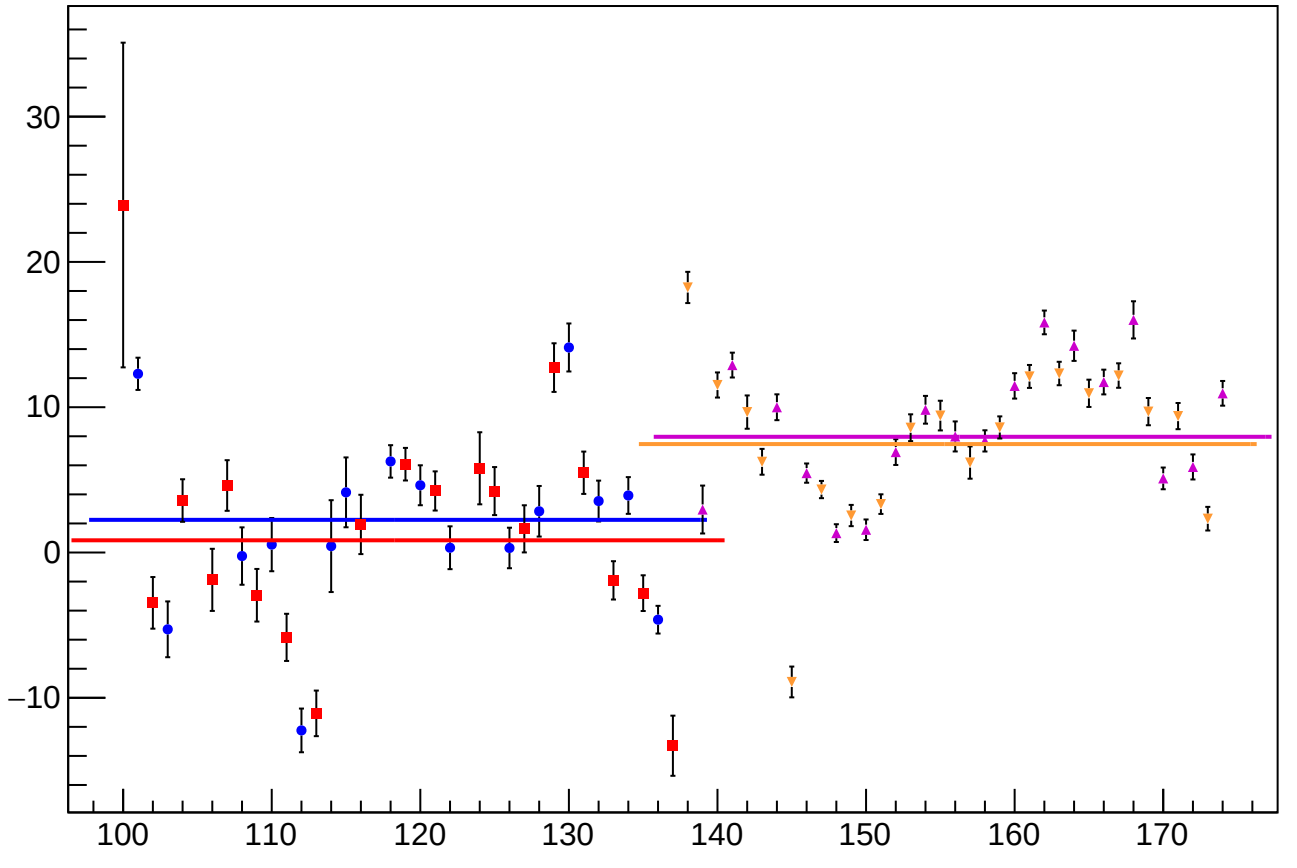
Left: 64.783+/-0.170 χ^2/NDF: 1927.7/36

Right: 78.071+/-0.242 χ^2/NDF: 3636.9/34

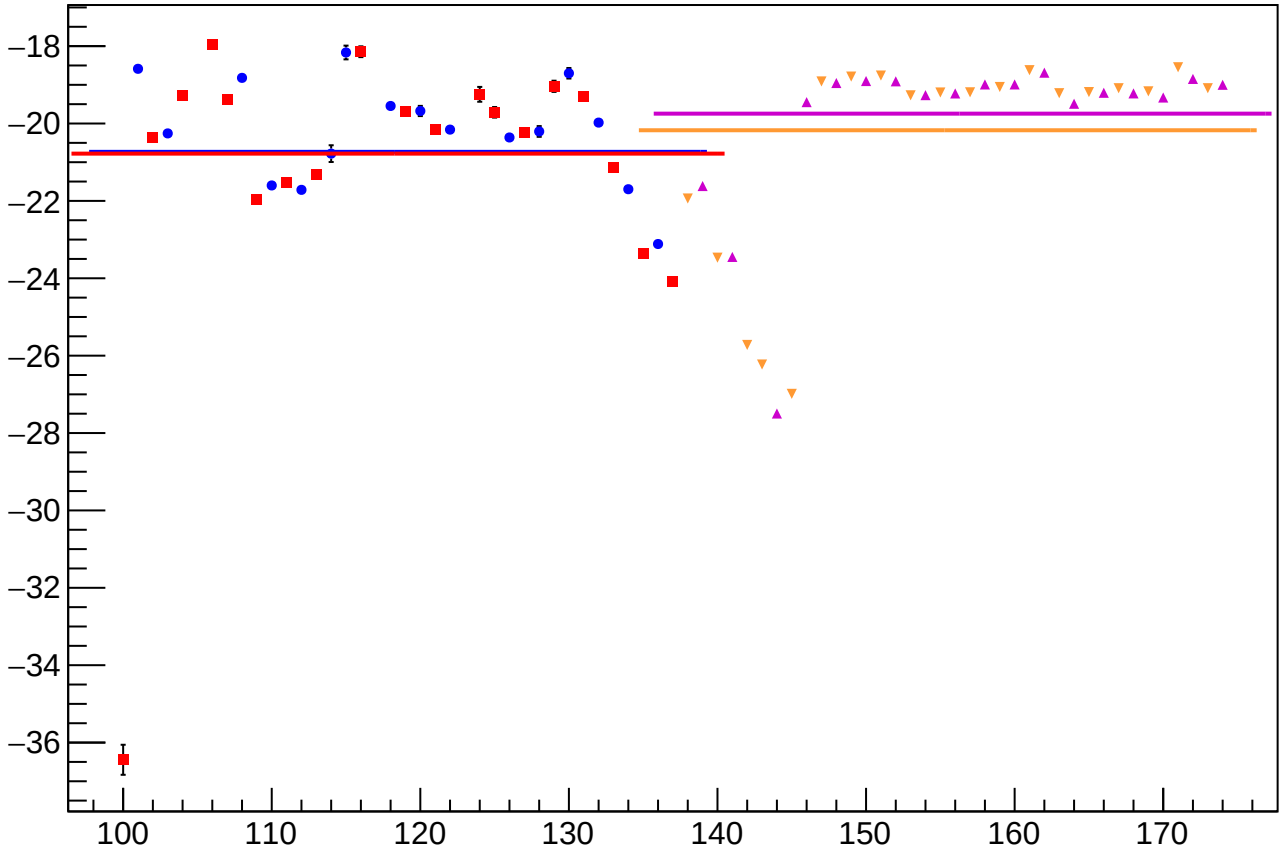
In: 68.723+/-0.196 χ^2/NDF:3936.9/33

Out: 69.626+/-0.198 χ^2/NDF:3637.2/37

All: 69.170+/-0.139 χ^2/NDF: 7584.7/71


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: 2.248+/-0.363 χ²/NDF: 319.6/15
Left Out: 7.463+/-0.195 χ²/NDF:652.5/18
Right Out: 0.840+/-0.372 χ²/NDF: 256.2/18
Left In: 7.964+/-0.199 χ²/NDF:503.8/17
Left: 7.709+/-0.139 χ²/NDF: 1159.6/36
Right: 1.561+/-0.260 χ²/NDF: 583.2/34
In: 6.648+/-0.174 χ²/NDF:1014.3/33
Out: 6.034+/-0.173 χ²/NDF:1157.3/37
All: 6.339+/-0.123 χ²/NDF: 2177.8/71

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.732+/-0.019 χ^2/NDF: 7634.1/15

Left Out: -20.174+/-0.009 χ^2/NDF:73682.3/18

Right Out: -20.778+/-0.020 χ^2/NDF: 9426.6/18

Left In: -19.745+/-0.009 χ^2/NDF:42784.5/17

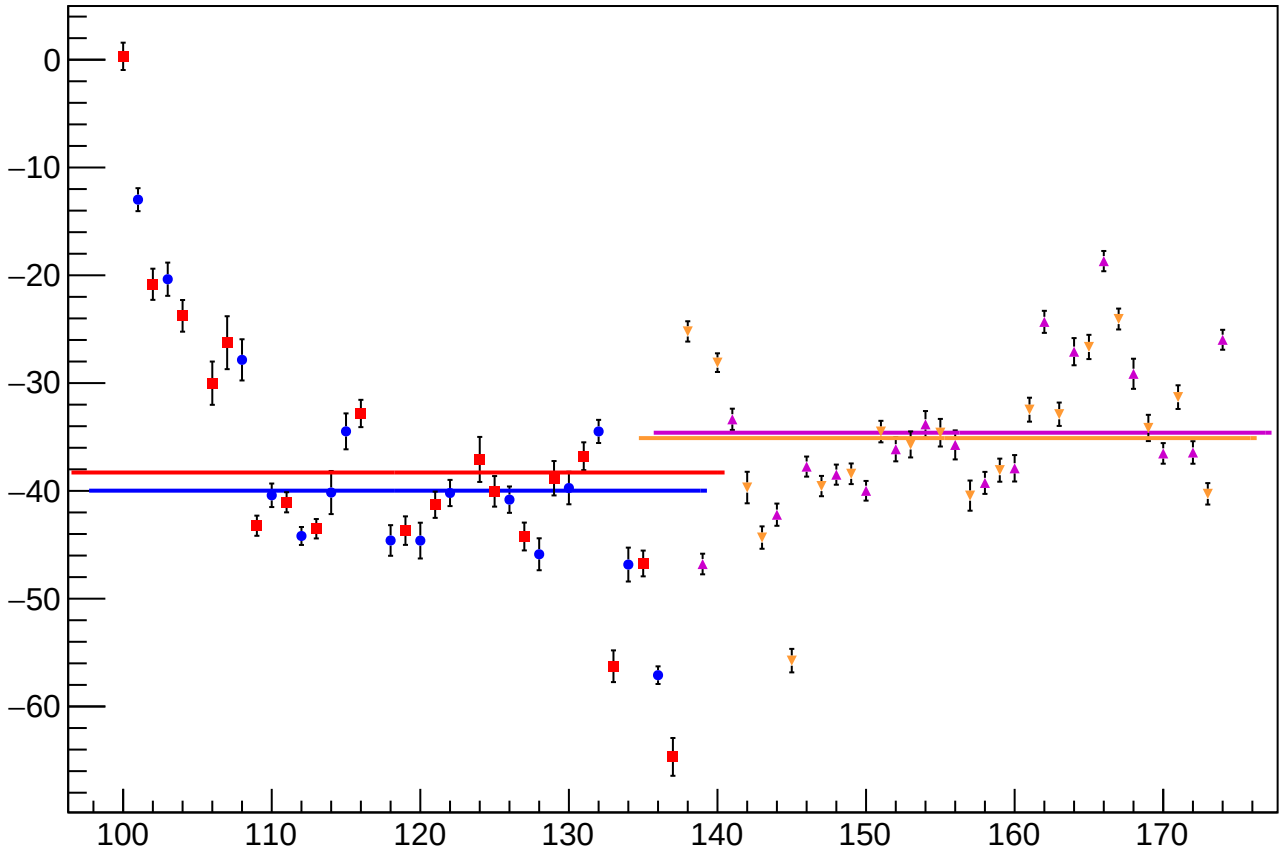
Left: -19.957+/-0.006 χ^2/NDF: 117602.2/36

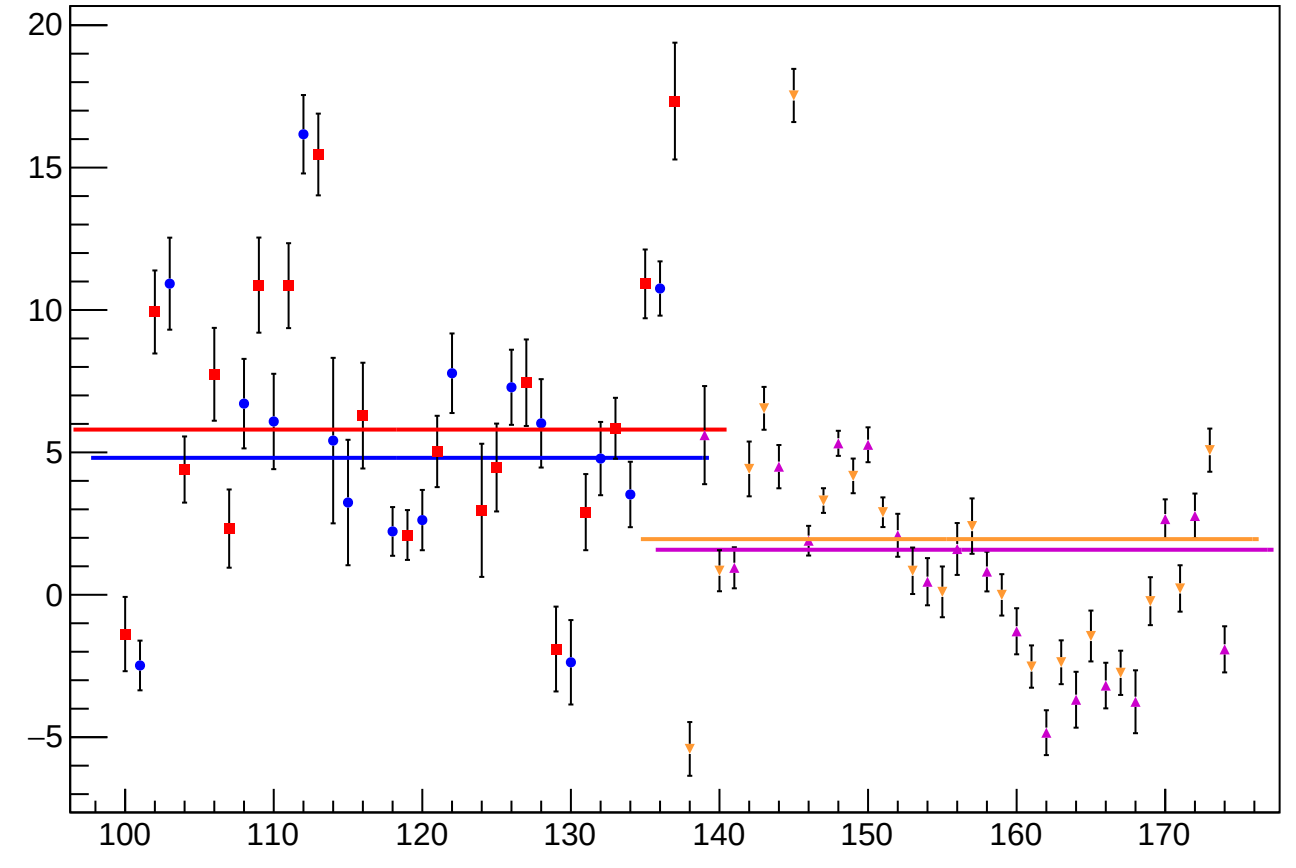
Right: -20.755+/-0.014 χ^2/NDF: 17063.4/34

In: -19.918+/-0.008 χ^2/NDF:52550.2/33

Out: -20.275+/-0.008 χ^2/NDF:83854.4/37

All: -20.094+/-0.006 χ^2/NDF: 137354.0/71


reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -39.979+/-0.311 χ²/NDF: 1398.4/15
Left Out: -35.103+/-0.245 χ²/NDF:916.2/18
Right Out: -38.295+/-0.299 χ²/NDF: 1773.8/18
Left In: -34.603+/-0.245 χ²/NDF:845.9/17
Left: -34.854+/-0.173 χ²/NDF: 1764.2/36
Right: -39.104+/-0.216 χ²/NDF: 3187.4/34
In: -36.666+/-0.193 χ²/NDF:2428.3/33
Out: -36.387+/-0.190 χ²/NDF:2758.0/37
All: -36.524+/-0.135 χ²/NDF: 5187.4/71



Right In: 4.808+/-0.316 χ^2/NDF: 240.5/15

Left Out: 1.954+/-0.168 χ^2/NDF:572.7/18

Right Out: 5.801+/-0.315 χ^2/NDF: 216.4/18

Left In: 1.581+/-0.172 χ^2/NDF:323.1/17

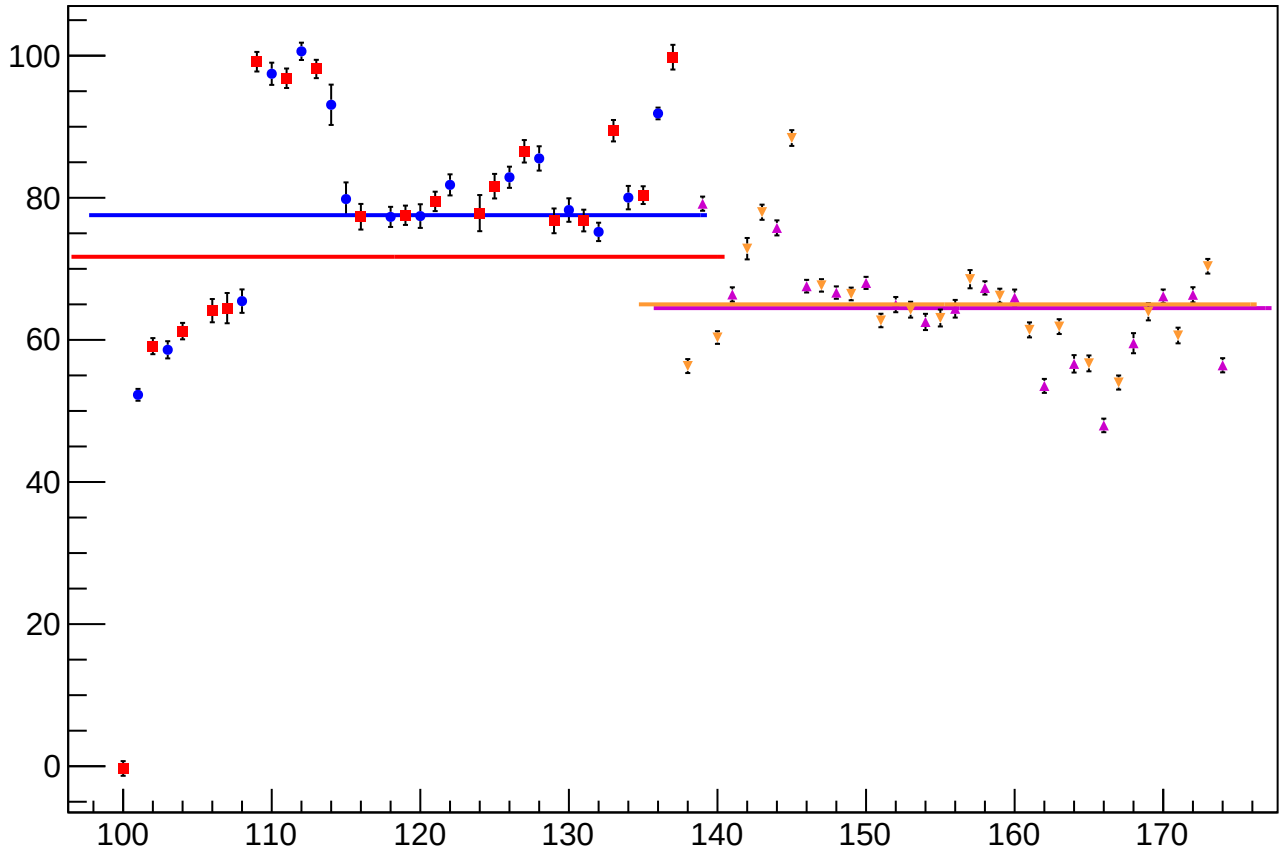
Left: 1.773+/-0.120 χ^2/NDF: 898.2/36

Right: 5.307+/-0.223 χ^2/NDF: 461.9/34

In: 2.318+/-0.151 χ^2/NDF:643.9/33

Out: 2.805+/-0.148 χ^2/NDF:905.3/37

All: 2.566+/-0.106 χ^2/NDF: 1554.5/71



Right In: 77.554+/-0.337 χ^2/NDF: 2118.3/15

Left Out: 65.002+/-0.241 χ^2/NDF:996.9/18

Right Out: 71.699+/-0.330 χ^2/NDF: 6903.5/18

Left In: 64.472+/-0.241 χ^2/NDF:928.5/17

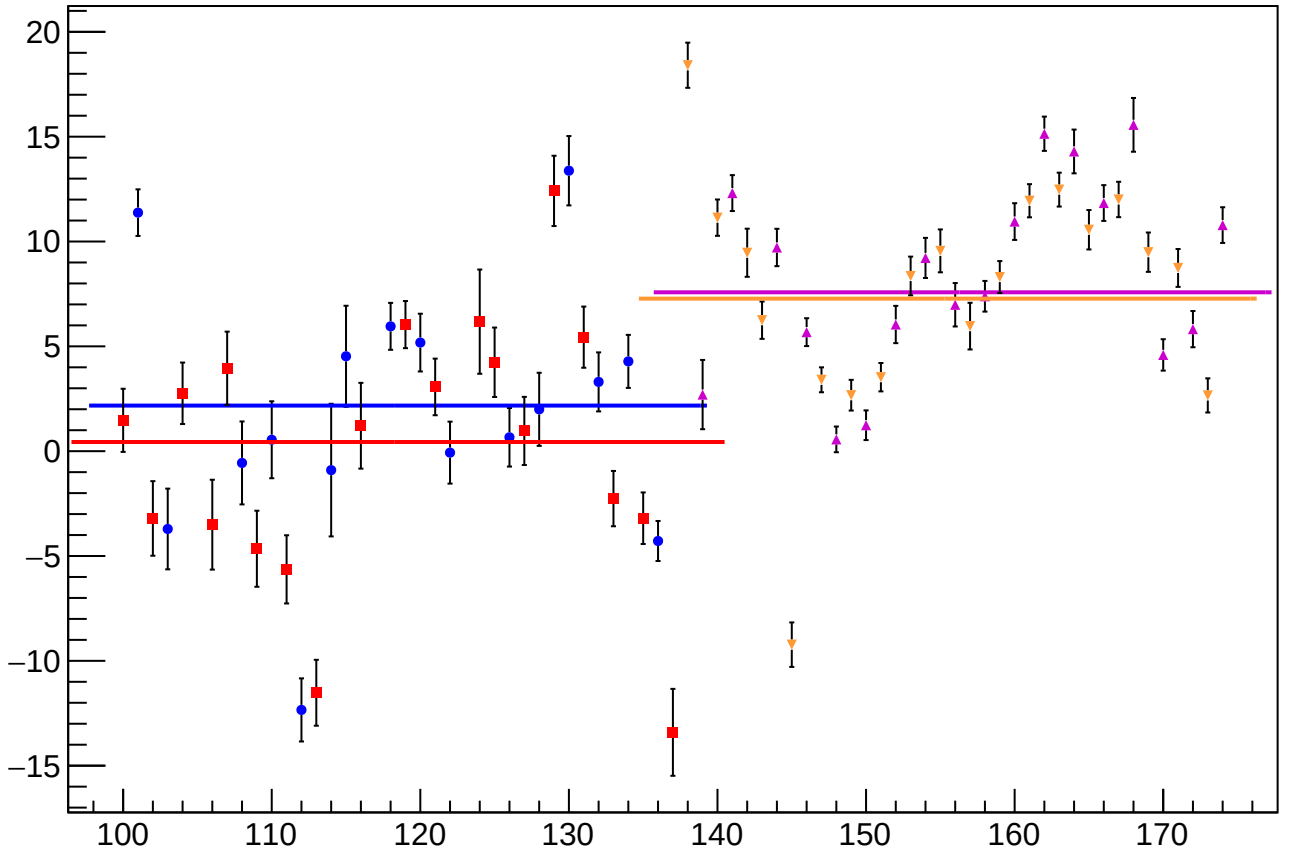
Left: 64.737+/-0.170 χ^2/NDF: 1927.8/36

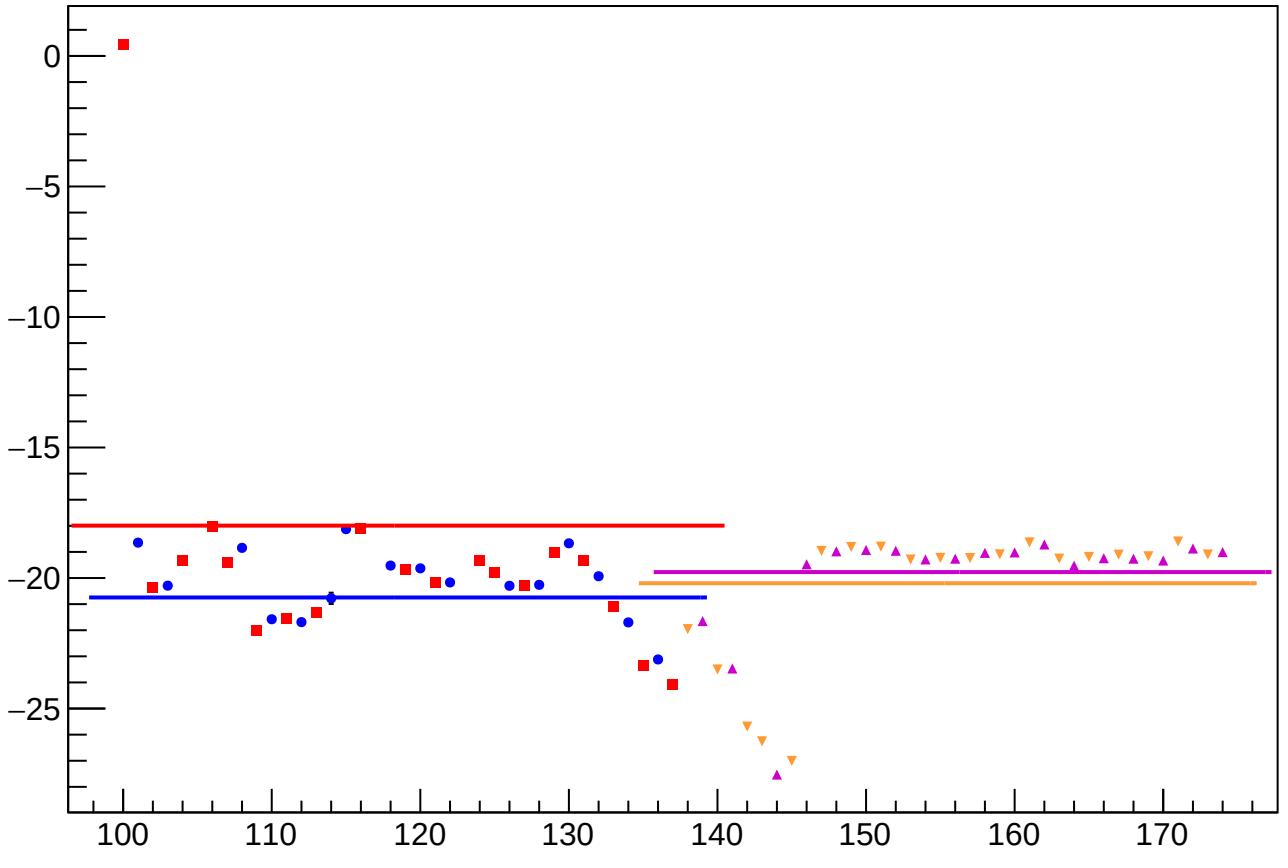
Right: 74.565+/-0.236 χ^2/NDF: 9175.5/34

In: 68.885+/-0.196 χ^2/NDF:4043.1/33

Out: 67.323+/-0.195 χ^2/NDF:8168.8/37

All: 68.098+/-0.138 χ^2/NDF: 12243.9/71


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 2.175+/-0.364 χ²/NDF: 290.3/15
Left Out: 7.276+/-0.195 χ²/NDF:656.1/18
Right Out: 0.438+/-0.362 χ²/NDF: 254.1/18
Left In: 7.578+/-0.199 χ²/NDF:510.4/17
Left: 7.424+/-0.139 χ²/NDF: 1167.6/36
Right: 1.302+/-0.257 χ²/NDF: 555.9/34
In: 6.333+/-0.175 χ²/NDF:970.6/33
Out: 5.732+/-0.172 χ²/NDF:1186.6/37
All: 6.028+/-0.122 χ²/NDF: 2163.2/71



Right In: -20.745+/-0.019 χ^2/NDF: 7513.6/15

Left Out: -20.201+/-0.009 χ^2/NDF:73227.7/18

Right Out: -17.993+/-0.019 χ^2/NDF: 150579.1/18

Left In: -19.772+/-0.009 χ^2/NDF:42658.0/17

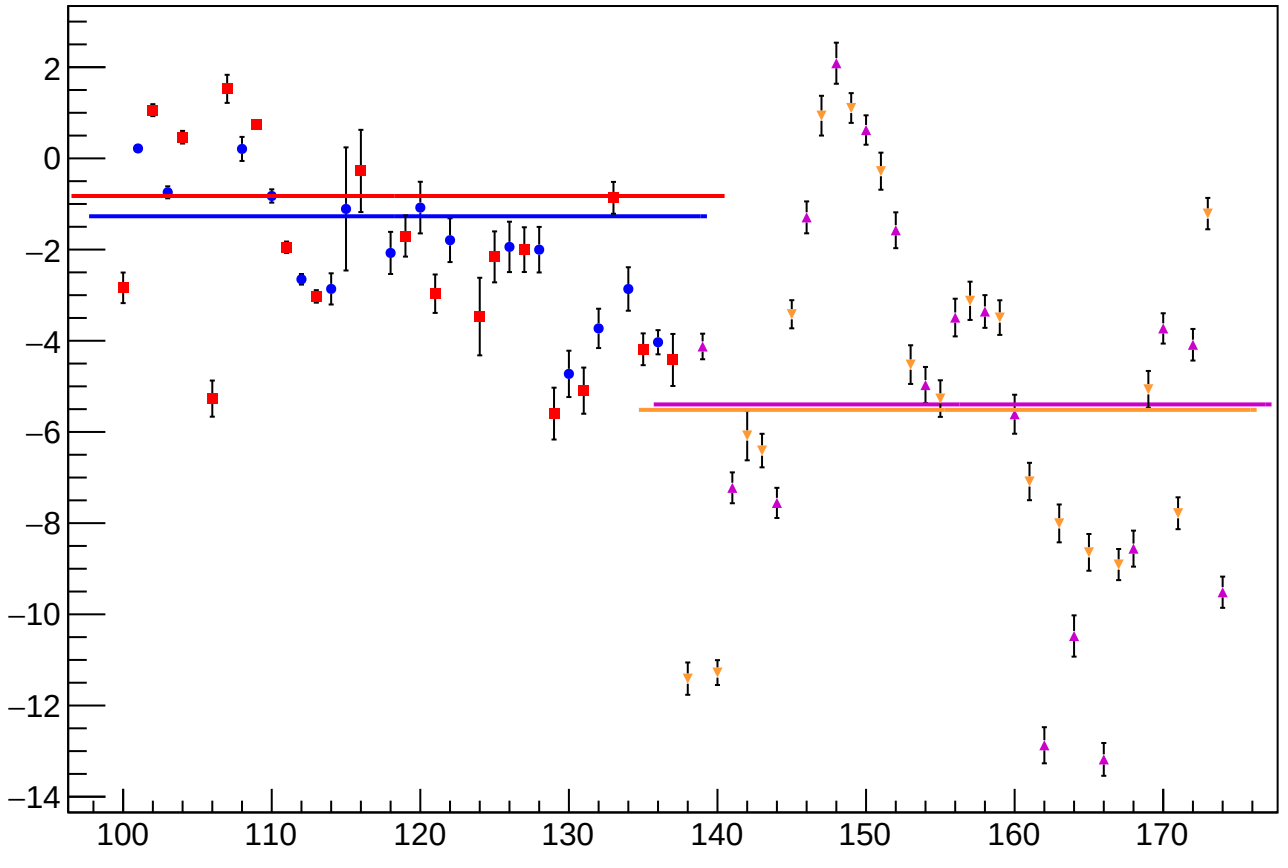
Left: -19.984+/-0.006 χ^2/NDF: 117015.6/36

Right: -19.328+/-0.014 χ^2/NDF: 168397.6/34

In: -19.942+/-0.008 χ^2/NDF:52233.7/33

Out: -19.787+/-0.008 χ^2/NDF:234918.2/37

All: -19.865+/-0.006 χ^2/NDF: 287334.3/71



Right In: -1.270+/-0.055 χ^2/NDF: 616.5/15

Left Out: -5.516+/-0.085 χ^2/NDF:2048.5/18

Right Out: -0.825+/-0.051 χ^2/NDF: 1384.3/18

Left In: -5.396+/-0.086 χ^2/NDF:2202.2/17

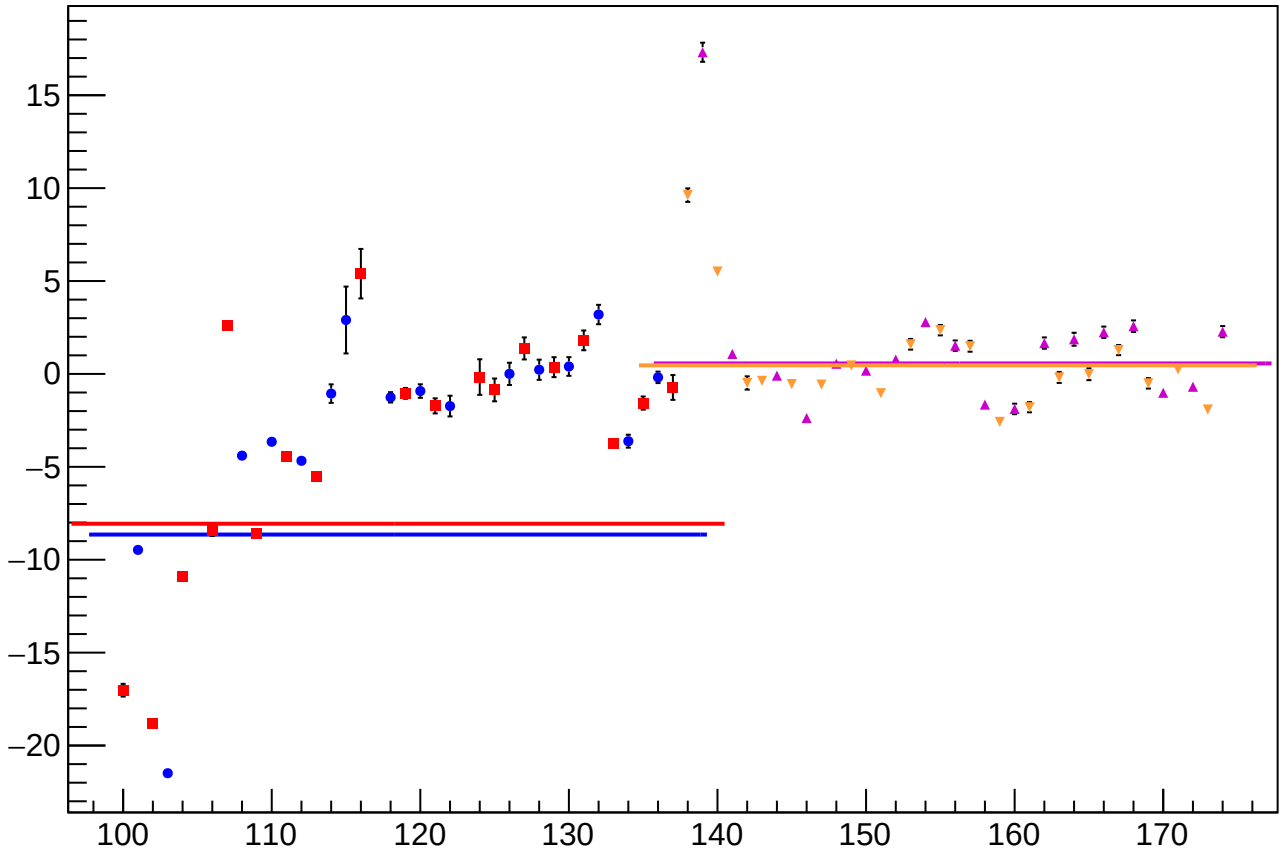
Left: -5.456+/-0.060 χ^2/NDF: 4251.6/36

Right: -1.033+/-0.037 χ^2/NDF: 2036.2/34

In: -2.461+/-0.046 χ^2/NDF:4471.8/33

Out: -2.059+/-0.044 χ^2/NDF:5654.6/37

All: -2.250+/-0.032 χ^2/NDF: 10166.5/71



Right In: -8.645+/-0.057 χ^2/NDF: 13827.6/15

Left Out: 0.462+/-0.061 χ^2/NDF:1609.9/18

Right Out: -8.063+/-0.058 χ^2/NDF: 14427.9/18

Left In: 0.564+/-0.063 χ^2/NDF:1696.6/17

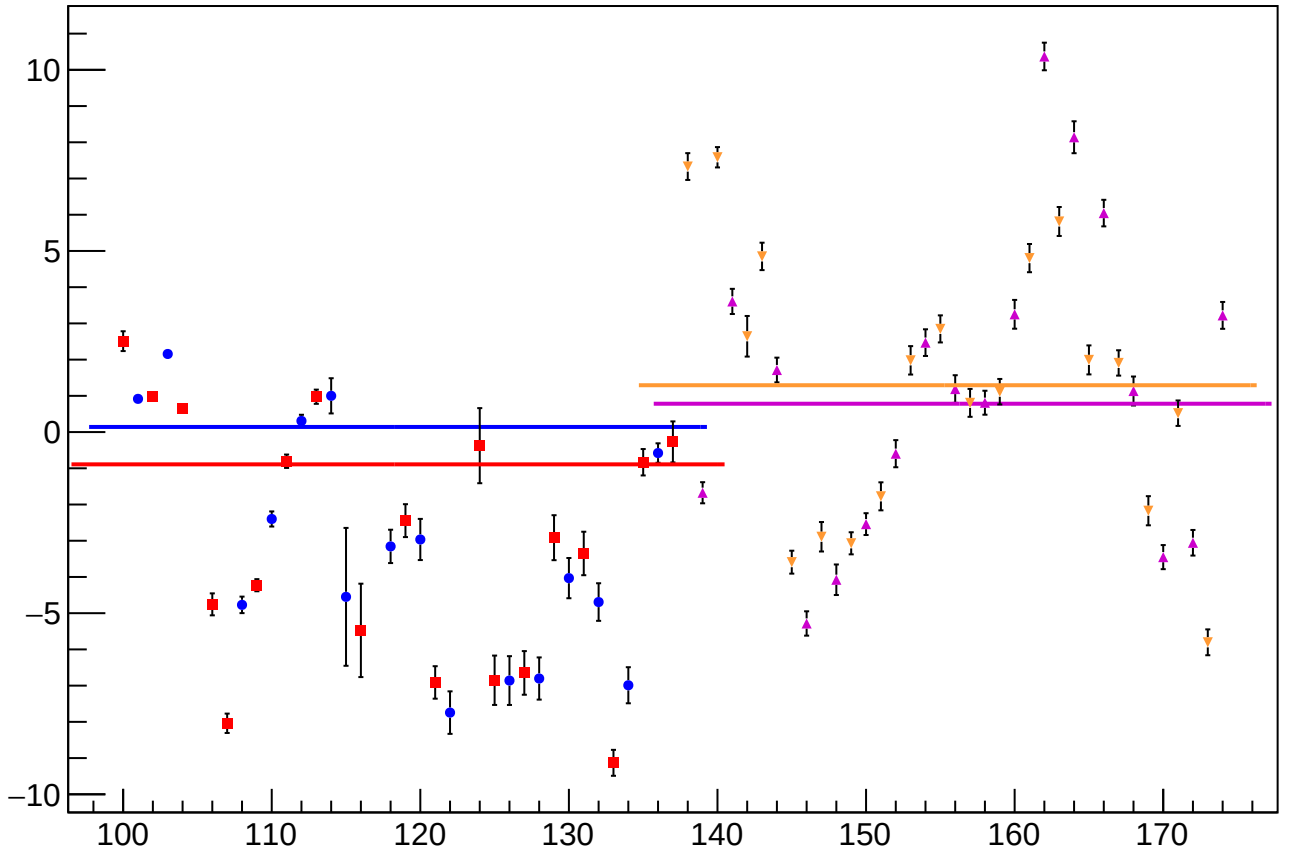
Left: 0.512+/-0.044 χ^2/NDF: 3307.9/36

Right: -8.357+/-0.040 χ^2/NDF: 28307.3/34

In: -4.489+/-0.042 χ^2/NDF:27330.8/33

Out: -4.035+/-0.042 χ^2/NDF:26423.6/37

All: -4.259+/-0.030 χ^2/NDF: 53812.9/71



Right In: 0.141+/-0.053 χ^2/NDF: 1959.8/15

Left Out: 1.293+/-0.084 χ^2/NDF:2186.3/18

Right Out: -0.891+/-0.054 χ^2/NDF: 2985.7/18

Left In: 0.782+/-0.084 χ^2/NDF:2240.8/17

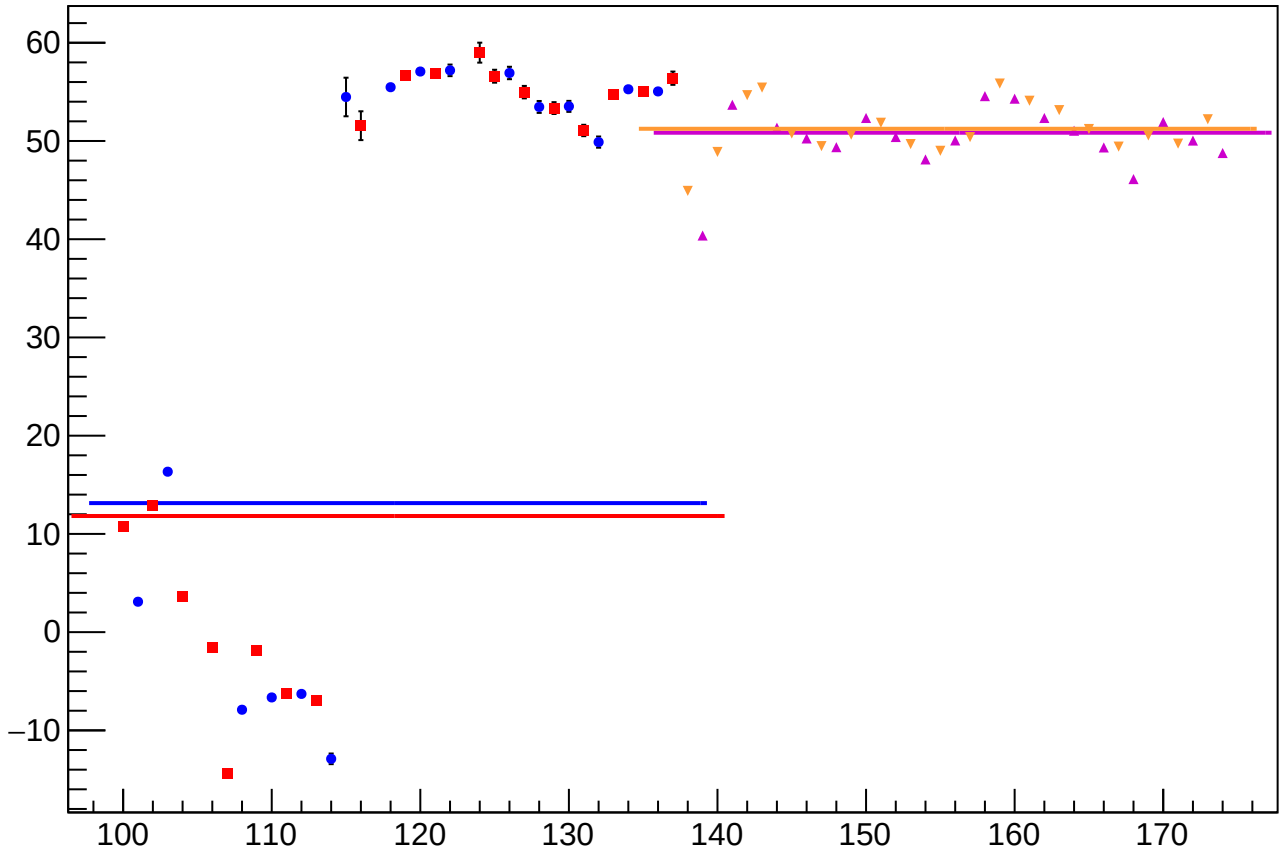
Left: 1.038+/-0.059 χ^2/NDF: 4445.5/36

Right: -0.368+/-0.038 χ^2/NDF: 5133.2/34

In: 0.323+/-0.045 χ^2/NDF:4242.1/33

Out: -0.260+/-0.045 χ^2/NDF:5651.8/37

All: 0.034+/-0.032 χ^2/NDF: 9977.6/71



Right In: 13.136+/-0.068 χ^2/NDF: 108574.4/15

Left Out: 51.243+/-0.070 χ^2/NDF:1185.2/18

Right Out: 11.822+/-0.068 χ^2/NDF: 118168.5/18

Left In: 50.840+/-0.071 χ^2/NDF:1313.0/17

Left: 51.046+/-0.050 χ^2/NDF: 2514.5/36

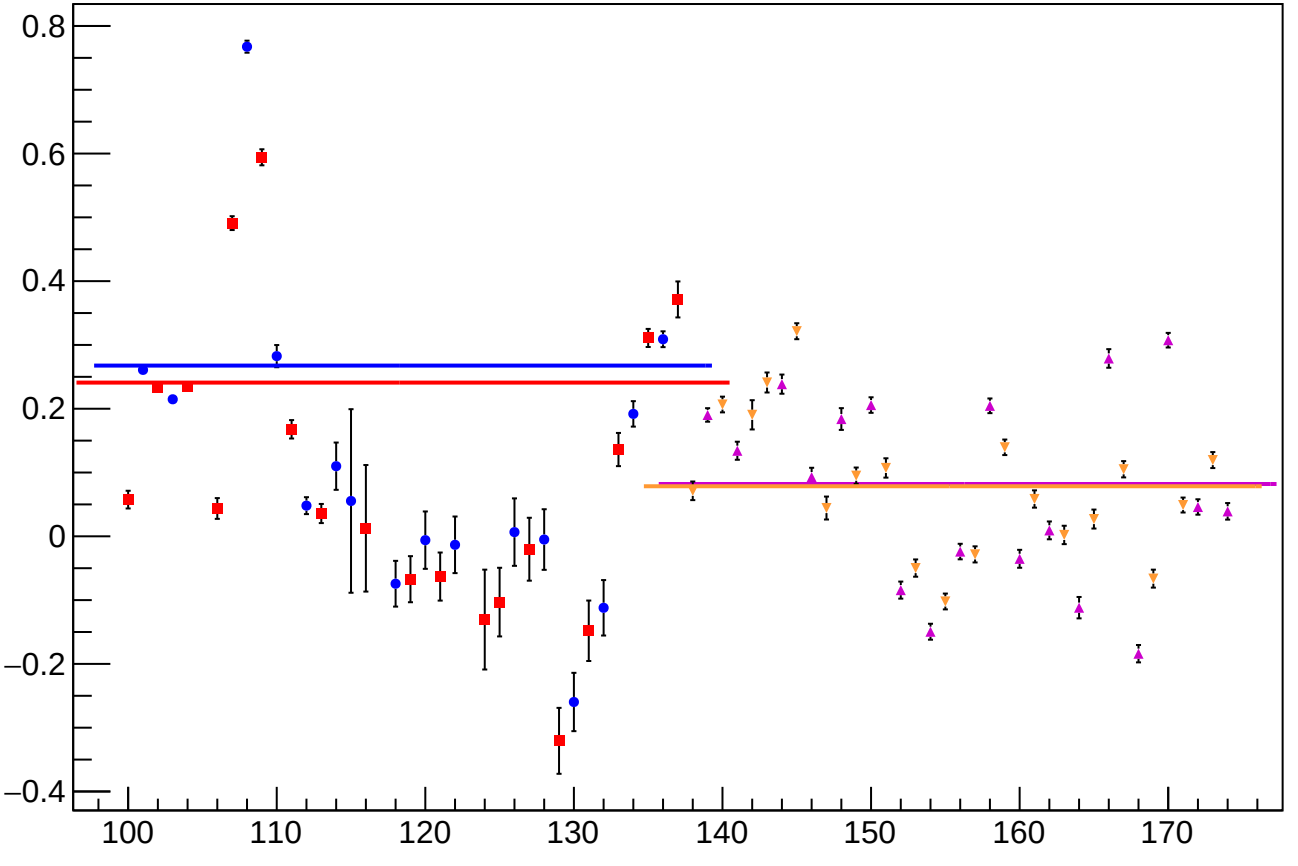
Right: 12.478+/-0.048 χ^2/NDF: 226930.1/34

In: 31.080+/-0.049 χ^2/NDF:256449.5/33

Out: 30.996+/-0.049 χ^2/NDF:283554.5/37

All: 31.038+/-0.035 χ^2/NDF: 540005.5/71

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.268+/-0.003 χ^2/NDF: 3720.4/15

Left Out: 0.078+/-0.003 χ^2/NDF:1194.2/18

Right Out: 0.241+/-0.003 χ^2/NDF: 2339.2/18

Left In: 0.082+/-0.003 χ^2/NDF:2254.6/17

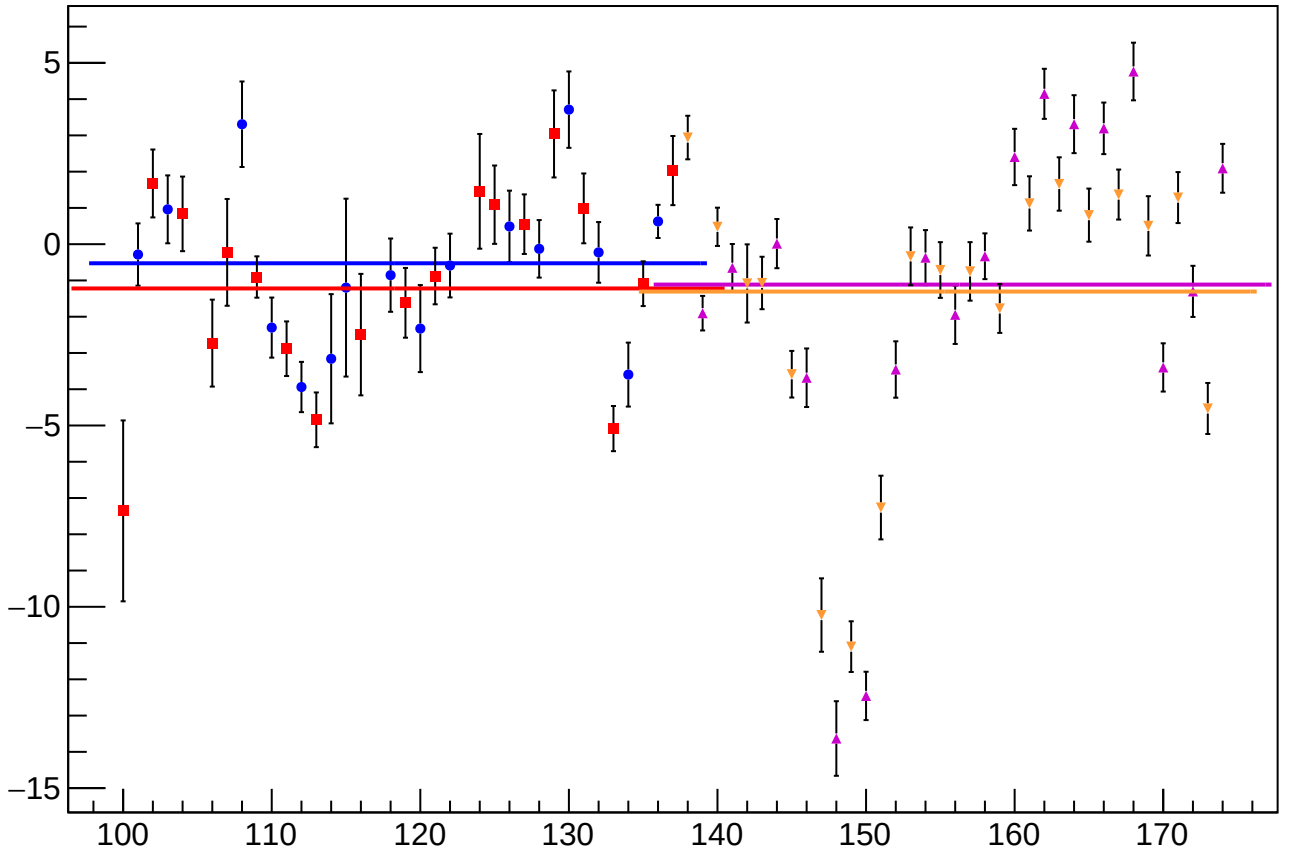
Left: 0.080+/-0.002 χ^2/NDF: 3449.4/36

Right: 0.254+/-0.002 χ^2/NDF: 6105.9/34

In: 0.185+/-0.002 χ^2/NDF:7950.8/33

Out: 0.170+/-0.002 χ^2/NDF:5054.3/37

All: 0.177+/-0.001 χ^2/NDF: 13028.8/71



Right In: -0.527+/-0.217 χ^2/NDF: 82.7/15

Left Out: -1.306+/-0.167 χ^2/NDF:486.8/18

Right Out: -1.221+/-0.205 χ^2/NDF: 130.9/18

Left In: -1.114+/-0.166 χ^2/NDF:701.8/17

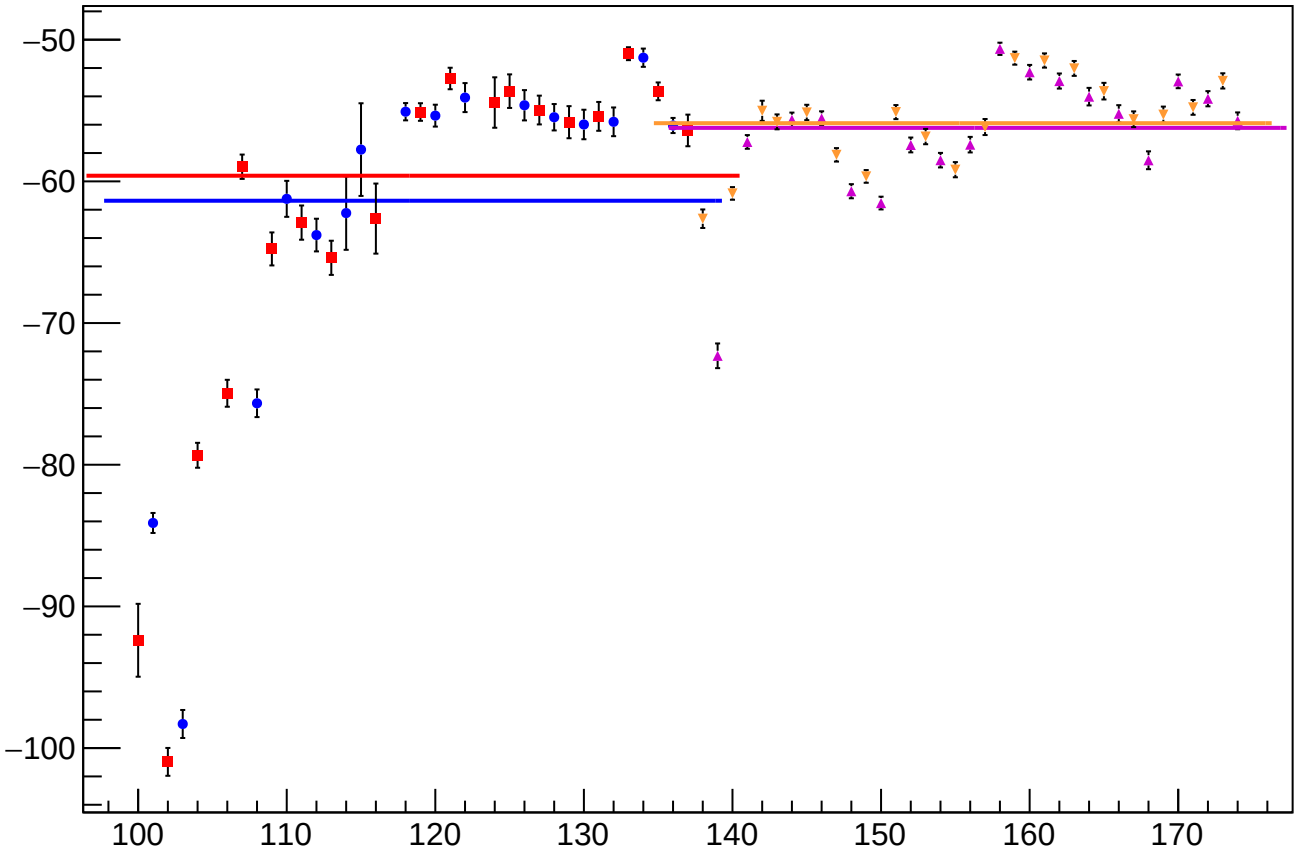
Left: -1.210+/-0.117 χ^2/NDF: 1189.2/36

Right: -0.894+/-0.149 χ^2/NDF: 219.1/34

In: -0.898+/-0.132 χ^2/NDF:789.2/33

Out: -1.272+/-0.129 χ^2/NDF:617.8/37

All: -1.089+/-0.092 χ^2/NDF: 1411.1/71



Right In: -61.367+/-0.219 χ^2/NDF: 3351.2/15

Left Out: -55.893+/-0.121 χ^2/NDF:650.7/18

Right Out: -59.601+/-0.207 χ^2/NDF: 3421.3/18

Left In: -56.224+/-0.125 χ^2/NDF:949.9/17

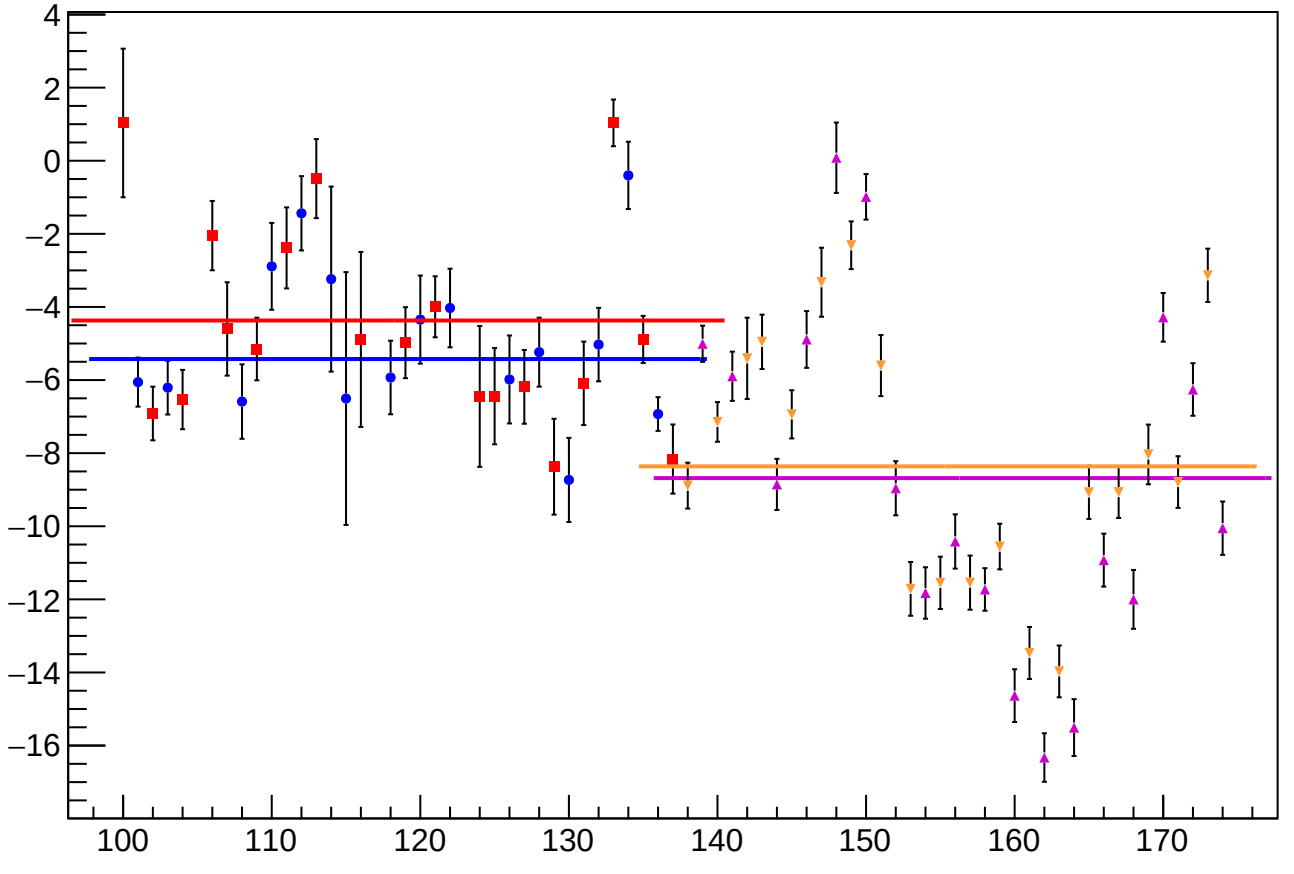
Left: -56.053+/-0.087 χ^2/NDF: 1604.2/36

Right: -60.433+/-0.150 χ^2/NDF: 6806.9/34

In: -57.484+/-0.108 χ^2/NDF:4717.5/33

Out: -56.838+/-0.104 χ^2/NDF:4312.0/37

All: -57.149+/-0.075 χ^2/NDF: 9047.8/71



Right In: -5.425+/-0.230 χ^2/NDF: 76.0/15

Left Out: -8.362+/-0.164 χ^2/NDF:402.7/18

Right Out: -4.371+/-0.223 χ^2/NDF: 156.6/18

Left In: -8.683+/-0.163 χ^2/NDF:747.5/17

Left: -8.523+/-0.116 χ^2/NDF: 1152.1/36

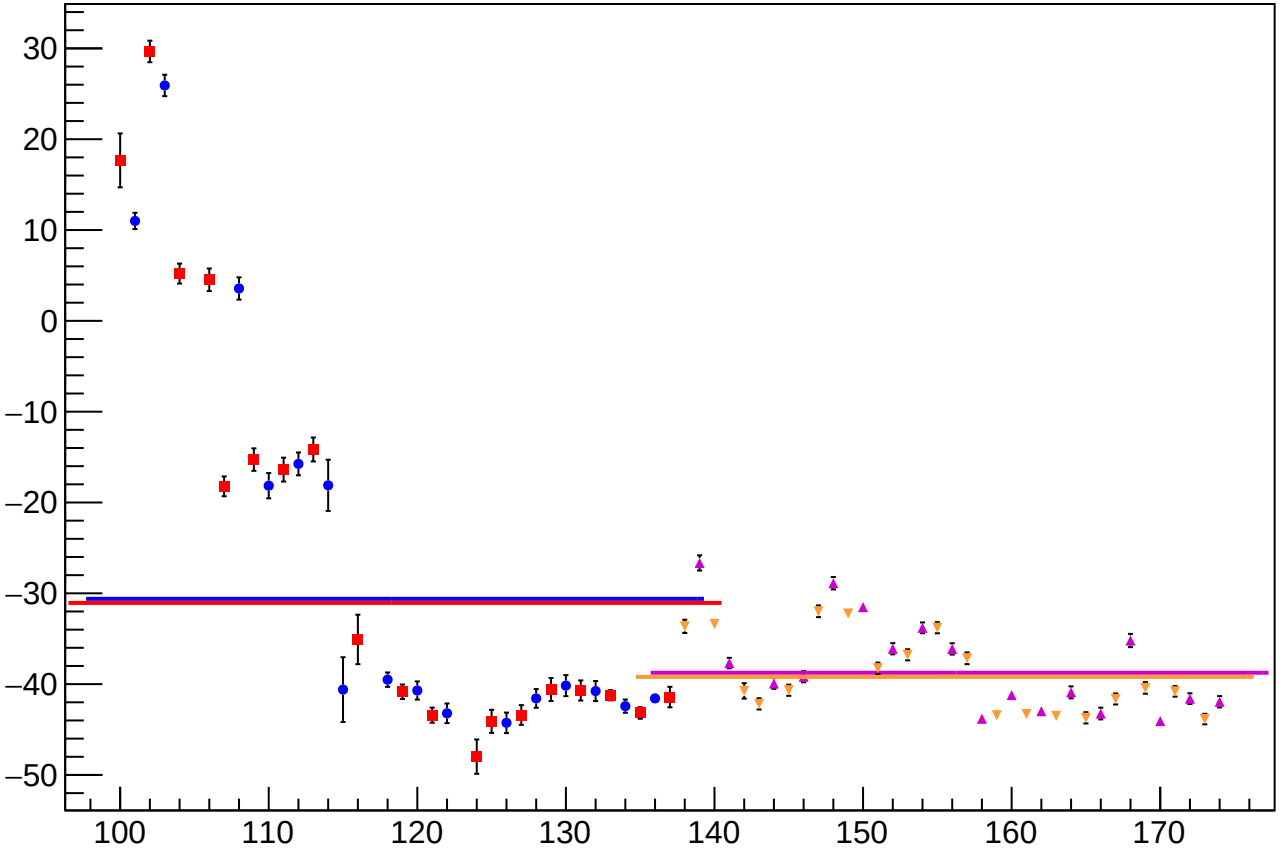
Right: -4.881+/-0.160 χ^2/NDF: 243.4/34

In: -7.593+/-0.133 χ^2/NDF:957.0/33

Out: -6.957+/-0.132 χ^2/NDF:767.8/37

All: -7.272+/-0.094 χ^2/NDF: 1736.3/71

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.605+/-0.249 χ^2/NDF: 6938.0/15

Left Out: -39.202+/-0.137 χ^2/NDF:949.8/18

Right Out: -31.056+/-0.238 χ^2/NDF: 6976.4/18

Left In: -38.743+/-0.140 χ^2/NDF:1162.3/17

Left: -38.977+/-0.098 χ^2/NDF: 2117.6/36

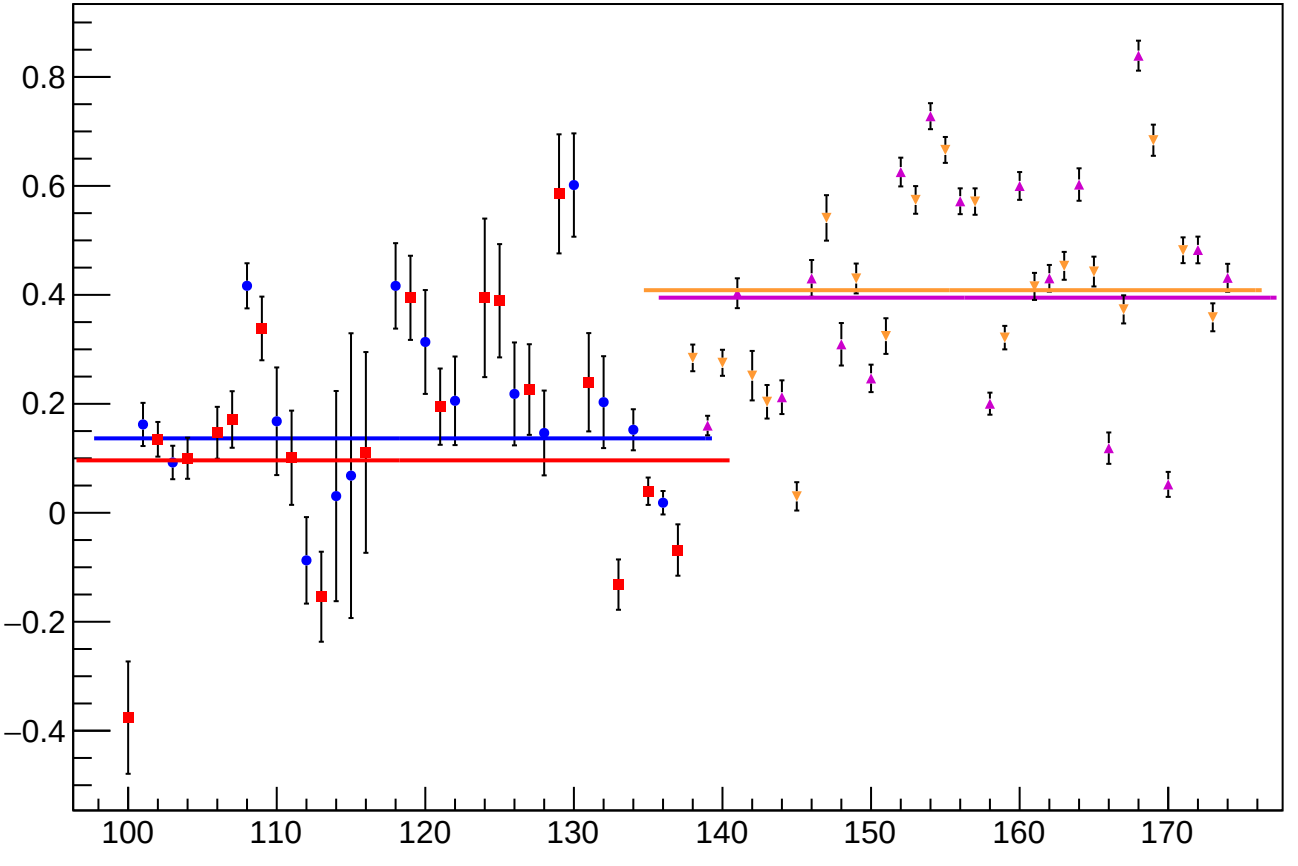
Right: -30.841+/-0.172 χ^2/NDF: 13916.2/34

In: -36.792+/-0.122 χ^2/NDF:8909.7/33

Out: -37.164+/-0.119 χ^2/NDF:8806.4/37

All: -36.983+/-0.085 χ^2/NDF: 17720.9/71

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.137+/-0.013 χ^2/NDF: 129.2/15

Left Out: 0.409+/-0.006 χ^2/NDF:675.5/18

Right Out: 0.096+/-0.012 χ^2/NDF: 147.7/18

Left In: 0.395+/-0.006 χ^2/NDF:1372.0/17

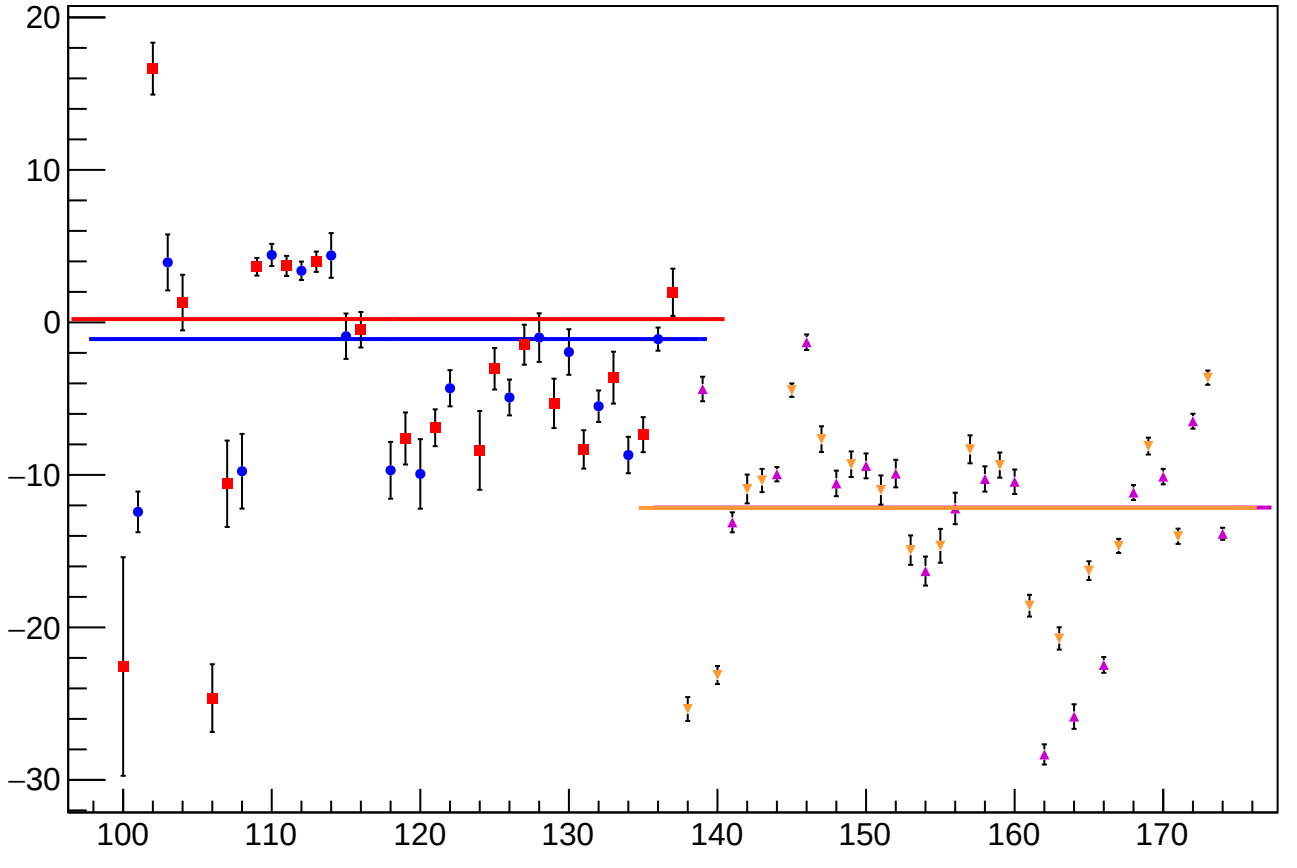
Left: 0.402+/-0.004 χ^2/NDF: 2050.0/36

Right: 0.116+/-0.009 χ^2/NDF: 282.3/34

In: 0.347+/-0.005 χ^2/NDF:1848.4/33

Out: 0.347+/-0.005 χ^2/NDF:1338.2/37

All: 0.347+/-0.004 χ^2/NDF: 3186.6/71



Right In: -1.092+/-0.281 χ^2/NDF: 332.0/15

Left Out: -12.165+/-0.151 χ^2/NDF:1714.0/18

Right Out: 0.216+/-0.266 χ^2/NDF: 520.8/18

Left In: -12.143+/-0.145 χ^2/NDF:2078.5/17

Left: -12.153+/-0.105 χ^2/NDF: 3792.4/36

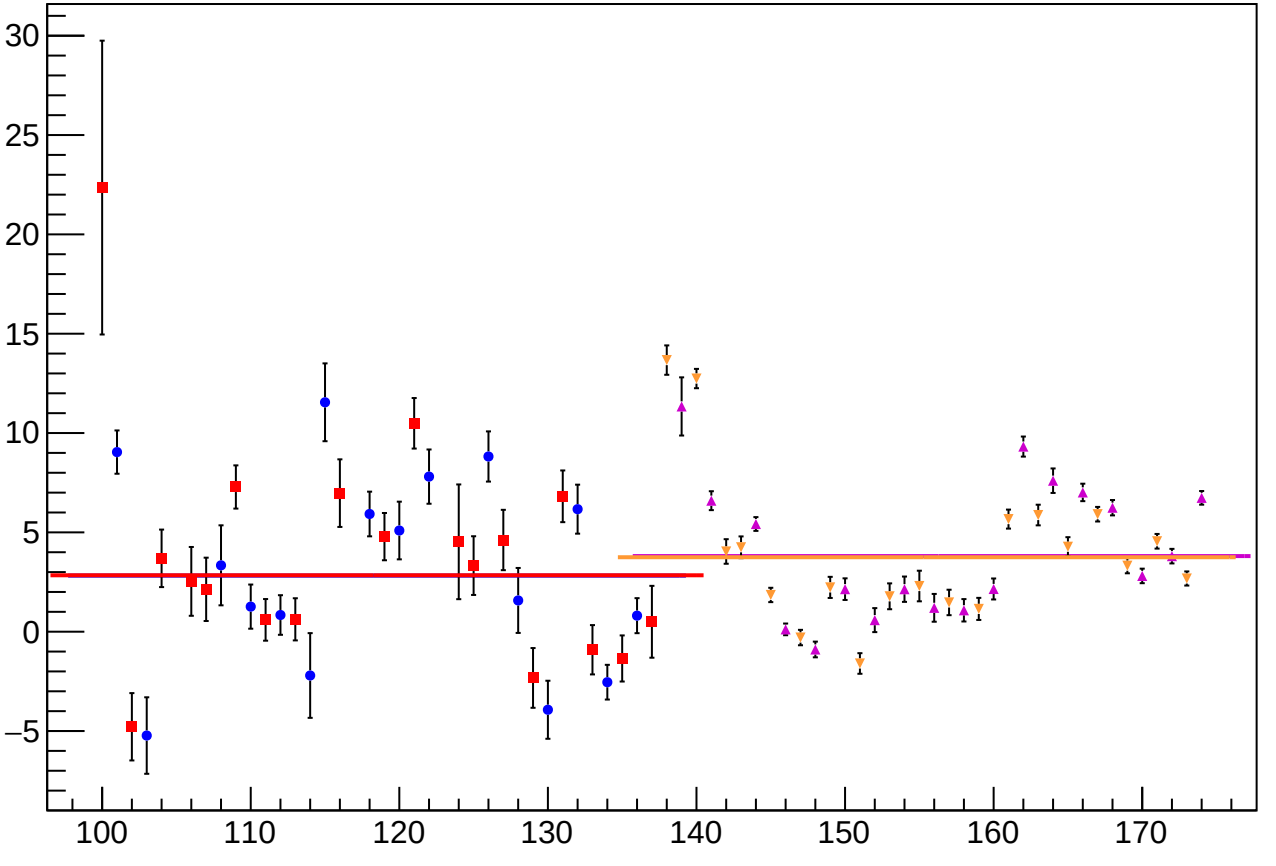
Right: -0.404+/-0.193 χ^2/NDF: 864.2/34

In: -9.818+/-0.129 χ^2/NDF:3635.3/33

Out: -9.150+/-0.131 χ^2/NDF:3871.5/37

All: -9.491+/-0.092 χ^2/NDF: 7520.1/71

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.823+/-0.313 χ^2/NDF: 199.6/15

Left Out: 3.748+/-0.108 χ^2/NDF:904.7/18

Right Out: 2.840+/-0.322 χ^2/NDF: 145.0/18

Left In: 3.806+/-0.105 χ^2/NDF:803.0/17

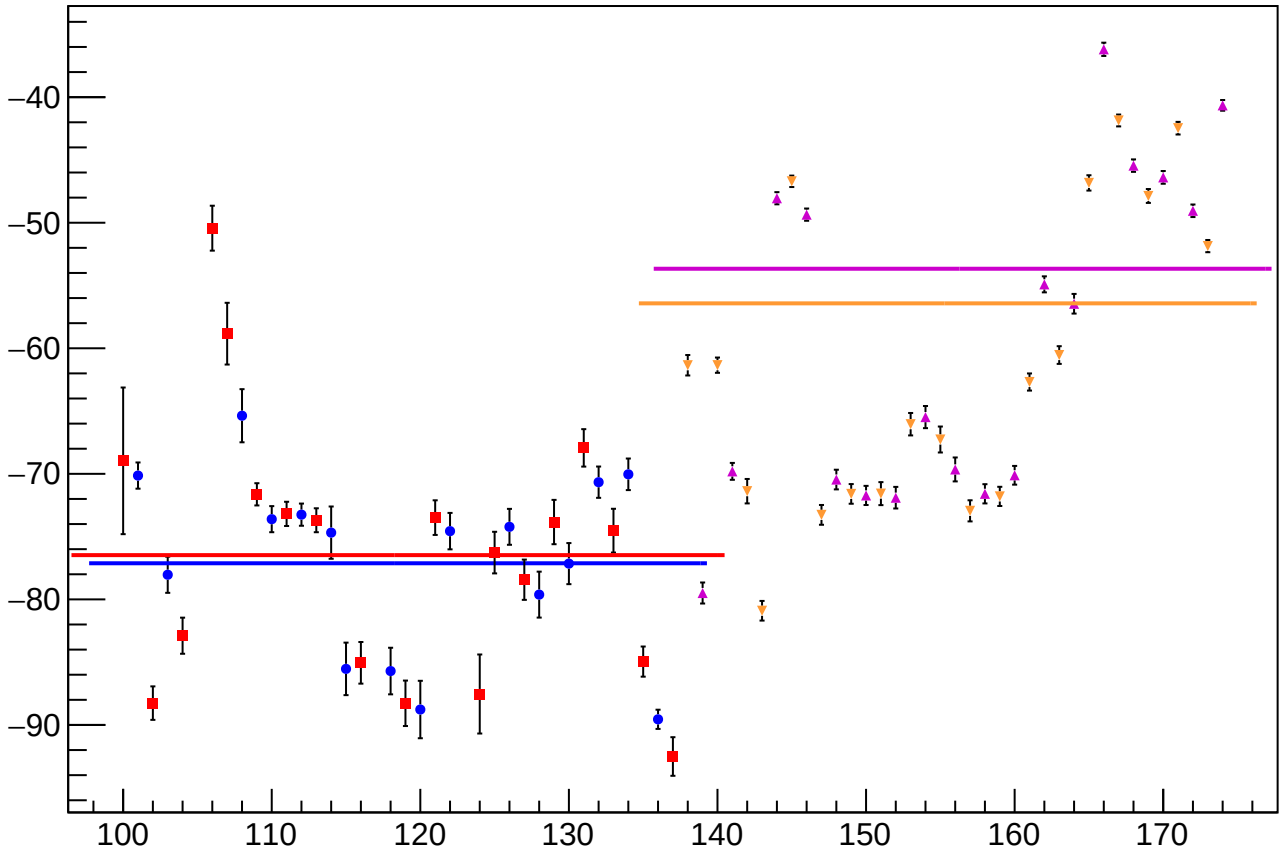
Left: 3.778+/-0.075 χ^2/NDF: 1707.8/36

Right: 2.831+/-0.225 χ^2/NDF: 344.5/34

In: 3.707+/-0.100 χ^2/NDF:1011.4/33

Out: 3.656+/-0.103 χ^2/NDF:1056.7/37

All: 3.682+/-0.072 χ^2/NDF: 2068.3/71



Right In: -77.123+/-0.326 χ^2/NDF: 503.3/15

Left Out: -56.421+/-0.150 χ^2/NDF:6301.5/18

Right Out: -76.475+/-0.328 χ^2/NDF: 695.8/18

Left In: -53.665+/-0.145 χ^2/NDF:7309.9/17

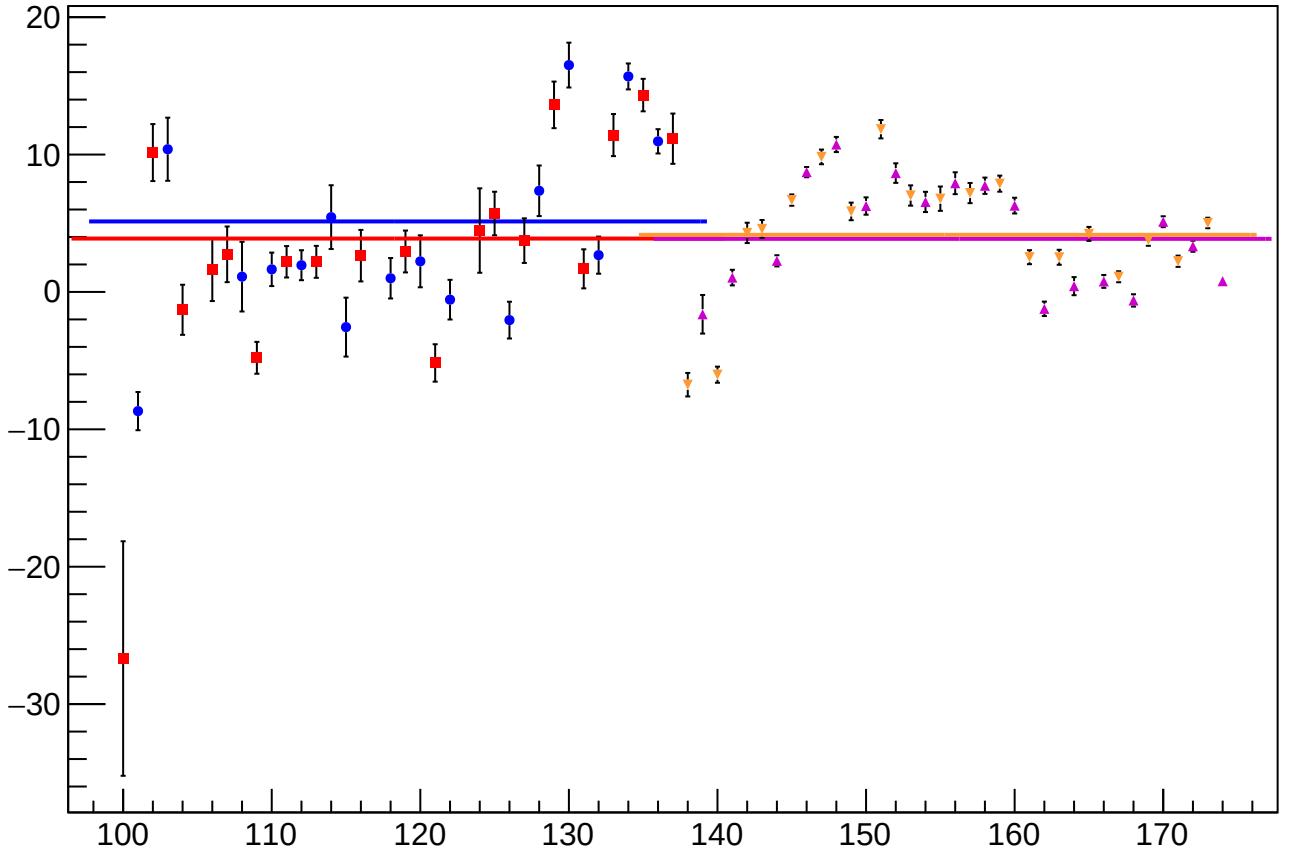
Left: -54.989+/-0.104 χ^2/NDF: 13786.0/36

Right: -76.801+/-0.231 χ^2/NDF: 1201.1/34

In: -57.518+/-0.132 χ^2/NDF:12133.2/33

Out: -59.898+/-0.137 χ^2/NDF:10078.1/37

All: -58.668+/-0.095 χ^2/NDF: 22367.9/71



Right In: 5.132+/-0.350 χ^2/NDF: 412.3/15

Left Out: 4.158+/-0.123 χ^2/NDF:940.7/18

Right Out: 3.885+/-0.361 χ^2/NDF: 291.5/18

Left In: 3.864+/-0.120 χ^2/NDF:889.1/17

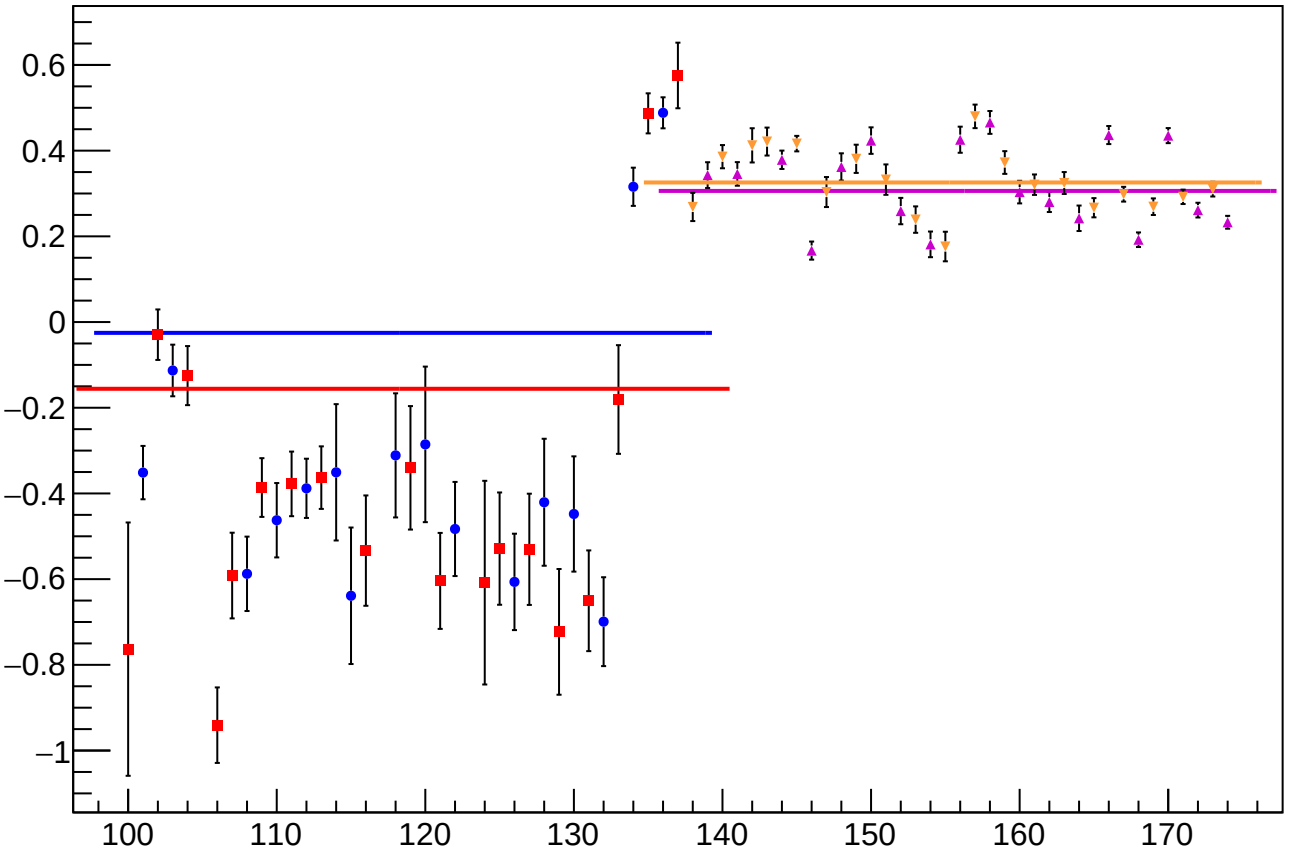
Left: 4.007+/-0.086 χ^2/NDF: 1832.7/36

Right: 4.529+/-0.251 χ^2/NDF: 710.0/34

In: 3.998+/-0.113 χ^2/NDF:1313.2/33

Out: 4.129+/-0.117 χ^2/NDF:1232.7/37

All: 4.062+/-0.081 χ^2/NDF: 2546.6/71



Right In: -0.025+/-0.019 χ^2/NDF: 512.5/15

Left Out: 0.326+/-0.006 χ^2/NDF:133.7/18

Right Out: -0.156+/-0.020 χ^2/NDF: 494.9/18

Left In: 0.306+/-0.005 χ^2/NDF:320.5/17

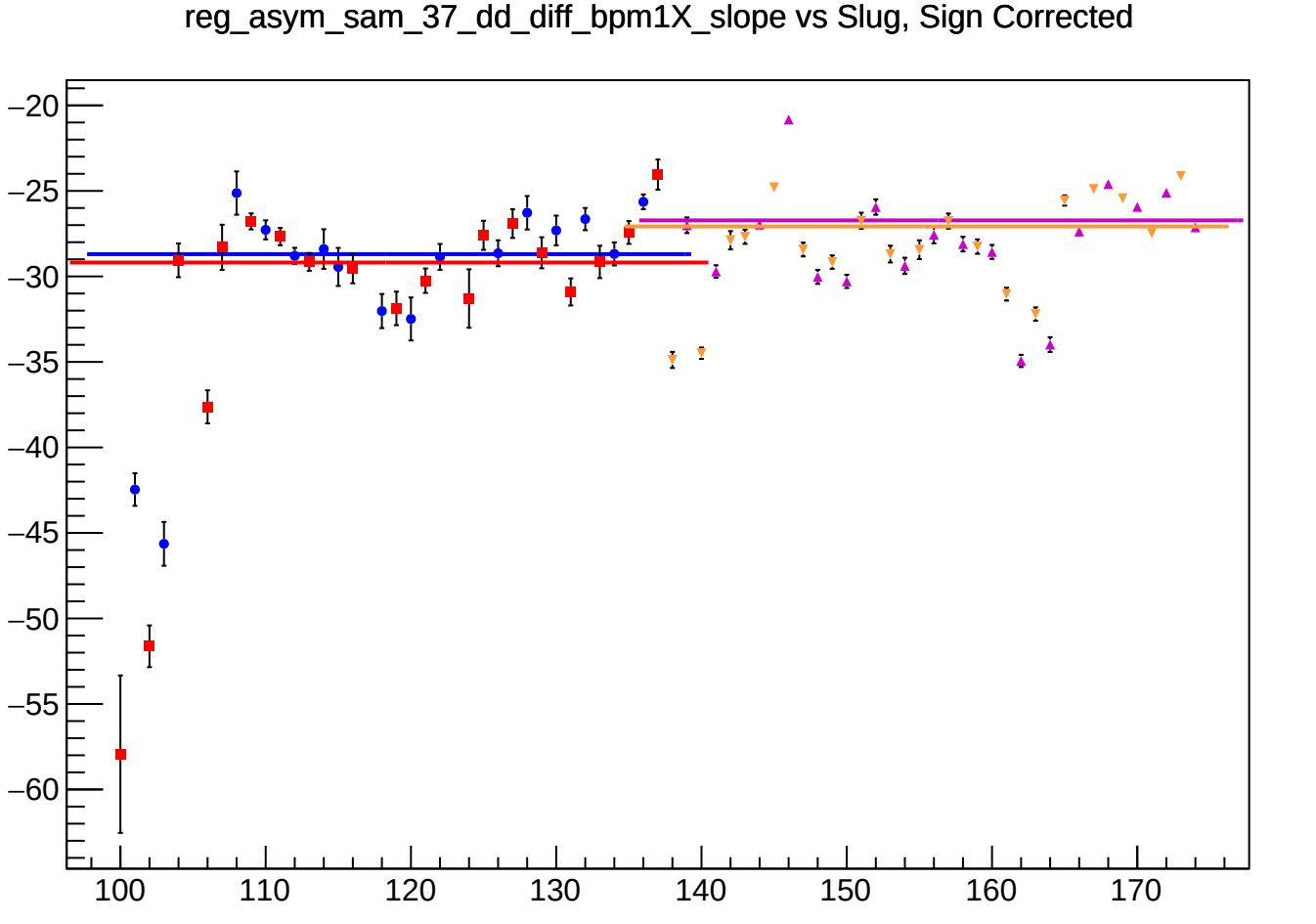
Left: 0.316+/-0.004 χ^2/NDF: 460.7/36

Right: -0.086+/-0.014 χ^2/NDF: 1029.5/34

In: 0.281+/-0.005 χ^2/NDF:1116.0/33

Out: 0.292+/-0.005 χ^2/NDF:1156.1/37

All: 0.286+/-0.004 χ^2/NDF: 2274.0/71



Right In: -28.698+/-0.186 χ^2/NDF: 487.3/15

Left Out: -27.077+/-0.073 χ^2/NDF:1613.9/18

Right Out: -29.189+/-0.181 χ^2/NDF: 557.3/18

Left In: -26.724+/-0.069 χ^2/NDF:2075.3/17

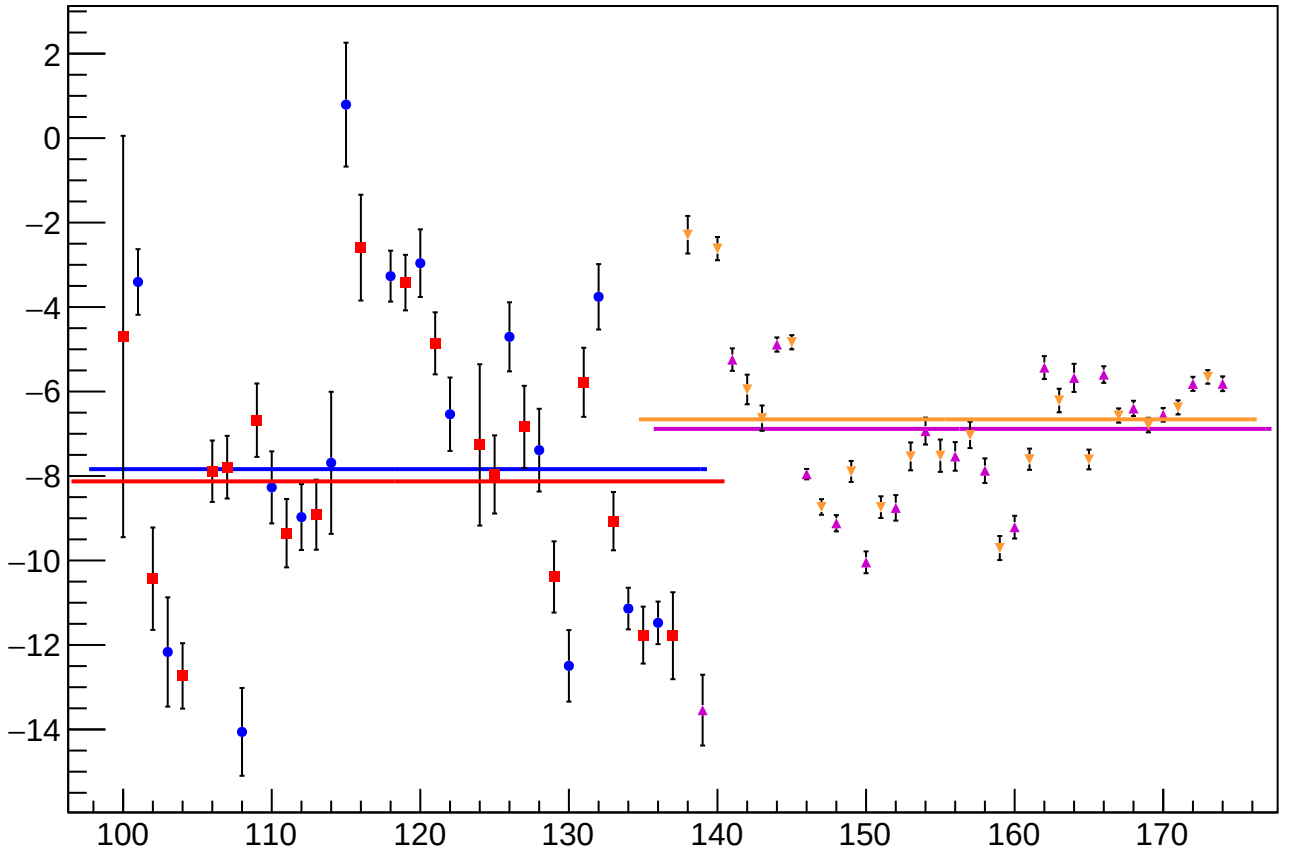
Left: -26.891+/-0.050 χ^2/NDF: 3701.5/36

Right: -28.950+/-0.130 χ^2/NDF: 1048.2/34

In: -26.965+/-0.065 χ^2/NDF:2661.7/33

Out: -27.373+/-0.068 χ^2/NDF:2288.0/37

All: -27.160+/-0.047 χ^2/NDF: 4968.5/71



Right In: -7.837+/-0.195 χ^2/NDF: 383.2/15

Left Out: -6.658+/-0.053 χ^2/NDF:854.1/18

Right Out: -8.127+/-0.197 χ^2/NDF: 197.3/18

Left In: -6.884+/-0.050 χ^2/NDF:903.8/17

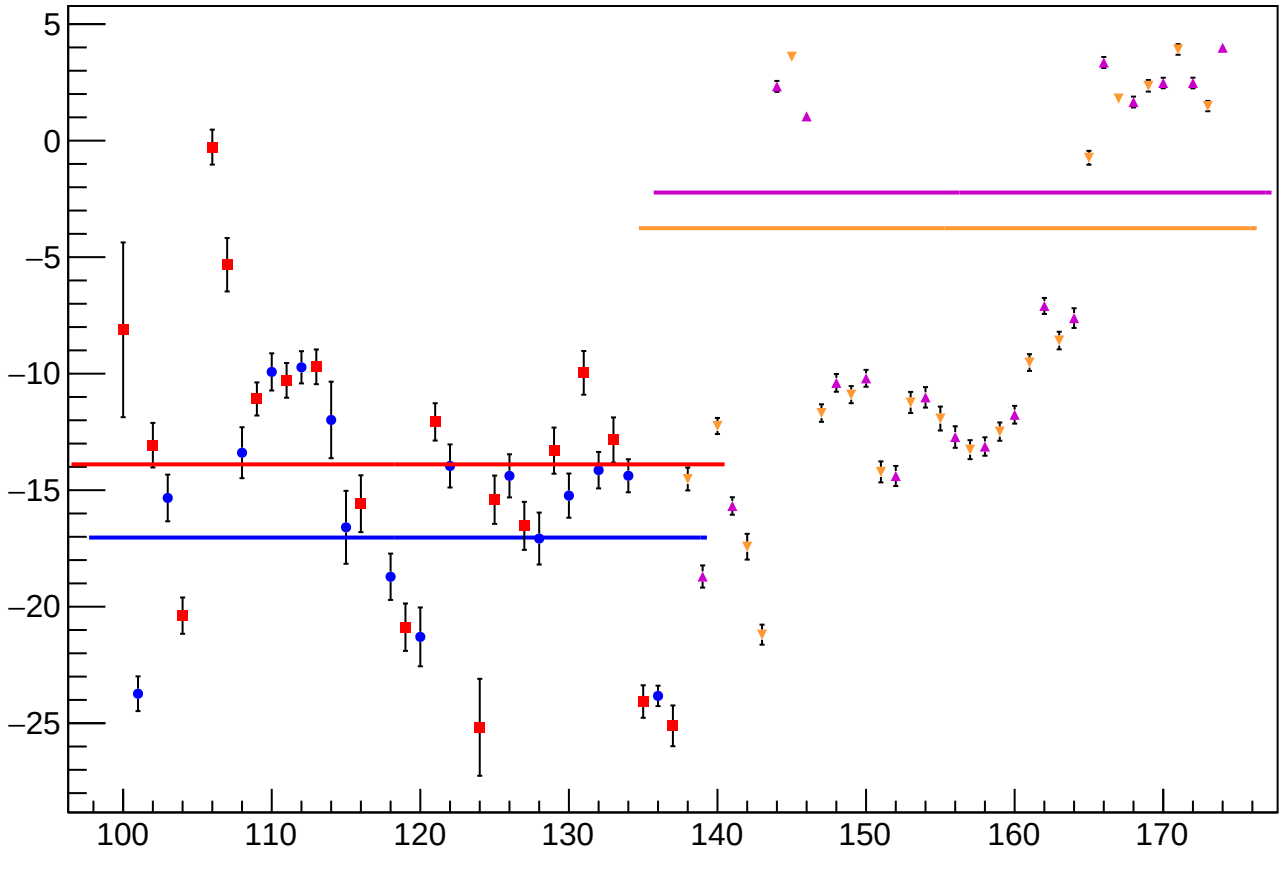
Left: -6.777+/-0.036 χ^2/NDF: 1767.6/36

Right: -7.981+/-0.138 χ^2/NDF: 581.6/34

In: -6.943+/-0.048 χ^2/NDF:1309.4/33

Out: -6.756+/-0.051 χ^2/NDF:1103.5/37

All: -6.854+/-0.035 χ^2/NDF: 2420.0/71



Right In: -17.033+/-0.209 χ^2/NDF: 601.2/15

Left Out: -3.758+/-0.073 χ^2/NDF:11001.8/18

Right Out: -13.892+/-0.209 χ^2/NDF: 1017.4/18

Left In: -2.227+/-0.069 χ^2/NDF:10046.0/17

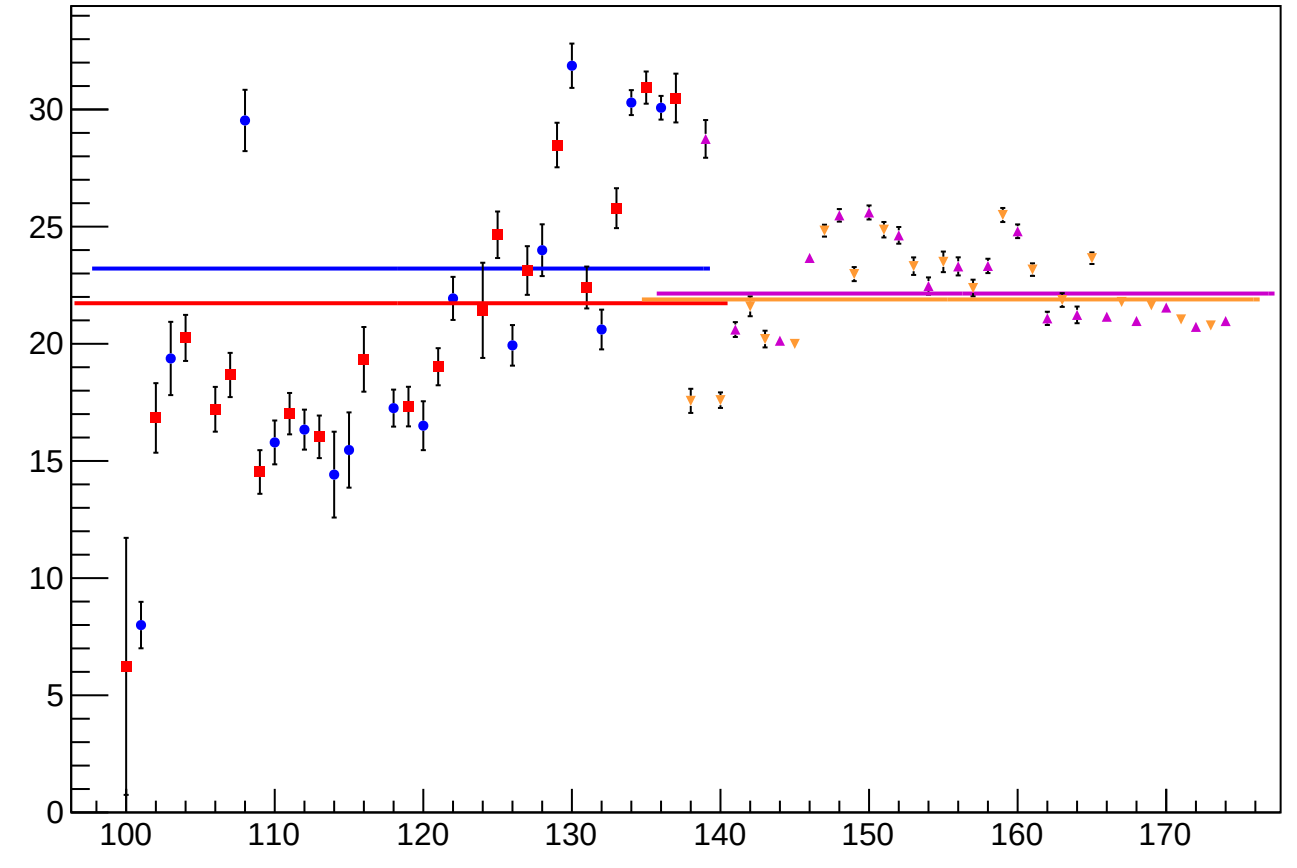
Left: -2.953+/-0.050 χ^2/NDF: 21279.6/36

Right: -15.462+/-0.148 χ^2/NDF: 1731.1/34

In: -3.687+/-0.066 χ^2/NDF:15154.8/33

Out: -4.855+/-0.069 χ^2/NDF:14109.2/37

All: -4.244+/-0.048 χ^2/NDF: 29414.6/71



Right In: 23.211+/-0.218 χ^2/NDF: 1008.2/15

Left Out: 21.893+/-0.060 χ^2/NDF:898.1/18

Right Out: 21.731+/-0.224 χ^2/NDF: 558.2/18

Left In: 22.145+/-0.057 χ^2/NDF:922.7/17

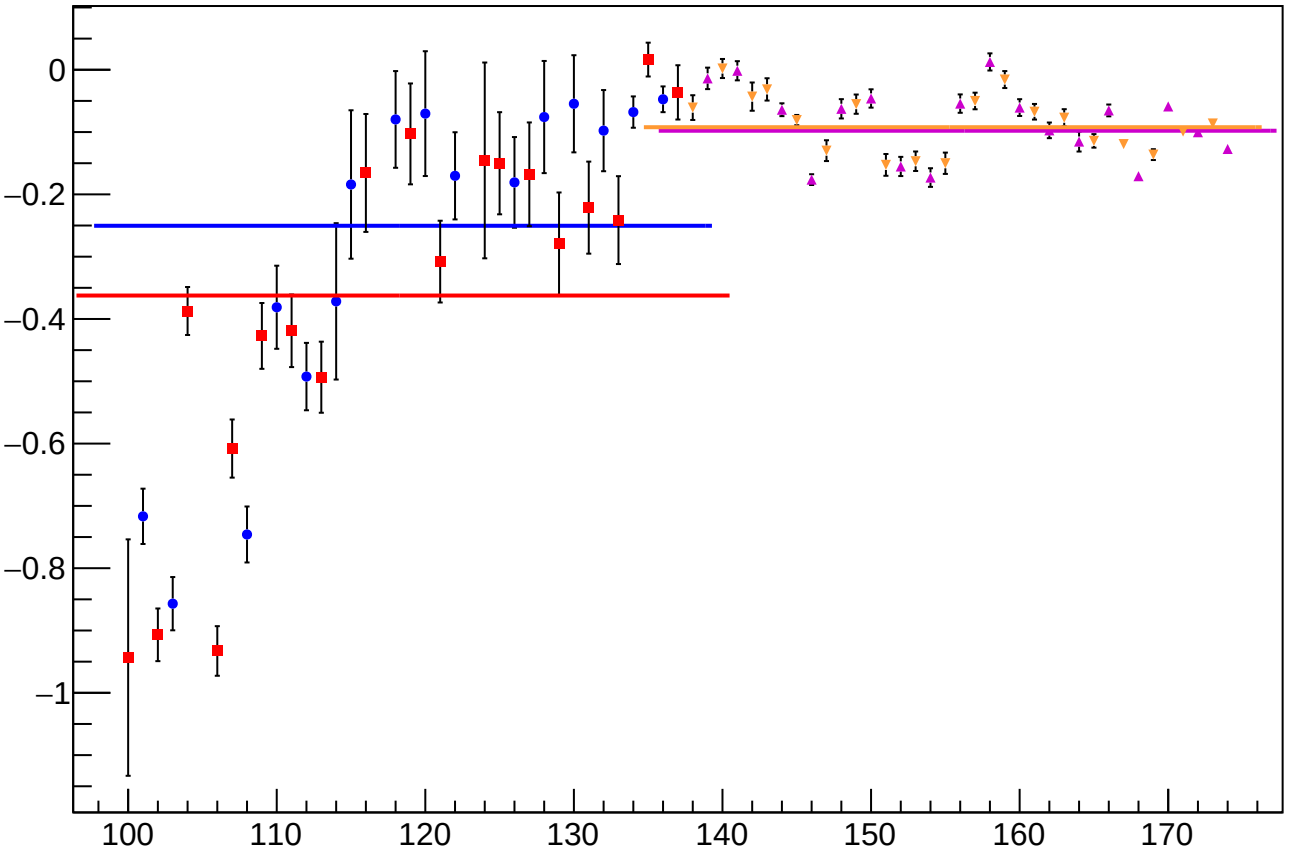
Left: 22.024+/-0.041 χ^2/NDF: 1830.1/36

Right: 22.492+/-0.156 χ^2/NDF: 1588.8/34

In: 22.213+/-0.055 χ^2/NDF:1953.3/33

Out: 21.882+/-0.058 χ^2/NDF:1456.9/37

All: 22.055+/-0.040 χ^2/NDF: 3427.3/71



Right In: -0.250+/-0.012 χ^2/NDF: 633.5/15

Left Out: -0.092+/-0.003 χ^2/NDF:194.4/18

Right Out: -0.362+/-0.012 χ^2/NDF: 704.3/18

Left In: -0.098+/-0.003 χ^2/NDF:430.3/17

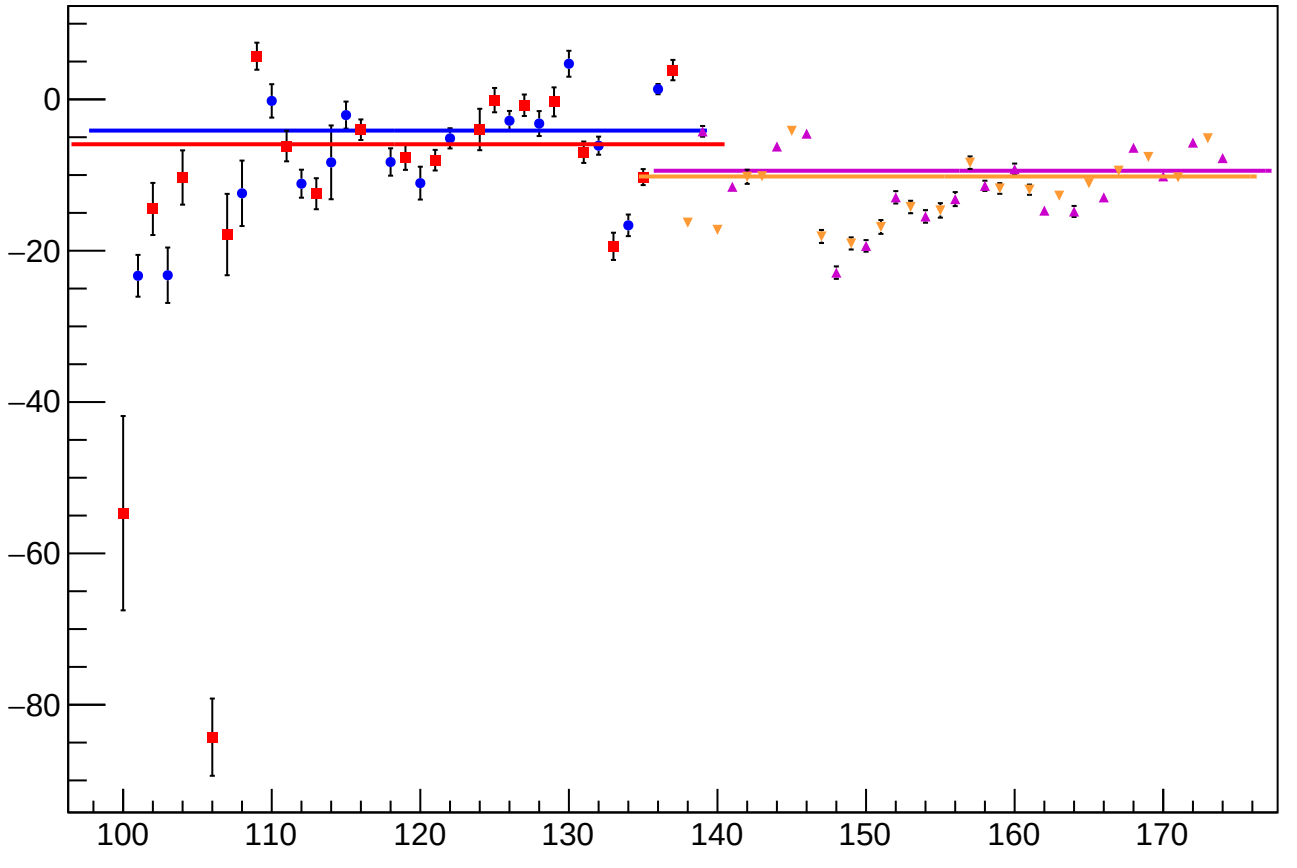
Left: -0.095+/-0.002 χ^2/NDF: 627.0/36

Right: -0.303+/-0.008 χ^2/NDF: 1381.3/34

In: -0.105+/-0.003 χ^2/NDF:1227.0/33

Out: -0.104+/-0.003 χ^2/NDF:1355.8/37

All: -0.105+/-0.002 χ^2/NDF: 2582.9/71



Right In: -4.124+/-0.382 χ^2/NDF: 287.9/15

Left Out: -10.192+/-0.131 χ^2/NDF:1051.7/18

Right Out: -5.930+/-0.408 χ^2/NDF: 482.6/18

Left In: -9.432+/-0.125 χ^2/NDF:1159.8/17

Left: -9.795+/-0.090 χ^2/NDF: 2229.2/36

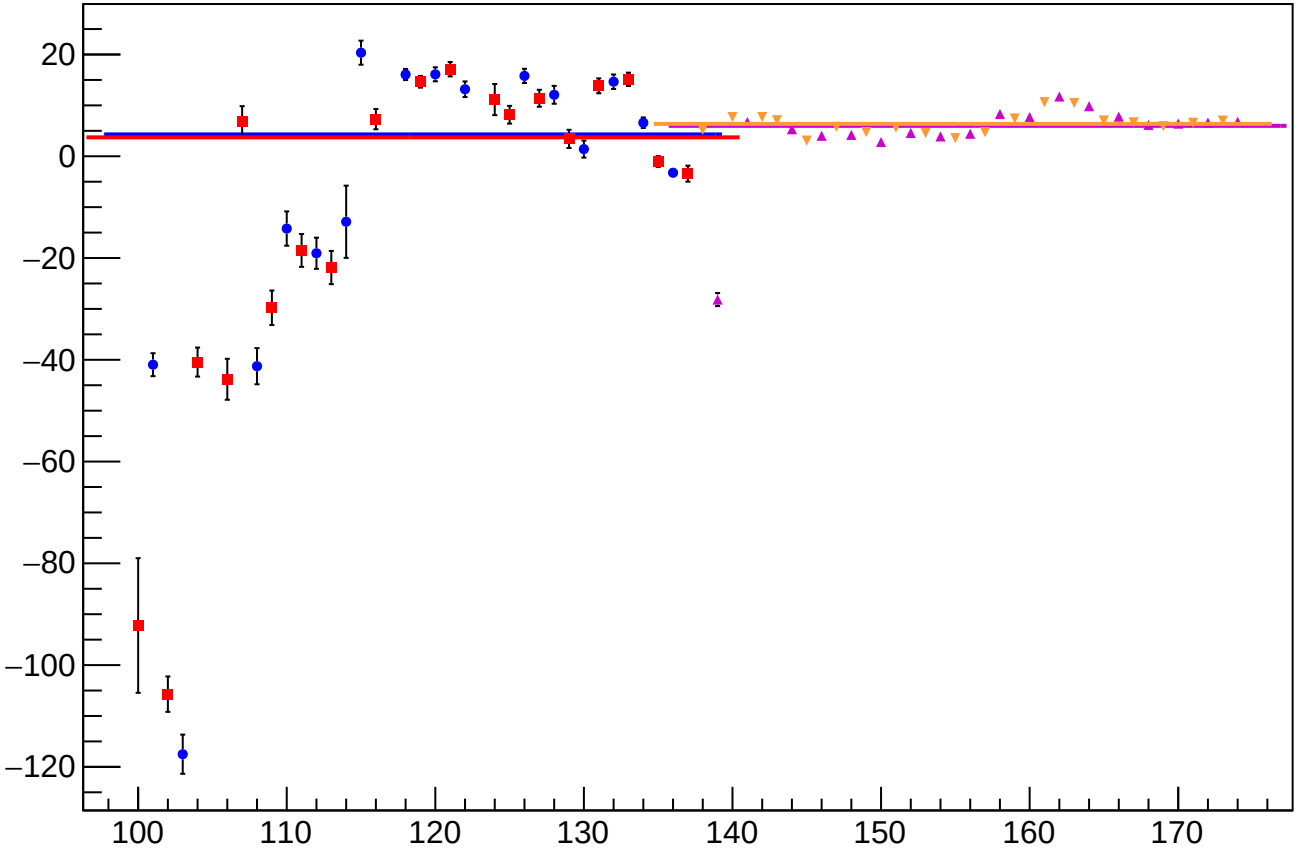
Right: -4.968+/-0.279 χ^2/NDF: 781.0/34

In: -8.920+/-0.119 χ^2/NDF:1622.4/33

Out: -9.795+/-0.124 χ^2/NDF:1633.5/37

All: -9.337+/-0.086 χ^2/NDF: 3281.8/71

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.292+/-0.385 χ^2/NDF: 2169.1/15

Left Out: 6.365+/-0.095 χ^2/NDF:375.1/18

Right Out: 3.717+/-0.423 χ^2/NDF: 2007.2/18

Left In: 5.981+/-0.092 χ^2/NDF:1143.2/17

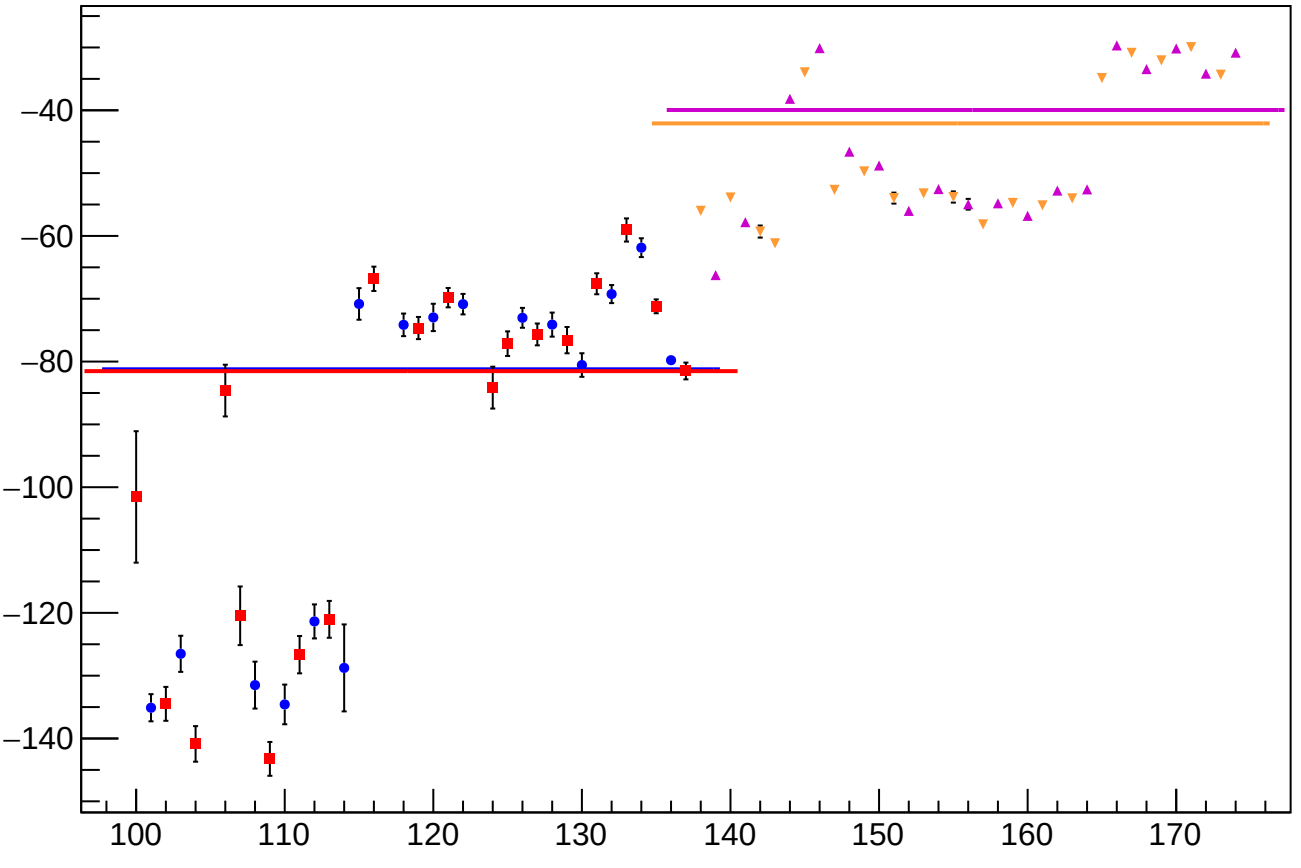
Left: 6.166+/-0.066 χ^2/NDF: 1526.7/36

Right: 4.031+/-0.285 χ^2/NDF: 4177.4/34

In: 5.890+/-0.089 χ^2/NDF:3330.5/33

Out: 6.238+/-0.092 χ^2/NDF:2419.7/37

All: 6.058+/-0.064 χ^2/NDF: 5757.5/71



Right In: -81.231+/-0.417 χ^2/NDF: 1971.1/15

Left Out: -42.087+/-0.130 χ^2/NDF:7493.8/18

Right Out: -81.523+/-0.462 χ^2/NDF: 2293.2/18

Left In: -39.955+/-0.125 χ^2/NDF:8074.4/17

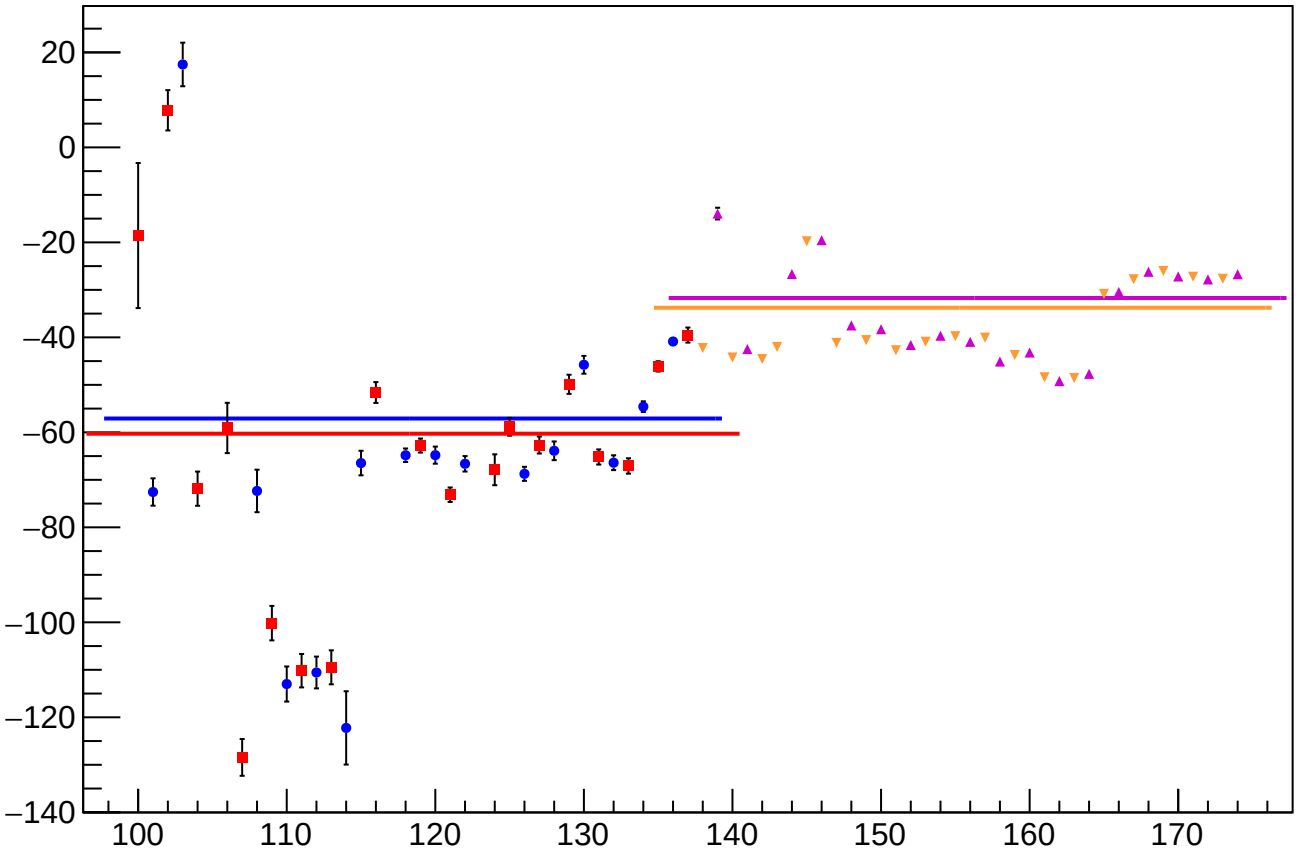
Left: -40.974+/-0.090 χ^2/NDF: 15707.8/36

Right: -81.362+/-0.309 χ^2/NDF: 4264.5/34

In: -43.350+/-0.120 χ^2/NDF:19044.5/33

Out: -45.002+/-0.125 χ^2/NDF:16546.3/37

All: -44.136+/-0.087 χ^2/NDF: 35681.6/71



Right In: -57.089+/-0.426 χ^2/NDF: 1526.8/15

Left Out: -33.766+/-0.107 χ^2/NDF:7172.3/18

Right Out: -60.287+/-0.470 χ^2/NDF: 1587.9/18

Left In: -31.713+/-0.104 χ^2/NDF:7246.7/17

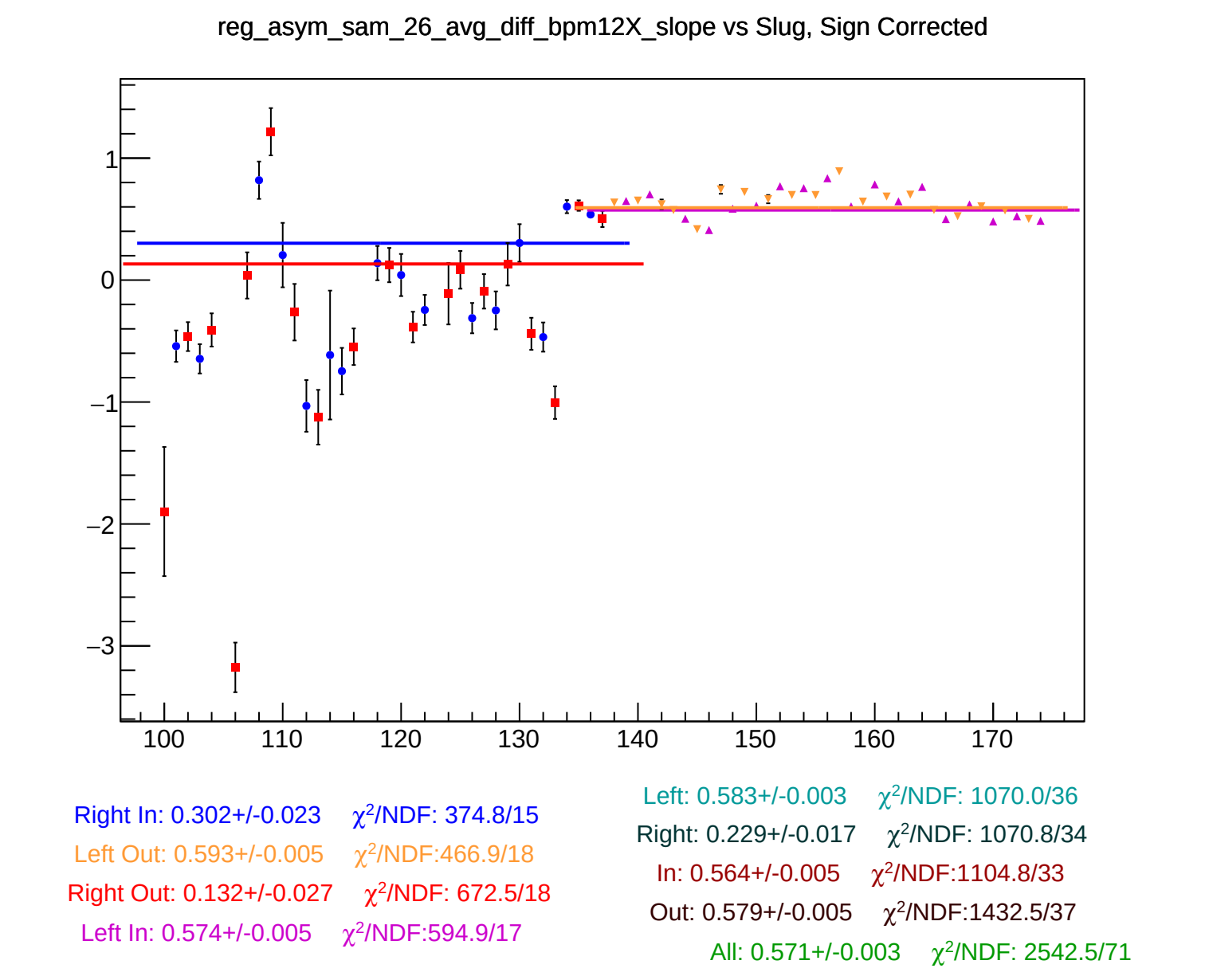
Left: -32.707+/-0.075 χ^2/NDF: 14608.6/36

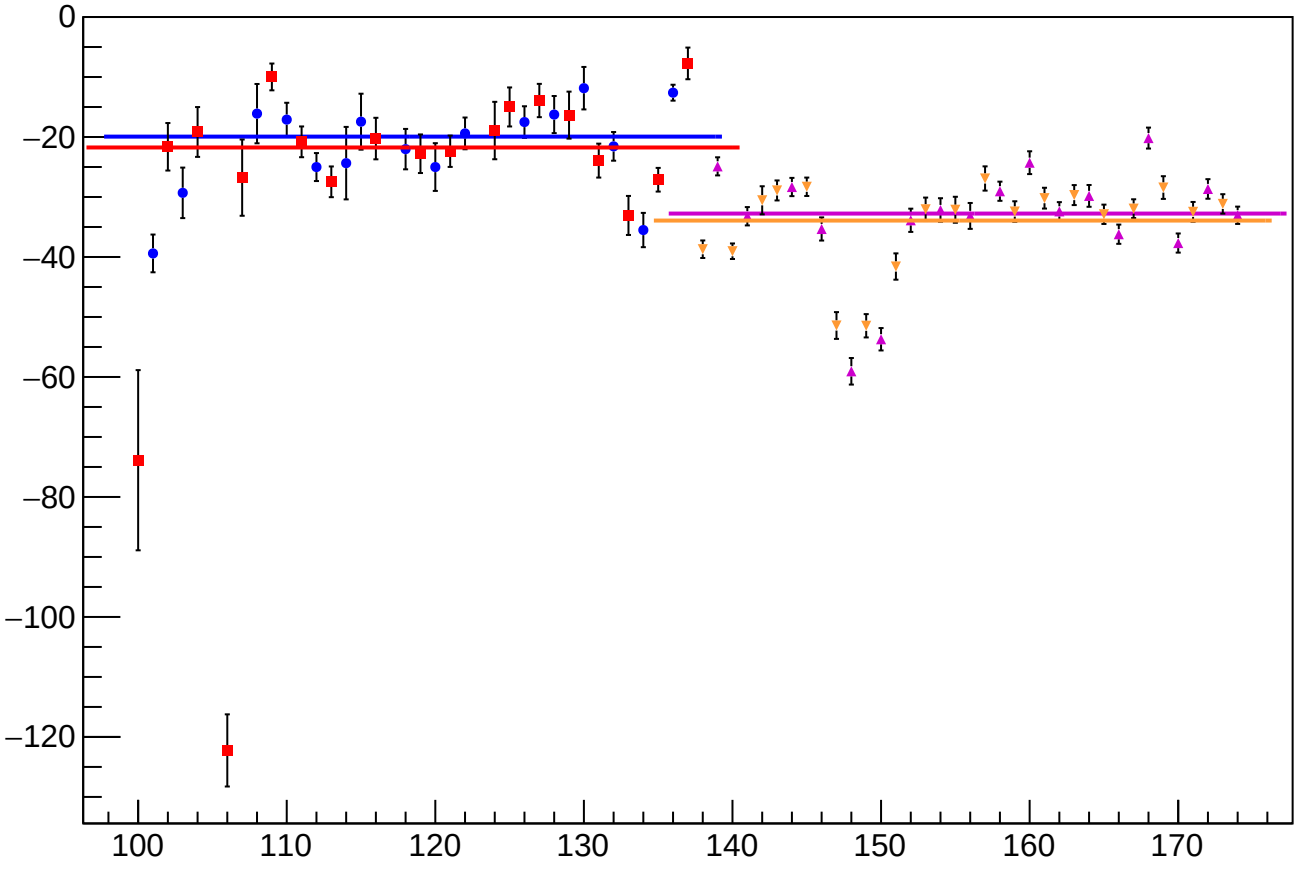
Right: -58.530+/-0.316 χ^2/NDF: 3140.1/34

In: -33.136+/-0.101 χ^2/NDF:12127.1/33

Out: -35.075+/-0.104 χ^2/NDF:11786.7/37

All: -34.072+/-0.073 χ^2/NDF: 24092.4/71


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: 0.593+/-0.005 χ²/NDF:466.9/18
Right Out: 0.132+/-0.027 χ²/NDF: 672.5/18
Left In: 0.574+/-0.005 χ²/NDF:594.9/17
Left: 0.583+/-0.003 χ²/NDF: 1070.0/36
Right: 0.229+/-0.017 χ²/NDF: 1070.8/34
In: 0.564+/-0.005 χ²/NDF:1104.8/33
Out: 0.579+/-0.005 χ²/NDF:1432.5/37
All: 0.571+/-0.003 χ²/NDF: 2542.5/71



Right In: -19.935+/-0.695 χ^2/NDF: 120.6/15

Left Out: -33.928+/-0.399 χ^2/NDF:245.8/18

Right Out: -21.746+/-0.714 χ^2/NDF: 388.3/18

Left In: -32.762+/-0.403 χ^2/NDF:405.4/17

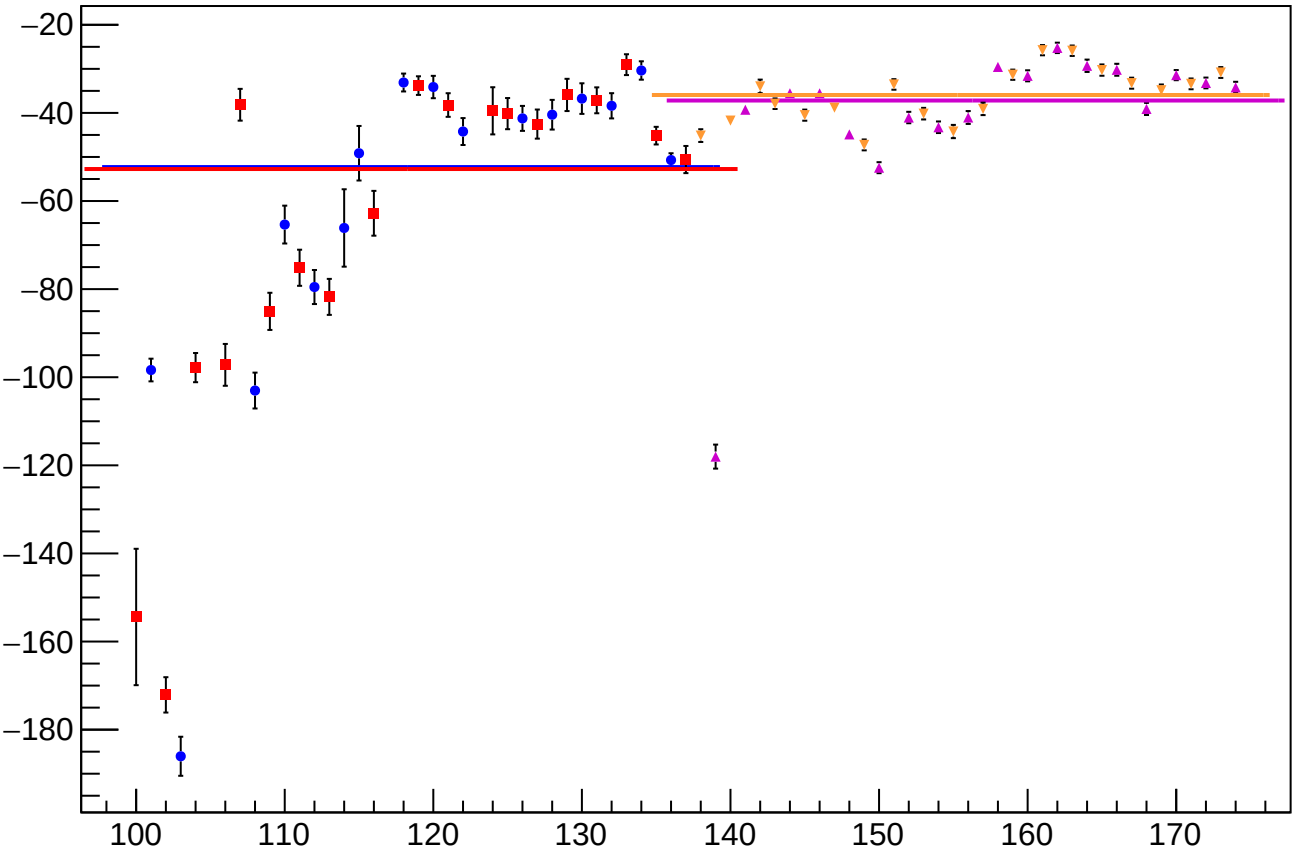
Left: -33.350+/-0.283 χ^2/NDF: 655.4/36

Right: -20.816+/-0.498 χ^2/NDF: 512.2/34

In: -29.535+/-0.348 χ^2/NDF:781.0/33

Out: -31.027+/-0.348 χ^2/NDF:856.1/37

All: -30.282+/-0.246 χ^2/NDF: 1646.3/71



Right In: -52.296+/-0.708 χ^2/NDF: 1778.2/15

Left Out: -35.933+/-0.286 χ^2/NDF:439.2/18

Right Out: -52.737+/-0.748 χ^2/NDF: 1662.5/18

Left In: -37.187+/-0.295 χ^2/NDF:1398.1/17

Left: -36.540+/-0.205 χ^2/NDF: 1846.6/36

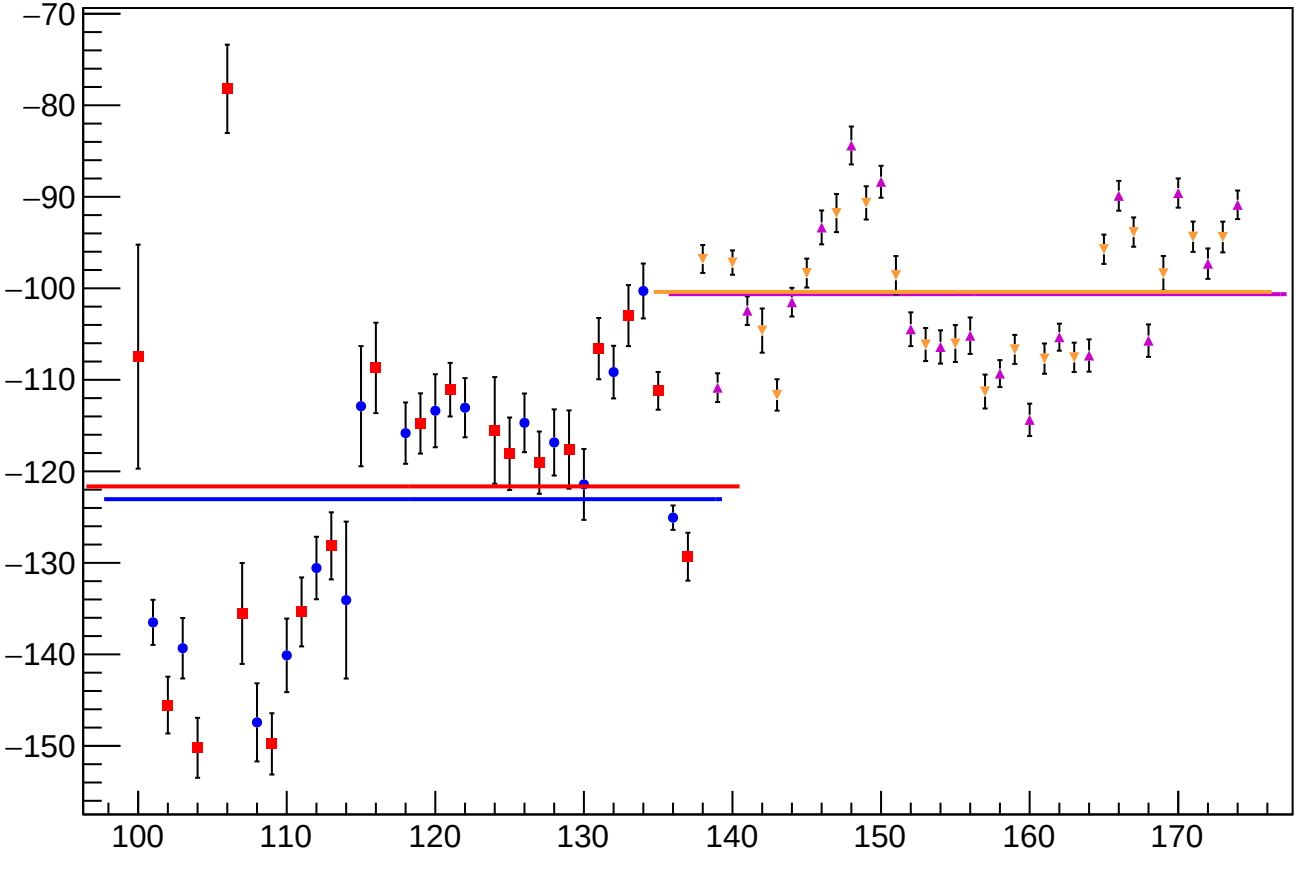
Right: -52.505+/-0.514 χ^2/NDF: 3440.9/34

In: -39.421+/-0.272 χ^2/NDF:3564.3/33

Out: -38.072+/-0.267 χ^2/NDF:2541.9/37

All: -38.733+/-0.191 χ^2/NDF: 6118.7/71

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -123.039+/-0.750 χ^2/NDF: 226.8/15

Left Out: -100.397+/-0.394 χ^2/NDF:265.6/18

Right Out: -121.646+/-0.801 χ^2/NDF: 424.5/18

Left In: -100.641+/-0.397 χ^2/NDF:452.5/17

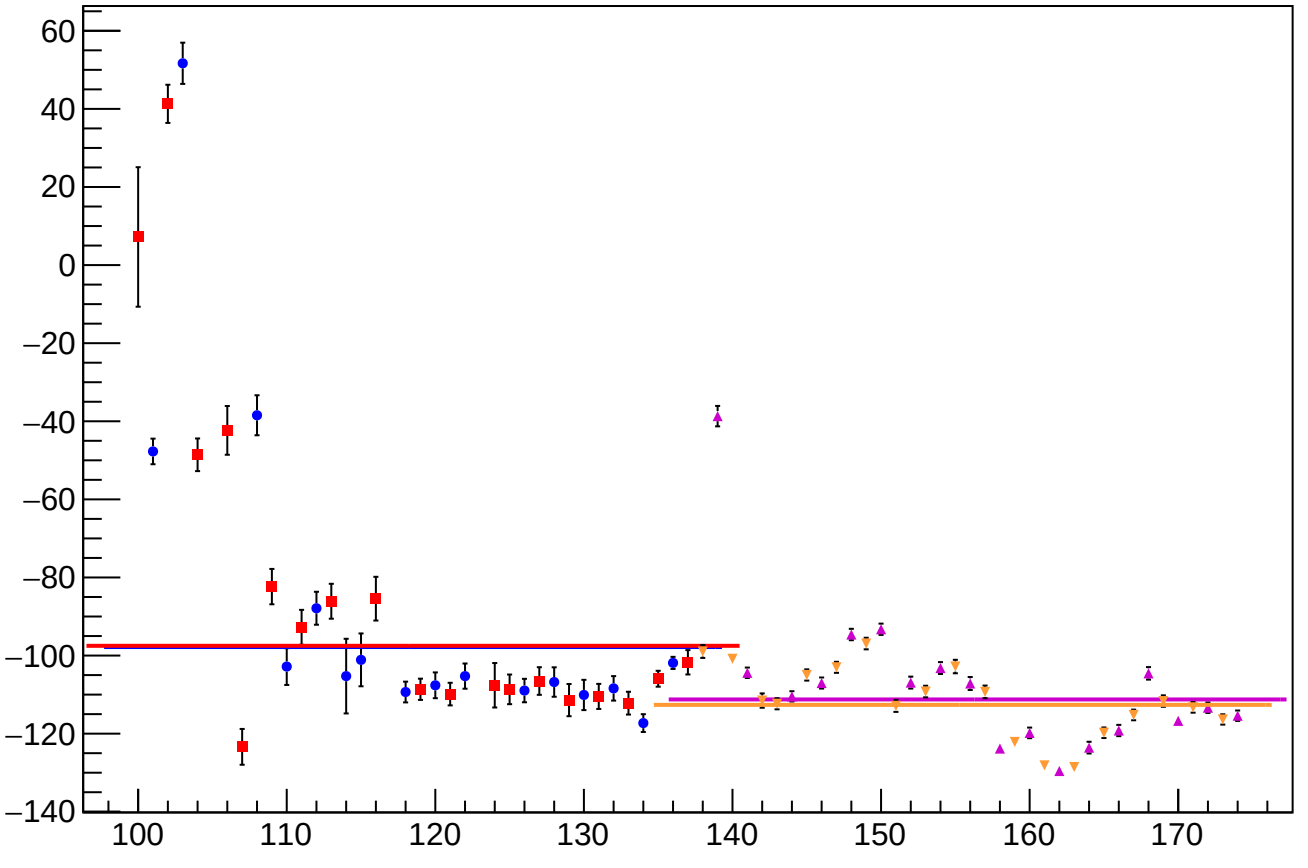
Left: -100.518+/-0.280 χ^2/NDF: 718.3/36

Right: -122.388+/-0.548 χ^2/NDF: 652.9/34

In: -105.545+/-0.351 χ^2/NDF:1375.9/33

Out: -104.534+/-0.354 χ^2/NDF:1256.5/37

All: -105.043+/-0.249 χ^2/NDF: 2636.5/71



Right In: -97.814+/-0.793 χ^2/NDF: 1330.8/15

Left Out: -112.629+/-0.326 χ^2/NDF:800.6/18

Right Out: -97.504+/-0.843 χ^2/NDF: 1236.4/18

Left In: -111.239+/-0.333 χ^2/NDF:1662.0/17

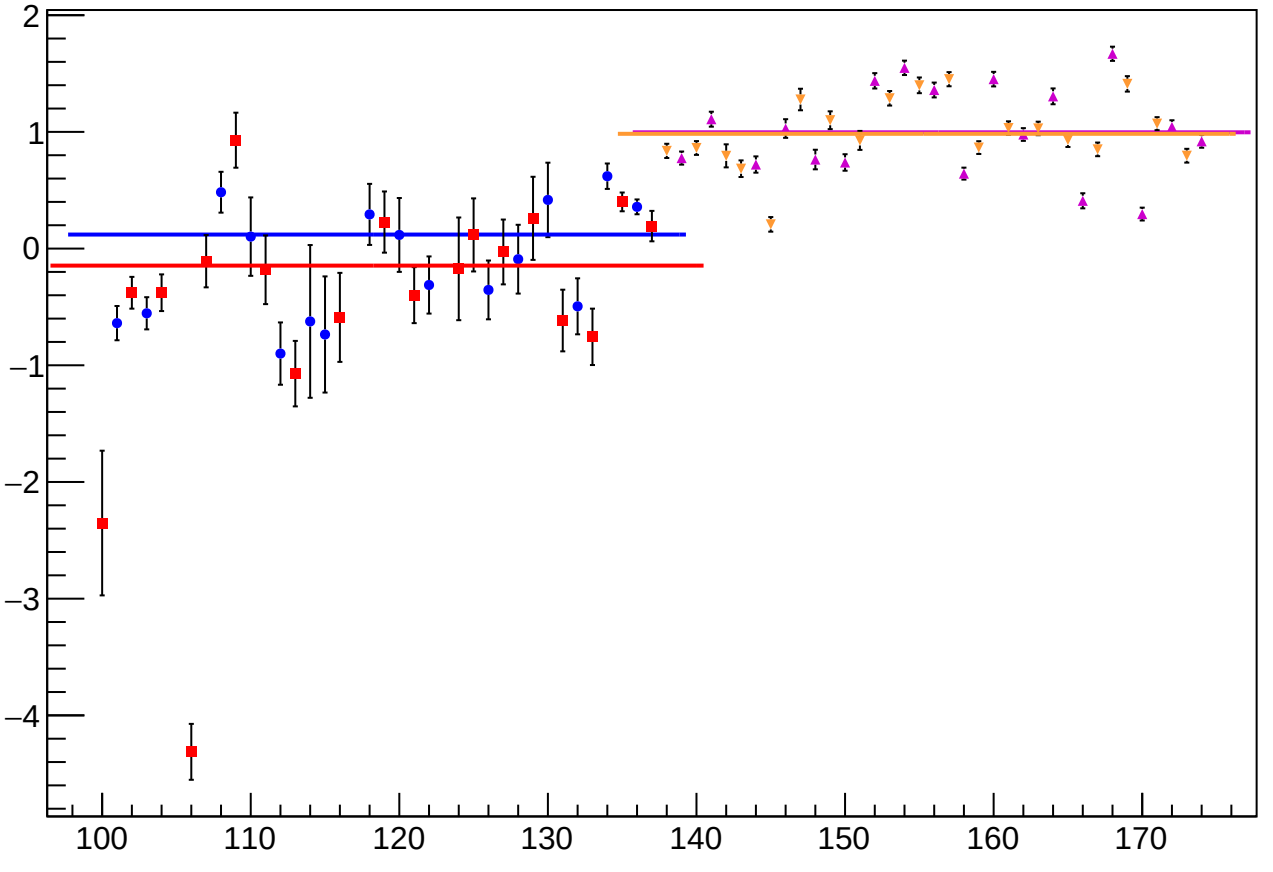
Left: -111.950+/-0.233 χ^2/NDF: 2471.5/36

Right: -97.668+/-0.578 χ^2/NDF: 2567.3/34

In: -109.223+/-0.307 χ^2/NDF:3236.4/33

Out: -110.660+/-0.304 χ^2/NDF:2317.3/37

All: -109.949+/-0.216 χ^2/NDF: 5564.7/71



Right In: 0.120+/-0.041 χ^2/NDF: 123.9/15

Left Out: 0.983+/-0.015 χ^2/NDF:385.6/18

Right Out: -0.146+/-0.045 χ^2/NDF: 421.0/18

Left In: 0.996+/-0.015 χ^2/NDF:703.4/17

Left: 0.990+/-0.010 χ^2/NDF: 1089.4/36

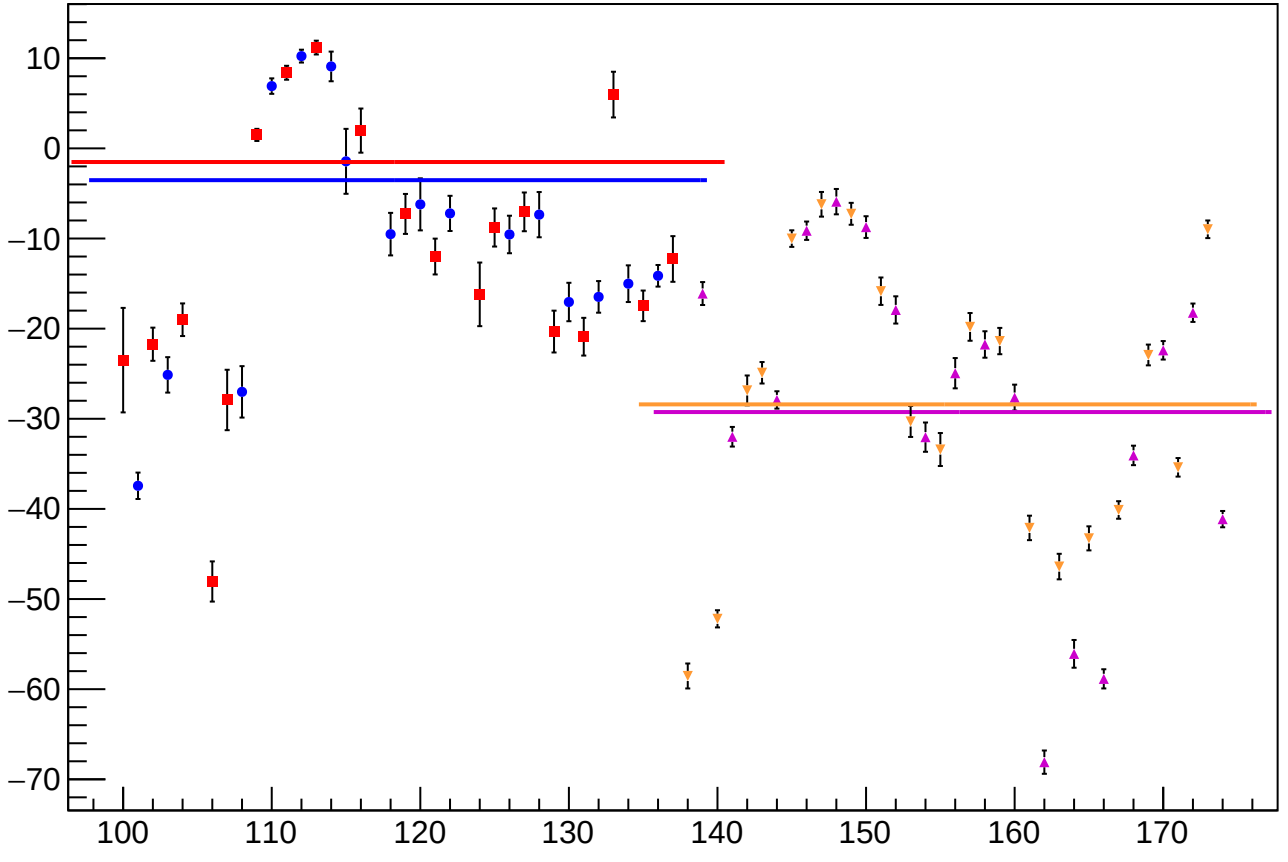
Right: -0.002+/-0.030 χ^2/NDF: 563.9/34

In: 0.898+/-0.014 χ^2/NDF:1228.6/33

Out: 0.874+/-0.014 χ^2/NDF:1378.6/37

All: 0.886+/-0.010 χ^2/NDF: 2608.7/71

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.527+/-0.377 χ^2/NDF: 1529.1/15

Left Out: -28.403+/-0.283 χ^2/NDF:3197.7/18

Right Out: -1.513+/-0.338 χ^2/NDF: 1524.7/18

Left In: -29.254+/-0.281 χ^2/NDF:3498.7/17

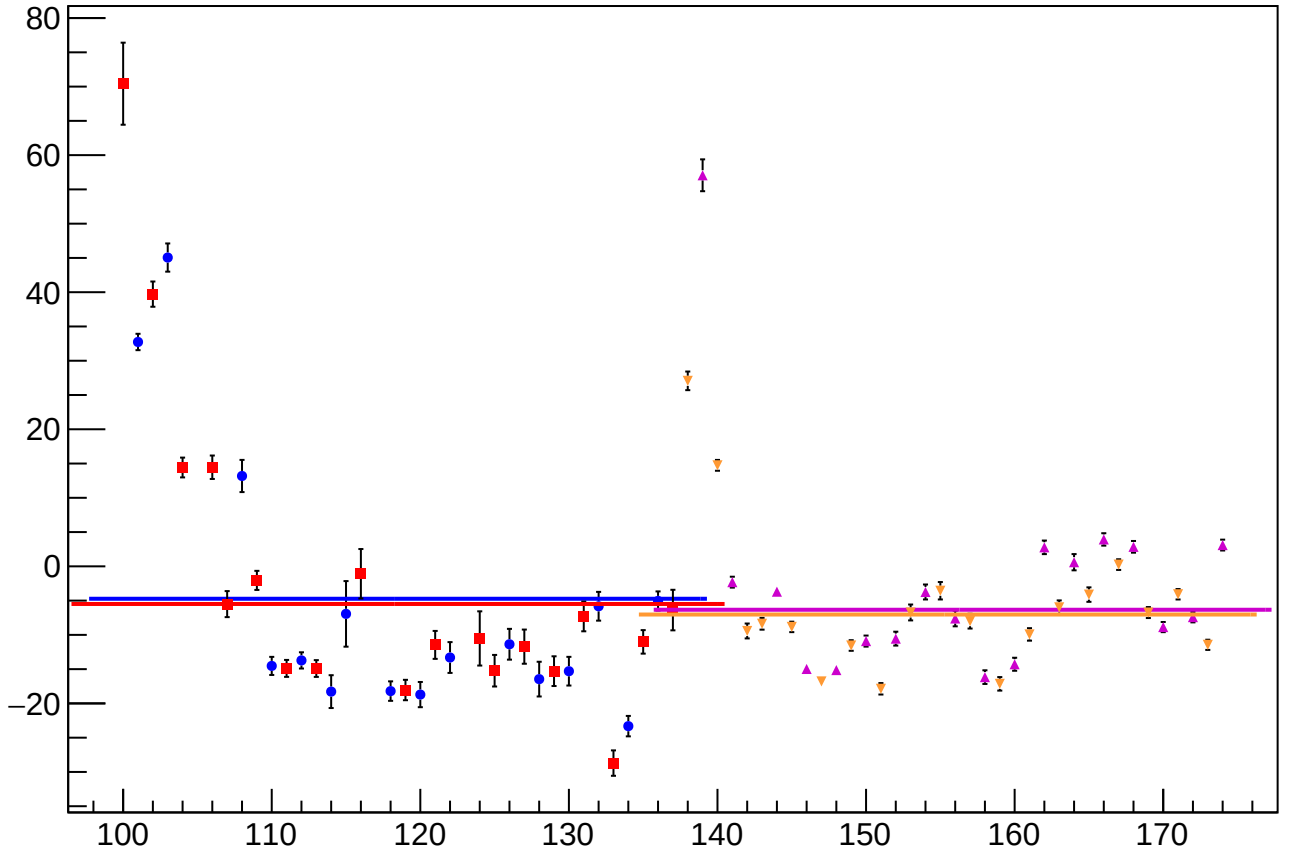
Left: -28.833+/-0.199 χ^2/NDF: 6700.9/36

Right: -2.413+/-0.252 χ^2/NDF: 3069.7/34

In: -20.078+/-0.225 χ^2/NDF:8027.5/33

Out: -17.317+/-0.217 χ^2/NDF:8432.2/37

All: -18.650+/-0.156 χ^2/NDF: 16537.7/71



Right In: -4.729+/-0.431 χ^2/NDF: 2148.0/15

Left Out: -7.031+/-0.201 χ^2/NDF:2110.3/18

Right Out: -5.491+/-0.422 χ^2/NDF: 1508.6/18

Left In: -6.334+/-0.203 χ^2/NDF:1896.8/17

Left: -6.685+/-0.143 χ^2/NDF: 4013.1/36

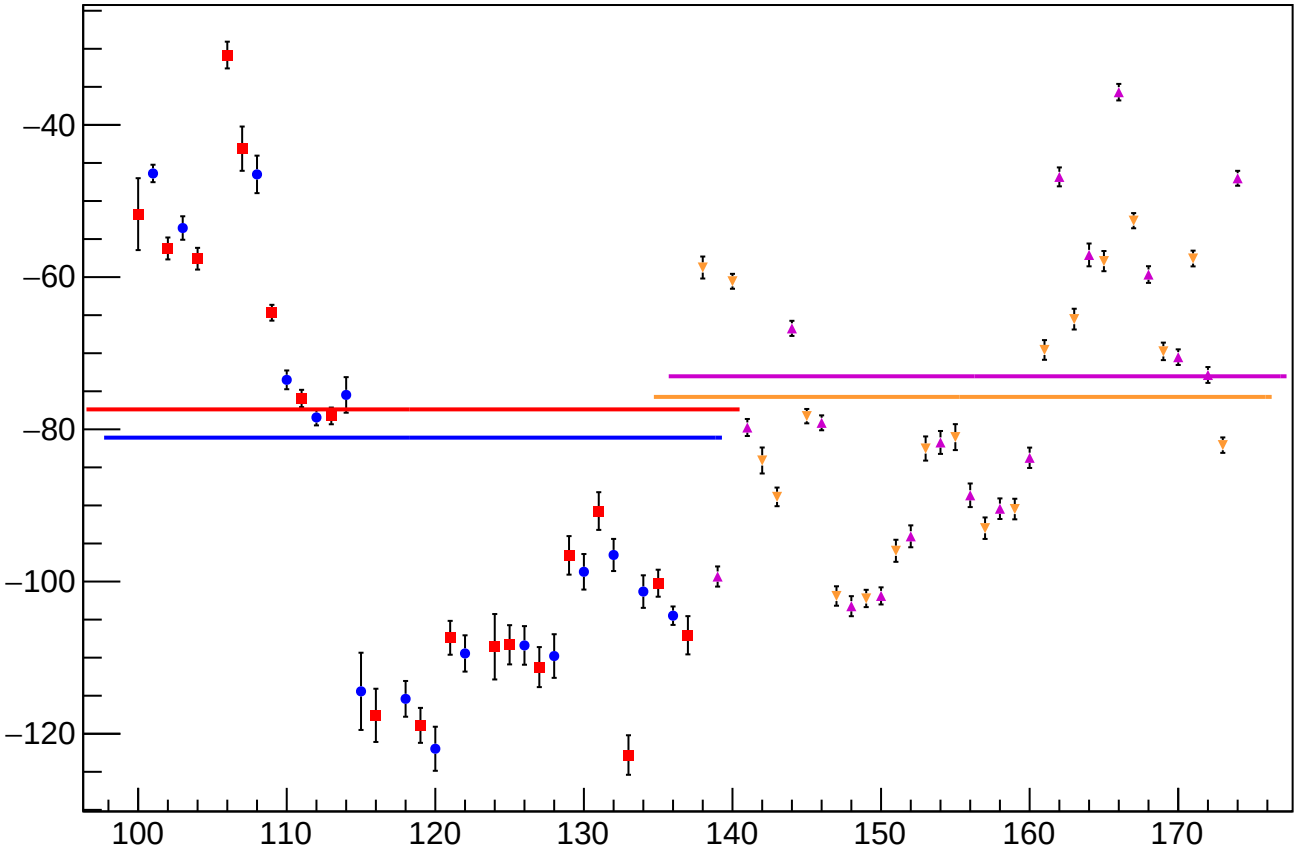
Right: -5.118+/-0.302 χ^2/NDF: 3658.1/34

In: -6.042+/-0.184 χ^2/NDF:4056.1/33

Out: -6.746+/-0.182 χ^2/NDF:3629.7/37

All: -6.398+/-0.129 χ^2/NDF: 7693.3/71

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -81.091+/-0.438 χ^2/NDF: 2870.3/15

Left Out: -75.739+/-0.281 χ^2/NDF:3150.8/18

Right Out: -77.379+/-0.417 χ^2/NDF: 3129.7/18

Left In: -73.030+/-0.278 χ^2/NDF:4873.8/17

Left: -74.371+/-0.198 χ^2/NDF: 8071.5/36

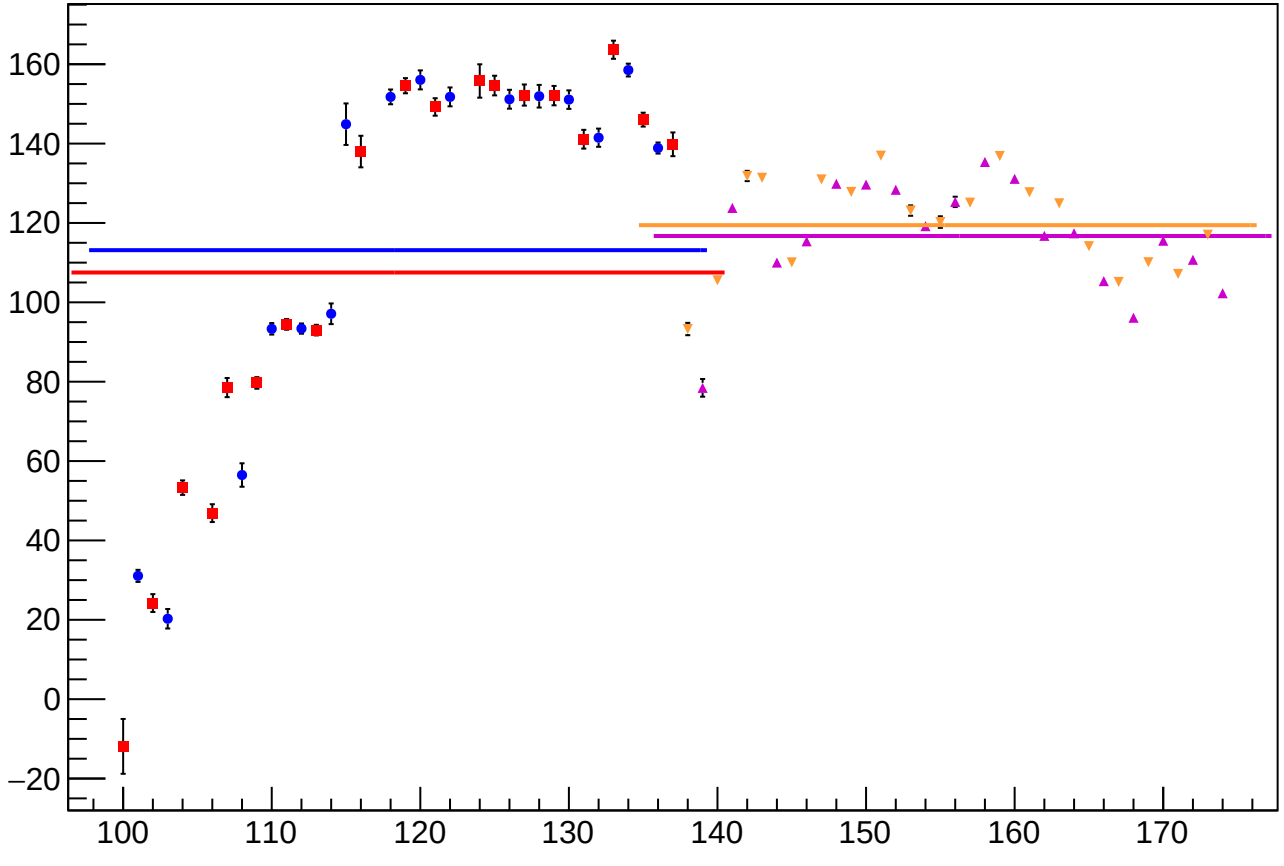
Right: -79.142+/-0.302 χ^2/NDF: 6037.6/34

In: -75.344+/-0.235 χ^2/NDF:7985.2/33

Out: -76.251+/-0.233 χ^2/NDF:6291.1/37

All: -75.801+/-0.165 χ^2/NDF: 14283.9/71

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.143+/-0.489 χ^2/NDF: 8204.1/15

Left Out: 119.444+/-0.231 χ^2/NDF:2413.8/18

Right Out: 107.515+/-0.479 χ^2/NDF: 7544.0/18

Left In: 116.715+/-0.232 χ^2/NDF:2388.9/17

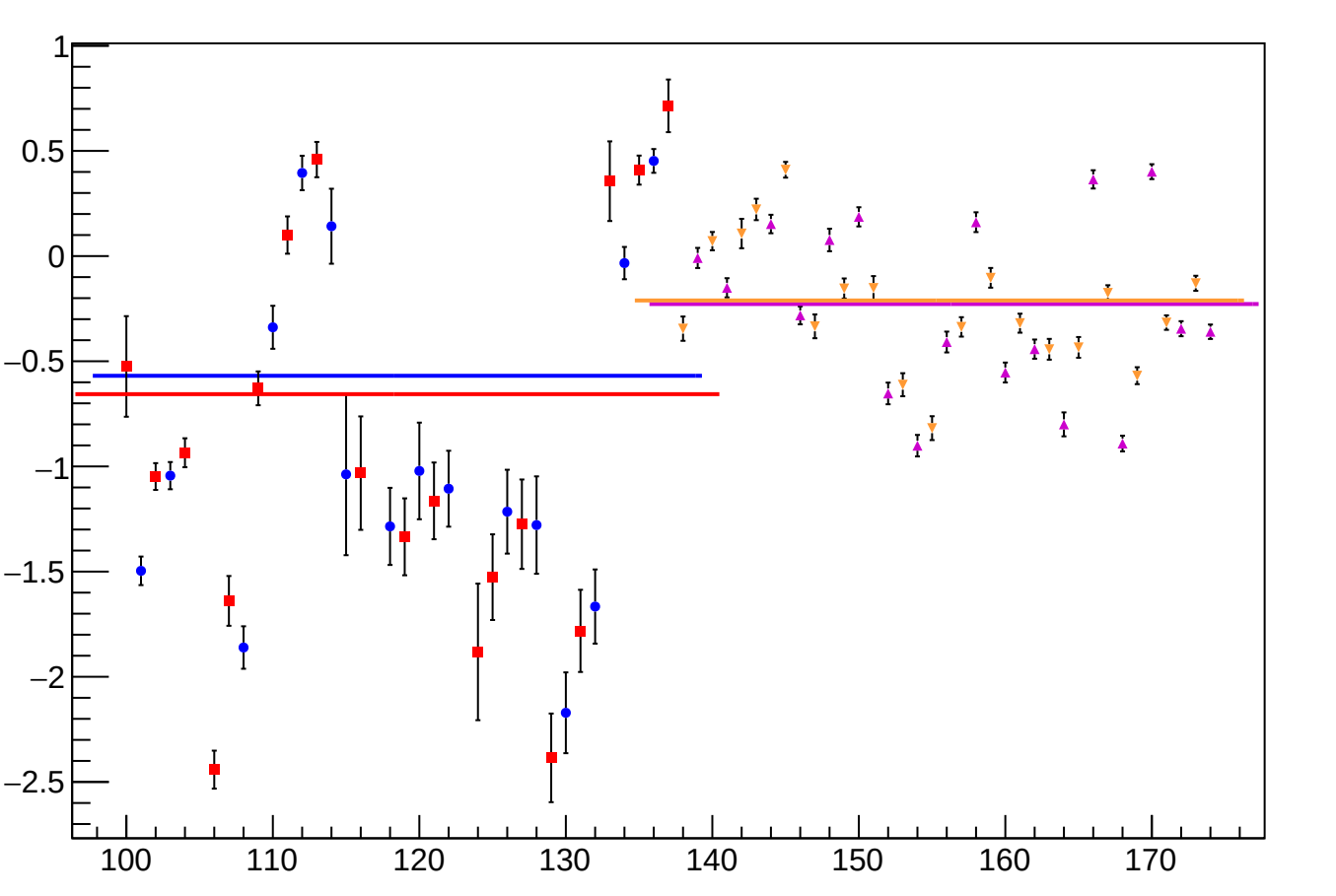
Left: 118.084+/-0.164 χ^2/NDF: 4872.3/36

Right: 110.273+/-0.342 χ^2/NDF: 15815.7/34

In: 116.059+/-0.209 χ^2/NDF:10636.5/33

Out: 117.195+/-0.208 χ^2/NDF:10460.4/37

All: 116.631+/-0.148 χ^2/NDF: 21111.7/71



Right In: -0.569+/-0.026 χ^2/NDF: 1097.4/15

Left Out: -0.211+/-0.010 χ^2/NDF:747.2/18

Right Out: -0.656+/-0.025 χ^2/NDF: 1315.2/18

Left In: -0.228+/-0.010 χ^2/NDF:1550.9/17

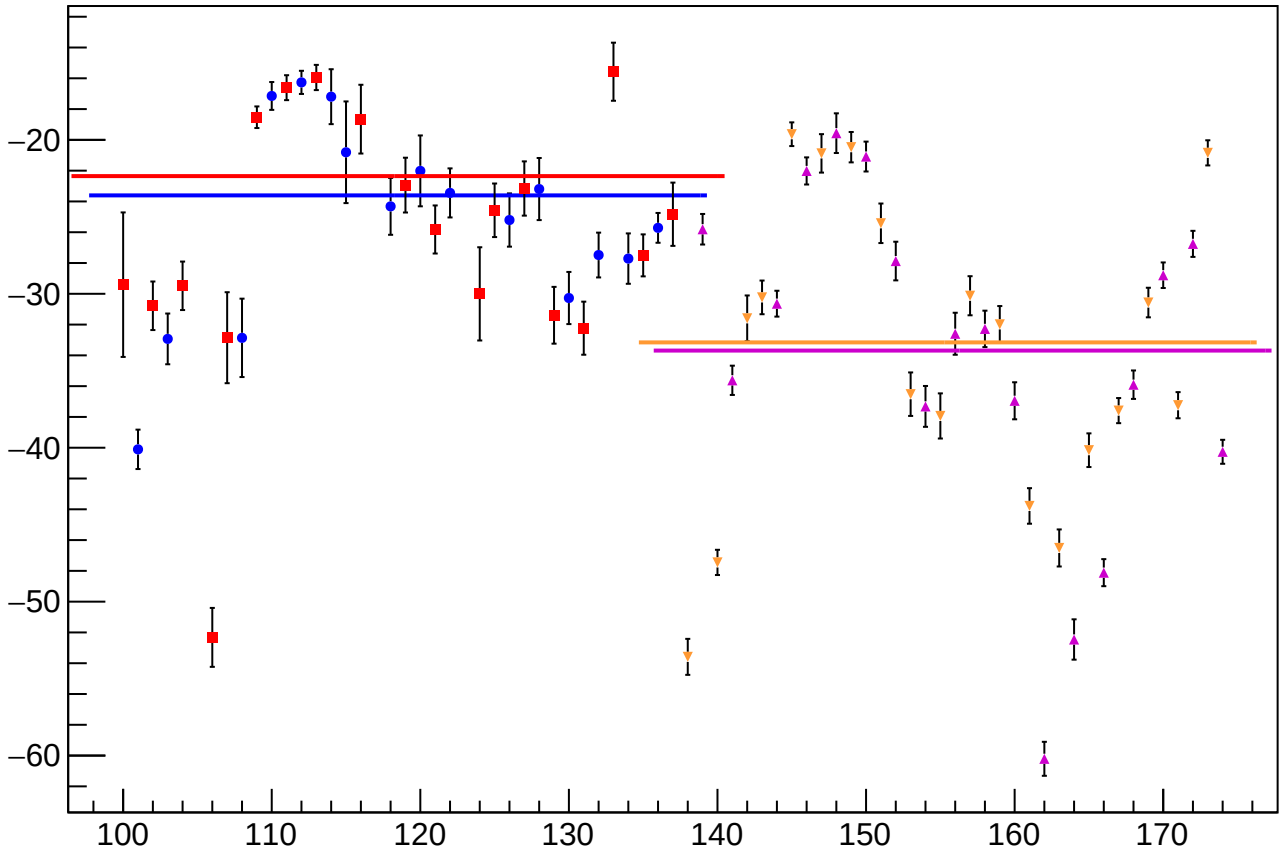
Left: -0.220+/-0.007 χ^2/NDF: 2299.4/36

Right: -0.614+/-0.018 χ^2/NDF: 2418.5/34

In: -0.275+/-0.010 χ^2/NDF:2799.0/33

Out: -0.277+/-0.010 χ^2/NDF:2328.4/37

All: -0.276+/-0.007 χ^2/NDF: 5127.5/71



Right In: -23.607+/-0.348 χ^2/NDF: 406.4/15

Left Out: -33.157+/-0.239 χ^2/NDF:1782.9/18

Right Out: -22.354+/-0.322 χ^2/NDF: 551.7/18

Left In: -33.689+/-0.236 χ^2/NDF:1813.8/17

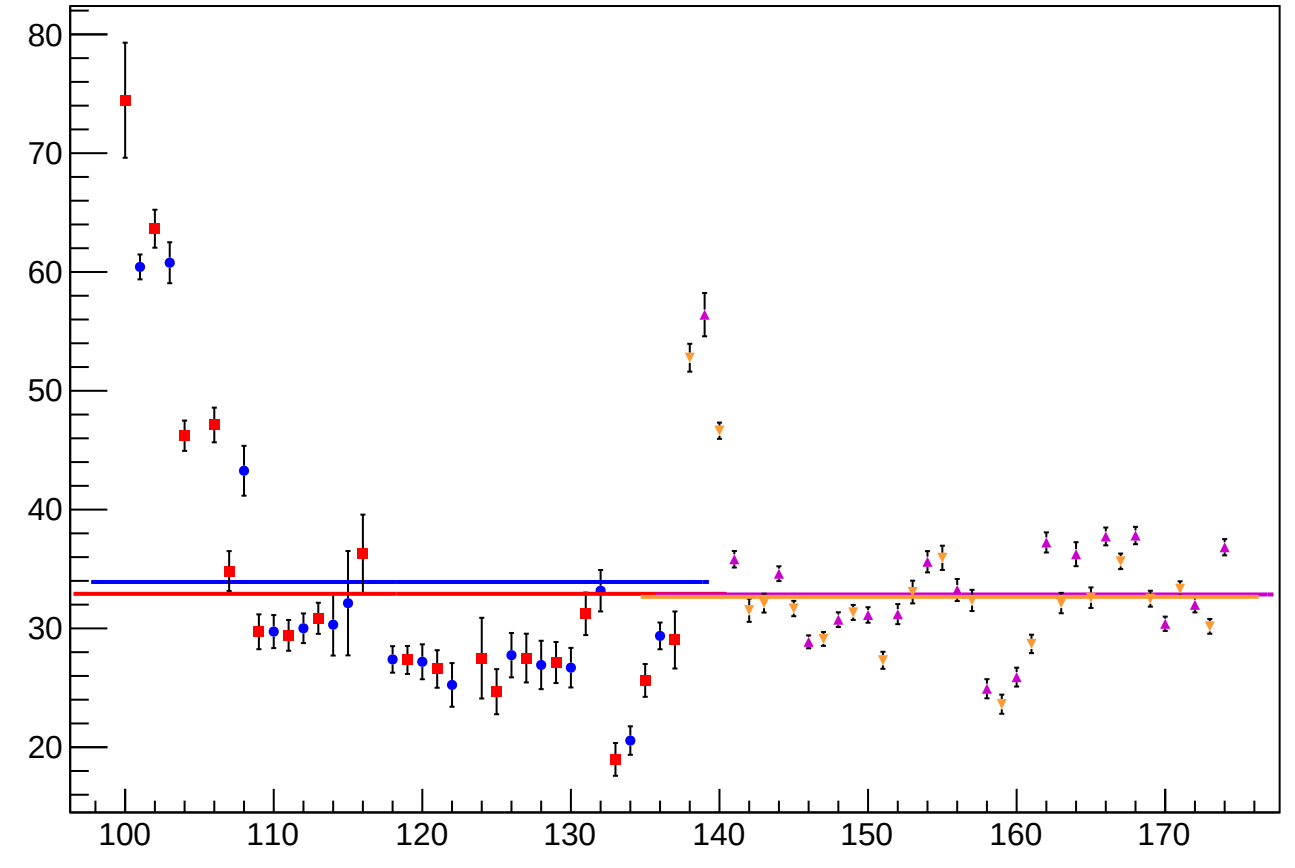
Left: -33.427+/-0.168 χ^2/NDF: 3599.1/36

Right: -22.931+/-0.236 χ^2/NDF: 965.1/34

In: -30.522+/-0.195 χ^2/NDF:2794.8/33

Out: -29.316+/-0.192 χ^2/NDF:3061.1/37

All: -29.908+/-0.137 χ^2/NDF: 5875.3/71



Right In: 33.909+/-0.375 χ^2/NDF: 1184.4/15

Left Out: 32.656+/-0.171 χ^2/NDF:1016.5/18

Right Out: 32.911+/-0.373 χ^2/NDF: 875.0/18

Left In: 32.857+/-0.173 χ^2/NDF:631.5/17

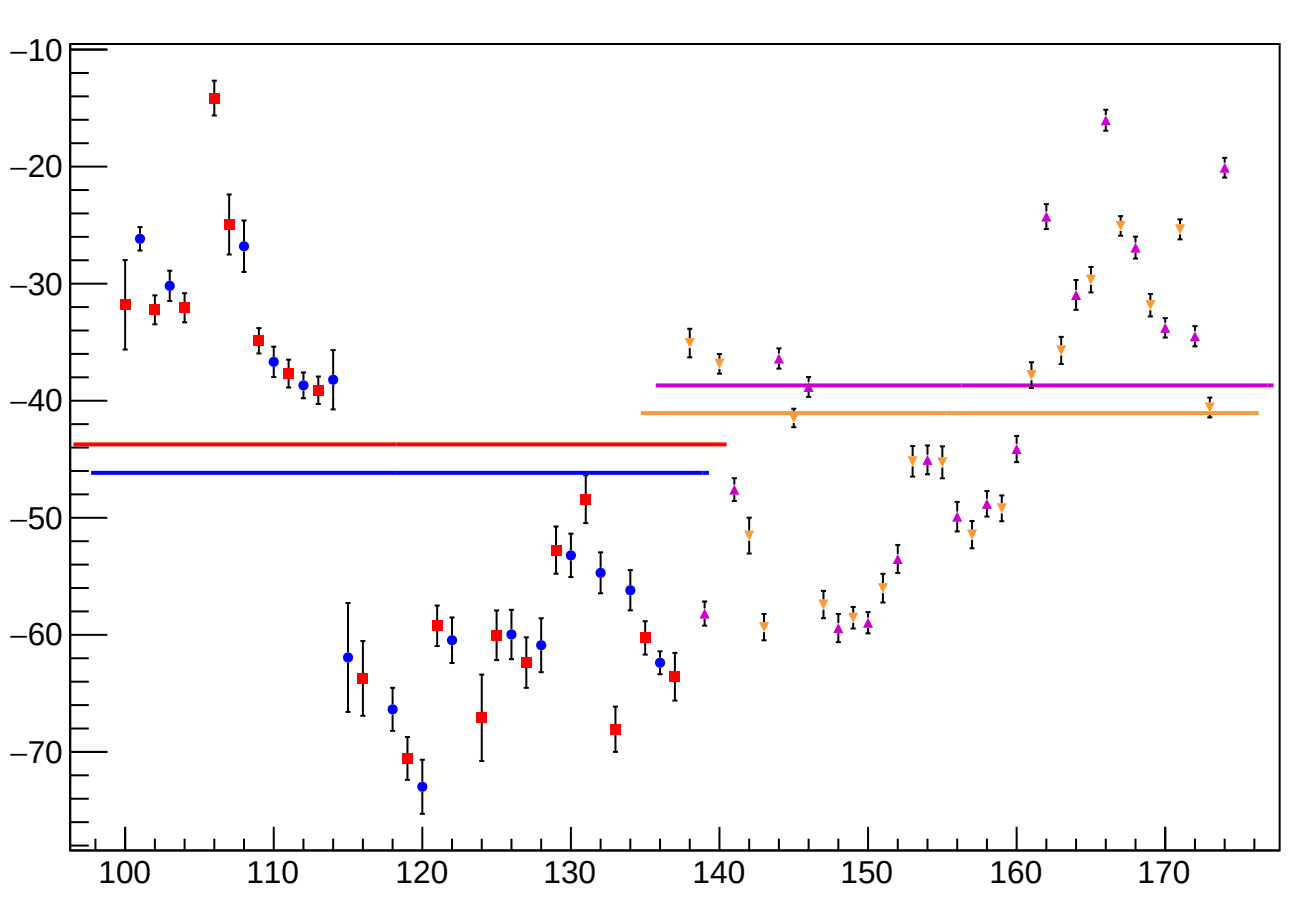
Left: 32.756+/-0.121 χ^2/NDF: 1648.7/36

Right: 33.407+/-0.264 χ^2/NDF: 2062.9/34

In: 33.040+/-0.157 χ^2/NDF:1822.4/33

Out: 32.701+/-0.155 χ^2/NDF:1891.9/37

All: 32.869+/-0.110 χ^2/NDF: 3716.7/71



Right In: -46.160+/-0.390 χ^2/NDF: 1489.6/15

Left Out: -41.051+/-0.237 χ^2/NDF:2155.6/18

Right Out: -43.730+/-0.378 χ^2/NDF: 1663.4/18

Left In: -38.693+/-0.234 χ^2/NDF:3174.7/17

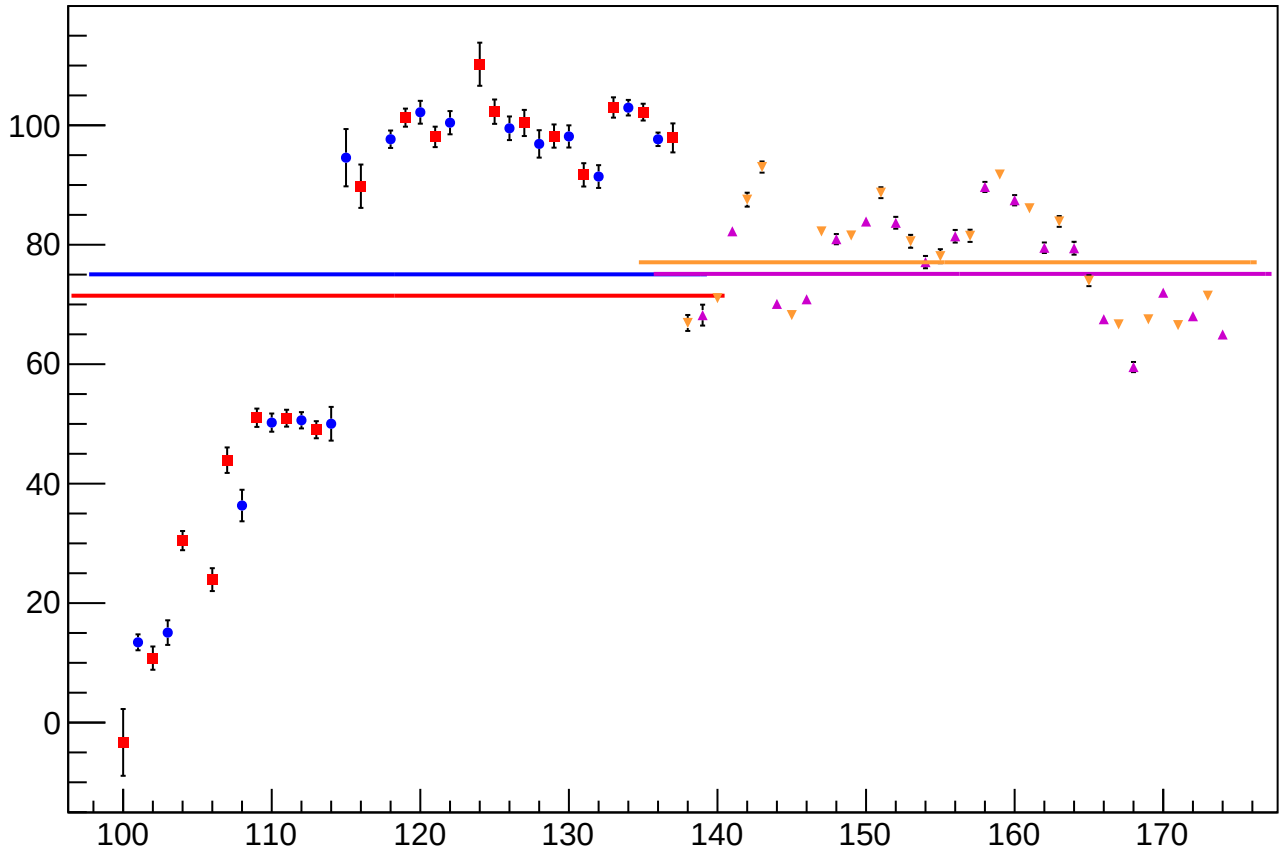
Left: -39.857+/-0.166 χ^2/NDF: 5380.6/36

Right: -44.909+/-0.271 χ^2/NDF: 3173.0/34

In: -40.666+/-0.200 χ^2/NDF:4934.4/33

Out: -41.805+/-0.201 χ^2/NDF:3855.0/37

All: -41.235+/-0.142 χ^2/NDF: 8805.5/71



Right In: 75.042+/-0.427 χ^2/NDF: 5828.3/15

Left Out: 77.062+/-0.195 χ^2/NDF:2060.9/18

Right Out: 71.468+/-0.426 χ^2/NDF: 5628.2/18

Left In: 75.120+/-0.196 χ^2/NDF:1766.8/17

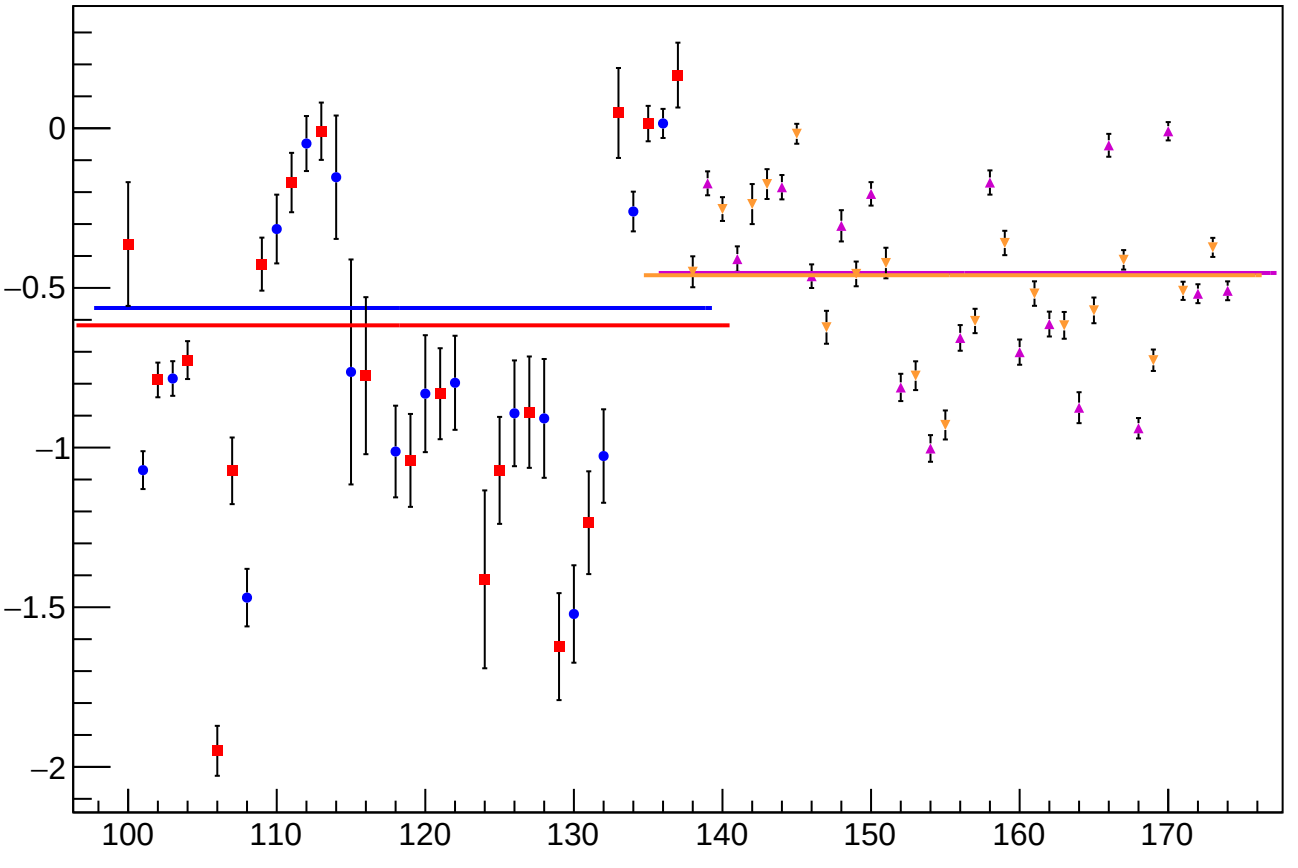
Left: 76.093+/-0.138 χ^2/NDF: 3877.0/36

Right: 73.248+/-0.302 χ^2/NDF: 11491.6/34

In: 75.106+/-0.178 χ^2/NDF:7595.2/33

Out: 76.088+/-0.178 χ^2/NDF:7831.7/37

All: 75.598+/-0.126 χ^2/NDF: 15442.1/71



Right In: -0.563+/-0.022 χ^2/NDF: 493.0/15

Left Out: -0.460+/-0.009 χ^2/NDF:570.1/18

Right Out: -0.617+/-0.022 χ^2/NDF: 690.0/18

Left In: -0.453+/-0.009 χ^2/NDF:1222.9/17

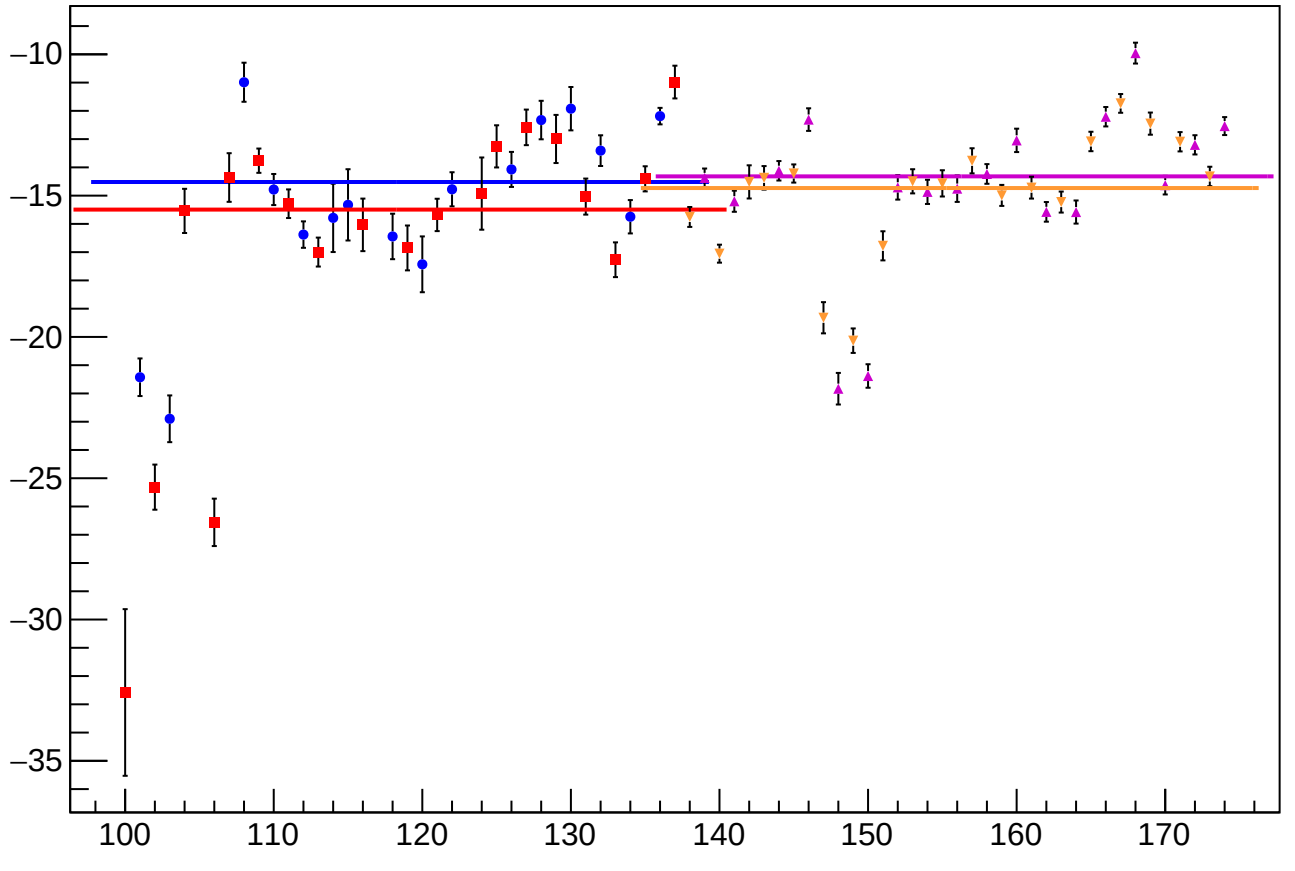
Left: -0.457+/-0.006 χ^2/NDF: 1793.3/36

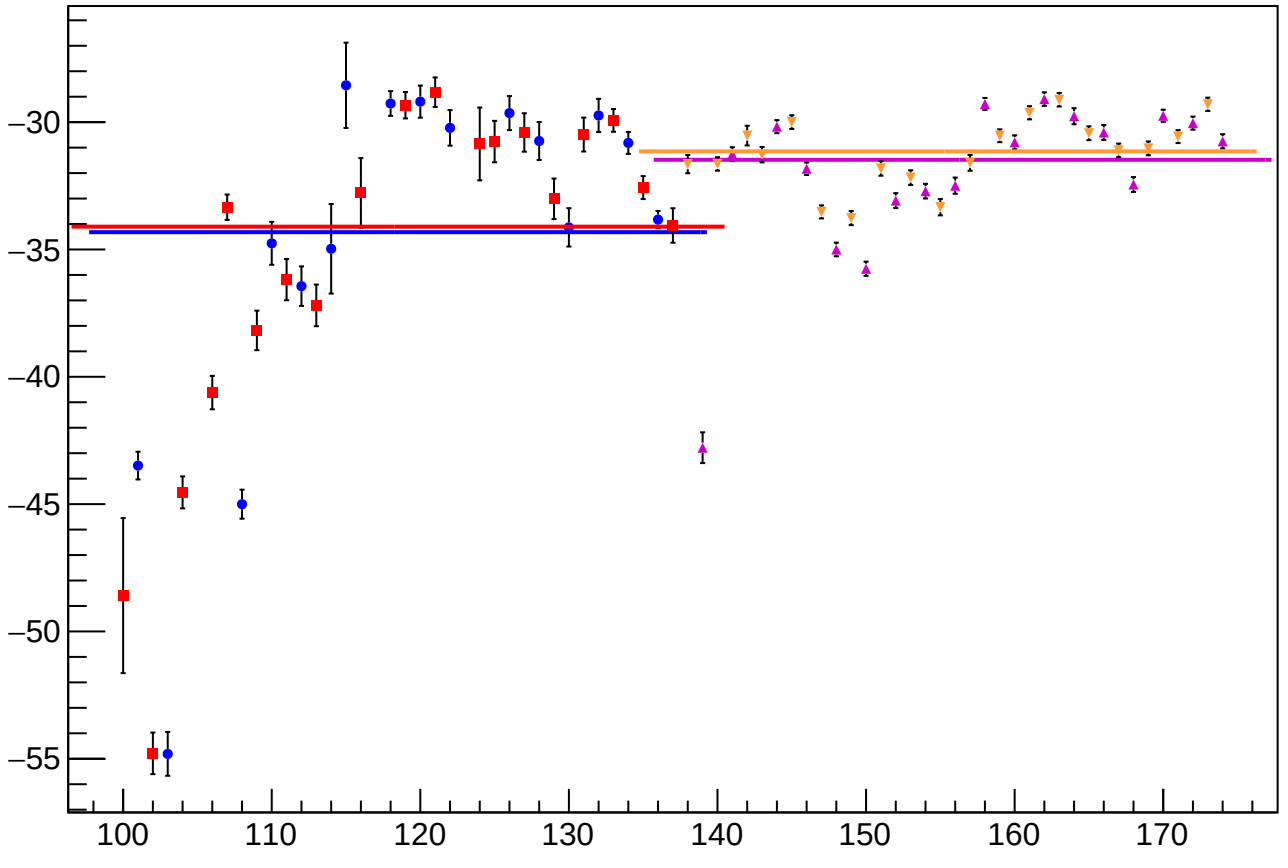
Right: -0.590+/-0.016 χ^2/NDF: 1186.0/34

In: -0.468+/-0.008 χ^2/NDF:1737.0/33

Out: -0.482+/-0.008 χ^2/NDF:1303.4/37

All: -0.475+/-0.006 χ^2/NDF: 3041.9/71


reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
Right In: -14.518+/-0.149 χ²/NDF: 363.3/15
Left Out: -14.731+/-0.089 χ²/NDF:475.6/18
Right Out: -15.494+/-0.150 χ²/NDF: 503.8/18
Left In: -14.318+/-0.089 χ²/NDF:756.0/17
Left: -14.524+/-0.063 χ²/NDF: 1242.4/36
Right: -15.004+/-0.106 χ²/NDF: 888.5/34
In: -14.370+/-0.076 χ²/NDF:1120.7/33
Out: -14.930+/-0.077 χ²/NDF:998.6/37
All: -14.649+/-0.054 χ²/NDF: 2146.1/71



Right In: -34.321+/-0.153 χ^2/NDF: 1620.5/15

Left Out: -31.147+/-0.064 χ^2/NDF:428.0/18

Right Out: -34.104+/-0.154 χ^2/NDF: 1434.8/18

Left In: -31.478+/-0.066 χ^2/NDF:1158.6/17

Left: -31.309+/-0.046 χ^2/NDF: 1599.5/36

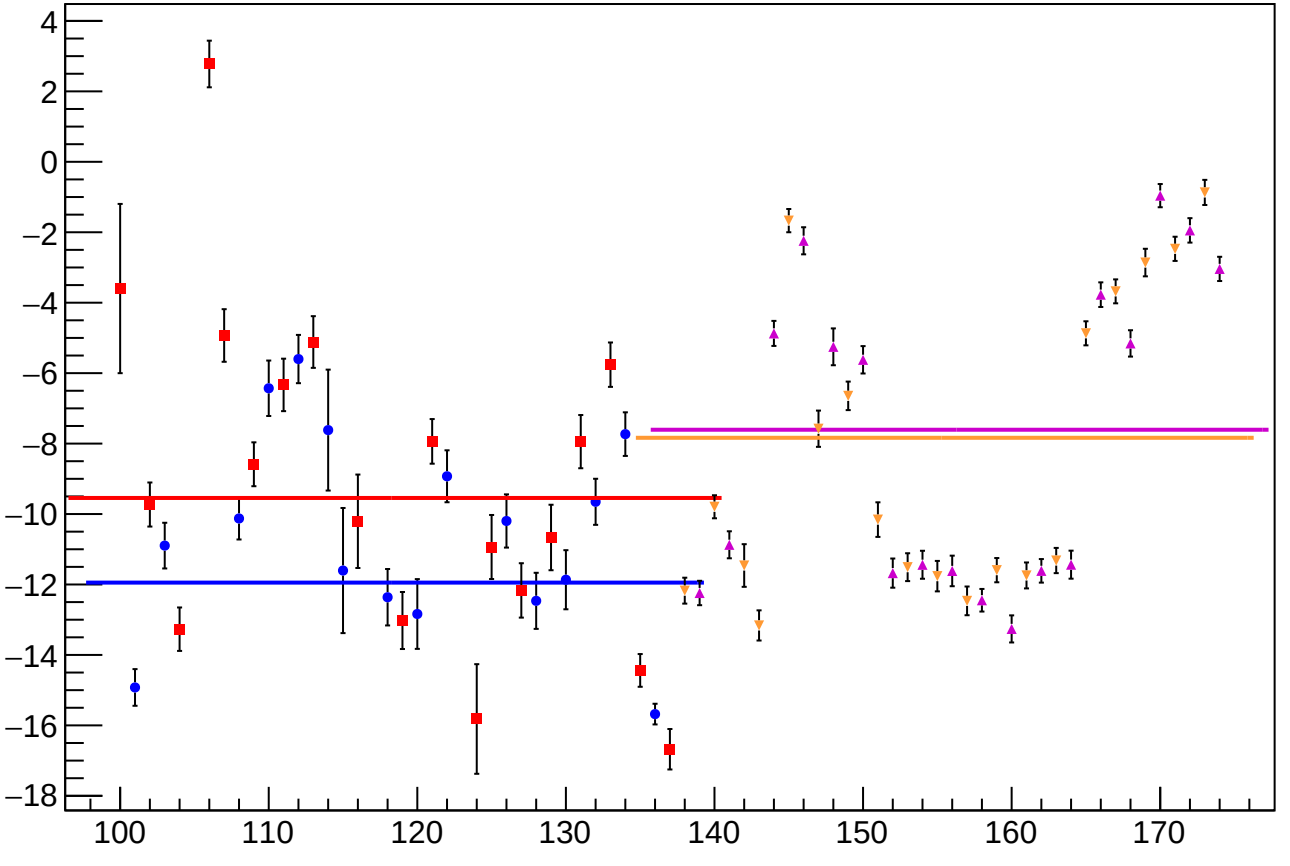
Right: -34.213+/-0.109 χ^2/NDF: 3056.3/34

In: -31.919+/-0.060 χ^2/NDF:3069.8/33

Out: -31.586+/-0.059 χ^2/NDF:2176.2/37

All: -31.749+/-0.042 χ^2/NDF: 5261.5/71

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.946+/-0.160 χ^2/NDF: 430.0/15

Left Out: -7.835+/-0.088 χ^2/NDF:2382.4/18

Right Out: -9.544+/-0.165 χ^2/NDF: 847.1/18

Left In: -7.607+/-0.088 χ^2/NDF:2519.1/17

Left: -7.721+/-0.062 χ^2/NDF: 4904.9/36

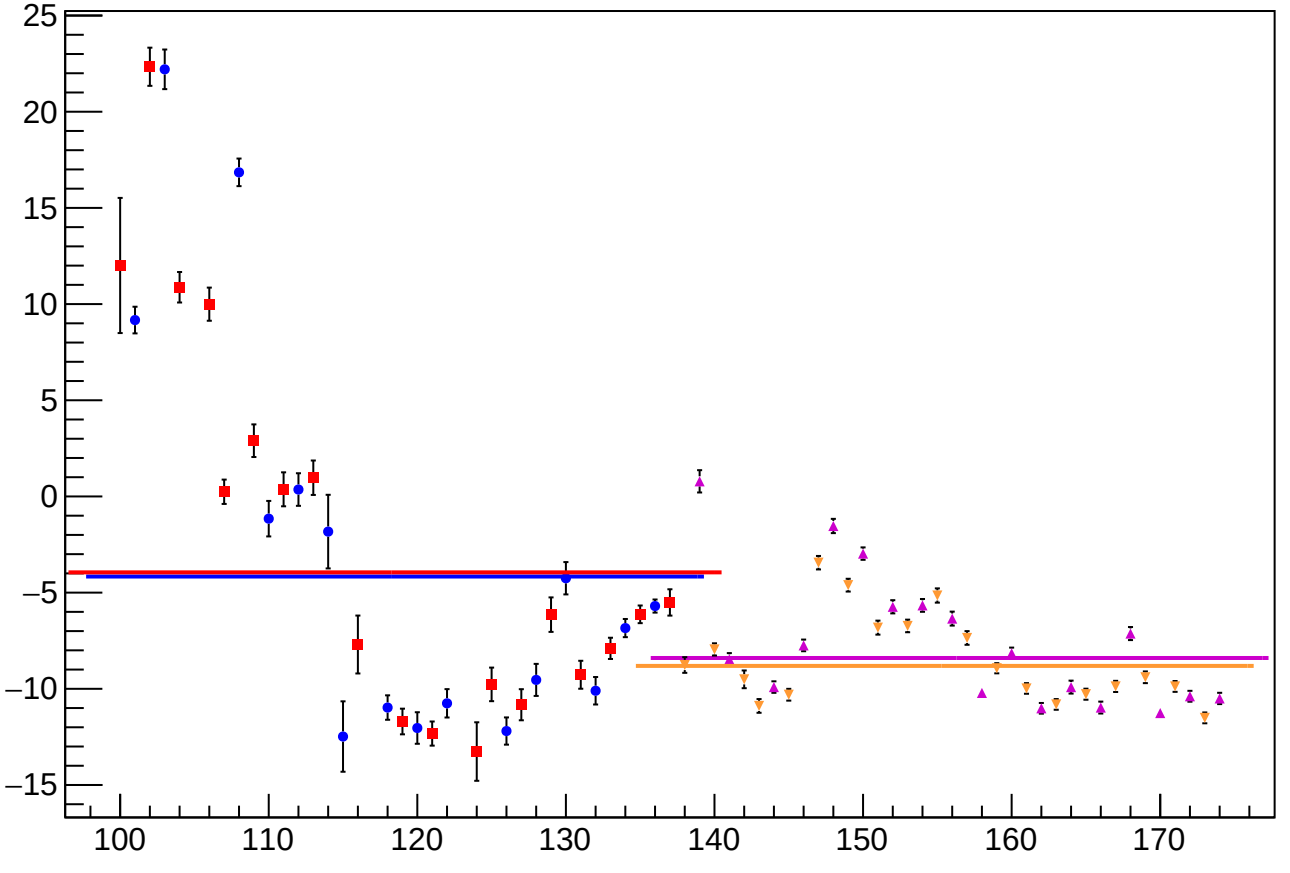
Right: -10.782+/-0.115 χ^2/NDF: 1386.2/34

In: -8.605+/-0.077 χ^2/NDF:3514.7/33

Out: -8.212+/-0.078 χ^2/NDF:3312.8/37

All: -8.410+/-0.055 χ^2/NDF: 6840.5/71

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: -8.809+/-0.073 χ^2/NDF:865.1/18

Right Out: -3.947+/-0.176 χ^2/NDF: 2110.2/18

Left In: -8.398+/-0.074 χ^2/NDF:1535.1/17

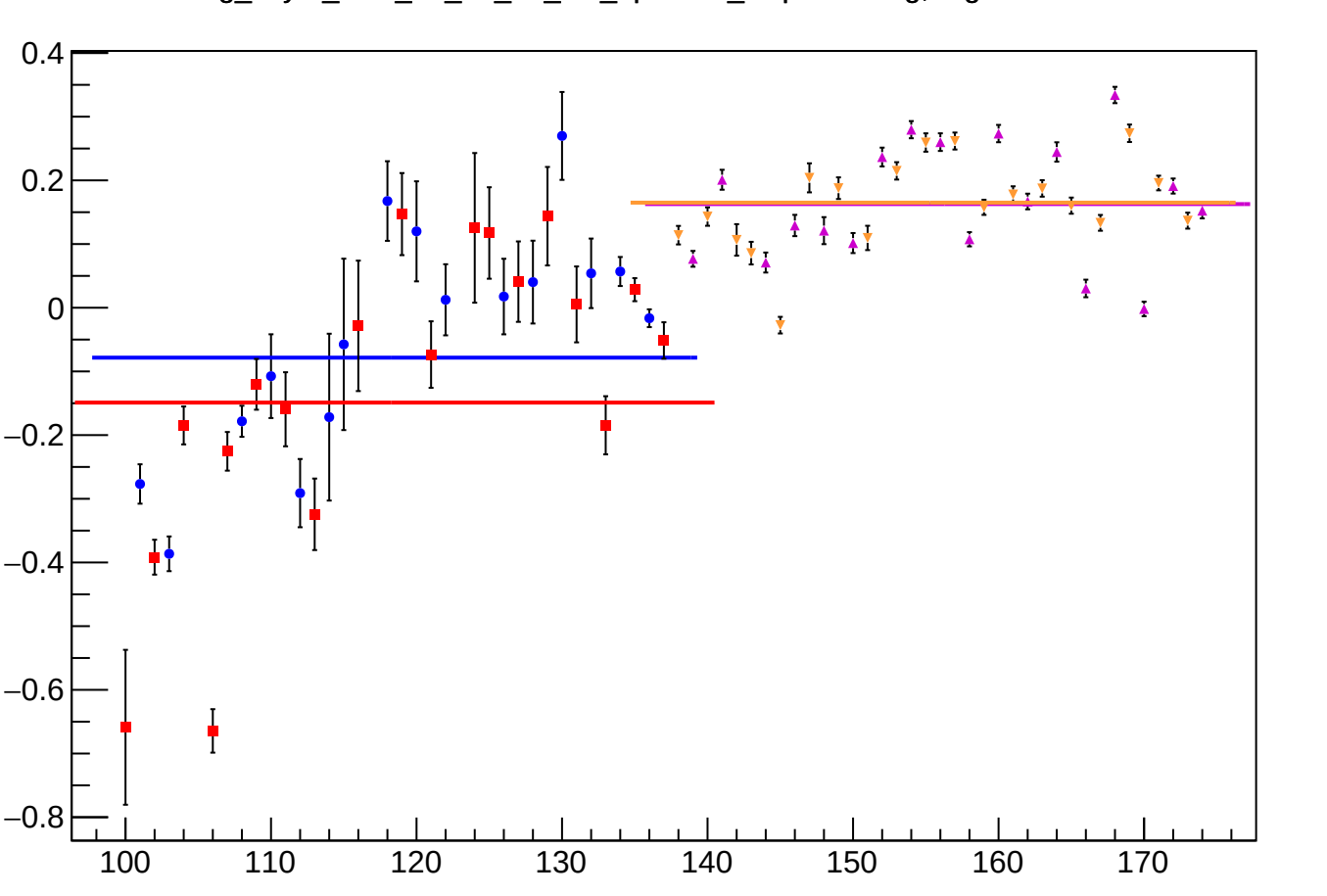
Left: -8.606+/-0.052 χ^2/NDF: 2416.0/36

Right: -4.057+/-0.123 χ^2/NDF: 4636.0/34

In: -7.740+/-0.068 χ^2/NDF:4572.6/33

Out: -8.099+/-0.067 χ^2/NDF:3626.9/37

All: -7.921+/-0.048 χ^2/NDF: 8213.6/71



Right In: -0.078+/-0.009 χ^2/NDF: 318.8/15

Left Out: 0.165+/-0.003 χ^2/NDF:466.2/18

Right Out: -0.149+/-0.009 χ^2/NDF: 524.8/18

Left In: 0.163+/-0.003 χ^2/NDF:867.2/17

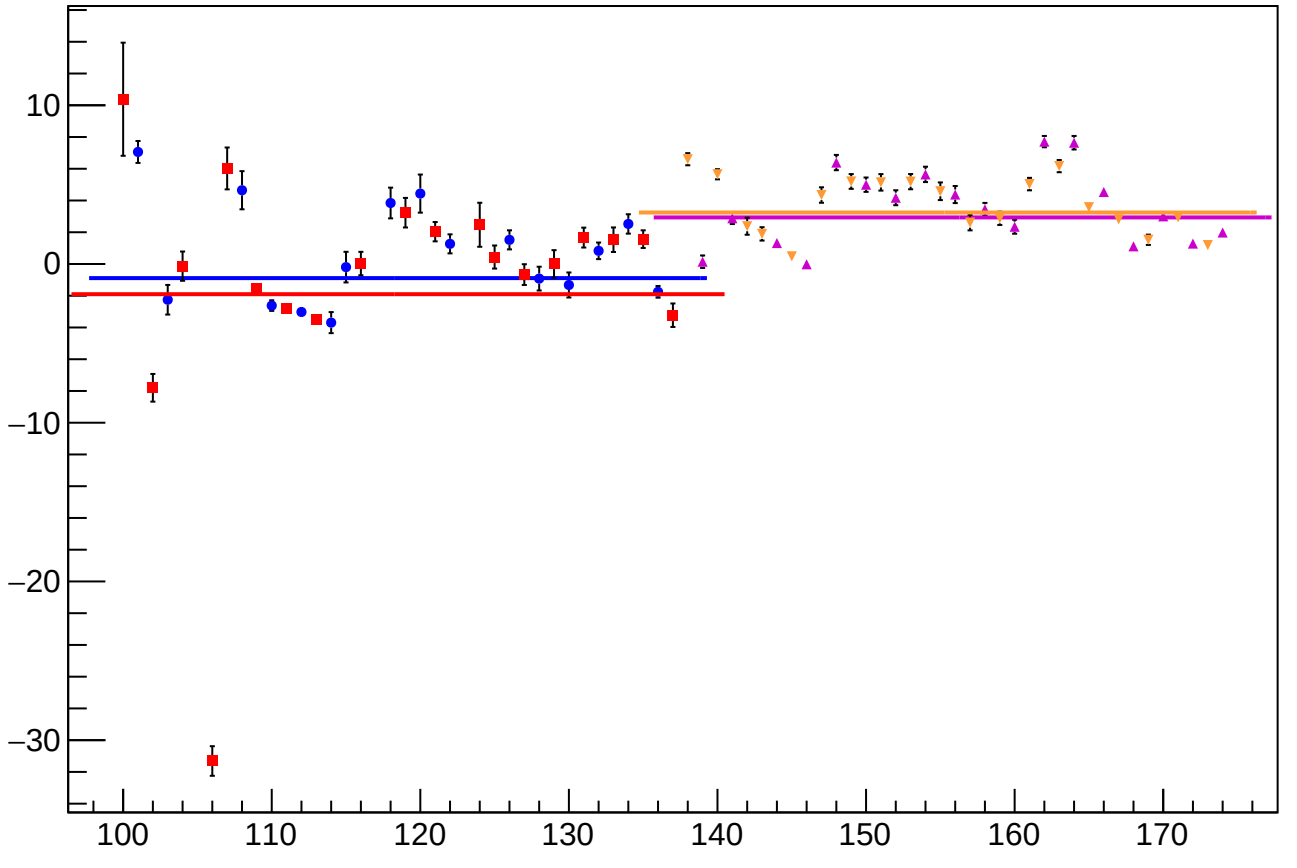
Left: 0.164+/-0.002 χ^2/NDF: 1333.6/36

Right: -0.112+/-0.006 χ^2/NDF: 875.6/34

In: 0.133+/-0.003 χ^2/NDF:1880.3/33

Out: 0.129+/-0.003 χ^2/NDF:2052.8/37

All: 0.131+/-0.002 χ^2/NDF: 3933.8/71



Right In: -0.889+/-0.137 χ^2/NDF: 380.3/15

Left Out: 3.244+/-0.083 χ^2/NDF:500.6/18

Right Out: -1.903+/-0.128 χ^2/NDF: 1331.8/18

Left In: 2.934+/-0.081 χ^2/NDF:721.7/17

Left: 3.086+/-0.058 χ^2/NDF: 1229.4/36

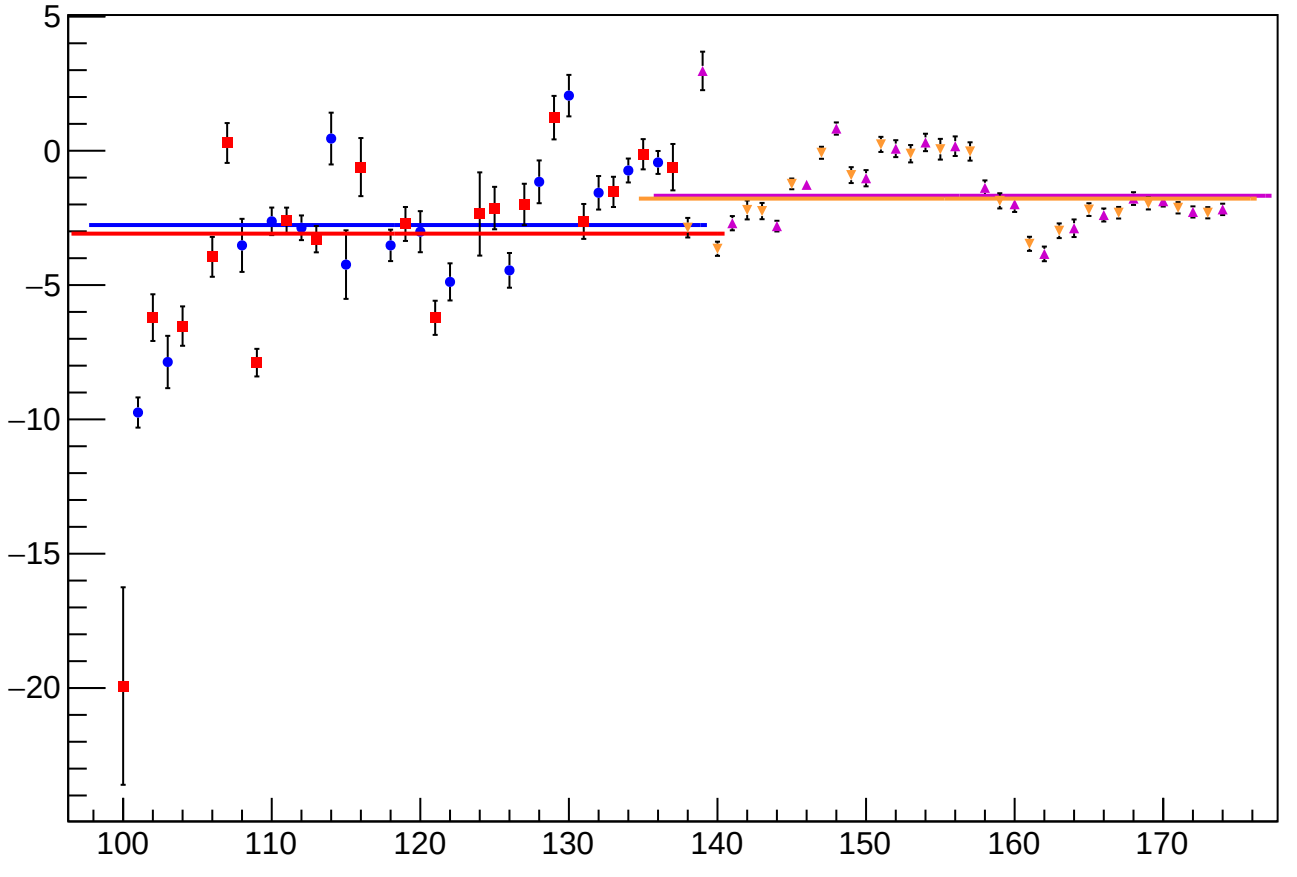
Right: -1.428+/-0.094 χ^2/NDF: 1741.3/34

In: 1.931+/-0.070 χ^2/NDF:1679.9/33

Out: 1.724+/-0.070 χ^2/NDF:2965.4/37

All: 1.827+/-0.049 χ^2/NDF: 4649.6/71

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.766+/-0.156 χ^2/NDF: 310.1/15

Left Out: -1.782+/-0.060 χ^2/NDF:342.7/18

Right Out: -3.086+/-0.158 χ^2/NDF: 272.5/18

Left In: -1.676+/-0.059 χ^2/NDF:416.3/17

Left: -1.729+/-0.042 χ^2/NDF: 760.6/36

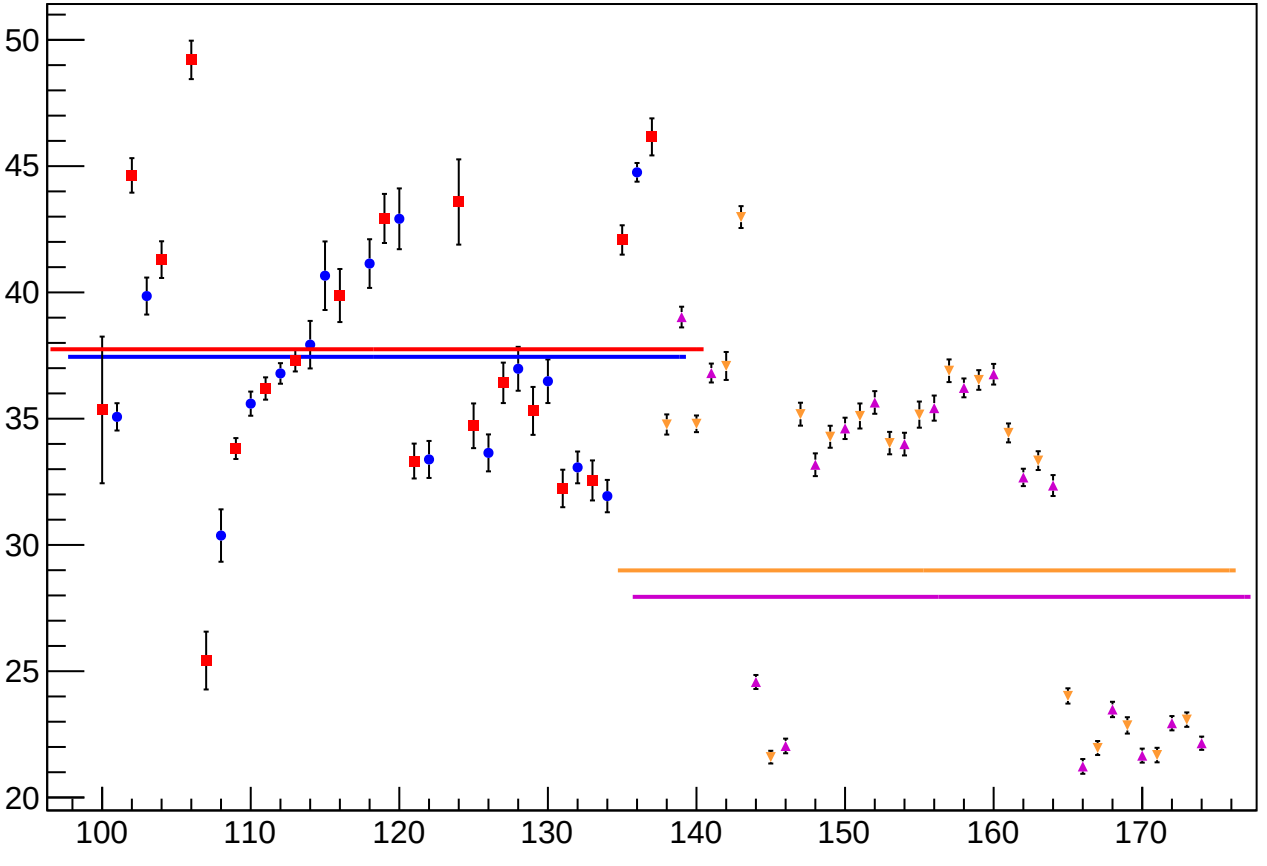
Right: -2.925+/-0.111 χ^2/NDF: 584.6/34

In: -1.813+/-0.056 χ^2/NDF:768.9/33

Out: -1.946+/-0.056 χ^2/NDF:675.0/37

All: -1.879+/-0.039 χ^2/NDF: 1446.8/71

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 37.449+/-0.161 χ^2/NDF: 706.9/15

Left Out: 28.992+/-0.083 χ^2/NDF:6768.9/18

Right Out: 37.749+/-0.159 χ^2/NDF: 963.6/18

Left In: 27.945+/-0.081 χ^2/NDF:6250.7/17

Left: 28.458+/-0.058 χ^2/NDF: 13101.4/36

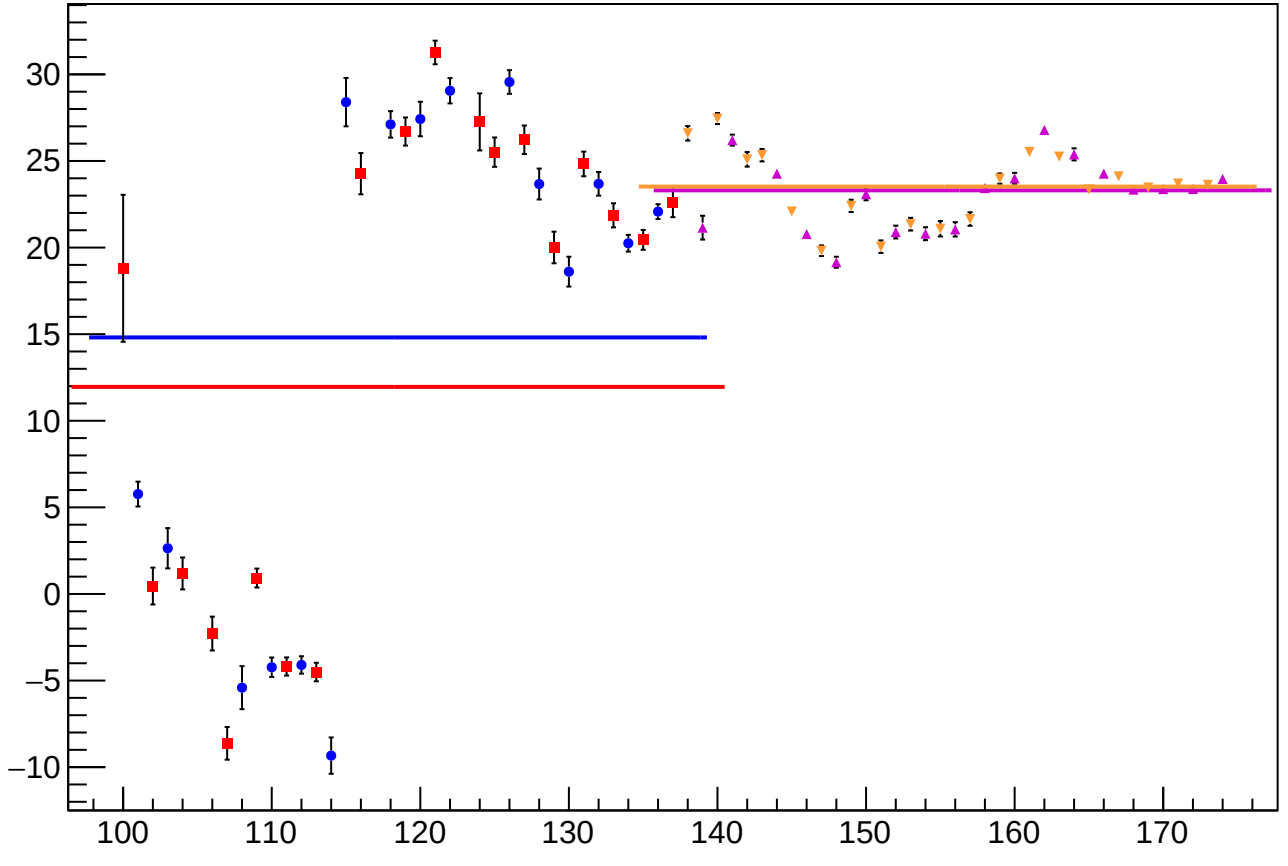
Right: 37.600+/-0.113 χ^2/NDF: 1672.3/34

In: 29.871+/-0.072 χ^2/NDF:9745.8/33

Out: 30.847+/-0.073 χ^2/NDF:10110.9/37

All: 30.352+/-0.052 χ^2/NDF: 19946.4/71

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.812+/-0.174 χ^2/NDF: 5686.4/15

Left Out: 23.523+/-0.068 χ^2/NDF:716.1/18

Right Out: 11.955+/-0.177 χ^2/NDF: 6105.5/18

Left In: 23.305+/-0.067 χ^2/NDF:741.3/17

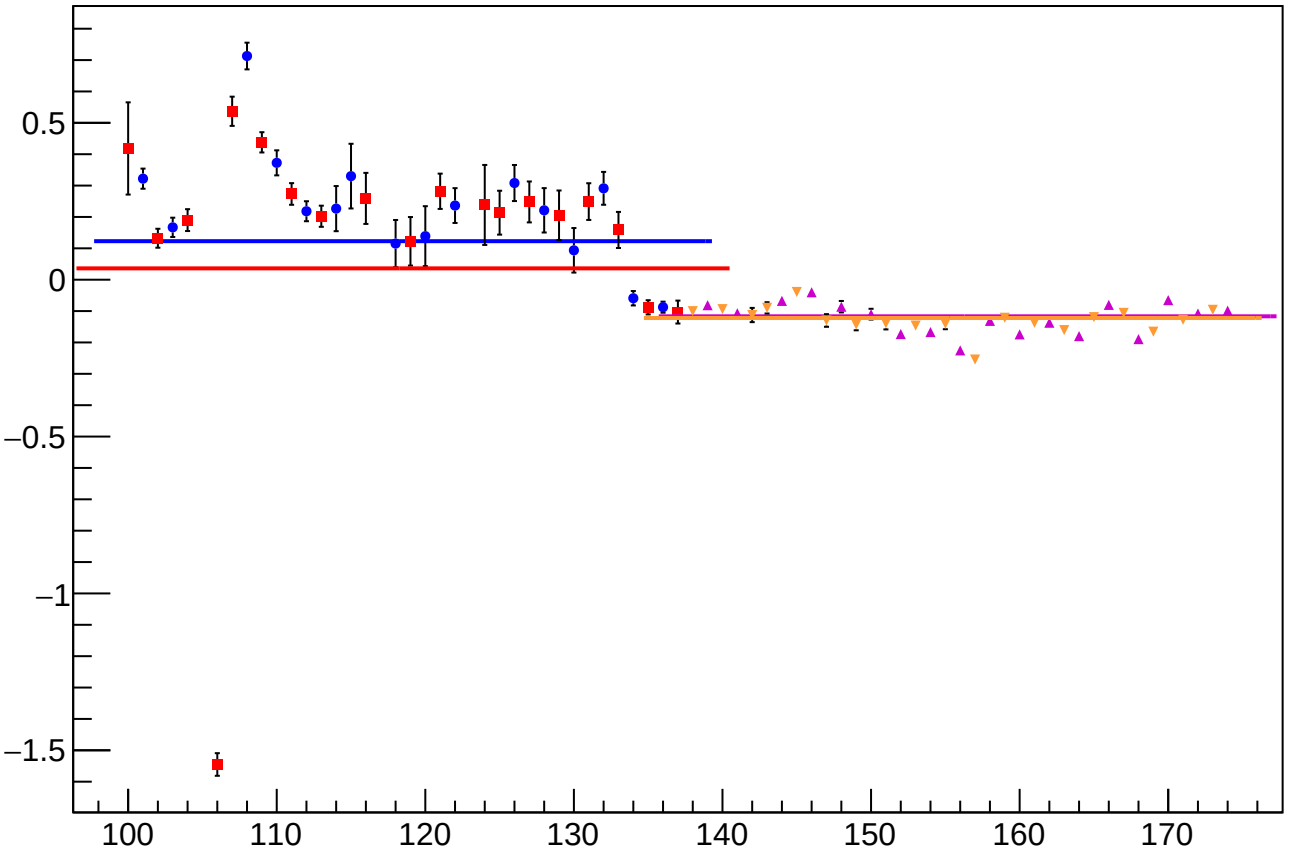
Left: 23.413+/-0.048 χ^2/NDF: 1462.5/36

Right: 13.408+/-0.124 χ^2/NDF: 11924.5/34

In: 22.197+/-0.063 χ^2/NDF:8502.1/33

Out: 22.037+/-0.063 χ^2/NDF:10551.5/37

All: 22.118+/-0.045 χ^2/NDF: 19056.8/71



Right In: 0.123+/-0.009 χ^2/NDF: 520.0/15

Left Out: -0.122+/-0.003 χ^2/NDF:199.0/18

Right Out: 0.036+/-0.010 χ^2/NDF: 2414.7/18

Left In: -0.117+/-0.003 χ^2/NDF:260.4/17

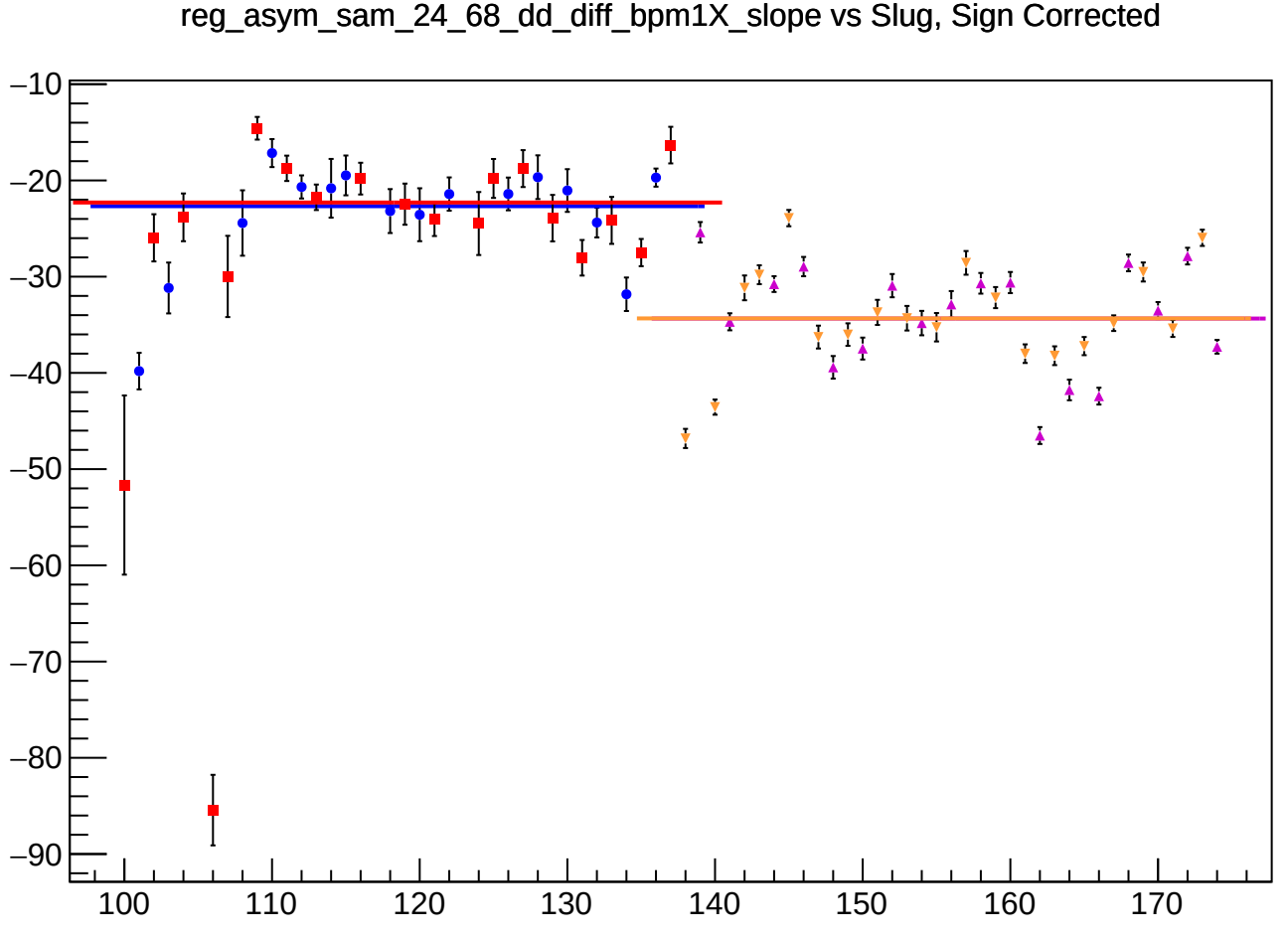
Left: -0.119+/-0.002 χ^2/NDF: 461.0/36

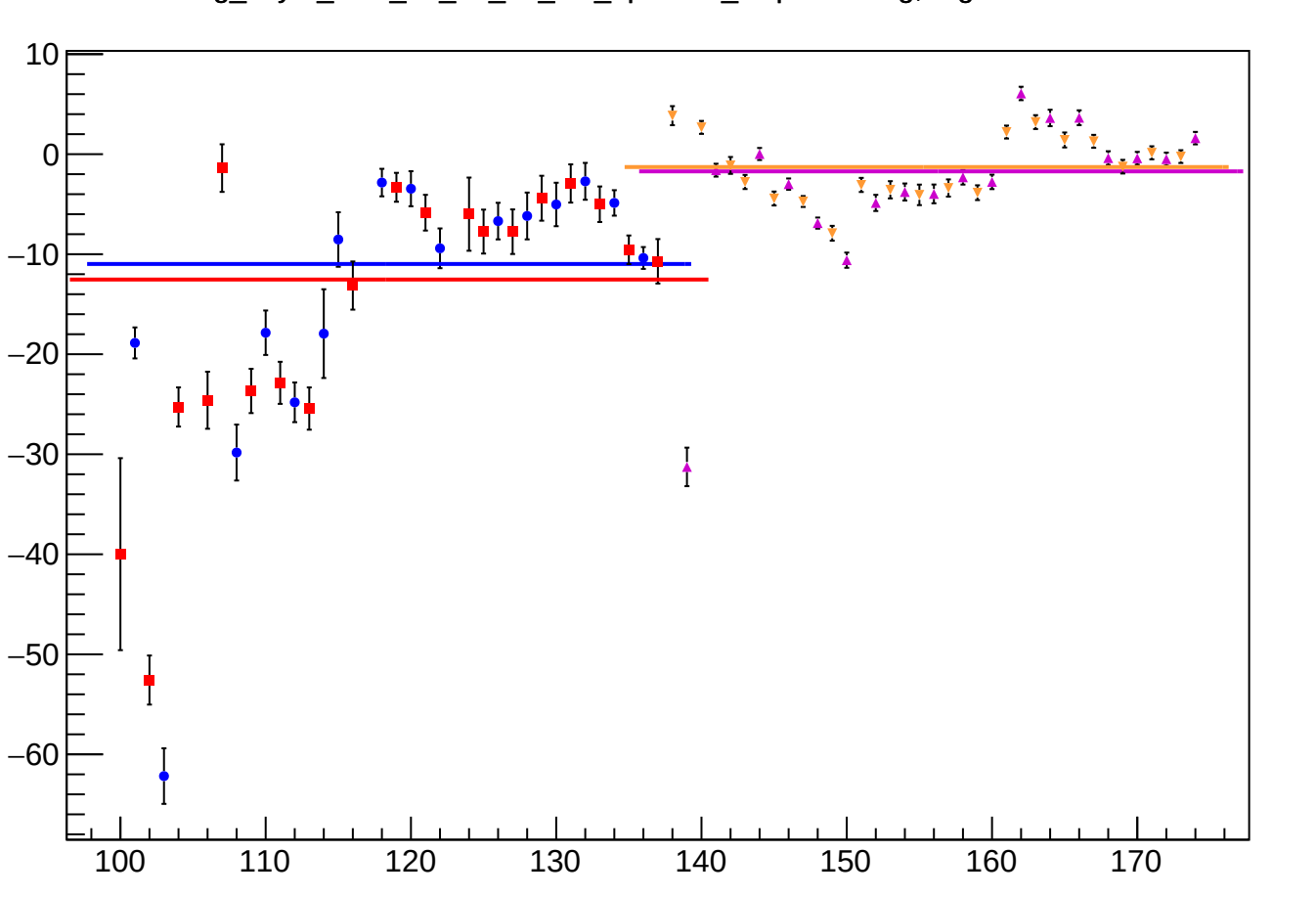
Right: 0.081+/-0.007 χ^2/NDF: 2975.5/34

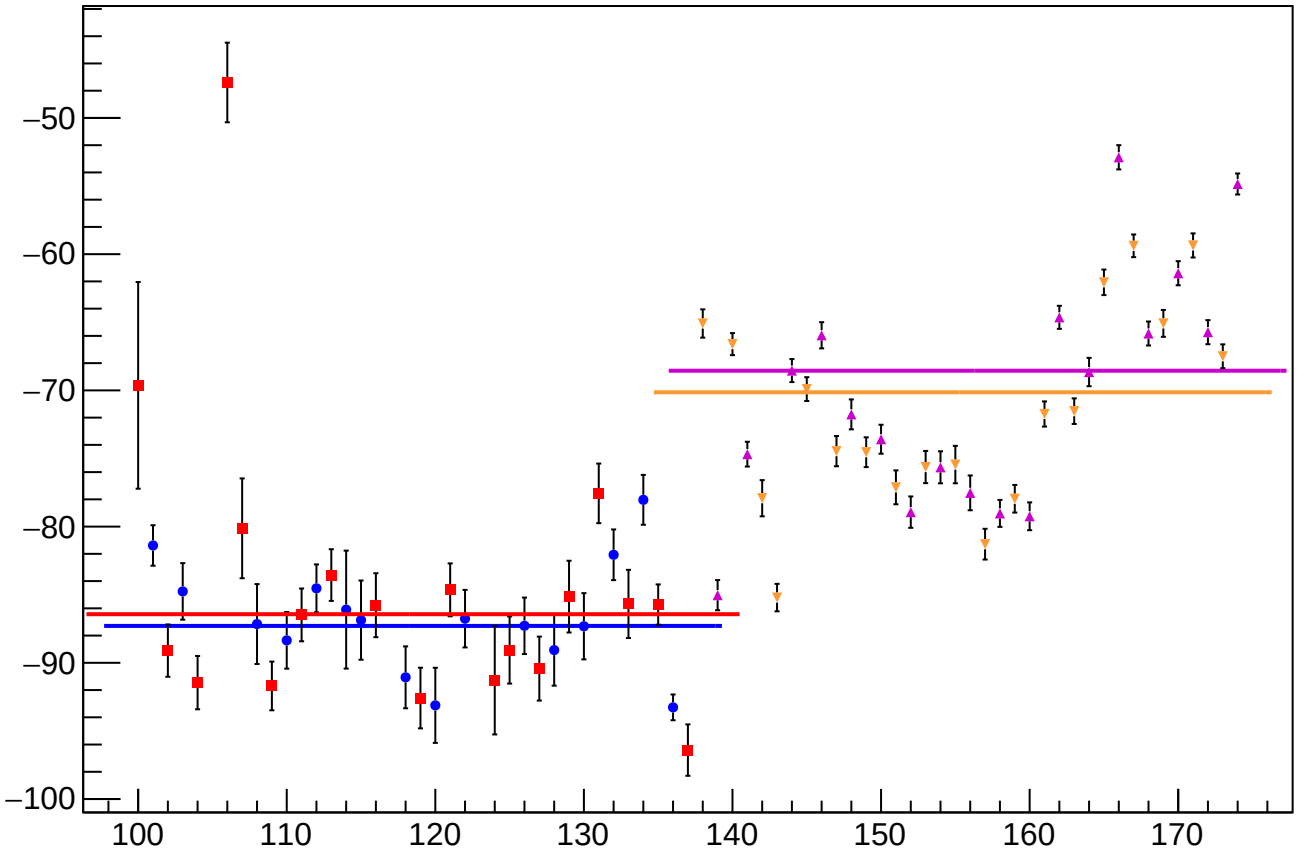
In: -0.095+/-0.003 χ^2/NDF:1368.2/33

Out: -0.108+/-0.003 χ^2/NDF:2852.5/37

All: -0.101+/-0.002 χ^2/NDF: 4231.5/71


reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−10
−20
−30
−40
−50
−60
−70
−80
−90
100
110
120
130
140
150
160
170
Right In: -22.675+/-0.435 χ2/NDF: 154.4/15
Left Out: -34.338+/-0.231 χ2/NDF:667.5/18
Right Out: -22.295+/-0.435 χ2/NDF: 405.5/18
Left In: -34.353+/-0.229 χ2/NDF:620.9/17
Left: -34.345+/-0.163 χ2/NDF: 1288.3/36
Right: -22.485+/-0.307 χ2/NDF: 560.3/34
In: -31.811+/-0.203 χ2/NDF:1340.4/33
Out: -31.688+/-0.204 χ2/NDF:1670.3/37
All: -31.750+/-0.144 χ2/NDF: 3010.9/71


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
100
110
120
130
140
150
160
170
Right In: -10.978+/-0.453 χ²/NDF: 587.3/15
Left Out: -1.285+/-0.164 χ²/NDF:356.7/18
Right Out: -12.533+/-0.481 χ²/NDF: 572.3/18
Left In: -1.720+/-0.166 χ²/NDF:770.4/17
Left: -1.500+/-0.117 χ²/NDF: 1130.6/36
Right: -11.710+/-0.330 χ²/NDF: 1165.1/34
In: -2.812+/-0.156 χ²/NDF:1725.6/33
Out: -2.457+/-0.155 χ²/NDF:1418.6/37
All: -2.634+/-0.110 χ²/NDF: 3146.8/71



Right In: -87.291+/-0.481 χ^2/NDF: 101.2/15

Left Out: -70.139+/-0.229 χ^2/NDF:986.4/18

Right Out: -86.431+/-0.506 χ^2/NDF: 264.8/18

Left In: -68.556+/-0.227 χ^2/NDF:1426.3/17

Left: -69.341+/-0.161 χ^2/NDF: 2436.8/36

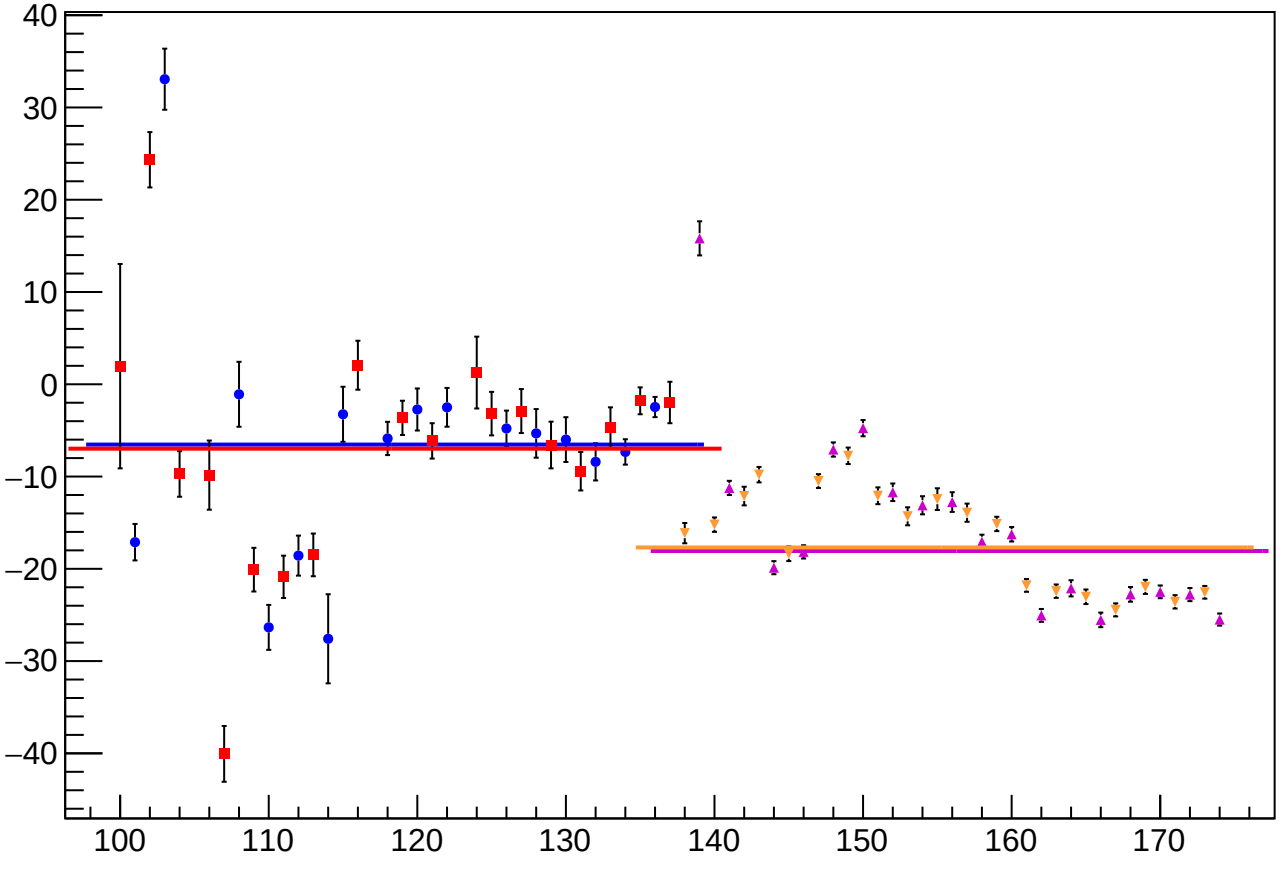
Right: -86.883+/-0.348 χ^2/NDF: 367.6/34

In: -71.974+/-0.205 χ^2/NDF:2770.0/33

Out: -72.905+/-0.208 χ^2/NDF:2112.2/37

All: -72.432+/-0.146 χ^2/NDF: 4892.2/71

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.535+/-0.508 χ^2/NDF: 313.9/15

Left Out: -17.684+/-0.188 χ^2/NDF:804.3/18

Right Out: -6.979+/-0.542 χ^2/NDF: 368.3/18

Left In: -18.068+/-0.189 χ^2/NDF:1412.8/17

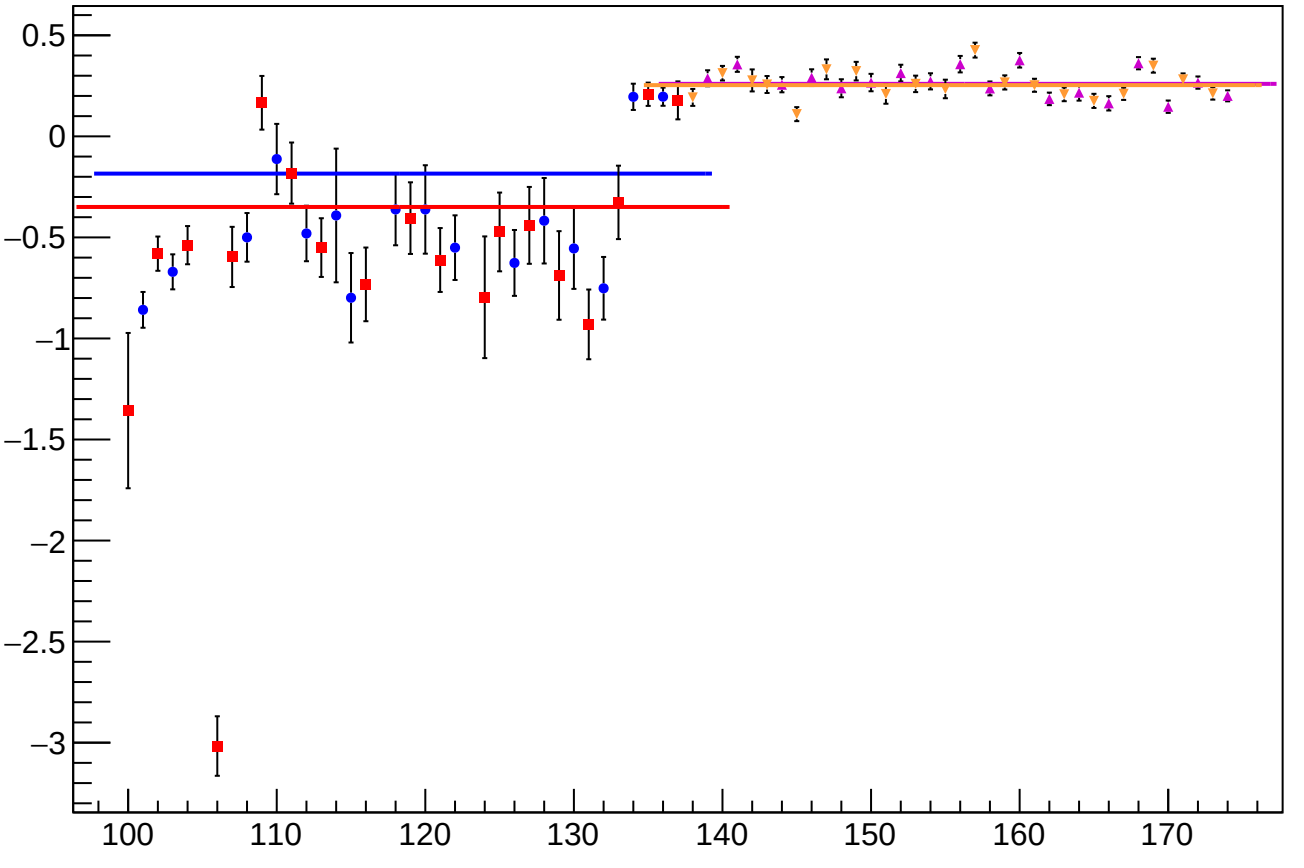
Left: -17.875+/-0.133 χ^2/NDF: 2219.2/36

Right: -6.743+/-0.370 χ^2/NDF: 682.6/34

In: -16.670+/-0.177 χ^2/NDF:2179.9/33

Out: -16.539+/-0.177 χ^2/NDF:1521.4/37

All: -16.605+/-0.125 χ^2/NDF: 3701.6/71



Right In: -0.184+/-0.027 χ^2/NDF: 247.3/15

Left Out: 0.253+/-0.009 χ^2/NDF:69.2/18

Right Out: -0.349+/-0.029 χ^2/NDF: 516.5/18

Left In: 0.260+/-0.008 χ^2/NDF:70.4/17

Left: 0.257+/-0.006 χ^2/NDF: 139.9/36

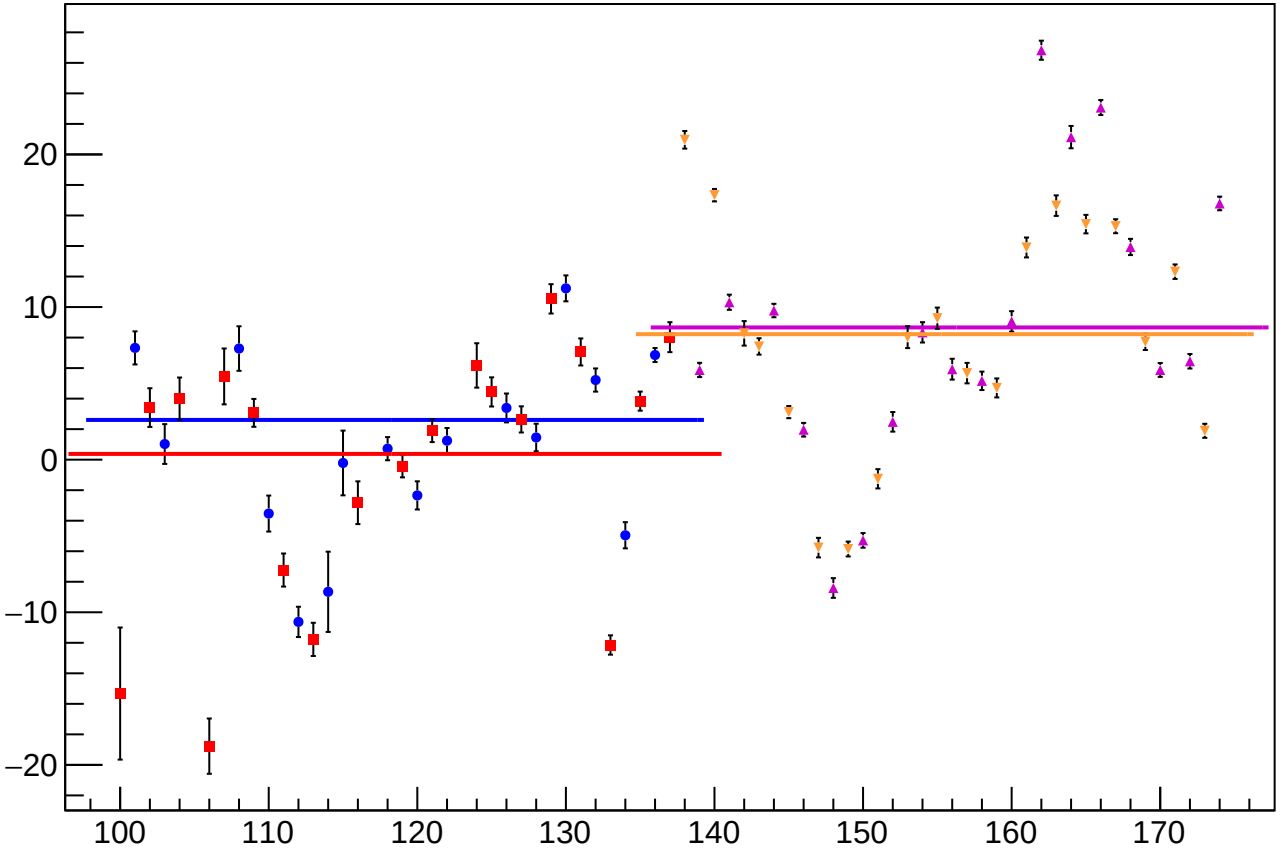
Right: -0.259+/-0.020 χ^2/NDF: 781.1/34

In: 0.220+/-0.008 χ^2/NDF:568.3/33

Out: 0.206+/-0.008 χ^2/NDF:975.5/37

All: 0.213+/-0.006 χ^2/NDF: 1545.2/71

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.604+/-0.224 χ^2/NDF: 573.1/15

Left Out: 8.222+/-0.126 χ^2/NDF:3609.3/18

Right Out: 0.377+/-0.222 χ^2/NDF: 1030.9/18

Left In: 8.663+/-0.125 χ^2/NDF:4441.2/17

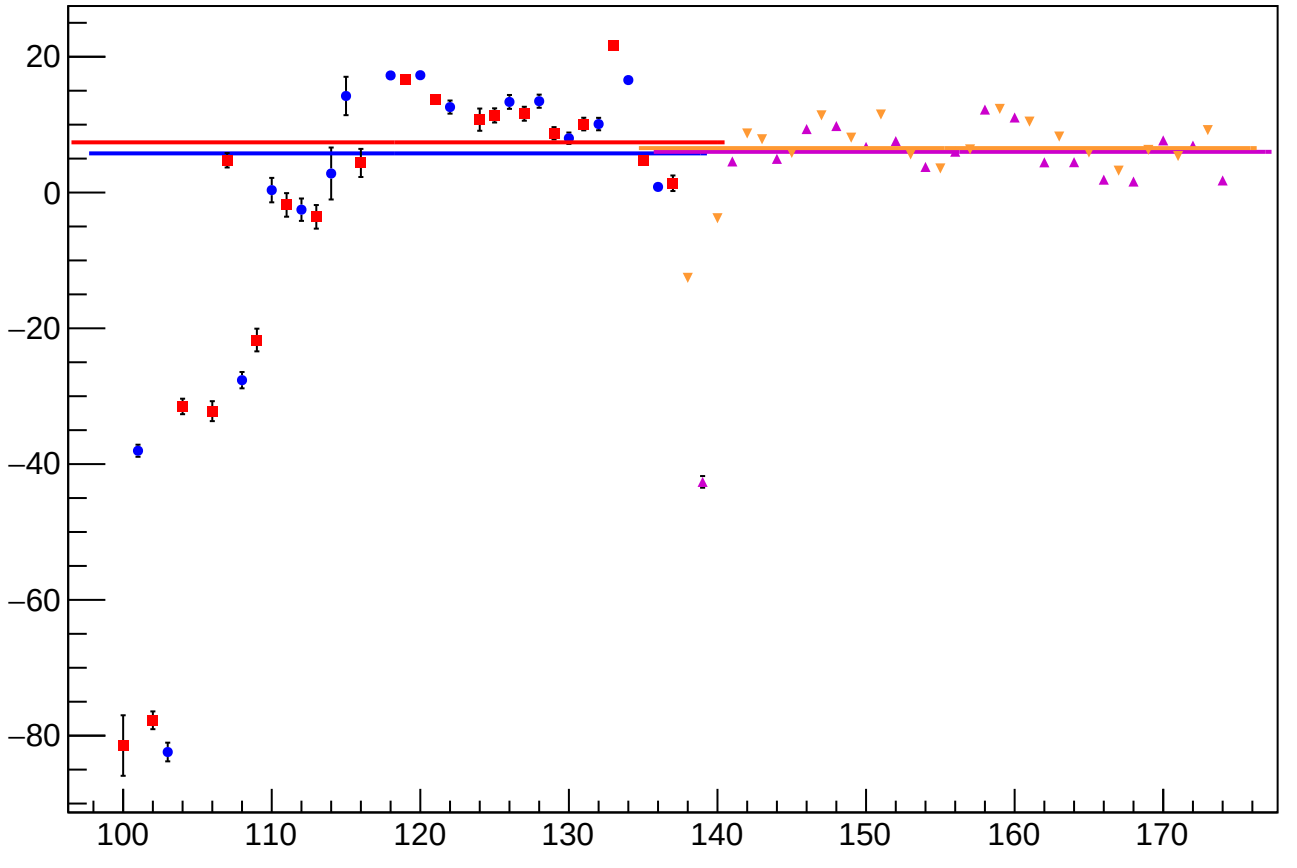
Left: 8.444+/-0.089 χ^2/NDF: 8056.6/36

Right: 1.481+/-0.158 χ^2/NDF: 1653.8/34

In: 7.219+/-0.109 χ^2/NDF:5571.1/33

Out: 6.311+/-0.110 χ^2/NDF:5582.8/37

All: 6.766+/-0.077 χ^2/NDF: 11188.2/71



Right In: 5.768+/-0.210 χ^2/NDF: 8933.8/15

Left Out: 6.546+/-0.090 χ^2/NDF:2975.5/18

Right Out: 7.393+/-0.209 χ^2/NDF: 8390.6/18

Left In: 5.996+/-0.091 χ^2/NDF:4301.7/17

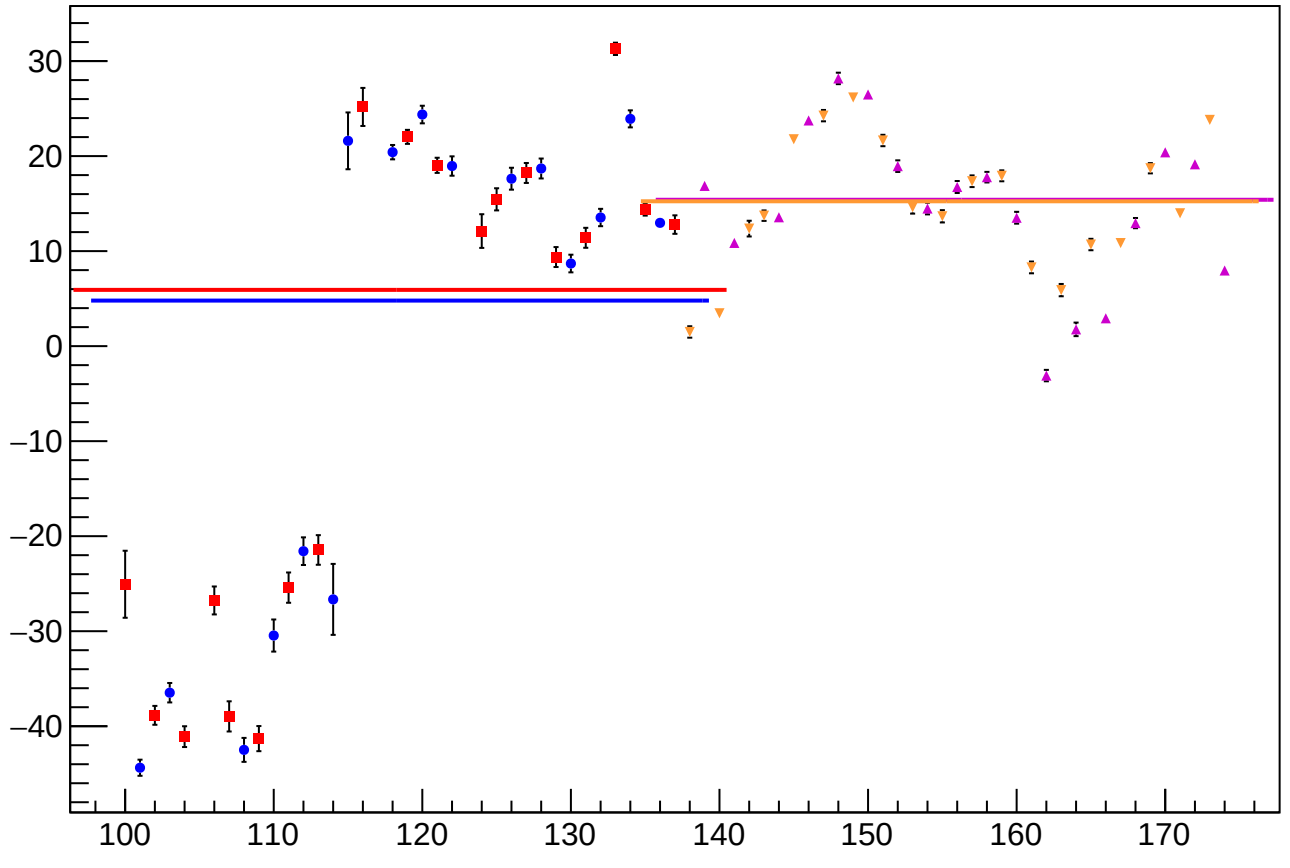
Left: 6.275+/-0.064 χ^2/NDF: 7295.5/36

Right: 6.585+/-0.148 χ^2/NDF: 17354.6/34

In: 5.959+/-0.084 χ^2/NDF:13236.5/33

Out: 6.679+/-0.083 χ^2/NDF:11379.9/37

All: 6.324+/-0.059 χ^2/NDF: 24653.7/71



Right In: 4.794+/-0.237 χ^2/NDF: 9496.9/15

Left Out: 15.244+/-0.125 χ^2/NDF:3386.7/18

Right Out: 5.921+/-0.240 χ^2/NDF: 10059.4/18

Left In: 15.404+/-0.124 χ^2/NDF:3968.8/17

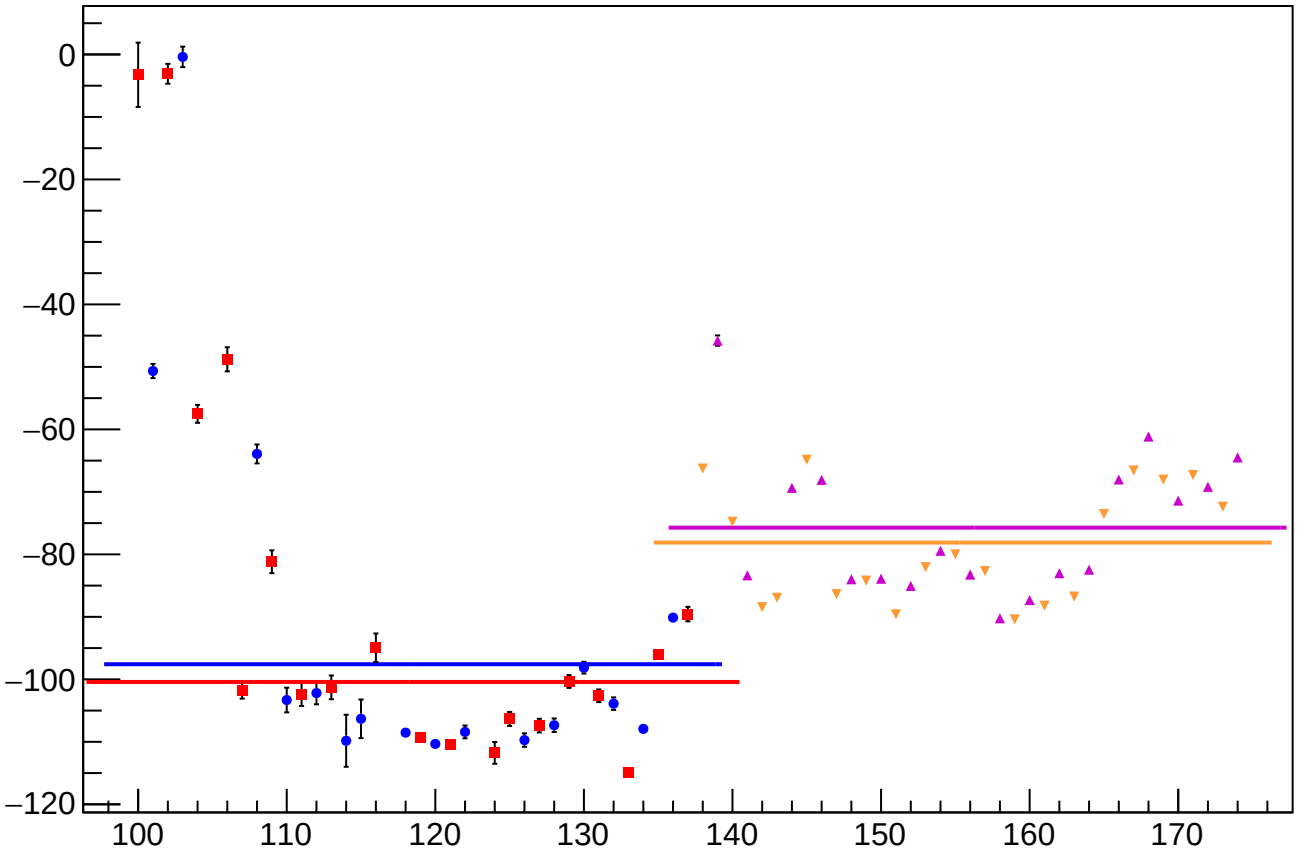
Left: 15.325+/-0.088 χ^2/NDF: 7356.3/36

Right: 5.352+/-0.169 χ^2/NDF: 19567.4/34

In: 13.131+/-0.110 χ^2/NDF:15035.2/33

Out: 13.260+/-0.111 χ^2/NDF:14635.1/37

All: 13.195+/-0.078 χ^2/NDF: 29671.0/71



Right In: -97.581+/-0.242 χ^2/NDF: 7144.2/15

Left Out: -78.109+/-0.103 χ^2/NDF:7737.1/18

Right Out: -100.418+/-0.241 χ^2/NDF: 7115.7/18

Left In: -75.724+/-0.104 χ^2/NDF:8253.7/17

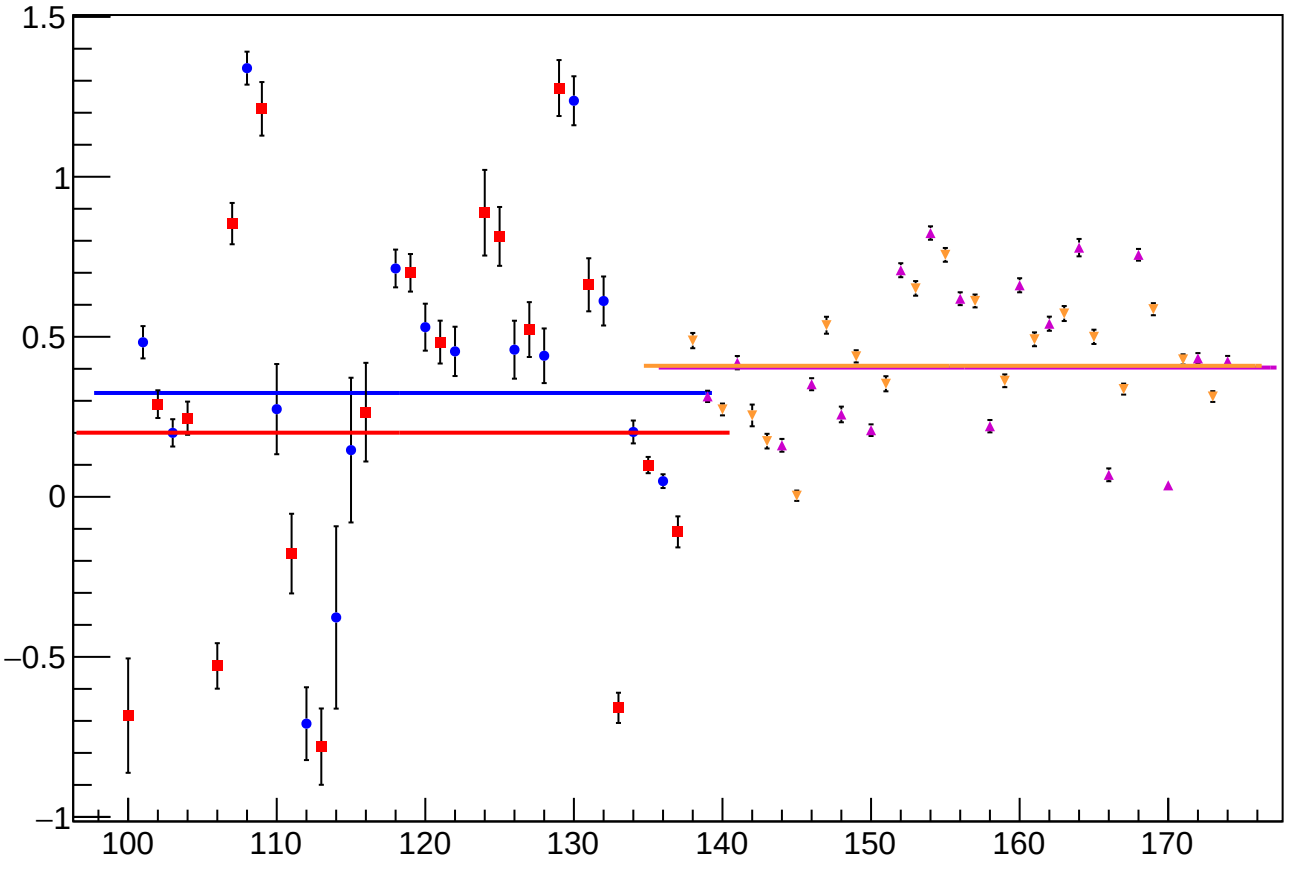
Left: -76.927+/-0.073 χ^2/NDF: 16254.6/36

Right: -99.004+/-0.171 χ^2/NDF: 14329.0/34

In: -79.155+/-0.096 χ^2/NDF:22292.5/33

Out: -81.575+/-0.095 χ^2/NDF:22091.8/37

All: -80.375+/-0.067 χ^2/NDF: 44706.2/71



Right In: 0.324+/-0.013 χ^2/NDF: 886.5/15

Left Out: 0.409+/-0.005 χ^2/NDF:1548.2/18

Right Out: 0.200+/-0.014 χ^2/NDF: 1206.3/18

Left In: 0.404+/-0.005 χ^2/NDF:2698.4/17

Left: 0.407+/-0.003 χ^2/NDF: 4247.4/36

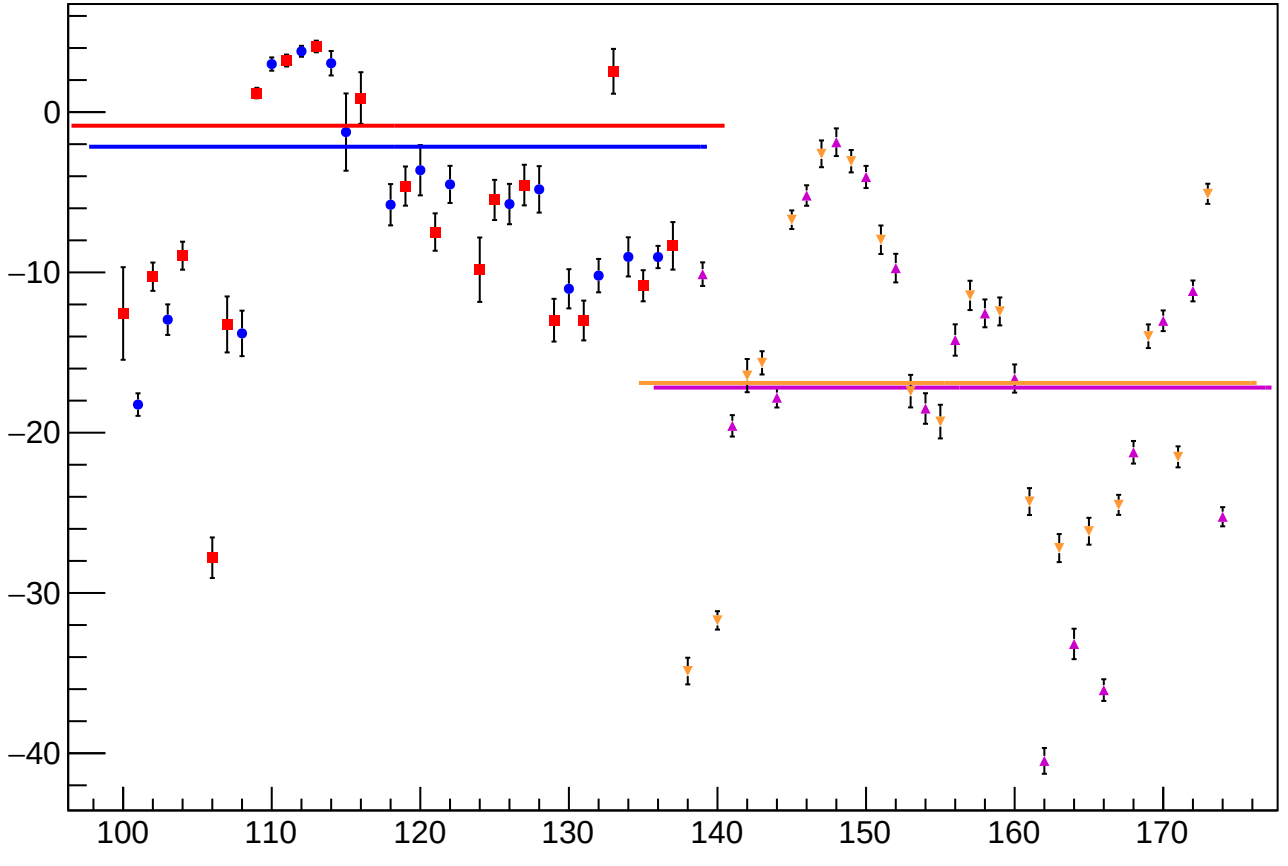
Right: 0.265+/-0.010 χ^2/NDF: 2134.6/34

In: 0.395+/-0.004 χ^2/NDF:3616.8/33

Out: 0.388+/-0.004 χ^2/NDF:2959.1/37

All: 0.392+/-0.003 χ^2/NDF: 6577.3/71

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -2.159+/-0.192 χ^2/NDF: 1491.0/15

Left Out: -16.897+/-0.175 χ^2/NDF:3202.9/18

Right Out: -0.848+/-0.170 χ^2/NDF: 1465.4/18

Left In: -17.186+/-0.174 χ^2/NDF:3481.5/17

Left: -17.042+/-0.123 χ^2/NDF: 6685.7/36

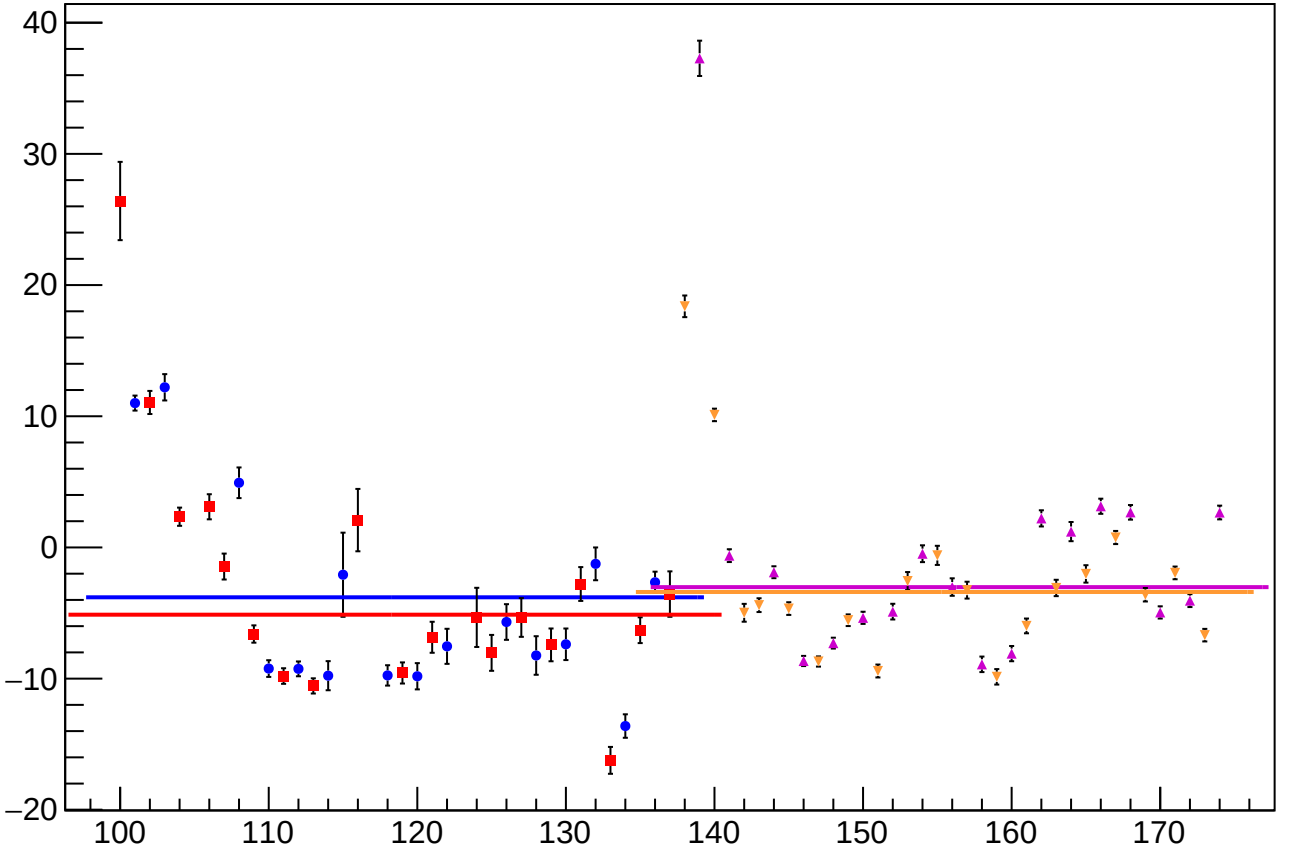
Right: -1.426+/-0.127 χ^2/NDF: 2982.5/34

In: -10.411+/-0.129 χ^2/NDF:8336.8/33

Out: -8.681+/-0.122 χ^2/NDF:8997.3/37

All: -9.498+/-0.089 χ^2/NDF: 17429.2/71

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.800+/-0.226 χ^2/NDF: 1425.5/15

Left Out: -3.395+/-0.124 χ^2/NDF:2156.5/18

Right Out: -5.126+/-0.219 χ^2/NDF: 980.6/18

Left In: -3.025+/-0.126 χ^2/NDF:1934.1/17

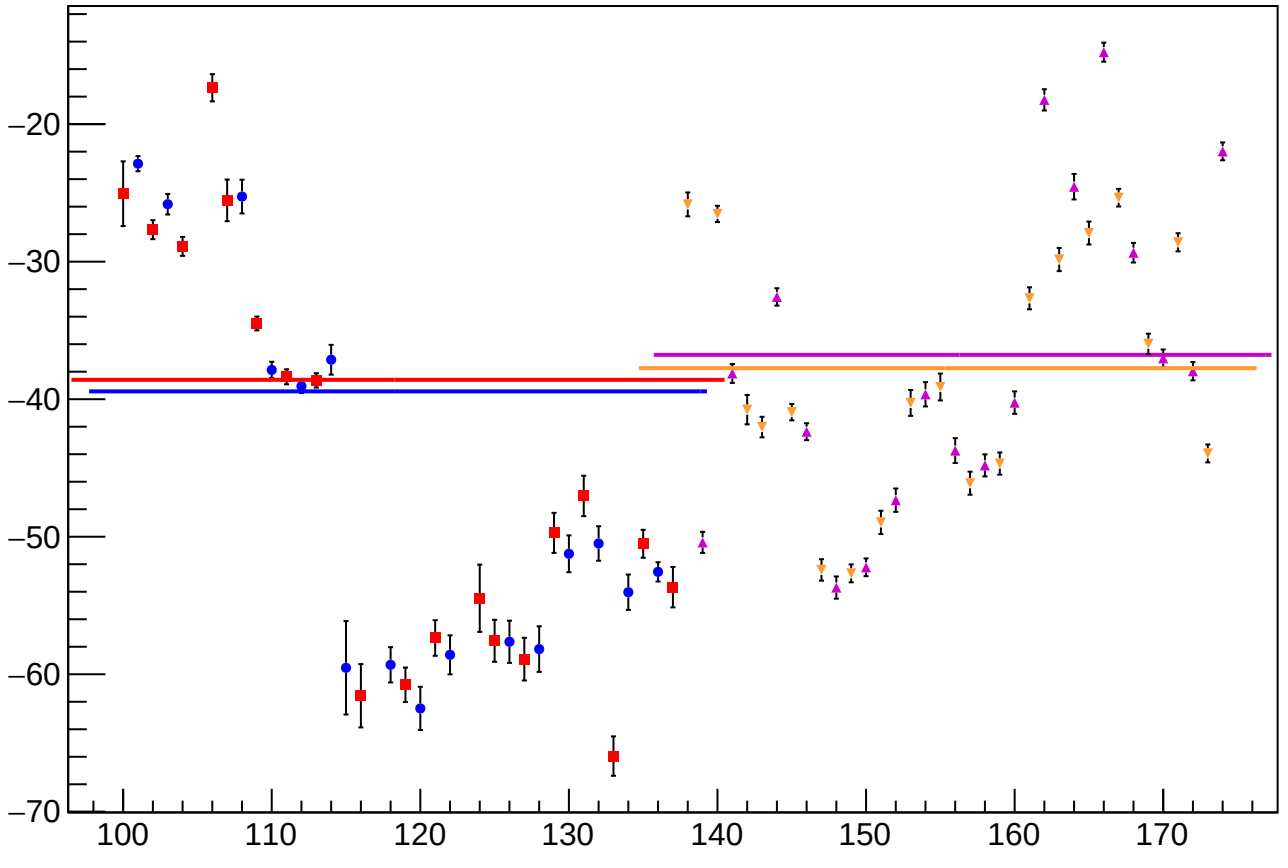
Left: -3.213+/-0.088 χ^2/NDF: 4094.9/36

Right: -4.484+/-0.157 χ^2/NDF: 2423.8/34

In: -3.209+/-0.110 χ^2/NDF:3368.6/33

Out: -3.814+/-0.108 χ^2/NDF:3184.5/37

All: -3.518+/-0.077 χ^2/NDF: 6568.5/71



Right In: -39.431+/-0.225 χ^2/NDF: 2958.1/15

Left Out: -37.743+/-0.173 χ^2/NDF:2785.7/18

Right Out: -38.593+/-0.213 χ^2/NDF: 2772.1/18

Left In: -36.776+/-0.172 χ^2/NDF:4198.9/17

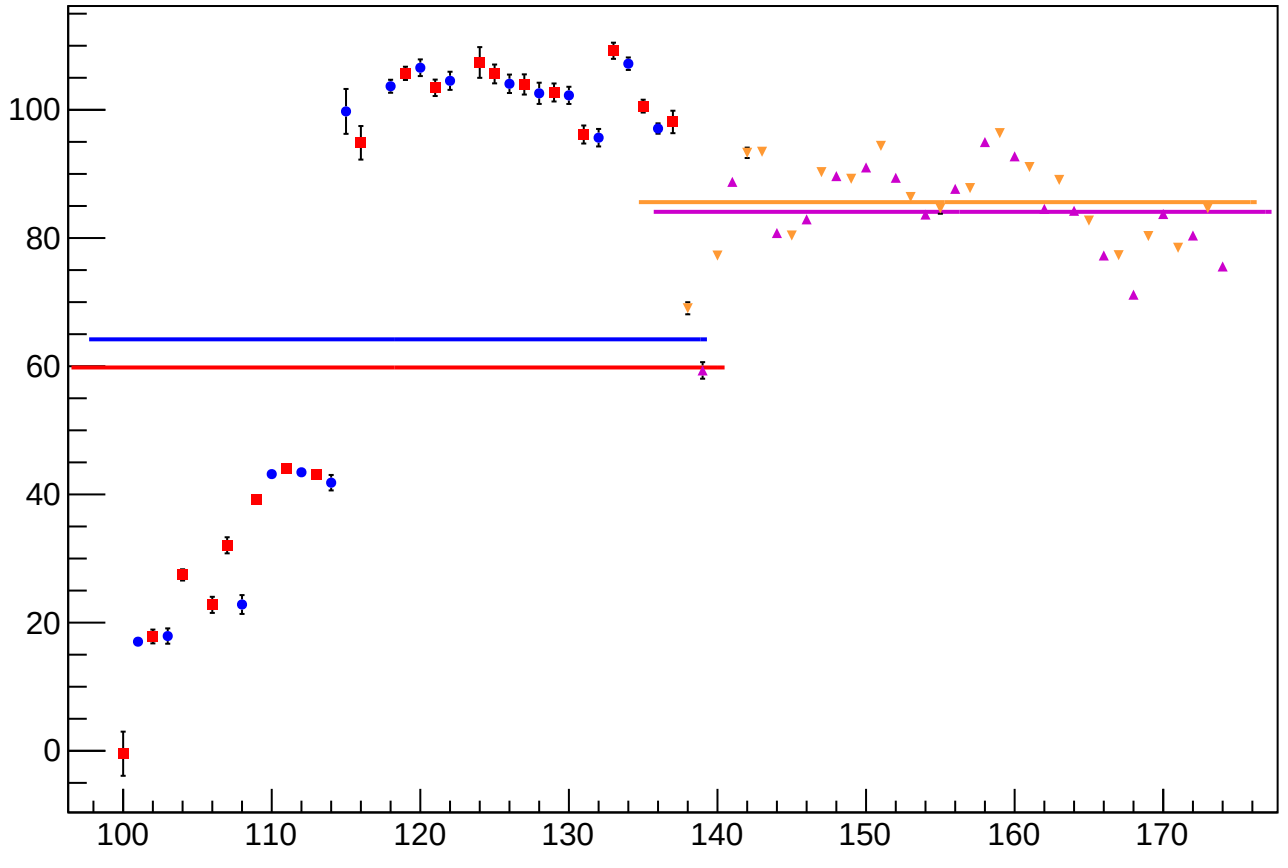
Left: -37.258+/-0.122 χ^2/NDF: 7000.4/36

Right: -38.987+/-0.155 χ^2/NDF: 5737.6/34

In: -37.753+/-0.137 χ^2/NDF:7244.7/33

Out: -38.080+/-0.134 χ^2/NDF:5567.5/37

All: -37.920+/-0.096 χ^2/NDF: 12815.2/71



Right In: 64.196+/-0.258 χ^2/NDF: 18596.4/15

Left Out: 85.601+/-0.142 χ^2/NDF:2113.3/18

Right Out: 59.805+/-0.249 χ^2/NDF: 17431.2/18

Left In: 84.086+/-0.144 χ^2/NDF:2122.8/17

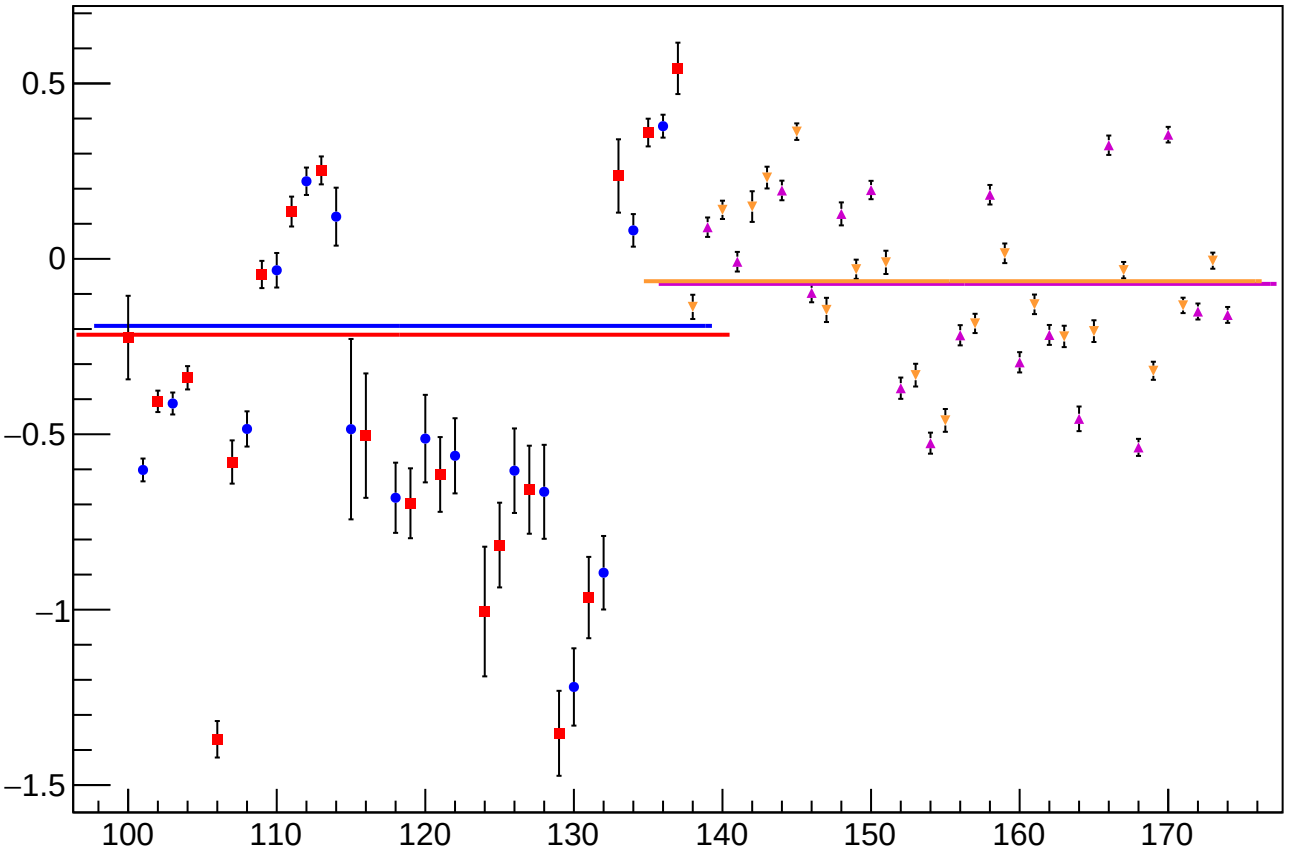
Left: 84.851+/-0.101 χ^2/NDF: 4292.2/36

Right: 61.924+/-0.179 χ^2/NDF: 36178.0/34

In: 79.363+/-0.125 χ^2/NDF:25268.9/33

Out: 79.247+/-0.123 χ^2/NDF:27650.2/37

All: 79.304+/-0.088 χ^2/NDF: 52919.6/71



Right In: -0.191+/-0.013 χ^2/NDF: 918.3/15

Left Out: -0.064+/-0.006 χ^2/NDF:931.1/18

Right Out: -0.216+/-0.013 χ^2/NDF: 1368.1/18

Left In: -0.071+/-0.006 χ^2/NDF:1876.3/17

Left: -0.068+/-0.005 χ^2/NDF: 2808.1/36

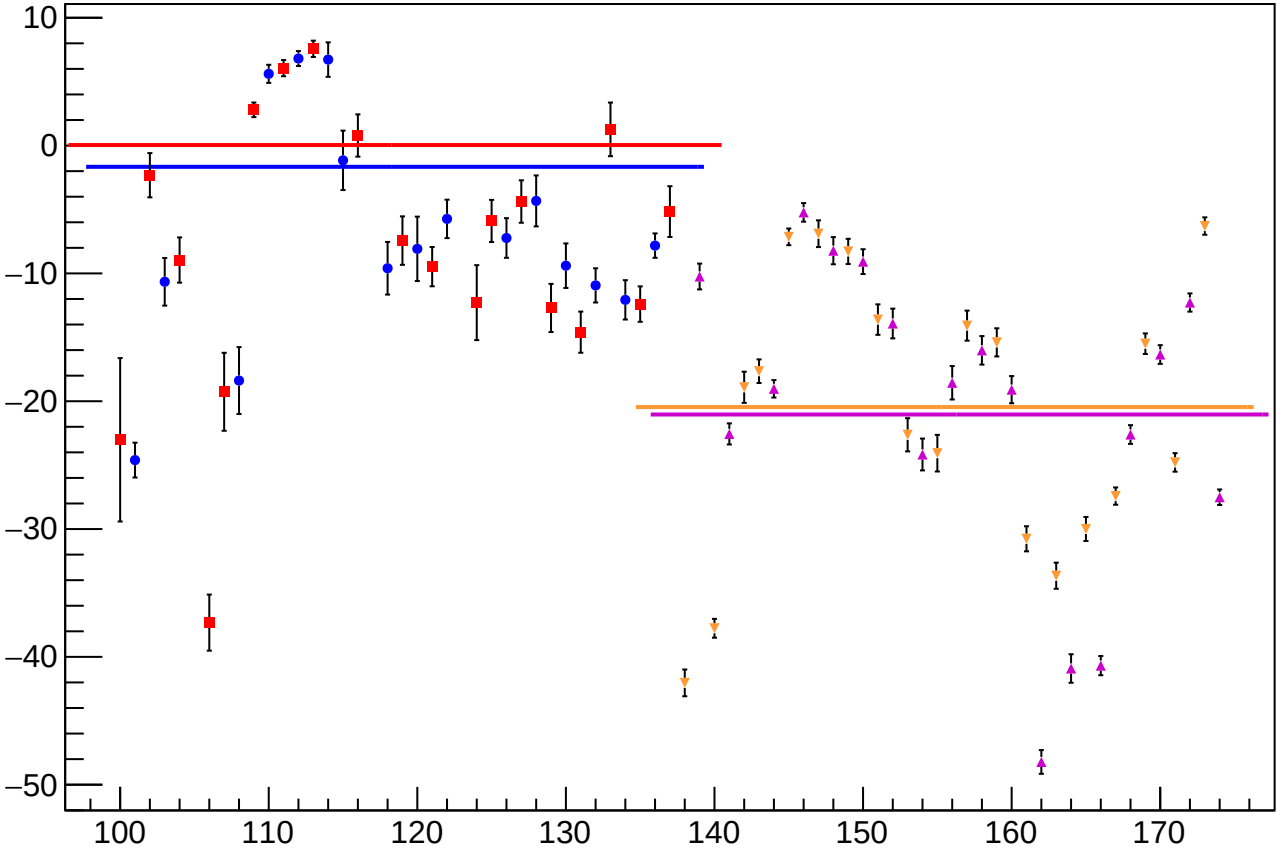
Right: -0.204+/-0.009 χ^2/NDF: 2288.3/34

In: -0.093+/-0.006 χ^2/NDF:2859.4/33

Out: -0.094+/-0.006 χ^2/NDF:2410.5/37

All: -0.094+/-0.004 χ^2/NDF: 5269.9/71

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.661+/-0.308 χ^2/NDF: 900.3/15

Left Out: -20.457+/-0.208 χ^2/NDF:2807.5/18

Right Out: 0.042+/-0.282 χ^2/NDF: 931.1/18

Left In: -21.038+/-0.203 χ^2/NDF:3139.9/17

Left: -20.754+/-0.145 χ^2/NDF: 5951.4/36

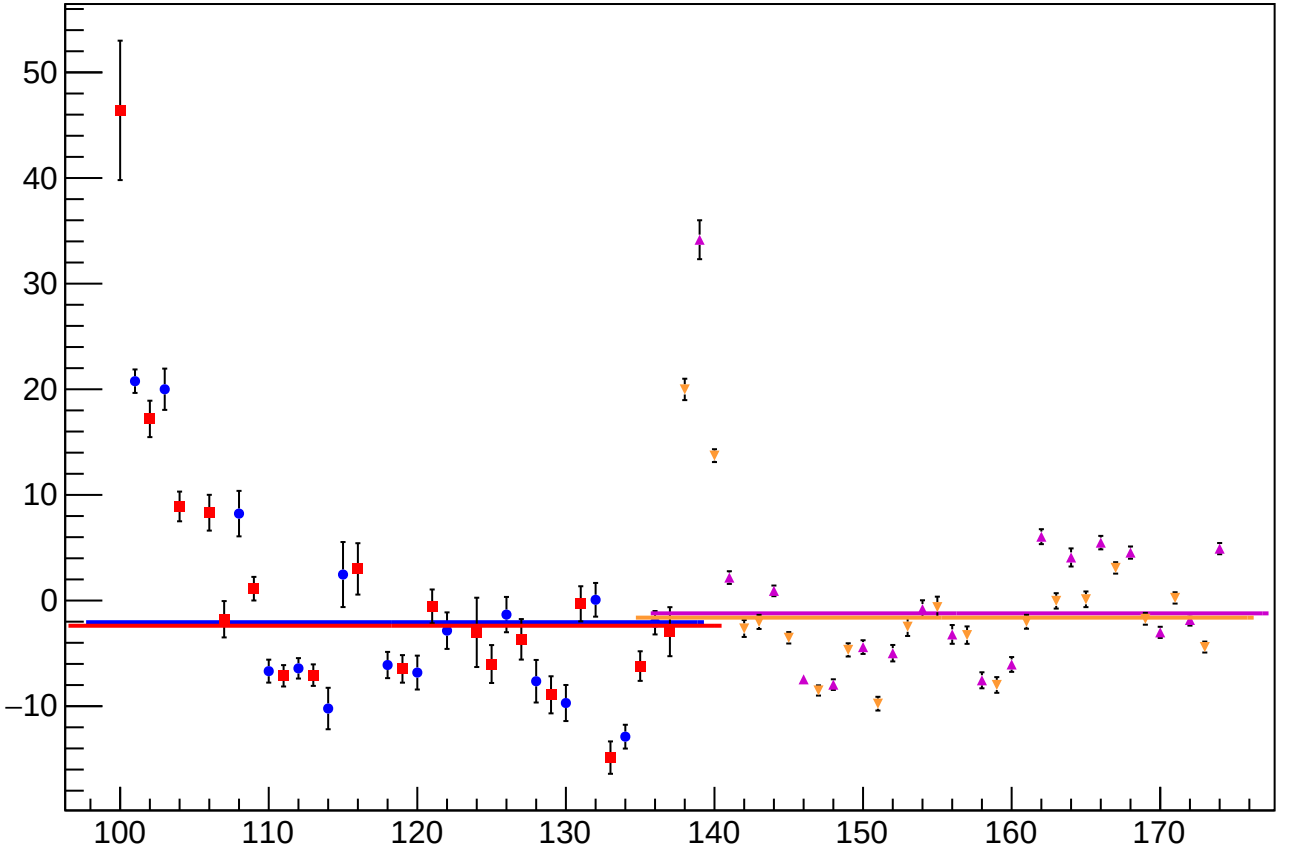
Right: -0.734+/-0.208 χ^2/NDF: 1848.1/34

In: -15.166+/-0.170 χ^2/NDF:6797.6/33

Out: -13.235+/-0.167 χ^2/NDF:7163.5/37

All: -14.188+/-0.119 χ^2/NDF: 14026.7/71

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: -1.618+/-0.148 χ^2/NDF:1698.6/18

Right Out: -2.386+/-0.355 χ^2/NDF: 450.9/18

Left In: -1.214+/-0.147 χ^2/NDF:1475.5/17

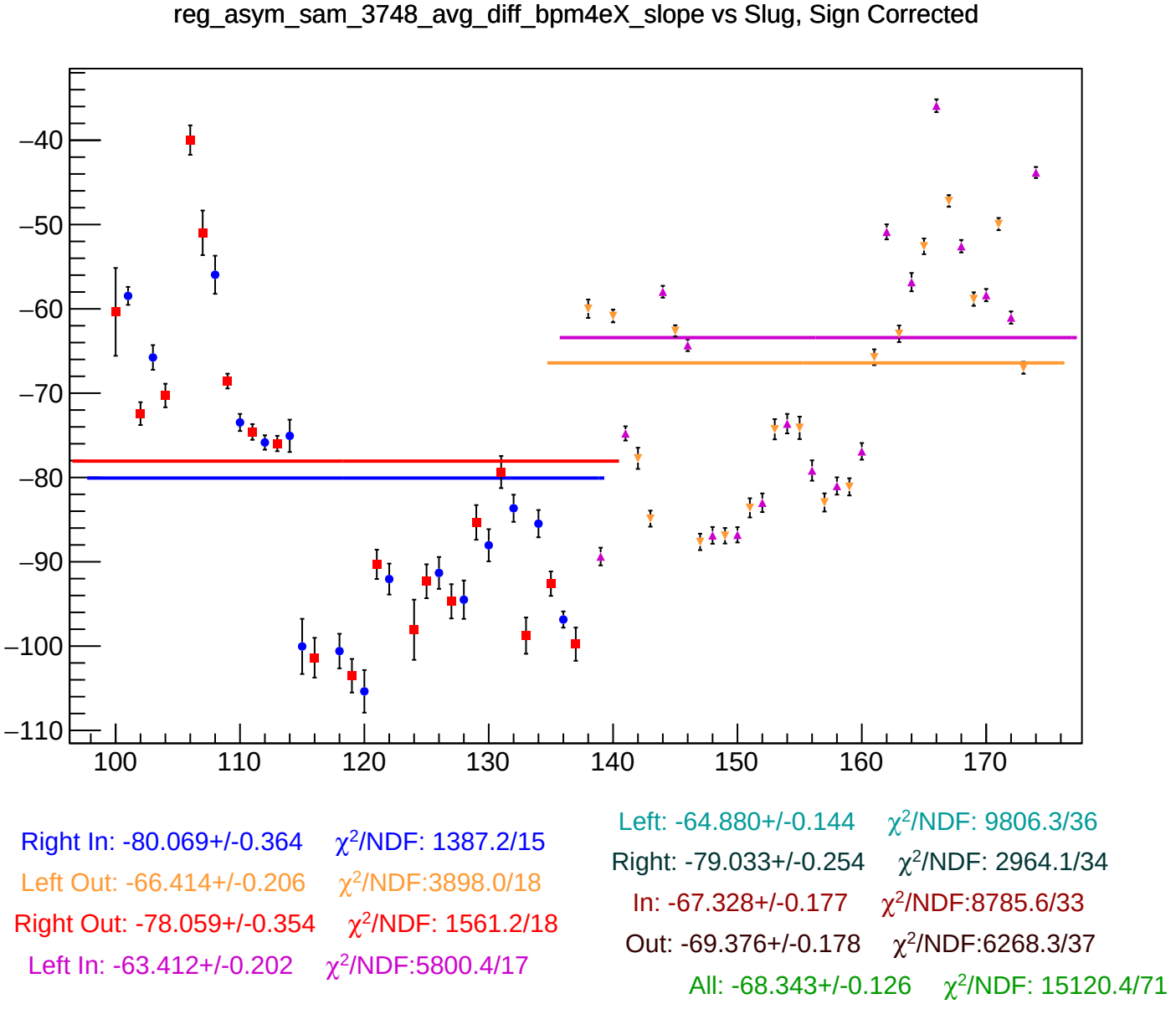
Left: -1.414+/-0.104 χ^2/NDF: 3177.9/36

Right: -2.218+/-0.252 χ^2/NDF: 1223.3/34

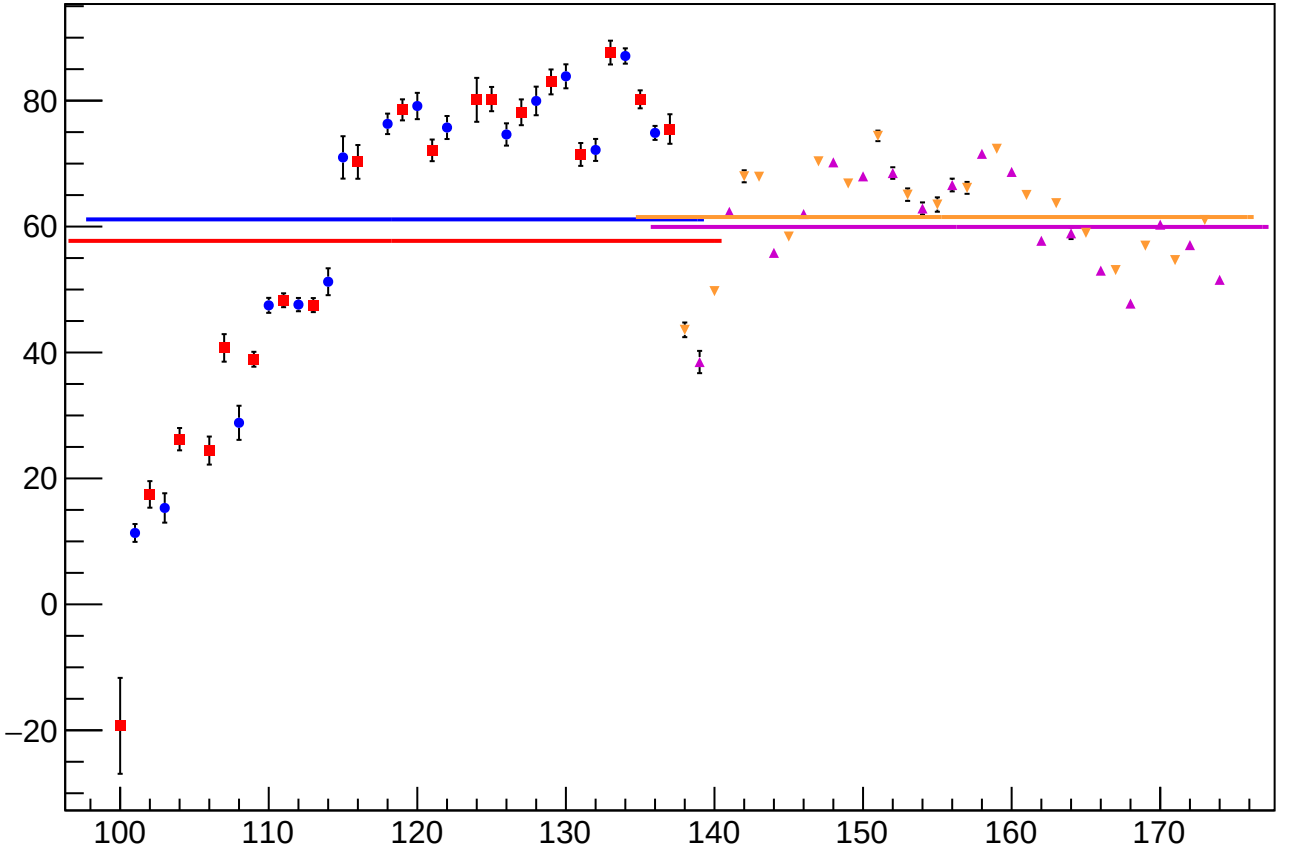
In: -1.336+/-0.136 χ^2/NDF:2252.1/33

Out: -1.731+/-0.137 χ^2/NDF:2153.5/37

All: -1.532+/-0.096 χ^2/NDF: 4409.9/71


reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
110
120
130
140
150
160
170
Right In: -80.069+/-0.364 χ²/NDF: 1387.2/15
Left Out: -66.414+/-0.206 χ²/NDF:3898.0/18
Right Out: -78.059+/-0.354 χ²/NDF: 1561.2/18
Left In: -63.412+/-0.202 χ²/NDF:5800.4/17
Left: -64.880+/-0.144 χ²/NDF: 9806.3/36
Right: -79.033+/-0.254 χ²/NDF: 2964.1/34
In: -67.328+/-0.177 χ²/NDF:8785.6/33
Out: -69.376+/-0.178 χ²/NDF:6268.3/37
All: -68.343+/-0.126 χ²/NDF: 15120.4/71

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: 61.514+/-0.169 χ^2/NDF:1766.2/18

Right Out: 57.728+/-0.400 χ^2/NDF: 2775.6/18

Left In: 59.943+/-0.168 χ^2/NDF:1726.7/17

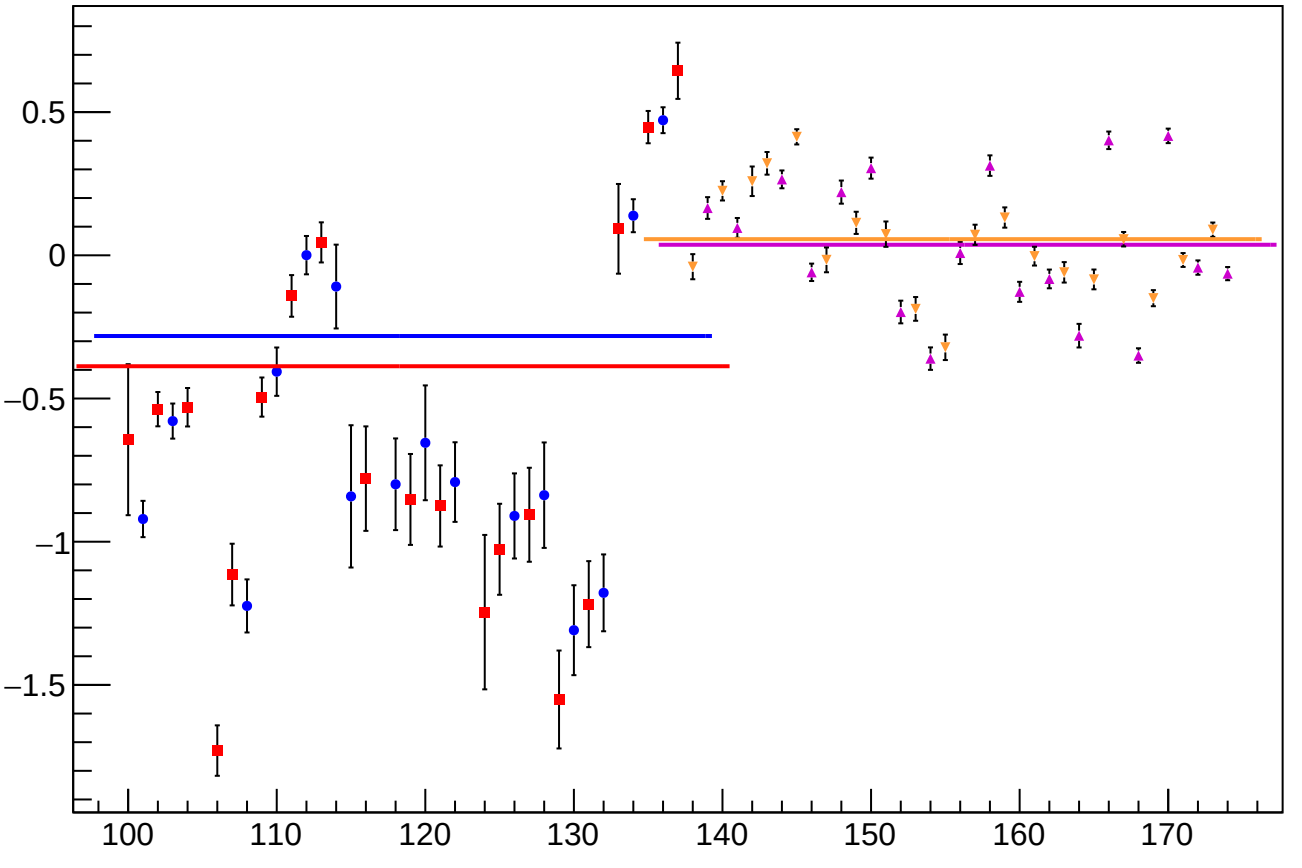
Left: 60.721+/-0.119 χ^2/NDF: 3536.2/36

Right: 59.431+/-0.283 χ^2/NDF: 6041.2/34

In: 60.122+/-0.155 χ^2/NDF:4963.5/33

Out: 60.938+/-0.156 χ^2/NDF:4617.8/37

All: 60.527+/-0.110 χ^2/NDF: 9595.0/71



Right In: -0.282+/-0.022 χ^2/NDF: 728.2/15

Left Out: 0.056+/-0.008 χ^2/NDF:481.9/18

Right Out: -0.387+/-0.022 χ^2/NDF: 818.7/18

Left In: 0.037+/-0.008 χ^2/NDF:1073.4/17

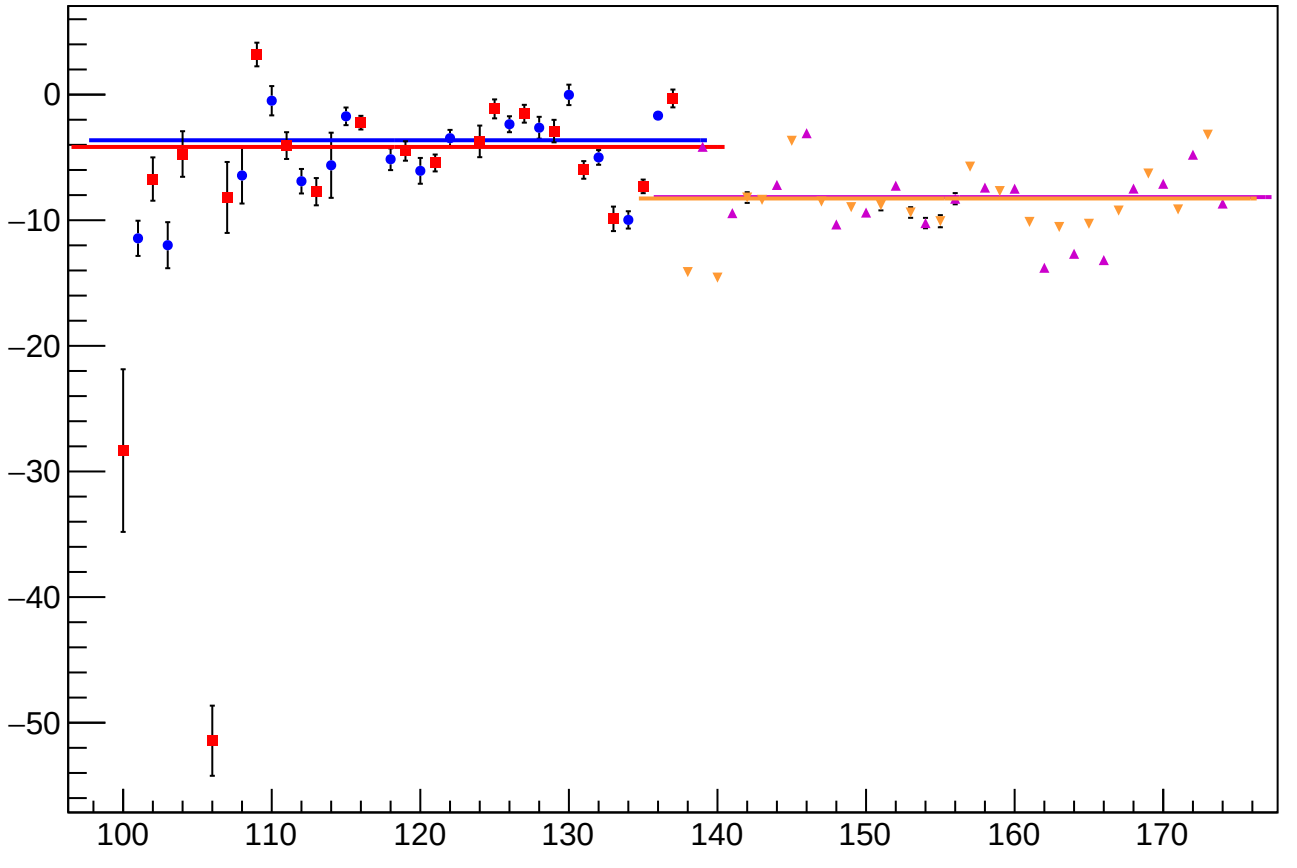
Left: 0.046+/-0.005 χ^2/NDF: 1558.5/36

Right: -0.334+/-0.015 χ^2/NDF: 1558.7/34

In: 0.003+/-0.007 χ^2/NDF:1995.2/33

Out: 0.008+/-0.007 χ^2/NDF:1665.9/37

All: 0.005+/-0.005 χ^2/NDF: 3661.3/71



Right In: -3.634+/-0.189 χ^2/NDF: 234.8/15

Left Out: -8.269+/-0.068 χ^2/NDF:2165.2/18

Right Out: -4.167+/-0.199 χ^2/NDF: 529.7/18

Left In: -8.159+/-0.066 χ^2/NDF:2002.6/17

Left: -8.212+/-0.047 χ^2/NDF: 4169.2/36

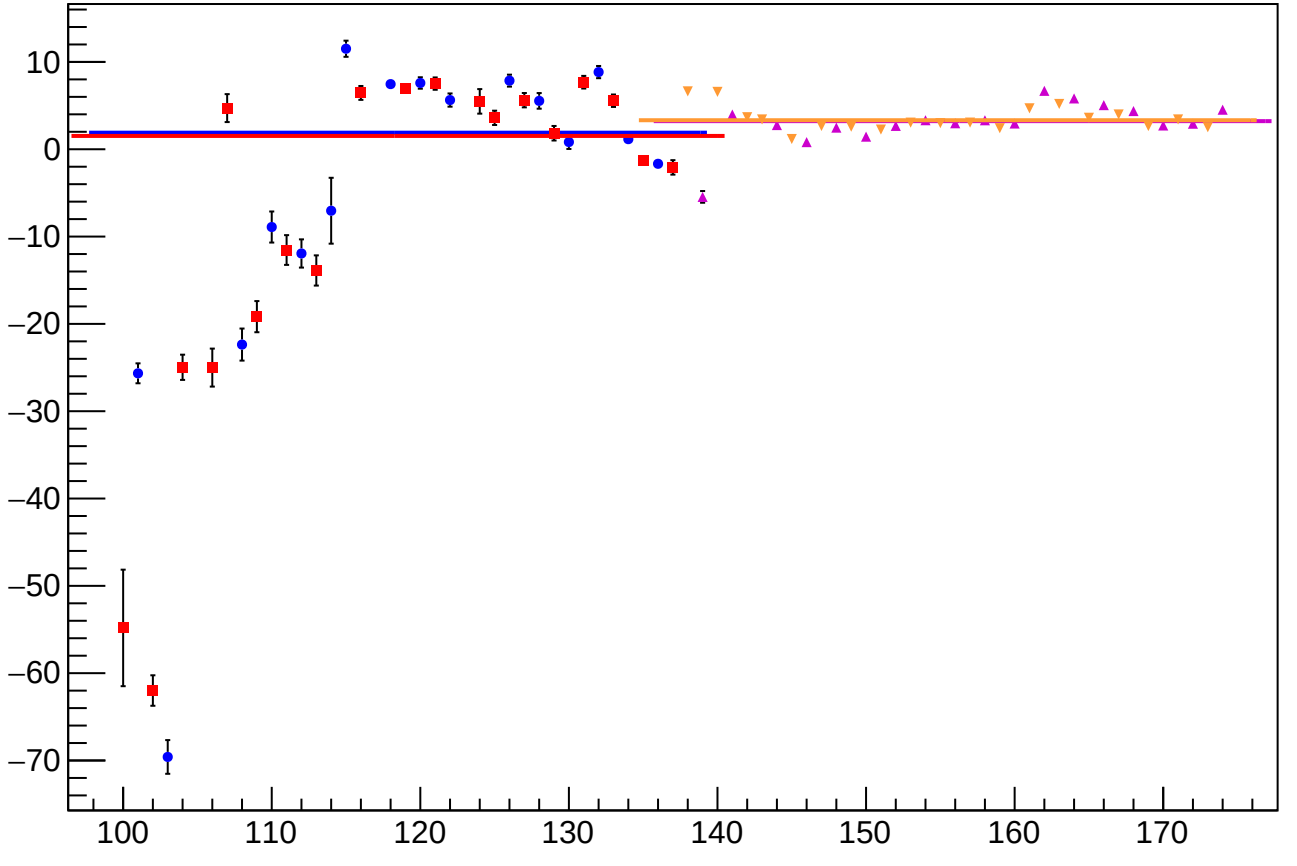
Right: -3.886+/-0.137 χ^2/NDF: 768.2/34

In: -7.672+/-0.062 χ^2/NDF:2748.8/33

Out: -7.842+/-0.064 χ^2/NDF:3073.9/37

All: -7.754+/-0.045 χ^2/NDF: 5826.4/71

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.898+/-0.189 χ^2/NDF: 2838.2/15

Left Out: 3.324+/-0.049 χ^2/NDF:695.0/18

Right Out: 1.525+/-0.208 χ^2/NDF: 2559.8/18

Left In: 3.220+/-0.048 χ^2/NDF:1122.0/17

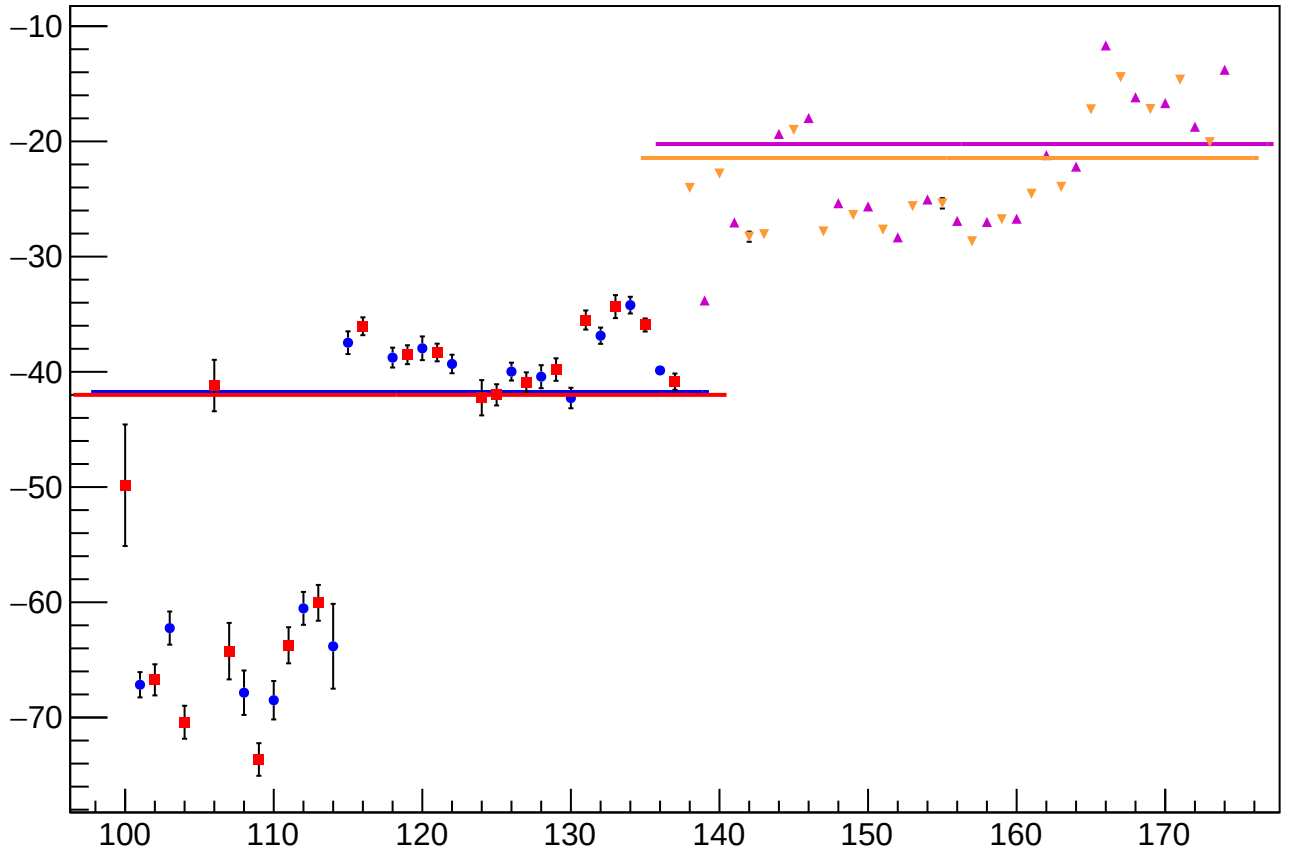
Left: 3.271+/-0.034 χ^2/NDF: 1819.3/36

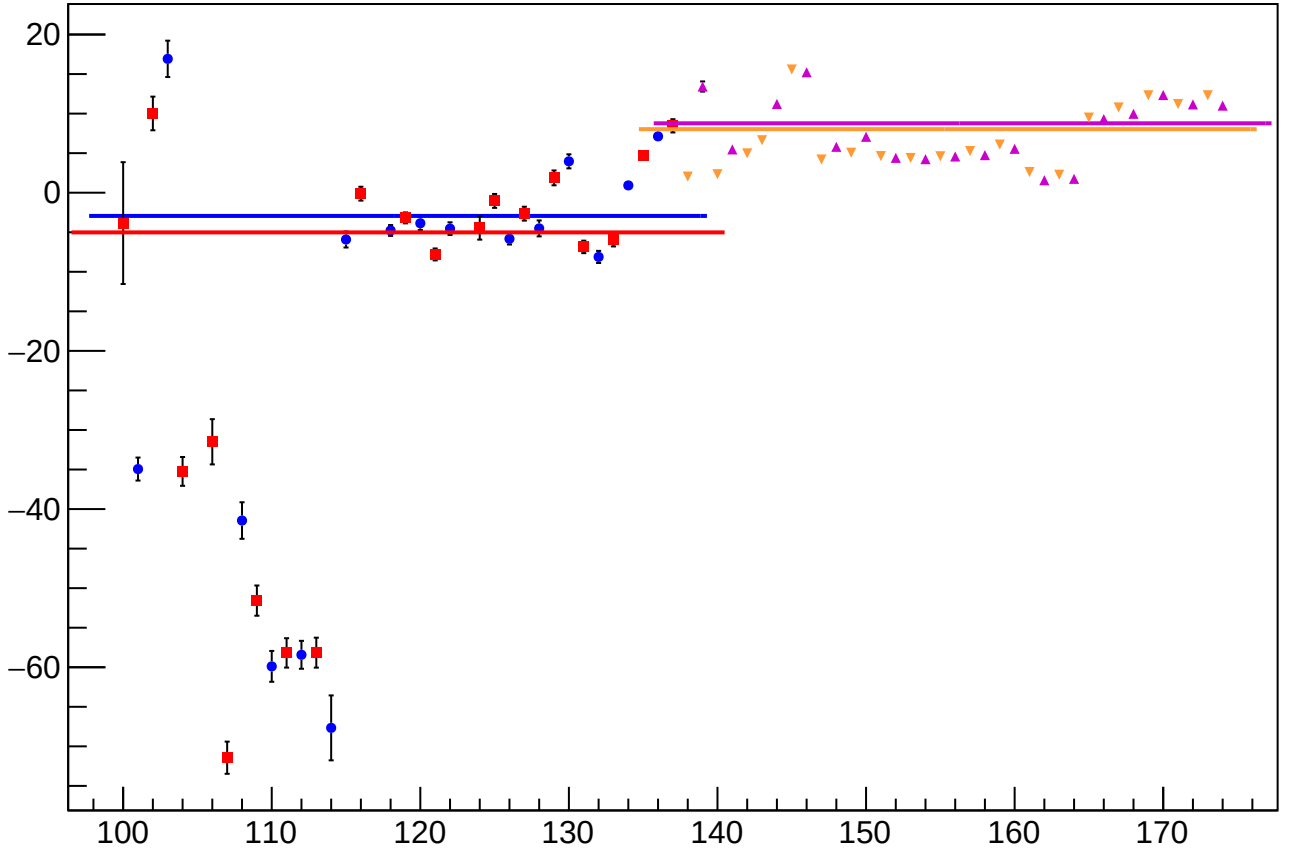
Right: 1.730+/-0.140 χ^2/NDF: 5399.7/34

In: 3.140+/-0.046 χ^2/NDF:4006.1/33

Out: 3.231+/-0.047 χ^2/NDF:3325.5/37

All: 3.184+/-0.033 χ^2/NDF: 7333.5/71


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: -21.438+/-0.068 χ²/NDF:5178.4/18
Right Out: -41.999+/-0.228 χ²/NDF: 1985.2/18
Left In: -20.230+/-0.065 χ²/NDF:7026.9/17
Left: -20.814+/-0.047 χ²/NDF: 12370.4/36
Right: -41.863+/-0.154 χ²/NDF: 3619.8/34
In: -22.170+/-0.062 χ²/NDF:18435.8/33
Out: -23.095+/-0.065 χ²/NDF:14623.3/37
All: -22.615+/-0.045 χ²/NDF: 33164.8/71



Right In: -2.936+/-0.210 χ^2/NDF: 3725.6/15

Left Out: 8.033+/-0.055 χ^2/NDF:5886.2/18

Right Out: -5.018+/-0.232 χ^2/NDF: 4377.3/18

Left In: 8.774+/-0.054 χ^2/NDF:5302.9/17

Left: 8.411+/-0.039 χ^2/NDF: 11280.6/36

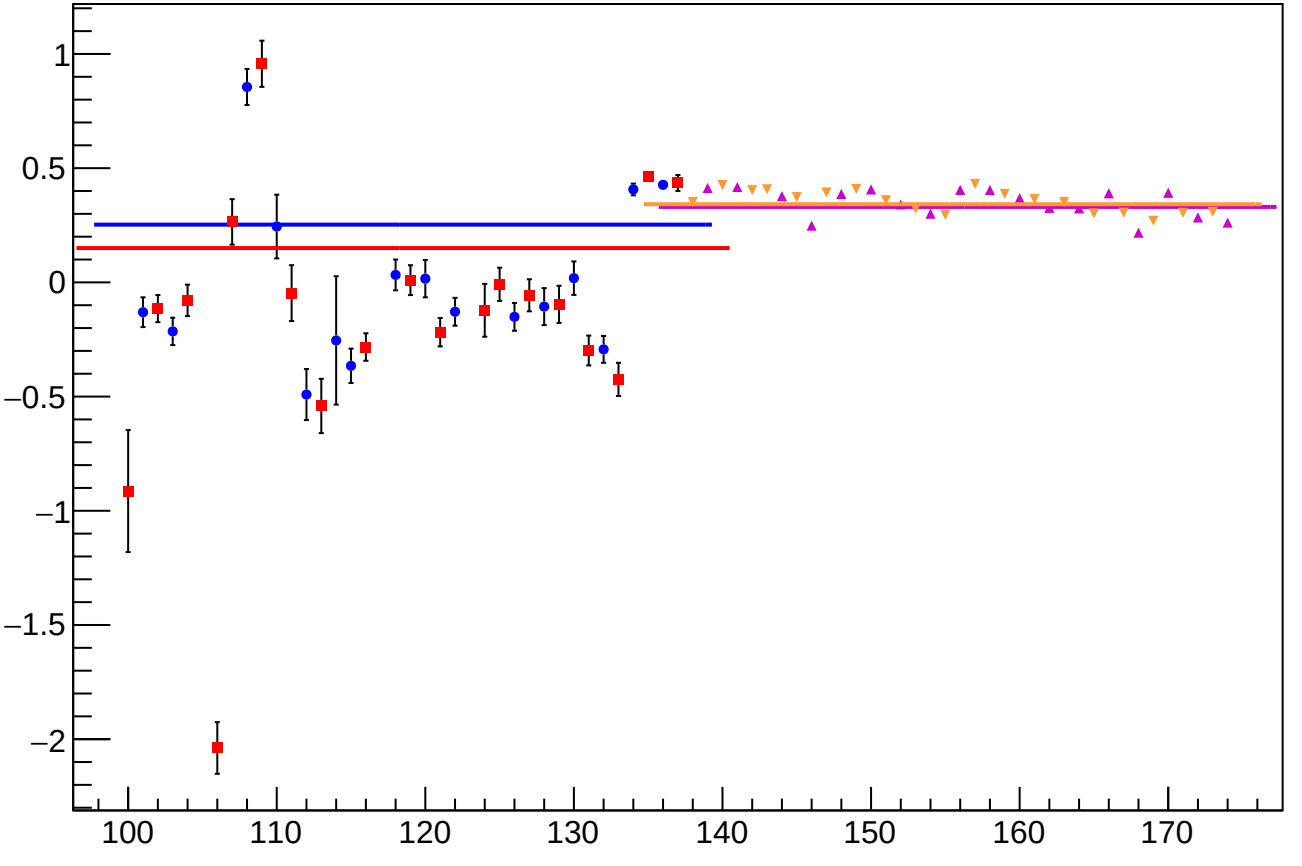
Right: -3.873+/-0.155 χ^2/NDF: 8147.2/34

In: 8.039+/-0.053 χ^2/NDF:11952.4/33

Out: 7.330+/-0.054 χ^2/NDF:13262.7/37

All: 7.693+/-0.038 χ^2/NDF: 25304.2/71

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.253+/-0.011 χ^2/NDF: 631.0/15

Left Out: 0.342+/-0.002 χ^2/NDF:368.8/18

Right Out: 0.150+/-0.013 χ^2/NDF: 1018.0/18

Left In: 0.330+/-0.002 χ^2/NDF:762.7/17

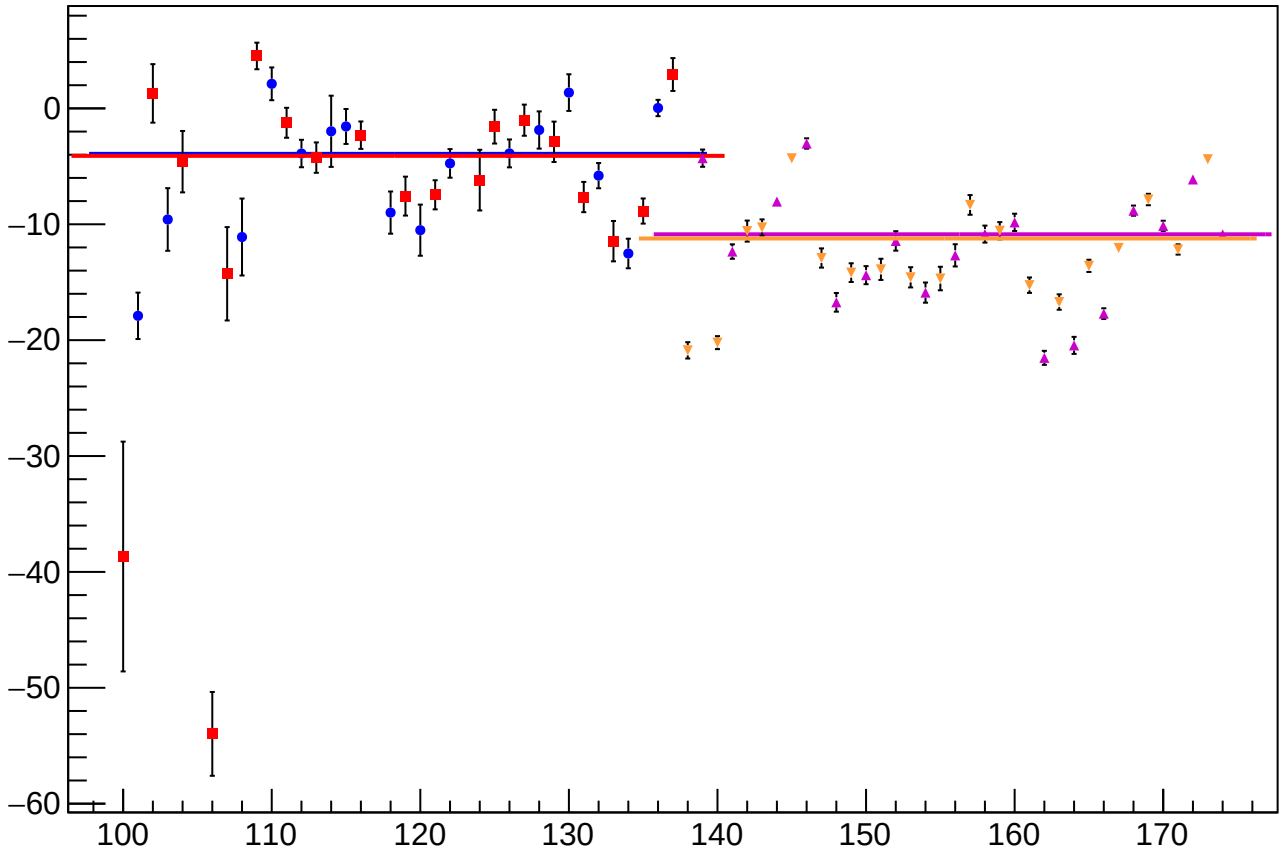
Left: 0.336+/-0.002 χ^2/NDF: 1143.0/36

Right: 0.209+/-0.009 χ^2/NDF: 1682.8/34

In: 0.327+/-0.002 χ^2/NDF:1437.4/33

Out: 0.336+/-0.002 χ^2/NDF:1586.3/37

All: 0.331+/-0.002 χ^2/NDF: 3030.1/71



Right In: -3.924+/-0.346 χ^2/NDF: 188.8/15

Left Out: -11.227+/-0.137 χ^2/NDF:1264.8/18

Right Out: -4.096+/-0.357 χ^2/NDF: 366.9/18

Left In: -10.866+/-0.131 χ^2/NDF:1389.2/17

Left: -11.038+/-0.095 χ^2/NDF: 2657.6/36

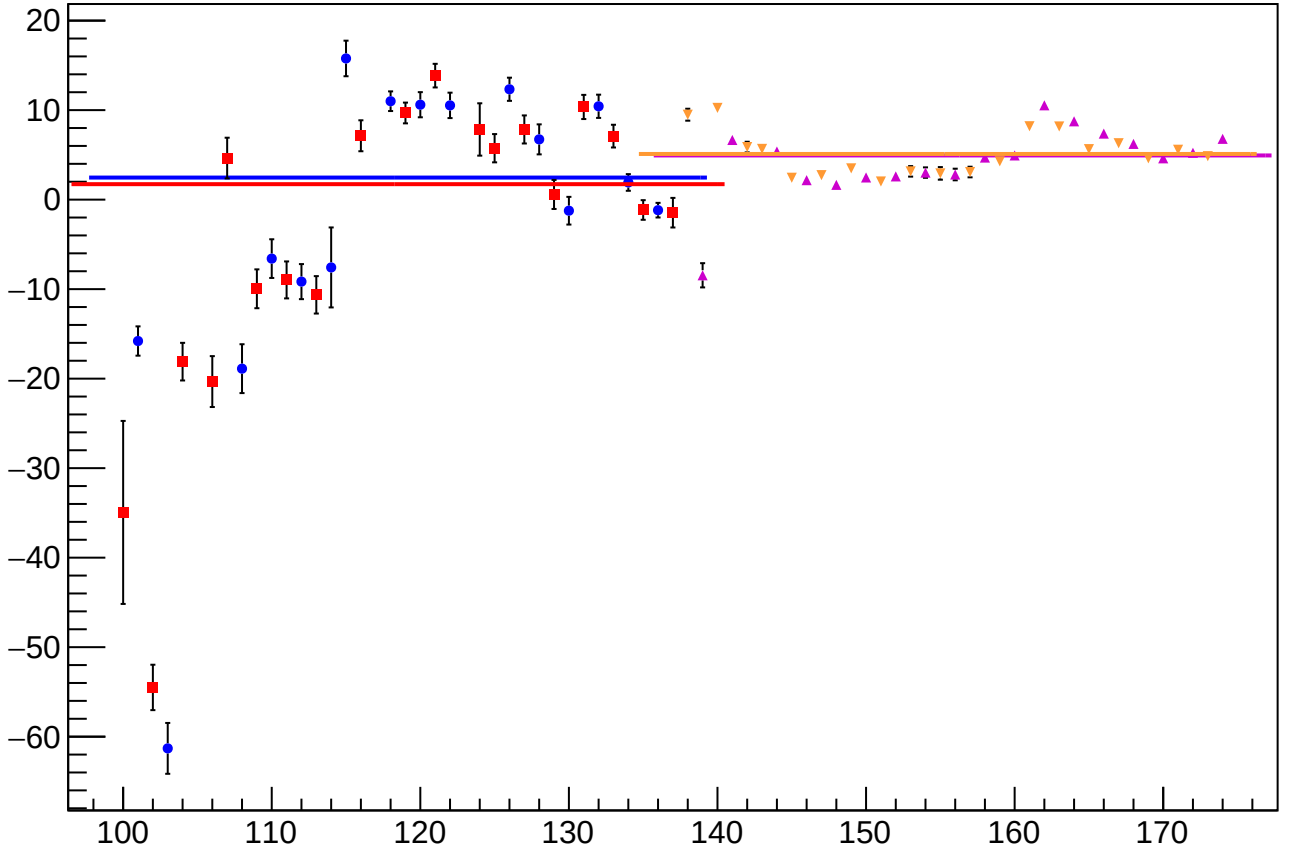
Right: -4.007+/-0.248 χ^2/NDF: 555.8/34

In: -9.998+/-0.122 χ^2/NDF:1930.1/33

Out: -10.313+/-0.128 χ^2/NDF:1979.8/37

All: -10.148+/-0.088 χ^2/NDF: 3913.1/71

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.465+/-0.357 χ^2/NDF: 1046.7/15

Left Out: 5.101+/-0.099 χ^2/NDF:471.7/18

Right Out: 1.728+/-0.386 χ^2/NDF: 983.1/18

Left In: 4.936+/-0.095 χ^2/NDF:645.5/17

Left: 5.016+/-0.069 χ^2/NDF: 1118.7/36

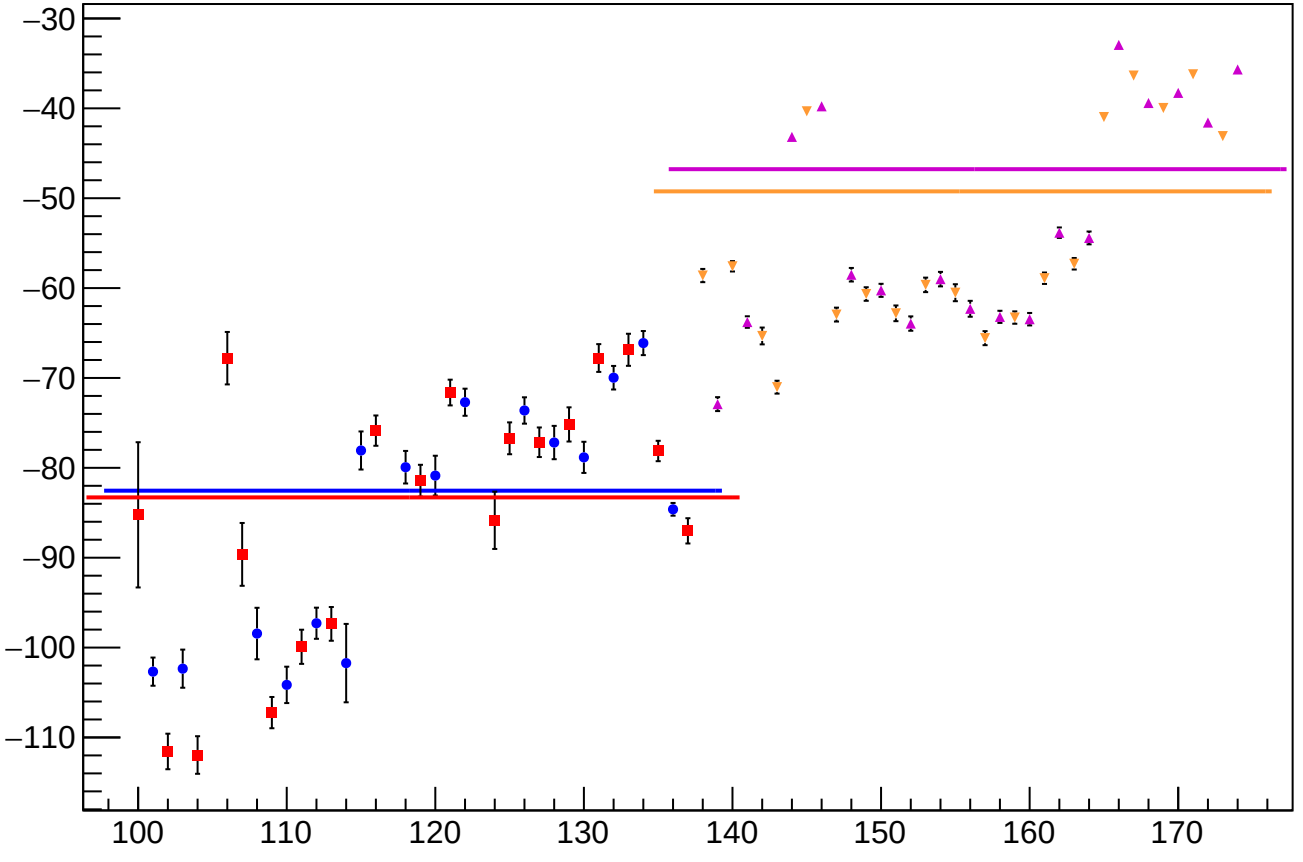
Right: 2.126+/-0.262 χ^2/NDF: 2031.8/34

In: 4.771+/-0.092 χ^2/NDF:1737.0/33

Out: 4.894+/-0.096 χ^2/NDF:1526.5/37

All: 4.831+/-0.066 χ^2/NDF: 3264.4/71

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.542+/-0.384 χ^2/NDF: 838.8/15

Left Out: -49.238+/-0.136 χ^2/NDF:6990.2/18

Right Out: -83.290+/-0.414 χ^2/NDF: 1092.6/18

Left In: -46.769+/-0.131 χ^2/NDF:7695.0/17

Left: -47.951+/-0.094 χ^2/NDF: 14855.9/36

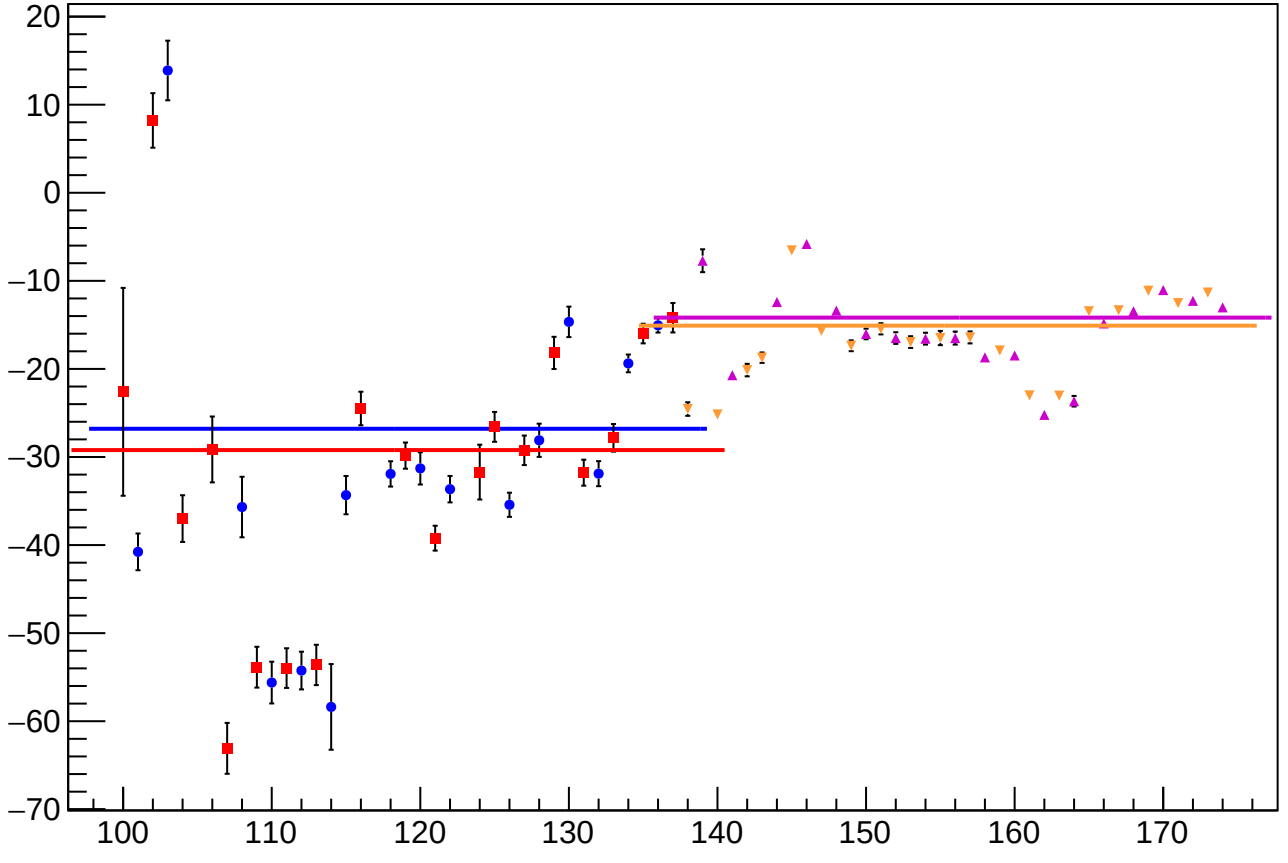
Right: -82.888+/-0.282 χ^2/NDF: 1933.1/34

In: -50.482+/-0.124 χ^2/NDF:16299.0/33

Out: -52.572+/-0.130 χ^2/NDF:14178.2/37

All: -51.479+/-0.090 χ^2/NDF: 30613.2/71

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.796+/-0.396 χ^2/NDF: 963.5/15

Left Out: -15.087+/-0.112 χ^2/NDF:2014.9/18

Right Out: -29.216+/-0.431 χ^2/NDF: 960.7/18

Left In: -14.176+/-0.108 χ^2/NDF:1919.1/17

Left: -14.618+/-0.078 χ^2/NDF: 3968.2/36

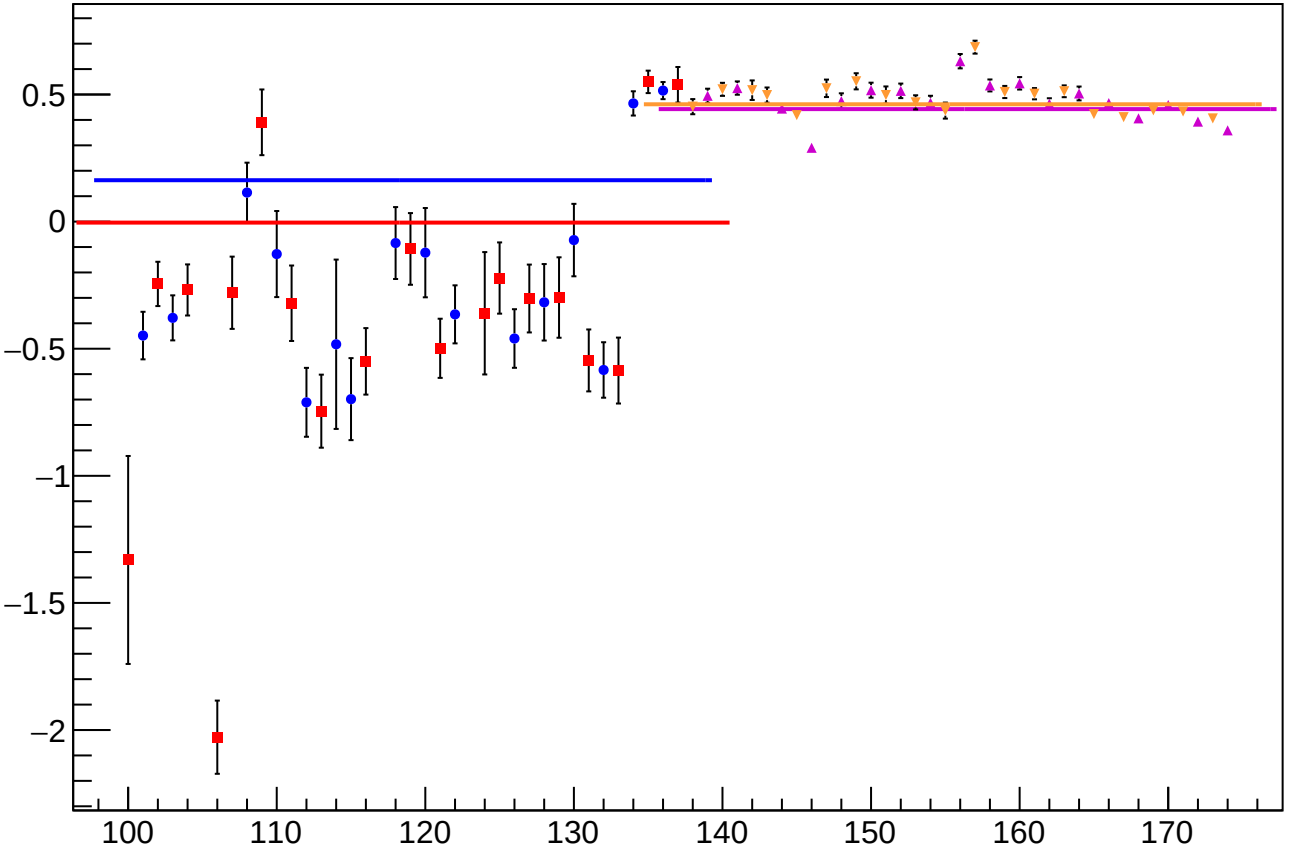
Right: -27.902+/-0.291 χ^2/NDF: 1941.2/34

In: -15.059+/-0.105 χ^2/NDF:3829.2/33

Out: -15.979+/-0.108 χ^2/NDF:3981.9/37

All: -15.503+/-0.075 χ^2/NDF: 7848.4/71

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.163+/-0.021 χ^2/NDF: 422.6/15

Left Out: 0.462+/-0.005 χ^2/NDF:152.8/18

Right Out: -0.004+/-0.024 χ^2/NDF: 573.3/18

Left In: 0.443+/-0.005 χ^2/NDF:235.6/17

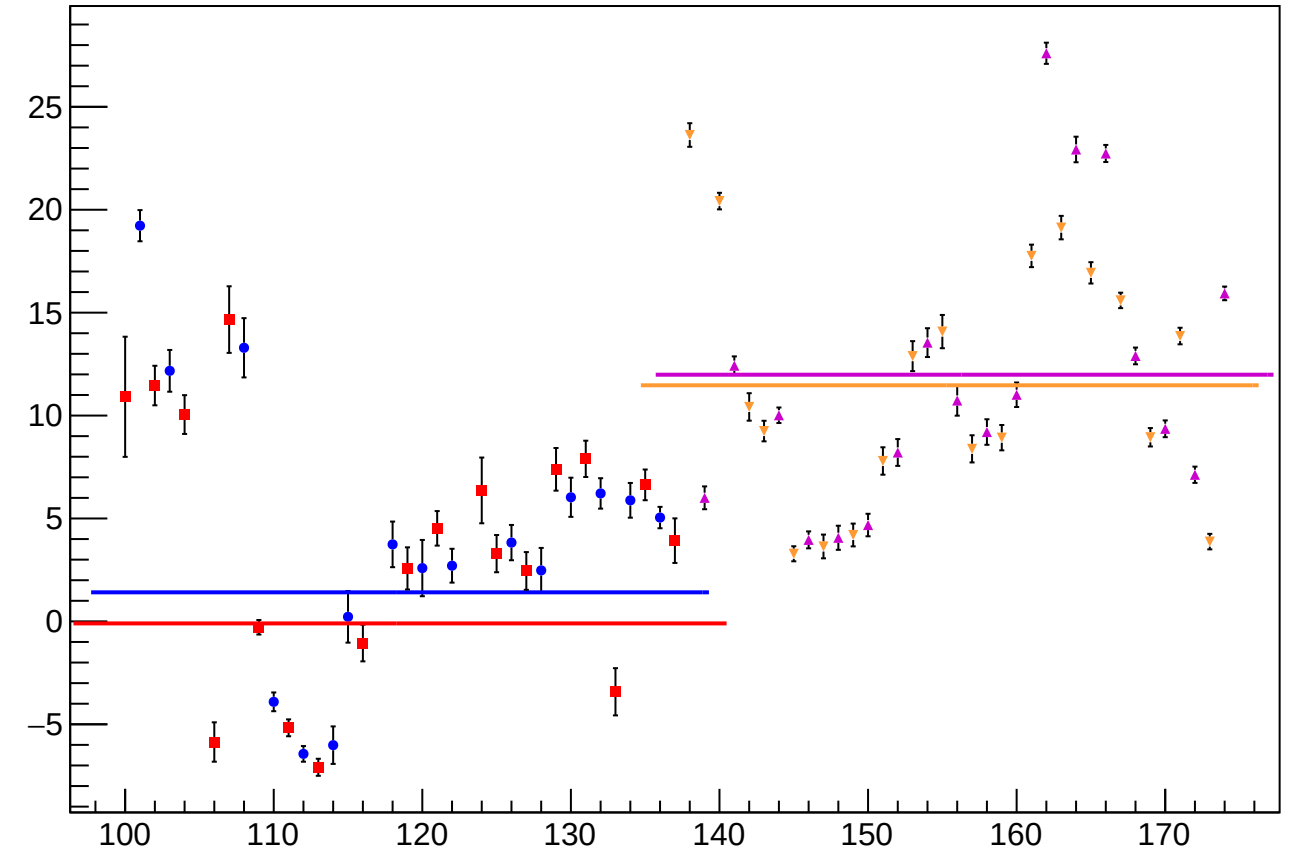
Left: 0.452+/-0.003 χ^2/NDF: 395.8/36

Right: 0.090+/-0.016 χ^2/NDF: 1022.3/34

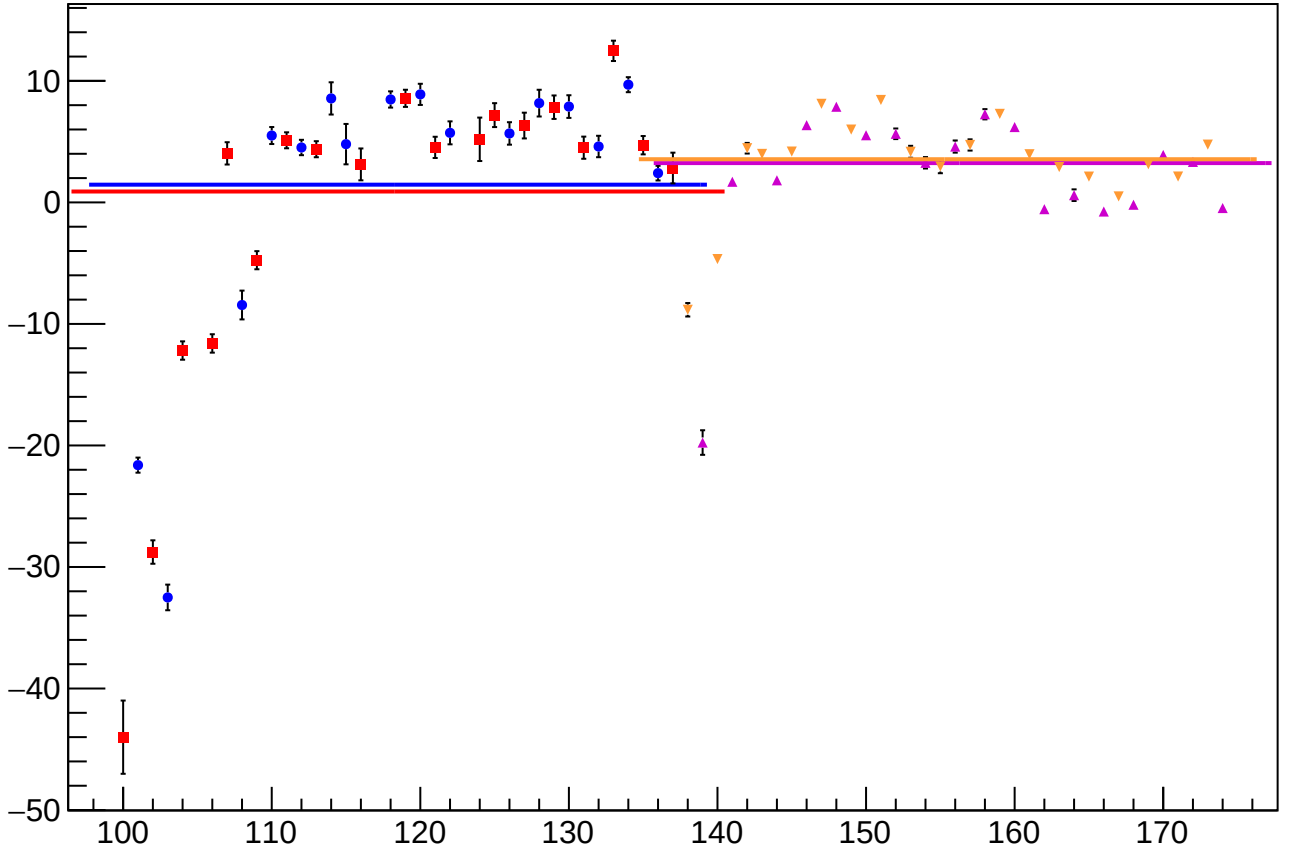
In: 0.429+/-0.005 χ^2/NDF:820.7/33

Out: 0.443+/-0.005 χ^2/NDF:1075.0/37

All: 0.435+/-0.003 χ^2/NDF: 1899.7/71


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: 11.471+/-0.115 χ²/NDF:2924.8/18
Right Out: -0.098+/-0.167 χ²/NDF: 1147.2/18
Left In: 11.985+/-0.113 χ²/NDF:3190.4/17
Left: 11.734+/-0.081 χ²/NDF: 6125.4/36
Right: 0.589+/-0.124 χ²/NDF: 2706.4/34
In: 9.080+/-0.096 χ²/NDF:7131.0/33
Out: 7.750+/-0.095 χ²/NDF:7312.3/37
All: 8.408+/-0.067 χ²/NDF: 14540.4/71

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: 3.553+/-0.082 χ^2/NDF:1896.0/18

Right Out: 0.896+/-0.202 χ^2/NDF: 2377.1/18

Left In: 3.235+/-0.082 χ^2/NDF:1770.5/17

Left: 3.393+/-0.058 χ^2/NDF: 3674.1/36

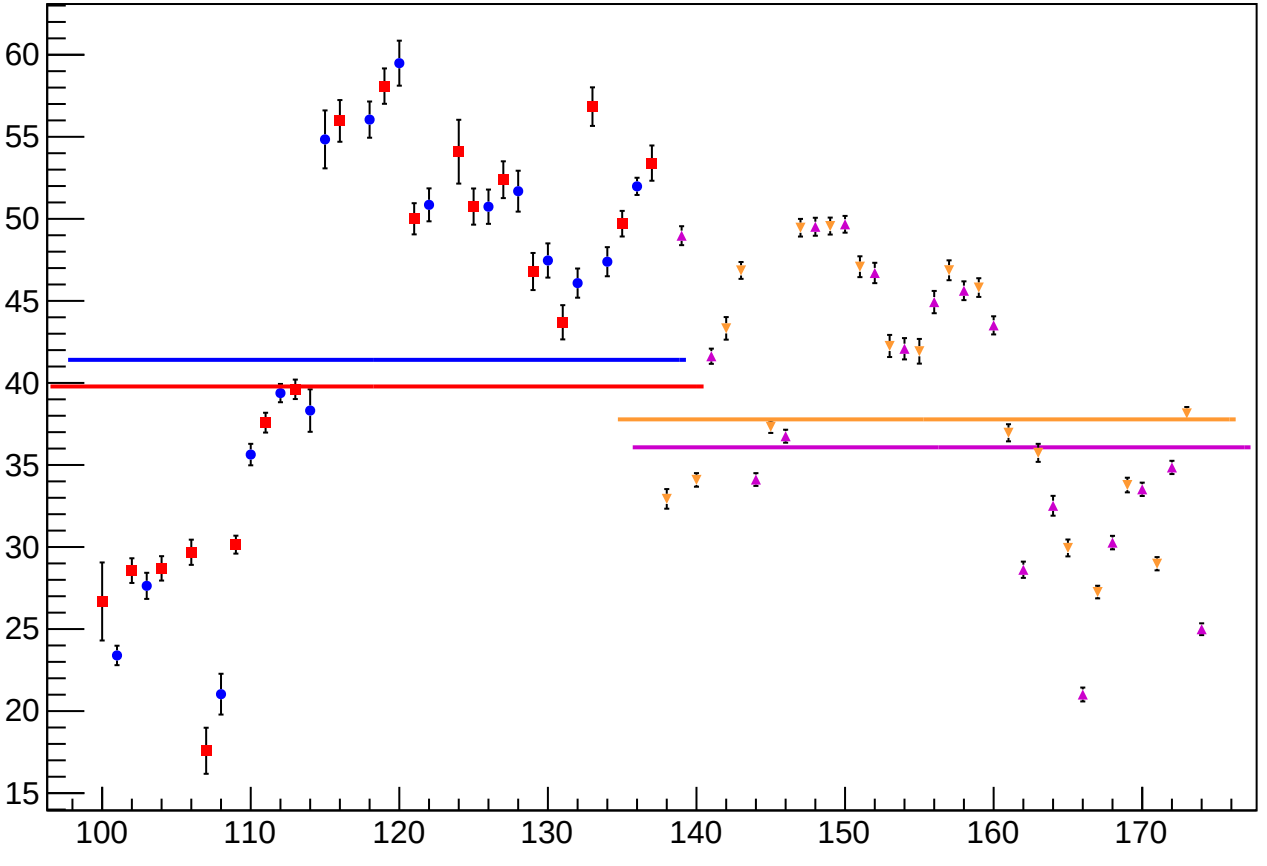
Right: 1.176+/-0.143 χ^2/NDF: 5461.2/34

In: 2.989+/-0.076 χ^2/NDF:4916.4/33

Out: 3.177+/-0.076 χ^2/NDF:4421.6/37

All: 3.082+/-0.054 χ^2/NDF: 9341.1/71

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.407+/-0.211 χ^2/NDF: 2746.0/15

Left Out: 37.779+/-0.115 χ^2/NDF:3778.7/18

Right Out: 39.784+/-0.203 χ^2/NDF: 2653.8/18

Left In: 36.076+/-0.112 χ^2/NDF:5716.1/17

Left: 36.910+/-0.080 χ^2/NDF: 9607.6/36

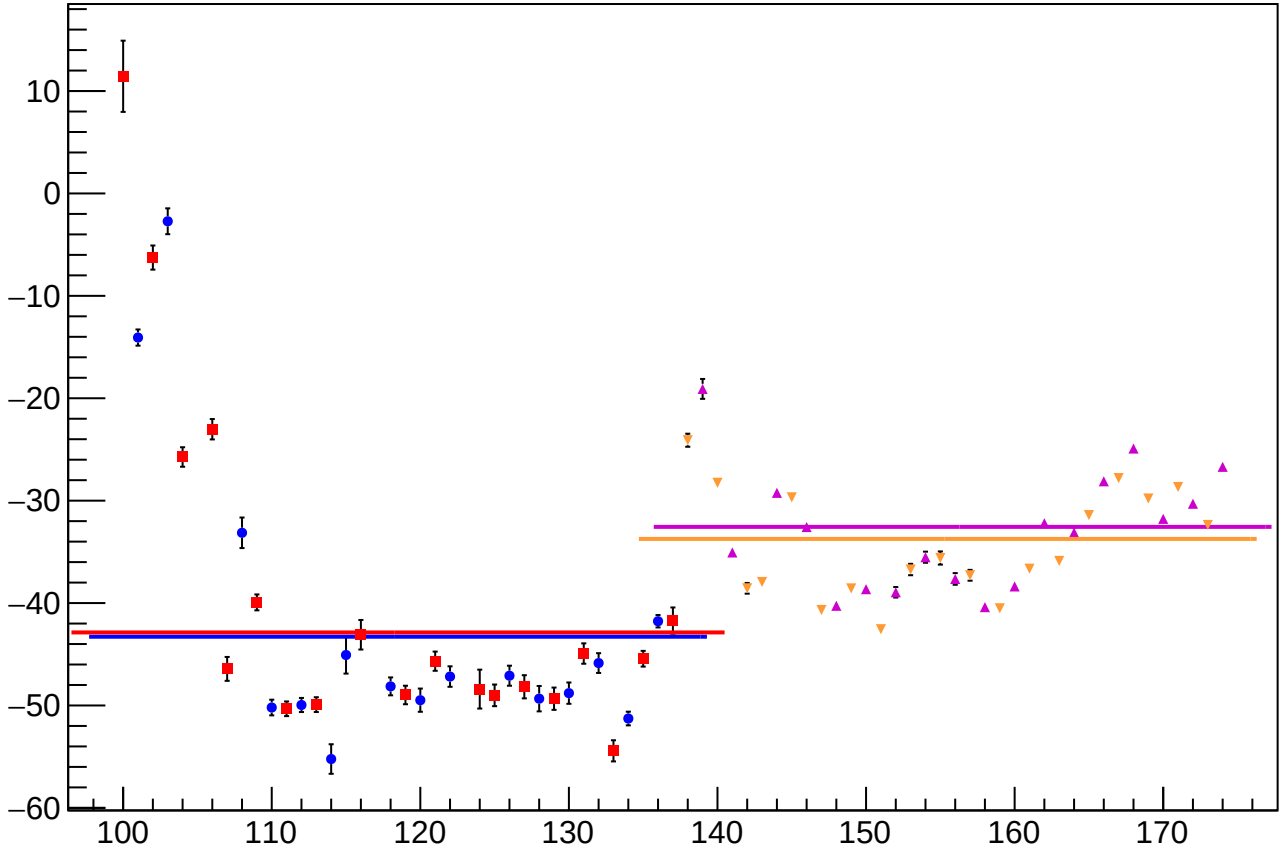
Right: 40.565+/-0.146 χ^2/NDF: 5430.6/34

In: 37.254+/-0.099 χ^2/NDF:8961.1/33

Out: 38.264+/-0.100 χ^2/NDF:6506.6/37

All: 37.755+/-0.070 χ^2/NDF: 15519.3/71

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -43.285+/-0.229 χ^2/NDF: 2985.2/15

Left Out: -33.735+/-0.094 χ^2/NDF:2735.2/18

Right Out: -42.867+/-0.229 χ^2/NDF: 2454.2/18

Left In: -32.560+/-0.093 χ^2/NDF:2692.9/17

Left: -33.142+/-0.066 χ^2/NDF: 5507.0/36

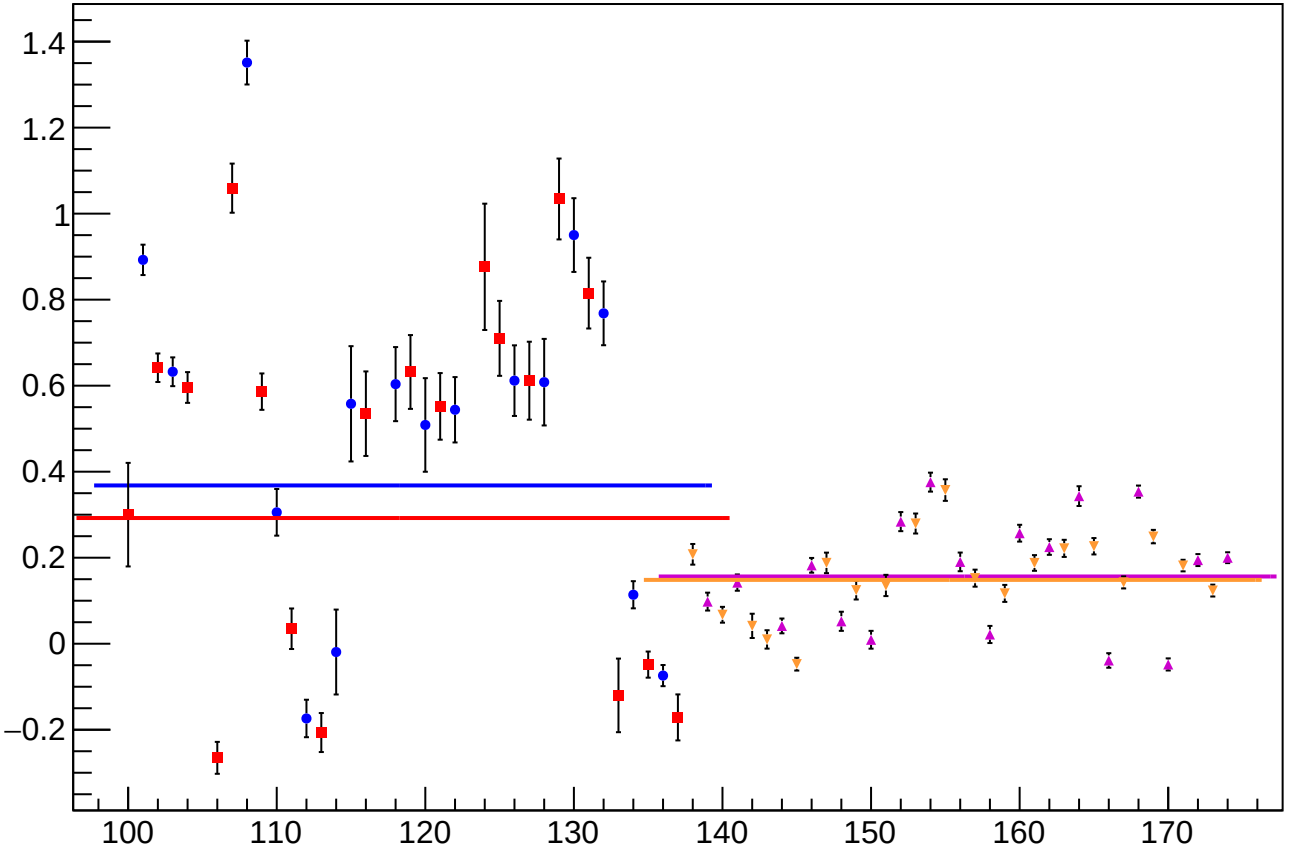
Right: -43.076+/-0.162 χ^2/NDF: 5441.1/34

In: -34.080+/-0.086 χ^2/NDF:7555.6/33

Out: -35.052+/-0.087 χ^2/NDF:6550.1/37

All: -34.562+/-0.061 χ^2/NDF: 14168.6/71

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.368+/-0.012 χ^2/NDF: 1320.9/15

Left Out: 0.148+/-0.004 χ^2/NDF:448.5/18

Right Out: 0.292+/-0.012 χ^2/NDF: 1199.2/18

Left In: 0.156+/-0.004 χ^2/NDF:974.6/17

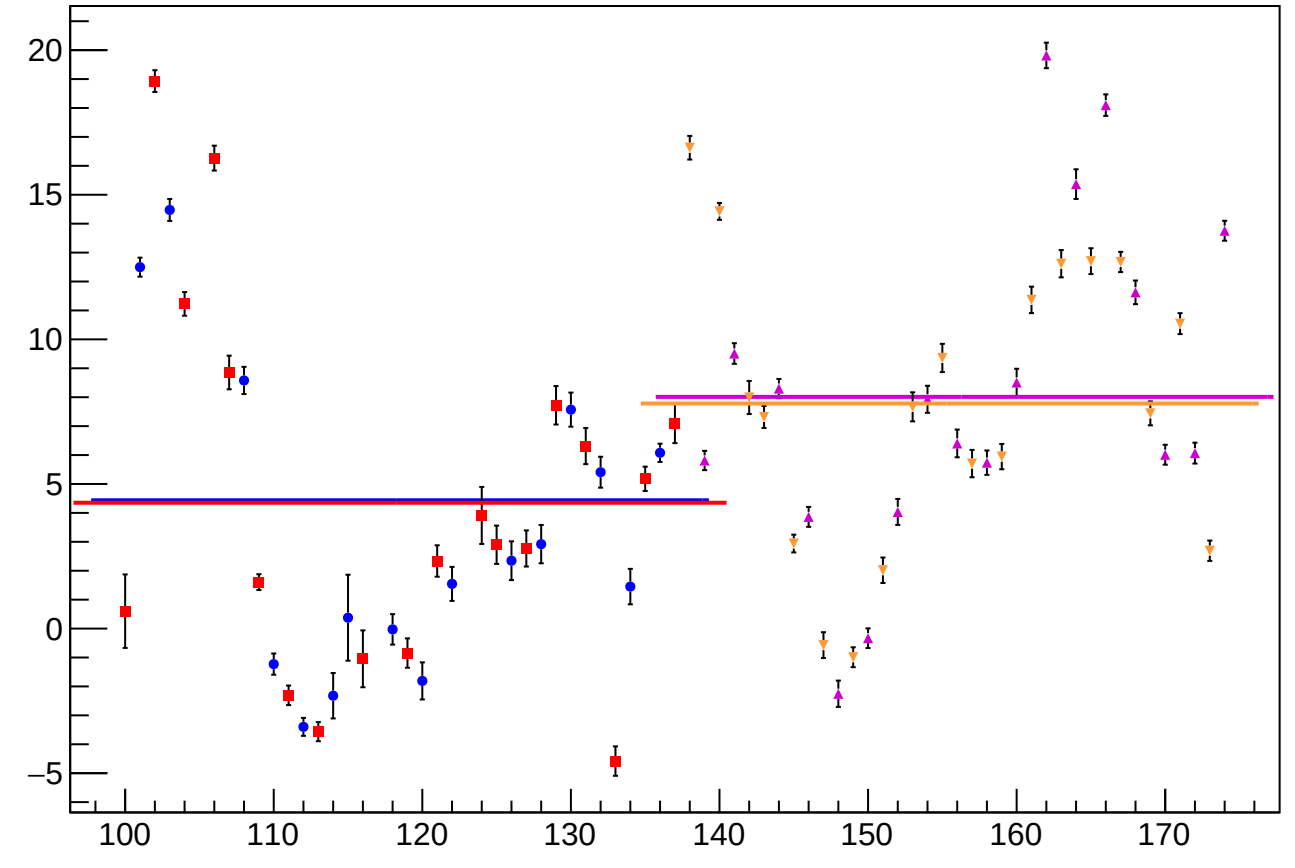
Left: 0.152+/-0.003 χ^2/NDF: 1424.9/36

Right: 0.330+/-0.009 χ^2/NDF: 2539.6/34

In: 0.178+/-0.004 χ^2/NDF:2565.0/33

Out: 0.164+/-0.004 χ^2/NDF:1773.4/37

All: 0.172+/-0.003 χ^2/NDF: 4344.7/71



Right In: 4.435+/-0.117 χ^2/NDF: 2622.0/15

Left Out: 7.782+/-0.092 χ^2/NDF:3208.2/18

Right Out: 4.351+/-0.109 χ^2/NDF: 4205.3/18

Left In: 8.012+/-0.092 χ^2/NDF:3513.7/17

Left: 7.897+/-0.065 χ^2/NDF: 6725.0/36

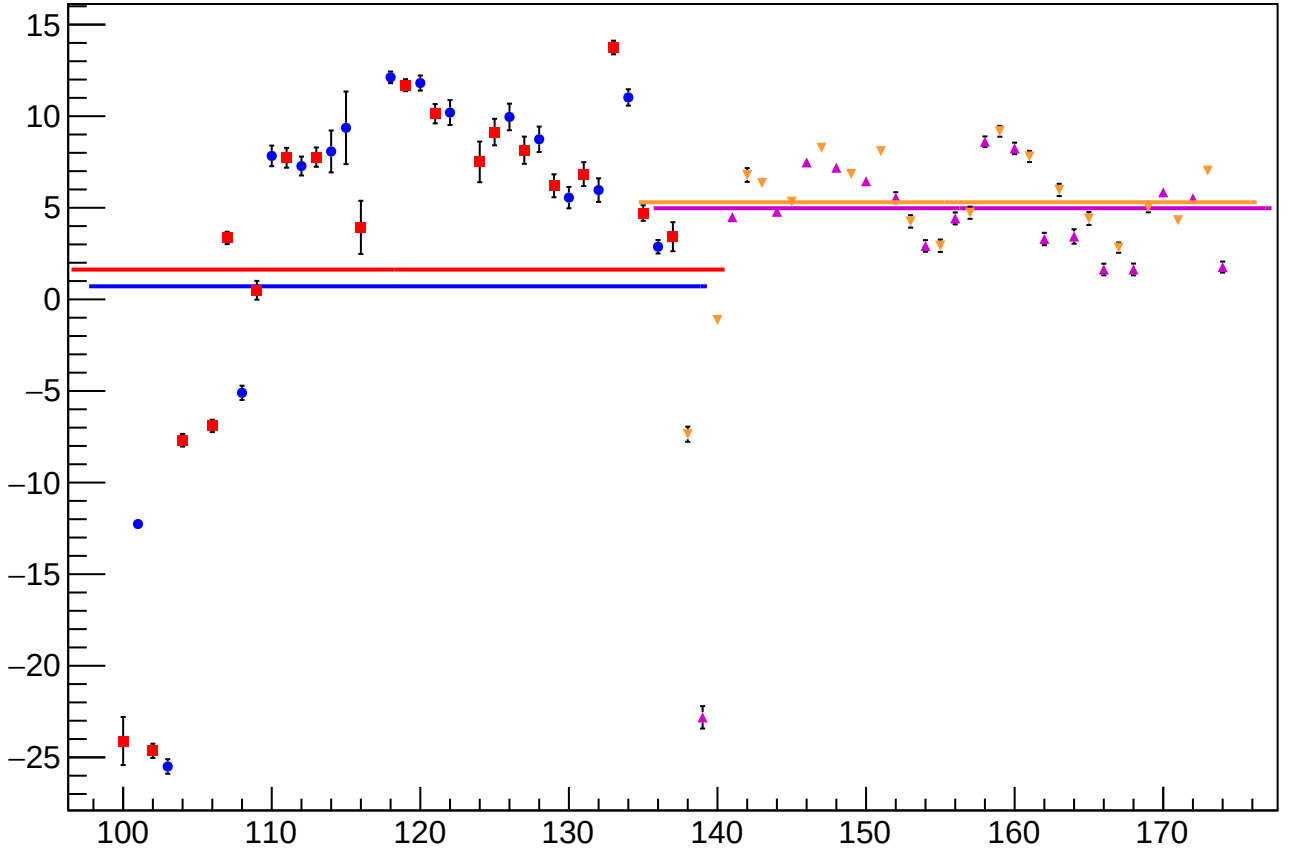
Right: 4.390+/-0.080 χ^2/NDF: 6827.6/34

In: 6.647+/-0.072 χ^2/NDF:6714.0/33

Out: 6.360+/-0.070 χ^2/NDF:7992.7/37

All: 6.499+/-0.050 χ^2/NDF: 14714.8/71

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.715+/-0.116 χ^2/NDF: 10454.0/15

Left Out: 5.302+/-0.065 χ^2/NDF:2479.9/18

Right Out: 1.627+/-0.111 χ^2/NDF: 9255.5/18

Left In: 4.976+/-0.067 χ^2/NDF:3057.6/17

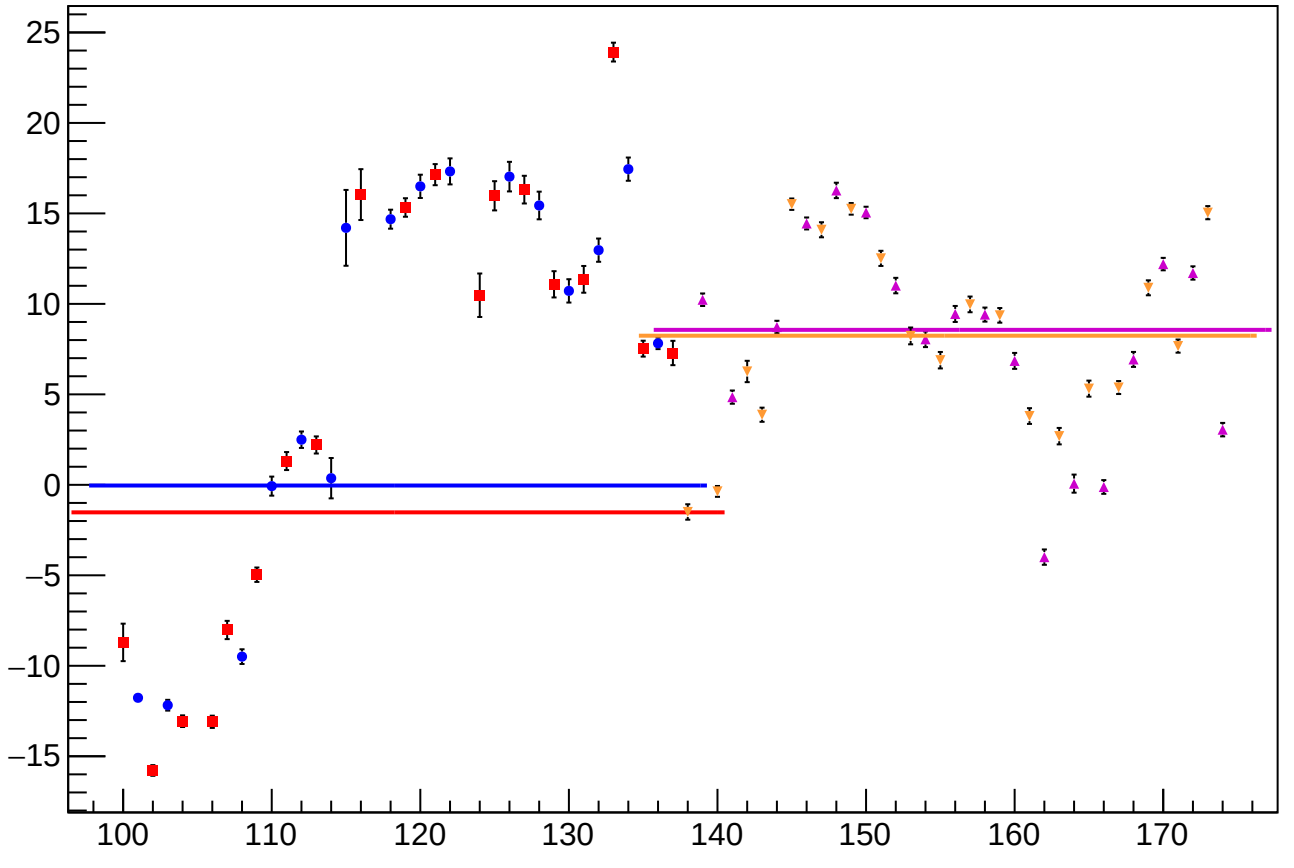
Left: 5.143+/-0.047 χ^2/NDF: 5549.8/36

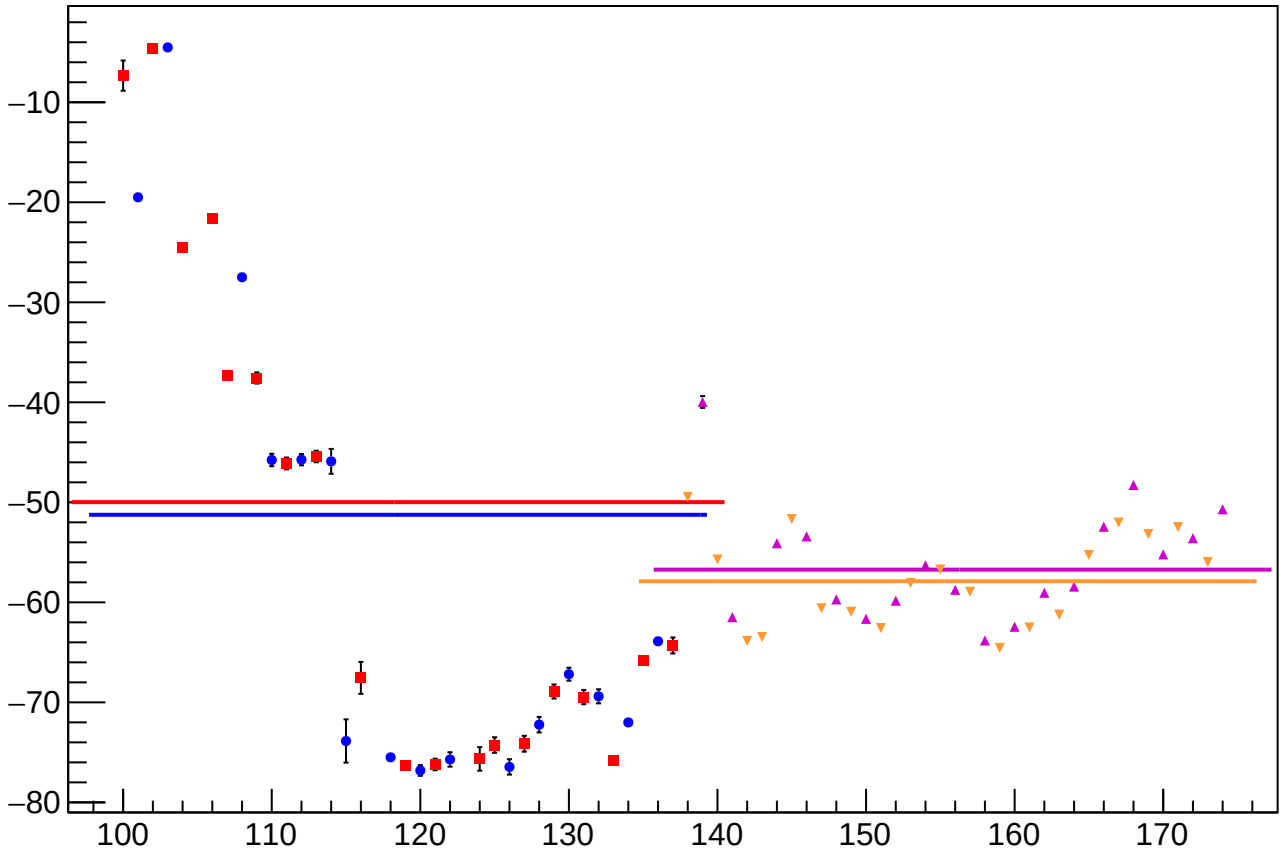
Right: 1.190+/-0.080 χ^2/NDF: 19741.8/34

In: 3.913+/-0.058 χ^2/NDF:14525.7/33

Out: 4.362+/-0.056 χ^2/NDF:12550.8/37

All: 4.144+/-0.040 χ^2/NDF: 27107.4/71


reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: -0.038+/-0.119 χ²/NDF: 9274.3/15
Left Out: 8.242+/-0.091 χ²/NDF:3574.1/18
Right Out: -1.521+/-0.115 χ²/NDF: 12130.2/18
Left In: 8.565+/-0.091 χ²/NDF:3350.9/17
Left: 8.403+/-0.064 χ²/NDF: 6931.4/36
Right: -0.807+/-0.083 χ²/NDF: 21484.6/34
In: 5.420+/-0.072 χ²/NDF:15920.8/33
Out: 4.509+/-0.071 χ²/NDF:20149.3/37
All: 4.958+/-0.051 χ²/NDF: 36150.8/71



Right In: -51.246+/-0.136 χ^2/NDF: 33765.2/15

Left Out: -57.890+/-0.075 χ^2/NDF:3524.1/18

Right Out: -49.983+/-0.131 χ^2/NDF: 33892.5/18

Left In: -56.730+/-0.076 χ^2/NDF:3912.6/17

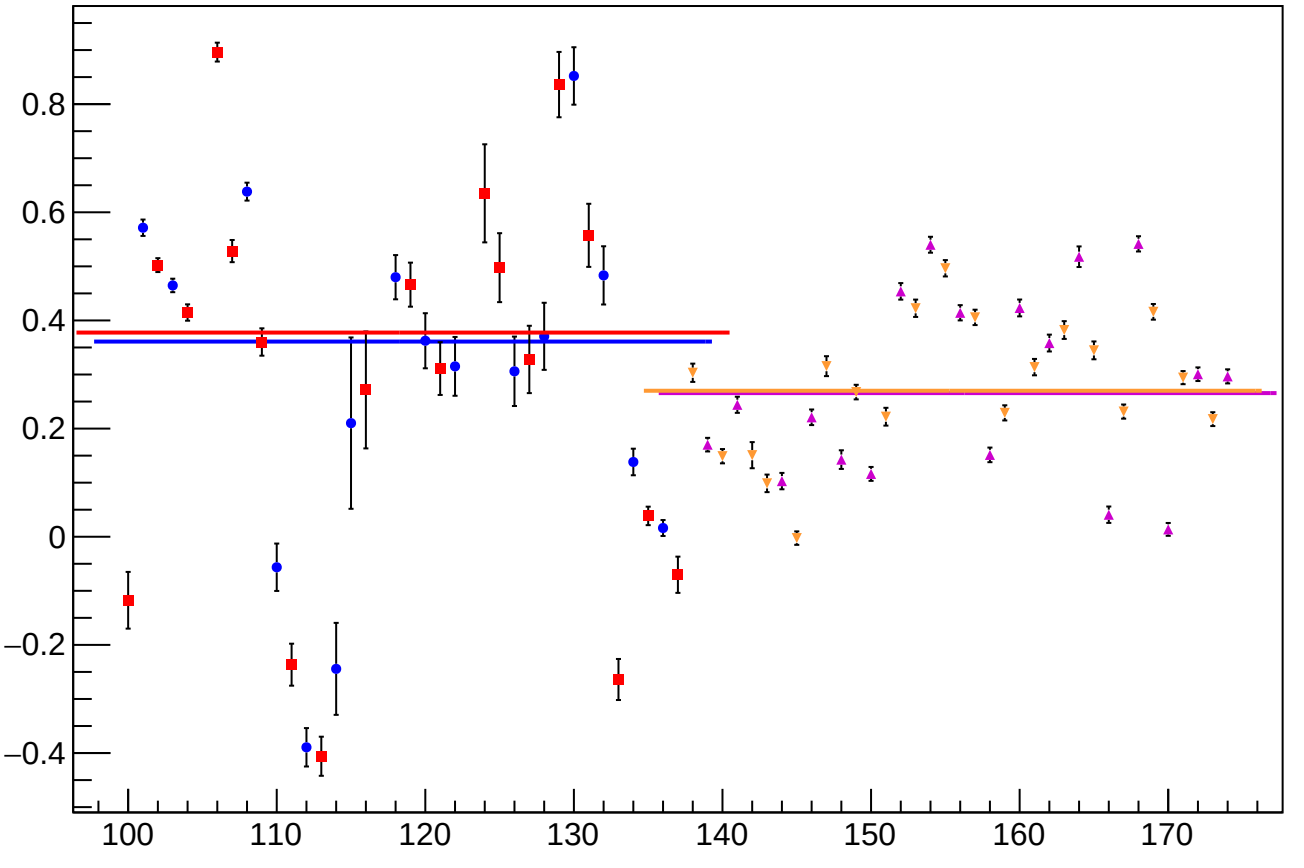
Left: -57.320+/-0.053 χ^2/NDF: 7554.4/36

Right: -50.590+/-0.094 χ^2/NDF: 67702.6/34

In: -55.415+/-0.066 χ^2/NDF:38918.5/33

Out: -55.933+/-0.065 χ^2/NDF:40171.7/37

All: -55.680+/-0.046 χ^2/NDF: 79121.2/71



Right In: 0.361+/-0.006 χ^2/NDF: 1860.0/15

Left Out: 0.270+/-0.003 χ^2/NDF:1337.1/18

Right Out: 0.378+/-0.006 χ^2/NDF: 2790.5/18

Left In: 0.266+/-0.003 χ^2/NDF:2430.1/17

Left: 0.268+/-0.002 χ^2/NDF: 3768.1/36

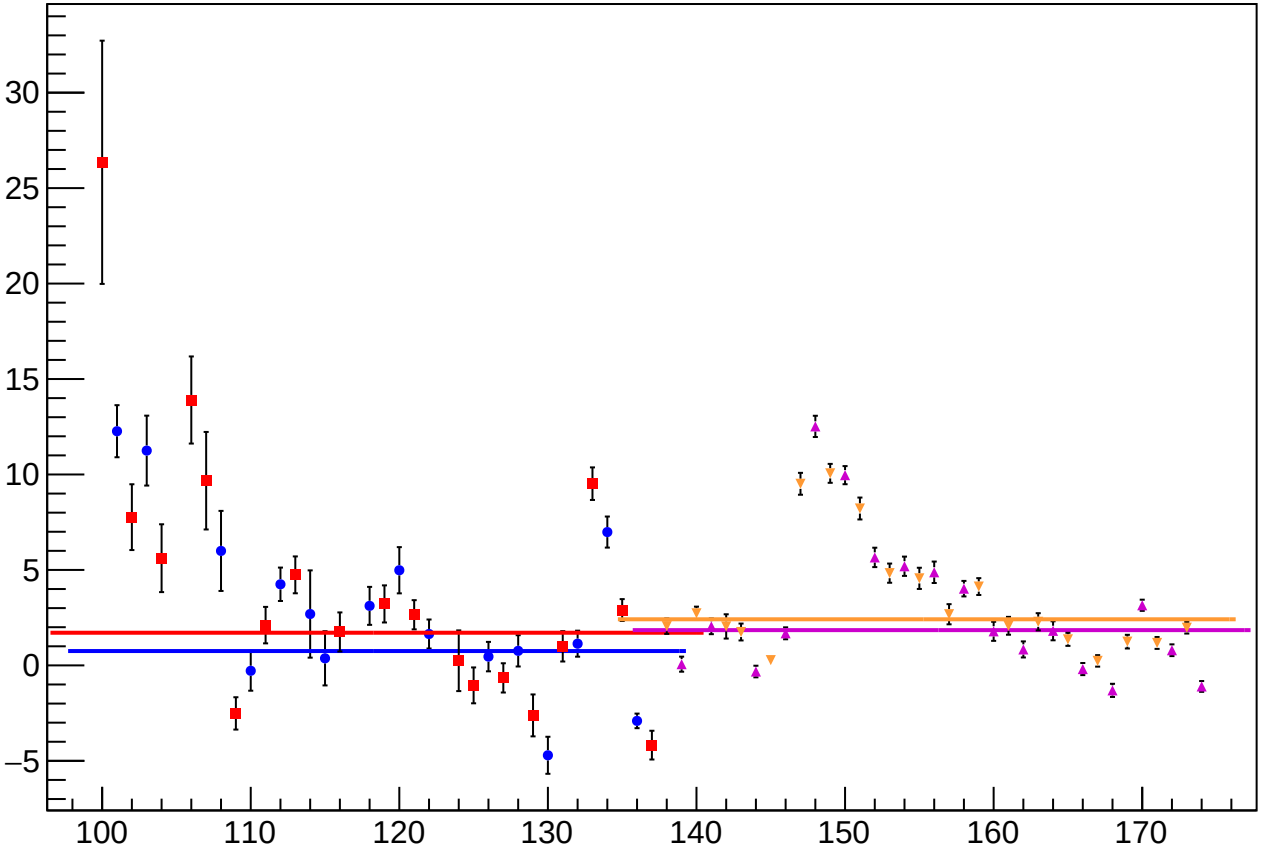
Right: 0.370+/-0.004 χ^2/NDF: 4654.1/34

In: 0.286+/-0.003 χ^2/NDF:4465.4/33

Out: 0.295+/-0.003 χ^2/NDF:4364.3/37

All: 0.291+/-0.002 χ^2/NDF: 8834.2/71

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: 2.415+/-0.091 χ^2/NDF:708.1/18

Right Out: 1.710+/-0.223 χ^2/NDF: 293.8/18

Left In: 1.847+/-0.090 χ^2/NDF:1160.9/17

Left: 2.126+/-0.064 χ^2/NDF: 1888.7/36

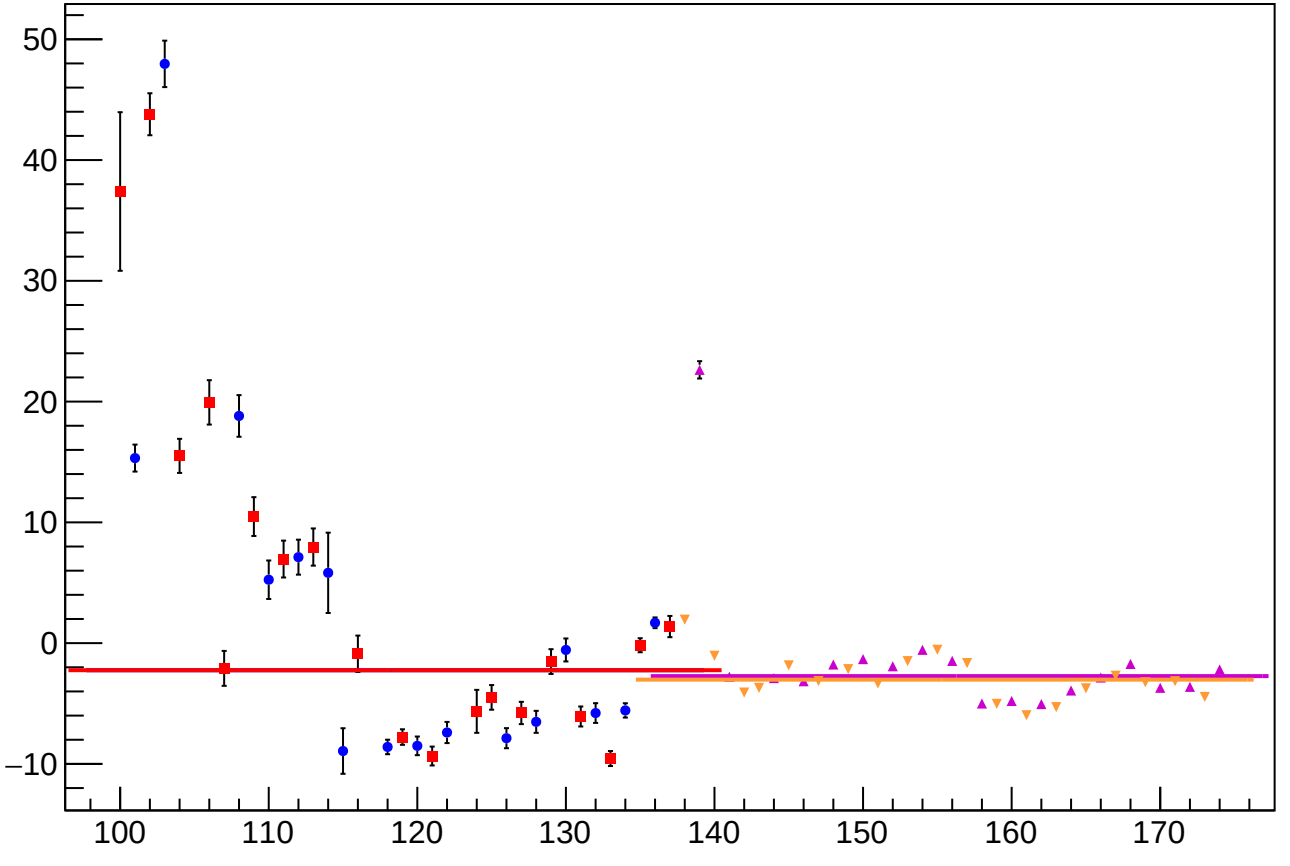
Right: 1.208+/-0.154 χ^2/NDF: 633.6/34

In: 1.682+/-0.082 χ^2/NDF:1513.5/33

Out: 2.314+/-0.084 χ^2/NDF:1010.5/37

All: 1.991+/-0.059 χ^2/NDF: 2552.7/71

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.245+/-0.215 χ^2/NDF: 1572.5/15

Left Out: -3.023+/-0.066 χ^2/NDF:562.4/18

Right Out: -2.242+/-0.229 χ^2/NDF: 1555.6/18

Left In: -2.731+/-0.066 χ^2/NDF:1566.2/17

Left: -2.876+/-0.047 χ^2/NDF: 2138.4/36

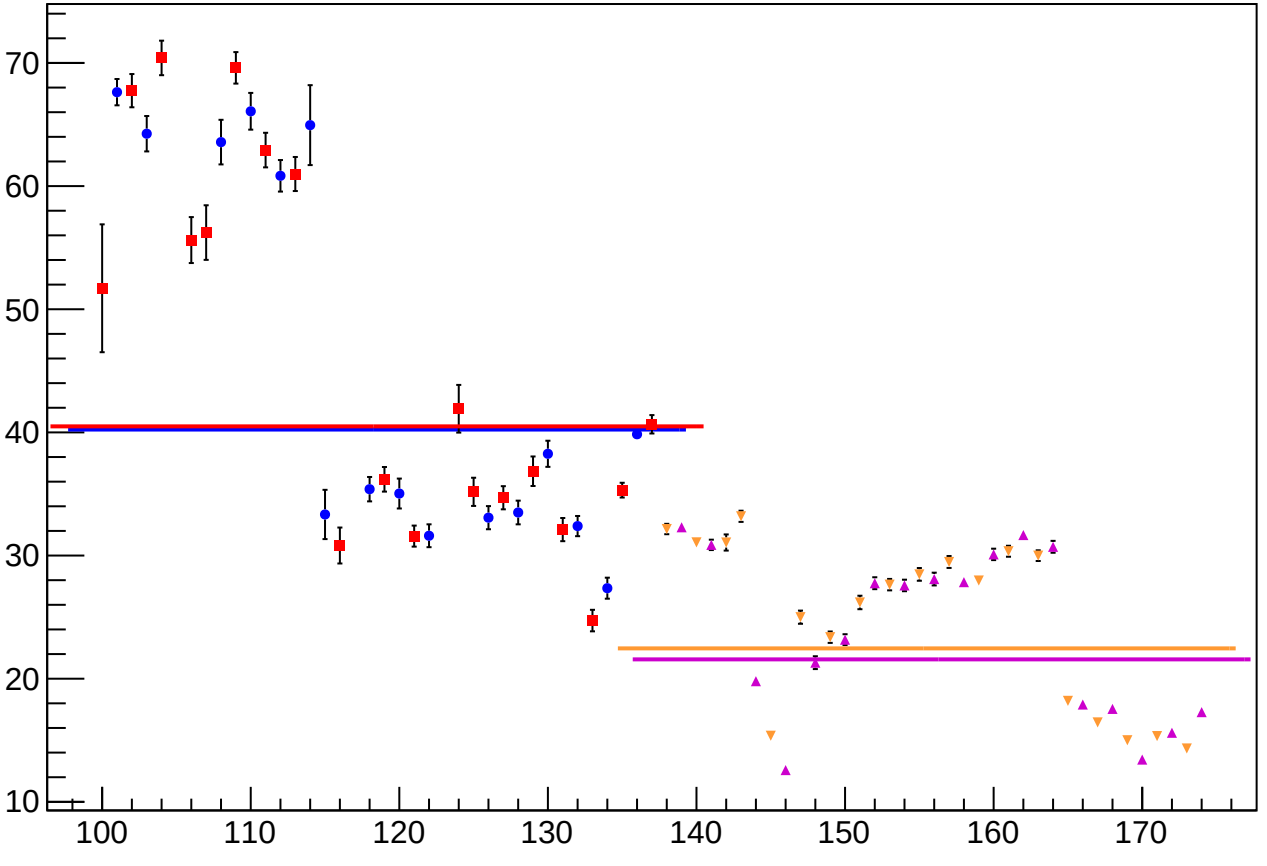
Right: -2.244+/-0.157 χ^2/NDF: 3128.1/34

In: -2.690+/-0.063 χ^2/NDF:3143.4/33

Out: -2.963+/-0.063 χ^2/NDF:2128.8/37

All: -2.825+/-0.045 χ^2/NDF: 5281.5/71

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 40.232+/-0.231 χ^2/NDF: 2291.1/15

Left Out: 22.461+/-0.091 χ^2/NDF:5988.7/18

Right Out: 40.490+/-0.250 χ^2/NDF: 2698.0/18

Left In: 21.569+/-0.089 χ^2/NDF:5773.9/17

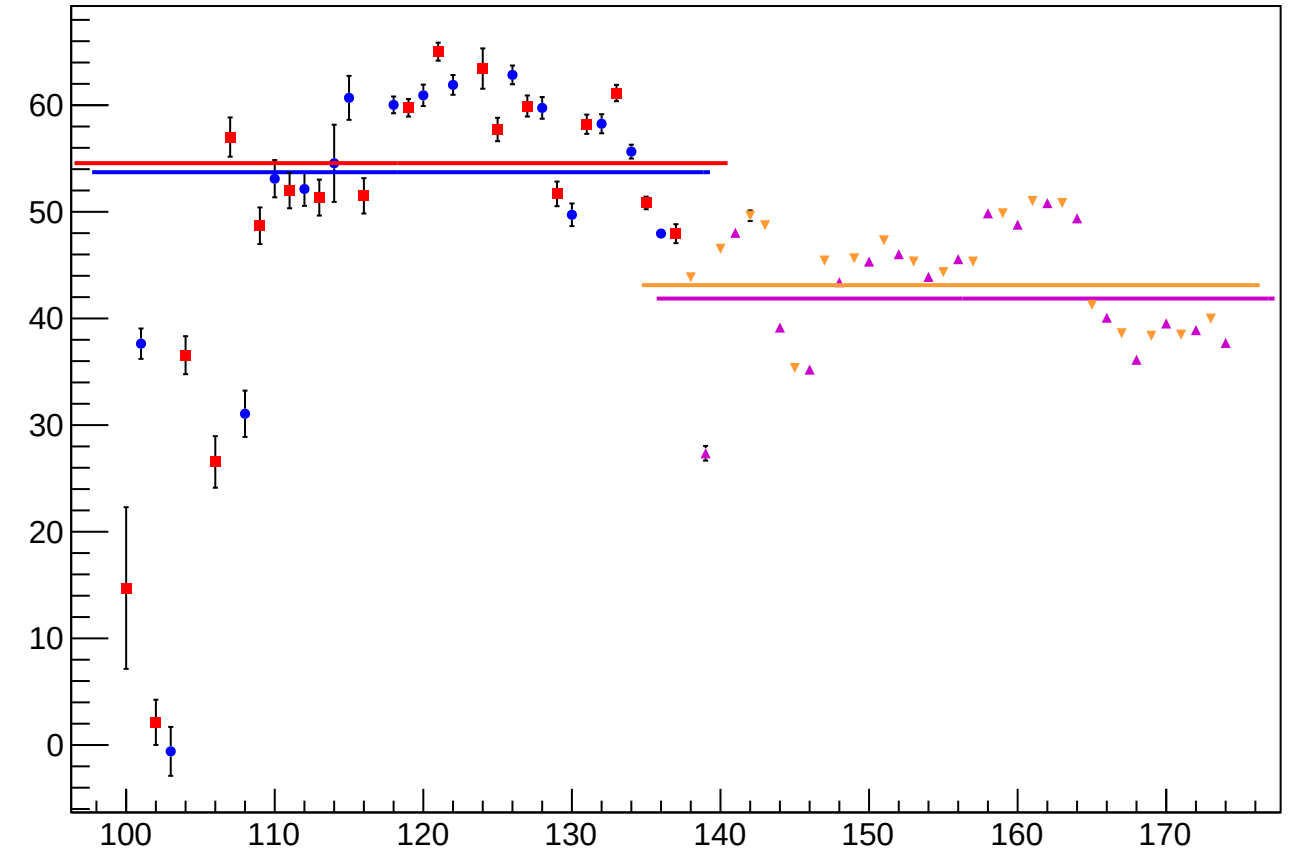
Left: 22.007+/-0.063 χ^2/NDF: 11811.9/36

Right: 40.351+/-0.170 χ^2/NDF: 4989.7/34

In: 23.970+/-0.083 χ^2/NDF:13731.0/33

Out: 24.552+/-0.085 χ^2/NDF:13268.4/37

All: 24.253+/-0.059 χ^2/NDF: 27023.2/71



Right In: 53.715+/-0.239 χ^2/NDF: 1362.7/15

Left Out: 43.122+/-0.075 χ^2/NDF:4412.0/18

Right Out: 54.565+/-0.256 χ^2/NDF: 1342.6/18

Left In: 41.867+/-0.074 χ^2/NDF:4997.1/17

Left: 42.490+/-0.053 χ^2/NDF: 9550.7/36

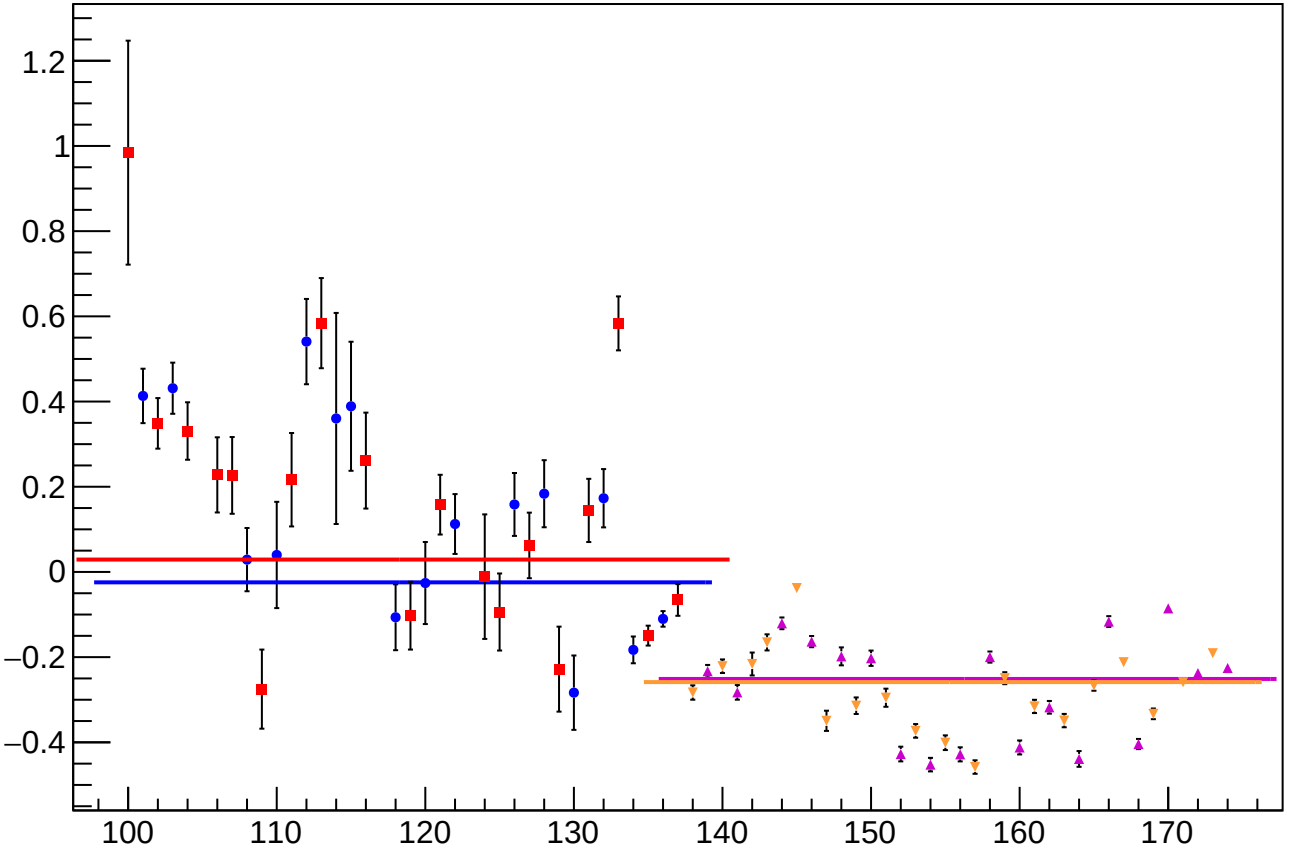
Right: 54.111+/-0.175 χ^2/NDF: 2711.2/34

In: 42.912+/-0.071 χ^2/NDF:8600.6/33

Out: 44.024+/-0.072 χ^2/NDF:7593.3/37

All: 43.461+/-0.051 χ^2/NDF: 16315.0/71

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: -0.259+/-0.003 χ^2/NDF:893.1/18

Right Out: 0.029+/-0.014 χ^2/NDF: 276.4/18

Left In: -0.251+/-0.003 χ^2/NDF:1316.5/17

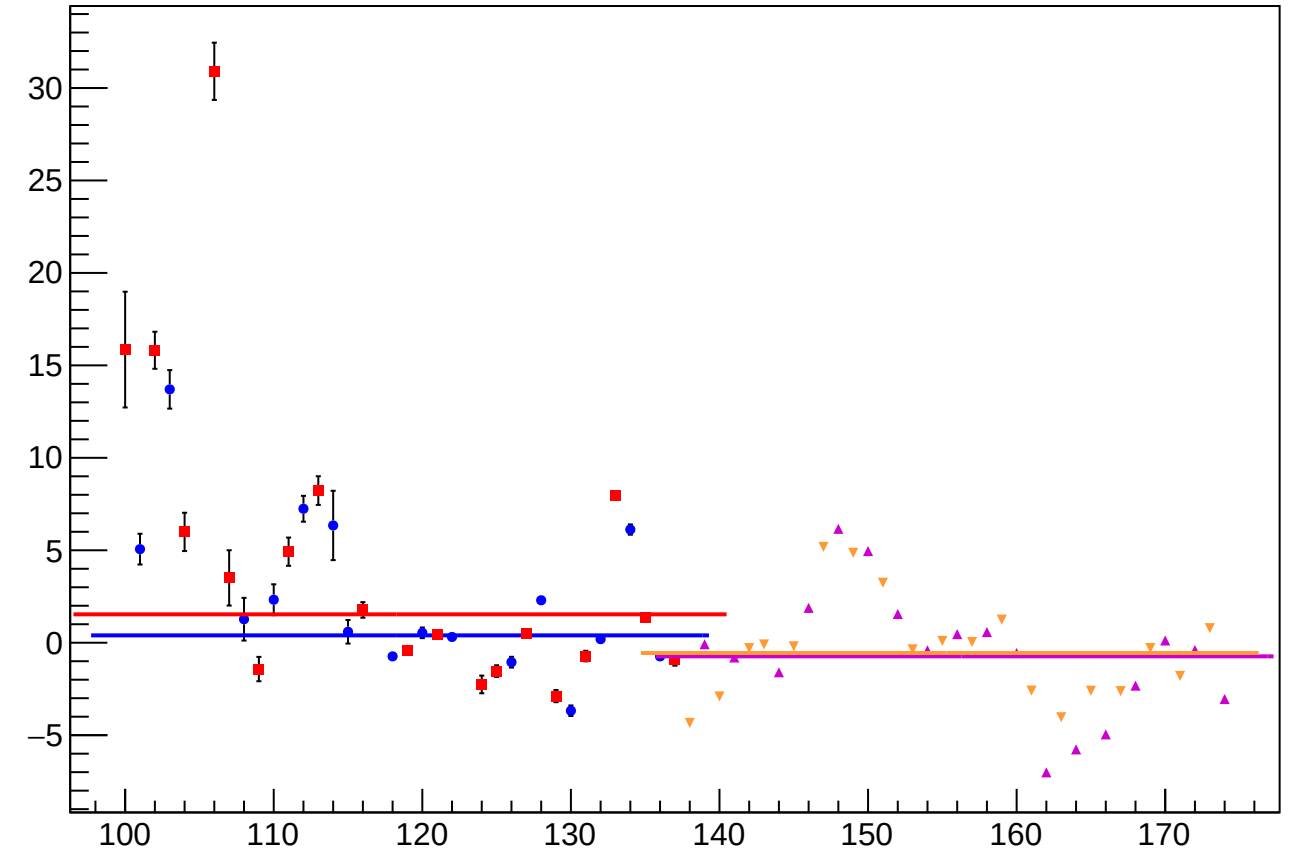
Left: -0.255+/-0.002 χ^2/NDF: 2212.1/36

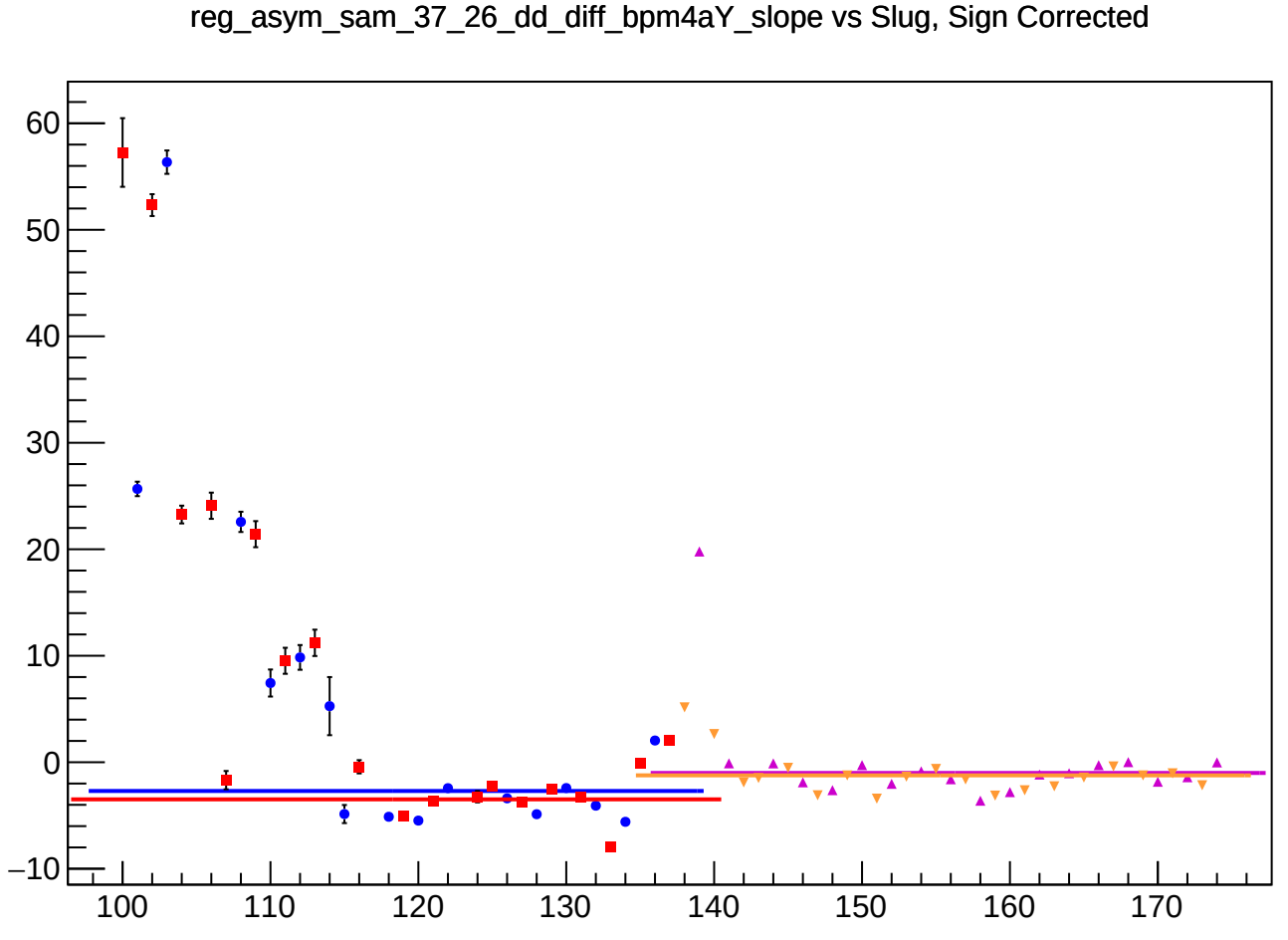
Right: -0.001+/-0.010 χ^2/NDF: 513.9/34

In: -0.237+/-0.003 χ^2/NDF:1840.6/33

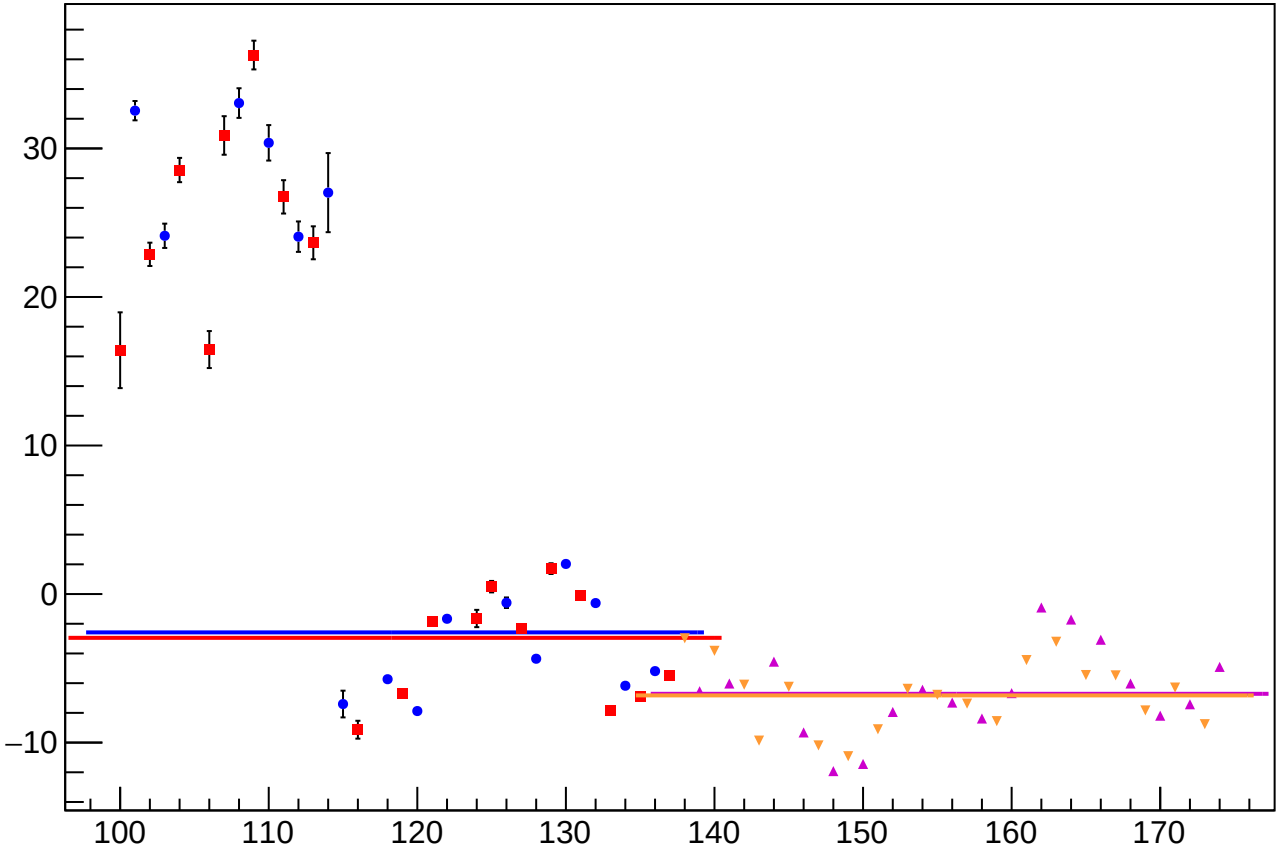
Out: -0.244+/-0.003 χ^2/NDF:1555.8/37

All: -0.240+/-0.002 χ^2/NDF: 3398.3/71


reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
100
110
120
130
140
150
160
170
Right In: 0.398+/-0.077 χ²/NDF: 1097.4/15
Left Out: -0.556+/-0.035 χ²/NDF:4674.9/18
Right Out: 1.536+/-0.078 χ²/NDF: 2411.2/18
Left In: -0.737+/-0.034 χ²/NDF:7119.1/17
Left: -0.649+/-0.024 χ²/NDF: 11807.8/36
Right: 0.959+/-0.055 χ²/NDF: 3615.8/34
In: -0.552+/-0.031 χ²/NDF:8398.1/33
Out: -0.210+/-0.032 χ²/NDF:7683.6/37
All: -0.385+/-0.022 χ²/NDF: 16140.8/71


reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
100
110
120
130
140
150
160
170
Right In: -2.699+/-0.071 χ²/NDF: 7103.8/15
Left Out: -1.231+/-0.025 χ²/NDF:4377.8/18
Right Out: -3.486+/-0.071 χ²/NDF: 7159.9/18
Left In: -1.007+/-0.025 χ²/NDF:8451.9/17
Left: -1.118+/-0.018 χ²/NDF: 12869.3/36
Right: -3.091+/-0.050 χ²/NDF: 14325.4/34
In: -1.195+/-0.024 χ²/NDF:16064.4/33
Out: -1.483+/-0.024 χ²/NDF:12437.1/37
All: -1.338+/-0.017 χ²/NDF: 28576.0/71

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: -6.824+/-0.035 χ^2/NDF:3916.4/18

Right Out: -2.948+/-0.085 χ^2/NDF: 8196.4/18

Left In: -6.717+/-0.034 χ^2/NDF:6007.1/17

Left: -6.769+/-0.024 χ^2/NDF: 9928.4/36

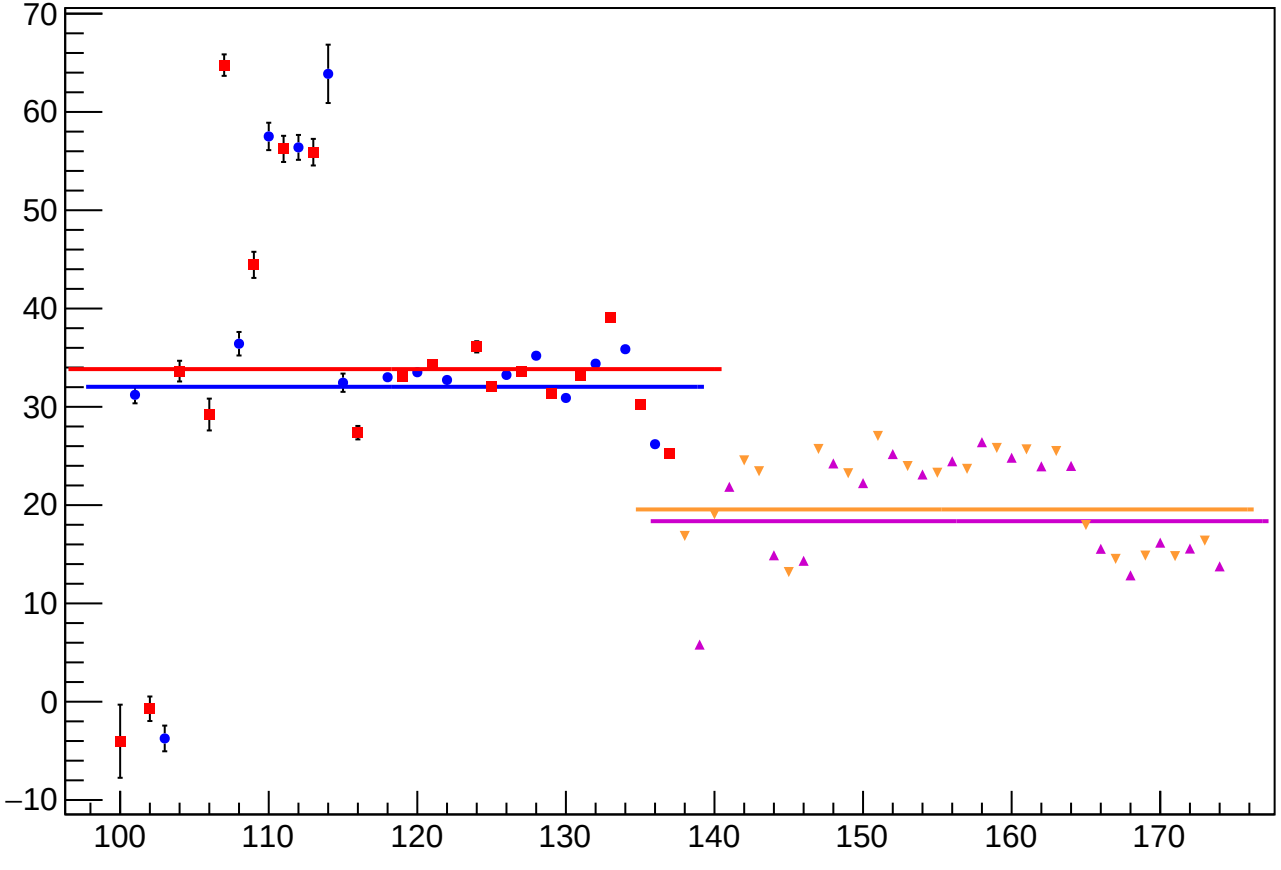
Right: -2.761+/-0.059 χ^2/NDF: 16365.7/34

In: -6.130+/-0.031 χ^2/NDF:16292.4/33

Out: -6.272+/-0.032 χ^2/NDF:13898.2/37

All: -6.199+/-0.022 χ^2/NDF: 30200.6/71

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: 19.561+/-0.029 χ^2/NDF:28600.0/18

Right Out: 33.837+/-0.082 χ^2/NDF: 4237.8/18

Left In: 18.366+/-0.028 χ^2/NDF:28820.9/17

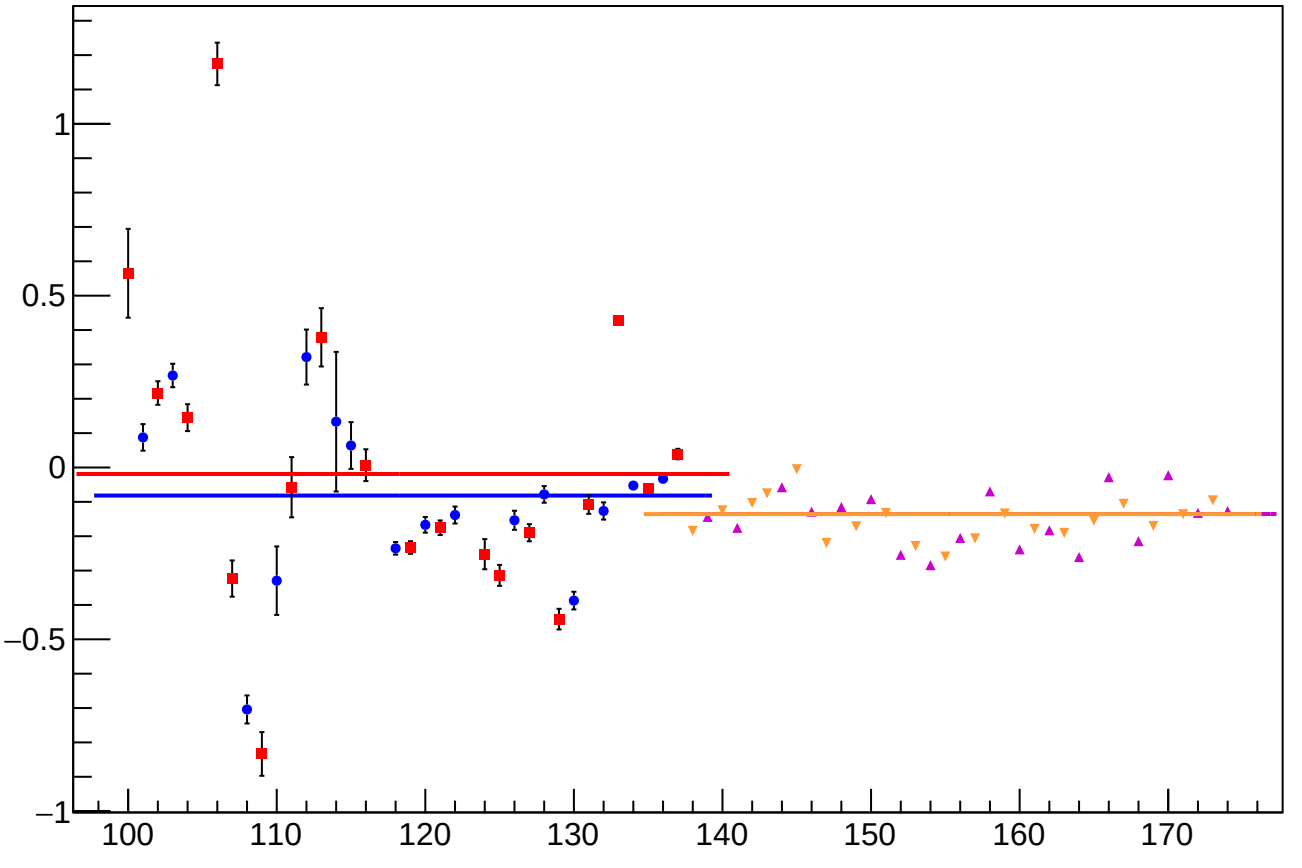
Left: 18.957+/-0.020 χ^2/NDF: 58295.8/36

Right: 32.934+/-0.058 χ^2/NDF: 7737.6/34

In: 19.854+/-0.027 χ^2/NDF:57286.4/33

Out: 21.135+/-0.027 χ^2/NDF:60060.1/37

All: 20.488+/-0.019 χ^2/NDF: 118474.5/71



Right In: -0.082+/-0.005 χ^2/NDF: 689.2/15

Left Out: -0.136+/-0.001 χ^2/NDF:2357.7/18

Right Out: -0.019+/-0.005 χ^2/NDF: 2273.7/18

Left In: -0.135+/-0.001 χ^2/NDF:3563.8/17

Left: -0.135+/-0.001 χ^2/NDF: 5921.6/36

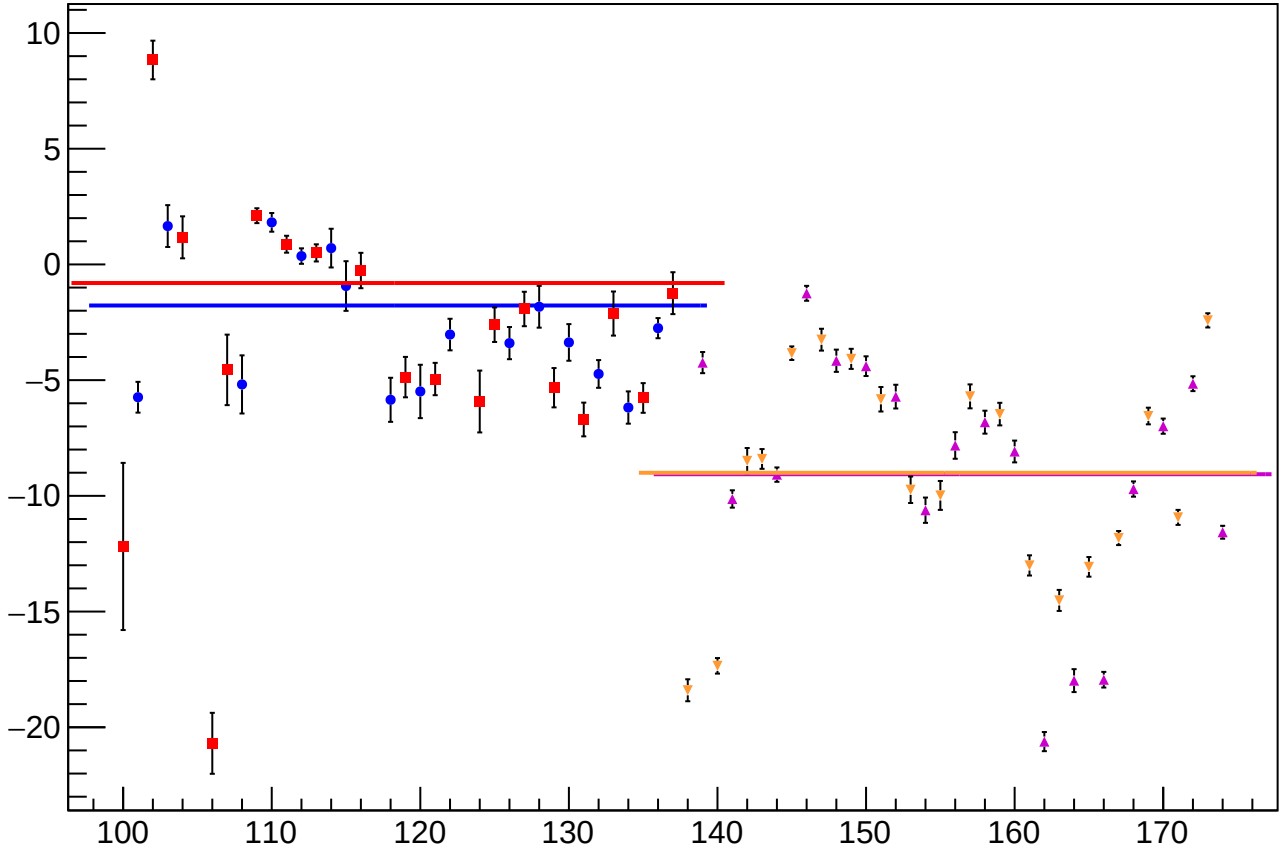
Right: -0.053+/-0.004 χ^2/NDF: 3041.0/34

In: -0.132+/-0.001 χ^2/NDF:4368.9/33

Out: -0.129+/-0.001 χ^2/NDF:5105.4/37

All: -0.130+/-0.001 χ^2/NDF: 9477.4/71

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.775+/-0.157 χ^2/NDF: 297.7/15

Left Out: -9.003+/-0.093 χ^2/NDF:2657.7/18

Right Out: -0.803+/-0.148 χ^2/NDF: 733.7/18

Left In: -9.066+/-0.091 χ^2/NDF:3078.1/17

Left: -9.035+/-0.065 χ^2/NDF: 5736.1/36

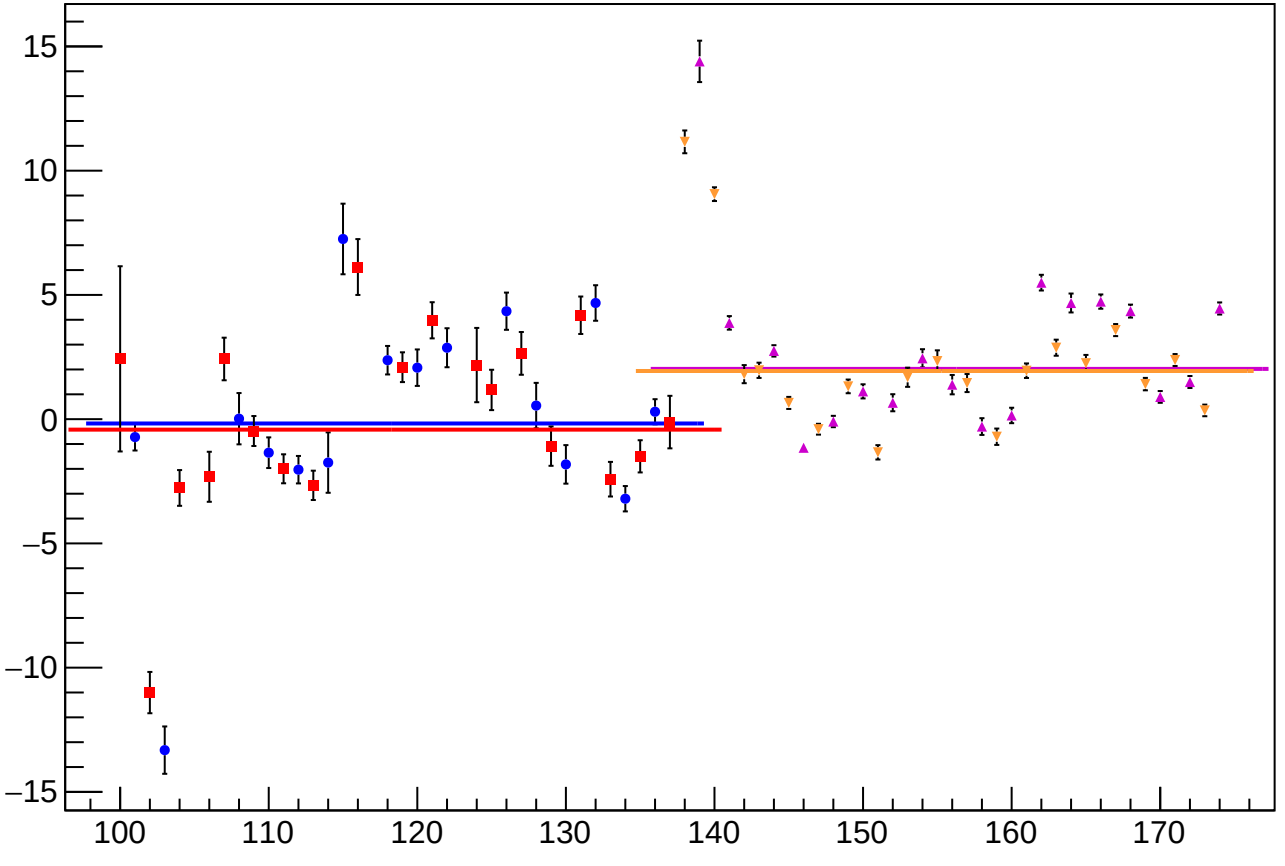
Right: -1.261+/-0.108 χ^2/NDF: 1051.6/34

In: -7.228+/-0.079 χ^2/NDF:4986.2/33

Out: -6.677+/-0.079 χ^2/NDF:5580.8/37

All: -6.953+/-0.056 χ^2/NDF: 10591.4/71

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.174+/-0.173 χ^2/NDF: 403.1/15

Left Out: 1.939+/-0.066 χ^2/NDF:1518.8/18

Right Out: -0.421+/-0.177 χ^2/NDF: 366.3/18

Left In: 2.023+/-0.066 χ^2/NDF:1207.6/17

Left: 1.981+/-0.047 χ^2/NDF: 2727.2/36

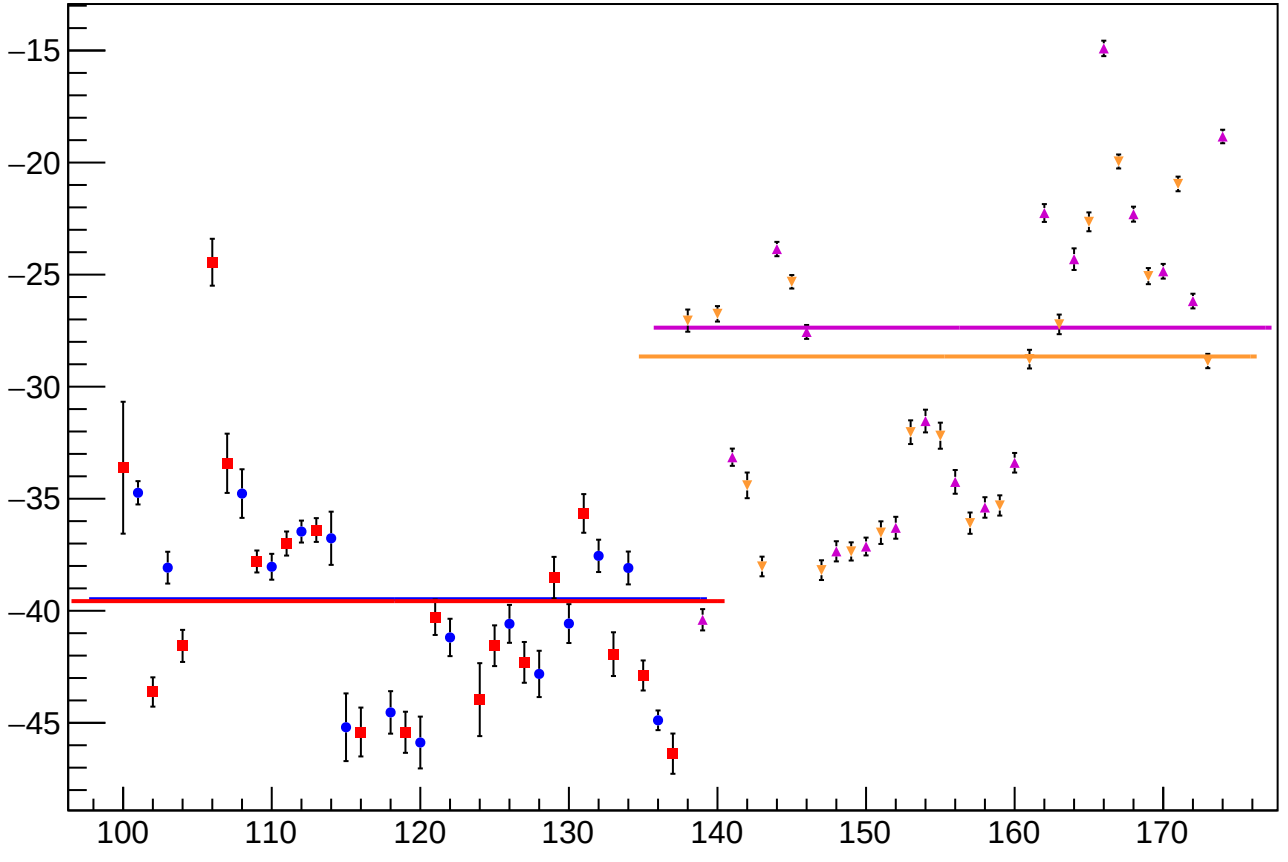
Right: -0.295+/-0.124 χ^2/NDF: 770.4/34

In: 1.744+/-0.062 χ^2/NDF:1751.5/33

Out: 1.648+/-0.062 χ^2/NDF:2040.6/37

All: 1.696+/-0.044 χ^2/NDF: 3793.3/71

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -39.484+/-0.180 χ^2/NDF: 409.3/15

Left Out: -28.653+/-0.093 χ^2/NDF:4079.7/18

Right Out: -39.570+/-0.181 χ^2/NDF: 553.5/18

Left In: -27.367+/-0.091 χ^2/NDF:5872.8/17

Left: -27.996+/-0.065 χ^2/NDF: 10051.0/36

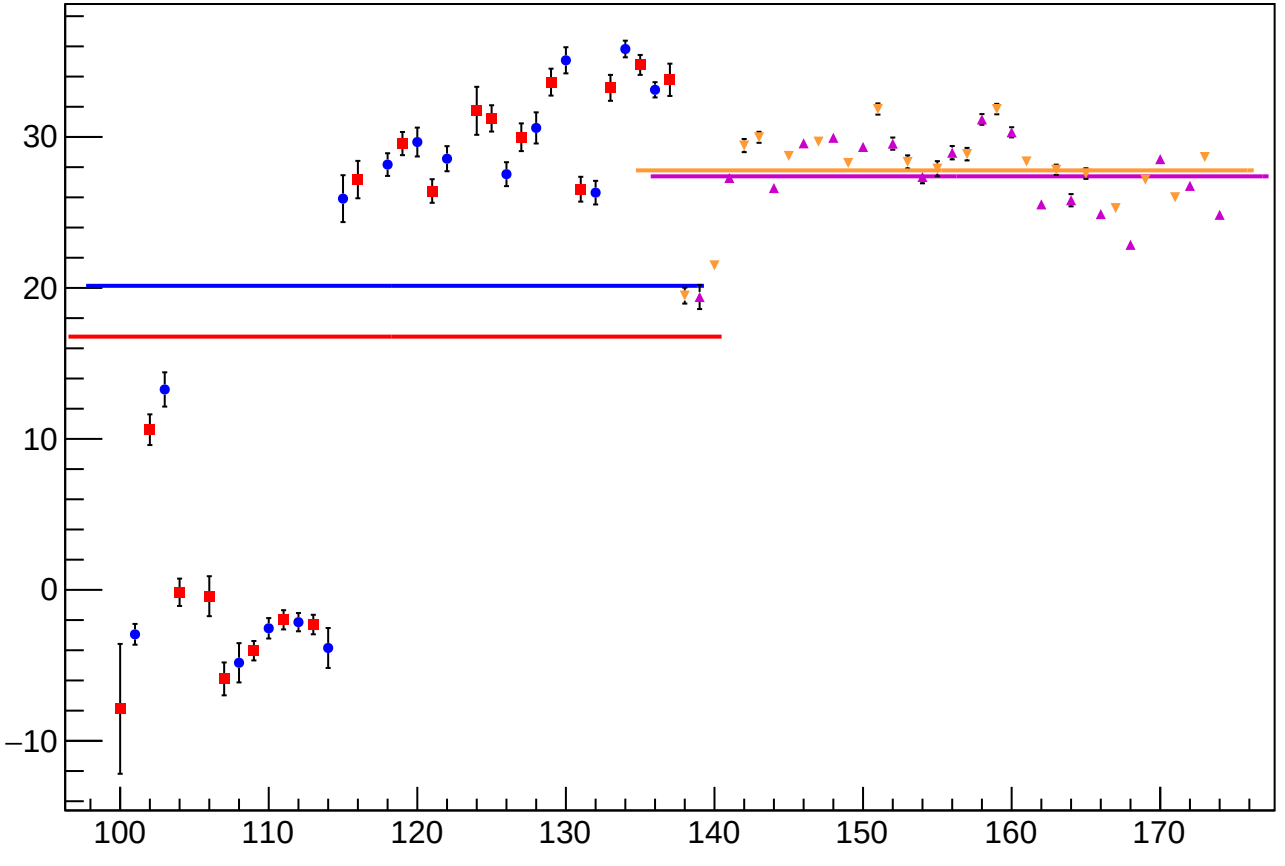
Right: -39.526+/-0.128 χ^2/NDF: 962.9/34

In: -29.813+/-0.081 χ^2/NDF:9889.8/33

Out: -30.919+/-0.082 χ^2/NDF:7516.7/37

All: -30.356+/-0.058 χ^2/NDF: 17498.0/71

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.140+/-0.195 χ^2/NDF: 6684.6/15

Left Out: 27.787+/-0.076 χ^2/NDF:1130.2/18

Right Out: 16.775+/-0.200 χ^2/NDF: 6739.1/18

Left In: 27.391+/-0.075 χ^2/NDF:981.2/17

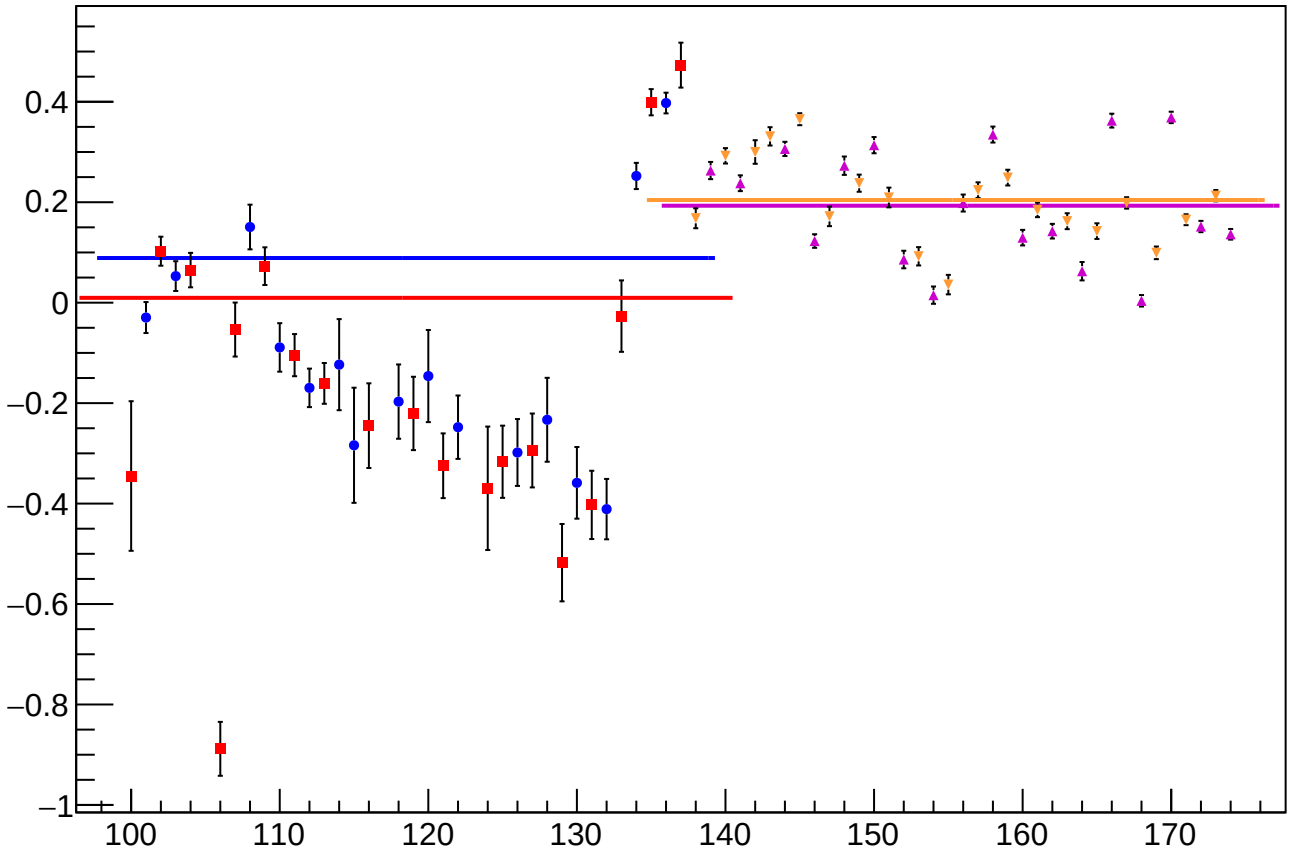
Left: 27.587+/-0.054 χ^2/NDF: 2125.1/36

Right: 18.500+/-0.139 χ^2/NDF: 13569.2/34

In: 26.447+/-0.070 χ^2/NDF:8872.1/33

Out: 26.394+/-0.071 χ^2/NDF:10525.1/37

All: 26.421+/-0.050 χ^2/NDF: 19397.5/71



Right In: 0.089+/-0.010 χ^2/NDF: 563.9/15

Left Out: 0.204+/-0.003 χ^2/NDF:520.6/18

Right Out: 0.010+/-0.011 χ^2/NDF: 834.8/18

Left In: 0.193+/-0.003 χ^2/NDF:1202.1/17

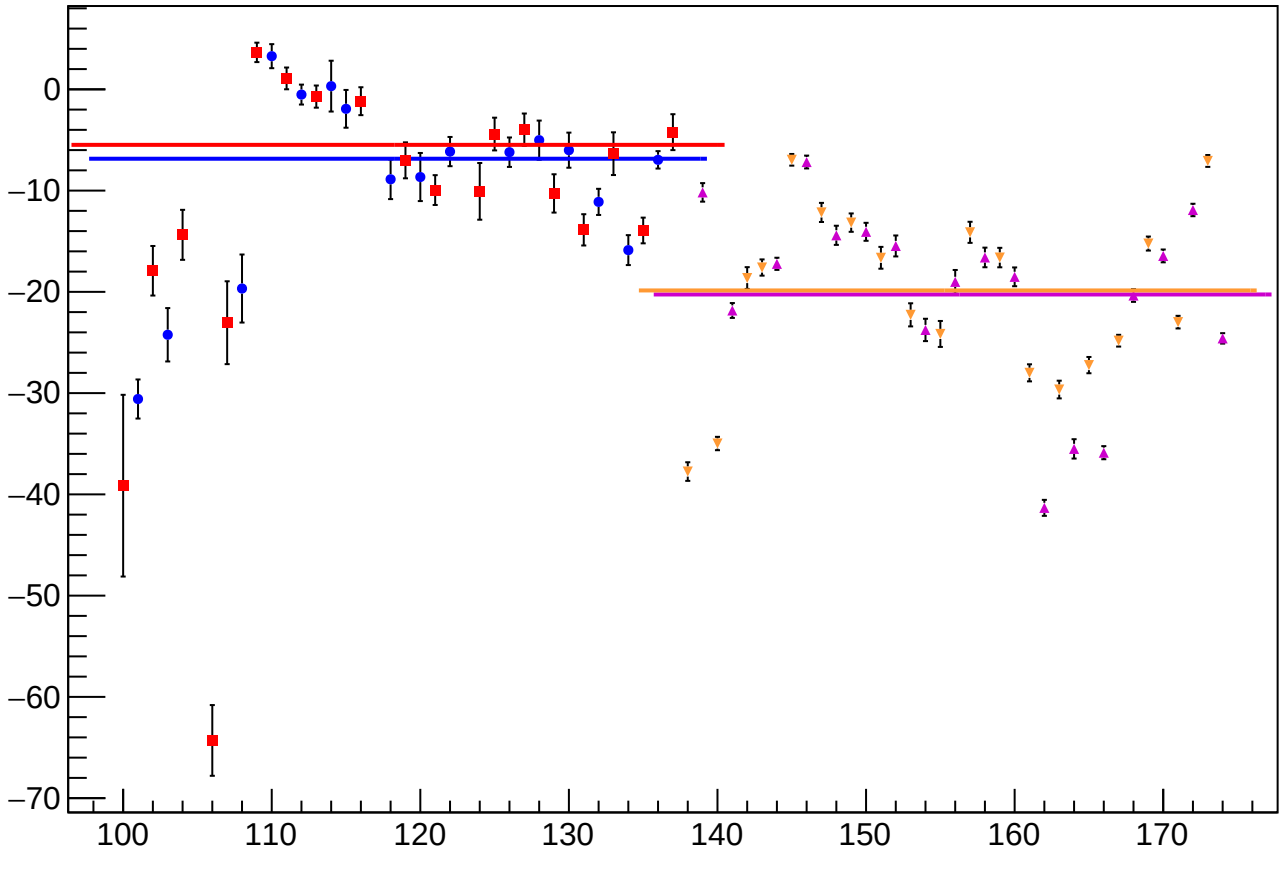
Left: 0.199+/-0.002 χ^2/NDF: 1728.2/36

Right: 0.052+/-0.008 χ^2/NDF: 1426.1/34

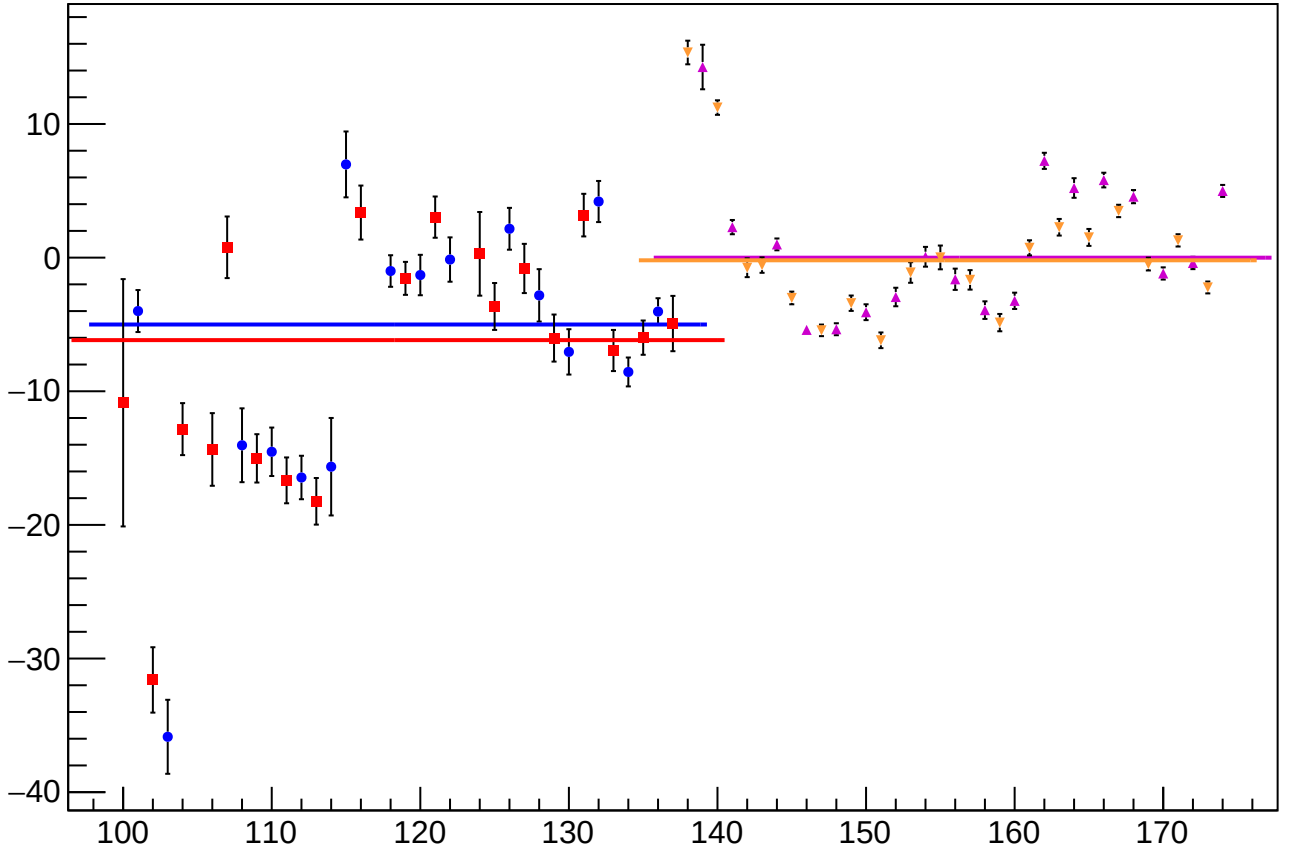
In: 0.183+/-0.003 χ^2/NDF:1856.6/33

Out: 0.187+/-0.003 χ^2/NDF:1640.0/37

All: 0.185+/-0.002 χ^2/NDF: 3497.3/71


reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
−60
−70
100
110
120
130
140
150
160
170
Right In: -6.853+/-0.376 χ²/NDF: 390.1/15
Left Out: -19.860+/-0.182 χ²/NDF:2521.5/18
Right Out: -5.483+/-0.369 χ²/NDF: 606.5/18
Left In: -20.258+/-0.177 χ²/NDF:2553.0/17
Left: -20.065+/-0.127 χ²/NDF: 5077.0/36
Right: -6.155+/-0.263 χ²/NDF: 1003.4/34
In: -17.824+/-0.160 χ²/NDF:3985.6/33
Out: -17.052+/-0.163 χ²/NDF:4349.8/37
All: -17.445+/-0.114 χ²/NDF: 8346.8/71

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.005+/-0.395 χ^2/NDF: 341.7/15

Left Out: -0.200+/-0.130 χ^2/NDF:1245.3/18

Right Out: -6.173+/-0.417 χ^2/NDF: 369.1/18

Left In: -0.004+/-0.128 χ^2/NDF:1102.0/17

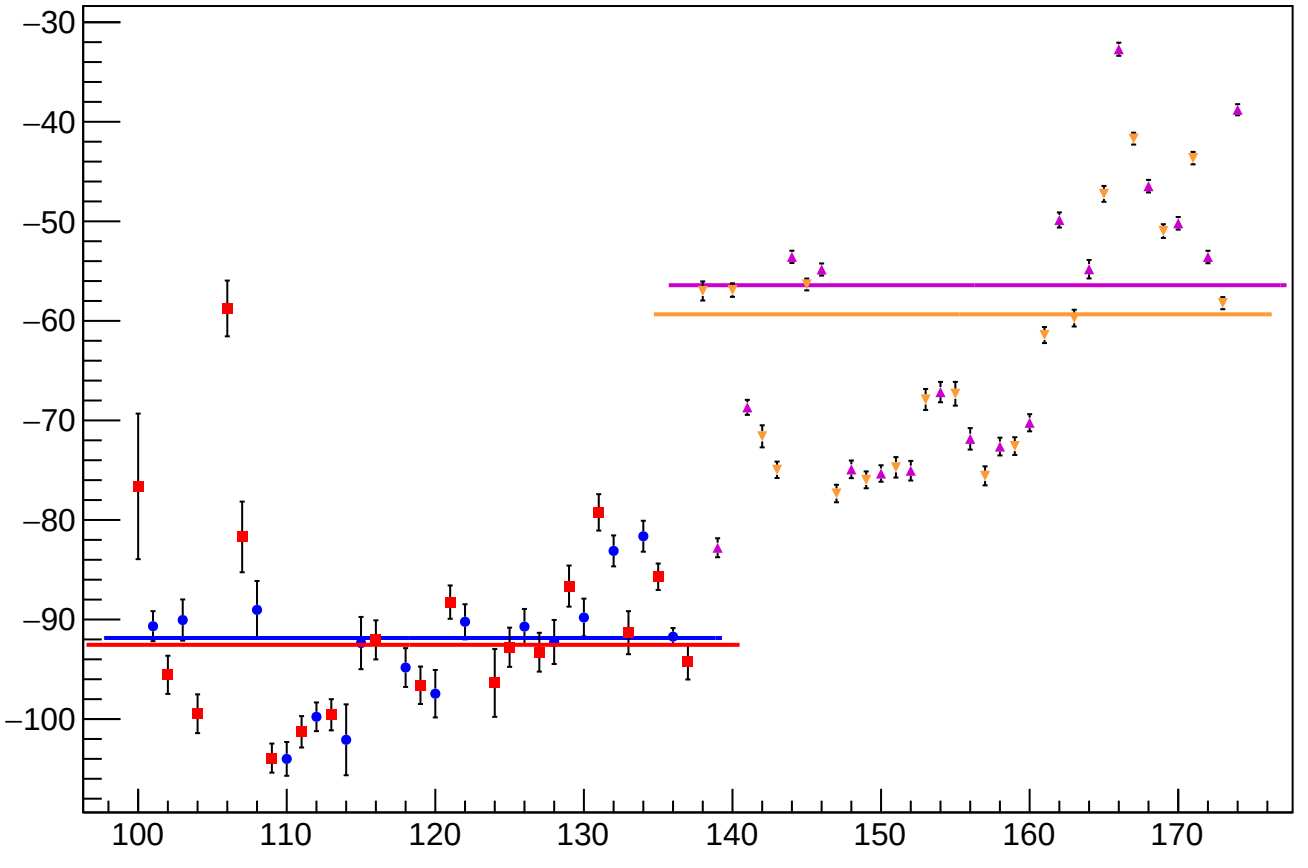
Left: -0.101+/-0.091 χ^2/NDF: 2348.4/36

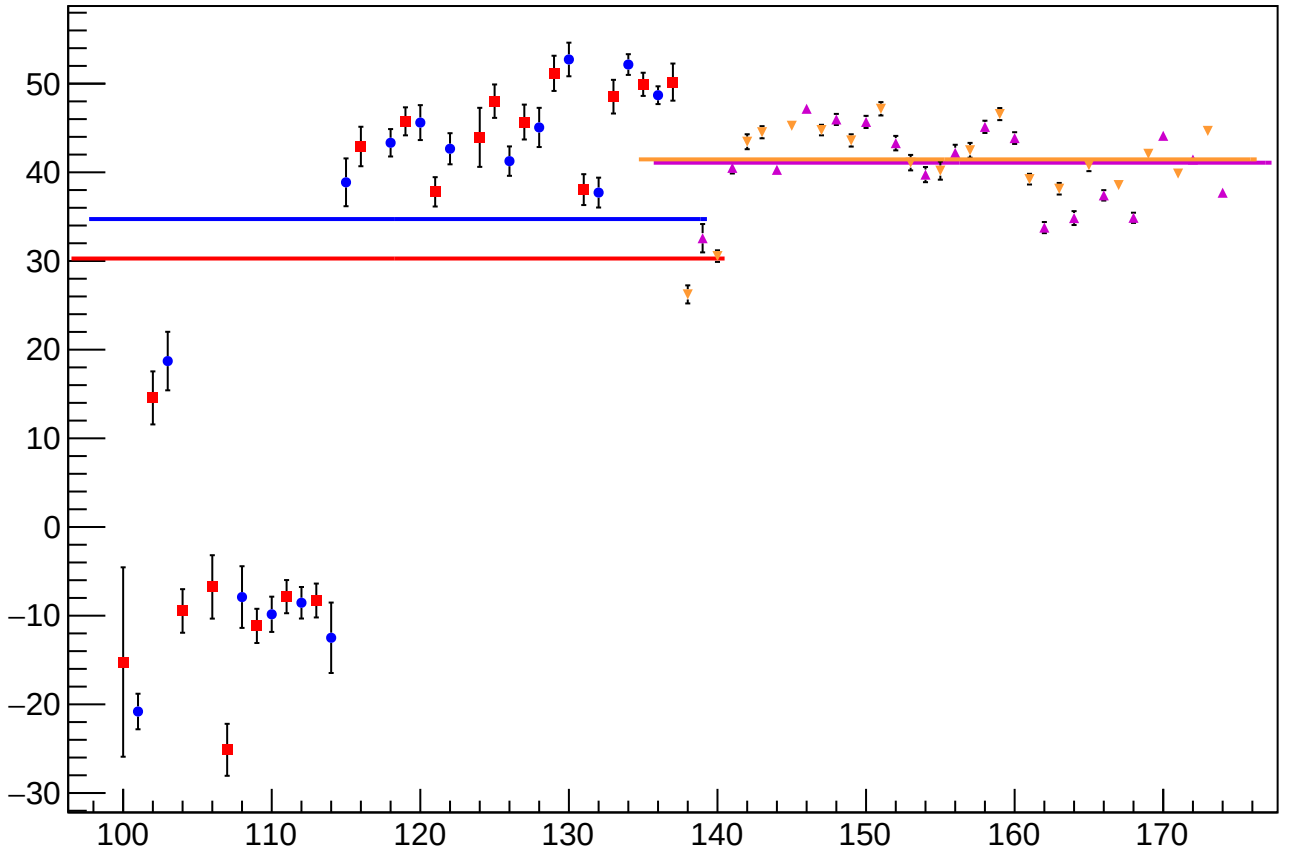
Right: -5.558+/-0.287 χ^2/NDF: 715.0/34

In: -0.481+/-0.122 χ^2/NDF:1588.4/33

Out: -0.728+/-0.124 χ^2/NDF:1801.8/37

All: -0.602+/-0.087 χ^2/NDF: 3392.3/71


reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
100
110
120
130
140
150
160
170
Right In: -91.856+/-0.424 χ²/NDF: 177.3/15
Left Out: -59.341+/-0.181 χ²/NDF:4060.6/18
Right Out: -92.544+/-0.439 χ²/NDF: 387.8/18
Left In: -56.417+/-0.176 χ²/NDF:6002.0/17
Left: -57.842+/-0.126 χ²/NDF: 10196.9/36
Right: -92.188+/-0.305 χ²/NDF: 566.3/34
In: -61.631+/-0.163 χ²/NDF:12136.3/33
Out: -64.145+/-0.167 χ²/NDF:9335.7/37
All: -62.854+/-0.117 χ²/NDF: 21588.2/71



Right In: 34.729+/-0.442 χ^2/NDF: 2809.1/15

Left Out: 41.459+/-0.148 χ^2/NDF:860.5/18

Right Out: 30.279+/-0.467 χ^2/NDF: 2911.2/18

Left In: 41.084+/-0.146 χ^2/NDF:812.7/17

Left: 41.269+/-0.104 χ^2/NDF: 1676.4/36

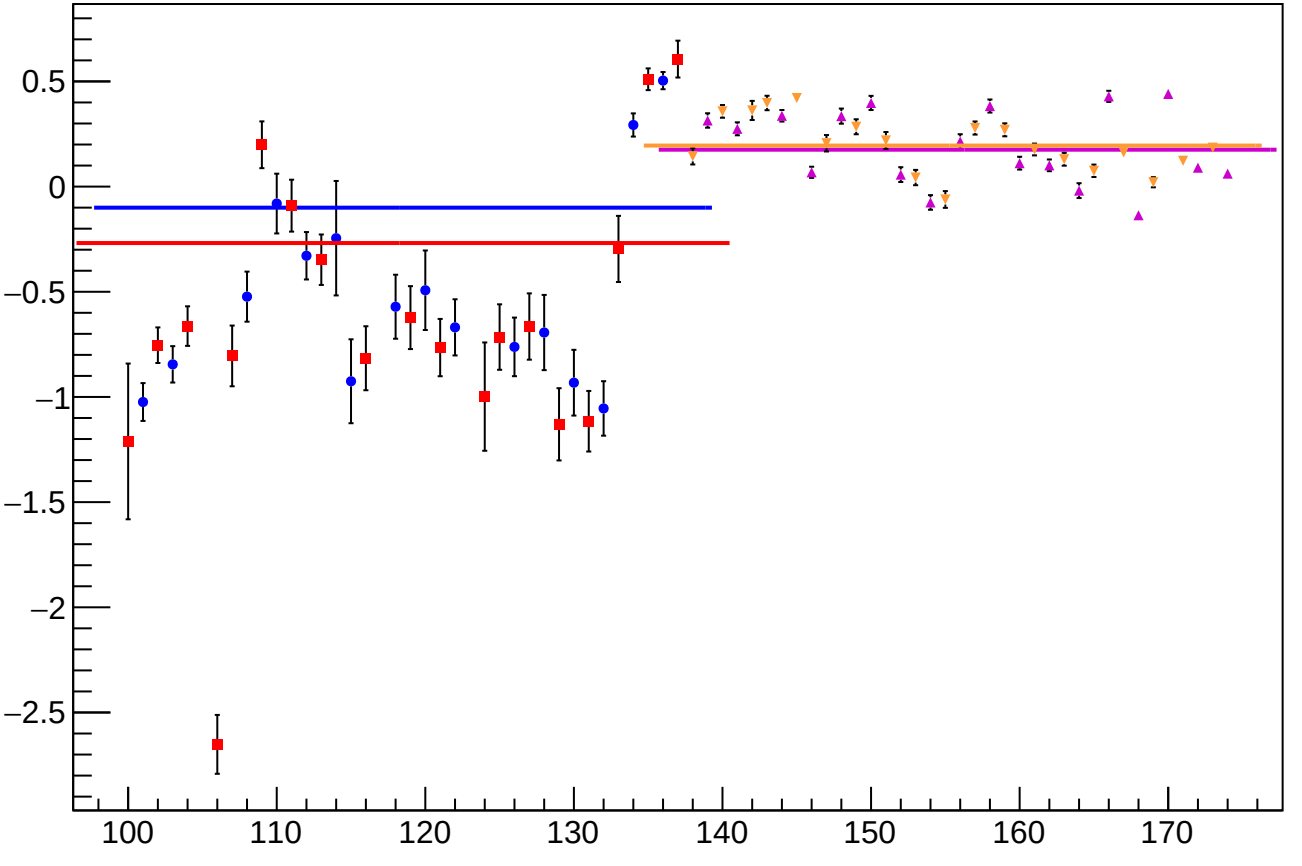
Right: 32.627+/-0.321 χ^2/NDF: 5768.2/34

In: 40.457+/-0.139 χ^2/NDF:3808.2/33

Out: 40.438+/-0.141 χ^2/NDF:4292.2/37

All: 40.448+/-0.099 χ^2/NDF: 8100.4/71

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.100+/-0.024 χ^2/NDF: 631.4/15

Left Out: 0.195+/-0.007 χ^2/NDF:337.8/18

Right Out: -0.268+/-0.026 χ^2/NDF: 822.4/18

Left In: 0.175+/-0.007 χ^2/NDF:786.6/17

Left: 0.185+/-0.005 χ^2/NDF: 1128.9/36

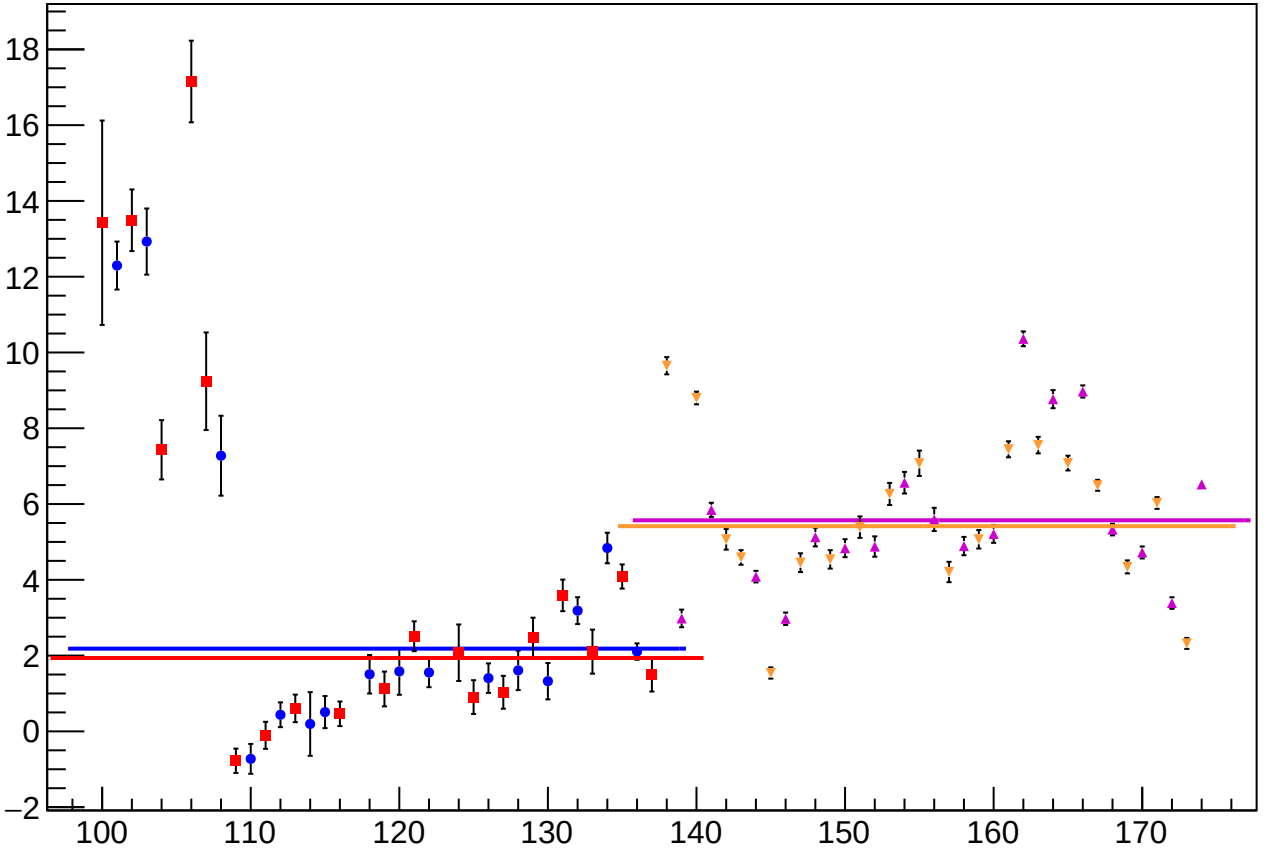
Right: -0.176+/-0.018 χ^2/NDF: 1476.0/34

In: 0.156+/-0.006 χ^2/NDF:1540.6/33

Out: 0.167+/-0.007 χ^2/NDF:1450.8/37

All: 0.161+/-0.005 χ^2/NDF: 2992.8/71

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: 5.416+/-0.046 χ^2/NDF:2360.1/18

Right Out: 1.936+/-0.105 χ^2/NDF: 717.1/18

Left In: 5.571+/-0.044 χ^2/NDF:2036.8/17

Left: 5.496+/-0.032 χ^2/NDF: 4402.9/36

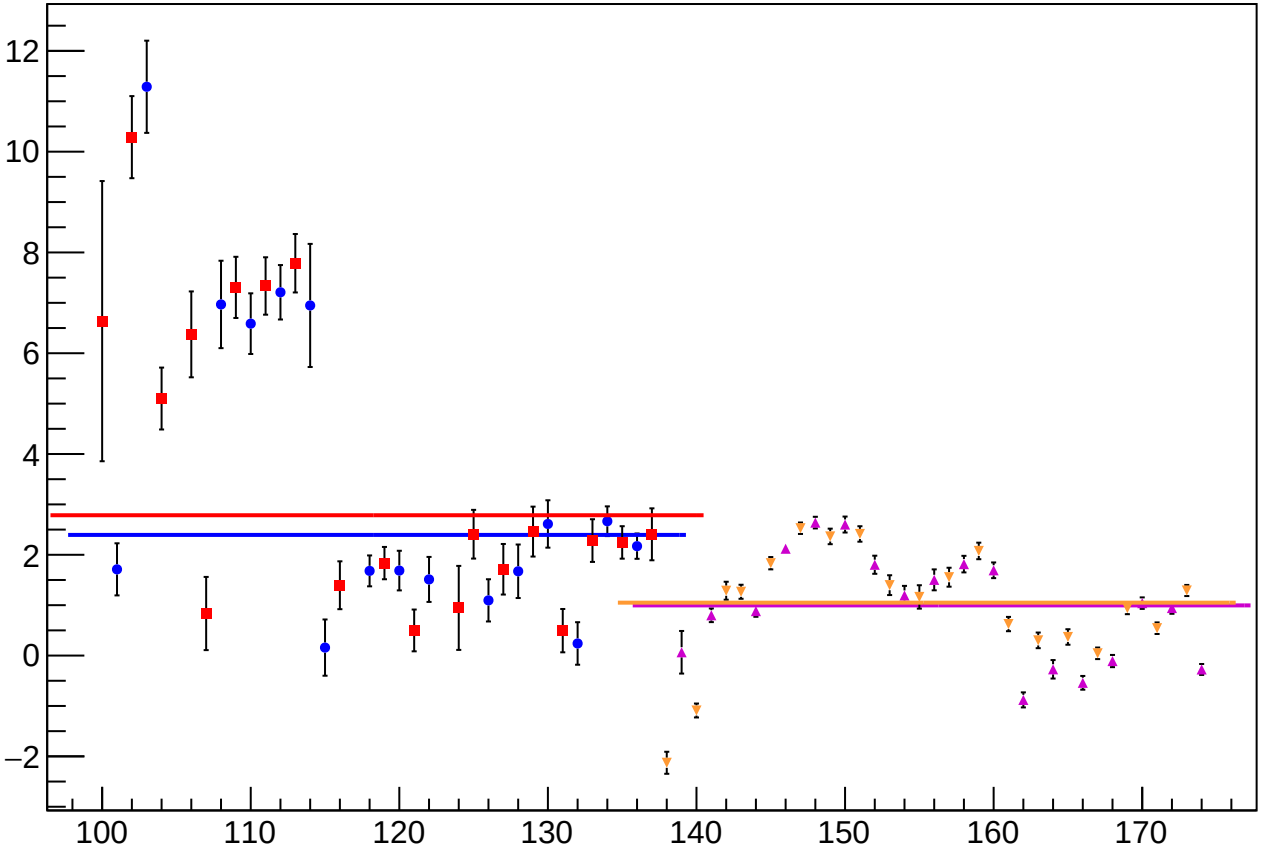
Right: 2.061+/-0.074 χ^2/NDF: 1319.2/34

In: 5.056+/-0.041 χ^2/NDF:3518.9/33

Out: 4.865+/-0.042 χ^2/NDF:3993.0/37

All: 4.963+/-0.029 χ^2/NDF: 7522.6/71

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.394+/-0.108 χ^2/NDF: 333.9/15

Left Out: 1.050+/-0.033 χ^2/NDF:1019.7/18

Right Out: 2.785+/-0.116 χ^2/NDF: 410.9/18

Left In: 0.996+/-0.032 χ^2/NDF:1078.0/17

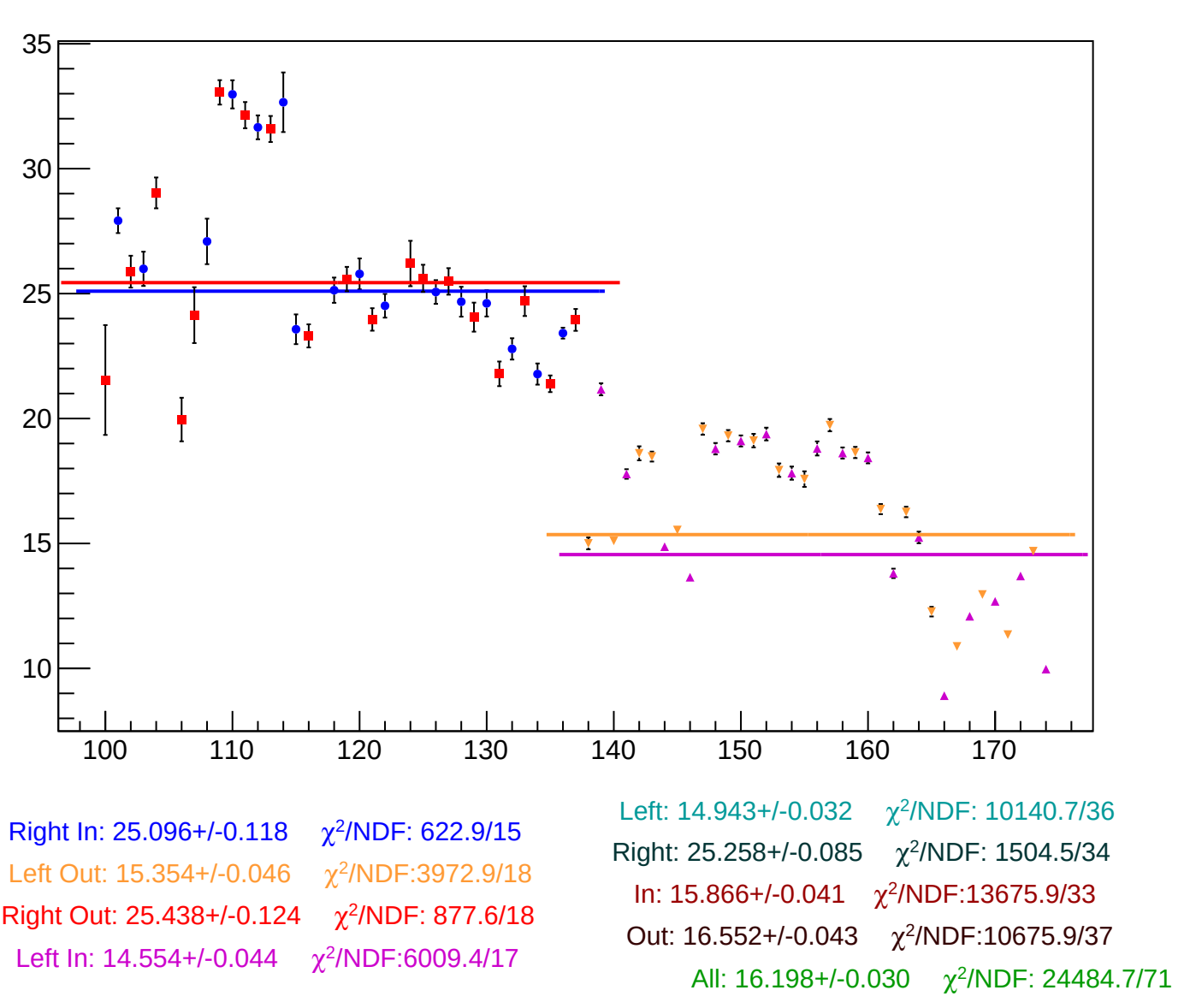
Left: 1.023+/-0.023 χ^2/NDF: 2099.0/36

Right: 2.577+/-0.079 χ^2/NDF: 750.9/34

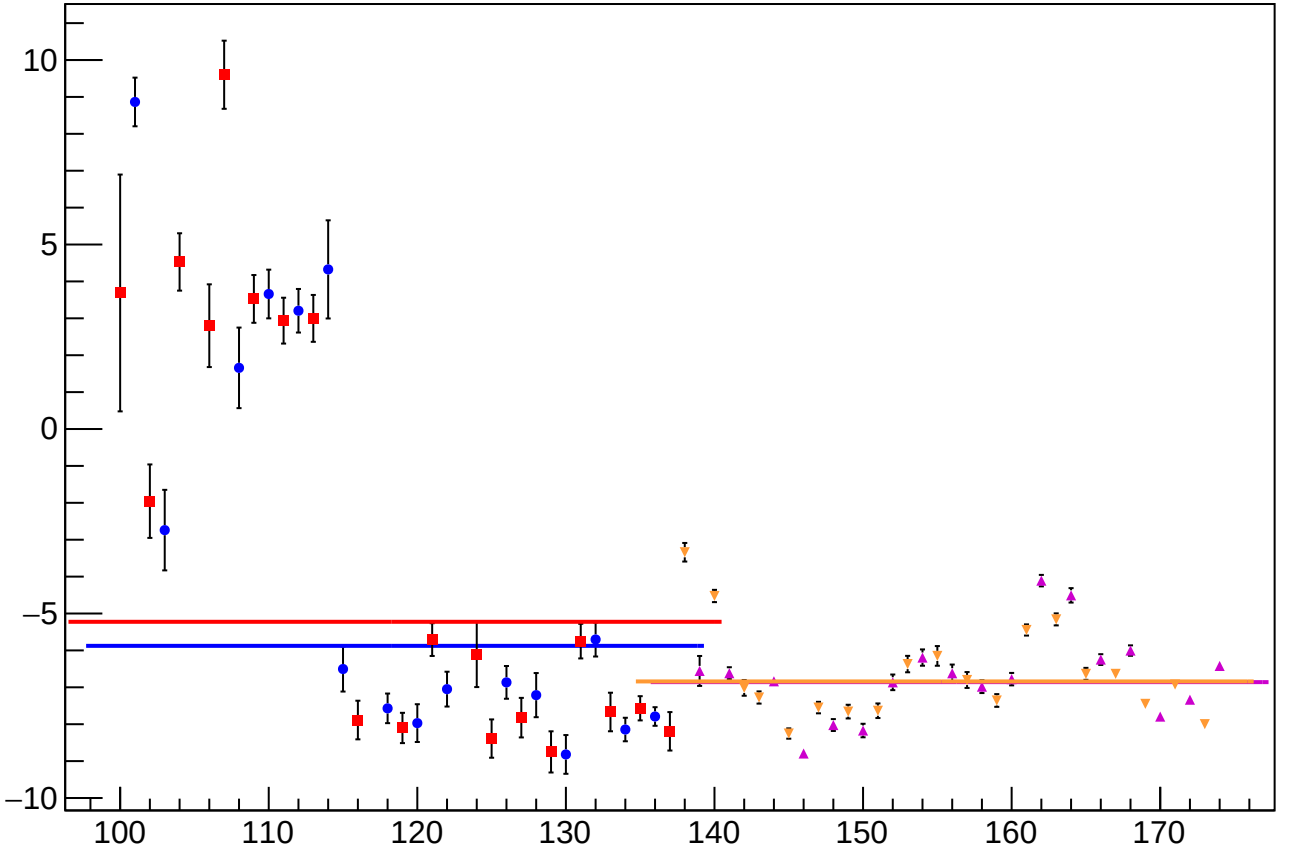
In: 1.110+/-0.031 χ^2/NDF:1564.9/33

Out: 1.178+/-0.032 χ^2/NDF:1638.1/37

All: 1.144+/-0.022 χ^2/NDF: 3205.4/71


reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
35
30
25
20
15
10
100
110
120
130
140
150
160
170
Right In: 25.096+/-0.118 χ²/NDF: 622.9/15
Left Out: 15.354+/-0.046 χ²/NDF:3972.9/18
Right Out: 25.438+/-0.124 χ²/NDF: 877.6/18
Left In: 14.554+/-0.044 χ²/NDF:6009.4/17
Left: 14.943+/-0.032 χ²/NDF: 10140.7/36
Right: 25.258+/-0.085 χ²/NDF: 1504.5/34
In: 15.866+/-0.041 χ²/NDF:13675.9/33
Out: 16.552+/-0.043 χ²/NDF:10675.9/37
All: 16.198+/-0.030 χ²/NDF: 24484.7/71

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.876+/-0.121 χ^2/NDF: 1251.4/15

Left Out: -6.841+/-0.037 χ^2/NDF:884.0/18

Right Out: -5.225+/-0.129 χ^2/NDF: 1292.0/18

Left In: -6.860+/-0.037 χ^2/NDF:975.2/17

Left: -6.850+/-0.026 χ^2/NDF: 1859.4/36

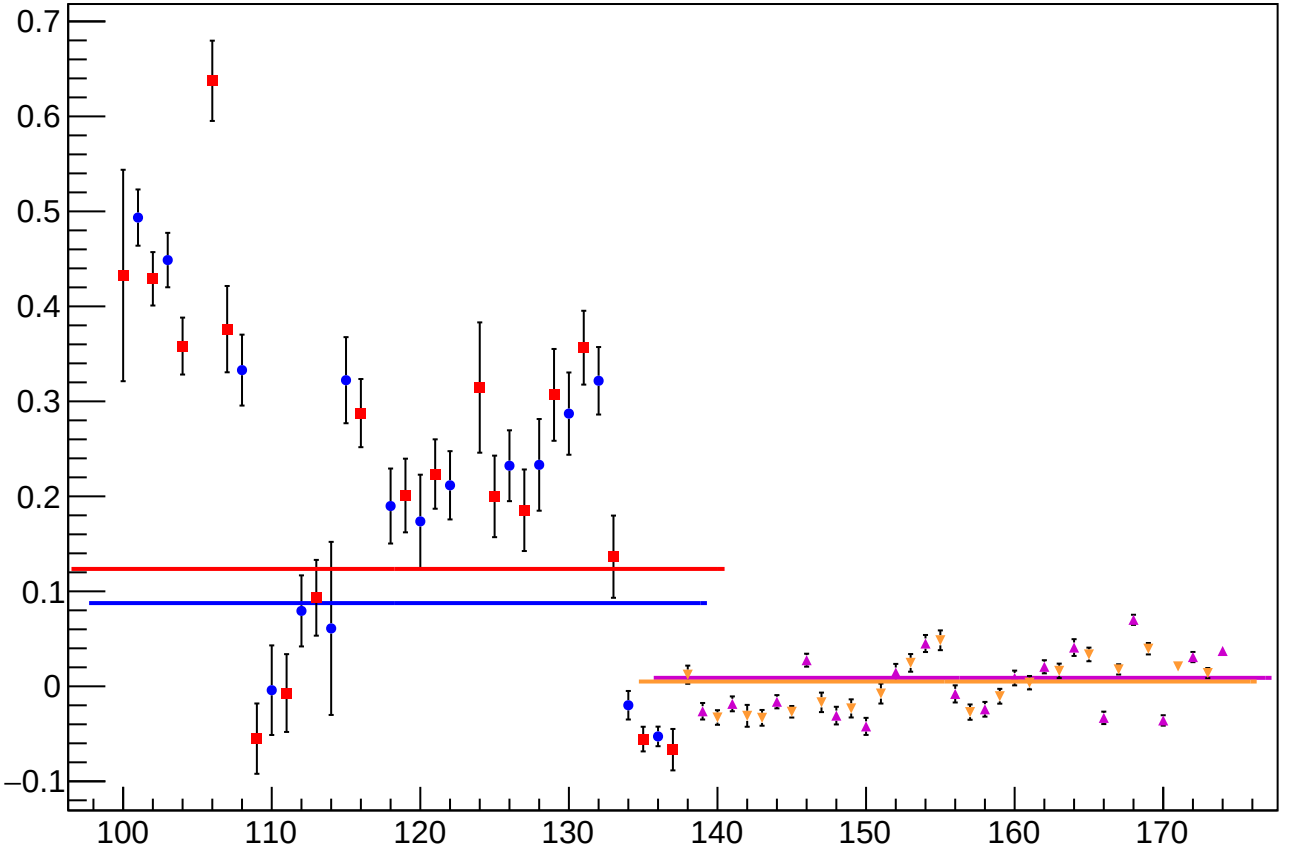
Right: -5.573+/-0.088 χ^2/NDF: 2556.9/34

In: -6.776+/-0.035 χ^2/NDF:2287.4/33

Out: -6.717+/-0.036 χ^2/NDF:2319.9/37

All: -6.747+/-0.025 χ^2/NDF: 4608.7/71

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.088+/-0.007 χ^2/NDF: 768.0/15

Left Out: 0.005+/-0.002 χ^2/NDF:208.6/18

Right Out: 0.124+/-0.007 χ^2/NDF: 762.3/18

Left In: 0.009+/-0.002 χ^2/NDF:446.0/17

Left: 0.007+/-0.001 χ^2/NDF: 657.3/36

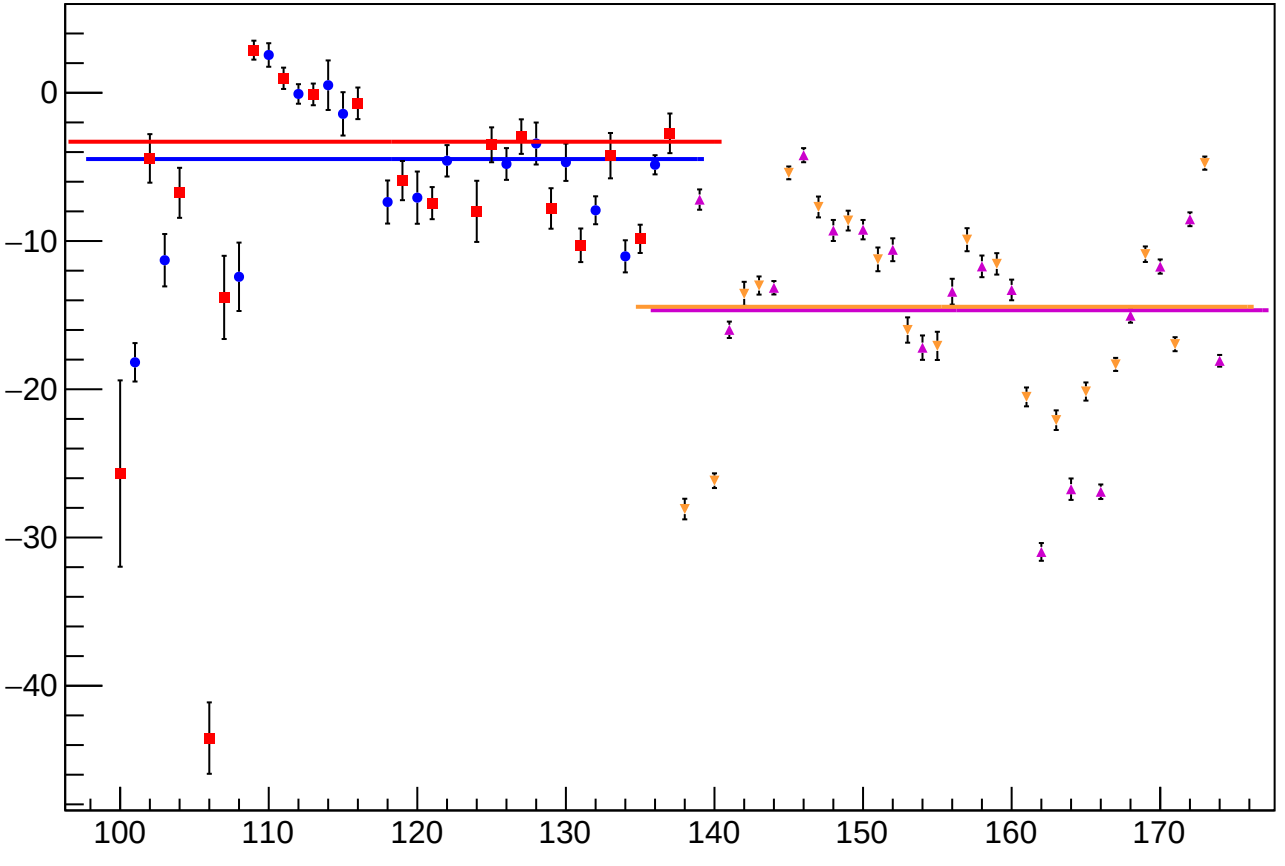
Right: 0.104+/-0.005 χ^2/NDF: 1543.6/34

In: 0.014+/-0.002 χ^2/NDF:1348.2/33

Out: 0.011+/-0.002 χ^2/NDF:1219.2/37

All: 0.012+/-0.001 χ^2/NDF: 2568.6/71

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.471+/-0.268 χ^2/NDF: 331.8/15

Left Out: -14.436+/-0.137 χ^2/NDF:2568.7/18

Right Out: -3.302+/-0.261 χ^2/NDF: 584.6/18

Left In: -14.669+/-0.134 χ^2/NDF:2731.3/17

Left: -14.555+/-0.096 χ^2/NDF: 5301.4/36

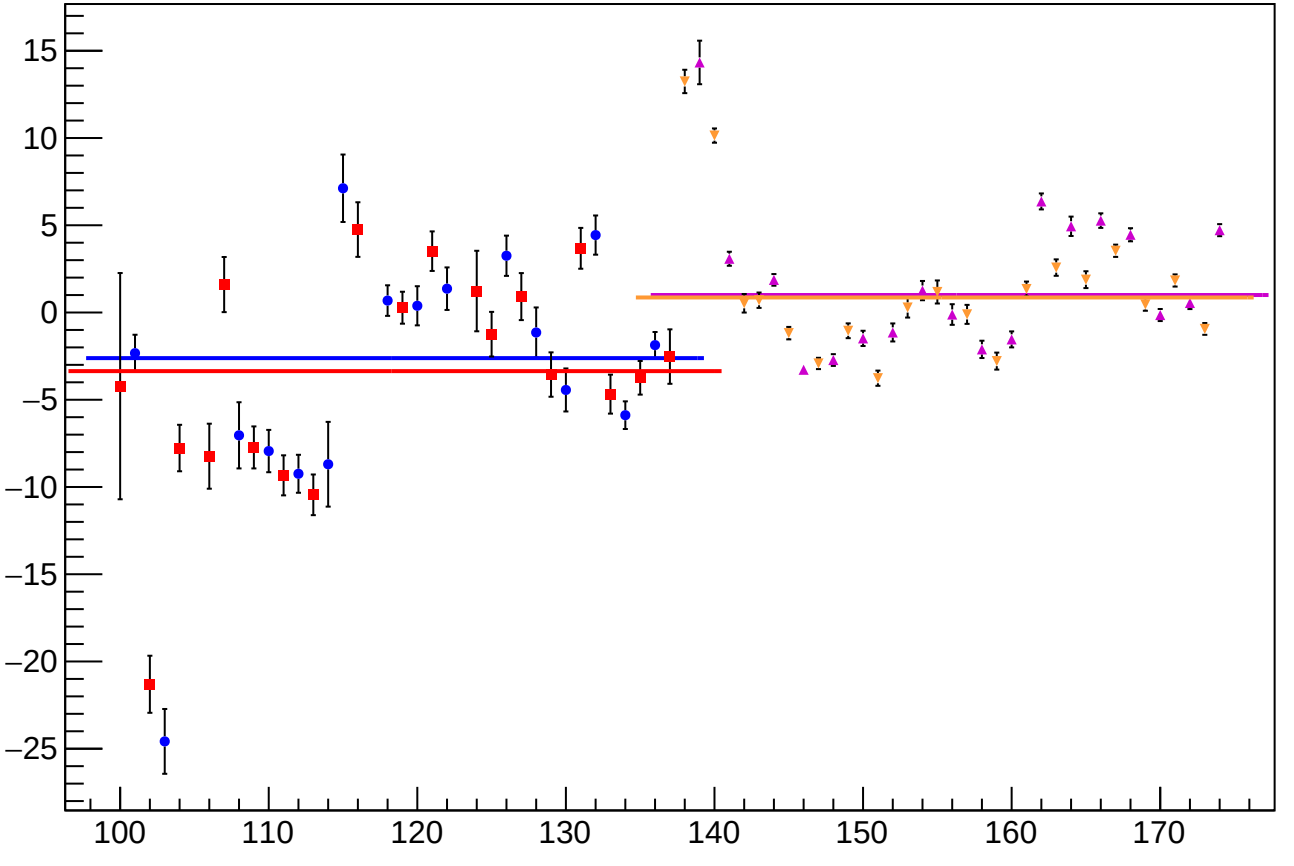
Right: -3.869+/-0.187 χ^2/NDF: 926.1/34

In: -12.645+/-0.120 χ^2/NDF:4220.0/33

Out: -12.027+/-0.121 χ^2/NDF:4581.2/37

All: -12.341+/-0.085 χ^2/NDF: 8814.4/71

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.615+/-0.286 χ^2/NDF: 351.9/15

Left Out: 0.862+/-0.098 χ^2/NDF:1332.8/18

Right Out: -3.359+/-0.299 χ^2/NDF: 359.6/18

Left In: 1.002+/-0.097 χ^2/NDF:1127.2/17

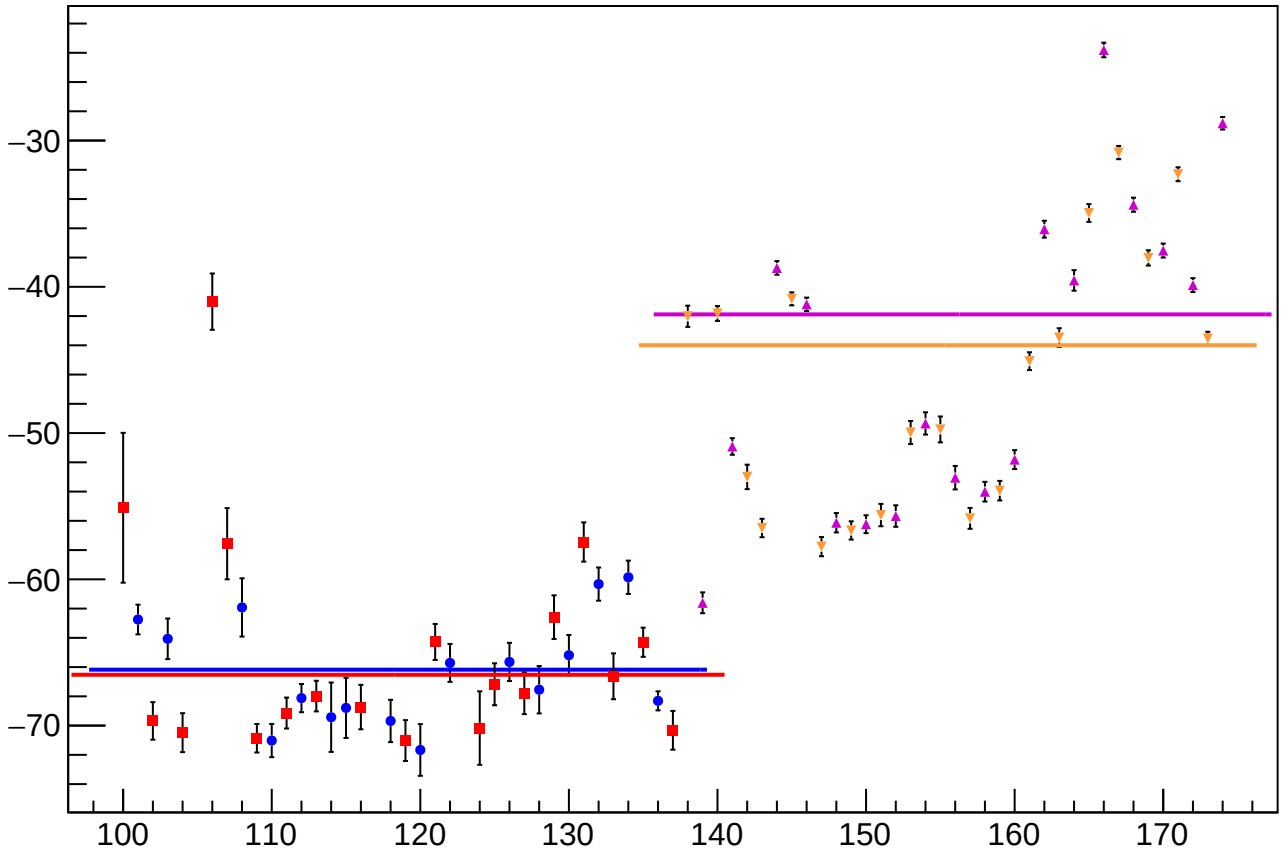
Left: 0.932+/-0.069 χ^2/NDF: 2461.0/36

Right: -2.970+/-0.206 χ^2/NDF: 714.8/34

In: 0.630+/-0.092 χ^2/NDF:1622.8/33

Out: 0.454+/-0.093 χ^2/NDF:1872.7/37

All: 0.543+/-0.065 χ^2/NDF: 3497.4/71



Right In: -66.176+/-0.304 χ^2/NDF: 129.2/15

Left Out: -43.995+/-0.136 χ^2/NDF:4075.2/18

Right Out: -66.526+/-0.312 χ^2/NDF: 321.7/18

Left In: -41.886+/-0.133 χ^2/NDF:5970.5/17

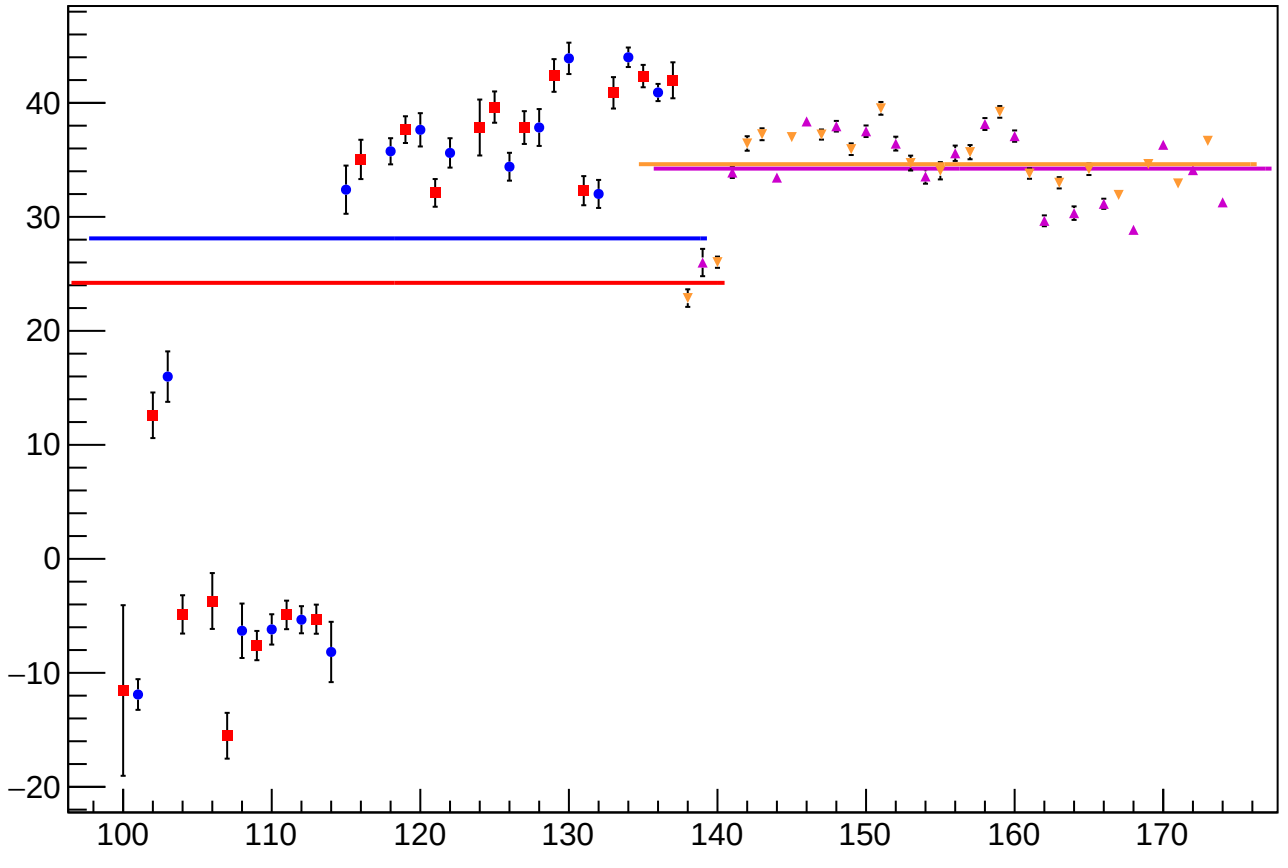
Left: -42.915+/-0.095 χ^2/NDF: 10168.6/36

Right: -66.346+/-0.218 χ^2/NDF: 451.5/34

In: -45.776+/-0.122 χ^2/NDF:11450.2/33

Out: -47.590+/-0.125 χ^2/NDF:8766.8/37

All: -46.660+/-0.087 χ^2/NDF: 20325.2/71



Right In: 28.112+/-0.320 χ^2/NDF: 3727.7/15

Left Out: 34.621+/-0.112 χ^2/NDF:919.5/18

Right Out: 24.212+/-0.336 χ^2/NDF: 3841.7/18

Left In: 34.233+/-0.110 χ^2/NDF:832.9/17

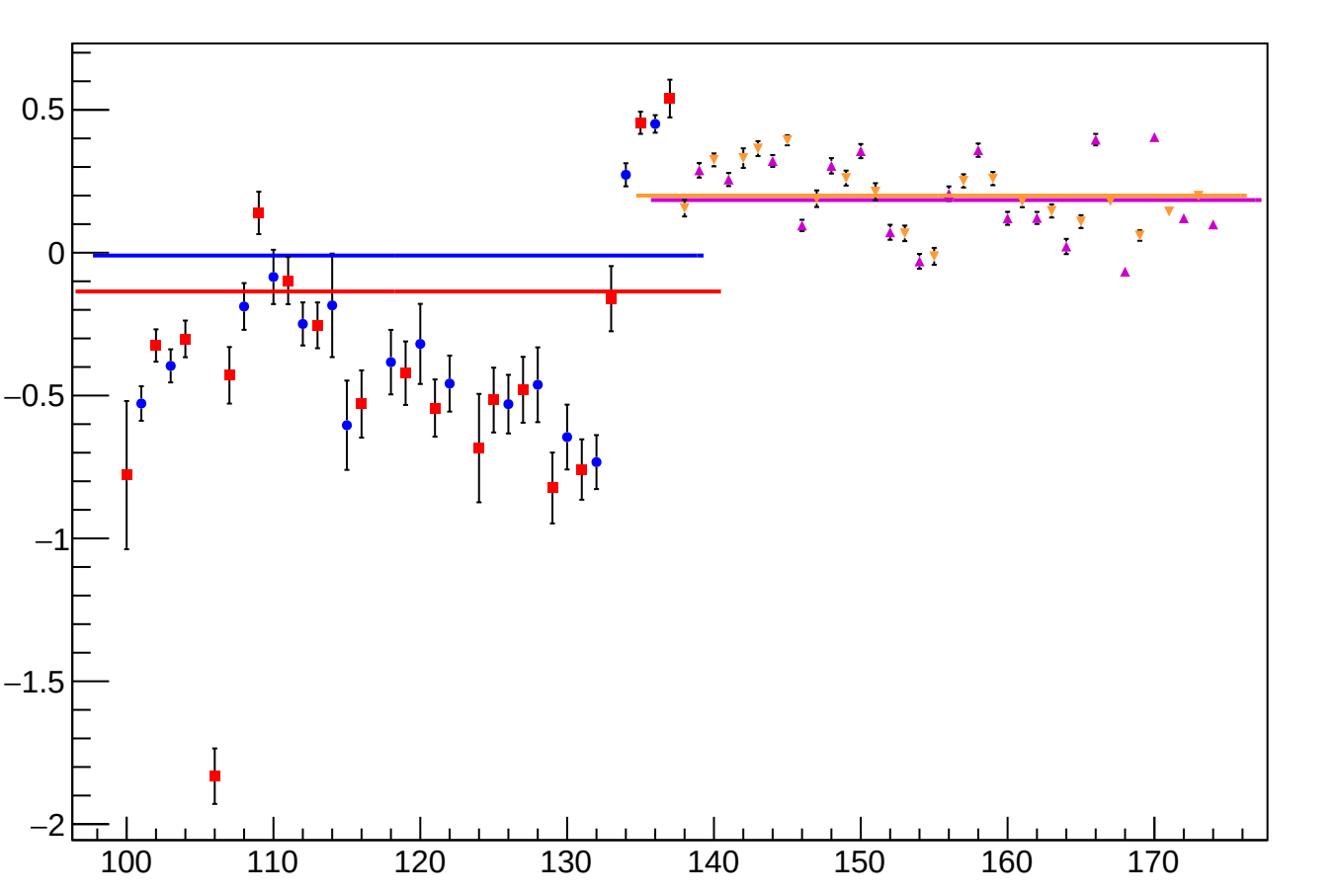
Left: 34.425+/-0.078 χ^2/NDF: 1758.6/36

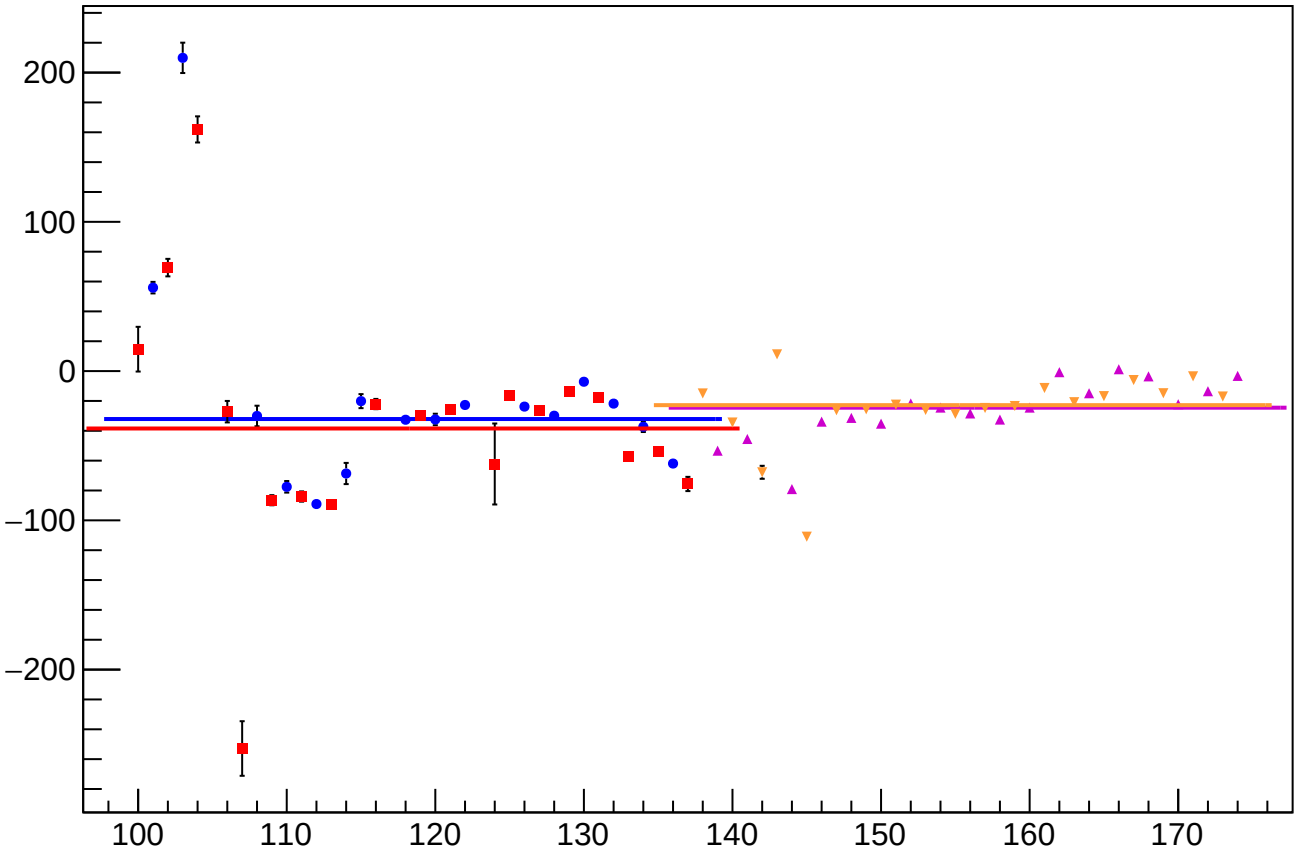
Right: 26.255+/-0.232 χ^2/NDF: 7640.1/34

In: 33.582+/-0.104 χ^2/NDF:4887.7/33

Out: 33.584+/-0.106 χ^2/NDF:5627.5/37

All: 33.583+/-0.074 χ^2/NDF: 10515.1/71


reg_asym_sam_12345678_avg_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: -0.010+/-0.017 χ²/NDF: 587.4/15
Left Out: 0.200+/-0.005 χ²/NDF:394.6/18
Right Out: -0.136+/-0.019 χ²/NDF: 818.5/18
Left In: 0.184+/-0.005 χ²/NDF:920.6/17
Left: 0.192+/-0.004 χ²/NDF: 1320.1/36
Right: -0.068+/-0.013 χ²/NDF: 1430.0/34
In: 0.170+/-0.005 χ²/NDF:1624.2/33
Out: 0.177+/-0.005 χ²/NDF:1509.6/37
All: 0.173+/-0.003 χ²/NDF: 3135.0/71



Right In: -32.117+/-0.843 χ^2/NDF: 1877.5/15

Left Out: -22.822+/-0.651 χ^2/NDF:1145.0/18

Right Out: -38.462+/-0.864 χ^2/NDF: 1972.5/18

Left In: -24.523+/-0.645 χ^2/NDF:933.1/17

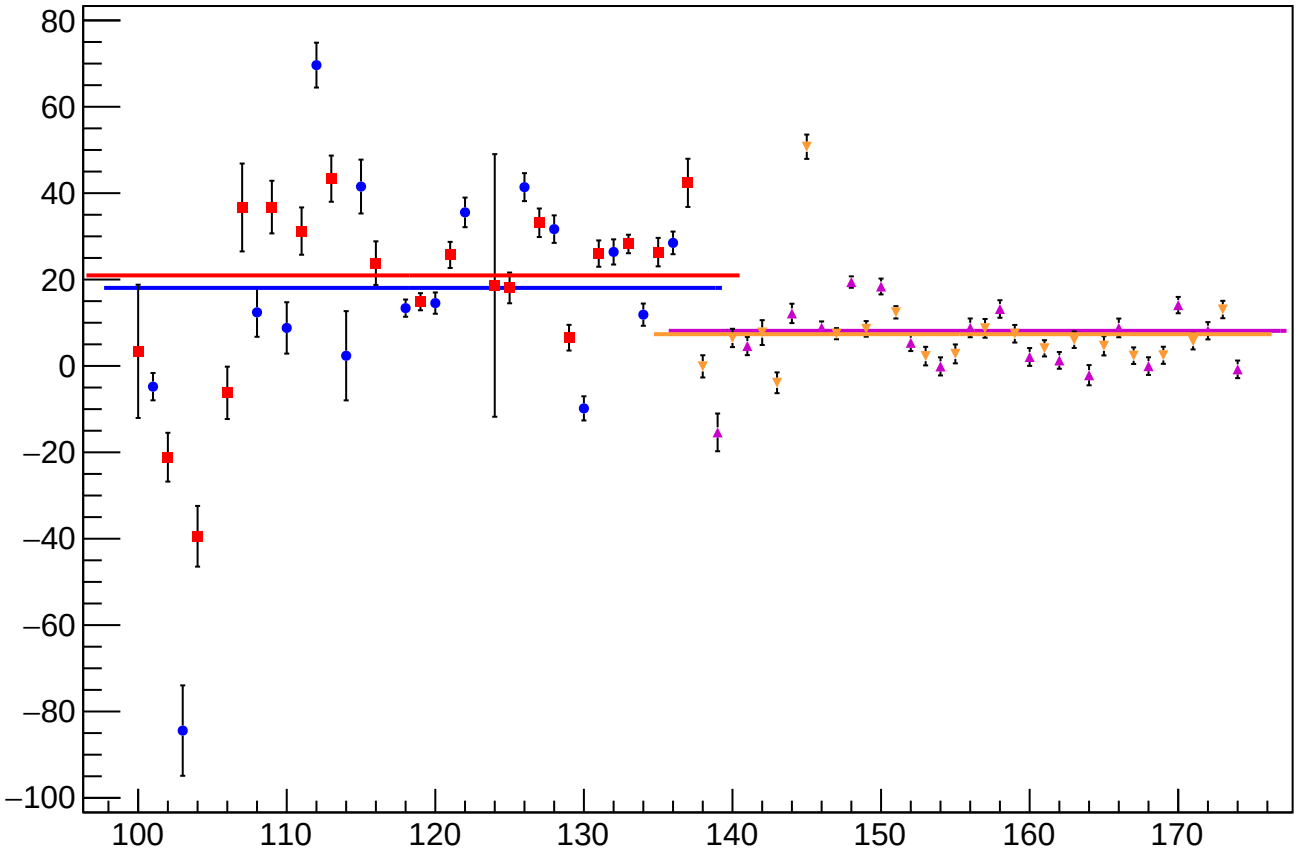
Left: -23.681+/-0.458 χ^2/NDF: 2081.5/36

Right: -35.208+/-0.603 χ^2/NDF: 3877.6/34

In: -27.326+/-0.512 χ^2/NDF:2861.8/33

Out: -28.482+/-0.520 χ^2/NDF:3326.4/37

All: -27.895+/-0.365 χ^2/NDF: 6190.7/71



Right In: 18.068+/-0.823 χ^2/NDF: 499.6/15

Left Out: 7.351+/-0.453 χ^2/NDF:317.8/18

Right Out: 20.959+/-0.868 χ^2/NDF: 262.6/18

Left In: 8.124+/-0.462 χ^2/NDF:249.0/17

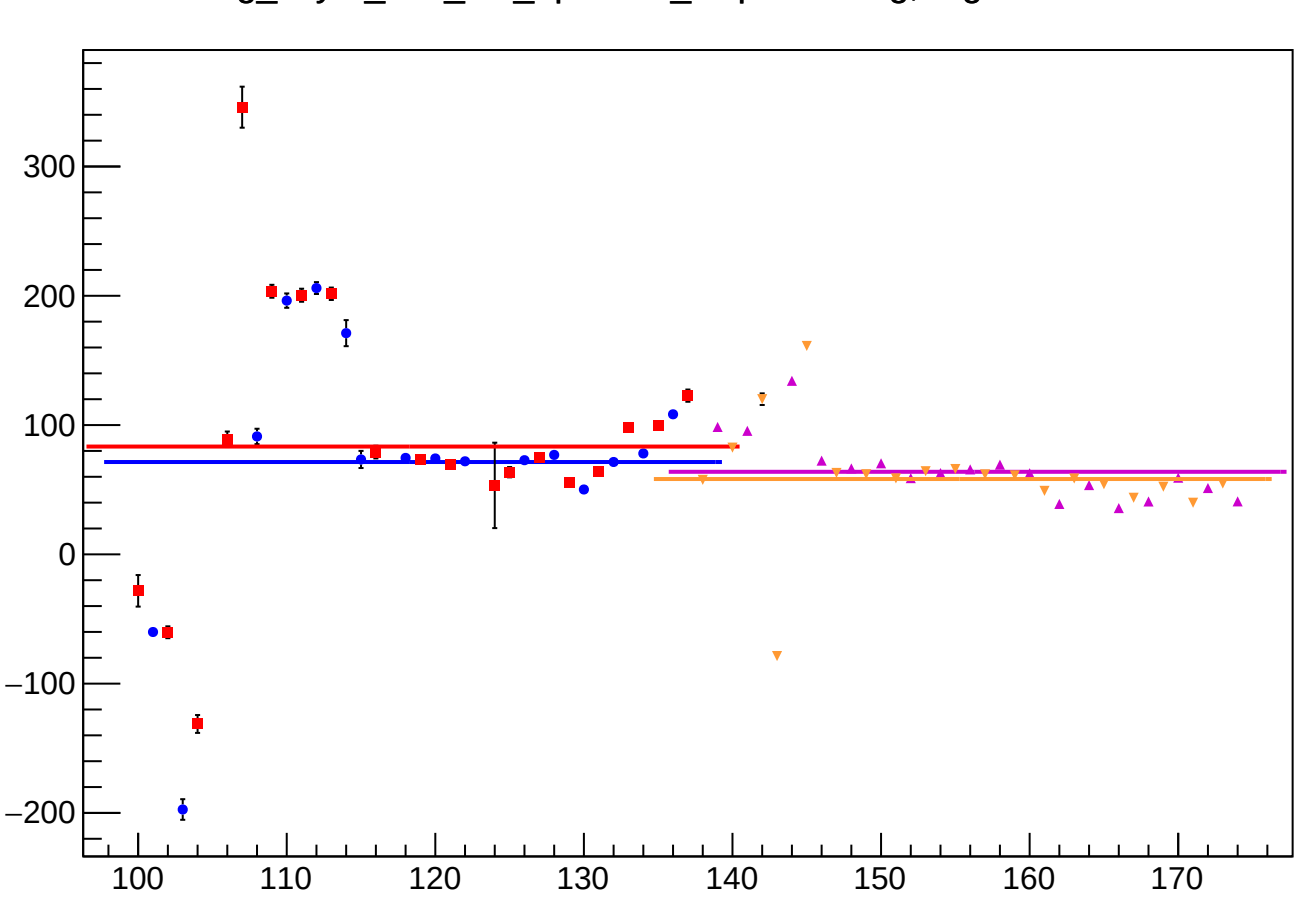
Left: 7.730+/-0.324 χ^2/NDF: 568.2/36

Right: 19.435+/-0.597 χ^2/NDF: 768.0/34

In: 10.511+/-0.403 χ^2/NDF:859.5/33

Out: 10.263+/-0.402 χ^2/NDF:773.5/37

All: 10.386+/-0.285 χ^2/NDF: 1633.2/71



Right In: 71.421+/-0.931 χ^2/NDF: 4819.6/15

Left Out: 58.268+/-0.639 χ^2/NDF:3028.3/18

Right Out: 83.385+/-0.985 χ^2/NDF: 4297.3/18

Left In: 63.855+/-0.634 χ^2/NDF:1259.2/17

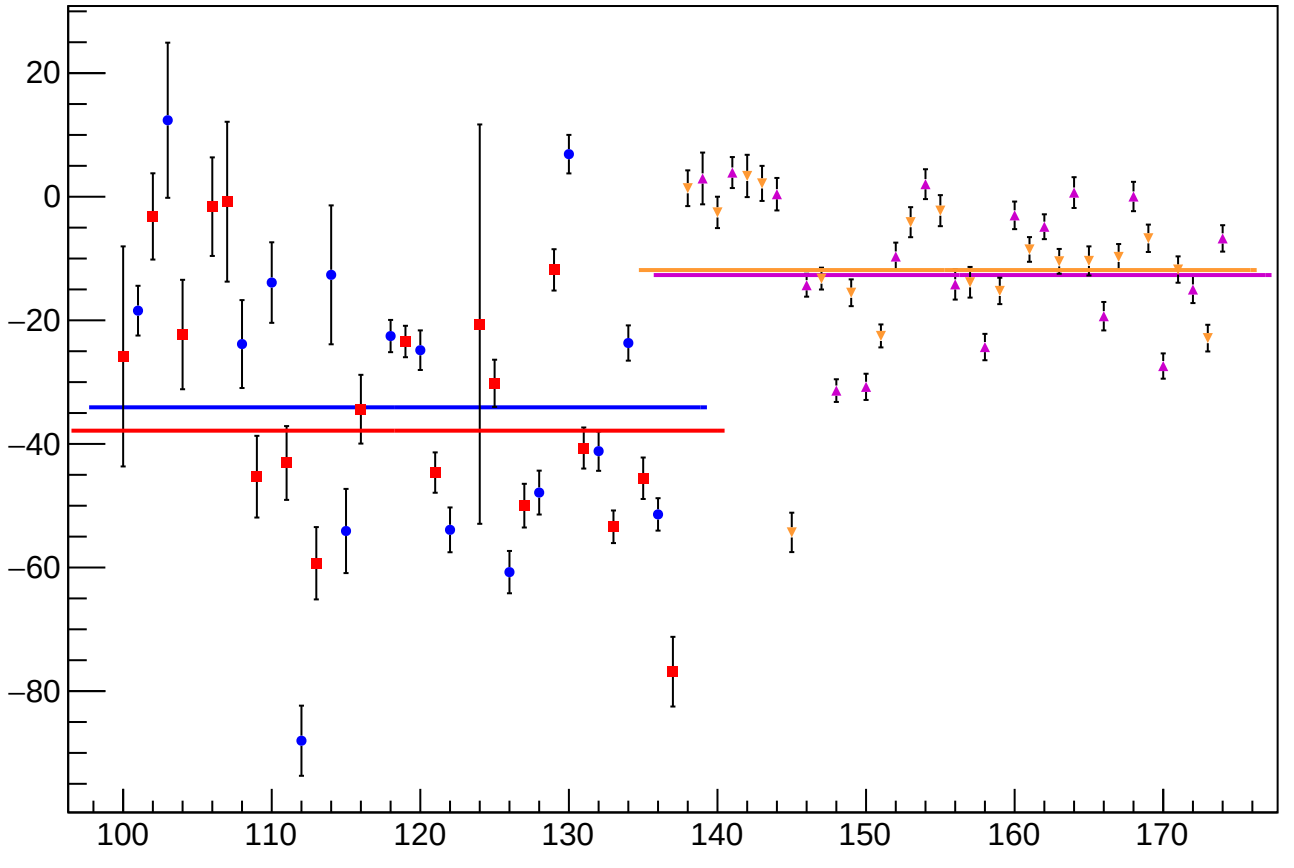
Left: 61.083+/-0.450 χ^2/NDF: 4326.1/36

Right: 77.066+/-0.677 χ^2/NDF: 9194.8/34

In: 66.250+/-0.524 χ^2/NDF:6123.9/33

Out: 65.699+/-0.536 χ^2/NDF:7783.3/37

All: 65.981+/-0.375 χ^2/NDF: 13907.8/71



Right In: -34.077+/-0.942 χ^2/NDF: 511.2/15

Left Out: -11.865+/-0.523 χ^2/NDF:356.5/18

Right Out: -37.855+/-0.994 χ^2/NDF: 274.6/18

Left In: -12.674+/-0.530 χ^2/NDF:488.9/17

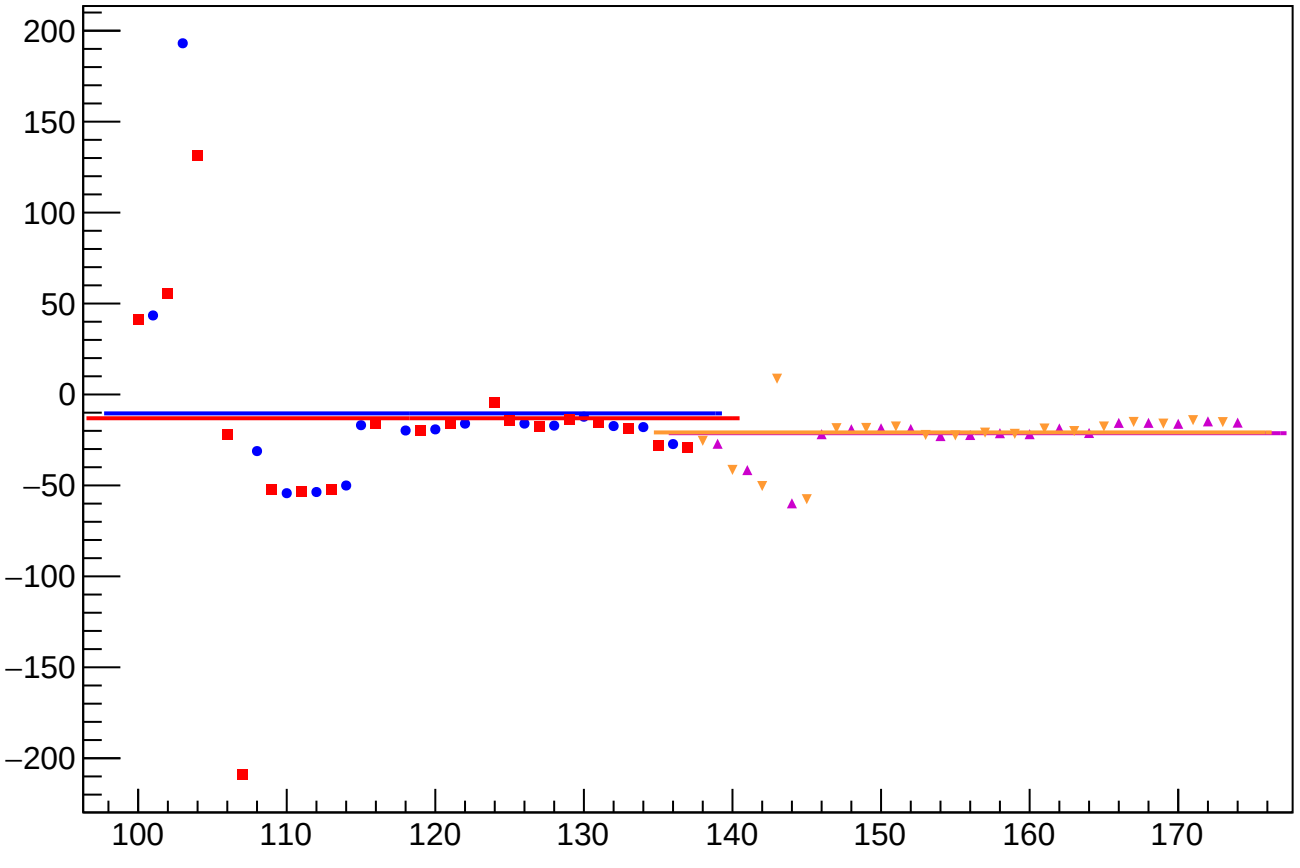
Left: -12.264+/-0.372 χ^2/NDF: 846.6/36

Right: -35.865+/-0.684 χ^2/NDF: 793.4/34

In: -17.814+/-0.462 χ^2/NDF:1392.2/33

Out: -17.494+/-0.463 χ^2/NDF:1166.9/37

All: -17.654+/-0.327 χ^2/NDF: 2559.4/71



Right In: -10.400+/-0.057 χ^2/NDF: 522334.6/15

Left Out: -20.863+/-0.024 χ^2/NDF:205488.7/18

Right Out: -13.074+/-0.063 χ^2/NDF: 449609.3/18

Left In: -21.290+/-0.023 χ^2/NDF:130812.9/17

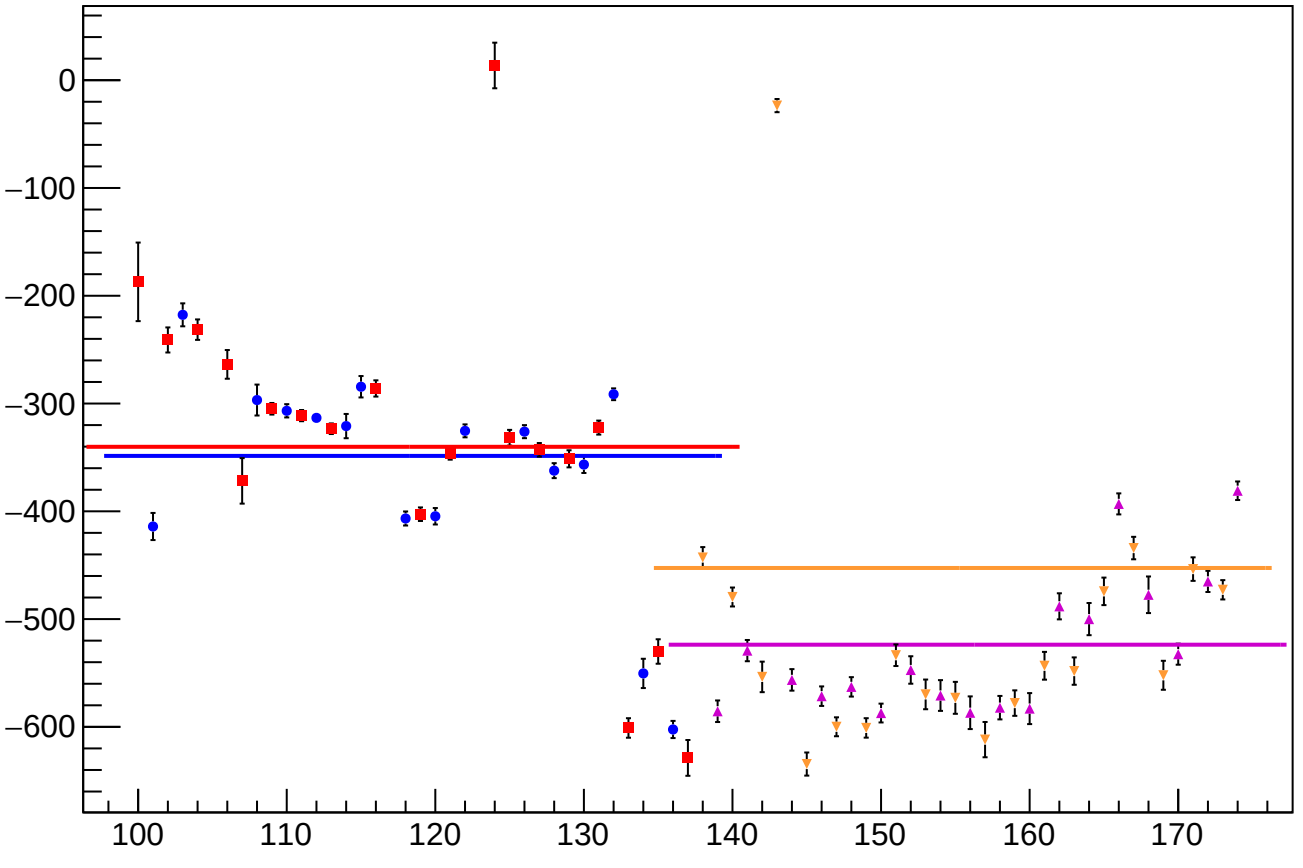
Left: -21.080+/-0.017 χ^2/NDF: 336466.2/36

Right: -11.607+/-0.042 χ^2/NDF: 972944.0/34

In: -19.719+/-0.022 χ^2/NDF:684579.6/33

Out: -19.890+/-0.022 χ^2/NDF:668638.7/37

All: -19.802+/-0.015 χ^2/NDF: 1353249.0/71



Right In: -348.586+/-1.825 χ^2/NDF: 1858.3/15

Left Out: -452.574+/-2.398 χ^2/NDF:6396.8/18

Right Out: -340.144+/-1.759 χ^2/NDF: 2197.1/18

Left In: -523.764+/-2.530 χ^2/NDF:735.6/17

Left: -486.262+/-1.740 χ^2/NDF: 7549.5/36

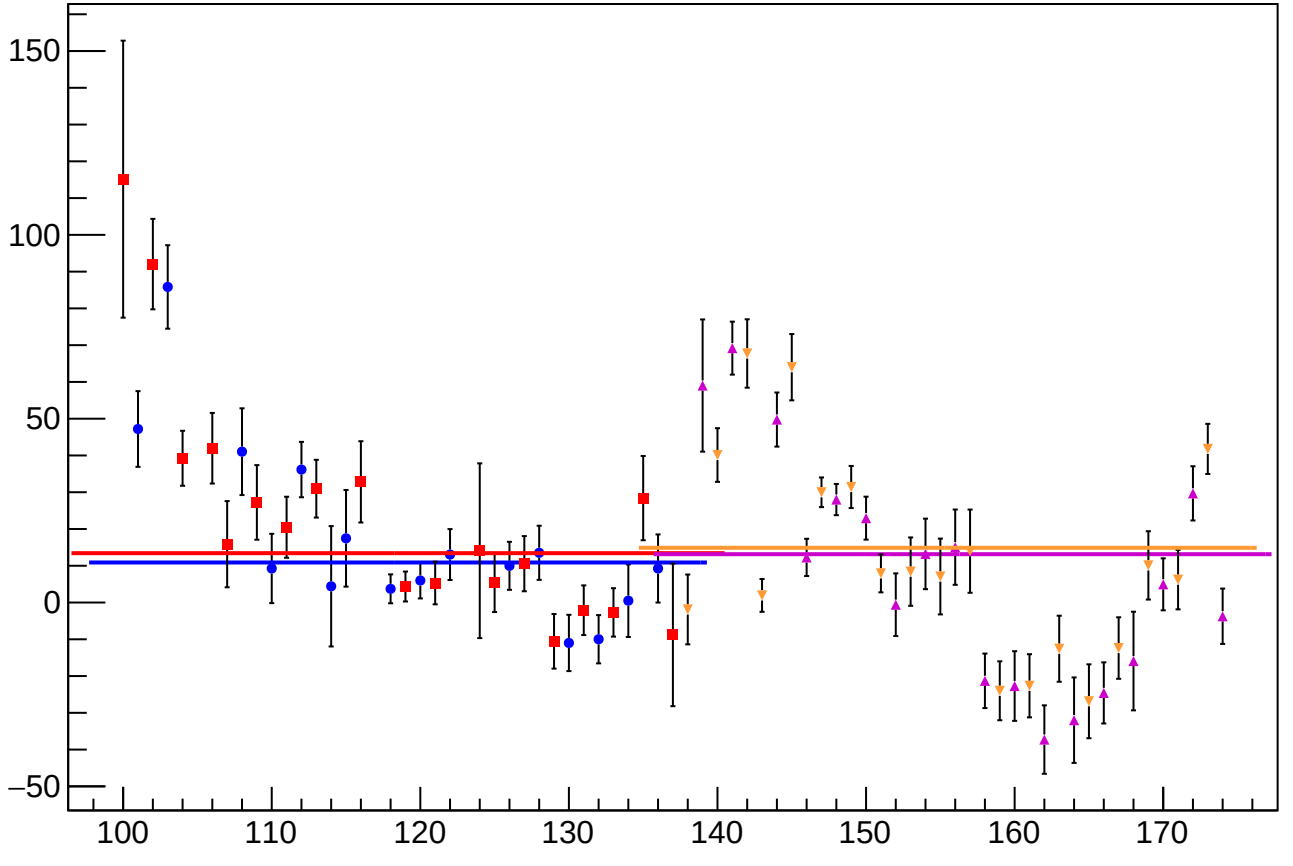
Right: -344.211+/-1.267 χ^2/NDF: 4066.5/34

In: -408.526+/-1.480 χ^2/NDF:5747.7/33

Out: -379.489+/-1.419 χ^2/NDF:10022.9/37

All: -393.393+/-1.024 χ^2/NDF: 15971.3/71

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.888+/-1.843 χ^2/NDF: 98.2/15

Left Out: 14.891+/-1.630 χ^2/NDF:207.5/18

Right Out: 13.427+/-1.854 χ^2/NDF: 112.4/18

Left In: 13.144+/-1.759 χ^2/NDF:226.6/17

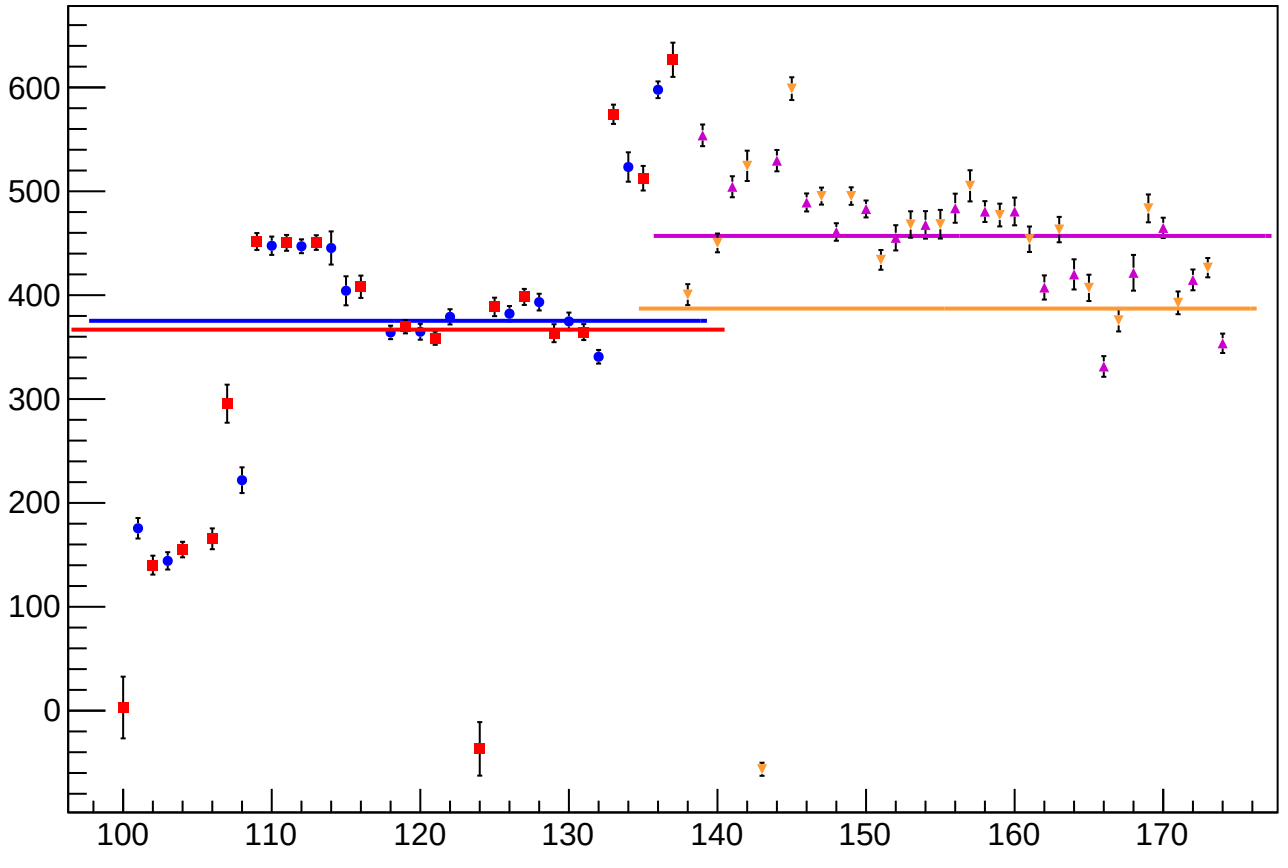
Left: 14.084+/-1.196 χ^2/NDF: 434.6/36

Right: 12.149+/-1.307 χ^2/NDF: 211.6/34

In: 12.068+/-1.272 χ^2/NDF:325.6/33

Out: 14.253+/-1.224 χ^2/NDF:320.3/37

All: 13.203+/-0.882 χ^2/NDF: 647.4/71



Right In: 375.321+/-2.103 χ^2/NDF: 2449.5/15

Left Out: 387.109+/-2.368 χ^2/NDF:6184.5/18

Right Out: 366.830+/-2.049 χ^2/NDF: 3541.1/18

Left In: 457.035+/-2.488 χ^2/NDF:524.7/17

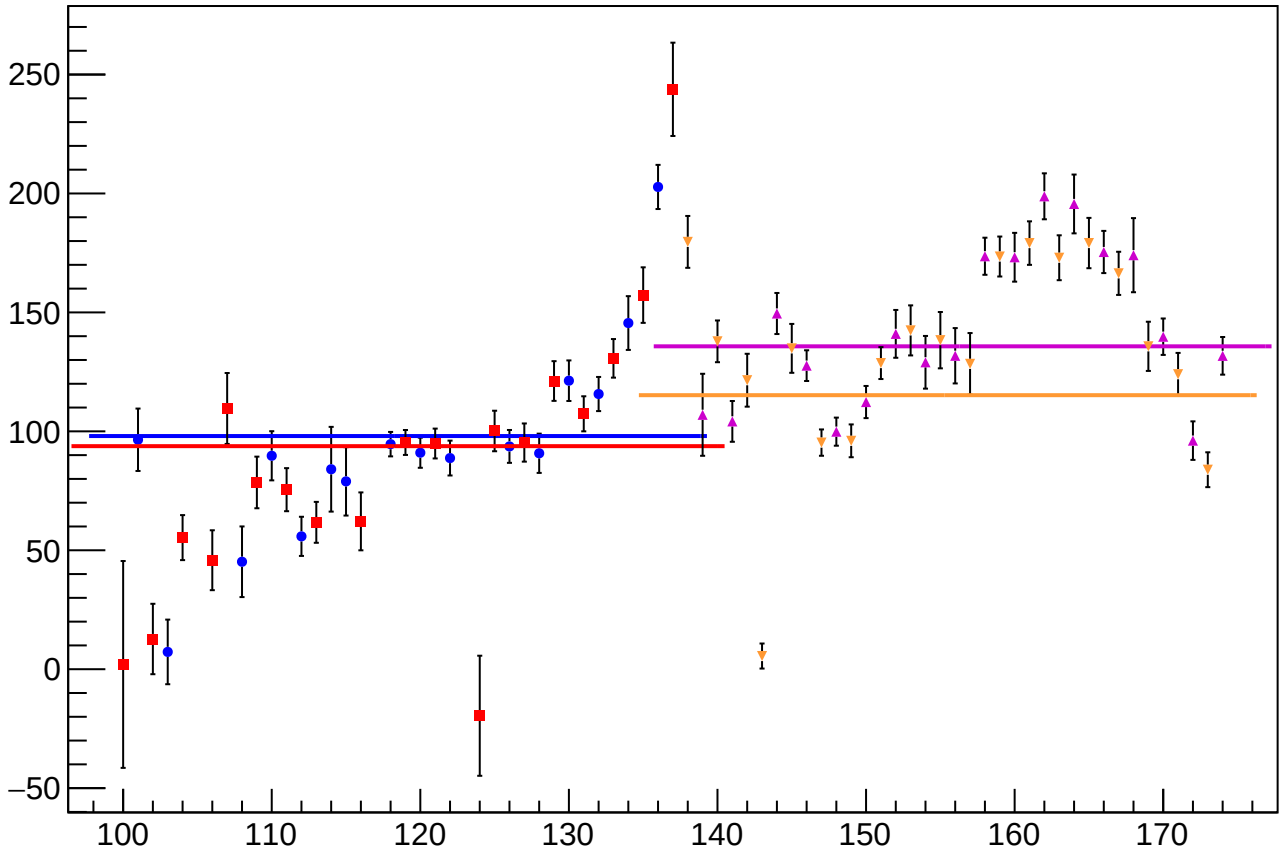
Left: 420.342+/-1.715 χ^2/NDF: 7123.6/36

Right: 370.966+/-1.468 χ^2/NDF: 5998.9/34

In: 409.363+/-1.606 χ^2/NDF:3603.3/33

Out: 375.514+/-1.550 χ^2/NDF:9767.5/37

All: 391.834+/-1.115 χ^2/NDF: 13600.8/71



Right In: 98.021+/-2.144 χ^2/NDF: 249.5/15

Left Out: 115.201+/-1.918 χ^2/NDF:742.2/18

Right Out: 93.771+/-2.138 χ^2/NDF: 237.1/18

Left In: 135.740+/-2.047 χ^2/NDF:223.6/17

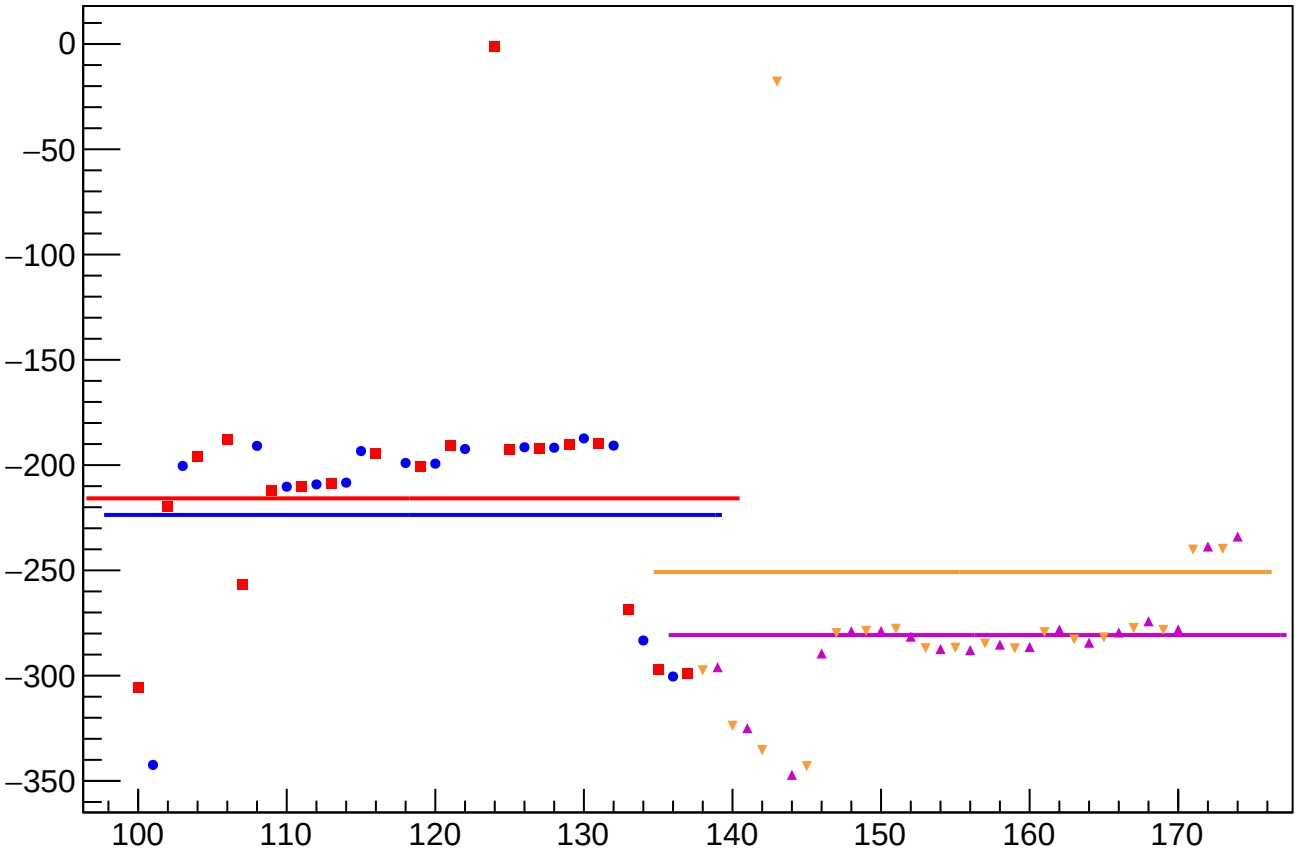
Left: 124.802+/-1.399 χ^2/NDF: 1019.4/36

Right: 95.890+/-1.514 χ^2/NDF: 488.6/34

In: 117.756+/-1.481 χ^2/NDF:635.0/33

Out: 105.649+/-1.428 χ^2/NDF:1035.0/37

All: 111.483+/-1.028 χ^2/NDF: 1704.7/71



Right In: -223.666+/-0.138 χ^2/NDF: 121528.3/15

Left Out: -250.766+/-0.091 χ^2/NDF:973652.0/18

Right Out: -215.797+/-0.134 χ^2/NDF: 81516.6/18

Left In: -280.718+/-0.093 χ^2/NDF:70903.3/17

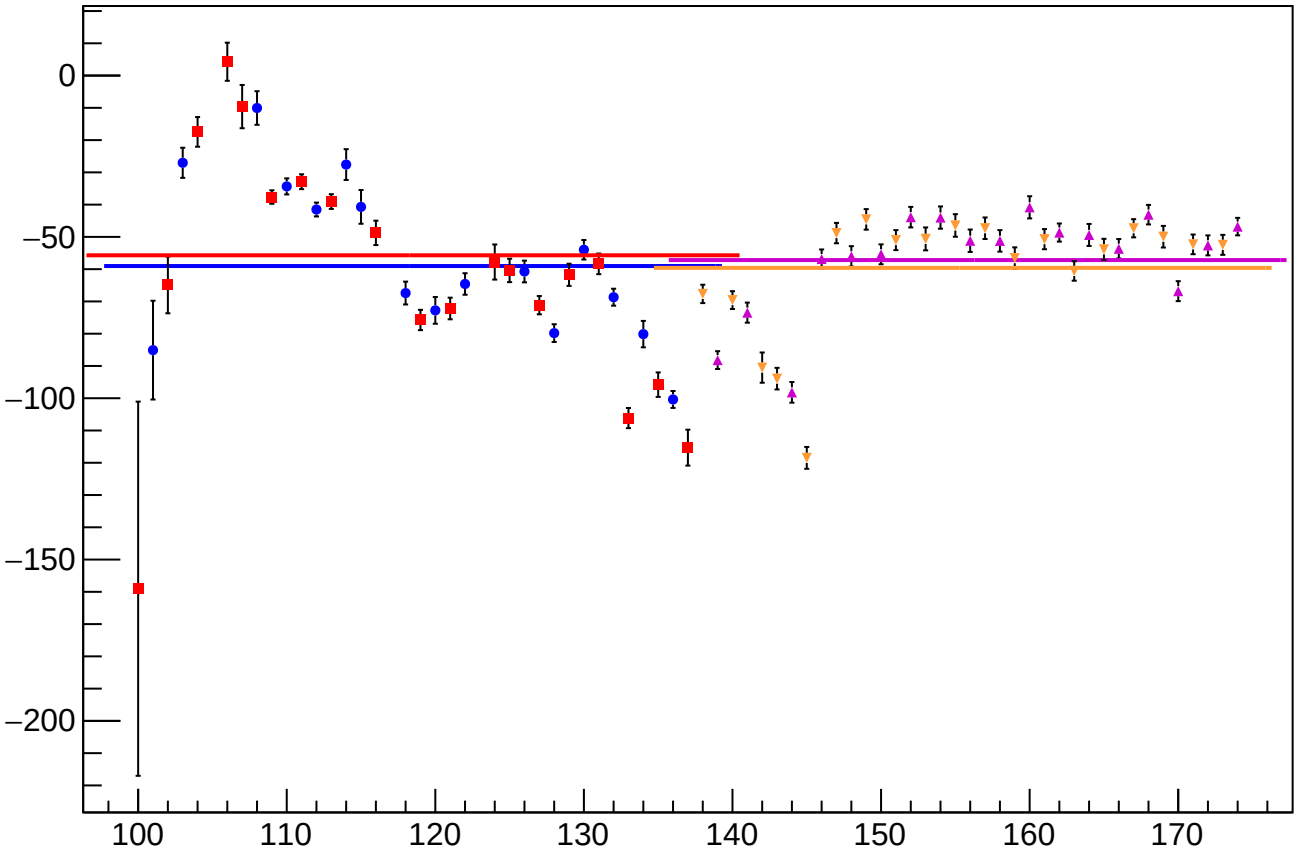
Left: -265.330+/-0.065 χ^2/NDF: 1097370.4/36

Right: -219.617+/-0.096 χ^2/NDF: 204711.3/34

In: -262.841+/-0.077 χ^2/NDF:309305.9/33

Out: -239.781+/-0.075 χ^2/NDF:1101670.0/37

All: -250.988+/-0.054 χ^2/NDF: 1456589.2/71



Right In: -59.030+/-0.829 χ^2/NDF: 727.3/15

Left Out: -59.599+/-0.735 χ^2/NDF:597.9/18

Right Out: -55.701+/-0.790 χ^2/NDF: 1041.1/18

Left In: -57.182+/-0.731 χ^2/NDF:442.3/17

Left: -58.385+/-0.518 χ^2/NDF: 1045.7/36

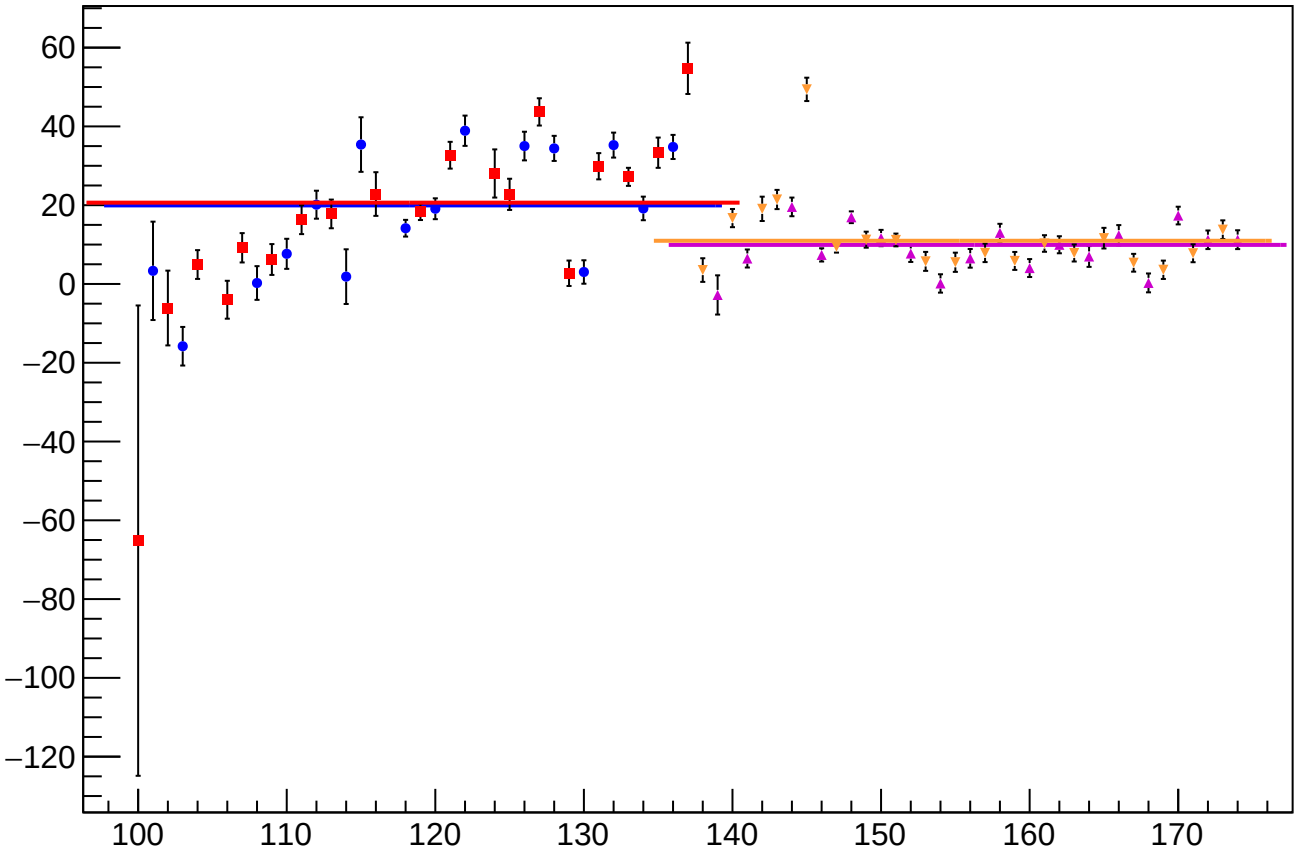
Right: -57.284+/-0.572 χ^2/NDF: 1776.9/34

In: -57.991+/-0.549 χ^2/NDF:1172.4/33

Out: -57.791+/-0.538 χ^2/NDF:1652.1/37

All: -57.889+/-0.384 χ^2/NDF: 2824.6/71

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.946+/-0.867 χ^2/NDF: 247.2/15

Left Out: 10.966+/-0.511 χ^2/NDF:245.1/18

Right Out: 20.643+/-0.844 χ^2/NDF: 224.8/18

Left In: 9.919+/-0.524 χ^2/NDF:109.7/17

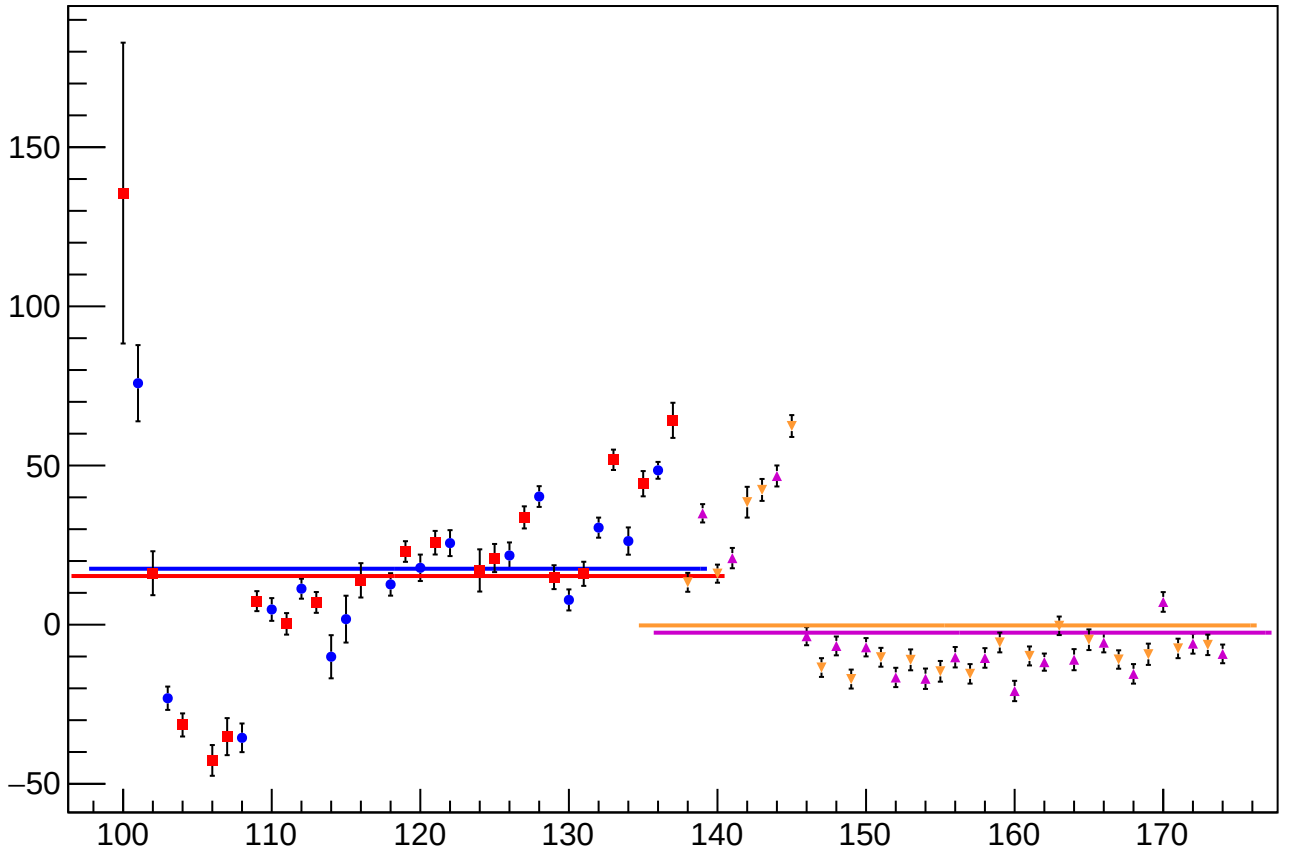
Left: 10.455+/-0.366 χ^2/NDF: 356.8/36

Right: 20.304+/-0.605 χ^2/NDF: 472.3/34

In: 12.597+/-0.448 χ^2/NDF:454.8/33

Out: 13.562+/-0.437 χ^2/NDF:566.1/37

All: 13.092+/-0.313 χ^2/NDF: 1023.3/71



Right In: 17.574+/-0.957 χ^2/NDF: 546.2/15

Left Out: -0.231+/-0.720 χ^2/NDF:767.3/18

Right Out: 15.283+/-0.934 χ^2/NDF: 730.0/18

Left In: -2.515+/-0.718 χ^2/NDF:591.4/17

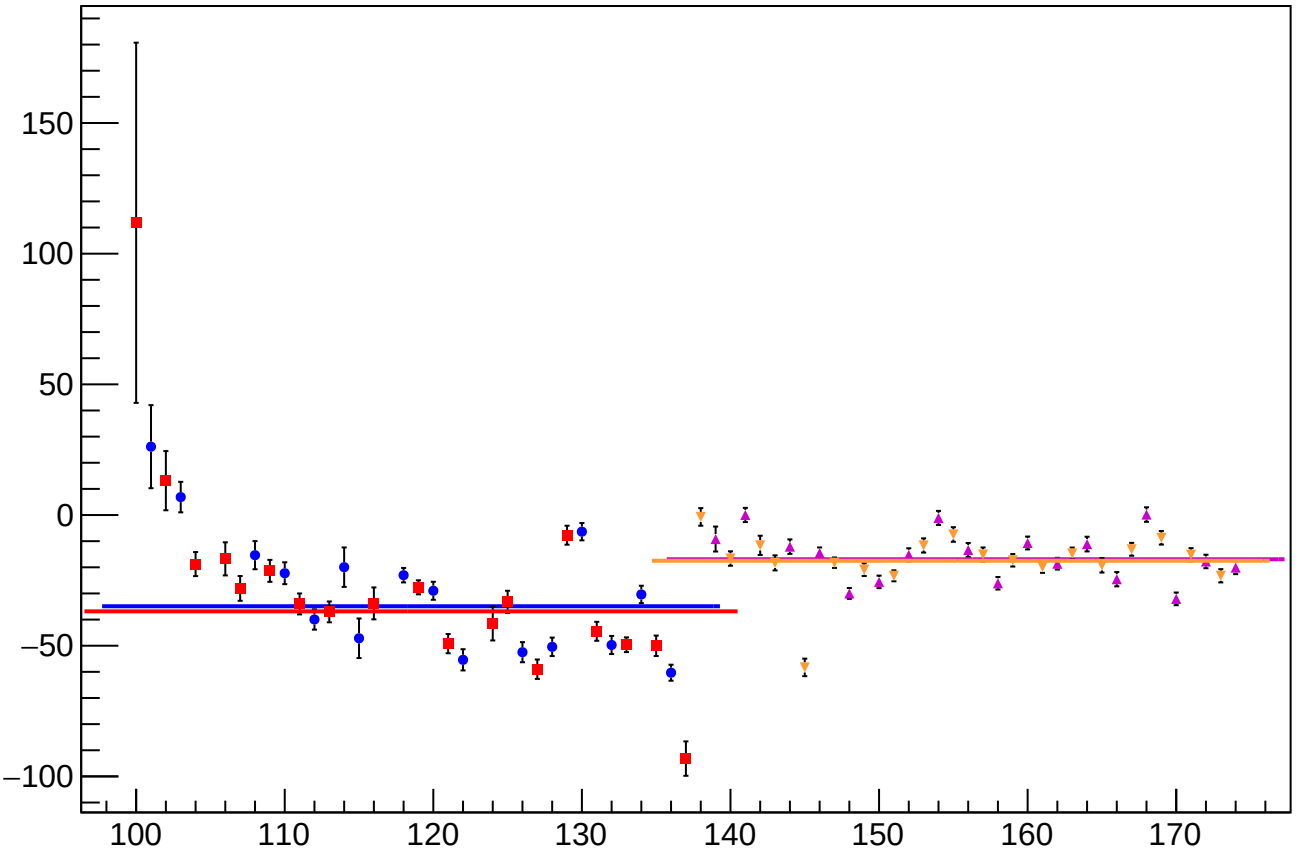
Left: -1.376+/-0.509 χ^2/NDF: 1363.7/36

Right: 16.401+/-0.668 χ^2/NDF: 1279.2/34

In: 4.727+/-0.574 χ^2/NDF:1419.6/33

Out: 5.555+/-0.570 χ^2/NDF:1670.4/37

All: 5.144+/-0.405 χ^2/NDF: 3091.0/71



Right In: -34.899+/-0.990 χ^2/NDF: 346.6/15

Left Out: -17.490+/-0.590 χ^2/NDF:226.9/18

Right Out: -36.853+/-0.970 χ^2/NDF: 301.4/18

Left In: -16.921+/-0.600 χ^2/NDF:247.6/17

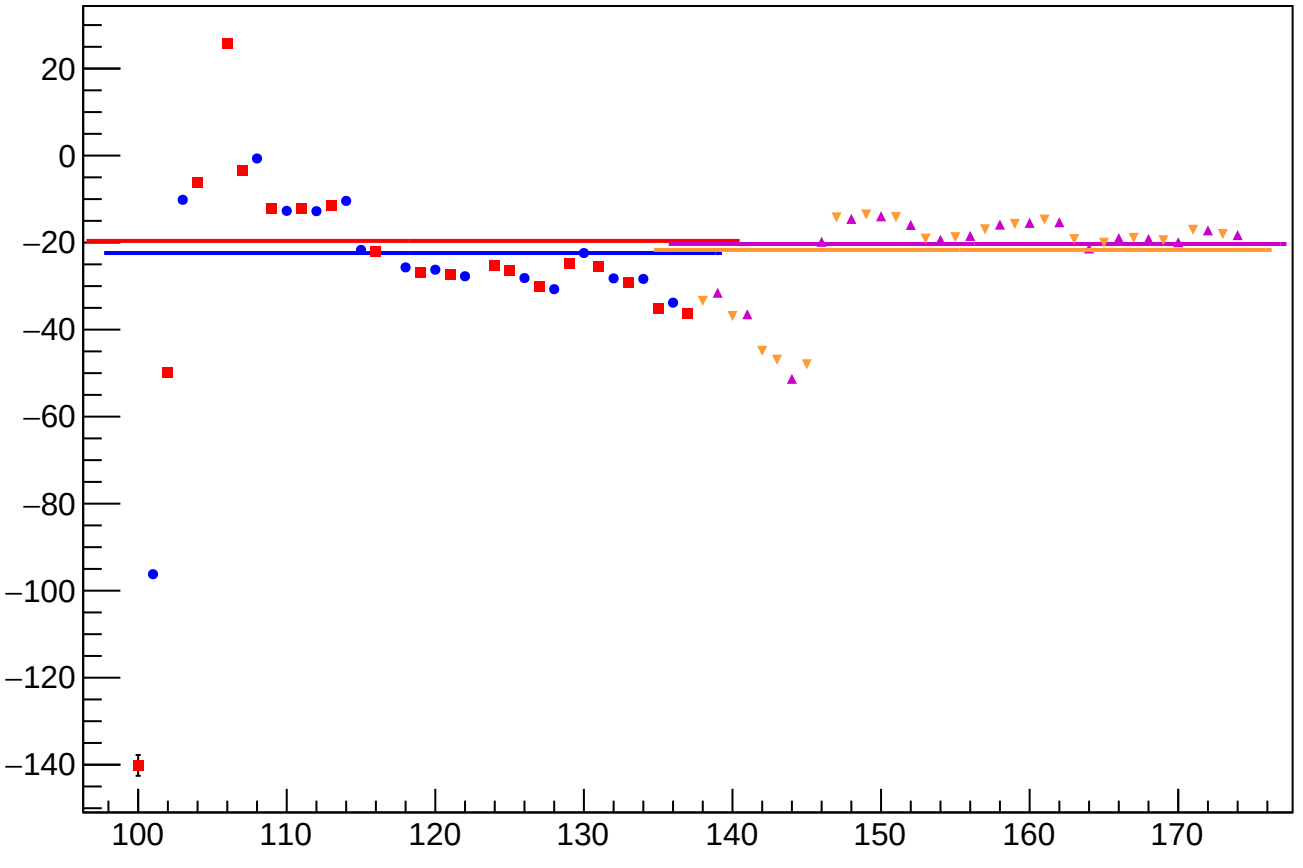
Left: -17.210+/-0.421 χ^2/NDF: 475.0/36

Right: -35.897+/-0.693 χ^2/NDF: 650.0/34

In: -21.752+/-0.513 χ^2/NDF:835.3/33

Out: -22.722+/-0.504 χ^2/NDF:819.4/37

All: -22.246+/-0.360 χ^2/NDF: 1656.5/71



Right In: -22.394+/-0.058 χ^2/NDF: 46519.7/15

Left Out: -21.682+/-0.027 χ^2/NDF:134888.7/18

Right Out: -19.605+/-0.059 χ^2/NDF: 83865.7/18

Left In: -20.313+/-0.026 χ^2/NDF:86326.0/17

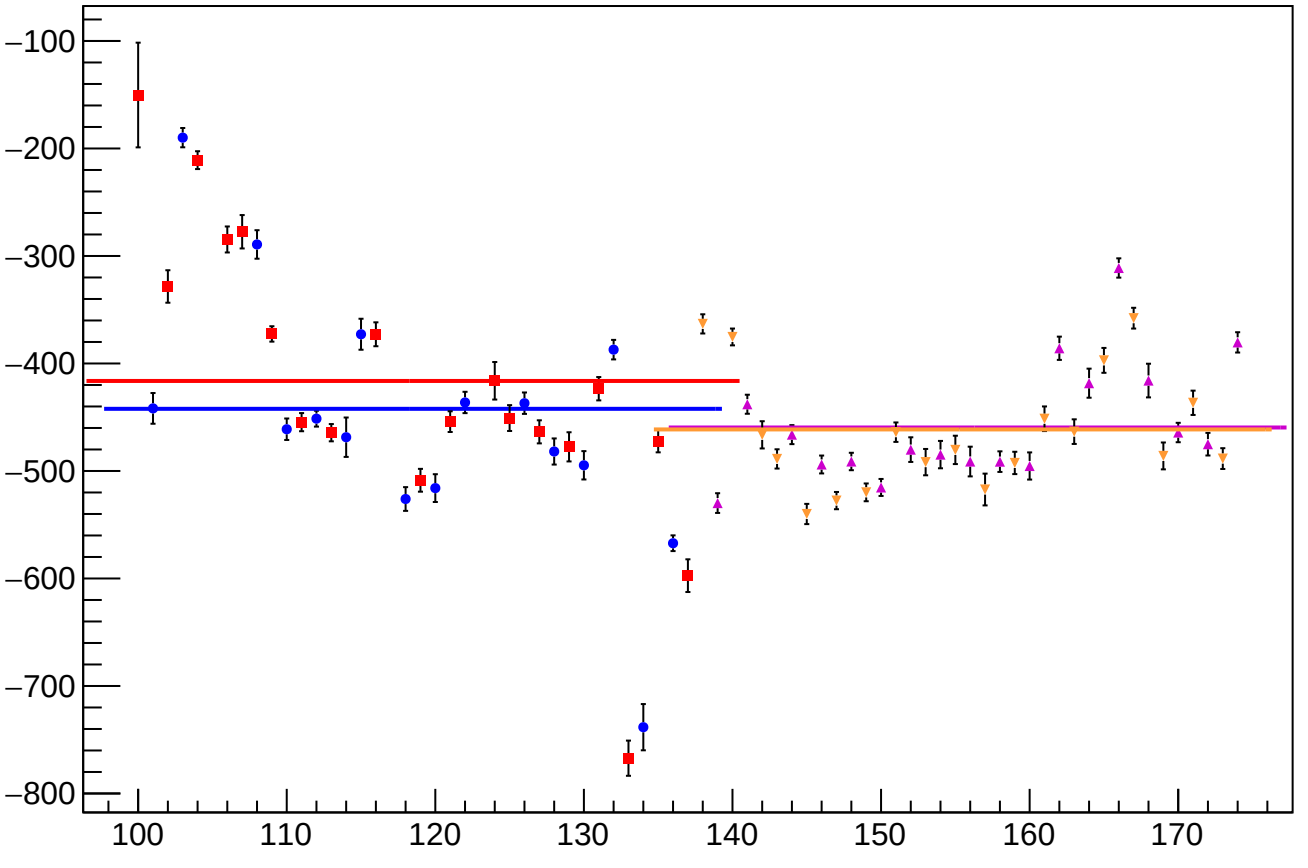
Left: -20.990+/-0.019 χ^2/NDF: 222537.5/36

Right: -21.027+/-0.042 χ^2/NDF: 131507.1/34

In: -20.669+/-0.024 χ^2/NDF:133902.2/33

Out: -21.332+/-0.024 χ^2/NDF:219768.9/37

All: -20.997+/-0.017 χ^2/NDF: 354045.3/71



Right In: -442.182+/-2.682 χ^2/NDF: 1589.1/15

Left Out: -461.352+/-2.320 χ^2/NDF:633.9/18

Right Out: -416.259+/-2.523 χ^2/NDF: 1753.8/18

Left In: -459.549+/-2.342 χ^2/NDF:588.2/17

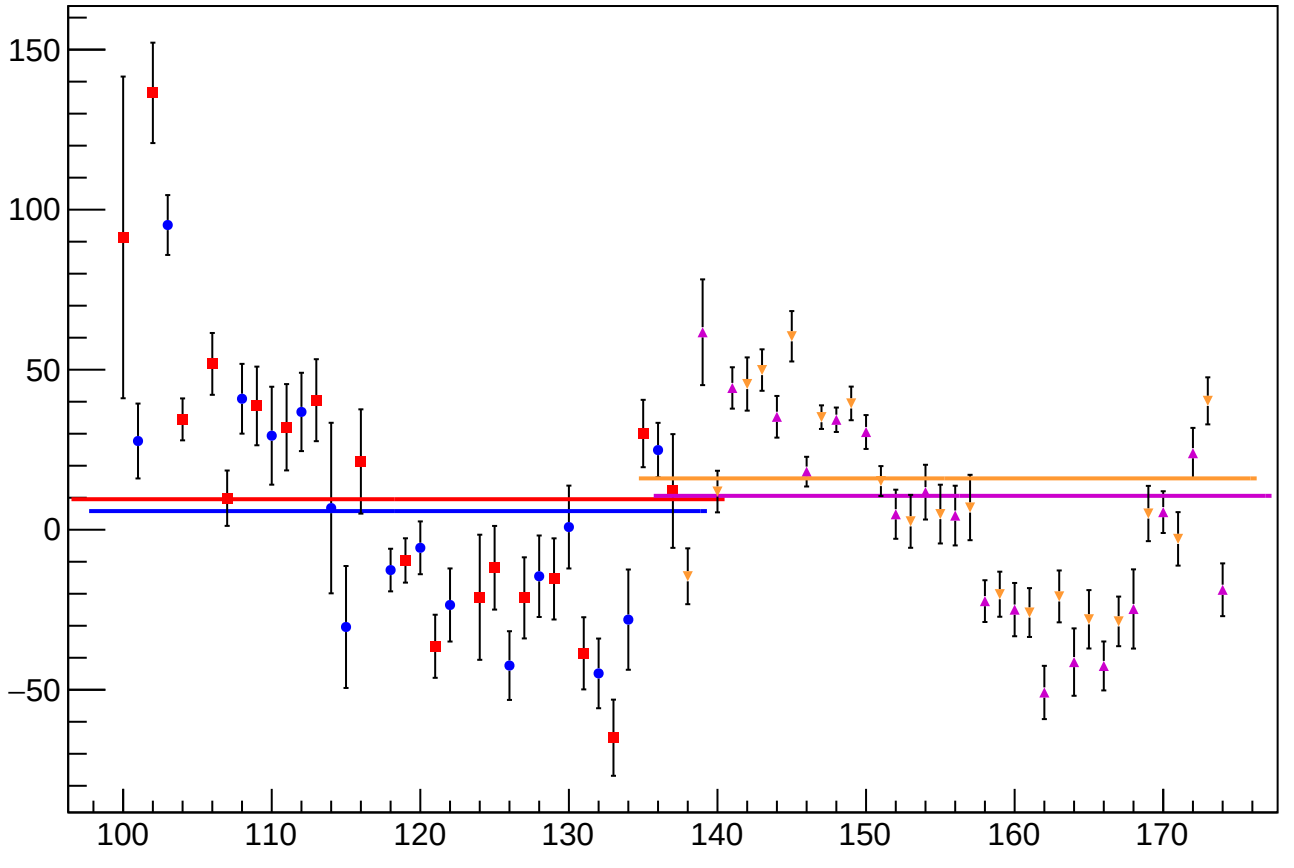
Left: -460.459+/-1.648 χ^2/NDF: 1222.4/36

Right: -428.429+/-1.837 χ^2/NDF: 3392.5/34

In: -452.035+/-1.764 χ^2/NDF:2201.1/33

Out: -440.691+/-1.707 χ^2/NDF:2560.8/37

All: -446.179+/-1.227 χ^2/NDF: 4783.3/71



Right In: 5.824+/-2.728 χ^2/NDF: 188.1/15

Left Out: 16.041+/-1.561 χ^2/NDF:287.5/18

Right Out: 9.536+/-2.556 χ^2/NDF: 222.2/18

Left In: 10.590+/-1.615 χ^2/NDF:302.8/17

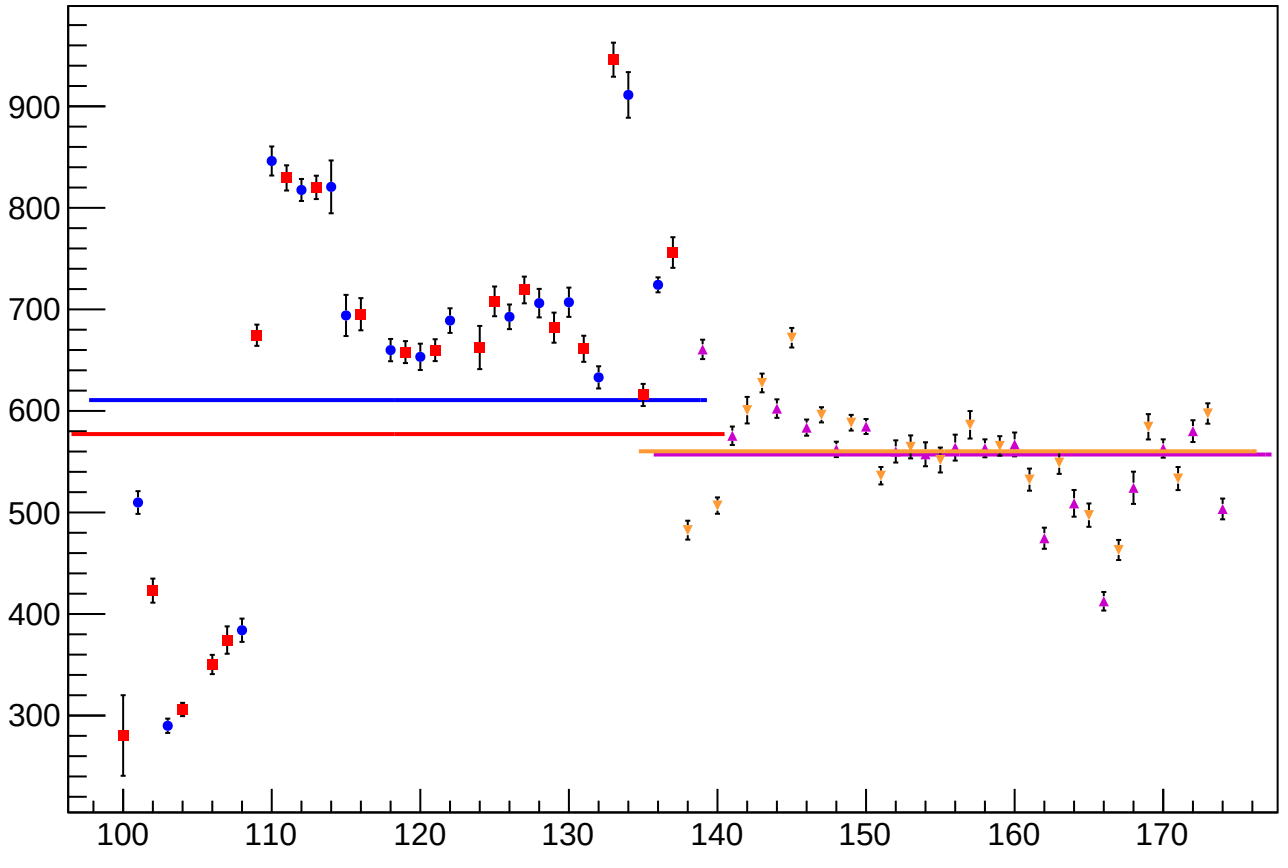
Left: 13.408+/-1.122 χ^2/NDF: 596.2/36

Right: 7.800+/-1.865 χ^2/NDF: 411.3/34

In: 9.353+/-1.390 χ^2/NDF:493.2/33

Out: 14.274+/-1.332 χ^2/NDF:514.4/37

All: 11.917+/-0.962 χ^2/NDF: 1014.1/71



Right In: 610.665+/-2.892 χ^2/NDF: 3892.6/15

Left Out: 560.237+/-2.278 χ^2/NDF:517.1/18

Right Out: 577.205+/-2.755 χ^2/NDF: 4800.3/18

Left In: 557.072+/-2.295 χ^2/NDF:535.5/17

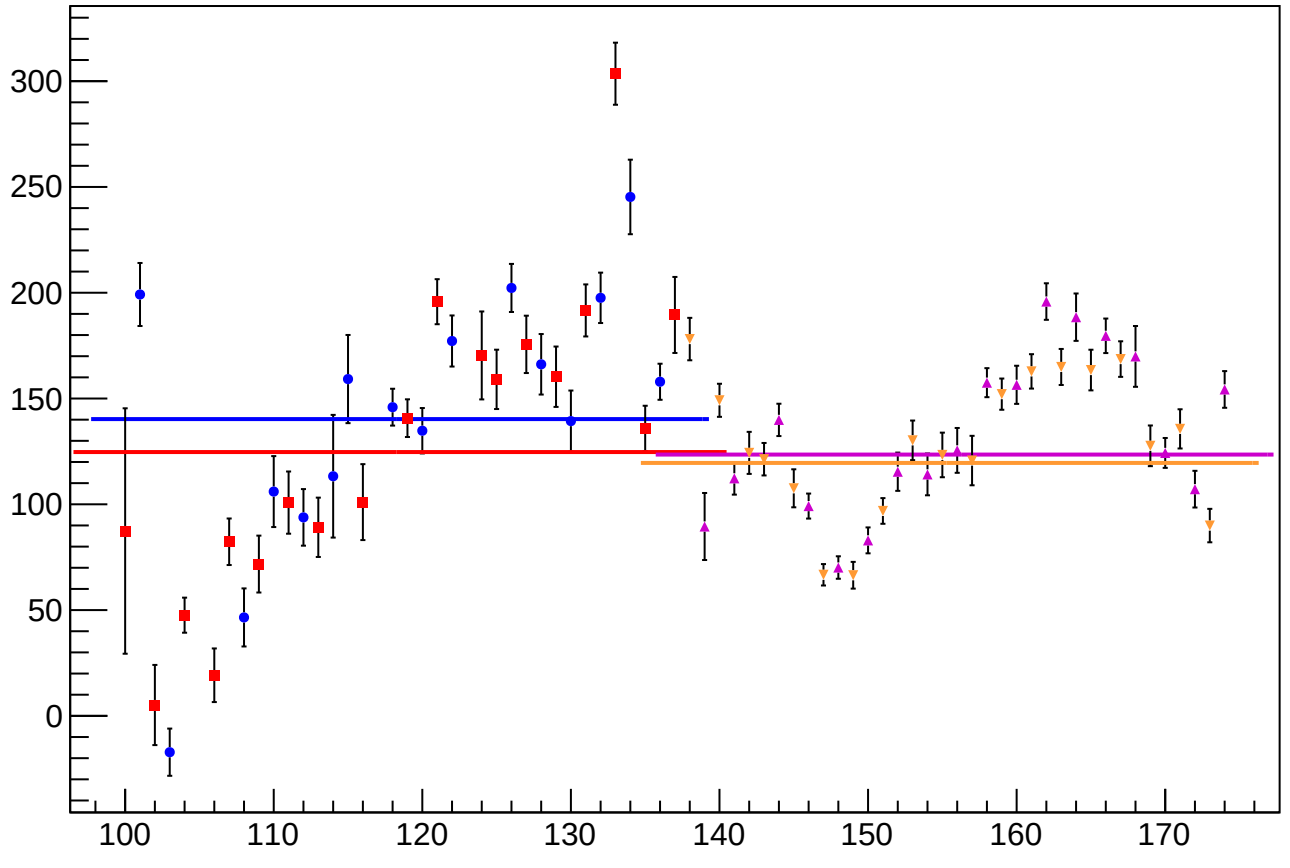
Left: 558.666+/-1.617 χ^2/NDF: 1053.5/36

Right: 593.122+/-1.995 χ^2/NDF: 8763.0/34

In: 577.775+/-1.798 χ^2/NDF:4638.8/33

Out: 567.126+/-1.755 χ^2/NDF:5339.9/37

All: 572.324+/-1.256 χ^2/NDF: 9996.6/71



Right In: 140.278+/-3.151 χ^2/NDF: 385.4/15

Left Out: 119.557+/-1.840 χ^2/NDF:394.4/18

Right Out: 124.697+/-2.979 χ^2/NDF: 508.5/18

Left In: 123.508+/-1.885 χ^2/NDF:390.5/17

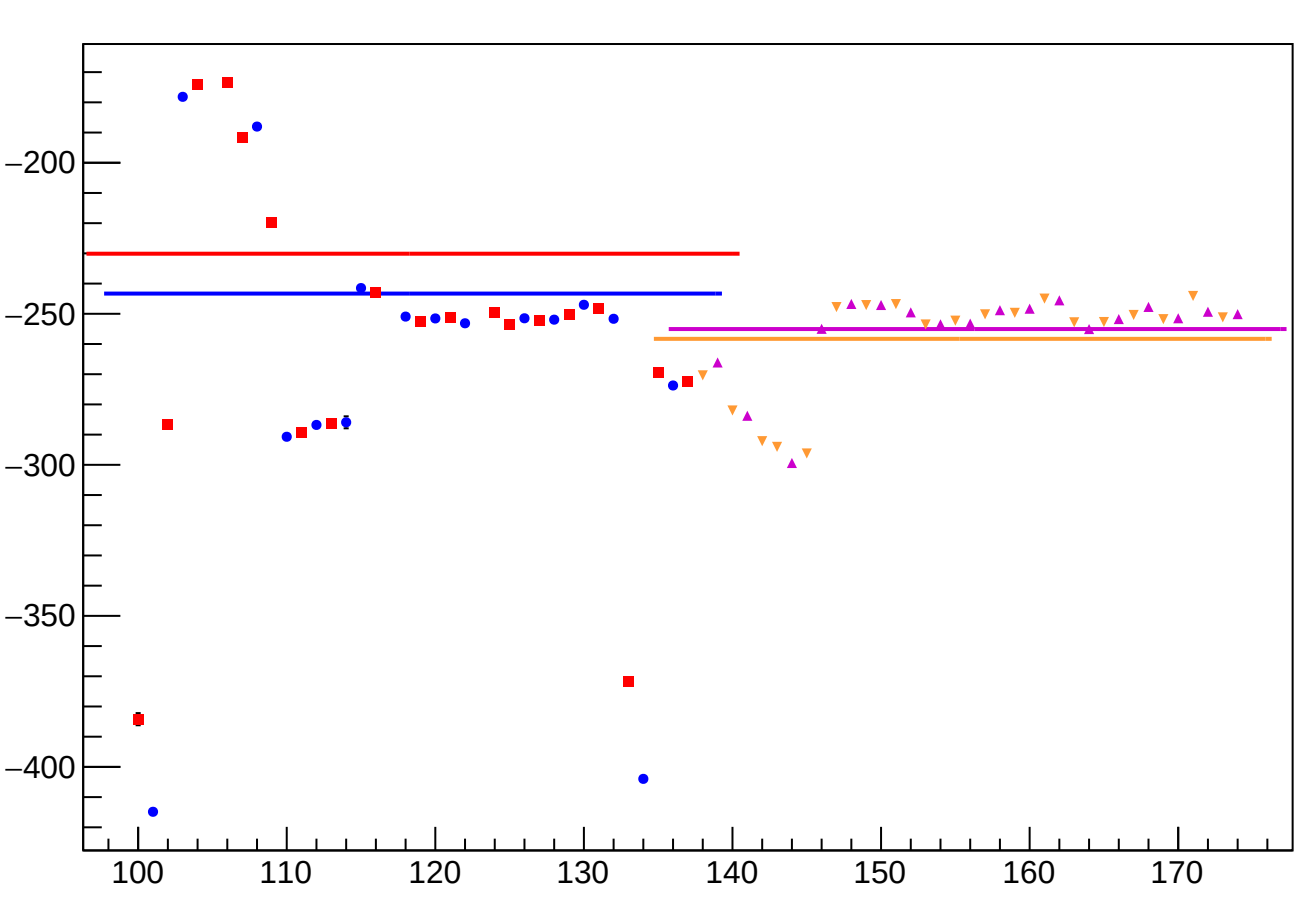
Left: 121.485+/-1.316 χ^2/NDF: 787.2/36

Right: 132.049+/-2.165 χ^2/NDF: 906.8/34

In: 127.926+/-1.617 χ^2/NDF:796.8/33

Out: 120.976+/-1.565 χ^2/NDF:905.1/37

All: 124.337+/-1.125 χ^2/NDF: 1711.4/71



Right In: -243.308+/-0.163 χ^2/NDF: 173487.9/15

Left Out: -258.293+/-0.087 χ^2/NDF:36654.8/18

Right Out: -230.109+/-0.157 χ^2/NDF: 102451.2/18

Left In: -255.049+/-0.086 χ^2/NDF:22638.5/17

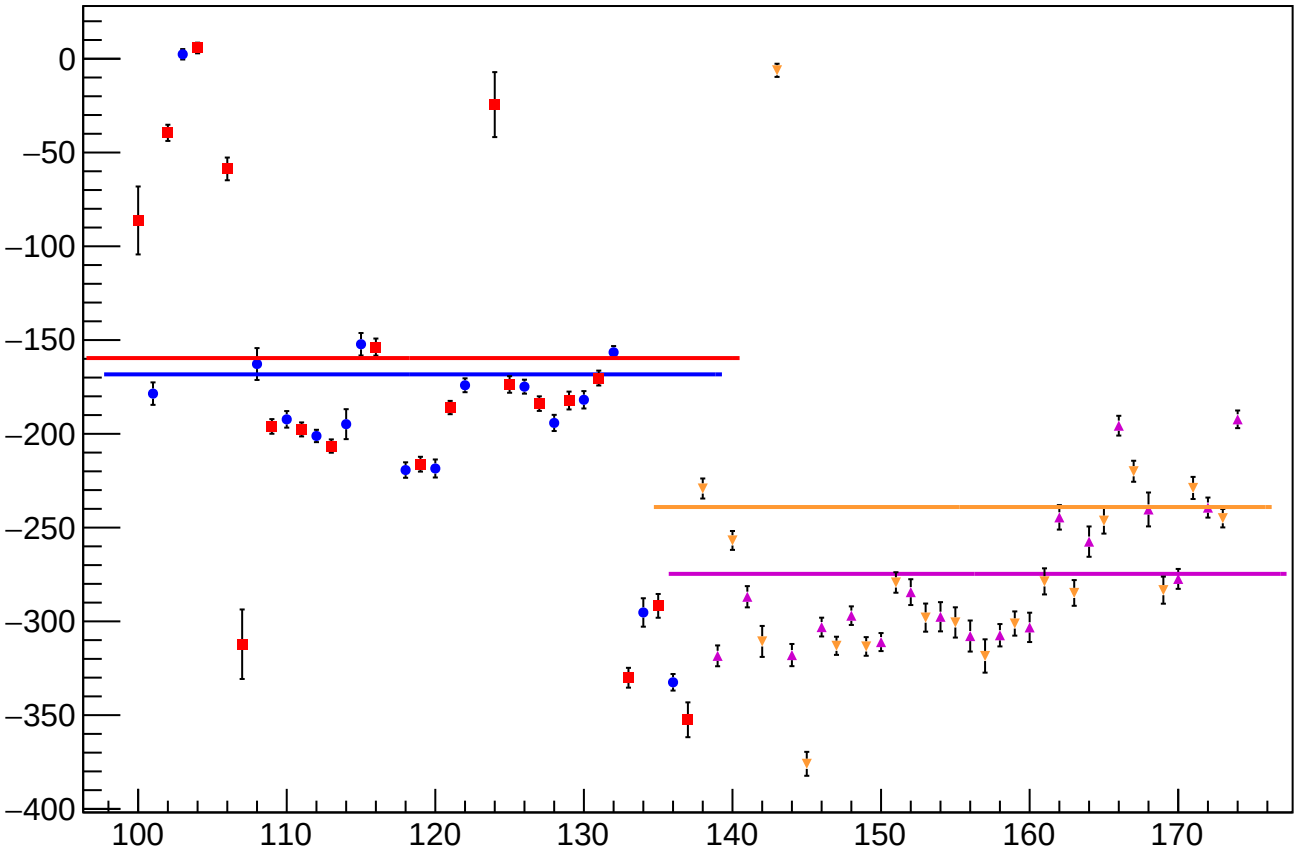
Left: -256.658+/-0.061 χ^2/NDF: 59992.3/36

Right: -236.496+/-0.113 χ^2/NDF: 279343.3/34

In: -252.459+/-0.076 χ^2/NDF:200194.7/33

Out: -251.682+/-0.076 χ^2/NDF:163657.3/37

All: -252.070+/-0.054 χ^2/NDF: 363904.0/71



Right In: -168.291+/-1.076 χ^2/NDF: 5907.6/15

Left Out: -239.029+/-1.330 χ^2/NDF:5889.3/18

Right Out: -159.602+/-1.042 χ^2/NDF: 7197.9/18

Left In: -274.667+/-1.393 χ^2/NDF:915.4/17

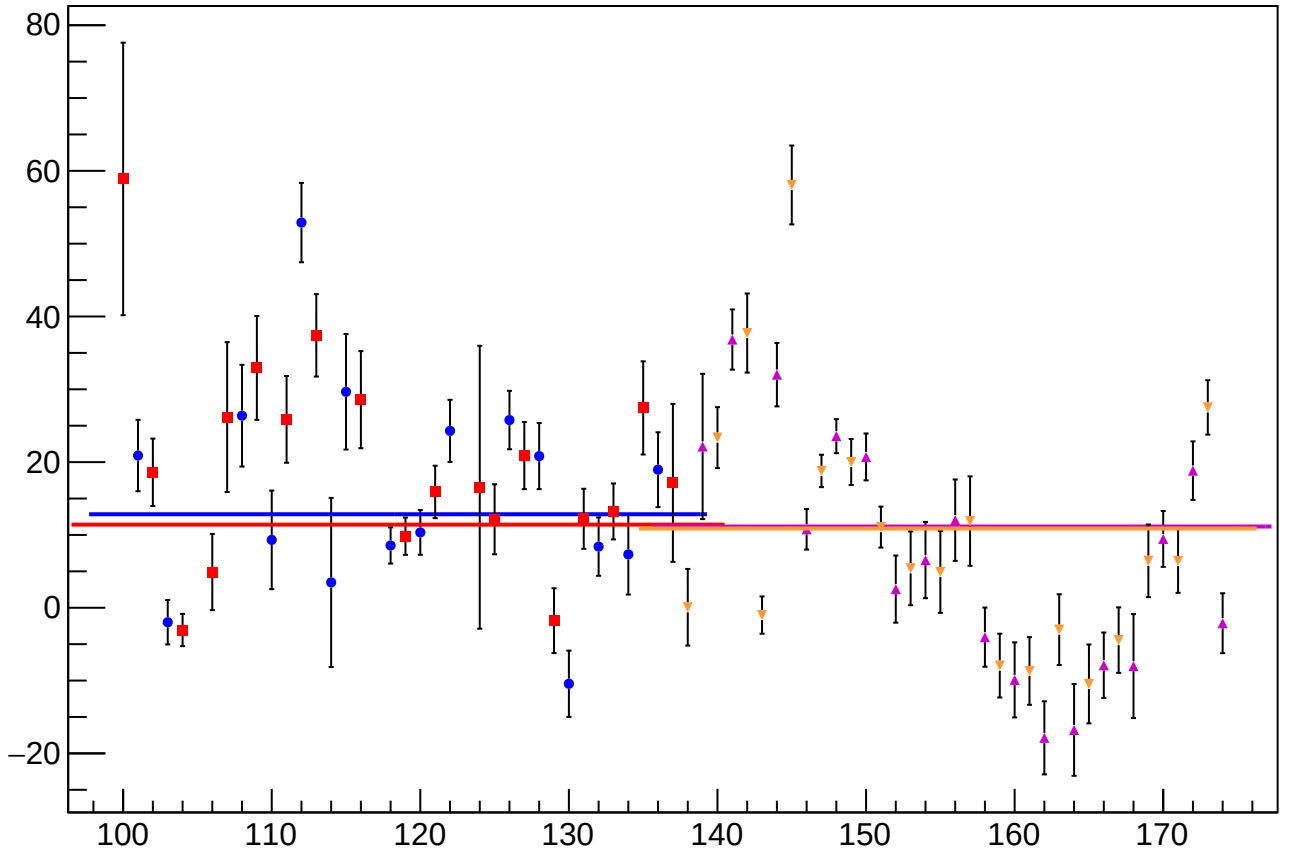
Left: -256.022+/-0.962 χ^2/NDF: 7147.0/36

Right: -163.809+/-0.749 χ^2/NDF: 13139.1/34

In: -208.027+/-0.851 χ^2/NDF:10475.5/33

Out: -189.824+/-0.820 χ^2/NDF:15296.7/37

All: -198.588+/-0.591 χ^2/NDF: 26009.2/71



Right In: 12.842+/-1.076 χ^2/NDF: 143.7/15

Left Out: 10.881+/-0.902 χ^2/NDF:251.4/18

Right Out: 11.414+/-1.035 χ^2/NDF: 119.6/18

Left In: 11.156+/-0.968 χ^2/NDF:227.3/17

Left: 11.009+/-0.660 χ^2/NDF: 478.7/36

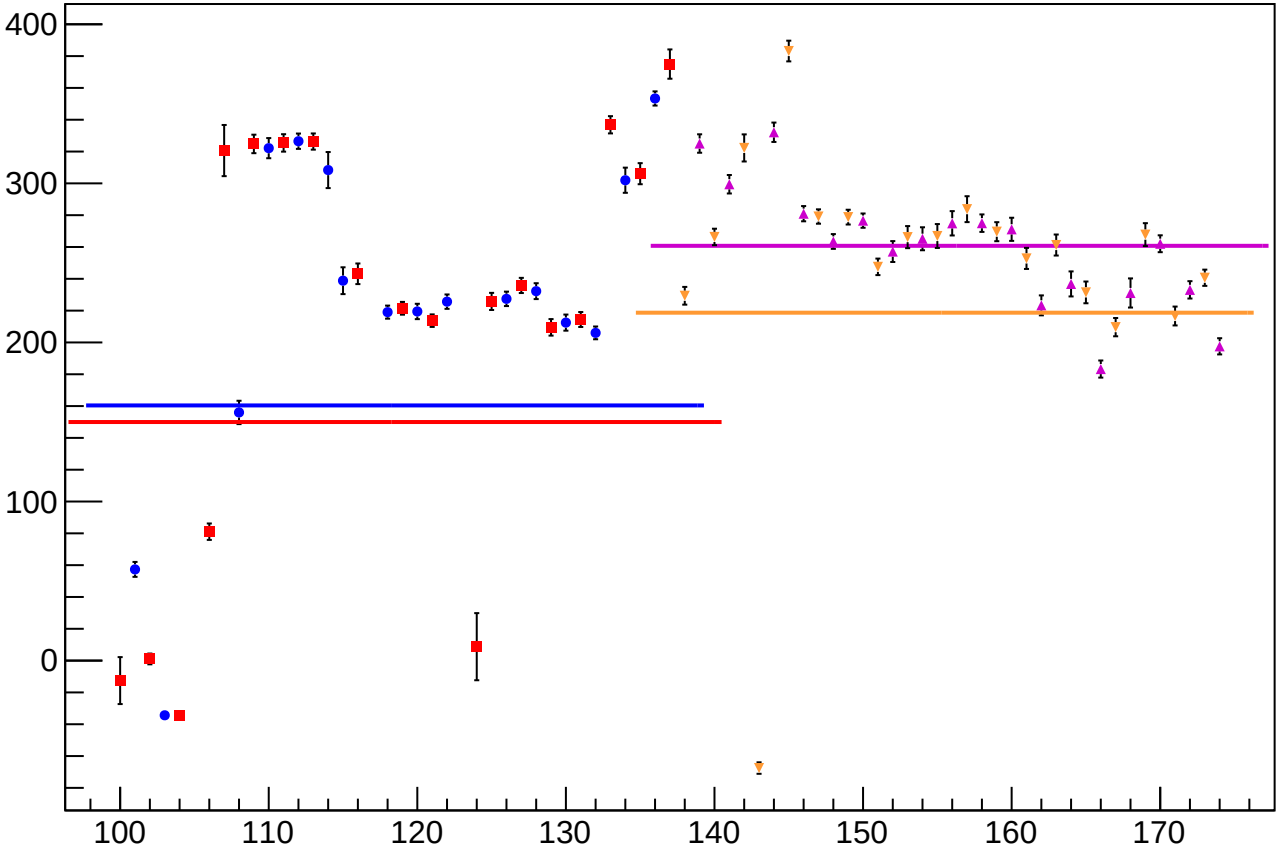
Right: 12.100+/-0.746 χ^2/NDF: 264.2/34

In: 11.910+/-0.720 χ^2/NDF:372.3/33

Out: 11.111+/-0.680 χ^2/NDF:371.1/37

All: 11.488+/-0.494 χ^2/NDF: 744.1/71

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 160.407+/-1.139 χ^2/NDF: 13949.8/15

Left Out: 218.705+/-1.312 χ^2/NDF:7903.0/18

Right Out: 149.974+/-1.107 χ^2/NDF: 16265.2/18

Left In: 260.740+/-1.369 χ^2/NDF:790.9/17

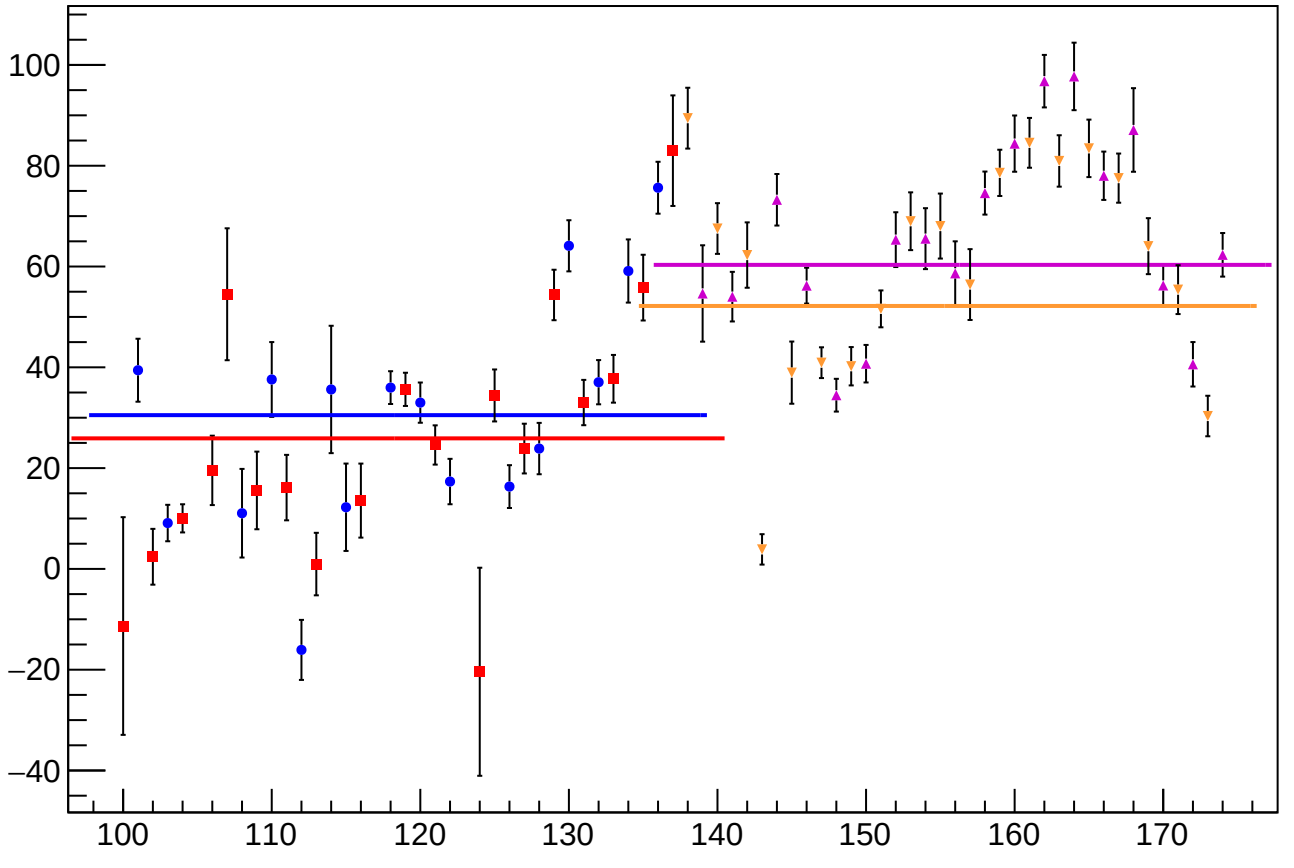
Left: 238.820+/-0.947 χ^2/NDF: 9185.3/36

Right: 155.041+/-0.794 χ^2/NDF: 30258.1/34

In: 201.435+/-0.876 χ^2/NDF:17913.8/33

Out: 178.555+/-0.846 χ^2/NDF:25771.9/37

All: 189.600+/-0.608 χ^2/NDF: 44038.9/71



Right In: 30.510+/-1.255 χ^2/NDF: 276.9/15

Left Out: 52.175+/-1.061 χ^2/NDF:548.7/18

Right Out: 25.903+/-1.213 χ^2/NDF: 187.8/18

Left In: 60.327+/-1.126 χ^2/NDF:257.5/17

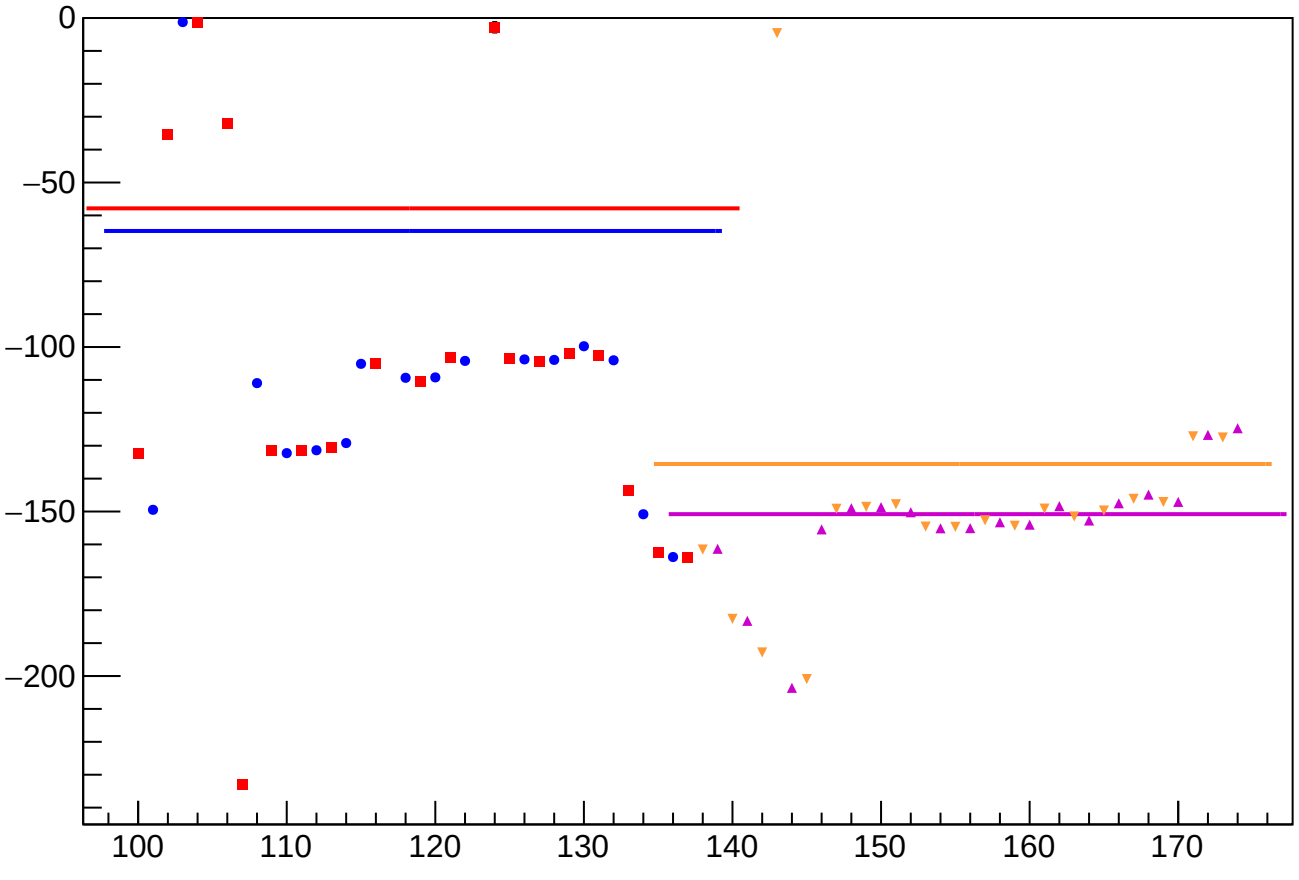
Left: 56.009+/-0.772 χ^2/NDF: 834.0/36

Right: 28.129+/-0.872 χ^2/NDF: 471.7/34

In: 47.029+/-0.838 χ^2/NDF:847.4/33

Out: 40.794+/-0.798 χ^2/NDF:1002.3/37

All: 43.761+/-0.578 χ^2/NDF: 1878.7/71



Right In: -64.726+/-0.064 χ^2/NDF: 1044441.7/15

Left Out: -135.558+/-0.050 χ^2/NDF:966384.4/18

Right Out: -57.855+/-0.062 χ^2/NDF: 875795.9/18

Left In: -150.796+/-0.051 χ^2/NDF:99206.7/17

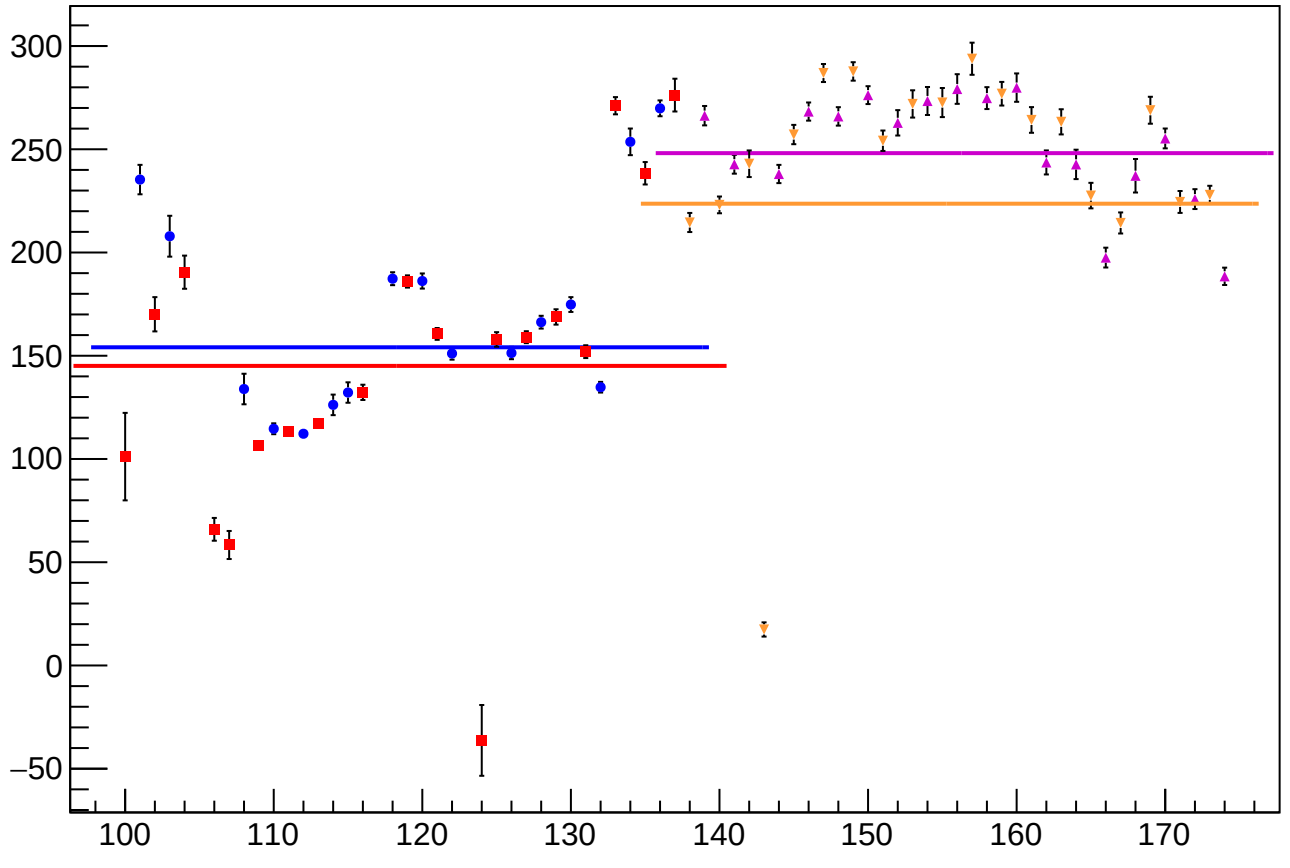
Left: -143.010+/-0.036 χ^2/NDF: 1110704.8/36

Right: -61.201+/-0.045 χ^2/NDF: 1926190.0/34

In: -117.007+/-0.040 χ^2/NDF:2249429.4/33

Out: -104.899+/-0.039 χ^2/NDF:2788570.9/37

All: -110.811+/-0.028 χ^2/NDF: 5084970.0/71



Right In: 154.096+/-0.869 χ^2/NDF: 2281.1/15

Left Out: 223.636+/-1.176 χ^2/NDF:4509.0/18

Right Out: 145.083+/-0.826 χ^2/NDF: 2958.4/18

Left In: 248.123+/-1.217 χ^2/NDF:524.9/17

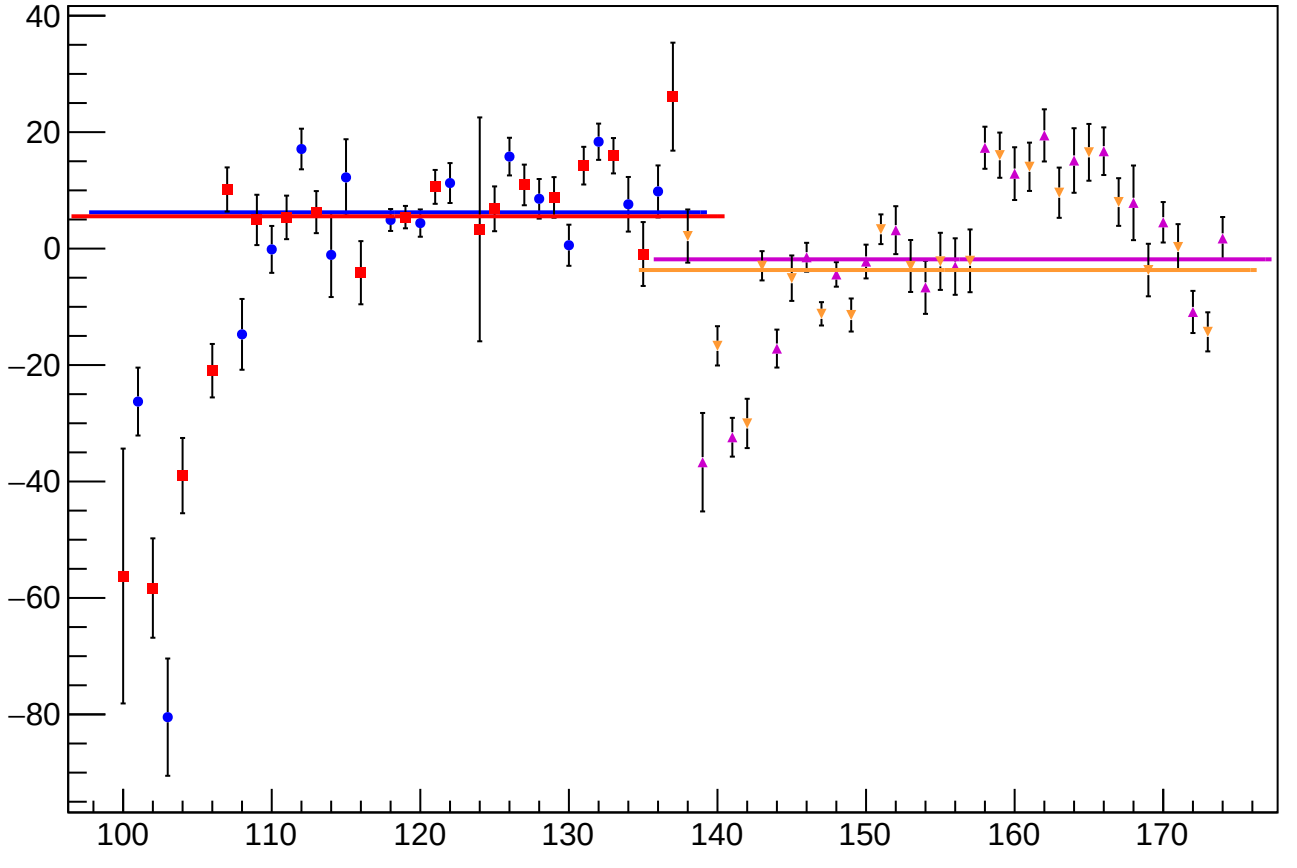
Left: 235.462+/-0.846 χ^2/NDF: 5243.3/36

Right: 149.361+/-0.599 χ^2/NDF: 5296.0/34

In: 185.863+/-0.707 χ^2/NDF:6760.3/33

Out: 171.035+/-0.676 χ^2/NDF:10455.2/37

All: 178.114+/-0.489 χ^2/NDF: 17445.1/71



Right In: 6.229+/-0.890 χ^2/NDF: 162.1/15

Left Out: -3.680+/-0.803 χ^2/NDF:174.6/18

Right Out: 5.548+/-0.889 χ^2/NDF: 181.1/18

Left In: -1.843+/-0.851 χ^2/NDF:231.6/17

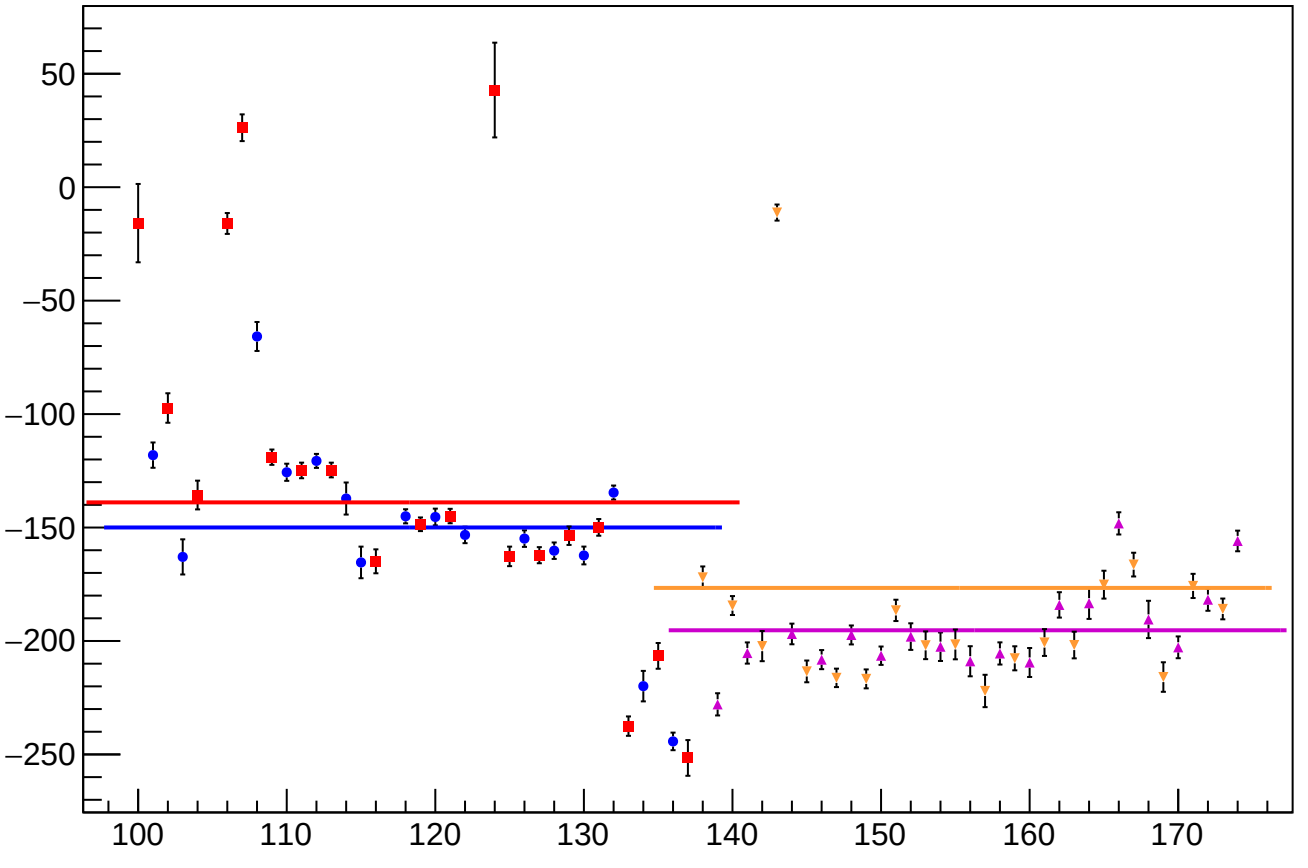
Left: -2.815+/-0.584 χ^2/NDF: 408.6/36

Right: 5.888+/-0.629 χ^2/NDF: 343.5/34

In: 2.012+/-0.615 χ^2/NDF:436.6/33

Out: 0.464+/-0.596 χ^2/NDF:415.0/37

All: 1.214+/-0.428 χ^2/NDF: 854.8/71



Right In: -149.970+/-1.026 χ^2/NDF: 1099.5/15

Left Out: -176.608+/-1.161 χ^2/NDF:2635.3/18

Right Out: -138.912+/-0.993 χ^2/NDF: 2750.9/18

Left In: -195.282+/-1.198 χ^2/NDF:266.6/17

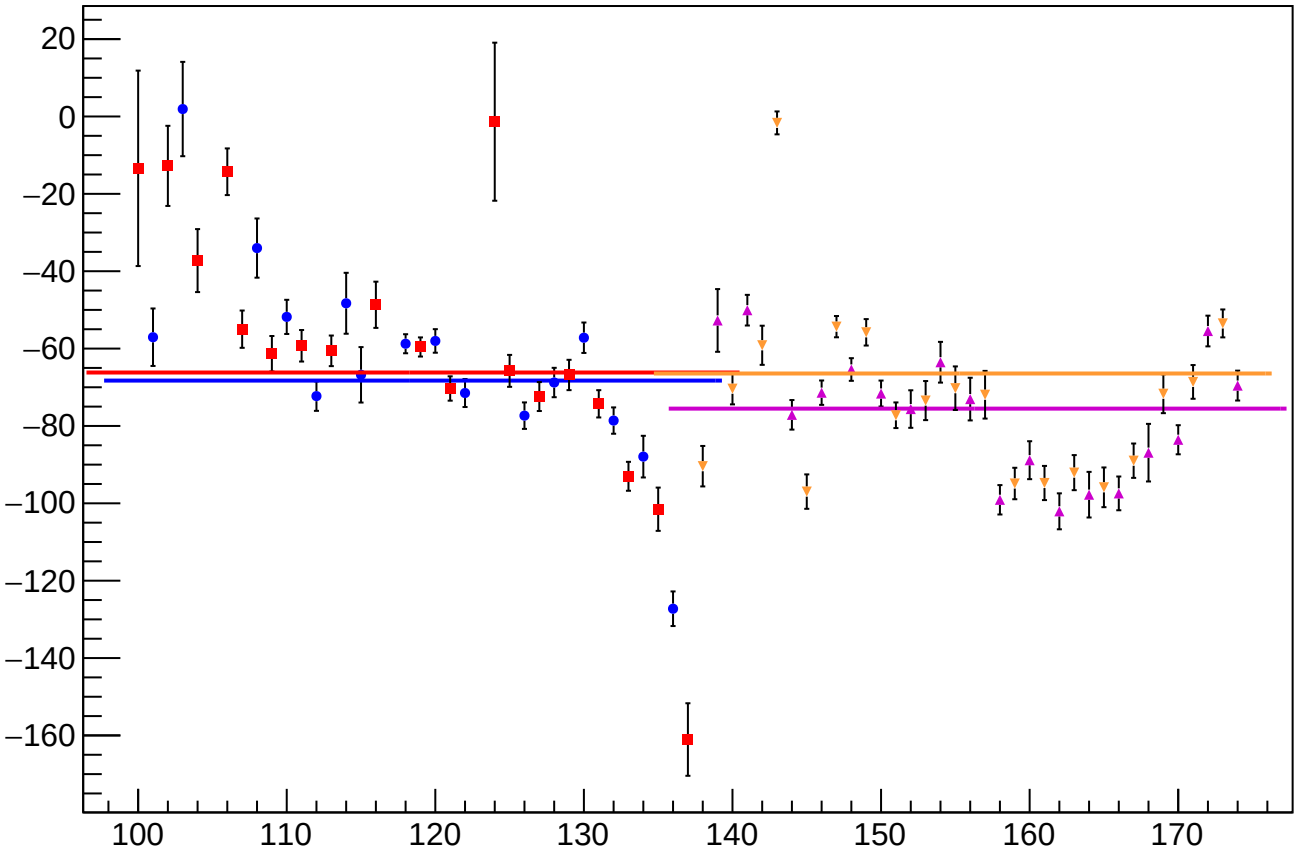
Left: -185.652+/-0.834 χ^2/NDF: 3027.2/36

Right: -144.265+/-0.714 χ^2/NDF: 3910.3/34

In: -169.135+/-0.779 χ^2/NDF:2191.6/33

Out: -154.845+/-0.755 χ^2/NDF:5994.7/37

All: -161.764+/-0.542 χ^2/NDF: 8359.8/71



Right In: -68.272+/-1.033 χ^2/NDF: 315.4/15

Left Out: -66.440+/-0.943 χ^2/NDF:787.1/18

Right Out: -66.186+/-1.024 χ^2/NDF: 358.3/18

Left In: -75.521+/-0.989 χ^2/NDF:222.5/17

Left: -70.765+/-0.682 χ^2/NDF: 1053.7/36

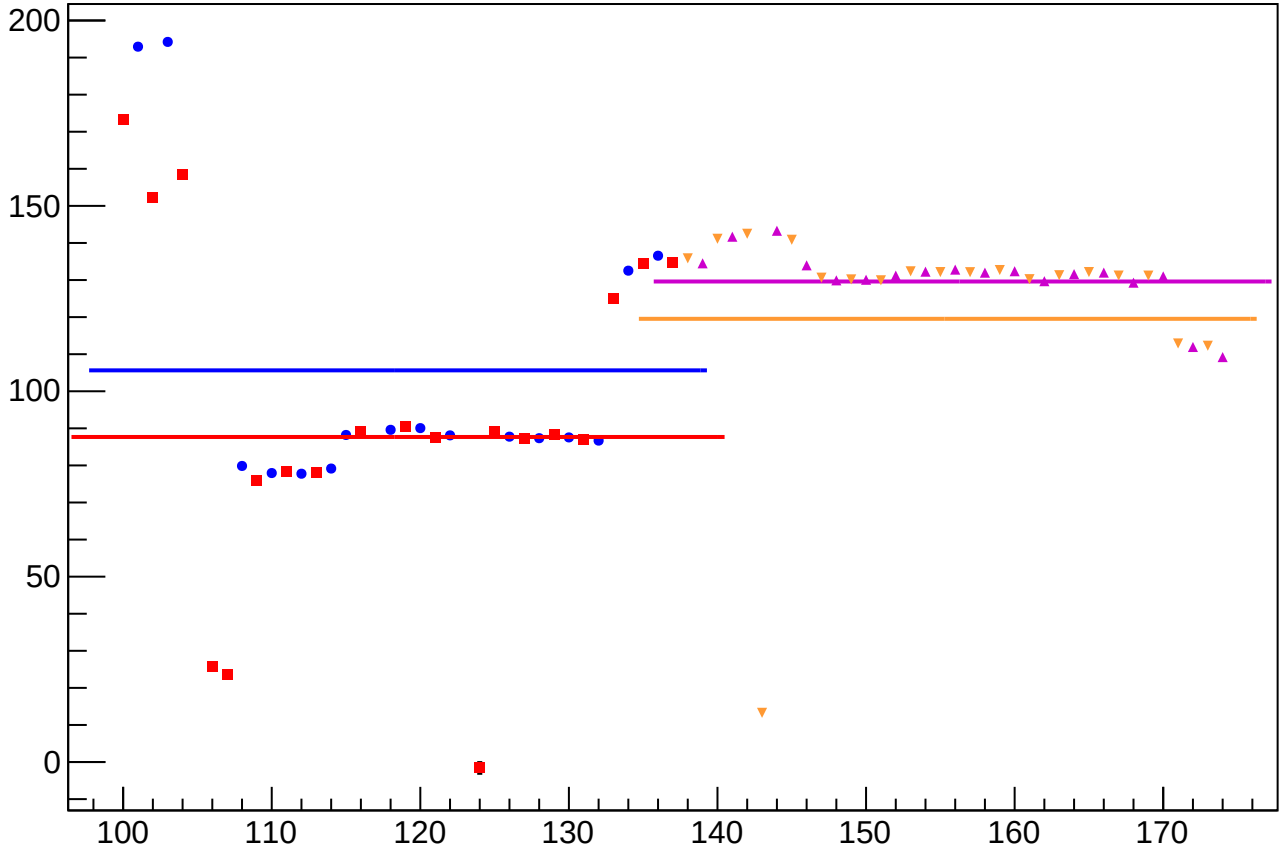
Right: -67.219+/-0.727 χ^2/NDF: 675.8/34

In: -72.055+/-0.714 χ^2/NDF:563.5/33

Out: -66.324+/-0.694 χ^2/NDF:1145.4/37

All: -69.105+/-0.498 χ^2/NDF: 1742.1/71

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.640+/-0.071 χ^2/NDF: 239614.1/15

Left Out: 119.541+/-0.044 χ^2/NDF:606328.6/18

Right Out: 87.673+/-0.066 χ^2/NDF: 374460.7/18

Left In: 129.606+/-0.045 χ^2/NDF:38225.8/17

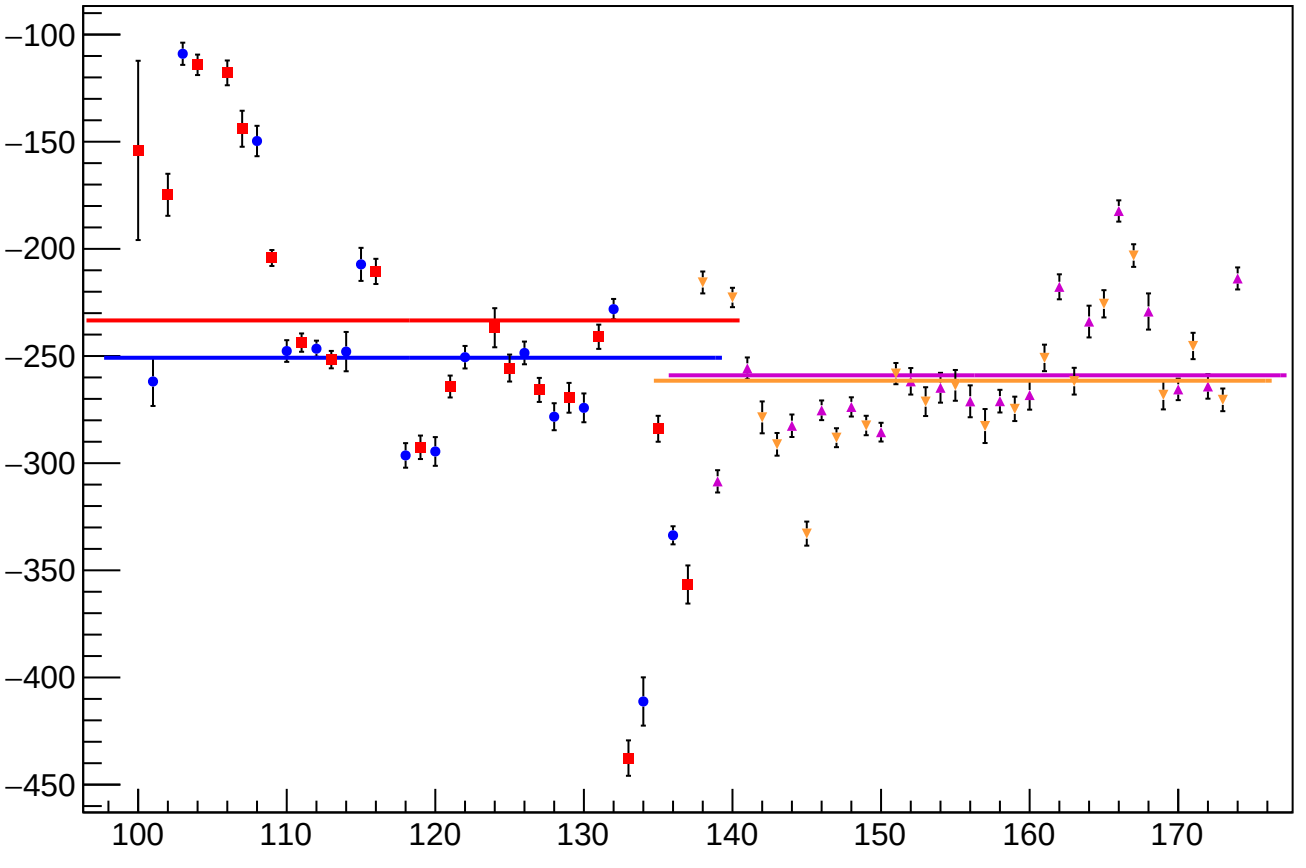
Left: 124.508+/-0.032 χ^2/NDF: 669870.0/36

Right: 95.972+/-0.048 χ^2/NDF: 648694.2/34

In: 122.710+/-0.038 χ^2/NDF:359380.8/33

Out: 109.522+/-0.037 χ^2/NDF:1142449.3/37

All: 115.905+/-0.026 χ^2/NDF: 1564000.1/71



Right In: -250.812+/-1.438 χ^2/NDF: 1735.7/15

Left Out: -261.520+/-1.293 χ^2/NDF:592.8/18

Right Out: -233.396+/-1.333 χ^2/NDF: 2378.5/18

Left In: -259.003+/-1.298 χ^2/NDF:574.1/17

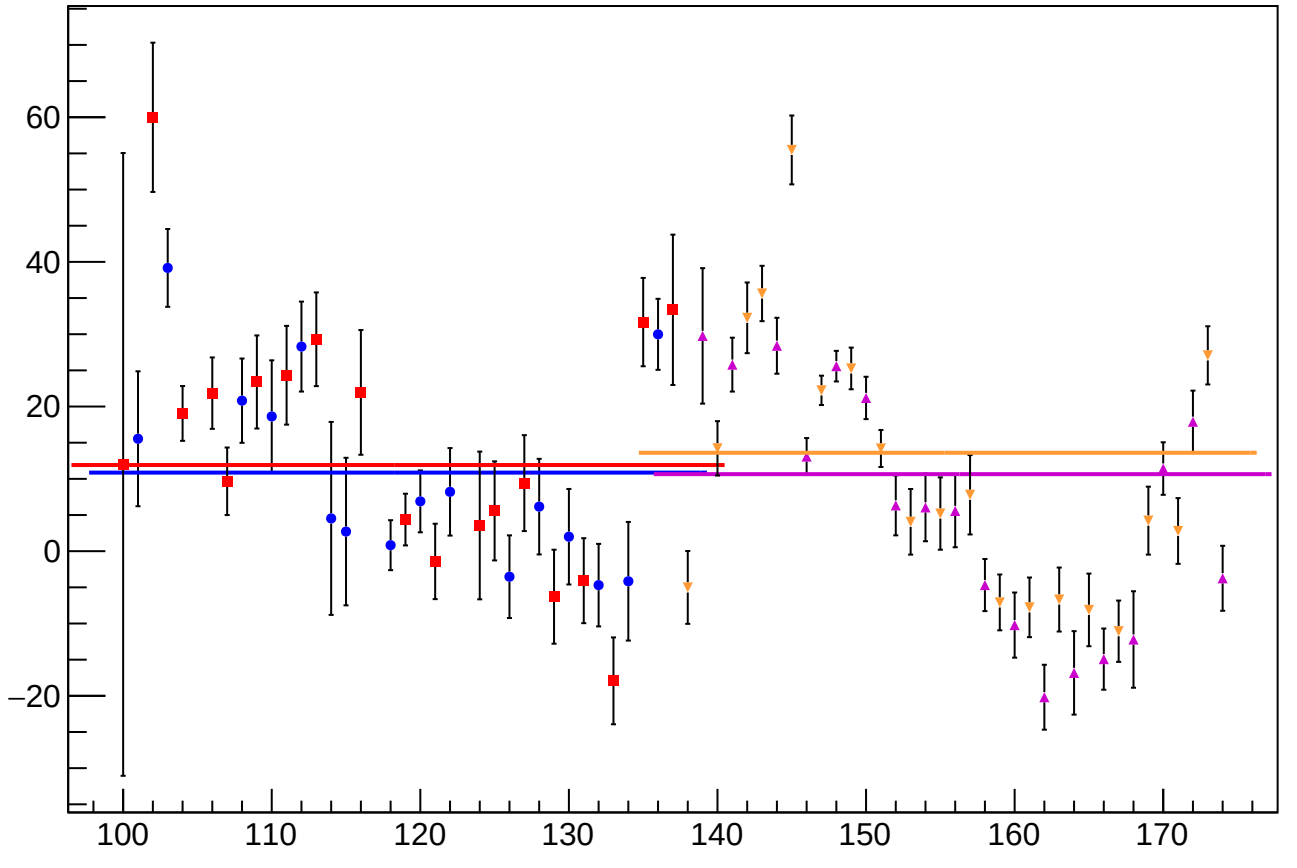
Left: -260.267+/-0.916 χ^2/NDF: 1168.8/36

Right: -241.445+/-0.978 χ^2/NDF: 4193.1/34

In: -255.326+/-0.964 χ^2/NDF:2327.7/33

Out: -247.886+/-0.928 χ^2/NDF:3200.6/37

All: -251.467+/-0.669 χ^2/NDF: 5559.1/71



Right In: 10.864+/-1.471 χ^2/NDF: 84.7/15

Left Out: 13.607+/-0.867 χ^2/NDF:331.7/18

Right Out: 11.912+/-1.368 χ^2/NDF: 111.9/18

Left In: 10.651+/-0.894 χ^2/NDF:279.5/17

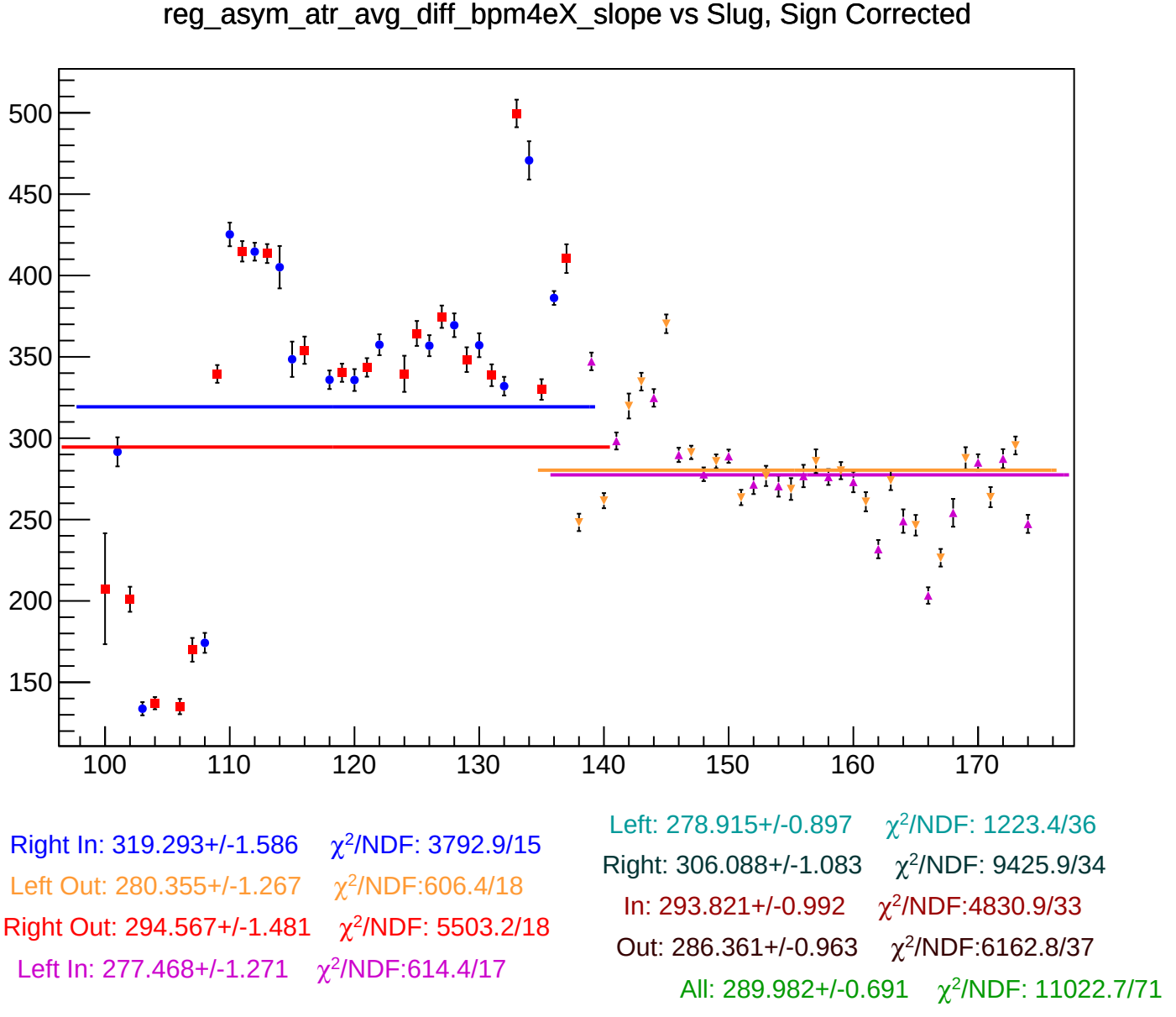
Left: 12.175+/-0.622 χ^2/NDF: 616.9/36

Right: 11.426+/-1.001 χ^2/NDF: 196.9/34

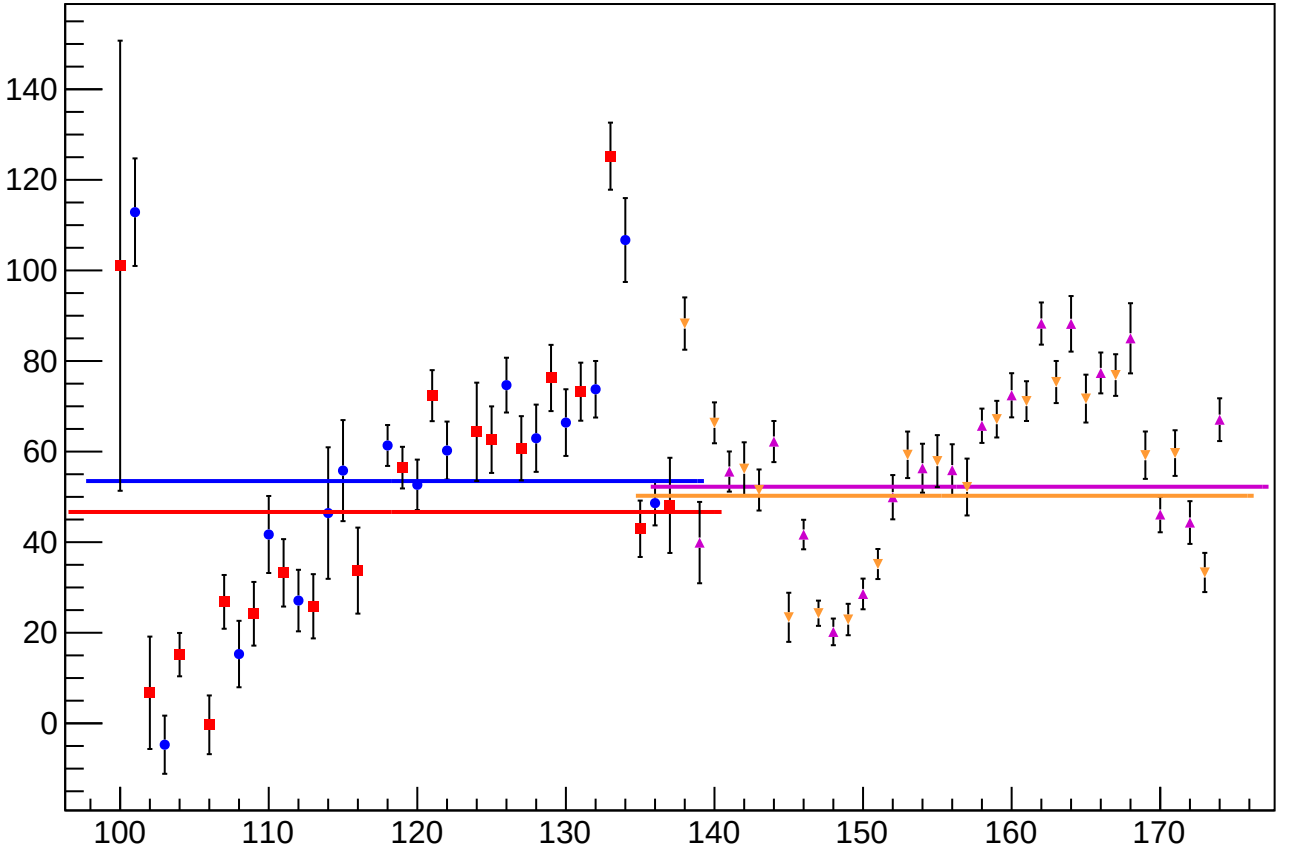
In: 10.708+/-0.764 χ^2/NDF:364.2/33

Out: 13.121+/-0.732 χ^2/NDF:444.7/37

All: 11.966+/-0.529 χ^2/NDF: 814.1/71


reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
500
450
400
350
300
250
200
150
100
110
120
130
140
150
160
170
Right In: 319.293+/-1.586 χ²/NDF: 3792.9/15
Left Out: 280.355+/-1.267 χ²/NDF:606.4/18
Right Out: 294.567+/-1.481 χ²/NDF: 5503.2/18
Left In: 277.468+/-1.271 χ²/NDF:614.4/17
Left: 278.915+/-0.897 χ²/NDF: 1223.4/36
Right: 306.088+/-1.083 χ²/NDF: 9425.9/34
In: 293.821+/-0.992 χ²/NDF:4830.9/33
Out: 286.361+/-0.963 χ²/NDF:6162.8/37
All: 289.982+/-0.691 χ²/NDF: 11022.7/71

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 53.494+/-1.699 χ^2/NDF: 217.2/15

Left Out: 50.245+/-1.021 χ^2/NDF:397.2/18

Right Out: 46.666+/-1.593 χ^2/NDF: 325.6/18

Left In: 52.239+/-1.043 χ^2/NDF:374.4/17

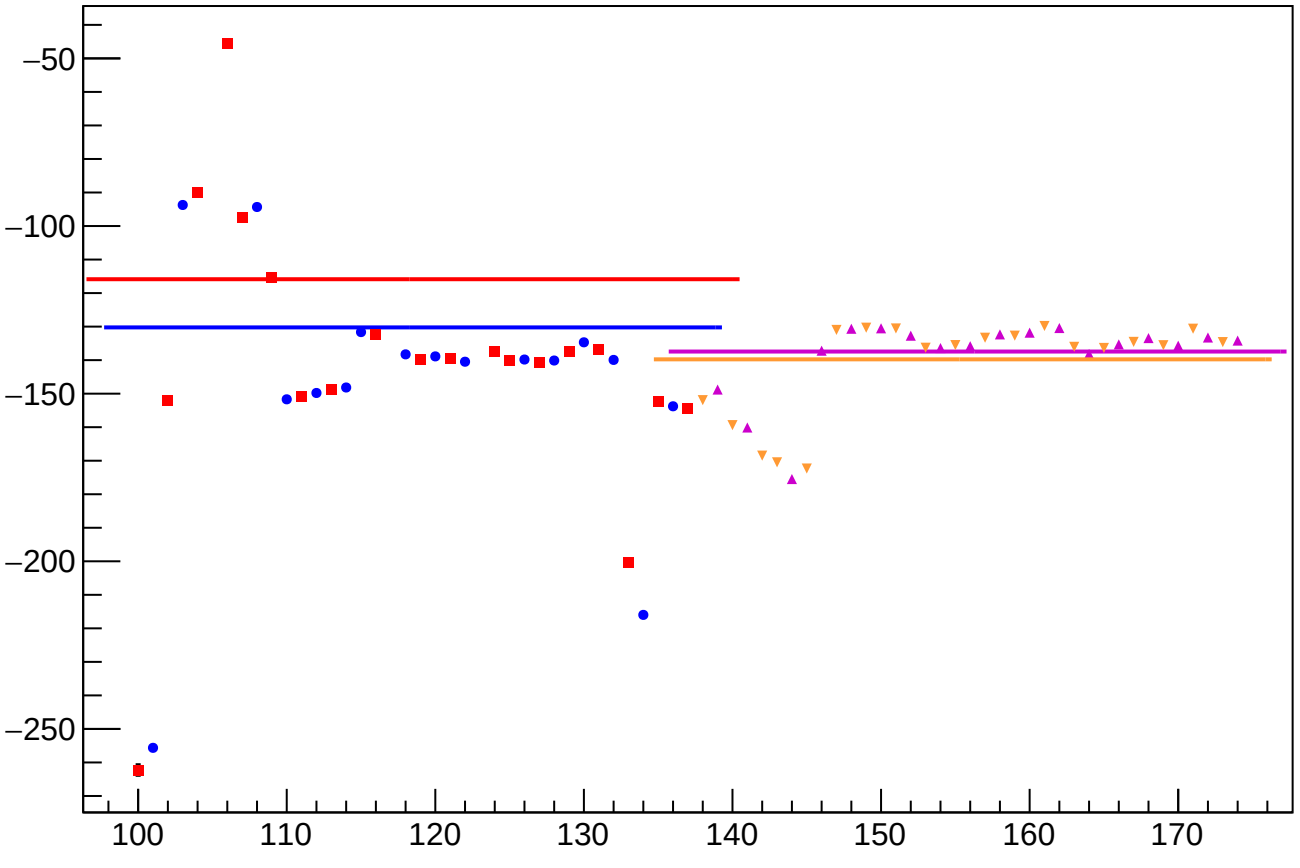
Left: 51.222+/-0.729 χ^2/NDF: 773.5/36

Right: 49.861+/-1.162 χ^2/NDF: 551.4/34

In: 52.582+/-0.889 χ^2/NDF:592.0/33

Out: 49.203+/-0.860 χ^2/NDF:726.4/37

All: 50.837+/-0.618 χ^2/NDF: 1325.9/71



Right In: -130.236+/-0.091 χ^2/NDF: 174208.5/15

Left Out: -139.764+/-0.048 χ^2/NDF:76338.8/18

Right Out: -115.865+/-0.086 χ^2/NDF: 205899.4/18

Left In: -137.437+/-0.048 χ^2/NDF:46983.6/17

Left: -138.587+/-0.034 χ^2/NDF: 124495.7/36

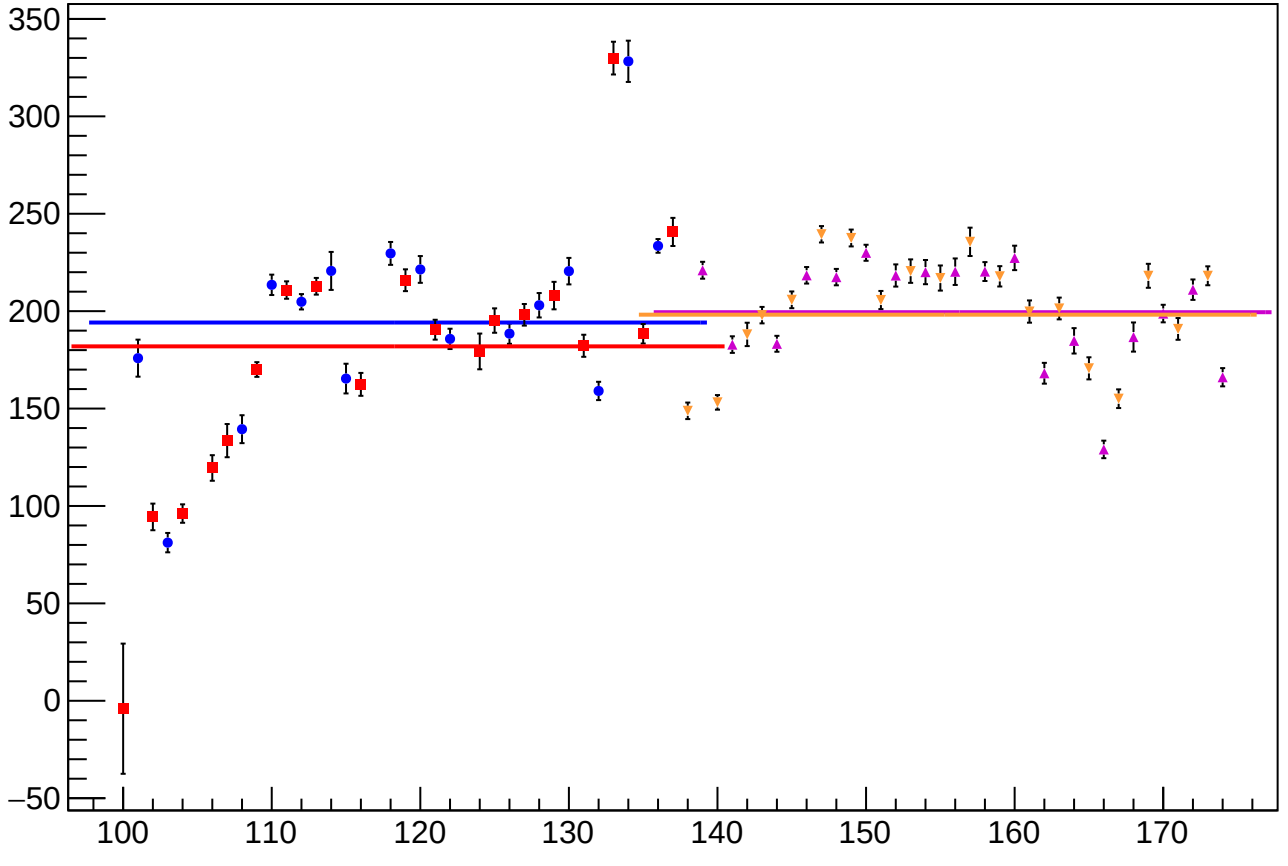
Right: -122.615+/-0.062 χ^2/NDF: 393311.6/34

In: -135.885+/-0.042 χ^2/NDF:226095.3/33

Out: -134.005+/-0.042 χ^2/NDF:341238.0/37

All: -134.940+/-0.030 χ^2/NDF: 568326.6/71

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 194.164+/-1.407 χ^2/NDF: 1035.2/15

Left Out: 198.198+/-1.142 χ^2/NDF:664.1/18

Right Out: 181.928+/-1.322 χ^2/NDF: 1204.8/18

Left In: 199.461+/-1.160 χ^2/NDF:562.0/17

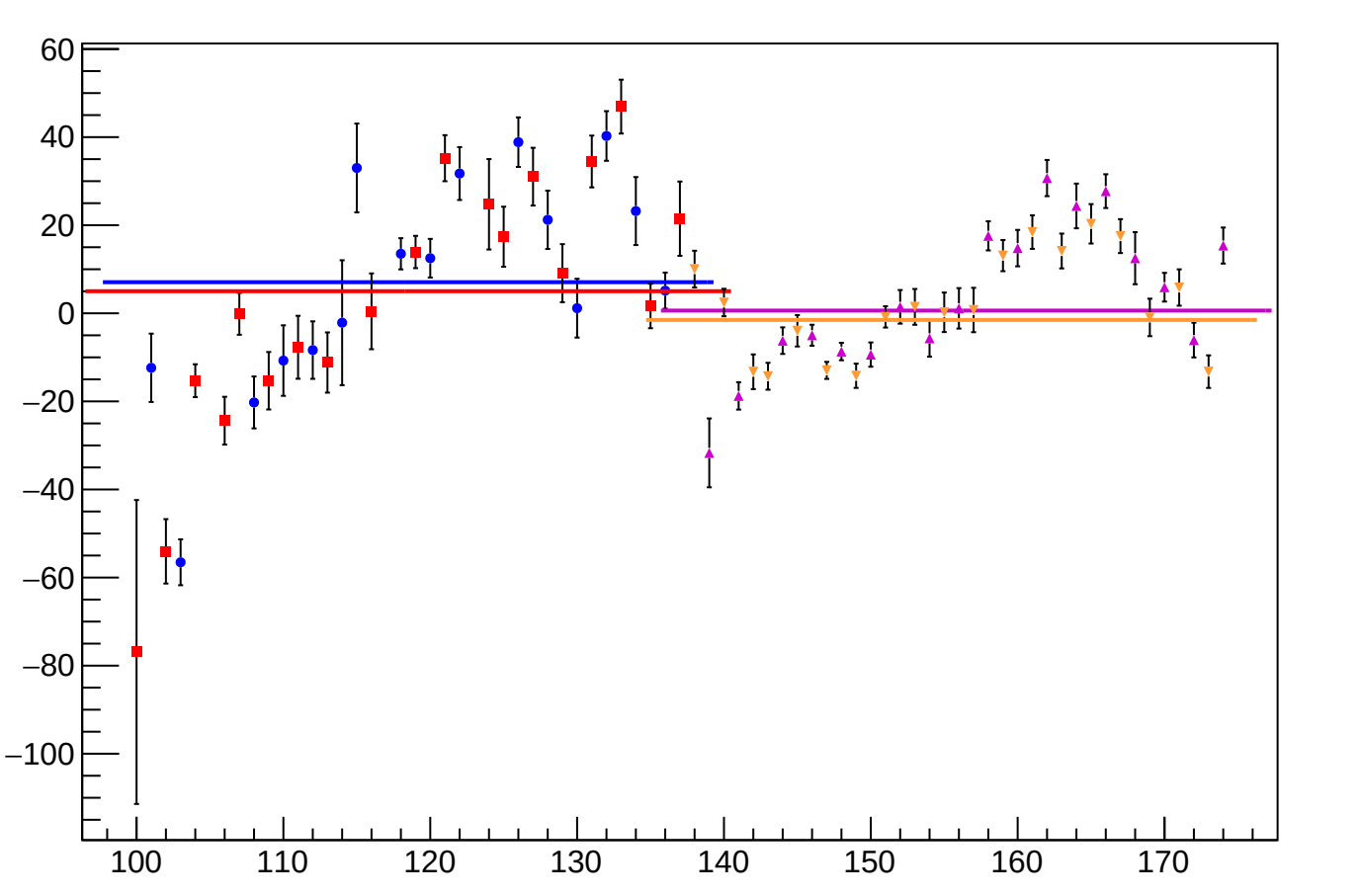
Left: 198.820+/-0.814 χ^2/NDF: 1226.7/36

Right: 187.666+/-0.963 χ^2/NDF: 2280.2/34

In: 197.316+/-0.895 χ^2/NDF:1605.6/33

Out: 191.242+/-0.864 χ^2/NDF:1955.7/37

All: 194.173+/-0.622 χ^2/NDF: 3585.1/71



Right In: 7.066+/-1.443 χ^2/NDF: 292.6/15

Left Out: -1.509+/-0.779 χ^2/NDF:215.2/18

Right Out: 5.015+/-1.355 χ^2/NDF: 288.5/18

Left In: 0.616+/-0.809 χ^2/NDF:290.3/17

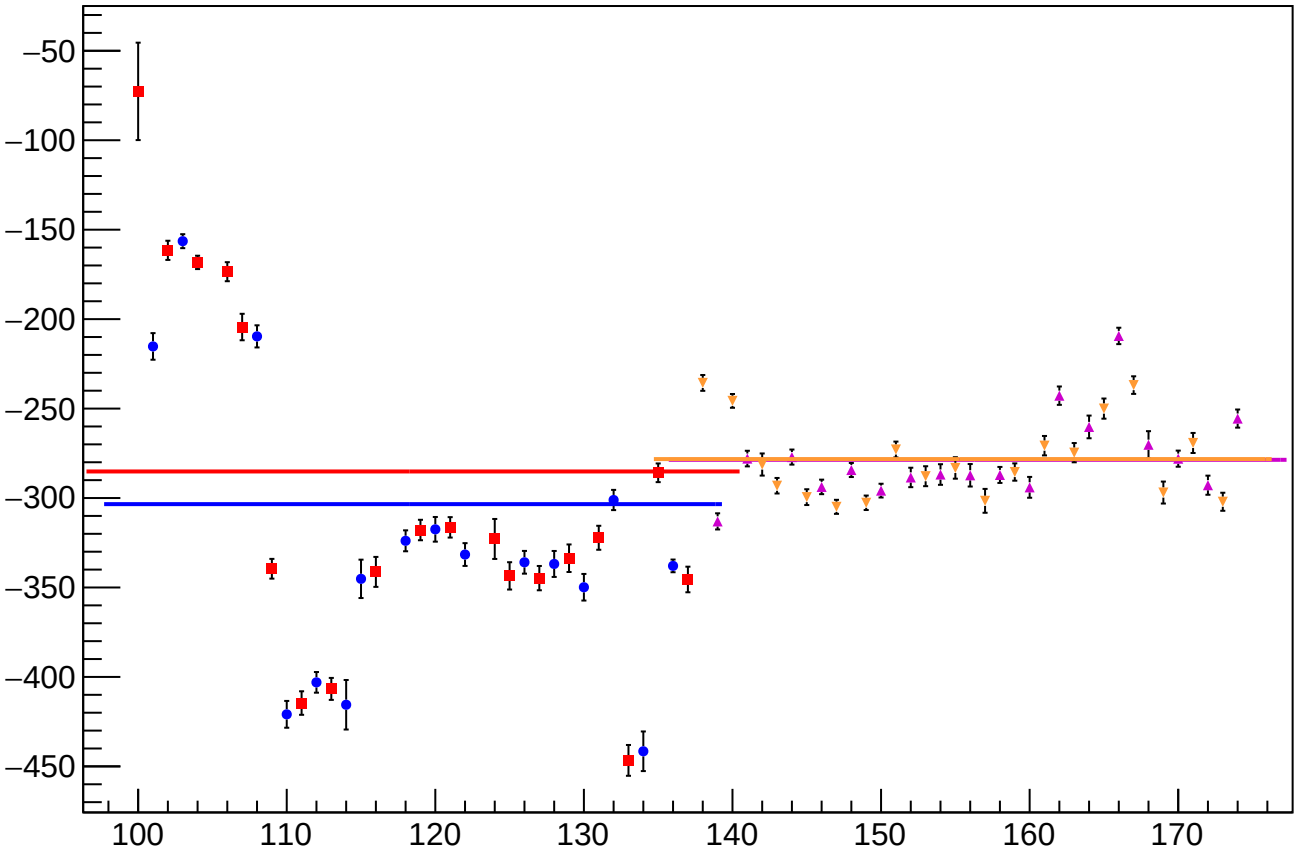
Left: -0.486+/-0.561 χ^2/NDF: 509.1/36

Right: 5.976+/-0.988 χ^2/NDF: 582.2/34

In: 2.158+/-0.705 χ^2/NDF:598.1/33

Out: 0.112+/-0.675 χ^2/NDF:521.1/37

All: 1.090+/-0.488 χ^2/NDF: 1123.6/71



Right In: -303.408+/-1.530 χ^2/NDF: 2785.5/15

Left Out: -278.228+/-1.125 χ^2/NDF:433.8/18

Right Out: -285.148+/-1.451 χ^2/NDF: 3754.8/18

Left In: -278.637+/-1.139 χ^2/NDF:426.4/17

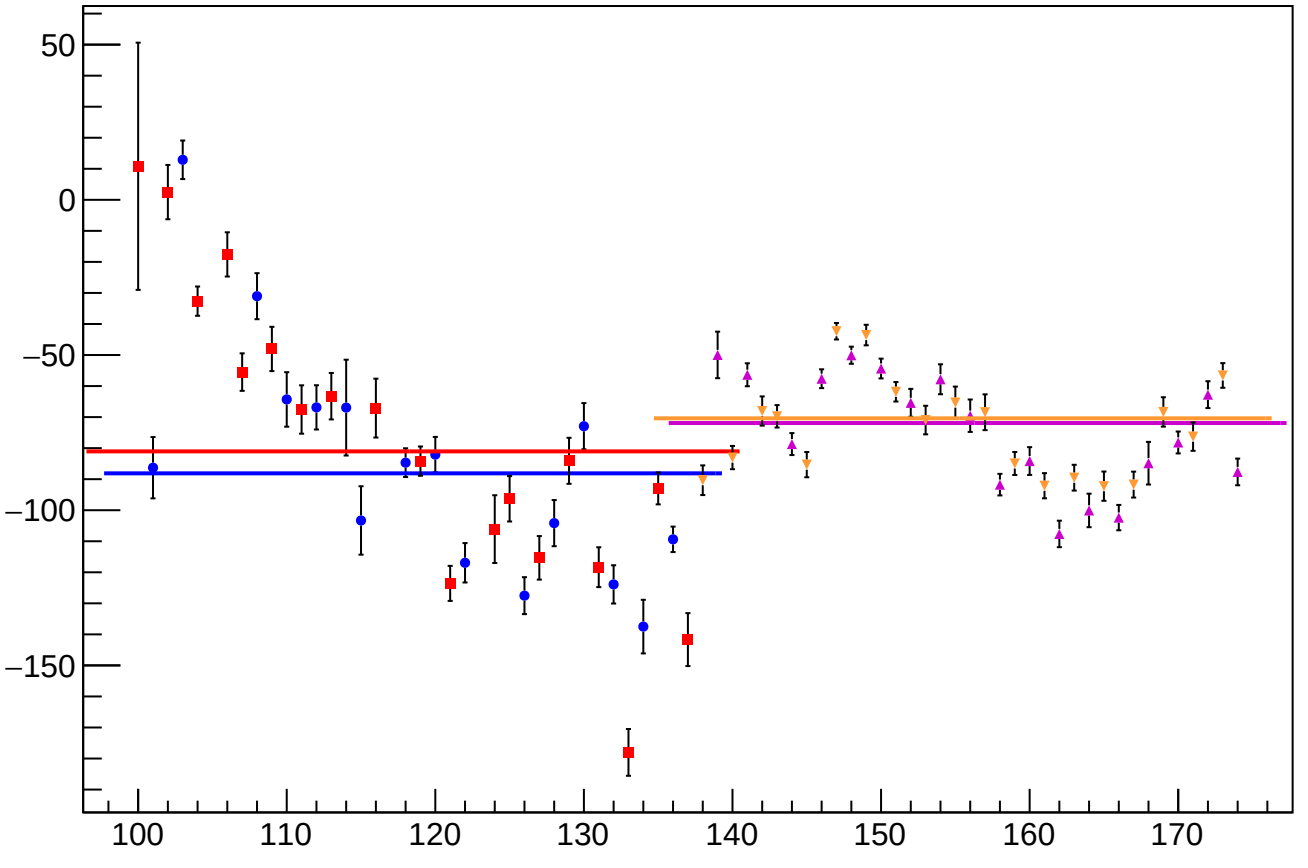
Left: -278.430+/-0.800 χ^2/NDF: 860.3/36

Right: -293.794+/-1.053 χ^2/NDF: 6615.3/34

In: -287.471+/-0.914 χ^2/NDF:3380.6/33

Out: -280.826+/-0.889 χ^2/NDF:4202.9/37

All: -284.057+/-0.637 χ^2/NDF: 7610.6/71



Right In: -88.119+/-1.655 χ^2/NDF: 511.9/15

Left Out: -70.393+/-0.914 χ^2/NDF:355.5/18

Right Out: -81.046+/-1.569 χ^2/NDF: 677.5/18

Left In: -71.911+/-0.941 χ^2/NDF:373.7/17

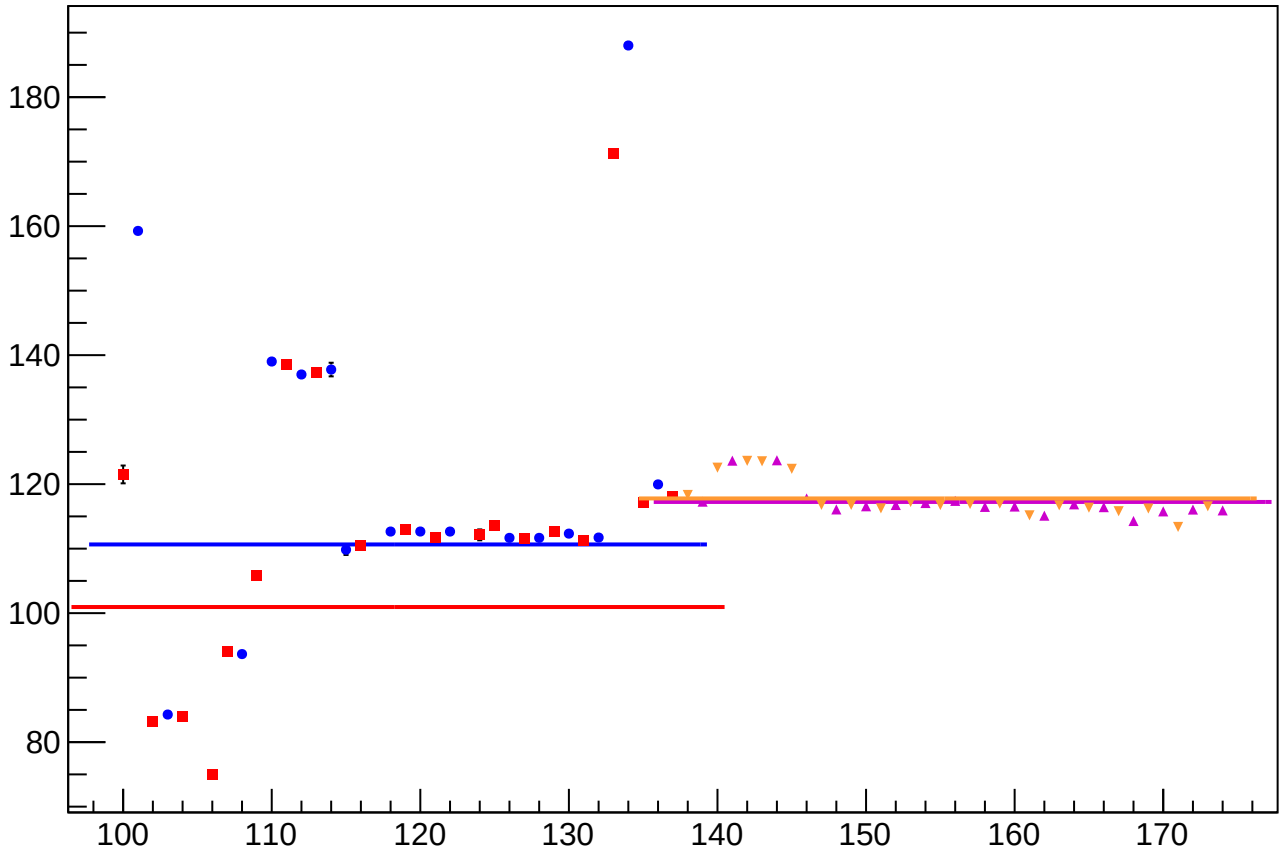
Left: -71.130+/-0.656 χ^2/NDF: 730.5/36

Right: -84.394+/-1.139 χ^2/NDF: 1199.1/34

In: -75.870+/-0.818 χ^2/NDF:958.1/33

Out: -73.093+/-0.790 χ^2/NDF:1067.4/37

All: -74.433+/-0.568 χ^2/NDF: 2031.5/71



Right In: 110.651+/-0.086 χ^2/NDF: 83521.8/15

Left Out: 117.784+/-0.043 χ^2/NDF:4265.2/18

Right Out: 100.949+/-0.081 χ^2/NDF: 62002.4/18

Left In: 117.240+/-0.043 χ^2/NDF:3043.6/17

Left: 117.511+/-0.030 χ^2/NDF: 7389.0/36

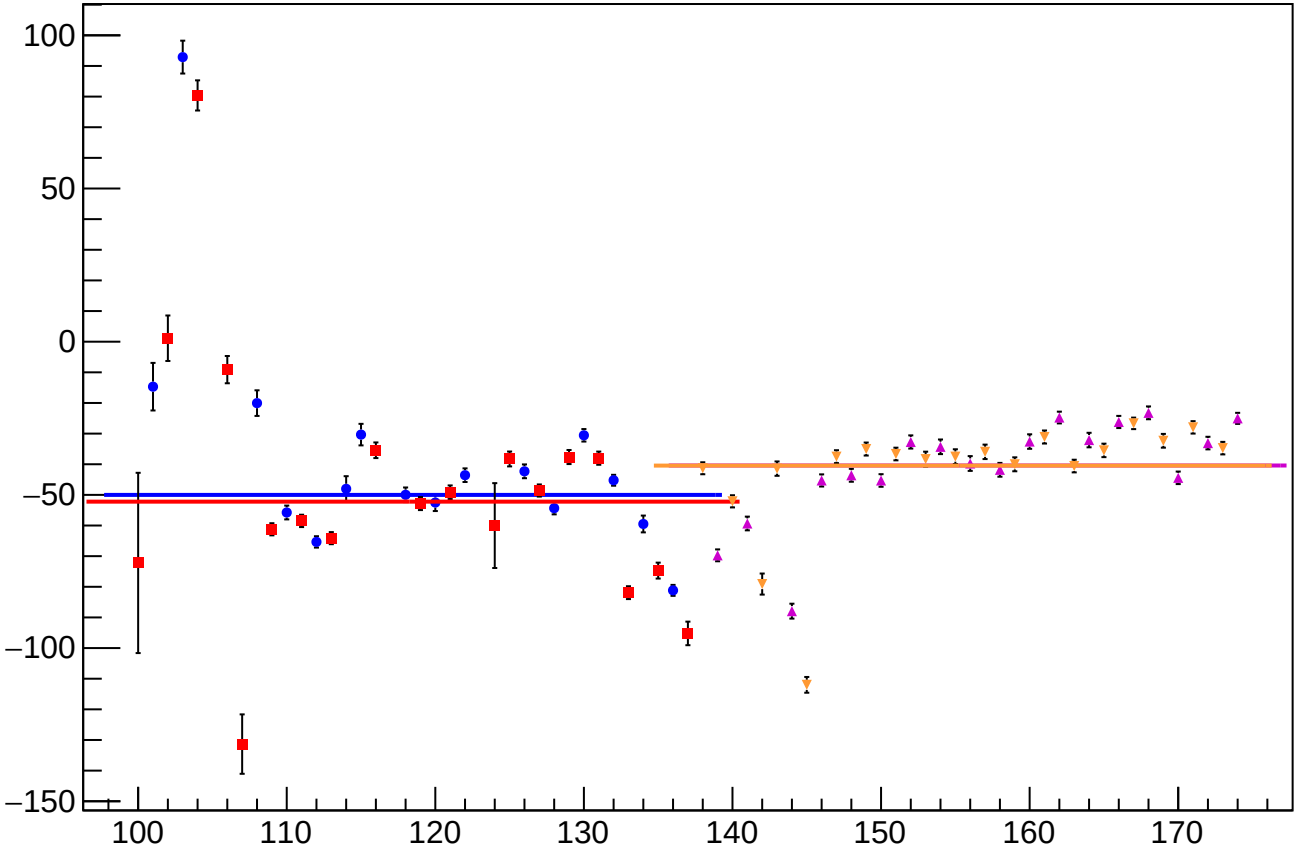
Right: 105.518+/-0.059 χ^2/NDF: 152285.6/34

In: 115.924+/-0.038 χ^2/NDF:91282.7/33

Out: 114.083+/-0.038 χ^2/NDF:99992.4/37

All: 114.994+/-0.027 χ^2/NDF: 192438.0/71

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -50.008+/-0.610 χ^2/NDF: 1327.4/15

Left Out: -40.441+/-0.503 χ^2/NDF:1089.4/18

Right Out: -52.207+/-0.605 χ^2/NDF: 1570.3/18

Left In: -40.411+/-0.500 χ^2/NDF:1012.8/17

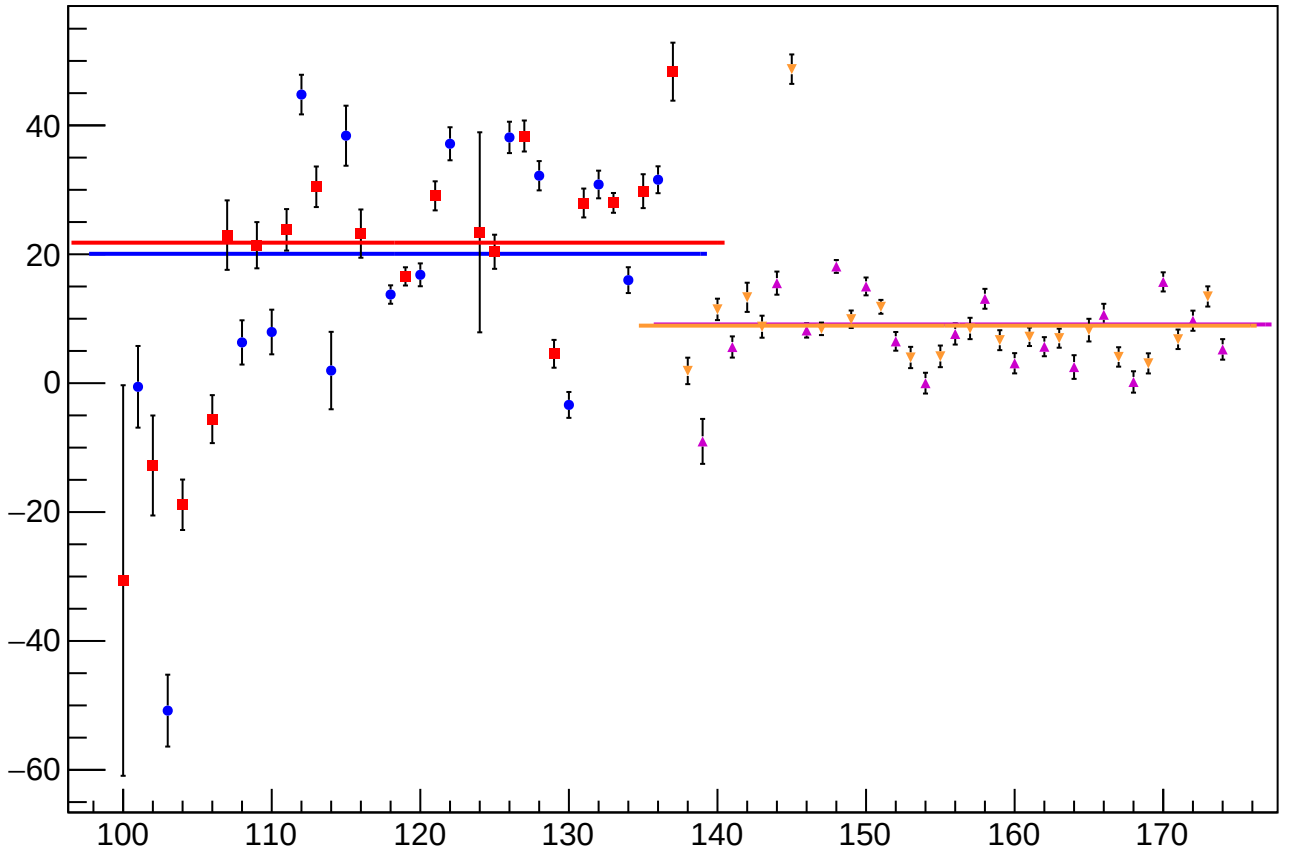
Left: -40.426+/-0.355 χ^2/NDF: 2102.3/36

Right: -51.116+/-0.430 χ^2/NDF: 2904.2/34

In: -44.268+/-0.387 χ^2/NDF:2488.2/33

Out: -45.250+/-0.387 χ^2/NDF:2883.4/37

All: -44.759+/-0.273 χ^2/NDF: 5374.8/71



Right In: 20.072+/-0.612 χ^2/NDF: 636.2/15

Left Out: 8.928+/-0.348 χ^2/NDF:386.5/18

Right Out: 21.800+/-0.622 χ^2/NDF: 396.3/18

Left In: 9.110+/-0.356 χ^2/NDF:276.0/17

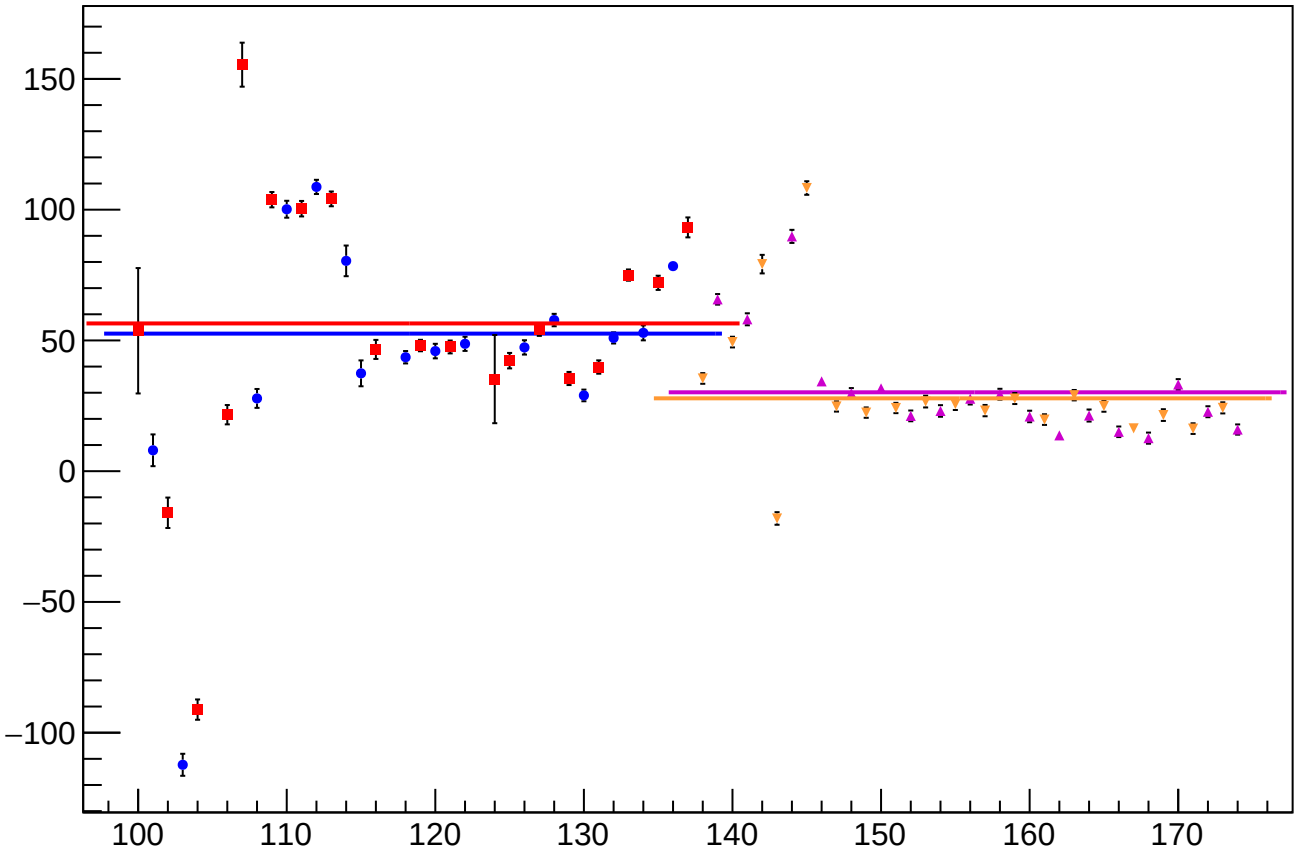
Left: 9.017+/-0.249 χ^2/NDF: 662.6/36

Right: 20.922+/-0.436 χ^2/NDF: 1036.5/34

In: 11.887+/-0.308 χ^2/NDF:1151.8/33

Out: 11.995+/-0.304 χ^2/NDF:1109.0/37

All: 11.942+/-0.216 χ^2/NDF: 2260.8/71



Right In: 52.605+/-0.696 χ^2/NDF: 2659.4/15

Left Out: 27.855+/-0.493 χ^2/NDF:1773.7/18

Right Out: 56.499+/-0.705 χ^2/NDF: 2965.5/18

Left In: 30.164+/-0.491 χ^2/NDF:1363.6/17

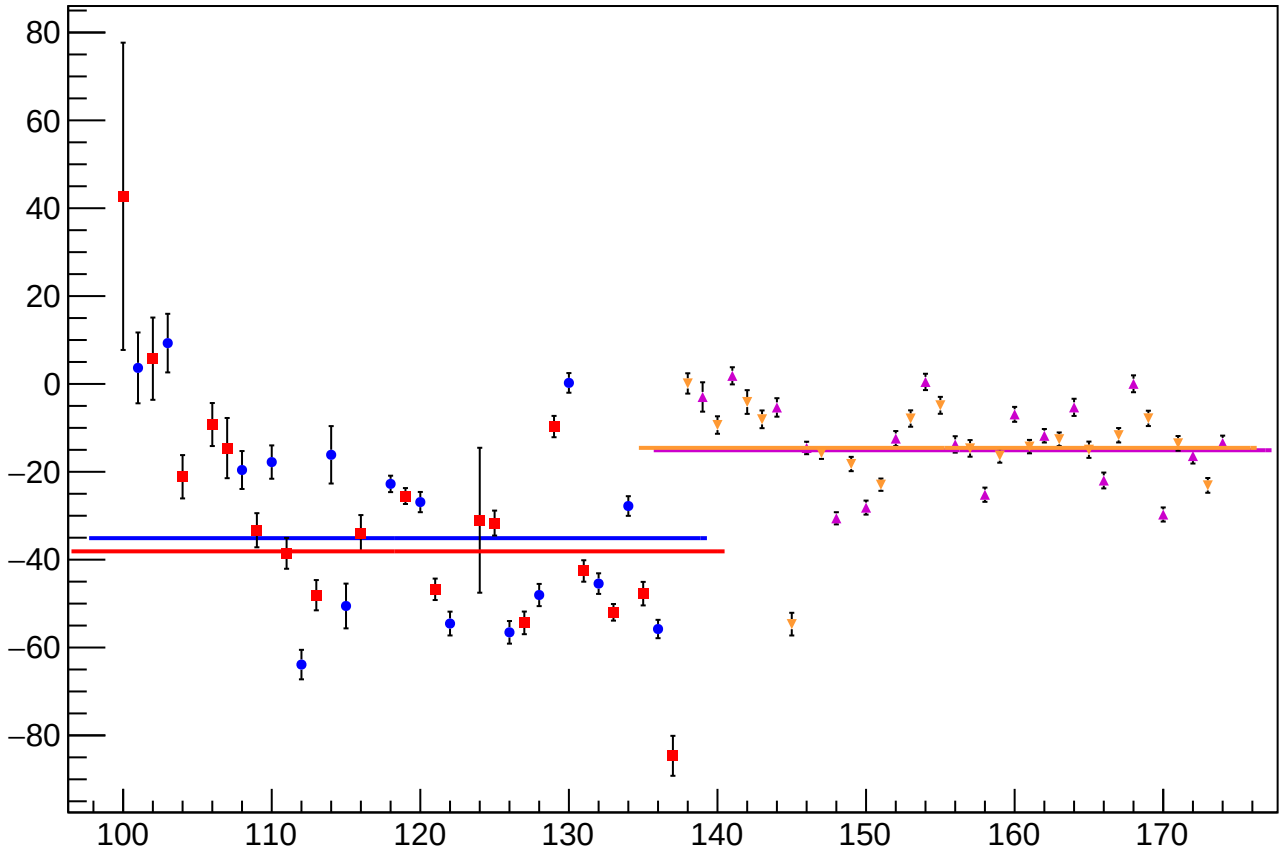
Left: 29.014+/-0.348 χ^2/NDF: 3148.3/36

Right: 54.527+/-0.496 χ^2/NDF: 5640.4/34

In: 37.611+/-0.401 χ^2/NDF:4716.9/33

Out: 37.247+/-0.404 χ^2/NDF:5847.4/37

All: 37.430+/-0.285 χ^2/NDF: 10564.7/71



Right In: -35.104+/-0.700 χ^2/NDF: 773.2/15

Left Out: -14.552+/-0.402 χ^2/NDF:440.4/18

Right Out: -38.109+/-0.714 χ^2/NDF: 514.6/18

Left In: -15.093+/-0.409 χ^2/NDF:627.1/17

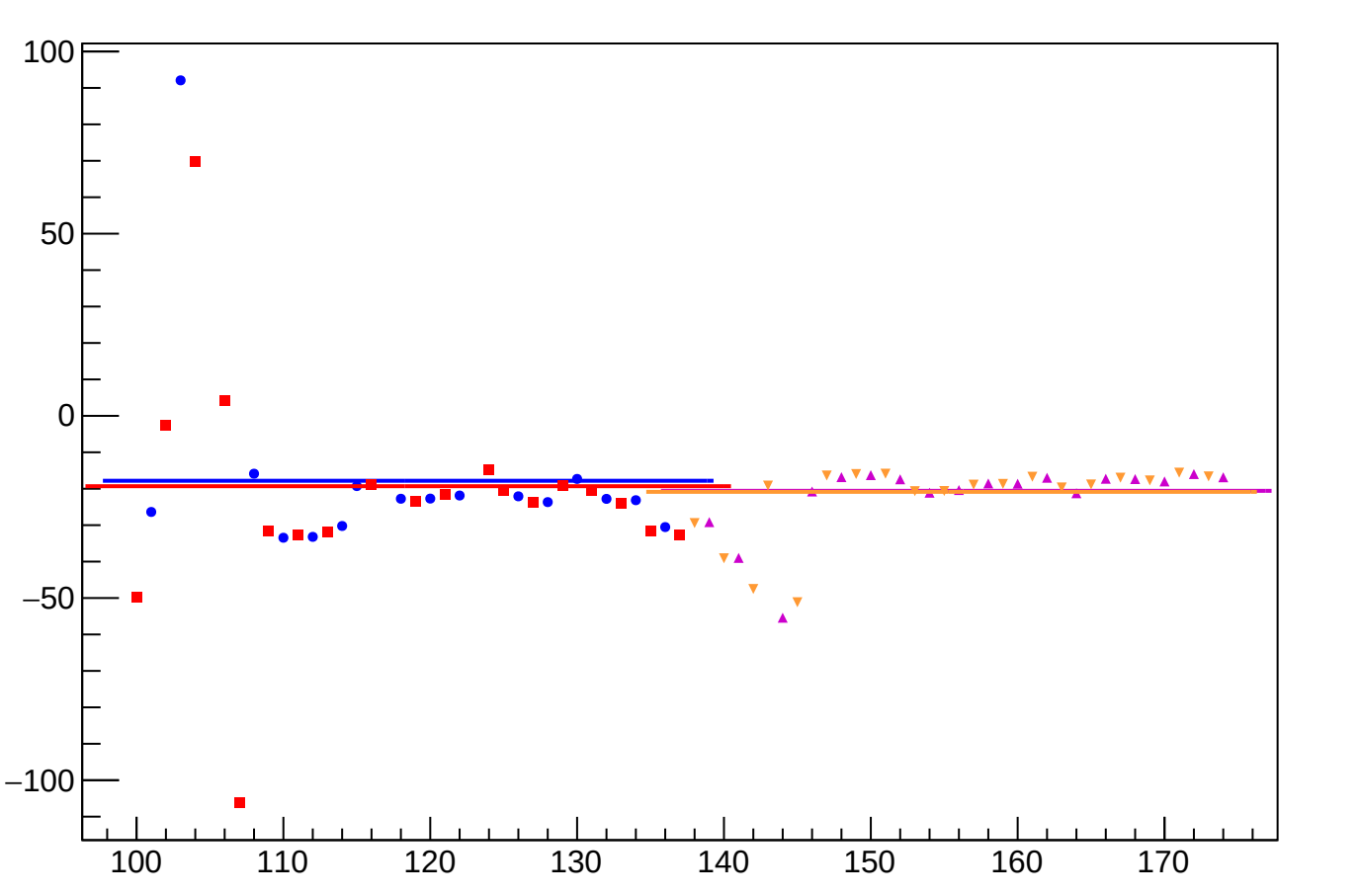
Left: -14.818+/-0.287 χ^2/NDF: 1068.4/36

Right: -36.577+/-0.500 χ^2/NDF: 1296.8/34

In: -20.184+/-0.353 χ^2/NDF:2009.5/33

Out: -20.224+/-0.350 χ^2/NDF:1781.8/37

All: -20.204+/-0.249 χ^2/NDF: 3791.2/71



Right In: -17.817+/-0.043 χ^2/NDF: 426105.1/15

Left Out: -20.853+/-0.018 χ^2/NDF:203461.6/18

Right Out: -19.311+/-0.046 χ^2/NDF: 344626.7/18

Left In: -20.576+/-0.018 χ^2/NDF:172245.6/17

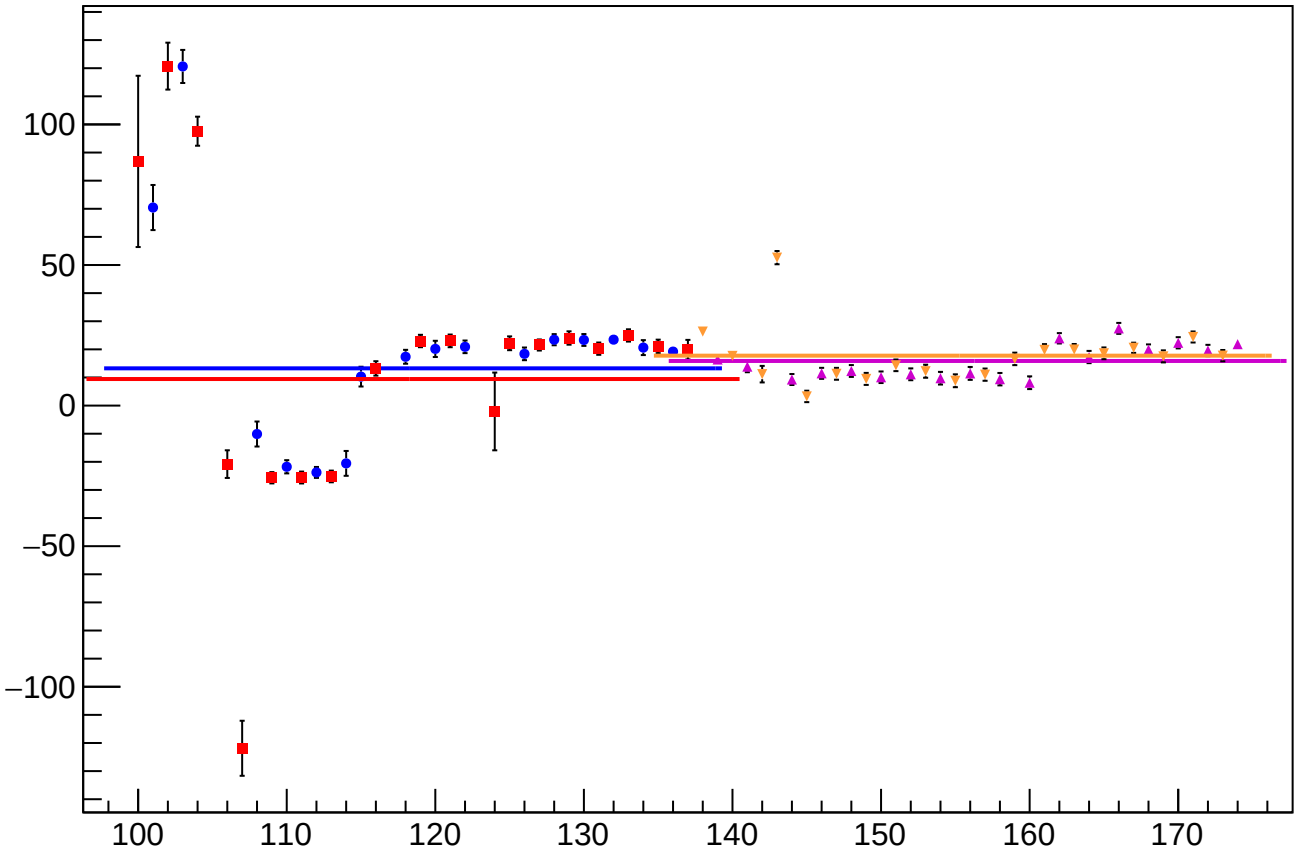
Left: -20.713+/-0.013 χ^2/NDF: 375823.3/36

Right: -18.516+/-0.032 χ^2/NDF: 771290.6/34

In: -20.166+/-0.017 χ^2/NDF:601818.5/33

Out: -20.644+/-0.017 χ^2/NDF:549056.4/37

All: -20.400+/-0.012 χ^2/NDF: 1151277.7/71



Right In: 13.250+/-0.615 χ^2/NDF: 1182.5/15

Left Out: 17.760+/-0.477 χ^2/NDF:371.0/18

Right Out: 9.450+/-0.615 χ^2/NDF: 1836.6/18

Left In: 15.874+/-0.473 χ^2/NDF:149.8/17

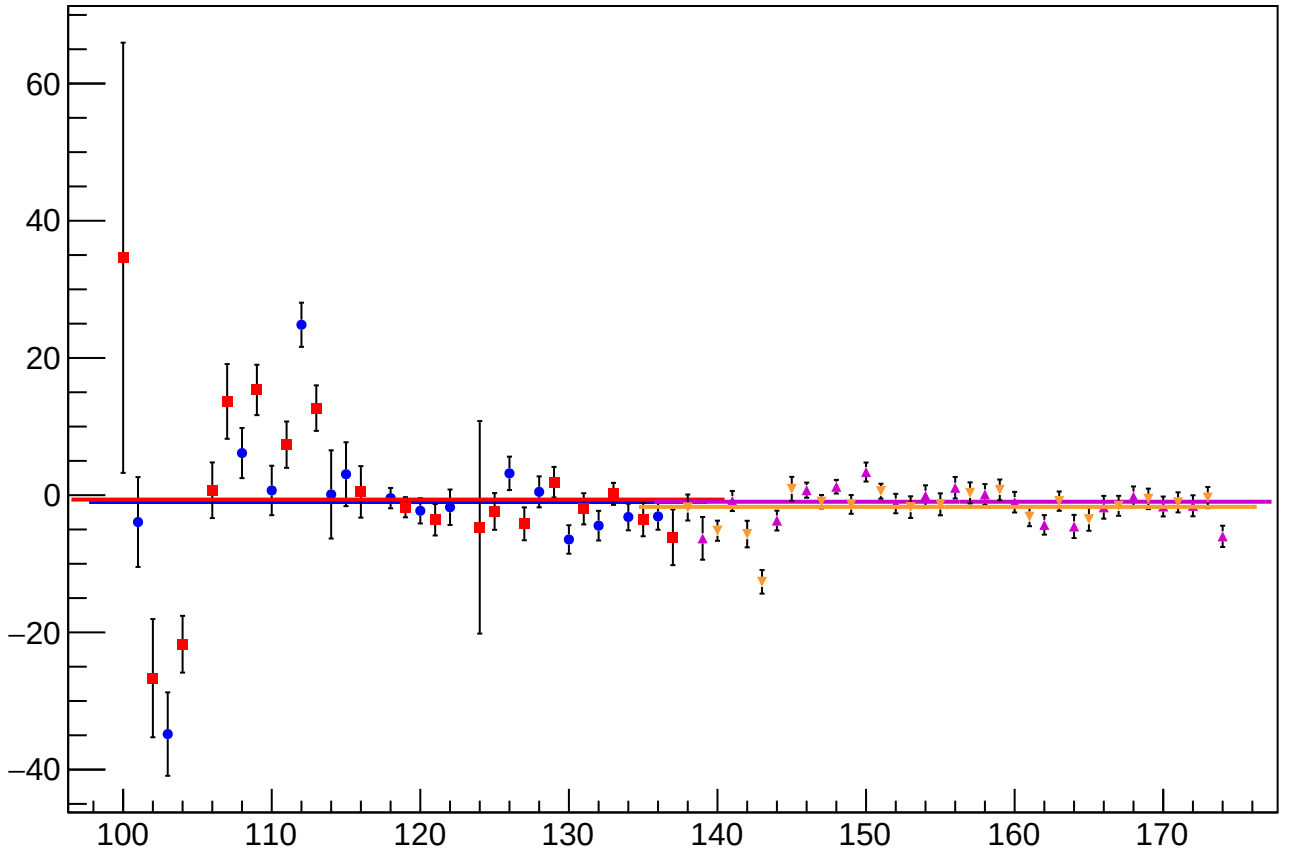
Left: 16.809+/-0.336 χ^2/NDF: 528.7/36

Right: 11.351+/-0.435 χ^2/NDF: 3038.2/34

In: 14.897+/-0.375 χ^2/NDF:1343.7/33

Out: 14.638+/-0.377 χ^2/NDF:2321.5/37

All: 14.768+/-0.266 χ^2/NDF: 3665.5/71



Right In: -0.993+/-0.619 χ^2/NDF: 116.3/15

Left Out: -1.709+/-0.334 χ^2/NDF:66.2/18

Right Out: -0.644+/-0.636 χ^2/NDF: 94.2/18

Left In: -0.959+/-0.341 χ^2/NDF:47.7/17

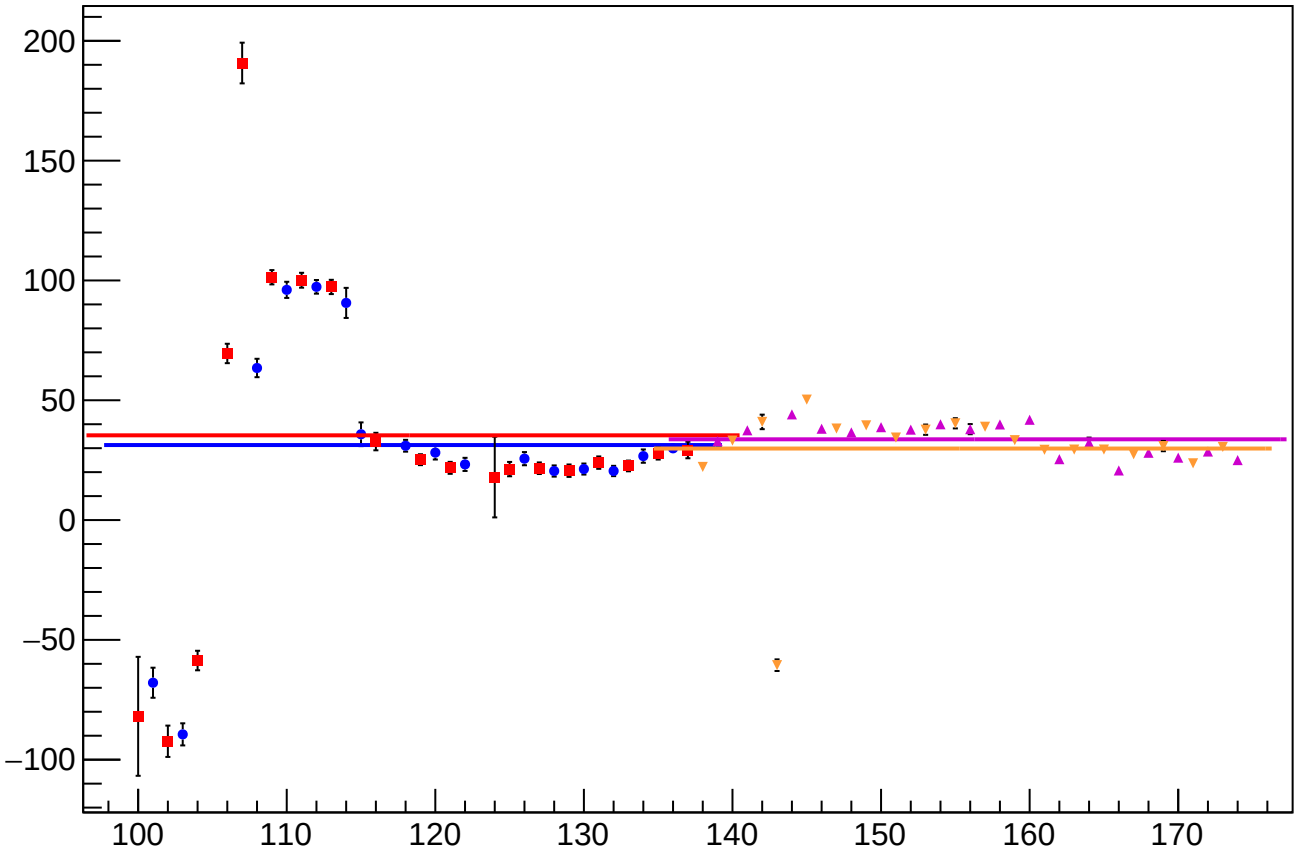
Left: -1.342+/-0.239 χ^2/NDF: 116.4/36

Right: -0.823+/-0.443 χ^2/NDF: 210.7/34

In: -0.967+/-0.299 χ^2/NDF:164.0/33

Out: -1.479+/-0.296 χ^2/NDF:162.6/37

All: -1.226+/-0.210 χ^2/NDF: 328.2/71



Right In: 31.310+/-0.700 χ^2/NDF: 2085.9/15

Left Out: 29.854+/-0.468 χ^2/NDF:1638.6/18

Right Out: 35.366+/-0.717 χ^2/NDF: 2897.7/18

Left In: 33.705+/-0.466 χ^2/NDF:202.0/17

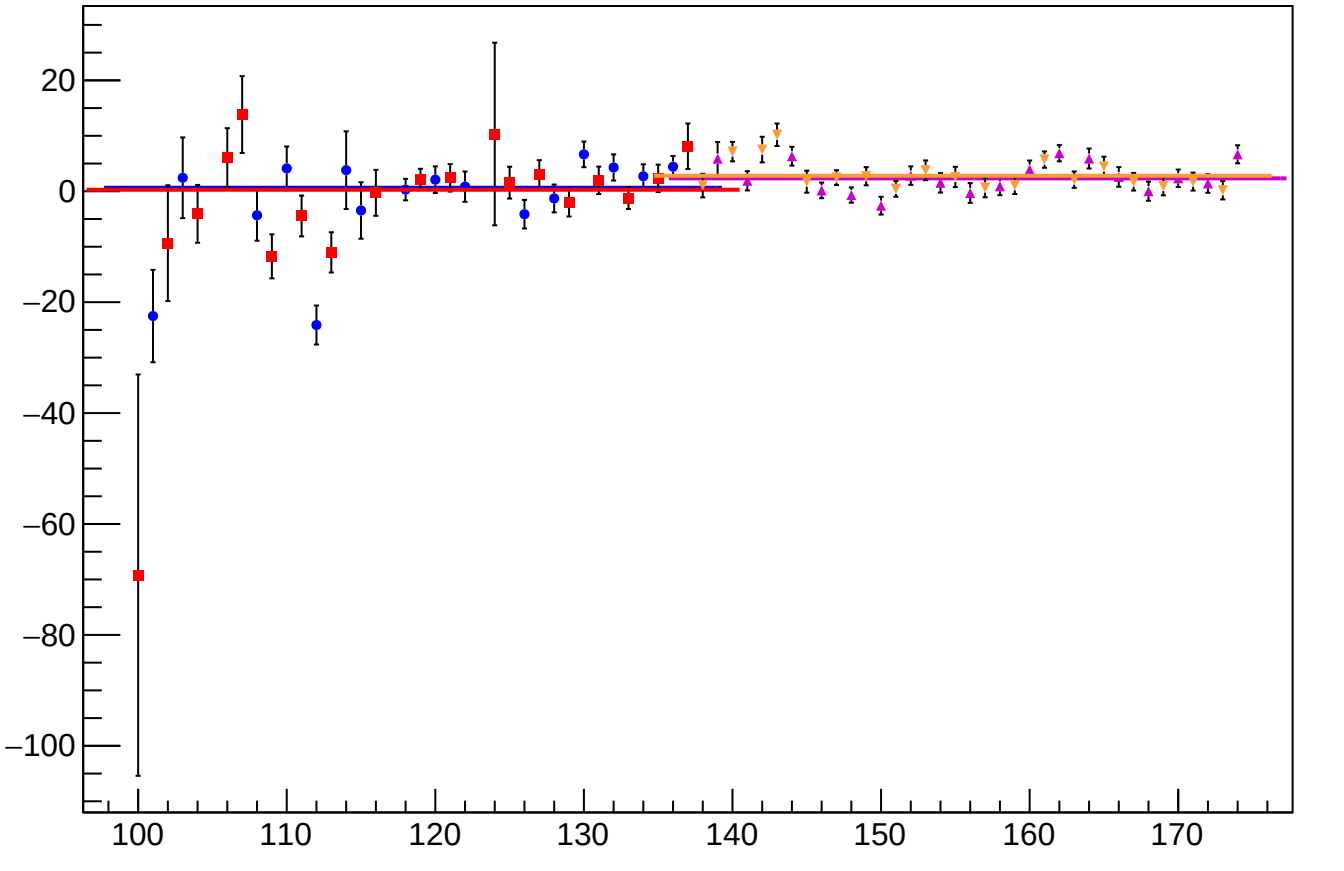
Left: 31.791+/-0.330 χ^2/NDF: 1874.6/36

Right: 33.289+/-0.501 χ^2/NDF: 4999.9/34

In: 32.971+/-0.388 χ^2/NDF:2296.0/33

Out: 31.502+/-0.392 χ^2/NDF:4577.7/37

All: 32.245+/-0.276 χ^2/NDF: 6880.8/71



Right In: 0.632+/-0.705 χ^2/NDF: 78.4/15

Left Out: 2.797+/-0.385 χ^2/NDF:40.1/18

Right Out: 0.274+/-0.726 χ^2/NDF: 40.5/18

Left In: 2.327+/-0.391 χ^2/NDF:50.7/17

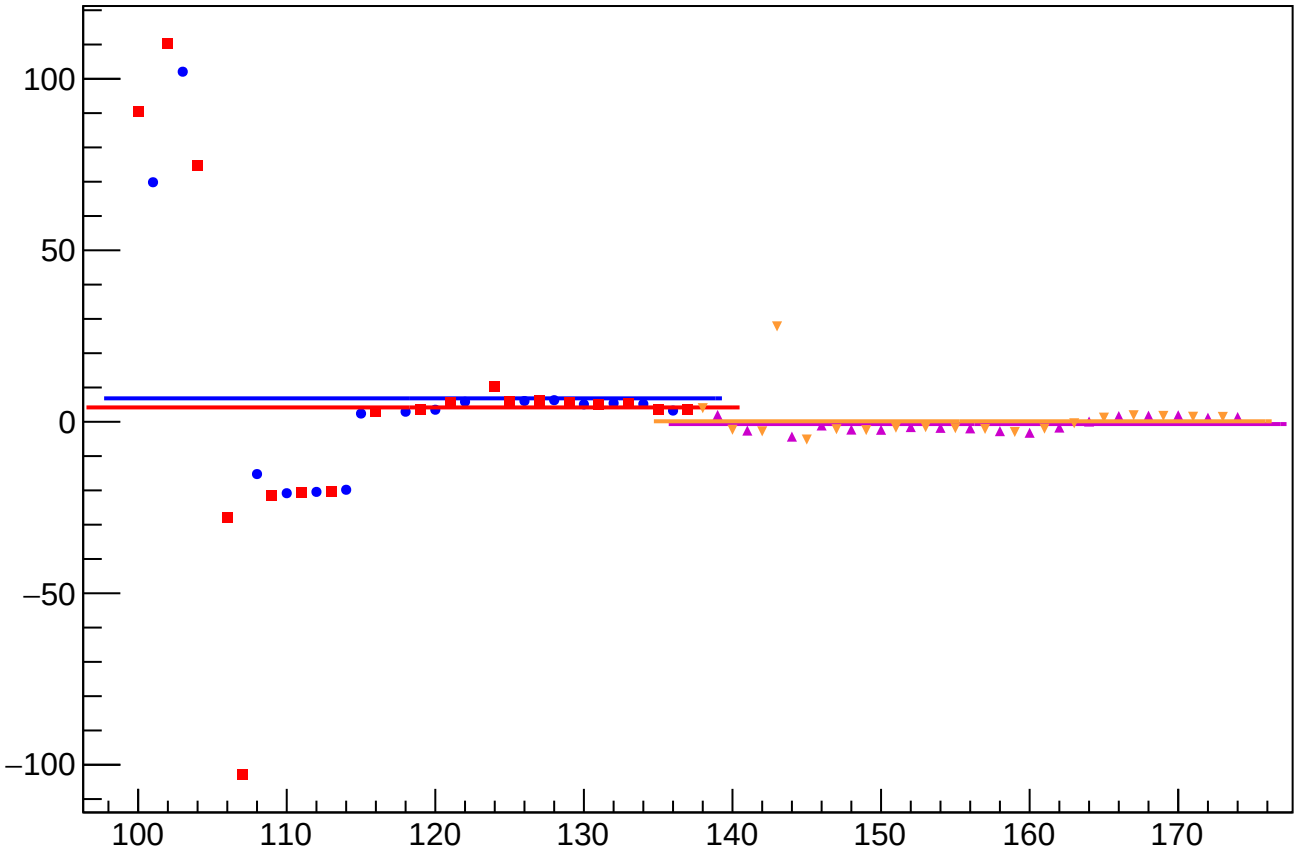
Left: 2.566+/-0.274 χ^2/NDF: 91.5/36

Right: 0.459+/-0.506 χ^2/NDF: 119.0/34

In: 1.929+/-0.342 χ^2/NDF:133.5/33

Out: 2.243+/-0.340 χ^2/NDF:90.0/37

All: 2.087+/-0.241 χ^2/NDF: 224.0/71



Right In: 6.838+/-0.043 χ^2/NDF: 320954.7/15

Left Out: 0.148+/-0.017 χ^2/NDF:93569.6/18

Right Out: 4.190+/-0.046 χ^2/NDF: 434546.8/18

Left In: -0.661+/-0.017 χ^2/NDF:13147.6/17

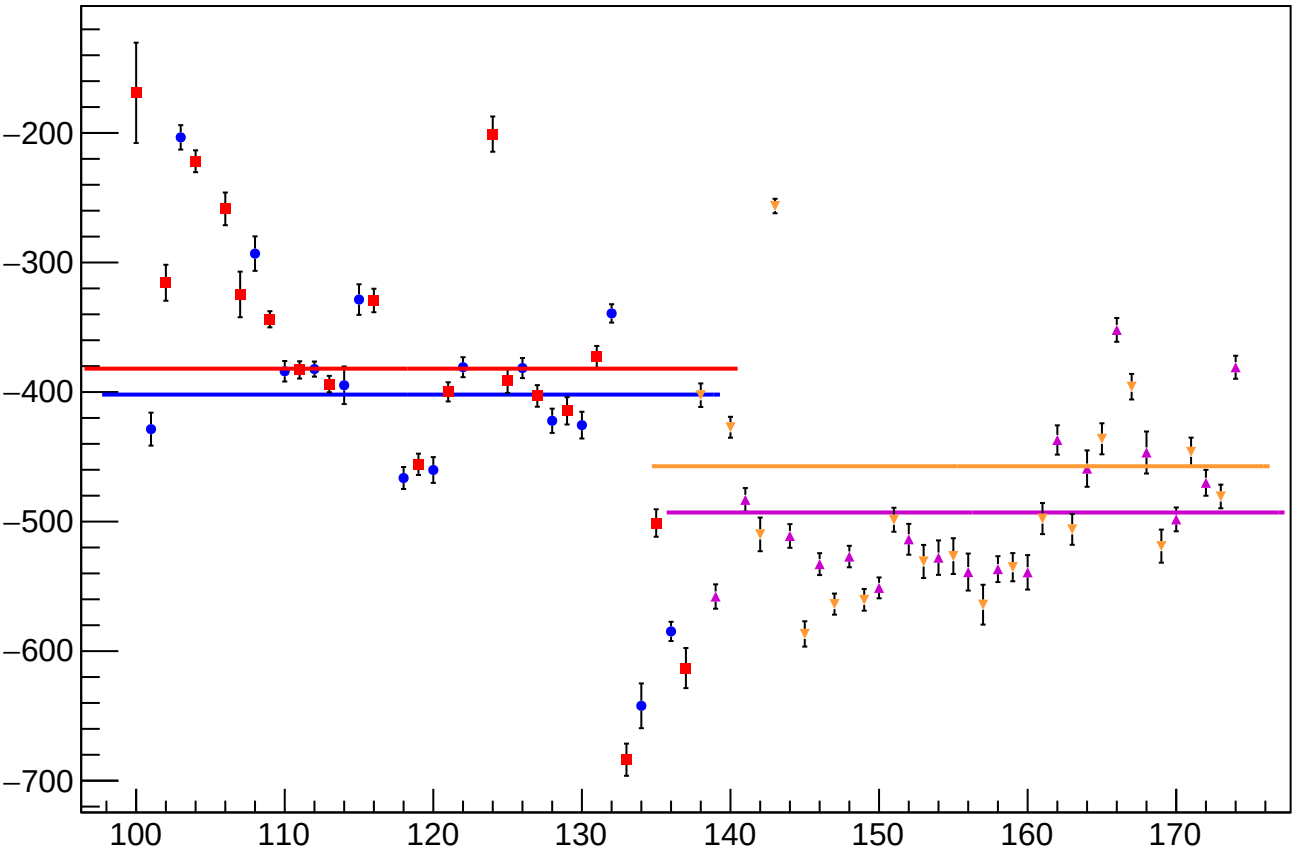
Left: -0.262+/-0.012 χ^2/NDF: 107814.7/36

Right: 5.616+/-0.031 χ^2/NDF: 757263.1/34

In: 0.376+/-0.016 χ^2/NDF:360498.4/33

Out: 0.648+/-0.016 χ^2/NDF:534796.8/37

All: 0.509+/-0.011 χ^2/NDF: 895437.1/71



Right In: -401.961+/-2.236 χ^2/NDF: 1563.3/15

Left Out: -457.264+/-2.244 χ^2/NDF:2135.9/18

Right Out: -381.949+/-2.124 χ^2/NDF: 1817.4/18

Left In: -492.970+/-2.386 χ^2/NDF:635.1/17

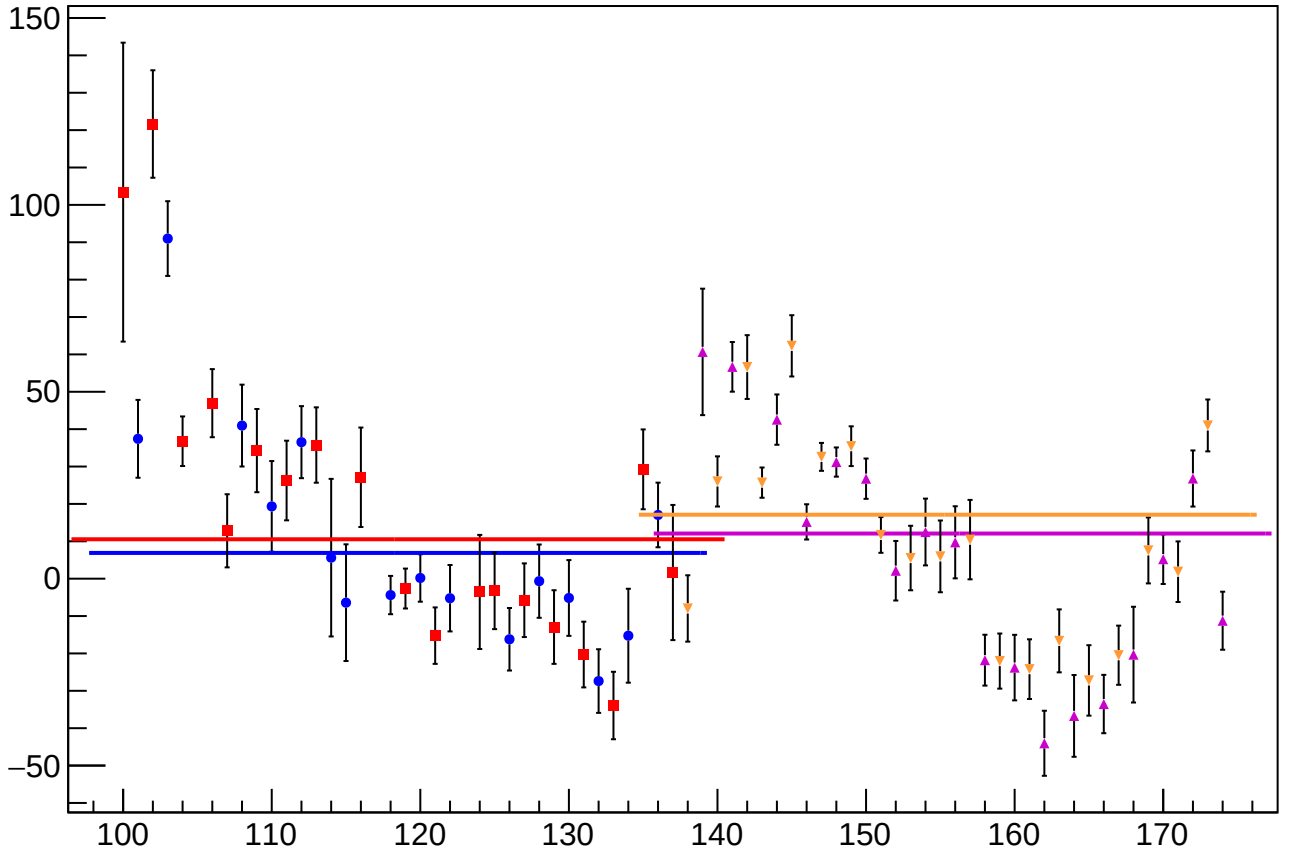
Left: -474.024+/-1.634 χ^2/NDF: 2889.8/36

Right: -391.443+/-1.540 χ^2/NDF: 3422.8/34

In: -444.522+/-1.631 χ^2/NDF:2973.1/33

Out: -417.547+/-1.543 χ^2/NDF:4547.4/37

All: -430.281+/-1.121 χ^2/NDF: 7664.8/71



Right In: 6.889+/-2.264 χ^2/NDF: 138.4/15

Left Out: 17.113+/-1.520 χ^2/NDF:232.2/18

Right Out: 10.544+/-2.197 χ^2/NDF: 180.0/18

Left In: 12.077+/-1.649 χ^2/NDF:264.8/17

Left: 14.799+/-1.118 χ^2/NDF: 502.0/36

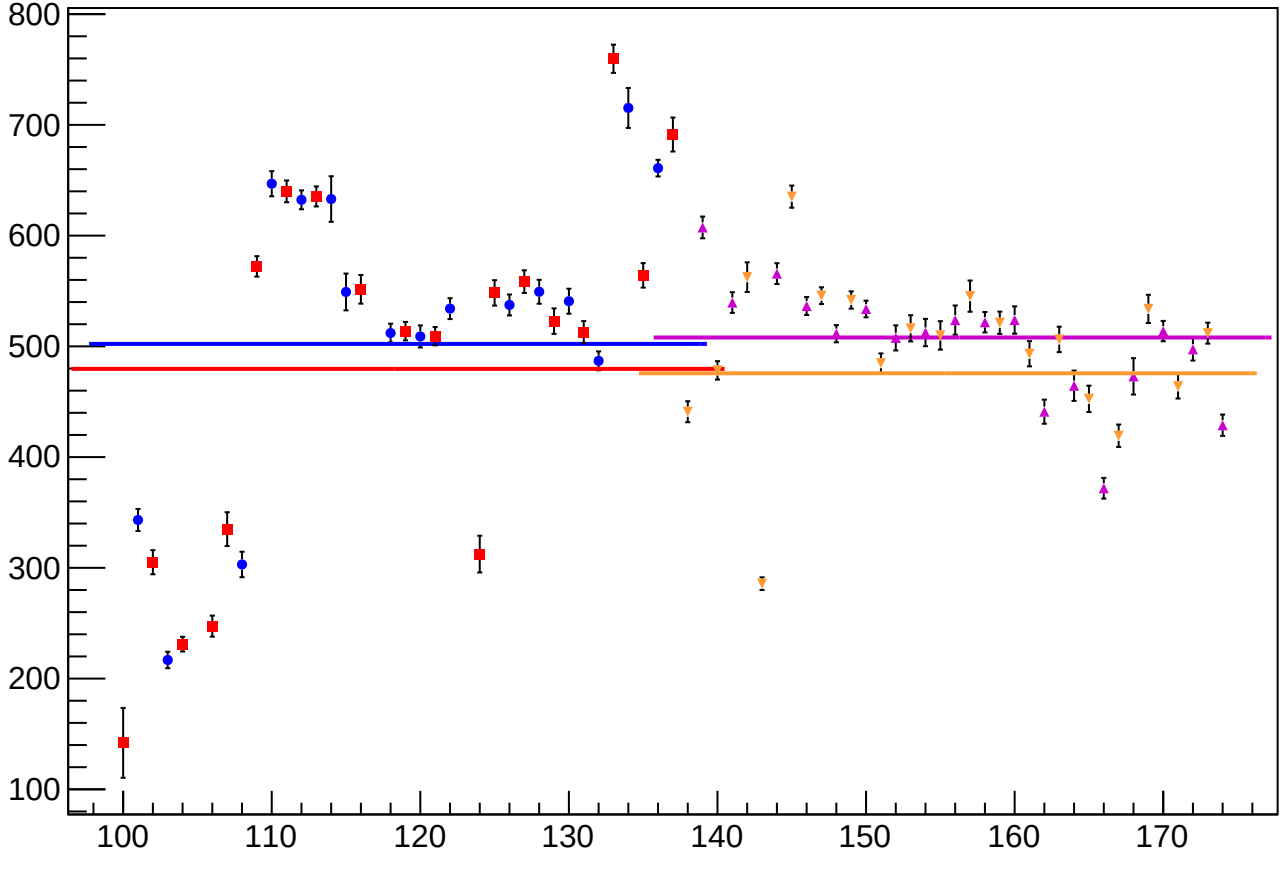
Right: 8.772+/-1.577 χ^2/NDF: 319.8/34

In: 10.279+/-1.333 χ^2/NDF:406.7/33

Out: 14.986+/-1.250 χ^2/NDF:418.3/37

All: 12.783+/-0.912 χ^2/NDF: 831.5/71

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 502.213+/-2.493 χ^2/NDF: 3135.2/15

Left Out: 475.689+/-2.215 χ^2/NDF:1705.3/18

Right Out: 479.679+/-2.399 χ^2/NDF: 4138.5/18

Left In: 508.005+/-2.341 χ^2/NDF:515.8/17

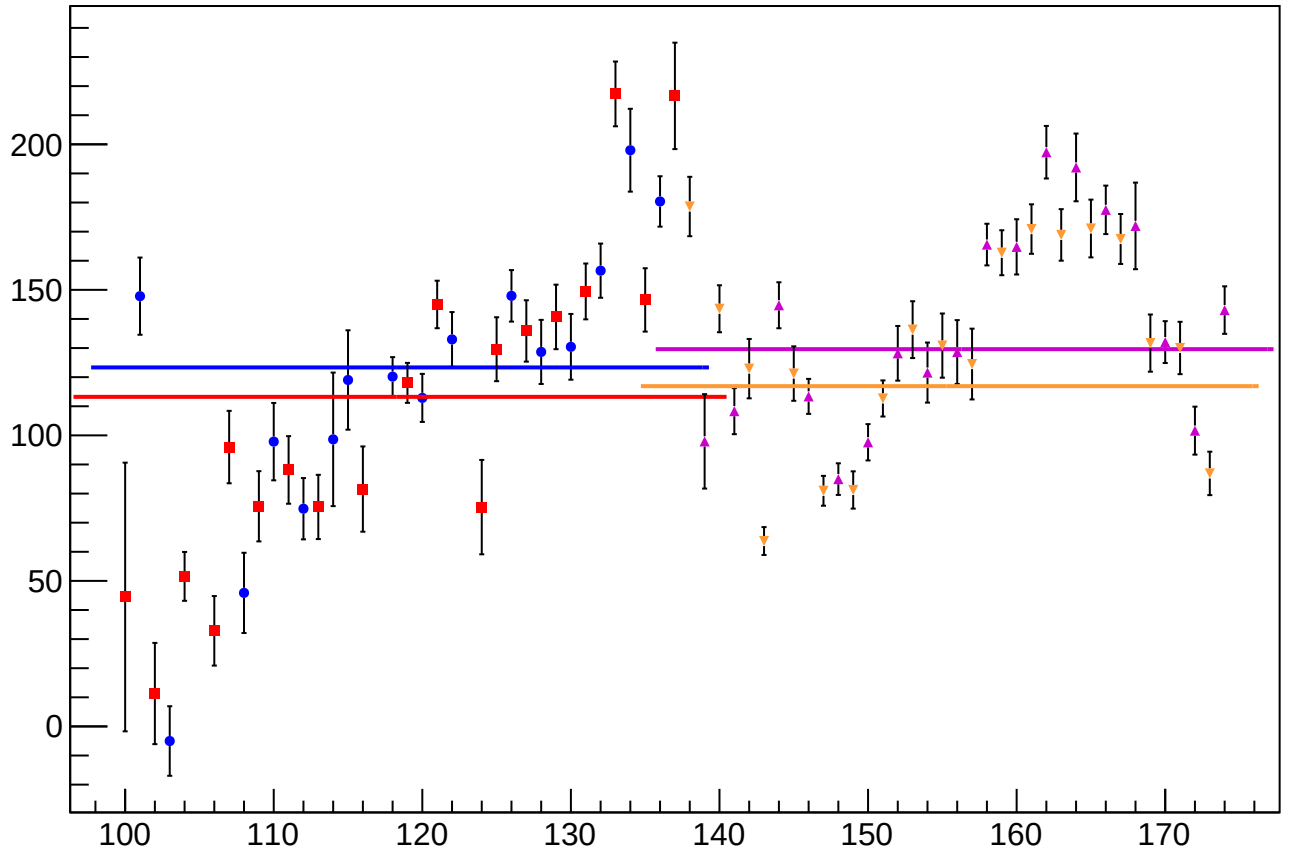
Left: 490.949+/-1.609 χ^2/NDF: 2321.7/36

Right: 490.515+/-1.729 χ^2/NDF: 7316.1/34

In: 505.290+/-1.707 χ^2/NDF:3653.8/33

Out: 477.525+/-1.627 χ^2/NDF:5845.3/37

All: 490.747+/-1.178 χ^2/NDF: 9637.8/71



Right In: 123.344+/-2.627 χ^2/NDF: 271.4/15

Left Out: 116.909+/-1.792 χ^2/NDF:453.1/18

Right Out: 113.235+/-2.545 χ^2/NDF: 345.8/18

Left In: 129.621+/-1.923 χ^2/NDF:295.9/17

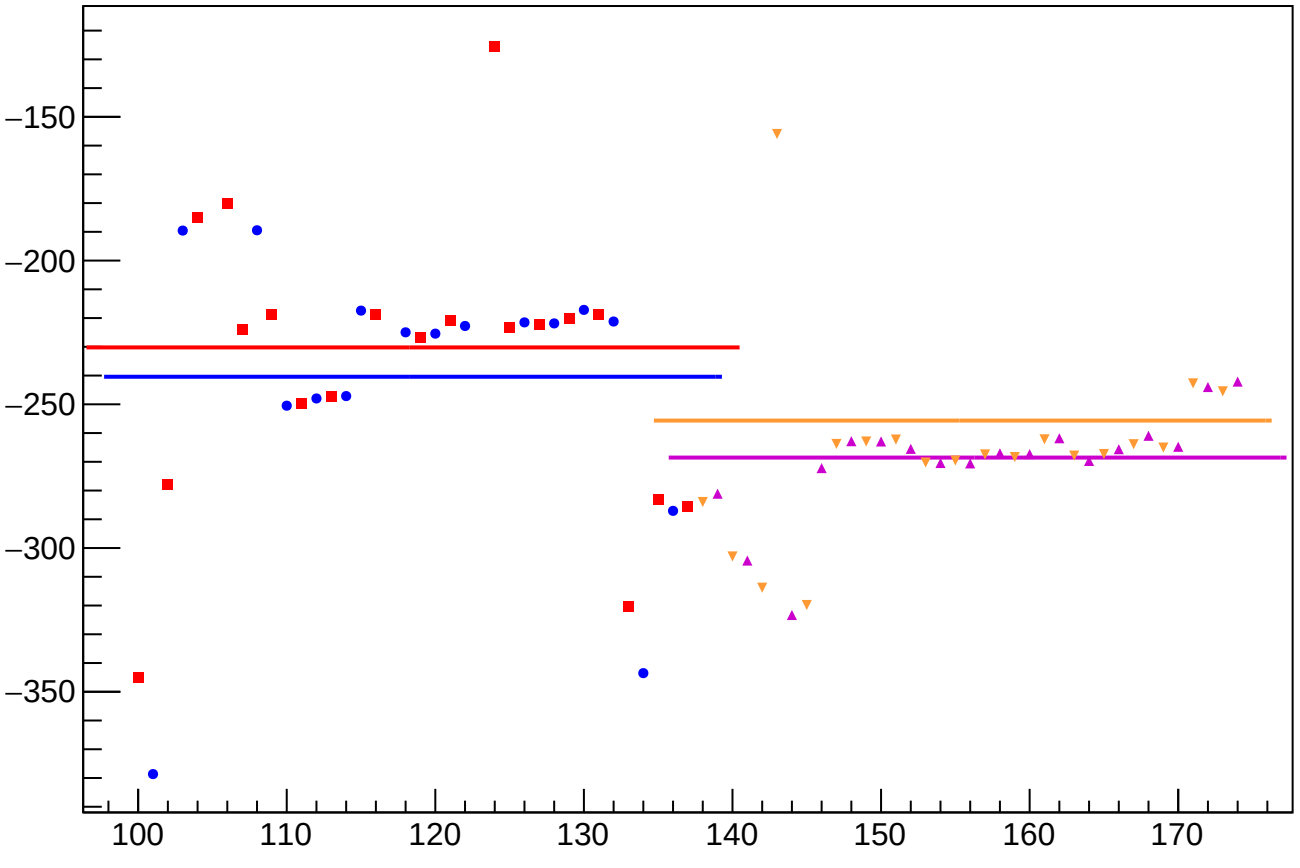
Left: 122.818+/-1.311 χ^2/NDF: 772.4/36

Right: 118.129+/-1.828 χ^2/NDF: 624.8/34

In: 127.431+/-1.552 χ^2/NDF:570.9/33

Out: 115.691+/-1.465 χ^2/NDF:800.3/37

All: 121.225+/-1.065 χ^2/NDF: 1401.5/71



Right In: -240.411+/-0.151 χ^2/NDF: 134152.1/15

Left Out: -255.655+/-0.085 χ^2/NDF:243223.1/18

Right Out: -230.207+/-0.146 χ^2/NDF: 83431.4/18

Left In: -268.531+/-0.088 χ^2/NDF:39563.7/17

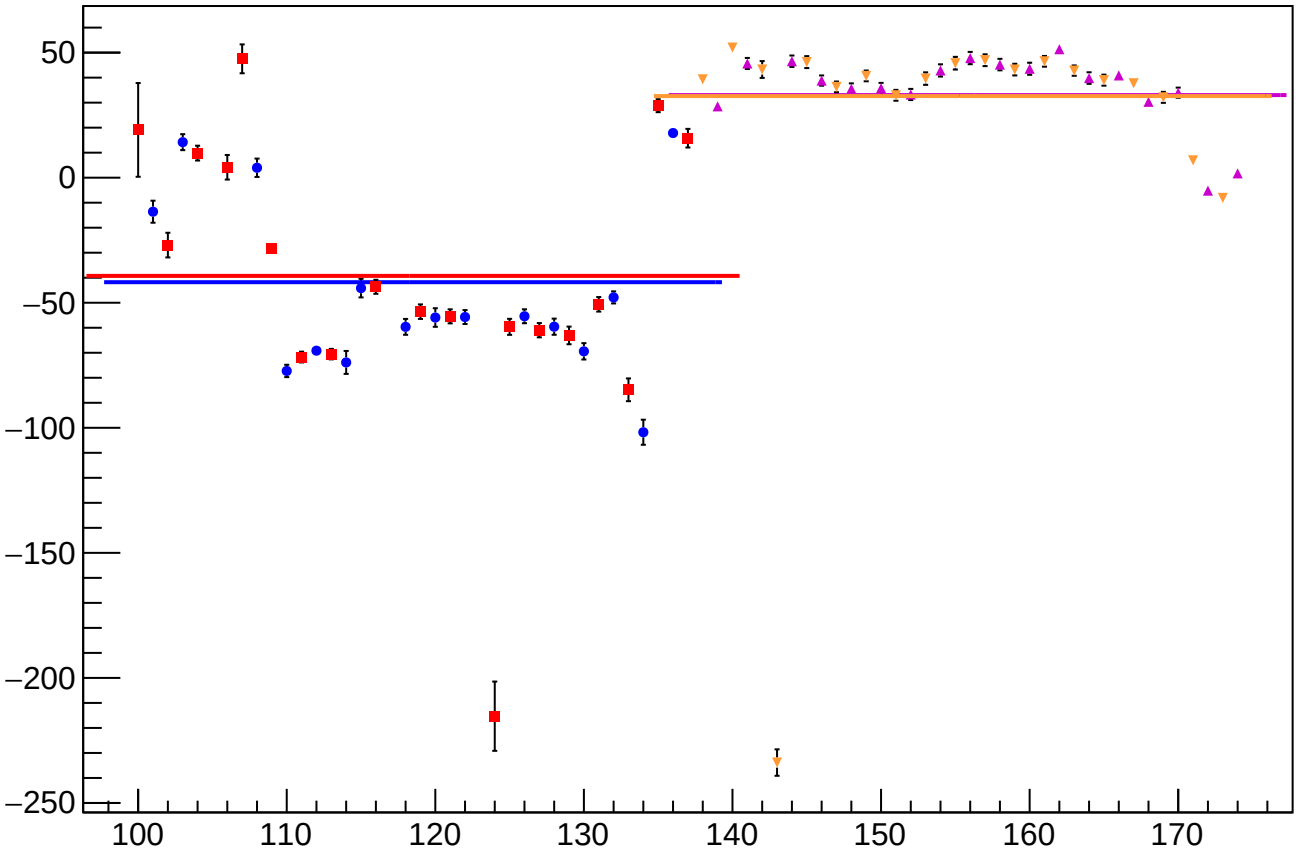
Left: -261.883+/-0.061 χ^2/NDF: 293802.7/36

Right: -235.167+/-0.105 χ^2/NDF: 219942.1/34

In: -261.357+/-0.076 χ^2/NDF:199679.2/33

Out: -249.209+/-0.074 χ^2/NDF:349186.6/37

All: -255.092+/-0.053 χ^2/NDF: 562013.1/71



Right In: -41.788+/-0.723 χ^2/NDF: 2405.5/15

Left Out: 32.624+/-0.508 χ^2/NDF:3543.6/18

Right Out: -39.263+/-0.680 χ^2/NDF: 2478.3/18

Left In: 33.018+/-0.493 χ^2/NDF:1082.0/17

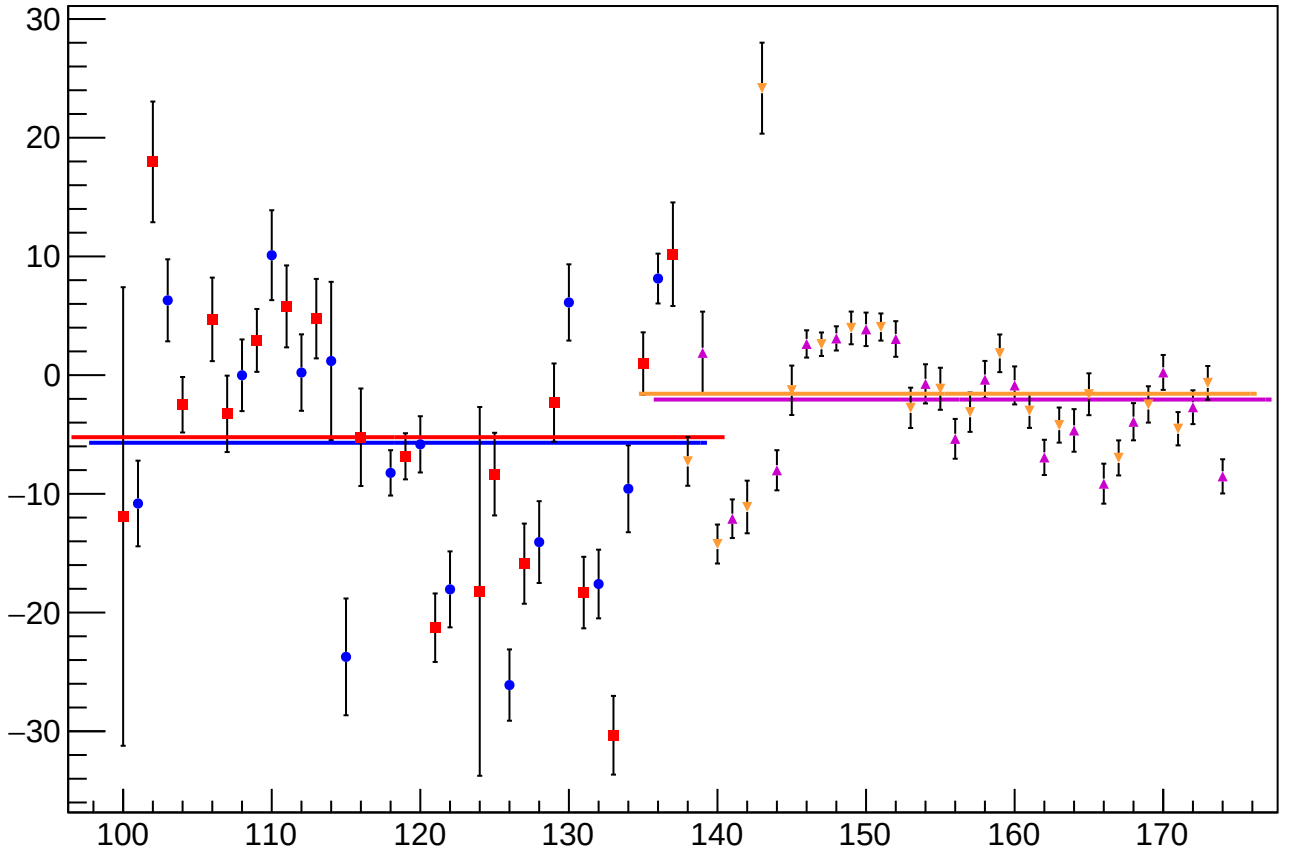
Left: 32.827+/-0.354 χ^2/NDF: 4625.9/36

Right: -40.447+/-0.495 χ^2/NDF: 4890.2/34

In: 9.262+/-0.408 χ^2/NDF:10790.5/33

Out: 6.833+/-0.407 χ^2/NDF:13195.8/37

All: 8.046+/-0.288 χ^2/NDF: 24004.1/71



Right In: -5.697+/-0.753 χ^2/NDF: 196.7/15

Left Out: -1.567+/-0.354 χ^2/NDF:217.7/18

Right Out: -5.227+/-0.740 χ^2/NDF: 197.3/18

Left In: -2.057+/-0.355 χ^2/NDF:184.1/17

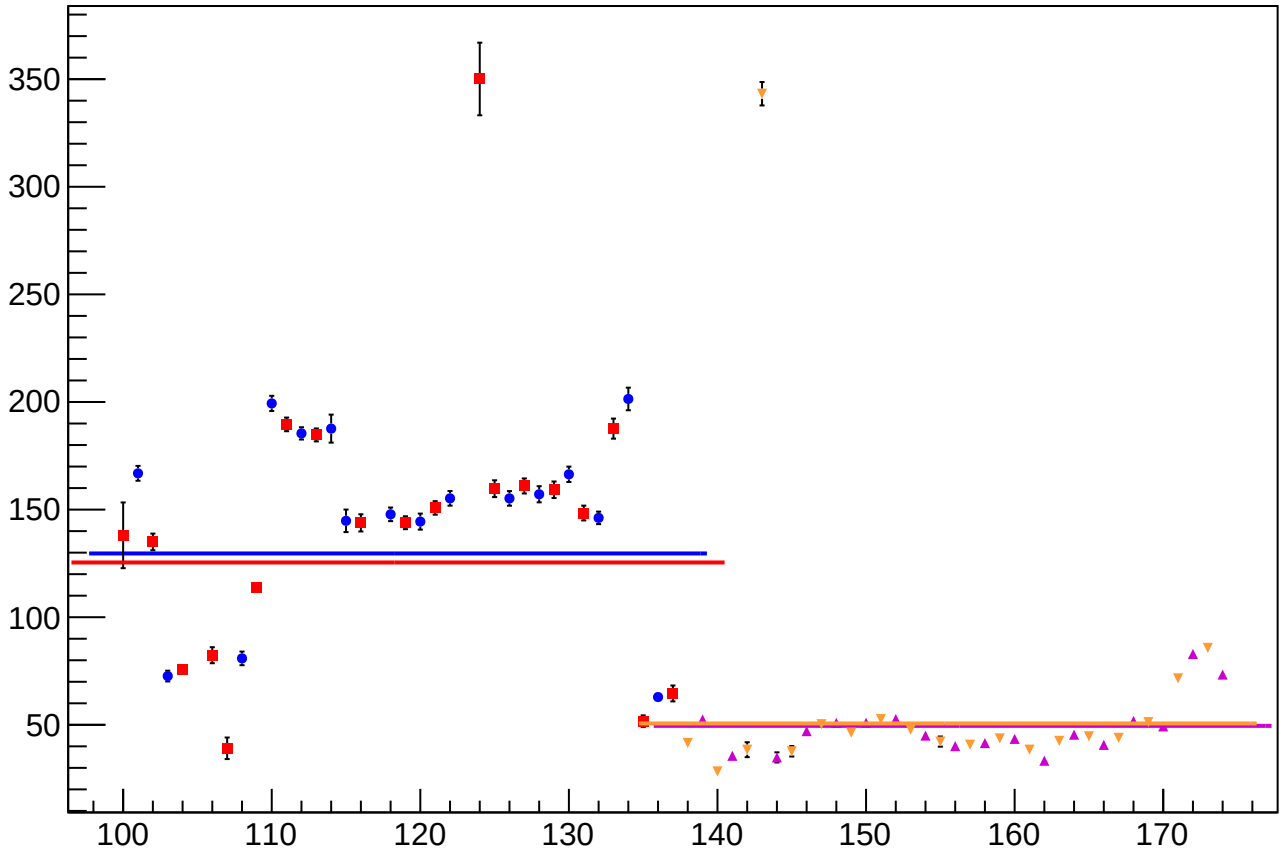
Left: -1.812+/-0.250 χ^2/NDF: 402.8/36

Right: -5.458+/-0.528 χ^2/NDF: 394.3/34

In: -2.718+/-0.321 χ^2/NDF:399.9/33

Out: -2.248+/-0.319 χ^2/NDF:435.0/37

All: -2.482+/-0.226 χ^2/NDF: 836.0/71



Right In: 129.621+/-0.801 χ^2/NDF: 3624.4/15

Left Out: 50.639+/-0.498 χ^2/NDF:3650.8/18

Right Out: 125.435+/-0.790 χ^2/NDF: 3503.2/18

Left In: 49.523+/-0.486 χ^2/NDF:711.3/17

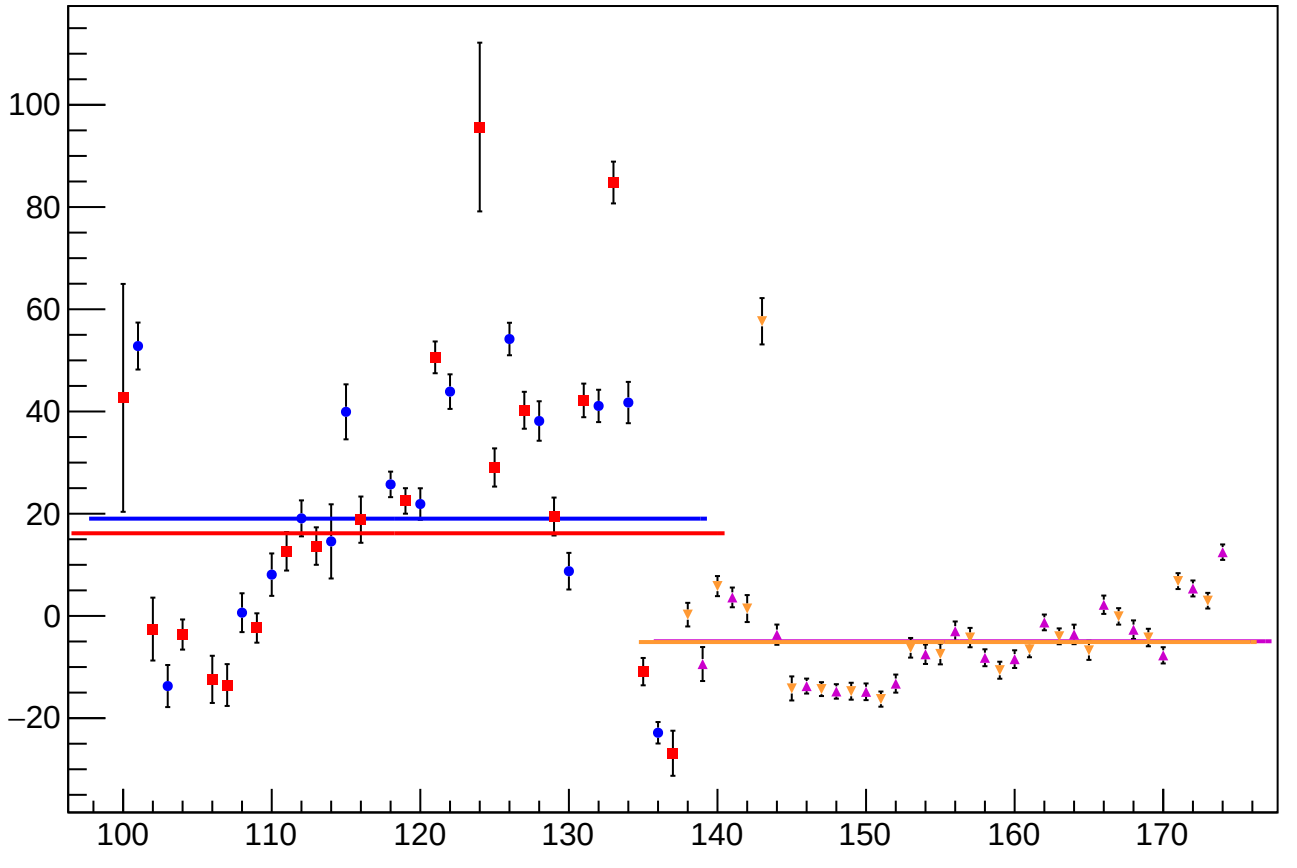
Left: 50.067+/-0.348 χ^2/NDF: 4364.7/36

Right: 127.500+/-0.562 χ^2/NDF: 7141.4/34

In: 71.074+/-0.415 χ^2/NDF:11651.6/33

Out: 71.945+/-0.422 χ^2/NDF:13567.7/37

All: 71.503+/-0.296 χ^2/NDF: 25221.5/71



Right In: 19.035+/-0.860 χ^2/NDF: 858.1/15

Left Out: -5.109+/-0.407 χ^2/NDF:497.3/18

Right Out: 16.173+/-0.846 χ^2/NDF: 941.3/18

Left In: -4.956+/-0.406 χ^2/NDF:378.6/17

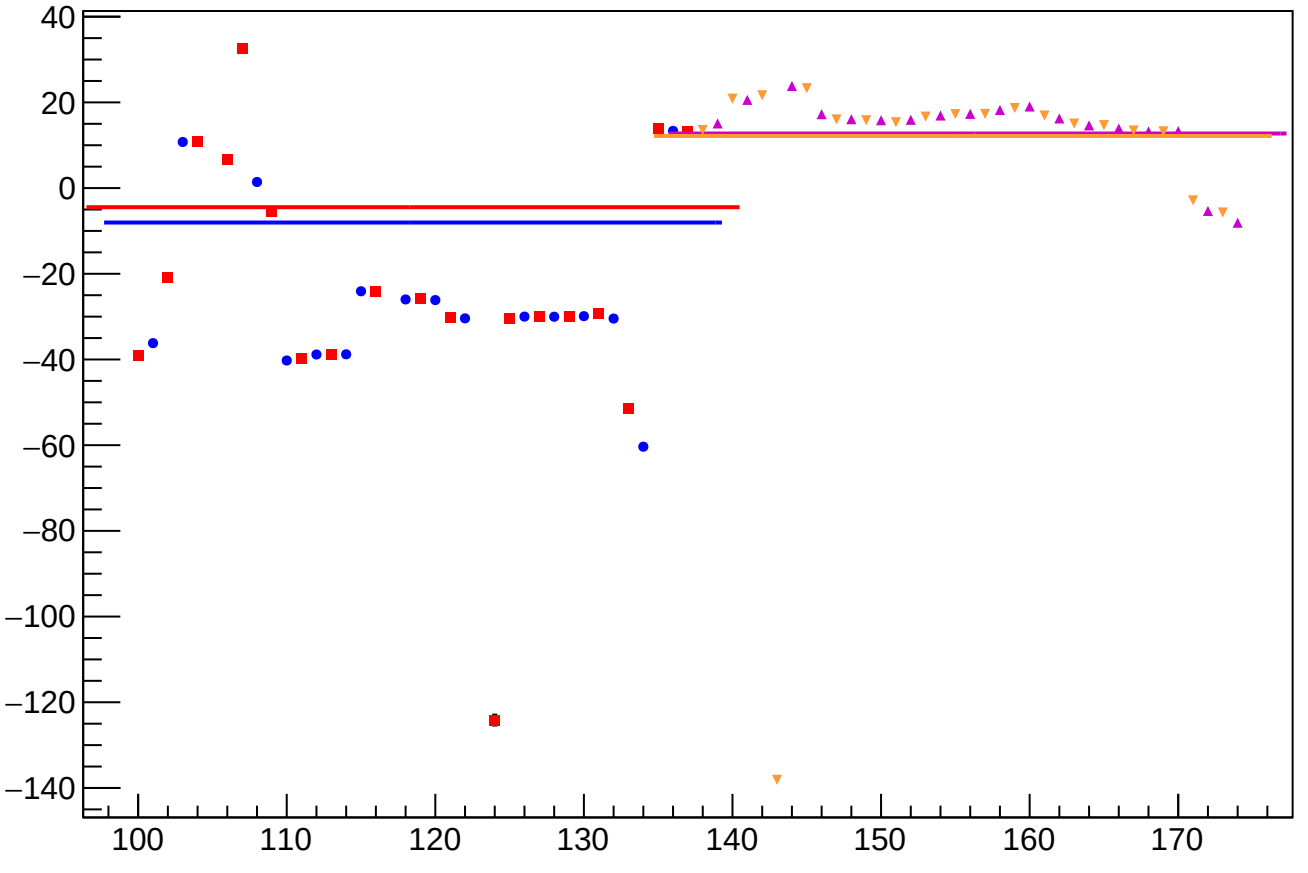
Left: -5.032+/-0.287 χ^2/NDF: 876.0/36

Right: 17.581+/-0.603 χ^2/NDF: 1804.9/34

In: -0.589+/-0.367 χ^2/NDF:1873.4/33

Out: -1.105+/-0.367 χ^2/NDF:1952.4/37

All: -0.847+/-0.259 χ^2/NDF: 3826.8/71



Right In: -8.038+/-0.046 χ^2/NDF: 267883.6/15

Left Out: 12.164+/-0.018 χ^2/NDF:625900.1/18

Right Out: -4.461+/-0.047 χ^2/NDF: 228422.2/18

Left In: 12.738+/-0.018 χ^2/NDF:236787.6/17

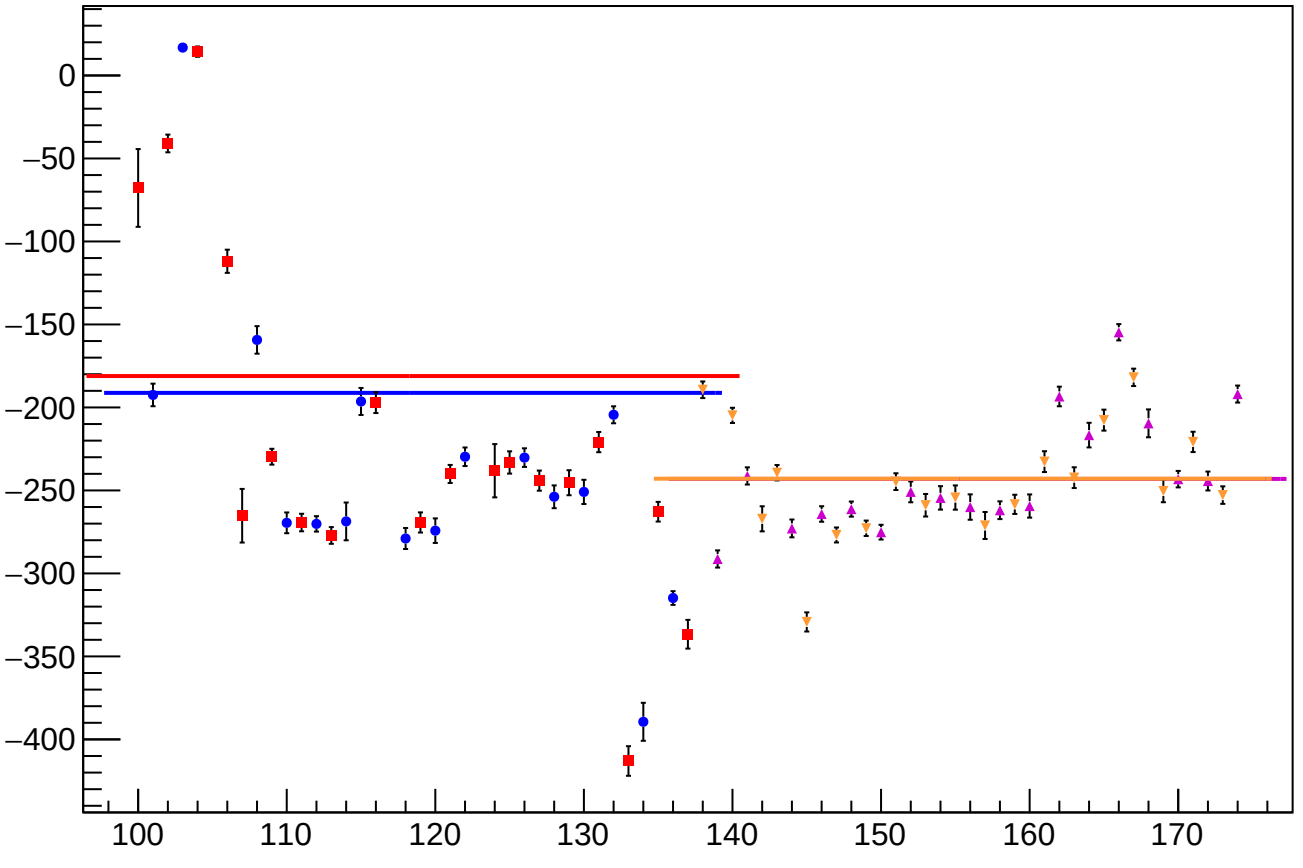
Left: 12.459+/-0.013 χ^2/NDF: 863188.3/36

Right: -6.287+/-0.033 χ^2/NDF: 499287.4/34

In: 9.997+/-0.017 χ^2/NDF:683075.6/33

Out: 9.939+/-0.017 χ^2/NDF:963629.9/37

All: 9.969+/-0.012 χ^2/NDF: 1646711.4/71



Right In: -191.225+/-1.419 χ^2/NDF: 7224.7/15

Left Out: -242.934+/-1.292 χ^2/NDF:731.3/18

Right Out: -181.080+/-1.383 χ^2/NDF: 7374.0/18

Left In: -243.063+/-1.309 χ^2/NDF:755.7/17

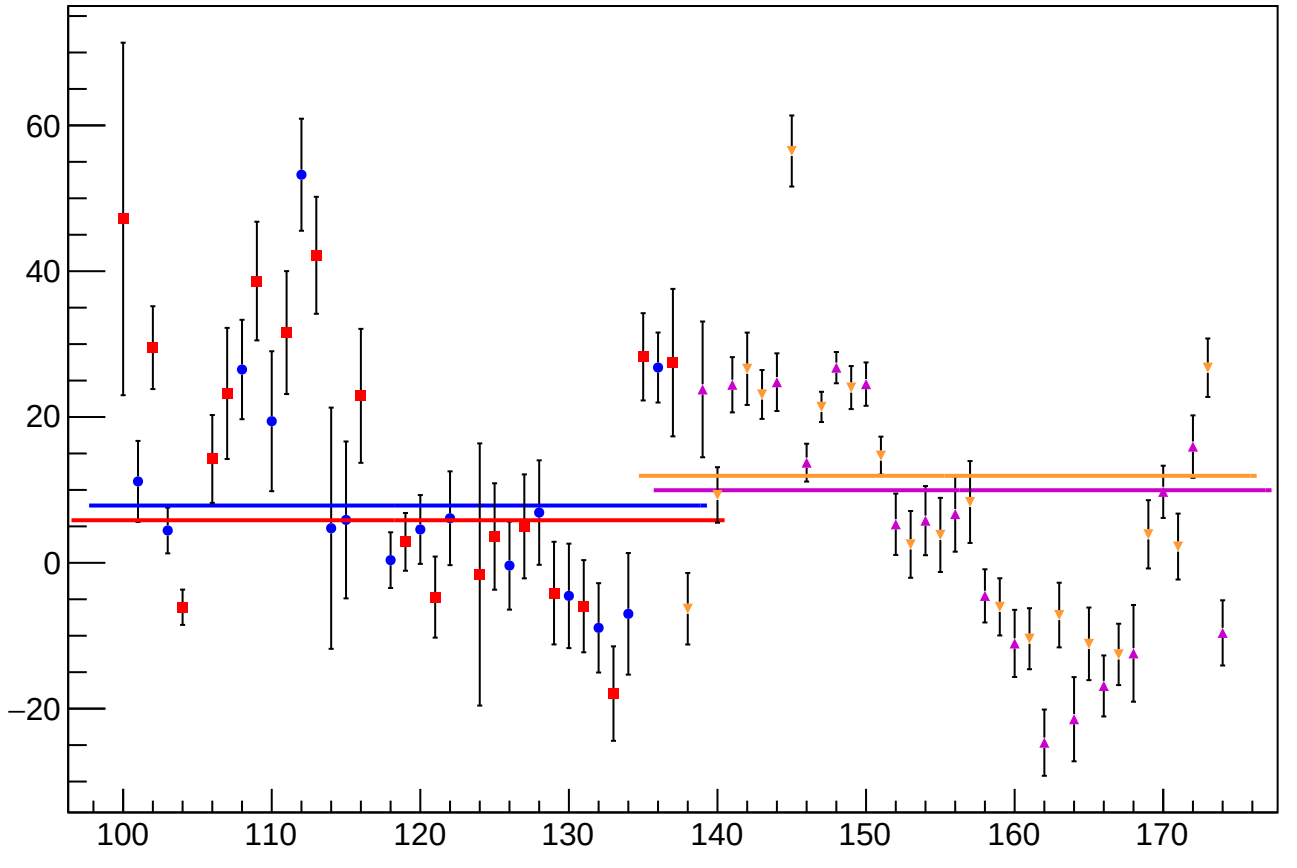
Left: -242.998+/-0.920 χ^2/NDF: 1486.9/36

Right: -186.022+/-0.990 χ^2/NDF: 14624.9/34

In: -219.224+/-0.962 χ^2/NDF:8701.6/33

Out: -214.094+/-0.944 χ^2/NDF:9173.6/37

All: -216.610+/-0.674 χ^2/NDF: 17889.7/71



Right In: 7.859+/-1.438 χ^2/NDF: 80.9/15

Left Out: 11.935+/-0.870 χ^2/NDF:308.1/18

Right Out: 5.839+/-1.355 χ^2/NDF: 141.9/18

Left In: 9.957+/-0.903 χ^2/NDF:318.6/17

Left: 10.983+/-0.627 χ^2/NDF: 629.2/36

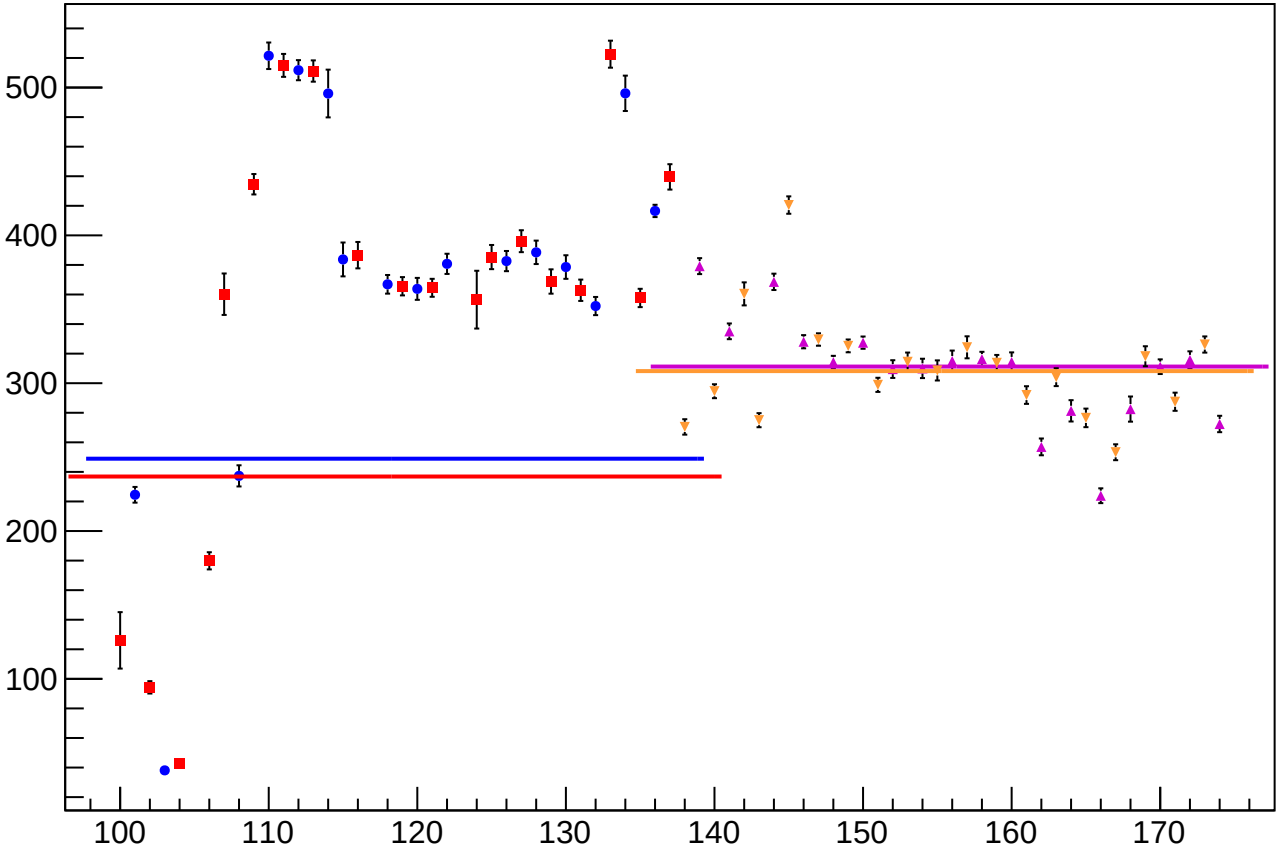
Right: 6.789+/-0.986 χ^2/NDF: 223.8/34

In: 9.363+/-0.765 χ^2/NDF:401.1/33

Out: 10.156+/-0.732 χ^2/NDF:464.3/37

All: 9.777+/-0.529 χ^2/NDF: 865.9/71

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 248.932+/-1.422 χ^2/NDF: 15302.2/15

Left Out: 308.186+/-1.268 χ^2/NDF:732.1/18

Right Out: 236.871+/-1.407 χ^2/NDF: 15657.3/18

Left In: 311.252+/-1.282 χ^2/NDF:791.4/17

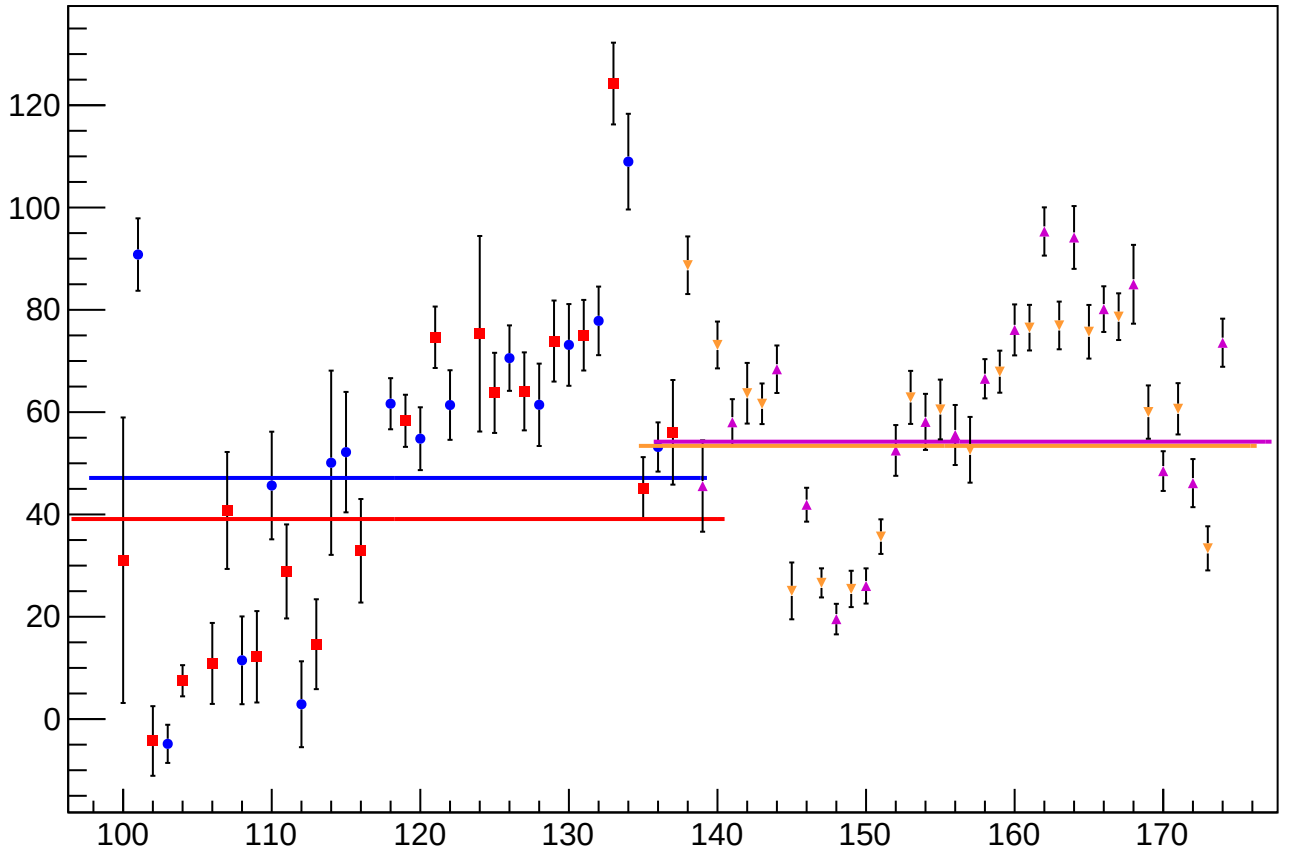
Left: 309.702+/-0.902 χ^2/NDF: 1526.4/36

Right: 242.838+/-1.000 χ^2/NDF: 30995.9/34

In: 283.297+/-0.952 χ^2/NDF:17153.2/33

Out: 276.205+/-0.942 χ^2/NDF:17807.0/37

All: 279.713+/-0.670 χ^2/NDF: 34988.2/71



Right In: 47.137+/-1.668 χ^2/NDF: 385.3/15

Left Out: 53.406+/-1.023 χ^2/NDF:413.0/18

Right Out: 39.105+/-1.596 χ^2/NDF: 416.5/18

Left In: 54.227+/-1.053 χ^2/NDF:447.1/17

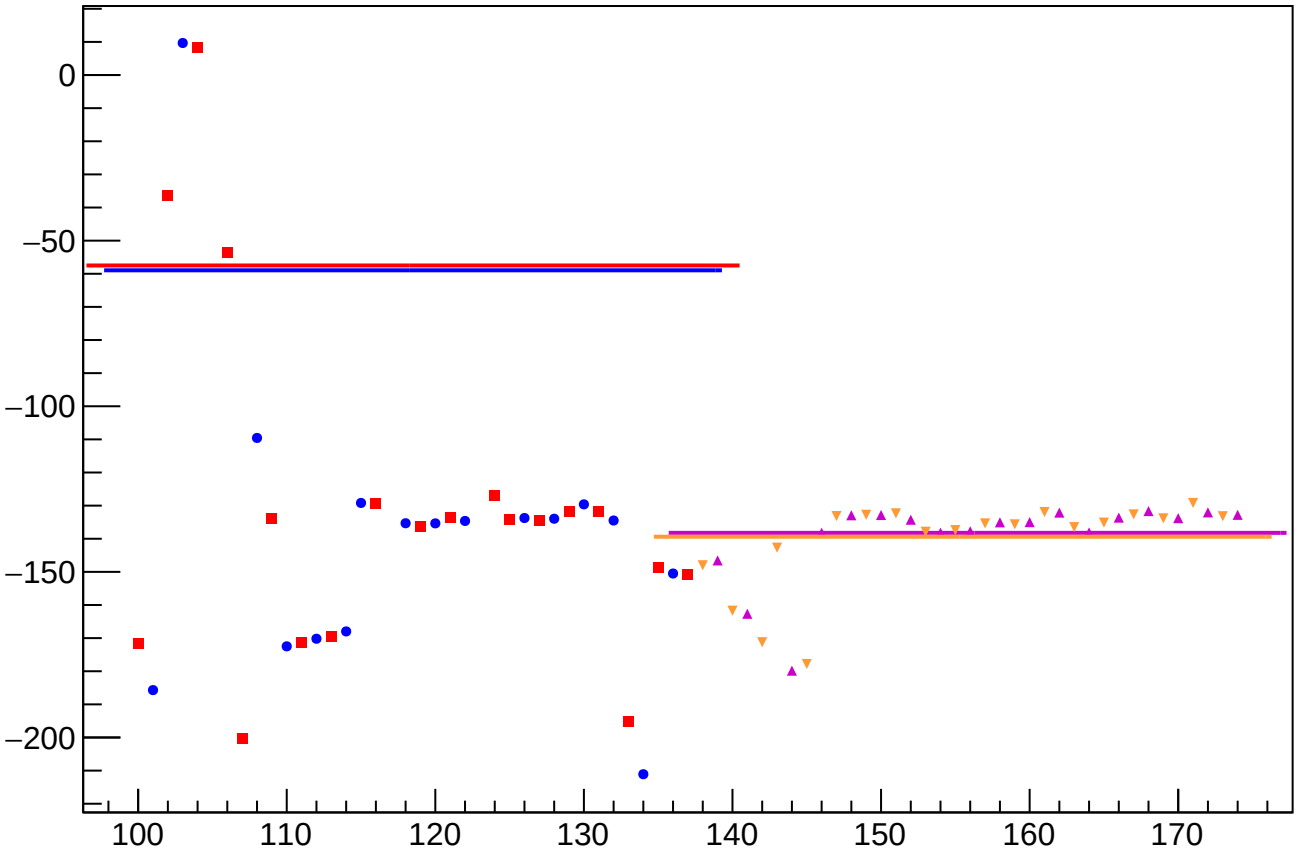
Left: 53.805+/-0.734 χ^2/NDF: 860.4/36

Right: 42.944+/-1.153 χ^2/NDF: 813.9/34

In: 52.207+/-0.890 χ^2/NDF:845.4/33

Out: 49.238+/-0.862 χ^2/NDF:886.3/37

All: 50.674+/-0.619 χ^2/NDF: 1737.4/71



Right In: -58.956+/-0.073 χ^2/NDF: 1227079.0/15

Left Out: -139.384+/-0.048 χ^2/NDF:61898.4/18

Right Out: -57.497+/-0.074 χ^2/NDF: 871305.9/18

Left In: -138.219+/-0.048 χ^2/NDF:49730.8/17

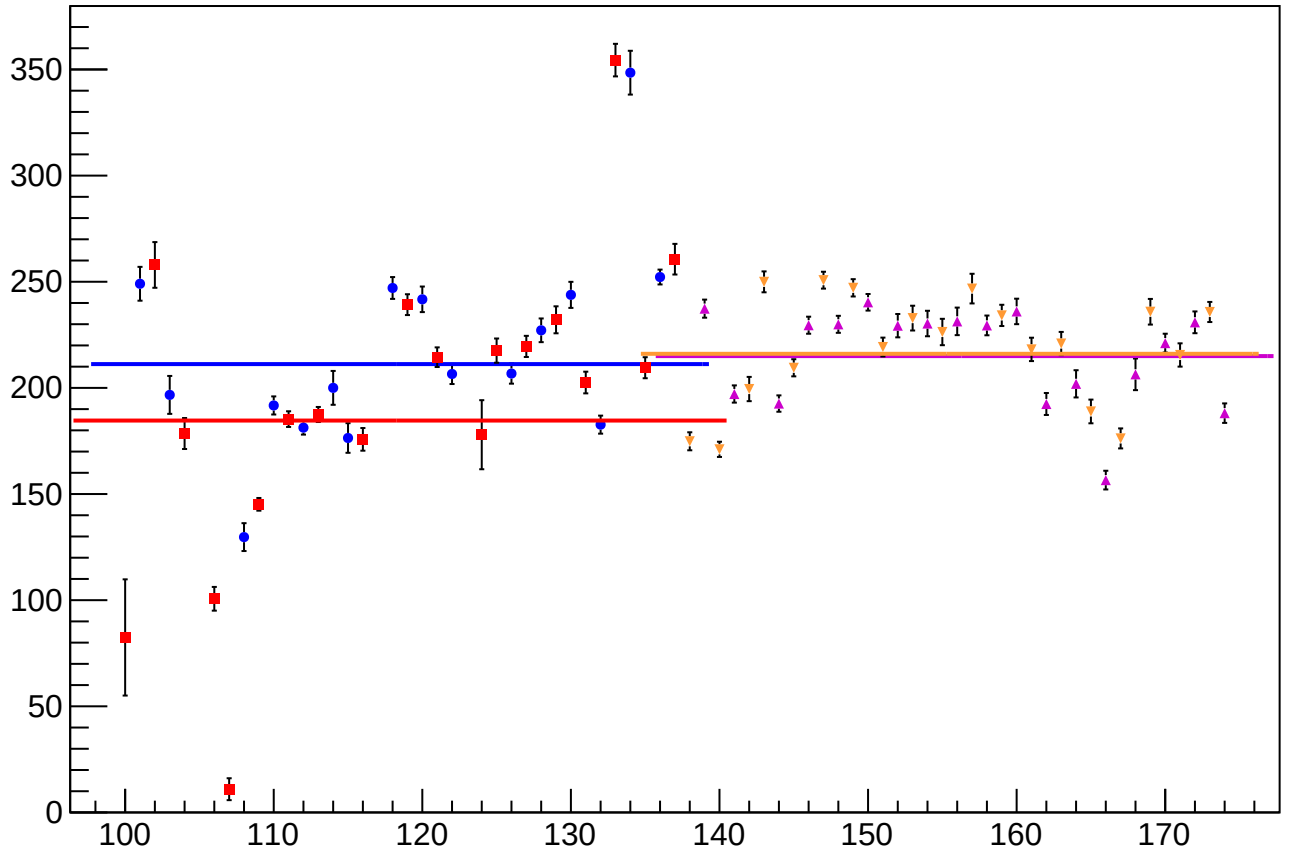
Left: -138.799+/-0.034 χ^2/NDF: 111920.8/36

Right: -58.243+/-0.052 χ^2/NDF: 2098582.3/34

In: -114.011+/-0.040 χ^2/NDF:2104586.7/33

Out: -114.987+/-0.041 χ^2/NDF:1786864.9/37

All: -114.494+/-0.029 χ^2/NDF: 3891744.3/71



Right In: 211.210+/-1.296 χ^2/NDF: 783.0/15

Left Out: 216.056+/-1.114 χ^2/NDF:612.9/18

Right Out: 184.614+/-1.194 χ^2/NDF: 2540.4/18

Left In: 214.976+/-1.118 χ^2/NDF:437.5/17

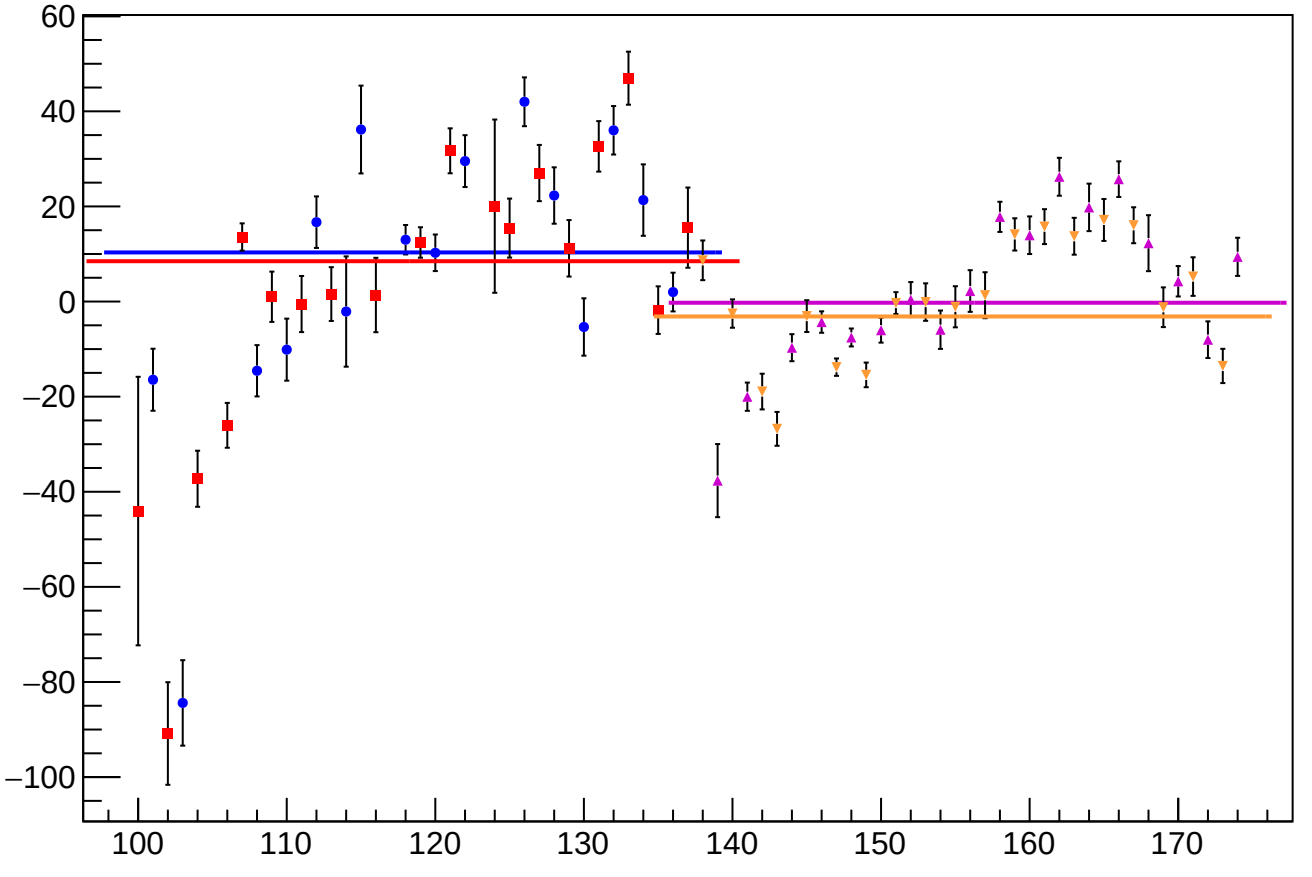
Left: 215.518+/-0.789 χ^2/NDF: 1050.8/36

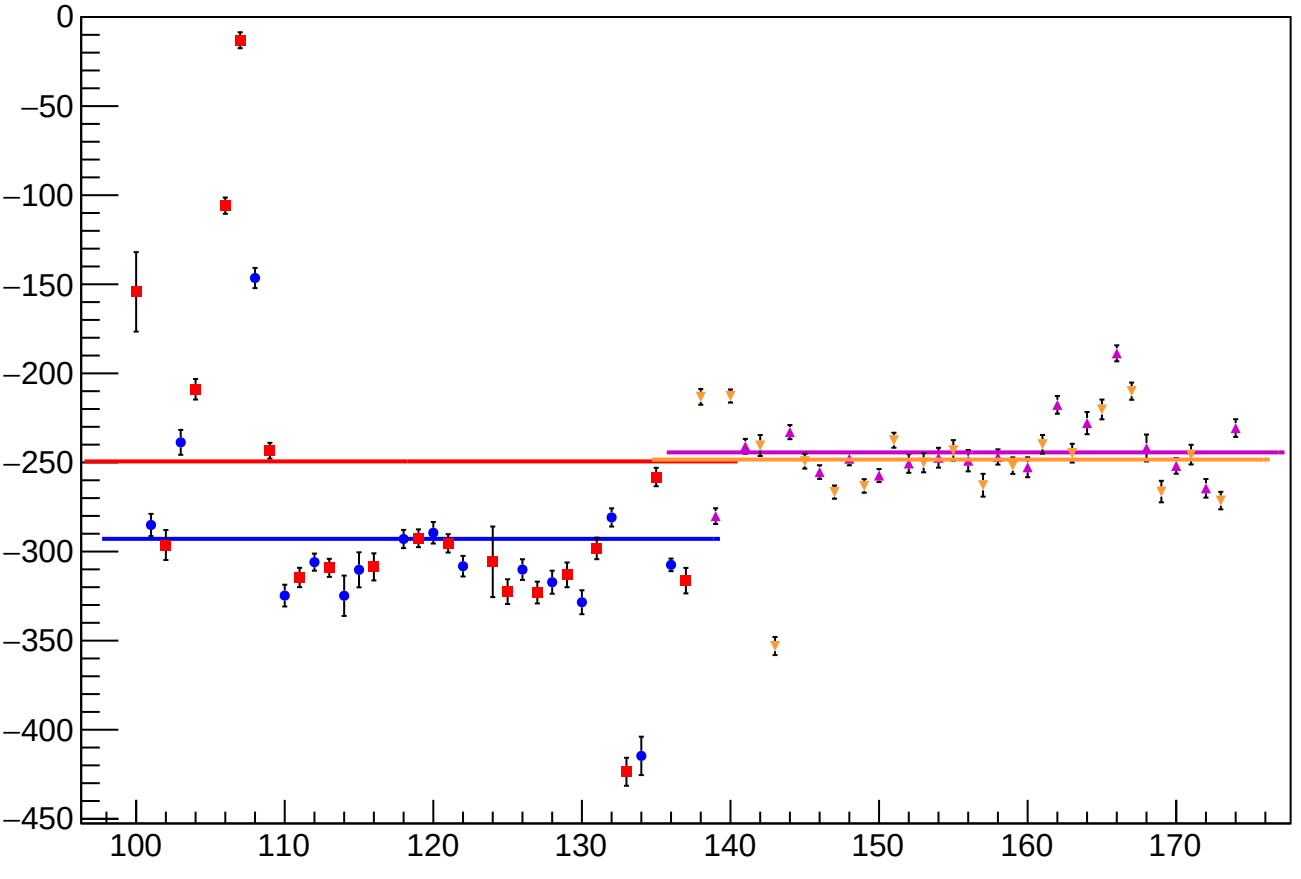
Right: 196.825+/-0.878 χ^2/NDF: 3551.2/34

In: 213.368+/-0.847 χ^2/NDF:1225.3/33

Out: 201.420+/-0.815 χ^2/NDF:3524.0/37

All: 207.163+/-0.587 χ^2/NDF: 4852.7/71


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: -3.137+/-0.755 χ²/NDF:260.5/18
Right Out: 8.480+/-1.225 χ²/NDF: 322.3/18
Left In: -0.254+/-0.777 χ²/NDF:274.3/17
Left: -1.735+/-0.542 χ²/NDF: 542.0/36
Right: 9.326+/-0.902 χ²/NDF: 586.7/34
In: 2.430+/-0.671 χ²/NDF:584.7/33
Out: 0.064+/-0.643 χ²/NDF:648.1/37
All: 1.196+/-0.464 χ²/NDF: 1239.2/71



Right In: -292.872+/-1.467 χ^2/NDF: 983.5/15

Left Out: -248.376+/-1.095 χ^2/NDF:761.6/18

Right Out: -249.407+/-1.369 χ^2/NDF: 5368.5/18

Left In: -244.352+/-1.097 χ^2/NDF:314.9/17

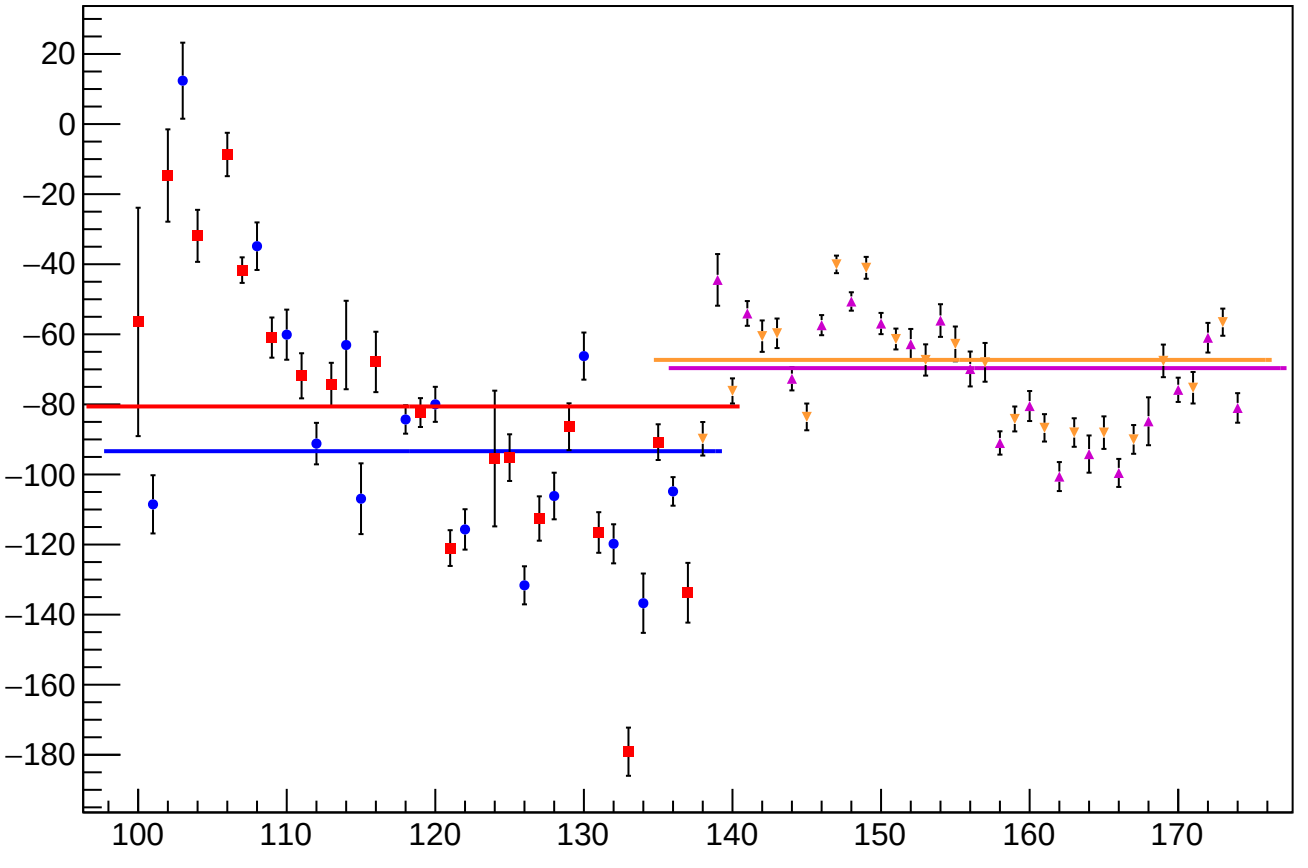
Left: -246.368+/-0.775 χ^2/NDF: 1083.3/36

Right: -269.627+/-1.001 χ^2/NDF: 6821.1/34

In: -261.754+/-0.879 χ^2/NDF:1999.5/33

Out: -248.779+/-0.855 χ^2/NDF:6130.5/37

All: -255.089+/-0.613 χ^2/NDF: 8241.9/71



Right In: -93.357+/-1.534 χ^2/NDF: 355.3/15

Left Out: -67.303+/-0.888 χ^2/NDF:380.6/18

Right Out: -80.592+/-1.424 χ^2/NDF: 715.3/18

Left In: -69.651+/-0.905 χ^2/NDF:331.6/17

Left: -68.455+/-0.634 χ^2/NDF: 715.6/36

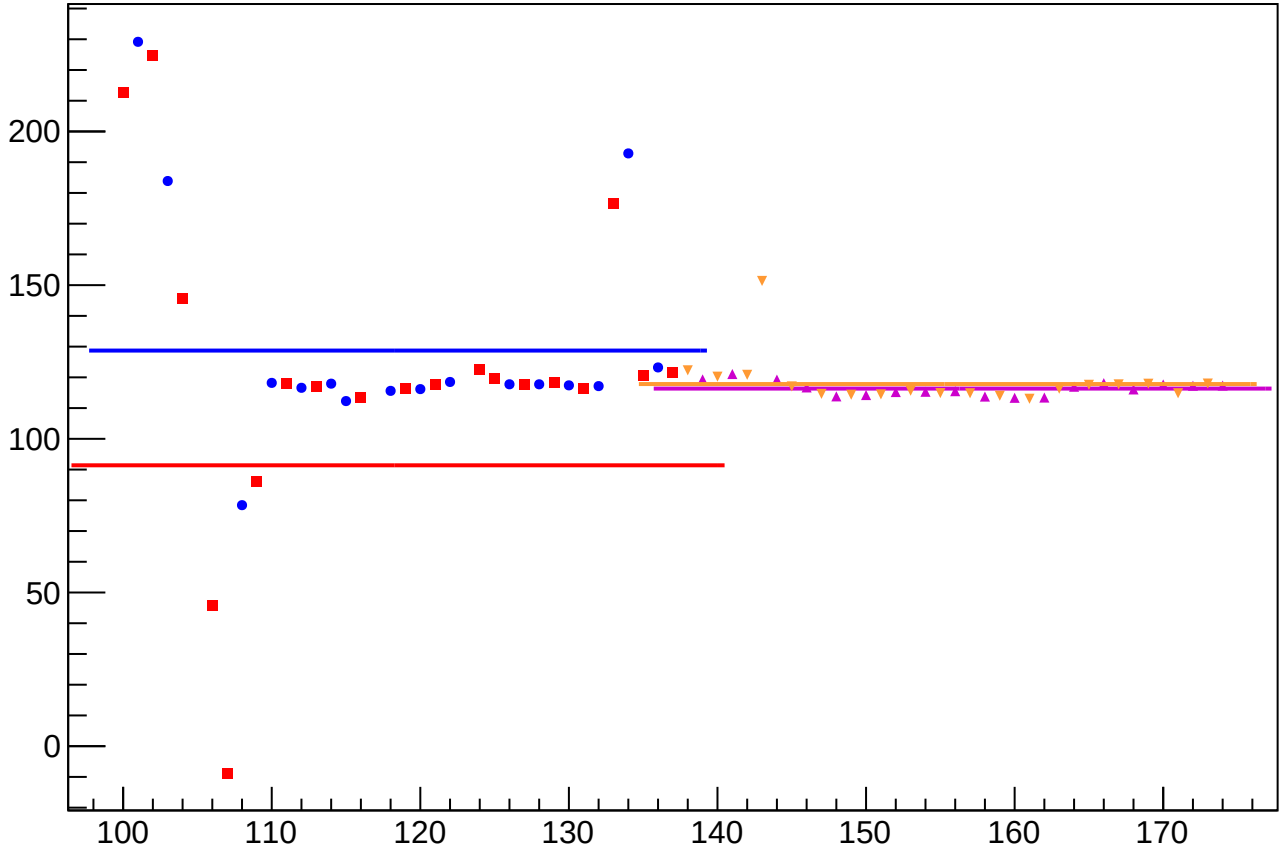
Right: -86.499+/-1.044 χ^2/NDF: 1107.8/34

In: -75.769+/-0.779 χ^2/NDF:864.0/33

Out: -71.025+/-0.754 χ^2/NDF:1158.6/37

All: -73.317+/-0.542 χ^2/NDF: 2041.7/71

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 128.715+/-0.089 χ^2/NDF: 183522.8/15

Left Out: 117.822+/-0.042 χ^2/NDF:29681.0/18

Right Out: 91.385+/-0.079 χ^2/NDF: 604912.4/18

Left In: 116.345+/-0.041 χ^2/NDF:2988.7/17

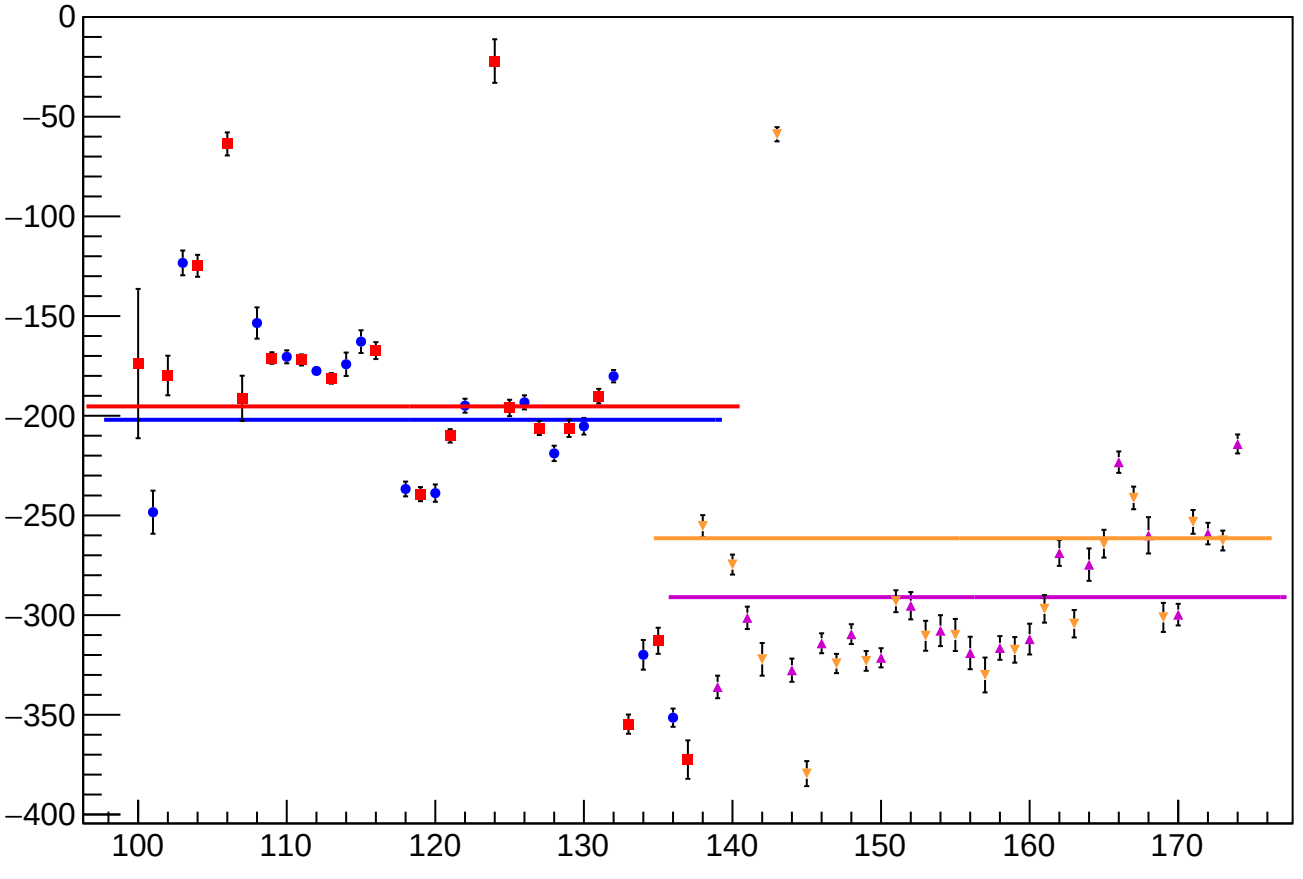
Left: 117.075+/-0.029 χ^2/NDF: 33299.5/36

Right: 107.821+/-0.059 χ^2/NDF: 886599.9/34

In: 118.539+/-0.038 χ^2/NDF:202355.5/33

Out: 112.036+/-0.037 χ^2/NDF:721940.0/37

All: 115.239+/-0.026 χ^2/NDF: 939521.3/71



Right In: -202.020+/-1.024 χ^2/NDF: 2040.4/15

Left Out: -261.436+/-1.336 χ^2/NDF:4343.0/18

Right Out: -195.311+/-0.974 χ^2/NDF: 3100.7/18

Left In: -290.989+/-1.397 χ^2/NDF:708.3/17

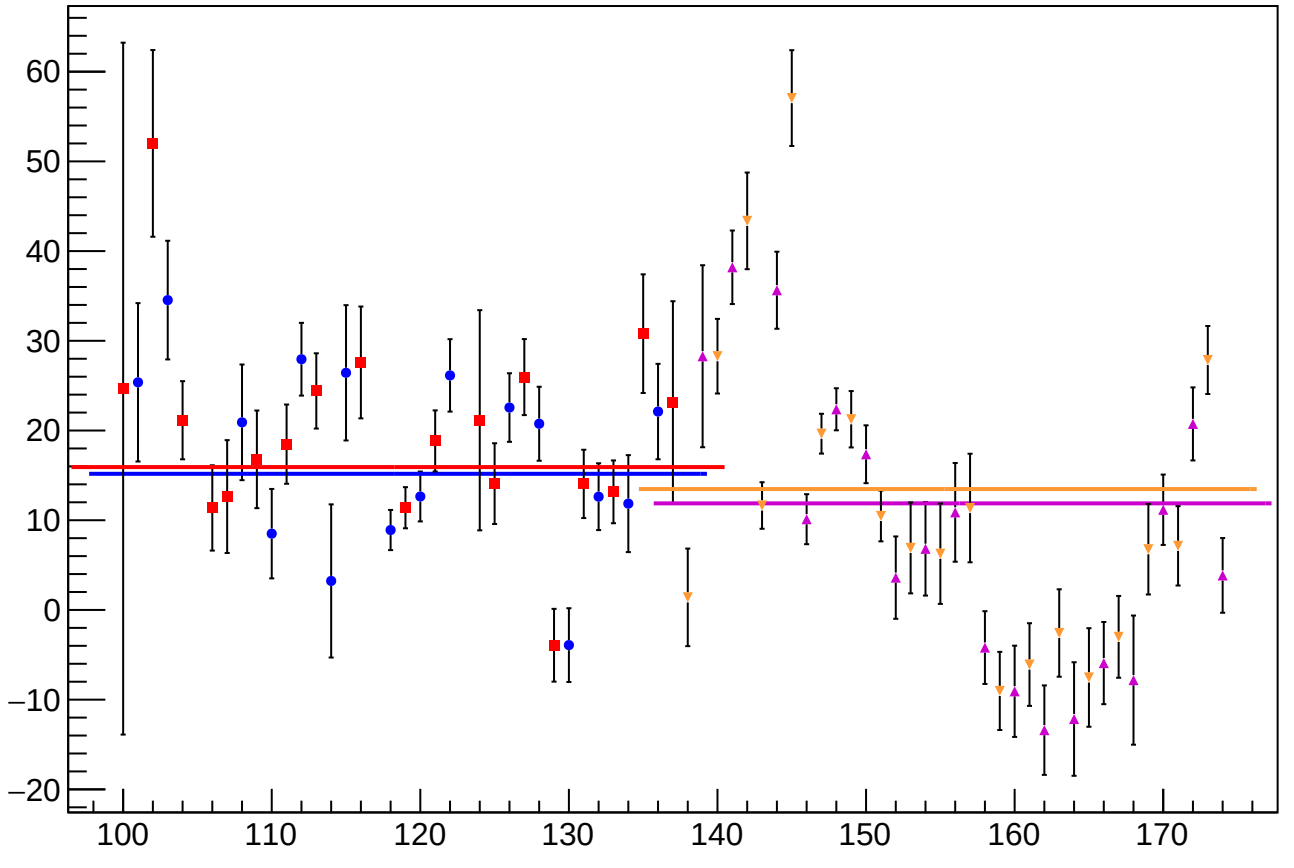
Left: -275.546+/-0.966 χ^2/NDF: 5285.0/36

Right: -198.498+/-0.706 χ^2/NDF: 5163.6/34

In: -233.105+/-0.826 χ^2/NDF:5385.8/33

Out: -218.267+/-0.787 χ^2/NDF:9043.6/37

All: -225.328+/-0.570 χ^2/NDF: 14598.5/71



Right In: 15.175+/-1.048 χ^2/NDF: 72.3/15

Left Out: 13.475+/-0.905 χ^2/NDF:235.4/18

Right Out: 15.925+/-1.037 χ^2/NDF: 63.5/18

Left In: 11.881+/-0.970 χ^2/NDF:205.9/17

Left: 12.733+/-0.662 χ^2/NDF: 442.7/36

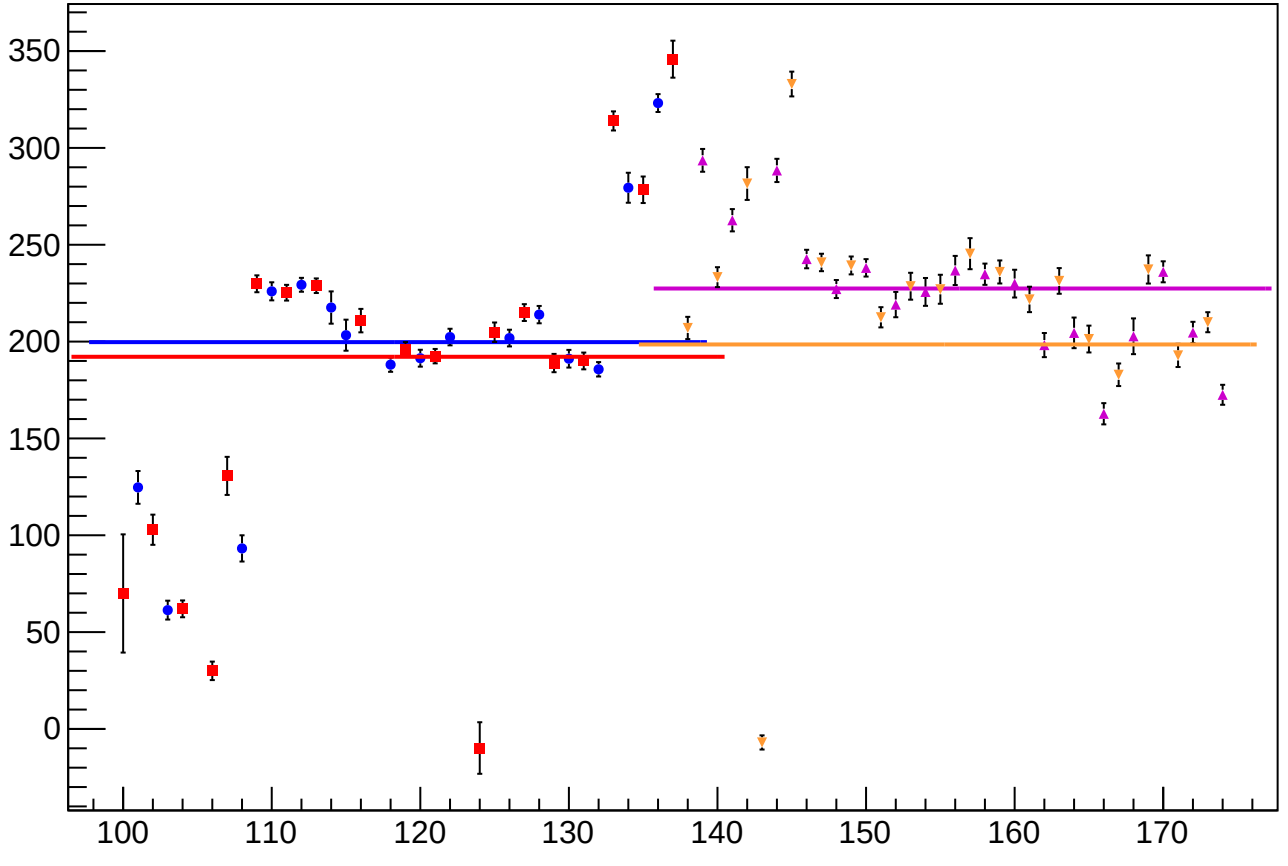
Right: 15.554+/-0.737 χ^2/NDF: 136.1/34

In: 13.402+/-0.712 χ^2/NDF:283.5/33

Out: 14.535+/-0.682 χ^2/NDF:302.2/37

All: 13.993+/-0.492 χ^2/NDF: 587.0/71

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 199.722+/-1.196 χ^2/NDF: 2101.6/15

Left Out: 198.520+/-1.317 χ^2/NDF:4097.9/18

Right Out: 192.156+/-1.150 χ^2/NDF: 3777.1/18

Left In: 227.403+/-1.373 χ^2/NDF:597.4/17

Left: 212.357+/-0.950 χ^2/NDF: 4925.8/36

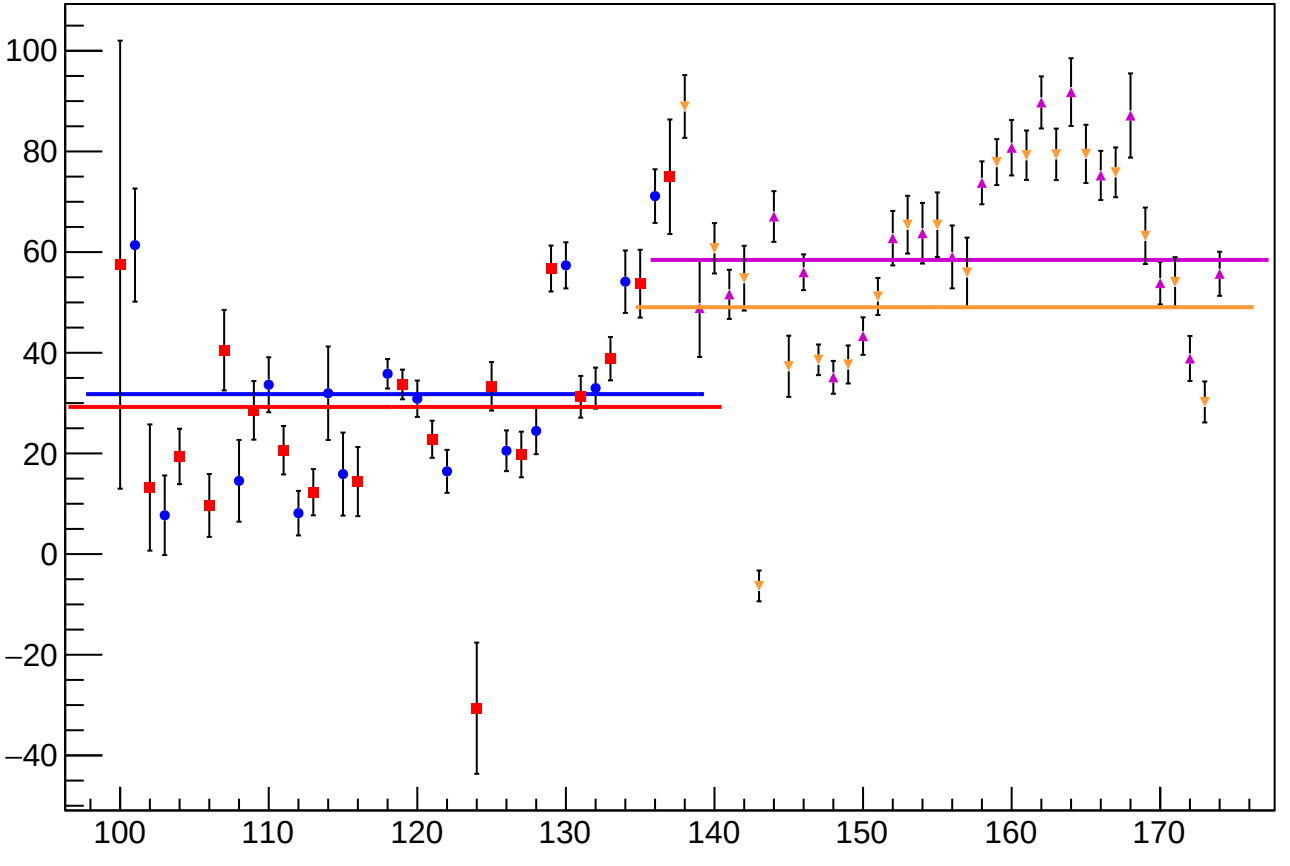
Right: 195.793+/-0.829 χ^2/NDF: 5899.5/34

In: 211.661+/-0.902 χ^2/NDF:2930.2/33

Out: 194.911+/-0.866 χ^2/NDF:7888.3/37

All: 202.952+/-0.625 χ^2/NDF: 10997.9/71

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.782+/-1.217 χ^2/NDF: 177.0/15

Left Out: 49.051+/-1.064 χ^2/NDF:614.5/18

Right Out: 29.245+/-1.197 χ^2/NDF: 140.9/18

Left In: 58.450+/-1.128 χ^2/NDF:210.2/17

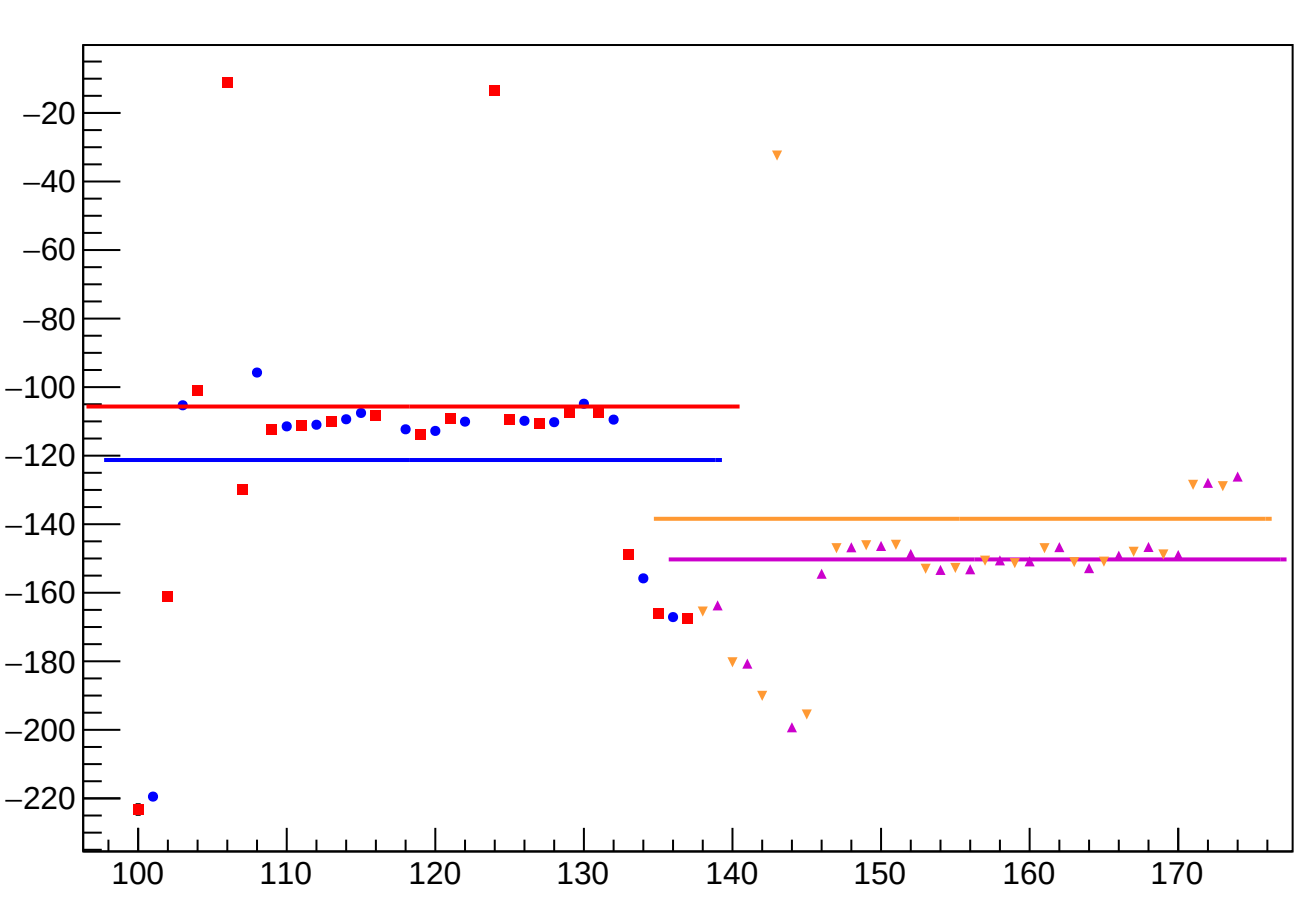
Left: 53.477+/-0.774 χ^2/NDF: 861.4/36

Right: 30.492+/-0.853 χ^2/NDF: 320.1/34

In: 46.120+/-0.827 χ^2/NDF:645.5/33

Out: 40.303+/-0.795 χ^2/NDF:908.3/37

All: 43.097+/-0.573 χ^2/NDF: 1579.6/71



Right In: -121.268+/-0.079 χ^2/NDF: 119398.5/15

Left Out: -138.420+/-0.050 χ^2/NDF:639636.5/18

Right Out: -105.660+/-0.075 χ^2/NDF: 355093.7/18

Left In: -150.274+/-0.051 χ^2/NDF:87659.9/17

Left: -144.221+/-0.036 χ^2/NDF: 754412.2/36

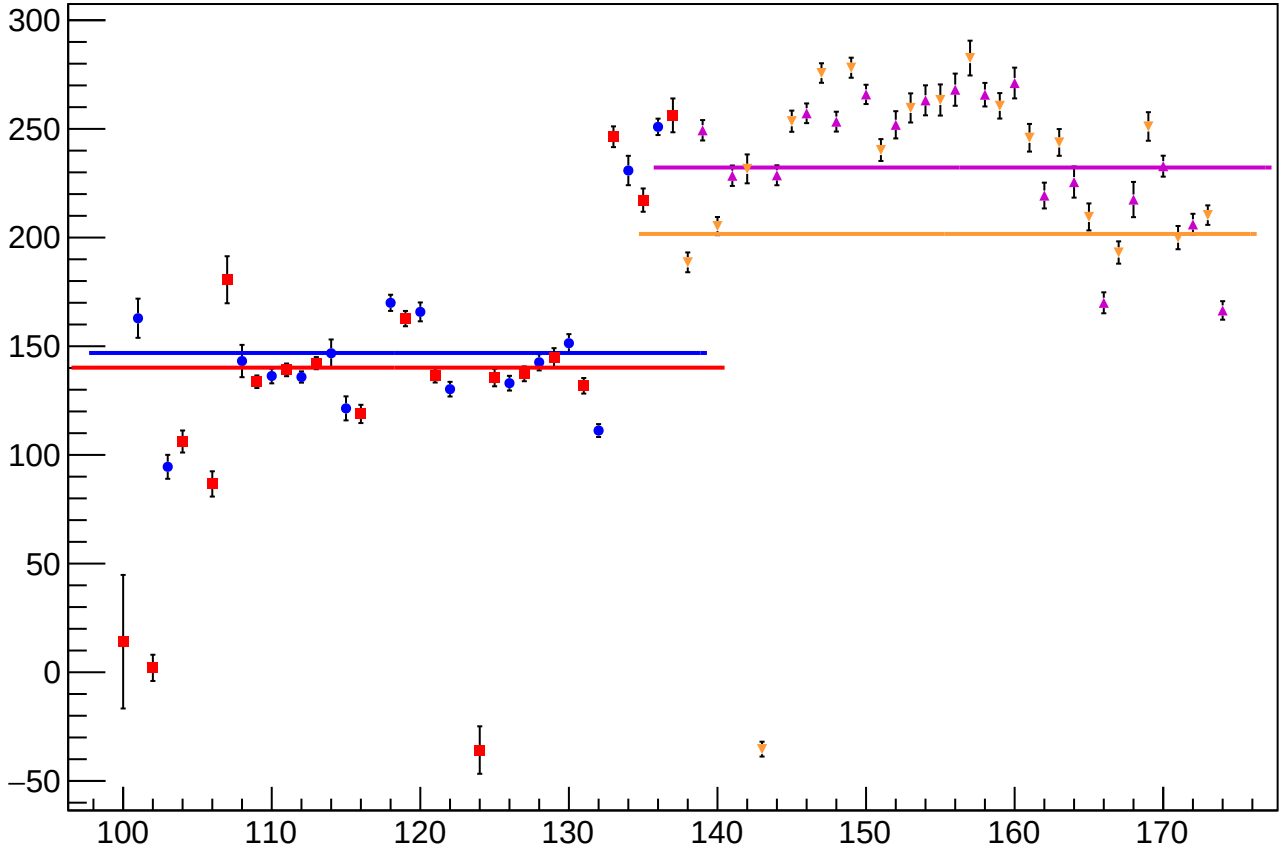
Right: -113.006+/-0.054 χ^2/NDF: 495037.6/34

In: -141.672+/-0.043 χ^2/NDF:301355.2/33

Out: -128.183+/-0.042 χ^2/NDF:1126945.7/37

All: -134.707+/-0.030 χ^2/NDF: 1478764.7/71

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 146.905+/-1.003 χ^2/NDF: 1302.0/15

Left Out: 201.669+/-1.194 χ^2/NDF:6065.6/18

Right Out: 140.153+/-0.960 χ^2/NDF: 1950.6/18

Left In: 232.225+/-1.240 χ^2/NDF:687.9/17

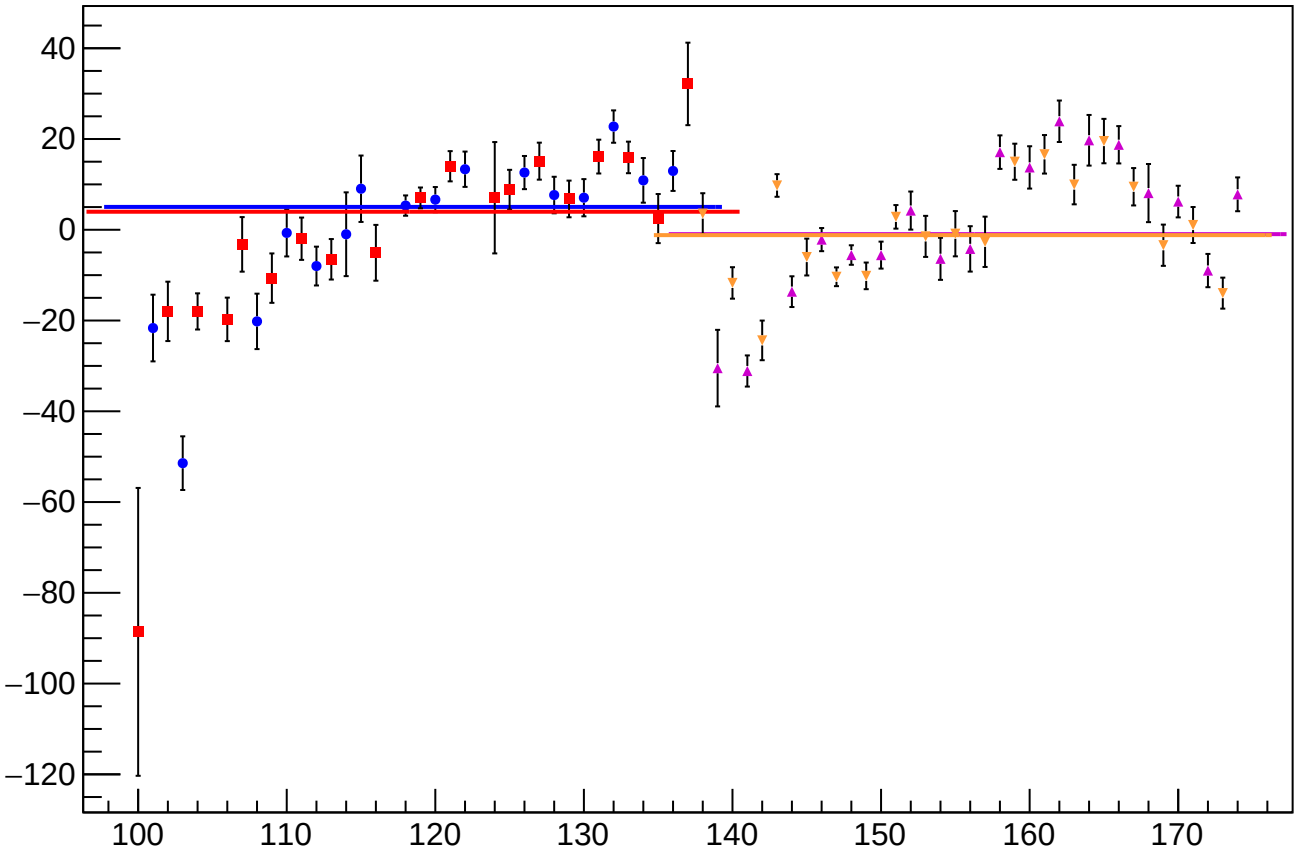
Left: 216.375+/-0.860 χ^2/NDF: 7068.5/36

Right: 143.381+/-0.694 χ^2/NDF: 3276.2/34

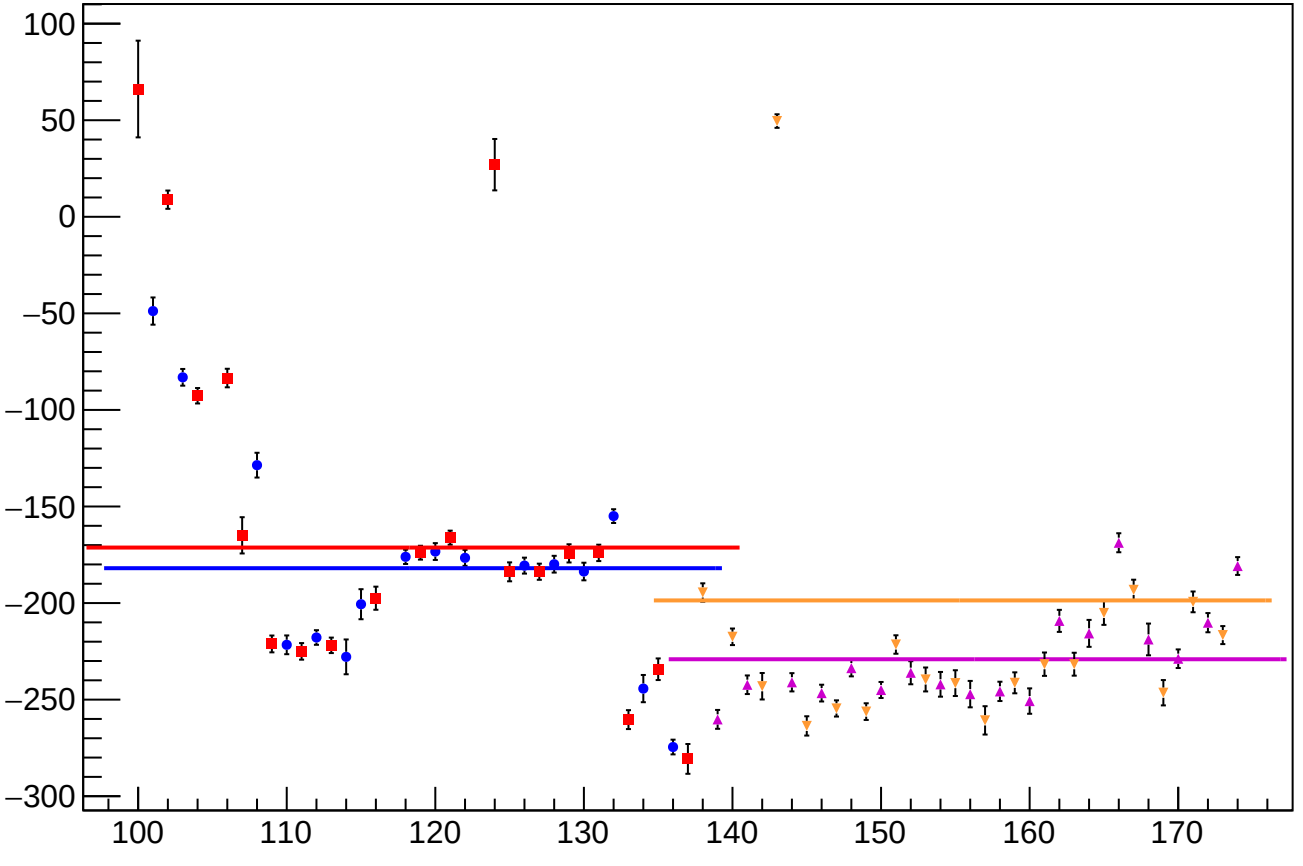
In: 180.668+/-0.780 χ^2/NDF:4851.6/33

Out: 164.301+/-0.748 χ^2/NDF:9627.8/37

All: 172.145+/-0.540 χ^2/NDF: 14708.7/71


reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: 5.037+/-1.021 χ²/NDF: 171.9/15
Left Out: -1.182+/-0.817 χ²/NDF:170.7/18
Right Out: 3.974+/-1.012 χ²/NDF: 144.9/18
Left In: -0.965+/-0.869 χ²/NDF:230.7/17
Left: -1.080+/-0.595 χ²/NDF: 401.4/36
Right: 4.501+/-0.719 χ²/NDF: 317.3/34
In: 1.557+/-0.662 χ²/NDF:422.6/33
Out: 0.854+/-0.636 χ²/NDF:331.3/37
All: 1.192+/-0.459 χ²/NDF: 754.4/71

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: -198.633+/-1.180 χ^2/NDF:5940.9/18

Right Out: -171.262+/-1.111 χ^2/NDF: 3628.2/18

Left In: -229.093+/-1.221 χ^2/NDF:412.7/17

Left: -213.339+/-0.849 χ^2/NDF: 6675.4/36

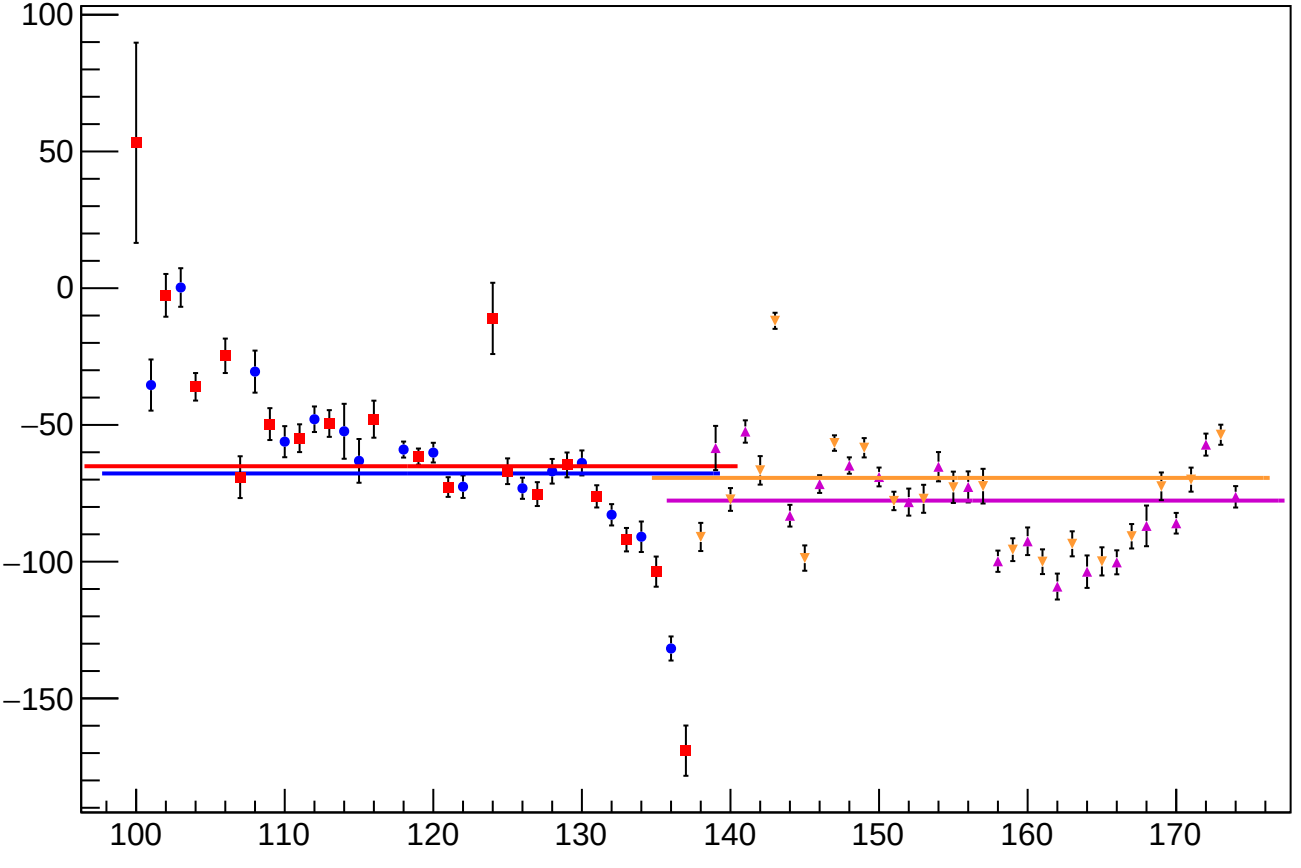
Right: -176.402+/-0.800 χ^2/NDF: 5543.1/34

In: -204.187+/-0.839 χ^2/NDF:3070.6/33

Out: -184.127+/-0.809 χ^2/NDF:9854.3/37

All: -193.794+/-0.582 χ^2/NDF: 13221.3/71

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.745+/-1.181 χ^2/NDF: 414.0/15

Left Out: -69.370+/-0.959 χ^2/NDF:672.6/18

Right Out: -65.105+/-1.167 χ^2/NDF: 429.0/18

Left In: -77.670+/-1.009 χ^2/NDF:243.3/17

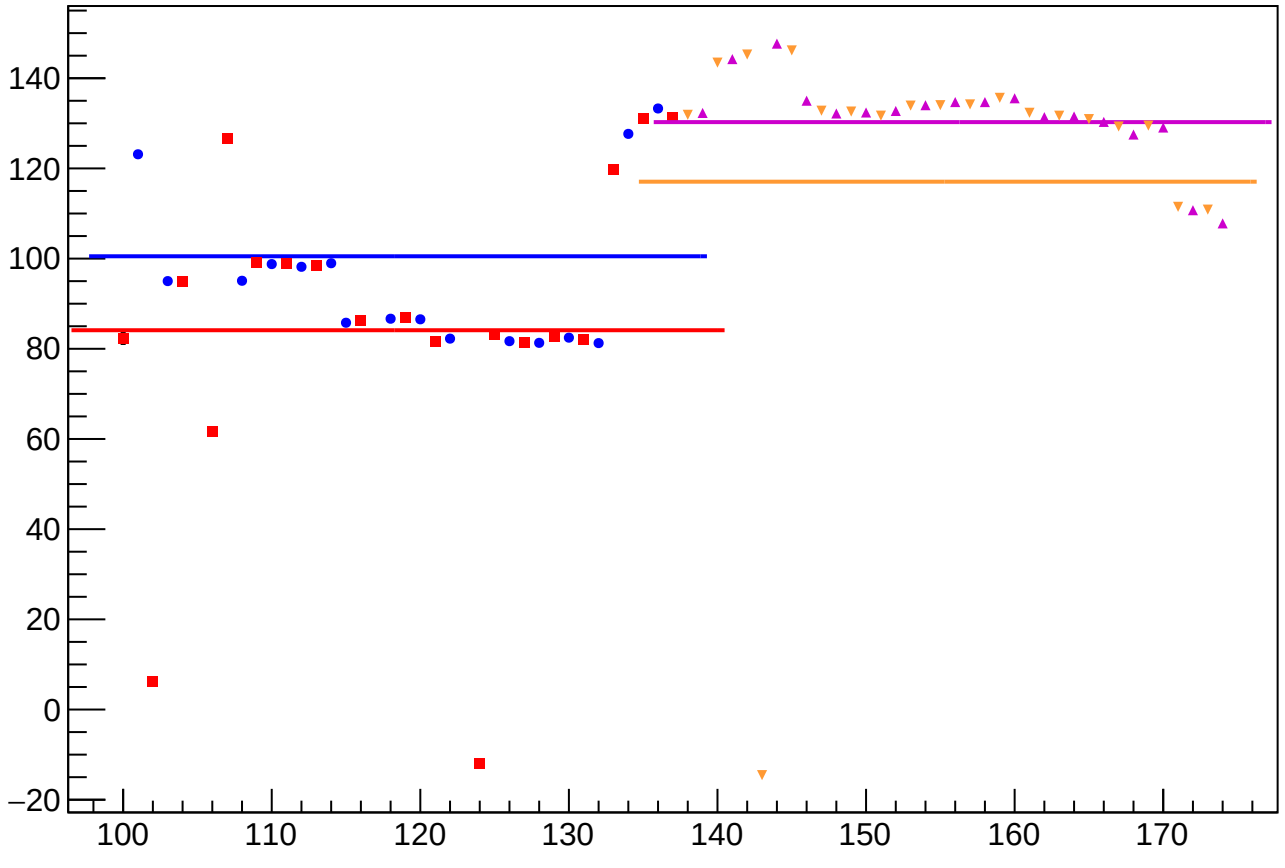
Left: -73.309+/-0.695 χ^2/NDF: 951.5/36

Right: -66.409+/-0.830 χ^2/NDF: 845.6/34

In: -73.482+/-0.767 χ^2/NDF:698.1/33

Out: -67.650+/-0.741 χ^2/NDF:1109.7/37

All: -70.464+/-0.533 χ^2/NDF: 1837.7/71



Right In: 100.517+/-0.074 χ^2/NDF: 67464.8/15

Left Out: 117.058+/-0.045 χ^2/NDF:939777.0/18

Right Out: 84.116+/-0.069 χ^2/NDF: 263788.9/18

Left In: 130.268+/-0.046 χ^2/NDF:47389.7/17

Left: 123.562+/-0.032 χ^2/NDF: 1029325.4/36

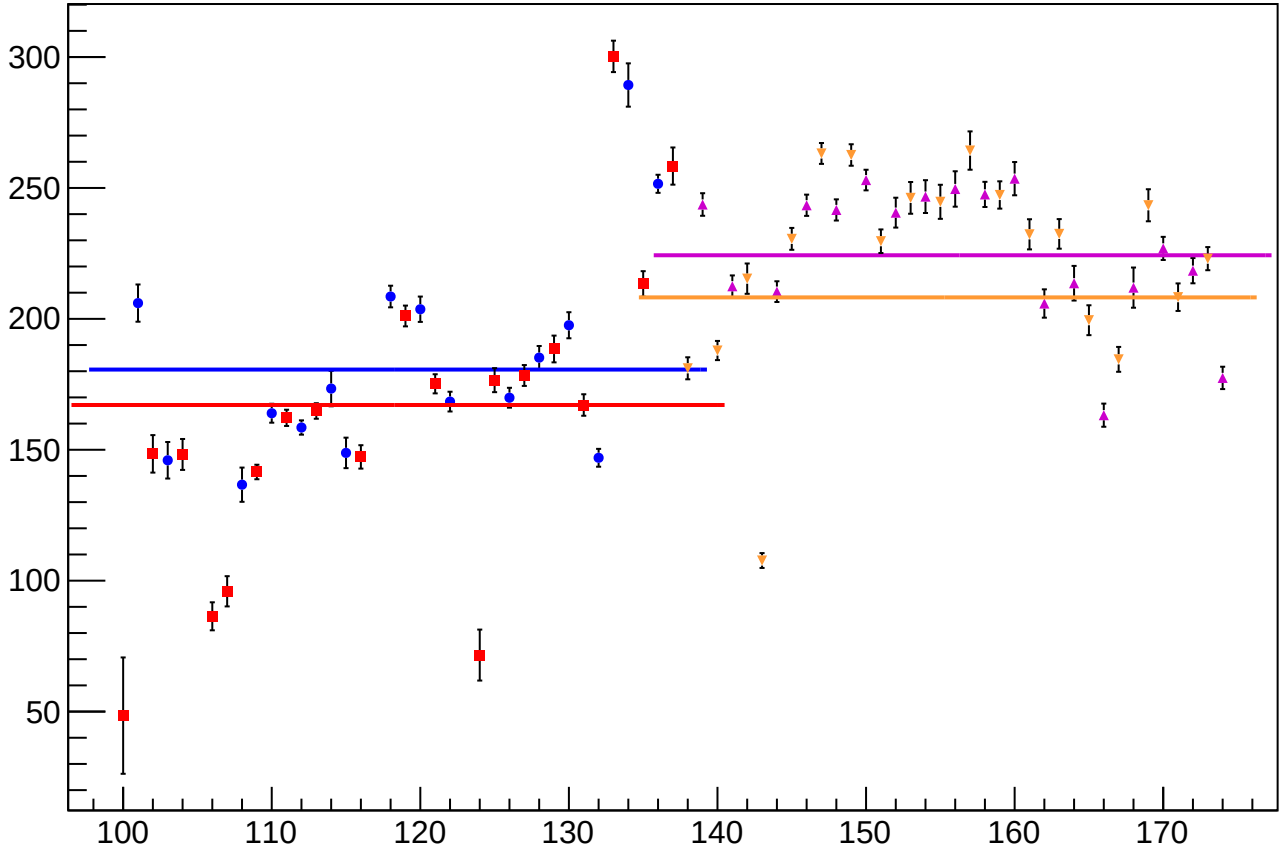
Right: 91.772+/-0.051 χ^2/NDF: 357470.2/34

In: 122.012+/-0.039 χ^2/NDF:231748.7/33

Out: 107.225+/-0.038 χ^2/NDF:1362507.2/37

All: 114.397+/-0.027 χ^2/NDF: 1668431.8/71

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 208.201+/-1.072 χ^2/NDF:2034.4/18

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

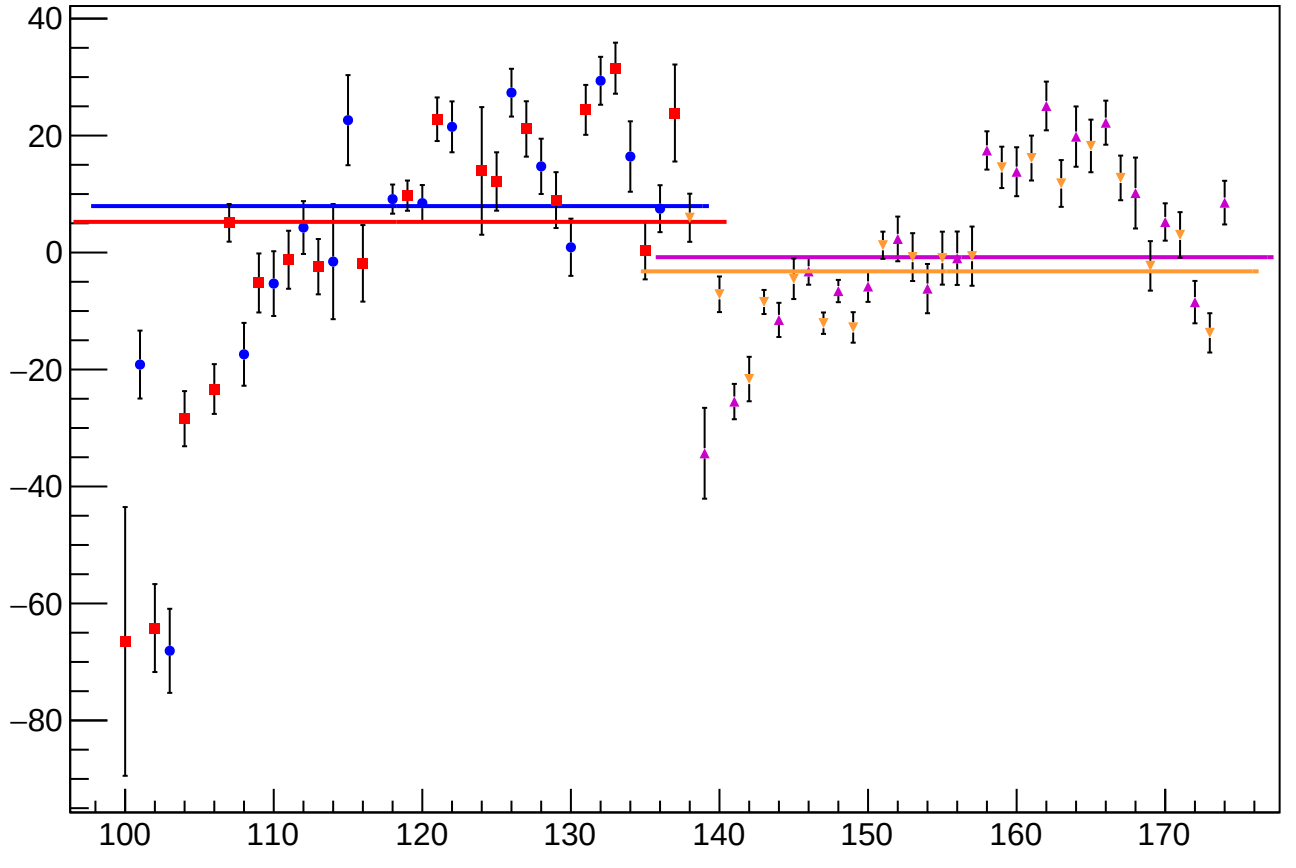
Left: 215.822+/-0.778 χ^2/NDF: 2684.9/36

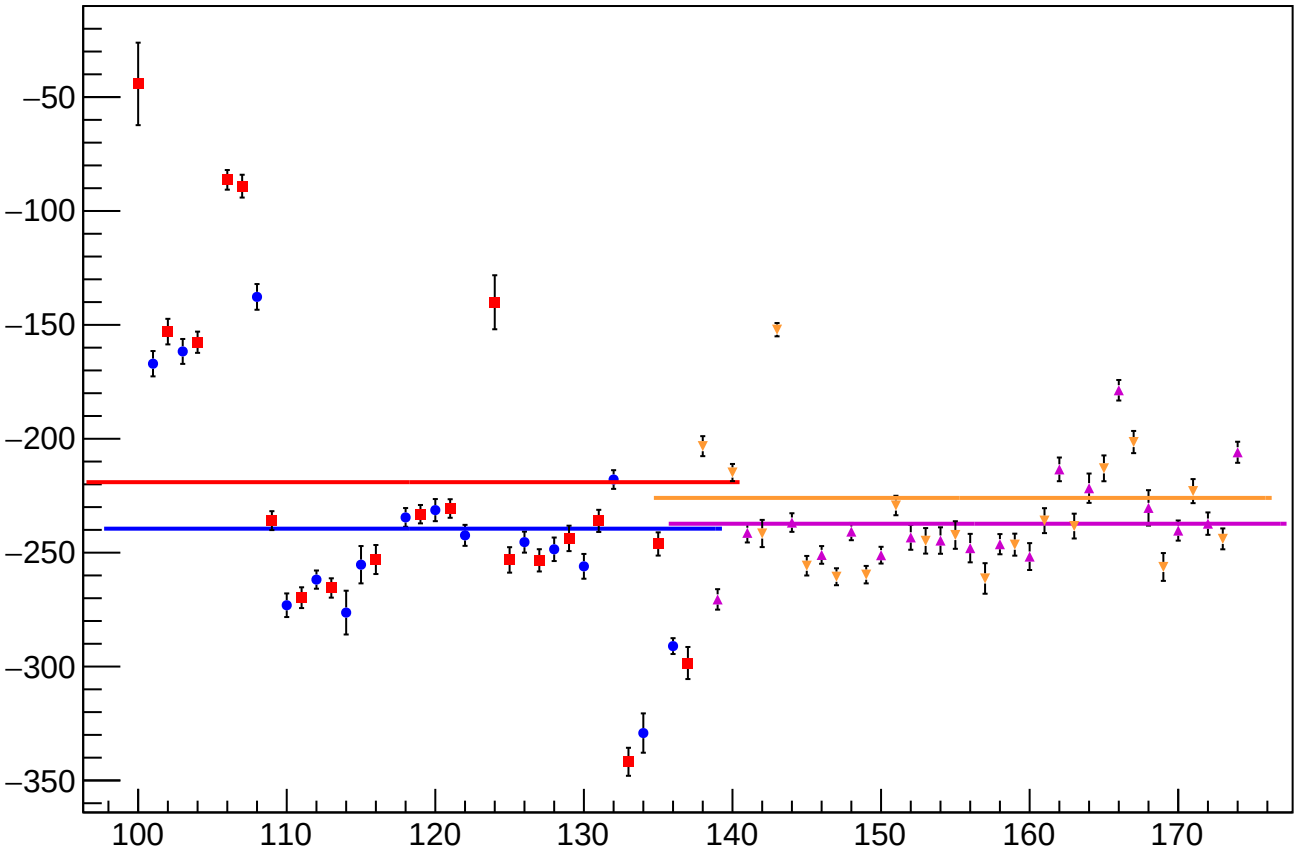
Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.665+/-0.784 χ^2/NDF:2310.5/33

Out: 186.648+/-0.739 χ^2/NDF:4289.8/37

All: 193.711+/-0.538 χ^2/NDF: 6794.5/71


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 7.942+/-1.113 χ²/NDF: 232.9/15
Left Out: -3.215+/-0.731 χ²/NDF:195.7/18
Right Out: 5.244+/-1.062 χ²/NDF: 302.9/18
Left In: -0.793+/-0.786 χ²/NDF:267.8/17
Left: -2.092+/-0.535 χ²/NDF: 468.6/36
Right: 6.530+/-0.768 χ²/NDF: 538.9/34
In: 2.114+/-0.642 χ²/NDF:541.8/33
Out: -0.496+/-0.602 χ²/NDF:541.7/37
All: 0.725+/-0.439 χ²/NDF: 1092.2/71



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.964+/-1.059 χ^2/NDF:1037.3/18

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -237.302+/-1.111 χ^2/NDF:341.9/17

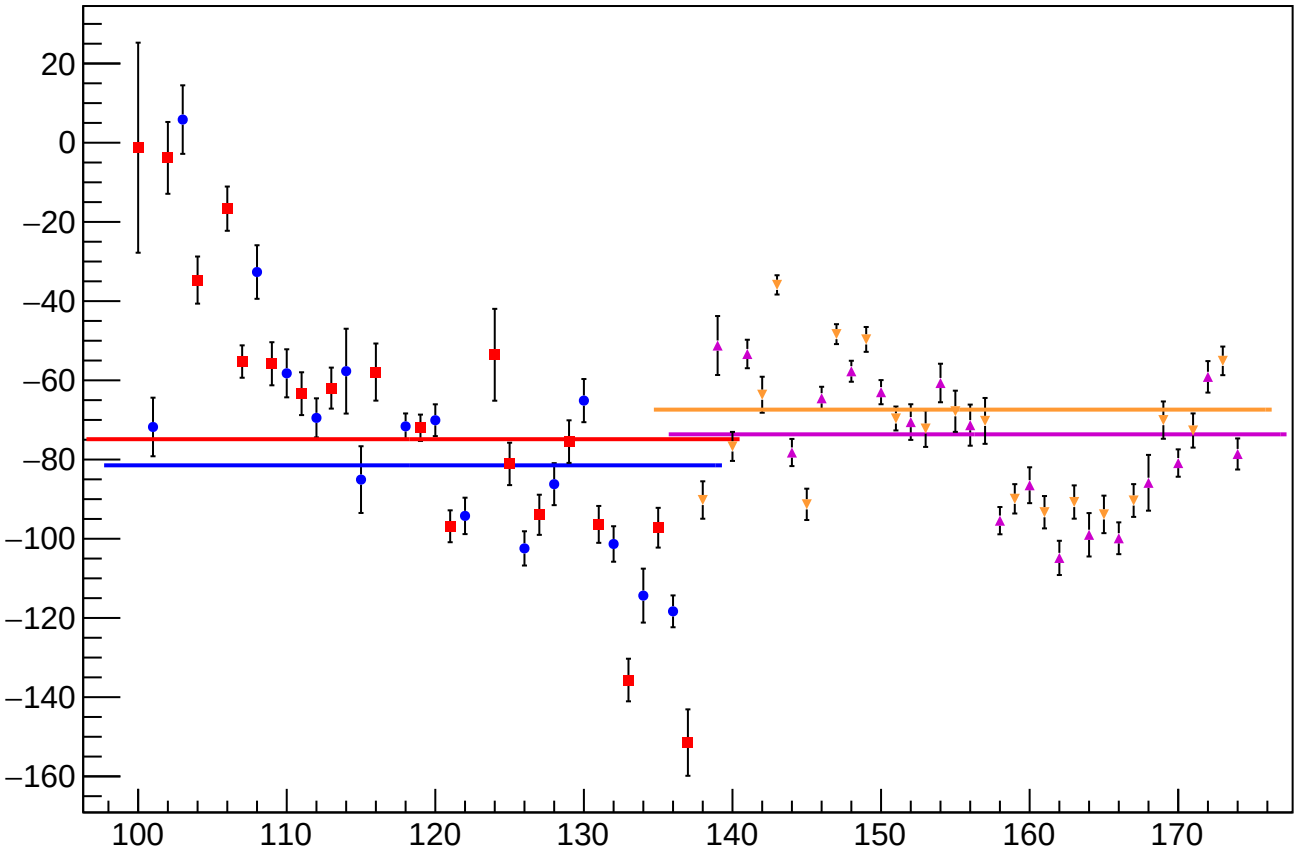
Left: -231.362+/-0.767 χ^2/NDF: 1433.7/36

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -238.262+/-0.829 χ^2/NDF:1505.8/33

Out: -222.869+/-0.787 χ^2/NDF:4105.6/37

All: -230.166+/-0.571 χ^2/NDF: 5792.8/71



Right In: -81.462+/-1.287 χ^2/NDF: 366.5/15

Left Out: -67.395+/-0.860 χ^2/NDF:508.7/18

Right Out: -74.861+/-1.230 χ^2/NDF: 576.6/18

Left In: -73.633+/-0.916 χ^2/NDF:295.3/17

Left: -70.319+/-0.627 χ^2/NDF: 828.6/36

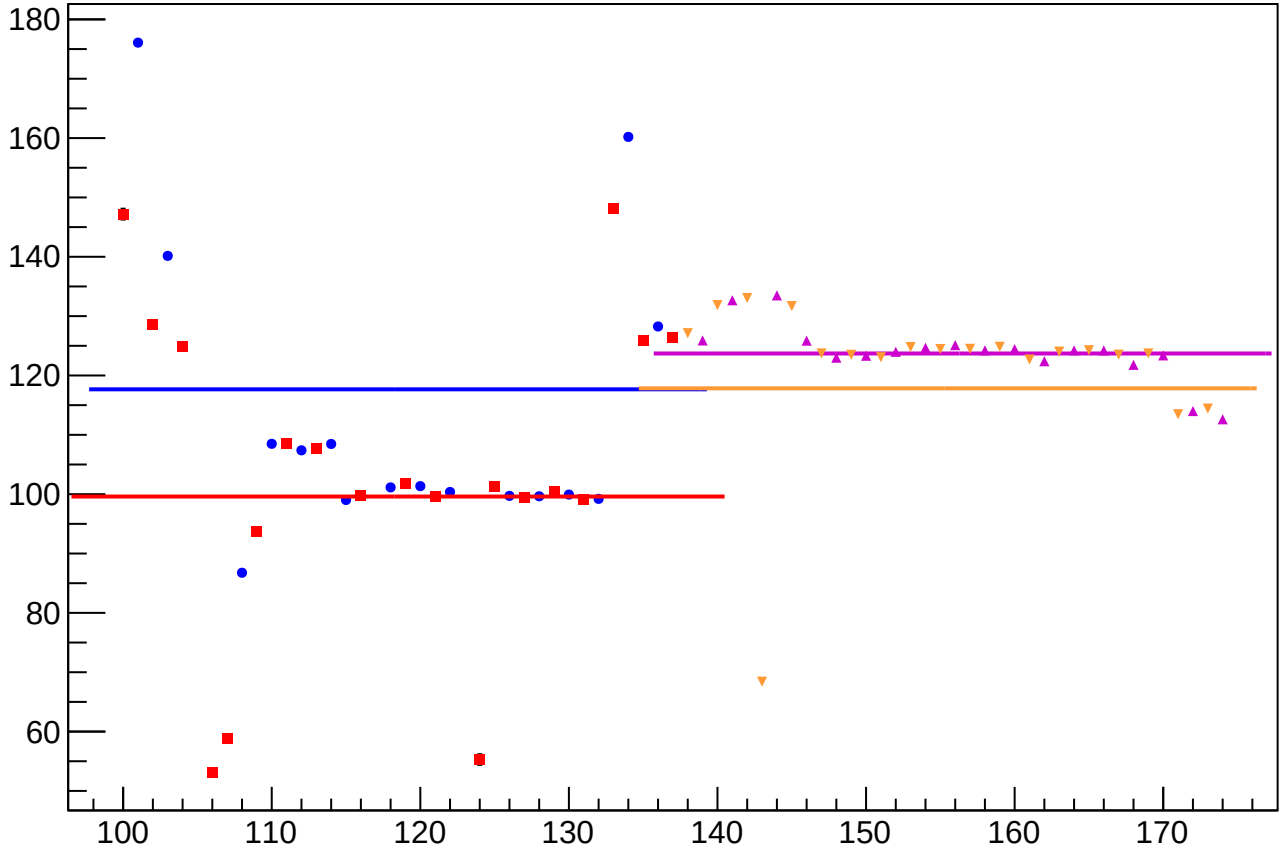
Right: -78.013+/-0.889 χ^2/NDF: 956.9/34

In: -76.266+/-0.746 χ^2/NDF:686.3/33

Out: -69.848+/-0.705 χ^2/NDF:1110.0/37

All: -72.875+/-0.512 χ^2/NDF: 1835.5/71

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.836+/-0.041 χ^2/NDF:199236.9/18

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

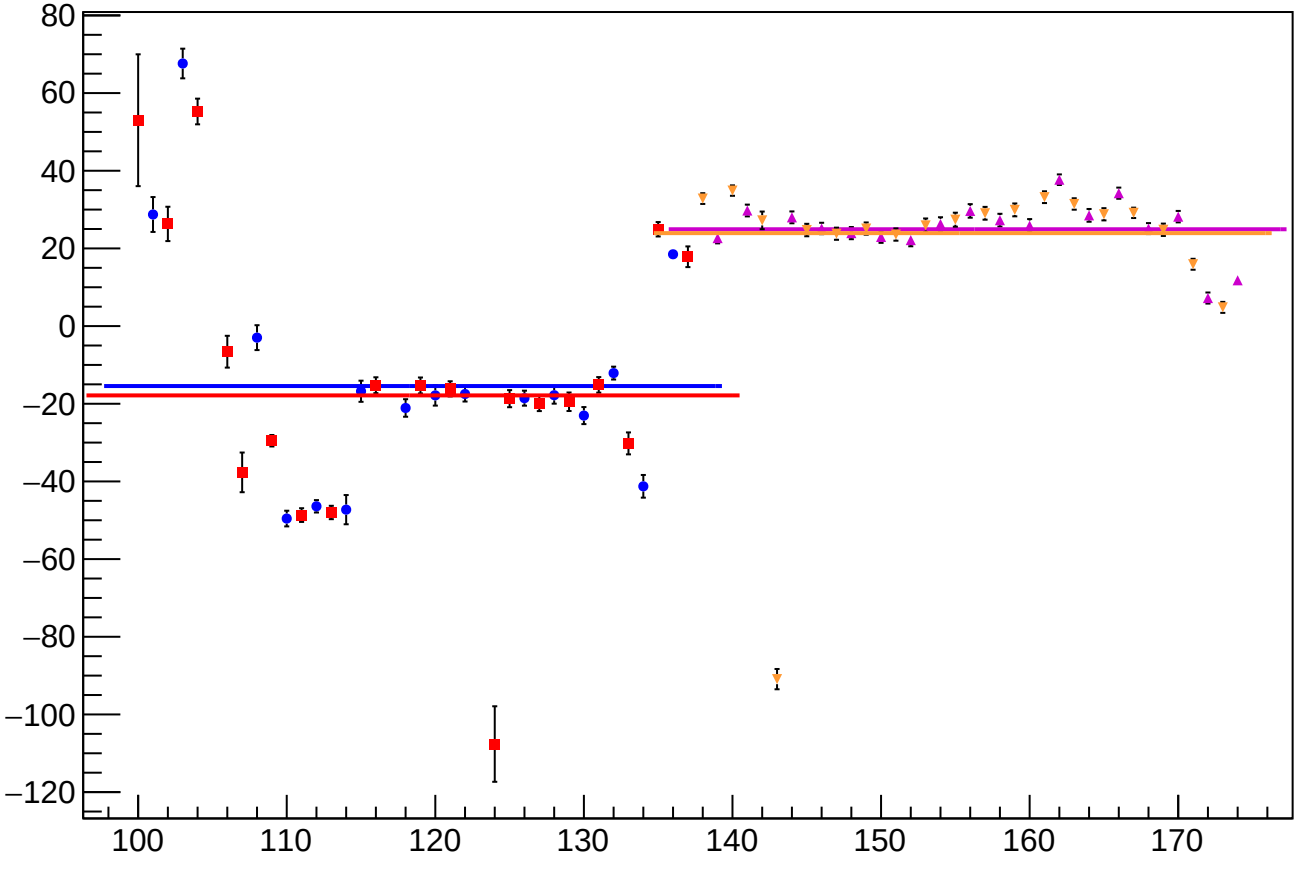
Left: 120.692+/-0.029 χ^2/NDF: 223428.8/36

Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.361+/-0.037 χ^2/NDF:114134.9/33

Out: 113.246+/-0.035 χ^2/NDF:415794.5/37

All: 117.595+/-0.026 χ^2/NDF: 561786.9/71



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.936+/-0.362 χ^2/NDF:2374.4/18

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

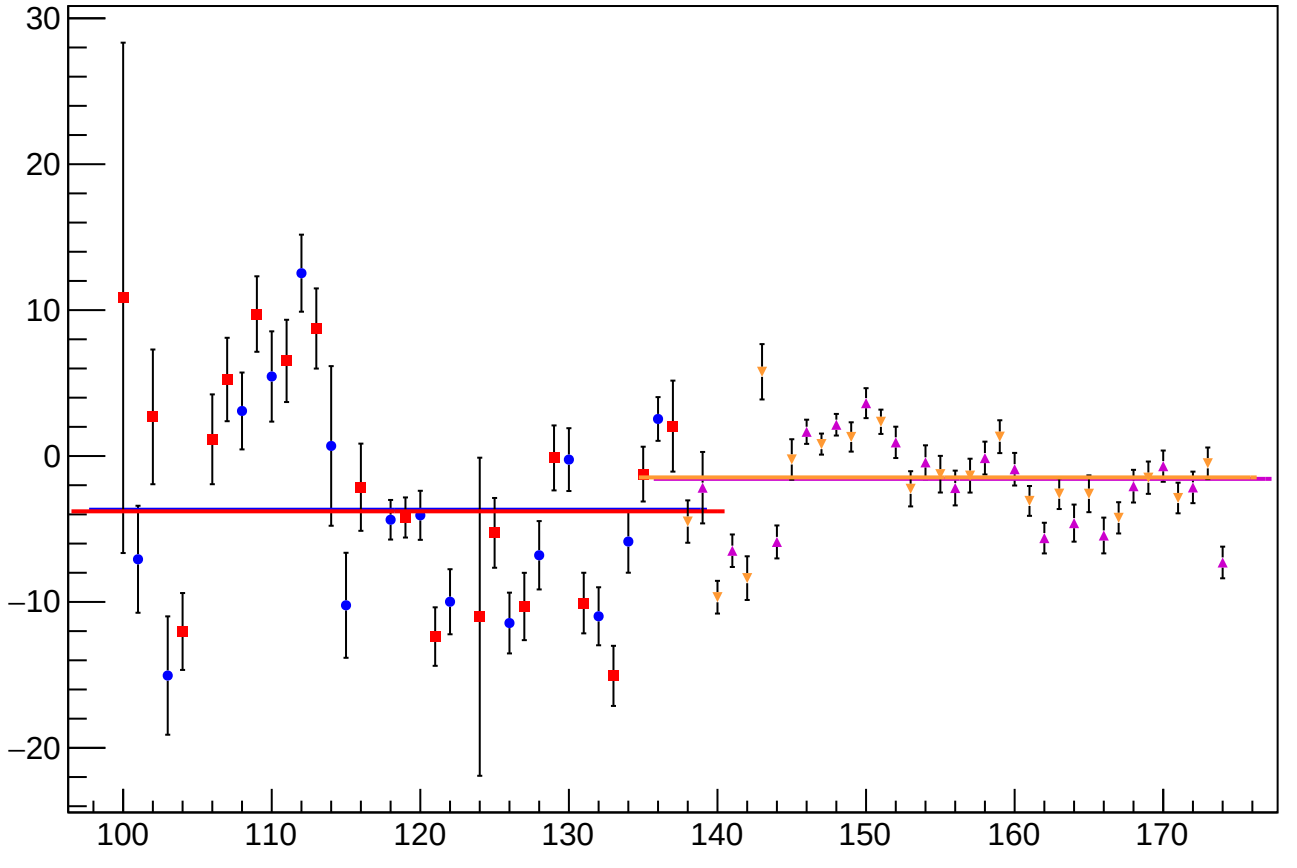
Left: 24.447+/-0.253 χ^2/NDF: 2818.5/36

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

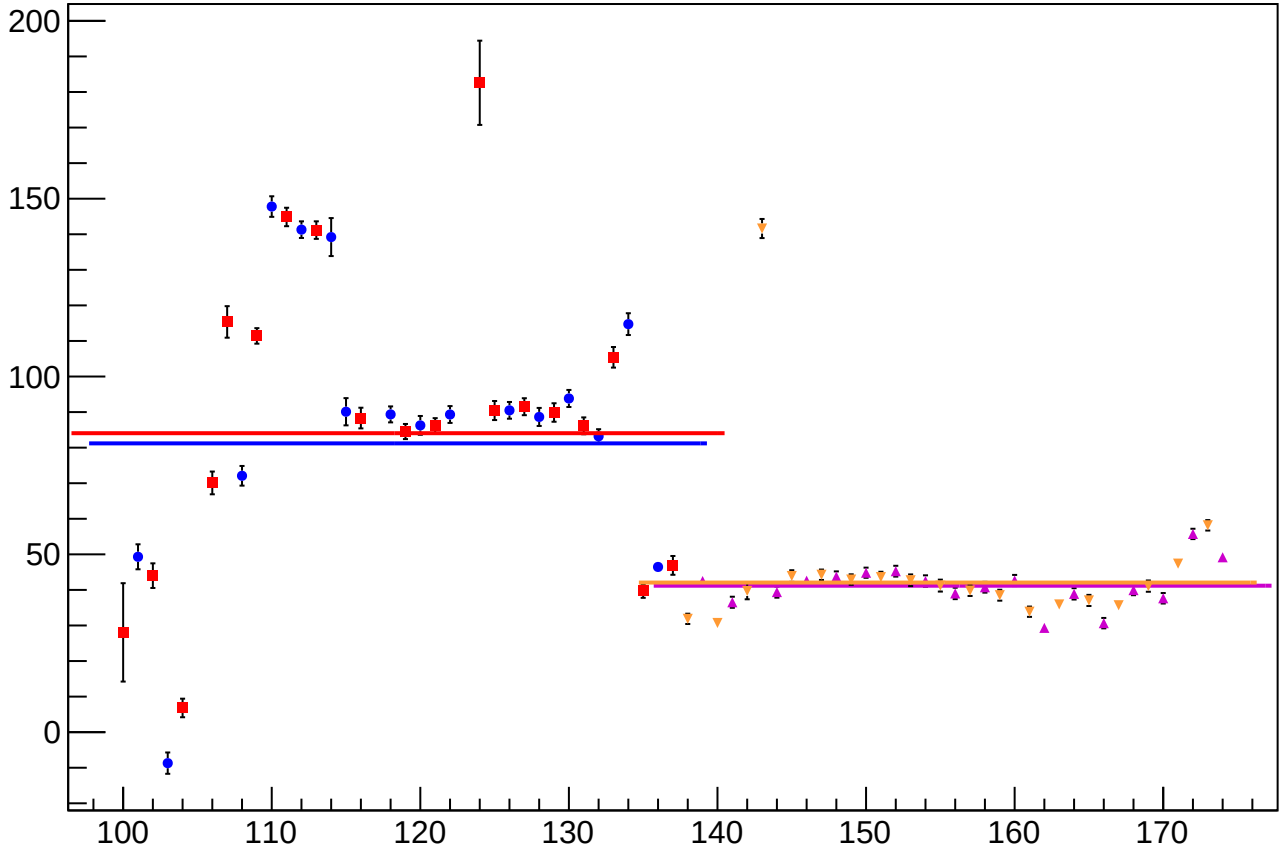
In: 12.779+/-0.296 χ^2/NDF:6485.0/33

Out: 10.633+/-0.299 χ^2/NDF:8742.0/37

All: 11.717+/-0.210 χ^2/NDF: 15253.0/71


reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: -3.679+/-0.552 χ²/NDF: 124.0/15
Left Out: -1.465+/-0.253 χ²/NDF:153.5/18
Right Out: -3.790+/-0.564 χ²/NDF: 161.2/18
Left In: -1.565+/-0.254 χ²/NDF:168.3/17
Left: -1.515+/-0.179 χ²/NDF: 321.9/36
Right: -3.734+/-0.394 χ²/NDF: 285.2/34
In: -1.936+/-0.231 χ²/NDF:304.4/33
Out: -1.854+/-0.231 χ²/NDF:328.9/37
All: -1.895+/-0.163 χ²/NDF: 633.3/71

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: 42.070+/-0.355 χ^2/NDF:1721.8/18

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

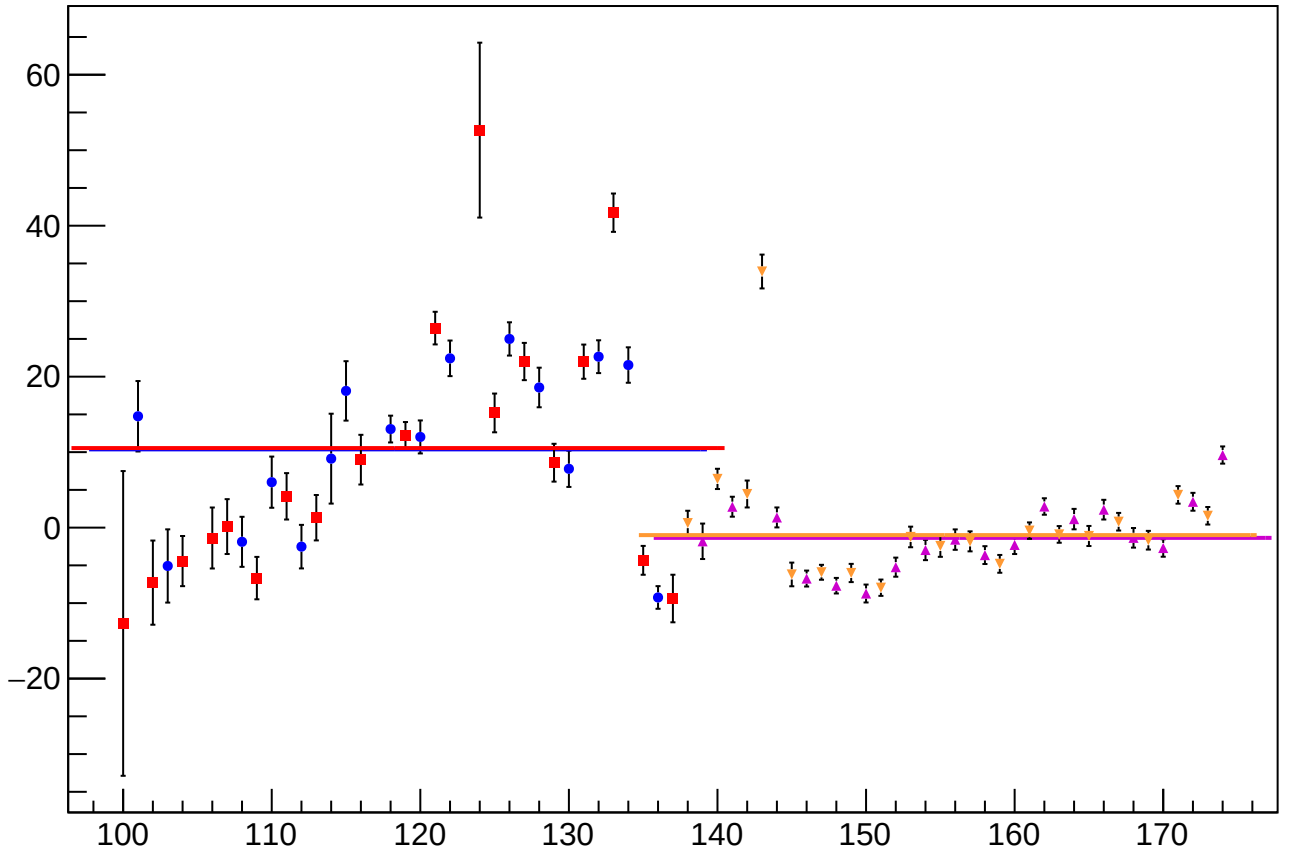
Left: 41.618+/-0.249 χ^2/NDF: 2035.9/36

Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.089+/-0.302 χ^2/NDF:6811.7/33

Out: 52.537+/-0.308 χ^2/NDF:8414.5/37

All: 51.800+/-0.216 χ^2/NDF: 15237.4/71



Right In: 10.367+/-0.627 χ^2/NDF: 359.8/15

Left Out: -0.991+/-0.291 χ^2/NDF:419.2/18

Right Out: 10.539+/-0.640 χ^2/NDF: 470.7/18

Left In: -1.357+/-0.291 χ^2/NDF:268.3/17

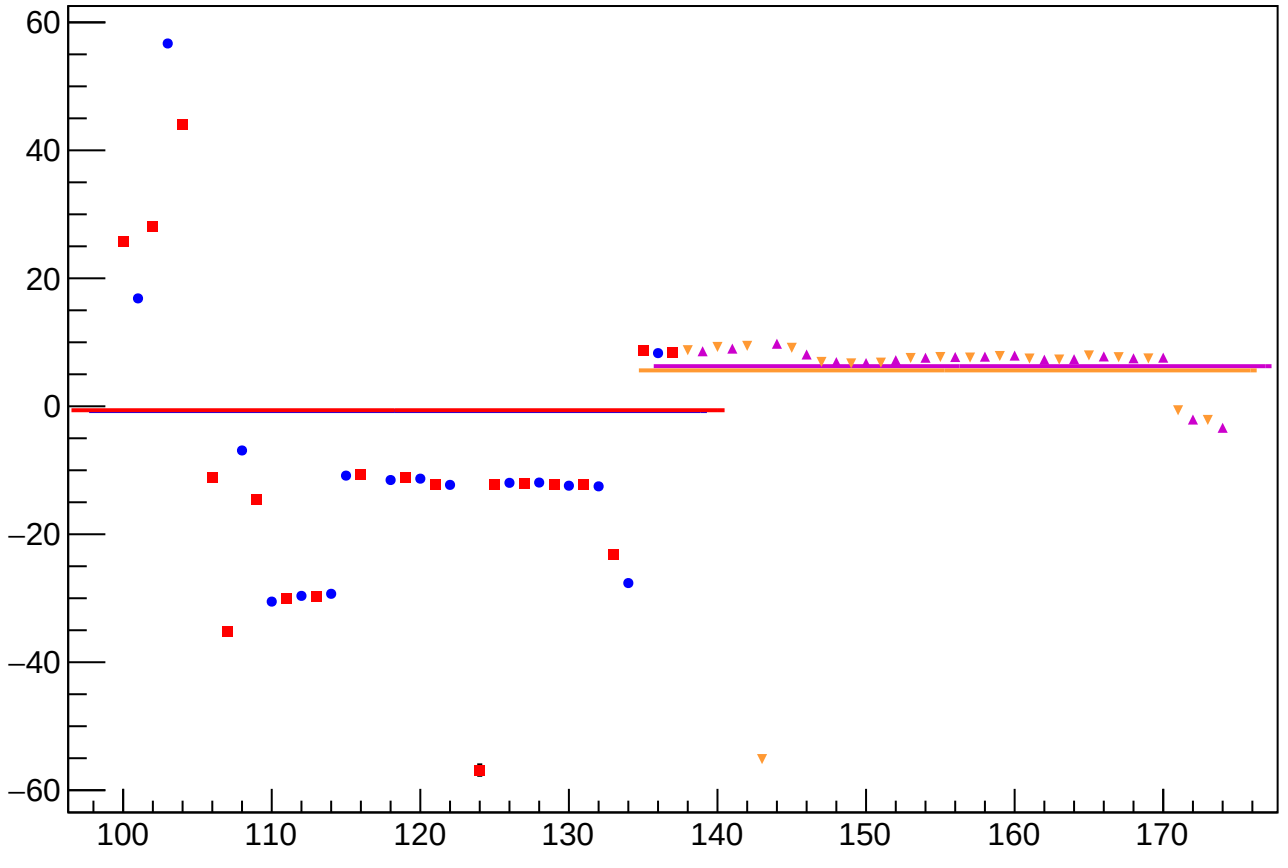
Left: -1.174+/-0.206 χ^2/NDF: 688.3/36

Right: 10.451+/-0.448 χ^2/NDF: 830.5/34

In: 0.725+/-0.264 χ^2/NDF:916.0/33

Out: 0.982+/-0.265 χ^2/NDF:1158.8/37

All: 0.853+/-0.187 χ^2/NDF: 2075.3/71



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.611+/-0.013 χ^2/NDF:360381.5/18

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

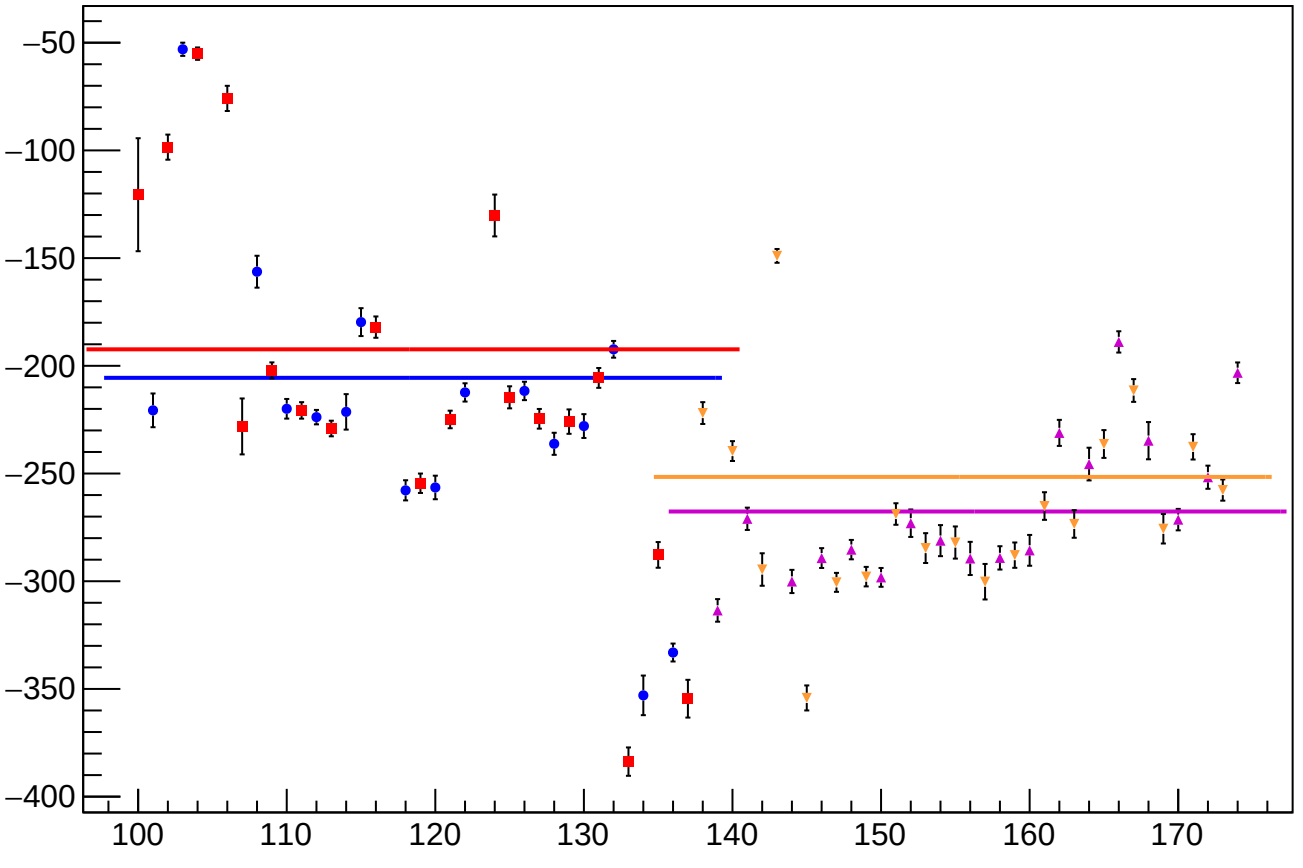
Left: 5.947+/-0.009 χ^2/NDF: 445349.3/36

Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.473+/-0.012 χ^2/NDF:485554.0/33

Out: 4.924+/-0.012 χ^2/NDF:701647.0/37

All: 5.206+/-0.009 χ^2/NDF: 1188205.7/71



Right In: -205.577+/-1.185 χ^2/NDF: 4056.0/15

Left Out: -251.578+/-1.237 χ^2/NDF:1859.8/18

Right Out: -192.345+/-1.123 χ^2/NDF: 4969.8/18

Left In: -267.634+/-1.303 χ^2/NDF:737.8/17

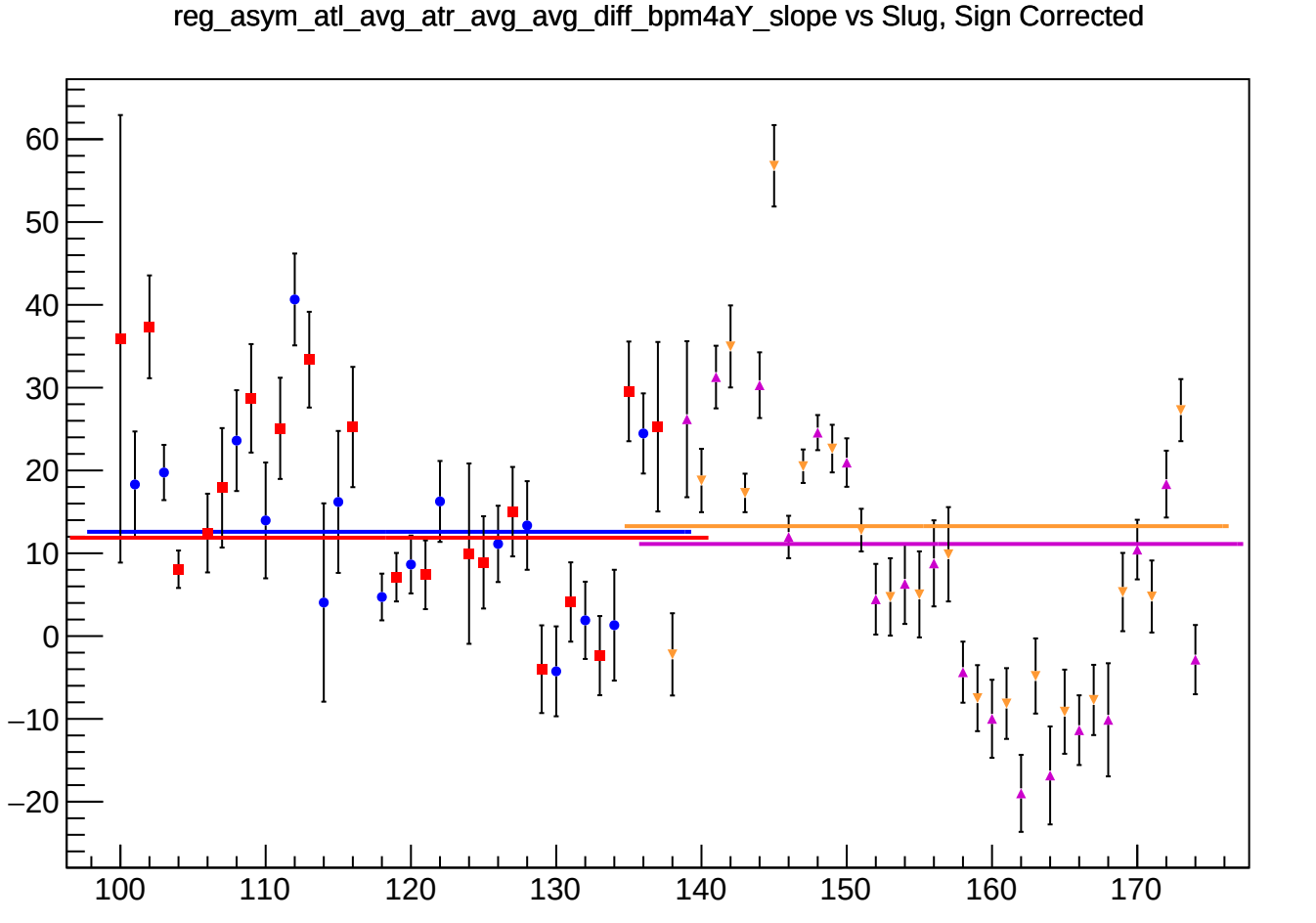
Left: -259.190+/-0.897 χ^2/NDF: 2677.4/36

Right: -198.605+/-0.815 χ^2/NDF: 9091.6/34

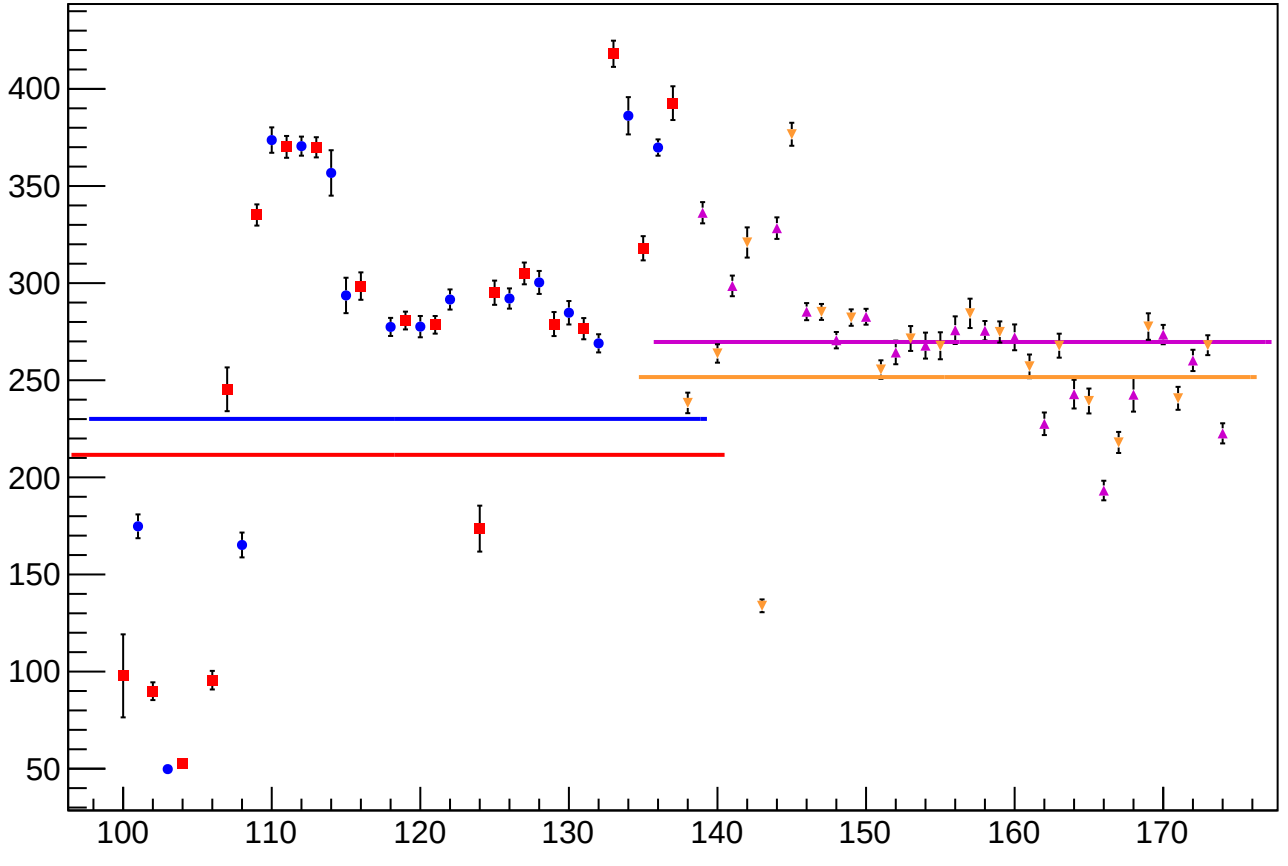
In: -233.658+/-0.877 χ^2/NDF:6035.4/33

Out: -219.088+/-0.831 χ^2/NDF:8086.9/37

All: -225.987+/-0.603 χ^2/NDF: 14267.7/71


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 12.592+/-1.203 χ²/NDF: 68.5/15
Left Out: 13.275+/-0.835 χ²/NDF:274.7/18
Right Out: 11.880+/-1.122 χ²/NDF: 84.9/18
Left In: 11.121+/-0.899 χ²/NDF:264.1/17
Left: 12.277+/-0.612 χ²/NDF: 541.9/36
Right: 12.211+/-0.820 χ²/NDF: 153.6/34
In: 11.649+/-0.720 χ²/NDF:333.6/33
Out: 12.777+/-0.670 χ²/NDF:360.6/37
All: 12.254+/-0.490 χ²/NDF: 695.5/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 230.095+/-1.260 χ^2/NDF: 9375.6/15

Left Out: 251.633+/-1.219 χ^2/NDF:2062.4/18

Right Out: 211.588+/-1.195 χ^2/NDF: 11472.1/18

Left In: 269.695+/-1.278 χ^2/NDF:706.8/17

Left: 260.238+/-0.882 χ^2/NDF: 2873.9/36

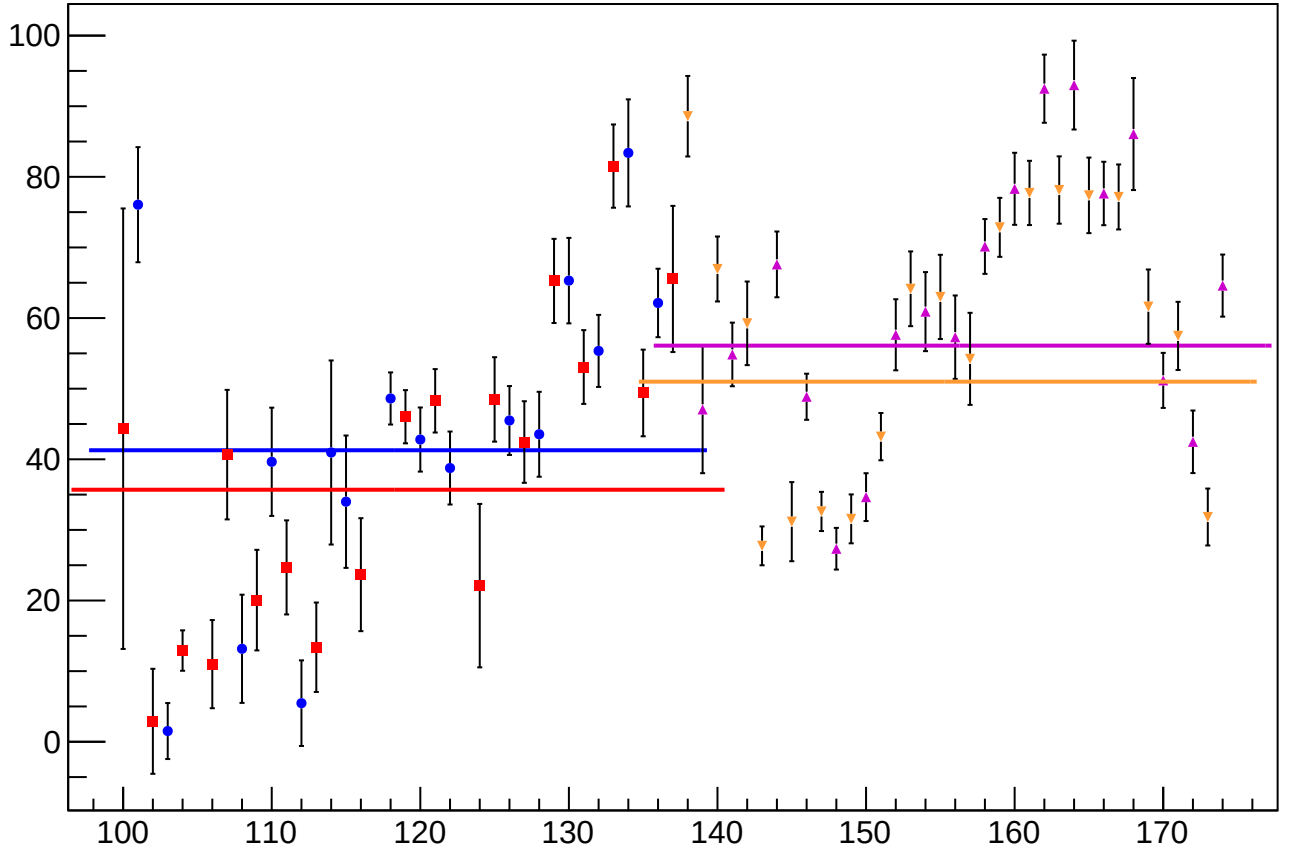
Right: 220.357+/-0.867 χ^2/NDF: 20961.4/34

In: 249.609+/-0.897 χ^2/NDF:10569.5/33

Out: 231.219+/-0.853 χ^2/NDF:14084.8/37

All: 239.956+/-0.618 χ^2/NDF: 24875.0/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 41.282+/-1.398 χ^2/NDF: 245.8/15

Left Out: 50.995+/-0.984 χ^2/NDF:412.1/18

Right Out: 35.692+/-1.317 χ^2/NDF: 253.2/18

Left In: 56.097+/-1.048 χ^2/NDF:323.4/17

Left: 53.385+/-0.717 χ^2/NDF: 748.1/36

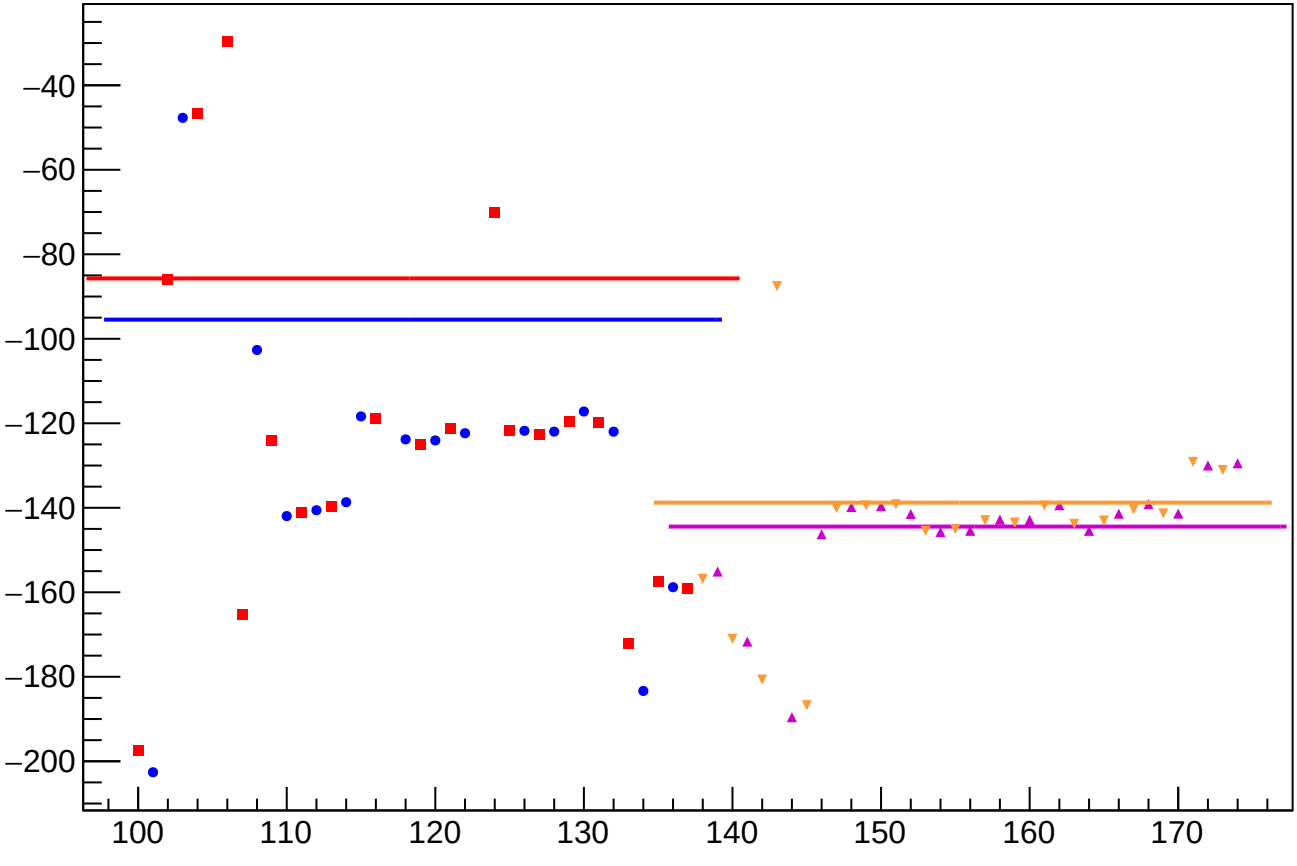
Right: 38.321+/-0.958 χ^2/NDF: 507.4/34

In: 50.764+/-0.838 χ^2/NDF:641.1/33

Out: 45.513+/-0.788 χ^2/NDF:751.9/37

All: 47.977+/-0.574 χ^2/NDF: 1413.9/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -95.468+/-0.069 χ^2/NDF: 519953.8/15

Left Out: -138.785+/-0.047 χ^2/NDF:236293.3/18

Right Out: -85.716+/-0.067 χ^2/NDF: 482604.9/18

Left In: -144.451+/-0.048 χ^2/NDF:67655.5/17

Left: -141.546+/-0.034 χ^2/NDF: 311091.2/36

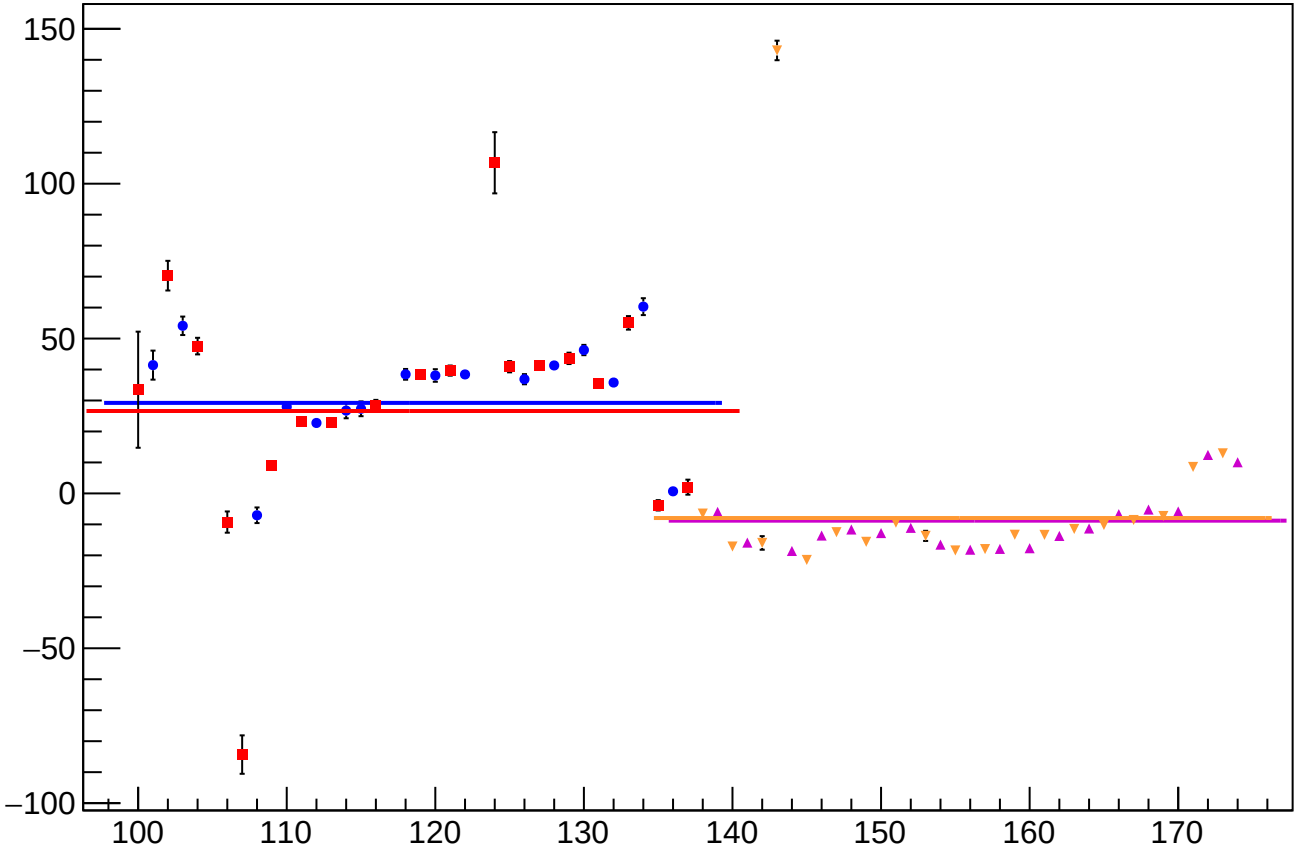
Right: -90.413+/-0.048 χ^2/NDF: 1012777.7/34

In: -128.617+/-0.039 χ^2/NDF:924229.1/33

Out: -121.366+/-0.038 χ^2/NDF:1140976.8/37

All: -124.886+/-0.028 χ^2/NDF: 2082556.8/71

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.947+/-0.339 χ^2/NDF:3007.7/18

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -8.799+/-0.331 χ^2/NDF:770.2/17

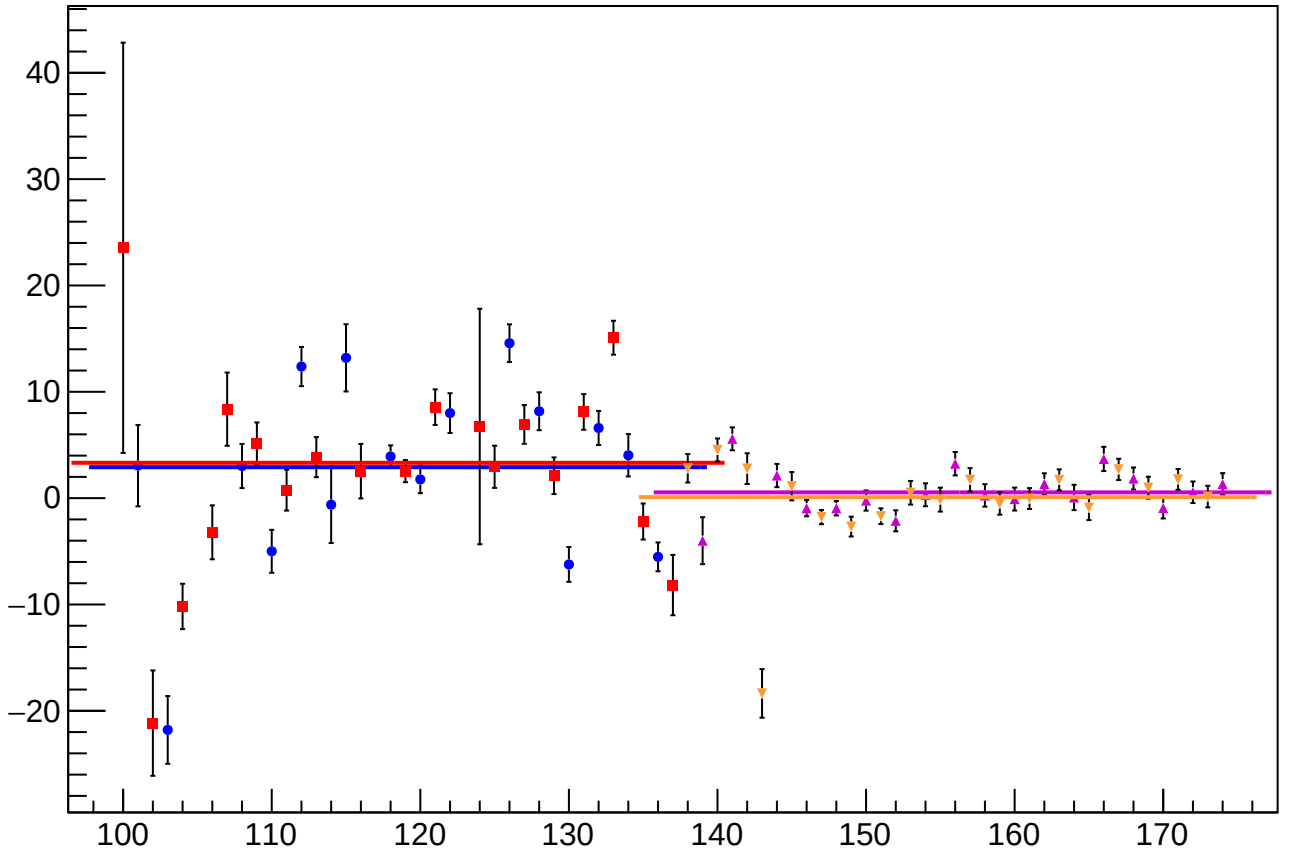
Left: -8.384+/-0.237 χ^2/NDF: 3781.2/36

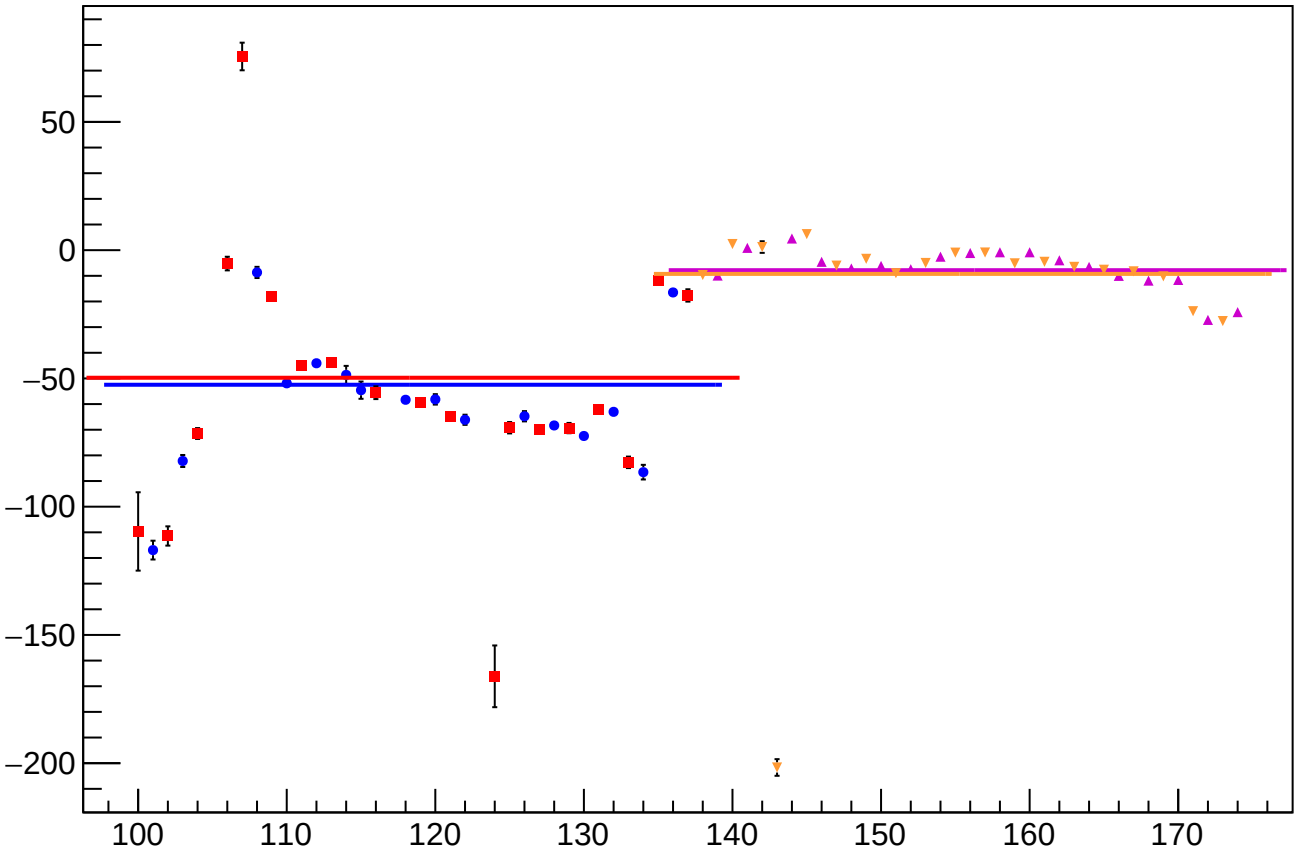
Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.569+/-0.261 χ^2/NDF:7111.5/33

Out: 5.919+/-0.262 χ^2/NDF:9098.0/37

All: 5.743+/-0.185 χ^2/NDF: 16210.4/71


reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
110
120
130
140
150
160
170
Right In: 2.912+/-0.442 χ²/NDF: 250.0/15
Left Out: 0.095+/-0.236 χ²/NDF:129.4/18
Right Out: 3.326+/-0.454 χ²/NDF: 181.8/18
Left In: 0.543+/-0.238 χ²/NDF:63.9/17
Left: 0.317+/-0.168 χ²/NDF: 195.1/36
Right: 3.114+/-0.317 χ²/NDF: 432.2/34
In: 1.075+/-0.210 χ²/NDF:336.2/33
Out: 0.784+/-0.209 χ²/NDF:351.1/37
All: 0.929+/-0.148 χ²/NDF: 688.2/71



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.252+/-0.332 χ^2/NDF:4135.9/18

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -7.805+/-0.325 χ^2/NDF:591.1/17

Left: -8.513+/-0.232 χ^2/NDF: 4736.7/36

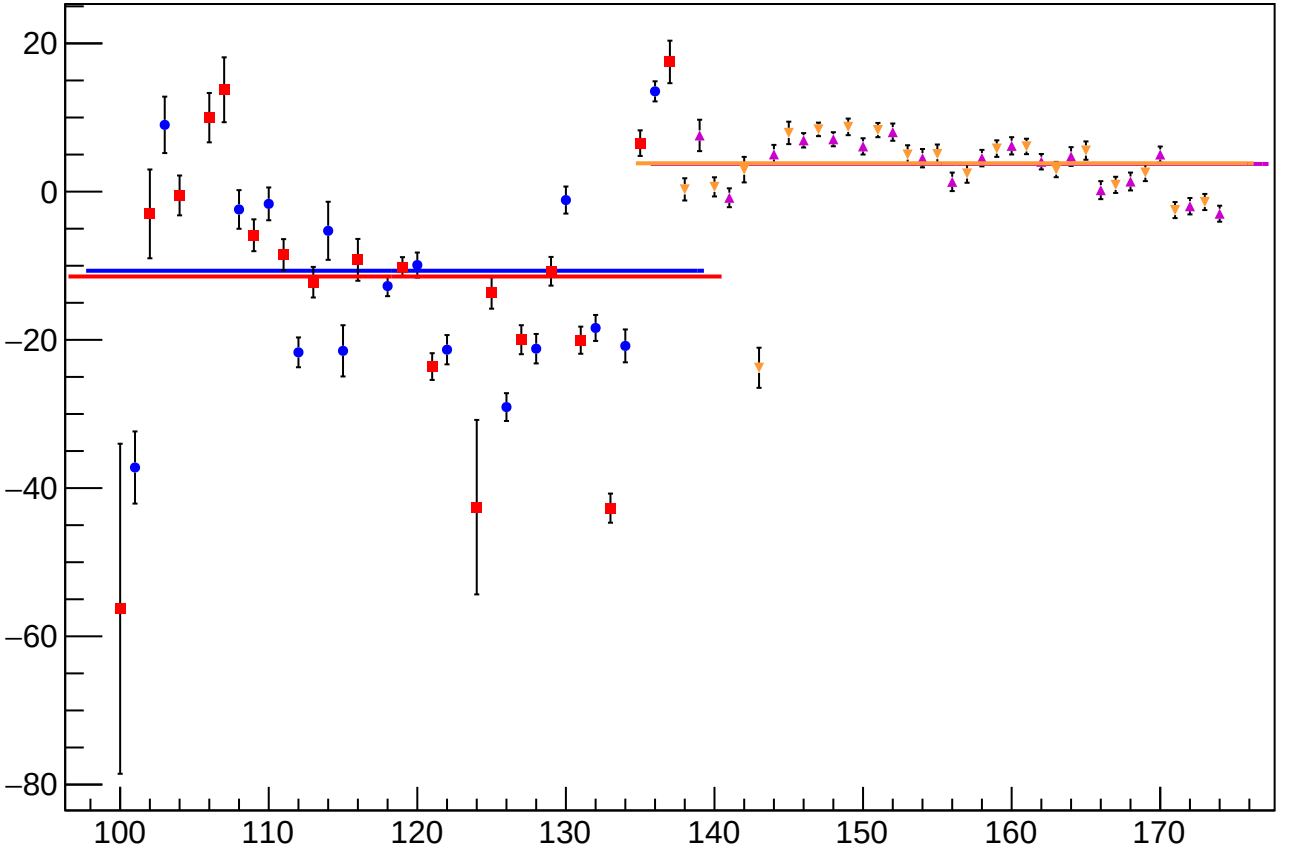
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.552+/-0.271 χ^2/NDF:8724.3/33

Out: -21.861+/-0.276 χ^2/NDF:11768.4/37

All: -21.704+/-0.193 χ^2/NDF: 20493.3/71

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: 3.823+/-0.272 χ^2/NDF:268.0/18

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.734+/-0.272 χ^2/NDF:147.2/17

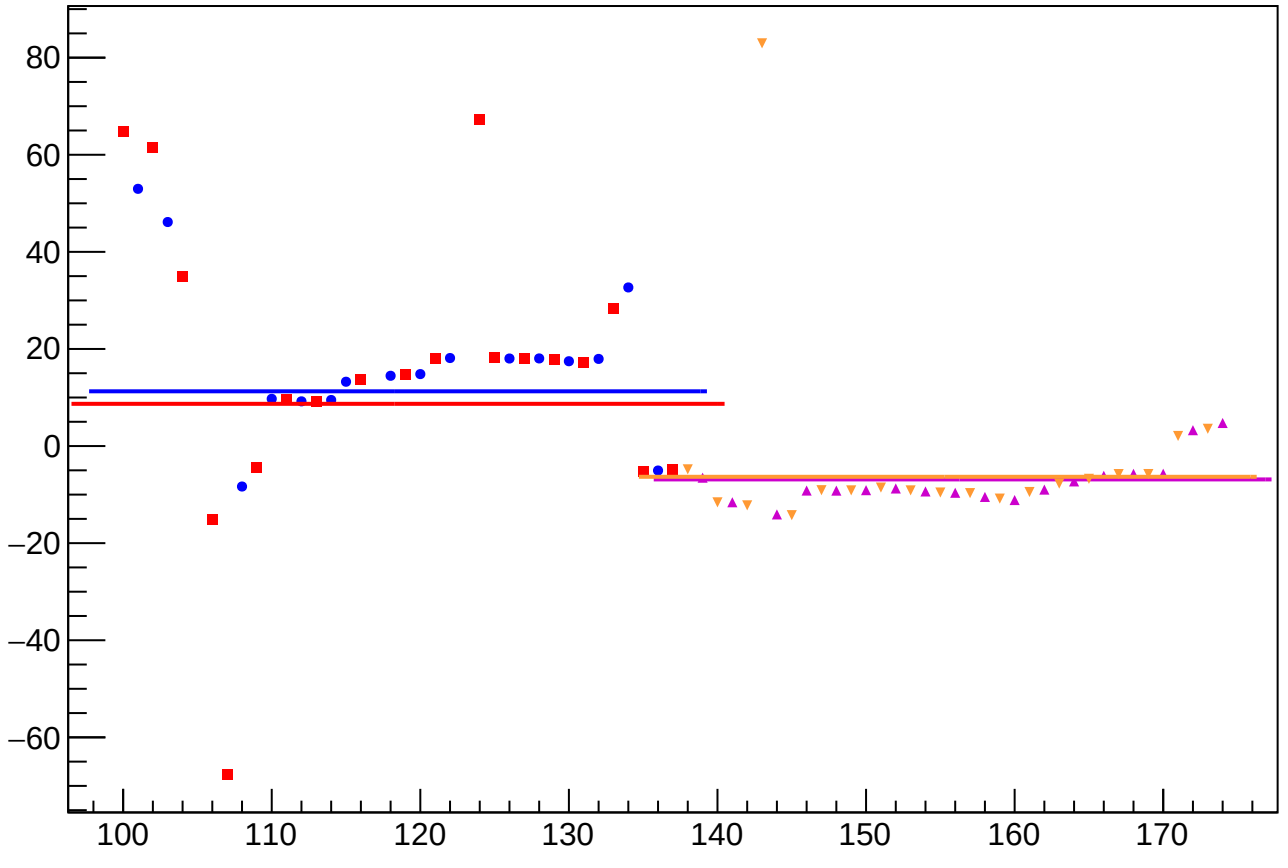
Left: 3.779+/-0.193 χ^2/NDF: 415.2/36

Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.490+/-0.240 χ^2/NDF:1443.3/33

Out: 0.500+/-0.241 χ^2/NDF:1619.1/37

All: 0.495+/-0.170 χ^2/NDF: 3062.3/71



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.331+/-0.012 χ^2/NDF:575745.9/18

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.873+/-0.012 χ^2/NDF:160685.9/17

Left: -6.609+/-0.009 χ^2/NDF: 737430.9/36

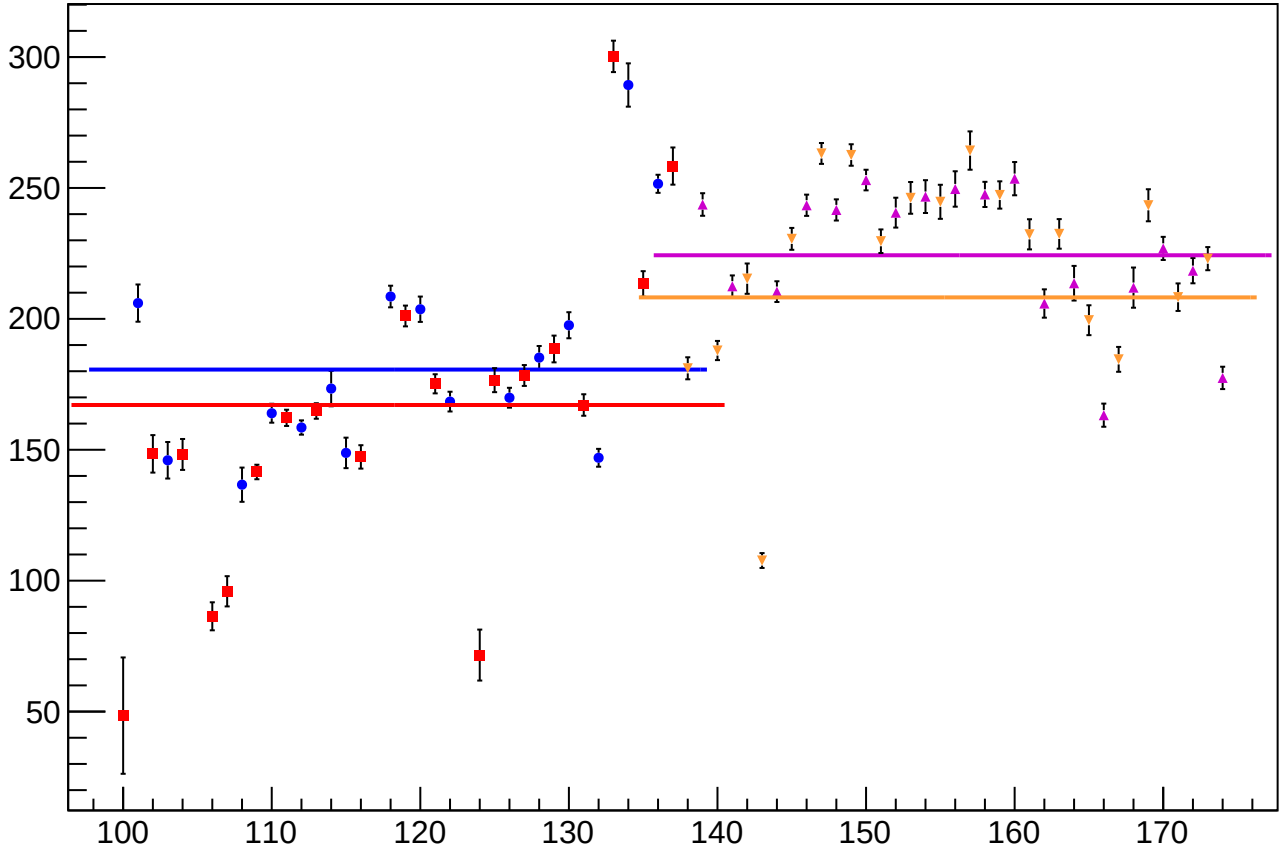
Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.368+/-0.011 χ^2/NDF:827181.1/33

Out: -4.341+/-0.011 χ^2/NDF:1210376.1/37

All: -4.355+/-0.008 χ^2/NDF: 2037560.2/71

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 208.201+/-1.072 χ^2/NDF:2034.4/18

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

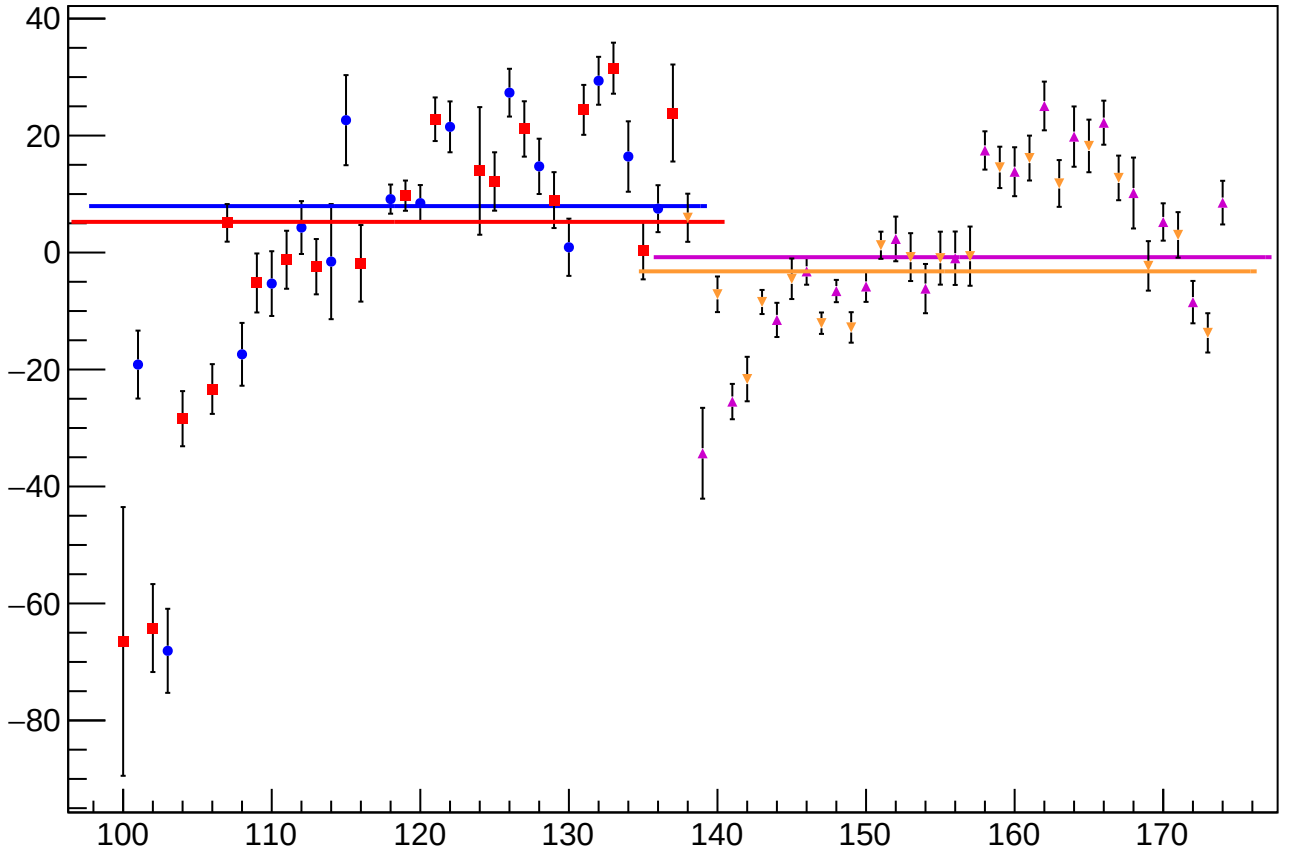
Left: 215.822+/-0.778 χ^2/NDF: 2684.9/36

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.665+/-0.784 χ^2/NDF:2310.5/33

Out: 186.648+/-0.739 χ^2/NDF:4289.8/37

All: 193.711+/-0.538 χ^2/NDF: 6794.5/71



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.215+/-0.731 χ^2/NDF:195.7/18

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

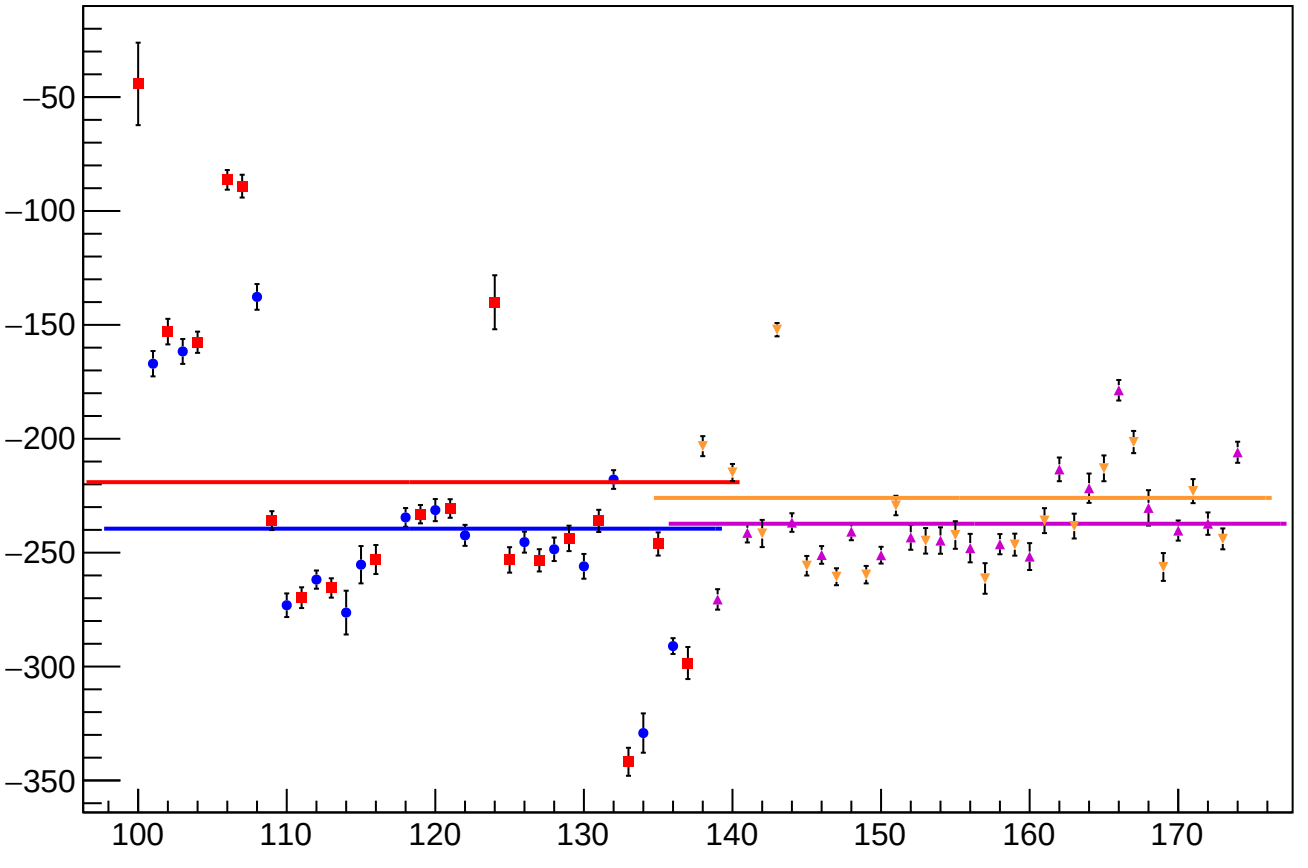
Left: -2.092+/-0.535 χ^2/NDF: 468.6/36

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.114+/-0.642 χ^2/NDF:541.8/33

Out: -0.496+/-0.602 χ^2/NDF:541.7/37

All: 0.725+/-0.439 χ^2/NDF: 1092.2/71



Right In: -239.468+/-1.245 χ^2/NDF: 1162.2/15

Left Out: -225.964+/-1.059 χ^2/NDF:1037.3/18

Right Out: -219.053+/-1.176 χ^2/NDF: 3049.3/18

Left In: -237.302+/-1.111 χ^2/NDF:341.9/17

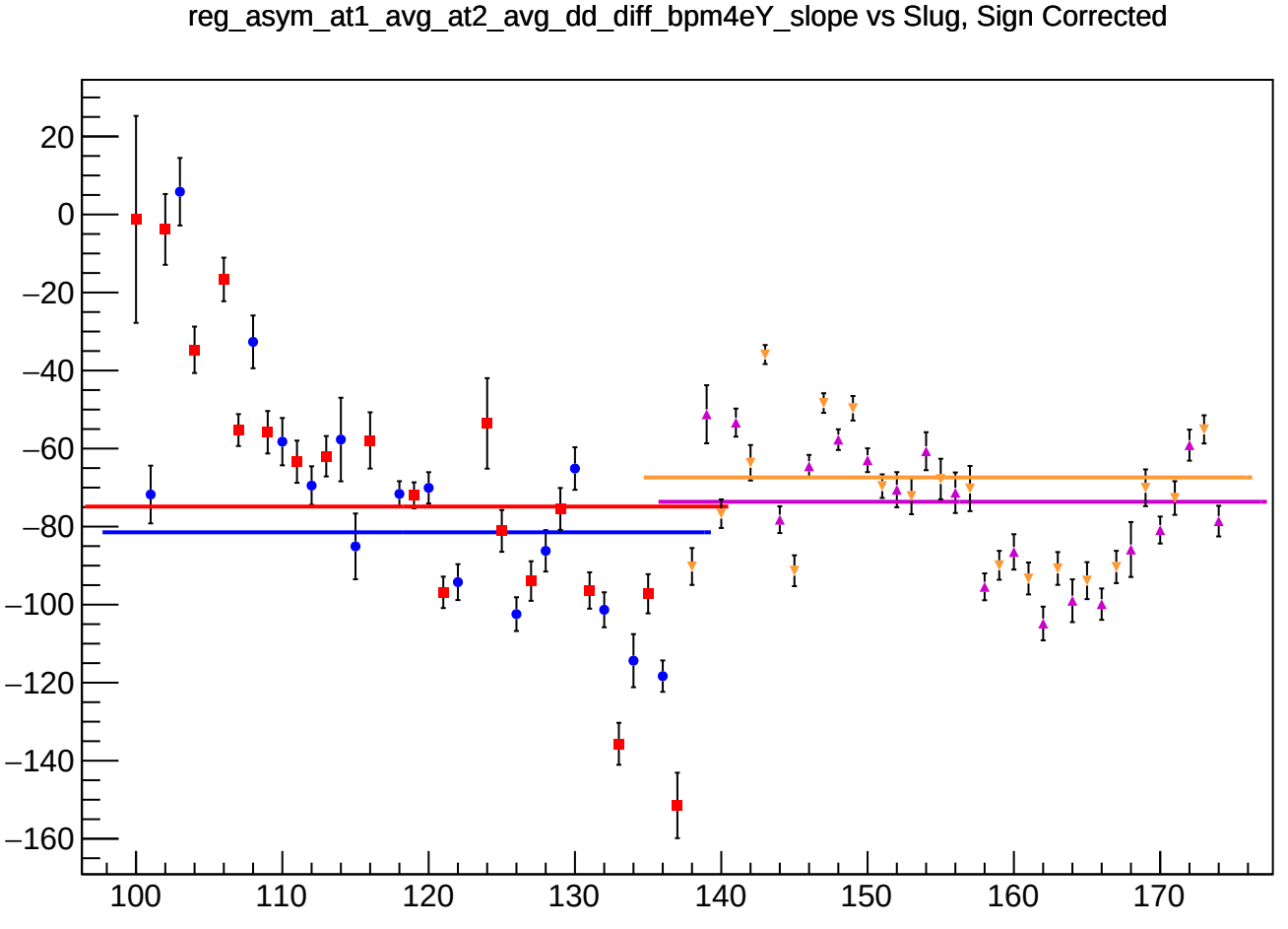
Left: -231.362+/-0.767 χ^2/NDF: 1433.7/36

Right: -228.679+/-0.855 χ^2/NDF: 4353.5/34

In: -238.262+/-0.829 χ^2/NDF:1505.8/33

Out: -222.869+/-0.787 χ^2/NDF:4105.6/37

All: -230.166+/-0.571 χ^2/NDF: 5792.8/71


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
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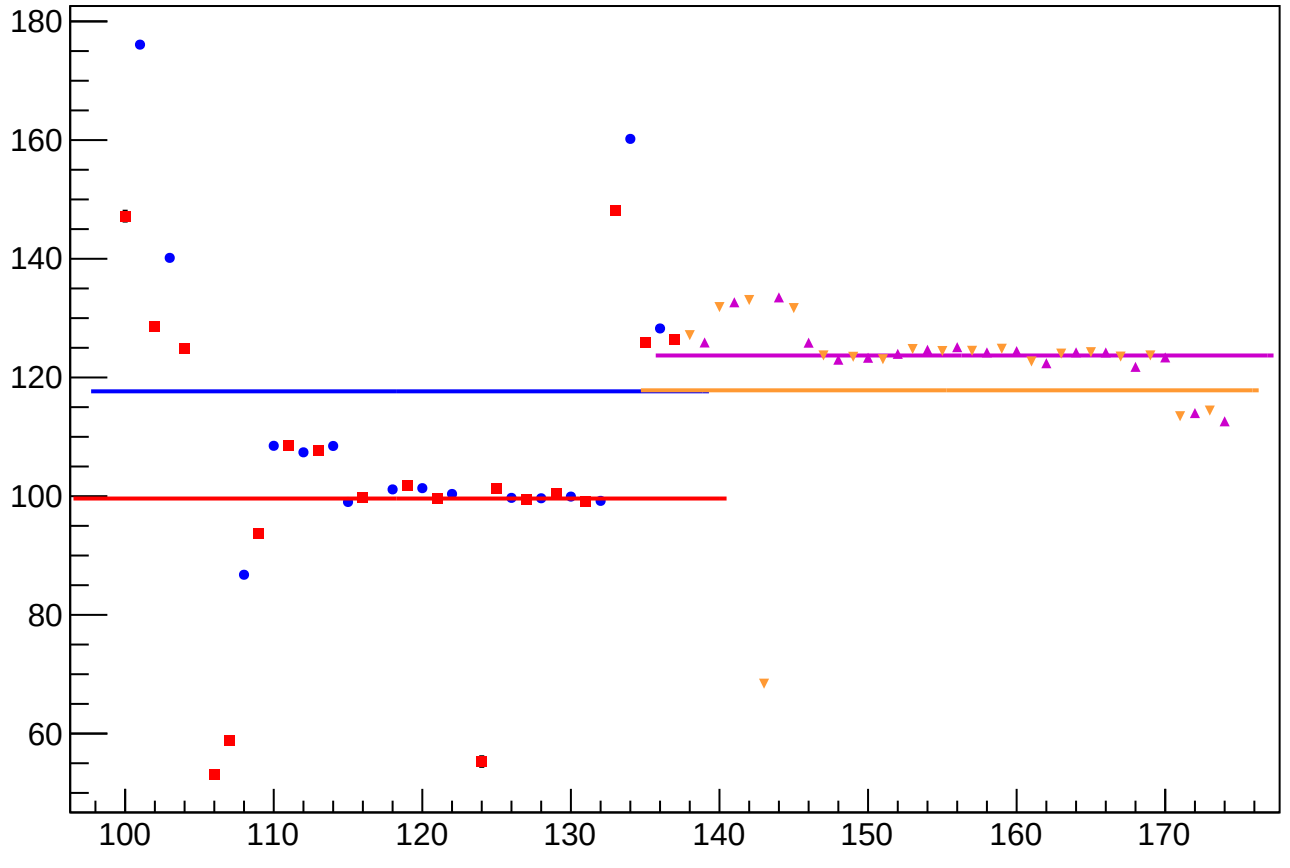
170
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -67.395+/-0.860 χ²/NDF:508.7/18
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -73.633+/-0.916 χ²/NDF:295.3/17
Left: -70.319+/-0.627 χ²/NDF: 828.6/36
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -76.266+/-0.746 χ²/NDF:686.3/33
Out: -69.848+/-0.705 χ²/NDF:1110.0/37
All: -72.875+/-0.512 χ²/NDF: 1835.5/71



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.836+/-0.041 χ^2/NDF:199236.9/18

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

Left: 120.692+/-0.029 χ^2/NDF: 223428.8/36

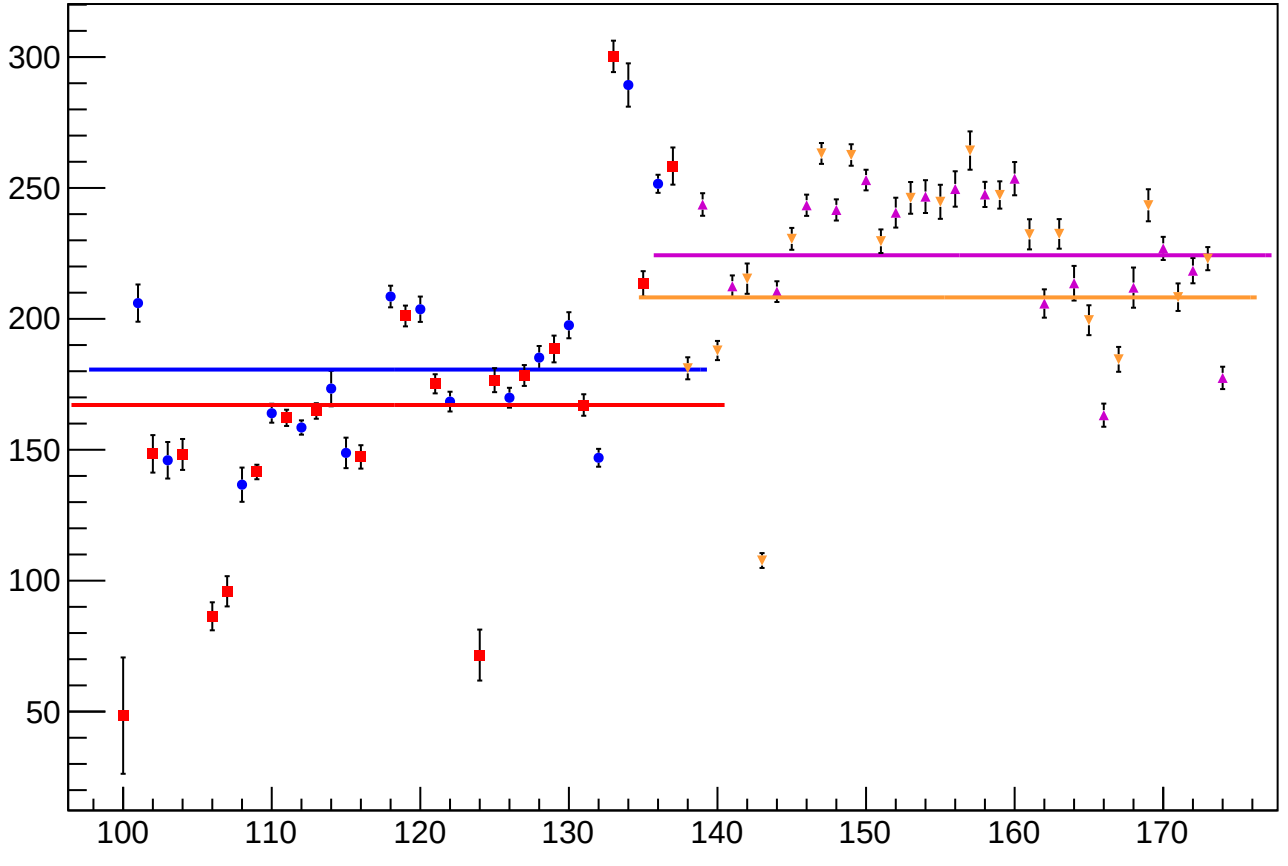
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.361+/-0.037 χ^2/NDF:114134.9/33

Out: 113.246+/-0.035 χ^2/NDF:415794.5/37

All: 117.595+/-0.026 χ^2/NDF: 561786.9/71

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 180.634+/-1.090 χ^2/NDF: 993.4/15

Left Out: 208.201+/-1.072 χ^2/NDF:2034.4/18

Right Out: 167.102+/-1.021 χ^2/NDF: 1484.6/18

Left In: 224.293+/-1.130 χ^2/NDF:543.8/17

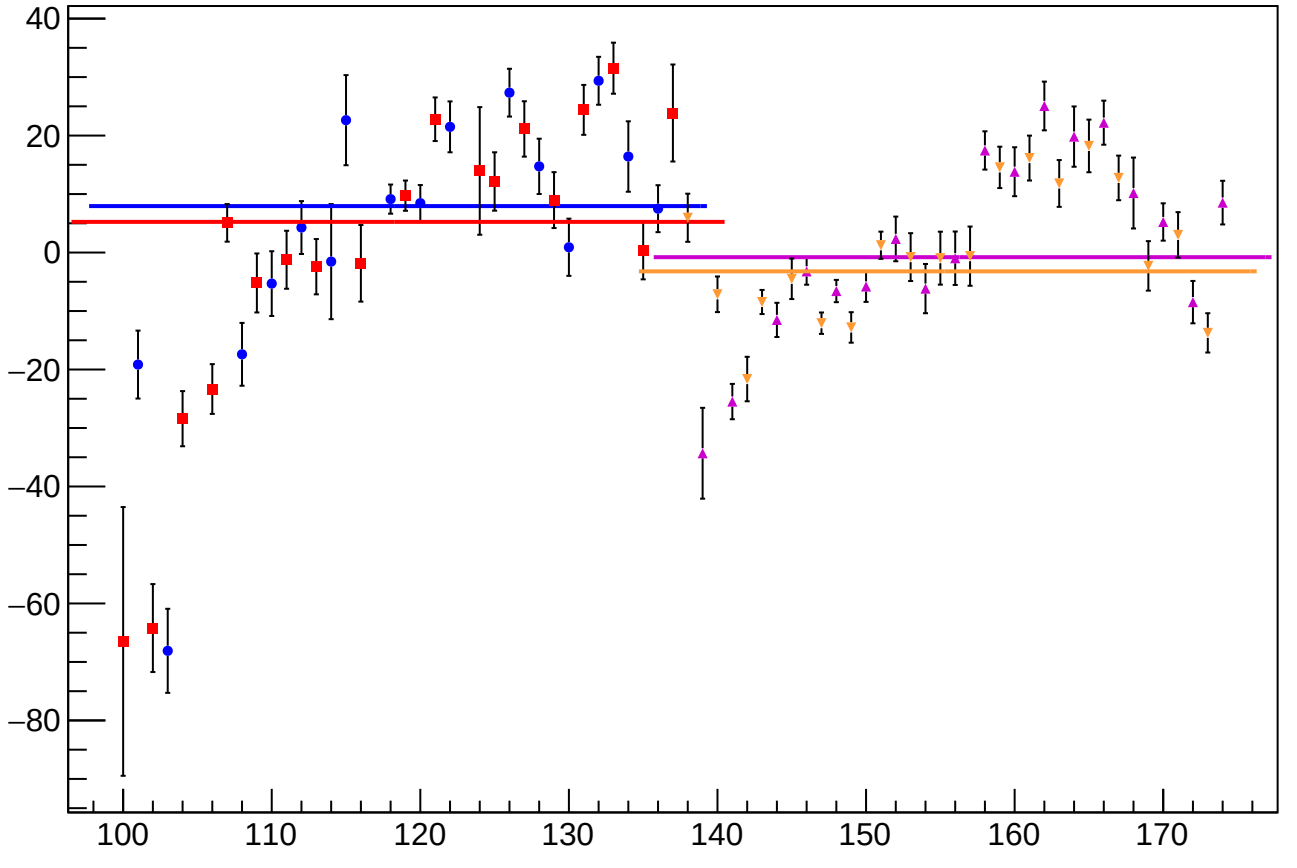
Left: 215.822+/-0.778 χ^2/NDF: 2684.9/36

Right: 173.427+/-0.745 χ^2/NDF: 2560.1/34

In: 201.665+/-0.784 χ^2/NDF:2310.5/33

Out: 186.648+/-0.739 χ^2/NDF:4289.8/37

All: 193.711+/-0.538 χ^2/NDF: 6794.5/71



Right In: 7.942+/-1.113 χ^2/NDF: 232.9/15

Left Out: -3.215+/-0.731 χ^2/NDF:195.7/18

Right Out: 5.244+/-1.062 χ^2/NDF: 302.9/18

Left In: -0.793+/-0.786 χ^2/NDF:267.8/17

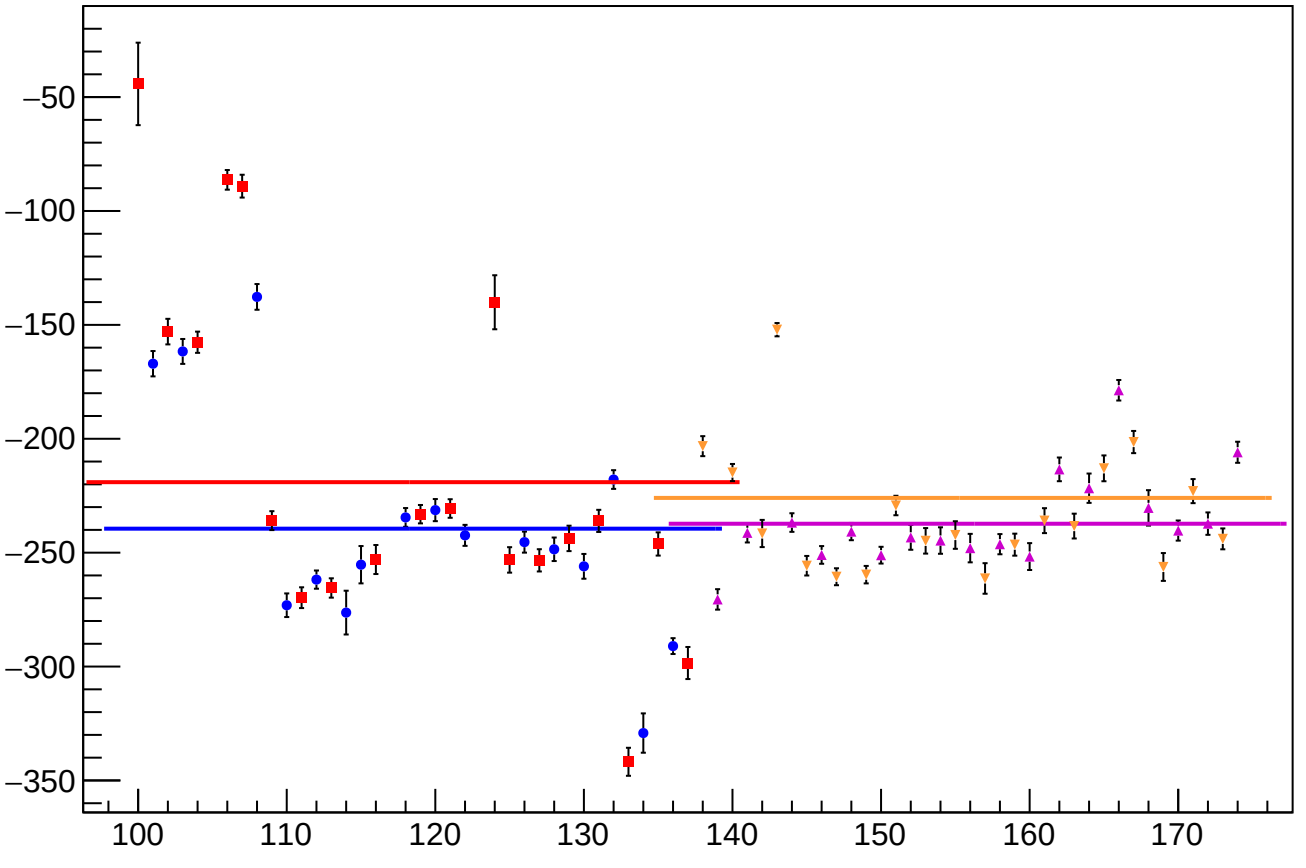
Left: -2.092+/-0.535 χ^2/NDF: 468.6/36

Right: 6.530+/-0.768 χ^2/NDF: 538.9/34

In: 2.114+/-0.642 χ^2/NDF:541.8/33

Out: -0.496+/-0.602 χ^2/NDF:541.7/37

All: 0.725+/-0.439 χ^2/NDF: 1092.2/71


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−50
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−250
−300
−350
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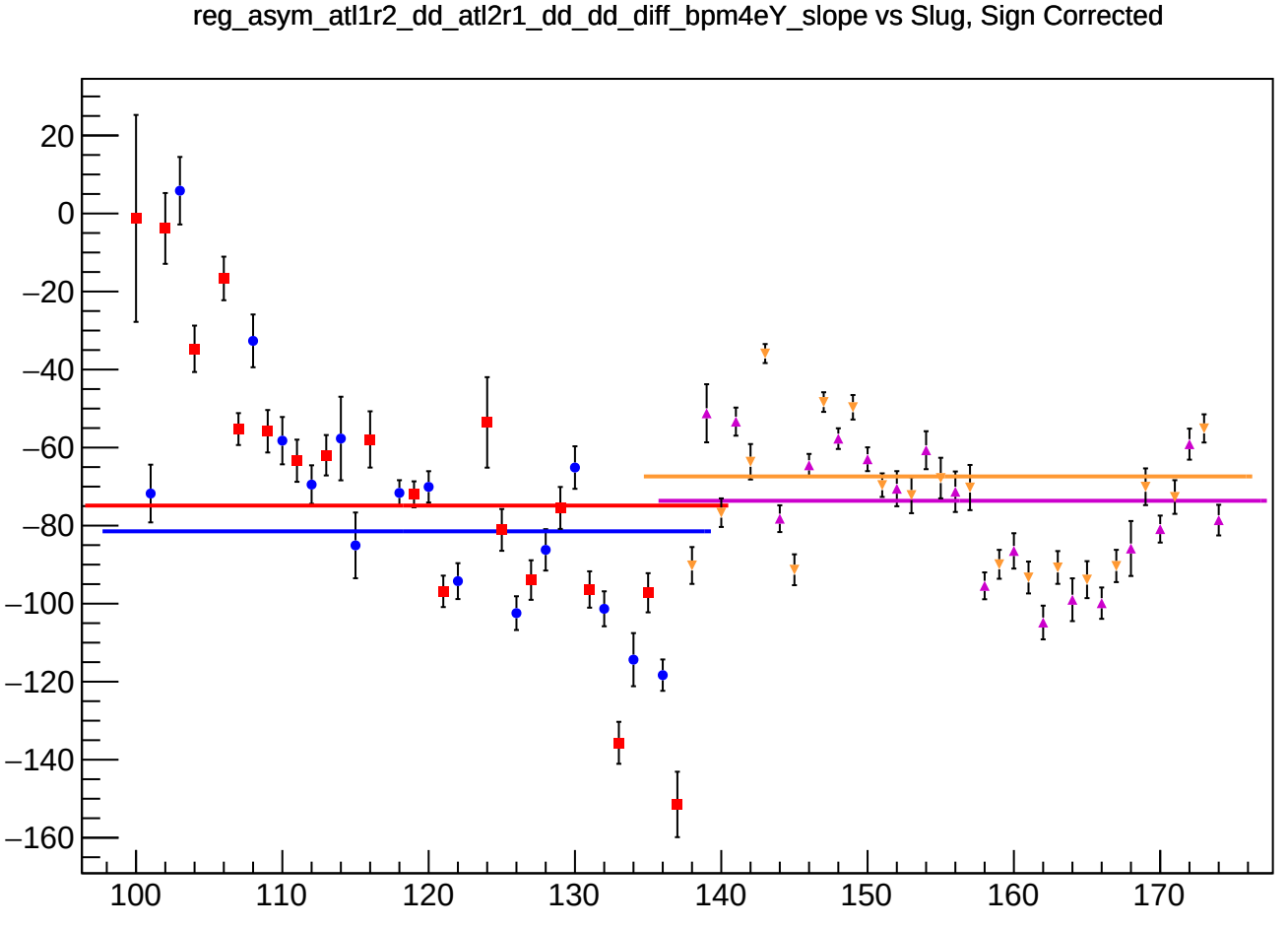
170
Right In: -239.468+/-1.245 χ2/NDF: 1162.2/15
Left Out: -225.964+/-1.059 χ2/NDF:1037.3/18
Right Out: -219.053+/-1.176 χ2/NDF: 3049.3/18
Left In: -237.302+/-1.111 χ2/NDF:341.9/17
Left: -231.362+/-0.767 χ2/NDF: 1433.7/36
Right: -228.679+/-0.855 χ2/NDF: 4353.5/34
In: -238.262+/-0.829 χ2/NDF:1505.8/33
Out: -222.869+/-0.787 χ2/NDF:4105.6/37
All: -230.166+/-0.571 χ2/NDF: 5792.8/71


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
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−100
−120
−140
−160
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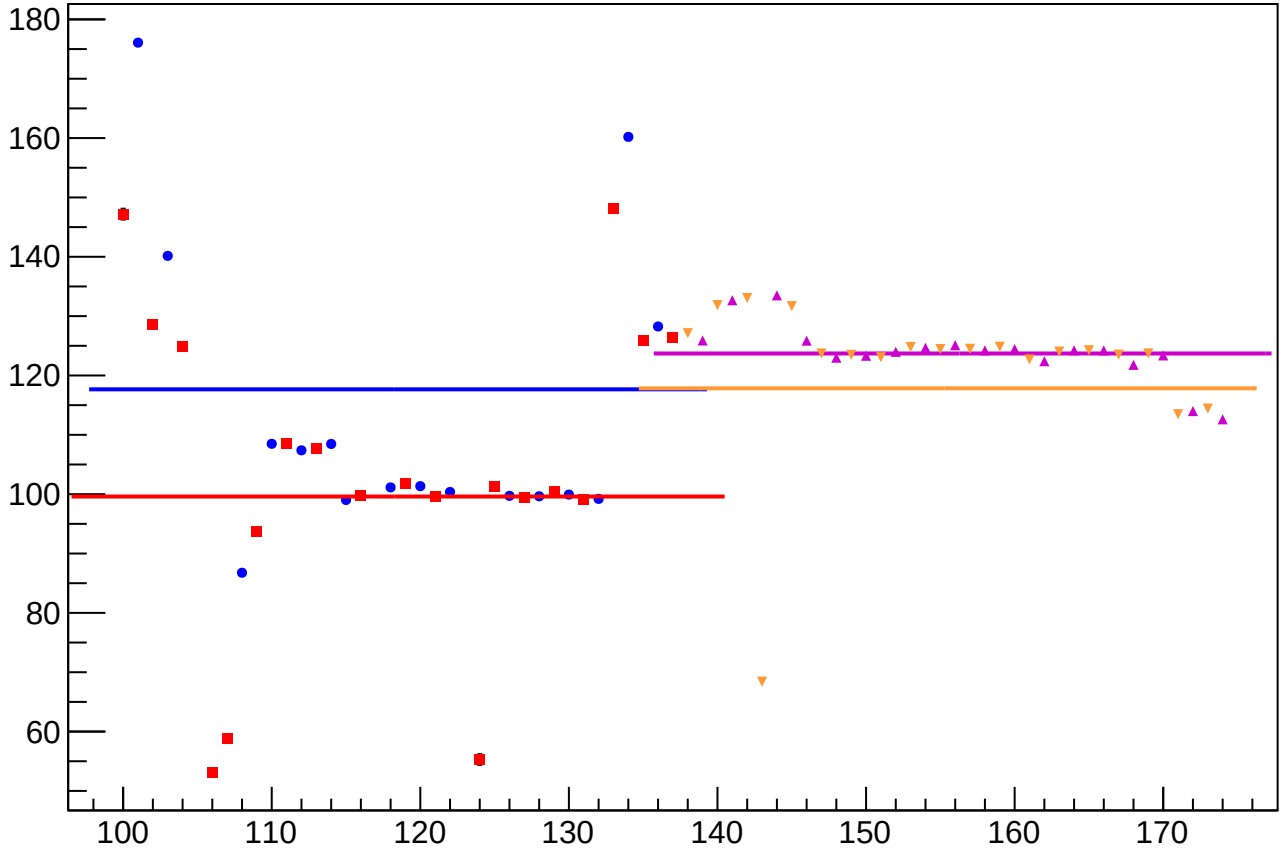
Right In: -81.462+/-1.287 χ²/NDF: 366.5/15
Left Out: -67.395+/-0.860 χ²/NDF:508.7/18
Right Out: -74.861+/-1.230 χ²/NDF: 576.6/18
Left In: -73.633+/-0.916 χ²/NDF:295.3/17
Left: -70.319+/-0.627 χ²/NDF: 828.6/36
Right: -78.013+/-0.889 χ²/NDF: 956.9/34
In: -76.266+/-0.746 χ²/NDF:686.3/33
Out: -69.848+/-0.705 χ²/NDF:1110.0/37
All: -72.875+/-0.512 χ²/NDF: 1835.5/71

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 117.666+/-0.078 χ^2/NDF: 95397.2/15

Left Out: 117.836+/-0.041 χ^2/NDF:199236.9/18

Right Out: 99.604+/-0.070 χ^2/NDF: 166236.0/18

Left In: 123.706+/-0.042 χ^2/NDF:14106.8/17

Left: 120.692+/-0.029 χ^2/NDF: 223428.8/36

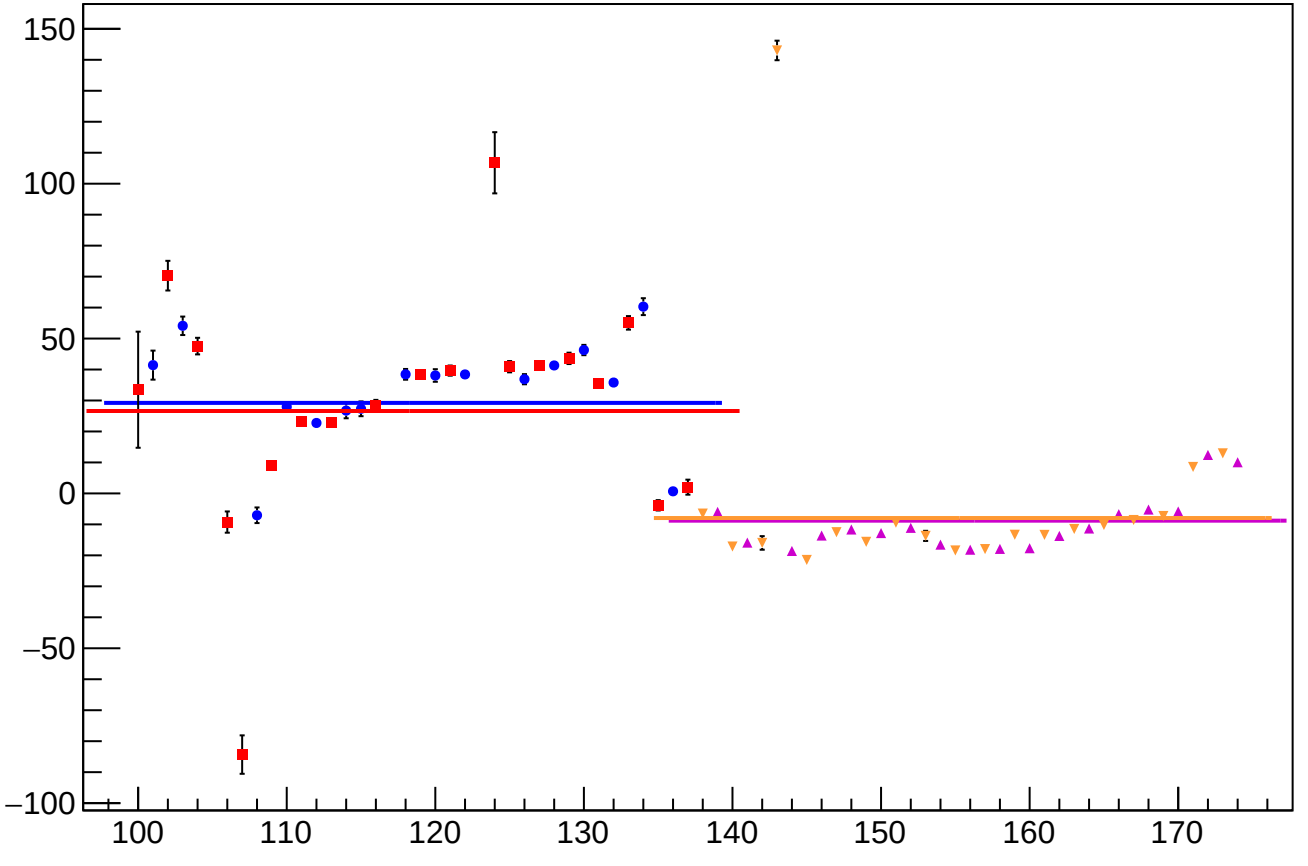
Right: 107.671+/-0.052 χ^2/NDF: 291112.6/34

In: 122.361+/-0.037 χ^2/NDF:114134.9/33

Out: 113.246+/-0.035 χ^2/NDF:415794.5/37

All: 117.595+/-0.026 χ^2/NDF: 561786.9/71

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 29.229+/-0.424 χ^2/NDF: 1342.9/15

Left Out: -7.947+/-0.339 χ^2/NDF:3007.7/18

Right Out: 26.609+/-0.414 χ^2/NDF: 1920.6/18

Left In: -8.799+/-0.331 χ^2/NDF:770.2/17

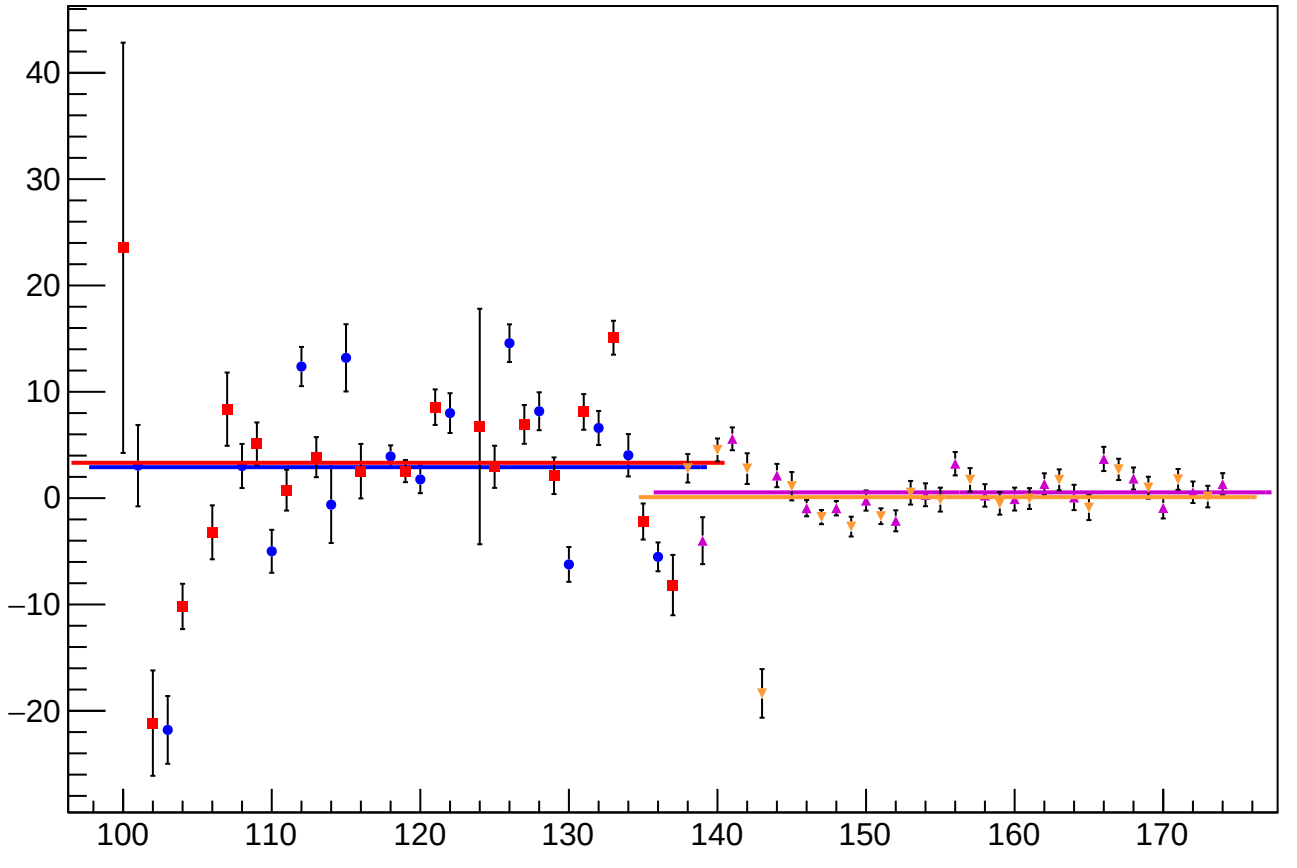
Left: -8.384+/-0.237 χ^2/NDF: 3781.2/36

Right: 27.887+/-0.296 χ^2/NDF: 3283.1/34

In: 5.569+/-0.261 χ^2/NDF:7111.5/33

Out: 5.919+/-0.262 χ^2/NDF:9098.0/37

All: 5.743+/-0.185 χ^2/NDF: 16210.4/71



Right In: 2.912+/-0.442 χ^2/NDF: 250.0/15

Left Out: 0.095+/-0.236 χ^2/NDF:129.4/18

Right Out: 3.326+/-0.454 χ^2/NDF: 181.8/18

Left In: 0.543+/-0.238 χ^2/NDF:63.9/17

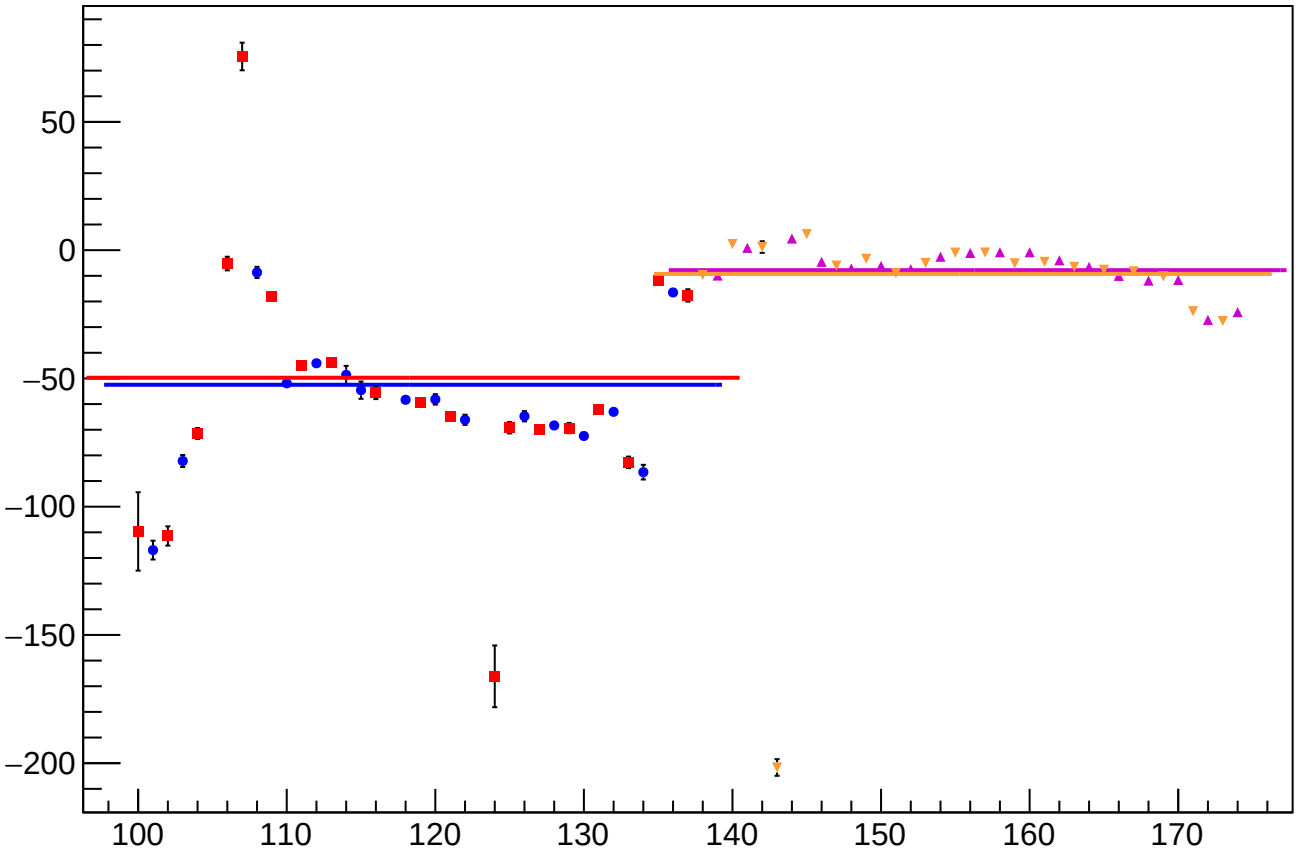
Left: 0.317+/-0.168 χ^2/NDF: 195.1/36

Right: 3.114+/-0.317 χ^2/NDF: 432.2/34

In: 1.075+/-0.210 χ^2/NDF:336.2/33

Out: 0.784+/-0.209 χ^2/NDF:351.1/37

All: 0.929+/-0.148 χ^2/NDF: 688.2/71



Right In: -52.467+/-0.488 χ^2/NDF: 2330.2/15

Left Out: -9.252+/-0.332 χ^2/NDF:4135.9/18

Right Out: -49.734+/-0.494 χ^2/NDF: 3009.7/18

Left In: -7.805+/-0.325 χ^2/NDF:591.1/17

Left: -8.513+/-0.232 χ^2/NDF: 4736.7/36

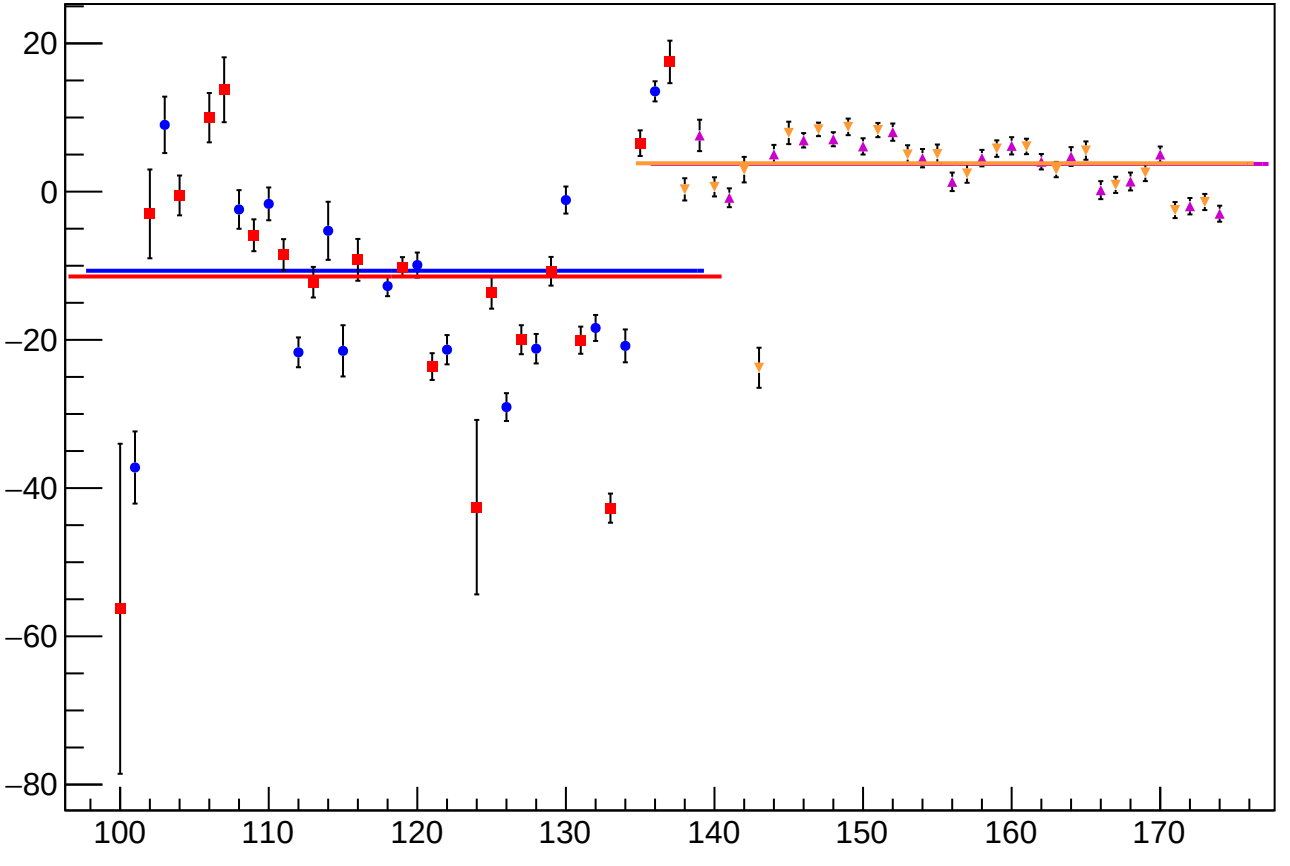
Right: -51.118+/-0.347 χ^2/NDF: 5355.4/34

In: -21.552+/-0.271 χ^2/NDF:8724.3/33

Out: -21.861+/-0.276 χ^2/NDF:11768.4/37

All: -21.704+/-0.193 χ^2/NDF: 20493.3/71

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -10.675+/-0.505 χ^2/NDF: 666.4/15

Left Out: 3.823+/-0.272 χ^2/NDF:268.0/18

Right Out: -11.450+/-0.516 χ^2/NDF: 665.7/18

Left In: 3.734+/-0.272 χ^2/NDF:147.2/17

Left: 3.779+/-0.193 χ^2/NDF: 415.2/36

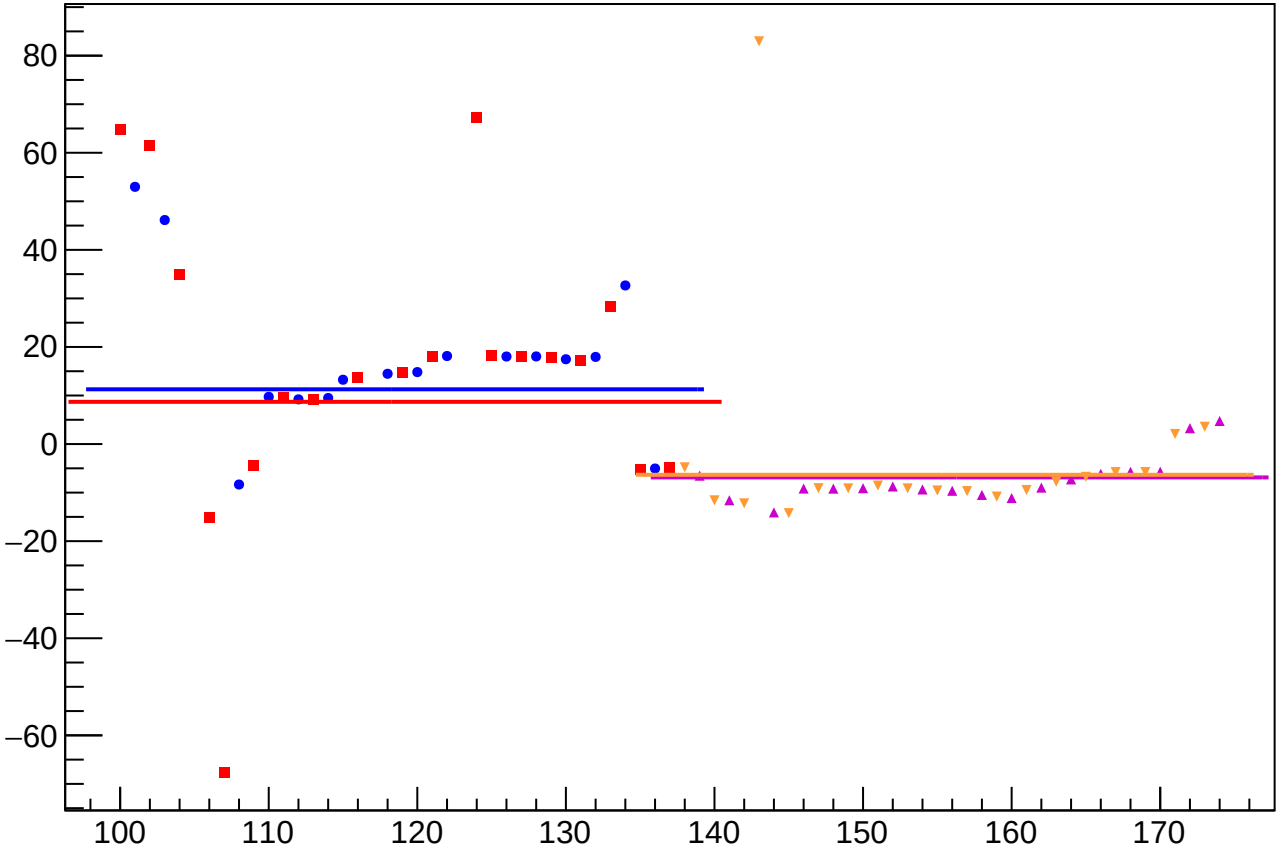
Right: -11.054+/-0.361 χ^2/NDF: 1333.3/34

In: 0.490+/-0.240 χ^2/NDF:1443.3/33

Out: 0.500+/-0.241 χ^2/NDF:1619.1/37

All: 0.495+/-0.170 χ^2/NDF: 3062.3/71

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 11.277+/-0.030 χ^2/NDF: 349346.9/15

Left Out: -6.331+/-0.012 χ^2/NDF:575745.9/18

Right Out: 8.698+/-0.031 χ^2/NDF: 436156.0/18

Left In: -6.873+/-0.012 χ^2/NDF:160685.9/17

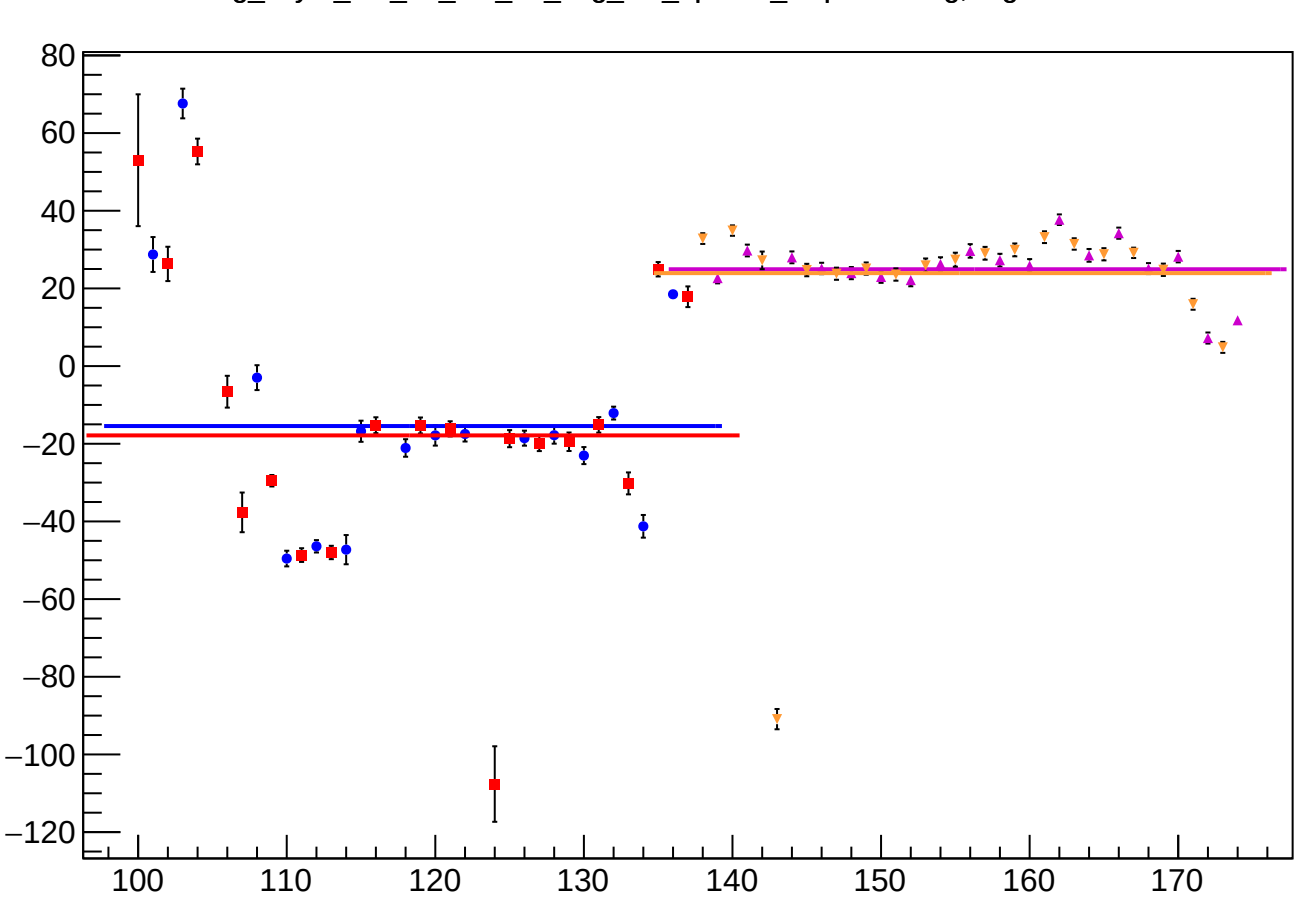
Left: -6.609+/-0.009 χ^2/NDF: 737430.9/36

Right: 10.050+/-0.022 χ^2/NDF: 789035.8/34

In: -4.368+/-0.011 χ^2/NDF:827181.1/33

Out: -4.341+/-0.011 χ^2/NDF:1210376.1/37

All: -4.355+/-0.008 χ^2/NDF: 2037560.2/71



Right In: -15.438+/-0.539 χ^2/NDF: 2124.2/15

Left Out: 23.936+/-0.362 χ^2/NDF:2374.4/18

Right Out: -17.848+/-0.530 χ^2/NDF: 2125.2/18

Left In: 24.935+/-0.354 χ^2/NDF:440.2/17

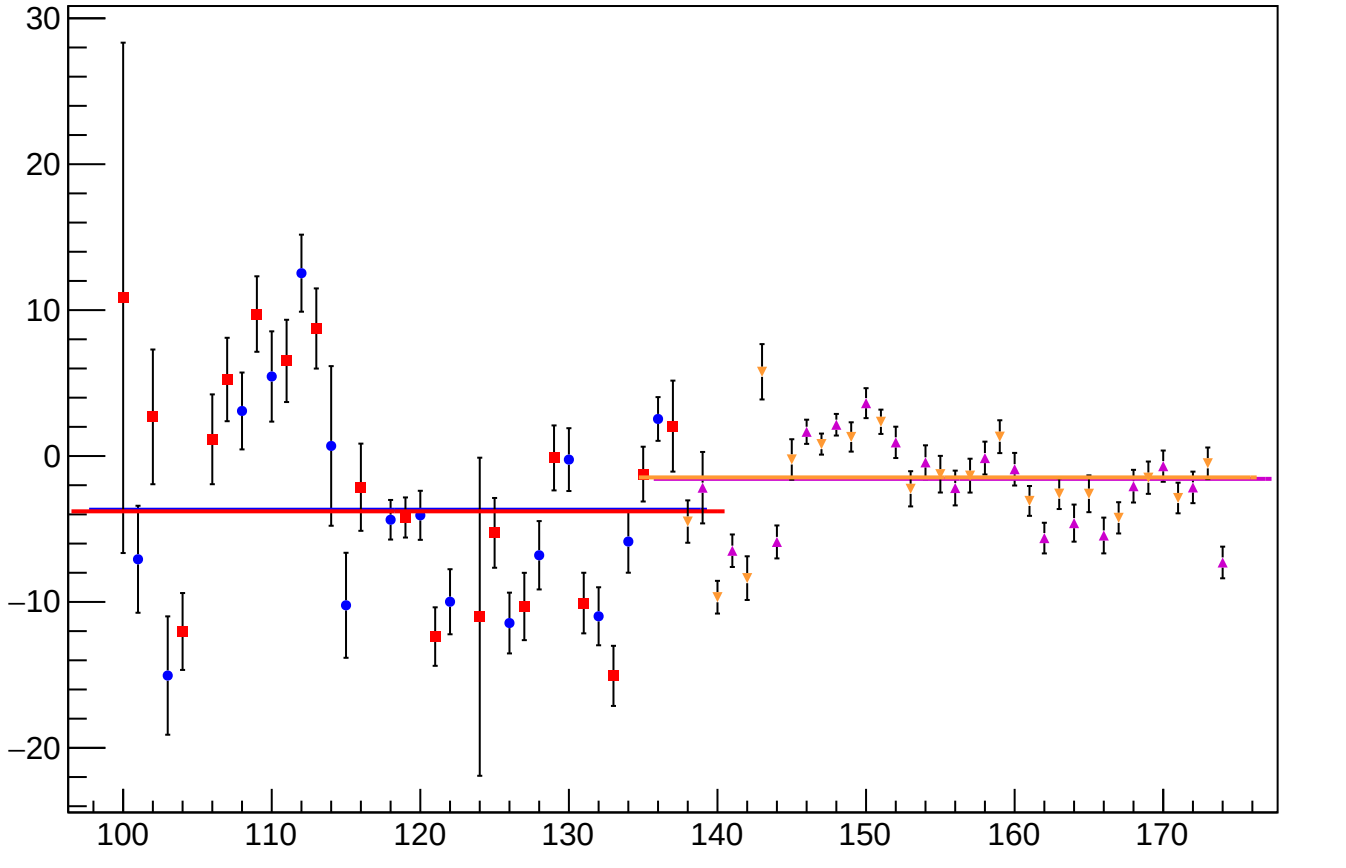
Left: 24.447+/-0.253 χ^2/NDF: 2818.5/36

Right: -16.664+/-0.378 χ^2/NDF: 4259.6/34

In: 12.779+/-0.296 χ^2/NDF:6485.0/33

Out: 10.633+/-0.299 χ^2/NDF:8742.0/37

All: 11.717+/-0.210 χ^2/NDF: 15253.0/71



Right In: -3.679+/-0.552 χ^2/NDF: 124.0/15

Left Out: -1.465+/-0.253 χ^2/NDF:153.5/18

Right Out: -3.790+/-0.564 χ^2/NDF: 161.2/18

Left In: -1.565+/-0.254 χ^2/NDF:168.3/17

Left: -1.515+/-0.179 χ^2/NDF: 321.9/36

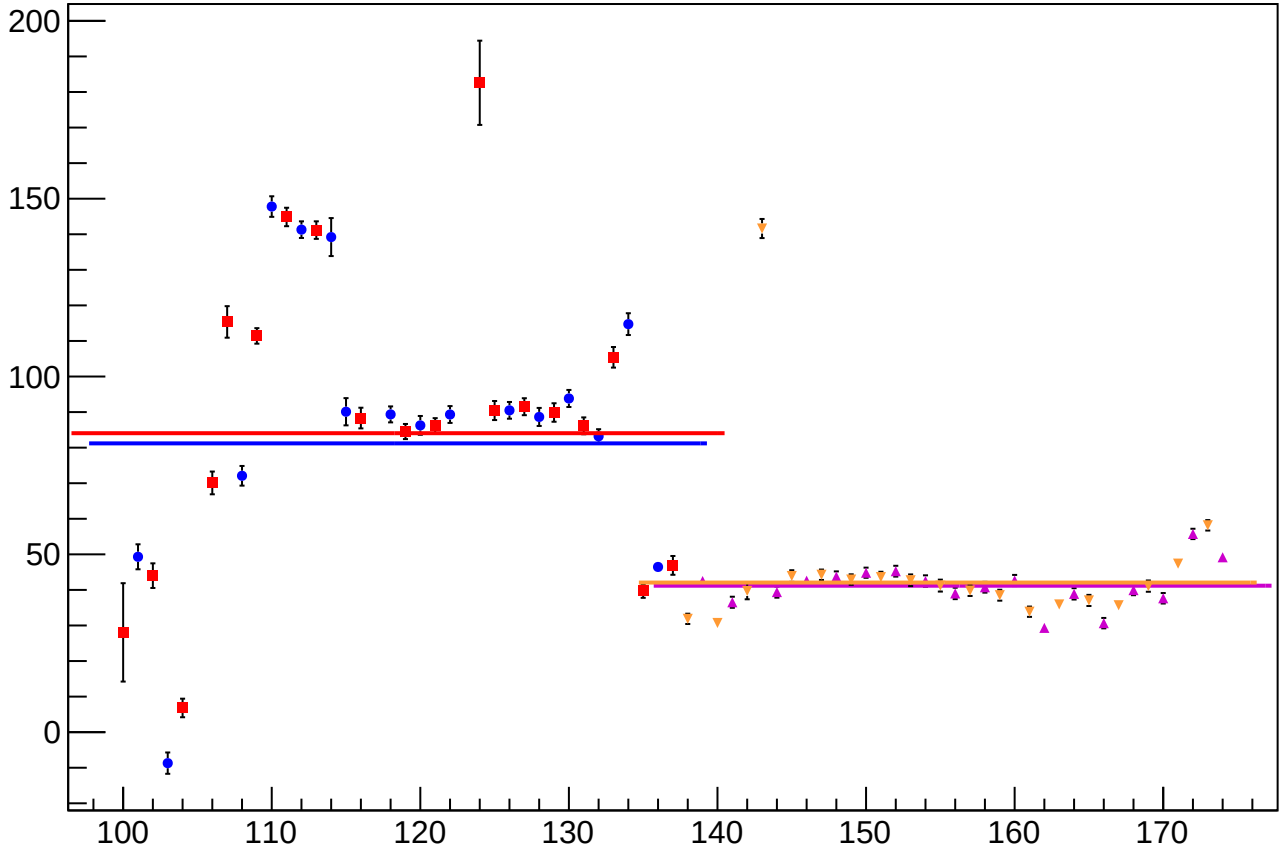
Right: -3.734+/-0.394 χ^2/NDF: 285.2/34

In: -1.936+/-0.231 χ^2/NDF:304.4/33

Out: -1.854+/-0.231 χ^2/NDF:328.9/37

All: -1.895+/-0.163 χ^2/NDF: 633.3/71

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 81.203+/-0.607 χ^2/NDF: 3230.5/15

Left Out: 42.070+/-0.355 χ^2/NDF:1721.8/18

Right Out: 84.065+/-0.616 χ^2/NDF: 3206.5/18

Left In: 41.183+/-0.348 χ^2/NDF:310.9/17

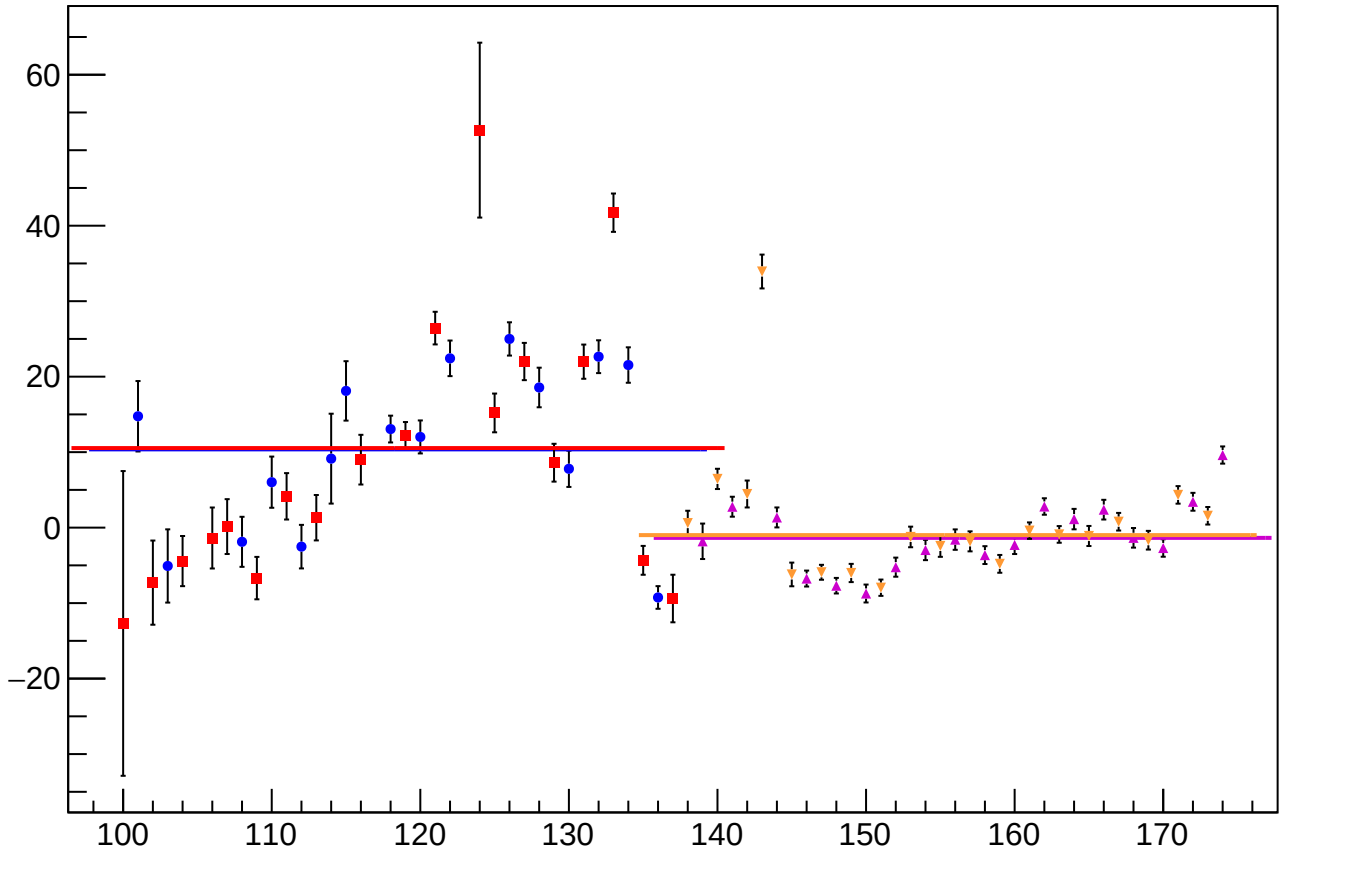
Left: 41.618+/-0.249 χ^2/NDF: 2035.9/36

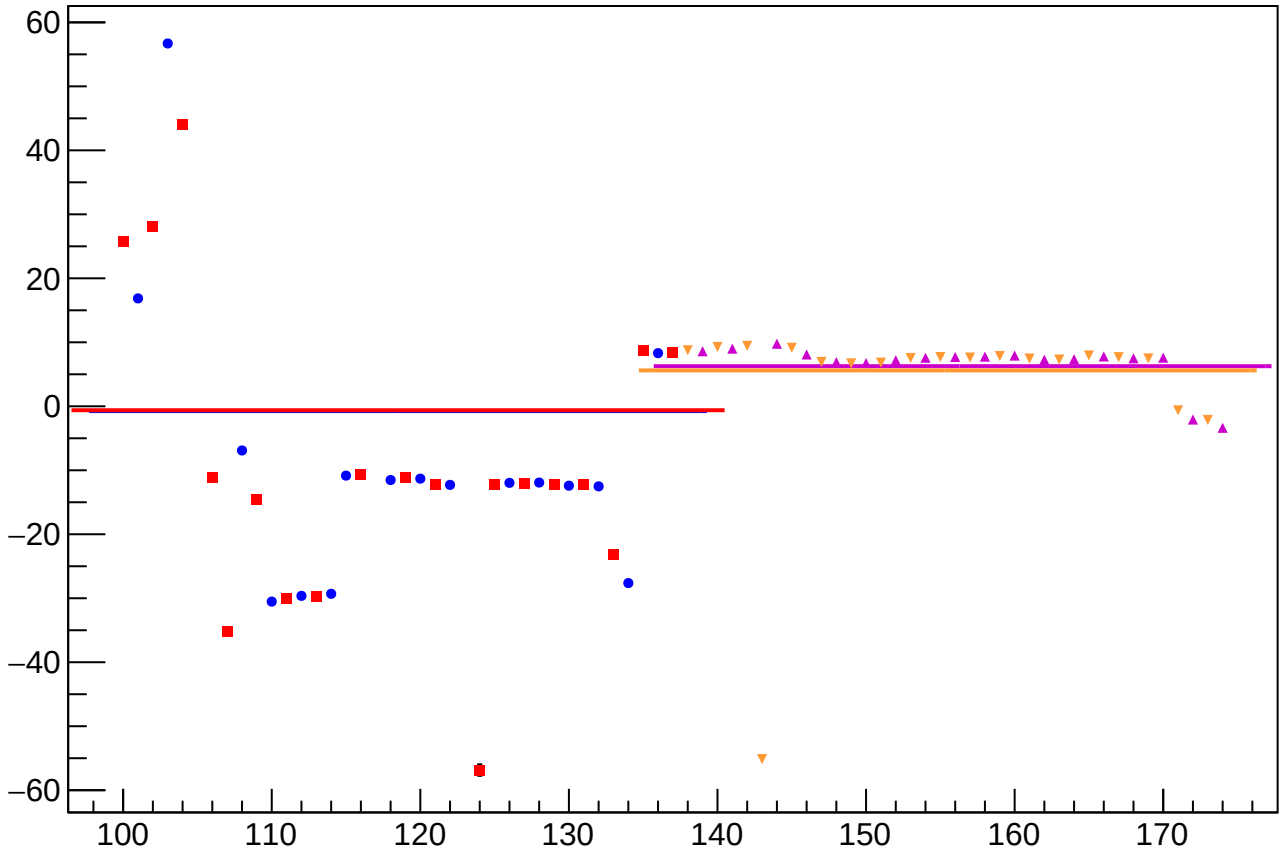
Right: 82.612+/-0.432 χ^2/NDF: 6447.9/34

In: 51.089+/-0.302 χ^2/NDF:6811.7/33

Out: 52.537+/-0.308 χ^2/NDF:8414.5/37

All: 51.800+/-0.216 χ^2/NDF: 15237.4/71


reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 10.367+/-0.627 χ²/NDF: 359.8/15
Left Out: -0.991+/-0.291 χ²/NDF:419.2/18
Right Out: 10.539+/-0.640 χ²/NDF: 470.7/18
Left In: -1.357+/-0.291 χ²/NDF:268.3/17
Left: -1.174+/-0.206 χ²/NDF: 688.3/36
Right: 10.451+/-0.448 χ²/NDF: 830.5/34
In: 0.725+/-0.264 χ²/NDF:916.0/33
Out: 0.982+/-0.265 χ²/NDF:1158.8/37
All: 0.853+/-0.187 χ²/NDF: 2075.3/71



Right In: -0.745+/-0.036 χ^2/NDF: 367993.9/15

Left Out: 5.611+/-0.013 χ^2/NDF:360381.5/18

Right Out: -0.618+/-0.037 χ^2/NDF: 316492.6/18

Left In: 6.268+/-0.013 χ^2/NDF:83689.2/17

Left: 5.947+/-0.009 χ^2/NDF: 445349.3/36

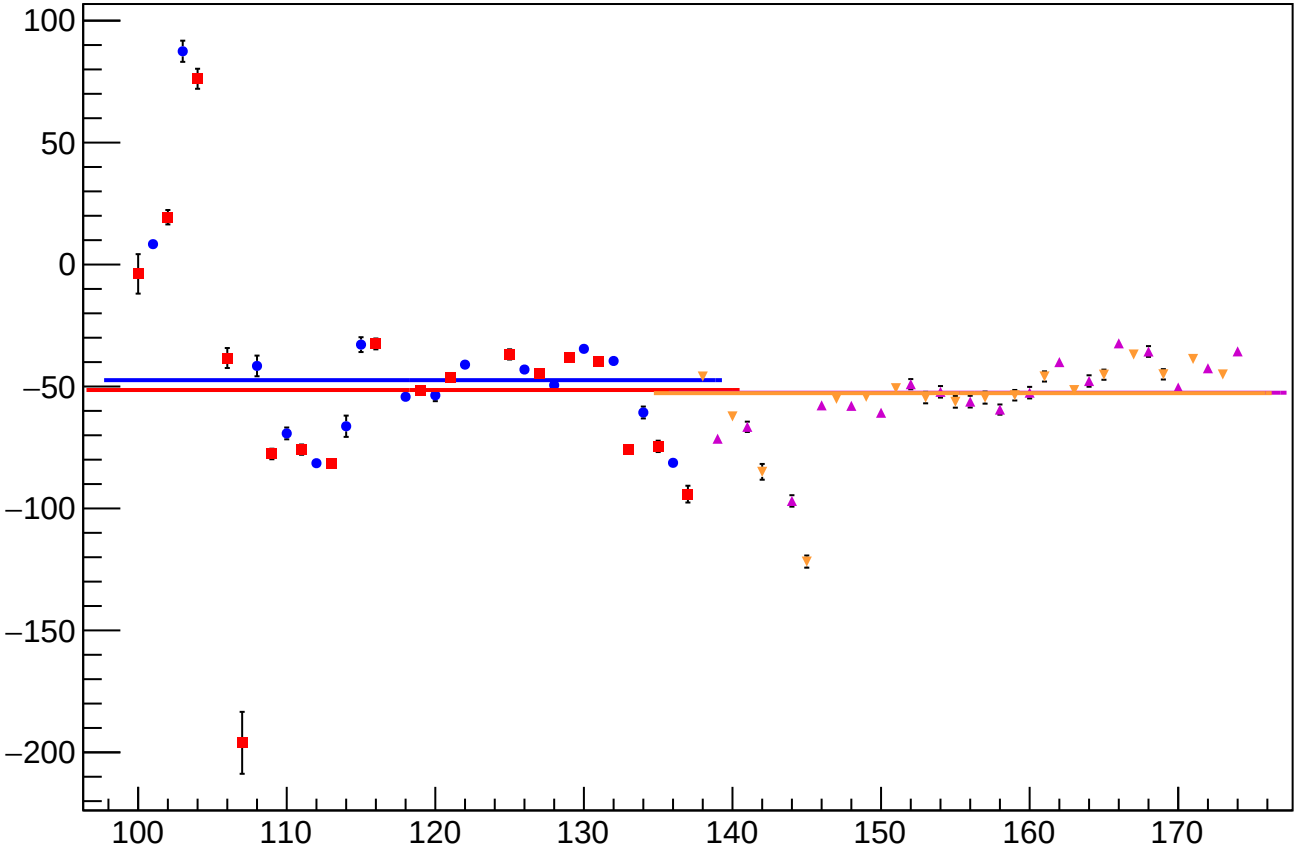
Right: -0.684+/-0.026 χ^2/NDF: 684492.5/34

In: 5.473+/-0.012 χ^2/NDF:485554.0/33

Out: 4.924+/-0.012 χ^2/NDF:701647.0/37

All: 5.206+/-0.009 χ^2/NDF: 1188205.7/71

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -47.398+/-0.535 χ^2/NDF: 2769.0/15

Left Out: -52.729+/-0.485 χ^2/NDF:1106.2/17

Right Out: -51.442+/-0.545 χ^2/NDF: 2872.7/17

Left In: -52.550+/-0.471 χ^2/NDF:933.0/17

Left: -52.637+/-0.338 χ^2/NDF: 2039.3/35

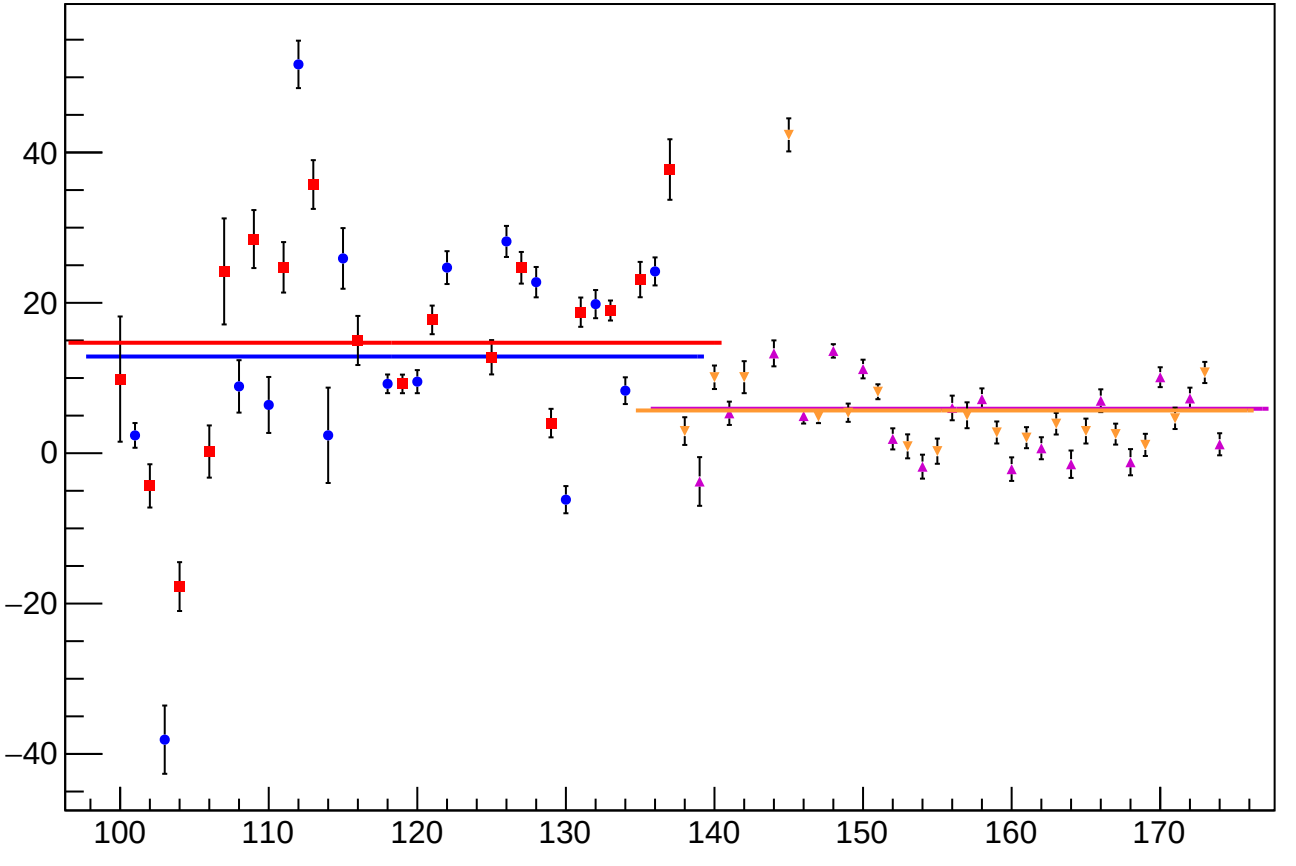
Right: -49.383+/-0.382 χ^2/NDF: 5669.8/33

In: -50.300+/-0.354 χ^2/NDF:3754.2/33

Out: -52.161+/-0.362 χ^2/NDF:3982.1/35

All: -51.208+/-0.253 χ^2/NDF: 7749.8/69

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.860+/-0.519 χ^2/NDF: 625.5/15

Left Out: 5.685+/-0.332 χ^2/NDF:362.2/17

Right Out: 14.691+/-0.544 χ^2/NDF: 364.1/17

Left In: 5.914+/-0.334 χ^2/NDF:246.4/17

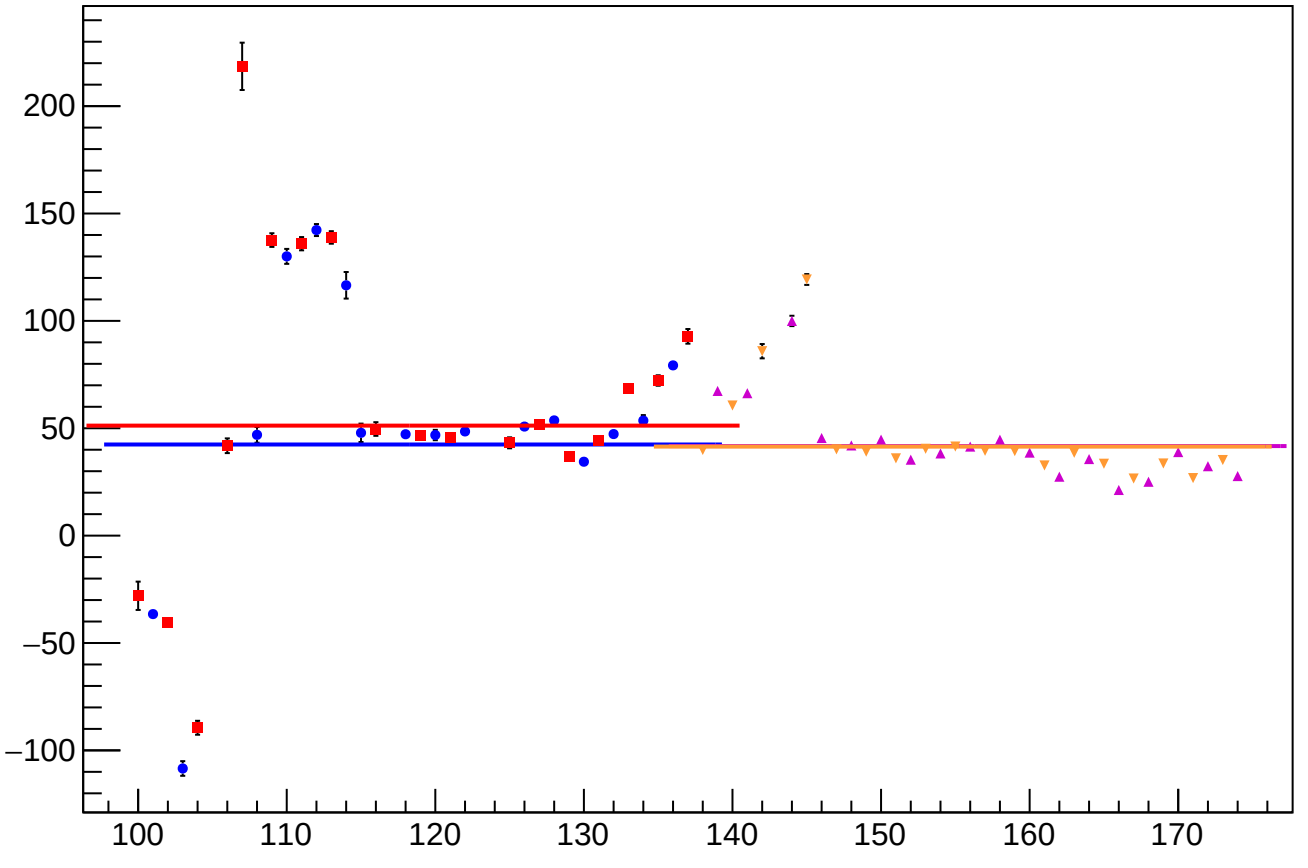
Left: 5.799+/-0.236 χ^2/NDF: 608.8/35

Right: 13.731+/-0.375 χ^2/NDF: 995.5/33

In: 7.950+/-0.281 χ^2/NDF:998.6/33

Out: 8.131+/-0.284 χ^2/NDF:925.7/35

All: 8.040+/-0.200 χ^2/NDF: 1924.6/69



Right In: 42.437+/-0.584 χ^2/NDF: 7168.9/15

Left Out: 41.469+/-0.474 χ^2/NDF:1434.5/17

Right Out: 51.226+/-0.615 χ^2/NDF: 6611.3/17

Left In: 41.701+/-0.463 χ^2/NDF:1259.9/17

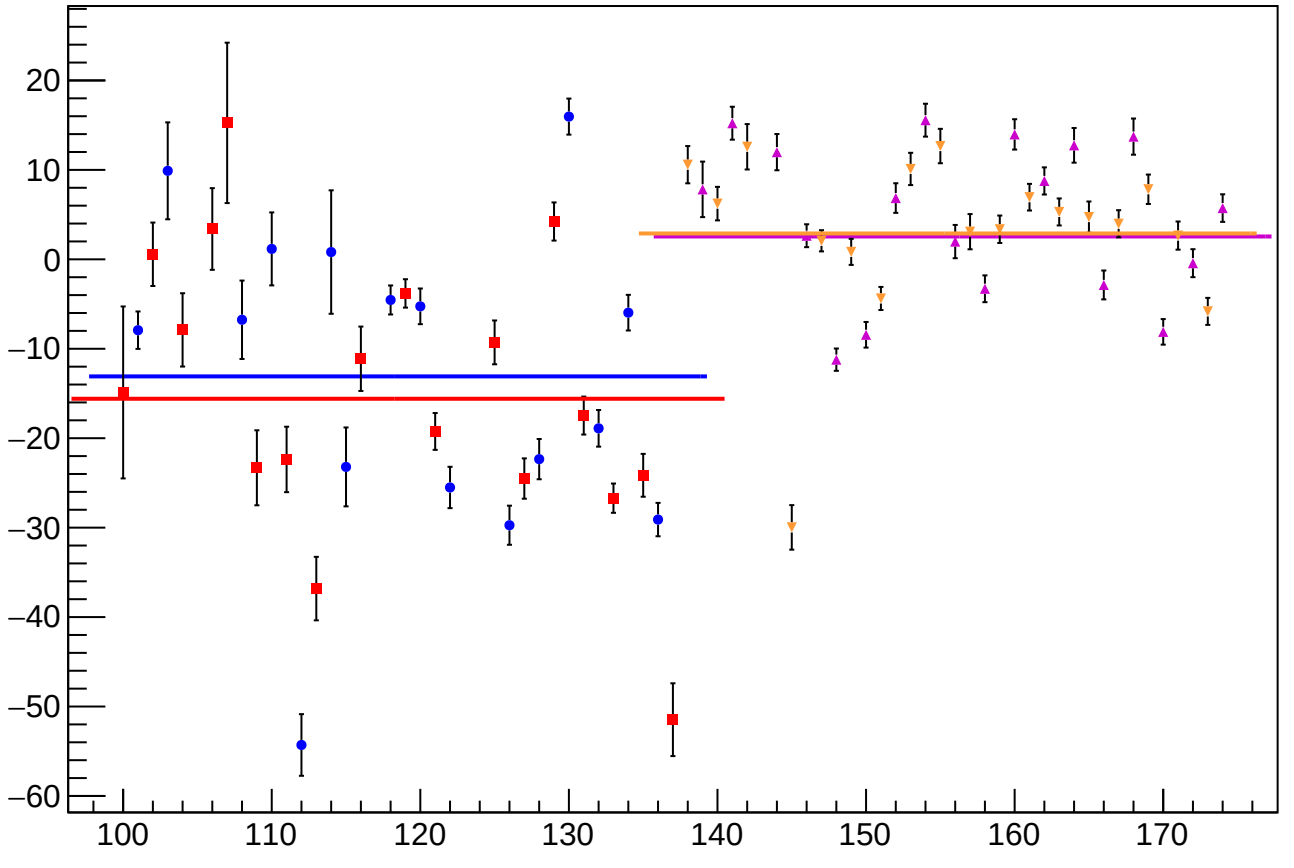
Left: 41.588+/-0.331 χ^2/NDF: 2694.5/35

Right: 46.608+/-0.424 χ^2/NDF: 13887.6/33

In: 41.984+/-0.363 χ^2/NDF:8429.8/33

Out: 45.110+/-0.376 χ^2/NDF:8203.6/35

All: 43.493+/-0.261 χ^2/NDF: 16669.3/69



Right In: -13.090+/-0.600 χ^2/NDF: 639.9/15

Left Out: 2.891+/-0.385 χ^2/NDF:335.6/17

Right Out: -15.589+/-0.627 χ^2/NDF: 401.8/17

Left In: 2.555+/-0.384 χ^2/NDF:519.6/17

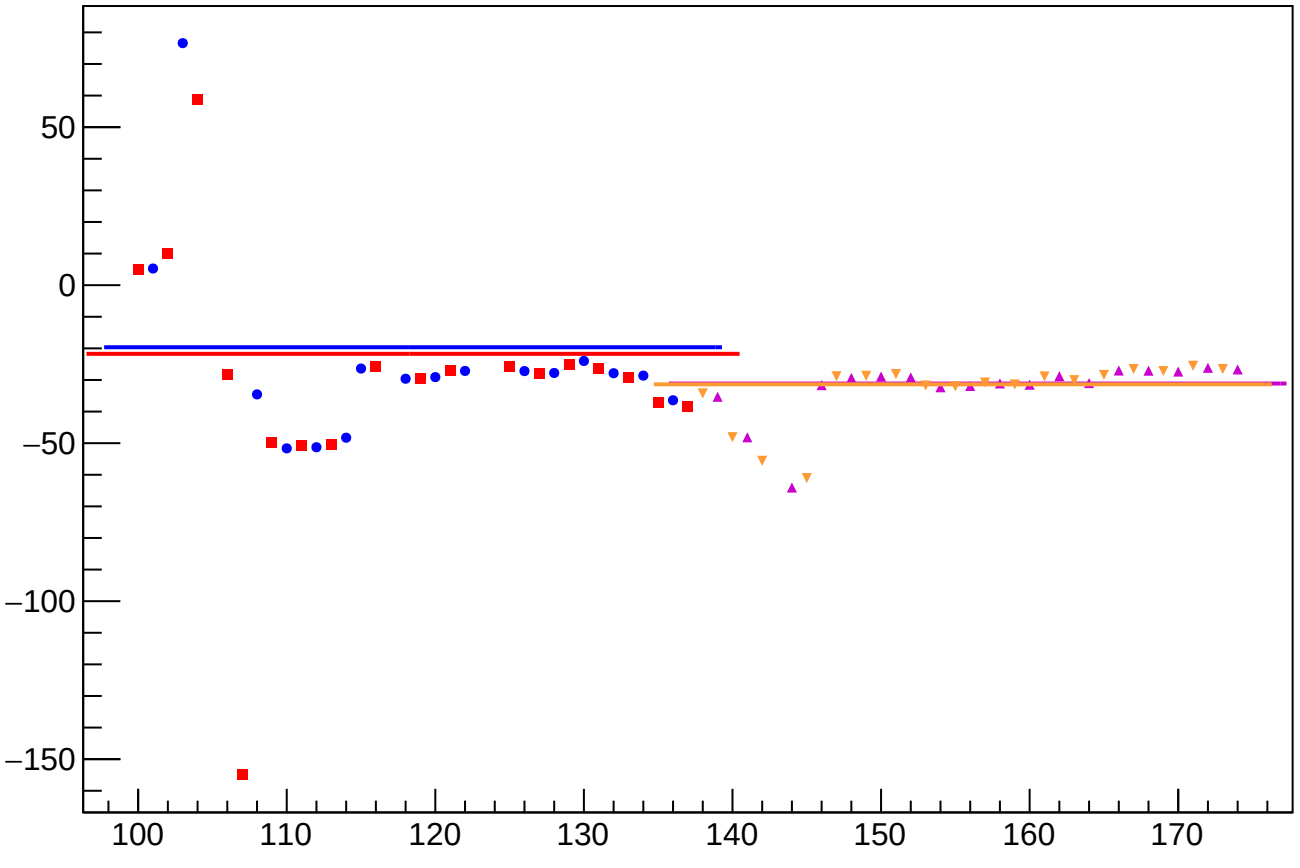
Left: 2.723+/-0.272 χ^2/NDF: 855.6/35

Right: -14.285+/-0.433 χ^2/NDF: 1050.0/33

In: -1.999+/-0.324 χ^2/NDF:1642.0/33

Out: -2.174+/-0.328 χ^2/NDF:1368.4/35

All: -2.085+/-0.230 χ^2/NDF: 3010.5/69



Right In: -19.644+/-0.036 χ^2/NDF: 646925.7/15

Left Out: -31.383+/-0.018 χ^2/NDF:190156.4/17

Right Out: -21.730+/-0.039 χ^2/NDF: 546659.9/17

Left In: -31.127+/-0.017 χ^2/NDF:157237.2/17

Left: -31.251+/-0.012 χ^2/NDF: 347501.8/35

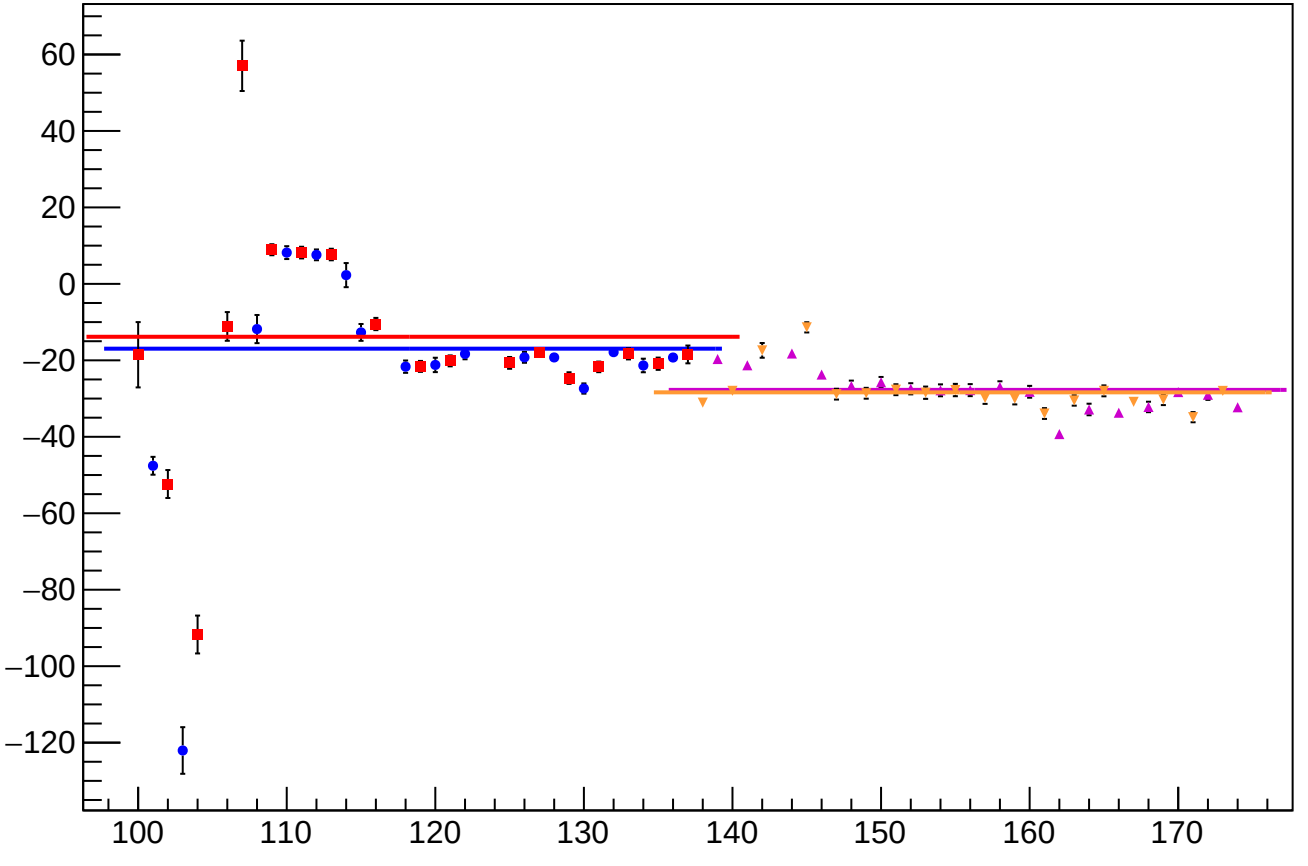
Right: -20.610+/-0.026 χ^2/NDF: 1195130.0/33

In: -29.023+/-0.015 χ^2/NDF:886752.1/33

Out: -29.739+/-0.016 χ^2/NDF:787938.4/35

All: -29.367+/-0.011 χ^2/NDF: 1675724.1/69

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -16.949+/-0.404 χ^2/NDF: 1128.2/15

Left Out: -28.372+/-0.329 χ^2/NDF:249.8/17

Right Out: -13.837+/-0.409 χ^2/NDF: 1333.2/17

Left In: -27.728+/-0.320 χ^2/NDF:282.9/17

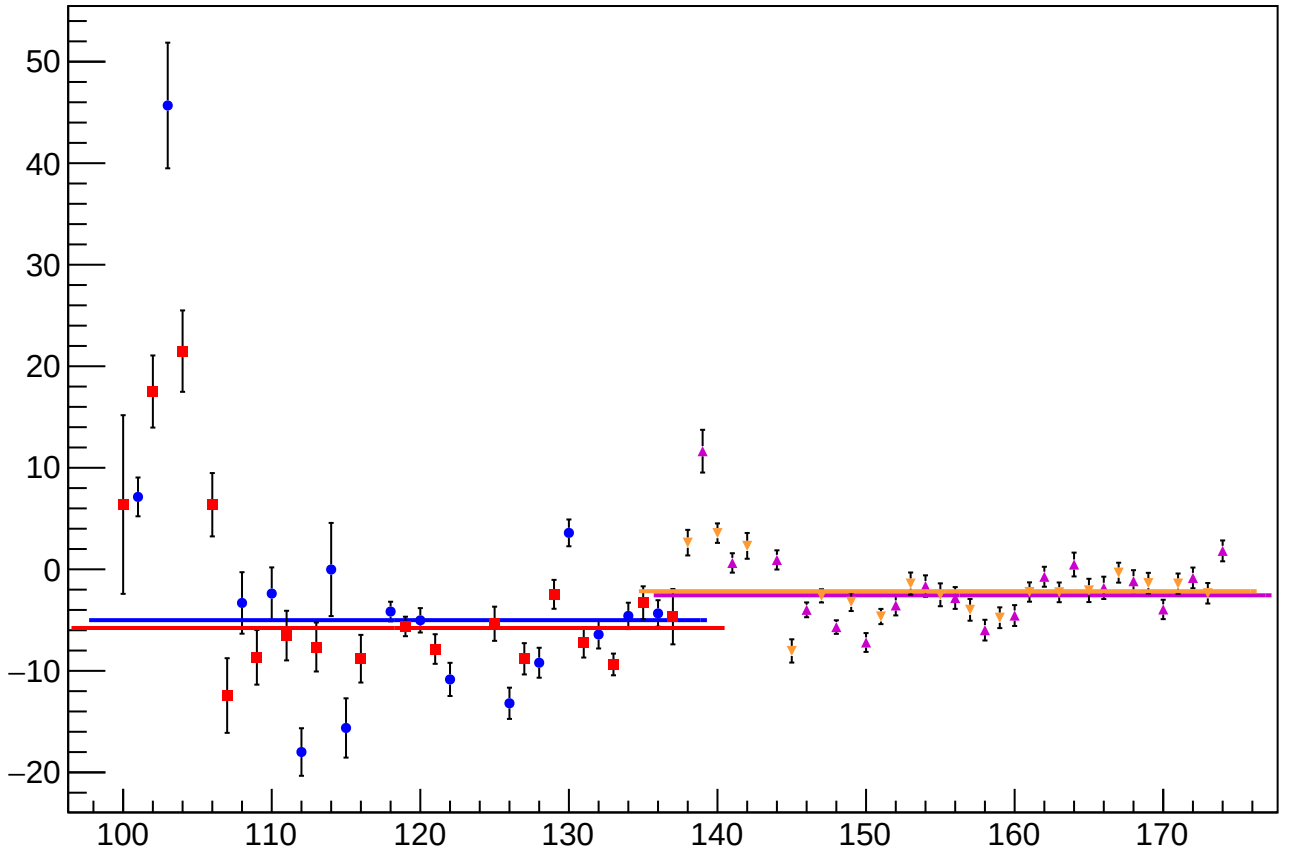
Left: -28.040+/-0.229 χ^2/NDF: 534.7/35

Right: -15.414+/-0.287 χ^2/NDF: 2490.7/33

In: -23.573+/-0.251 χ^2/NDF:1848.8/33

Out: -22.658+/-0.257 χ^2/NDF:2348.7/35

All: -23.126+/-0.179 χ^2/NDF: 4204.0/69



Right In: -5.006+/-0.401 χ^2/NDF: 247.8/15

Left Out: -2.153+/-0.230 χ^2/NDF:116.3/17

Right Out: -5.779+/-0.419 χ^2/NDF: 139.3/17

Left In: -2.558+/-0.230 χ^2/NDF:173.1/17

Left: -2.356+/-0.163 χ^2/NDF: 291.0/35

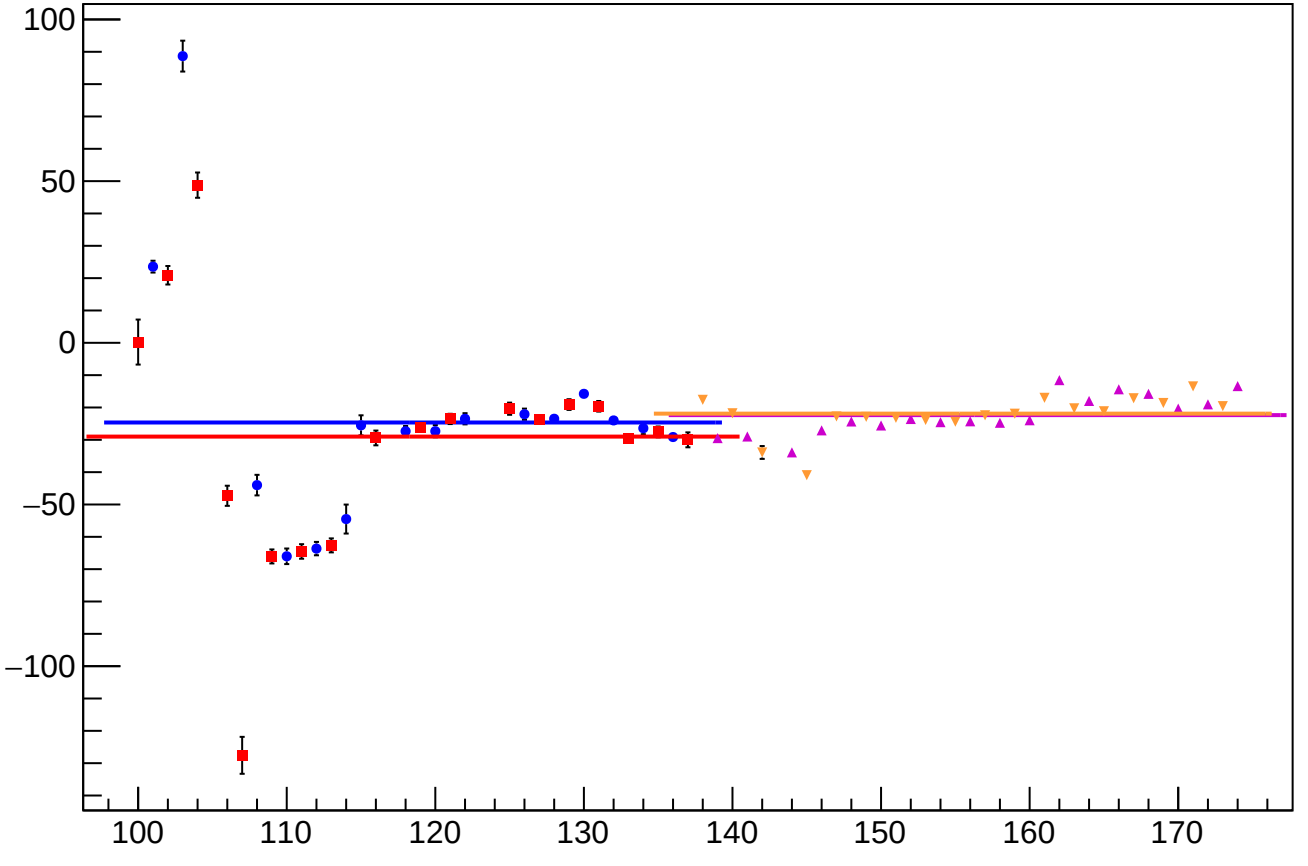
Right: -5.375+/-0.290 χ^2/NDF: 388.9/33

In: -3.164+/-0.200 χ^2/NDF:448.9/33

Out: -2.993+/-0.202 χ^2/NDF:313.0/35

All: -3.080+/-0.142 χ^2/NDF: 762.3/69

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -24.641+/-0.455 χ^2/NDF: 2051.8/15

Left Out: -21.903+/-0.323 χ^2/NDF:327.0/17

Right Out: -29.002+/-0.475 χ^2/NDF: 1952.3/17

Left In: -22.361+/-0.315 χ^2/NDF:372.7/17

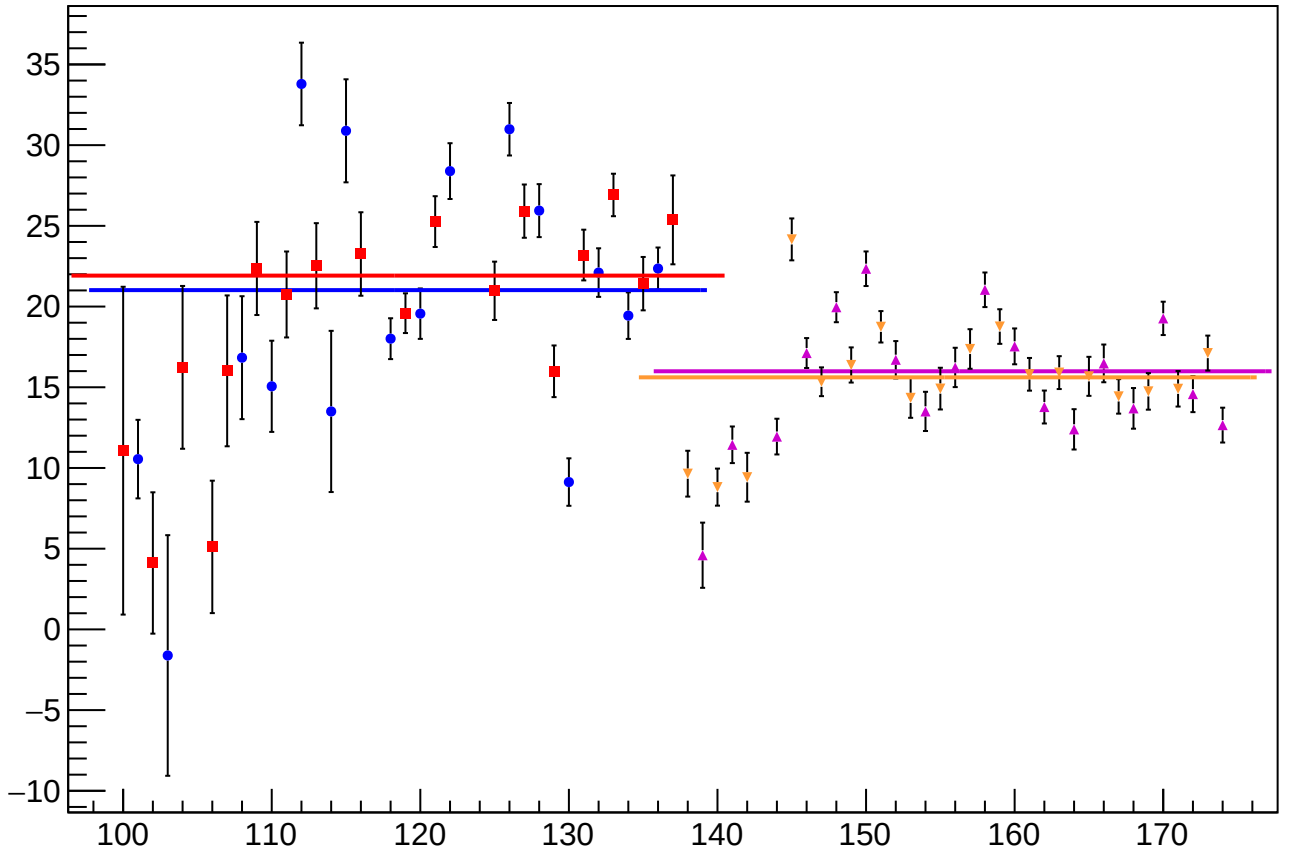
Left: -22.138+/-0.226 χ^2/NDF: 700.7/35

Right: -26.727+/-0.329 χ^2/NDF: 4048.0/33

In: -23.099+/-0.259 χ^2/NDF:2441.5/33

Out: -24.148+/-0.267 χ^2/NDF:2431.9/35

All: -23.607+/-0.186 χ^2/NDF: 4881.4/69



Right In: 21.019+/-0.458 χ^2/NDF: 209.6/15

Left Out: 15.615+/-0.265 χ^2/NDF:140.1/17

Right Out: 21.918+/-0.478 χ^2/NDF: 82.5/17

Left In: 15.991+/-0.264 χ^2/NDF:182.7/17

Left: 15.804+/-0.187 χ^2/NDF: 323.7/35

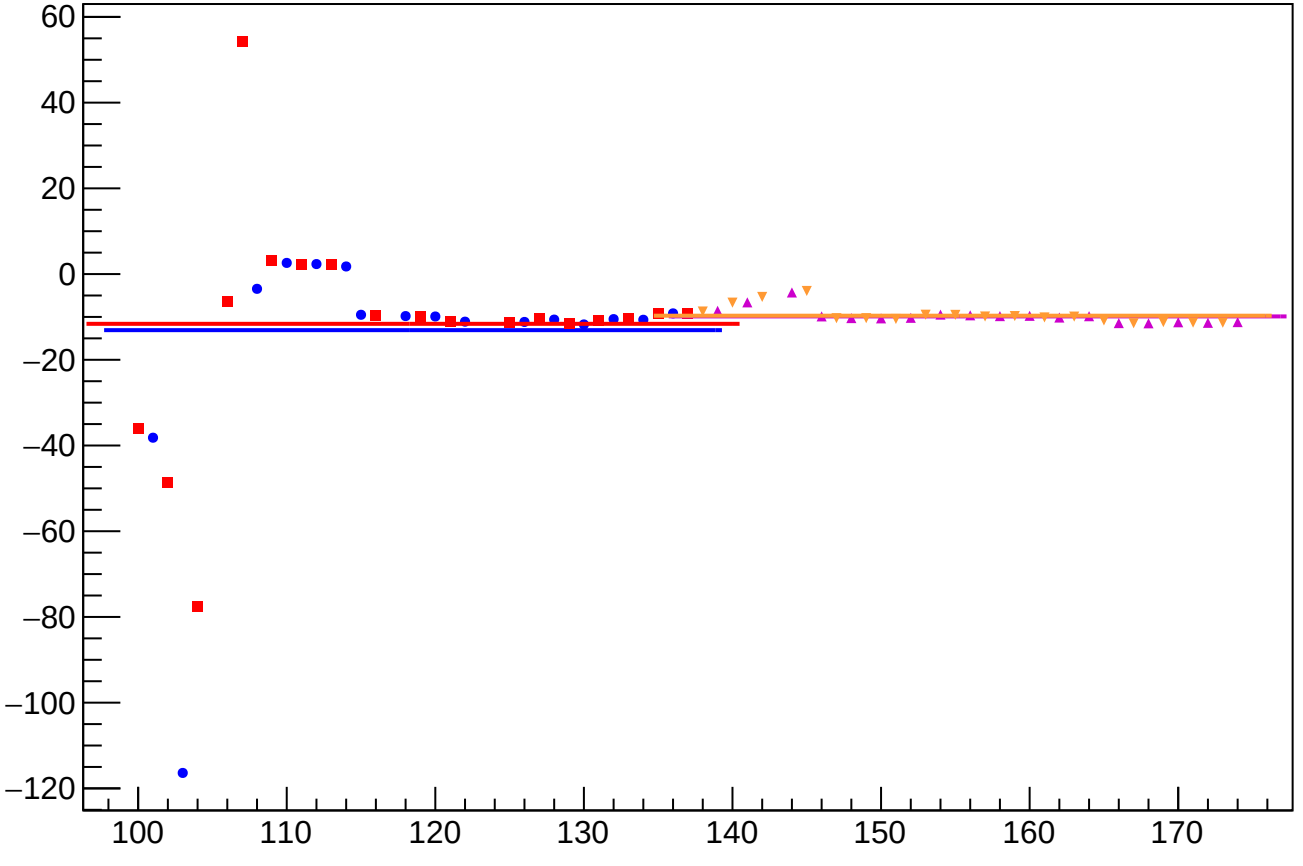
Right: 21.449+/-0.331 χ^2/NDF: 294.0/33

In: 17.243+/-0.229 χ^2/NDF:482.7/33

Out: 17.099+/-0.232 χ^2/NDF:355.3/35

All: 17.172+/-0.163 χ^2/NDF: 838.2/69

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -13.086+/-0.028 χ^2/NDF: 344941.2/15

Left Out: -9.713+/-0.012 χ^2/NDF:24014.9/17

Right Out: -11.610+/-0.031 χ^2/NDF: 314183.9/17

Left In: -9.880+/-0.012 χ^2/NDF:18722.0/17

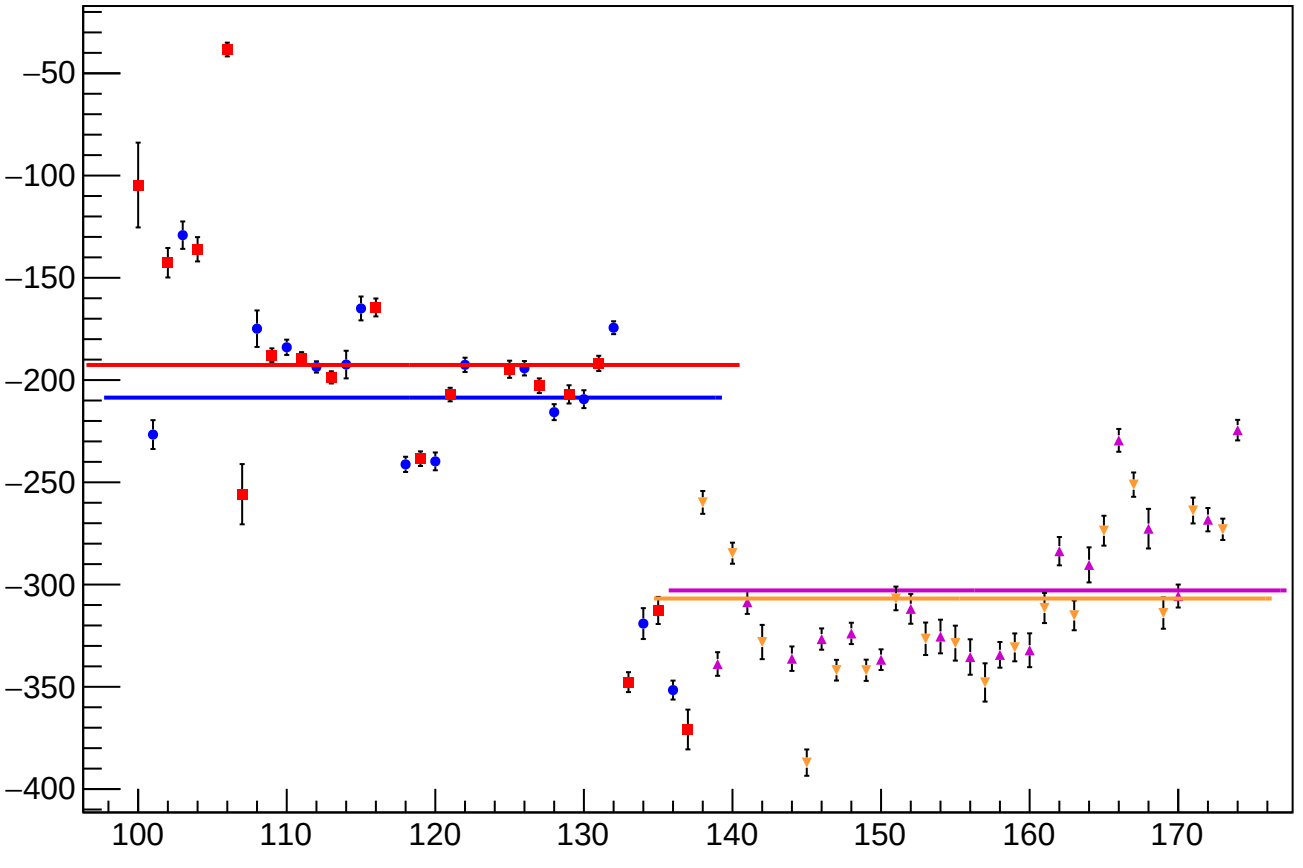
Left: -9.799+/-0.008 χ^2/NDF: 42837.3/35

Right: -12.409+/-0.021 χ^2/NDF: 660362.1/33

In: -10.341+/-0.011 χ^2/NDF:374566.9/33

Out: -9.961+/-0.011 χ^2/NDF:341477.5/35

All: -10.158+/-0.008 χ^2/NDF: 716644.2/69



Right In: -208.586+/-1.067 χ^2/NDF: 1751.1/15

Left Out: -306.824+/-1.508 χ^2/NDF:588.3/17

Right Out: -192.617+/-0.999 χ^2/NDF: 4207.1/17

Left In: -302.862+/-1.463 χ^2/NDF:686.5/17

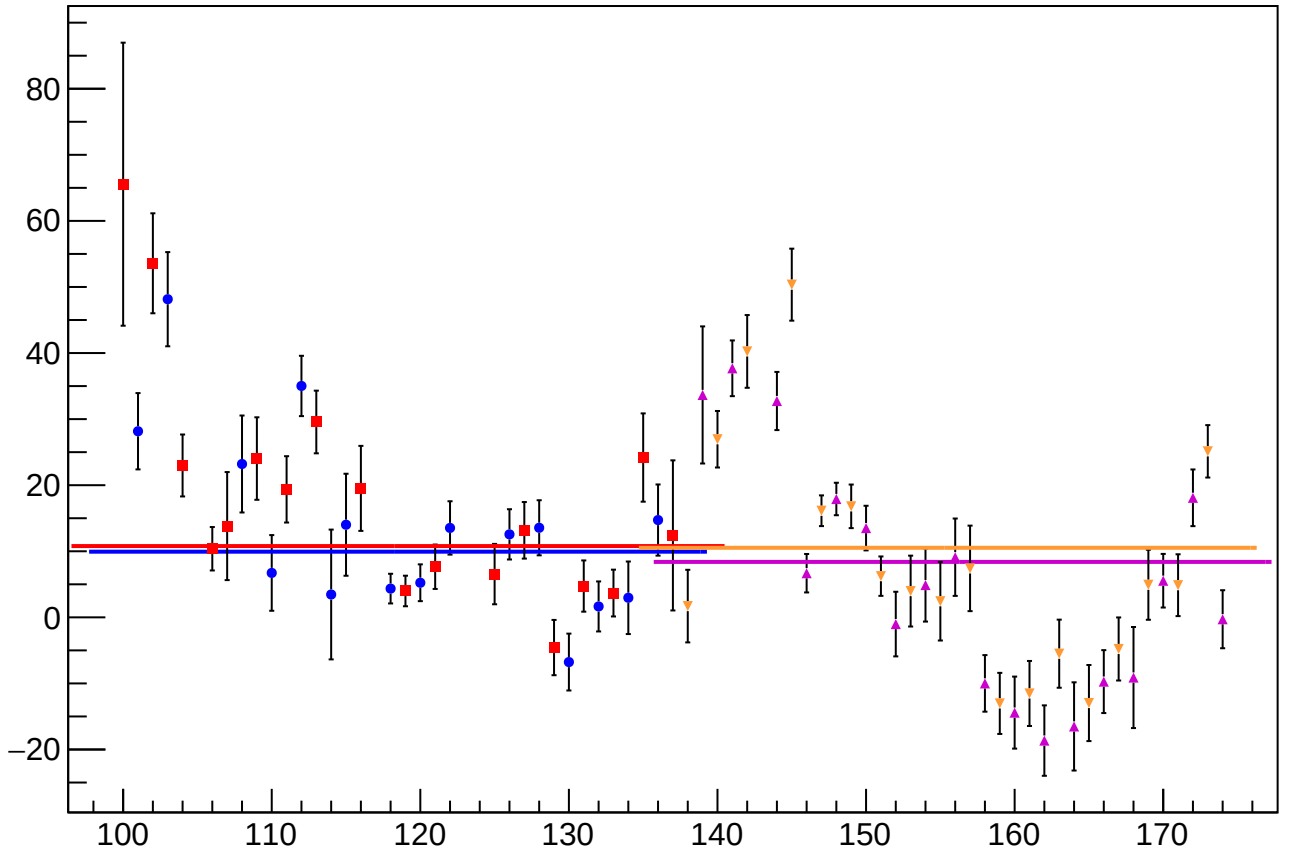
Left: -304.784+/-1.050 χ^2/NDF: 1278.3/35

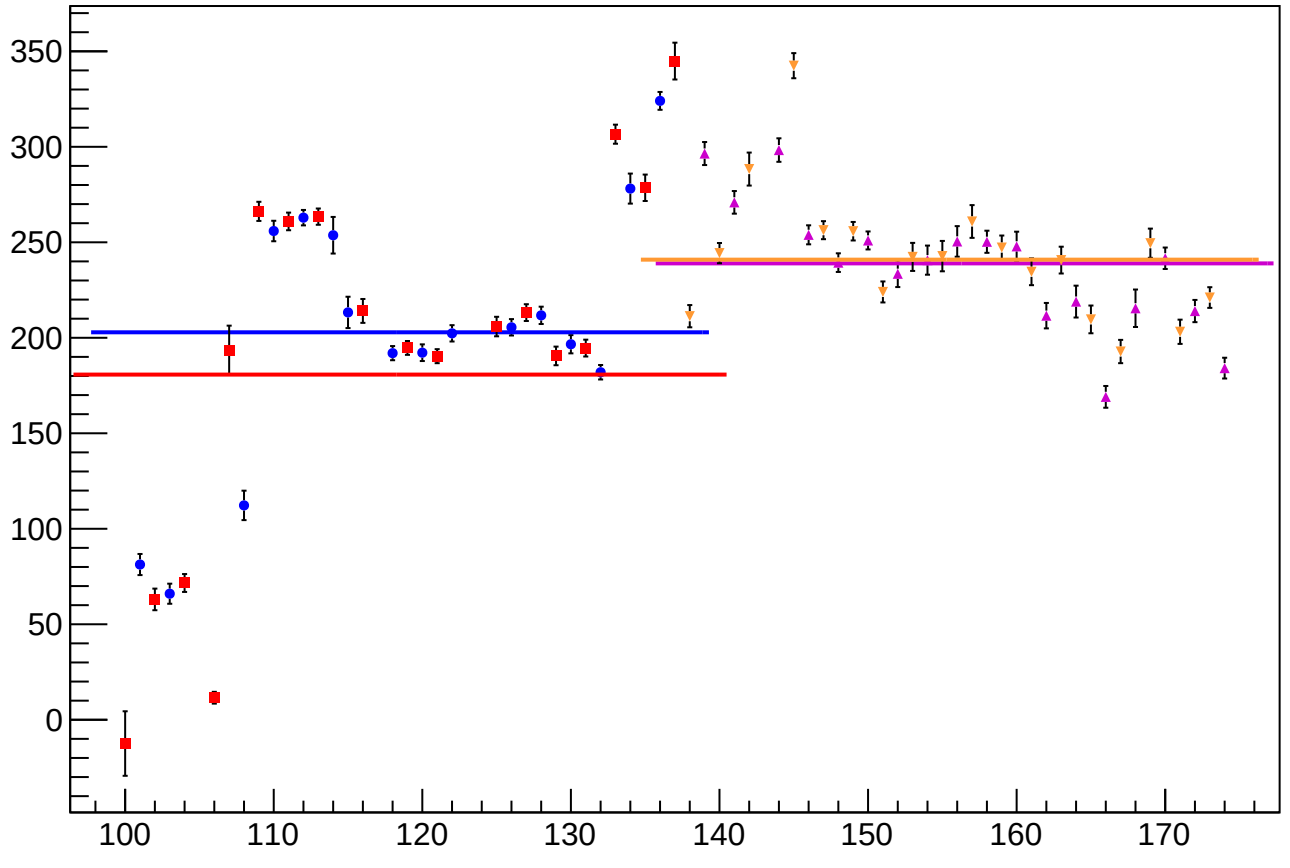
Right: -200.079+/-0.729 χ^2/NDF: 6077.7/33

In: -241.287+/-0.862 χ^2/NDF:5148.0/33

Out: -227.449+/-0.833 χ^2/NDF:8782.6/35

All: -234.130+/-0.599 χ^2/NDF: 14063.9/69


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: 10.527+/-1.012 χ²/NDF:213.8/17
Right Out: 10.788+/-1.044 χ²/NDF: 105.1/17
Left In: 8.391+/-1.017 χ²/NDF:211.4/17
Left: 9.464+/-0.718 χ²/NDF: 427.4/35
Right: 10.372+/-0.746 χ²/NDF: 212.0/33
In: 9.129+/-0.736 χ²/NDF:319.1/33
Out: 10.654+/-0.727 χ²/NDF:318.9/35
All: 9.901+/-0.517 χ²/NDF: 640.1/69



Right In: 202.874+/-1.226 χ^2/NDF: 2464.2/15

Left Out: 240.913+/-1.478 χ^2/NDF:462.9/17

Right Out: 180.731+/-1.144 χ^2/NDF: 6347.9/17

Left In: 238.960+/-1.439 χ^2/NDF:535.8/17

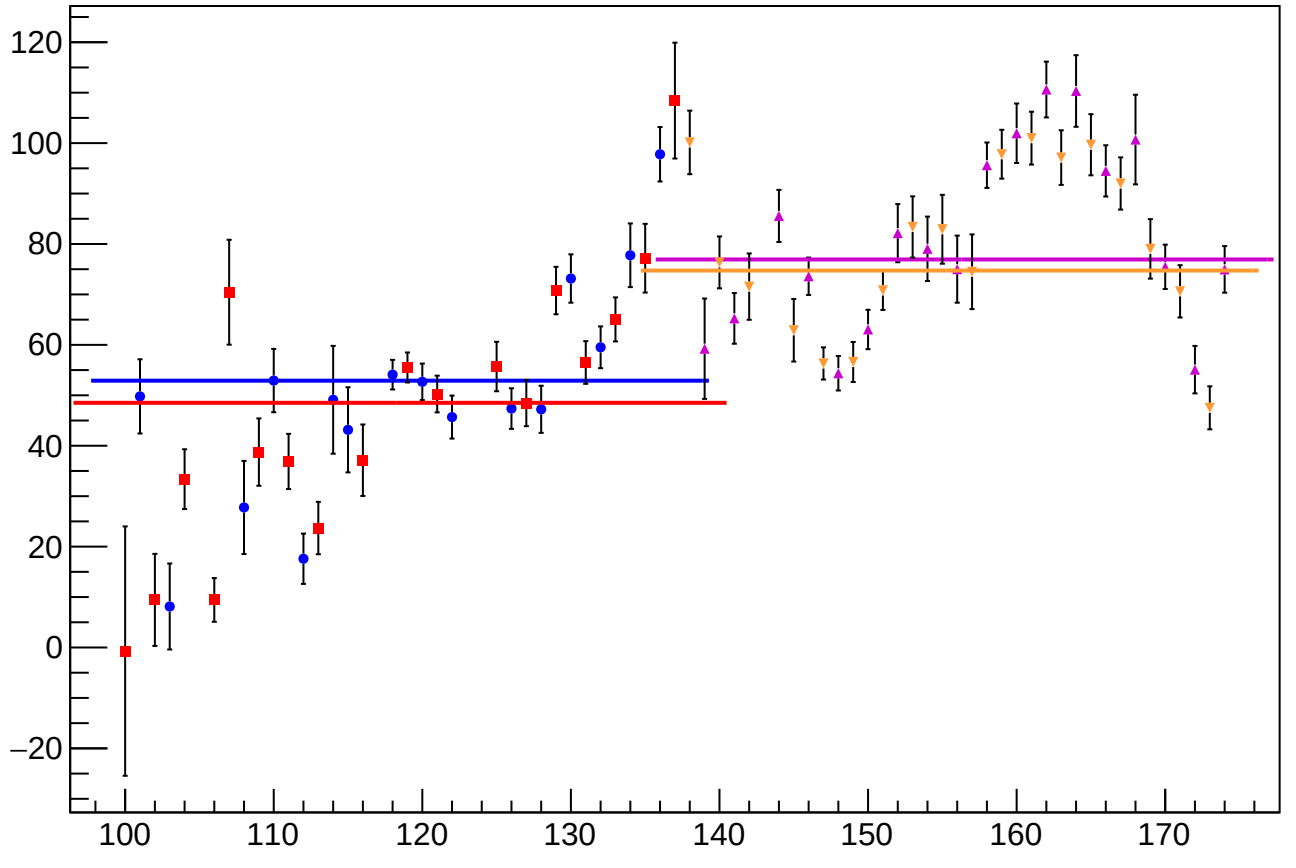
Left: 239.910+/-1.031 χ^2/NDF: 999.6/35

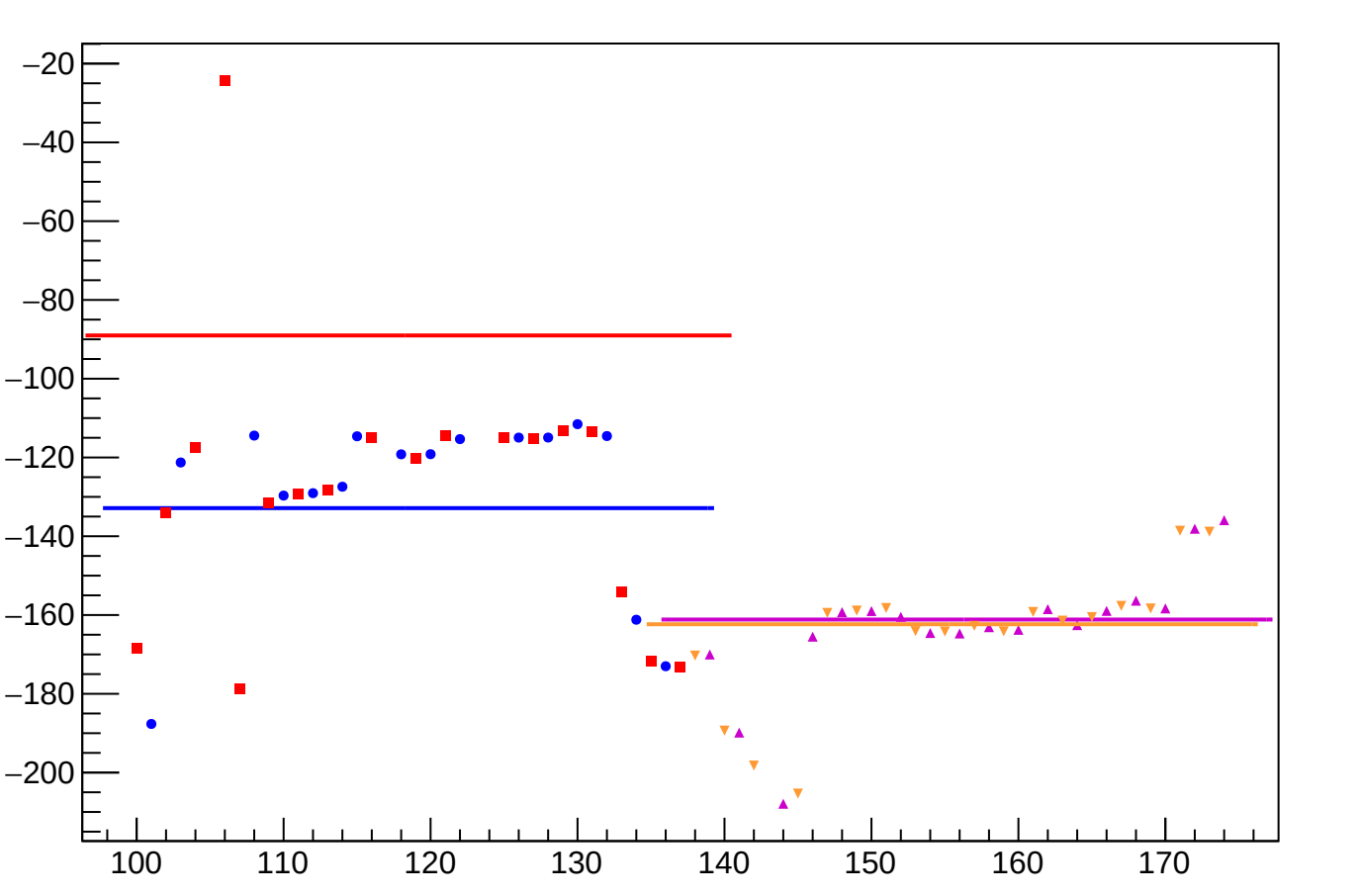
Right: 191.037+/-0.836 χ^2/NDF: 8986.6/33

In: 218.048+/-0.933 χ^2/NDF:3364.5/33

Out: 203.271+/-0.904 χ^2/NDF:7848.0/35

All: 210.430+/-0.649 χ^2/NDF: 11341.9/69


reg_asym_usl_atl2_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: 52.899+/-1.242 χ²/NDF: 198.3/15
Left Out: 74.737+/-1.190 χ²/NDF:213.7/17
Right Out: 48.510+/-1.214 χ²/NDF: 240.0/17
Left In: 76.929+/-1.183 χ²/NDF:204.8/17
Left: 75.839+/-0.839 χ²/NDF: 420.2/35
Right: 50.656+/-0.868 χ²/NDF: 444.7/33
In: 65.490+/-0.857 χ²/NDF:599.4/33
Out: 61.886+/-0.850 χ²/NDF:691.7/35
All: 63.674+/-0.603 χ²/NDF: 1300.0/69



Right In: -132.856+/-0.081 χ^2/NDF: 93497.9/15

Left Out: -162.344+/-0.056 χ^2/NDF:81151.1/17

Right Out: -89.020+/-0.064 χ^2/NDF: 728110.1/17

Left In: -161.146+/-0.054 χ^2/NDF:76995.6/17

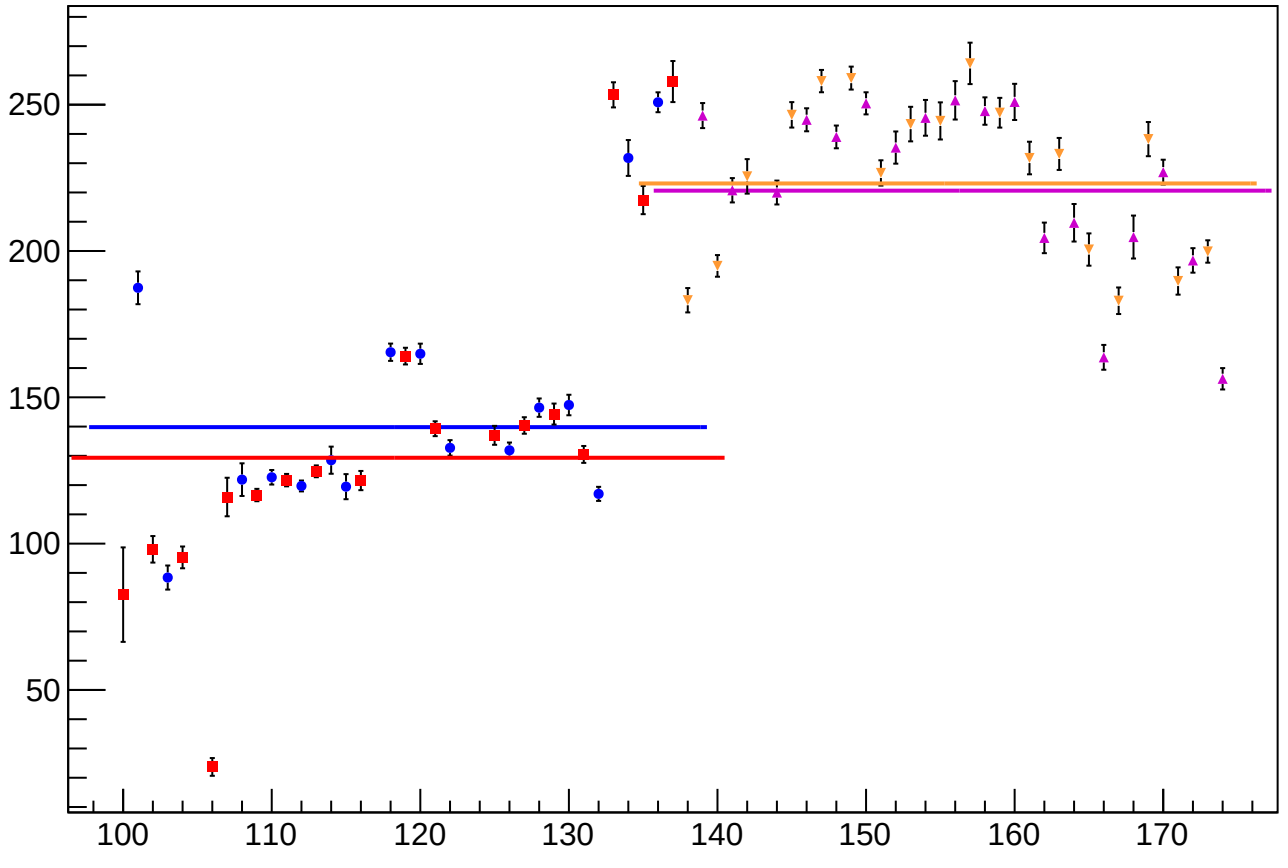
Left: -161.722+/-0.039 χ^2/NDF: 158384.0/35

Right: -105.832+/-0.050 χ^2/NDF: 1000593.4/33

In: -152.500+/-0.045 χ^2/NDF:254462.1/33

Out: -130.640+/-0.042 χ^2/NDF:1550418.2/35

All: -140.874+/-0.031 χ^2/NDF: 1930538.3/69



Right In: 139.810+/-0.785 χ^2/NDF: 1964.9/15

Left Out: 223.079+/-1.116 χ^2/NDF:623.1/17

Right Out: 129.344+/-0.734 χ^2/NDF: 3123.5/17

Left In: 220.619+/-1.084 χ^2/NDF:804.7/17

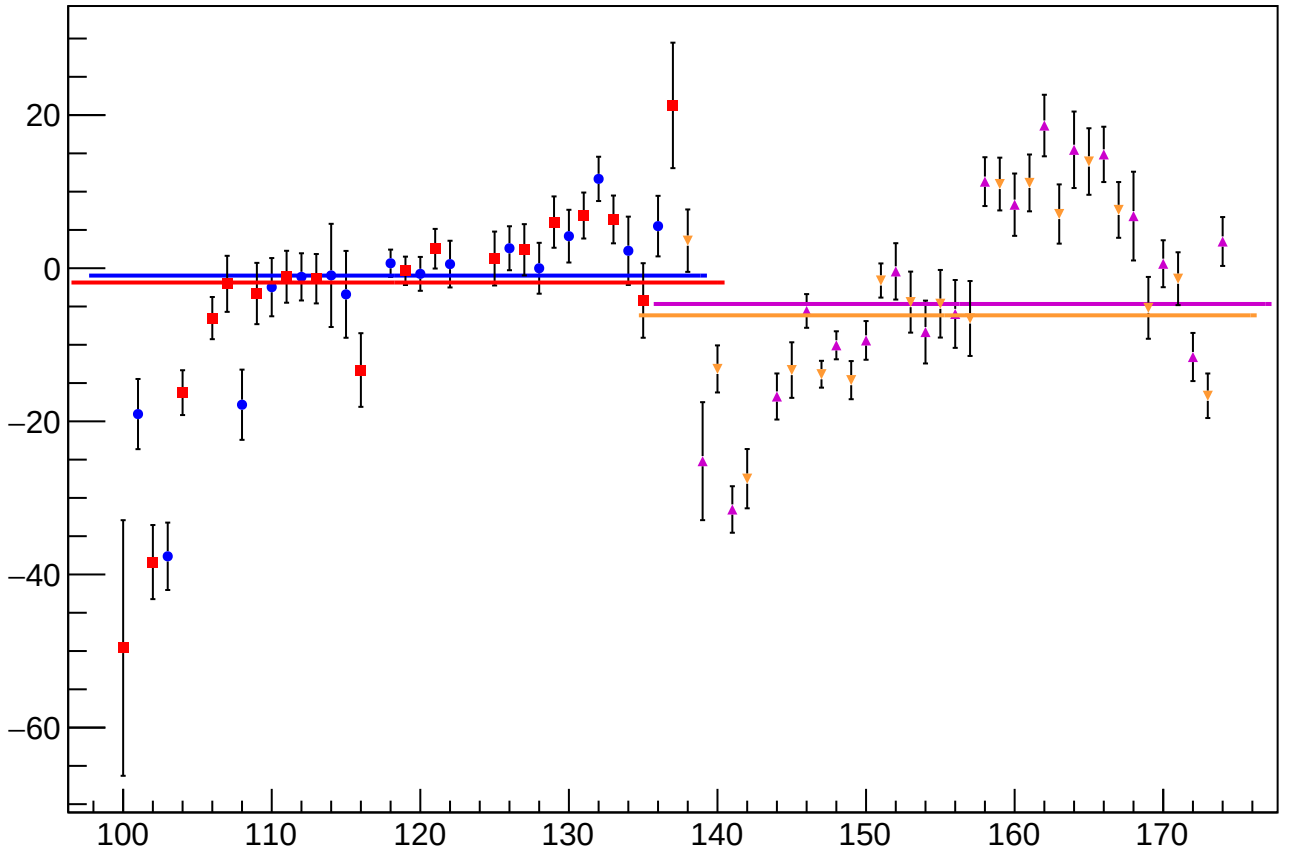
Left: 221.813+/-0.778 χ^2/NDF: 1430.3/35

Right: 134.231+/-0.536 χ^2/NDF: 5183.3/33

In: 167.594+/-0.636 χ^2/NDF:6417.1/33

Out: 157.657+/-0.613 χ^2/NDF:8669.2/35

All: 162.450+/-0.441 χ^2/NDF: 15212.9/69



Right In: -0.963+/-0.808 χ^2/NDF: 126.1/15

Left Out: -6.153+/-0.752 χ^2/NDF:189.3/17

Right Out: -1.869+/-0.784 χ^2/NDF: 133.2/17

Left In: -4.671+/-0.755 χ^2/NDF:248.6/17

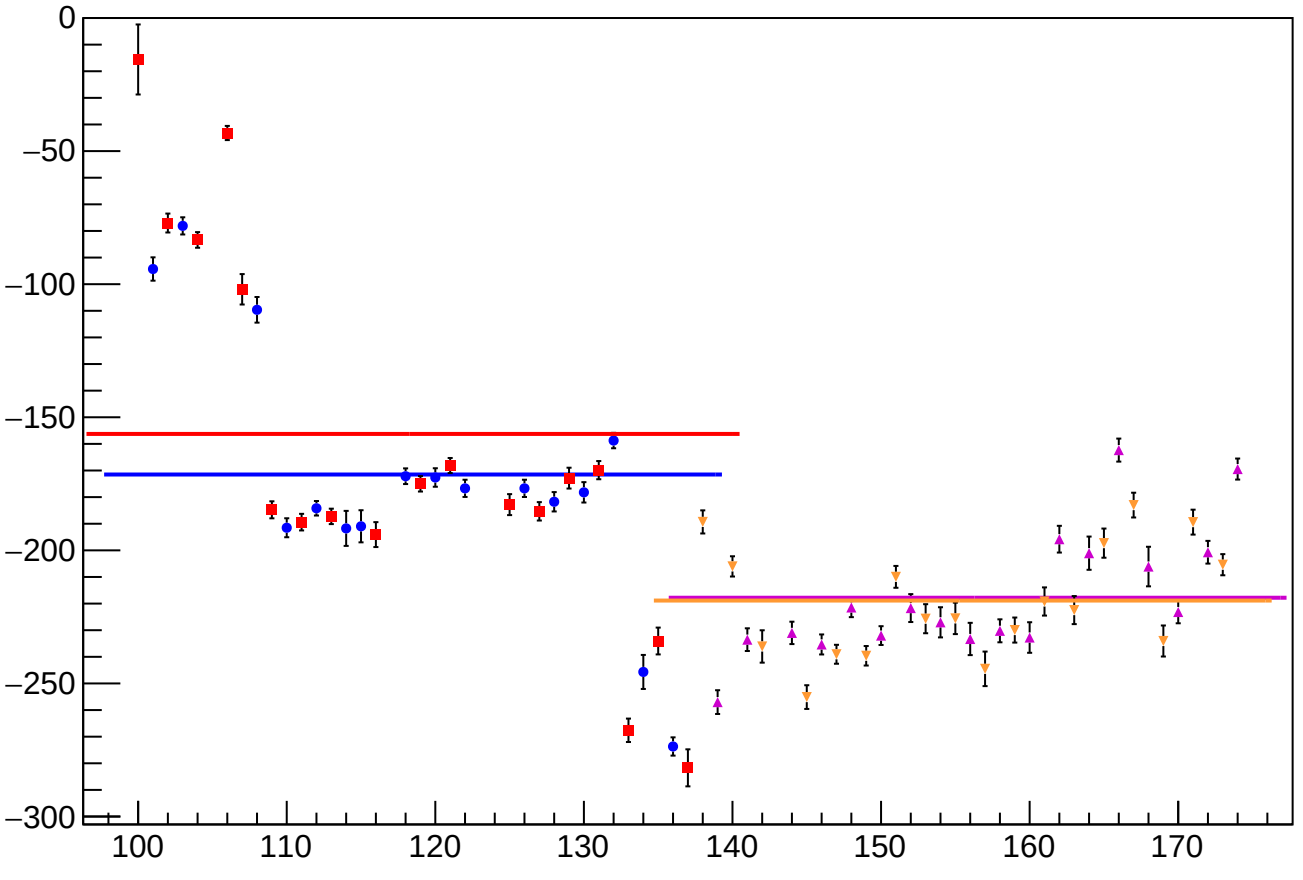
Left: -5.415+/-0.533 χ^2/NDF: 439.8/35

Right: -1.430+/-0.563 χ^2/NDF: 259.9/33

In: -2.943+/-0.552 χ^2/NDF:385.9/33

Out: -4.099+/-0.543 χ^2/NDF:338.0/35

All: -3.530+/-0.387 χ^2/NDF: 726.1/69



Right In: -171.506+/-0.907 χ^2/NDF: 2442.8/15

Left Out: -218.858+/-1.096 χ^2/NDF:358.2/17

Right Out: -156.260+/-0.847 χ^2/NDF: 4904.3/17

Left In: -217.801+/-1.067 χ^2/NDF:525.2/17

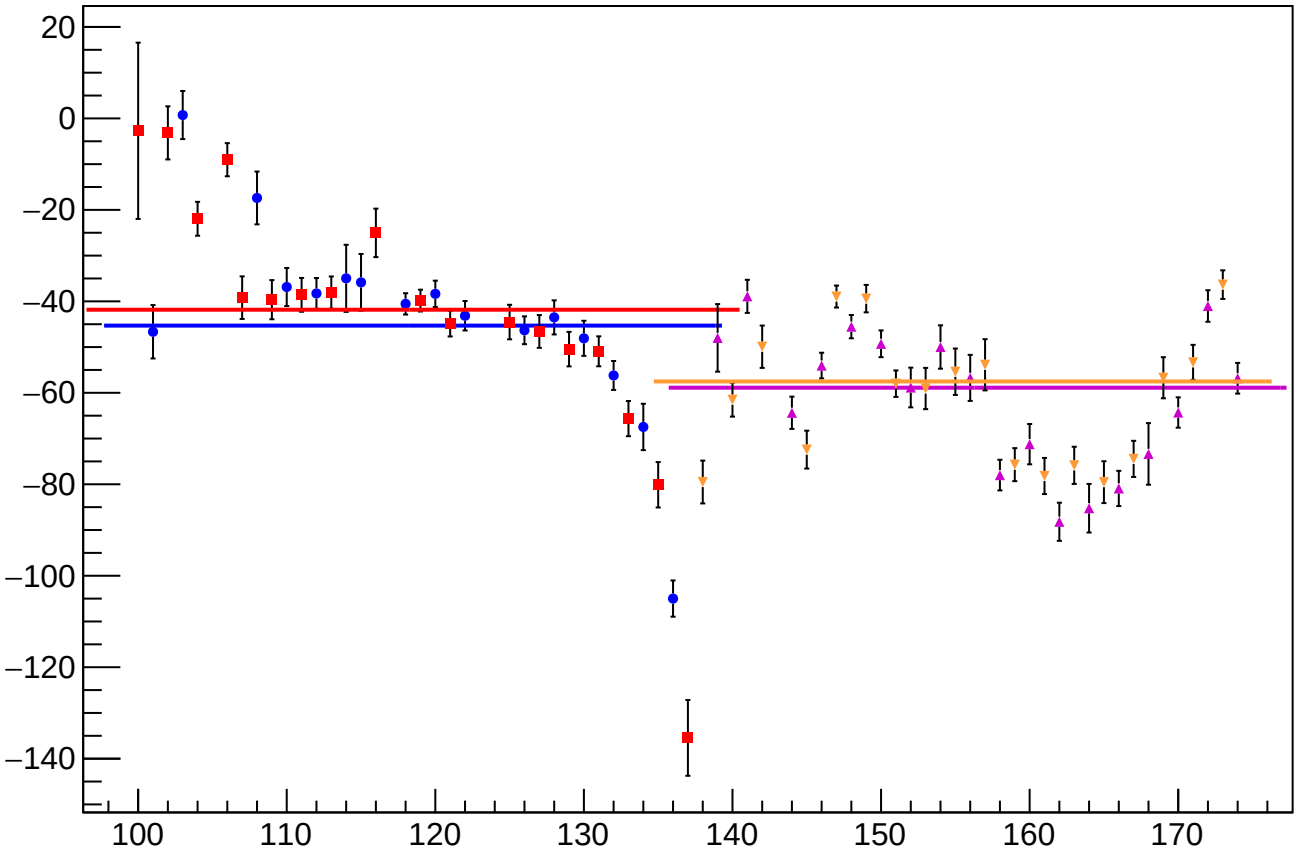
Left: -218.316+/-0.764 χ^2/NDF: 883.9/35

Right: -163.367+/-0.619 χ^2/NDF: 7498.1/33

In: -190.925+/-0.691 χ^2/NDF:4061.2/33

Out: -179.690+/-0.670 χ^2/NDF:7305.4/35

All: -185.137+/-0.481 χ^2/NDF: 11502.8/69



Right In: -45.304+/-0.938 χ^2/NDF: 382.0/15

Left Out: -57.515+/-0.884 χ^2/NDF:297.4/17

Right Out: -41.832+/-0.909 χ^2/NDF: 414.2/17

Left In: -58.883+/-0.878 χ^2/NDF:261.5/17

Left: -58.203+/-0.623 χ^2/NDF: 560.0/35

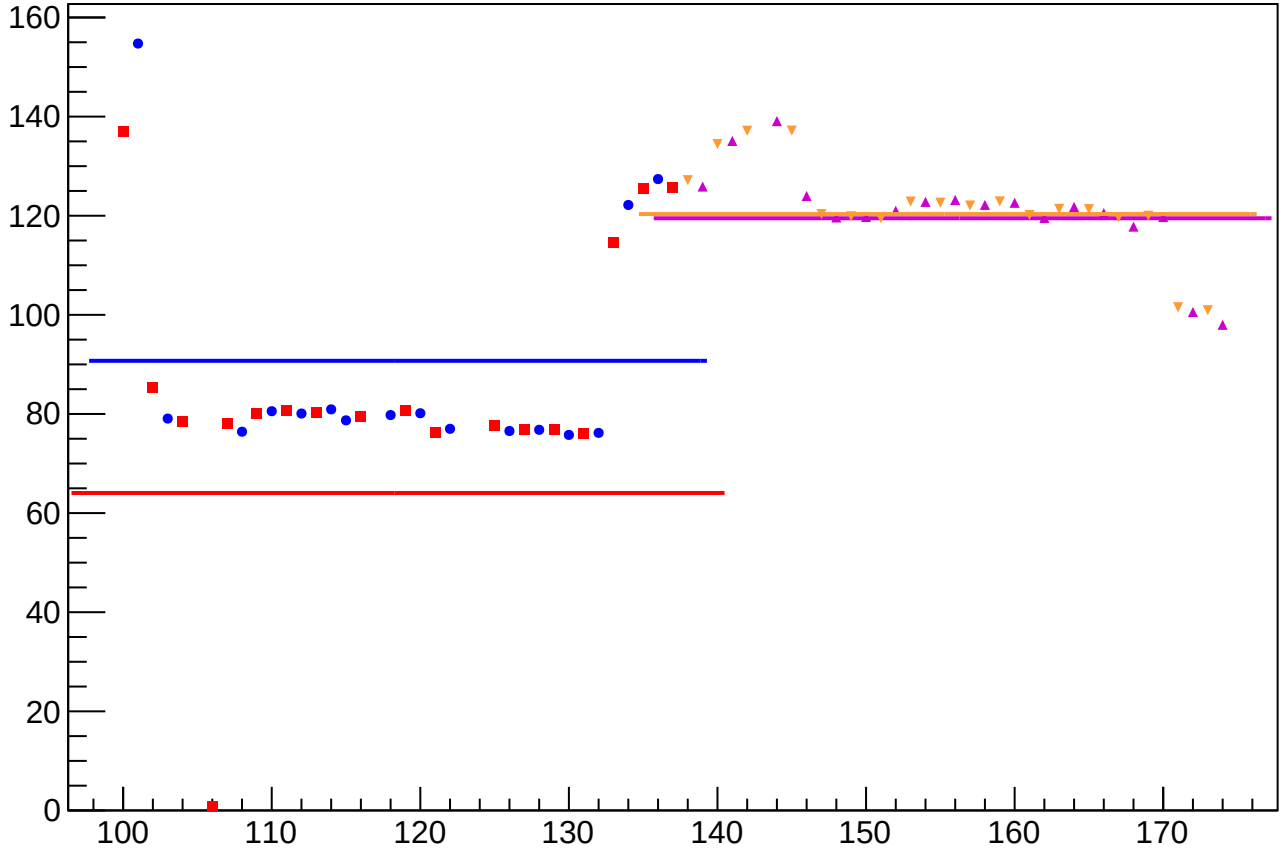
Right: -43.515+/-0.653 χ^2/NDF: 803.4/33

In: -52.537+/-0.641 χ^2/NDF:755.2/33

Out: -49.896+/-0.634 χ^2/NDF:864.6/35

All: -51.202+/-0.451 χ^2/NDF: 1628.4/69

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 90.726+/-0.058 χ^2/NDF: 161153.0/15

Left Out: 120.338+/-0.042 χ^2/NDF:56317.7/17

Right Out: 64.059+/-0.049 χ^2/NDF: 660935.1/17

Left In: 119.488+/-0.040 χ^2/NDF:63298.4/17

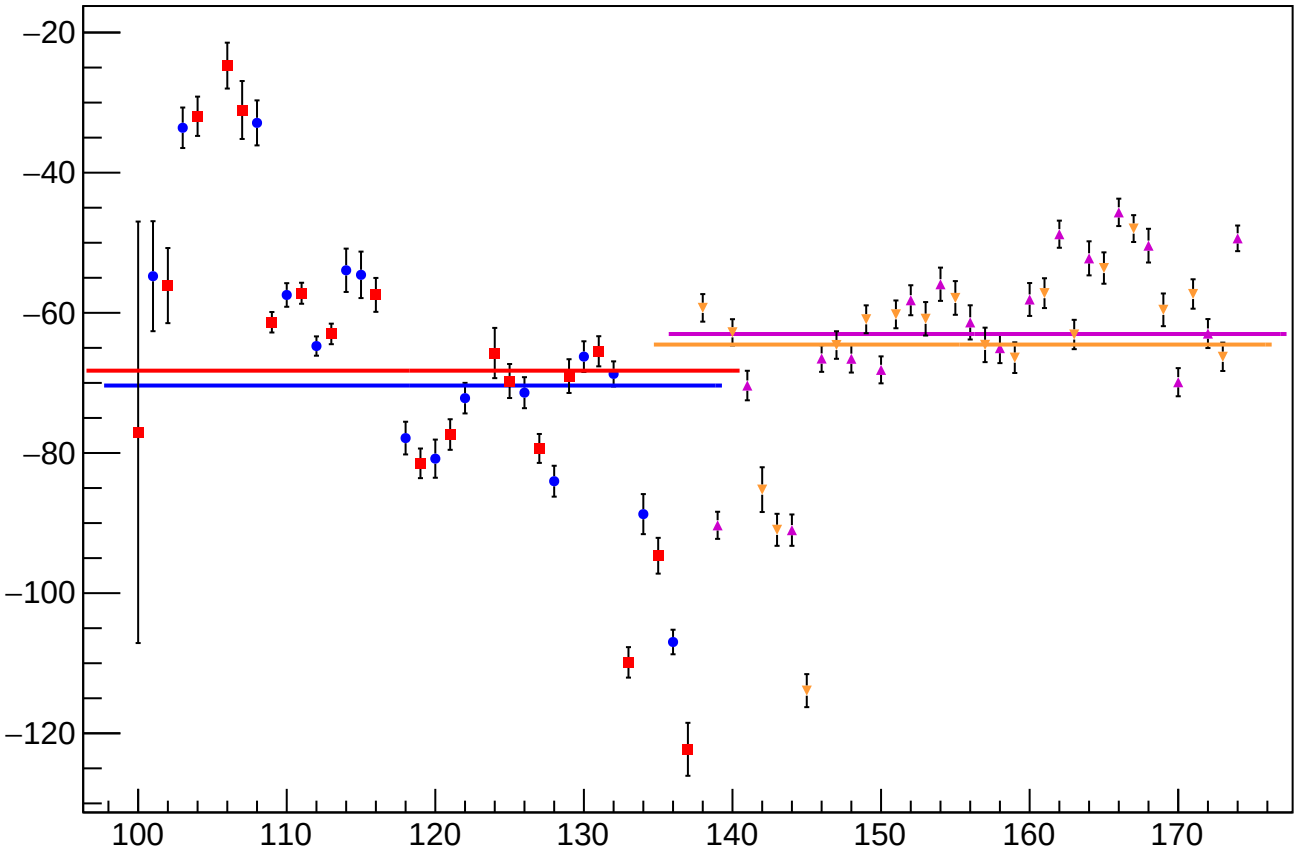
Left: 119.897+/-0.029 χ^2/NDF: 119833.2/35

Right: 75.136+/-0.038 χ^2/NDF: 943639.1/33

In: 110.297+/-0.033 χ^2/NDF:389030.9/33

Out: 96.950+/-0.032 χ^2/NDF:1478994.0/35

All: 103.360+/-0.023 χ^2/NDF: 1952746.5/69



Right In: -70.374+/-0.558 χ^2/NDF: 974.9/15

Left Out: -64.527+/-0.495 χ^2/NDF:770.0/18

Right Out: -68.252+/-0.527 χ^2/NDF: 1306.0/18

Left In: -63.022+/-0.493 χ^2/NDF:648.5/17

Left: -63.772+/-0.349 χ^2/NDF: 1423.1/36

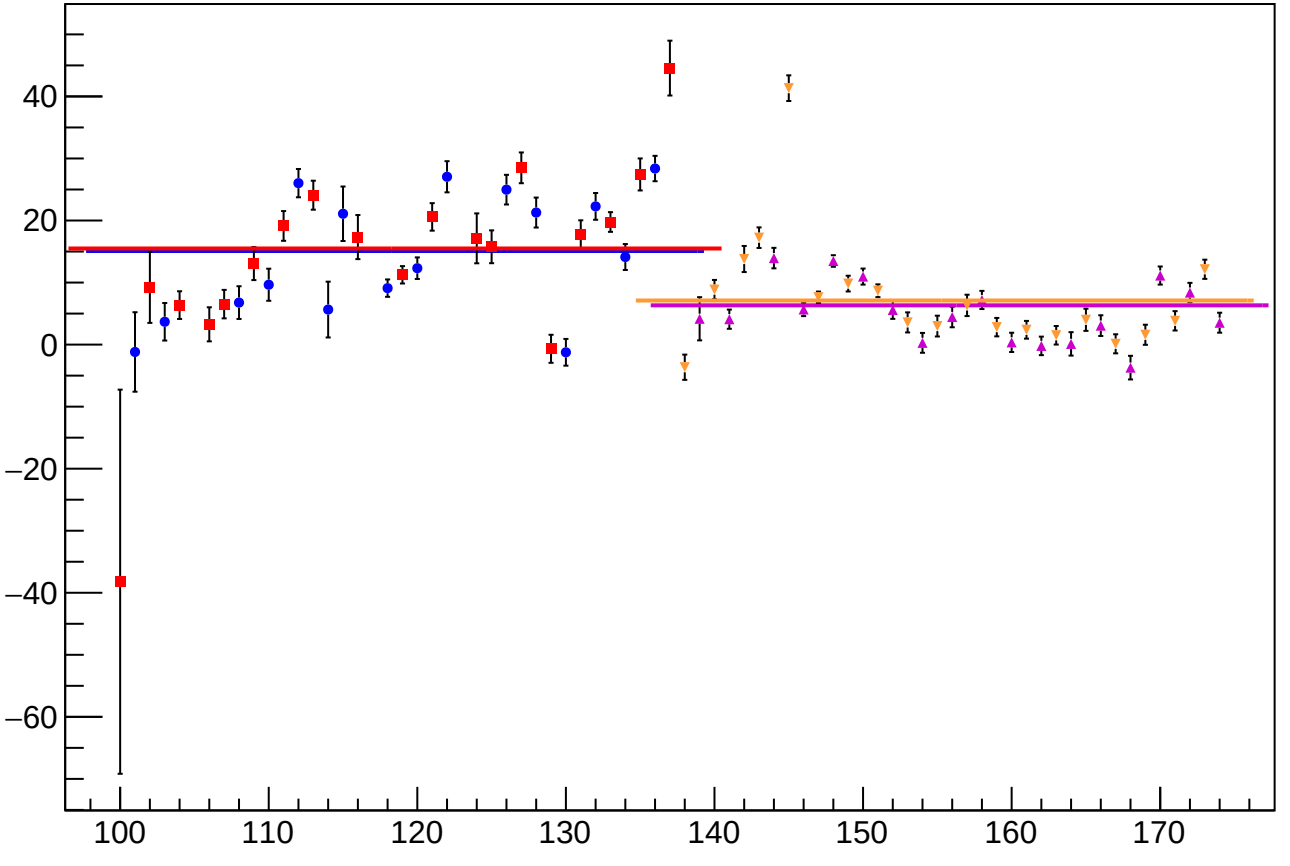
Right: -69.252+/-0.383 χ^2/NDF: 2288.5/34

In: -66.249+/-0.370 χ^2/NDF:1720.9/33

Out: -66.275+/-0.361 χ^2/NDF:2102.5/37

All: -66.262+/-0.258 χ^2/NDF: 3823.4/71

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 15.092+/-0.581 χ^2/NDF: 242.4/15

Left Out: 7.108+/-0.340 χ^2/NDF:452.1/18

Right Out: 15.491+/-0.558 χ^2/NDF: 239.3/18

Left In: 6.331+/-0.348 χ^2/NDF:203.9/17

Left: 6.729+/-0.243 χ^2/NDF: 658.6/36

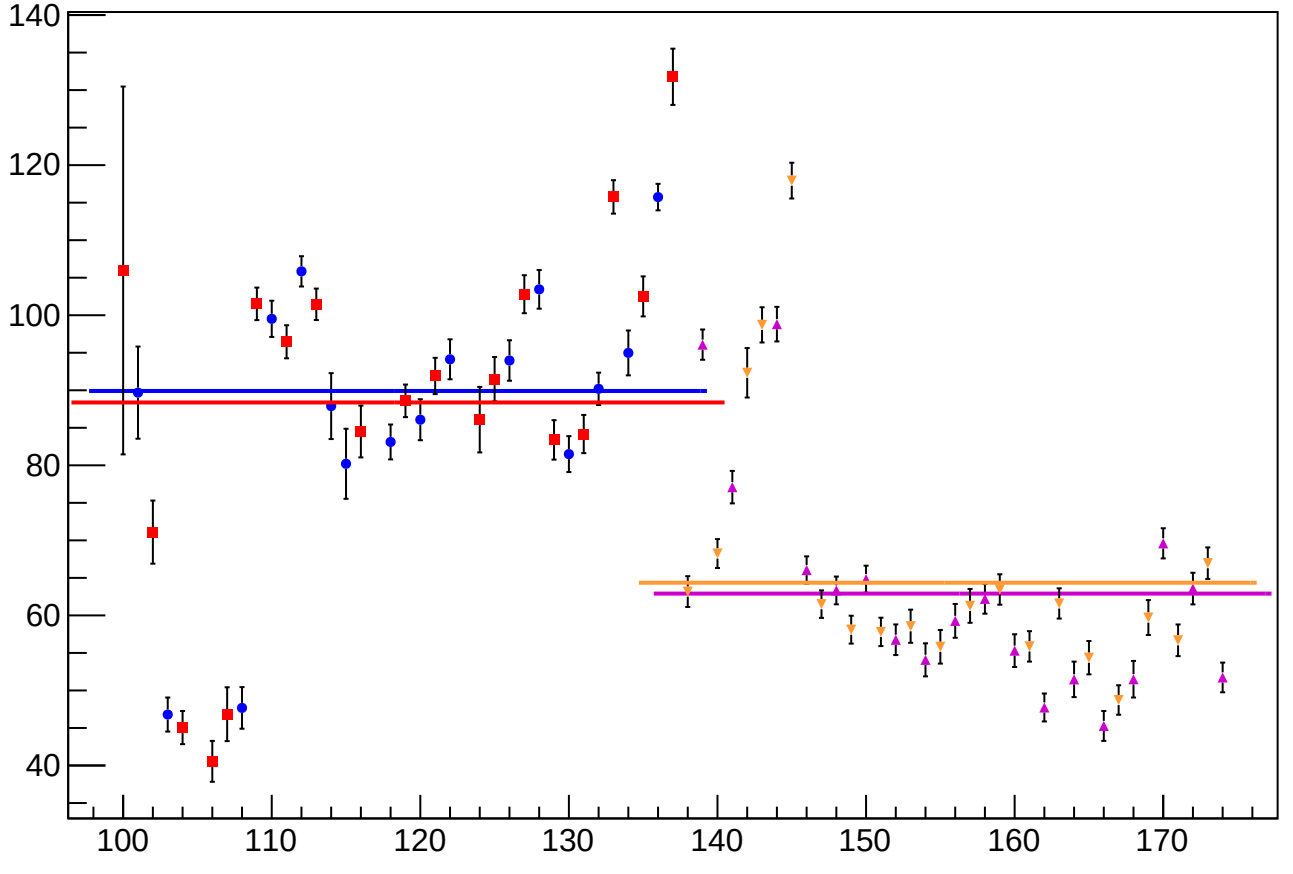
Right: 15.300+/-0.402 χ^2/NDF: 482.0/34

In: 8.649+/-0.299 χ^2/NDF:613.7/33

Out: 9.373+/-0.290 χ^2/NDF:856.0/37

All: 9.022+/-0.208 χ^2/NDF: 1472.7/71

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 89.907+/-0.641 χ^2/NDF: 947.7/15

Left Out: 64.355+/-0.485 χ^2/NDF:966.8/18

Right Out: 88.375+/-0.617 χ^2/NDF: 1288.9/18

Left In: 62.907+/-0.484 χ^2/NDF:833.5/17

Left: 63.629+/-0.342 χ^2/NDF: 1804.8/36

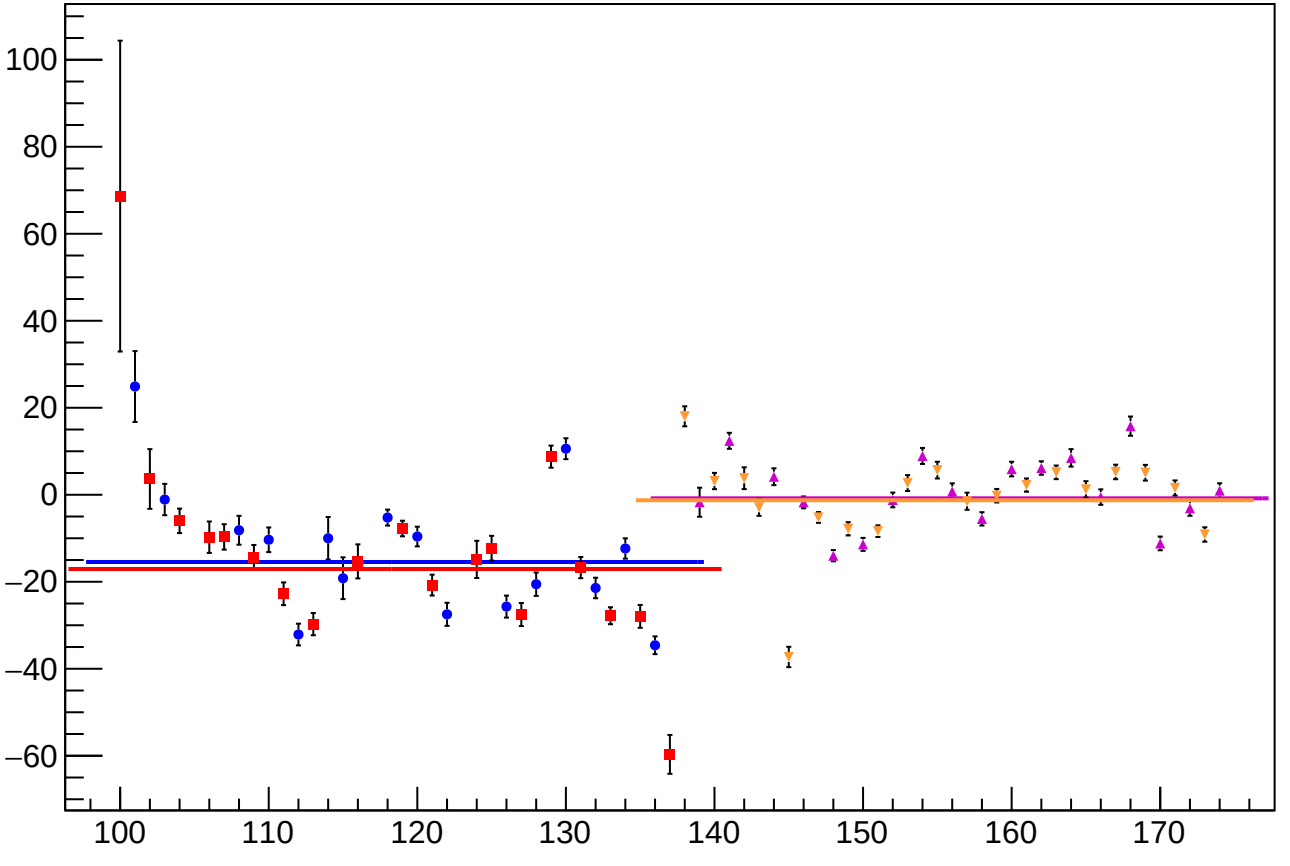
Right: 89.113+/-0.445 χ^2/NDF: 2239.5/34

In: 72.705+/-0.386 χ^2/NDF:2912.7/33

Out: 73.517+/-0.381 χ^2/NDF:3191.8/37

All: 73.116+/-0.271 χ^2/NDF: 6106.8/71

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -15.454+/-0.665 χ^2/NDF: 386.5/15

Left Out: -1.263+/-0.394 χ^2/NDF:468.6/18

Right Out: -17.066+/-0.644 χ^2/NDF: 361.0/18

Left In: -0.818+/-0.401 χ^2/NDF:410.8/17

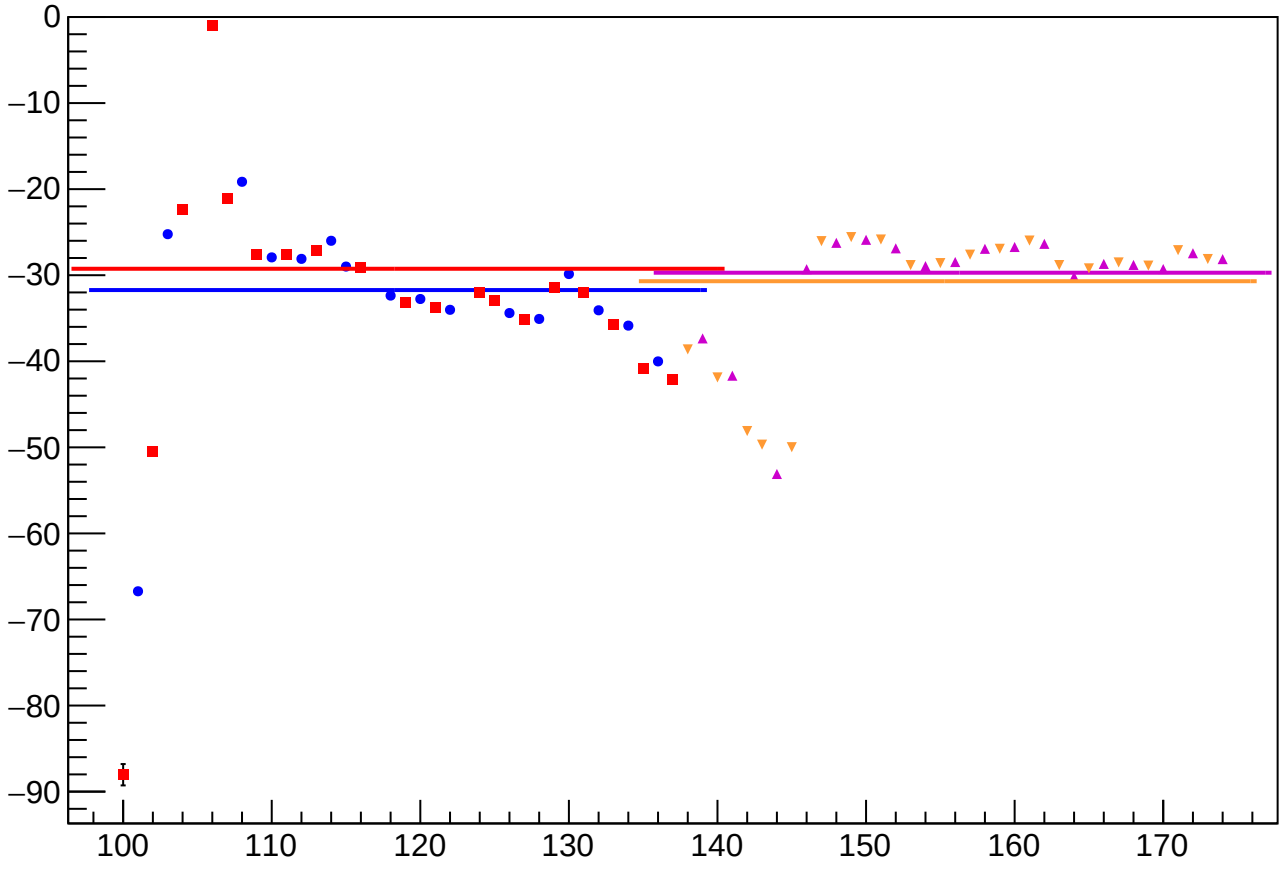
Left: -1.044+/-0.281 χ^2/NDF: 880.0/36

Right: -16.287+/-0.463 χ^2/NDF: 750.5/34

In: -4.719+/-0.344 χ^2/NDF:1152.1/33

Out: -5.575+/-0.336 χ^2/NDF:1267.9/37

All: -5.156+/-0.240 χ^2/NDF: 2423.2/71



Right In: -31.725+/-0.039 χ^2/NDF: 39636.6/15

Left Out: -30.697+/-0.018 χ^2/NDF:151703.2/18

Right Out: -29.250+/-0.038 χ^2/NDF: 95235.9/18

Left In: -29.710+/-0.018 χ^2/NDF:95097.2/17

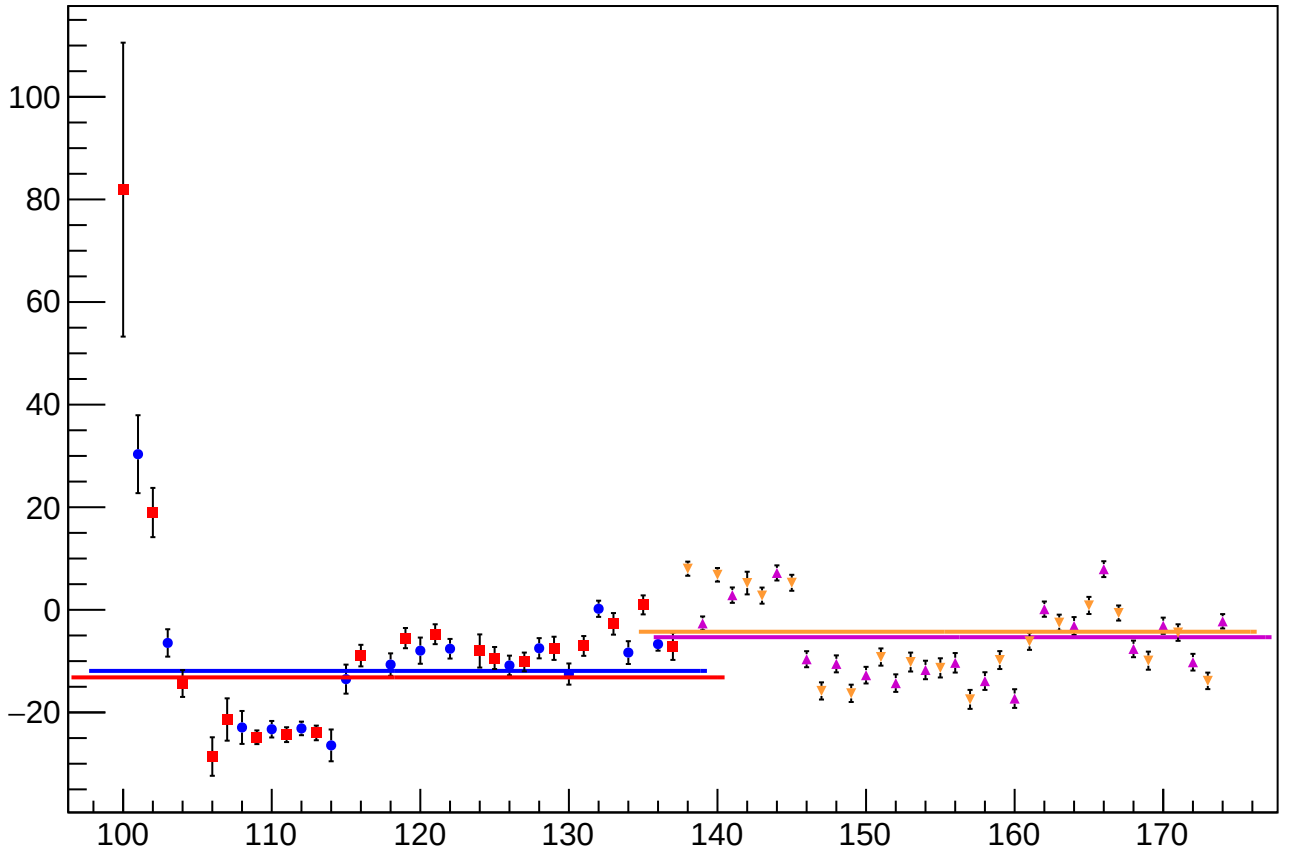
Left: -30.198+/-0.013 χ^2/NDF: 248304.0/36

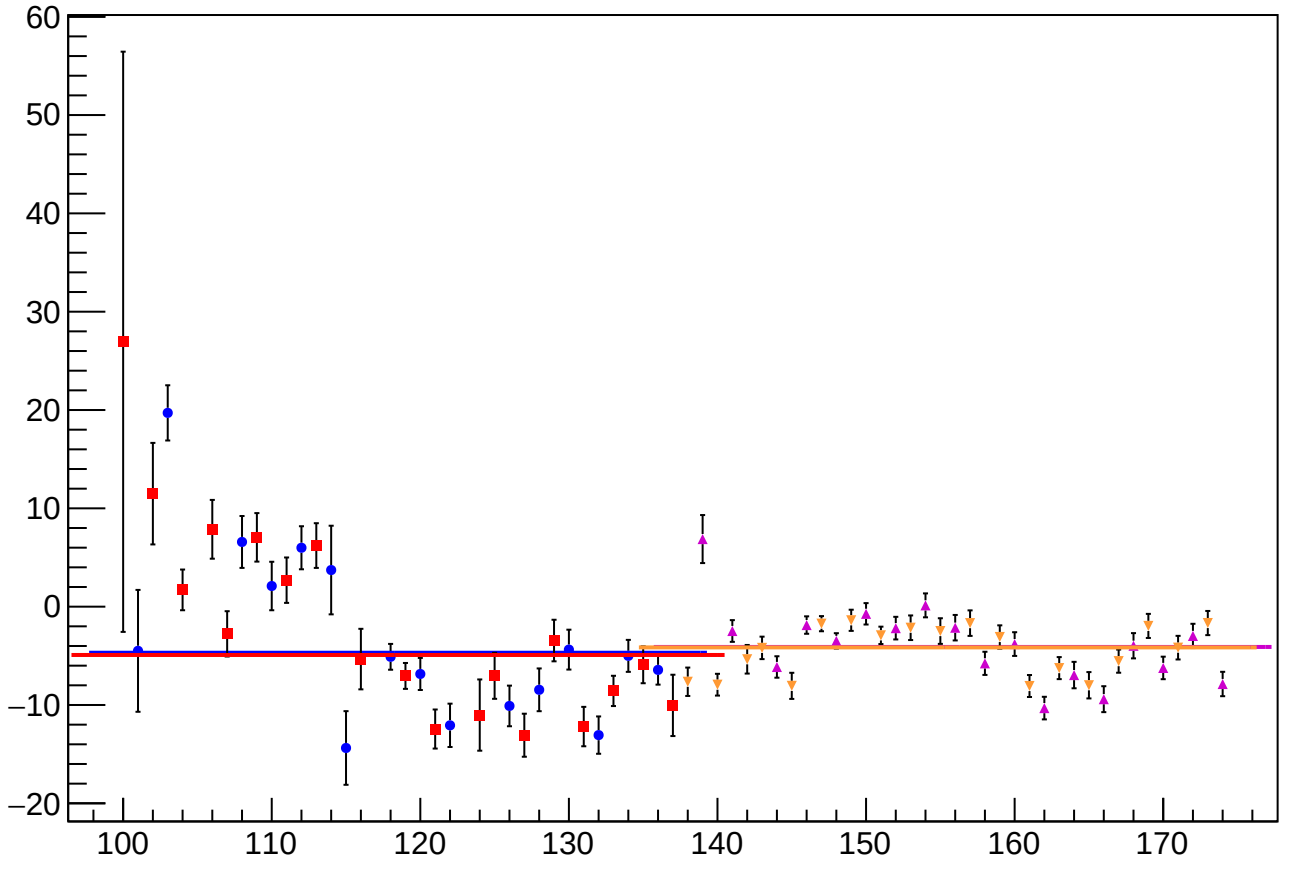
Right: -30.485+/-0.027 χ^2/NDF: 136941.1/34

In: -30.068+/-0.016 χ^2/NDF:136983.4/33

Out: -30.435+/-0.016 χ^2/NDF:248099.8/37

All: -30.250+/-0.012 χ^2/NDF: 385335.9/71


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: -4.271+/-0.376 χ²/NDF:481.7/18
Right Out: -13.169+/-0.480 χ²/NDF: 421.5/18
Left In: -5.335+/-0.377 χ²/NDF:365.5/17
Left: -4.802+/-0.266 χ²/NDF: 851.2/36
Right: -12.559+/-0.345 χ²/NDF: 706.9/34
In: -7.737+/-0.300 χ²/NDF:758.6/33
Out: -7.655+/-0.296 χ²/NDF:1116.1/37
All: -7.695+/-0.211 χ²/NDF: 1874.7/71



Right In: -4.686+/-0.517 χ^2/NDF: 179.0/15

Left Out: -4.144+/-0.264 χ^2/NDF:86.6/18

Right Out: -4.913+/-0.513 χ^2/NDF: 155.9/18

Left In: -4.097+/-0.271 χ^2/NDF:125.1/17

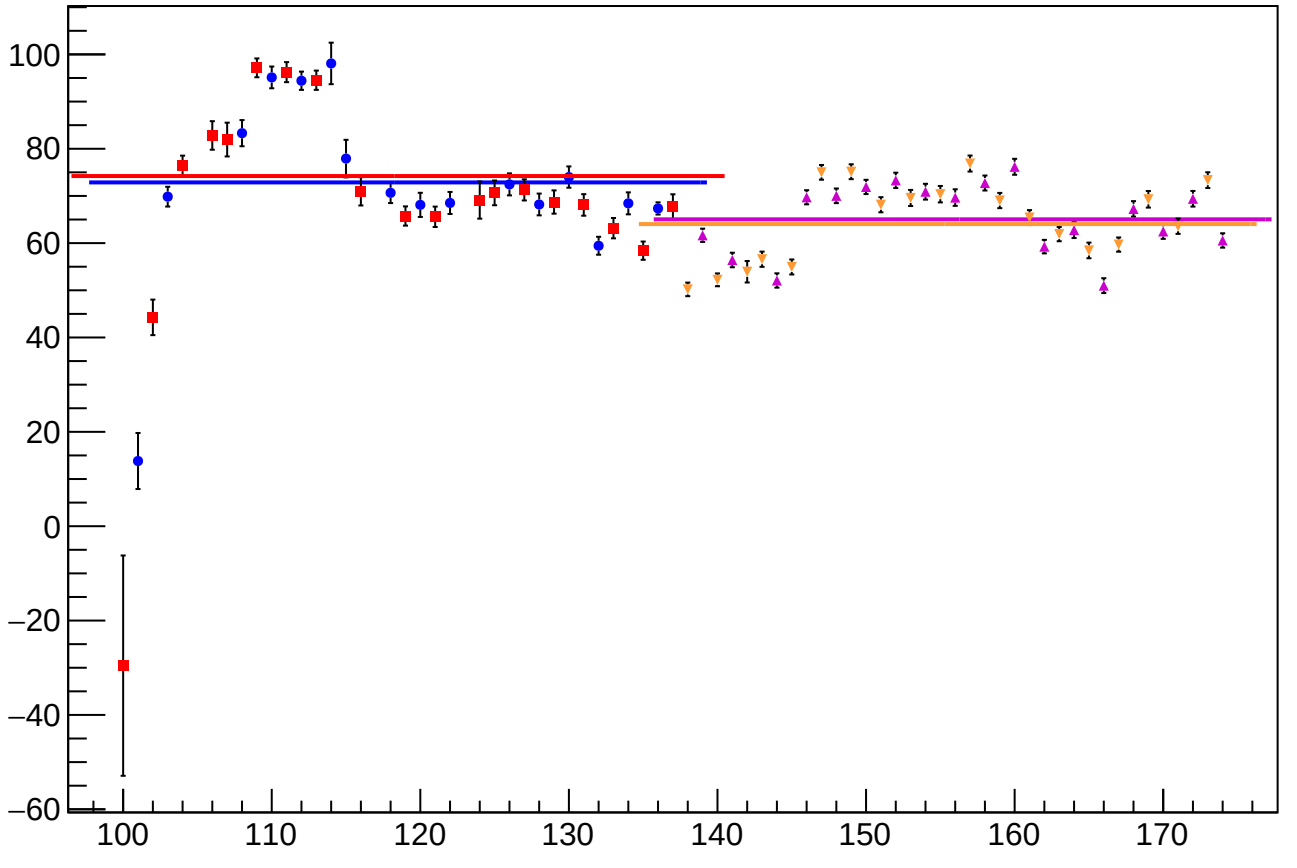
Left: -4.121+/-0.189 χ^2/NDF: 211.8/36

Right: -4.801+/-0.364 χ^2/NDF: 335.0/34

In: -4.224+/-0.240 χ^2/NDF:305.2/33

Out: -4.305+/-0.235 χ^2/NDF:244.3/37

All: -4.265+/-0.168 χ^2/NDF: 549.5/71



Right In: 72.866+/-0.565 χ^2/NDF: 450.7/15

Left Out: 64.037+/-0.370 χ^2/NDF:499.7/18

Right Out: 74.217+/-0.562 χ^2/NDF: 586.2/18

Left In: 65.041+/-0.371 χ^2/NDF:380.1/17

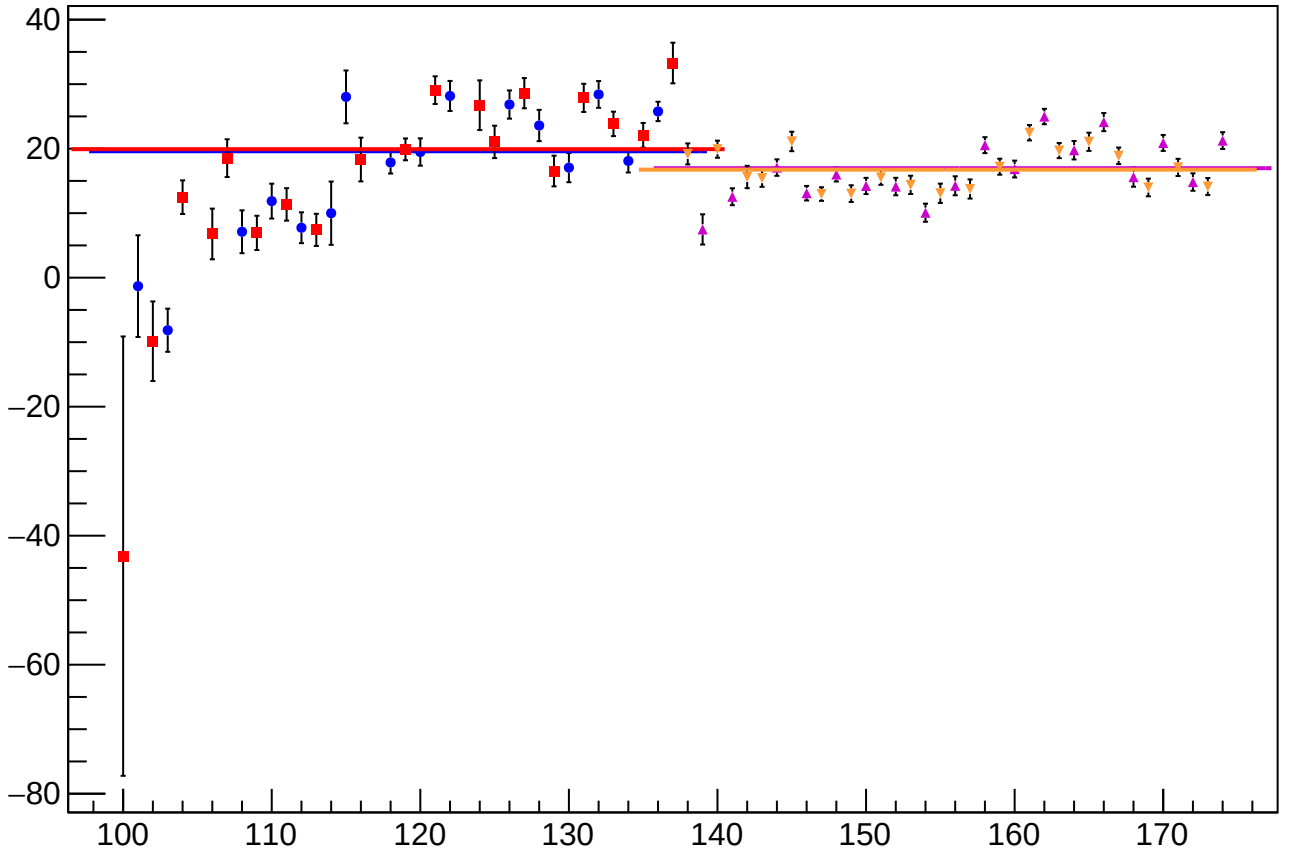
Left: 64.538+/-0.262 χ^2/NDF: 883.5/36

Right: 73.545+/-0.399 χ^2/NDF: 1039.8/34

In: 67.395+/-0.310 χ^2/NDF:964.7/33

Out: 67.114+/-0.309 χ^2/NDF:1314.7/37

All: 67.254+/-0.219 χ^2/NDF: 2279.8/71



Right In: 19.598+/-0.585 χ^2/NDF: 196.0/15

Left Out: 16.746+/-0.305 χ^2/NDF:102.7/18

Right Out: 19.919+/-0.585 χ^2/NDF: 181.3/18

Left In: 16.969+/-0.311 χ^2/NDF:184.7/17

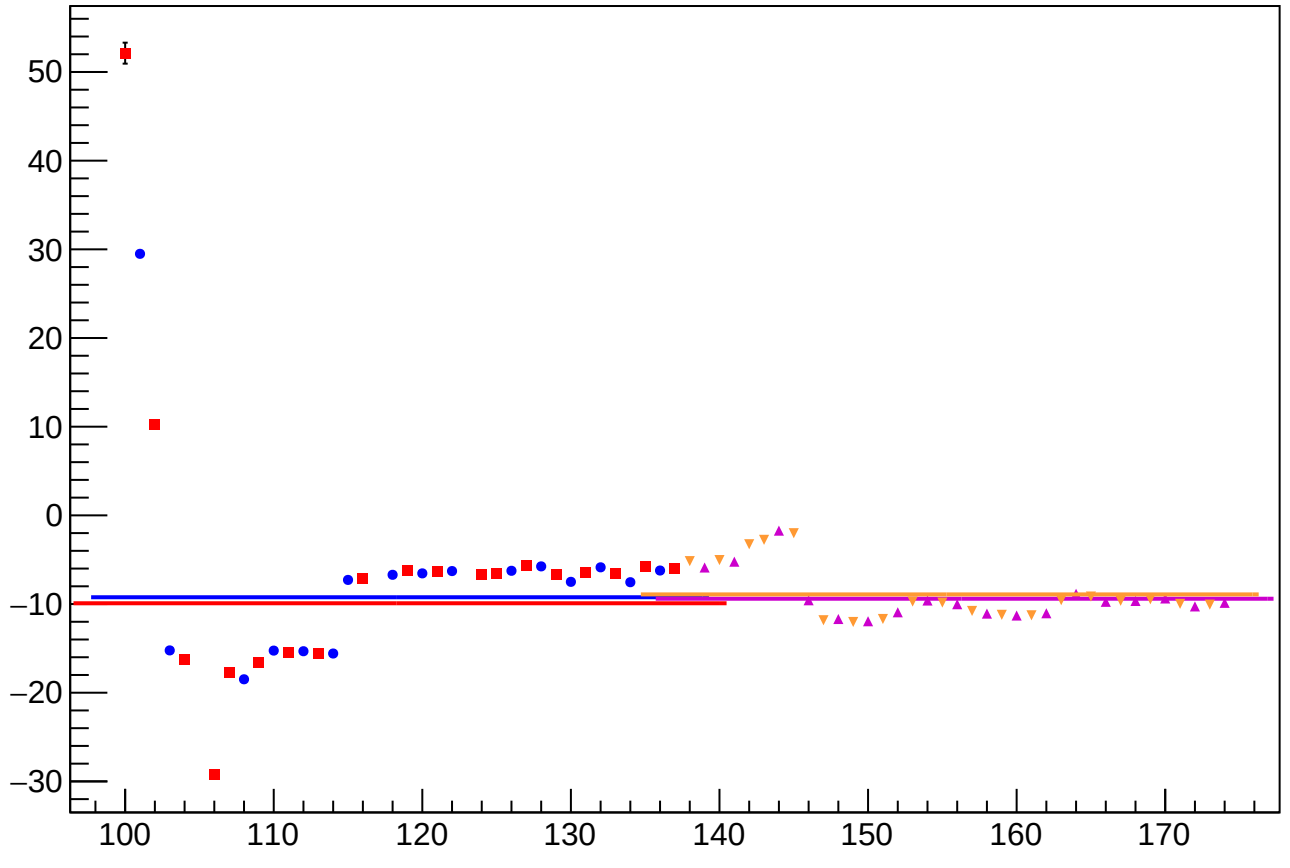
Left: 16.855+/-0.218 χ^2/NDF: 287.6/36

Right: 19.759+/-0.414 χ^2/NDF: 377.5/34

In: 17.547+/-0.275 χ^2/NDF:396.4/33

Out: 17.422+/-0.270 χ^2/NDF:307.1/37

All: 17.484+/-0.193 χ^2/NDF: 703.7/71



Right In: -9.235+/-0.033 χ^2/NDF: 31159.3/15

Left Out: -8.913+/-0.014 χ^2/NDF:44921.2/18

Right Out: -9.913+/-0.034 χ^2/NDF: 53863.3/18

Left In: -9.402+/-0.014 χ^2/NDF:29318.0/17

Left: -9.159+/-0.010 χ^2/NDF: 74868.8/36

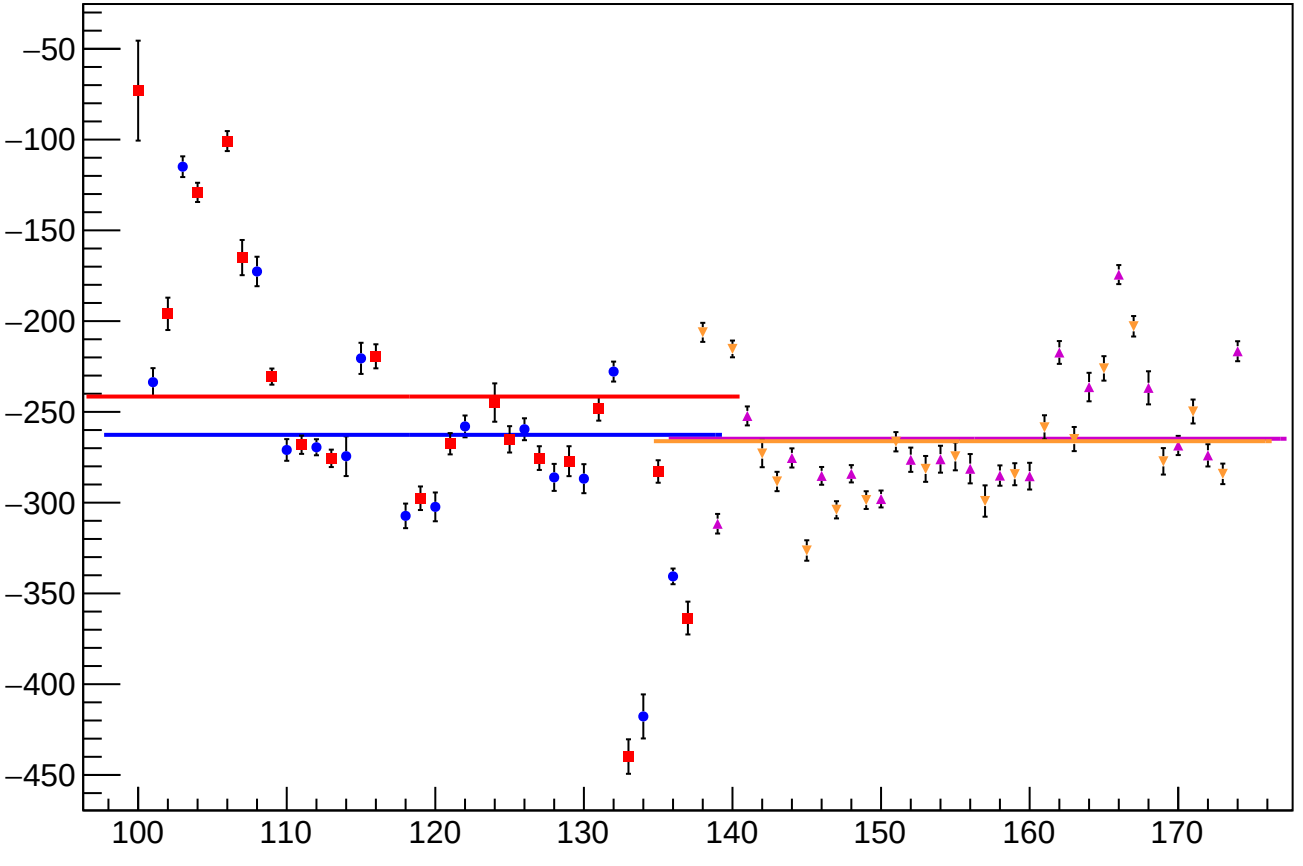
Right: -9.558+/-0.024 χ^2/NDF: 85225.4/34

In: -9.377+/-0.013 χ^2/NDF:60499.3/33

Out: -9.052+/-0.013 χ^2/NDF:99509.9/37

All: -9.217+/-0.009 χ^2/NDF: 160334.9/71

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: -266.139+/-1.363 χ^2/NDF:702.9/18

Right Out: -241.548+/-1.506 χ^2/NDF: 2138.6/18

Left In: -264.798+/-1.374 χ^2/NDF:655.8/17

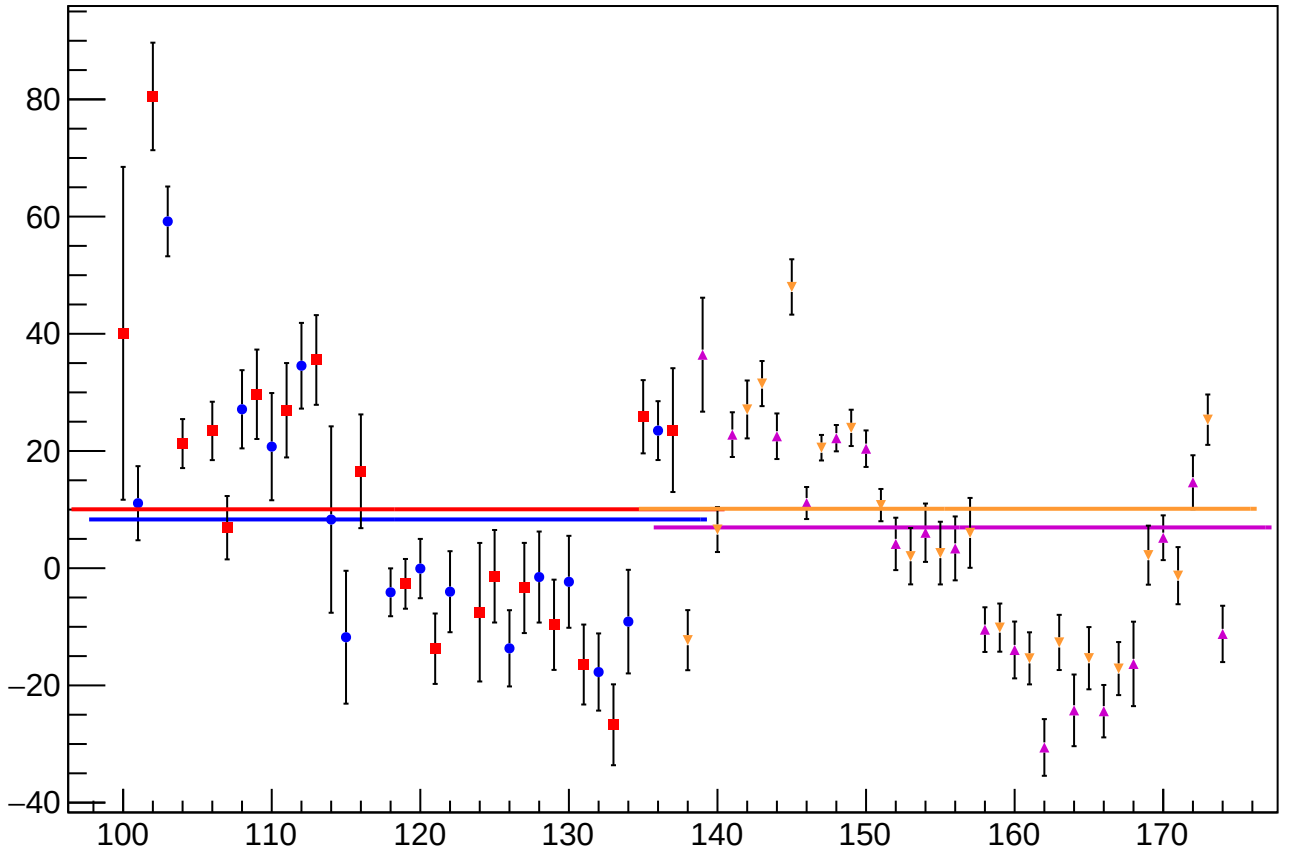
Left: -265.474+/-0.967 χ^2/NDF: 1359.2/36

Right: -251.368+/-1.101 χ^2/NDF: 3684.2/34

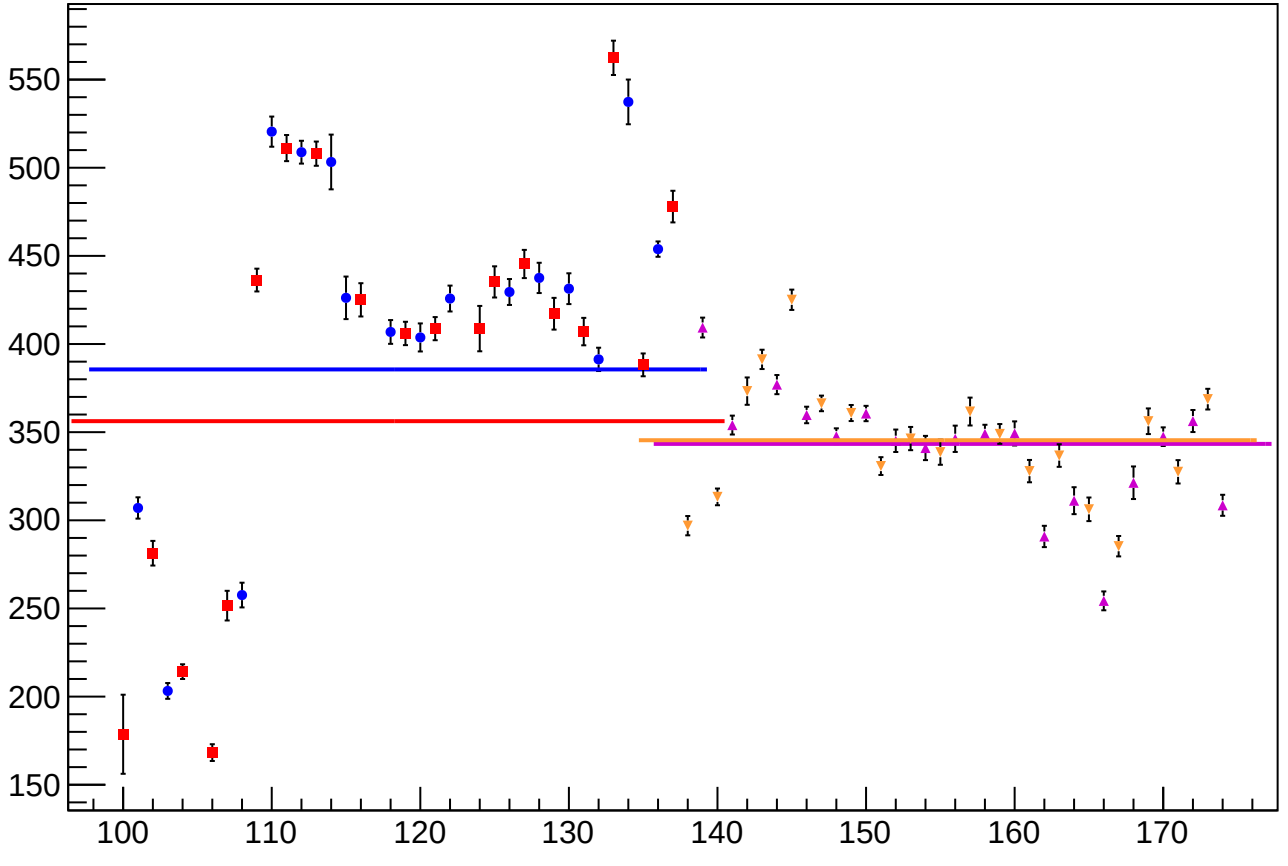
In: -263.893+/-1.046 χ^2/NDF:2111.1/33

Out: -255.070+/-1.010 χ^2/NDF:2988.0/37

All: -259.329+/-0.727 χ^2/NDF: 5136.0/71


reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
110
120
130
140
150
160
170
Right In: 8.320+/-1.644 χ²/NDF: 157.6/15
Left Out: 10.140+/-0.918 χ²/NDF:335.5/18
Right Out: 10.052+/-1.539 χ²/NDF: 187.4/18
Left In: 6.958+/-0.948 χ²/NDF:312.9/17
Left: 8.600+/-0.659 χ²/NDF: 654.2/36
Right: 9.243+/-1.123 χ²/NDF: 345.7/34
In: 7.298+/-0.821 χ²/NDF:471.1/33
Out: 10.117+/-0.788 χ²/NDF:522.9/37
All: 8.765+/-0.569 χ²/NDF: 1000.1/71

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: 345.428+/-1.338 χ^2/NDF:623.5/18

Right Out: 356.245+/-1.647 χ^2/NDF: 5270.3/18

Left In: 343.351+/-1.346 χ^2/NDF:625.6/17

Left: 344.396+/-0.949 χ^2/NDF: 1250.3/36

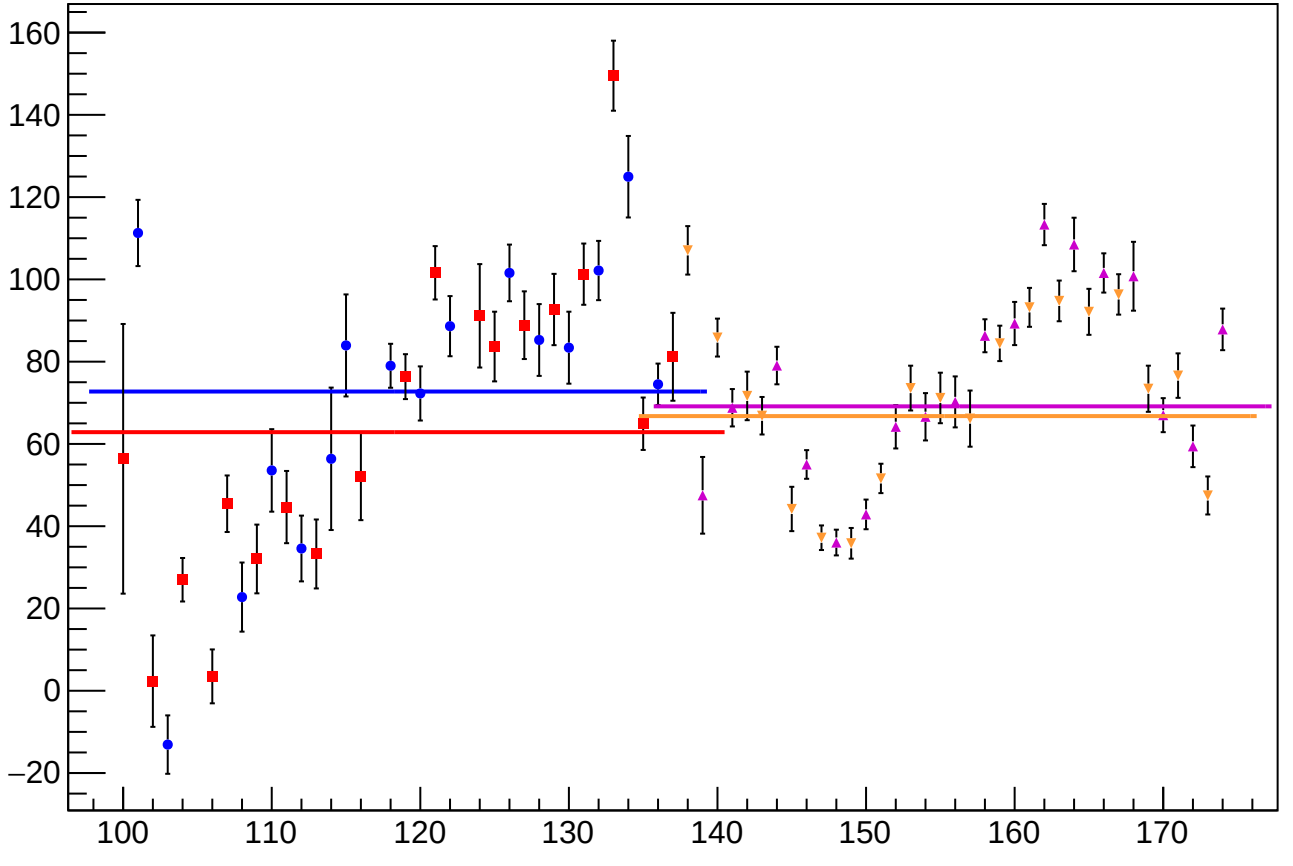
Right: 370.089+/-1.197 χ^2/NDF: 8793.2/34

In: 359.135+/-1.065 χ^2/NDF:4366.8/33

Out: 349.729+/-1.038 χ^2/NDF:5919.7/37

All: 354.312+/-0.743 χ^2/NDF: 10326.6/71

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.740+/-1.897 χ^2/NDF: 304.3/15

Left Out: 66.768+/-1.080 χ^2/NDF:427.9/18

Right Out: 62.863+/-1.795 χ^2/NDF: 403.6/18

Left In: 69.138+/-1.105 χ^2/NDF:418.1/17

Left: 67.926+/-0.773 χ^2/NDF: 848.4/36

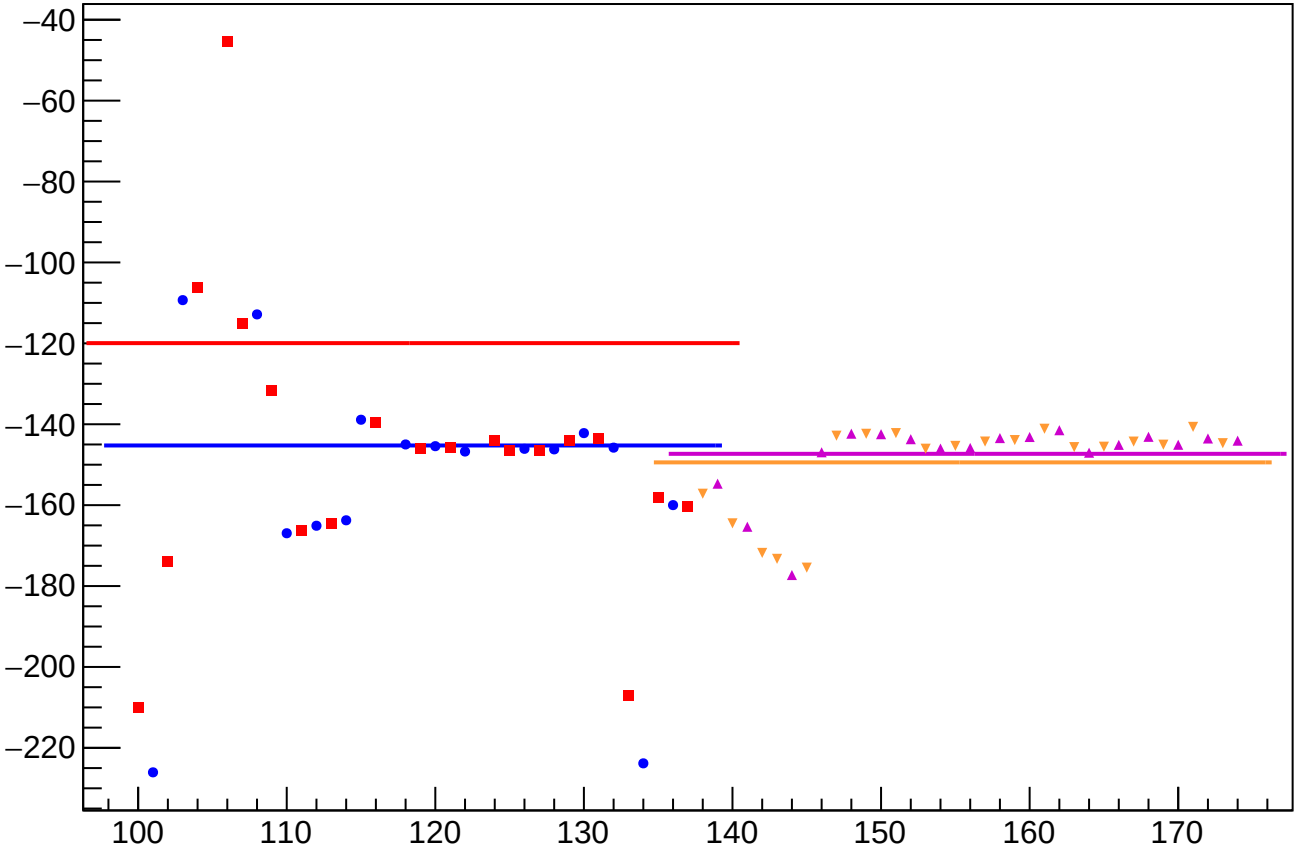
Right: 67.528+/-1.304 χ^2/NDF: 722.2/34

In: 70.051+/-0.955 χ^2/NDF:725.1/33

Out: 65.729+/-0.926 χ^2/NDF:835.0/37

All: 67.822+/-0.665 χ^2/NDF: 1570.7/71

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: -149.427+/-0.051 χ^2/NDF:45499.4/18

Right Out: -119.947+/-0.089 χ^2/NDF: 270354.1/18

Left In: -147.312+/-0.051 χ^2/NDF:27508.9/17

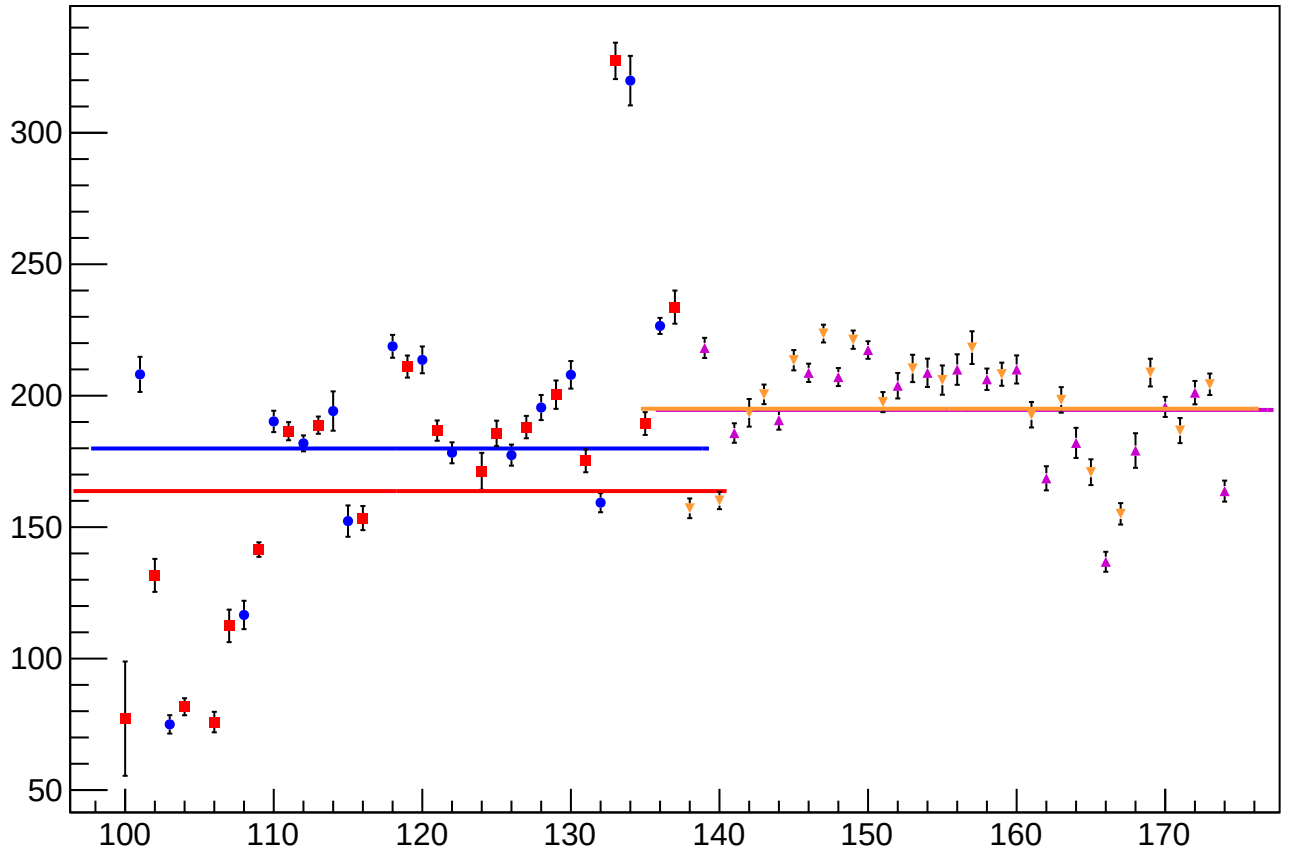
Left: -148.360+/-0.036 χ^2/NDF: 73872.5/36

Right: -131.335+/-0.066 χ^2/NDF: 438808.7/34

In: -146.879+/-0.045 χ^2/NDF:159915.1/33

Out: -142.115+/-0.044 χ^2/NDF:398412.9/37

All: -144.459+/-0.032 χ^2/NDF: 564015.4/71



Right In: 179.918+/-1.089 χ^2/NDF: 1732.7/15

Left Out: 195.035+/-0.975 χ^2/NDF:540.9/18

Right Out: 163.718+/-1.001 χ^2/NDF: 2416.8/18

Left In: 194.592+/-0.986 χ^2/NDF:490.8/17

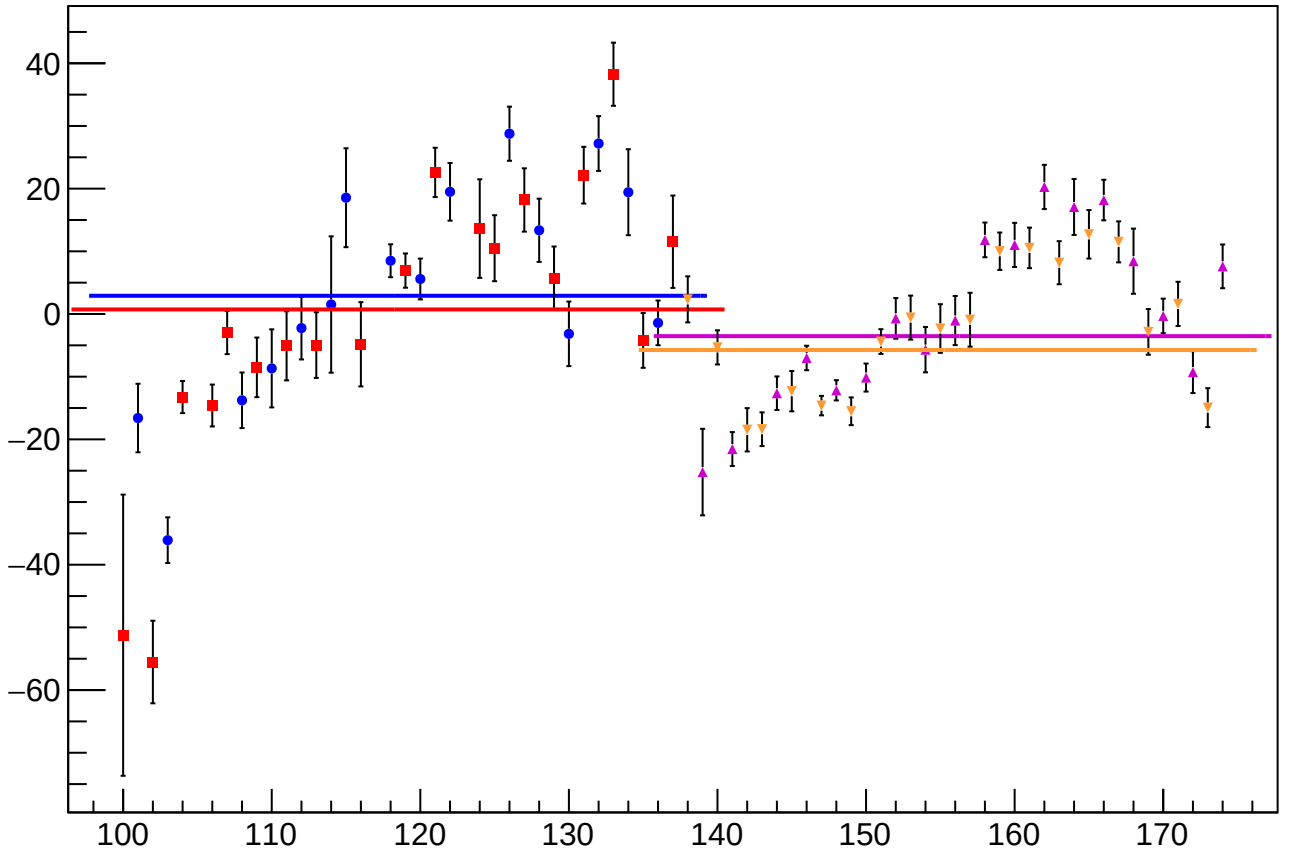
Left: 194.816+/-0.694 χ^2/NDF: 1031.9/36

Right: 171.138+/-0.737 χ^2/NDF: 4269.5/34

In: 187.977+/-0.731 χ^2/NDF:2323.3/33

Out: 179.778+/-0.699 χ^2/NDF:3459.9/37

All: 183.692+/-0.505 χ^2/NDF: 5849.0/71



Right In: 2.907+/-1.105 χ^2/NDF: 247.5/15

Left Out: -5.748+/-0.657 χ^2/NDF:235.4/18

Right Out: 0.729+/-1.012 χ^2/NDF: 273.6/18

Left In: -3.534+/-0.681 χ^2/NDF:287.4/17

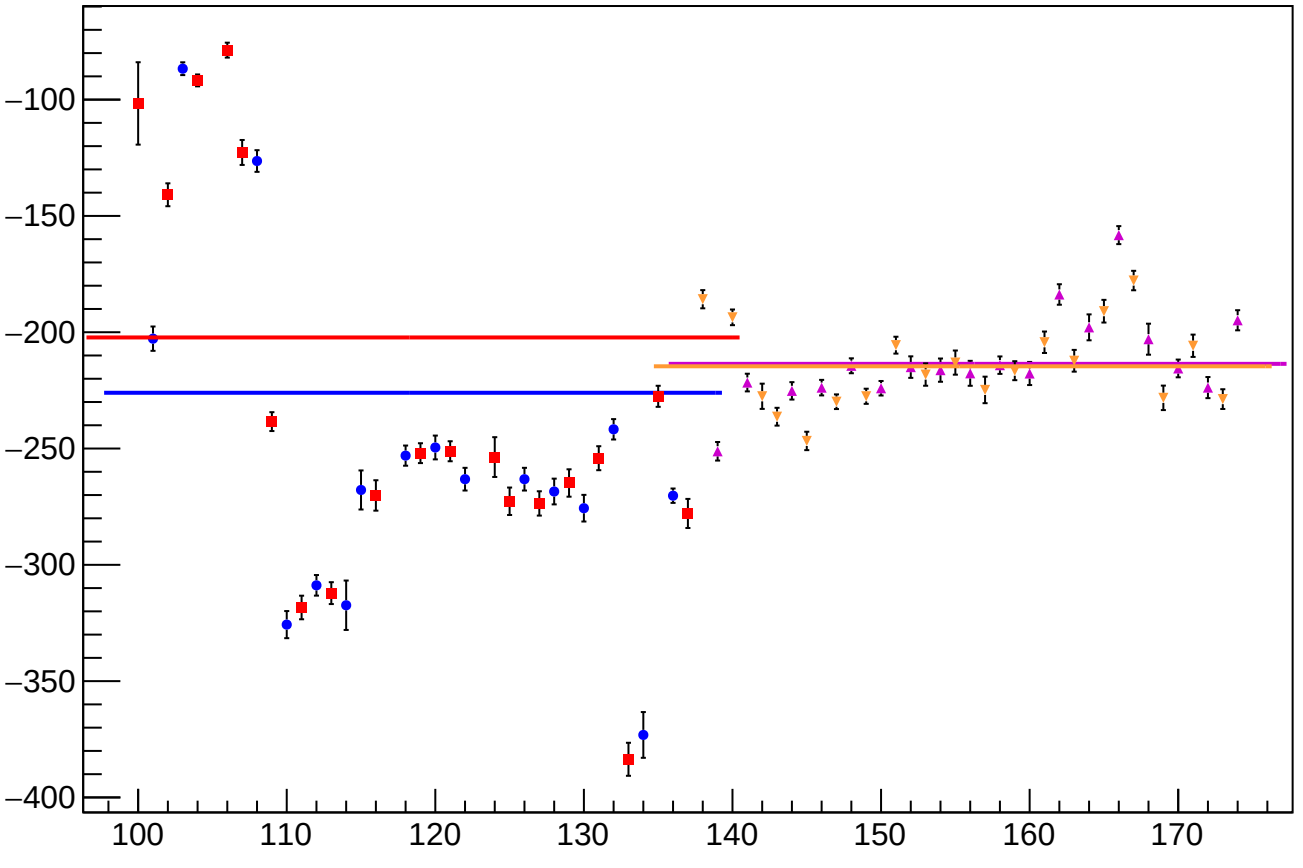
Left: -4.681+/-0.473 χ^2/NDF: 528.3/36

Right: 1.723+/-0.746 χ^2/NDF: 523.2/34

In: -1.760+/-0.580 χ^2/NDF:559.5/33

Out: -3.828+/-0.551 χ^2/NDF:537.8/37

All: -2.847+/-0.399 χ^2/NDF: 1104.0/71



Right In: -226.028+/-1.175 χ^2/NDF: 4539.0/15

Left Out: -214.647+/-0.958 χ^2/NDF:373.9/18

Right Out: -202.247+/-1.087 χ^2/NDF: 6690.8/18

Left In: -213.592+/-0.967 χ^2/NDF:409.9/17

Left: -214.124+/-0.681 χ^2/NDF: 784.4/36

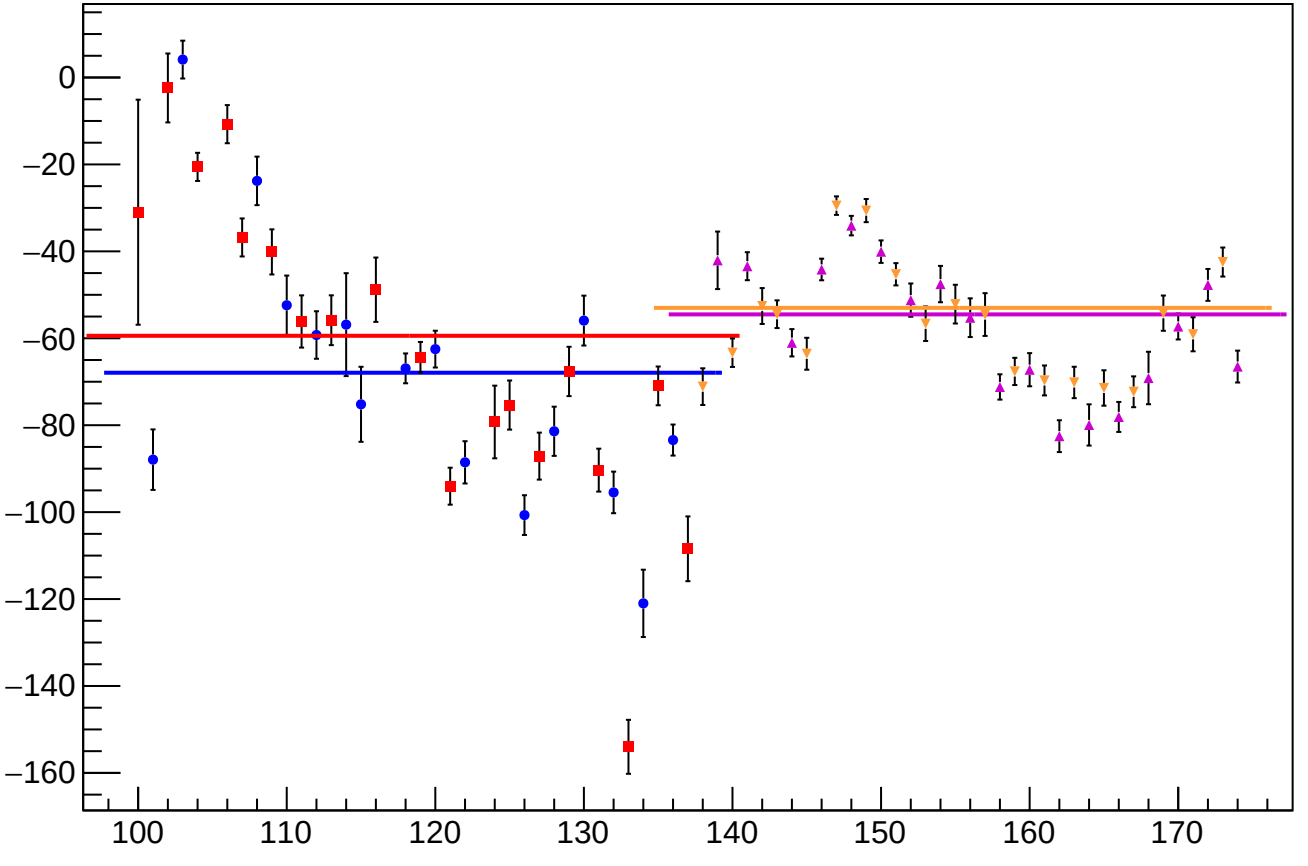
Right: -213.214+/-0.798 χ^2/NDF: 11450.5/34

In: -218.612+/-0.747 χ^2/NDF:5015.7/33

Out: -209.225+/-0.719 χ^2/NDF:7137.9/37

All: -213.741+/-0.518 χ^2/NDF: 12235.7/71

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -67.927+/-1.278 χ^2/NDF: 534.0/15

Left Out: -53.004+/-0.774 χ^2/NDF:370.0/18

Right Out: -59.428+/-1.184 χ^2/NDF: 794.9/18

Left In: -54.504+/-0.795 χ^2/NDF:353.3/17

Left: -53.735+/-0.555 χ^2/NDF: 725.1/36

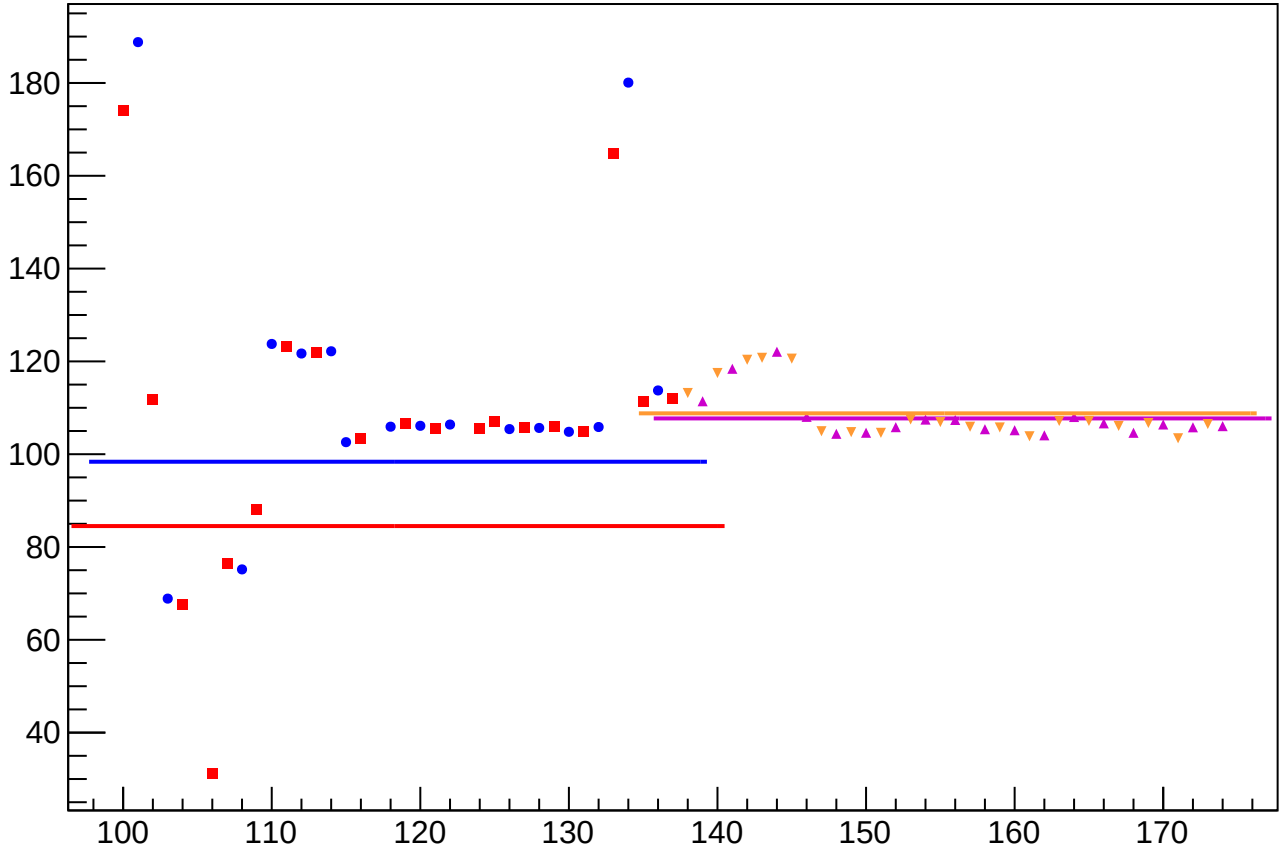
Right: -63.353+/-0.869 χ^2/NDF: 1352.7/34

In: -58.247+/-0.675 χ^2/NDF:966.9/33

Out: -54.928+/-0.648 χ^2/NDF:1185.5/37

All: -56.520+/-0.467 χ^2/NDF: 2164.9/71

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 98.377+/-0.066 χ^2/NDF: 228419.7/15

Left Out: 108.804+/-0.037 χ^2/NDF:24343.3/18

Right Out: 84.512+/-0.061 χ^2/NDF: 268911.0/18

Left In: 107.709+/-0.036 χ^2/NDF:15769.9/17

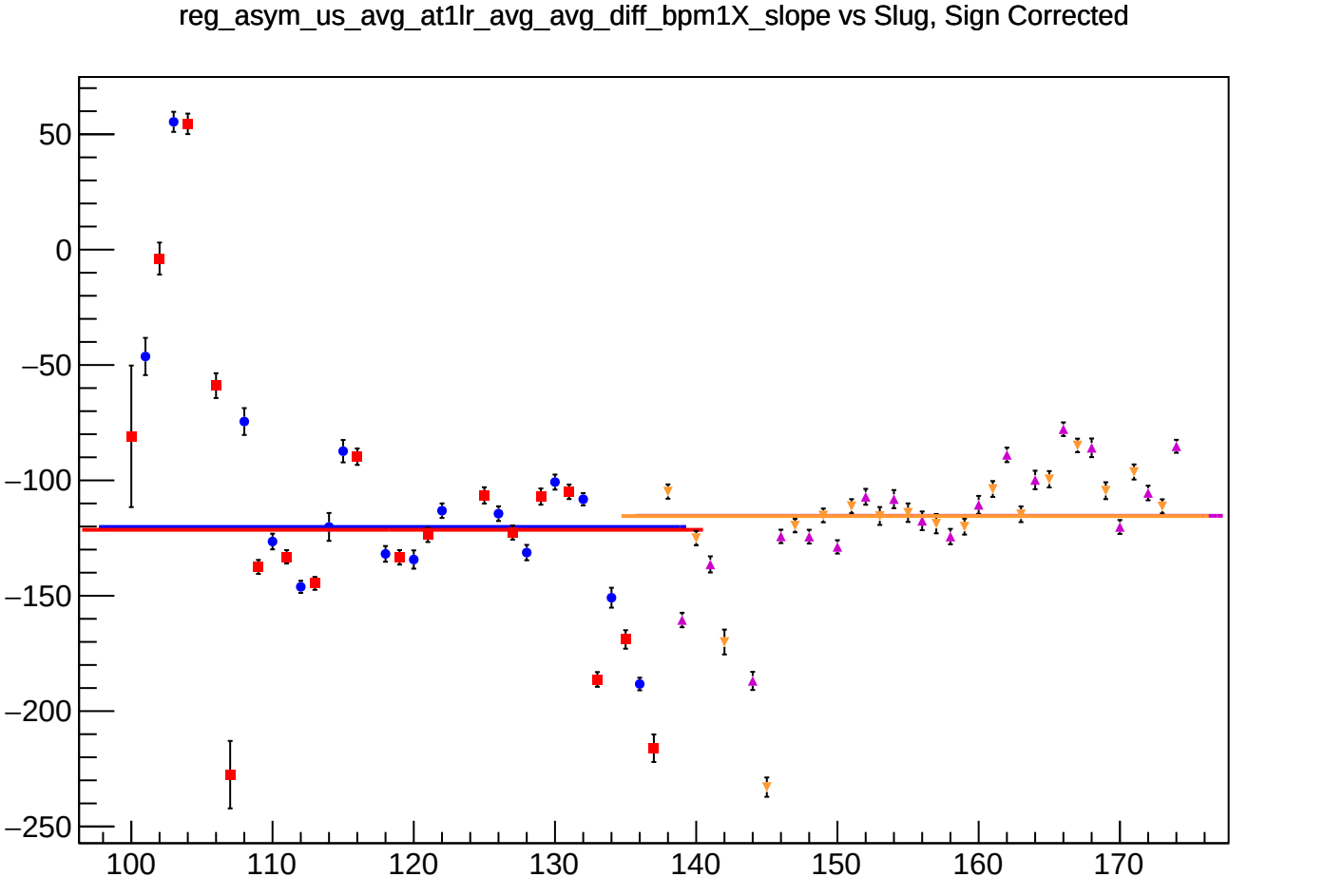
Left: 108.253+/-0.026 χ^2/NDF: 40561.8/36

Right: 90.854+/-0.045 χ^2/NDF: 521250.8/34

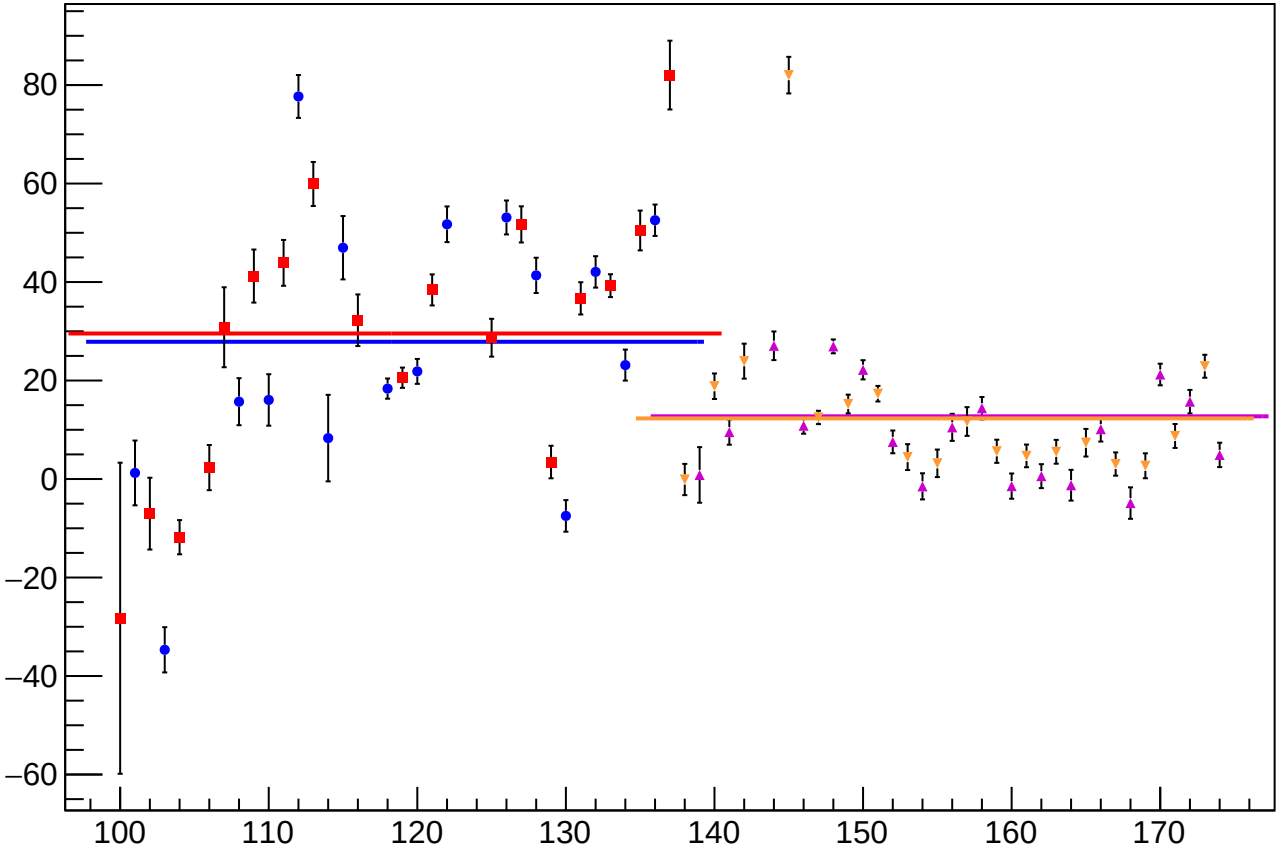
In: 105.531+/-0.032 χ^2/NDF:259497.5/33

Out: 102.297+/-0.031 χ^2/NDF:410781.8/37

All: 103.887+/-0.022 χ^2/NDF: 675502.7/71


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -120.177+/-0.891 χ²/NDF: 2691.2/15
Left Out: -115.463+/-0.805 χ²/NDF:1102.6/17
Right Out: -121.418+/-0.875 χ²/NDF: 3126.3/17
Left In: -115.350+/-0.782 χ²/NDF:1055.3/17
Left: -115.405+/-0.561 χ²/NDF: 2157.9/35
Right: -120.808+/-0.624 χ²/NDF: 5818.5/33
In: -117.451+/-0.588 χ²/NDF:3763.1/33
Out: -118.191+/-0.592 χ²/NDF:4254.0/35
All: -117.818+/-0.417 χ²/NDF: 8017.9/69

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 27.872+/-0.888 χ^2/NDF: 699.6/15

Left Out: 12.311+/-0.545 χ^2/NDF:499.2/17

Right Out: 29.553+/-0.890 χ^2/NDF: 497.5/17

Left In: 12.731+/-0.548 χ^2/NDF:325.3/17

Left: 12.520+/-0.386 χ^2/NDF: 824.8/35

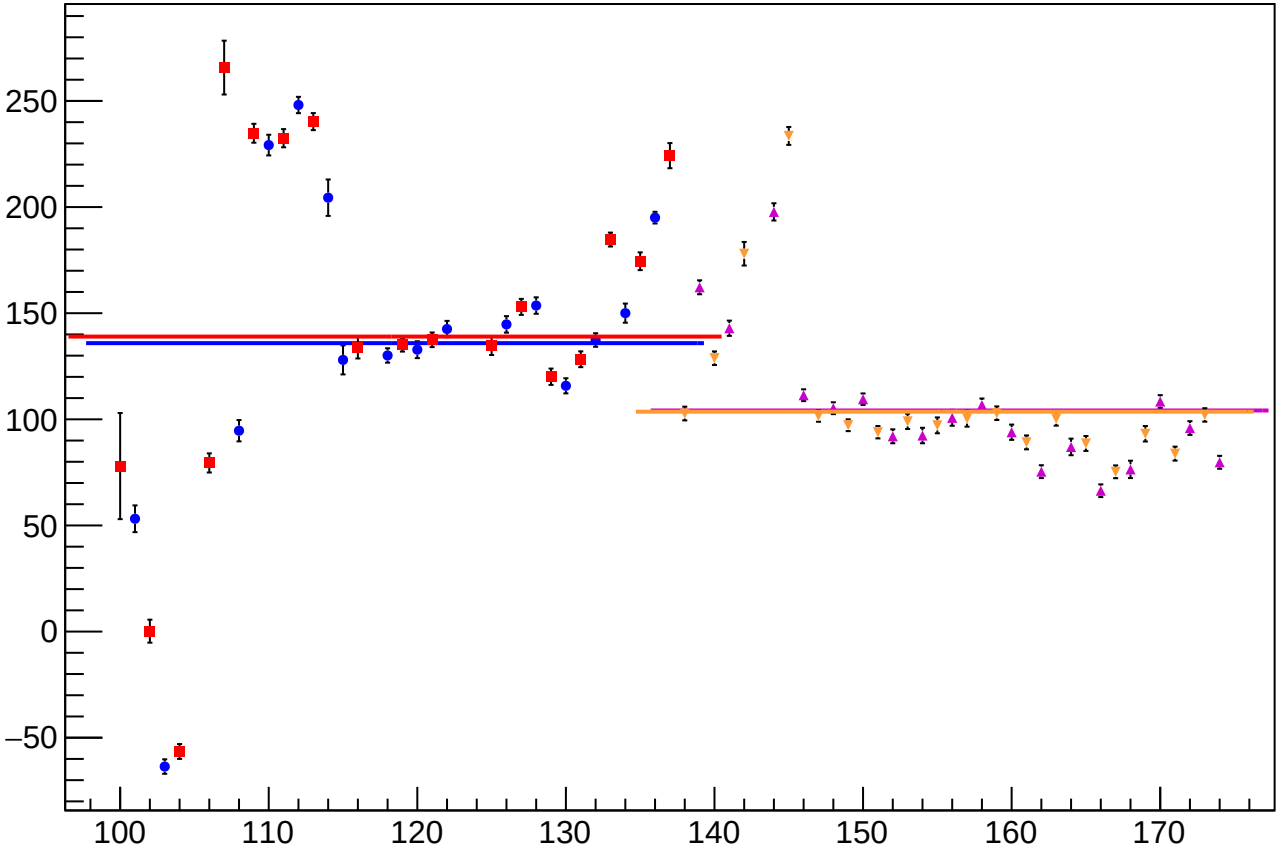
Right: 28.711+/-0.629 χ^2/NDF: 1198.9/33

In: 16.905+/-0.466 χ^2/NDF:1235.4/33

Out: 17.018+/-0.465 χ^2/NDF:1269.7/35

All: 16.962+/-0.329 χ^2/NDF: 2505.1/69

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 135.883+/-0.999 χ^2/NDF: 5463.6/15

Left Out: 103.603+/-0.786 χ^2/NDF:1382.1/17

Right Out: 138.985+/-0.998 χ^2/NDF: 6156.4/17

Left In: 104.165+/-0.766 χ^2/NDF:1388.9/17

Left: 103.891+/-0.549 χ^2/NDF: 2771.3/35

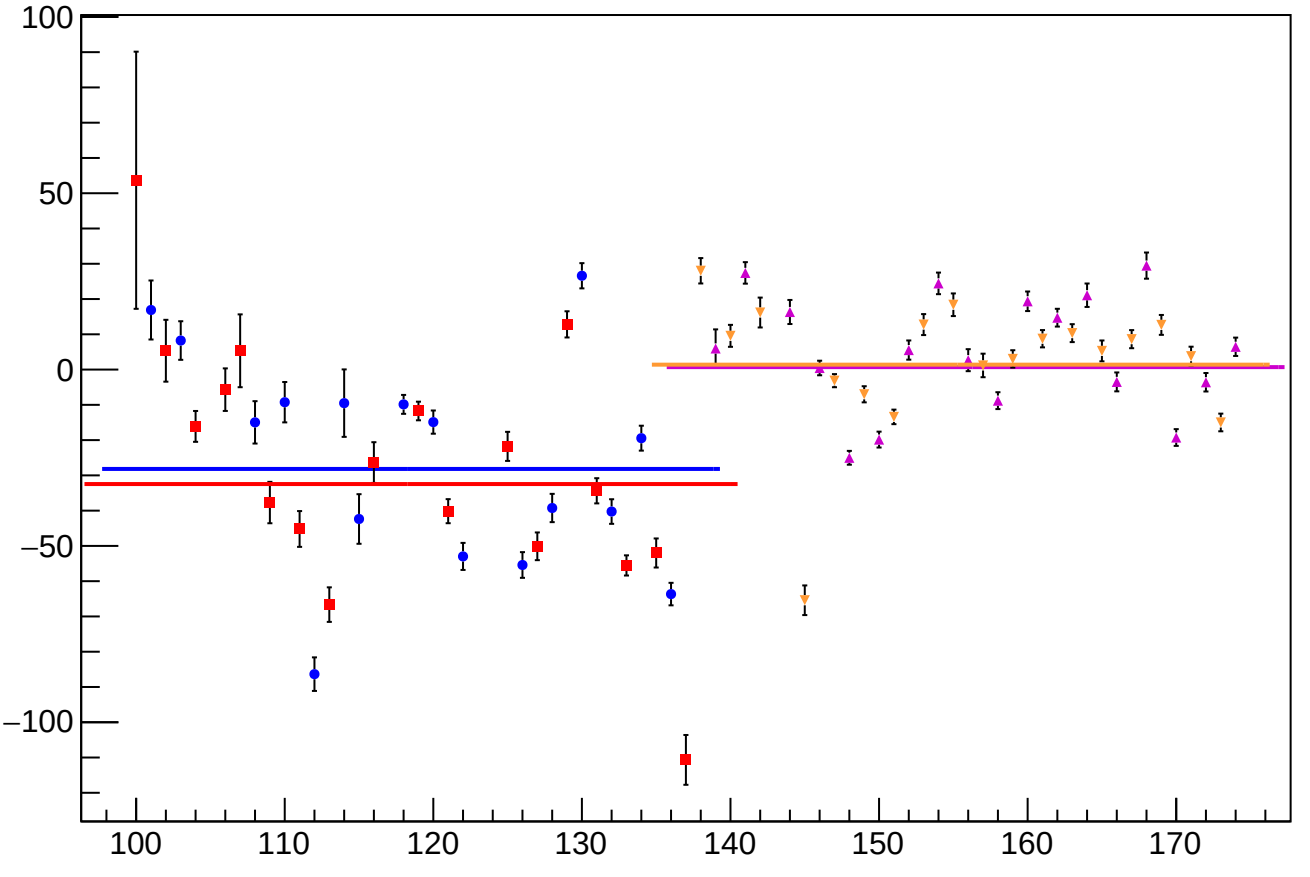
Right: 137.434+/-0.706 χ^2/NDF: 11624.9/33

In: 115.922+/-0.608 χ^2/NDF:7487.6/33

Out: 117.142+/-0.618 χ^2/NDF:8314.0/35

All: 116.522+/-0.433 χ^2/NDF: 15803.6/69

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -28.175+/-1.022 χ^2/NDF: 791.2/15

Left Out: 1.393+/-0.634 χ^2/NDF:531.2/17

Right Out: -32.459+/-1.027 χ^2/NDF: 580.8/17

Left In: 0.695+/-0.633 χ^2/NDF:688.2/17

Left: 1.043+/-0.448 χ^2/NDF: 1220.0/35

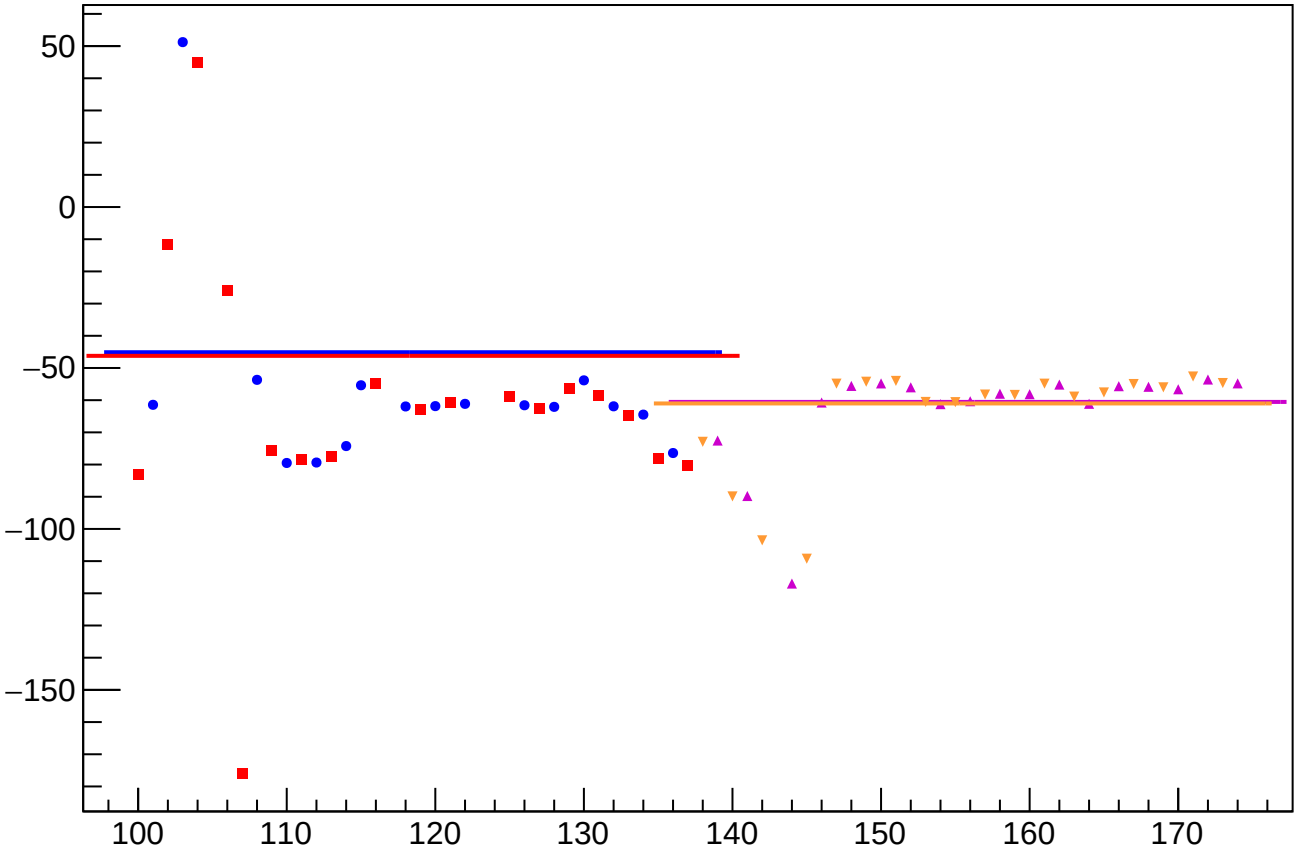
Right: -30.307+/-0.725 χ^2/NDF: 1380.8/33

In: -7.300+/-0.538 χ^2/NDF:2056.1/33

Out: -7.954+/-0.540 χ^2/NDF:1898.0/35

All: -7.626+/-0.381 χ^2/NDF: 3954.9/69

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -45.106+/-0.060 χ^2/NDF: 575184.2/15

Left Out: -61.019+/-0.029 χ^2/NDF:196394.6/17

Right Out: -46.229+/-0.063 χ^2/NDF: 493616.3/17

Left In: -60.542+/-0.028 χ^2/NDF:165972.9/17

Left: -60.774+/-0.020 χ^2/NDF: 362504.2/35

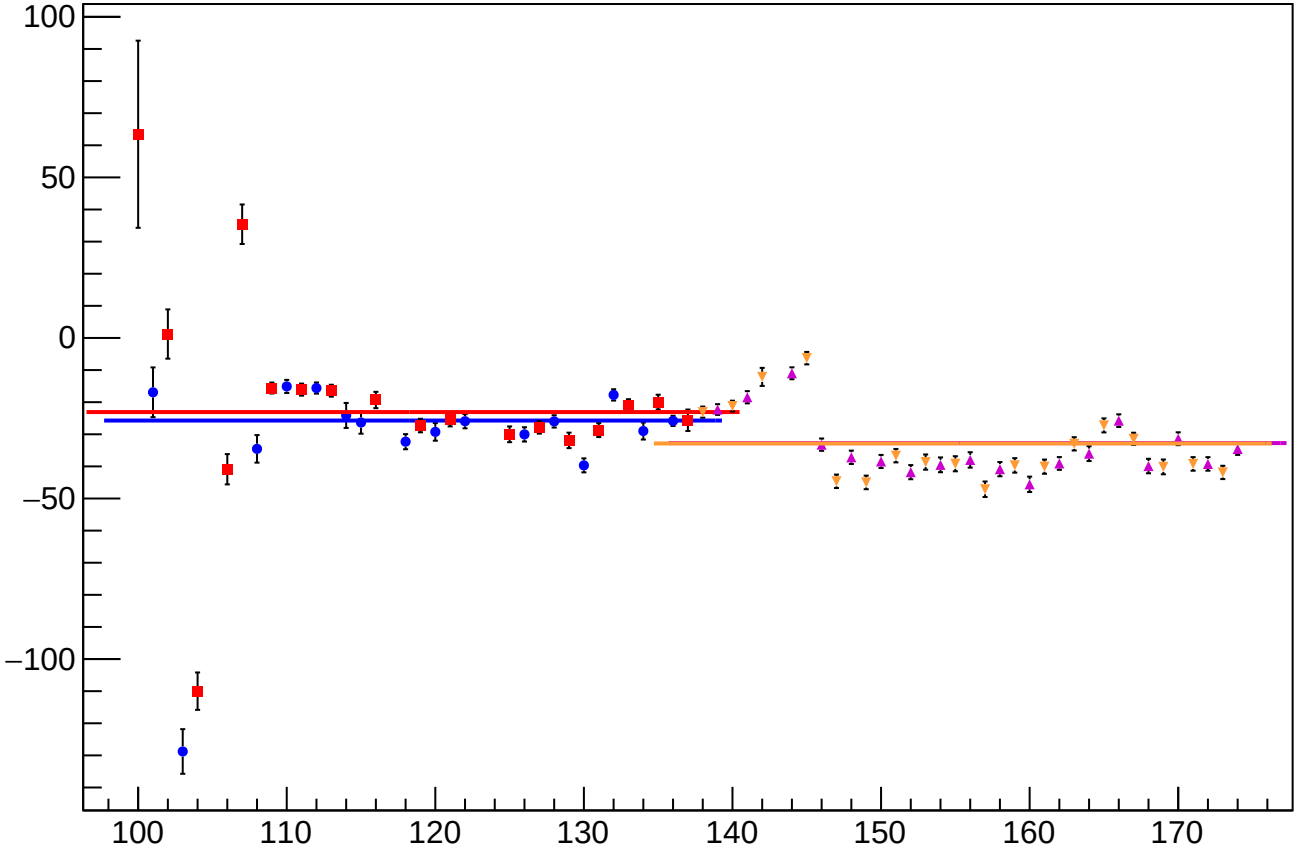
Right: -45.645+/-0.043 χ^2/NDF: 1068967.9/33

In: -57.725+/-0.026 χ^2/NDF:795027.9/33

Out: -58.361+/-0.027 χ^2/NDF:735822.4/35

All: -58.033+/-0.018 χ^2/NDF: 1531146.9/69

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.721+/-0.590 χ^2/NDF: 363.0/15

Left Out: -32.861+/-0.497 χ^2/NDF:502.4/17

Right Out: -23.079+/-0.582 χ^2/NDF: 437.1/17

Left In: -32.737+/-0.484 χ^2/NDF:362.5/17

Left: -32.797+/-0.347 χ^2/NDF: 865.0/35

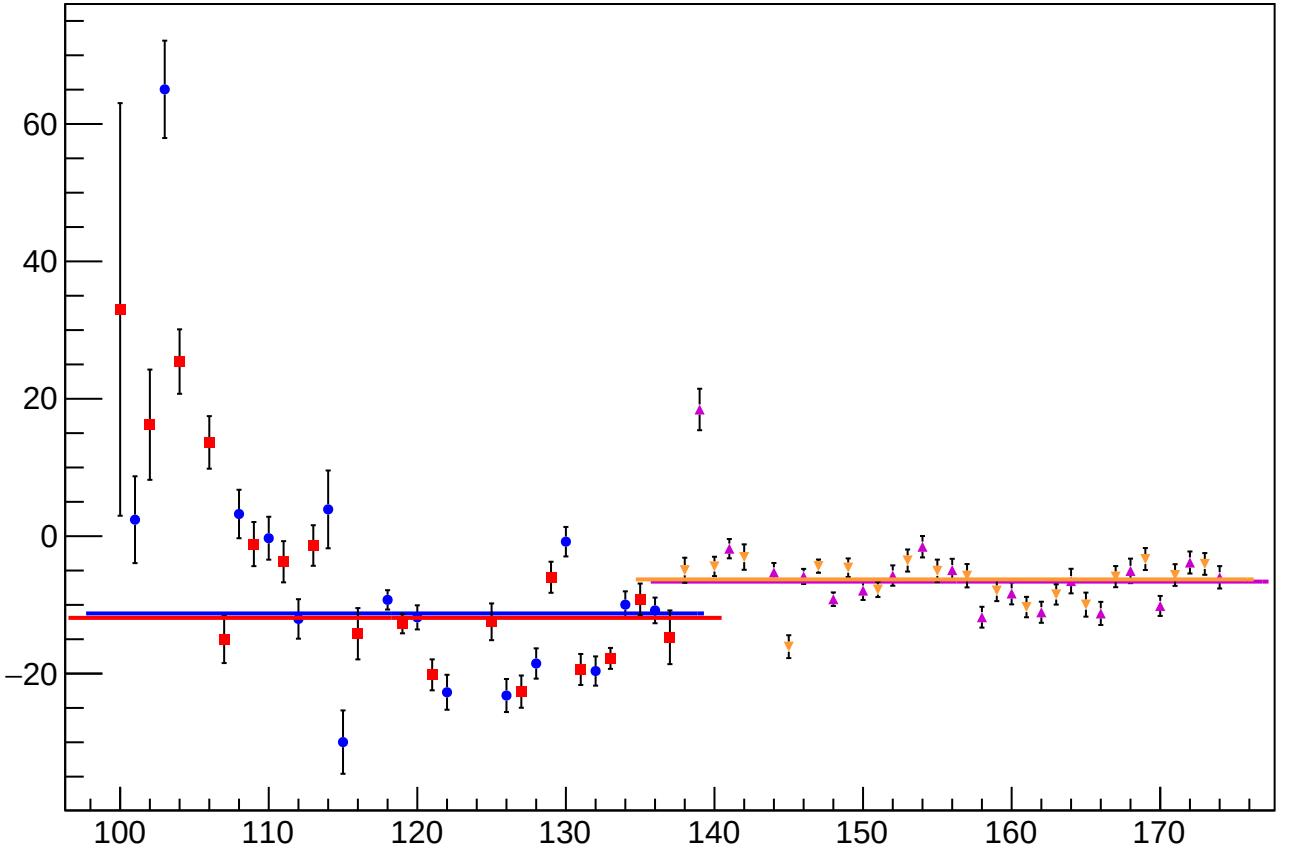
Right: -24.381+/-0.414 χ^2/NDF: 810.3/33

In: -29.917+/-0.374 χ^2/NDF:810.0/33

Out: -28.735+/-0.378 χ^2/NDF:1103.0/35

All: -29.332+/-0.266 χ^2/NDF: 1917.9/69

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: -6.291+/-0.347 χ^2/NDF:71.8/17

Right Out: -11.890+/-0.607 χ^2/NDF: 224.5/17

Left In: -6.611+/-0.348 χ^2/NDF:140.4/17

Left: -6.450+/-0.246 χ^2/NDF: 212.6/35

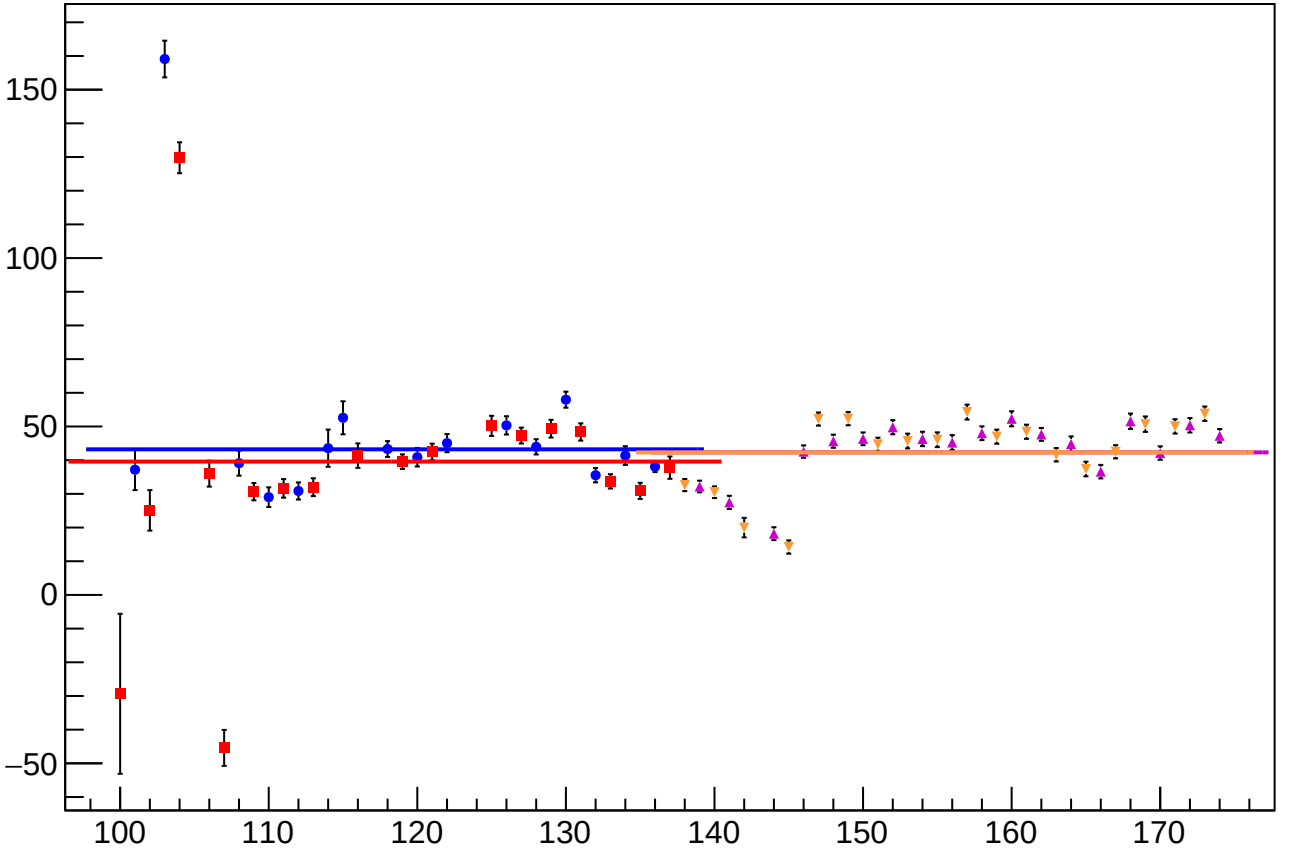
Right: -11.564+/-0.427 χ^2/NDF: 496.1/33

In: -7.778+/-0.301 χ^2/NDF:456.1/33

Out: -7.670+/-0.301 χ^2/NDF:360.4/35

All: -7.724+/-0.213 χ^2/NDF: 816.6/69

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 43.222+/-0.678 χ^2/NDF: 576.0/15

Left Out: 42.305+/-0.488 χ^2/NDF:496.9/17

Right Out: 39.587+/-0.685 χ^2/NDF: 754.0/17

Left In: 42.317+/-0.476 χ^2/NDF:357.1/17

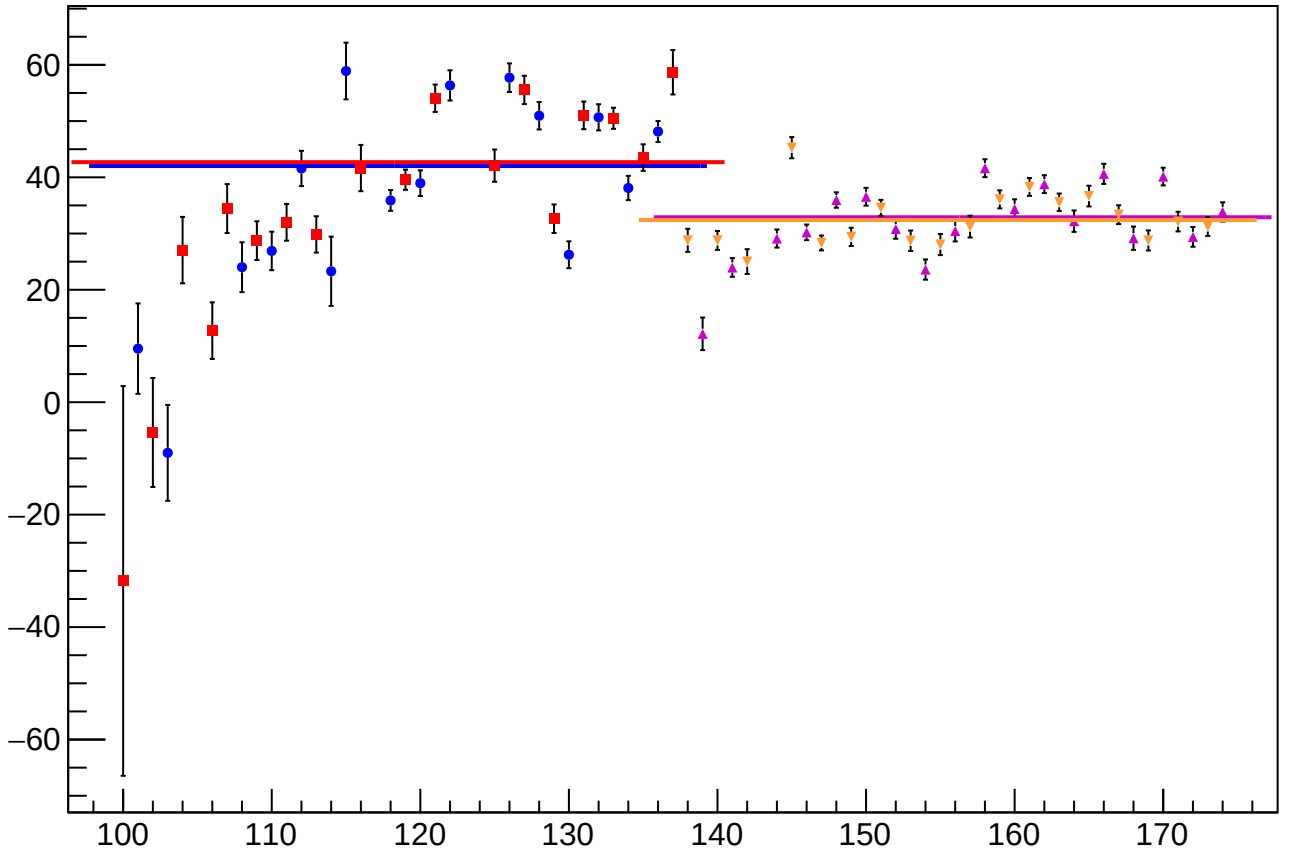
Left: 42.311+/-0.341 χ^2/NDF: 854.0/35

Right: 41.422+/-0.482 χ^2/NDF: 1344.2/33

In: 42.616+/-0.390 χ^2/NDF:934.3/33

Out: 41.390+/-0.397 χ^2/NDF:1261.4/35

All: 42.015+/-0.278 χ^2/NDF: 2200.5/69



Right In: 42.006+/-0.684 χ^2/NDF: 272.7/15

Left Out: 32.400+/-0.401 χ^2/NDF:124.2/17

Right Out: 42.696+/-0.695 χ^2/NDF: 230.3/17

Left In: 32.894+/-0.400 χ^2/NDF:221.4/17

Left: 32.648+/-0.283 χ^2/NDF: 346.3/35

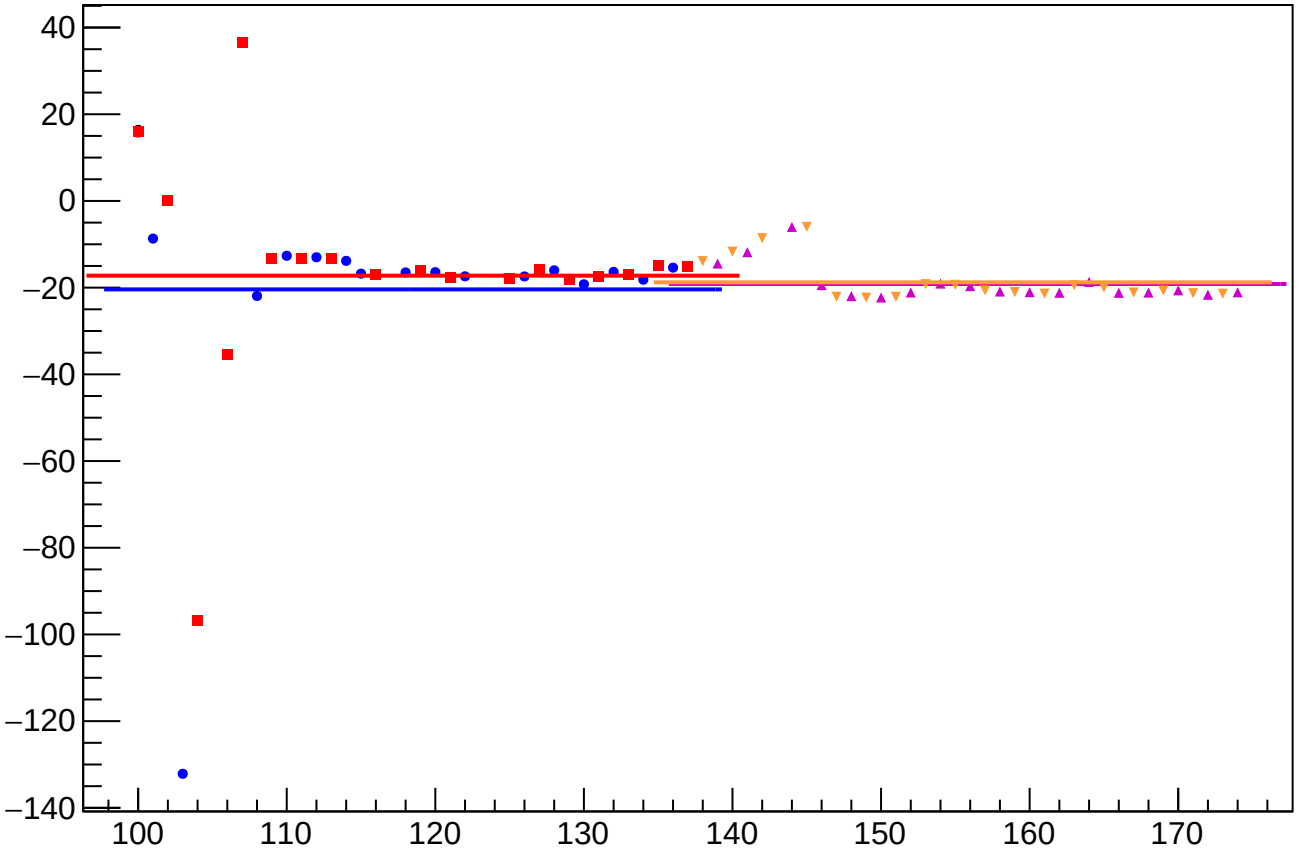
Right: 42.345+/-0.487 χ^2/NDF: 503.5/33

In: 35.214+/-0.345 χ^2/NDF:626.5/33

Out: 34.973+/-0.347 χ^2/NDF:519.2/35

All: 35.094+/-0.245 χ^2/NDF: 1145.9/69

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.405+/-0.042 χ^2/NDF: 245611.9/15

Left Out: -18.770+/-0.018 χ^2/NDF:59964.4/17

Right Out: -17.236+/-0.044 χ^2/NDF: 204657.3/17

Left In: -19.162+/-0.018 χ^2/NDF:47150.0/17

Left: -18.971+/-0.013 χ^2/NDF: 107354.6/35

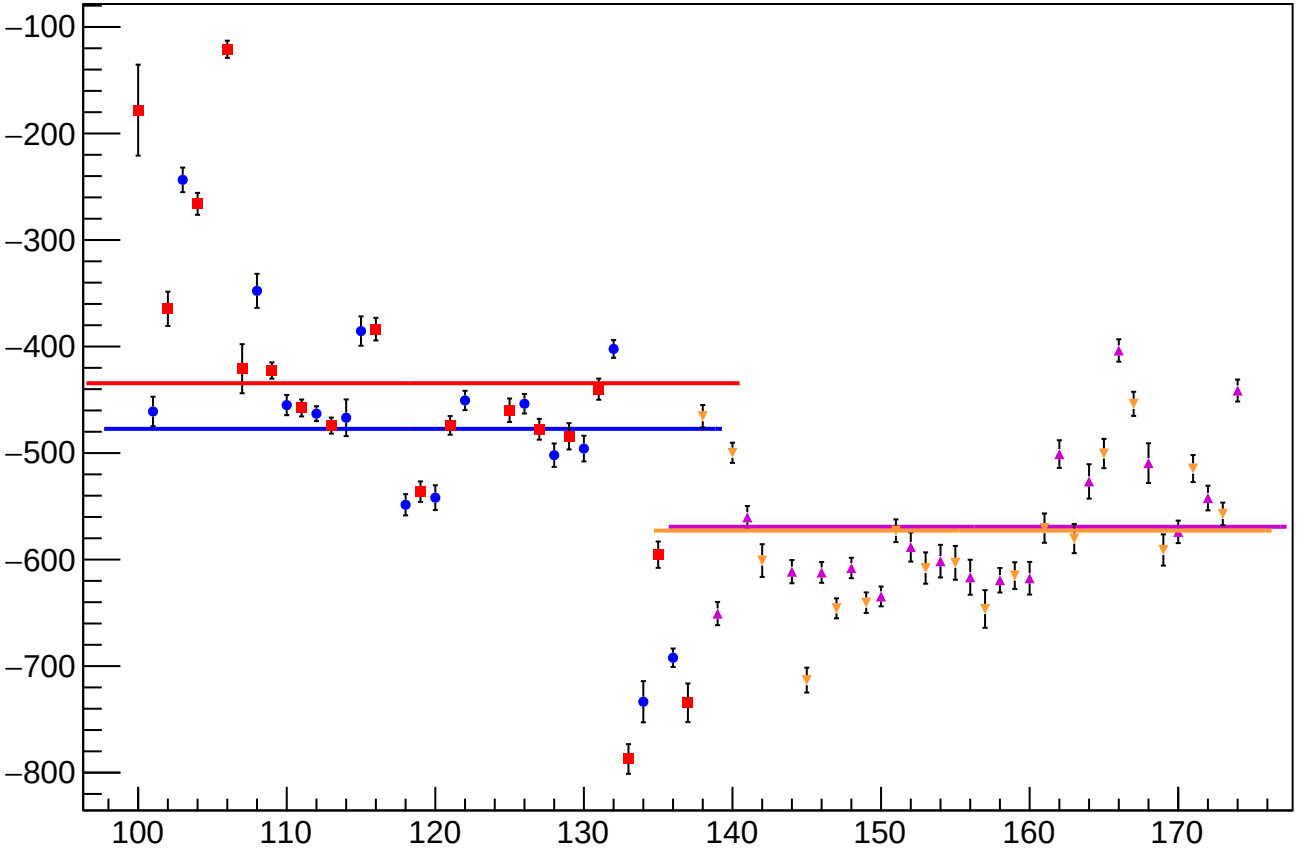
Right: -18.901+/-0.030 χ^2/NDF: 452982.8/33

In: -19.349+/-0.016 χ^2/NDF:293509.0/33

Out: -18.548+/-0.017 χ^2/NDF:265656.2/35

All: -18.961+/-0.012 χ^2/NDF: 560341.9/69

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -477.255+/-2.633 χ^2/NDF: 1510.8/15

Left Out: -572.782+/-2.835 χ^2/NDF:622.3/17

Right Out: -434.437+/-2.464 χ^2/NDF: 3161.9/17

Left In: -569.182+/-2.759 χ^2/NDF:652.2/17

Left: -570.933+/-1.977 χ^2/NDF: 1275.4/35

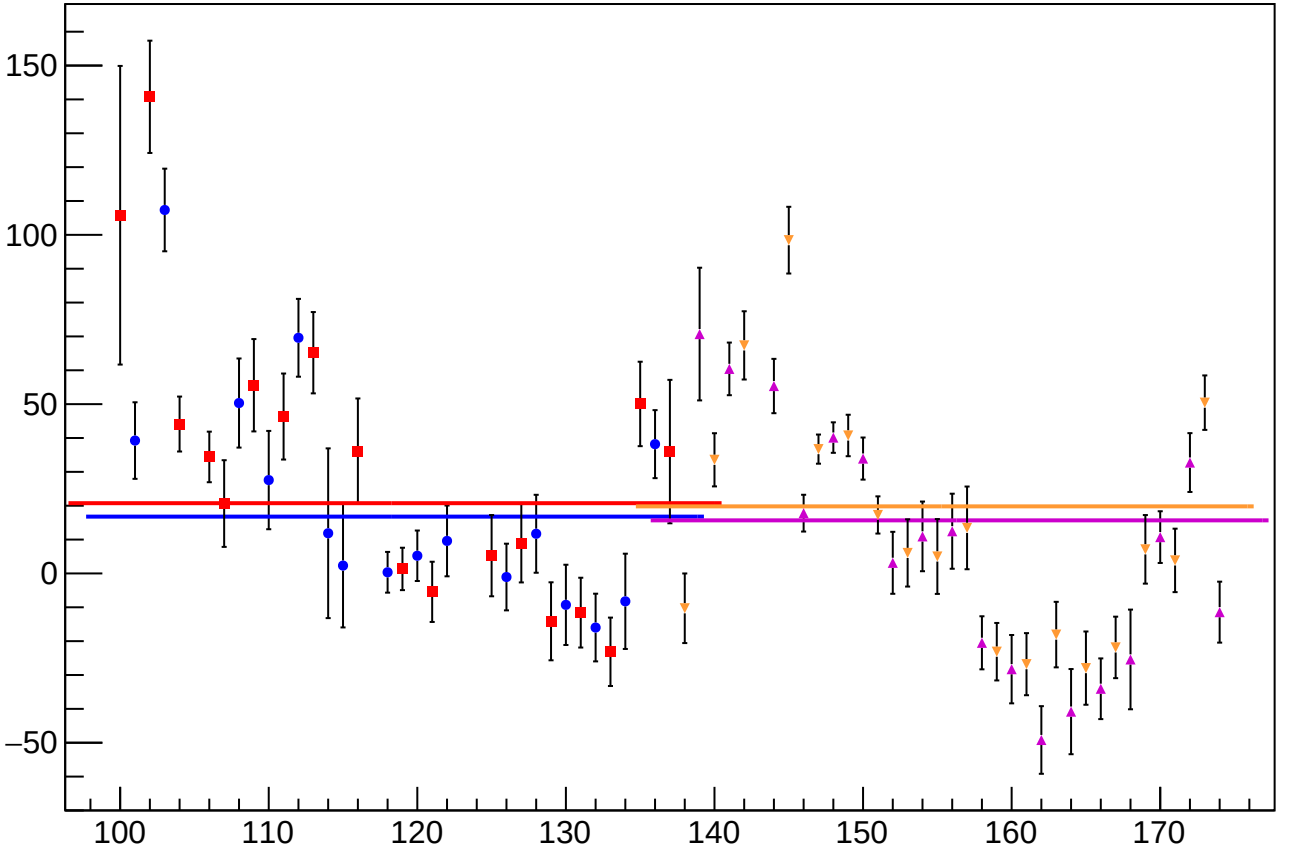
Right: -454.426+/-1.799 χ^2/NDF: 4813.7/33

In: -521.074+/-1.905 χ^2/NDF:2744.1/33

Out: -493.965+/-1.860 χ^2/NDF:5140.9/35

All: -507.195+/-1.331 χ^2/NDF: 7988.6/69

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.780+/-2.654 χ^2/NDF: 125.0/15

Left Out: 19.807+/-1.895 χ^2/NDF:255.1/17

Right Out: 20.749+/-2.548 χ^2/NDF: 157.9/17

Left In: 15.676+/-1.905 χ^2/NDF:260.4/17

Left: 17.752+/-1.344 χ^2/NDF: 517.9/35

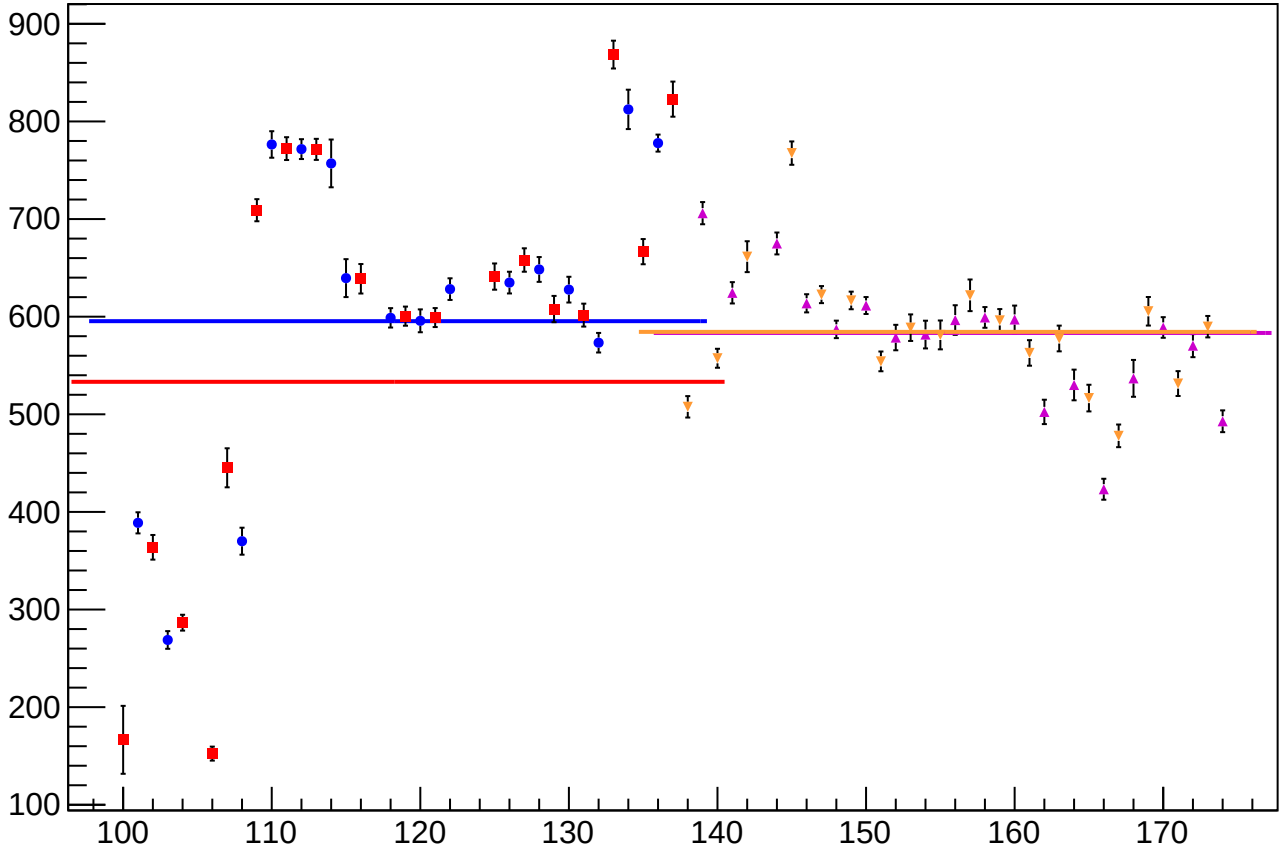
Right: 18.845+/-1.838 χ^2/NDF: 284.1/33

In: 16.052+/-1.548 χ^2/NDF:385.5/33

Out: 20.143+/-1.521 χ^2/NDF:413.1/35

All: 18.133+/-1.085 χ^2/NDF: 802.2/69

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 595.406+/-2.930 χ^2/NDF: 3059.7/15

Left Out: 584.437+/-2.776 χ^2/NDF:493.5/17

Right Out: 533.283+/-2.746 χ^2/NDF: 6502.9/17

Left In: 583.325+/-2.707 χ^2/NDF:572.3/17

Left: 583.867+/-1.938 χ^2/NDF: 1065.9/35

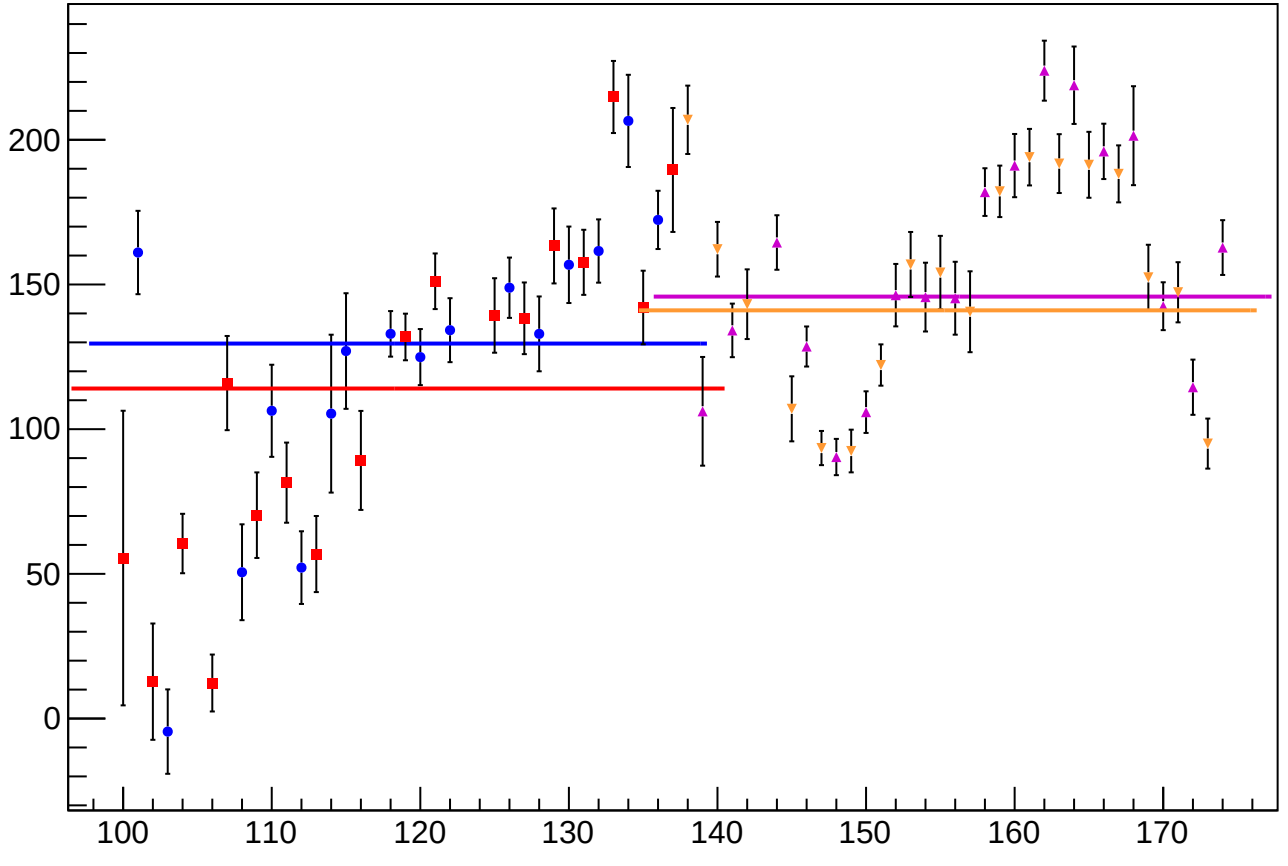
Right: 562.337+/-2.003 χ^2/NDF: 9802.0/33

In: 588.888+/-1.988 χ^2/NDF:3641.2/33

Out: 558.585+/-1.952 χ^2/NDF:7168.0/35

All: 573.461+/-1.393 χ^2/NDF: 10927.5/69

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 129.586+/-3.081 χ^2/NDF: 211.2/15

Left Out: 141.064+/-2.234 χ^2/NDF:311.5/17

Right Out: 114.048+/-2.976 χ^2/NDF: 335.9/17

Left In: 145.814+/-2.222 χ^2/NDF:300.4/17

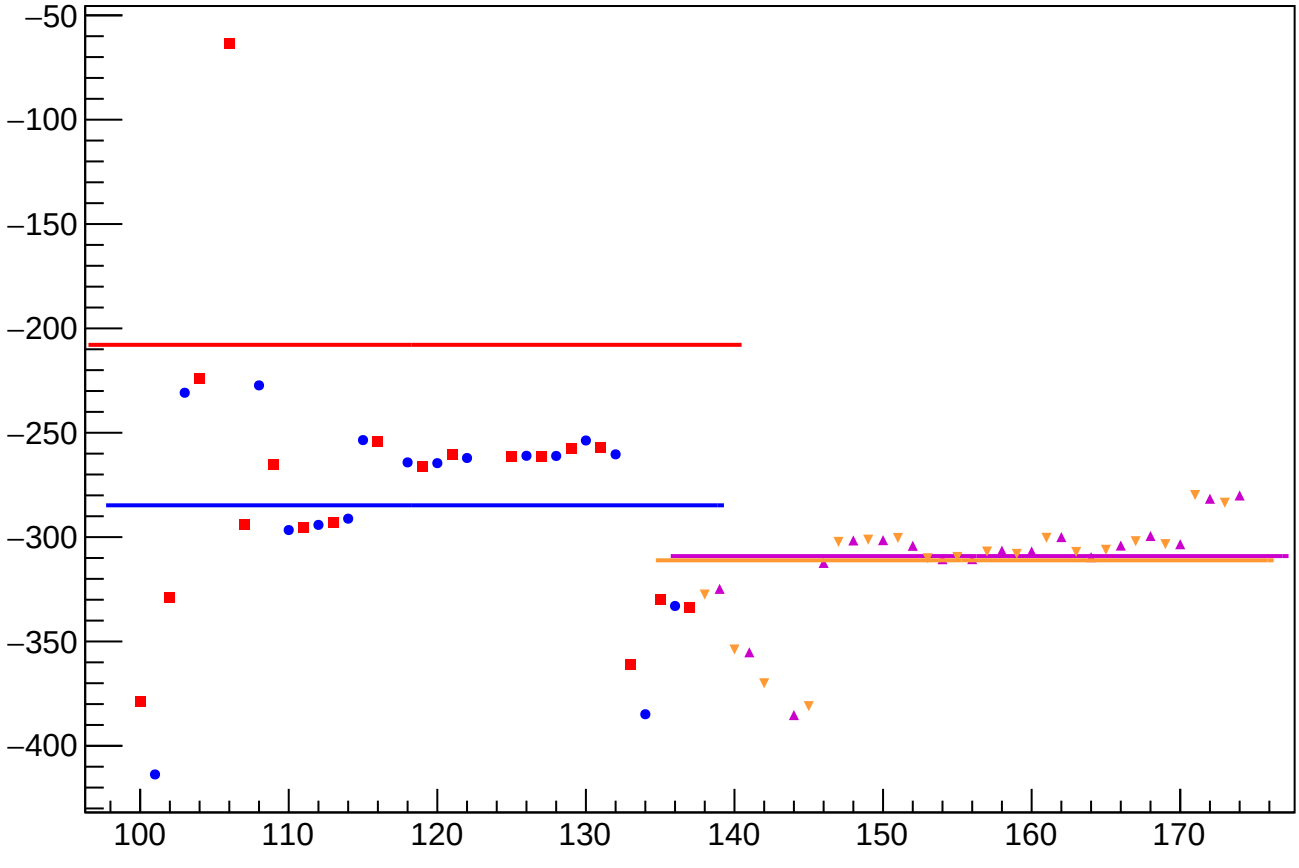
Left: 143.451+/-1.575 χ^2/NDF: 614.1/35

Right: 121.549+/-2.140 χ^2/NDF: 560.3/33

In: 140.260+/-1.802 χ^2/NDF:529.9/33

Out: 131.329+/-1.786 χ^2/NDF:700.1/35

All: 135.756+/-1.269 χ^2/NDF: 1242.4/69



Right In: -284.765+/-0.178 χ^2/NDF: 104370.4/15

Left Out: -311.115+/-0.106 χ^2/NDF:54874.9/17

Right Out: -207.875+/-0.149 χ^2/NDF: 536707.7/17

Left In: -309.090+/-0.102 χ^2/NDF:47310.0/17

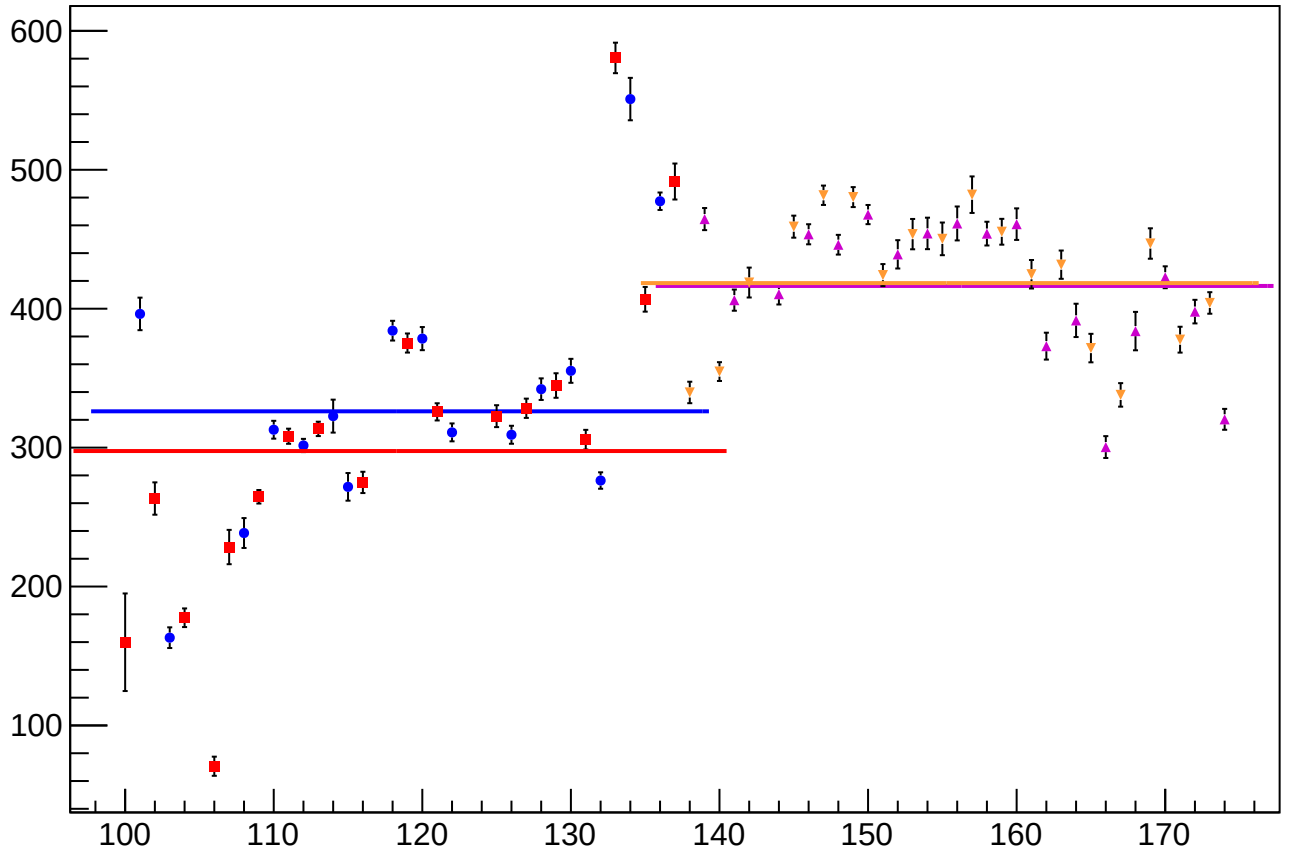
Left: -310.066+/-0.073 χ^2/NDF: 102375.4/35

Right: -239.608+/-0.114 χ^2/NDF: 751214.9/33

In: -303.070+/-0.088 χ^2/NDF:165804.9/33

Out: -276.576+/-0.086 χ^2/NDF:911738.8/35

All: -289.483+/-0.062 χ^2/NDF: 1123683.4/69



Right In: 326.133+/-1.857 χ^2/NDF: 1642.9/15

Left Out: 418.435+/-2.081 χ^2/NDF:575.1/17

Right Out: 297.538+/-1.735 χ^2/NDF: 2775.4/17

Left In: 416.379+/-2.028 χ^2/NDF:618.4/17

Left: 417.380+/-1.452 χ^2/NDF: 1194.0/35

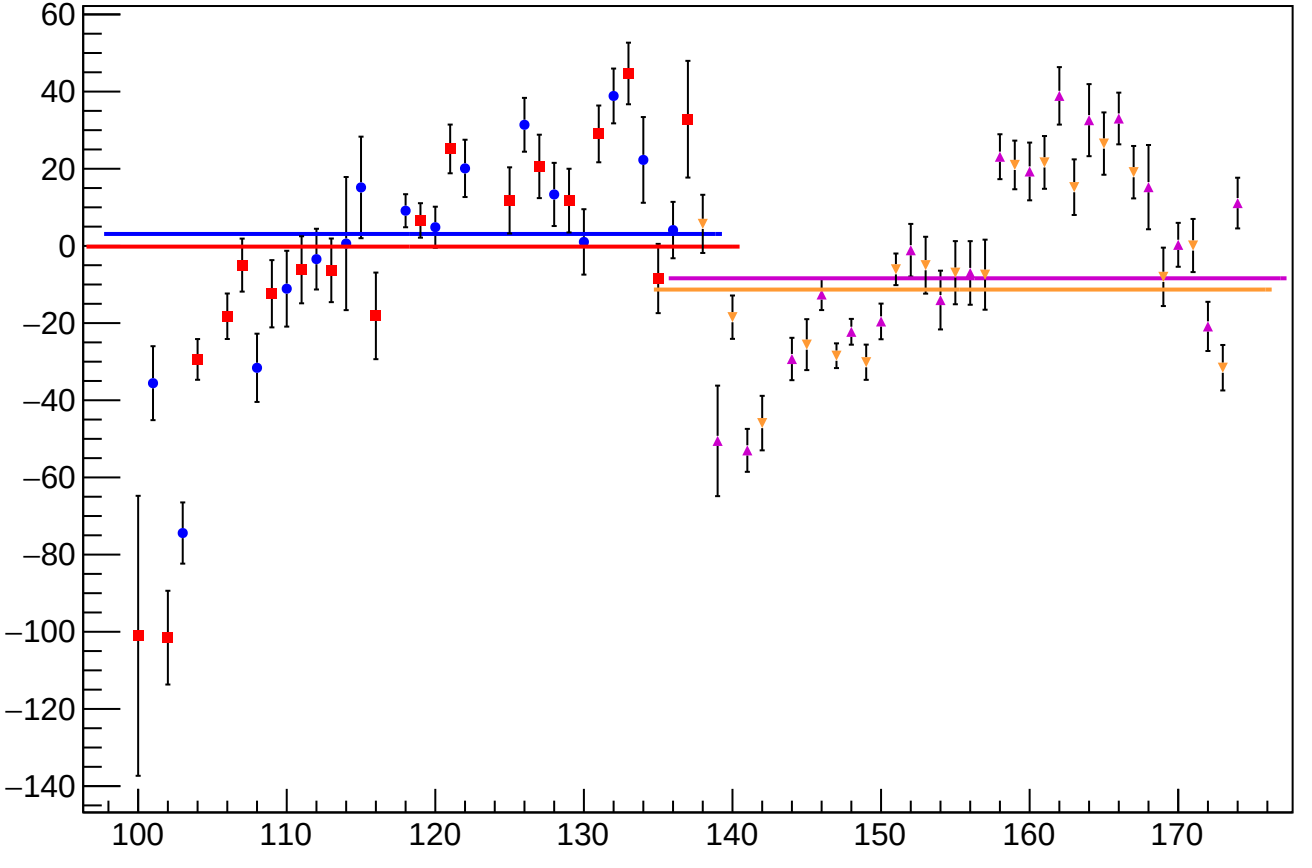
Right: 310.864+/-1.268 χ^2/NDF: 4545.0/33

In: 367.297+/-1.369 χ^2/NDF:3338.9/33

Out: 347.109+/-1.332 χ^2/NDF:5342.3/35

All: 356.927+/-0.955 χ^2/NDF: 8792.8/69

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.101+/-1.892 χ^2/NDF: 184.5/15

Left Out: -11.309+/-1.396 χ^2/NDF:203.7/17

Right Out: -0.180+/-1.791 χ^2/NDF: 205.2/17

Left In: -8.390+/-1.404 χ^2/NDF:273.6/17

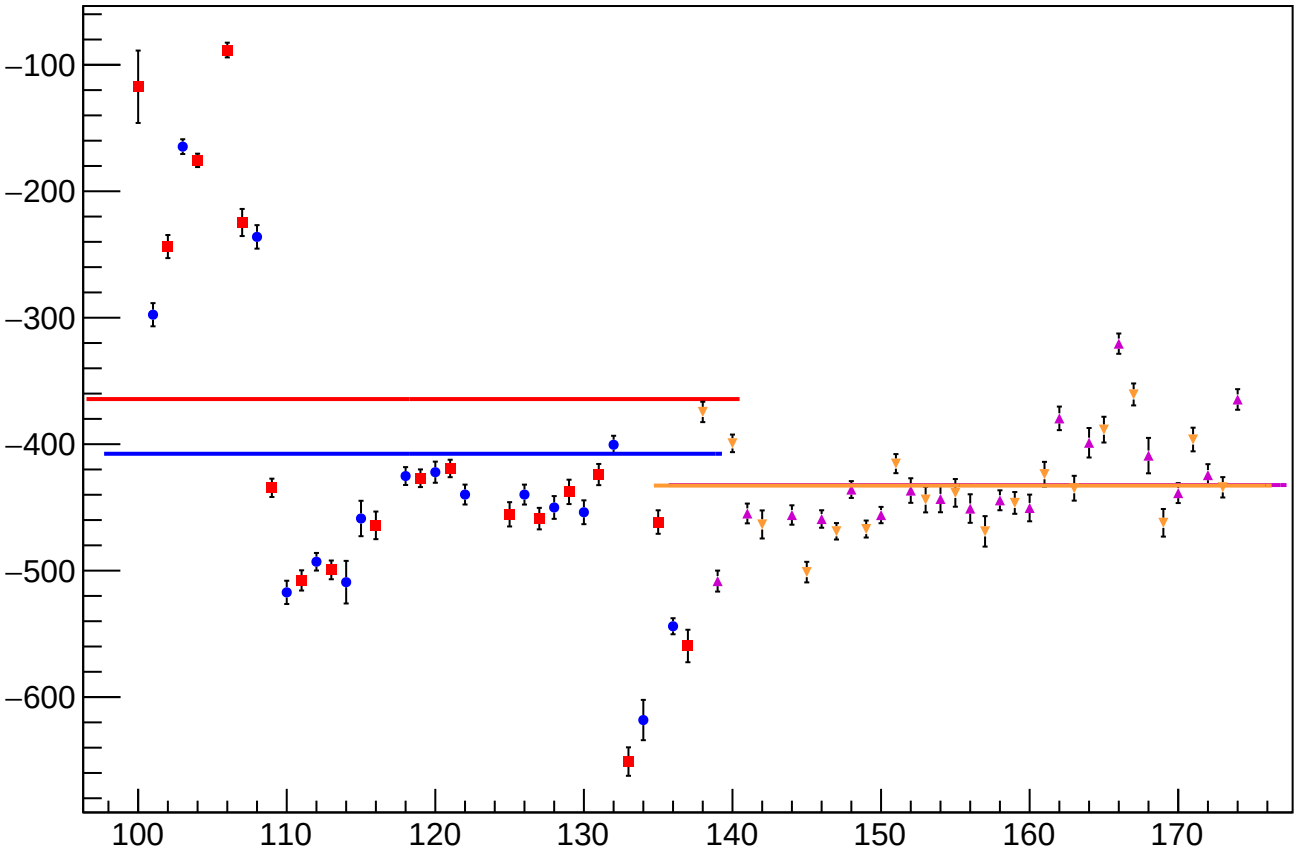
Left: -9.857+/-0.990 χ^2/NDF: 479.5/35

Right: 1.370+/-1.301 χ^2/NDF: 391.3/33

In: -4.310+/-1.127 χ^2/NDF:481.9/33

Out: -7.103+/-1.101 χ^2/NDF:432.9/35

All: -5.739+/-0.788 χ^2/NDF: 918.0/69



Right In: -407.575+/-2.074 χ^2/NDF: 3280.5/15

Left Out: -432.723+/-2.040 χ^2/NDF:340.3/17

Right Out: -364.323+/-1.942 χ^2/NDF: 6220.4/17

Left In: -432.324+/-1.991 χ^2/NDF:447.9/17

Left: -432.518+/-1.425 χ^2/NDF: 788.2/35

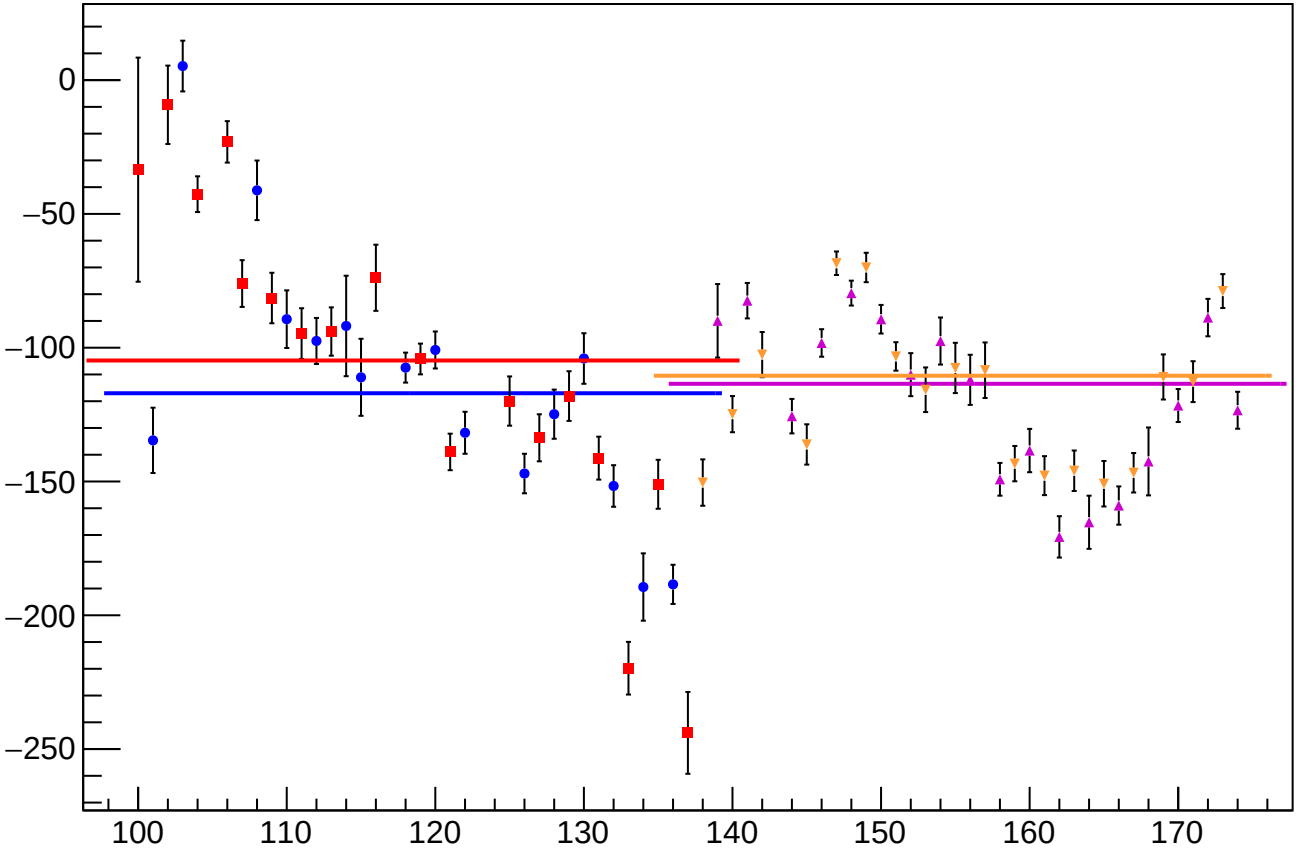
Right: -384.535+/-1.418 χ^2/NDF: 9732.7/33

In: -420.451+/-1.436 χ^2/NDF:3802.5/33

Out: -396.846+/-1.407 χ^2/NDF:7150.3/35

All: -408.403+/-1.005 χ^2/NDF: 11090.7/69

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -117.021+/-2.194 χ^2/NDF: 407.8/15

Left Out: -110.475+/-1.645 χ^2/NDF:331.0/17

Right Out: -104.780+/-2.091 χ^2/NDF: 575.1/17

Left In: -113.490+/-1.637 χ^2/NDF:301.6/17

Left: -111.990+/-1.160 χ^2/NDF: 634.3/35

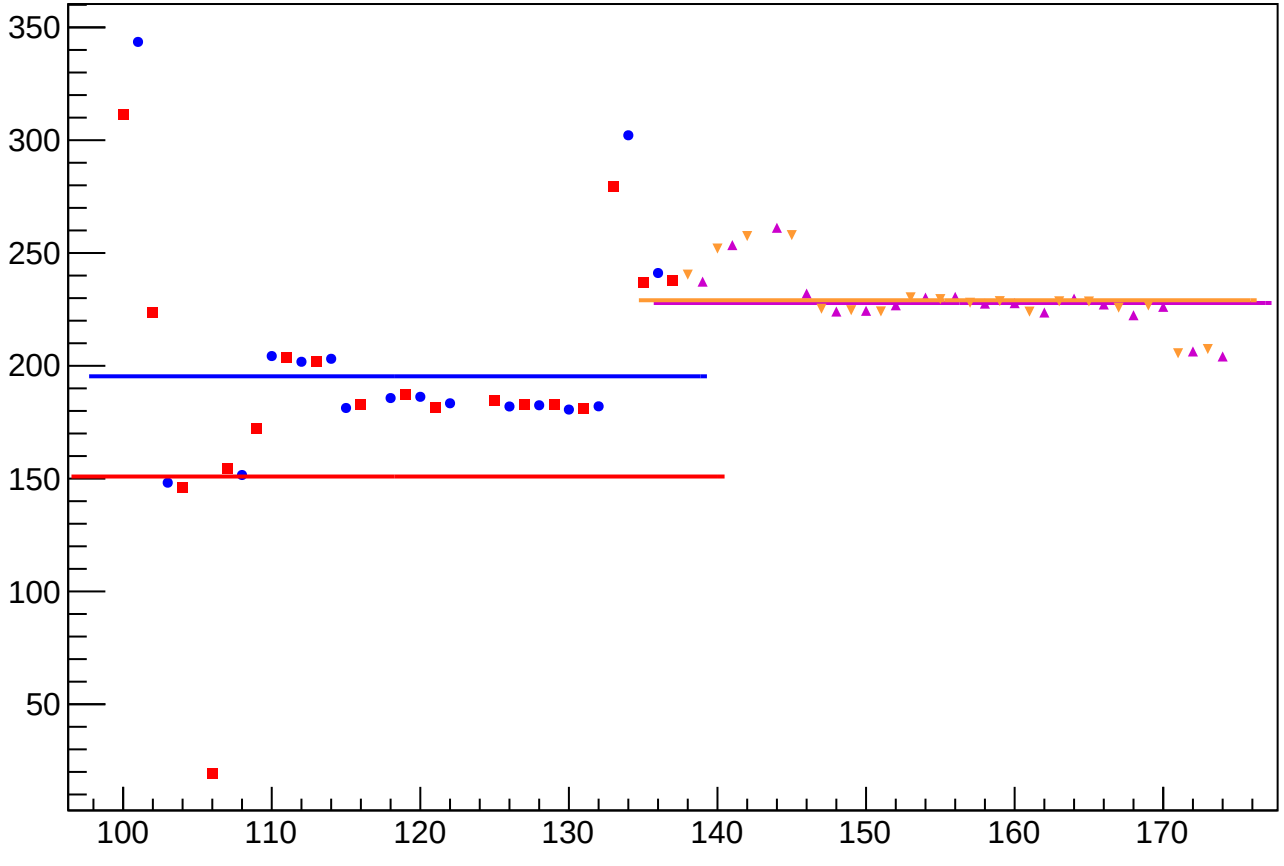
Right: -110.605+/-1.514 χ^2/NDF: 999.2/33

In: -114.752+/-1.312 χ^2/NDF:711.1/33

Out: -108.297+/-1.293 χ^2/NDF:910.7/35

All: -111.477+/-0.921 χ^2/NDF: 1634.0/69

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 195.351+/-0.125 χ^2/NDF: 176975.5/15

Left Out: 229.058+/-0.078 χ^2/NDF:31045.2/17

Right Out: 150.932+/-0.110 χ^2/NDF: 499233.7/17

Left In: 227.850+/-0.075 χ^2/NDF:30000.6/17

Left: 228.433+/-0.054 χ^2/NDF: 61171.1/35

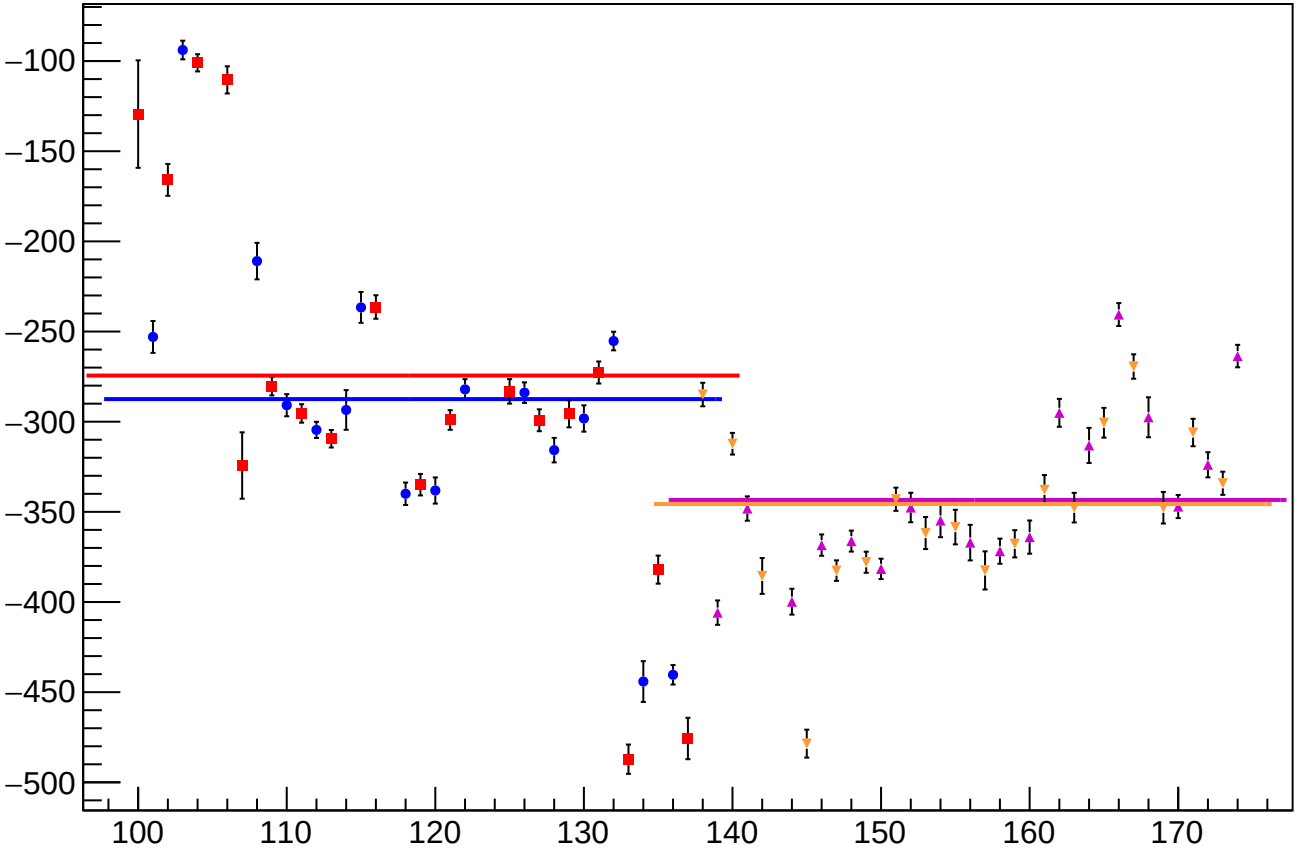
Right: 170.416+/-0.083 χ^2/NDF: 747517.5/33

In: 219.205+/-0.064 χ^2/NDF:256886.5/33

Out: 203.119+/-0.063 χ^2/NDF:866204.0/35

All: 211.062+/-0.045 χ^2/NDF: 1154796.2/69

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: -345.669+/-1.733 χ^2/NDF:715.2/17

Right Out: -274.417+/-1.551 χ^2/NDF: 3413.4/17

Left In: -343.396+/-1.684 χ^2/NDF:756.6/17

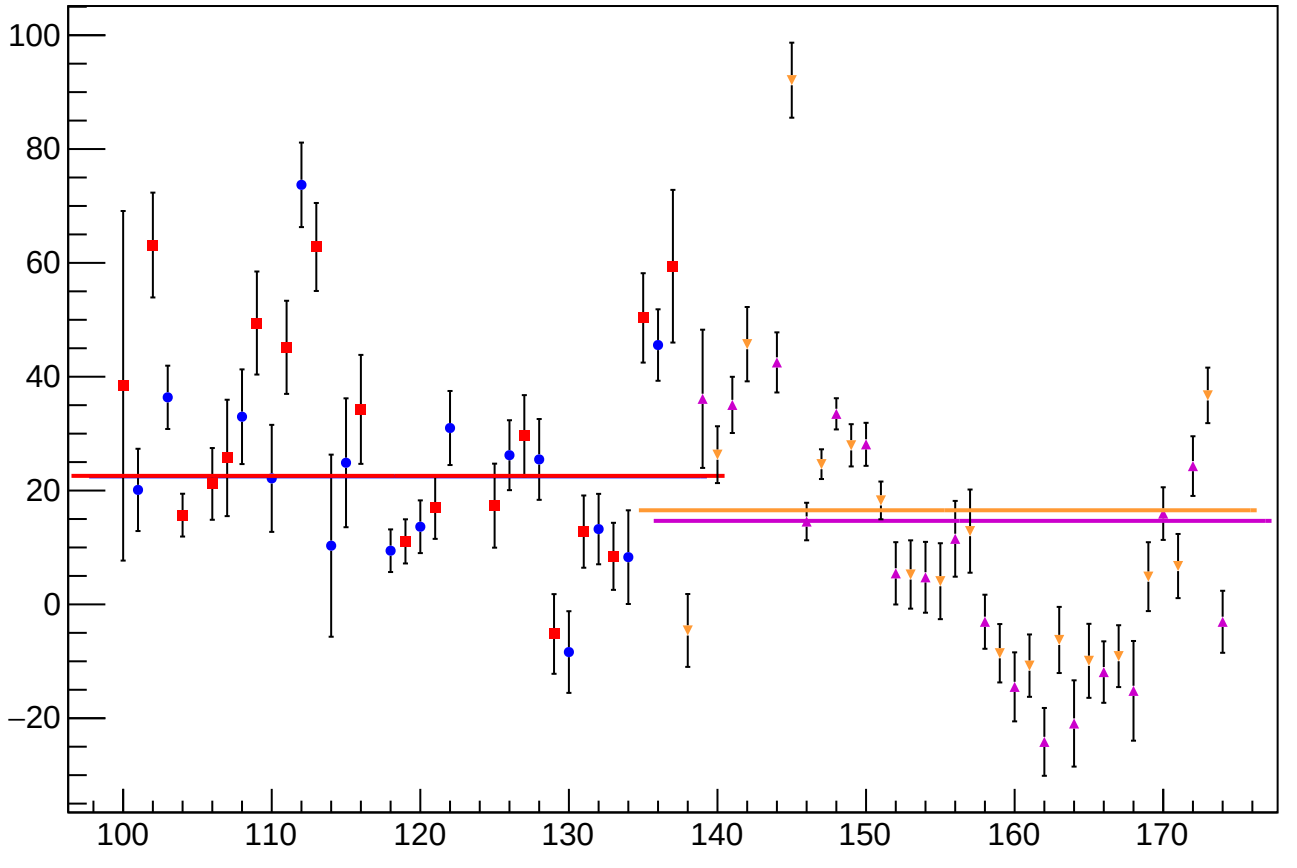
Left: -344.500+/-1.208 χ^2/NDF: 1472.7/35

Right: -280.699+/-1.118 χ^2/NDF: 6144.0/33

In: -314.205+/-1.164 χ^2/NDF:4028.9/33

Out: -306.118+/-1.156 χ^2/NDF:5067.1/35

All: -310.133+/-0.820 χ^2/NDF: 9120.3/69



Right In: 22.492+/-1.621 χ^2/NDF: 111.4/15

Left Out: 16.536+/-1.155 χ^2/NDF:319.5/17

Right Out: 22.580+/-1.570 χ^2/NDF: 123.3/17

Left In: 14.675+/-1.161 χ^2/NDF:264.7/17

Left: 15.610+/-0.819 χ^2/NDF: 585.5/35

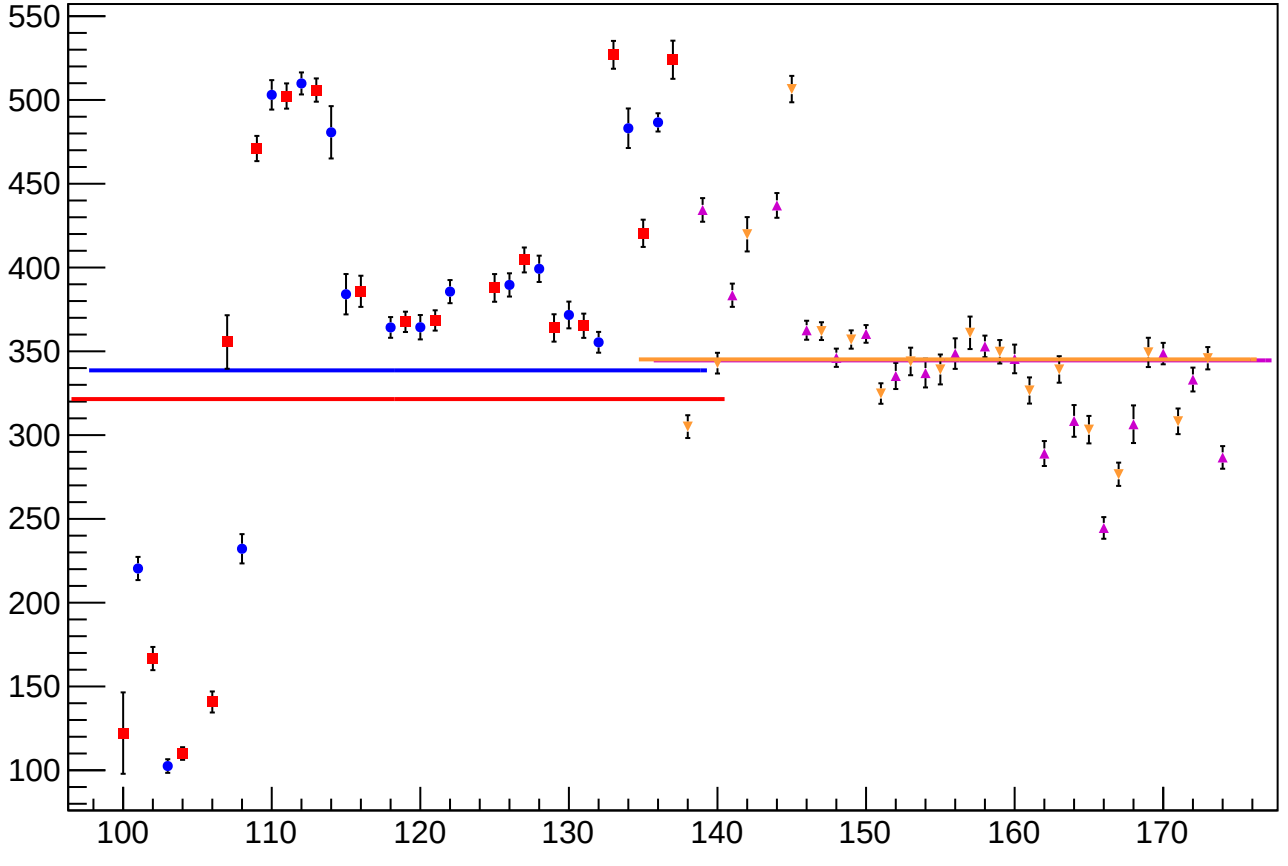
Right: 22.537+/-1.128 χ^2/NDF: 234.8/33

In: 17.326+/-0.944 χ^2/NDF:391.5/33

Out: 18.659+/-0.930 χ^2/NDF:452.5/35

All: 18.002+/-0.663 χ^2/NDF: 845.0/69

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 338.633+/-1.748 χ^2/NDF: 6042.6/15

Left Out: 345.183+/-1.694 χ^2/NDF:690.2/17

Right Out: 321.500+/-1.694 χ^2/NDF: 7720.8/17

Left In: 344.593+/-1.650 χ^2/NDF:771.1/17

Left: 344.880+/-1.182 χ^2/NDF: 1461.3/35

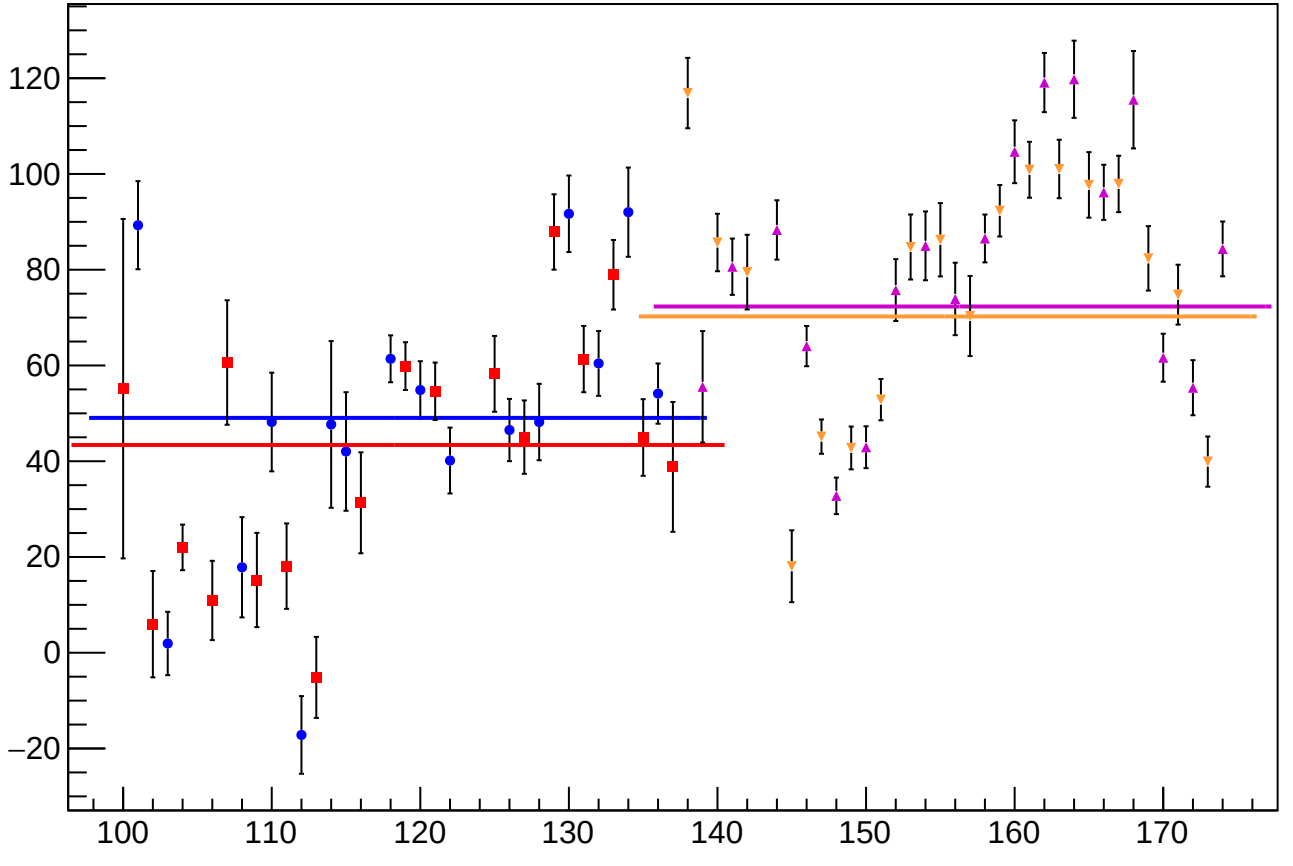
Right: 329.797+/-1.217 χ^2/NDF: 13813.0/33

In: 341.784+/-1.200 χ^2/NDF:6819.8/33

Out: 333.341+/-1.198 χ^2/NDF:8508.7/35

All: 337.555+/-0.848 χ^2/NDF: 15353.3/69

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 49.053+/-1.882 χ^2/NDF: 207.9/15

Left Out: 70.234+/-1.361 χ^2/NDF:353.9/17

Right Out: 43.392+/-1.834 χ^2/NDF: 180.0/17

Left In: 72.318+/-1.353 χ^2/NDF:347.8/17

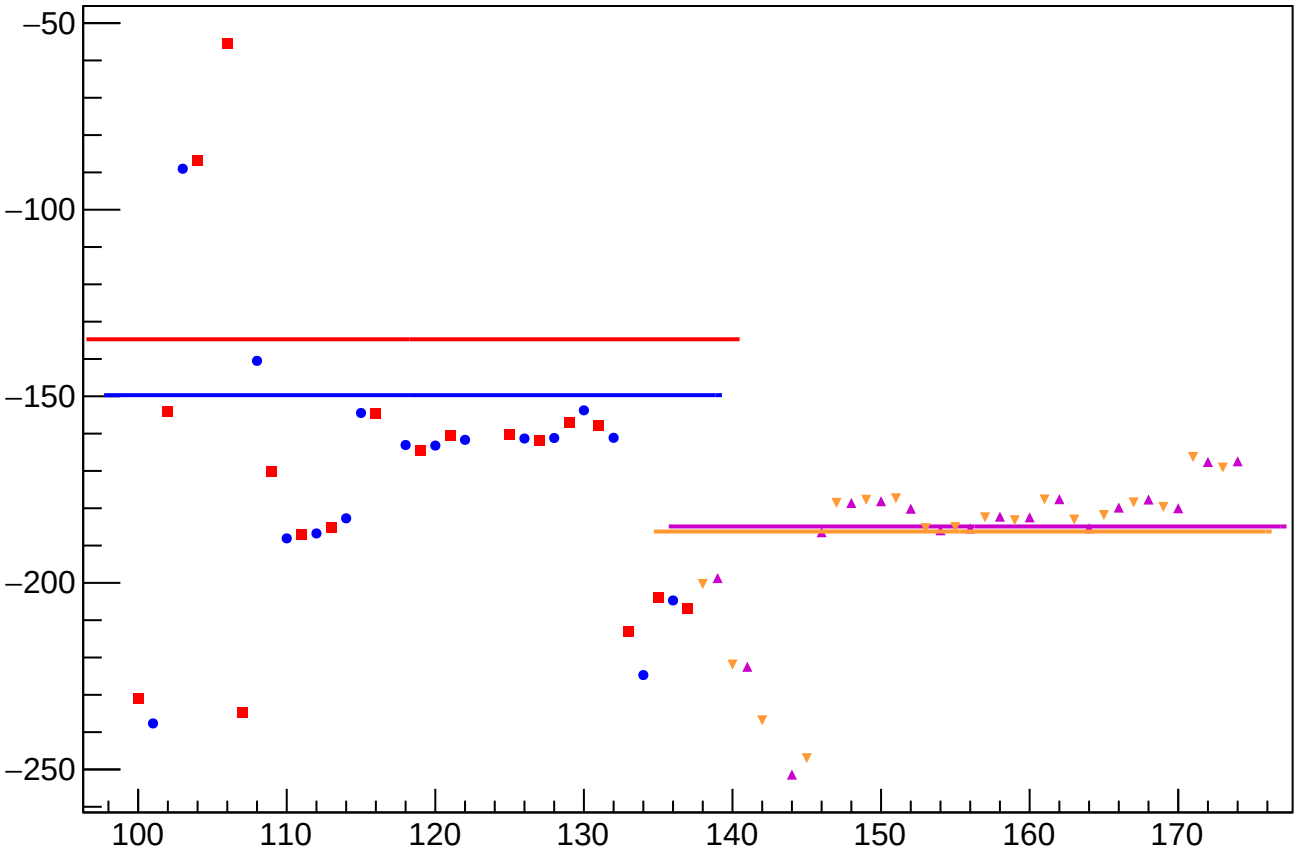
Left: 71.281+/-0.960 χ^2/NDF: 702.9/35

Right: 46.149+/-1.314 χ^2/NDF: 392.6/33

In: 64.390+/-1.099 χ^2/NDF:656.4/33

Out: 60.704+/-1.093 χ^2/NDF:672.1/35

All: 62.537+/-0.775 χ^2/NDF: 1334.2/69



Right In: -149.698+/-0.101 χ^2/NDF: 256472.2/15

Left Out: -186.238+/-0.064 χ^2/NDF:89902.0/17

Right Out: -134.715+/-0.097 χ^2/NDF: 312639.8/17

Left In: -184.881+/-0.062 χ^2/NDF:75475.5/17

Left: -185.535+/-0.045 χ^2/NDF: 165608.8/35

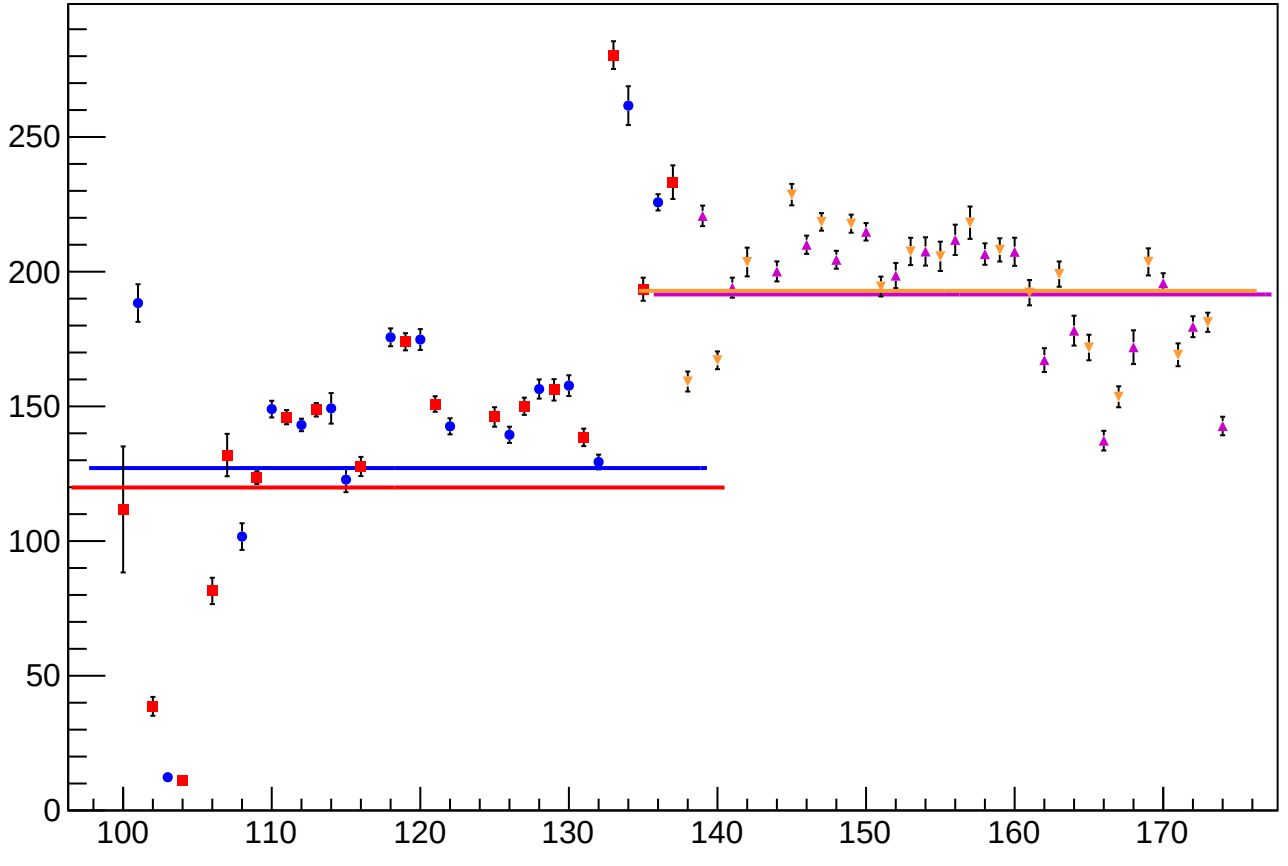
Right: -141.917+/-0.070 χ^2/NDF: 580582.0/33

In: -175.238+/-0.053 χ^2/NDF:420345.6/33

Out: -170.527+/-0.054 χ^2/NDF:598664.3/35

All: -172.917+/-0.038 χ^2/NDF: 1022933.6/69

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 127.100+/-0.811 χ^2/NDF: 6163.2/15

Left Out: 192.880+/-0.977 χ^2/NDF:559.1/17

Right Out: 119.886+/-0.774 χ^2/NDF: 6649.6/17

Left In: 191.549+/-0.949 χ^2/NDF:688.8/17

Left: 192.195+/-0.681 χ^2/NDF: 1248.8/35

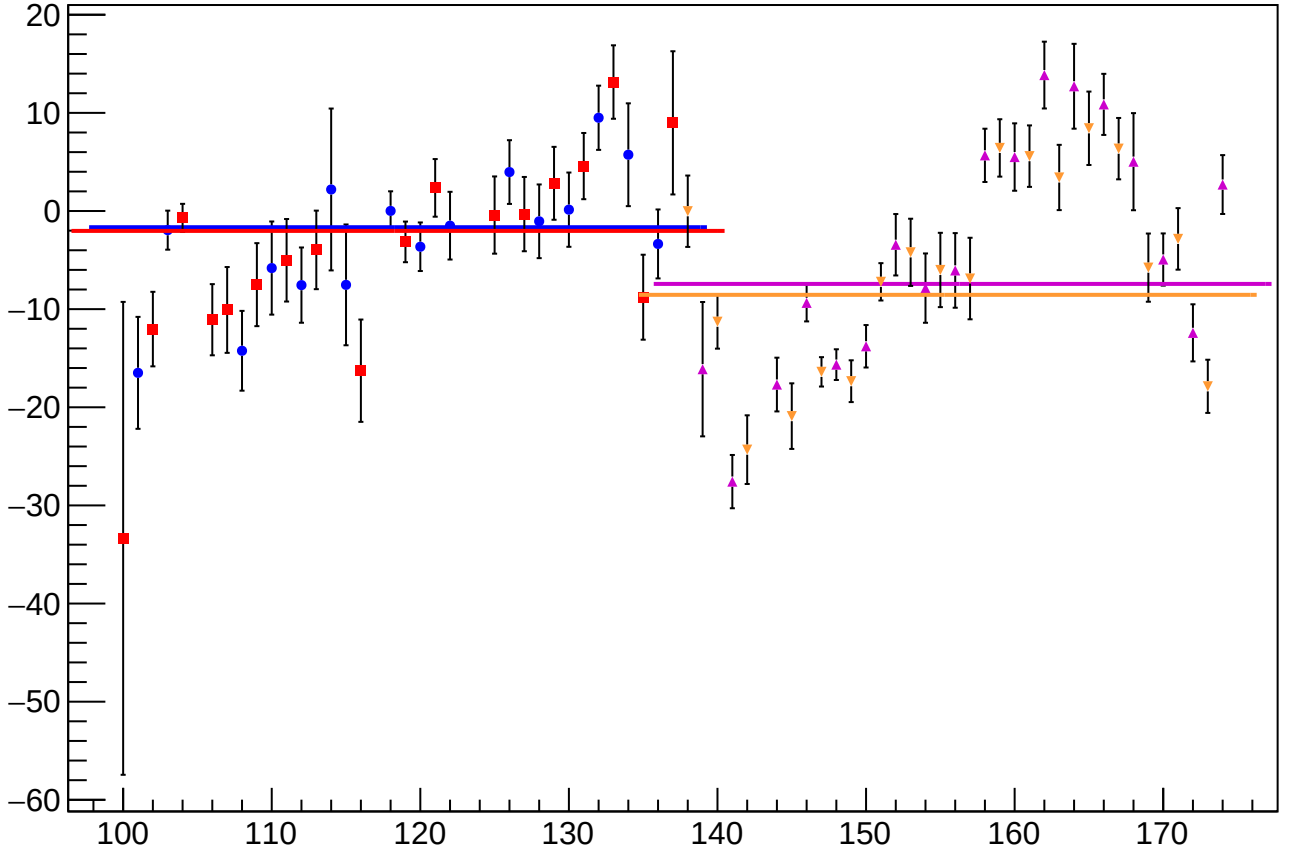
Right: 123.326+/-0.560 χ^2/NDF: 12854.2/33

In: 154.287+/-0.617 χ^2/NDF:9517.2/33

Out: 148.057+/-0.607 χ^2/NDF:10639.2/35

All: 151.122+/-0.432 χ^2/NDF: 20208.3/69

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.651+/-0.833 χ^2/NDF: 39.1/15

Left Out: -8.542+/-0.654 χ^2/NDF:206.3/17

Right Out: -2.027+/-0.770 χ^2/NDF: 58.6/17

Left In: -7.429+/-0.657 χ^2/NDF:264.1/17

Left: -7.988+/-0.463 χ^2/NDF: 471.9/35

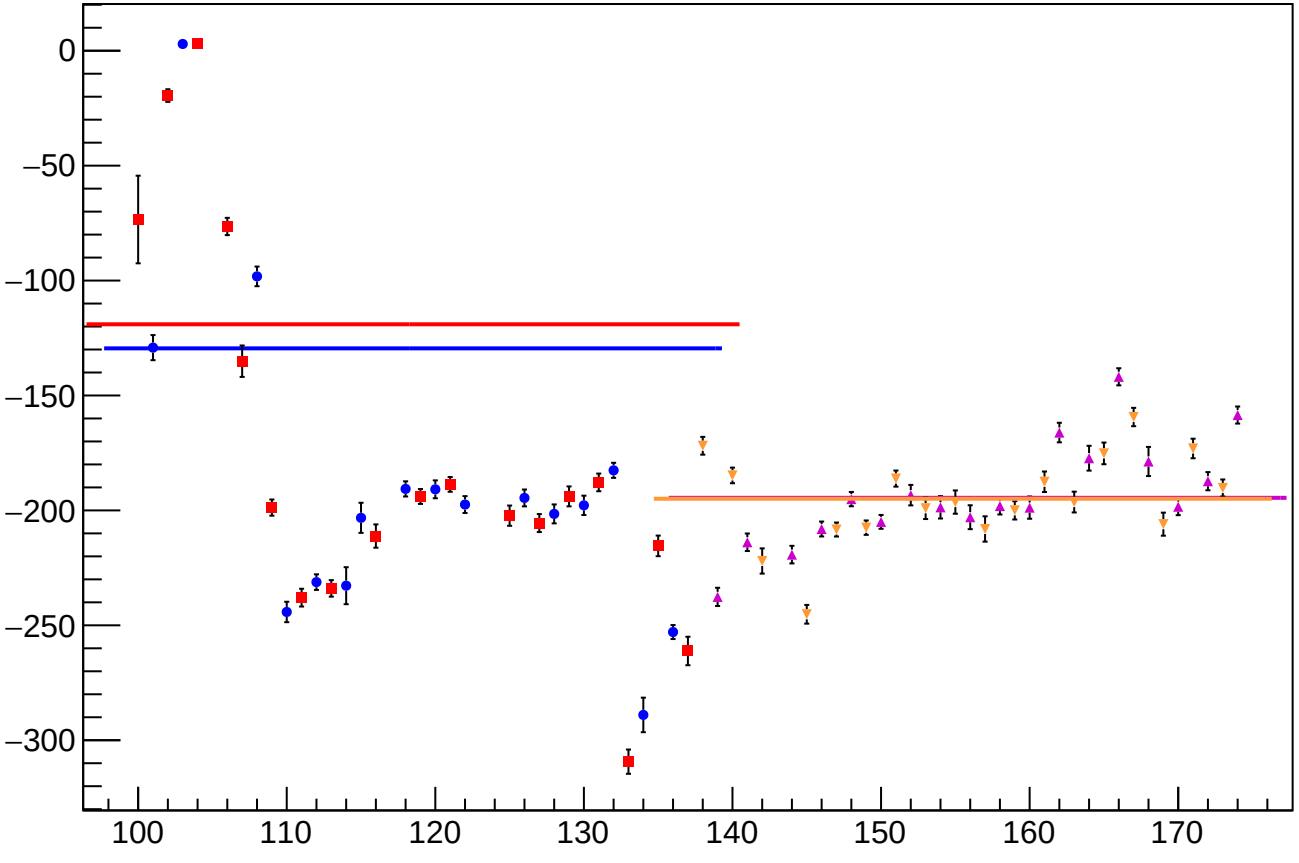
Right: -1.854+/-0.565 χ^2/NDF: 97.8/33

In: -5.214+/-0.516 χ^2/NDF:332.9/33

Out: -5.814+/-0.498 χ^2/NDF:306.5/35

All: -5.524+/-0.358 χ^2/NDF: 640.0/69

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -129.497+/-0.846 χ^2/NDF: 14687.9/15

Left Out: -194.925+/-0.956 χ^2/NDF:403.4/17

Right Out: -119.022+/-0.813 χ^2/NDF: 16177.3/17

Left In: -194.523+/-0.932 χ^2/NDF:579.4/17

Left: -194.718+/-0.667 χ^2/NDF: 982.9/35

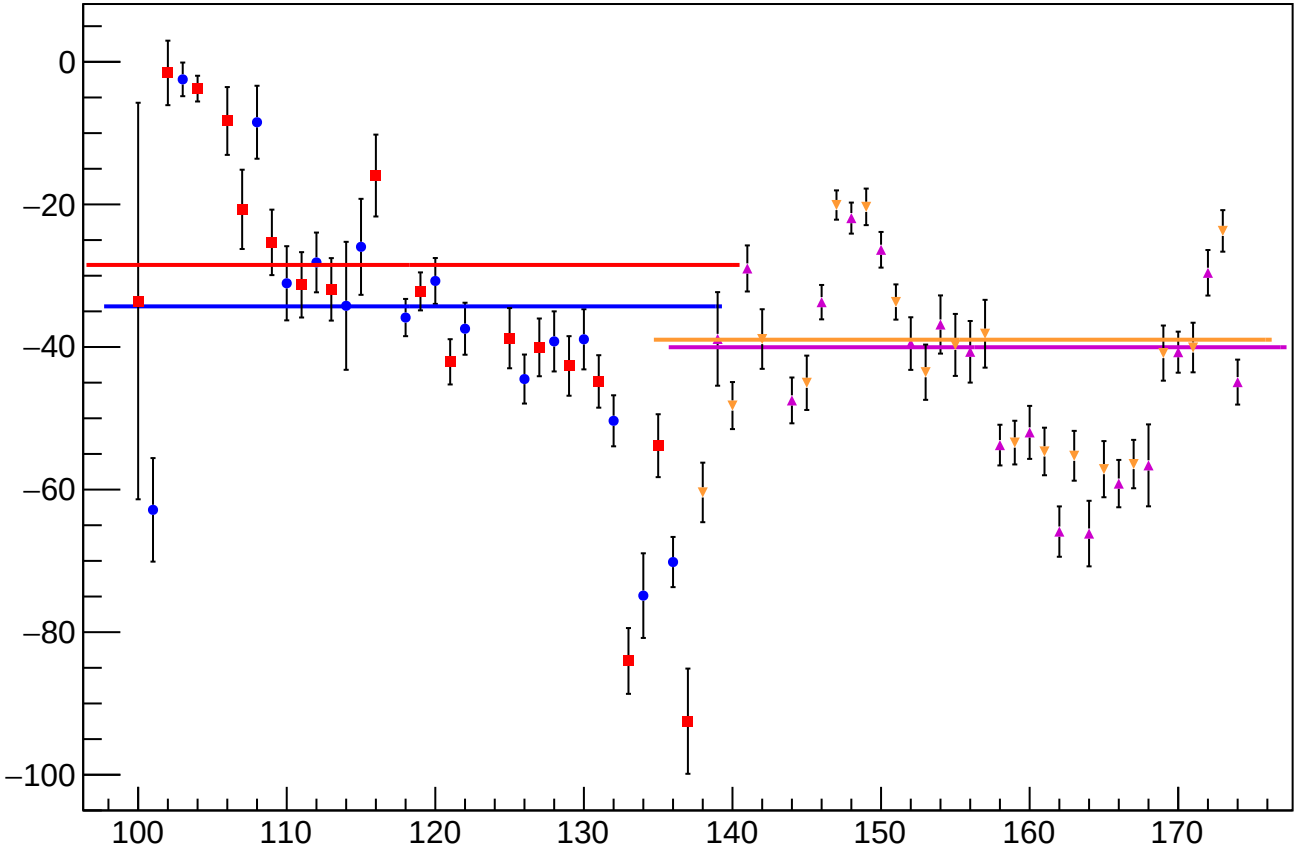
Right: -124.047+/-0.586 χ^2/NDF: 30944.8/33

In: -158.896+/-0.626 χ^2/NDF:17935.8/33

Out: -150.856+/-0.619 χ^2/NDF:20238.2/35

All: -154.830+/-0.440 χ^2/NDF: 38257.3/69

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.301+/-0.968 χ^2/NDF: 411.3/15

Left Out: -38.975+/-0.769 χ^2/NDF:321.6/17

Right Out: -28.488+/-0.907 χ^2/NDF: 568.0/17

Left In: -40.032+/-0.765 χ^2/NDF:297.7/17

Left: -39.506+/-0.543 χ^2/NDF: 620.2/35

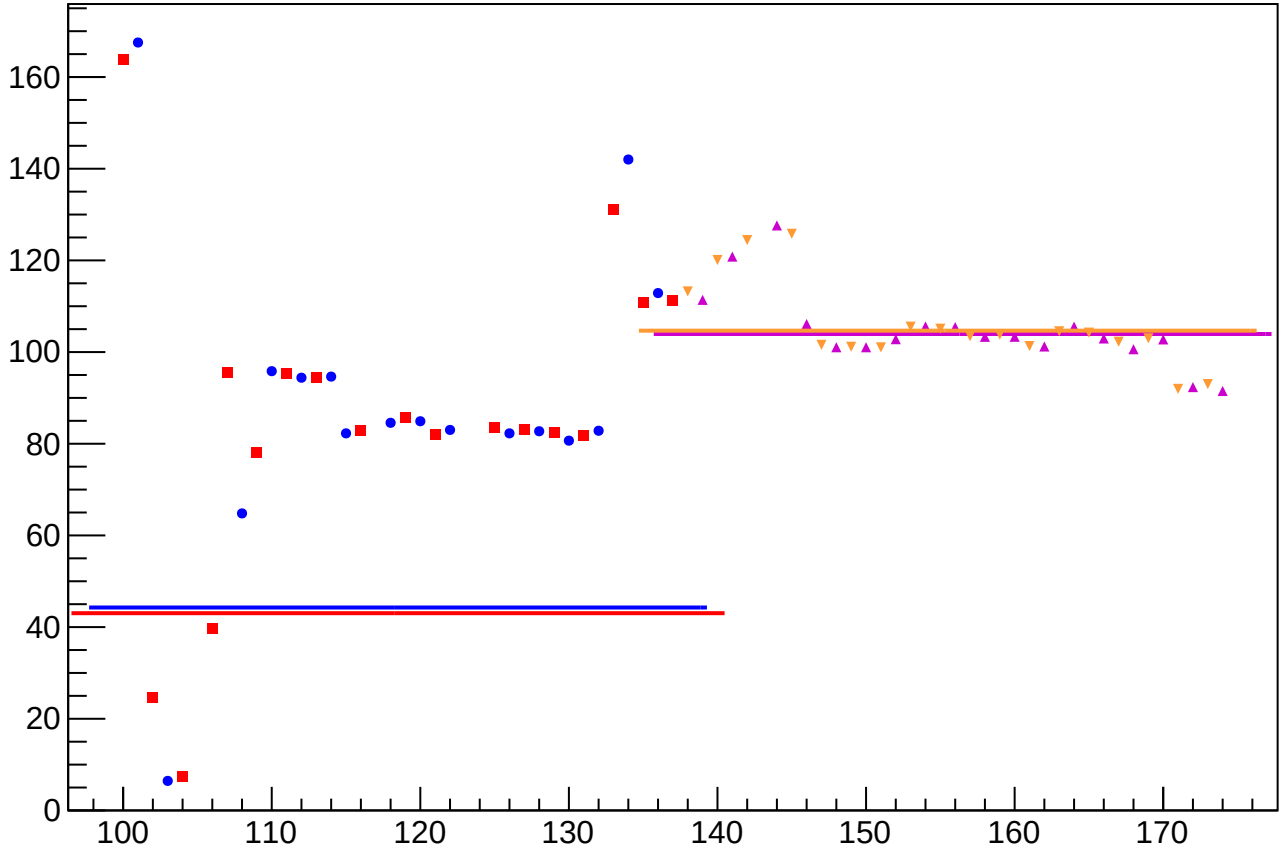
Right: -31.206+/-0.662 χ^2/NDF: 998.5/33

In: -37.827+/-0.600 χ^2/NDF:730.5/33

Out: -34.585+/-0.587 χ^2/NDF:967.4/35

All: -36.169+/-0.420 χ^2/NDF: 1712.8/69

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 44.274+/-0.045 χ^2/NDF: 1085082.2/15

Left Out: 104.668+/-0.036 χ^2/NDF:56946.8/17

Right Out: 43.035+/-0.045 χ^2/NDF: 805108.5/17

Left In: 103.943+/-0.035 χ^2/NDF:52249.4/17

Left: 104.293+/-0.025 χ^2/NDF: 109403.2/35

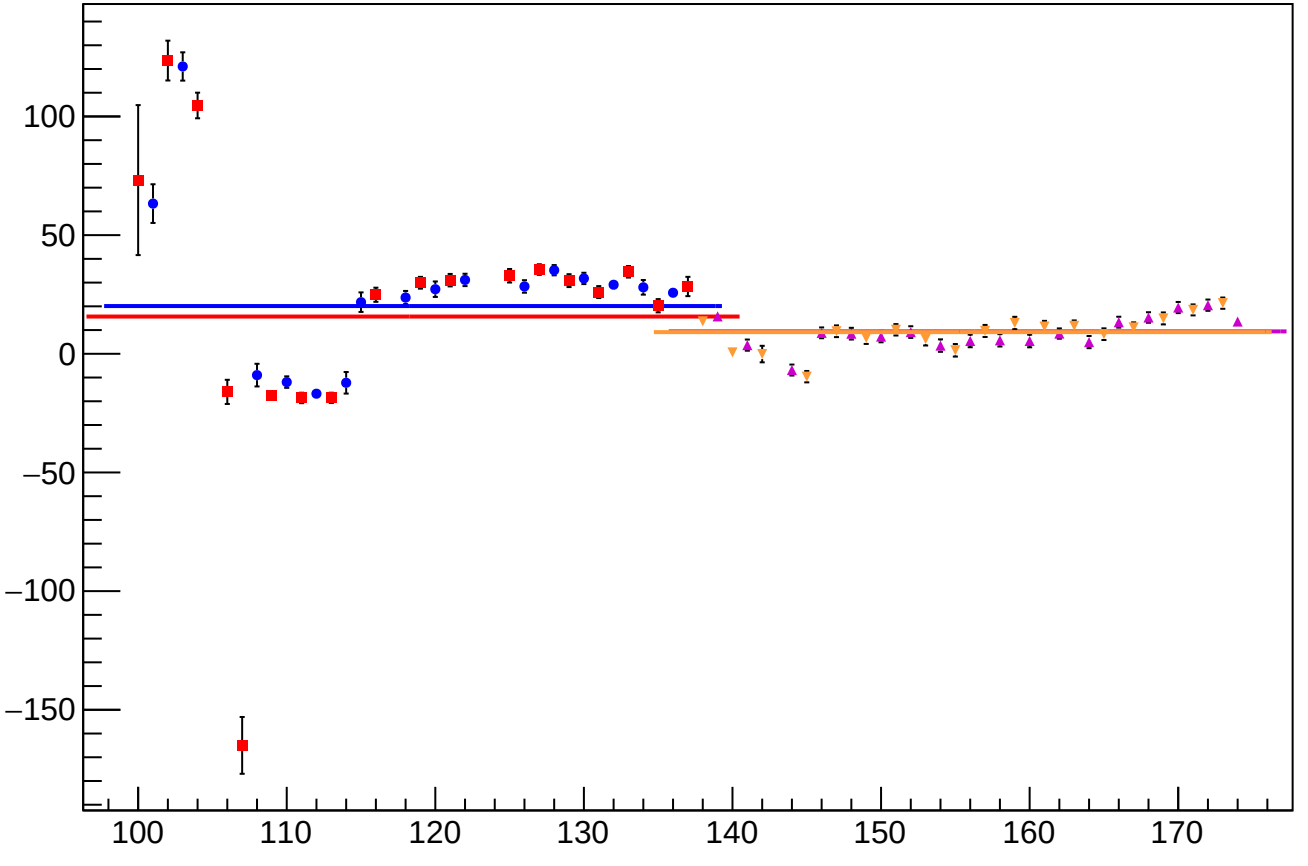
Right: 43.656+/-0.032 χ^2/NDF: 1890570.2/33

In: 81.408+/-0.028 χ^2/NDF:2234374.2/33

Out: 80.408+/-0.028 χ^2/NDF:1997740.0/35

All: 80.919+/-0.020 χ^2/NDF: 4232755.0/69

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 20.117+/-0.687 χ^2/NDF: 1048.1/15

Left Out: 9.132+/-0.572 χ^2/NDF:154.2/17

Right Out: 15.700+/-0.682 χ^2/NDF: 1773.8/17

Left In: 9.442+/-0.556 χ^2/NDF:135.7/17

Left: 9.292+/-0.399 χ^2/NDF: 290.1/35

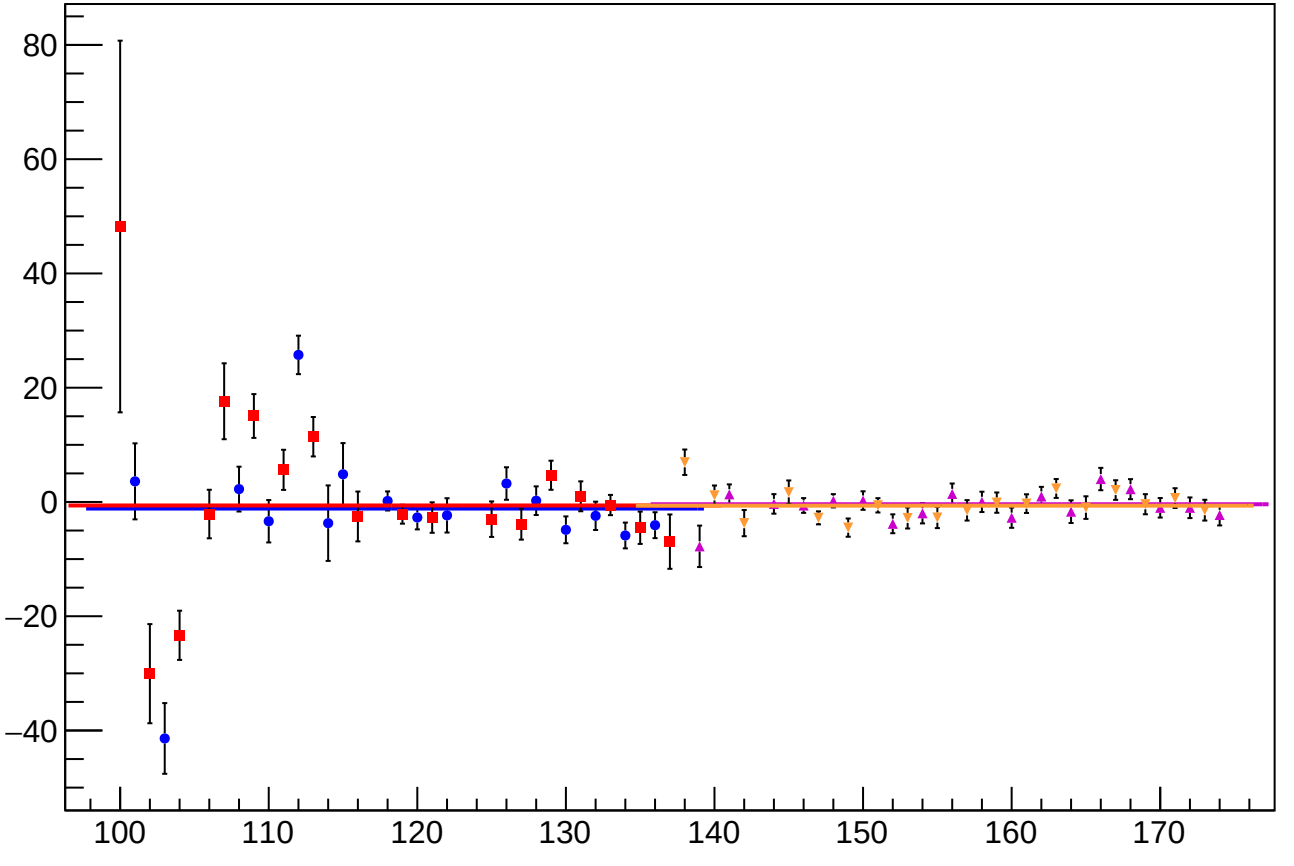
Right: 17.893+/-0.484 χ^2/NDF: 2842.7/33

In: 13.666+/-0.432 χ^2/NDF:1329.8/33

Out: 11.843+/-0.438 χ^2/NDF:1982.5/35

All: 12.767+/-0.308 χ^2/NDF: 3321.0/69

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: -0.645+/-0.399 χ^2/NDF:34.8/17

Right Out: -0.614+/-0.713 χ^2/NDF: 93.4/17

Left In: -0.401+/-0.401 χ^2/NDF:23.2/17

Left: -0.523+/-0.283 χ^2/NDF: 58.2/35

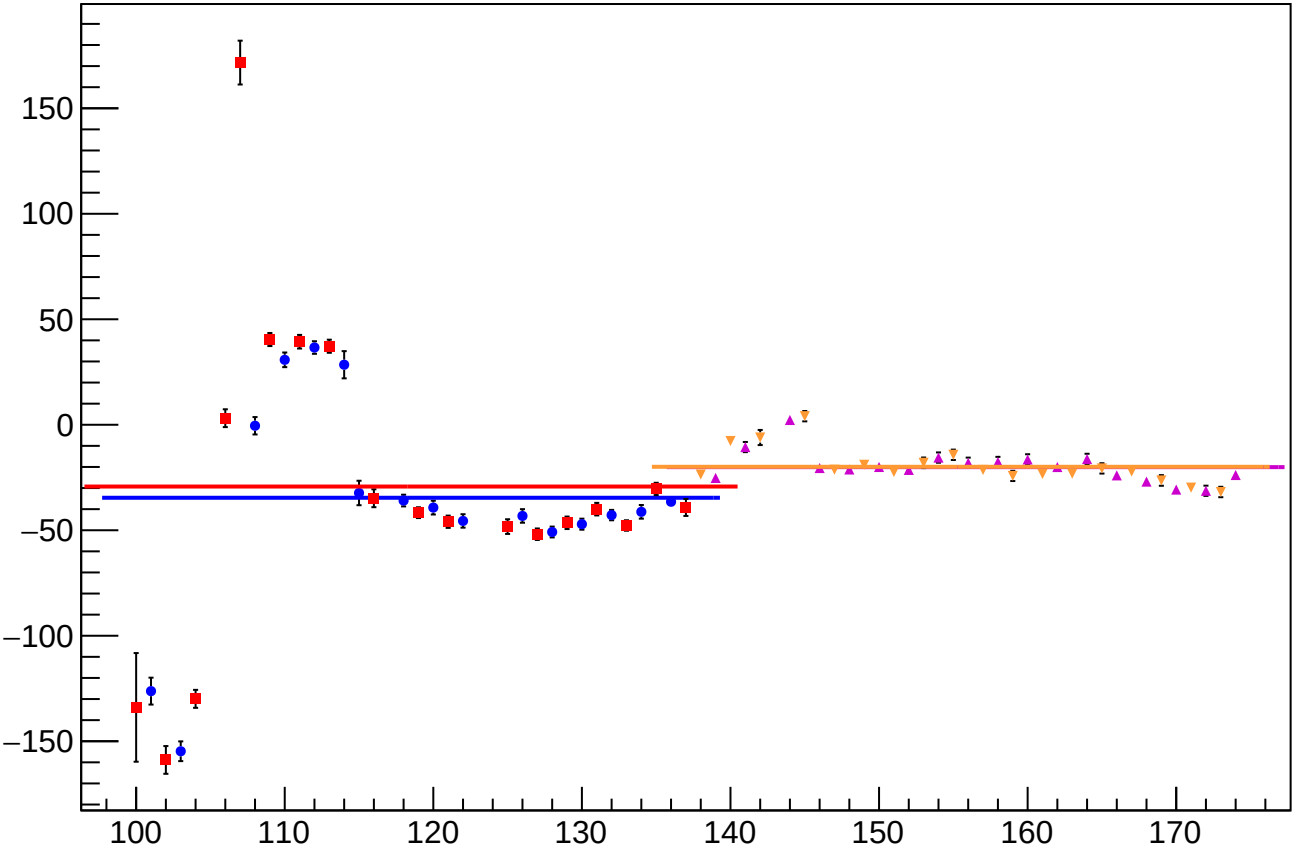
Right: -0.888+/-0.499 χ^2/NDF: 215.5/33

In: -0.586+/-0.348 χ^2/NDF:145.9/33

Out: -0.637+/-0.348 χ^2/NDF:128.2/35

All: -0.612+/-0.246 χ^2/NDF: 274.1/69

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -34.598+/-0.786 χ^2/NDF: 2058.4/15

Left Out: -19.923+/-0.560 χ^2/NDF:211.9/17

Right Out: -29.277+/-0.800 χ^2/NDF: 3081.1/17

Left In: -20.081+/-0.547 χ^2/NDF:177.1/17

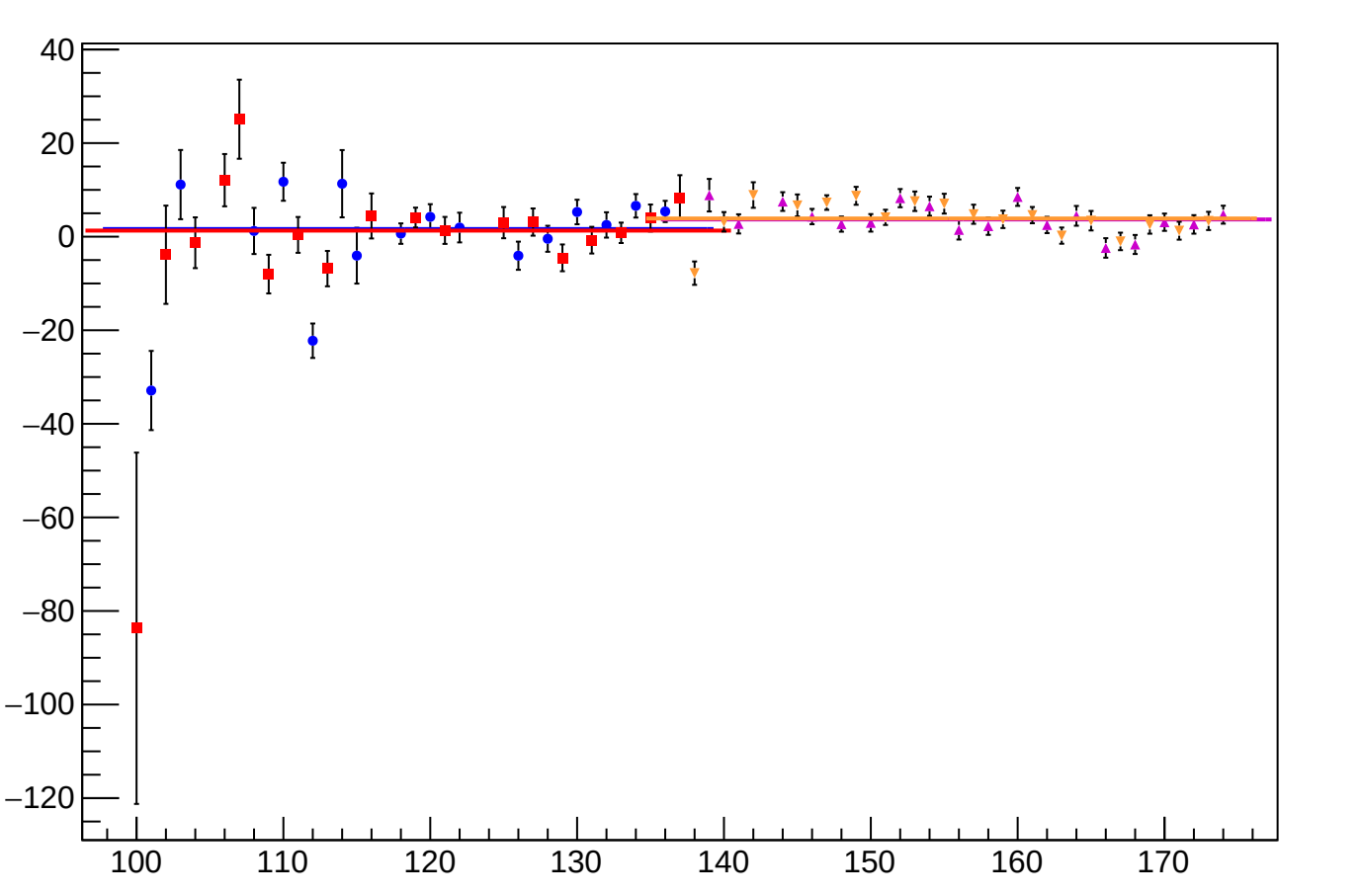
Left: -20.004+/-0.391 χ^2/NDF: 389.0/35

Right: -31.983+/-0.561 χ^2/NDF: 5162.0/33

In: -24.812+/-0.449 χ^2/NDF:2465.4/33

Out: -23.001+/-0.459 χ^2/NDF:3384.7/35

All: -23.926+/-0.321 χ^2/NDF: 5858.1/69



Right In: 1.630+/-0.797 χ^2/NDF: 83.3/15

Left Out: 3.885+/-0.460 χ^2/NDF:57.5/17

Right Out: 1.298+/-0.817 χ^2/NDF: 37.5/17

Left In: 3.676+/-0.459 χ^2/NDF:39.0/17

Left: 3.780+/-0.325 χ^2/NDF: 96.6/35

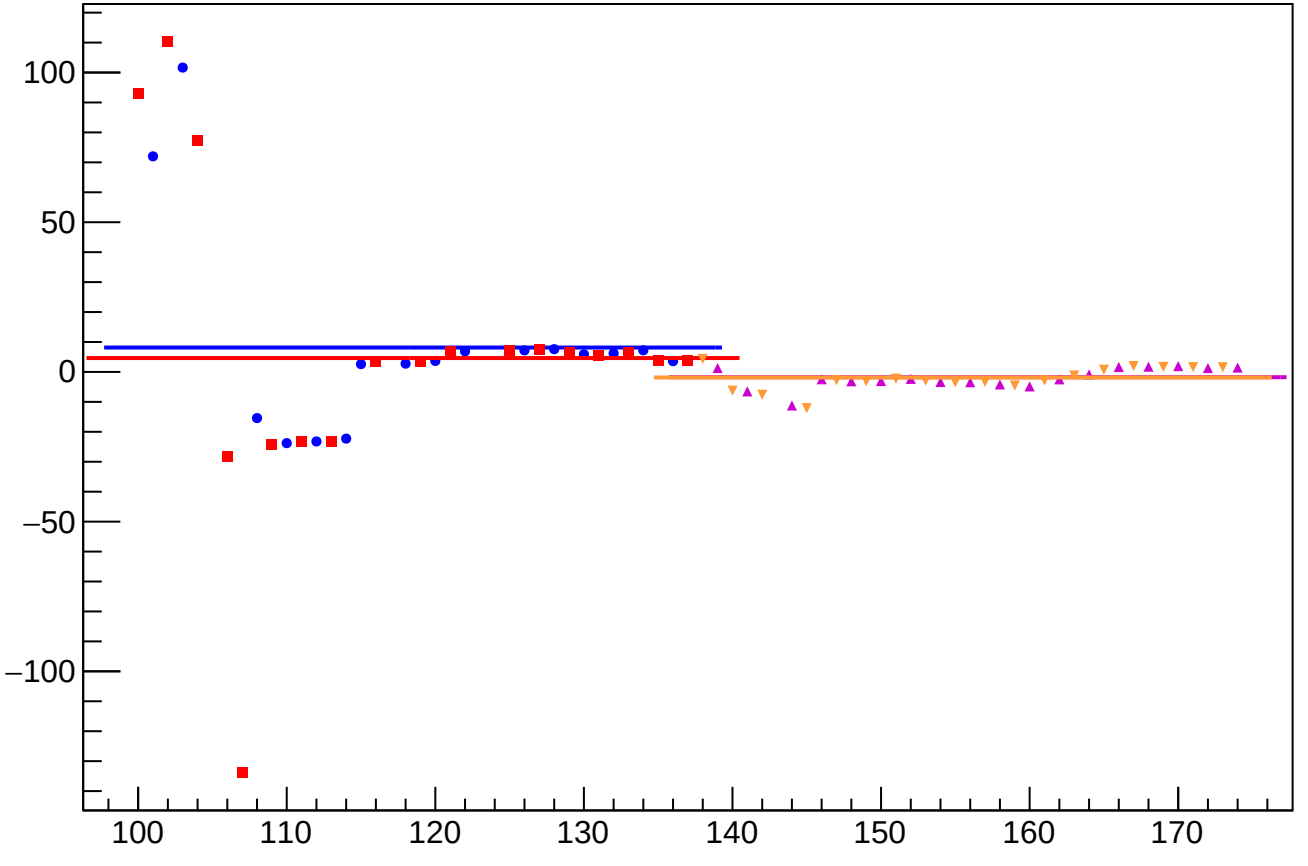
Right: 1.468+/-0.570 χ^2/NDF: 120.9/33

In: 3.167+/-0.398 χ^2/NDF:127.2/33

Out: 3.262+/-0.401 χ^2/NDF:102.6/35

All: 3.214+/-0.282 χ^2/NDF: 229.9/69

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: -1.851+/-0.021 χ^2/NDF:30925.2/17

Right Out: 4.638+/-0.052 χ^2/NDF: 446805.7/17

Left In: -1.762+/-0.020 χ^2/NDF:24055.7/17

Left: -1.805+/-0.014 χ^2/NDF: 54990.4/35

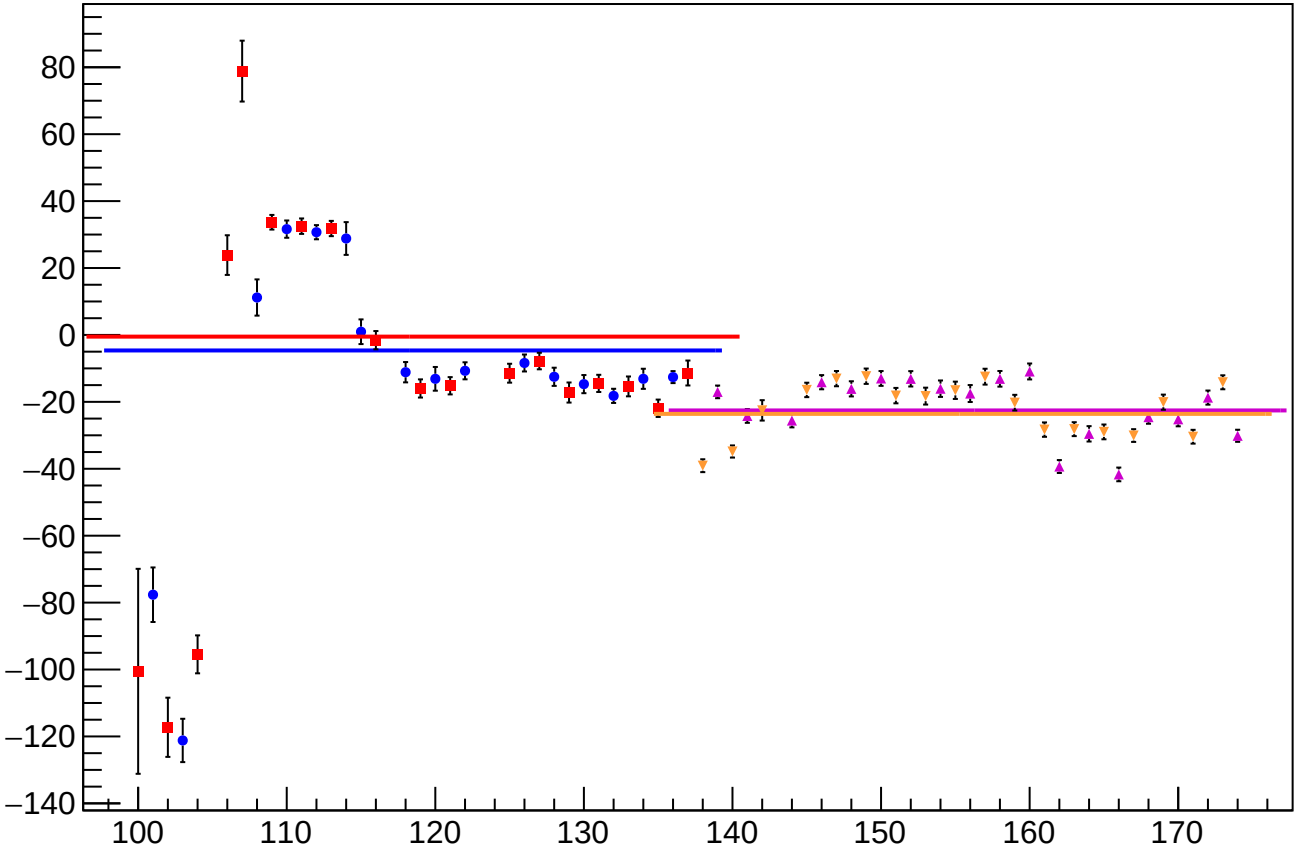
Right: 6.508+/-0.035 χ^2/NDF: 762611.1/33

In: -0.297+/-0.019 χ^2/NDF:373158.1/33

Out: -0.954+/-0.019 χ^2/NDF:491315.3/35

All: -0.615+/-0.013 χ^2/NDF: 865077.6/69

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: -23.595+/-0.518 χ^2/NDF:262.1/17

Right Out: -0.505+/-0.711 χ^2/NDF: 1457.8/17

Left In: -22.565+/-0.503 χ^2/NDF:317.6/17

Left: -23.065+/-0.361 χ^2/NDF: 581.7/35

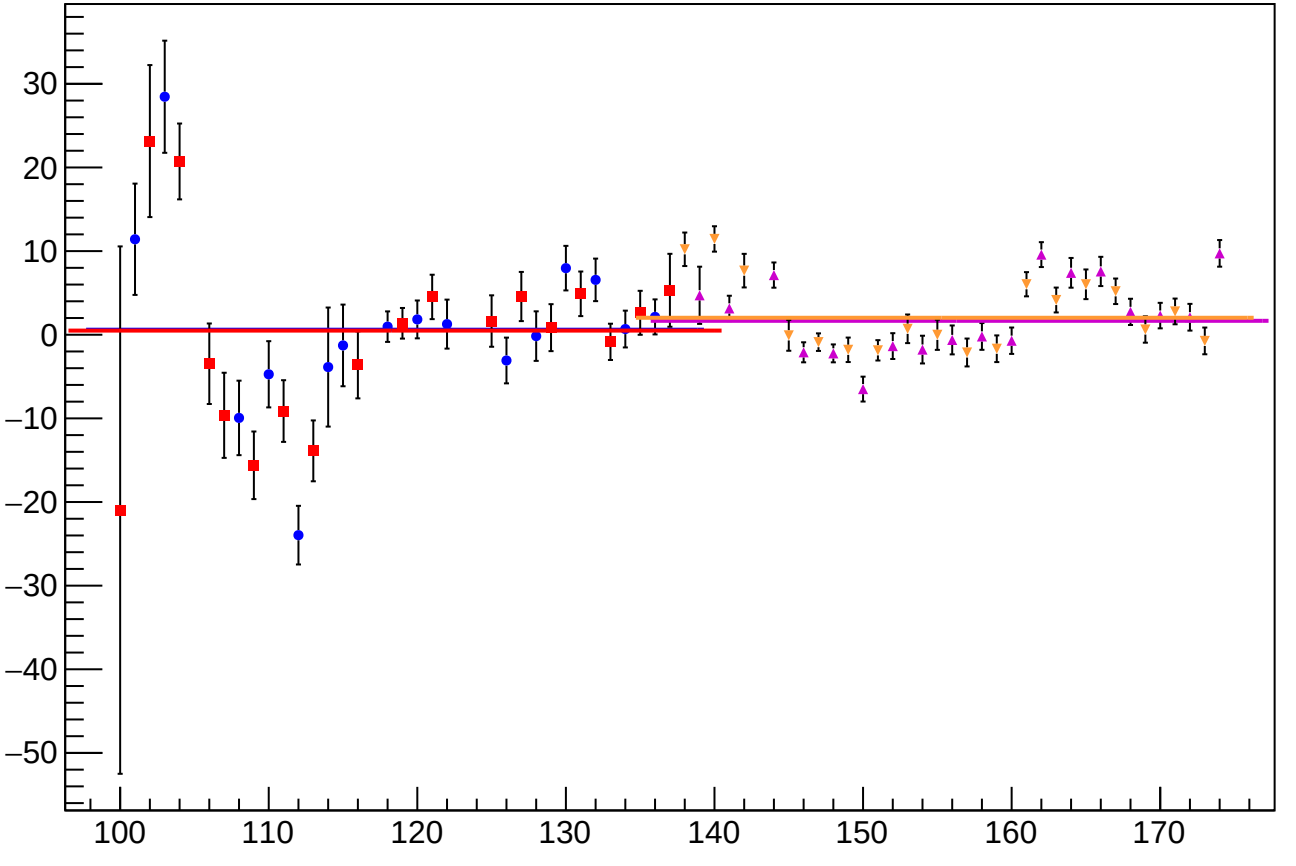
Right: -2.571+/-0.503 χ^2/NDF: 2521.0/33

In: -16.595+/-0.411 χ^2/NDF:1787.1/33

Out: -15.577+/-0.419 χ^2/NDF:2408.6/35

All: -16.096+/-0.293 χ^2/NDF: 4198.8/69

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.602+/-0.727 χ^2/NDF: 92.9/15

Left Out: 2.029+/-0.363 χ^2/NDF:125.8/17

Right Out: 0.496+/-0.755 χ^2/NDF: 80.2/17

Left In: 1.665+/-0.363 χ^2/NDF:158.1/17

Left: 1.847+/-0.257 χ^2/NDF: 284.4/35

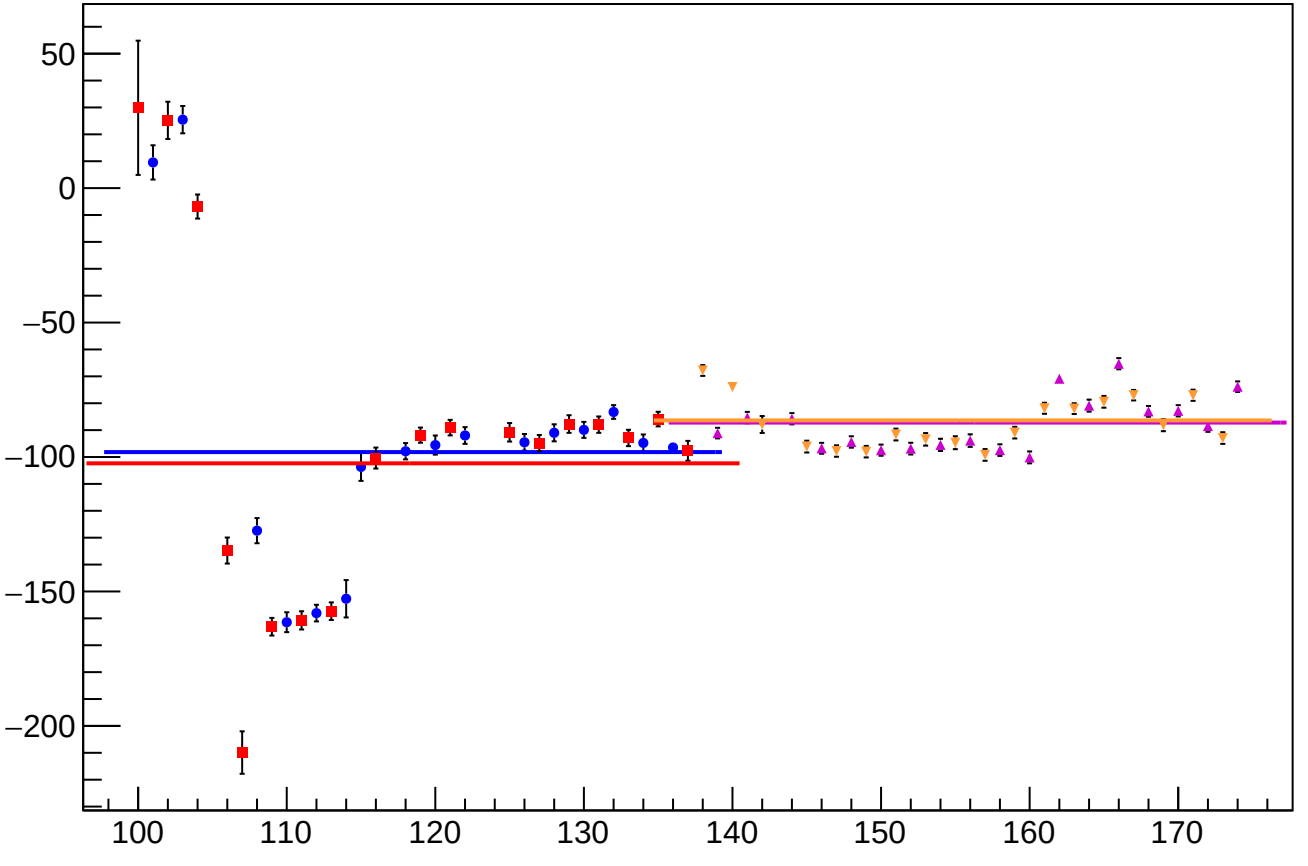
Right: 0.551+/-0.524 χ^2/NDF: 173.0/33

In: 1.454+/-0.324 χ^2/NDF:252.7/33

Out: 1.741+/-0.327 χ^2/NDF:209.3/35

All: 1.596+/-0.230 χ^2/NDF: 462.4/69

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: -86.392+/-0.509 χ^2/NDF:346.0/17

Right Out: -102.349+/-0.837 χ^2/NDF: 2117.5/17

Left In: -87.193+/-0.495 χ^2/NDF:412.4/17

Left: -86.803+/-0.355 χ^2/NDF: 759.6/35

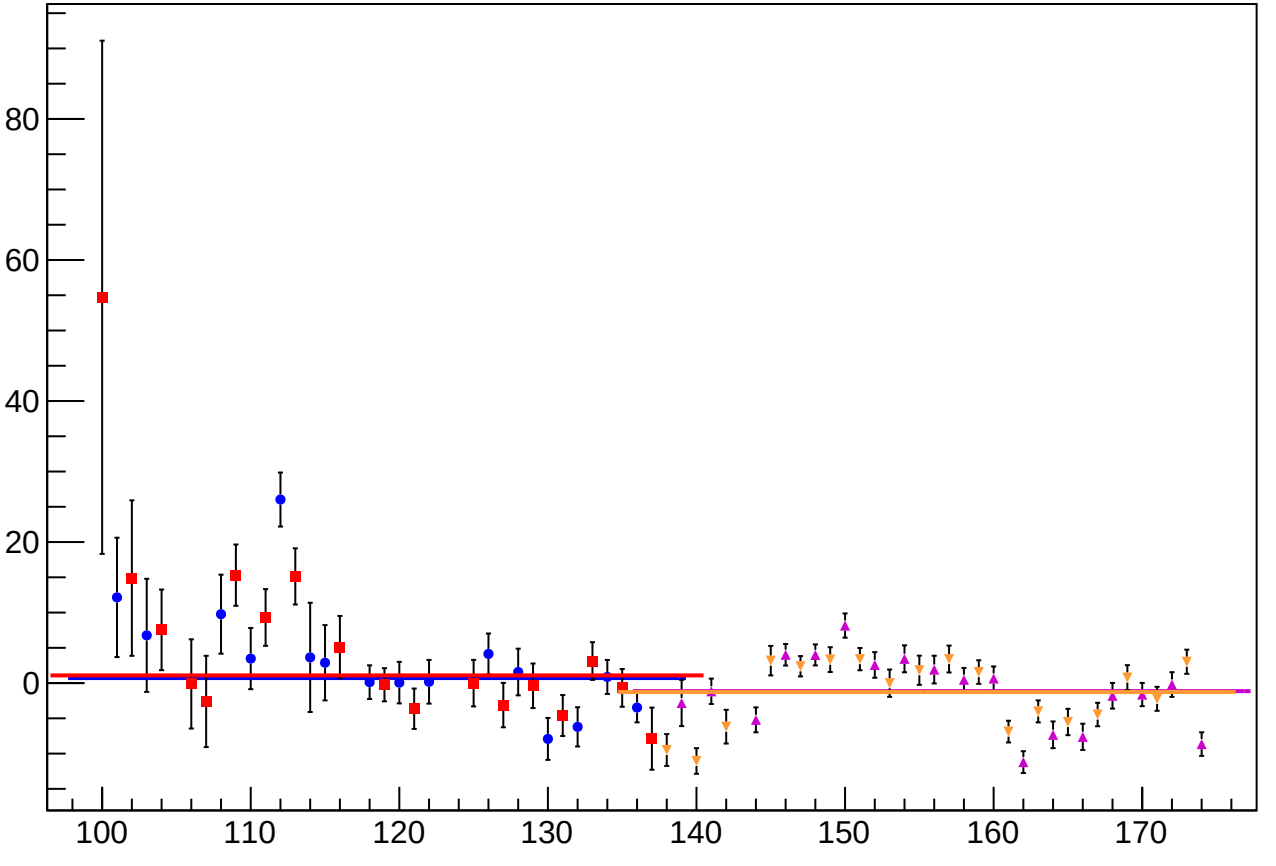
Right: -100.197+/-0.583 χ^2/NDF: 3830.3/33

In: -90.163+/-0.423 χ^2/NDF:2245.3/33

Out: -90.697+/-0.435 χ^2/NDF:2729.0/35

All: -90.422+/-0.303 χ^2/NDF: 4975.0/69

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.711+/-0.821 χ^2/NDF: 69.6/15

Left Out: -1.269+/-0.418 χ^2/NDF:117.6/17

Right Out: 1.088+/-0.856 χ^2/NDF: 47.7/17

Left In: -1.143+/-0.415 χ^2/NDF:158.4/17

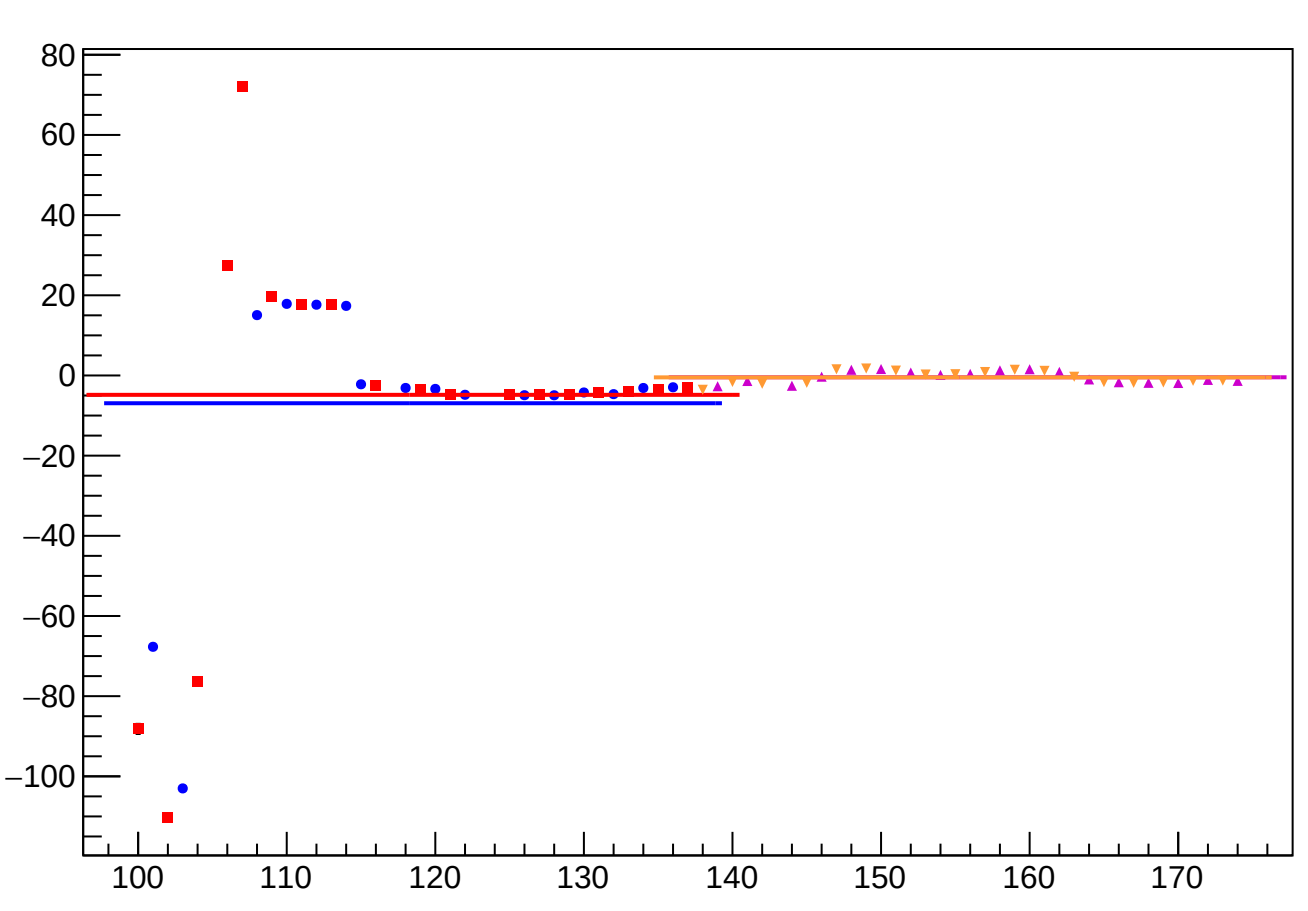
Left: -1.205+/-0.294 χ^2/NDF: 276.0/35

Right: 0.892+/-0.593 χ^2/NDF: 117.4/33

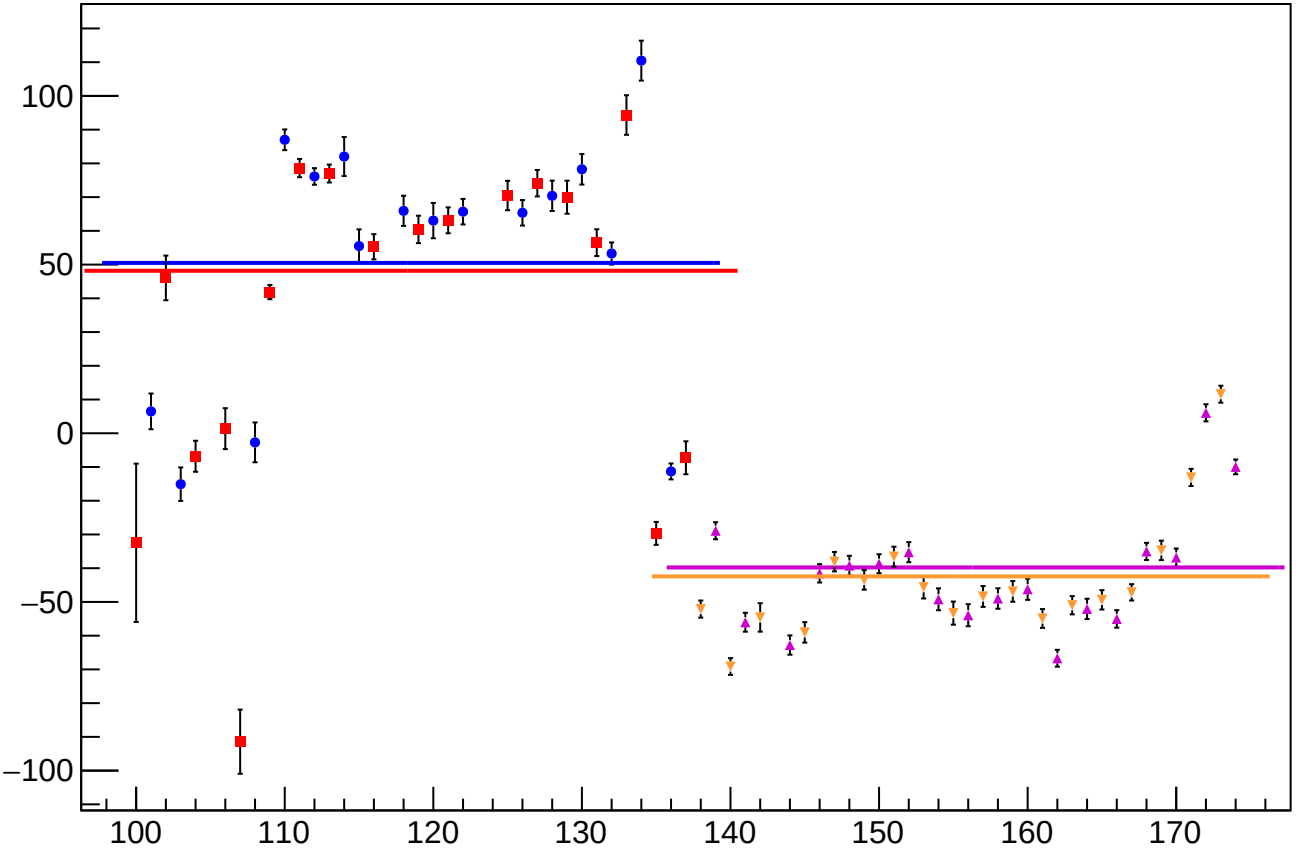
In: -0.766+/-0.370 χ^2/NDF:232.1/33

Out: -0.816+/-0.376 χ^2/NDF:171.4/35

All: -0.791+/-0.264 χ^2/NDF: 403.5/69


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: -0.474+/-0.019 χ²/NDF:6332.0/17
Right Out: -4.833+/-0.053 χ²/NDF: 339363.3/17
Left In: -0.449+/-0.018 χ²/NDF:5996.9/17
Left: -0.461+/-0.013 χ²/NDF: 12329.7/35
Right: -5.968+/-0.036 χ²/NDF: 605403.2/33
In: -1.253+/-0.017 χ²/NDF:286789.3/33
Out: -0.966+/-0.018 χ²/NDF:351741.0/35
All: -1.115+/-0.012 χ²/NDF: 638666.8/69

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 50.503+/-0.965 χ^2/NDF: 1503.6/15

Left Out: -42.423+/-0.672 χ^2/NDF:833.7/17

Right Out: 48.172+/-0.914 χ^2/NDF: 1519.5/17

Left In: -39.771+/-0.649 χ^2/NDF:843.3/17

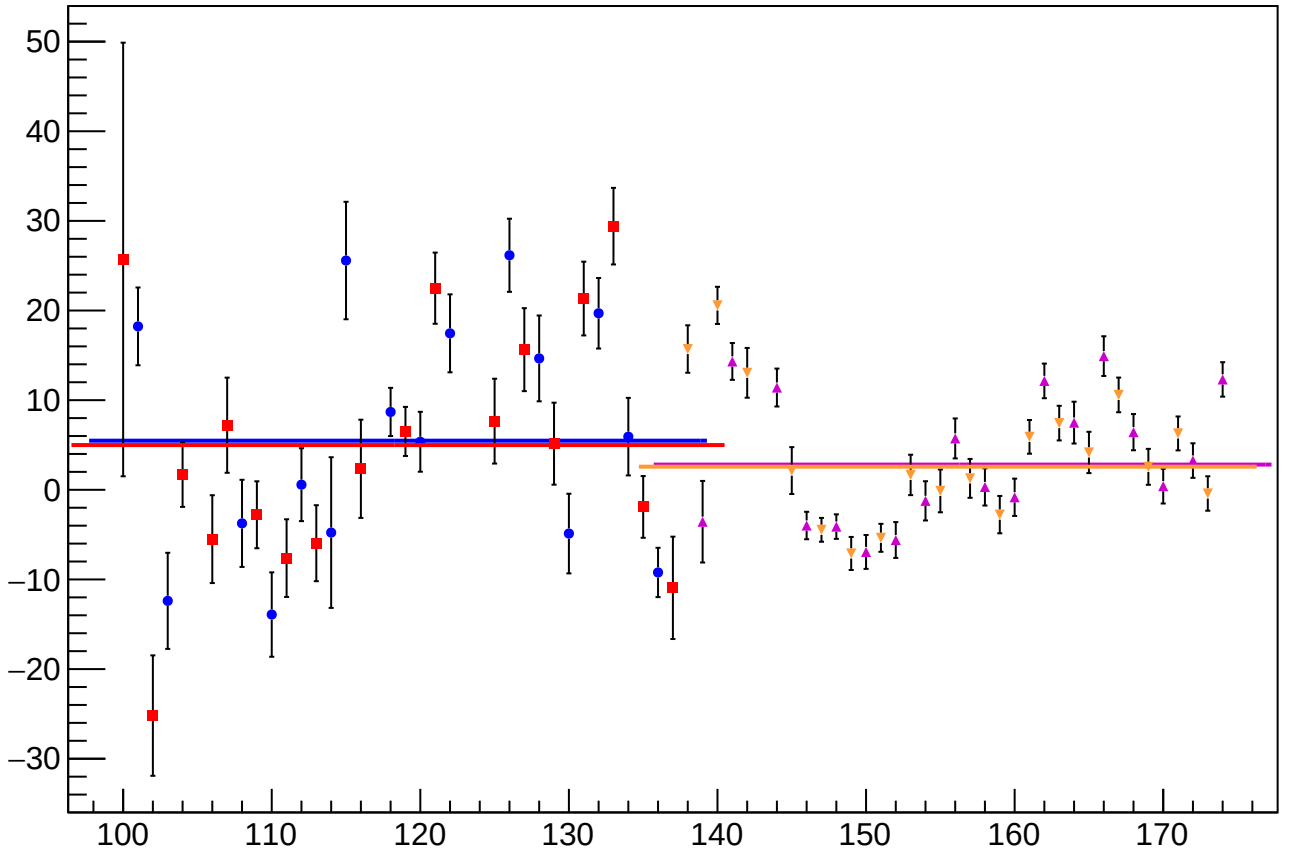
Left: -41.051+/-0.467 χ^2/NDF: 1685.1/35

Right: 49.274+/-0.664 χ^2/NDF: 3026.2/33

In: -11.682+/-0.538 χ^2/NDF:8371.0/33

Out: -10.661+/-0.541 χ^2/NDF:8729.4/35

All: -11.175+/-0.382 χ^2/NDF: 17102.3/69



Right In: 5.481+/-1.021 χ^2/NDF: 138.2/15

Left Out: 2.581+/-0.469 χ^2/NDF:237.5/17

Right Out: 4.992+/-1.023 χ^2/NDF: 131.8/17

Left In: 2.814+/-0.467 χ^2/NDF:235.5/17

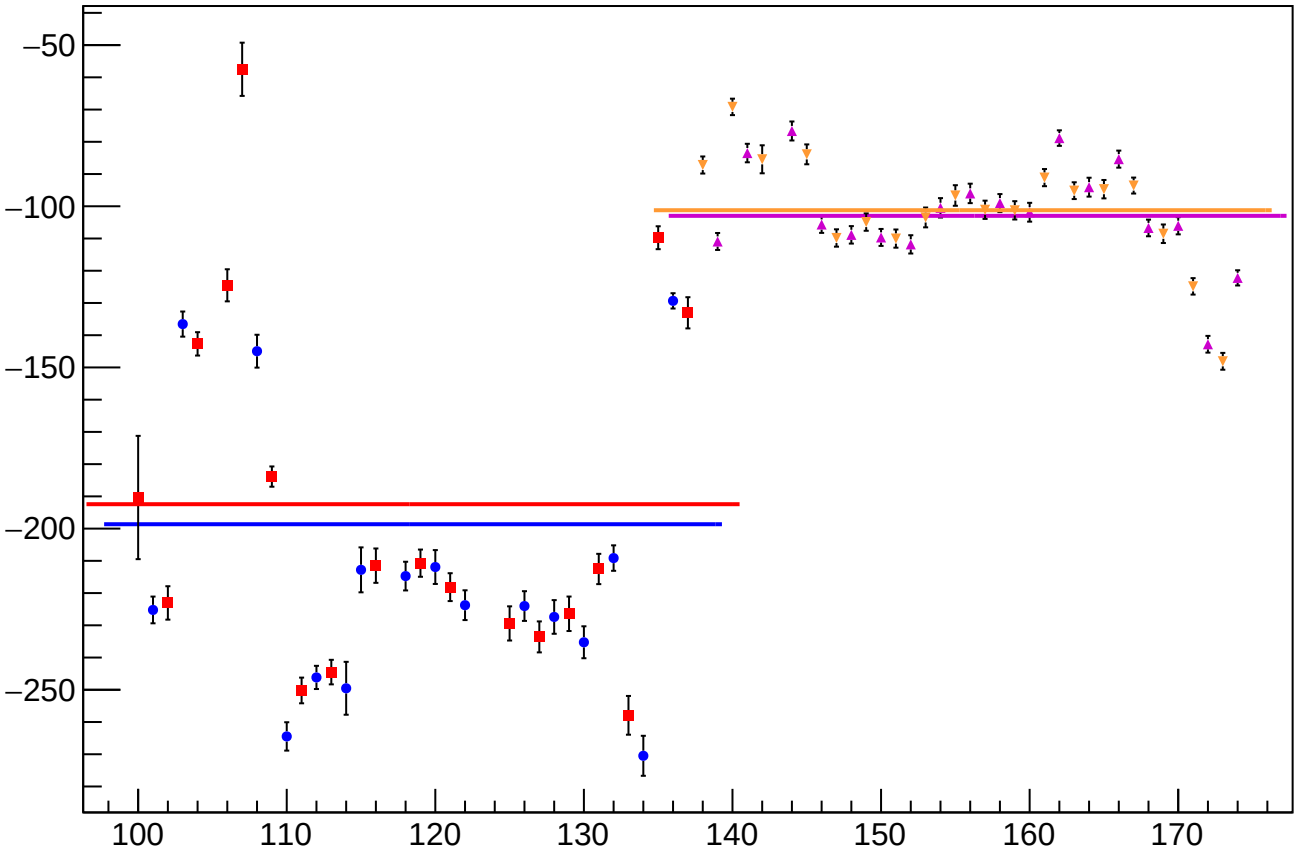
Left: 2.698+/-0.331 χ^2/NDF: 473.1/35

Right: 5.236+/-0.723 χ^2/NDF: 270.1/33

In: 3.275+/-0.425 χ^2/NDF:379.3/33

Out: 3.000+/-0.426 χ^2/NDF:373.9/35

All: 3.138+/-0.301 χ^2/NDF: 753.4/69



Right In: -198.641+/-1.083 χ^2/NDF: 2002.3/15

Left Out: -101.227+/-0.659 χ^2/NDF:704.1/17

Right Out: -192.426+/-1.080 χ^2/NDF: 2139.0/17

Left In: -102.966+/-0.639 χ^2/NDF:624.4/17

Left: -102.123+/-0.459 χ^2/NDF: 1332.1/35

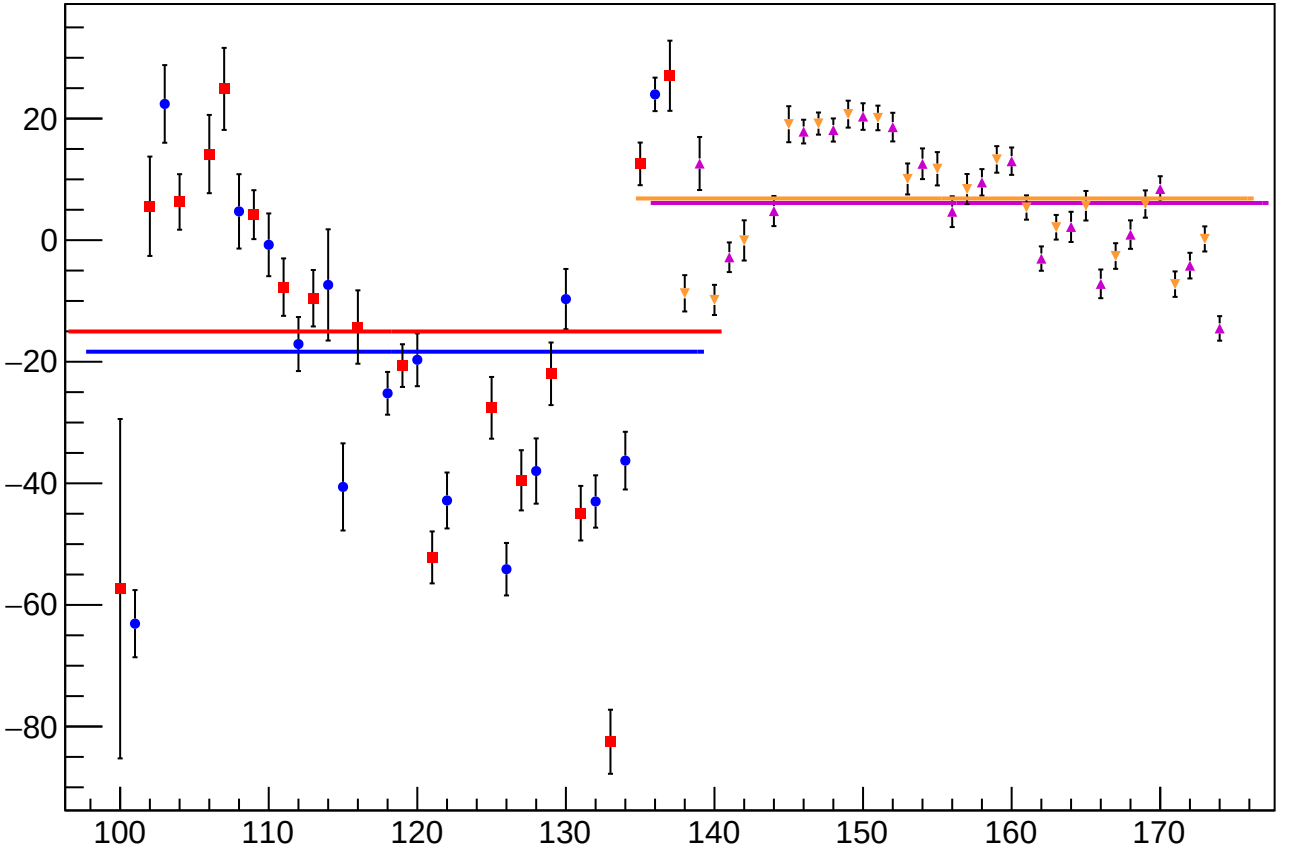
Right: -195.523+/-0.765 χ^2/NDF: 4157.8/33

In: -127.666+/-0.550 χ^2/NDF:8412.1/33

Out: -125.975+/-0.562 χ^2/NDF:8041.4/35

All: -126.839+/-0.393 χ^2/NDF: 16458.1/69

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: 6.859+/-0.539 χ^2/NDF:317.7/17

Right Out: -15.021+/-1.162 χ^2/NDF: 546.4/17

Left In: 6.117+/-0.534 χ^2/NDF:370.5/17

Left: 6.485+/-0.380 χ^2/NDF: 689.1/35

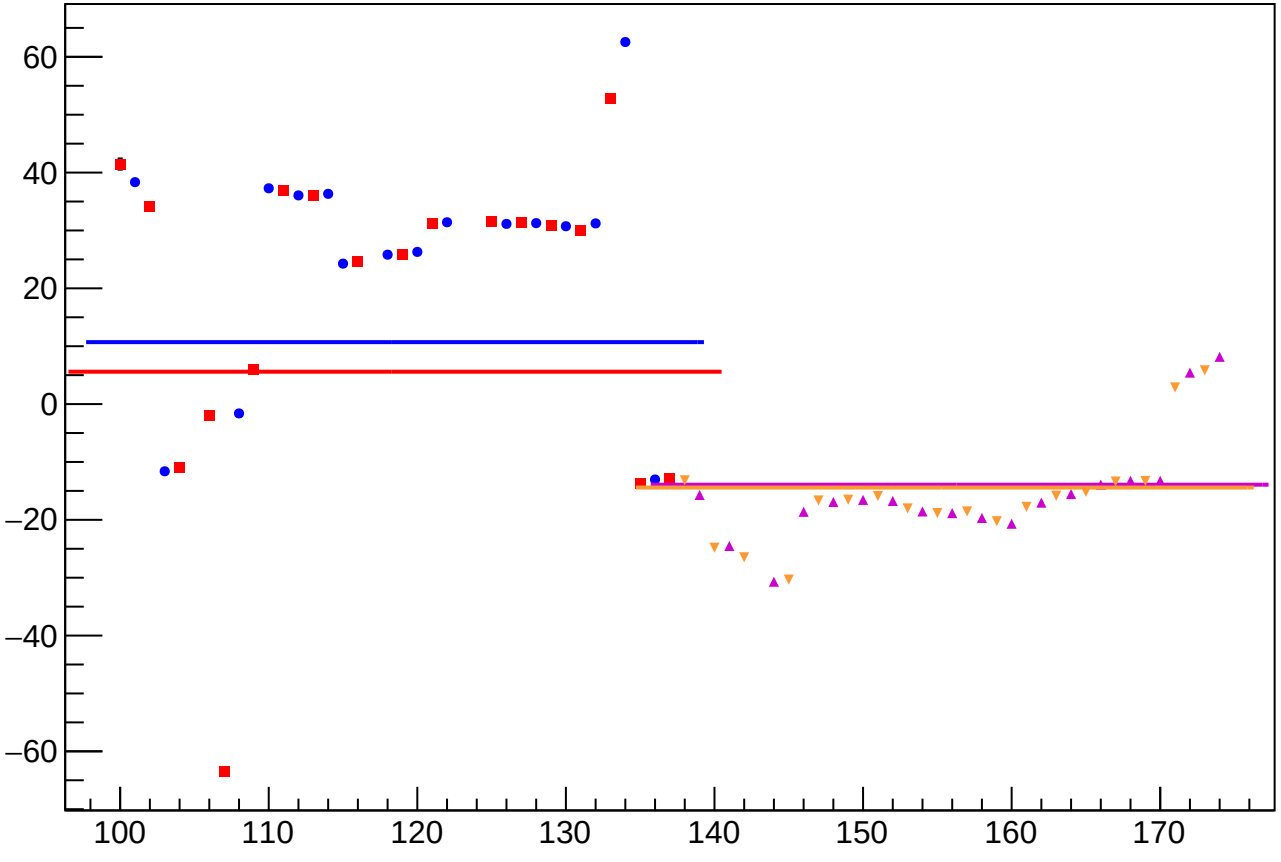
Right: -16.688+/-0.821 χ^2/NDF: 1094.5/33

In: 1.832+/-0.485 χ^2/NDF:1281.7/33

Out: 2.979+/-0.489 χ^2/NDF:1155.9/35

All: 2.401+/-0.345 χ^2/NDF: 2440.4/69

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.704+/-0.063 χ^2/NDF: 164860.8/15

Left Out: -14.421+/-0.024 χ^2/NDF:130785.9/17

Right Out: 5.595+/-0.064 χ^2/NDF: 154966.4/17

Left In: -13.928+/-0.024 χ^2/NDF:160194.3/17

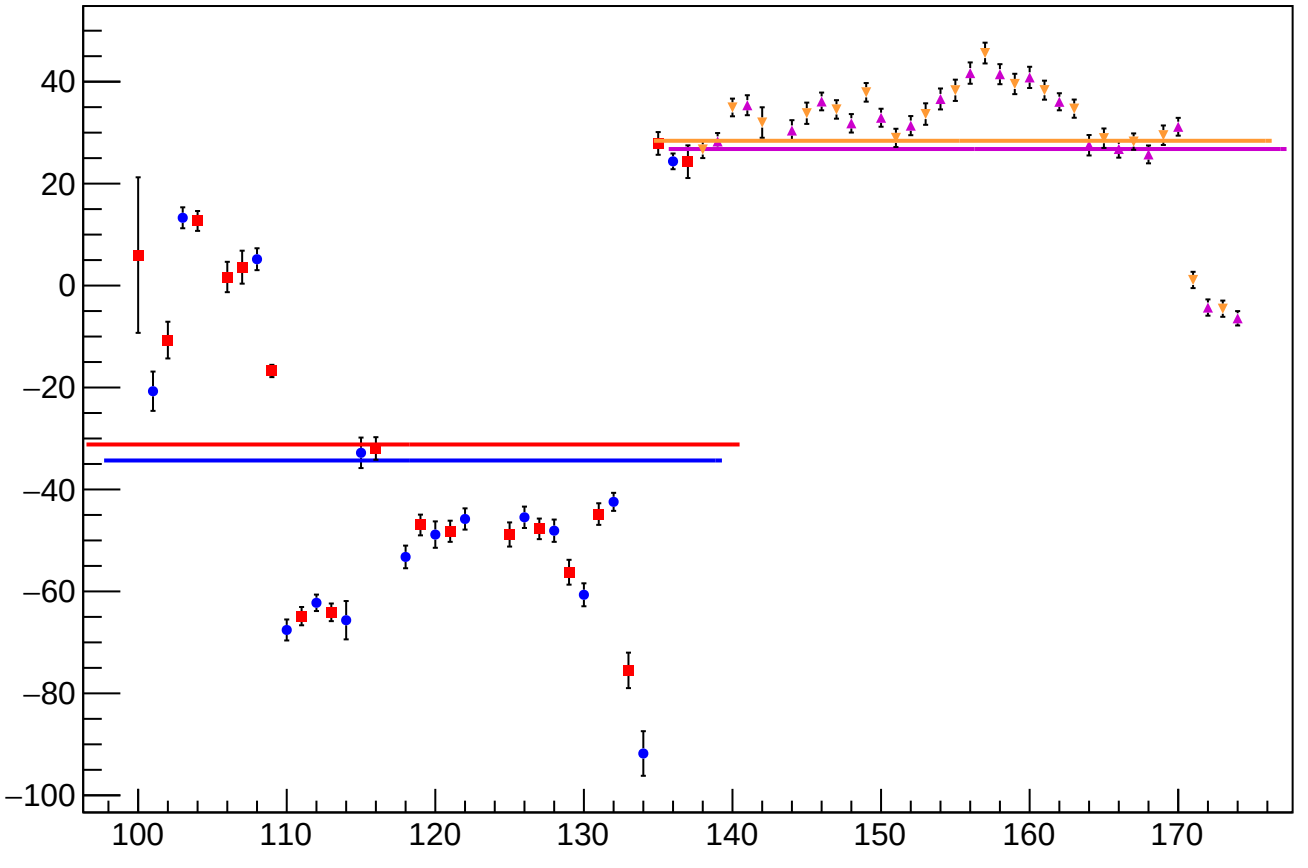
Left: -14.167+/-0.017 χ^2/NDF: 291192.2/35

Right: 8.178+/-0.045 χ^2/NDF: 323087.7/33

In: -10.904+/-0.022 χ^2/NDF:459572.3/33

Out: -11.866+/-0.023 χ^2/NDF:372118.9/35

All: -11.370+/-0.016 χ^2/NDF: 832615.7/69



Right In: -34.315+/-0.548 χ^2/NDF: 3500.2/15

Left Out: 28.402+/-0.438 χ^2/NDF:955.2/17

Right Out: -31.175+/-0.516 χ^2/NDF: 3200.4/17

Left In: 26.788+/-0.424 χ^2/NDF:1224.1/17

Left: 27.569+/-0.305 χ^2/NDF: 2186.3/35

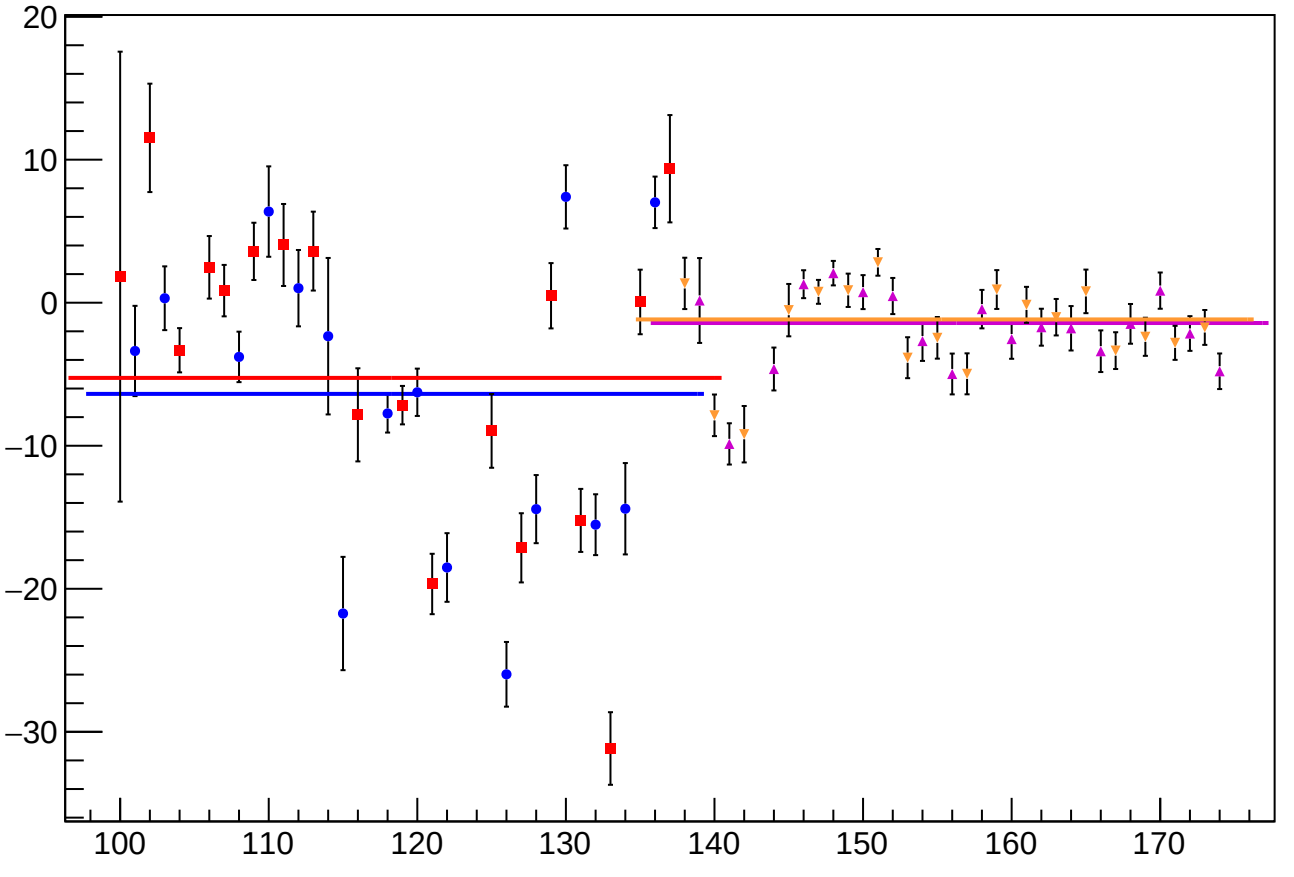
Right: -32.651+/-0.375 χ^2/NDF: 6718.0/33

In: 3.901+/-0.335 χ^2/NDF:12506.5/33

Out: 3.433+/-0.334 χ^2/NDF:11907.5/35

All: 3.666+/-0.237 χ^2/NDF: 24415.1/69

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.375+/-0.554 χ^2/NDF: 283.6/15

Left Out: -1.169+/-0.303 χ^2/NDF:88.4/17

Right Out: -5.256+/-0.533 χ^2/NDF: 312.9/17

Left In: -1.420+/-0.304 χ^2/NDF:90.2/17

Left: -1.294+/-0.215 χ^2/NDF: 178.9/35

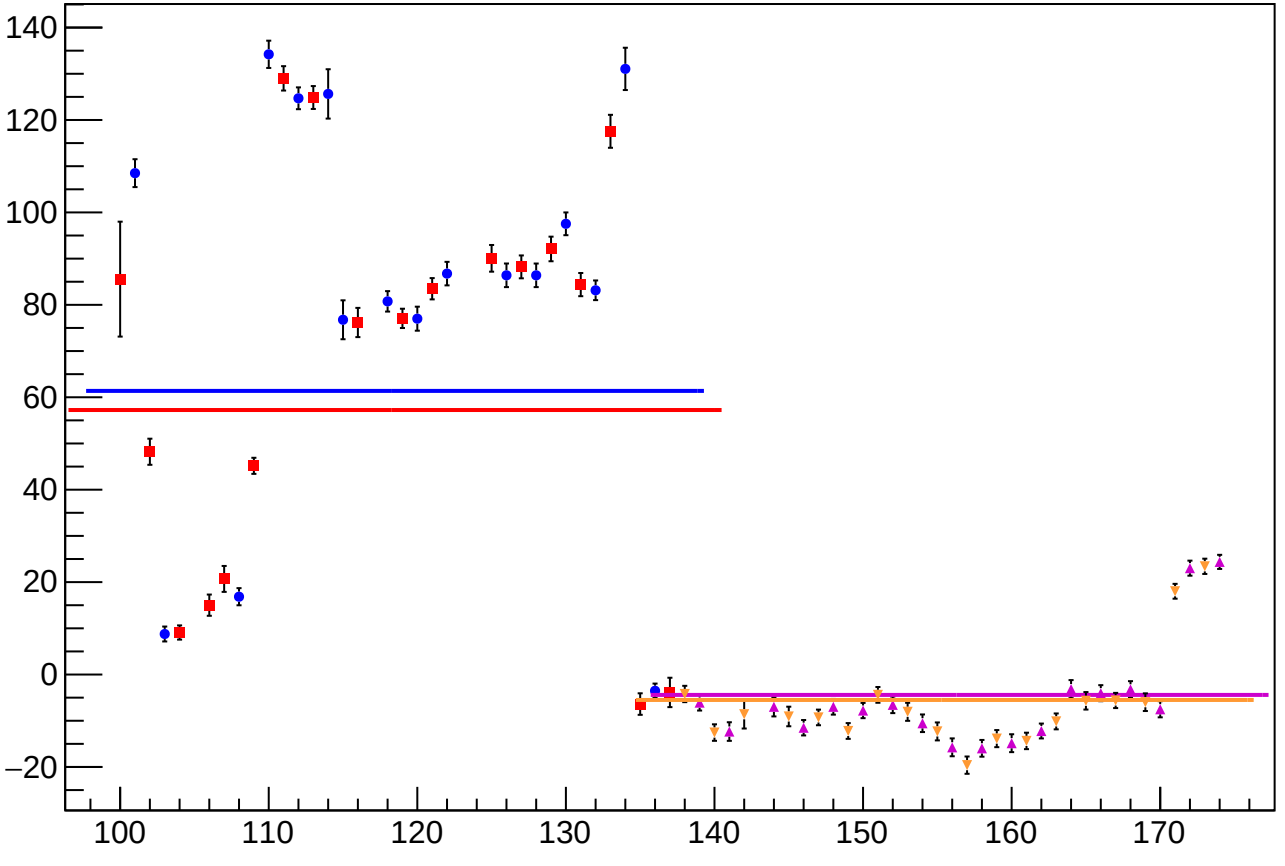
Right: -5.794+/-0.384 χ^2/NDF: 598.6/33

In: -2.567+/-0.266 χ^2/NDF:435.3/33

Out: -2.170+/-0.264 χ^2/NDF:445.8/35

All: -2.366+/-0.187 χ^2/NDF: 882.2/69

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 61.377+/-0.594 χ^2/NDF: 6066.8/15

Left Out: -5.501+/-0.429 χ^2/NDF:685.2/17

Right Out: 57.240+/-0.580 χ^2/NDF: 5267.5/17

Left In: -4.409+/-0.417 χ^2/NDF:825.7/17

Left: -4.940+/-0.299 χ^2/NDF: 1514.2/35

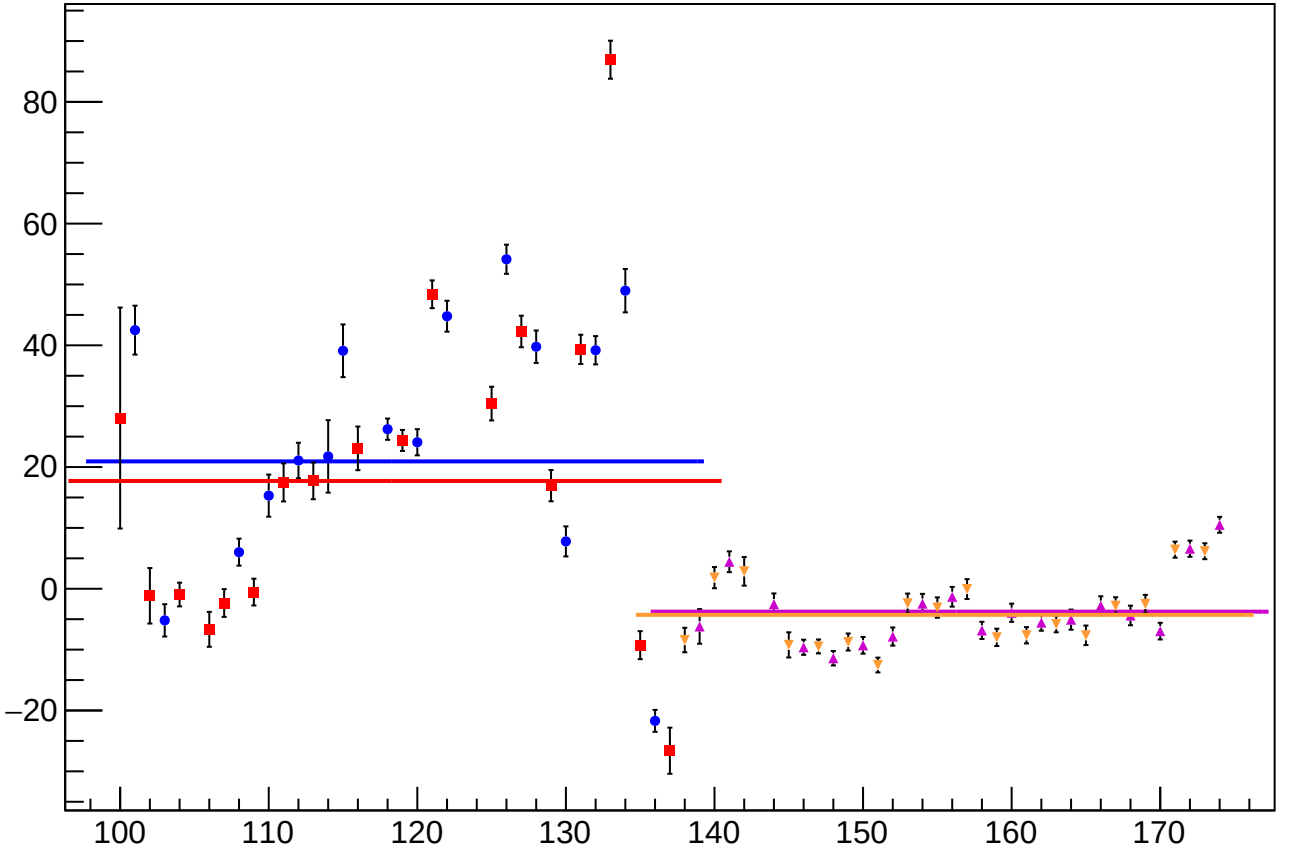
Right: 59.259+/-0.415 χ^2/NDF: 11359.0/33

In: 17.298+/-0.341 χ^2/NDF:15102.4/33

Out: 16.668+/-0.345 χ^2/NDF:13514.6/35

All: 16.987+/-0.243 χ^2/NDF: 28618.6/69

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 20.931+/-0.640 χ^2/NDF: 1245.4/15

Left Out: -4.284+/-0.350 χ^2/NDF:268.2/17

Right Out: 17.711+/-0.618 χ^2/NDF: 1481.9/17

Left In: -3.764+/-0.348 χ^2/NDF:307.5/17

Left: -4.023+/-0.247 χ^2/NDF: 576.8/35

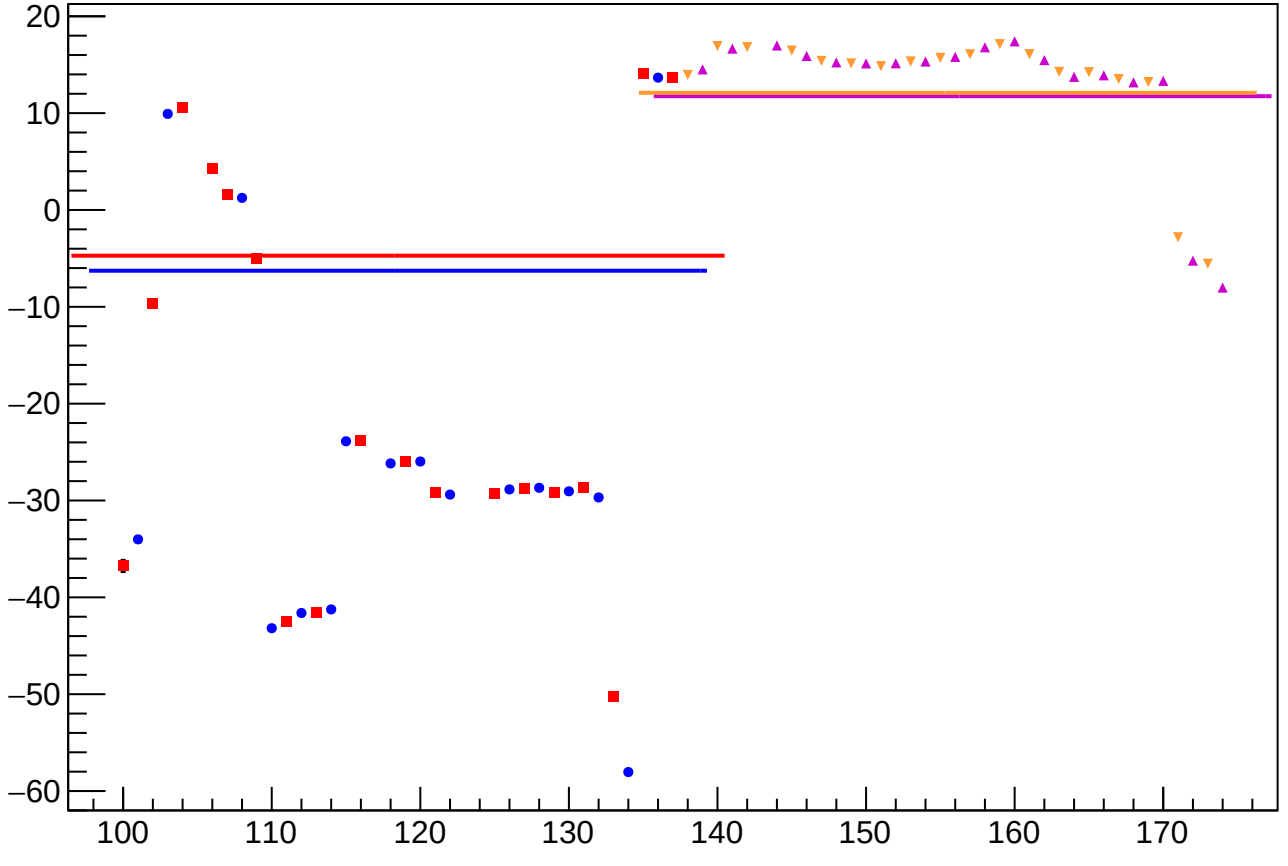
Right: 19.265+/-0.445 χ^2/NDF: 2740.4/33

In: 1.870+/-0.306 χ^2/NDF:2701.6/33

Out: 1.048+/-0.304 χ^2/NDF:2709.3/35

All: 1.457+/-0.216 χ^2/NDF: 5414.6/69

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.271+/-0.033 χ^2/NDF: 410461.0/15

Left Out: 12.103+/-0.016 χ^2/NDF:206211.9/17

Right Out: -4.720+/-0.034 χ^2/NDF: 306663.6/17

Left In: 11.749+/-0.015 χ^2/NDF:275291.7/17

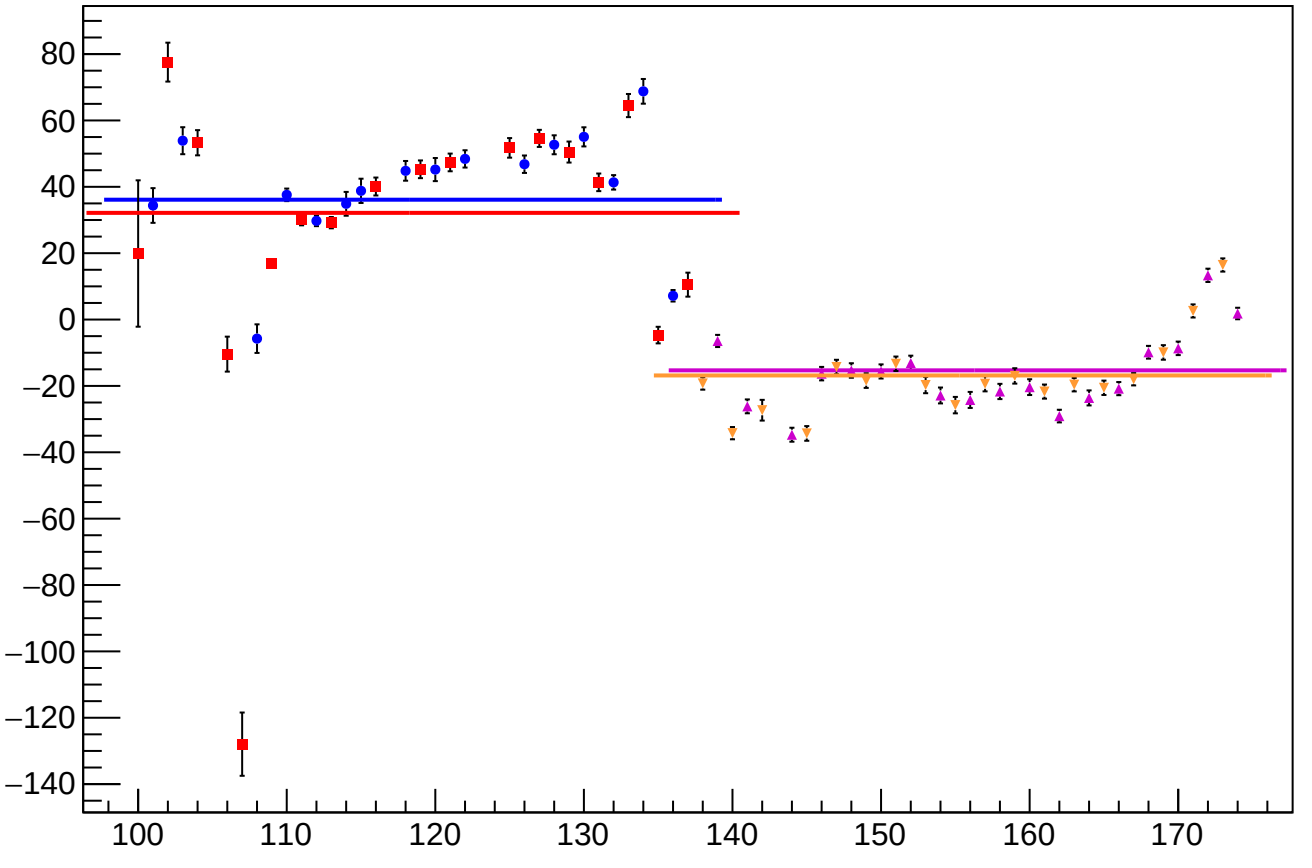
Left: 11.921+/-0.011 χ^2/NDF: 481761.9/35

Right: -5.502+/-0.024 χ^2/NDF: 718193.1/33

In: 8.615+/-0.014 χ^2/NDF:925984.0/33

Out: 9.070+/-0.014 χ^2/NDF:717277.3/35

All: 8.837+/-0.010 χ^2/NDF: 1643779.2/69



Right In: 36.118+/-0.656 χ^2/NDF: 622.8/15

Left Out: -16.846+/-0.506 χ^2/NDF:579.2/17

Right Out: 32.150+/-0.631 χ^2/NDF: 1114.6/17

Left In: -15.306+/-0.491 χ^2/NDF:565.1/17

Left: -16.051+/-0.352 χ^2/NDF: 1149.1/35

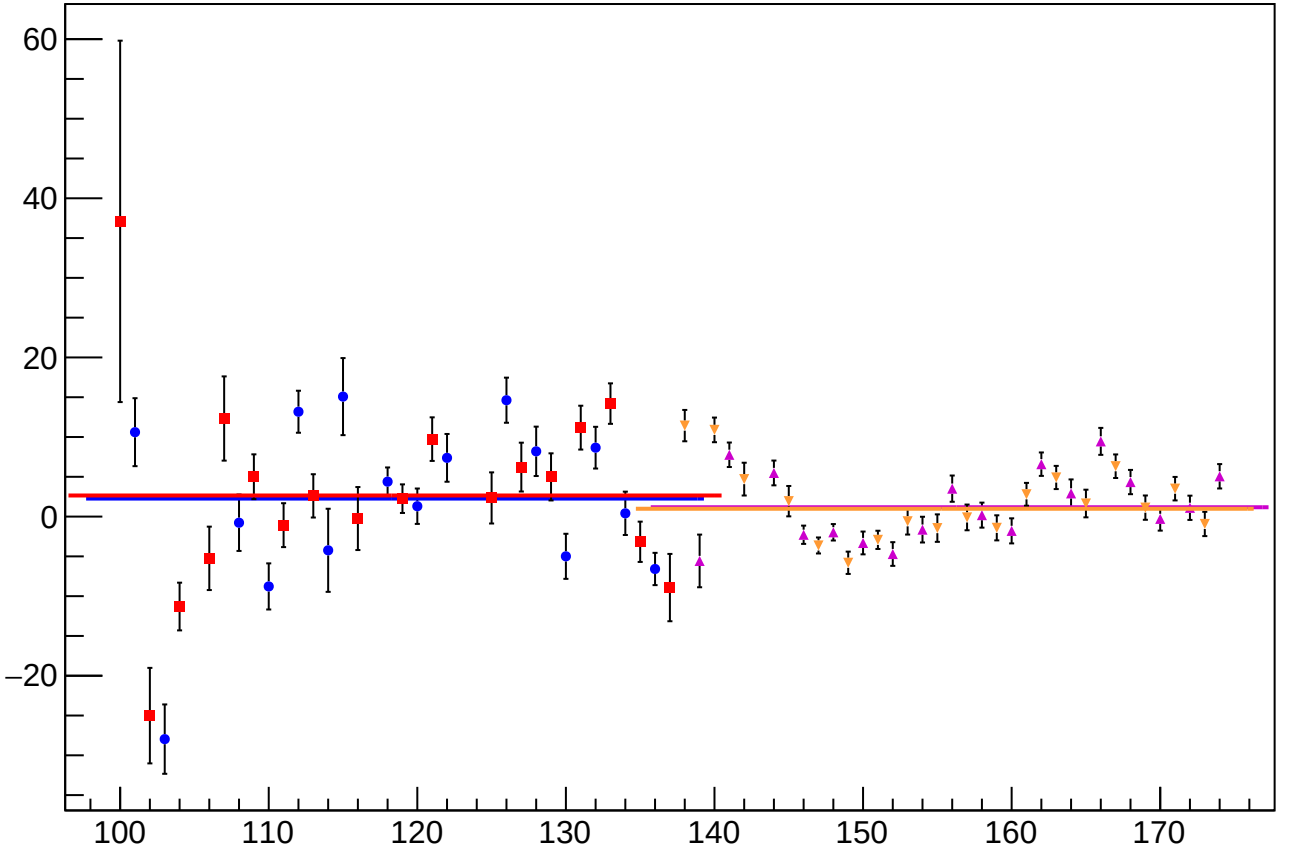
Right: 34.055+/-0.455 χ^2/NDF: 1756.4/33

In: 3.127+/-0.393 χ^2/NDF:5125.2/33

Out: 2.364+/-0.395 χ^2/NDF:5363.6/35

All: 2.747+/-0.279 χ^2/NDF: 10490.7/69

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.265+/-0.701 χ^2/NDF: 152.0/15

Left Out: 0.985+/-0.354 χ^2/NDF:161.0/17

Right Out: 2.651+/-0.715 χ^2/NDF: 107.2/17

Left In: 1.174+/-0.354 χ^2/NDF:133.0/17

Left: 1.079+/-0.250 χ^2/NDF: 294.2/35

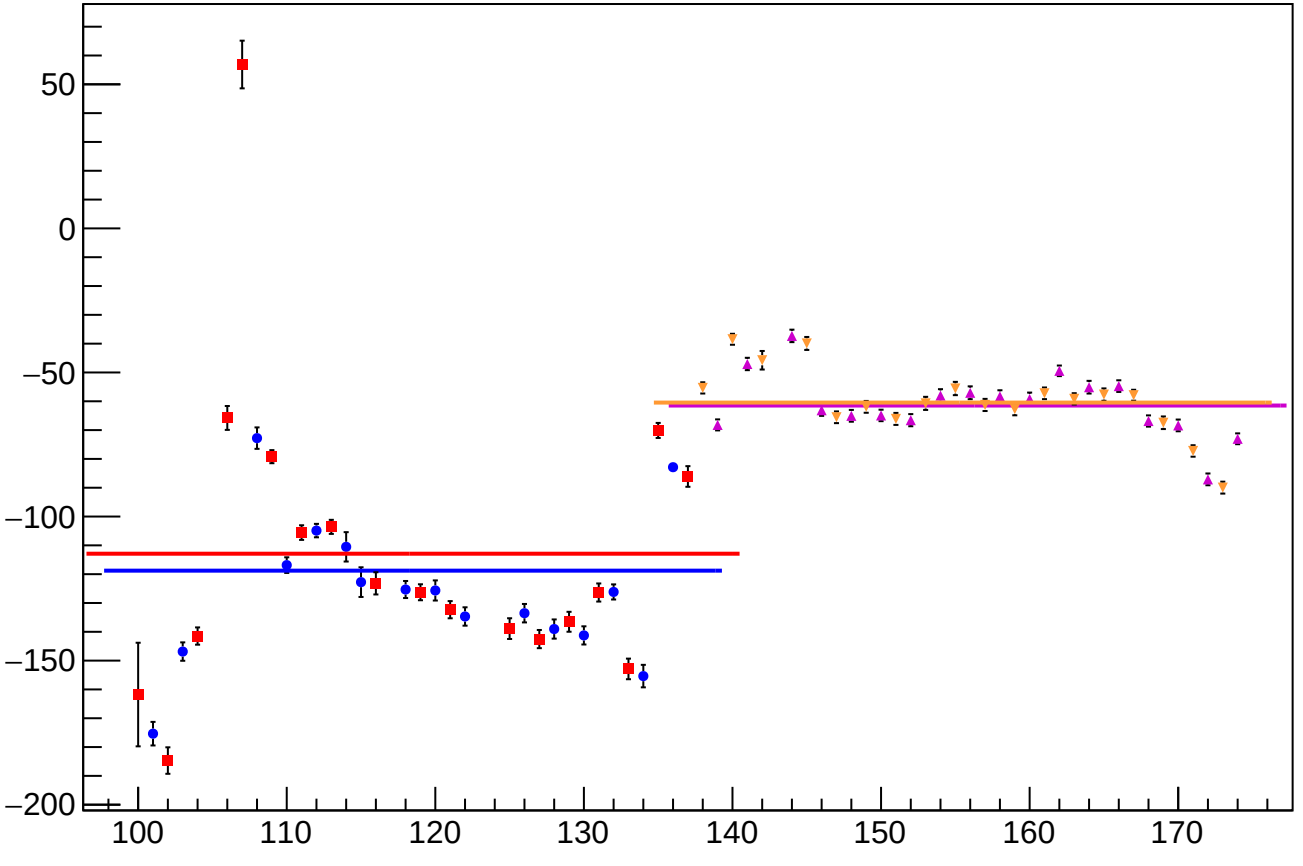
Right: 2.454+/-0.501 χ^2/NDF: 259.4/33

In: 1.395+/-0.316 χ^2/NDF:287.0/33

Out: 1.312+/-0.317 χ^2/NDF:272.6/35

All: 1.354+/-0.224 χ^2/NDF: 559.6/69

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -118.778+/-0.757 χ^2/NDF: 1119.5/15

Left Out: -60.450+/-0.497 χ^2/NDF:554.9/17

Right Out: -112.899+/-0.761 χ^2/NDF: 1862.9/17

Left In: -61.475+/-0.483 χ^2/NDF:480.1/17

Left: -60.977+/-0.346 χ^2/NDF: 1037.1/35

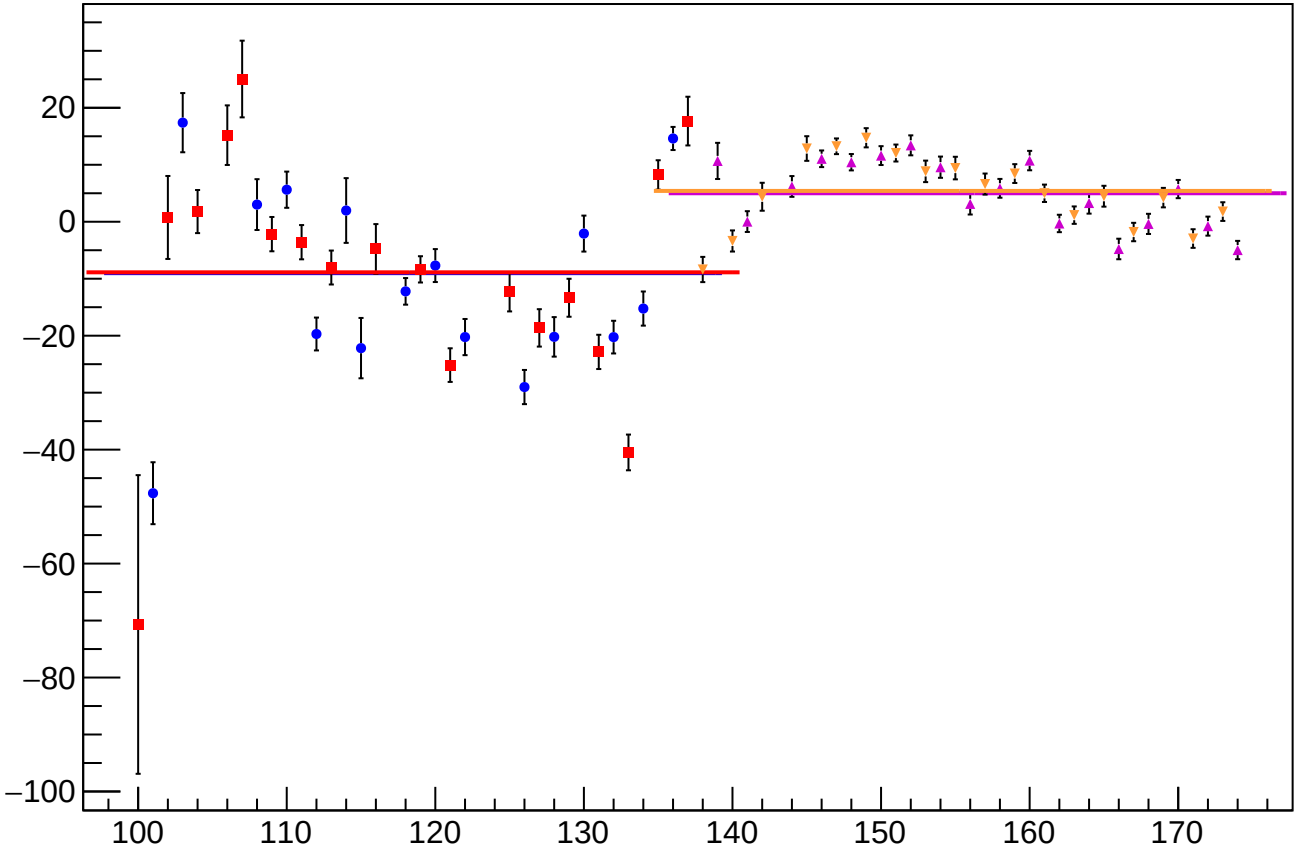
Right: -115.855+/-0.537 χ^2/NDF: 3012.4/33

In: -78.057+/-0.407 χ^2/NDF:5673.4/33

Out: -76.112+/-0.416 χ^2/NDF:5749.9/35

All: -77.105+/-0.291 χ^2/NDF: 11434.5/69

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -9.022+/-0.796 χ^2/NDF: 358.0/15

Left Out: 5.410+/-0.407 χ^2/NDF:227.1/17

Right Out: -8.878+/-0.810 χ^2/NDF: 318.7/17

Left In: 5.001+/-0.405 χ^2/NDF:202.3/17

Left: 5.204+/-0.287 χ^2/NDF: 429.9/35

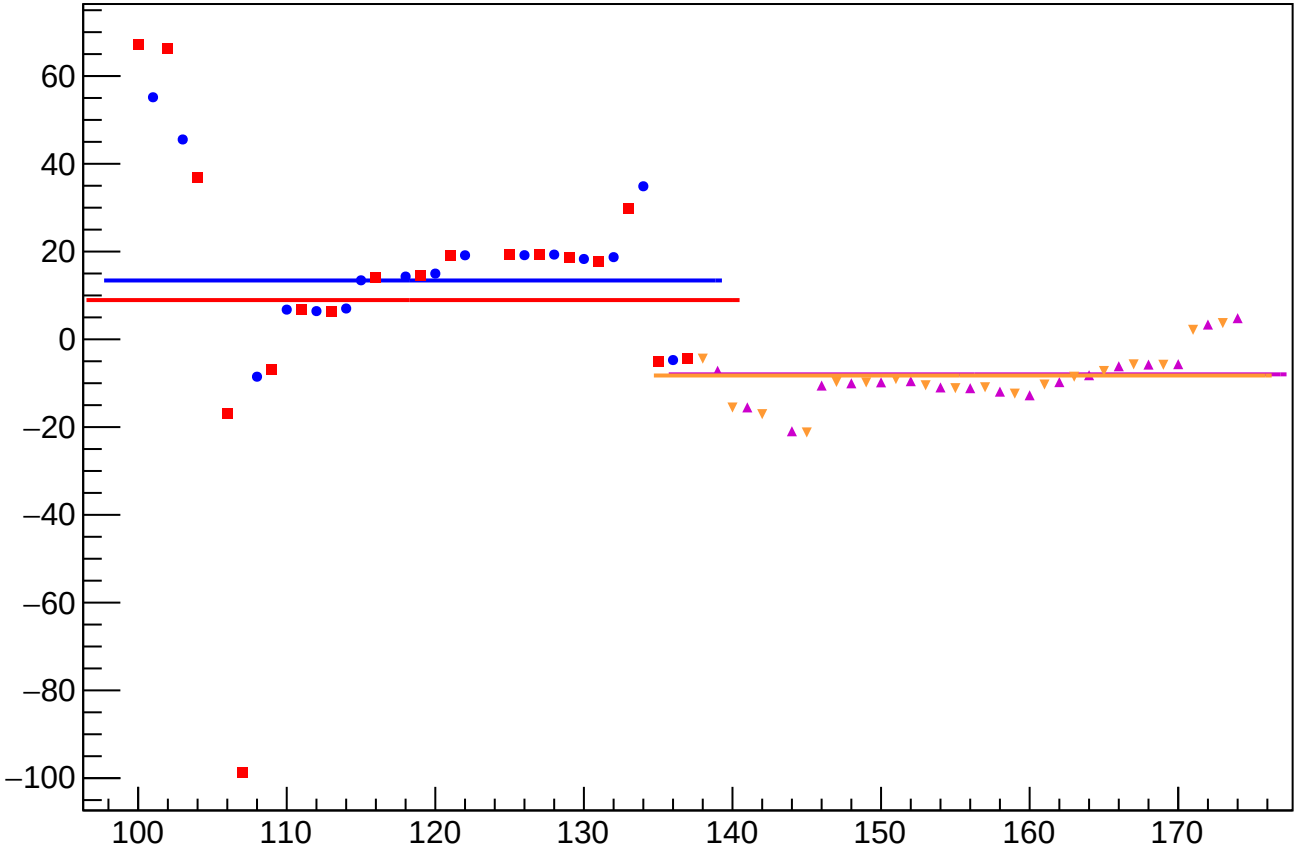
Right: -8.951+/-0.568 χ^2/NDF: 676.8/33

In: 2.119+/-0.361 χ^2/NDF:807.1/33

Out: 2.530+/-0.364 χ^2/NDF:793.9/35

All: 2.323+/-0.256 χ^2/NDF: 1601.6/69

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 13.412+/-0.045 χ^2/NDF: 183707.4/15

Left Out: -8.243+/-0.018 χ^2/NDF:97941.6/17

Right Out: 8.943+/-0.047 χ^2/NDF: 291126.5/17

Left In: -7.980+/-0.018 χ^2/NDF:104864.0/17

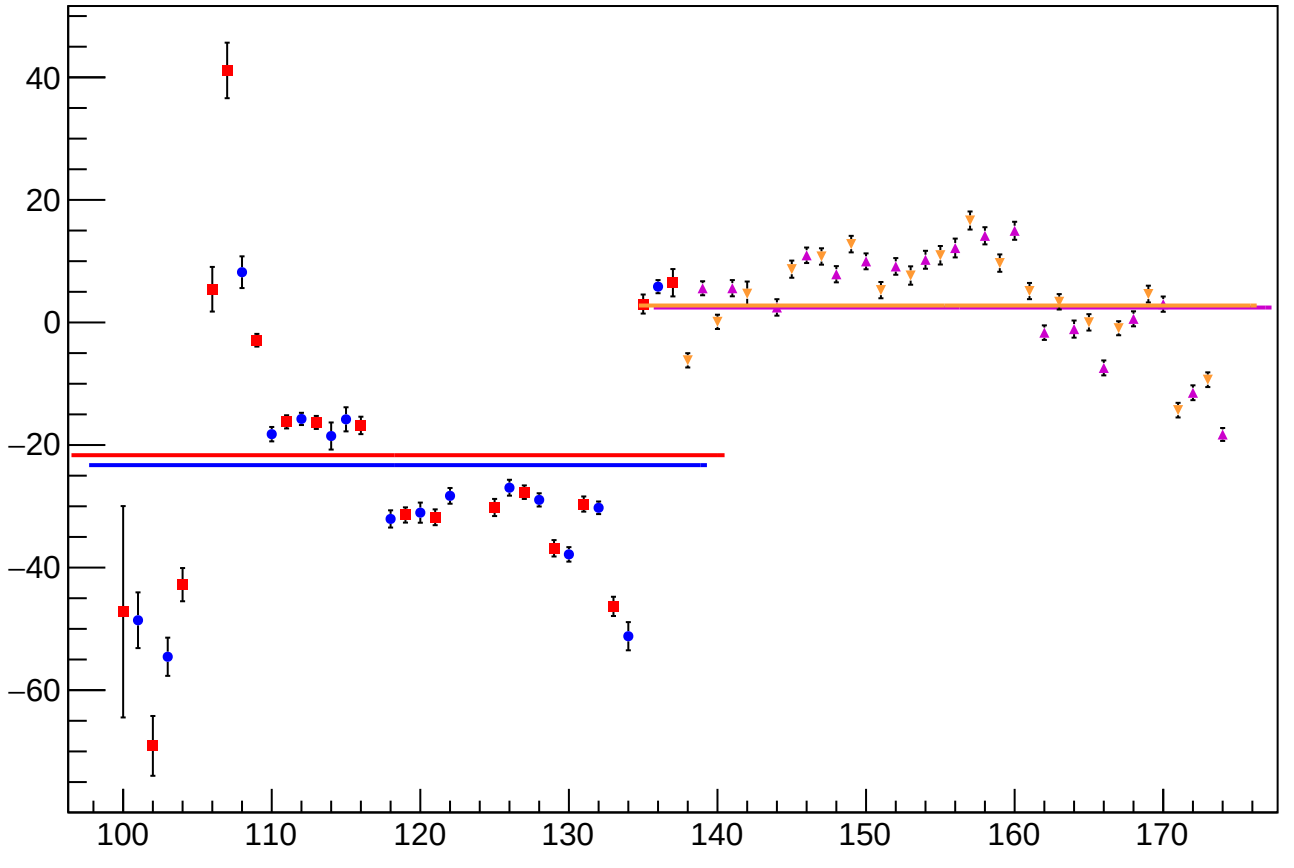
Left: -8.107+/-0.013 χ^2/NDF: 202911.9/35

Right: 11.280+/-0.033 χ^2/NDF: 479481.6/33

In: -5.119+/-0.017 χ^2/NDF:481895.7/33

Out: -6.004+/-0.017 χ^2/NDF:503406.7/35

All: -5.547+/-0.012 χ^2/NDF: 986685.4/69



Right In: -23.281+/-0.350 χ^2/NDF: 1567.9/15

Left Out: 2.766+/-0.313 χ^2/NDF:656.0/17

Right Out: -21.660+/-0.347 χ^2/NDF: 1813.6/17

Left In: 2.435+/-0.303 χ^2/NDF:947.8/17

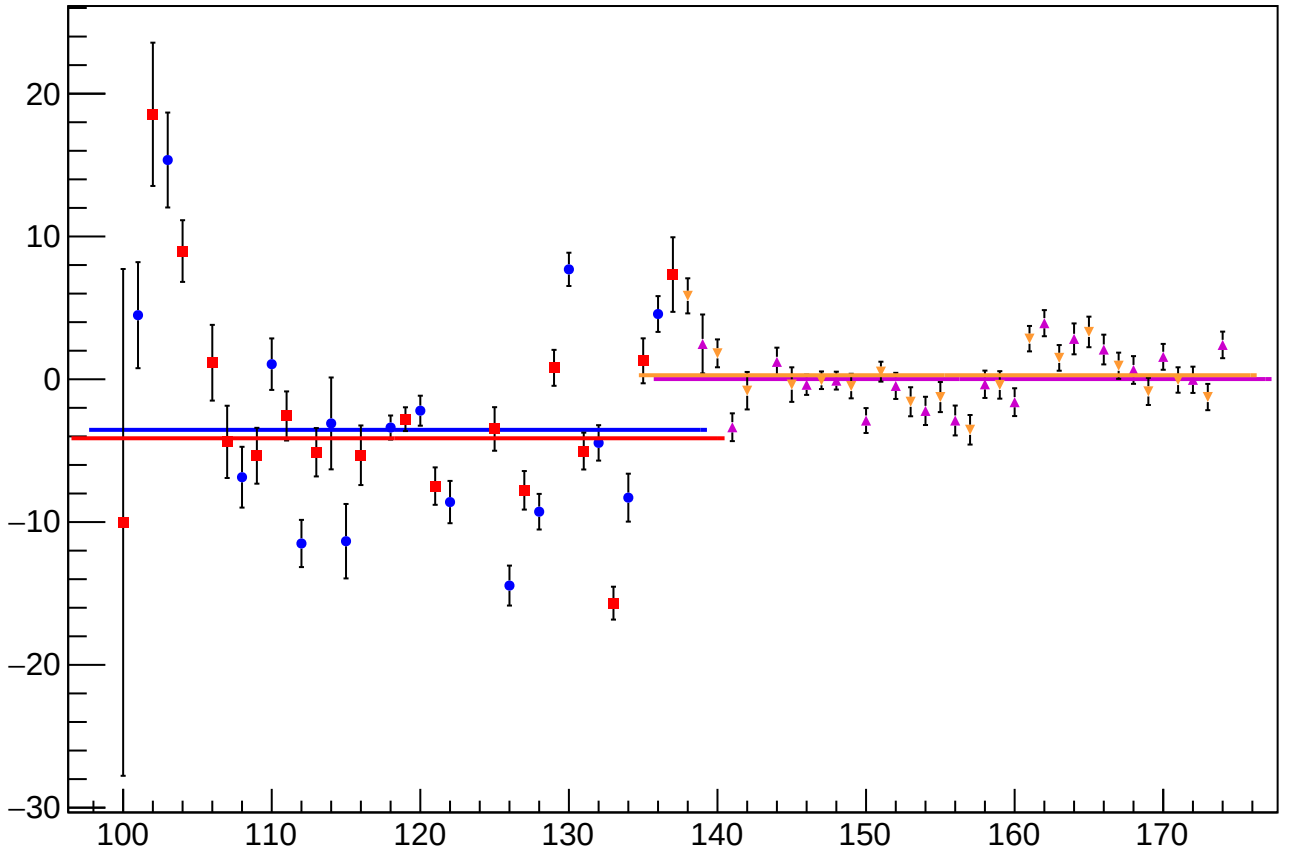
Left: 2.595+/-0.218 χ^2/NDF: 1604.4/35

Right: -22.463+/-0.247 χ^2/NDF: 3392.3/33

In: -8.580+/-0.229 χ^2/NDF:5594.9/33

Out: -8.183+/-0.233 χ^2/NDF:5198.4/35

All: -8.384+/-0.163 χ^2/NDF: 10794.7/69



Right In: -3.541+/-0.363 χ^2/NDF: 316.8/15

Left Out: 0.283+/-0.218 χ^2/NDF:67.7/17

Right Out: -4.132+/-0.371 χ^2/NDF: 227.4/17

Left In: 0.015+/-0.218 χ^2/NDF:81.3/17

Left: 0.149+/-0.154 χ^2/NDF: 149.7/35

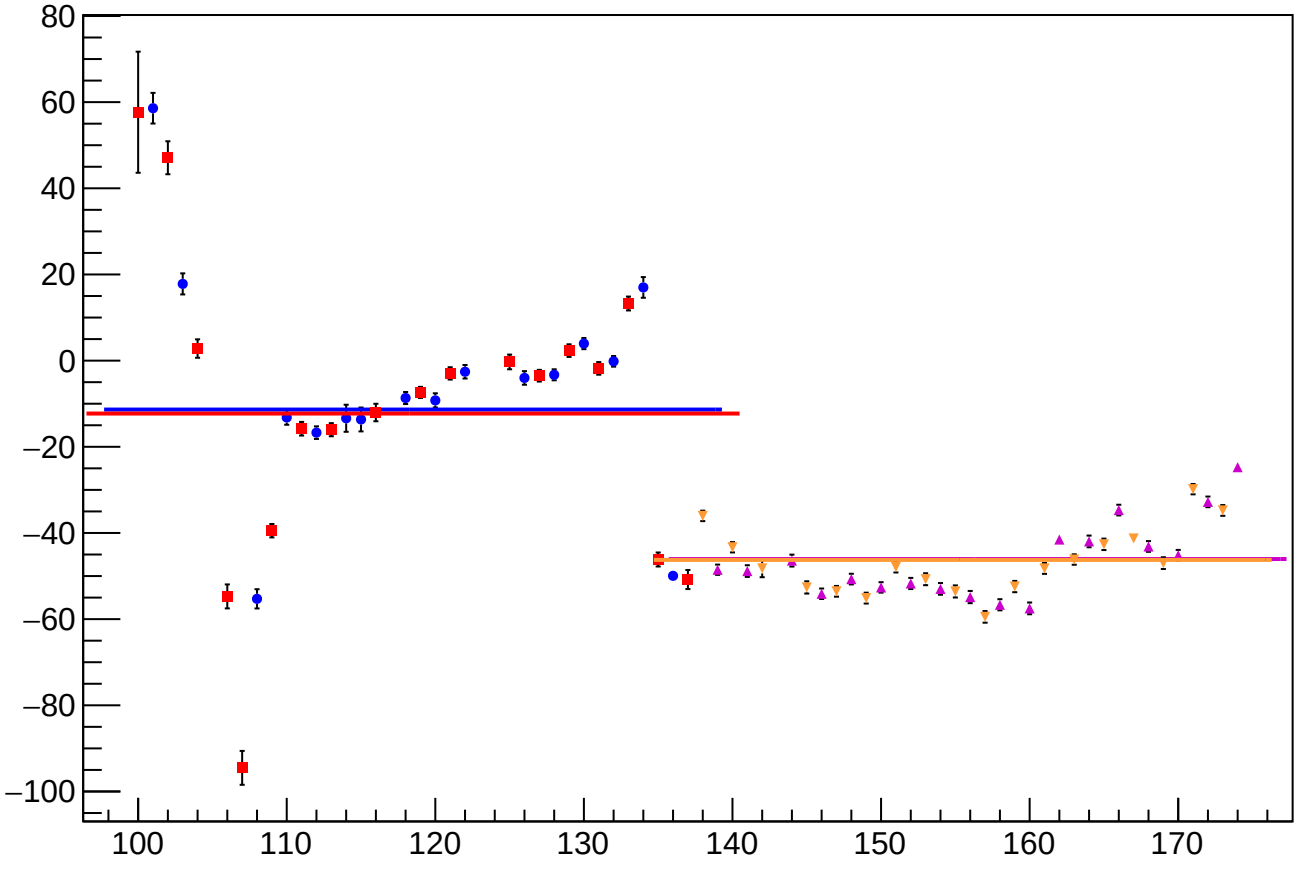
Right: -3.830+/-0.259 χ^2/NDF: 545.5/33

In: -0.930+/-0.187 χ^2/NDF:468.7/33

Out: -0.853+/-0.188 χ^2/NDF:400.5/35

All: -0.892+/-0.133 χ^2/NDF: 869.3/69

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.355+/-0.406 χ^2/NDF: 2661.6/15

Left Out: -46.250+/-0.307 χ^2/NDF:637.9/17

Right Out: -12.281+/-0.413 χ^2/NDF: 2590.4/17

Left In: -46.046+/-0.298 χ^2/NDF:896.3/17

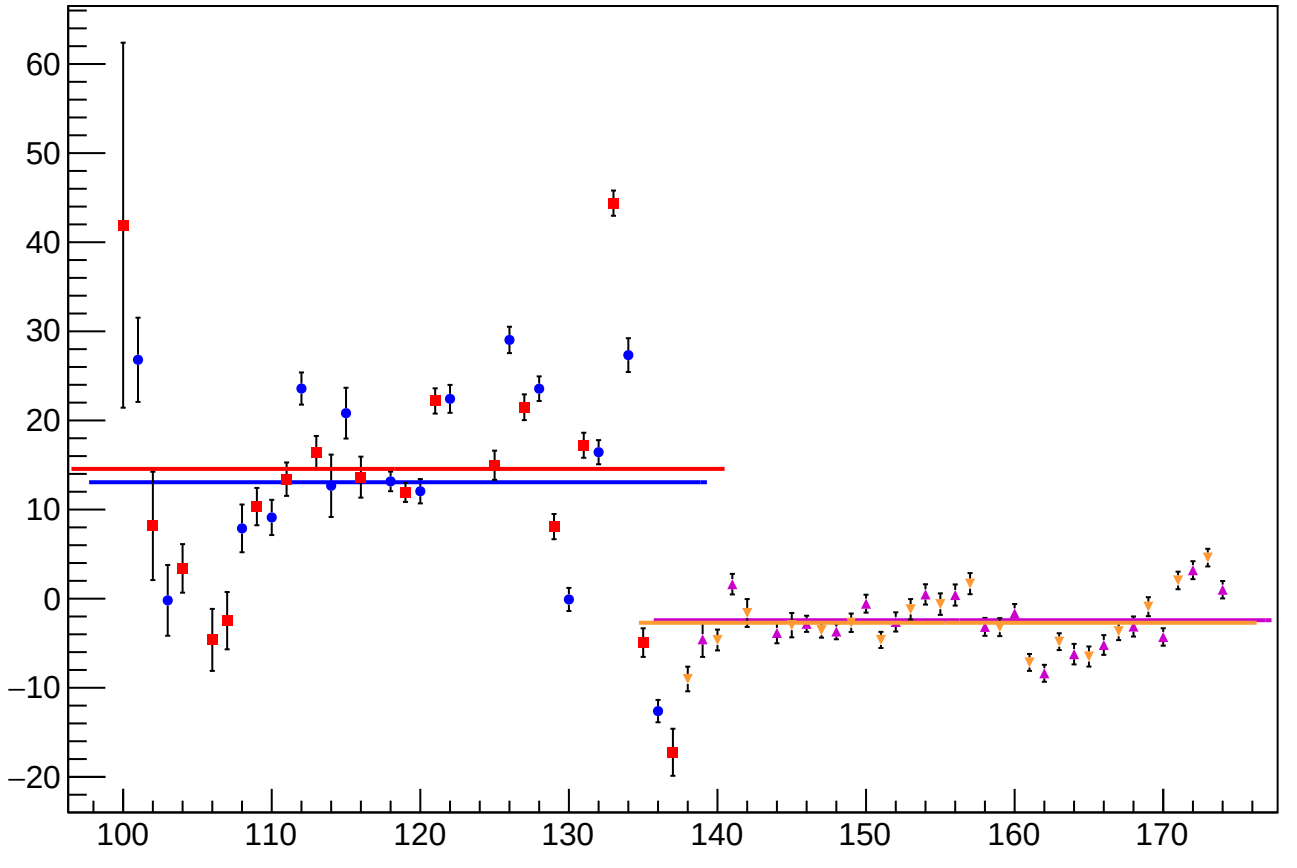
Left: -46.145+/-0.214 χ^2/NDF: 1534.4/35

Right: -11.809+/-0.289 χ^2/NDF: 5254.6/33

In: -33.863+/-0.240 χ^2/NDF:8302.5/33

Out: -34.174+/-0.246 χ^2/NDF:7585.2/35

All: -34.015+/-0.172 χ^2/NDF: 15888.4/69



Right In: 13.066+/-0.415 χ^2/NDF: 863.4/15

Left Out: -2.703+/-0.251 χ^2/NDF:168.4/17

Right Out: 14.563+/-0.423 χ^2/NDF: 903.1/17

Left In: -2.418+/-0.250 χ^2/NDF:138.0/17

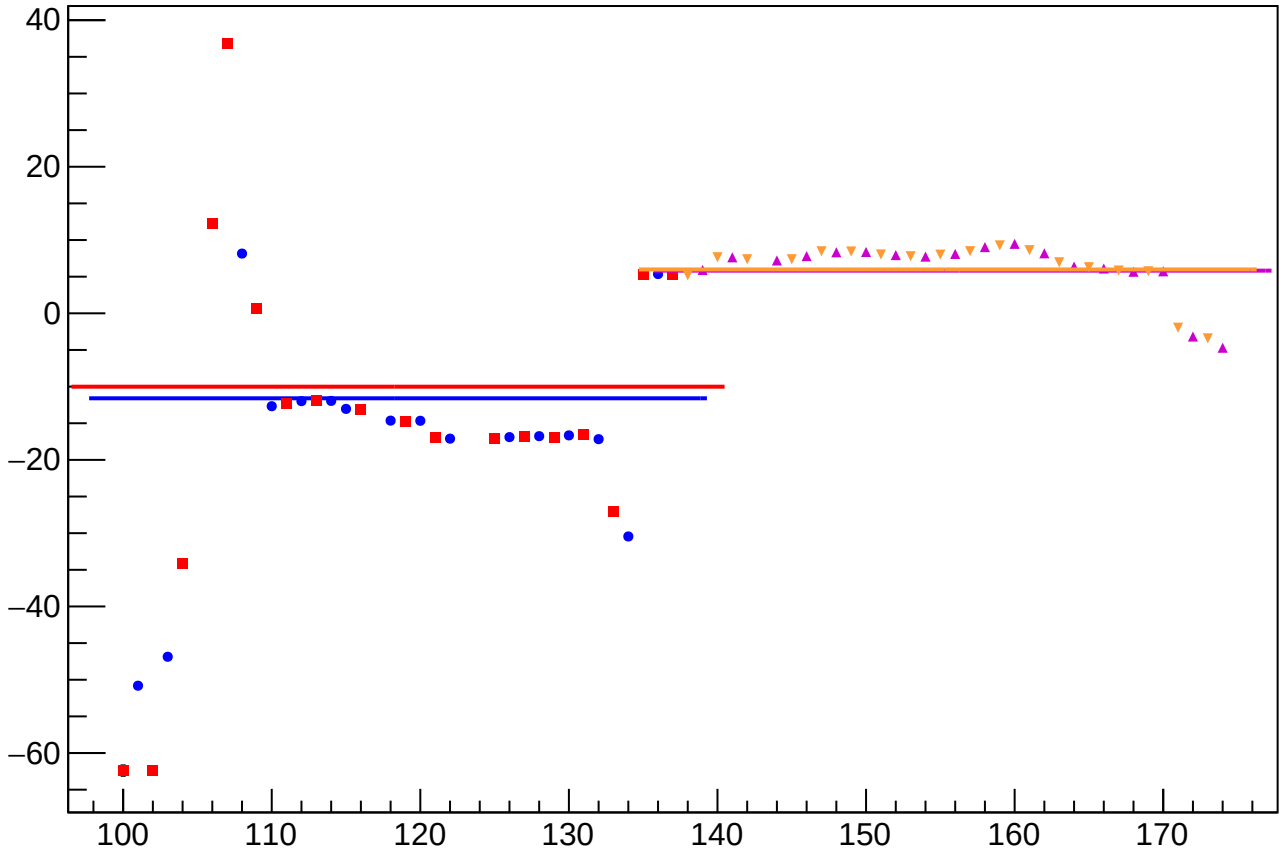
Left: -2.560+/-0.177 χ^2/NDF: 306.9/35

Right: 13.801+/-0.296 χ^2/NDF: 1772.9/33

In: 1.700+/-0.214 χ^2/NDF:2024.6/33

Out: 1.805+/-0.216 χ^2/NDF:2305.5/35

All: 1.752+/-0.152 χ^2/NDF: 4330.2/69



Right In: -11.596+/-0.026 χ^2/NDF: 360523.2/15

Left Out: 5.985+/-0.011 χ^2/NDF:108694.4/17

Right Out: -10.012+/-0.027 χ^2/NDF: 396286.9/17

Left In: 5.822+/-0.011 χ^2/NDF:142040.0/17

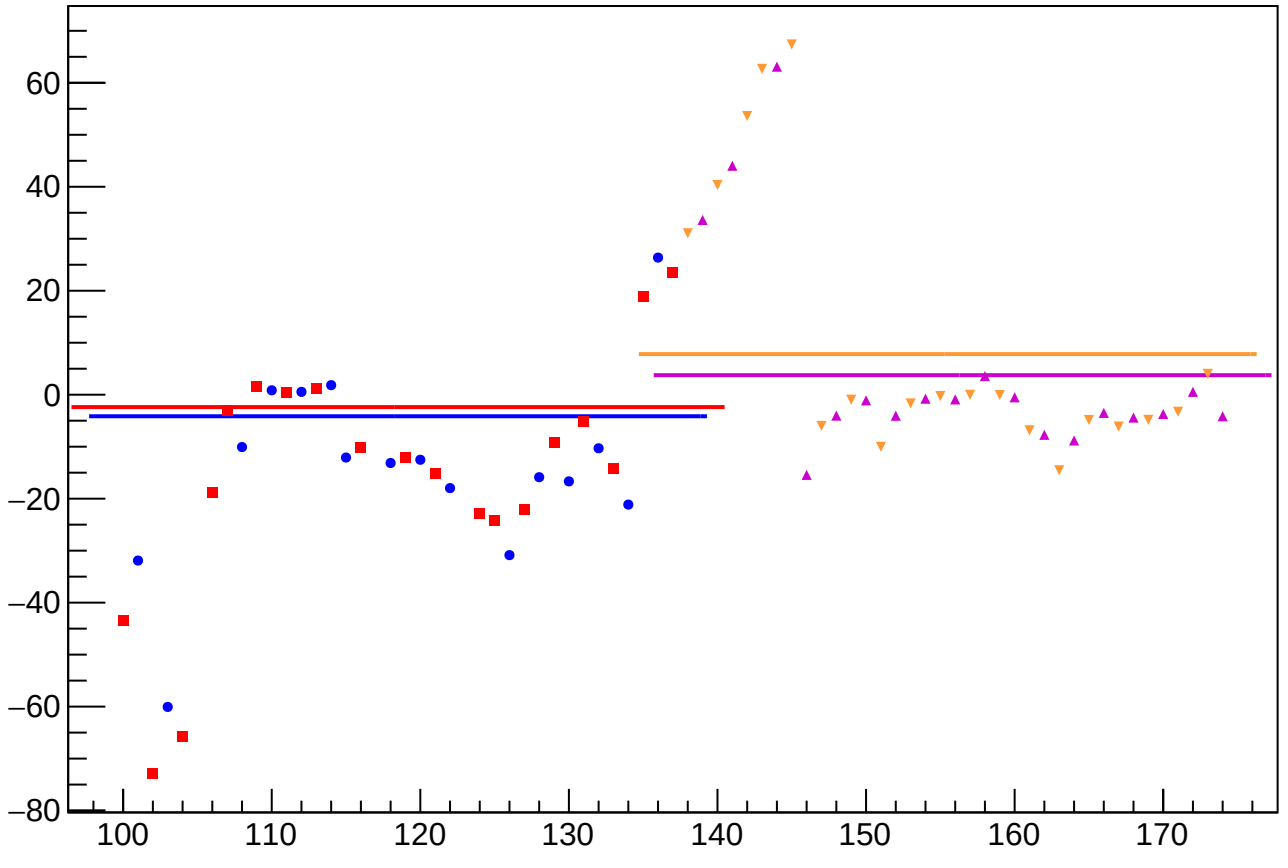
Left: 5.901+/-0.008 χ^2/NDF: 250840.5/35

Right: -10.837+/-0.019 χ^2/NDF: 758546.1/33

In: 3.232+/-0.010 χ^2/NDF:875687.5/33

Out: 3.655+/-0.010 χ^2/NDF:795228.3/35

All: 3.437+/-0.007 χ^2/NDF: 1671755.7/69



Right In: -4.145+/-0.055 χ^2/NDF: 75262.7/15

Left Out: 7.810+/-0.055 χ^2/NDF:155202.2/18

Right Out: -2.382+/-0.046 χ^2/NDF: 80749.3/18

Left In: 3.759+/-0.050 χ^2/NDF:123127.0/17

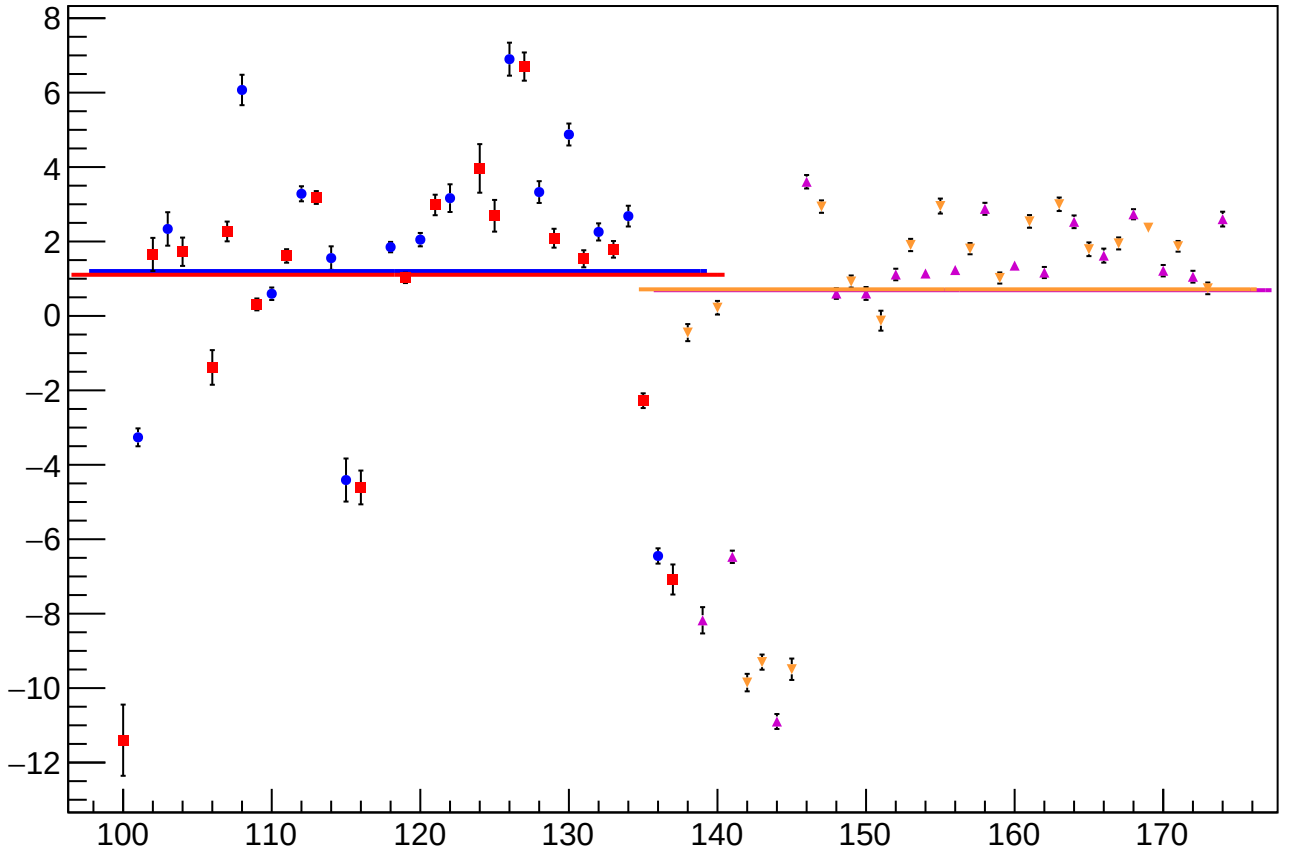
Left: 5.558+/-0.037 χ^2/NDF: 281294.8/36

Right: -3.115+/-0.035 χ^2/NDF: 156619.4/34

In: 0.193+/-0.037 χ^2/NDF:209856.7/33

Out: 1.786+/-0.035 χ^2/NDF:255906.5/37

All: 1.017+/-0.026 χ^2/NDF: 466736.2/71



Right In: 1.206+/-0.060 χ^2/NDF: 2584.4/15

Left Out: 0.714+/-0.040 χ^2/NDF:6736.1/18

Right Out: 1.106+/-0.057 χ^2/NDF: 1587.2/18

Left In: 0.691+/-0.036 χ^2/NDF:6821.9/17

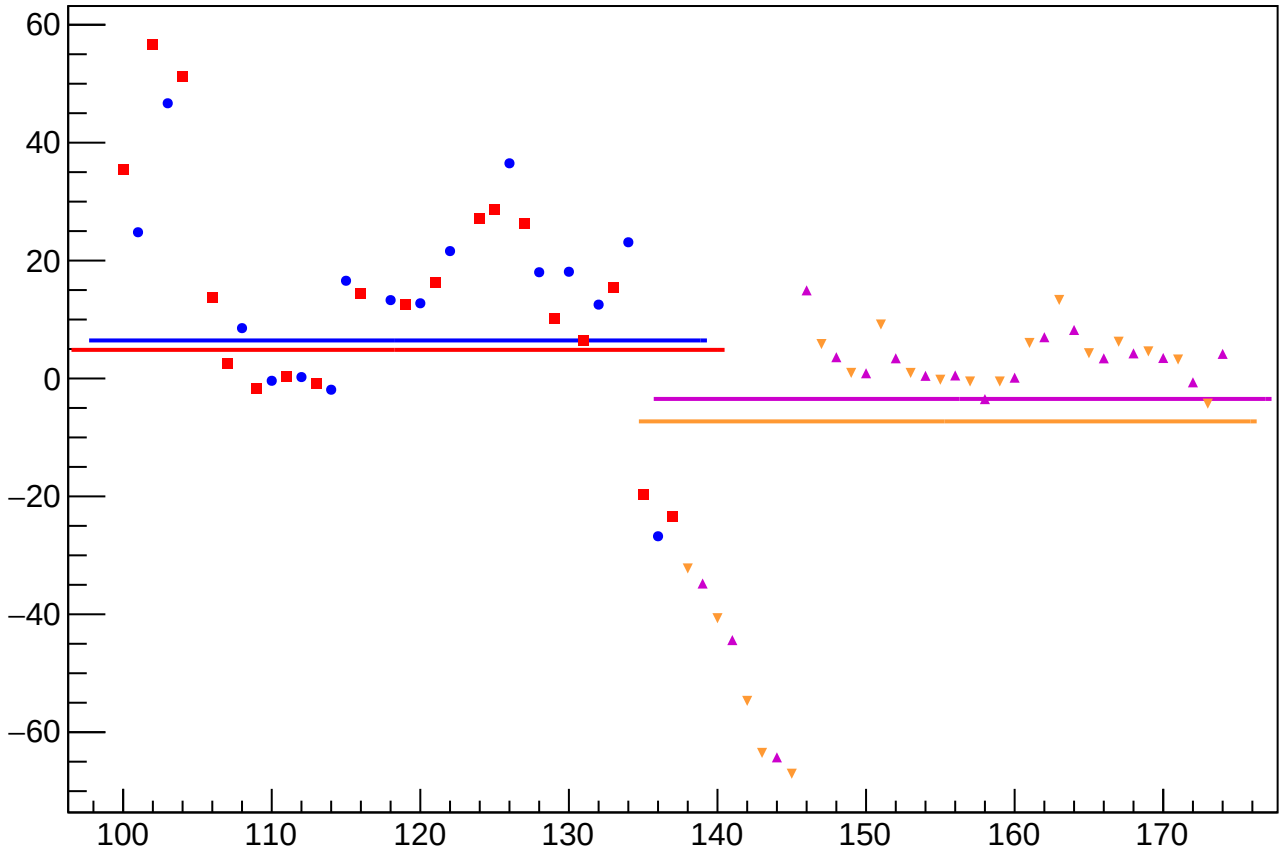
Left: 0.701+/-0.027 χ^2/NDF: 13558.2/36

Right: 1.153+/-0.042 χ^2/NDF: 4173.1/34

In: 0.826+/-0.031 χ^2/NDF:9460.0/33

Out: 0.844+/-0.033 χ^2/NDF:8354.6/37

All: 0.835+/-0.023 χ^2/NDF: 17814.7/71



Right In: 6.453+/-0.065 χ^2/NDF: 70671.1/15

Left Out: -7.277+/-0.055 χ^2/NDF:150835.3/18

Right Out: 4.854+/-0.059 χ^2/NDF: 75267.0/18

Left In: -3.468+/-0.048 χ^2/NDF:120360.1/17

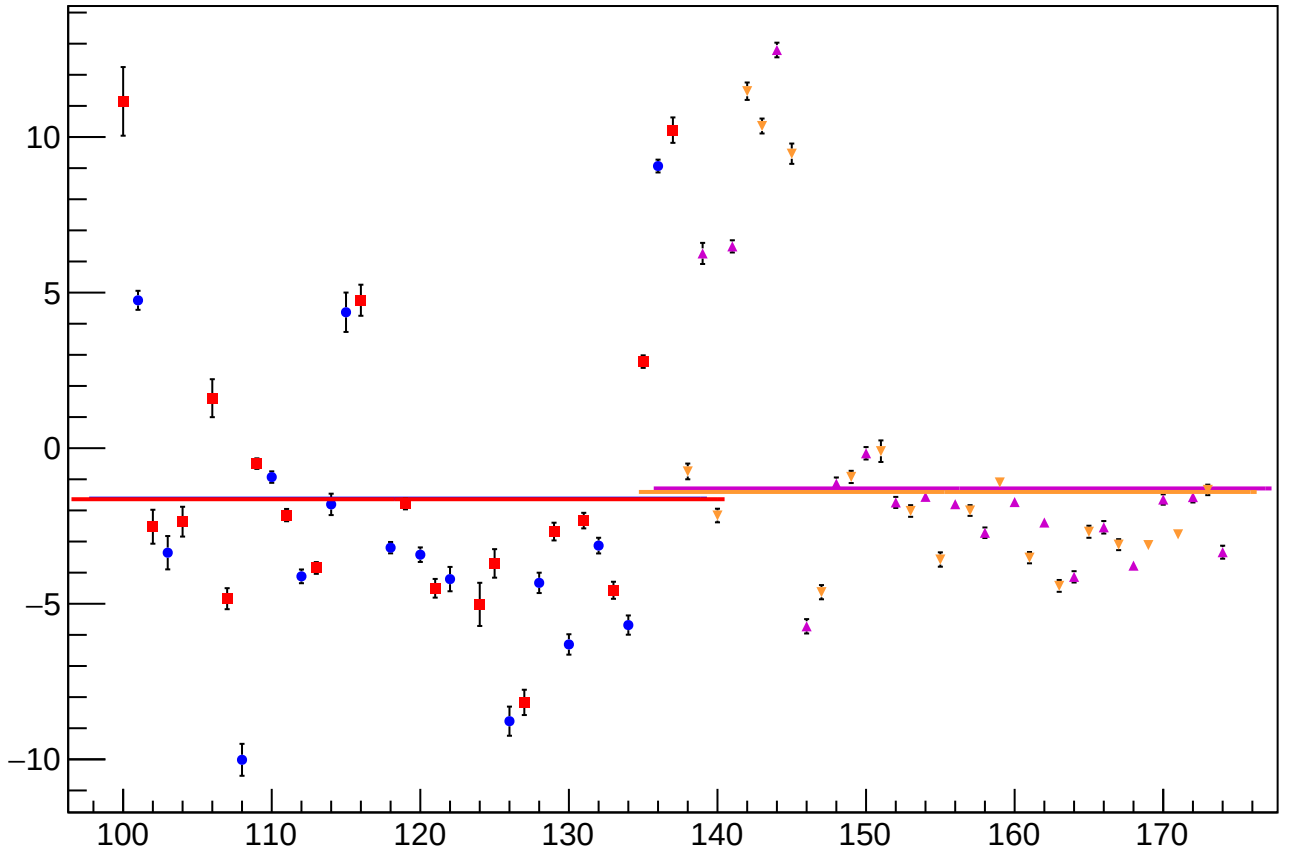
Left: -5.140+/-0.036 χ^2/NDF: 273931.4/36

Right: 5.576+/-0.044 χ^2/NDF: 146268.1/34

In: 0.041+/-0.039 χ^2/NDF:205988.6/33

Out: -1.701+/-0.040 χ^2/NDF:248827.7/37

All: -0.801+/-0.028 χ^2/NDF: 455792.2/71



Right In: -1.622+/-0.070 χ^2/NDF: 4525.3/15

Left Out: -1.407+/-0.045 χ^2/NDF:6708.9/18

Right Out: -1.640+/-0.065 χ^2/NDF: 2462.1/18

Left In: -1.294+/-0.041 χ^2/NDF:6836.7/17

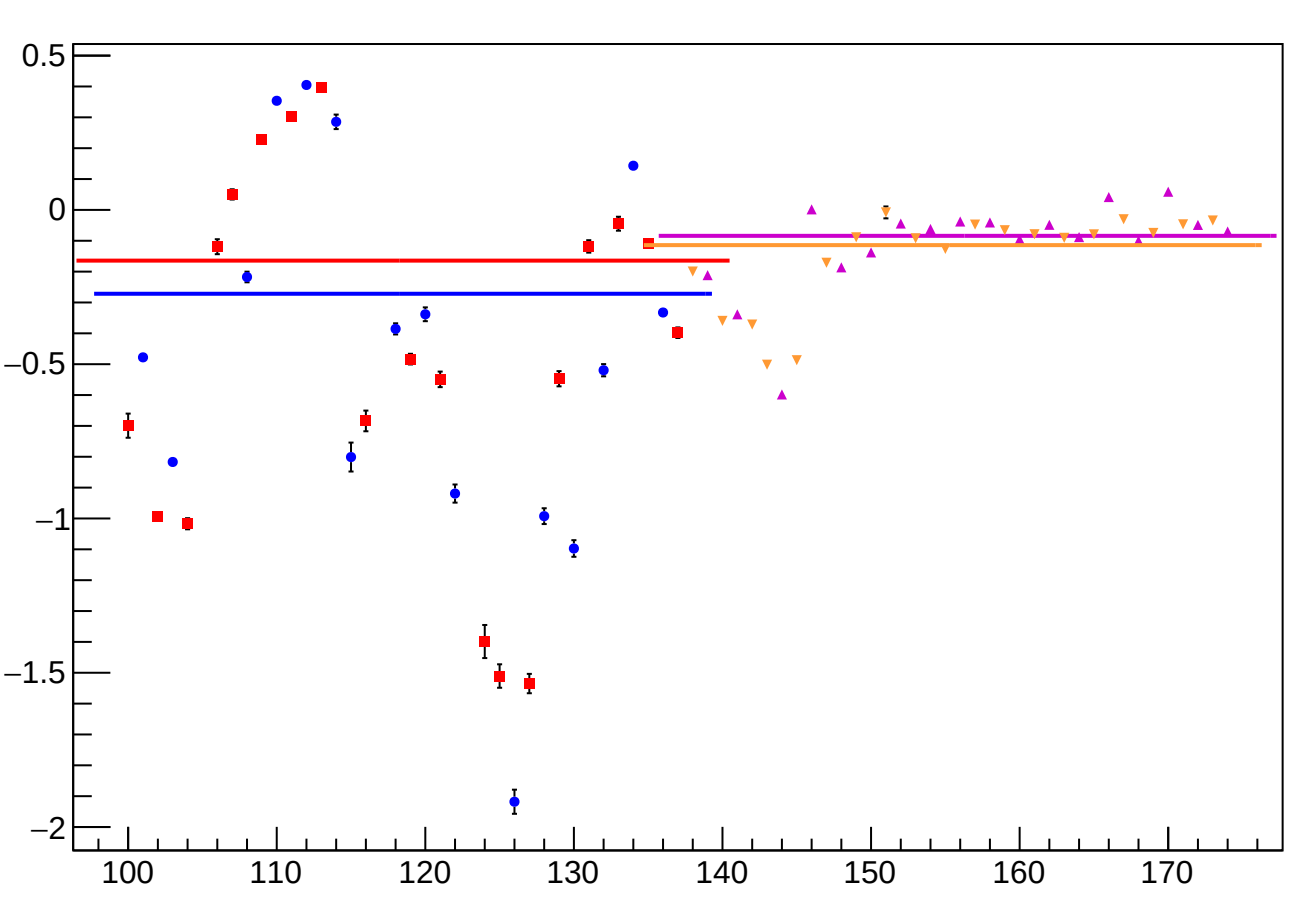
Left: -1.344+/-0.030 χ^2/NDF: 13549.0/36

Right: -1.632+/-0.047 χ^2/NDF: 6987.4/34

In: -1.377+/-0.035 χ^2/NDF:11378.5/33

Out: -1.484+/-0.037 χ^2/NDF:9179.8/37

All: -1.427+/-0.025 χ^2/NDF: 20562.7/71



Right In: -0.272+/-0.004 χ^2/NDF: 12048.2/15

Left Out: -0.114+/-0.002 χ^2/NDF:3458.1/18

Right Out: -0.164+/-0.004 χ^2/NDF: 15497.0/18

Left In: -0.084+/-0.002 χ^2/NDF:3685.7/17

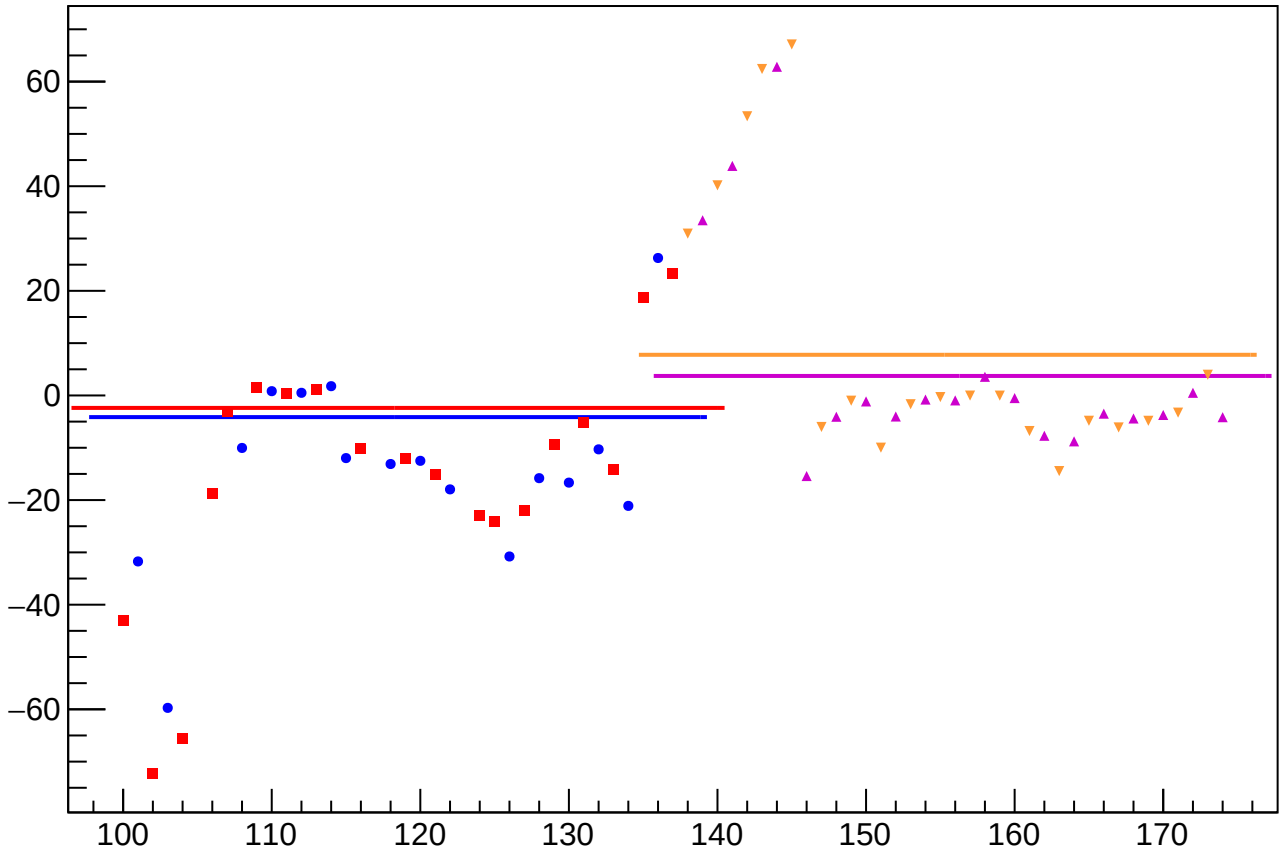
Left: -0.097+/-0.001 χ^2/NDF: 7275.1/36

Right: -0.213+/-0.003 χ^2/NDF: 27909.3/34

In: -0.112+/-0.002 χ^2/NDF:17476.7/33

Out: -0.125+/-0.002 χ^2/NDF:19092.3/37

All: -0.118+/-0.001 χ^2/NDF: 36601.0/71



Right In: -4.139+/-0.054 χ^2/NDF: 75240.1/15

Left Out: 7.773+/-0.055 χ^2/NDF:154952.6/18

Right Out: -2.380+/-0.046 χ^2/NDF: 80668.5/18

Left In: 3.730+/-0.049 χ^2/NDF:123016.0/17

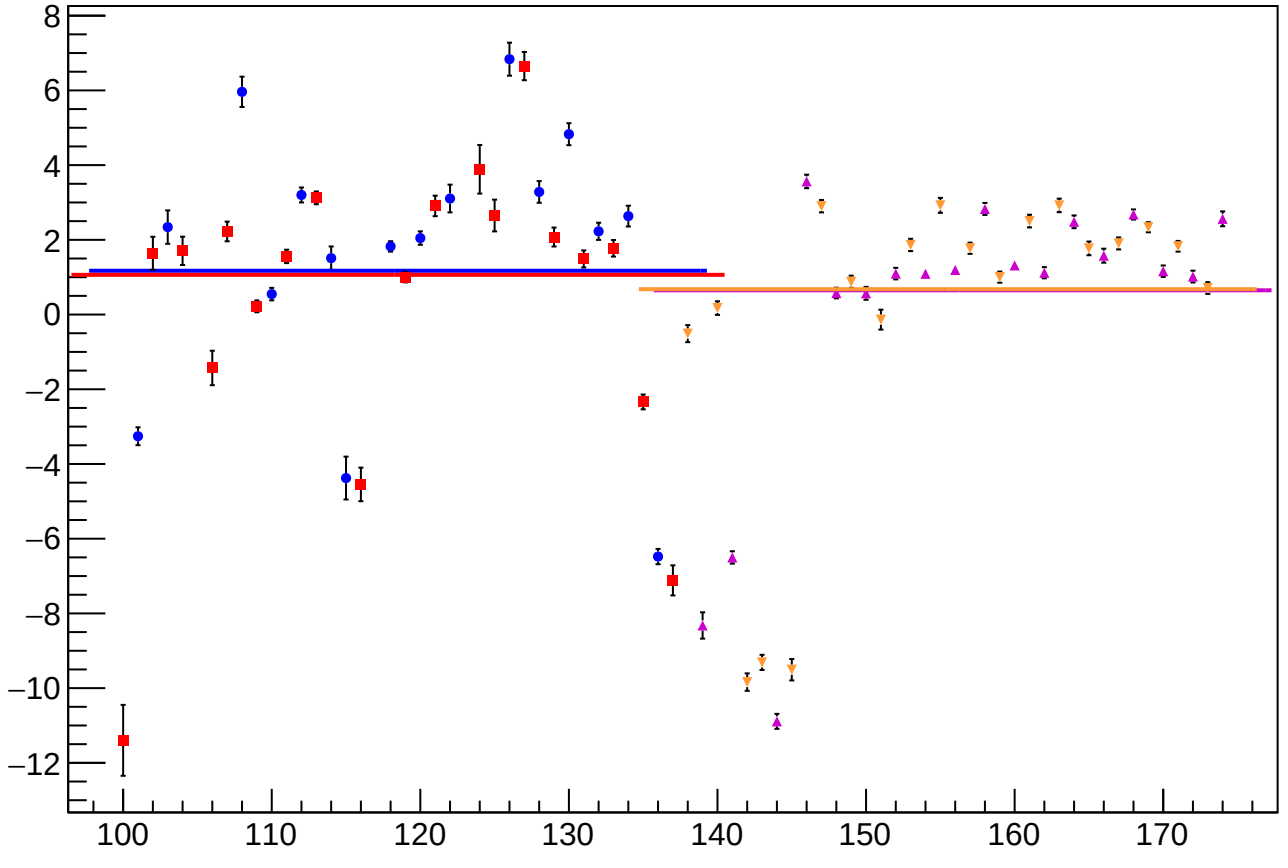
Left: 5.526+/-0.037 χ^2/NDF: 280939.9/36

Right: -3.111+/-0.035 χ^2/NDF: 156520.4/34

In: 0.166+/-0.037 χ^2/NDF:209726.0/33

Out: 1.755+/-0.035 χ^2/NDF:255601.4/37

All: 0.989+/-0.025 χ^2/NDF: 466305.0/71



Right In: 1.172+/-0.060 χ^2/NDF: 2584.5/15

Left Out: 0.679+/-0.040 χ^2/NDF:6740.0/18

Right Out: 1.063+/-0.057 χ^2/NDF: 1596.5/18

Left In: 0.649+/-0.036 χ^2/NDF:6838.3/17

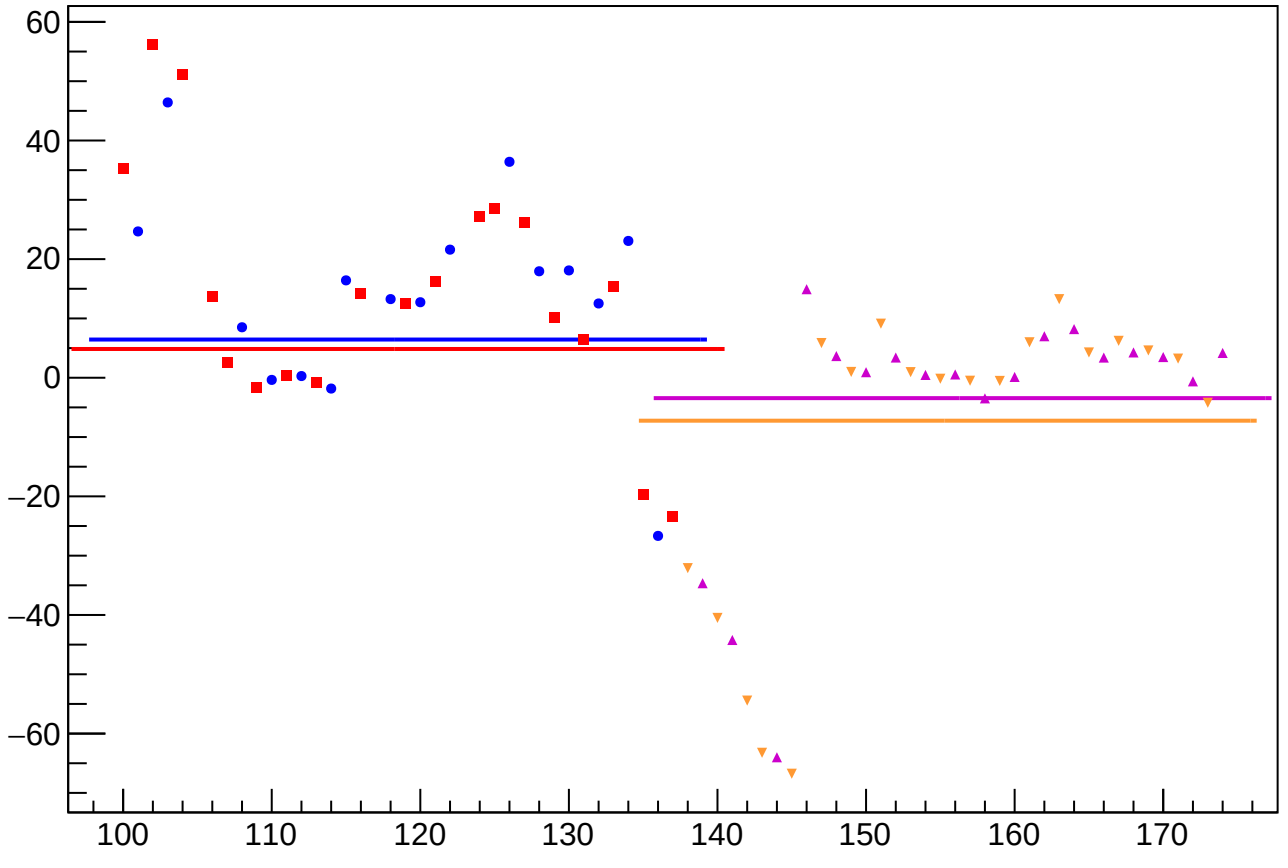
Left: 0.662+/-0.027 χ^2/NDF: 13578.6/36

Right: 1.115+/-0.041 χ^2/NDF: 4182.7/34

In: 0.787+/-0.031 χ^2/NDF:9478.6/33

Out: 0.807+/-0.033 χ^2/NDF:8366.9/37

All: 0.796+/-0.022 χ^2/NDF: 17845.6/71



Right In: 6.442+/-0.065 χ^2/NDF: 70630.3/15

Left Out: -7.242+/-0.054 χ^2/NDF:150592.2/18

Right Out: 4.848+/-0.059 χ^2/NDF: 75159.9/18

Left In: -3.439+/-0.048 χ^2/NDF:120246.8/17

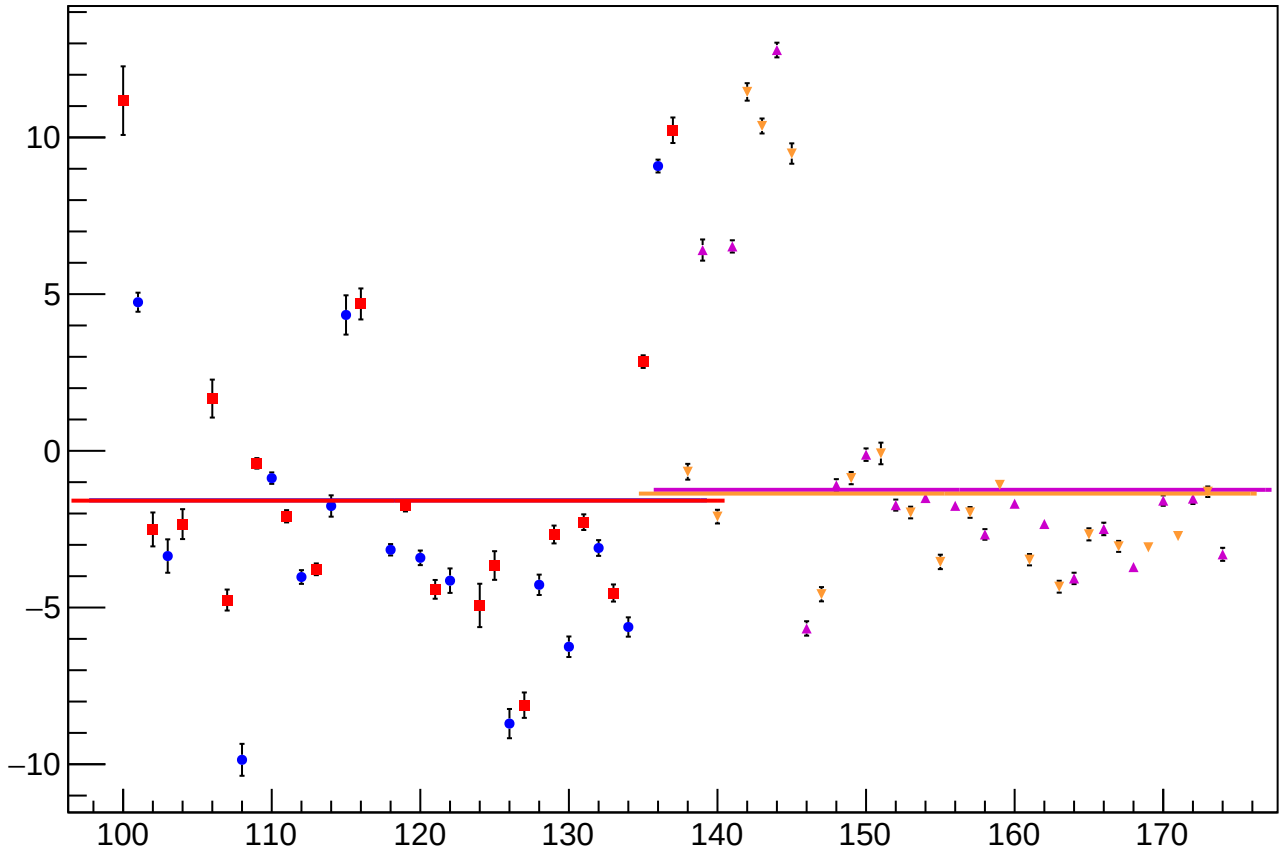
Left: -5.109+/-0.036 χ^2/NDF: 273580.7/36

Right: 5.568+/-0.044 χ^2/NDF: 146121.3/34

In: 0.069+/-0.039 χ^2/NDF:205849.8/33

Out: -1.669+/-0.040 χ^2/NDF:248526.2/37

All: -0.772+/-0.028 χ^2/NDF: 455354.5/71



Right In: -1.580+/-0.069 χ^2/NDF: 4524.3/15

Left Out: -1.365+/-0.045 χ^2/NDF:6707.6/18

Right Out: -1.589+/-0.064 χ^2/NDF: 2472.2/18

Left In: -1.244+/-0.040 χ^2/NDF:6851.4/17

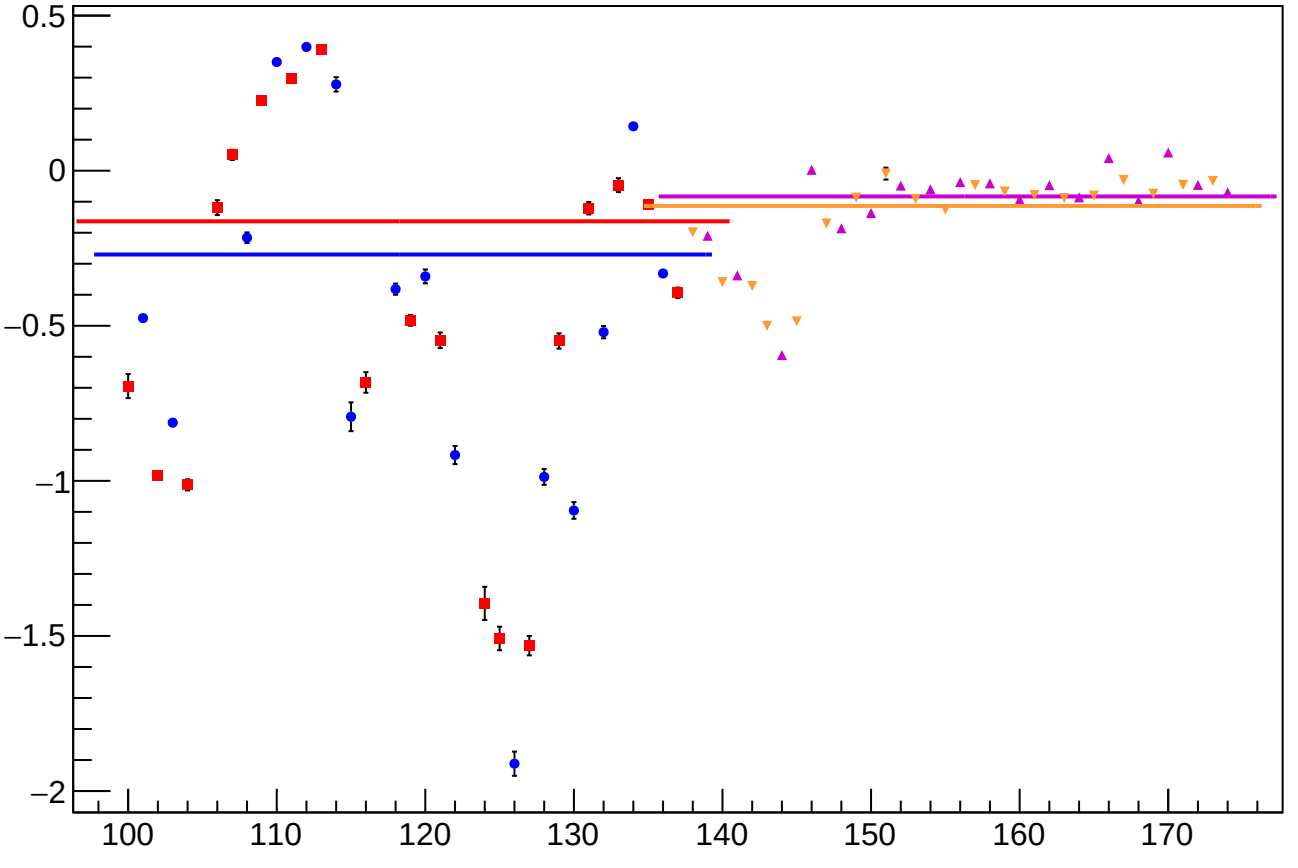
Left: -1.298+/-0.030 χ^2/NDF: 13562.9/36

Right: -1.585+/-0.047 χ^2/NDF: 6996.4/34

In: -1.330+/-0.035 χ^2/NDF:11393.2/33

Out: -1.439+/-0.037 χ^2/NDF:9187.9/37

All: -1.381+/-0.025 χ^2/NDF: 20585.8/71



Right In: -0.270+/-0.004 χ^2/NDF: 12036.3/15

Left Out: -0.114+/-0.002 χ^2/NDF:3473.9/18

Right Out: -0.163+/-0.004 χ^2/NDF: 15510.0/18

Left In: -0.083+/-0.002 χ^2/NDF:3669.8/17

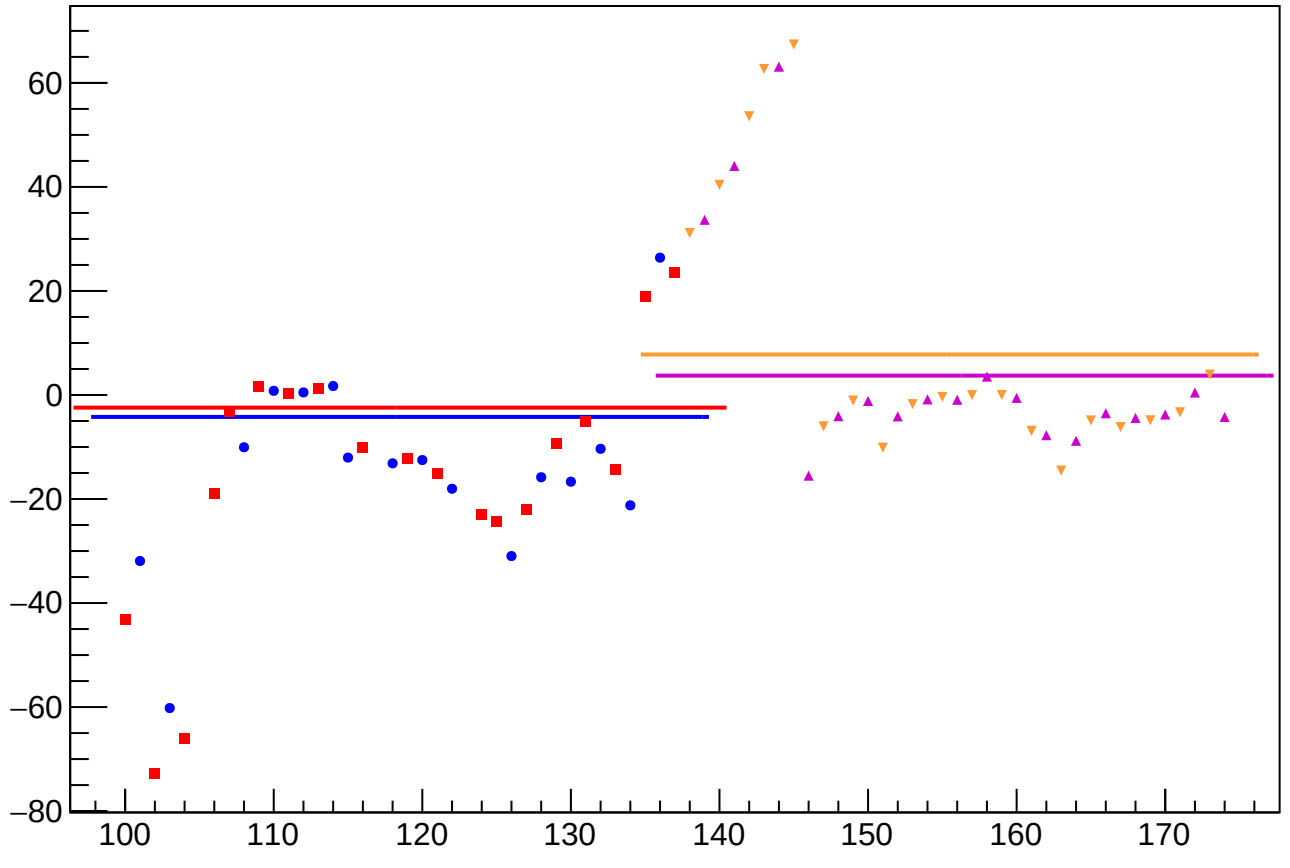
Left: -0.096+/-0.001 χ^2/NDF: 7279.4/36

Right: -0.212+/-0.003 χ^2/NDF: 27912.3/34

In: -0.111+/-0.002 χ^2/NDF:17457.0/33

Out: -0.124+/-0.002 χ^2/NDF:19119.0/37

All: -0.117+/-0.001 χ^2/NDF: 36609.5/71



Right In: -4.214+/-0.055 χ^2/NDF: 75215.4/15

Left Out: 7.782+/-0.056 χ^2/NDF:155318.4/18

Right Out: -2.427+/-0.046 χ^2/NDF: 80724.5/18

Left In: 3.721+/-0.050 χ^2/NDF:123148.6/17

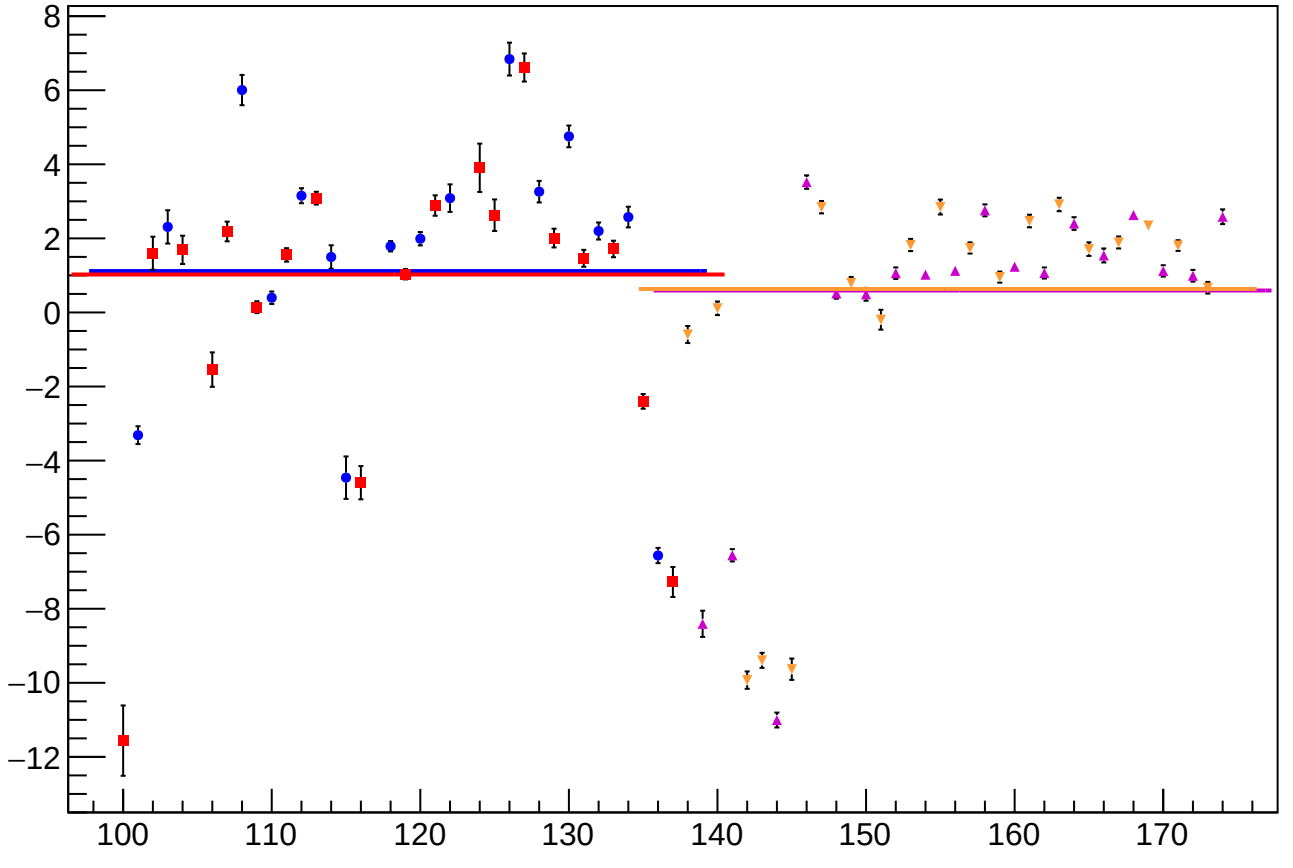
Left: 5.524+/-0.037 χ^2/NDF: 281441.0/36

Right: -3.171+/-0.035 χ^2/NDF: 156563.0/34

In: 0.140+/-0.037 χ^2/NDF:209907.6/33

Out: 1.747+/-0.036 χ^2/NDF:256027.6/37

All: 0.971+/-0.026 χ^2/NDF: 466924.6/71



Right In: 1.118+/-0.060 χ^2/NDF: 2591.7/15

Left Out: 0.634+/-0.040 χ^2/NDF:6762.0/18

Right Out: 1.025+/-0.057 χ^2/NDF: 1612.0/18

Left In: 0.592+/-0.036 χ^2/NDF:6825.0/17

Left: 0.611+/-0.027 χ^2/NDF: 13587.6/36

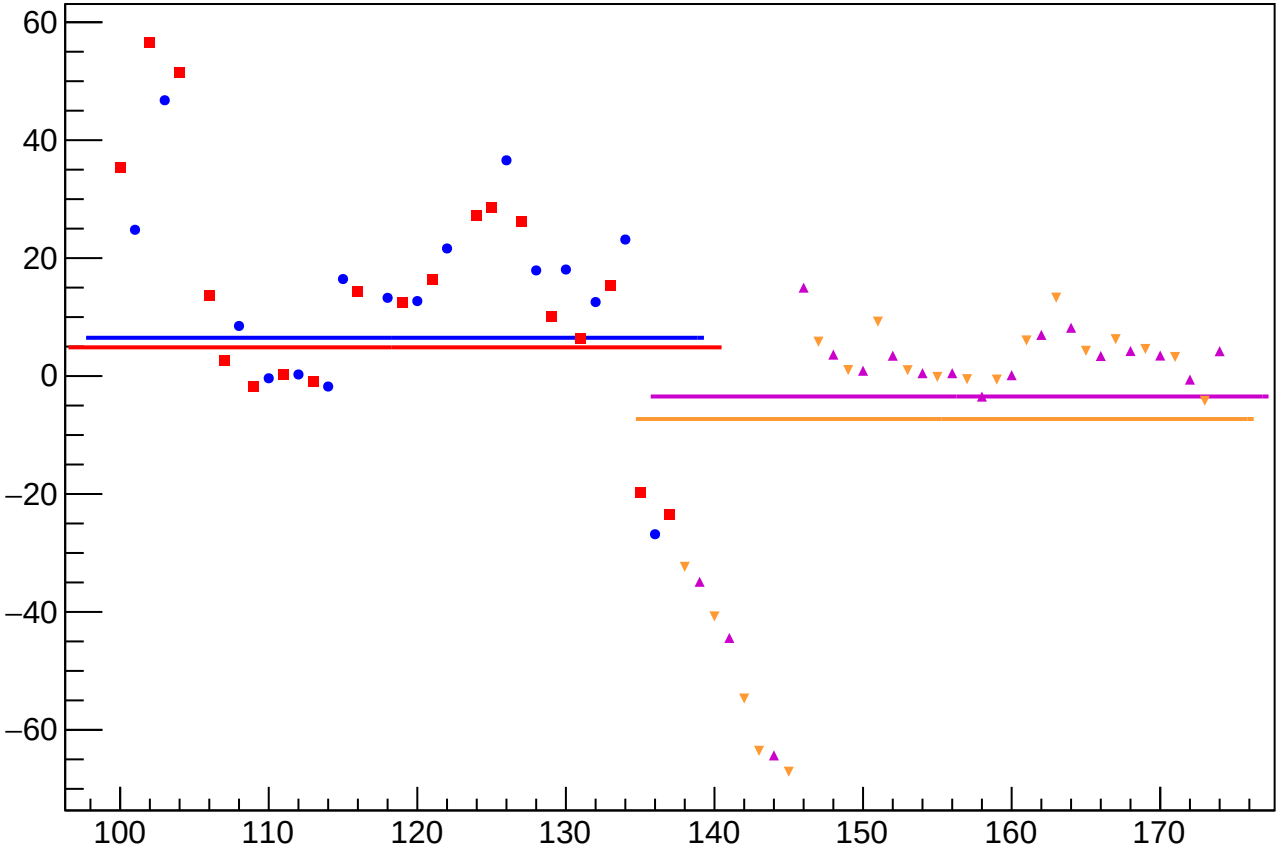
Right: 1.069+/-0.042 χ^2/NDF: 4205.0/34

In: 0.731+/-0.031 χ^2/NDF:9472.4/33

Out: 0.764+/-0.033 χ^2/NDF:8405.2/37

All: 0.746+/-0.023 χ^2/NDF: 17878.2/71

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.492+/-0.065 χ^2/NDF: 70623.9/15

Left Out: -7.283+/-0.055 χ^2/NDF:150961.6/18

Right Out: 4.869+/-0.059 χ^2/NDF: 75265.6/18

Left In: -3.466+/-0.048 χ^2/NDF:120388.1/17

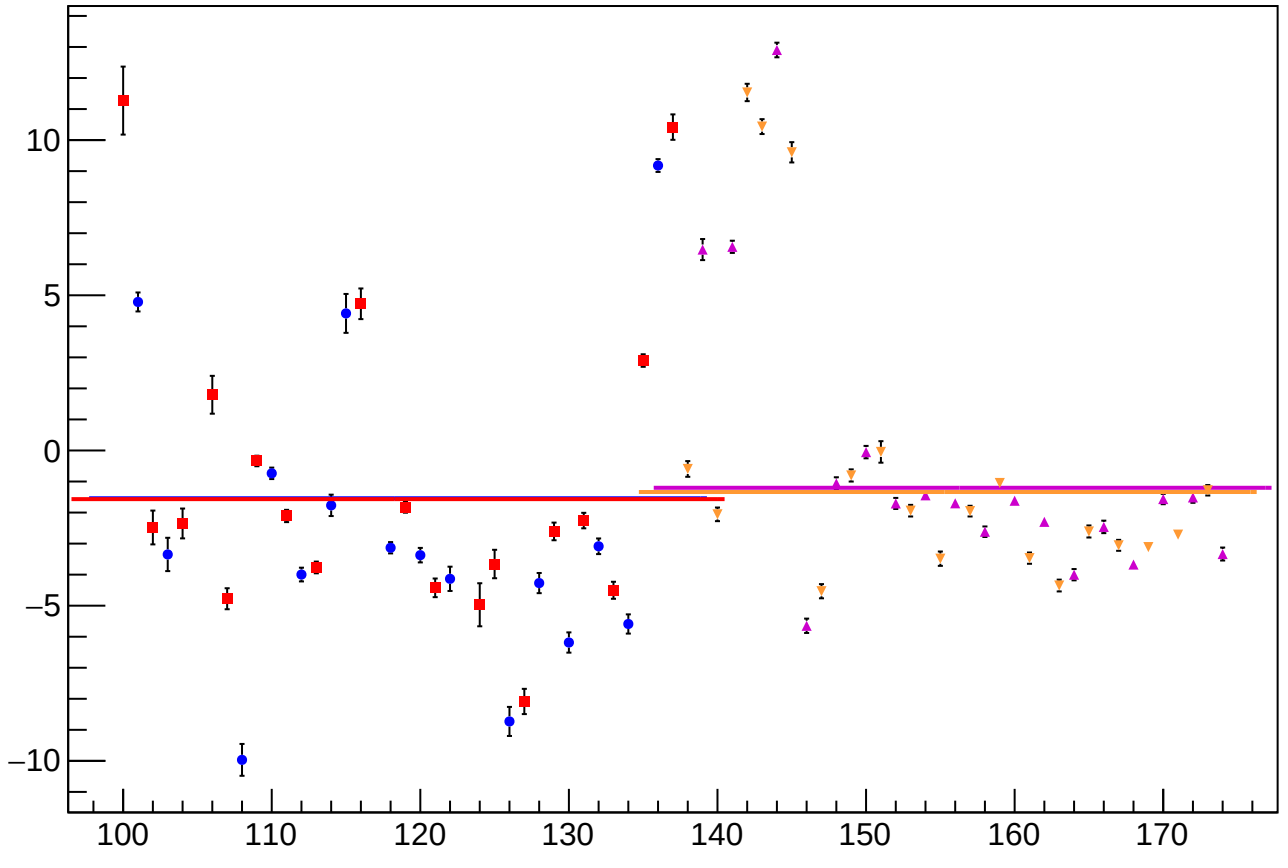
Left: -5.141+/-0.036 χ^2/NDF: 274091.6/36

Right: 5.602+/-0.044 χ^2/NDF: 146229.3/34

In: 0.060+/-0.039 χ^2/NDF:206067.8/33

Out: -1.696+/-0.040 χ^2/NDF:248991.6/37

All: -0.788+/-0.028 χ^2/NDF: 456048.2/71



Right In: -1.540+/-0.070 χ^2/NDF: 4535.9/15

Left Out: -1.338+/-0.045 χ^2/NDF:6732.6/18

Right Out: -1.567+/-0.065 χ^2/NDF: 2497.0/18

Left In: -1.202+/-0.041 χ^2/NDF:6842.4/17

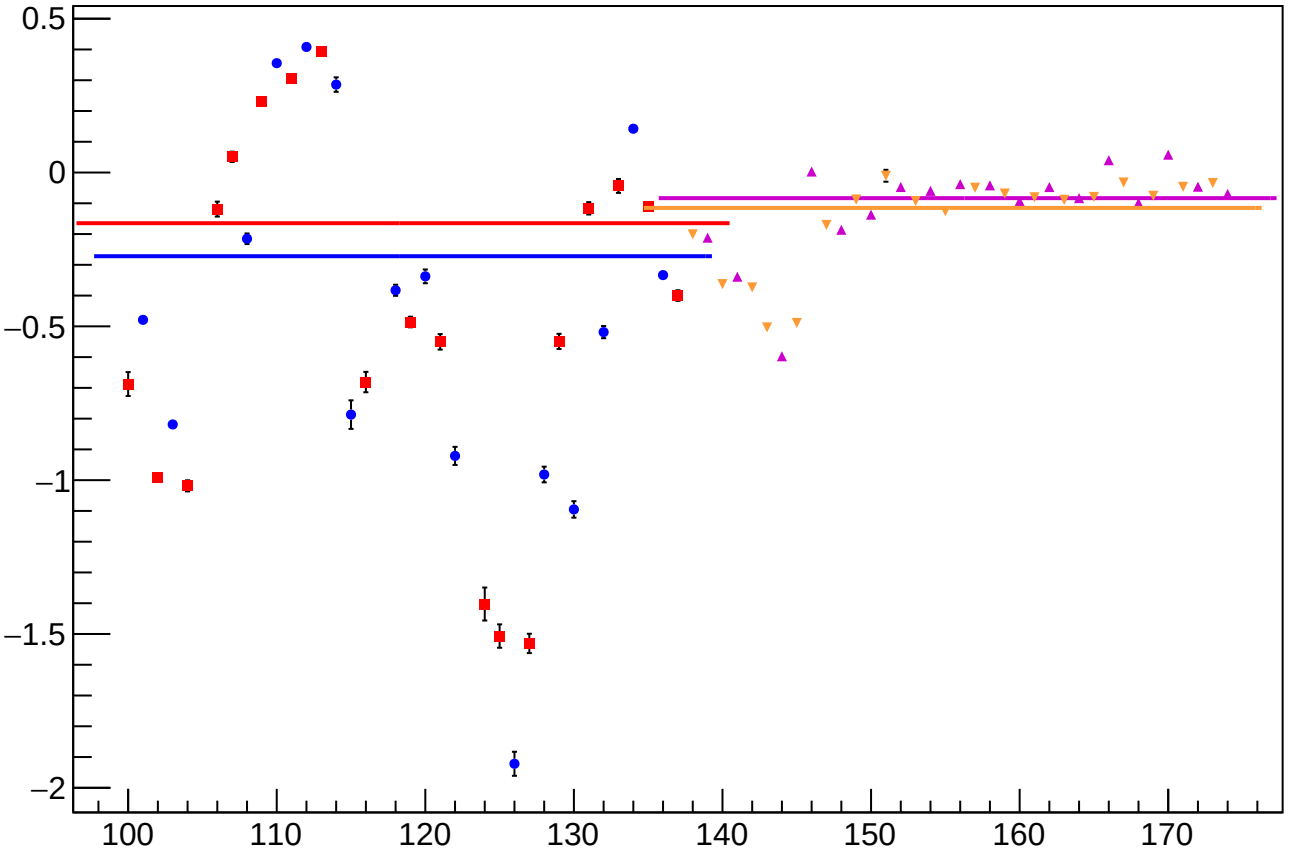
Left: -1.262+/-0.030 χ^2/NDF: 13580.0/36

Right: -1.555+/-0.047 χ^2/NDF: 7032.9/34

In: -1.288+/-0.035 χ^2/NDF:11396.0/33

Out: -1.414+/-0.037 χ^2/NDF:9238.0/37

All: -1.347+/-0.026 χ^2/NDF: 20640.1/71



Right In: -0.272+/-0.004 χ^2/NDF: 12063.6/15

Left Out: -0.115+/-0.002 χ^2/NDF:3473.3/18

Right Out: -0.165+/-0.004 χ^2/NDF: 15490.5/18

Left In: -0.083+/-0.002 χ^2/NDF:3666.6/17

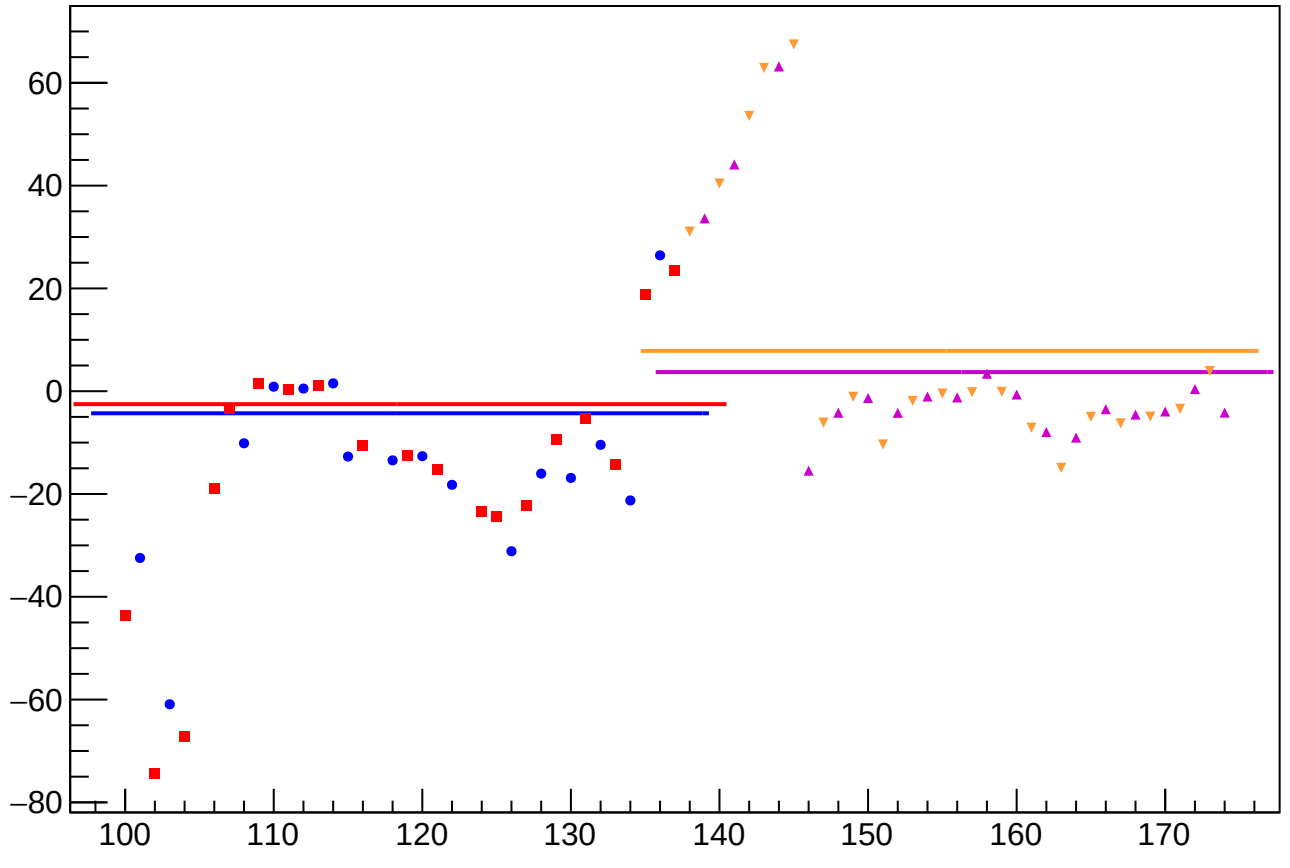
Left: -0.097+/-0.001 χ^2/NDF: 7285.4/36

Right: -0.214+/-0.003 χ^2/NDF: 27917.4/34

In: -0.111+/-0.002 χ^2/NDF:17490.5/33

Out: -0.126+/-0.002 χ^2/NDF:19097.9/37

All: -0.118+/-0.001 χ^2/NDF: 36627.1/71



Right In: -4.296+/-0.056 χ^2/NDF: 74218.3/15

Left Out: 7.850+/-0.056 χ^2/NDF:153055.7/18

Right Out: -2.524+/-0.047 χ^2/NDF: 79883.8/18

Left In: 3.724+/-0.051 χ^2/NDF:121172.5/17

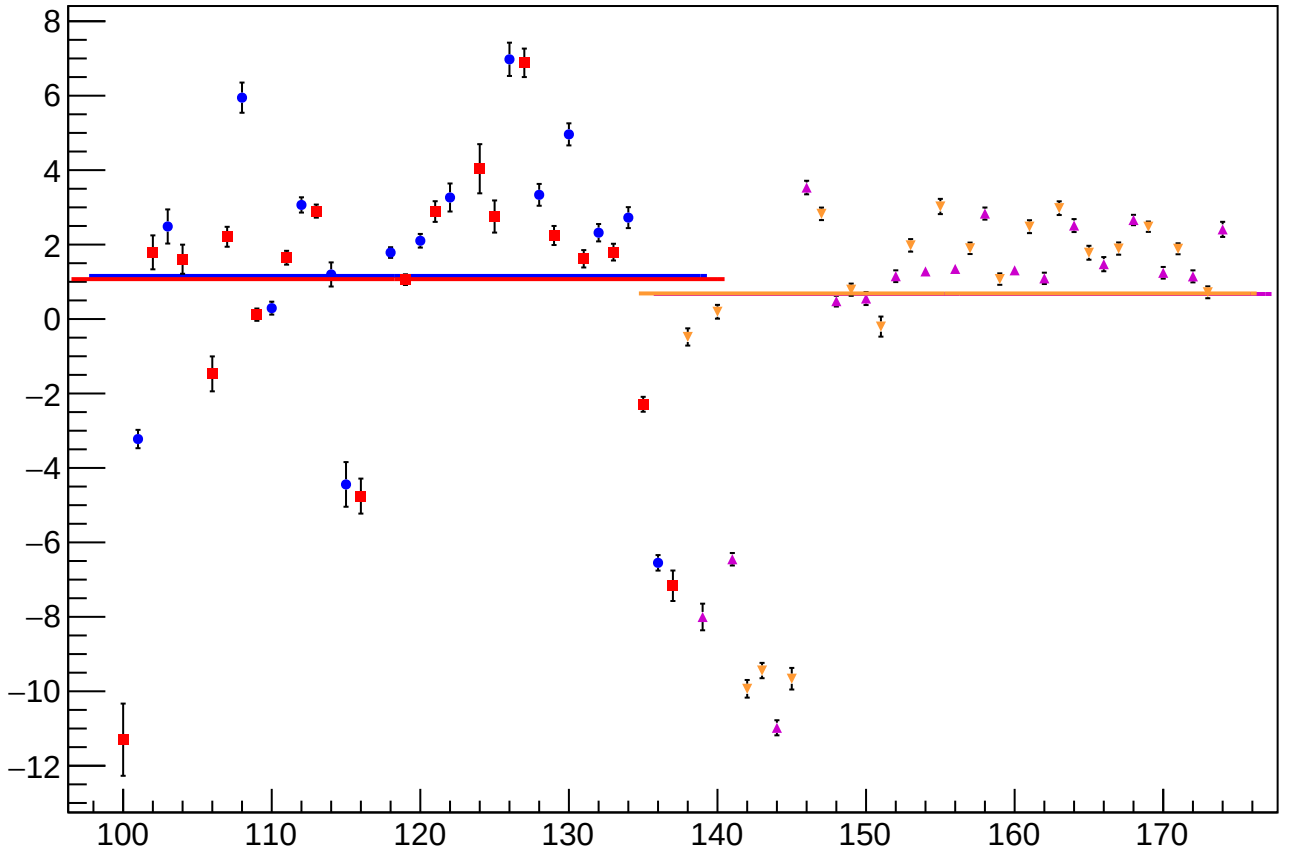
Left: 5.565+/-0.038 χ^2/NDF: 277190.8/36

Right: -3.265+/-0.036 χ^2/NDF: 154689.9/34

In: 0.099+/-0.037 χ^2/NDF:206736.8/33

Out: 1.750+/-0.036 χ^2/NDF:252821.6/37

All: 0.953+/-0.026 χ^2/NDF: 460562.7/71



Right In: 1.158+/-0.062 χ^2/NDF: 2549.9/15

Left Out: 0.687+/-0.041 χ^2/NDF:6743.7/18

Right Out: 1.072+/-0.058 χ^2/NDF: 1551.4/18

Left In: 0.673+/-0.037 χ^2/NDF:6641.1/17

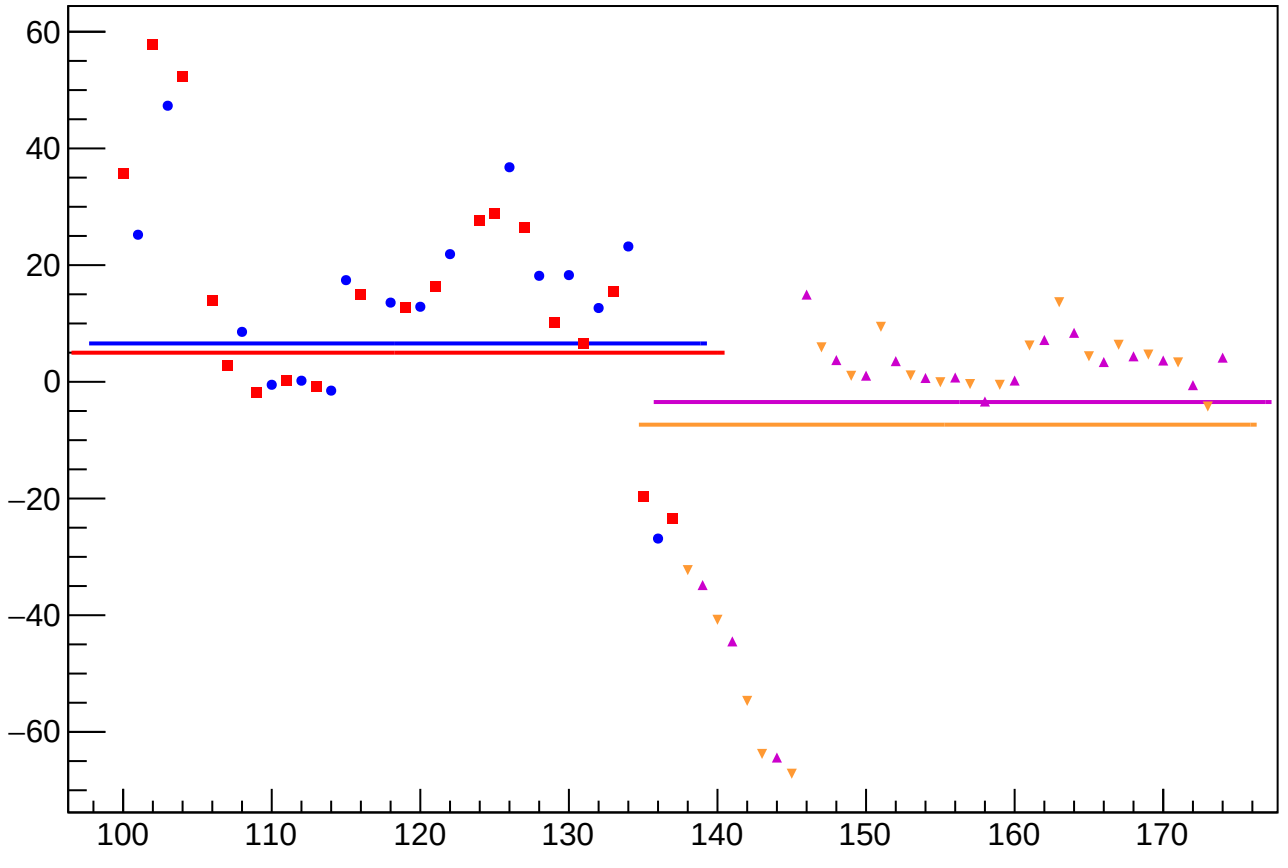
Left: 0.679+/-0.027 χ^2/NDF: 13384.9/36

Right: 1.113+/-0.042 χ^2/NDF: 4102.4/34

In: 0.801+/-0.032 χ^2/NDF:9236.8/33

Out: 0.815+/-0.034 χ^2/NDF:8324.2/37

All: 0.807+/-0.023 χ^2/NDF: 17561.1/71



Right In: 6.578+/-0.066 χ^2/NDF: 69731.5/15

Left Out: -7.343+/-0.055 χ^2/NDF:148765.4/18

Right Out: 4.992+/-0.060 χ^2/NDF: 74461.3/18

Left In: -3.463+/-0.049 χ^2/NDF:118443.8/17

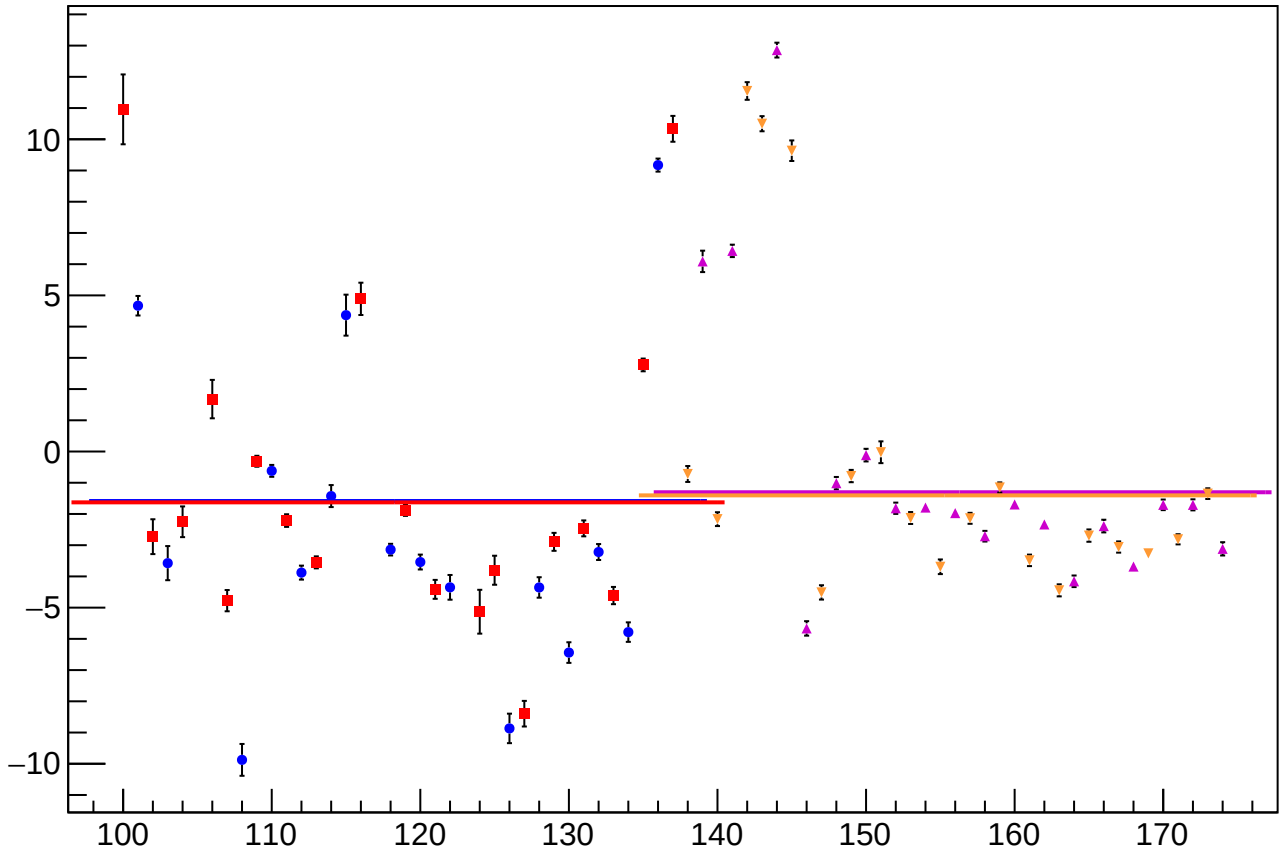
Left: -5.174+/-0.037 χ^2/NDF: 269941.5/36

Right: 5.710+/-0.045 χ^2/NDF: 144504.9/34

In: 0.104+/-0.040 χ^2/NDF:202921.0/33

Out: -1.699+/-0.041 χ^2/NDF:245833.9/37

All: -0.768+/-0.028 χ^2/NDF: 449759.2/71



Right In: -1.586+/-0.071 χ^2/NDF: 4472.6/15

Left Out: -1.404+/-0.046 χ^2/NDF:6710.8/18

Right Out: -1.628+/-0.066 χ^2/NDF: 2422.3/18

Left In: -1.305+/-0.041 χ^2/NDF:6642.3/17

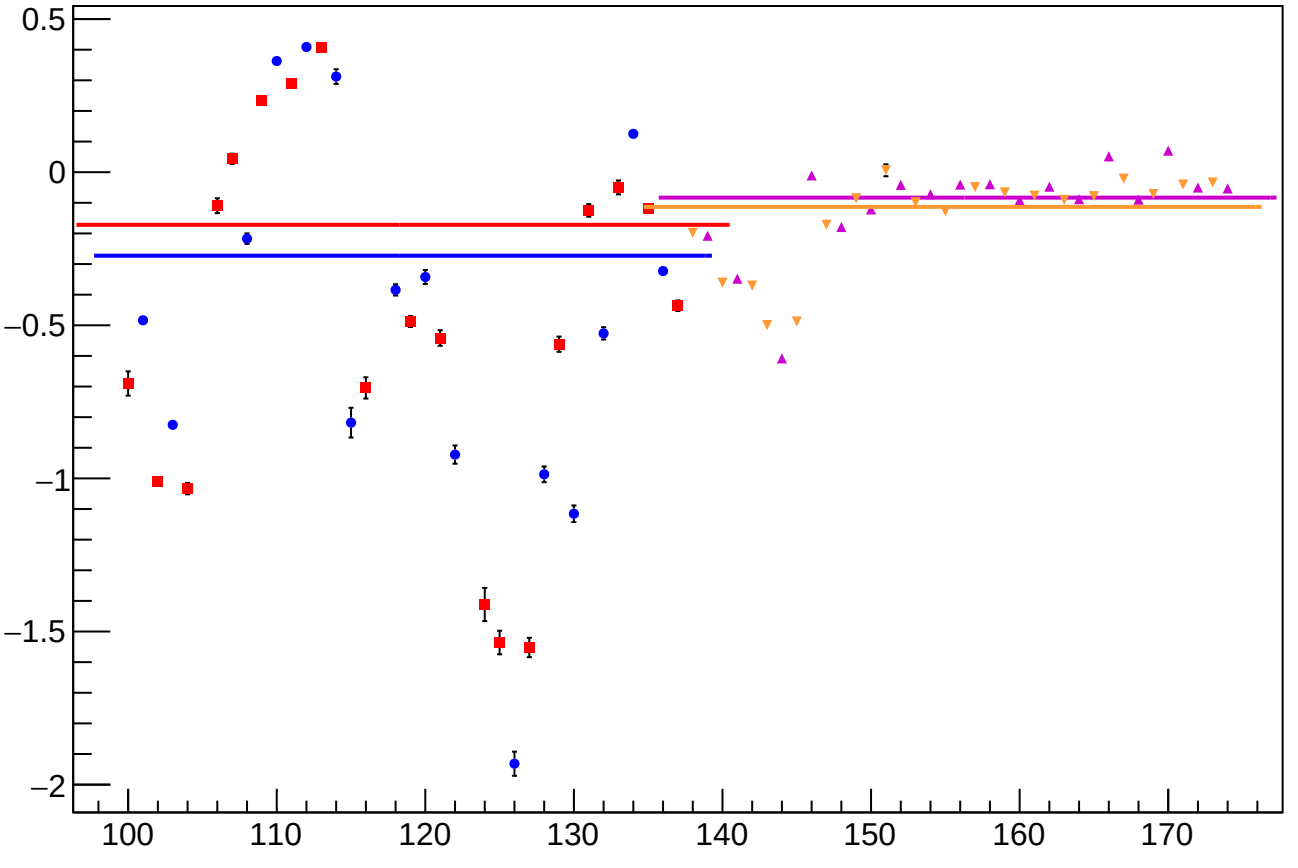
Left: -1.349+/-0.031 χ^2/NDF: 13355.7/36

Right: -1.609+/-0.048 χ^2/NDF: 6895.1/34

In: -1.377+/-0.036 χ^2/NDF:11126.7/33

Out: -1.478+/-0.038 χ^2/NDF:9140.7/37

All: -1.425+/-0.026 χ^2/NDF: 20271.2/71



Right In: -0.273+/-0.004 χ^2/NDF: 11856.3/15

Left Out: -0.113+/-0.002 χ^2/NDF:3428.9/18

Right Out: -0.172+/-0.004 χ^2/NDF: 15322.3/18

Left In: -0.083+/-0.002 χ^2/NDF:3730.7/17

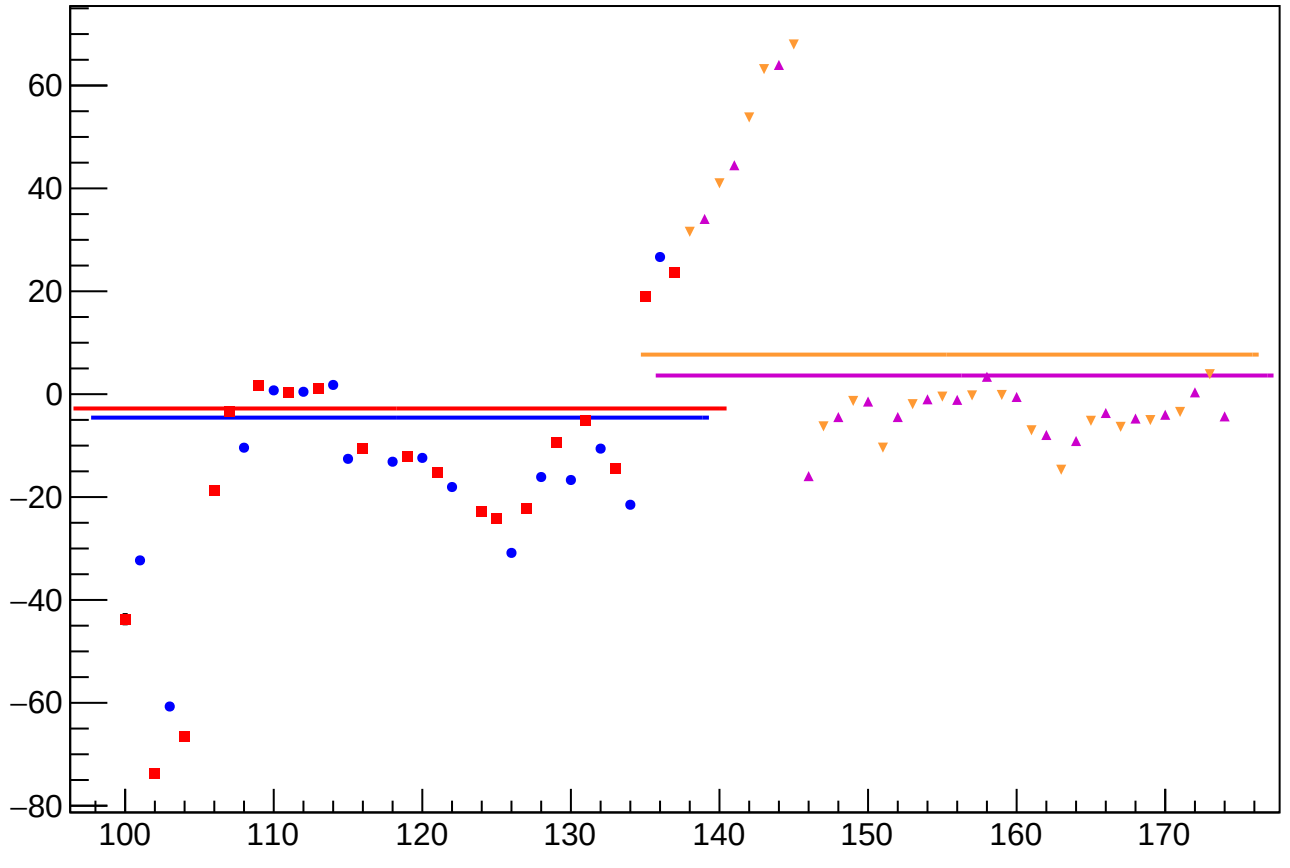
Left: -0.096+/-0.001 χ^2/NDF: 7287.3/36

Right: -0.218+/-0.003 χ^2/NDF: 27488.4/34

In: -0.111+/-0.002 χ^2/NDF:17305.1/33

Out: -0.126+/-0.002 χ^2/NDF:18931.2/37

All: -0.118+/-0.001 χ^2/NDF: 36273.8/71



Right In: -4.557+/-0.057 χ^2/NDF: 72635.2/15

Left Out: 7.692+/-0.057 χ^2/NDF:151179.0/18

Right Out: -2.780+/-0.049 χ^2/NDF: 77905.3/18

Left In: 3.627+/-0.051 χ^2/NDF:119944.9/17

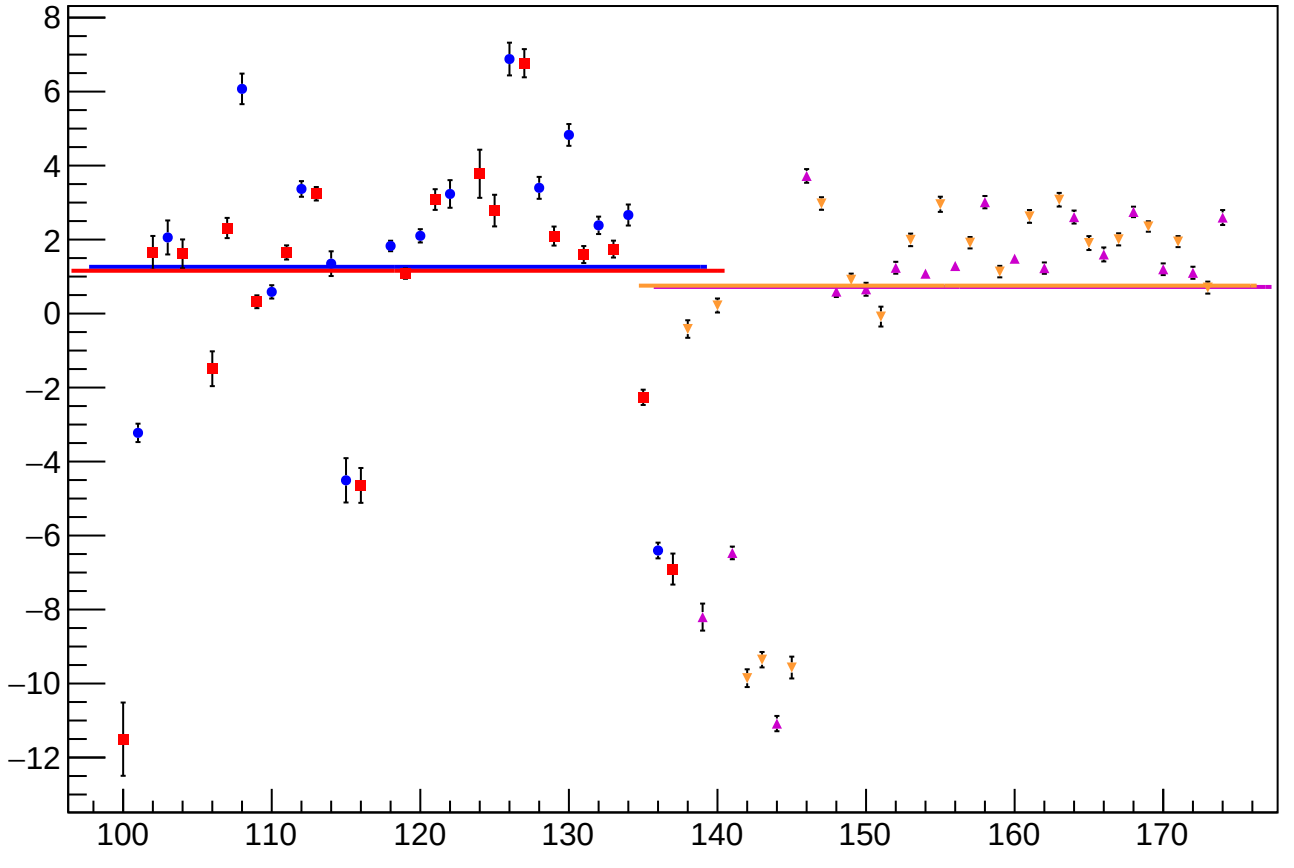
Left: 5.444+/-0.038 χ^2/NDF: 273935.5/36

Right: -3.530+/-0.037 χ^2/NDF: 151106.4/34

In: -0.046+/-0.038 χ^2/NDF:204022.2/33

Out: 1.619+/-0.037 χ^2/NDF:248657.4/37

All: 0.811+/-0.027 χ^2/NDF: 453665.0/71



Right In: 1.263+/-0.062 χ^2/NDF: 2443.8/15

Left Out: 0.755+/-0.041 χ^2/NDF:6530.3/18

Right Out: 1.157+/-0.059 χ^2/NDF: 1490.5/18

Left In: 0.720+/-0.037 χ^2/NDF:6607.6/17

Left: 0.735+/-0.028 χ^2/NDF: 13138.3/36

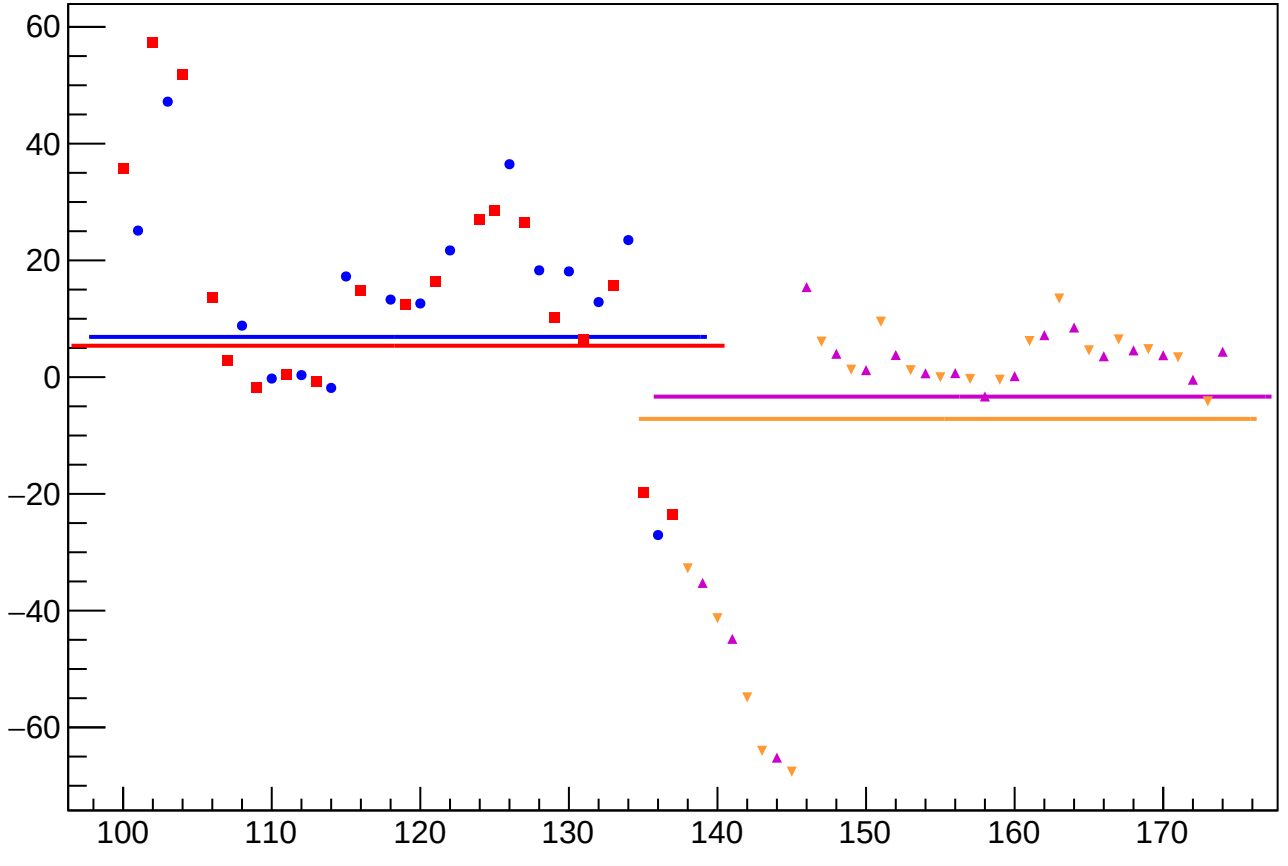
Right: 1.208+/-0.043 χ^2/NDF: 3935.9/34

In: 0.864+/-0.032 χ^2/NDF:9107.8/33

Out: 0.887+/-0.034 χ^2/NDF:8051.9/37

All: 0.875+/-0.023 χ^2/NDF: 17160.0/71

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 6.895+/-0.067 χ^2/NDF: 68047.4/15

Left Out: -7.152+/-0.056 χ^2/NDF:146809.9/18

Right Out: 5.381+/-0.062 χ^2/NDF: 72230.2/18

Left In: -3.338+/-0.050 χ^2/NDF:117193.8/17

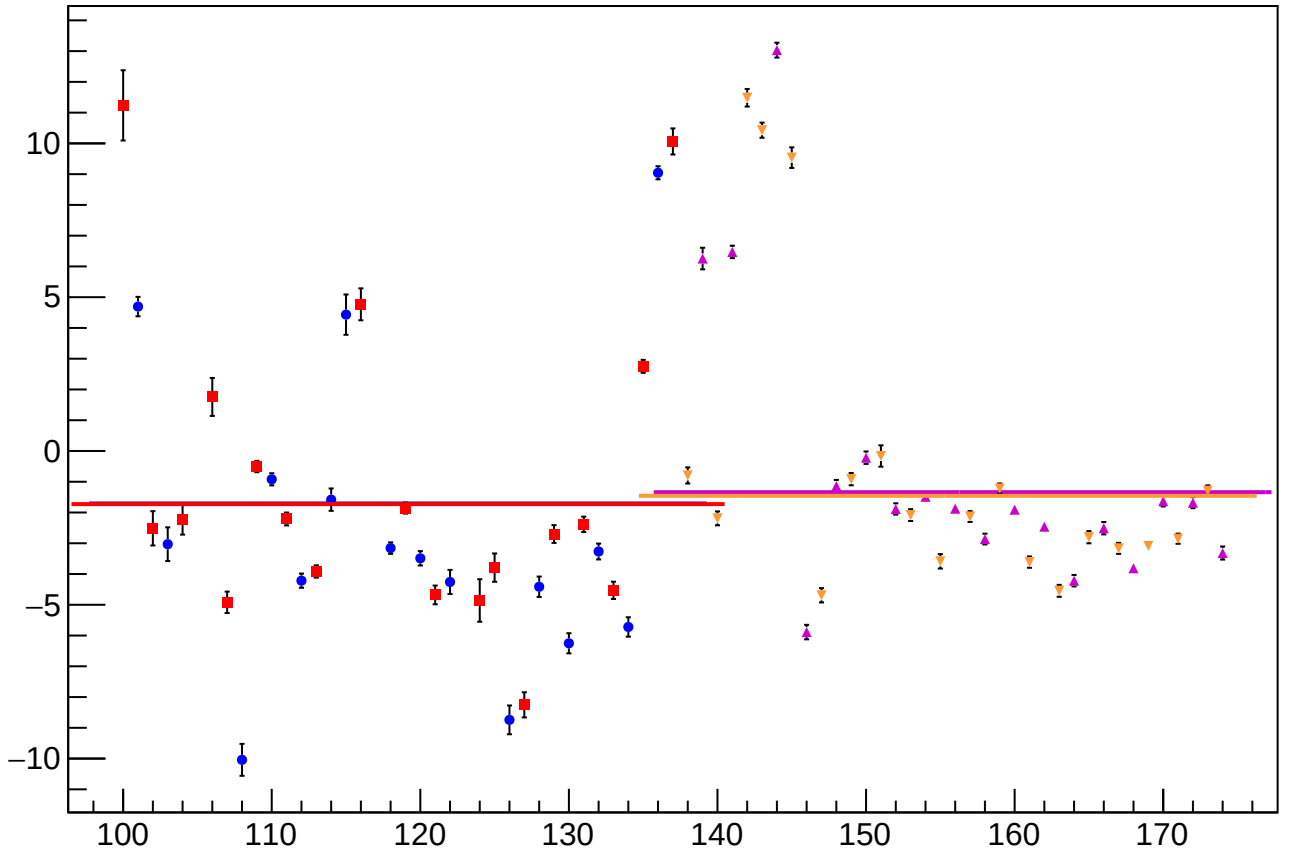
Left: -5.025+/-0.037 χ^2/NDF: 266586.3/36

Right: 6.071+/-0.045 χ^2/NDF: 140552.1/34

In: 0.290+/-0.040 χ^2/NDF:200135.2/33

Out: -1.484+/-0.041 χ^2/NDF:241650.7/37

All: -0.567+/-0.029 χ^2/NDF: 442730.6/71



Right In: -1.708+/-0.072 χ^2/NDF: 4289.8/15

Left Out: -1.457+/-0.047 χ^2/NDF:6510.6/18

Right Out: -1.727+/-0.067 χ^2/NDF: 2309.6/18

Left In: -1.340+/-0.042 χ^2/NDF:6642.2/17

Left: -1.392+/-0.031 χ^2/NDF: 13156.3/36

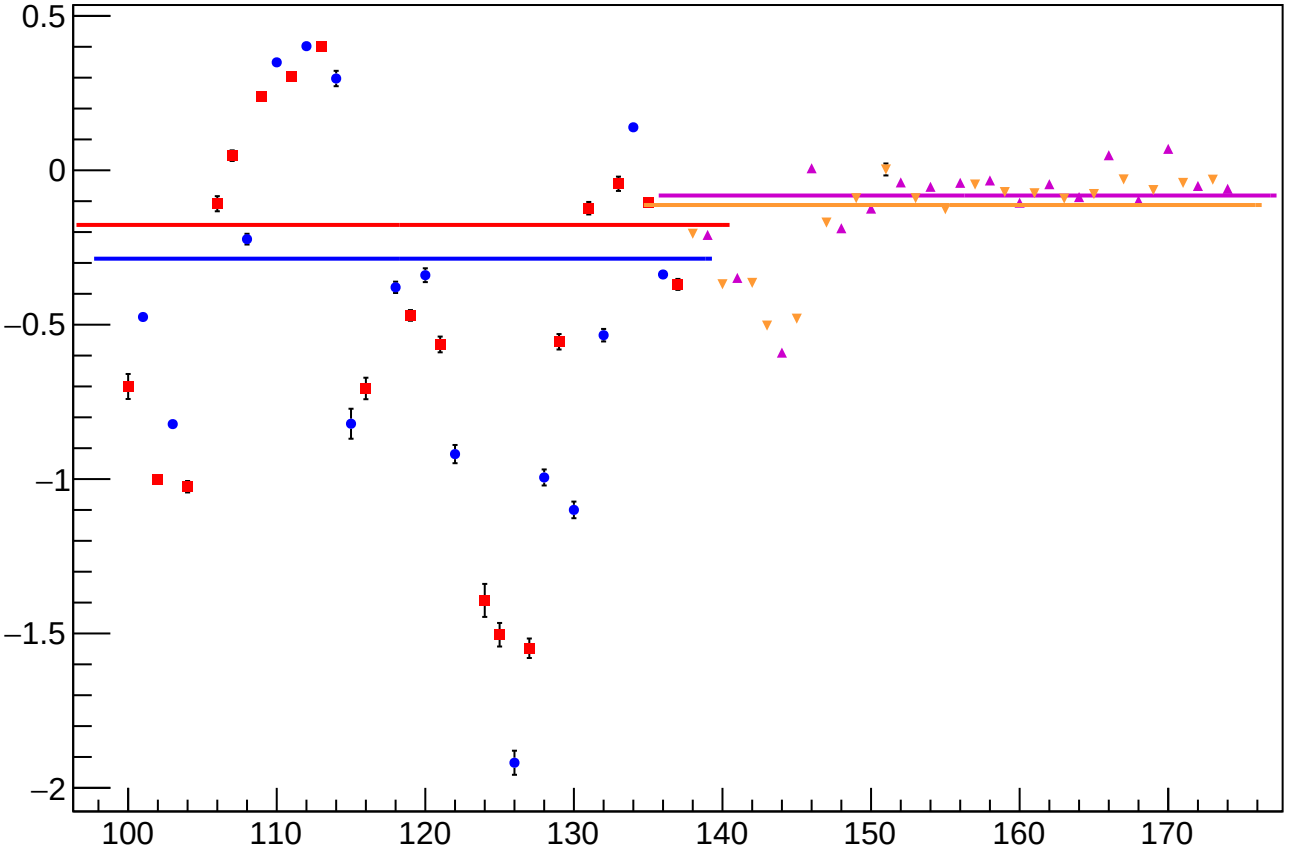
Right: -1.718+/-0.049 χ^2/NDF: 6599.4/34

In: -1.434+/-0.036 χ^2/NDF:10951.7/33

Out: -1.545+/-0.038 χ^2/NDF:8831.2/37

All: -1.487+/-0.026 χ^2/NDF: 19787.3/71

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: -0.112+/-0.002 χ^2/NDF:3364.3/18

Right Out: -0.177+/-0.004 χ^2/NDF: 14767.8/18

Left In: -0.082+/-0.002 χ^2/NDF:3591.2/17

Left: -0.095+/-0.001 χ^2/NDF: 7084.5/36

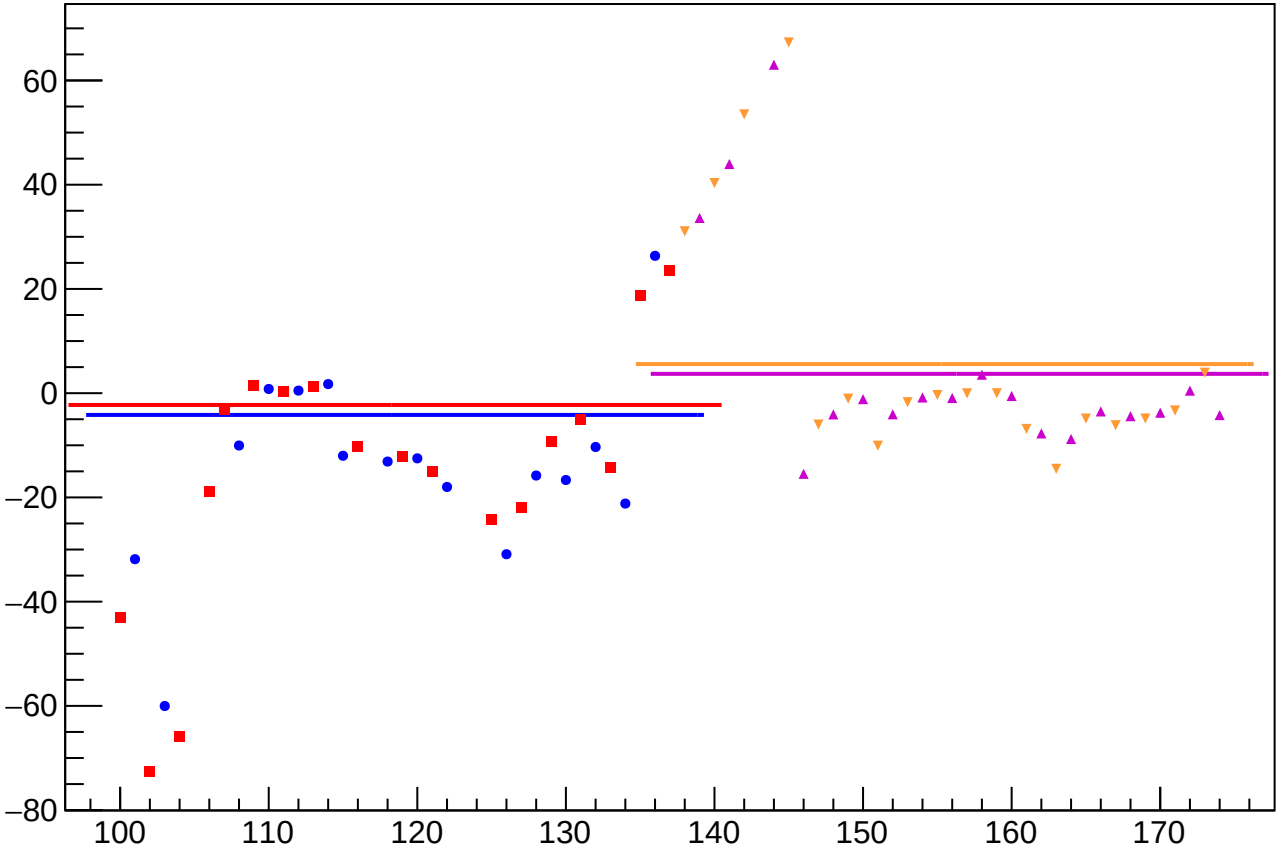
Right: -0.227+/-0.003 χ^2/NDF: 26481.0/34

In: -0.112+/-0.002 χ^2/NDF:16898.2/33

Out: -0.126+/-0.002 χ^2/NDF:18342.3/37

All: -0.118+/-0.001 χ^2/NDF: 35273.7/71

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: 5.582+/-0.056 χ^2/NDF:116464.9/17

Right Out: -2.261+/-0.046 χ^2/NDF: 79624.4/17

Left In: 3.709+/-0.049 χ^2/NDF:123388.6/17

Left: 4.522+/-0.037 χ^2/NDF: 240477.0/35

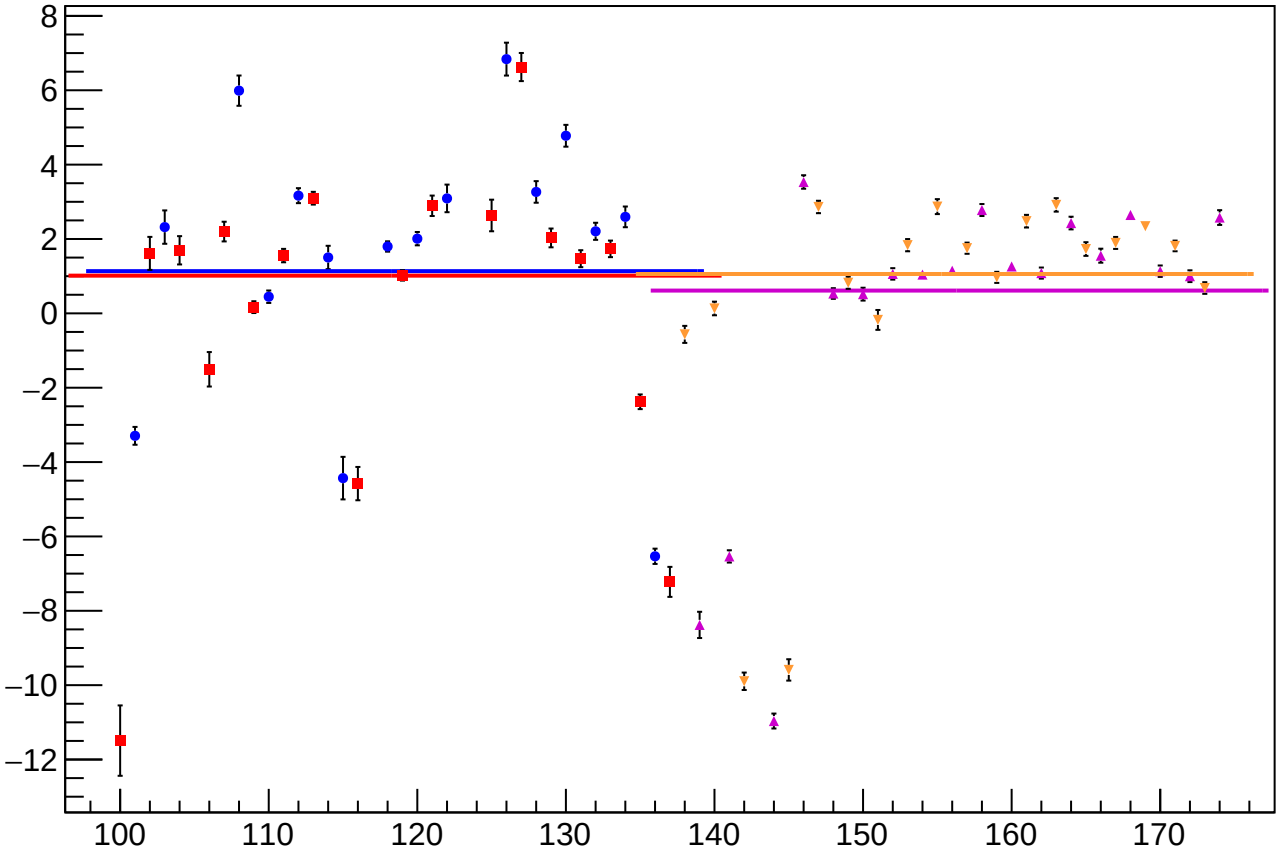
Right: -3.058+/-0.035 χ^2/NDF: 155737.8/33

In: 0.148+/-0.037 χ^2/NDF:210271.2/33

Out: 0.873+/-0.036 χ^2/NDF:207686.5/35

All: 0.520+/-0.026 χ^2/NDF: 418158.8/69

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.135+/-0.060 χ^2/NDF: 2595.7/15

Left Out: 1.058+/-0.041 χ^2/NDF:4237.6/17

Right Out: 1.014+/-0.057 χ^2/NDF: 1593.0/17

Left In: 0.613+/-0.036 χ^2/NDF:6843.9/17

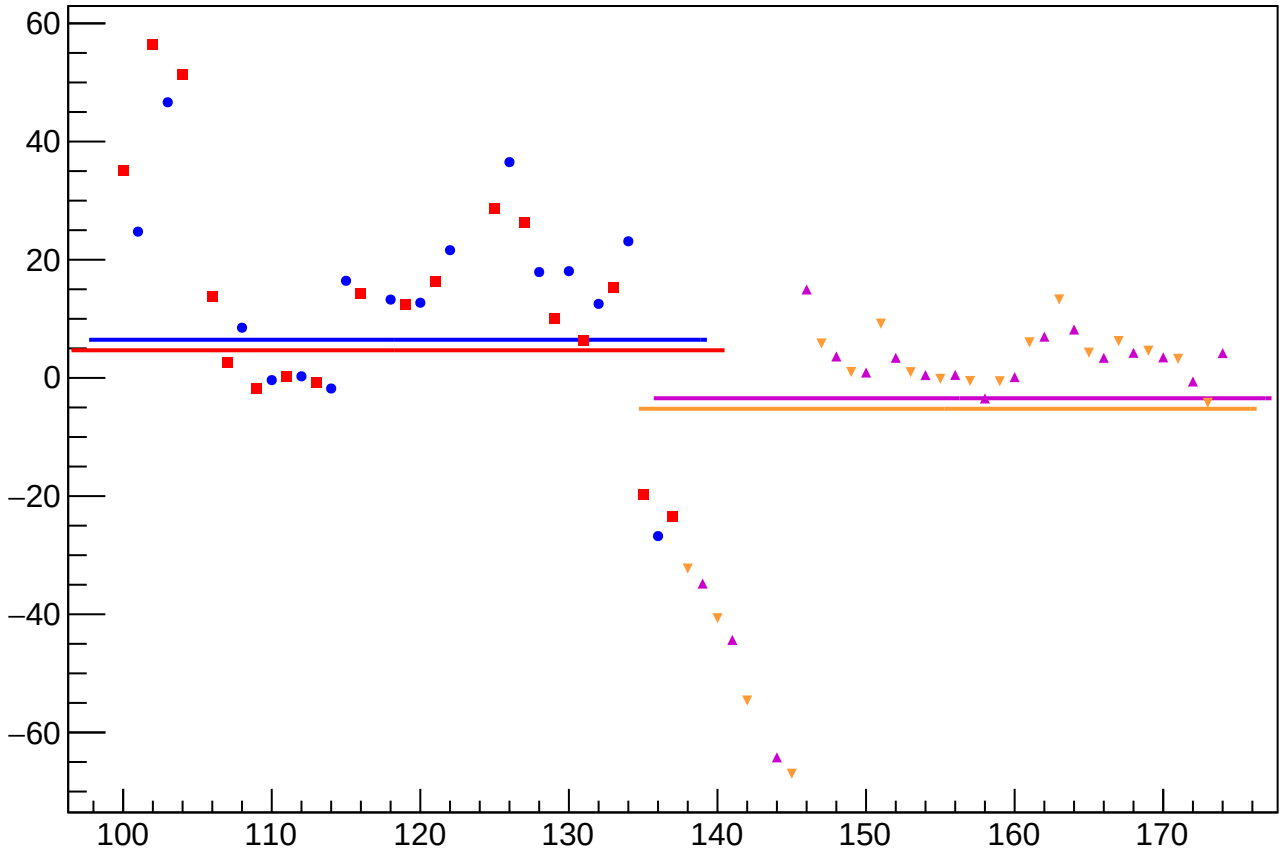
Left: 0.806+/-0.027 χ^2/NDF: 11148.4/35

Right: 1.072+/-0.041 χ^2/NDF: 4190.8/33

In: 0.750+/-0.031 χ^2/NDF:9495.2/33

Out: 1.043+/-0.033 χ^2/NDF:5831.0/35

All: 0.885+/-0.023 χ^2/NDF: 15368.0/69



Right In: 6.458+/-0.065 χ^2/NDF: 70792.7/15

Left Out: -5.217+/-0.055 χ^2/NDF:112499.3/17

Right Out: 4.677+/-0.059 χ^2/NDF: 74414.5/17

Left In: -3.443+/-0.048 χ^2/NDF:120615.2/17

Left: -4.205+/-0.036 χ^2/NDF: 233699.2/35

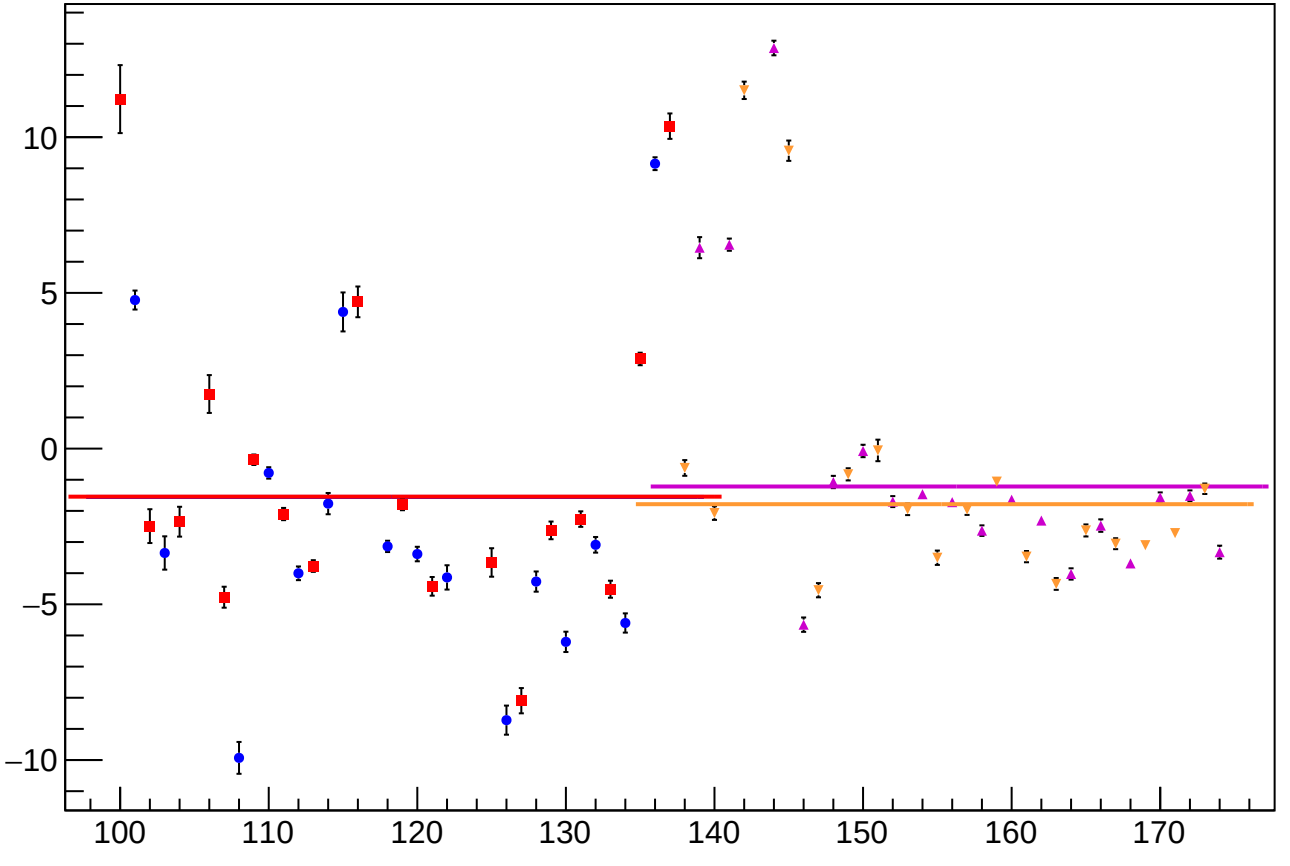
Right: 5.483+/-0.044 χ^2/NDF: 145618.4/33

In: 0.063+/-0.039 χ^2/NDF:206411.2/33

Out: -0.587+/-0.040 χ^2/NDF:201832.0/35

All: -0.248+/-0.028 χ^2/NDF: 408378.5/69

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.552+/-0.069 χ^2/NDF: 4543.6/15

Left Out: -1.785+/-0.046 χ^2/NDF:4233.2/17

Right Out: -1.543+/-0.065 χ^2/NDF: 2473.0/17

Left In: -1.217+/-0.040 χ^2/NDF:6859.8/17

Left: -1.464+/-0.030 χ^2/NDF: 11178.6/35

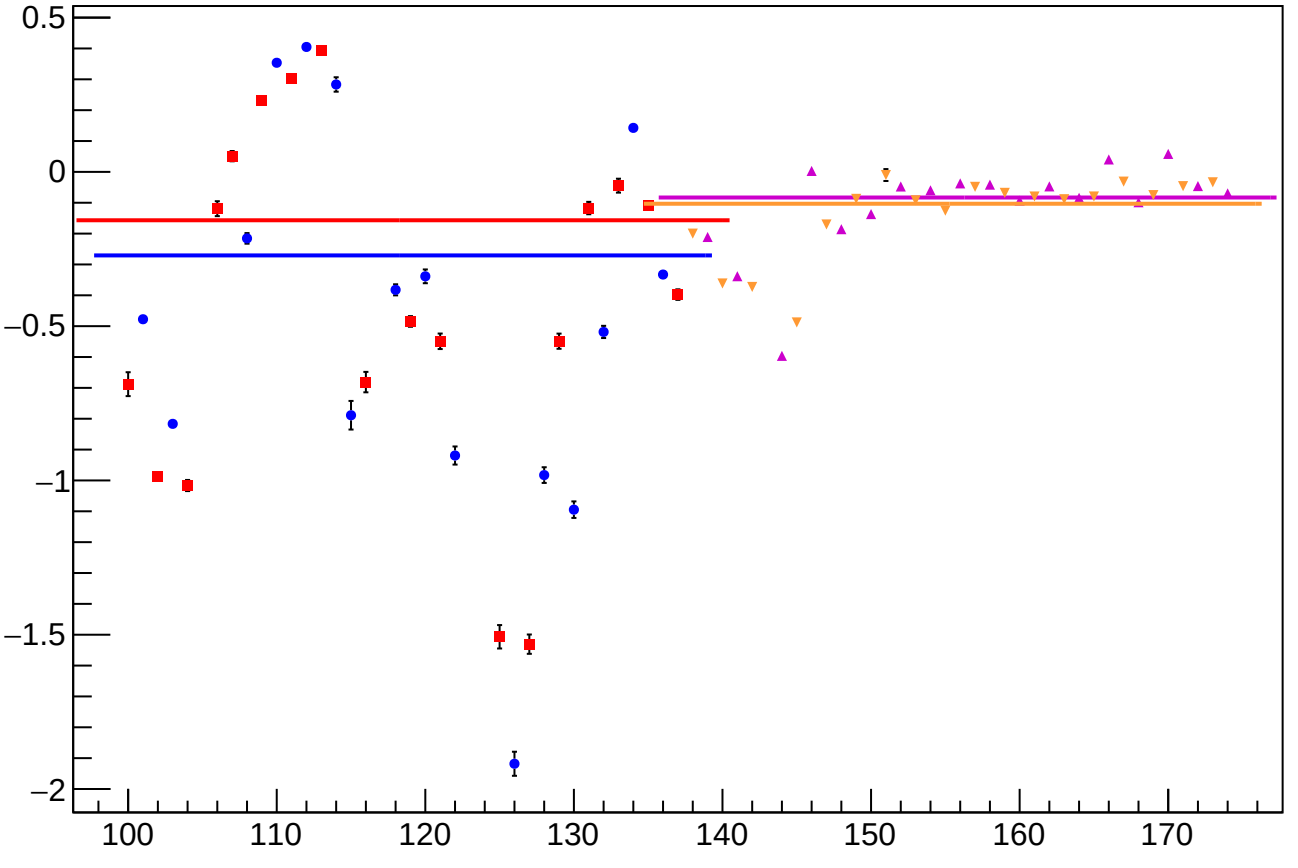
Right: -1.547+/-0.047 χ^2/NDF: 7016.6/33

In: -1.302+/-0.035 χ^2/NDF:11420.8/33

Out: -1.703+/-0.038 χ^2/NDF:6715.5/35

All: -1.488+/-0.026 χ^2/NDF: 18197.5/69

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.271+/-0.004 χ^2/NDF: 12096.1/15

Left Out: -0.103+/-0.002 χ^2/NDF:2376.8/17

Right Out: -0.157+/-0.004 χ^2/NDF: 15019.0/17

Left In: -0.083+/-0.002 χ^2/NDF:3676.0/17

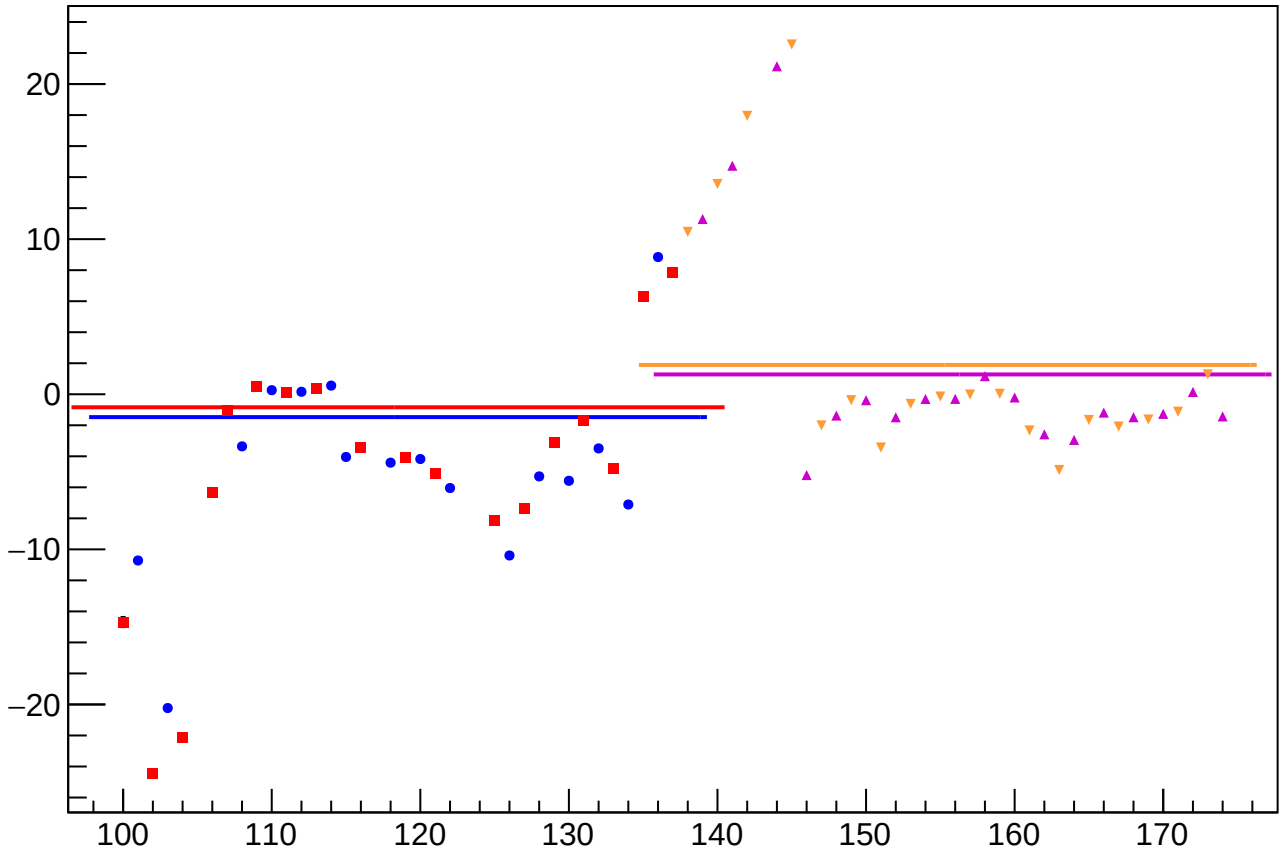
Left: -0.092+/-0.001 χ^2/NDF: 6111.3/35

Right: -0.209+/-0.003 χ^2/NDF: 27526.5/33

In: -0.111+/-0.002 χ^2/NDF:17524.8/33

Out: -0.115+/-0.002 χ^2/NDF:17551.4/35

All: -0.113+/-0.001 χ^2/NDF: 35079.7/69



Right In: -1.474+/-0.019 χ^2/NDF: 73722.2/15

Left Out: 1.891+/-0.019 χ^2/NDF:114455.8/17

Right Out: -0.838+/-0.016 χ^2/NDF: 78013.1/17

Left In: 1.279+/-0.017 χ^2/NDF:120824.3/17

Left: 1.546+/-0.013 χ^2/NDF: 235849.6/35

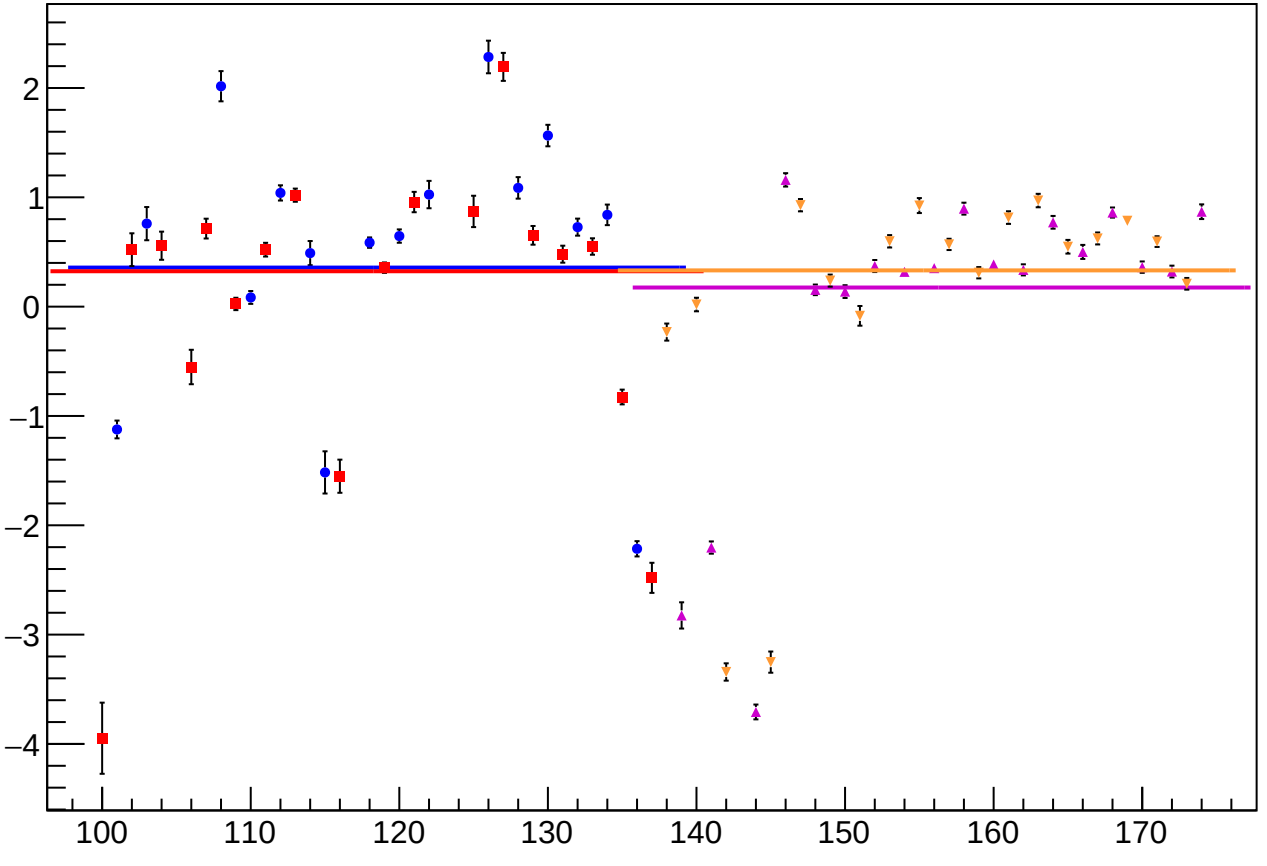
Right: -1.107+/-0.012 χ^2/NDF: 152399.4/33

In: 0.039+/-0.013 χ^2/NDF:206405.6/33

Out: 0.279+/-0.012 χ^2/NDF:204337.6/35

All: 0.162+/-0.009 χ^2/NDF: 410929.3/69

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.357+/-0.021 χ^2/NDF: 2543.0/15

Left Out: 0.332+/-0.014 χ^2/NDF:4195.9/17

Right Out: 0.324+/-0.020 χ^2/NDF: 1558.9/17

Left In: 0.175+/-0.012 χ^2/NDF:6686.5/17

Left: 0.243+/-0.009 χ^2/NDF: 10953.0/35

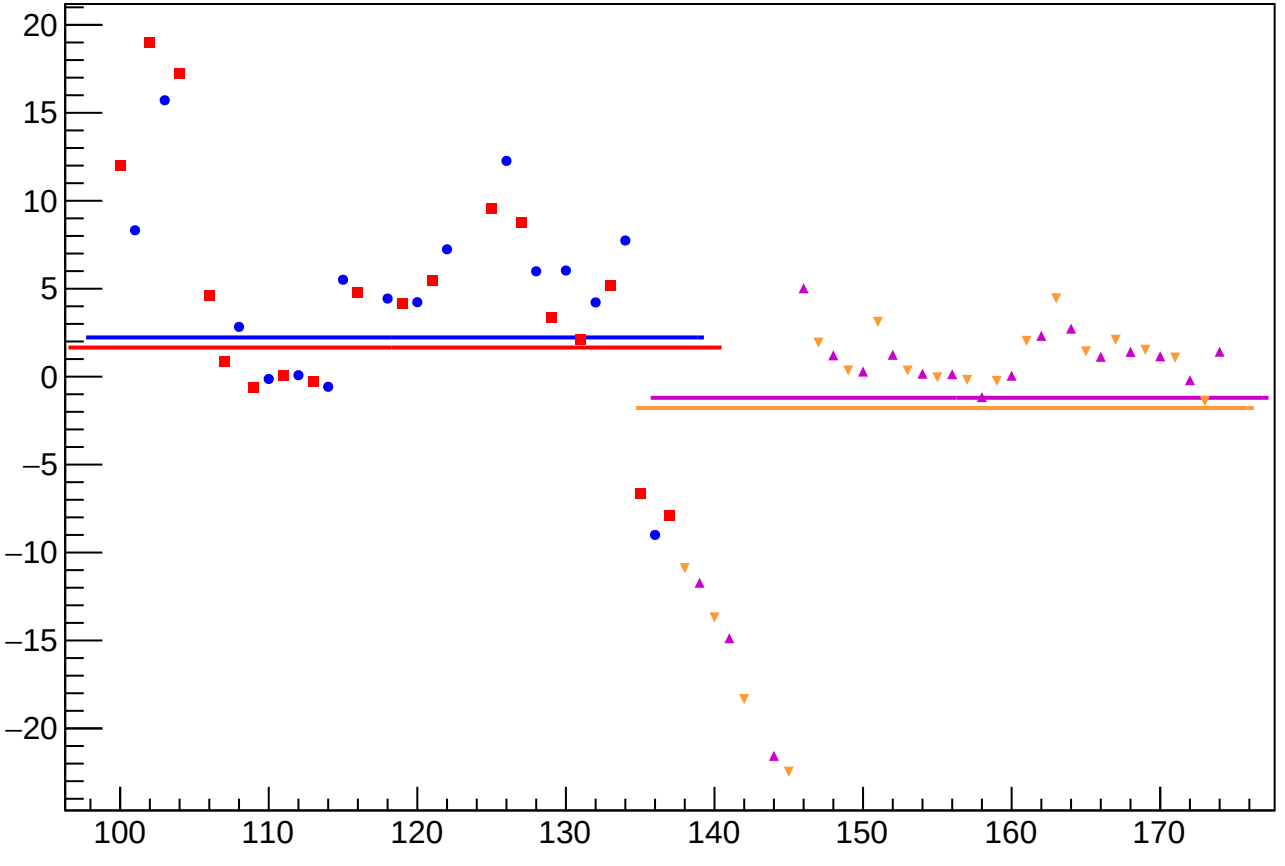
Right: 0.340+/-0.014 χ^2/NDF: 4103.4/33

In: 0.223+/-0.011 χ^2/NDF:9287.2/33

Out: 0.329+/-0.011 χ^2/NDF:5754.9/35

All: 0.272+/-0.008 χ^2/NDF: 15088.5/69

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.229+/-0.022 χ^2/NDF: 69187.1/15

Left Out: -1.781+/-0.019 χ^2/NDF:110570.2/17

Right Out: 1.657+/-0.020 χ^2/NDF: 72797.4/17

Left In: -1.202+/-0.017 χ^2/NDF:118157.3/17

Left: -1.453+/-0.012 χ^2/NDF: 229259.3/35

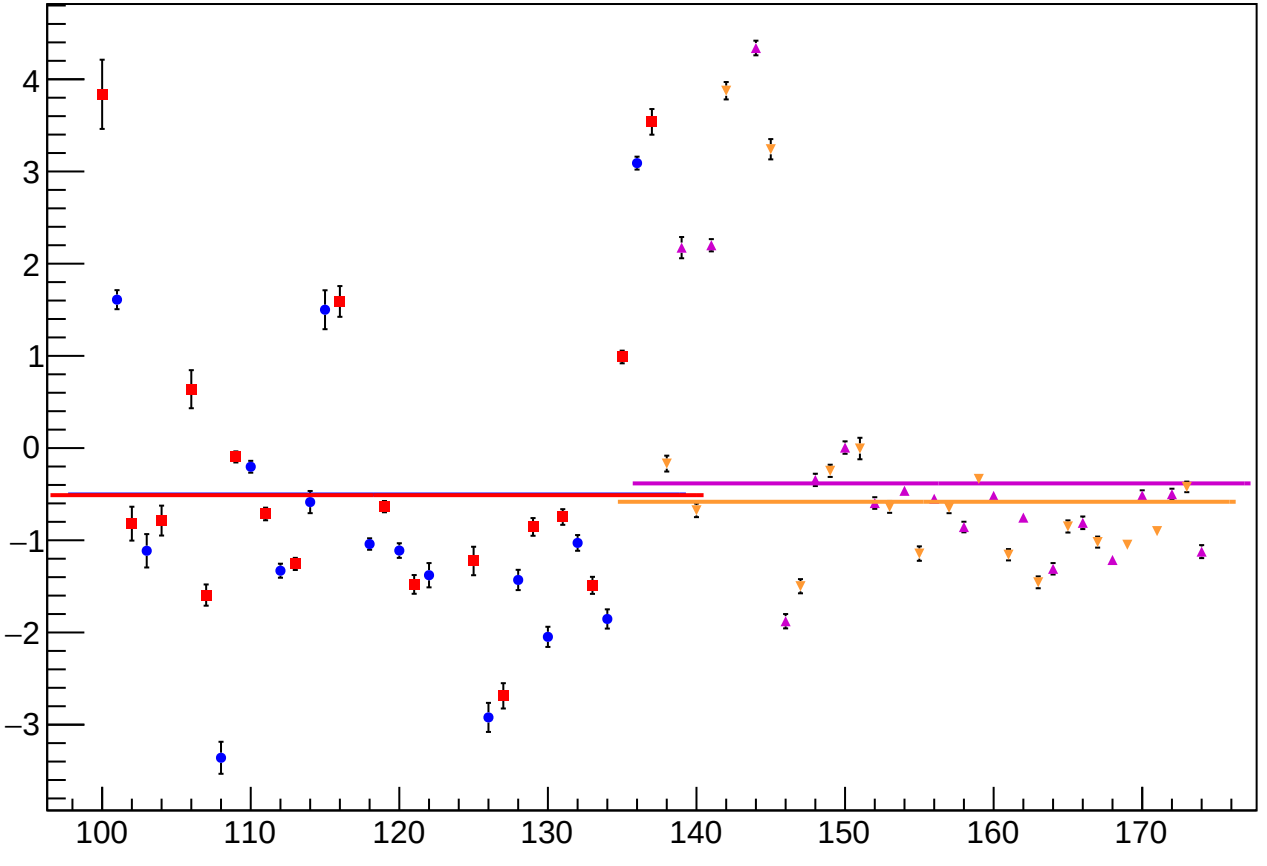
Right: 1.919+/-0.015 χ^2/NDF: 142343.2/33

In: 0.017+/-0.013 χ^2/NDF:202671.2/33

Out: -0.197+/-0.014 χ^2/NDF:198610.4/35

All: -0.085+/-0.010 χ^2/NDF: 401405.0/69

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.504+/-0.024 χ^2/NDF: 4447.2/15

Left Out: -0.582+/-0.016 χ^2/NDF:4193.7/17

Right Out: -0.511+/-0.022 χ^2/NDF: 2424.0/17

Left In: -0.383+/-0.014 χ^2/NDF:6709.5/17

Left: -0.470+/-0.010 χ^2/NDF: 10993.1/35

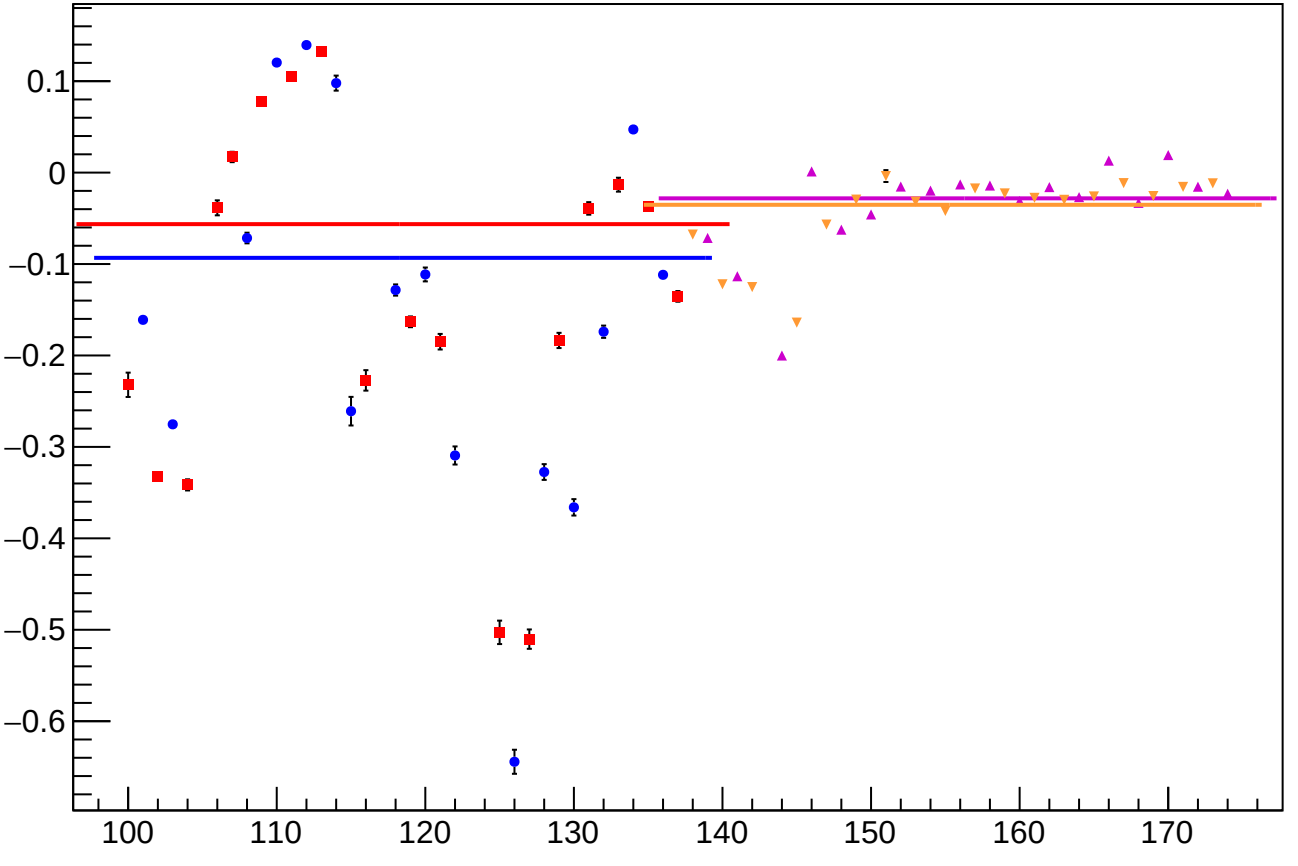
Right: -0.507+/-0.016 χ^2/NDF: 6871.2/33

In: -0.414+/-0.012 χ^2/NDF:11175.9/33

Out: -0.558+/-0.013 χ^2/NDF:6624.6/35

All: -0.481+/-0.009 χ^2/NDF: 17868.1/69

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.093+/-0.001 χ^2/NDF: 11742.4/15

Left Out: -0.035+/-0.001 χ^2/NDF:2329.7/17

Right Out: -0.056+/-0.001 χ^2/NDF: 14457.4/17

Left In: -0.028+/-0.001 χ^2/NDF:3591.7/17

Left: -0.031+/-0.000 χ^2/NDF: 5982.0/35

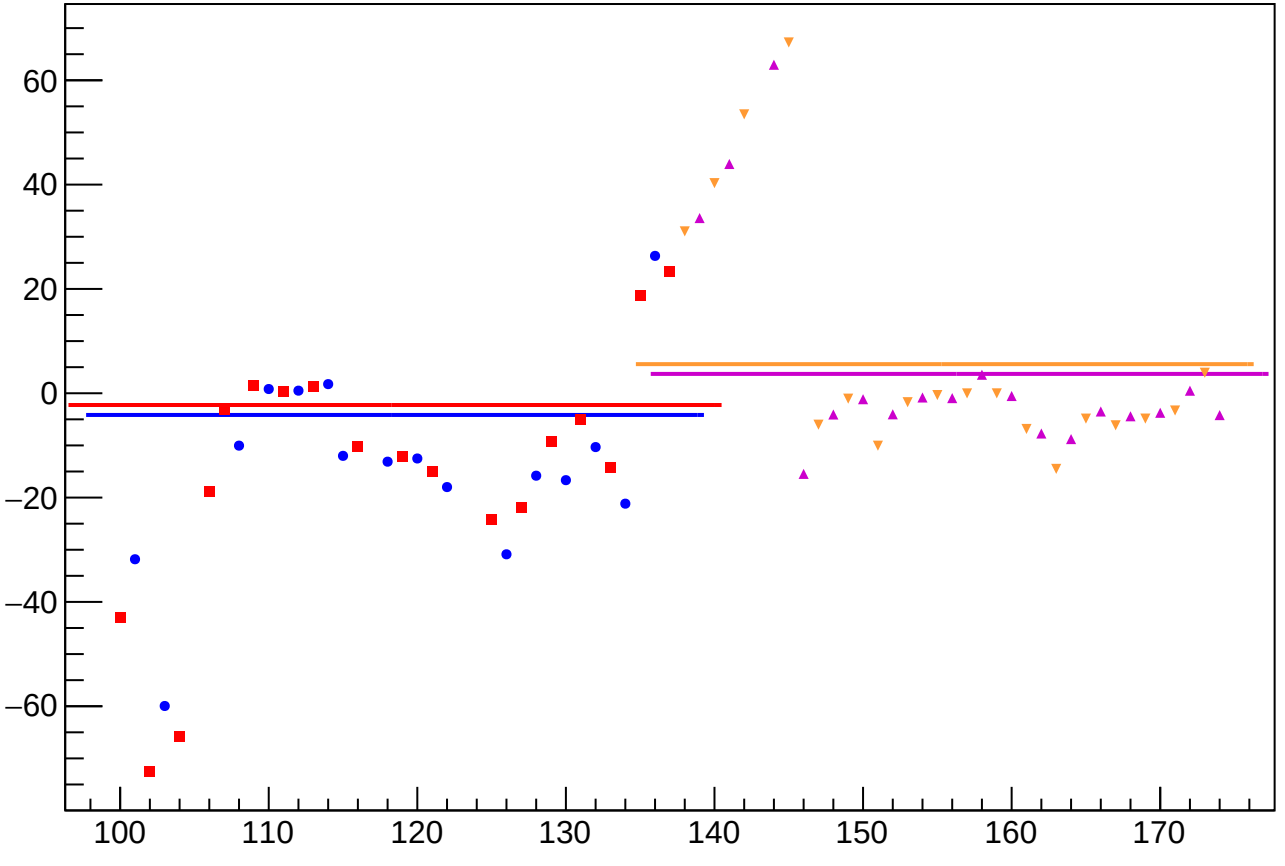
Right: -0.073+/-0.001 χ^2/NDF: 26566.6/33

In: -0.038+/-0.001 χ^2/NDF:17137.1/33

Out: -0.040+/-0.001 χ^2/NDF:16992.7/35

All: -0.039+/-0.000 χ^2/NDF: 34135.6/69

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: 5.582+/-0.056 χ^2/NDF:116449.5/17

Right Out: -2.251+/-0.046 χ^2/NDF: 79637.5/17

Left In: 3.709+/-0.049 χ^2/NDF:123402.5/17

Left: 4.522+/-0.037 χ^2/NDF: 240476.5/35

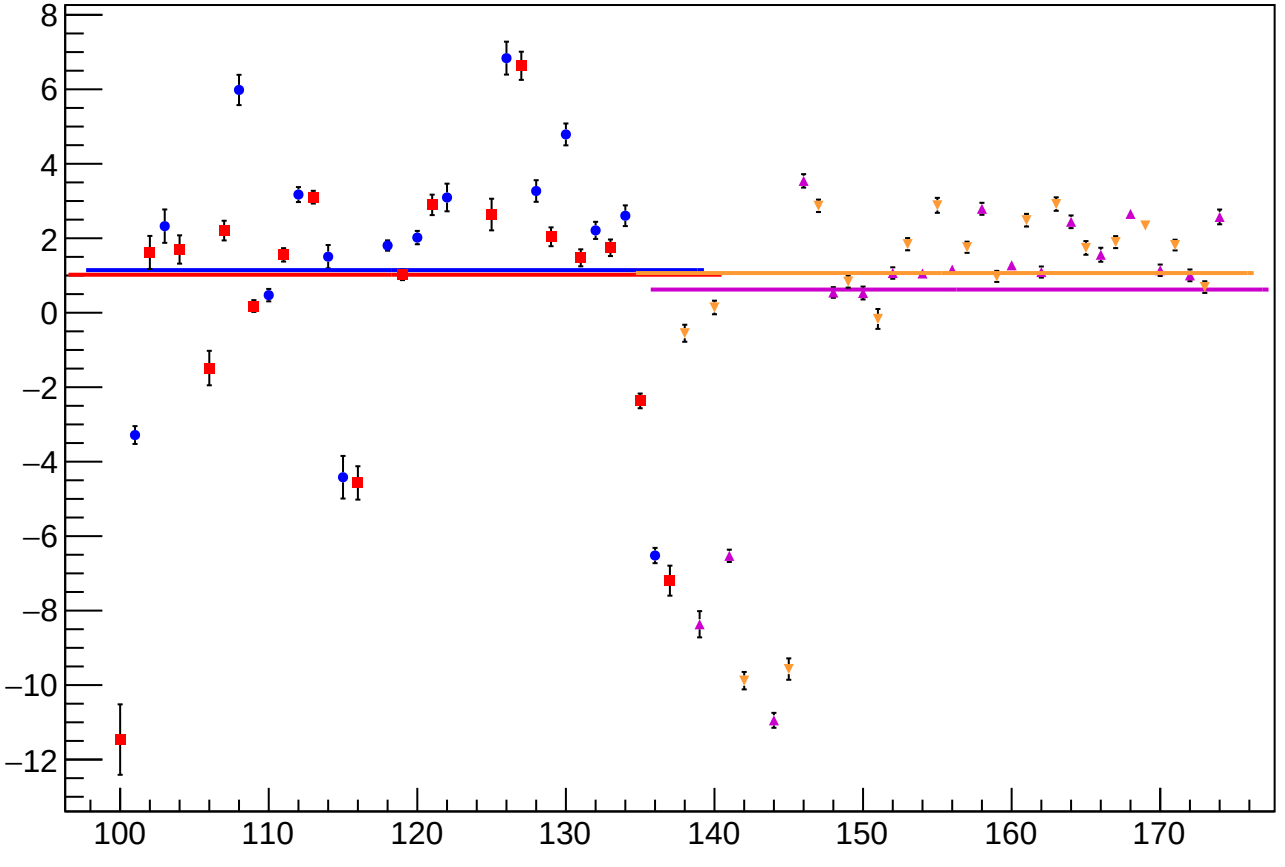
Right: -3.046+/-0.035 χ^2/NDF: 155775.7/33

In: 0.152+/-0.037 χ^2/NDF:210294.7/33

Out: 0.876+/-0.036 χ^2/NDF:207680.6/35

All: 0.523+/-0.026 χ^2/NDF: 418176.1/69

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.144+/-0.060 χ^2/NDF: 2595.3/15

Left Out: 1.066+/-0.041 χ^2/NDF:4234.9/17

Right Out: 1.021+/-0.057 χ^2/NDF: 1591.2/17

Left In: 0.622+/-0.036 χ^2/NDF:6848.0/17

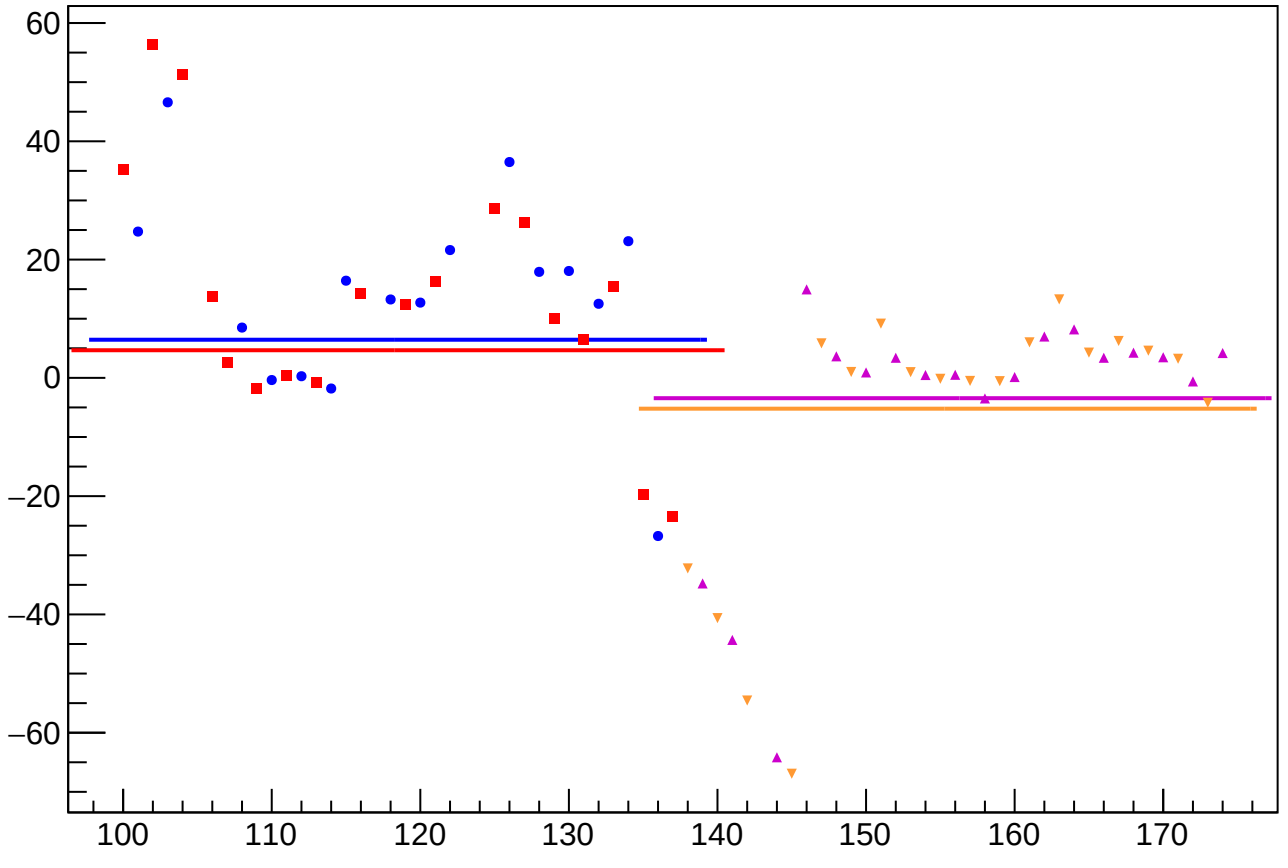
Left: 0.815+/-0.027 χ^2/NDF: 11149.2/35

Right: 1.079+/-0.041 χ^2/NDF: 4188.7/33

In: 0.759+/-0.031 χ^2/NDF:9498.9/33

Out: 1.050+/-0.033 χ^2/NDF:5826.5/35

All: 0.894+/-0.023 χ^2/NDF: 15366.6/69



Right In: 6.448+/-0.065 χ^2/NDF: 70815.1/15

Left Out: -5.211+/-0.055 χ^2/NDF:112483.5/17

Right Out: 4.671+/-0.059 χ^2/NDF: 74420.3/17

Left In: -3.437+/-0.048 χ^2/NDF:120626.4/17

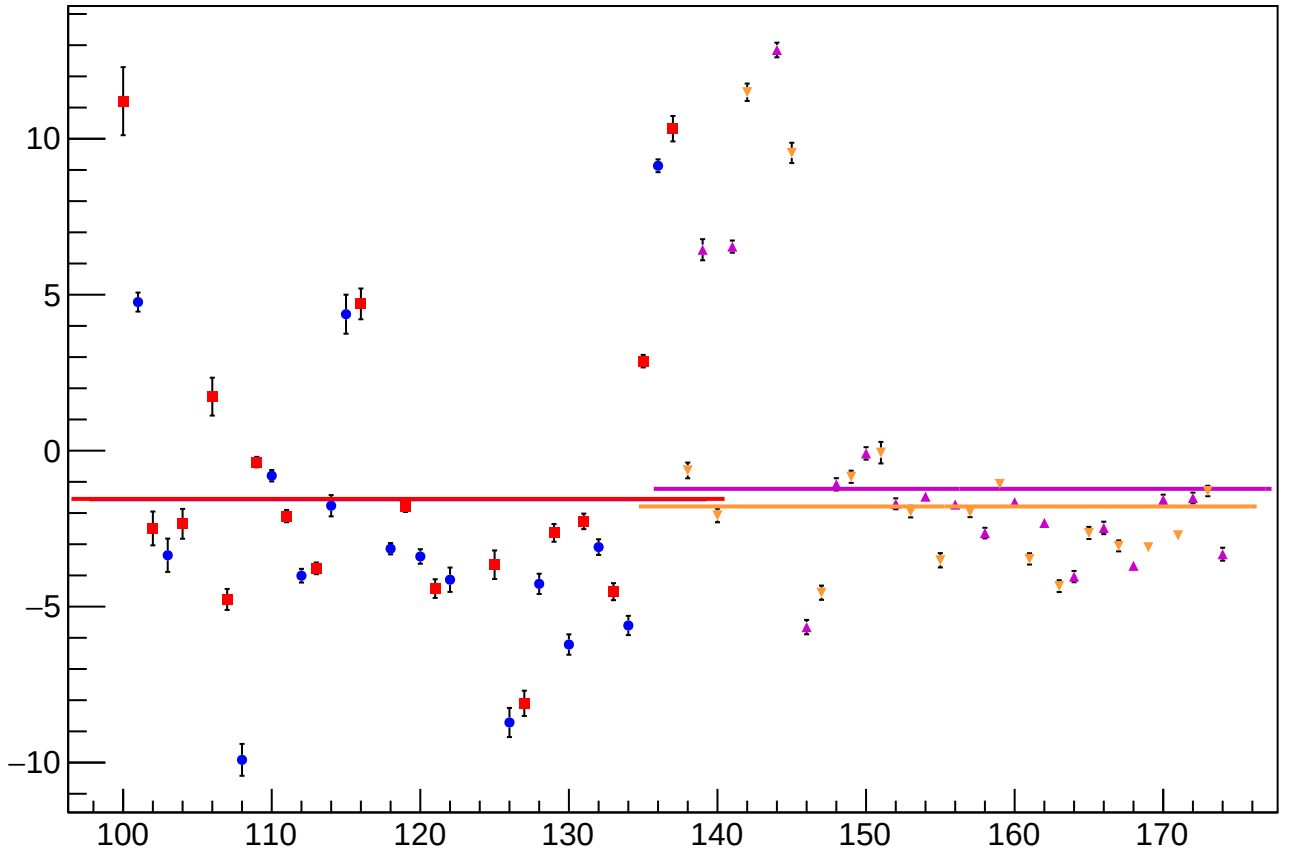
Left: -4.199+/-0.036 χ^2/NDF: 233695.7/35

Right: 5.475+/-0.044 χ^2/NDF: 145645.8/33

In: 0.065+/-0.039 χ^2/NDF:206427.6/33

Out: -0.585+/-0.040 χ^2/NDF:201819.5/35

All: -0.246+/-0.028 χ^2/NDF: 408382.1/69



Right In: -1.558+/-0.069 χ^2/NDF: 4543.1/15

Left Out: -1.789+/-0.046 χ^2/NDF:4229.9/17

Right Out: -1.547+/-0.064 χ^2/NDF: 2470.1/17

Left In: -1.224+/-0.040 χ^2/NDF:6863.1/17

Left: -1.470+/-0.030 χ^2/NDF: 11178.0/35

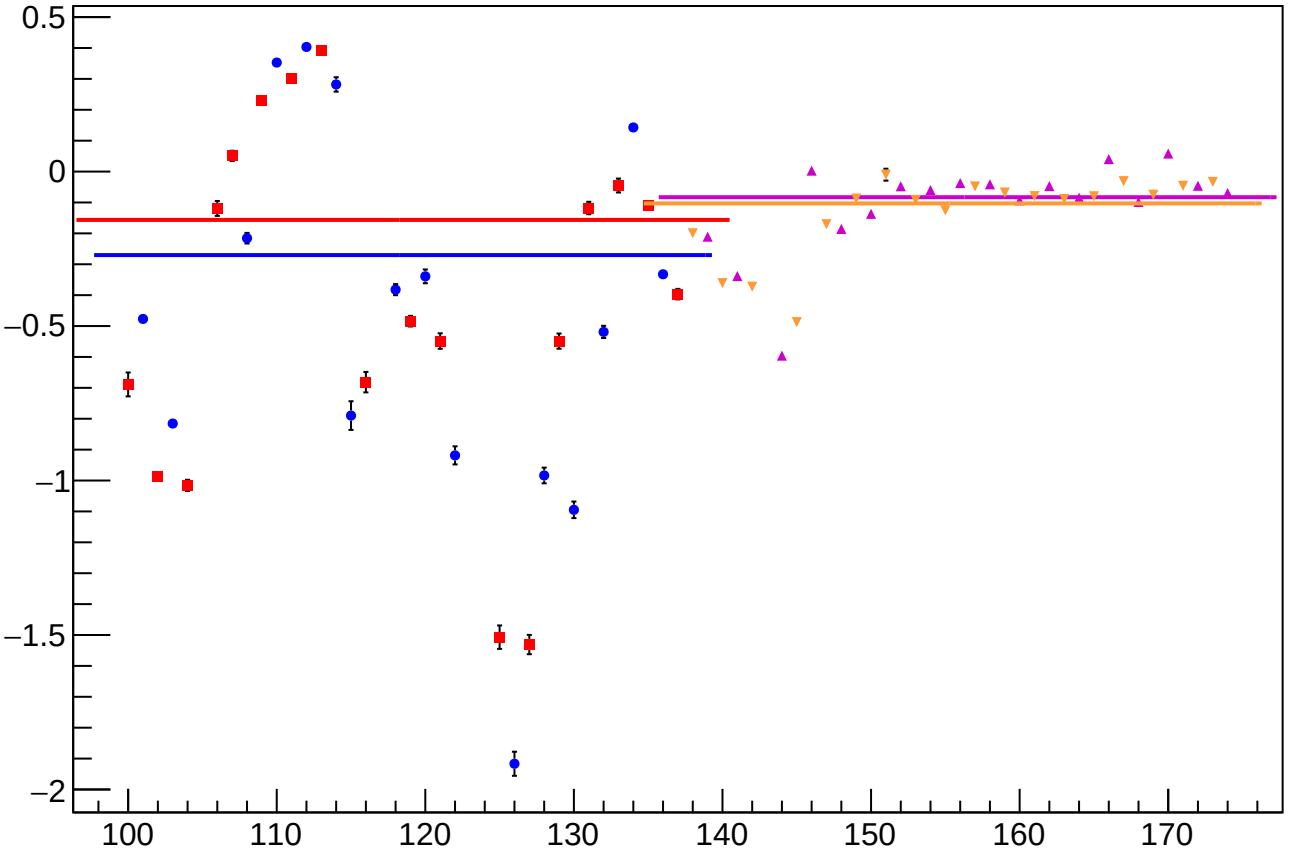
Right: -1.552+/-0.047 χ^2/NDF: 7013.2/33

In: -1.309+/-0.035 χ^2/NDF:11423.6/33

Out: -1.707+/-0.038 χ^2/NDF:6709.4/35

All: -1.494+/-0.026 χ^2/NDF: 18193.3/69

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.270+/-0.004 χ^2/NDF: 12096.8/15

Left Out: -0.103+/-0.002 χ^2/NDF:2377.9/17

Right Out: -0.156+/-0.004 χ^2/NDF: 15030.0/17

Left In: -0.083+/-0.002 χ^2/NDF:3677.6/17

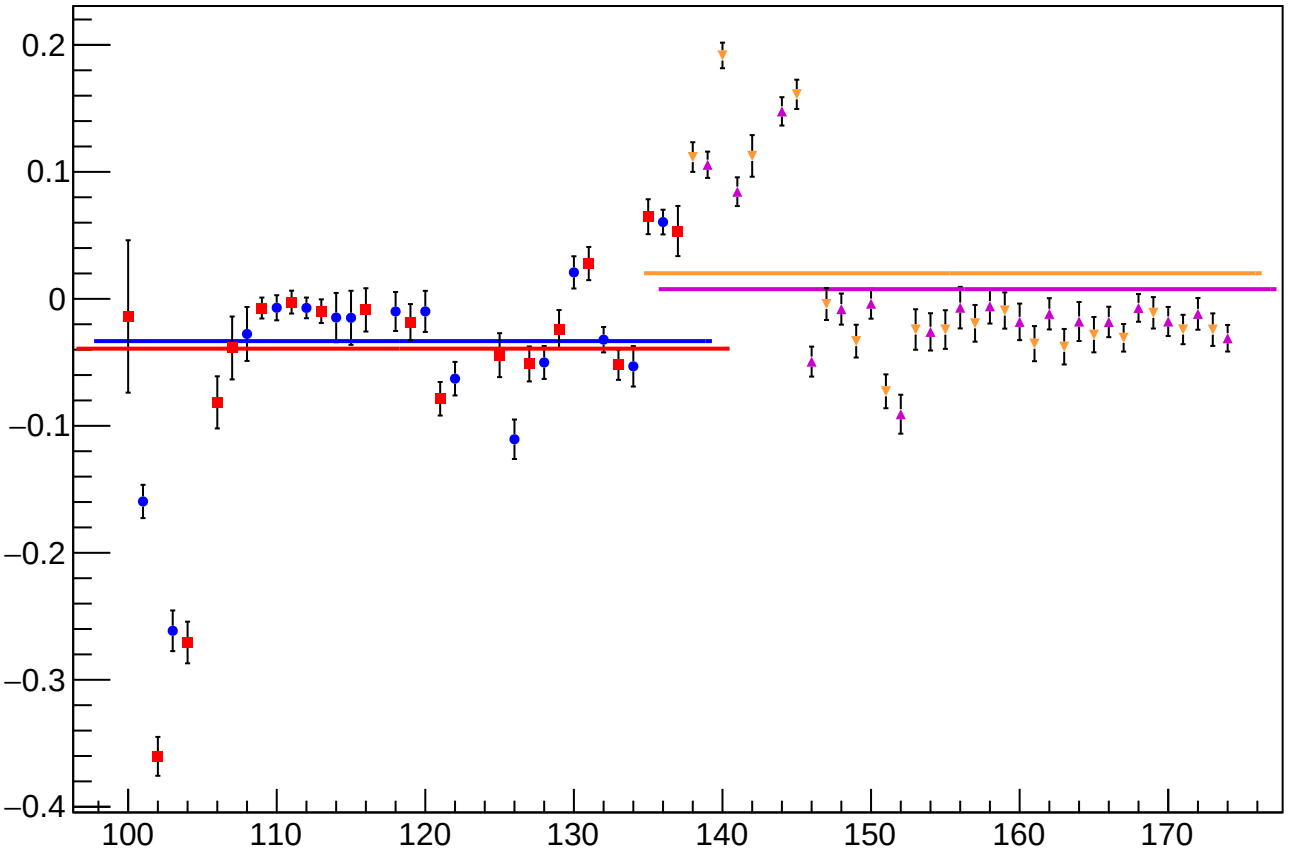
Left: -0.091+/-0.001 χ^2/NDF: 6113.0/35

Right: -0.208+/-0.003 χ^2/NDF: 27539.3/33

In: -0.110+/-0.002 χ^2/NDF:17525.0/33

Out: -0.115+/-0.002 χ^2/NDF:17563.0/35

All: -0.112+/-0.001 χ^2/NDF: 35091.2/69



Right In: -0.033+/-0.003 χ^2/NDF: 463.5/15

Left Out: 0.020+/-0.003 χ^2/NDF:730.5/17

Right Out: -0.039+/-0.003 χ^2/NDF: 807.6/17

Left In: 0.008+/-0.003 χ^2/NDF:402.5/17

Left: 0.014+/-0.002 χ^2/NDF: 1141.9/35

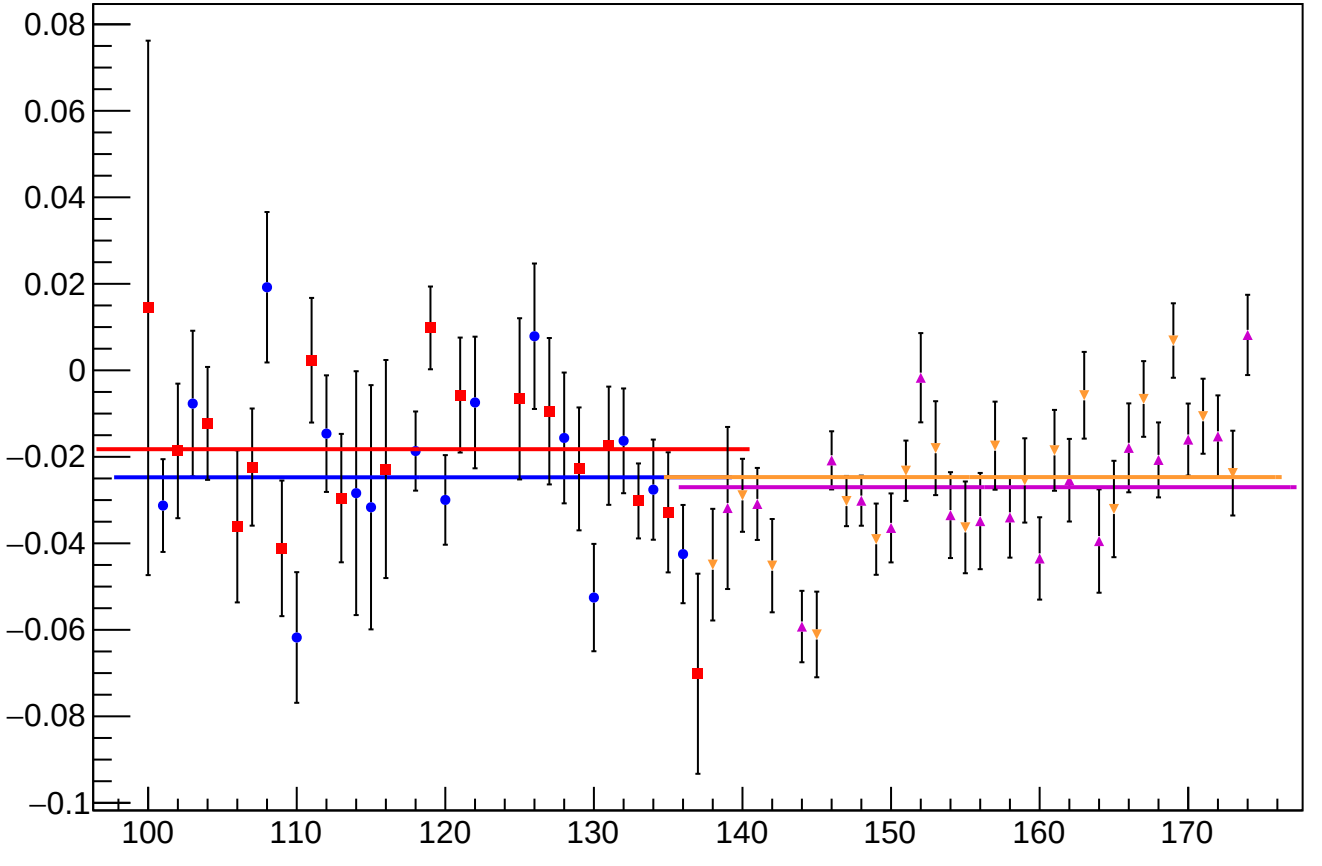
Right: -0.036+/-0.002 χ^2/NDF: 1272.8/33

In: -0.011+/-0.002 χ^2/NDF:955.1/33

Out: -0.008+/-0.002 χ^2/NDF:1720.4/35

All: -0.009+/-0.002 χ^2/NDF: 2676.2/69

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.025+/-0.003 χ^2/NDF: 28.5/15

Left Out: -0.025+/-0.002 χ^2/NDF:50.7/17

Right Out: -0.018+/-0.003 χ^2/NDF: 24.7/17

Left In: -0.027+/-0.002 χ^2/NDF:48.6/17

Left: -0.026+/-0.001 χ^2/NDF: 100.0/35

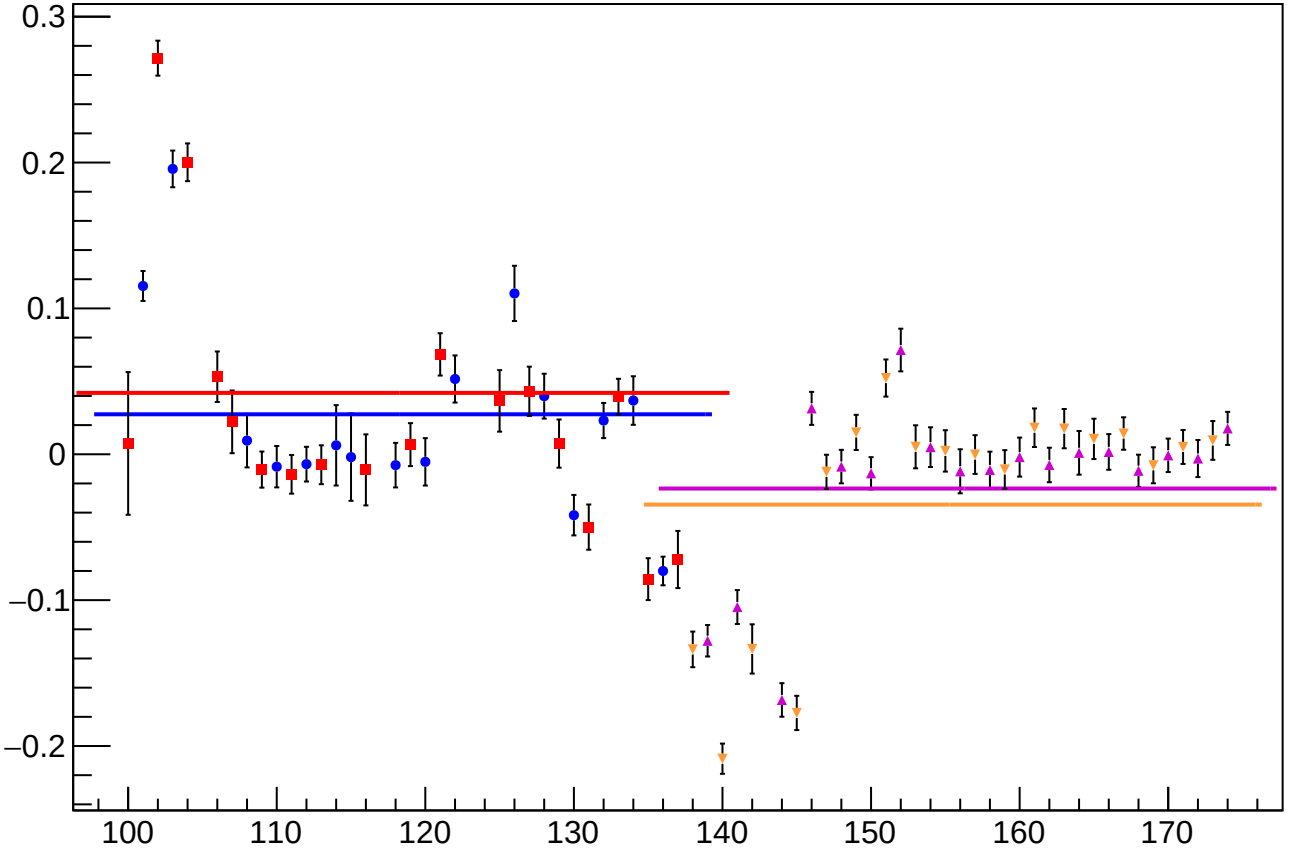
Right: -0.022+/-0.002 χ^2/NDF: 55.1/33

In: -0.026+/-0.002 χ^2/NDF:77.5/33

Out: -0.023+/-0.002 χ^2/NDF:78.0/35

All: -0.025+/-0.001 χ^2/NDF: 157.5/69

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.027+/-0.004 χ^2/NDF: 446.1/15

Left Out: -0.034+/-0.003 χ^2/NDF:710.1/17

Right Out: 0.042+/-0.004 χ^2/NDF: 733.2/17

Left In: -0.023+/-0.003 χ^2/NDF:407.9/17

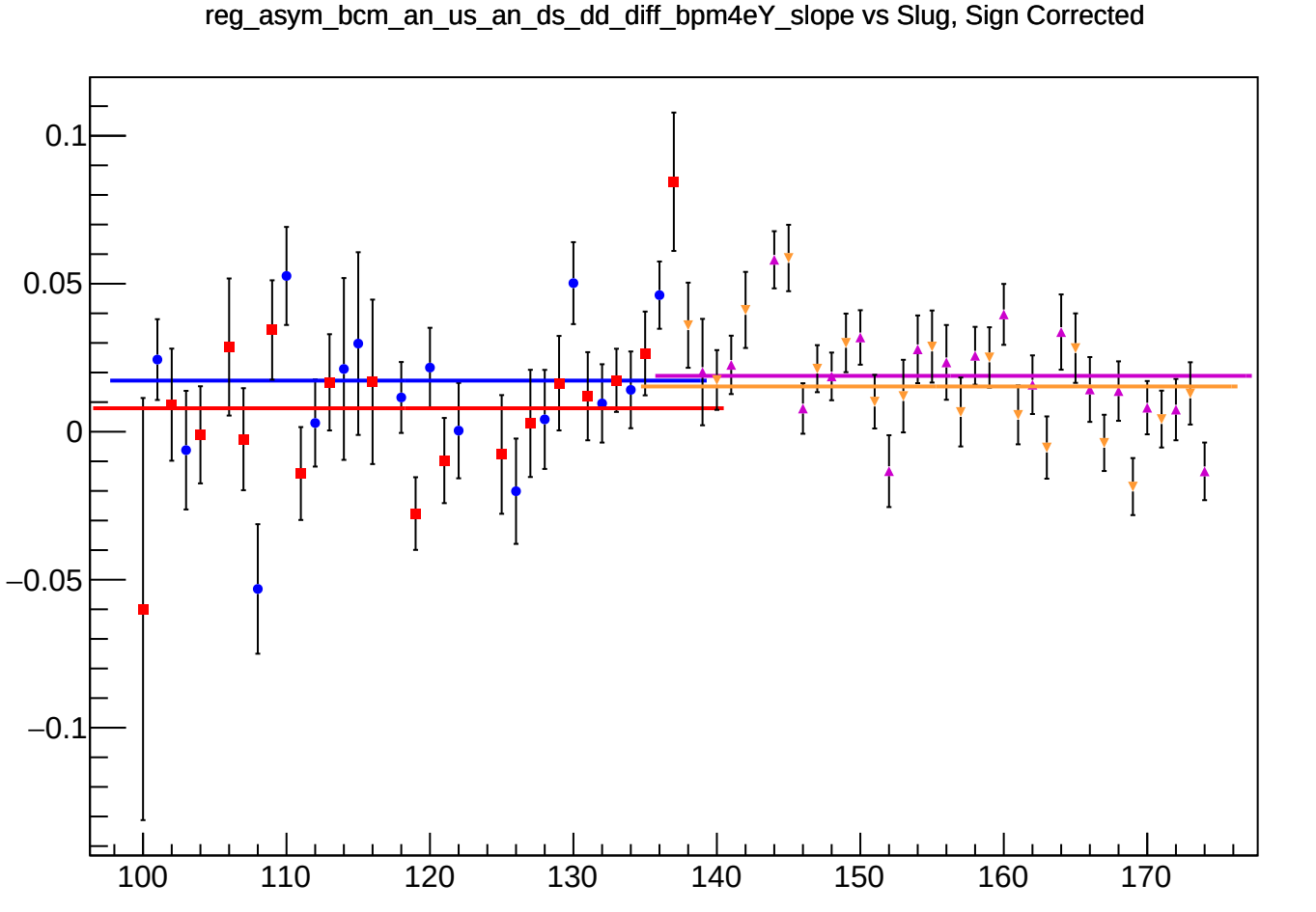
Left: -0.029+/-0.002 χ^2/NDF: 1125.1/35

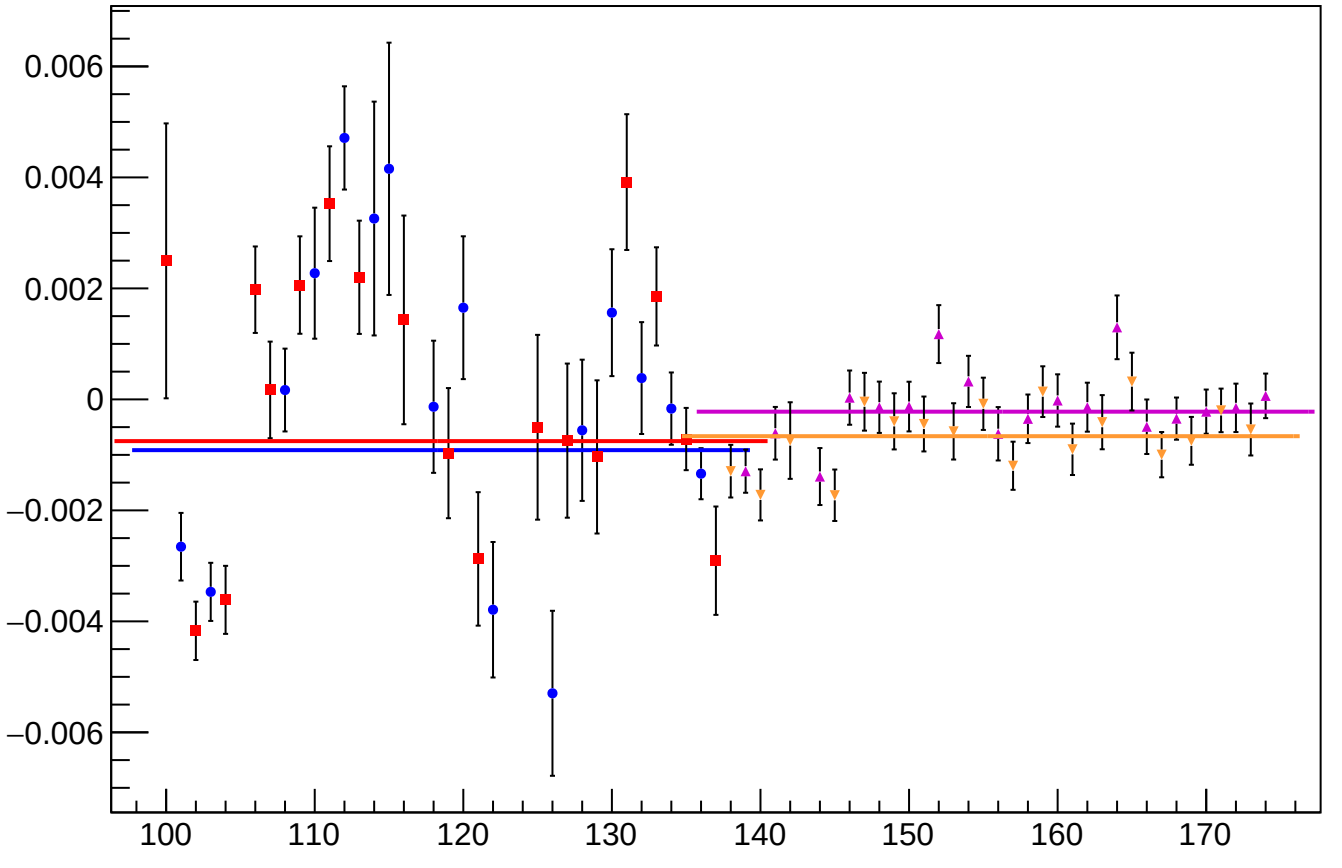
Right: 0.035+/-0.003 χ^2/NDF: 1187.6/33

In: -0.004+/-0.002 χ^2/NDF:977.4/33

Out: -0.004+/-0.002 χ^2/NDF:1708.2/35

All: -0.004+/-0.002 χ^2/NDF: 2685.5/69


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: 0.017+/-0.004 χ²/NDF: 36.7/15
Left Out: 0.015+/-0.002 χ²/NDF:50.7/17
Right Out: 0.008+/-0.004 χ²/NDF: 31.4/17
Left In: 0.019+/-0.002 χ²/NDF:48.1/17
Left: 0.017+/-0.002 χ²/NDF: 99.9/35
Right: 0.013+/-0.003 χ²/NDF: 71.0/33
In: 0.018+/-0.002 χ²/NDF:84.9/33
Out: 0.013+/-0.002 χ²/NDF:84.7/35
All: 0.016+/-0.001 χ²/NDF: 172.8/69



Right In: -0.001+/-0.000 χ^2/NDF: 114.1/15

Left Out: -0.001+/-0.000 χ^2/NDF:26.7/17

Right Out: -0.001+/-0.000 χ^2/NDF: 147.6/17

Left In: -0.000+/-0.000 χ^2/NDF:31.3/17

Left: -0.000+/-0.000 χ^2/NDF: 66.2/35

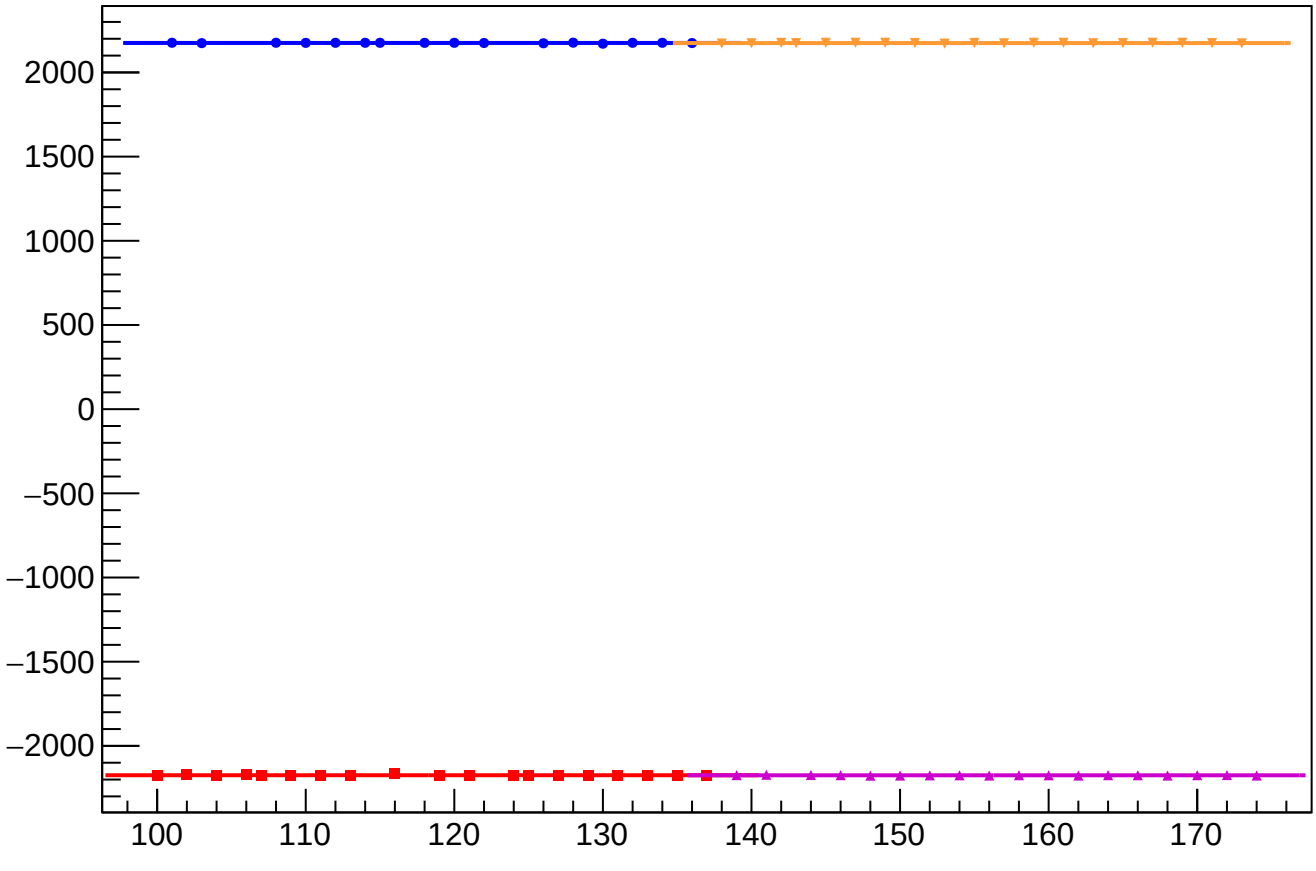
Right: -0.001+/-0.000 χ^2/NDF: 261.9/33

In: -0.000+/-0.000 χ^2/NDF:153.9/33

Out: -0.001+/-0.000 χ^2/NDF:174.4/35

All: -0.001+/-0.000 χ^2/NDF: 333.8/69

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2175.201+/-0.000 χ^2/NDF: 176572407292366018093705133136281 6.0/15

Left Out: 2174.486+/-0.000 χ^2/NDF:42542141987360910012050453739601 92.0/18

Right Out: -2174.324+/-0.000 χ^2/NDF: 554223941568104692872352720171 8272.0/18

Left In: -2174.677+/-0.000 χ^2/NDF:30220701958063831429533696702545 92.0/17

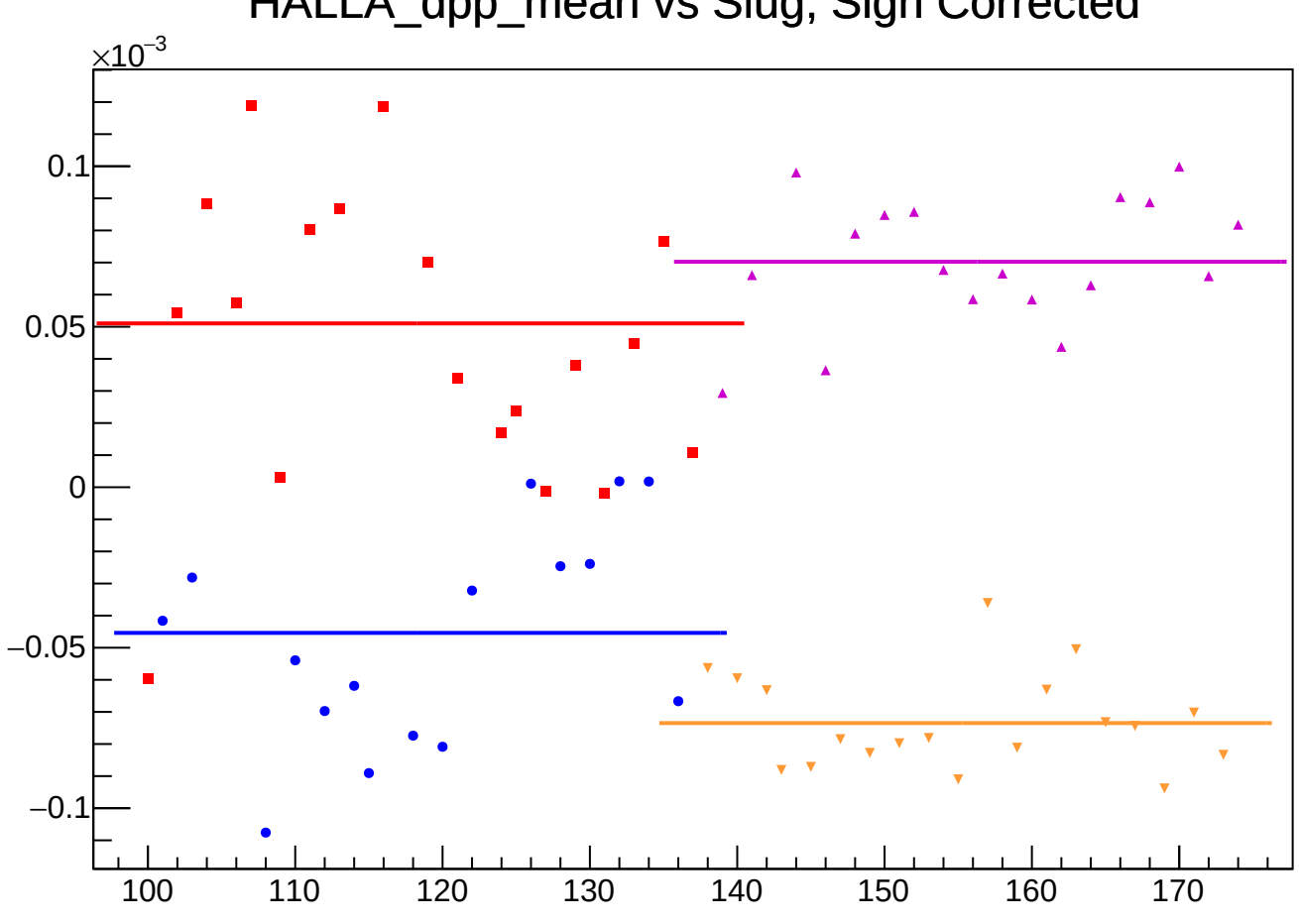
Left: 14.574+/-0.000 χ^2/NDF: 14720104900430882

Right: -31.373+/-0.000 χ^2/NDF: 7111791049076111

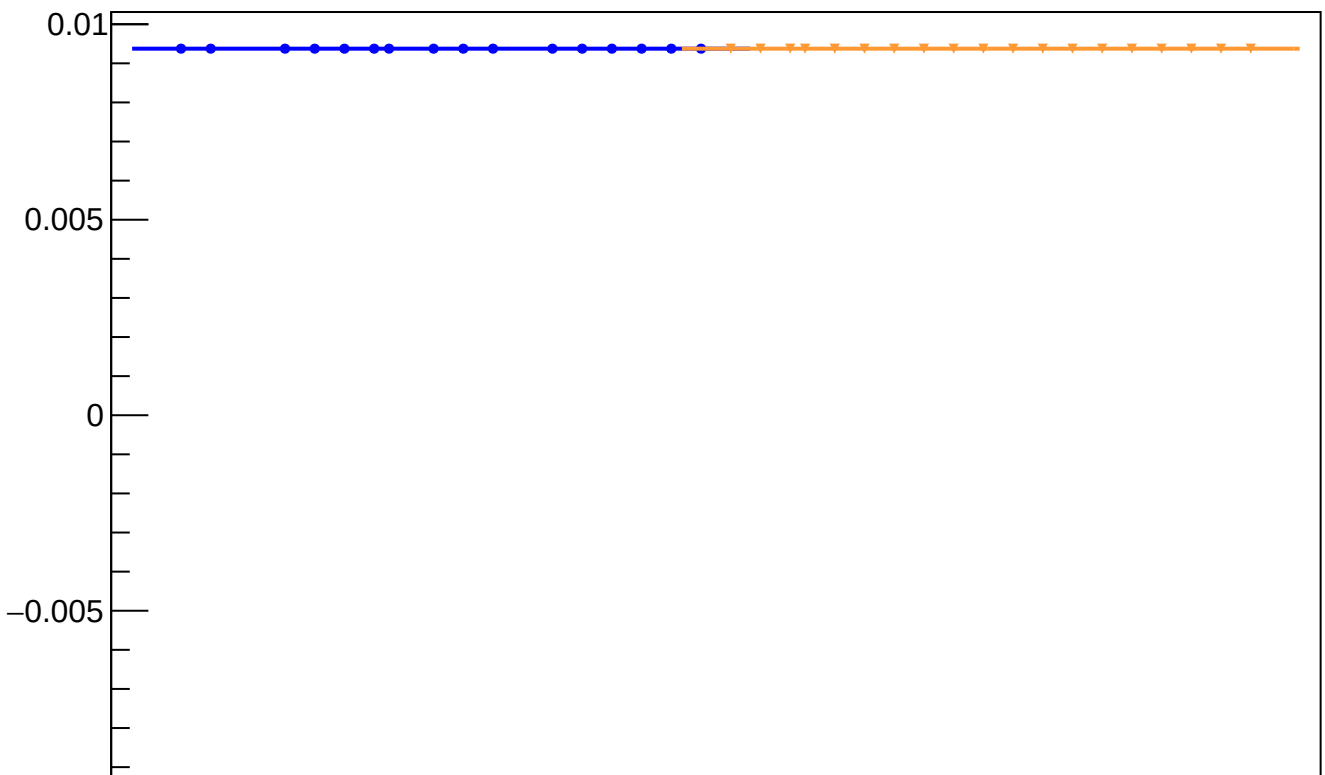
In: -765.293+/-0.000 χ^2/NDF:9477980442026477

Out: 750.391+/-0.000 χ^2/NDF:9704629093416279

All: -0.393+/-0.000 χ^2/NDF: 2183403682241


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
110
120
130
140
150
160
170
Right In: -0.000+/-0.000 χ²/NDF: 7131320813781223777239040.0/15
Left Out: -0.000+/-0.000 χ²/NDF:3440621794538647631953920.0/18
Right Out: 0.000+/-0.000 χ²/NDF: 1011955910720647101153280.0/18
Left In: 0.000+/-0.000 χ²/NDF:59813579503861705893478 4.0/17
Left: -0.000+/-0.000 χ²/NDF: 17021512660868156
Right: 0.000+/-0.000 χ²/NDF: 52193568733401849
In: 0.000+/-0.000 χ²/NDF:8010053688187112541
Out: -0.000+/-0.000 χ²/NDF:93113303151103553
All: -0.000+/-0.000 χ²/NDF: 2227295015107

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 273591064688402564

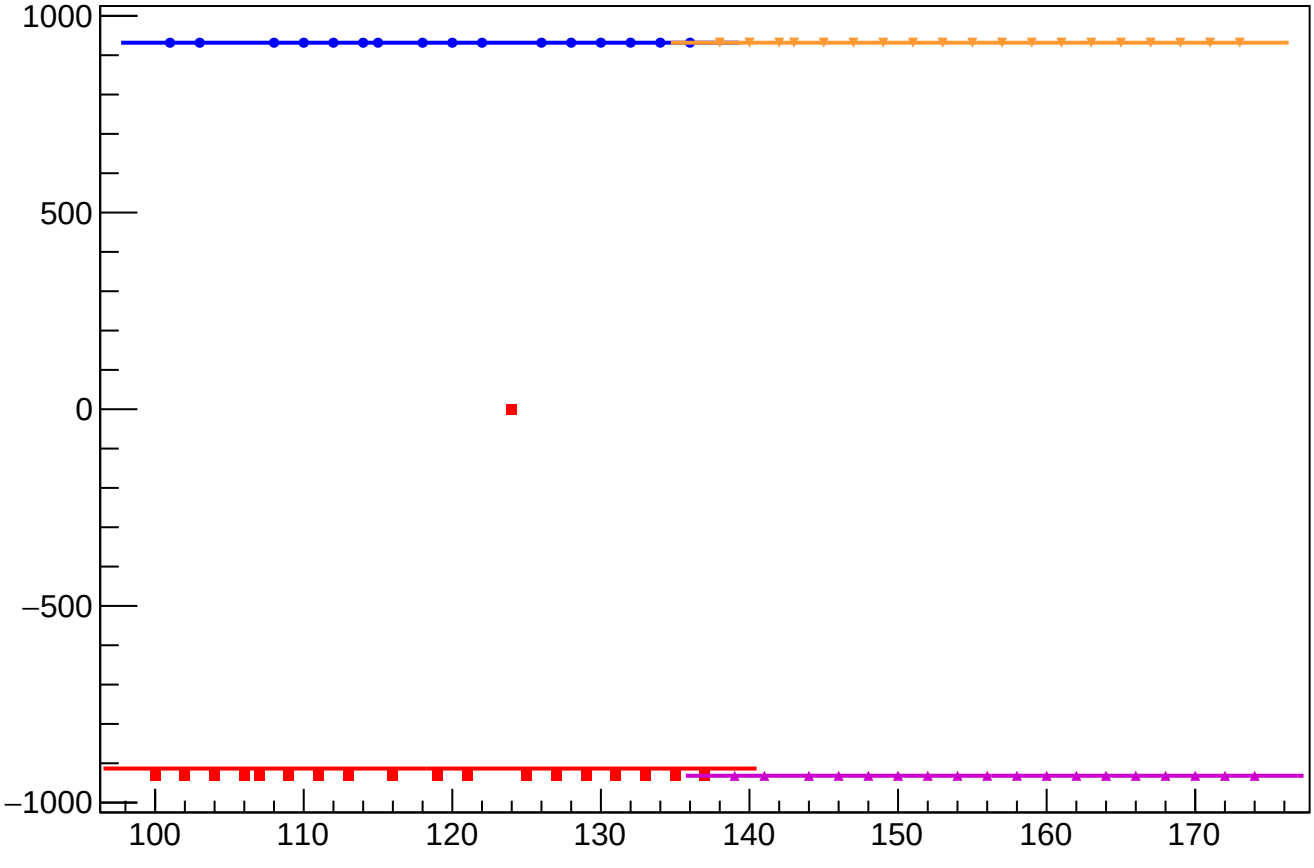
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:18040150549892668

All: -0.000+/-0.000 χ^2/NDF: 4057909965886

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.769+/-0.000 χ^2/NDF: 2757217223595001187167685836800.0/15

Left Out: 931.785+/-0.000 χ^2/NDF:417205646901768167742202550681 6.0/18

Right Out: -913.447+/-0.000 χ^2/NDF: 12765879635094435683491886518824337408.0/18

Left In: -931.775+/-0.000 χ^2/NDF:37178509256942723090943322357 76.0/17

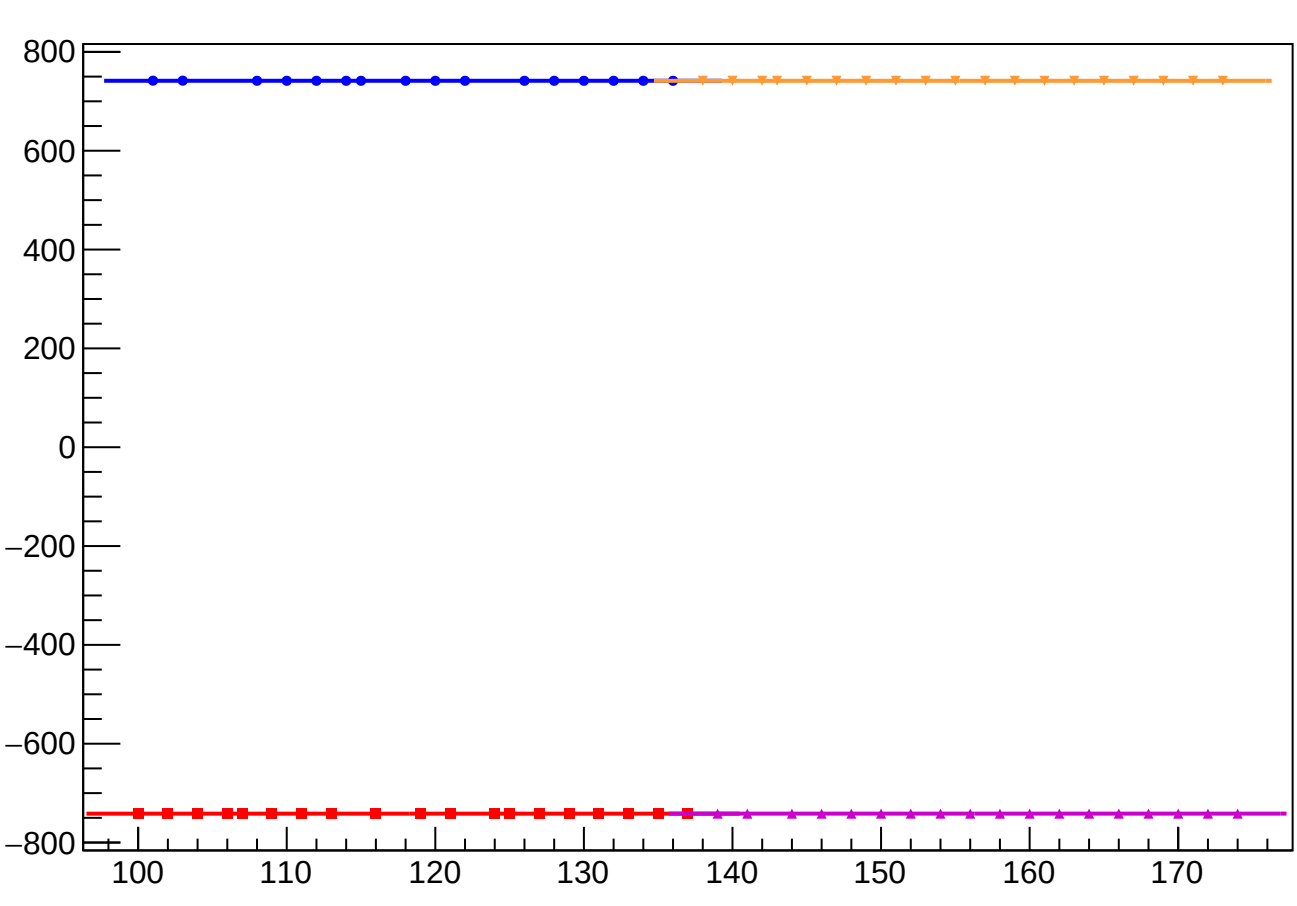
Left: 6.290+/-0.000 χ^2/NDF: 270262705745346028

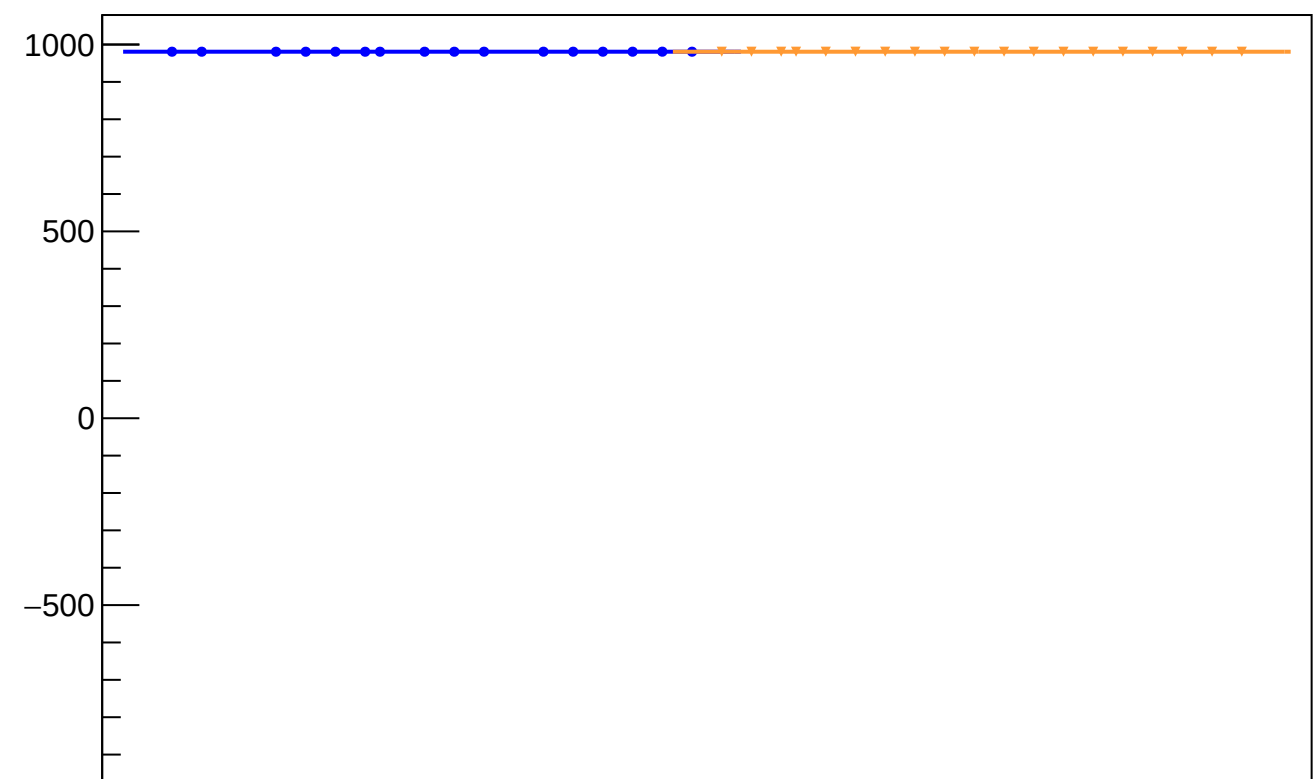
Right: -4.335+/-0.000 χ^2/NDF: 1292705120140630

In: -327.977+/-0.000 χ^2/NDF:1739566702835707

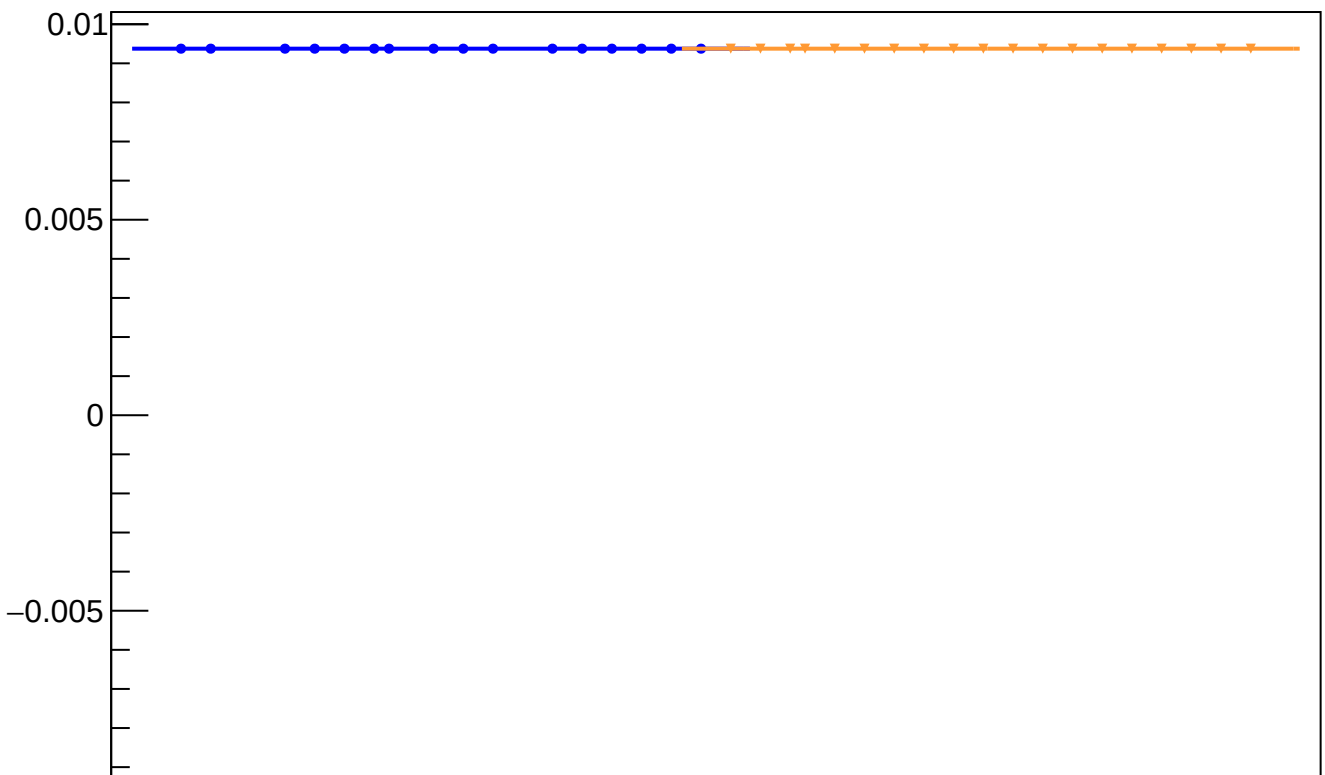
Out: 327.531+/-0.000 χ^2/NDF:175995264527962

All: 2.829+/-0.000 χ^2/NDF: 3995446651509


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
100
110
120
130
140
150
160
170
Left: 5.002+/-0.000 χ²/NDF: 171157738260020544
Right In: 741.569+/-0.000 χ²/NDF: 643295117612794706193889938636 8.0/15
Right: -10.851+/-0.000 χ²/NDF: 826918104240998
Left Out: 741.513+/-0.000 χ²/NDF:208225481052279104857863880704.0/18
In: -260.986+/-0.000 χ²/NDF:1101771268535179
Right Out: -741.577+/-0.000 χ²/NDF: 769226394789261471153747761 5616.0/18
Out: 255.849+/-0.000 χ²/NDF:1128684256315174
Left In: -741.512+/-0.000 χ²/NDF:203639733801953693167221997568.0/17
All: -0.162+/-0.000 χ²/NDF: 2538750367918


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Left: 6.613+/-0.000 χ²/NDF: 29942967791412324
Right In: 980.804+/-0.000 χ²/NDF: 9333132768848077867742459330560/15
Right: -14.307+/-0.000 χ²/NDF: 144638600880856
Left Out: 980.768+/-0.000 χ²/NDF:7125826181255102404421421629440/18
In: -345.213+/-0.000 χ²/NDF:1927404350694590
Right Out: -980.725+/-0.000 χ²/NDF: 560402056173583362216628762705920/18
Out: 338.442+/-0.000 χ²/NDF:1974290641164801
Left In: -980.774+/-0.000 χ²/NDF:1449884416392240201581417463808/17
All: -0.202+/-0.000 χ²/NDF: 4441126580461

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

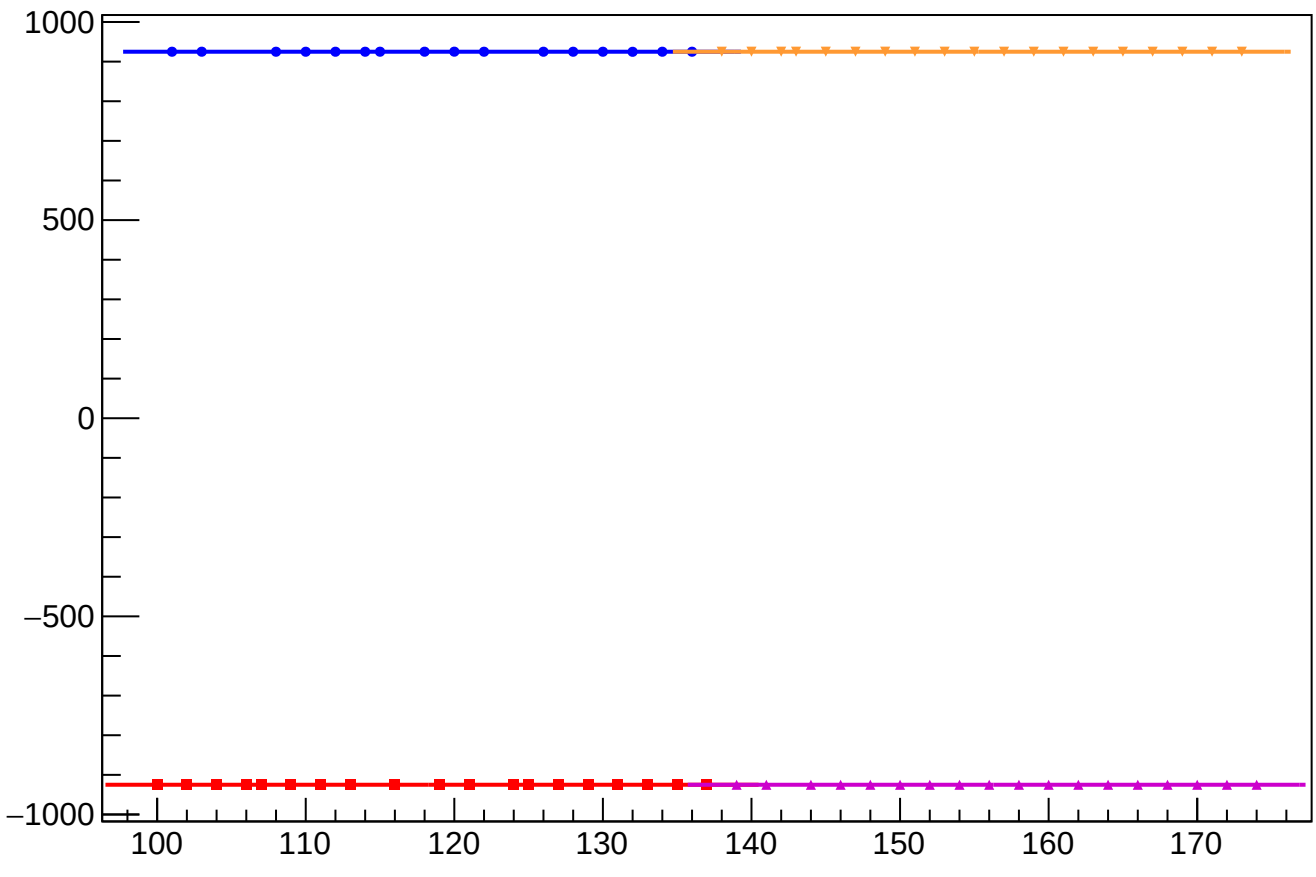
Left: 0.000+/-0.000 χ^2/NDF: 273591064688402564

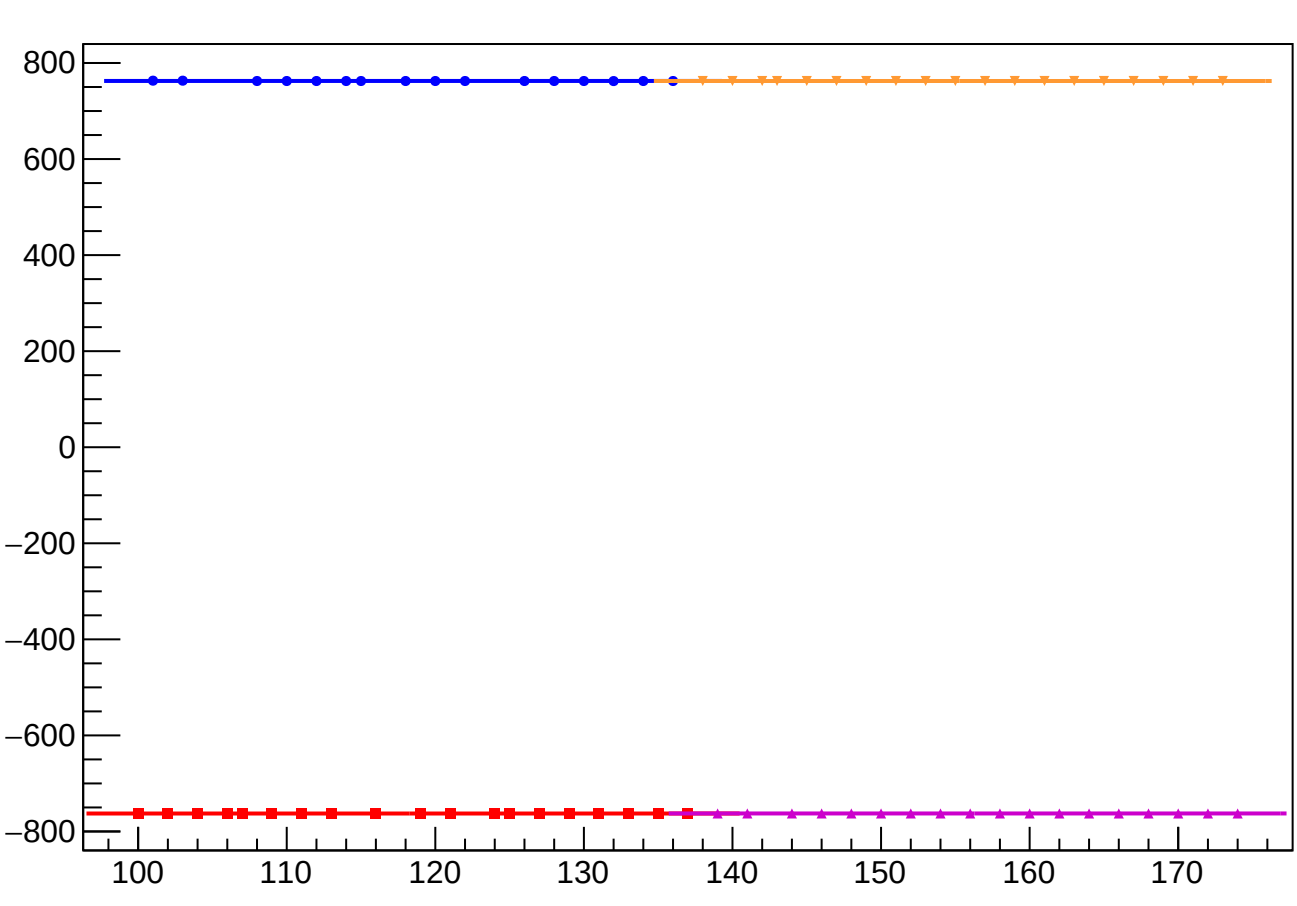
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

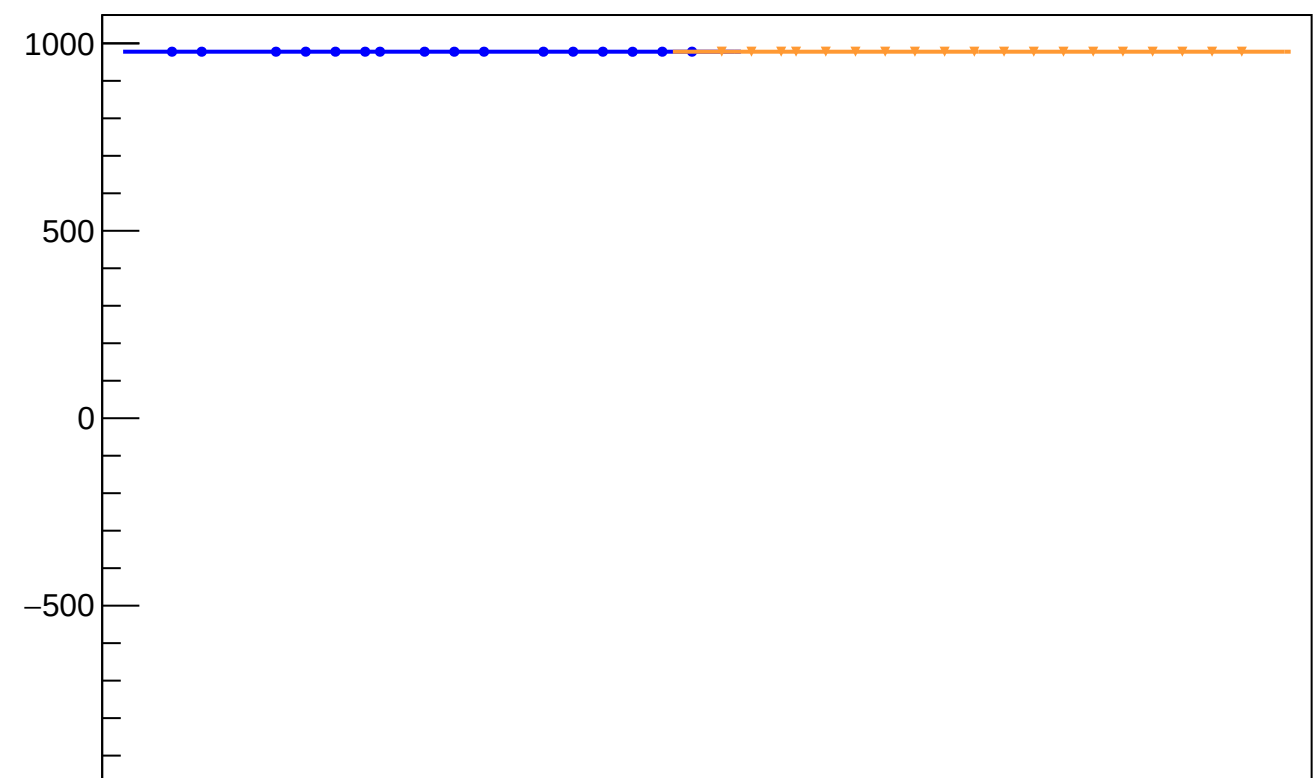
Out: 0.003+/-0.000 χ^2/NDF:18040150549892668

All: -0.000+/-0.000 χ^2/NDF: 4057909965886


HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
110
120
130
140
150
160
170
Left: 6.239+/-0.000 χ²/NDF: 266335143646625018
Right In: 924.966+/-0.000 χ²/NDF: 254437050808765880053303712153 6.0/15
Right: -13.534+/-0.000 χ²/NDF: 128650155911450
Left Out: 924.984+/-0.000 χ²/NDF:8808042150269588674943511429 12.0/18
In: -325.591+/-0.000 χ²/NDF:1714281802030927
Right Out: -924.974+/-0.000 χ²/NDF: 124198152111689090023635183206 4.0/18
Out: 319.182+/-0.000 χ²/NDF:1756149359715691
Left In: -924.985+/-0.000 χ²/NDF:749758395582834583706005405696.0/17
All: -0.202+/-0.000 χ²/NDF: 3950249481978


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
Left: 5.143+/-0.000 χ²/NDF: 180990125065918828
Right In: 762.611+/-0.000 χ²/NDF: 52161453489138778834460408283136.0/15
Right: -11.159+/-0.000 χ²/NDF: 8745102746392638
Left Out: 762.513+/-0.000 χ²/NDF:583367061091577607127599939584.0/18
In: -268.366+/-0.000 χ²/NDF:1165125249393290
Right Out: -762.618+/-0.000 χ²/NDF: 5313433853263039584129784374886 4.0/18
Out: 263.082+/-0.000 χ²/NDF:1193581405103327
Left In: -762.515+/-0.000 χ²/NDF:533014530113815682864562307072.0/17
All: -0.167+/-0.000 χ²/NDF: 2684681020806

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.749+/-0.000 χ^2/NDF: 19595783310723160744482245181440.0/15

Left Out: 977.739+/-0.000 χ^2/NDF:1143390998896908697849242320896.0/18

Right Out: -977.747+/-0.000 χ^2/NDF: 178222687781691472632796623672.0/18

Left In: -977.735+/-0.000 χ^2/NDF:107937605337458395265295083110 4.0/17

Left: 6.597+/-0.000 χ^2/NDF: 297579799229850343

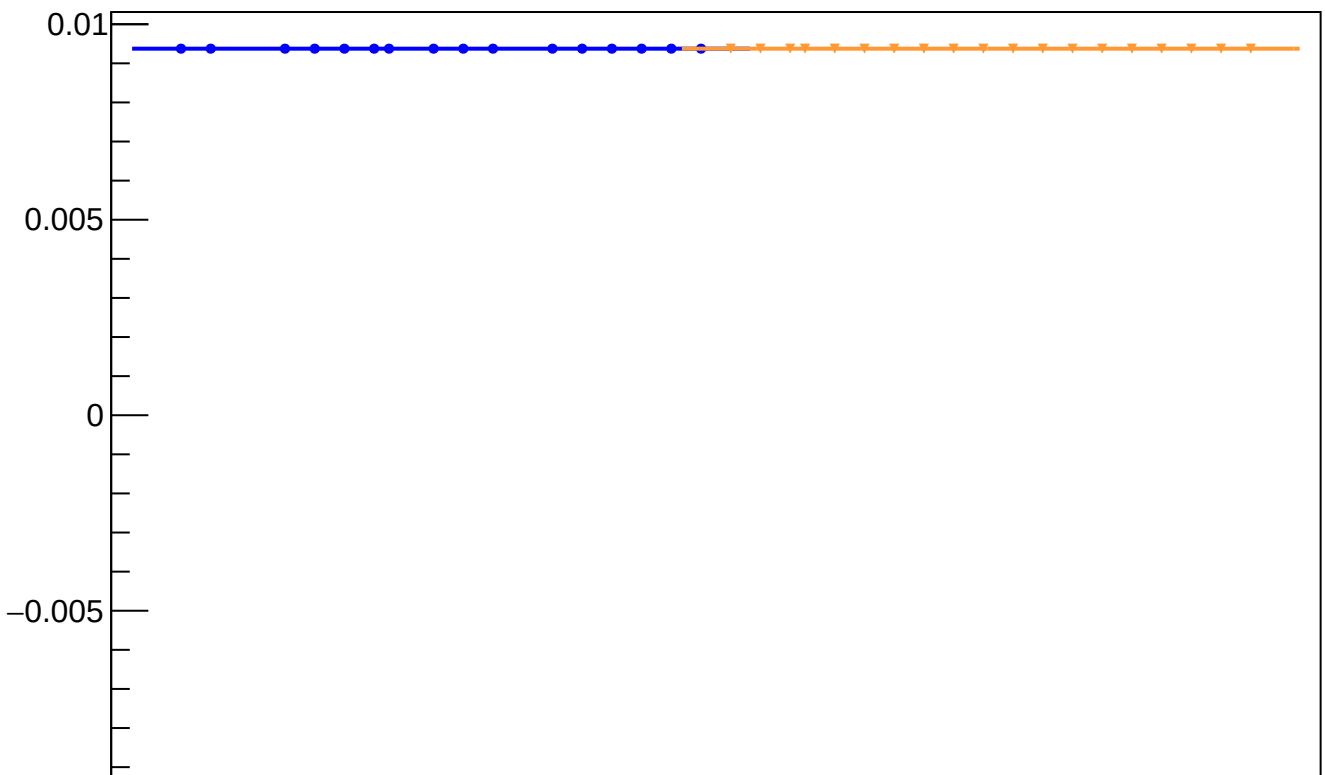
Right: -14.301+/-0.000 χ^2/NDF: 143750377983115

In: -344.148+/-0.000 χ^2/NDF:1915447854070295

Out: 337.380+/-0.000 χ^2/NDF:1962216754588418

All: -0.210+/-0.000 χ^2/NDF: 4413744664687

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

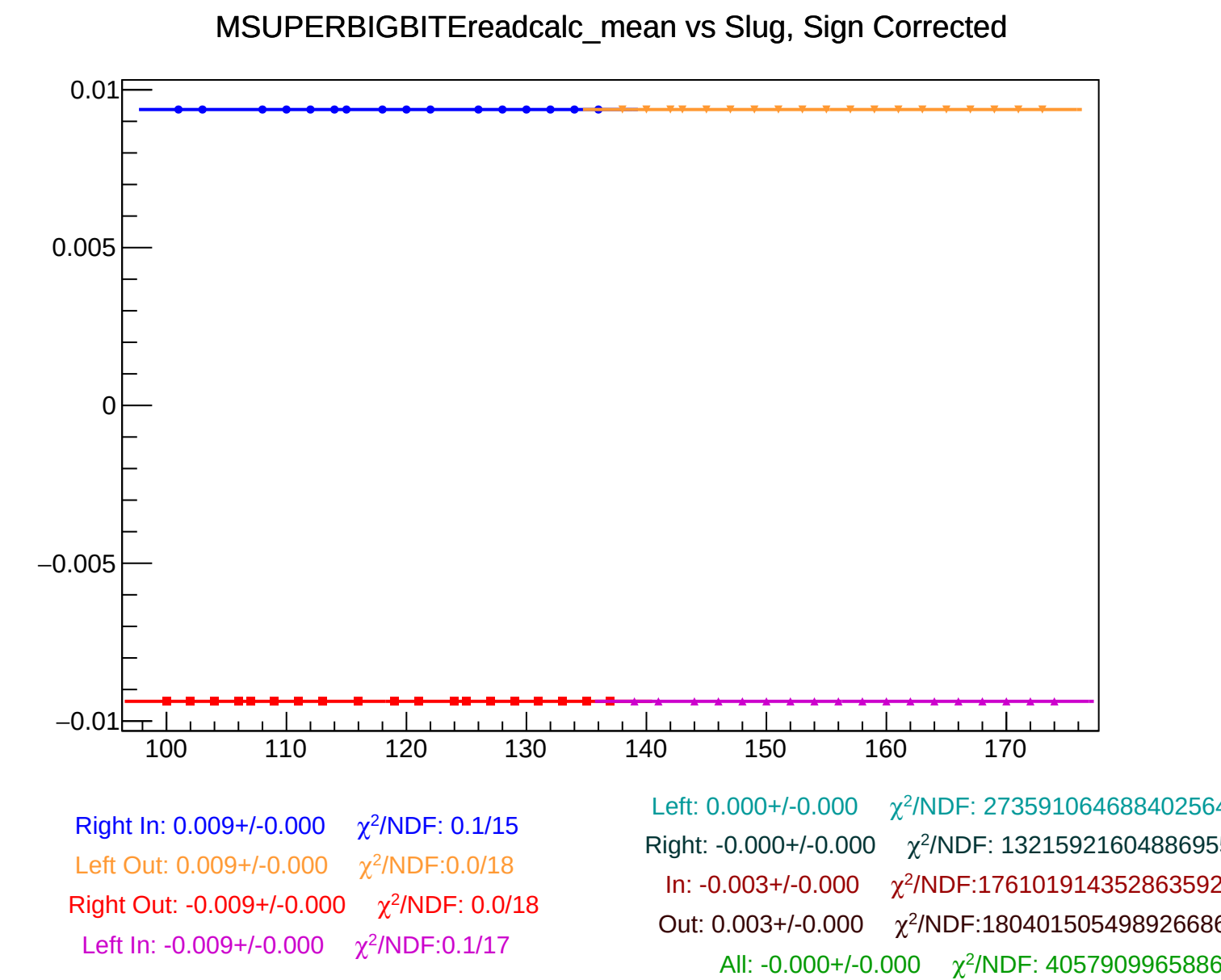
Left: 0.000+/-0.000 χ^2/NDF: 273591064688402564

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

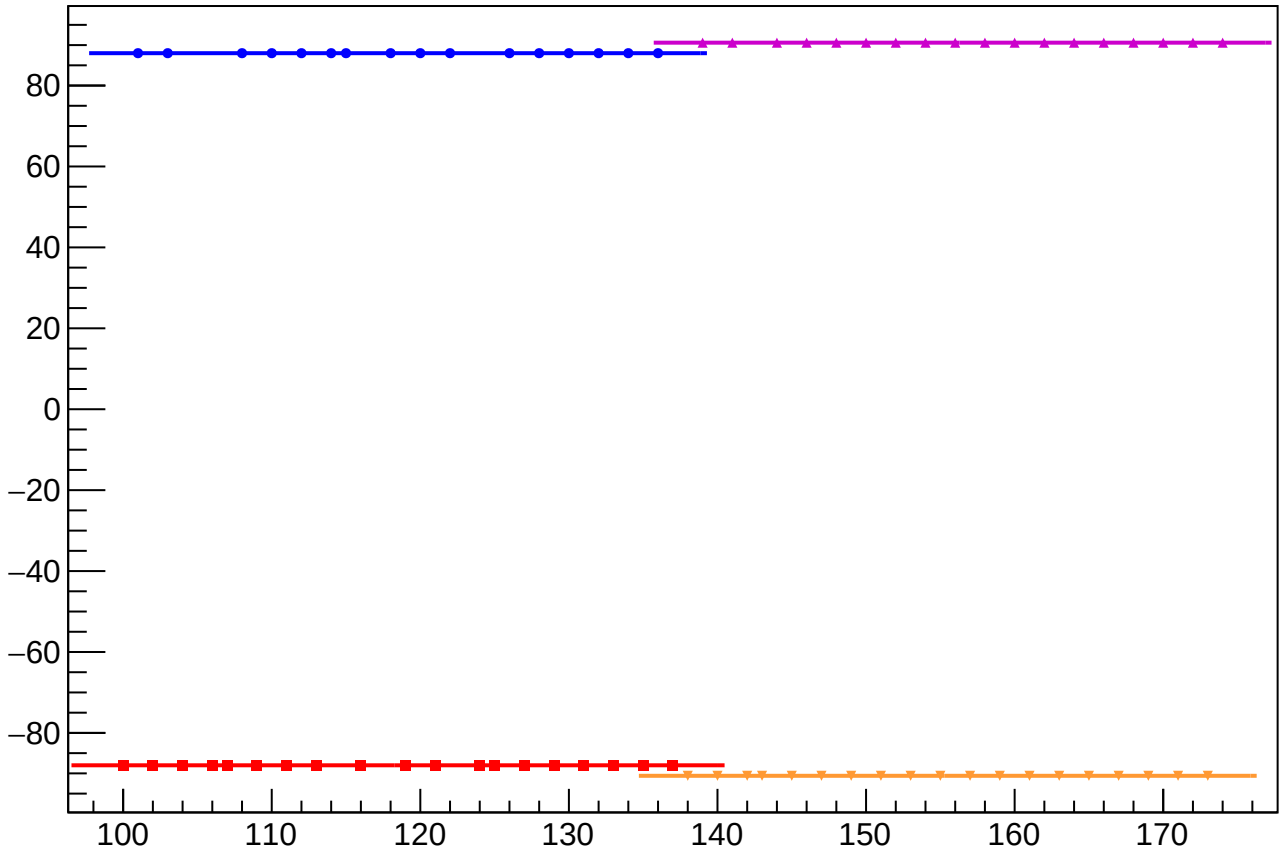
In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:18040150549892668

All: -0.000+/-0.000 χ^2/NDF: 4057909965886


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:0.0/18
Right Out: -0.009+/-0.000 χ²/NDF: 0.0/18
Left In: -0.009+/-0.000 χ²/NDF:0.1/17
Left: 0.000+/-0.000 χ²/NDF: 27359106468840256
Right: -0.000+/-0.000 χ²/NDF: 1321592160488695
In: -0.003+/-0.000 χ²/NDF:176101914352863592
Out: 0.003+/-0.000 χ²/NDF:18040150549892668
All: -0.000+/-0.000 χ²/NDF: 4057909965886

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 1500072.7/15

Left Out: -90.599+/-0.000 χ^2/NDF:4594325.9/18

Right Out: -88.003+/-0.000 χ^2/NDF: 732270589413796643601760911360/18

Left In: 90.599+/-0.000 χ^2/NDF:5276709.5/17

Left: -0.611+/-0.000 χ^2/NDF: 25551065254904838

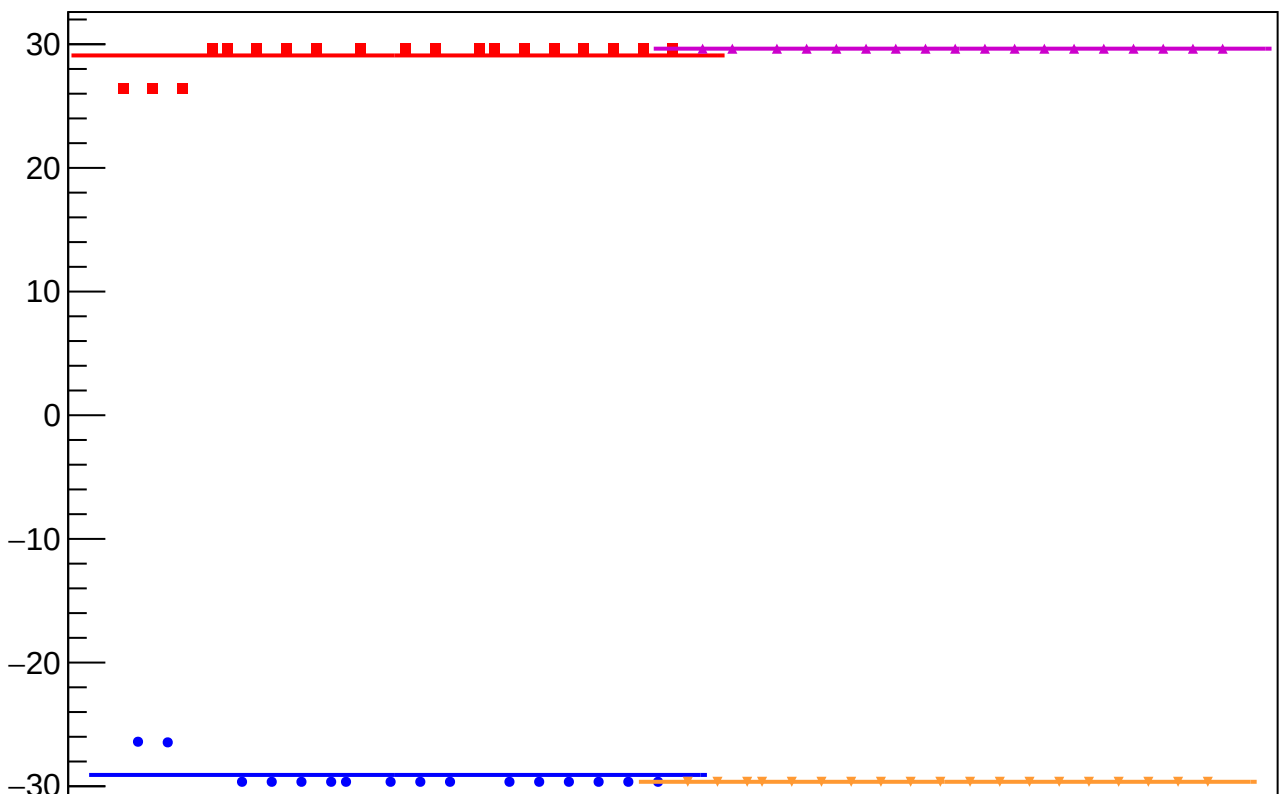
Right: -1.289+/-0.000 χ^2/NDF: 1164502782894649

In: 89.757+/-0.000 χ^2/NDF:338250394744855928

Out: -89.749+/-0.000 χ^2/NDF:3457955668335177

All: -0.832+/-0.000 χ^2/NDF: 3719655846734

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:200219.2/18

Right Out: 29.093+/-0.000 χ^2/NDF: 112523815674969284979780589977600 0.0/18

Left In: 29.641+/-0.000 χ^2/NDF:86421.3/17

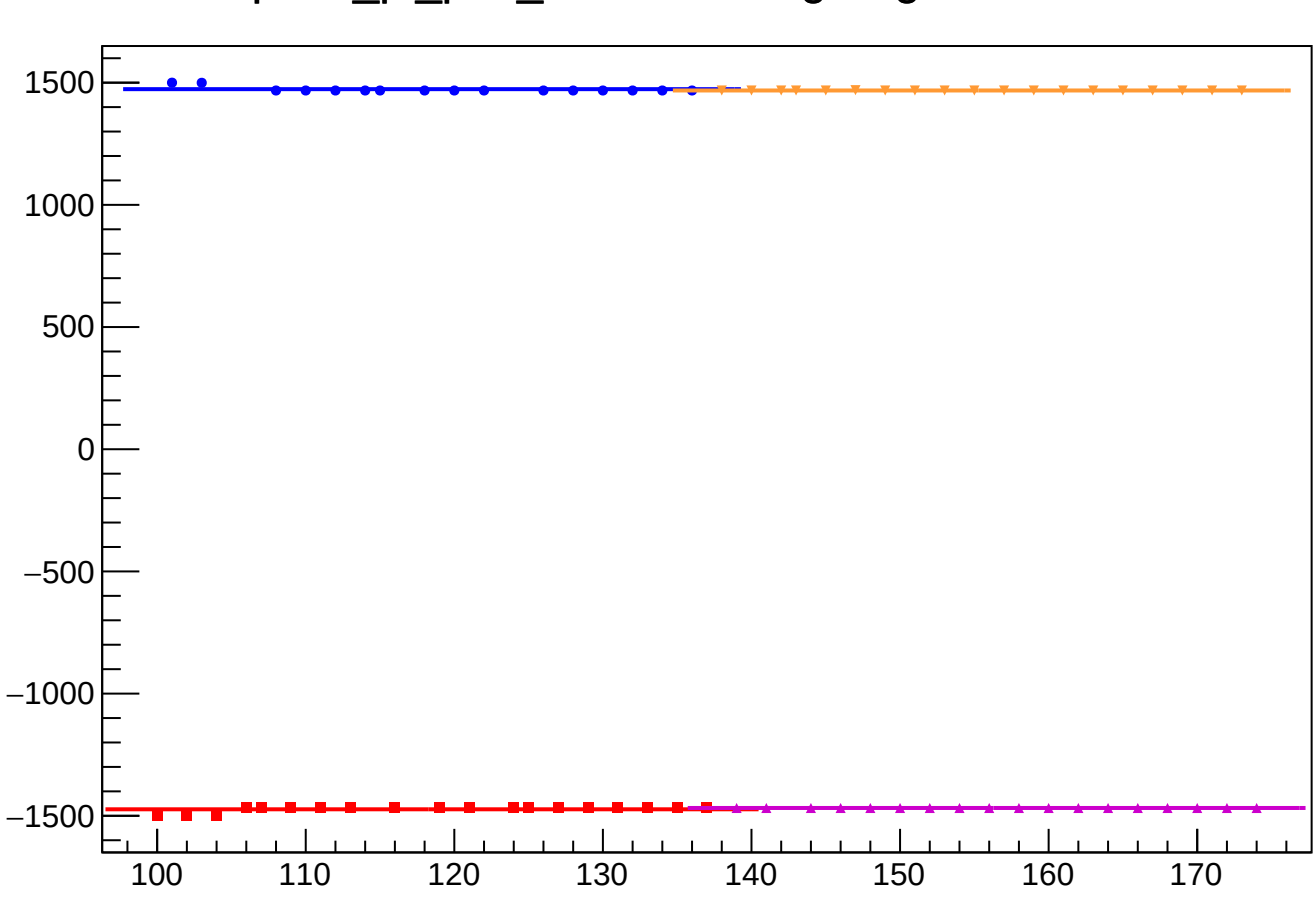
Left: -0.200+/-0.000 χ^2/NDF: 27348679381572333

Right: 0.429+/-0.000 χ^2/NDF: 1274600752257835 8

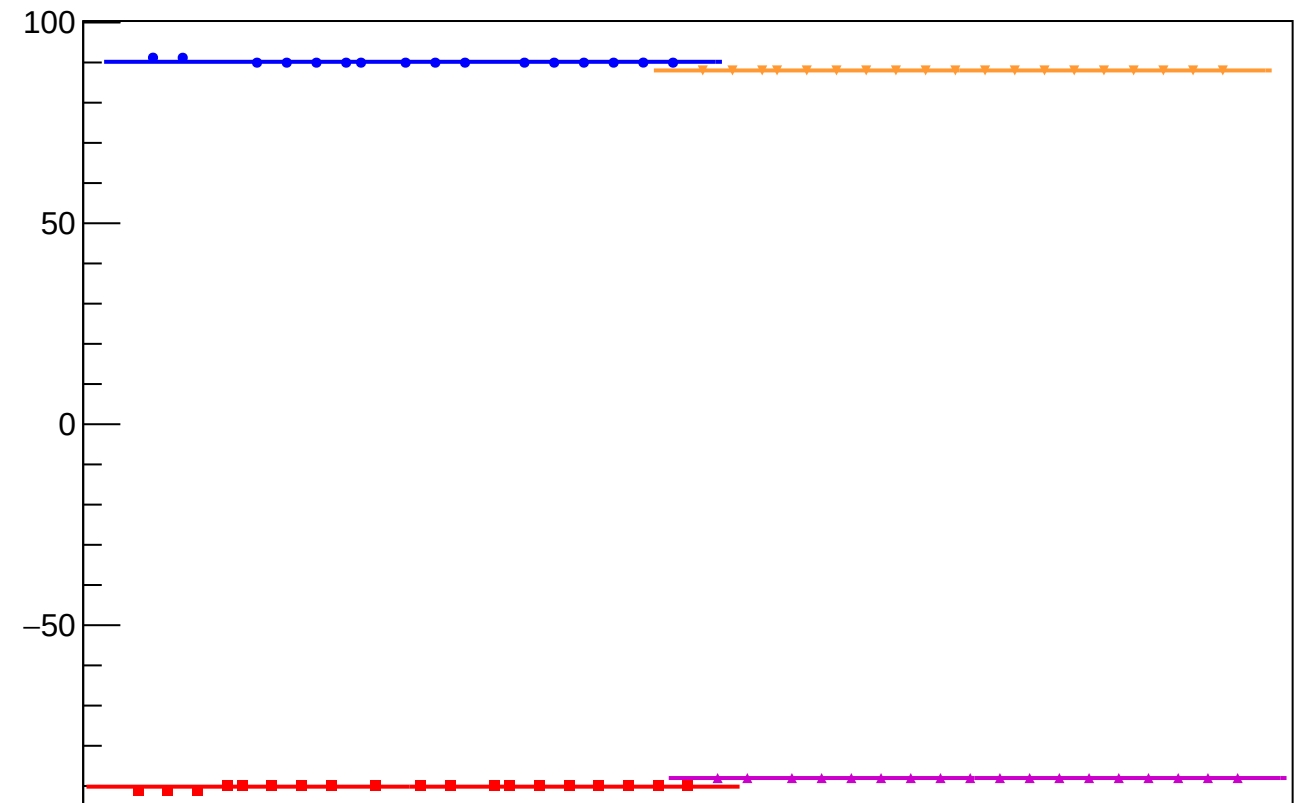
In: 10.613+/-0.000 χ^2/NDF:172861758226617714

Out: -10.407+/-0.000 χ^2/NDF:1771279720525799

All: 0.005+/-0.000 χ^2/NDF: 40098701766591


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Left: 9.940+/-0.000 χ²/NDF: 67085476065054986
Right In: 1473.467+/-0.000 χ²/NDF: 106894194860706176878485793704771584.0/15
Right: -21.516+/-0.000 χ²/NDF: 326469738591460
Left Out: 1468.065+/-0.000 χ²/NDF:13803242291165767431090175003852 8.0/18
In: -514.944+/-0.000 χ²/NDF:433409125522784
Right Out: -1473.393+/-0.000 χ²/NDF: 109909499733401078761067843300622336.0/18
Out: 504.832+/-0.000 χ²/NDF:443990637121424
Left In: -1467.992+/-0.000 χ²/NDF:14103182402594684800223045222 4.0/17
All: -0.307+/-0.000 χ²/NDF: 9974248353243

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.173+/-0.000 χ^2/NDF: 160010492173064584437589858058240.0/15

Left Out: 88.021+/-0.000 χ^2/NDF:3866907.8/18

Right Out: -90.169+/-0.000 χ^2/NDF: 164815404456112641329707295440896.0/18

Left In: -88.021+/-0.000 χ^2/NDF:4462453.6/17

Left: 0.594+/-0.000 χ^2/NDF: 241173187658568205

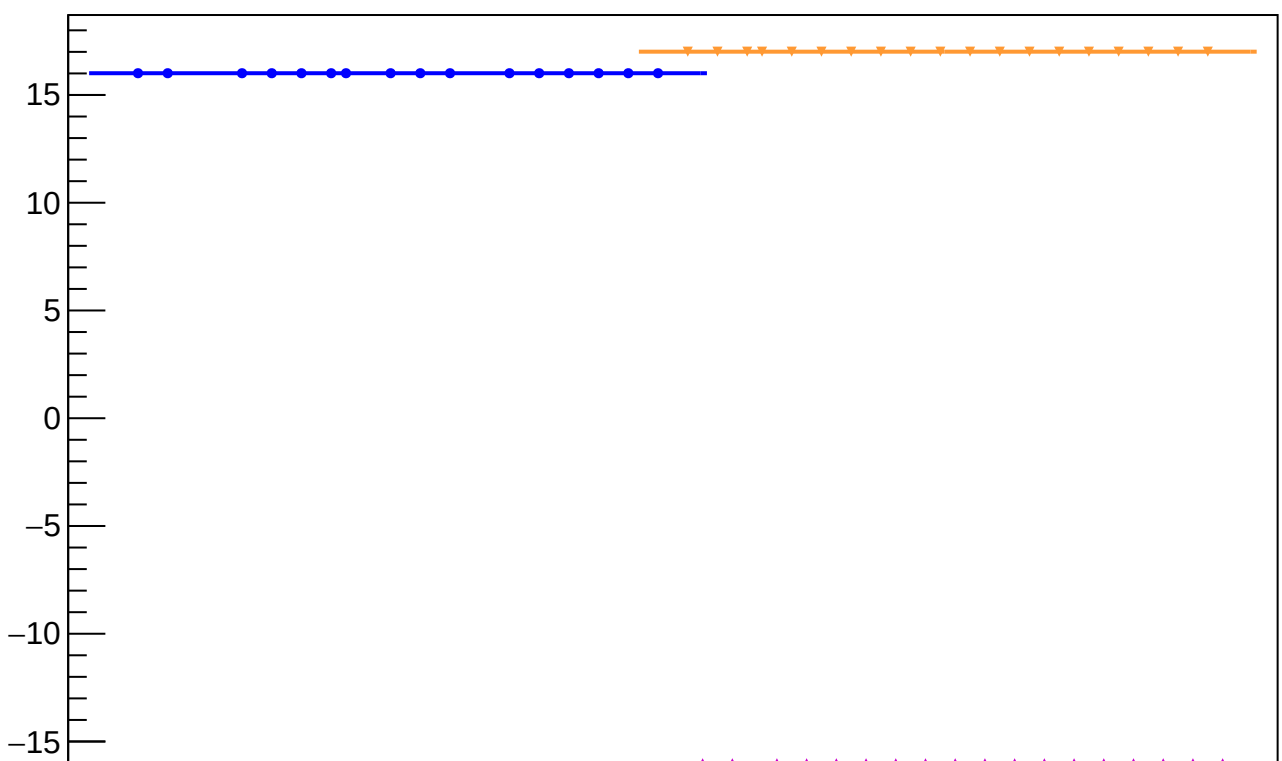
Right: -1.317+/-0.000 χ^2/NDF: 1222640469973926

In: -30.285+/-0.000 χ^2/NDF:1590557685243257

Out: 29.669+/-0.000 χ^2/NDF:16293220587805119

All: -0.029+/-0.000 χ^2/NDF: 3634742622193

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 44239.3/15

Left Out: 17.009+/-0.000 χ^2/NDF:2336772357728227059931545 6.0/18

Right Out: -17.009+/-0.000 χ^2/NDF: 1387898731303674326076620 8.0/18

Left In: -16.009+/-0.000 χ^2/NDF:1234077587872272466575 36.0/17

Left: 0.511+/-0.000 χ^2/NDF: 783329536410085808

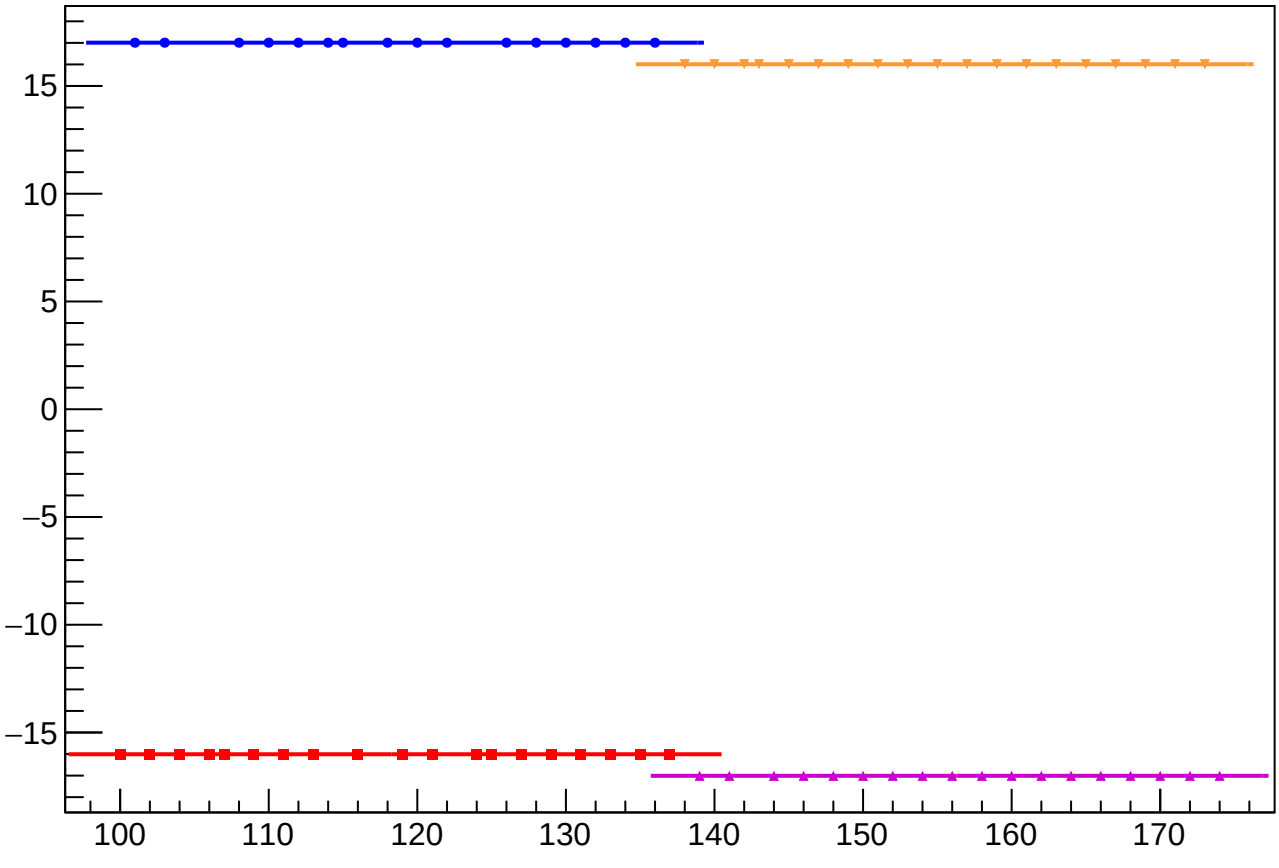
Right: -0.393+/-0.000 χ^2/NDF: 38020254772992161

In: -5.496+/-0.000 χ^2/NDF:483384297623160471

Out: 5.946+/-0.000 χ^2/NDF:541177720252079680

All: 0.216+/-0.000 χ^2/NDF: 1164301051923

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 126634.3/15

Left Out: 16.009+/-0.000 χ^2/NDF:72865.5/18

Right Out: -16.009+/-0.000 χ^2/NDF: 39518.8/18

Left In: -17.009+/-0.000 χ^2/NDF:1097858532935231455887360/17

Left: -0.289+/-0.000 χ^2/NDF: 83307856251881998

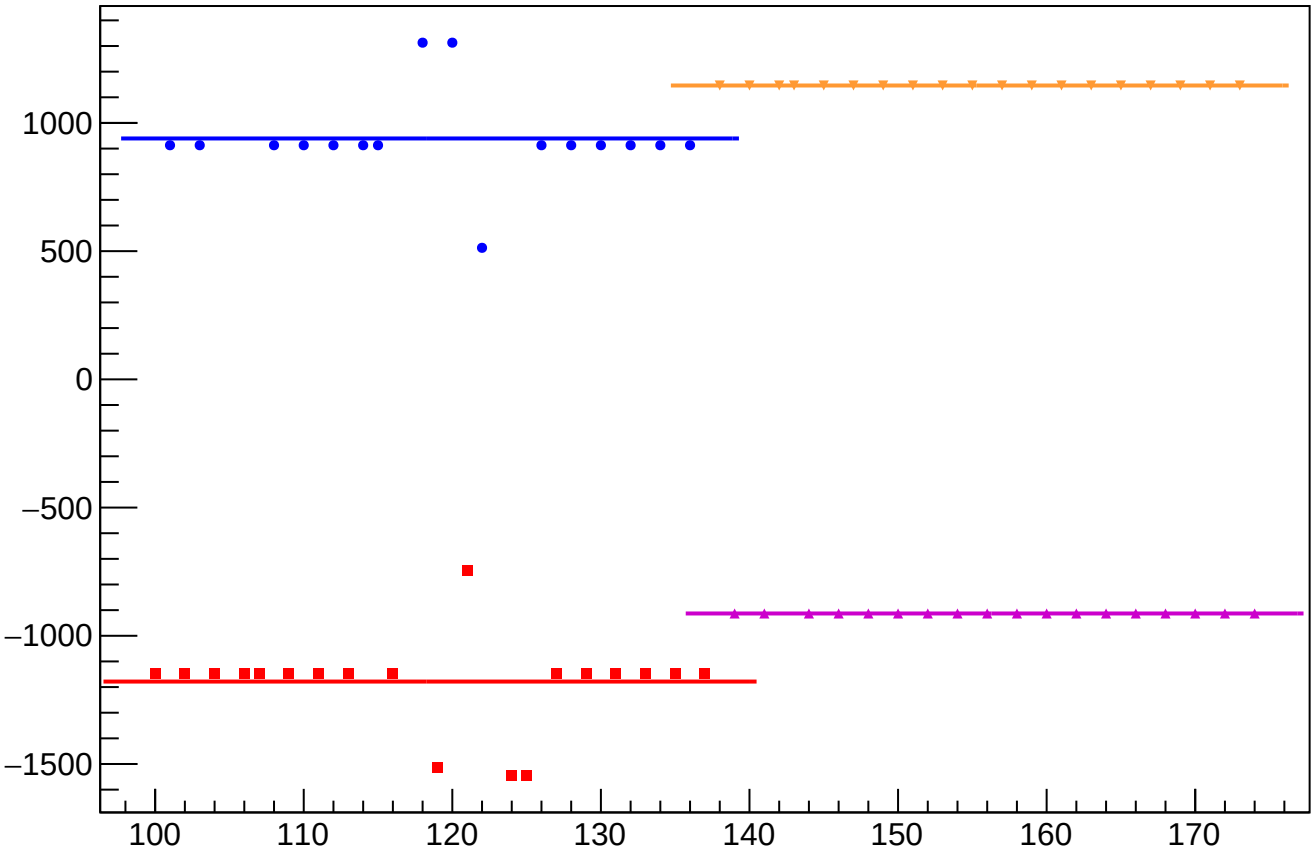
Right: -0.086+/-0.000 χ^2/NDF: 39906944354741345

In: -6.156+/-0.000 χ^2/NDF:557154378643464845

Out: 5.475+/-0.000 χ^2/NDF:522124273715662275

All: -0.223+/-0.000 χ^2/NDF: 1232189152034

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 123.453+/-0.000 χ^2/NDF: 3299245322155260

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:5401342514181686087842267136.0/18

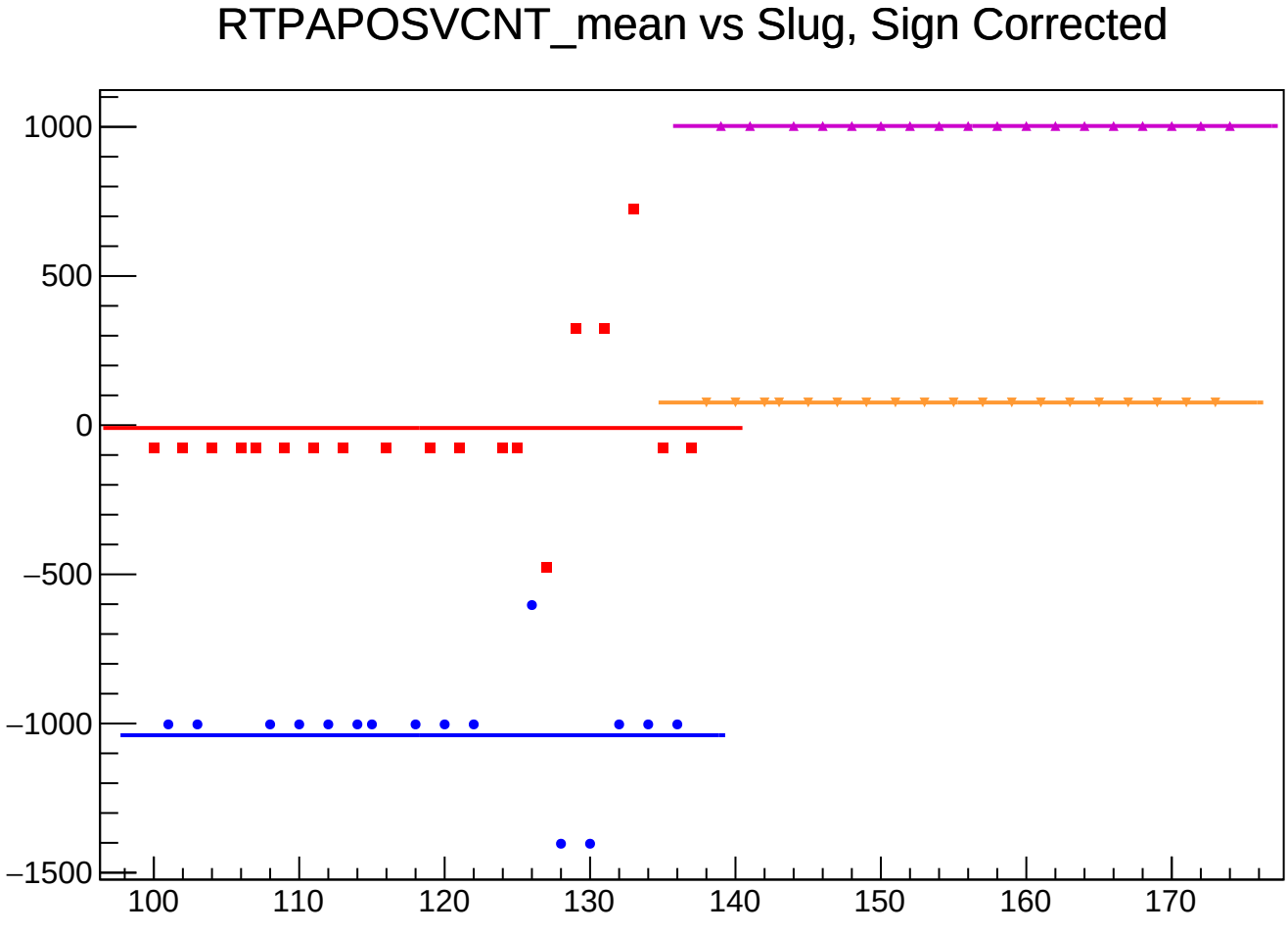
In: -312.794+/-0.000 χ^2/NDF:1739981598697133

Right Out: -1178.513+/-0.000 χ^2/NDF: 22140259958123277565481106114837741568.0/18

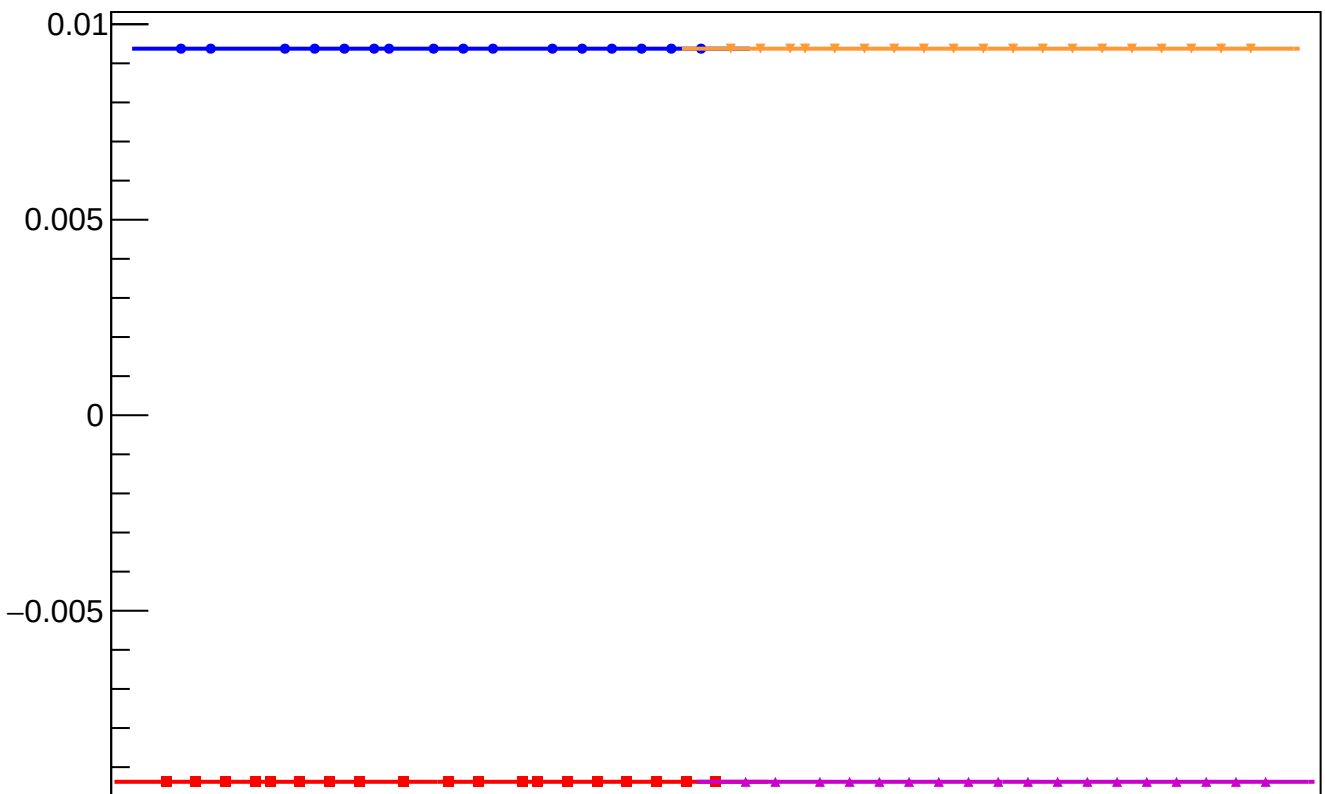
Out: 384.804+/-0.000 χ^2/NDF:2794858768741731

Left In: -912.995+/-0.000 χ^2/NDF:219042541061425749537115340800.0/17

All: 39.254+/-0.000 χ^2/NDF: 5096500242219


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
110
120
130
140
150
160
170
Left: 536.374+/-0.000 χ²/NDF: 6687111661865955
Right In: -1039.157+/-0.000 χ²/NDF: 228703773085071640027081015550845911104.0/15
Right: -516.762+/-0.000 χ²/NDF: 46752928412988
Left Out: 76.011+/-0.000 χ²/NDF:9980564280316573320438874112.0/18
In: 341.324+/-0.000 χ²/NDF:2111854835827073
Right Out: -9.430+/-0.000 χ²/NDF: 460573947349287664748937365260515409920.0/18
Out: 48.032+/-0.000 χ²/NDF:49803421026050847
Left In: 1002.990+/-0.000 χ²/NDF:247699597180181522376189542 4.0/17
All: 193.312+/-0.000 χ²/NDF: 226093810481

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 273591064688402564

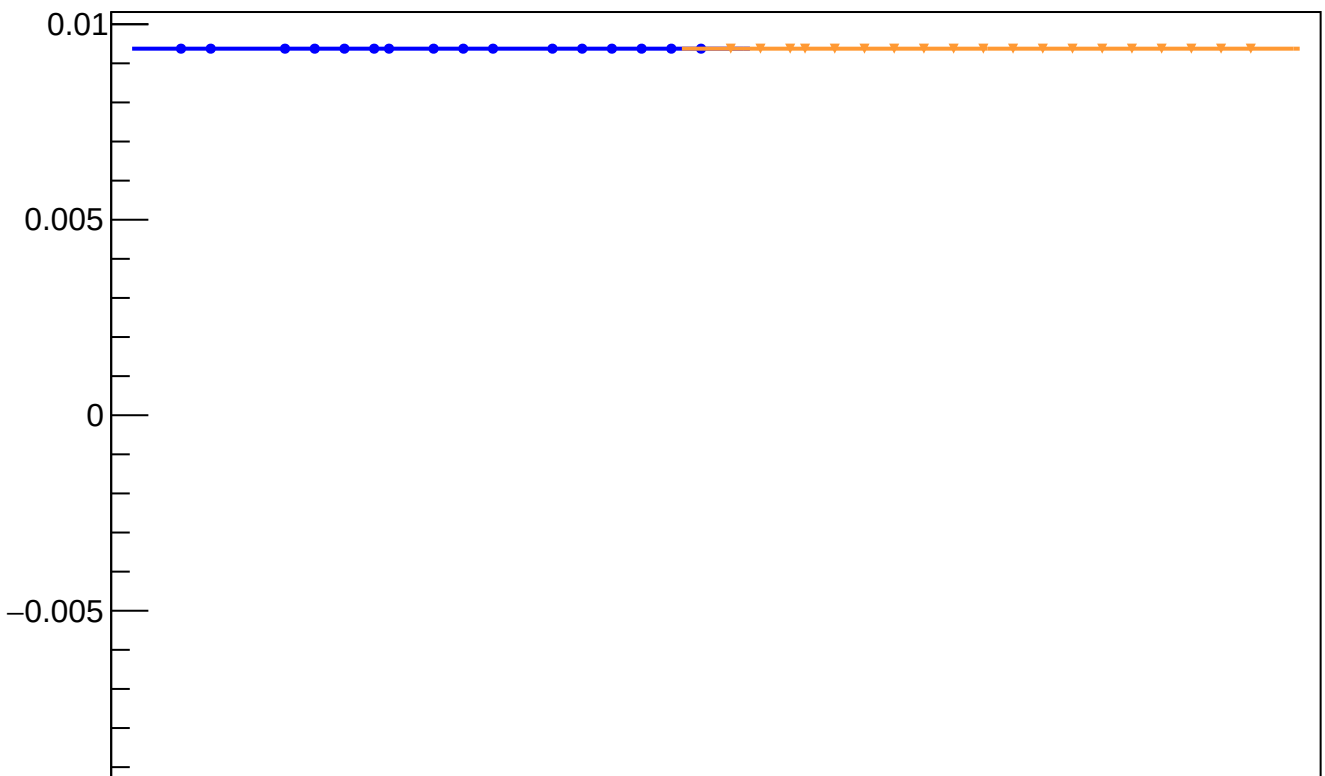
Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:18040150549892668

All: -0.000+/-0.000 χ^2/NDF: 4057909965886

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.1/15

Left Out: 0.009+/-0.000 χ^2/NDF:0.0/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/18

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 273591064688402564

Right: -0.000+/-0.000 χ^2/NDF: 1321592160488695

In: -0.003+/-0.000 χ^2/NDF:176101914352863592

Out: 0.003+/-0.000 χ^2/NDF:18040150549892668

All: -0.000+/-0.000 χ^2/NDF: 4057909965886